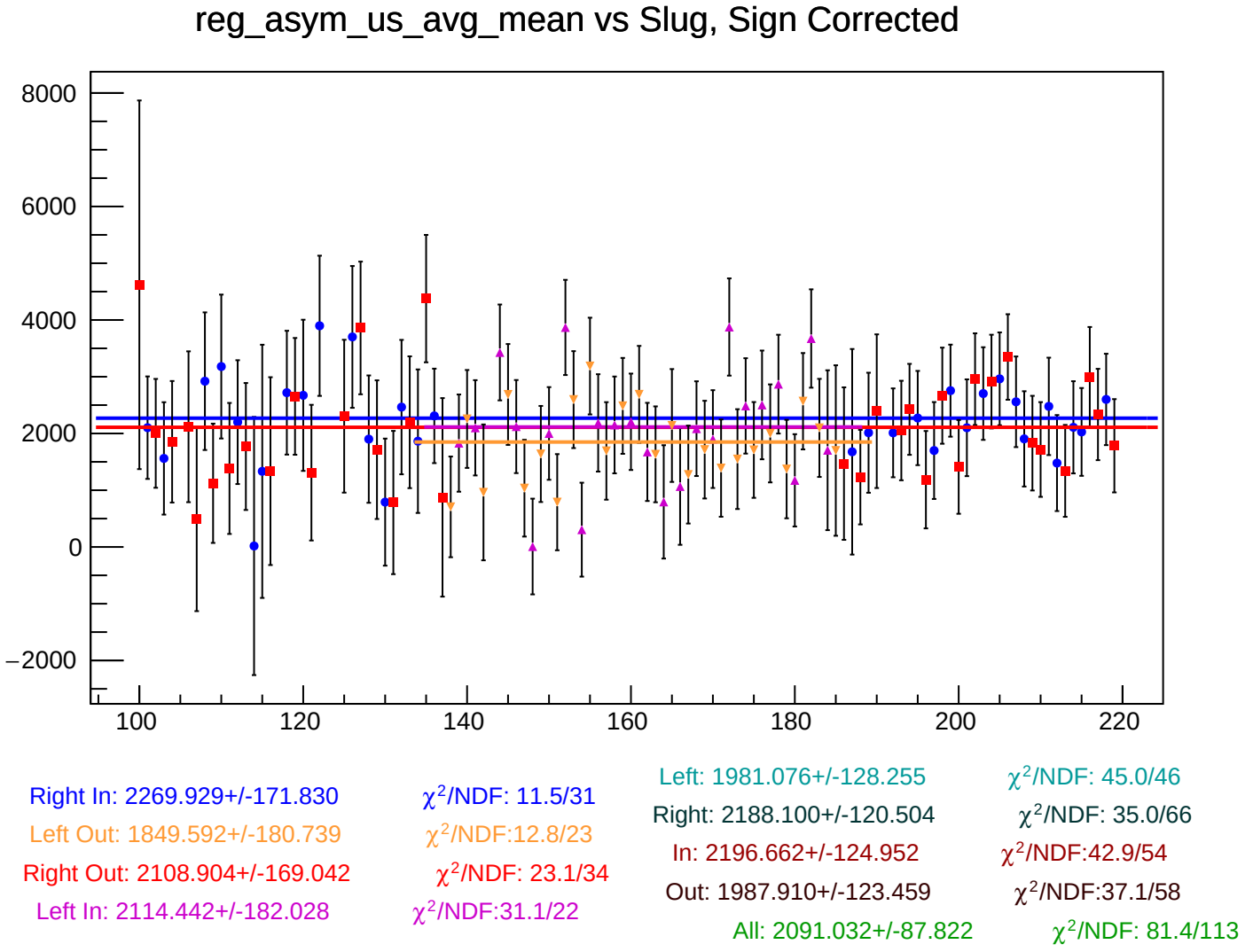
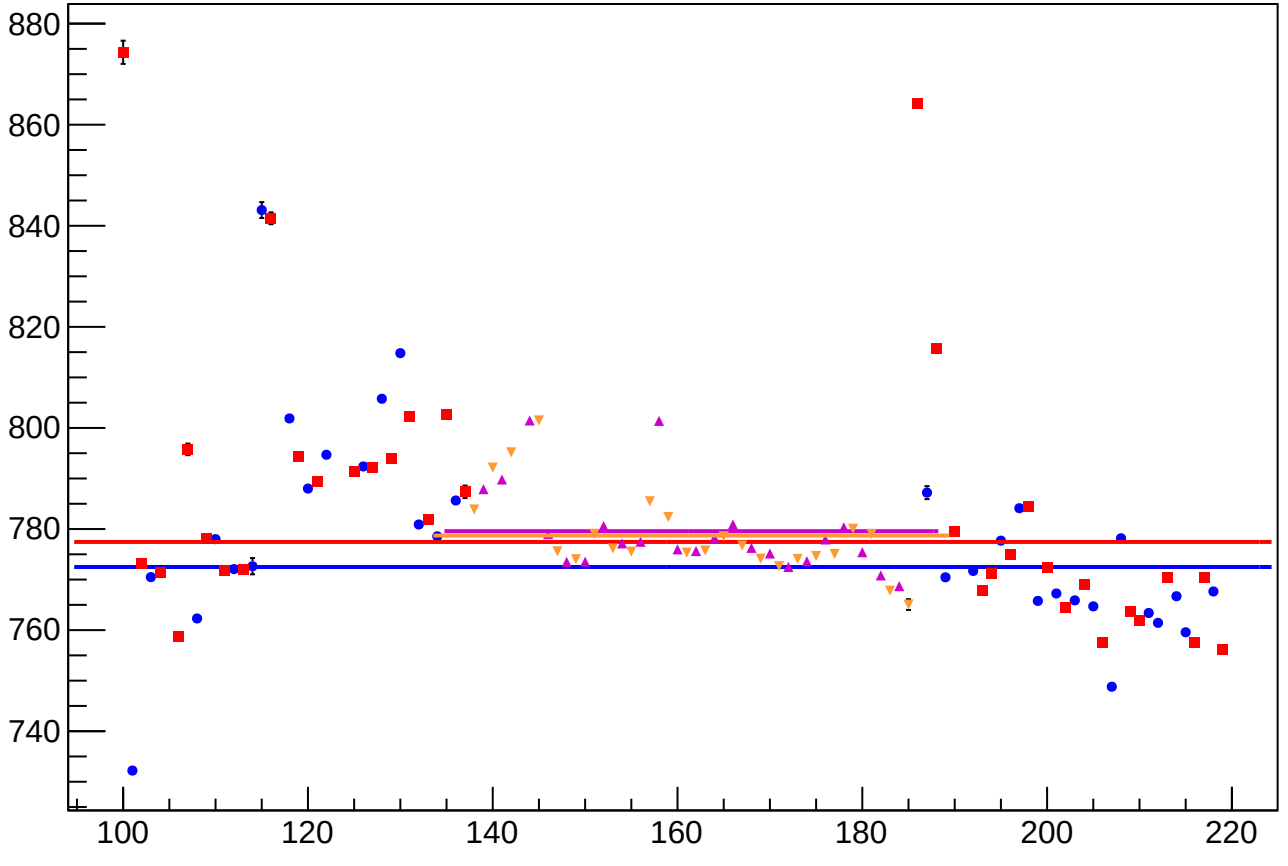

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 2269.929+/-171.830
χ²/NDF: 11.5/31
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 2108.904+/-169.042
χ²/NDF: 23.1/34
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2188.100+/-120.504
χ²/NDF: 35.0/66
In: 2196.662+/-124.952
χ²/NDF:42.9/54
Out: 1987.910+/-123.459
χ²/NDF:37.1/58
All: 2091.032+/-87.822
χ²/NDF: 81.4/113

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 772.487+/-0.122 χ^2/NDF: 18574.7/31

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

Right Out: 777.447+/-0.120 χ^2/NDF: 28321.2/34

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

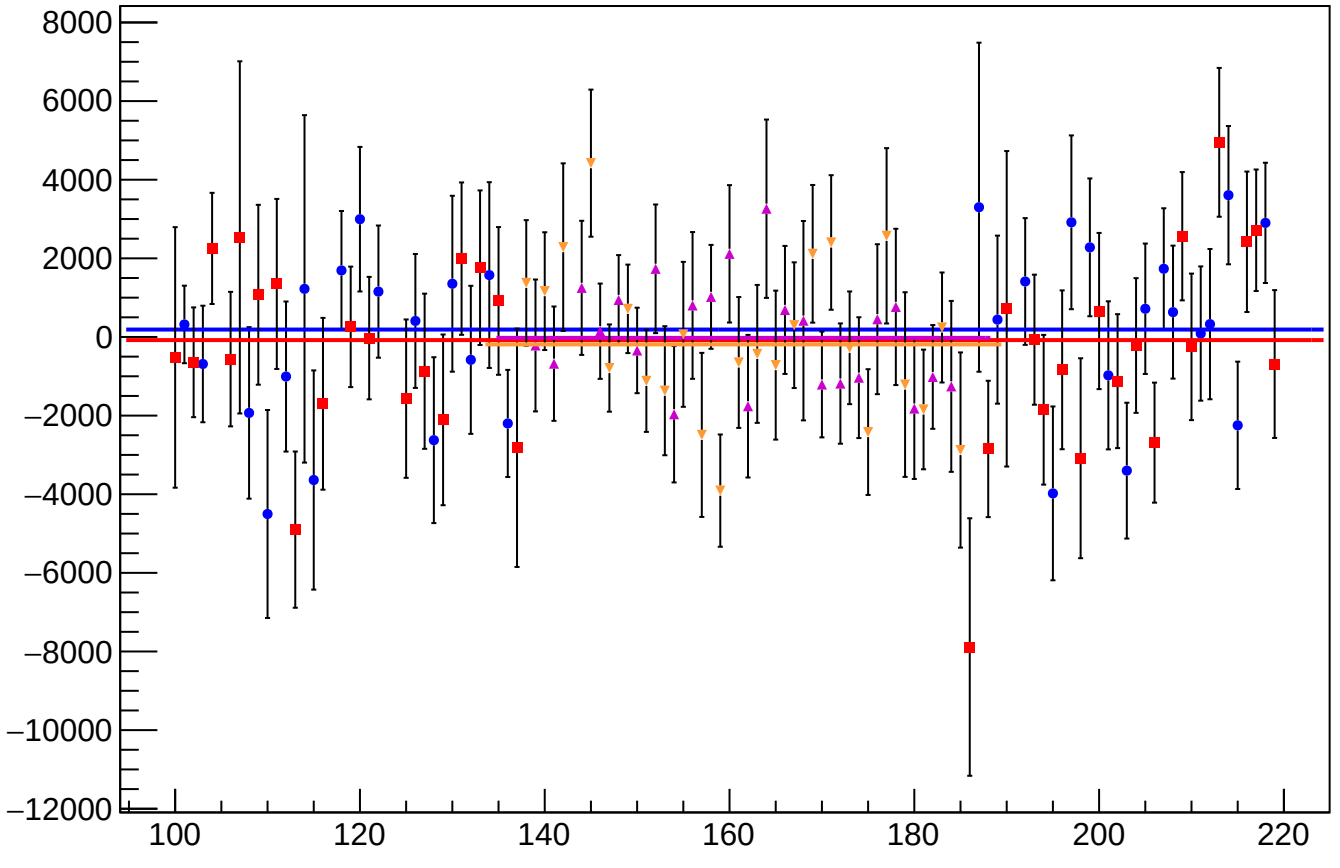
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 775.007+/-0.085 χ^2/NDF: 47742.7/66

In: 775.827+/-0.088 χ^2/NDF:24351.1/54

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

All: 776.944+/-0.062 χ^2/NDF: 56430.2/113



Right In: 188.799+/-315.534 χ^2/NDF: 38.8/31

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

Right Out: -79.537+/-321.260 χ^2/NDF: 44.3/34

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

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

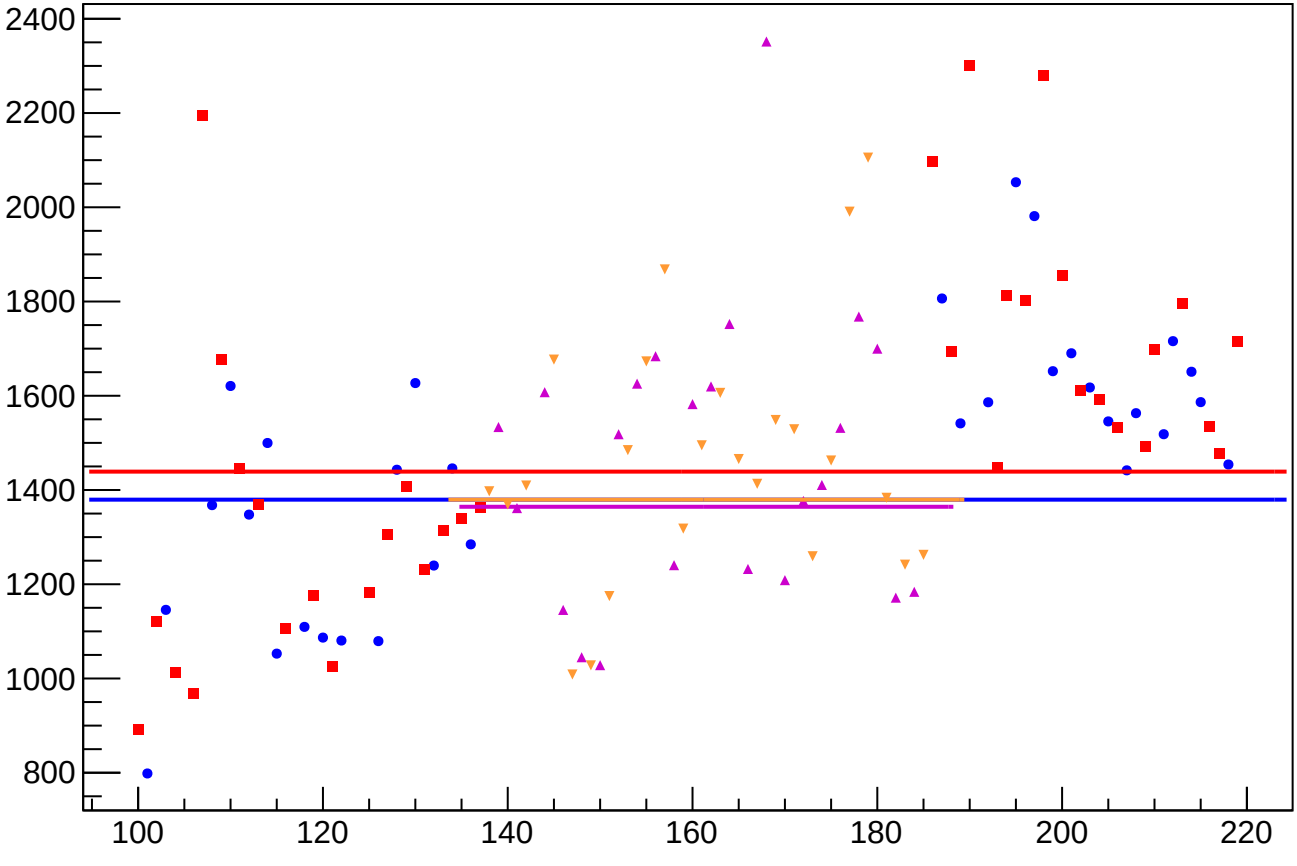
Right: 57.044+/-225.113 χ^2/NDF: 83.5/66

In: 85.929+/-226.662 χ^2/NDF:52.5/54

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

All: -22.315+/-161.233 χ^2/NDF: 126.9/113

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1379.508+/-0.223 χ^2/NDF: 1826086.1/31

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

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

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

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

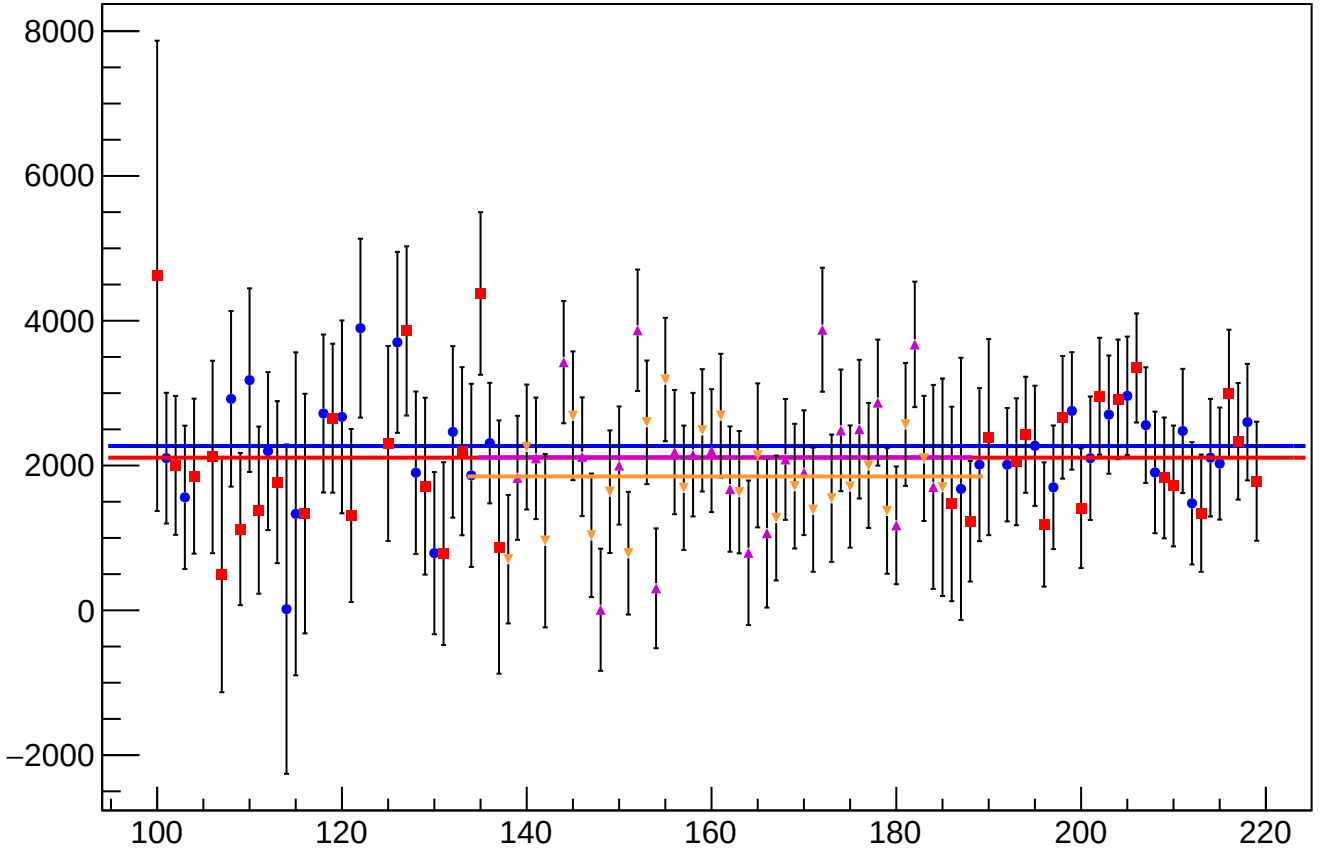
Right: 1408.723+/-0.159 χ^2/NDF: 3631381.6/66

In: 1372.202+/-0.160 χ^2/NDF:3140601.4/54

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

All: 1390.805+/-0.114 χ^2/NDF: 6130311.1/11

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2269.929+/-171.830 χ^2/NDF: 11.5/31

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

Right Out: 2108.904+/-169.042 χ^2/NDF: 23.1/34

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

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

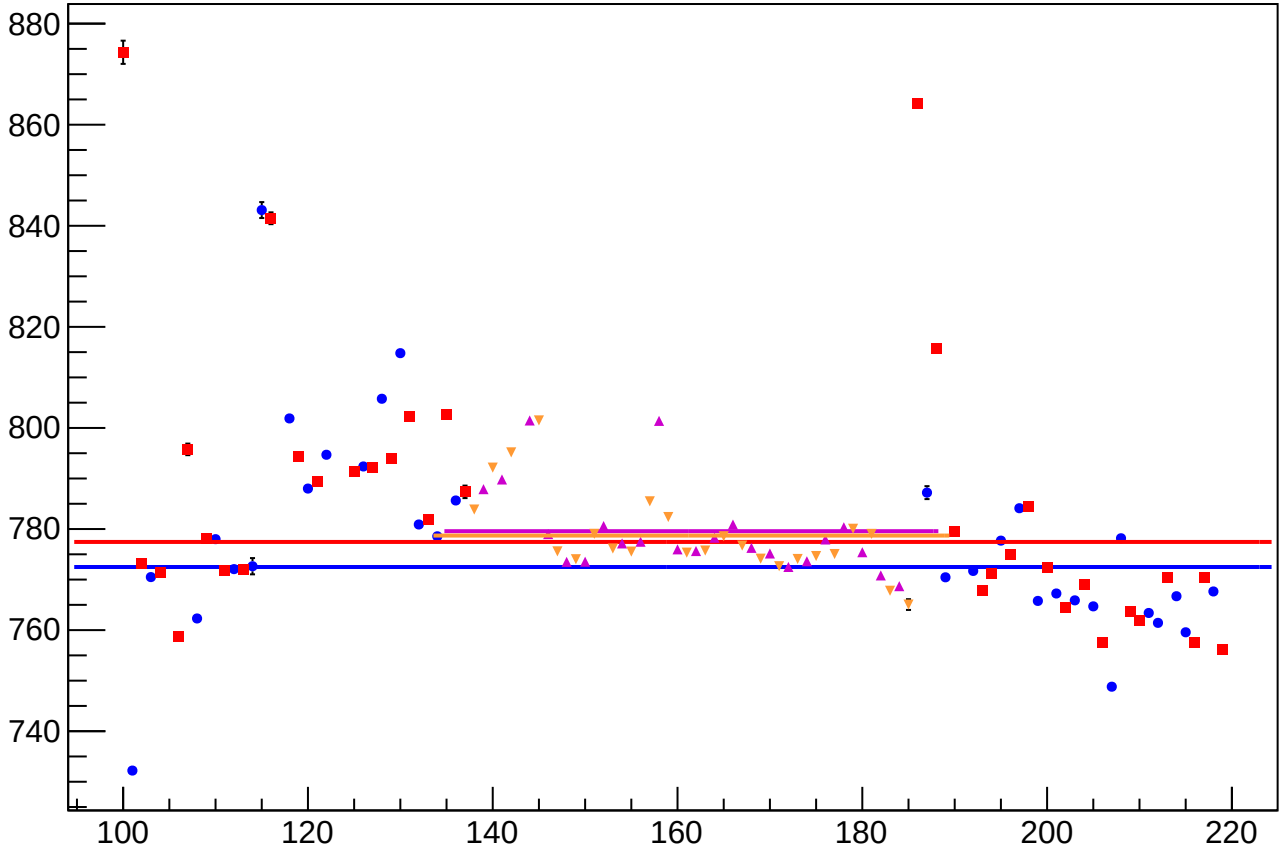
Right: 2188.100+/-120.504 χ^2/NDF: 35.0/66

In: 2196.662+/-124.952 χ^2/NDF:42.9/54

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

All: 2091.032+/-87.822 χ^2/NDF: 81.4/113

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 772.487+/-0.122 χ^2/NDF: 18574.7/31

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

Right Out: 777.447+/-0.120 χ^2/NDF: 28321.2/34

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

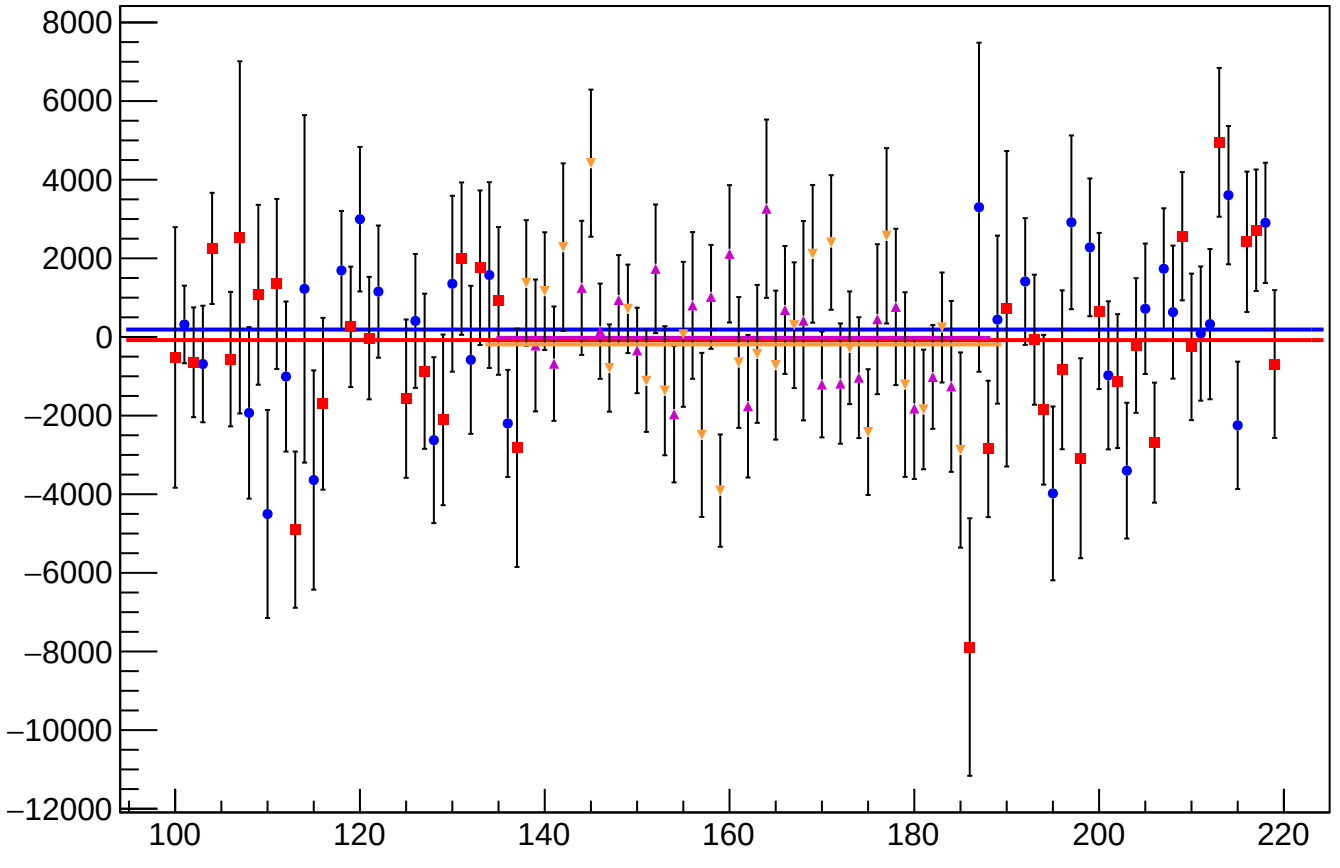
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 775.007+/-0.085 χ^2/NDF: 47742.7/66

In: 775.827+/-0.088 χ^2/NDF:24351.1/54

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

All: 776.944+/-0.062 χ^2/NDF: 56430.2/113



Right In: 188.799+/-315.534 χ^2/NDF: 38.8/31

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

Right Out: -79.537+/-321.260 χ^2/NDF: 44.3/34

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

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

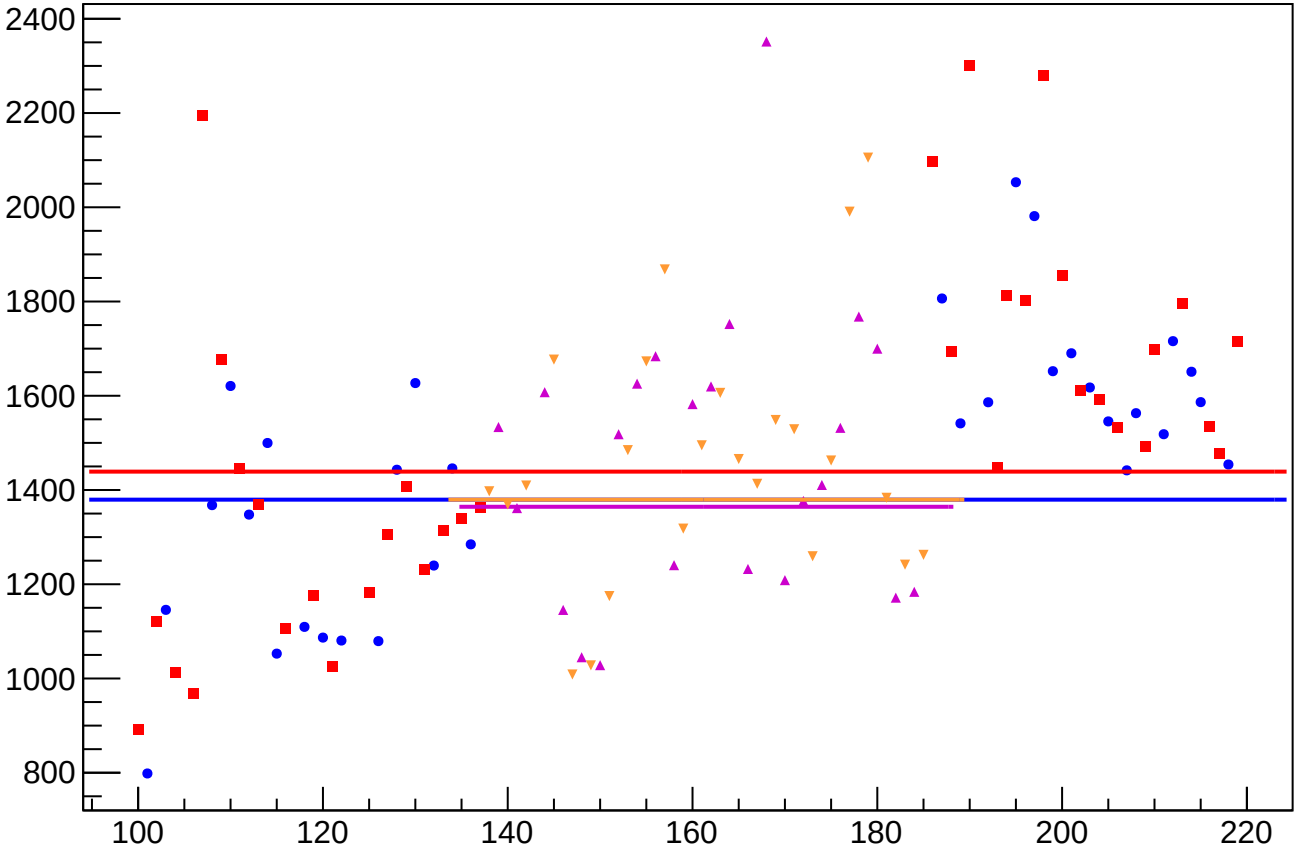
Right: 57.044+/-225.113 χ^2/NDF: 83.5/66

In: 85.929+/-226.662 χ^2/NDF:52.5/54

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

All: -22.315+/-161.233 χ^2/NDF: 126.9/113

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1379.508+/-0.223 χ^2/NDF: 1826086.1/31

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

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

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

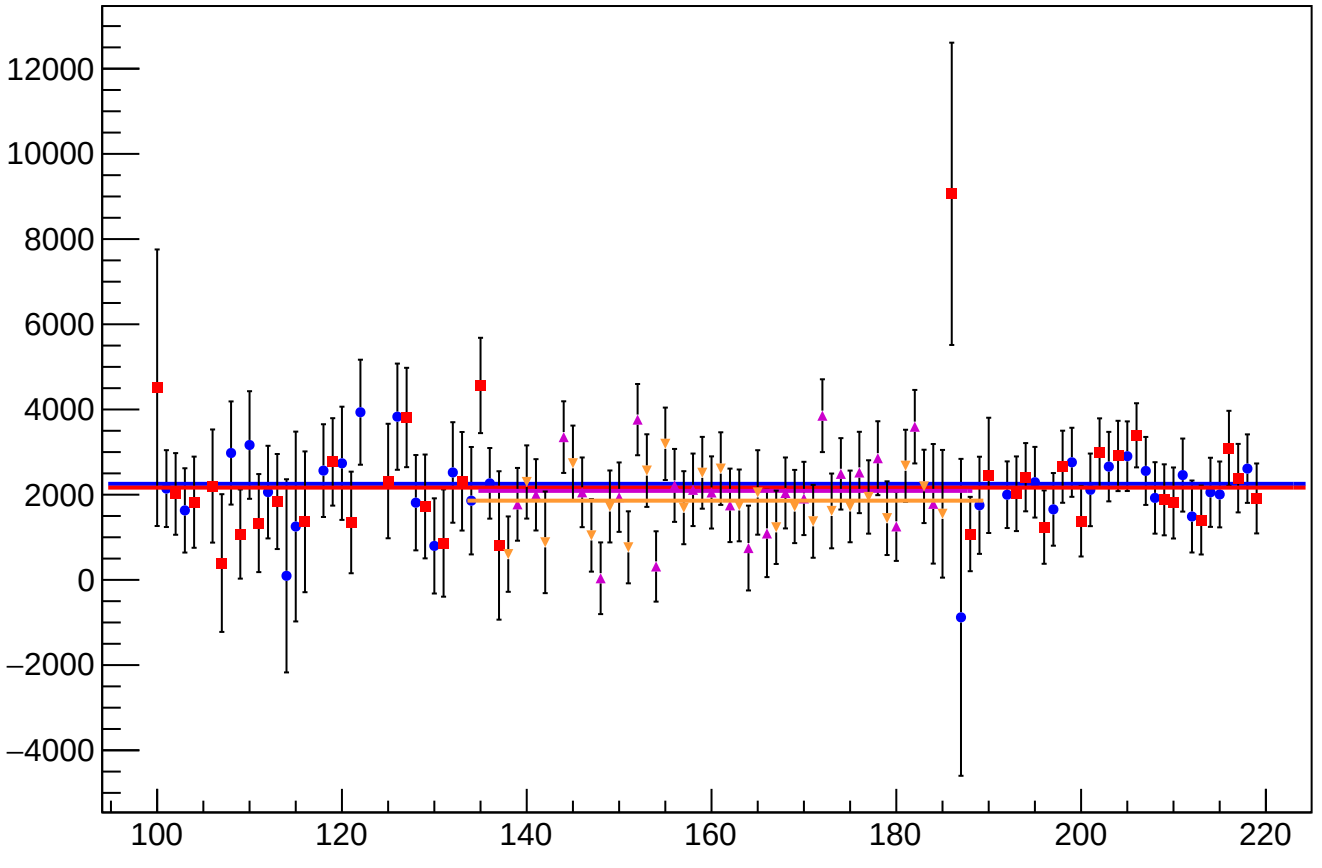
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1408.723+/-0.159 χ^2/NDF: 3631381.6/66

In: 1372.202+/-0.160 χ^2/NDF:3140601.4/54

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

All: 1390.805+/-0.114 χ^2/NDF: 6130311.1/11



Right In: 2254.494+/-172.490 χ^2/NDF: 12.5/31

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

Right Out: 2165.929+/-170.304 χ^2/NDF: 27.9/34

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

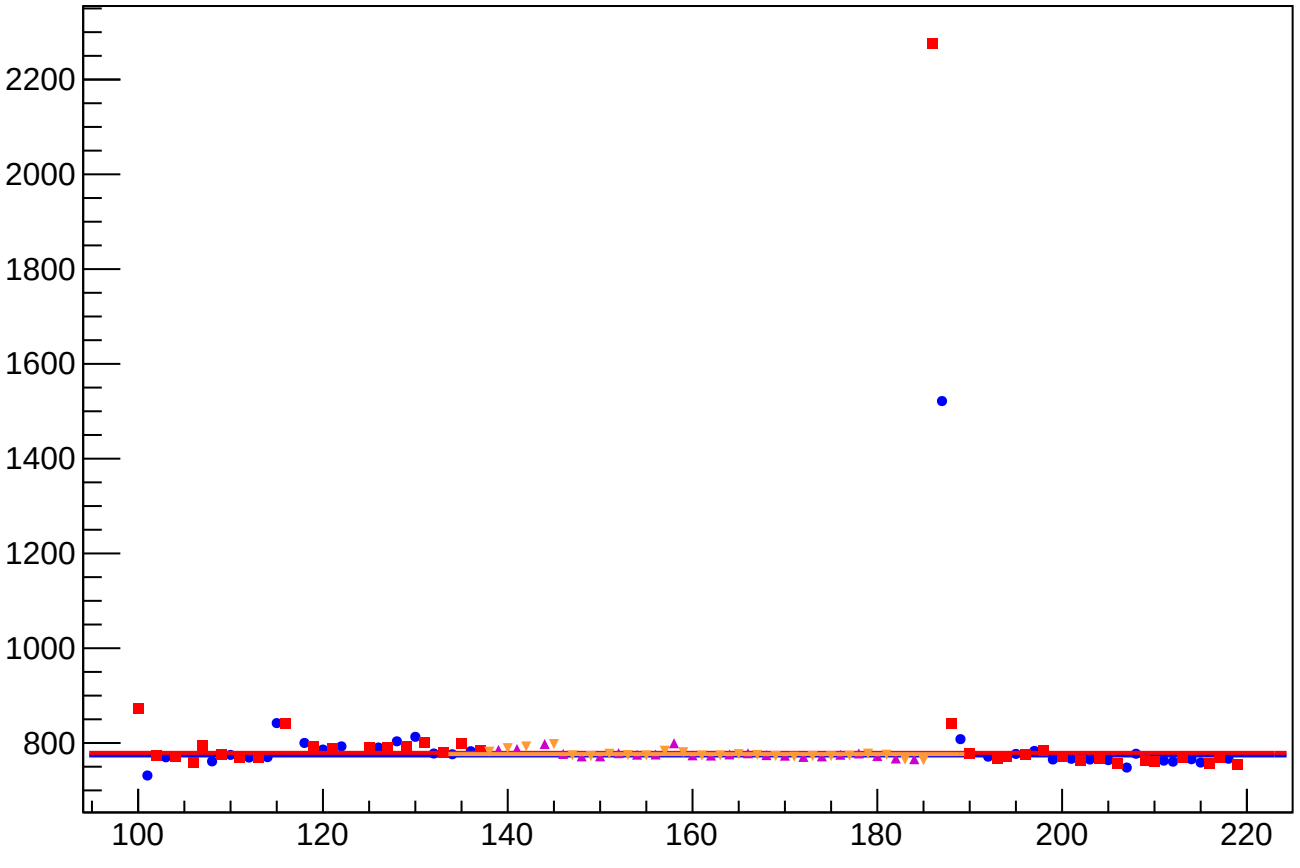
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2209.647+/-121.189 χ^2/NDF: 40.5/66

In: 2176.200+/-125.040 χ^2/NDF:42.5/54

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

All: 2098.018+/-87.969 χ^2/NDF: 86.2/113



Right In: 773.705+/-0.122 χ^2/NDF: 100721.2/31

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

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

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

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

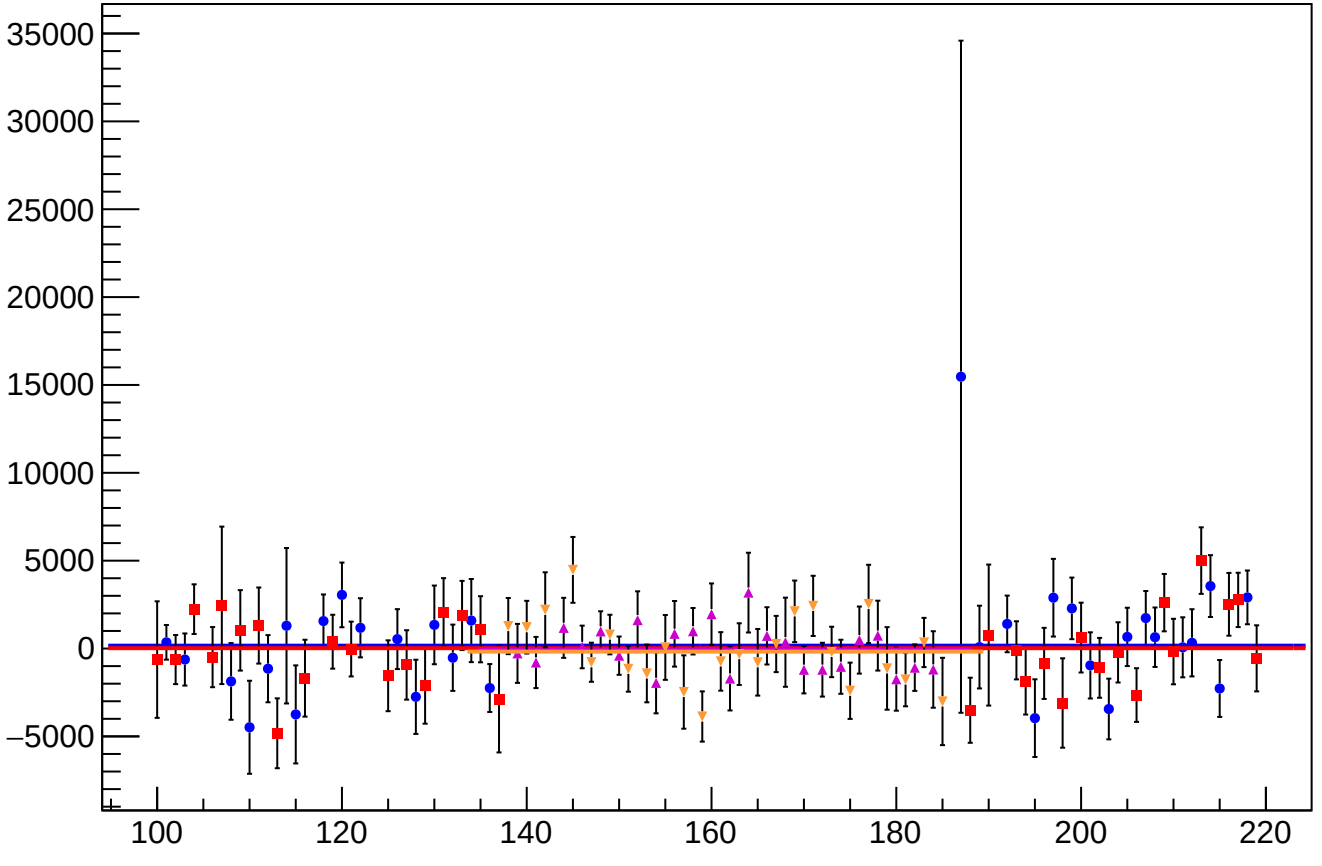
Right: 776.540+/-0.086 χ^2/NDF: 484574.5/66

In: 775.464+/-0.088 χ^2/NDF:105221.8/54

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

All: 776.741+/-0.062 χ^2/NDF: 491809.6/113

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: 162.742+/-317.201 χ^2/NDF: 39.1/31

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

Right Out: 20.396+/-323.695 χ^2/NDF: 39.9/33

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

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

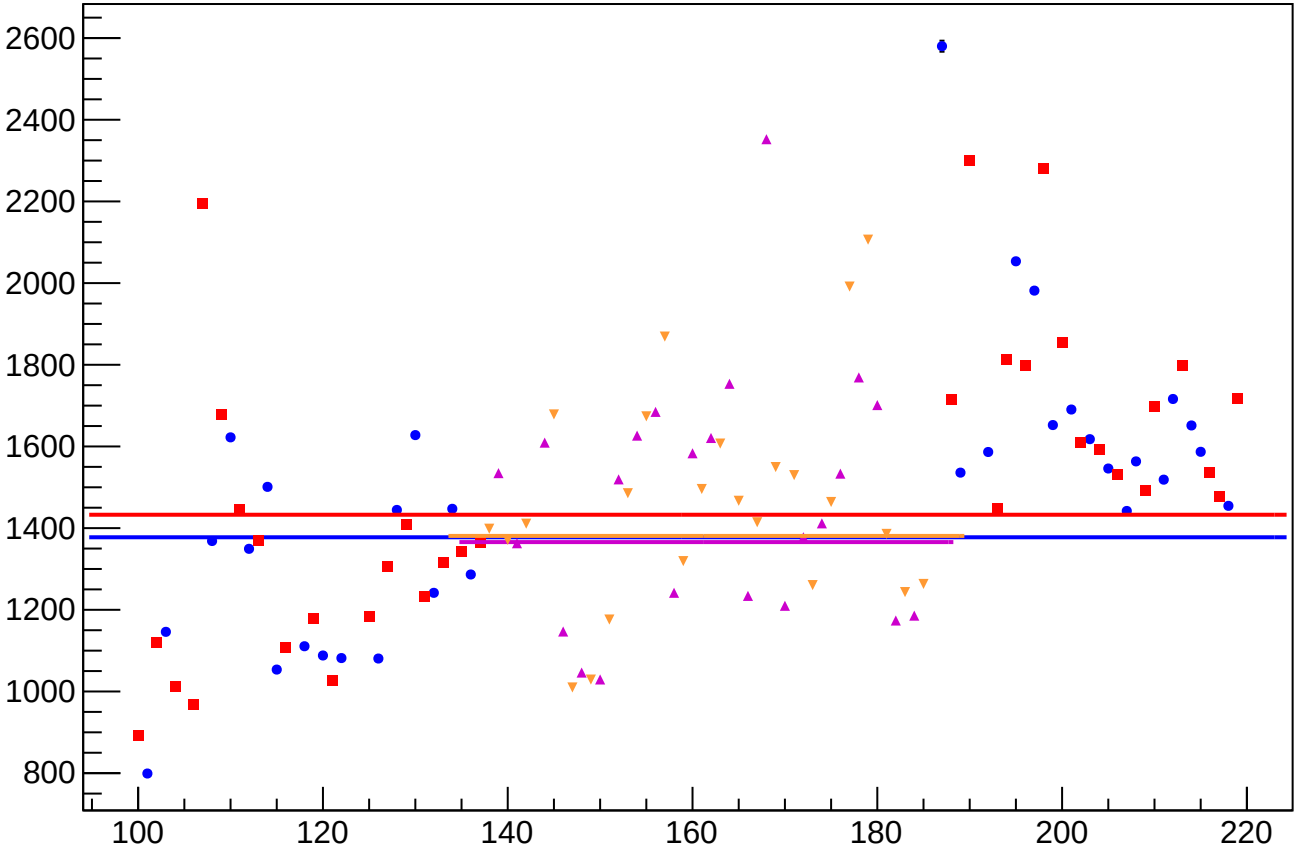
Right: 93.011+/-226.556 χ^2/NDF: 79.1/65

In: 57.950+/-227.384 χ^2/NDF:52.3/54

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

All: -8.135+/-161.837 χ^2/NDF: 122.2/112

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1377.623+/-0.224 χ^2/NDF: 1805210.4/31

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

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

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

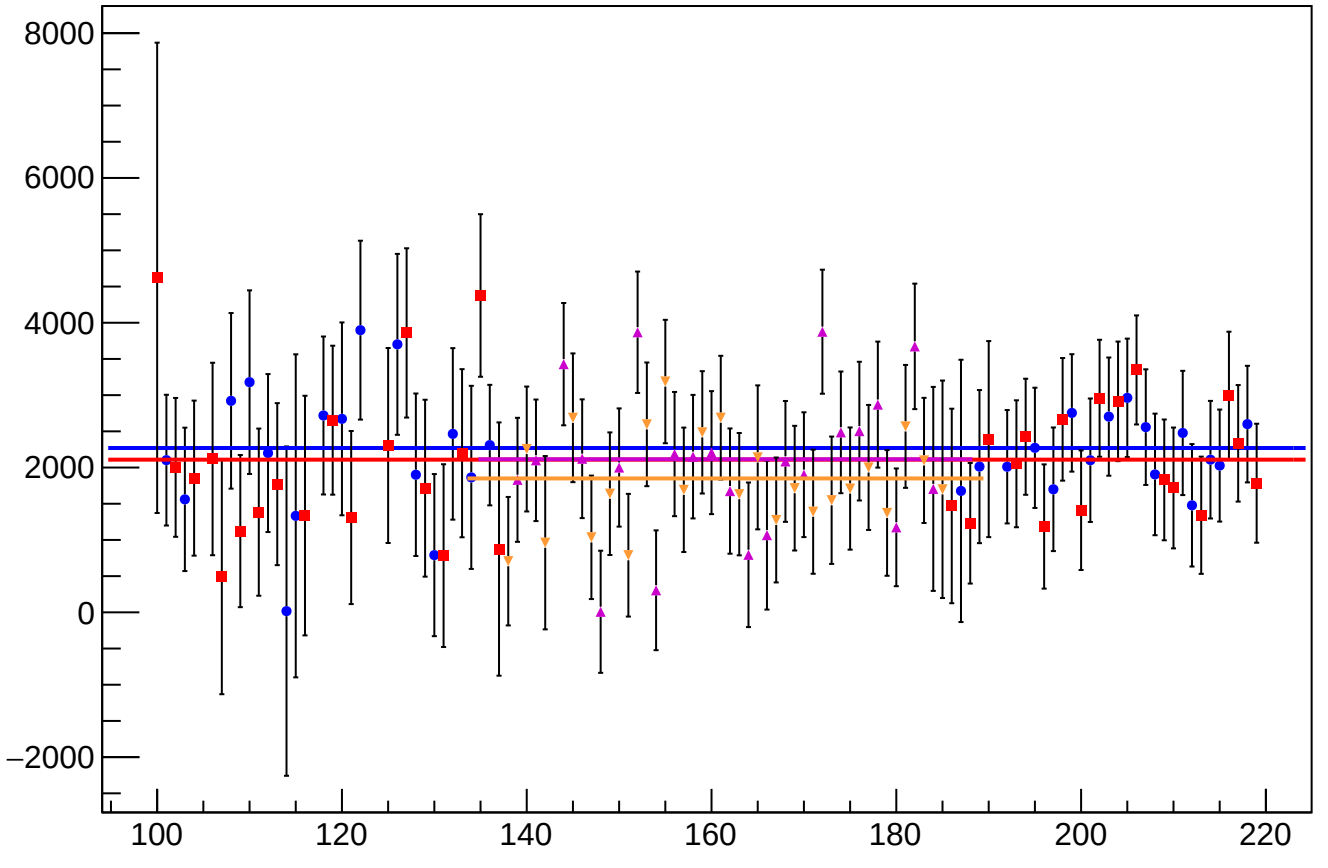
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1404.649+/-0.160 χ^2/NDF: 3517854.9/65

In: 1371.881+/-0.161 χ^2/NDF:3115421.1/54

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

All: 1389.316+/-0.114 χ^2/NDF: 6003005.6/11



Right In: 2269.929+/-171.830 χ^2/NDF: 11.5/31

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

Right Out: 2108.904+/-169.042 χ^2/NDF: 23.1/34

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

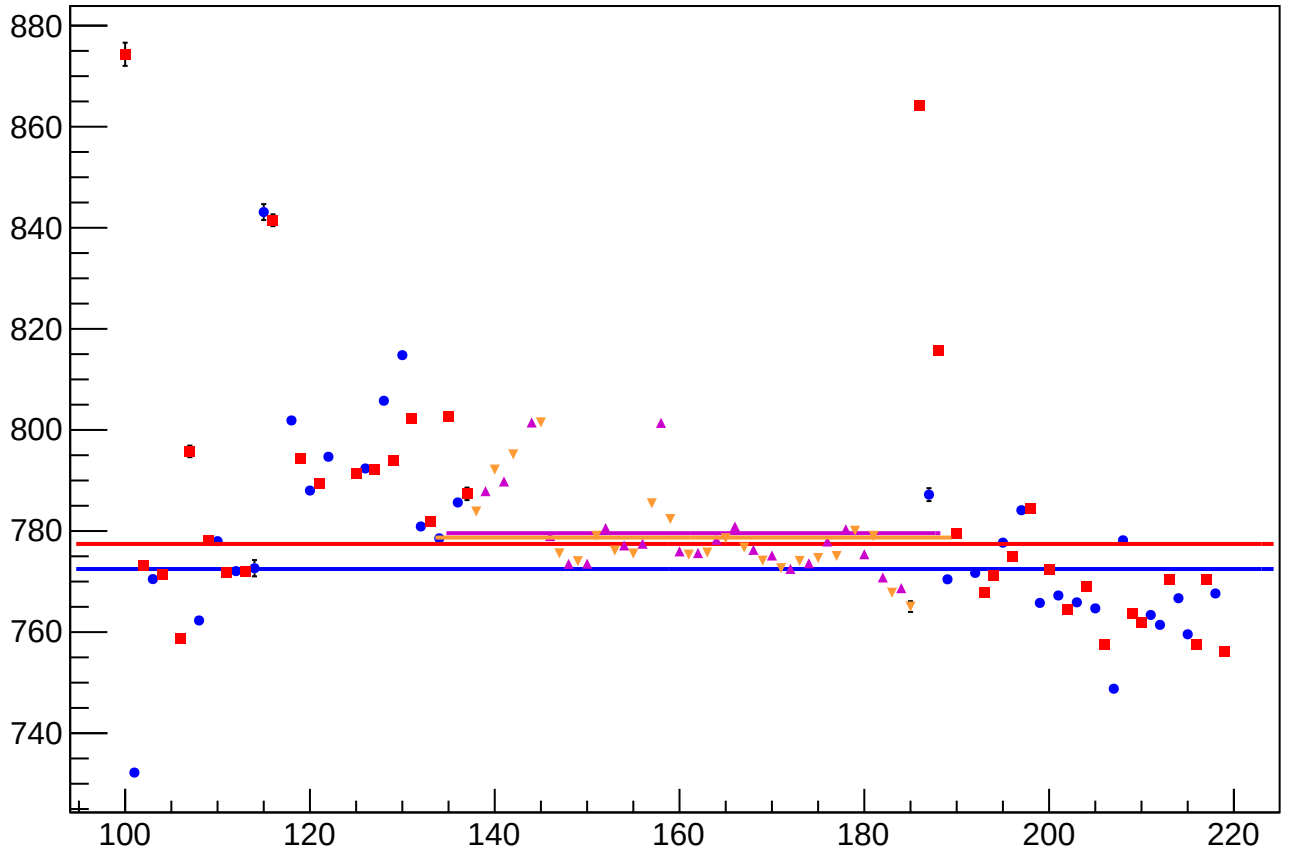
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2188.100+/-120.504 χ^2/NDF: 35.0/66

In: 2196.662+/-124.952 χ^2/NDF:42.9/54

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

All: 2091.032+/-87.822 χ^2/NDF: 81.4/113



Right In: 772.487+/-0.122 χ^2/NDF: 18574.7/31

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

Right Out: 777.447+/-0.120 χ^2/NDF: 28321.2/34

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

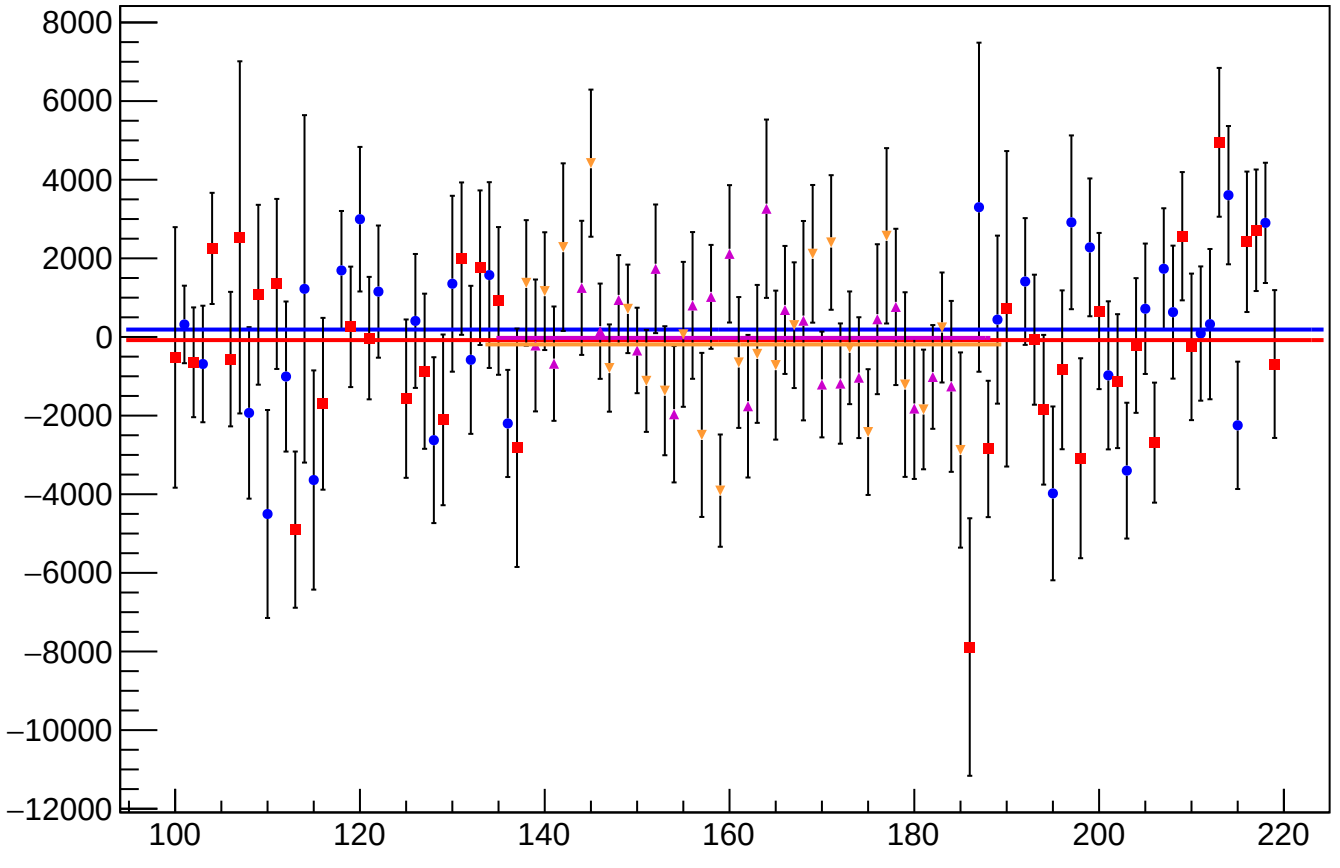
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 775.007+/-0.085 χ^2/NDF: 47742.7/66

In: 775.827+/-0.088 χ^2/NDF:24351.1/54

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

All: 776.944+/-0.062 χ^2/NDF: 56430.2/113



Right In: 188.799+/-315.534 χ^2/NDF: 38.8/31

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

Right Out: -79.537+/-321.260 χ^2/NDF: 44.3/34

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

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

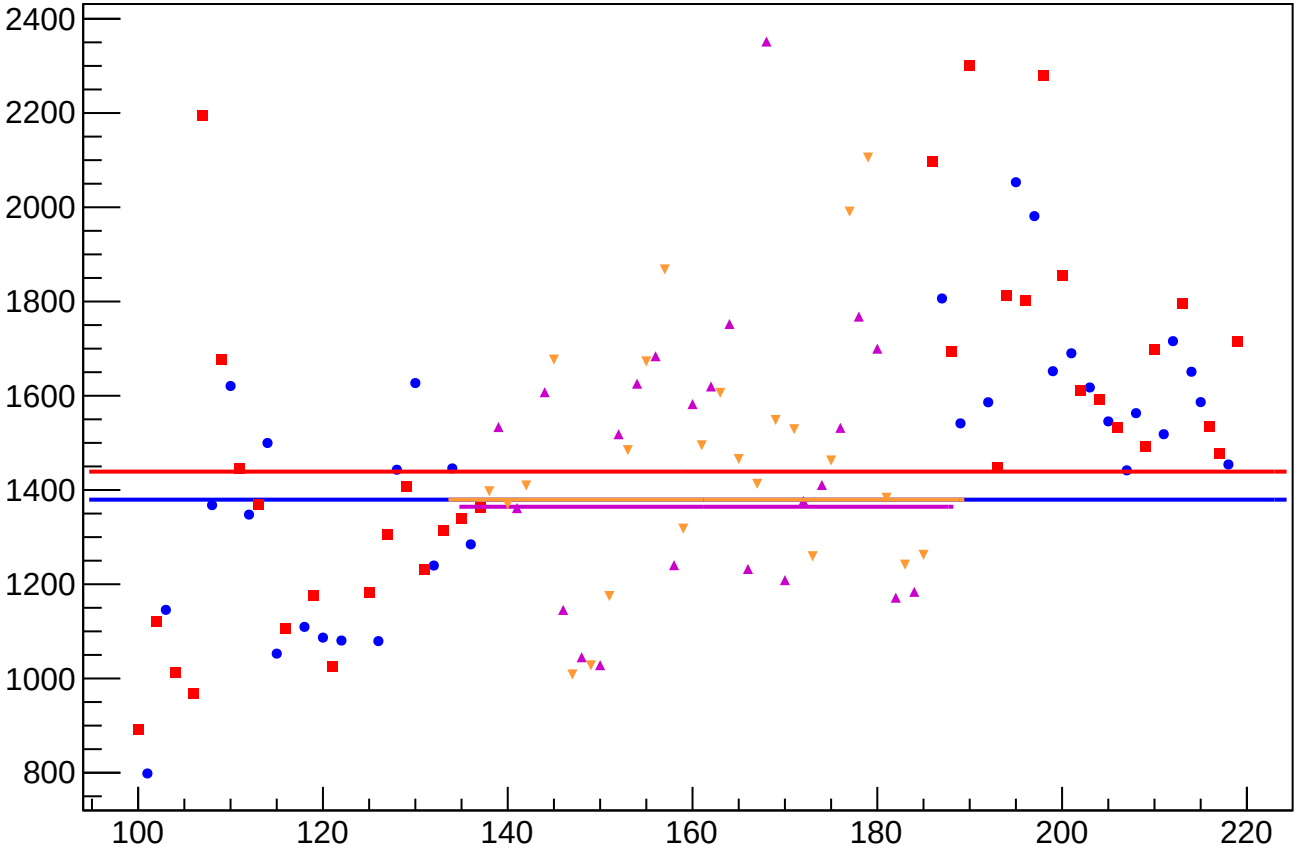
Right: 57.044+/-225.113 χ^2/NDF: 83.5/66

In: 85.929+/-226.662 χ^2/NDF:52.5/54

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

All: -22.315+/-161.233 χ^2/NDF: 126.9/113

asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1379.508+/-0.223 χ^2/NDF: 1826086.1/31

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

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

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

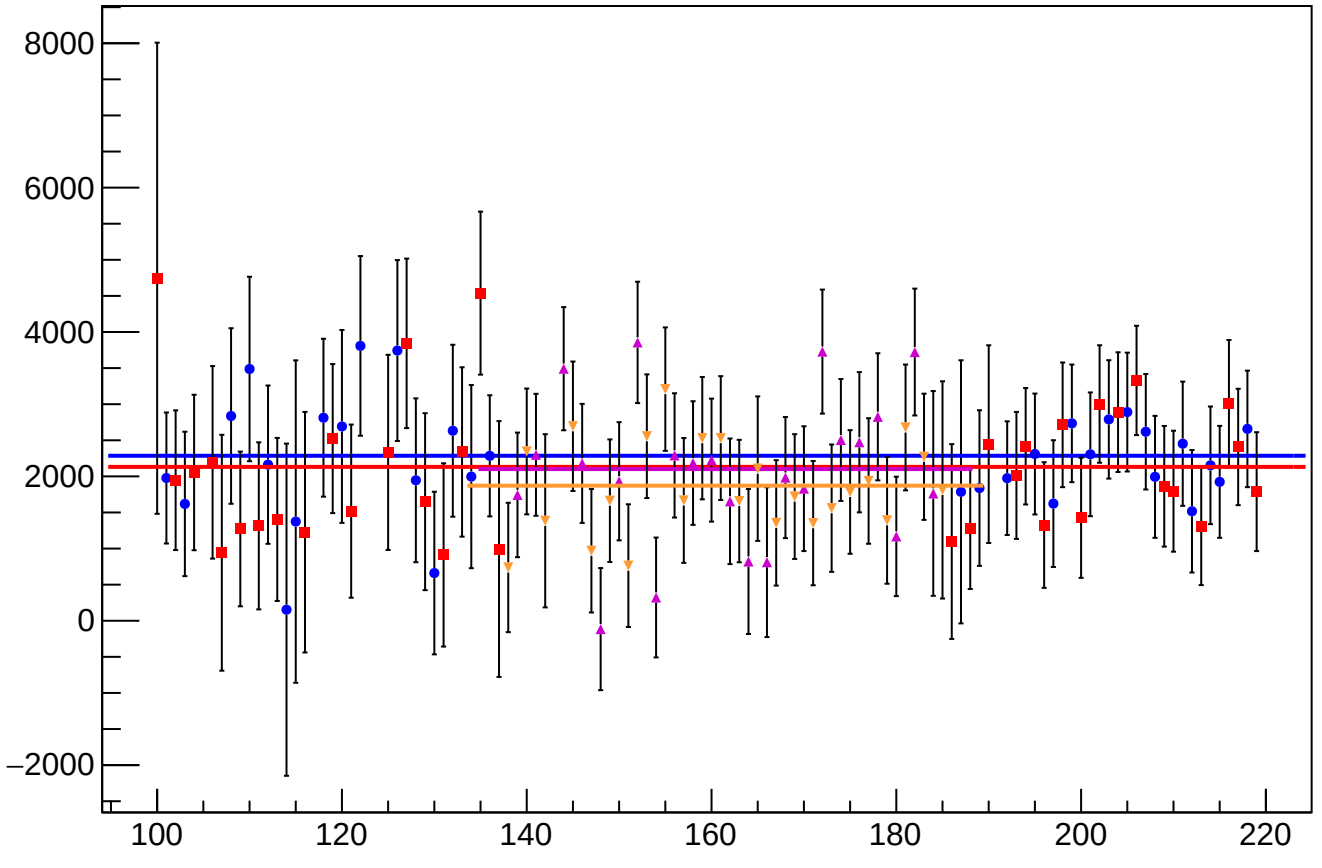
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1408.723+/-0.159 χ^2/NDF: 3631381.6/66

In: 1372.202+/-0.160 χ^2/NDF:3140601.4/54

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

All: 1390.805+/-0.114 χ^2/NDF: 6130311.1/11



Right In: 2285.672+/-172.887 χ^2/NDF: 12.0/31

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

Right Out: 2131.516+/-170.055 χ^2/NDF: 22.6/34

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

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

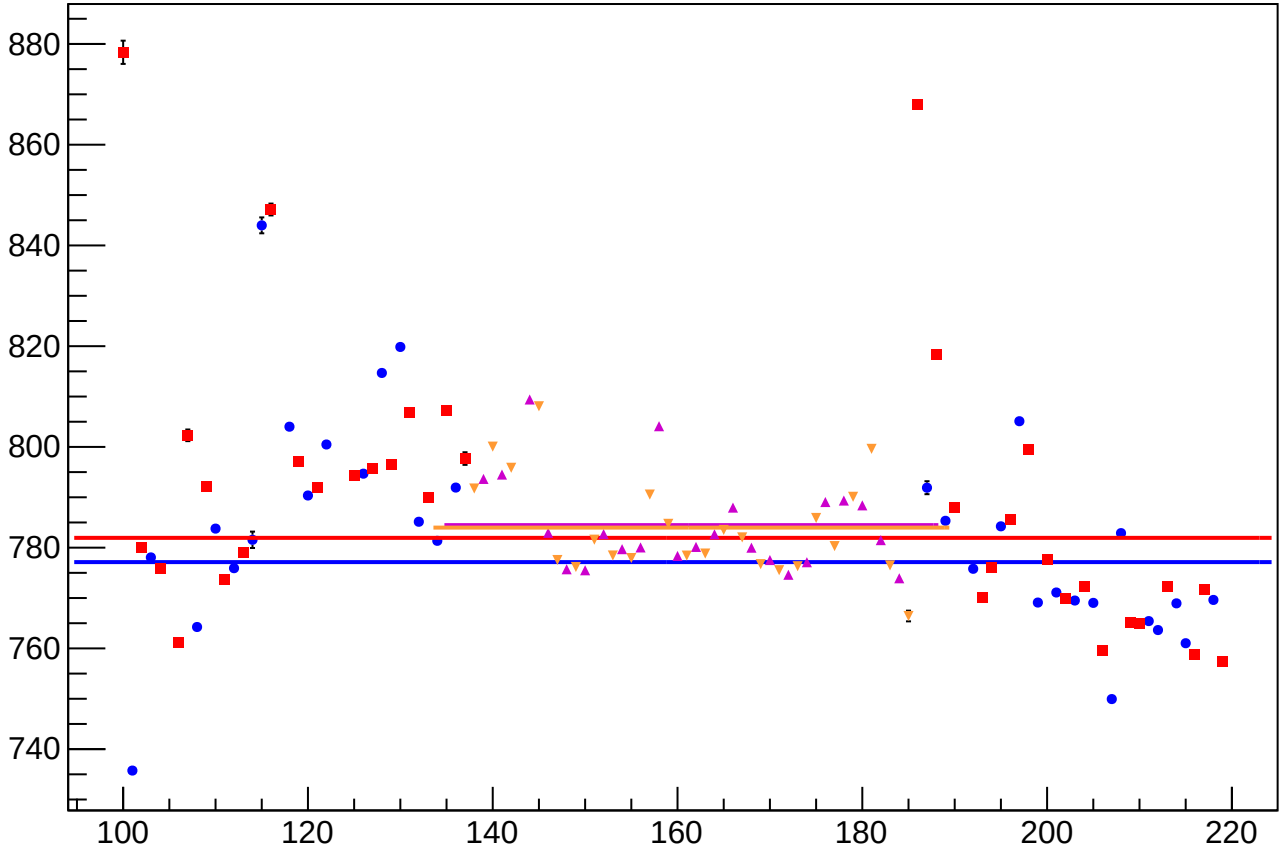
Right: 2207.321+/-121.236 χ^2/NDF: 35.0/66

In: 2198.691+/-125.731 χ^2/NDF:44.3/54

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

All: 2103.370+/-88.376 χ^2/NDF: 81.6/113

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 777.132+/-0.122 χ^2/NDF: 22150.5/31

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

Right Out: 781.946+/-0.120 χ^2/NDF: 30503.5/34

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

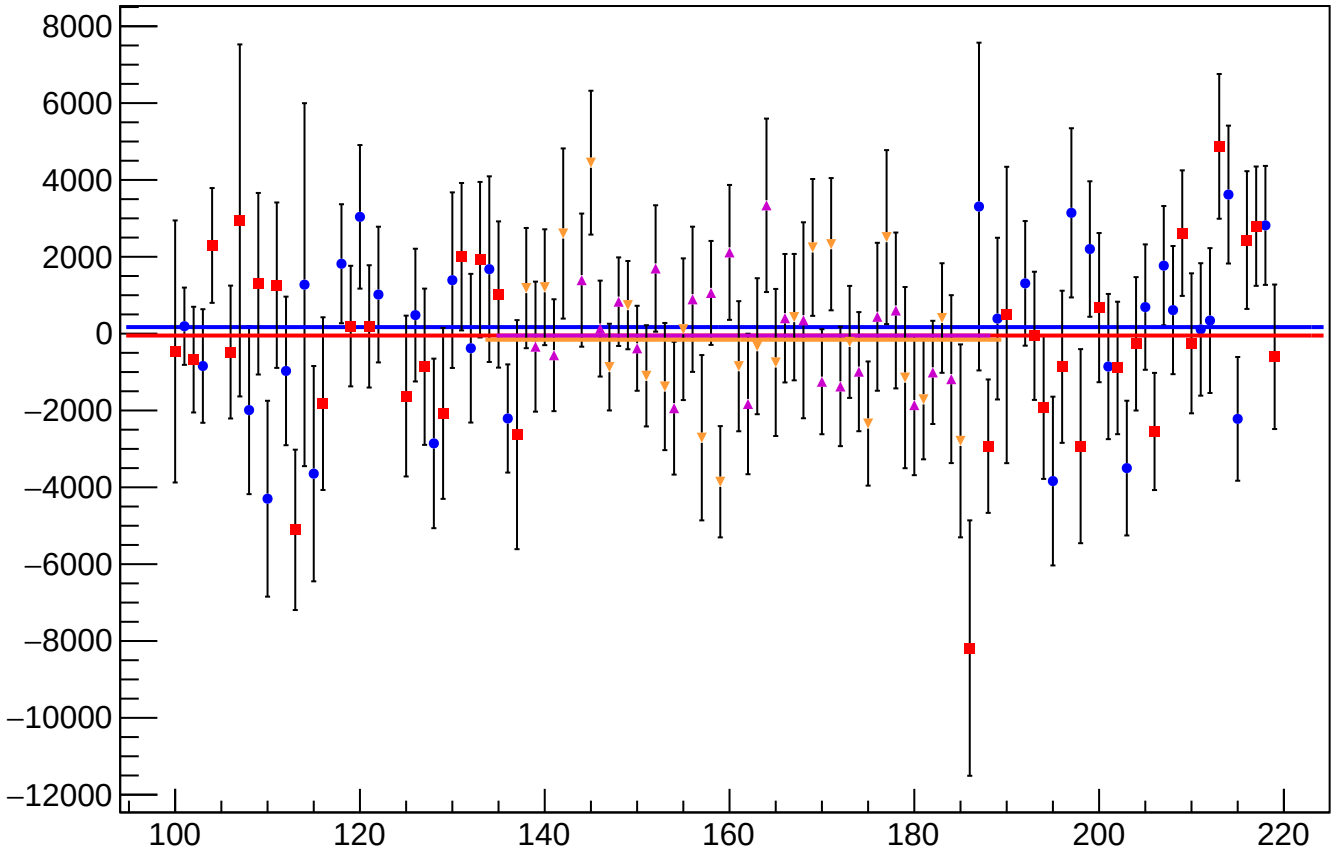
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 779.579+/-0.086 χ^2/NDF: 53442.1/66

In: 780.590+/-0.089 χ^2/NDF:28776.8/54

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

All: 781.756+/-0.062 χ^2/NDF: 64681.8/113



Right In: 169.957+/-318.925 χ^2/NDF: 38.3/31

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

Right Out: -49.802+/-324.020 χ^2/NDF: 44.3/34

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

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

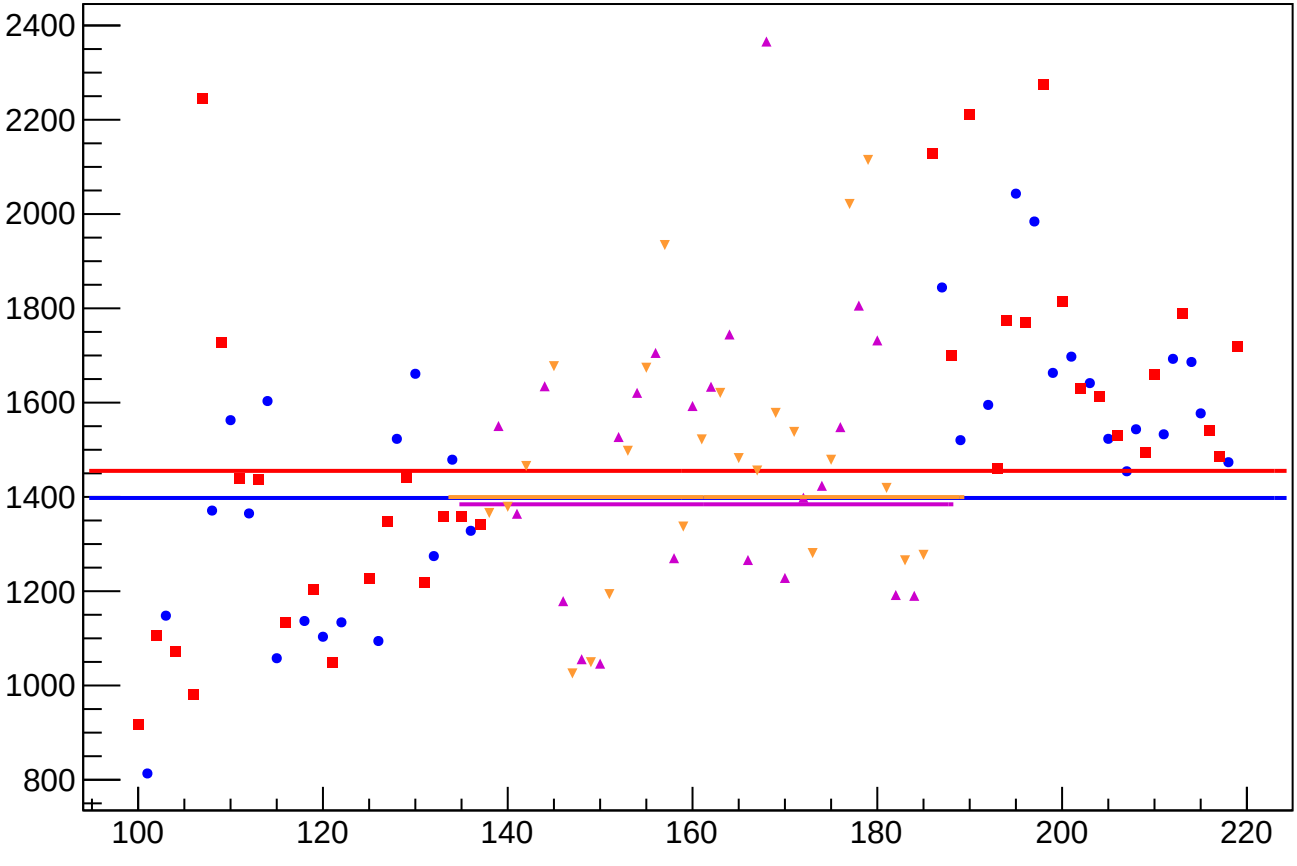
Right: 61.818+/-227.294 χ^2/NDF: 82.8/66

In: 62.846+/-229.399 χ^2/NDF:51.9/54

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

All: -19.246+/-163.104 χ^2/NDF: 125.7/113

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1397.756+/-0.226 χ^2/NDF: 1715737.9/31

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

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

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

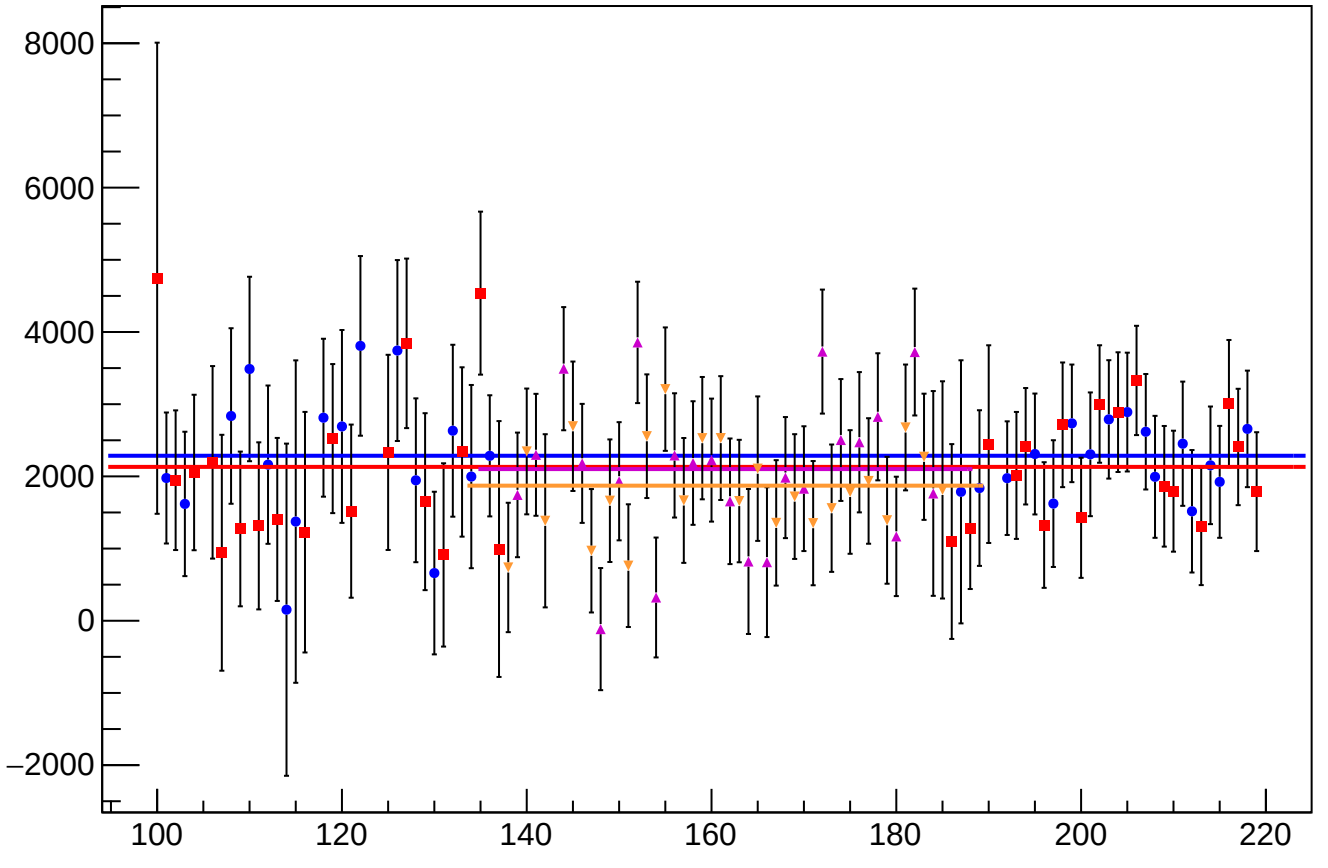
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1426.044+/-0.161 χ^2/NDF: 3352596.9/66

In: 1391.278+/-0.162 χ^2/NDF:2987384.2/54

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

All: 1409.521+/-0.115 χ^2/NDF: 5782832.0/11



Right In: 2285.672+/-172.887 χ^2/NDF: 12.0/31

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

Right Out: 2131.518+/-170.055 χ^2/NDF: 22.6/34

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

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

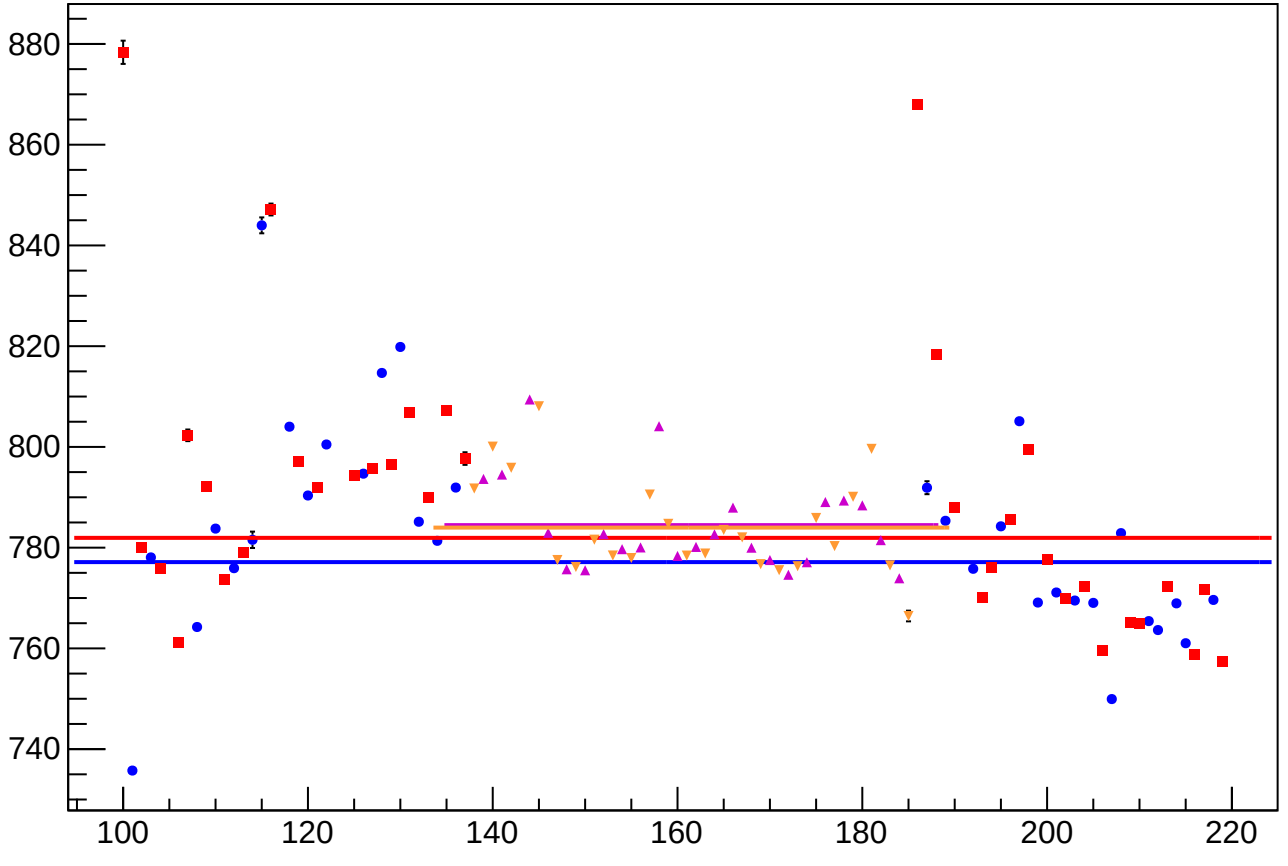
Right: 2207.322+/-121.236 χ^2/NDF: 35.0/66

In: 2198.692+/-125.731 χ^2/NDF:44.3/54

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

All: 2103.370+/-88.376 χ^2/NDF: 81.6/113

eigen_dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 777.132+/-0.122 χ^2/NDF: 22150.4/31

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

Right Out: 781.946+/-0.120 χ^2/NDF: 30503.4/34

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

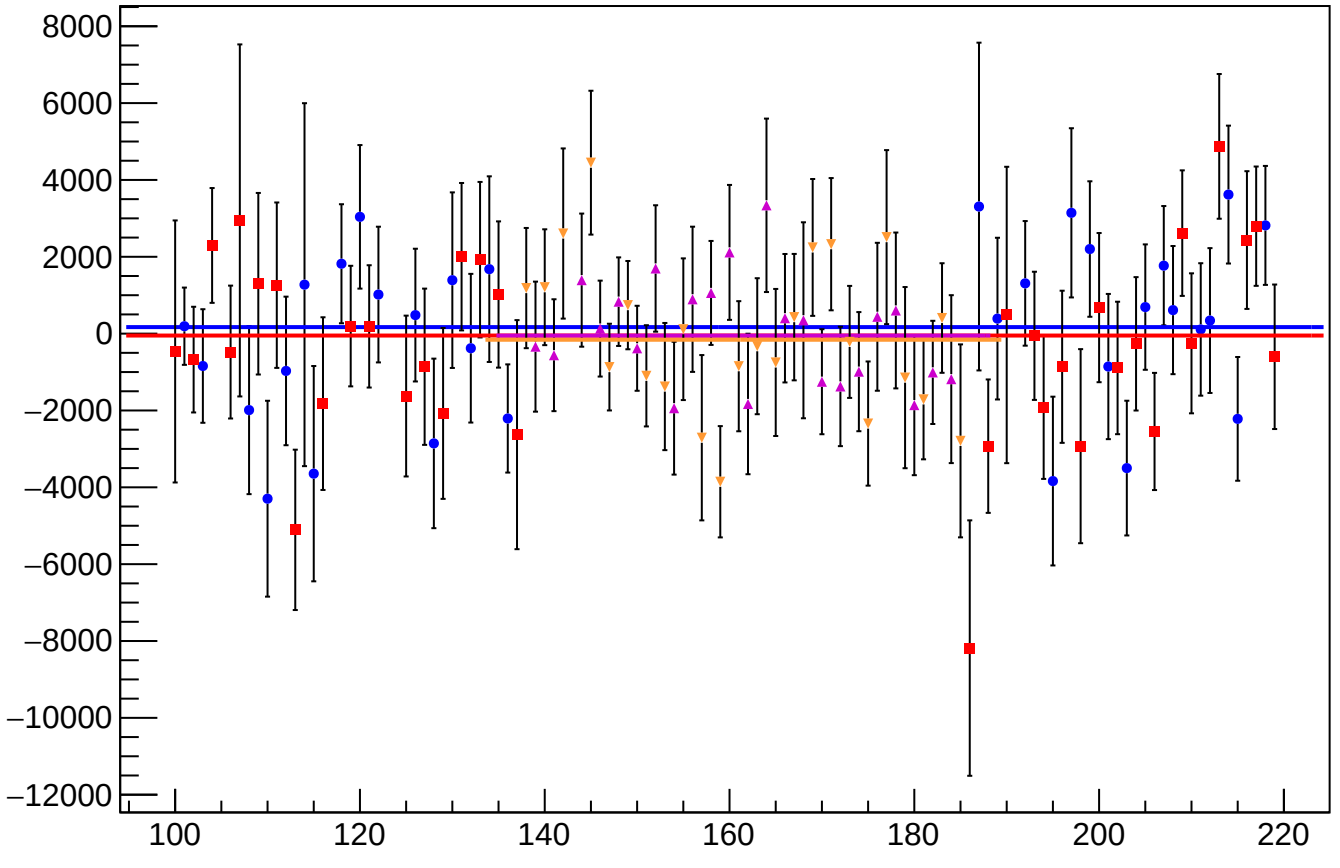
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 779.579+/-0.086 χ^2/NDF: 53441.9/66

In: 780.590+/-0.089 χ^2/NDF:28776.7/54

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

All: 781.756+/-0.062 χ^2/NDF: 64681.6/113



Right In: 169.956+/-318.925 χ^2/NDF: 38.3/31

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

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

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

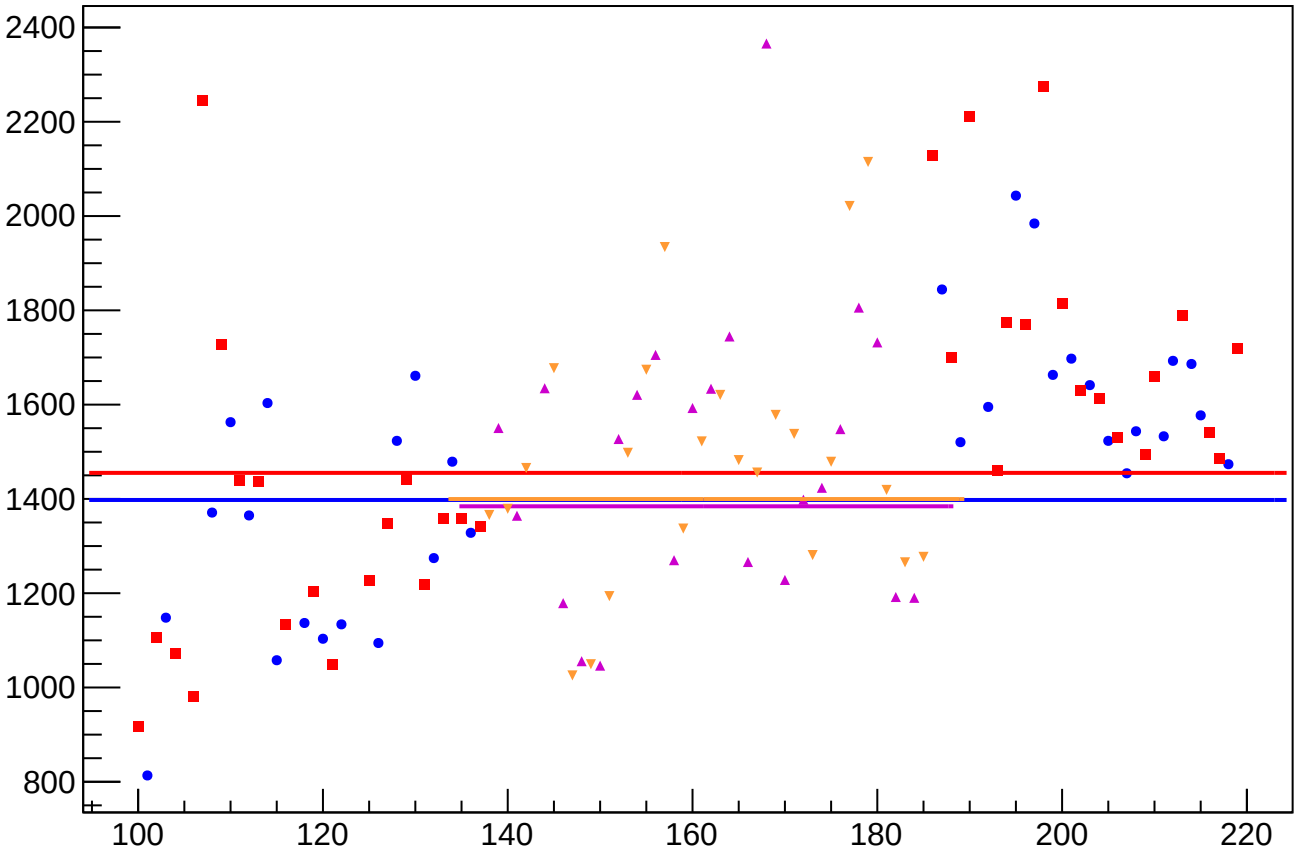
Left: -105.305+/-234.190 χ^2/NDF: 42.6/46

Right: 61.819+/-227.294 χ^2/NDF: 82.8/66

In: 62.846+/-229.399 χ^2/NDF:51.9/54

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

All: -19.246+/-163.104 χ^2/NDF: 125.7/113



Right In: 1397.755+/-0.226 χ^2/NDF: 1715760.5/31

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

Right Out: 1455.243+/-0.229 χ^2/NDF: 1604903.1/34

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

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

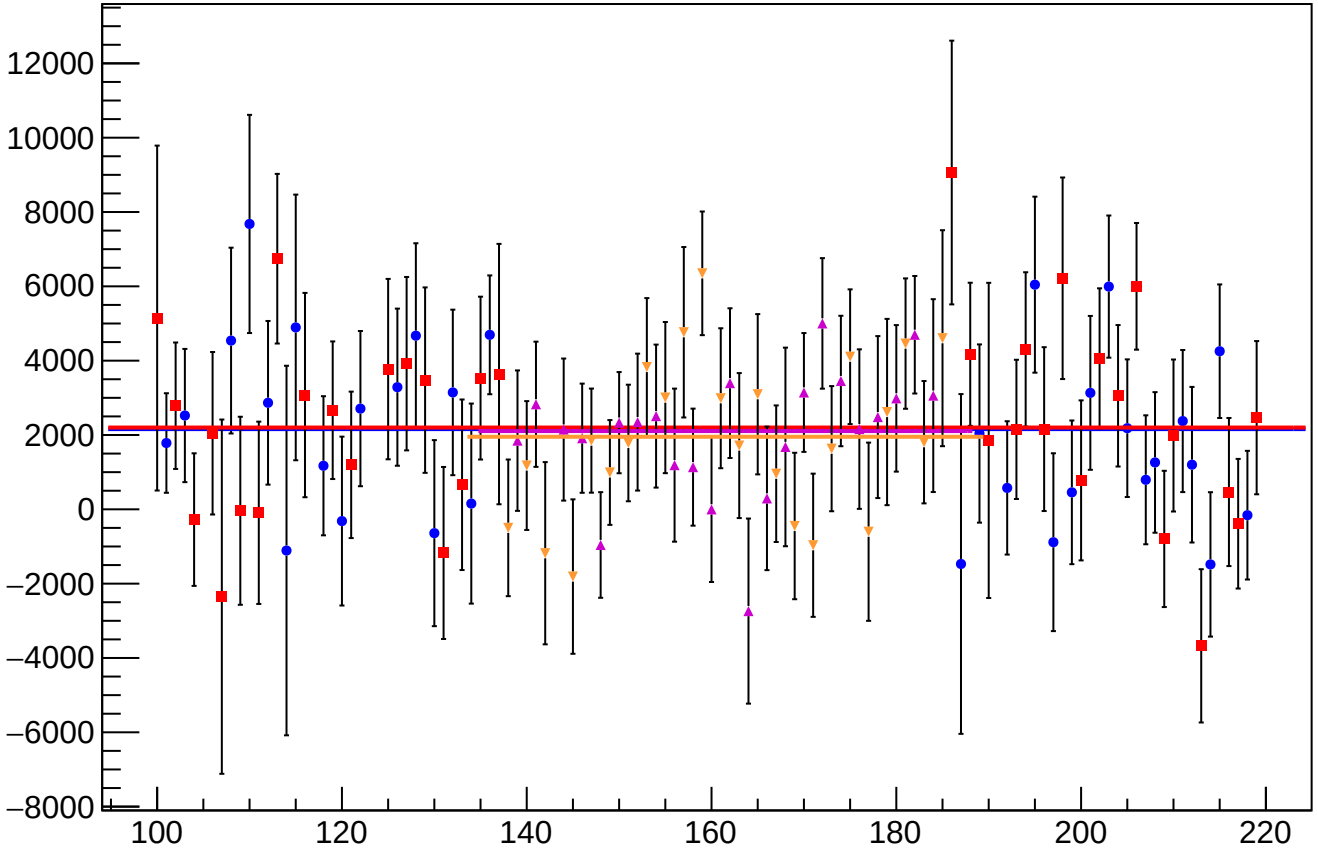
Right: 1426.043+/-0.161 χ^2/NDF: 3352640.9/66

In: 1391.279+/-0.162 χ^2/NDF:2987406.4/54

Out: 1428.172+/-0.164 χ^2/NDF:2769886.6/58

All: 1409.521+/-0.115 χ^2/NDF: 5782872.7/11

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2158.357+/-366.922 χ^2/NDF: 31.5/31

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

Right Out: 2200.610+/-369.993 χ^2/NDF: 42.1/34

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

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

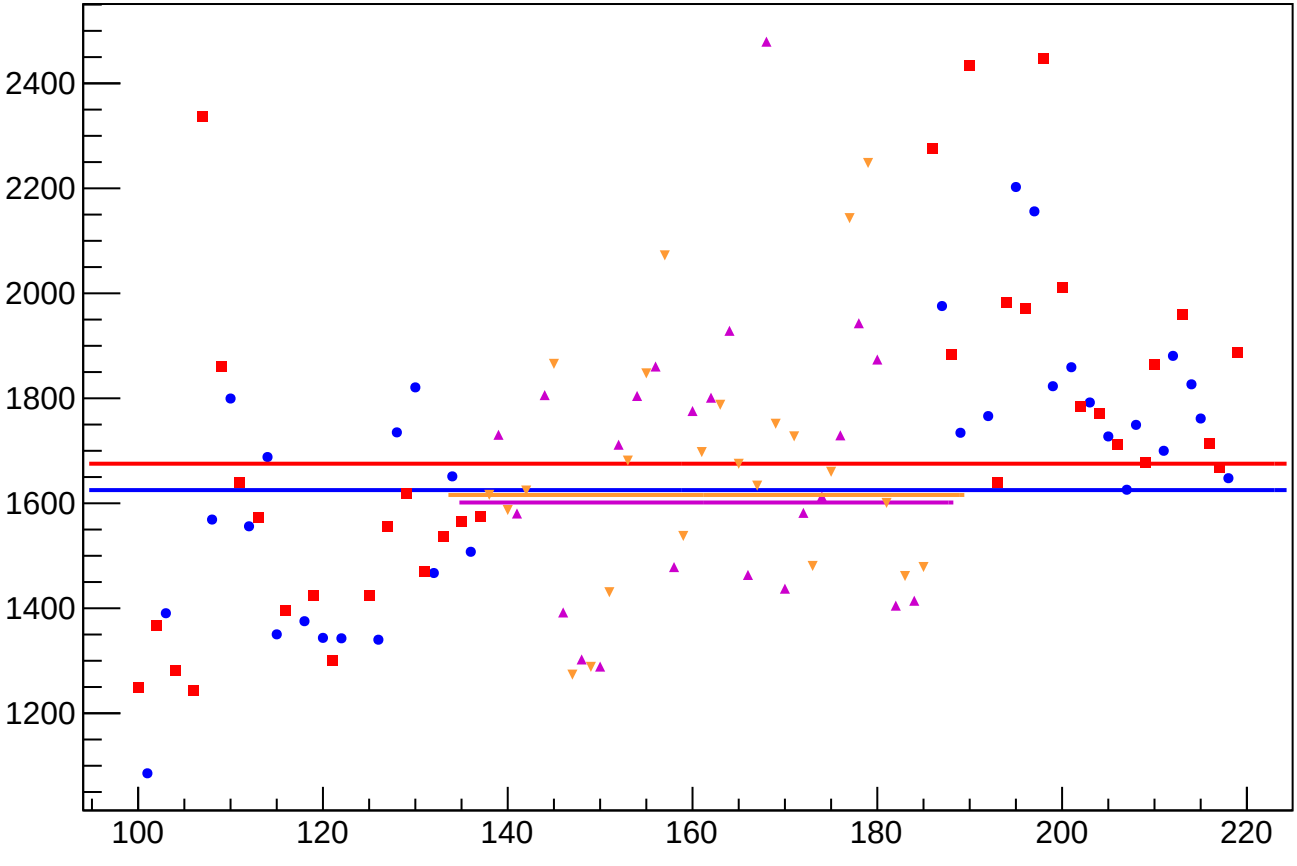
Right: 2179.308+/-260.532 χ^2/NDF: 73.6/66

In: 2132.747+/-263.636 χ^2/NDF:50.1/54

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

All: 2106.481+/-186.964 χ^2/NDF: 119.8/113

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1625.143+/-0.259 χ^2/NDF: 945886.5/31

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

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

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

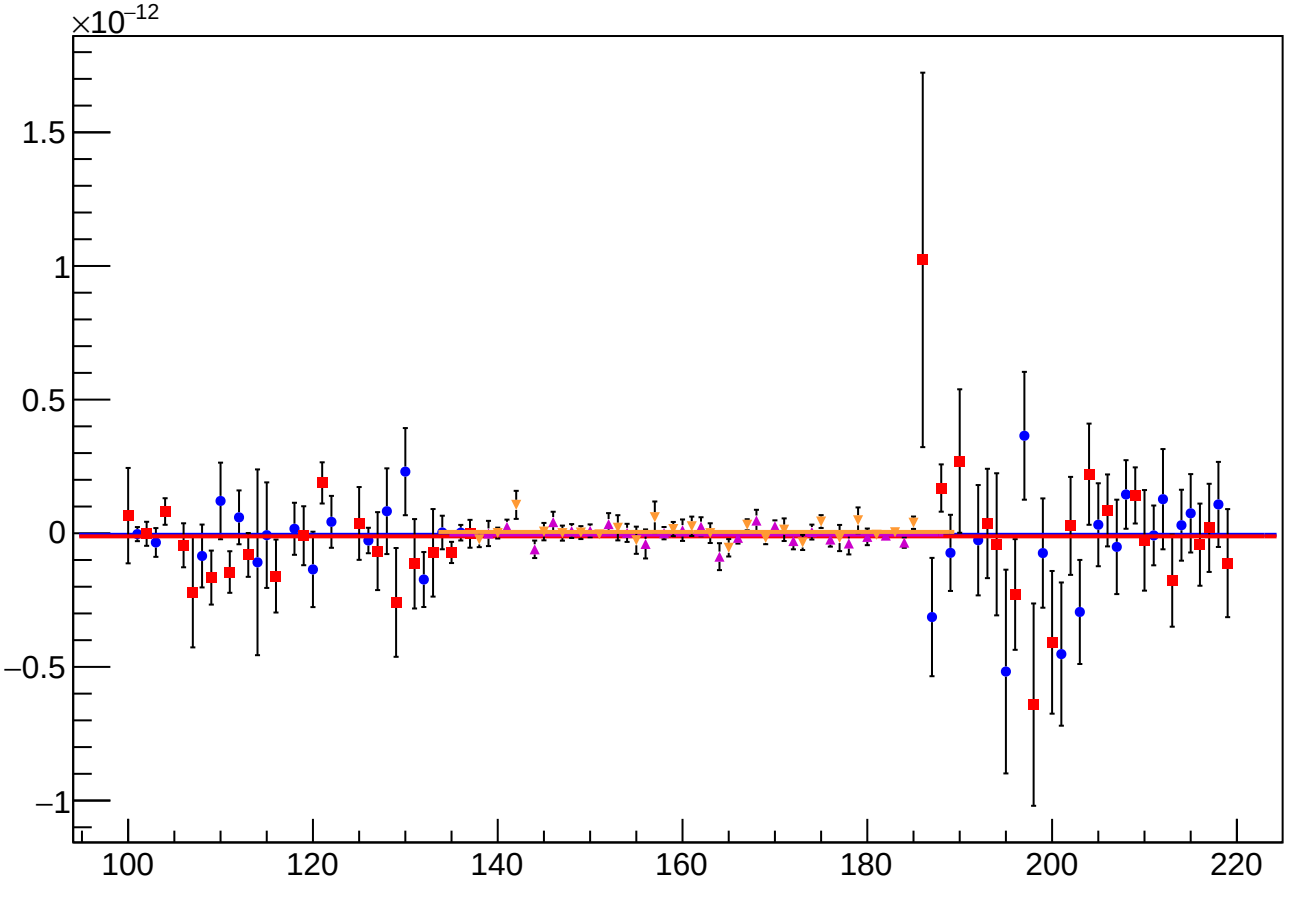
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1650.074+/-0.184 χ^2/NDF: 1987088.3/66

In: 1613.704+/-0.186 χ^2/NDF:1743627.6/54

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

All: 1629.983+/-0.132 χ^2/NDF: 3501114.4/11



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/31

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

Right Out: -0.000+/-0.000 χ^2/NDF: 42.5/34

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

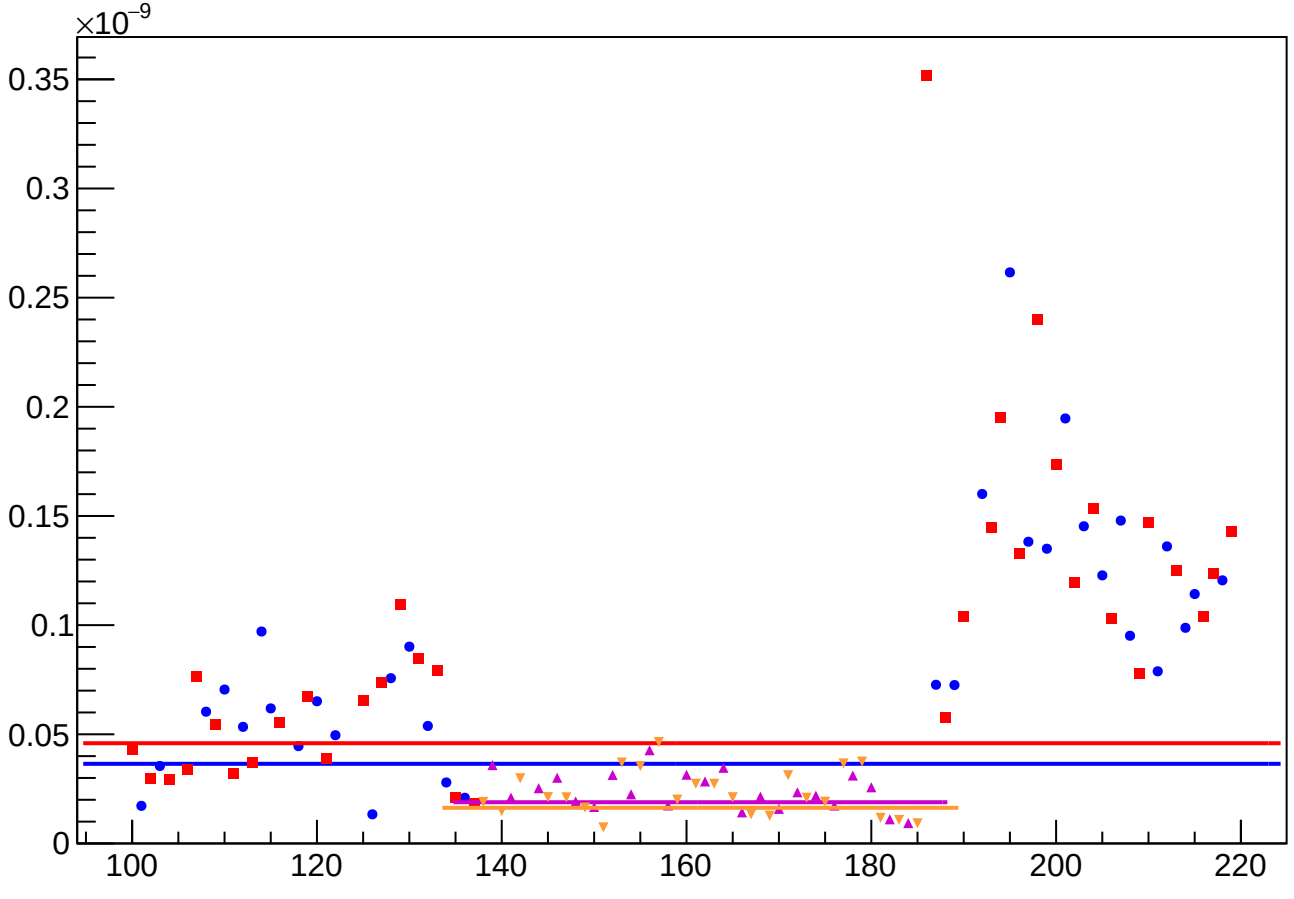
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 65.4/66

In: -0.000+/-0.000 χ^2/NDF:42.3/54

Out: 0.000+/-0.000 χ^2/NDF:64.4/58

All: -0.000+/-0.000 χ^2/NDF: 108.0/113



Right In: 0.000+/-0.000 χ^2/NDF: 11001967.4/31

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

Right Out: 0.000+/-0.000 χ^2/NDF: 9257657.1/34

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

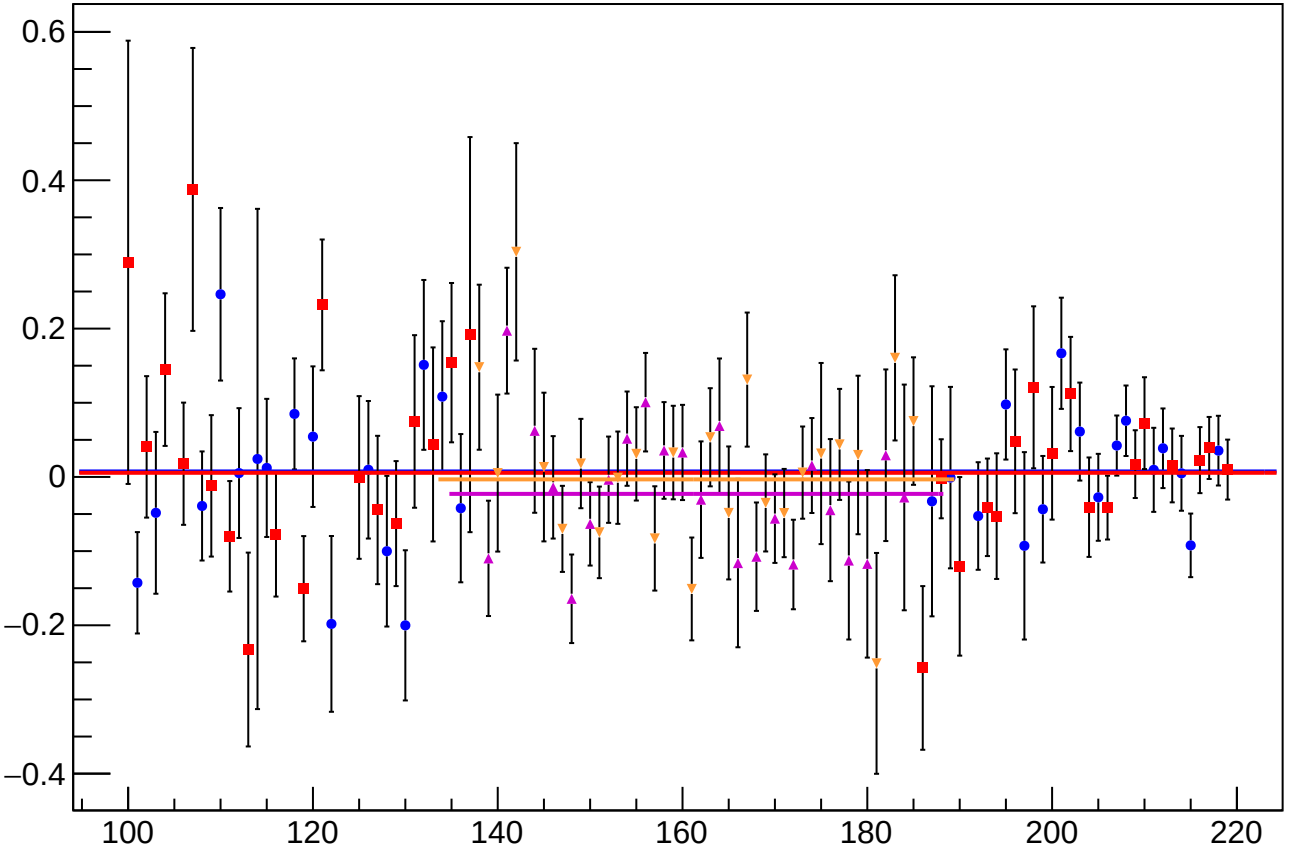
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 20630383.5/66

In: 0.000+/-0.000 χ^2/NDF:16868566.2/54

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

All: 0.000+/-0.000 χ^2/NDF: 36331415.4/113



Right In: 0.007+/-0.013 χ^2/NDF: 40.0/31

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

Right Out: 0.006+/-0.012 χ^2/NDF: 42.6/34

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

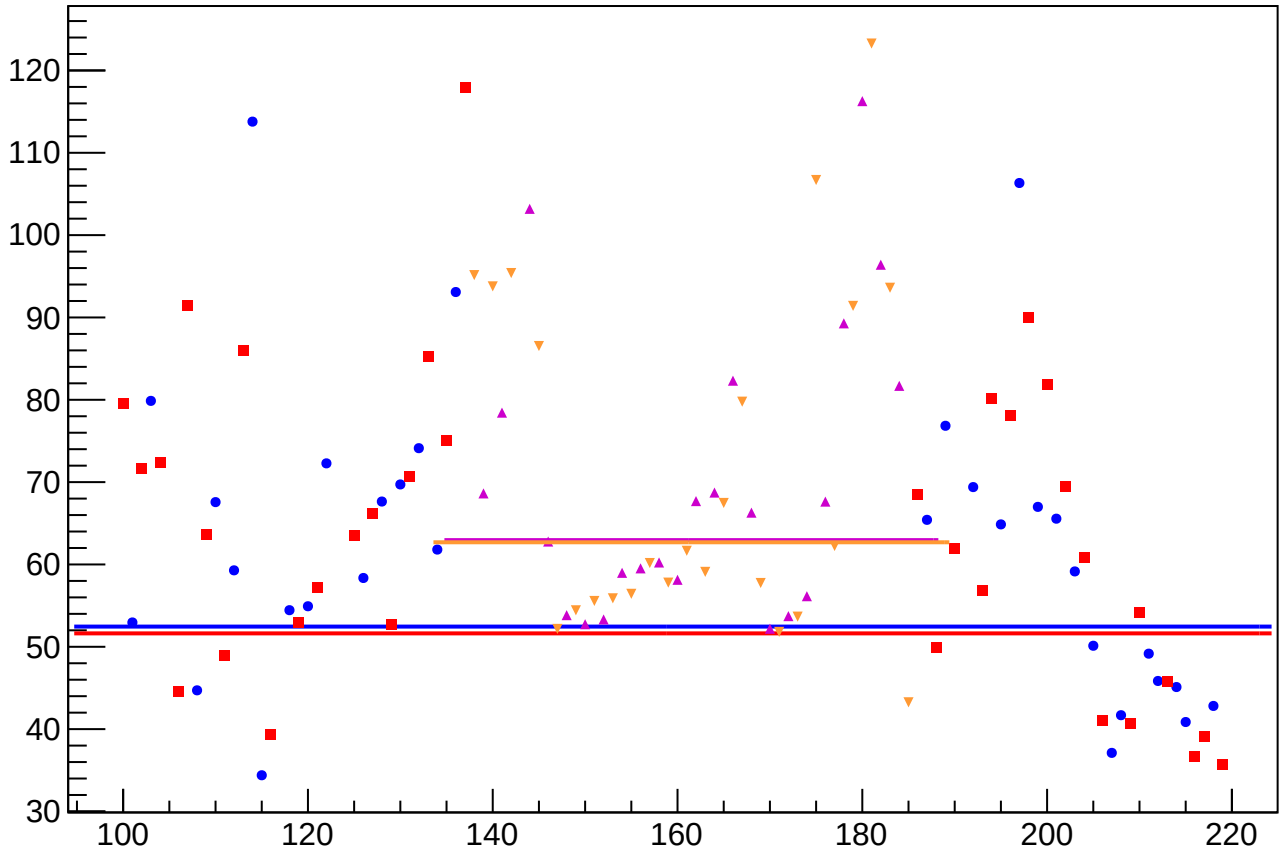
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.006+/-0.009 χ^2/NDF: 82.6/66

In: -0.005+/-0.010 χ^2/NDF:71.2/54

Out: 0.002+/-0.010 χ^2/NDF:68.7/58

All: -0.001+/-0.007 χ^2/NDF: 140.2/113



Right In: 52.454+/-0.009 χ^2/NDF: 2413067.7/31

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

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

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

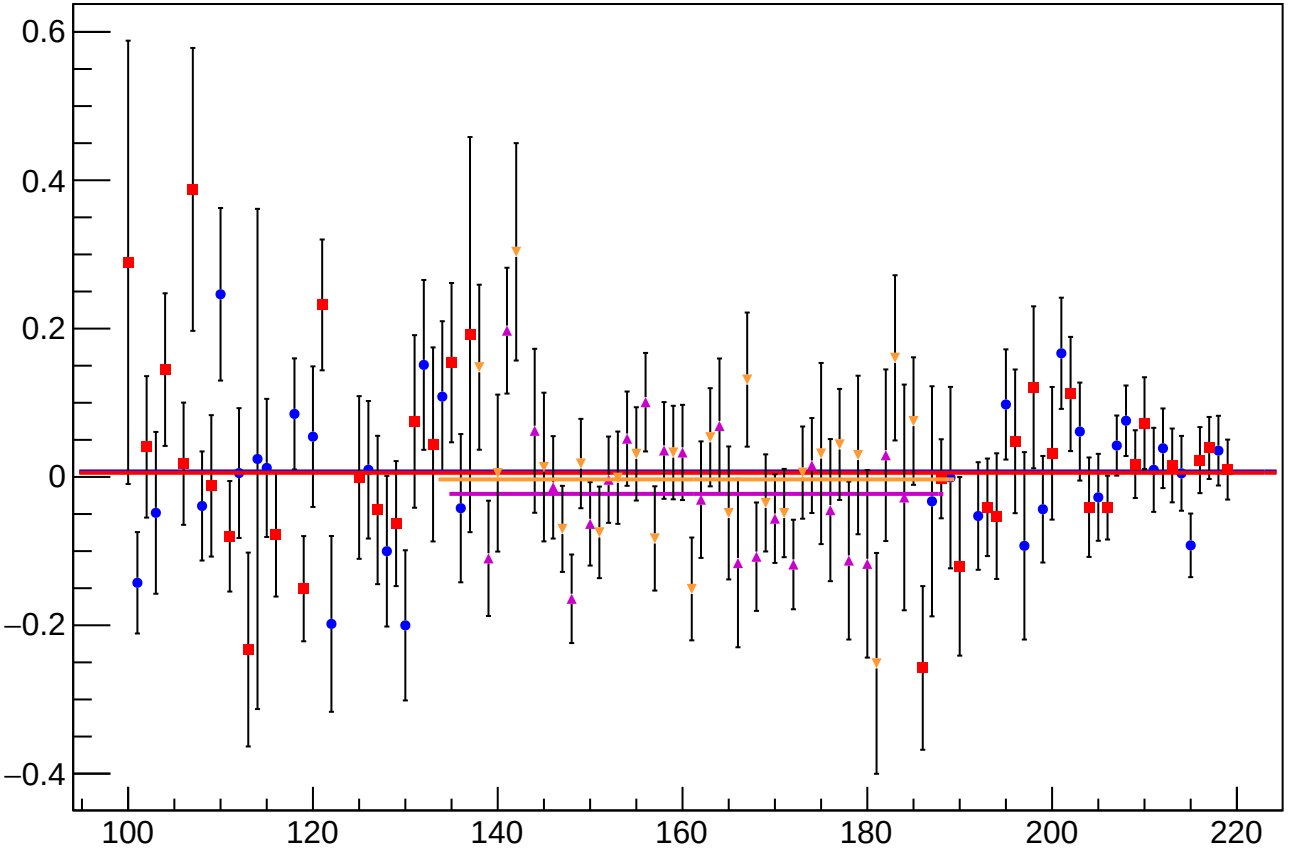
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 52.028+/-0.006 χ^2/NDF: 5460159.0/66

In: 56.637+/-0.007 χ^2/NDF:4396334.3/54

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

All: 56.243+/-0.005 χ^2/NDF: 10014649.4/113



Right In: 0.007+/-0.013 χ^2/NDF: 40.0/31

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

Right Out: 0.006+/-0.012 χ^2/NDF: 42.6/34

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

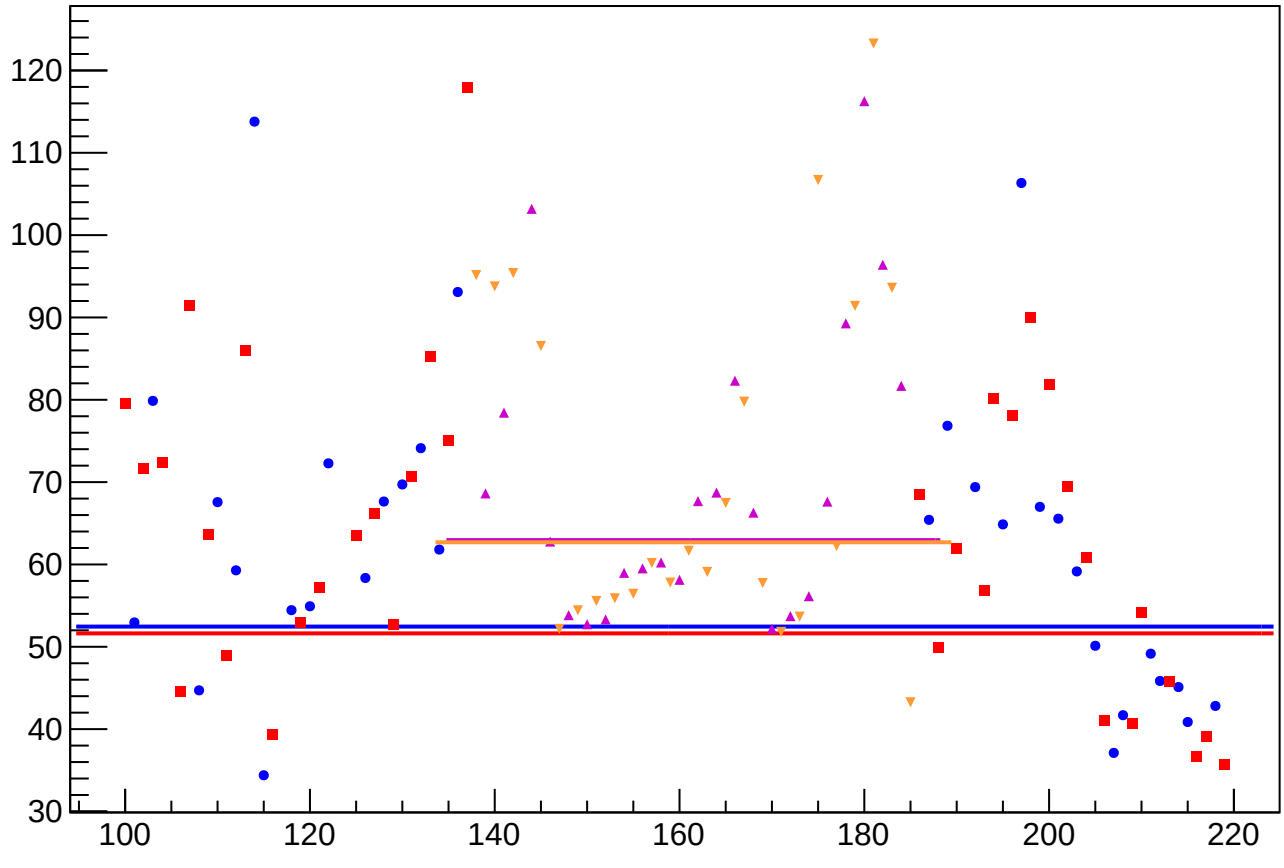
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.006+/-0.009 χ^2/NDF: 82.6/66

In: -0.005+/-0.010 χ^2/NDF:71.2/54

Out: 0.002+/-0.010 χ^2/NDF:68.7/58

All: -0.001+/-0.007 χ^2/NDF: 140.2/113



Right In: 52.454+/-0.009 χ^2/NDF: 2413067.7/31

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

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

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

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

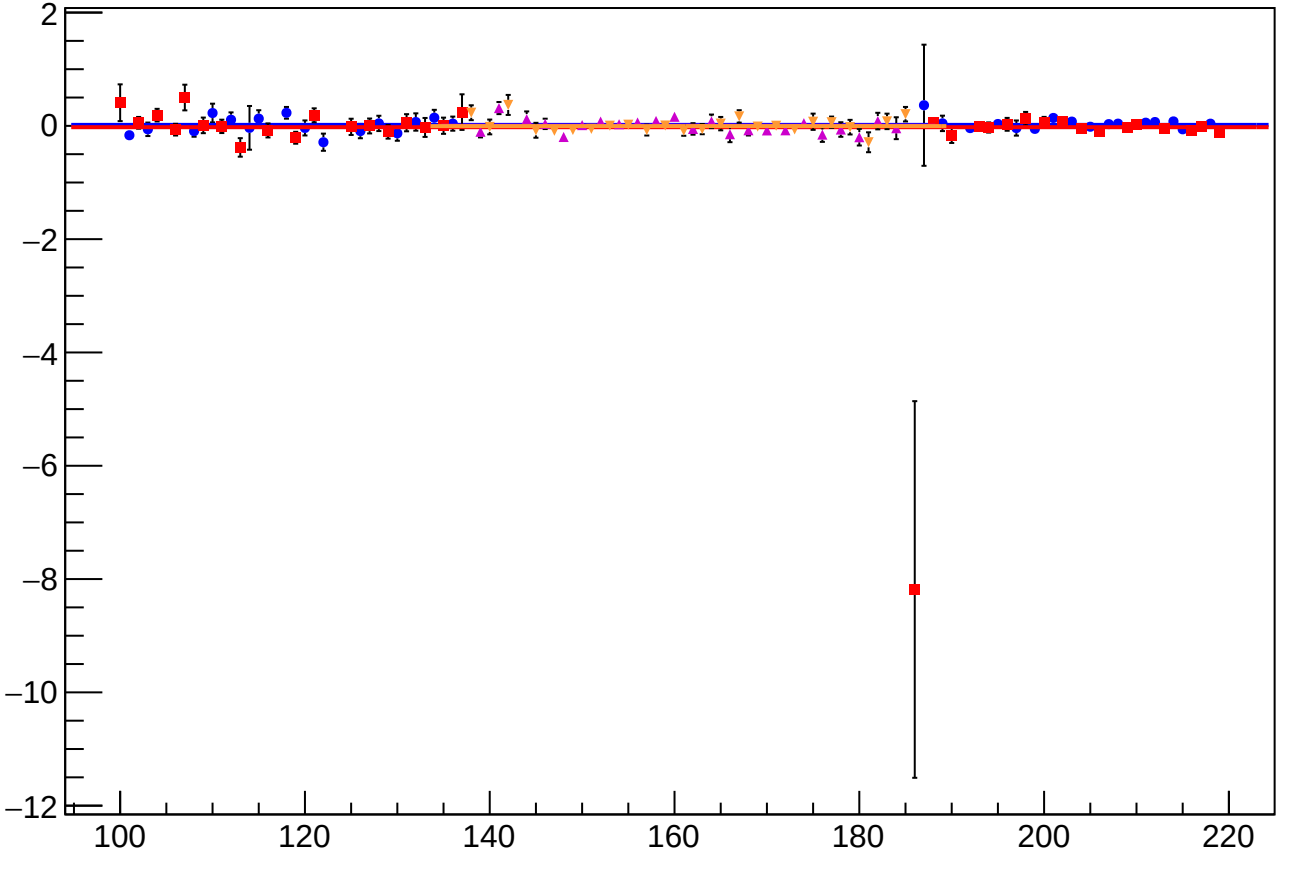
Right: 52.028+/-0.006 χ^2/NDF: 5460159.0/66

In: 56.637+/-0.007 χ^2/NDF:4396334.3/54

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

All: 56.243+/-0.005 χ^2/NDF: 10014649.4/113

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.016 χ^2/NDF: 29.5/31

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

Right Out: -0.024+/-0.016 χ^2/NDF: 42.7/34

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

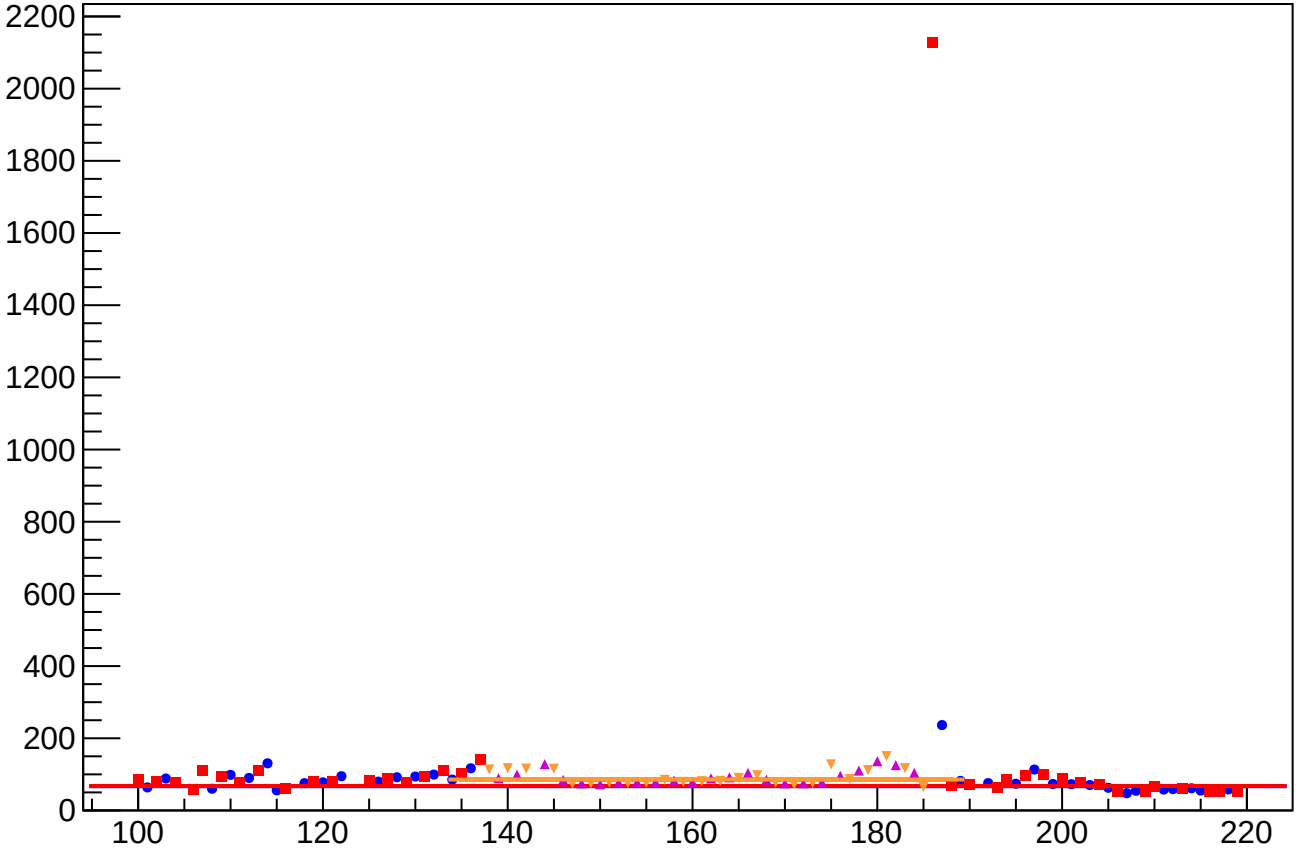
Right: -0.003+/-0.011 χ^2/NDF: 75.5/66

In: 0.011+/-0.013 χ^2/NDF:60.4/54

Out: -0.017+/-0.013 χ^2/NDF:64.6/58

All: -0.003+/-0.009 χ^2/NDF: 127.5/113

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.205+/-0.011 χ^2/NDF: 1943791.2/31

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

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

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

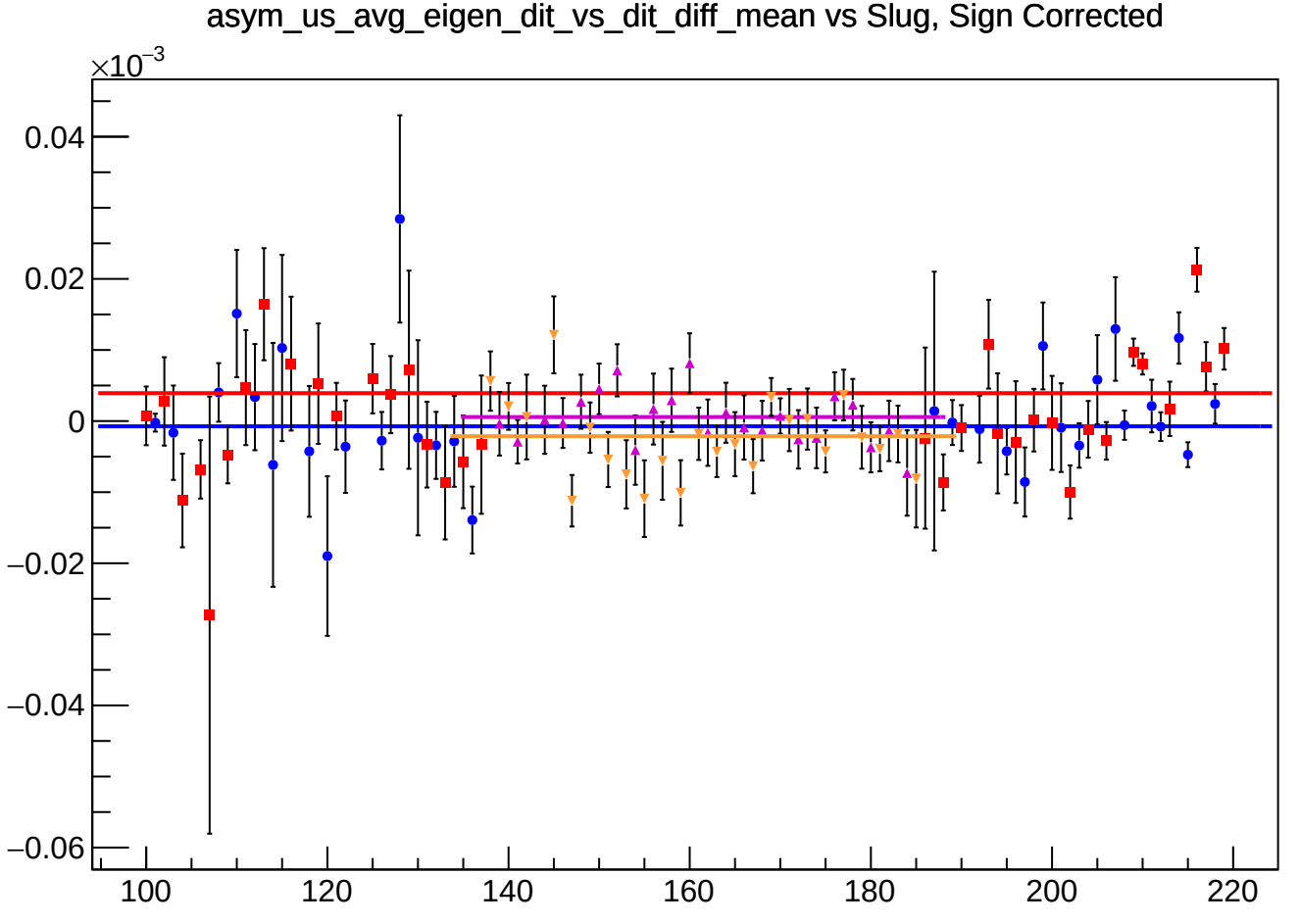
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 67.564+/-0.008 χ^2/NDF: 4801508.3/66

In: 74.059+/-0.009 χ^2/NDF:3943672.2/54

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

All: 74.245+/-0.006 χ^2/NDF: 9083327.8/113



Right In: -0.000+/-0.000 χ^2/NDF: 52.8/31

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

Right Out: 0.000+/-0.000 χ^2/NDF: 121.2/34

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

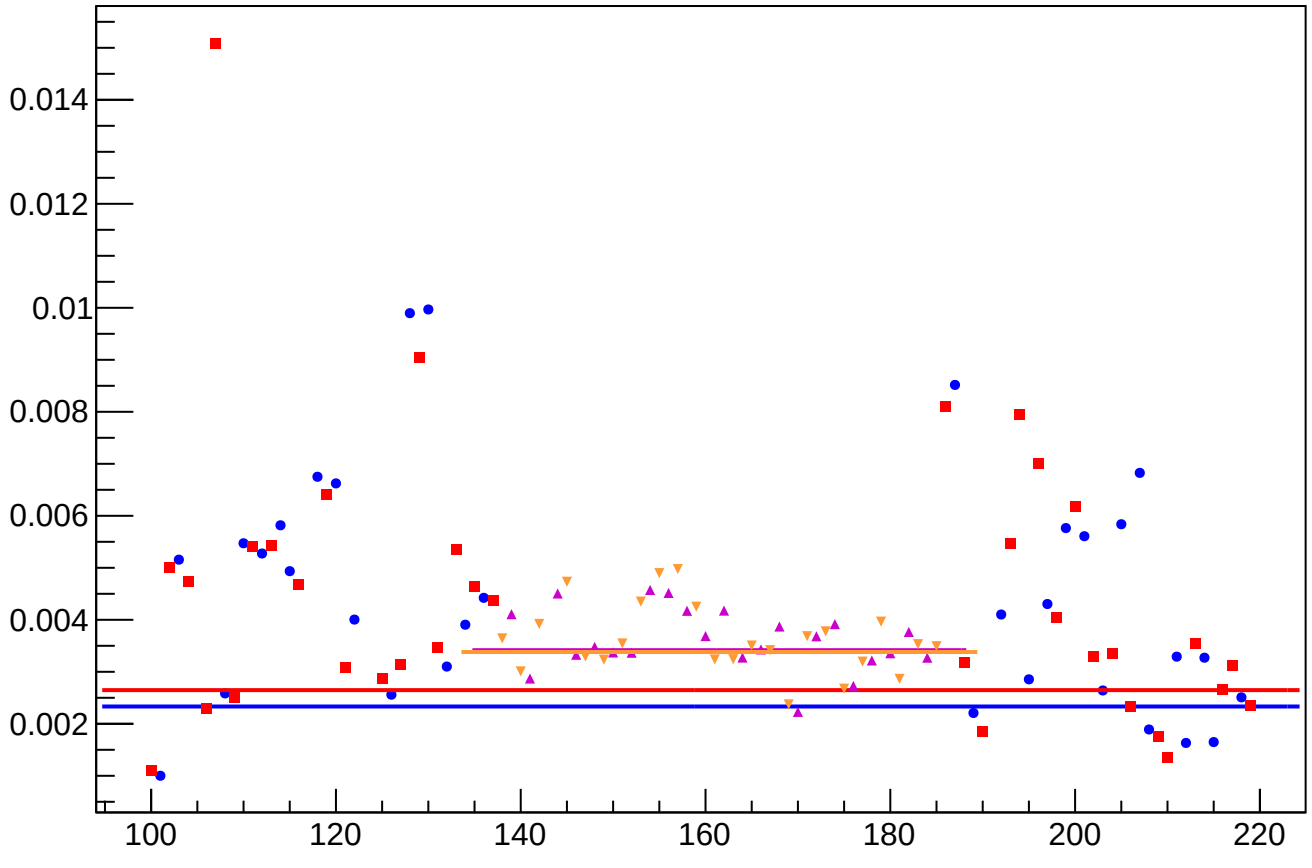
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: 0.000+/-0.000 χ^2/NDF: 199.6/66

In: -0.000+/-0.000 χ^2/NDF:71.0/54

Out: 0.000+/-0.000 χ^2/NDF:191.7/58

All: 0.000+/-0.000 χ^2/NDF: 268.0/113



Right In: 0.002+/-0.000 χ^2/NDF: 10319512.0/31

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

Right Out: 0.003+/-0.000 χ^2/NDF: 8351839.3/34

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

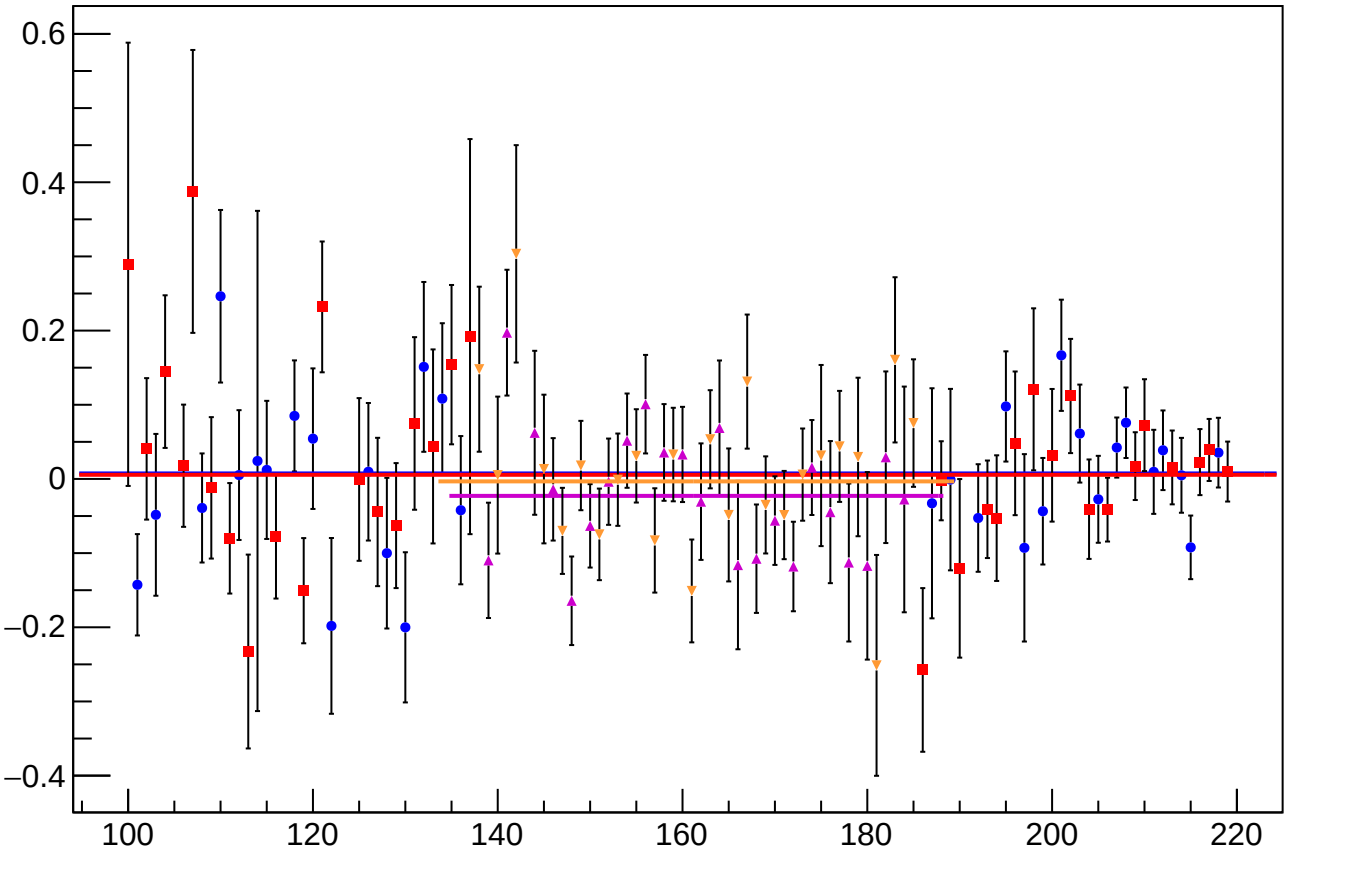
Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

Right: 0.002+/-0.000 χ^2/NDF: 18903754.3/66

In: 0.003+/-0.000 χ^2/NDF:13711662.3/54

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

All: 0.003+/-0.000 χ^2/NDF: 24409734.9/113



Right In: 0.007+/-0.013 χ^2/NDF: 40.0/31

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

Right Out: 0.006+/-0.012 χ^2/NDF: 42.6/34

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

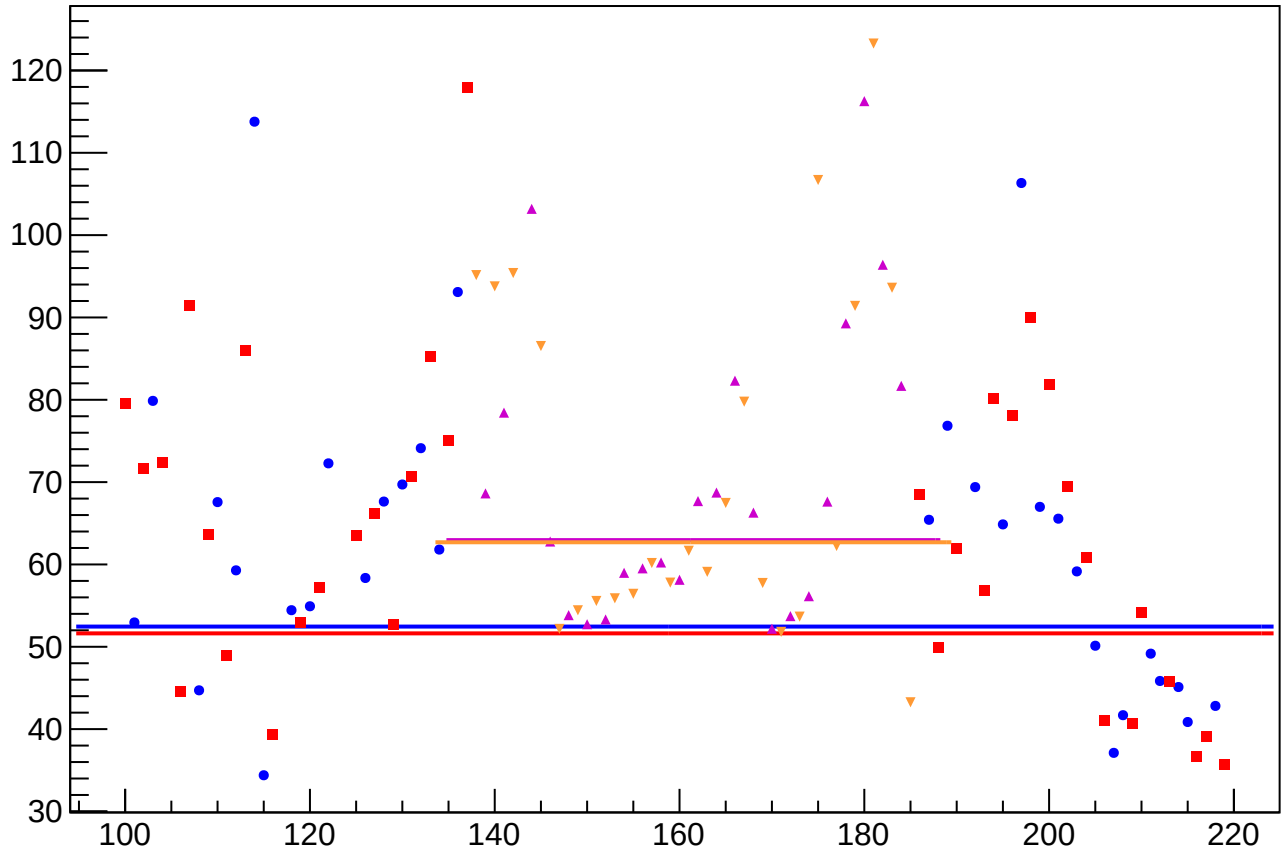
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.006+/-0.009 χ^2/NDF: 82.6/66

In: -0.005+/-0.010 χ^2/NDF:71.2/54

Out: 0.002+/-0.010 χ^2/NDF:68.7/58

All: -0.001+/-0.007 χ^2/NDF: 140.2/113



Right In: 52.454+/-0.009 χ^2/NDF: 2412895.8/31

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

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

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

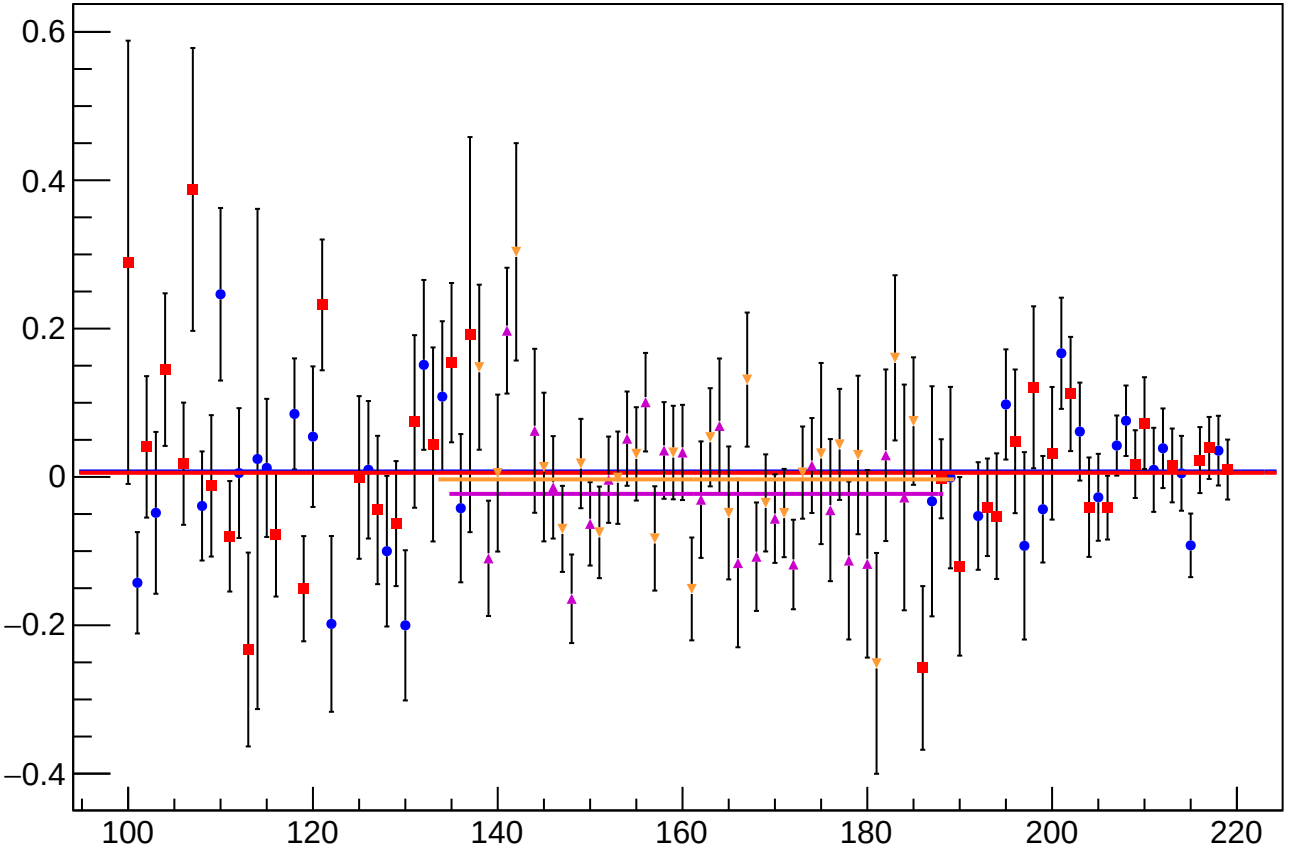
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 52.028+/-0.006 χ^2/NDF: 5459771.2/66

In: 56.638+/-0.007 χ^2/NDF:4396128.0/54

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

All: 56.244+/-0.005 χ^2/NDF: 10014265.2/113



Right In: 0.007+/-0.013 χ^2/NDF: 40.0/31

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

Right Out: 0.006+/-0.012 χ^2/NDF: 42.6/34

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

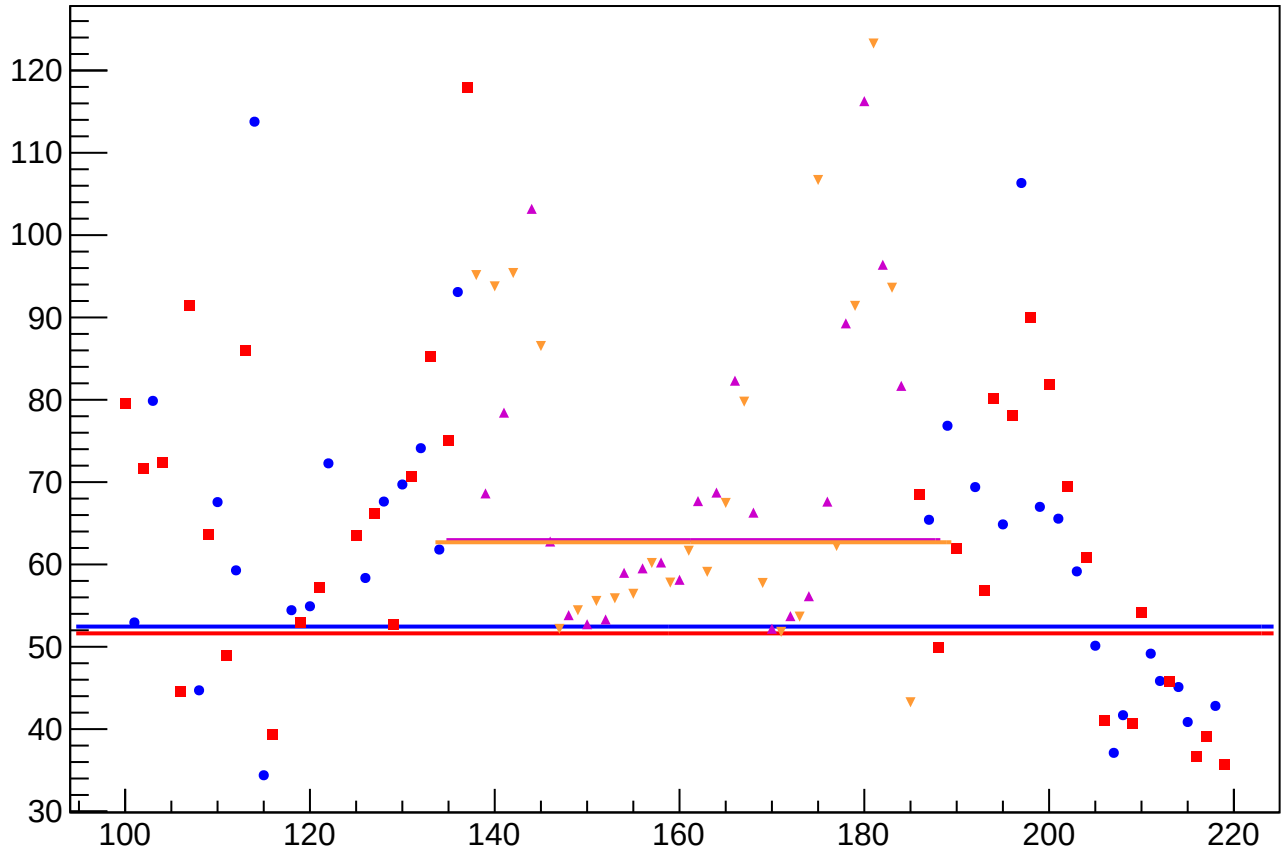
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.006+/-0.009 χ^2/NDF: 82.6/66

In: -0.005+/-0.010 χ^2/NDF:71.2/54

Out: 0.002+/-0.010 χ^2/NDF:68.7/58

All: -0.001+/-0.007 χ^2/NDF: 140.2/113



Right In: 52.454+/-0.009 χ^2/NDF: 2412895.8/31

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

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

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

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

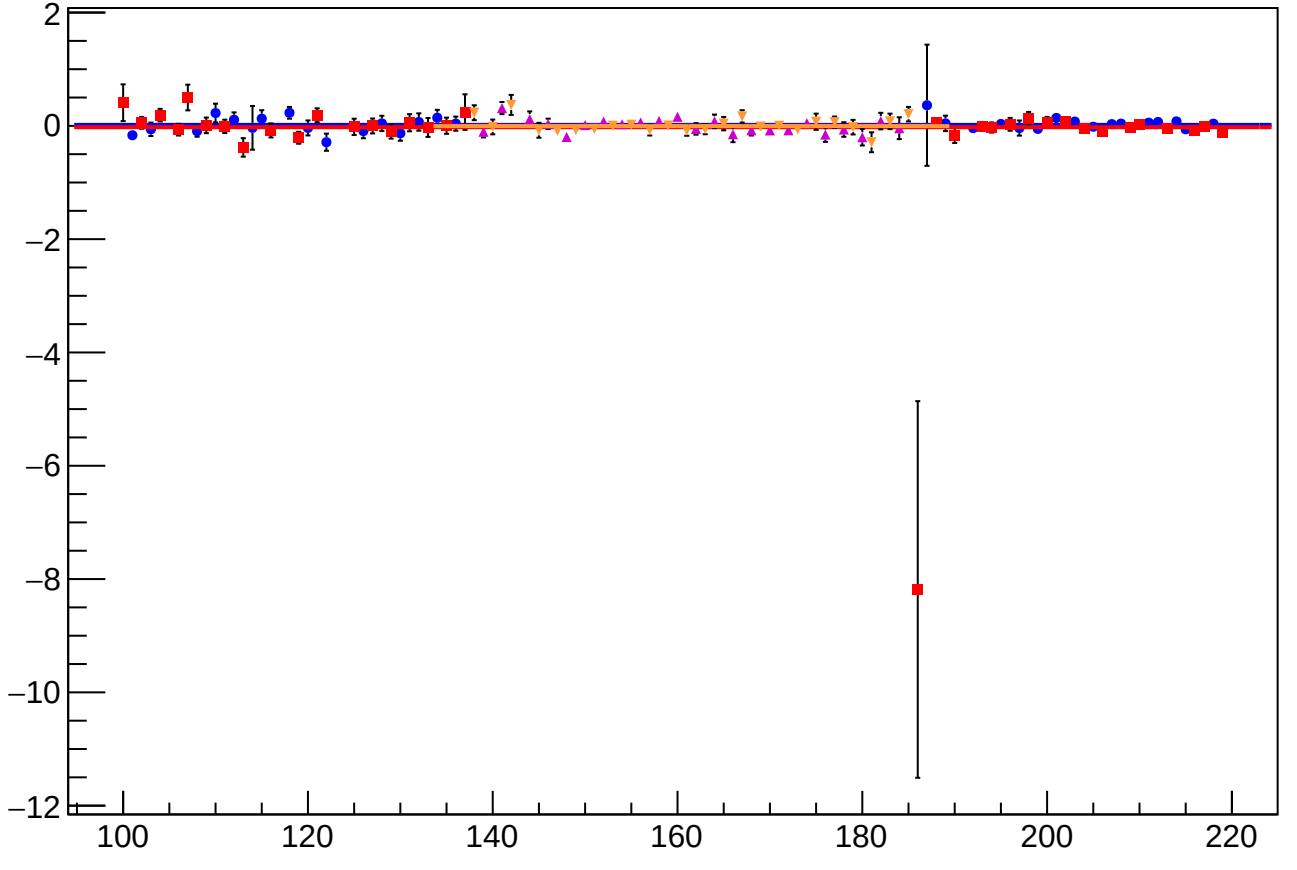
Right: 52.028+/-0.006 χ^2/NDF: 5459771.2/66

In: 56.638+/-0.007 χ^2/NDF:4396128.0/54

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

All: 56.244+/-0.005 χ^2/NDF: 10014265.2/113

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.016 χ^2/NDF: 29.5/31

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

Right Out: -0.024+/-0.016 χ^2/NDF: 42.7/34

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

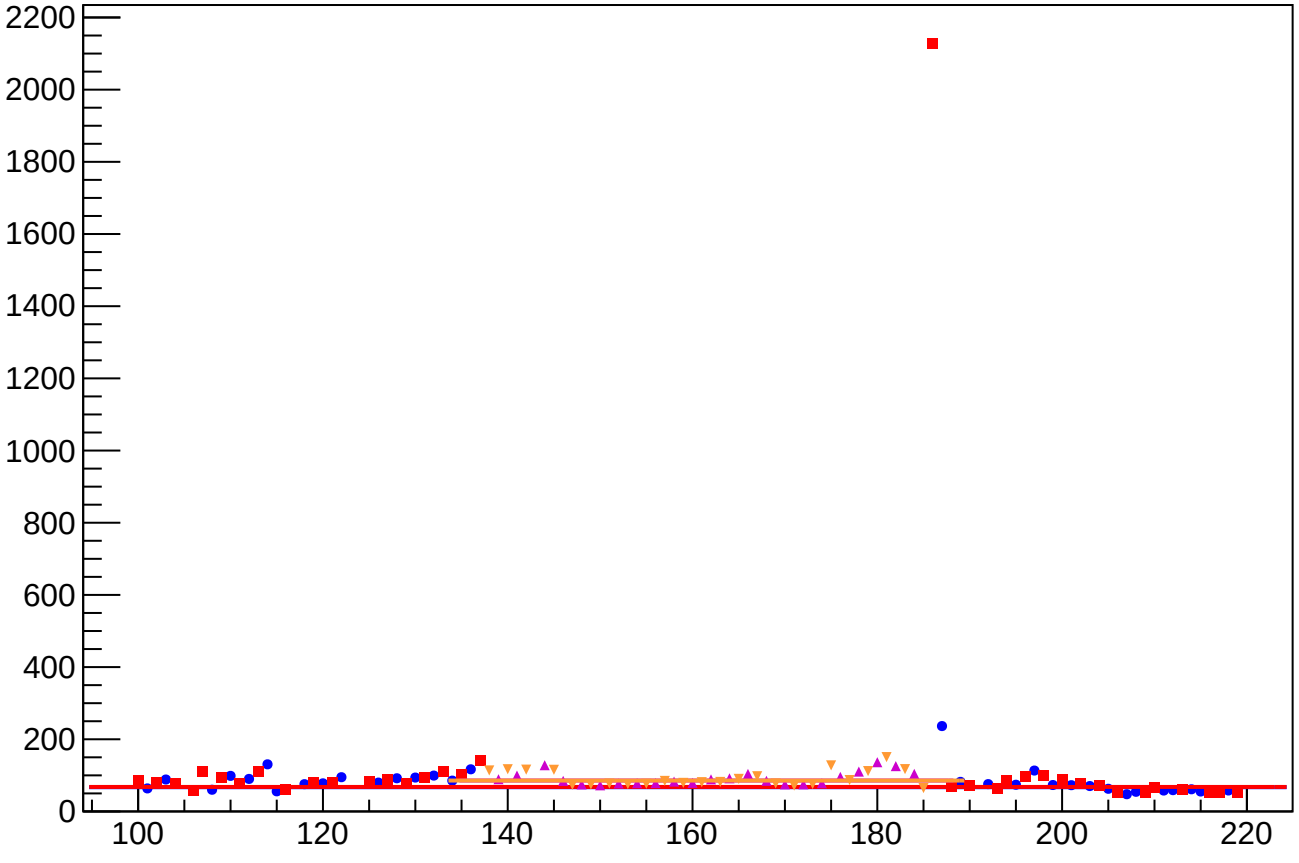
Right: -0.003+/-0.011 χ^2/NDF: 75.5/66

In: 0.011+/-0.013 χ^2/NDF:60.4/54

Out: -0.017+/-0.013 χ^2/NDF:64.6/58

All: -0.003+/-0.009 χ^2/NDF: 127.5/113

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.205+/-0.011 χ^2/NDF: 1943654.2/31

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

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

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

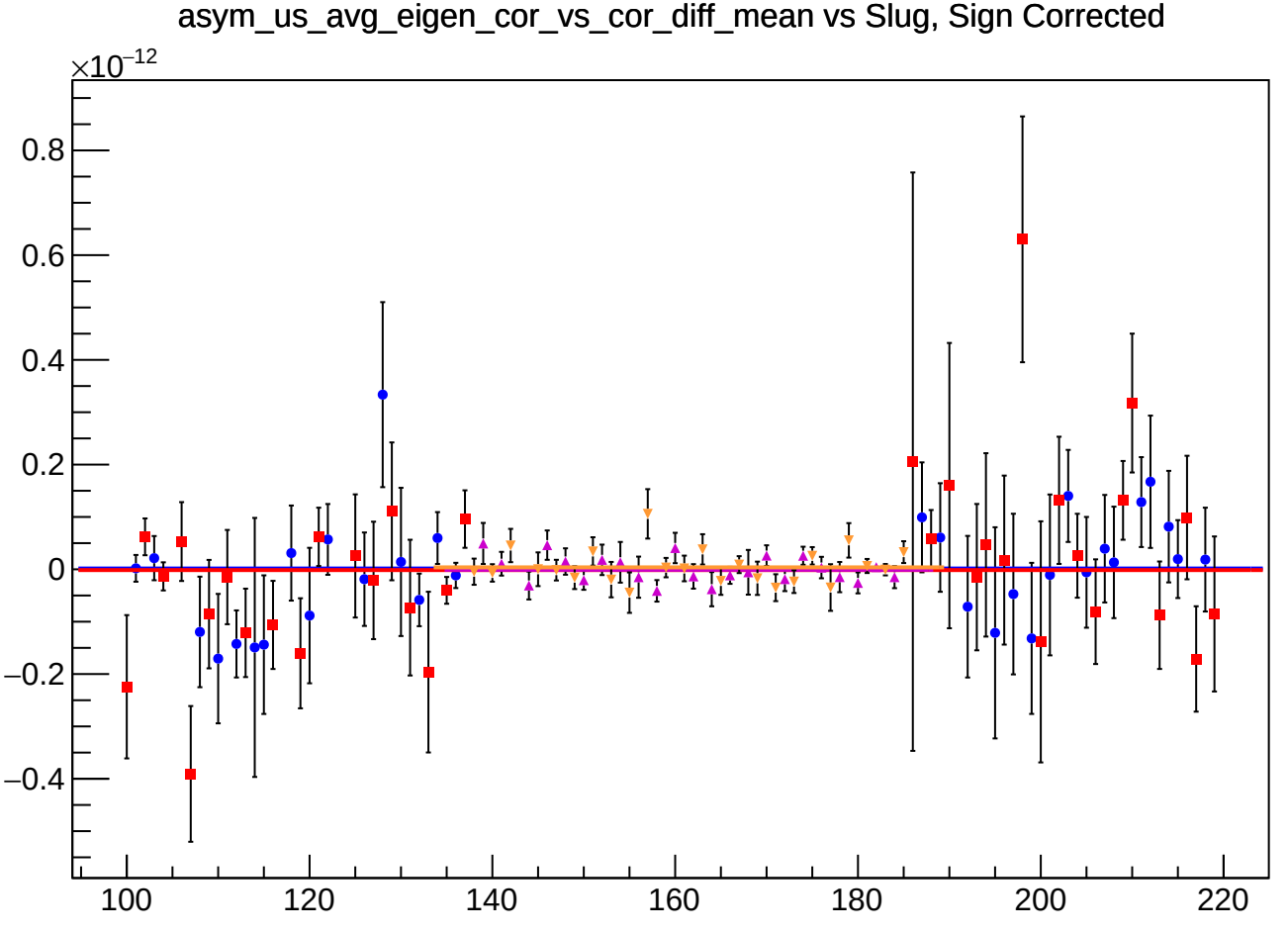
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 67.564+/-0.008 χ^2/NDF: 4801251.4/66

In: 74.059+/-0.009 χ^2/NDF:3943510.3/54

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

All: 74.245+/-0.006 χ^2/NDF: 9083073.8/113



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/31

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

Right Out: -0.000+/-0.000 χ^2/NDF: 56.5/34

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

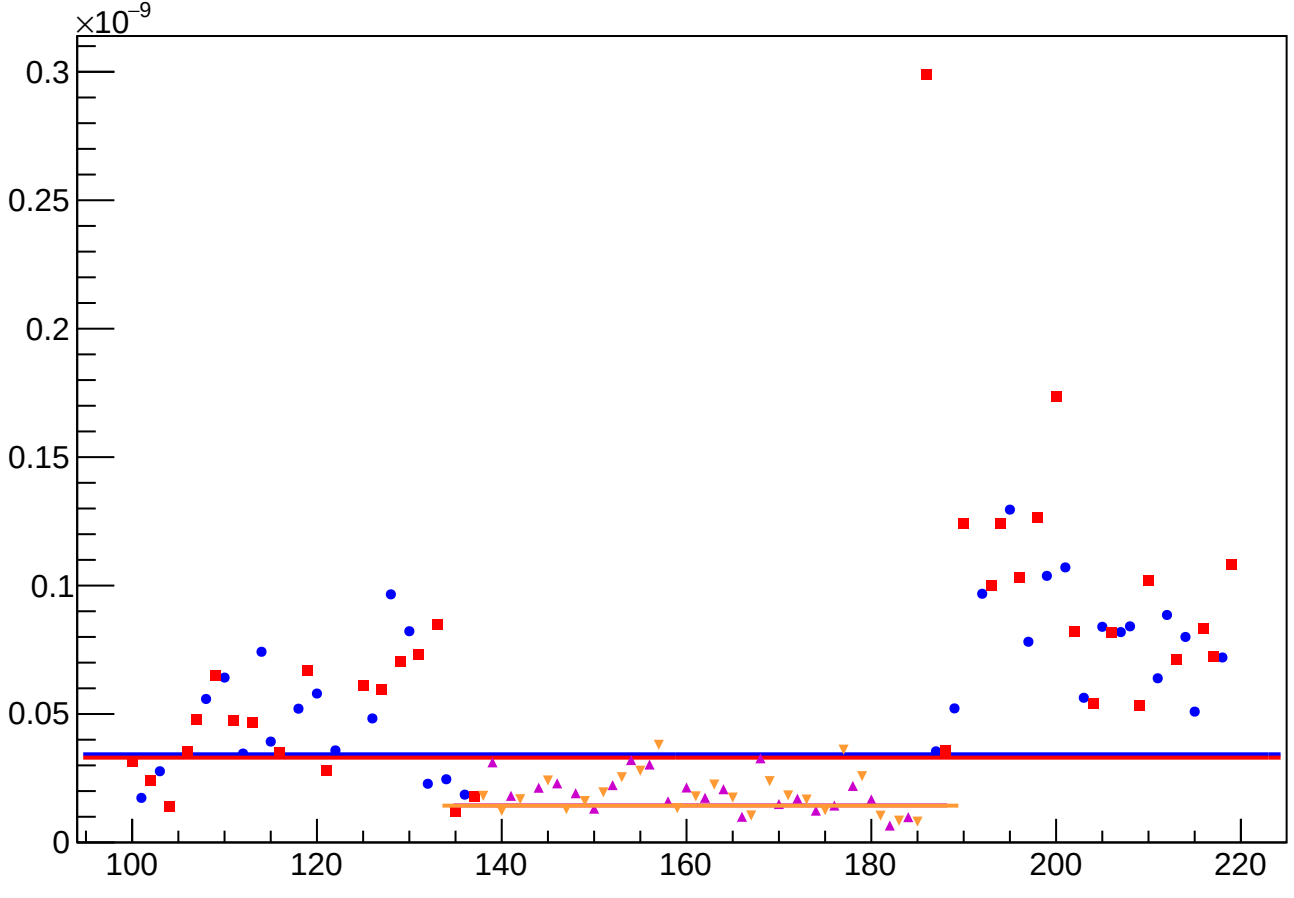
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: 0.000+/-0.000 χ^2/NDF: 84.6/66

In: -0.000+/-0.000 χ^2/NDF:51.8/54

Out: 0.000+/-0.000 χ^2/NDF:81.6/58

All: 0.000+/-0.000 χ^2/NDF: 133.8/113



Right In: 0.000+/-0.000 χ^2/NDF: 7692353.5/31

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

Right Out: 0.000+/-0.000 χ^2/NDF: 10213085.1/34

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

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

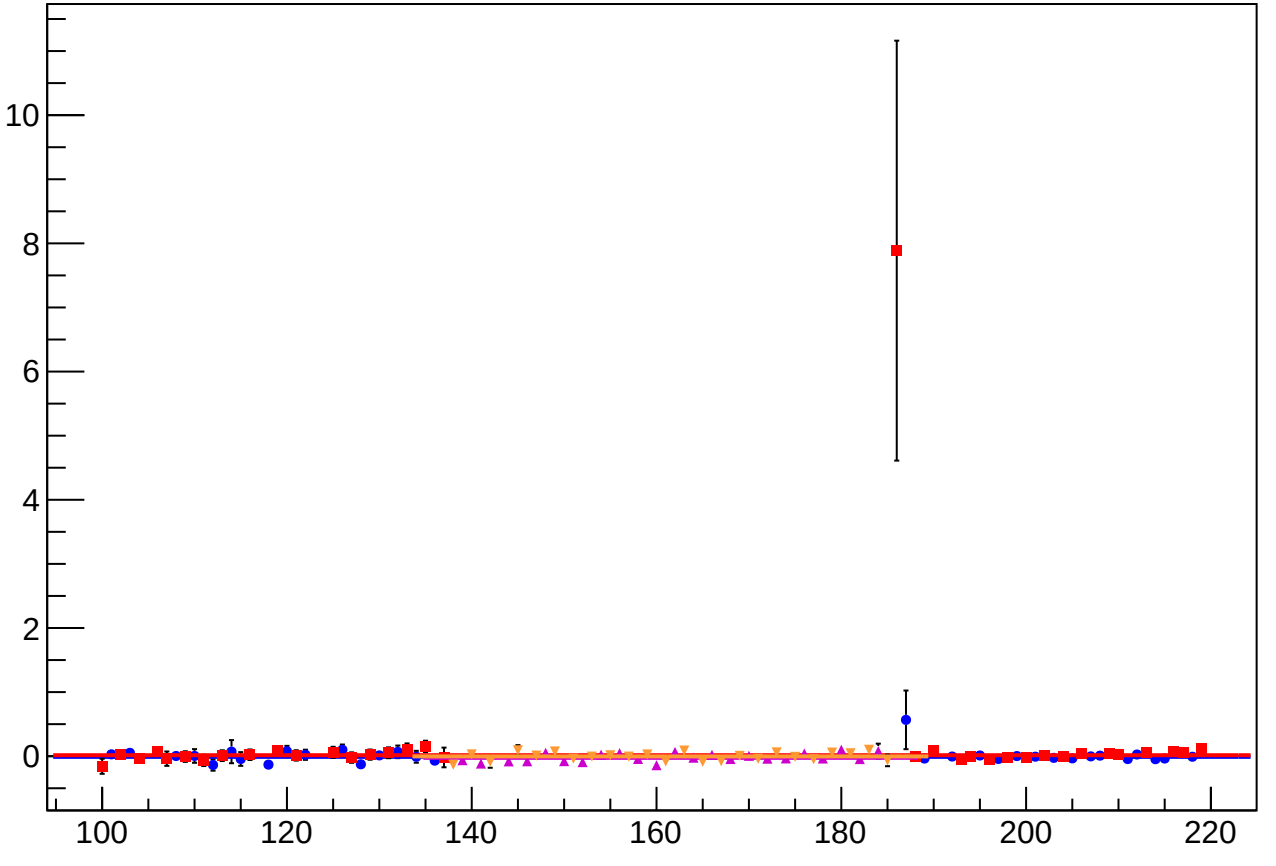
Right: 0.000+/-0.000 χ^2/NDF: 17917265.0/66

In: 0.000+/-0.000 χ^2/NDF:16859843.1/54

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

All: 0.000+/-0.000 χ^2/NDF: 34969261.1/113

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.007 χ^2/NDF: 25.2/31

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

Right Out: 0.015+/-0.007 χ^2/NDF: 49.6/34

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

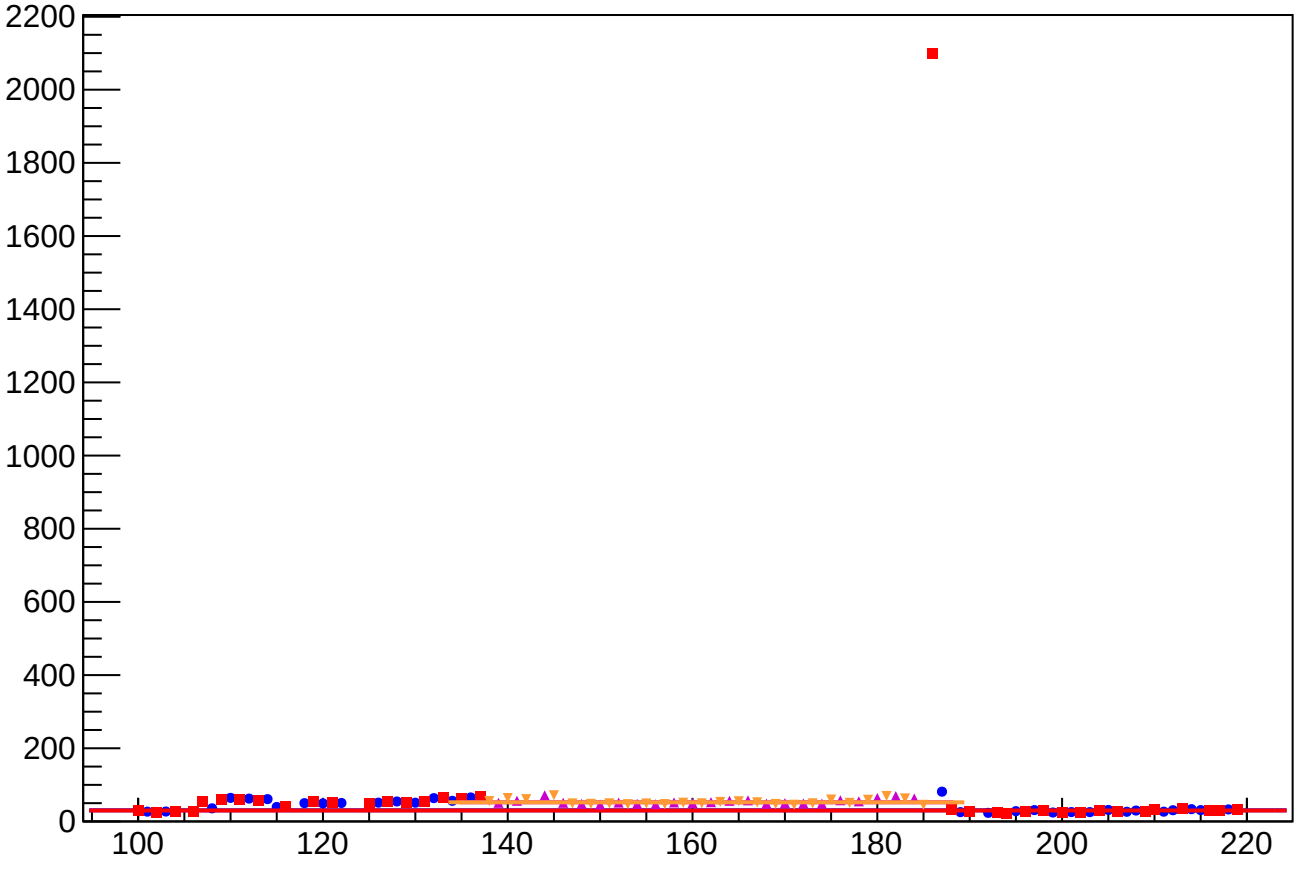
Right: 0.003+/-0.005 χ^2/NDF: 81.1/66

In: -0.014+/-0.006 χ^2/NDF:50.6/54

Out: 0.011+/-0.006 χ^2/NDF:74.4/58

All: -0.001+/-0.004 χ^2/NDF: 132.9/113

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.475+/-0.005 χ^2/NDF: 2891308.0/31

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

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

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

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

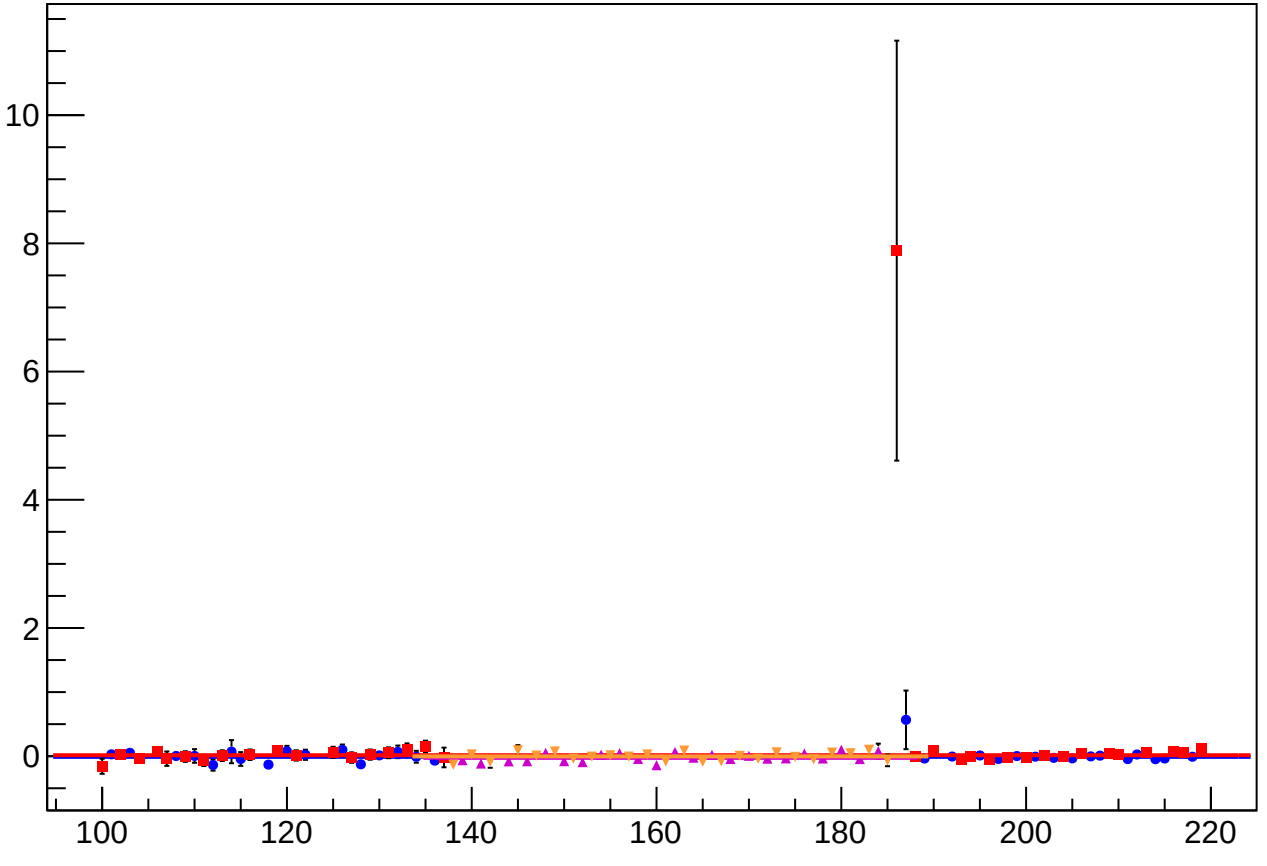
Right: 30.233+/-0.004 χ^2/NDF: 6780228.2/66

In: 36.052+/-0.004 χ^2/NDF:7956672.1/54

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

All: 35.770+/-0.003 χ^2/NDF: 17260228.7/113

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.007 χ^2/NDF: 25.2/31

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

Right Out: 0.015+/-0.007 χ^2/NDF: 49.6/34

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

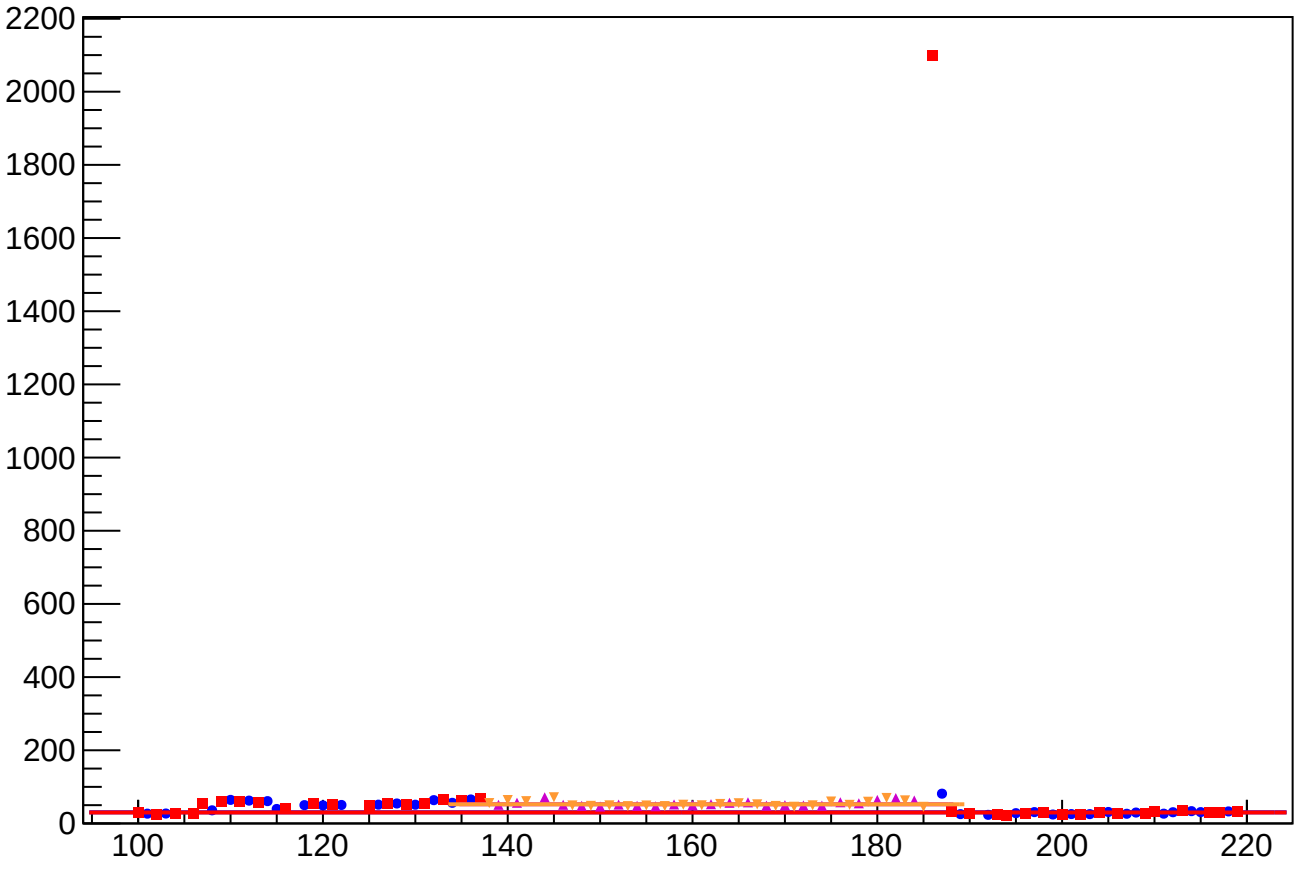
Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

Right: 0.003+/-0.005 χ^2/NDF: 81.1/66

In: -0.014+/-0.006 χ^2/NDF:50.6/54

Out: 0.011+/-0.006 χ^2/NDF:74.4/58

All: -0.001+/-0.004 χ^2/NDF: 132.9/113



Right In: 30.475+/-0.005 χ^2/NDF: 2891308.0/31

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

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

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

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

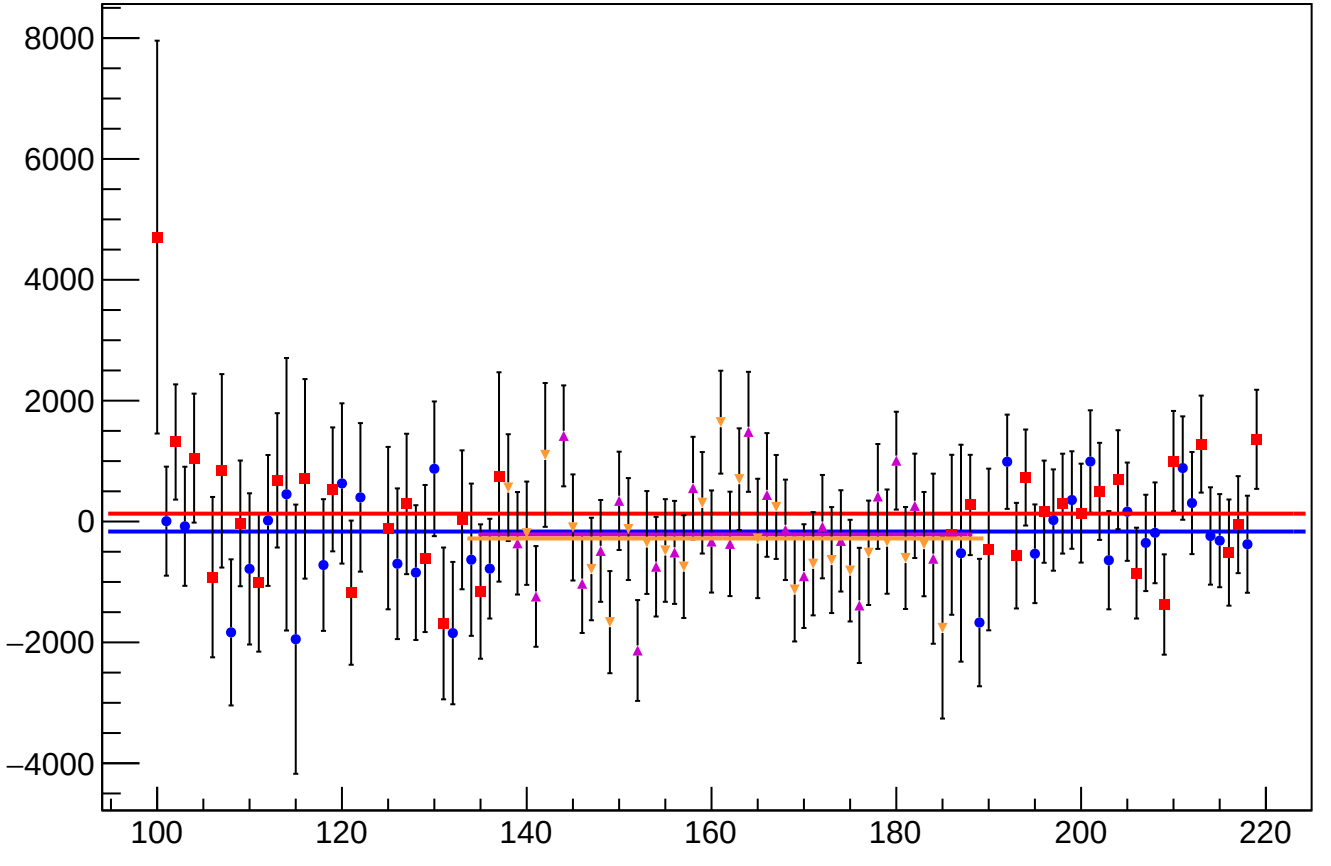
Right: 30.233+/-0.004 χ^2/NDF: 6780228.2/66

In: 36.052+/-0.004 χ^2/NDF:7956672.1/54

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

All: 35.770+/-0.003 χ^2/NDF: 17260228.7/113

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -165.692+/-170.839 χ^2/NDF: 17.2/31

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

Right Out: 130.475+/-167.878 χ^2/NDF: 25.0/34

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

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

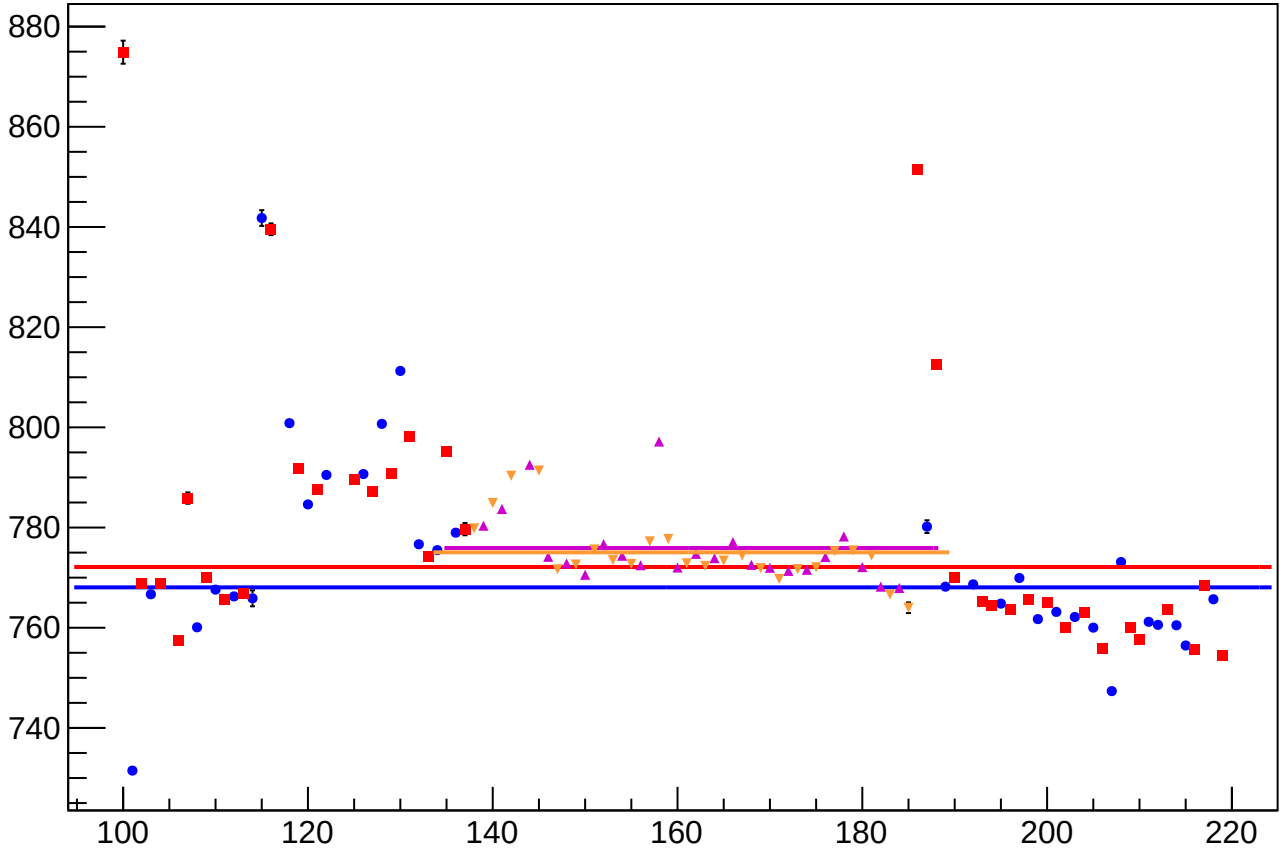
Right: -15.019+/-119.741 χ^2/NDF: 43.8/66

In: -188.159+/-124.293 χ^2/NDF:39.6/54

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

All: -123.665+/-87.331 χ^2/NDF: 84.0/113

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 768.061+/-0.121 χ^2/NDF: 17253.0/31

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

Right Out: 772.124+/-0.119 χ^2/NDF: 27185.3/34

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

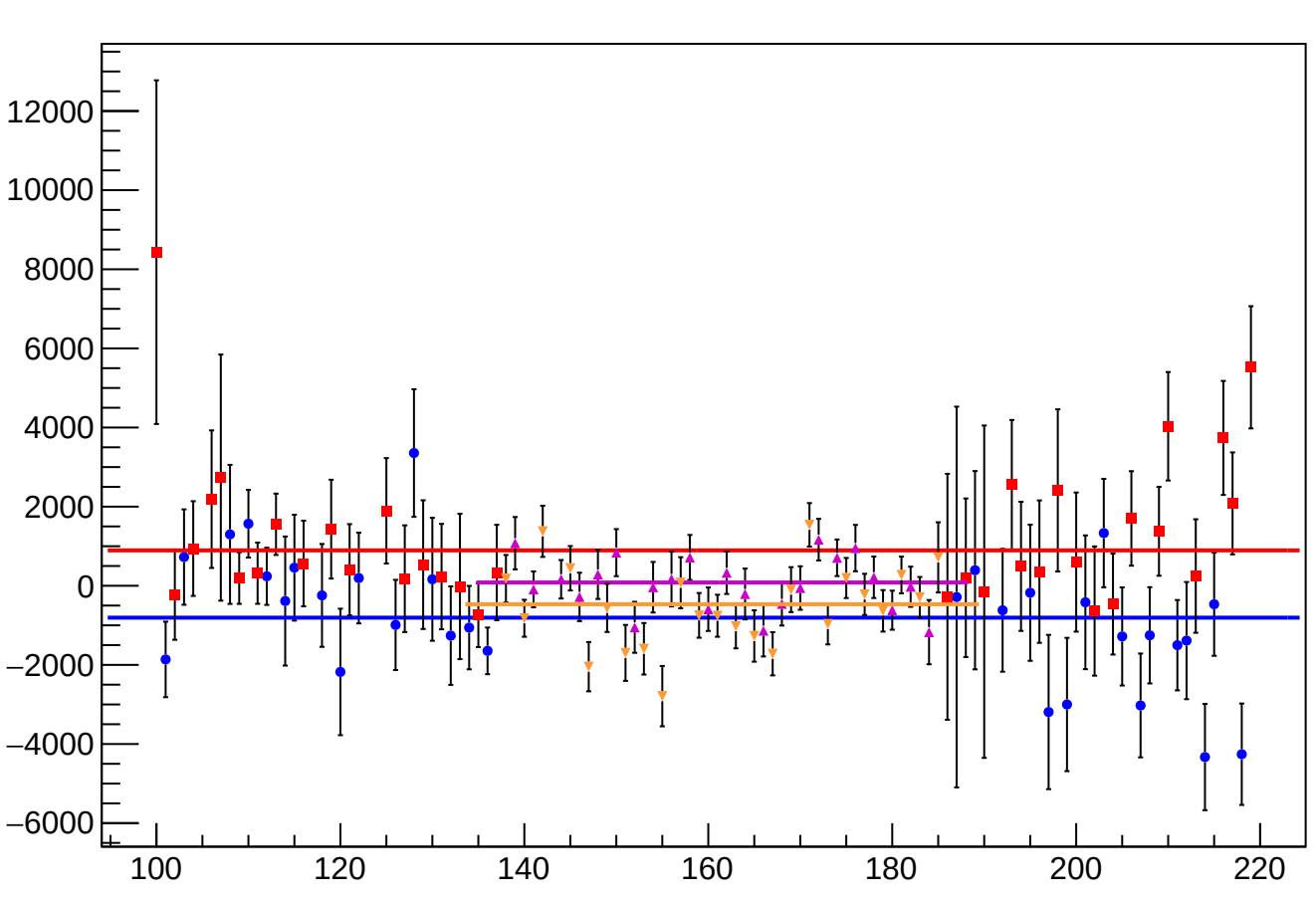
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 770.128+/-0.085 χ^2/NDF: 45013.6/66

In: 771.761+/-0.088 χ^2/NDF:22218.9/54

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

All: 772.634+/-0.062 χ^2/NDF: 51833.2/113



Right In: -806.121+/-216.200 χ^2/NDF: 49.9/31

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

Right Out: 893.869+/-215.676 χ^2/NDF: 37.4/34

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

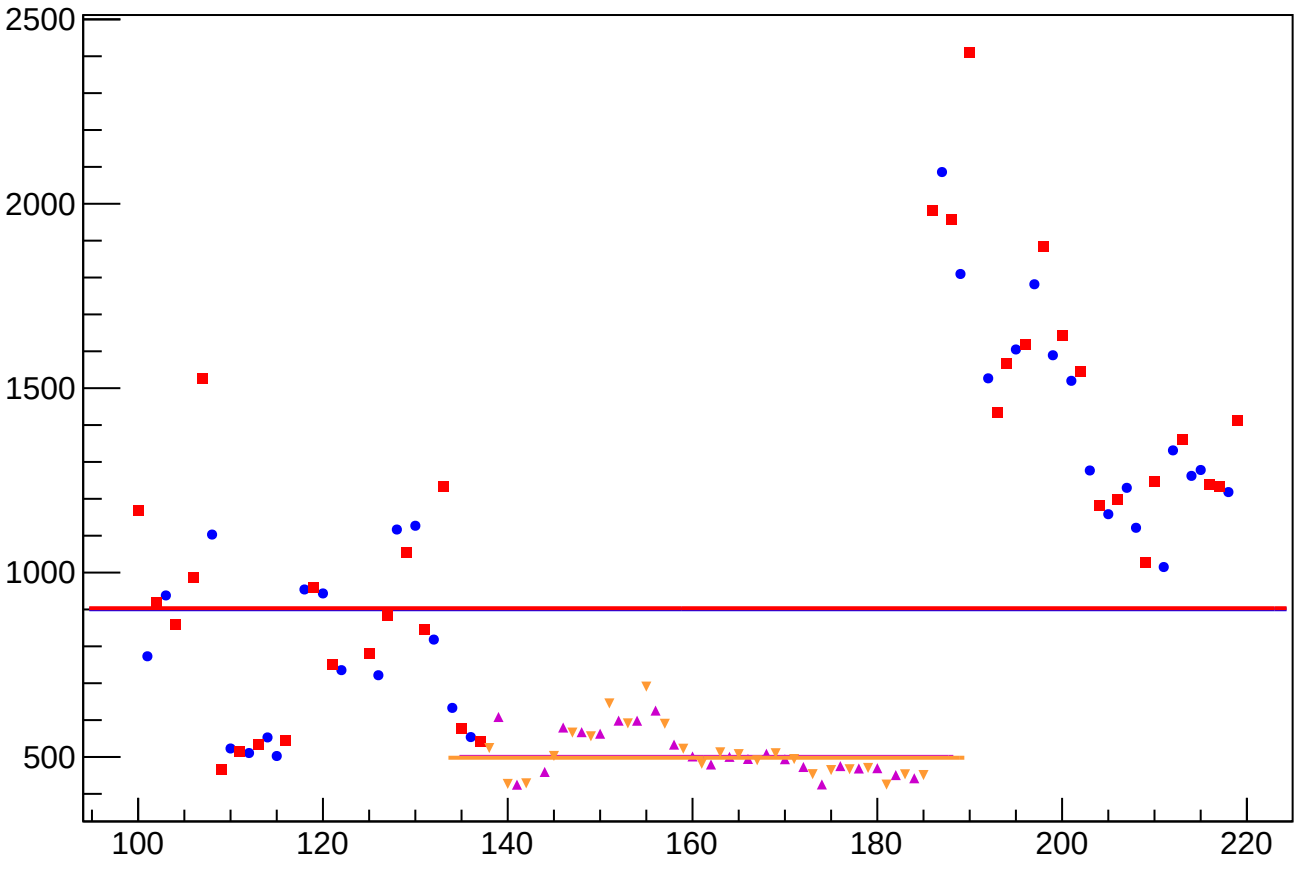
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 45.936+/-152.691 χ^2/NDF: 118.3/66

In: -120.438+/-103.447 χ^2/NDF:91.1/54

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

All: -139.802+/-72.863 χ^2/NDF: 223.8/113



Right In: 900.608+/-0.153 χ^2/NDF: 5415645.4/31

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

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

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

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

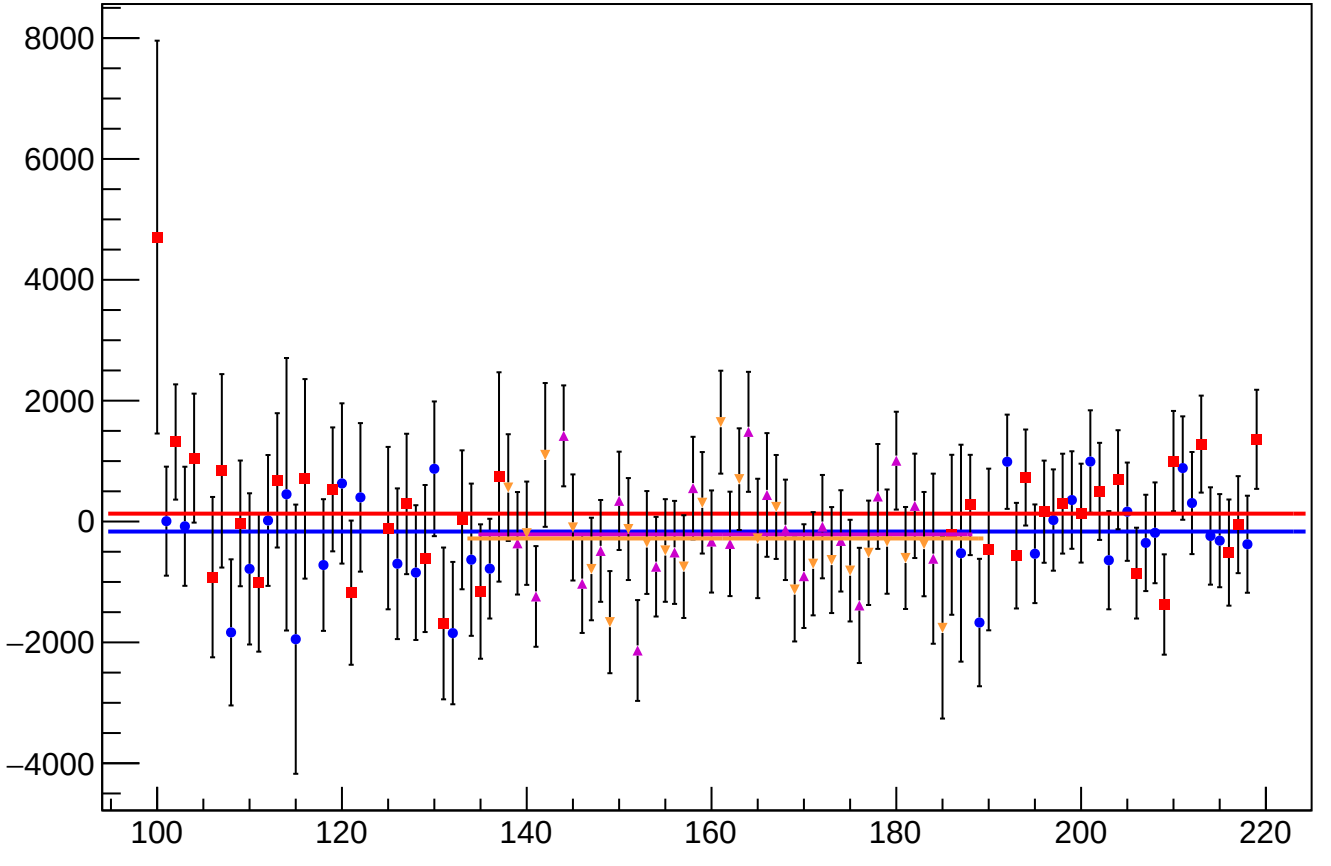
Right: 901.973+/-0.108 χ^2/NDF: 12290434.6/66

In: 591.952+/-0.073 χ^2/NDF:11179662.4/54

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

All: 590.860+/-0.052 χ^2/NDF: 24046553.2/11

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -165.692+/-170.839 χ^2/NDF: 17.2/31

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

Right Out: 130.475+/-167.878 χ^2/NDF: 25.0/34

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

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

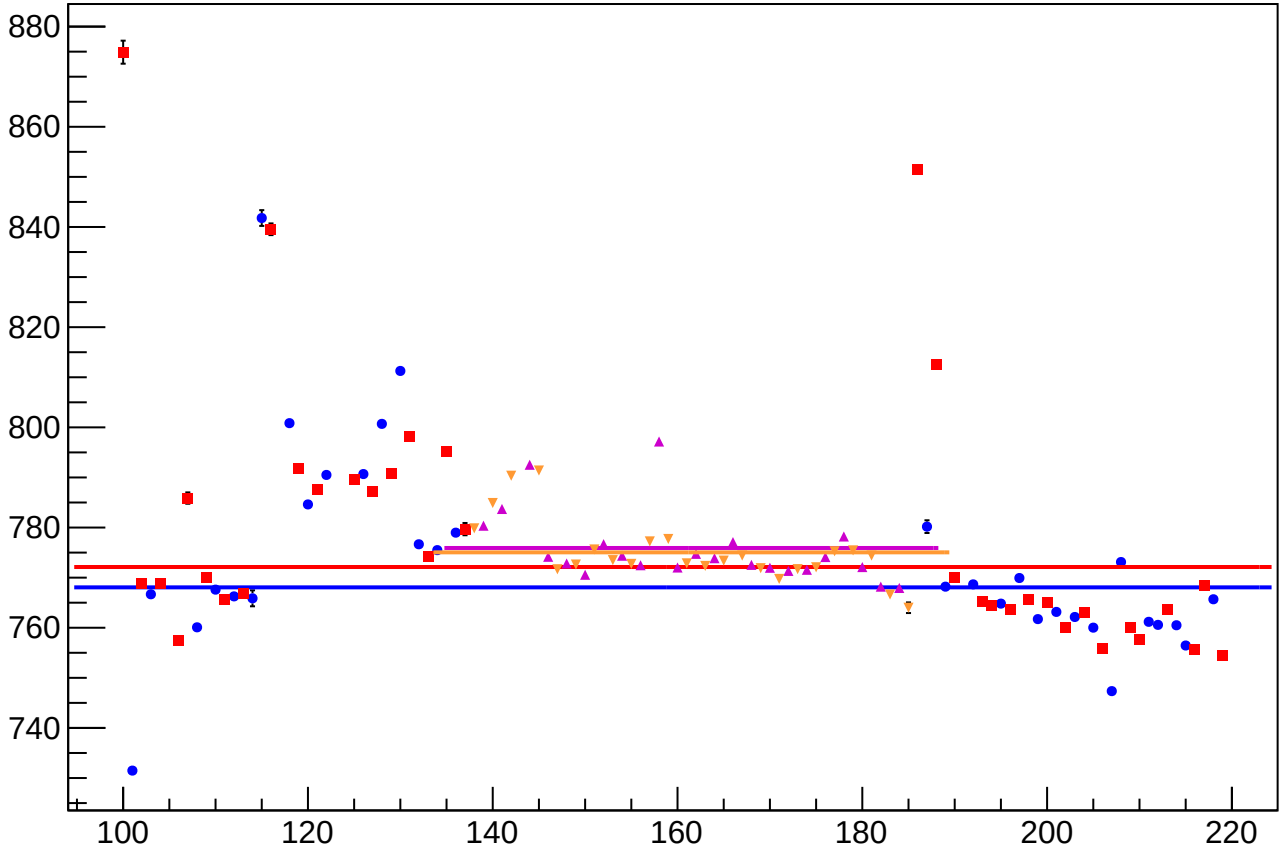
Right: -15.019+/-119.741 χ^2/NDF: 43.8/66

In: -188.159+/-124.293 χ^2/NDF:39.6/54

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

All: -123.665+/-87.331 χ^2/NDF: 84.0/113

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 768.061+/-0.121 χ^2/NDF: 17253.0/31

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

Right Out: 772.124+/-0.119 χ^2/NDF: 27185.3/34

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

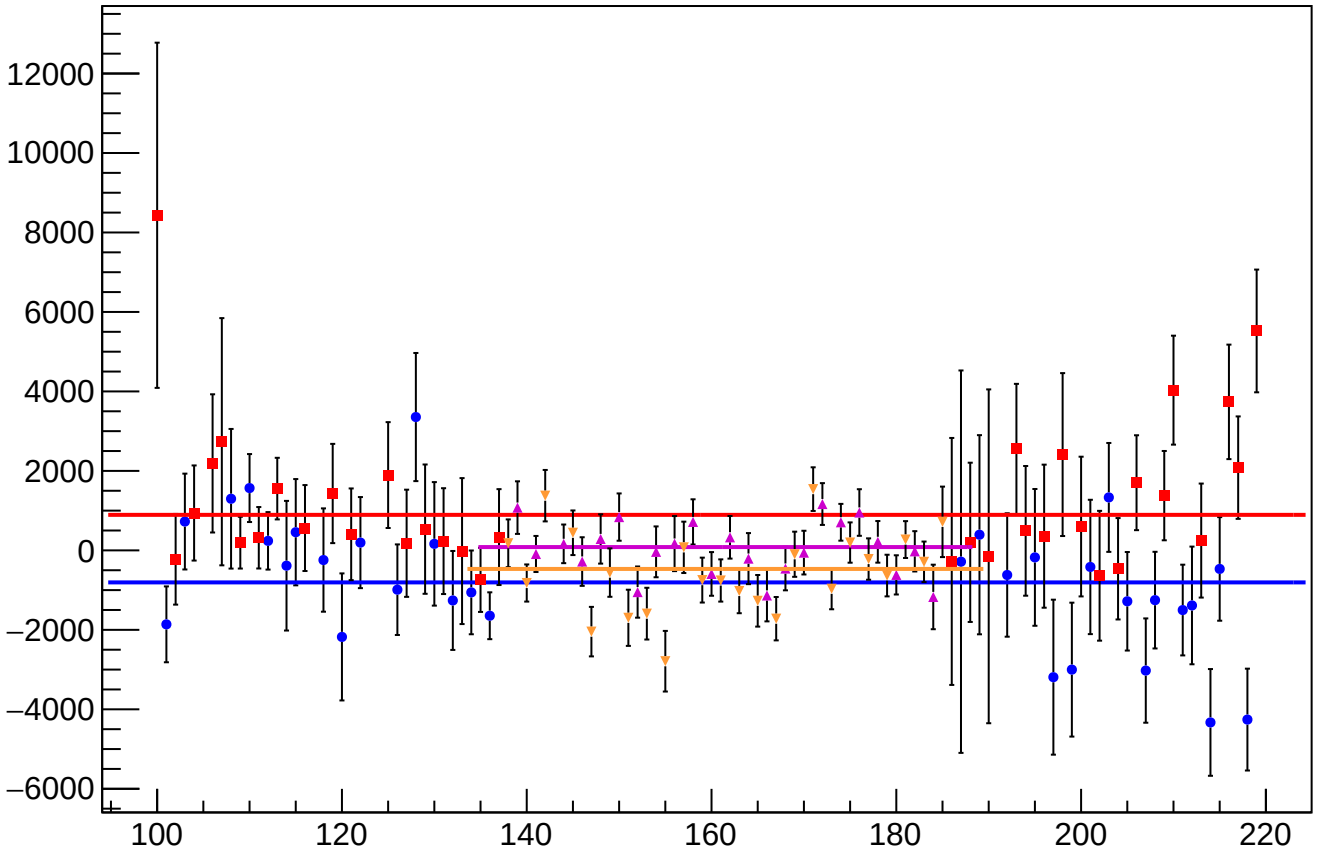
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 770.128+/-0.085 χ^2/NDF: 45013.6/66

In: 771.761+/-0.088 χ^2/NDF:22218.9/54

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

All: 772.634+/-0.062 χ^2/NDF: 51833.2/113



Right In: -806.121+/-216.200 χ^2/NDF: 49.9/31

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

Right Out: 893.869+/-215.676 χ^2/NDF: 37.4/34

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

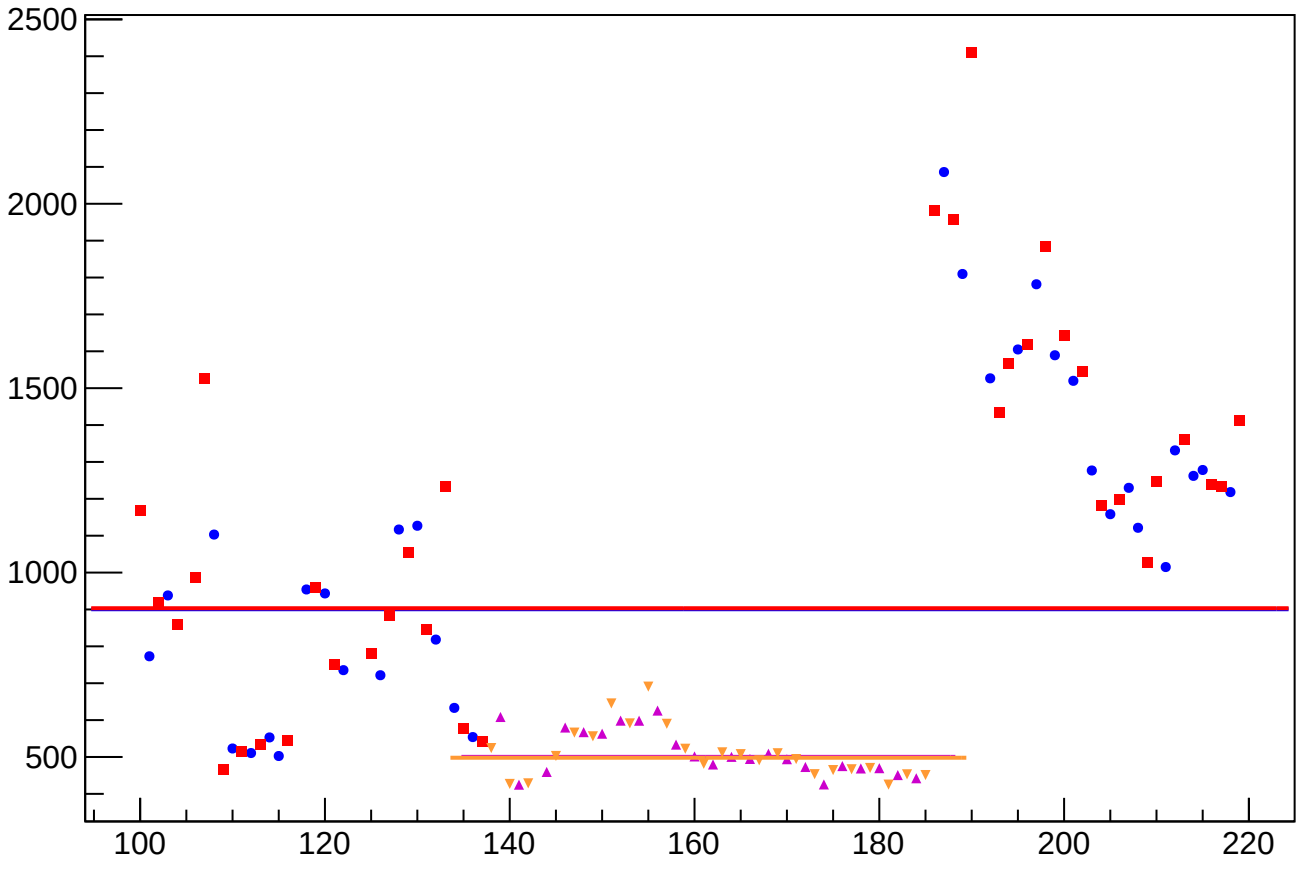
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 45.936+/-152.691 χ^2/NDF: 118.3/66

In: -120.438+/-103.447 χ^2/NDF:91.1/54

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

All: -139.802+/-72.863 χ^2/NDF: 223.8/113



Right In: 900.608+/-0.153 χ^2/NDF: 5415645.4/31

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

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

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

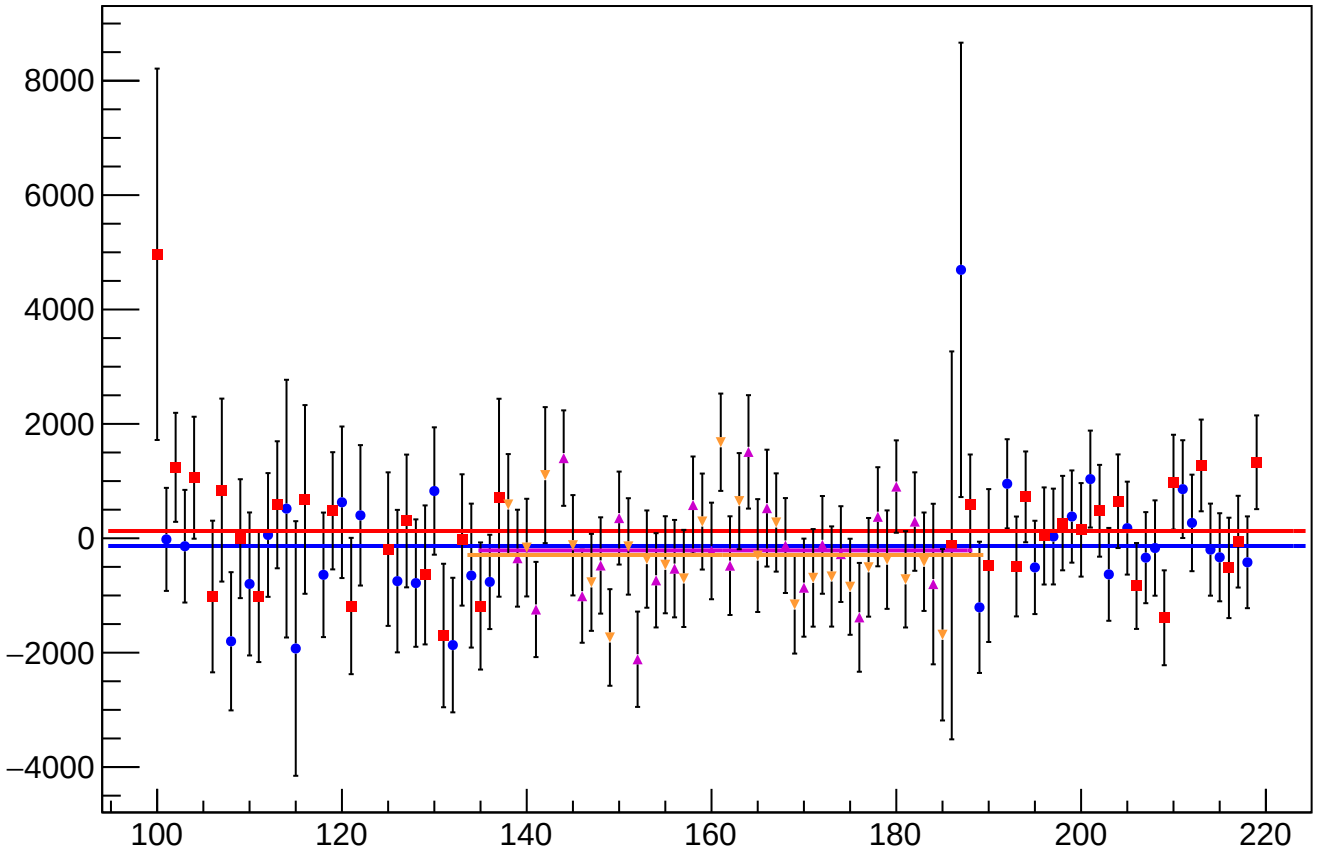
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 901.973+/-0.108 χ^2/NDF: 12290434.6/66

In: 591.952+/-0.073 χ^2/NDF:11179662.4/54

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

All: 590.860+/-0.052 χ^2/NDF: 24046553.2/11



Right In: -134.791+/-171.669 χ^2/NDF: 17.2/31

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

Right Out: 127.431+/-169.279 χ^2/NDF: 25.1/34

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

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

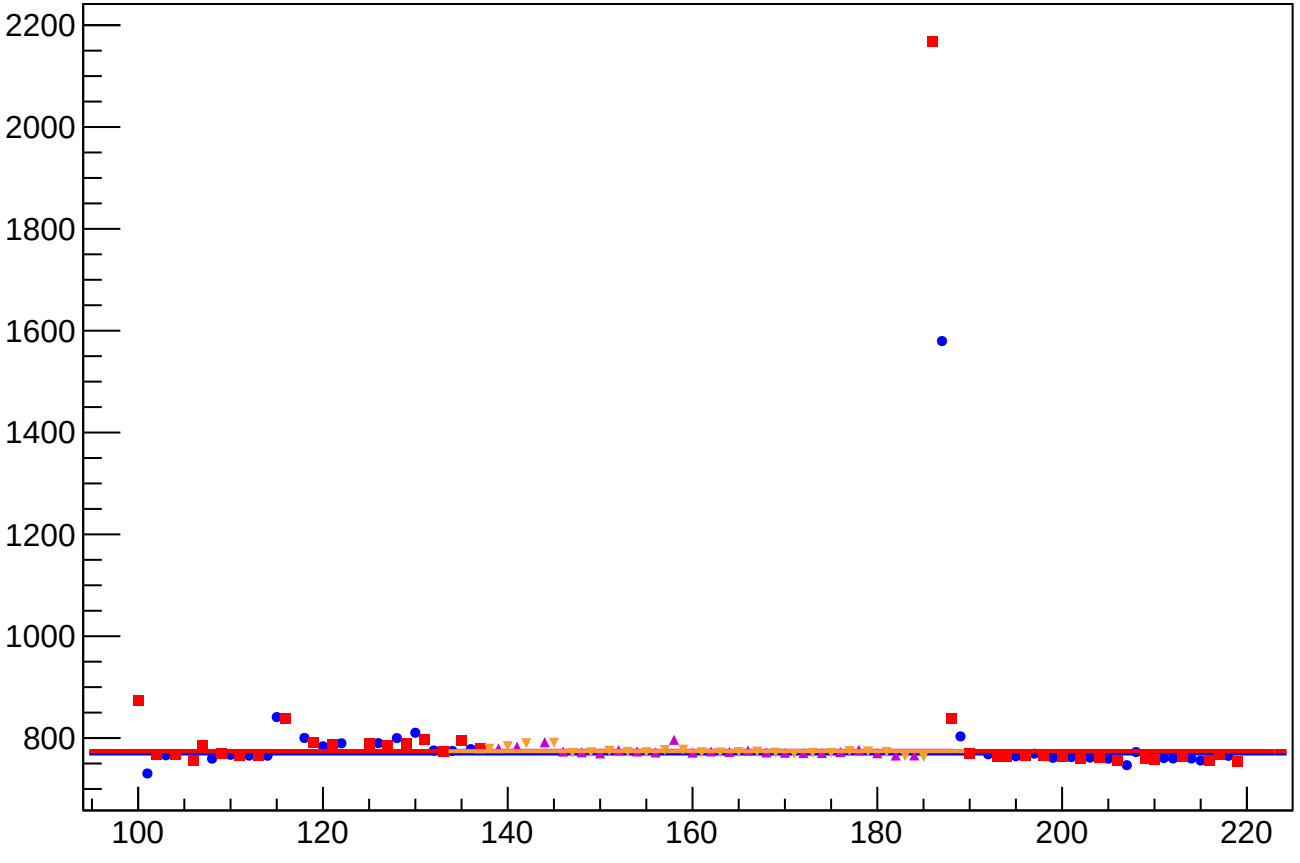
Right: -1.842+/-120.534 χ^2/NDF: 43.4/66

In: -171.004+/-124.540 χ^2/NDF:39.4/54

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

All: -119.869+/-87.588 χ^2/NDF: 84.3/113

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 769.610+/-0.121 χ^2/NDF: 102423.9/31

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

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

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

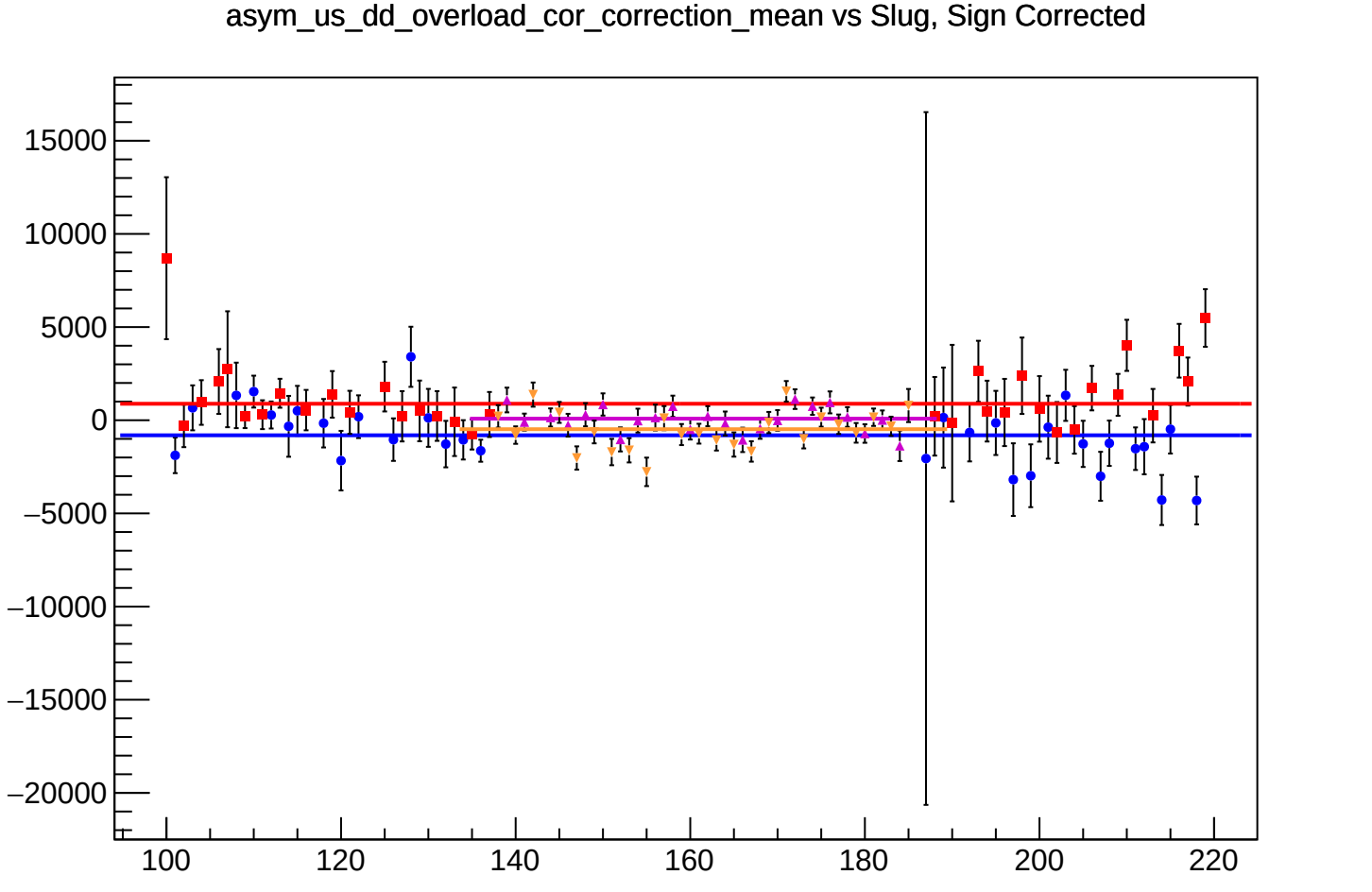
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 772.122+/-0.085 χ^2/NDF: 468167.4/66

In: 772.158+/-0.088 χ^2/NDF:106502.5/54

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

All: 773.274+/-0.062 χ^2/NDF: 473785.0/113



Right In: -807.945+/-216.737 χ^2/NDF: 49.9/31

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

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

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

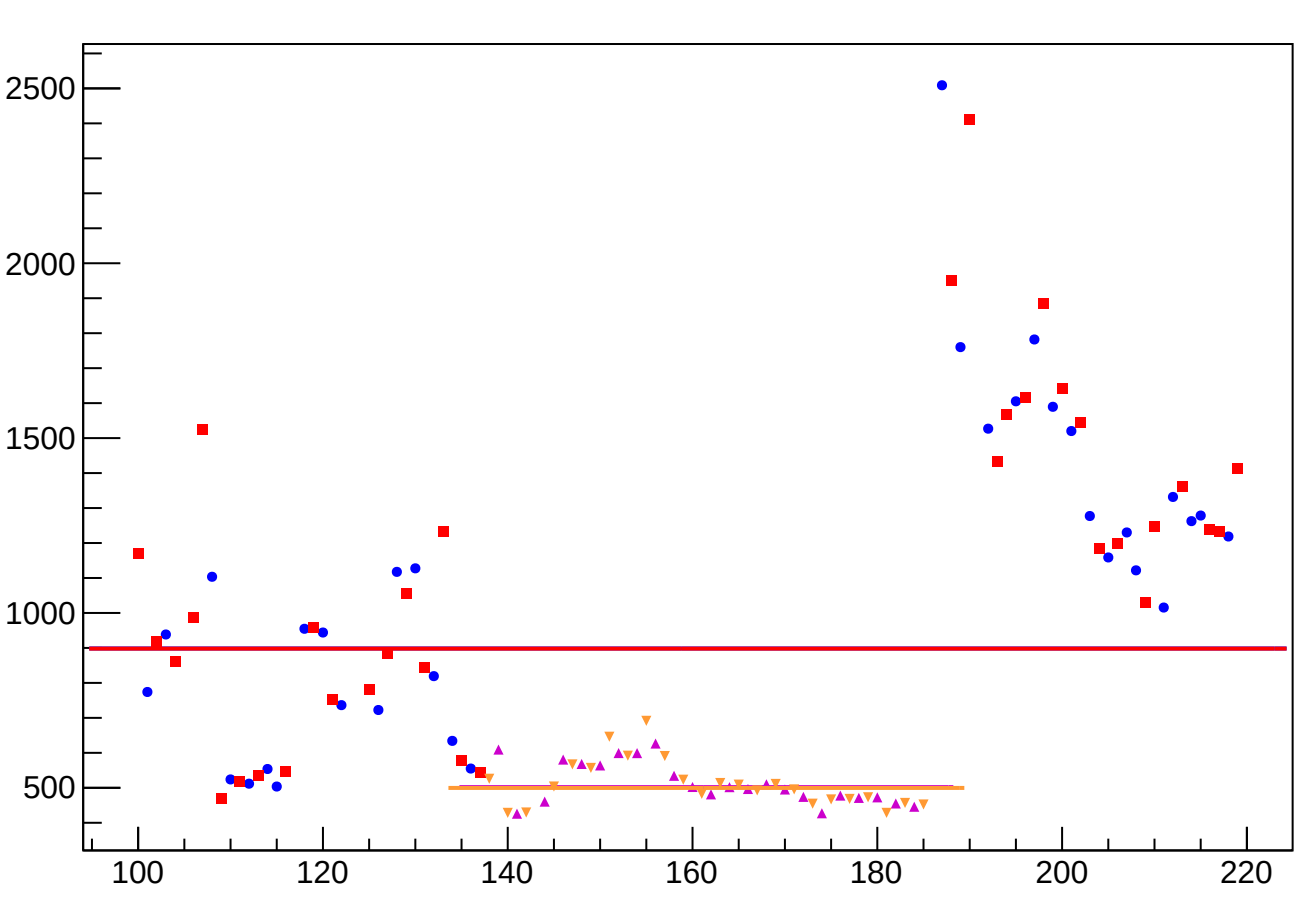
Left: -201.704+/-83.183 χ^2/NDF: 103.3/46

Right: 38.645+/-153.196 χ^2/NDF: 117.6/65

In: -121.072+/-103.767 χ^2/NDF:91.2/54

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

All: -146.976+/-73.102 χ^2/NDF: 222.8/112



Right In: 898.416+/-0.153 χ^2/NDF: 5232651.1/31

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

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

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

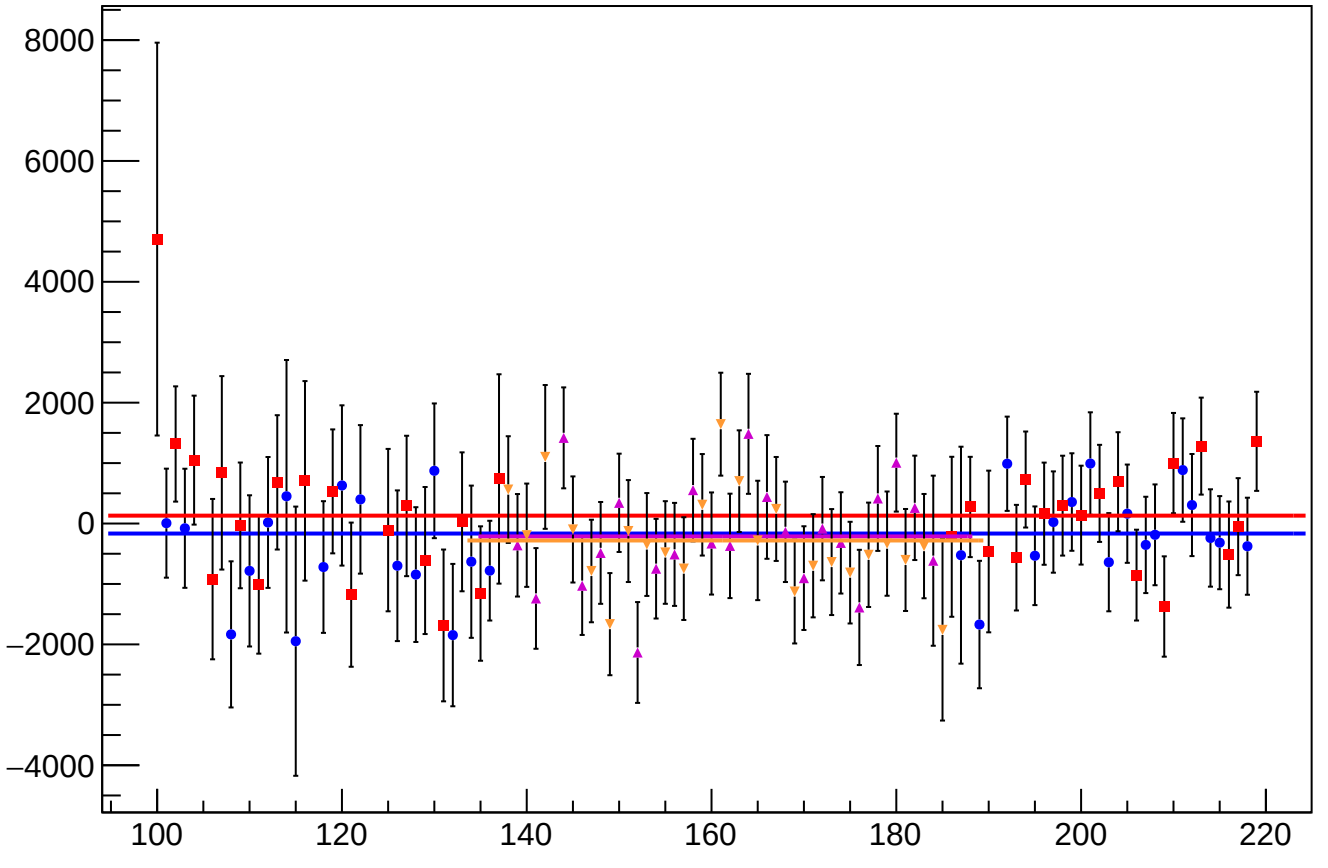
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

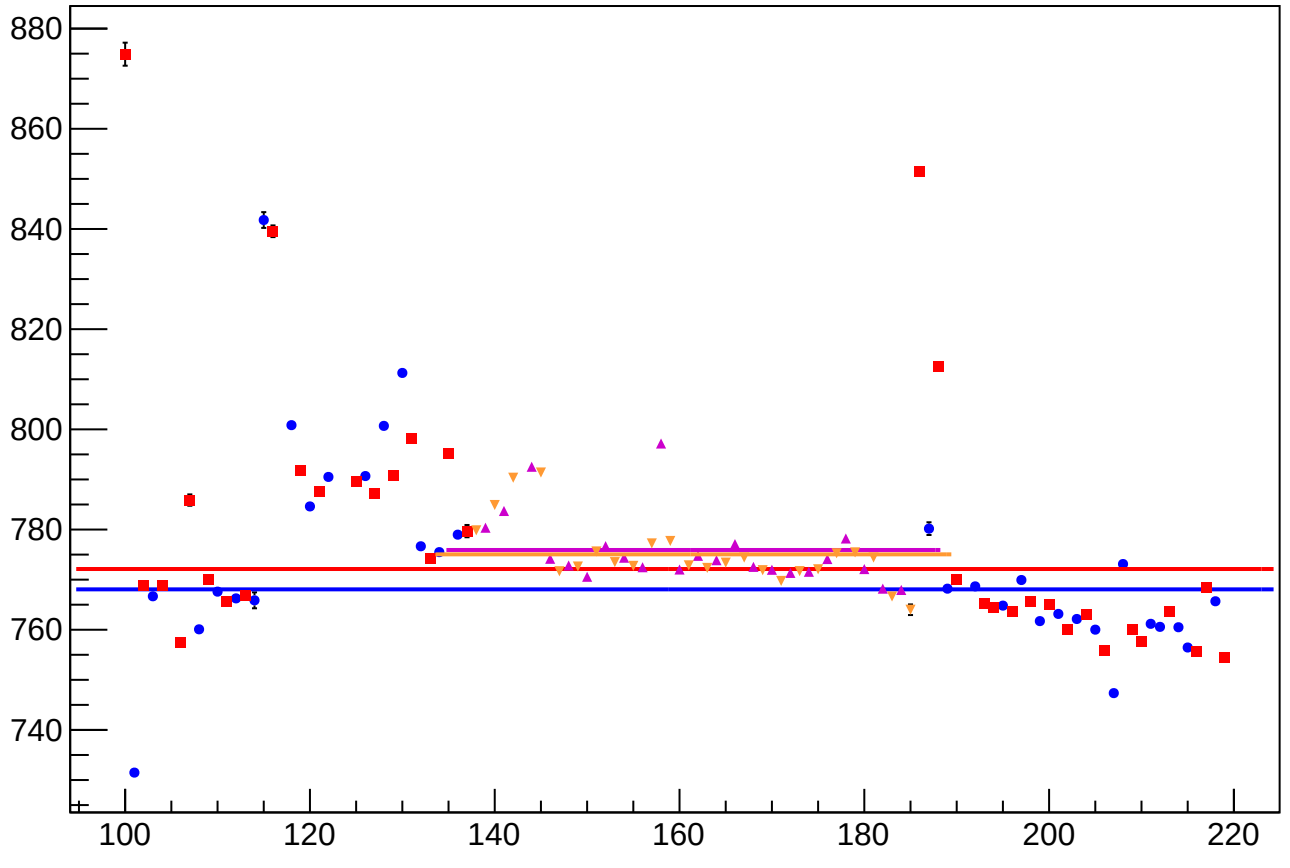
Right: 898.216+/-0.108 χ^2/NDF: 11777754.0/65

In: 592.887+/-0.073 χ^2/NDF:10856401.3/54

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

All: 591.321+/-0.052 χ^2/NDF: 23154698.4/11


eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -165.692+/-170.839 χ²/NDF: 17.2/31
Left Out: -280.364+/-179.881 χ²/NDF:16.1/23
Right Out: 130.475+/-167.878 χ²/NDF: 25.0/34
Left In: -213.425+/-181.168 χ²/NDF:22.4/22
Left: -247.133+/-127.647 χ²/NDF: 38.5/46
Right: -15.019+/-119.741 χ²/NDF: 43.8/66
In: -188.159+/-124.293 χ²/NDF:39.6/54
Out: -60.782+/-122.732 χ²/NDF:43.9/58
All: -123.665+/-87.331 χ²/NDF: 84.0/113



Right In: 768.061+/-0.121 χ^2/NDF: 17253.0/31

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

Right Out: 772.124+/-0.119 χ^2/NDF: 27185.3/34

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

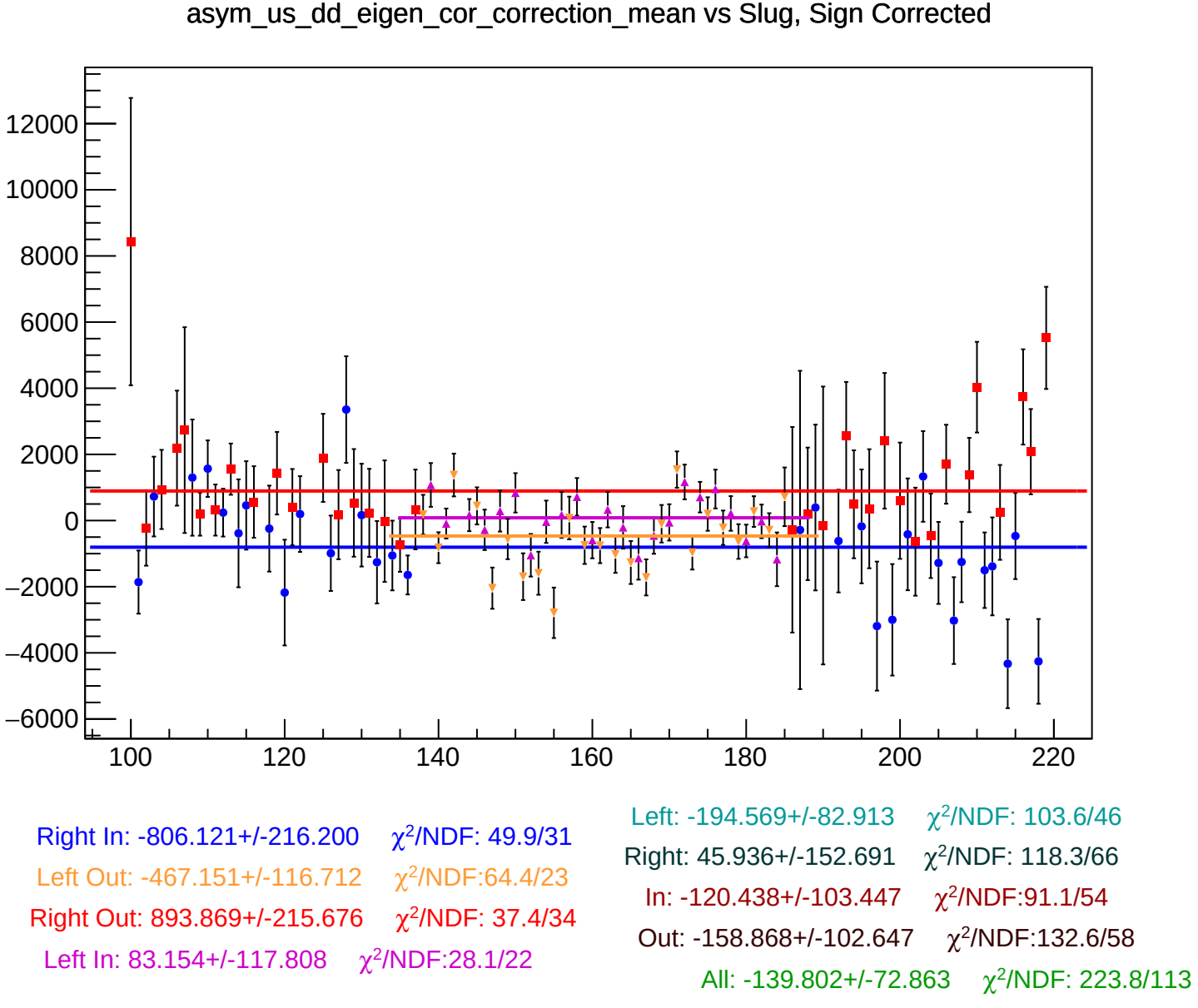
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

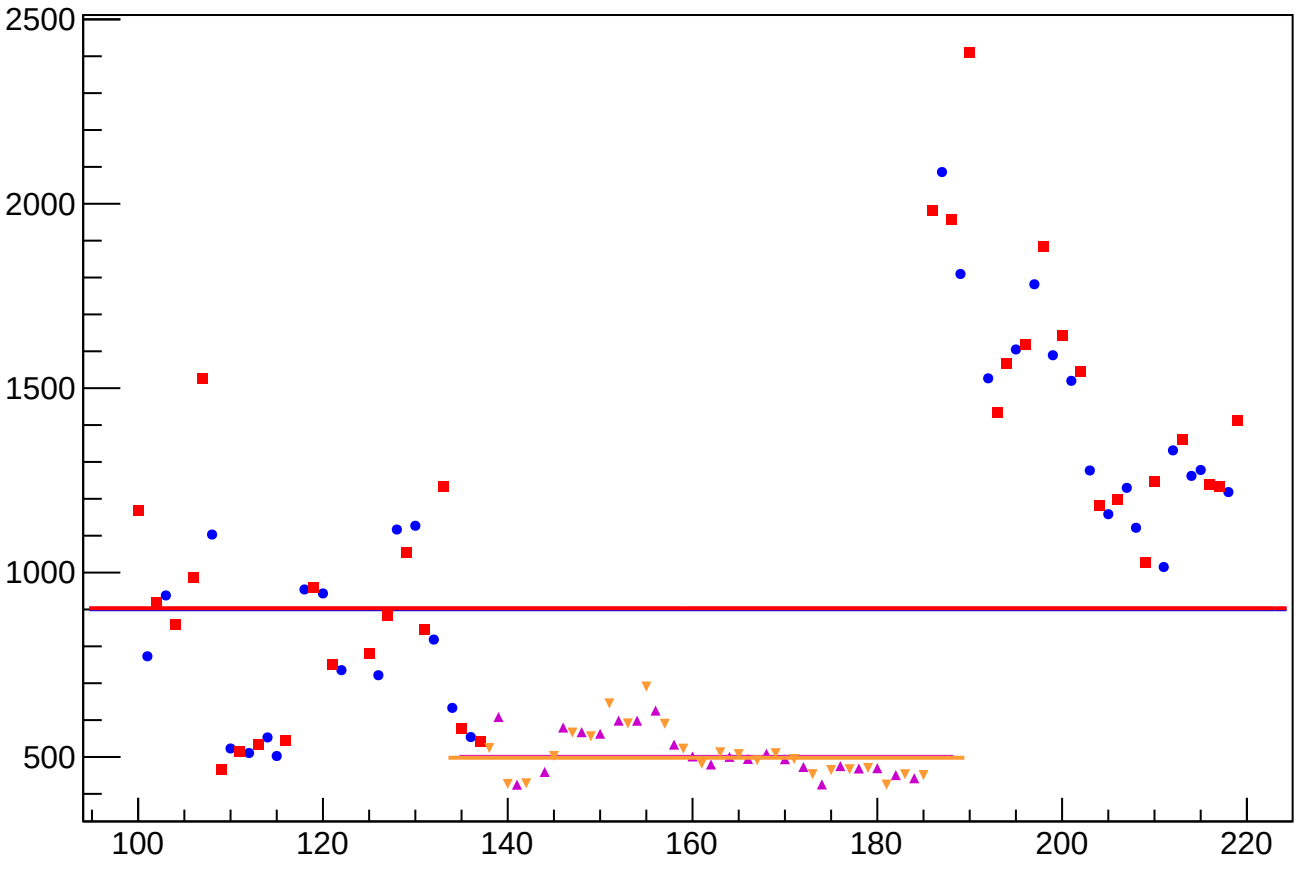
Right: 770.128+/-0.085 χ^2/NDF: 45013.6/66

In: 771.761+/-0.088 χ^2/NDF:22218.9/54

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

All: 772.634+/-0.062 χ^2/NDF: 51833.2/113


asym_us_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
220
Right In: -806.121+/-216.200 χ²/NDF: 49.9/31
Left Out: -467.151+/-116.712 χ²/NDF:64.4/23
Right Out: 893.869+/-215.676 χ²/NDF: 37.4/34
Left In: 83.154+/-117.808 χ²/NDF:28.1/22
Left: -194.569+/-82.913 χ²/NDF: 103.6/46
Right: 45.936+/-152.691 χ²/NDF: 118.3/66
In: -120.438+/-103.447 χ²/NDF:91.1/54
Out: -158.868+/-102.647 χ²/NDF:132.6/58
All: -139.802+/-72.863 χ²/NDF: 223.8/113



Right In: 900.608+/-0.153 χ^2/NDF: 5415645.4/31

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

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

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

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

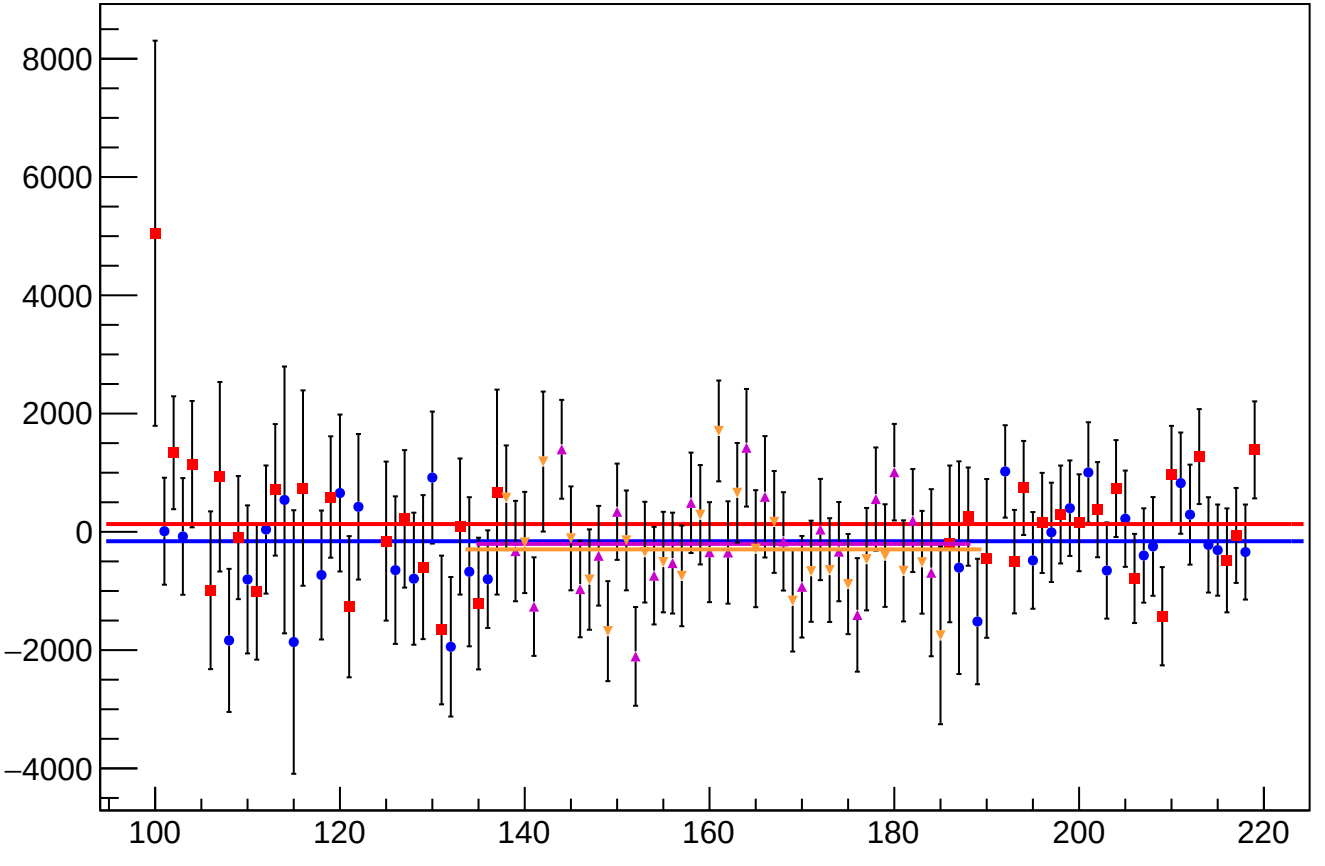
Right: 901.973+/-0.108 χ^2/NDF: 12290434.6/66

In: 591.952+/-0.073 χ^2/NDF:11179662.4/54

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

All: 590.860+/-0.052 χ^2/NDF: 24046553.2/11

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -158.638+/-171.034 χ^2/NDF: 17.2/31

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

Right Out: 131.539+/-168.070 χ^2/NDF: 25.7/34

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

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

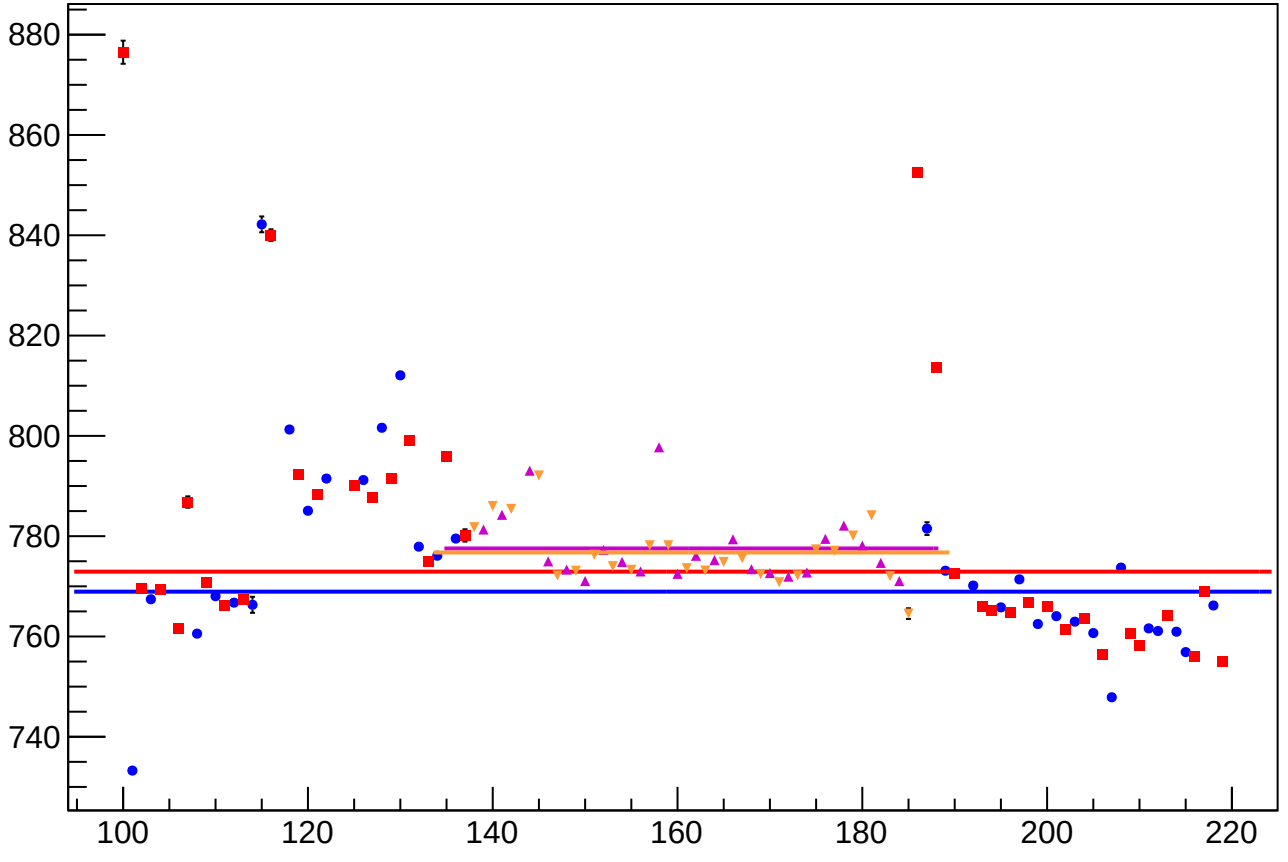
Right: -11.014+/-119.878 χ^2/NDF: 44.4/66

In: -179.657+/-124.490 χ^2/NDF:39.3/54

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

All: -122.934+/-87.472 χ^2/NDF: 85.2/113

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 768.936+/-0.121 χ^2/NDF: 17136.4/31

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

Right Out: 772.927+/-0.119 χ^2/NDF: 27167.9/34

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

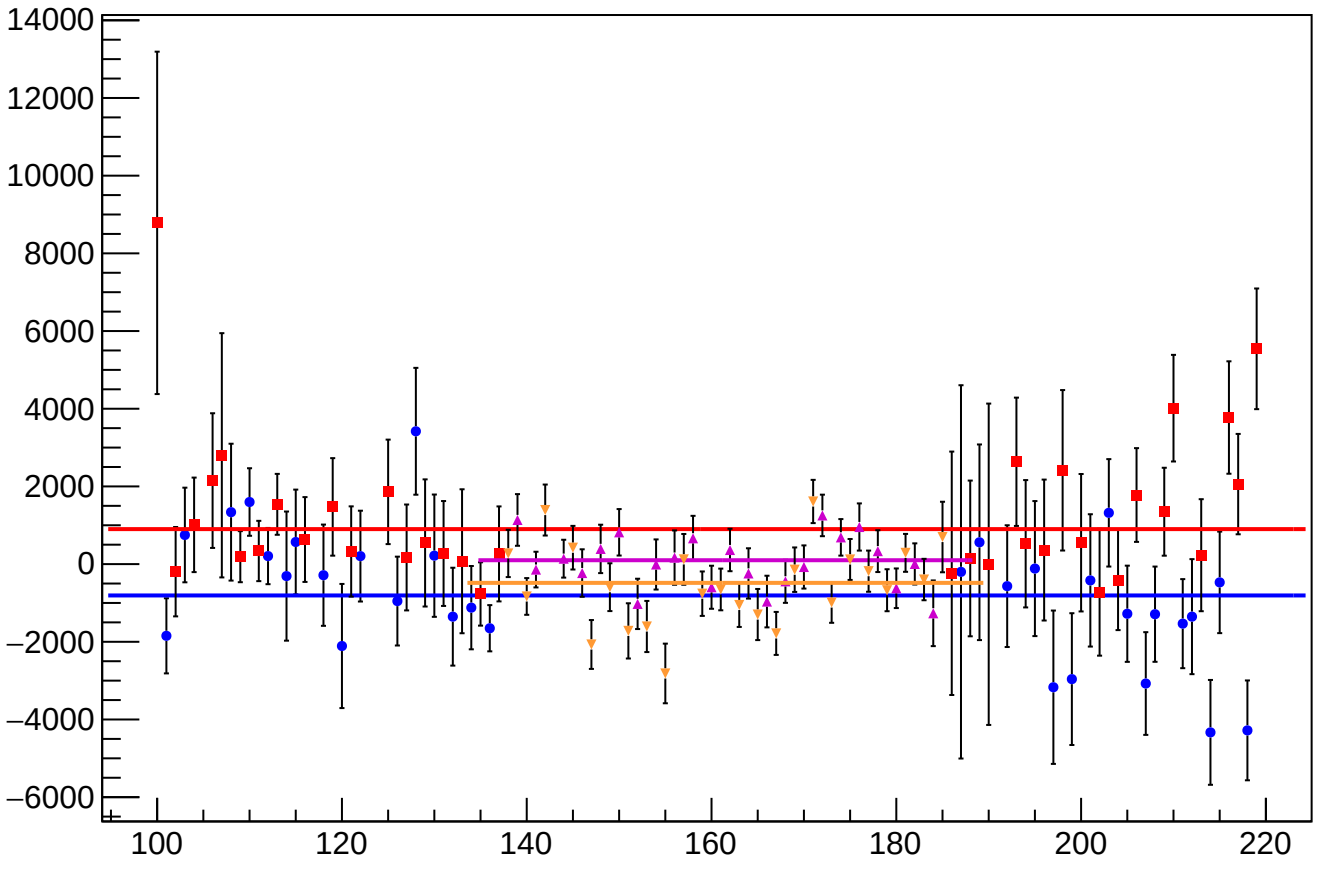
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 770.966+/-0.085 χ^2/NDF: 44858.1/66

In: 772.986+/-0.088 χ^2/NDF:22272.3/54

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

All: 773.856+/-0.062 χ^2/NDF: 51941.0/113



Right In: -806.971+/-217.985 χ^2/NDF: 49.9/31

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

Right Out: 901.061+/-217.370 χ^2/NDF: 37.5/34

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

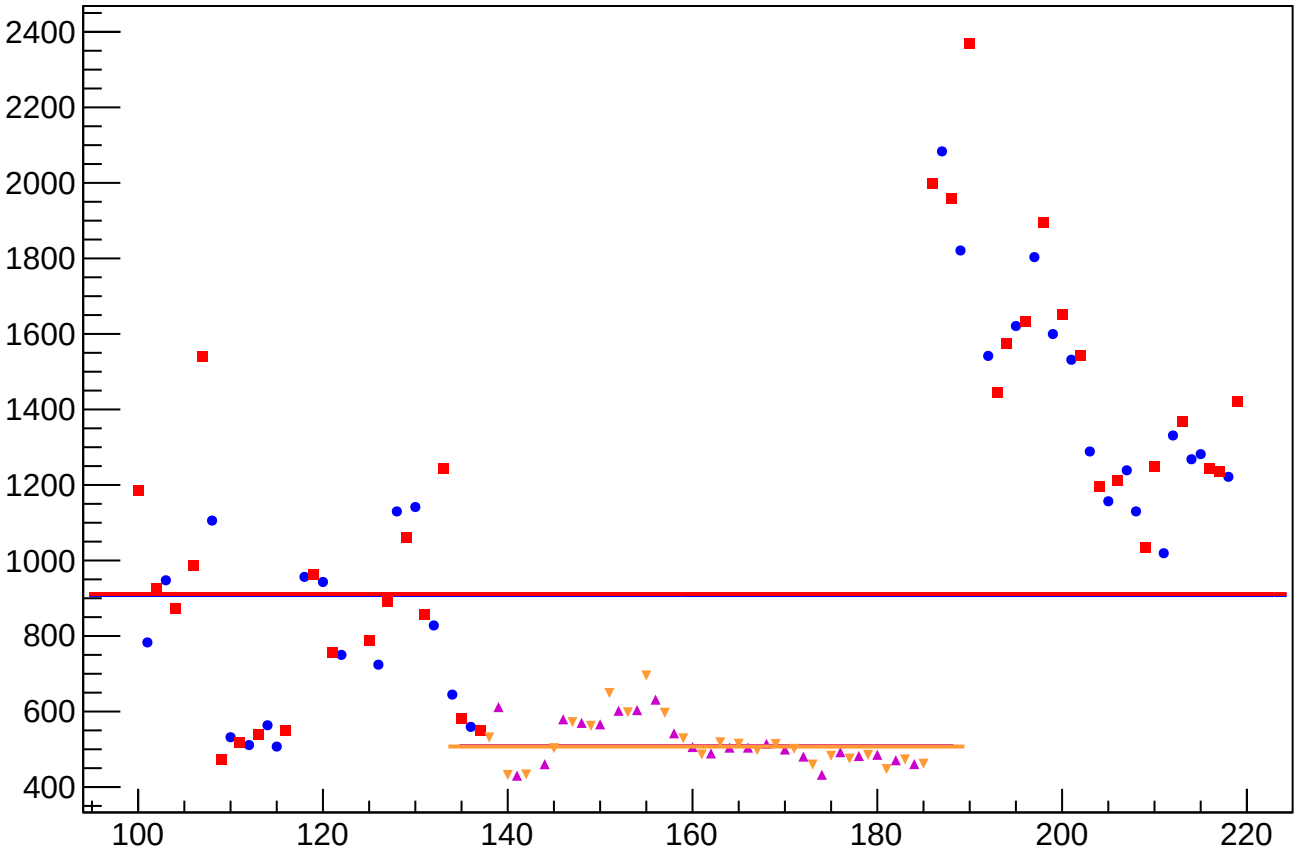
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 49.461+/-153.921 χ^2/NDF: 118.2/66

In: -110.070+/-104.906 χ^2/NDF:90.7/54

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

All: -137.485+/-73.947 χ^2/NDF: 224.6/113



Right In: 908.629+/-0.154 χ^2/NDF: 5375360.6/31

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

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

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

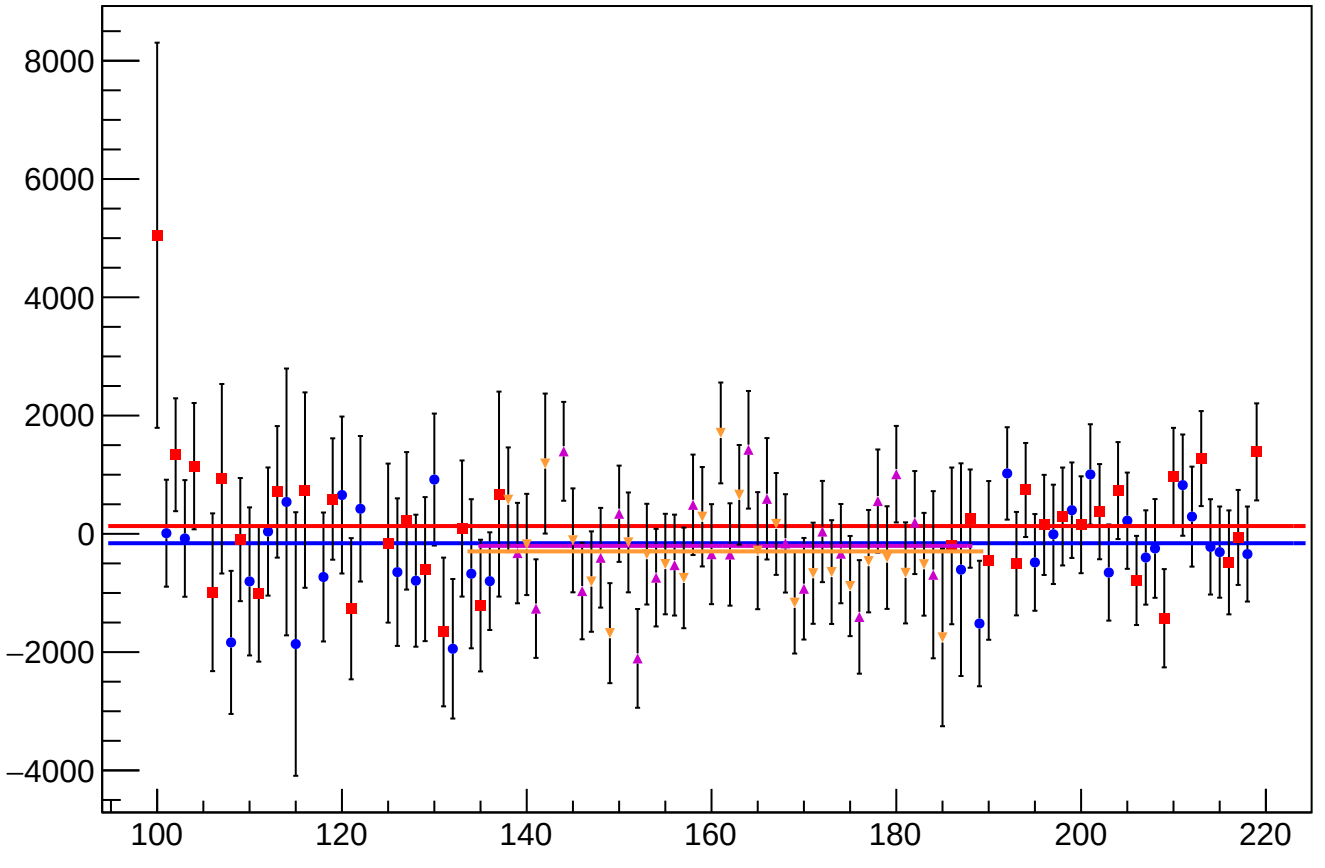
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 909.931+/-0.109 χ^2/NDF: 12192202.2/66

In: 601.278+/-0.074 χ^2/NDF:10982189.2/54

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

All: 600.748+/-0.052 χ^2/NDF: 23590107.3/11



Right In: -158.639+/-171.034 χ^2/NDF: 17.2/31

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

Right Out: 131.535+/-168.070 χ^2/NDF: 25.7/34

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

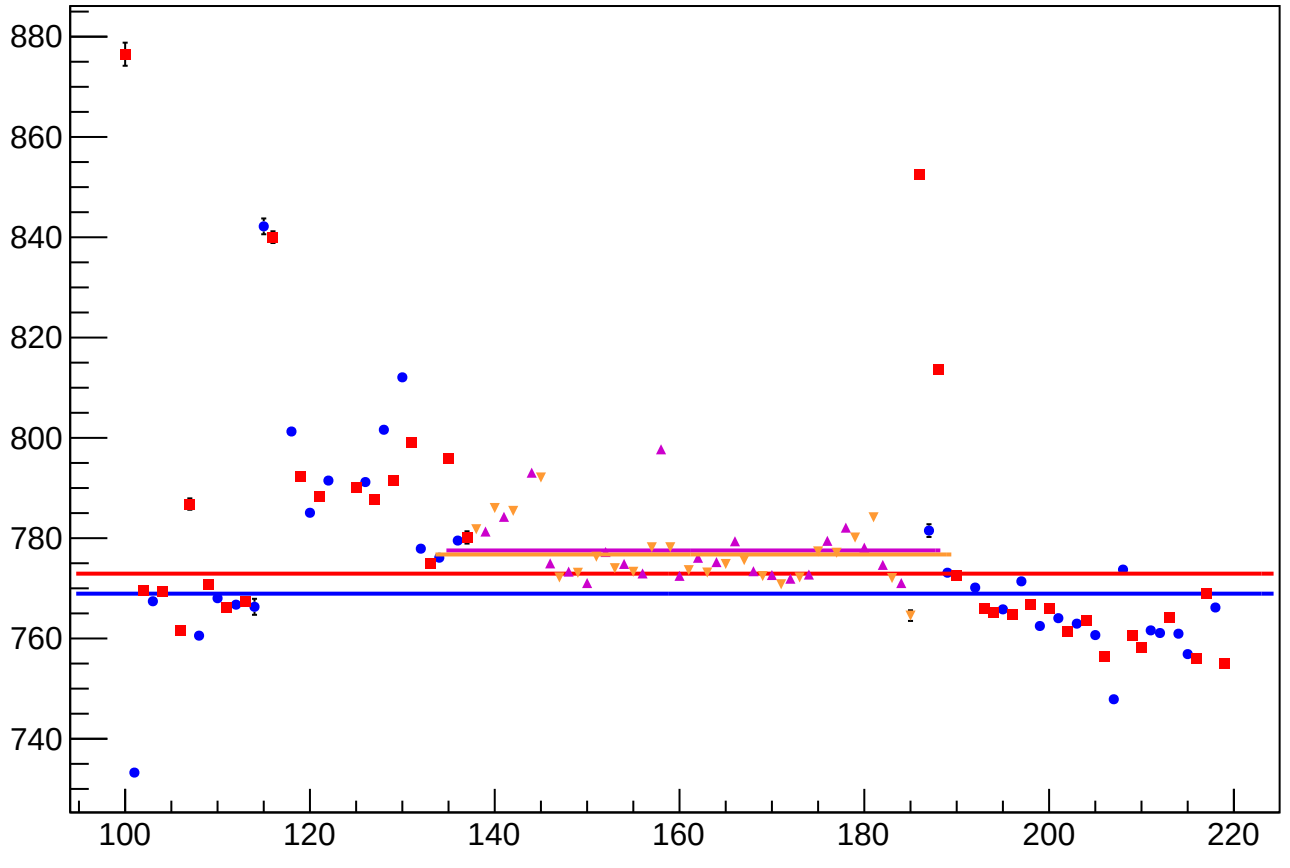
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -11.016+/-119.878 χ^2/NDF: 44.4/66

In: -179.657+/-124.490 χ^2/NDF:39.3/54

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

All: -122.935+/-87.472 χ^2/NDF: 85.2/113



Right In: 768.936+/-0.121 χ^2/NDF: 17136.3/31

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

Right Out: 772.927+/-0.119 χ^2/NDF: 27167.9/34

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

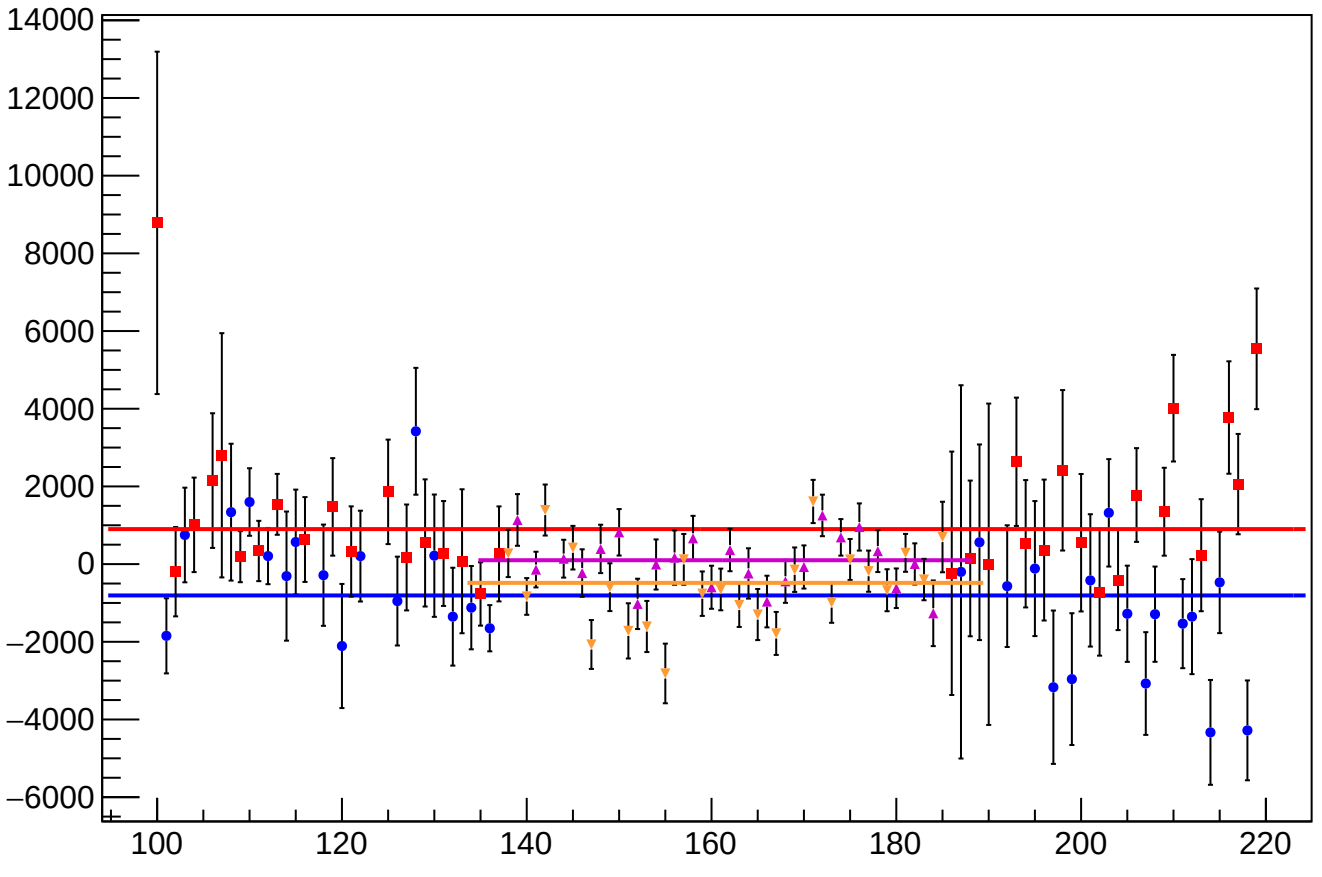
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 770.966+/-0.085 χ^2/NDF: 44858.1/66

In: 772.986+/-0.088 χ^2/NDF:22272.3/54

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

All: 773.856+/-0.062 χ^2/NDF: 51940.9/113



Right In: -806.964+/-217.985 χ^2/NDF: 49.9/31

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

Right Out: 901.057+/-217.369 χ^2/NDF: 37.5/34

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

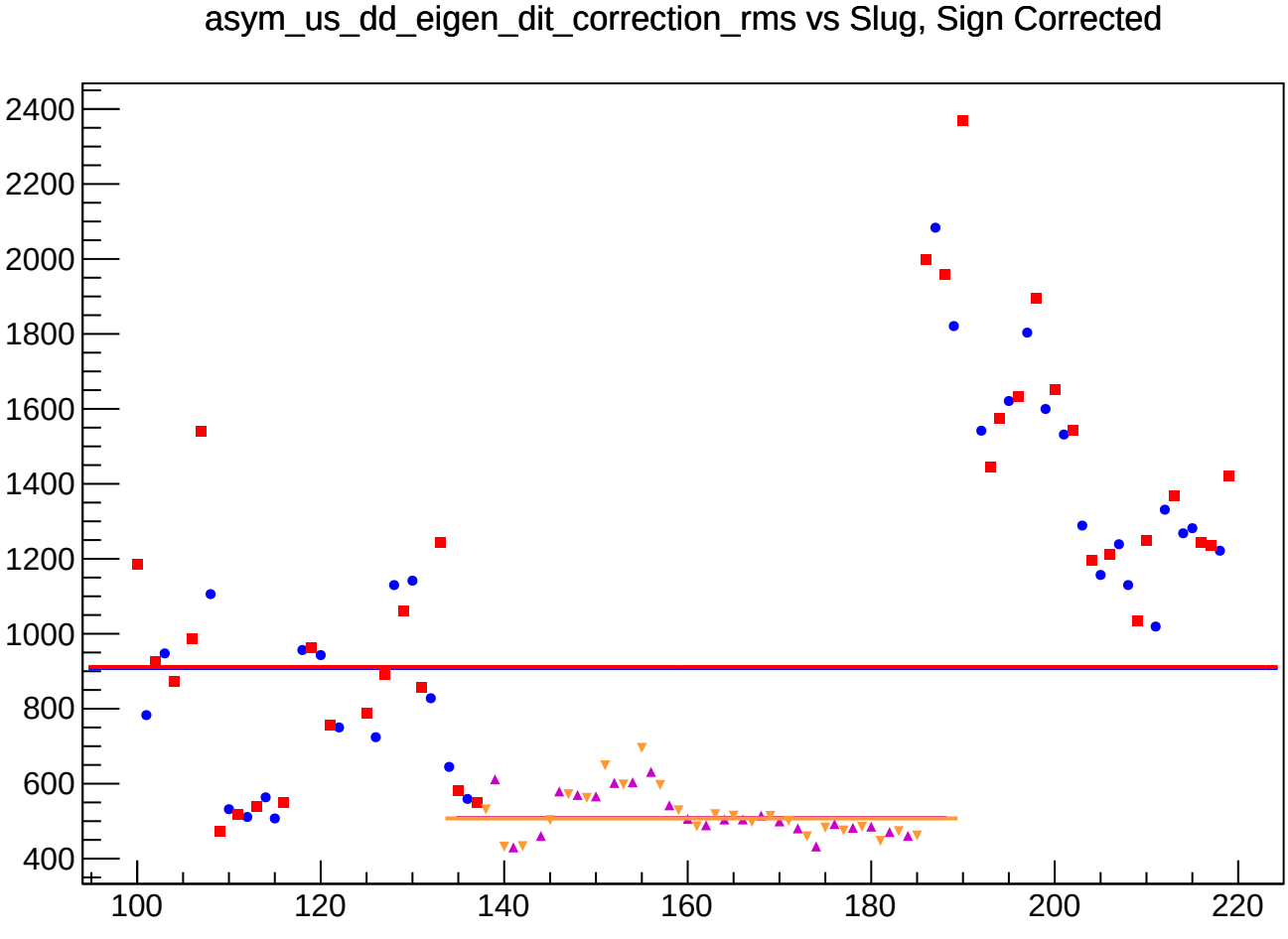
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 49.463+/-153.920 χ^2/NDF: 118.2/66

In: -110.070+/-104.906 χ^2/NDF:90.7/54

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

All: -137.484+/-73.947 χ^2/NDF: 224.6/113



Right In: 908.625+/-0.154 χ^2/NDF: 5375437.4/31

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

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

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

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

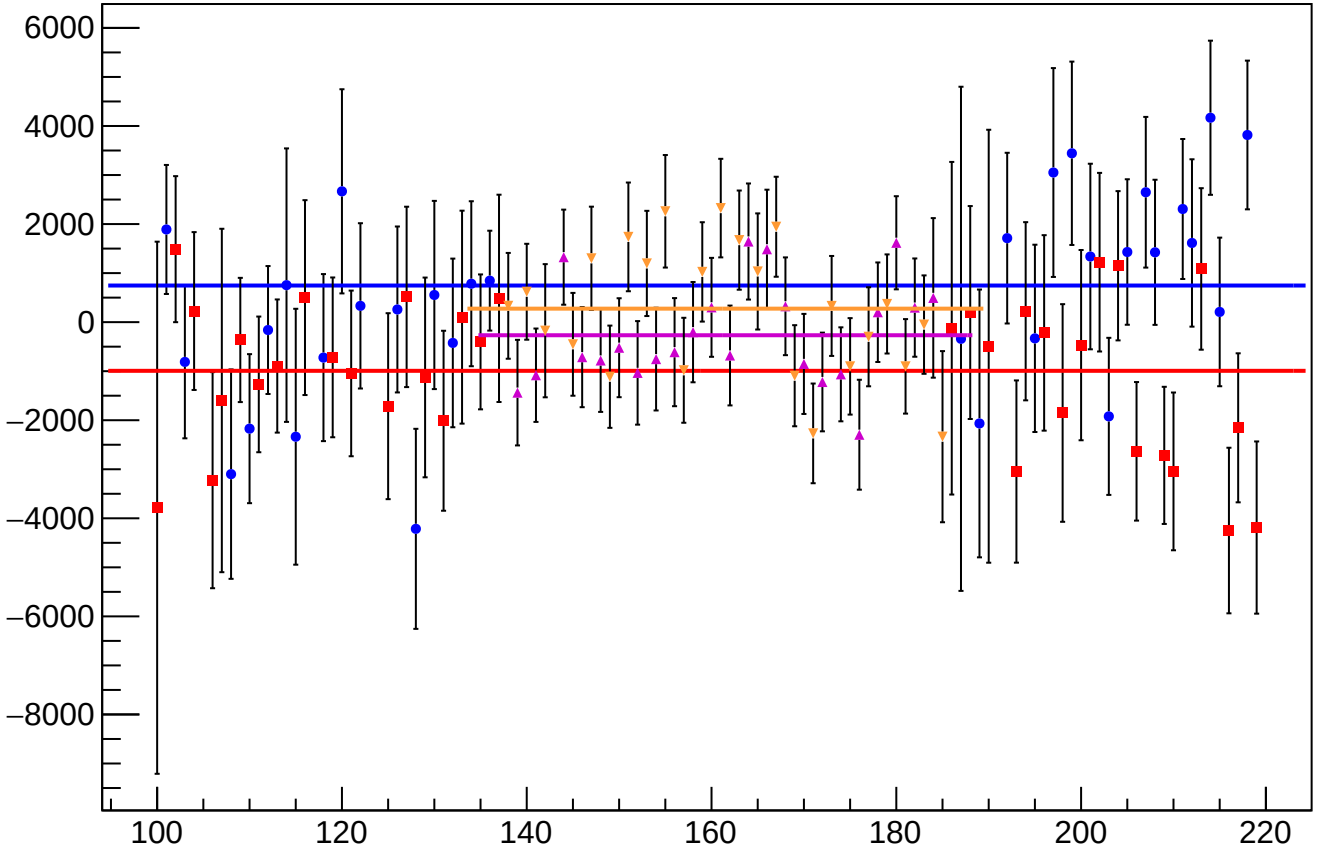
Right: 909.928+/-0.109 χ^2/NDF: 12192354.8/66

In: 601.278+/-0.074 χ^2/NDF:10982217.1/54

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

All: 600.747+/-0.052 χ^2/NDF: 23590147.3/11

asym_us_dd_mean vs Slug, Sign Corrected



Right In: 746.676+/-296.870 χ^2/NDF: 38.9/31

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

Right Out: -992.627+/-299.120 χ^2/NDF: 27.2/34

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

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

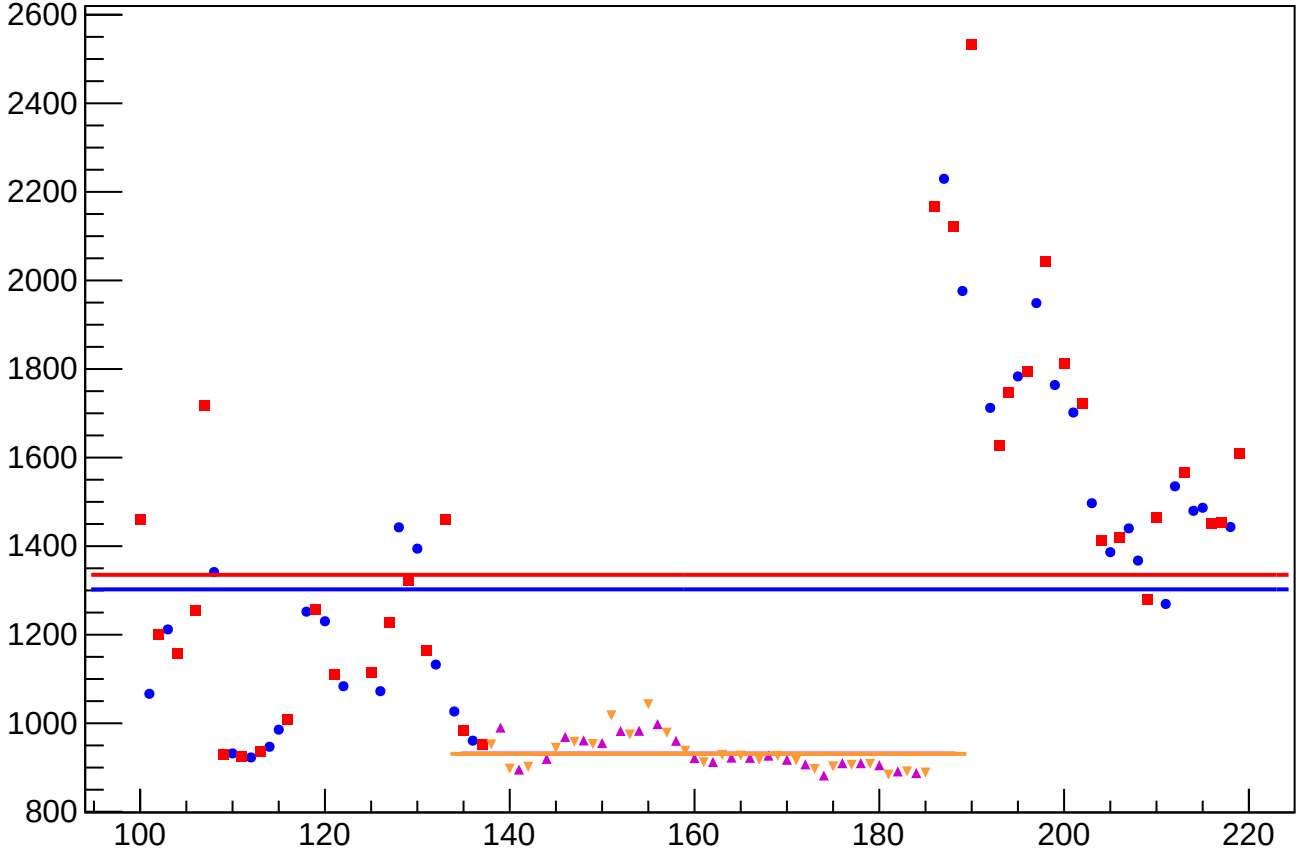
Right: -116.410+/-210.710 χ^2/NDF: 83.2/66

In: 87.413+/-175.548 χ^2/NDF:67.9/54

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

All: -36.543+/-124.033 χ^2/NDF: 141.5/113

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1302.421+/-0.210 χ^2/NDF: 1795155.7/31

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

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

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

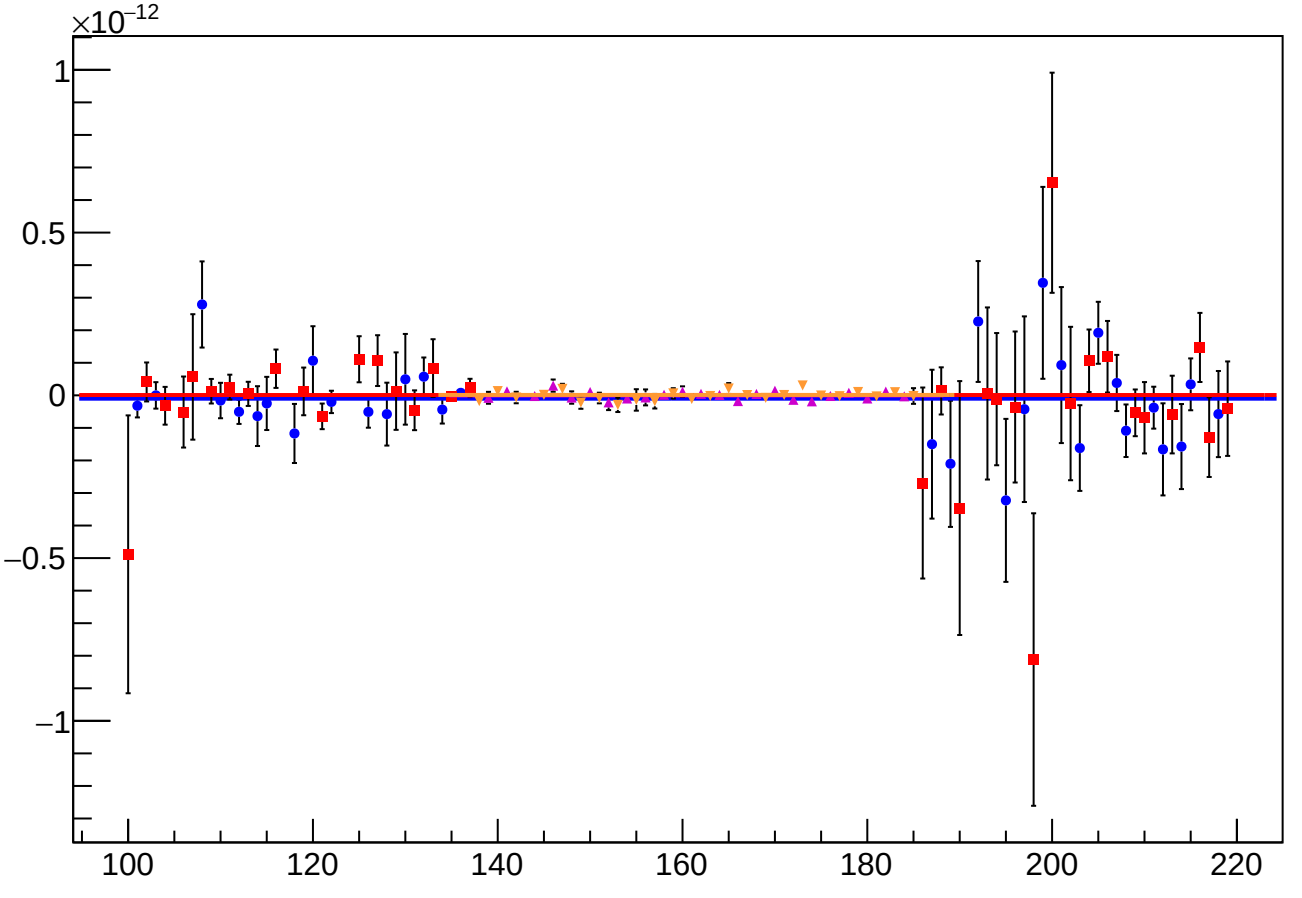
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1318.722+/-0.149 χ^2/NDF: 4120302.9/66

In: 1061.240+/-0.124 χ^2/NDF:3873848.1/54

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

All: 1065.502+/-0.088 χ^2/NDF: 8651041.8/11



Right In: -0.000+/-0.000 χ^2/NDF: 30.9/31

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

Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/34

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

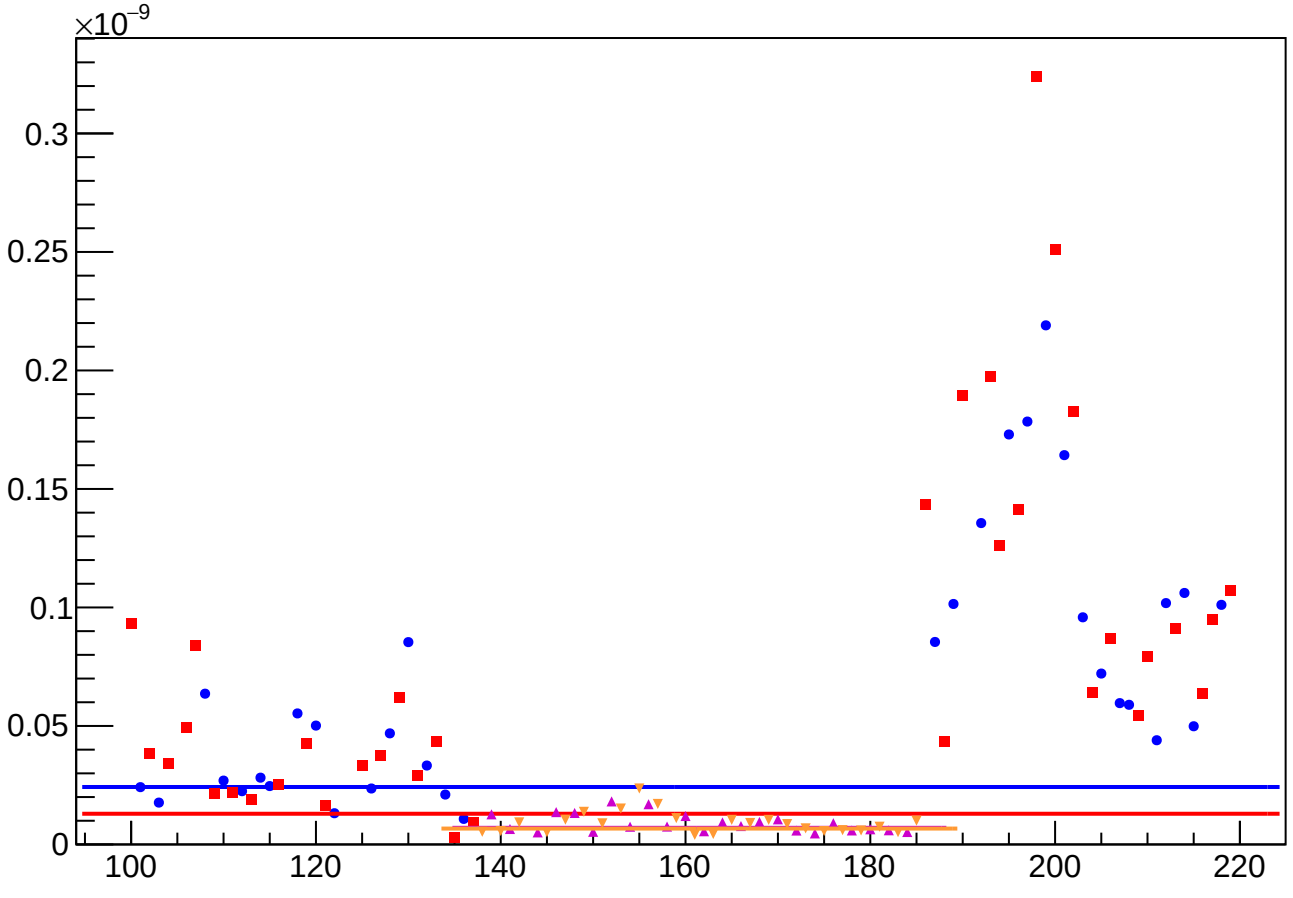
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 61.5/66

In: -0.000+/-0.000 χ^2/NDF:54.0/54

Out: 0.000+/-0.000 χ^2/NDF:55.4/58

All: 0.000+/-0.000 χ^2/NDF: 109.8/113



Right In: 0.000+/-0.000 χ^2/NDF: 11204421.7/31

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

Right Out: 0.000+/-0.000 χ^2/NDF: 17922716.4/34

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

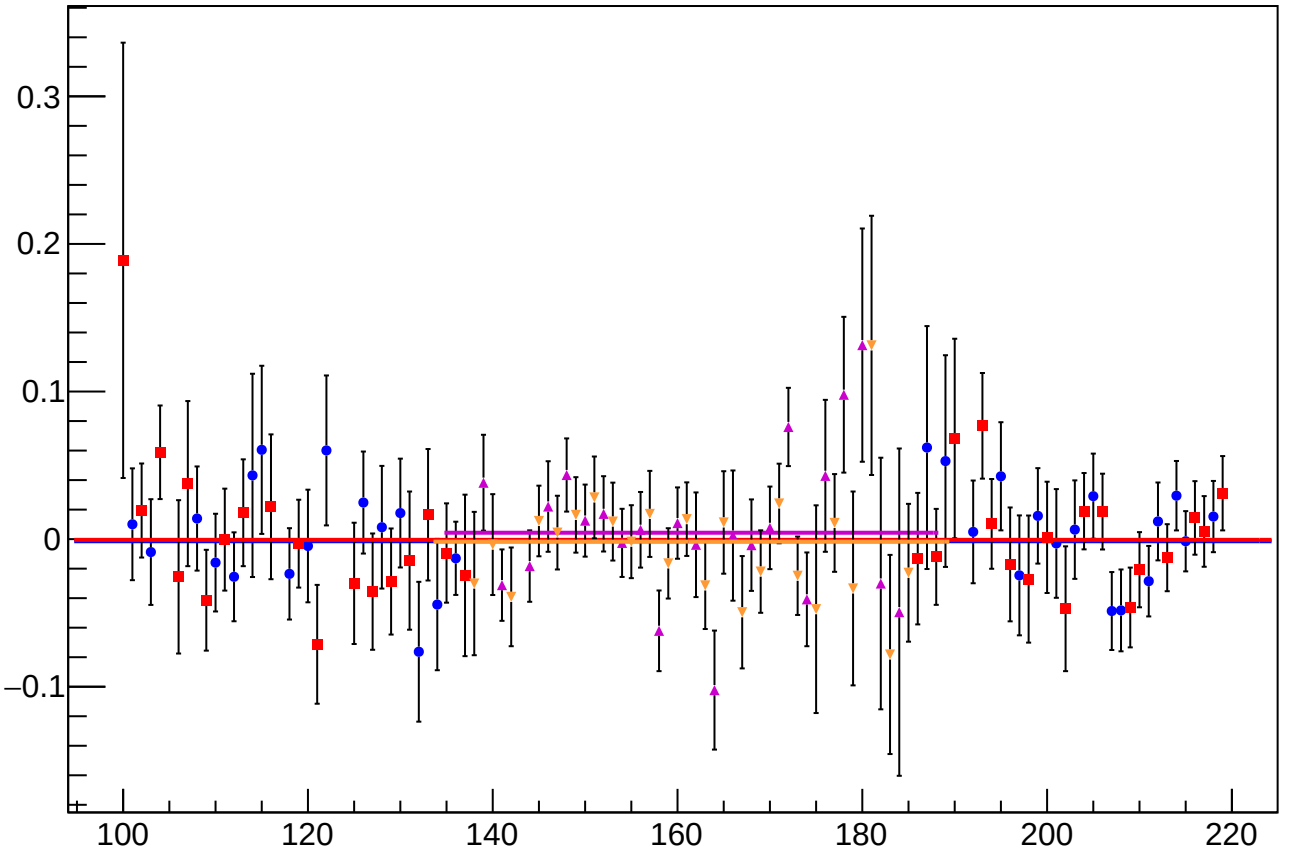
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 30899634.0/66

In: 0.000+/-0.000 χ^2/NDF:19635124.9/54

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

All: 0.000+/-0.000 χ^2/NDF: 41997797.2/113



Right In: -0.001+/-0.006 χ^2/NDF: 23.5/31

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

Right Out: -0.000+/-0.006 χ^2/NDF: 28.4/34

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

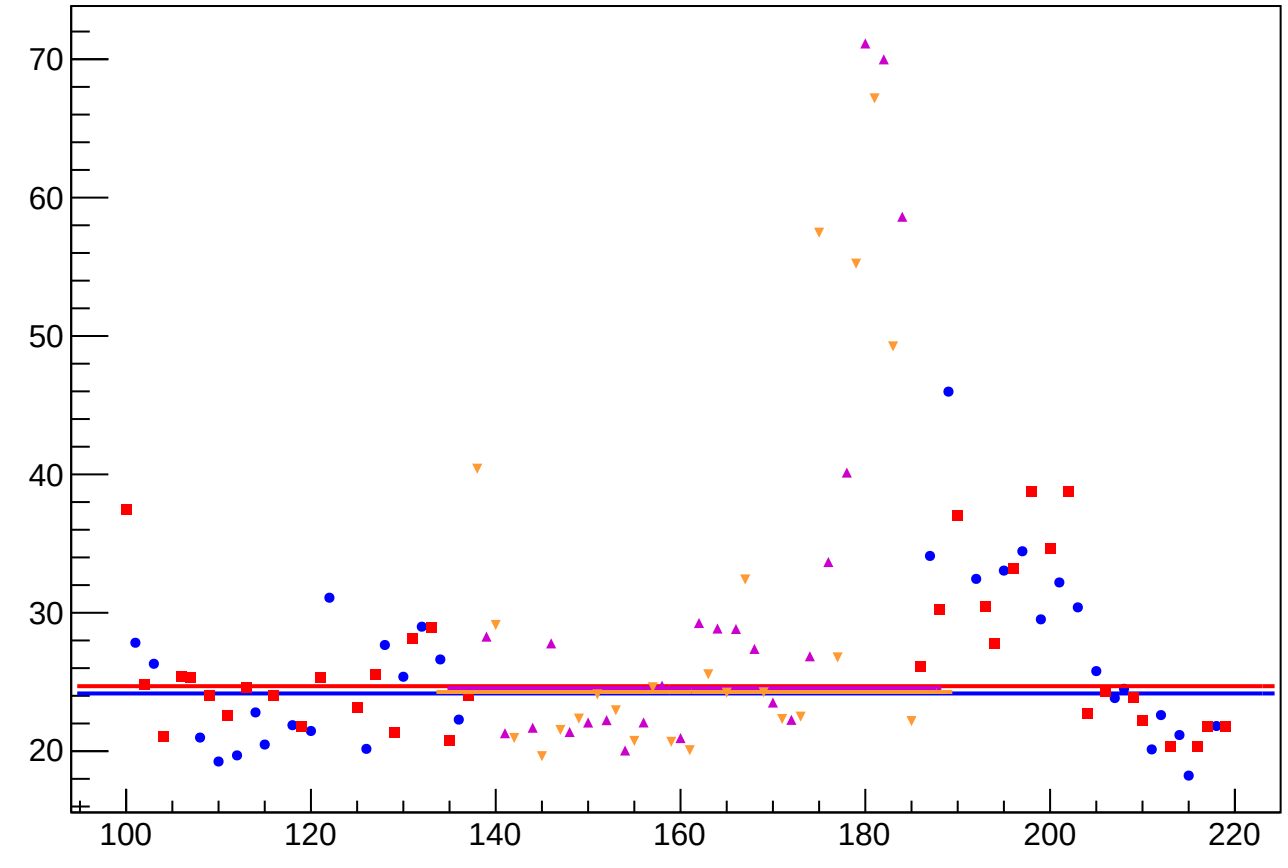
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.001+/-0.004 χ^2/NDF: 51.9/66

In: 0.001+/-0.004 χ^2/NDF:60.5/54

Out: -0.001+/-0.004 χ^2/NDF:43.0/58

All: 0.000+/-0.003 χ^2/NDF: 103.6/113



Right In: 24.170+/-0.004 χ^2/NDF: 1363428.4/31

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

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

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

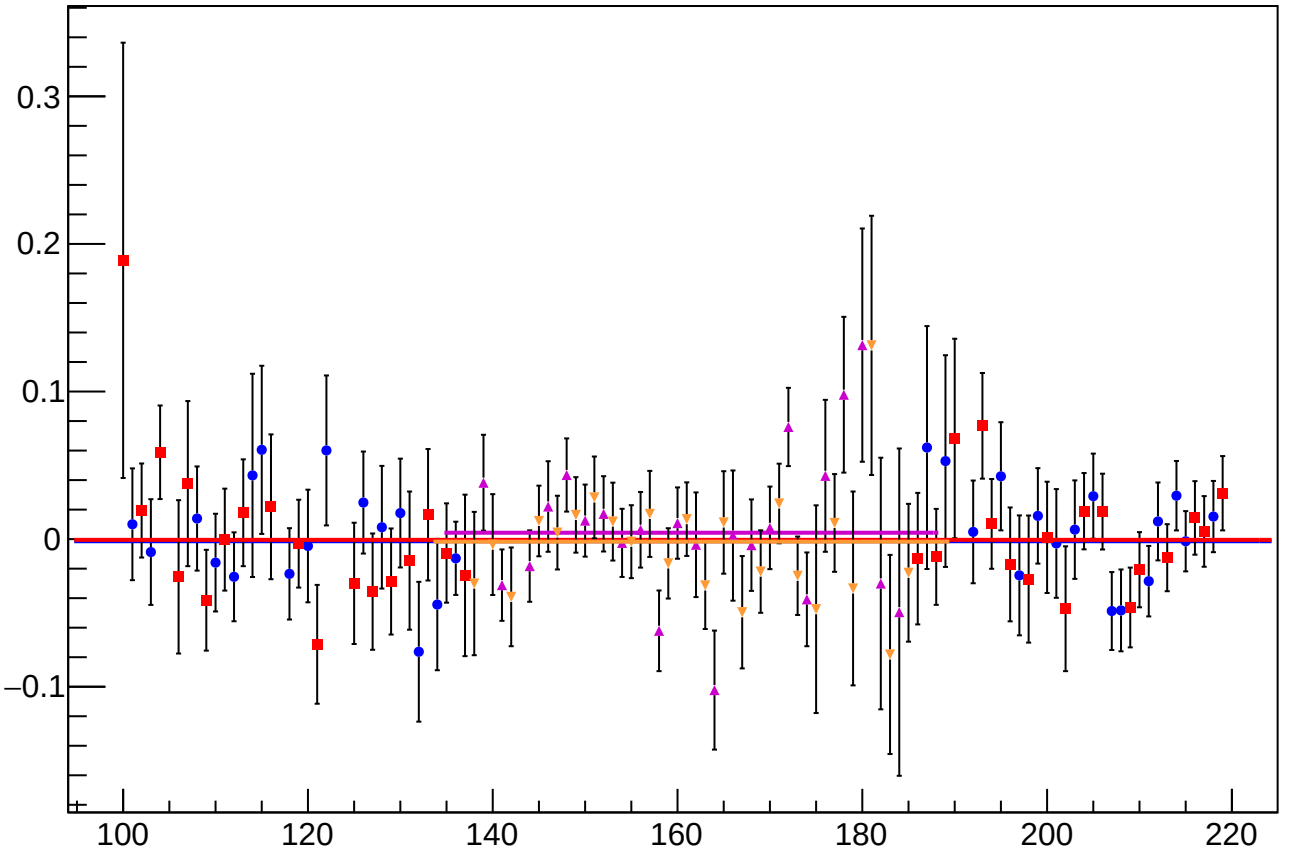
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 24.435+/-0.003 χ^2/NDF: 2613602.8/66

In: 24.348+/-0.003 χ^2/NDF:3500525.5/54

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

All: 24.428+/-0.002 χ^2/NDF: 7059289.1/113



Right In: -0.001+/-0.006 χ^2/NDF: 23.5/31

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

Right Out: -0.000+/-0.006 χ^2/NDF: 28.4/34

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

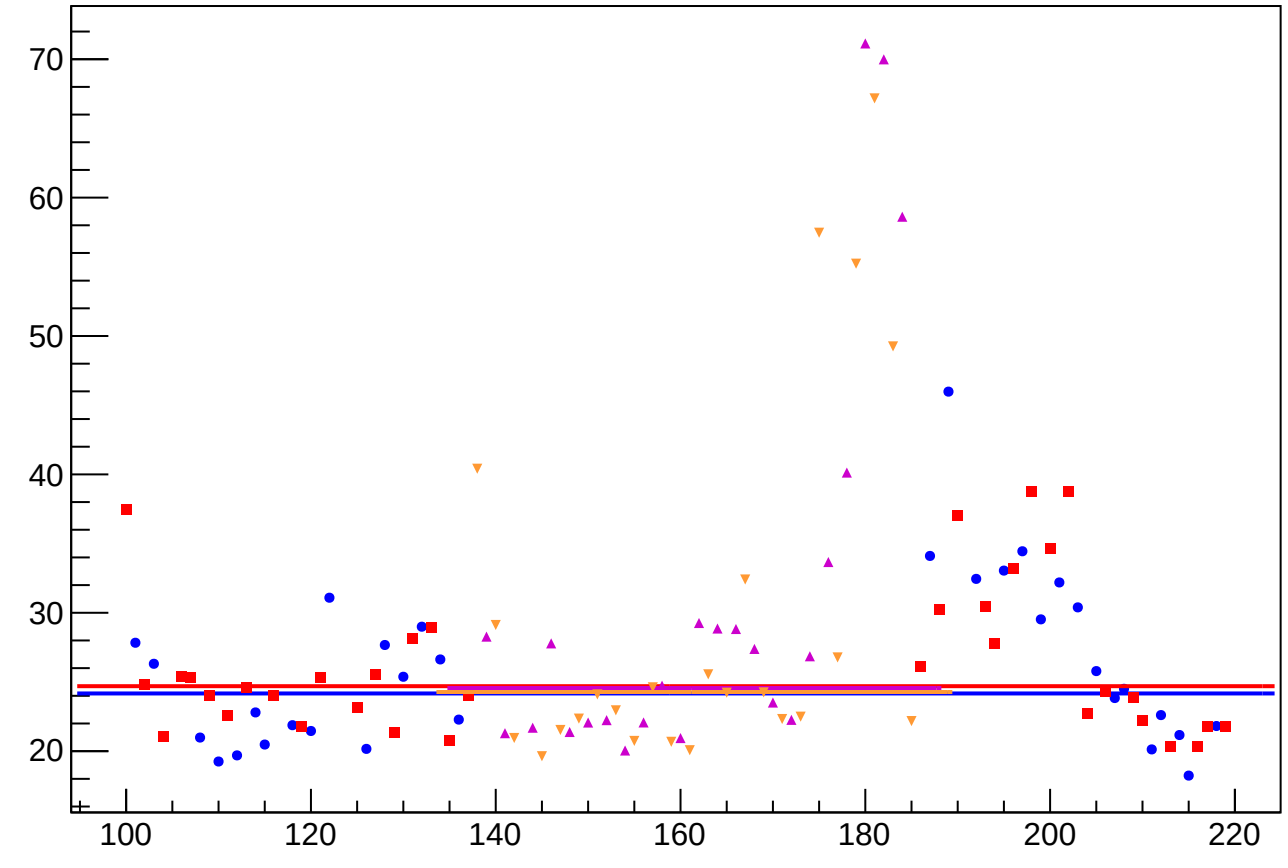
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.001+/-0.004 χ^2/NDF: 51.9/66

In: 0.001+/-0.004 χ^2/NDF:60.5/54

Out: -0.001+/-0.004 χ^2/NDF:43.0/58

All: 0.000+/-0.003 χ^2/NDF: 103.6/113



Right In: 24.170+/-0.004 χ^2/NDF: 1363428.4/31

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

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

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

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

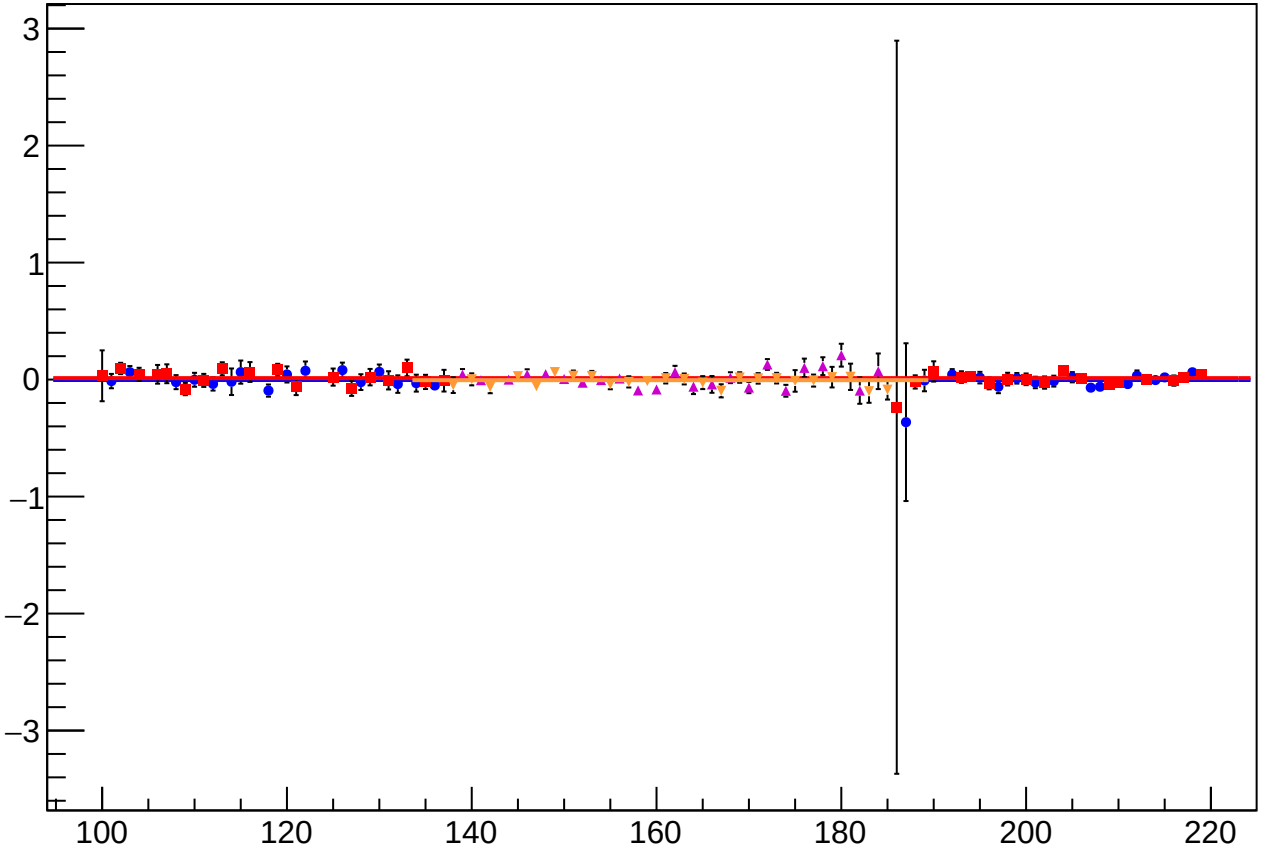
Right: 24.435+/-0.003 χ^2/NDF: 2613602.8/66

In: 24.348+/-0.003 χ^2/NDF:3500525.5/54

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

All: 24.428+/-0.002 χ^2/NDF: 7059289.1/113

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.009 χ^2/NDF: 23.5/31

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

Right Out: 0.012+/-0.009 χ^2/NDF: 24.1/34

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

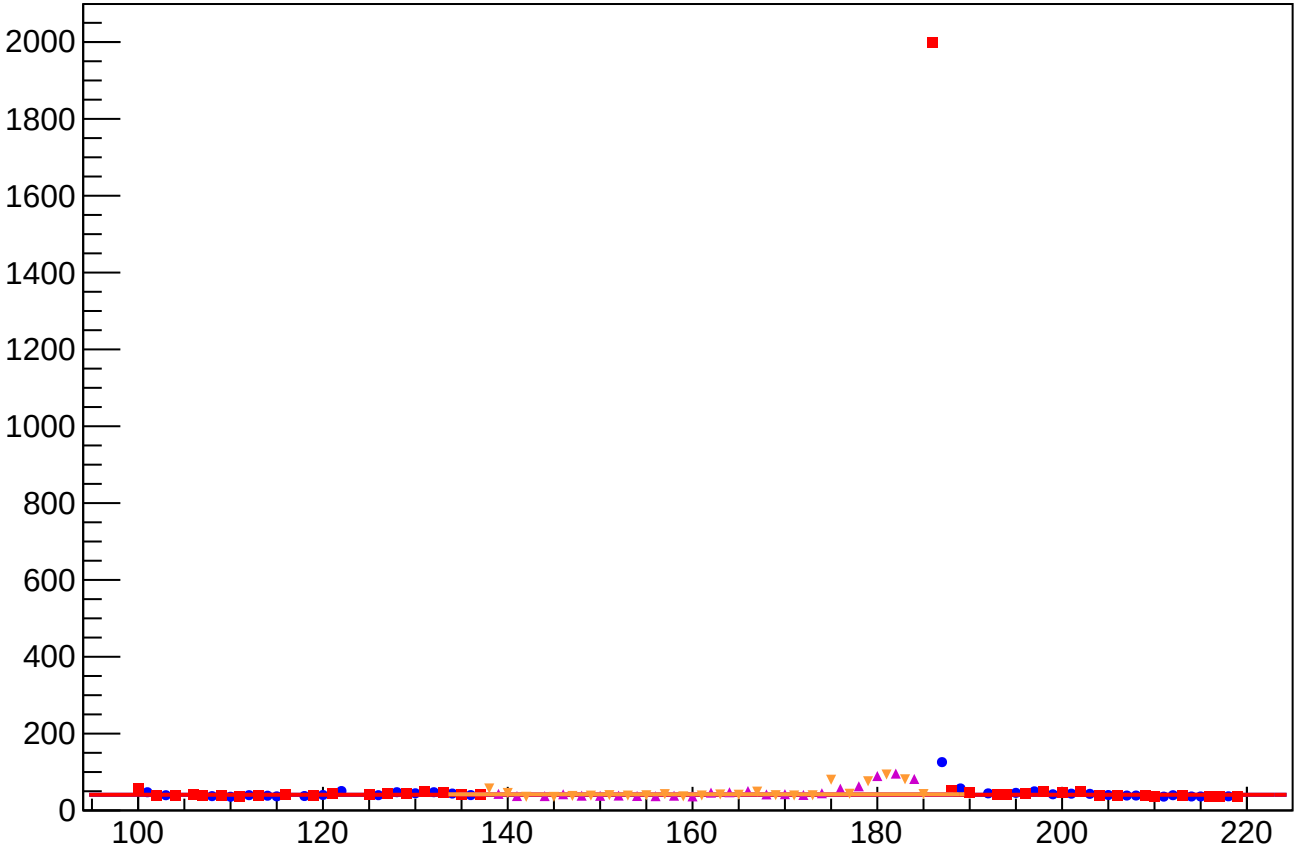
Right: 0.005+/-0.007 χ^2/NDF: 49.0/66

In: -0.002+/-0.007 χ^2/NDF:61.5/54

Out: 0.005+/-0.007 χ^2/NDF:39.5/58

All: 0.001+/-0.005 χ^2/NDF: 101.5/113

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.714+/-0.007 χ^2/NDF: 440999.7/31

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

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

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

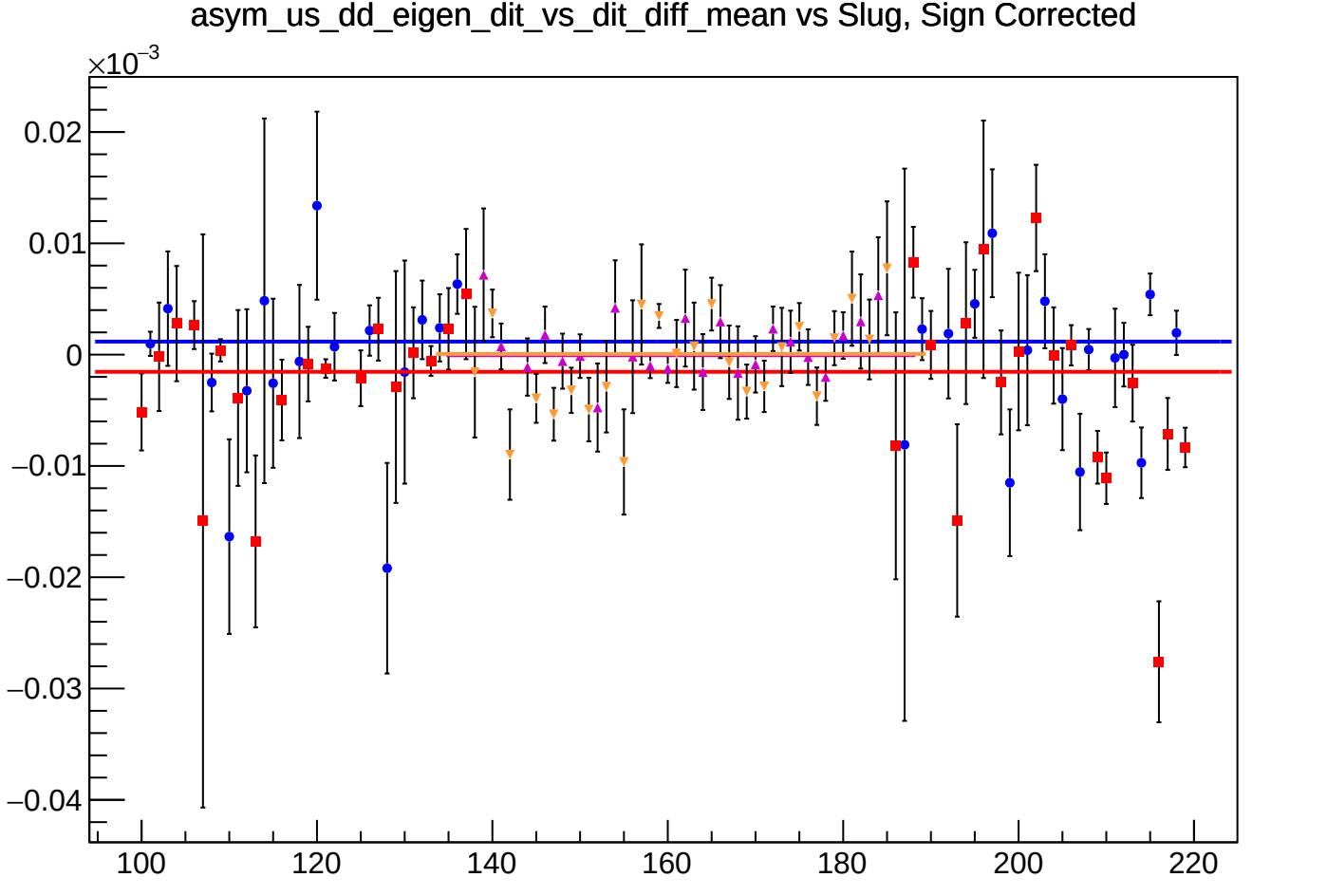
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 40.793+/-0.005 χ^2/NDF: 1641484.1/66

In: 41.324+/-0.005 χ^2/NDF:2003498.8/54

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

All: 41.366+/-0.003 χ^2/NDF: 4935253.3/113



Right In: 0.000+/-0.000 χ^2/NDF: 51.0/31

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

Right Out: -0.000+/-0.000 χ^2/NDF: 112.4/34

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

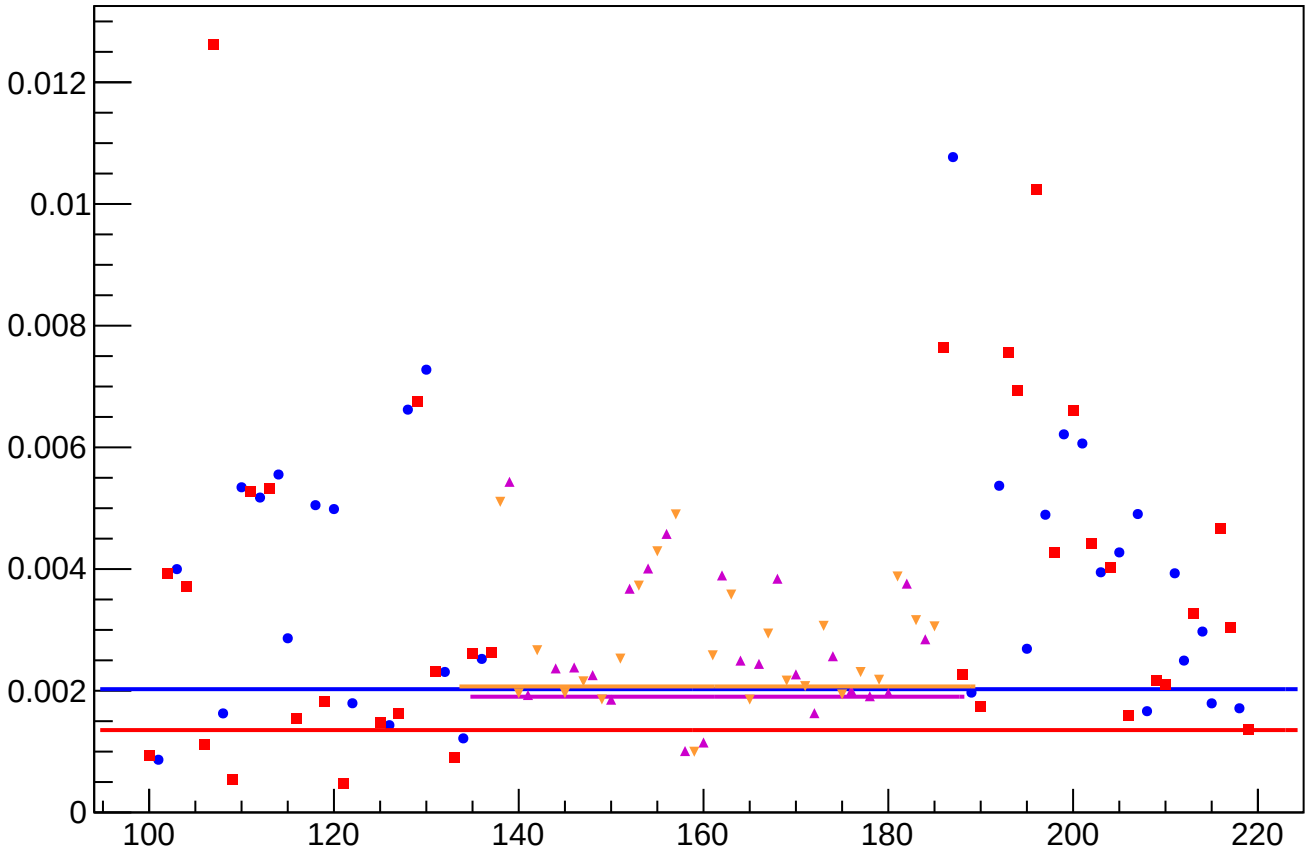
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: -0.000+/-0.000 χ^2/NDF: 178.9/66

In: 0.000+/-0.000 χ^2/NDF:66.8/54

Out: -0.000+/-0.000 χ^2/NDF:169.7/58

All: -0.000+/-0.000 χ^2/NDF: 244.7/113



Right In: 0.002+/-0.000 χ^2/NDF: 10708586.1/31

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

Right Out: 0.001+/-0.000 χ^2/NDF: 17267919.8/34

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

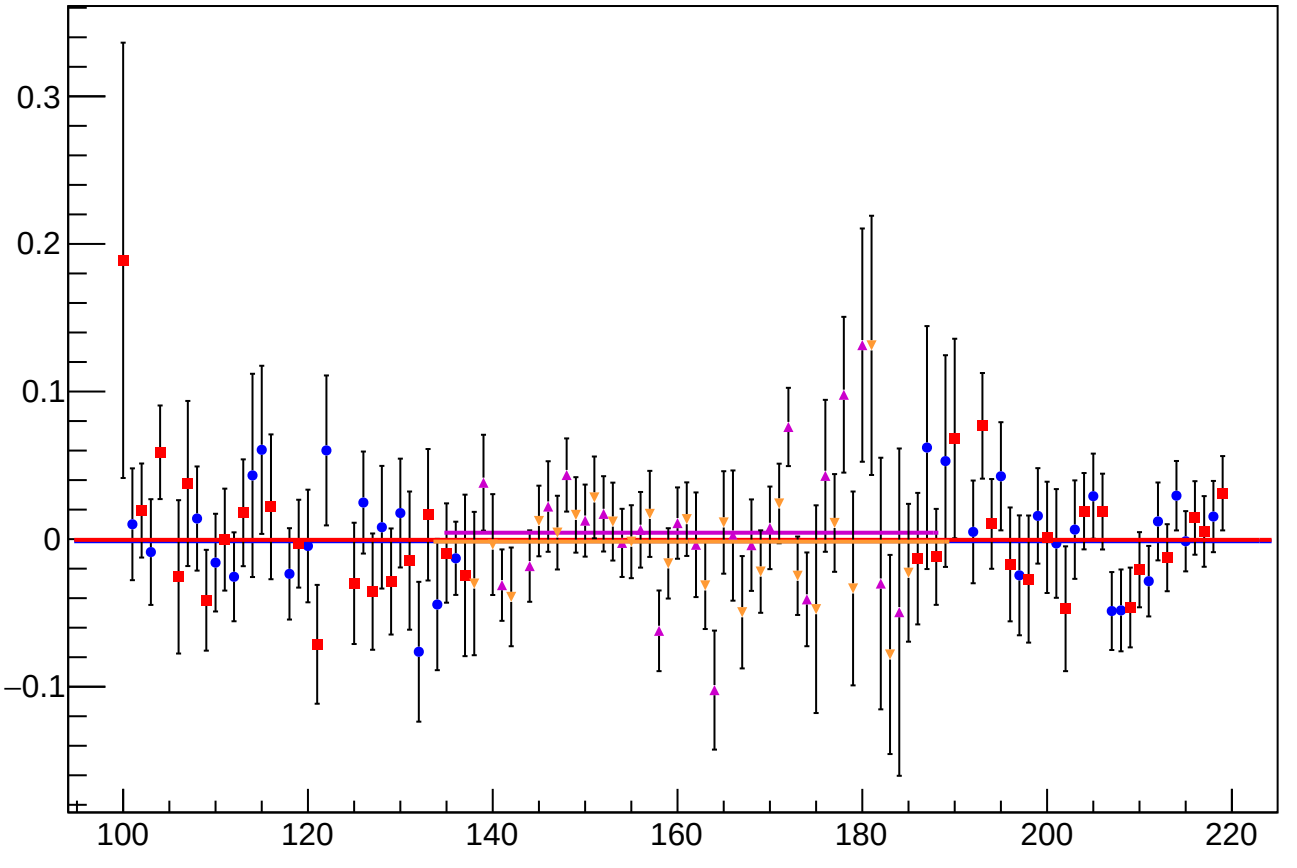
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.002+/-0.000 χ^2/NDF: 29884538.1/66

In: 0.002+/-0.000 χ^2/NDF:16701191.2/54

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

All: 0.002+/-0.000 χ^2/NDF: 42379447.1/113



Right In: -0.001+/-0.006 χ^2/NDF: 23.5/31

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

Right Out: -0.000+/-0.006 χ^2/NDF: 28.4/34

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

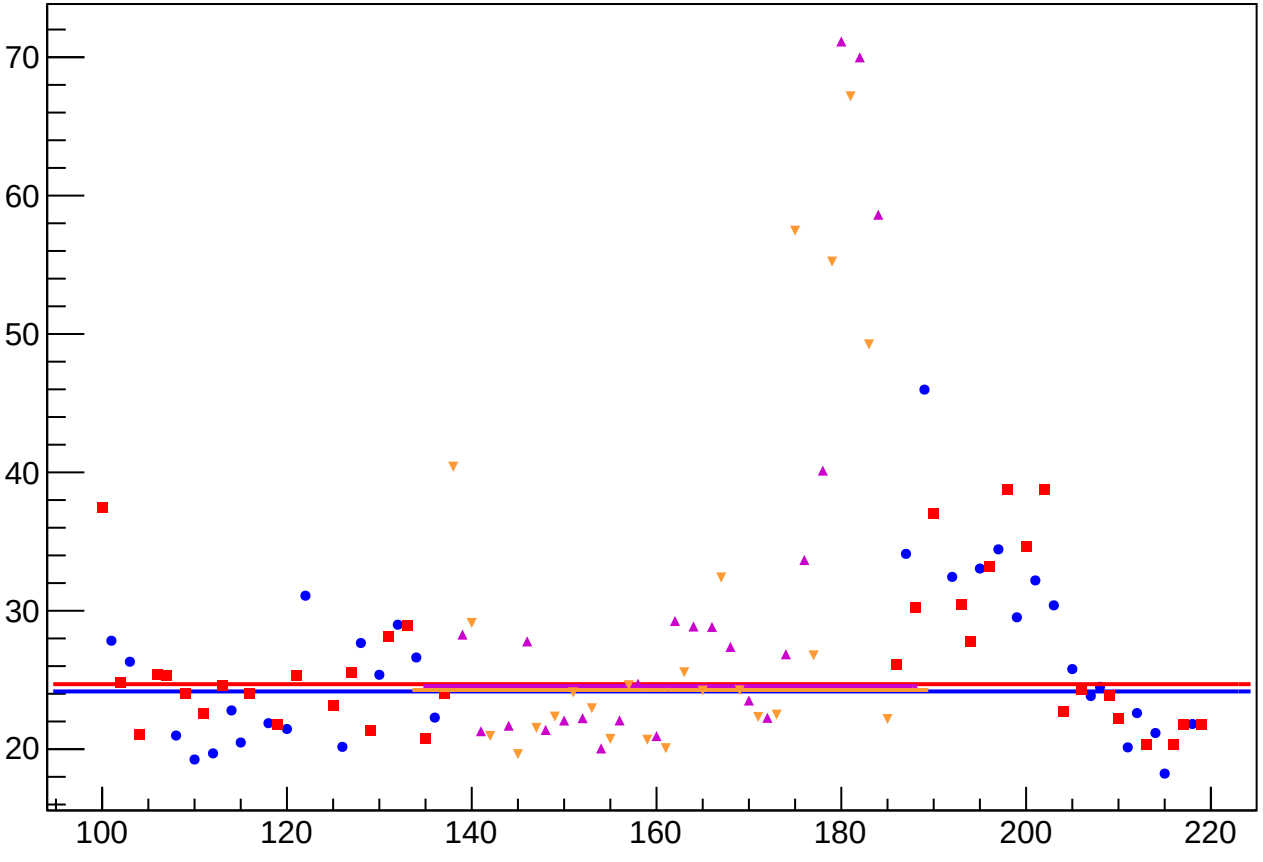
Right: -0.001+/-0.004 χ^2/NDF: 51.9/66

In: 0.001+/-0.004 χ^2/NDF:60.5/54

Out: -0.001+/-0.004 χ^2/NDF:43.0/58

All: 0.000+/-0.003 χ^2/NDF: 103.6/113

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.170+/-0.004 χ^2/NDF: 1363401.6/31

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

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

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

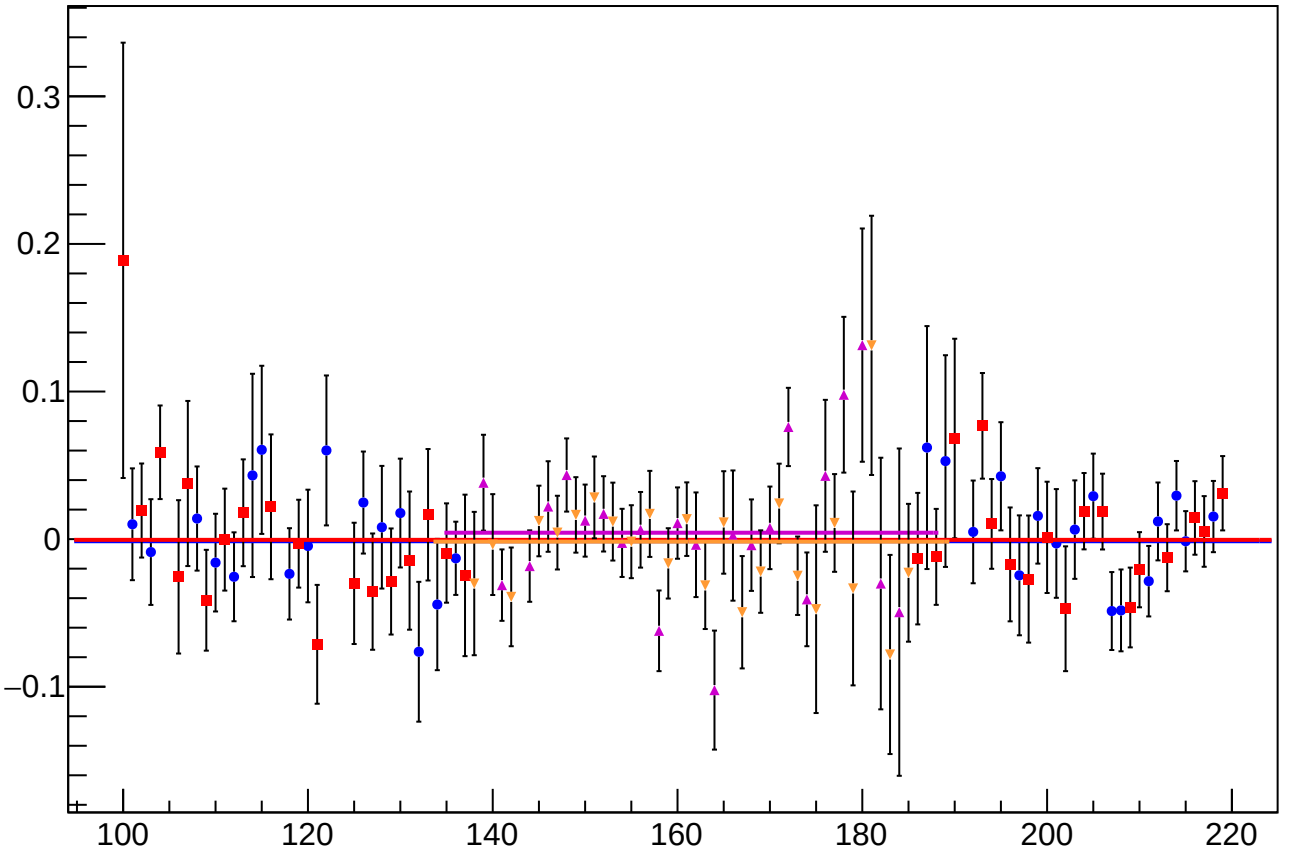
Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

Right: 24.435+/-0.003 χ^2/NDF: 2613573.3/66

In: 24.348+/-0.003 χ^2/NDF:3500375.0/54

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

All: 24.428+/-0.002 χ^2/NDF: 7059132.8/113



Right In: -0.001+/-0.006 χ^2/NDF: 23.5/31

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

Right Out: -0.000+/-0.006 χ^2/NDF: 28.4/34

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

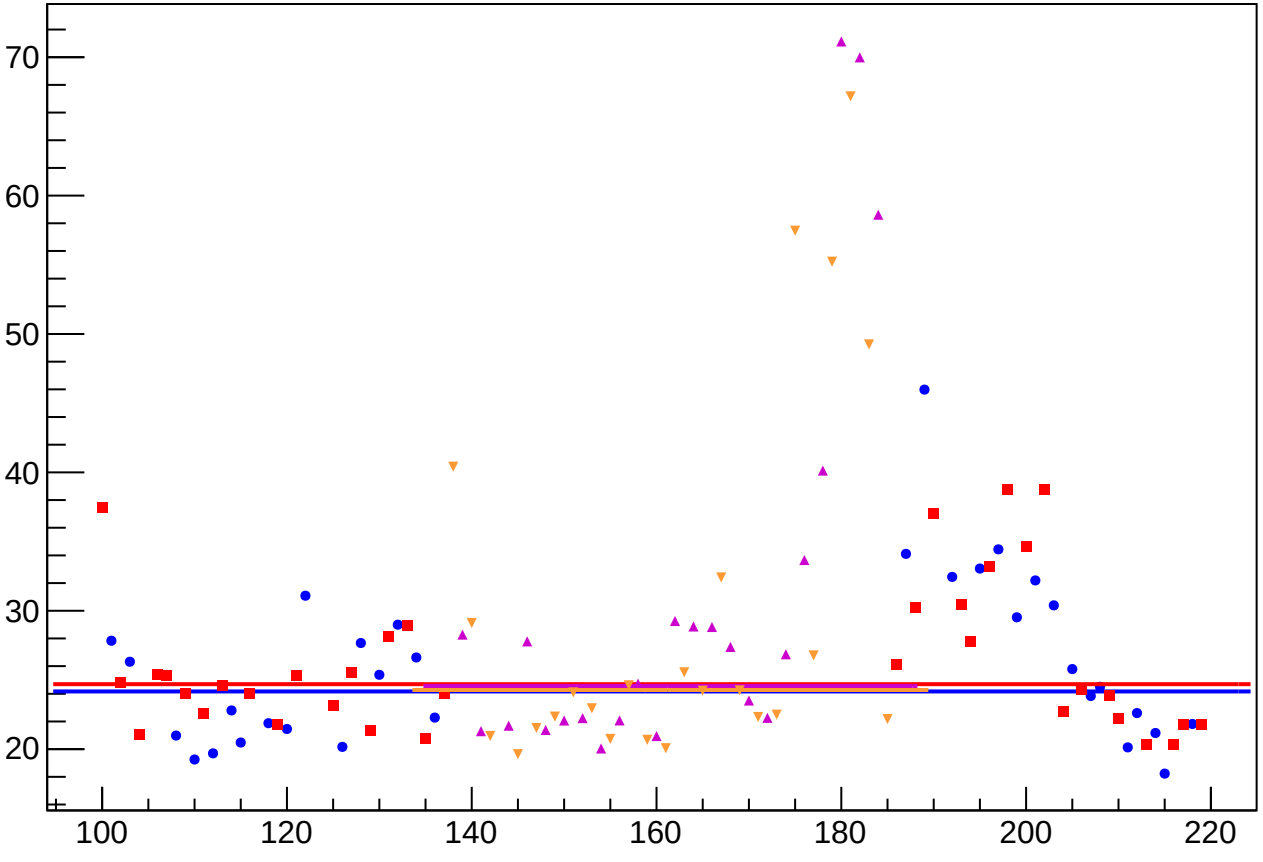
Right: -0.001+/-0.004 χ^2/NDF: 51.9/66

In: 0.001+/-0.004 χ^2/NDF:60.5/54

Out: -0.001+/-0.004 χ^2/NDF:43.0/58

All: 0.000+/-0.003 χ^2/NDF: 103.6/113

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.170+/-0.004 χ^2/NDF: 1363401.6/31

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

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

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

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

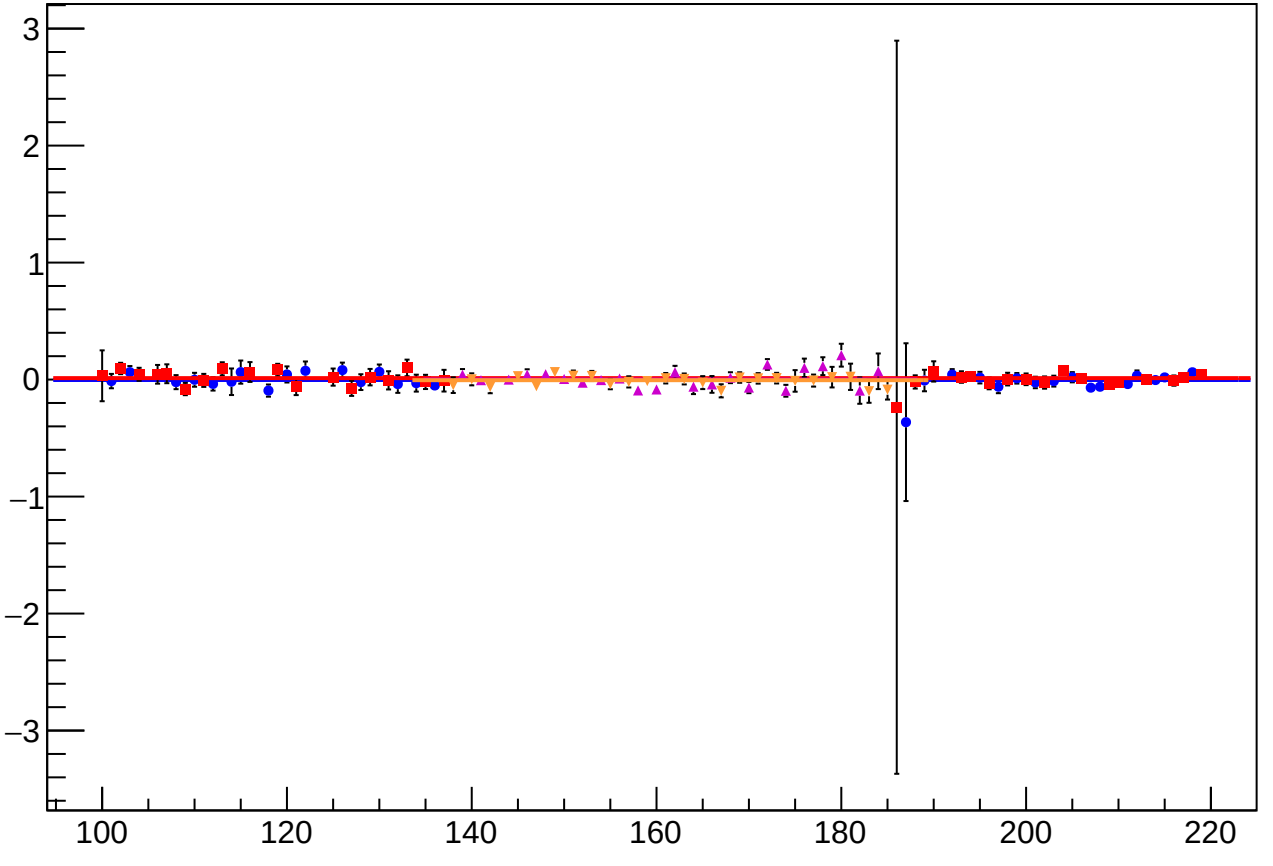
Right: 24.435+/-0.003 χ^2/NDF: 2613573.3/66

In: 24.348+/-0.003 χ^2/NDF:3500375.0/54

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

All: 24.428+/-0.002 χ^2/NDF: 7059132.8/113

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.009 χ^2/NDF: 23.5/31

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

Right Out: 0.012+/-0.009 χ^2/NDF: 24.0/34

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

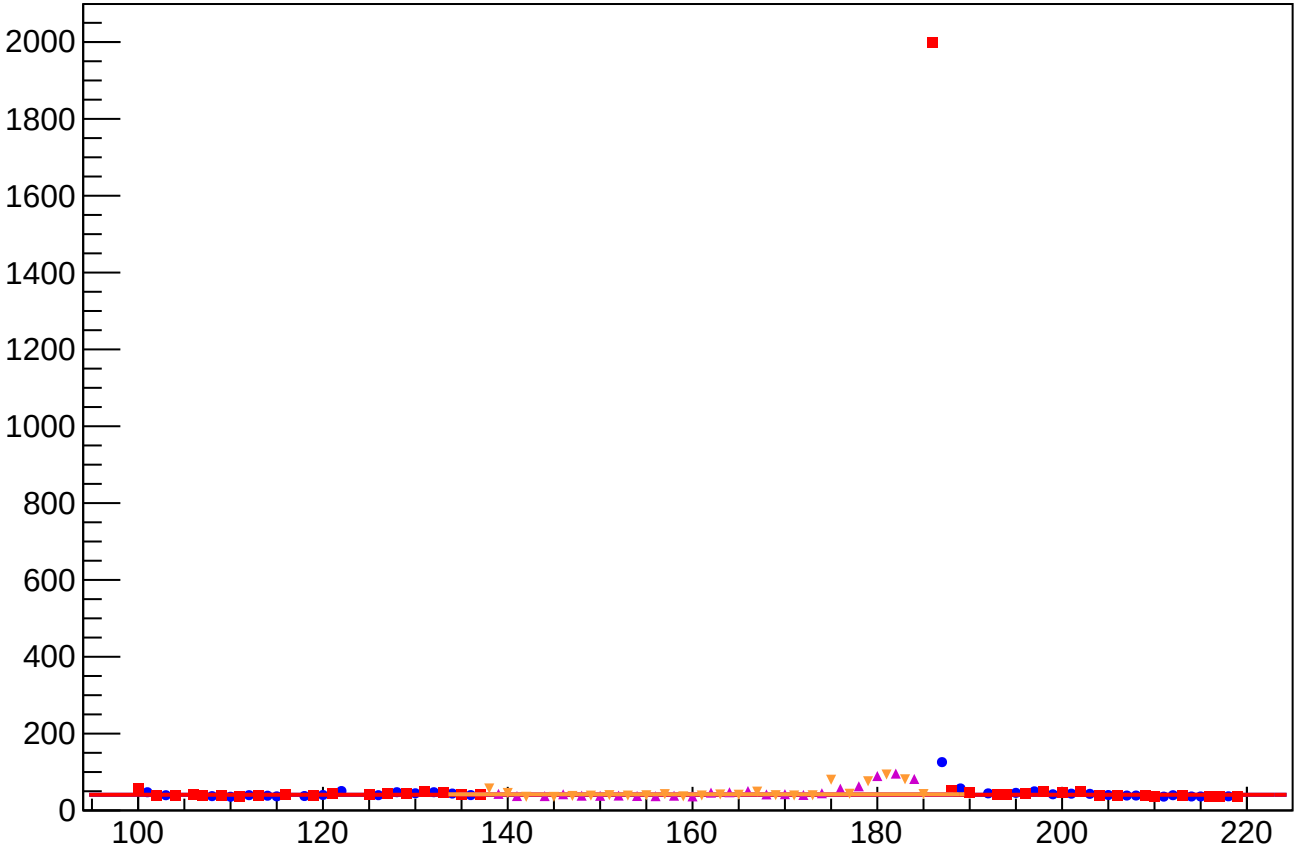
Right: 0.005+/-0.007 χ^2/NDF: 49.0/66

In: -0.002+/-0.007 χ^2/NDF:61.5/54

Out: 0.005+/-0.007 χ^2/NDF:39.5/58

All: 0.001+/-0.005 χ^2/NDF: 101.5/113

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.714+/-0.007 χ^2/NDF: 440941.5/31

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

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

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

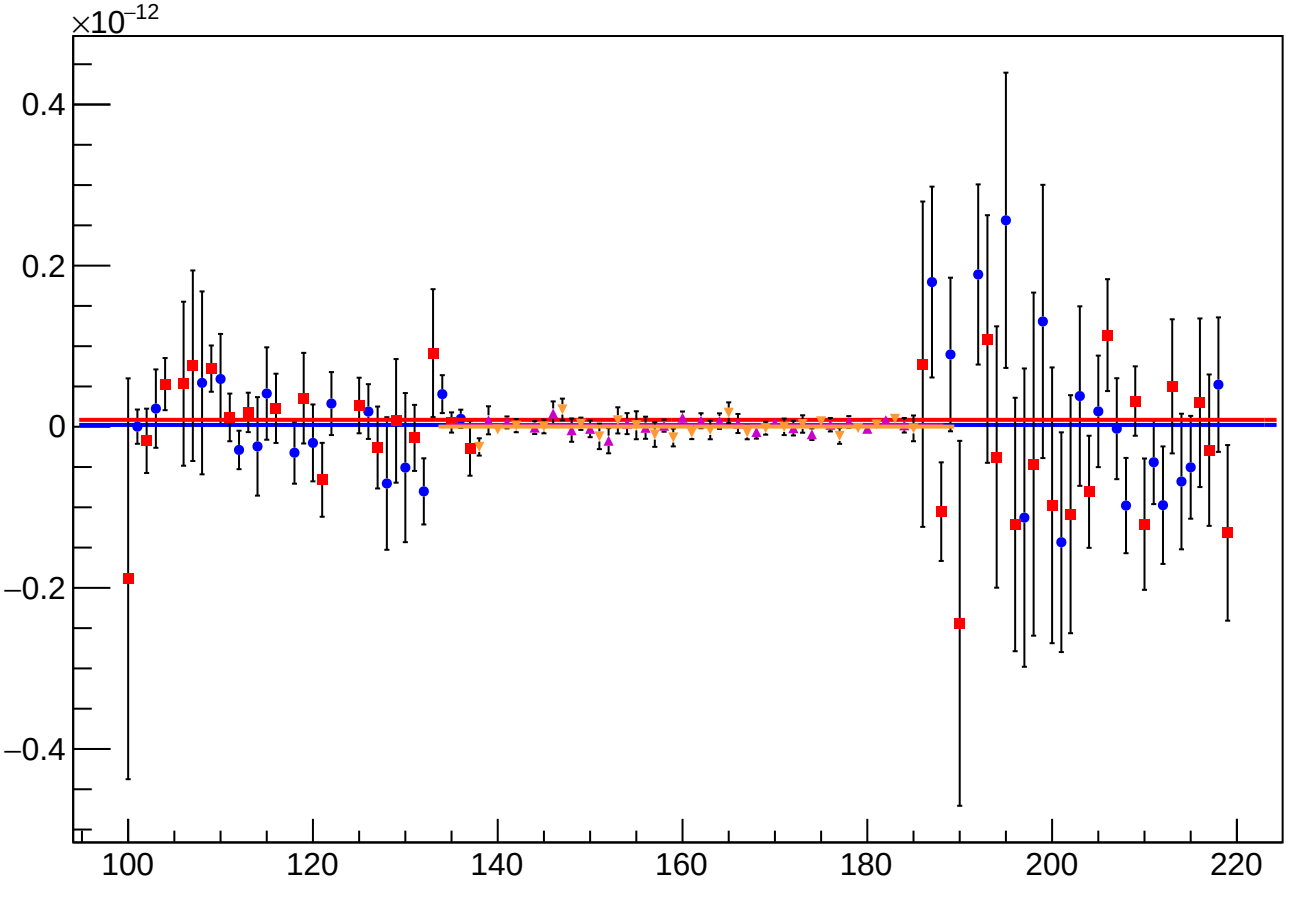
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 40.793+/-0.005 χ^2/NDF: 1641440.1/66

In: 41.324+/-0.005 χ^2/NDF:2003419.7/54

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

All: 41.366+/-0.003 χ^2/NDF: 4935181.9/113



Right In: 0.000+/-0.000 χ^2/NDF: 31.0/31

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

Right Out: 0.000+/-0.000 χ^2/NDF: 30.7/34

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

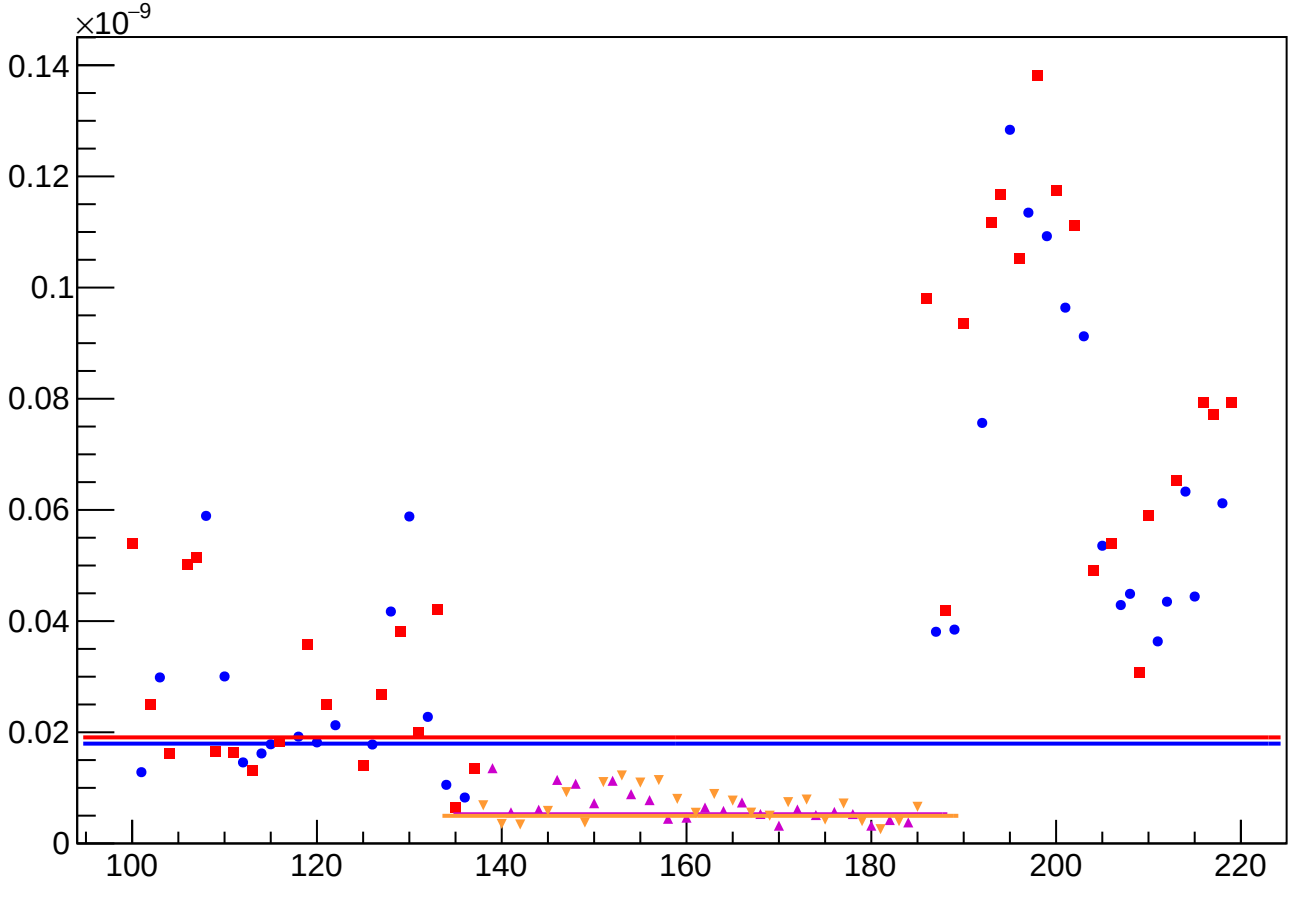
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 62.1/66

In: 0.000+/-0.000 χ^2/NDF:42.8/54

Out: 0.000+/-0.000 χ^2/NDF:53.1/58

All: 0.000+/-0.000 χ^2/NDF: 96.3/113



Right In: 0.000+/-0.000 χ^2/NDF: 10145915.0/31

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

Right Out: 0.000+/-0.000 χ^2/NDF: 12320012.9/34

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

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

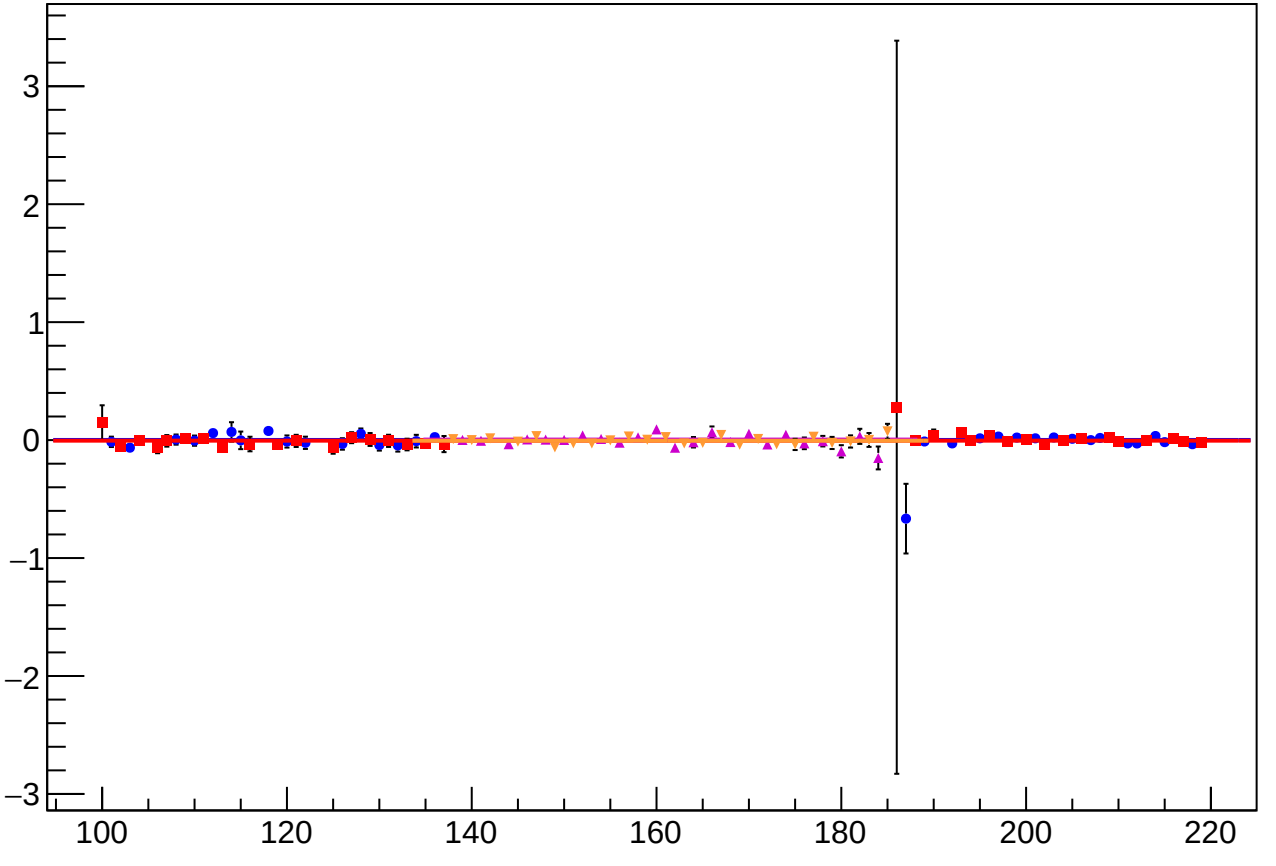
Right: 0.000+/-0.000 χ^2/NDF: 22490632.7/66

In: 0.000+/-0.000 χ^2/NDF:19058101.3/54

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

All: 0.000+/-0.000 χ^2/NDF: 41978366.8/113

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.006 χ^2/NDF: 30.5/31

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

Right Out: -0.005+/-0.006 χ^2/NDF: 24.4/34

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

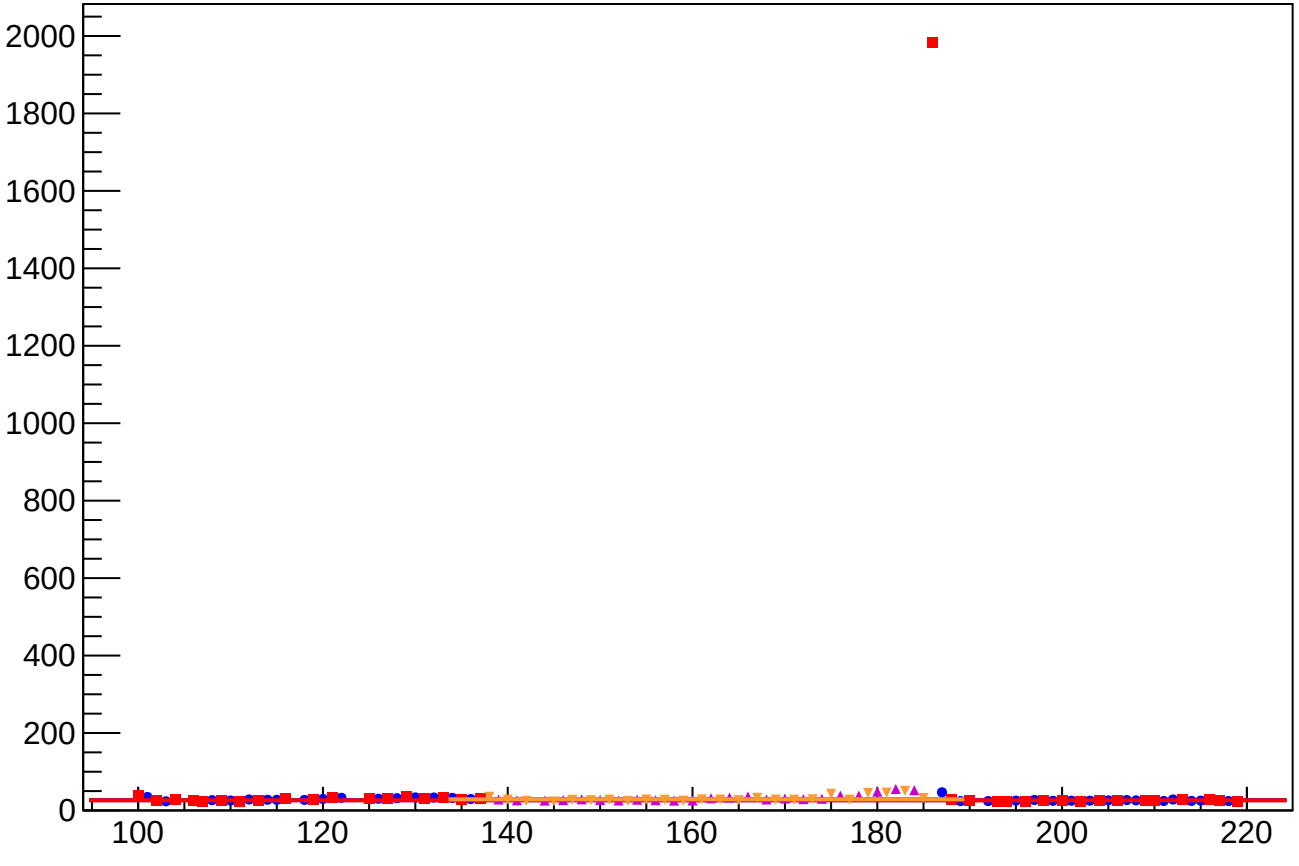
Right: -0.002+/-0.004 χ^2/NDF: 55.3/66

In: 0.002+/-0.005 χ^2/NDF:61.8/54

Out: -0.005+/-0.005 χ^2/NDF:41.2/58

All: -0.001+/-0.003 χ^2/NDF: 104.2/113

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.571+/-0.004 χ^2/NDF: 381687.7/31

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

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

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

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

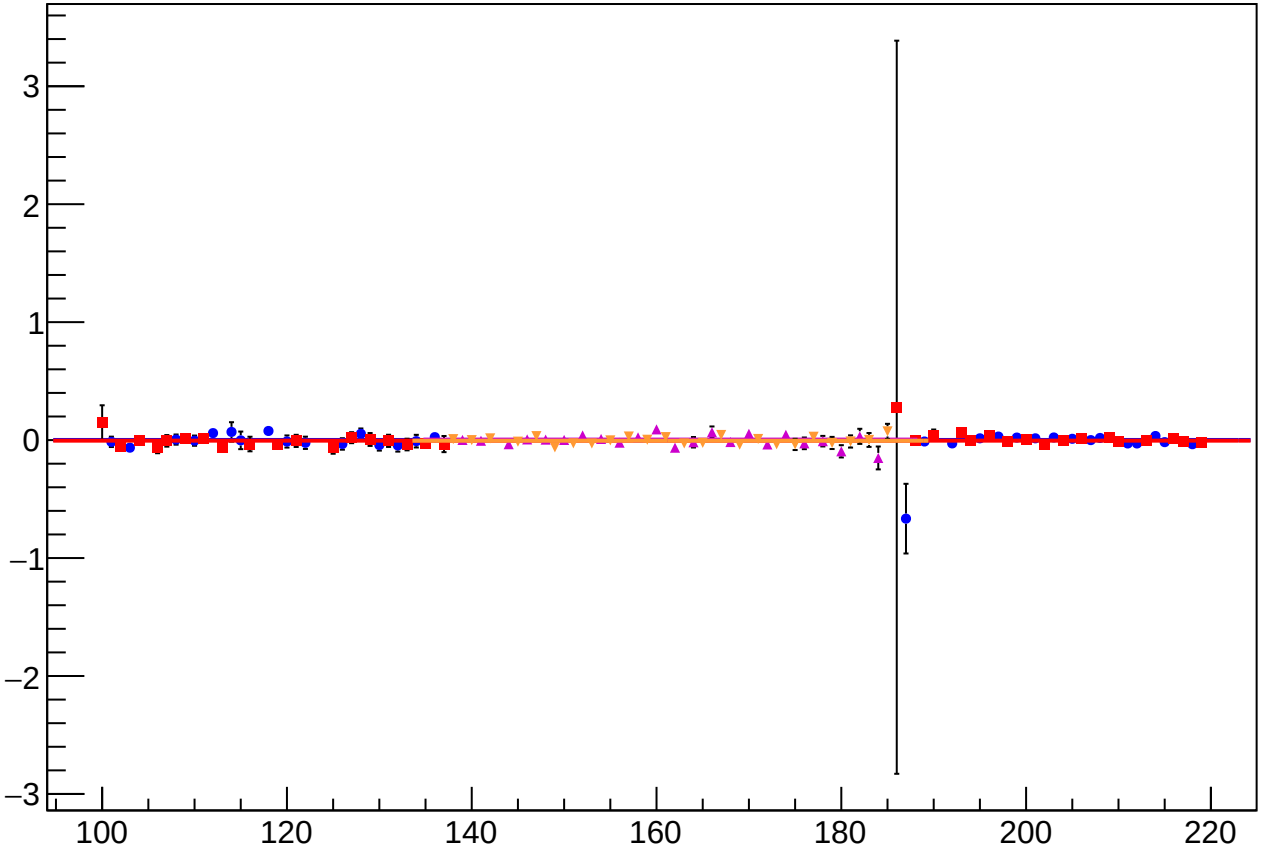
Right: 26.400+/-0.003 χ^2/NDF: 1548425.6/66

In: 27.715+/-0.003 χ^2/NDF:1682438.3/54

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

All: 27.508+/-0.002 χ^2/NDF: 4174439.2/113

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.006 χ^2/NDF: 30.5/31

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

Right Out: -0.005+/-0.006 χ^2/NDF: 24.4/34

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

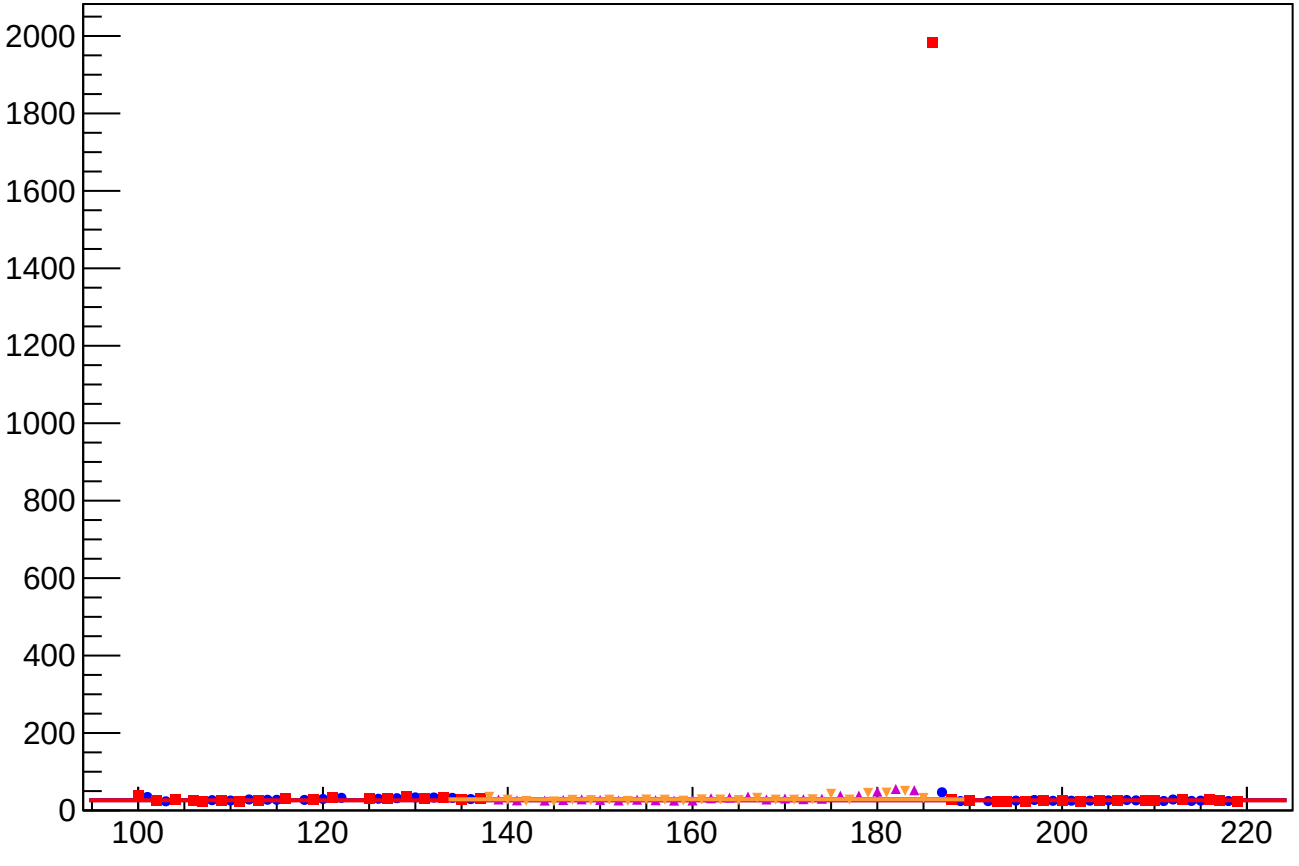
Right: -0.002+/-0.004 χ^2/NDF: 55.3/66

In: 0.002+/-0.005 χ^2/NDF:61.8/54

Out: -0.005+/-0.005 χ^2/NDF:41.2/58

All: -0.001+/-0.003 χ^2/NDF: 104.2/113

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.571+/-0.004 χ^2/NDF: 381687.7/31

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

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

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

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

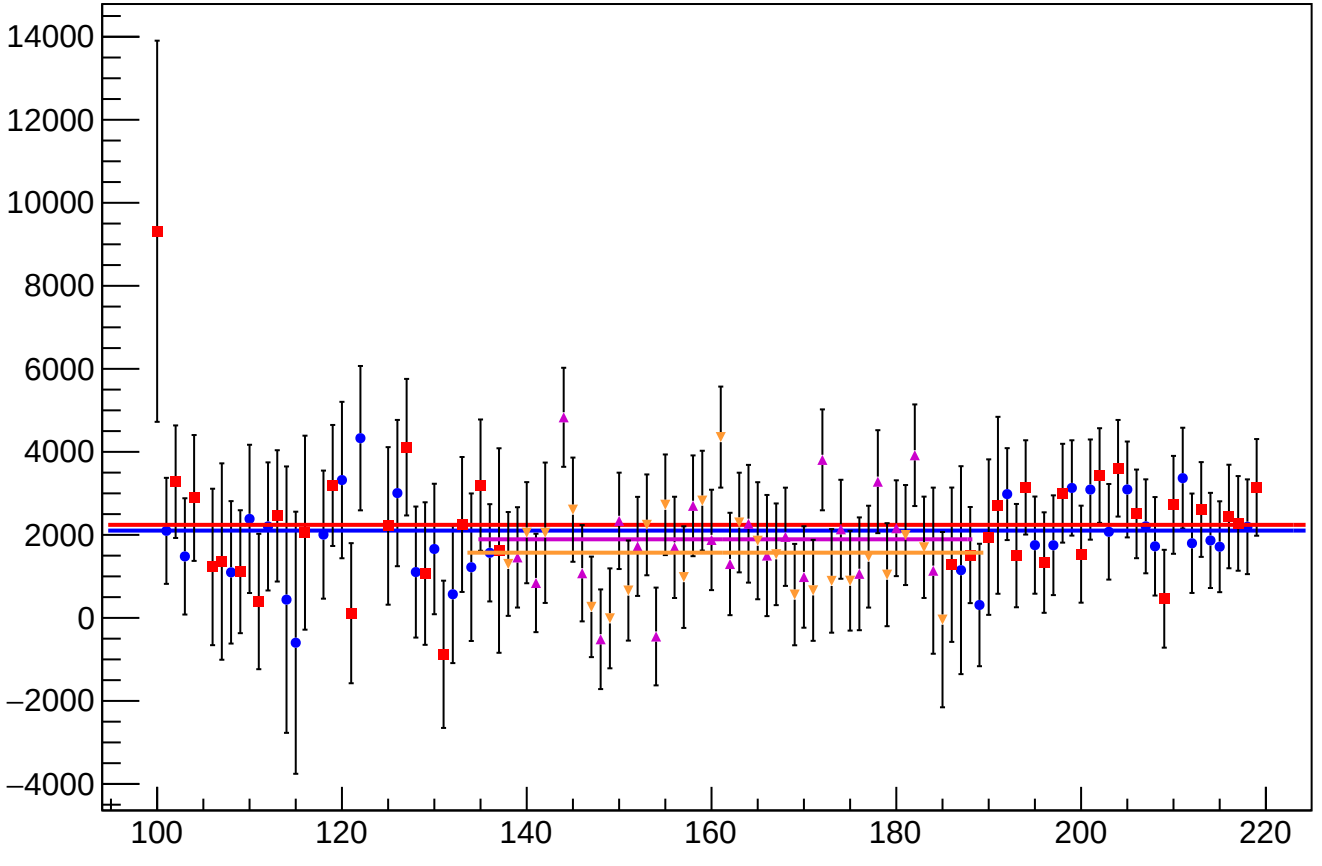
Right: 26.400+/-0.003 χ^2/NDF: 1548425.6/66

In: 27.715+/-0.003 χ^2/NDF:1682438.3/54

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

All: 27.508+/-0.002 χ^2/NDF: 4174439.2/113

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 2103.345+/-242.548 χ^2/NDF: 11.8/31

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

Right Out: 2241.834+/-237.072 χ^2/NDF: 21.5/35

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

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

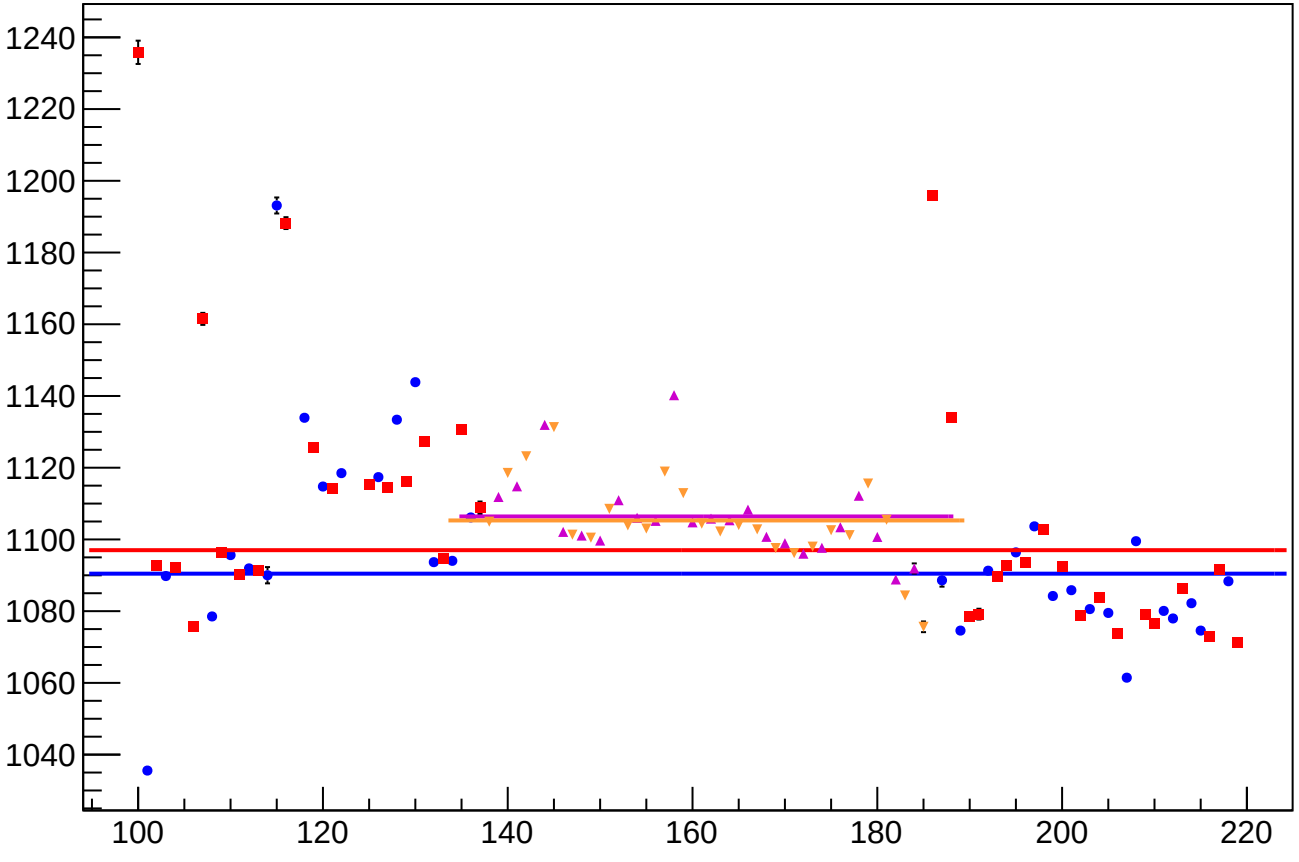
Right: 2174.170+/-169.538 χ^2/NDF: 33.4/67

In: 2004.960+/-176.826 χ^2/NDF:36.2/54

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

All: 1968.348+/-124.064 χ^2/NDF: 76.9/114

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1090.454+/-0.172 χ^2/NDF: 16260.4/31

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

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

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

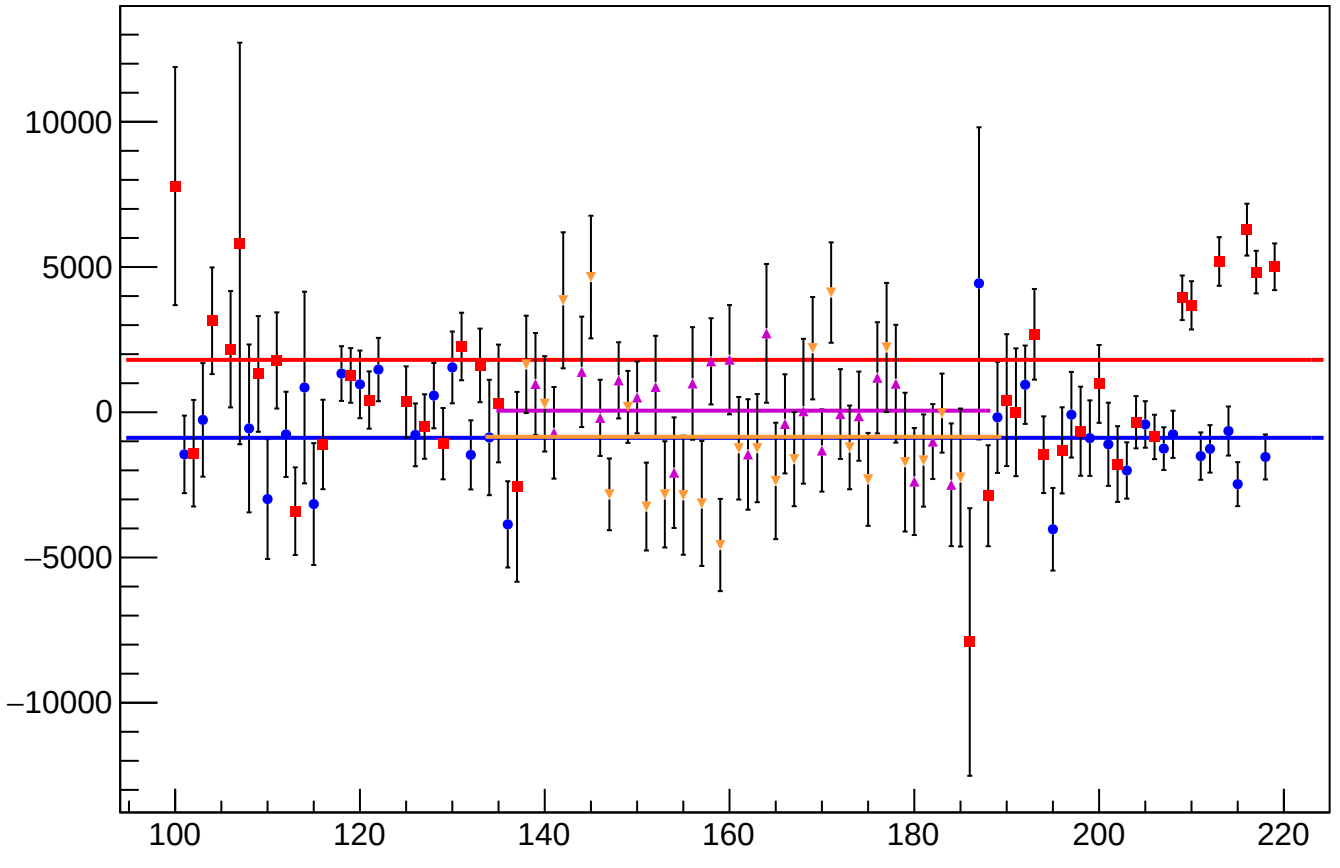
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1093.805+/-0.120 χ^2/NDF: 39867.4/67

In: 1097.927+/-0.125 χ^2/NDF:24089.3/54

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

All: 1099.398+/-0.088 χ^2/NDF: 51510.5/114



Right In: -880.279+/-199.730 χ^2/NDF: 41.4/31

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

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

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

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

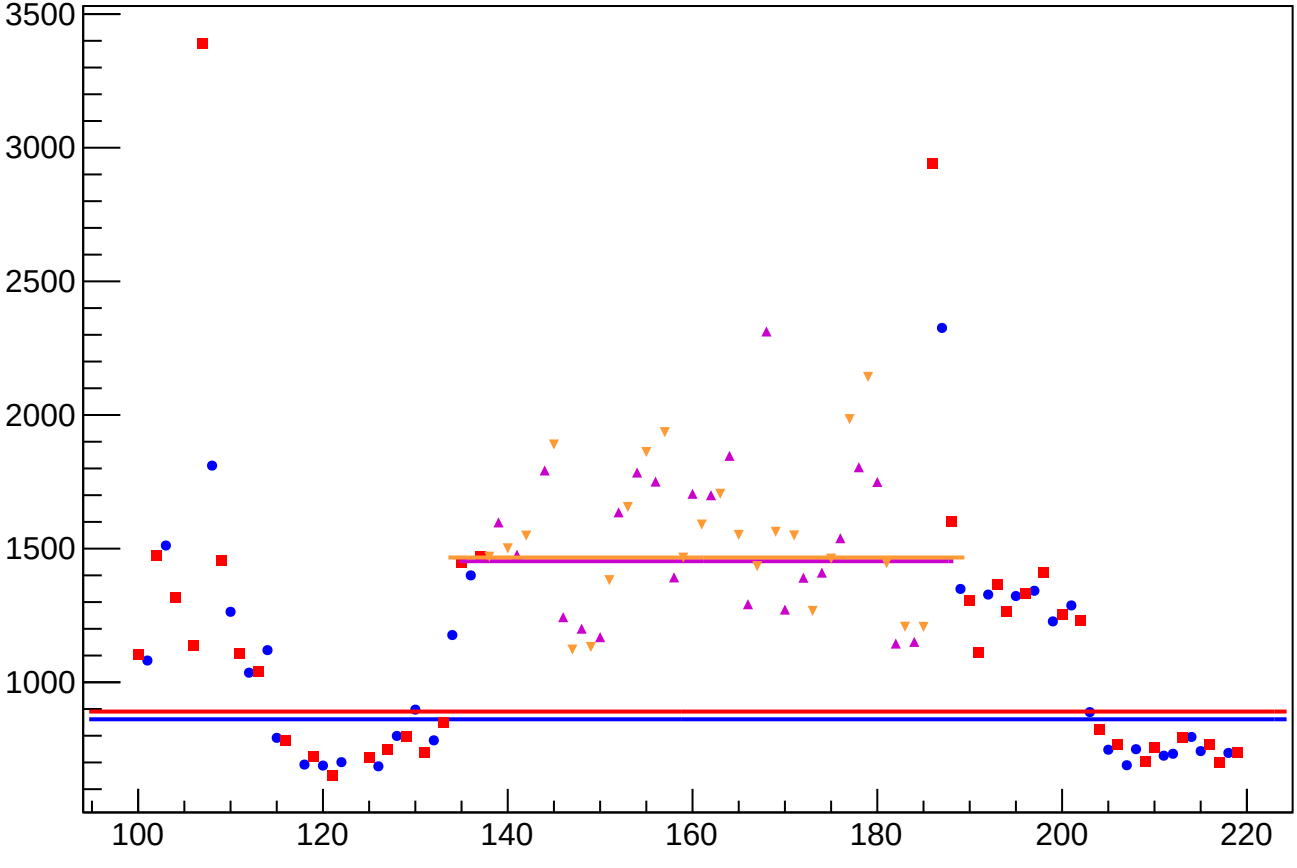
Right: 443.198+/-142.219 χ^2/NDF: 307.3/67

In: -646.642+/-172.974 χ^2/NDF:59.9/54

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

All: 232.510+/-123.013 χ^2/NDF: 376.6/114

asym_usl_reg_correction_rms vs Slug, Sign Corrected



Right In: 861.528+/-0.141 χ^2/NDF: 2830974.5/31

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

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

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

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

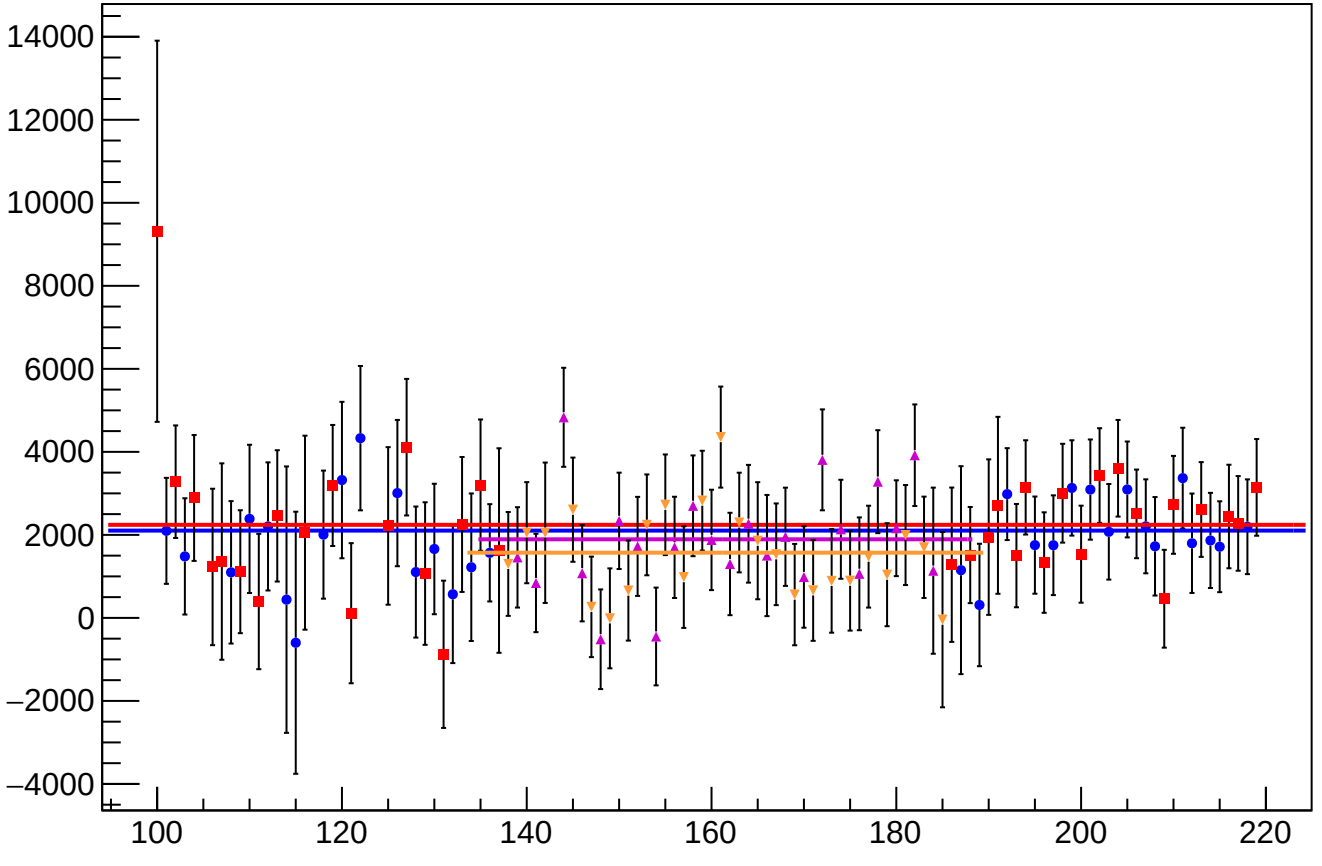
Right: 875.774+/-0.101 χ^2/NDF: 6559492.1/67

In: 1009.379+/-0.122 χ^2/NDF:8344741.6/54

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

All: 1022.885+/-0.087 χ^2/NDF: 17230690.8/1

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2103.345+/-242.548 χ^2/NDF: 11.8/31

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

Right Out: 2241.827+/-237.072 χ^2/NDF: 21.5/35

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

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

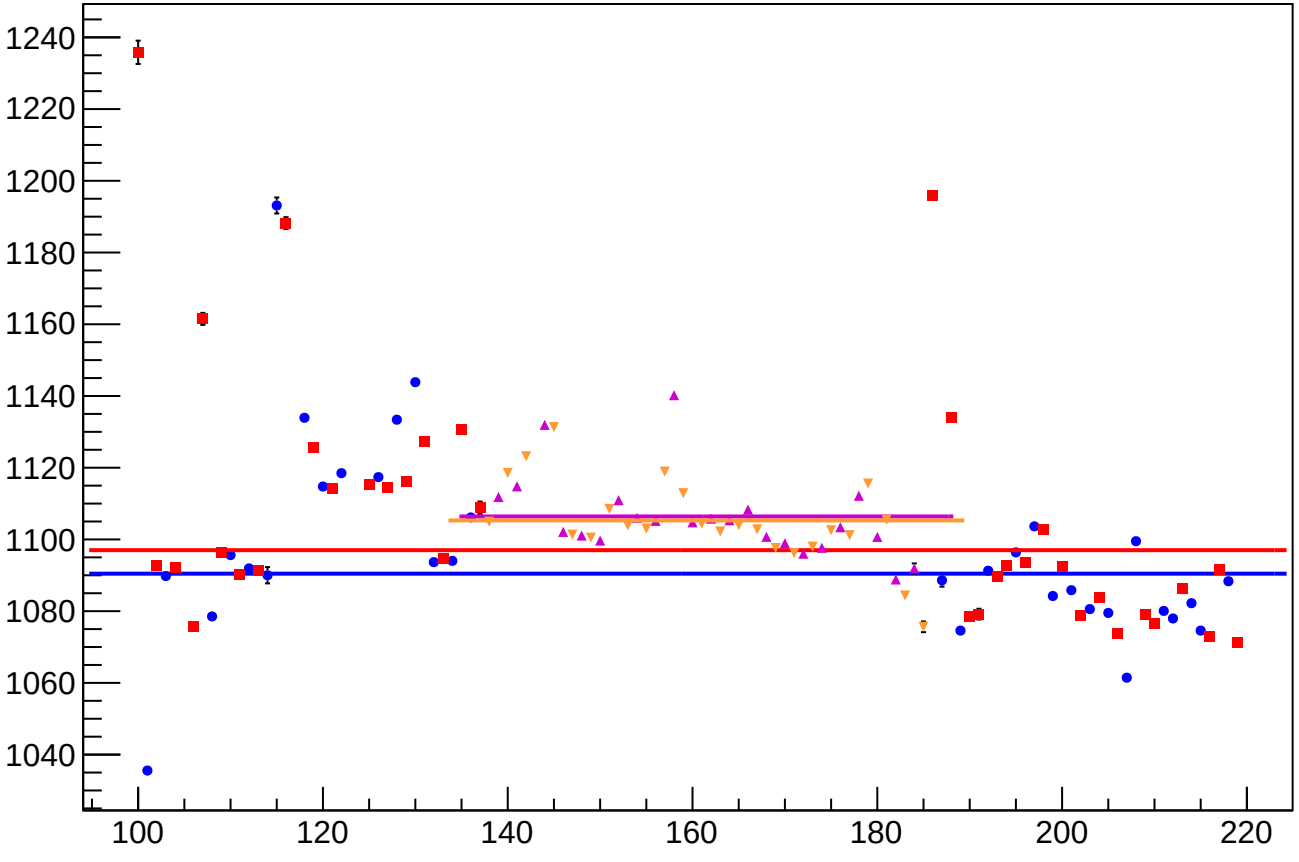
Right: 2174.167+/-169.538 χ^2/NDF: 33.4/67

In: 2004.960+/-176.826 χ^2/NDF:36.2/54

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

All: 1968.347+/-124.064 χ^2/NDF: 76.9/114

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1090.454+/-0.172 χ^2/NDF: 16260.4/31

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

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

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

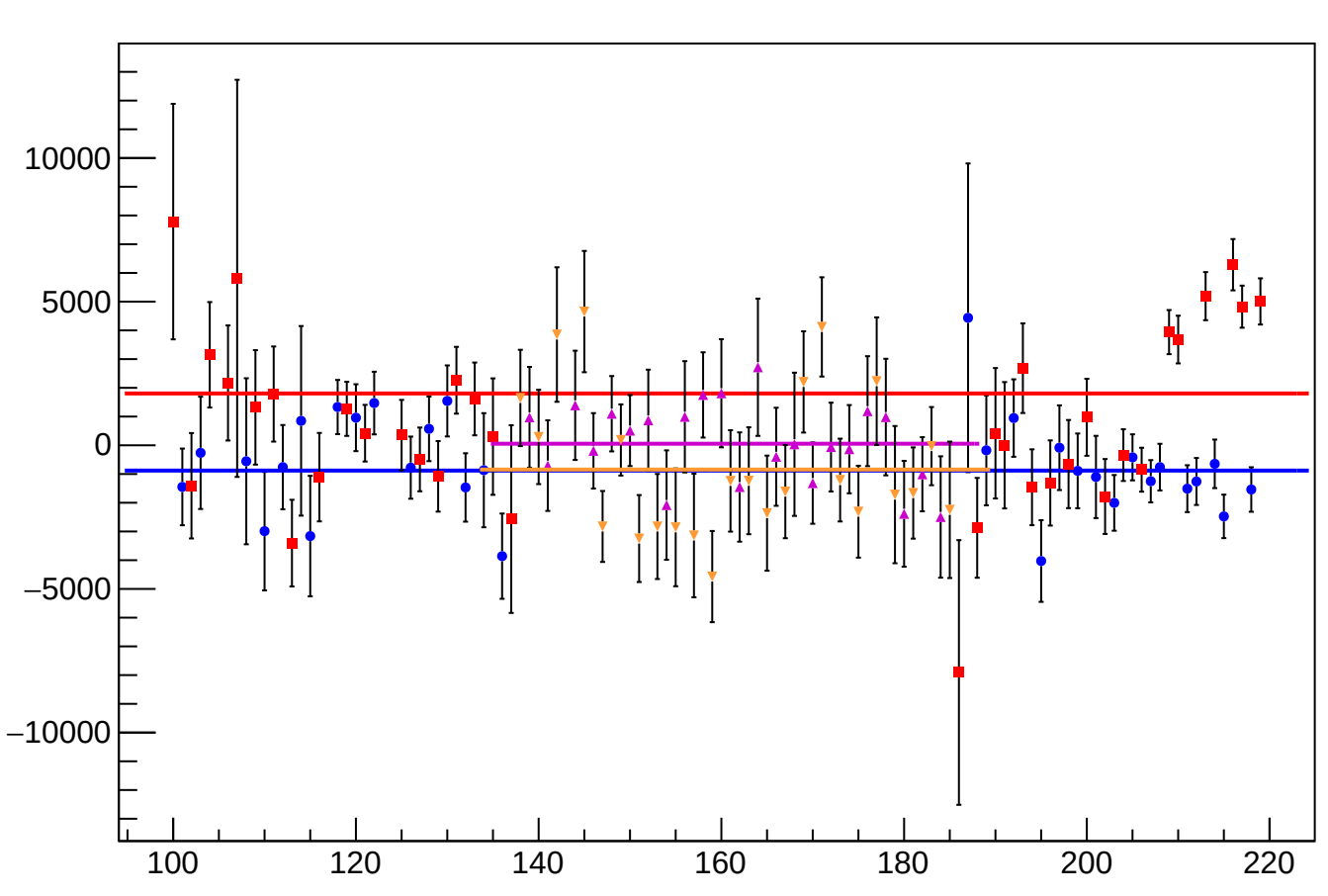
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1093.805+/-0.120 χ^2/NDF: 39867.4/67

In: 1097.927+/-0.125 χ^2/NDF:24089.3/54

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

All: 1099.398+/-0.088 χ^2/NDF: 51510.5/114



Right In: -880.279+/-199.730 χ^2/NDF: 41.4/31

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

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

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

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

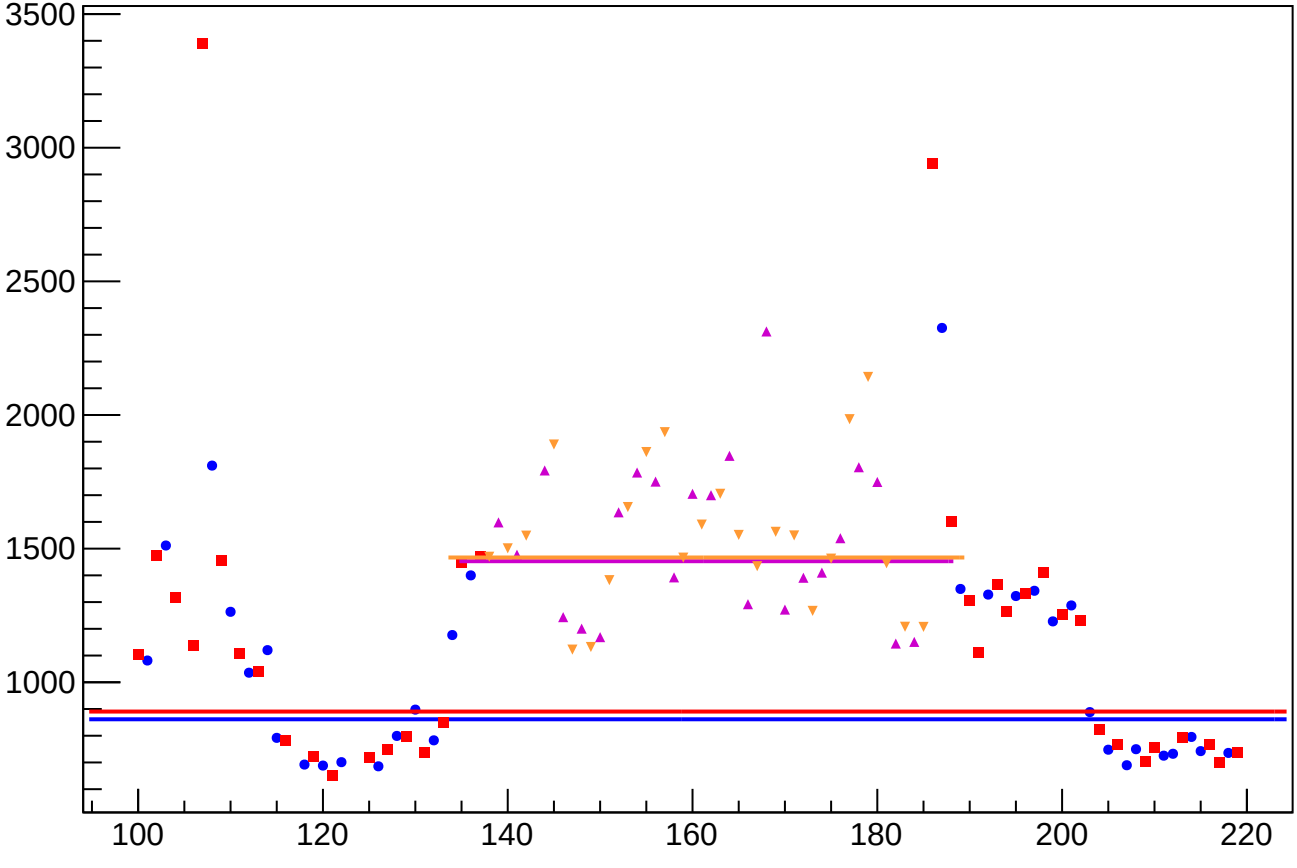
Right: 443.198+/-142.219 χ^2/NDF: 307.3/67

In: -646.642+/-172.974 χ^2/NDF:59.9/54

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

All: 232.510+/-123.013 χ^2/NDF: 376.6/114

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 861.528+/-0.141 χ^2/NDF: 2830974.5/31

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

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

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

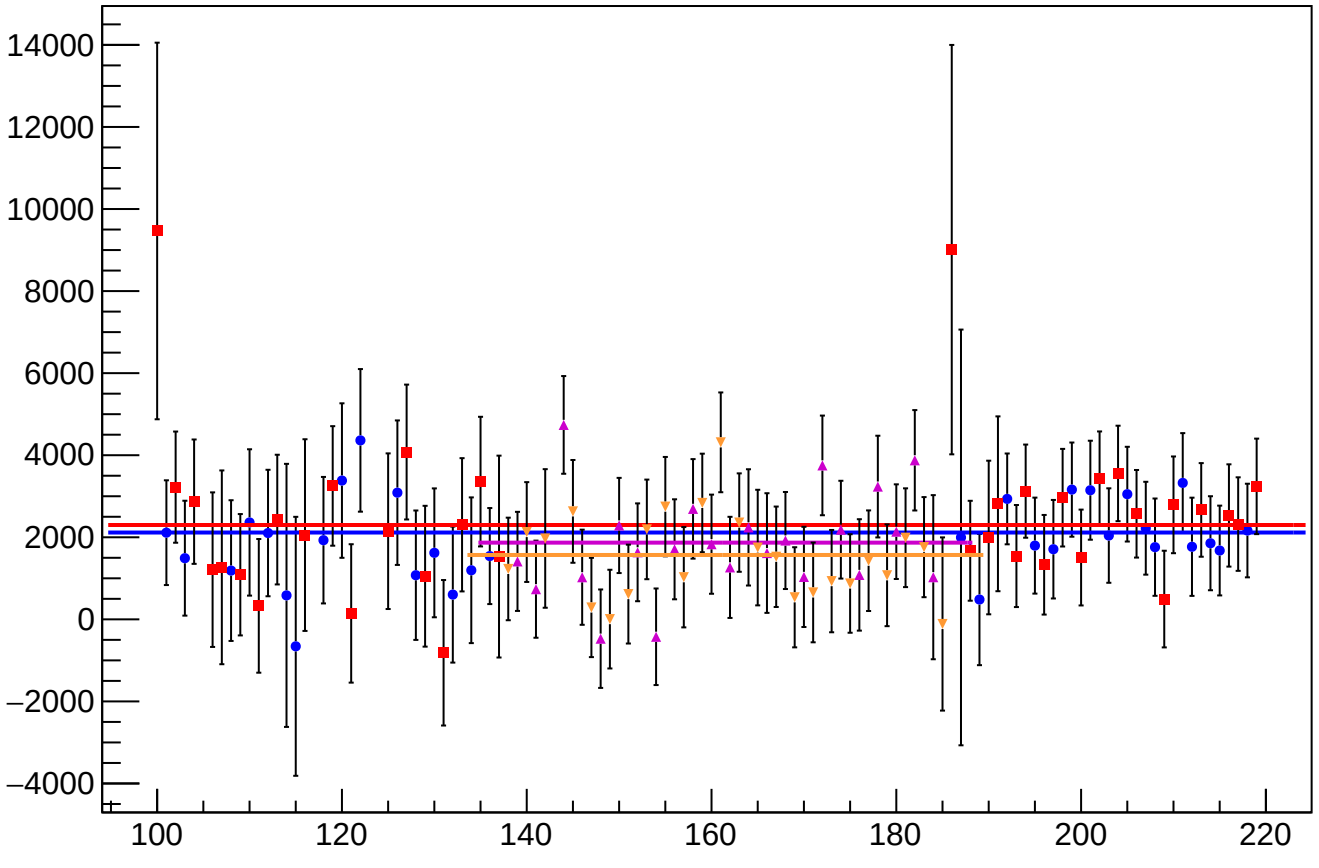
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 875.774+/-0.101 χ^2/NDF: 6559490.1/67

In: 1009.379+/-0.122 χ^2/NDF:8344741.6/54

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

All: 1022.885+/-0.087 χ^2/NDF: 17230689.9/1



Right In: 2116.030+/-243.749 χ^2/NDF: 11.2/31

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

Right Out: 2299.363+/-239.111 χ^2/NDF: 23.1/35

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

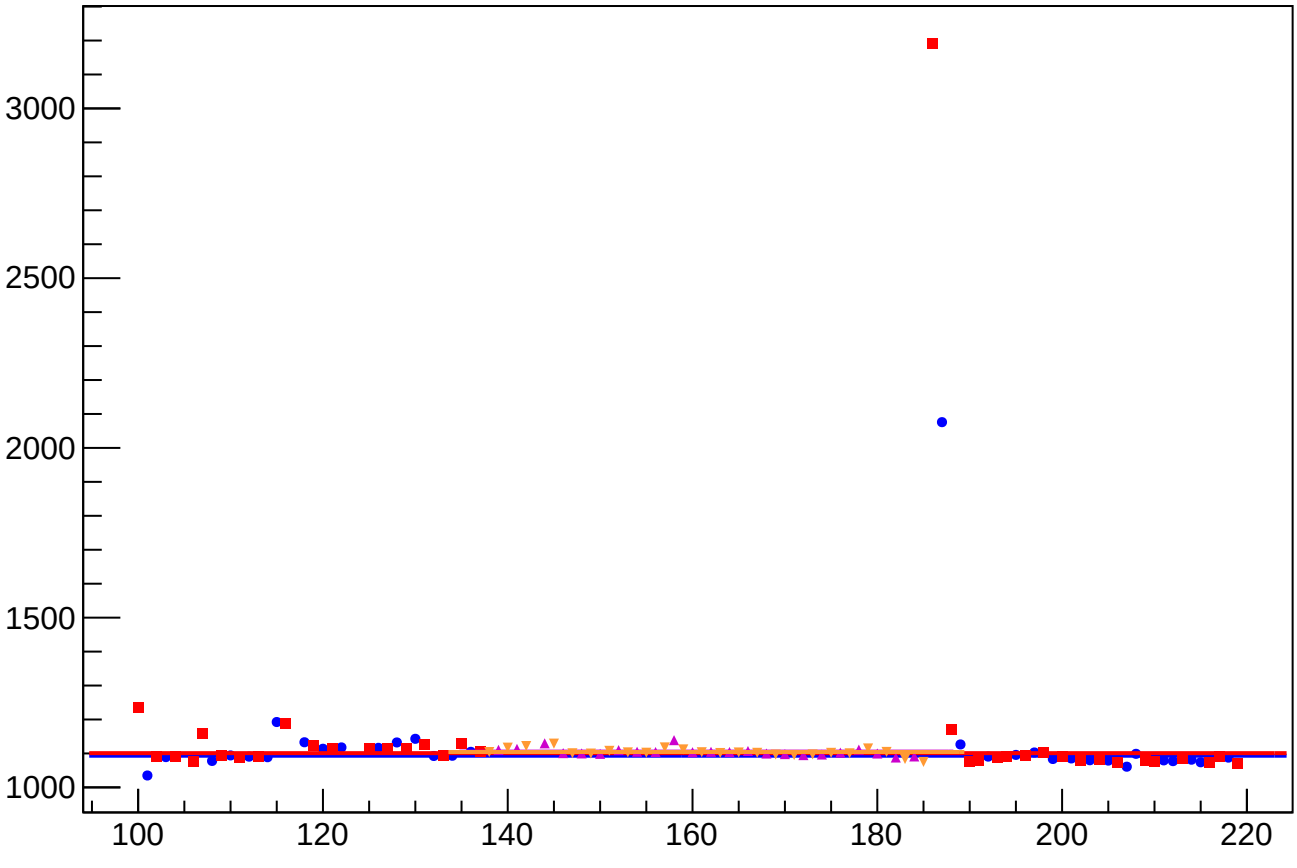
Left: 1718.009+/-181.862 χ^2/NDF: 39.5/46

Right: 2209.457+/-170.693 χ^2/NDF: 34.6/67

In: 1999.734+/-177.213 χ^2/NDF:35.1/54

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

All: 1979.287+/-124.460 χ^2/NDF: 78.0/114



Right In: 1093.306+/-0.172 χ^2/NDF: 92294.5/31

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

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

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

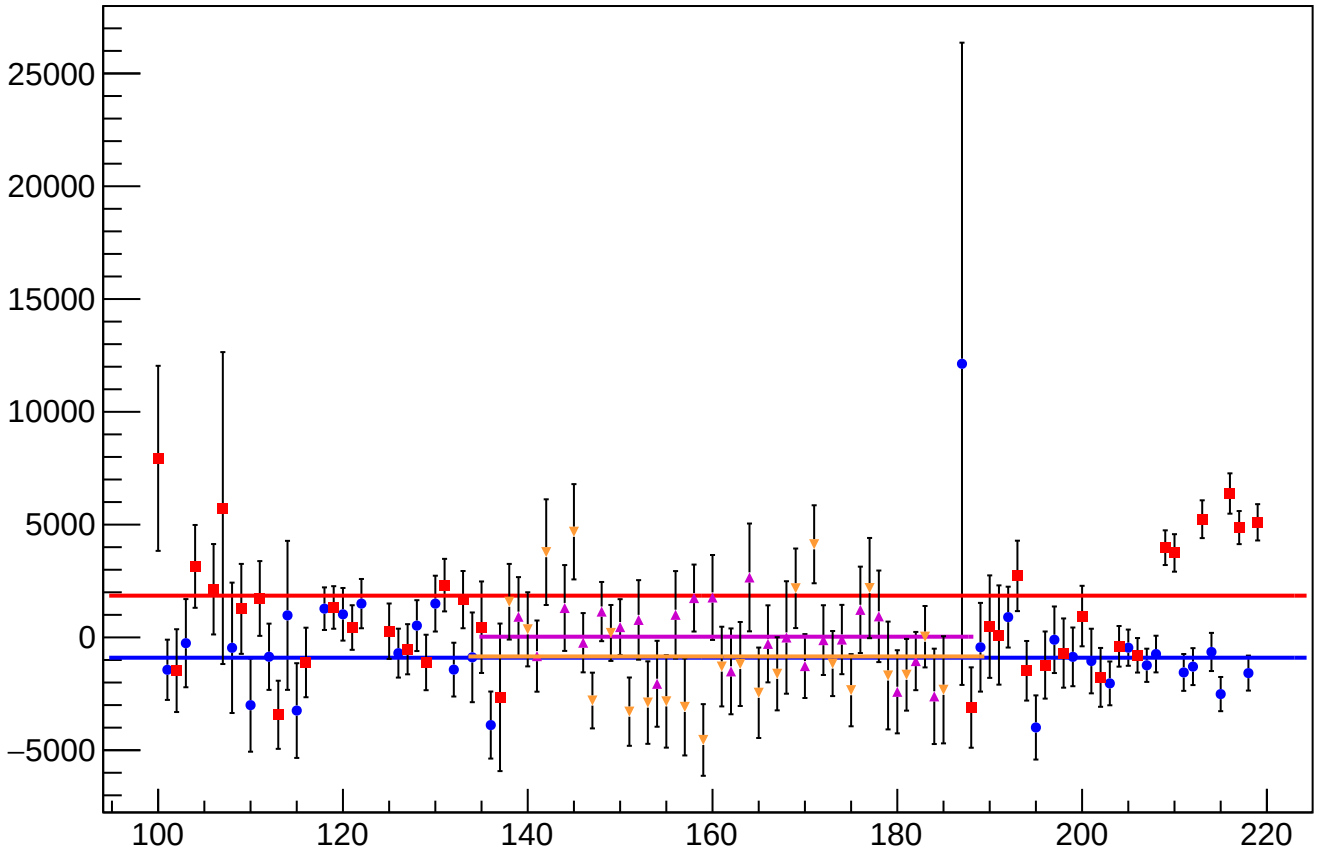
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1097.157+/-0.121 χ^2/NDF: 467573.6/67

In: 1098.998+/-0.125 χ^2/NDF:98269.4/54

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

All: 1100.744+/-0.088 χ^2/NDF: 476138.2/114



Right In: -899.503+/-200.145 χ^2/NDF: 41.2/31

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

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

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

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

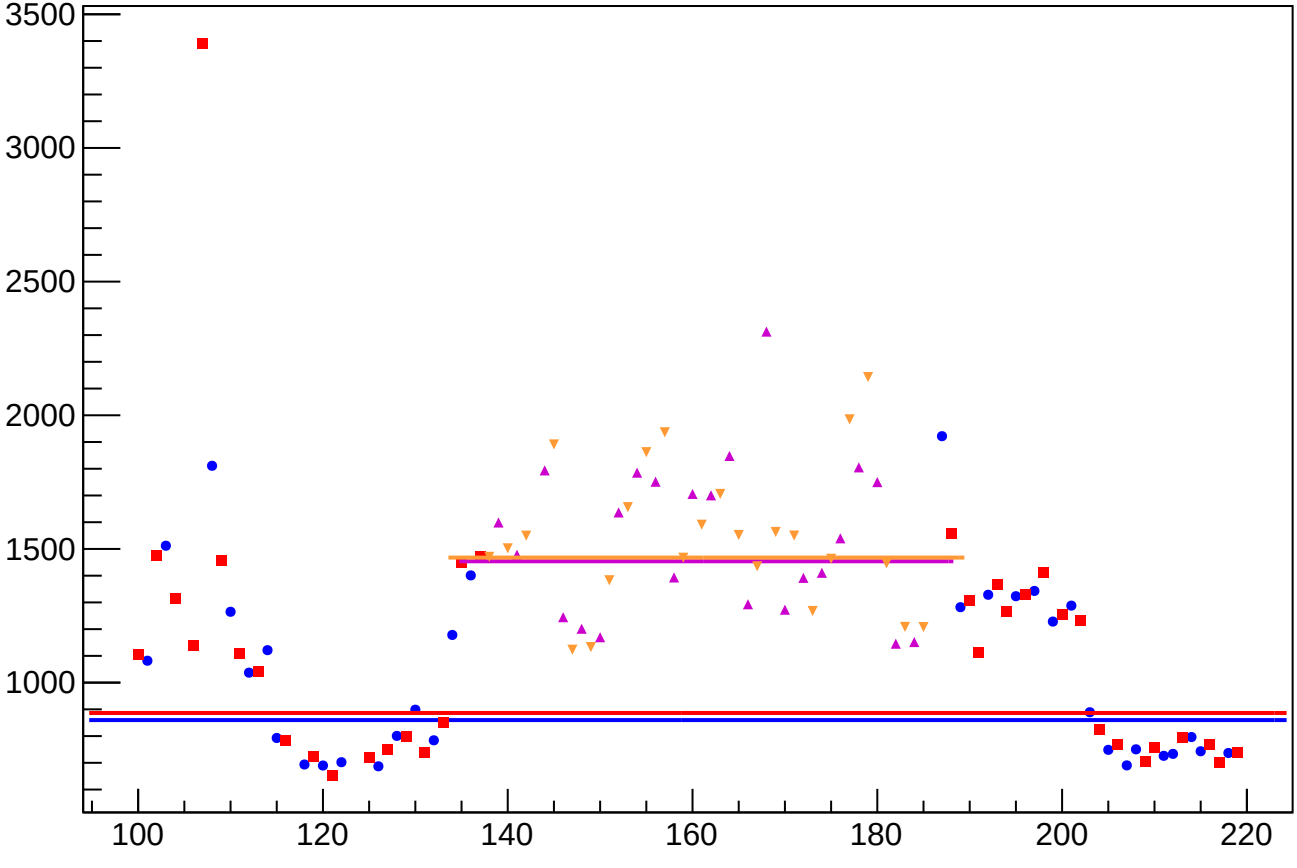
Right: 455.906+/-142.545 χ^2/NDF: 310.4/66

In: -666.271+/-173.267 χ^2/NDF:59.7/54

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

All: 238.723+/-123.241 χ^2/NDF: 379.9/113

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 859.853+/-0.142 χ^2/NDF: 2647999.3/31

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

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

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

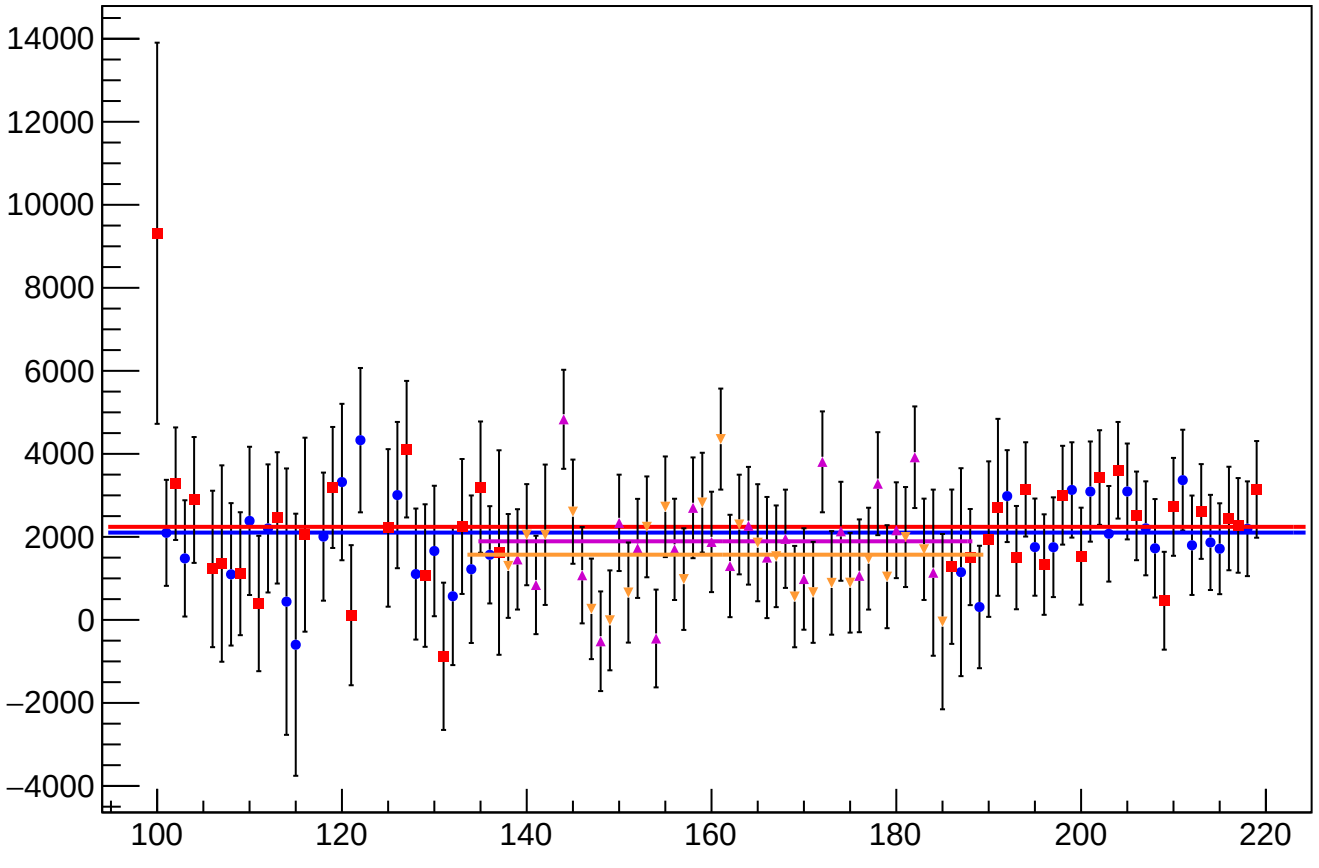
Left: 1460.738+/-0.173 χ^2/NDF: 2171472.5/46

Right: 872.942+/-0.101 χ^2/NDF: 5909952.1/66

In: 1008.673+/-0.123 χ^2/NDF:8189440.9/54

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

All: 1021.364+/-0.087 χ^2/NDF: 16668622.1/1



Right In: 2103.345+/-242.548 χ^2/NDF: 11.8/31

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

Right Out: 2241.827+/-237.072 χ^2/NDF: 21.5/35

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

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

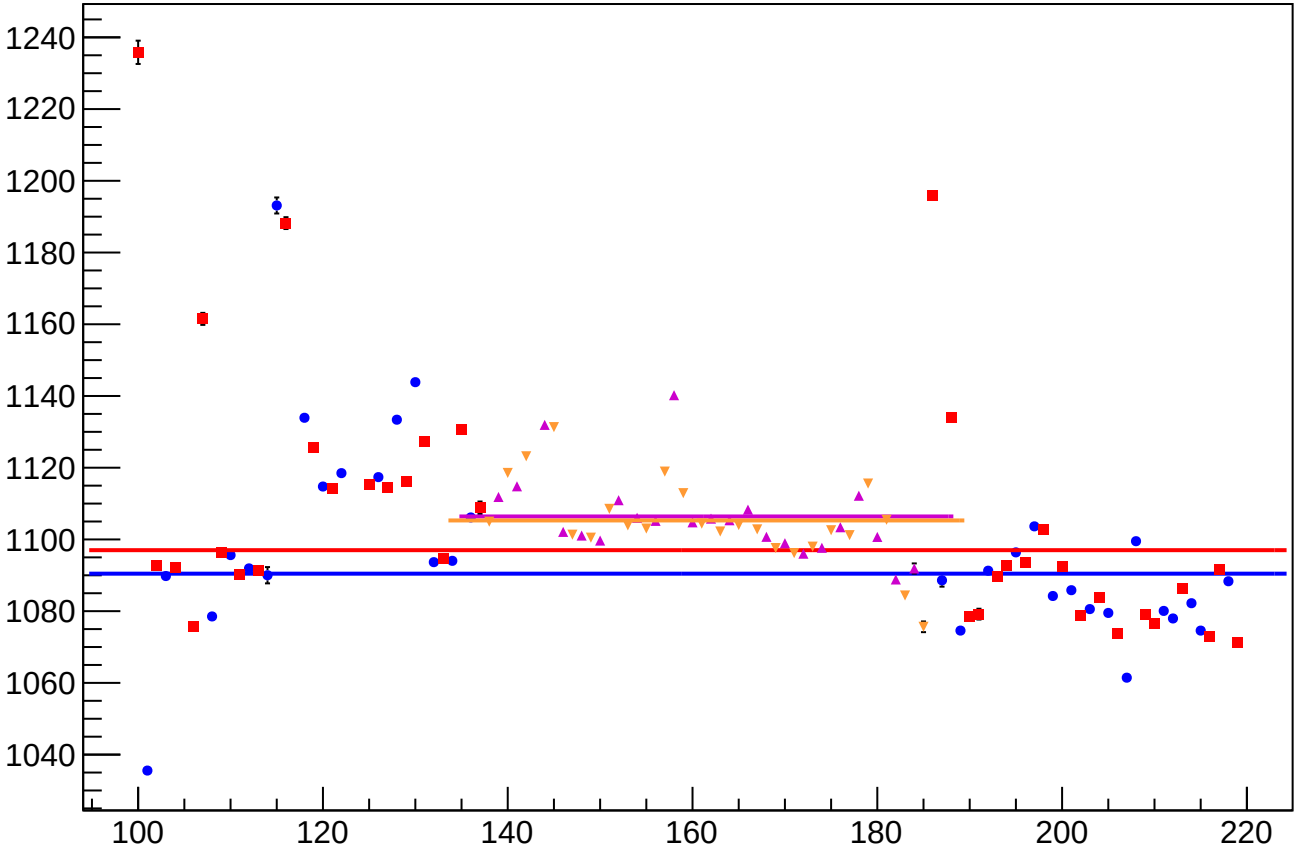
Right: 2174.167+/-169.538 χ^2/NDF: 33.4/67

In: 2004.960+/-176.826 χ^2/NDF:36.2/54

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

All: 1968.347+/-124.064 χ^2/NDF: 76.9/114

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1090.454+/-0.172 χ^2/NDF: 16260.4/31

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

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

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

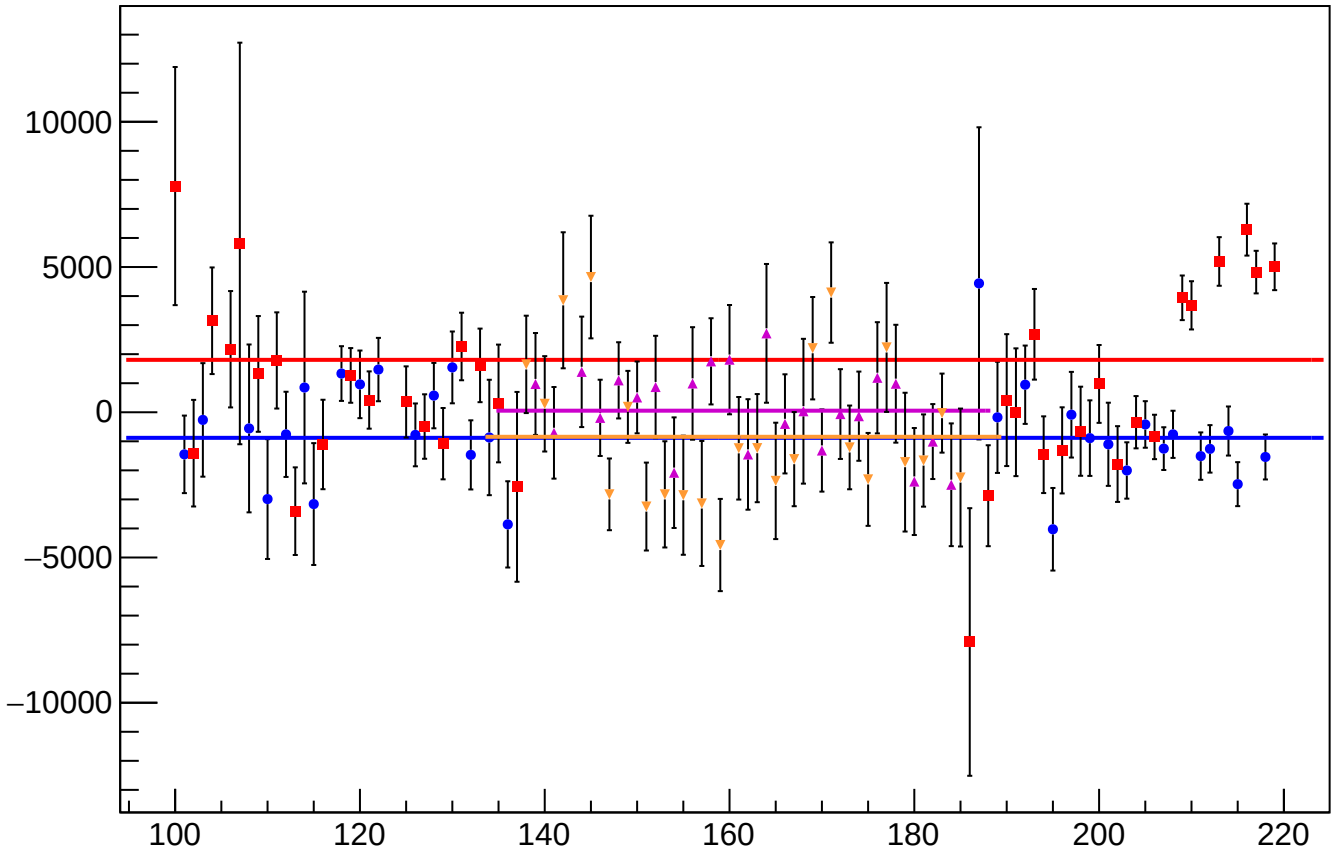
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1093.805+/-0.120 χ^2/NDF: 39867.4/67

In: 1097.927+/-0.125 χ^2/NDF:24089.3/54

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

All: 1099.398+/-0.088 χ^2/NDF: 51510.5/114



Right In: -880.279+/-199.730 χ^2/NDF: 41.4/31

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

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

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

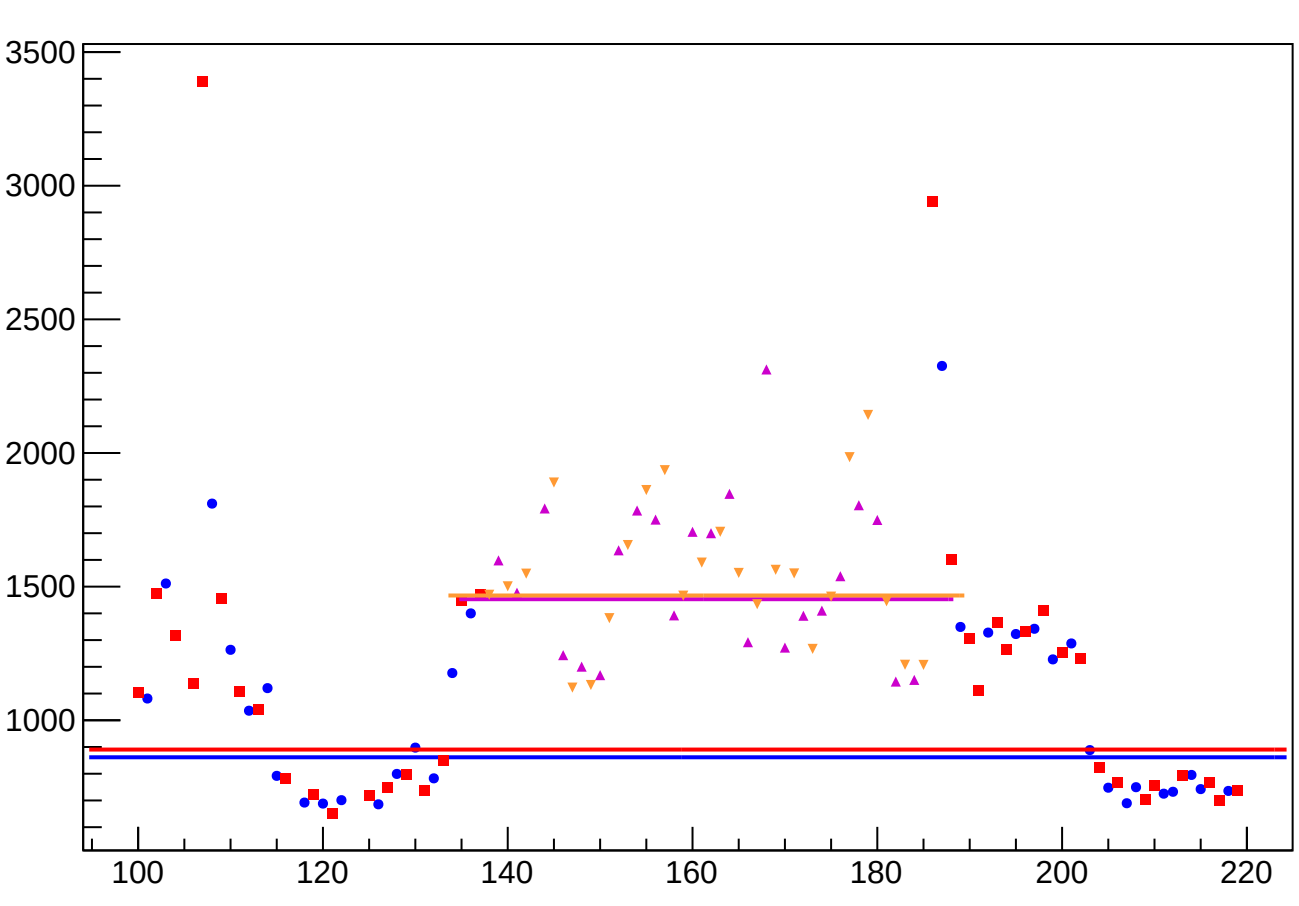
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 443.198+/-142.219 χ^2/NDF: 307.3/67

In: -646.642+/-172.974 χ^2/NDF:59.9/54

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

All: 232.510+/-123.013 χ^2/NDF: 376.6/114



Right In: 861.528+/-0.141 χ^2/NDF: 2830974.5/31

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

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

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

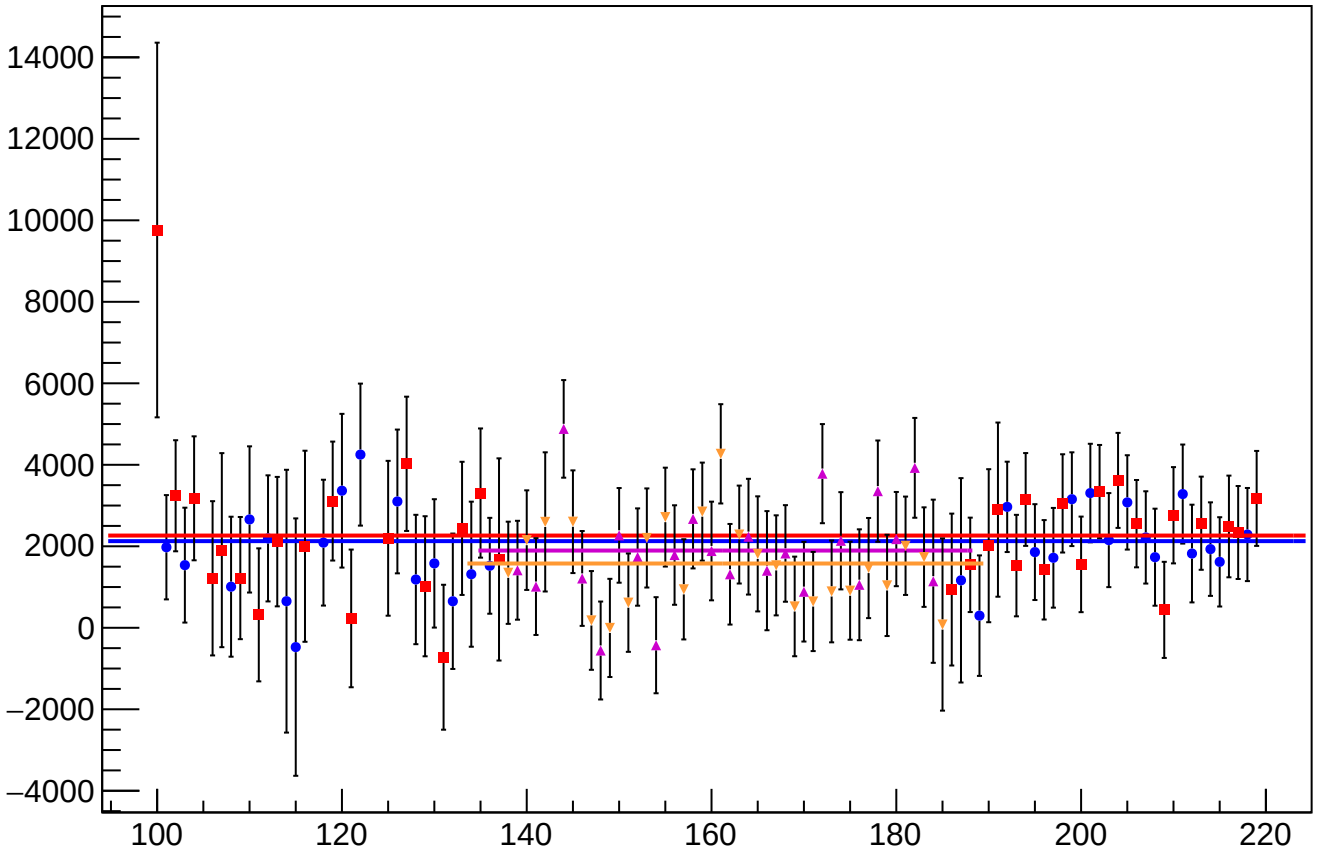
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 875.774+/-0.101 χ^2/NDF: 6559490.1/67

In: 1009.379+/-0.122 χ^2/NDF:8344741.6/54

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

All: 1022.885+/-0.087 χ^2/NDF: 17230689.9/1



Right In: 2126.732+/-243.243 χ^2/NDF: 11.7/31

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

Right Out: 2263.505+/-237.818 χ^2/NDF: 21.4/35

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

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

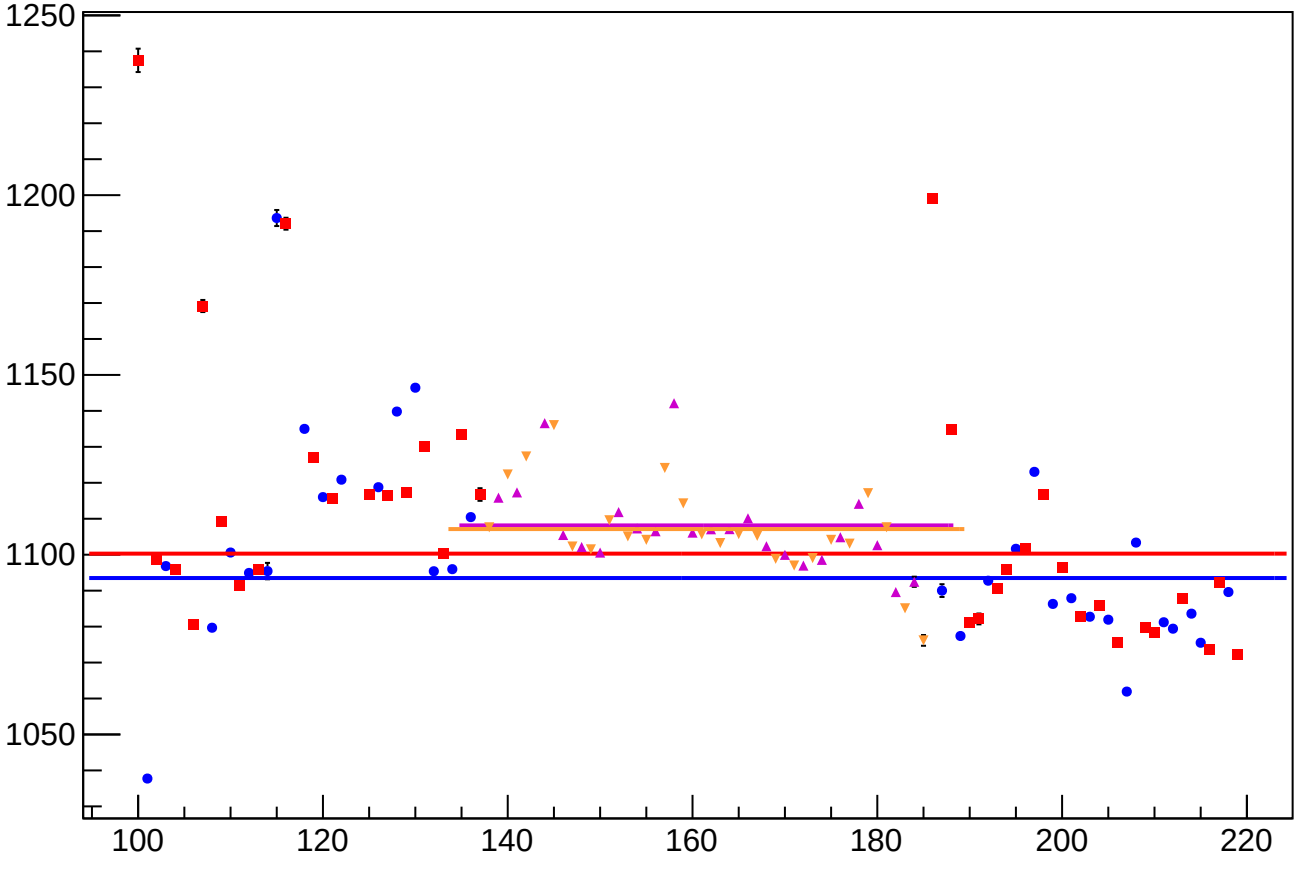
Right: 2196.661+/-170.048 χ^2/NDF: 33.3/67

In: 2018.275+/-177.228 χ^2/NDF:36.3/54

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

All: 1982.103+/-124.362 χ^2/NDF: 77.1/114

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1093.510+/-0.172 χ^2/NDF: 17878.8/31

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

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

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

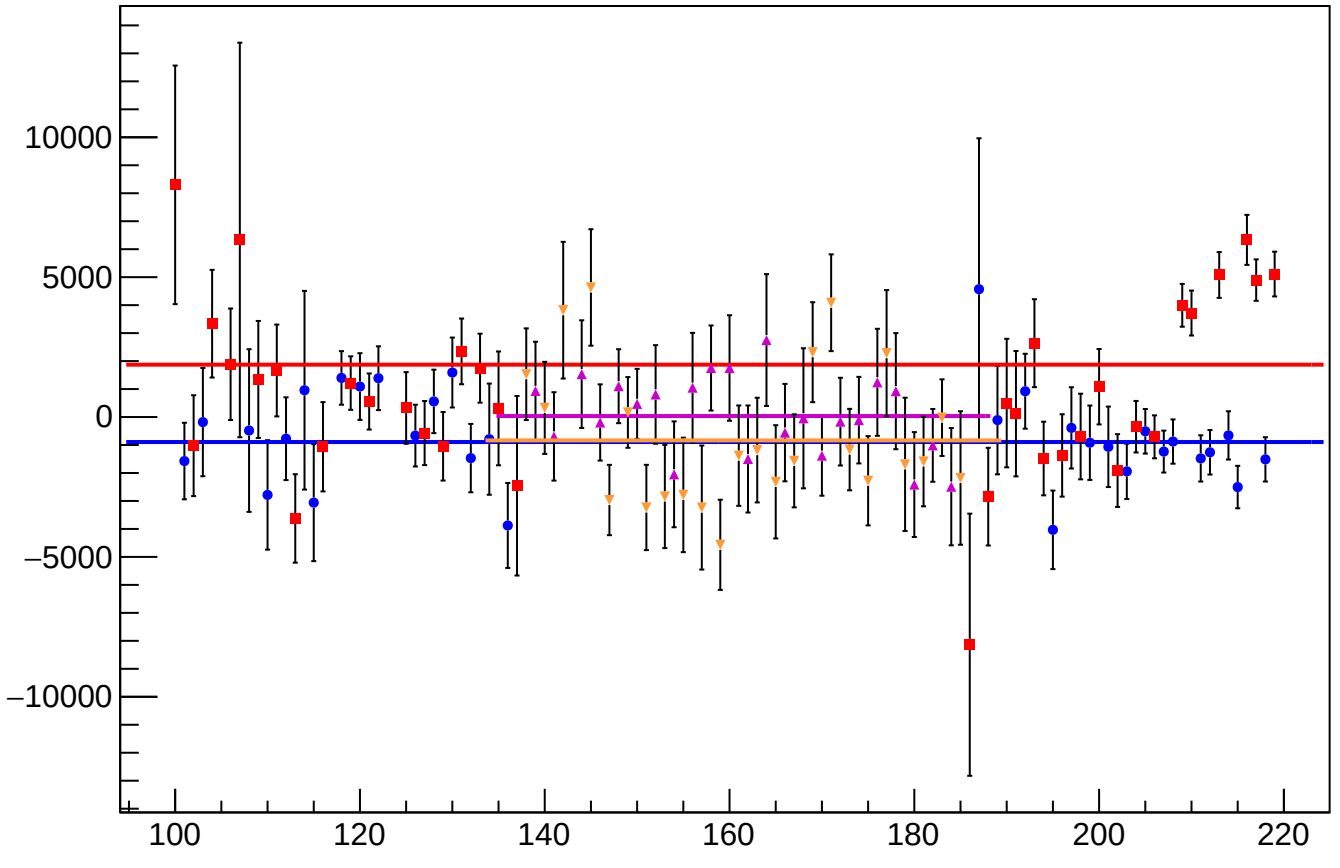
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1096.979+/-0.120 χ^2/NDF: 42323.0/67

In: 1100.376+/-0.125 χ^2/NDF:25465.8/54

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

All: 1101.935+/-0.088 χ^2/NDF: 53964.1/114



Right In: -893.083+/-201.298 χ^2/NDF: 40.5/31

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

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

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

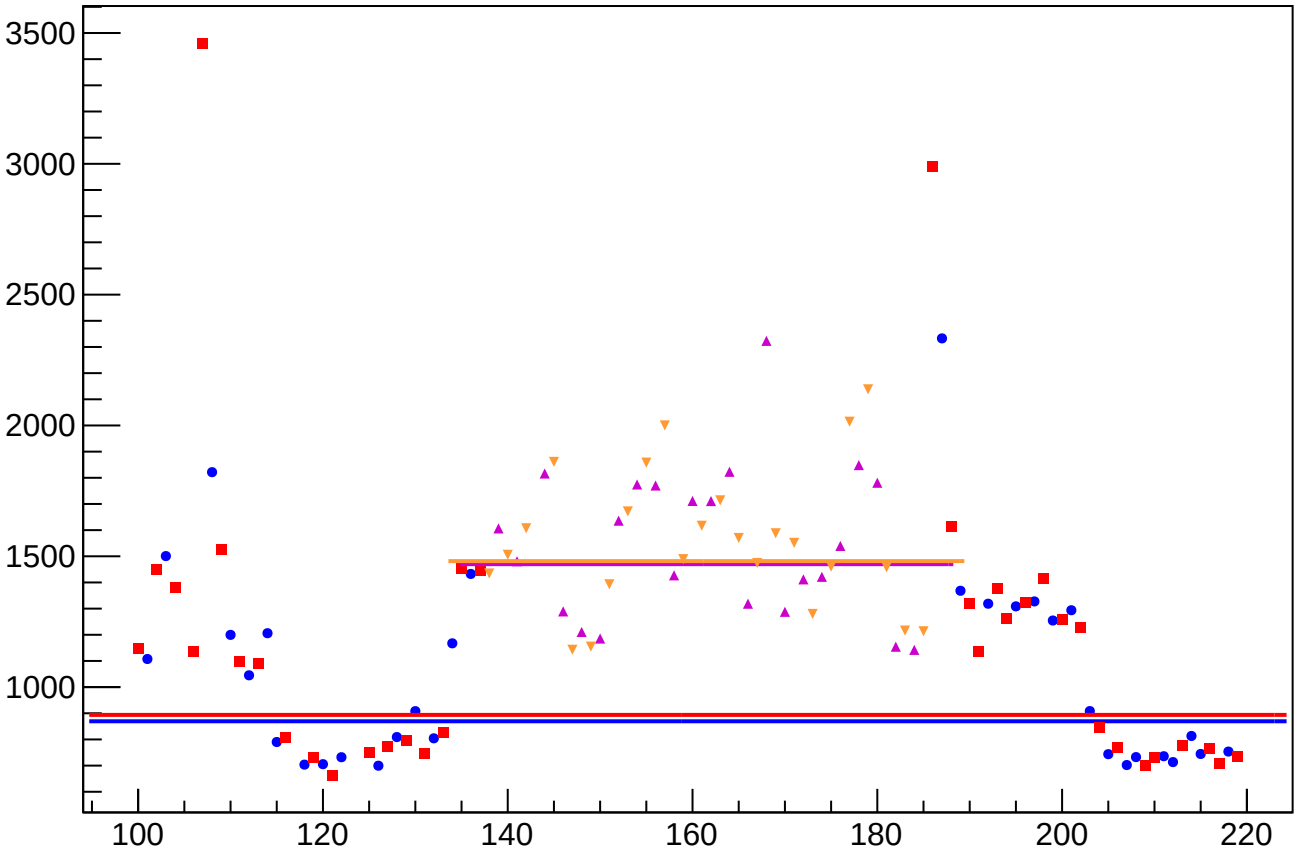
Left: -398.668+/-247.575 χ^2/NDF: 59.8/46

Right: 475.420+/-143.064 χ^2/NDF: 311.1/67

In: -661.908+/-174.451 χ^2/NDF:58.9/54

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

All: 256.608+/-123.870 χ^2/NDF: 380.3/114



Right In: 869.407+/-0.142 χ^2/NDF: 2789147.0/31

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

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

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

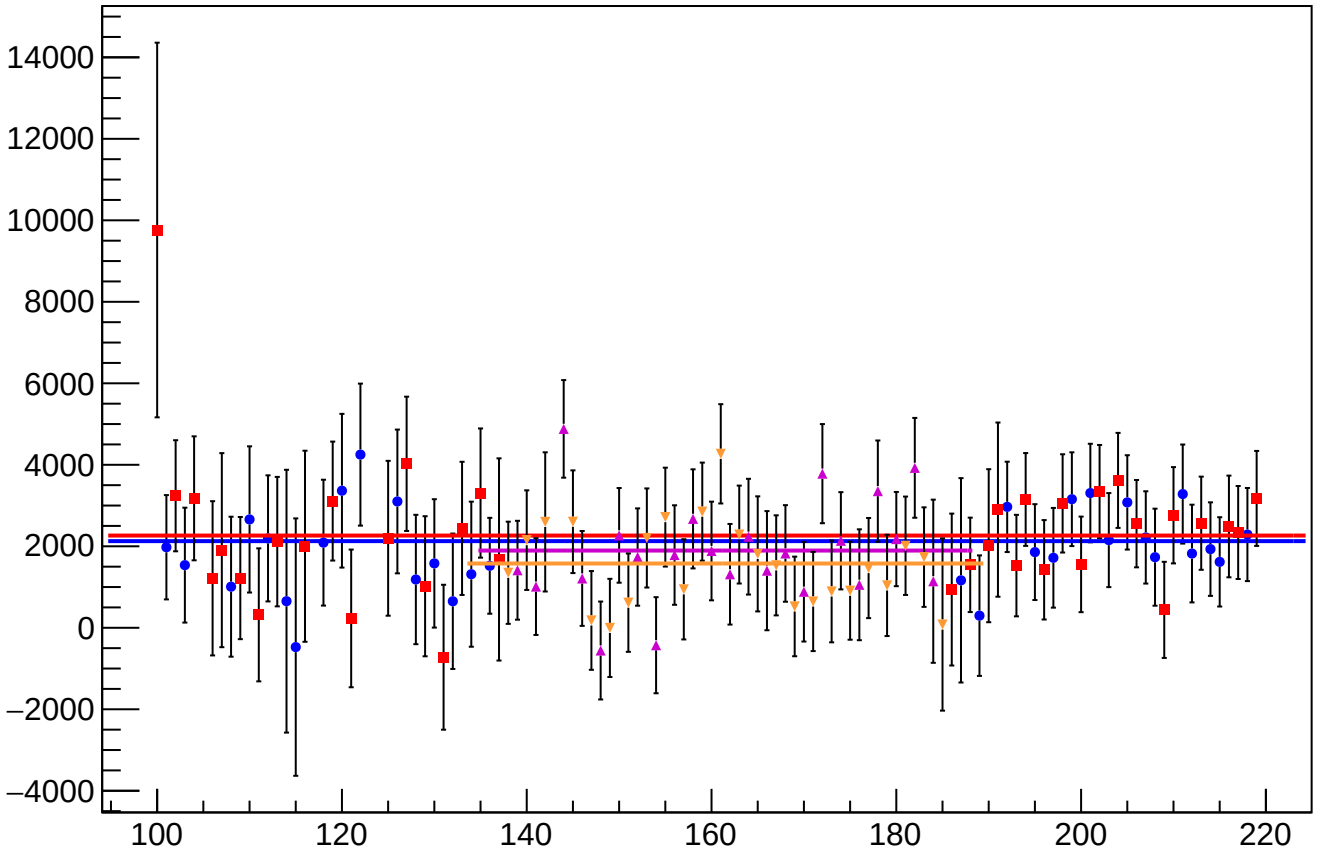
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

Right: 881.507+/-0.101 χ^2/NDF: 6555338.1/67

In: 1018.902+/-0.123 χ^2/NDF:8315099.9/54

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

All: 1030.255+/-0.088 χ^2/NDF: 17305752.1/1



Right In: 2126.732+/-243.243 χ^2/NDF: 11.7/31

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

Right Out: 2263.504+/-237.818 χ^2/NDF: 21.4/35

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

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

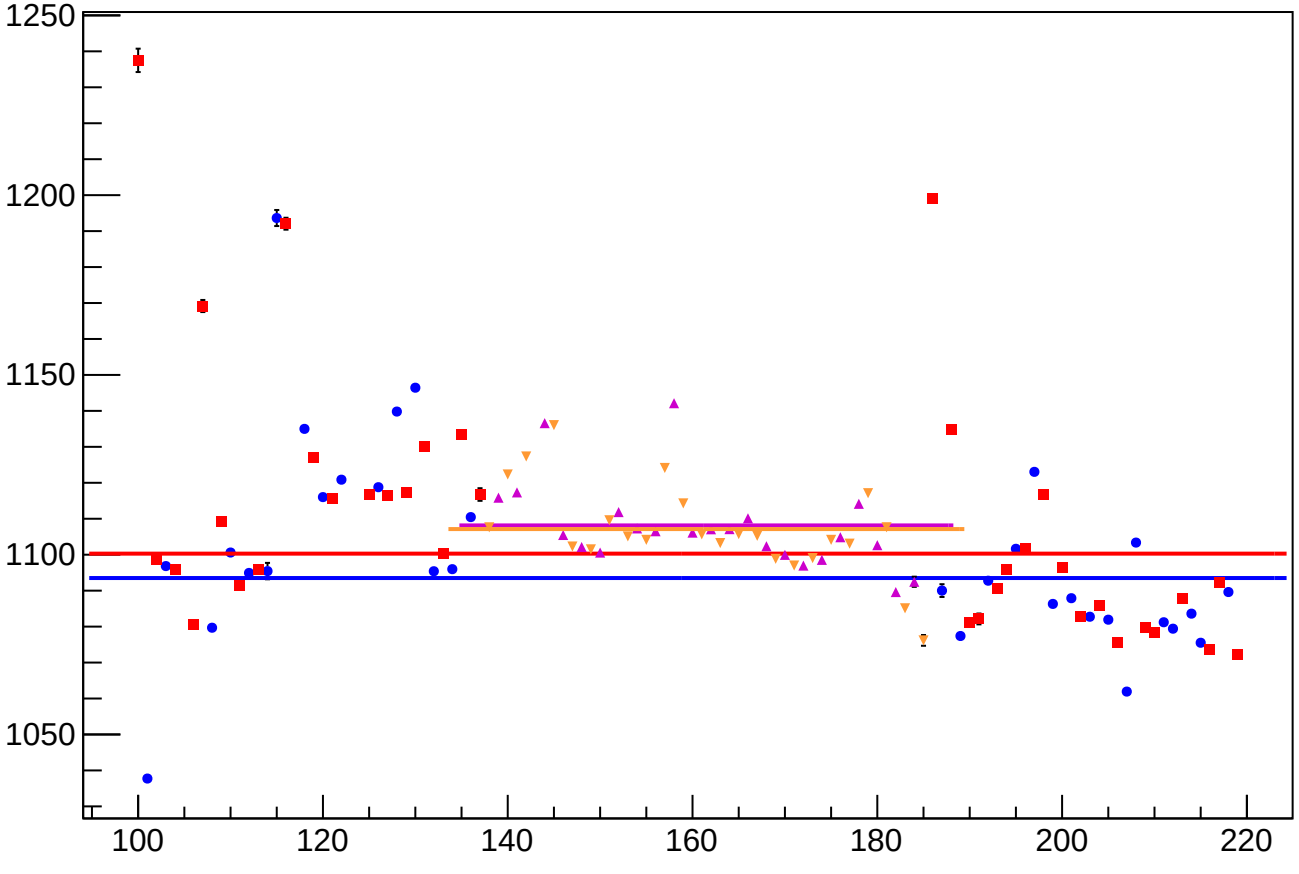
Right: 2196.660+/-170.048 χ^2/NDF: 33.3/67

In: 2018.275+/-177.228 χ^2/NDF:36.3/54

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

All: 1982.102+/-124.362 χ^2/NDF: 77.1/114

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1093.510+/-0.172 χ^2/NDF: 17878.8/31

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

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

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

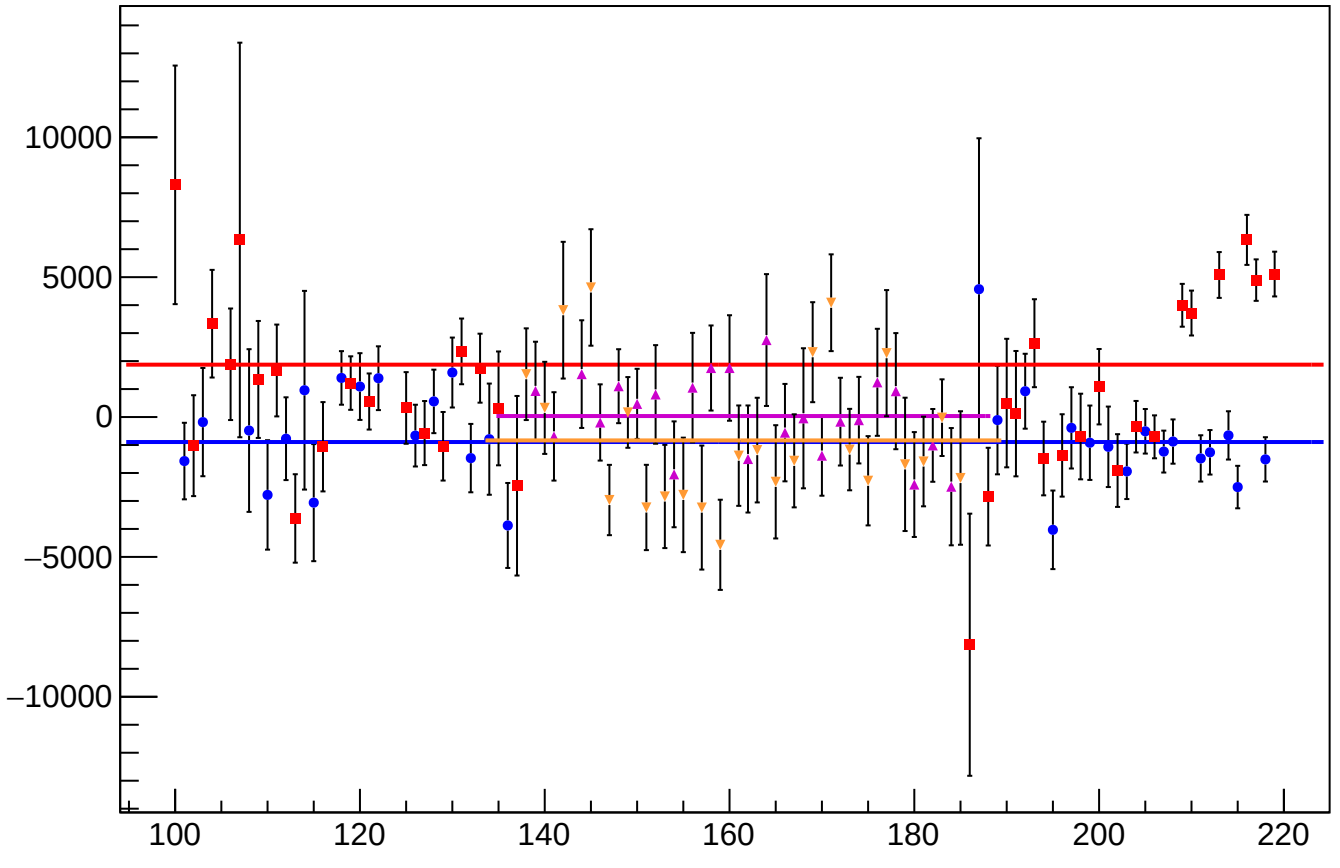
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1096.979+/-0.120 χ^2/NDF: 42323.0/67

In: 1100.376+/-0.125 χ^2/NDF:25465.8/54

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

All: 1101.935+/-0.088 χ^2/NDF: 53964.1/114



Right In: -893.081+/-201.298 χ^2/NDF: 40.5/31

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

Right Out: 1872.165+/-203.364 χ^2/NDF: 177.2/35

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

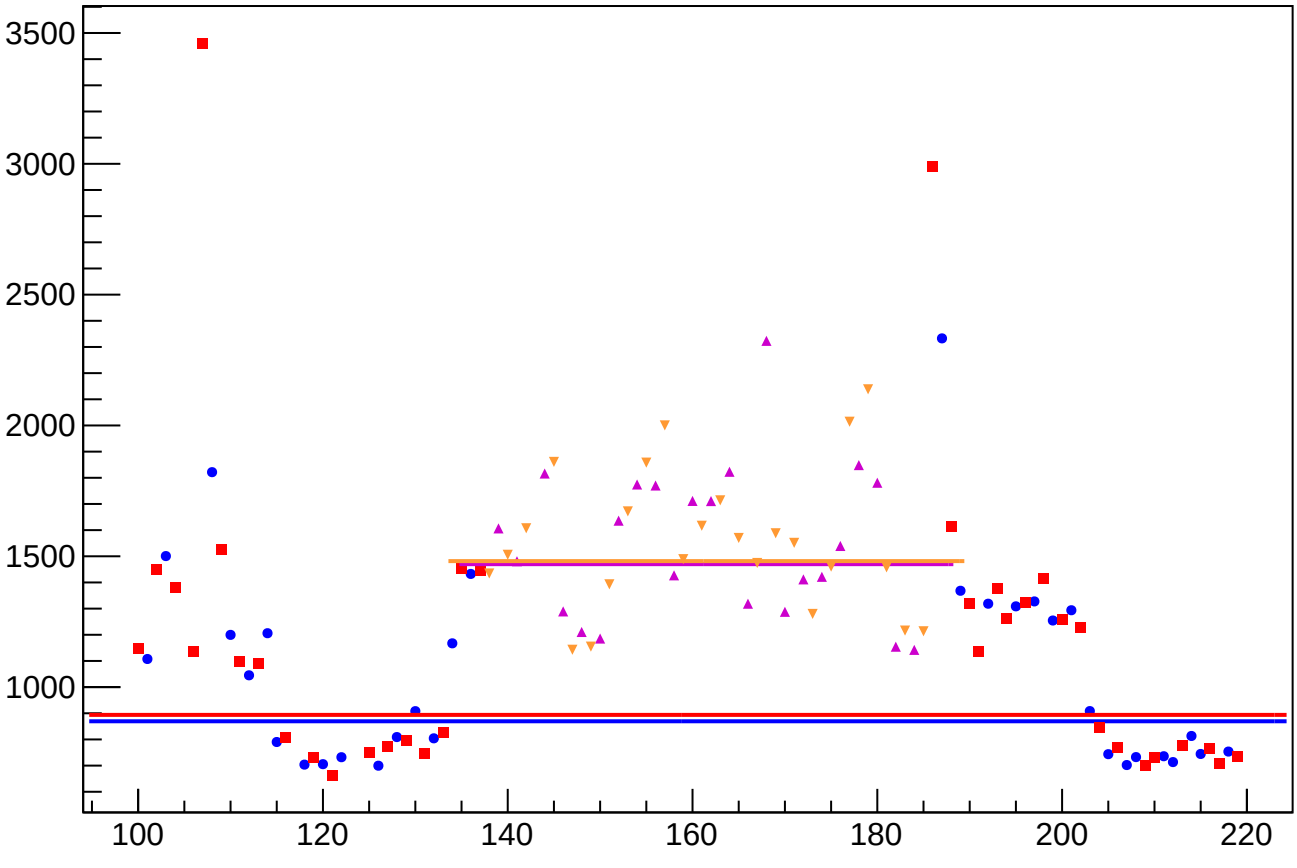
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: 475.420+/-143.064 χ^2/NDF: 311.1/67

In: -661.906+/-174.451 χ^2/NDF:58.9/54

Out: 1190.604+/-175.915 χ^2/NDF:265.4/59

All: 256.608+/-123.870 χ^2/NDF: 380.3/114



Right In: 869.407+/-0.142 χ^2/NDF: 2789147.5/31

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

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

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

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

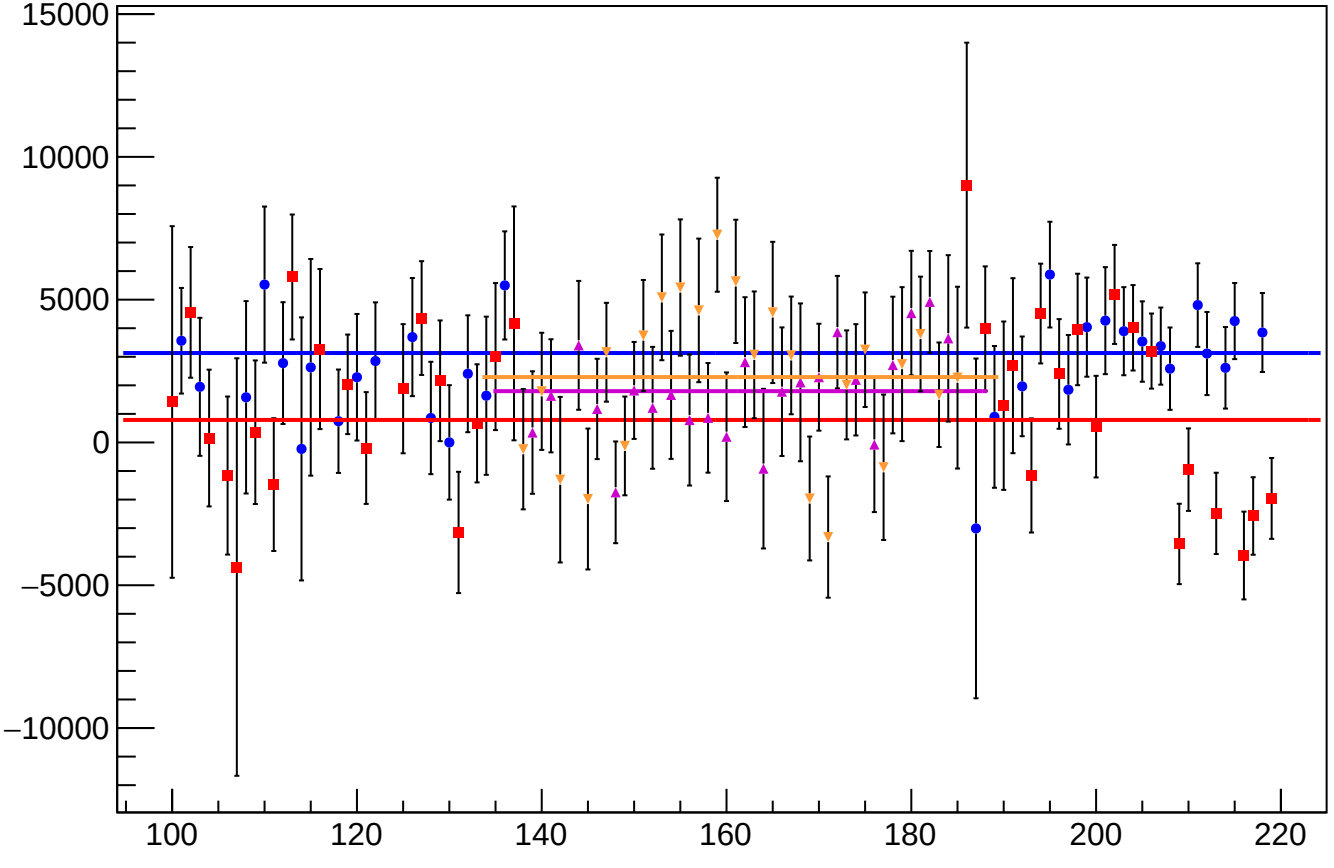
Right: 881.507+/-0.101 χ^2/NDF: 6555337.5/67

In: 1018.902+/-0.123 χ^2/NDF:8315118.9/54

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

All: 1030.254+/-0.088 χ^2/NDF: 17305788.4/1

asym_usl_mean vs Slug, Sign Corrected



Right In: 3131.549+/-327.444 χ^2/NDF: 18.1/31

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

Right Out: 788.457+/-327.037 χ^2/NDF: 84.6/35

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

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

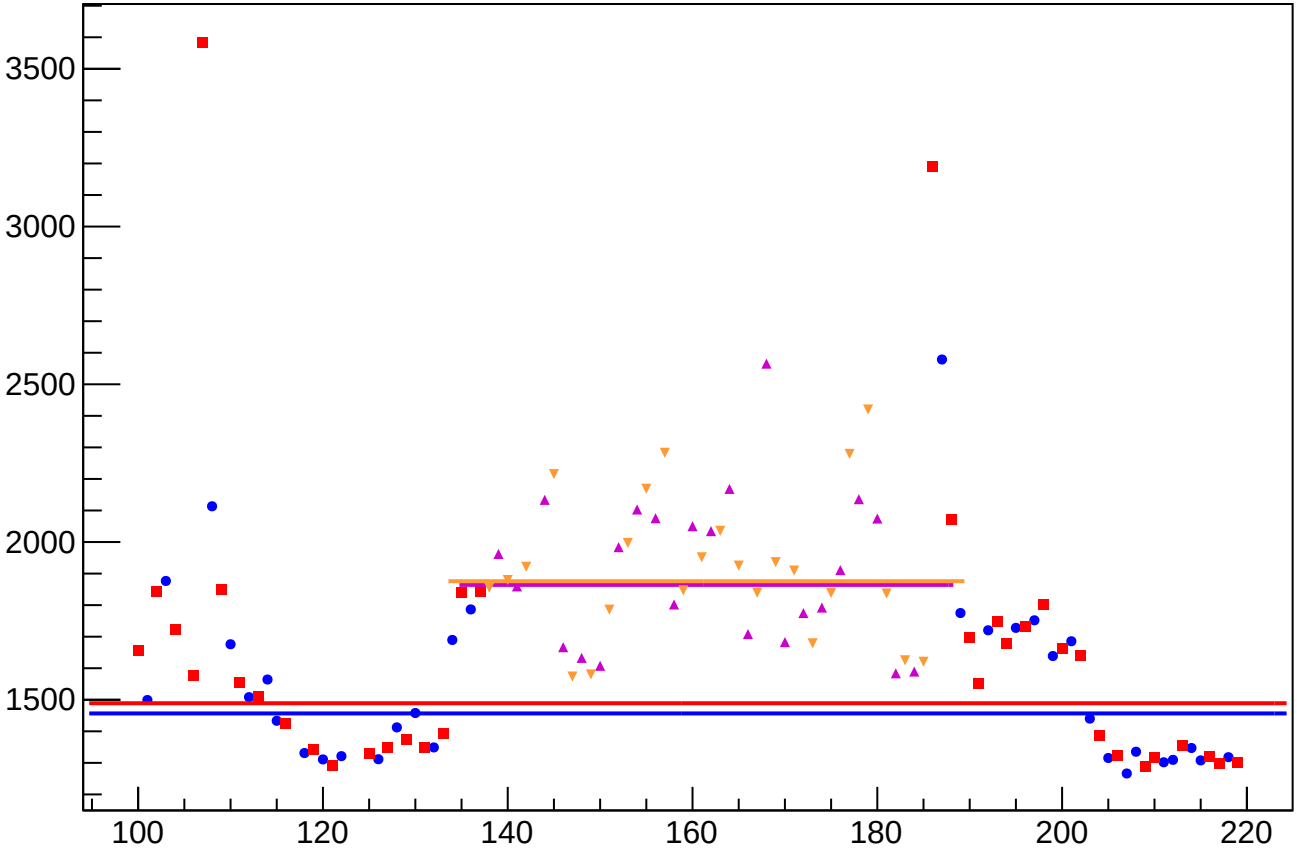
Right: 1958.544+/-231.394 χ^2/NDF: 128.3/67

In: 2654.440+/-262.503 χ^2/NDF:38.3/54

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

All: 1988.654+/-185.557 χ^2/NDF: 179.3/114

asym_usl_rms vs Slug, Sign Corrected



Right In: 1456.714+/-0.232 χ^2/NDF: 736572.3/31

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

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

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

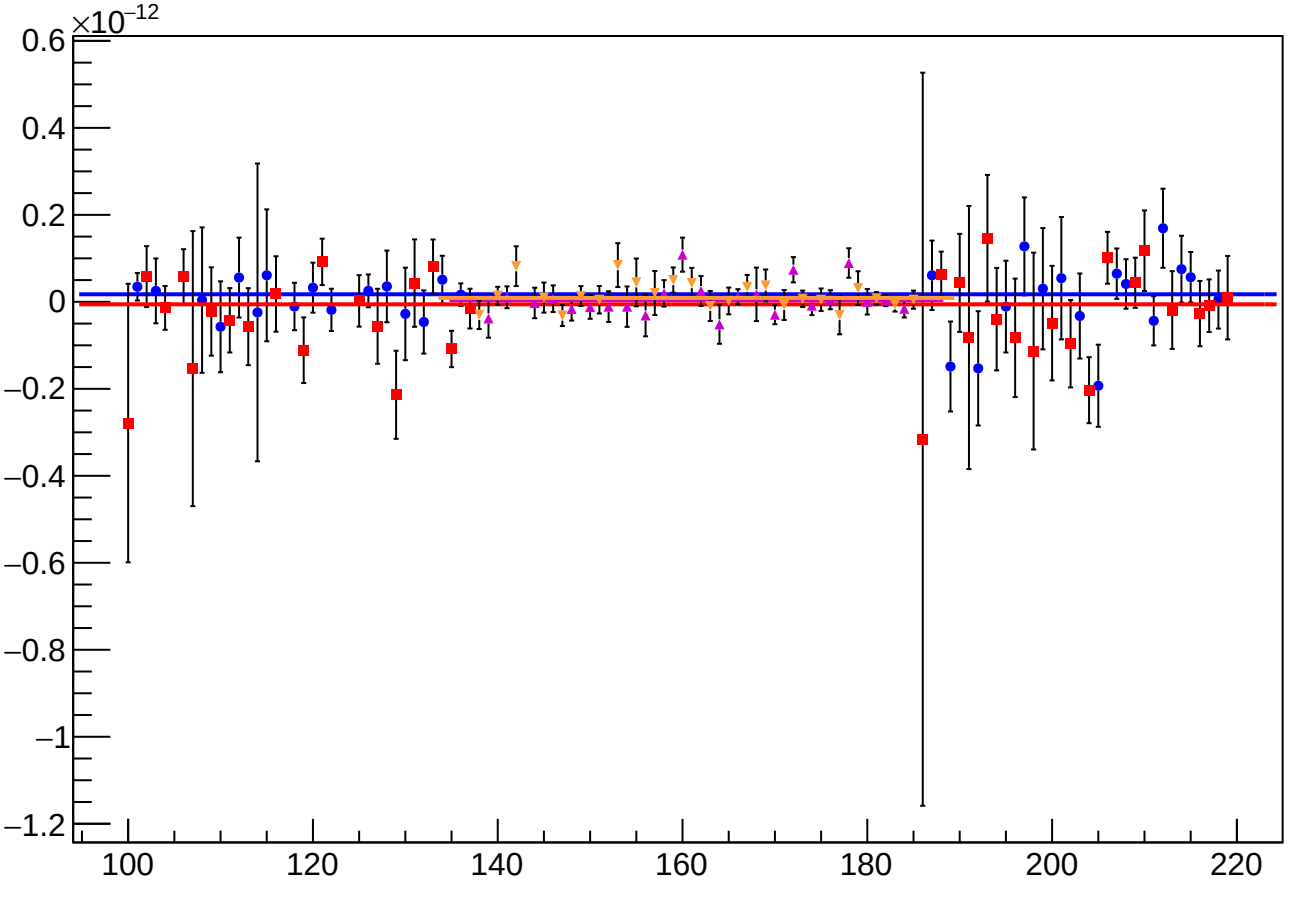
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1472.891+/-0.164 χ^2/NDF: 1935902.5/67

In: 1602.304+/-0.186 χ^2/NDF:2353688.0/54

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

All: 1614.630+/-0.131 χ^2/NDF: 5022144.1/11



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/31

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

Right Out: -0.000+/-0.000 χ^2/NDF: 39.1/35

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

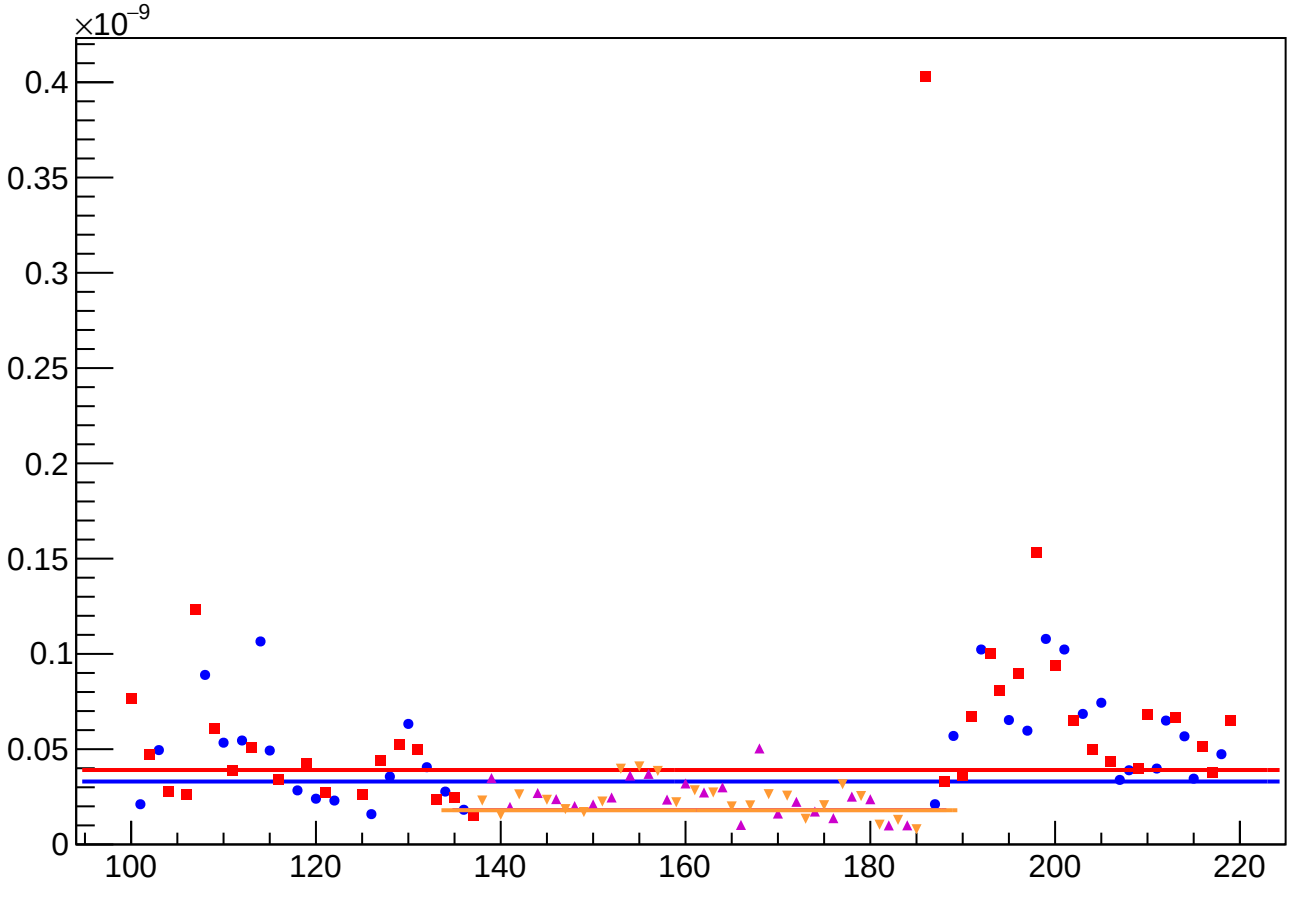
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 61.1/67

In: 0.000+/-0.000 χ^2/NDF:49.3/54

Out: 0.000+/-0.000 χ^2/NDF:56.8/59

All: 0.000+/-0.000 χ^2/NDF: 106.1/114



Right In: 0.000+/-0.000 χ^2/NDF: 5614864.6/31

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

Right Out: 0.000+/-0.000 χ^2/NDF: 4618401.8/35

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

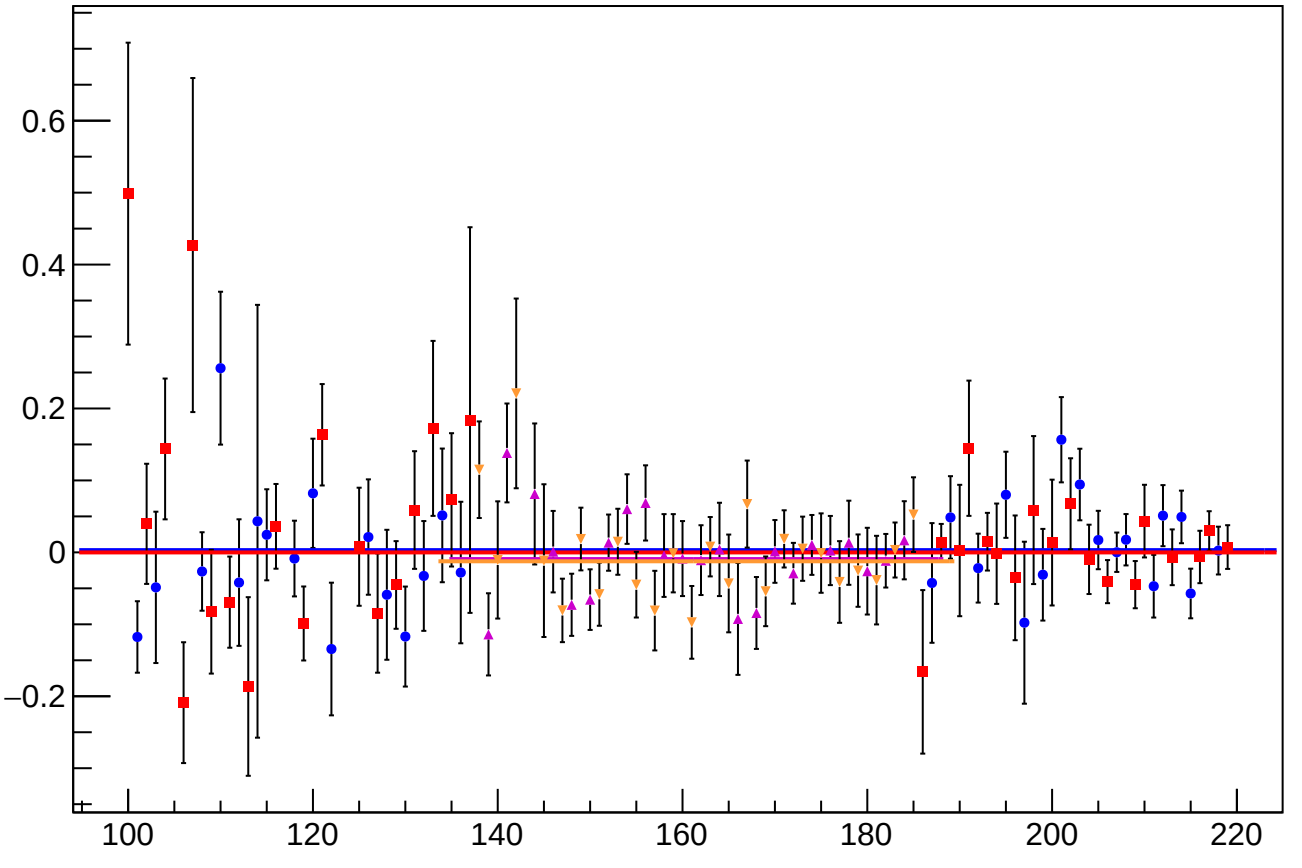
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 10488883.7/67

In: 0.000+/-0.000 χ^2/NDF:12679457.8/54

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

All: 0.000+/-0.000 χ^2/NDF: 25477650.5/114



Right In: 0.003+/-0.009 χ^2/NDF: 41.5/31

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.000+/-0.009 χ^2/NDF: 49.0/35

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

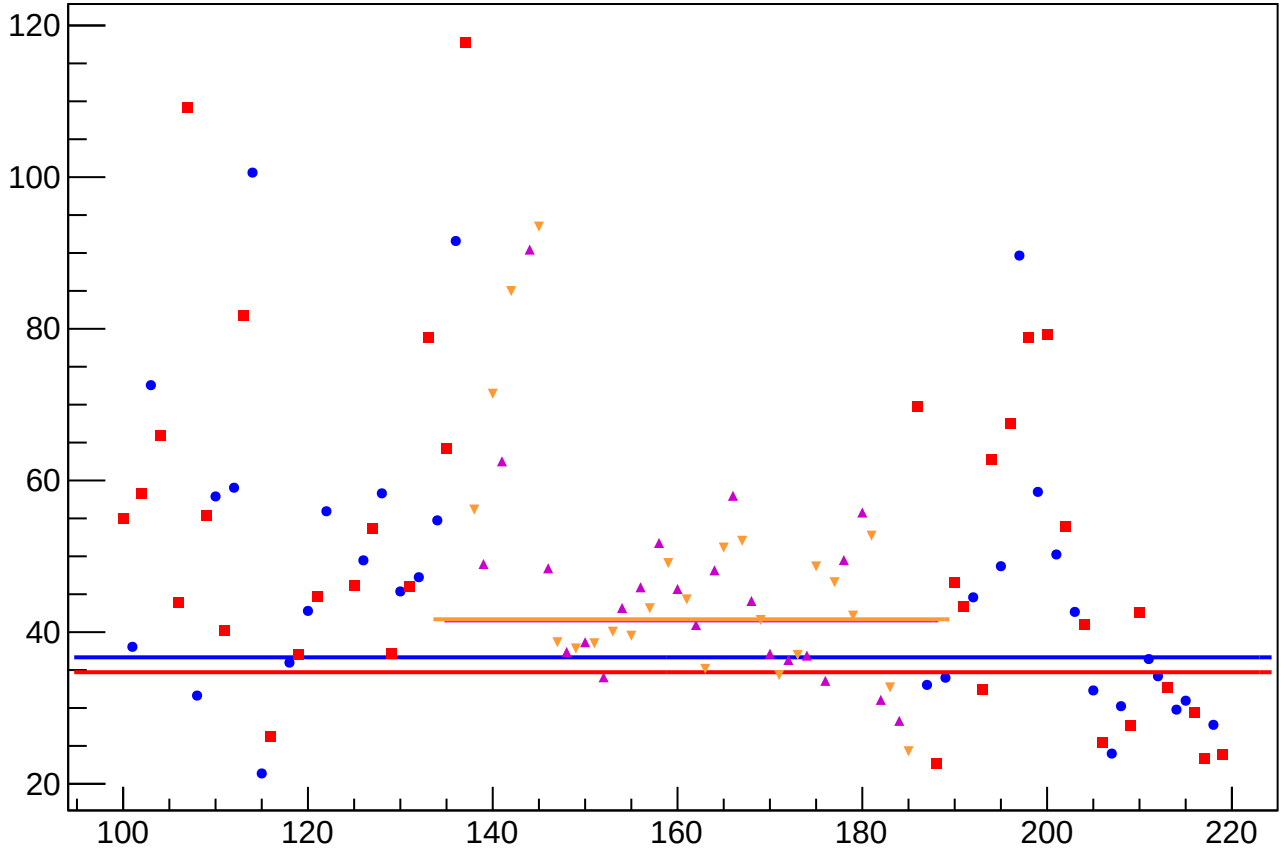
Right: 0.001+/-0.006 χ^2/NDF: 90.5/67

In: -0.002+/-0.007 χ^2/NDF:64.2/54

Out: -0.005+/-0.007 χ^2/NDF:71.7/59

All: -0.004+/-0.005 χ^2/NDF: 136.0/114

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.680+/-0.007 χ^2/NDF: 3452390.6/31

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

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

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

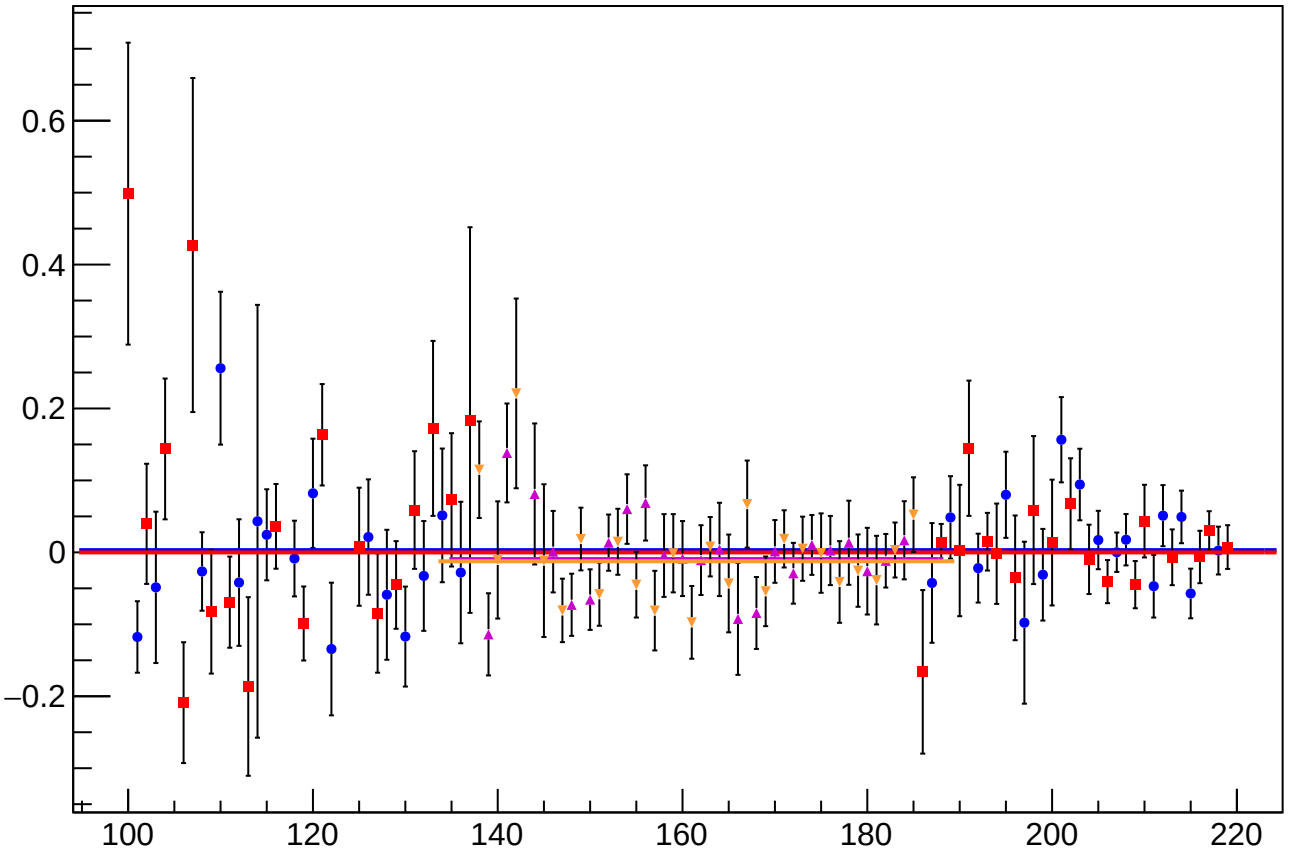
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 35.647+/-0.005 χ^2/NDF: 8812368.3/67

In: 38.851+/-0.005 χ^2/NDF:5304812.2/54

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

All: 38.232+/-0.003 χ^2/NDF: 12984393.3/114



Right In: 0.003+/-0.009 χ^2/NDF: 41.5/31

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.000+/-0.009 χ^2/NDF: 49.0/35

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

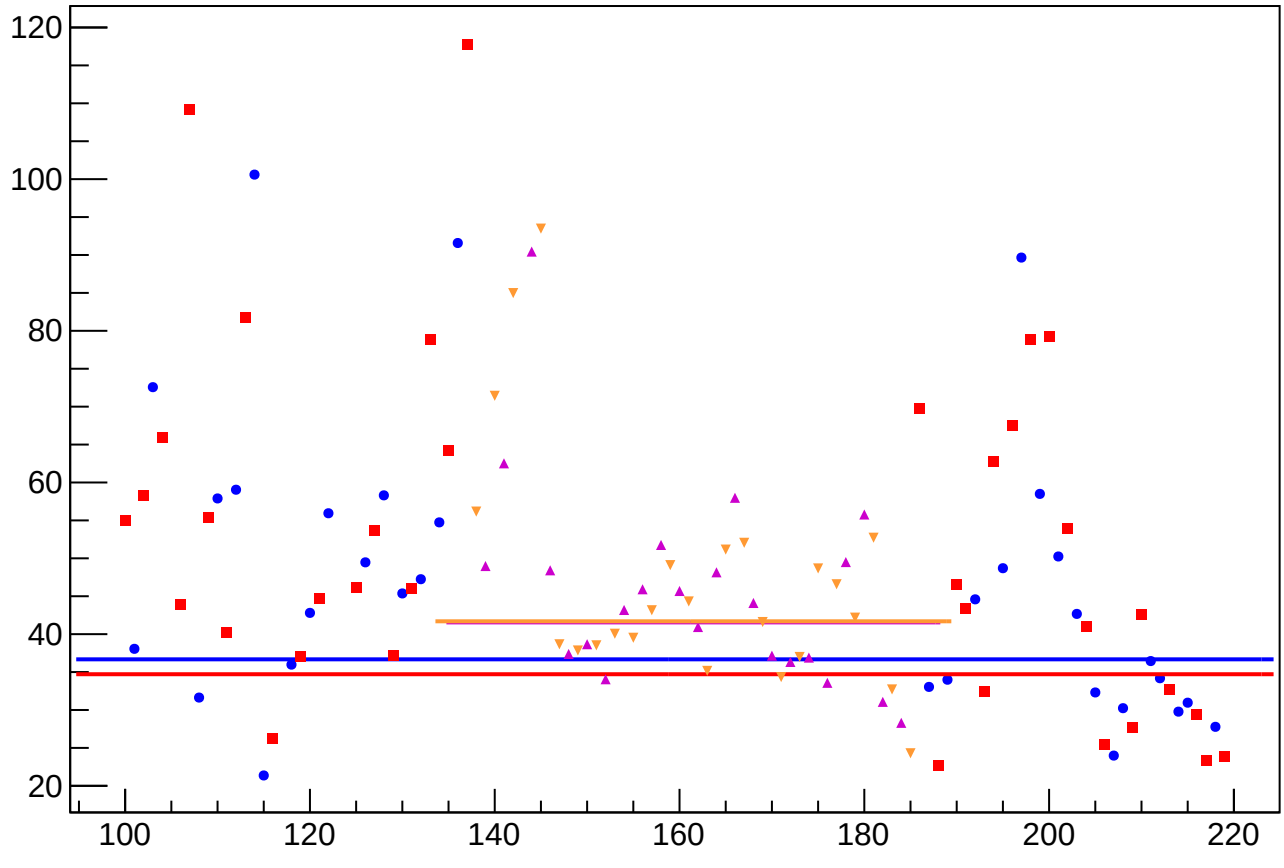
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.001+/-0.006 χ^2/NDF: 90.5/67

In: -0.002+/-0.007 χ^2/NDF:64.2/54

Out: -0.005+/-0.007 χ^2/NDF:71.7/59

All: -0.004+/-0.005 χ^2/NDF: 136.0/114



Right In: 36.680+/-0.007 χ^2/NDF: 3452390.6/31

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

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

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

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

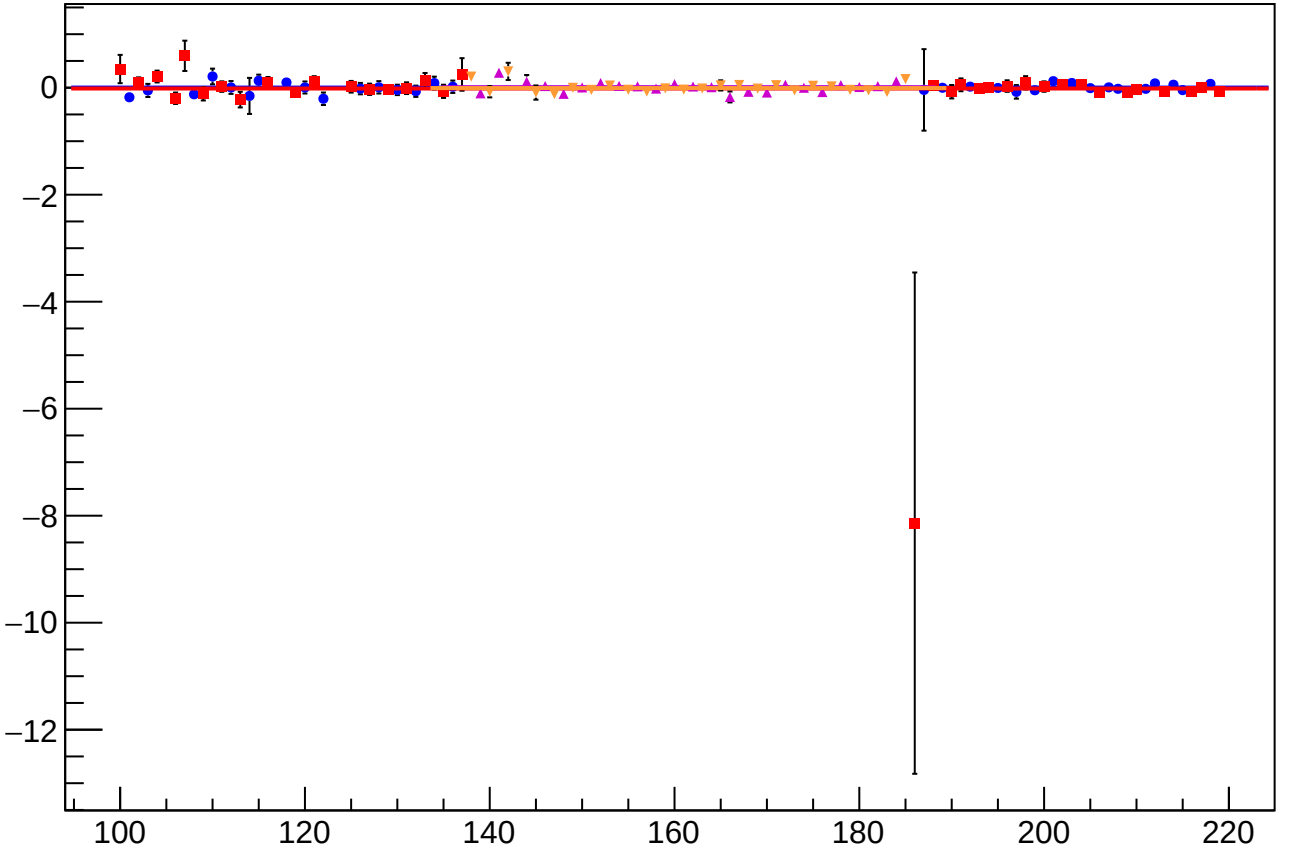
Right: 35.647+/-0.005 χ^2/NDF: 8812368.3/67

In: 38.851+/-0.005 χ^2/NDF:5304812.2/54

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

All: 38.232+/-0.003 χ^2/NDF: 12984393.3/114

asym_usl_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.014 χ^2/NDF: 29.8/31

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

Right Out: -0.015+/-0.014 χ^2/NDF: 39.3/35

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

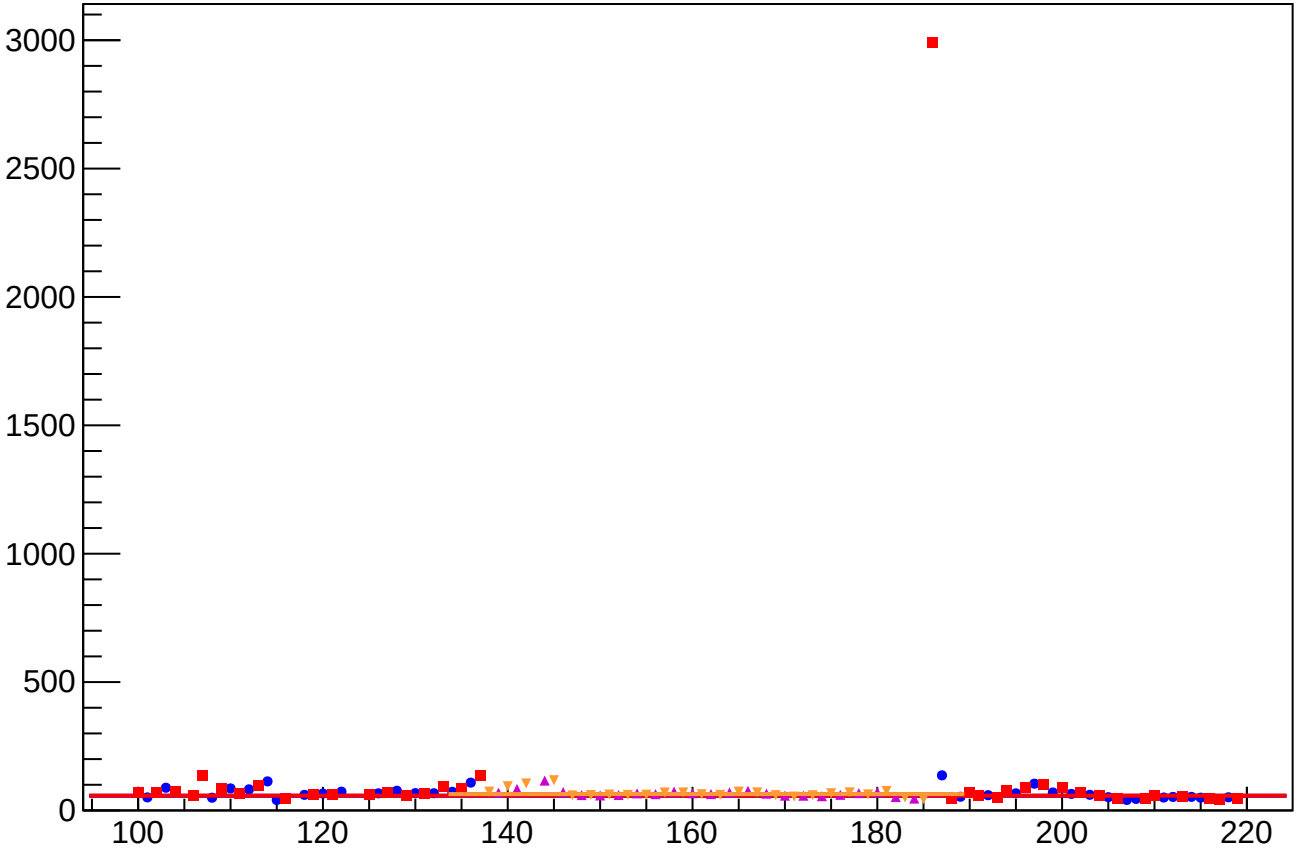
Right: -0.007+/-0.010 χ^2/NDF: 69.9/67

In: 0.005+/-0.010 χ^2/NDF:58.0/54

Out: -0.012+/-0.010 χ^2/NDF:63.1/59

All: -0.003+/-0.007 χ^2/NDF: 122.4/114

asym_usl_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.071+/-0.010 χ^2/NDF: 1928161.8/31

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

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

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

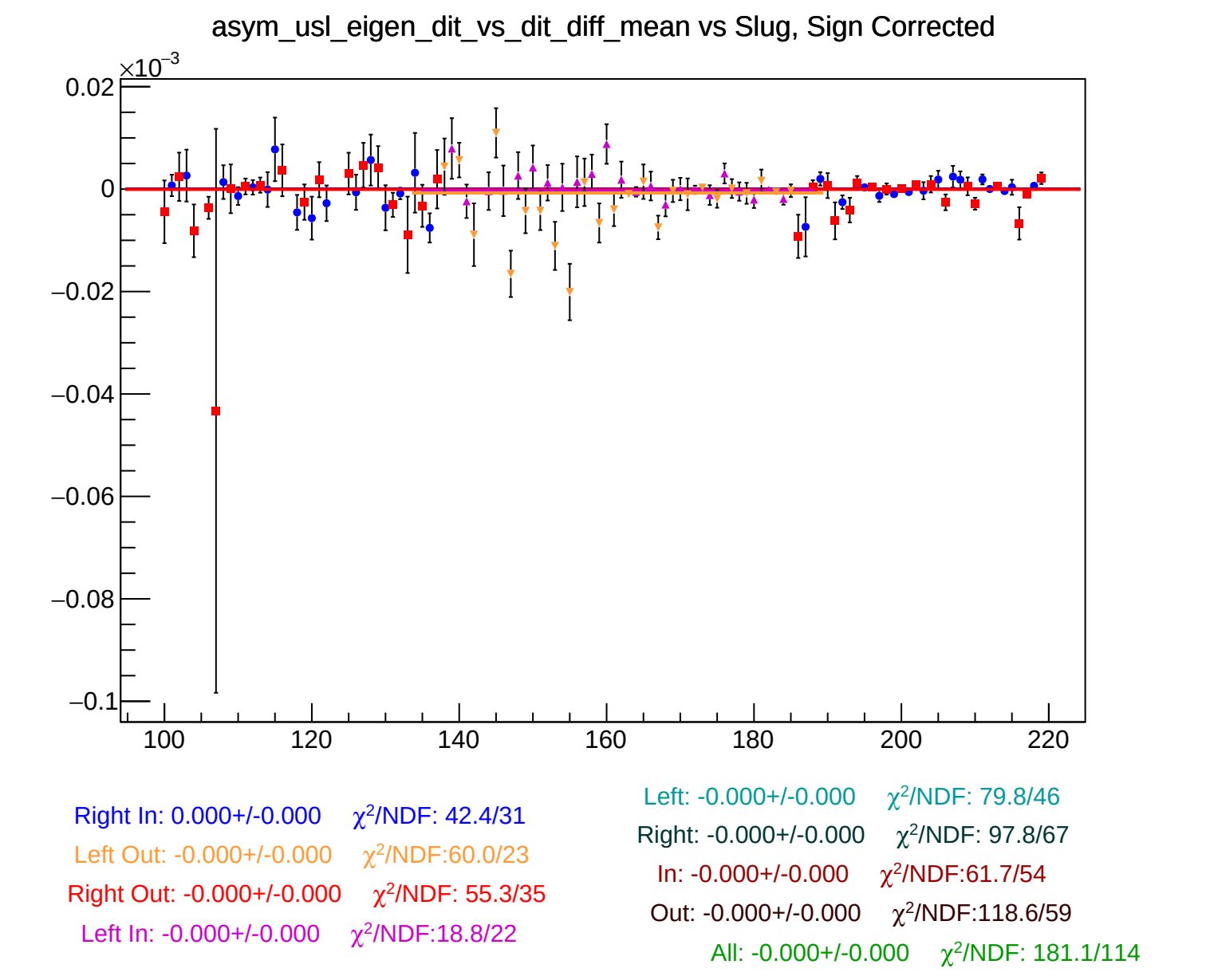
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

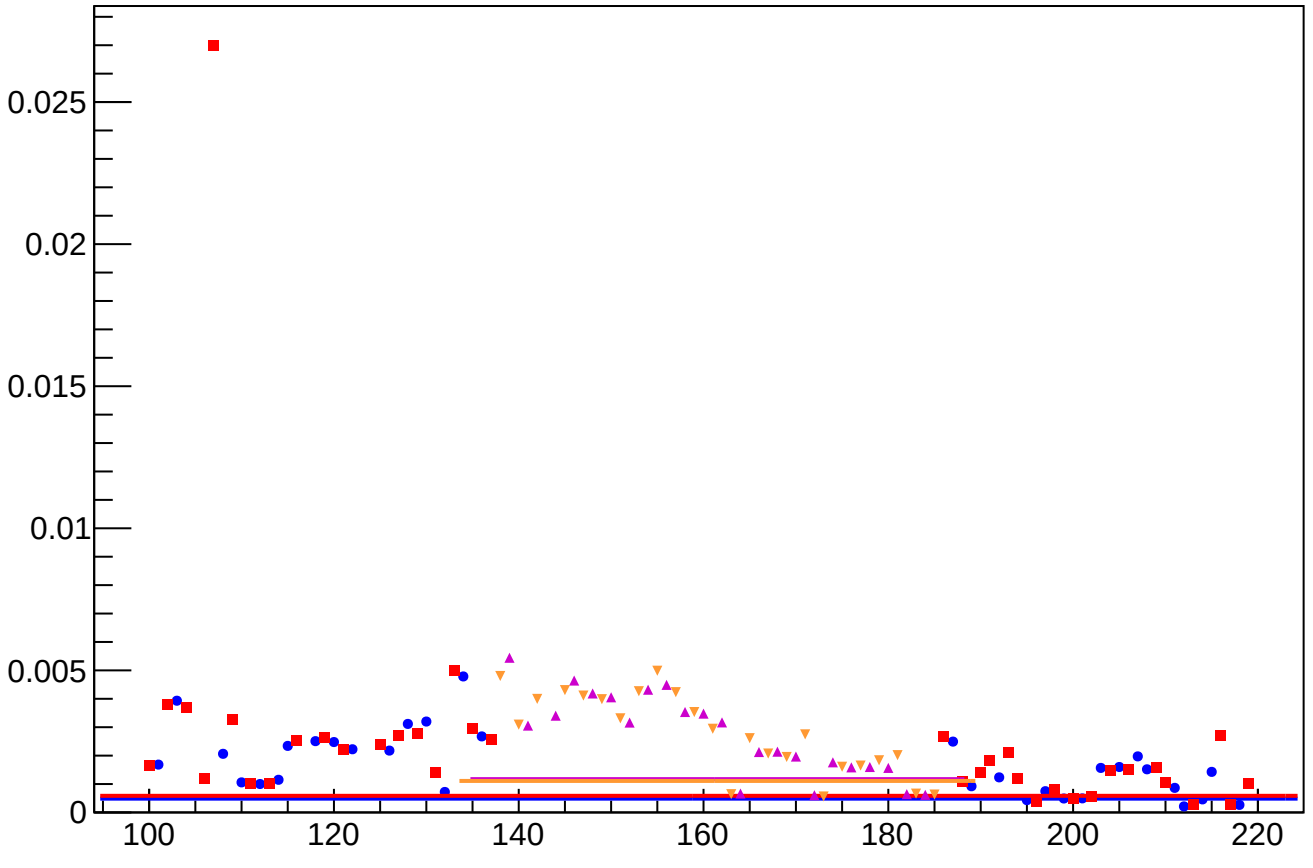
Right: 57.350+/-0.007 χ^2/NDF: 5103589.3/67

In: 60.132+/-0.007 χ^2/NDF:2993601.8/54

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

All: 60.226+/-0.005 χ^2/NDF: 7425901.2/114


asym_usl_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 42.4/31
Left Out: -0.000+/-0.000 χ²/NDF:60.0/23
Right Out: -0.000+/-0.000 χ²/NDF: 55.3/35
Left In: -0.000+/-0.000 χ²/NDF:18.8/22
Left: -0.000+/-0.000 χ²/NDF: 79.8/46
Right: -0.000+/-0.000 χ²/NDF: 97.8/67
In: -0.000+/-0.000 χ²/NDF:61.7/54
Out: -0.000+/-0.000 χ²/NDF:118.6/59
All: -0.000+/-0.000 χ²/NDF: 181.1/114



Right In: 0.000+/-0.000 χ^2/NDF: 16693617.9/31

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 17136999.5/35

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

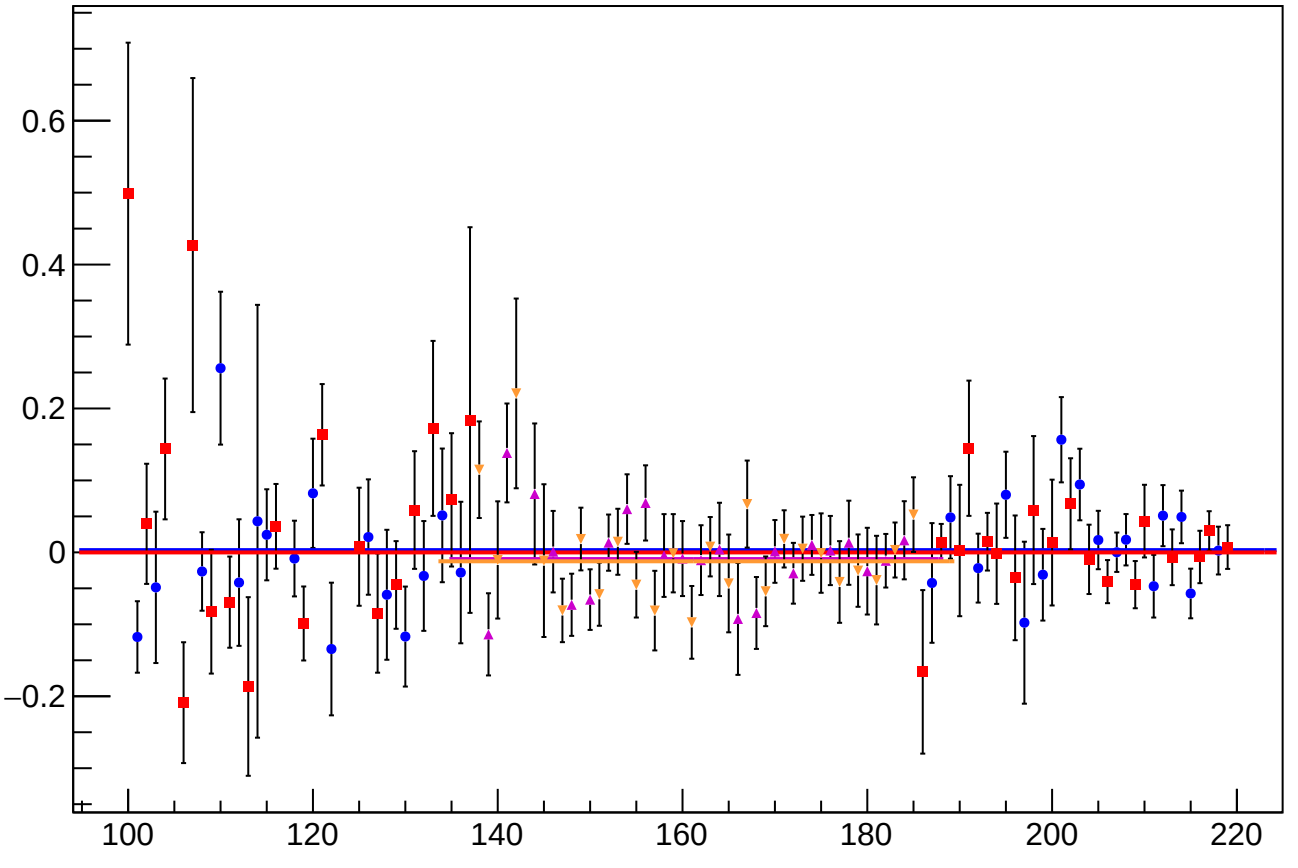
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 34185312.9/67

In: 0.001+/-0.000 χ^2/NDF:37139093.2/54

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

All: 0.001+/-0.000 χ^2/NDF: 73628439.4/114



Right In: 0.003+/-0.009 χ^2/NDF: 41.5/31

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.000+/-0.009 χ^2/NDF: 49.0/35

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

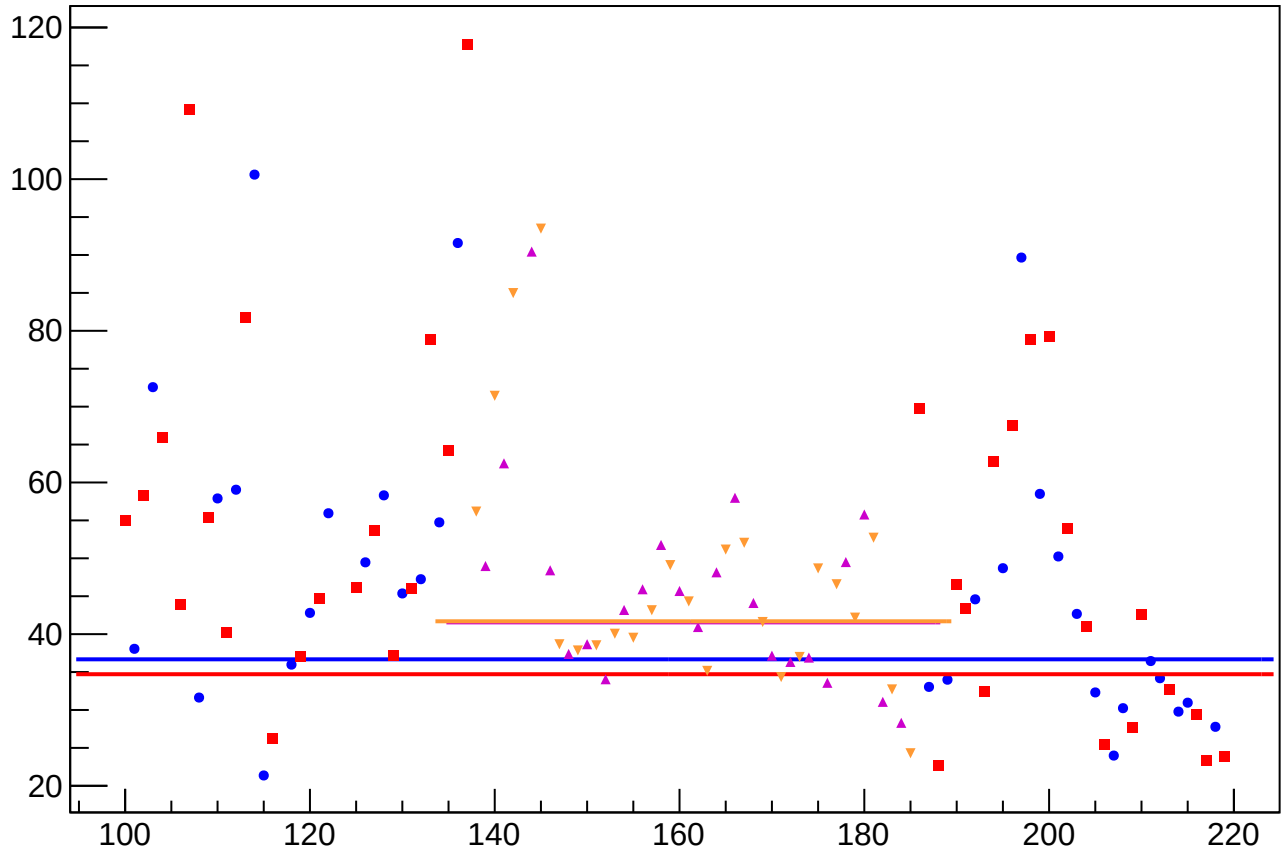
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.001+/-0.006 χ^2/NDF: 90.5/67

In: -0.002+/-0.007 χ^2/NDF:64.2/54

Out: -0.005+/-0.007 χ^2/NDF:71.7/59

All: -0.004+/-0.005 χ^2/NDF: 136.0/114



Right In: 36.680+/-0.007 χ^2/NDF: 3452367.3/31

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

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

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

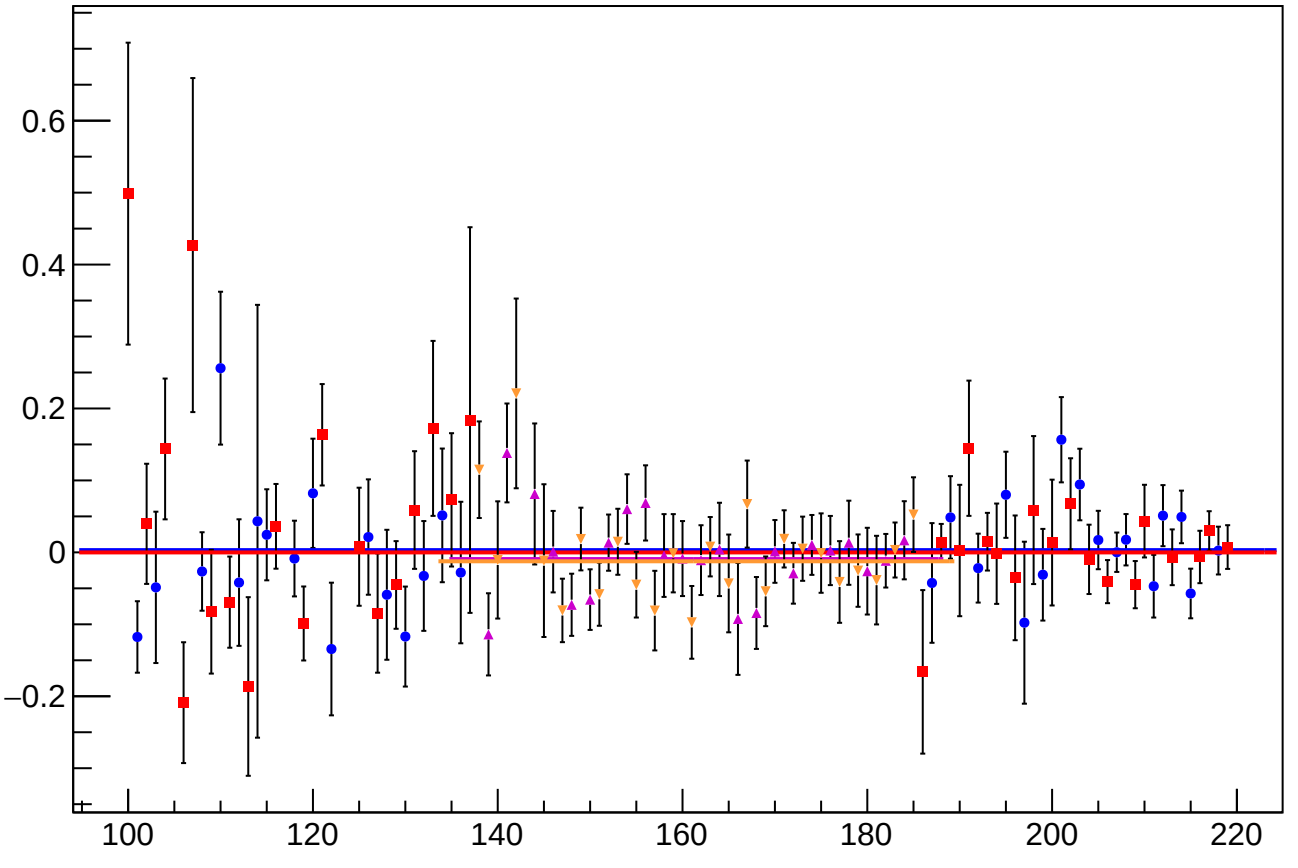
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 35.647+/-0.005 χ^2/NDF: 8812161.4/67

In: 38.851+/-0.005 χ^2/NDF:5304793.5/54

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

All: 38.232+/-0.003 χ^2/NDF: 12984164.0/114



Right In: 0.003+/-0.009 χ^2/NDF: 41.5/31

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.000+/-0.009 χ^2/NDF: 49.0/35

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

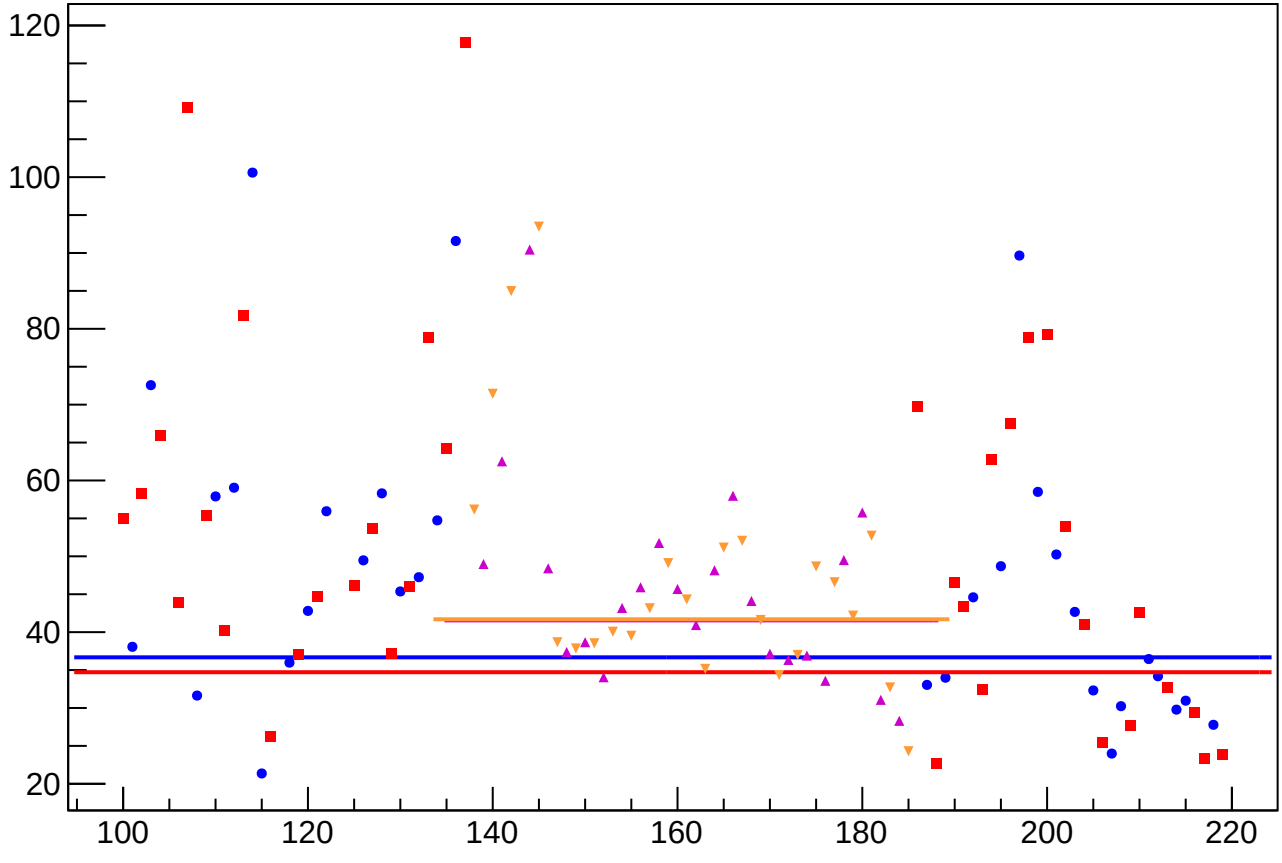
Right: 0.001+/-0.006 χ^2/NDF: 90.5/67

In: -0.002+/-0.007 χ^2/NDF:64.2/54

Out: -0.005+/-0.007 χ^2/NDF:71.7/59

All: -0.004+/-0.005 χ^2/NDF: 136.0/114

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.680+/-0.007 χ^2/NDF: 3452367.3/31

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

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

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

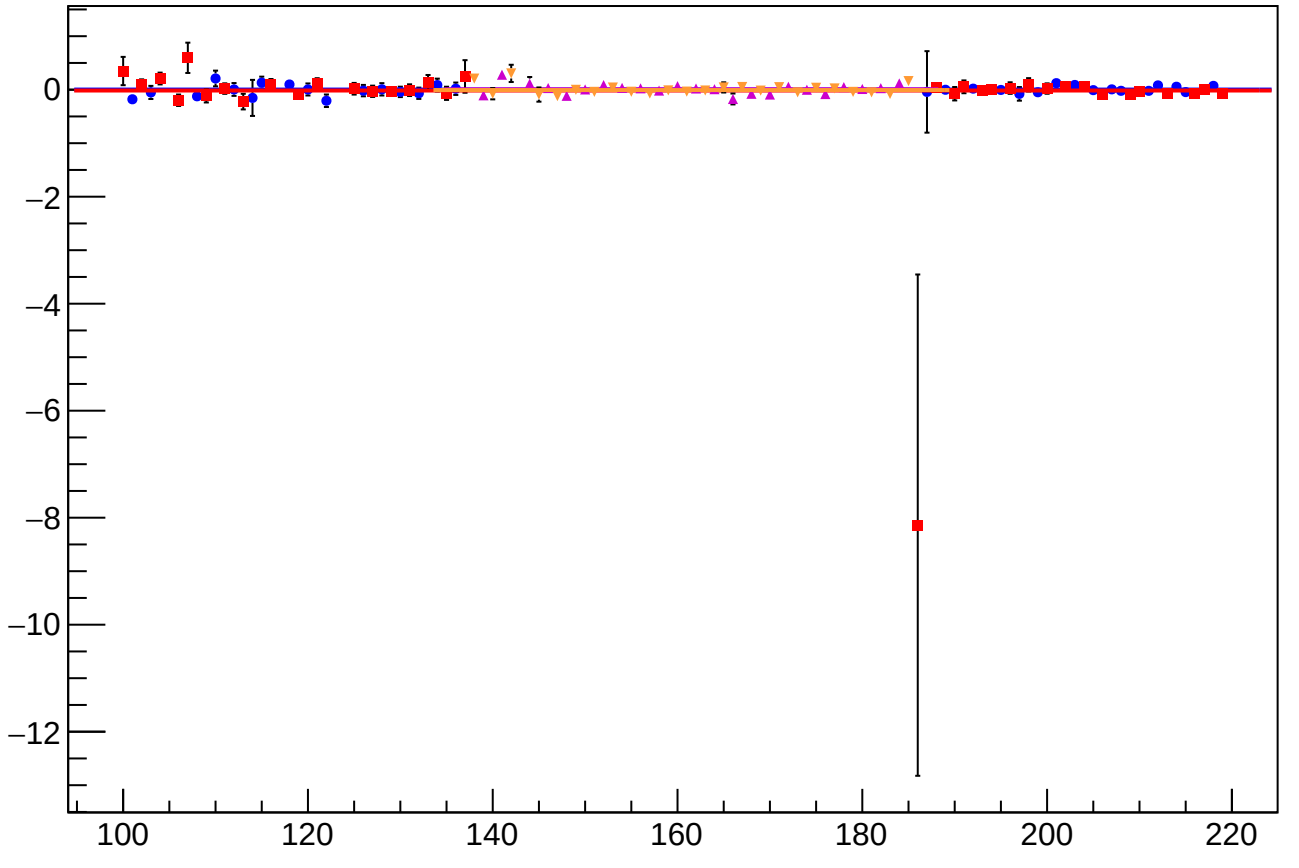
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 35.647+/-0.005 χ^2/NDF: 8812161.4/67

In: 38.851+/-0.005 χ^2/NDF:5304793.5/54

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

All: 38.232+/-0.003 χ^2/NDF: 12984164.0/114



Right In: 0.002+/-0.014 χ^2/NDF: 29.8/31

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

Right Out: -0.015+/-0.014 χ^2/NDF: 39.3/35

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

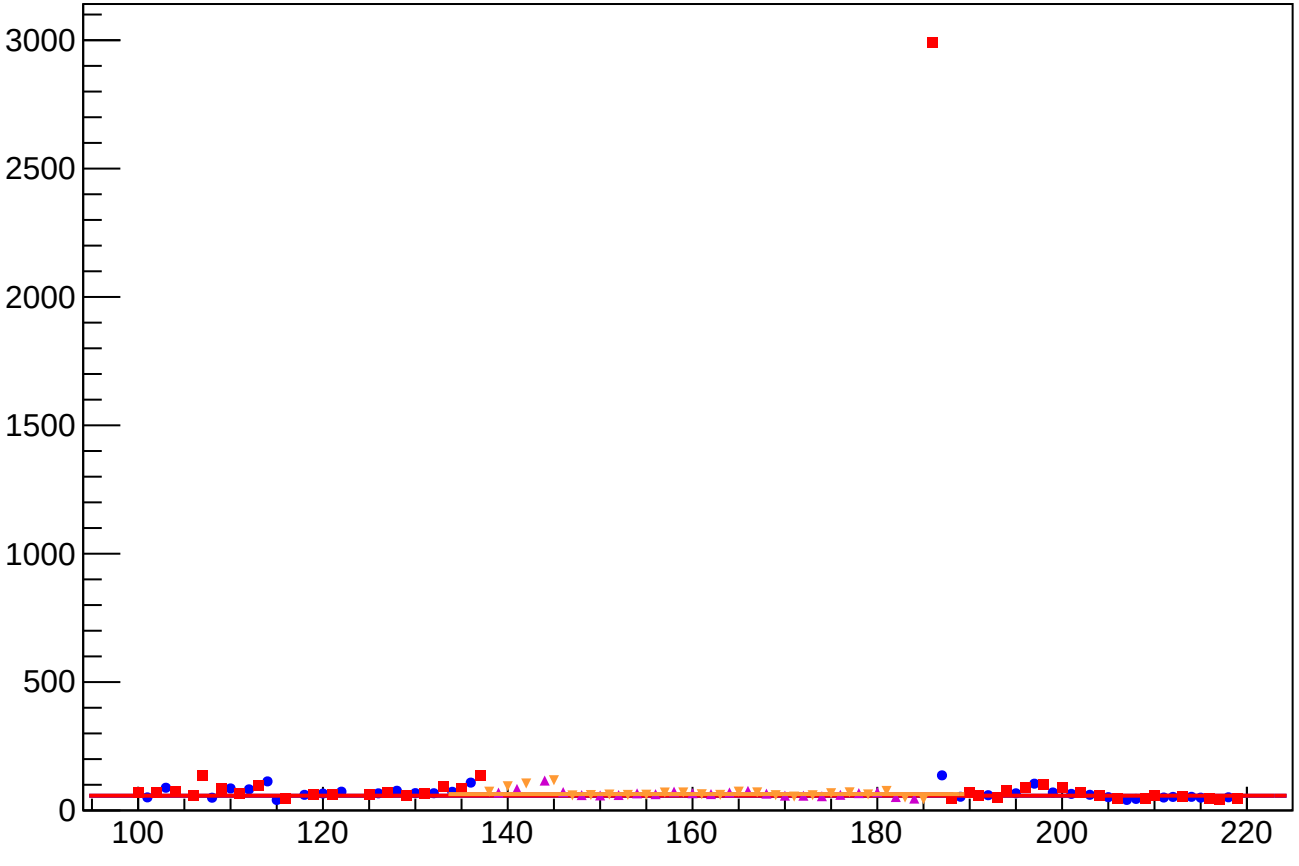
Right: -0.007+/-0.010 χ^2/NDF: 69.9/67

In: 0.005+/-0.010 χ^2/NDF:58.0/54

Out: -0.012+/-0.010 χ^2/NDF:63.1/59

All: -0.003+/-0.007 χ^2/NDF: 122.4/114

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.071+/-0.010 χ^2/NDF: 1928154.4/31

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

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

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

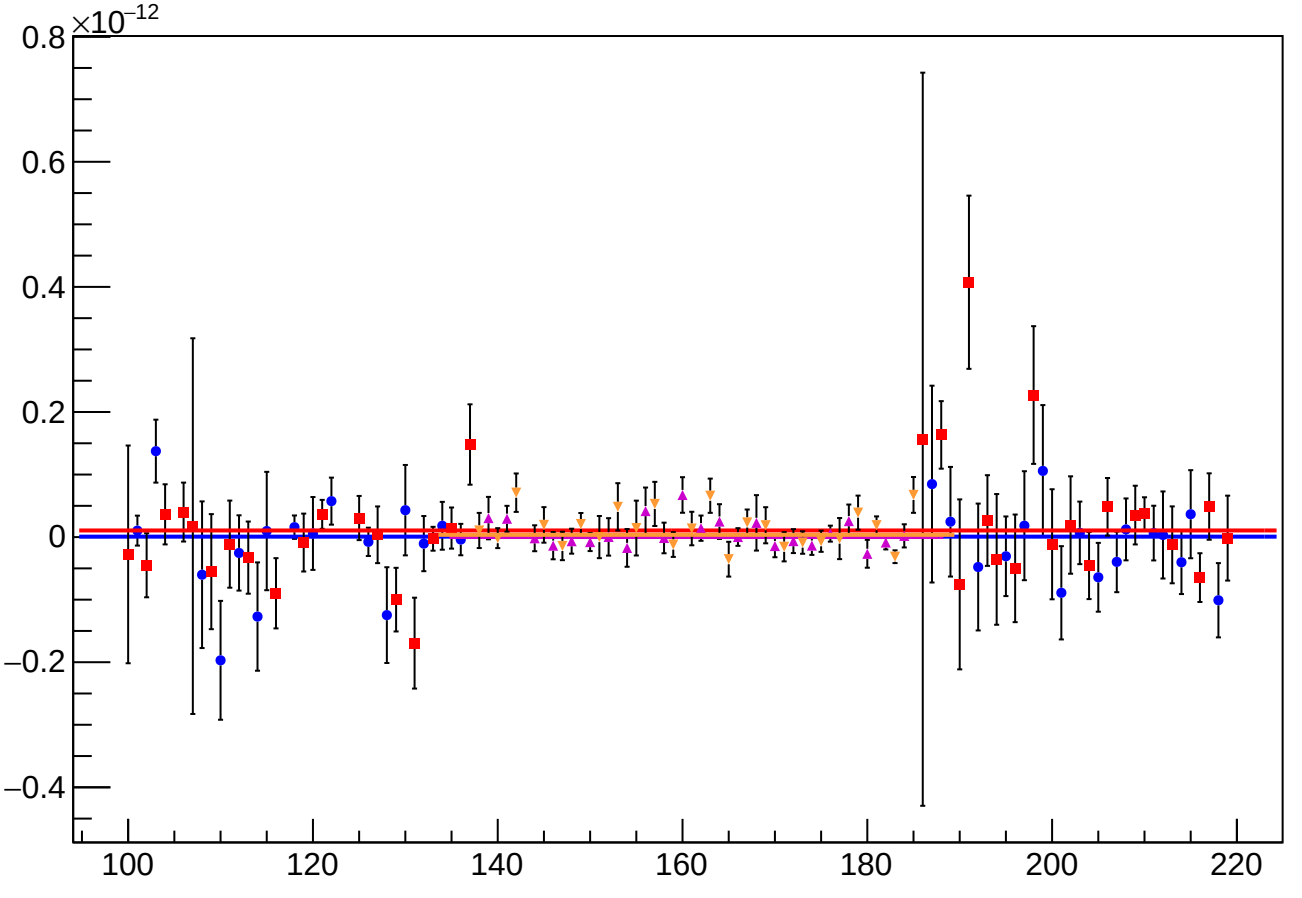
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 57.350+/-0.007 χ^2/NDF: 5103559.6/67

In: 60.132+/-0.007 χ^2/NDF:2993607.7/54

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

All: 60.226+/-0.005 χ^2/NDF: 7425890.3/114



Right In: 0.000+/-0.000 χ^2/NDF: 30.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 52.9/35

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

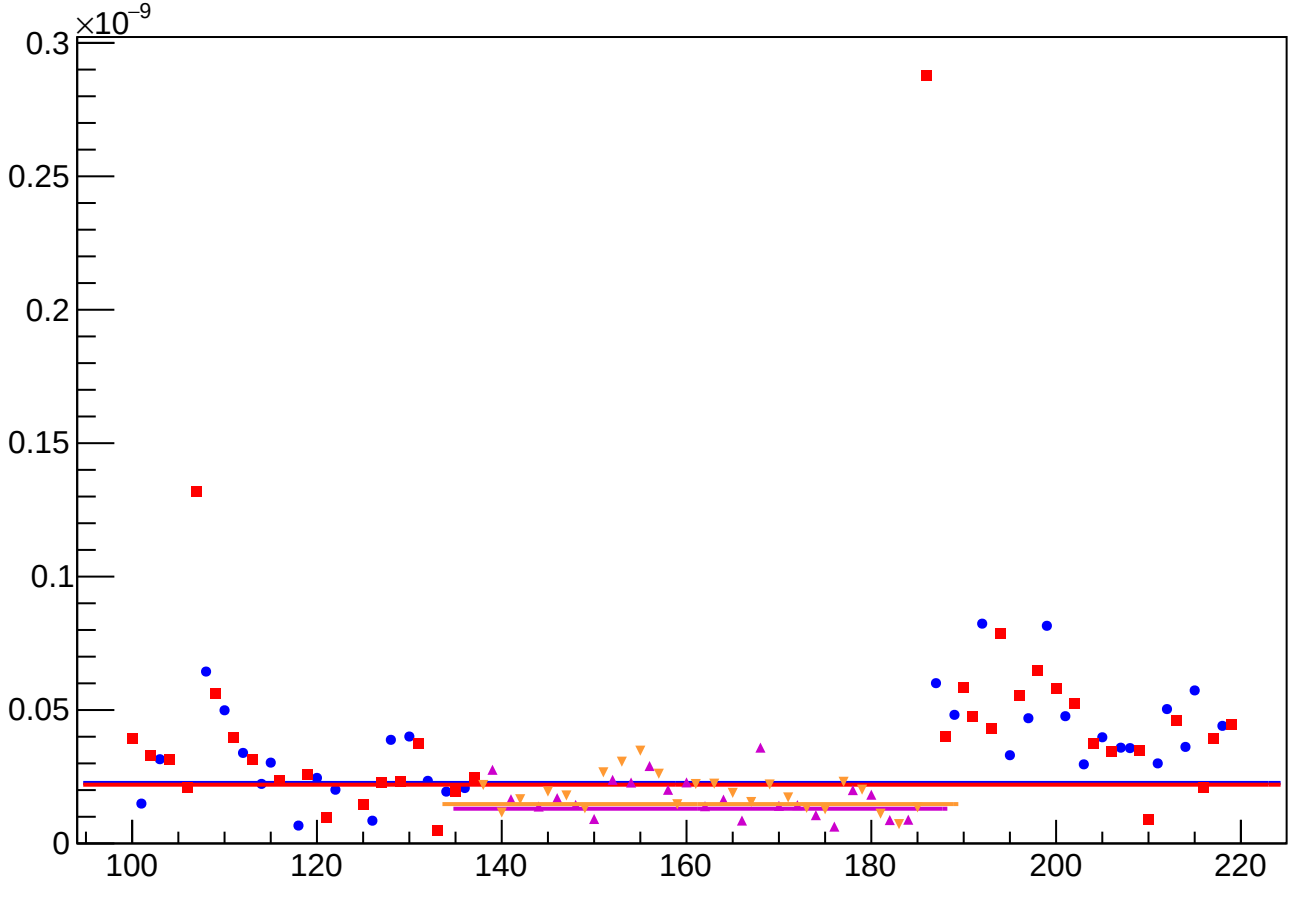
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 83.9/67

In: 0.000+/-0.000 χ^2/NDF:47.4/54

Out: 0.000+/-0.000 χ^2/NDF:94.1/59

All: 0.000+/-0.000 χ^2/NDF: 142.4/114



Right In: 0.000+/-0.000 χ^2/NDF: 7072473.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7848785.8/35

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

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

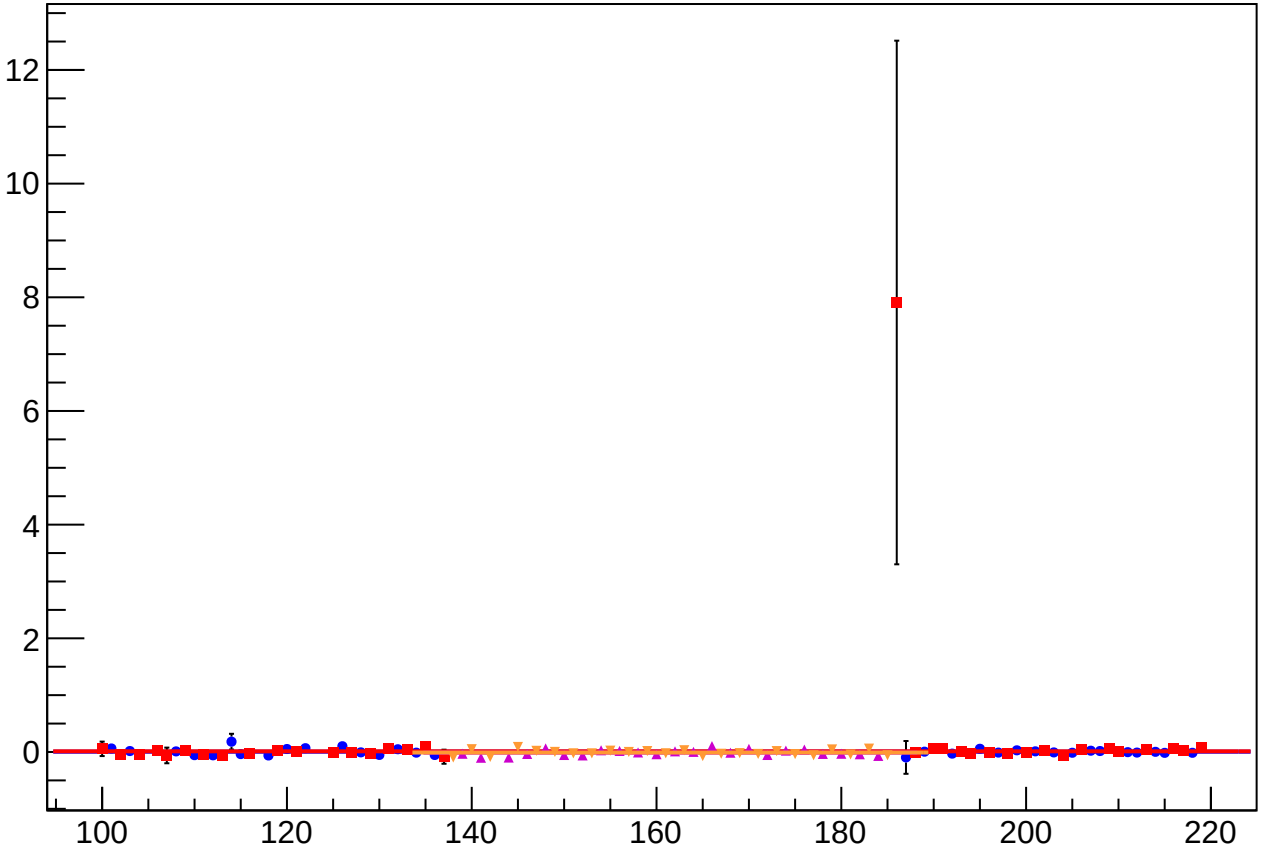
Right: 0.000+/-0.000 χ^2/NDF: 14928232.2/67

In: 0.000+/-0.000 χ^2/NDF:13355315.8/54

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

All: 0.000+/-0.000 χ^2/NDF: 26168071.2/114

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 20.7/31

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.012+/-0.007 χ^2/NDF: 36.3/35

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

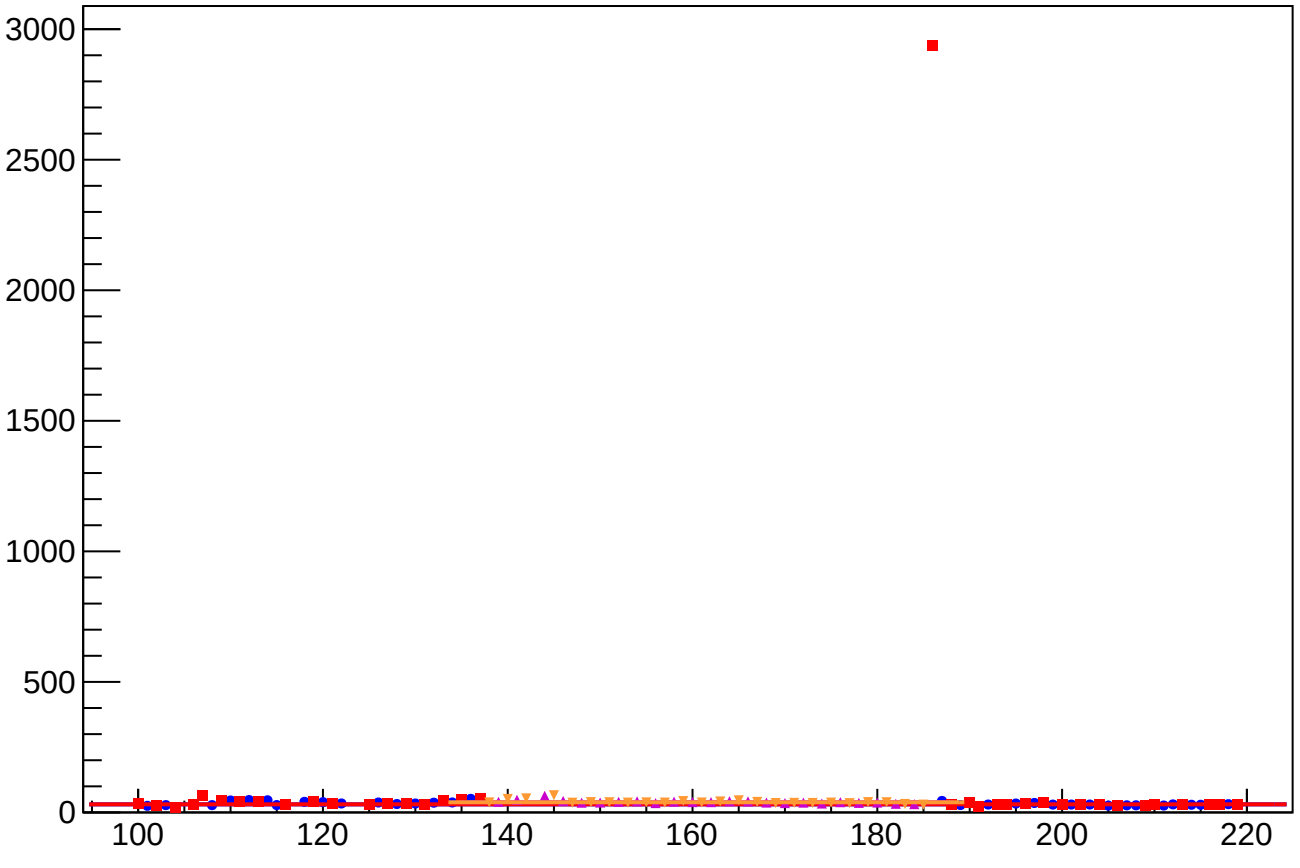
Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

Right: 0.008+/-0.005 χ^2/NDF: 57.5/67

In: -0.001+/-0.006 χ^2/NDF:45.8/54

Out: 0.004+/-0.006 χ^2/NDF:59.0/59

All: 0.001+/-0.004 χ^2/NDF: 105.1/114



Right In: 30.948+/-0.005 χ^2/NDF: 972518.8/31

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

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

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

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

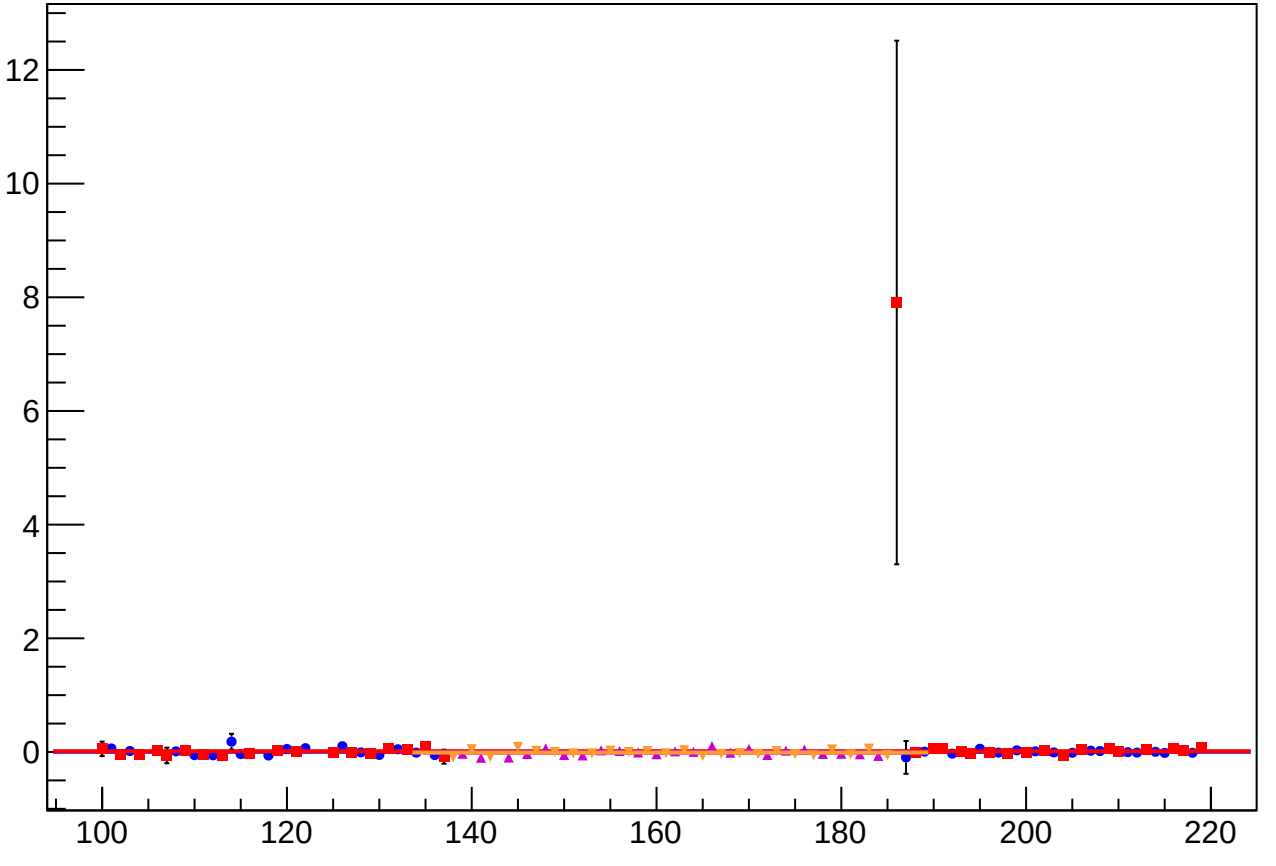
Right: 31.035+/-0.004 χ^2/NDF: 2983395.5/67

In: 33.997+/-0.004 χ^2/NDF:2427657.0/54

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

All: 34.002+/-0.003 χ^2/NDF: 5932997.0/114

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 20.7/31

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.012+/-0.007 χ^2/NDF: 36.3/35

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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

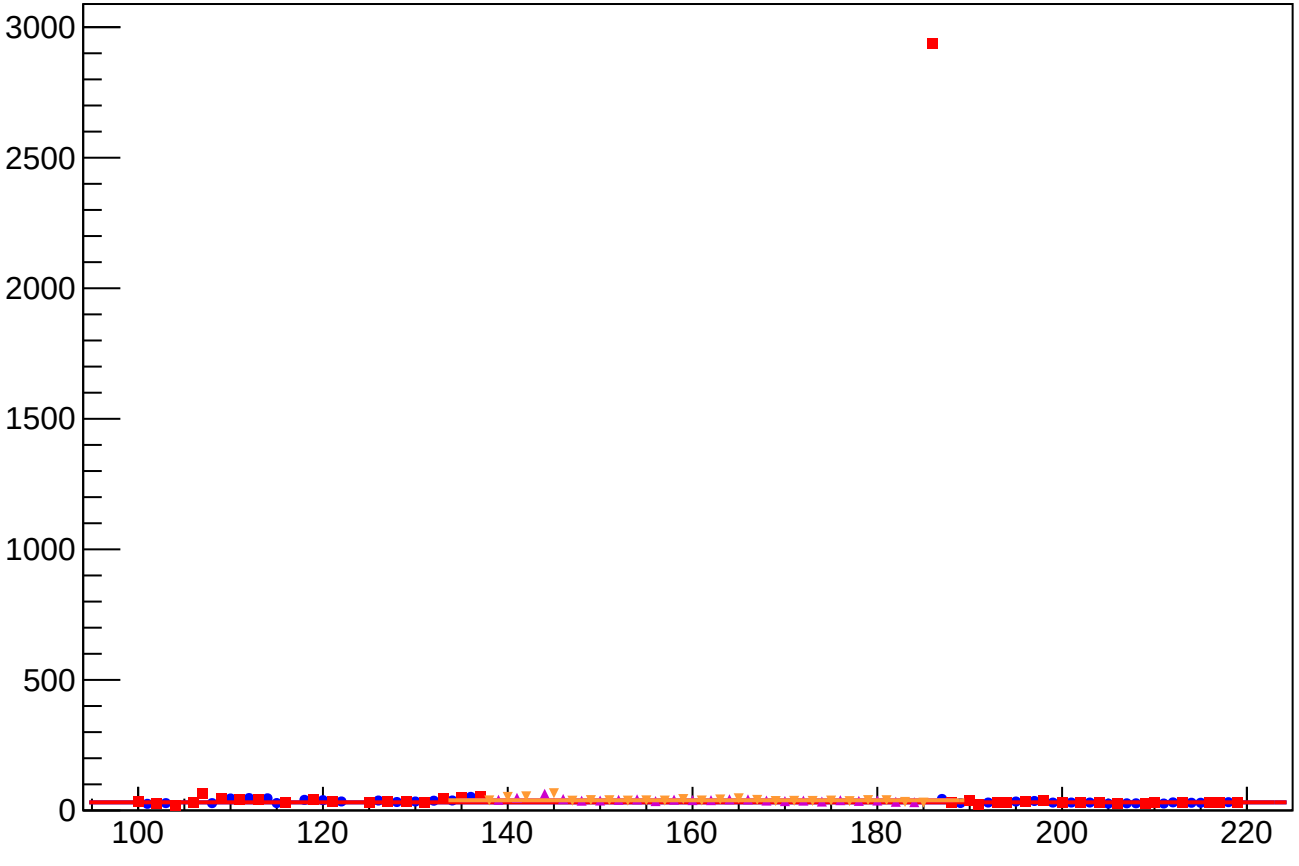
Right: 0.008+/-0.005 χ^2/NDF: 57.5/67

In: -0.001+/-0.006 χ^2/NDF:45.8/54

Out: 0.004+/-0.006 χ^2/NDF:59.0/59

All: 0.001+/-0.004 χ^2/NDF: 105.1/114

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.948+/-0.005 χ^2/NDF: 972518.8/31

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

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

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

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

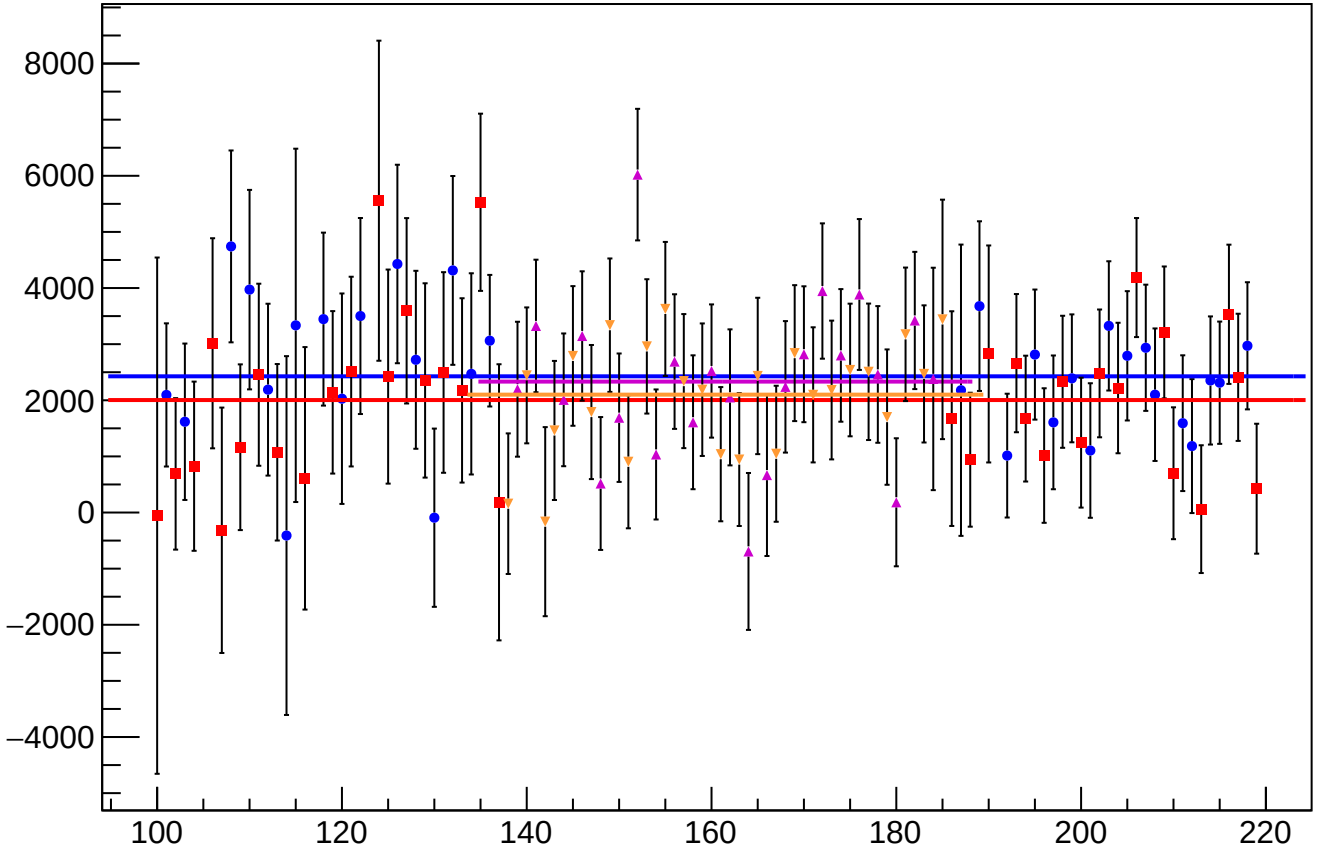
Right: 31.035+/-0.004 χ^2/NDF: 2983395.5/67

In: 33.997+/-0.004 χ^2/NDF:2427657.0/54

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

All: 34.002+/-0.003 χ^2/NDF: 5932997.0/114

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2427.042+/-242.057 χ^2/NDF: 17.1/31

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2004.139+/-237.075 χ^2/NDF: 28.3/35

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

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

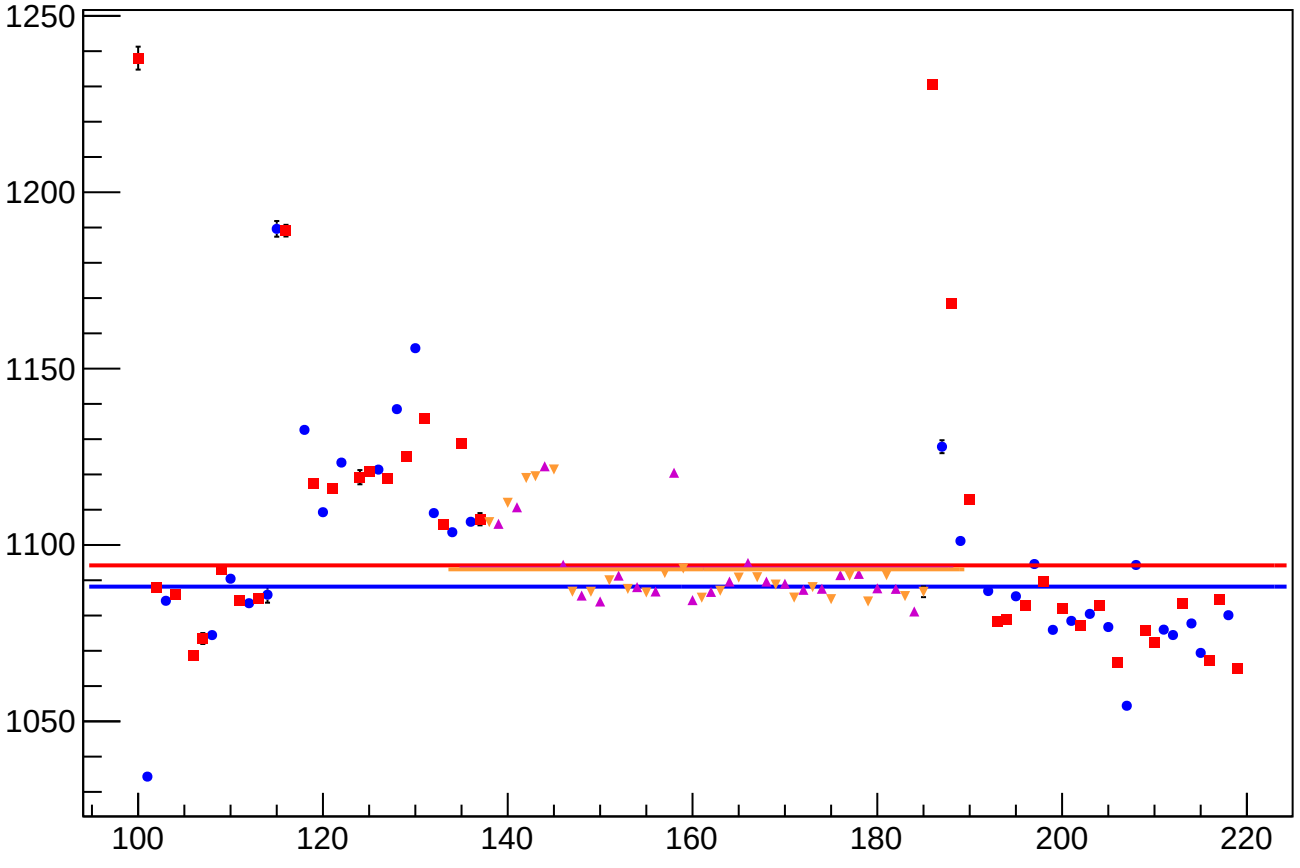
Right: 2211.193+/-169.371 χ^2/NDF: 46.9/67

In: 2382.499+/-175.650 χ^2/NDF:46.6/54

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

All: 2212.268+/-122.699 χ^2/NDF: 90.6/115

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1088.194+/-0.171 χ^2/NDF: 20355.8/31

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

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

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

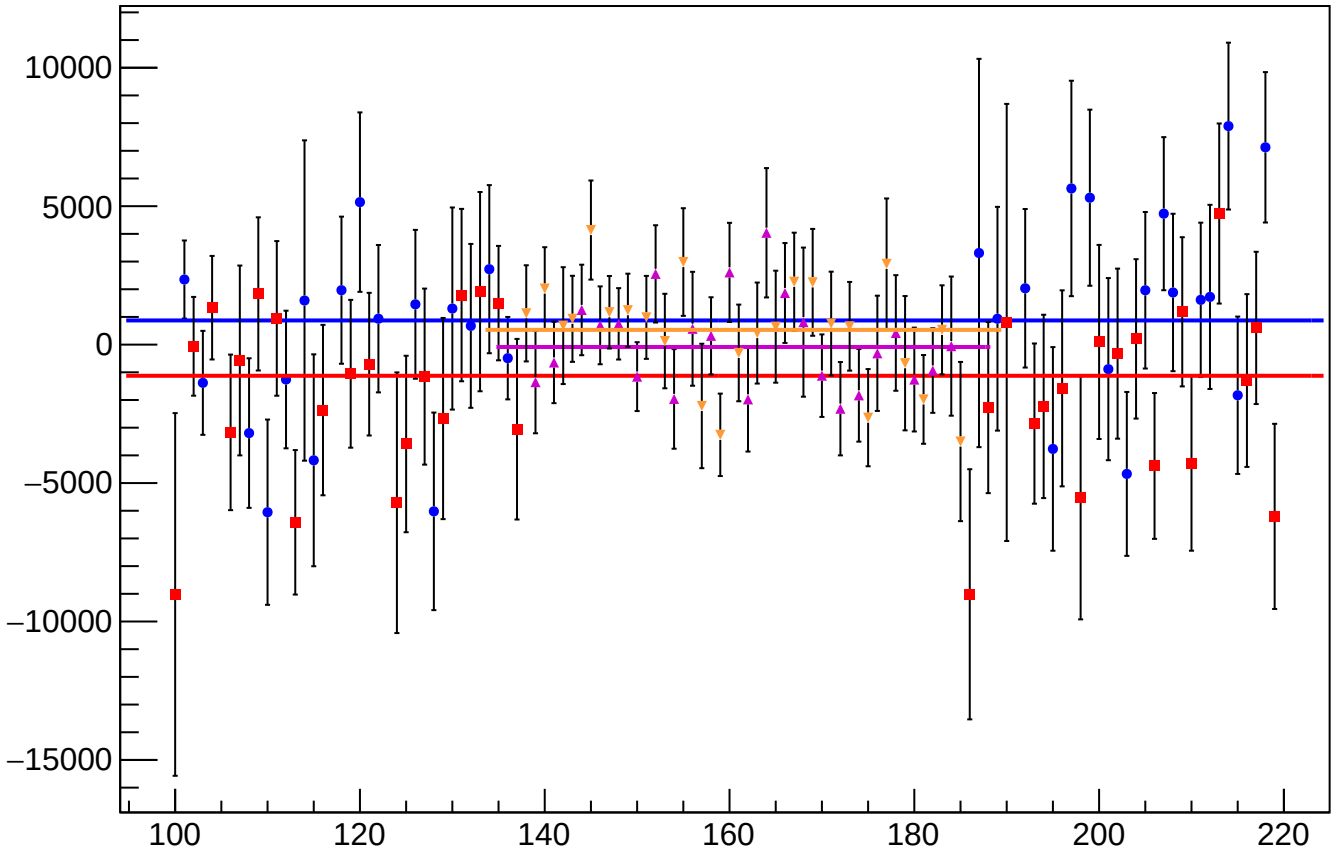
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1091.268+/-0.120 χ^2/NDF: 56670.7/67

In: 1090.629+/-0.124 χ^2/NDF:24509.2/54

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

All: 1092.194+/-0.087 χ^2/NDF: 64506.3/115



Right In: 873.353+/-485.926 χ^2/NDF: 41.6/31

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

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

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

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

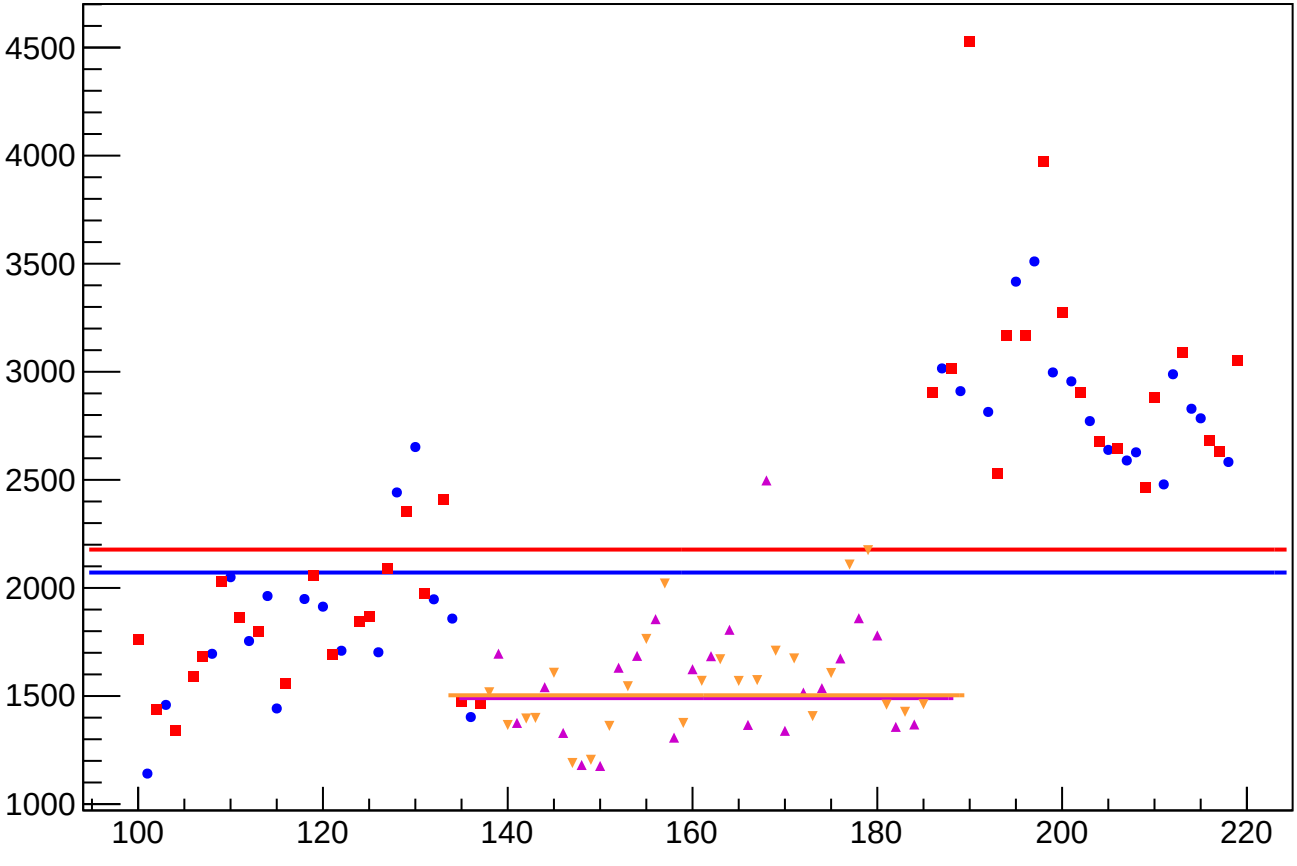
Right: -107.996+/-346.670 χ^2/NDF: 79.6/67

In: 246.977+/-286.089 χ^2/NDF:62.2/54

Out: -14.263+/-284.208 χ^2/NDF:63.7/60

All: 115.496+/-201.627 χ^2/NDF: 126.3/115

asym_usr_reg_correction_rms vs Slug, Sign Corrected



Right In: 2071.257+/-0.344 χ^2/NDF: 3752927.9/31

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2177.518+/-0.350 χ^2/NDF: 3521168.6/35

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

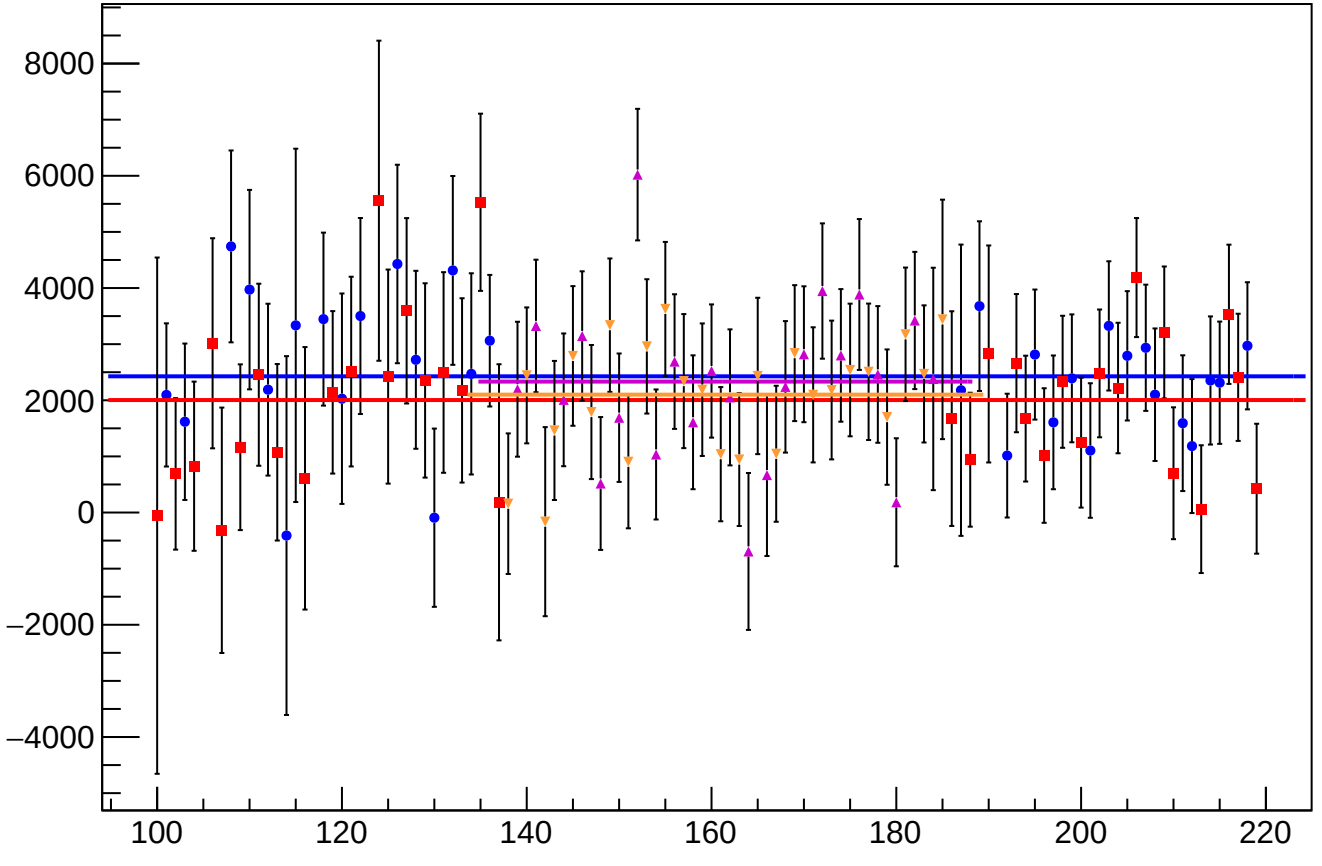
Right: 2123.434+/-0.245 χ^2/NDF: 7321058.4/67

In: 1691.686+/-0.202 χ^2/NDF:6588893.9/54

Out: 1725.902+/-0.201 χ^2/NDF:6808480.3/60

All: 1708.907+/-0.143 χ^2/NDF: 13411772.7/1

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2427.042+/-242.057 χ^2/NDF: 17.1/31

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2004.139+/-237.075 χ^2/NDF: 28.3/35

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

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

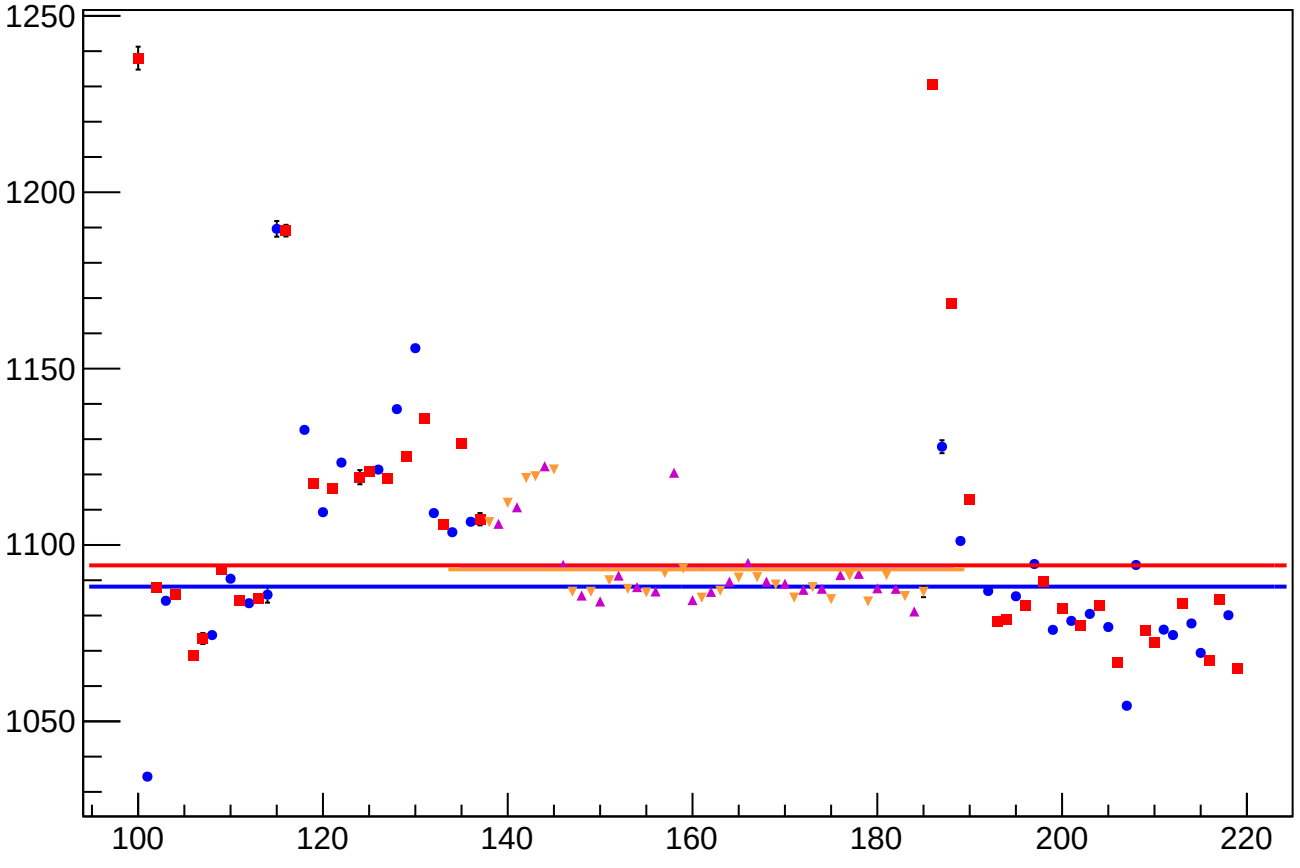
Right: 2211.193+/-169.371 χ^2/NDF: 46.9/67

In: 2382.499+/-175.650 χ^2/NDF:46.6/54

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

All: 2212.268+/-122.699 χ^2/NDF: 90.6/115

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1088.194+/-0.171 χ^2/NDF: 20355.8/31

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

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

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

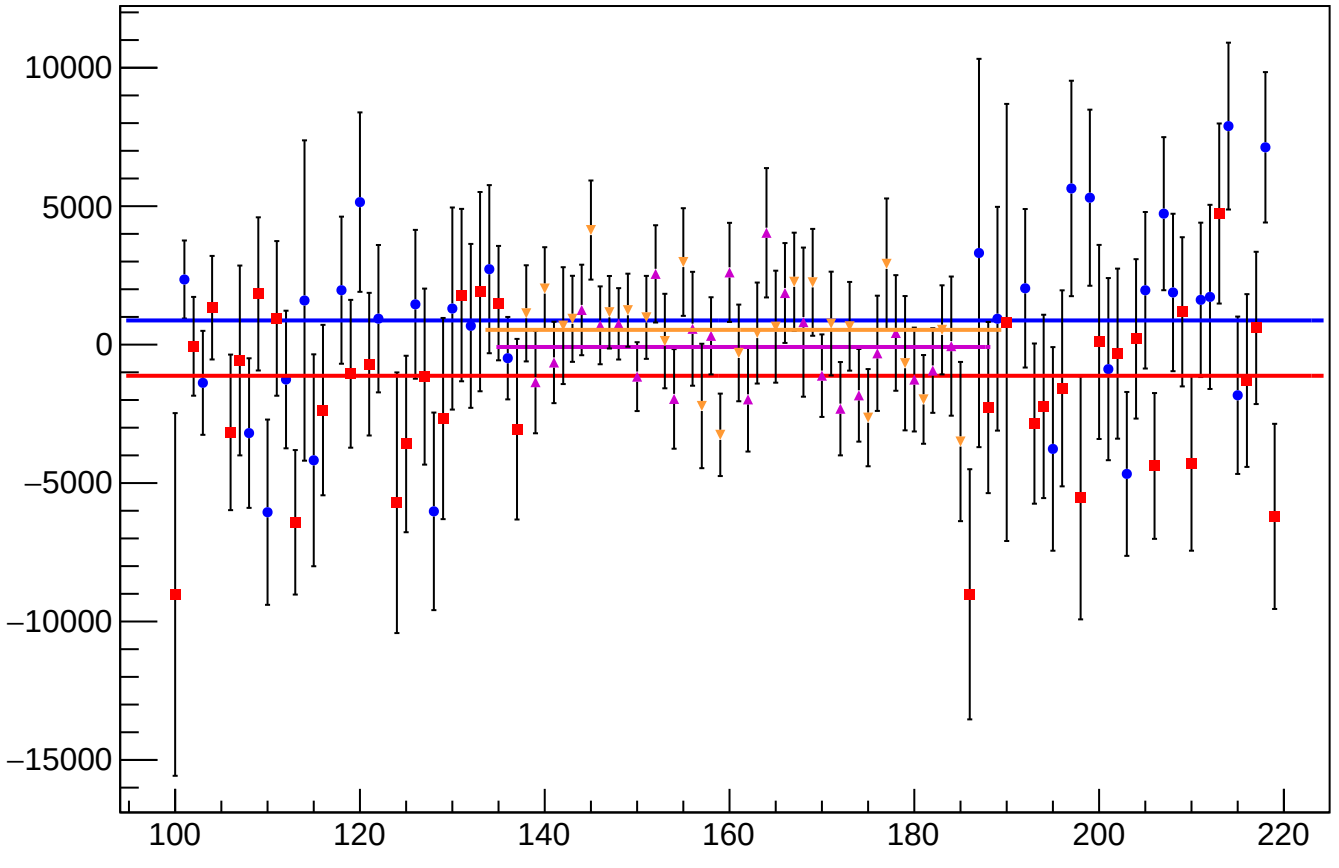
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1091.268+/-0.120 χ^2/NDF: 56670.7/67

In: 1090.629+/-0.124 χ^2/NDF:24509.2/54

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

All: 1092.194+/-0.087 χ^2/NDF: 64506.3/115



Right In: 873.353+/-485.926 χ^2/NDF: 41.6/31

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

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

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

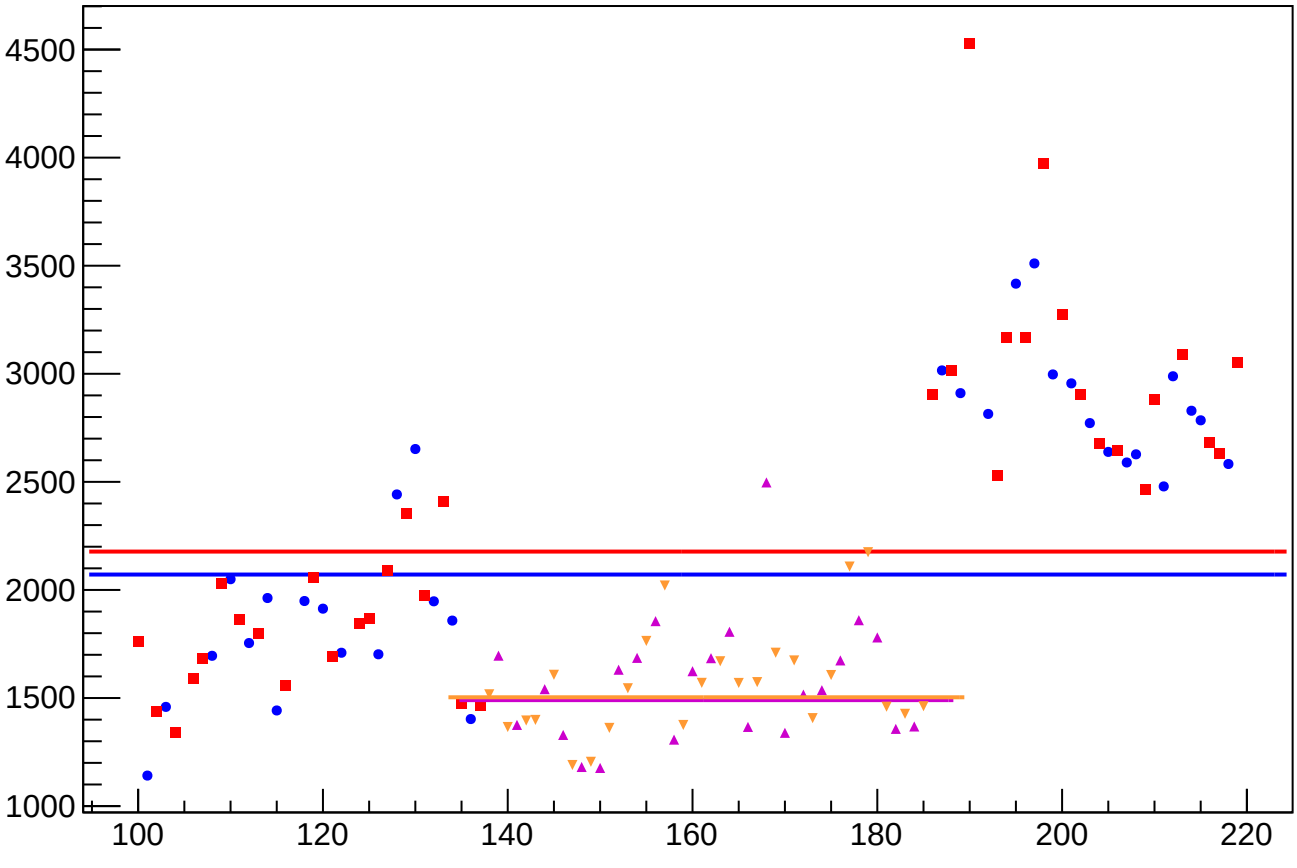
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -107.996+/-346.670 χ^2/NDF: 79.6/67

In: 246.977+/-286.089 χ^2/NDF:62.2/54

Out: -14.263+/-284.208 χ^2/NDF:63.7/60

All: 115.496+/-201.627 χ^2/NDF: 126.3/115



Right In: 2071.257+/-0.344 χ^2/NDF: 3752927.9/31

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2177.518+/-0.350 χ^2/NDF: 3521168.6/35

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

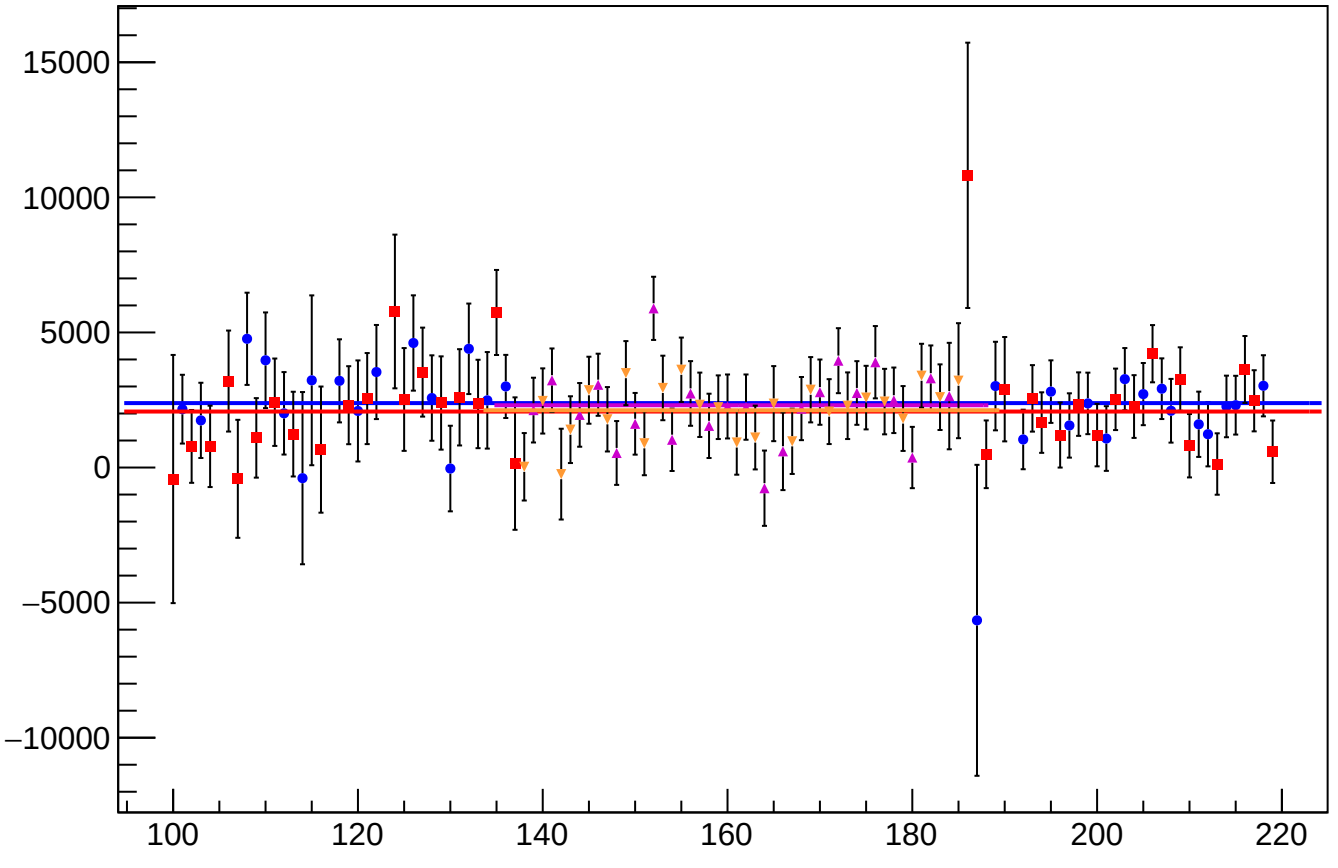
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 2123.434+/-0.245 χ^2/NDF: 7321058.4/67

In: 1691.686+/-0.202 χ^2/NDF:6588893.9/54

Out: 1725.902+/-0.201 χ^2/NDF:6808480.3/60

All: 1708.907+/-0.143 χ^2/NDF: 13411772.7/



Right In: 2385.010+/-242.968 χ^2/NDF: 18.4/31

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2072.523+/-238.752 χ^2/NDF: 32.7/35

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

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

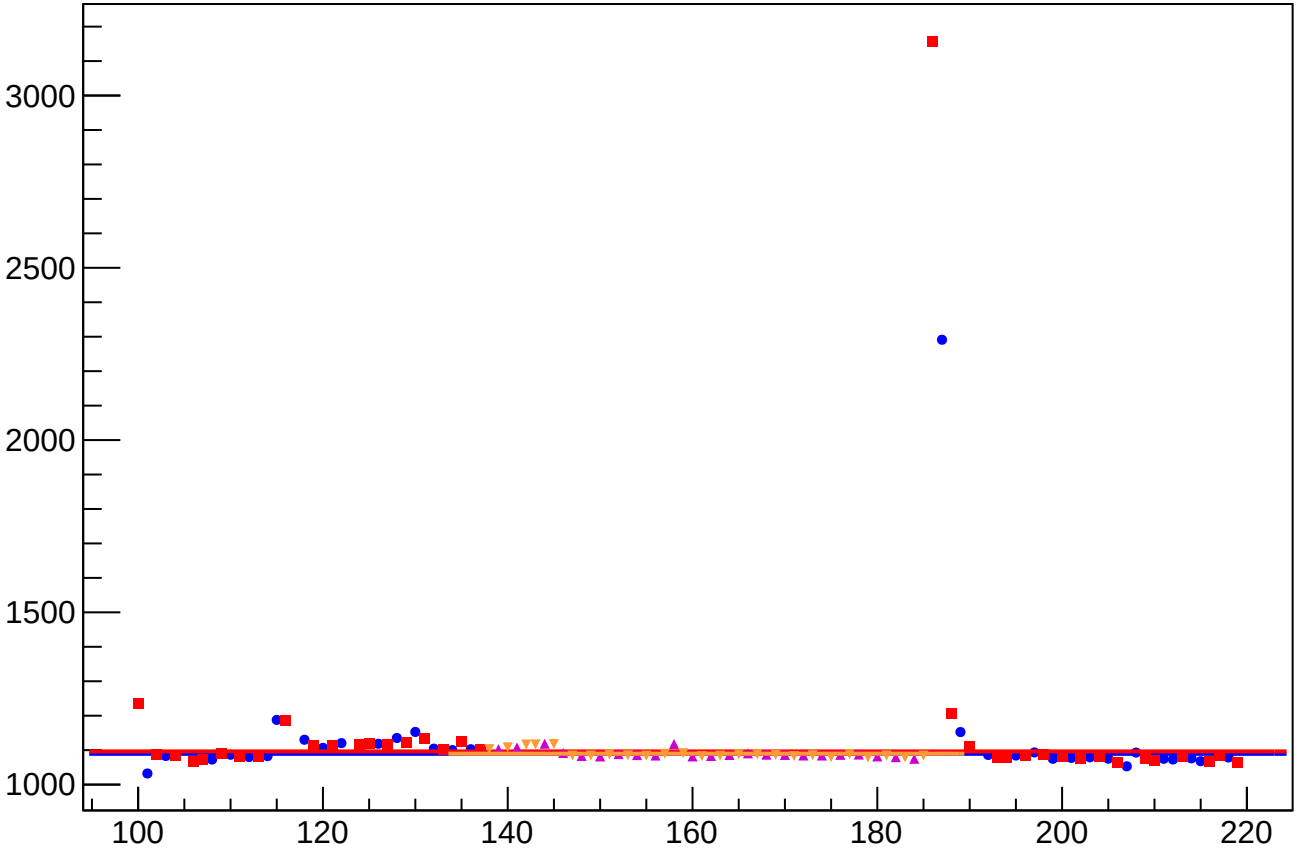
Right: 2226.032+/-170.294 χ^2/NDF: 51.9/67

In: 2347.055+/-175.739 χ^2/NDF:46.9/54

Out: 2095.390+/-171.847 χ^2/NDF:47.9/60

All: 2218.405+/-122.867 χ^2/NDF: 95.8/115

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1089.281+/-0.172 χ^2/NDF: 109677.5/31

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1096.373+/-0.169 χ^2/NDF: 385763.9/35

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

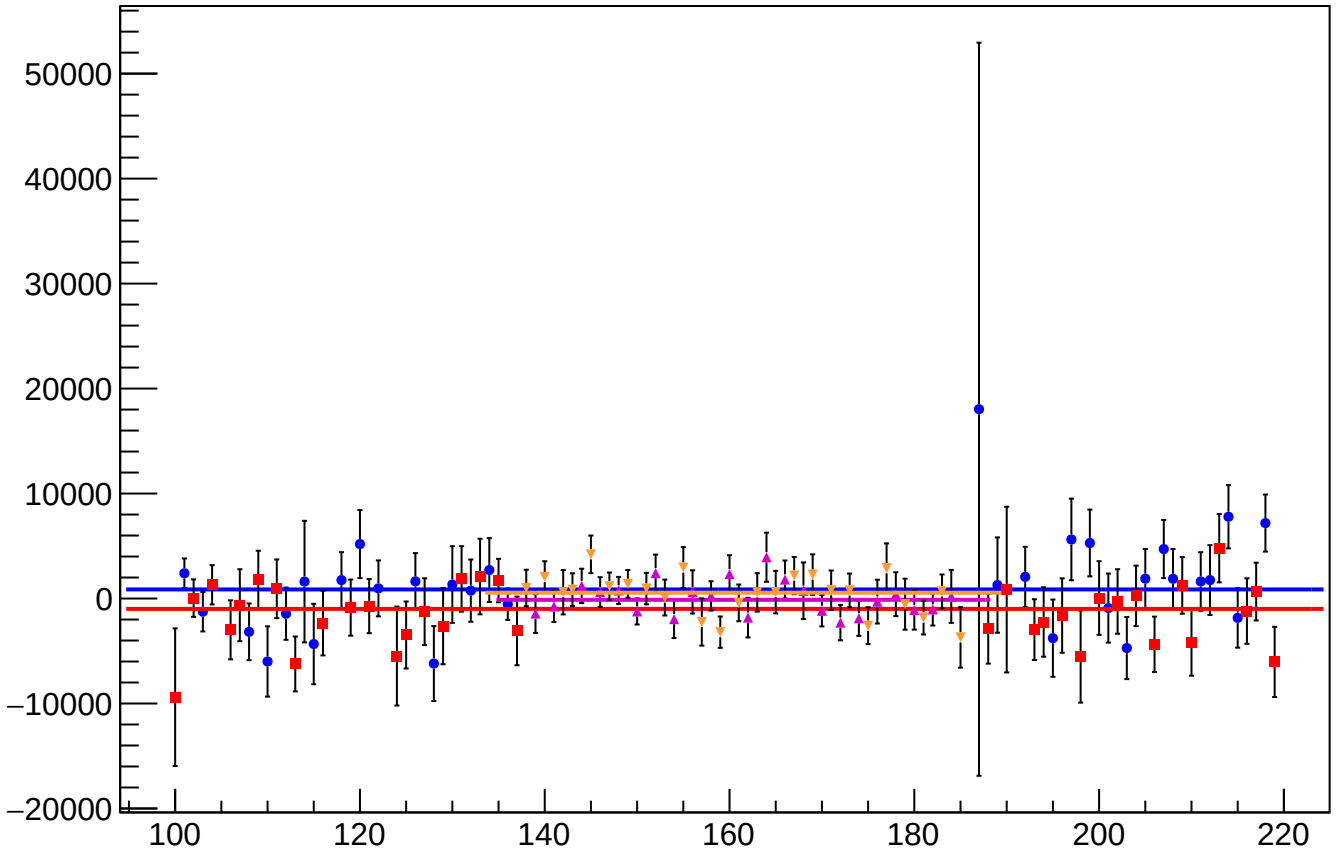
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1092.889+/-0.120 χ^2/NDF: 496308.4/67

In: 1089.607+/-0.124 χ^2/NDF:113581.1/54

Out: 1093.178+/-0.122 χ^2/NDF:390564.7/60

All: 1091.432+/-0.087 χ^2/NDF: 504568.0/115



Right In: 865.984+/-488.201 χ^2/NDF: 42.0/31

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -985.595+/-498.963 χ^2/NDF: 26.7/34

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

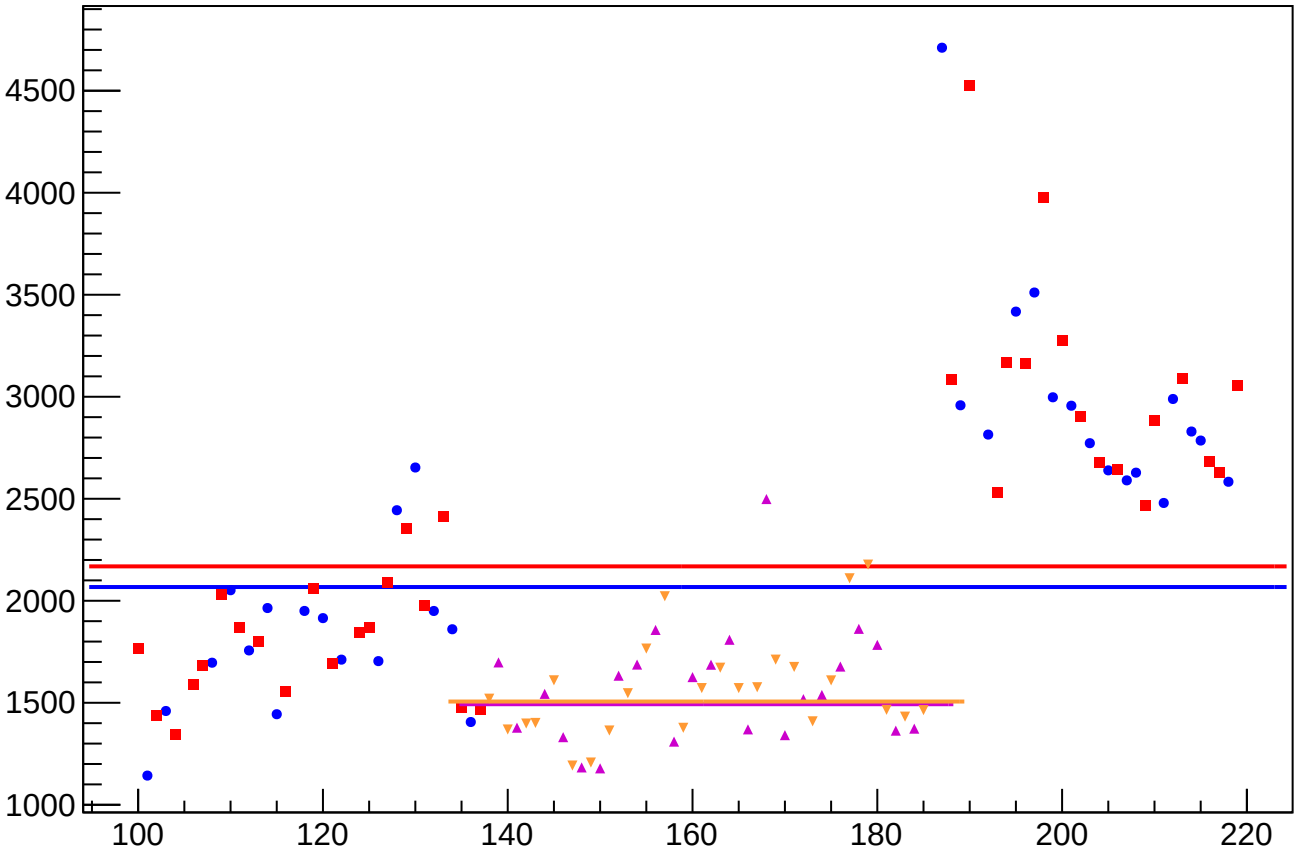
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -39.621+/-348.953 χ^2/NDF: 75.7/66

In: 219.520+/-286.873 χ^2/NDF:61.8/54

Out: 50.374+/-285.331 χ^2/NDF:59.2/59

All: 134.492+/-202.303 χ^2/NDF: 121.2/114



Right In: 2067.370+/-0.345 χ^2/NDF: 3704665.7/31

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 2168.600+/-0.353 χ^2/NDF: 3457544.4/34

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

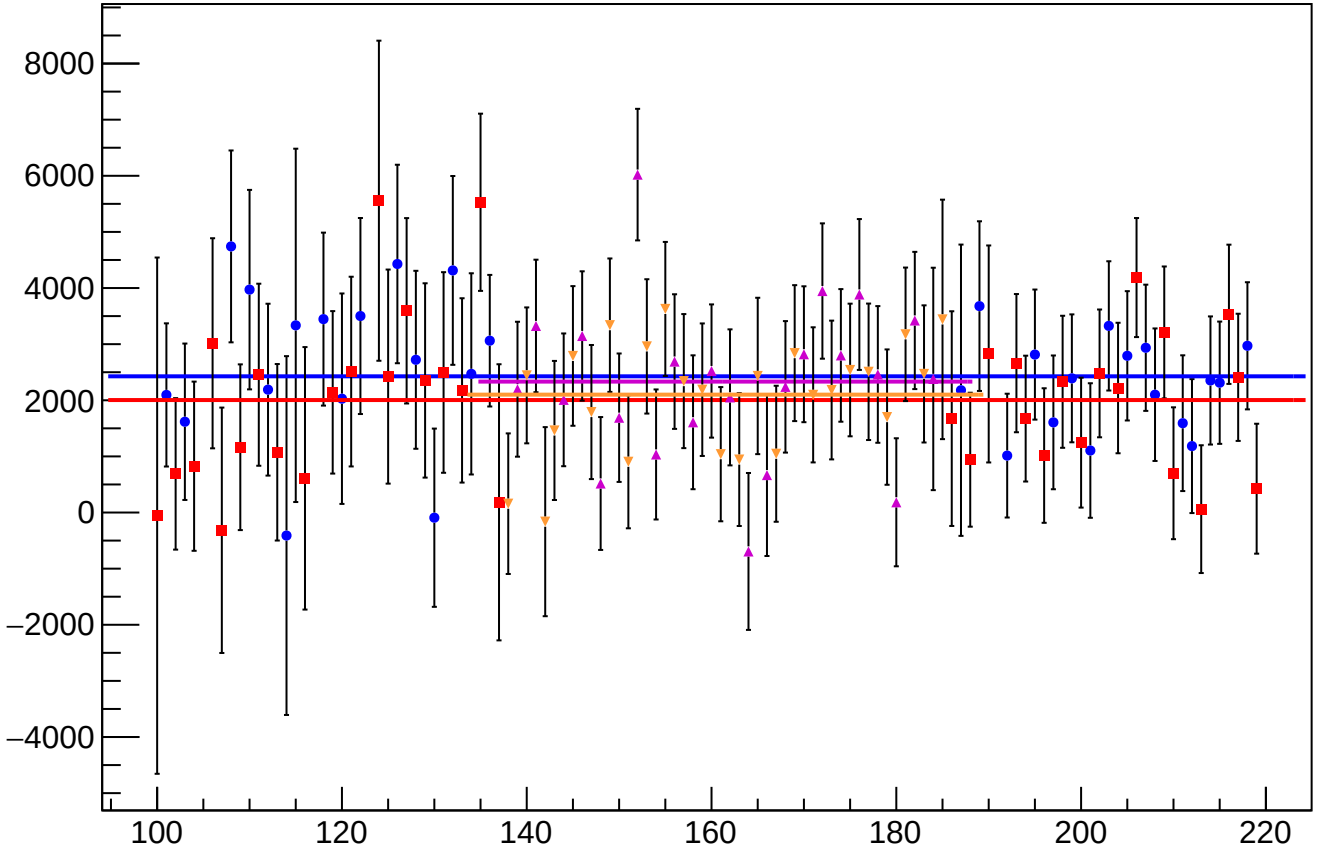
Right: 2116.881+/-0.247 χ^2/NDF: 7204267.8/66

In: 1691.308+/-0.203 χ^2/NDF:6481624.3/54

Out: 1722.746+/-0.202 χ^2/NDF:6626787.2/59

All: 1707.112+/-0.143 χ^2/NDF: 13120485.8/1

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2427.042+/-242.057 χ^2/NDF: 17.1/31

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2004.139+/-237.075 χ^2/NDF: 28.3/35

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

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

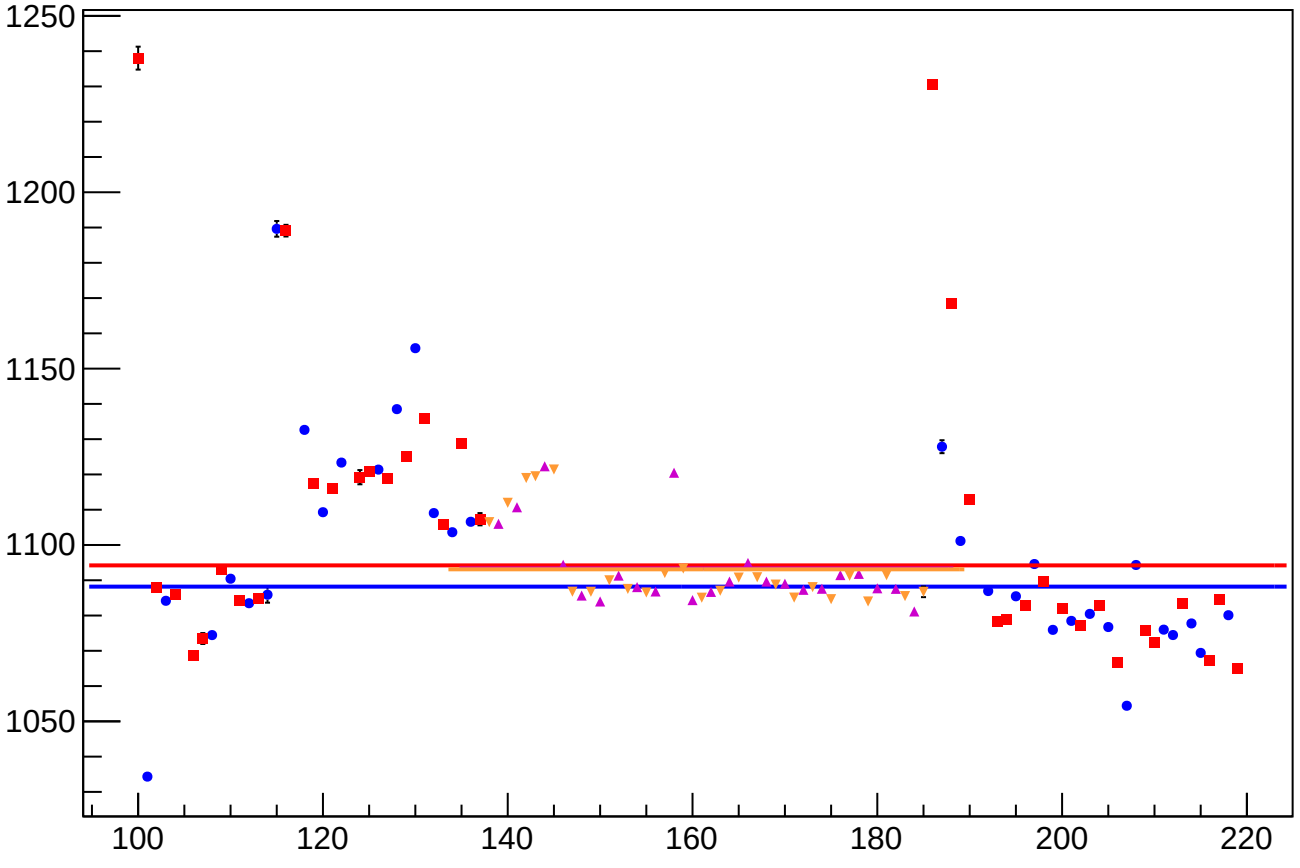
Right: 2211.193+/-169.371 χ^2/NDF: 46.9/67

In: 2382.499+/-175.650 χ^2/NDF:46.6/54

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

All: 2212.268+/-122.699 χ^2/NDF: 90.6/115

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1088.194+/-0.171 χ^2/NDF: 20355.8/31

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

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

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

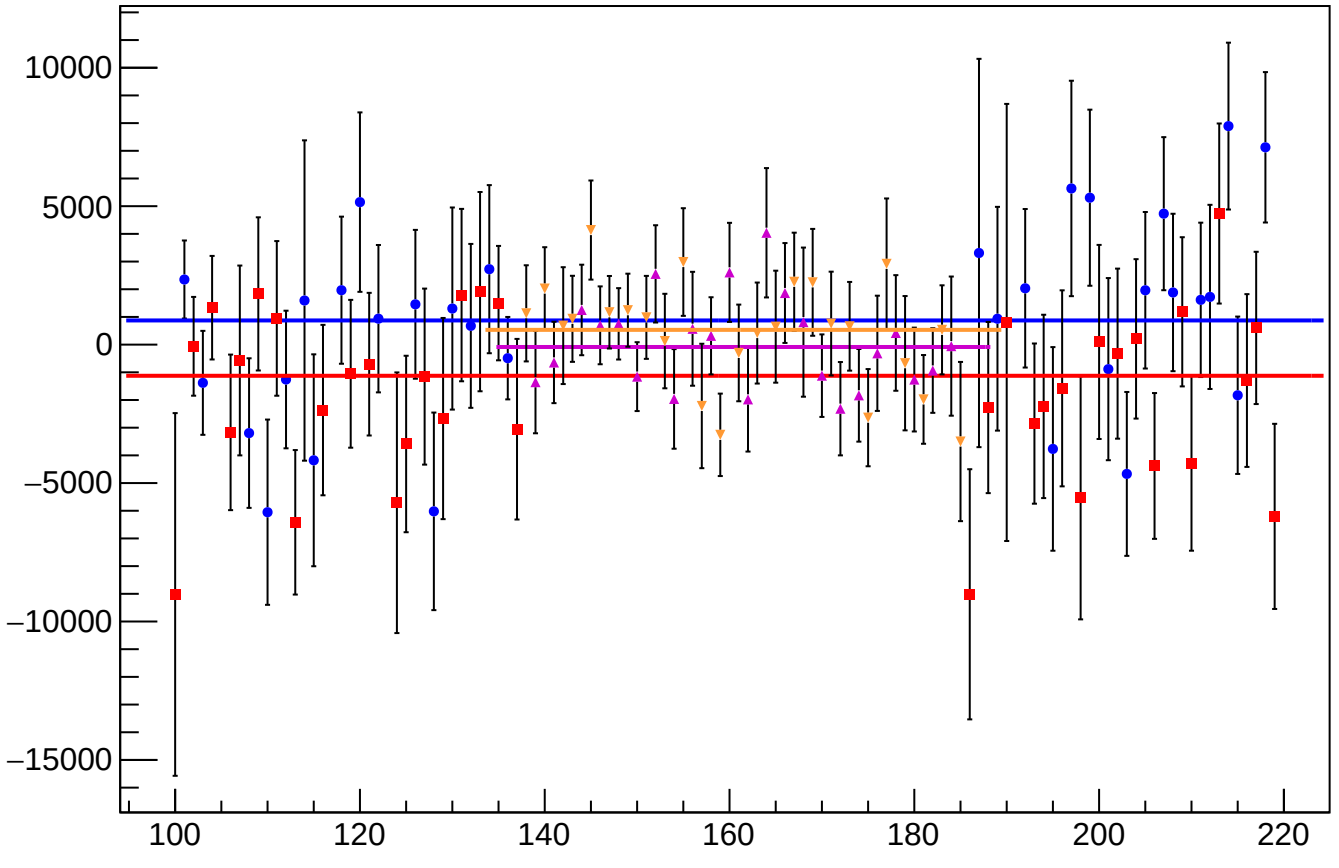
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1091.268+/-0.120 χ^2/NDF: 56670.7/67

In: 1090.629+/-0.124 χ^2/NDF:24509.2/54

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

All: 1092.194+/-0.087 χ^2/NDF: 64506.3/115



Right In: 873.353+/-485.926 χ^2/NDF: 41.6/31

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

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

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

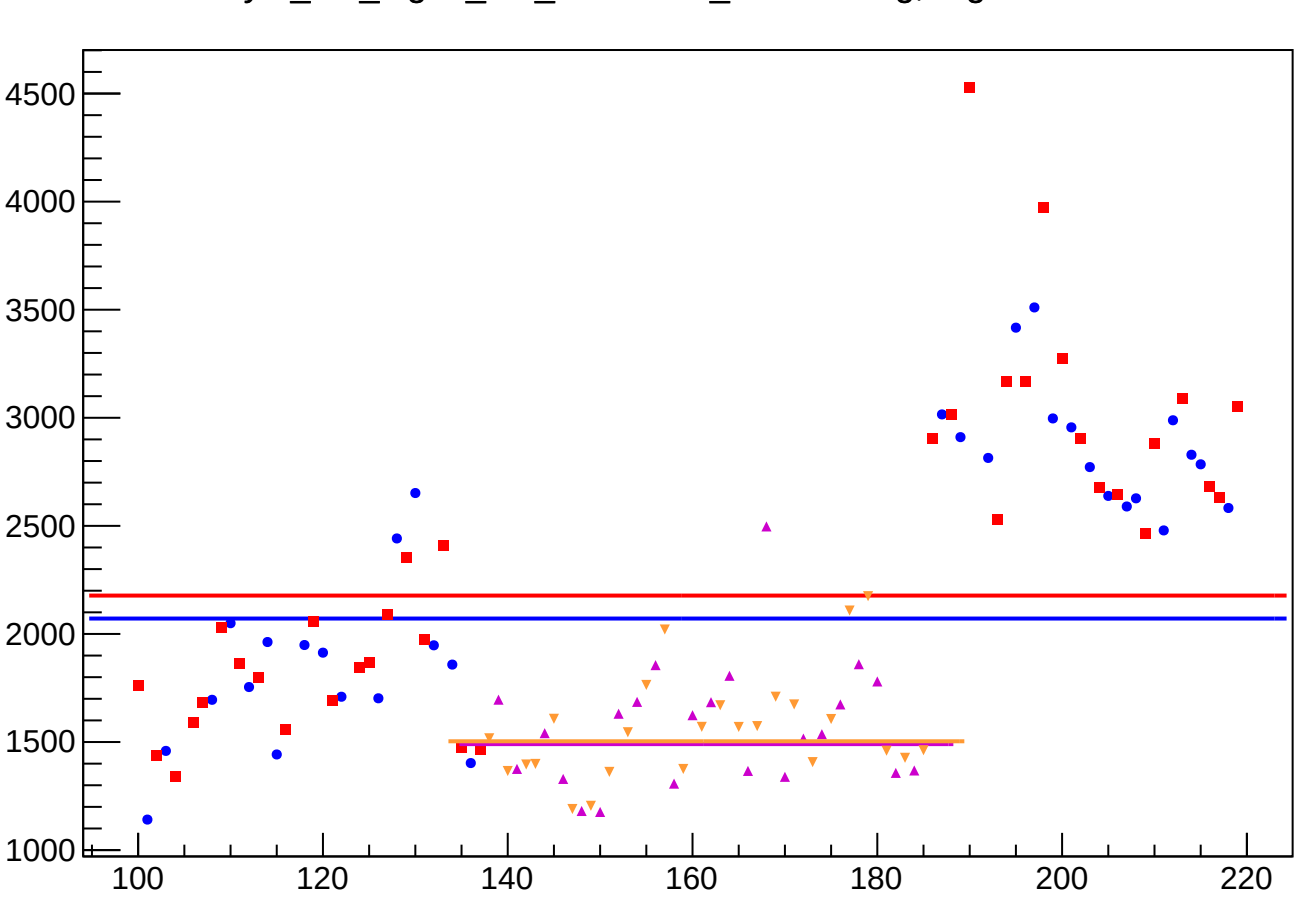
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -107.996+/-346.670 χ^2/NDF: 79.6/67

In: 246.977+/-286.089 χ^2/NDF:62.2/54

Out: -14.263+/-284.208 χ^2/NDF:63.7/60

All: 115.496+/-201.627 χ^2/NDF: 126.3/115



Right In: 2071.257+/-0.344 χ^2/NDF: 3752927.9/31

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2177.518+/-0.350 χ^2/NDF: 3521168.6/35

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

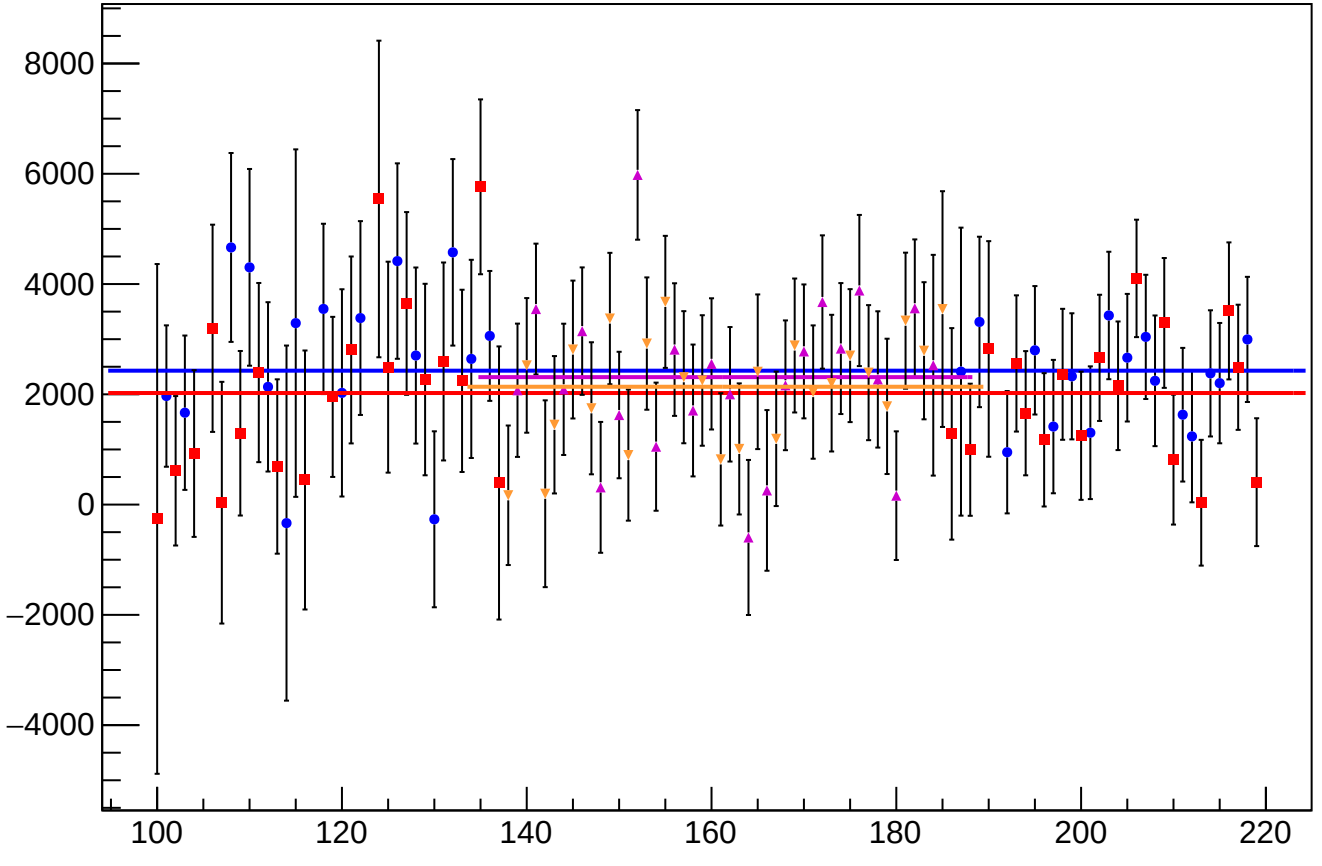
Right: 2123.434+/-0.245 χ^2/NDF: 7321058.4/67

In: 1691.686+/-0.202 χ^2/NDF:6588893.9/54

Out: 1725.902+/-0.201 χ^2/NDF:6808480.3/60

All: 1708.907+/-0.143 χ^2/NDF: 13411772.7/1

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2428.700+/-243.172 χ^2/NDF: 17.6/31

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 2023.612+/-238.063 χ^2/NDF: 28.7/35

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

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

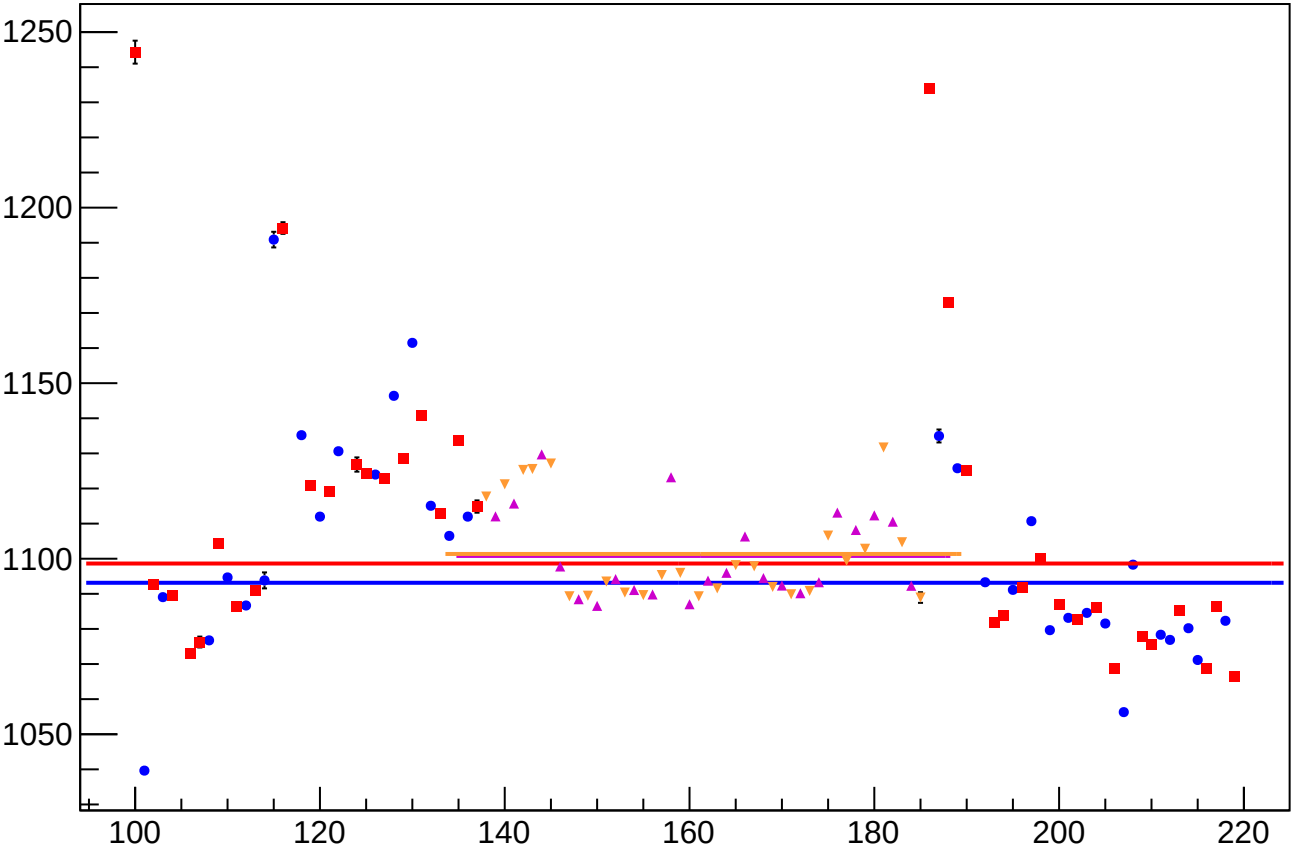
Right: 2221.856+/-170.114 χ^2/NDF: 47.7/67

In: 2373.469+/-176.646 χ^2/NDF:47.7/54

Out: 2077.578+/-172.465 χ^2/NDF:42.8/60

All: 2221.980+/-123.403 χ^2/NDF: 91.9/115

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1093.144+/-0.172 χ^2/NDF: 22346.3/31

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1098.630+/-0.168 χ^2/NDF: 36614.2/35

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

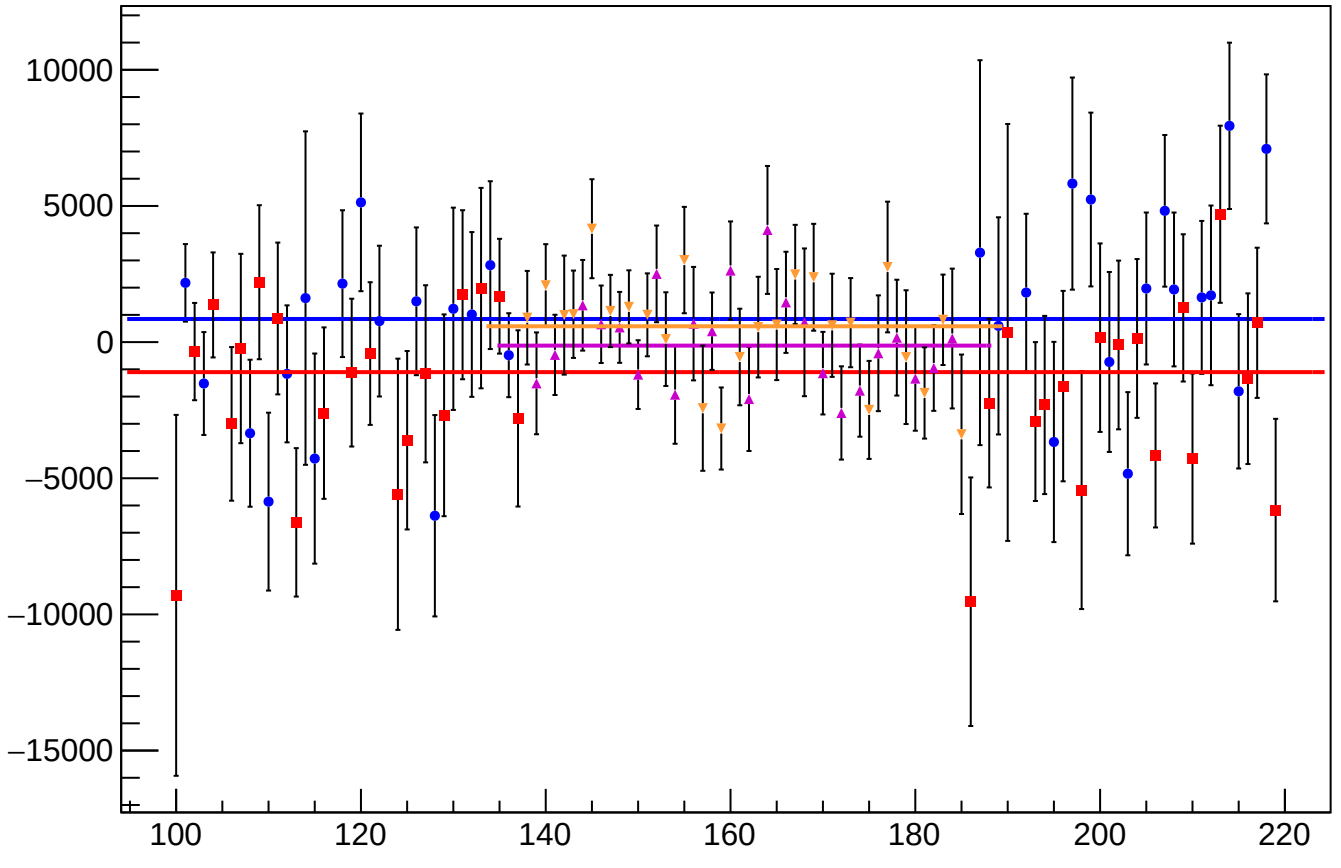
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1095.945+/-0.120 χ^2/NDF: 59480.2/67

In: 1096.756+/-0.125 χ^2/NDF:27922.5/54

Out: 1099.924+/-0.122 χ^2/NDF:42689.1/60

All: 1098.378+/-0.087 χ^2/NDF: 70941.0/115



Right In: 849.099+/-491.177 χ^2/NDF: 41.6/31

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: -1102.281+/-499.903 χ^2/NDF: 29.8/35

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

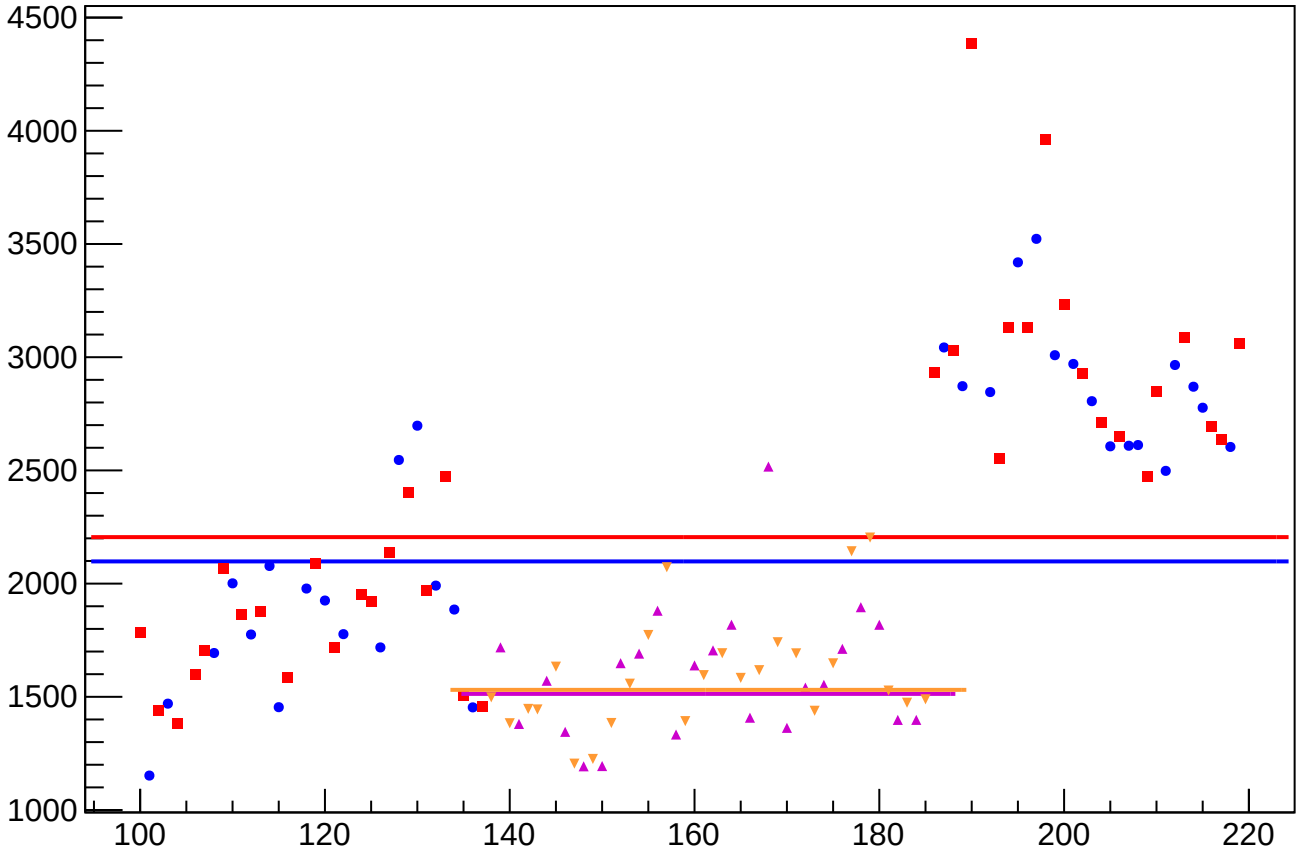
Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

Right: -109.411+/-350.359 χ^2/NDF: 79.1/67

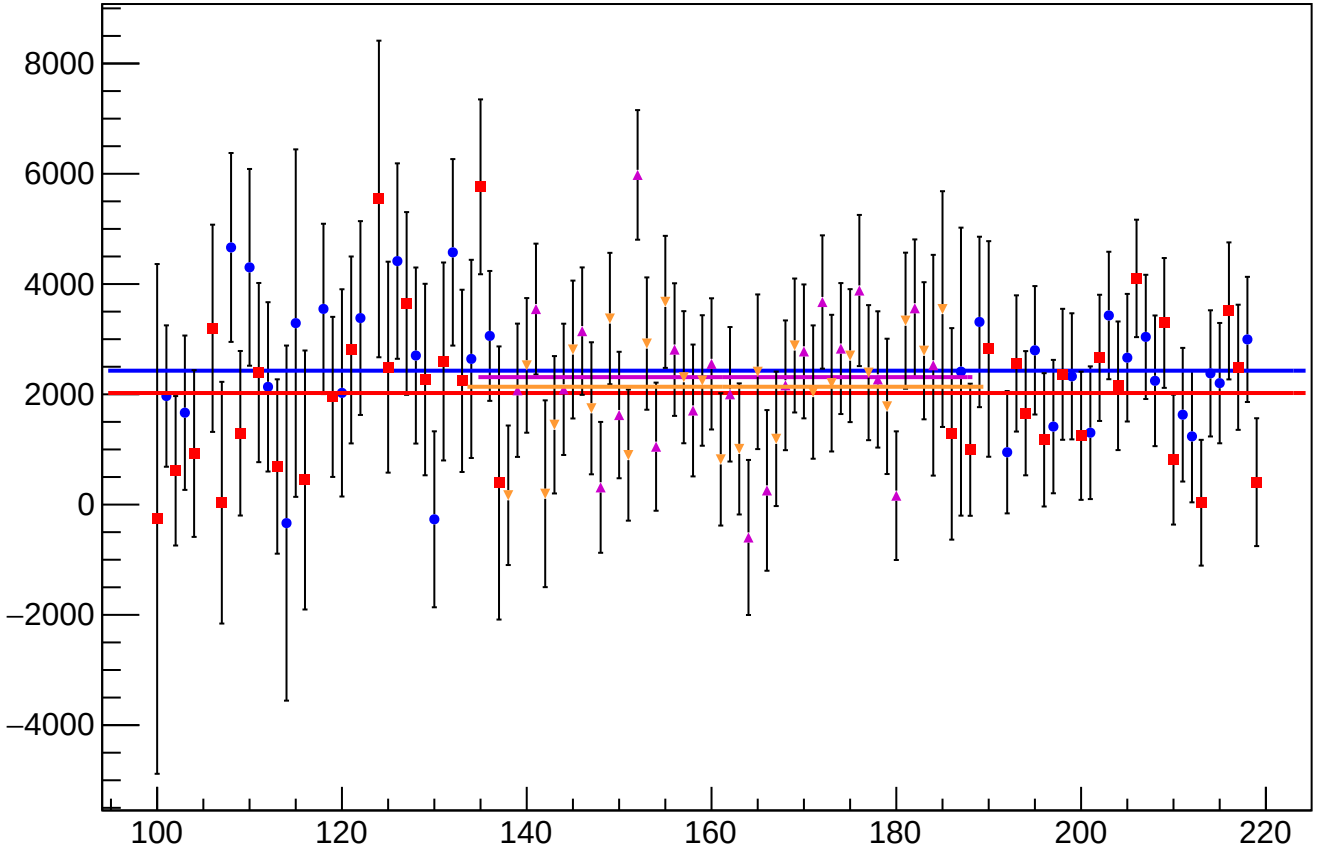
In: 211.882+/-289.903 χ^2/NDF:62.0/54

Out: 20.394+/-288.567 χ^2/NDF:62.8/60

All: 115.696+/-204.518 χ^2/NDF: 125.0/115


asym_usr_dit_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
220
Right In: 2098.061+/-0.347 χ²/NDF: 3631534.7/31
Left Out: 1530.764+/-0.250 χ²/NDF:795634.5/24
Right Out: 2205.355+/-0.353 χ²/NDF: 3353531.8/35
Left In: 1512.947+/-0.254 χ²/NDF:957059.5/22
Left: 1521.999+/-0.178 χ²/NDF: 1755195.1/47
Right: 2150.763+/-0.248 χ²/NDF: 7031943.8/67
In: 1716.778+/-0.205 χ²/NDF:6438040.9/54
Out: 1755.547+/-0.204 χ²/NDF:6577604.1/60
All: 1736.252+/-0.145 χ²/NDF: 13033610.9/1

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2428.701+/-243.172 χ^2/NDF: 17.6/31

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 2023.617+/-238.063 χ^2/NDF: 28.7/35

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

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

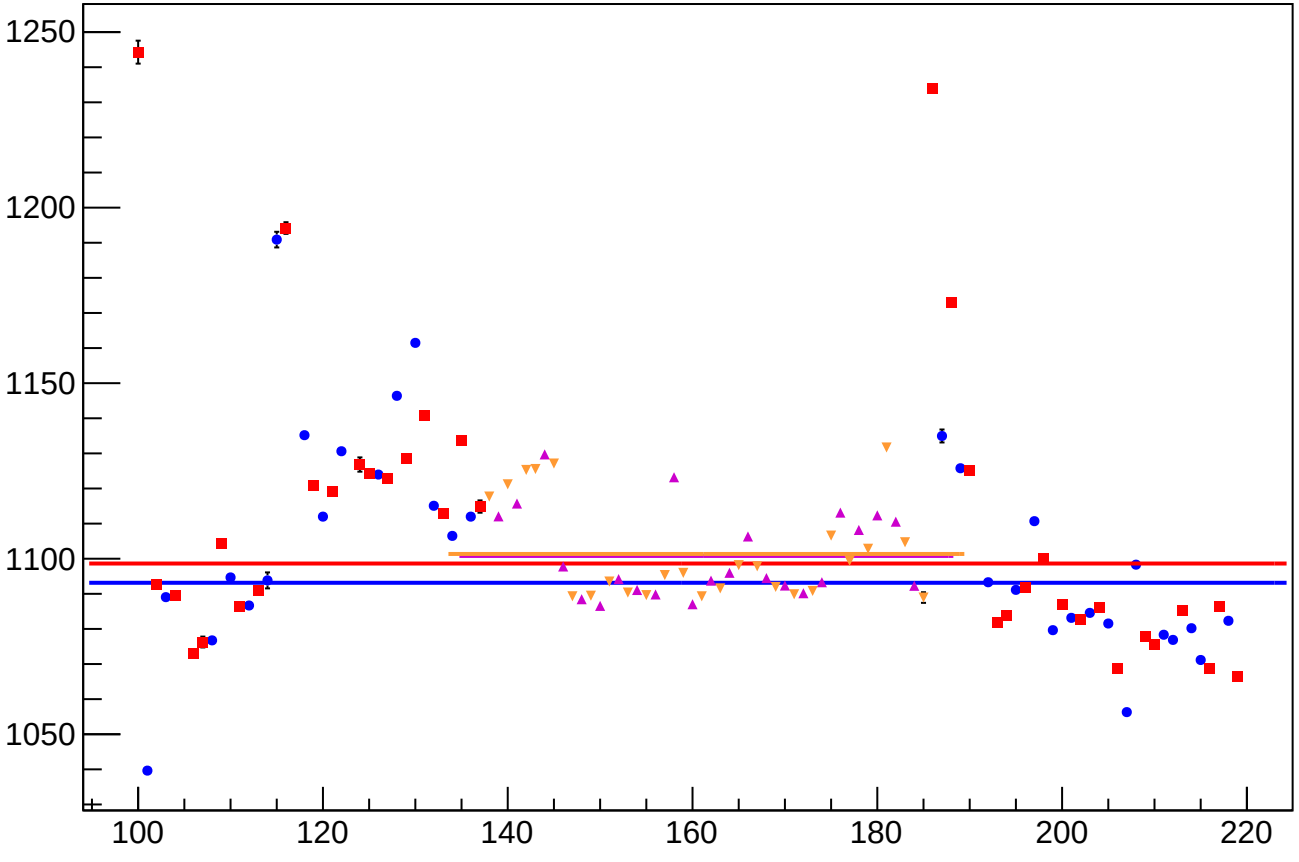
Right: 2221.859+/-170.114 χ^2/NDF: 47.7/67

In: 2373.469+/-176.646 χ^2/NDF:47.7/54

Out: 2077.580+/-172.465 χ^2/NDF:42.8/60

All: 2221.981+/-123.403 χ^2/NDF: 91.9/115

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1093.144+/-0.172 χ^2/NDF: 22346.1/31

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1098.630+/-0.168 χ^2/NDF: 36614.1/35

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

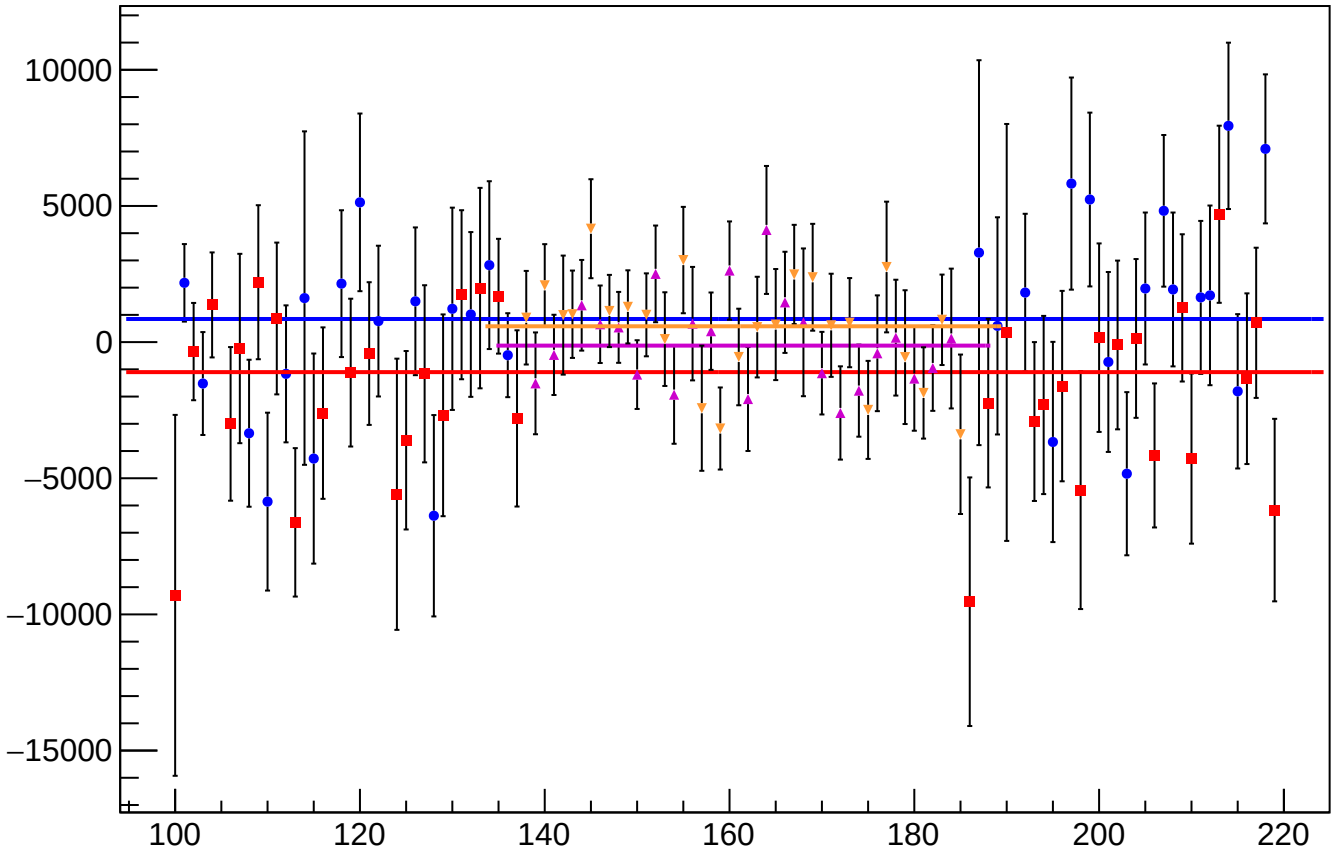
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1095.945+/-0.120 χ^2/NDF: 59480.0/67

In: 1096.756+/-0.125 χ^2/NDF:27922.3/54

Out: 1099.924+/-0.122 χ^2/NDF:42689.0/60

All: 1098.378+/-0.087 χ^2/NDF: 70940.7/115



Right In: 849.093+/-491.177 χ^2/NDF: 41.6/31

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -1102.280+/-499.903 χ^2/NDF: 29.8/35

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

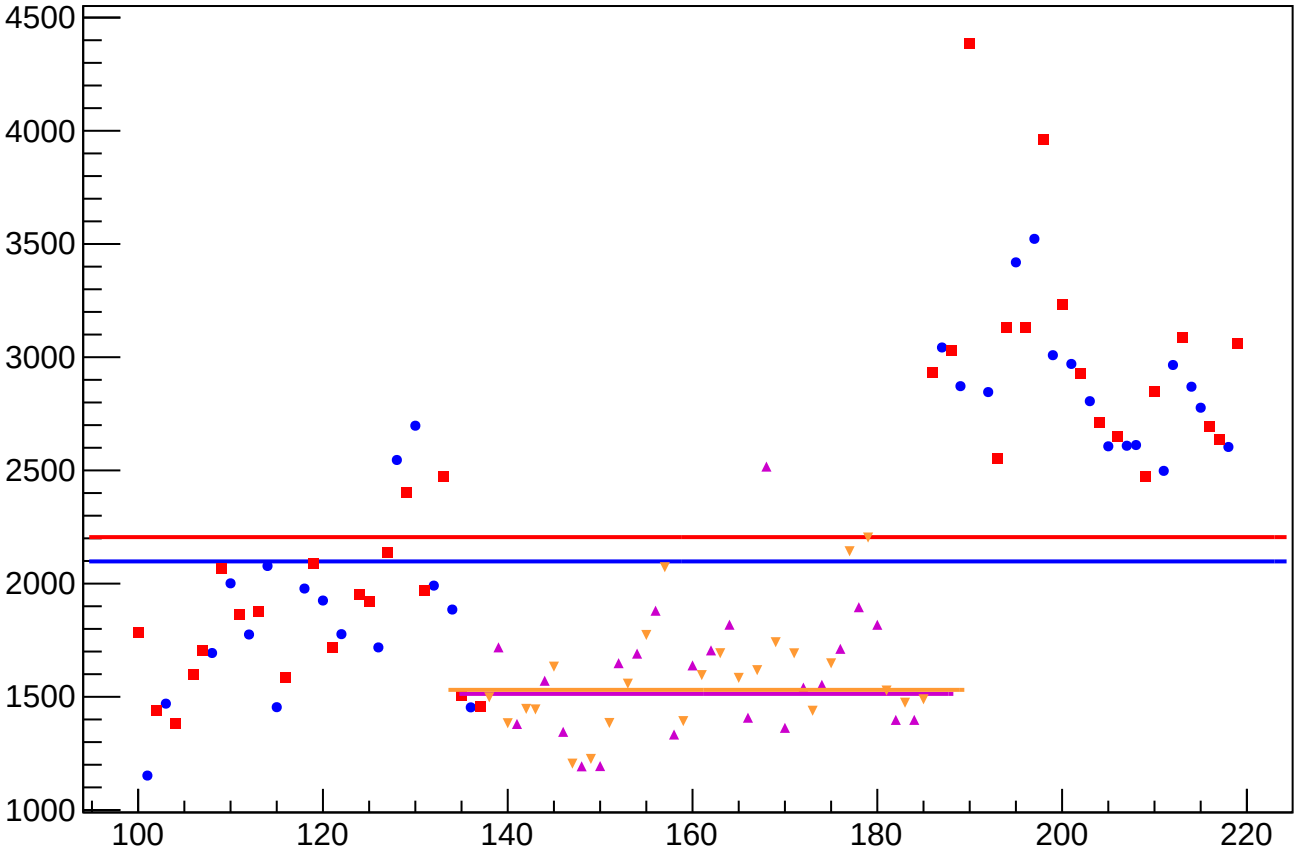
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -109.414+/-350.359 χ^2/NDF: 79.1/67

In: 211.882+/-289.904 χ^2/NDF:62.0/54

Out: 20.391+/-288.567 χ^2/NDF:62.8/60

All: 115.694+/-204.519 χ^2/NDF: 125.0/115



Right In: 2098.060+/-0.347 χ^2/NDF: 3631549.5/31

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 2205.354+/-0.353 χ^2/NDF: 3353532.9/35

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

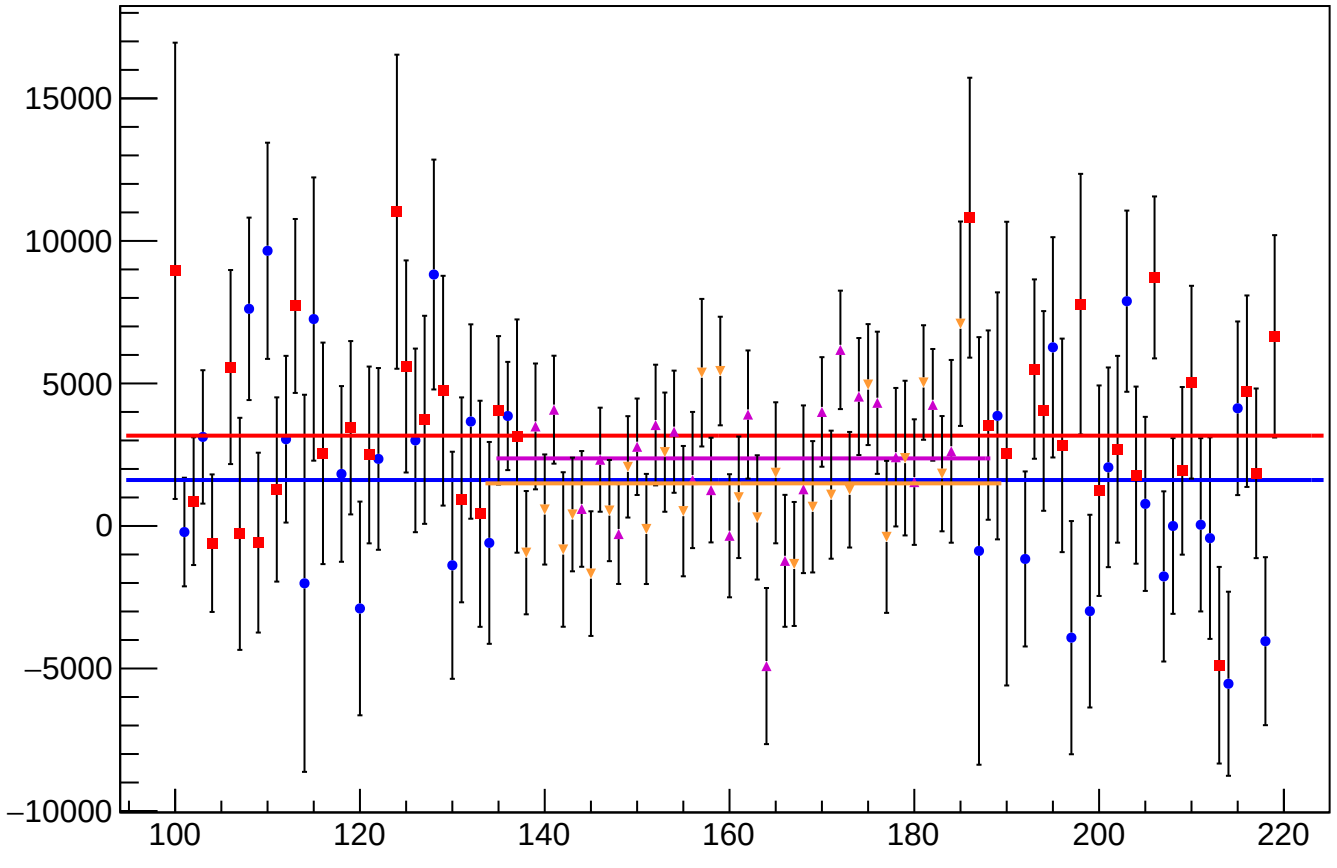
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 2150.762+/-0.248 χ^2/NDF: 7031959.8/67

In: 1716.781+/-0.205 χ^2/NDF:6438027.7/54

Out: 1755.550+/-0.204 χ^2/NDF:6577569.9/60

All: 1736.255+/-0.145 χ^2/NDF: 13033563.8/1



Right In: 1612.255+/-563.591 χ^2/NDF: 40.5/31

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 3168.759+/-566.466 χ^2/NDF: 28.6/35

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

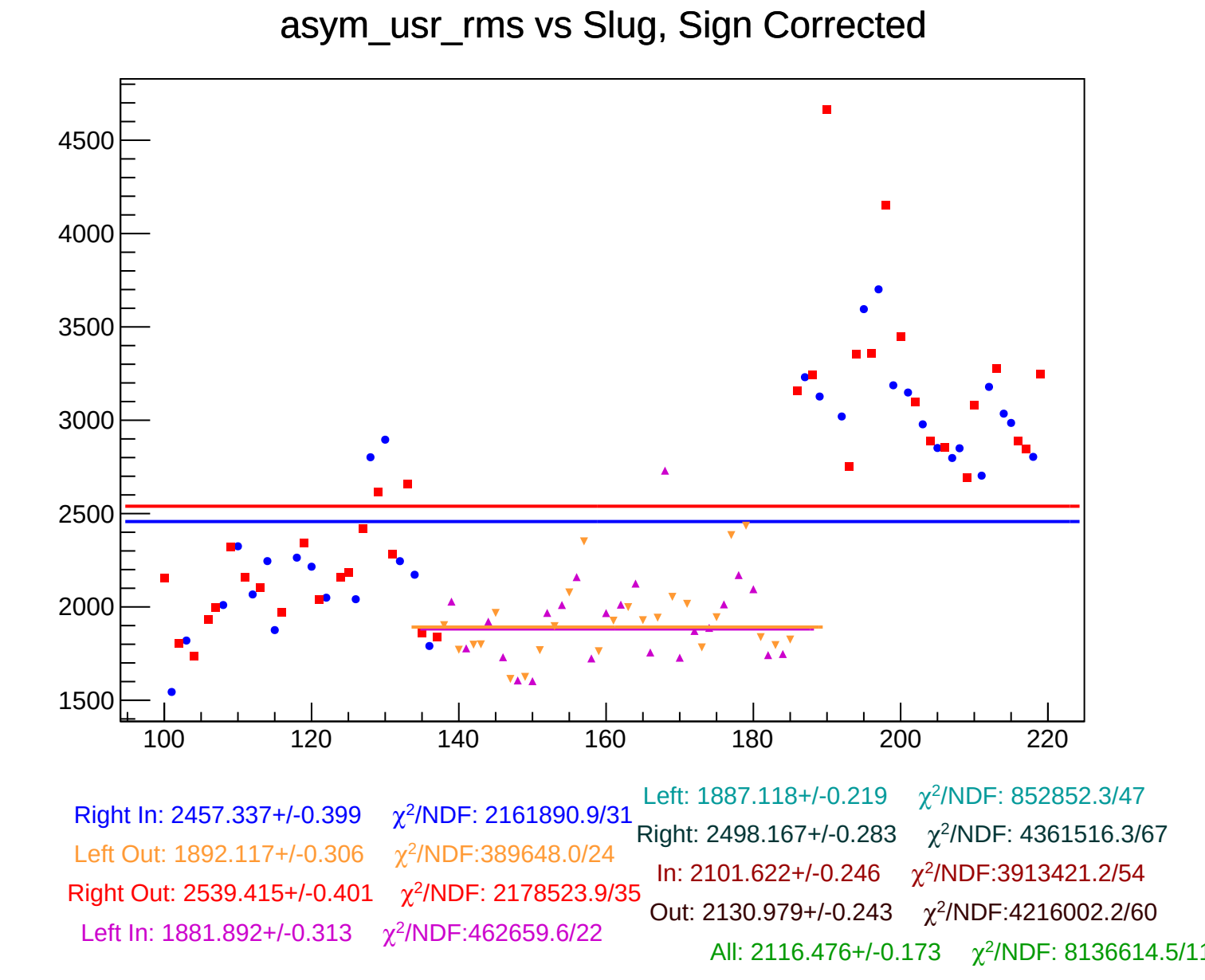
Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

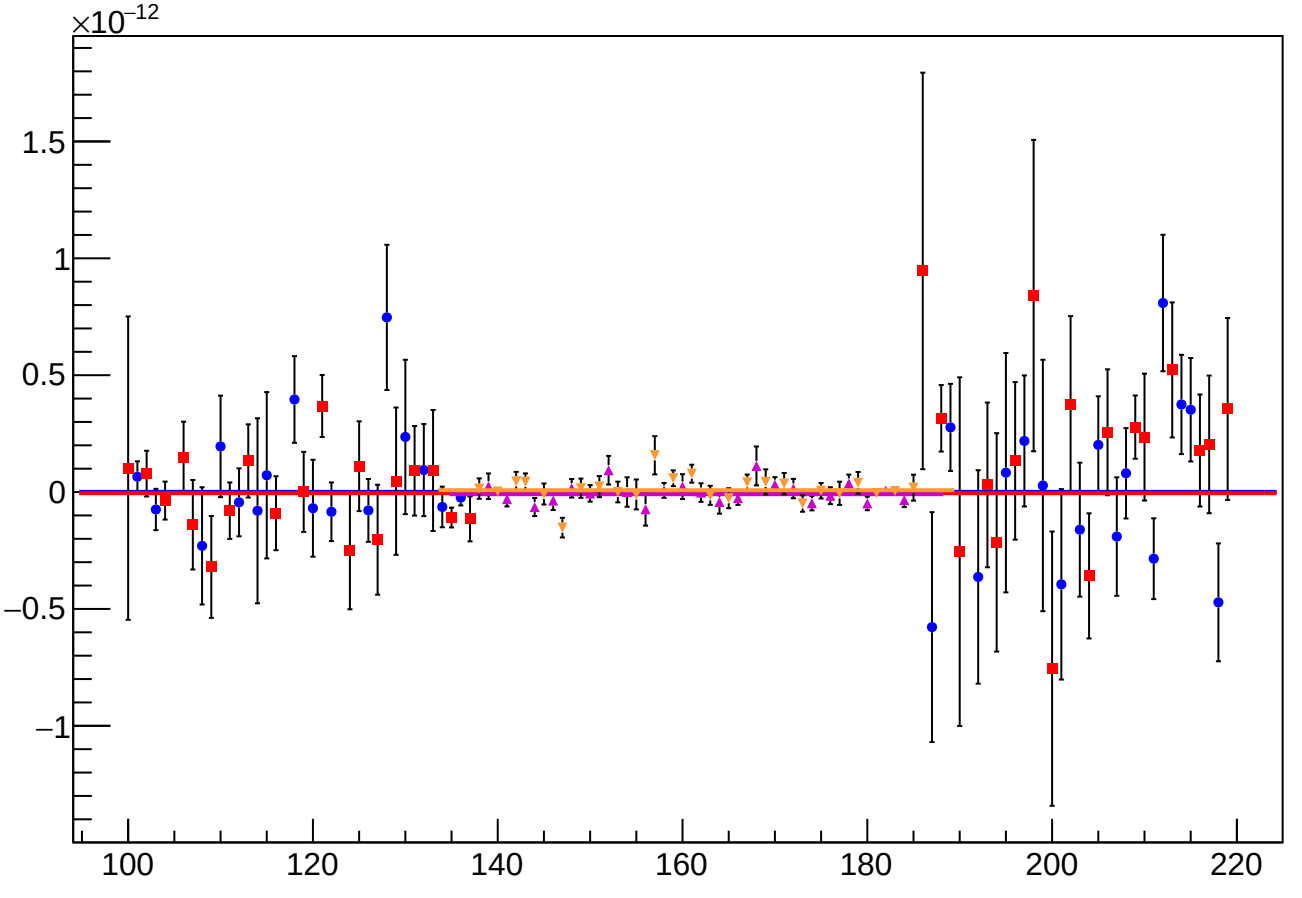
Right: 2386.547+/-399.531 χ^2/NDF: 72.9/67

In: 2081.089+/-348.262 χ^2/NDF:65.3/54

Out: 2112.653+/-344.108 χ^2/NDF:57.9/60

All: 2097.060+/-244.777 χ^2/NDF: 123.2/115


asym_usr_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
100
120
140
160
180
200
220
Right In: 2457.337+/-0.399 χ²/NDF: 2161890.9/31
Left Out: 1892.117+/-0.306 χ²/NDF:389648.0/24
Right Out: 2539.415+/-0.401 χ²/NDF: 2178523.9/35
Left In: 1881.892+/-0.313 χ²/NDF:462659.6/22
Left: 1887.118+/-0.219 χ²/NDF: 852852.3/47
Right: 2498.167+/-0.283 χ²/NDF: 4361516.3/67
In: 2101.622+/-0.246 χ²/NDF:3913421.2/54
Out: 2130.979+/-0.243 χ²/NDF:4216002.2/60
All: 2116.476+/-0.173 χ²/NDF: 8136614.5/11



Right In: 0.000+/-0.000 χ^2/NDF: 43.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 47.9/35

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

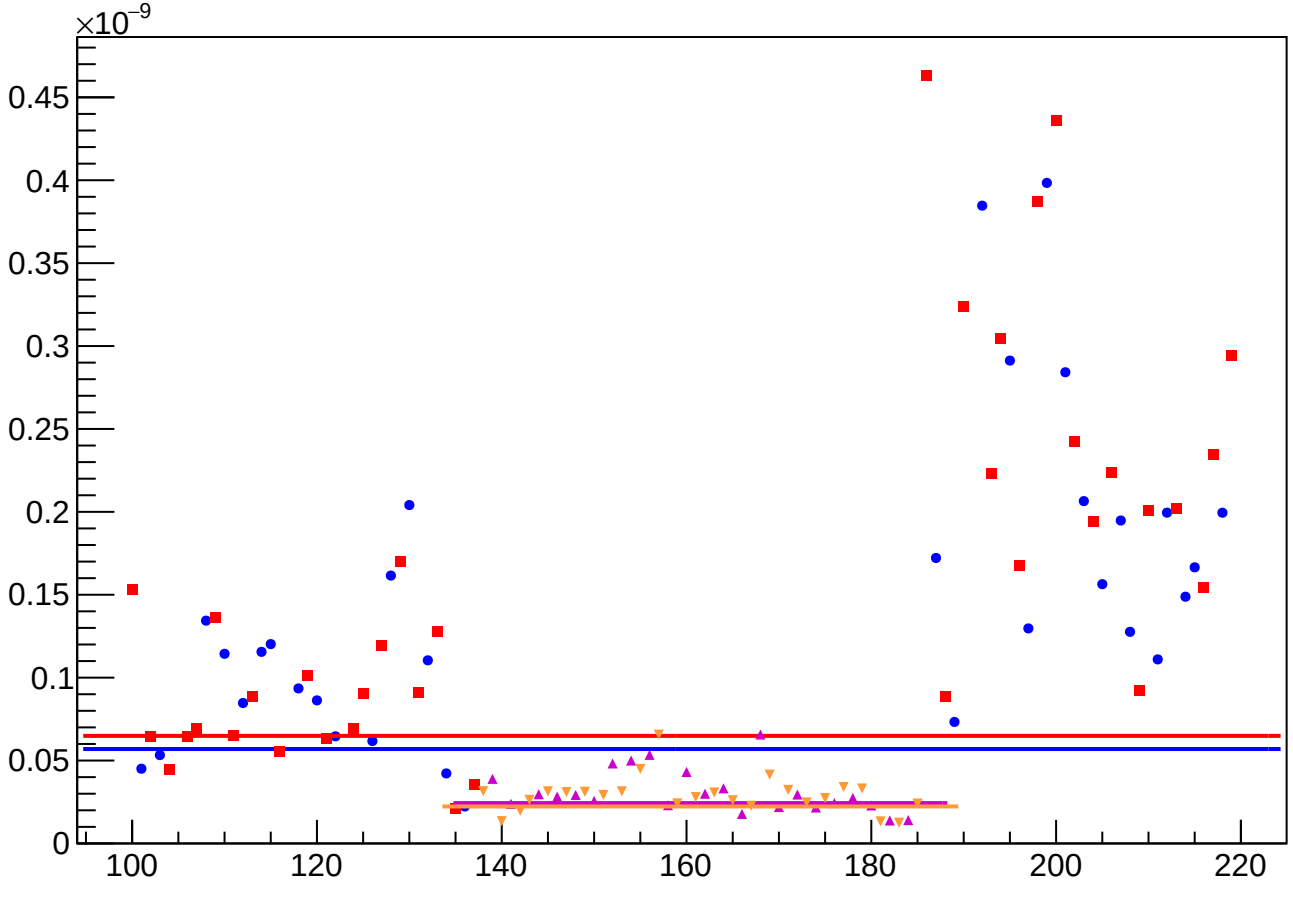
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 91.8/67

In: -0.000+/-0.000 χ^2/NDF:63.1/54

Out: 0.000+/-0.000 χ^2/NDF:80.5/60

All: 0.000+/-0.000 χ^2/NDF: 146.0/115



Right In: 0.000+/-0.000 χ^2/NDF: 10846638.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10746401.8/35

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

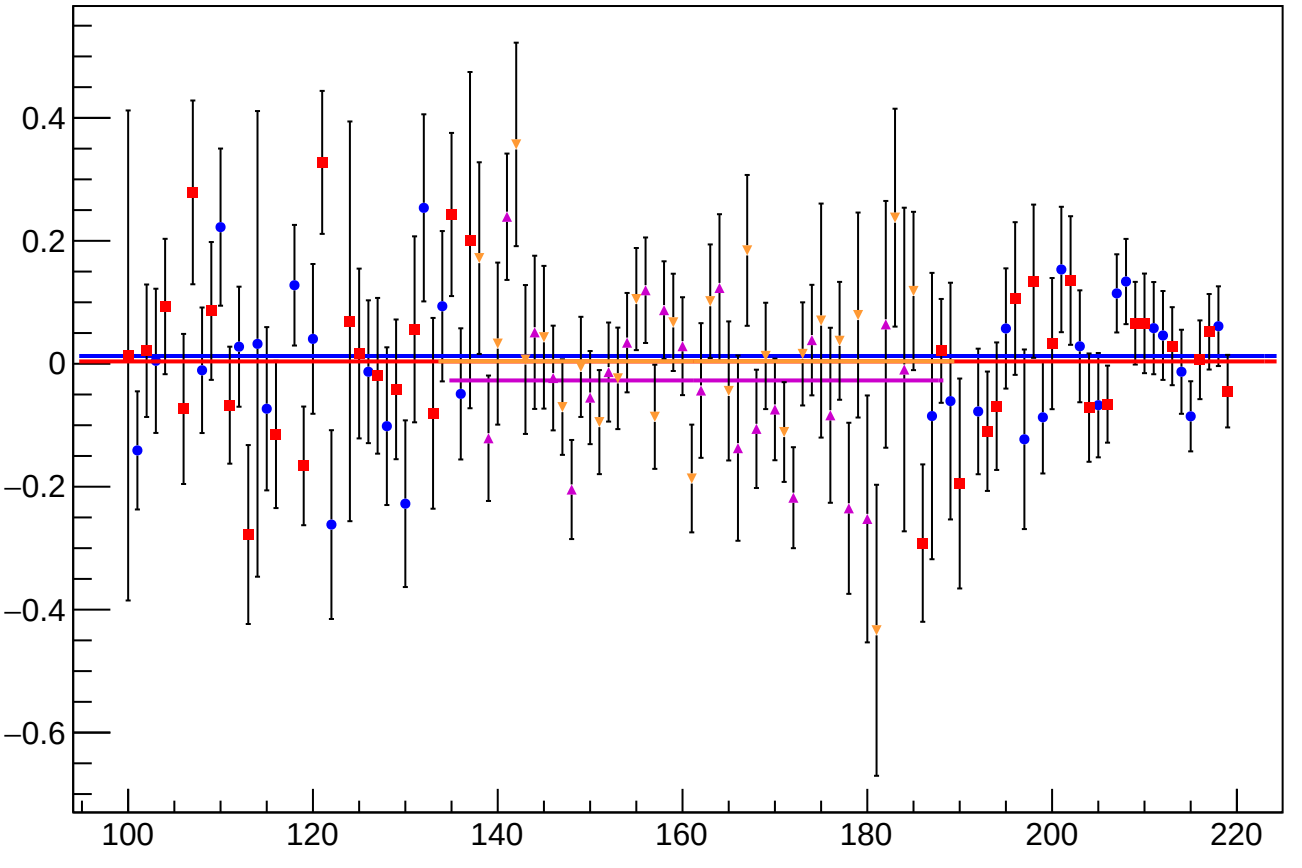
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 21703416.1/67

In: 0.000+/-0.000 χ^2/NDF:17689739.3/54

Out: 0.000+/-0.000 χ^2/NDF:19767206.4/60

All: 0.000+/-0.000 χ^2/NDF: 37564040.2/115



Right In: 0.013+/-0.017 χ^2/NDF: 33.7/31

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.004+/-0.016 χ^2/NDF: 42.4/35

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

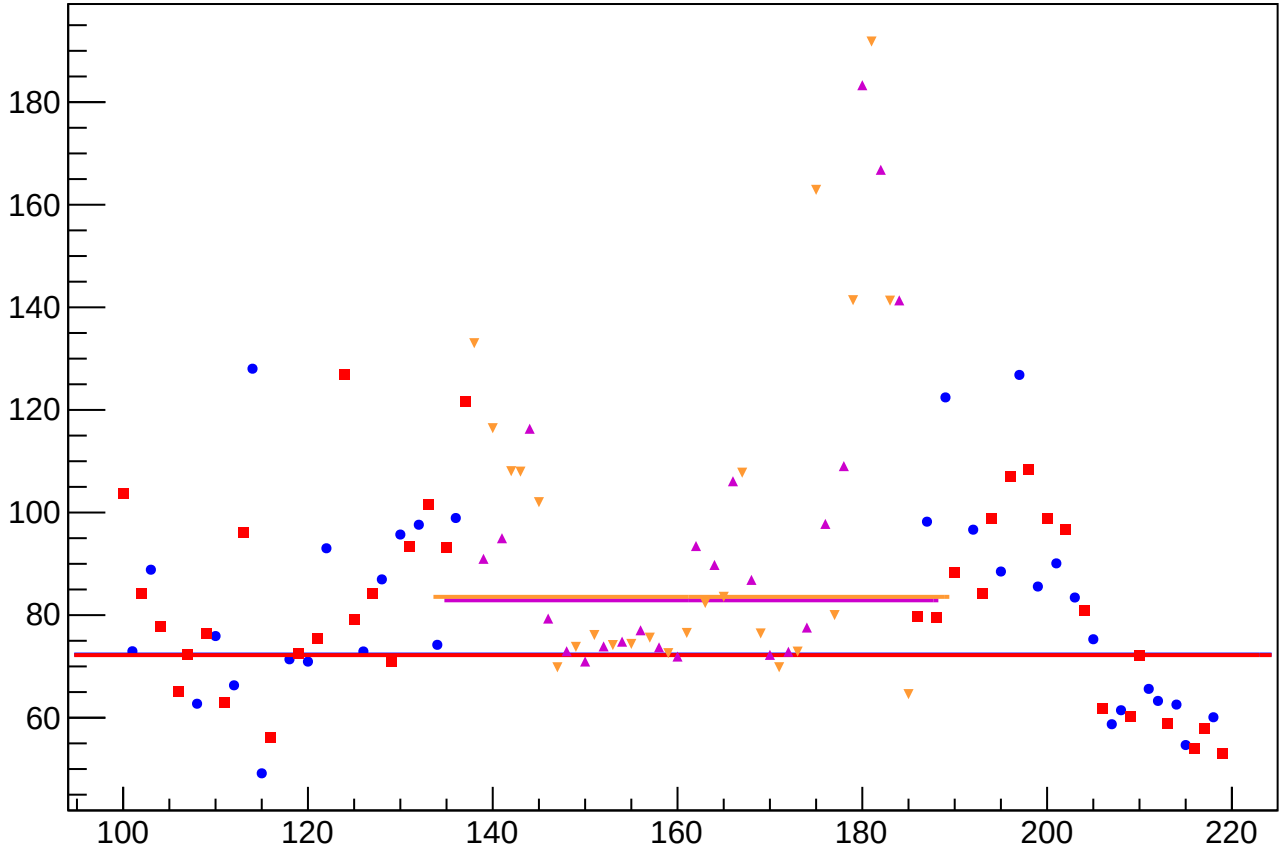
Right: 0.008+/-0.012 χ^2/NDF: 76.2/67

In: -0.004+/-0.013 χ^2/NDF:67.8/54

Out: 0.004+/-0.013 χ^2/NDF:70.6/60

All: 0.000+/-0.009 χ^2/NDF: 138.6/115

asym_usr_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 72.311+/-0.012 χ^2/NDF: 1705937.2/31

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 72.205+/-0.012 χ^2/NDF: 1936640.9/35

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

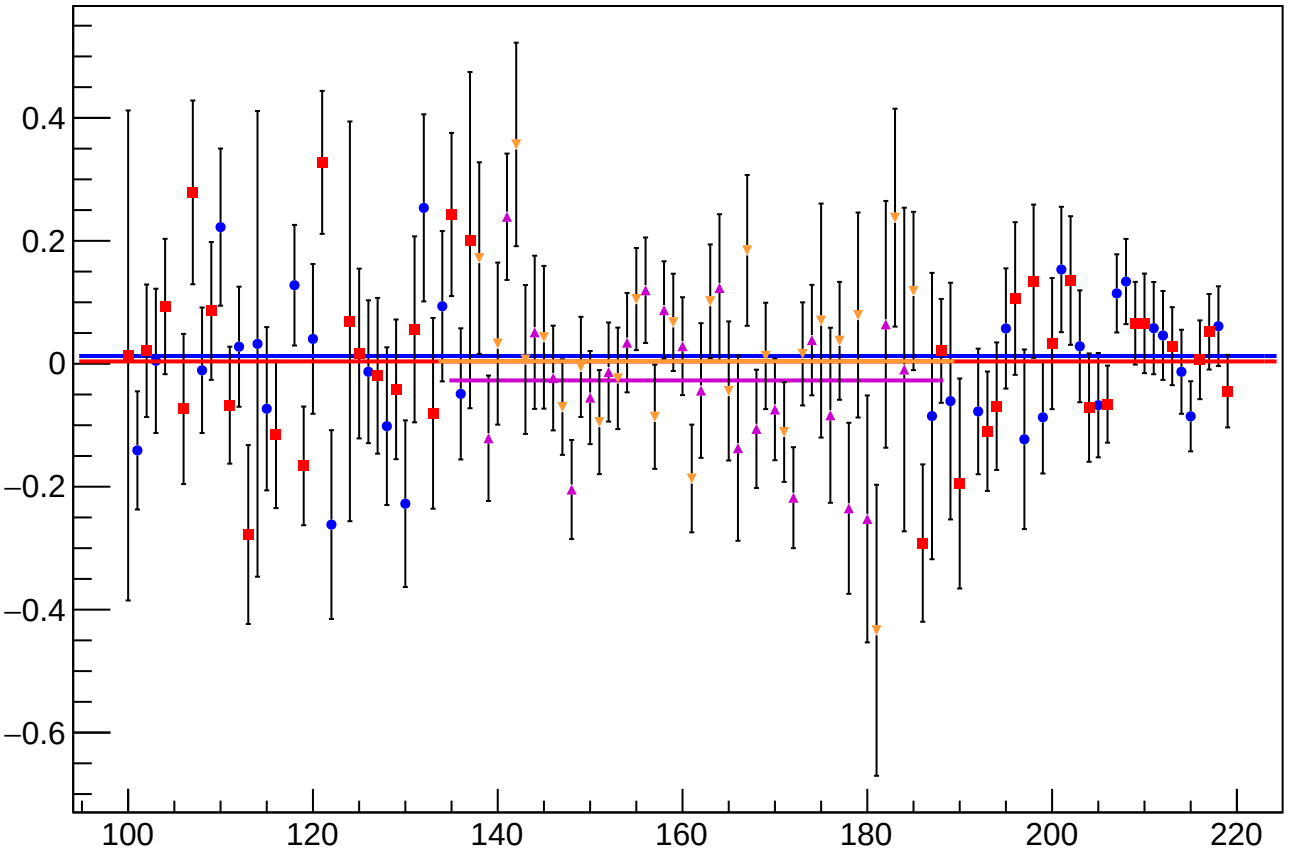
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 72.257+/-0.008 χ^2/NDF: 3642618.1/67

In: 76.611+/-0.009 χ^2/NDF:3593600.4/54

Out: 76.722+/-0.009 χ^2/NDF:4486683.4/60

All: 76.668+/-0.006 χ^2/NDF: 8080356.8/115



Right In: 0.013+/-0.017 χ^2/NDF: 33.7/31

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.004+/-0.016 χ^2/NDF: 42.4/35

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

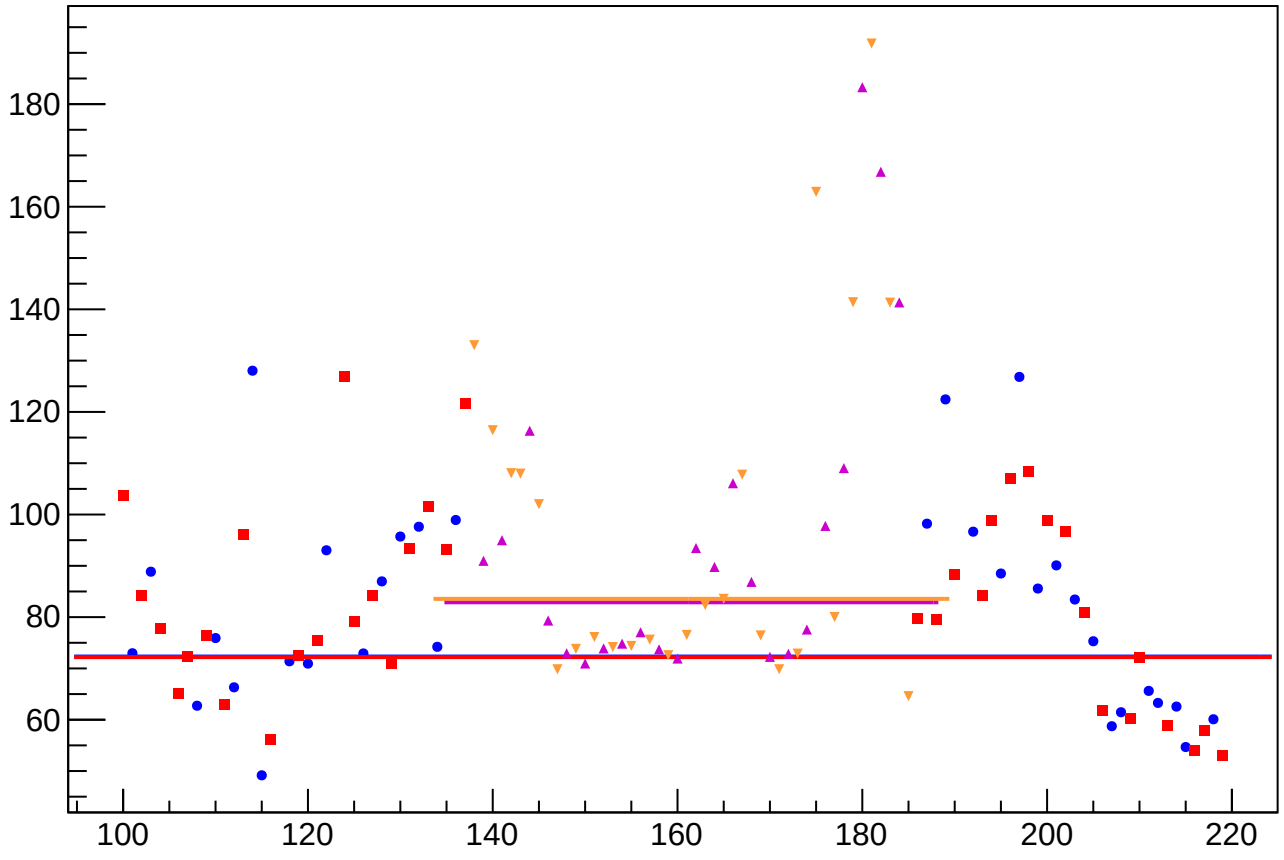
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.008+/-0.012 χ^2/NDF: 76.2/67

In: -0.004+/-0.013 χ^2/NDF:67.8/54

Out: 0.004+/-0.013 χ^2/NDF:70.6/60

All: 0.000+/-0.009 χ^2/NDF: 138.6/115



Right In: 72.311+/-0.012 χ^2/NDF: 1705937.2/31

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 72.205+/-0.012 χ^2/NDF: 1936640.9/35

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

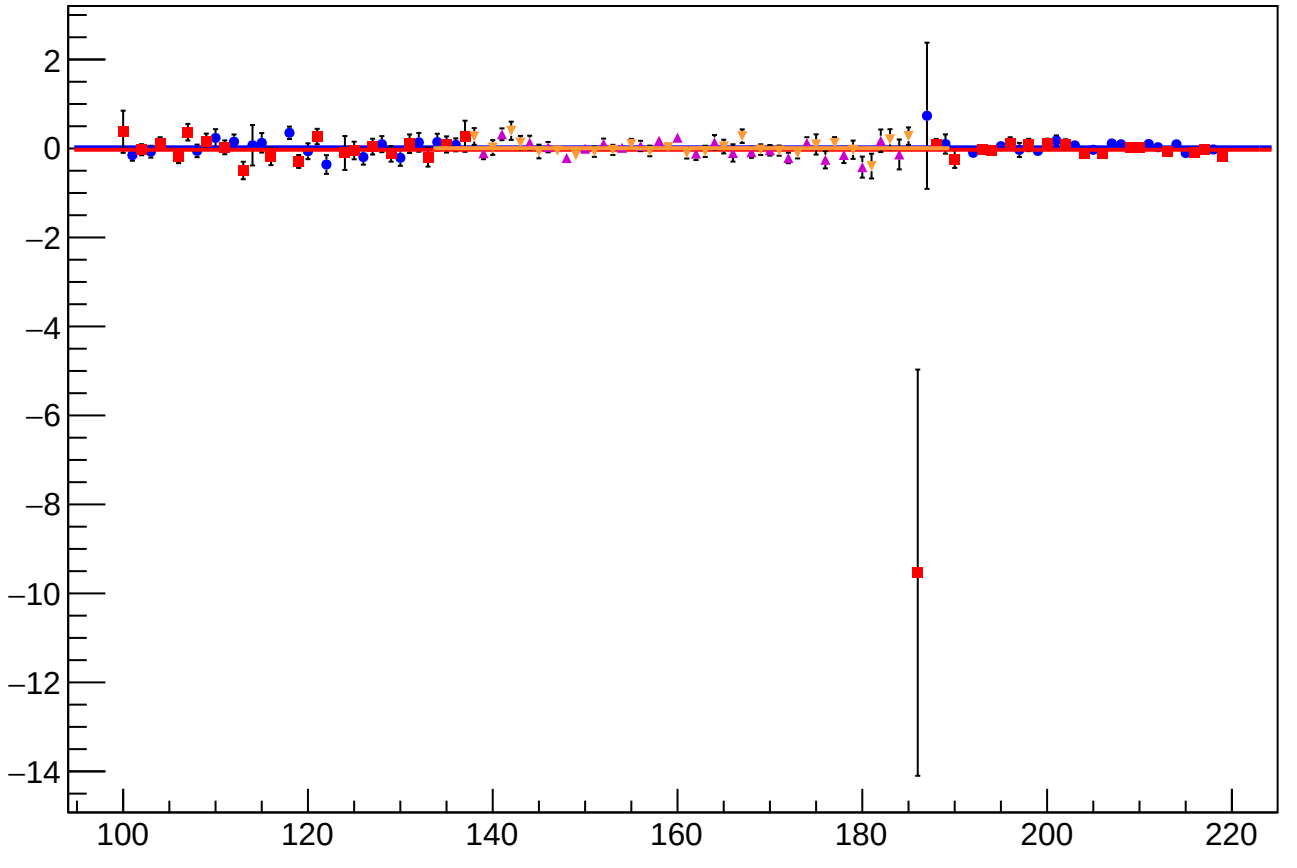
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 72.257+/-0.008 χ^2/NDF: 3642618.1/67

In: 76.611+/-0.009 χ^2/NDF:3593600.4/54

Out: 76.722+/-0.009 χ^2/NDF:4486683.4/60

All: 76.668+/-0.006 χ^2/NDF: 8080356.8/115



Right In: 0.026+/-0.022 χ^2/NDF: 28.3/31

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.028+/-0.022 χ^2/NDF: 40.4/35

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

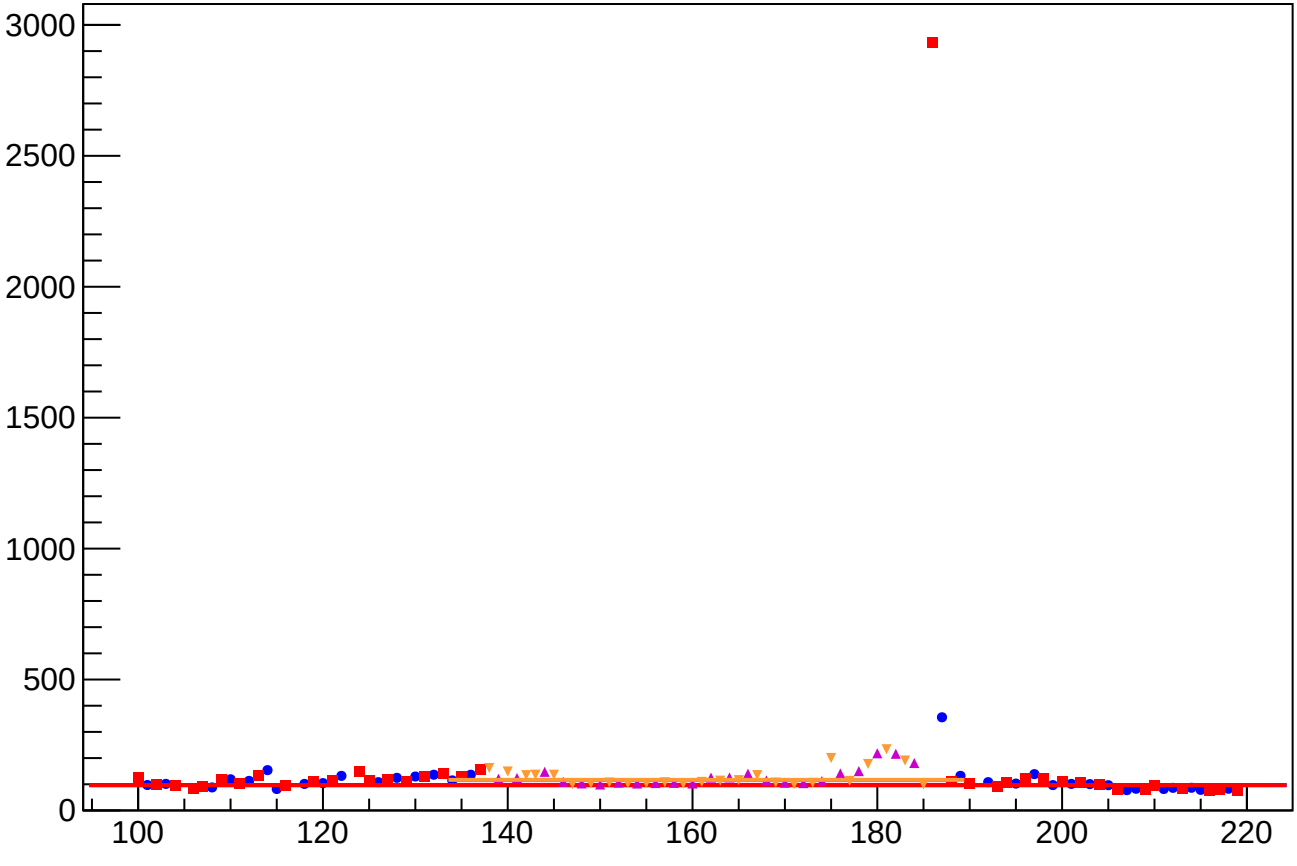
Right: -0.002+/-0.016 χ^2/NDF: 71.8/67

In: 0.020+/-0.018 χ^2/NDF:59.8/54

Out: -0.015+/-0.017 χ^2/NDF:62.7/60

All: 0.002+/-0.012 χ^2/NDF: 124.5/115

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 96.507+/-0.016 χ^2/NDF: 1186990.7/31

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 96.907+/-0.016 χ^2/NDF: 1995229.1/35

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

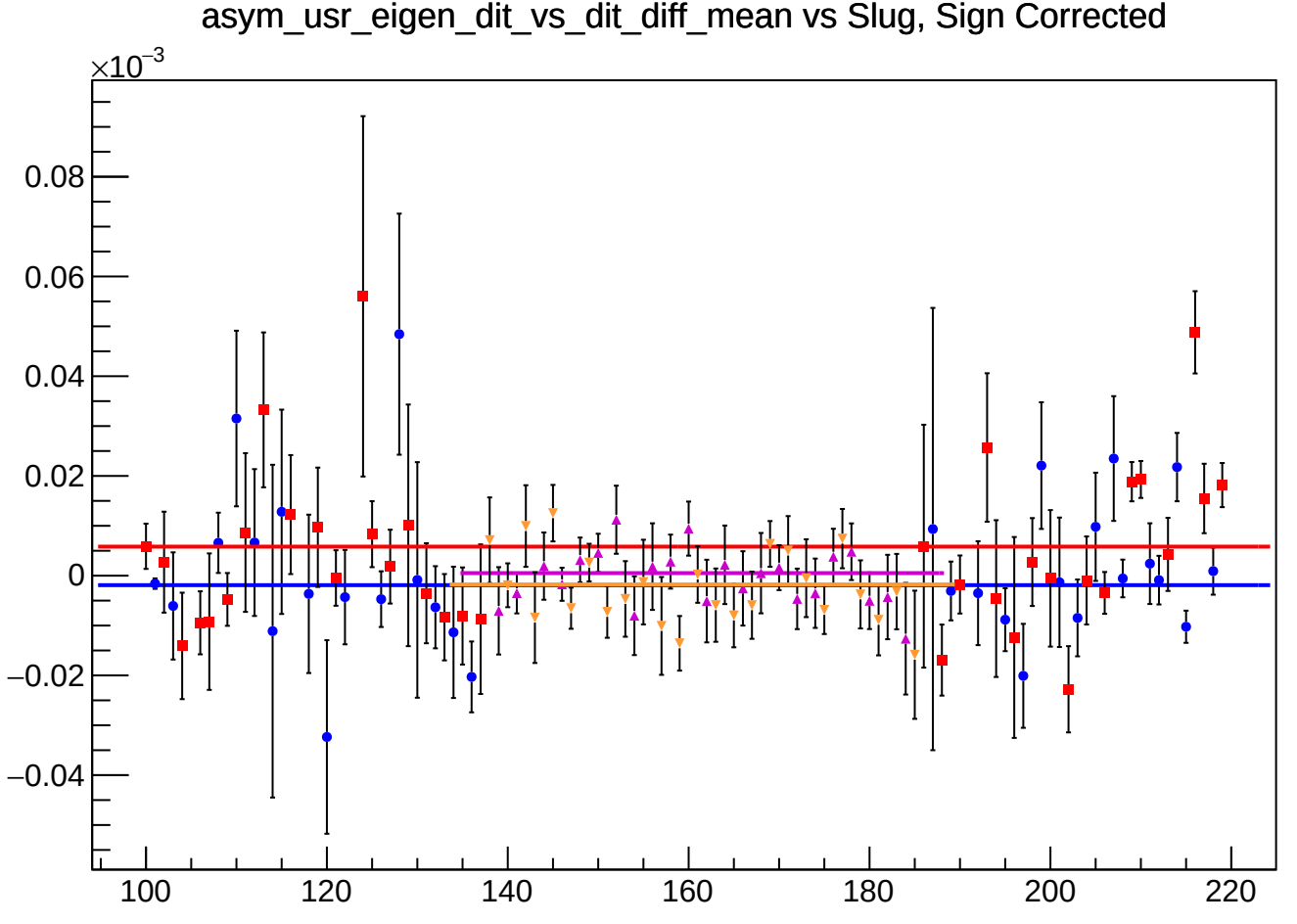
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 96.711+/-0.011 χ^2/NDF: 3182545.2/67

In: 103.991+/-0.012 χ^2/NDF:2997340.7/54

Out: 104.579+/-0.012 χ^2/NDF:4229672.0/60

All: 104.291+/-0.009 χ^2/NDF: 7228160.9/115



Right In: -0.000+/-0.000 χ^2/NDF: 54.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 121.1/35

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

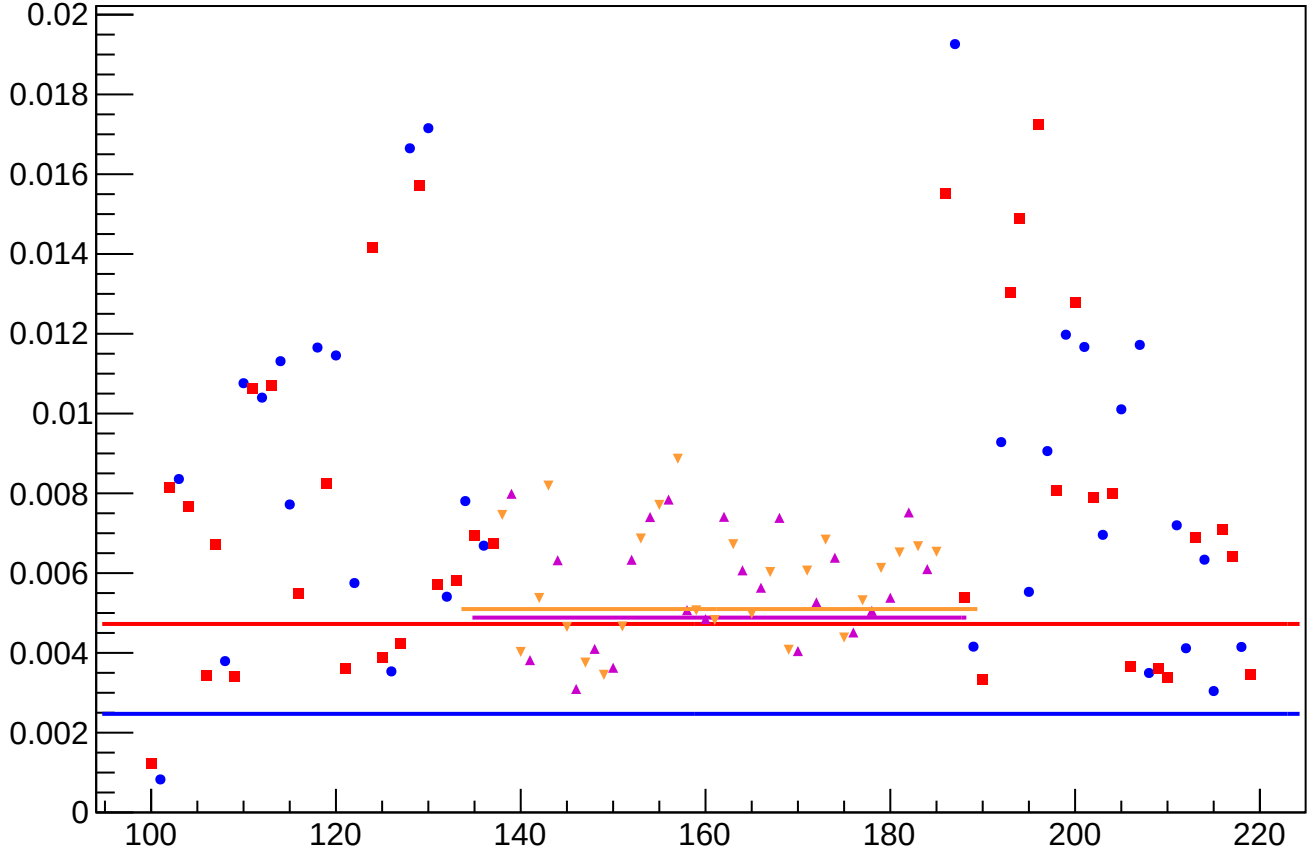
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: 0.000+/-0.000 χ^2/NDF: 203.4/67

In: -0.000+/-0.000 χ^2/NDF:73.1/54

Out: 0.000+/-0.000 χ^2/NDF:171.7/60

All: 0.000+/-0.000 χ^2/NDF: 253.0/115



Right In: 0.002+/-0.000 χ^2/NDF: 20565963.0/31

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8896548.1/35

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

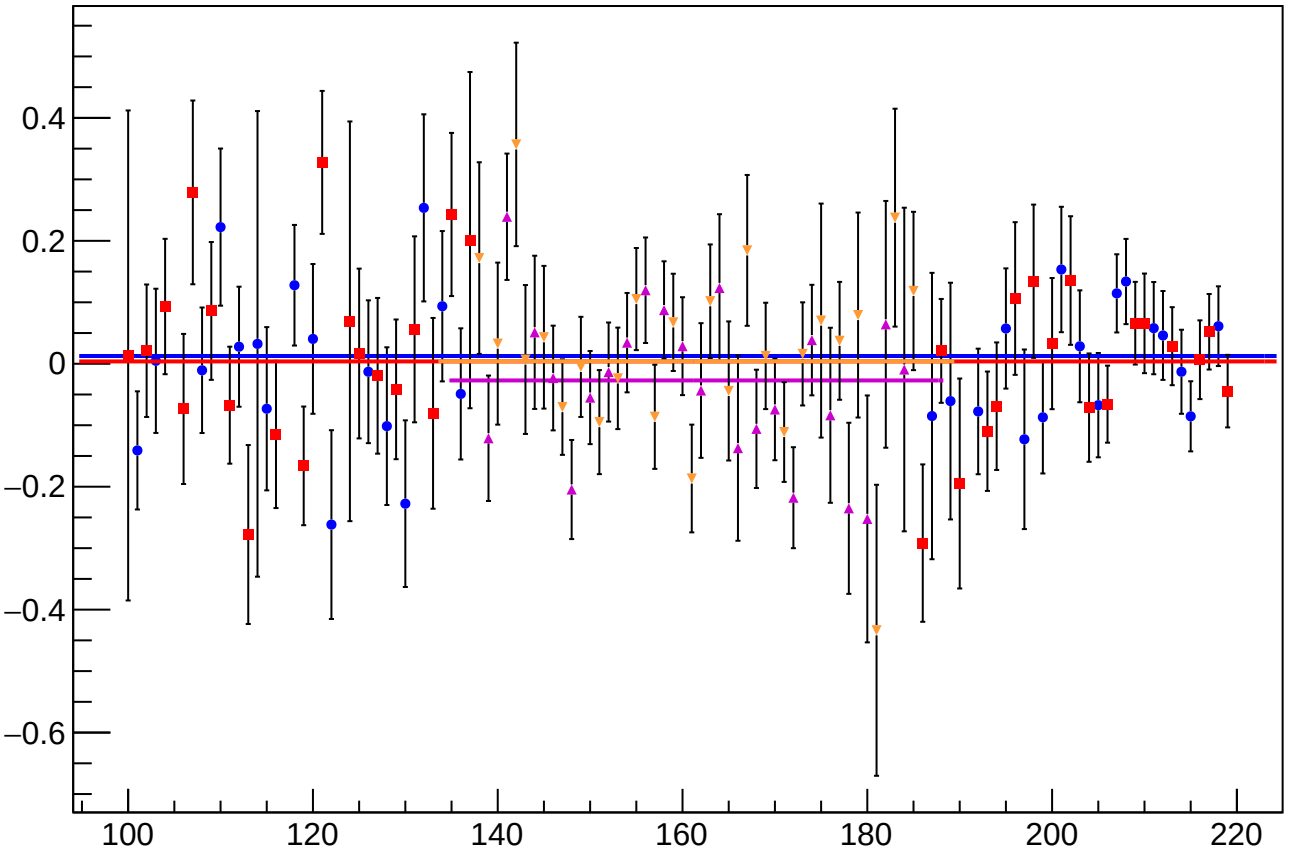
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 34154918.9/67

In: 0.003+/-0.000 χ^2/NDF:28804230.4/54

Out: 0.005+/-0.000 χ^2/NDF:11369753.6/60

All: 0.004+/-0.000 χ^2/NDF: 44769155.2/115



Right In: 0.013+/-0.017 χ^2/NDF: 33.7/31

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.004+/-0.016 χ^2/NDF: 42.4/35

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

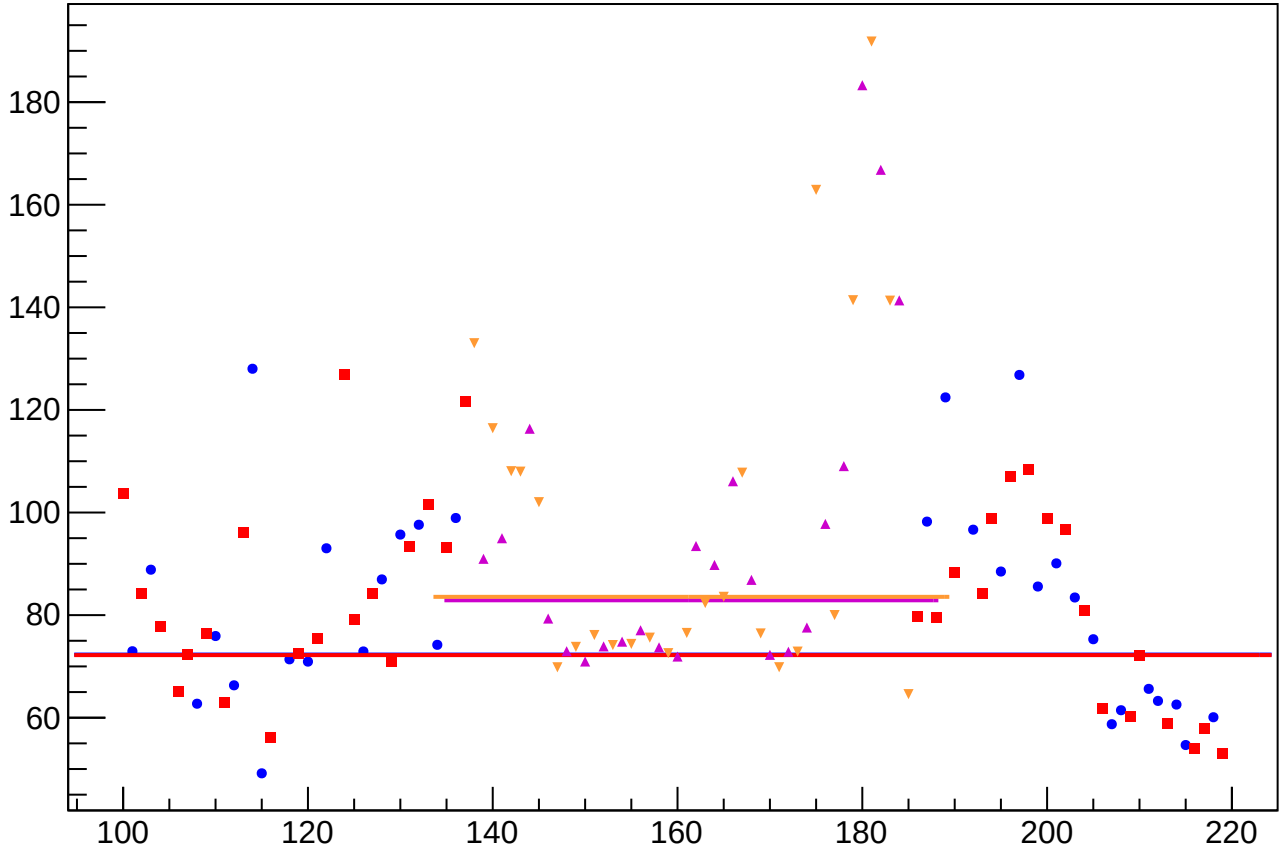
Right: 0.008+/-0.012 χ^2/NDF: 76.2/67

In: -0.004+/-0.013 χ^2/NDF:67.8/54

Out: 0.004+/-0.013 χ^2/NDF:70.6/60

All: 0.000+/-0.009 χ^2/NDF: 138.6/115

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 72.312+/-0.012 χ^2/NDF: 1705799.2/31

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 72.205+/-0.012 χ^2/NDF: 1936579.9/35

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

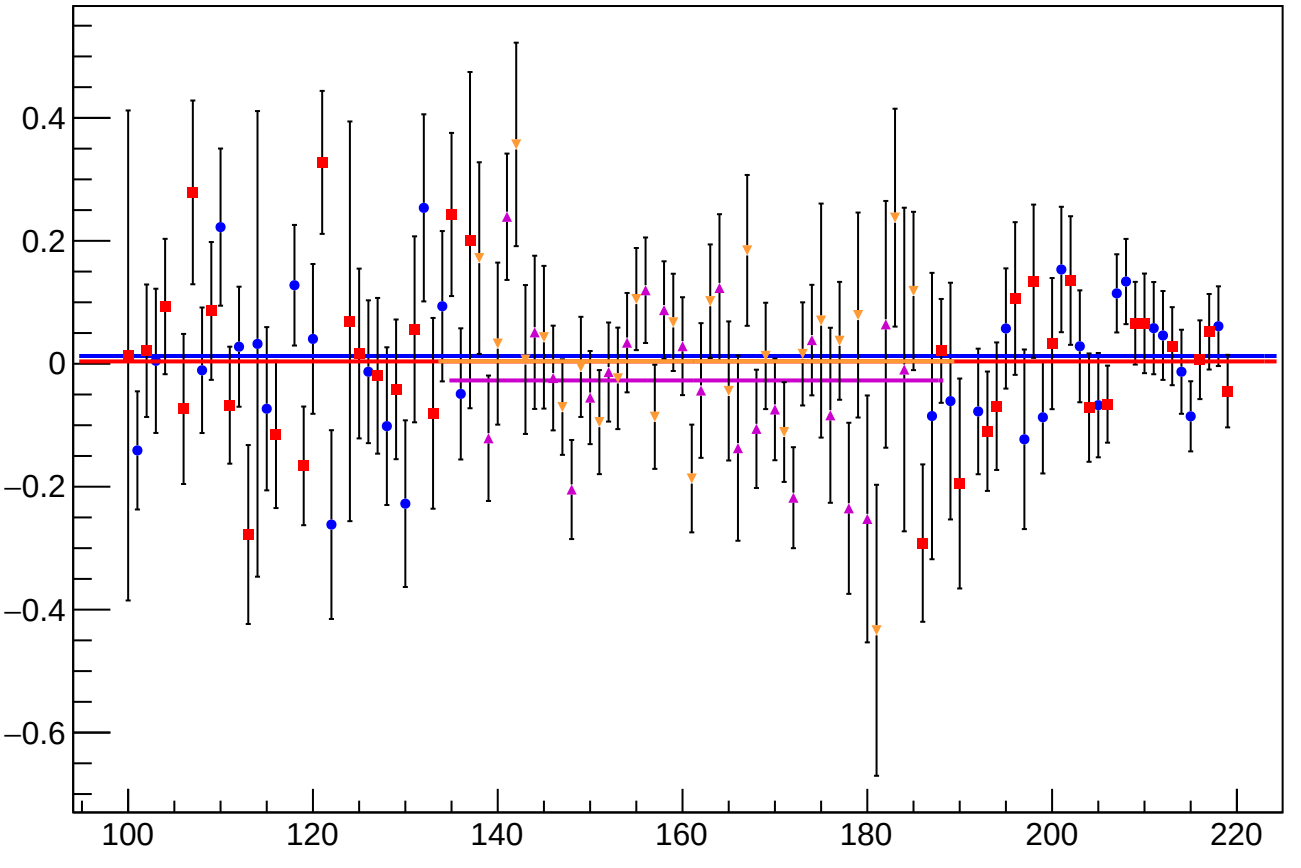
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 72.257+/-0.008 χ^2/NDF: 3642419.8/67

In: 76.612+/-0.009 χ^2/NDF:3593435.5/54

Out: 76.722+/-0.009 χ^2/NDF:4486688.8/60

All: 76.668+/-0.006 χ^2/NDF: 8080196.6/115



Right In: 0.013+/-0.017 χ^2/NDF: 33.7/31

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.004+/-0.016 χ^2/NDF: 42.4/35

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

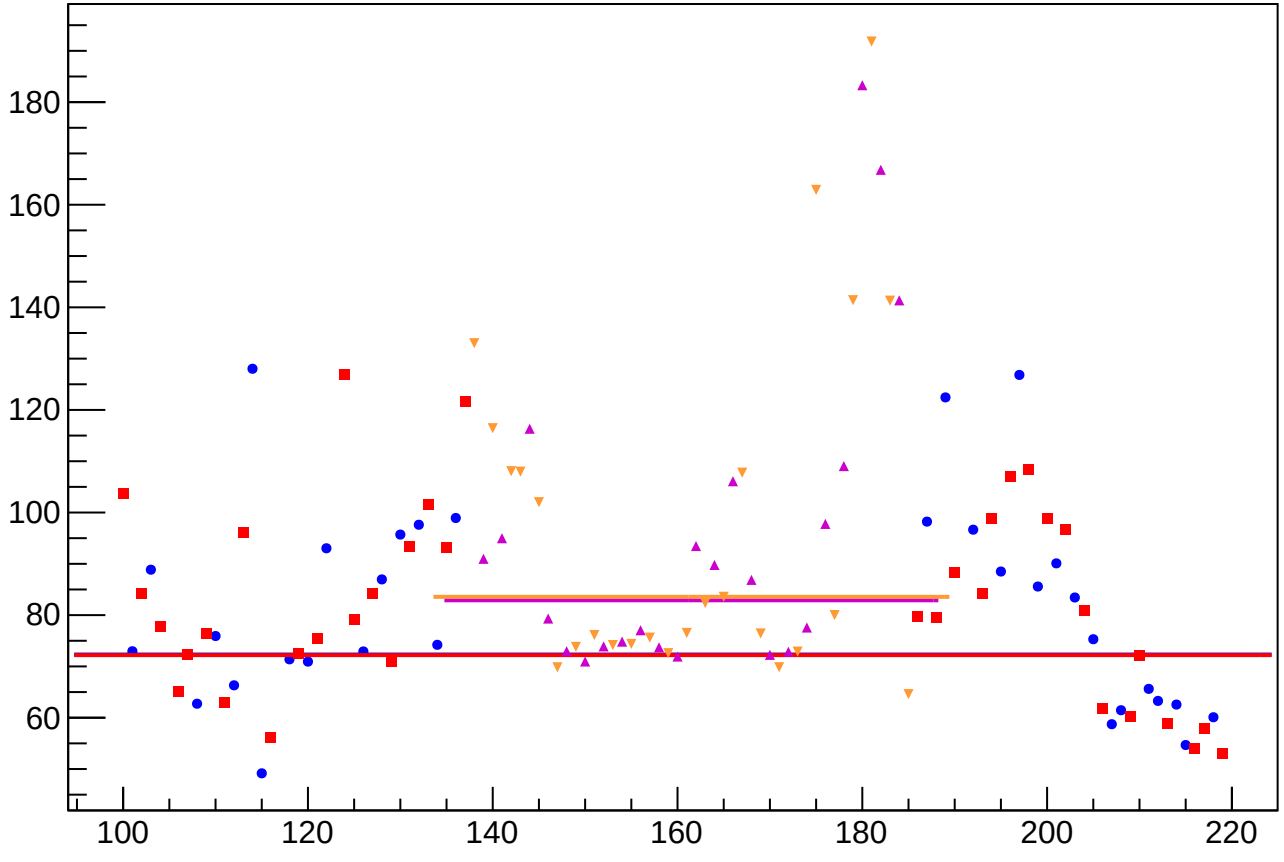
Right: 0.008+/-0.012 χ^2/NDF: 76.2/67

In: -0.004+/-0.013 χ^2/NDF:67.8/54

Out: 0.004+/-0.013 χ^2/NDF:70.6/60

All: 0.000+/-0.009 χ^2/NDF: 138.6/115

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 72.312+/-0.012 χ^2/NDF: 1705799.2/31

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 72.205+/-0.012 χ^2/NDF: 1936579.9/35

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

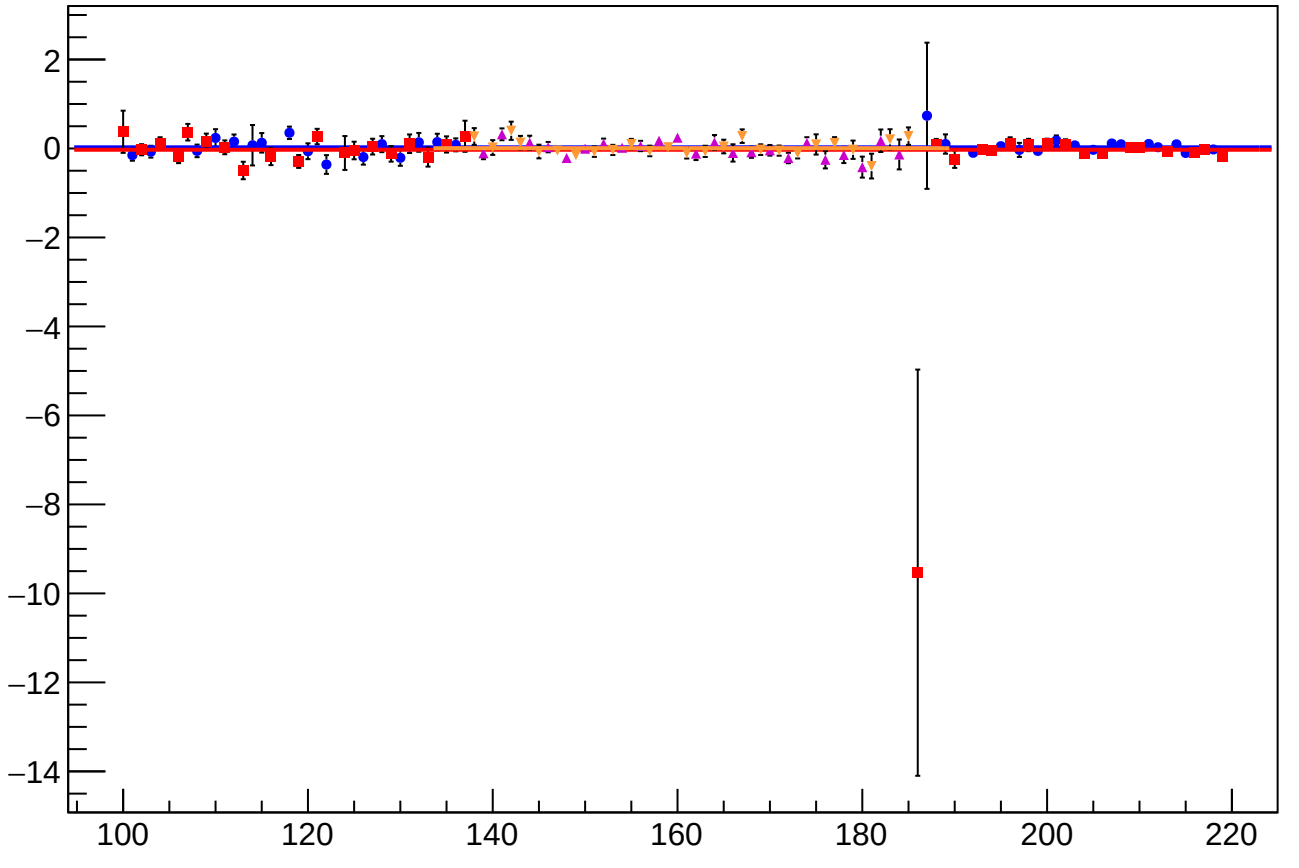
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 72.257+/-0.008 χ^2/NDF: 3642419.8/67

In: 76.612+/-0.009 χ^2/NDF:3593435.5/54

Out: 76.722+/-0.009 χ^2/NDF:4486688.8/60

All: 76.668+/-0.006 χ^2/NDF: 8080196.6/115



Right In: 0.026+/-0.022 χ^2/NDF: 28.3/31

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.028+/-0.022 χ^2/NDF: 40.4/35

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

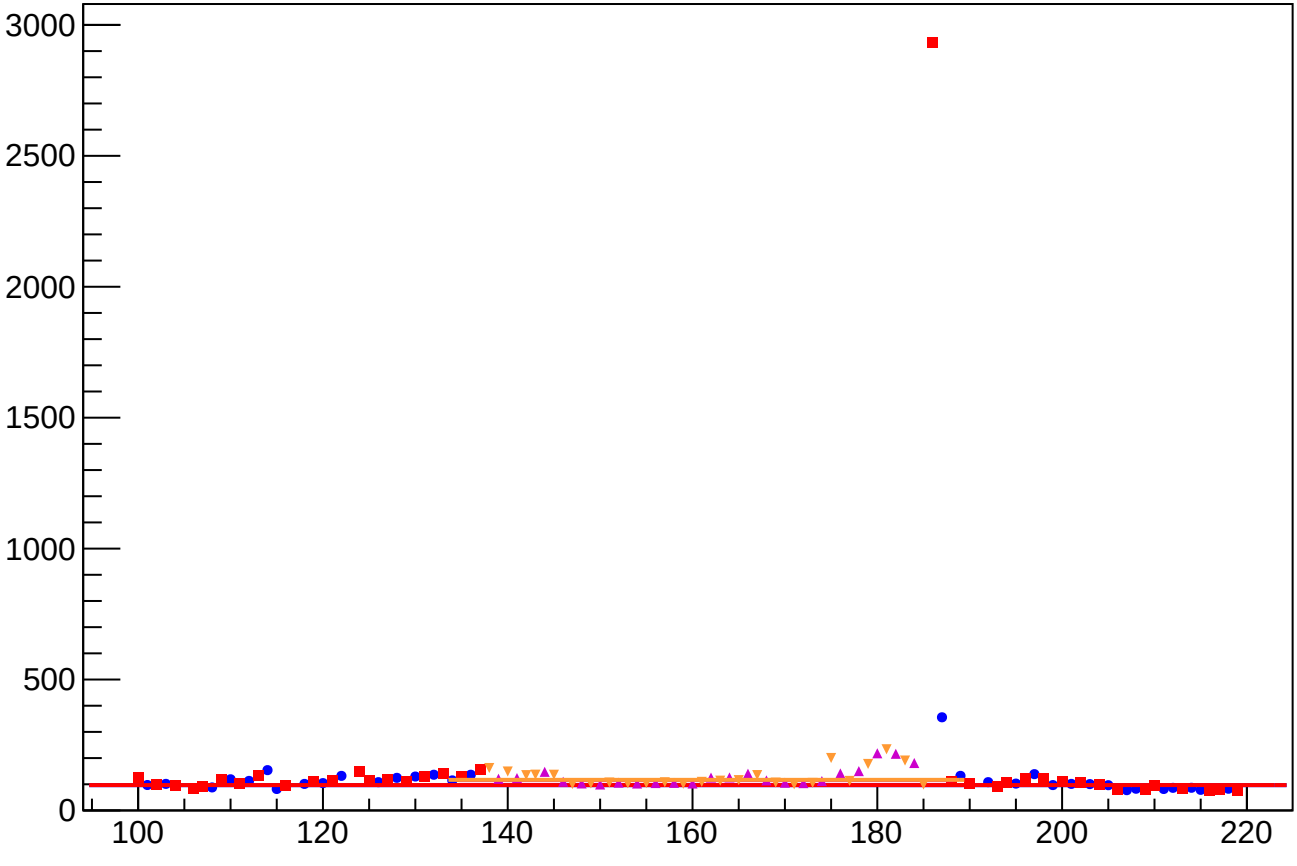
Right: -0.002+/-0.016 χ^2/NDF: 71.8/67

In: 0.020+/-0.018 χ^2/NDF:59.8/54

Out: -0.015+/-0.017 χ^2/NDF:62.7/60

All: 0.002+/-0.012 χ^2/NDF: 124.5/115

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 96.508+/-0.016 χ^2/NDF: 1186864.5/31

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 96.907+/-0.016 χ^2/NDF: 1995170.3/35

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

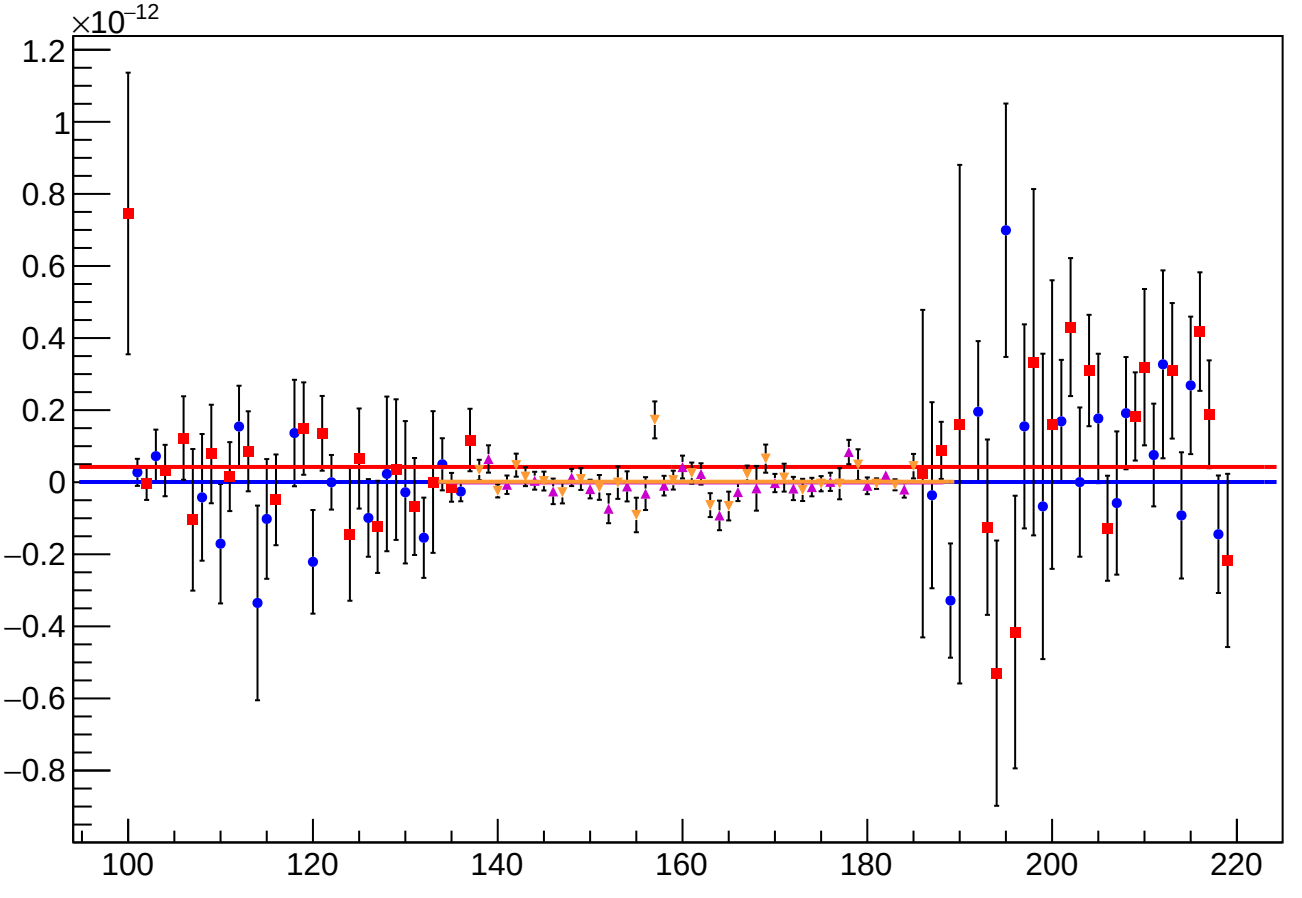
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 96.711+/-0.011 χ^2/NDF: 3182359.0/67

In: 103.992+/-0.012 χ^2/NDF:2997192.9/54

Out: 104.579+/-0.012 χ^2/NDF:4229651.5/60

All: 104.291+/-0.009 χ^2/NDF: 7227990.9/115



Right In: 0.000+/-0.000 χ^2/NDF: 31.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.7/35

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

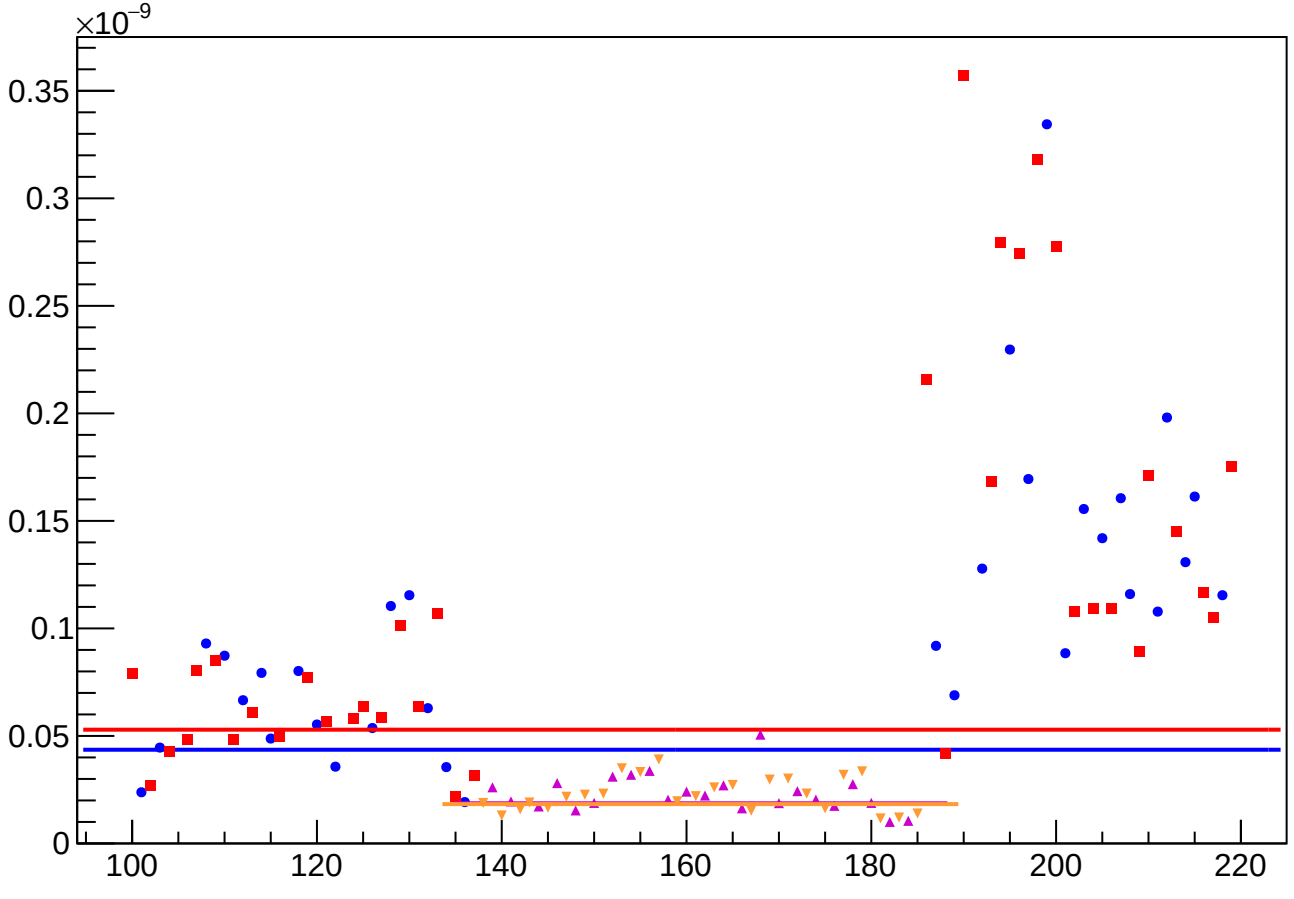
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 74.2/67

In: -0.000+/-0.000 χ^2/NDF:58.5/54

Out: 0.000+/-0.000 χ^2/NDF:80.6/60

All: 0.000+/-0.000 χ^2/NDF: 139.6/115



Right In: 0.000+/-0.000 χ^2/NDF: 10882053.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9411825.8/35

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

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

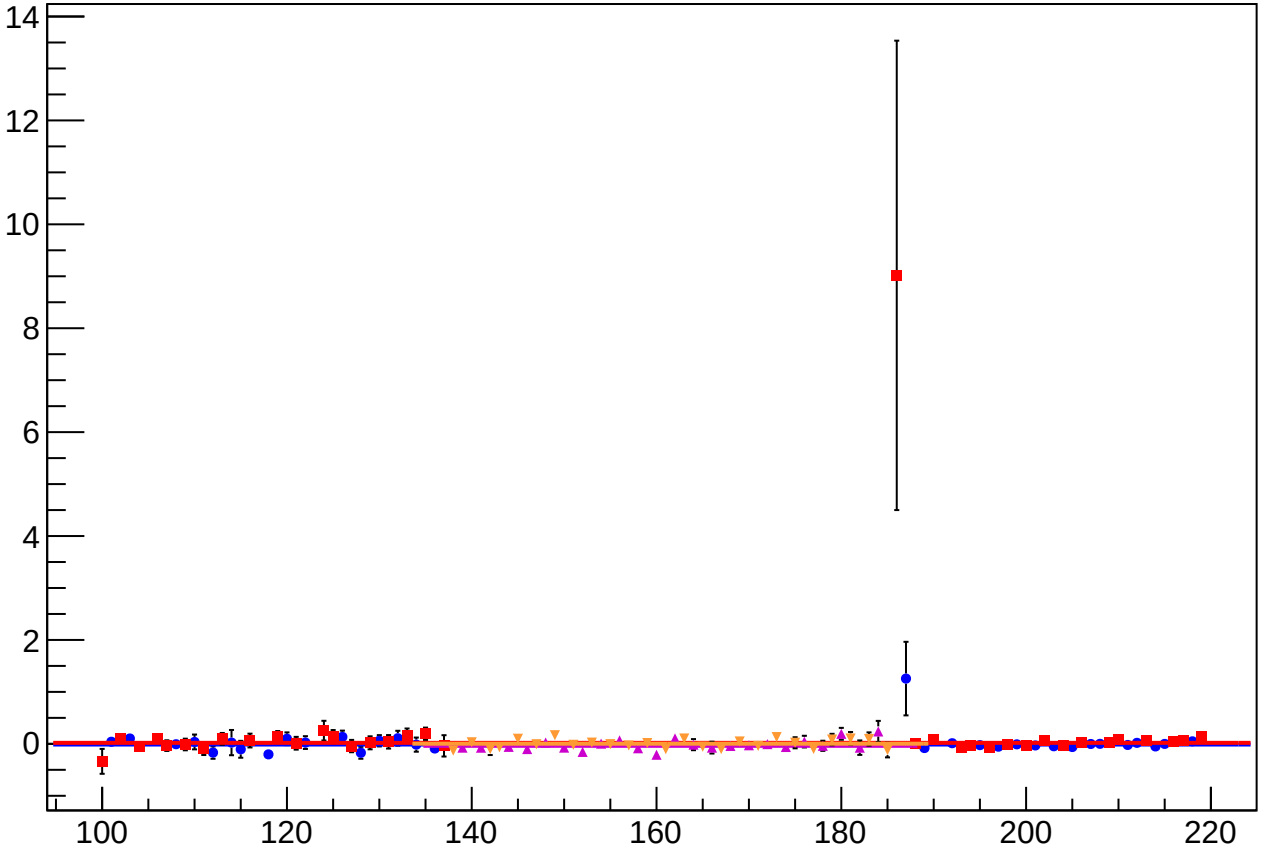
Right: 0.000+/-0.000 χ^2/NDF: 20564672.7/67

In: 0.000+/-0.000 χ^2/NDF:17732983.3/54

Out: 0.000+/-0.000 χ^2/NDF:18602891.8/60

All: 0.000+/-0.000 χ^2/NDF: 36339137.4/115

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.012 χ^2/NDF: 26.2/31

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.019+/-0.011 χ^2/NDF: 47.4/35

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

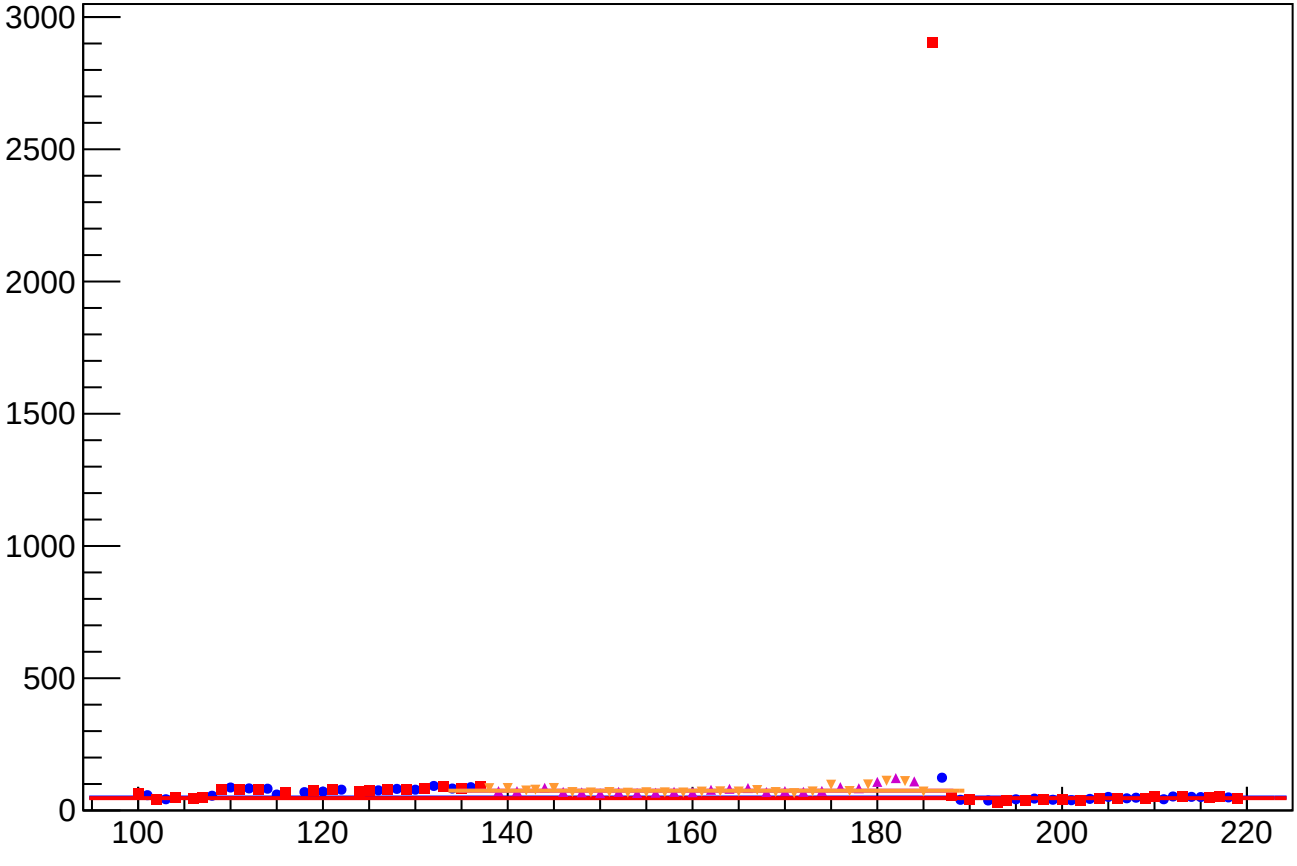
Right: 0.004+/-0.008 χ^2/NDF: 77.8/67

In: -0.021+/-0.010 χ^2/NDF:49.2/54

Out: 0.015+/-0.009 χ^2/NDF:69.6/60

All: -0.002+/-0.007 χ^2/NDF: 125.7/115

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.955+/-0.008 χ^2/NDF: 2299331.2/31

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 46.500+/-0.008 χ^2/NDF: 3693038.6/35

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

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

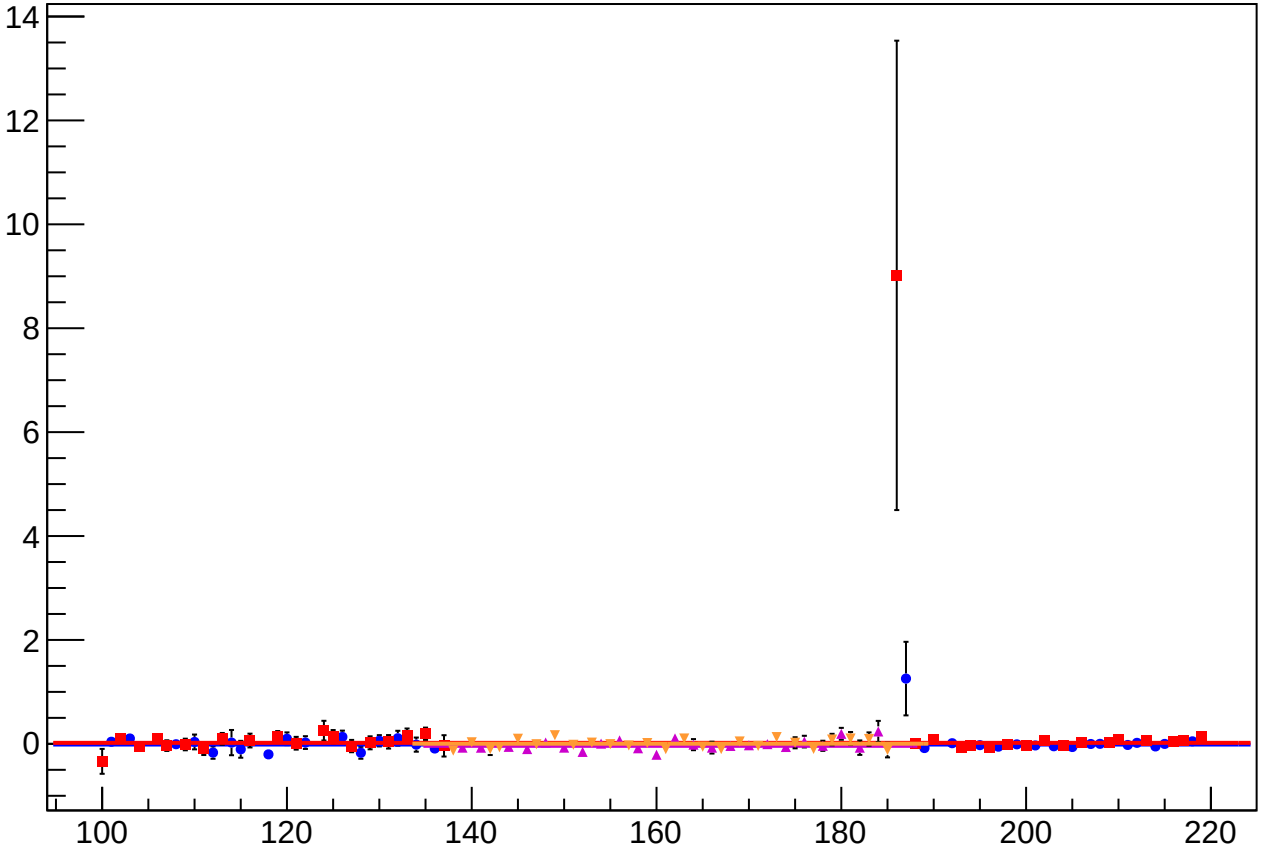
Right: 47.657+/-0.006 χ^2/NDF: 6040036.9/67

In: 56.522+/-0.007 χ^2/NDF:5915067.0/54

Out: 54.463+/-0.007 χ^2/NDF:8211785.7/60

All: 55.442+/-0.005 χ^2/NDF: 14173996.6/115

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.012 χ^2/NDF: 26.2/31

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.019+/-0.011 χ^2/NDF: 47.4/35

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

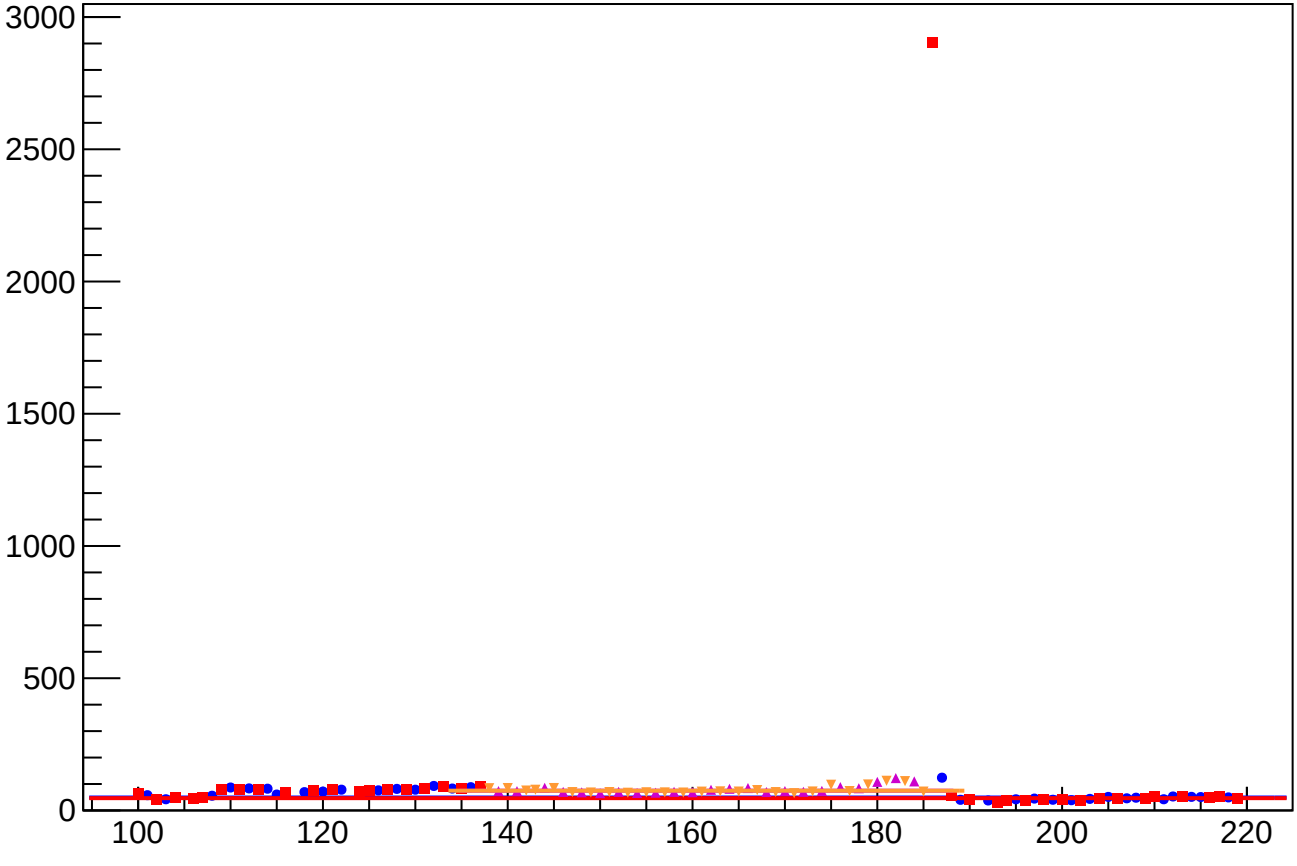
Right: 0.004+/-0.008 χ^2/NDF: 77.8/67

In: -0.021+/-0.010 χ^2/NDF:49.2/54

Out: 0.015+/-0.009 χ^2/NDF:69.6/60

All: -0.002+/-0.007 χ^2/NDF: 125.7/115

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.955+/-0.008 χ^2/NDF: 2299331.2/31

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 46.500+/-0.008 χ^2/NDF: 3693038.6/35

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

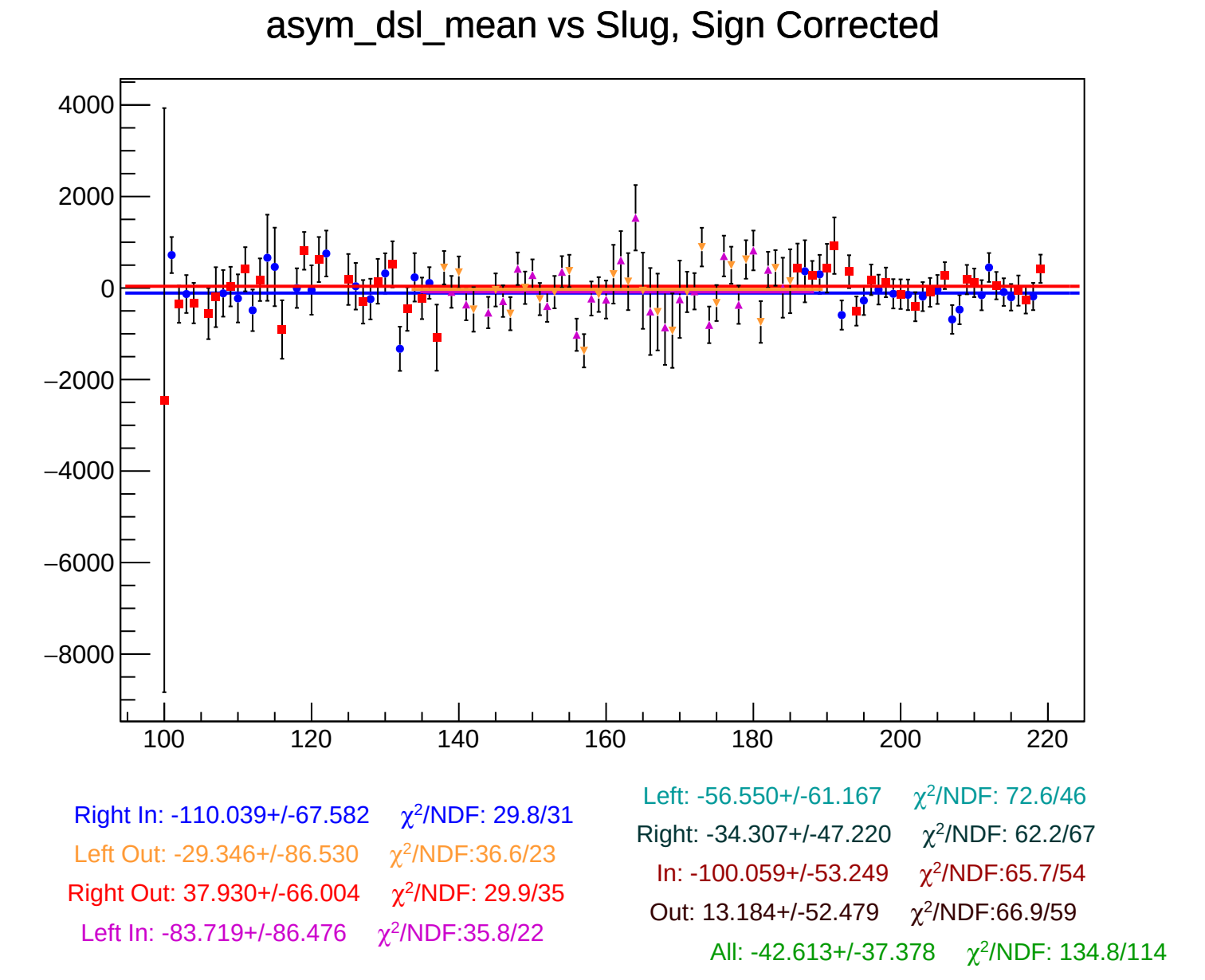
Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

Right: 47.657+/-0.006 χ^2/NDF: 6040036.9/67

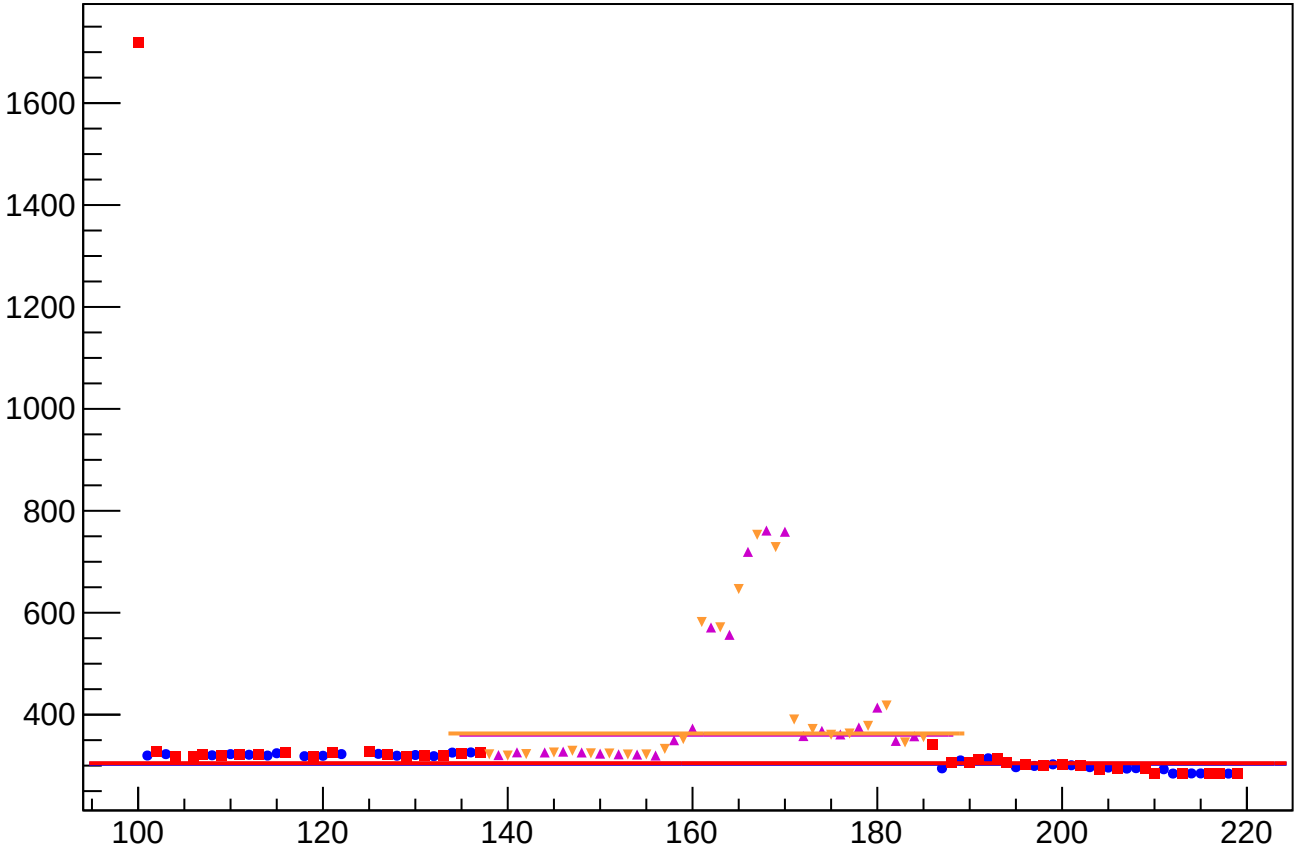
In: 56.522+/-0.007 χ^2/NDF:5915067.0/54

Out: 54.463+/-0.007 χ^2/NDF:8211785.7/60

All: 55.442+/-0.005 χ^2/NDF: 14173996.6/115


asym_dsl_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
220
Right In: -110.039+/-67.582 χ²/NDF: 29.8/31
Left Out: -29.346+/-86.530 χ²/NDF:36.6/23
Right Out: 37.930+/-66.004 χ²/NDF: 29.9/35
Left In: -83.719+/-86.476 χ²/NDF:35.8/22
Left: -56.550+/-61.167 χ²/NDF: 72.6/46
Right: -34.307+/-47.220 χ²/NDF: 62.2/67
In: -100.059+/-53.249 χ²/NDF:65.7/54
Out: 13.184+/-52.479 χ²/NDF:66.9/59
All: -42.613+/-37.378 χ²/NDF: 134.8/114

asym_dsl_rms vs Slug, Sign Corrected



Right In: 303.527+/-0.048 χ^2/NDF: 90111.1/31

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 304.738+/-0.047 χ^2/NDF: 203334.0/35

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

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

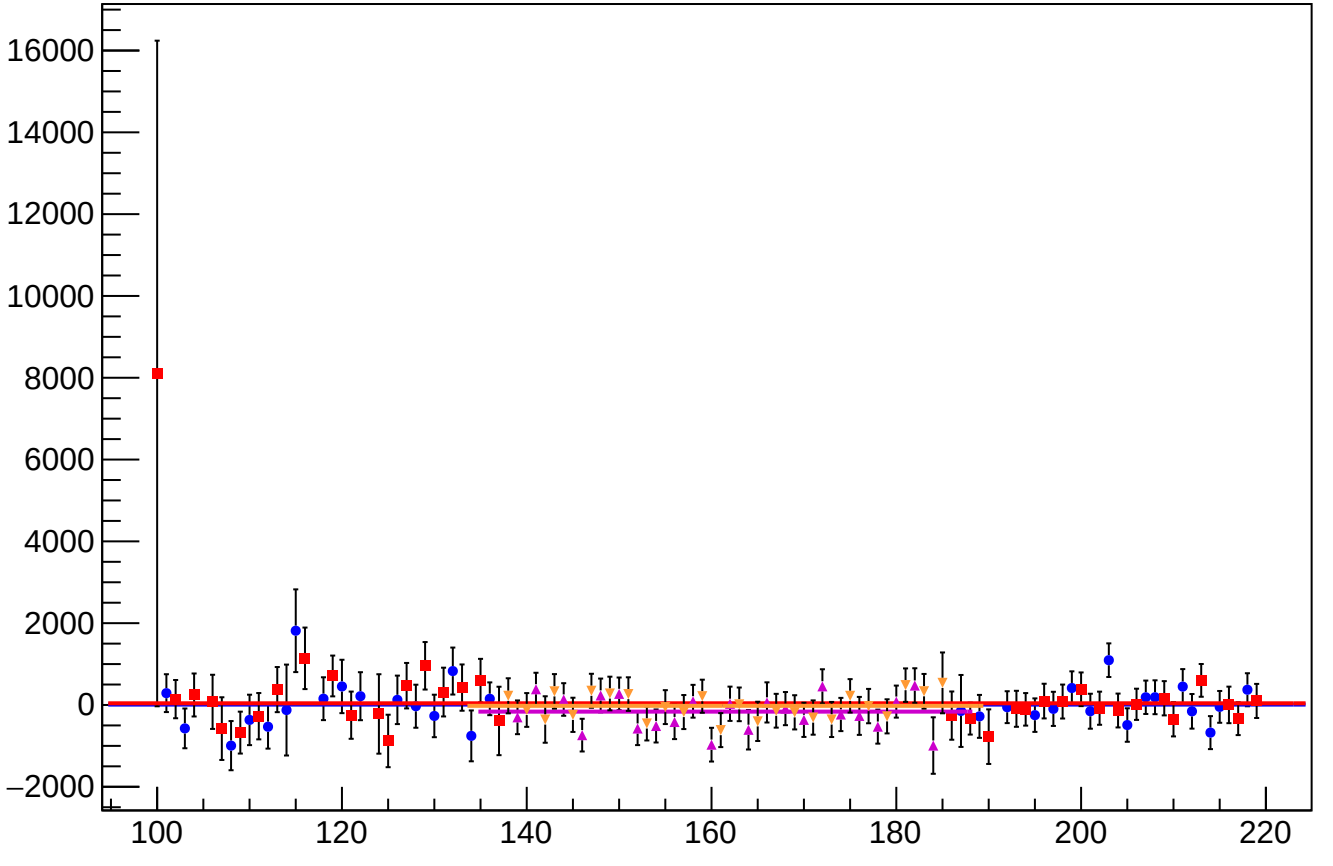
Right: 304.147+/-0.033 χ^2/NDF: 293773.6/67

In: 325.162+/-0.038 χ^2/NDF:2448358.6/54

Out: 326.197+/-0.037 χ^2/NDF:2573660.0/59

All: 325.687+/-0.026 χ^2/NDF: 5022402.0/114

asym_dsr_mean vs Slug, Sign Corrected



Right In: 9.417+/-84.859 χ^2/NDF: 29.6/31

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 41.180+/-82.860 χ^2/NDF: 23.6/35

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

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

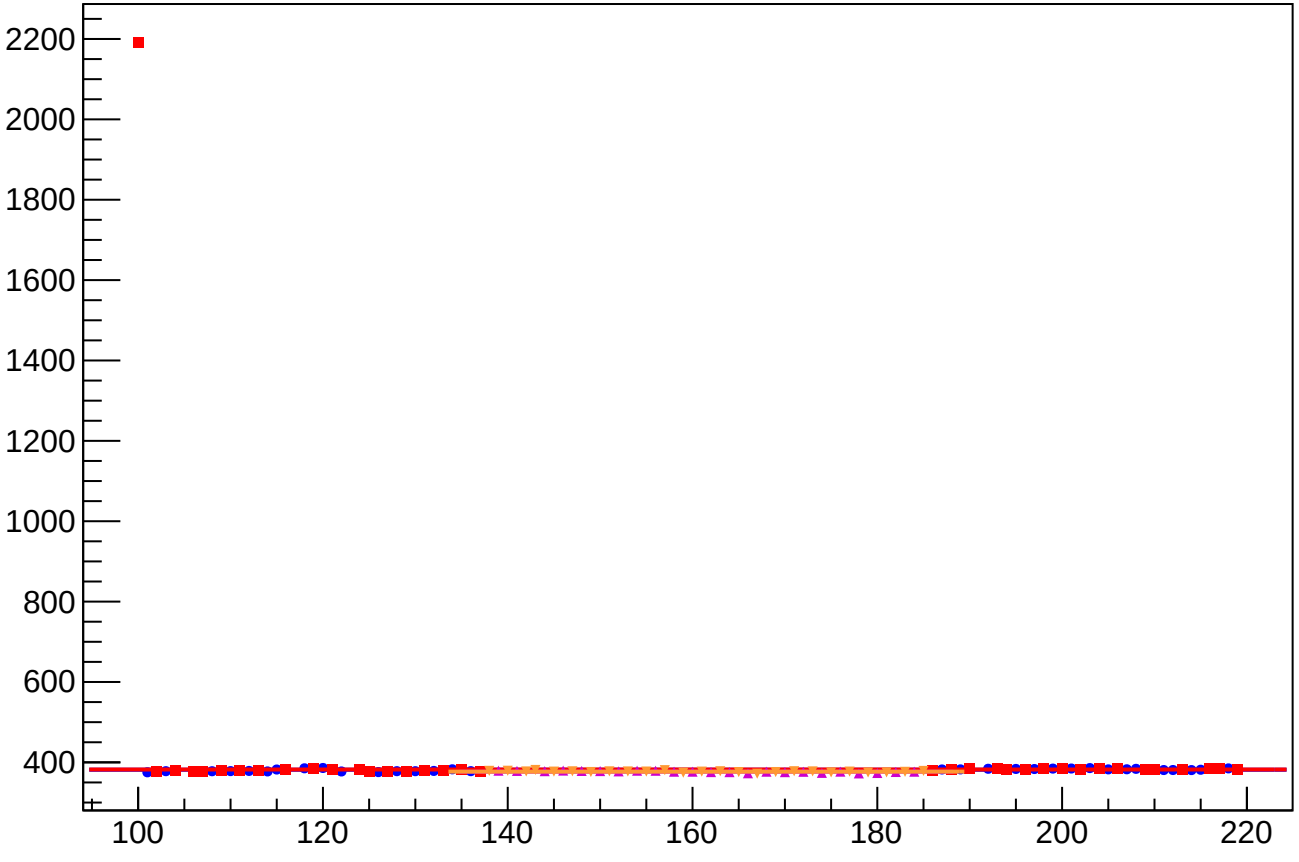
Right: 25.677+/-59.285 χ^2/NDF: 53.3/67

In: -73.664+/-61.082 χ^2/NDF:53.3/54

Out: 11.079+/-59.542 χ^2/NDF:36.5/60

All: -30.211+/-42.637 χ^2/NDF: 90.8/115

asym_dsr_rms vs Slug, Sign Corrected



Right In: 381.594+/-0.060 χ^2/NDF: 2399.5/31

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 382.186+/-0.059 χ^2/NDF: 100817.8/35

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

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

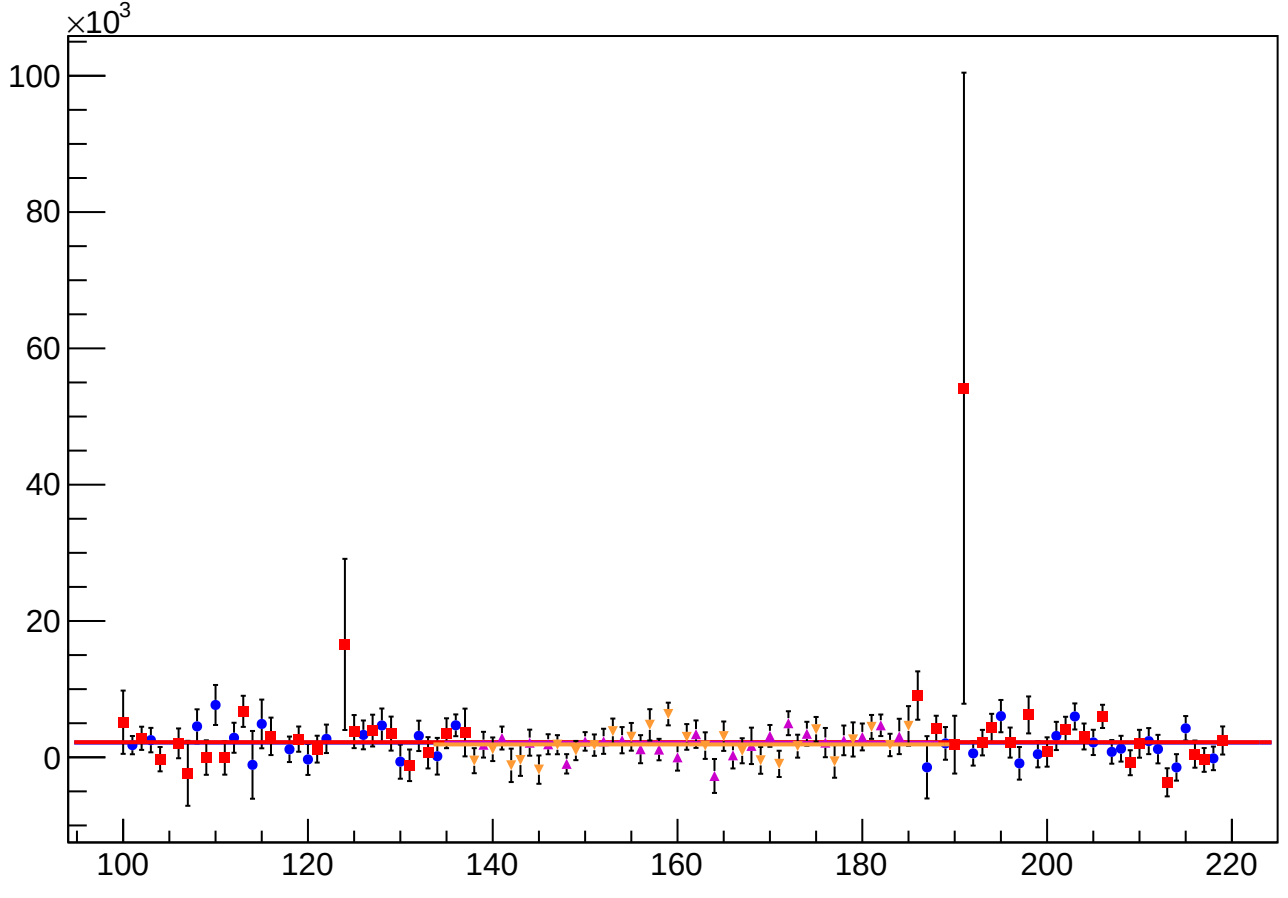
Right: 381.897+/-0.042 χ^2/NDF: 103267.2/67

In: 379.306+/-0.043 χ^2/NDF:6491.1/54

Out: 379.633+/-0.042 χ^2/NDF:105804.1/60

All: 379.473+/-0.030 χ^2/NDF: 112324.5/115

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2158.357+/-366.922 χ^2/NDF: 31.5/31

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2216.382+/-369.821 χ^2/NDF: 44.7/36

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

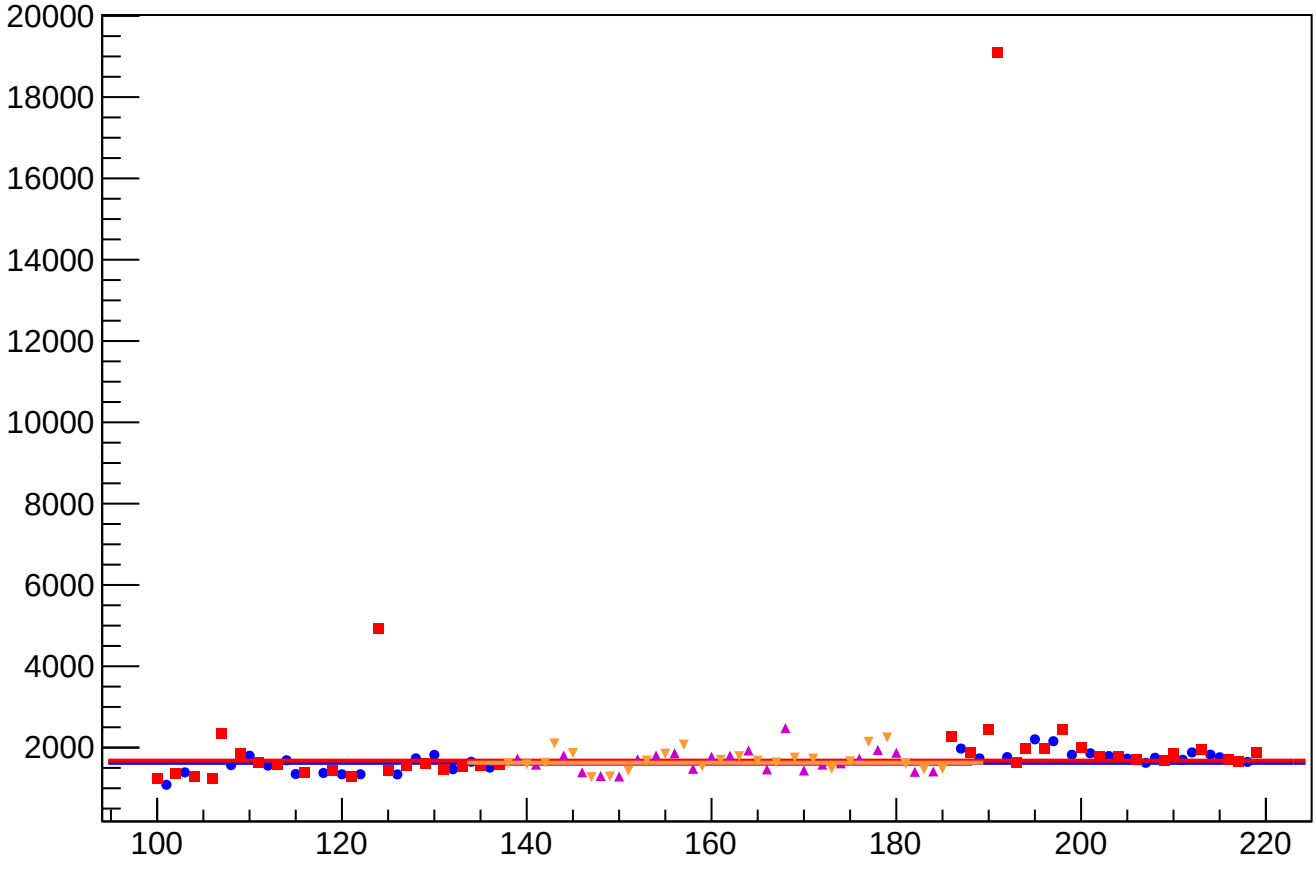
Right: 2187.141+/-260.472 χ^2/NDF: 76.2/68

In: 2132.747+/-263.636 χ^2/NDF:50.1/54

Out: 2056.179+/-263.415 χ^2/NDF:73.4/61

All: 2094.430+/-186.341 χ^2/NDF: 123.6/116

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1625.143+/-0.259 χ^2/NDF: 945886.5/31

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1679.366+/-0.262 χ^2/NDF: 1442148.9/36

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

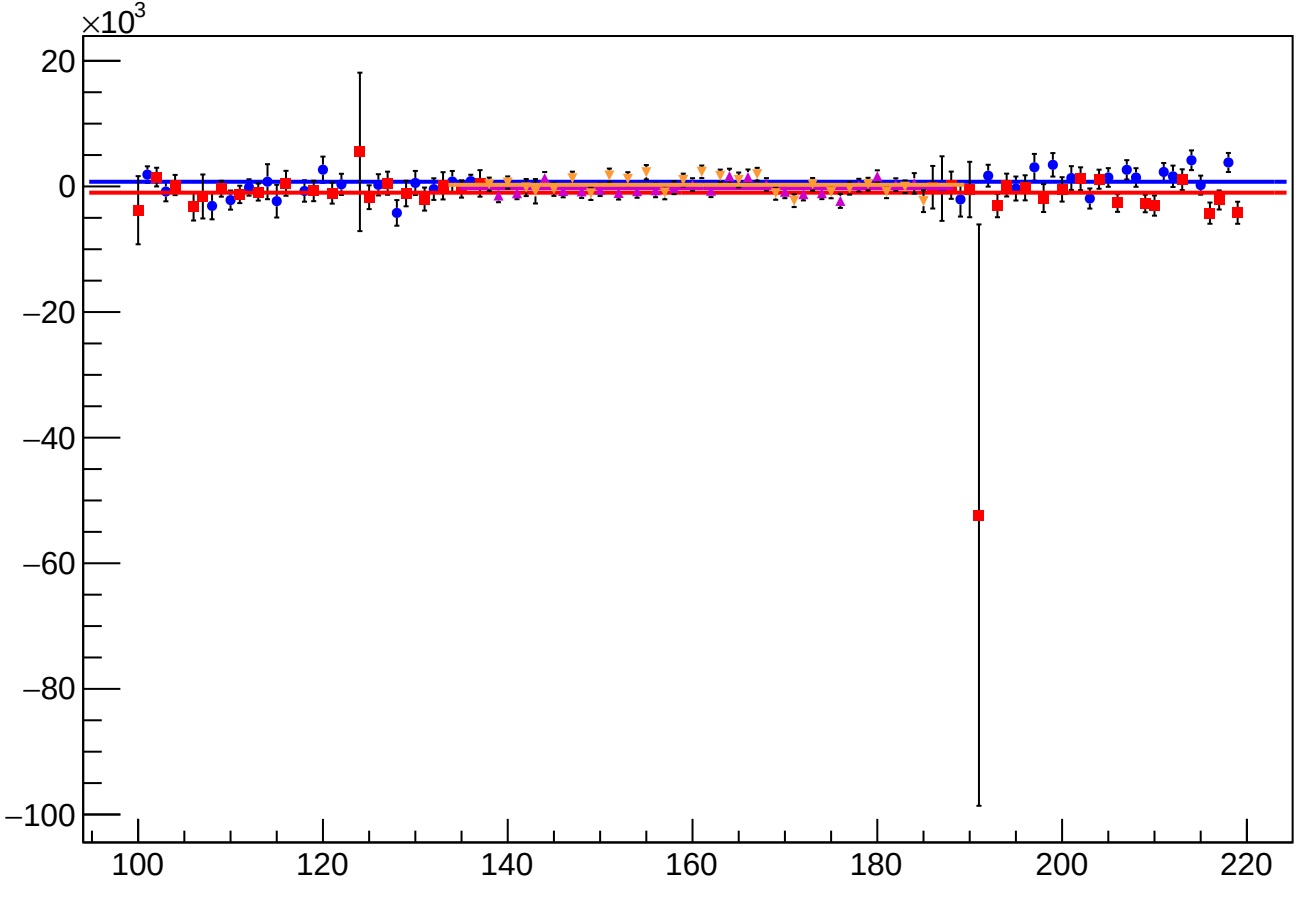
Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

Right: 1652.041+/-0.184 χ^2/NDF: 2409701.7/68

In: 1613.704+/-0.186 χ^2/NDF:1743627.6/54

Out: 1654.296+/-0.186 χ^2/NDF:2239899.5/61

All: 1634.017+/-0.132 χ^2/NDF: 4007253.2/11



Right In: 746.676+/-296.870 χ^2/NDF: 38.9/31

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: -991.119+/-299.030 χ^2/NDF: 28.7/36

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

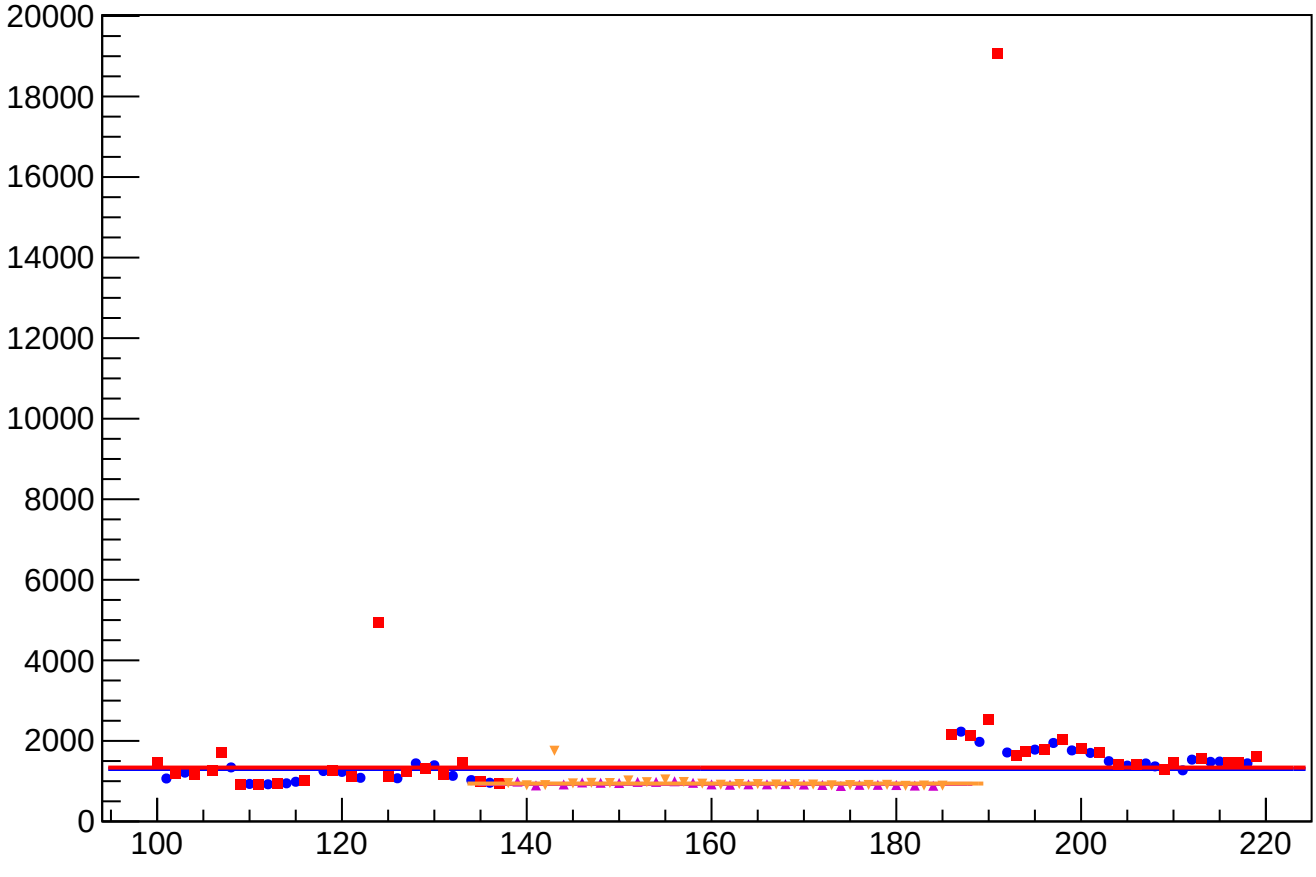
Right: -115.924+/-210.678 χ^2/NDF: 84.6/68

In: 87.413+/-175.548 χ^2/NDF:67.9/54

Out: -164.689+/-174.543 χ^2/NDF:74.2/61

All: -39.362+/-123.774 χ^2/NDF: 143.1/116

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1302.421+/-0.210 χ^2/NDF: 1795155.7/31

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1338.050+/-0.211 χ^2/NDF: 2773946.0/36

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

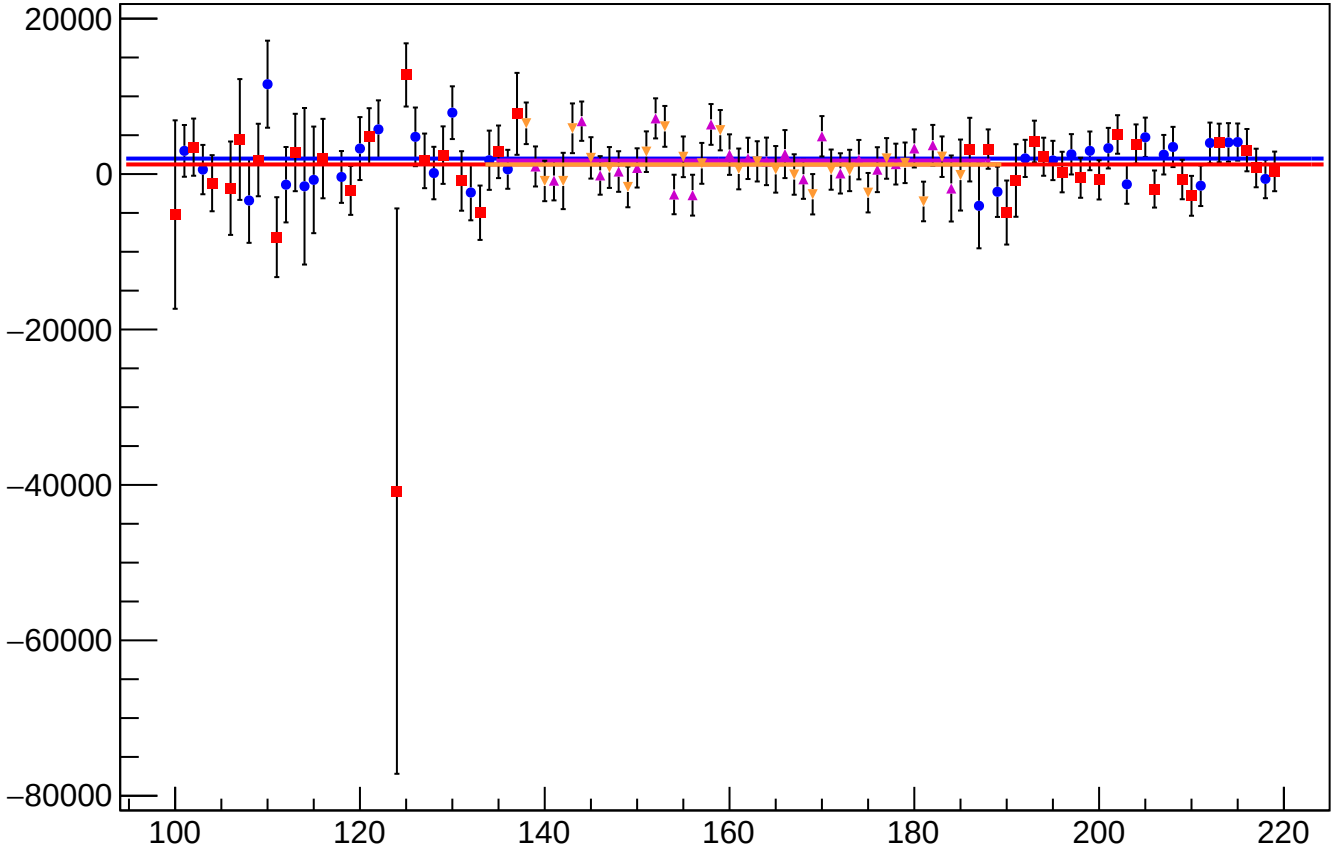
Right: 1320.107+/-0.149 χ^2/NDF: 4583401.1/68

In: 1061.240+/-0.124 χ^2/NDF:3873848.1/54

Out: 1076.285+/-0.123 χ^2/NDF:5516232.3/61

All: 1068.806+/-0.088 χ^2/NDF: 9397467.5/11

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1992.524+/-539.976 χ^2/NDF: 24.0/31

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1237.681+/-532.494 χ^2/NDF: 37.8/36

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

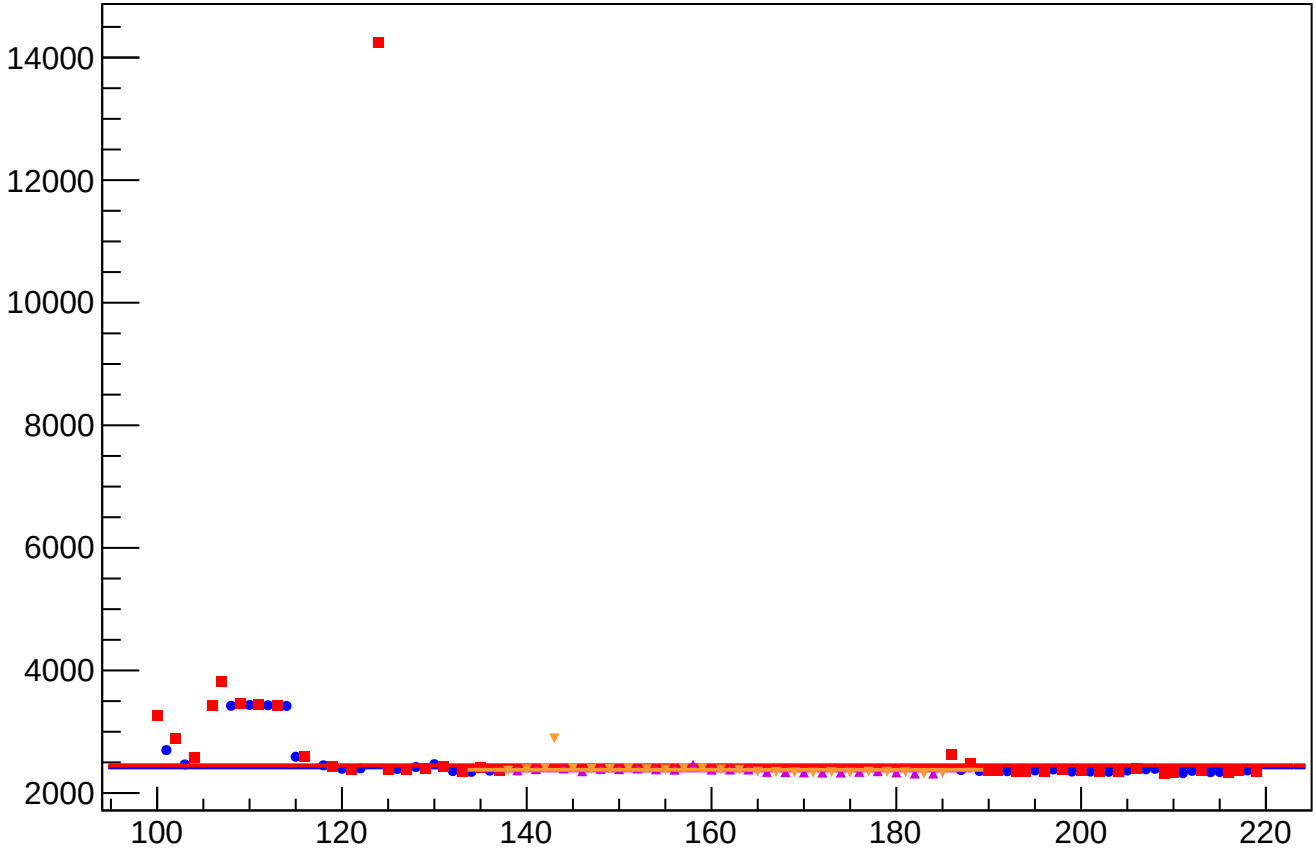
Right: 1609.837+/-379.148 χ^2/NDF: 62.8/68

In: 1870.173+/-386.430 χ^2/NDF:48.5/54

Out: 1236.229+/-379.602 χ^2/NDF:61.7/61

All: 1547.551+/-270.801 χ^2/NDF: 111.5/116

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2419.604+/-0.382 χ^2/NDF: 277811.9/31

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2452.166+/-0.377 χ^2/NDF: 660376.1/36

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

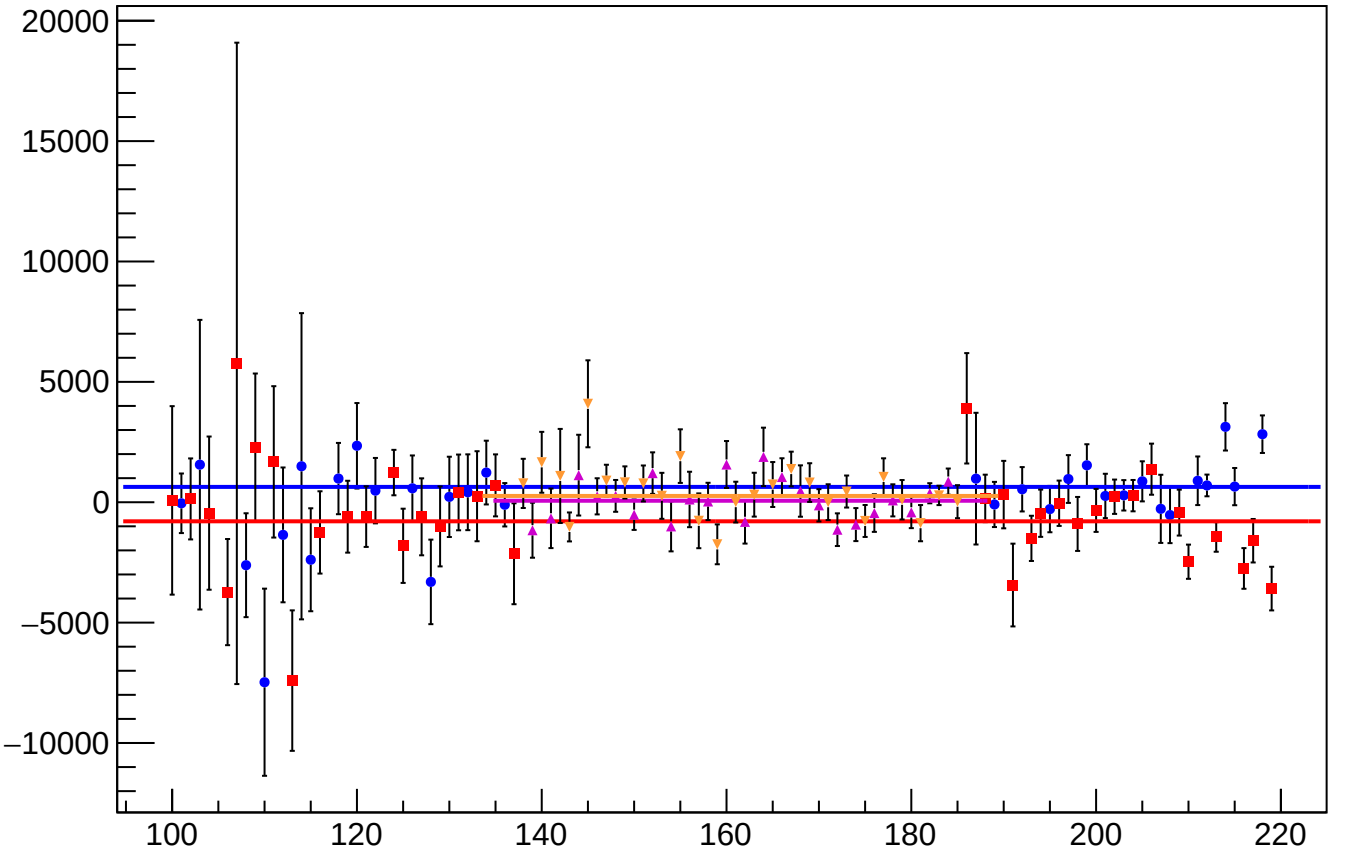
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2436.112+/-0.268 χ^2/NDF: 941875.1/68

In: 2395.104+/-0.273 χ^2/NDF:293285.4/54

Out: 2417.281+/-0.268 χ^2/NDF:735451.8/61

All: 2406.390+/-0.191 χ^2/NDF: 1032089.6/11



Right In: 637.009+/-187.196 χ^2/NDF: 35.6/31

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: -792.431+/-187.308 χ^2/NDF: 58.1/36

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

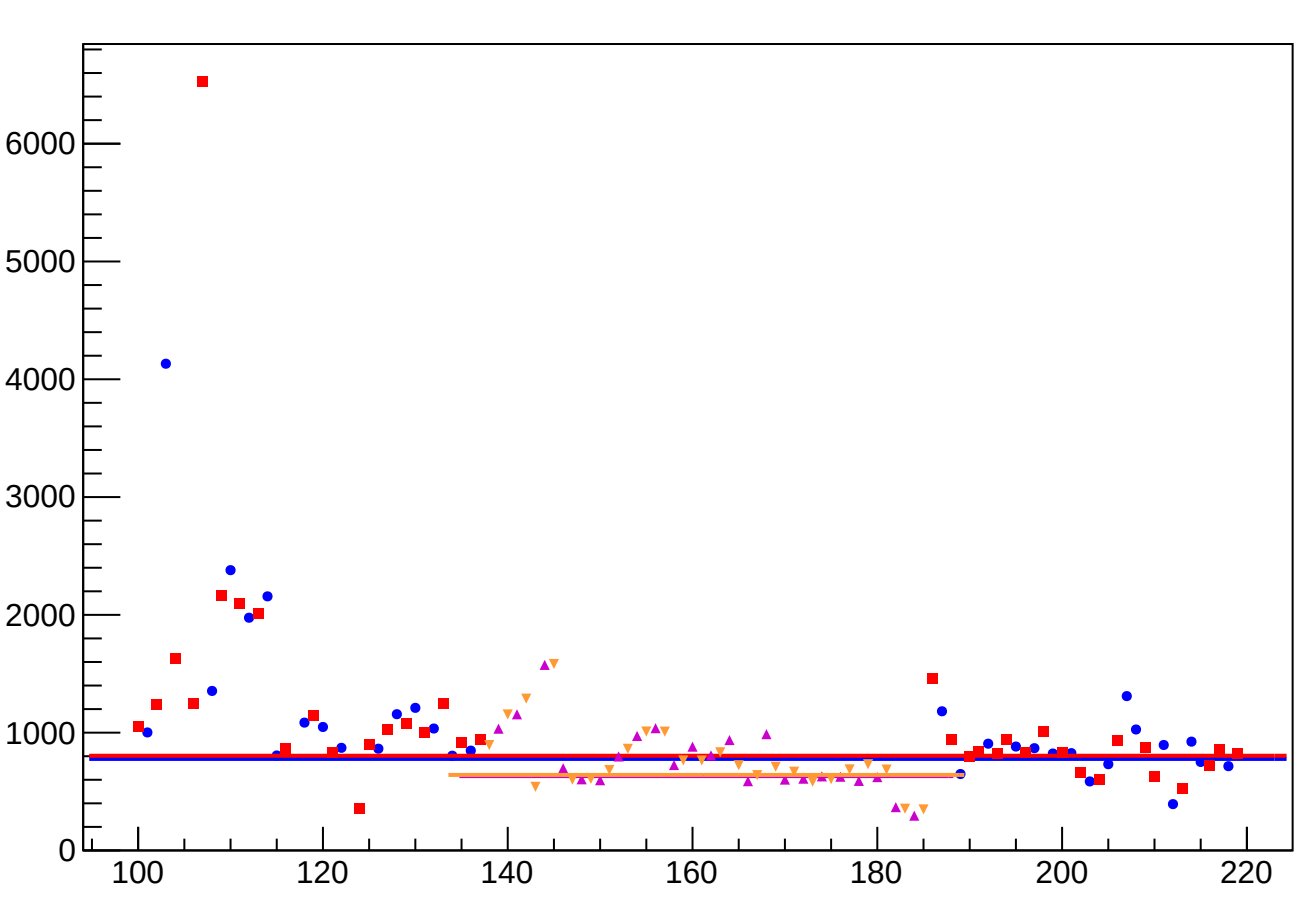
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: -77.284+/-132.407 χ^2/NDF: 122.8/68

In: 300.120+/-120.470 χ^2/NDF:63.1/54

Out: -163.390+/-118.960 χ^2/NDF:108.1/61

All: 65.443+/-84.646 χ^2/NDF: 178.7/116



Right In: 777.123+/-0.132 χ^2/NDF: 4349777.3/31

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 803.960+/-0.132 χ^2/NDF: 3810557.9/36

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

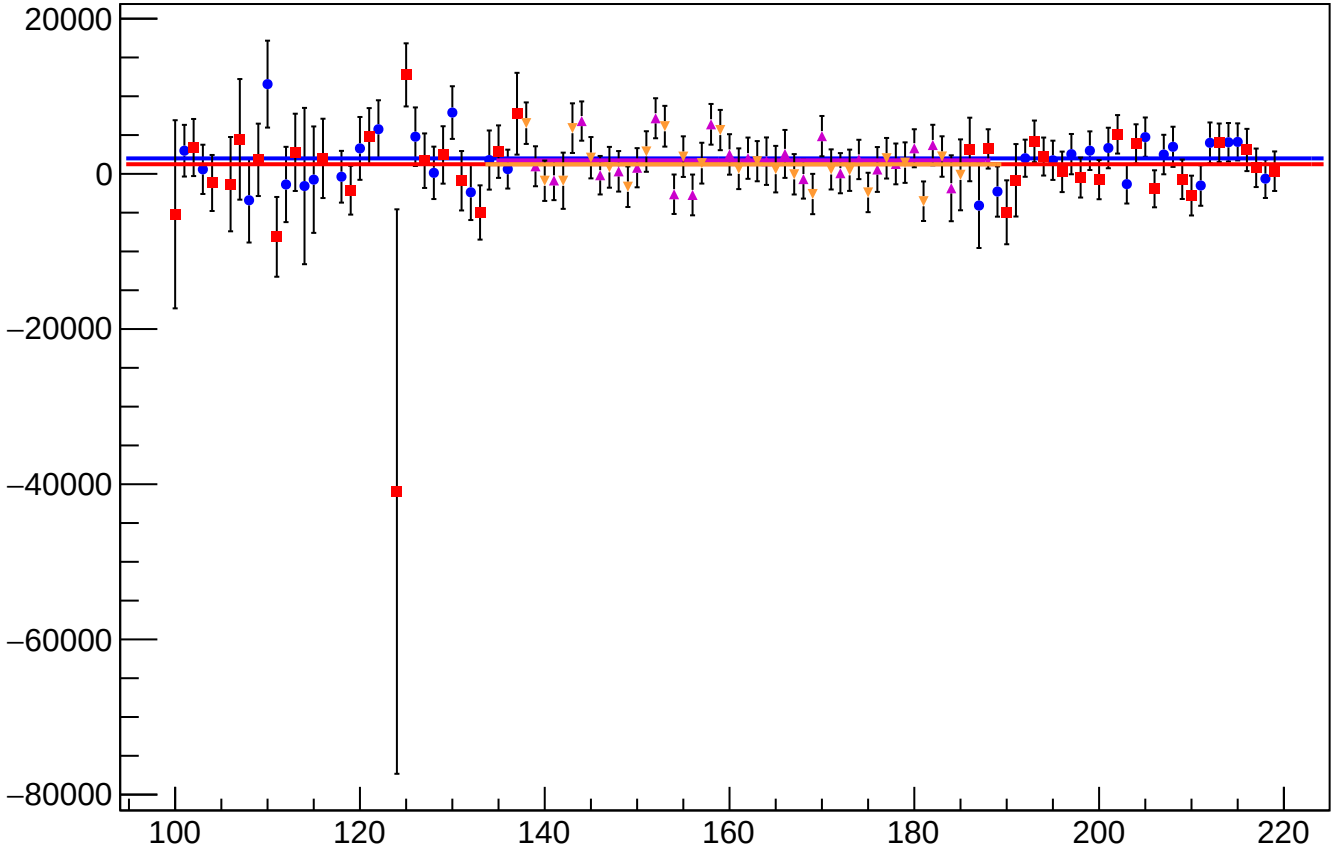
Right: 790.534+/-0.094 χ^2/NDF: 8180875.4/68

In: 691.634+/-0.085 χ^2/NDF:9037211.4/54

Out: 706.825+/-0.084 χ^2/NDF:8186902.2/61

All: 699.325+/-0.060 χ^2/NDF: 17240214.2/11

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1992.721+/-539.976 χ^2/NDF: 24.0/31

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1240.477+/-532.542 χ^2/NDF: 37.7/36

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

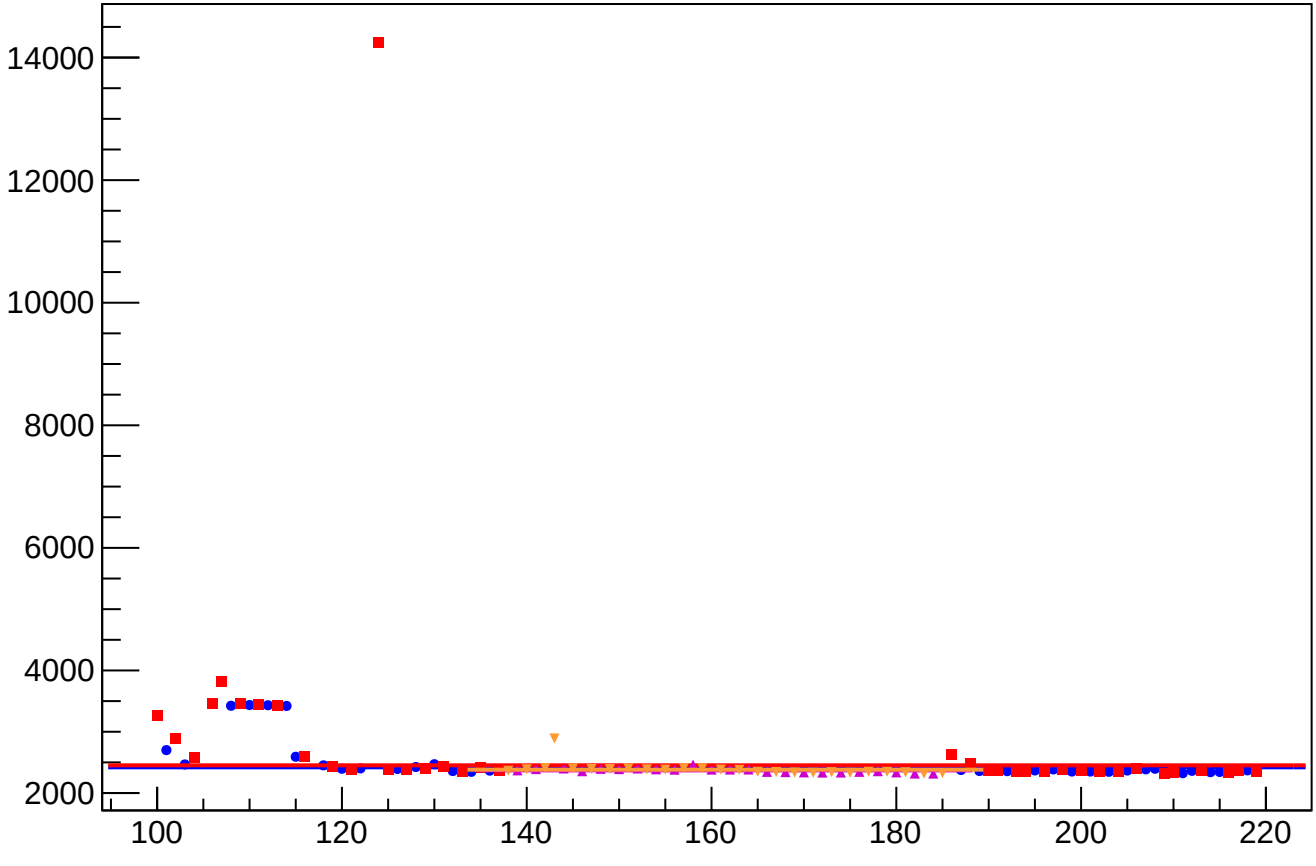
Right: 1611.385+/-379.165 χ^2/NDF: 62.7/68

In: 1870.300+/-386.430 χ^2/NDF:48.5/54

Out: 1237.639+/-379.619 χ^2/NDF:61.6/61

All: 1548.345+/-270.807 χ^2/NDF: 111.4/116

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2419.604+/-0.382 χ^2/NDF: 277811.9/31

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2452.293+/-0.377 χ^2/NDF: 663354.5/36

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

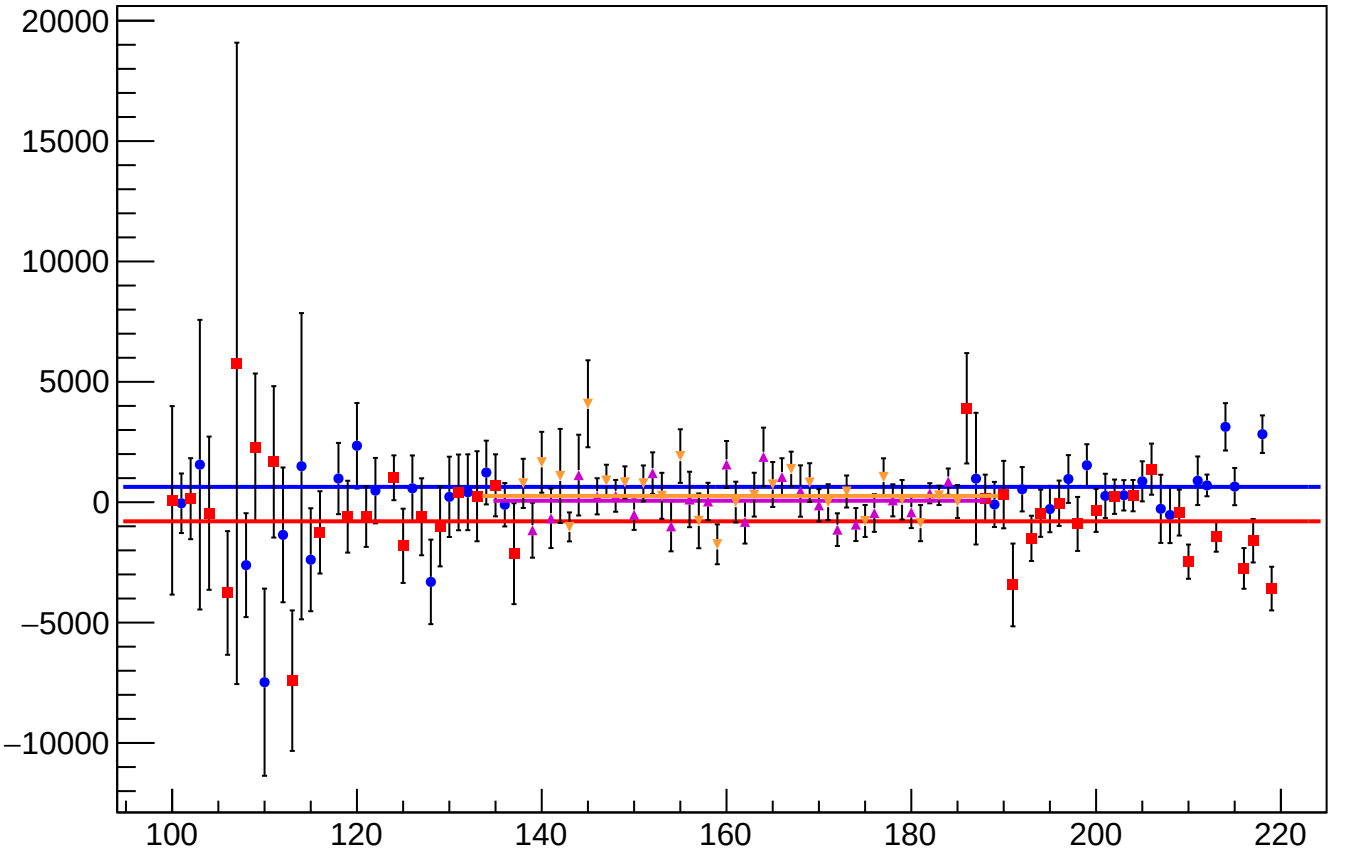
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2436.175+/-0.268 χ^2/NDF: 944882.2/68

In: 2395.104+/-0.273 χ^2/NDF:293285.4/54

Out: 2417.343+/-0.268 χ^2/NDF:738491.7/61

All: 2406.421+/-0.191 χ^2/NDF: 1035148.1/11



Right In: 636.944+/-187.197 χ^2/NDF: 35.6/31

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -793.483+/-187.385 χ^2/NDF: 56.8/36

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

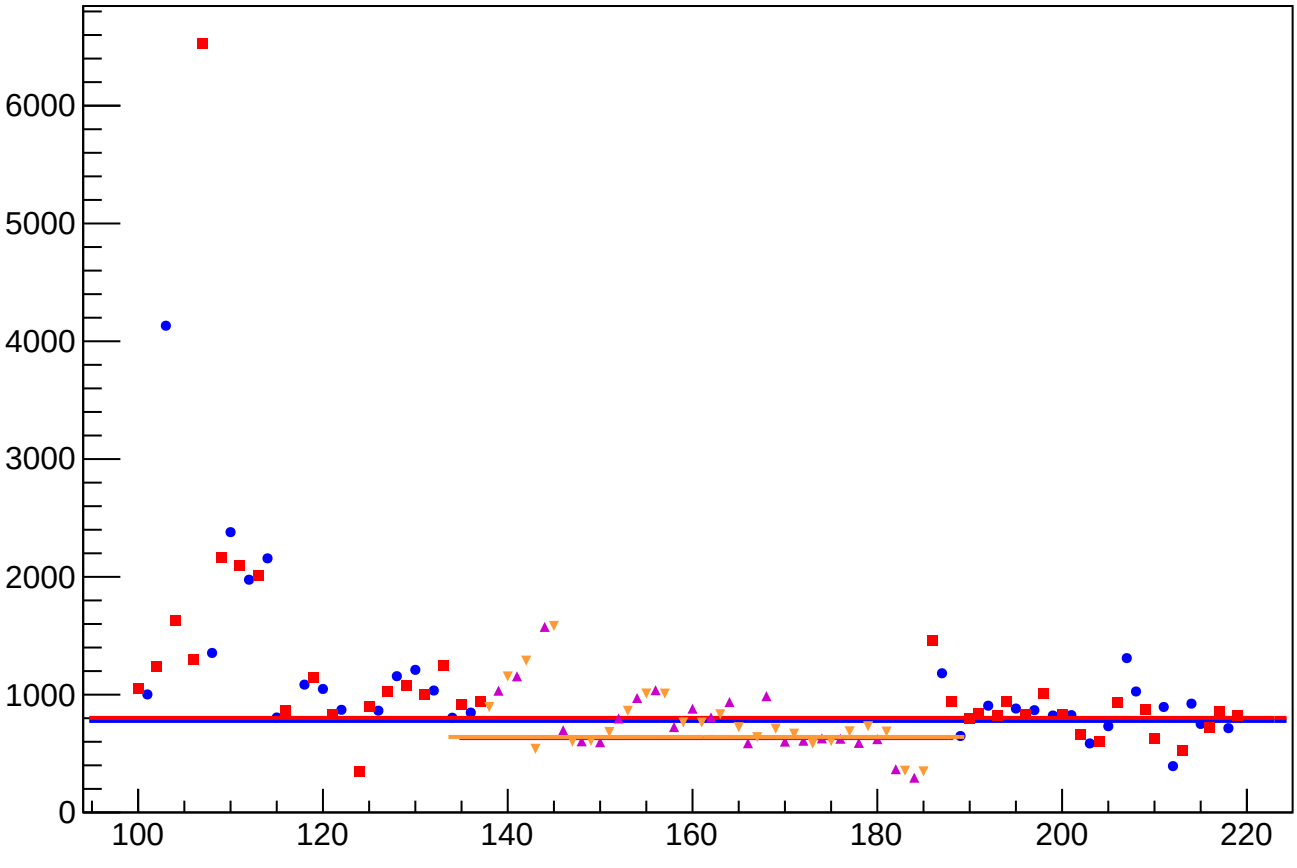
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -77.549+/-132.435 χ^2/NDF: 121.6/68

In: 300.100+/-120.470 χ^2/NDF:63.1/54

Out: -163.442+/-118.981 χ^2/NDF:106.9/61

All: 65.448+/-84.654 χ^2/NDF: 177.4/116



Right In: 777.133+/-0.132 χ^2/NDF: 4349394.6/31

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 802.704+/-0.133 χ^2/NDF: 3824606.8/36

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

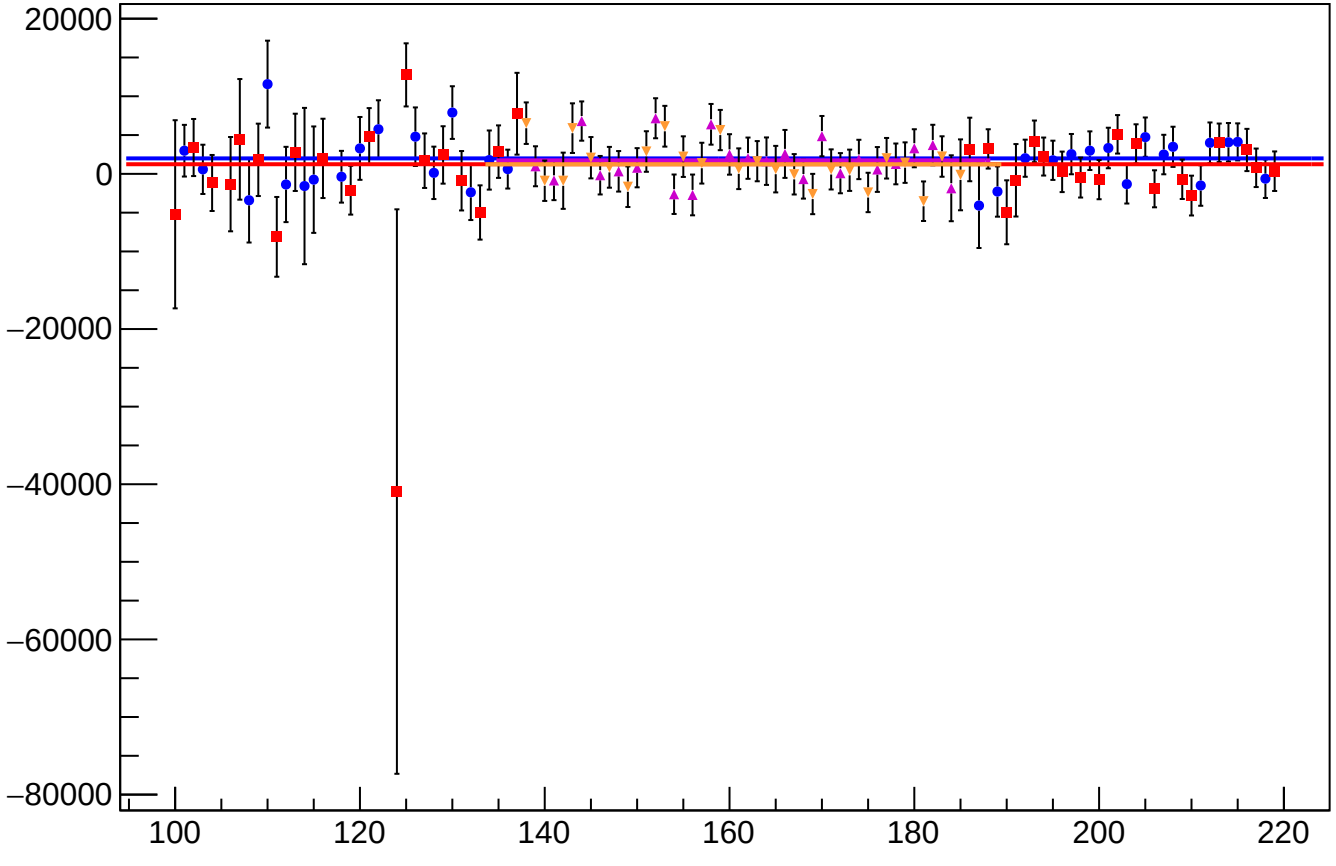
Right: 789.905+/-0.094 χ^2/NDF: 8192642.1/68

In: 691.636+/-0.085 χ^2/NDF:9037065.0/54

Out: 706.295+/-0.084 χ^2/NDF:8186228.6/61

All: 699.057+/-0.060 χ^2/NDF: 17238284.0/11

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1992.721+/-539.976 χ^2/NDF: 24.0/31

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1240.477+/-532.542 χ^2/NDF: 37.7/36

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

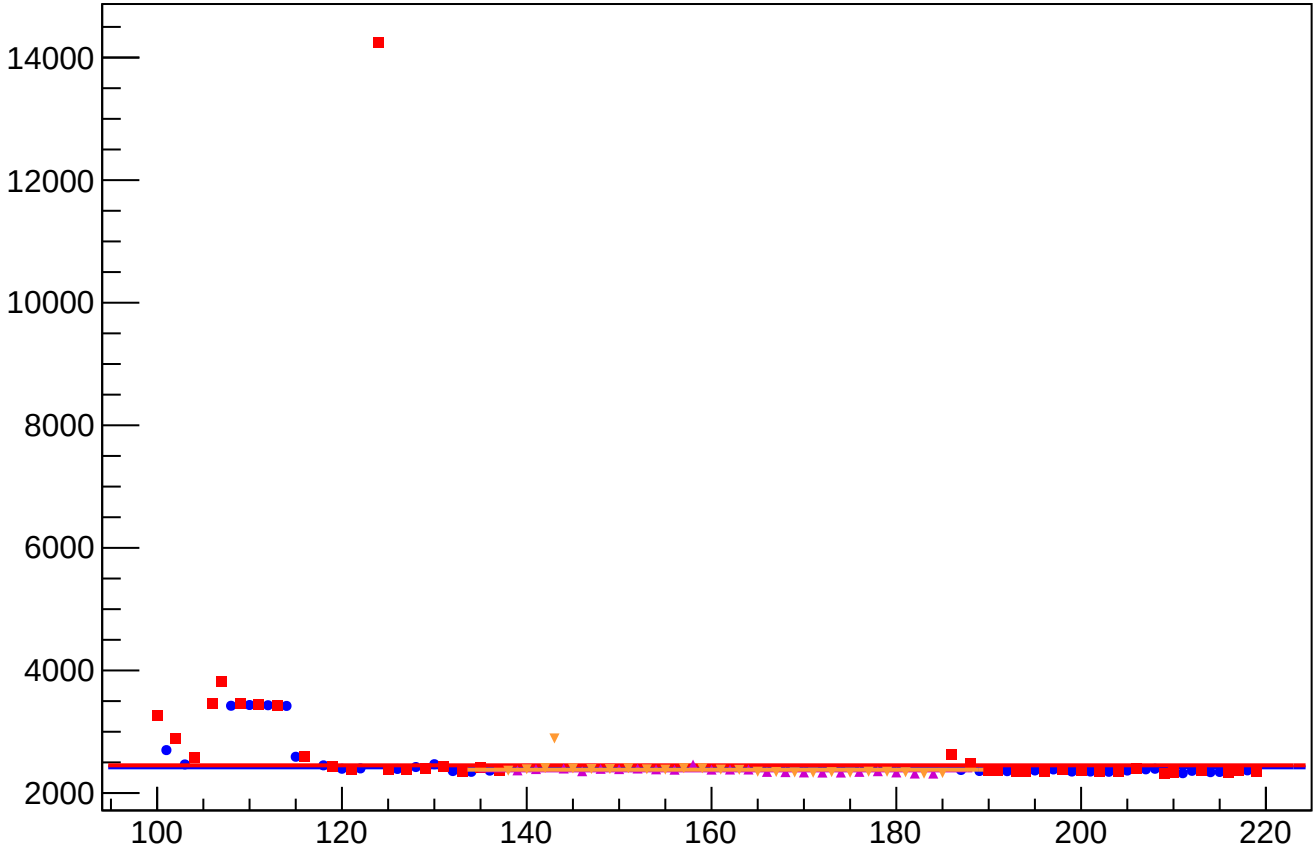
Right: 1611.385+/-379.165 χ^2/NDF: 62.7/68

In: 1870.300+/-386.430 χ^2/NDF:48.5/54

Out: 1237.639+/-379.619 χ^2/NDF:61.6/61

All: 1548.345+/-270.807 χ^2/NDF: 111.4/116

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2419.604+/-0.382 χ^2/NDF: 277811.9/31

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2452.293+/-0.377 χ^2/NDF: 663354.5/36

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

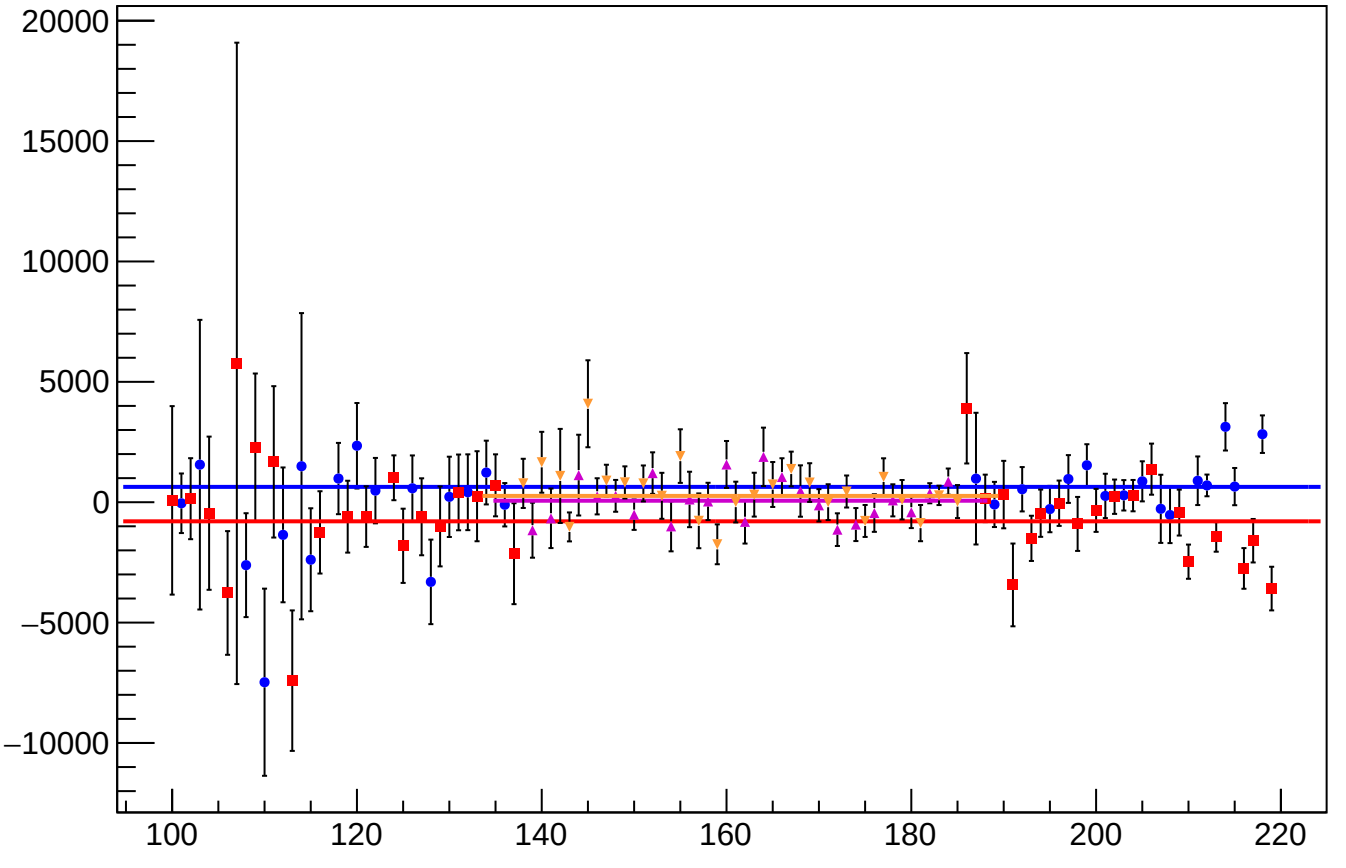
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2436.175+/-0.268 χ^2/NDF: 944882.2/68

In: 2395.104+/-0.273 χ^2/NDF:293285.4/54

Out: 2417.343+/-0.268 χ^2/NDF:738491.7/61

All: 2406.421+/-0.191 χ^2/NDF: 1035148.1/11



Right In: 636.944+/-187.197 χ^2/NDF: 35.6/31

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -793.483+/-187.385 χ^2/NDF: 56.8/36

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

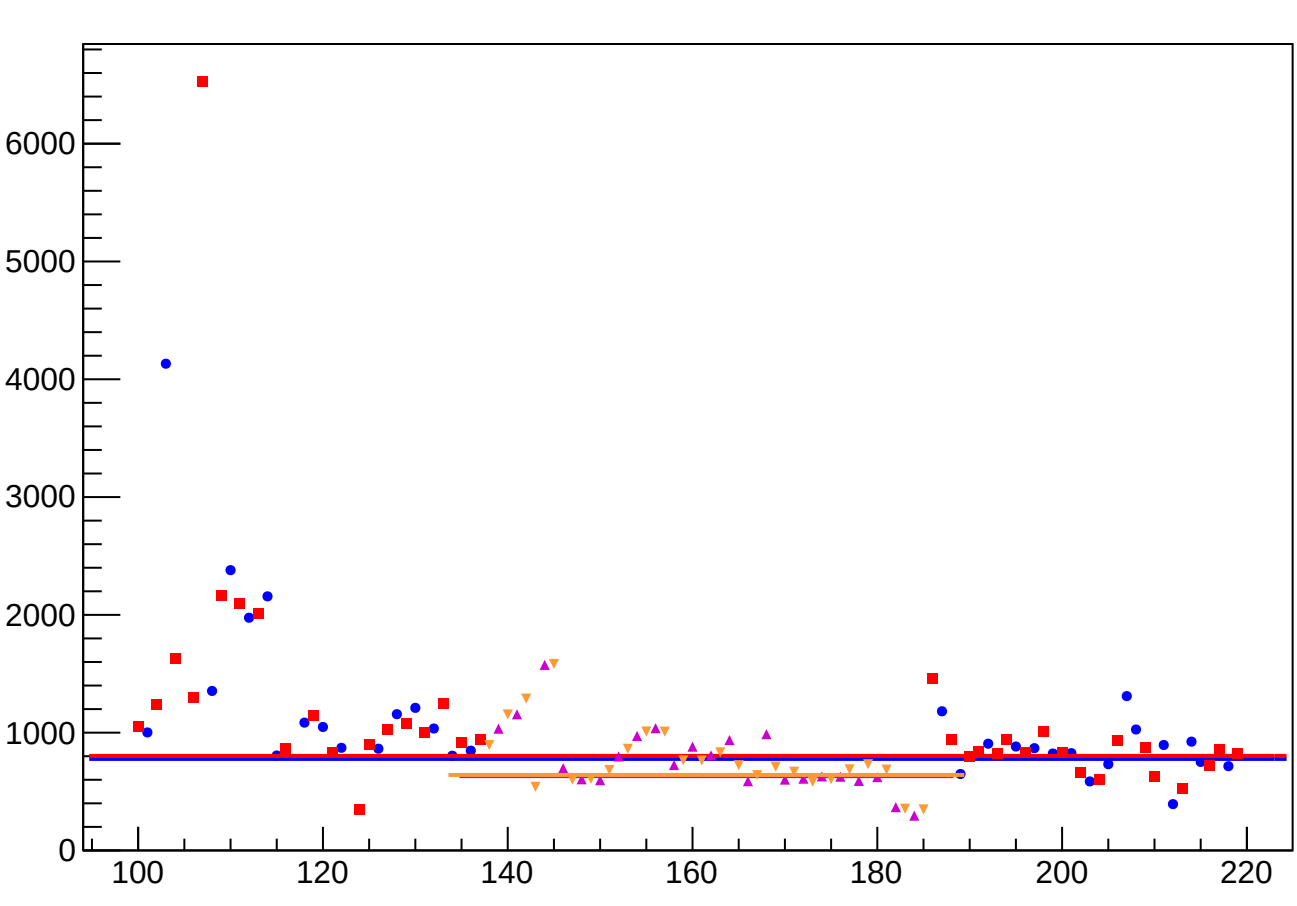
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -77.549+/-132.435 χ^2/NDF: 121.6/68

In: 300.100+/-120.470 χ^2/NDF:63.1/54

Out: -163.442+/-118.981 χ^2/NDF:106.9/61

All: 65.448+/-84.654 χ^2/NDF: 177.4/116



Right In: 777.133+/-0.132 χ^2/NDF: 4349394.6/31

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 802.704+/-0.133 χ^2/NDF: 3824606.8/36

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

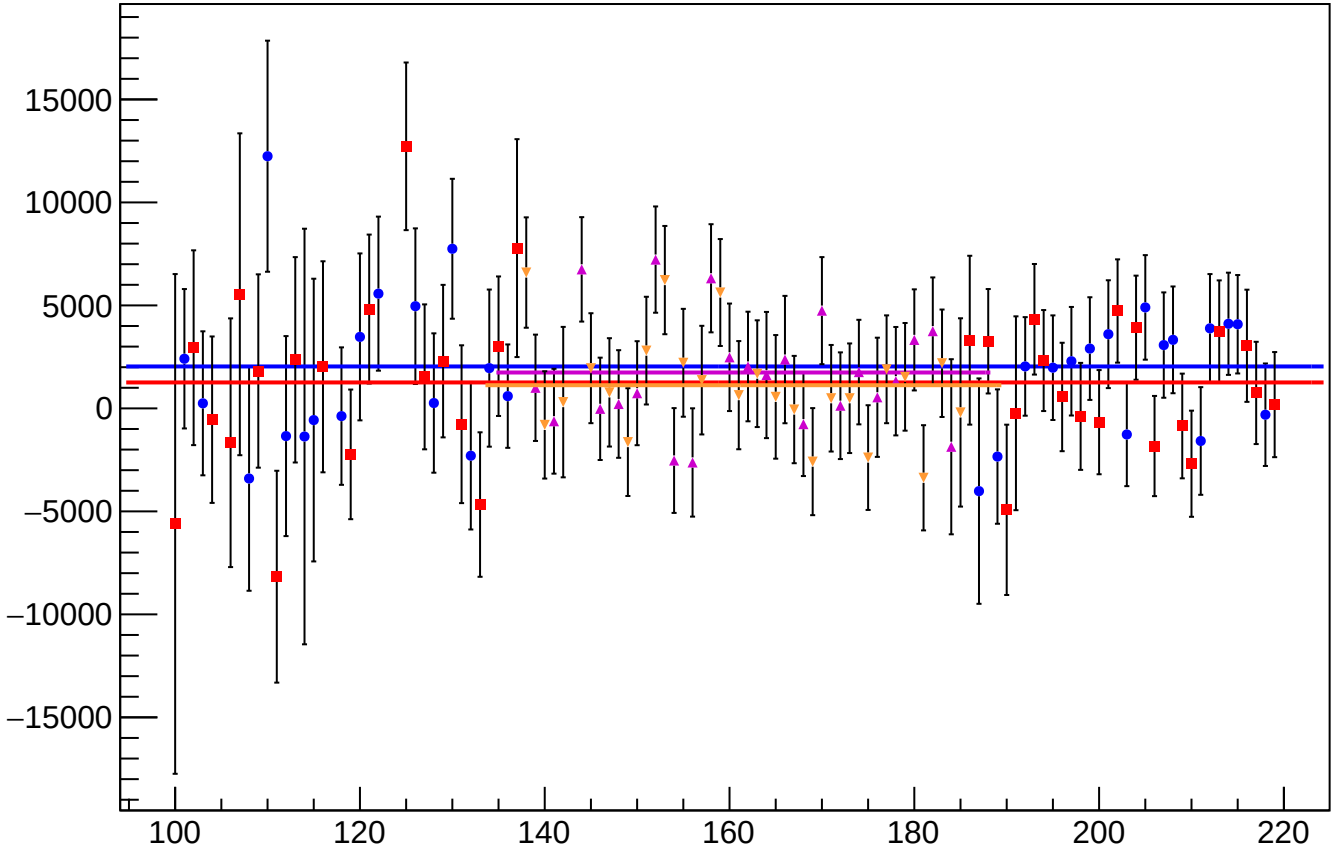
Right: 789.905+/-0.094 χ^2/NDF: 8192642.1/68

In: 691.636+/-0.085 χ^2/NDF:9037065.0/54

Out: 706.295+/-0.084 χ^2/NDF:8186228.6/61

All: 699.057+/-0.060 χ^2/NDF: 17238284.0/11

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 2035.922+/-542.840 χ^2/NDF: 24.0/31

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1259.665+/-537.825 χ^2/NDF: 34.8/35

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

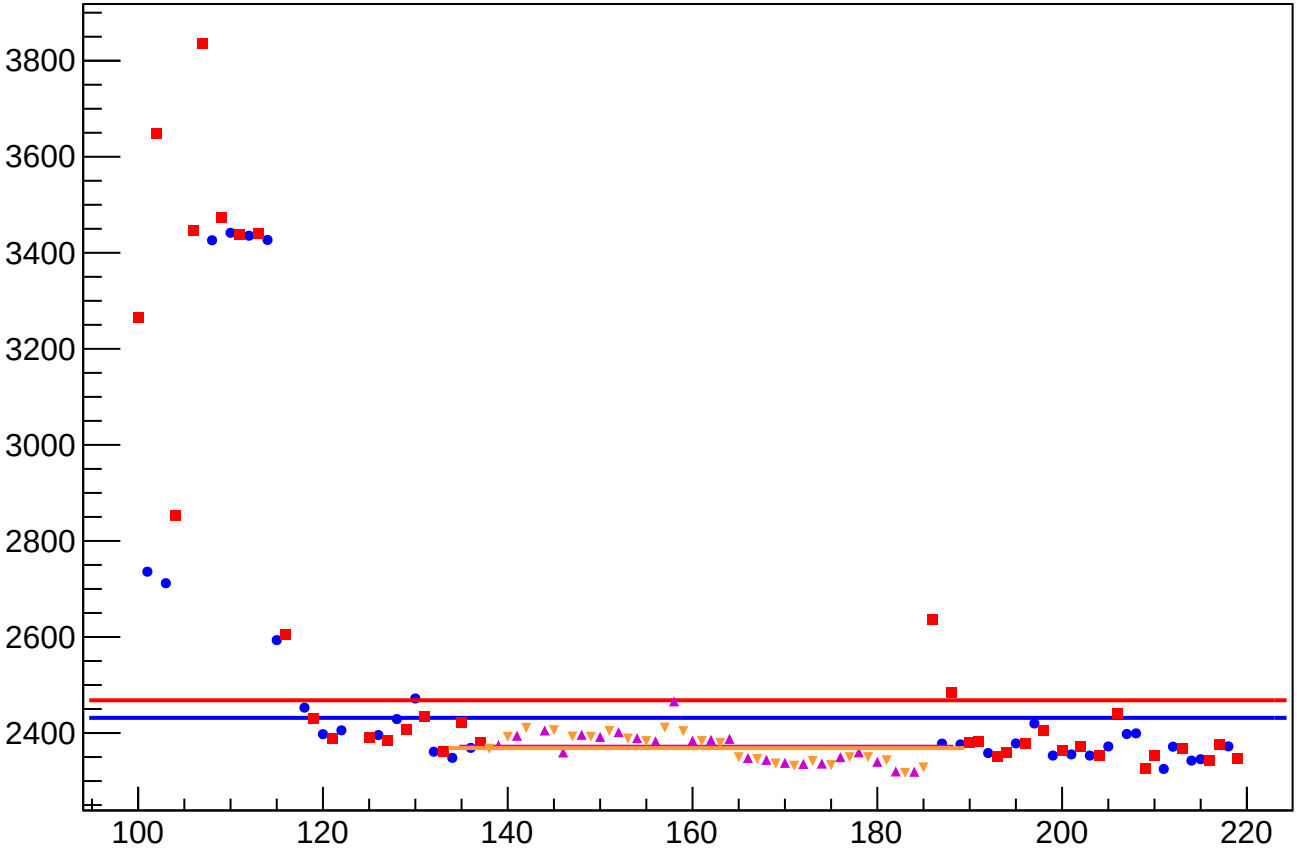
Right: 1644.191+/-382.060 χ^2/NDF: 59.9/67

In: 1892.035+/-387.647 χ^2/NDF:47.9/54

Out: 1194.094+/-384.475 χ^2/NDF:56.1/59

All: 1540.197+/-272.980 χ^2/NDF: 105.6/114

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2431.591+/-0.384 χ^2/NDF: 291962.4/31

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2468.156+/-0.380 χ^2/NDF: 564235.9/35

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

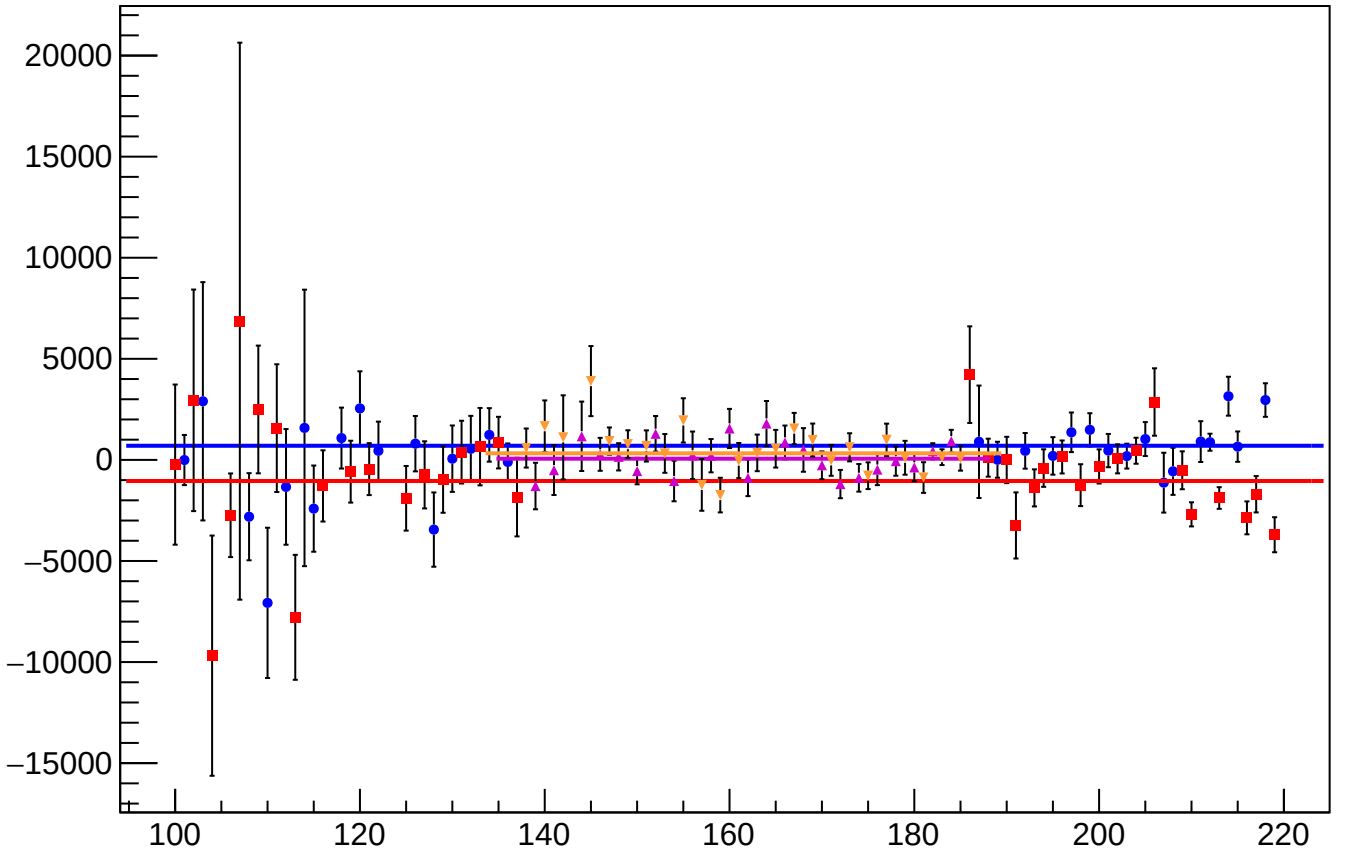
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2450.043+/-0.270 χ^2/NDF: 860777.8/67

In: 2402.152+/-0.274 χ^2/NDF:311018.7/54

Out: 2419.462+/-0.272 χ^2/NDF:603337.0/59

All: 2410.878+/-0.193 χ^2/NDF: 916366.0/114



Right In: 699.343+/-182.841 χ^2/NDF: 37.6/31

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: -1043.464+/-183.893 χ^2/NDF: 66.2/35

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

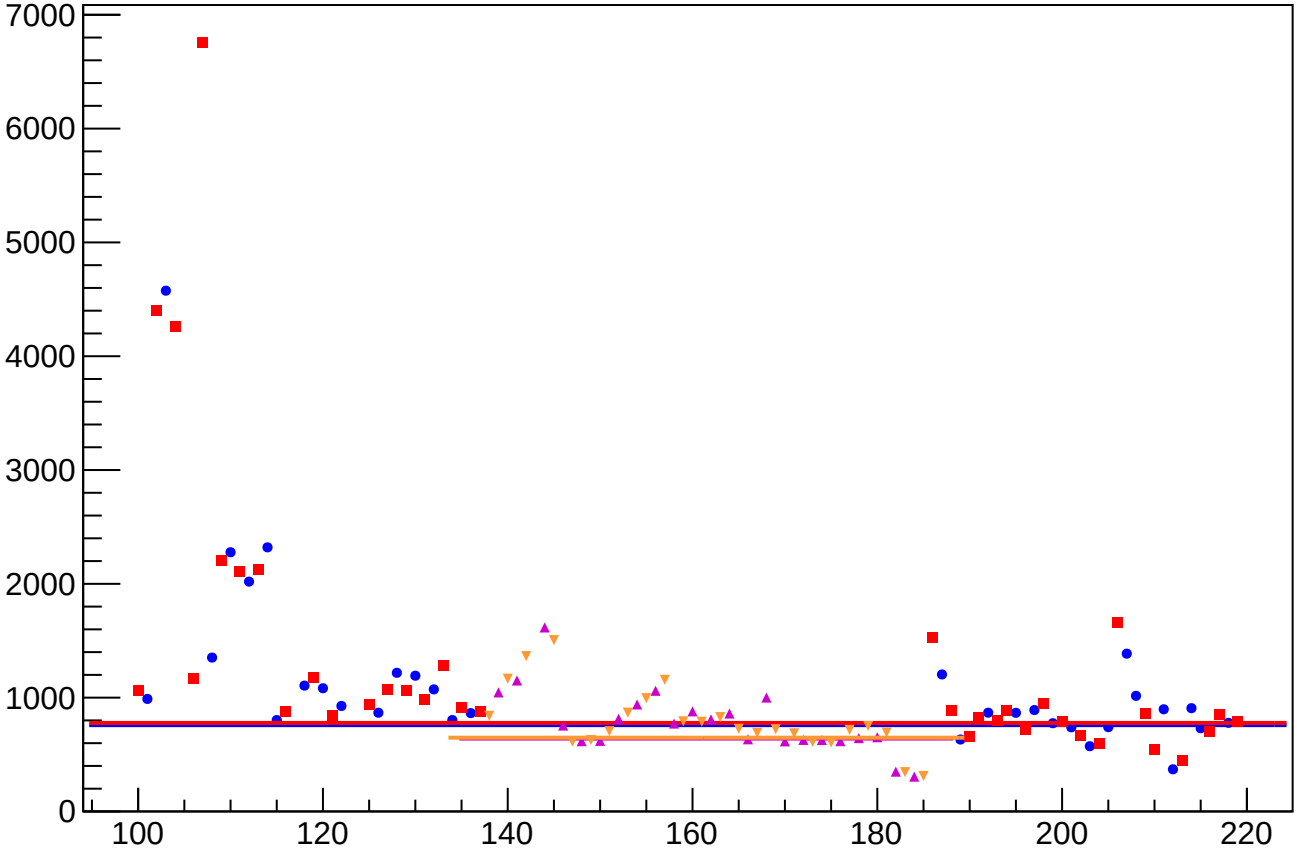
Right: -167.060+/-129.659 χ^2/NDF: 148.9/67

In: 336.399+/-120.267 χ^2/NDF:67.2/54

Out: -264.239+/-120.724 χ^2/NDF:124.5/59

All: 37.221+/-85.203 χ^2/NDF: 204.1/114

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 758.463+/-0.129 χ^2/NDF: 5082051.2/31

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 777.767+/-0.130 χ^2/NDF: 5896469.2/35

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

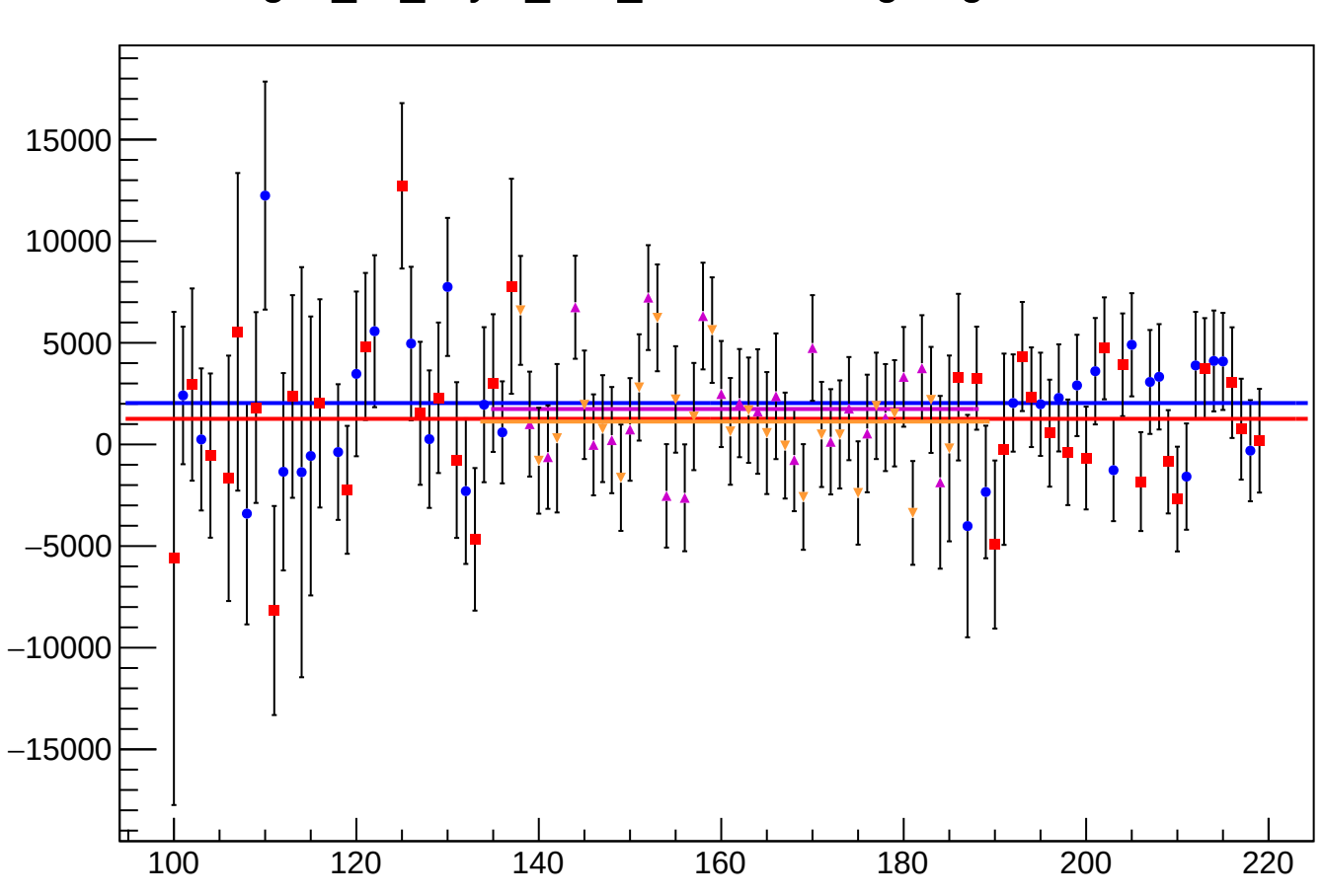
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 768.059+/-0.092 χ^2/NDF: 10989602.8/67

In: 691.493+/-0.085 χ^2/NDF:9683738.6/54

Out: 703.984+/-0.085 χ^2/NDF:10349280.3/59

All: 697.715+/-0.060 χ^2/NDF: 20043765.2/11



Right In: 2035.919+/-542.840 χ^2/NDF: 24.0/31

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1259.666+/-537.825 χ^2/NDF: 34.8/35

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

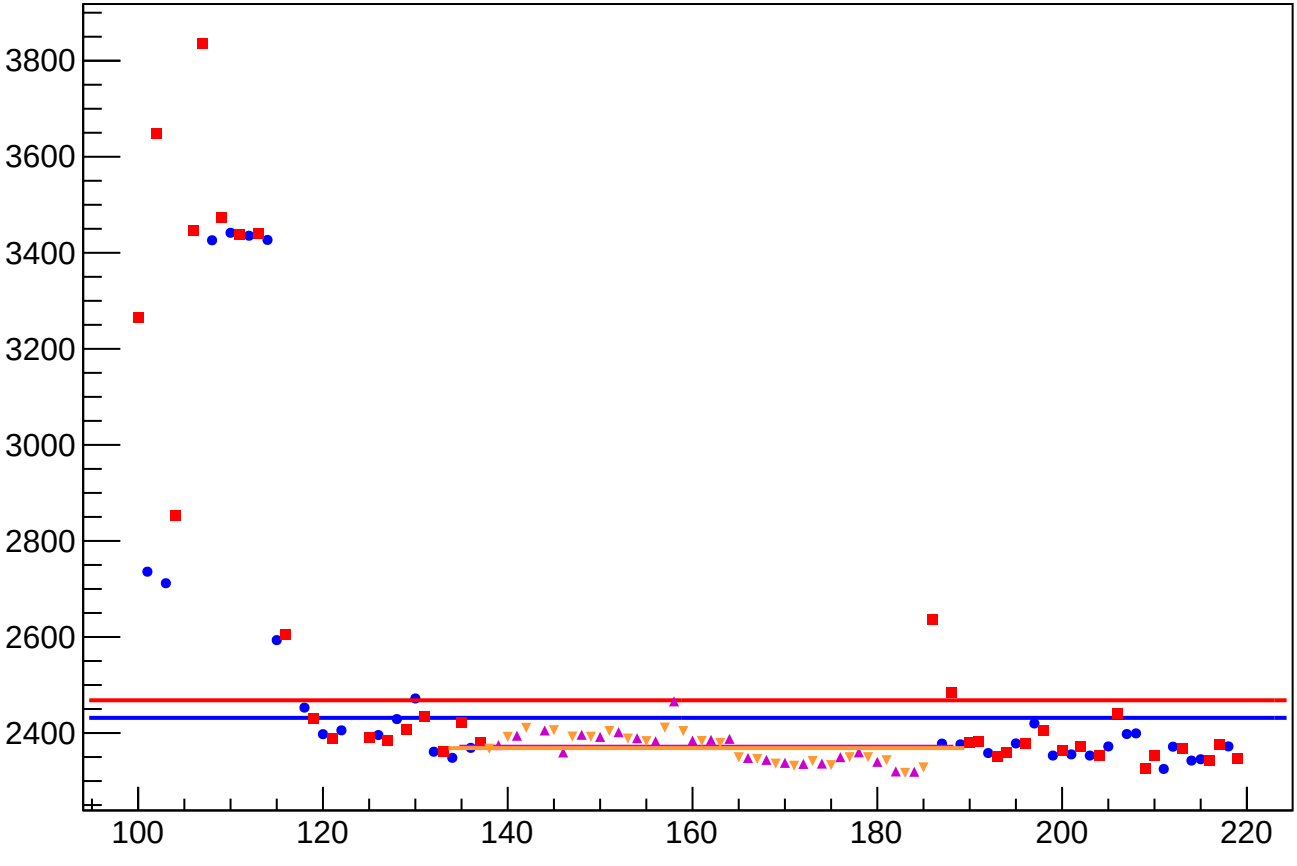
Right: 1644.190+/-382.060 χ^2/NDF: 59.9/67

In: 1892.034+/-387.647 χ^2/NDF:47.9/54

Out: 1194.094+/-384.475 χ^2/NDF:56.1/59

All: 1540.197+/-272.980 χ^2/NDF: 105.6/114

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2431.591+/-0.384 χ^2/NDF: 291961.9/31

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2468.156+/-0.380 χ^2/NDF: 564234.9/35

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

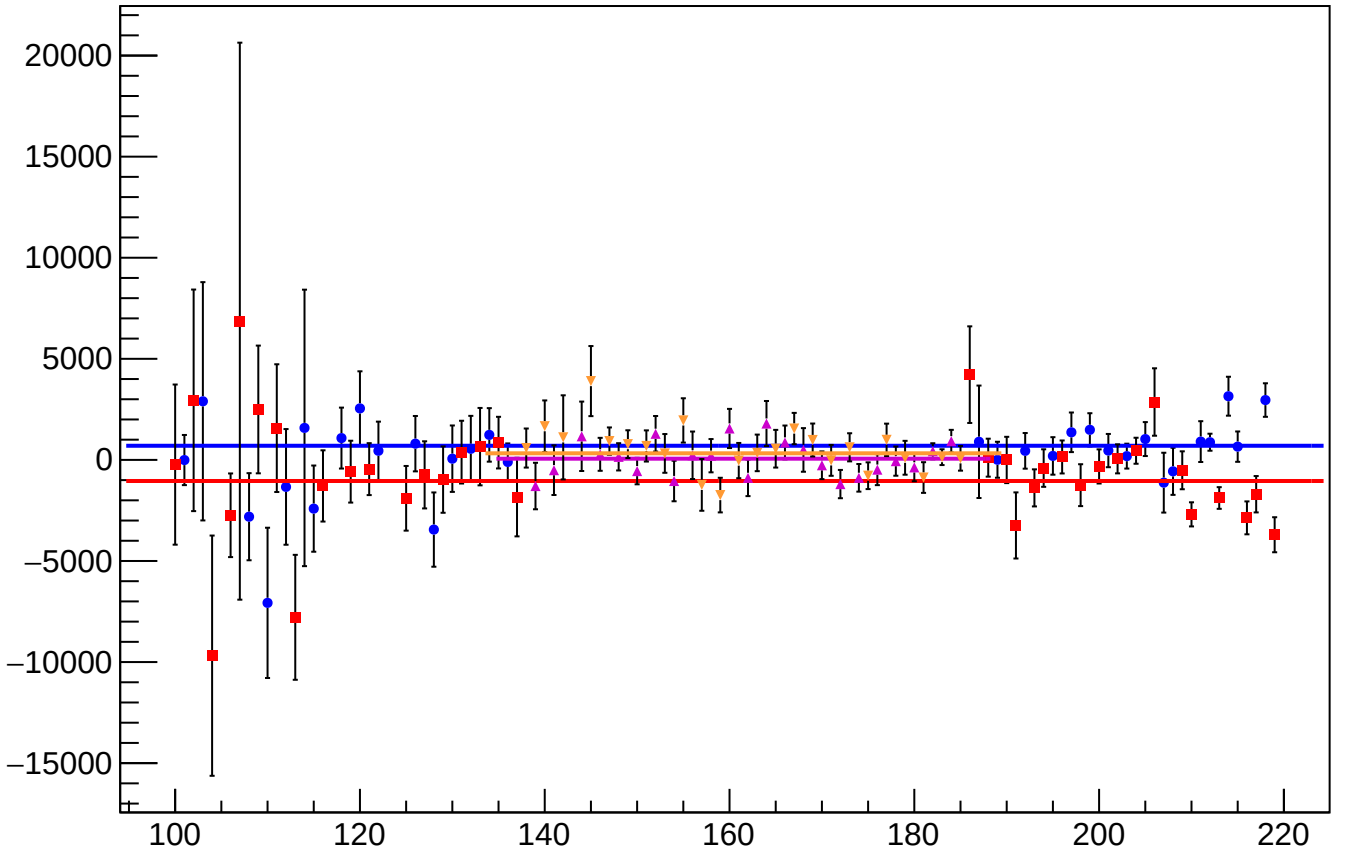
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2450.043+/-0.270 χ^2/NDF: 860776.3/67

In: 2402.152+/-0.274 χ^2/NDF:311018.2/54

Out: 2419.462+/-0.272 χ^2/NDF:603336.0/59

All: 2410.878+/-0.193 χ^2/NDF: 916364.5/114



Right In: 699.342+/-182.841 χ^2/NDF: 37.6/31

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: -1043.464+/-183.893 χ^2/NDF: 66.2/35

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

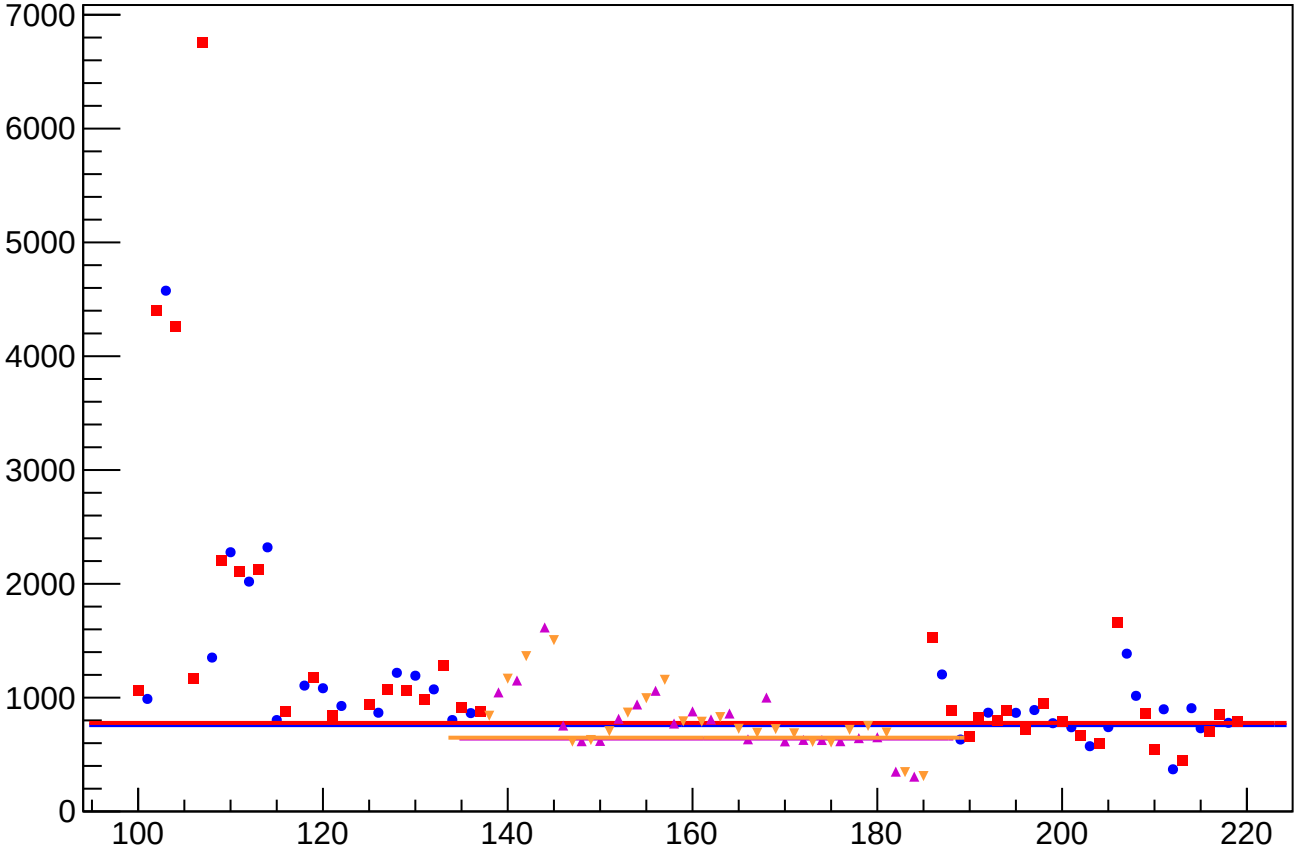
Right: -167.060+/-129.658 χ^2/NDF: 148.9/67

In: 336.400+/-120.267 χ^2/NDF:67.2/54

Out: -264.241+/-120.725 χ^2/NDF:124.5/59

All: 37.221+/-85.203 χ^2/NDF: 204.1/114

asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 758.462+/-0.129 χ^2/NDF: 5082058.4/31

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 777.766+/-0.130 χ^2/NDF: 5896478.7/35

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

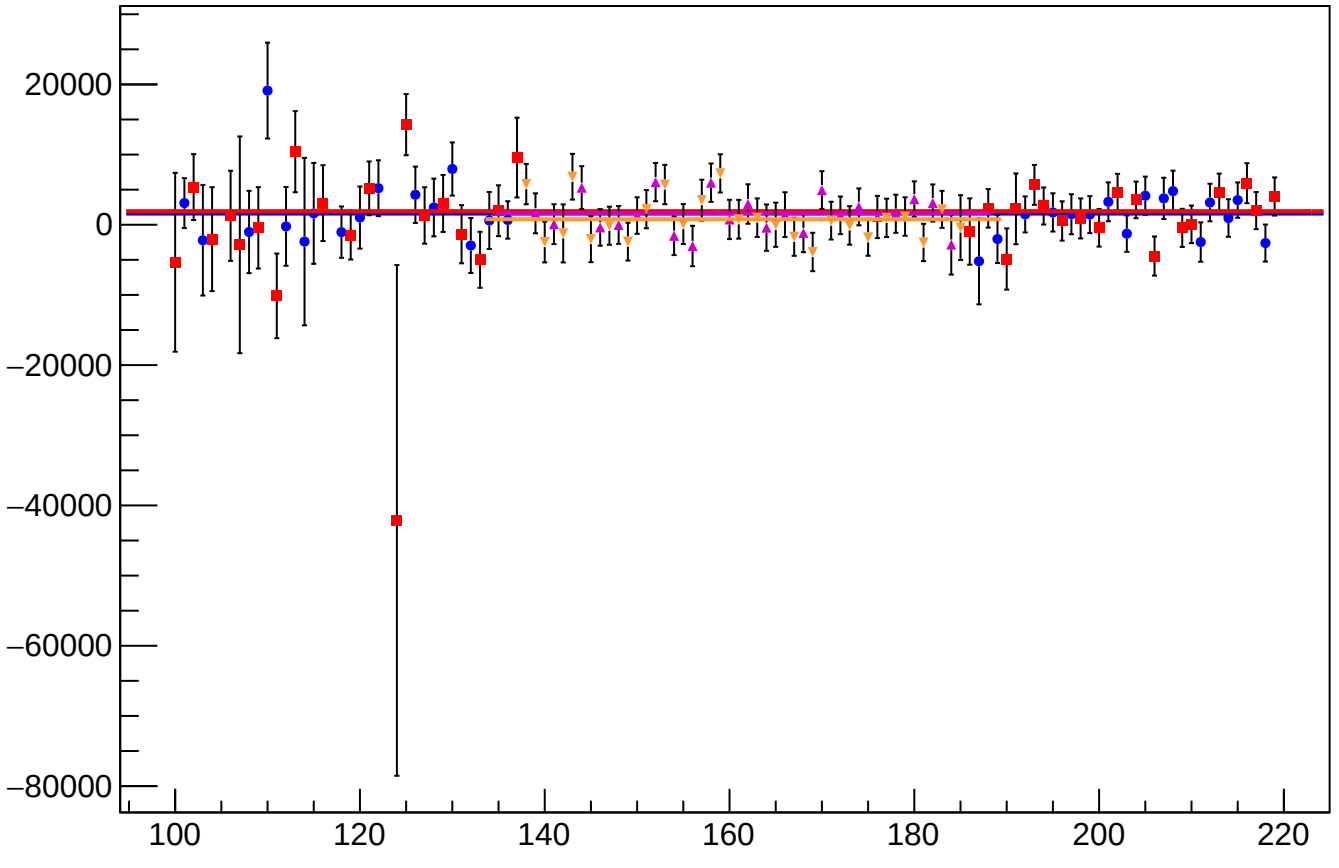
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 768.059+/-0.092 χ^2/NDF: 10989619.8/67

In: 691.493+/-0.085 χ^2/NDF:9683747.4/54

Out: 703.985+/-0.085 χ^2/NDF:10349287.5/59

All: 697.715+/-0.060 χ^2/NDF: 20043781.5/11



Right In: 1594.662+/-590.313 χ^2/NDF: 25.8/31

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 1941.033+/-582.960 χ^2/NDF: 41.8/36

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

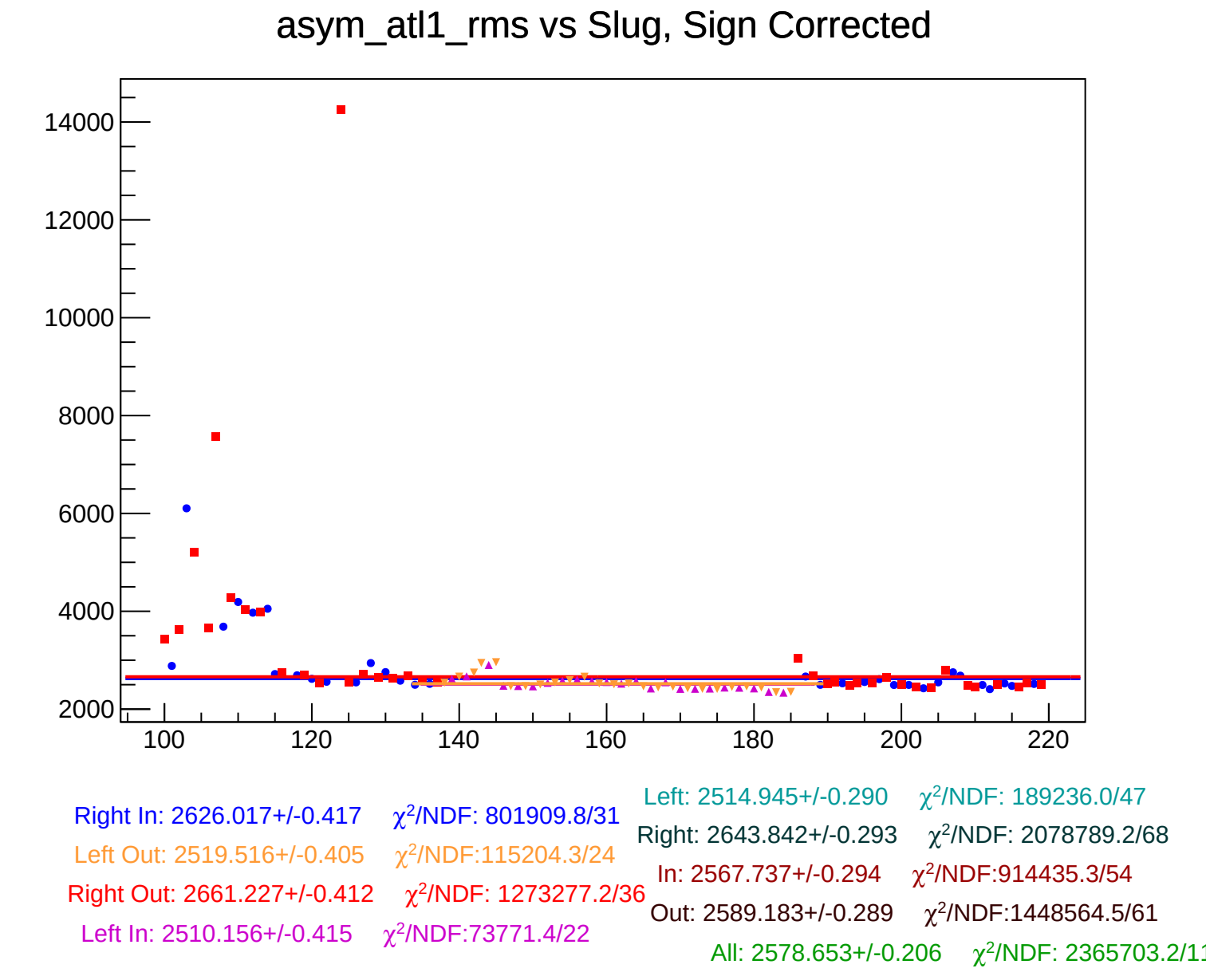
Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

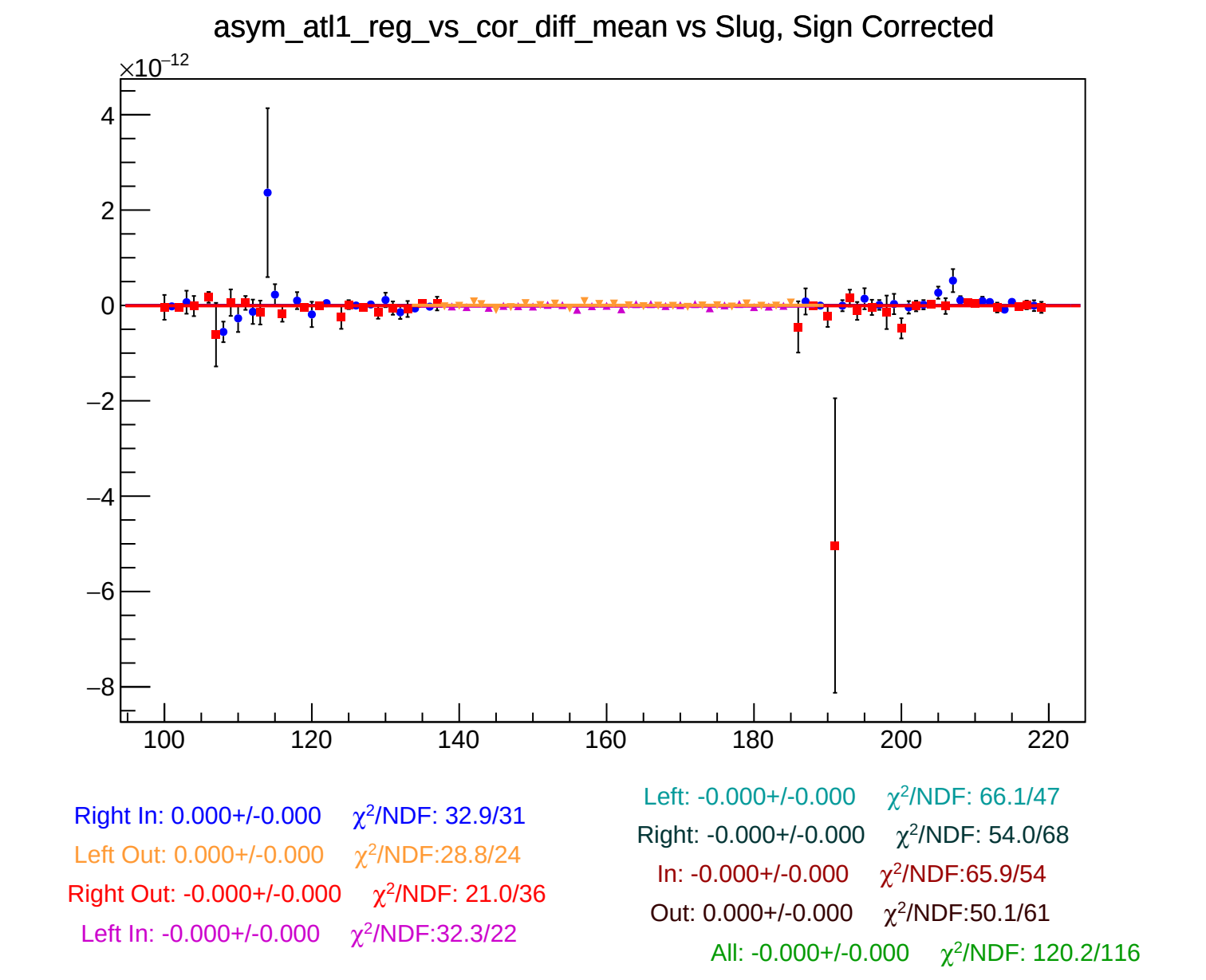
Right: 1770.018+/-414.790 χ^2/NDF: 67.7/68

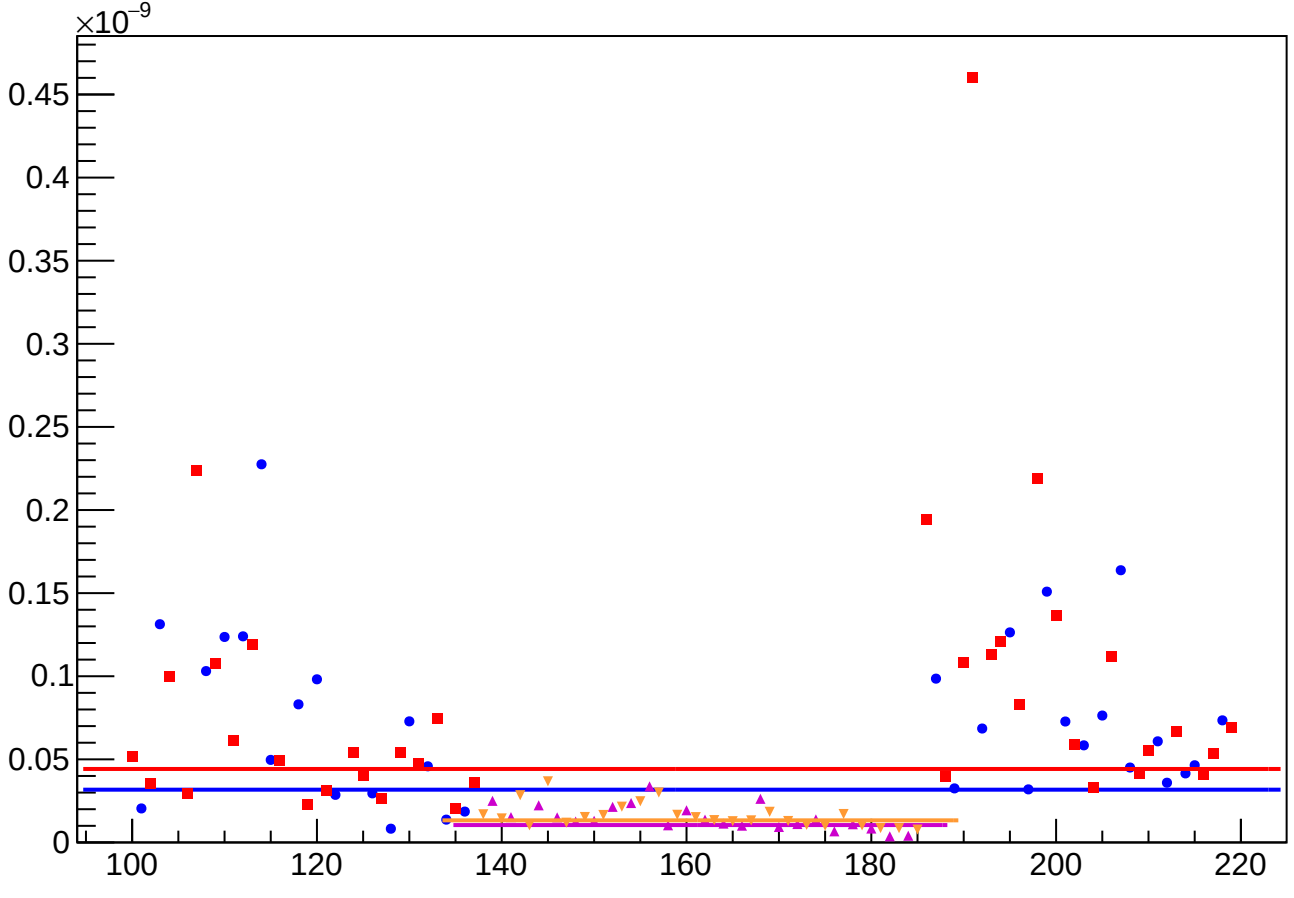
In: 1624.824+/-416.155 χ^2/NDF:43.1/54

Out: 1356.598+/-408.745 χ^2/NDF:70.9/61

All: 1488.302+/-291.611 χ^2/NDF: 114.2/116


asym_atl1_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 2626.017+/-0.417 χ²/NDF: 801909.8/31
Left Out: 2519.516+/-0.405 χ²/NDF:115204.3/24
Right Out: 2661.227+/-0.412 χ²/NDF: 1273277.2/36
Left In: 2510.156+/-0.415 χ²/NDF:73771.4/22
Left: 2514.945+/-0.290 χ²/NDF: 189236.0/47
Right: 2643.842+/-0.293 χ²/NDF: 2078789.2/68
In: 2567.737+/-0.294 χ²/NDF:914435.3/54
Out: 2589.183+/-0.289 χ²/NDF:1448564.5/61
All: 2578.653+/-0.206 χ²/NDF: 2365703.2/11


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: 32.9/31
Left Out: 0.000+/-0.000 χ²/NDF:28.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.0/36
Left In: -0.000+/-0.000 χ²/NDF:32.3/22
Left: -0.000+/-0.000 χ²/NDF: 66.1/47
Right: -0.000+/-0.000 χ²/NDF: 54.0/68
In: -0.000+/-0.000 χ²/NDF:65.9/54
Out: 0.000+/-0.000 χ²/NDF:50.1/61
All: -0.000+/-0.000 χ²/NDF: 120.2/116



Right In: 0.000+/-0.000 χ^2/NDF: 6131998.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4229208.9/36

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

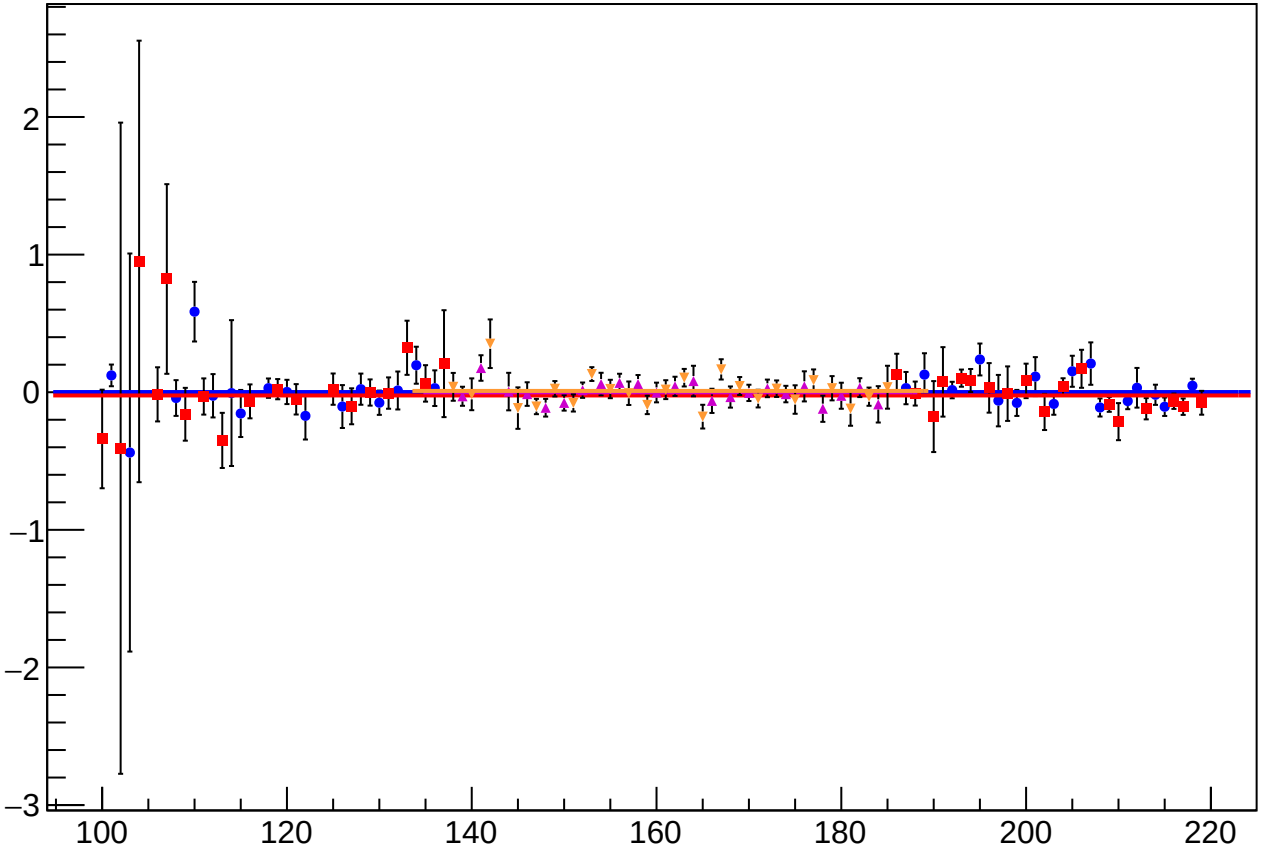
Right: 0.000+/-0.000 χ^2/NDF: 10984691.5/68

In: 0.000+/-0.000 χ^2/NDF:13037053.9/54

Out: 0.000+/-0.000 χ^2/NDF:11537768.7/61

All: 0.000+/-0.000 χ^2/NDF: 25029442.6/116

asym_atl1_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.017 χ^2/NDF: 34.1/31

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.023+/-0.017 χ^2/NDF: 30.7/35

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

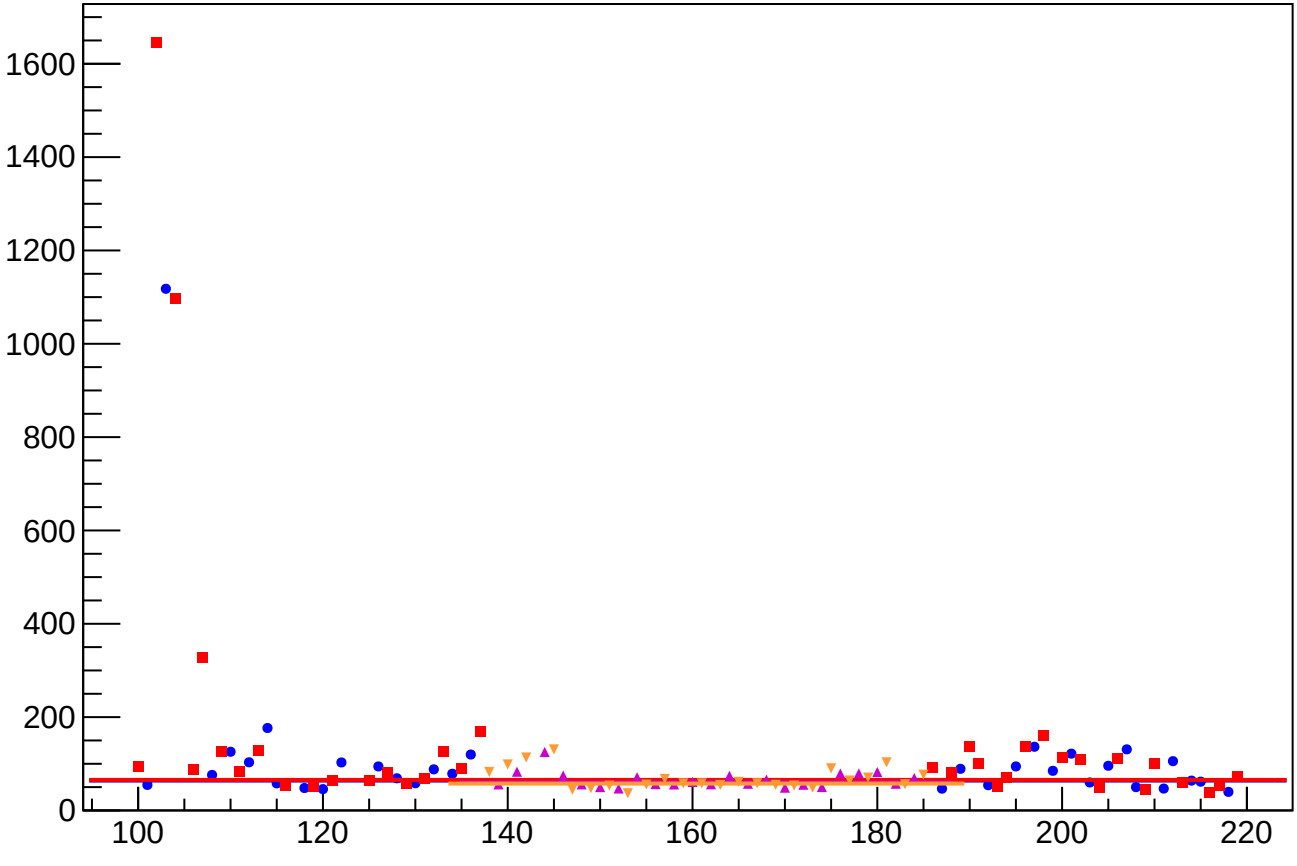
Right: -0.011+/-0.012 χ^2/NDF: 65.8/67

In: 0.000+/-0.011 χ^2/NDF:49.7/54

Out: -0.005+/-0.011 χ^2/NDF:67.4/59

All: -0.002+/-0.008 χ^2/NDF: 117.2/114

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 64.054+/-0.012 χ^2/NDF: 4757501.1/31

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 65.426+/-0.012 χ^2/NDF: 6112221.1/35

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

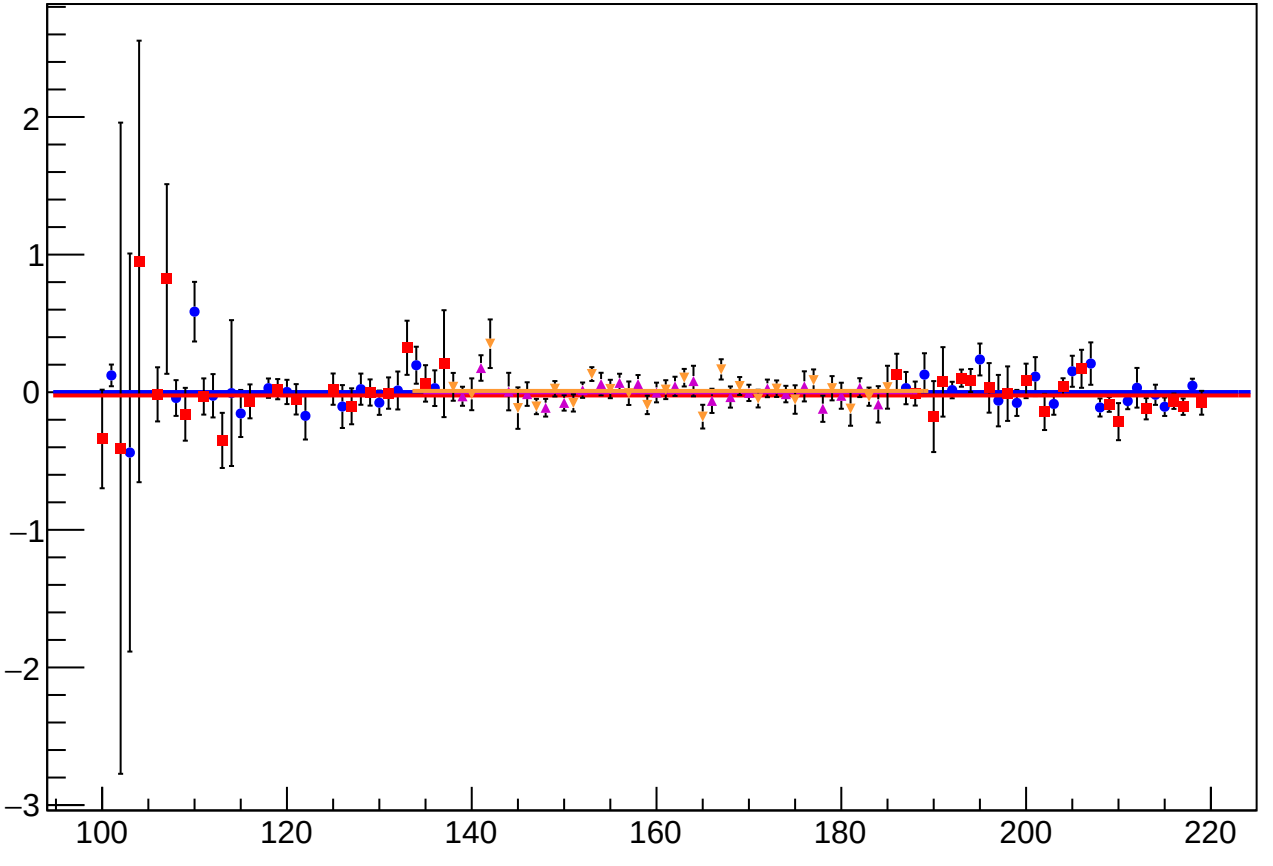
Right: 64.728+/-0.009 χ^2/NDF: 10876017.4/67

In: 61.727+/-0.008 χ^2/NDF:6165078.3/54

Out: 60.959+/-0.008 χ^2/NDF:8555157.5/59

All: 61.340+/-0.006 χ^2/NDF: 14724725.3/114

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.017 χ^2/NDF: 34.1/31

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.023+/-0.017 χ^2/NDF: 30.7/35

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

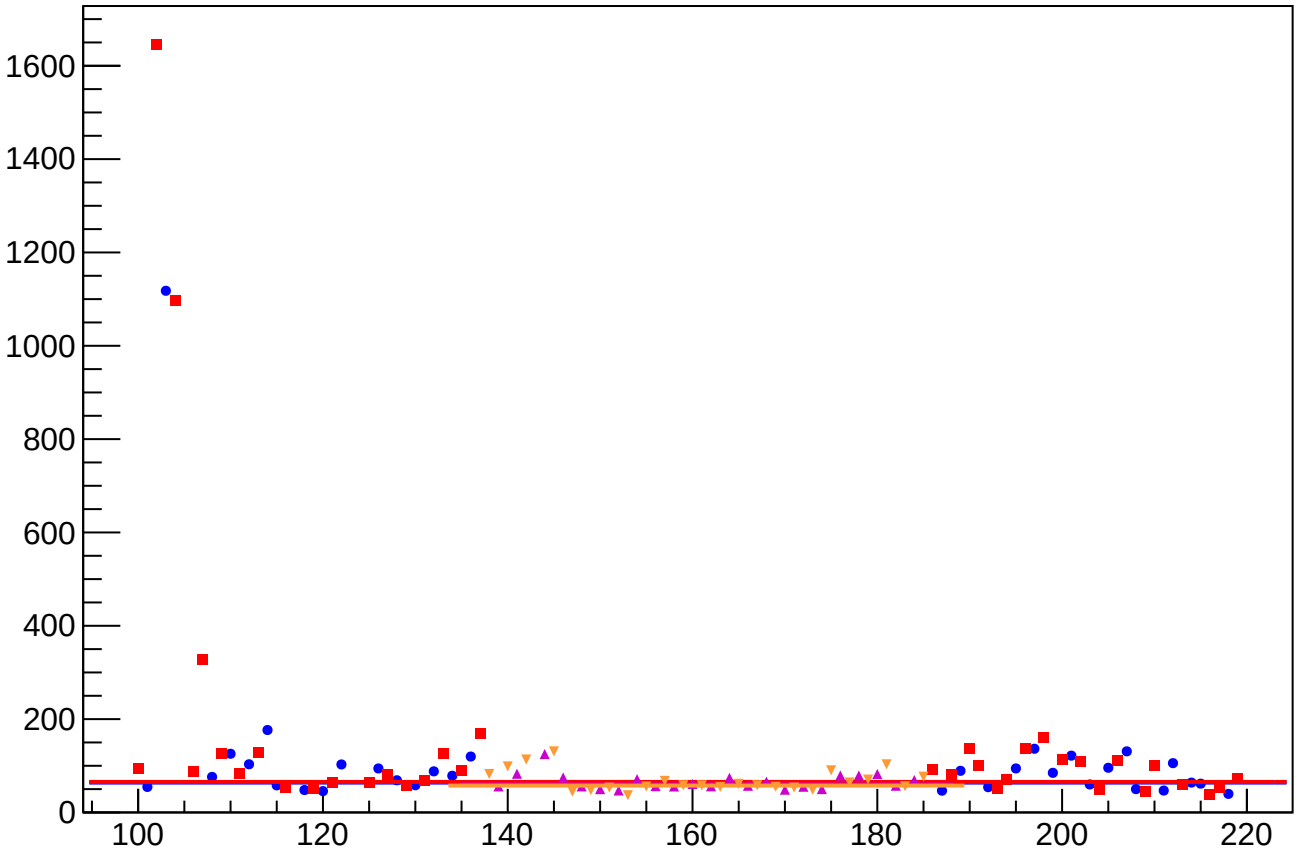
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.011+/-0.012 χ^2/NDF: 65.8/67

In: 0.000+/-0.011 χ^2/NDF:49.7/54

Out: -0.005+/-0.011 χ^2/NDF:67.4/59

All: -0.002+/-0.008 χ^2/NDF: 117.2/114



Right In: 64.054+/-0.012 χ^2/NDF: 4757501.1/31

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 65.426+/-0.012 χ^2/NDF: 6112221.1/35

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

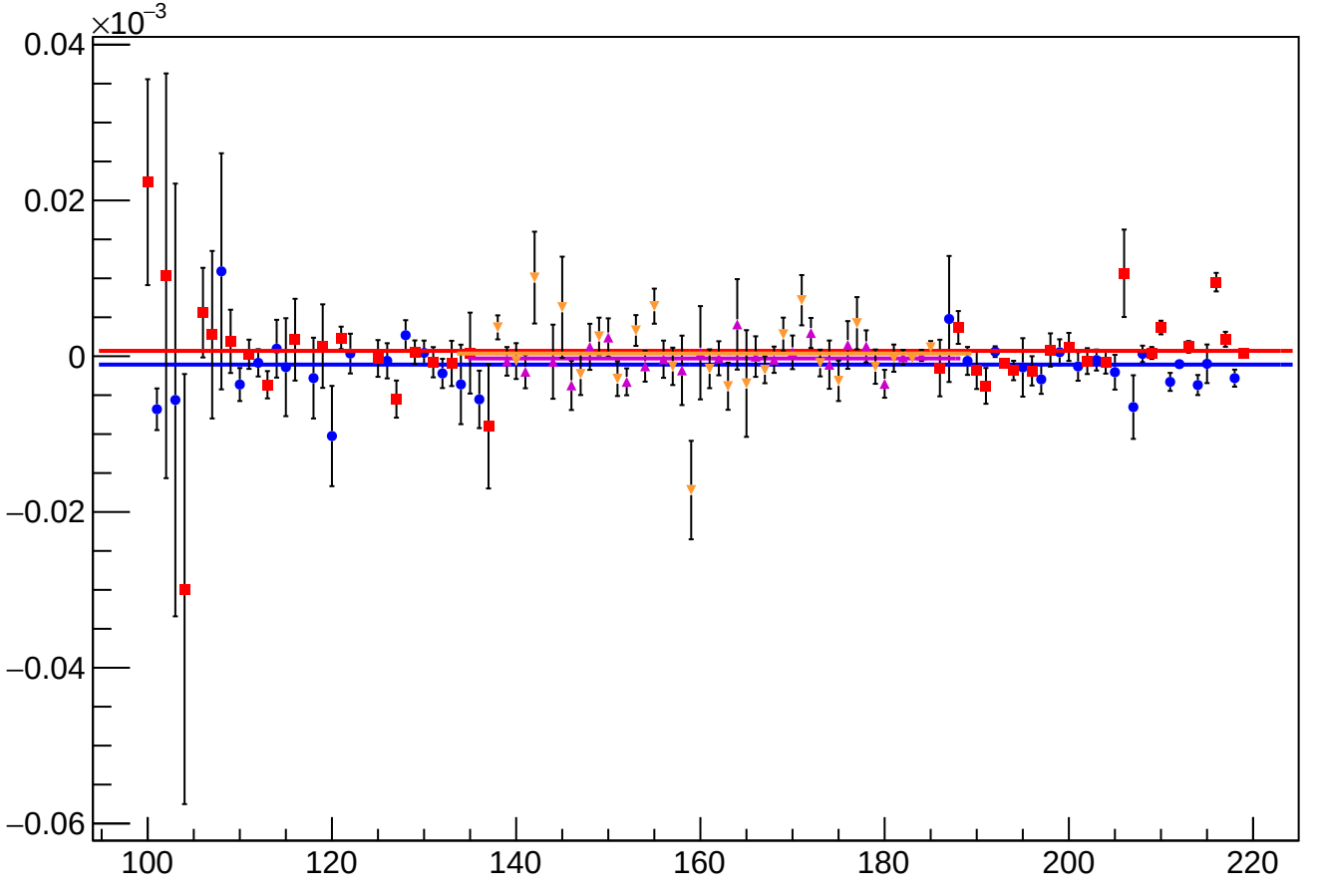
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 64.728+/-0.009 χ^2/NDF: 10876017.4/67

In: 61.727+/-0.008 χ^2/NDF:6165078.3/54

Out: 60.959+/-0.008 χ^2/NDF:8555157.5/59

All: 61.340+/-0.006 χ^2/NDF: 14724725.3/114



Right In: -0.000+/-0.000 χ^2/NDF: 39.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 117.5/35

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

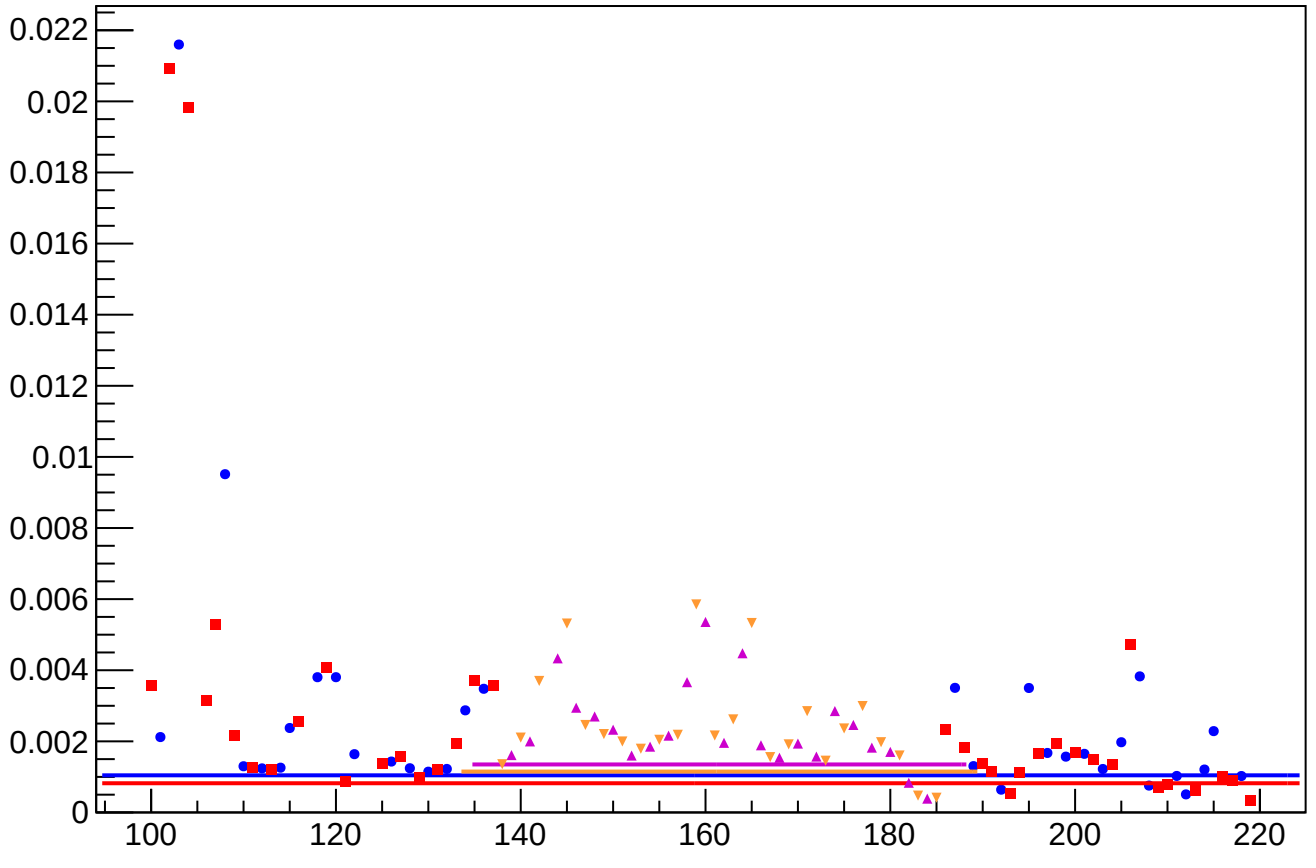
Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

Right: -0.000+/-0.000 χ^2/NDF: 180.4/67

In: -0.000+/-0.000 χ^2/NDF:56.6/54

Out: 0.000+/-0.000 χ^2/NDF:164.9/59

All: 0.000+/-0.000 χ^2/NDF: 243.6/114



Right In: 0.001+/-0.000 χ^2/NDF: 10564993.8/31

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 12823650.6/35

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

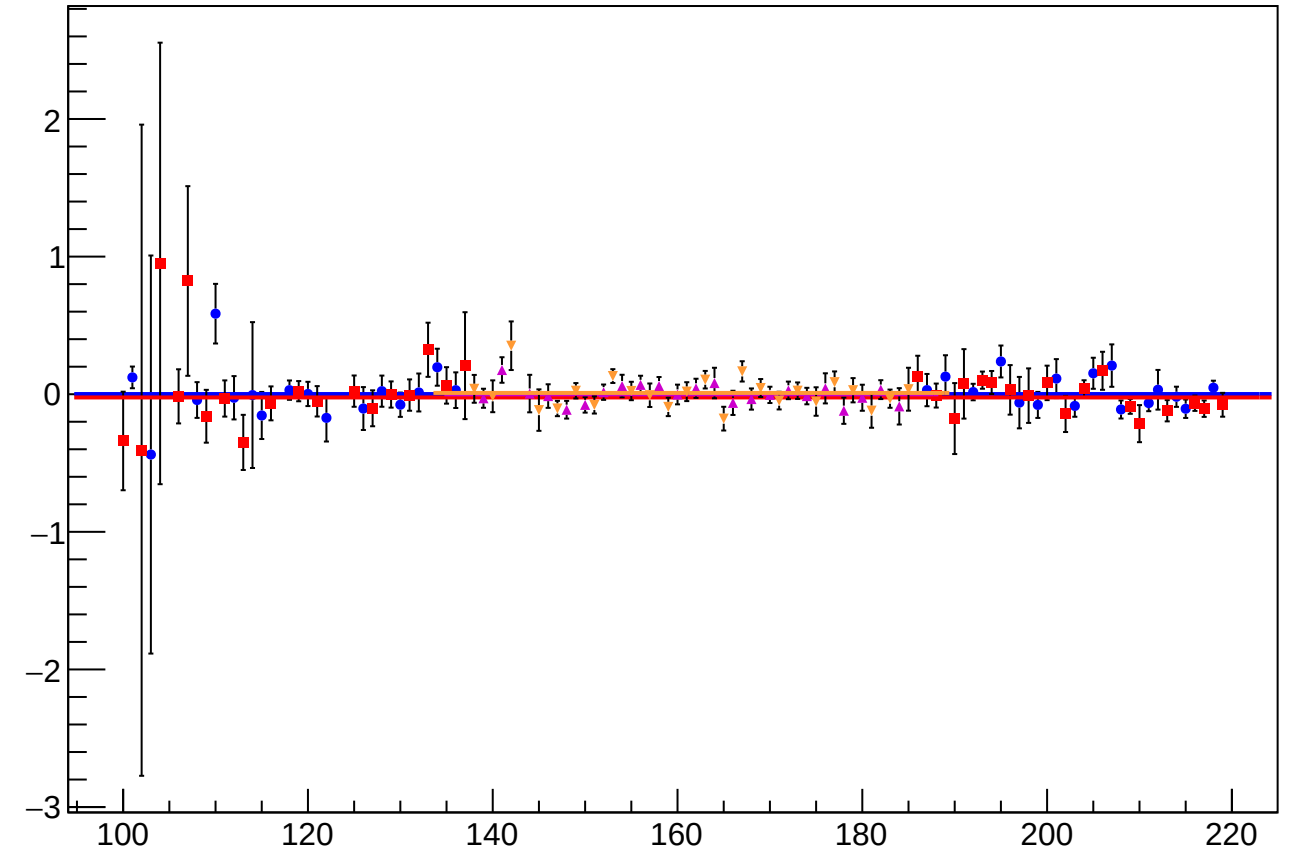
Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

Right: 0.001+/-0.000 χ^2/NDF: 24153257.3/67

In: 0.001+/-0.000 χ^2/NDF:21643076.2/54

Out: 0.001+/-0.000 χ^2/NDF:27349429.5/59

All: 0.001+/-0.000 χ^2/NDF: 50208395.4/114



Right In: 0.001+/-0.017 χ^2/NDF: 34.1/31

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.023+/-0.017 χ^2/NDF: 30.7/35

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

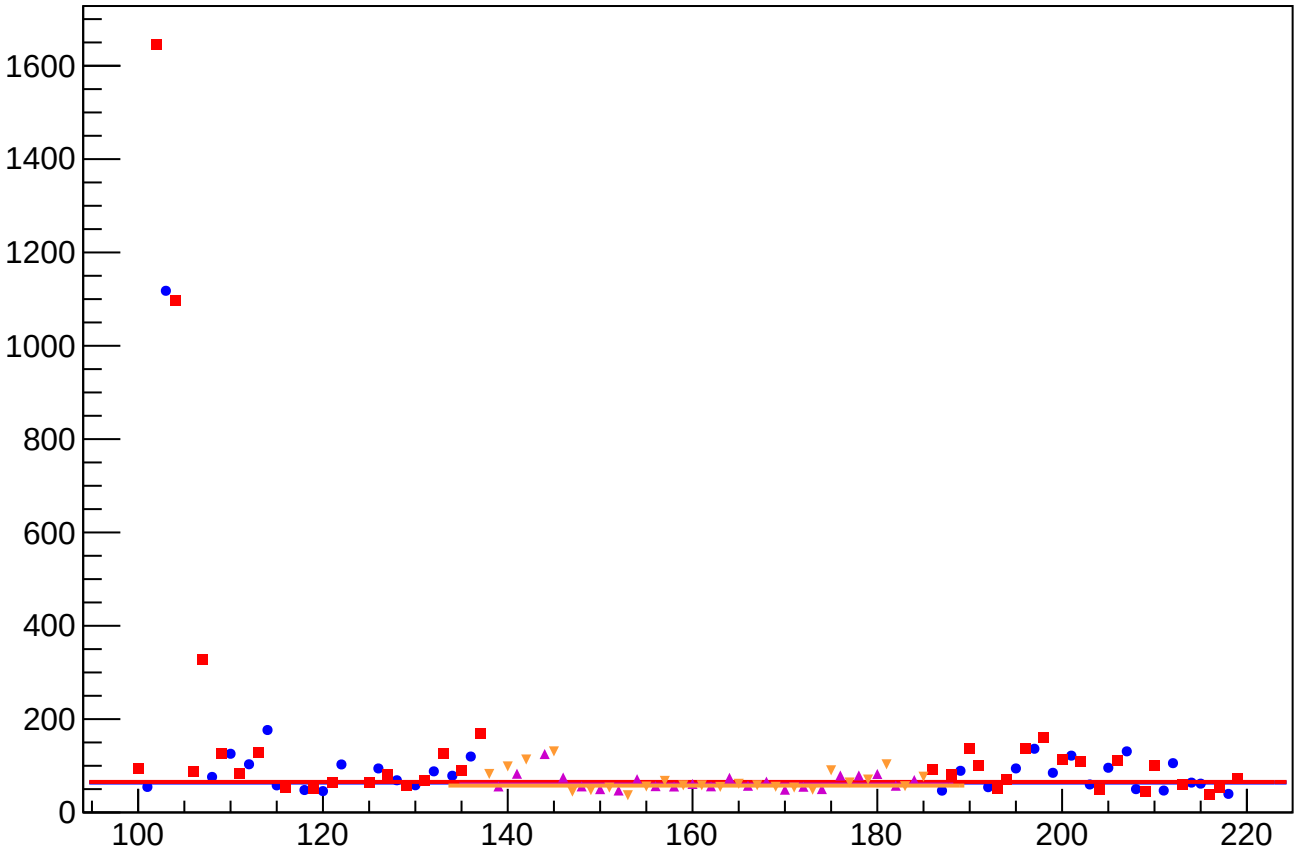
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.011+/-0.012 χ^2/NDF: 65.8/67

In: 0.000+/-0.011 χ^2/NDF:49.7/54

Out: -0.005+/-0.011 χ^2/NDF:67.4/59

All: -0.002+/-0.008 χ^2/NDF: 117.2/114



Right In: 64.053+/-0.012 χ^2/NDF: 4757653.1/31

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 65.426+/-0.012 χ^2/NDF: 6112236.9/35

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

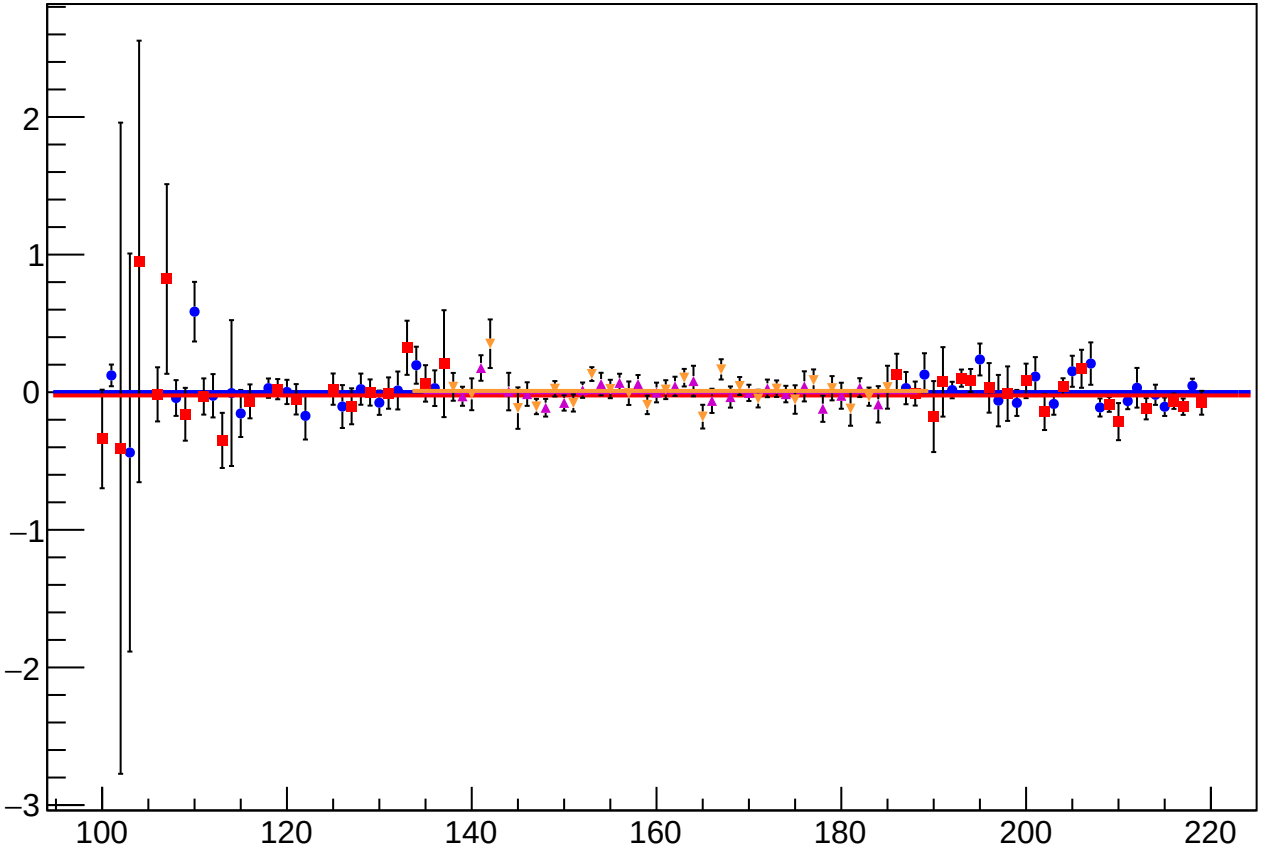
Right: 64.728+/-0.009 χ^2/NDF: 10876189.3/67

In: 61.727+/-0.008 χ^2/NDF:6165196.3/54

Out: 60.959+/-0.008 χ^2/NDF:8555248.9/59

All: 61.340+/-0.006 χ^2/NDF: 14724933.5/114

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.017 χ^2/NDF: 34.1/31

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.023+/-0.017 χ^2/NDF: 30.7/35

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

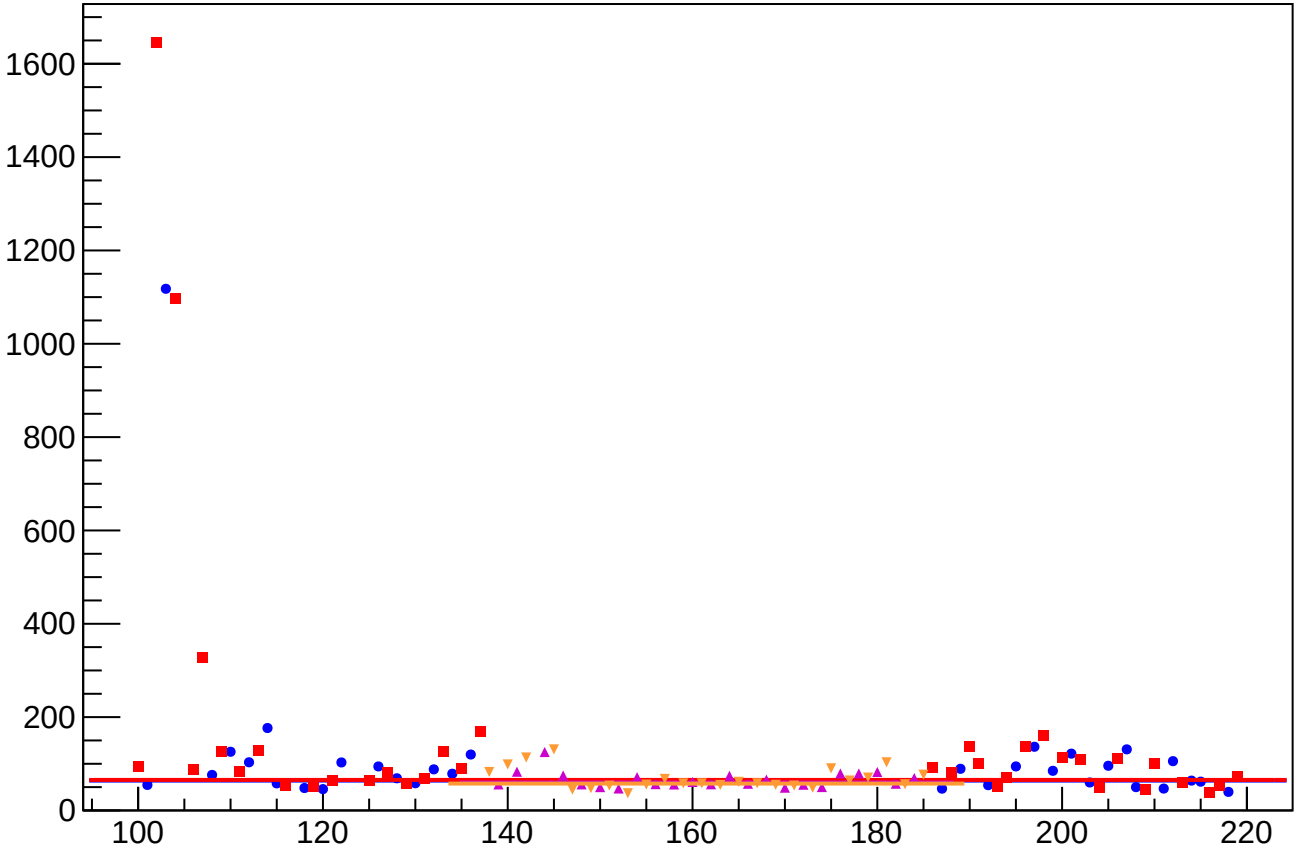
Right: -0.011+/-0.012 χ^2/NDF: 65.8/67

In: 0.000+/-0.011 χ^2/NDF:49.7/54

Out: -0.005+/-0.011 χ^2/NDF:67.4/59

All: -0.002+/-0.008 χ^2/NDF: 117.2/114

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 64.053+/-0.012 χ^2/NDF: 4757653.1/31

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 65.426+/-0.012 χ^2/NDF: 6112236.9/35

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

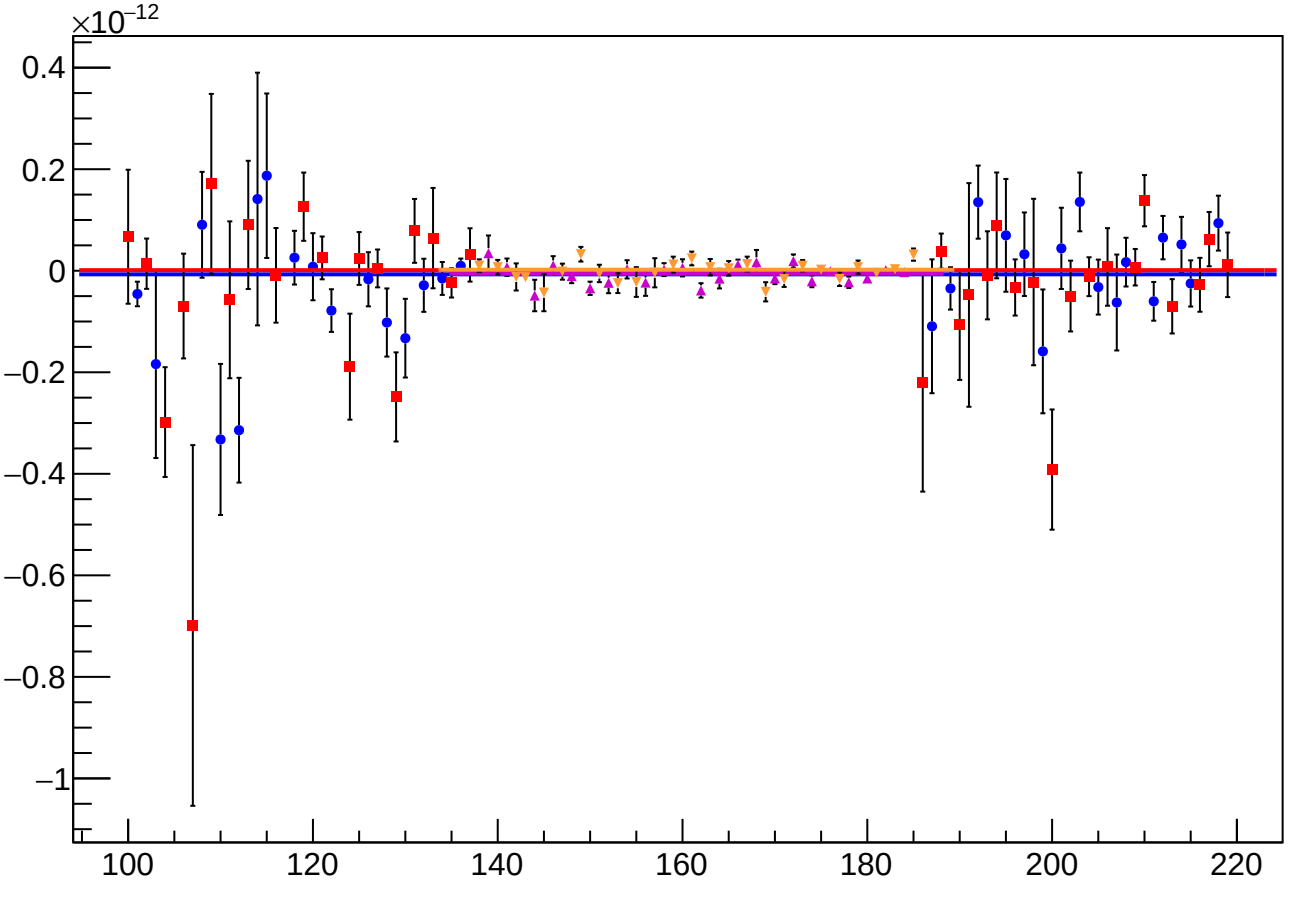
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 64.728+/-0.009 χ^2/NDF: 10876189.3/67

In: 61.727+/-0.008 χ^2/NDF:6165196.3/54

Out: 60.959+/-0.008 χ^2/NDF:8555248.9/59

All: 61.340+/-0.006 χ^2/NDF: 14724933.5/114



Right In: -0.000+/-0.000 χ^2/NDF: 53.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 59.2/36

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

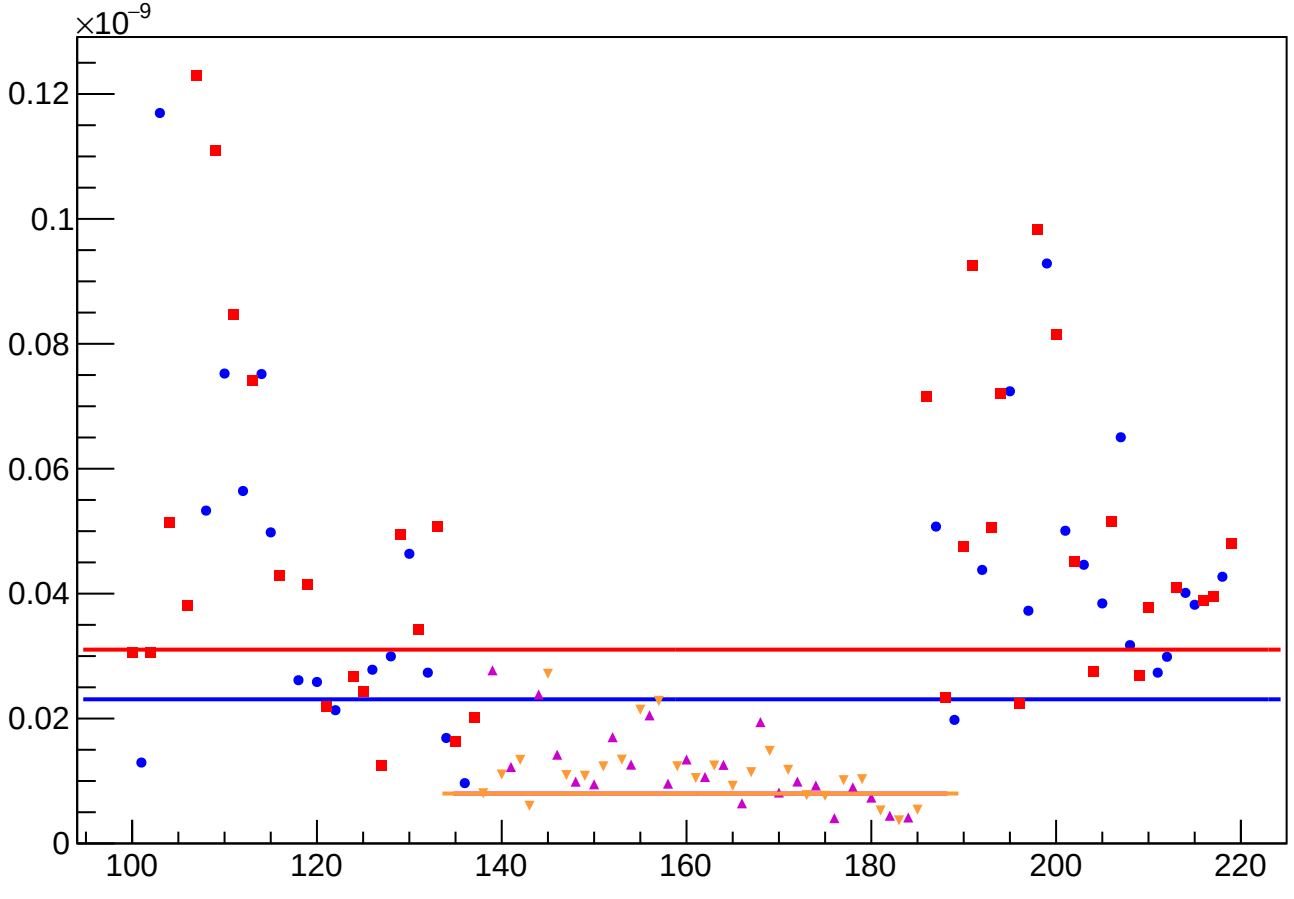
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 113.0/68

In: -0.000+/-0.000 χ^2/NDF:86.0/54

Out: 0.000+/-0.000 χ^2/NDF:91.1/61

All: -0.000+/-0.000 χ^2/NDF: 182.5/116



Right In: 0.000+/-0.000 χ^2/NDF: 6930977.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4721831.0/36

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

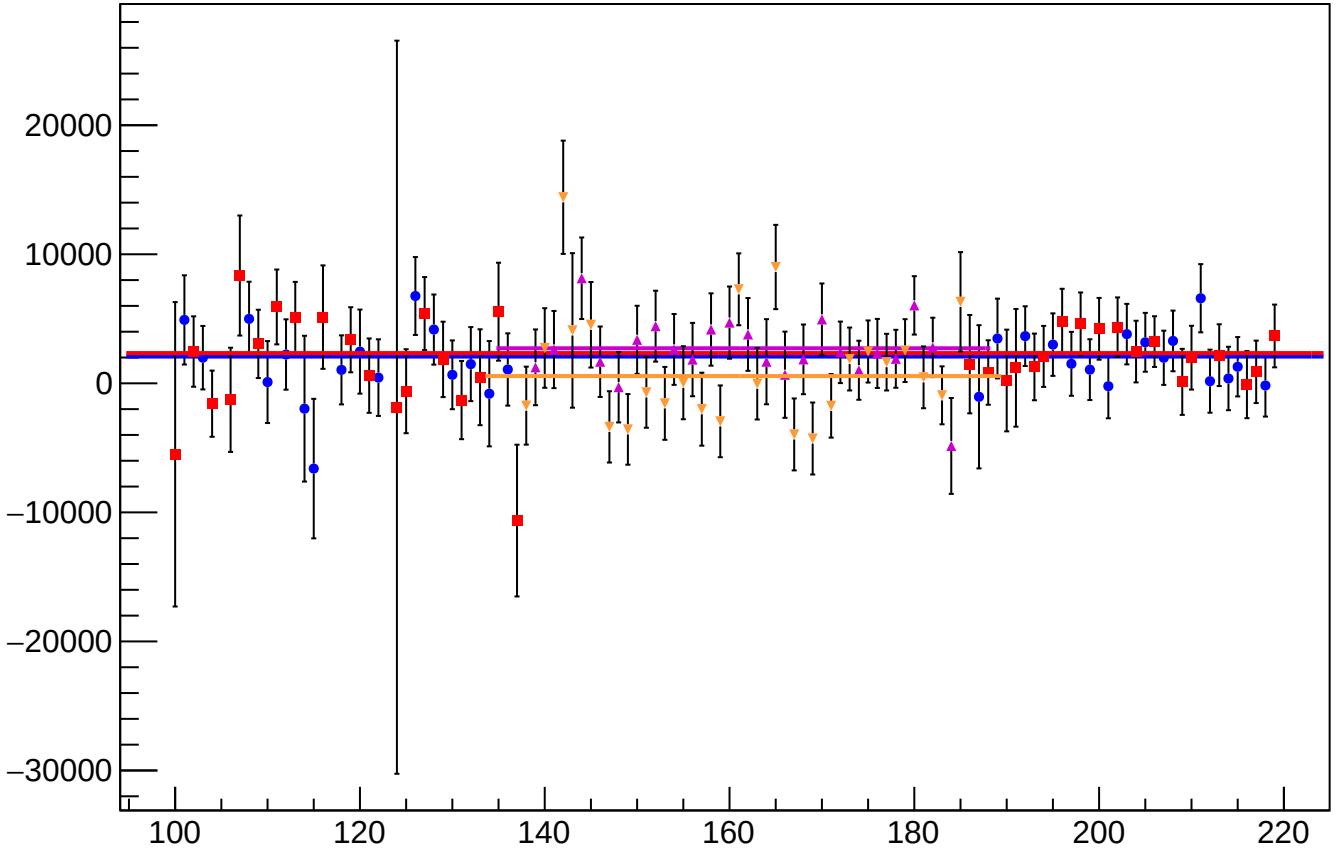
Right: 0.000+/-0.000 χ^2/NDF: 12412947.7/68

In: 0.000+/-0.000 χ^2/NDF:18303102.1/54

Out: 0.000+/-0.000 χ^2/NDF:19692363.6/61

All: 0.000+/-0.000 χ^2/NDF: 37995466.7/116

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2074.481+/-480.563 χ^2/NDF: 17.9/31

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: 2345.062+/-470.119 χ^2/NDF: 24.9/36

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

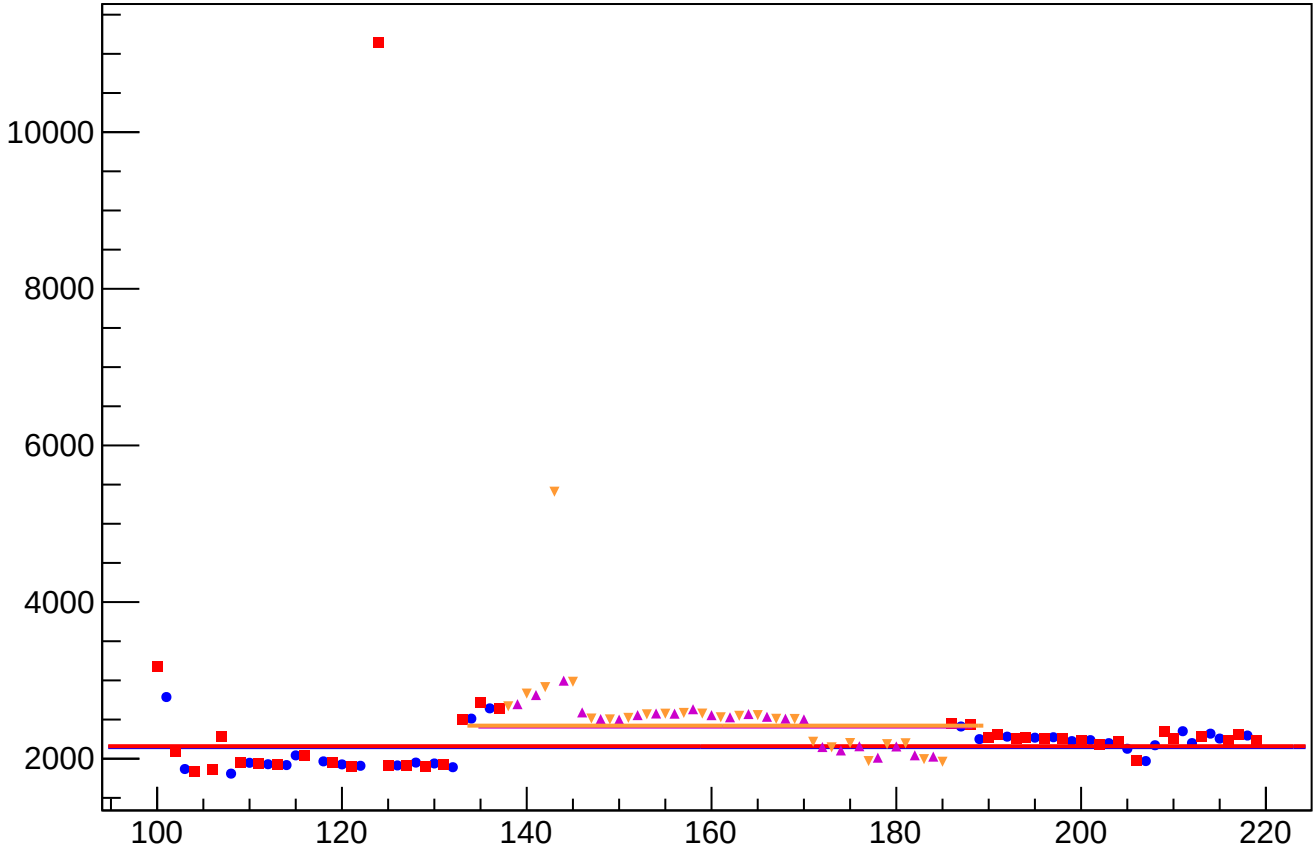
Right: 2212.744+/-336.056 χ^2/NDF: 42.9/68

In: 2343.189+/-366.386 χ^2/NDF:32.9/54

Out: 1603.938+/-359.345 χ^2/NDF:74.8/61

All: 1966.392+/-256.548 χ^2/NDF: 109.8/116

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2148.082+/-0.340 χ^2/NDF: 385758.1/31

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2159.912+/-0.332 χ^2/NDF: 563551.3/36

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

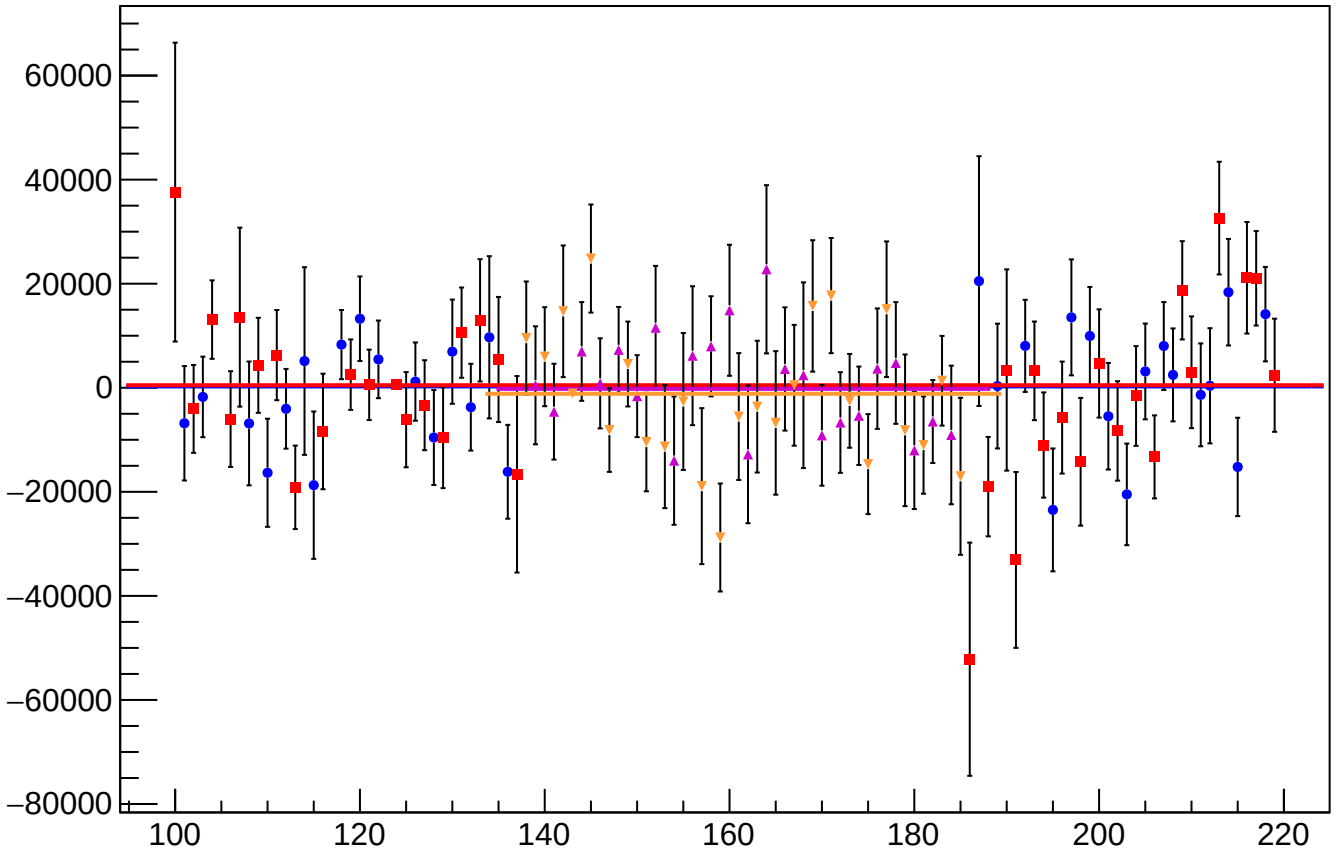
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2154.127+/-0.238 χ^2/NDF: 949928.7/68

In: 2257.680+/-0.259 χ^2/NDF:1062548.0/54

Out: 2268.935+/-0.254 χ^2/NDF:1775129.6/61

All: 2263.417+/-0.181 χ^2/NDF: 2838639.5/11



Right In: 255.914+/-1689.863 χ^2/NDF: 37.6/31

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: 489.714+/-734.437 χ^2/NDF: 60.7/36

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

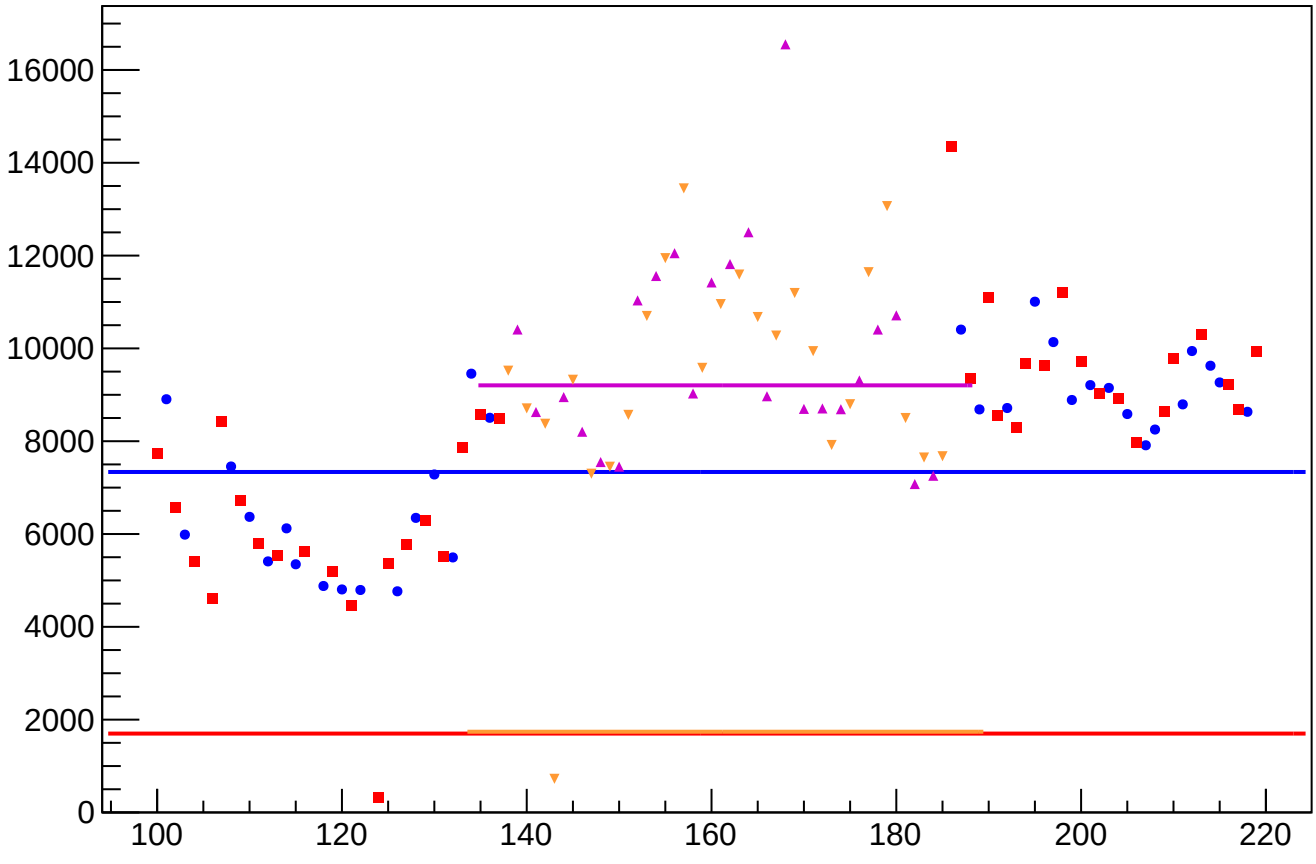
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: 452.568+/-673.572 χ^2/NDF: 98.4/68

In: 82.665+/-1339.026 χ^2/NDF:51.1/54

Out: -308.459+/-527.391 χ^2/NDF:95.1/61

All: -255.934+/-490.702 χ^2/NDF: 146.2/116



Right In: 7337.005+/-1.195 χ^2/NDF: 2480040.7/31

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1699.653+/-0.519 χ^2/NDF: 31899830.6/36

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

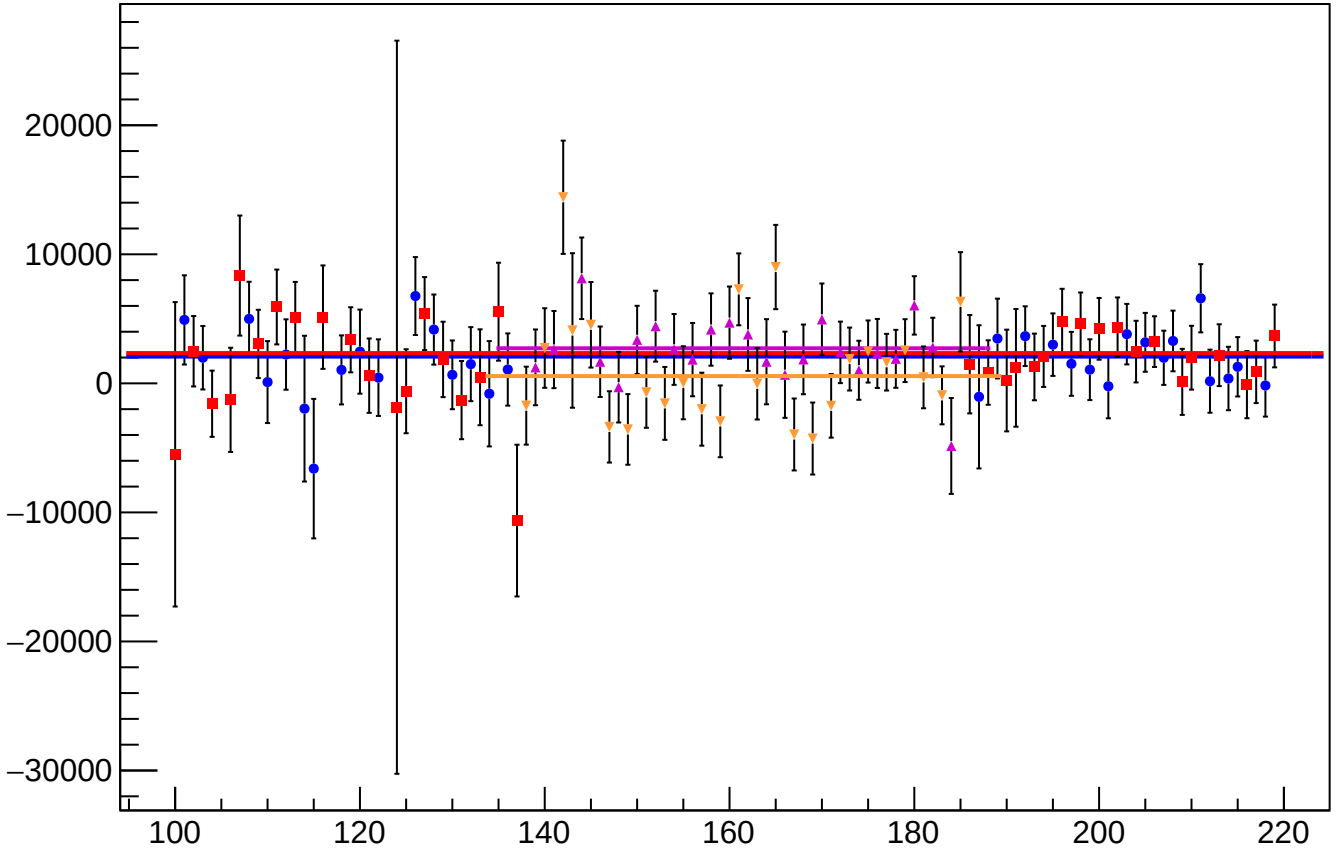
Right: 2595.307+/-0.476 χ^2/NDF: 53101171.4/68

In: 8031.666+/-0.947 χ^2/NDF:4660317.3/54

Out: 1719.046+/-0.373 χ^2/NDF:59636755.6/61

All: 2566.794+/-0.347 χ^2/NDF: 102777656.9

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2074.450+/-480.563 χ^2/NDF: 17.9/31

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2345.780+/-470.121 χ^2/NDF: 24.9/36

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

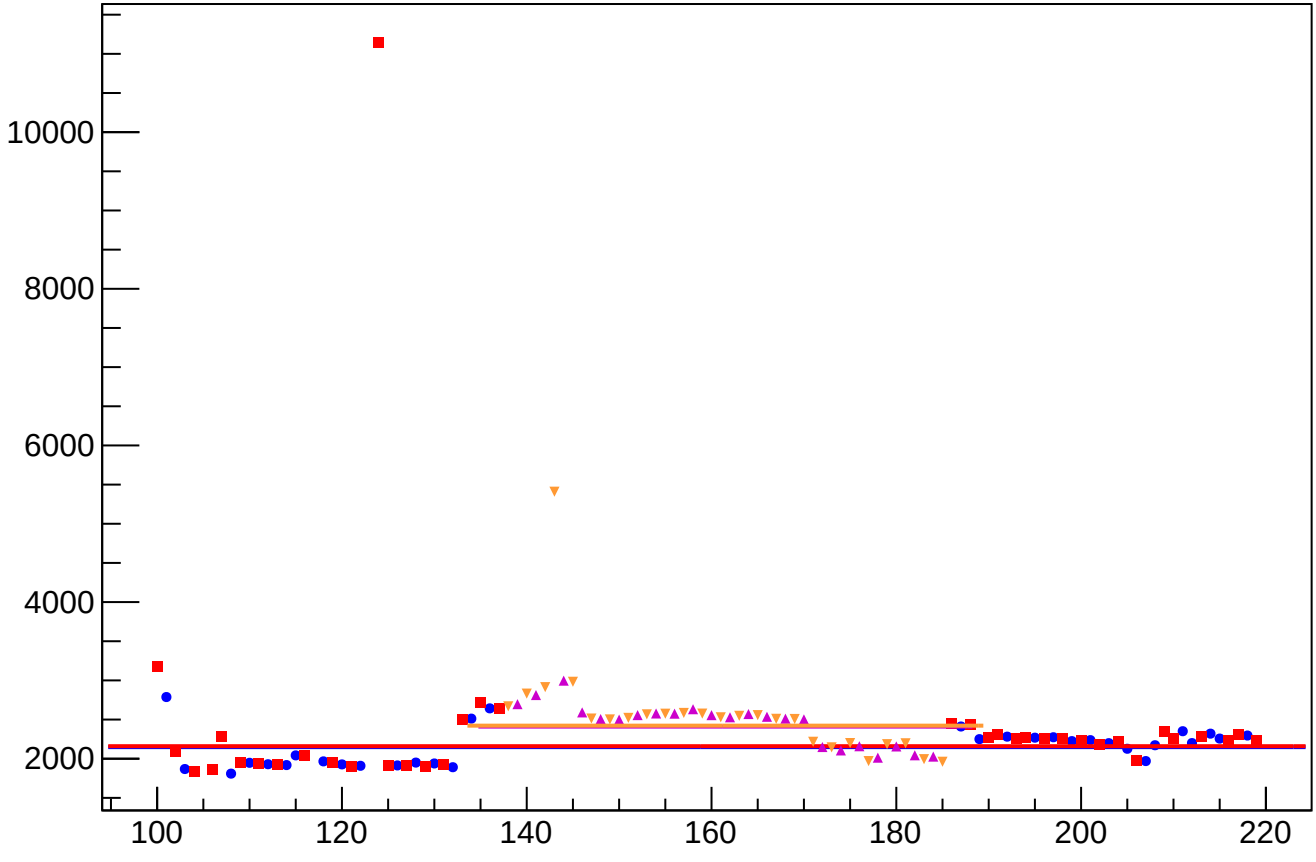
Right: 2213.095+/-336.057 χ^2/NDF: 42.9/68

In: 2343.155+/-366.386 χ^2/NDF:32.9/54

Out: 1604.355+/-359.346 χ^2/NDF:74.8/61

All: 1966.589+/-256.549 χ^2/NDF: 109.8/116

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2148.082+/-0.340 χ^2/NDF: 385758.0/31

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2159.922+/-0.332 χ^2/NDF: 563540.8/36

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

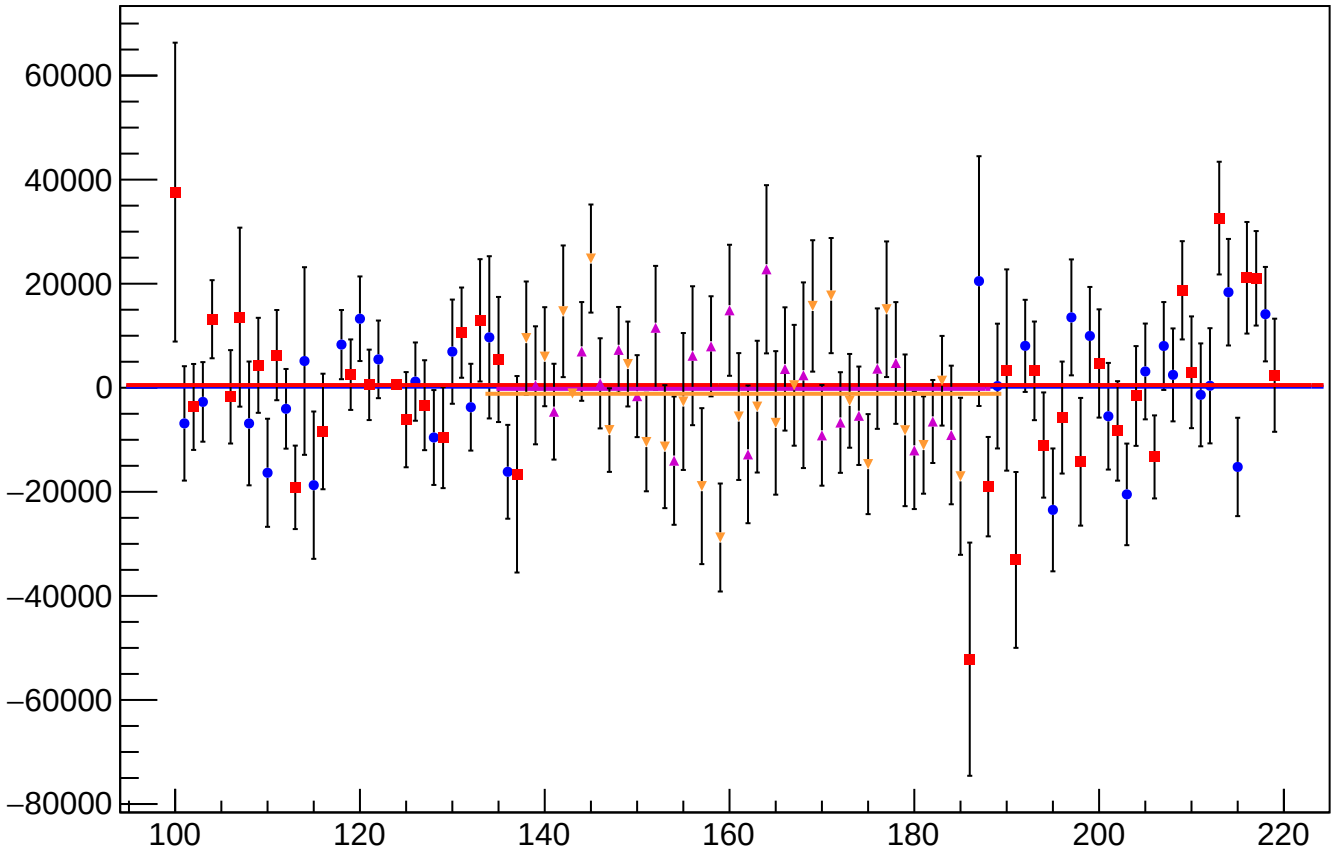
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2154.132+/-0.238 χ^2/NDF: 949919.2/68

In: 2257.680+/-0.259 χ^2/NDF:1062548.0/54

Out: 2268.941+/-0.254 χ^2/NDF:1775099.7/61

All: 2263.420+/-0.181 χ^2/NDF: 2838610.8/11



Right In: 206.366+/-1688.903 χ^2/NDF: 37.7/31

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 520.168+/-734.141 χ^2/NDF: 60.3/36

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

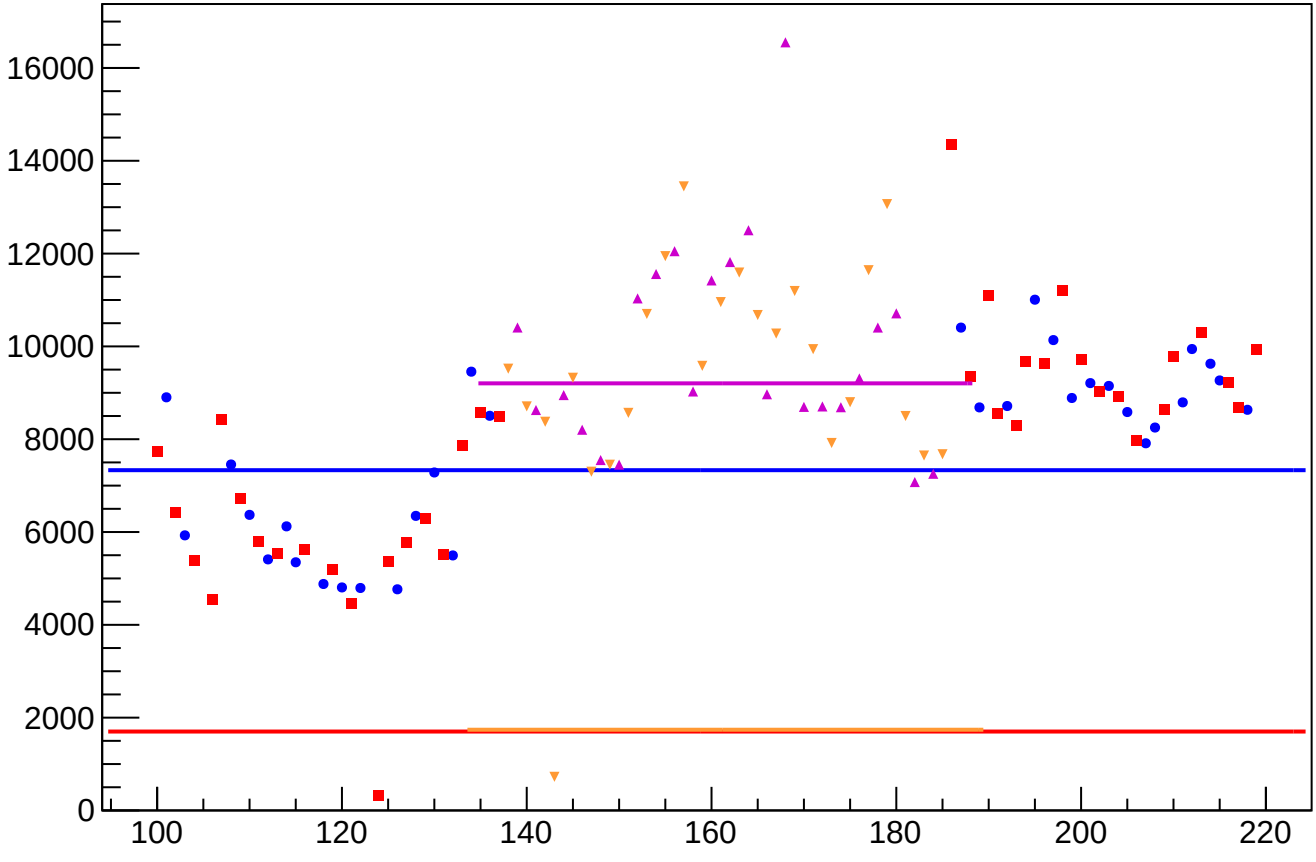
Right: 470.297+/-673.283 χ^2/NDF: 98.1/68

In: 51.723+/-1338.547 χ^2/NDF:51.1/54

Out: -292.373+/-527.259 χ^2/NDF:94.8/61

All: -246.154+/-490.572 χ^2/NDF: 146.0/116

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 7332.597+/-1.194 χ^2/NDF: 2486897.8/31

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1700.654+/-0.519 χ^2/NDF: 31889133.3/36

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

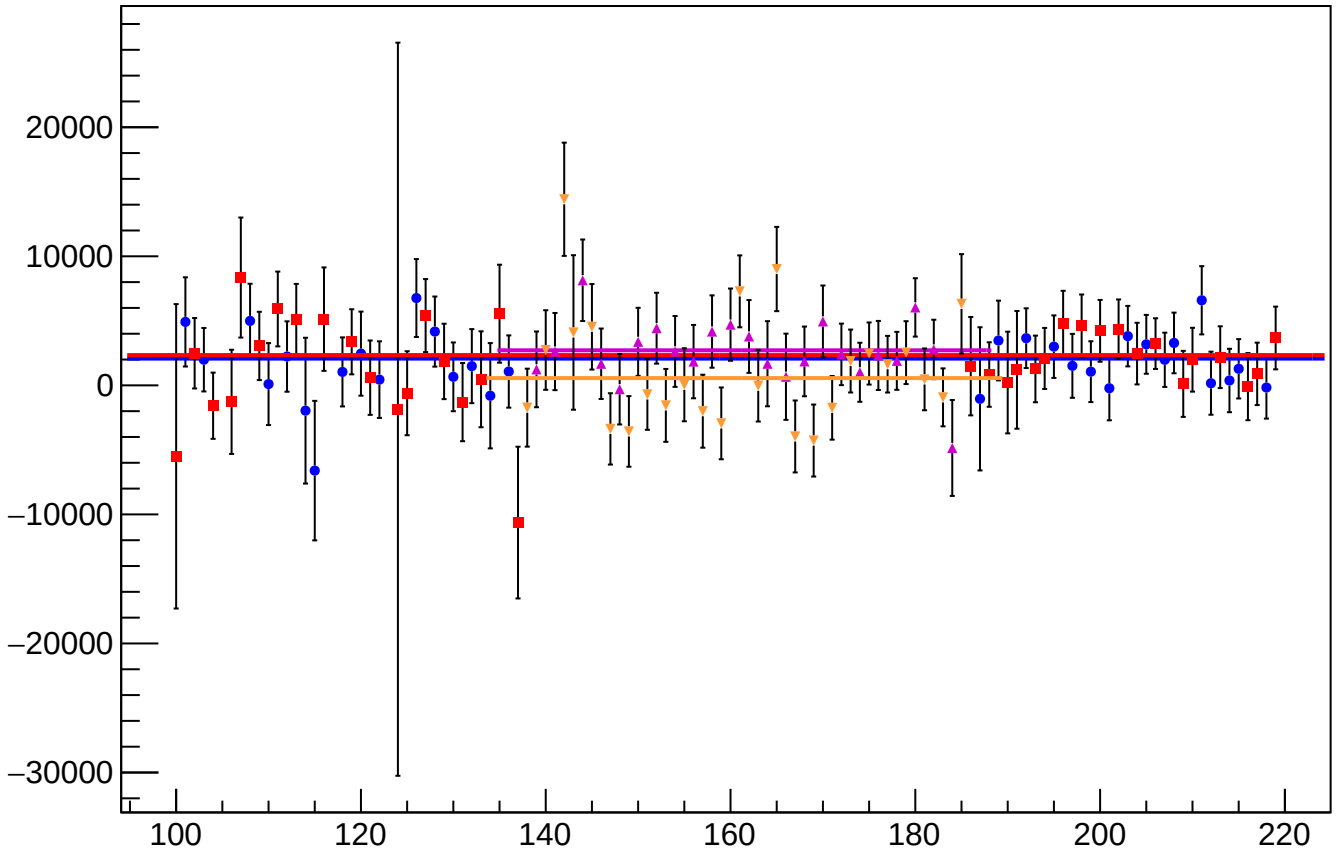
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 2595.697+/-0.476 χ^2/NDF: 53081702.4/68

In: 8028.397+/-0.946 χ^2/NDF:4671855.9/54

Out: 1719.442+/-0.373 χ^2/NDF:59626930.8/61

All: 2566.856+/-0.347 χ^2/NDF: 102761076.7



Right In: 2074.450+/-480.563 χ^2/NDF: 17.9/31

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2345.780+/-470.121 χ^2/NDF: 24.9/36

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

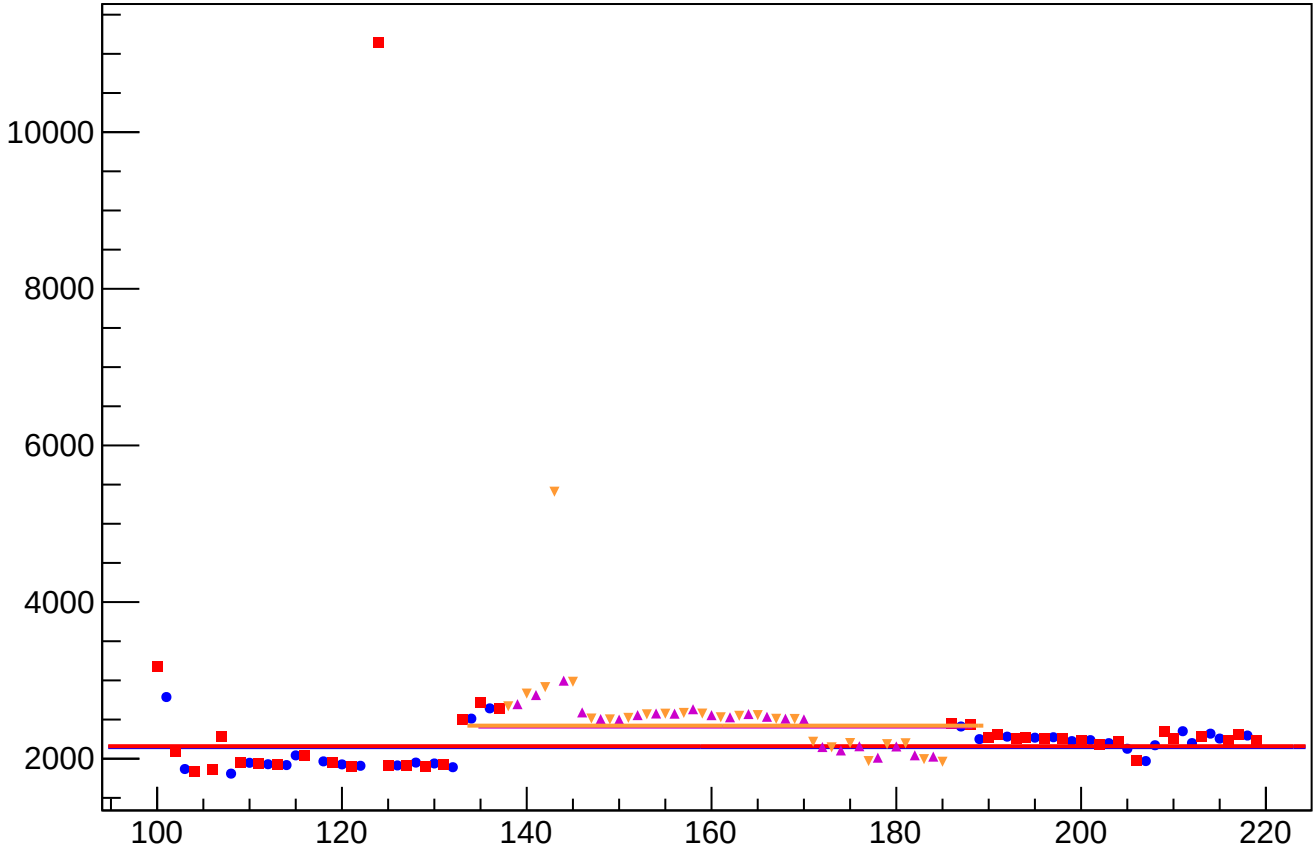
Right: 2213.095+/-336.057 χ^2/NDF: 42.9/68

In: 2343.155+/-366.386 χ^2/NDF:32.9/54

Out: 1604.355+/-359.346 χ^2/NDF:74.8/61

All: 1966.589+/-256.549 χ^2/NDF: 109.8/116

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2148.082+/-0.340 χ^2/NDF: 385758.0/31

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2159.922+/-0.332 χ^2/NDF: 563540.8/36

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

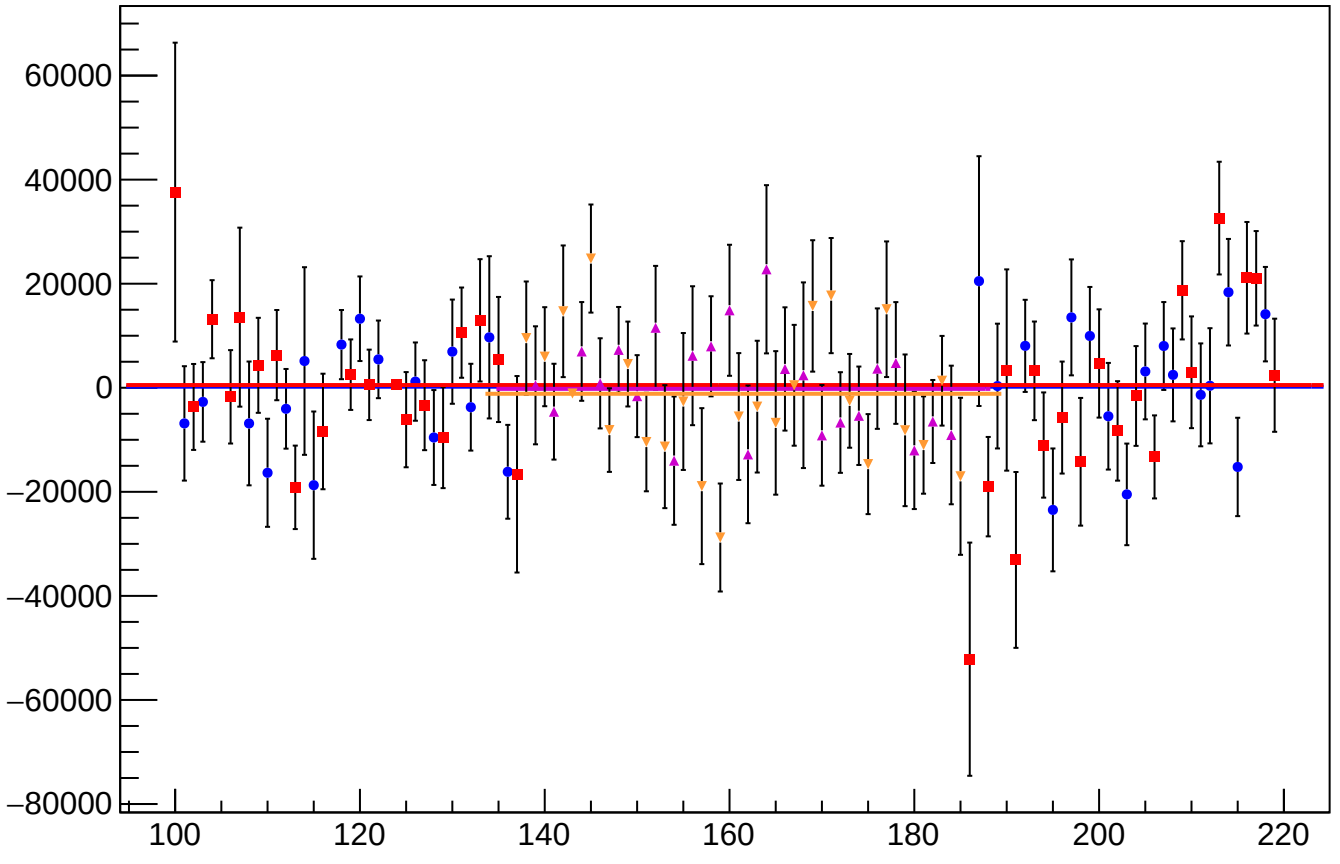
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2154.132+/-0.238 χ^2/NDF: 949919.2/68

In: 2257.680+/-0.259 χ^2/NDF:1062548.0/54

Out: 2268.941+/-0.254 χ^2/NDF:1775099.7/61

All: 2263.420+/-0.181 χ^2/NDF: 2838610.8/11



Right In: 206.366+/-1688.903 χ^2/NDF: 37.7/31

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 520.168+/-734.141 χ^2/NDF: 60.3/36

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

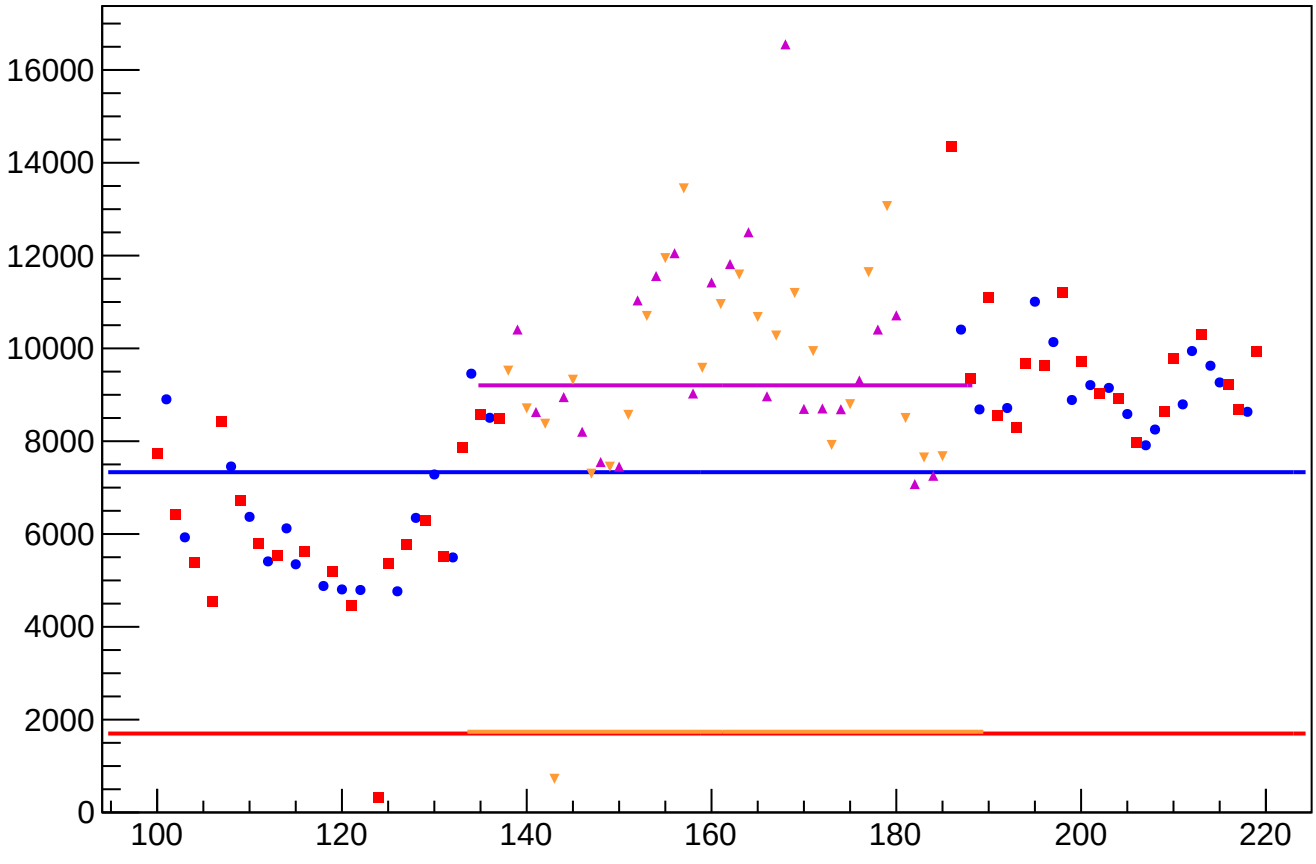
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 470.297+/-673.283 χ^2/NDF: 98.1/68

In: 51.723+/-1338.547 χ^2/NDF:51.1/54

Out: -292.373+/-527.259 χ^2/NDF:94.8/61

All: -246.154+/-490.572 χ^2/NDF: 146.0/116



Right In: 7332.597+/-1.194 χ^2/NDF: 2486897.8/31

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1700.654+/-0.519 χ^2/NDF: 31889133.3/36

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

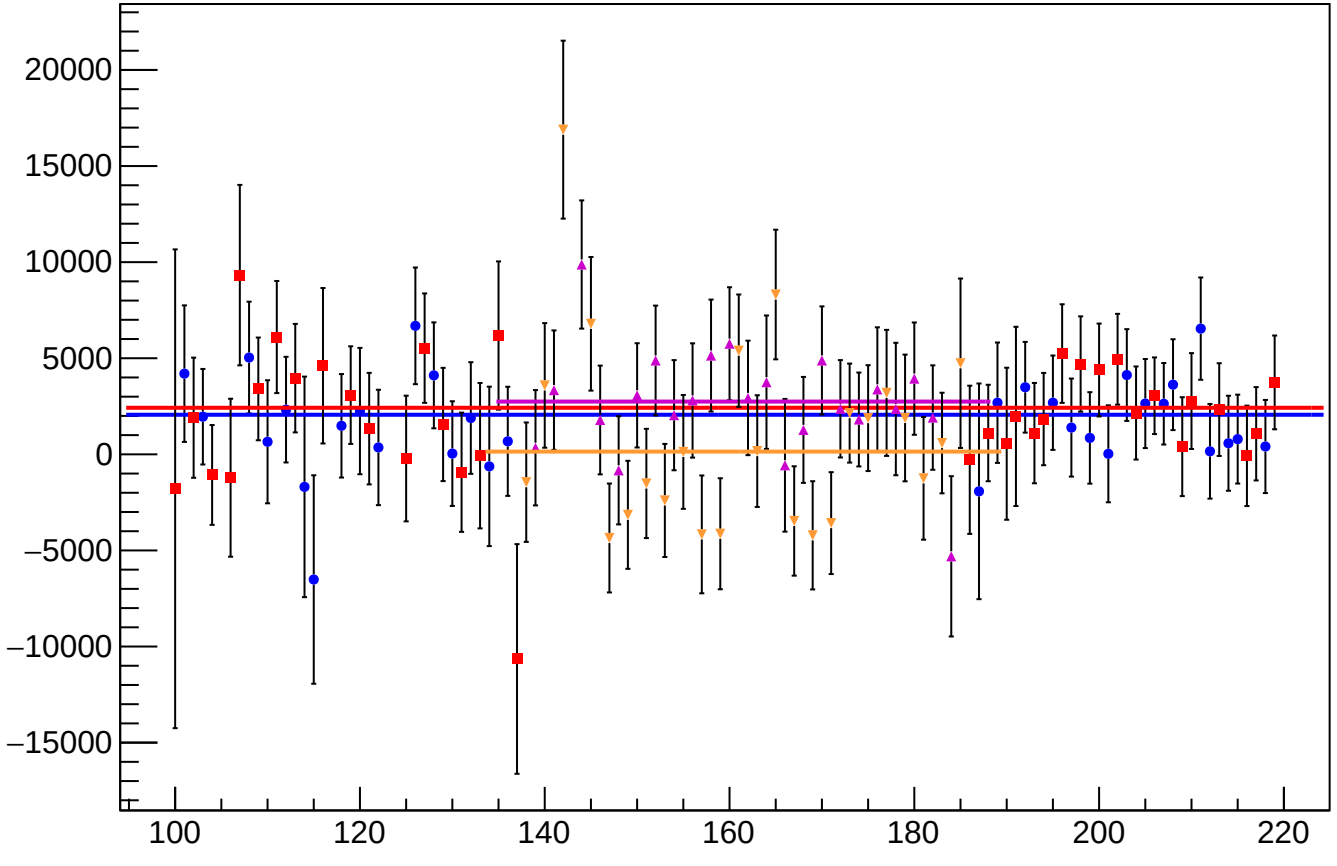
Right: 2595.697+/-0.476 χ^2/NDF: 53081702.4/68

In: 8028.397+/-0.946 χ^2/NDF:4671855.9/54

Out: 1719.442+/-0.373 χ^2/NDF:59626930.8/61

All: 2566.856+/-0.347 χ^2/NDF: 102761076.7

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2059.366+/-486.328 χ^2/NDF: 16.8/31

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: 2423.241+/-477.197 χ^2/NDF: 24.1/35

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

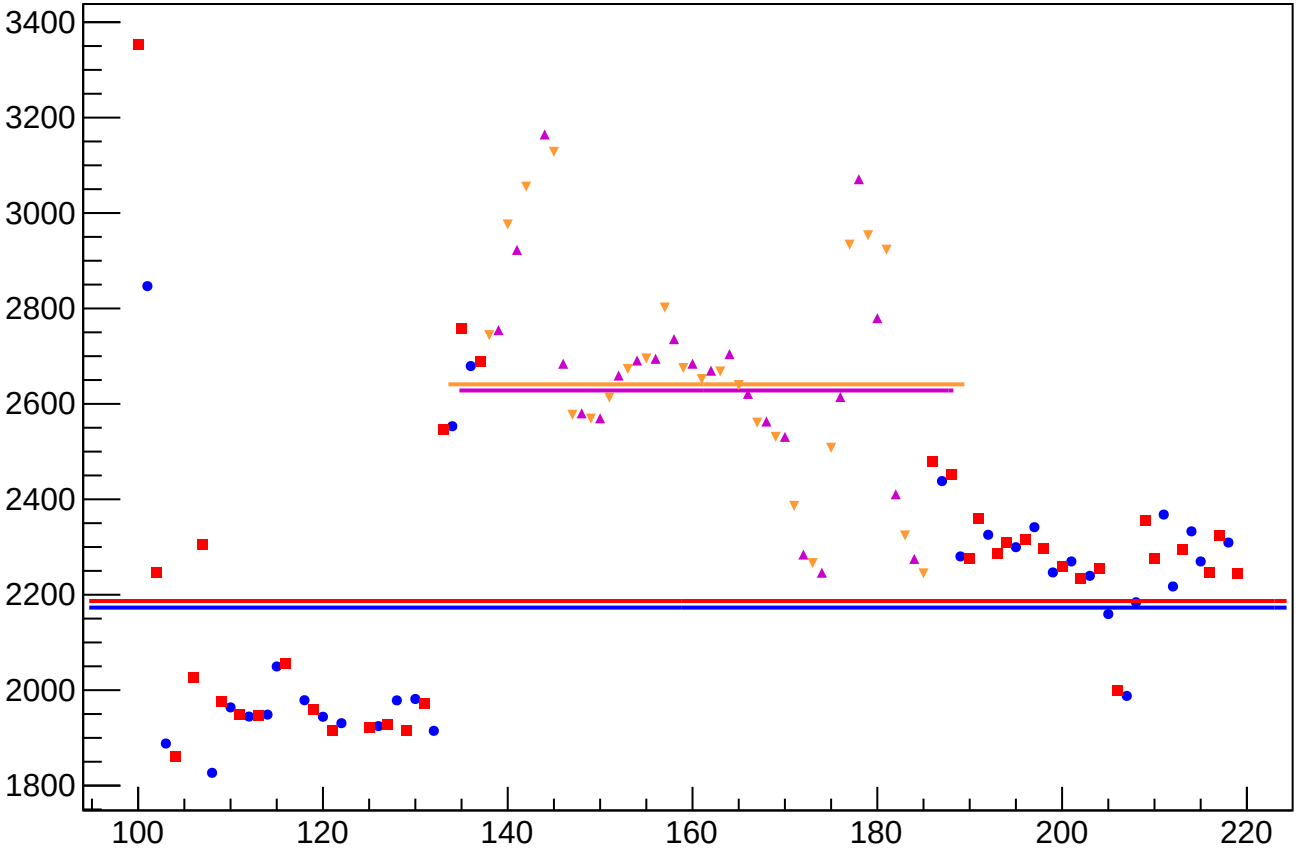
Right: 2244.752+/-340.611 χ^2/NDF: 41.2/67

In: 2322.942+/-381.736 χ^2/NDF:33.0/54

Out: 1567.394+/-377.182 χ^2/NDF:78.5/59

All: 1940.634+/-268.303 χ^2/NDF: 113.5/114

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2173.023+/-0.344 χ^2/NDF: 396197.4/31

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2186.873+/-0.337 χ^2/NDF: 362794.6/35

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

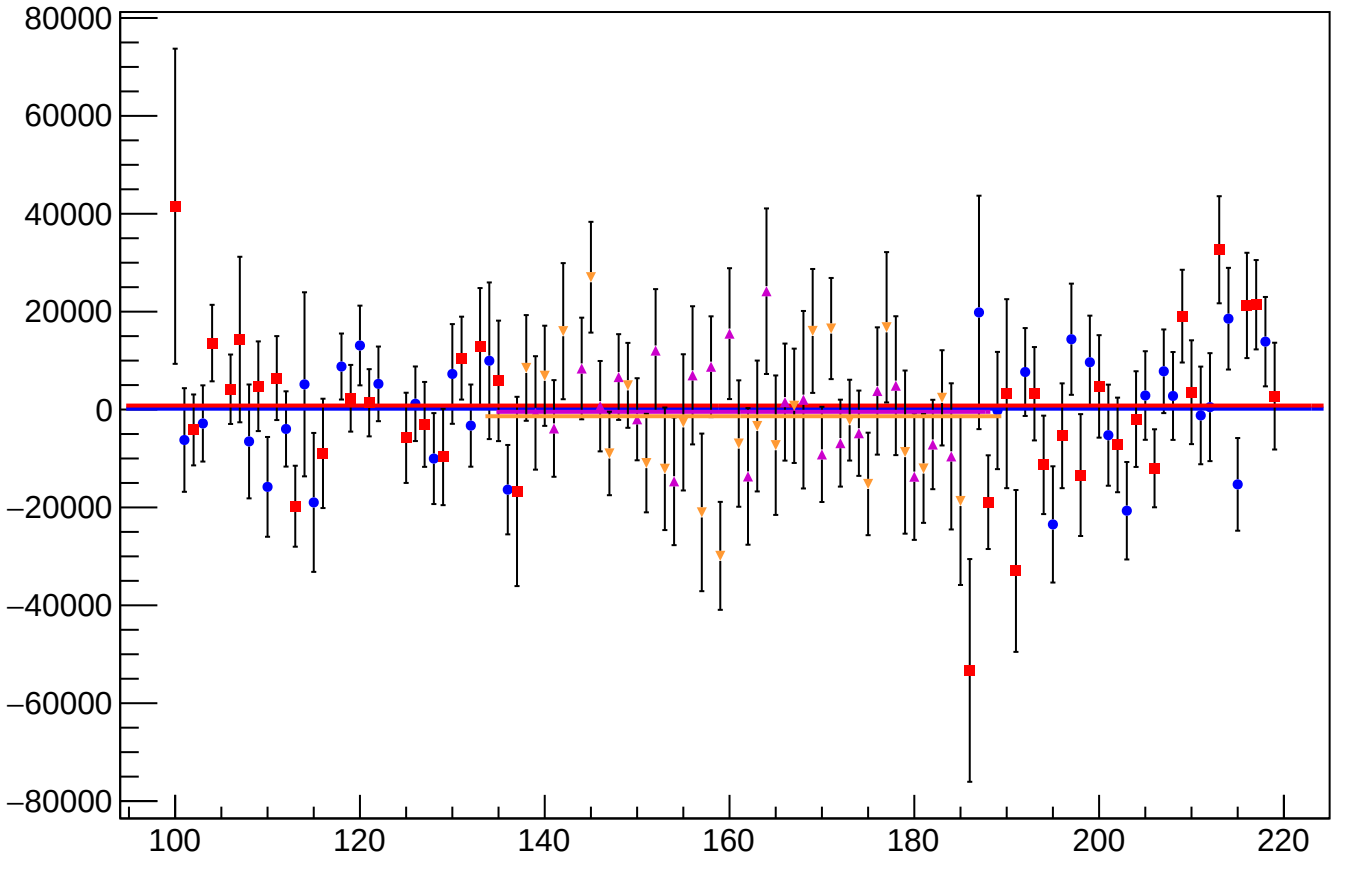
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2180.083+/-0.241 χ^2/NDF: 759818.8/67

In: 2347.722+/-0.270 χ^2/NDF:1305996.2/54

Out: 2357.157+/-0.267 χ^2/NDF:1296151.7/59

All: 2352.498+/-0.190 χ^2/NDF: 2602766.4/11



Right In: 175.987+/-1701.526 χ^2/NDF: 37.2/31

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 814.039+/-1633.329 χ^2/NDF: 60.1/35

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

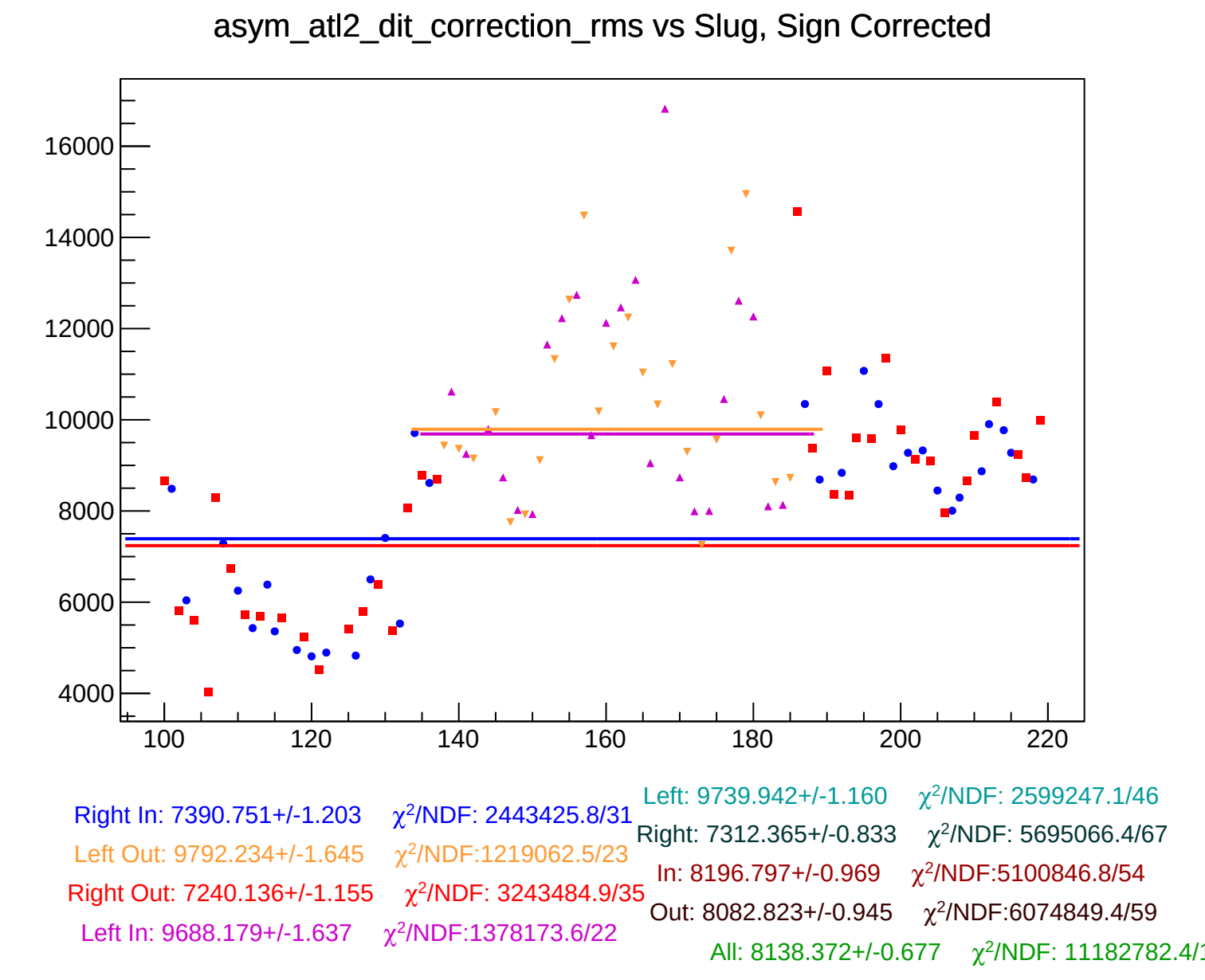
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

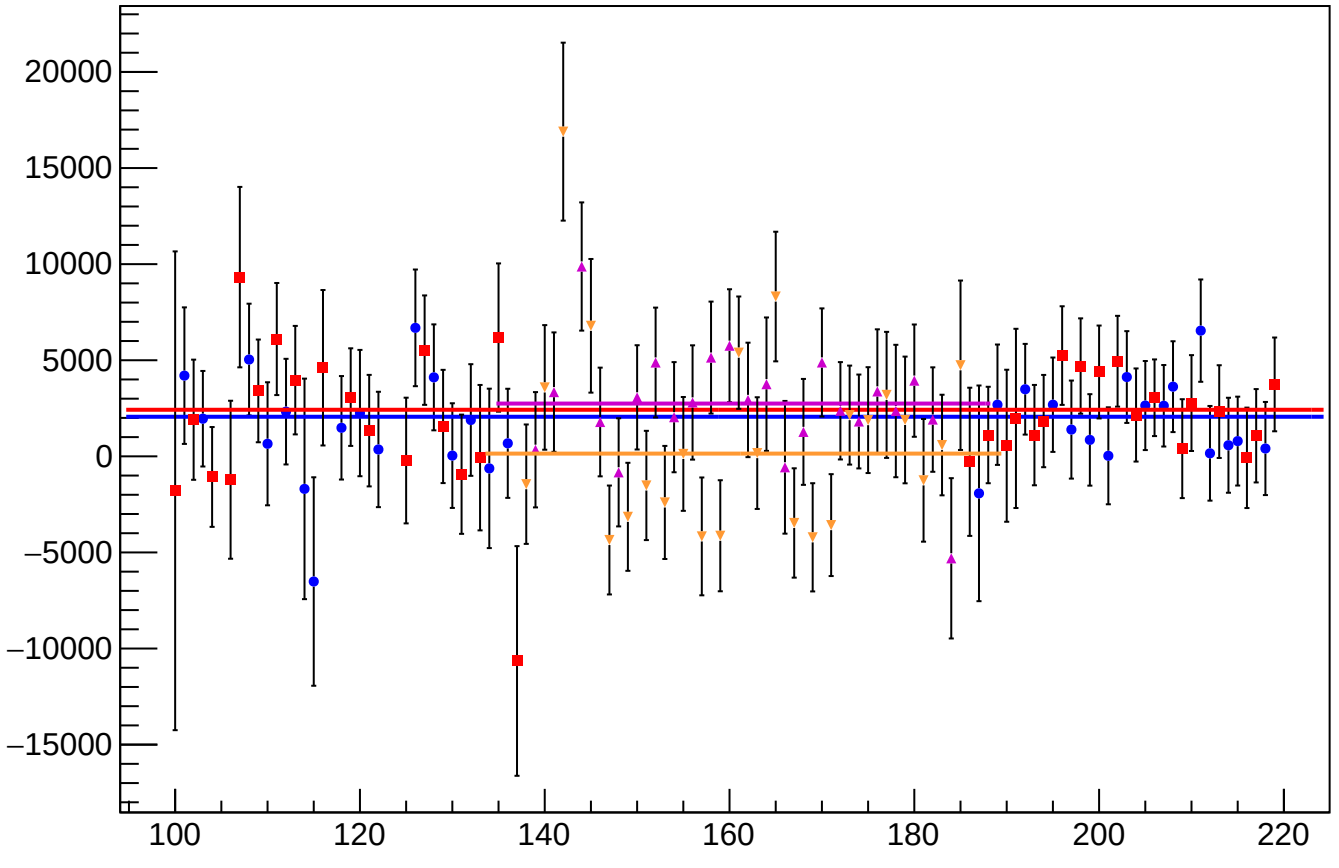
Right: 508.056+/-1178.310 χ^2/NDF: 97.4/67

In: -48.472+/-1370.920 χ^2/NDF:50.3/54

Out: 93.926+/-1336.744 χ^2/NDF:91.9/59

All: 24.524+/-957.075 χ^2/NDF: 142.3/114


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
220
Right In: 7390.751+/-1.203 χ²/NDF: 2443425.8/31
Left Out: 9792.234+/-1.645 χ²/NDF:1219062.5/23
Right Out: 7240.136+/-1.155 χ²/NDF: 3243484.9/35
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
Left: 9739.942+/-1.160 χ²/NDF: 2599247.1/46
Right: 7312.365+/-0.833 χ²/NDF: 5695066.4/67
In: 8196.797+/-0.969 χ²/NDF:5100846.8/54
Out: 8082.823+/-0.945 χ²/NDF:6074849.4/59
All: 8138.372+/-0.677 χ²/NDF: 11182782.4/1



Right In: 2059.370+/-486.328 χ^2/NDF: 16.8/31

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: 2423.236+/-477.197 χ^2/NDF: 24.1/35

Left In: 2745.980+/-616.124 χ^2/NDF:15.4/22

Left: 1443.405+/-435.527 χ^2/NDF: 70.2/46

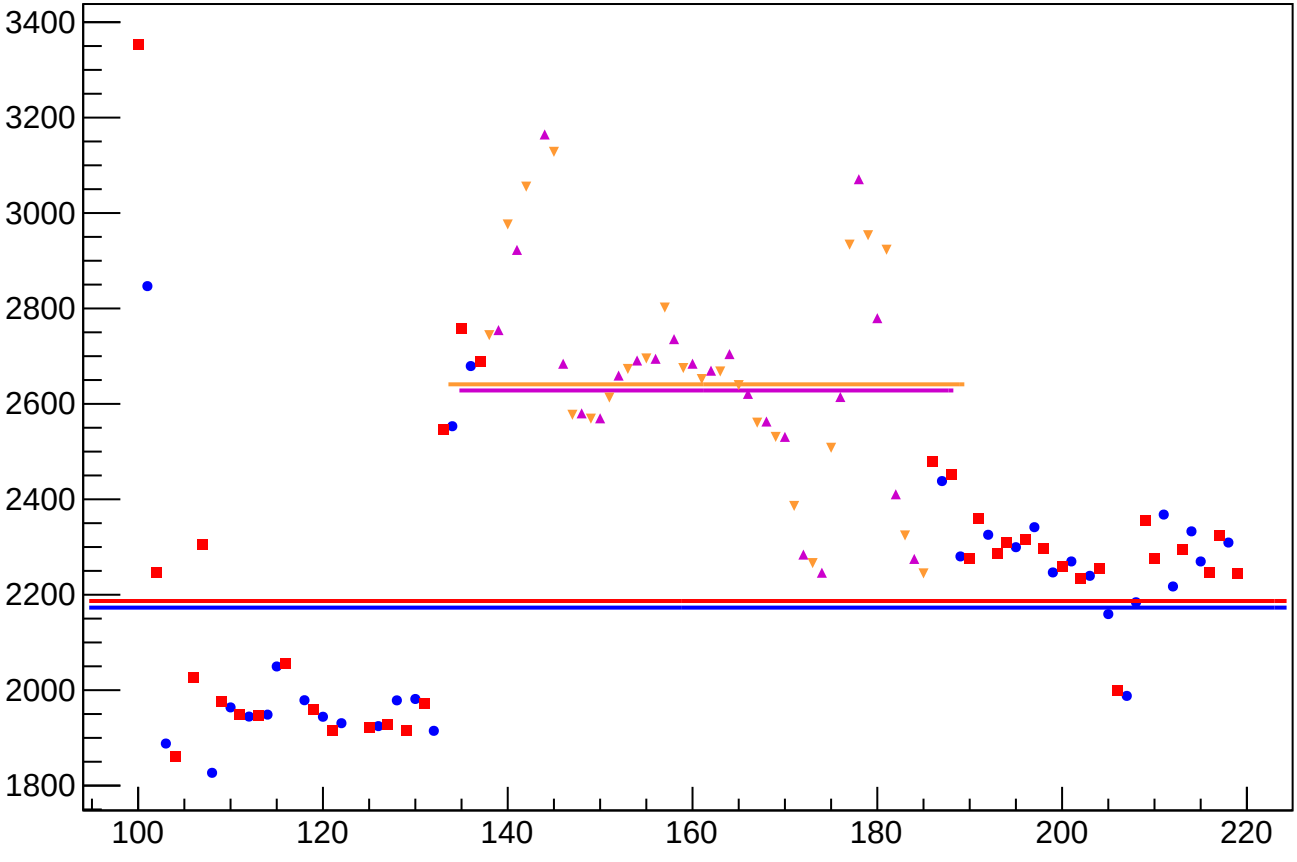
Right: 2244.751+/-340.611 χ^2/NDF: 41.2/67

In: 2322.943+/-381.736 χ^2/NDF:33.0/54

Out: 1567.388+/-377.182 χ^2/NDF:78.5/59

All: 1940.632+/-268.304 χ^2/NDF: 113.5/114

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2173.024+/-0.344 χ^2/NDF: 396197.4/31

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2186.873+/-0.337 χ^2/NDF: 362795.2/35

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

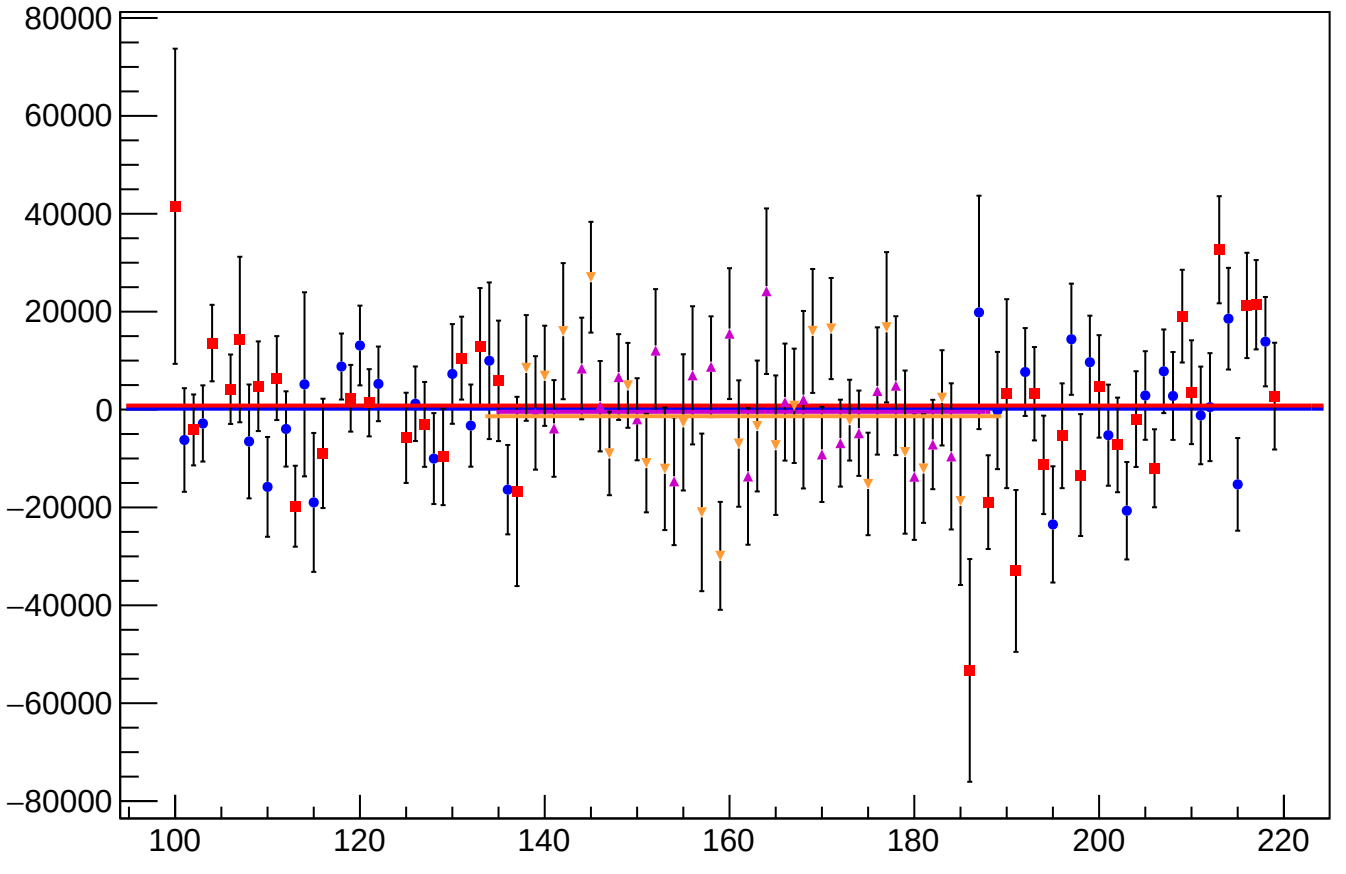
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2180.083+/-0.241 χ^2/NDF: 759819.3/67

In: 2347.723+/-0.270 χ^2/NDF:1306010.5/54

Out: 2357.157+/-0.267 χ^2/NDF:1296167.9/59

All: 2352.498+/-0.190 χ^2/NDF: 2602796.8/11



Right In: 175.991+/-1701.525 χ^2/NDF: 37.2/31

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: 814.044+/-1633.327 χ^2/NDF: 60.1/35

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

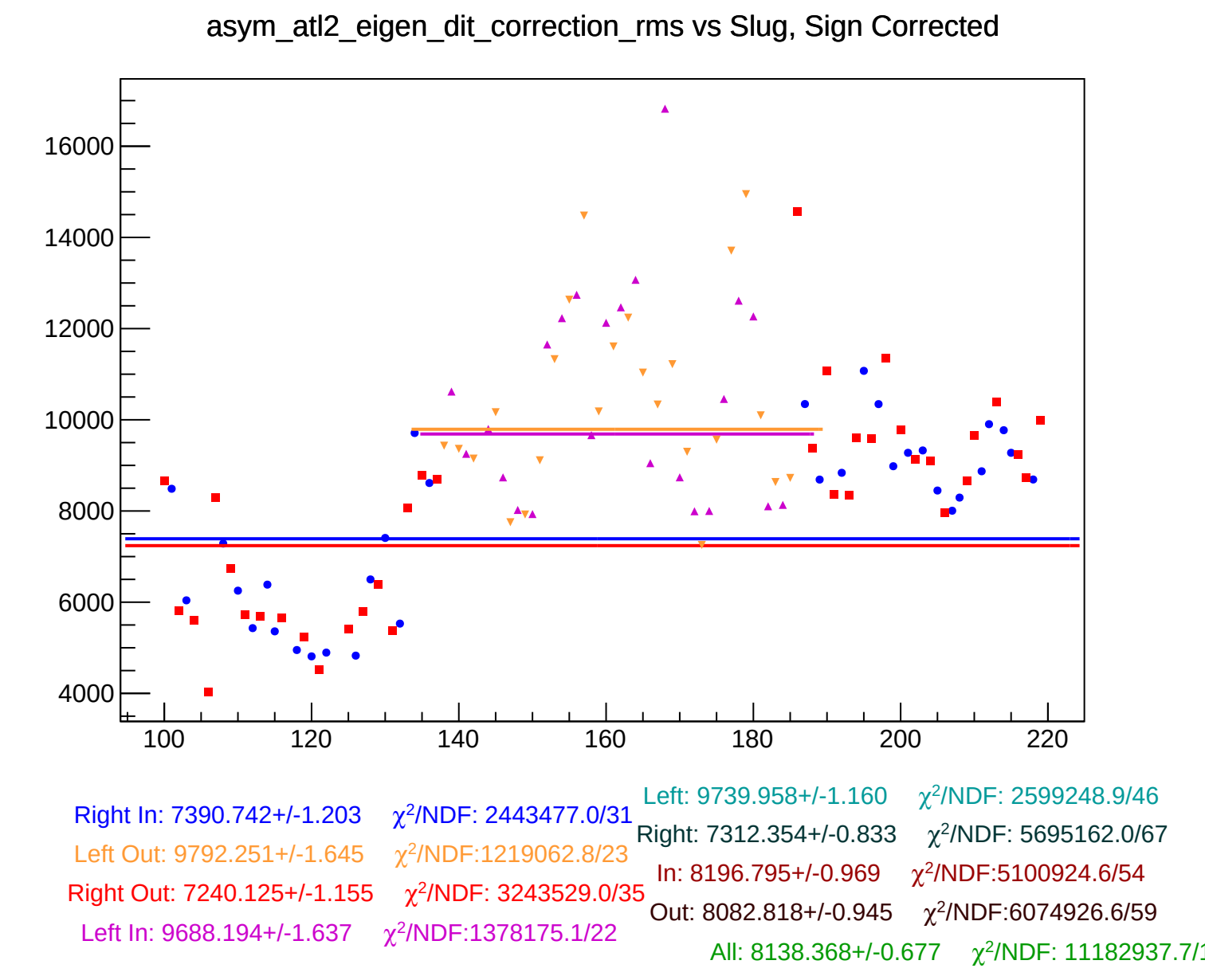
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: 508.061+/-1178.309 χ^2/NDF: 97.4/67

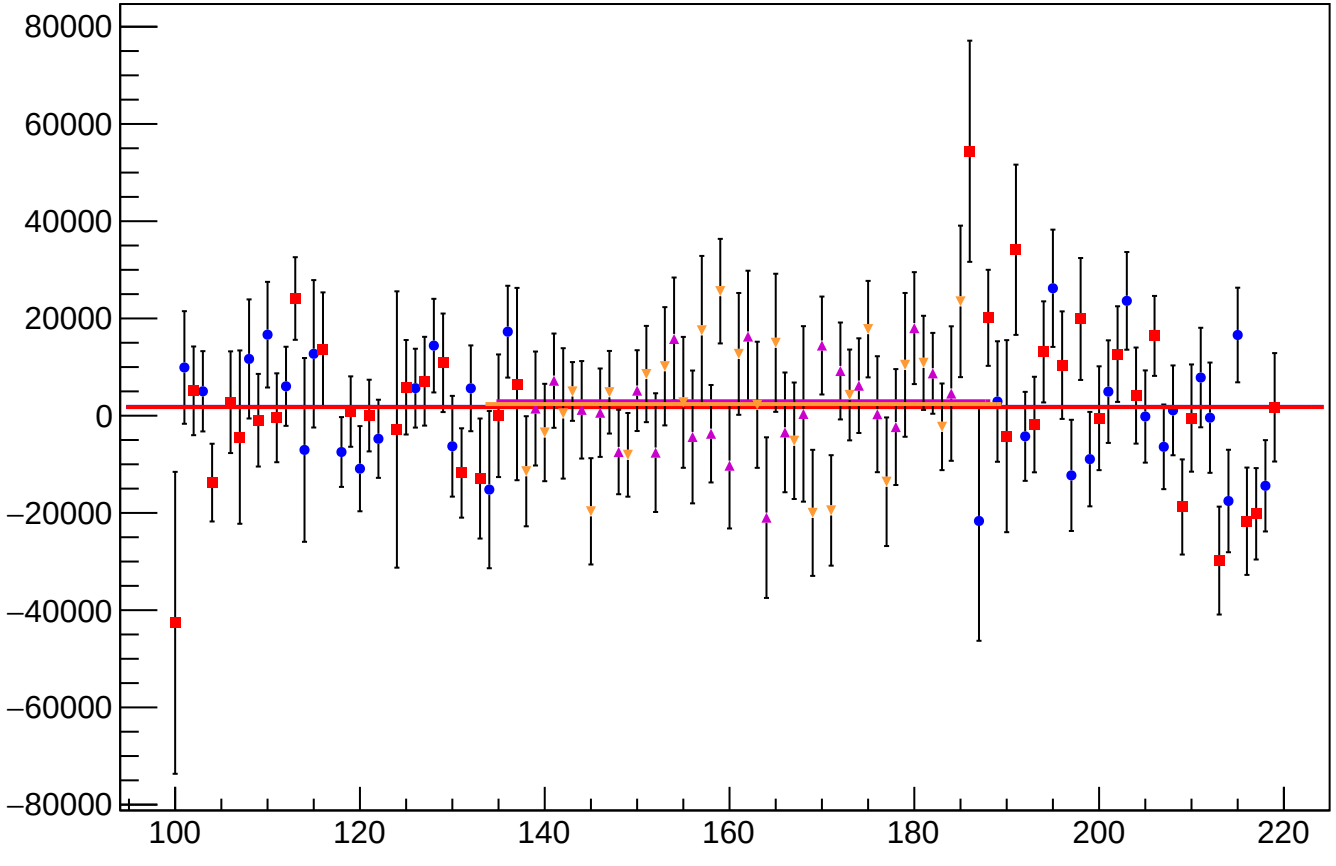
In: -48.469+/-1370.920 χ^2/NDF:50.3/54

Out: 93.929+/-1336.744 χ^2/NDF:91.9/59

All: 24.527+/-957.075 χ^2/NDF: 142.3/114


asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
220
Right In: 7390.742+/-1.203 χ²/NDF: 2443477.0/31
Left Out: 9792.251+/-1.645 χ²/NDF:1219062.8/23
Right Out: 7240.125+/-1.155 χ²/NDF: 3243529.0/35
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 7312.354+/-0.833 χ²/NDF: 5695162.0/67
In: 8196.795+/-0.969 χ²/NDF:5100924.6/54
Out: 8082.818+/-0.945 χ²/NDF:6074926.6/59
All: 8138.368+/-0.677 χ²/NDF: 11182937.7/1

asym_atl2_mean vs Slug, Sign Corrected



Right In: 1813.565+/-1770.493 χ^2/NDF: 38.1/31

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 1766.241+/-1730.560 χ^2/NDF: 62.6/36

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

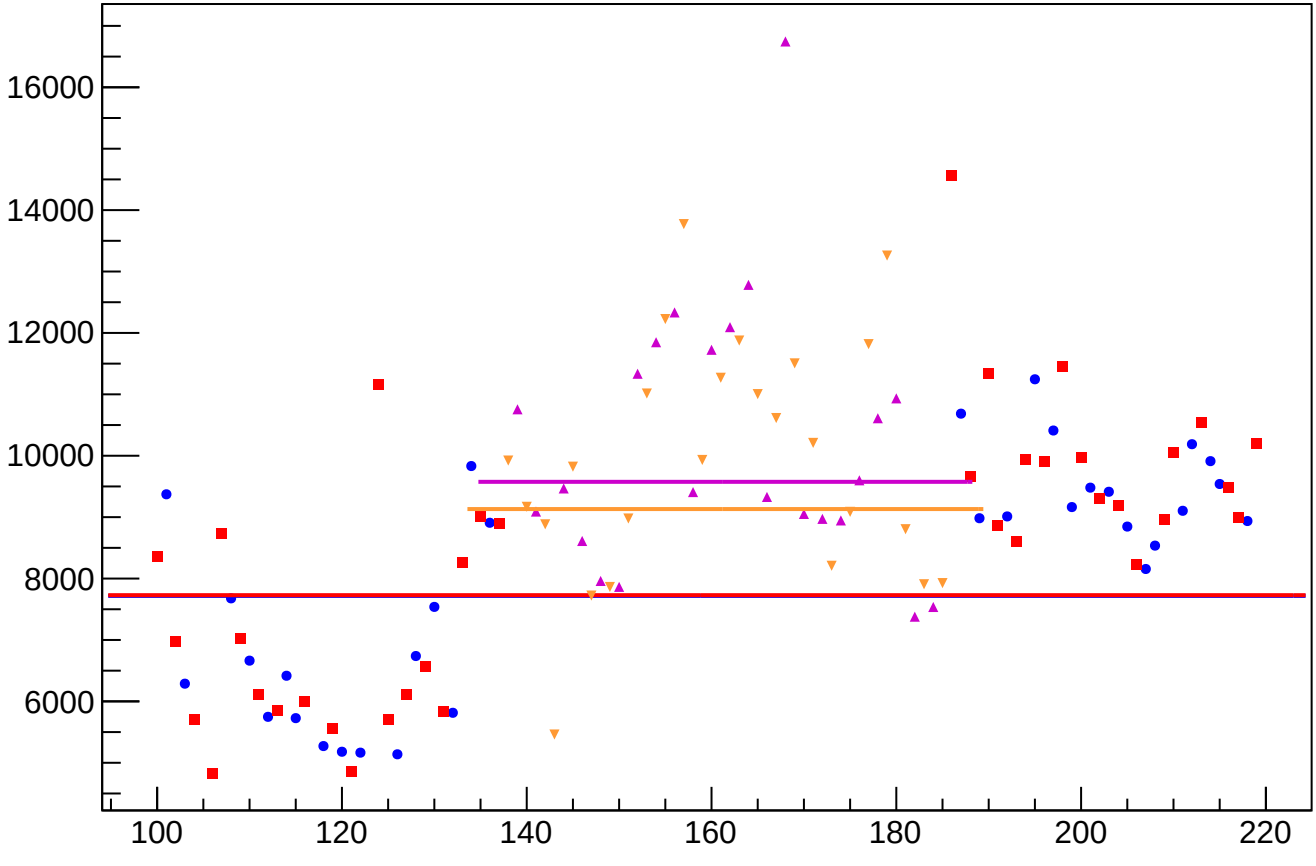
Right: 1789.363+/-1237.568 χ^2/NDF: 100.7/68

In: 2246.404+/-1398.139 χ^2/NDF:51.3/54

Out: 2012.503+/-1344.765 χ^2/NDF:92.4/61

All: 2124.904+/-969.212 χ^2/NDF: 143.6/116

asym_atl2_rms vs Slug, Sign Corrected



Right In: 7718.080+/-1.252 χ^2/NDF: 2165789.5/31

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7729.124+/-1.224 χ^2/NDF: 2638559.5/36

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

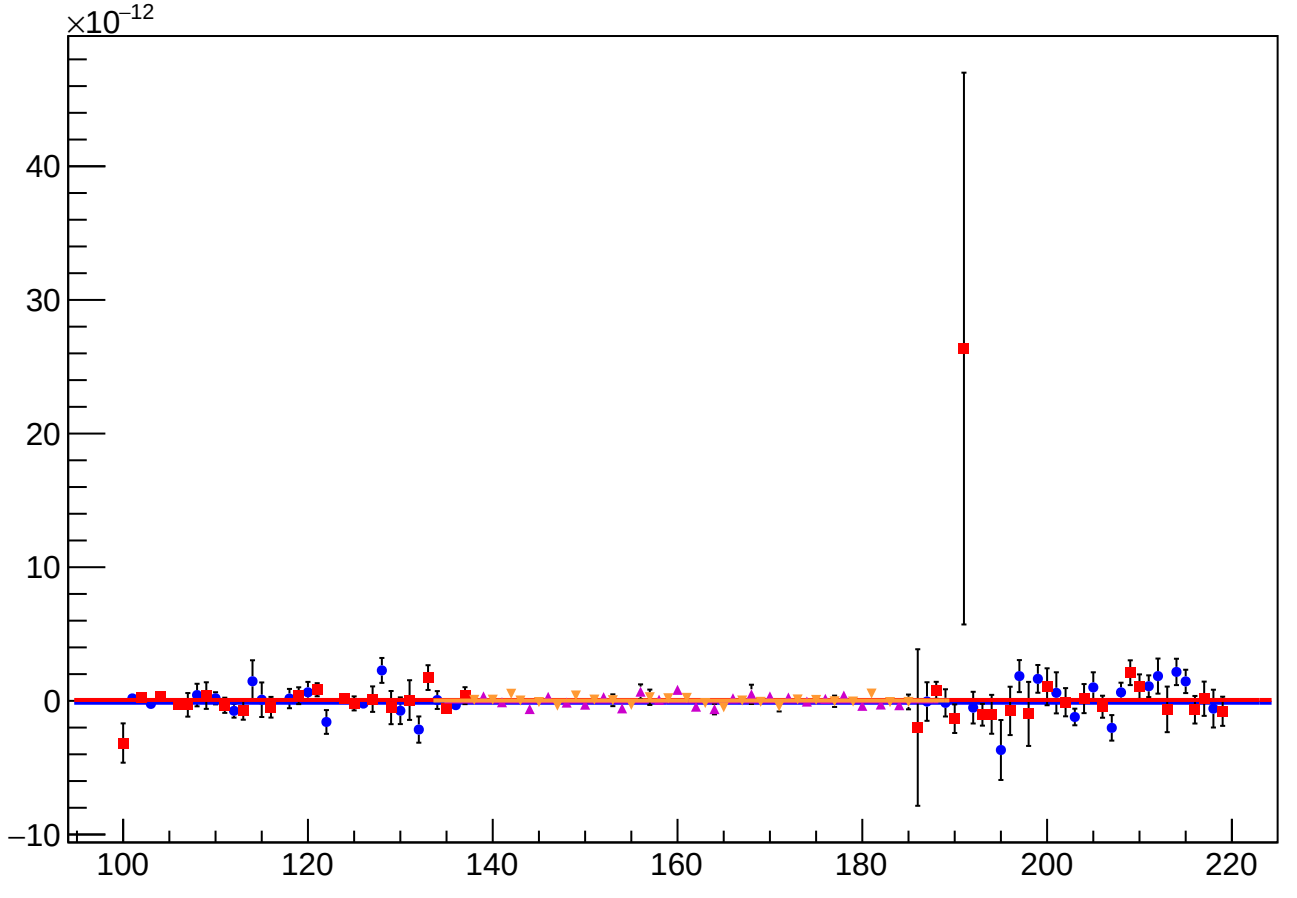
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7723.728+/-0.875 χ^2/NDF: 4804388.8/68

In: 8417.096+/-0.989 χ^2/NDF:4147871.0/54

Out: 8284.778+/-0.951 χ^2/NDF:4970687.8/61

All: 8348.363+/-0.685 χ^2/NDF: 9127863.6/11



Right In: -0.000+/-0.000 χ^2/NDF: 52.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.6/36

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

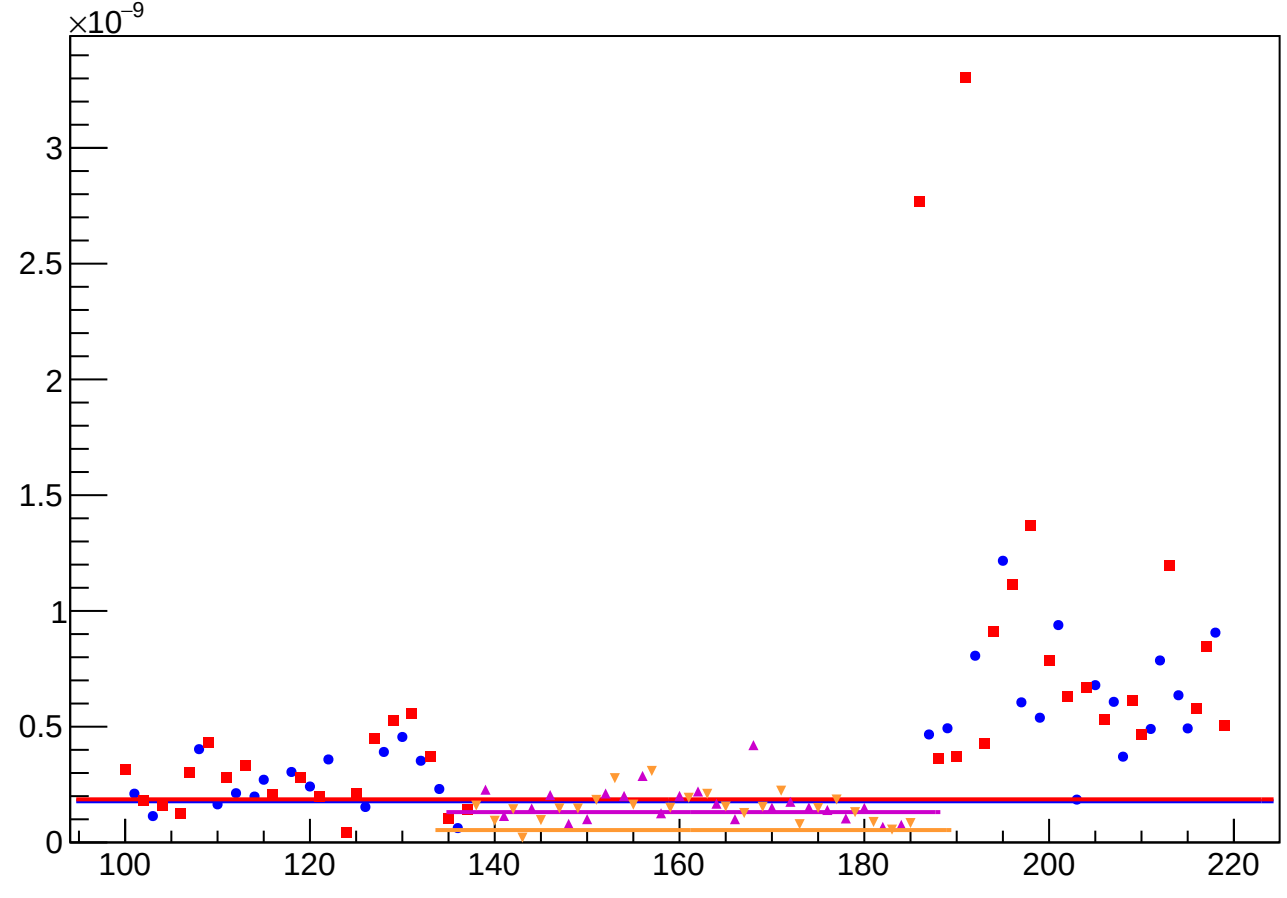
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 91.8/68

In: -0.000+/-0.000 χ^2/NDF:90.0/54

Out: 0.000+/-0.000 χ^2/NDF:54.7/61

All: 0.000+/-0.000 χ^2/NDF: 148.4/116



Right In: 0.000+/-0.000 χ^2/NDF: 7382075.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9010674.6/36

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

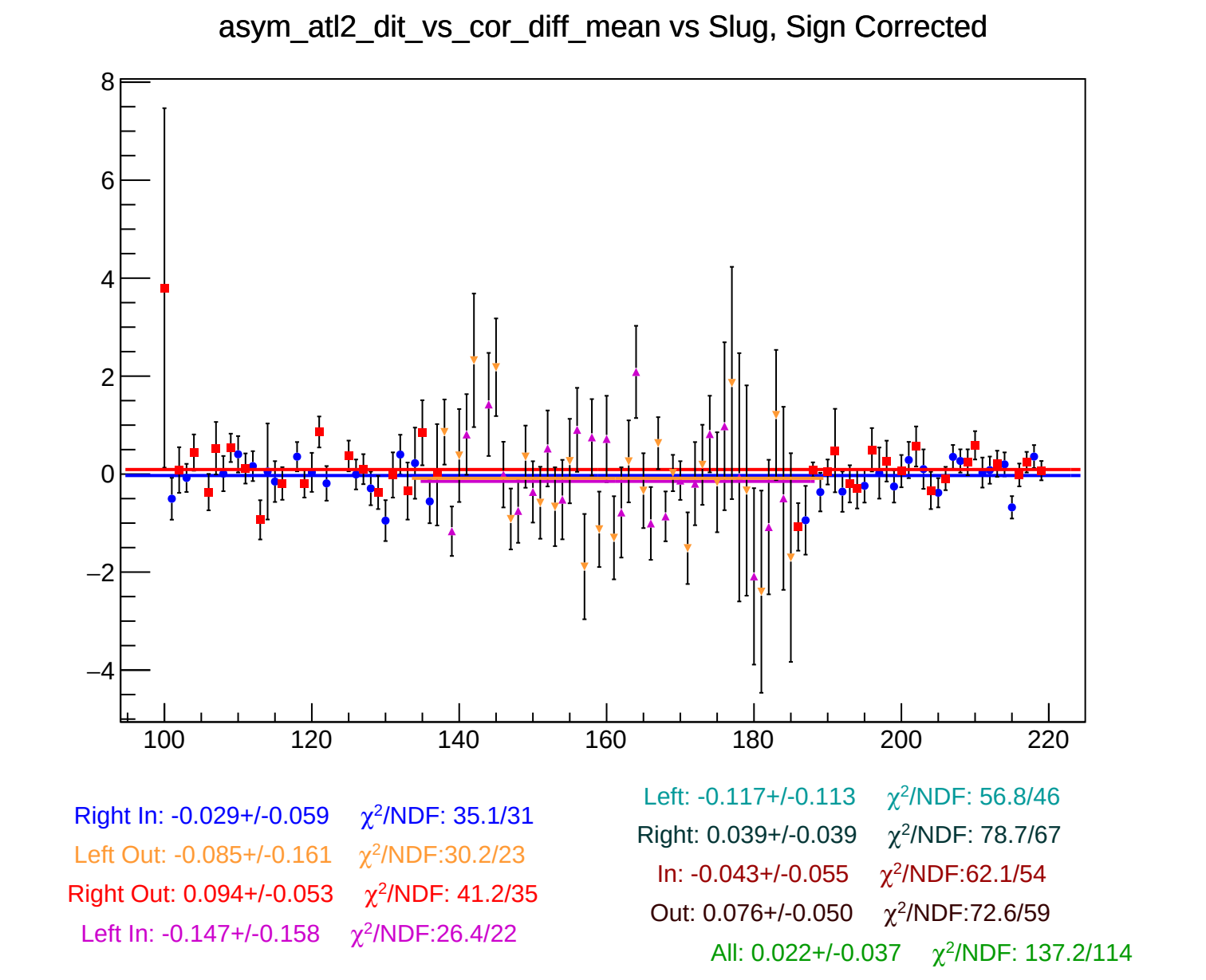
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 16401580.3/68

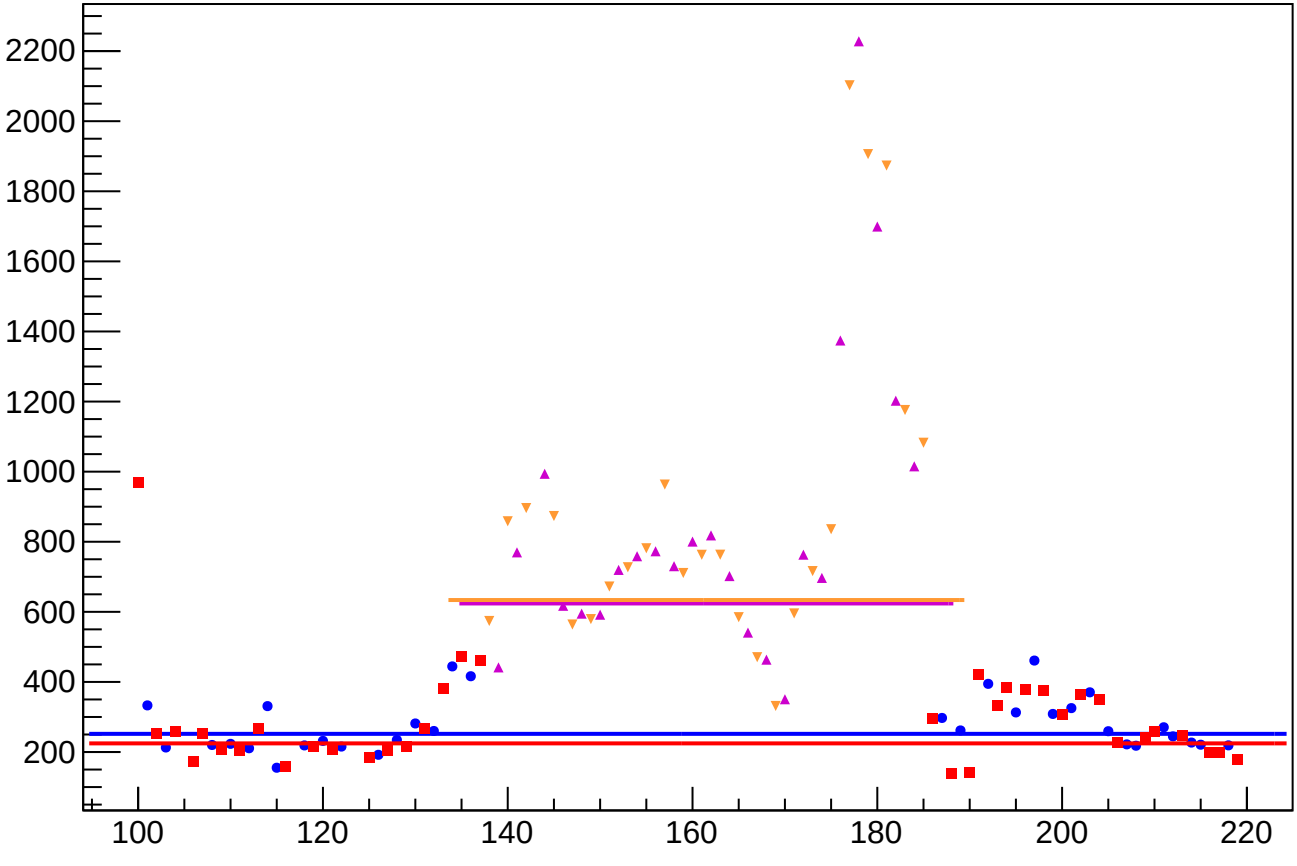
In: 0.000+/-0.000 χ^2/NDF:9685952.3/54

Out: 0.000+/-0.000 χ^2/NDF:20191771.3/61

All: 0.000+/-0.000 χ^2/NDF: 33920737.3/116


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
100
120
140
160
180
200
220
Right In: -0.029+/-0.059 χ²/NDF: 35.1/31
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.094+/-0.053 χ²/NDF: 41.2/35
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.039+/-0.039 χ²/NDF: 78.7/67
In: -0.043+/-0.055 χ²/NDF:62.1/54
Out: 0.076+/-0.050 χ²/NDF:72.6/59
All: 0.022+/-0.037 χ²/NDF: 137.2/114

asym_atl2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 251.871+/-0.042 χ^2/NDF: 1974533.9/31

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 224.660+/-0.037 χ^2/NDF: 3630947.9/35

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

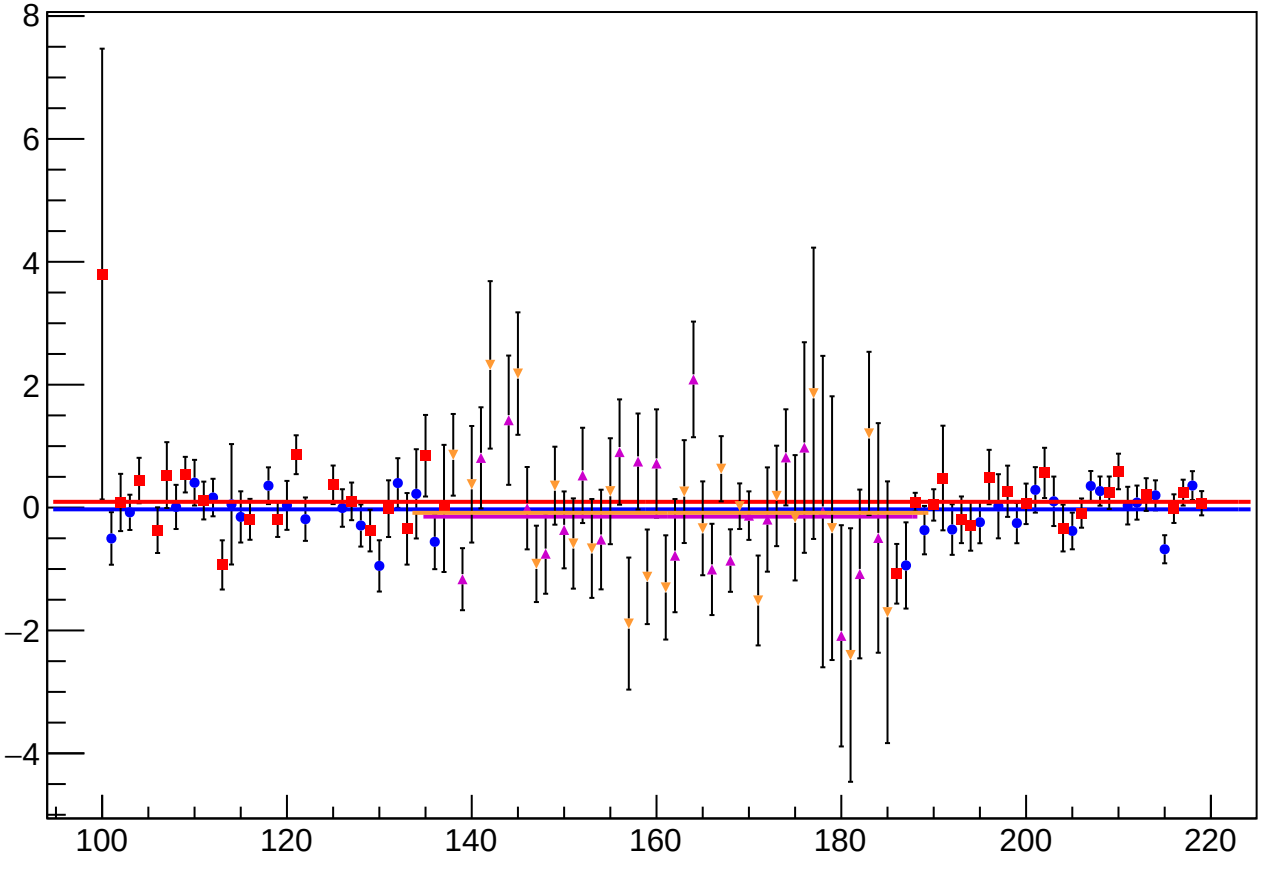
Right: 236.749+/-0.028 χ^2/NDF: 5841273.5/67

In: 297.401+/-0.039 χ^2/NDF:16222222.2/54

Out: 264.219+/-0.035 χ^2/NDF:20222264.4/59

All: 279.197+/-0.026 χ^2/NDF: 36838864.5/11

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.059 χ^2/NDF: 35.1/31

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.094+/-0.053 χ^2/NDF: 41.2/35

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

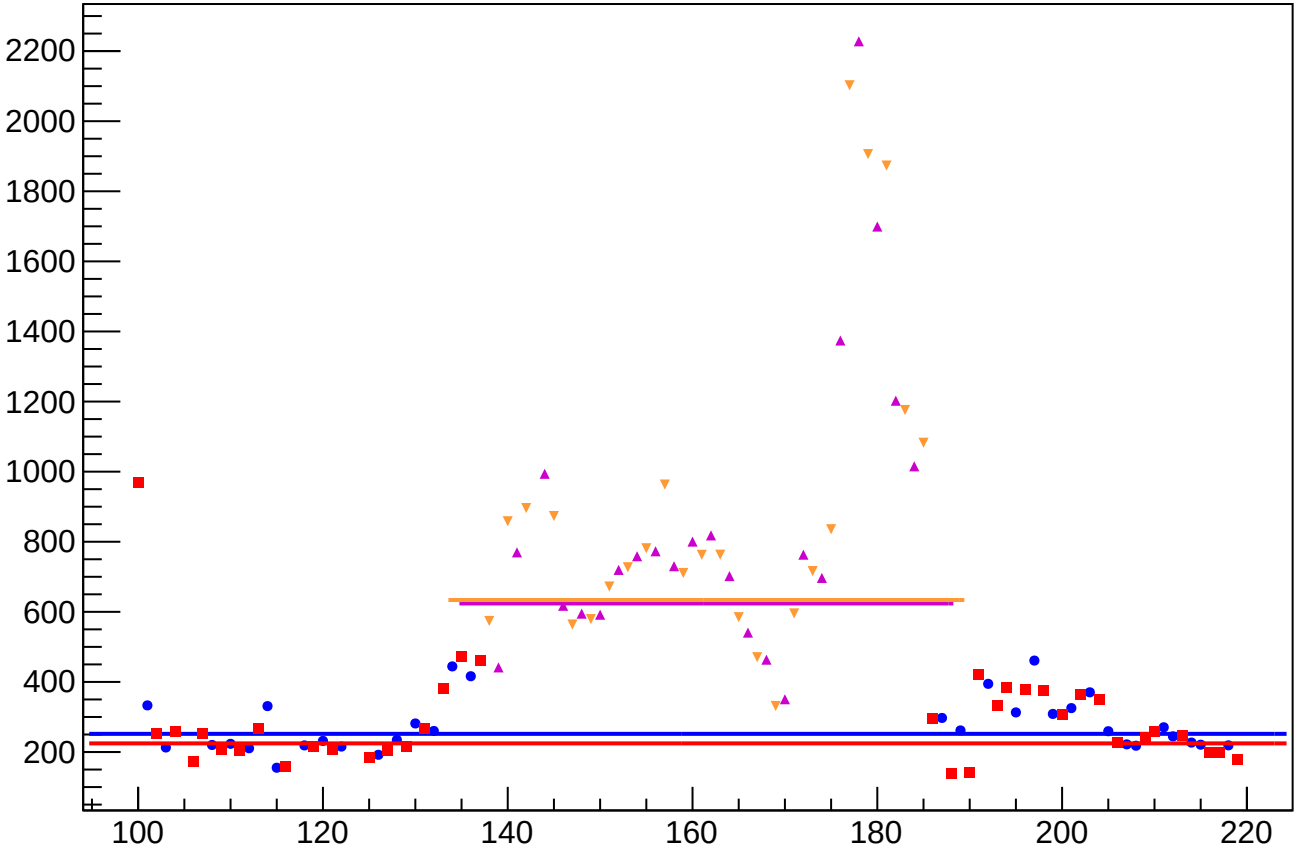
Right: 0.039+/-0.039 χ^2/NDF: 78.7/67

In: -0.043+/-0.055 χ^2/NDF:62.1/54

Out: 0.076+/-0.050 χ^2/NDF:72.6/59

All: 0.022+/-0.037 χ^2/NDF: 137.2/114

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 251.871+/-0.042 χ^2/NDF: 1974533.9/31

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 224.660+/-0.037 χ^2/NDF: 3630947.9/35

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

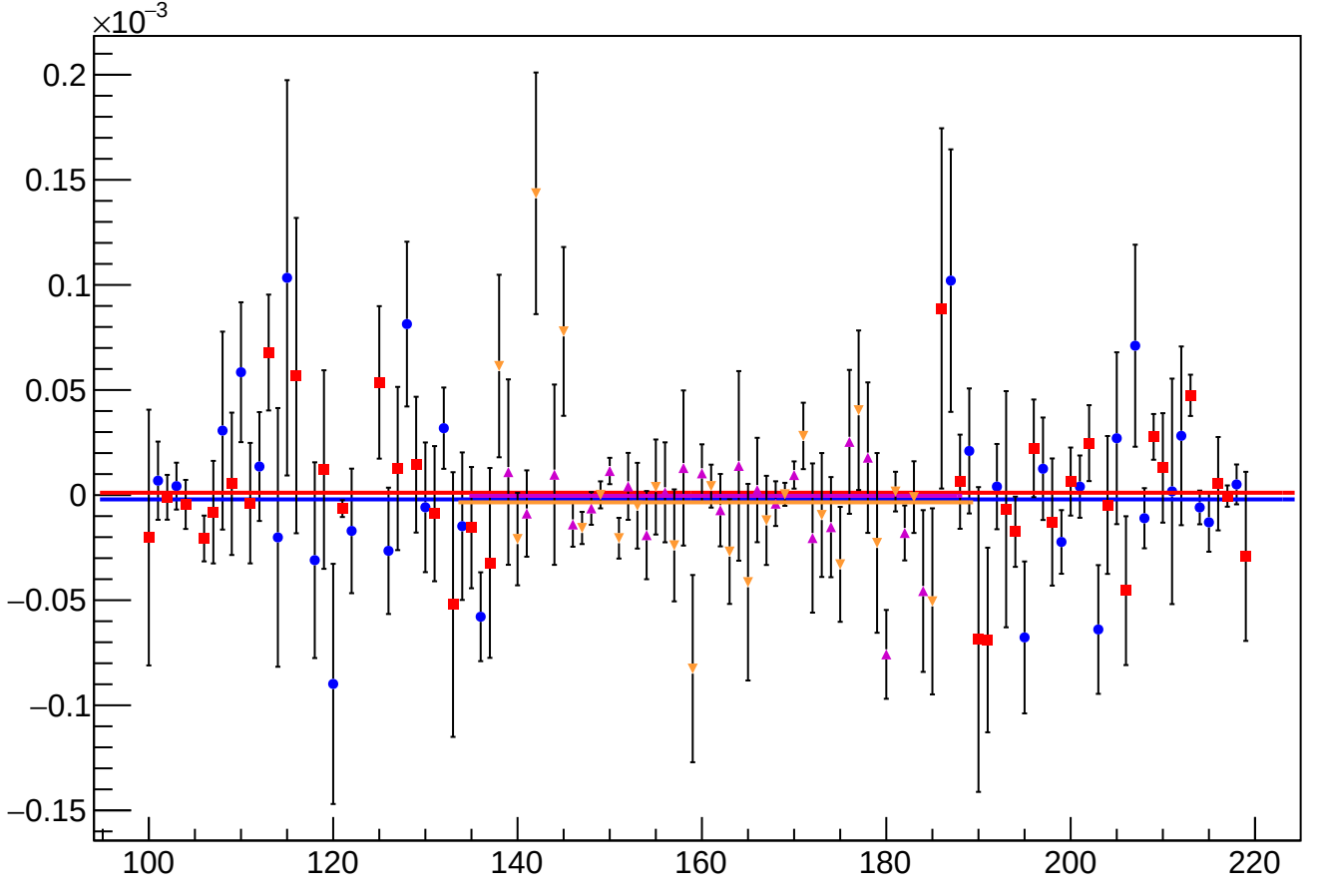
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 236.749+/-0.028 χ^2/NDF: 5841273.5/67

In: 297.401+/-0.039 χ^2/NDF:16222222.2/54

Out: 264.219+/-0.035 χ^2/NDF:20222264.4/59

All: 279.197+/-0.026 χ^2/NDF: 36838864.5/1



Right In: -0.000+/-0.000 χ^2/NDF: 42.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 58.2/35

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

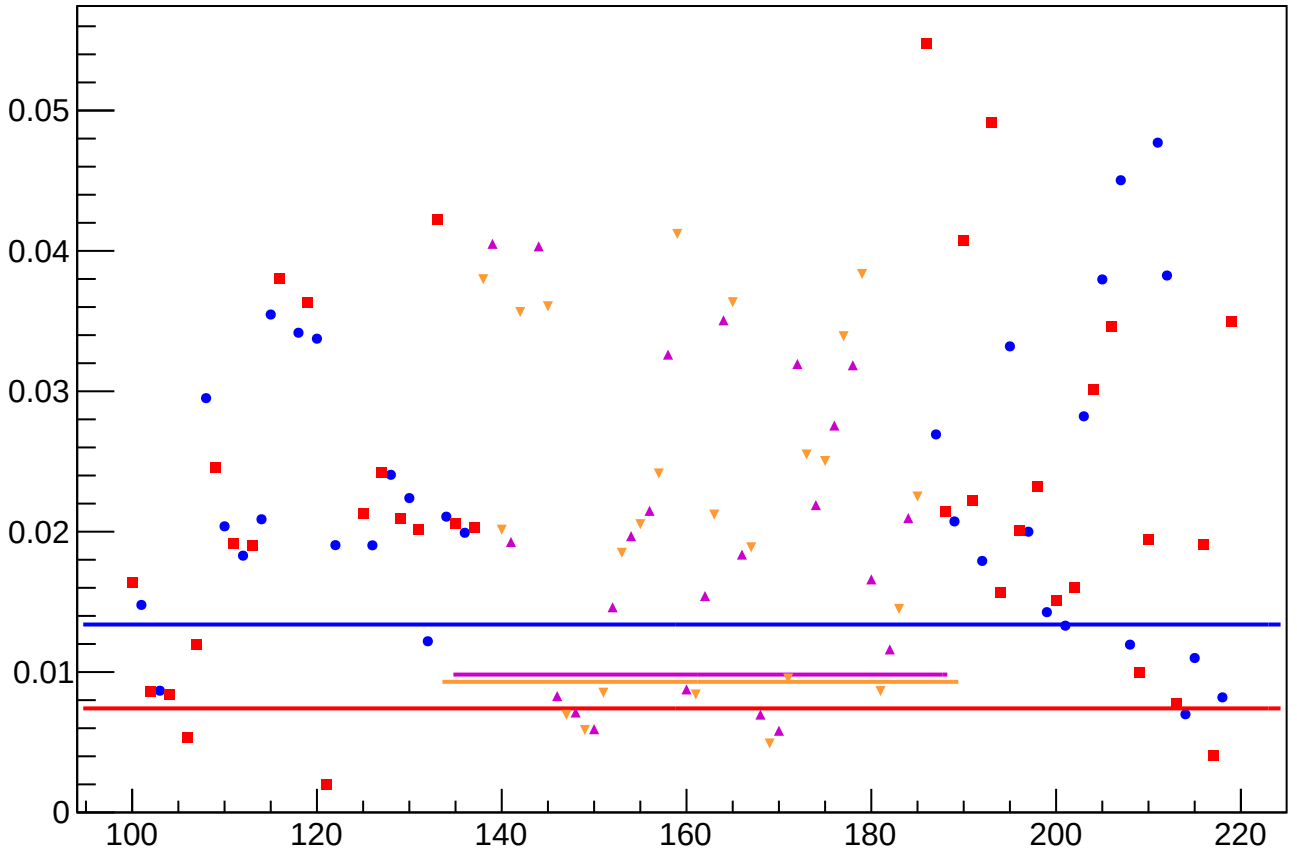
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: 0.000+/-0.000 χ^2/NDF: 101.5/67

In: -0.000+/-0.000 χ^2/NDF:70.8/54

Out: -0.000+/-0.000 χ^2/NDF:94.0/59

All: -0.000+/-0.000 χ^2/NDF: 164.8/114



Right In: 0.013+/-0.000 χ^2/NDF: 8894634.2/31

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.007+/-0.000 χ^2/NDF: 19365830.7/35

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

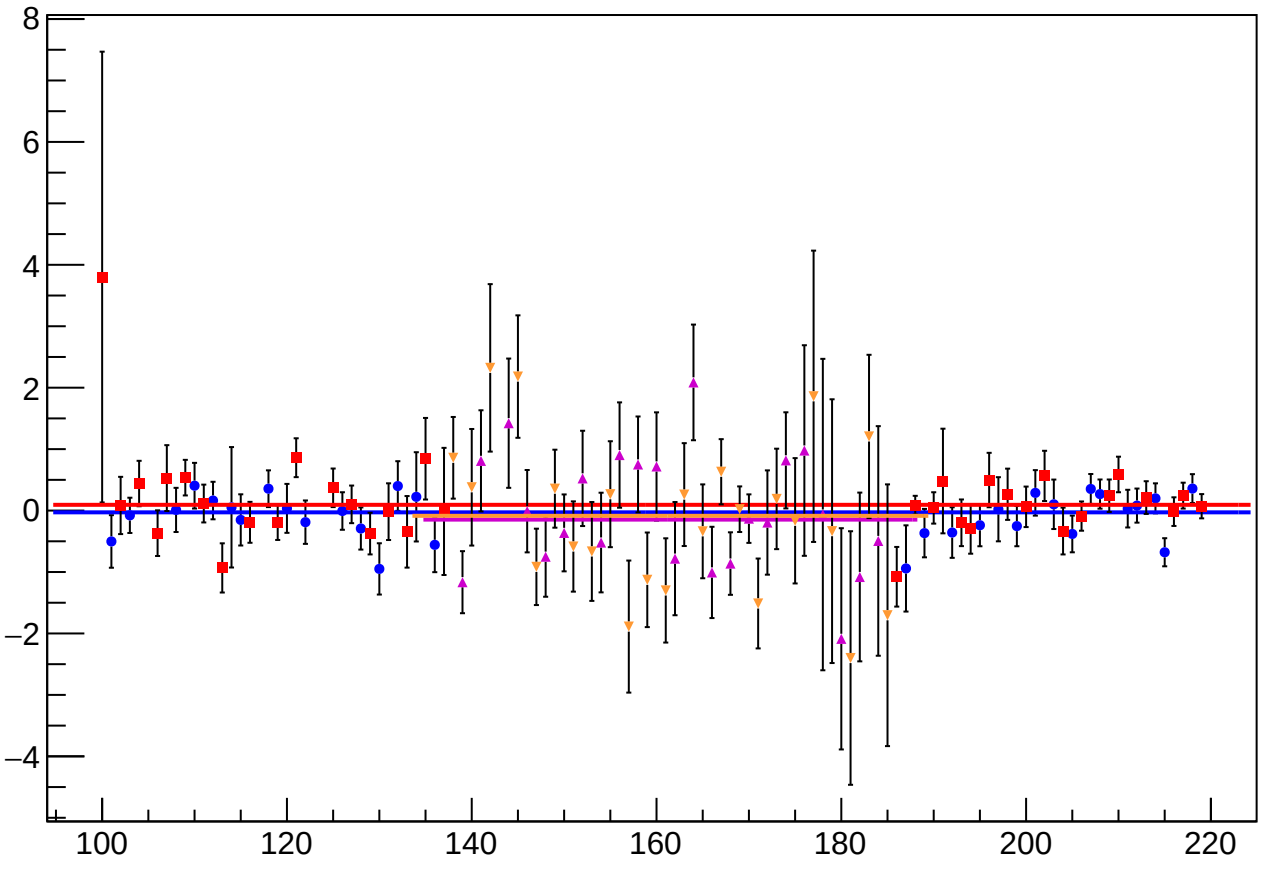
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.009+/-0.000 χ^2/NDF: 32184281.5/67

In: 0.011+/-0.000 χ^2/NDF:20415352.2/54

Out: 0.008+/-0.000 χ^2/NDF:32133097.0/59

All: 0.009+/-0.000 χ^2/NDF: 54771415.9/114



Right In: -0.029+/-0.059 χ^2/NDF: 35.1/31

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.094+/-0.053 χ^2/NDF: 41.2/35

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

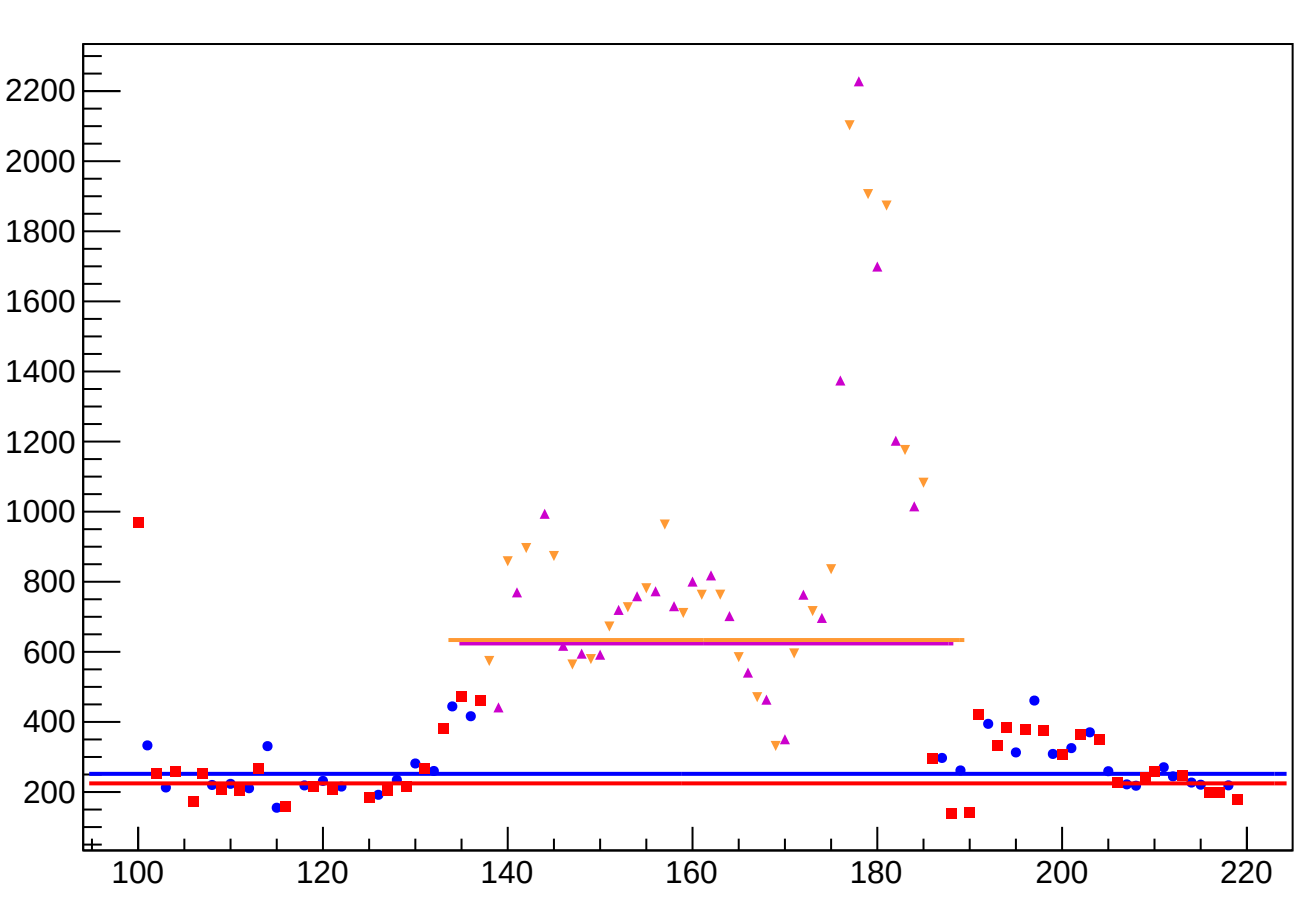
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

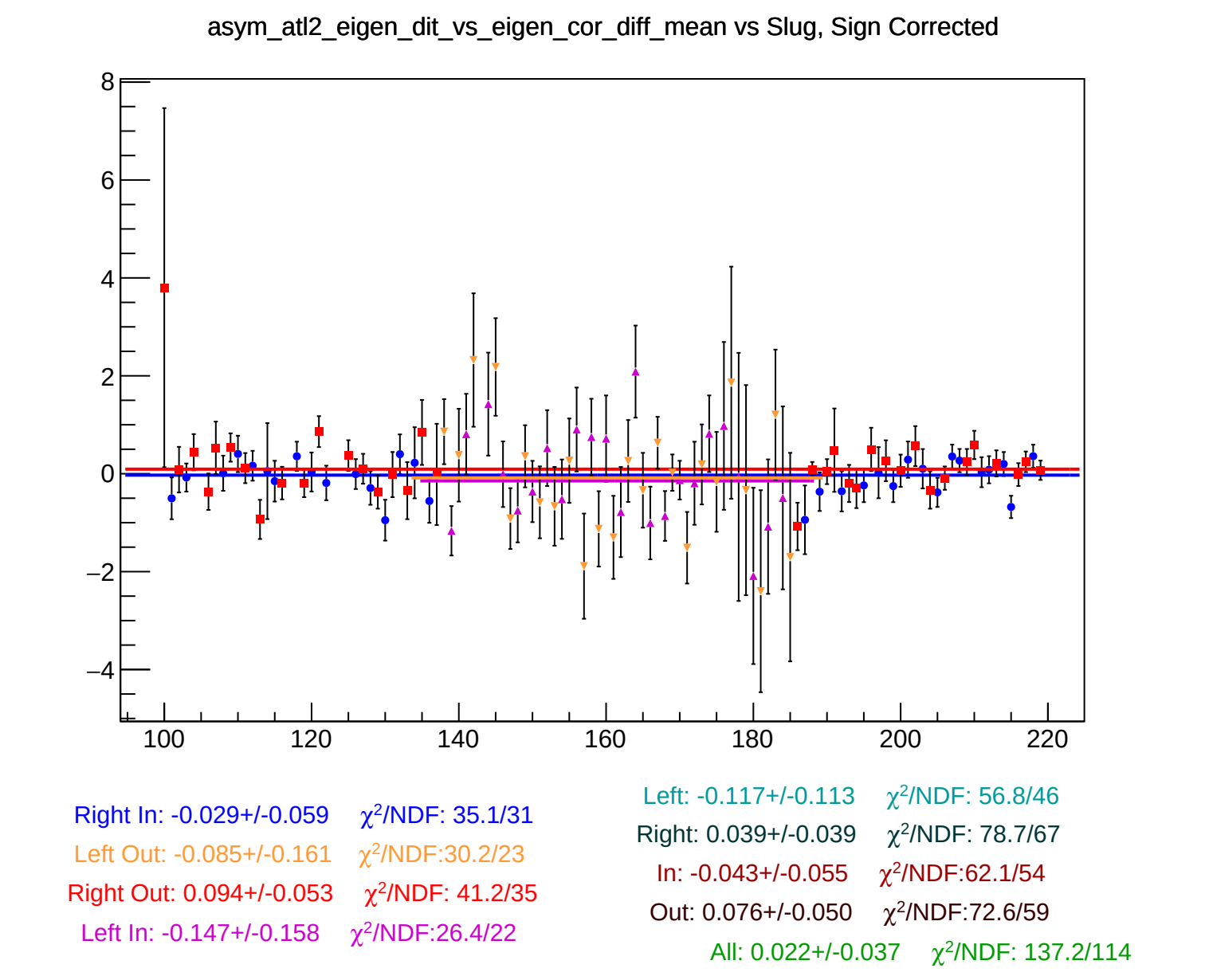
Right: 0.039+/-0.039 χ^2/NDF: 78.7/67

In: -0.043+/-0.055 χ^2/NDF:62.1/54

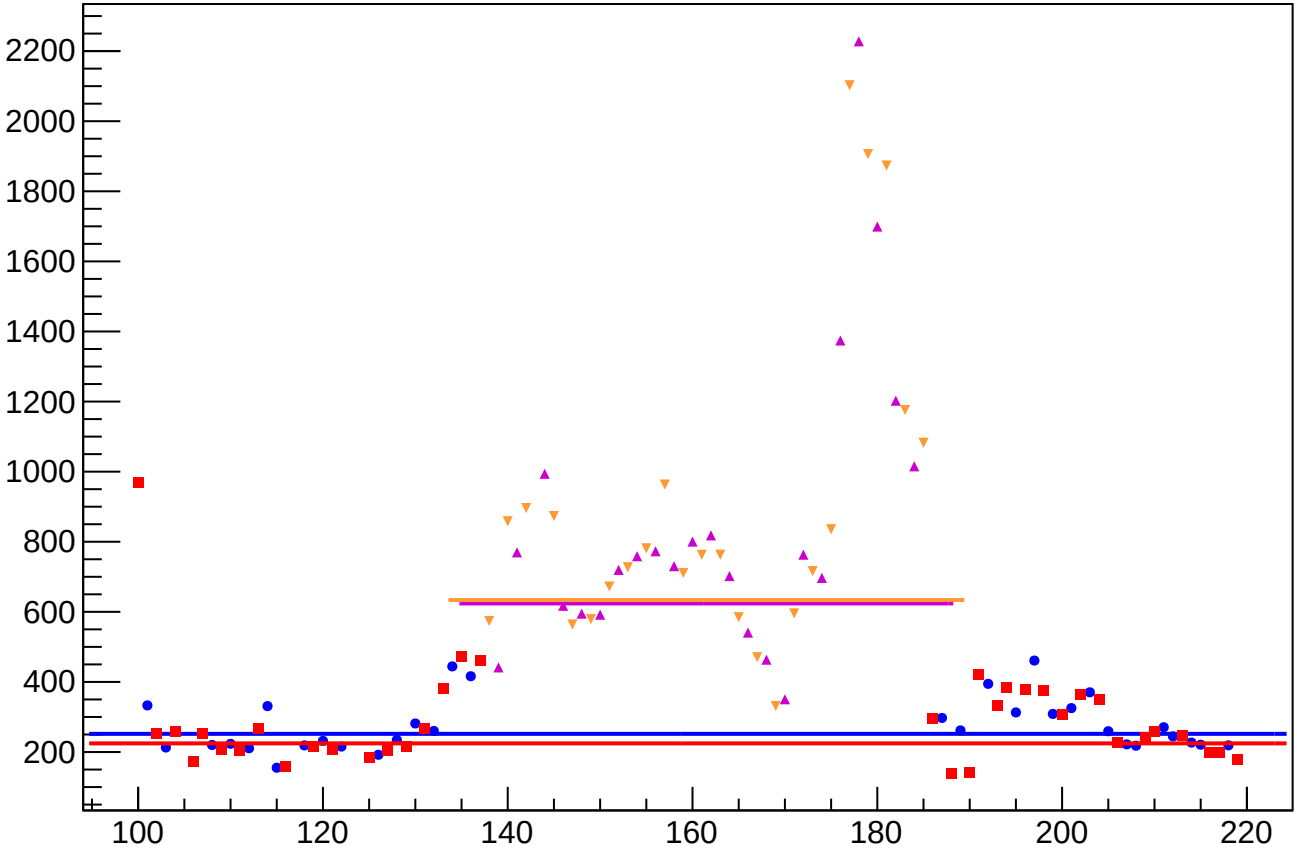
Out: 0.076+/-0.050 χ^2/NDF:72.6/59

All: 0.022+/-0.037 χ^2/NDF: 137.2/114


asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 251.872+/-0.042 χ²/NDF: 1974521.5/31
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 224.659+/-0.037 χ²/NDF: 3631049.8/35
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 628.702+/-0.080 χ²/NDF: 9539311.9/46
Right: 236.749+/-0.028 χ²/NDF: 5841398.0/67
In: 297.402+/-0.039 χ²/NDF:16222298.9/54
Out: 264.217+/-0.035 χ²/NDF:20222578.8/59
All: 279.197+/-0.026 χ²/NDF: 36839312.4/11


asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
100
120
140
160
180
200
220
Right In: -0.029+/-0.059 χ²/NDF: 35.1/31
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.094+/-0.053 χ²/NDF: 41.2/35
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.039+/-0.039 χ²/NDF: 78.7/67
In: -0.043+/-0.055 χ²/NDF:62.1/54
Out: 0.076+/-0.050 χ²/NDF:72.6/59
All: 0.022+/-0.037 χ²/NDF: 137.2/114

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 251.872+/-0.042 χ^2/NDF: 1974521.5/31

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 224.659+/-0.037 χ^2/NDF: 3631049.8/35

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

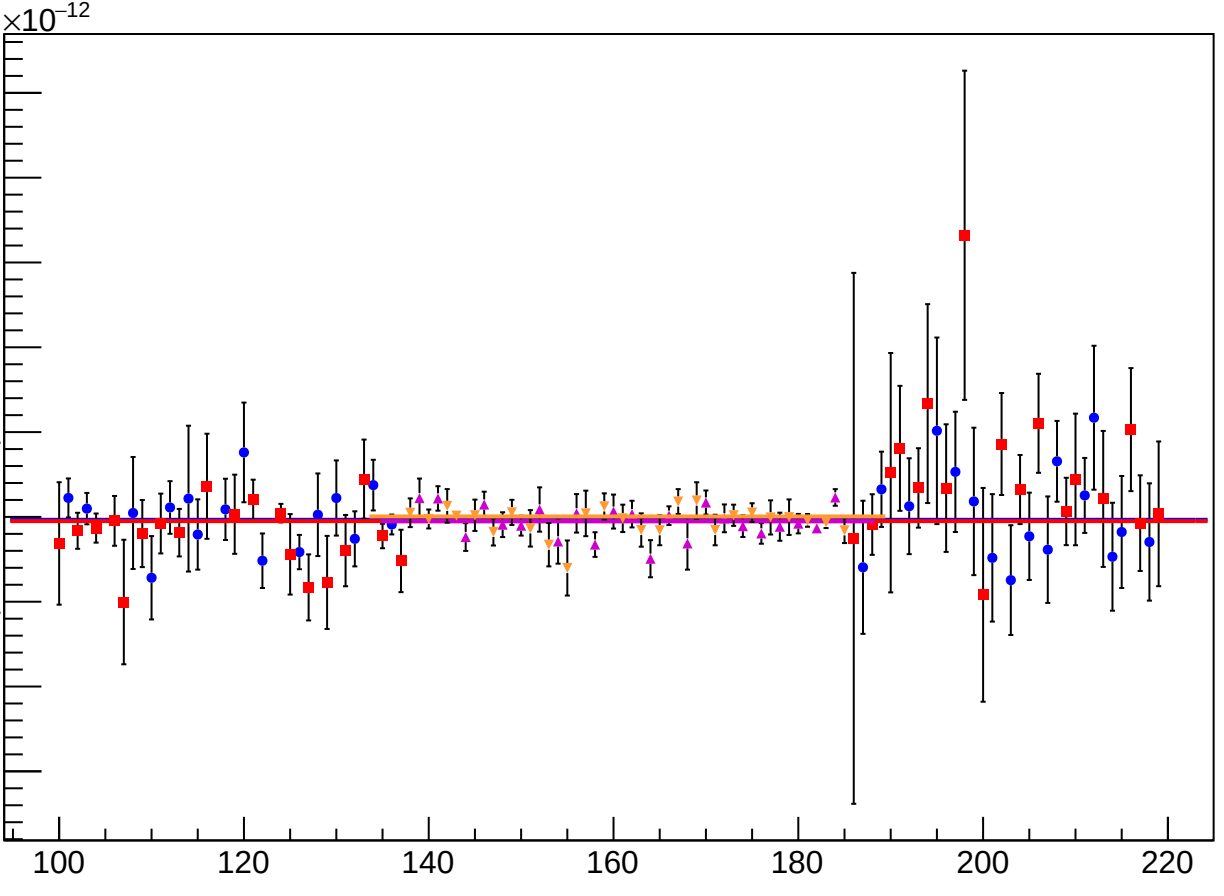
Right: 236.749+/-0.028 χ^2/NDF: 5841398.0/67

In: 297.402+/-0.039 χ^2/NDF:16222298.9/54

Out: 264.217+/-0.035 χ^2/NDF:20222578.8/59

All: 279.197+/-0.026 χ^2/NDF: 36839312.4/11

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 24.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.6/36

Left In: -0.000+/-0.000 χ^2/NDF:33.4/22

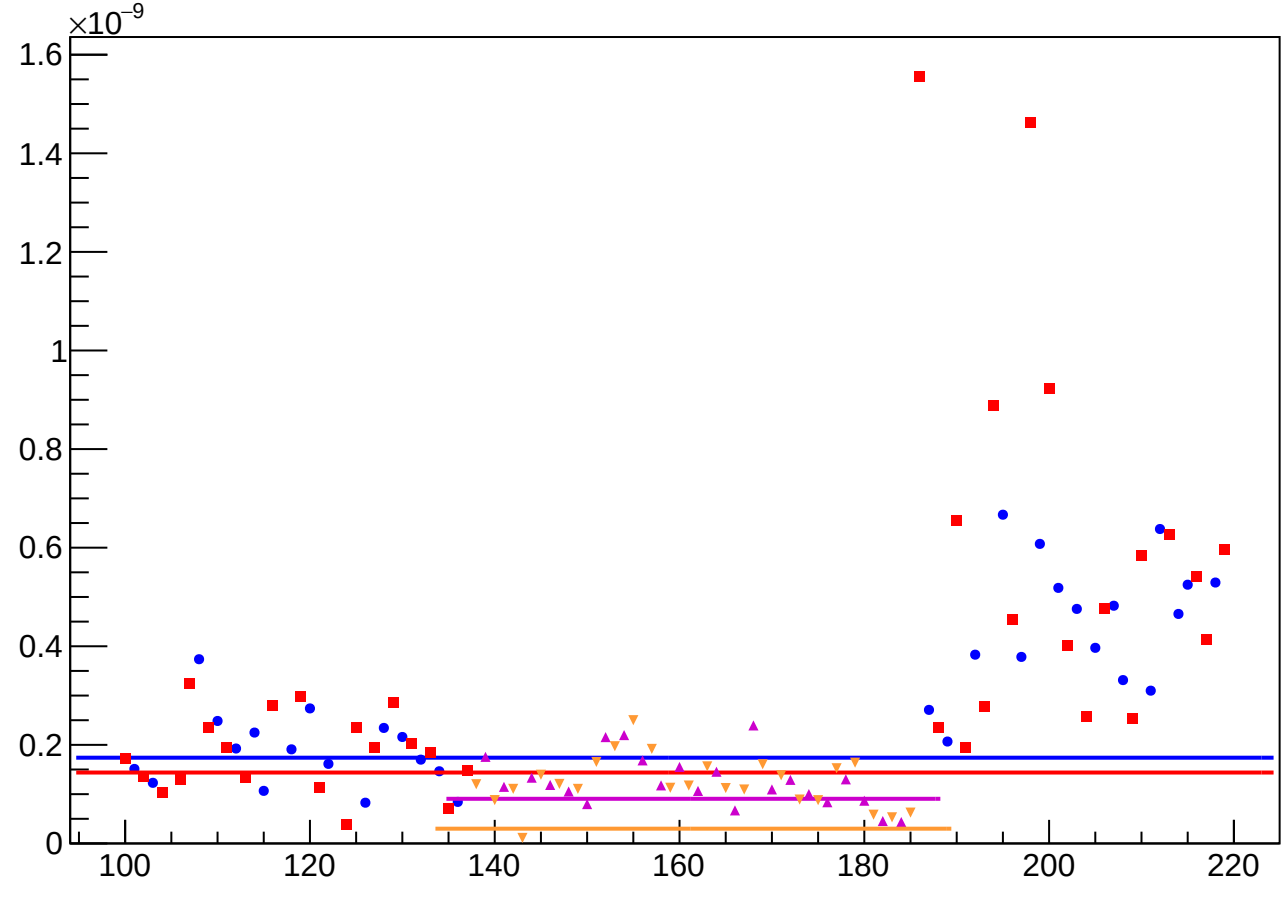
Left: -0.000+/-0.000 χ^2/NDF: 52.5/47

Right: -0.000+/-0.000 χ^2/NDF: 58.6/68

In: -0.000+/-0.000 χ^2/NDF:58.3/54

Out: 0.000+/-0.000 χ^2/NDF:50.4/61

All: -0.000+/-0.000 χ^2/NDF: 111.9/116



Right In: 0.000+/-0.000 χ^2/NDF: 7788974.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11563535.1/36

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

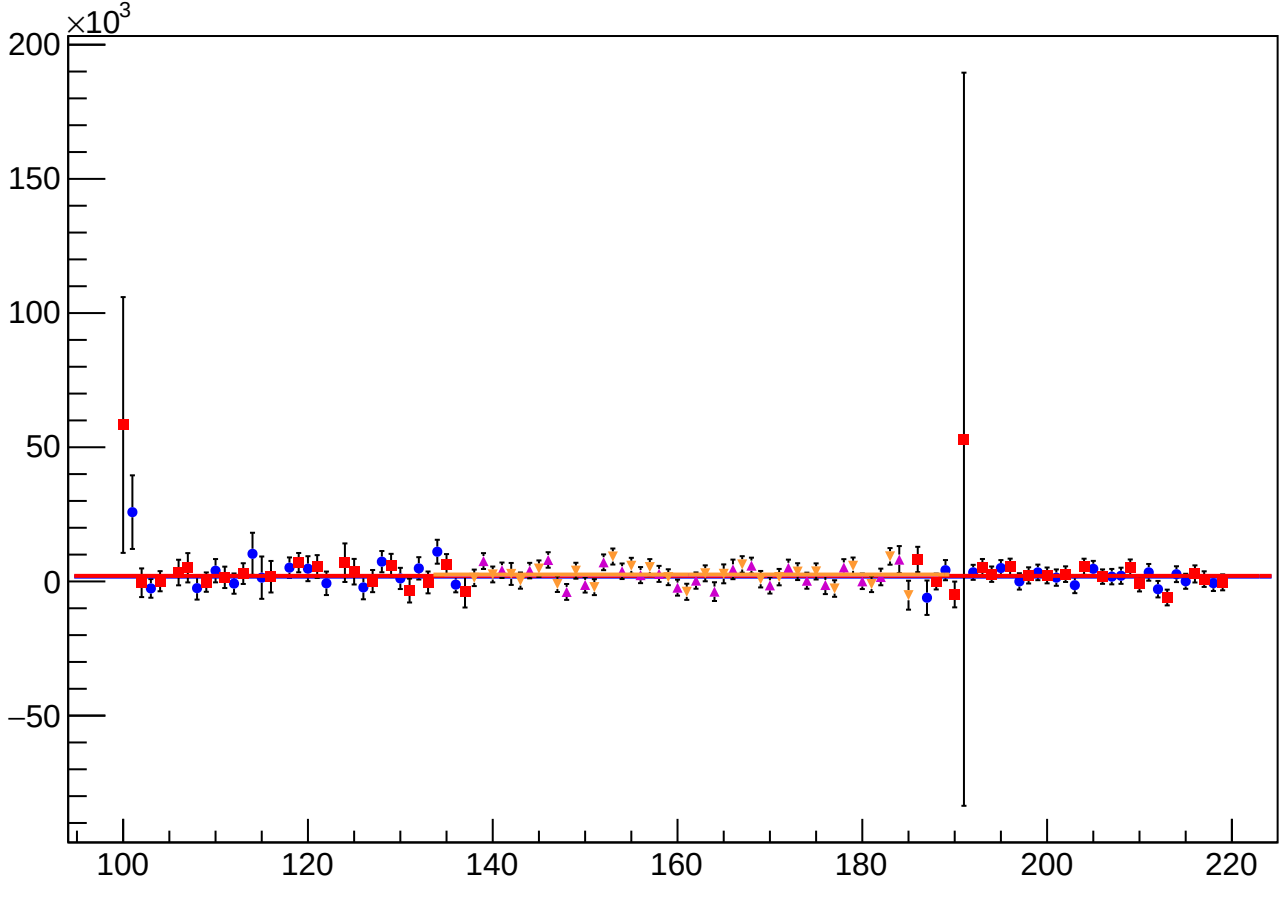
Right: 0.000+/-0.000 χ^2/NDF: 19618112.6/68

In: 0.000+/-0.000 χ^2/NDF:15527489.4/54

Out: 0.000+/-0.000 χ^2/NDF:36963515.3/61

All: 0.000+/-0.000 χ^2/NDF: 63777393.0/116

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1791.313+/-623.622 χ^2/NDF: 27.8/31

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2077.624+/-606.229 χ^2/NDF: 29.2/36

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

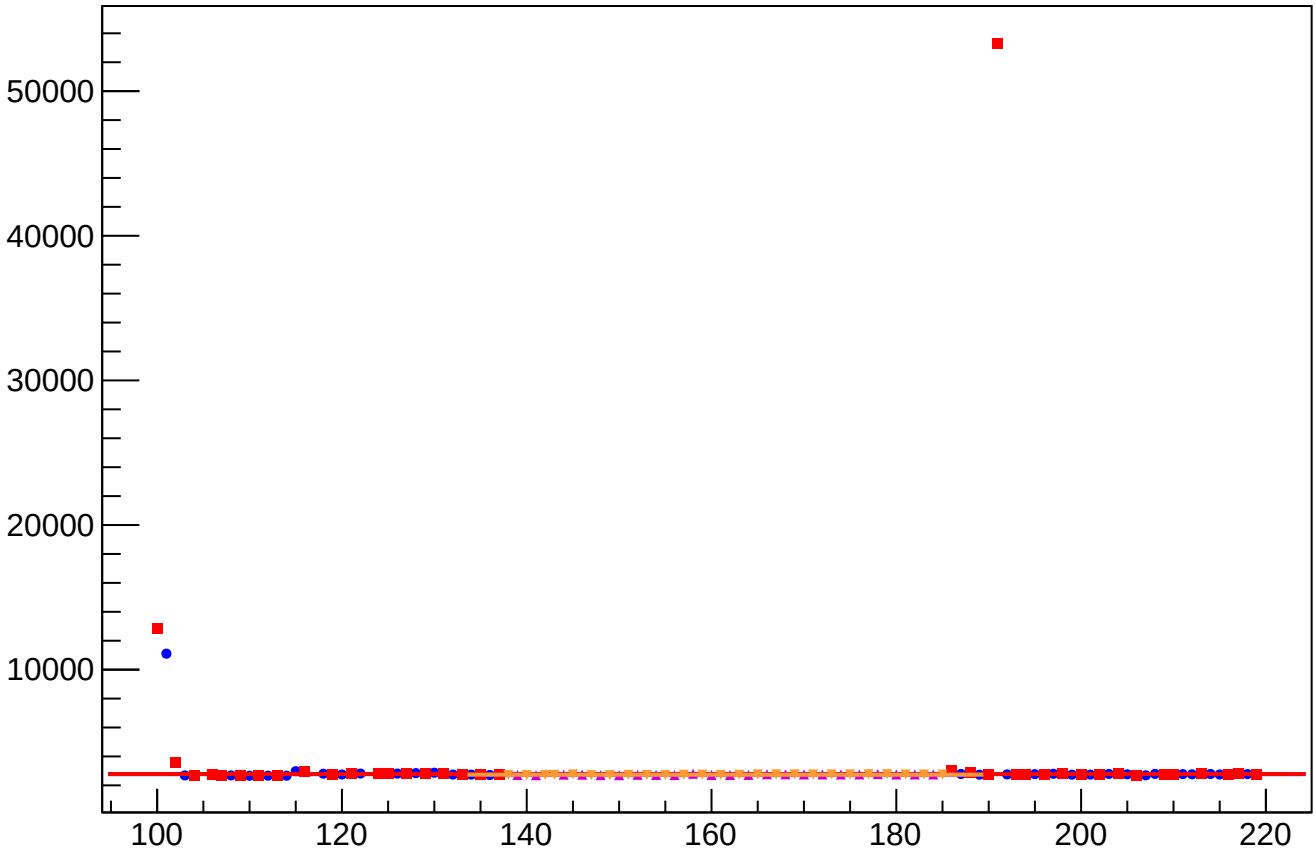
Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

Right: 1938.517+/-434.688 χ^2/NDF: 57.1/68

In: 2091.952+/-446.552 χ^2/NDF:59.6/54

Out: 2311.139+/-434.079 χ^2/NDF:61.1/61

All: 2204.650+/-311.257 χ^2/NDF: 120.9/116



Right In: 2777.615+/-0.441 χ^2/NDF: 750729.2/31

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2782.342+/-0.429 χ^2/NDF: 482469.8/36

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

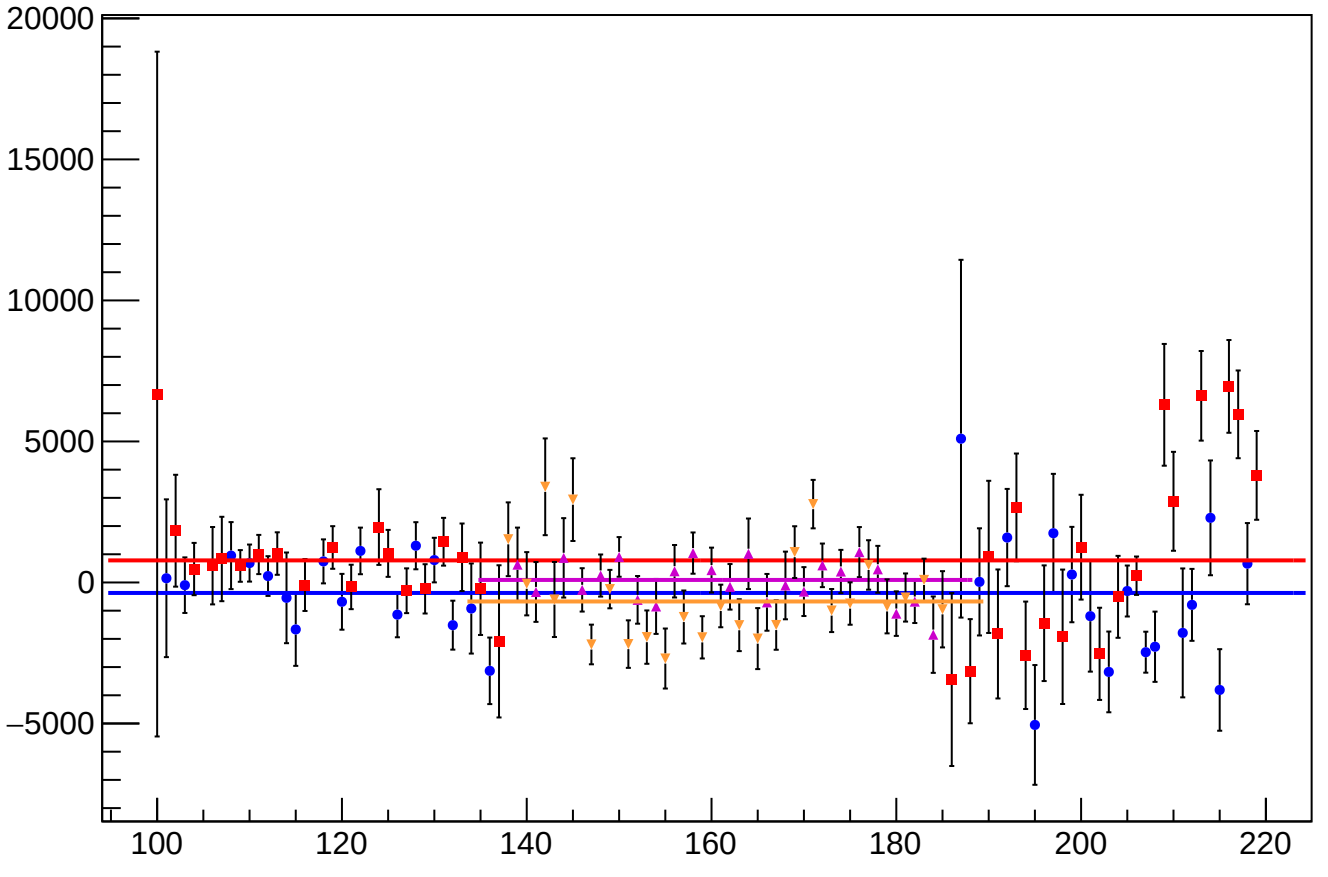
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2780.045+/-0.307 χ^2/NDF: 1233258.0/68

In: 2759.220+/-0.316 χ^2/NDF:757662.4/54

Out: 2760.500+/-0.307 χ^2/NDF:490115.3/61

All: 2759.878+/-0.220 χ^2/NDF: 1247786.2/11



Right In: -371.604+/-194.993 χ^2/NDF: 56.8/31

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 782.691+/-187.133 χ^2/NDF: 80.0/36

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

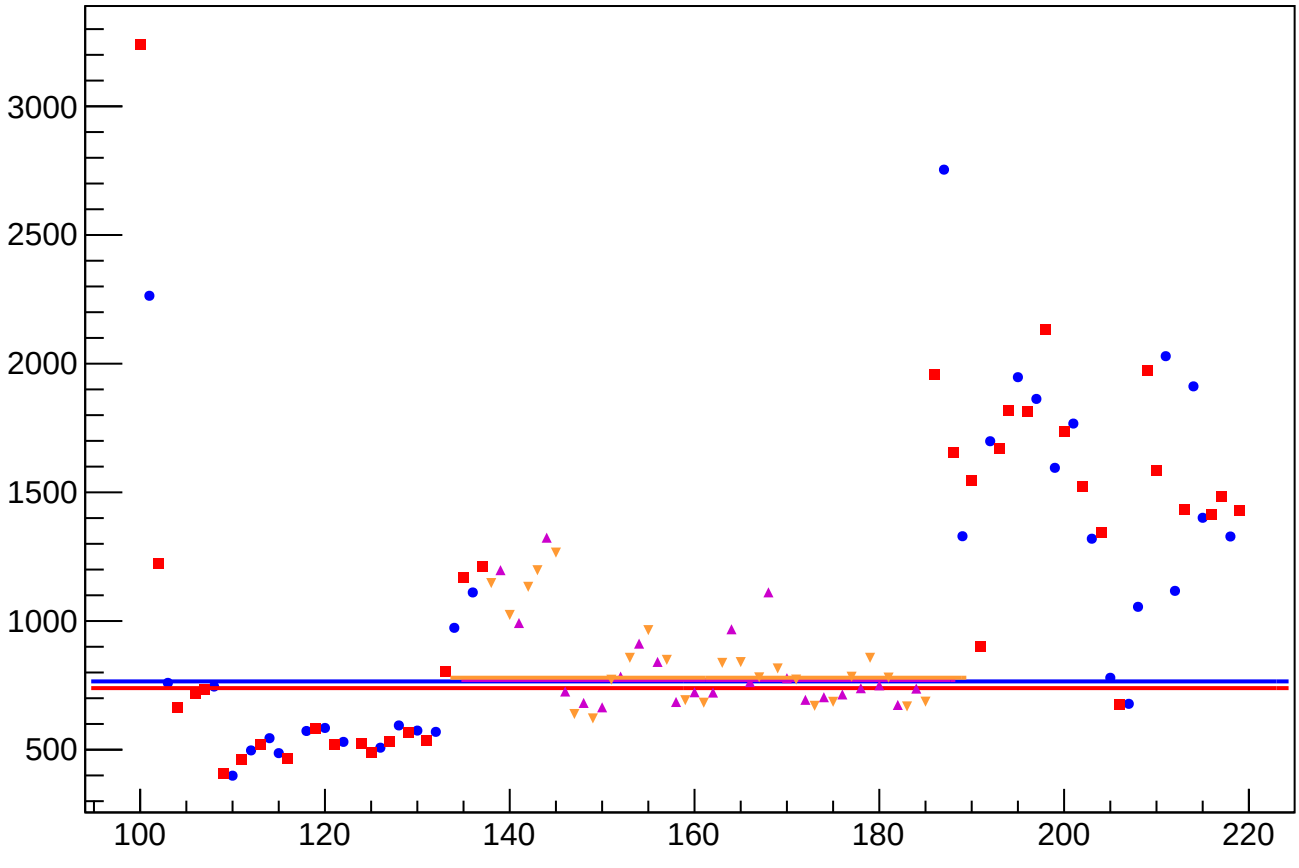
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 229.275+/-135.016 χ^2/NDF: 155.0/68

In: -127.043+/-133.629 χ^2/NDF:74.5/54

Out: 31.167+/-130.186 χ^2/NDF:169.6/61

All: -45.873+/-93.249 χ^2/NDF: 244.8/116



Right In: 765.435+/-0.138 χ^2/NDF: 8335532.8/31

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 739.289+/-0.132 χ^2/NDF: 10007208.0/36

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

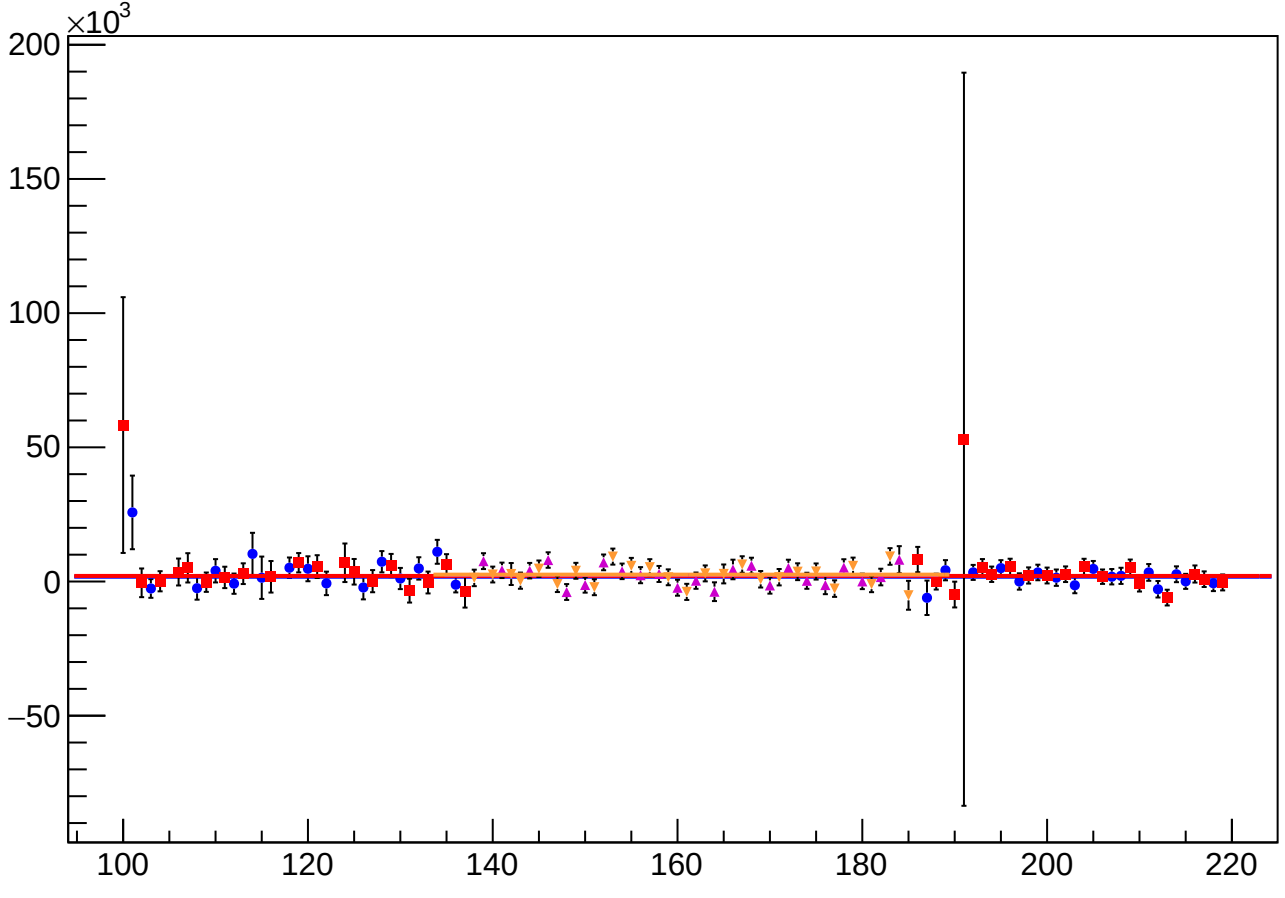
Right: 751.825+/-0.095 χ^2/NDF: 18361459.6/68

In: 768.278+/-0.094 χ^2/NDF:9412689.1/54

Out: 760.150+/-0.092 χ^2/NDF:11299114.1/61

All: 764.108+/-0.066 χ^2/NDF: 20715599.5/1

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1790.979+/-623.622 χ^2/NDF: 27.8/31

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2079.141+/-606.707 χ^2/NDF: 29.2/36

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

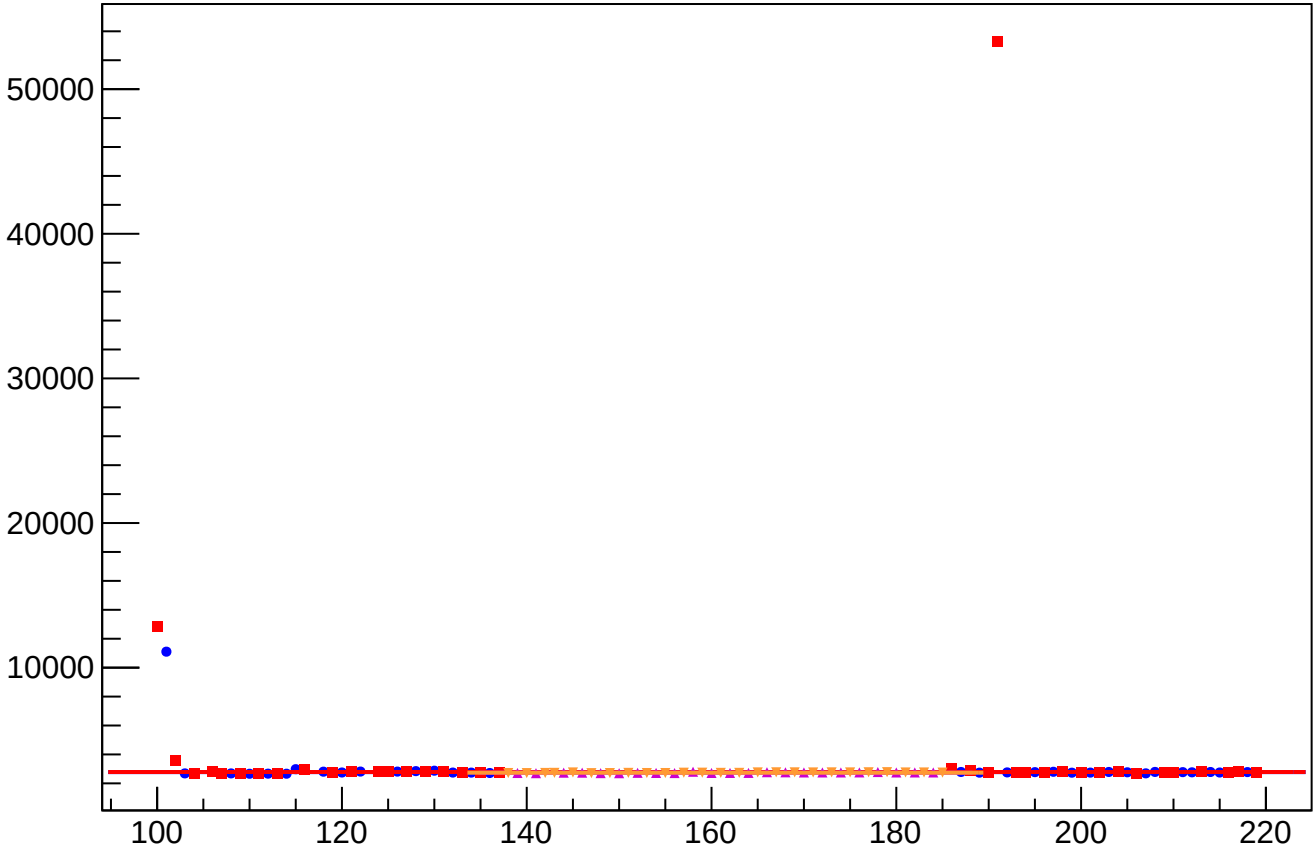
Right: 1939.021+/-434.864 χ^2/NDF: 57.1/68

In: 2091.850+/-446.552 χ^2/NDF:59.6/54

Out: 2312.085+/-434.254 χ^2/NDF:61.1/61

All: 2205.042+/-311.321 χ^2/NDF: 120.9/116

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2777.615+/-0.441 χ^2/NDF: 750728.3/31

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2784.156+/-0.429 χ^2/NDF: 482378.8/36

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

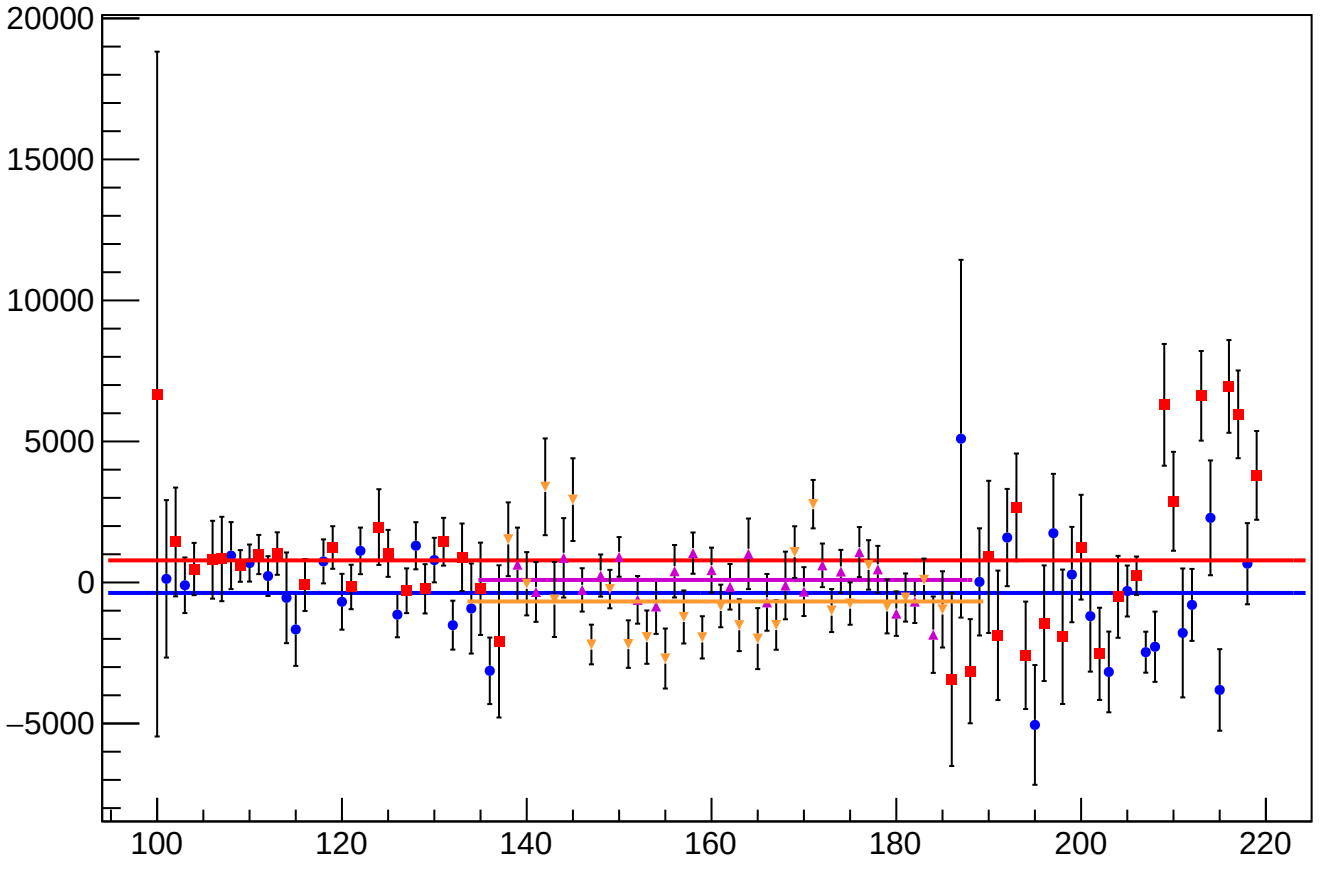
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2780.975+/-0.307 χ^2/NDF: 1233220.1/68

In: 2759.220+/-0.316 χ^2/NDF:757661.5/54

Out: 2761.411+/-0.307 χ^2/NDF:490459.8/61

All: 2760.346+/-0.220 χ^2/NDF: 1248146.0/11



Right In: -371.603+/-194.986 χ^2/NDF: 56.8/31

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 783.323+/-187.109 χ^2/NDF: 79.8/36

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

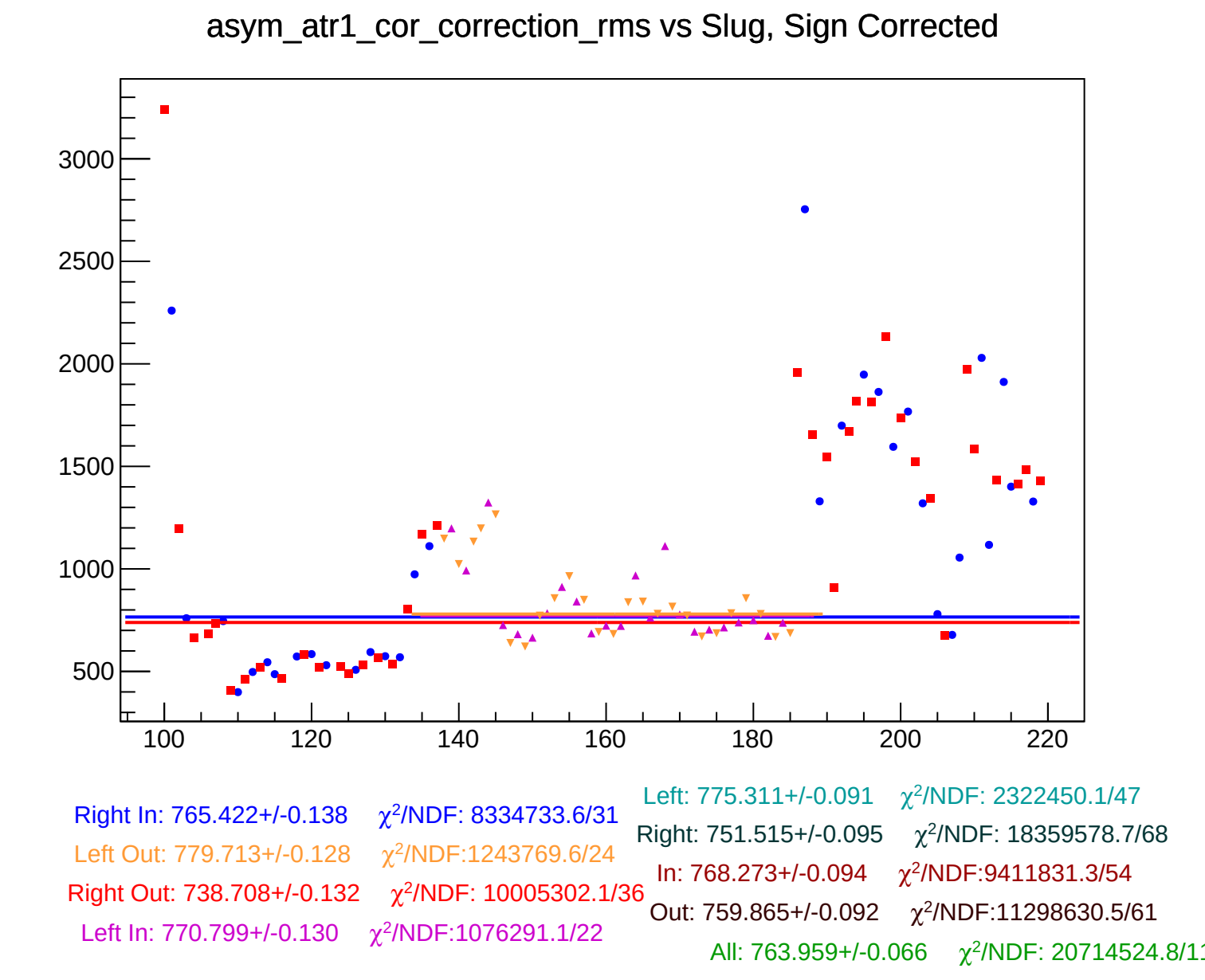
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 229.661+/-135.005 χ^2/NDF: 154.9/68

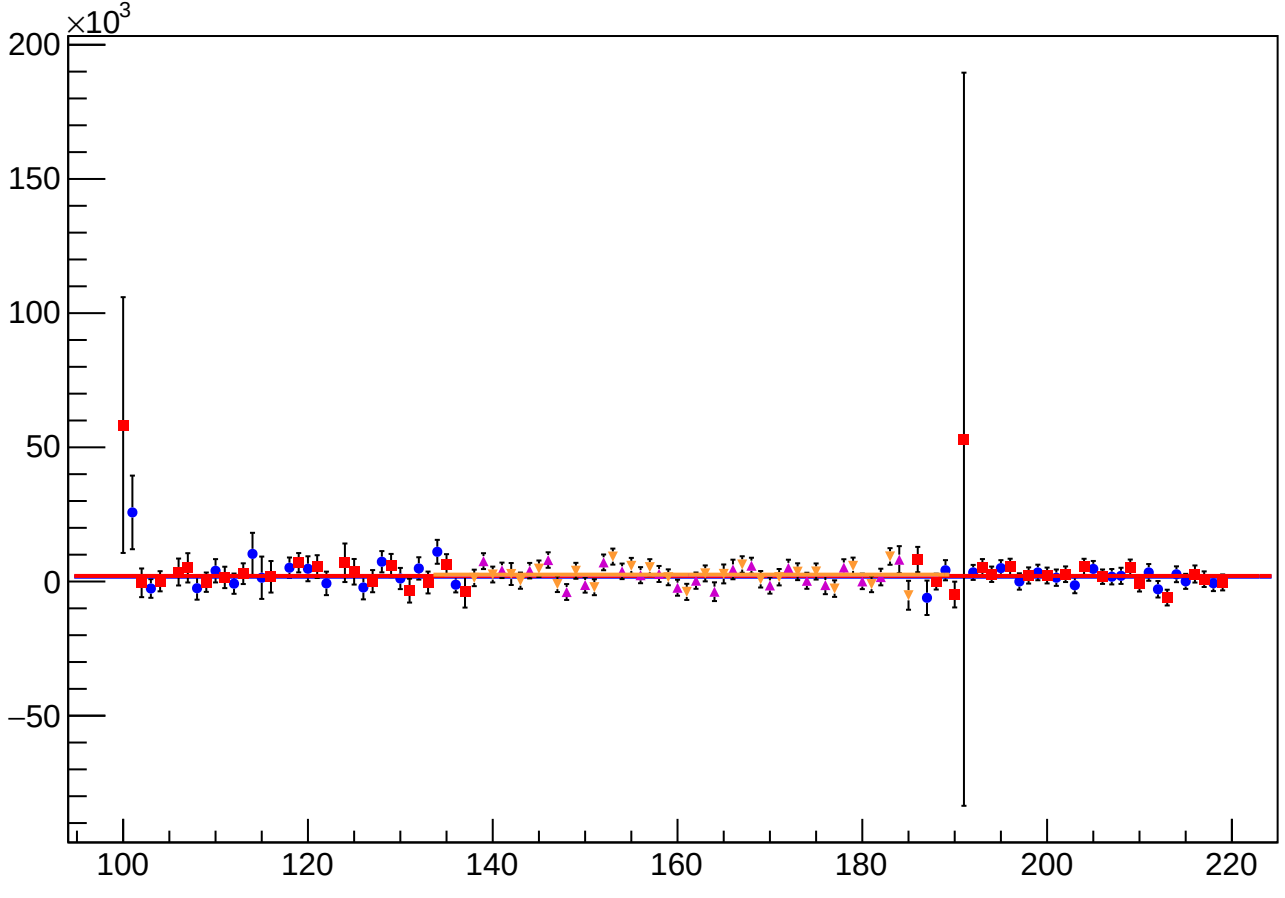
In: -126.985+/-133.627 χ^2/NDF:74.5/54

Out: 31.612+/-130.178 χ^2/NDF:169.5/61

All: -45.613+/-93.245 χ^2/NDF: 244.7/116


asym_atr1_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 765.422+/-0.138 χ²/NDF: 8334733.6/31
Left Out: 779.713+/-0.128 χ²/NDF:1243769.6/24
Right Out: 738.708+/-0.132 χ²/NDF: 10005302.1/36
Left In: 770.799+/-0.130 χ²/NDF:1076291.1/22
Left: 775.311+/-0.091 χ²/NDF: 2322450.1/47
Right: 751.515+/-0.095 χ²/NDF: 18359578.7/68
In: 768.273+/-0.094 χ²/NDF:9411831.3/54
Out: 759.865+/-0.092 χ²/NDF:11298630.5/61
All: 763.959+/-0.066 χ²/NDF: 20714524.8/11

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1790.979+/-623.622 χ^2/NDF: 27.8/31

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2079.141+/-606.707 χ^2/NDF: 29.2/36

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

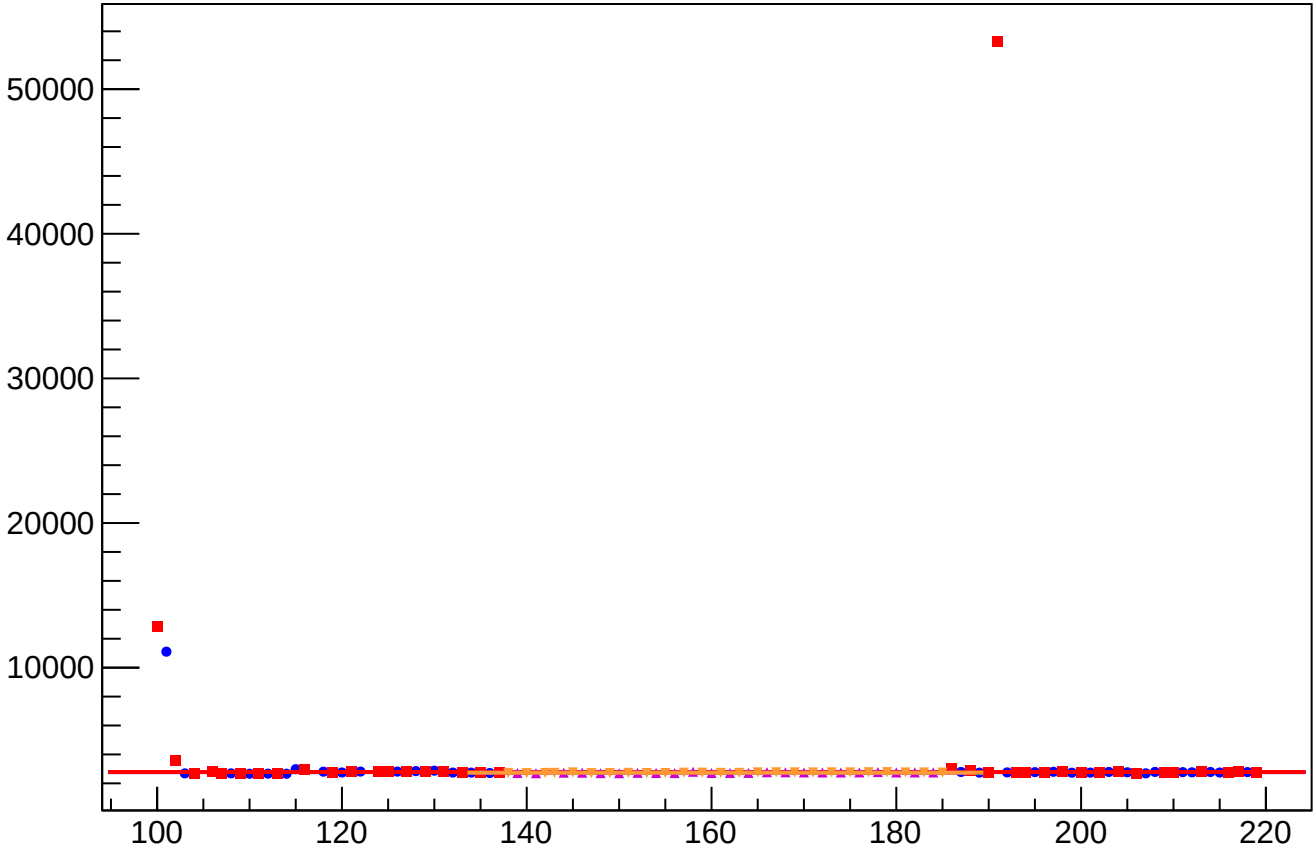
Right: 1939.021+/-434.864 χ^2/NDF: 57.1/68

In: 2091.850+/-446.552 χ^2/NDF:59.6/54

Out: 2312.085+/-434.254 χ^2/NDF:61.1/61

All: 2205.042+/-311.321 χ^2/NDF: 120.9/116

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2777.615+/-0.441 χ^2/NDF: 750728.3/31

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2784.156+/-0.429 χ^2/NDF: 482378.8/36

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

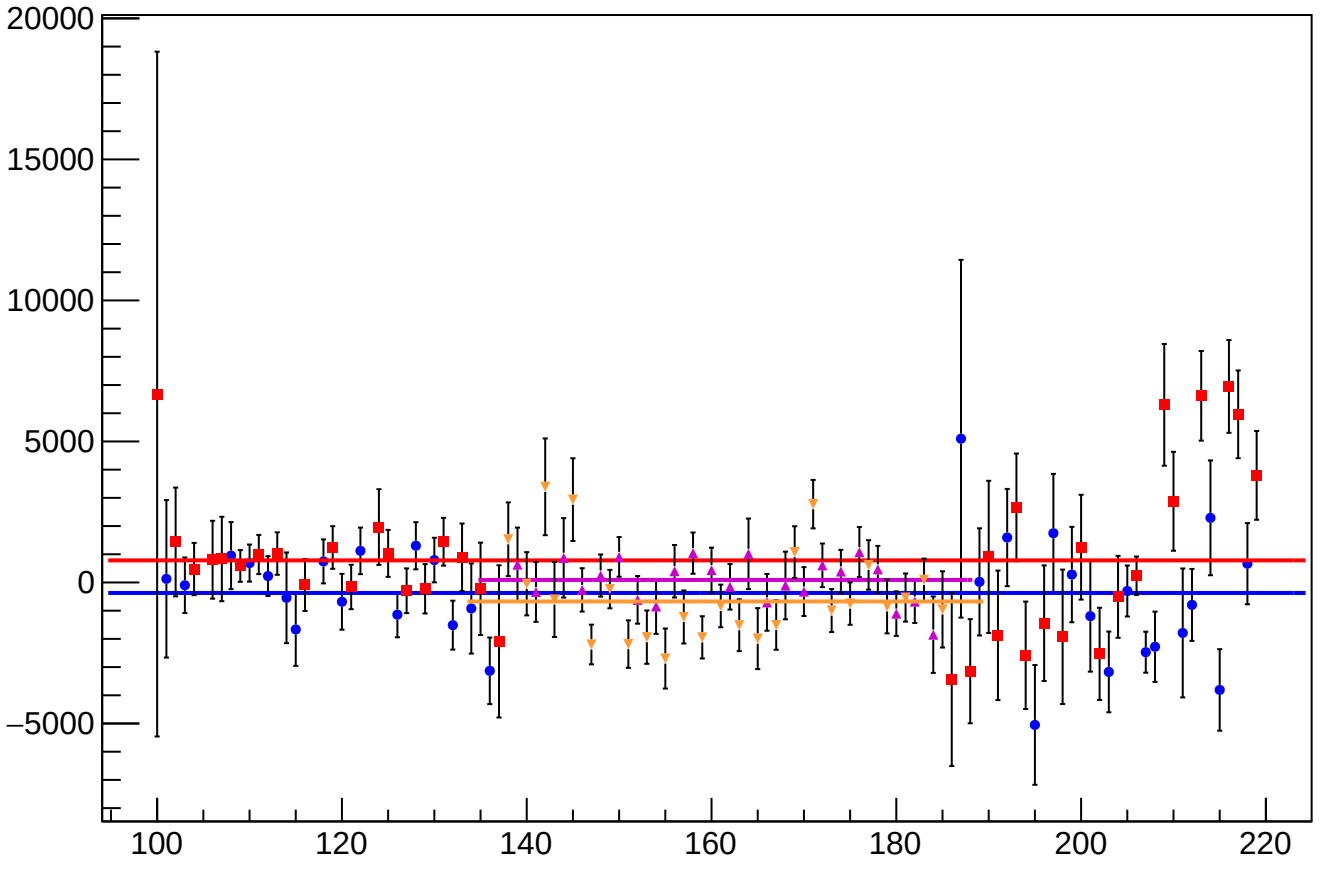
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2780.975+/-0.307 χ^2/NDF: 1233220.1/68

In: 2759.220+/-0.316 χ^2/NDF:757661.5/54

Out: 2761.411+/-0.307 χ^2/NDF:490459.8/61

All: 2760.346+/-0.220 χ^2/NDF: 1248146.0/11



Right In: -371.603+/-194.986 χ^2/NDF: 56.8/31

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 783.323+/-187.109 χ^2/NDF: 79.8/36

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

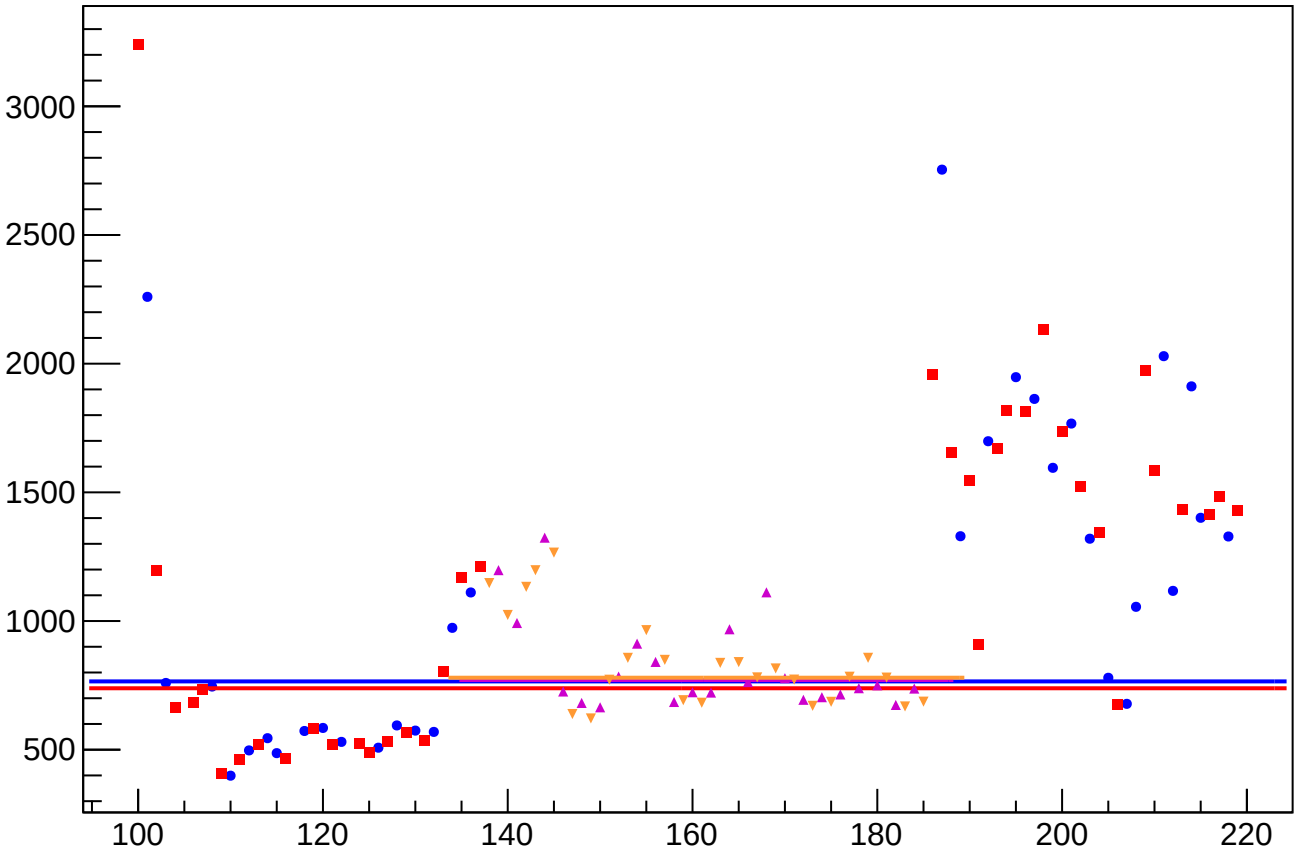
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 229.661+/-135.005 χ^2/NDF: 154.9/68

In: -126.985+/-133.627 χ^2/NDF:74.5/54

Out: 31.612+/-130.178 χ^2/NDF:169.5/61

All: -45.613+/-93.245 χ^2/NDF: 244.7/116



Right In: 765.422+/-0.138 χ^2/NDF: 8334733.6/31

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 738.708+/-0.132 χ^2/NDF: 10005302.1/36

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

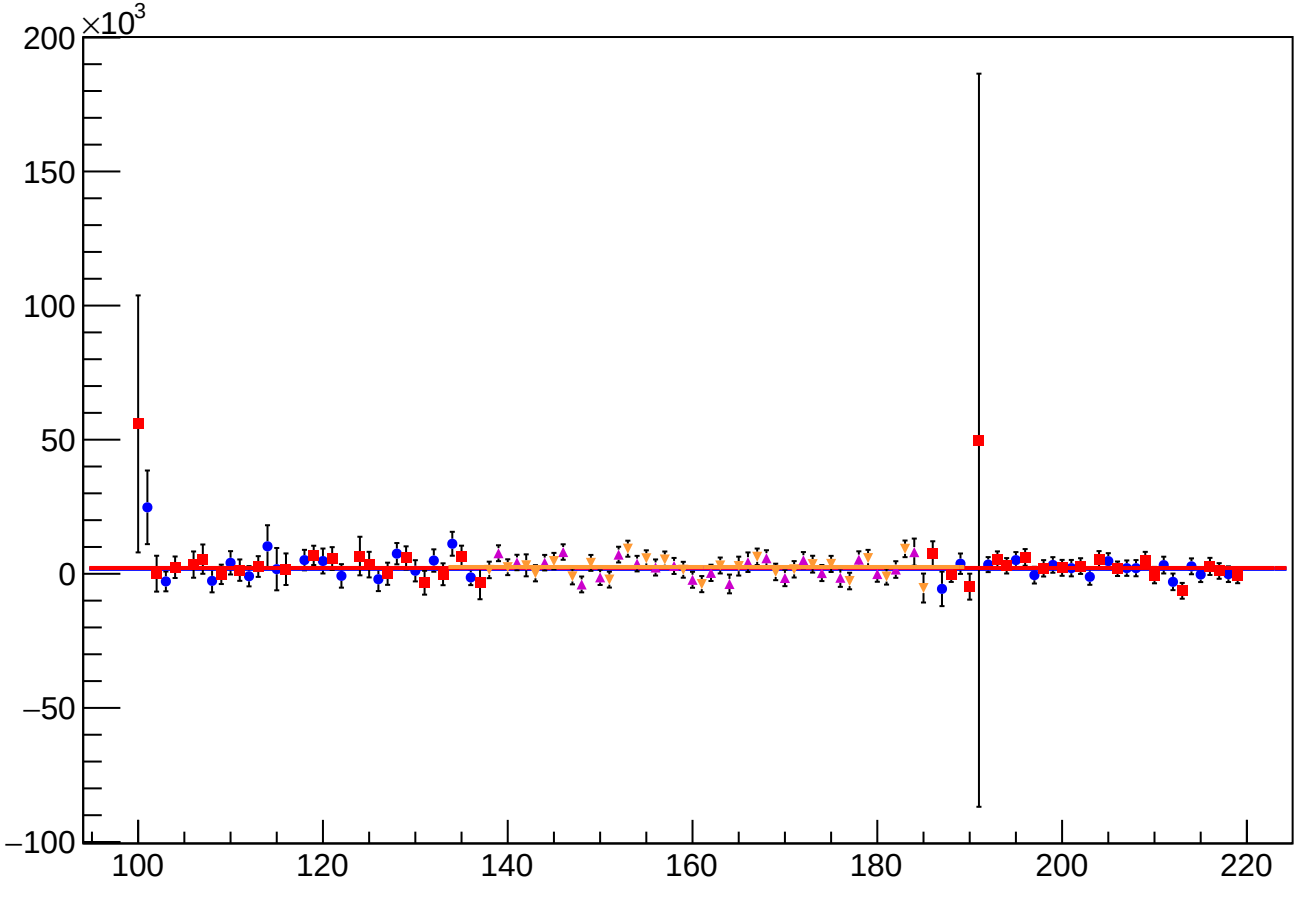
Right: 751.515+/-0.095 χ^2/NDF: 18359578.7/68

In: 768.273+/-0.094 χ^2/NDF:9411831.3/54

Out: 759.865+/-0.092 χ^2/NDF:11298630.5/61

All: 763.959+/-0.066 χ^2/NDF: 20714524.8/1

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1833.285+/-626.669 χ^2/NDF: 27.6/31

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2176.745+/-610.900 χ^2/NDF: 29.1/36

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

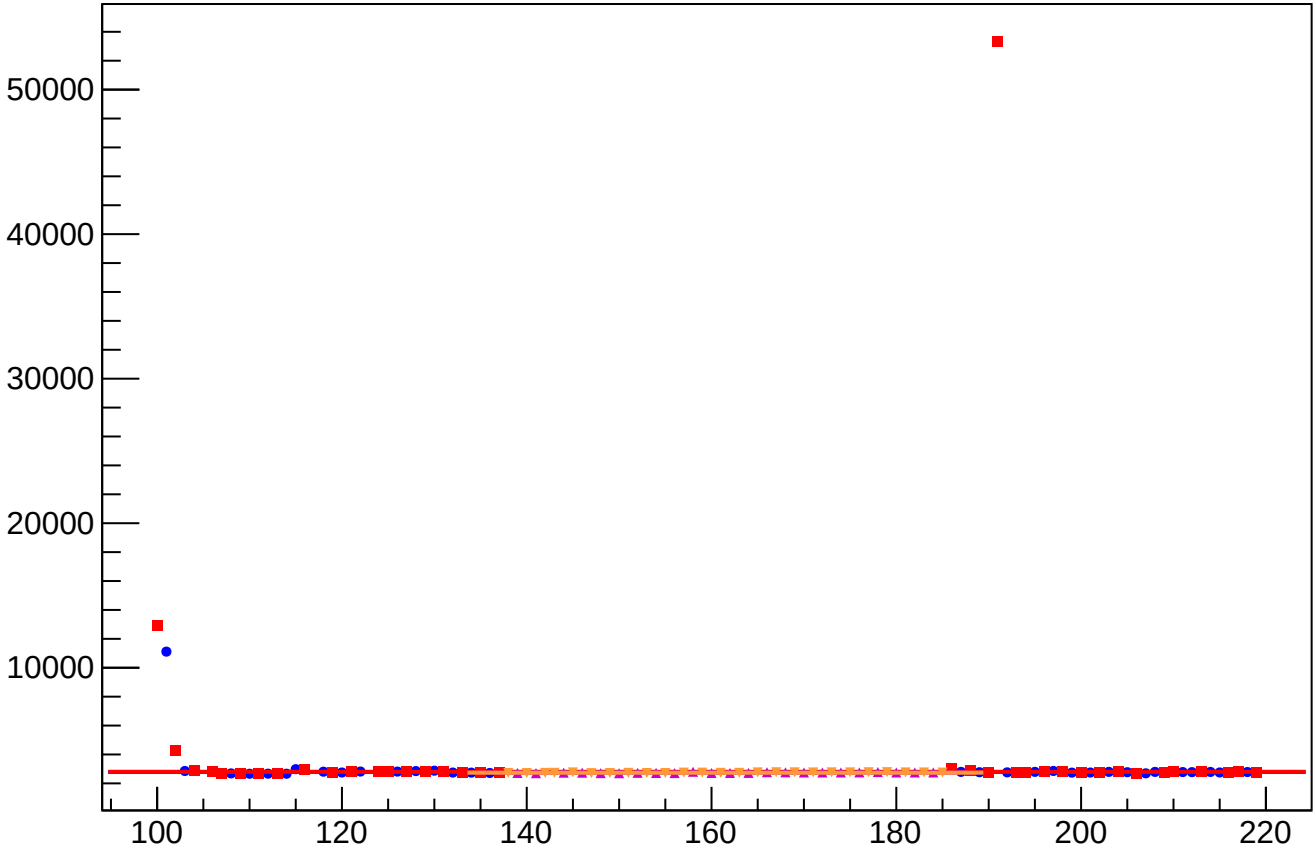
Right: 2009.390+/-437.440 χ^2/NDF: 56.9/68

In: 2113.997+/-447.790 χ^2/NDF:59.9/54

Out: 2357.509+/-435.924 χ^2/NDF:61.2/61

All: 2239.022+/-312.356 χ^2/NDF: 121.2/116

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2791.046+/-0.443 χ^2/NDF: 750545.3/31

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2798.696+/-0.432 χ^2/NDF: 536503.5/36

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

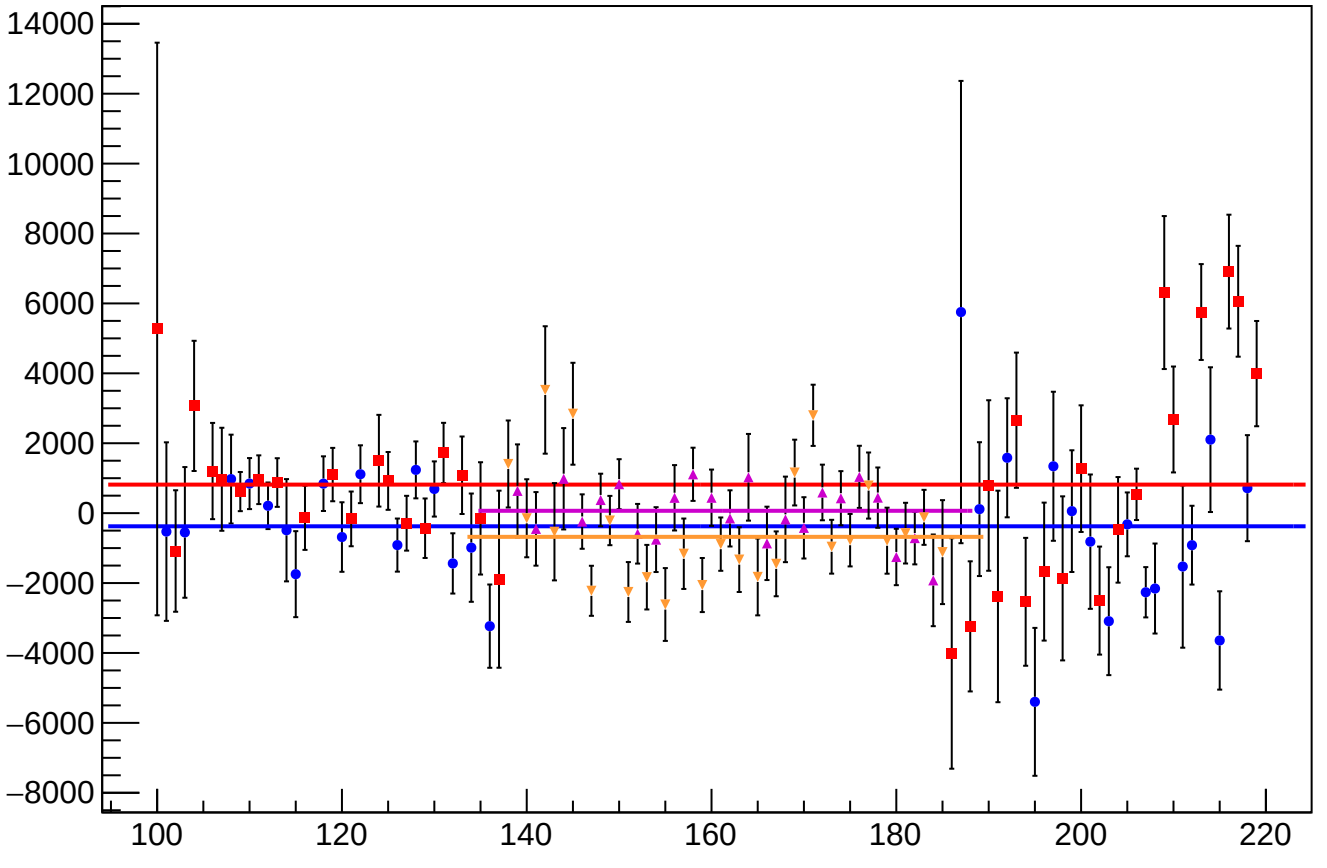
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2794.968+/-0.309 χ^2/NDF: 1287201.6/68

In: 2766.744+/-0.317 χ^2/NDF:760060.4/54

Out: 2769.546+/-0.308 χ^2/NDF:548103.8/61

All: 2768.183+/-0.221 χ^2/NDF: 1308204.4/11



Right In: -376.406+/-197.182 χ^2/NDF: 53.8/31

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: 816.398+/-188.022 χ^2/NDF: 84.0/36

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

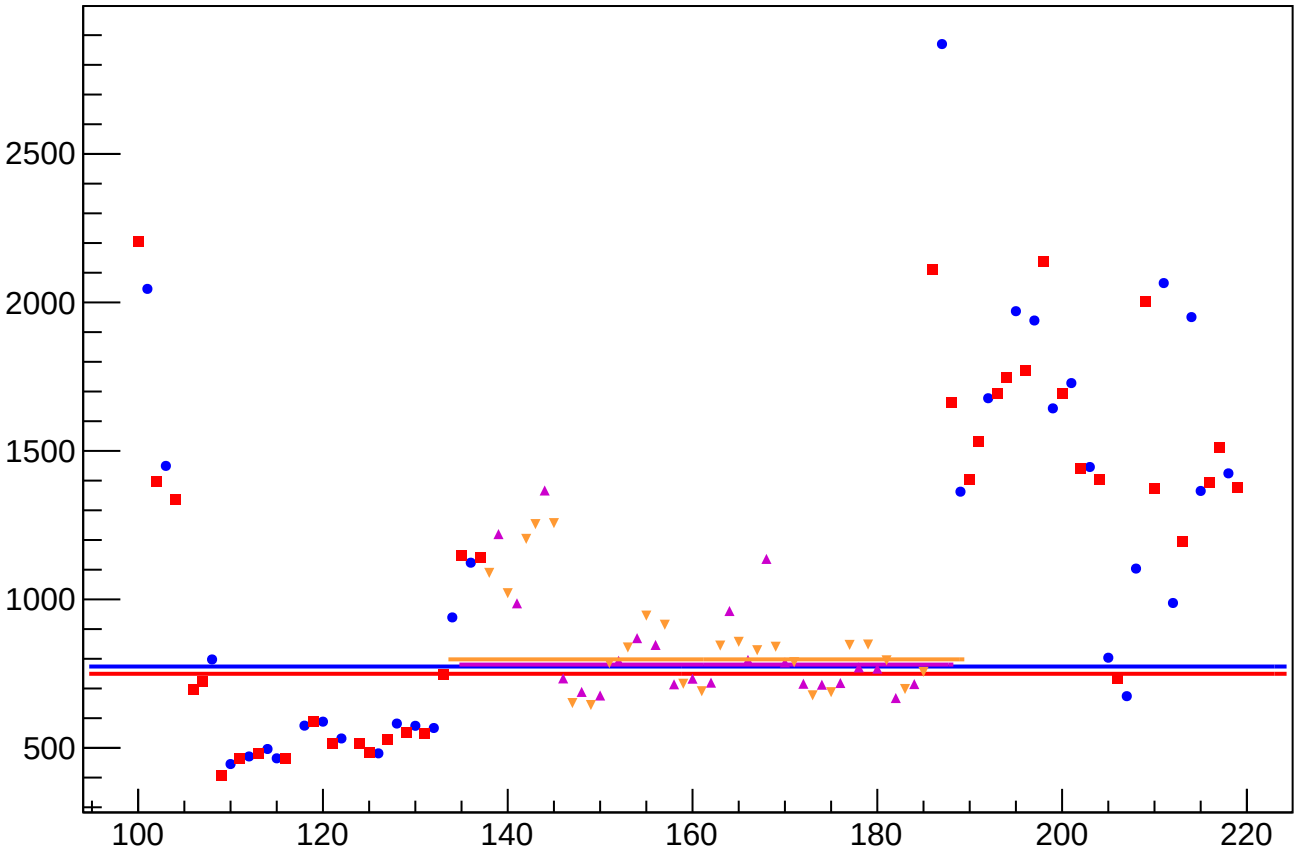
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 248.345+/-136.075 χ^2/NDF: 156.9/68

In: -141.020+/-135.085 χ^2/NDF:72.3/54

Out: 56.997+/-131.872 χ^2/NDF:172.3/61

All: -39.629+/-94.363 χ^2/NDF: 245.7/116



Right In: 773.957+/-0.139 χ^2/NDF: 8780607.3/31

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 749.467+/-0.133 χ^2/NDF: 10251544.3/36

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

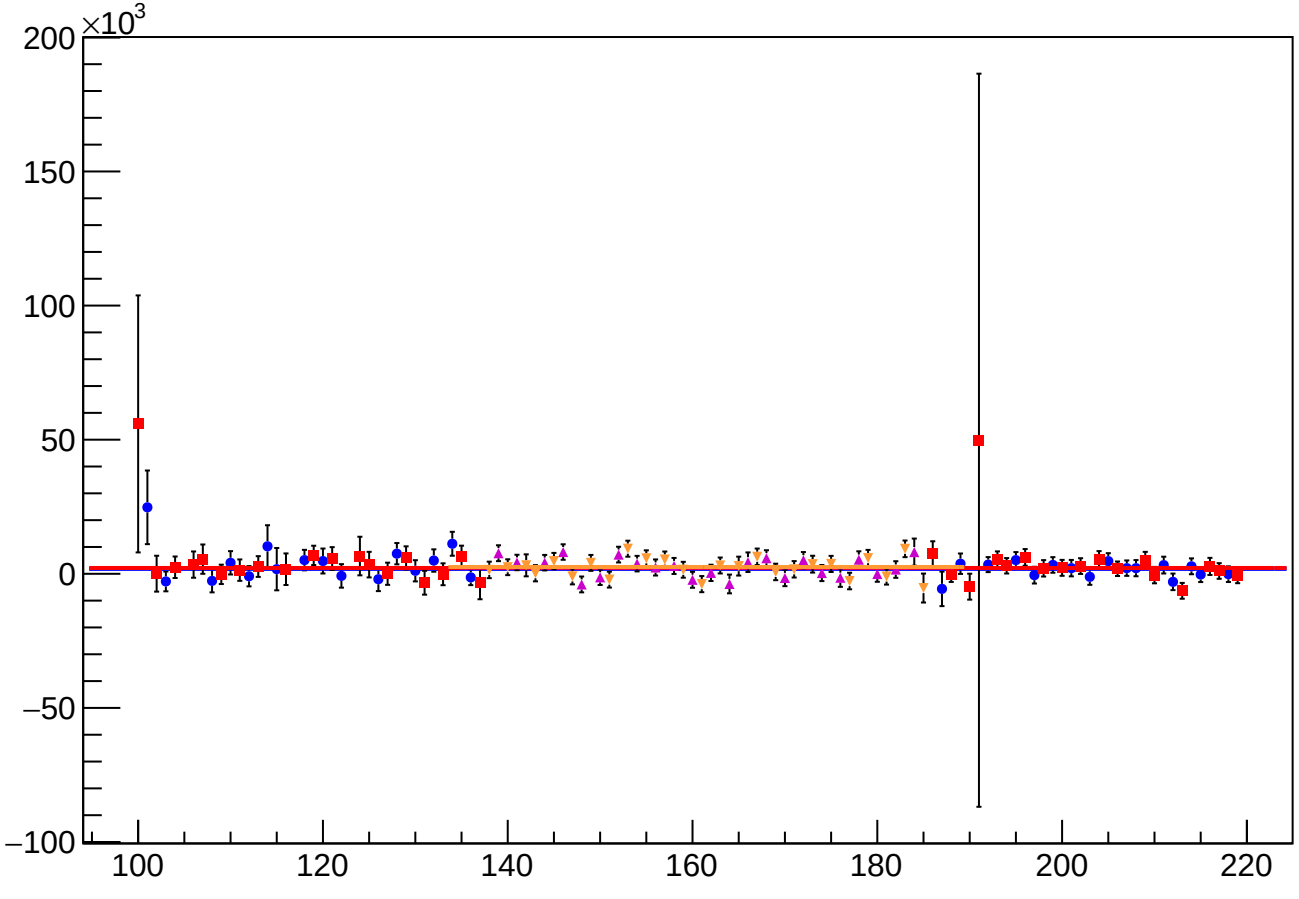
Right: 761.130+/-0.096 χ^2/NDF: 19048310.7/68

In: 777.443+/-0.096 χ^2/NDF:9846612.3/54

Out: 774.173+/-0.093 χ^2/NDF:11487856.8/61

All: 775.768+/-0.067 χ^2/NDF: 21335069.3/11

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1833.286+/-626.669 χ^2/NDF: 27.6/31

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2176.741+/-610.900 χ^2/NDF: 29.1/36

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

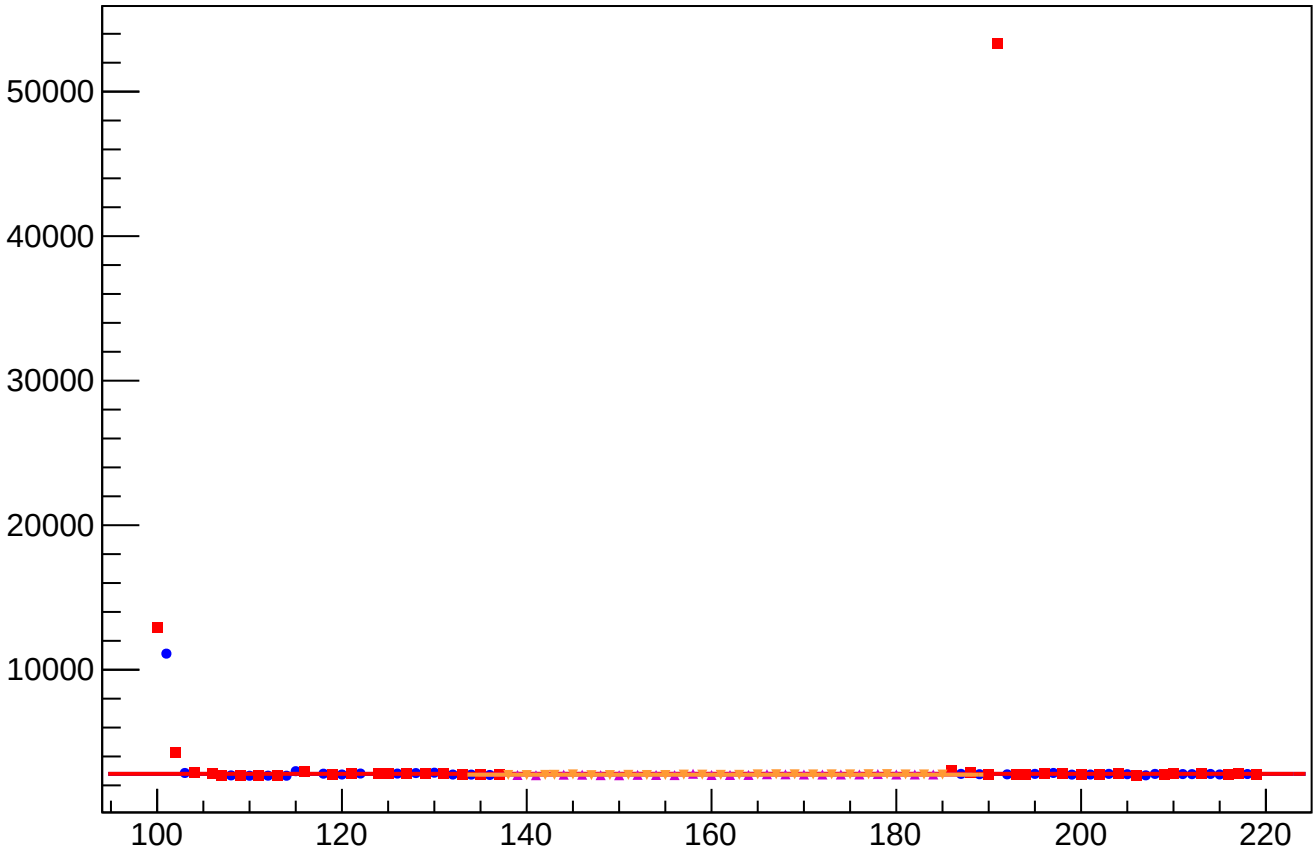
Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

Right: 2009.389+/-437.440 χ^2/NDF: 56.9/68

In: 2113.998+/-447.790 χ^2/NDF:59.9/54

Out: 2357.507+/-435.924 χ^2/NDF:61.2/61

All: 2239.022+/-312.356 χ^2/NDF: 121.2/116



Right In: 2791.046+/-0.443 χ^2/NDF: 750545.3/31

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2798.696+/-0.432 χ^2/NDF: 536503.3/36

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

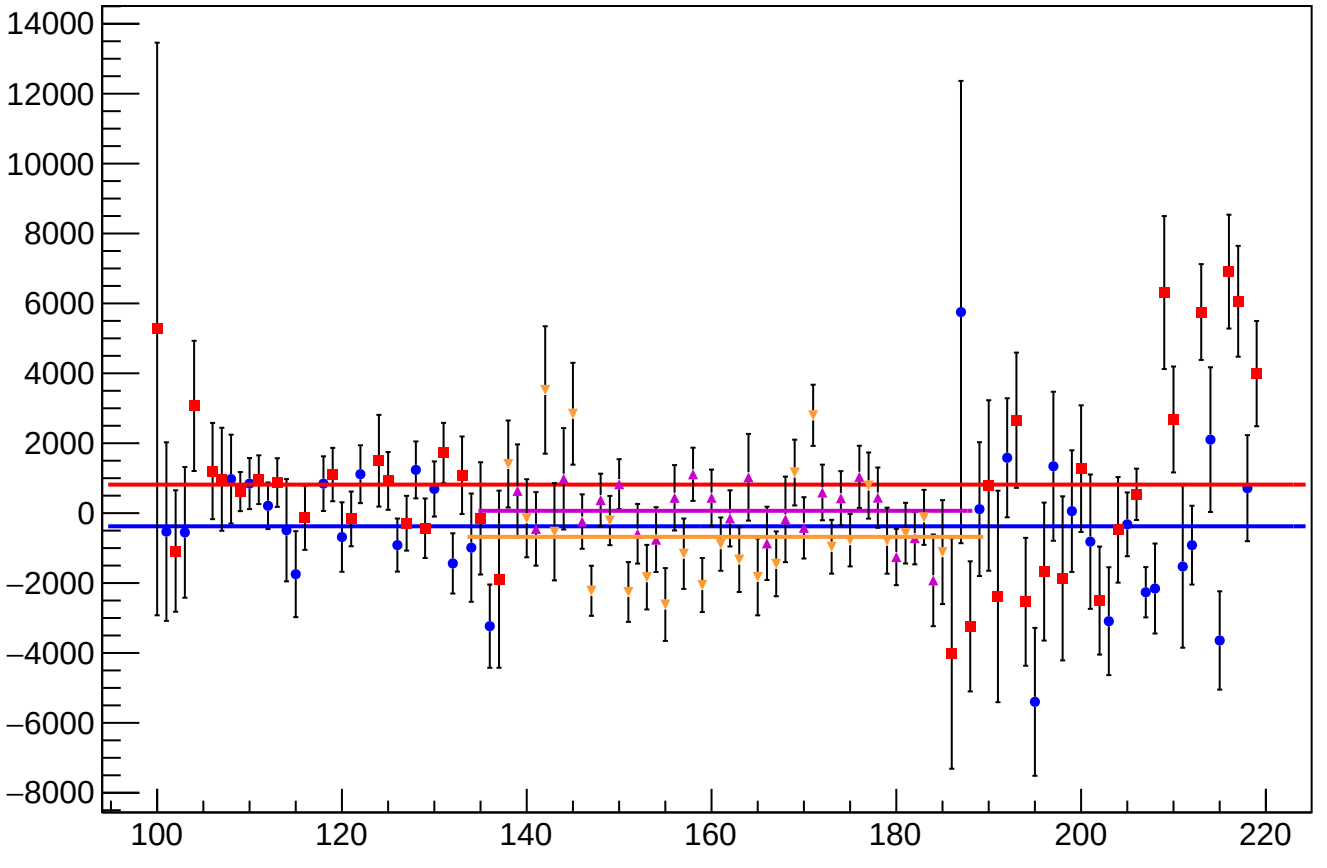
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2794.968+/-0.309 χ^2/NDF: 1287201.4/68

In: 2766.744+/-0.317 χ^2/NDF:760060.4/54

Out: 2769.546+/-0.308 χ^2/NDF:548103.6/61

All: 2768.183+/-0.221 χ^2/NDF: 1308204.1/11



Right In: -376.405+/-197.182 χ^2/NDF: 53.8/31

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 816.397+/-188.022 χ^2/NDF: 84.0/36

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

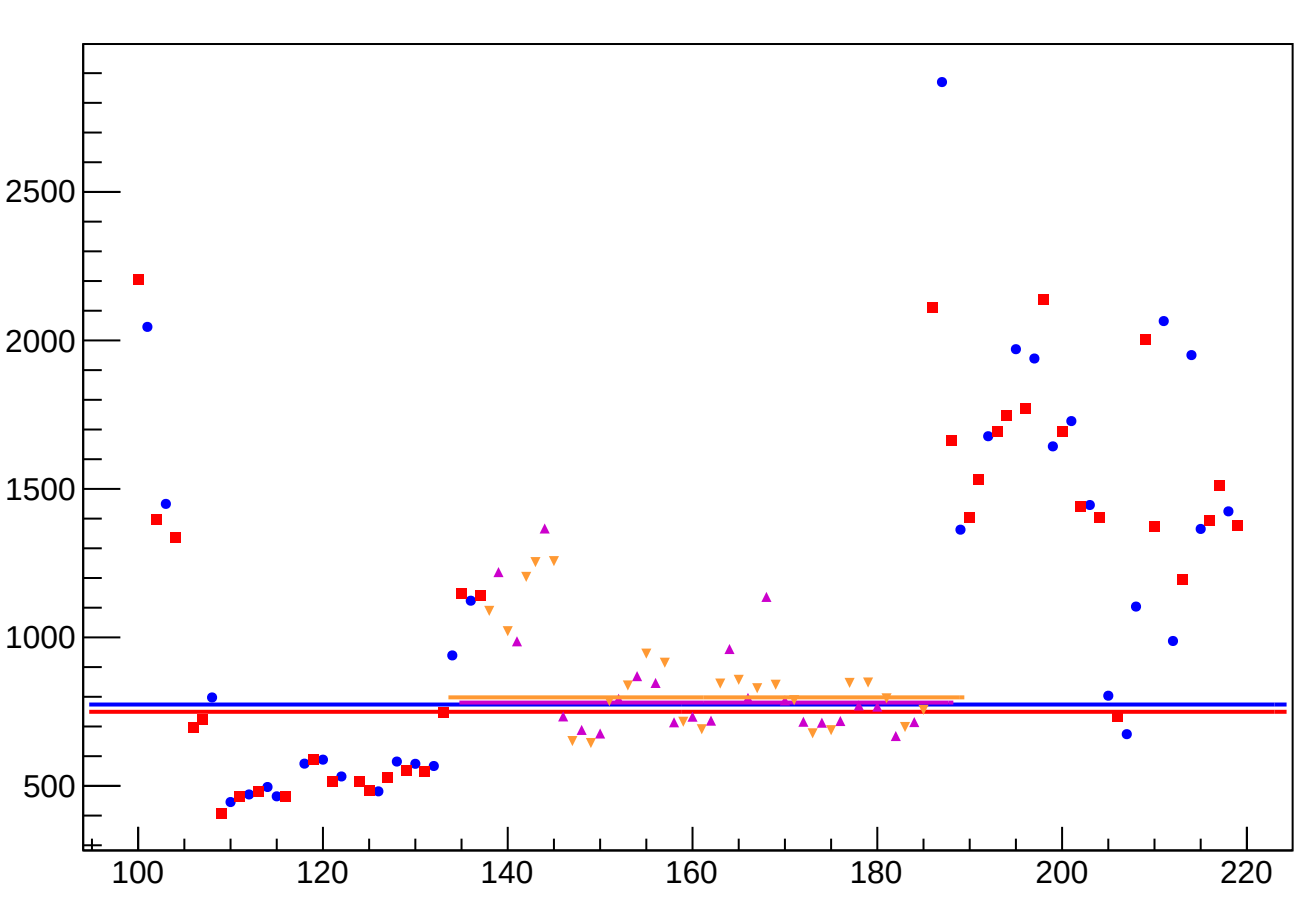
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 248.345+/-136.075 χ^2/NDF: 156.9/68

In: -141.019+/-135.085 χ^2/NDF:72.3/54

Out: 56.995+/-131.872 χ^2/NDF:172.3/61

All: -39.629+/-94.363 χ^2/NDF: 245.7/116



Right In: 773.958+/-0.139 χ^2/NDF: 8780609.4/31

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 749.468+/-0.133 χ^2/NDF: 10251558.8/36

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

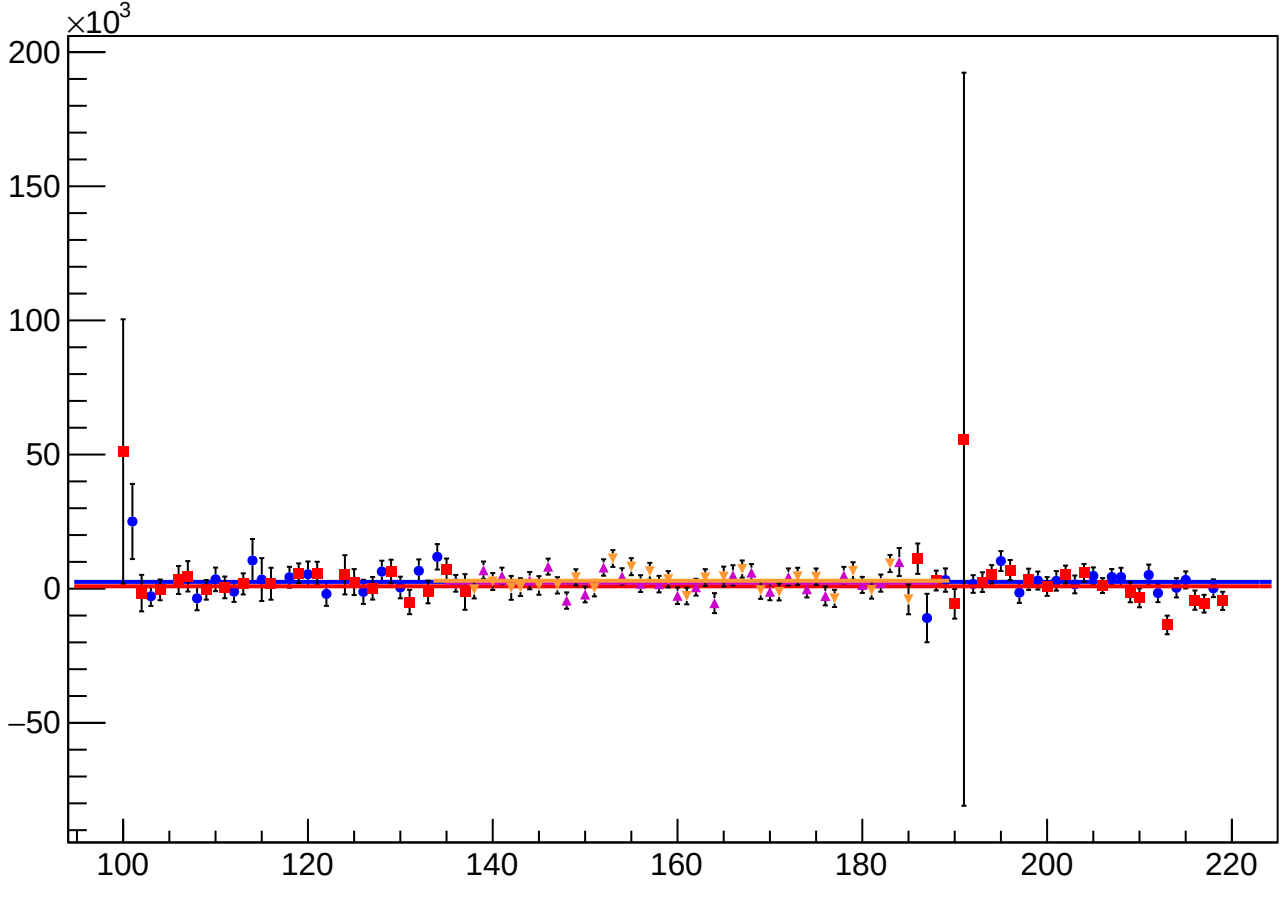
Right: 761.131+/-0.096 χ^2/NDF: 19048327.7/68

In: 777.443+/-0.096 χ^2/NDF:9846617.4/54

Out: 774.173+/-0.093 χ^2/NDF:11487872.8/61

All: 775.769+/-0.067 χ^2/NDF: 21335090.3/11

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2544.797+/-691.917 χ^2/NDF: 28.8/31

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 895.953+/-678.275 χ^2/NDF: 52.7/36

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

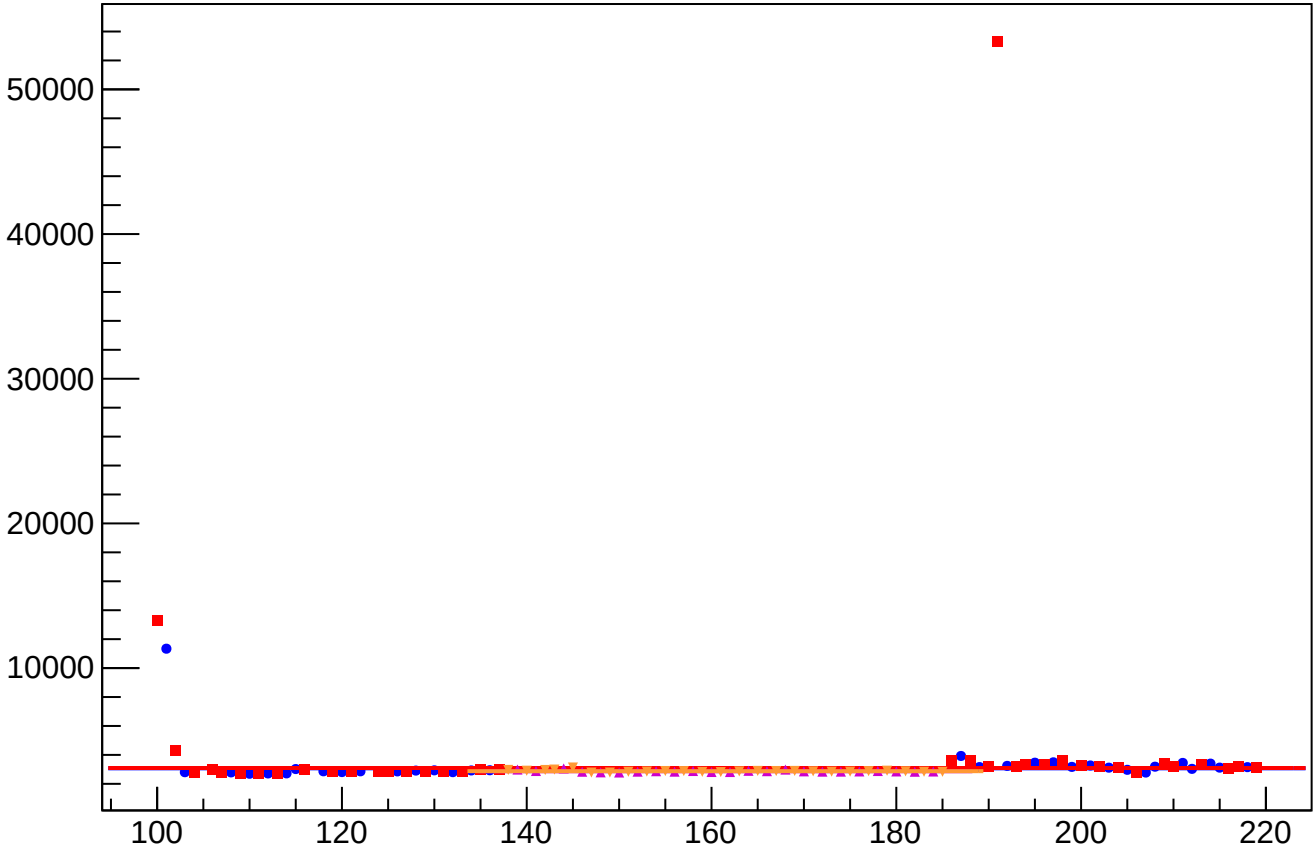
Right: 1703.961+/-484.364 χ^2/NDF: 84.4/68

In: 2386.277+/-481.445 χ^2/NDF:62.7/54

Out: 1971.542+/-470.529 χ^2/NDF:93.3/61

All: 2174.155+/-336.507 χ^2/NDF: 156.4/116

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3071.781+/-0.489 χ^2/NDF: 928281.2/31

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3094.480+/-0.480 χ^2/NDF: 763072.1/36

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

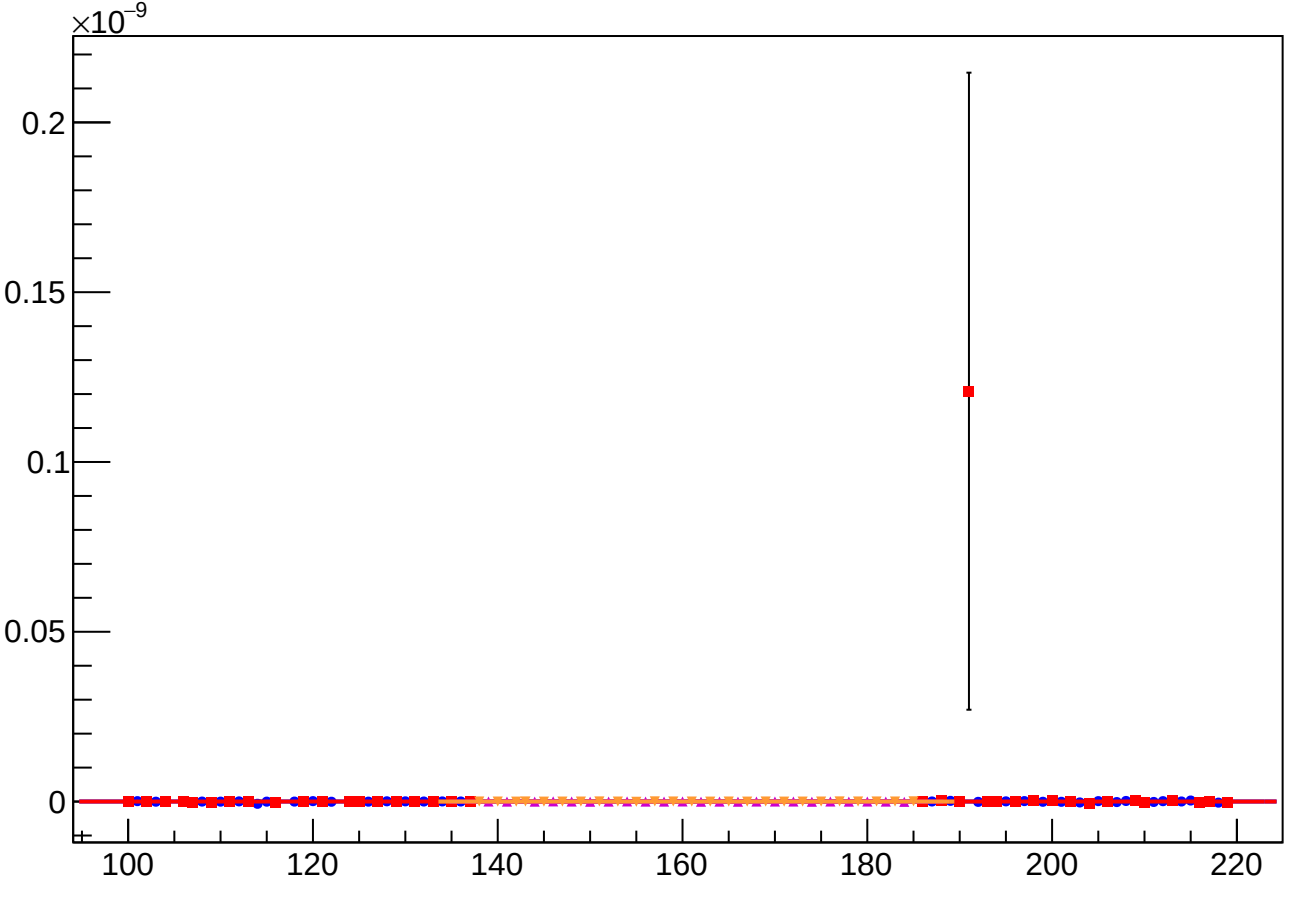
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3083.356+/-0.342 χ^2/NDF: 1692451.0/68

In: 2967.772+/-0.340 χ^2/NDF:1033576.8/54

Out: 2980.588+/-0.333 χ^2/NDF:893563.4/61

All: 2974.327+/-0.238 χ^2/NDF: 1927865.0/11



Right In: 0.000+/-0.000 χ^2/NDF: 28.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 47.6/36

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

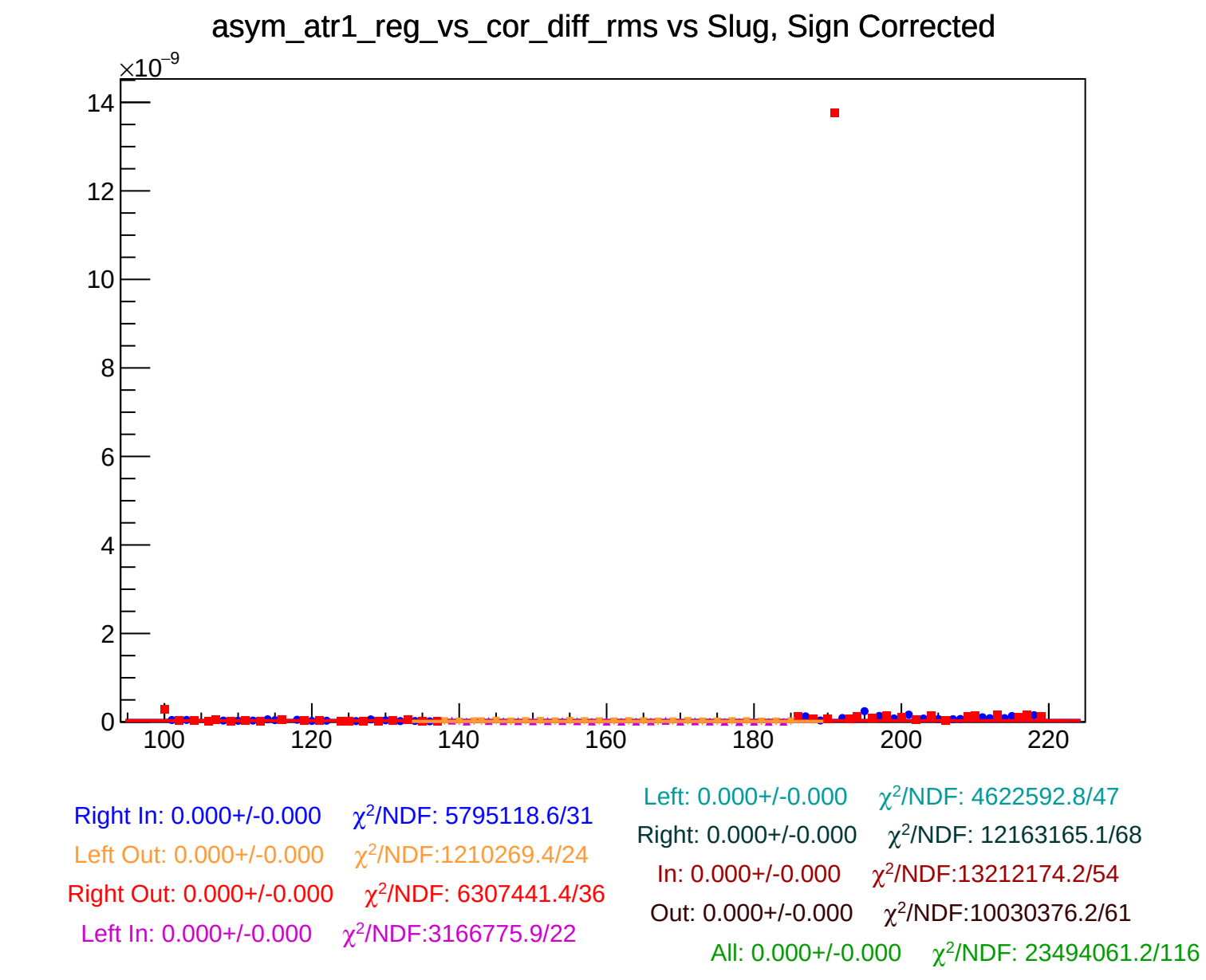
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

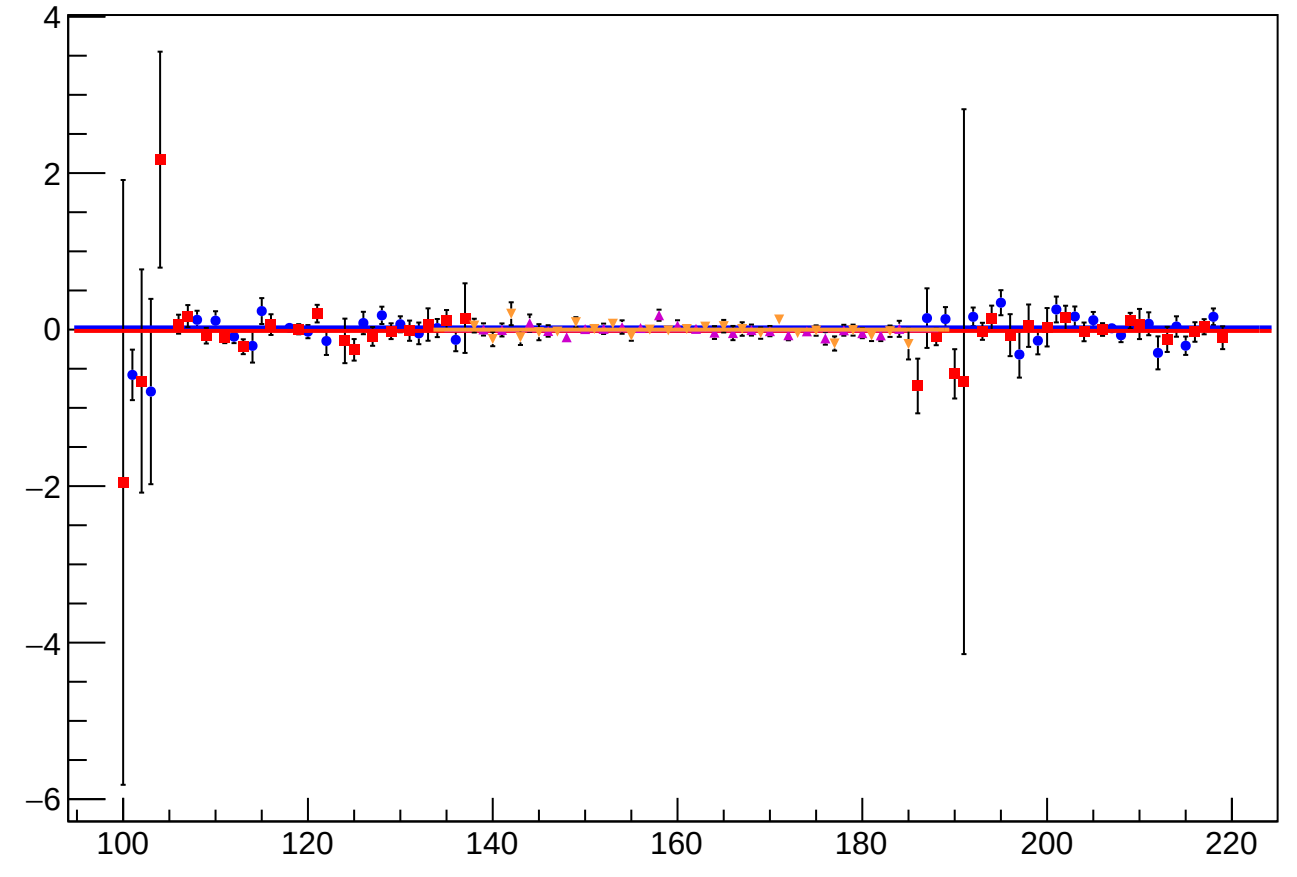
Right: 0.000+/-0.000 χ^2/NDF: 76.0/68

In: -0.000+/-0.000 χ^2/NDF:58.6/54

Out: 0.000+/-0.000 χ^2/NDF:62.4/61

All: -0.000+/-0.000 χ^2/NDF: 121.7/116


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: 5795118.6/31
Left Out: 0.000+/-0.000 χ²/NDF:1210269.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 6307441.4/36
Left In: 0.000+/-0.000 χ²/NDF:3166775.9/22
Left: 0.000+/-0.000 χ²/NDF: 4622592.8/47
Right: 0.000+/-0.000 χ²/NDF: 12163165.1/68
In: 0.000+/-0.000 χ²/NDF:13212174.2/54
Out: 0.000+/-0.000 χ²/NDF:10030376.2/61
All: 0.000+/-0.000 χ²/NDF: 23494061.2/116



Right In: 0.028+/-0.020 χ^2/NDF: 36.6/31

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.017+/-0.021 χ^2/NDF: 33.9/36

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

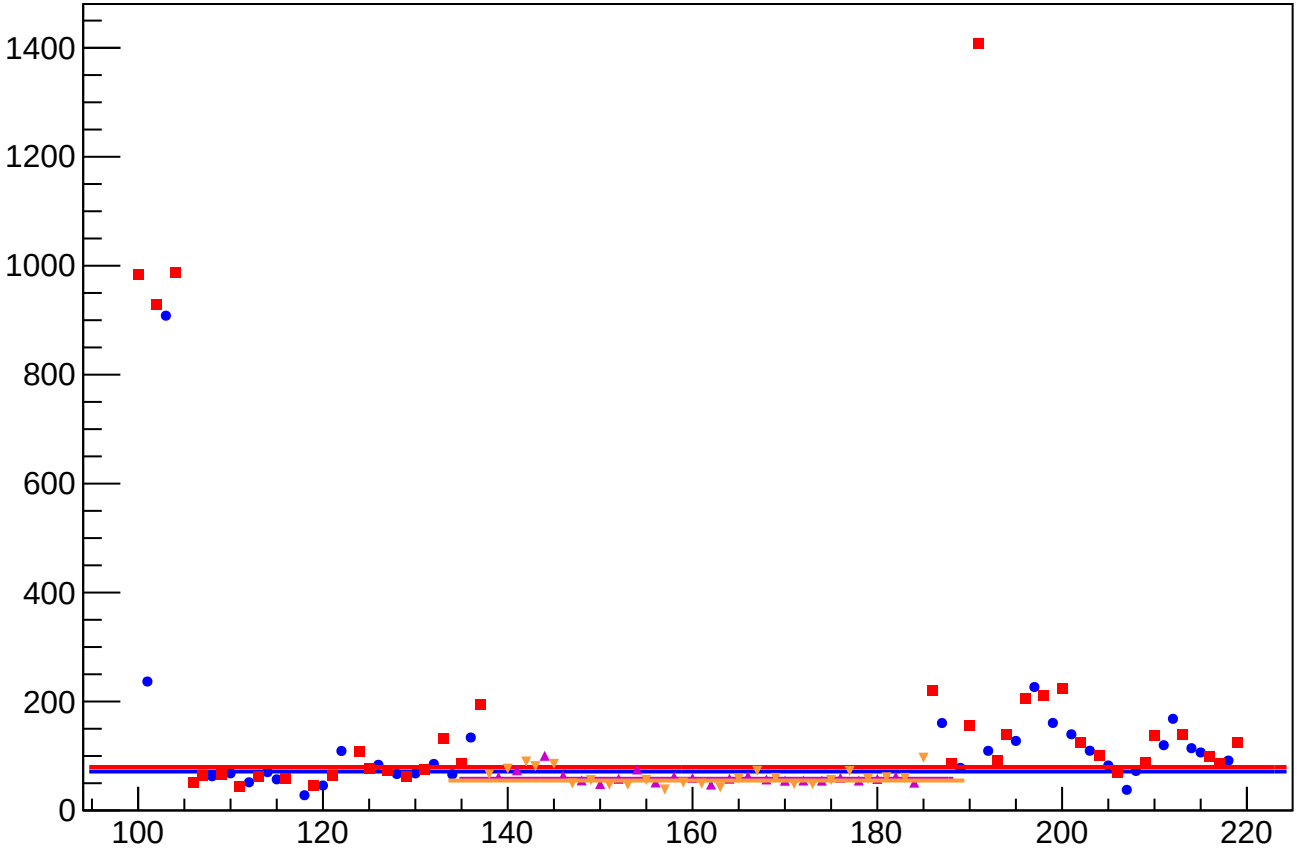
Right: 0.007+/-0.015 χ^2/NDF: 72.8/68

In: 0.004+/-0.012 χ^2/NDF:54.2/54

Out: -0.005+/-0.012 χ^2/NDF:56.9/61

All: -0.001+/-0.008 χ^2/NDF: 111.4/116

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.486+/-0.014 χ^2/NDF: 7706653.1/31

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 79.747+/-0.015 χ^2/NDF: 7035325.5/36

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

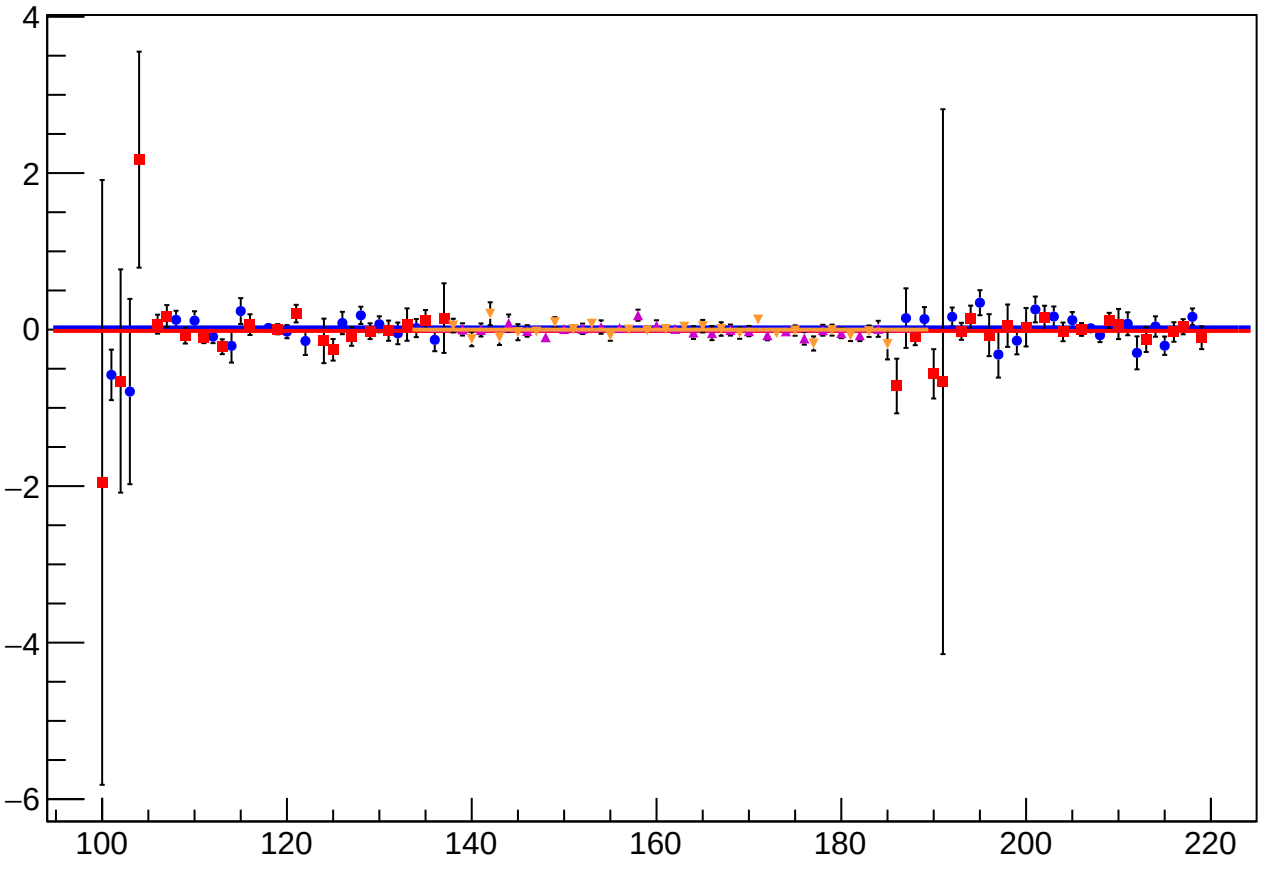
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 75.416+/-0.010 χ^2/NDF: 14898865.0/68

In: 62.772+/-0.008 χ^2/NDF:8926146.6/54

Out: 62.460+/-0.008 χ^2/NDF:10214186.3/61

All: 62.613+/-0.006 χ^2/NDF: 19141020.9/116



Right In: 0.028+/-0.020 χ^2/NDF: 36.6/31

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.017+/-0.021 χ^2/NDF: 33.9/36

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

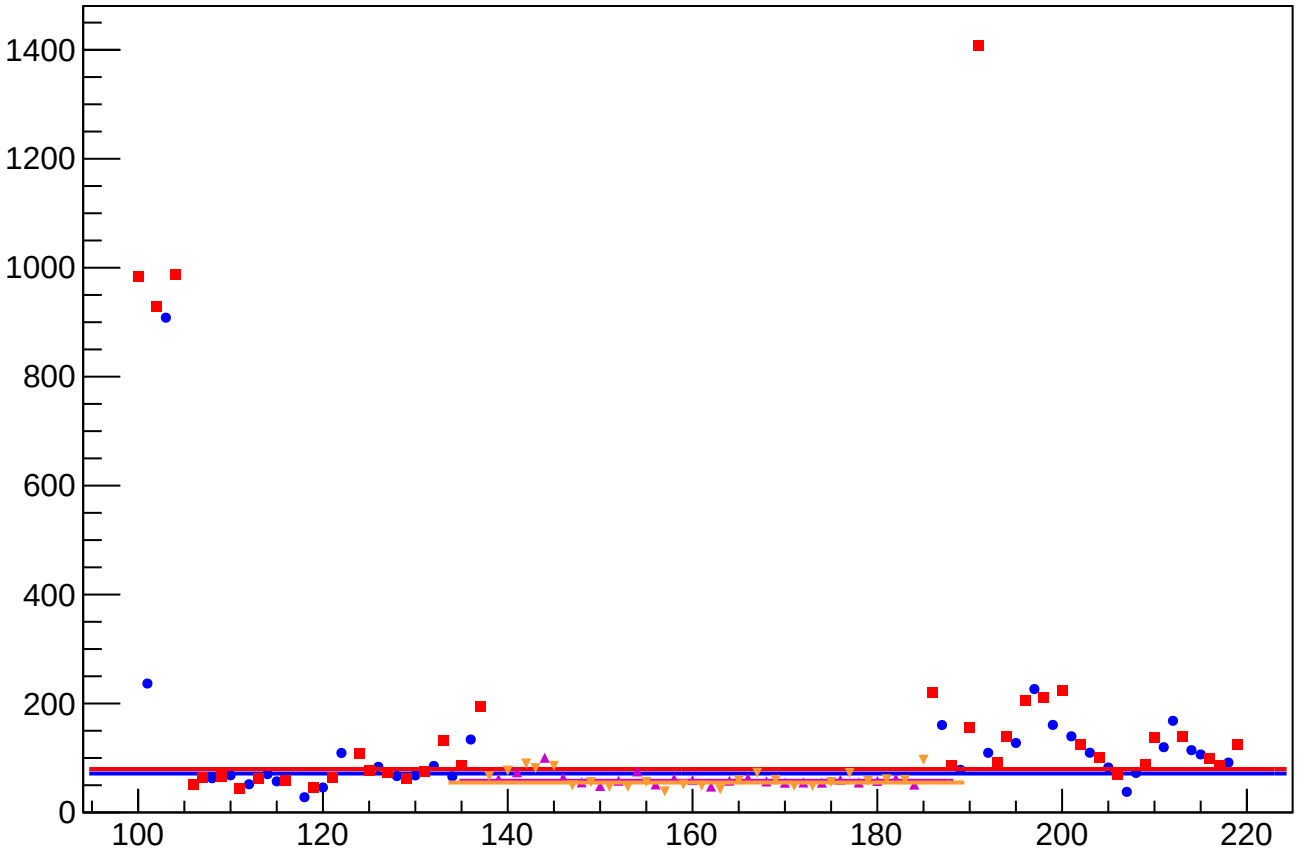
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.007+/-0.015 χ^2/NDF: 72.8/68

In: 0.004+/-0.012 χ^2/NDF:54.2/54

Out: -0.005+/-0.012 χ^2/NDF:56.9/61

All: -0.001+/-0.008 χ^2/NDF: 111.4/116



Right In: 71.486+/-0.014 χ^2/NDF: 7706653.1/31

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 79.747+/-0.015 χ^2/NDF: 7035325.5/36

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

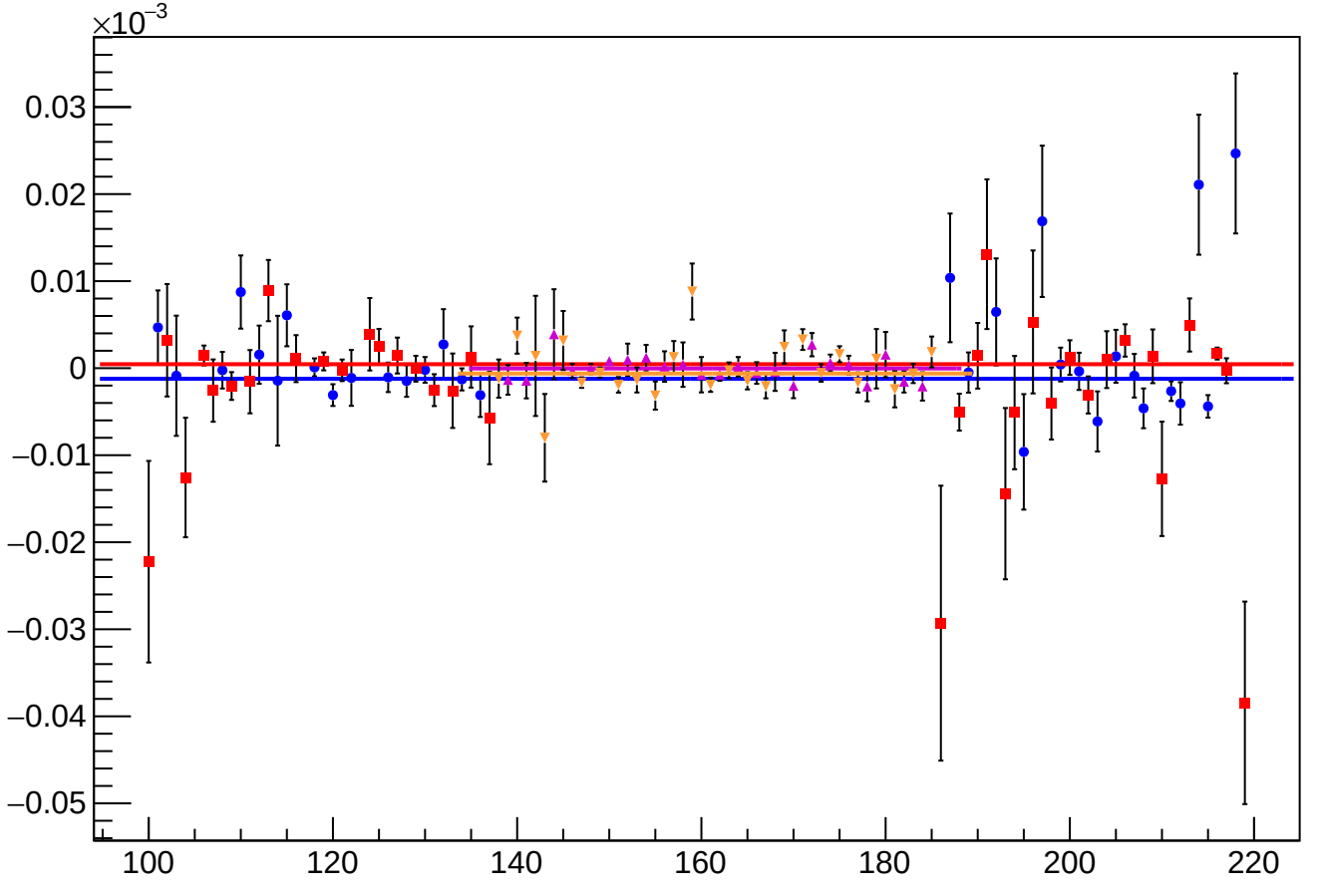
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 75.416+/-0.010 χ^2/NDF: 14898865.0/68

In: 62.772+/-0.008 χ^2/NDF:8926146.6/54

Out: 62.460+/-0.008 χ^2/NDF:10214186.3/61

All: 62.613+/-0.006 χ^2/NDF: 19141020.9/116



Right In: -0.000+/-0.000 χ^2/NDF: 59.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 67.8/36

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

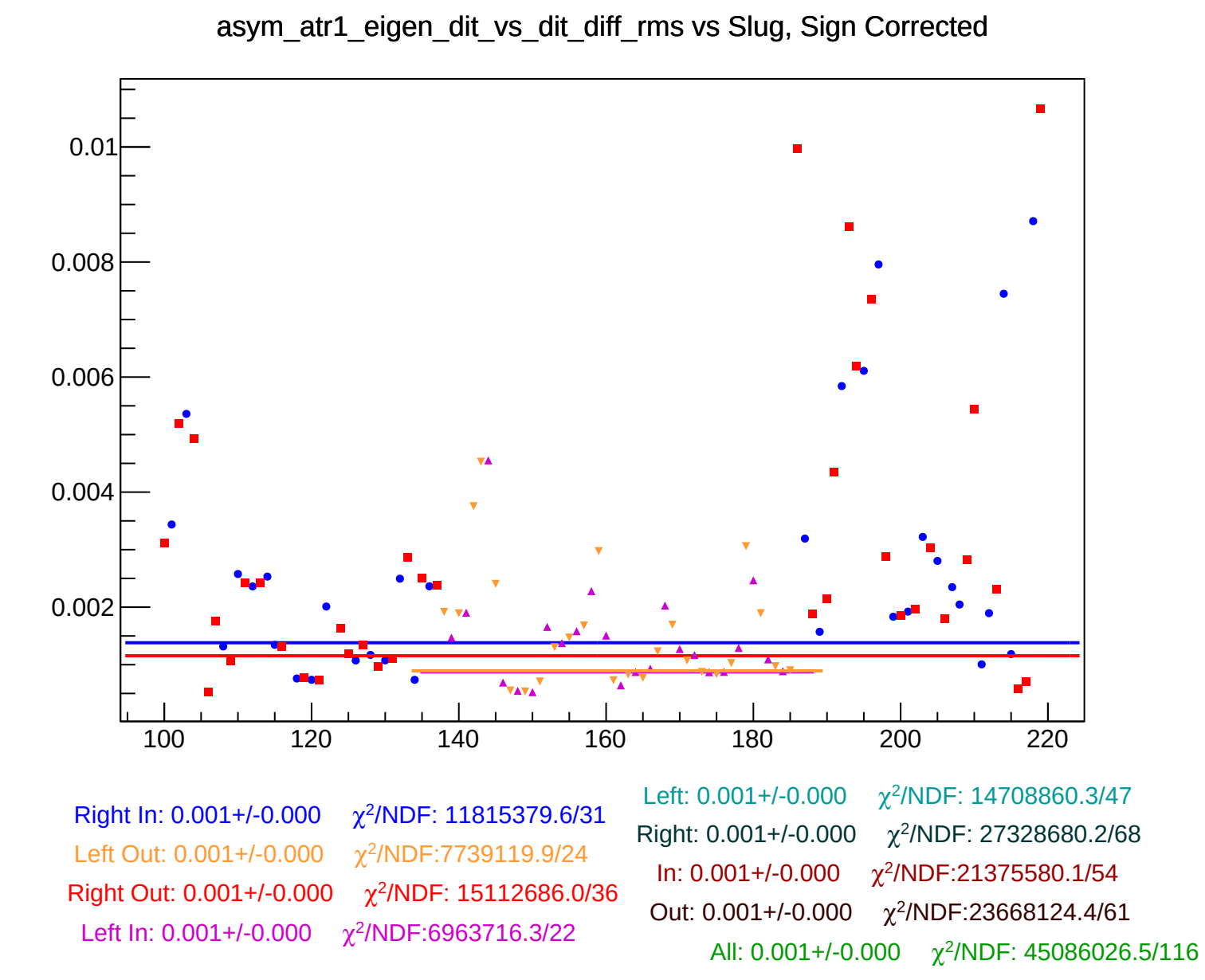
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

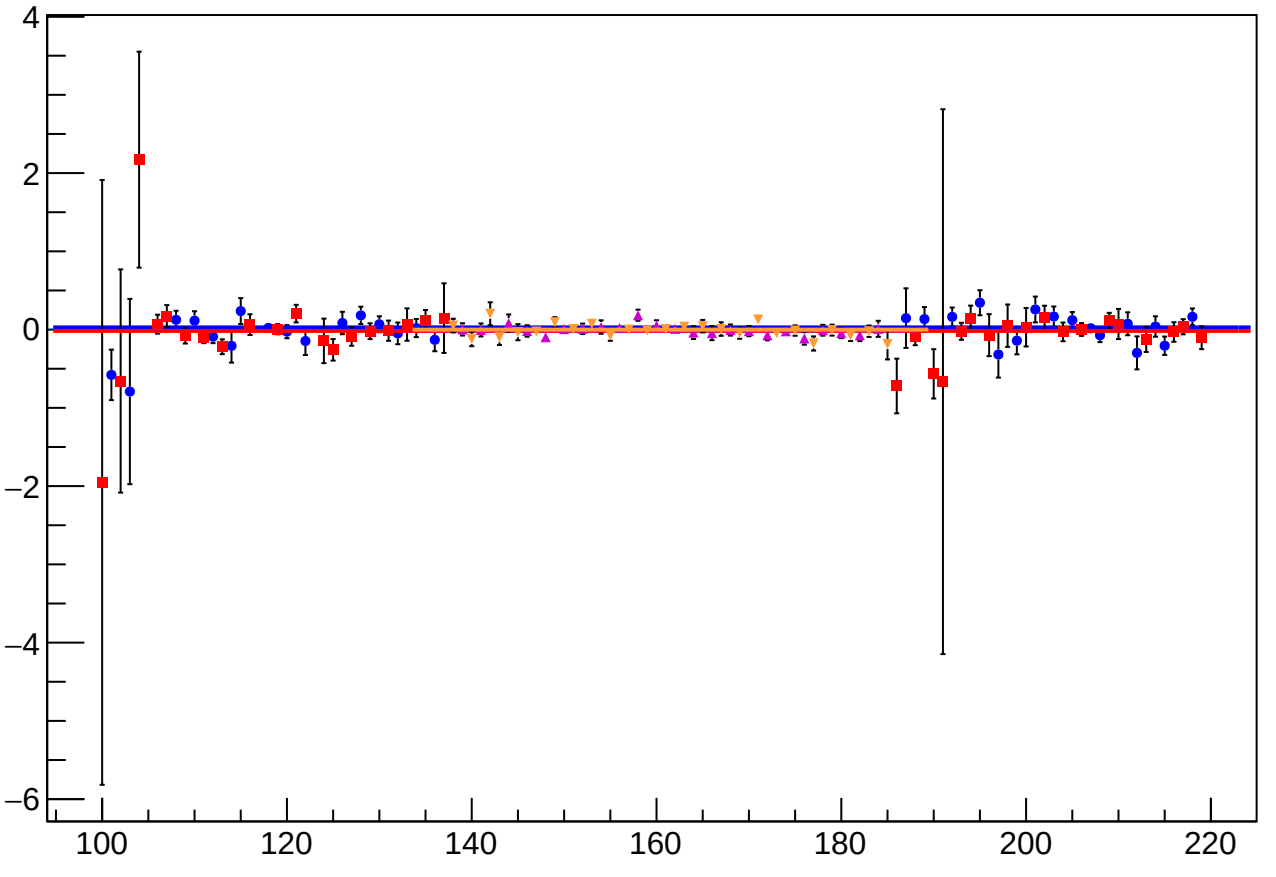
Right: -0.000+/-0.000 χ^2/NDF: 137.7/68

In: -0.000+/-0.000 χ^2/NDF:84.3/54

Out: -0.000+/-0.000 χ^2/NDF:127.4/61

All: -0.000+/-0.000 χ^2/NDF: 211.8/116


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: 11815379.6/31
Left Out: 0.001+/-0.000 χ²/NDF:7739119.9/24
Right Out: 0.001+/-0.000 χ²/NDF: 15112686.0/36
Left In: 0.001+/-0.000 χ²/NDF:6963716.3/22
Left: 0.001+/-0.000 χ²/NDF: 14708860.3/47
Right: 0.001+/-0.000 χ²/NDF: 27328680.2/68
In: 0.001+/-0.000 χ²/NDF:21375580.1/54
Out: 0.001+/-0.000 χ²/NDF:23668124.4/61
All: 0.001+/-0.000 χ²/NDF: 45086026.5/116



Right In: 0.028+/-0.020 χ^2/NDF: 36.6/31

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.017+/-0.021 χ^2/NDF: 33.9/36

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

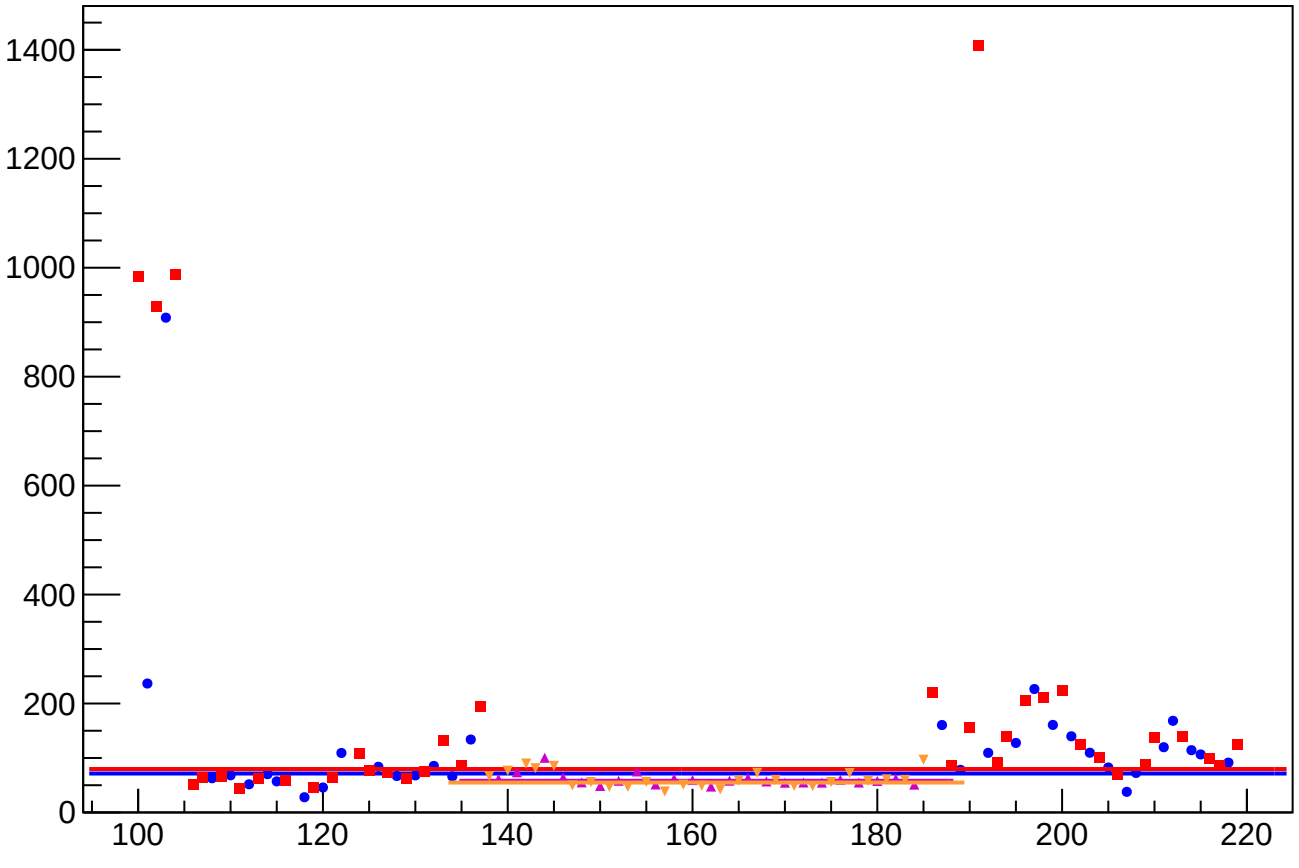
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.007+/-0.015 χ^2/NDF: 72.8/68

In: 0.004+/-0.012 χ^2/NDF:54.2/54

Out: -0.005+/-0.012 χ^2/NDF:56.9/61

All: -0.001+/-0.008 χ^2/NDF: 111.4/116



Right In: 71.485+/-0.014 χ^2/NDF: 7706954.5/31

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 79.747+/-0.015 χ^2/NDF: 7035319.4/36

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

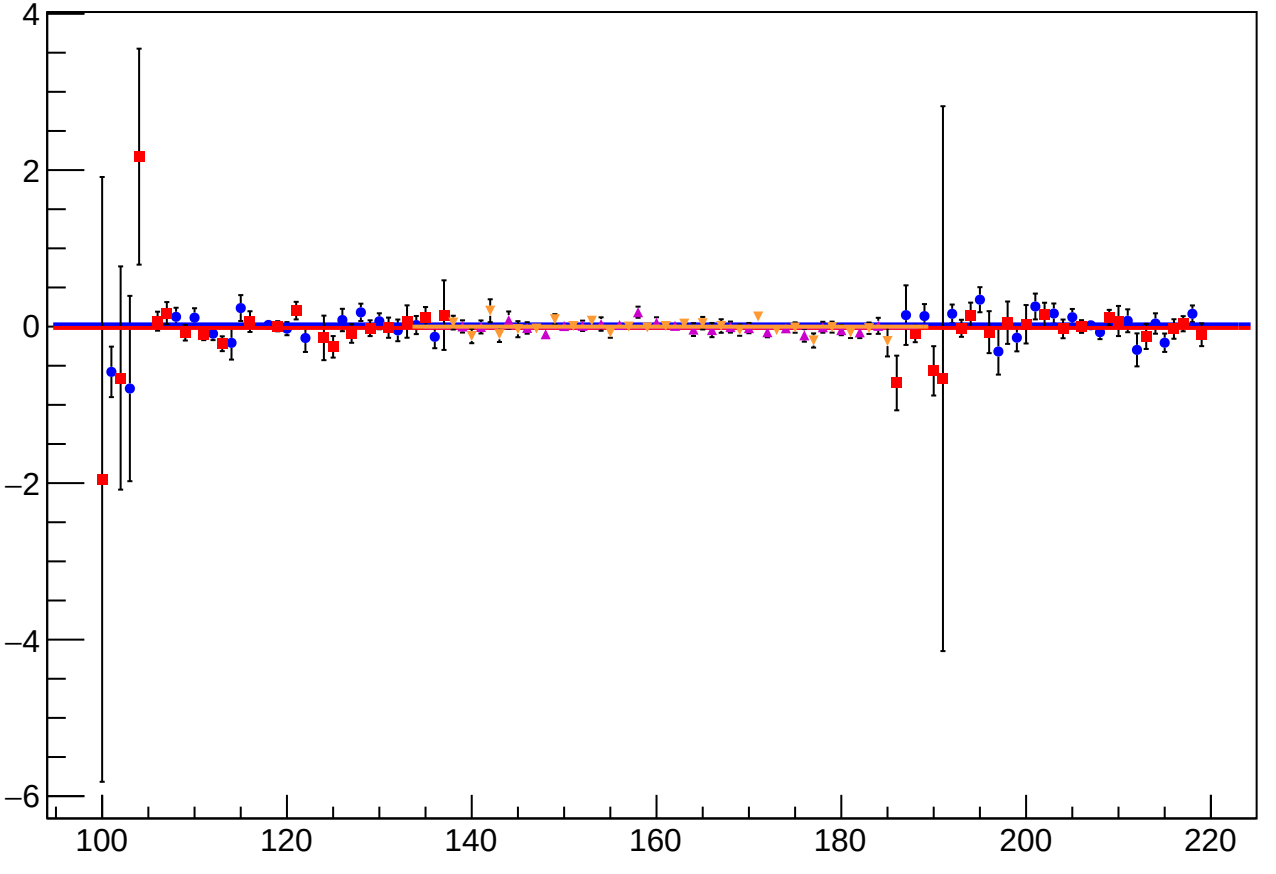
Right: 75.416+/-0.010 χ^2/NDF: 14899196.1/68

In: 62.772+/-0.008 χ^2/NDF:8926377.4/54

Out: 62.460+/-0.008 χ^2/NDF:10214294.5/61

All: 62.613+/-0.006 χ^2/NDF: 19141360.2/116

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.020 χ^2/NDF: 36.6/31

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.017+/-0.021 χ^2/NDF: 33.9/36

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

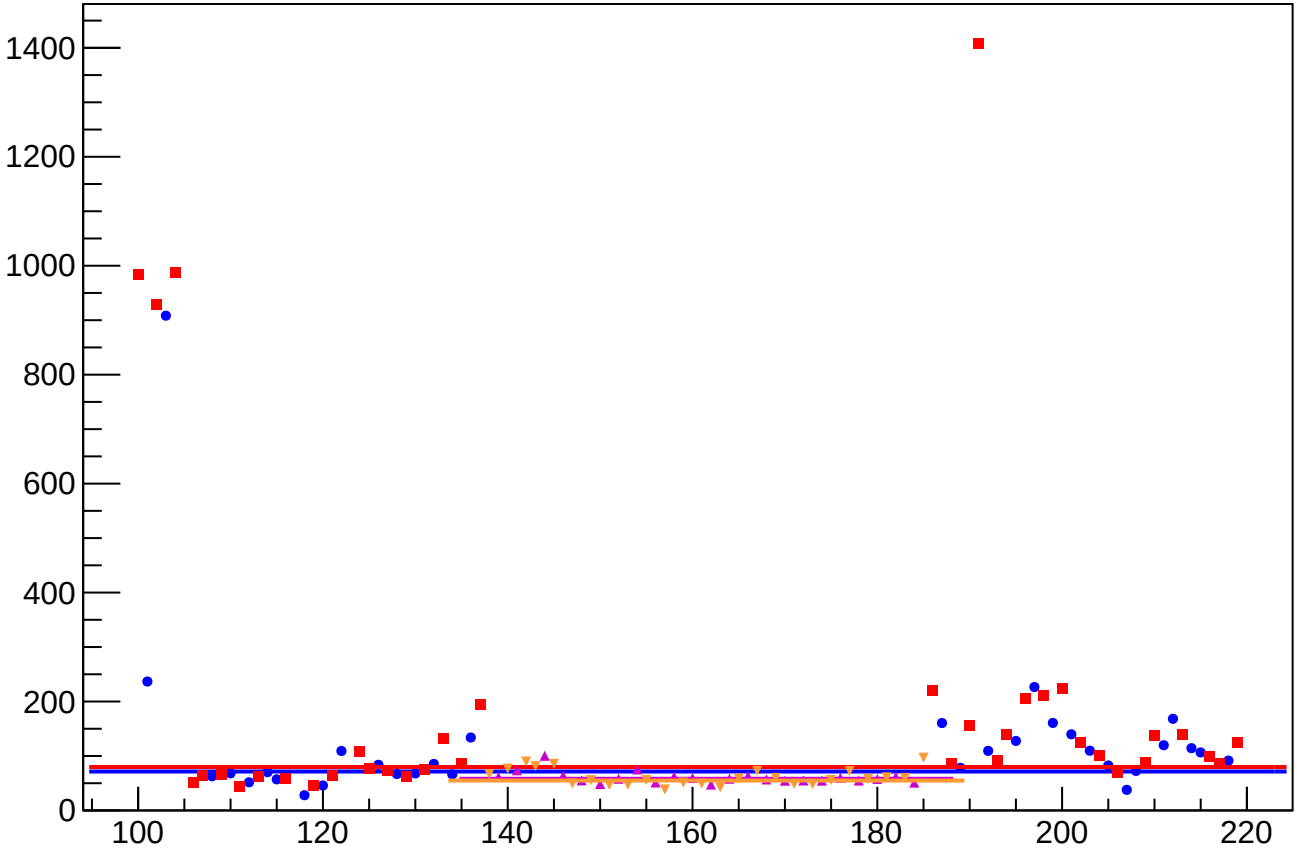
Right: 0.007+/-0.015 χ^2/NDF: 72.8/68

In: 0.004+/-0.012 χ^2/NDF:54.2/54

Out: -0.005+/-0.012 χ^2/NDF:56.9/61

All: -0.001+/-0.008 χ^2/NDF: 111.4/116

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.485+/-0.014 χ^2/NDF: 7706954.5/31

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 79.747+/-0.015 χ^2/NDF: 7035319.4/36

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

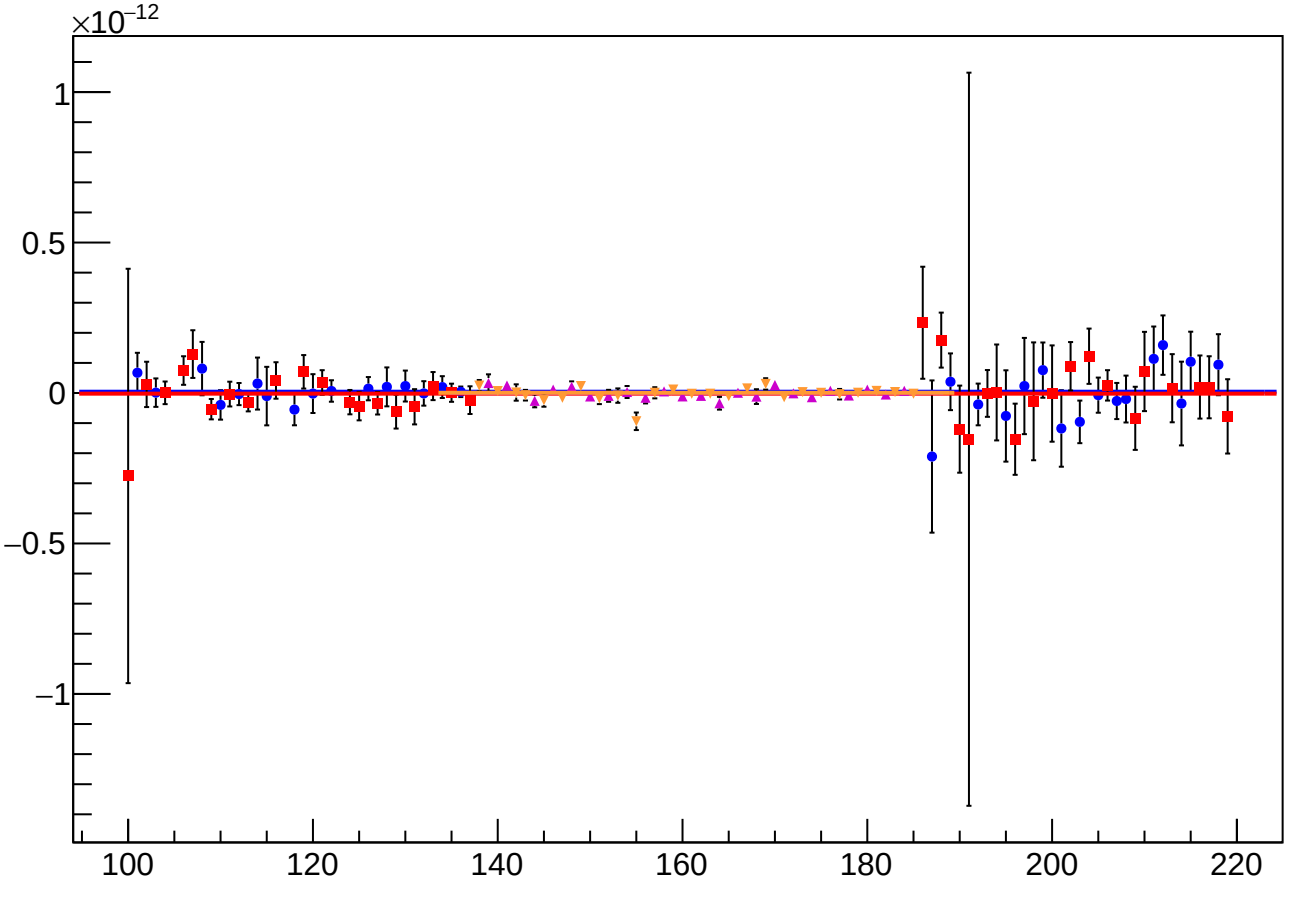
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 75.416+/-0.010 χ^2/NDF: 14899196.1/68

In: 62.772+/-0.008 χ^2/NDF:8926377.4/54

Out: 62.460+/-0.008 χ^2/NDF:10214294.5/61

All: 62.613+/-0.006 χ^2/NDF: 19141360.2/116



Right In: 0.000+/-0.000 χ^2/NDF: 15.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

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

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

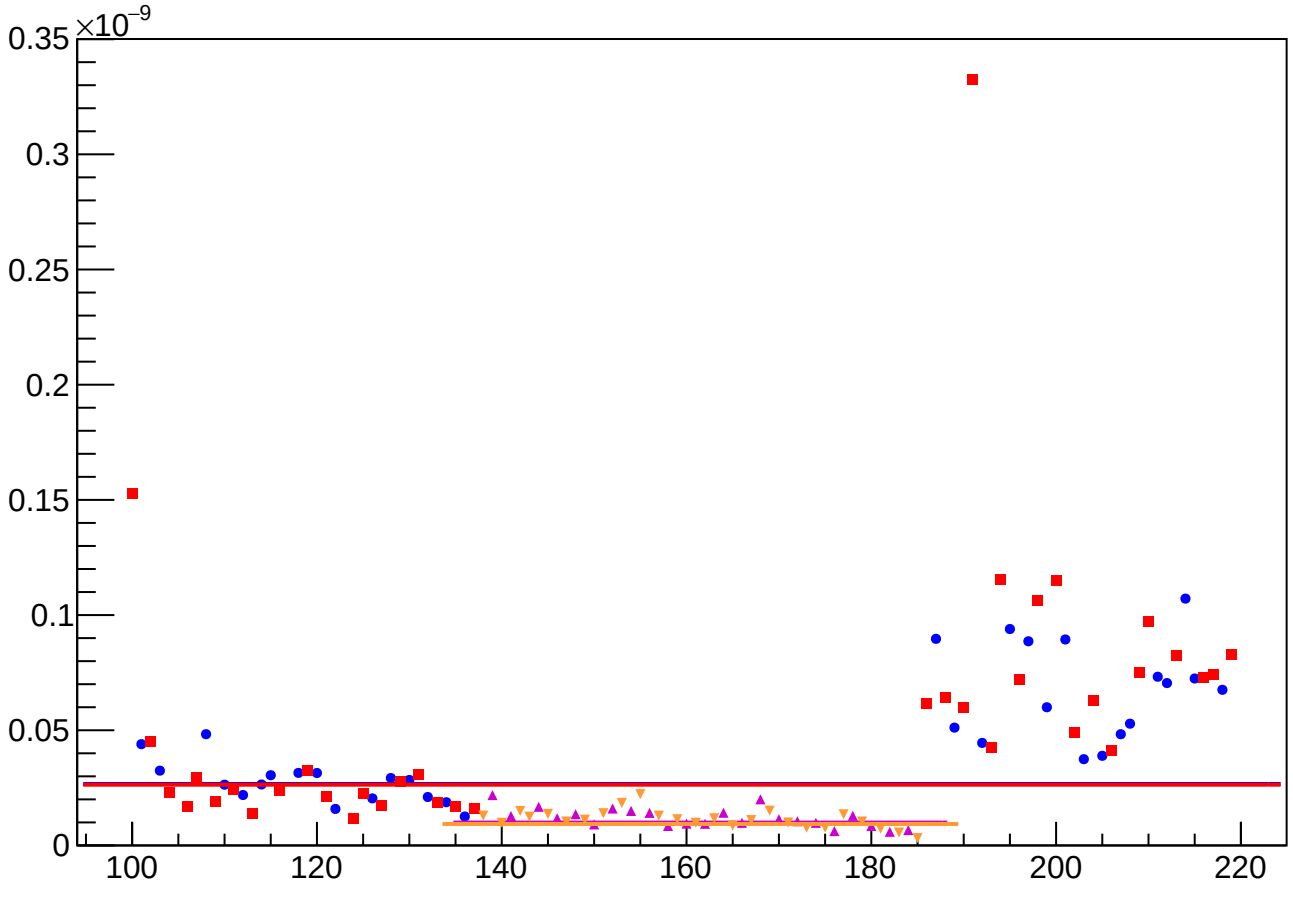
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: 0.000+/-0.000 χ^2/NDF: 44.4/68

In: 0.000+/-0.000 χ^2/NDF:35.6/54

Out: 0.000+/-0.000 χ^2/NDF:54.3/61

All: 0.000+/-0.000 χ^2/NDF: 90.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 6664223.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7585796.0/36

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

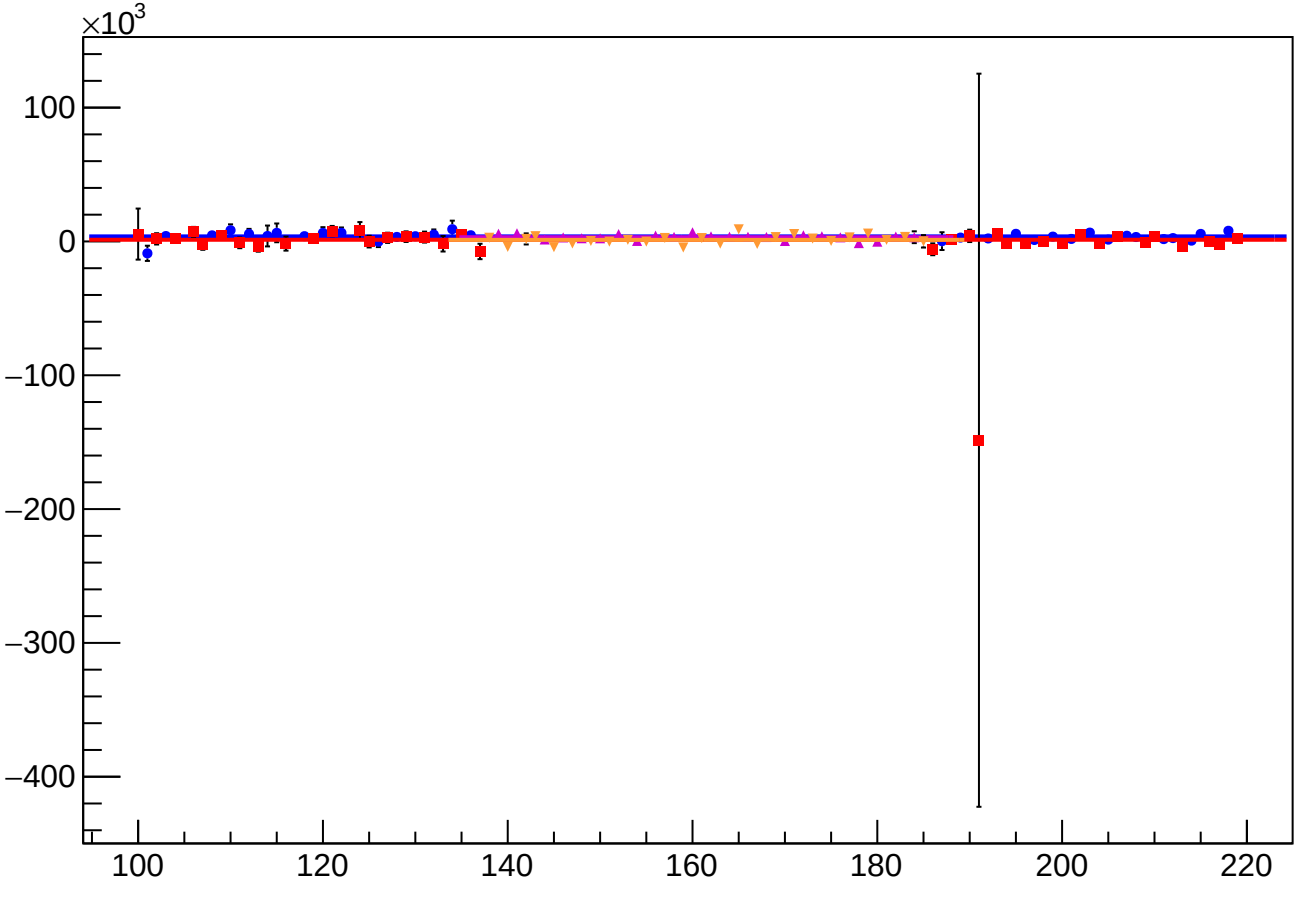
Right: 0.000+/-0.000 χ^2/NDF: 14250963.6/68

In: 0.000+/-0.000 χ^2/NDF:15084710.3/54

Out: 0.000+/-0.000 χ^2/NDF:16785766.4/61

All: 0.000+/-0.000 χ^2/NDF: 31949657.3/116

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3780.168+/-598.356 χ^2/NDF: 16.9/31

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: 1252.244+/-583.074 χ^2/NDF: 33.1/36

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

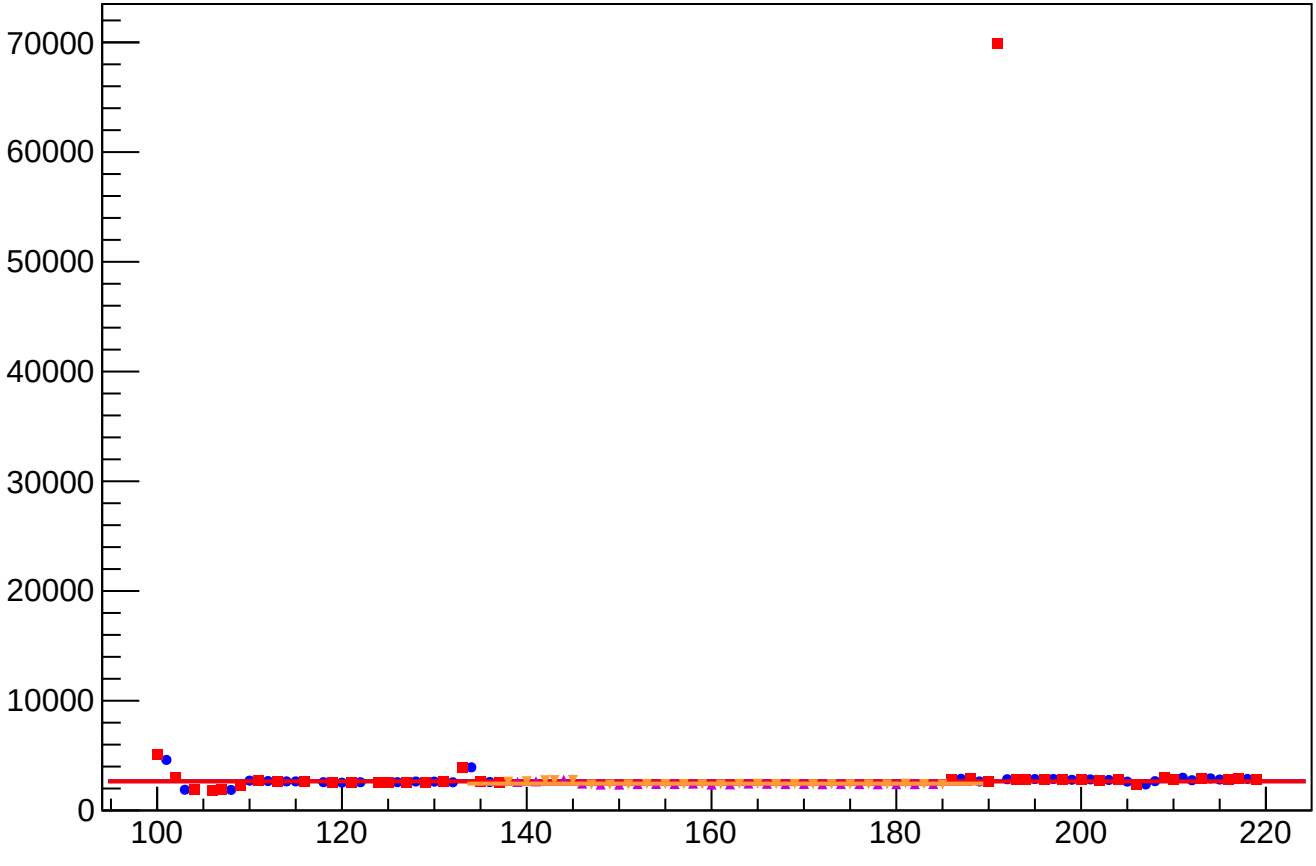
Right: 2483.512+/-417.594 χ^2/NDF: 59.2/68

In: 3448.014+/-412.416 χ^2/NDF:30.2/54

Out: 1219.047+/-402.474 χ^2/NDF:64.3/61

All: 2306.341+/-288.043 χ^2/NDF: 109.4/116

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2663.088+/-0.423 χ^2/NDF: 781731.4/31

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2654.640+/-0.412 χ^2/NDF: 826857.4/36

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

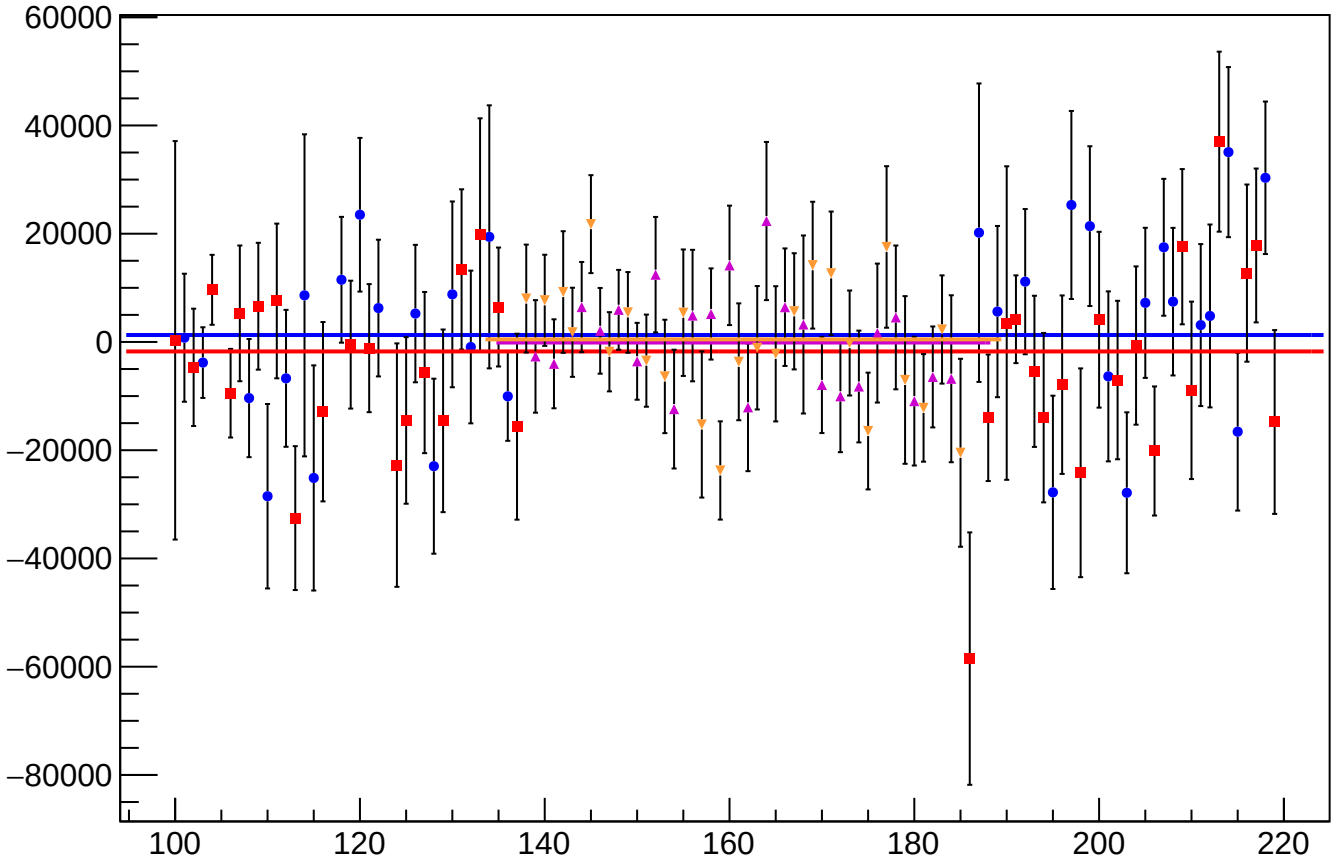
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2658.755+/-0.295 χ^2/NDF: 1608793.4/68

In: 2543.855+/-0.292 χ^2/NDF:992207.3/54

Out: 2545.318+/-0.285 χ^2/NDF:1051164.6/61

All: 2544.604+/-0.204 χ^2/NDF: 2043384.7/11



Right In: 1282.992+/-2391.828 χ^2/NDF: 39.3/31

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: -1751.778+/-2189.805 χ^2/NDF: 39.7/36

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

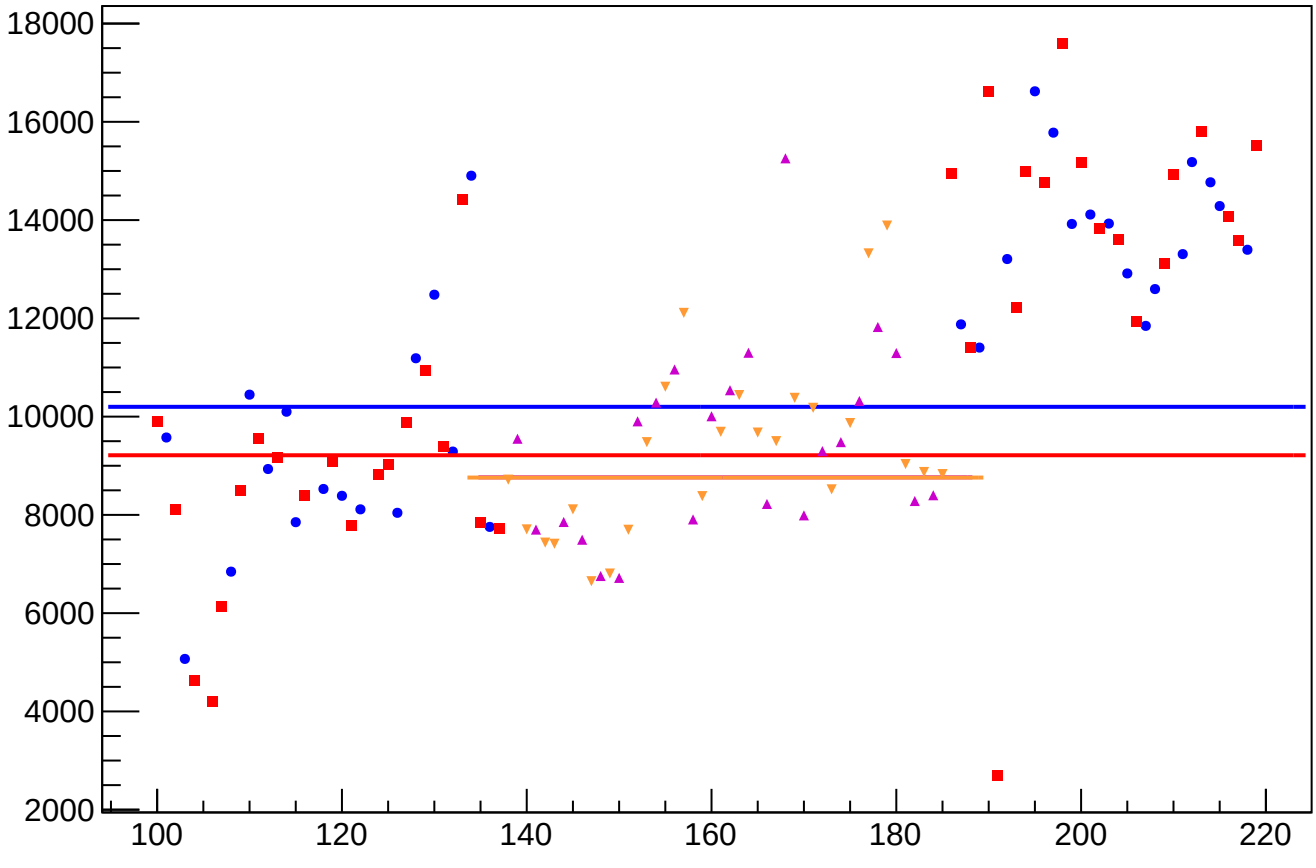
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -367.949+/-1615.133 χ^2/NDF: 79.9/68

In: 496.263+/-1574.198 χ^2/NDF:54.0/54

Out: -556.259+/-1491.069 χ^2/NDF:67.7/61

All: -58.521+/-1082.540 χ^2/NDF: 121.9/116



Right In: 10199.400+/-1.691 χ^2/NDF: 3788724.5/31

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 9213.718+/-1.548 χ^2/NDF: 6812899.1/36

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

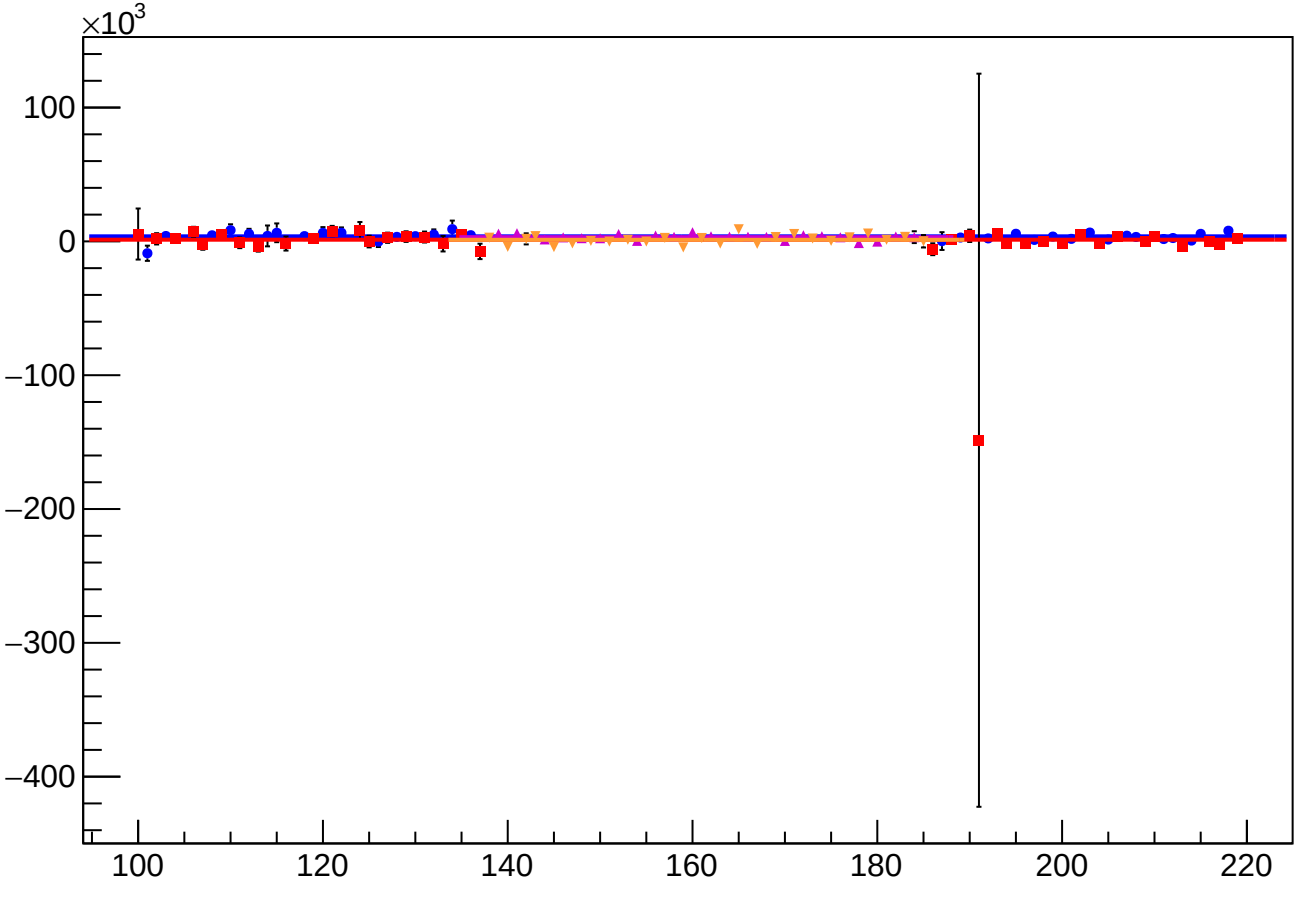
Right: 9663.180+/-1.142 χ^2/NDF: 10786401.5/68

In: 9385.851+/-1.113 χ^2/NDF:5488634.7/54

Out: 8970.168+/-1.054 χ^2/NDF:8081262.9/61

All: 9166.745+/-0.765 χ^2/NDF: 13643404.5/

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3780.053+/-598.357 χ^2/NDF: 16.9/31

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1252.564+/-583.076 χ^2/NDF: 33.1/36

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

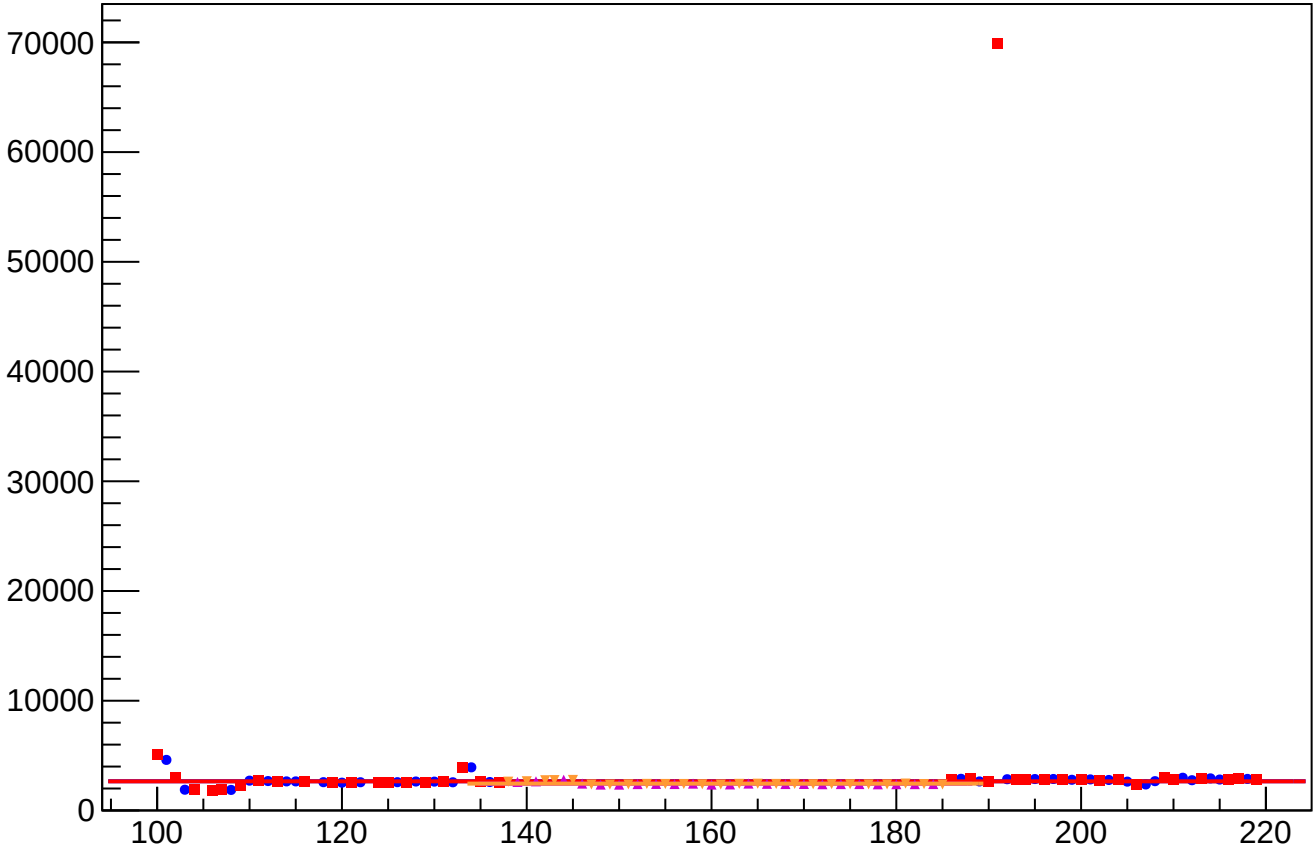
Right: 2483.624+/-417.595 χ^2/NDF: 59.2/68

In: 3447.856+/-412.416 χ^2/NDF:30.2/54

Out: 1219.111+/-402.475 χ^2/NDF:64.3/61

All: 2306.298+/-288.043 χ^2/NDF: 109.4/116

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2663.089+/-0.423 χ^2/NDF: 781728.5/31

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2654.651+/-0.412 χ^2/NDF: 826778.0/36

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

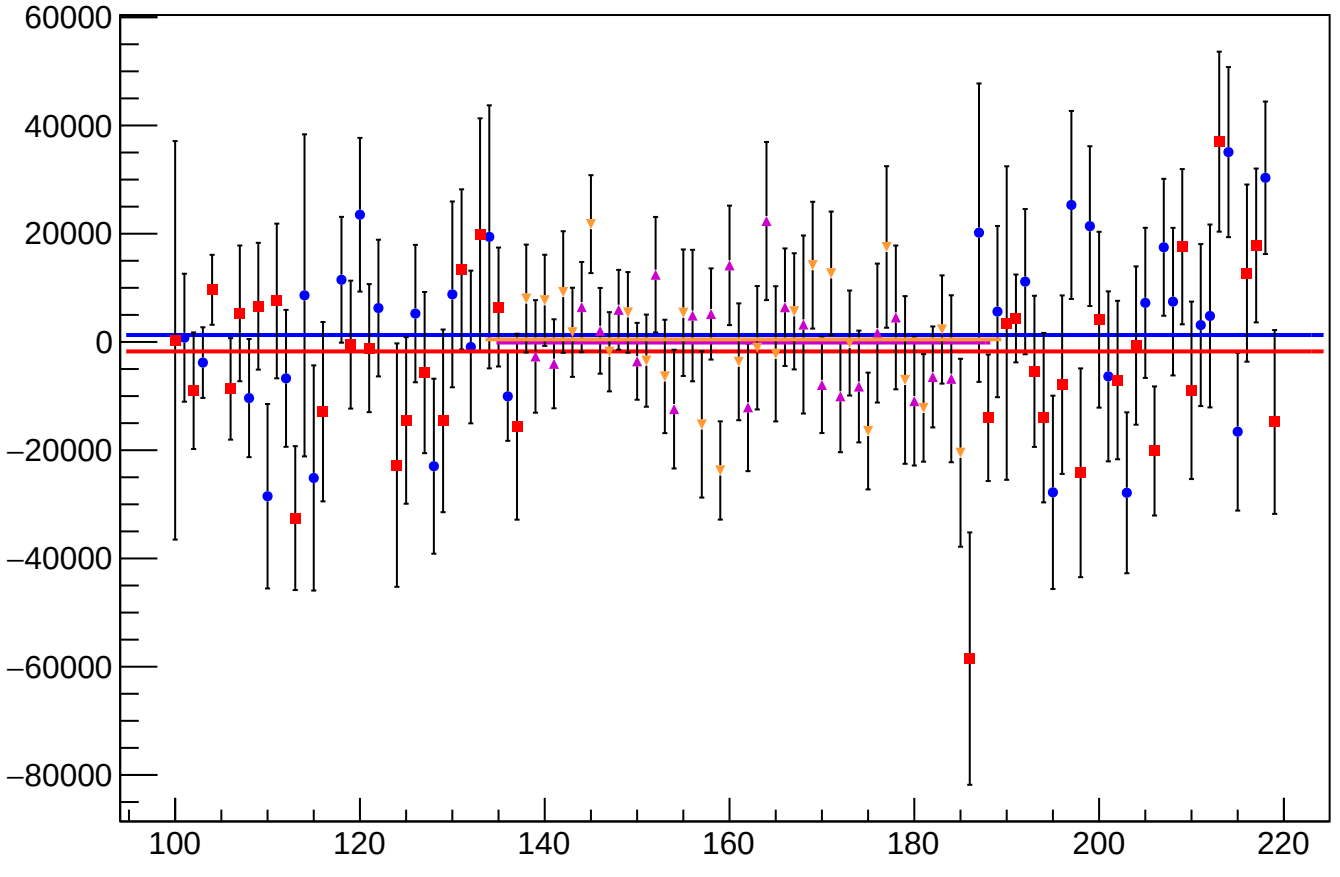
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2658.761+/-0.295 χ^2/NDF: 1608710.5/68

In: 2543.855+/-0.292 χ^2/NDF:992204.9/54

Out: 2545.323+/-0.285 χ^2/NDF:1051098.8/61

All: 2544.607+/-0.204 χ^2/NDF: 2043316.7/11



Right In: 1283.348+/-2391.869 χ^2/NDF: 39.3/31

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -1746.945+/-2208.167 χ^2/NDF: 39.8/36

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

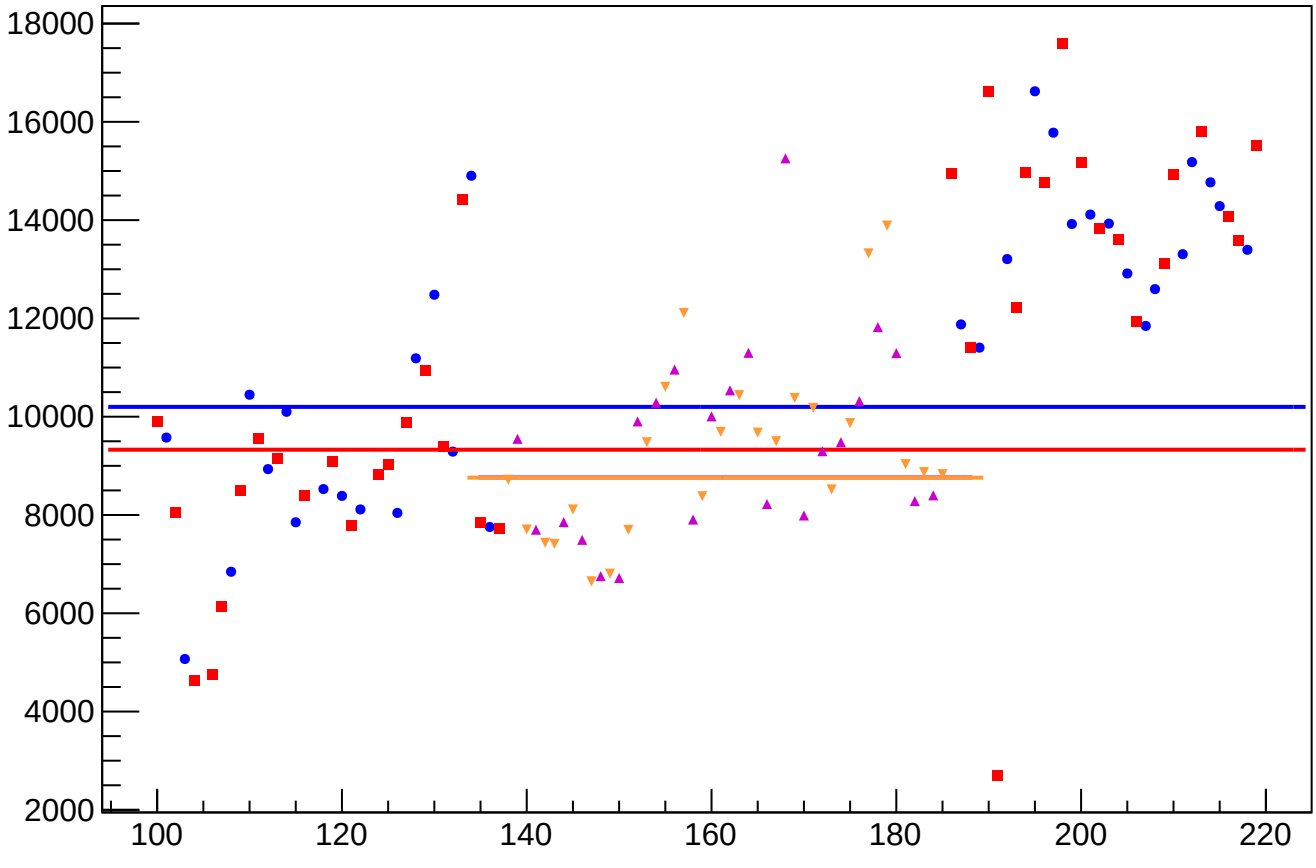
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -352.620+/-1622.471 χ^2/NDF: 80.0/68

In: 496.365+/-1574.209 χ^2/NDF:54.0/54

Out: -544.780+/-1496.826 χ^2/NDF:67.7/61

All: -50.425+/-1084.741 χ^2/NDF: 122.0/116



Right In: 10199.672+/-1.691 χ^2/NDF: 3788057.0/31

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 9328.249+/-1.561 χ^2/NDF: 6509798.6/36

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

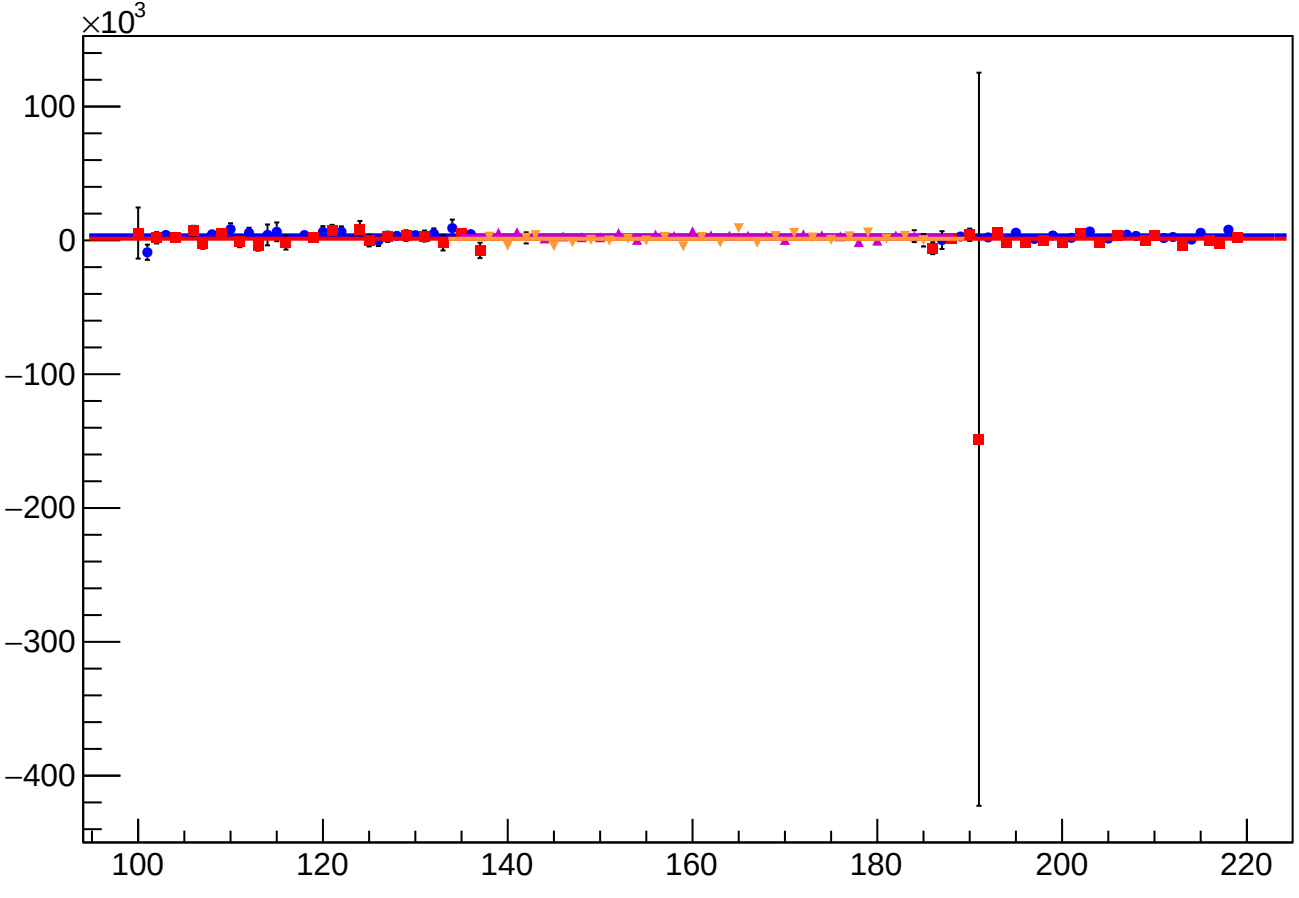
Right: 9729.215+/-1.147 χ^2/NDF: 10441174.6/68

In: 9385.953+/-1.113 χ^2/NDF:5488118.6/54

Out: 9020.904+/-1.058 χ^2/NDF:7803730.7/61

All: 9194.236+/-0.767 χ^2/NDF: 13348332.2/1

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3780.053+/-598.357 χ^2/NDF: 16.9/31

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1252.564+/-583.076 χ^2/NDF: 33.1/36

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

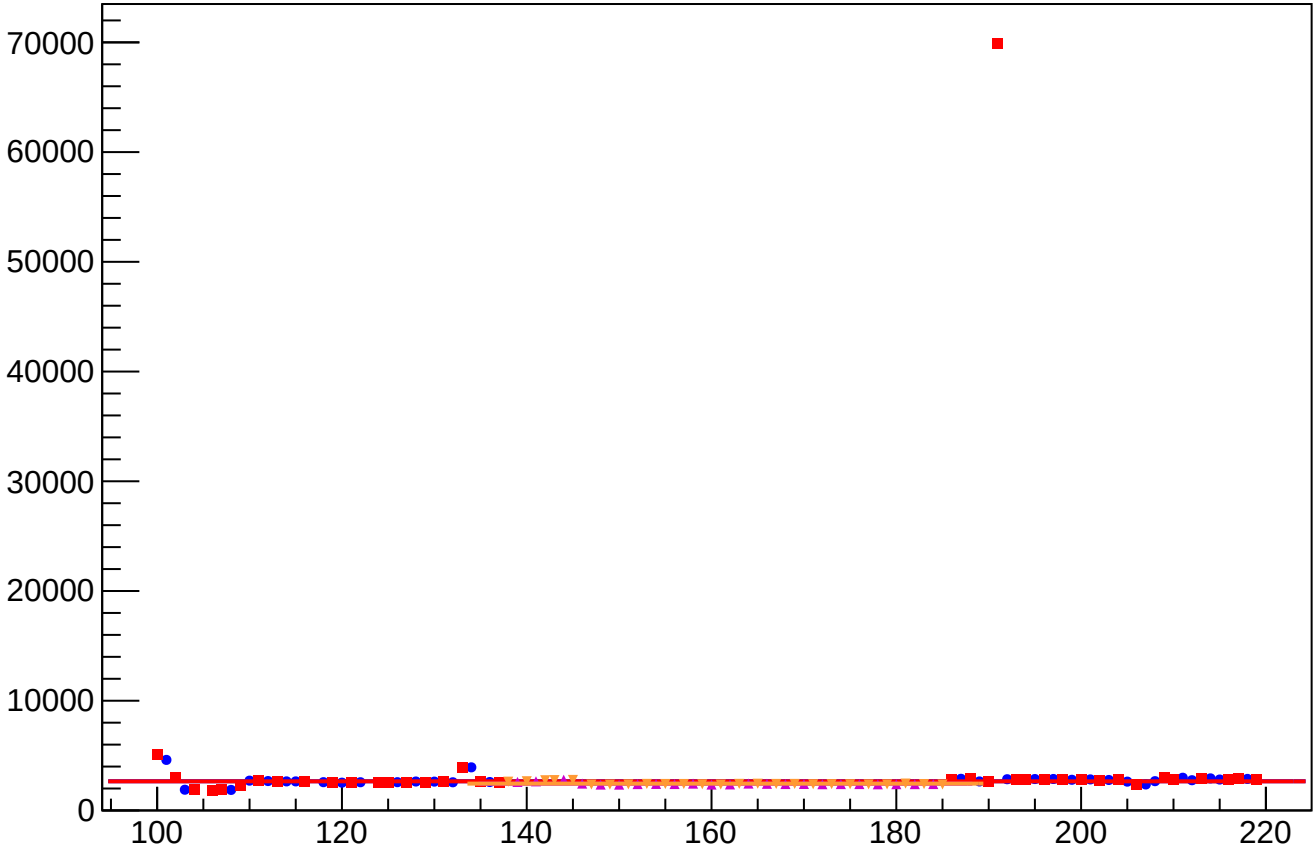
Right: 2483.624+/-417.595 χ^2/NDF: 59.2/68

In: 3447.856+/-412.416 χ^2/NDF:30.2/54

Out: 1219.111+/-402.475 χ^2/NDF:64.3/61

All: 2306.298+/-288.043 χ^2/NDF: 109.4/116

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2663.089+/-0.423 χ^2/NDF: 781728.5/31

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2654.651+/-0.412 χ^2/NDF: 826778.0/36

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

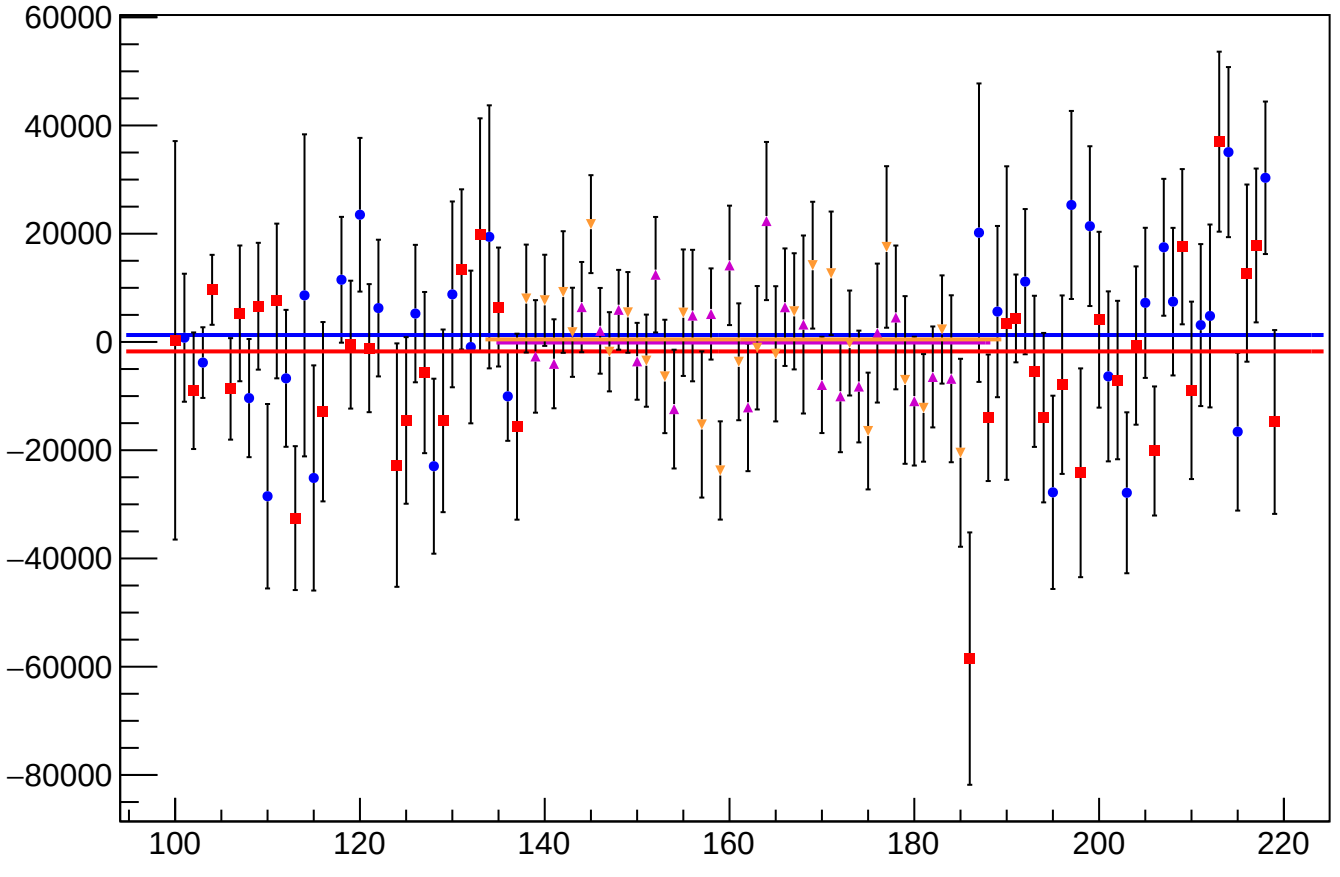
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2658.761+/-0.295 χ^2/NDF: 1608710.5/68

In: 2543.855+/-0.292 χ^2/NDF:992204.9/54

Out: 2545.323+/-0.285 χ^2/NDF:1051098.8/61

All: 2544.607+/-0.204 χ^2/NDF: 2043316.7/11



Right In: 1283.348+/-2391.869 χ^2/NDF: 39.3/31

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -1746.945+/-2208.167 χ^2/NDF: 39.8/36

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

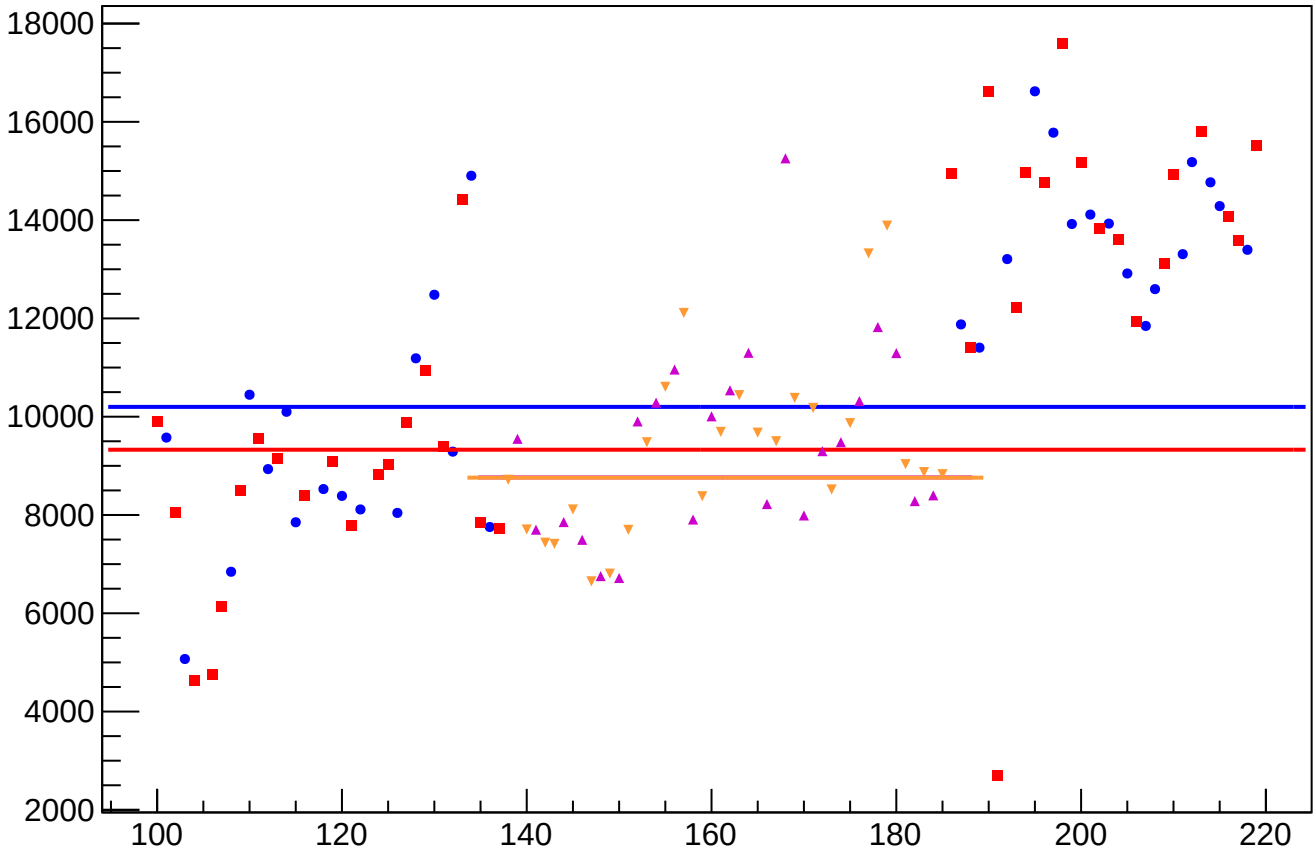
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -352.620+/-1622.471 χ^2/NDF: 80.0/68

In: 496.365+/-1574.209 χ^2/NDF:54.0/54

Out: -544.780+/-1496.826 χ^2/NDF:67.7/61

All: -50.425+/-1084.741 χ^2/NDF: 122.0/116



Right In: 10199.672+/-1.691 χ^2/NDF: 3788057.0/31

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 9328.249+/-1.561 χ^2/NDF: 6509798.6/36

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

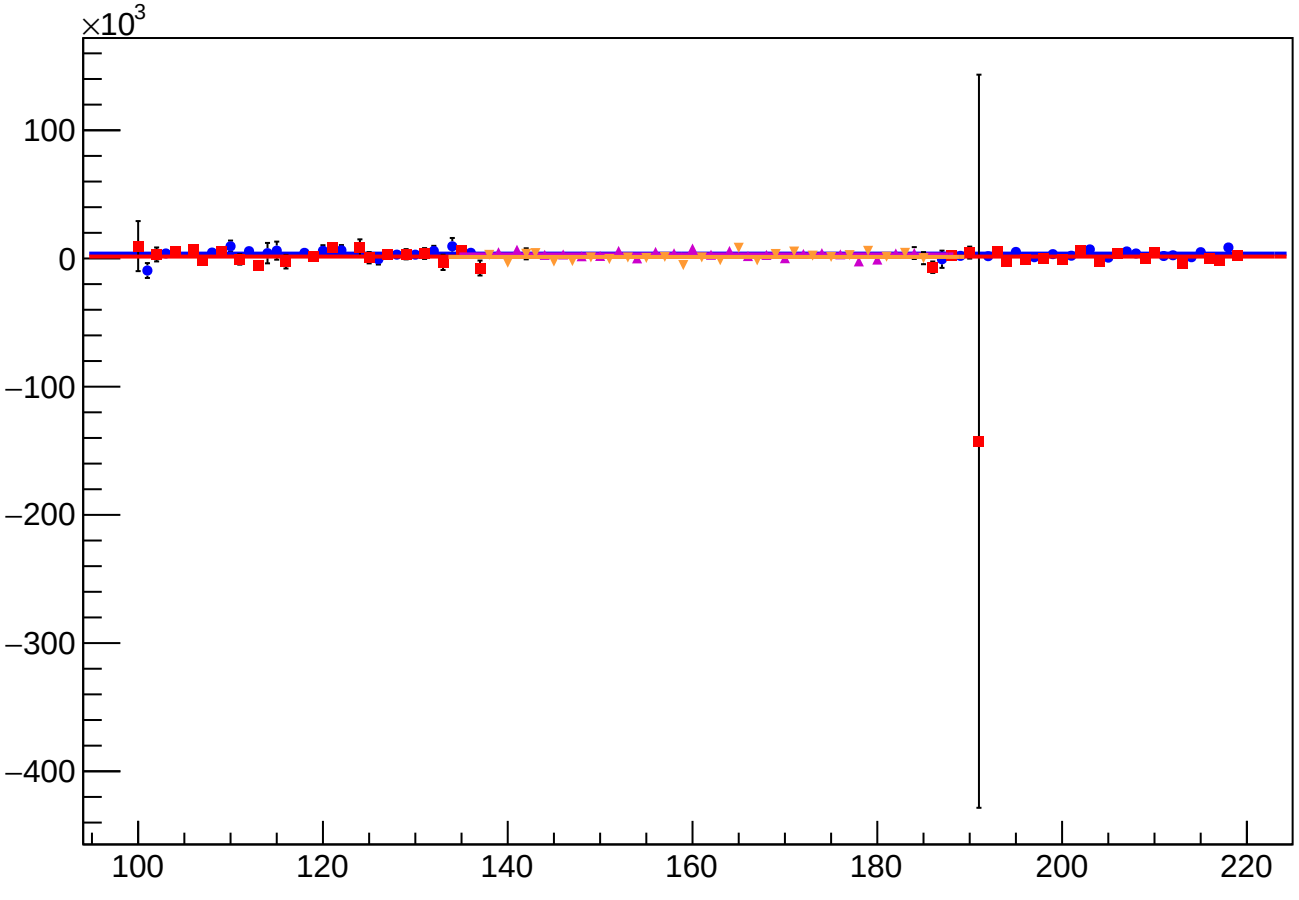
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 9729.215+/-1.147 χ^2/NDF: 10441174.6/68

In: 9385.953+/-1.113 χ^2/NDF:5488118.6/54

Out: 9020.904+/-1.058 χ^2/NDF:7803730.7/61

All: 9194.236+/-0.767 χ^2/NDF: 13348332.2/1



Right In: 3790.836+/-613.706 χ^2/NDF: 19.3/31

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 1478.841+/-599.605 χ^2/NDF: 37.3/36

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

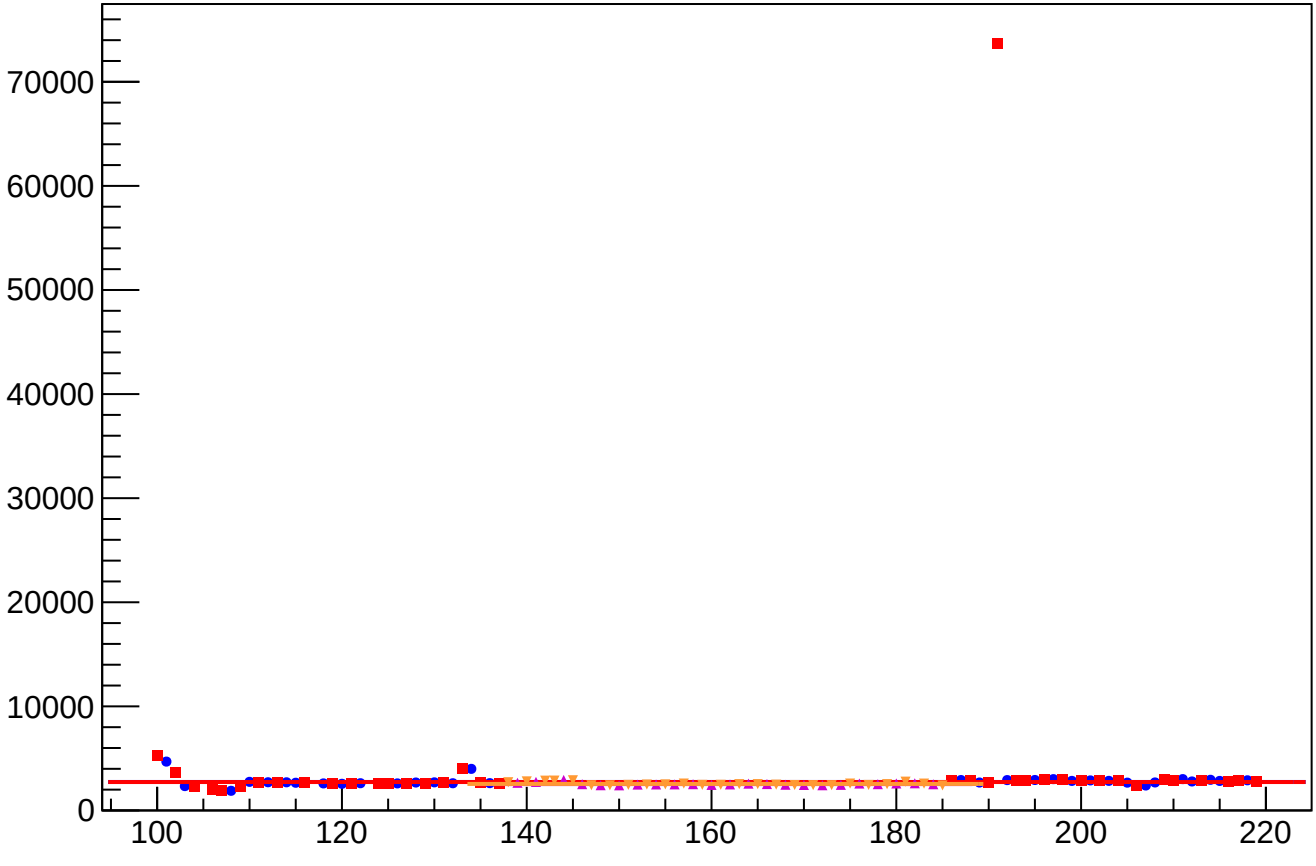
Right: 2607.973+/-428.883 χ^2/NDF: 63.8/68

In: 3459.085+/-426.118 χ^2/NDF:36.3/54

Out: 1341.885+/-416.767 χ^2/NDF:64.2/61

All: 2377.000+/-297.950 χ^2/NDF: 113.1/116

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2736.496+/-0.434 χ^2/NDF: 620260.8/31

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2729.871+/-0.424 χ^2/NDF: 708218.7/36

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

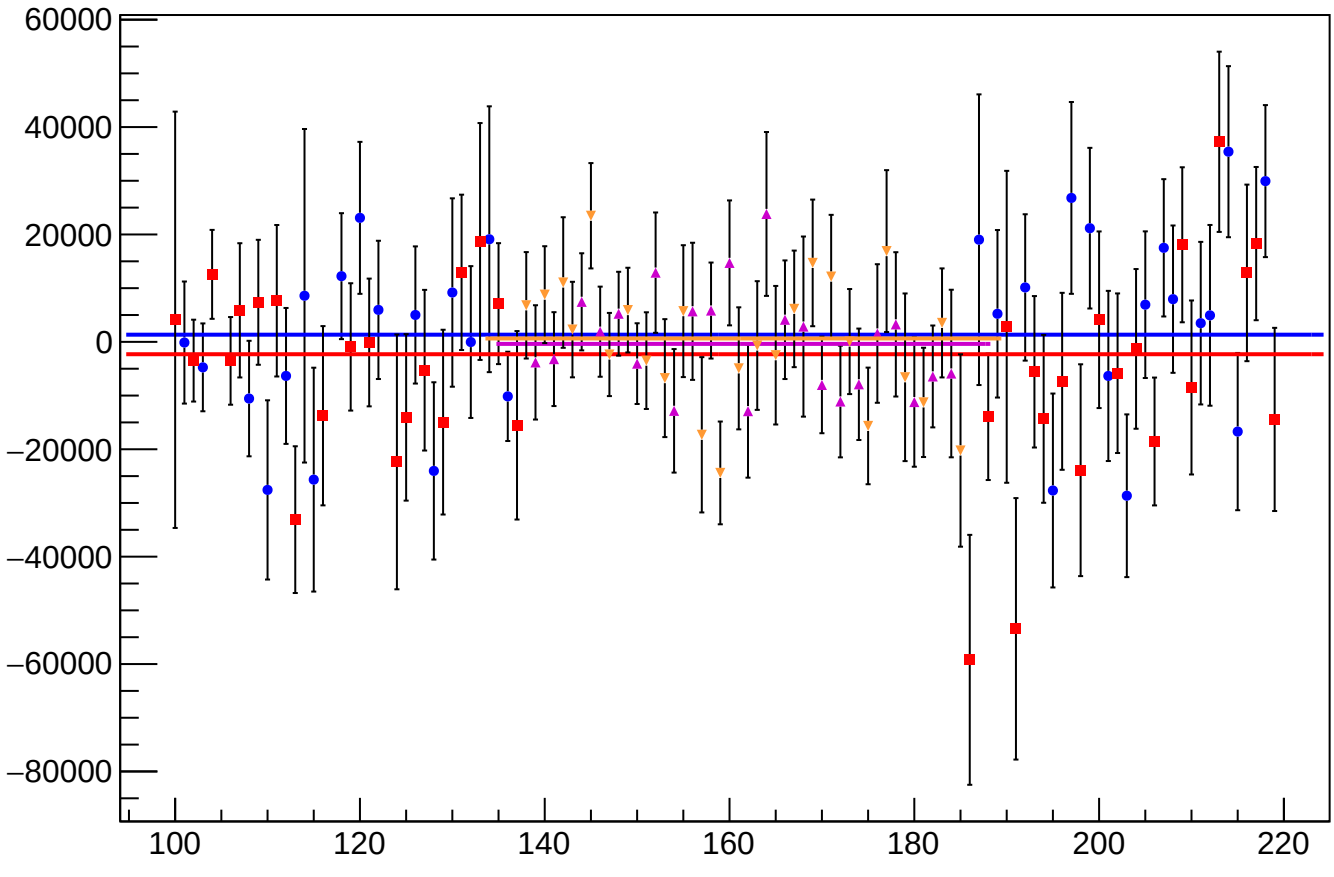
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2733.105+/-0.303 χ^2/NDF: 1328598.8/68

In: 2630.987+/-0.301 χ^2/NDF:802841.8/54

Out: 2635.449+/-0.295 χ^2/NDF:921533.6/61

All: 2633.268+/-0.211 χ^2/NDF: 1724487.4/11



Right In: 1336.744+/-2461.013 χ^2/NDF: 39.0/31

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: -2301.156+/-2279.343 χ^2/NDF: 42.2/36

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

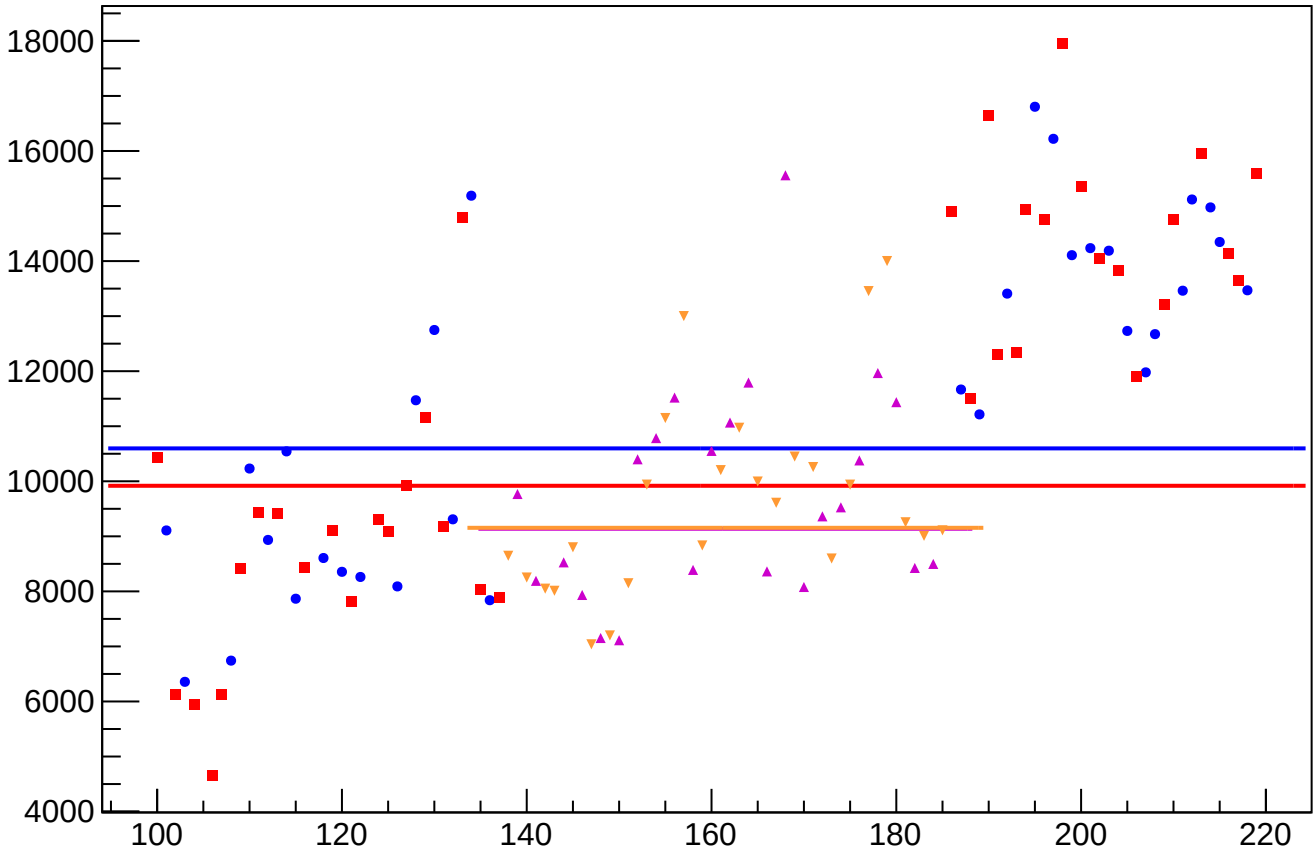
Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

Right: -621.421+/-1672.280 χ^2/NDF: 82.4/68

In: 374.551+/-1630.307 χ^2/NDF:53.5/54

Out: -730.954+/-1553.560 χ^2/NDF:69.8/61

All: -204.834+/-1124.686 χ^2/NDF: 123.5/116



Right In: 10597.467+/-1.740 χ^2/NDF: 3042952.2/31

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9918.263+/-1.612 χ^2/NDF: 4921795.4/36

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

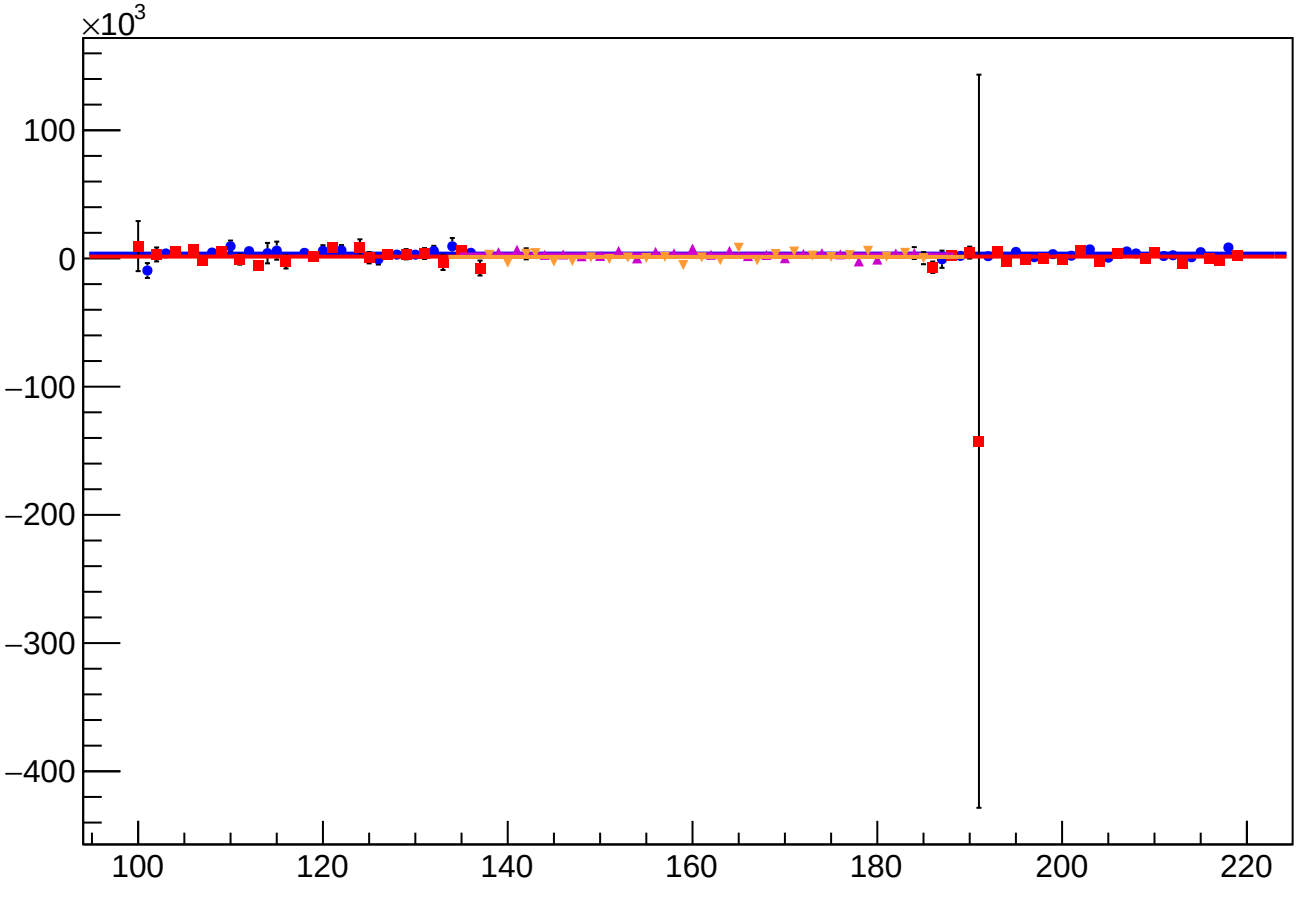
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 10231.874+/-1.182 χ^2/NDF: 8046745.3/68

In: 9778.242+/-1.153 χ^2/NDF:4610679.7/54

Out: 9509.411+/-1.099 χ^2/NDF:6114048.5/61

All: 9637.350+/-0.795 χ^2/NDF: 10753229.1/1



Right In: 3790.826+/-613.706 χ^2/NDF: 19.3/31

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 1478.844+/-599.605 χ^2/NDF: 37.3/36

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

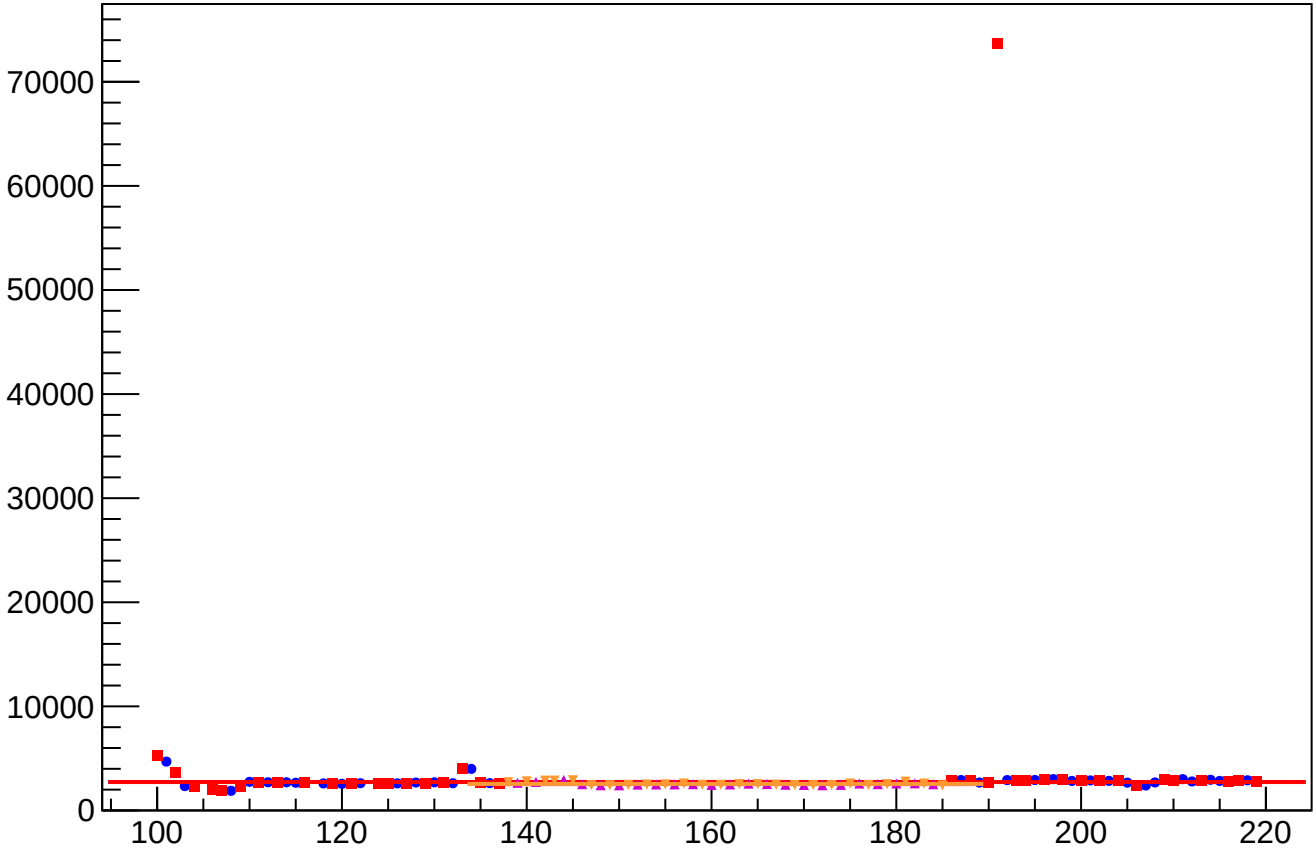
Right: 2607.971+/-428.883 χ^2/NDF: 63.8/68

In: 3459.080+/-426.118 χ^2/NDF:36.3/54

Out: 1341.881+/-416.767 χ^2/NDF:64.2/61

All: 2376.996+/-297.950 χ^2/NDF: 113.1/116

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2736.495+/-0.434 χ^2/NDF: 620261.7/31

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2729.871+/-0.424 χ^2/NDF: 708218.6/36

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

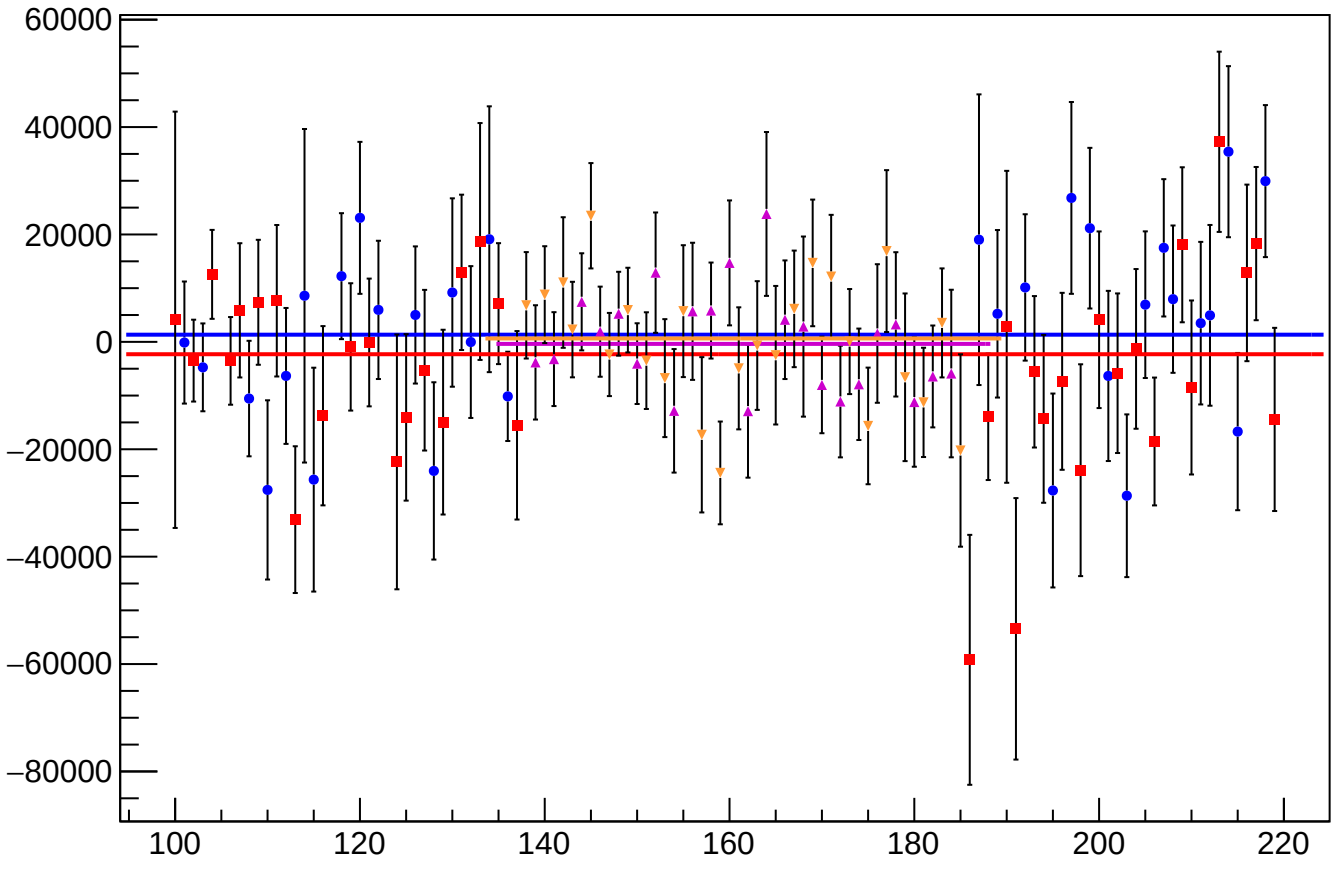
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2733.105+/-0.303 χ^2/NDF: 1328599.5/68

In: 2630.988+/-0.301 χ^2/NDF:802839.9/54

Out: 2635.450+/-0.295 χ^2/NDF:921531.8/61

All: 2633.269+/-0.211 χ^2/NDF: 1724483.7/11



Right In: 1336.758+/-2461.013 χ^2/NDF: 39.0/31

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -2301.148+/-2279.342 χ^2/NDF: 42.2/36

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

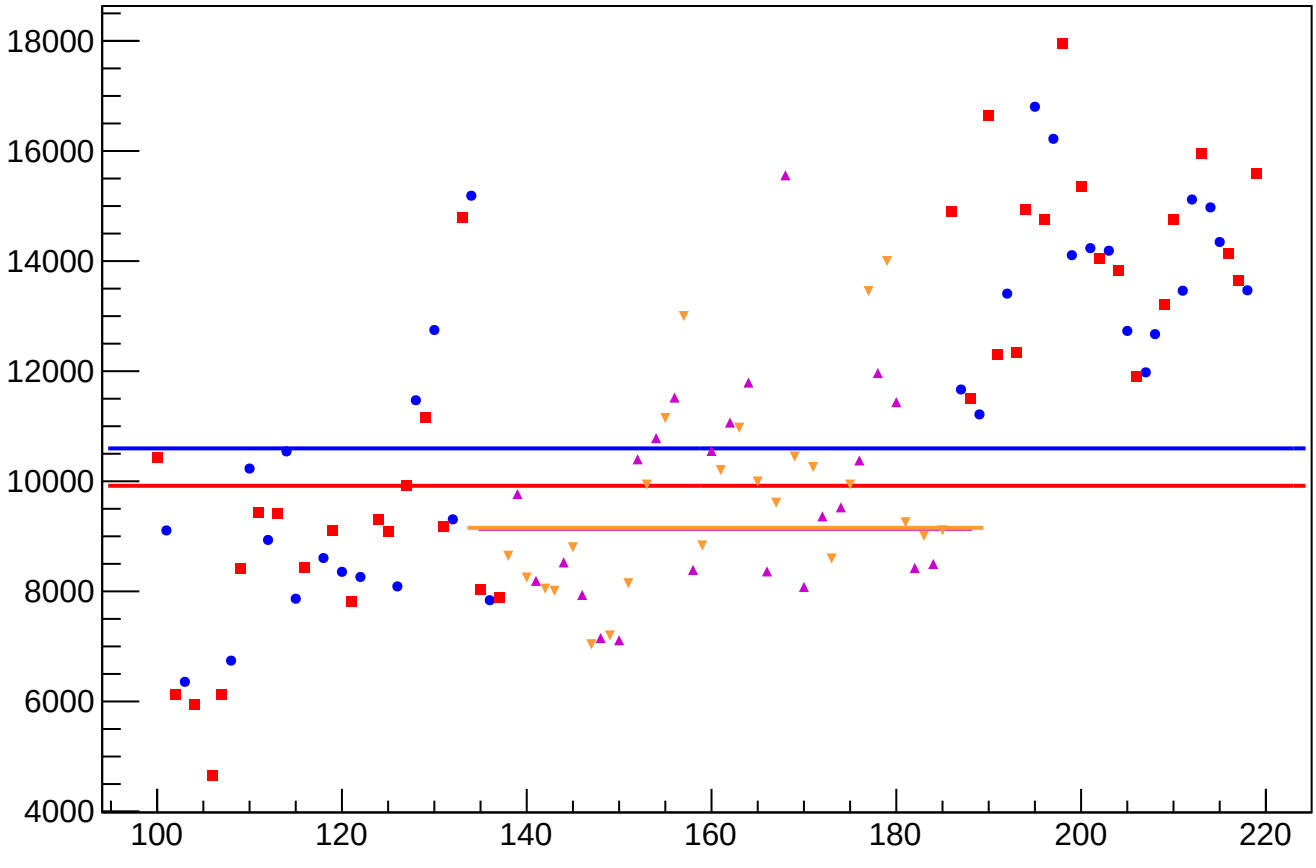
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -621.411+/-1672.279 χ^2/NDF: 82.4/68

In: 374.555+/-1630.309 χ^2/NDF:53.5/54

Out: -730.956+/-1553.561 χ^2/NDF:69.8/61

All: -204.833+/-1124.687 χ^2/NDF: 123.5/116



Right In: 10597.462+/-1.740 χ^2/NDF: 3042969.5/31

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9918.254+/-1.612 χ^2/NDF: 4921821.4/36

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

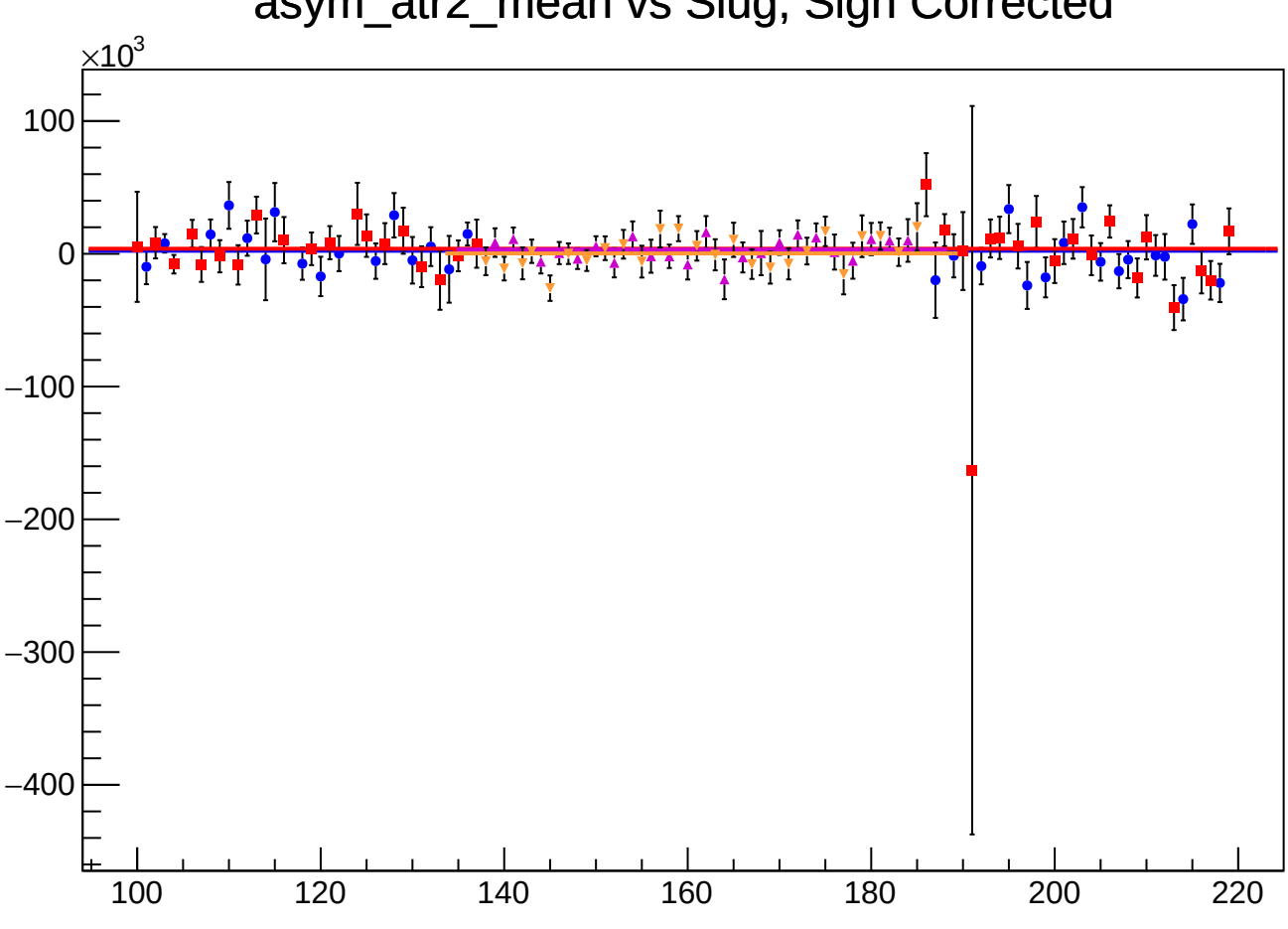
Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

Right: 10231.866+/-1.182 χ^2/NDF: 8046789.7/68

In: 9778.249+/-1.153 χ^2/NDF:4610690.1/54

Out: 9509.415+/-1.099 χ^2/NDF:6114068.7/61

All: 9637.355+/-0.795 χ^2/NDF: 10753260.2/1



Right In: 2303.410+/-2488.092 χ^2/NDF: 41.7/31

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 3821.586+/-2399.169 χ^2/NDF: 38.6/36

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

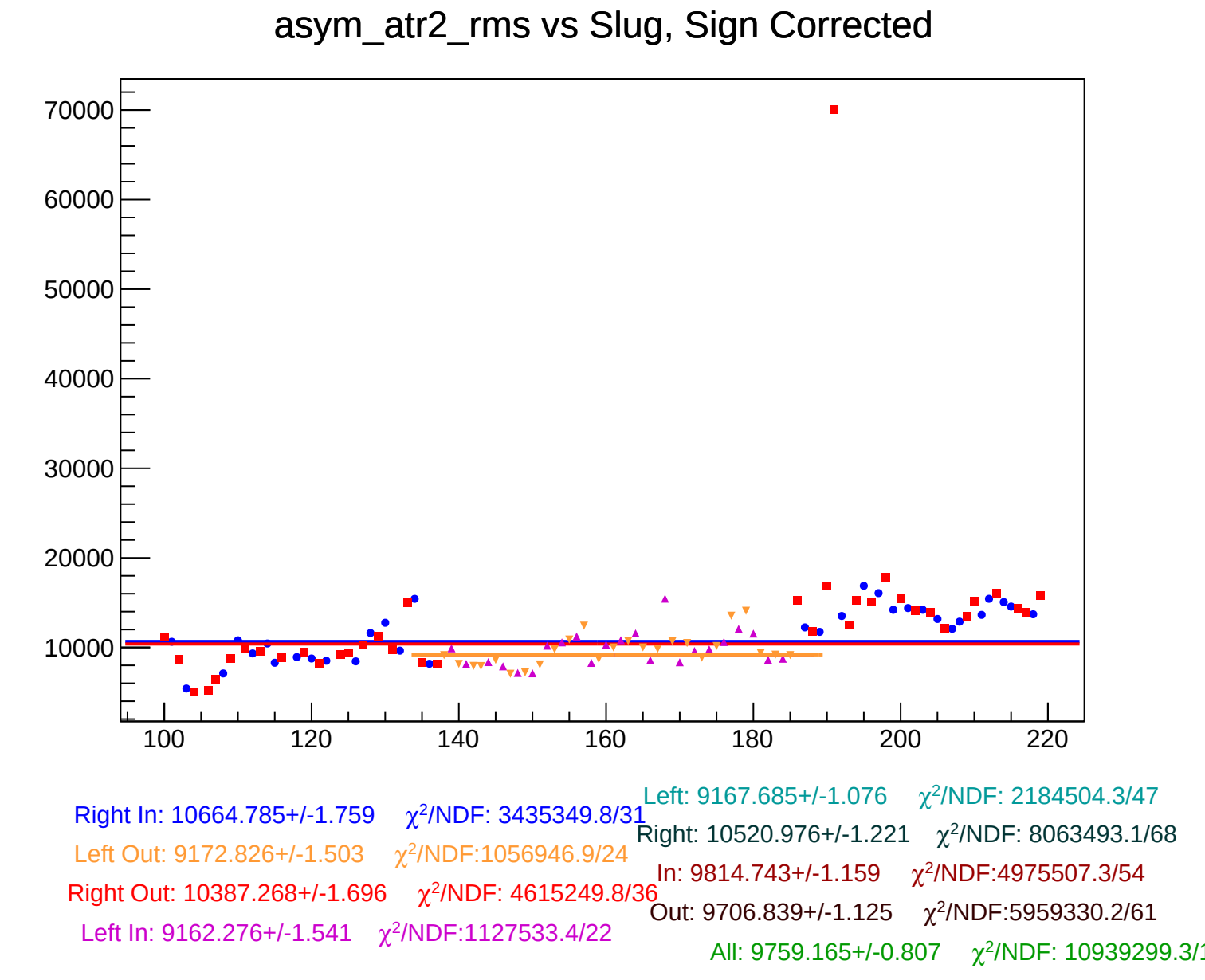
Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

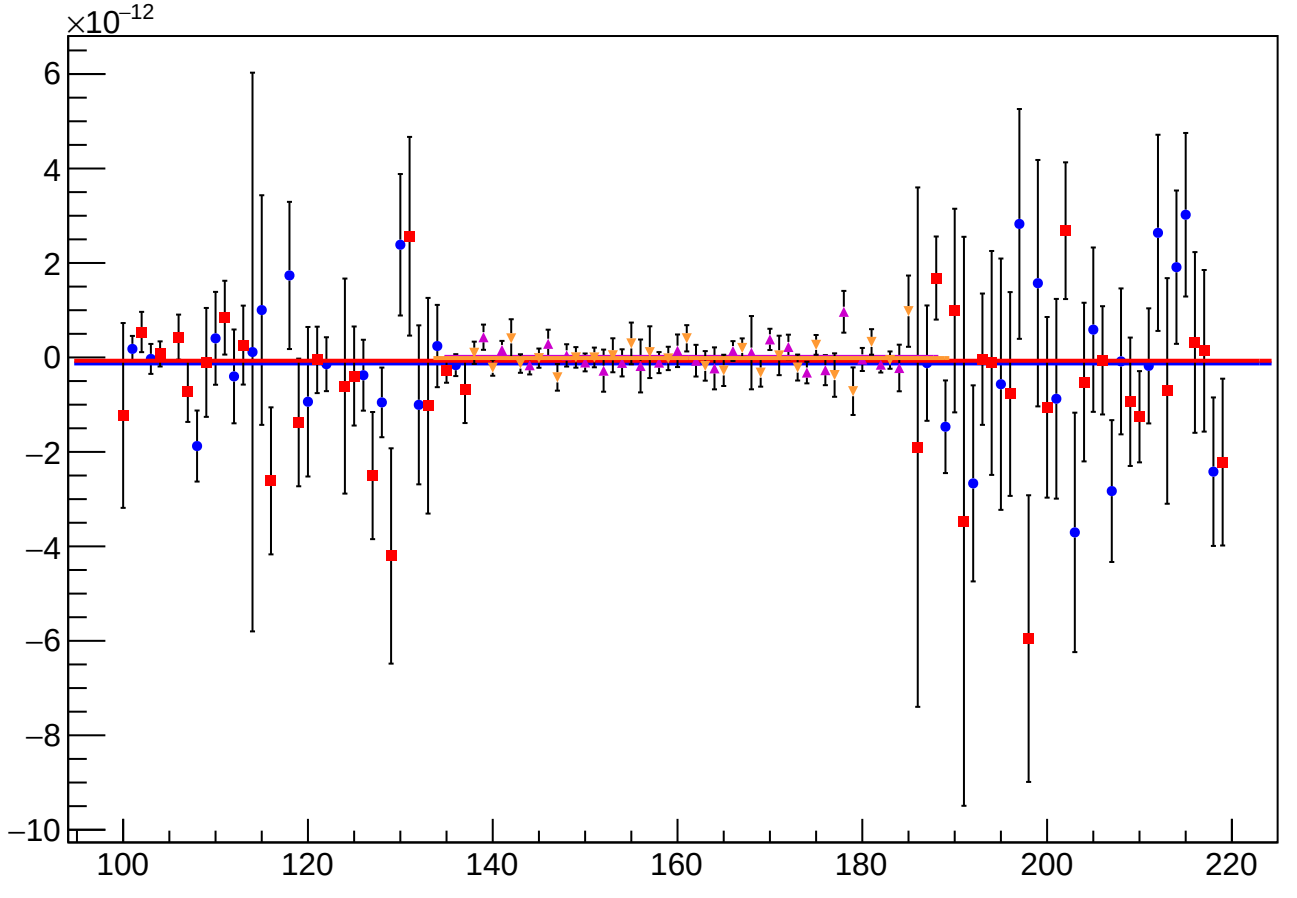
Right: 3090.112+/-1727.050 χ^2/NDF: 80.5/68

In: 2829.701+/-1639.597 χ^2/NDF:55.4/54

Out: 1845.695+/-1590.903 χ^2/NDF:66.2/61

All: 2322.869+/-1141.765 χ^2/NDF: 121.7/116


asym_atr2_rms vs Slug, Sign Corrected
70000
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
220
Right In: 10664.785+/-1.759 χ²/NDF: 3435349.8/31
Left Out: 9172.826+/-1.503 χ²/NDF:1056946.9/24
Right Out: 10387.268+/-1.696 χ²/NDF: 4615249.8/36
Left In: 9162.276+/-1.541 χ²/NDF:1127533.4/22
Left: 9167.685+/-1.076 χ²/NDF: 2184504.3/47
Right: 10520.976+/-1.221 χ²/NDF: 8063493.1/68
In: 9814.743+/-1.159 χ²/NDF:4975507.3/54
Out: 9706.839+/-1.125 χ²/NDF:5959330.2/61
All: 9759.165+/-0.807 χ²/NDF: 10939299.3/1



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/31

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/36

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

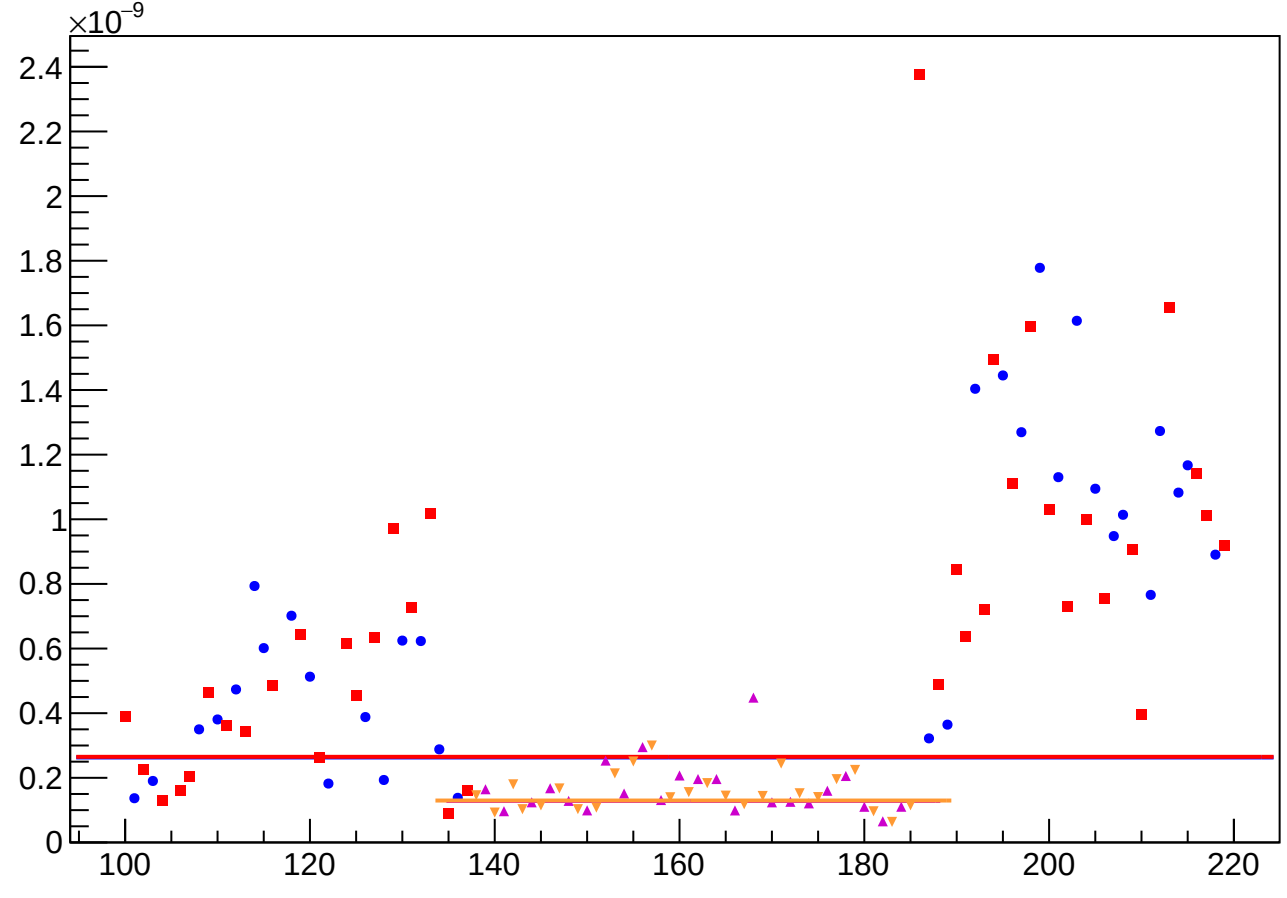
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 69.0/68

In: -0.000+/-0.000 χ^2/NDF:53.4/54

Out: -0.000+/-0.000 χ^2/NDF:55.1/61

All: -0.000+/-0.000 χ^2/NDF: 108.6/116



Right In: 0.000+/-0.000 χ^2/NDF: 8318511.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8149917.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

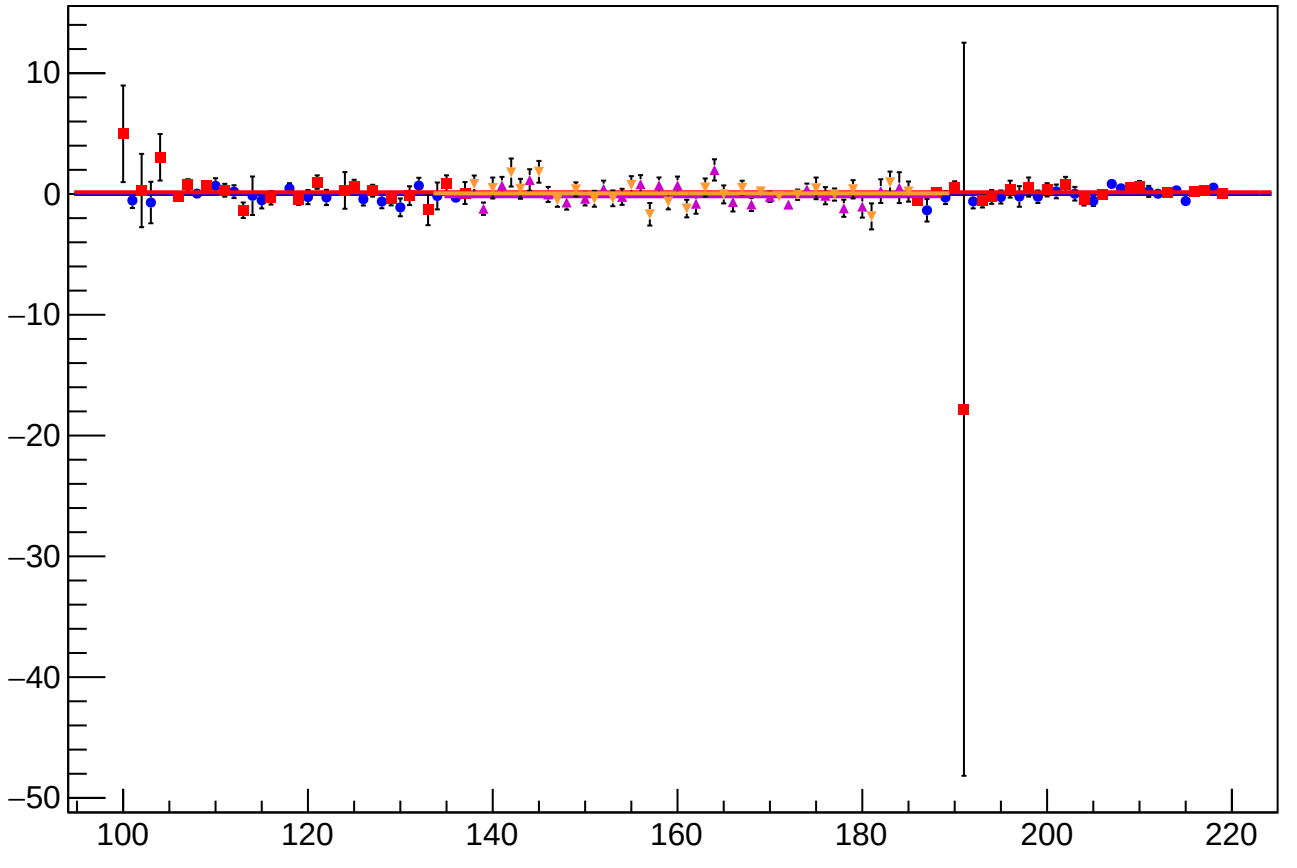
Left: 0.000+/-0.000 χ^2/NDF: 2907331.7/47

Right: 0.000+/-0.000 χ^2/NDF: 16468663.2/68

In: 0.000+/-0.000 χ^2/NDF:11720565.0/54

Out: 0.000+/-0.000 χ^2/NDF:11387848.0/61

All: 0.000+/-0.000 χ^2/NDF: 23108486.0/116



Right In: -0.001+/-0.088 χ^2/NDF: 30.9/31

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.142+/-0.078 χ^2/NDF: 37.4/36

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

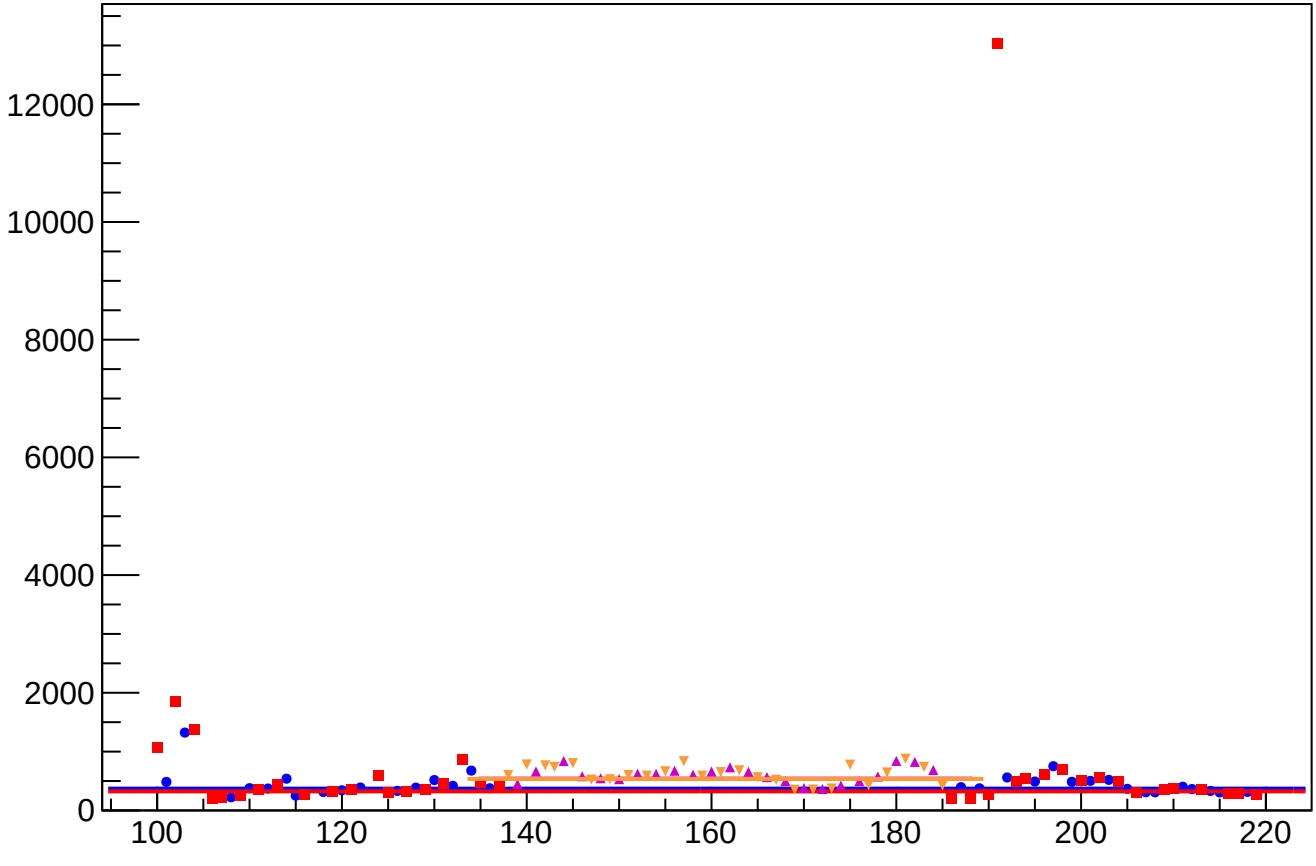
Right: 0.079+/-0.058 χ^2/NDF: 69.9/68

In: -0.058+/-0.073 χ^2/NDF:63.5/54

Out: 0.119+/-0.067 χ^2/NDF:62.5/61

All: 0.039+/-0.049 χ^2/NDF: 129.2/116

asym_atr2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 370.784+/-0.062 χ^2/NDF: 2747102.4/31

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 324.220+/-0.055 χ^2/NDF: 5677155.9/36

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

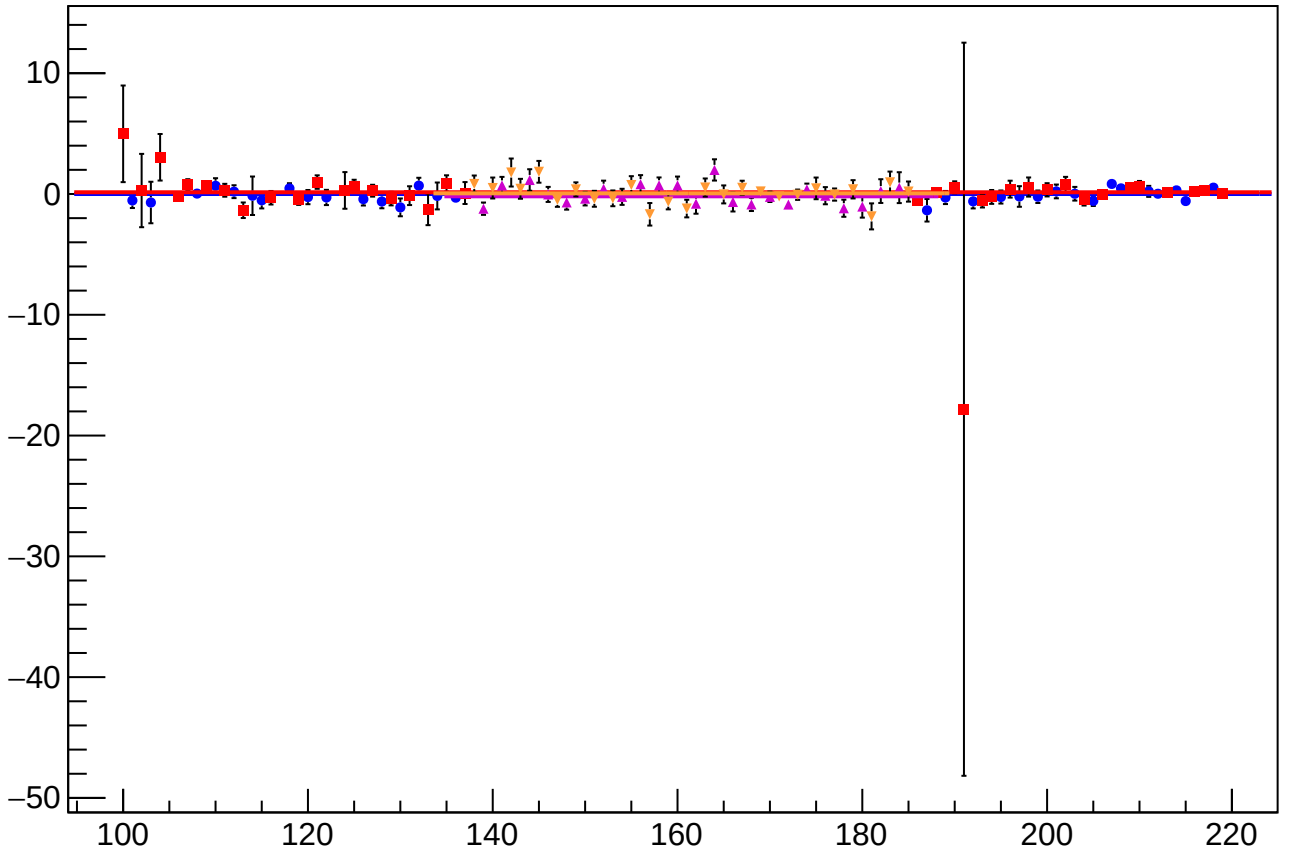
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 344.751+/-0.041 χ^2/NDF: 8740767.1/68

In: 422.089+/-0.052 χ^2/NDF:6929583.0/54

Out: 380.291+/-0.047 χ^2/NDF:12357063.1/61

All: 399.253+/-0.035 χ^2/NDF: 19643555.6/11



Right In: -0.001+/-0.088 χ^2/NDF: 30.9/31

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.142+/-0.078 χ^2/NDF: 37.4/36

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

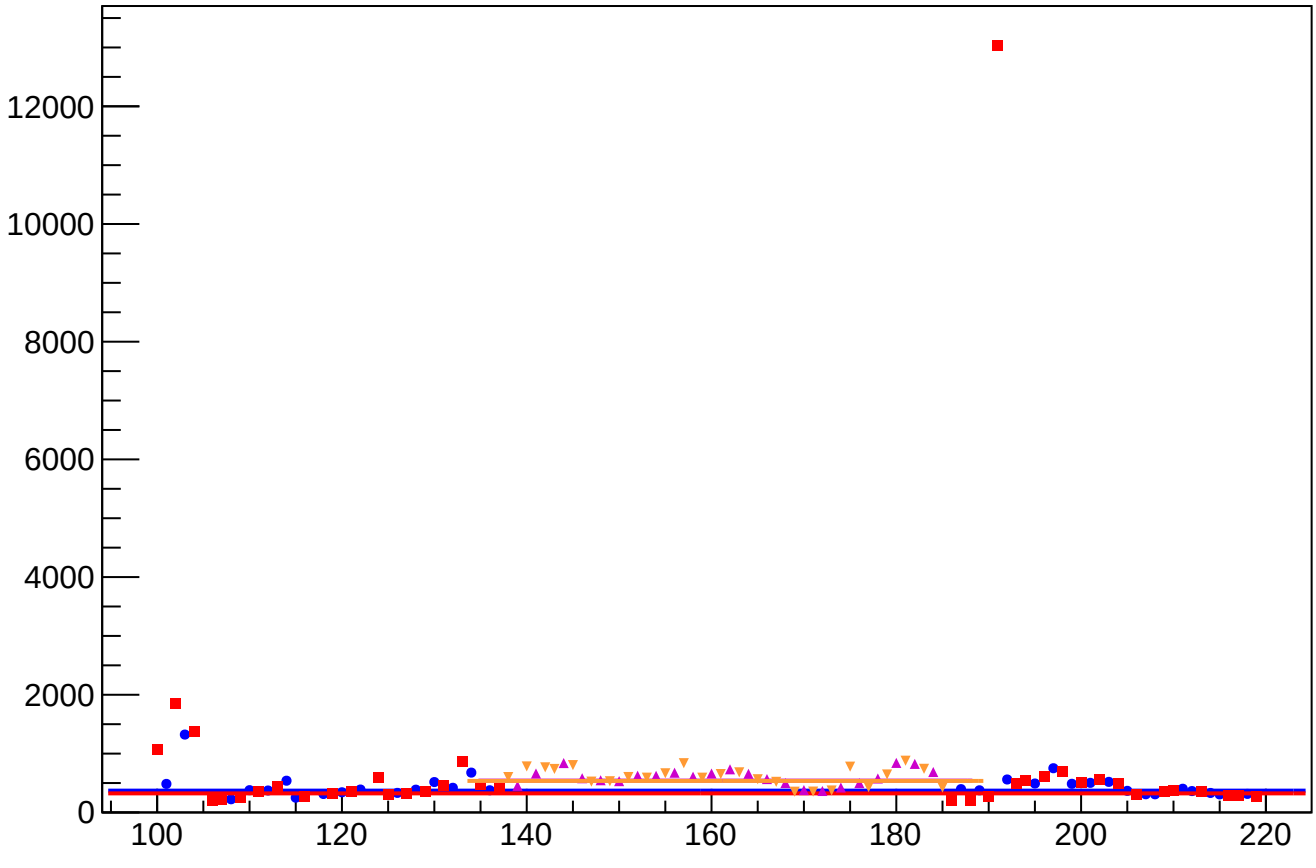
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.079+/-0.058 χ^2/NDF: 69.9/68

In: -0.058+/-0.073 χ^2/NDF:63.5/54

Out: 0.119+/-0.067 χ^2/NDF:62.5/61

All: 0.039+/-0.049 χ^2/NDF: 129.2/116



Right In: 370.784+/-0.062 χ^2/NDF: 2747102.4/31

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 324.220+/-0.055 χ^2/NDF: 5677155.9/36

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

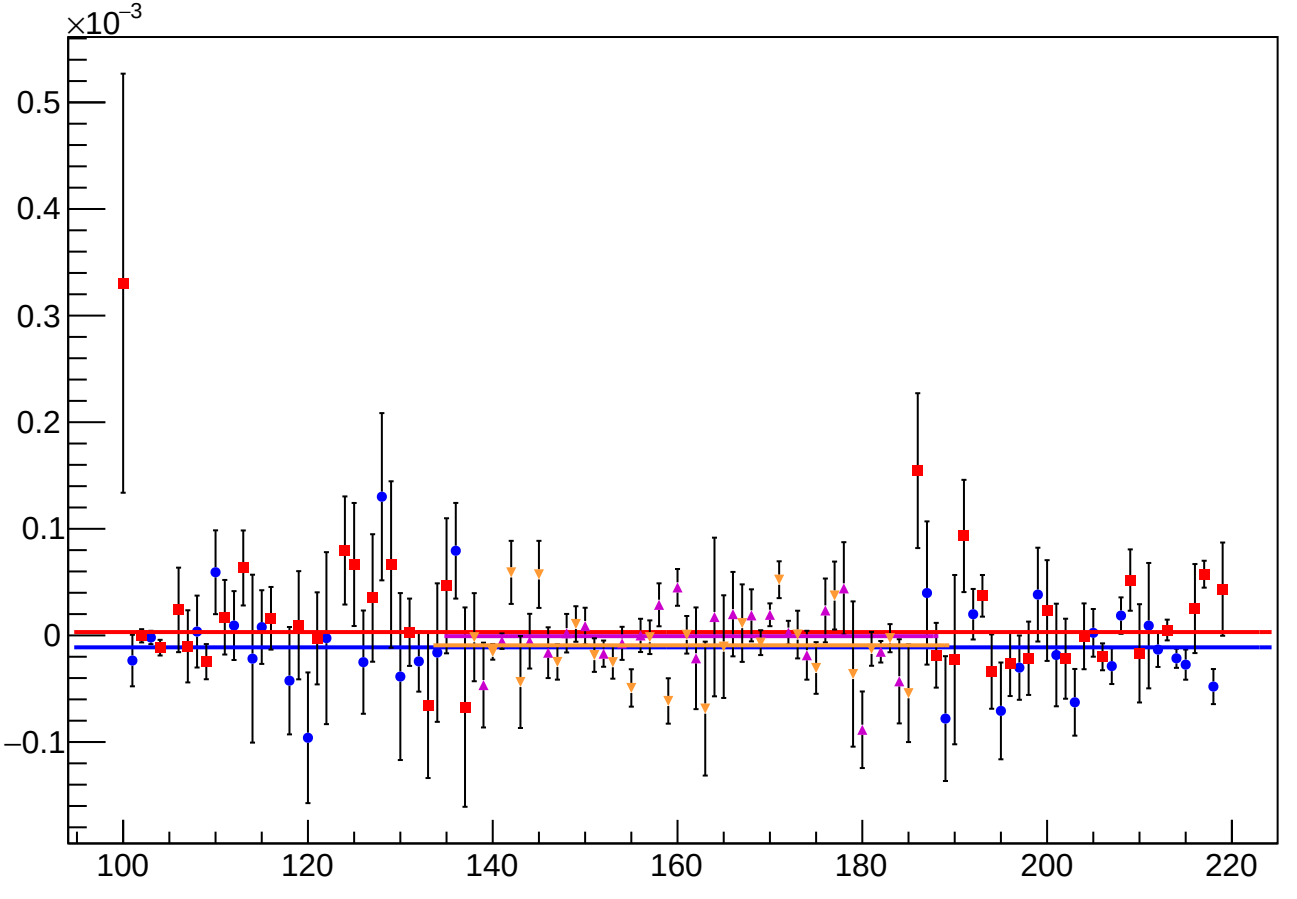
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 344.751+/-0.041 χ^2/NDF: 8740767.1/68

In: 422.089+/-0.052 χ^2/NDF:6929583.0/54

Out: 380.291+/-0.047 χ^2/NDF:12357063.1/61

All: 399.253+/-0.035 χ^2/NDF: 19643555.6/11



Right In: -0.000+/-0.000 χ^2/NDF: 38.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 60.4/36

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

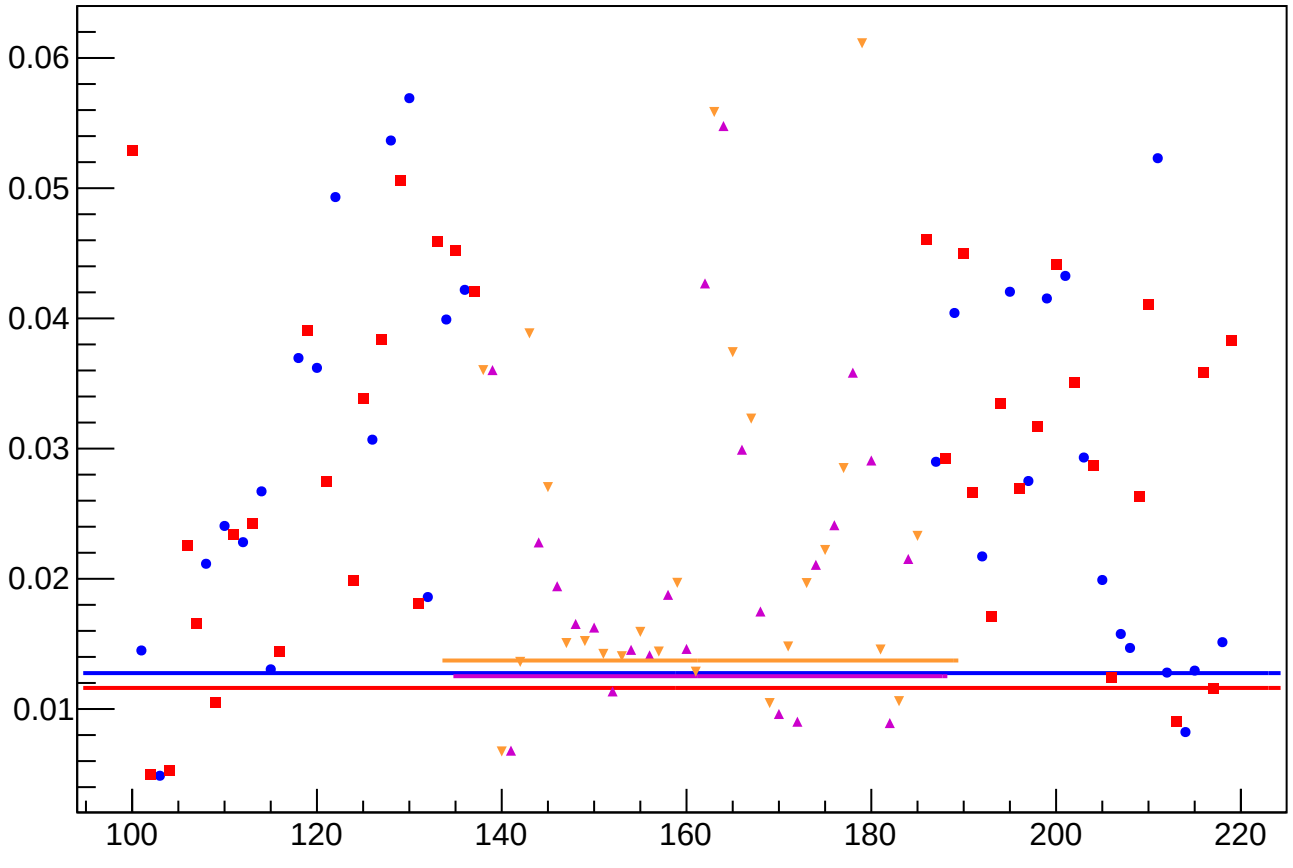
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 107.4/68

In: -0.000+/-0.000 χ^2/NDF:72.9/54

Out: -0.000+/-0.000 χ^2/NDF:112.0/61

All: -0.000+/-0.000 χ^2/NDF: 185.7/116



Right In: 0.013+/-0.000 χ^2/NDF: 13762169.7/31

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 17042047.4/36

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

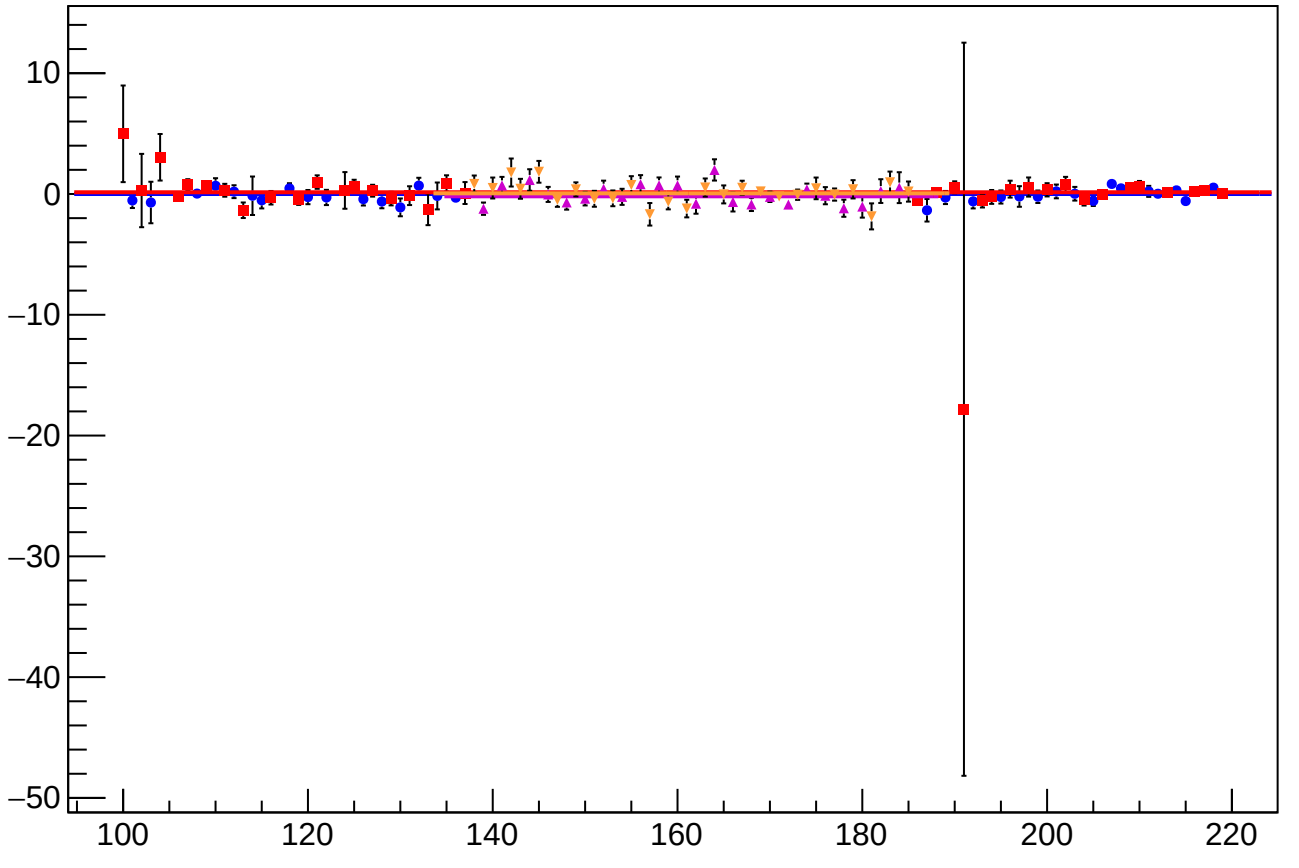
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.012+/-0.000 χ^2/NDF: 30910461.2/68

In: 0.013+/-0.000 χ^2/NDF:20888158.6/54

Out: 0.013+/-0.000 χ^2/NDF:25130545.8/61

All: 0.013+/-0.000 χ^2/NDF: 46019070.4/116



Right In: -0.001+/-0.088 χ^2/NDF: 30.9/31

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.142+/-0.078 χ^2/NDF: 37.4/36

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

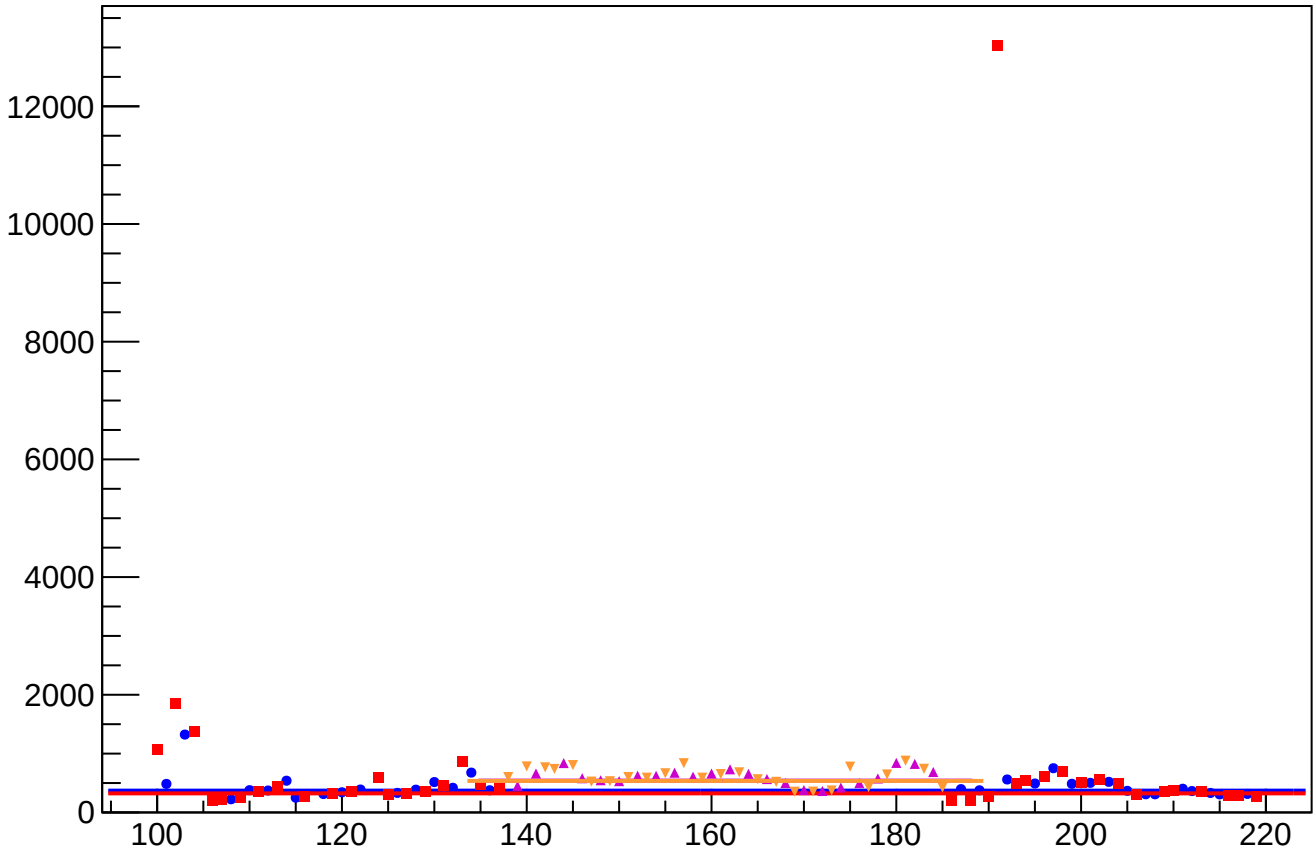
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.079+/-0.058 χ^2/NDF: 69.9/68

In: -0.058+/-0.073 χ^2/NDF:63.5/54

Out: 0.119+/-0.067 χ^2/NDF:62.5/61

All: 0.039+/-0.049 χ^2/NDF: 129.2/116



Right In: 370.782+/-0.062 χ^2/NDF: 2747134.5/31

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 324.220+/-0.055 χ^2/NDF: 5677088.4/36

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

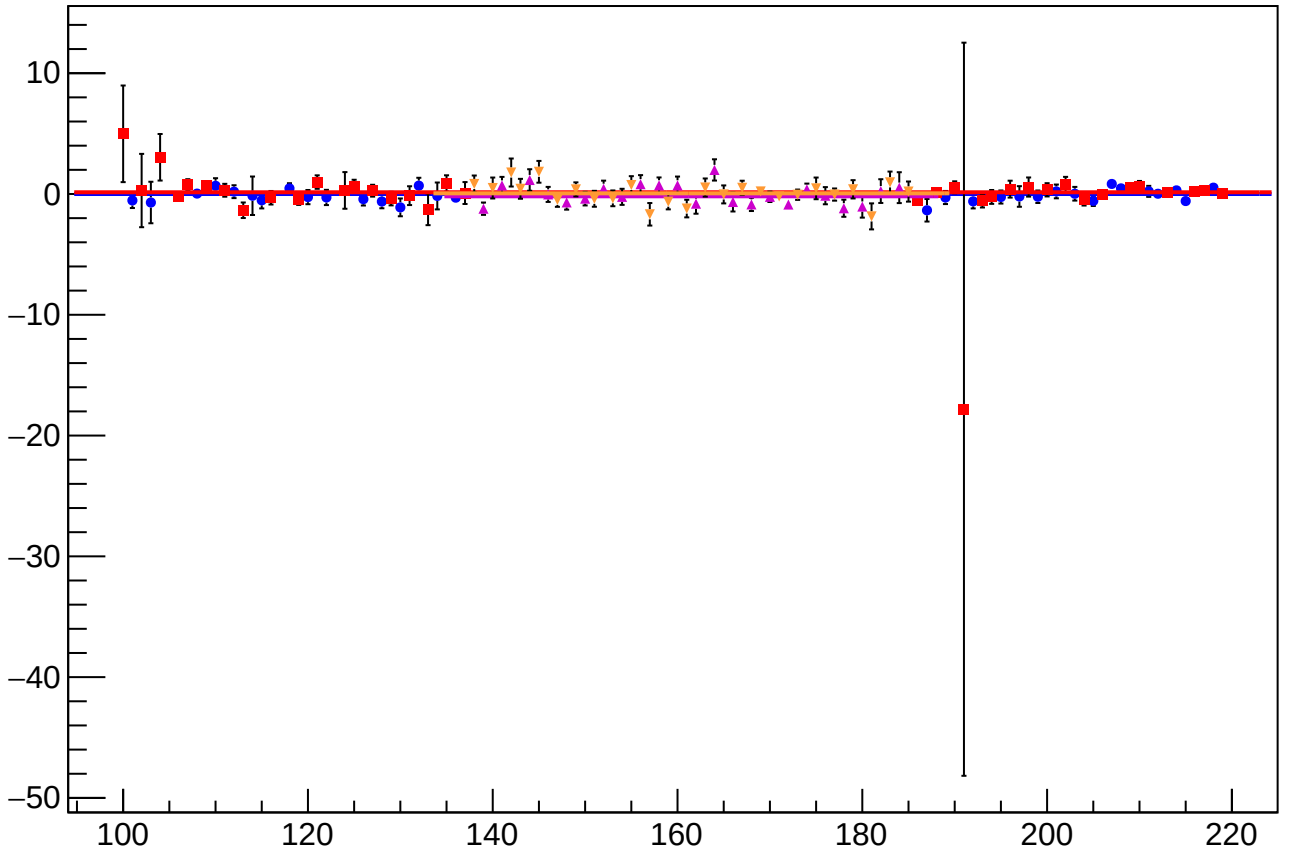
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 344.751+/-0.041 χ^2/NDF: 8740701.5/68

In: 422.088+/-0.052 χ^2/NDF:6929821.1/54

Out: 380.292+/-0.047 χ^2/NDF:12357183.3/61

All: 399.253+/-0.035 χ^2/NDF: 19643885.6/1



Right In: -0.001+/-0.088 χ^2/NDF: 30.9/31

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.142+/-0.078 χ^2/NDF: 37.4/36

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

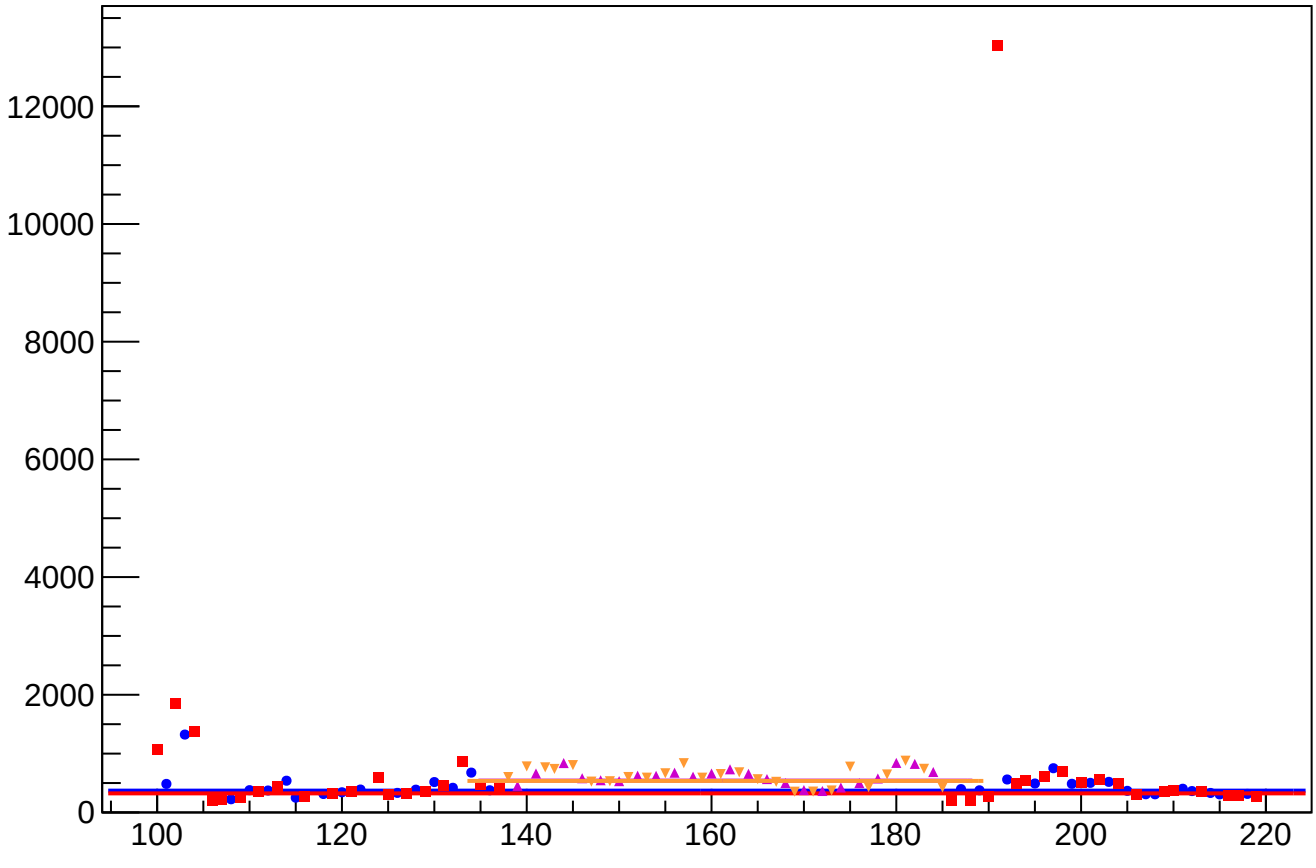
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.079+/-0.058 χ^2/NDF: 69.9/68

In: -0.058+/-0.073 χ^2/NDF:63.5/54

Out: 0.119+/-0.067 χ^2/NDF:62.5/61

All: 0.039+/-0.049 χ^2/NDF: 129.2/116



Right In: 370.782+/-0.062 χ^2/NDF: 2747134.5/31

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 324.220+/-0.055 χ^2/NDF: 5677088.4/36

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

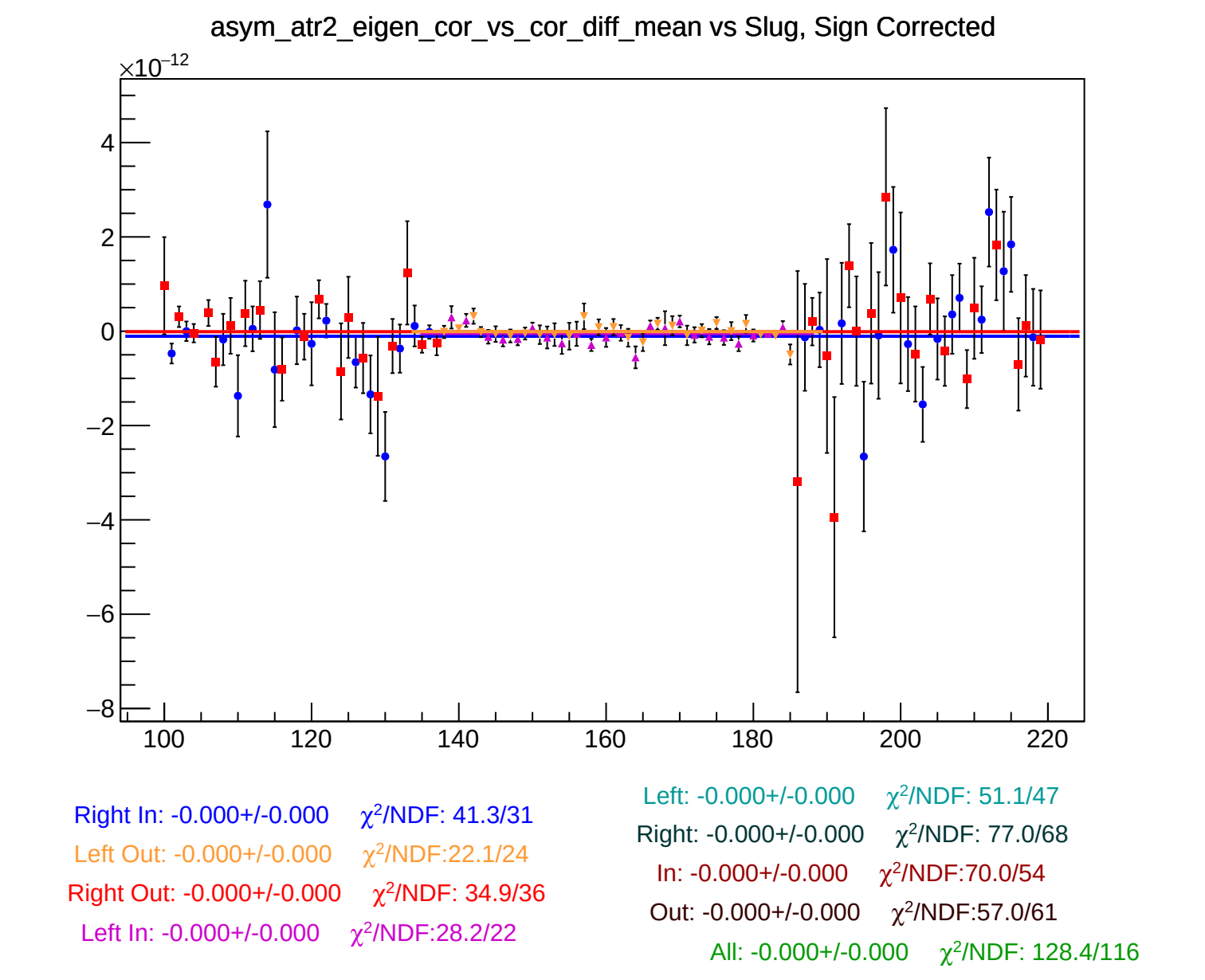
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

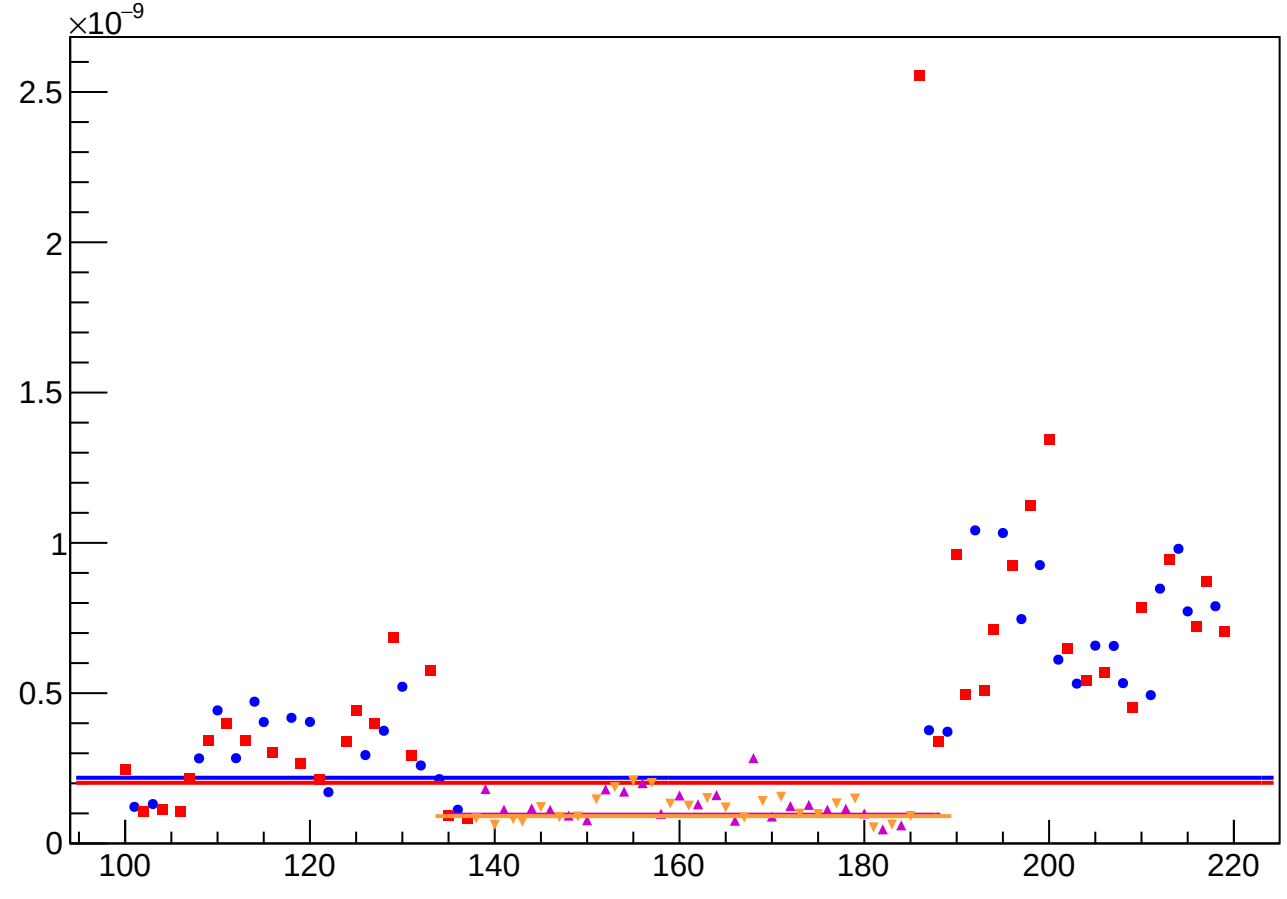
Right: 344.751+/-0.041 χ^2/NDF: 8740701.5/68

In: 422.088+/-0.052 χ^2/NDF:6929821.1/54

Out: 380.292+/-0.047 χ^2/NDF:12357183.3/61

All: 399.253+/-0.035 χ^2/NDF: 19643885.6/11


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: 41.3/31
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.9/36
Left In: -0.000+/-0.000 χ²/NDF:28.2/22
Left: -0.000+/-0.000 χ²/NDF: 51.1/47
Right: -0.000+/-0.000 χ²/NDF: 77.0/68
In: -0.000+/-0.000 χ²/NDF:70.0/54
Out: -0.000+/-0.000 χ²/NDF:57.0/61
All: -0.000+/-0.000 χ²/NDF: 128.4/116



Right In: 0.000+/-0.000 χ^2/NDF: 10047605.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11842987.3/36

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

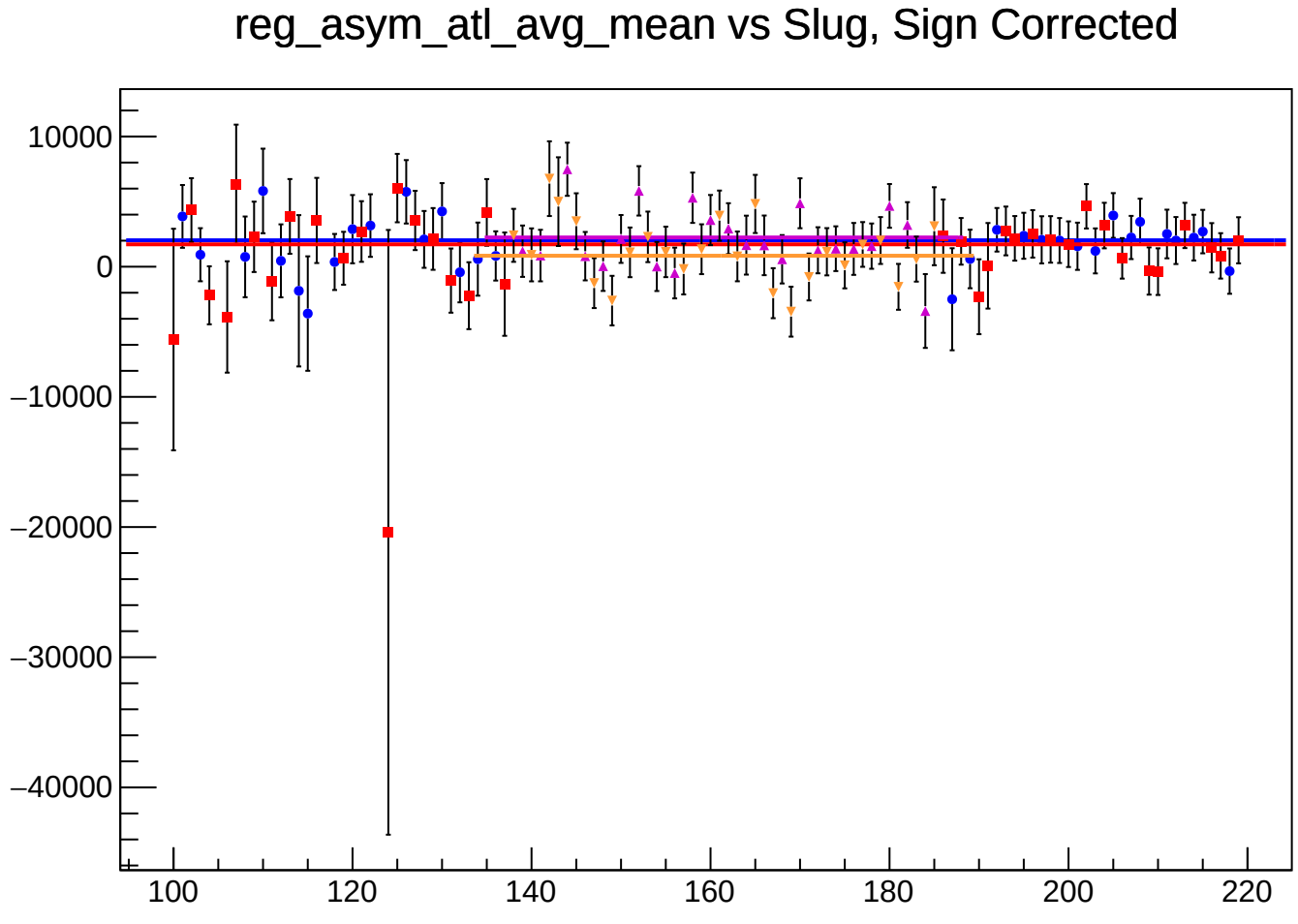
Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

Right: 0.000+/-0.000 χ^2/NDF: 21934226.2/68

In: 0.000+/-0.000 χ^2/NDF:17926918.3/54

Out: 0.000+/-0.000 χ^2/NDF:18761865.3/61

All: 0.000+/-0.000 χ^2/NDF: 36745043.0/116



Right In: 2029.736+/-368.097 χ^2/NDF: 17.2/31

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 1718.741+/-362.803 χ^2/NDF: 30.1/36

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

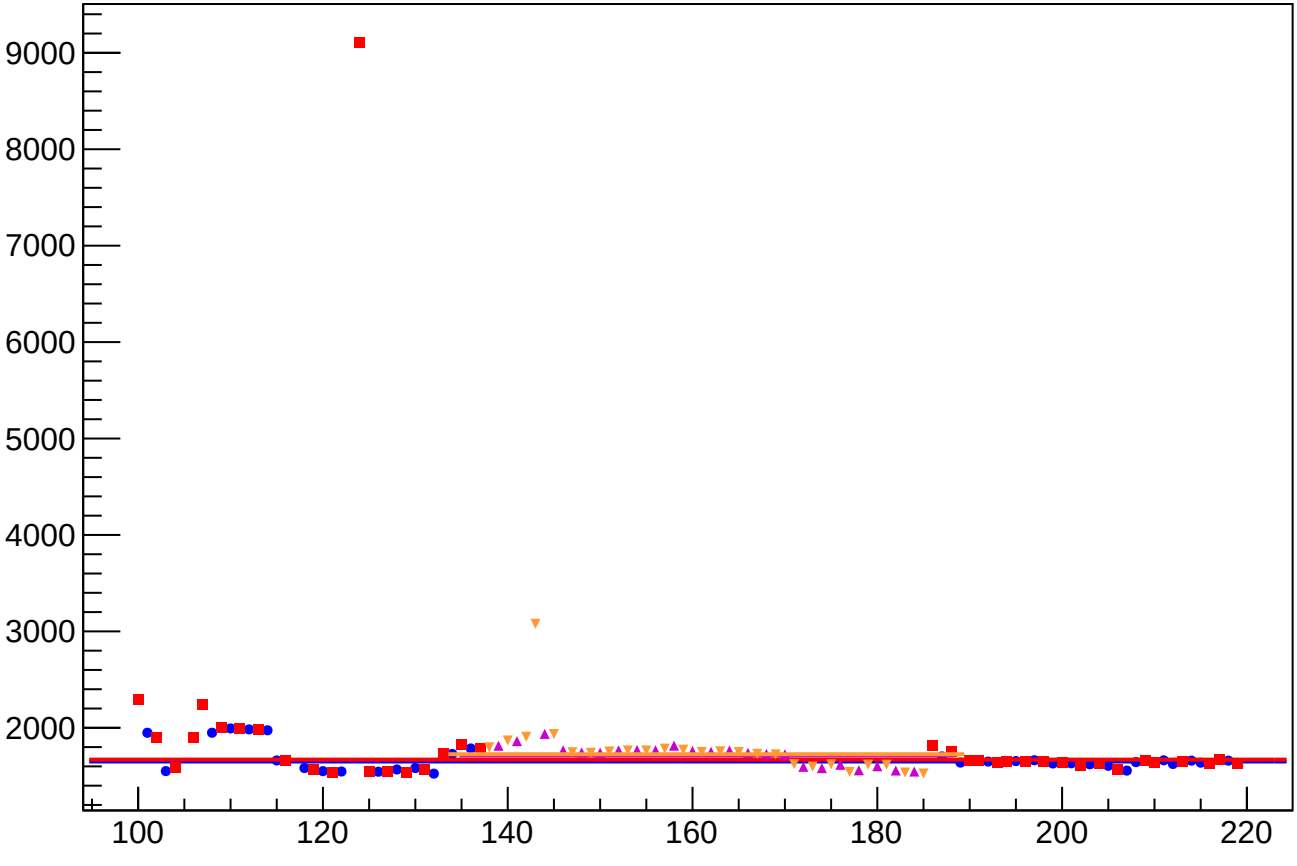
Right: 1871.986+/-258.392 χ^2/NDF: 47.6/68

In: 2128.260+/-271.095 χ^2/NDF:46.8/54

Out: 1316.746+/-267.027 χ^2/NDF:63.1/61

All: 1716.368+/-190.238 χ^2/NDF: 114.4/116

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1650.685+/-0.260 χ^2/NDF: 155575.3/31

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1670.336+/-0.256 χ^2/NDF: 421486.7/36

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

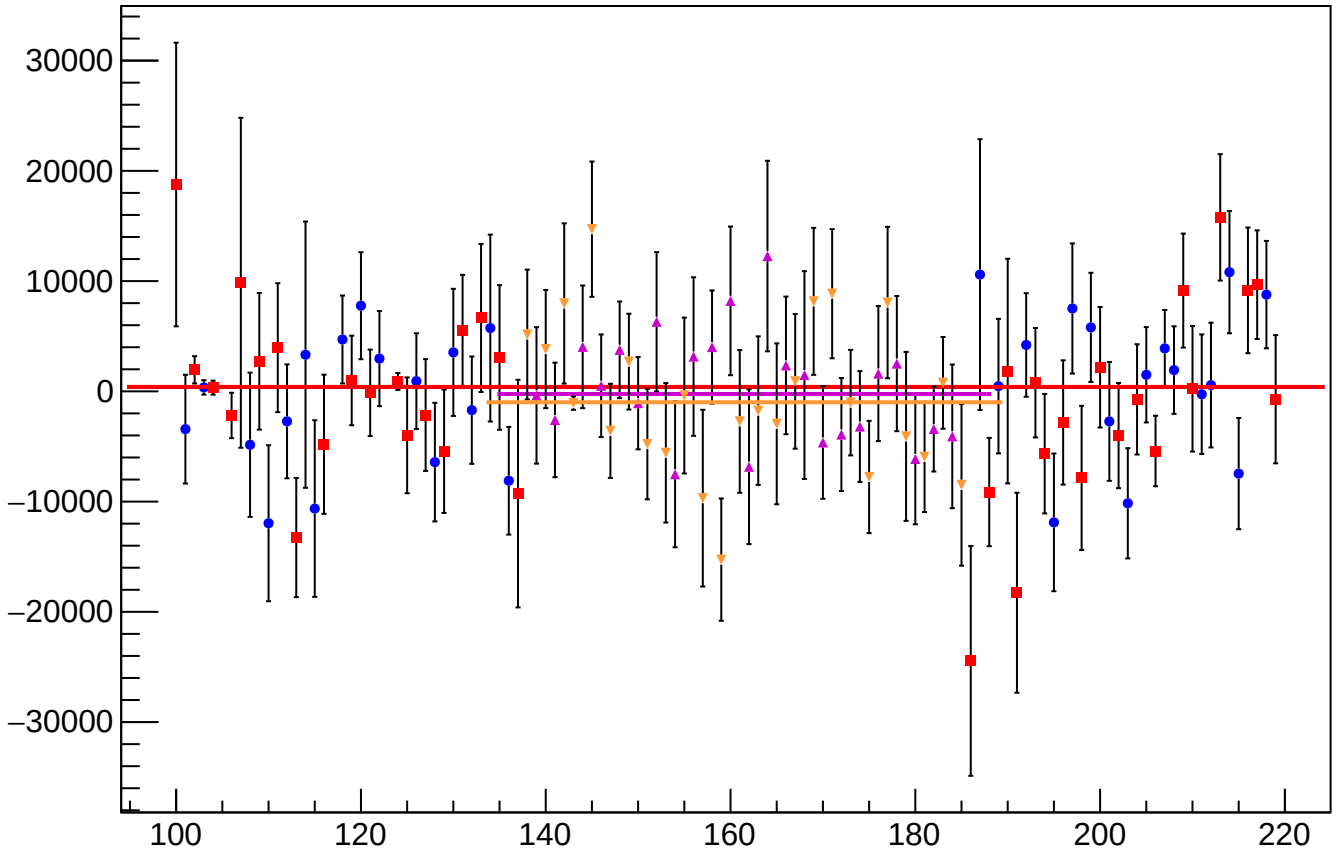
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1660.668+/-0.183 χ^2/NDF: 579957.5/68

In: 1679.272+/-0.192 χ^2/NDF:311225.6/54

Out: 1695.831+/-0.189 χ^2/NDF:898068.9/61

All: 1687.683+/-0.134 χ^2/NDF: 1213085.0/11



Right In: 391.341+/-535.737 χ^2/NDF: 38.8/31

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: 401.541+/-402.933 χ^2/NDF: 55.8/36

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

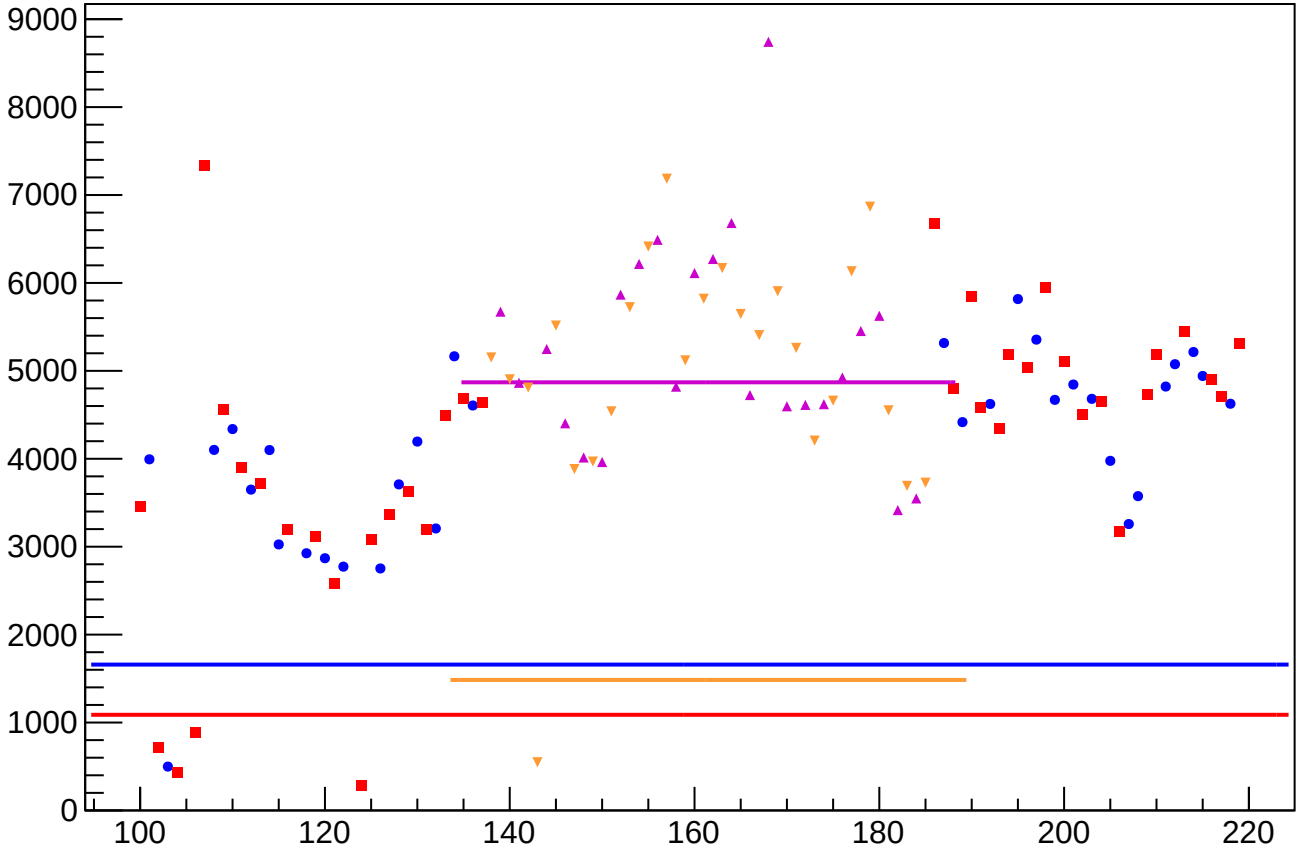
Right: 397.856+/-322.020 χ^2/NDF: 94.6/68

In: 281.216+/-486.741 χ^2/NDF:52.6/54

Out: -93.811+/-323.205 χ^2/NDF:90.9/61

All: 20.947+/-269.252 χ^2/NDF: 143.9/116

asym_atl_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1659.140+/-0.379 χ^2/NDF: 20785161.6/31

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 1088.039+/-0.285 χ^2/NDF: 27139005.3/36

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

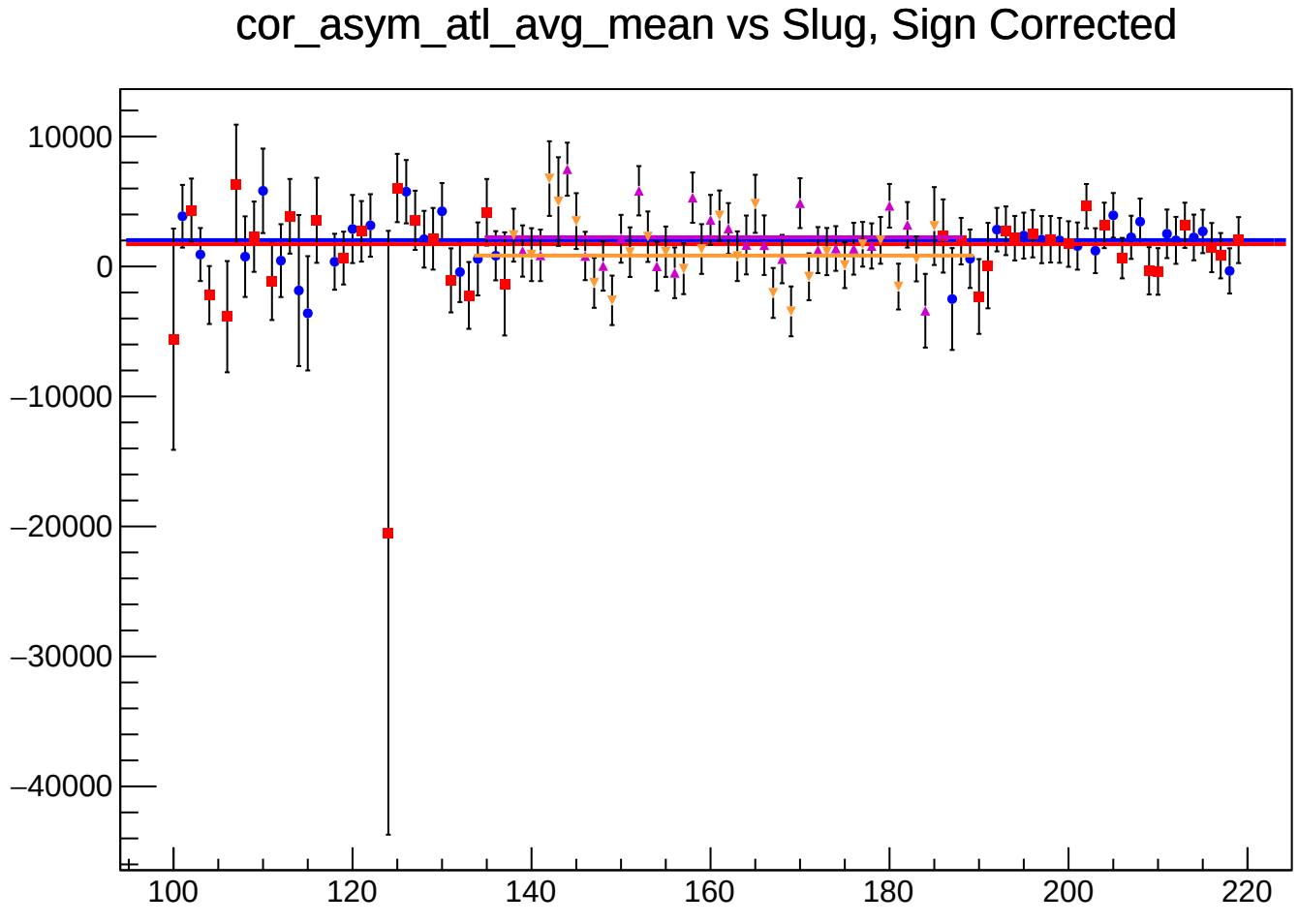
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 1294.375+/-0.228 χ^2/NDF: 49375785.9/68

In: 2219.531+/-0.344 χ^2/NDF:34796569.5/54

Out: 1229.433+/-0.229 χ^2/NDF:51054612.8/61

All: 1532.403+/-0.190 χ^2/NDF: 91594331.9/



Right In: 2029.776+/-368.097 χ^2/NDF: 17.2/31

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1717.967+/-362.803 χ^2/NDF: 30.1/36

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

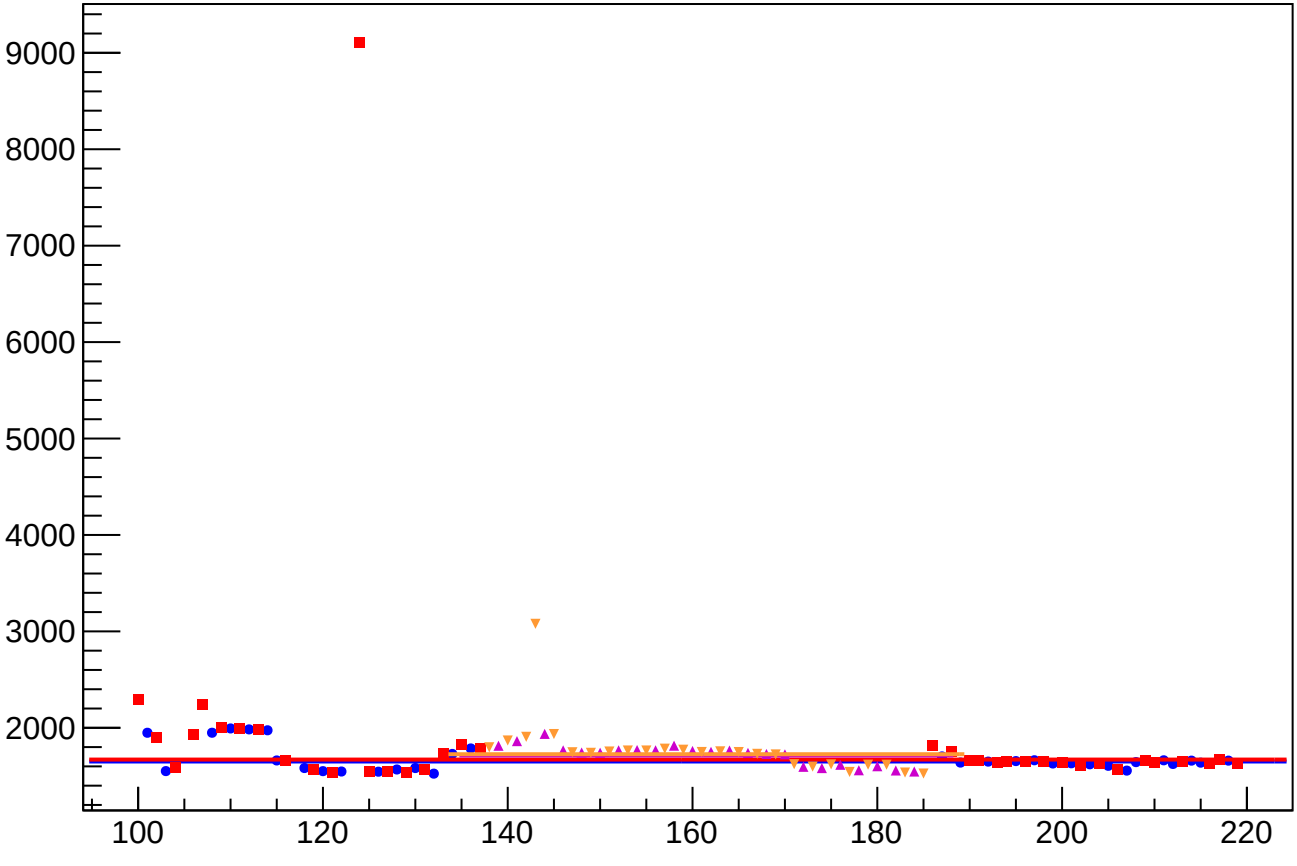
Right: 1871.613+/-258.392 χ^2/NDF: 47.6/68

In: 2128.291+/-271.095 χ^2/NDF:46.8/54

Out: 1316.321+/-267.027 χ^2/NDF:63.1/61

All: 1716.169+/-190.239 χ^2/NDF: 114.4/116

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1650.685+/-0.260 χ^2/NDF: 155575.4/31

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1670.589+/-0.256 χ^2/NDF: 423612.5/36

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

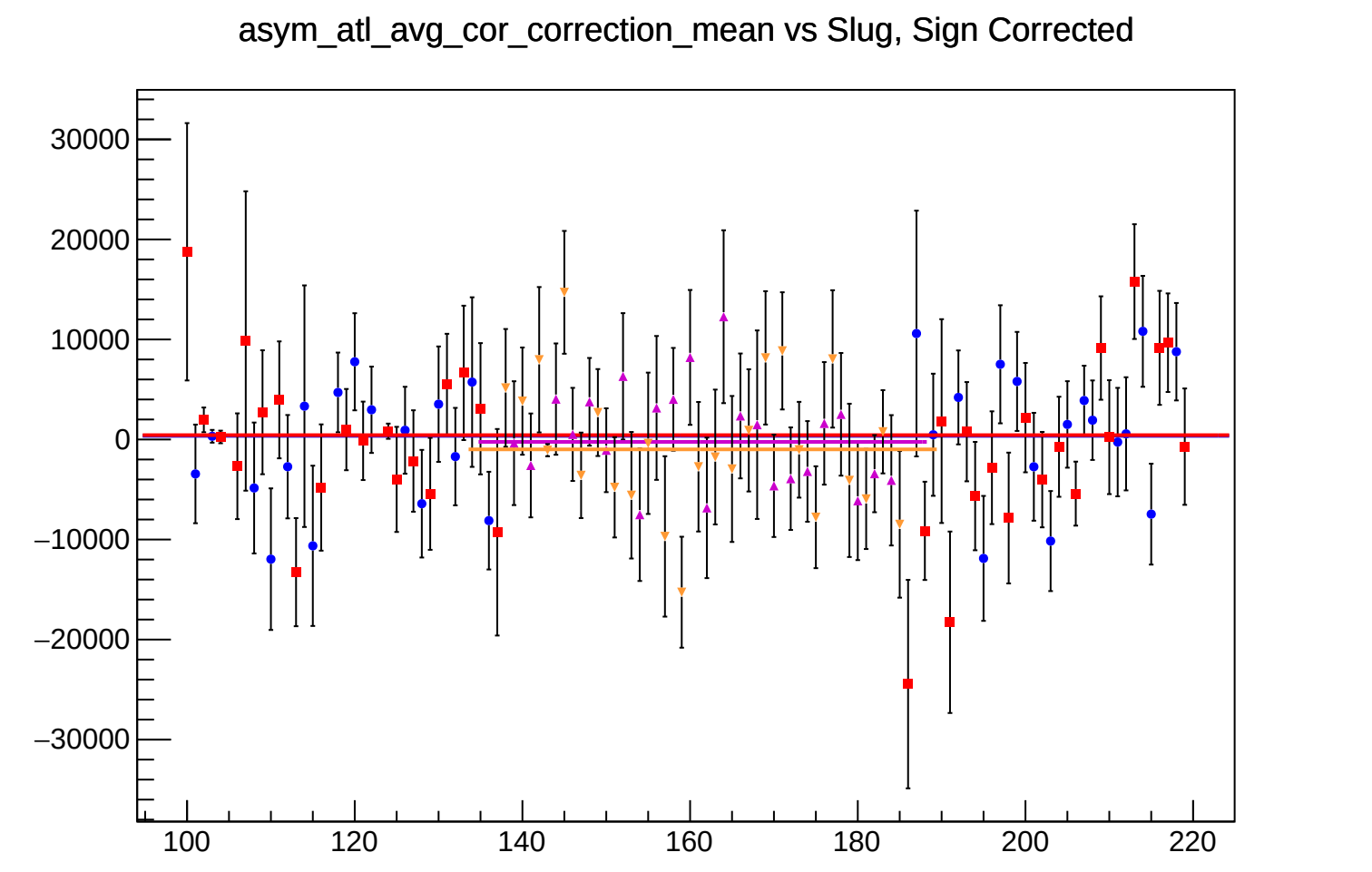
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1660.795+/-0.183 χ^2/NDF: 582157.8/68

In: 1679.272+/-0.192 χ^2/NDF:311225.7/54

Out: 1695.972+/-0.189 χ^2/NDF:899995.8/61

All: 1687.754+/-0.134 χ^2/NDF: 1215076.6/11



Right In: 365.827+/-526.589 χ^2/NDF: 38.8/31

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 434.800+/-407.906 χ^2/NDF: 54.5/36

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

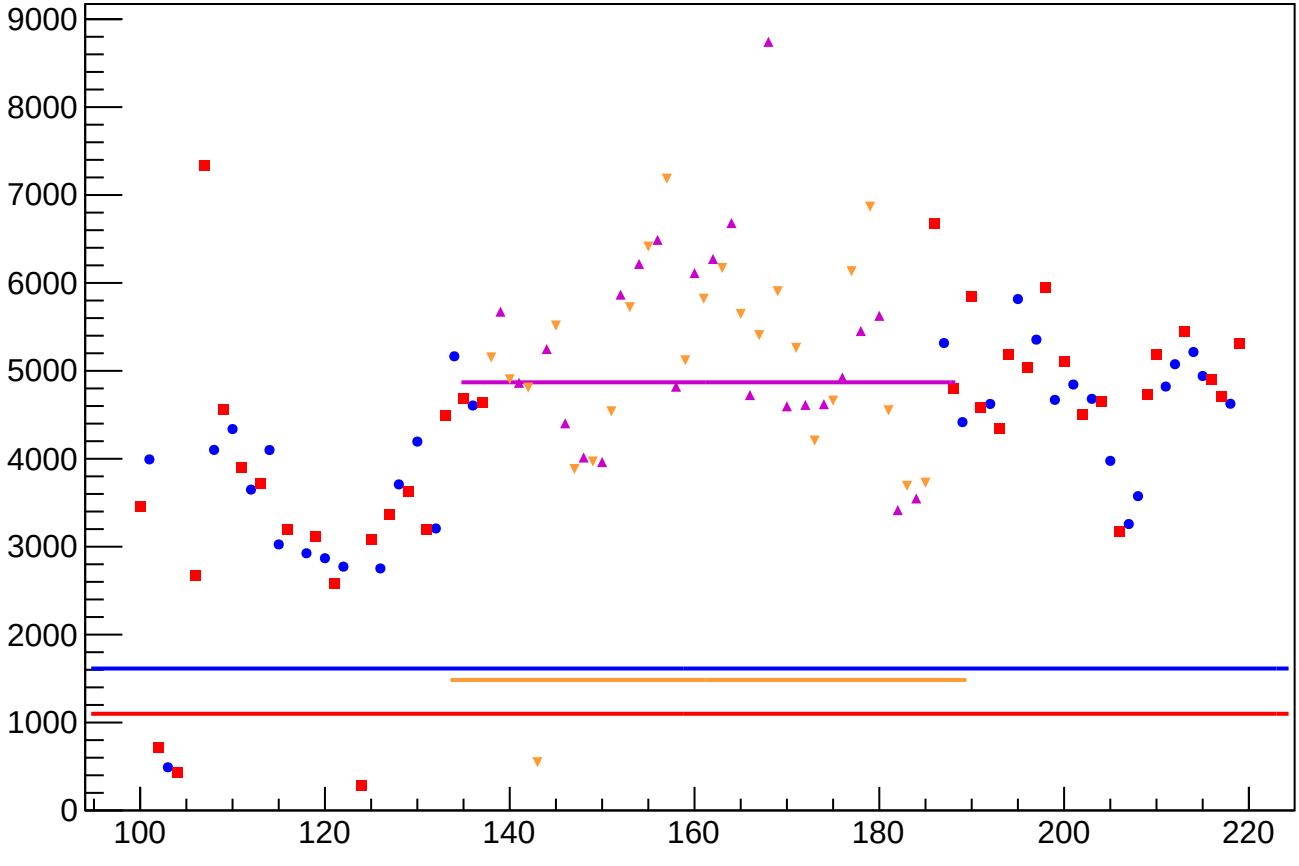
Right: 408.934+/-322.474 χ^2/NDF: 93.4/68

In: 263.144+/-479.850 χ^2/NDF:52.6/54

Out: -80.348+/-325.751 χ^2/NDF:89.8/61

All: 28.013+/-269.515 χ^2/NDF: 142.7/116

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1614.305+/-0.372 χ^2/NDF: 21192520.6/31

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1099.539+/-0.288 χ^2/NDF: 27353439.4/36

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

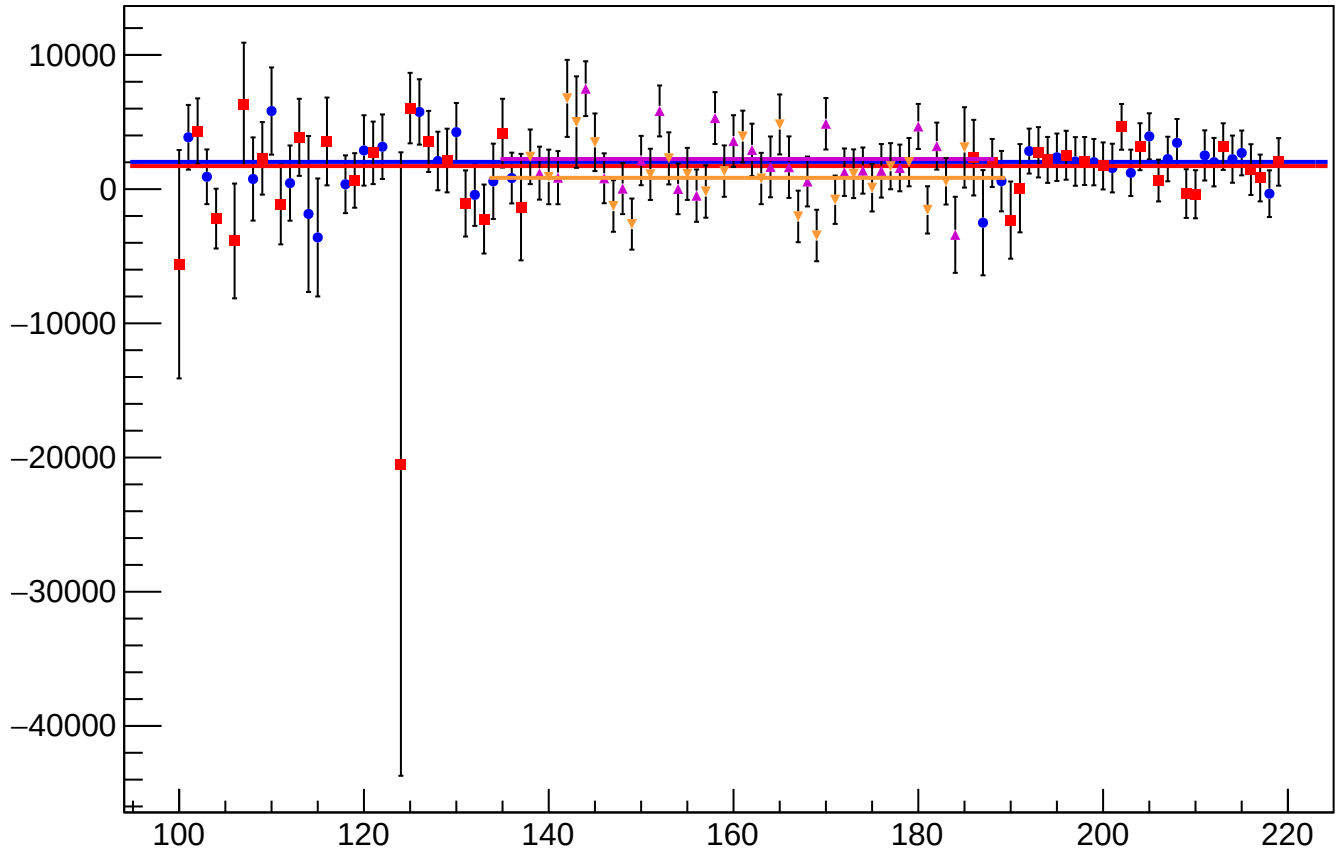
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1292.583+/-0.228 χ^2/NDF: 49740436.7/68

In: 2166.546+/-0.339 χ^2/NDF:35633156.6/54

Out: 1238.984+/-0.230 χ^2/NDF:51224239.0/61

All: 1531.601+/-0.191 χ^2/NDF: 91973022.7/1



Right In: 2029.776+/-368.097 χ^2/NDF: 17.2/31

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1717.967+/-362.803 χ^2/NDF: 30.1/36

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

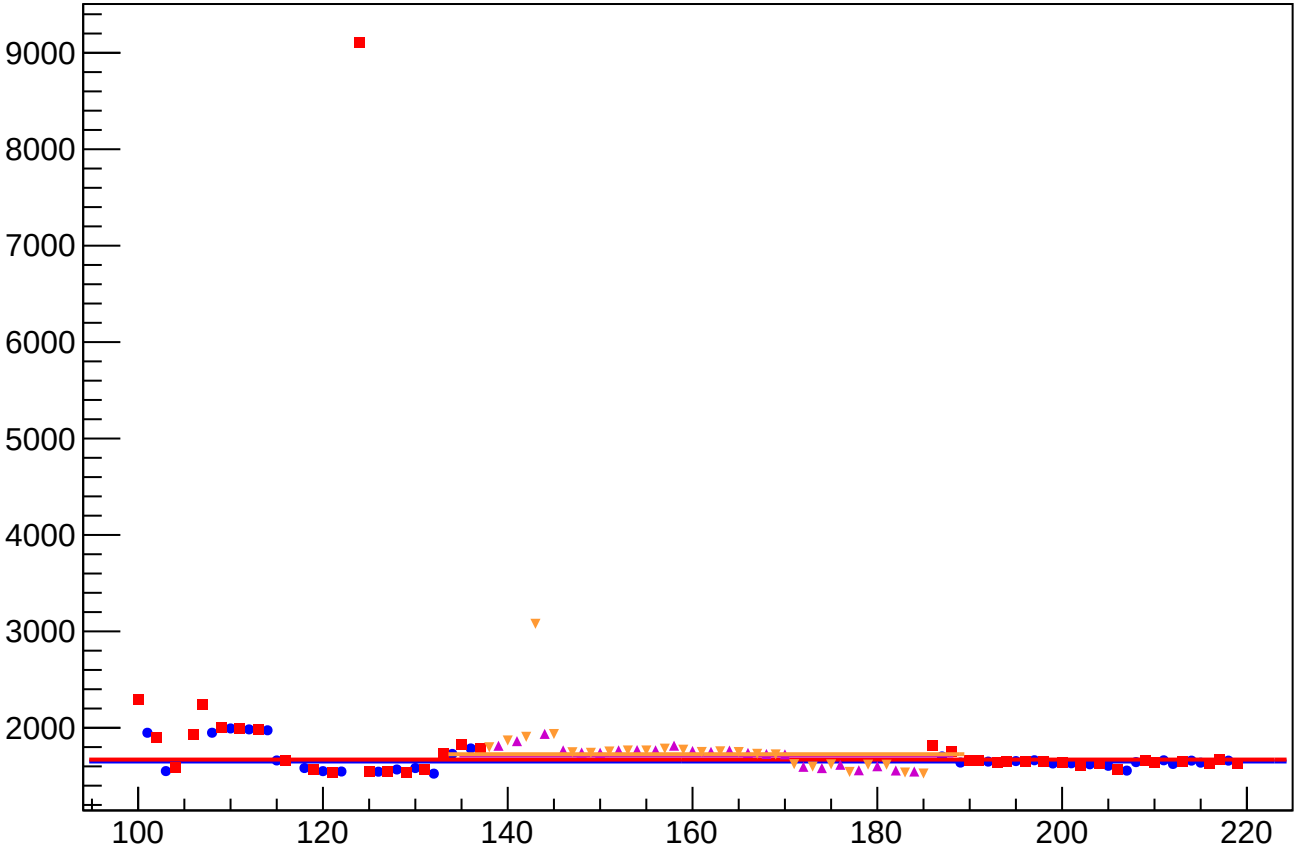
Right: 1871.613+/-258.392 χ^2/NDF: 47.6/68

In: 2128.291+/-271.095 χ^2/NDF:46.8/54

Out: 1316.321+/-267.027 χ^2/NDF:63.1/61

All: 1716.169+/-190.239 χ^2/NDF: 114.4/116

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1650.685+/-0.260 χ^2/NDF: 155575.4/31

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1670.589+/-0.256 χ^2/NDF: 423612.5/36

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

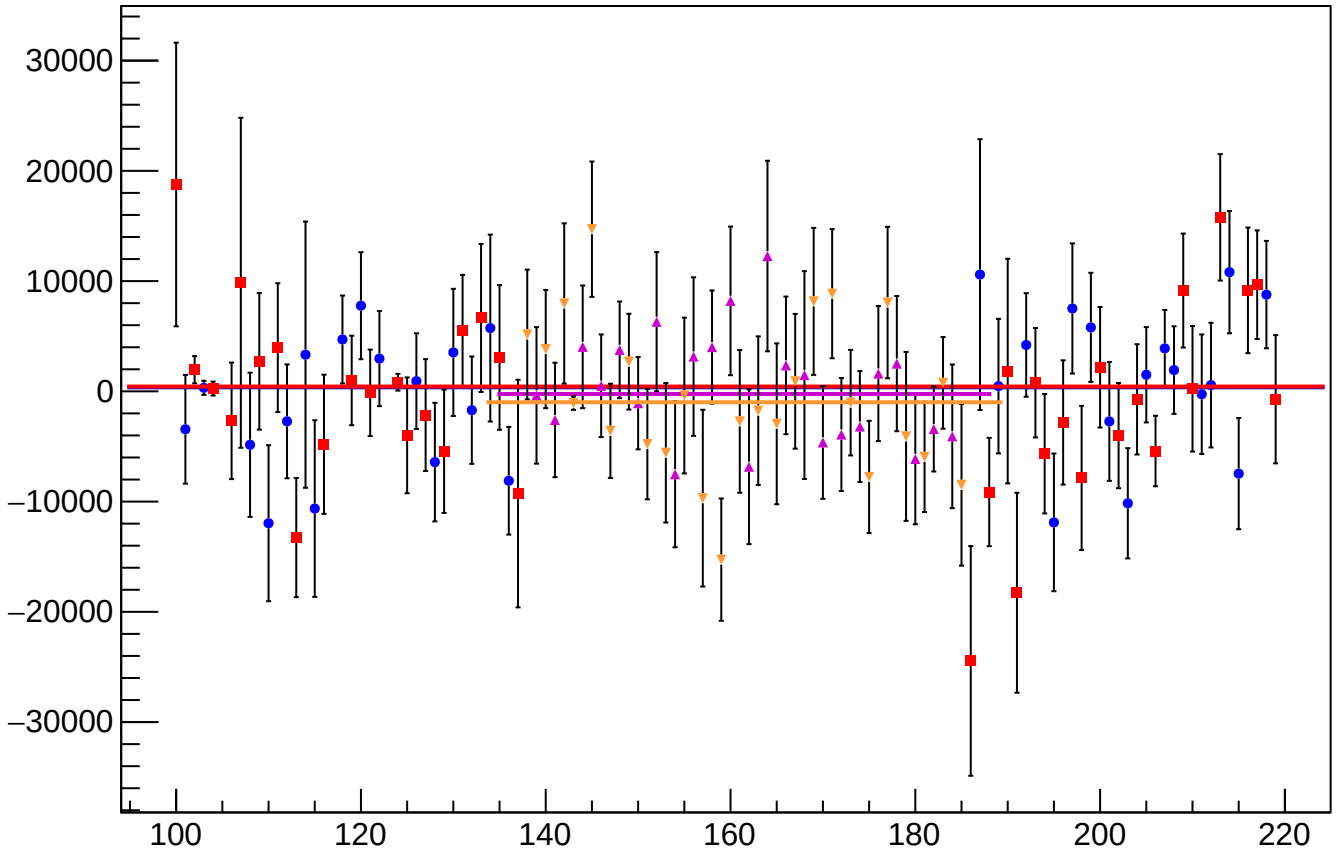
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1660.795+/-0.183 χ^2/NDF: 582157.8/68

In: 1679.272+/-0.192 χ^2/NDF:311225.7/54

Out: 1695.972+/-0.189 χ^2/NDF:899995.8/61

All: 1687.754+/-0.134 χ^2/NDF: 1215076.6/11



Right In: 365.827+/-526.589 χ^2/NDF: 38.8/31

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 434.800+/-407.906 χ^2/NDF: 54.5/36

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

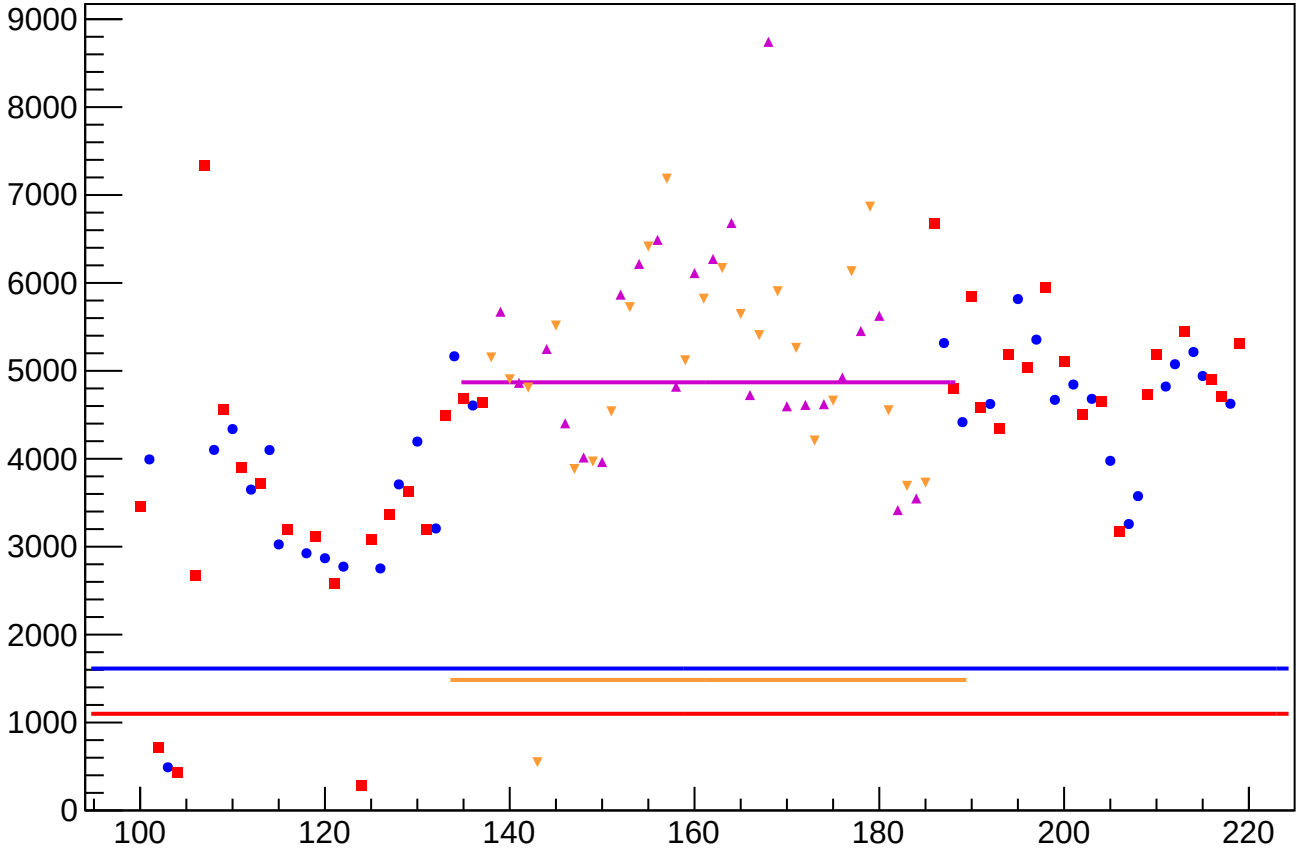
Right: 408.934+/-322.474 χ^2/NDF: 93.4/68

In: 263.144+/-479.850 χ^2/NDF:52.6/54

Out: -80.348+/-325.751 χ^2/NDF:89.8/61

All: 28.013+/-269.515 χ^2/NDF: 142.7/116

asym_atl_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1614.305+/-0.372 χ^2/NDF: 21192520.6/31

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1099.539+/-0.288 χ^2/NDF: 27353439.4/36

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

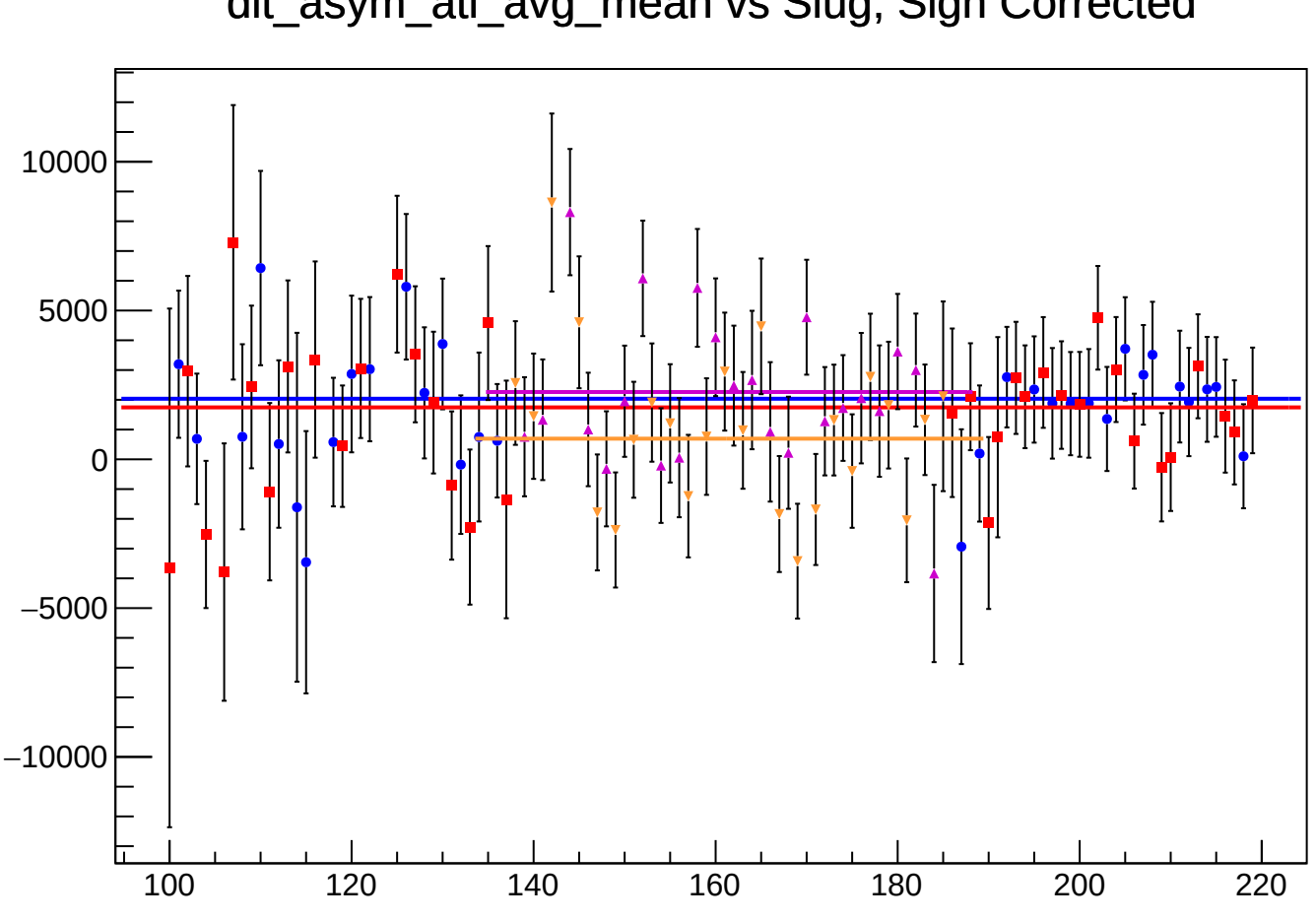
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1292.583+/-0.228 χ^2/NDF: 49740436.7/68

In: 2166.546+/-0.339 χ^2/NDF:35633156.6/54

Out: 1238.984+/-0.230 χ^2/NDF:51224239.0/61

All: 1531.601+/-0.191 χ^2/NDF: 91973022.7/1



Right In: 2035.668+/-371.782 χ^2/NDF: 16.1/31

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 1744.905+/-368.411 χ^2/NDF: 27.2/35

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

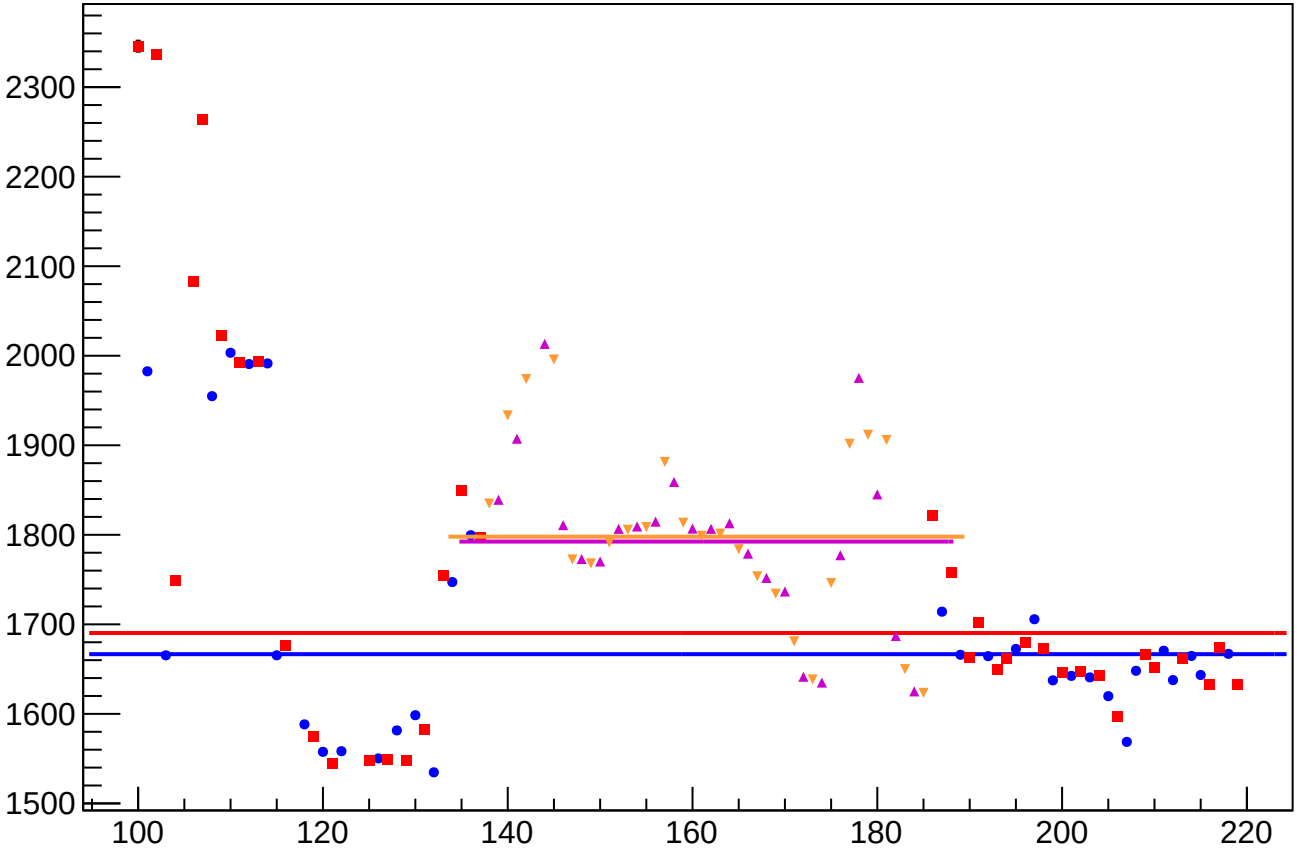
Right: 1888.963+/-261.690 χ^2/NDF: 43.7/67

In: 2135.218+/-278.143 χ^2/NDF:46.7/54

Out: 1285.658+/-276.399 χ^2/NDF:63.0/59

All: 1707.765+/-196.057 χ^2/NDF: 114.4/114

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1666.685+/-0.263 χ^2/NDF: 153015.9/31

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1690.339+/-0.260 χ^2/NDF: 291331.9/35

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

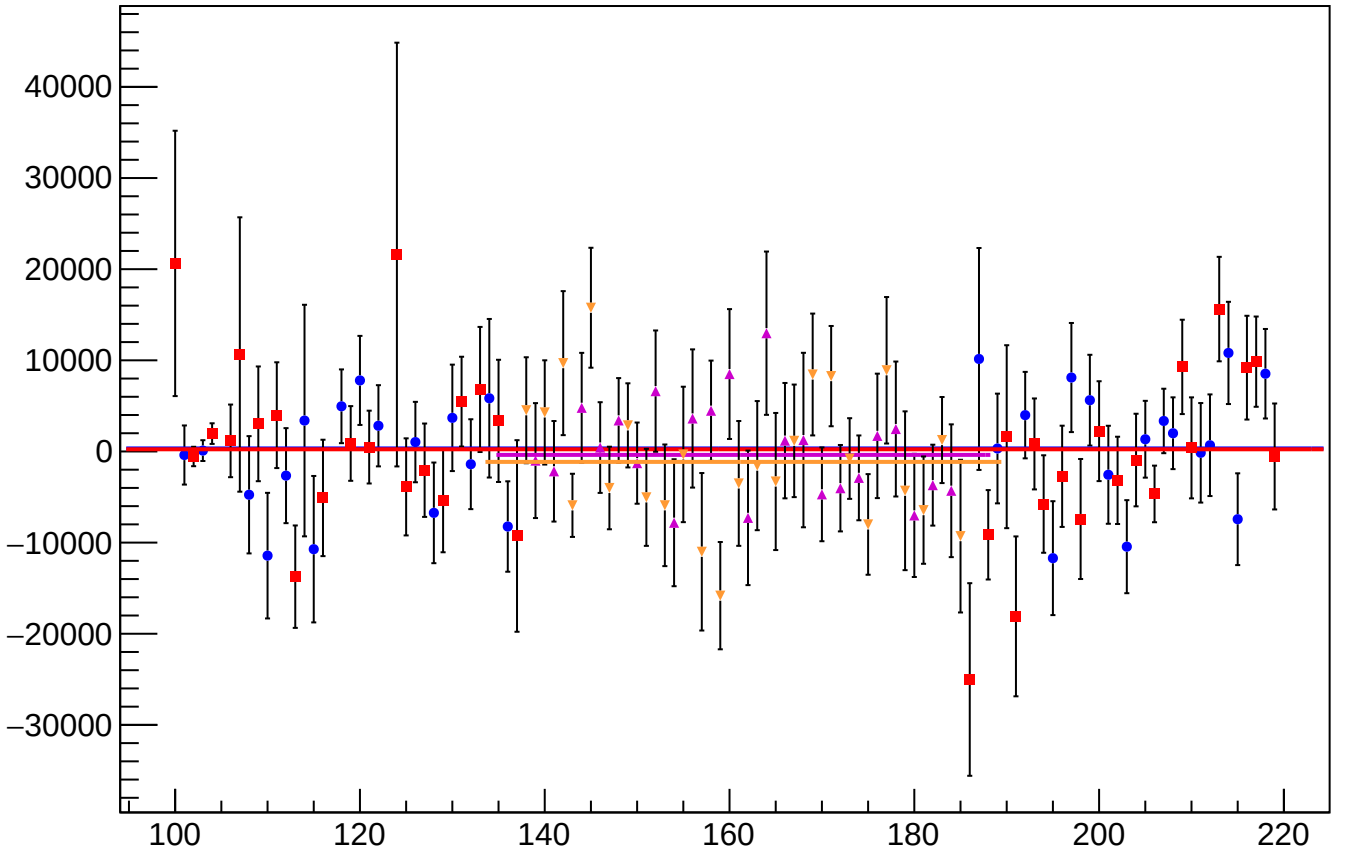
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1678.628+/-0.185 χ^2/NDF: 448435.6/67

In: 1722.059+/-0.197 χ^2/NDF:346657.9/54

Out: 1737.324+/-0.195 χ^2/NDF:463915.2/59

All: 1729.743+/-0.139 χ^2/NDF: 813605.5/114



Right In: 330.350+/-715.542 χ^2/NDF: 37.5/31

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: 238.283+/-598.365 χ^2/NDF: 55.0/36

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

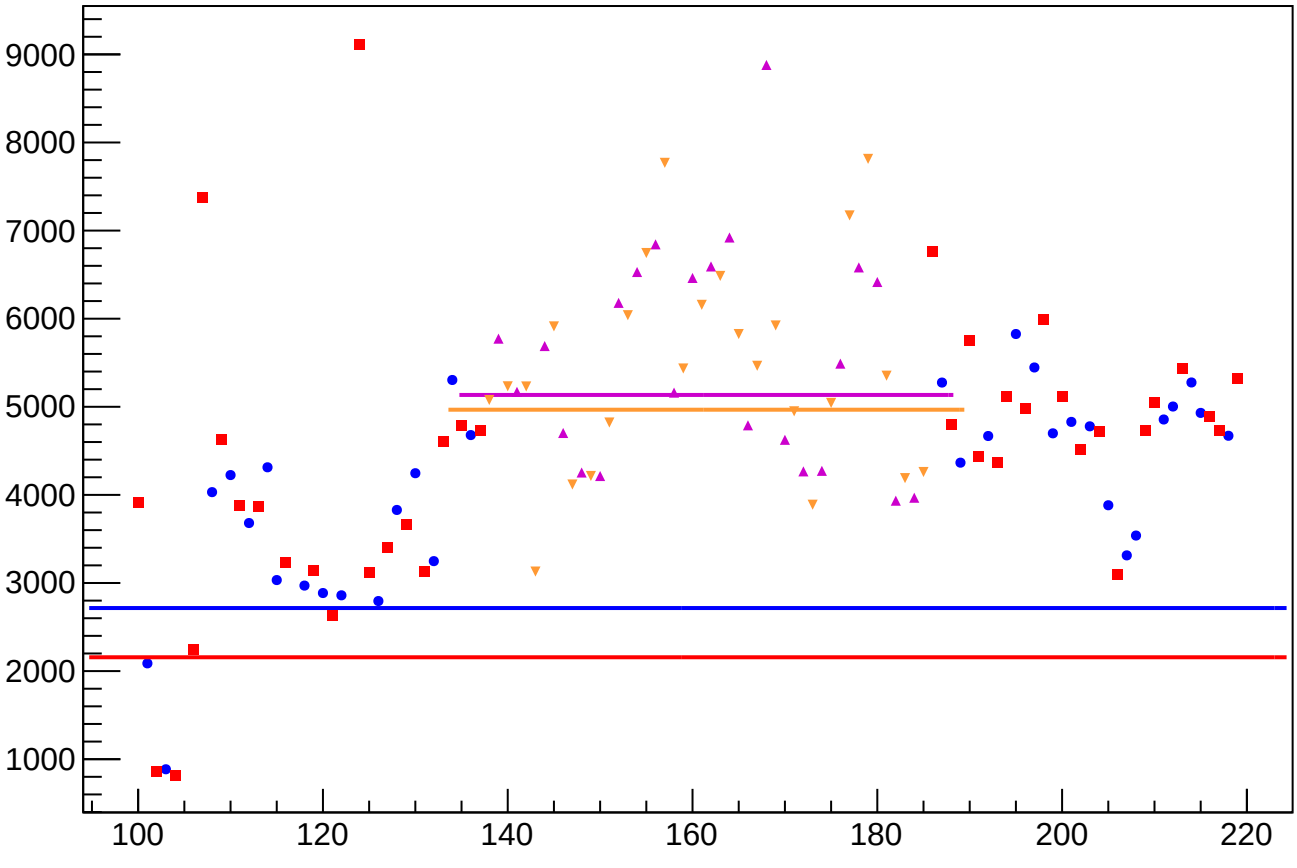
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

Right: 276.171+/-459.020 χ^2/NDF: 92.5/68

In: 151.737+/-618.333 χ^2/NDF:51.0/54

Out: -50.549+/-532.212 χ^2/NDF:88.6/61

All: 35.537+/-403.371 χ^2/NDF: 139.7/116



Right In: 2715.672+/-0.506 χ^2/NDF: 10750205.2/31

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 2156.923+/-0.423 χ^2/NDF: 16820162.9/36

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

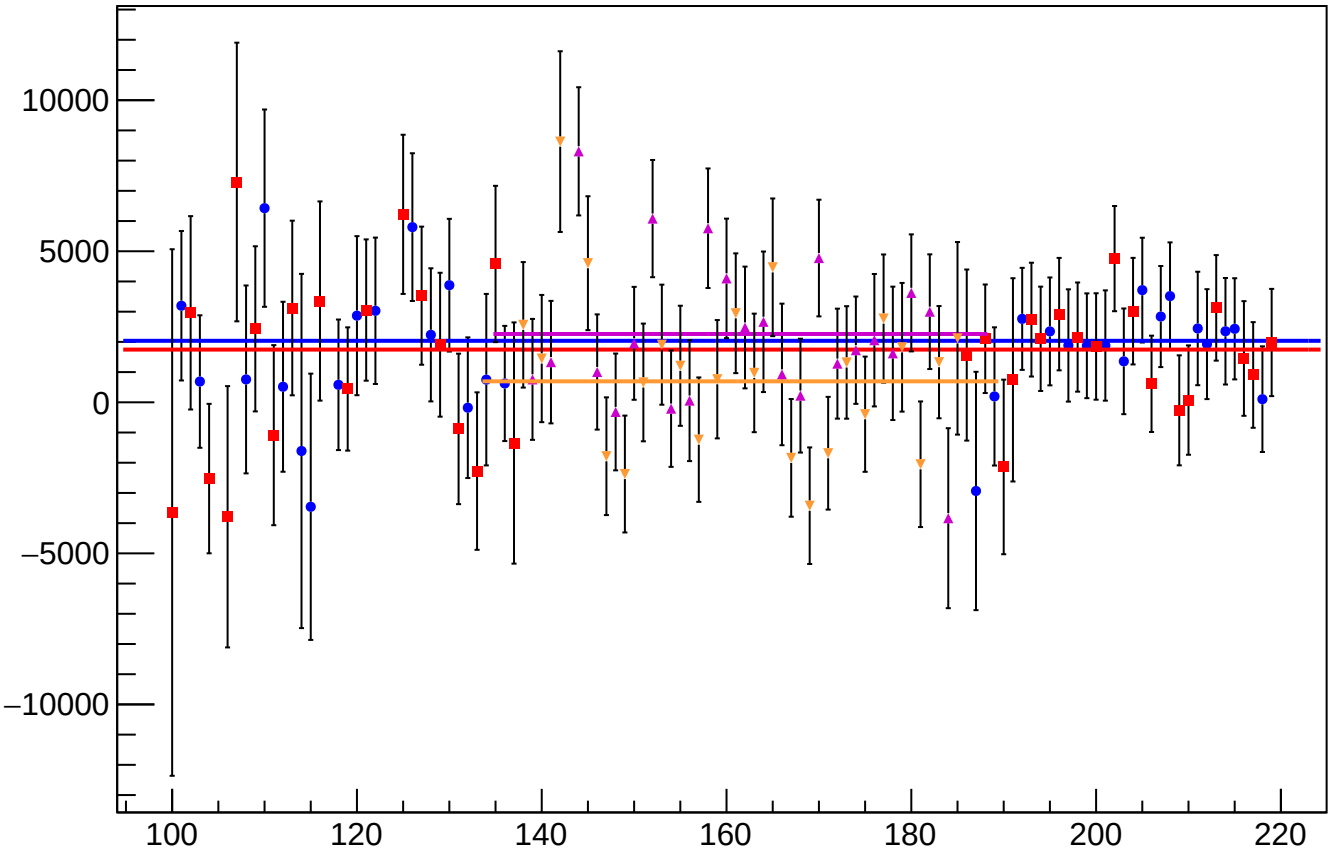
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 2386.860+/-0.325 χ^2/NDF: 28288036.3/68

In: 3328.232+/-0.437 χ^2/NDF:18024938.8/54

Out: 2743.899+/-0.376 χ^2/NDF:27951442.7/61

All: 2992.570+/-0.285 χ^2/NDF: 47002379.8/



Right In: 2035.667+/-371.782 χ^2/NDF: 16.1/31

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 1744.901+/-368.411 χ^2/NDF: 27.2/35

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

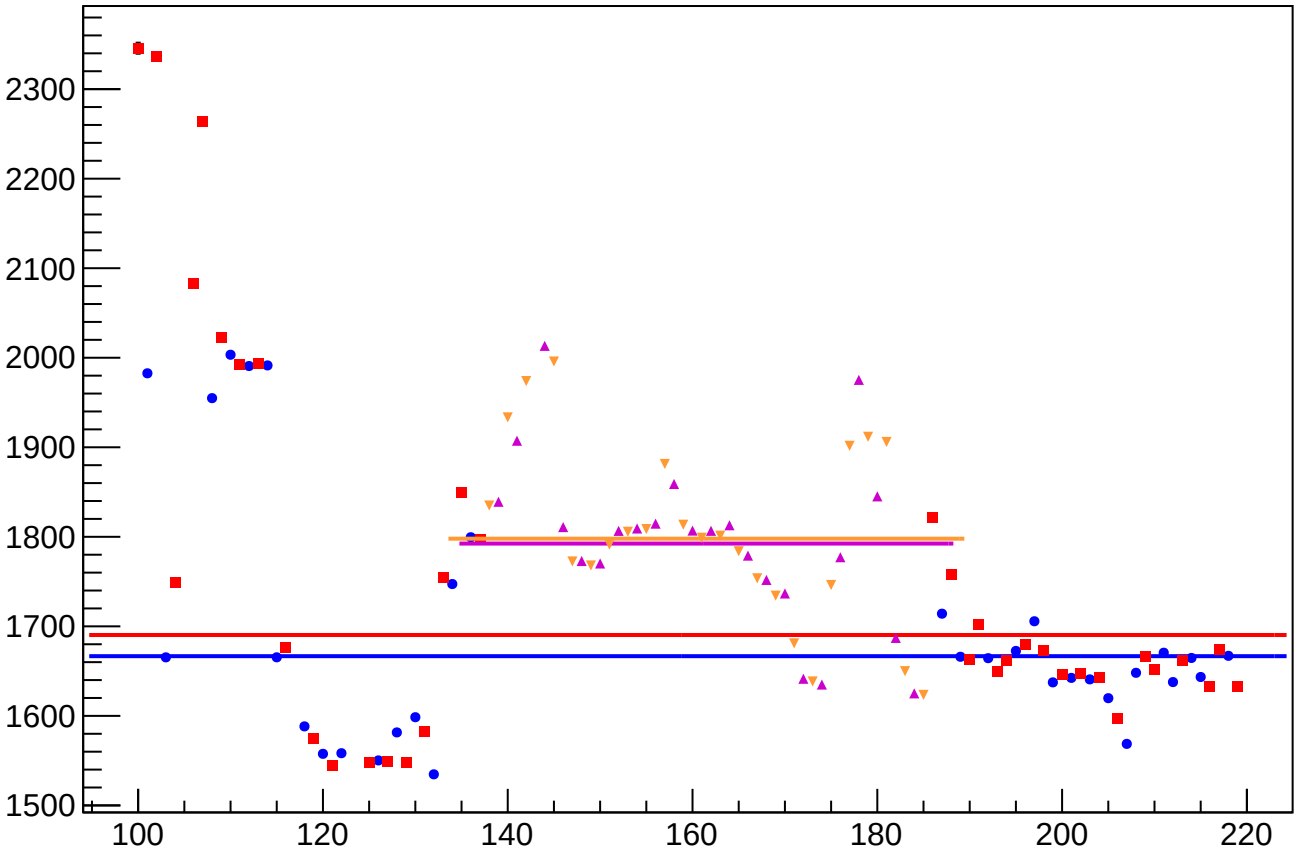
Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

Right: 1888.960+/-261.690 χ^2/NDF: 43.7/67

In: 2135.217+/-278.143 χ^2/NDF:46.7/54

Out: 1285.655+/-276.399 χ^2/NDF:63.0/59

All: 1707.763+/-196.057 χ^2/NDF: 114.4/114



Right In: 1666.685+/-0.263 χ^2/NDF: 153016.1/31

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1690.339+/-0.260 χ^2/NDF: 291331.4/35

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

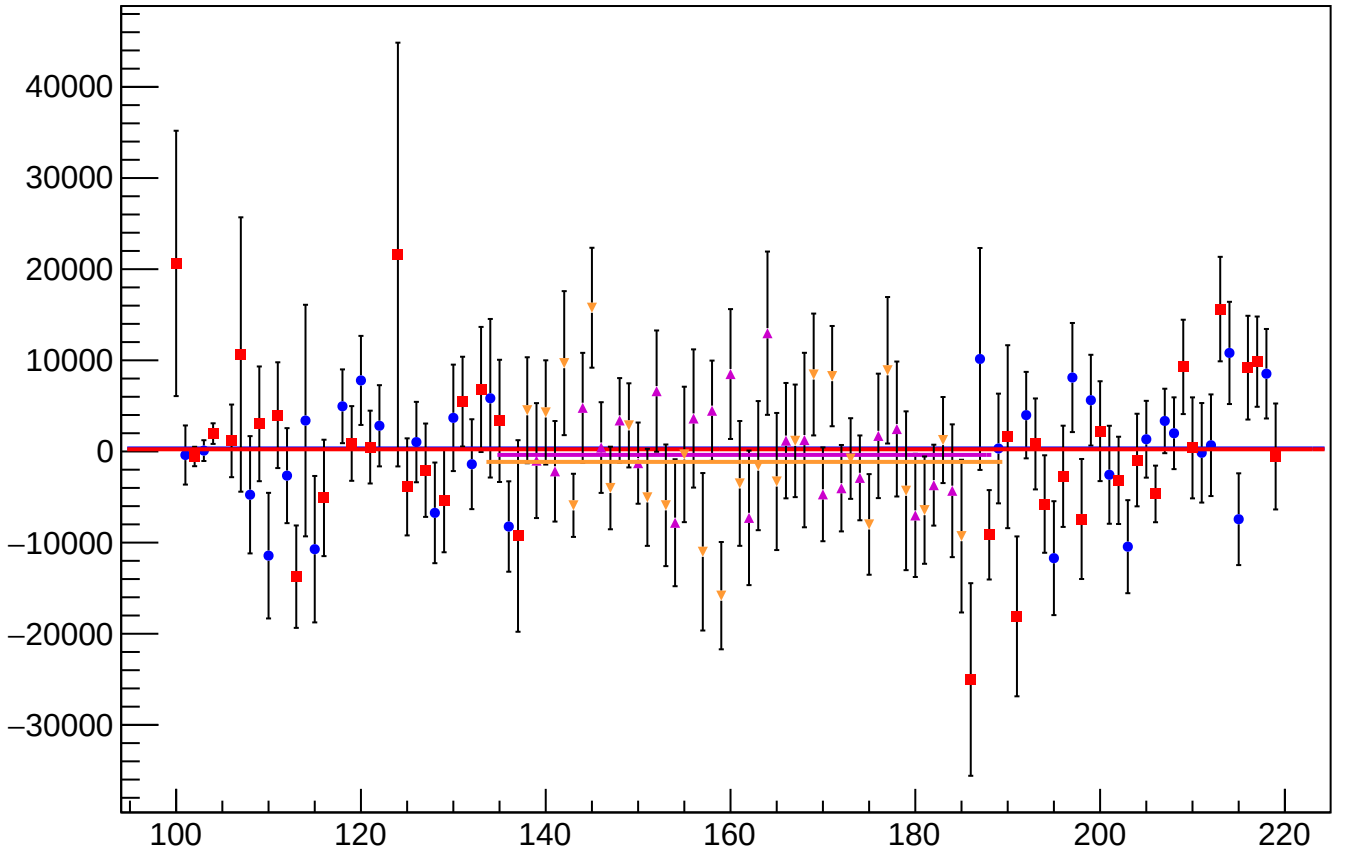
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

Right: 1678.628+/-0.185 χ^2/NDF: 448435.2/67

In: 1722.059+/-0.197 χ^2/NDF:346663.5/54

Out: 1737.325+/-0.195 χ^2/NDF:463920.0/59

All: 1729.743+/-0.139 χ^2/NDF: 813615.9/114



Right In: 330.349+/-715.540 χ^2/NDF: 37.5/31

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: 238.286+/-598.362 χ^2/NDF: 55.0/36

Left In: -374.928+/-1228.701 χ^2/NDF:13.3/22

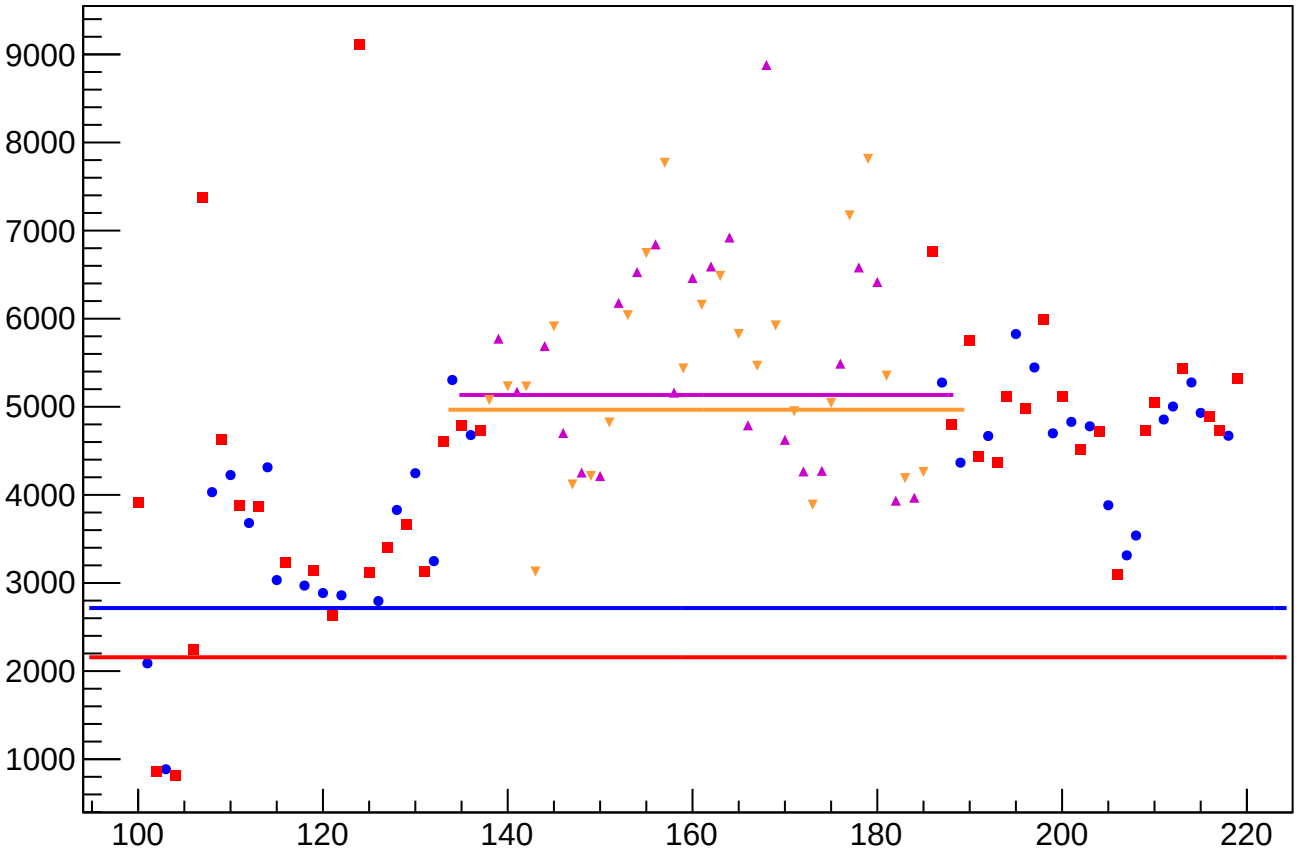
Left: -780.311+/-845.196 χ^2/NDF: 46.0/47

Right: 276.172+/-459.018 χ^2/NDF: 92.5/68

In: 151.737+/-618.331 χ^2/NDF:51.0/54

Out: -50.545+/-532.210 χ^2/NDF:88.6/61

All: 35.539+/-403.370 χ^2/NDF: 139.7/116



Right In: 2715.655+/-0.506 χ^2/NDF: 10750365.4/31

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 2156.904+/-0.423 χ^2/NDF: 16820333.4/36

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

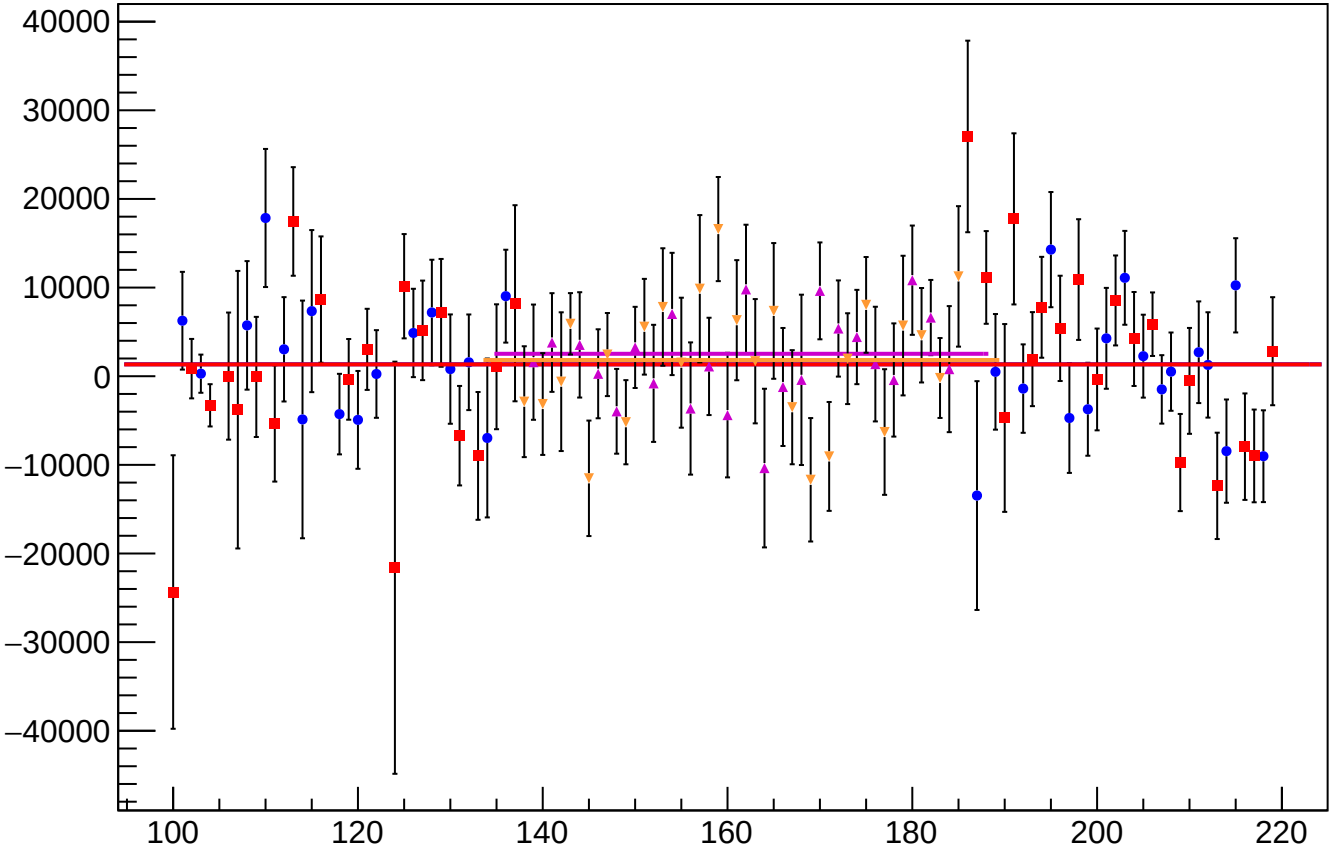
Right: 2386.842+/-0.325 χ^2/NDF: 28288376.6/68

In: 3328.216+/-0.437 χ^2/NDF:18025220.8/54

Out: 2743.879+/-0.376 χ^2/NDF:27951789.0/61

All: 2992.552+/-0.285 χ^2/NDF: 47003028.7/

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1346.173+/-921.357 χ^2/NDF: 35.4/31

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: 1331.849+/-915.616 χ^2/NDF: 61.0/36

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

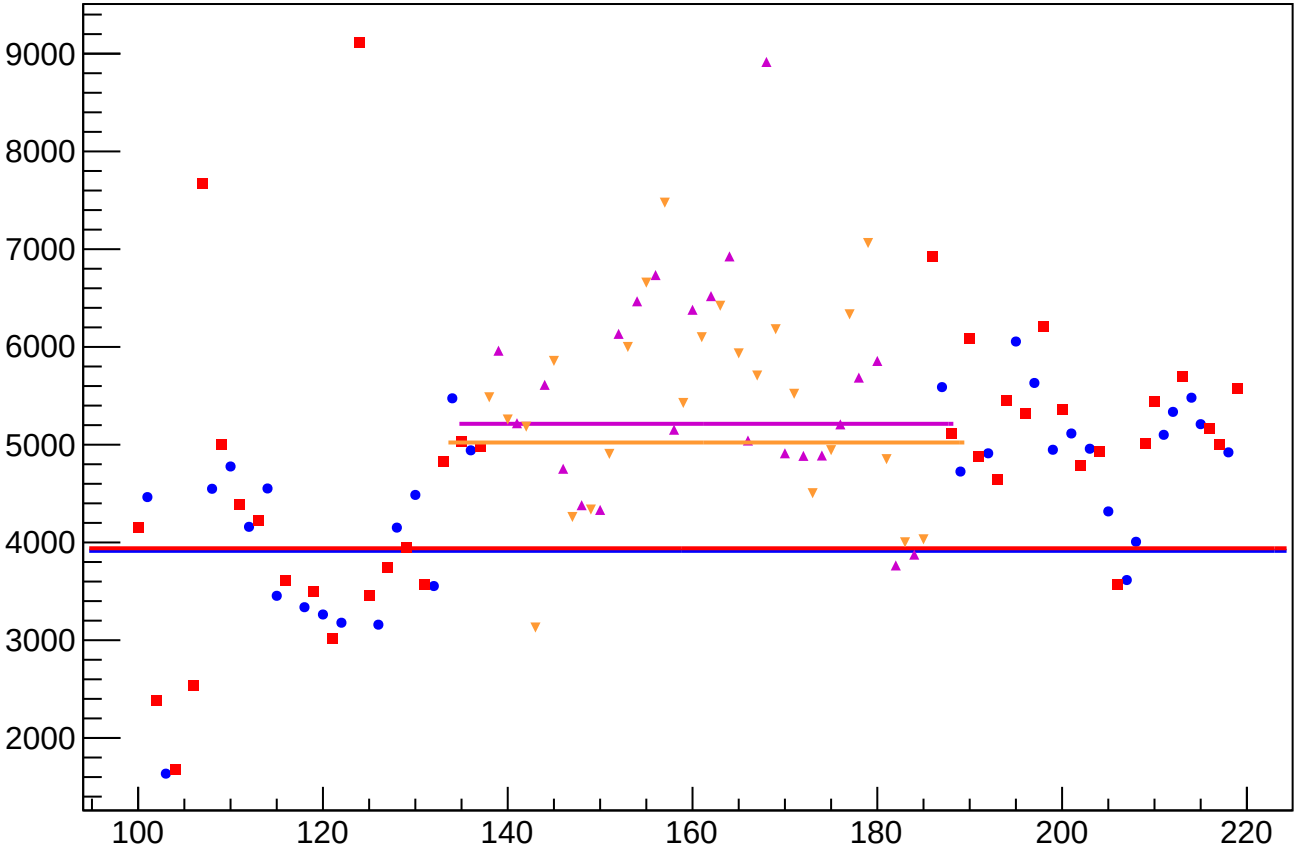
Right: 1338.966+/-649.458 χ^2/NDF: 96.4/68

In: 1766.202+/-739.984 χ^2/NDF:49.2/54

Out: 1519.120+/-721.642 χ^2/NDF:92.2/61

All: 1639.561+/-516.641 χ^2/NDF: 141.5/116

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3914.214+/-0.651 χ^2/NDF: 3958201.7/31

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3940.359+/-0.642 χ^2/NDF: 4714306.6/36

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

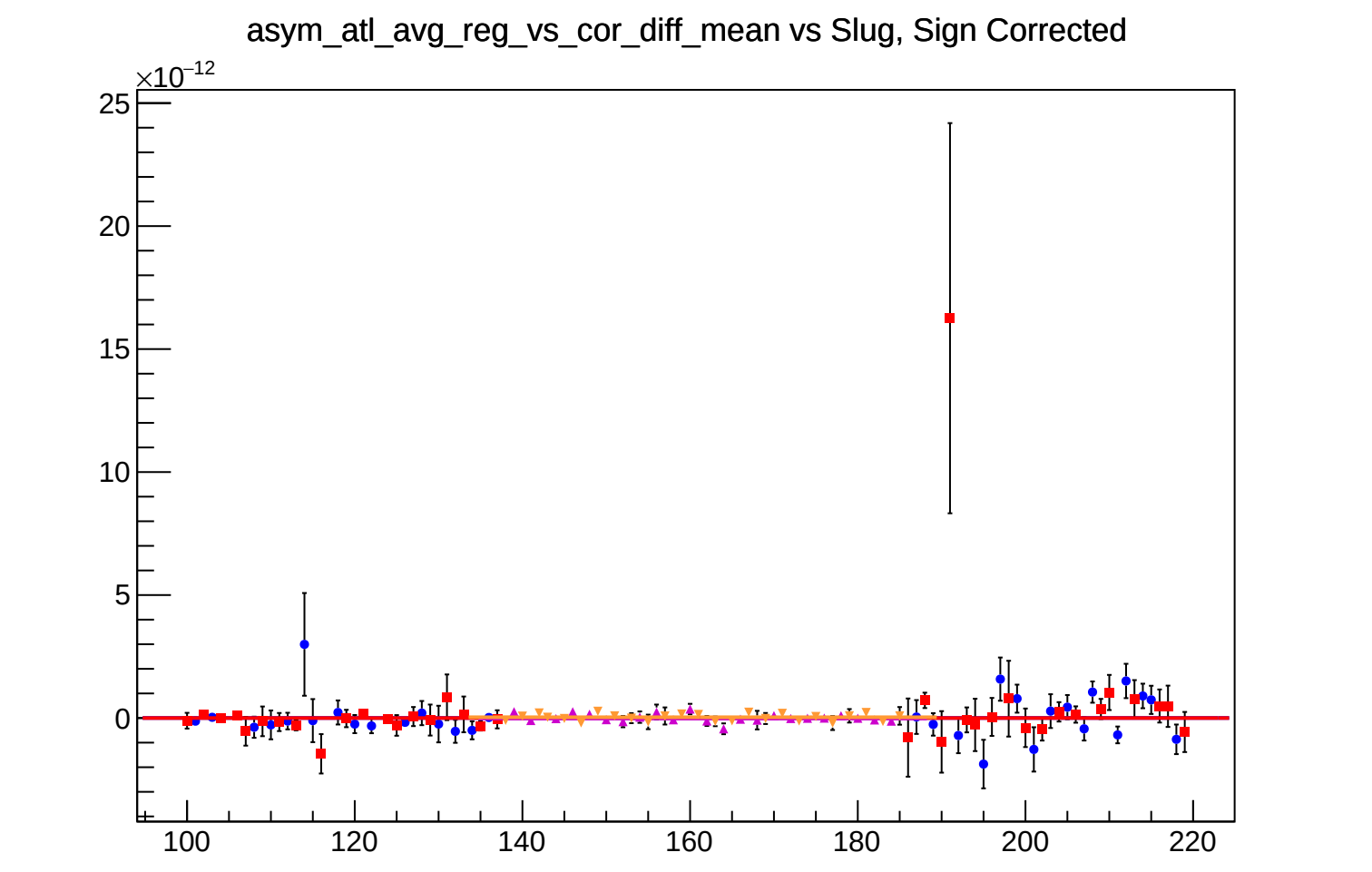
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

Right: 3927.481+/-0.457 χ^2/NDF: 8673325.5/68

In: 4375.447+/-0.523 χ^2/NDF:6593417.4/54

Out: 4345.890+/-0.508 χ^2/NDF:7455909.4/61

All: 4360.218+/-0.364 χ^2/NDF: 14050970.8/1



Right In: 0.000+/-0.000 χ^2/NDF: 46.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.9/36

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

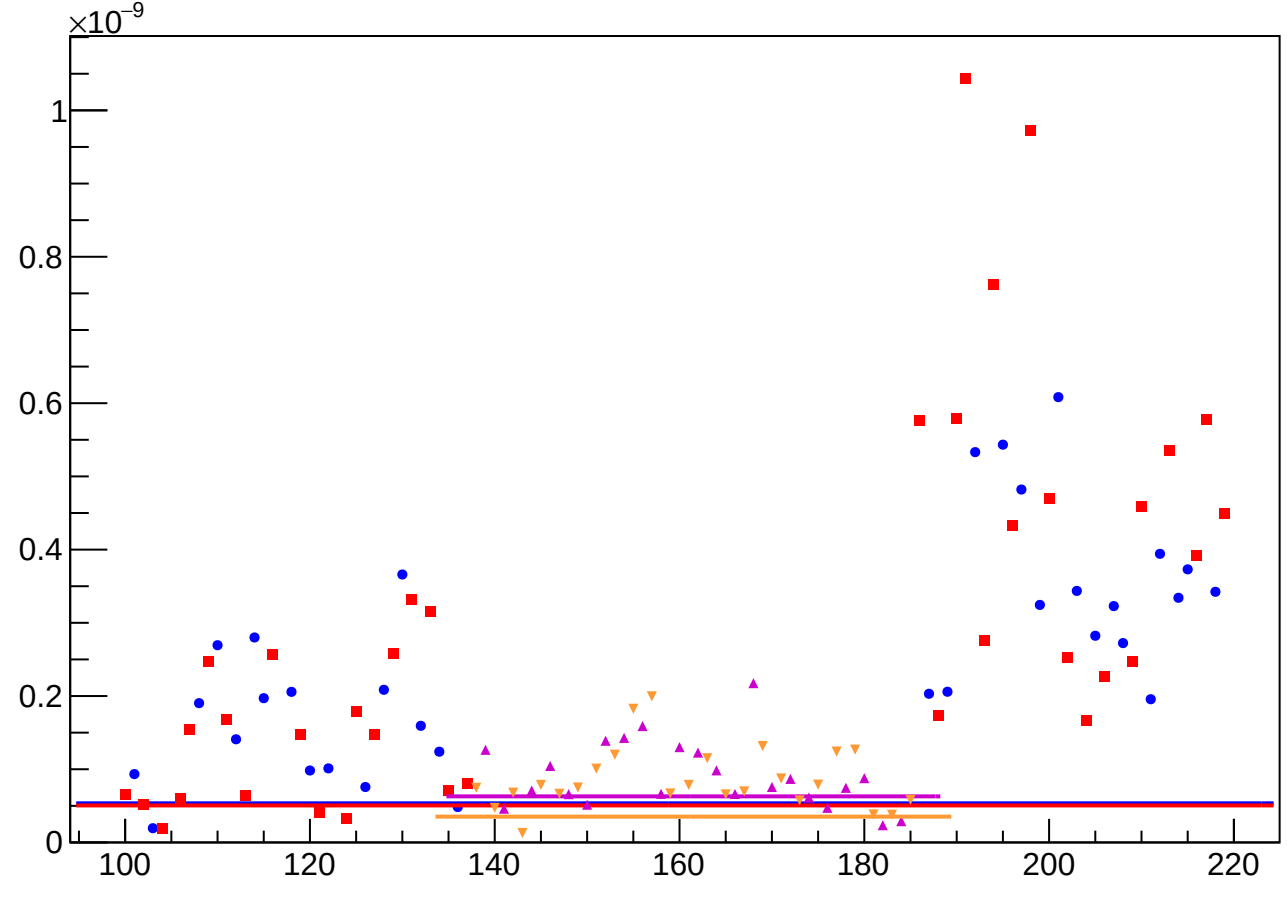
Left: 0.000+/-0.000 χ^2/NDF: 46.3/47

Right: 0.000+/-0.000 χ^2/NDF: 79.1/68

In: -0.000+/-0.000 χ^2/NDF:65.5/54

Out: 0.000+/-0.000 χ^2/NDF:58.6/61

All: 0.000+/-0.000 χ^2/NDF: 125.7/116



Right In: 0.000+/-0.000 χ^2/NDF: 11161939.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11846643.7/36

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

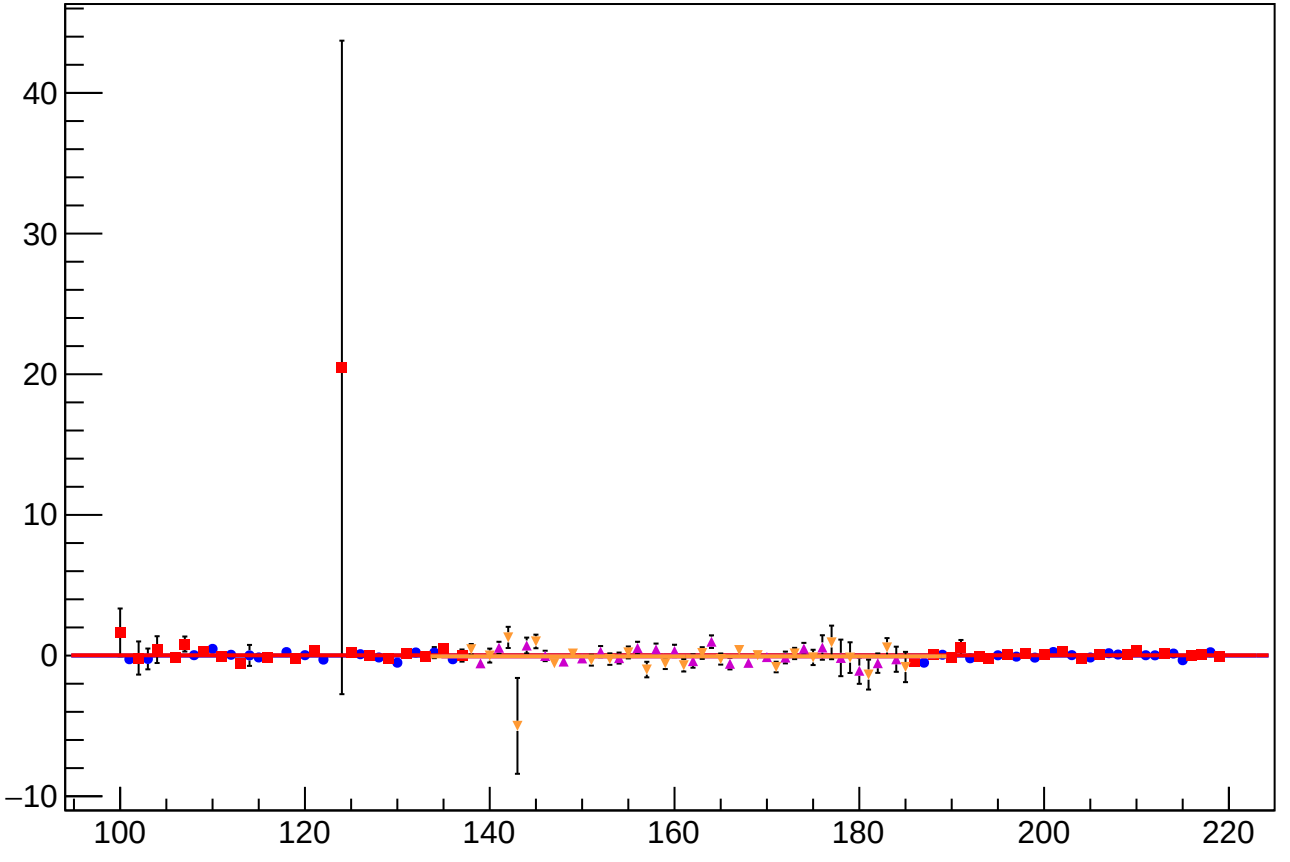
Right: 0.000+/-0.000 χ^2/NDF: 23016440.5/68

In: 0.000+/-0.000 χ^2/NDF:14194420.6/54

Out: 0.000+/-0.000 χ^2/NDF:18707291.4/61

All: 0.000+/-0.000 χ^2/NDF: 34034702.1/116

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.032 χ^2/NDF: 39.3/31

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.021+/-0.030 χ^2/NDF: 37.4/36

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

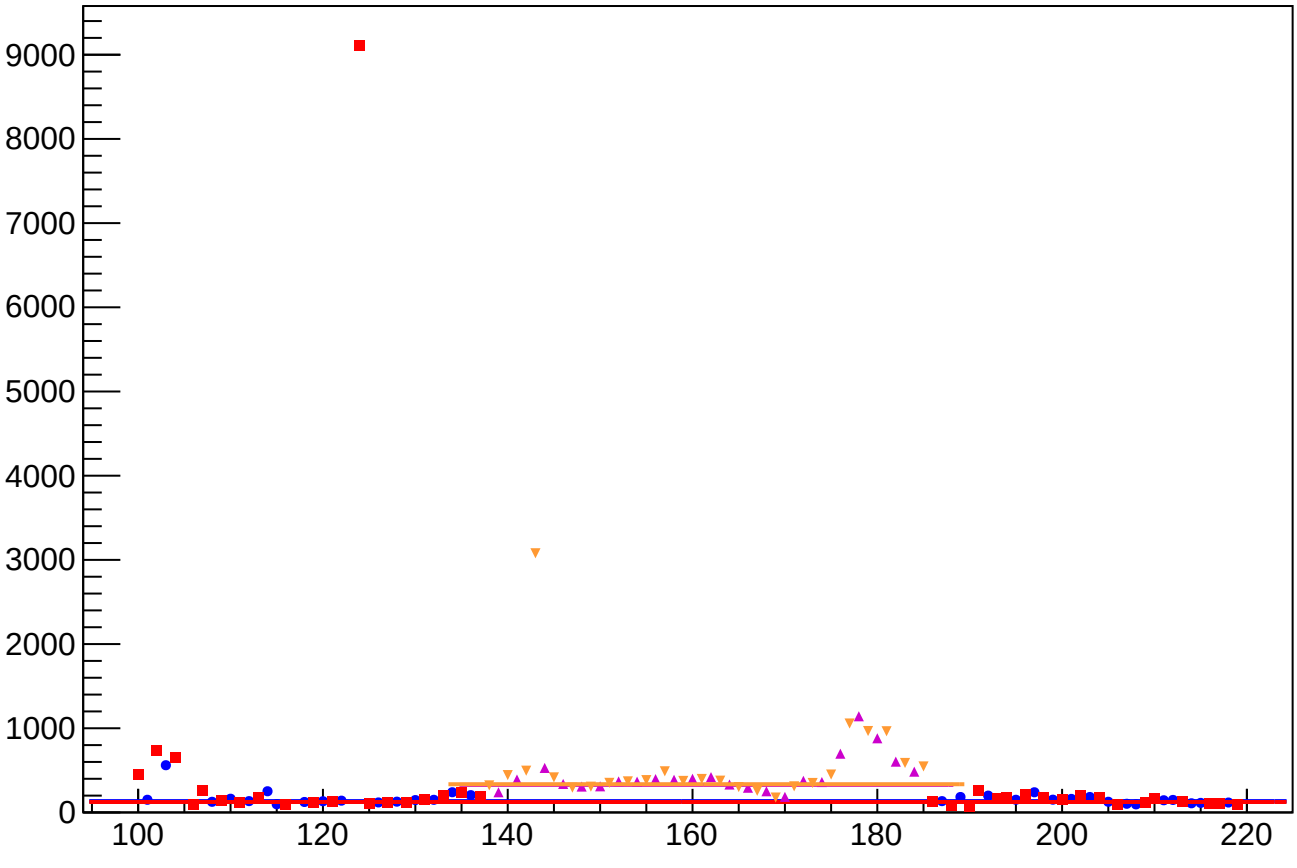
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: 0.011+/-0.022 χ^2/NDF: 77.0/68

In: -0.009+/-0.030 χ^2/NDF:67.8/54

Out: 0.013+/-0.028 χ^2/NDF:71.2/61

All: 0.003+/-0.021 χ^2/NDF: 139.4/116



Right In: 134.791+/-0.023 χ^2/NDF: 2522849.4/31

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 124.302+/-0.021 χ^2/NDF: 4536761.6/36

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

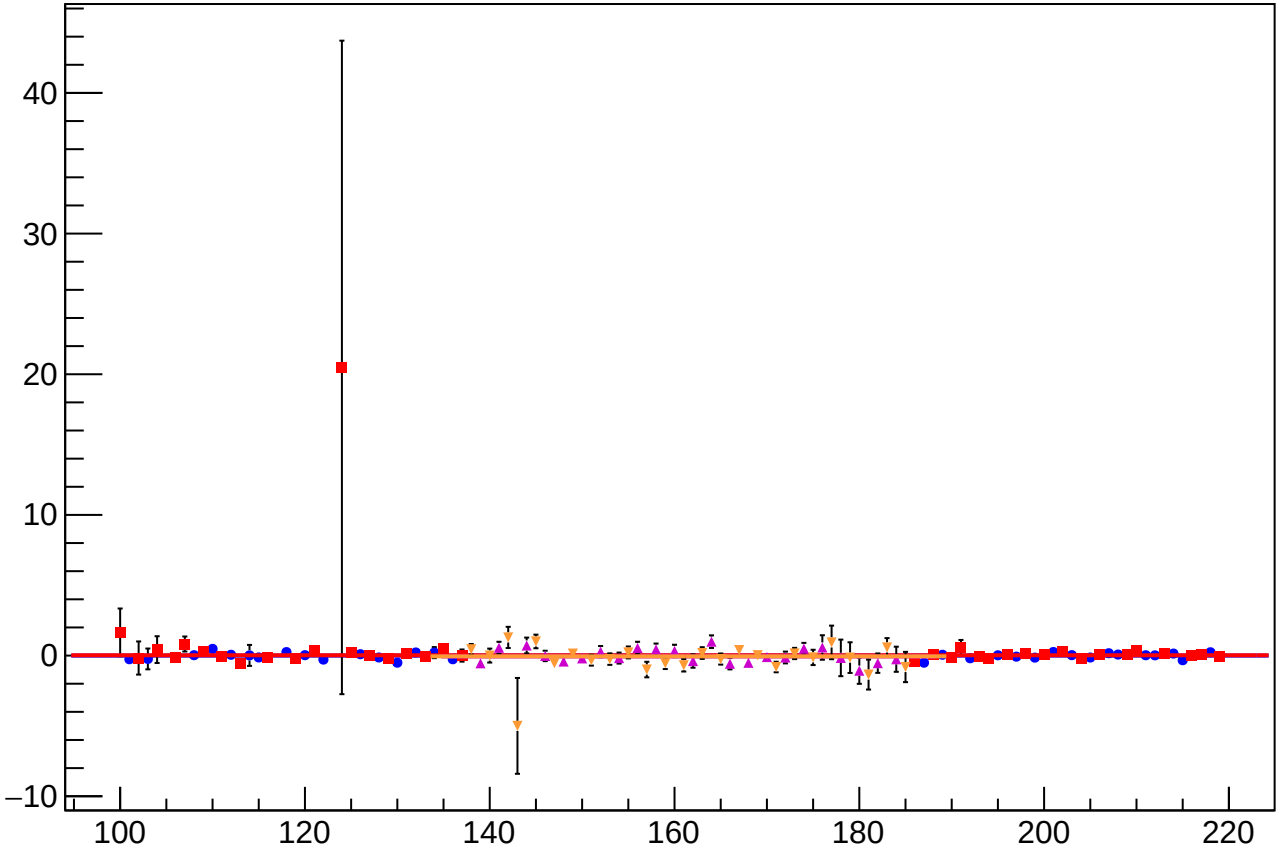
Right: 129.147+/-0.016 χ^2/NDF: 7172331.0/68

In: 160.434+/-0.021 χ^2/NDF:16089384.9/54

Out: 147.890+/-0.020 χ^2/NDF:21421296.1/61

All: 153.759+/-0.015 χ^2/NDF: 37694568.5/11

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.032 χ^2/NDF: 39.3/31

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.021+/-0.030 χ^2/NDF: 37.4/36

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

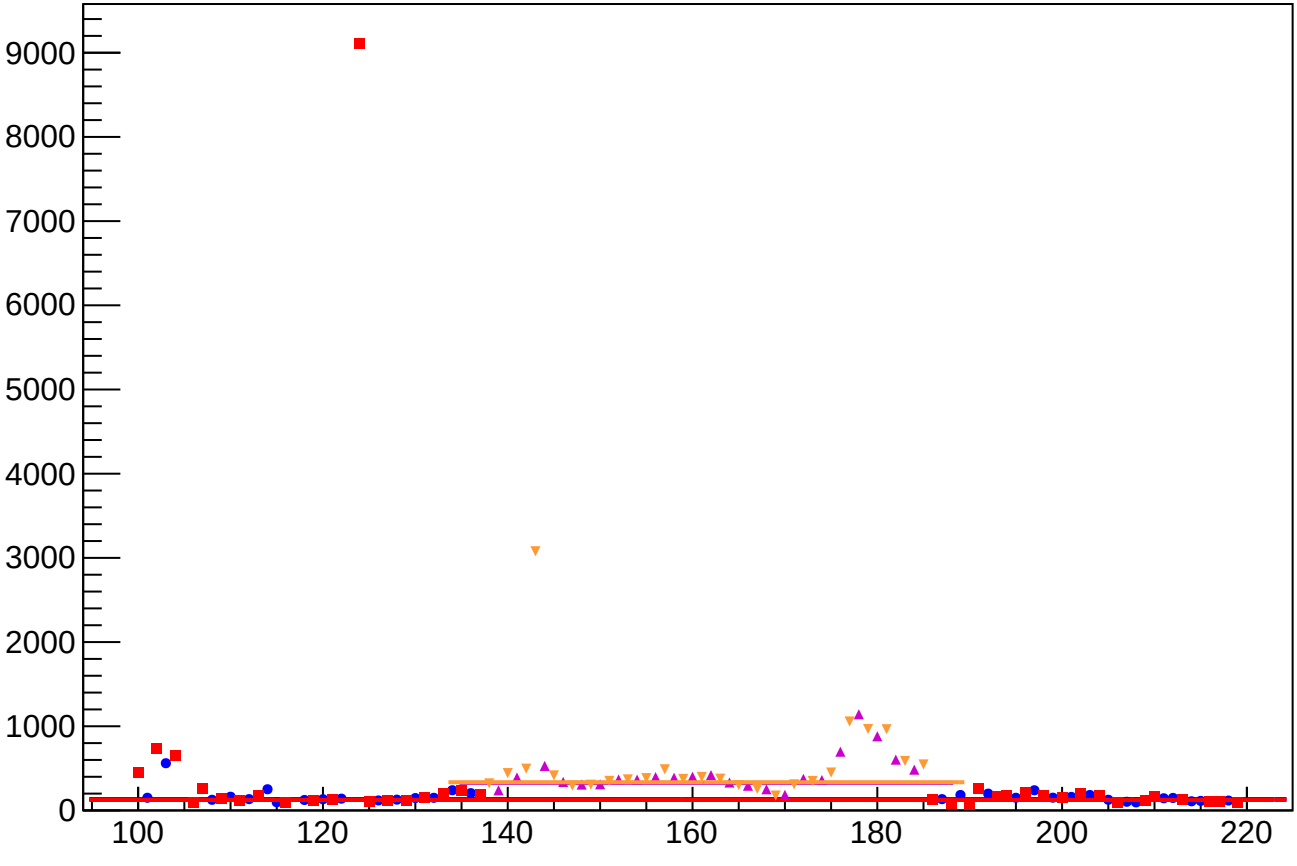
Right: 0.011+/-0.022 χ^2/NDF: 77.0/68

In: -0.009+/-0.030 χ^2/NDF:67.8/54

Out: 0.013+/-0.028 χ^2/NDF:71.2/61

All: 0.003+/-0.021 χ^2/NDF: 139.4/116

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 134.791+/-0.023 χ^2/NDF: 2522849.4/31

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 124.302+/-0.021 χ^2/NDF: 4536761.6/36

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

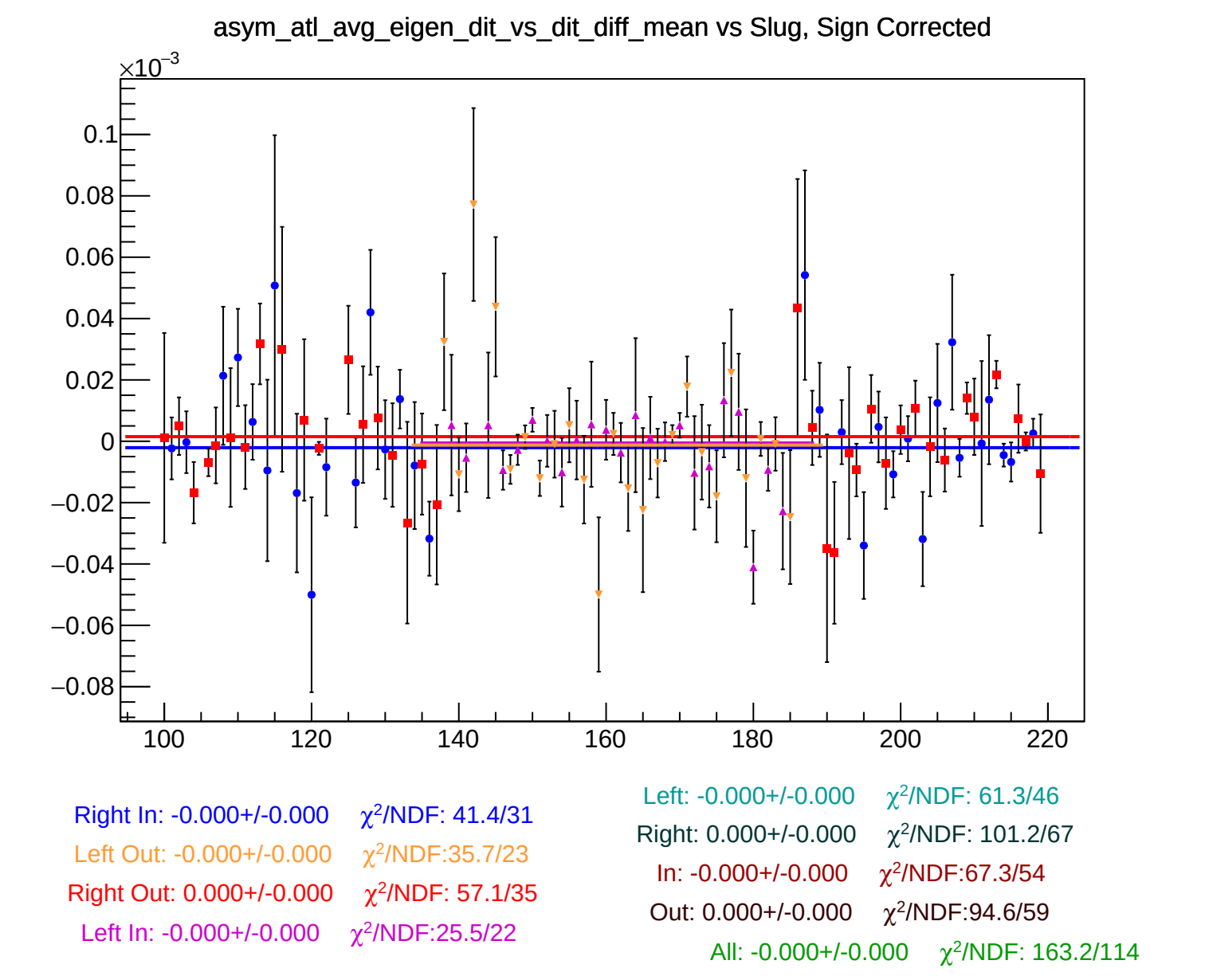
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

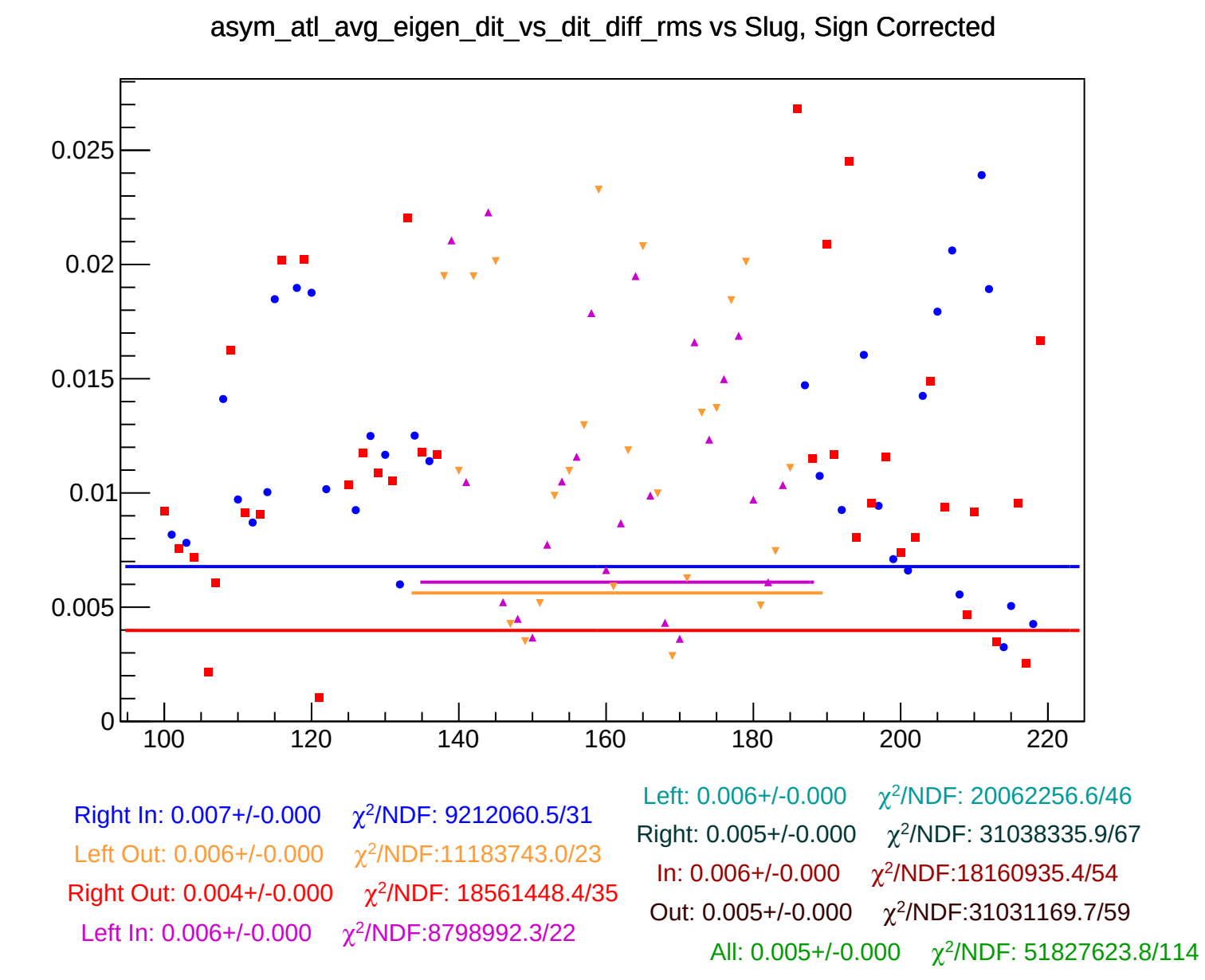
Right: 129.147+/-0.016 χ^2/NDF: 7172331.0/68

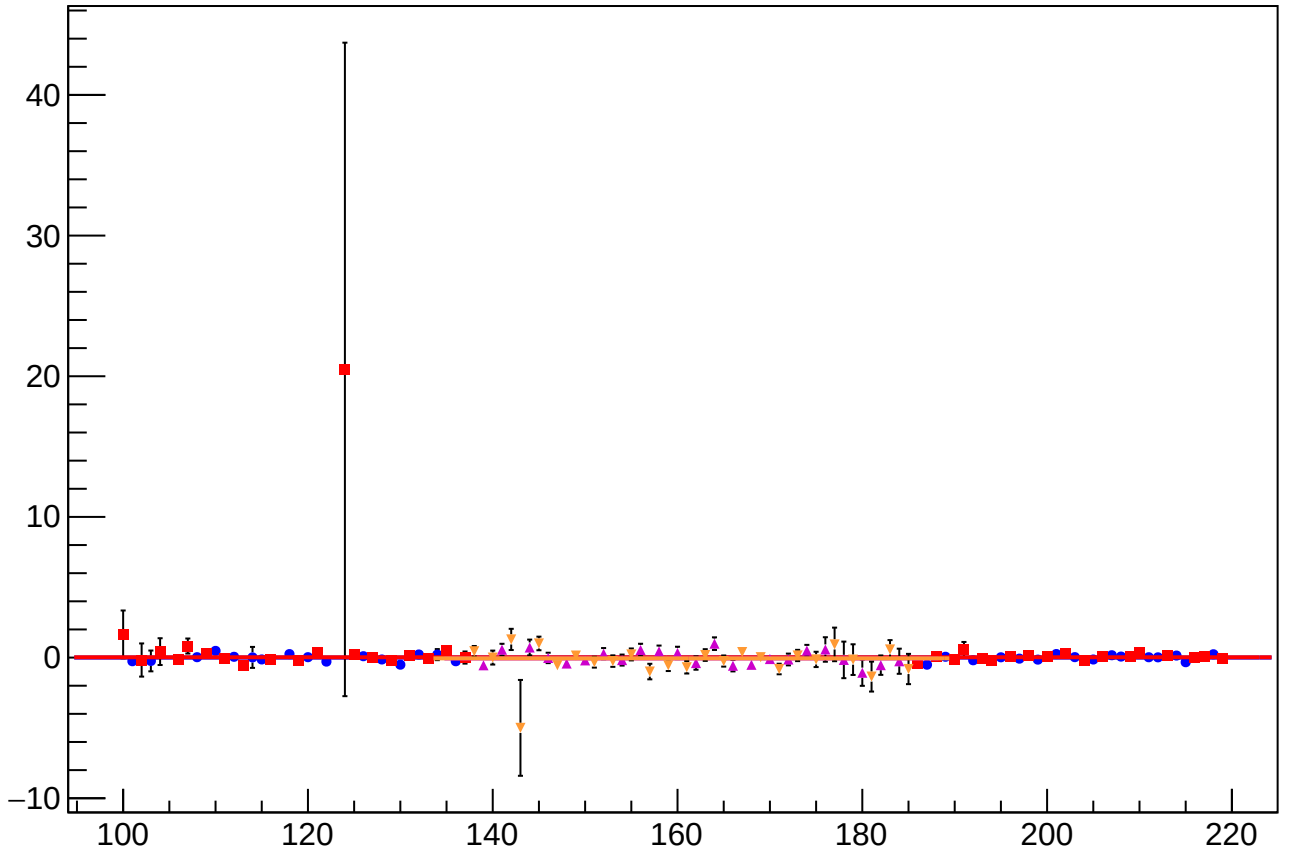
In: 160.434+/-0.021 χ^2/NDF:16089384.9/54

Out: 147.890+/-0.020 χ^2/NDF:21421296.1/61

All: 153.759+/-0.015 χ^2/NDF: 37694568.5/11


asym_atl_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: 41.4/31
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 57.1/35
Left In: -0.000+/-0.000 χ²/NDF:25.5/22
Left: -0.000+/-0.000 χ²/NDF: 61.3/46
Right: 0.000+/-0.000 χ²/NDF: 101.2/67
In: -0.000+/-0.000 χ²/NDF:67.3/54
Out: 0.000+/-0.000 χ²/NDF:94.6/59
All: -0.000+/-0.000 χ²/NDF: 163.2/114


asym_atl_avg_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: 0.007+/-0.000 χ²/NDF: 9212060.5/31
Left Out: 0.006+/-0.000 χ²/NDF:11183743.0/23
Right Out: 0.004+/-0.000 χ²/NDF: 18561448.4/35
Left In: 0.006+/-0.000 χ²/NDF:8798992.3/22
Left: 0.006+/-0.000 χ²/NDF: 20062256.6/46
Right: 0.005+/-0.000 χ²/NDF: 31038335.9/67
In: 0.006+/-0.000 χ²/NDF:18160935.4/54
Out: 0.005+/-0.000 χ²/NDF:31031169.7/59
All: 0.005+/-0.000 χ²/NDF: 51827623.8/114



Right In: -0.001+/-0.032 χ^2/NDF: 39.3/31

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.021+/-0.030 χ^2/NDF: 37.4/36

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

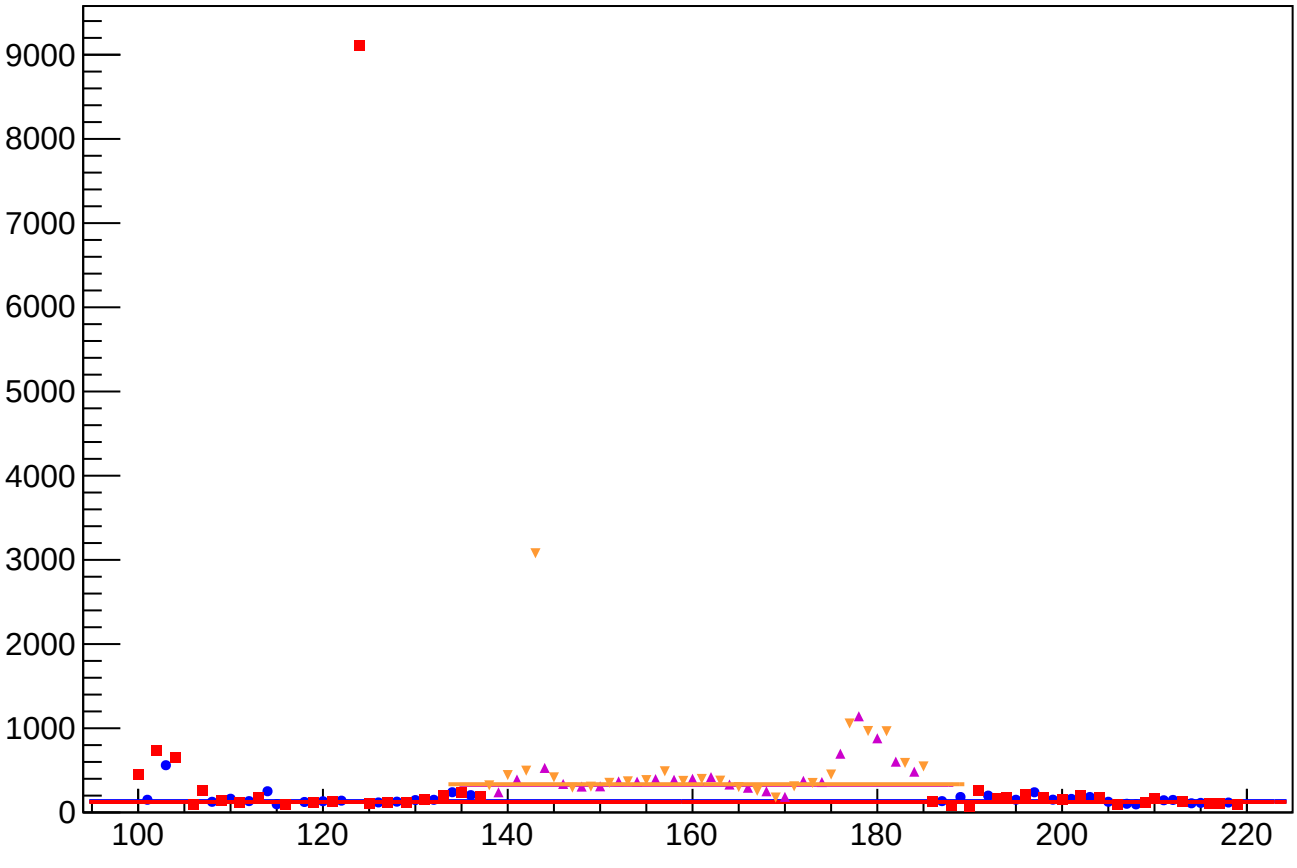
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: 0.011+/-0.022 χ^2/NDF: 77.0/68

In: -0.009+/-0.030 χ^2/NDF:67.8/54

Out: 0.013+/-0.028 χ^2/NDF:71.2/61

All: 0.003+/-0.021 χ^2/NDF: 139.4/116



Right In: 134.789+/-0.023 χ^2/NDF: 2523042.6/31

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 124.300+/-0.021 χ^2/NDF: 4536903.0/36

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

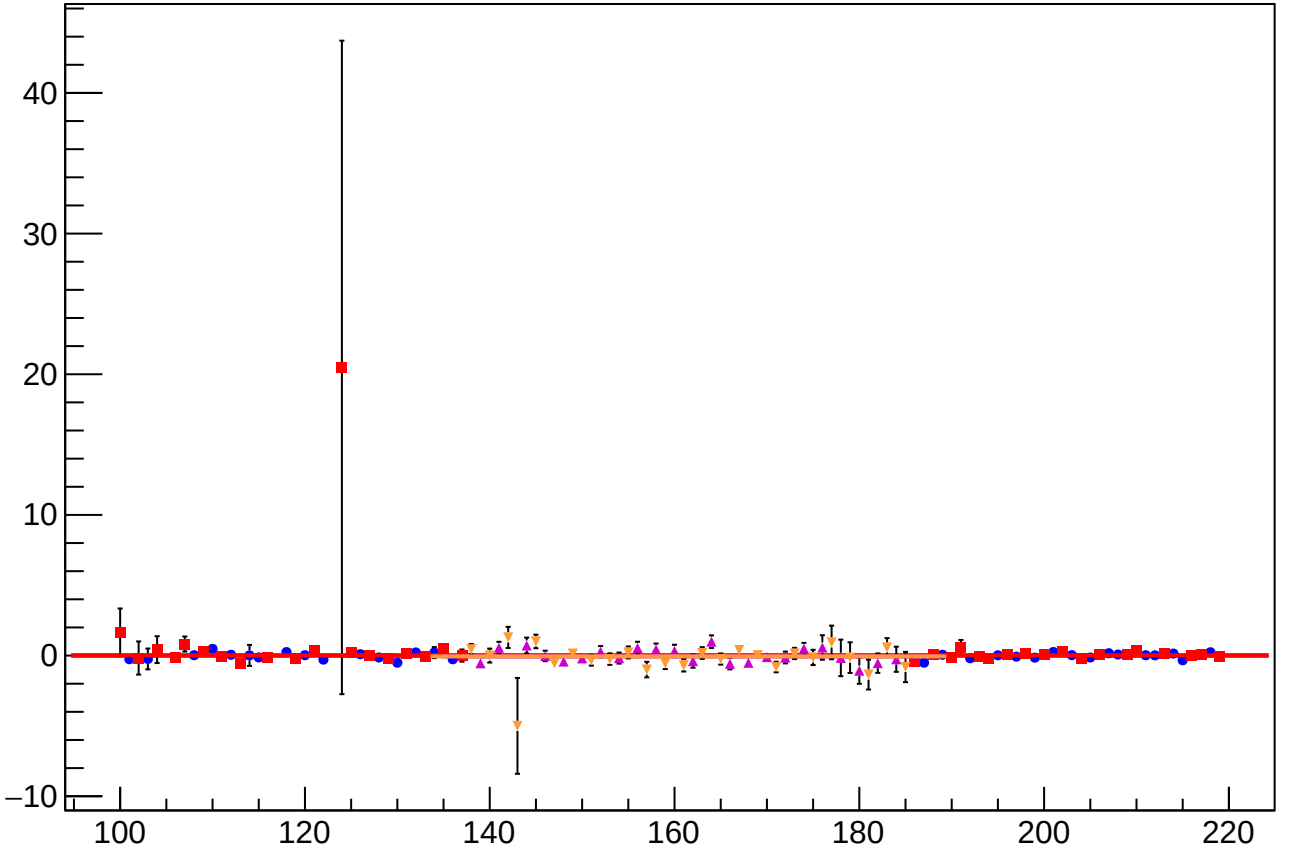
Right: 129.145+/-0.016 χ^2/NDF: 7172663.3/68

In: 160.431+/-0.021 χ^2/NDF:16089994.9/54

Out: 147.887+/-0.020 χ^2/NDF:21421851.8/61

All: 153.757+/-0.015 χ^2/NDF: 37695732.3/11

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.032 χ^2/NDF: 39.3/31

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.021+/-0.030 χ^2/NDF: 37.4/36

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

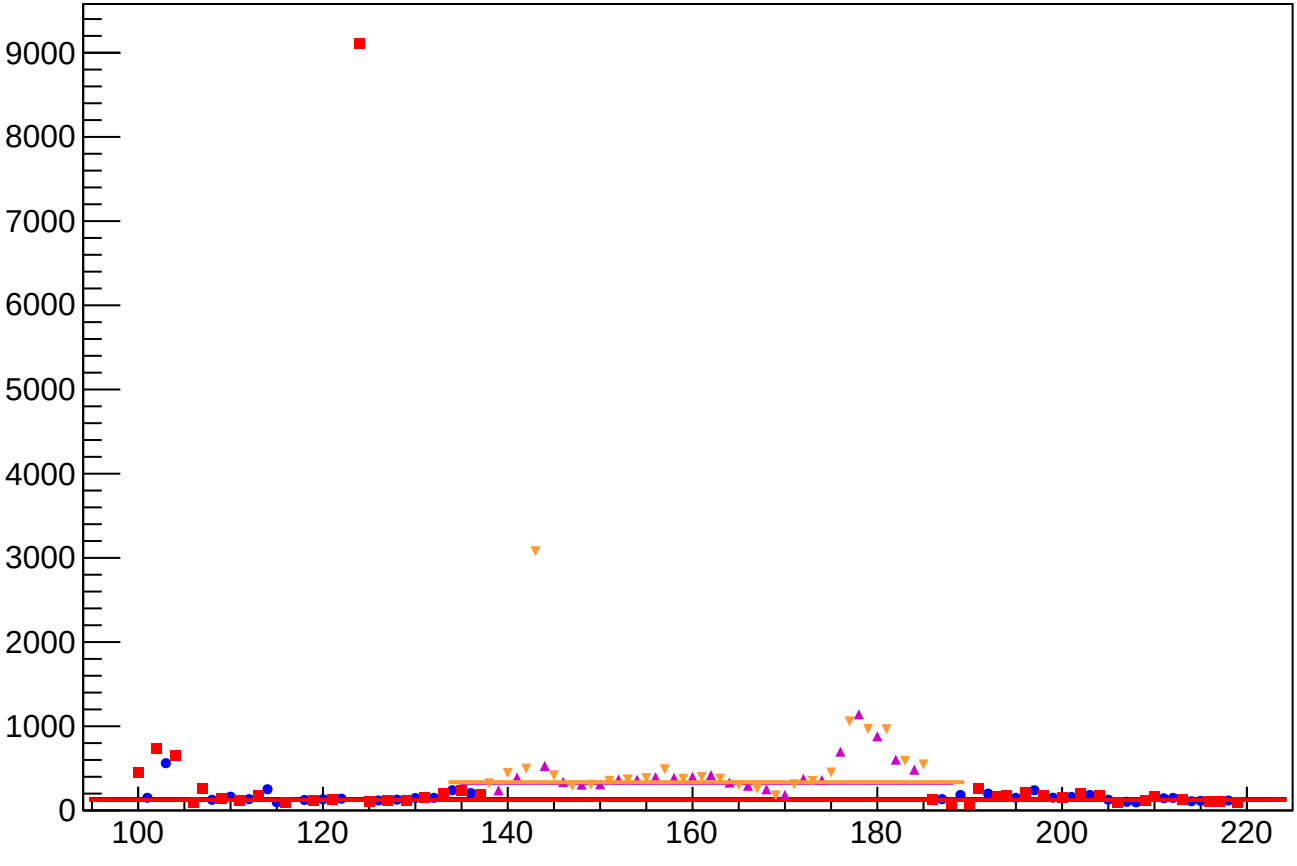
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: 0.011+/-0.022 χ^2/NDF: 77.0/68

In: -0.009+/-0.030 χ^2/NDF:67.8/54

Out: 0.013+/-0.028 χ^2/NDF:71.2/61

All: 0.003+/-0.021 χ^2/NDF: 139.4/116



Right In: 134.789+/-0.023 χ^2/NDF: 2523042.6/31

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 124.300+/-0.021 χ^2/NDF: 4536903.0/36

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

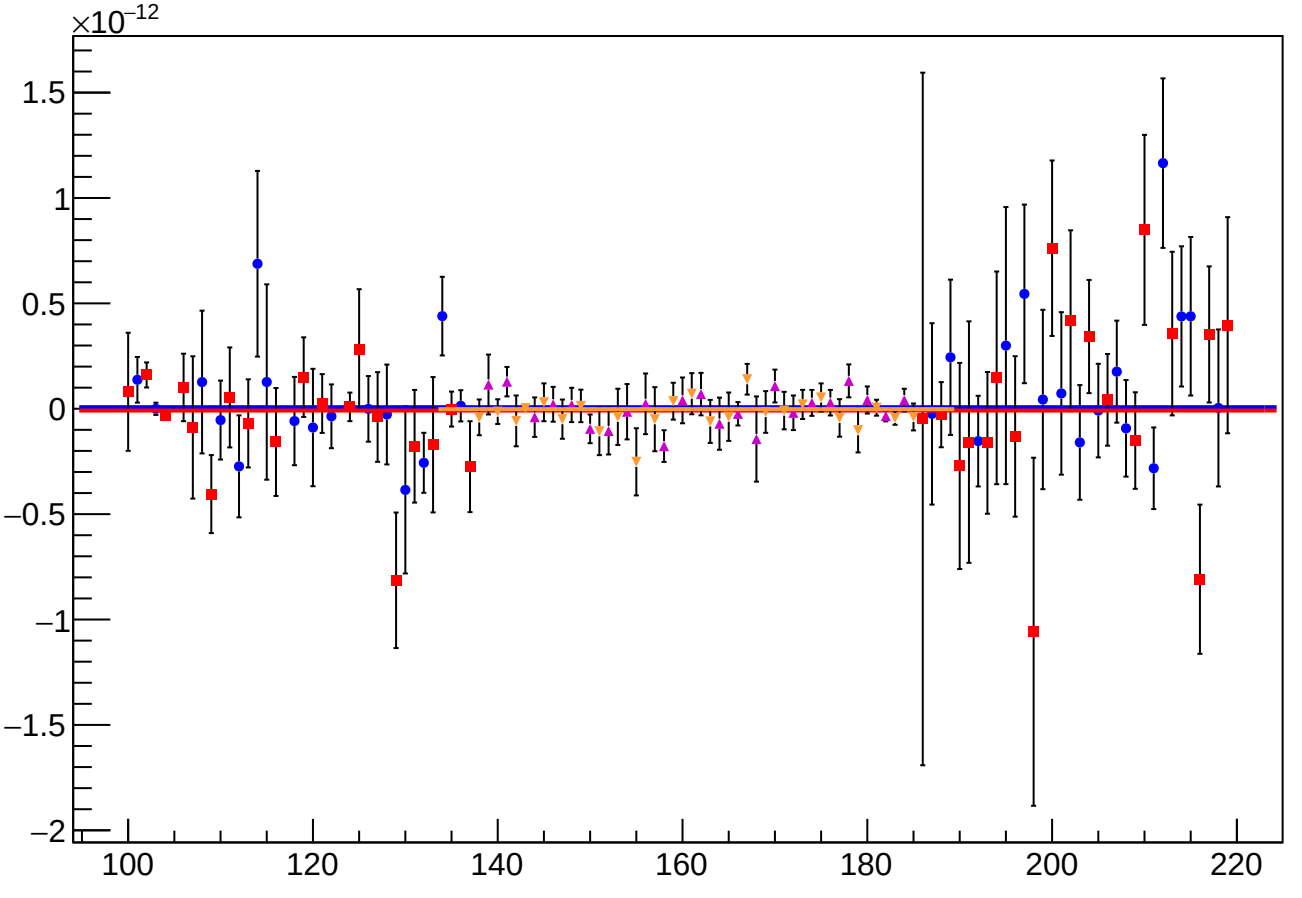
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 129.145+/-0.016 χ^2/NDF: 7172663.3/68

In: 160.431+/-0.021 χ^2/NDF:16089994.9/54

Out: 147.887+/-0.020 χ^2/NDF:21421851.8/61

All: 153.757+/-0.015 χ^2/NDF: 37695732.3/11



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/31

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.6/36

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

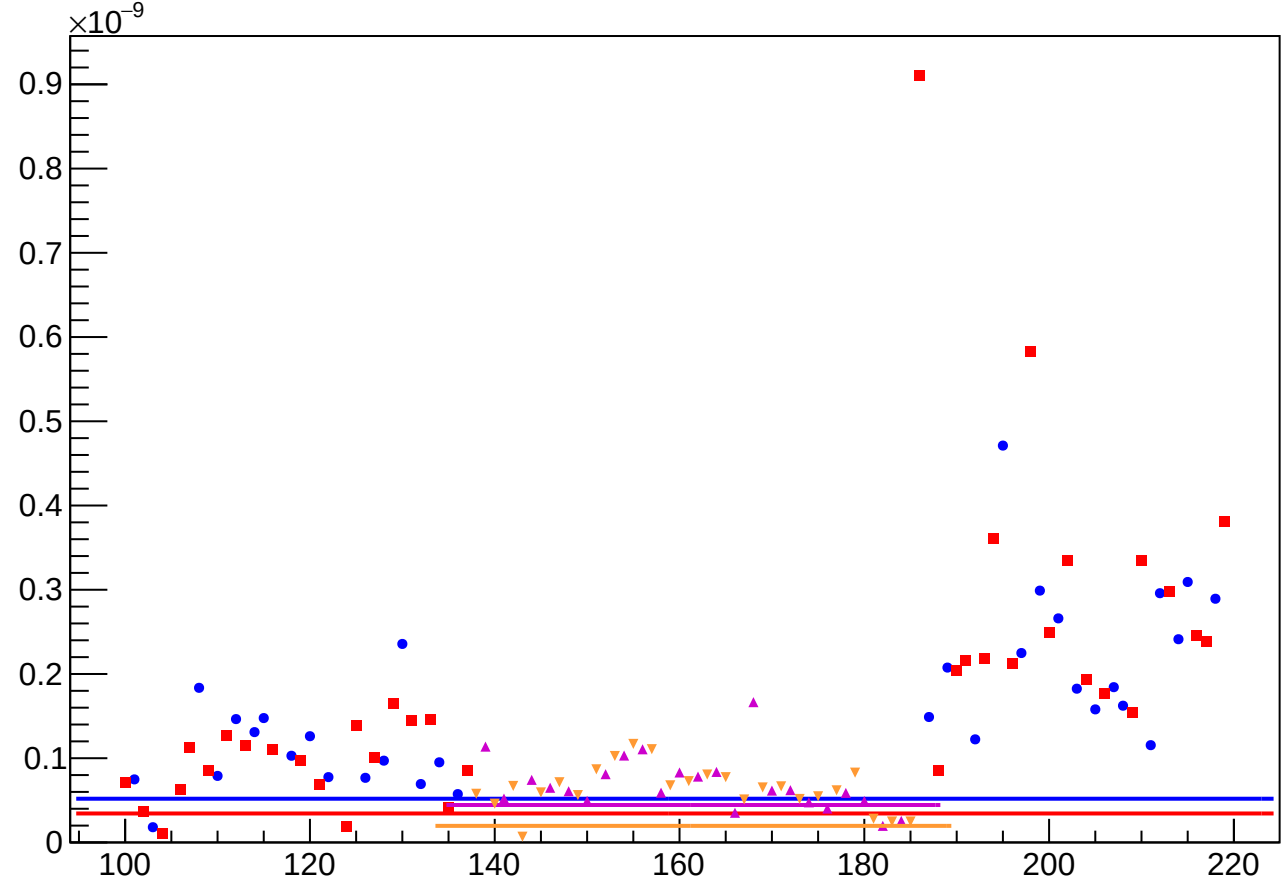
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 78.9/68

In: 0.000+/-0.000 χ^2/NDF:55.6/54

Out: -0.000+/-0.000 χ^2/NDF:59.3/61

All: -0.000+/-0.000 χ^2/NDF: 115.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 13080251.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17053704.4/36

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

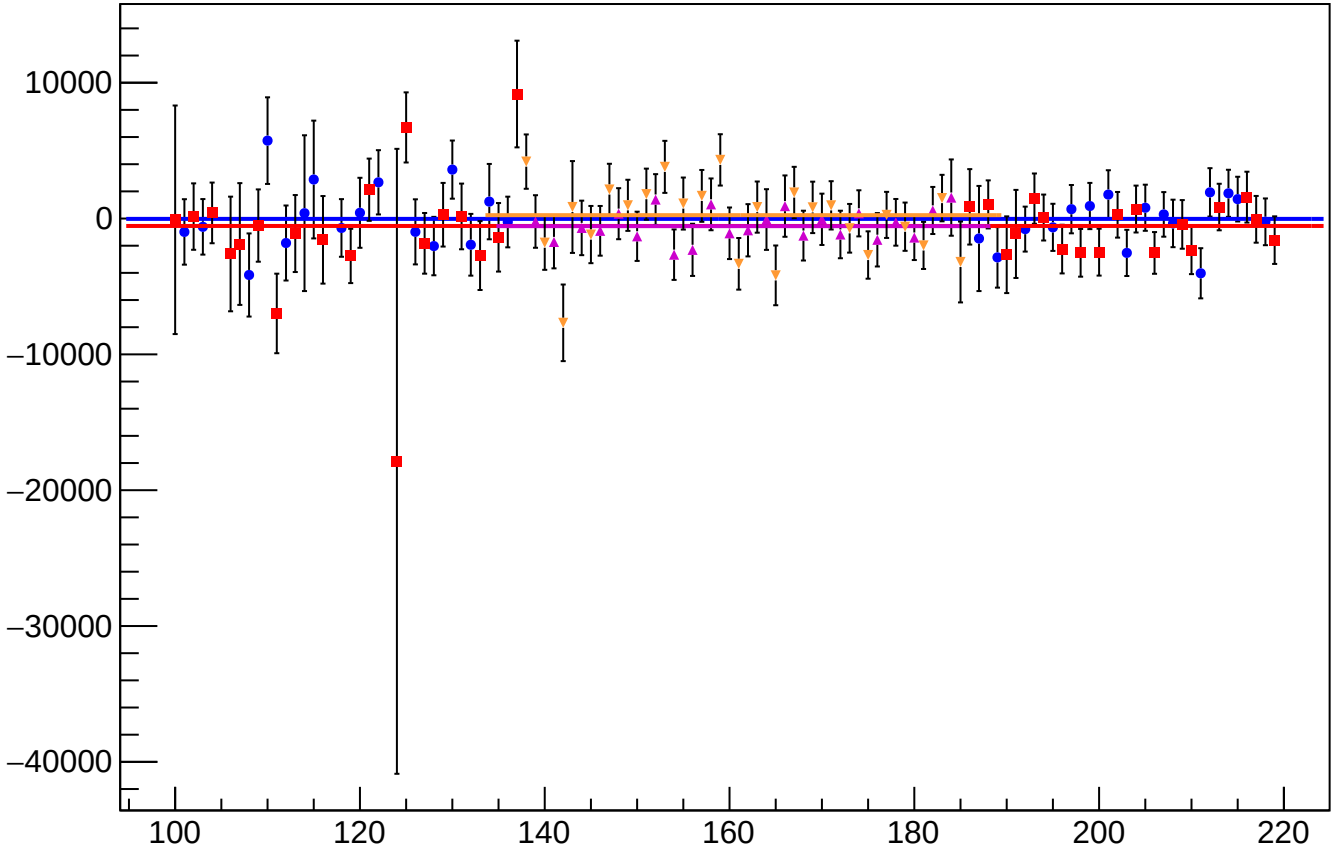
Right: 0.000+/-0.000 χ^2/NDF: 30860696.0/68

In: 0.000+/-0.000 χ^2/NDF:19154246.1/54

Out: 0.000+/-0.000 χ^2/NDF:33039296.5/61

All: 0.000+/-0.000 χ^2/NDF: 58035191.8/116

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -25.064+/-363.217 χ^2/NDF: 26.4/31

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: -546.599+/-357.889 χ^2/NDF: 36.3/36

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

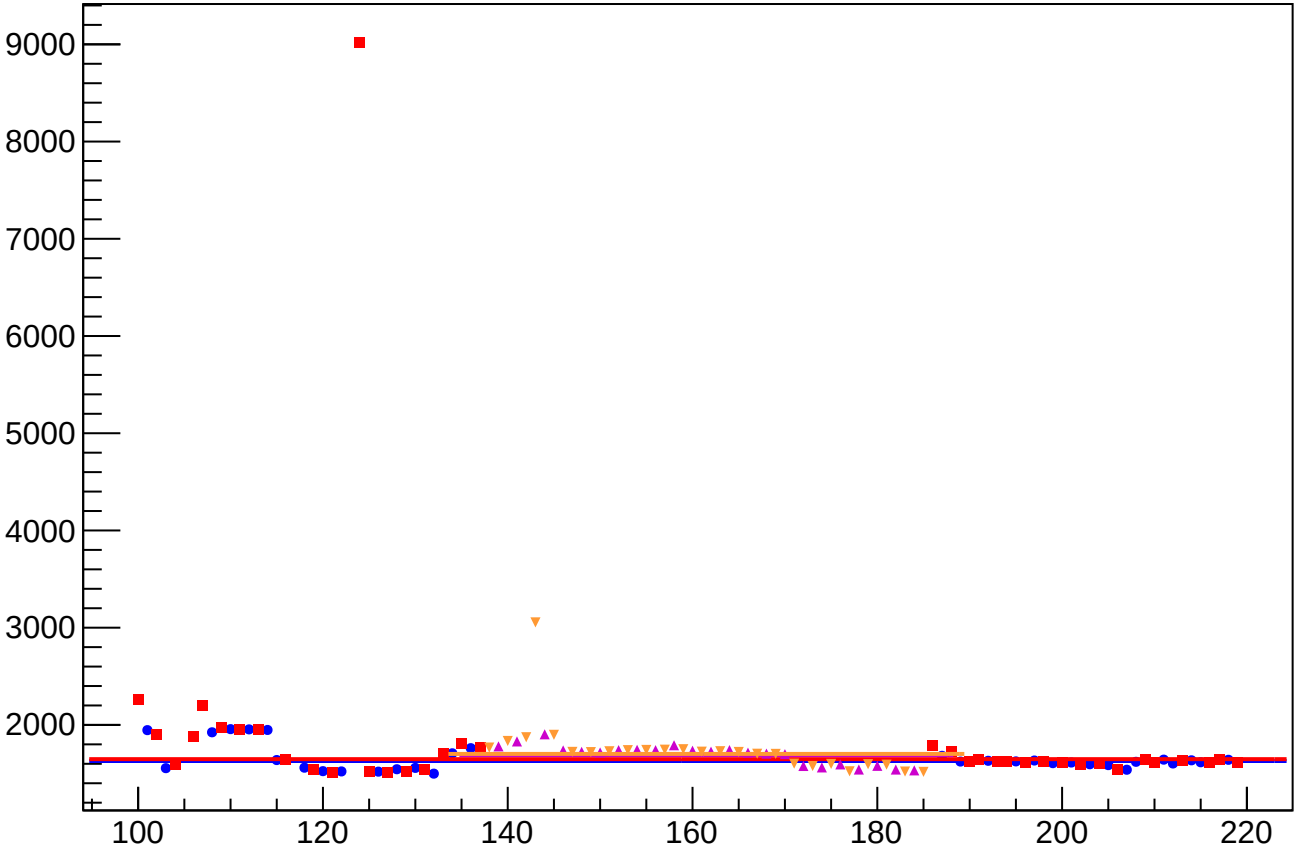
Right: -289.685+/-254.929 χ^2/NDF: 63.7/68

In: -270.070+/-267.399 χ^2/NDF:34.9/54

Out: -182.058+/-263.325 χ^2/NDF:78.2/61

All: -225.388+/-187.623 χ^2/NDF: 113.1/116

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1628.791+/-0.257 χ^2/NDF: 157909.8/31

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1647.784+/-0.253 χ^2/NDF: 424771.5/36

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

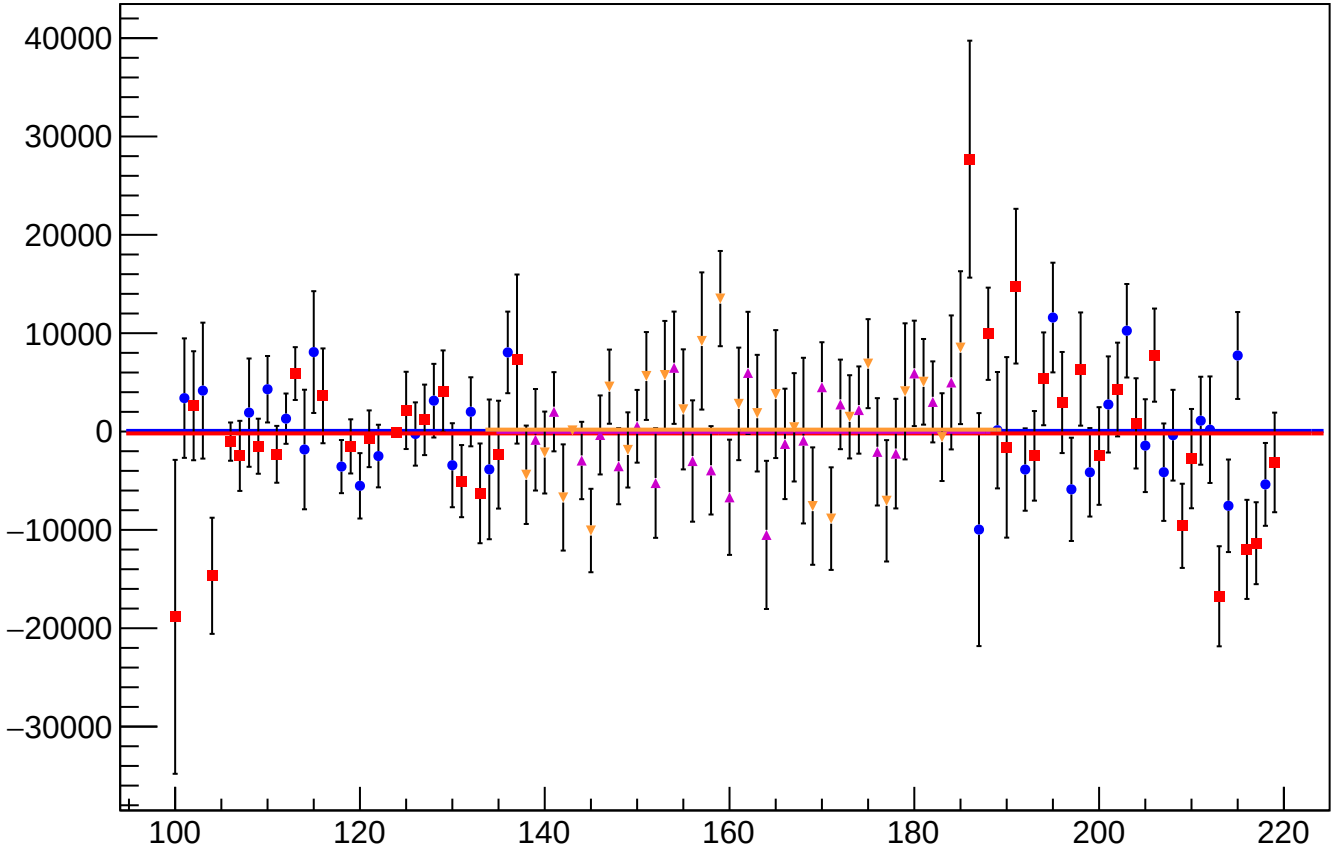
Right: 1638.442+/-0.180 χ^2/NDF: 585460.2/68

In: 1656.486+/-0.189 χ^2/NDF:305615.7/54

Out: 1672.419+/-0.186 χ^2/NDF:897906.0/61

All: 1664.581+/-0.133 χ^2/NDF: 1207129.3/11

asym_atl_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 64.044+/-756.205 χ^2/NDF: 36.4/31

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: -192.101+/-312.660 χ^2/NDF: 70.5/36

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

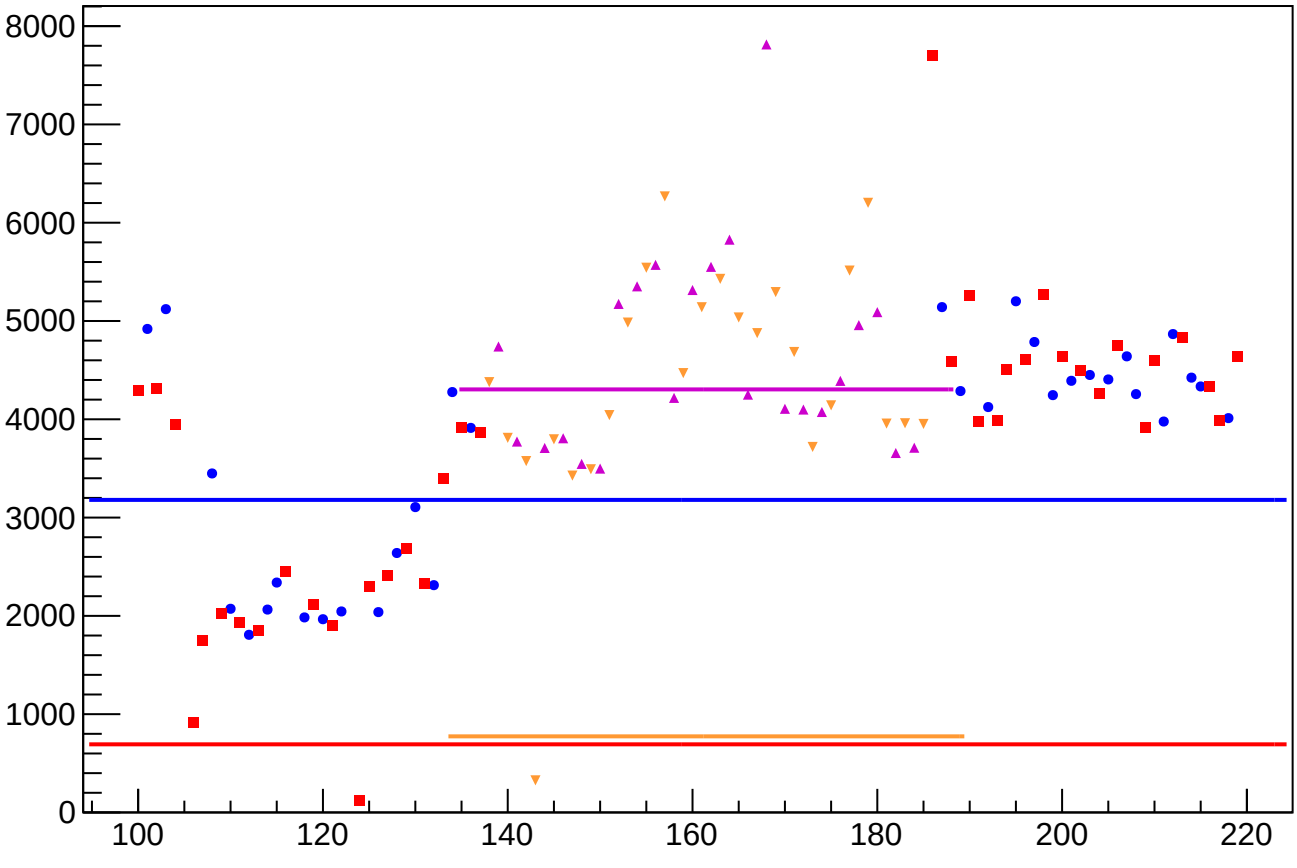
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: -154.706+/-288.937 χ^2/NDF: 107.0/68

In: 31.366+/-608.621 χ^2/NDF:49.7/54

Out: -17.177+/-231.107 χ^2/NDF:105.1/61

All: -11.060+/-216.055 χ^2/NDF: 154.7/116



Right In: 3179.931+/-0.535 χ^2/NDF: 4744471.0/31

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 693.091+/-0.221 χ^2/NDF: 32541297.9/36

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

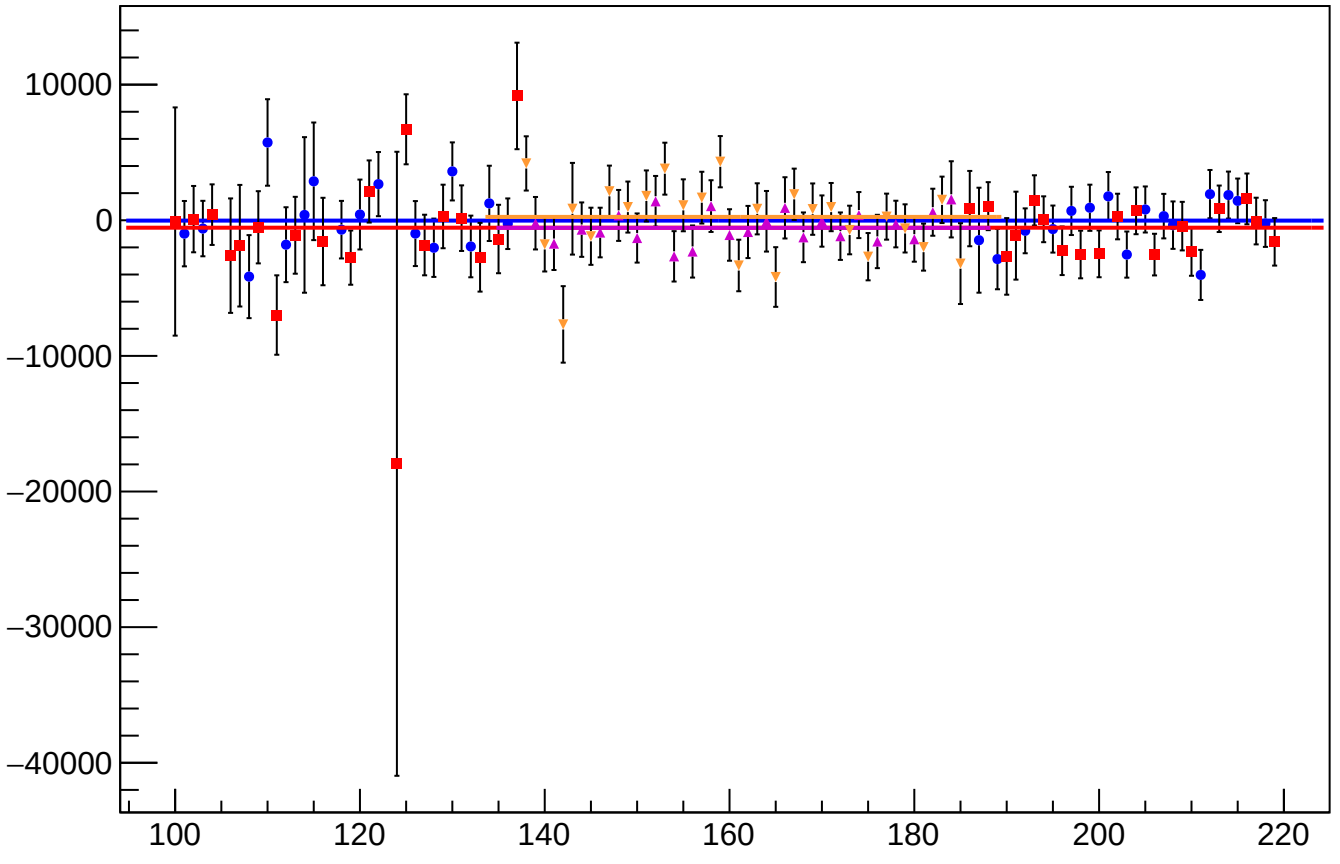
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 1056.149+/-0.204 χ^2/NDF: 55757551.2/68

In: 3575.875+/-0.430 χ^2/NDF:7517661.1/54

Out: 729.900+/-0.163 χ^2/NDF:60687989.2/61

All: 1088.547+/-0.153 χ^2/NDF: 106426544.2



Right In: -25.008+/-363.217 χ^2/NDF: 26.4/31

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -547.978+/-357.890 χ^2/NDF: 36.3/36

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

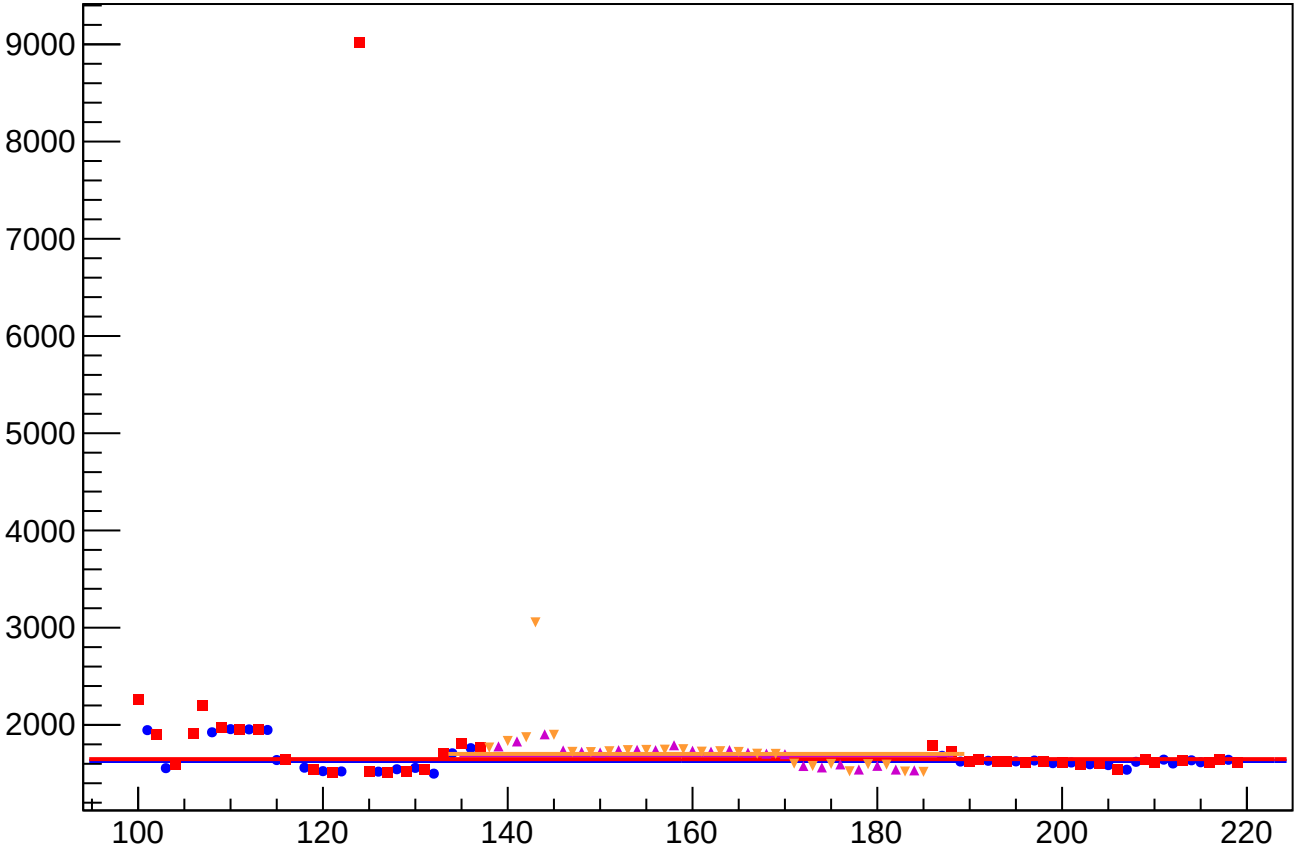
Right: -290.356+/-254.929 χ^2/NDF: 63.7/68

In: -270.024+/-267.399 χ^2/NDF:34.9/54

Out: -182.811+/-263.325 χ^2/NDF:78.2/61

All: -225.748+/-187.623 χ^2/NDF: 113.1/116

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1628.791+/-0.257 χ^2/NDF: 157909.8/31

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1648.024+/-0.253 χ^2/NDF: 426902.3/36

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

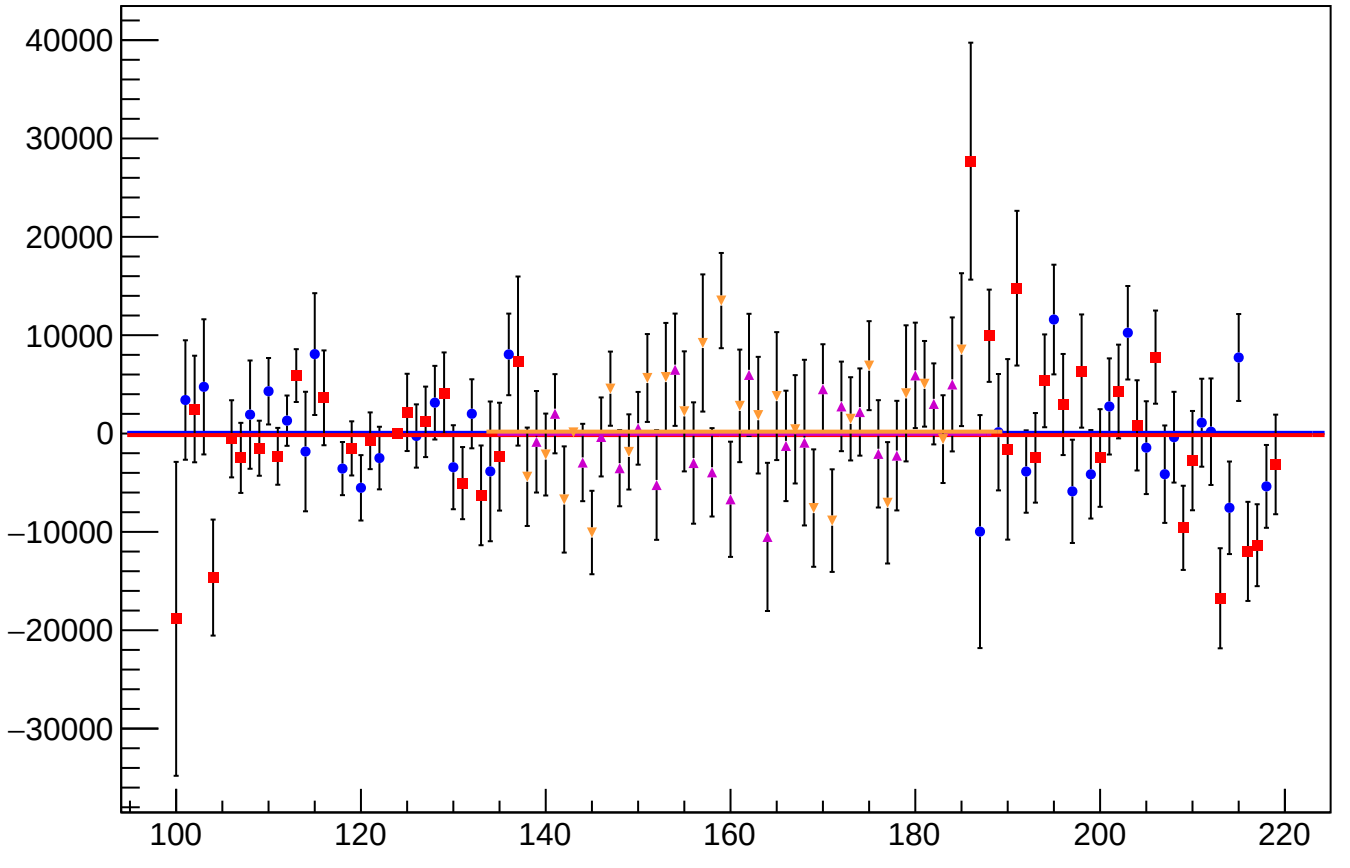
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1638.562+/-0.180 χ^2/NDF: 587661.2/68

In: 1656.486+/-0.189 χ^2/NDF:305615.7/54

Out: 1672.553+/-0.186 χ^2/NDF:899849.3/61

All: 1664.649+/-0.133 χ^2/NDF: 1209133.4/11



Right In: 71.895+/-756.147 χ^2/NDF: 36.5/31

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -157.873+/-305.473 χ^2/NDF: 70.3/36

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

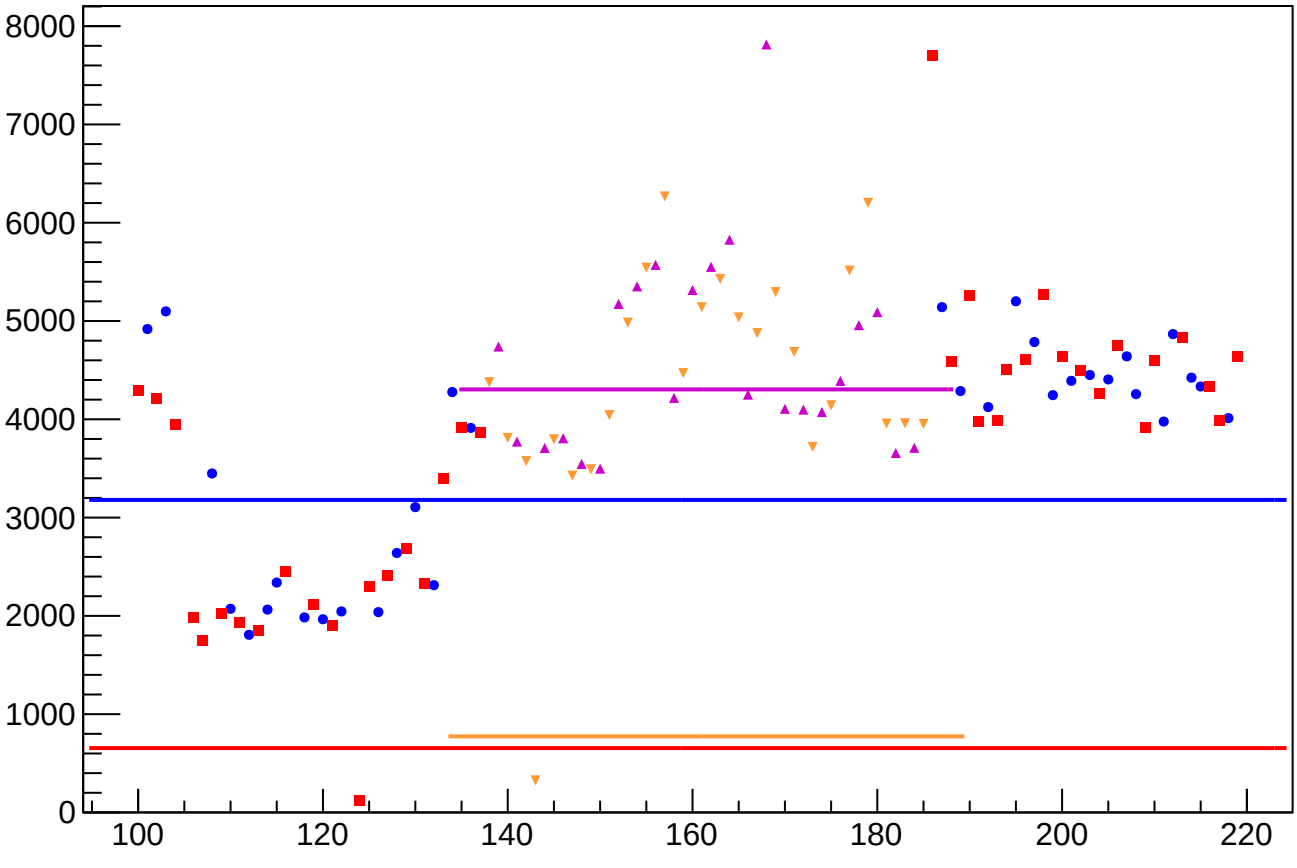
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -125.635+/-283.234 χ^2/NDF: 106.9/68

In: 36.441+/-608.590 χ^2/NDF:49.8/54

Out: -2.323+/-228.152 χ^2/NDF:104.8/61

All: 2.454+/-213.633 χ^2/NDF: 154.6/116



Right In: 3179.919+/-0.535 χ^2/NDF: 4742533.8/31

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 654.837+/-0.216 χ^2/NDF: 33244126.9/36

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

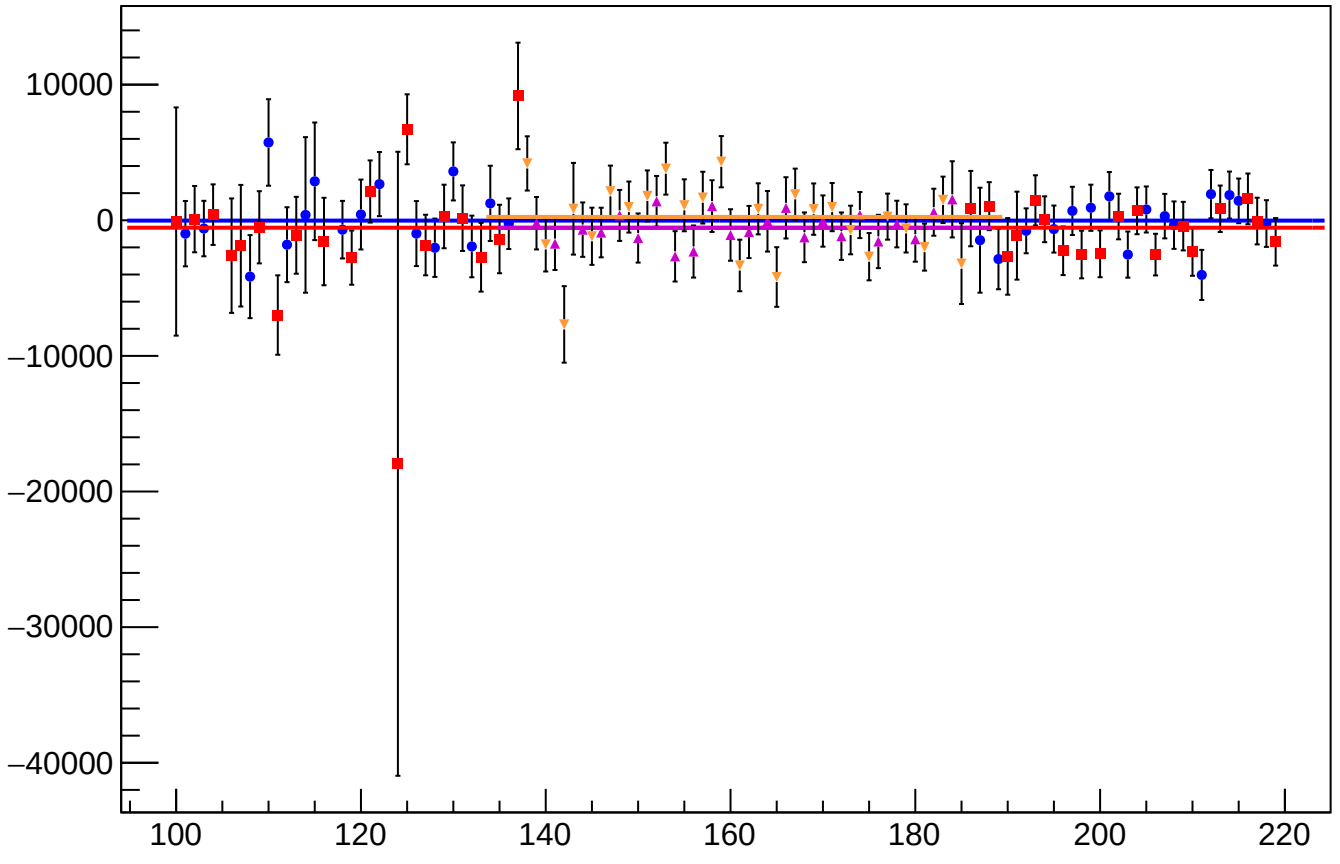
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 1009.122+/-0.200 χ^2/NDF: 57160649.3/68

In: 3575.826+/-0.430 χ^2/NDF:7515822.6/54

Out: 707.590+/-0.161 χ^2/NDF:61465478.2/61

All: 1061.020+/-0.151 χ^2/NDF: 107930598.3/



Right In: -25.008+/-363.217 χ^2/NDF: 26.4/31

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -547.978+/-357.890 χ^2/NDF: 36.3/36

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

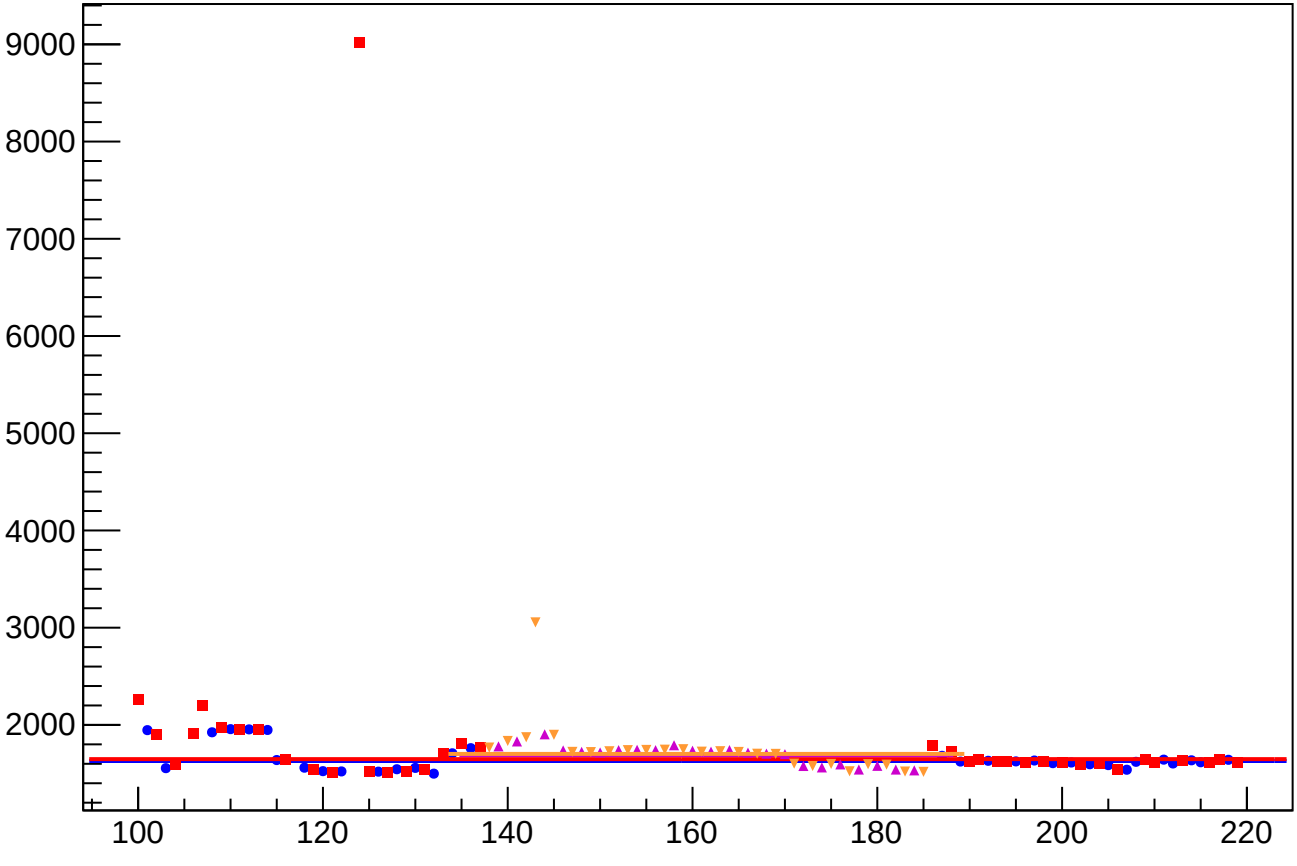
Right: -290.356+/-254.929 χ^2/NDF: 63.7/68

In: -270.024+/-267.399 χ^2/NDF:34.9/54

Out: -182.811+/-263.325 χ^2/NDF:78.2/61

All: -225.748+/-187.623 χ^2/NDF: 113.1/116

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1628.791+/-0.257 χ^2/NDF: 157909.8/31

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1648.024+/-0.253 χ^2/NDF: 426902.3/36

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

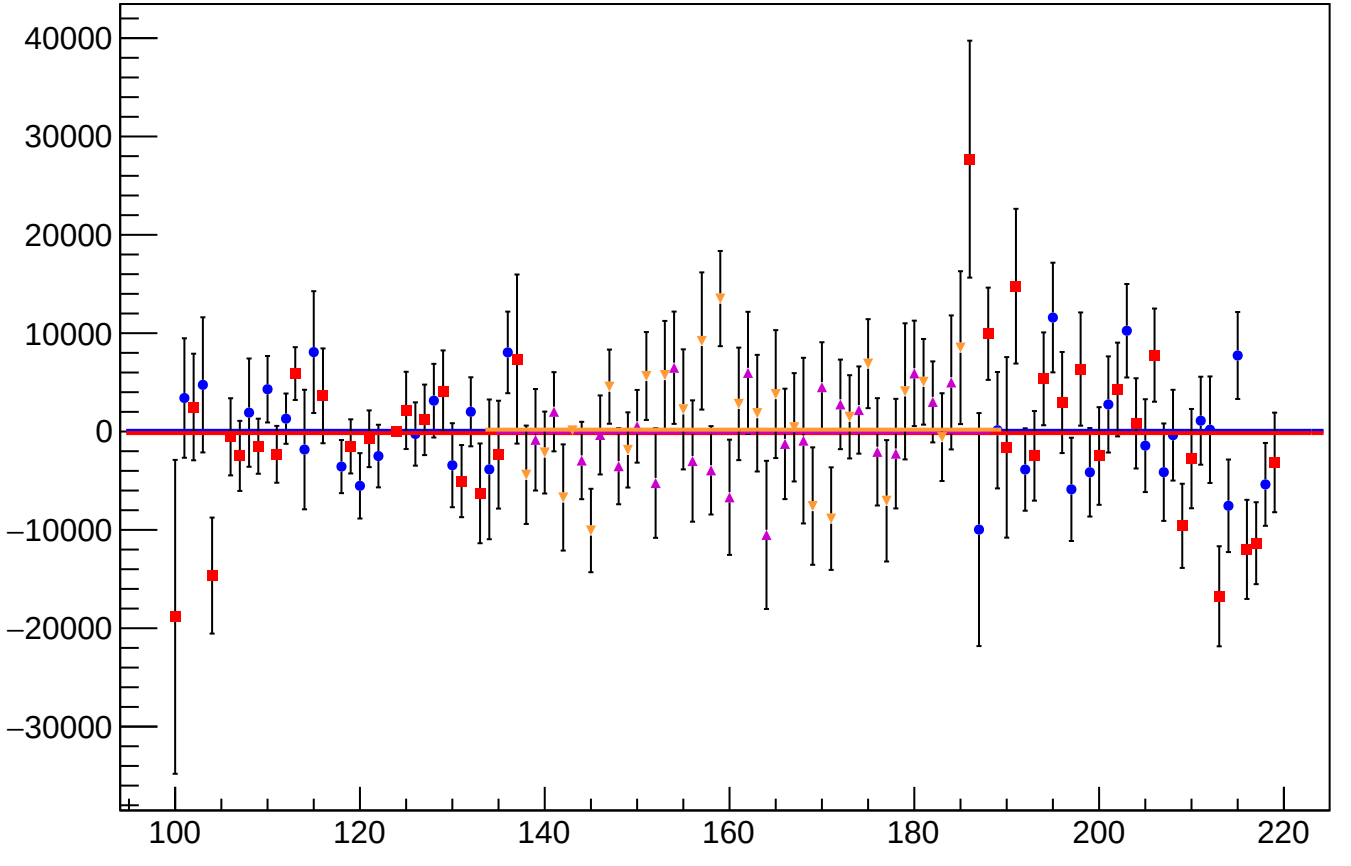
Right: 1638.562+/-0.180 χ^2/NDF: 587661.2/68

In: 1656.486+/-0.189 χ^2/NDF:305615.7/54

Out: 1672.553+/-0.186 χ^2/NDF:899849.3/61

All: 1664.649+/-0.133 χ^2/NDF: 1209133.4/11

asym_atl_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 71.895+/-756.147 χ^2/NDF: 36.5/31

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -157.873+/-305.473 χ^2/NDF: 70.3/36

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

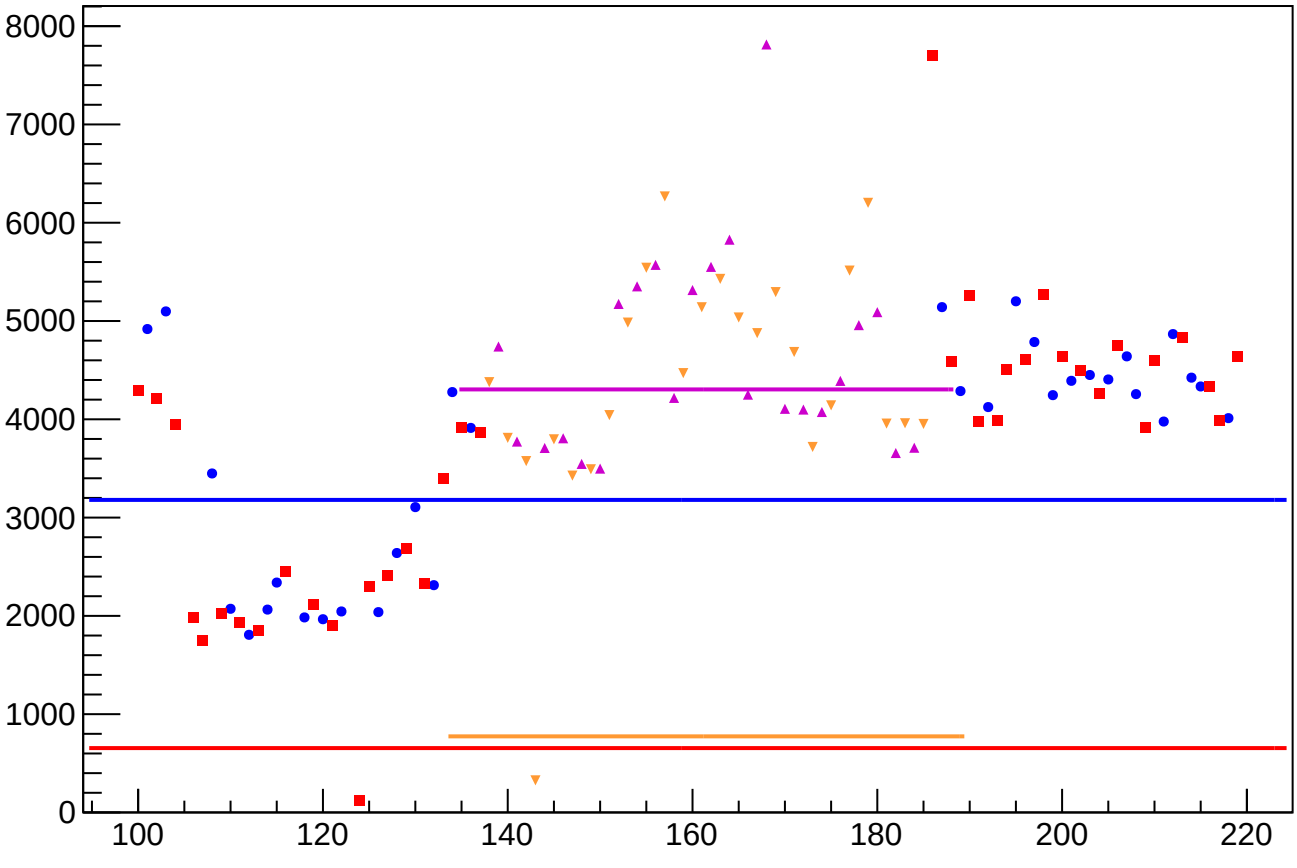
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -125.635+/-283.234 χ^2/NDF: 106.9/68

In: 36.441+/-608.590 χ^2/NDF:49.8/54

Out: -2.323+/-228.152 χ^2/NDF:104.8/61

All: 2.454+/-213.633 χ^2/NDF: 154.6/116



Right In: 3179.919+/-0.535 χ^2/NDF: 4742533.8/31

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 654.837+/-0.216 χ^2/NDF: 33244126.9/36

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

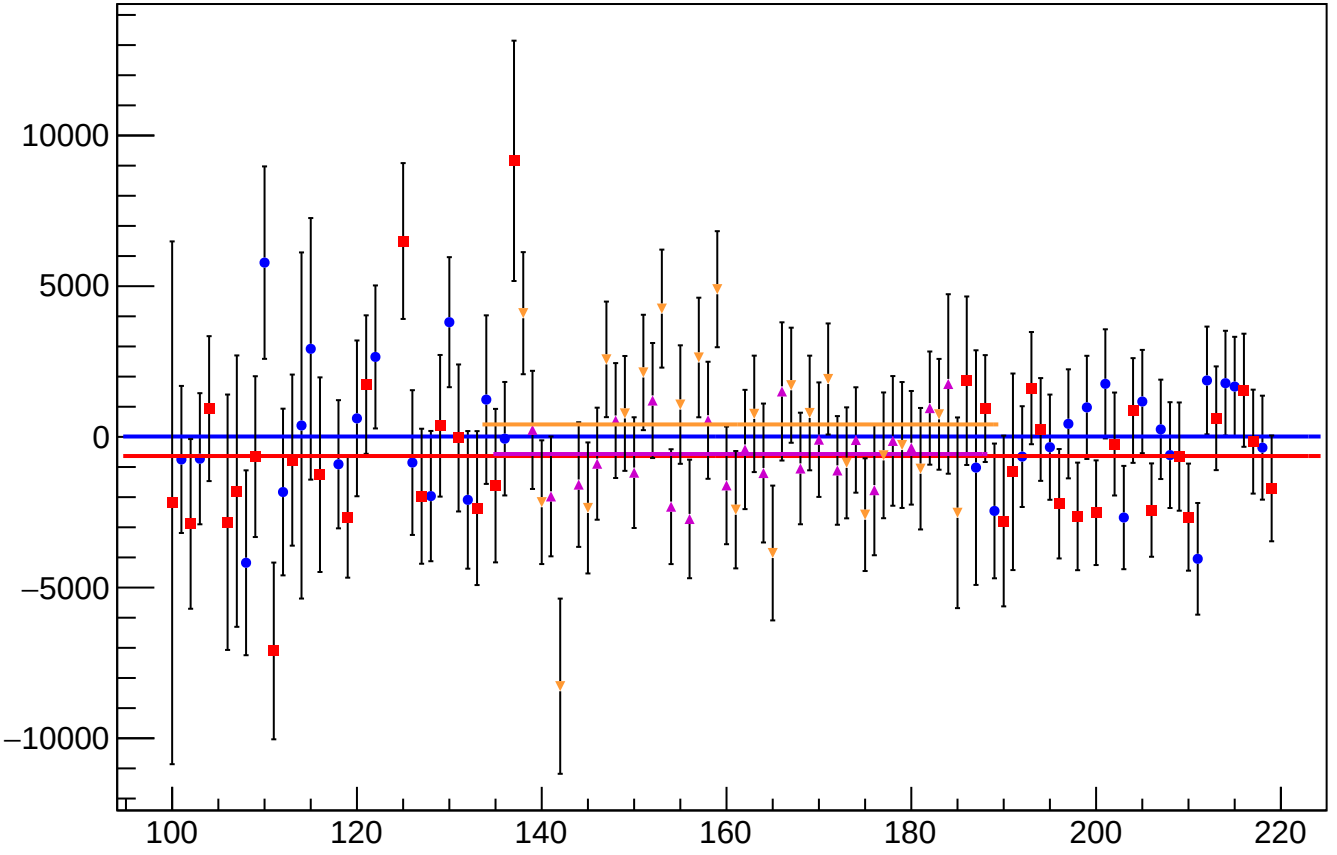
Right: 1009.122+/-0.200 χ^2/NDF: 57160649.3/68

In: 3575.826+/-0.430 χ^2/NDF:7515822.6/54

Out: 707.590+/-0.161 χ^2/NDF:61465478.2/61

All: 1061.020+/-0.151 χ^2/NDF: 107930598.3/

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 12.543+/-365.985 χ^2/NDF: 26.6/31

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -635.157+/-361.594 χ^2/NDF: 36.2/35

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

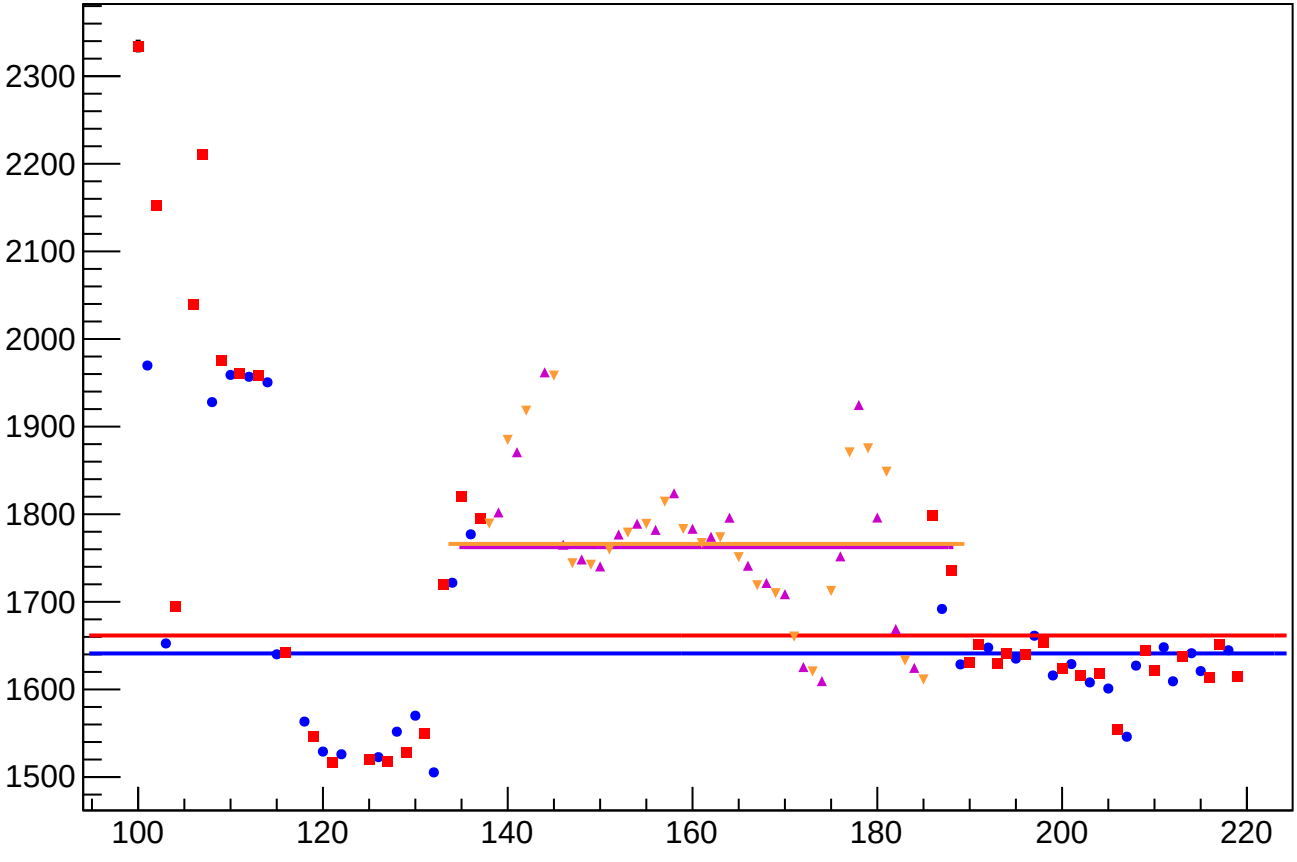
Right: -315.215+/-257.224 χ^2/NDF: 64.4/67

In: -243.838+/-273.634 χ^2/NDF:35.5/54

Out: -177.115+/-271.348 χ^2/NDF:79.9/59

All: -210.197+/-192.675 χ^2/NDF: 115.4/114

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1641.103+/-0.259 χ^2/NDF: 157111.0/31

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1661.586+/-0.255 χ^2/NDF: 270213.6/35

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

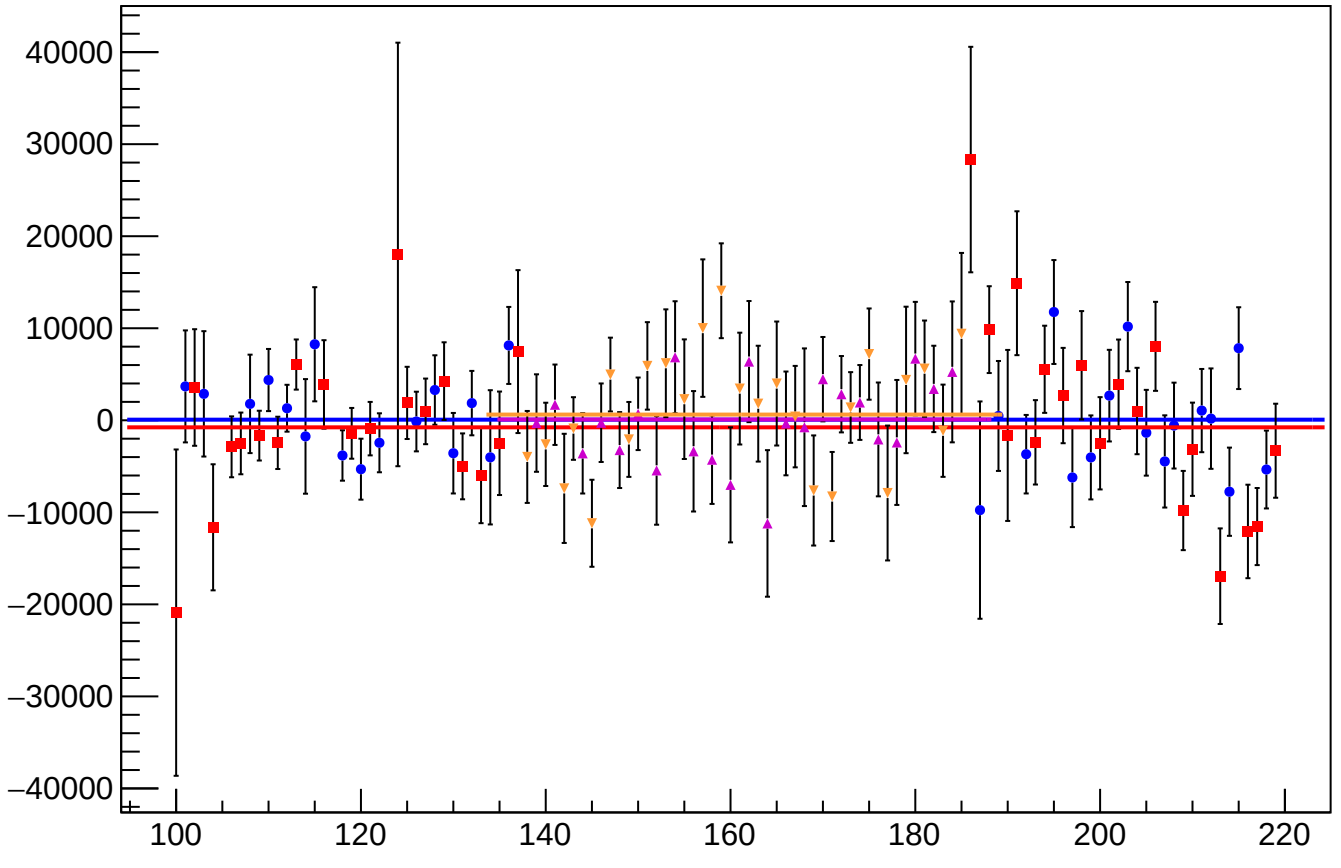
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1651.475+/-0.182 χ^2/NDF: 430496.8/67

In: 1694.597+/-0.193 χ^2/NDF:334091.1/54

Out: 1707.214+/-0.192 χ^2/NDF:426527.9/59

All: 1700.961+/-0.136 χ^2/NDF: 762763.7/114



Right In: 65.876+/-761.194 χ^2/NDF: 36.2/31

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -765.444+/-715.732 χ^2/NDF: 67.9/36

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

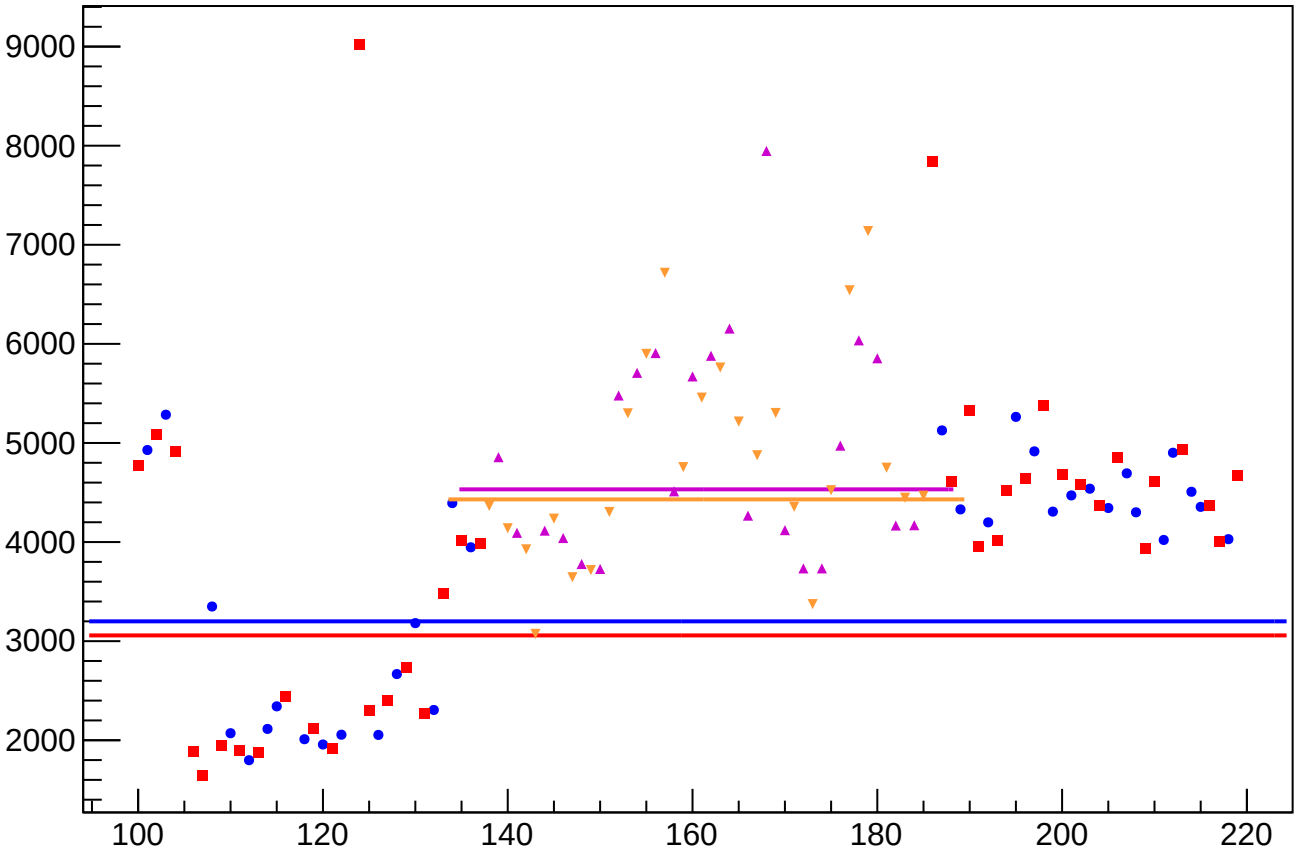
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: -375.350+/-521.430 χ^2/NDF: 104.7/68

In: 72.373+/-622.664 χ^2/NDF:49.1/54

Out: -317.154+/-588.621 χ^2/NDF:102.2/61

All: -133.330+/-427.747 χ^2/NDF: 151.5/116



Right In: 3199.997+/-0.538 χ^2/NDF: 4866689.3/31

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 3057.922+/-0.506 χ^2/NDF: 6325657.7/36

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

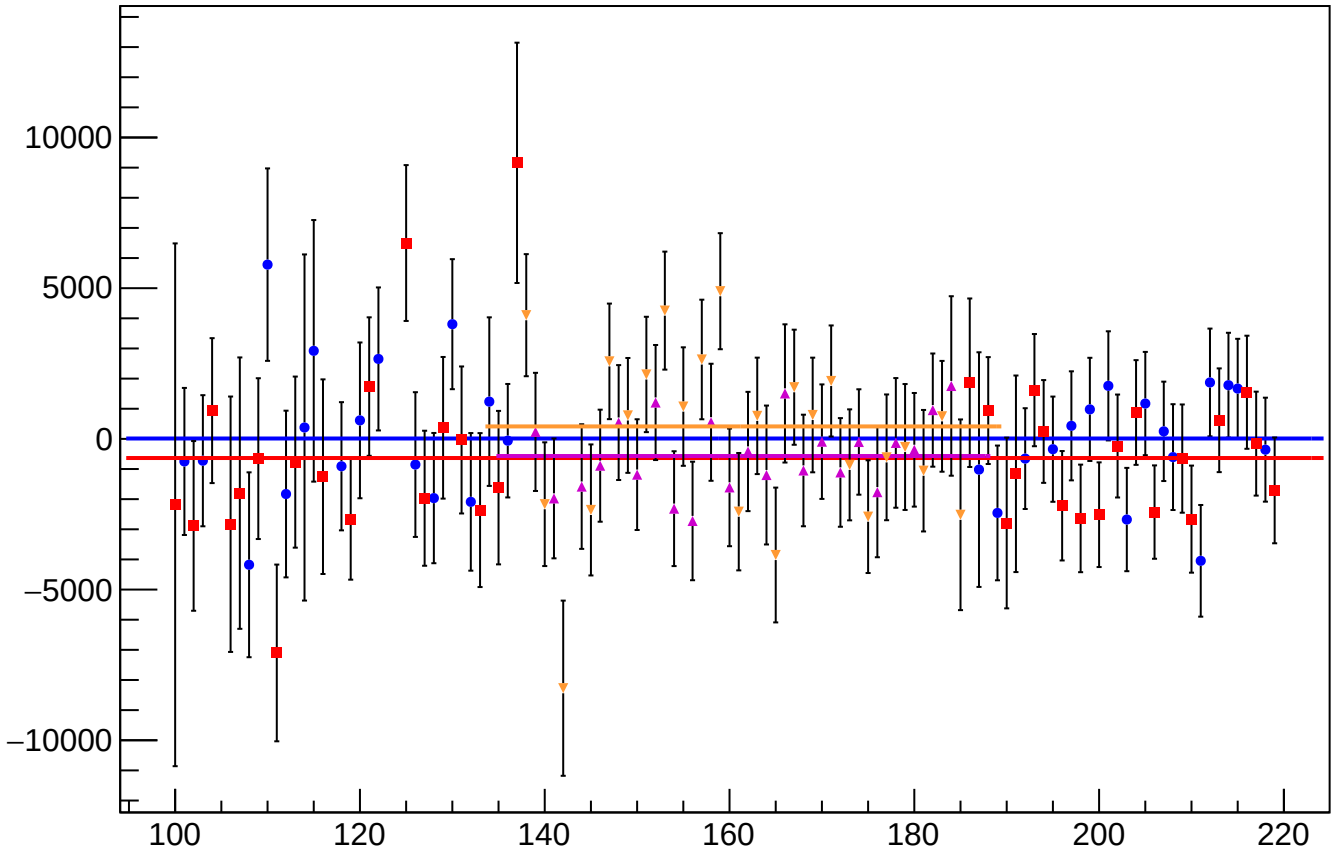
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 3124.591+/-0.369 χ^2/NDF: 11229327.0/68

In: 3640.686+/-0.440 χ^2/NDF:8269246.9/54

Out: 3502.255+/-0.416 χ^2/NDF:10320528.6/61

All: 3567.583+/-0.302 χ^2/NDF: 18641978.3/1



Right In: 12.540+/-365.985 χ^2/NDF: 26.6/31

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: -635.154+/-361.594 χ^2/NDF: 36.2/35

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

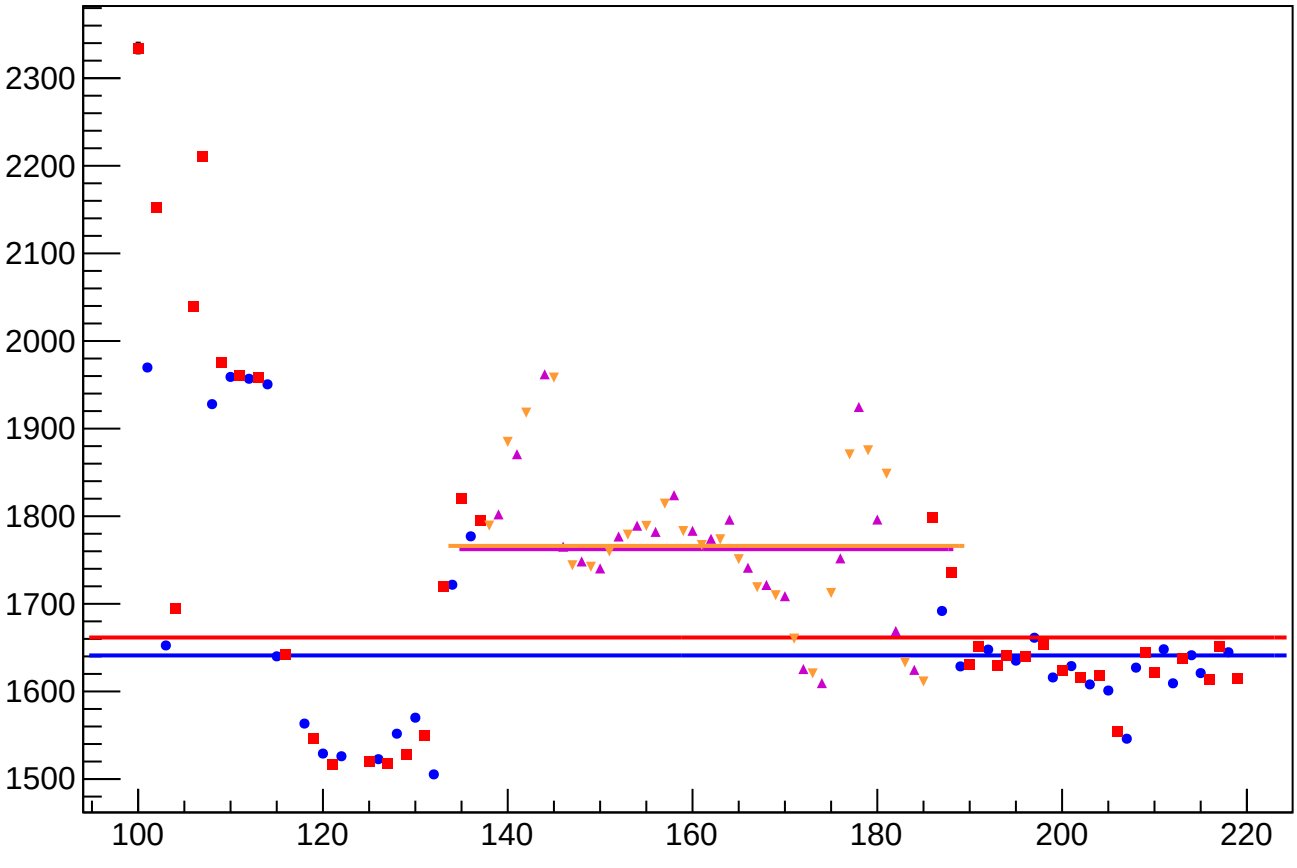
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -315.215+/-257.224 χ^2/NDF: 64.4/67

In: -243.839+/-273.634 χ^2/NDF:35.5/54

Out: -177.113+/-271.348 χ^2/NDF:79.9/59

All: -210.196+/-192.675 χ^2/NDF: 115.4/114



Right In: 1641.103+/-0.259 χ^2/NDF: 157111.0/31

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1661.586+/-0.255 χ^2/NDF: 270212.3/35

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

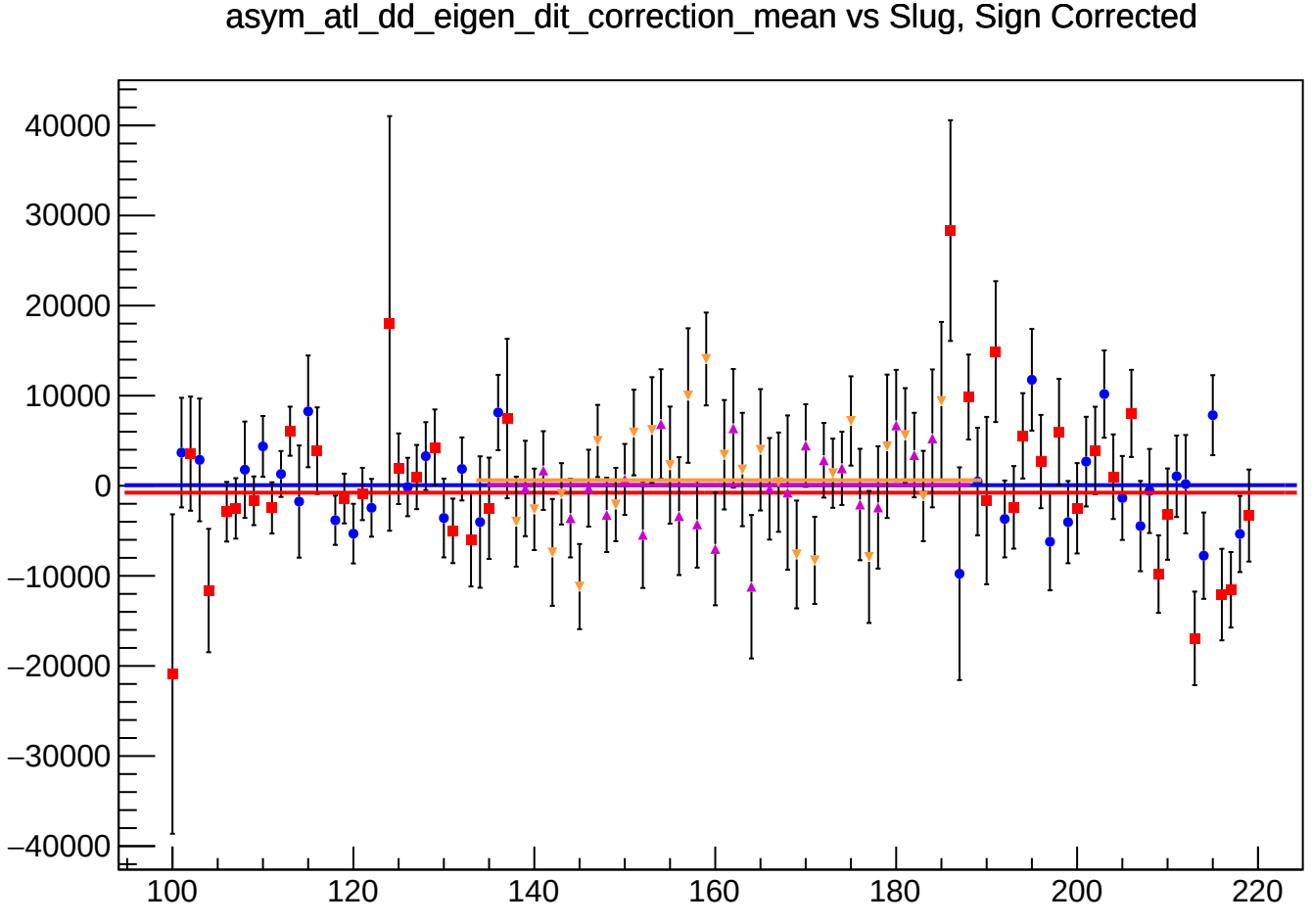
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1651.476+/-0.182 χ^2/NDF: 430495.5/67

In: 1694.598+/-0.193 χ^2/NDF:334095.1/54

Out: 1707.214+/-0.192 χ^2/NDF:426530.7/59

All: 1700.961+/-0.136 χ^2/NDF: 762770.5/114



Right In: 65.872+/-761.193 χ^2/NDF: 36.2/31

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -765.445+/-715.730 χ^2/NDF: 67.9/36

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

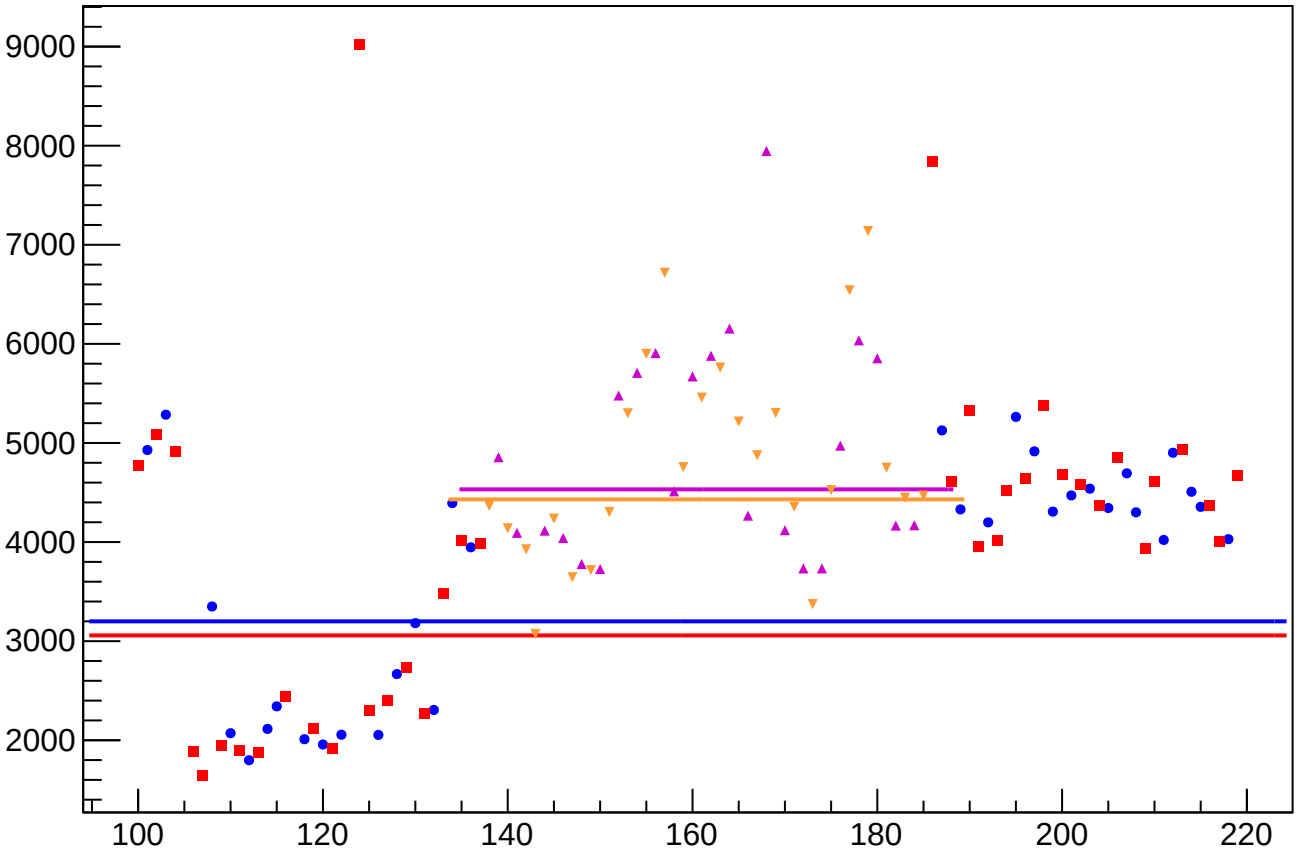
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: -375.352+/-521.430 χ^2/NDF: 104.7/68

In: 72.370+/-622.664 χ^2/NDF:49.1/54

Out: -317.155+/-588.620 χ^2/NDF:102.2/61

All: -133.331+/-427.746 χ^2/NDF: 151.5/116



Right In: 3199.989+/-0.538 χ^2/NDF: 4866771.7/31

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 3057.914+/-0.506 χ^2/NDF: 6325728.9/36

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

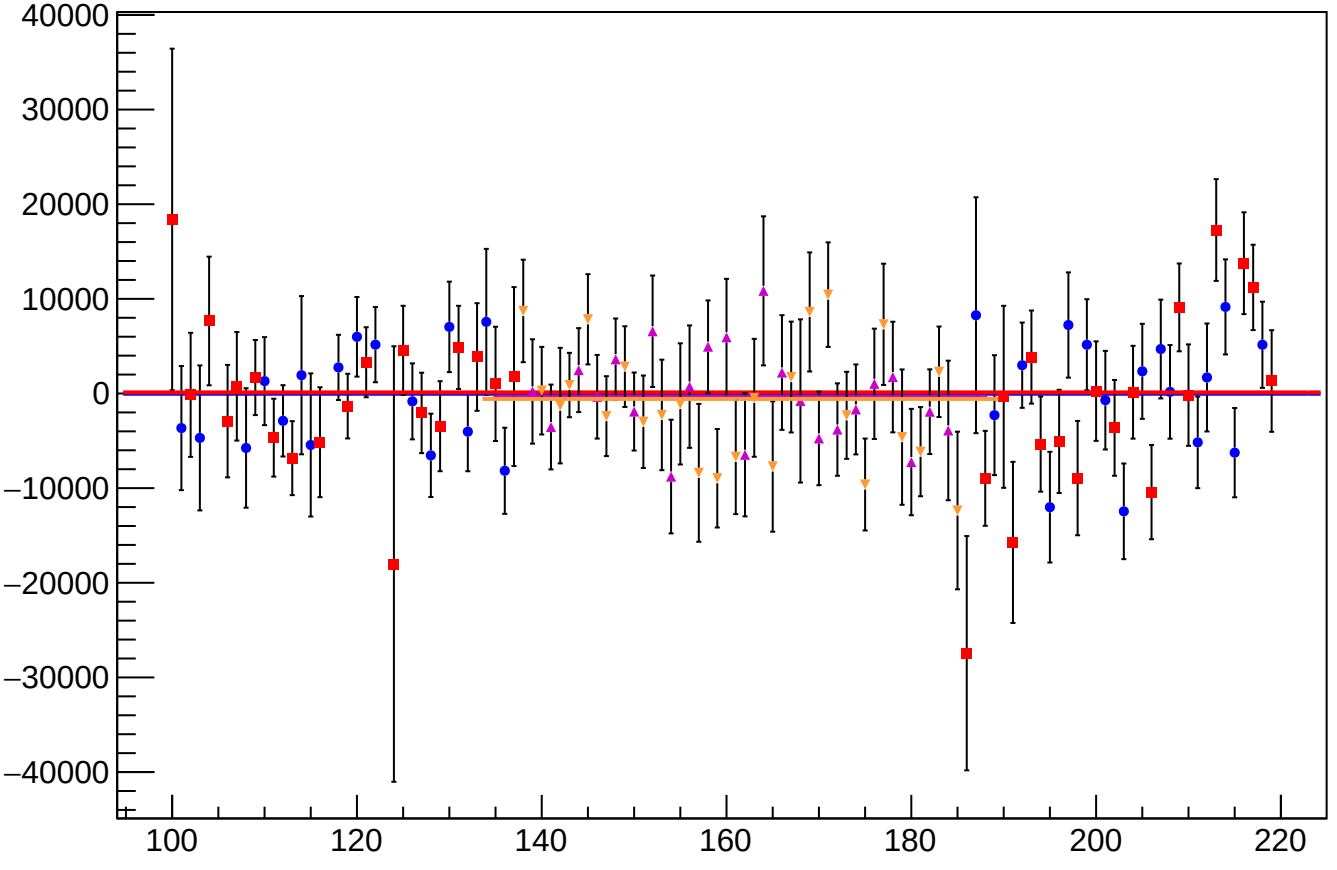
Right: 3124.582+/-0.369 χ^2/NDF: 11229480.7/68

In: 3640.681+/-0.440 χ^2/NDF:8269376.2/54

Out: 3502.249+/-0.416 χ^2/NDF:10320652.8/61

All: 3567.578+/-0.302 χ^2/NDF: 18642232.0/

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -23.920+/-883.050 χ^2/NDF: 39.4/31

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 117.803+/-858.904 χ^2/NDF: 61.1/36

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

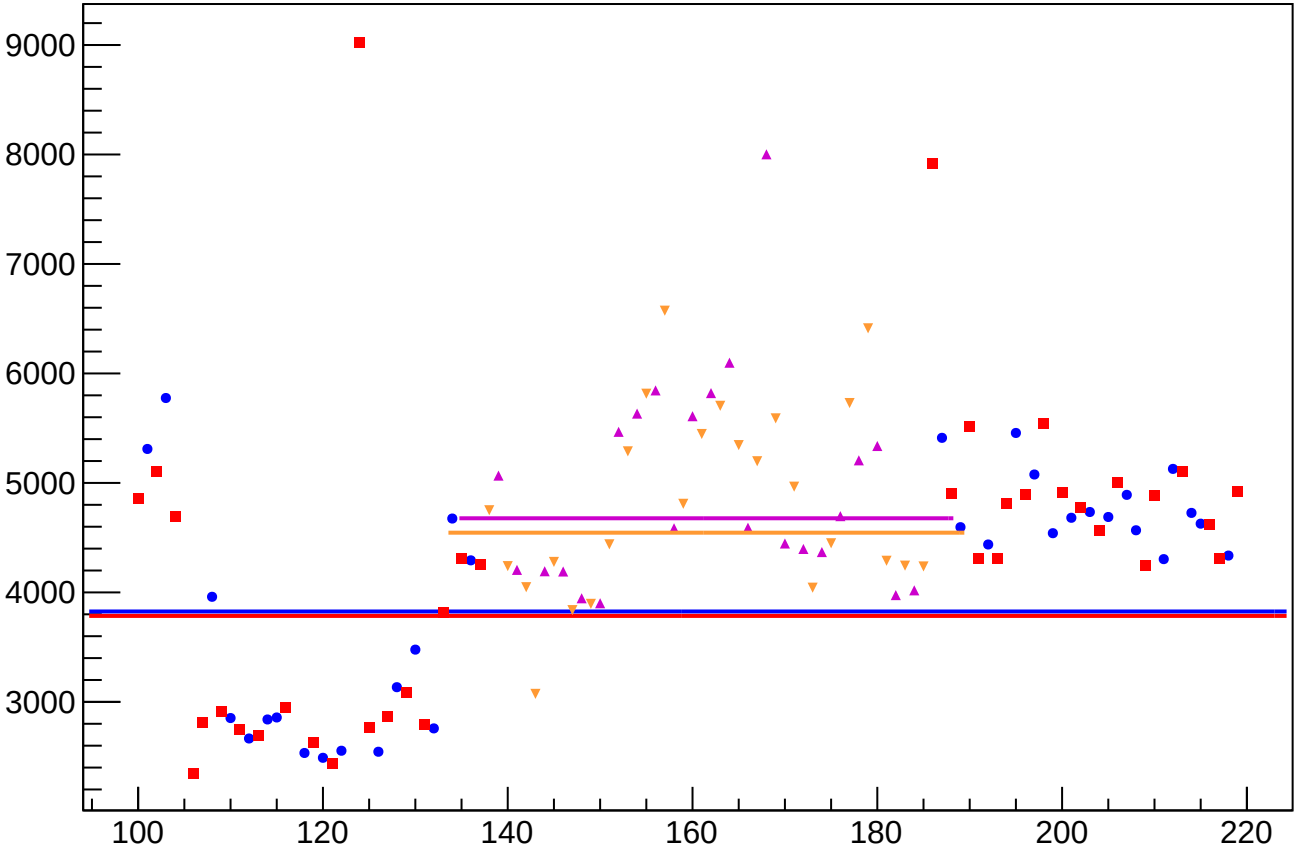
Right: 48.906+/-615.696 χ^2/NDF: 100.5/68

In: -169.147+/-690.924 χ^2/NDF:53.5/54

Out: -157.655+/-666.035 χ^2/NDF:90.1/61

All: -163.190+/-479.515 χ^2/NDF: 143.6/116

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3825.782+/-0.624 χ^2/NDF: 2675129.1/31

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3785.280+/-0.603 χ^2/NDF: 3238125.1/36

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

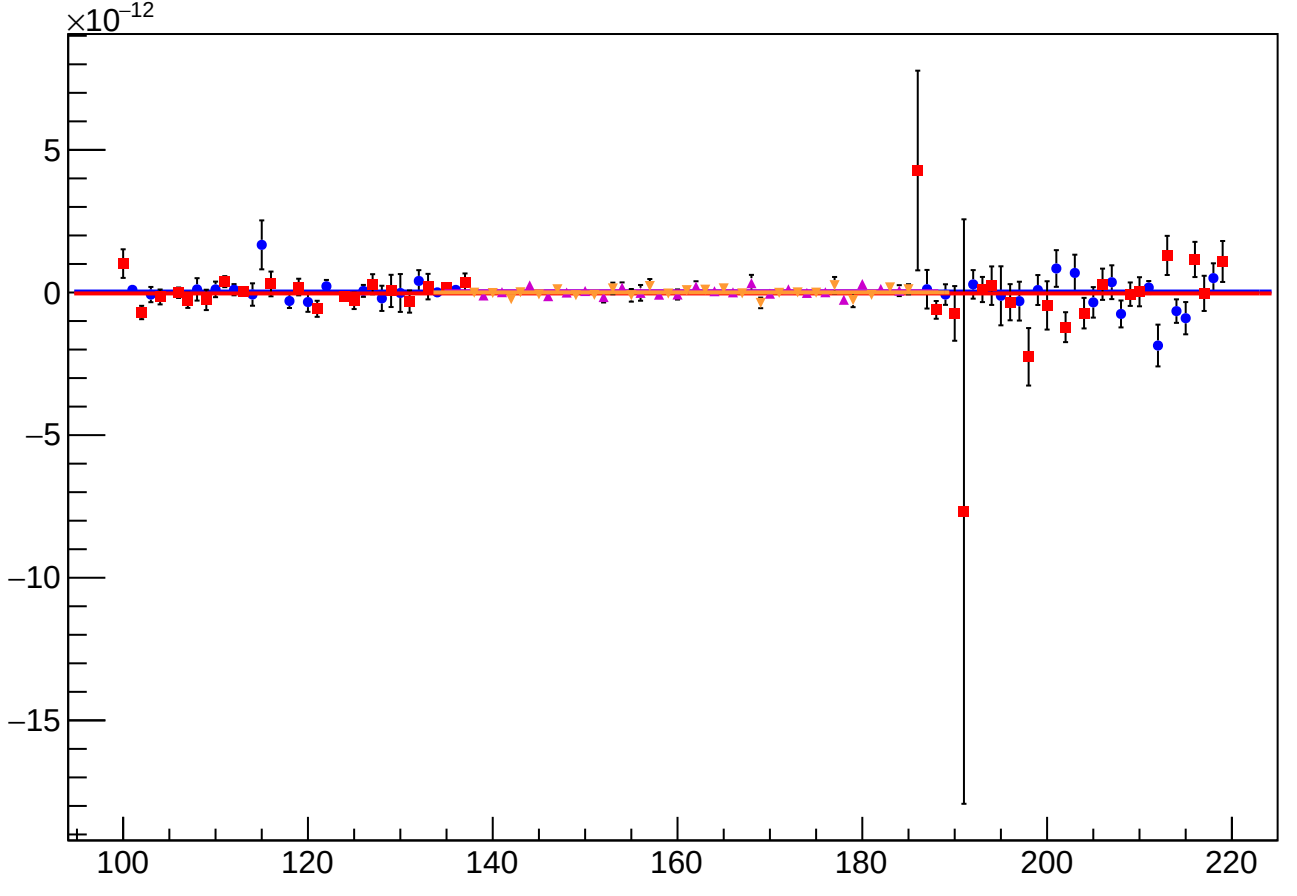
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3804.816+/-0.434 χ^2/NDF: 5915432.2/68

In: 4155.907+/-0.489 χ^2/NDF:4355799.2/54

Out: 4085.604+/-0.469 χ^2/NDF:5125070.9/61

All: 4119.306+/-0.338 χ^2/NDF: 9491650.6/11



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 58.8/36

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

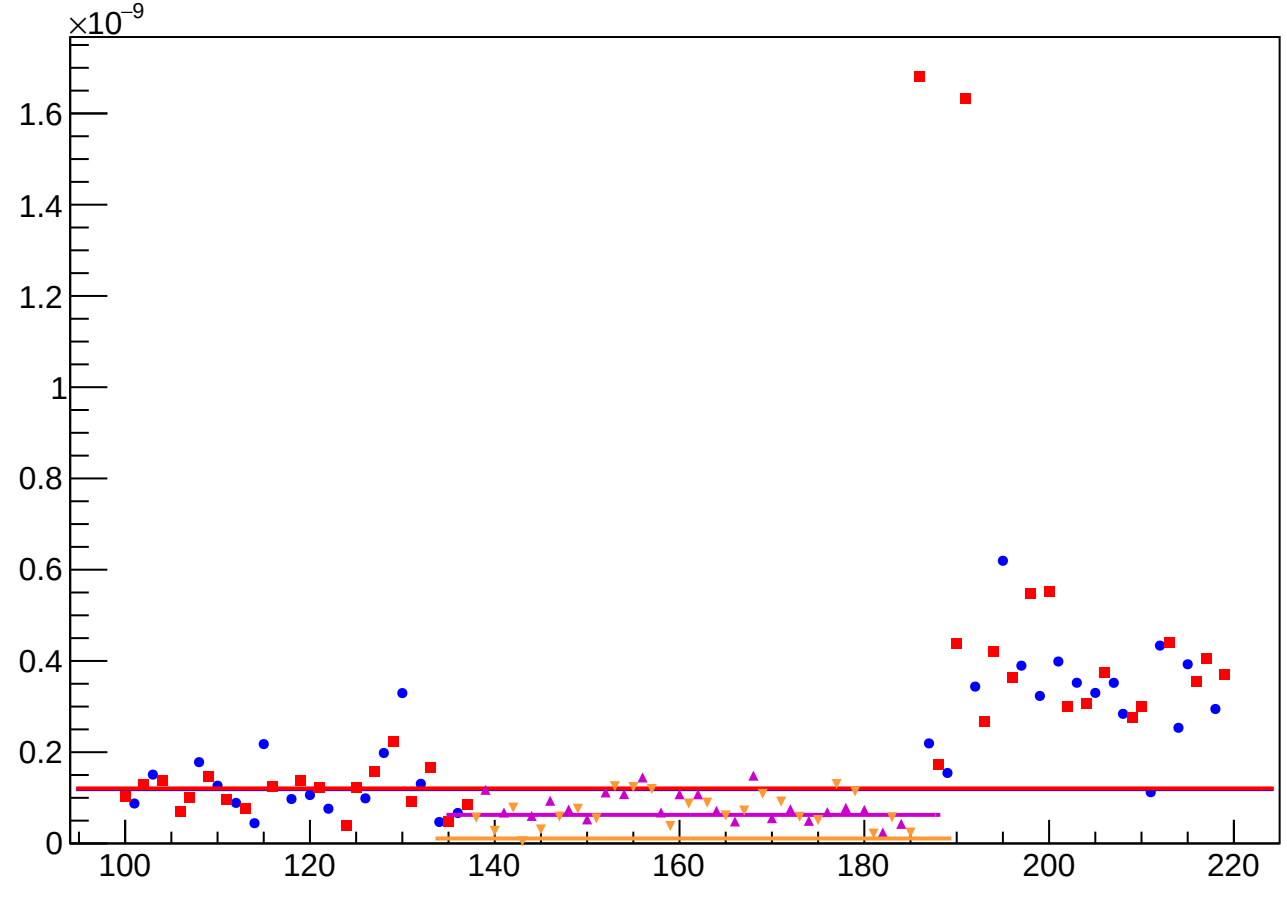
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 89.4/68

In: 0.000+/-0.000 χ^2/NDF:50.3/54

Out: 0.000+/-0.000 χ^2/NDF:77.5/61

All: 0.000+/-0.000 χ^2/NDF: 130.3/116



Right In: 0.000+/-0.000 χ^2/NDF: 5848004.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7023298.9/36

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

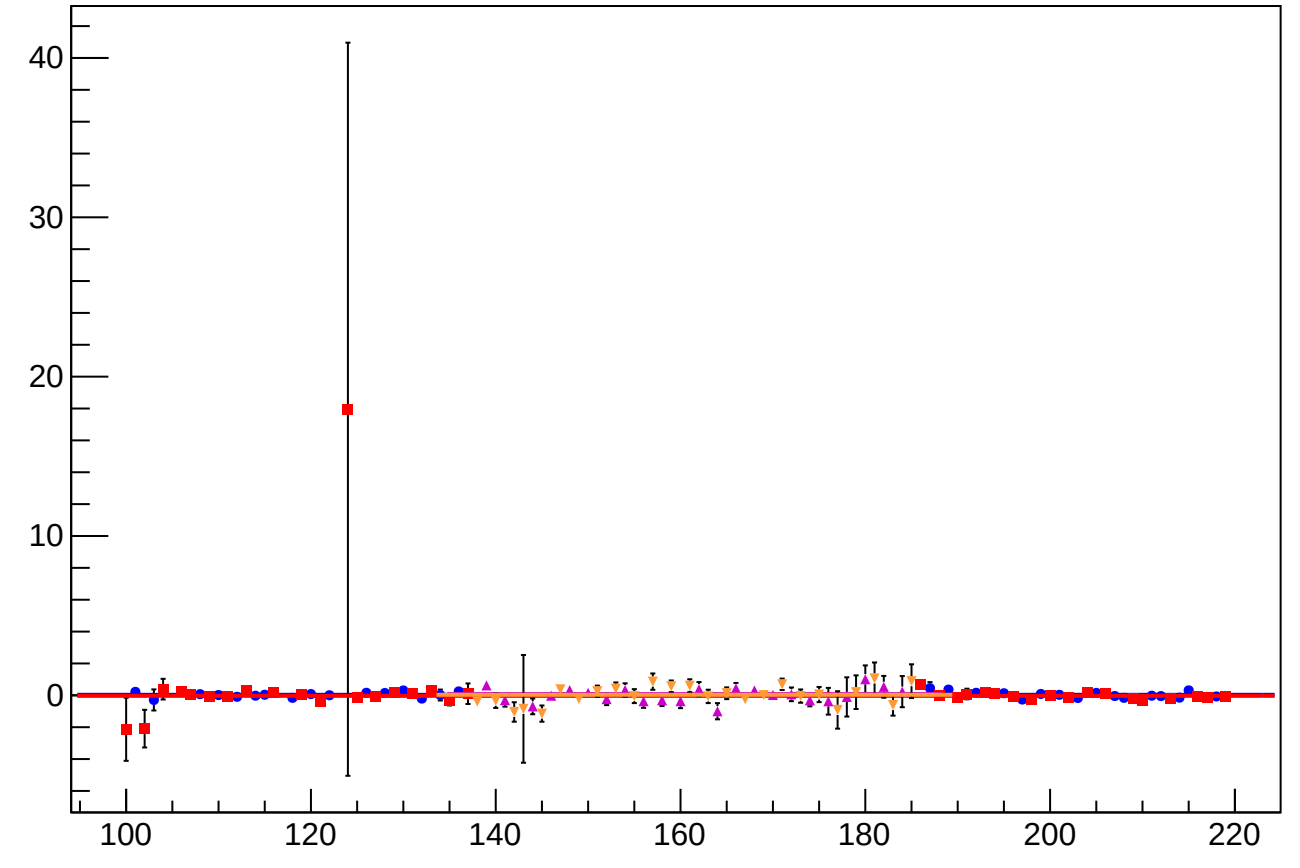
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12872211.4/68

In: 0.000+/-0.000 χ^2/NDF:9874417.9/54

Out: 0.000+/-0.000 χ^2/NDF:25516676.0/61

All: 0.000+/-0.000 χ^2/NDF: 47521537.1/116



Right In: 0.031+/-0.030 χ^2/NDF: 28.1/31

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.032+/-0.028 χ^2/NDF: 44.6/36

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

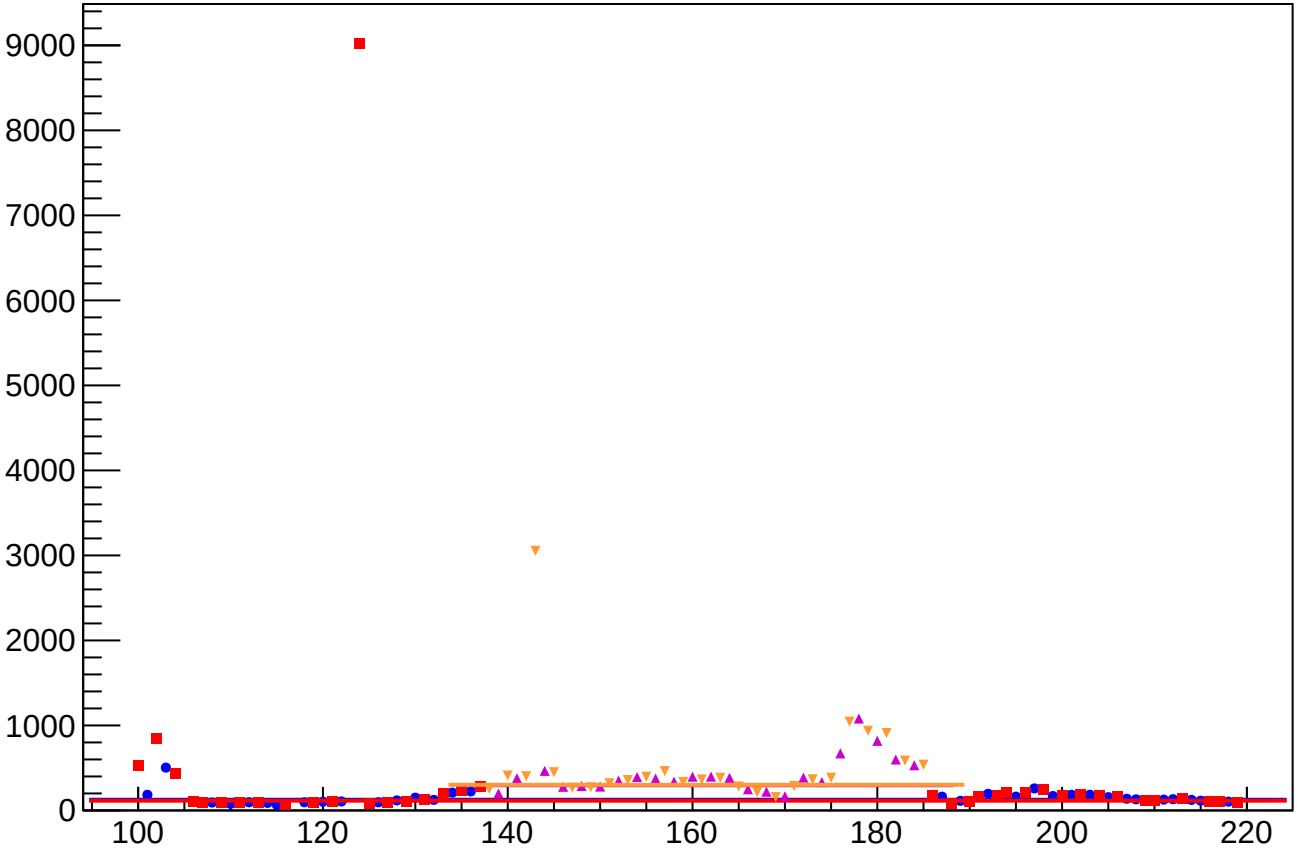
Right: -0.003+/-0.020 χ^2/NDF: 75.1/68

In: 0.038+/-0.028 χ^2/NDF:52.5/54

Out: -0.024+/-0.026 χ^2/NDF:74.9/61

All: 0.004+/-0.019 χ^2/NDF: 130.1/116

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 125.772+/-0.021 χ^2/NDF: 3566083.0/31

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 115.074+/-0.019 χ^2/NDF: 5616484.0/36

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

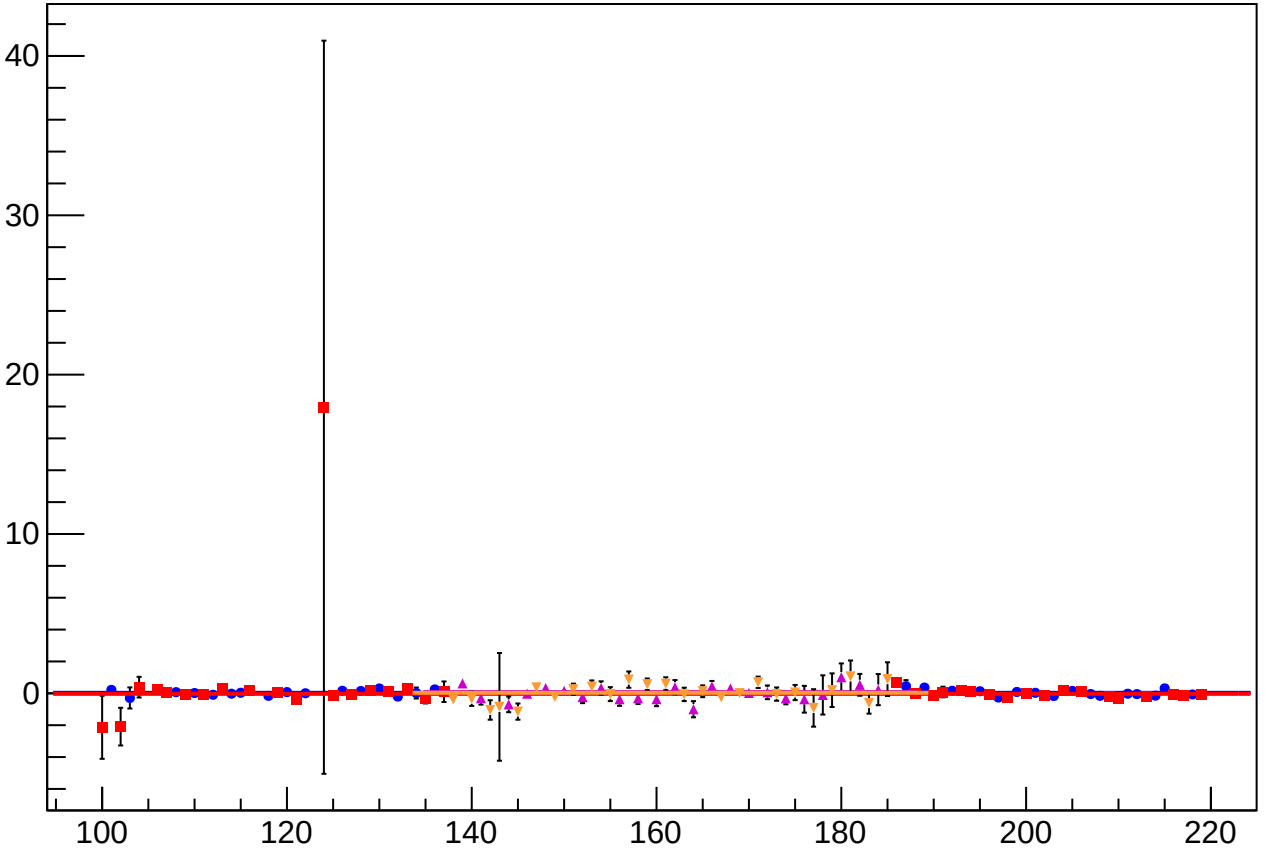
Right: 119.957+/-0.014 χ^2/NDF: 9320221.4/68

In: 149.063+/-0.020 χ^2/NDF:17301920.0/54

Out: 136.288+/-0.018 χ^2/NDF:22745724.1/61

All: 142.200+/-0.013 χ^2/NDF: 40272220.6/11

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.030 χ^2/NDF: 28.1/31

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.032+/-0.028 χ^2/NDF: 44.6/36

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

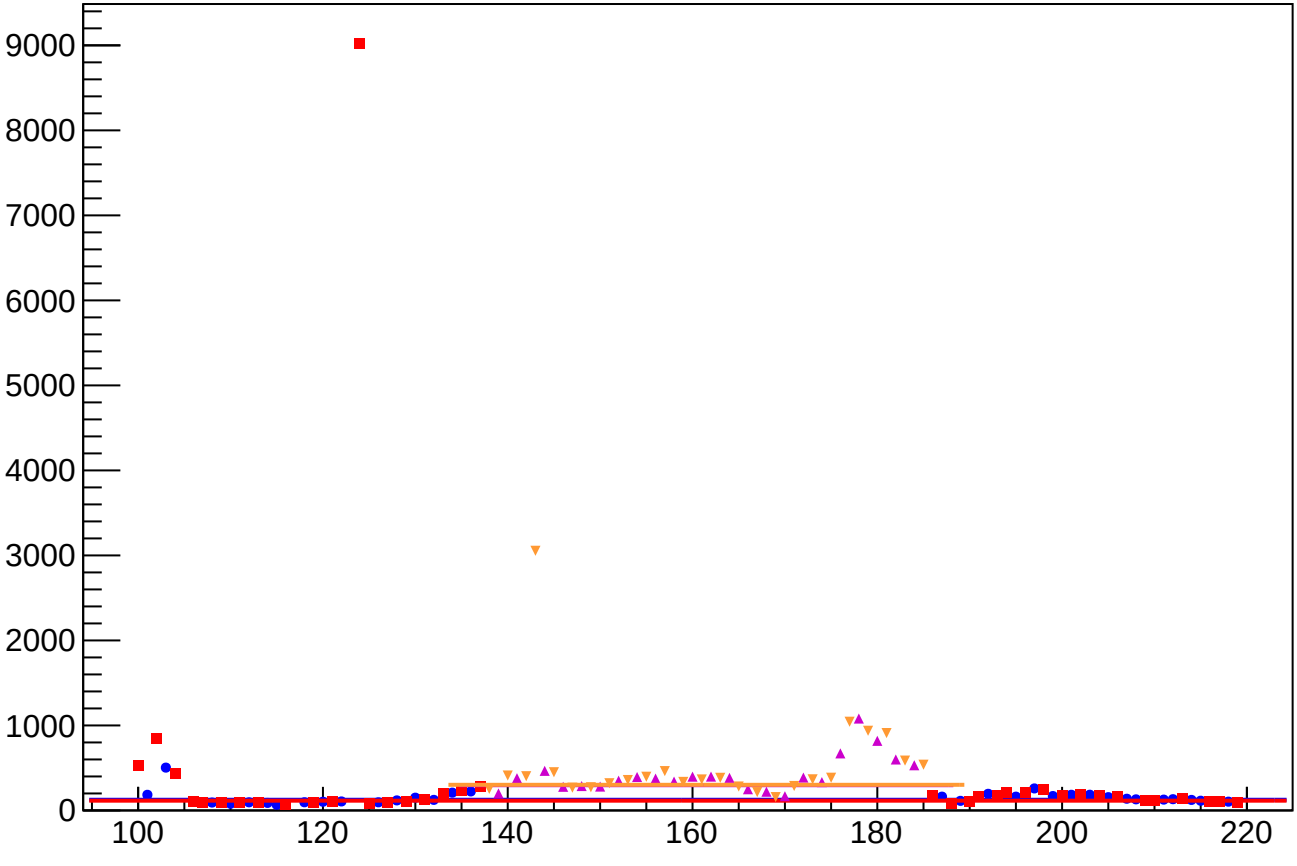
Right: -0.003+/-0.020 χ^2/NDF: 75.1/68

In: 0.038+/-0.028 χ^2/NDF:52.5/54

Out: -0.024+/-0.026 χ^2/NDF:74.9/61

All: 0.004+/-0.019 χ^2/NDF: 130.1/116

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 125.772+/-0.021 χ^2/NDF: 3566083.0/31

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 115.074+/-0.019 χ^2/NDF: 5616484.0/36

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

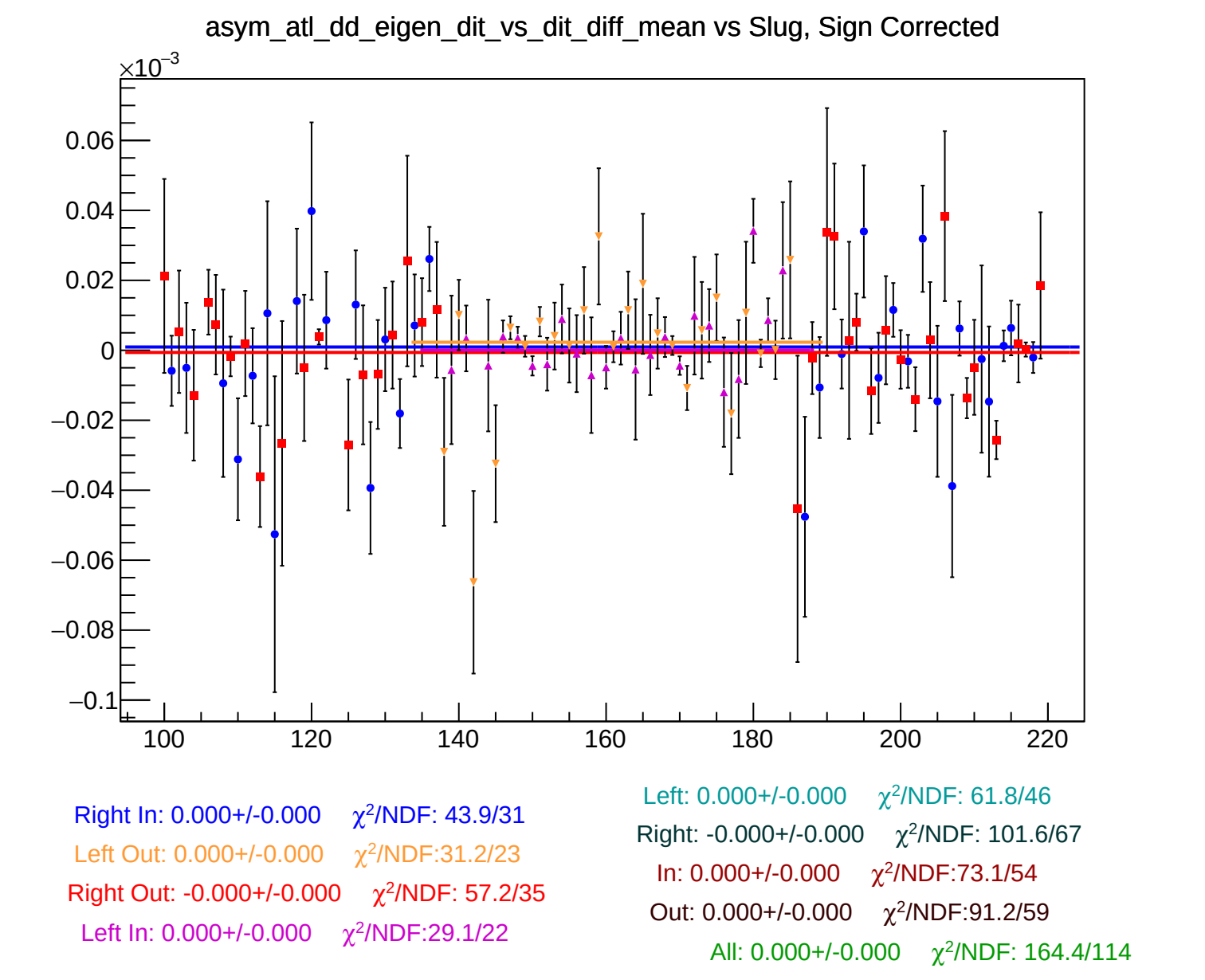
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 119.957+/-0.014 χ^2/NDF: 9320221.4/68

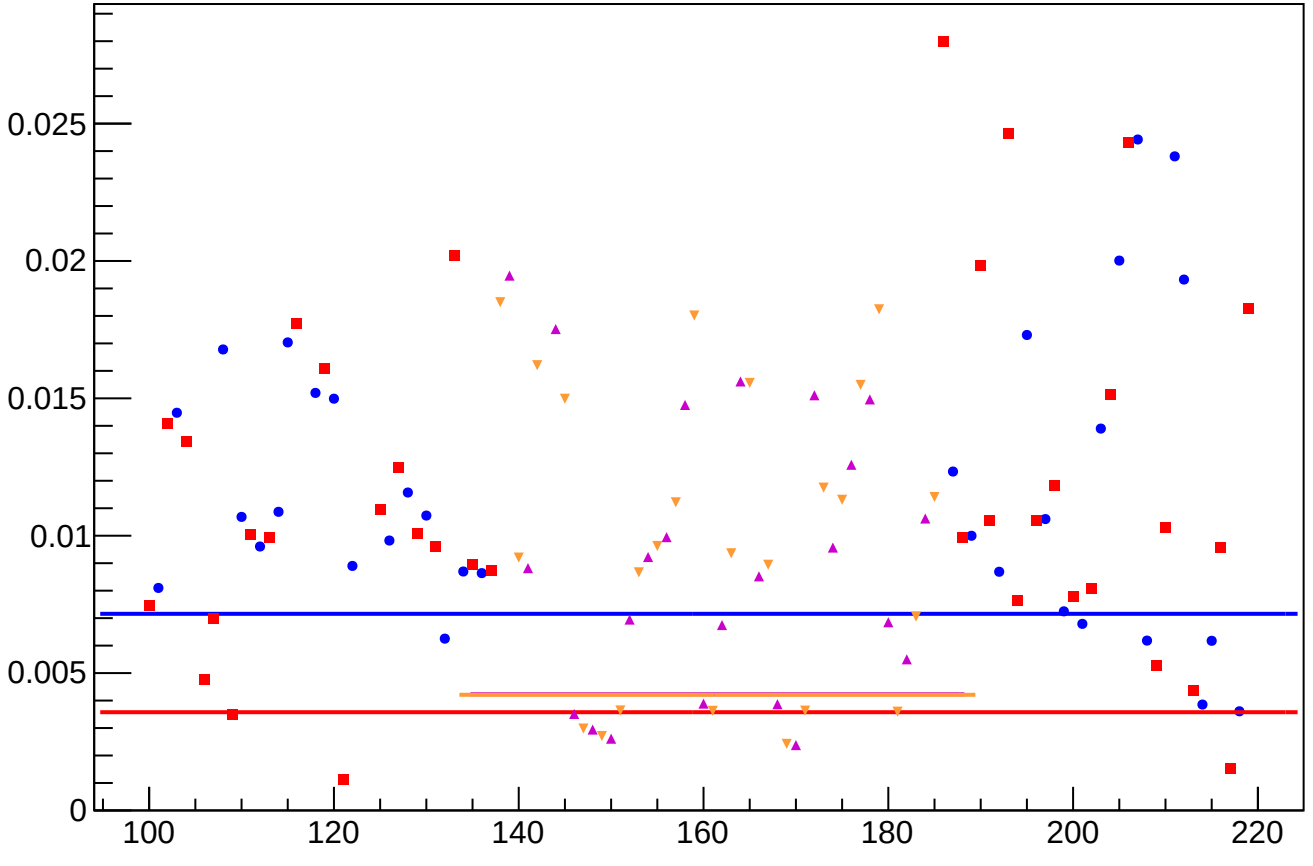
In: 149.063+/-0.020 χ^2/NDF:17301920.0/54

Out: 136.288+/-0.018 χ^2/NDF:22745724.1/61

All: 142.200+/-0.013 χ^2/NDF: 40272220.6/11


asym_atl_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
−0.1
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 43.9/31
Left Out: 0.000+/-0.000 χ²/NDF:31.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 57.2/35
Left In: 0.000+/-0.000 χ²/NDF:29.1/22
Left: 0.000+/-0.000 χ²/NDF: 61.8/46
Right: -0.000+/-0.000 χ²/NDF: 101.6/67
In: 0.000+/-0.000 χ²/NDF:73.1/54
Out: 0.000+/-0.000 χ²/NDF:91.2/59
All: 0.000+/-0.000 χ²/NDF: 164.4/114

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 8544312.3/31

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 20908209.9/35

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

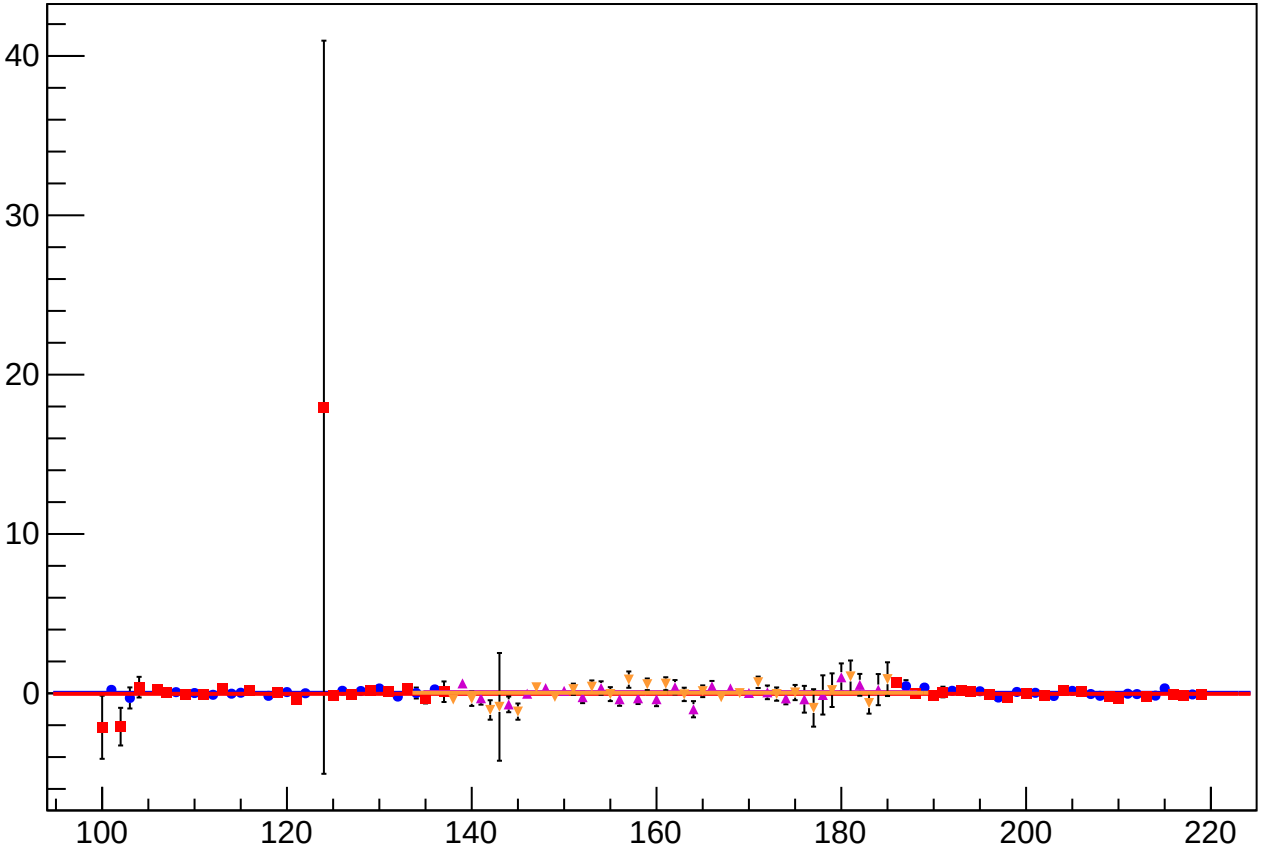
Right: 0.005+/-0.000 χ^2/NDF: 34552221.2/67

In: 0.005+/-0.000 χ^2/NDF:22875057.3/54

Out: 0.004+/-0.000 χ^2/NDF:33254276.5/59

All: 0.004+/-0.000 χ^2/NDF: 57825841.7/114

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.030 χ^2/NDF: 28.1/31

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.032+/-0.028 χ^2/NDF: 44.6/36

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

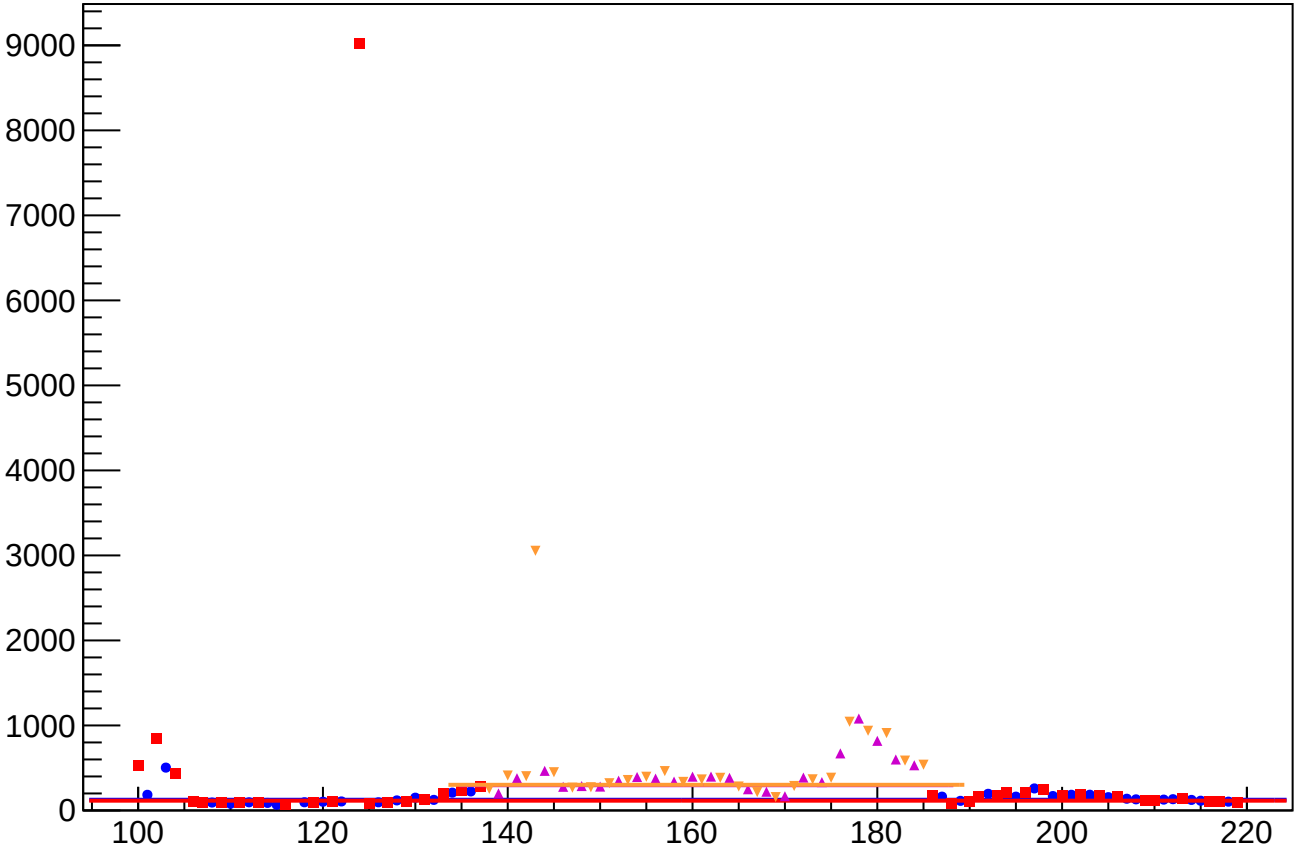
Right: -0.003+/-0.020 χ^2/NDF: 75.1/68

In: 0.038+/-0.028 χ^2/NDF:52.5/54

Out: -0.024+/-0.026 χ^2/NDF:74.9/61

All: 0.004+/-0.019 χ^2/NDF: 130.1/116

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 125.773+/-0.021 χ^2/NDF: 3566066.3/31

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 115.075+/-0.019 χ^2/NDF: 5616370.7/36

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

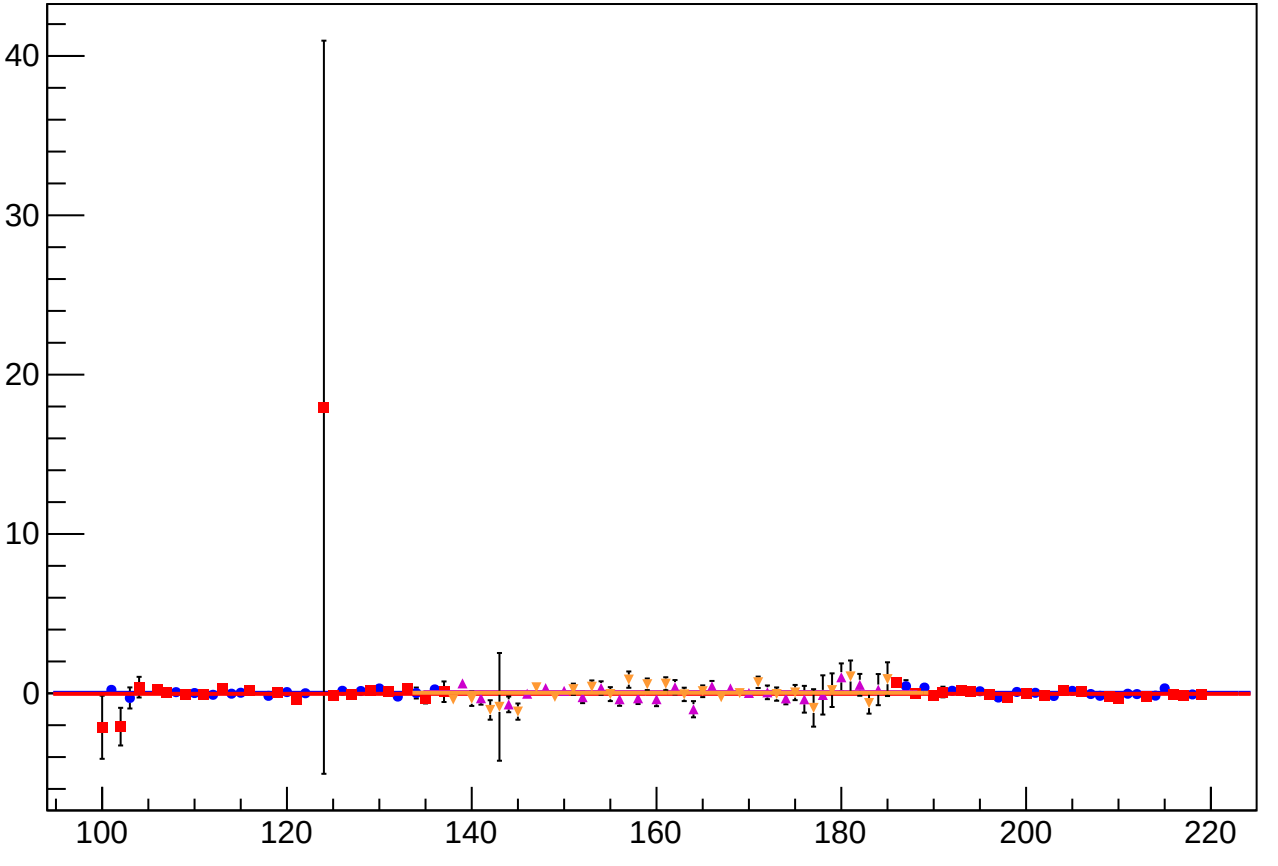
Right: 119.958+/-0.014 χ^2/NDF: 9320080.8/68

In: 149.065+/-0.020 χ^2/NDF:17301908.7/54

Out: 136.289+/-0.018 χ^2/NDF:22745568.0/61

All: 142.201+/-0.013 χ^2/NDF: 40272039.9/11

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.030 χ^2/NDF: 28.1/31

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.032+/-0.028 χ^2/NDF: 44.6/36

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

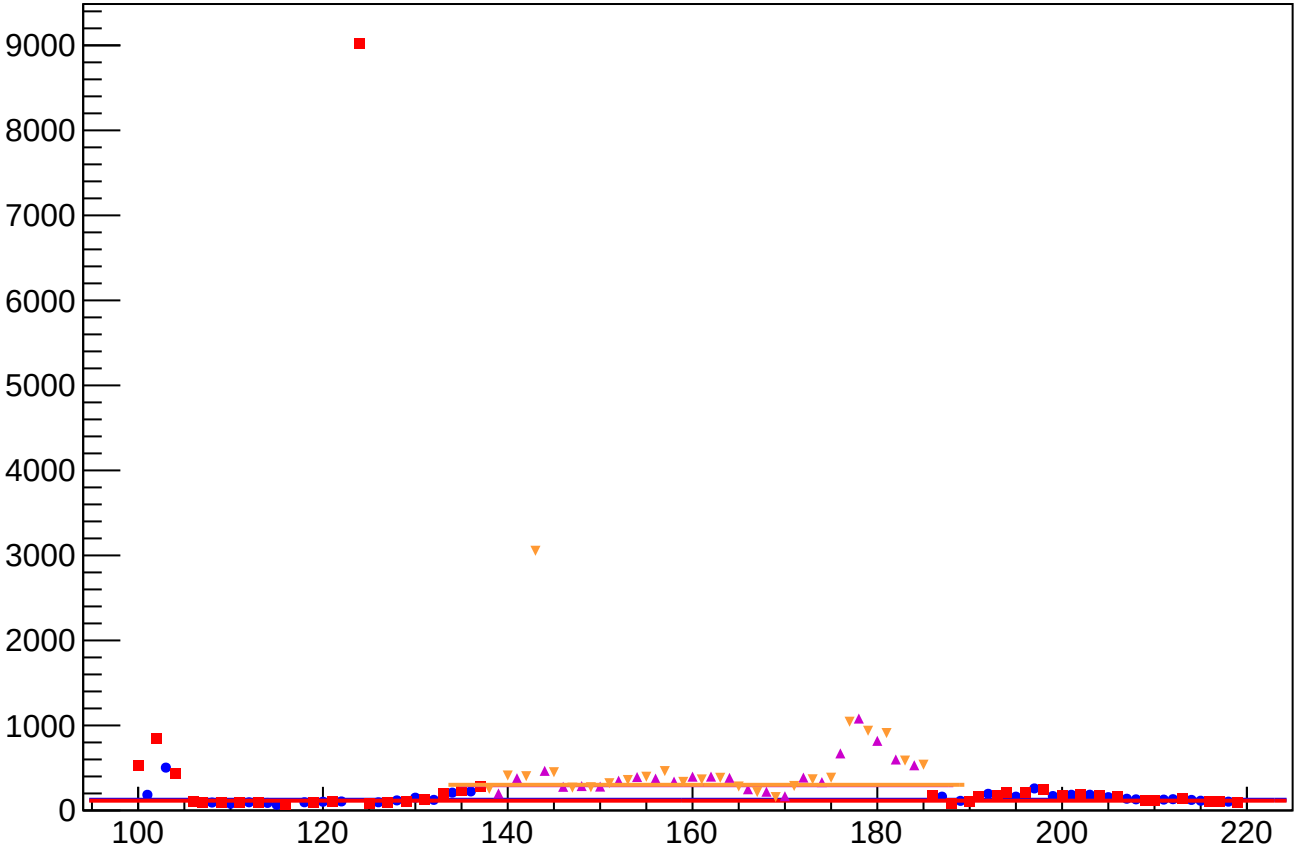
Right: -0.003+/-0.020 χ^2/NDF: 75.1/68

In: 0.038+/-0.028 χ^2/NDF:52.5/54

Out: -0.024+/-0.026 χ^2/NDF:74.9/61

All: 0.004+/-0.019 χ^2/NDF: 130.1/116

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 125.773+/-0.021 χ^2/NDF: 3566066.3/31

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 115.075+/-0.019 χ^2/NDF: 5616370.7/36

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

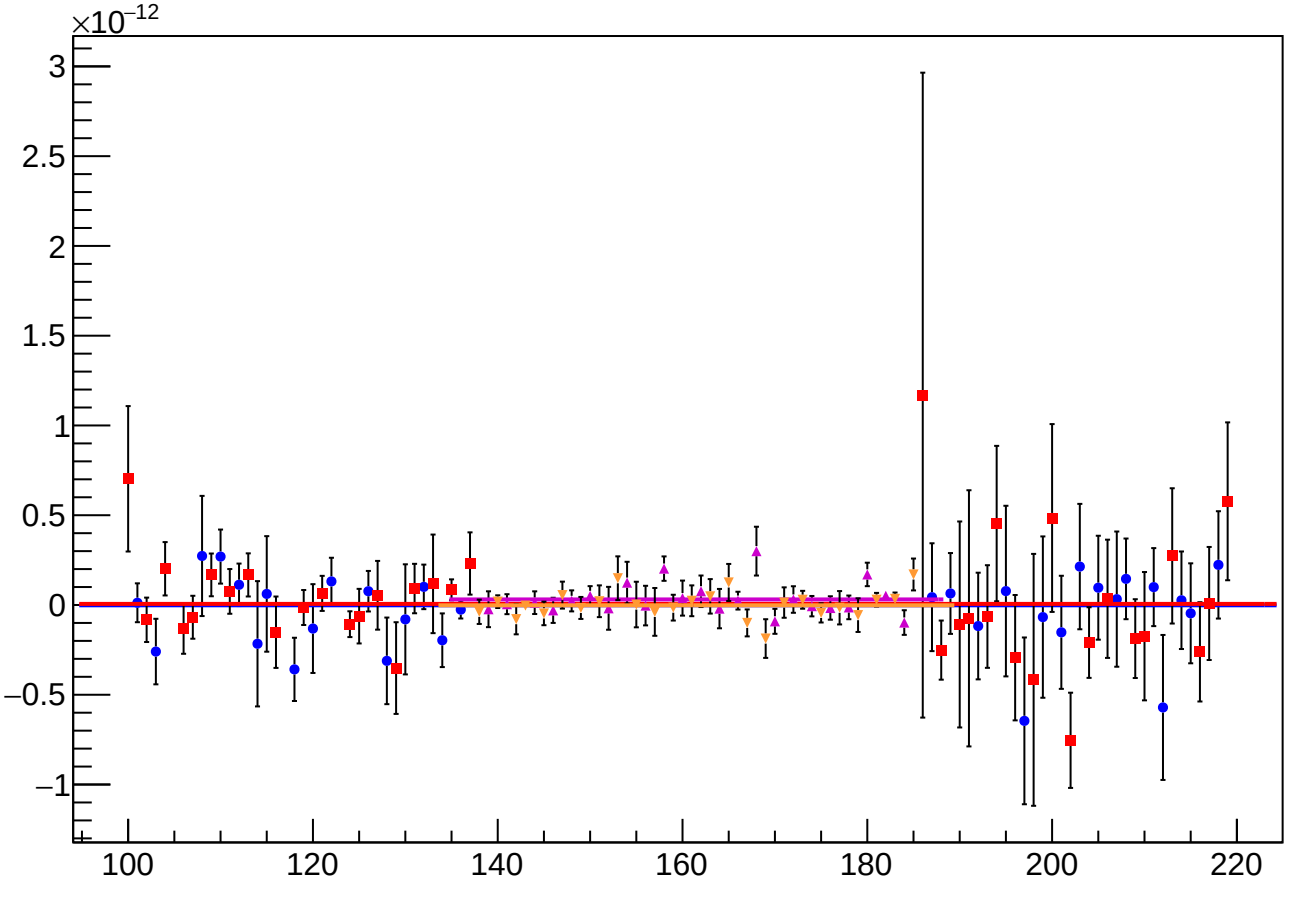
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 119.958+/-0.014 χ^2/NDF: 9320080.8/68

In: 149.065+/-0.020 χ^2/NDF:17301908.7/54

Out: 136.289+/-0.018 χ^2/NDF:22745568.0/61

All: 142.201+/-0.013 χ^2/NDF: 40272039.9/11



Right In: -0.000+/-0.000 χ^2/NDF: 23.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/36

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

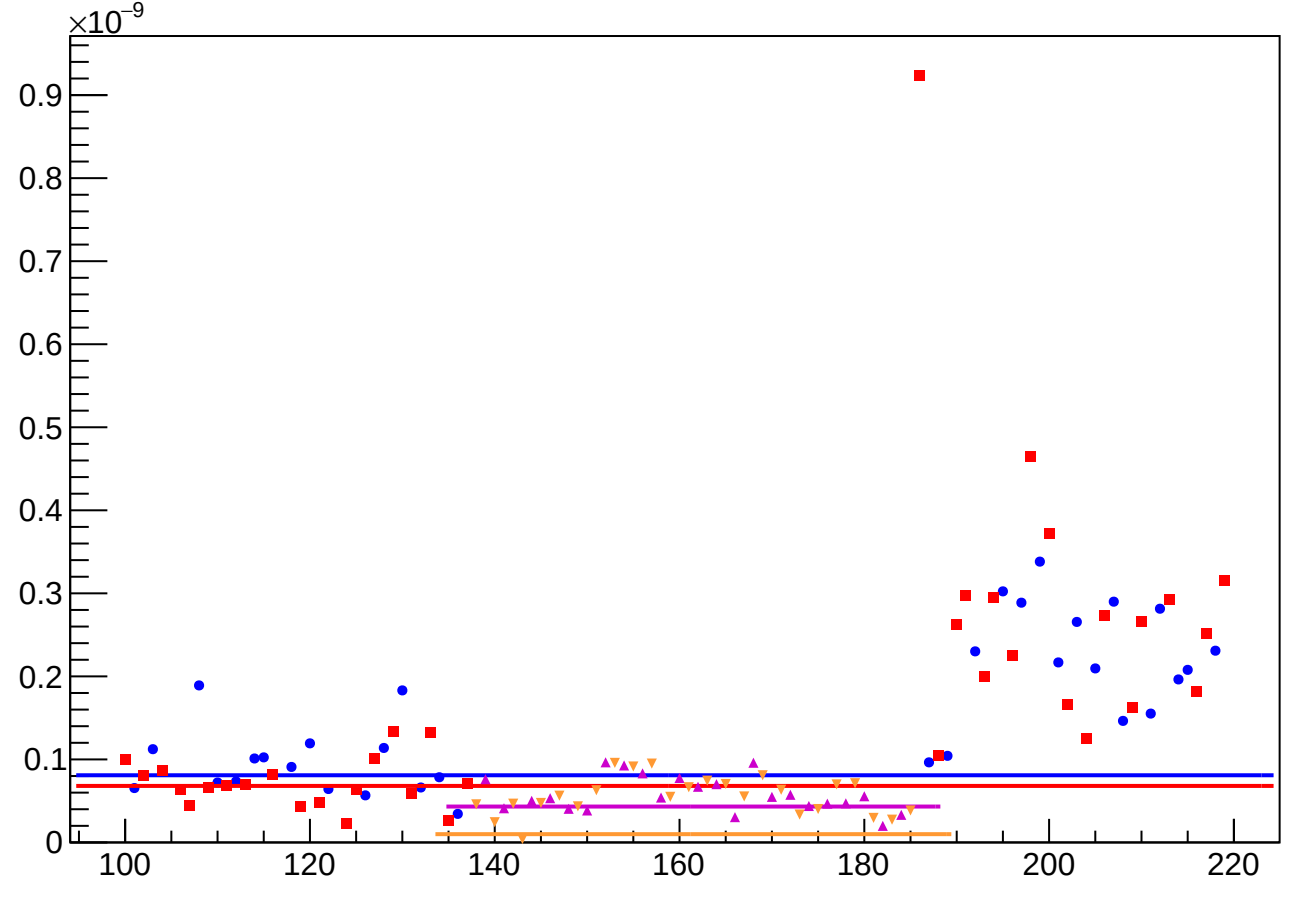
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 63.6/68

In: 0.000+/-0.000 χ^2/NDF:51.1/54

Out: -0.000+/-0.000 χ^2/NDF:57.7/61

All: 0.000+/-0.000 χ^2/NDF: 112.9/116



Right In: 0.000+/-0.000 χ^2/NDF: 8729010.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10717463.9/36

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

Left: 0.000+/-0.000 χ^2/NDF: 33507700.8/47

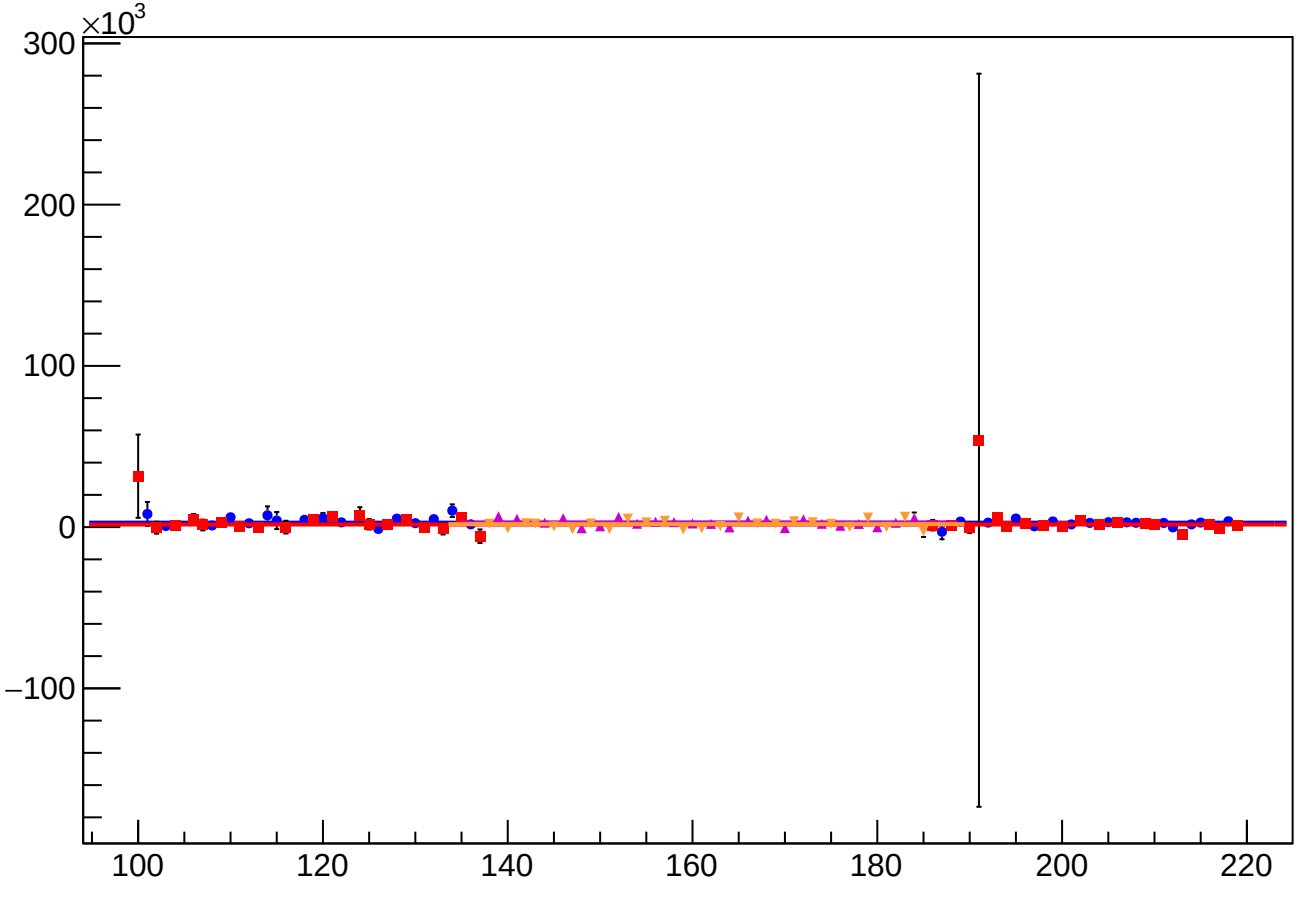
Right: 0.000+/-0.000 χ^2/NDF: 19665600.0/68

In: 0.000+/-0.000 χ^2/NDF:15532883.3/54

Out: 0.000+/-0.000 χ^2/NDF:39214175.5/61

All: 0.000+/-0.000 χ^2/NDF: 71060187.9/116

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2780.193+/-438.434 χ^2/NDF: 18.7/31

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 1605.136+/-427.266 χ^2/NDF: 34.2/36

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

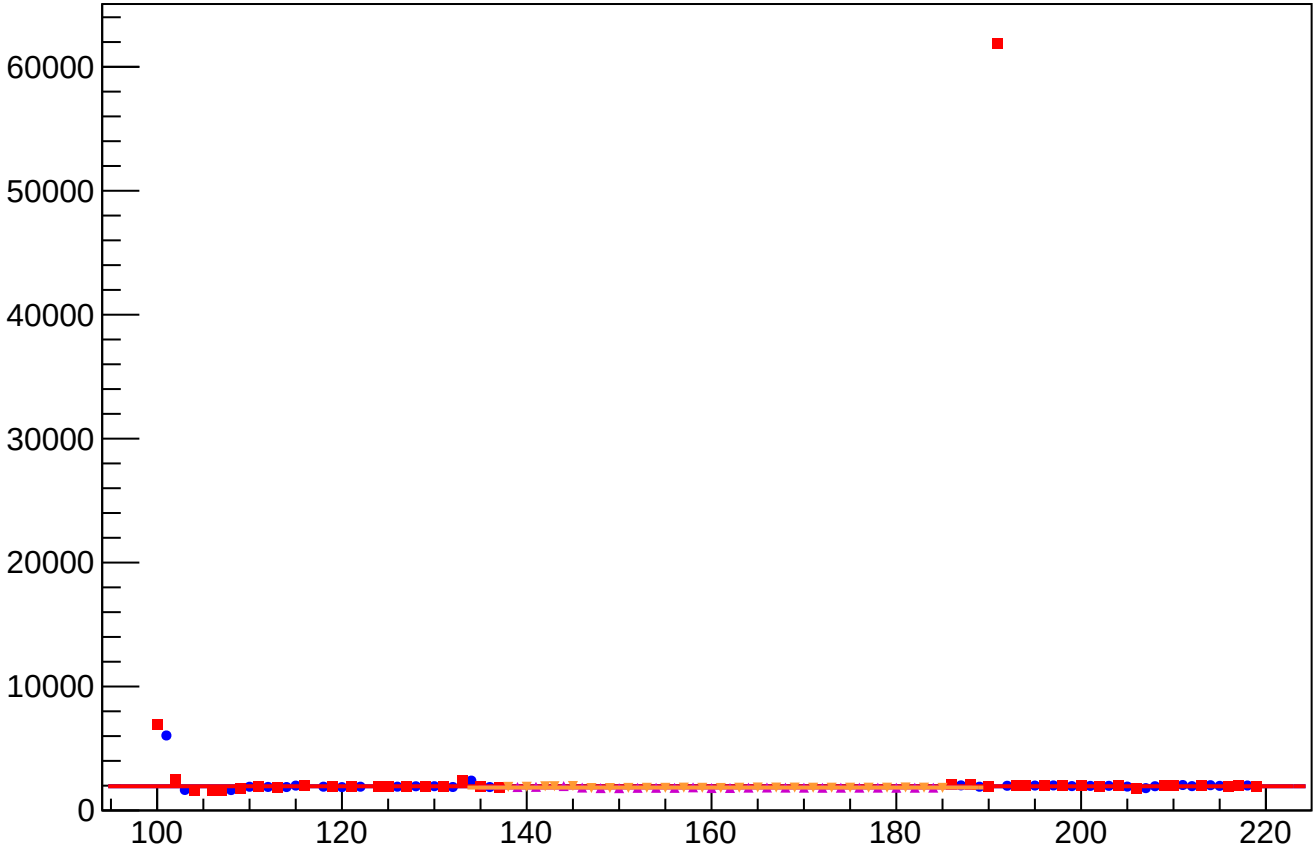
Right: 2177.509+/-305.995 χ^2/NDF: 56.5/68

In: 2777.942+/-307.310 χ^2/NDF:44.1/54

Out: 1730.683+/-299.523 χ^2/NDF:65.8/61

All: 2240.876+/-214.495 χ^2/NDF: 115.9/116

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1953.046+/-0.310 χ^2/NDF: 728706.6/31

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1952.352+/-0.302 χ^2/NDF: 427422.9/36

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

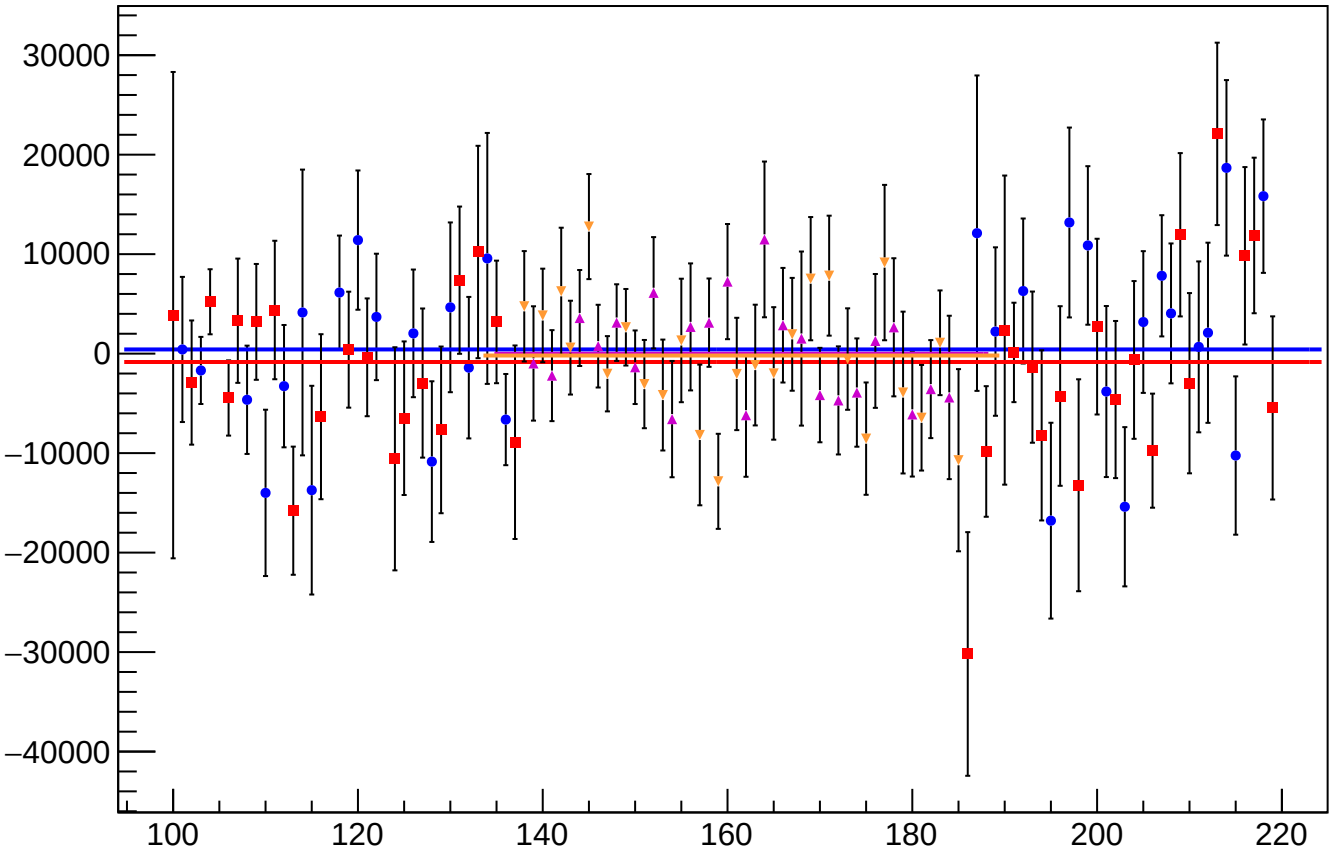
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1952.690+/-0.216 χ^2/NDF: 1156132.0/68

In: 1898.114+/-0.217 χ^2/NDF:804450.9/54

Out: 1899.612+/-0.212 χ^2/NDF:508452.5/61

All: 1898.883+/-0.152 χ^2/NDF: 1312927.8/11



Right In: 421.700+/-1251.107 χ^2/NDF: 39.4/31

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: -840.431+/-1143.383 χ^2/NDF: 43.1/36

Left In: -19.391+/-1112.574 χ^2/NDF:13.7/22

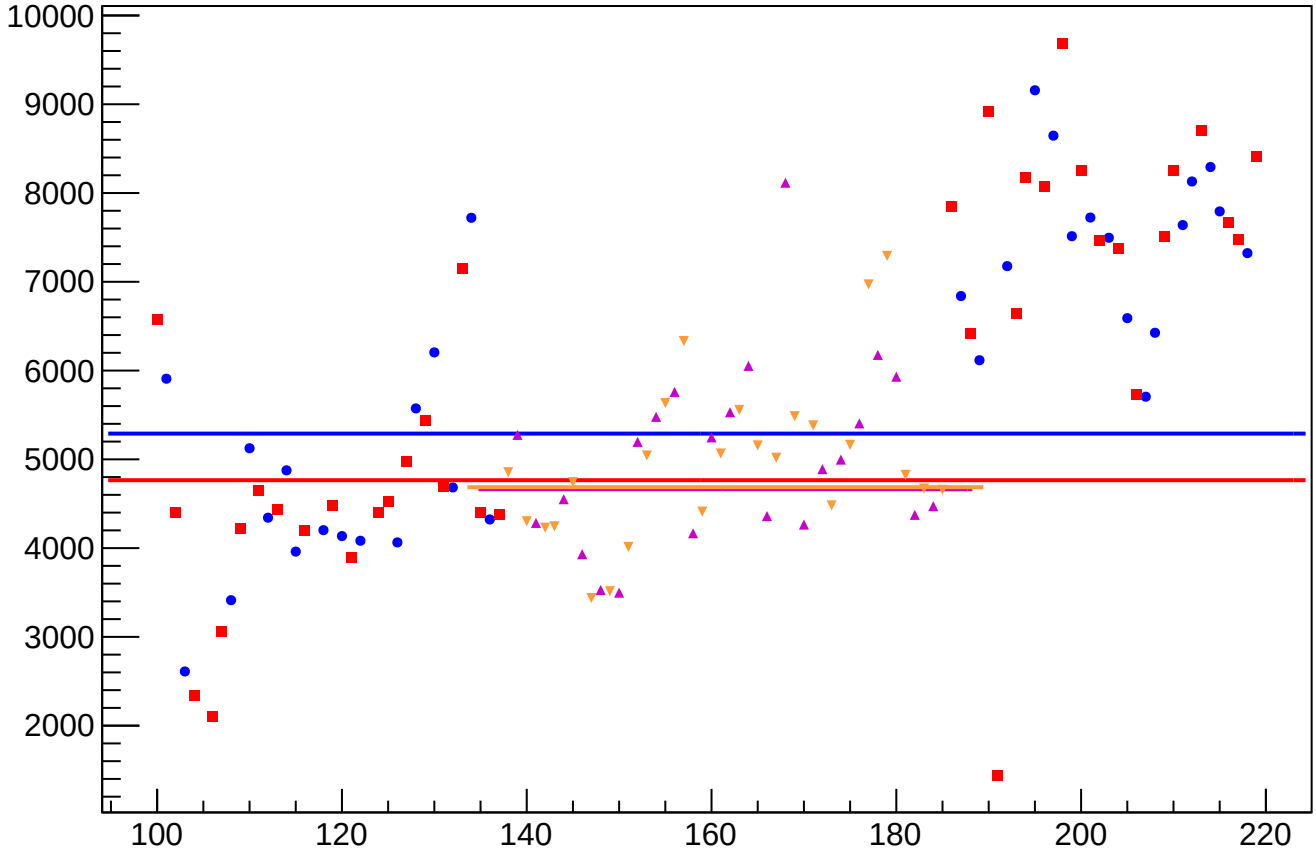
Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

Right: -266.032+/-844.013 χ^2/NDF: 83.1/68

In: 175.391+/-831.390 χ^2/NDF:53.2/54

Out: -498.982+/-788.419 χ^2/NDF:72.2/61

All: -179.673+/-572.085 χ^2/NDF: 125.8/116



Right In: 5289.934+/-0.885 χ^2/NDF: 4310641.3/31

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4765.174+/-0.808 χ^2/NDF: 7360750.1/36

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

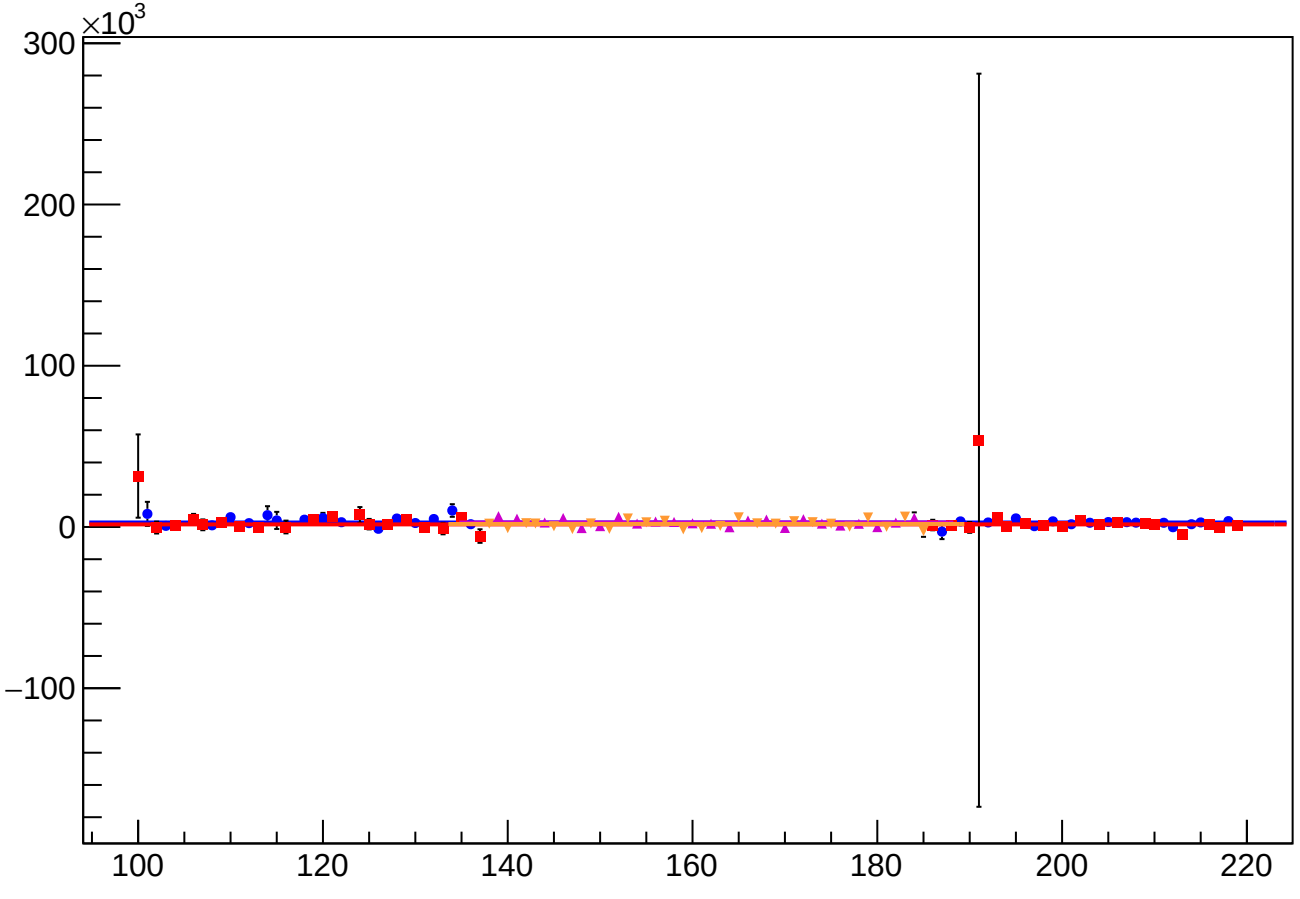
Right: 5003.993+/-0.597 χ^2/NDF: 11863116.0/68

In: 4940.001+/-0.588 χ^2/NDF:5877562.3/54

Out: 4723.831+/-0.557 χ^2/NDF:8550799.0/61

All: 4826.185+/-0.405 χ^2/NDF: 14499550.8/1

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2779.940+/-438.434 χ^2/NDF: 18.7/31

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 1605.573+/-427.267 χ^2/NDF: 34.2/36

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

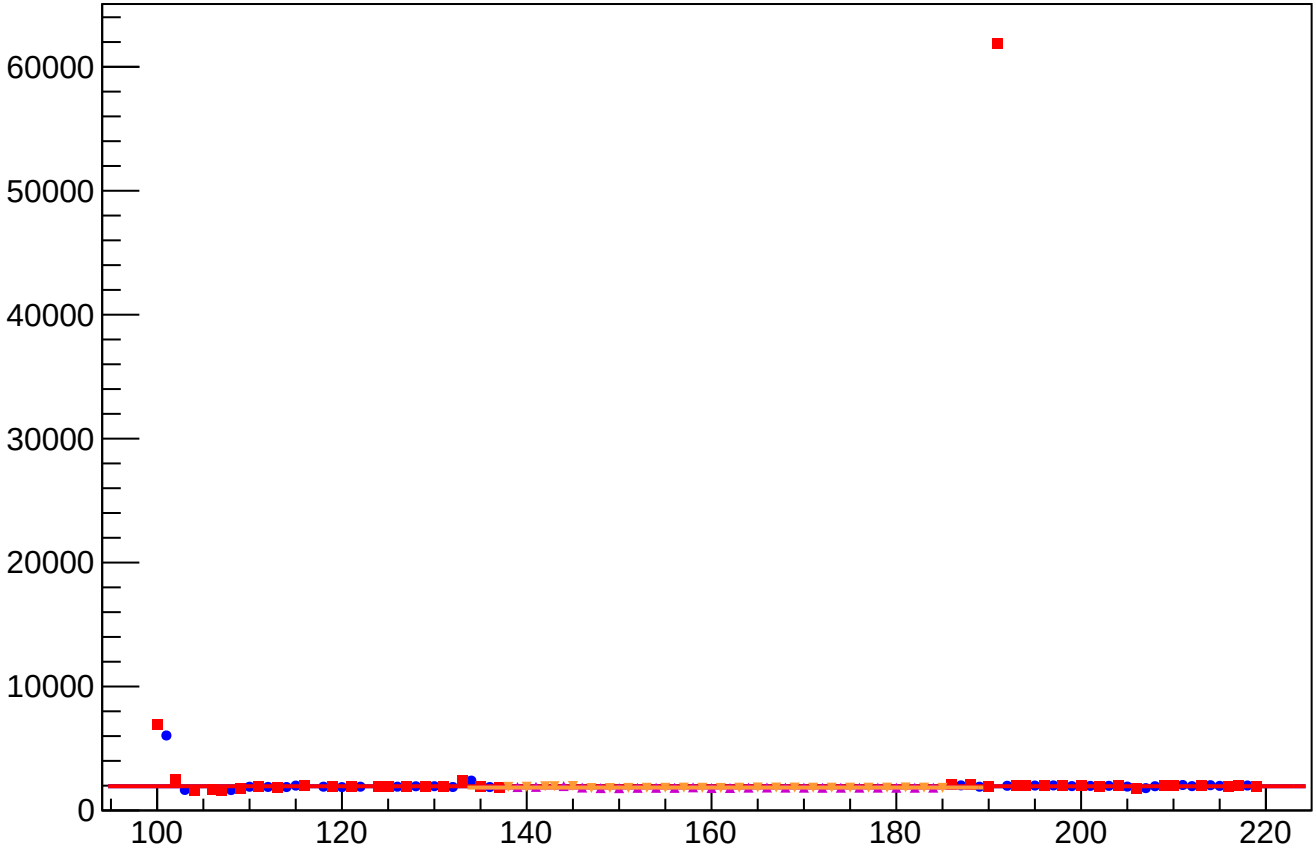
Right: 2177.611+/-305.995 χ^2/NDF: 56.5/68

In: 2777.806+/-307.310 χ^2/NDF:44.1/54

Out: 1730.841+/-299.523 χ^2/NDF:65.9/61

All: 2240.891+/-214.495 χ^2/NDF: 115.9/116

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1953.046+/-0.310 χ^2/NDF: 728705.6/31

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1953.879+/-0.302 χ^2/NDF: 418981.2/36

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

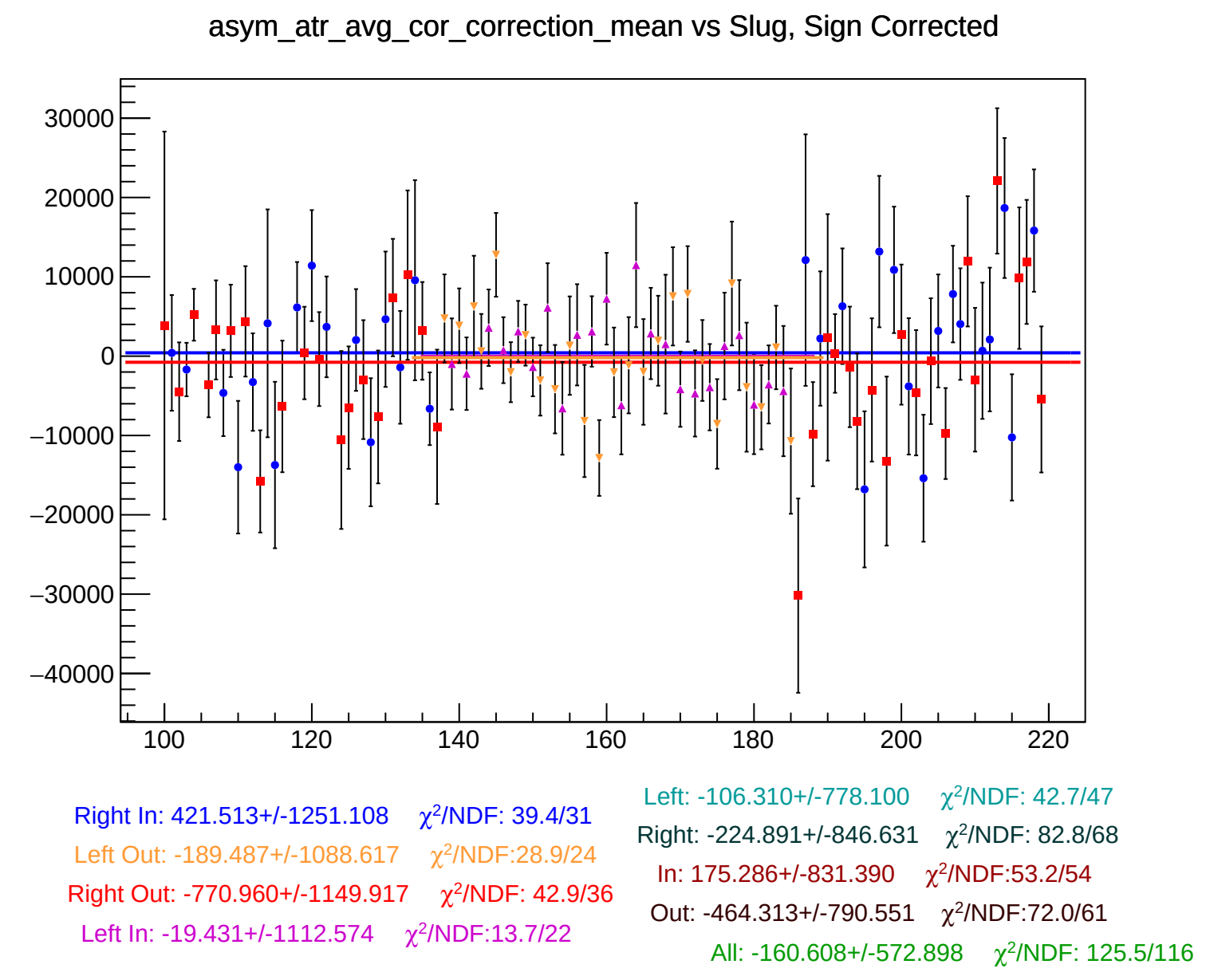
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

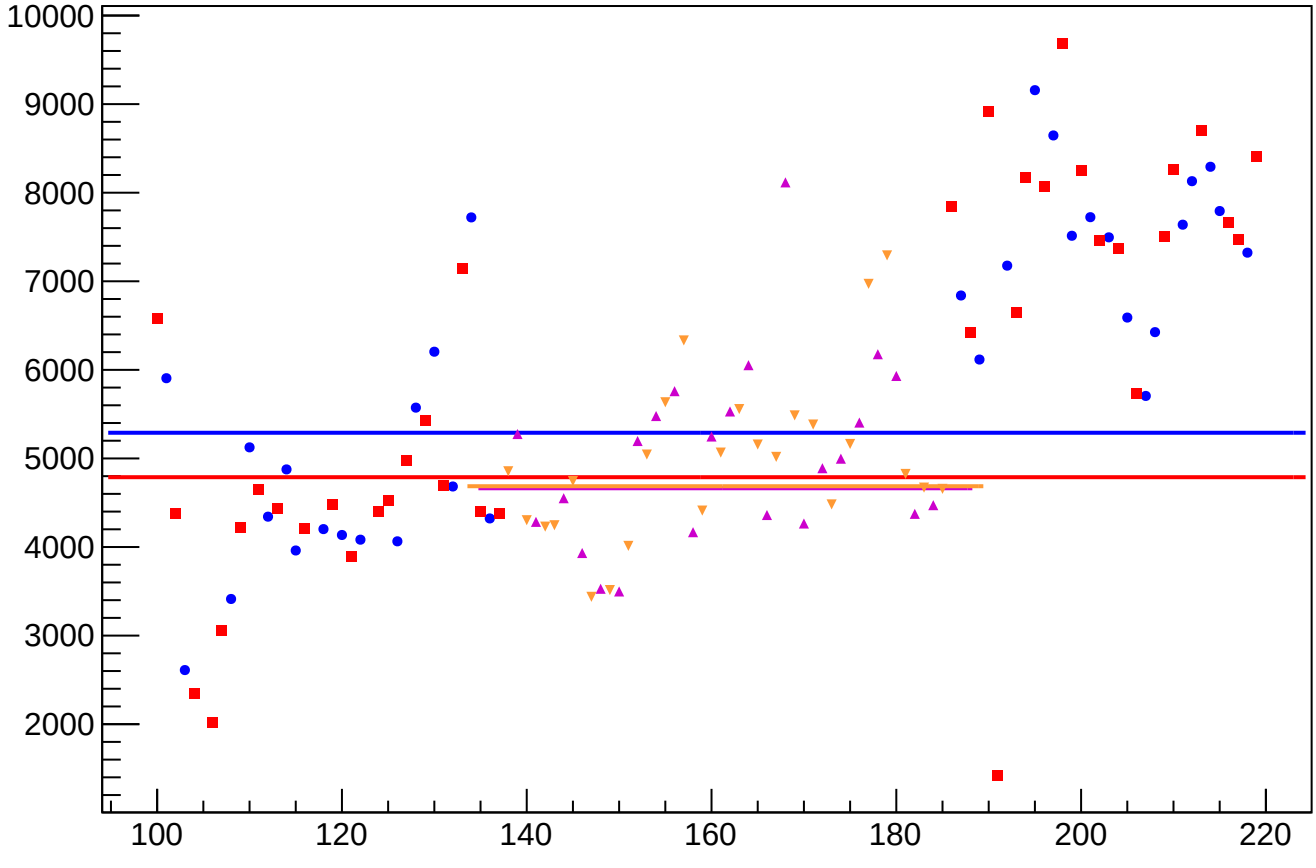
Right: 1953.474+/-0.216 χ^2/NDF: 1147690.5/68

In: 1898.114+/-0.217 χ^2/NDF:804450.1/54

Out: 1900.328+/-0.212 χ^2/NDF:501749.5/61

All: 1899.250+/-0.152 χ^2/NDF: 1306252.9/11


asym_atr_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: 421.513+/-1251.108 χ²/NDF: 39.4/31
Left Out: -189.487+/-1088.617 χ²/NDF:28.9/24
Right Out: -770.960+/-1149.917 χ²/NDF: 42.9/36
Left In: -19.431+/-1112.574 χ²/NDF:13.7/22
Left: -106.310+/-778.100 χ²/NDF: 42.7/47
Right: -224.891+/-846.631 χ²/NDF: 82.8/68
In: 175.286+/-831.390 χ²/NDF:53.2/54
Out: -464.313+/-790.551 χ²/NDF:72.0/61
All: -160.608+/-572.898 χ²/NDF: 125.5/116



Right In: 5289.994+/-0.885 χ^2/NDF: 4309961.5/31

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4788.277+/-0.813 χ^2/NDF: 7297255.4/36

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

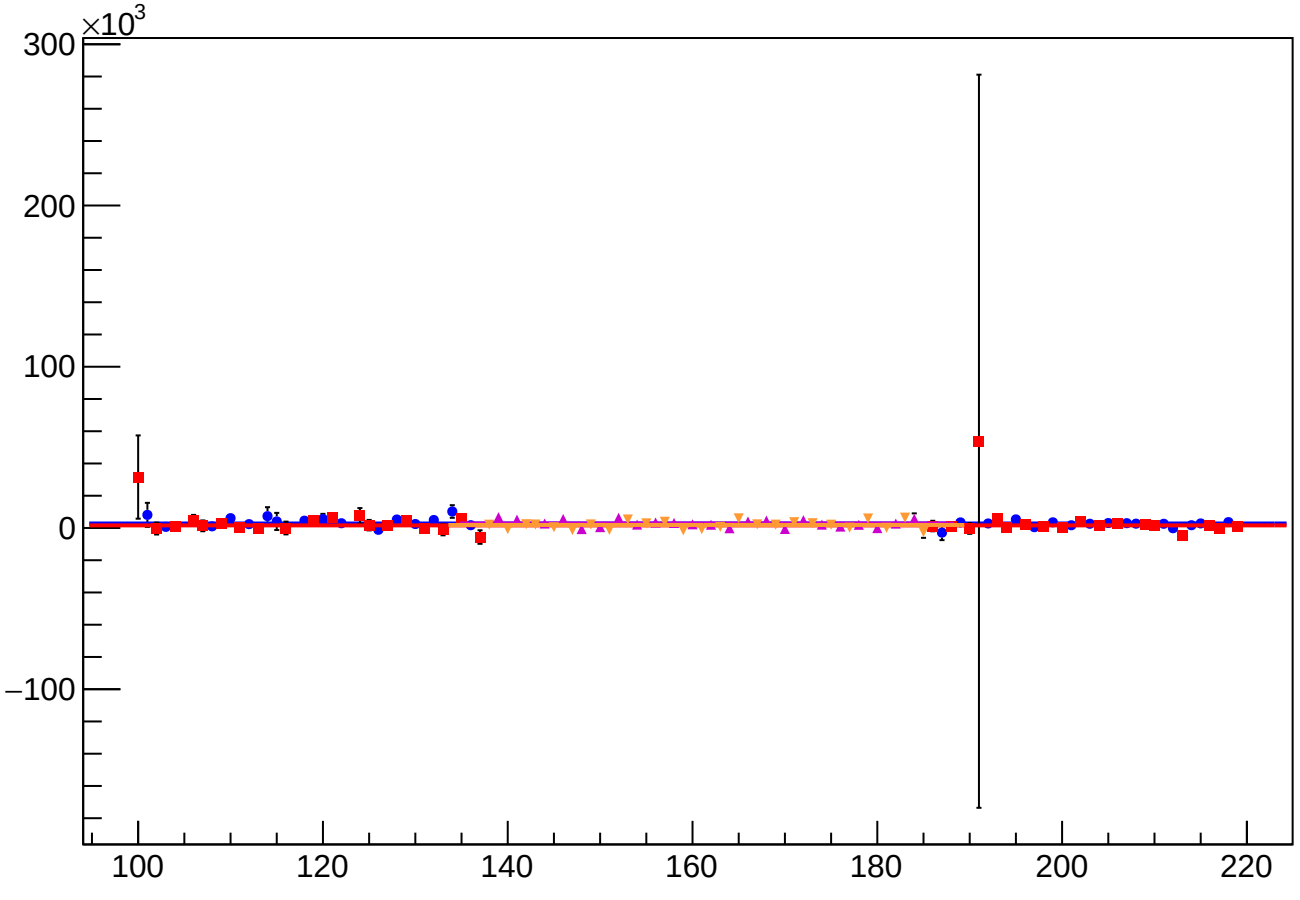
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 5018.027+/-0.599 χ^2/NDF: 11781563.7/68

In: 4940.028+/-0.588 χ^2/NDF:5876930.6/54

Out: 4734.522+/-0.559 χ^2/NDF:8490631.9/61

All: 4832.104+/-0.405 χ^2/NDF: 14431736.6/1



Right In: 2779.940+/-438.434 χ^2/NDF: 18.7/31

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 1605.573+/-427.267 χ^2/NDF: 34.2/36

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

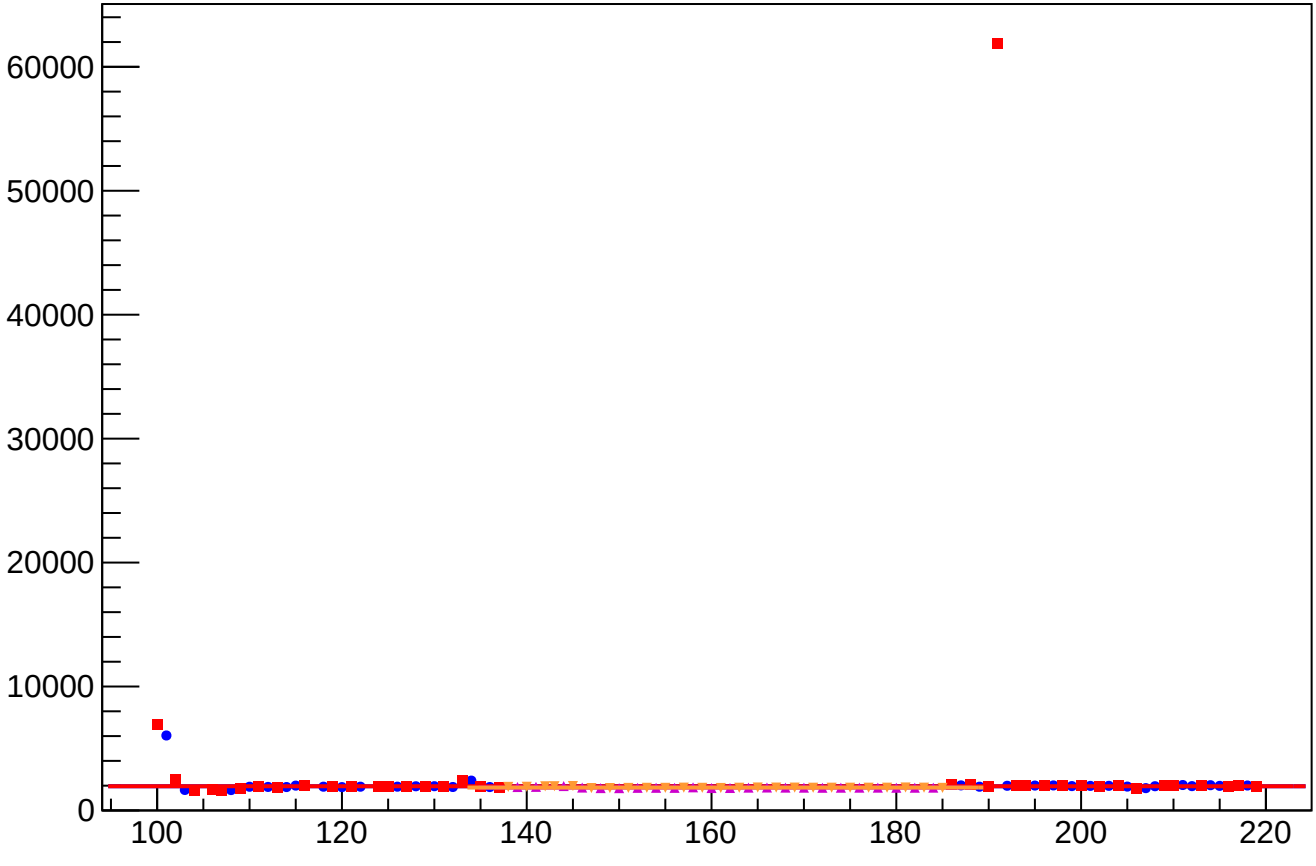
Right: 2177.611+/-305.995 χ^2/NDF: 56.5/68

In: 2777.806+/-307.310 χ^2/NDF:44.1/54

Out: 1730.841+/-299.523 χ^2/NDF:65.9/61

All: 2240.891+/-214.495 χ^2/NDF: 115.9/116

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1953.046+/-0.310 χ^2/NDF: 728705.6/31

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1953.879+/-0.302 χ^2/NDF: 418981.2/36

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

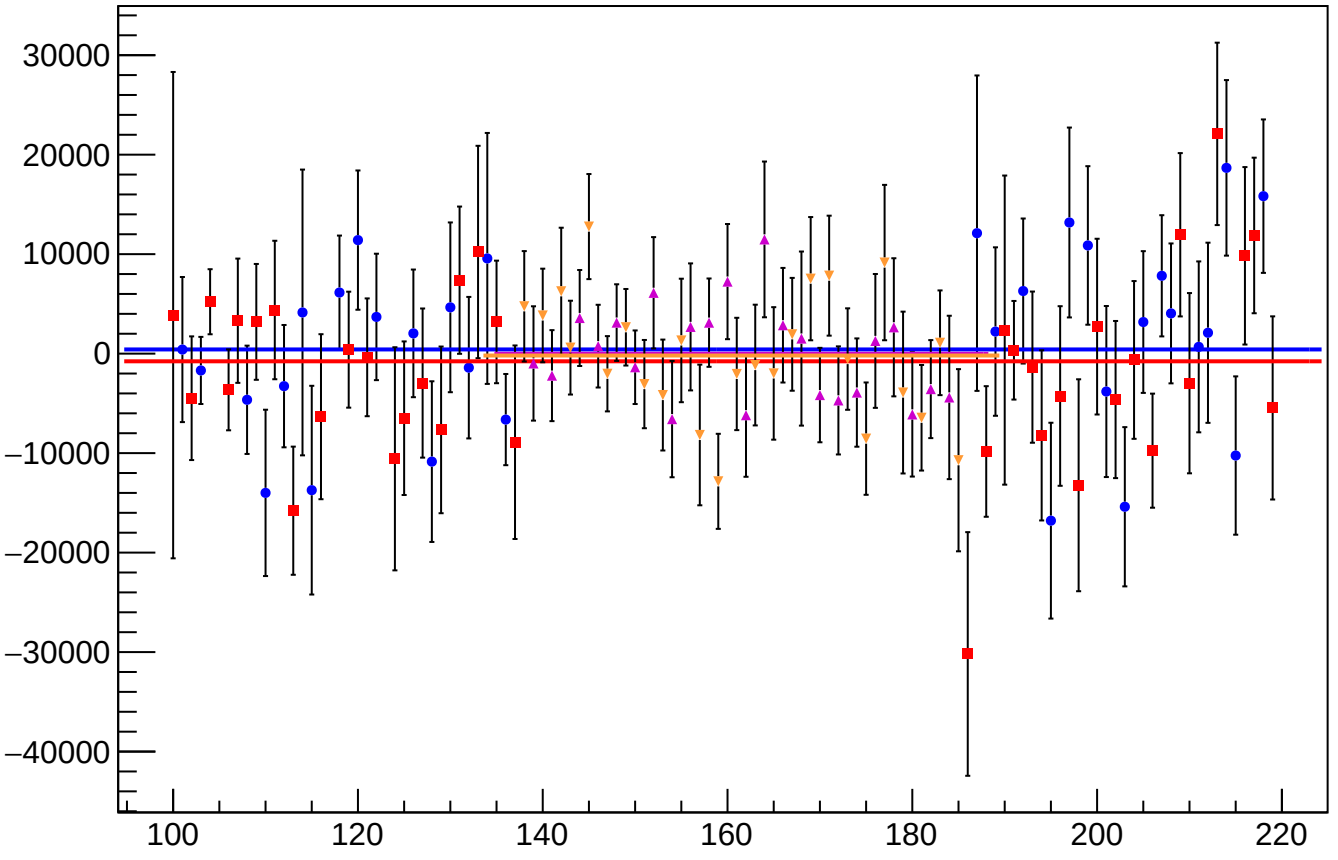
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1953.474+/-0.216 χ^2/NDF: 1147690.5/68

In: 1898.114+/-0.217 χ^2/NDF:804450.1/54

Out: 1900.328+/-0.212 χ^2/NDF:501749.5/61

All: 1899.250+/-0.152 χ^2/NDF: 1306252.9/11



Right In: 421.513+/-1251.108 χ^2/NDF: 39.4/31

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -770.960+/-1149.917 χ^2/NDF: 42.9/36

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

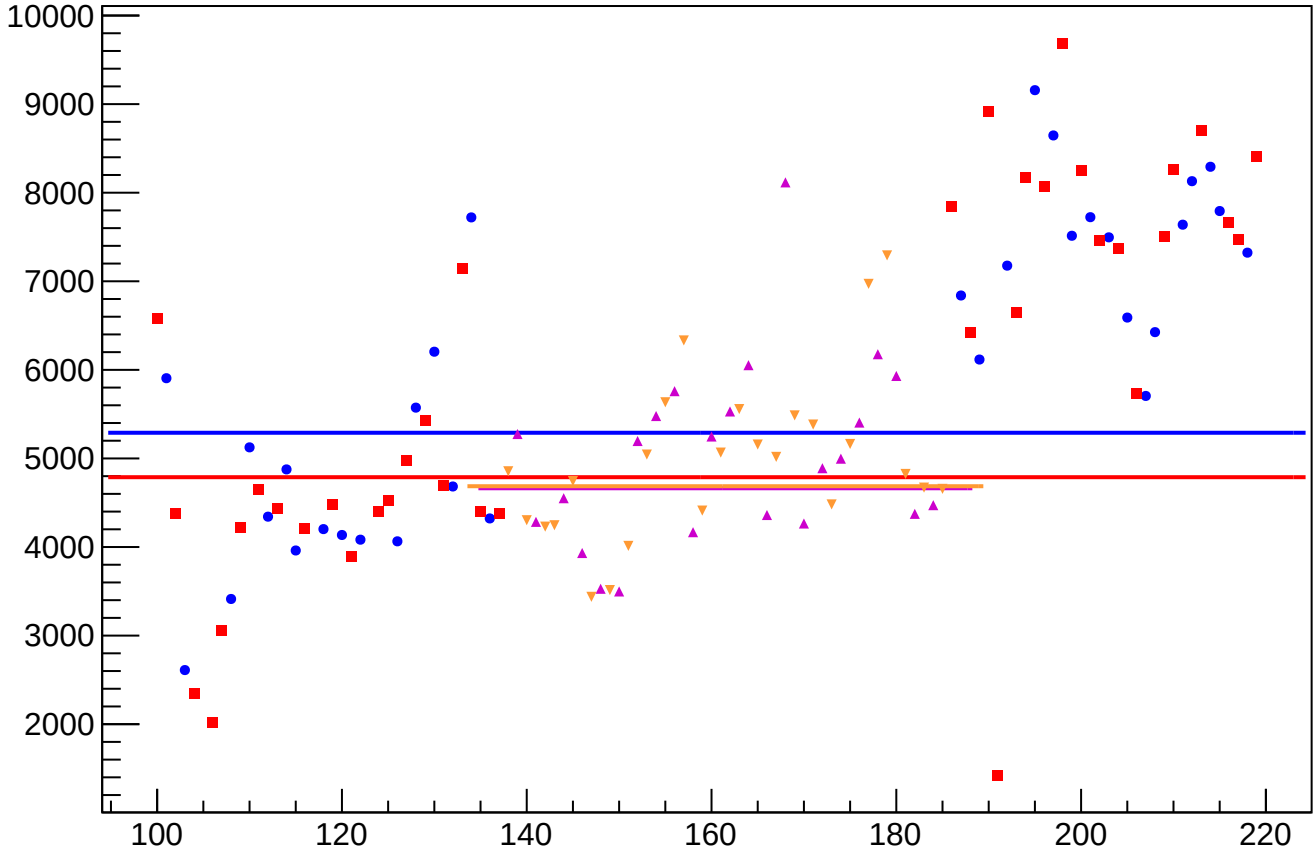
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -224.891+/-846.631 χ^2/NDF: 82.8/68

In: 175.286+/-831.390 χ^2/NDF:53.2/54

Out: -464.313+/-790.551 χ^2/NDF:72.0/61

All: -160.608+/-572.898 χ^2/NDF: 125.5/116



Right In: 5289.994+/-0.885 χ^2/NDF: 4309961.5/31

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4788.277+/-0.813 χ^2/NDF: 7297255.4/36

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

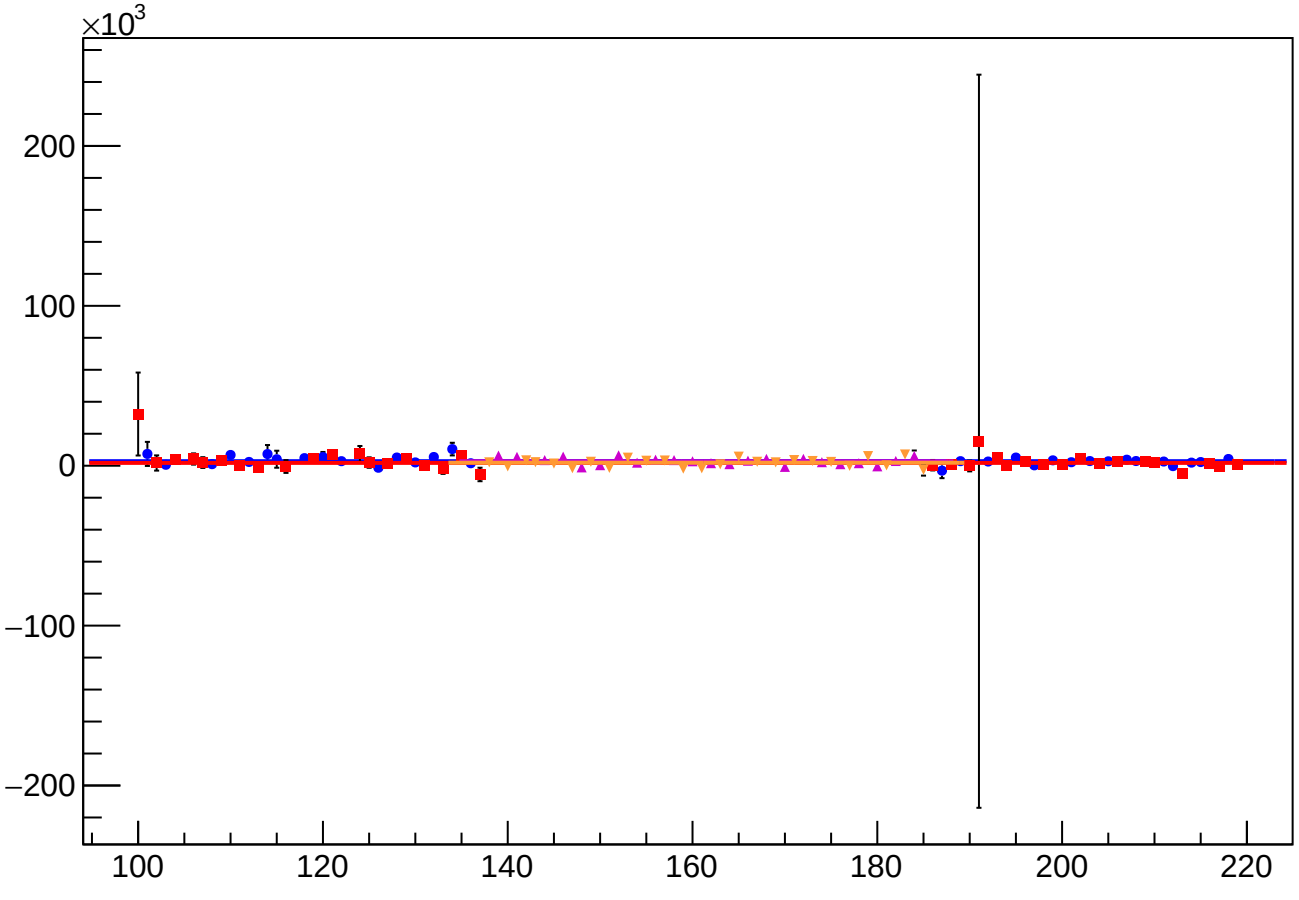
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 5018.027+/-0.599 χ^2/NDF: 11781563.7/68

In: 4940.028+/-0.588 χ^2/NDF:5876930.6/54

Out: 4734.522+/-0.559 χ^2/NDF:8490631.9/61

All: 4832.104+/-0.405 χ^2/NDF: 14431736.6/1



Right In: 2834.624+/-446.232 χ^2/NDF: 19.4/31

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 1775.530+/-435.643 χ^2/NDF: 35.7/36

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

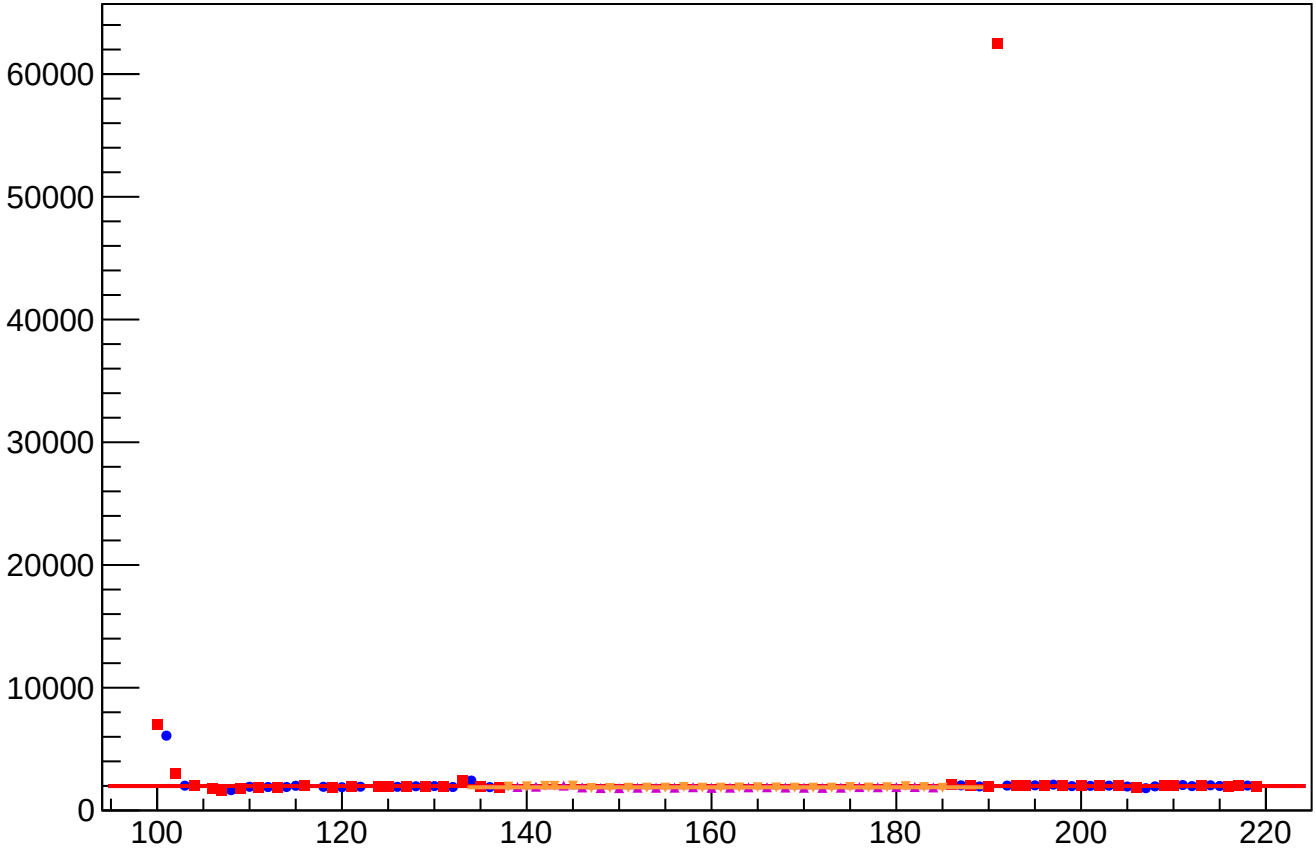
Right: 2292.361+/-311.723 χ^2/NDF: 58.1/68

In: 2816.243+/-313.030 χ^2/NDF:44.9/54

Out: 1829.041+/-305.663 χ^2/NDF:68.7/61

All: 2310.888+/-218.695 χ^2/NDF: 118.7/116

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1988.379+/-0.316 χ^2/NDF: 695774.3/31

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1989.061+/-0.308 χ^2/NDF: 437218.2/36

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

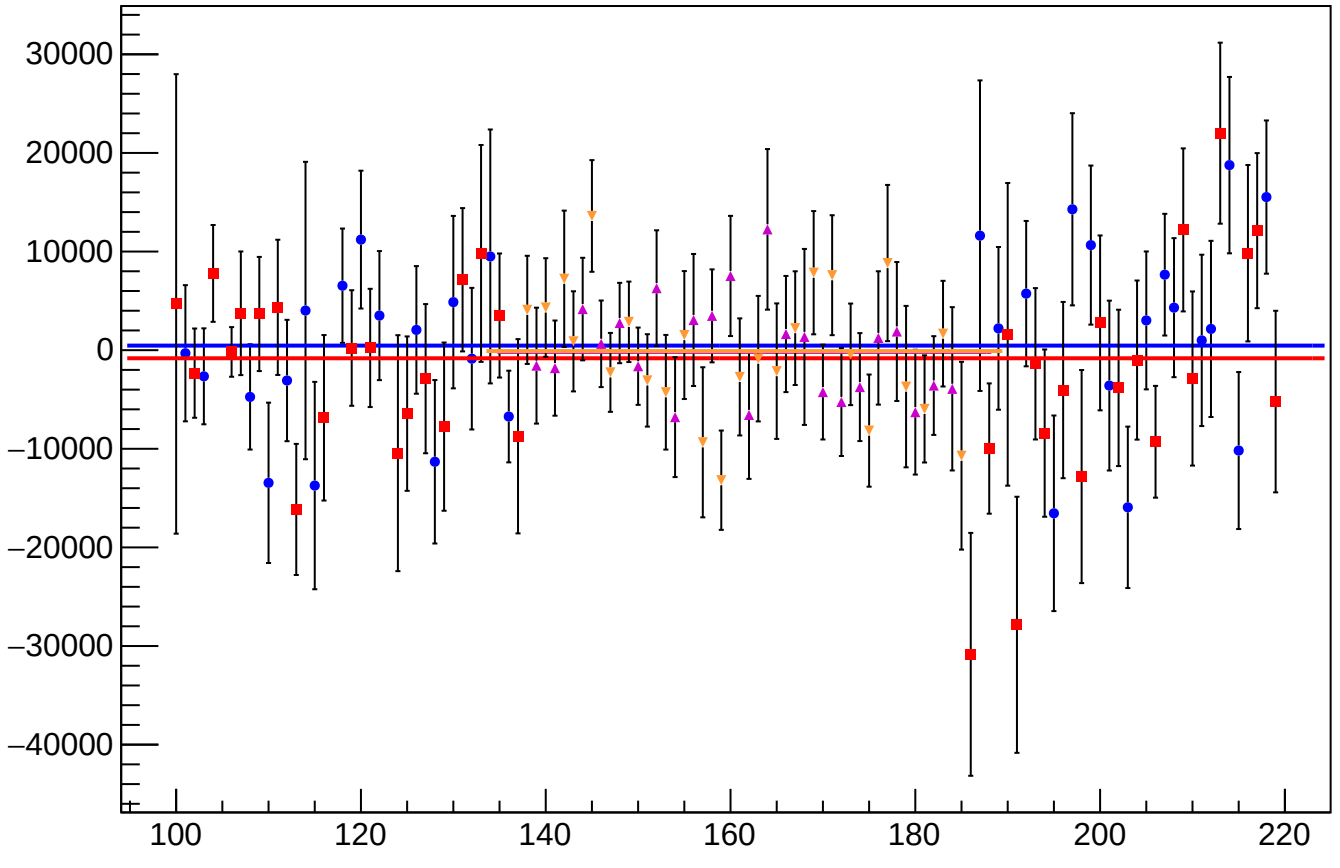
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

Right: 1988.728+/-0.220 χ^2/NDF: 1132994.9/68

In: 1933.625+/-0.221 χ^2/NDF:774099.1/54

Out: 1937.537+/-0.216 χ^2/NDF:524328.8/61

All: 1935.628+/-0.155 χ^2/NDF: 1298587.8/11



Right In: 462.919+/-1302.736 χ^2/NDF: 38.9/31

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: -821.937+/-1129.113 χ^2/NDF: 46.1/36

Left In: -177.137+/-1156.061 χ^2/NDF:13.5/22

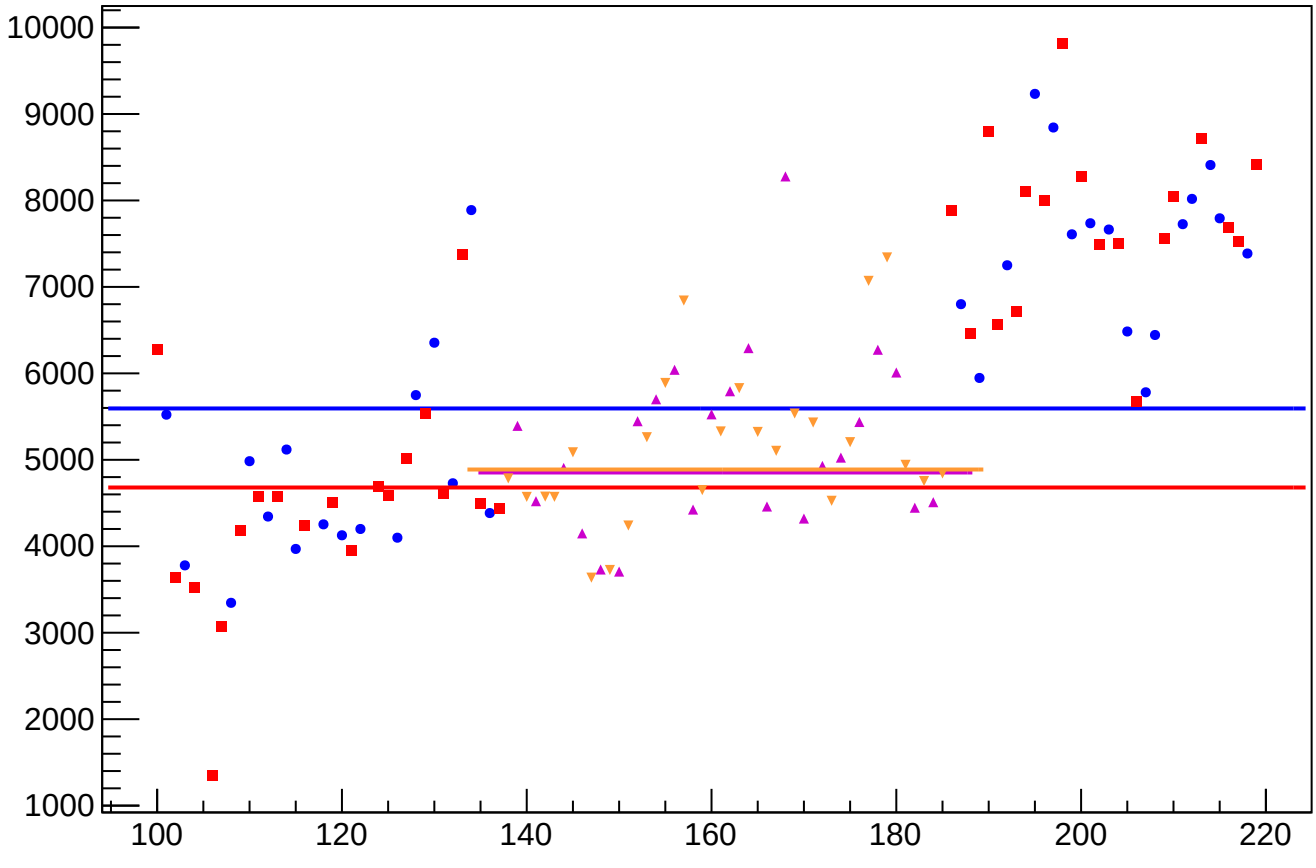
Left: -133.663+/-809.267 χ^2/NDF: 41.6/47

Right: -270.777+/-853.234 χ^2/NDF: 85.5/68

In: 104.845+/-864.685 χ^2/NDF:52.5/54

Out: -458.243+/-799.856 χ^2/NDF:74.4/61

All: -198.596+/-587.166 χ^2/NDF: 127.1/116



Right In: 5594.012+/-0.921 χ^2/NDF: 3186368.7/31

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4679.746+/-0.798 χ^2/NDF: 8356573.1/36

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

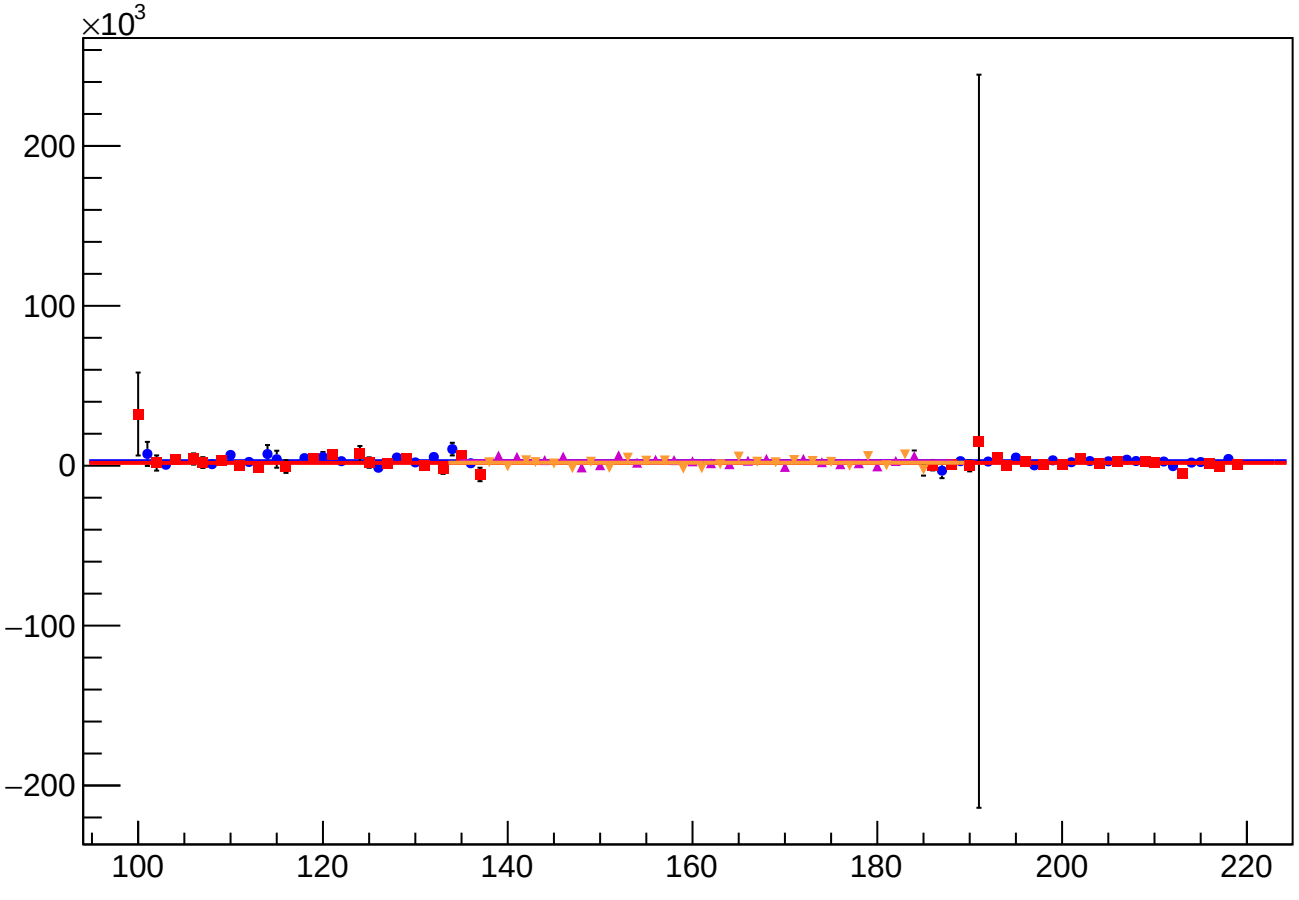
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 5071.936+/-0.603 χ^2/NDF: 12105443.8/68

In: 5179.662+/-0.611 χ^2/NDF:4726662.9/54

Out: 4783.405+/-0.566 χ^2/NDF:9453708.3/61

All: 4966.124+/-0.415 χ^2/NDF: 14406713.5/1



Right In: 2834.620+/-446.232 χ^2/NDF: 19.4/31

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 1775.531+/-435.643 χ^2/NDF: 35.7/36

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

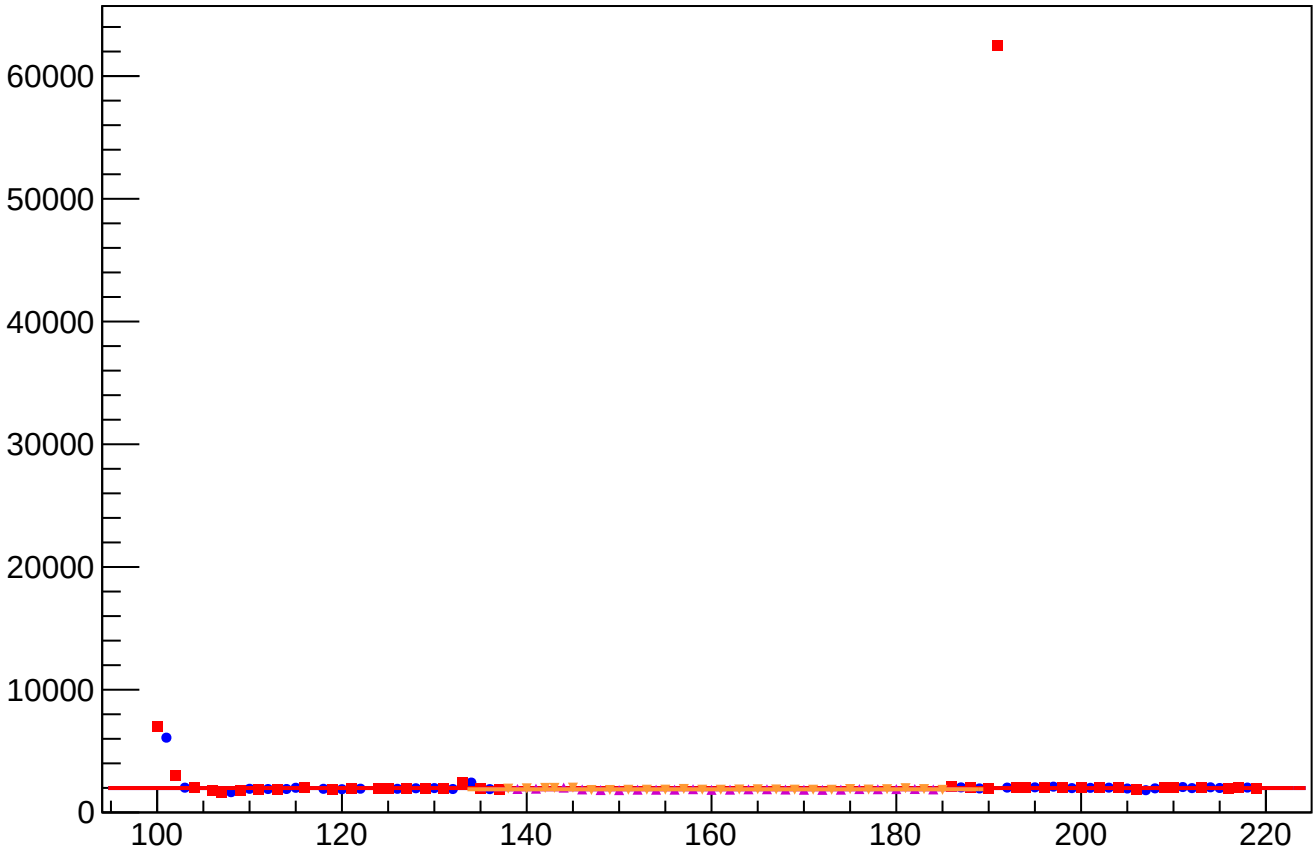
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2292.359+/-311.723 χ^2/NDF: 58.1/68

In: 2816.241+/-313.030 χ^2/NDF:44.9/54

Out: 1829.038+/-305.663 χ^2/NDF:68.7/61

All: 2310.886+/-218.695 χ^2/NDF: 118.7/116



Right In: 1988.379+/-0.316 χ^2/NDF: 695774.5/31

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1989.061+/-0.308 χ^2/NDF: 437217.7/36

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

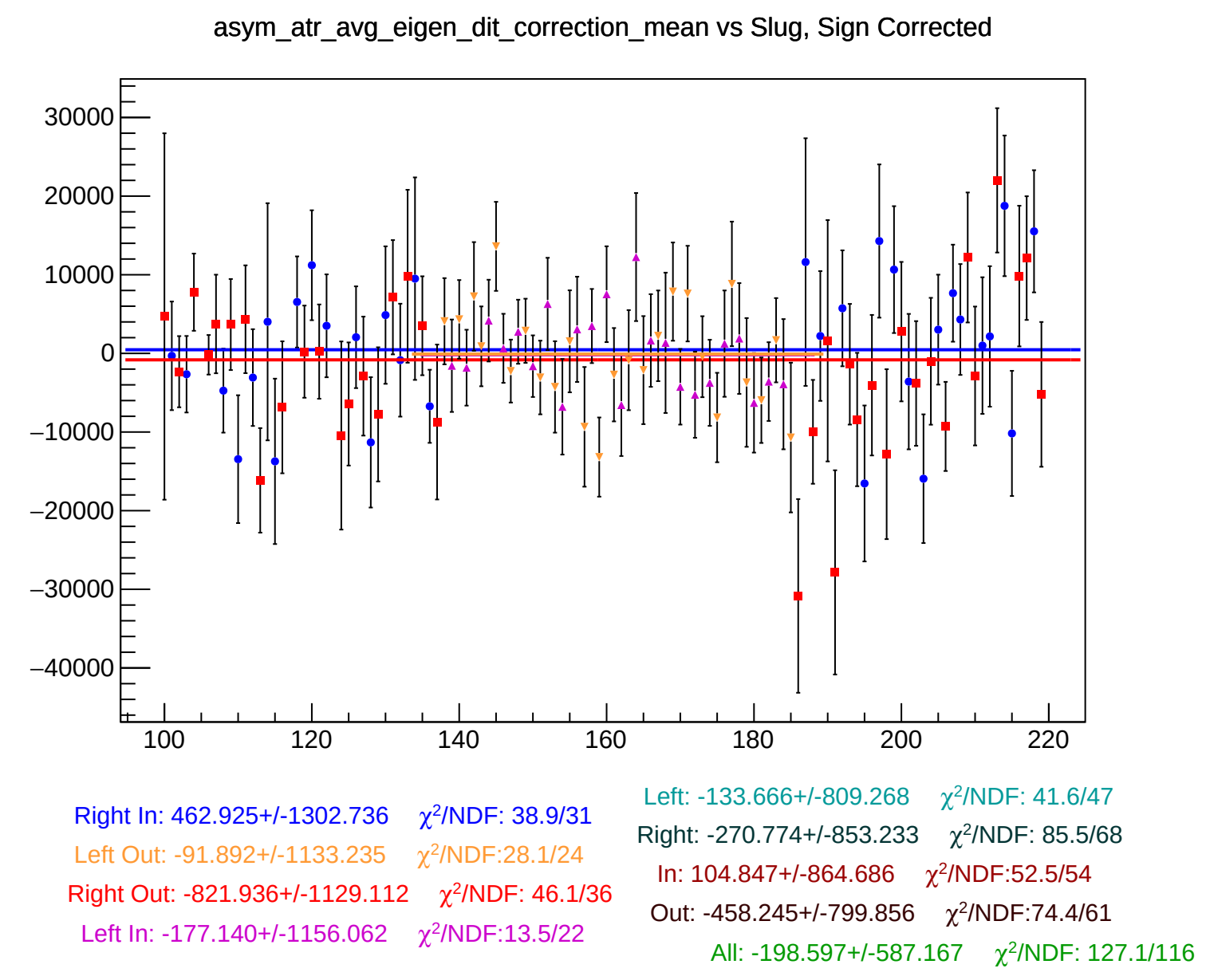
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

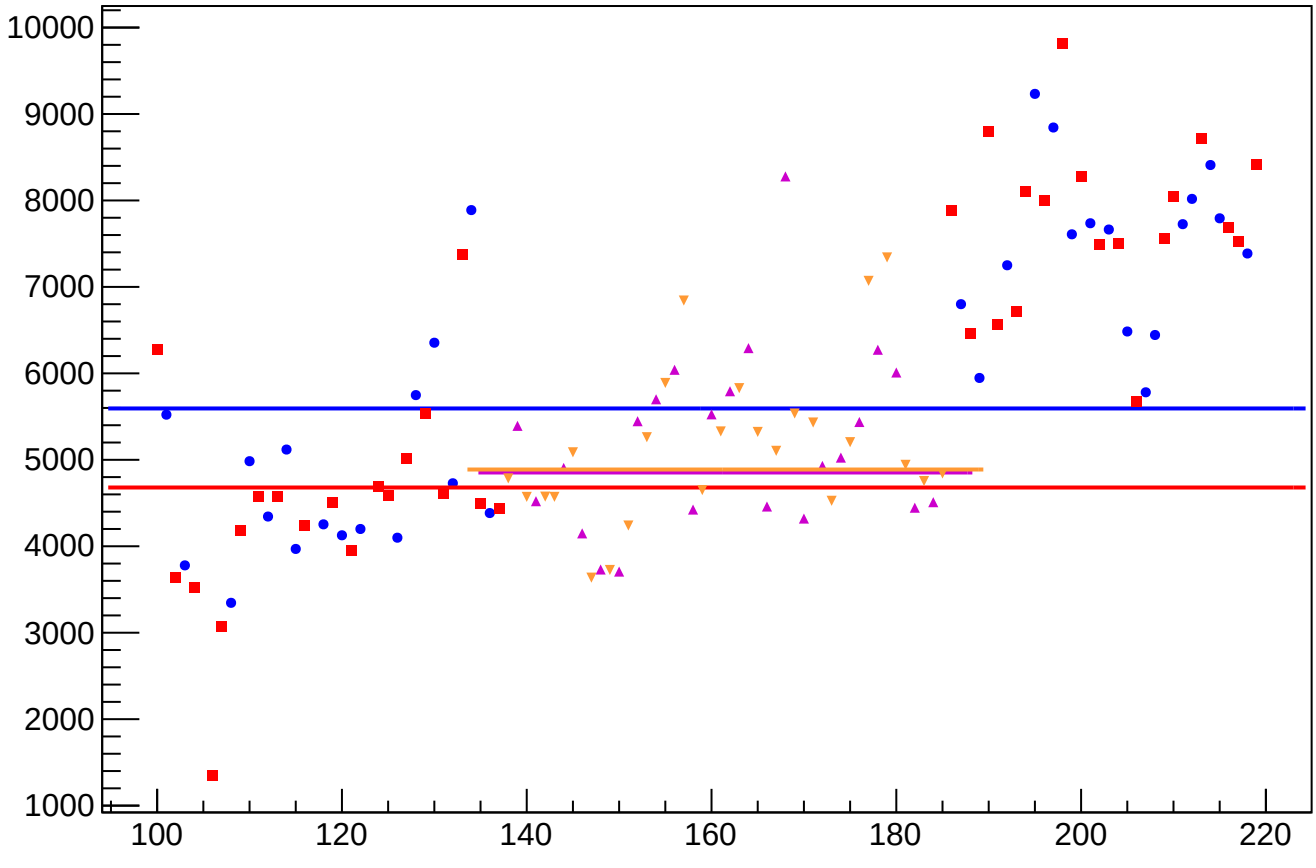
Right: 1988.728+/-0.220 χ^2/NDF: 1132994.6/68

In: 1933.625+/-0.221 χ^2/NDF:774098.3/54

Out: 1937.537+/-0.216 χ^2/NDF:524327.6/61

All: 1935.628+/-0.155 χ^2/NDF: 1298585.8/11


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: 462.925+/-1302.736 χ²/NDF: 38.9/31
Left Out: -91.892+/-1133.235 χ²/NDF:28.1/24
Right Out: -821.936+/-1129.112 χ²/NDF: 46.1/36
Left In: -177.140+/-1156.062 χ²/NDF:13.5/22
Left: -133.666+/-809.268 χ²/NDF: 41.6/47
Right: -270.774+/-853.233 χ²/NDF: 85.5/68
In: 104.847+/-864.686 χ²/NDF:52.5/54
Out: -458.245+/-799.856 χ²/NDF:74.4/61
All: -198.597+/-587.167 χ²/NDF: 127.1/116



Right In: 5594.008+/-0.921 χ^2/NDF: 3186393.7/31

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4679.737+/-0.798 χ^2/NDF: 8356623.4/36

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

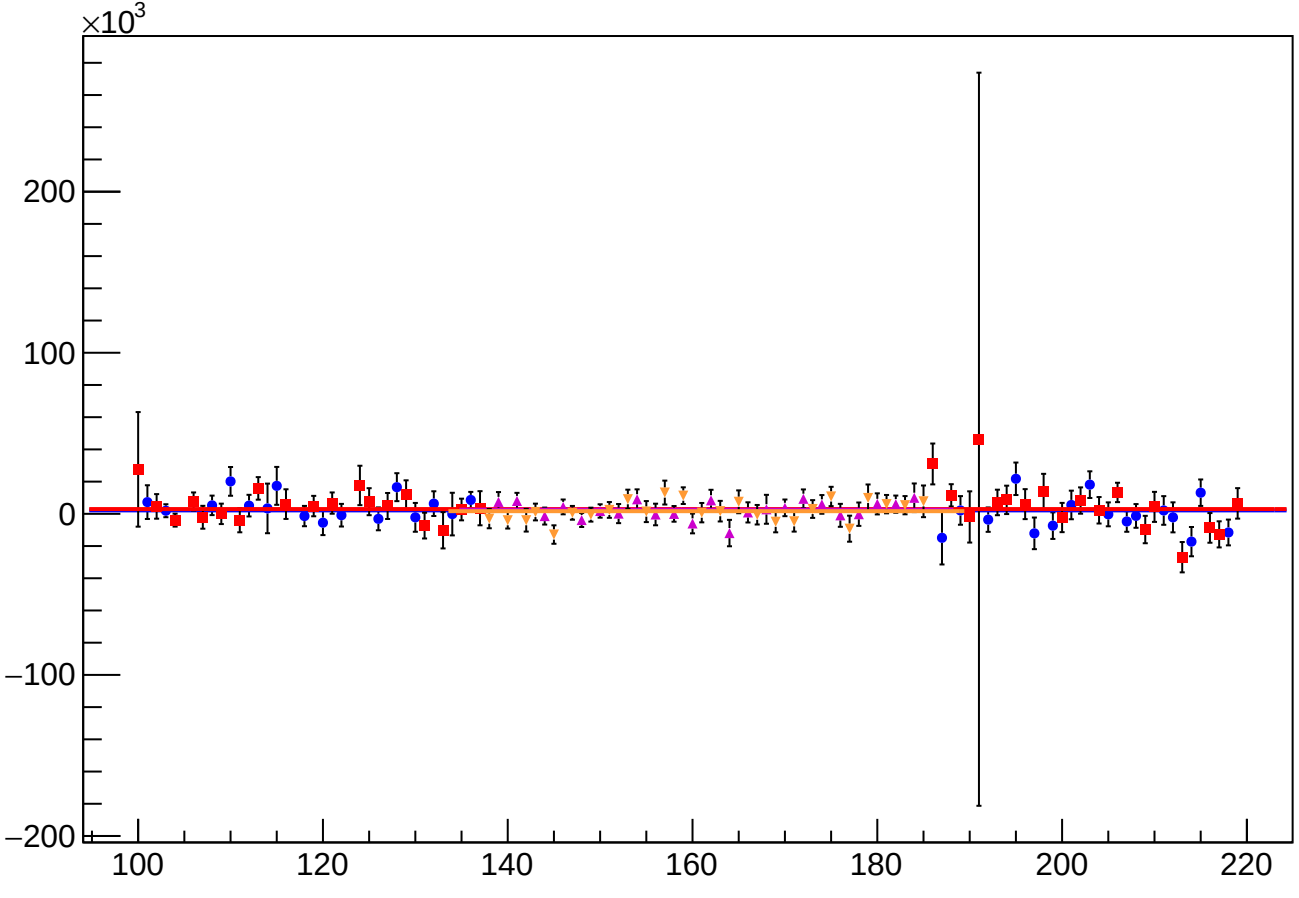
Right: 5071.929+/-0.603 χ^2/NDF: 12105525.3/68

In: 5179.665+/-0.611 χ^2/NDF:4726678.6/54

Out: 4783.405+/-0.566 χ^2/NDF:9453765.4/61

All: 4966.125+/-0.415 χ^2/NDF: 14406790.4/

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2141.962+/-1362.466 χ^2/NDF: 37.2/31

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 2958.076+/-1310.830 χ^2/NDF: 45.3/36

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

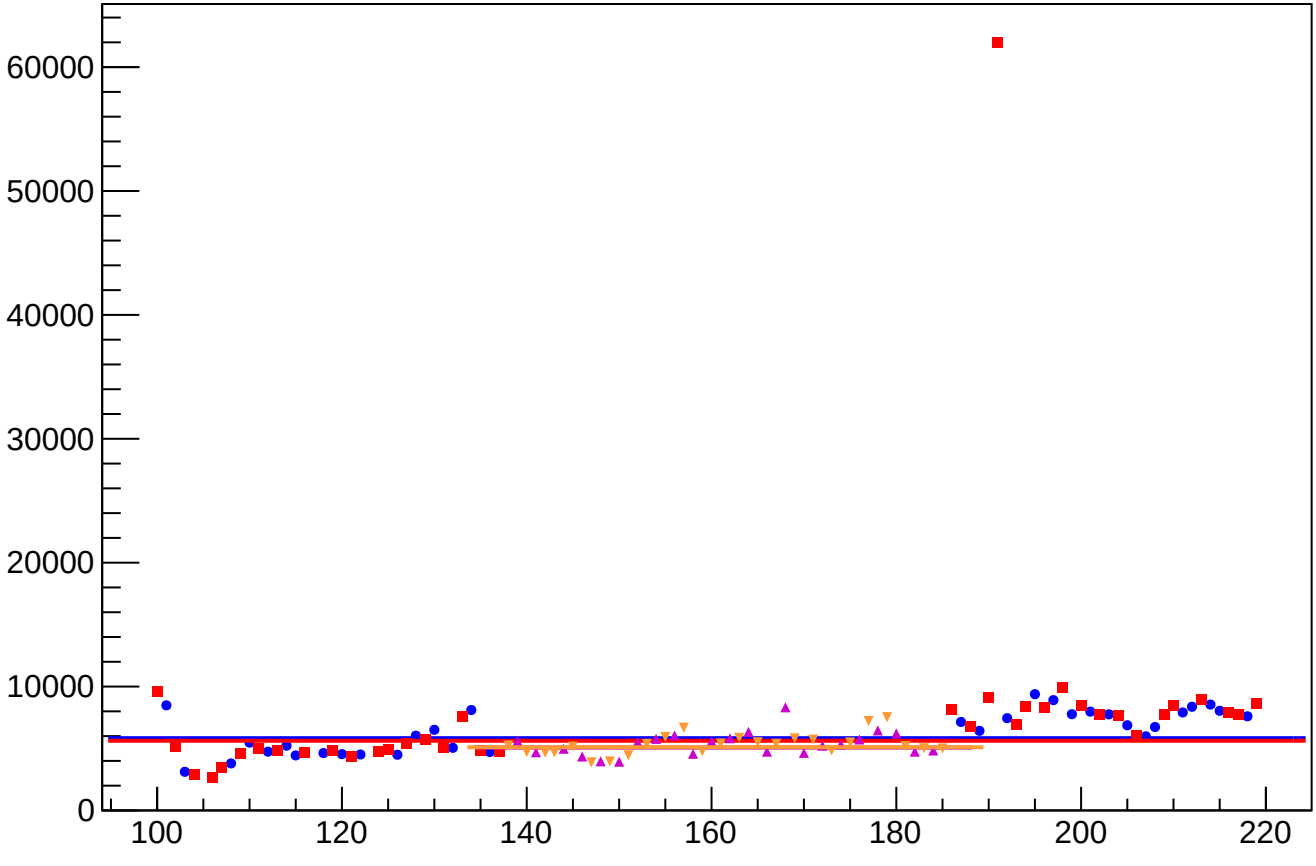
Right: 2565.776+/-944.624 χ^2/NDF: 82.7/68

In: 2378.640+/-902.394 χ^2/NDF:53.2/54

Out: 2237.333+/-876.449 χ^2/NDF:71.8/61

All: 2305.926+/-628.716 χ^2/NDF: 125.1/116

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5833.788+/-0.963 χ^2/NDF: 3453005.9/31

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5626.331+/-0.922 χ^2/NDF: 4757896.0/36

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

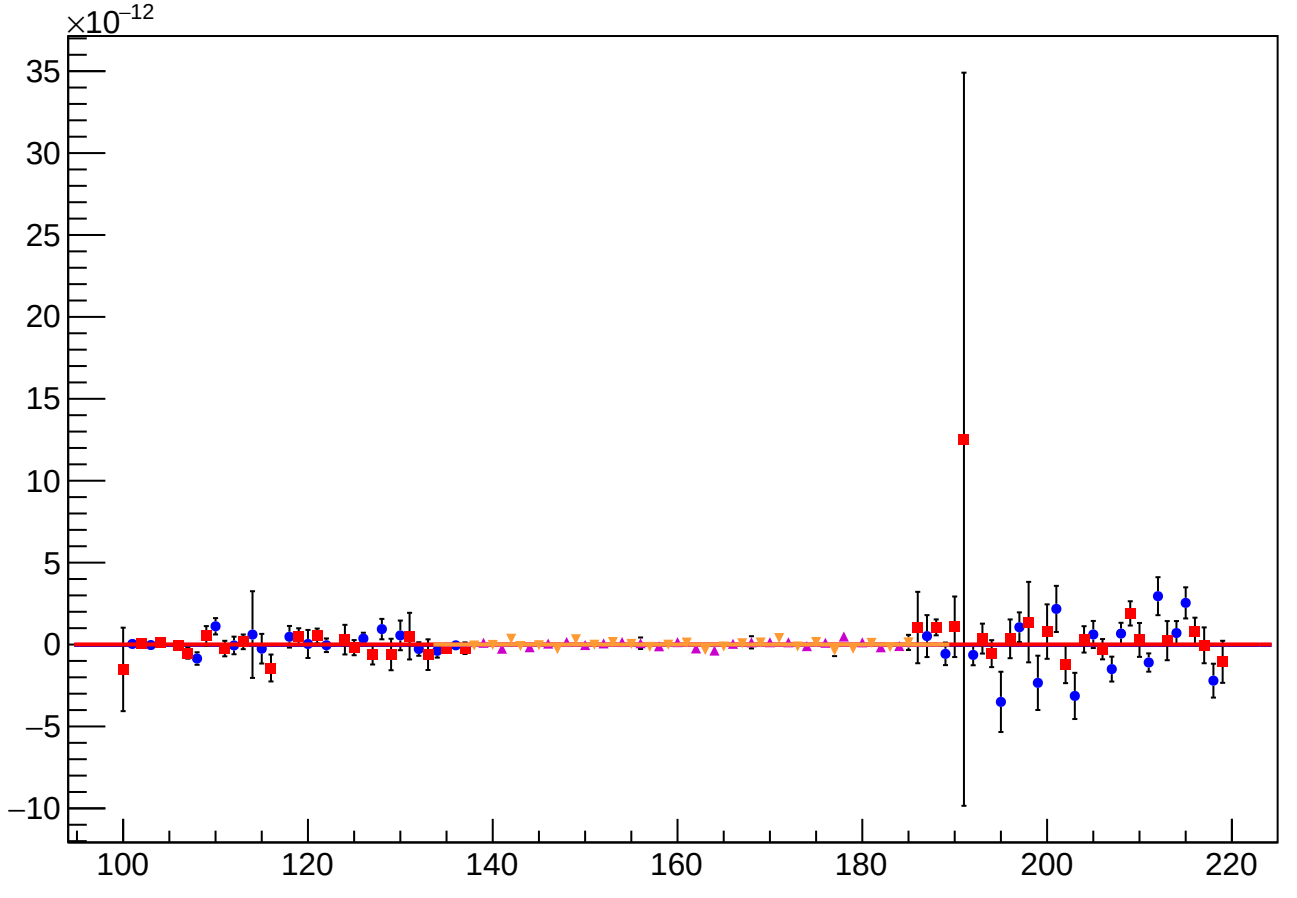
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5725.498+/-0.666 χ^2/NDF: 8235106.2/68

In: 5407.042+/-0.638 χ^2/NDF:4794465.0/54

Out: 5337.047+/-0.618 χ^2/NDF:5846141.6/61

All: 5370.940+/-0.444 χ^2/NDF: 10646812.9/1



Right In: -0.000+/-0.000 χ^2/NDF: 60.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.7/36

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

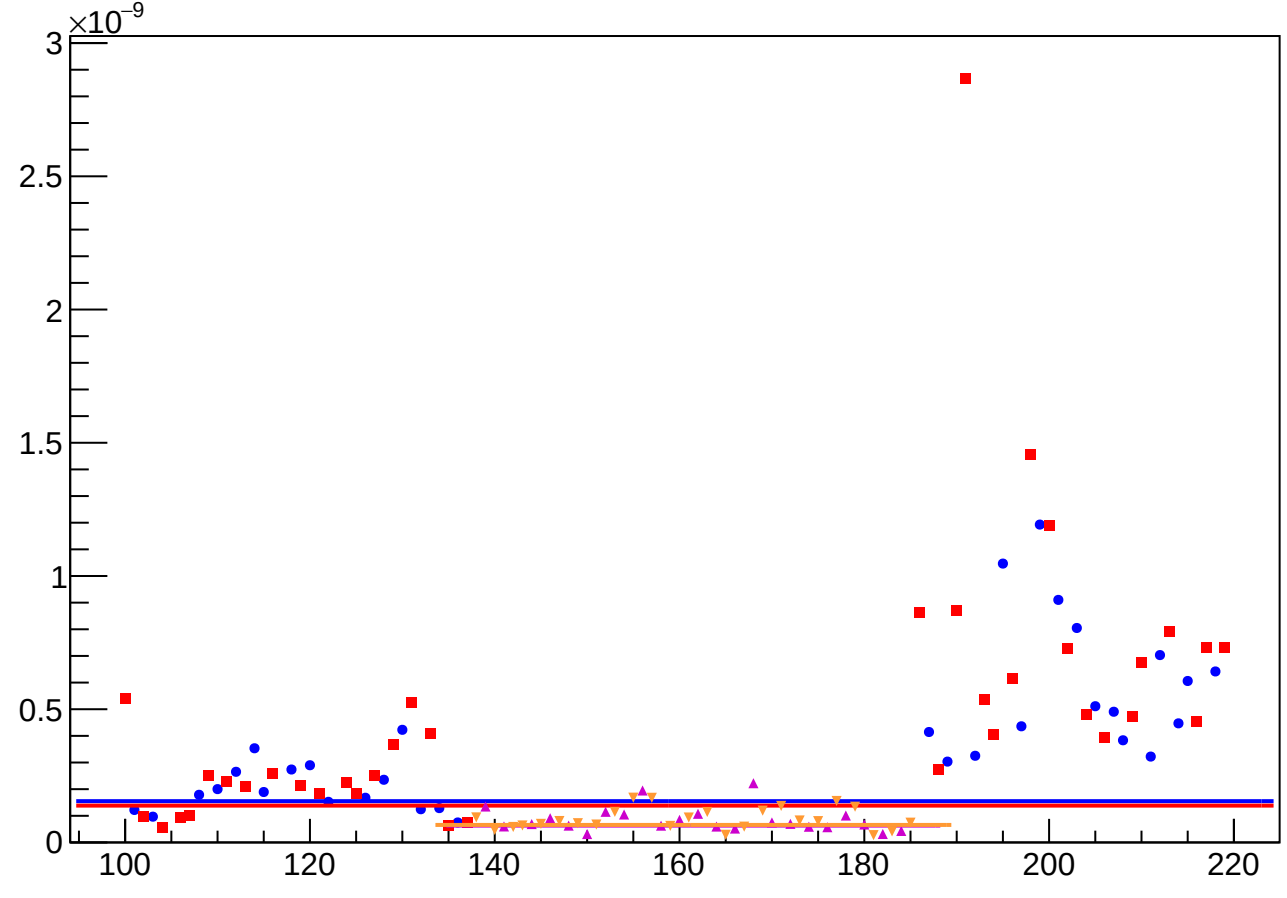
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 92.3/68

In: -0.000+/-0.000 χ^2/NDF:92.8/54

Out: 0.000+/-0.000 χ^2/NDF:65.0/61

All: -0.000+/-0.000 χ^2/NDF: 158.2/116



Right In: 0.000+/-0.000 χ^2/NDF: 7217175.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9474594.5/36

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

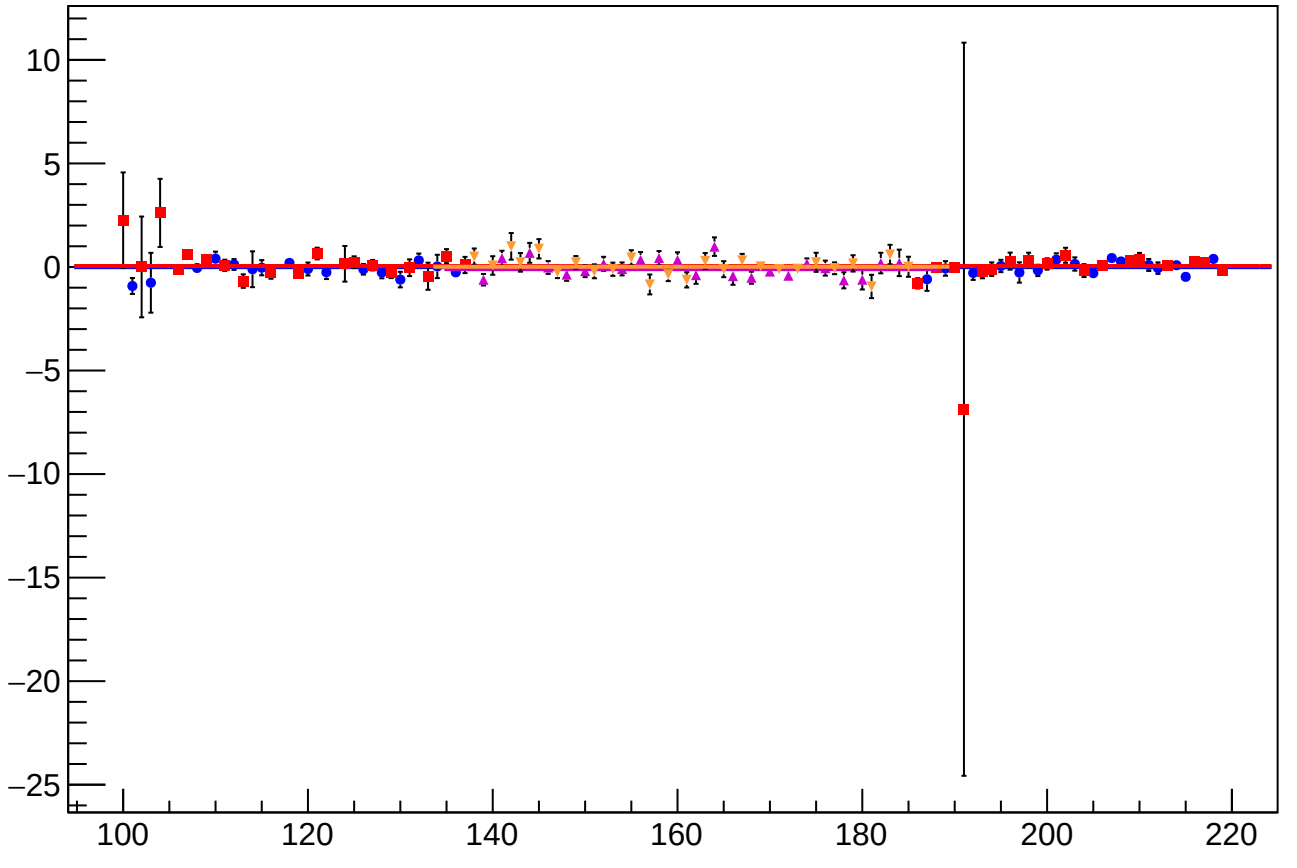
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 16748423.8/68

In: 0.000+/-0.000 χ^2/NDF:12306975.0/54

Out: 0.000+/-0.000 χ^2/NDF:13847932.4/61

All: 0.000+/-0.000 χ^2/NDF: 26155408.4/116



Right In: -0.007+/-0.048 χ^2/NDF: 39.9/31

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.047+/-0.043 χ^2/NDF: 51.7/36

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

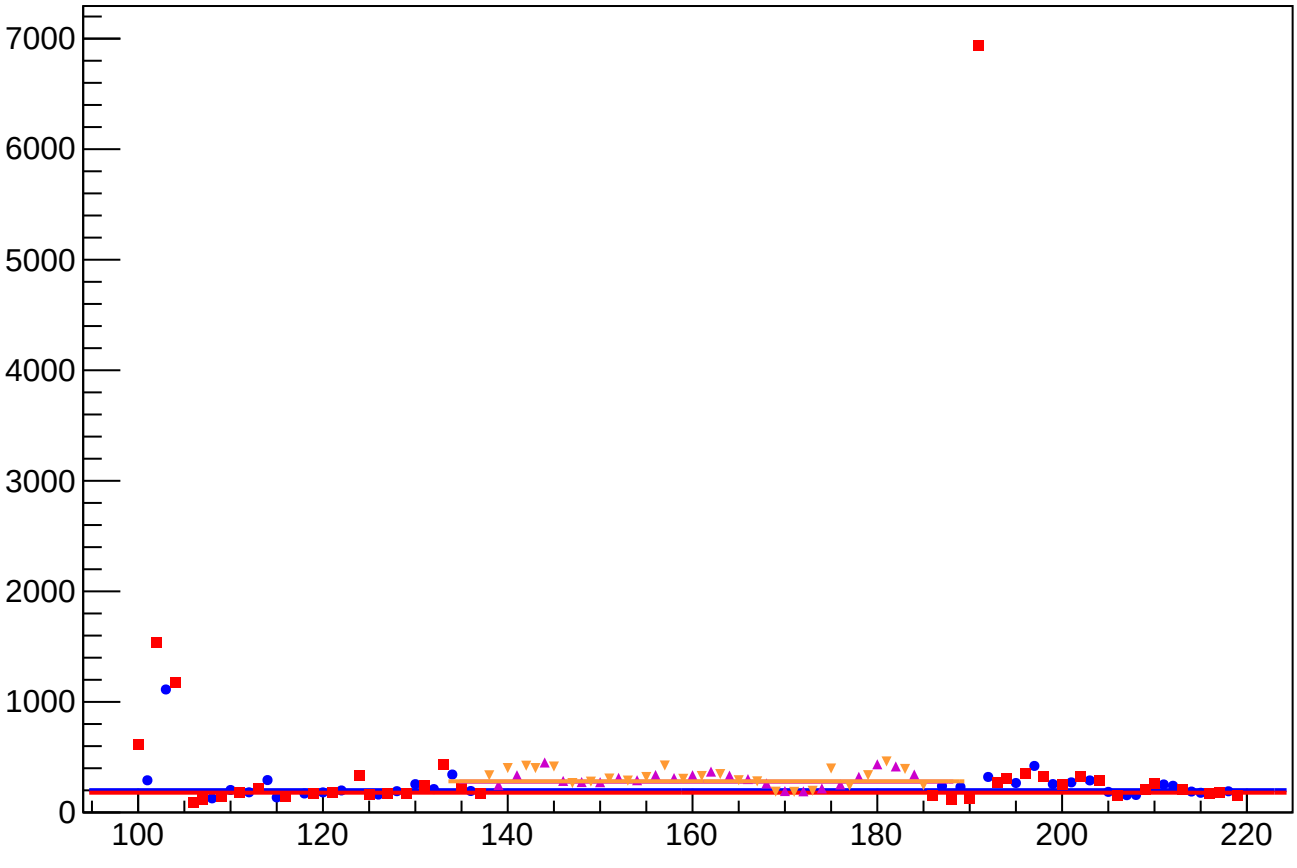
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.023+/-0.032 χ^2/NDF: 92.3/68

In: -0.040+/-0.040 χ^2/NDF:72.7/54

Out: 0.037+/-0.037 χ^2/NDF:77.1/61

All: 0.001+/-0.027 χ^2/NDF: 151.8/116



Right In: 201.716+/-0.034 χ^2/NDF: 3038560.7/31

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 178.751+/-0.031 χ^2/NDF: 5721720.8/36

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

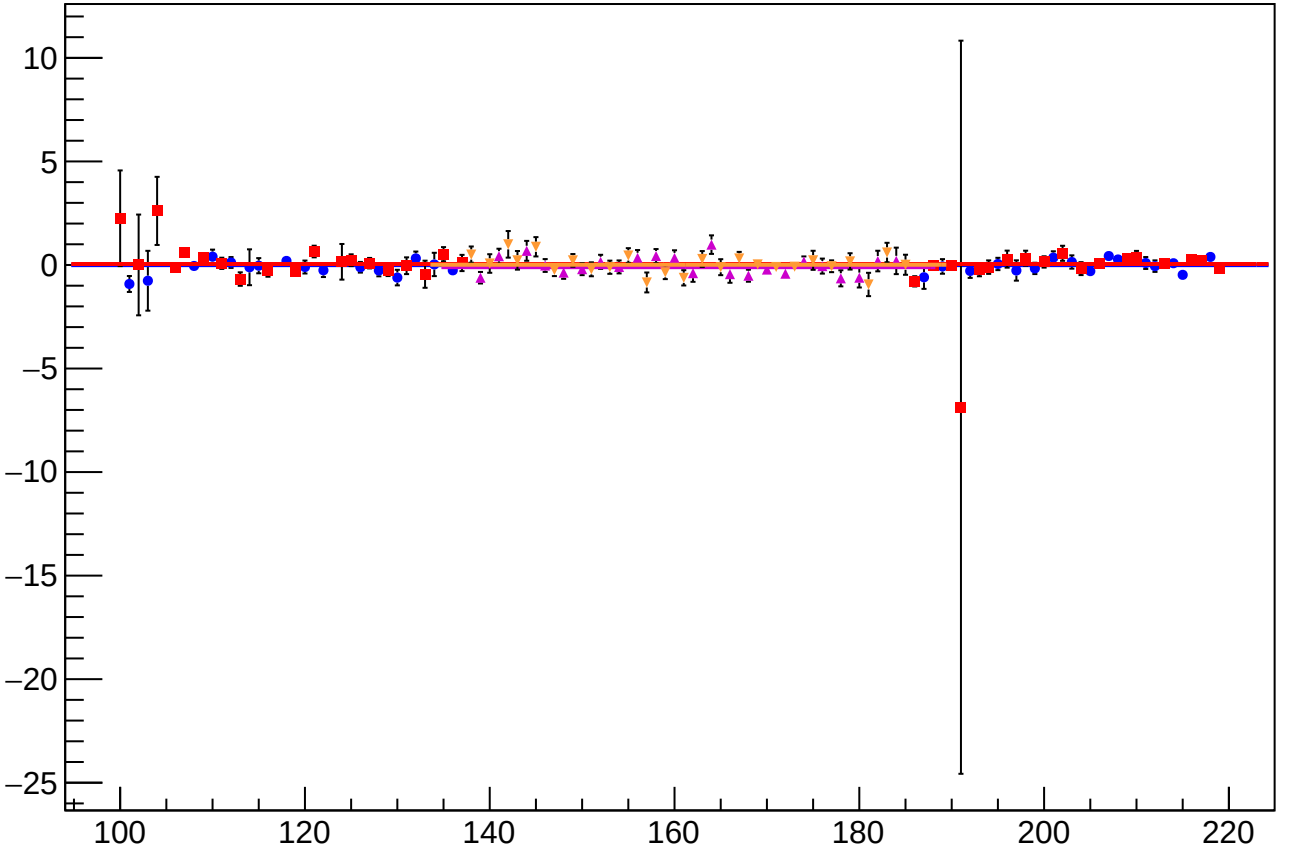
Right: 188.958+/-0.023 χ^2/NDF: 9009729.6/68

In: 227.254+/-0.028 χ^2/NDF:6505757.5/54

Out: 208.507+/-0.026 χ^2/NDF:11506206.8/61

All: 217.137+/-0.019 χ^2/NDF: 18254040.4/11

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.048 χ^2/NDF: 39.9/31

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.047+/-0.043 χ^2/NDF: 51.7/36

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

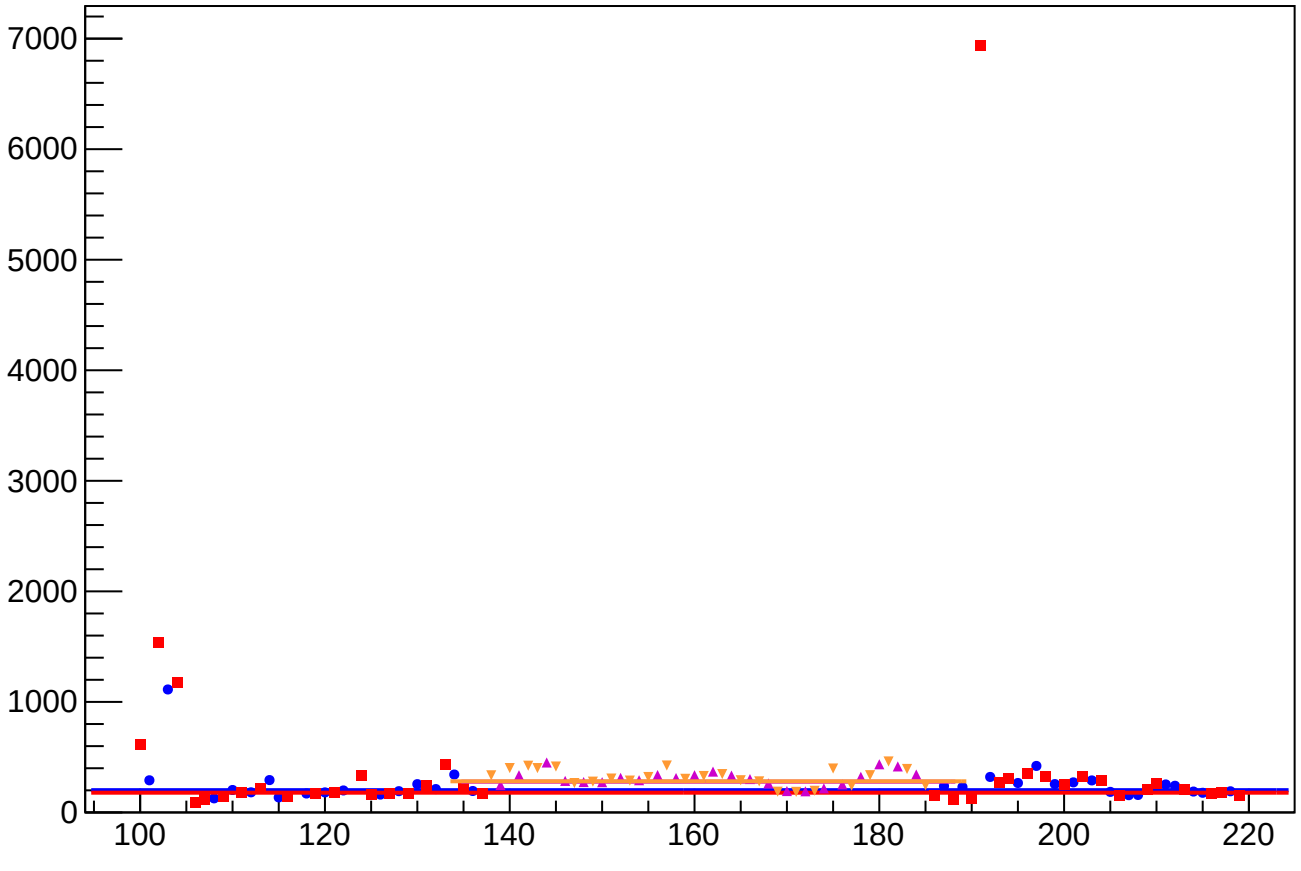
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.023+/-0.032 χ^2/NDF: 92.3/68

In: -0.040+/-0.040 χ^2/NDF:72.7/54

Out: 0.037+/-0.037 χ^2/NDF:77.1/61

All: 0.001+/-0.027 χ^2/NDF: 151.8/116



Right In: 201.716+/-0.034 χ^2/NDF: 3038560.7/31

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 178.751+/-0.031 χ^2/NDF: 5721720.8/36

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

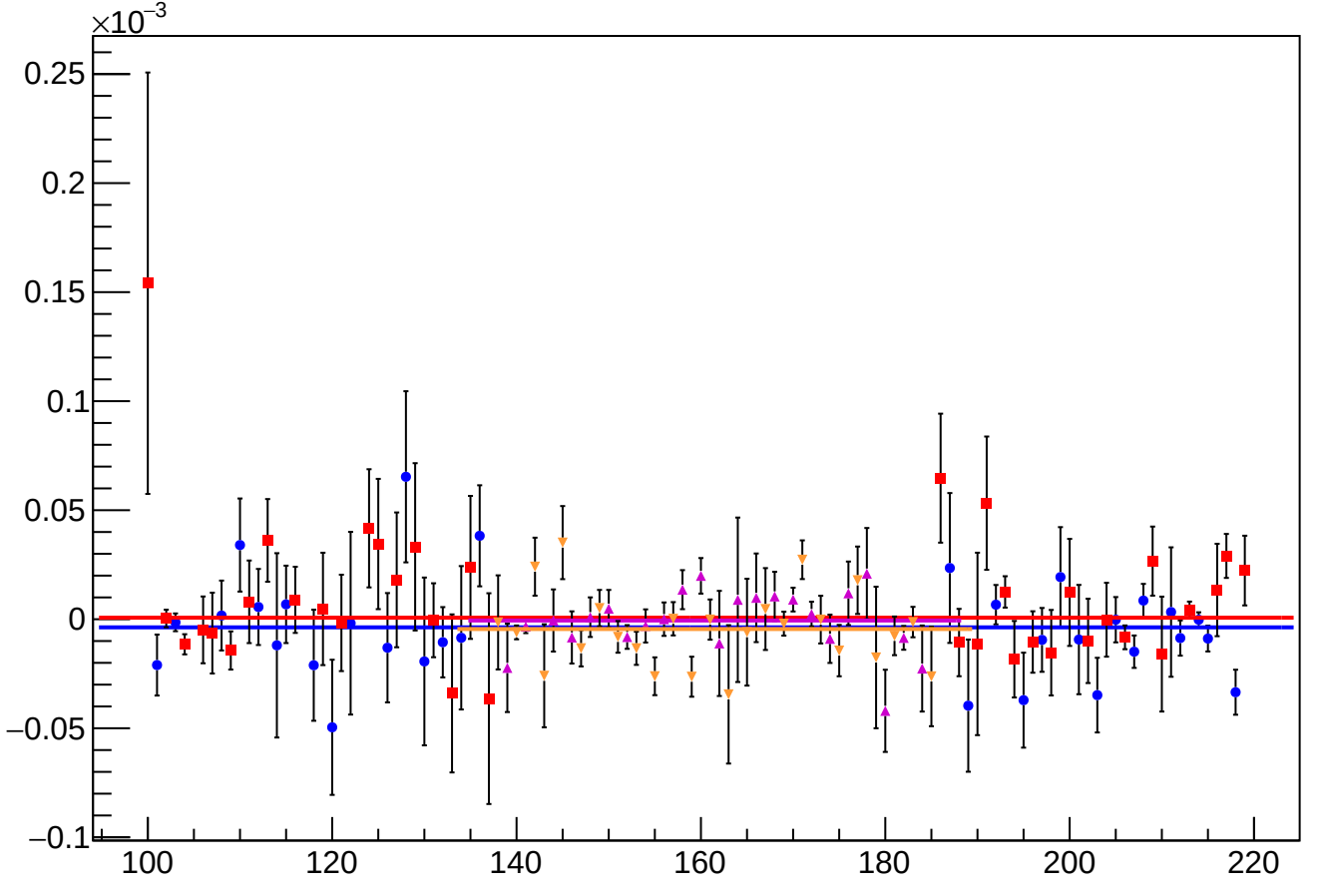
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 188.958+/-0.023 χ^2/NDF: 9009729.6/68

In: 227.254+/-0.028 χ^2/NDF:6505757.5/54

Out: 208.507+/-0.026 χ^2/NDF:11506206.8/61

All: 217.137+/-0.019 χ^2/NDF: 18254040.4/11



Right In: -0.000+/-0.000 χ^2/NDF: 41.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 54.1/36

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

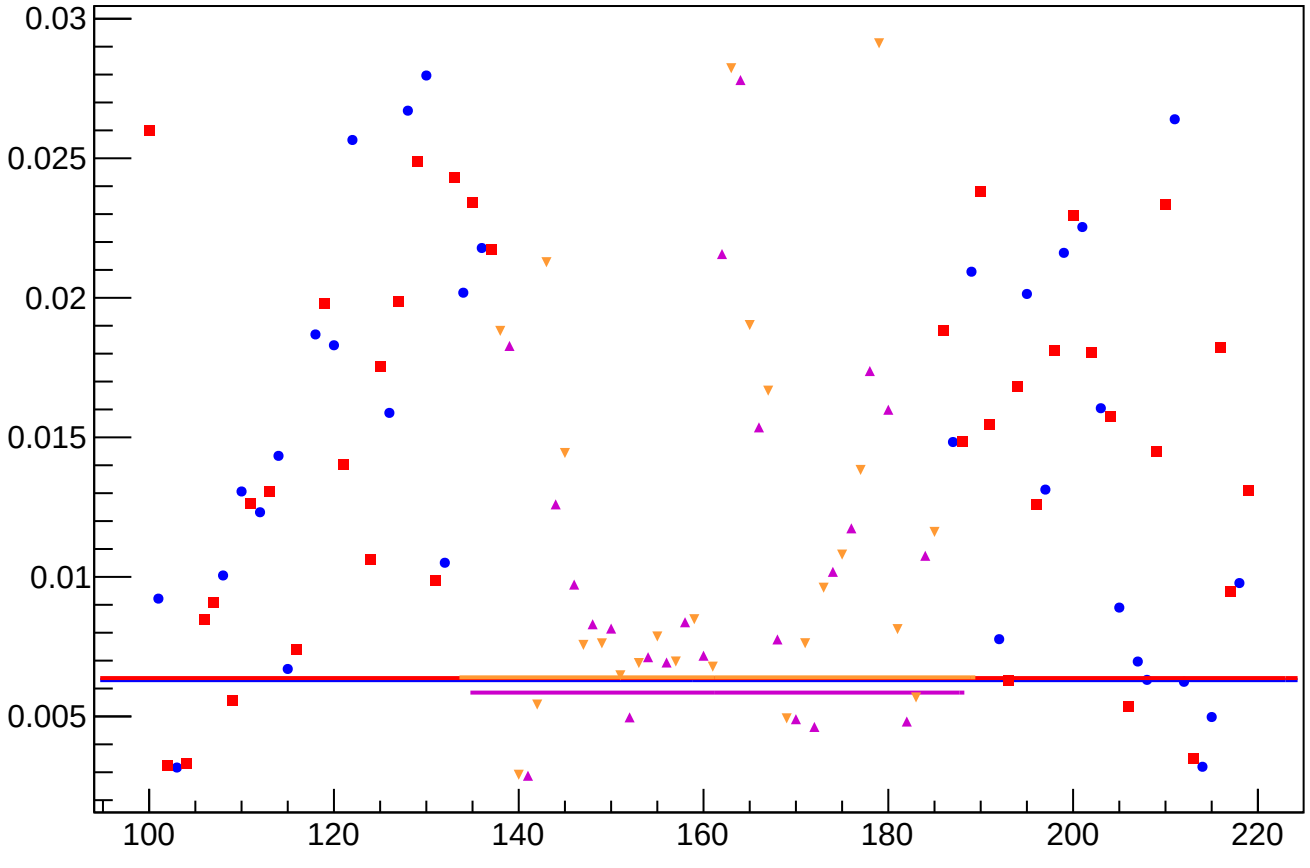
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 98.2/68

In: -0.000+/-0.000 χ^2/NDF:71.8/54

Out: -0.000+/-0.000 χ^2/NDF:104.9/61

All: -0.000+/-0.000 χ^2/NDF: 176.7/116



Right In: 0.006+/-0.000 χ^2/NDF: 13263188.5/31

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 15335328.1/36

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

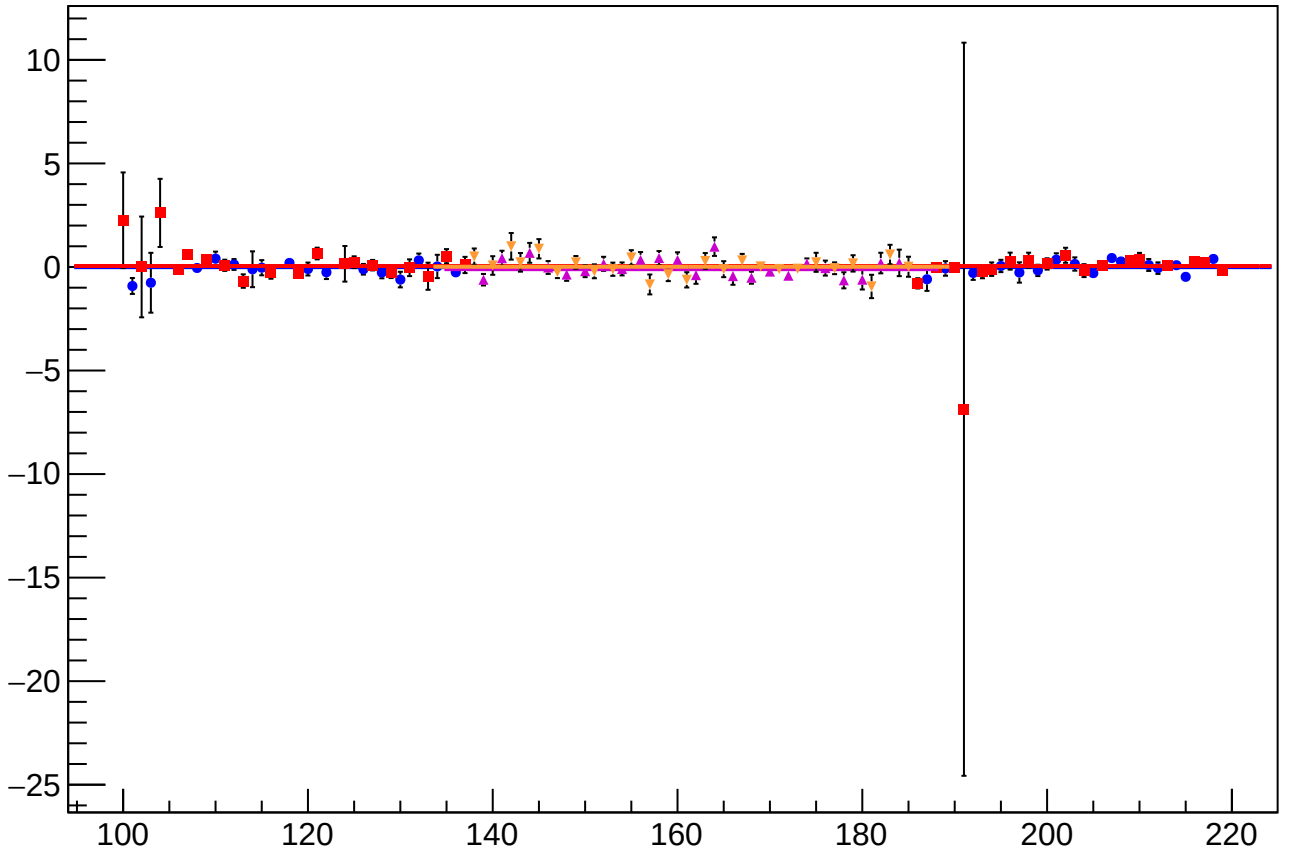
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.006+/-0.000 χ^2/NDF: 28600255.7/68

In: 0.006+/-0.000 χ^2/NDF:21474315.1/54

Out: 0.006+/-0.000 χ^2/NDF:24299804.2/61

All: 0.006+/-0.000 χ^2/NDF: 45848606.6/116



Right In: -0.007+/-0.048 χ^2/NDF: 39.9/31

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.047+/-0.043 χ^2/NDF: 51.7/36

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

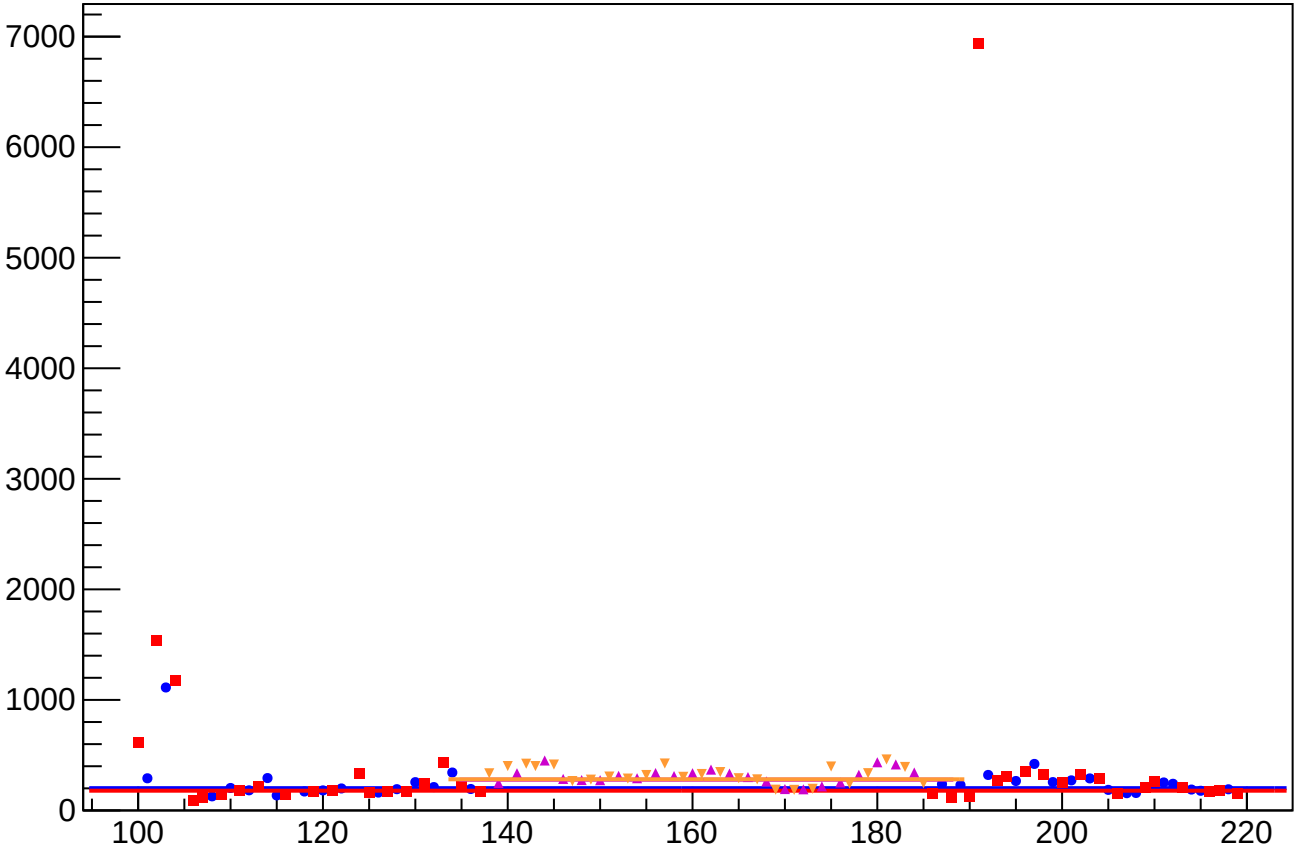
Right: 0.023+/-0.032 χ^2/NDF: 92.3/68

In: -0.040+/-0.040 χ^2/NDF:72.7/54

Out: 0.037+/-0.037 χ^2/NDF:77.1/61

All: 0.001+/-0.027 χ^2/NDF: 151.8/116

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 201.716+/-0.034 χ^2/NDF: 3038584.4/31

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 178.749+/-0.031 χ^2/NDF: 5721866.9/36

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

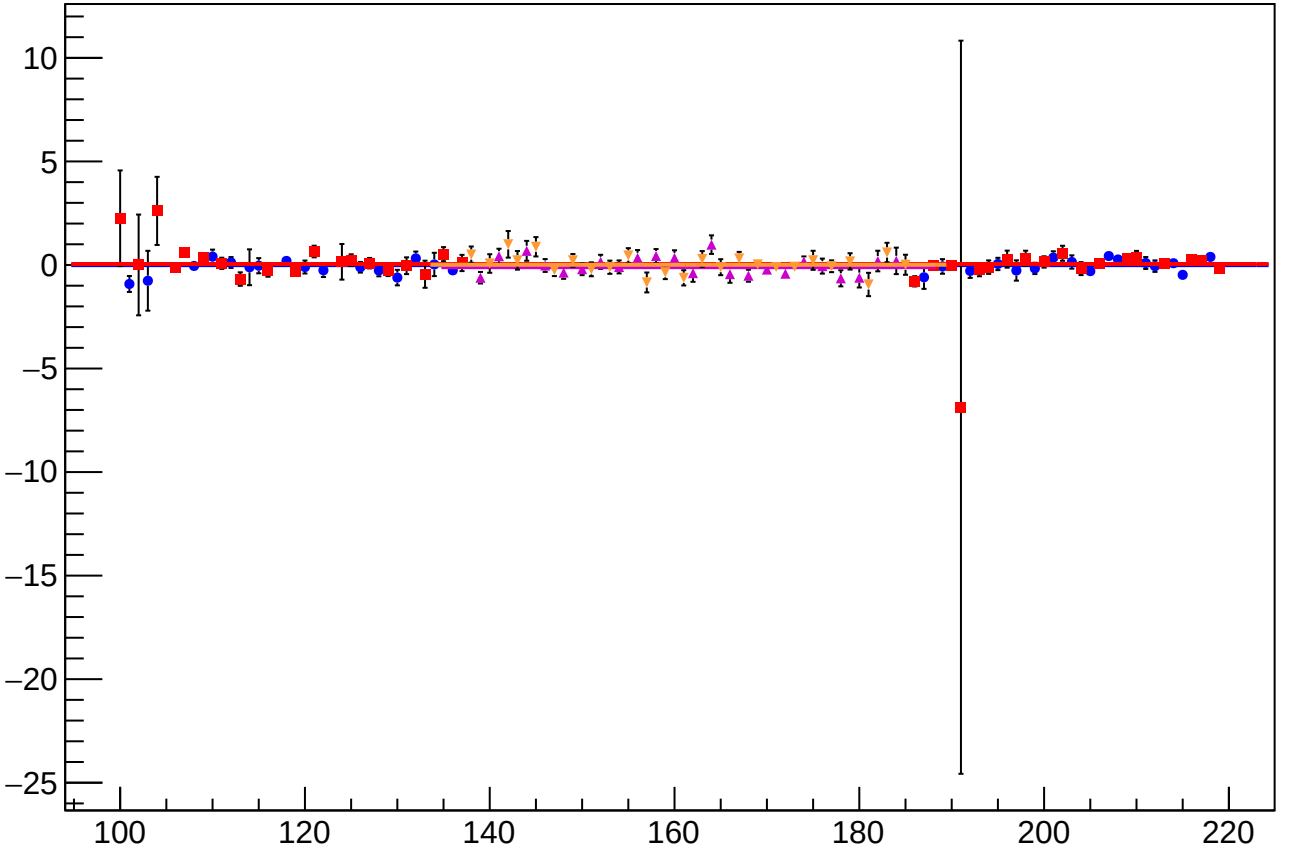
Right: 188.957+/-0.023 χ^2/NDF: 9009950.4/68

In: 227.254+/-0.028 χ^2/NDF:6505923.7/54

Out: 208.505+/-0.026 χ^2/NDF:11506715.1/61

All: 217.136+/-0.019 χ^2/NDF: 18254771.2/11

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.048 χ^2/NDF: 39.9/31

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.047+/-0.043 χ^2/NDF: 51.7/36

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

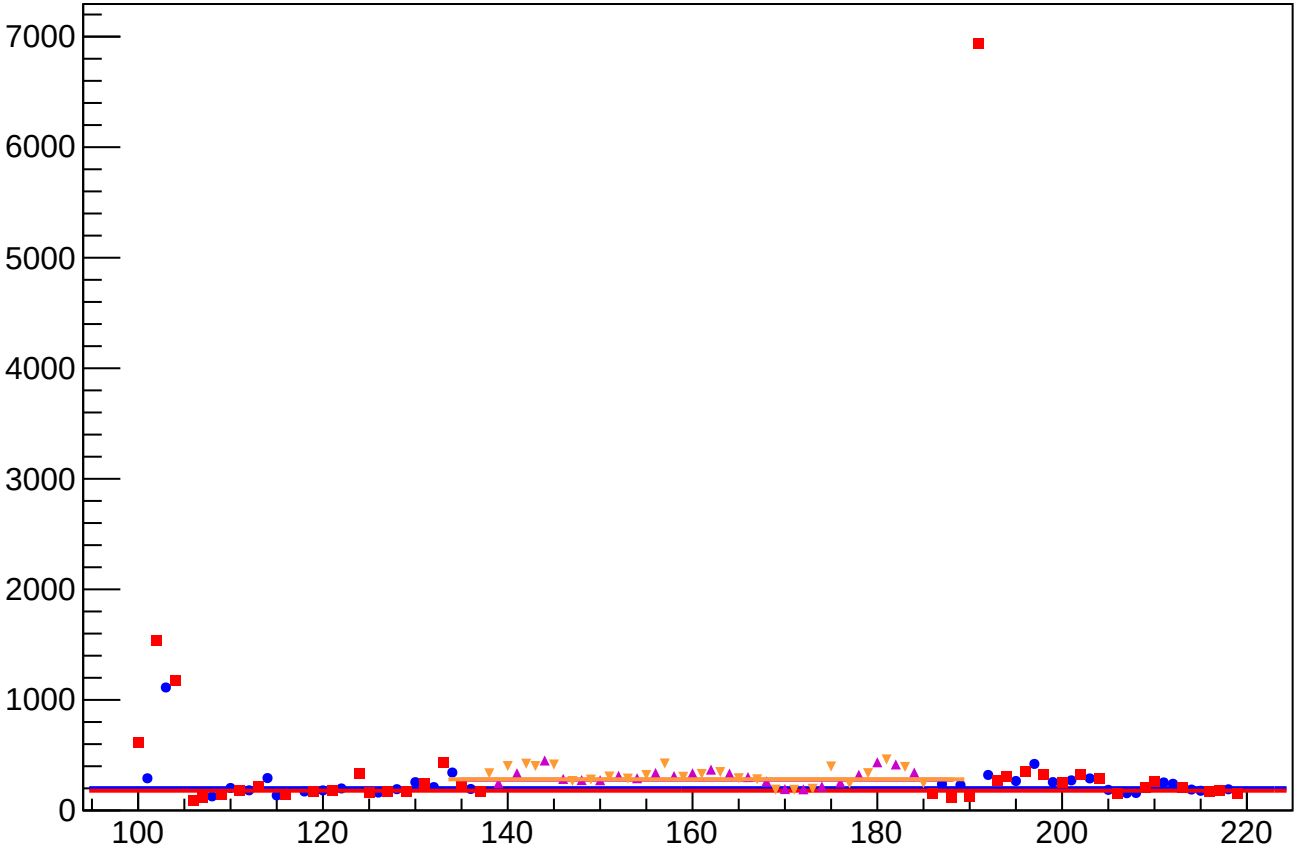
Right: 0.023+/-0.032 χ^2/NDF: 92.3/68

In: -0.040+/-0.040 χ^2/NDF:72.7/54

Out: 0.037+/-0.037 χ^2/NDF:77.1/61

All: 0.001+/-0.027 χ^2/NDF: 151.8/116

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 201.716+/-0.034 χ^2/NDF: 3038584.4/31

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 178.749+/-0.031 χ^2/NDF: 5721866.9/36

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

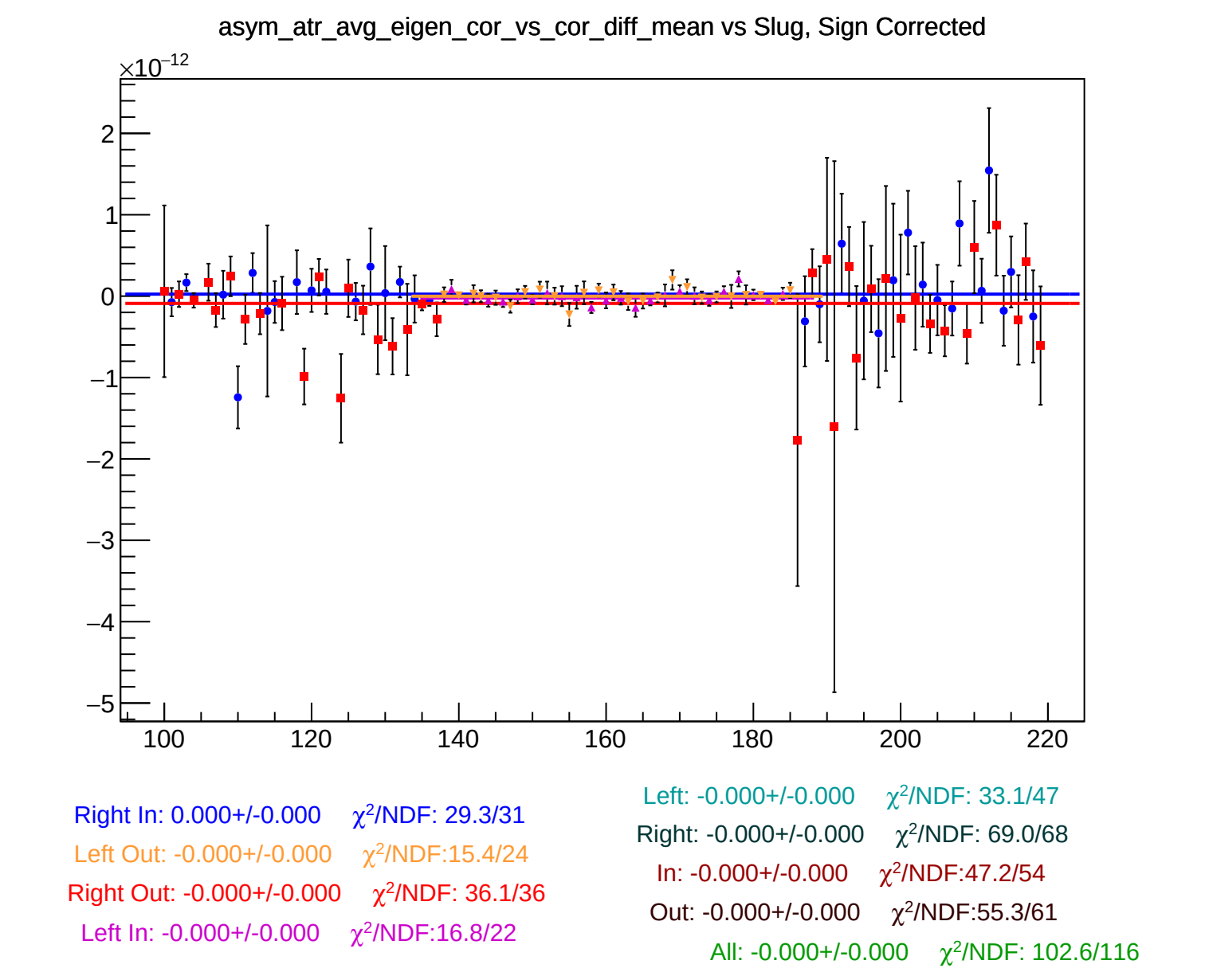
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

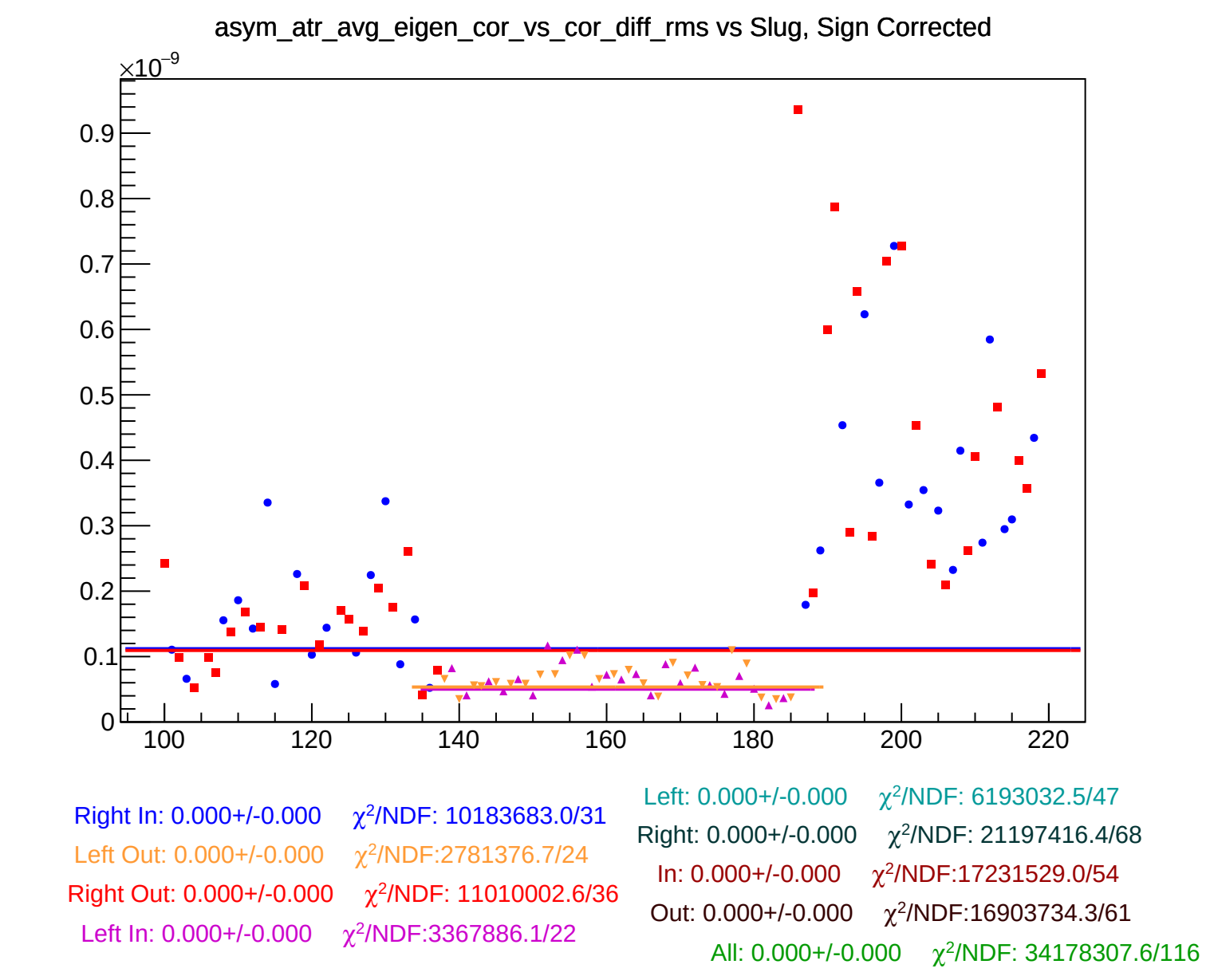
Right: 188.957+/-0.023 χ^2/NDF: 9009950.4/68

In: 227.254+/-0.028 χ^2/NDF:6505923.7/54

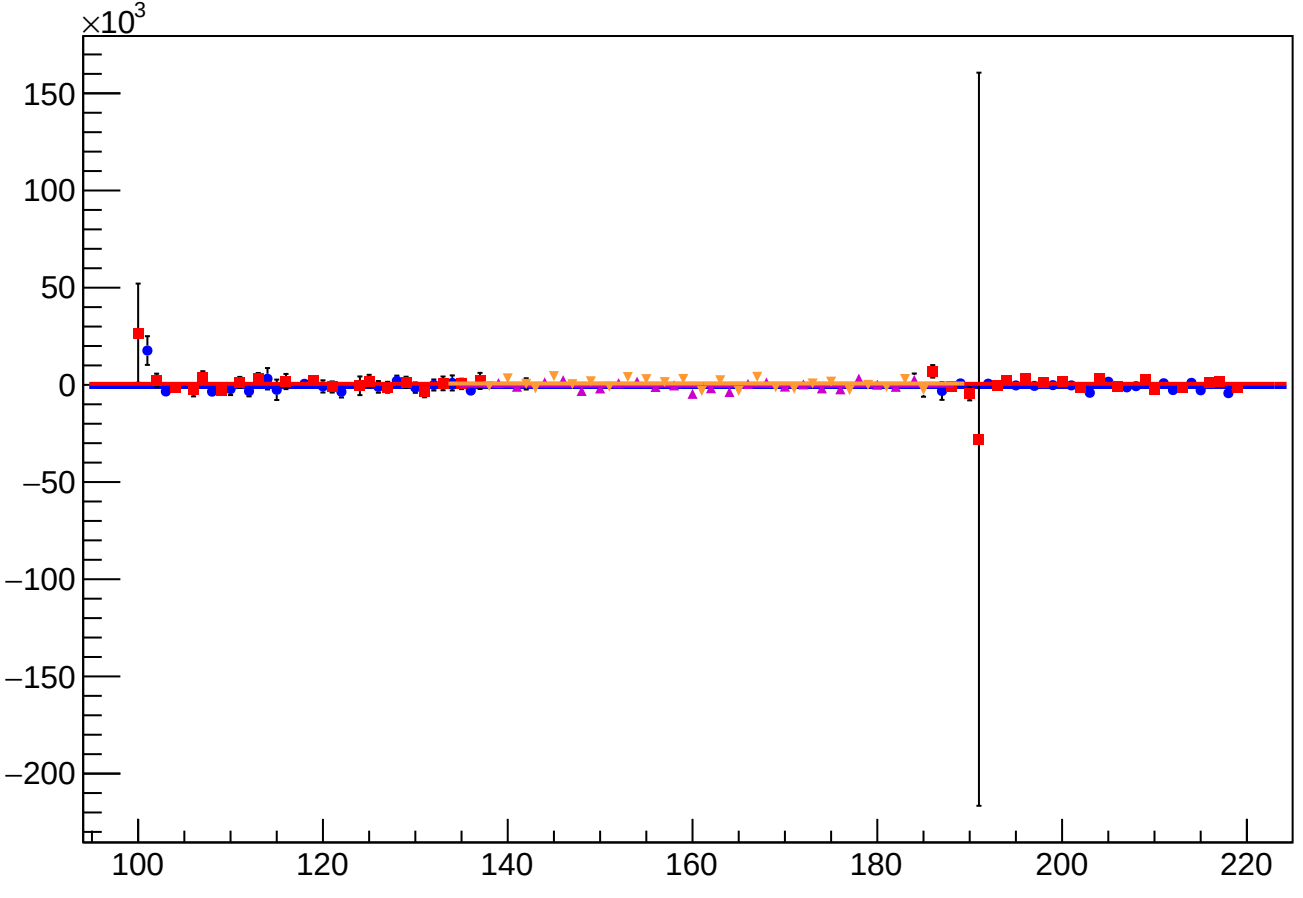
Out: 208.505+/-0.026 χ^2/NDF:11506715.1/61

All: 217.136+/-0.019 χ^2/NDF: 18254771.2/11


asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 29.3/31
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 36.1/36
Left In: -0.000+/-0.000 χ²/NDF:16.8/22
Left: -0.000+/-0.000 χ²/NDF: 33.1/47
Right: -0.000+/-0.000 χ²/NDF: 69.0/68
In: -0.000+/-0.000 χ²/NDF:47.2/54
Out: -0.000+/-0.000 χ²/NDF:55.3/61
All: -0.000+/-0.000 χ²/NDF: 102.6/116


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: 10183683.0/31
Left Out: 0.000+/-0.000 χ²/NDF:2781376.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 11010002.6/36
Left In: 0.000+/-0.000 χ²/NDF:3367886.1/22
Left: 0.000+/-0.000 χ²/NDF: 6193032.5/47
Right: 0.000+/-0.000 χ²/NDF: 21197416.4/68
In: 0.000+/-0.000 χ²/NDF:17231529.0/54
Out: 0.000+/-0.000 χ²/NDF:16903734.3/61
All: 0.000+/-0.000 χ²/NDF: 34178307.6/116

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1095.060+/-433.047 χ^2/NDF: 24.9/31

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 532.138+/-421.992 χ^2/NDF: 27.7/36

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

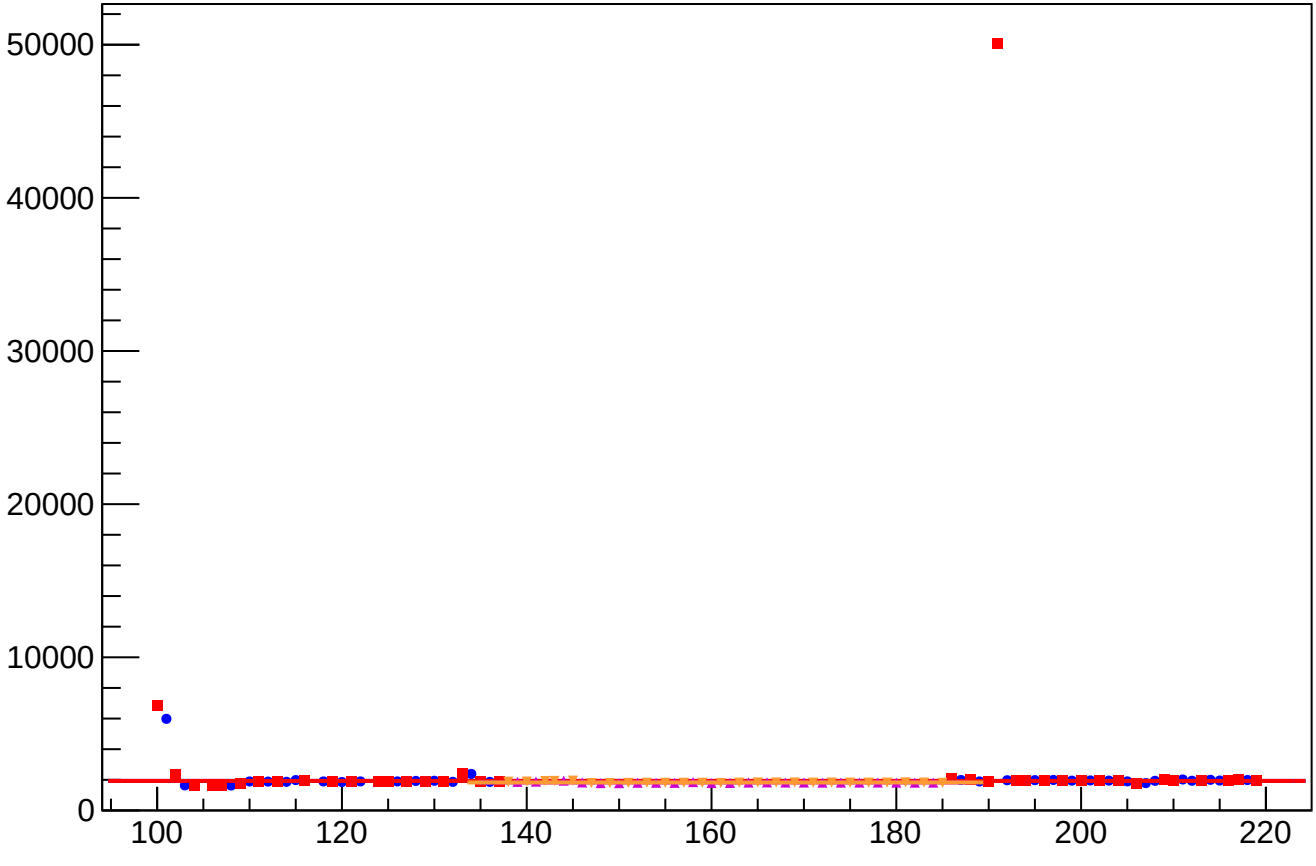
Right: -260.426+/-302.226 χ^2/NDF: 59.8/68

In: -743.601+/-303.766 χ^2/NDF:47.0/54

Out: 620.310+/-296.029 χ^2/NDF:59.7/61

All: -44.055+/-212.007 χ^2/NDF: 117.0/116

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1929.208+/-0.306 χ^2/NDF: 725608.0/31

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1928.749+/-0.298 χ^2/NDF: 395534.2/36

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

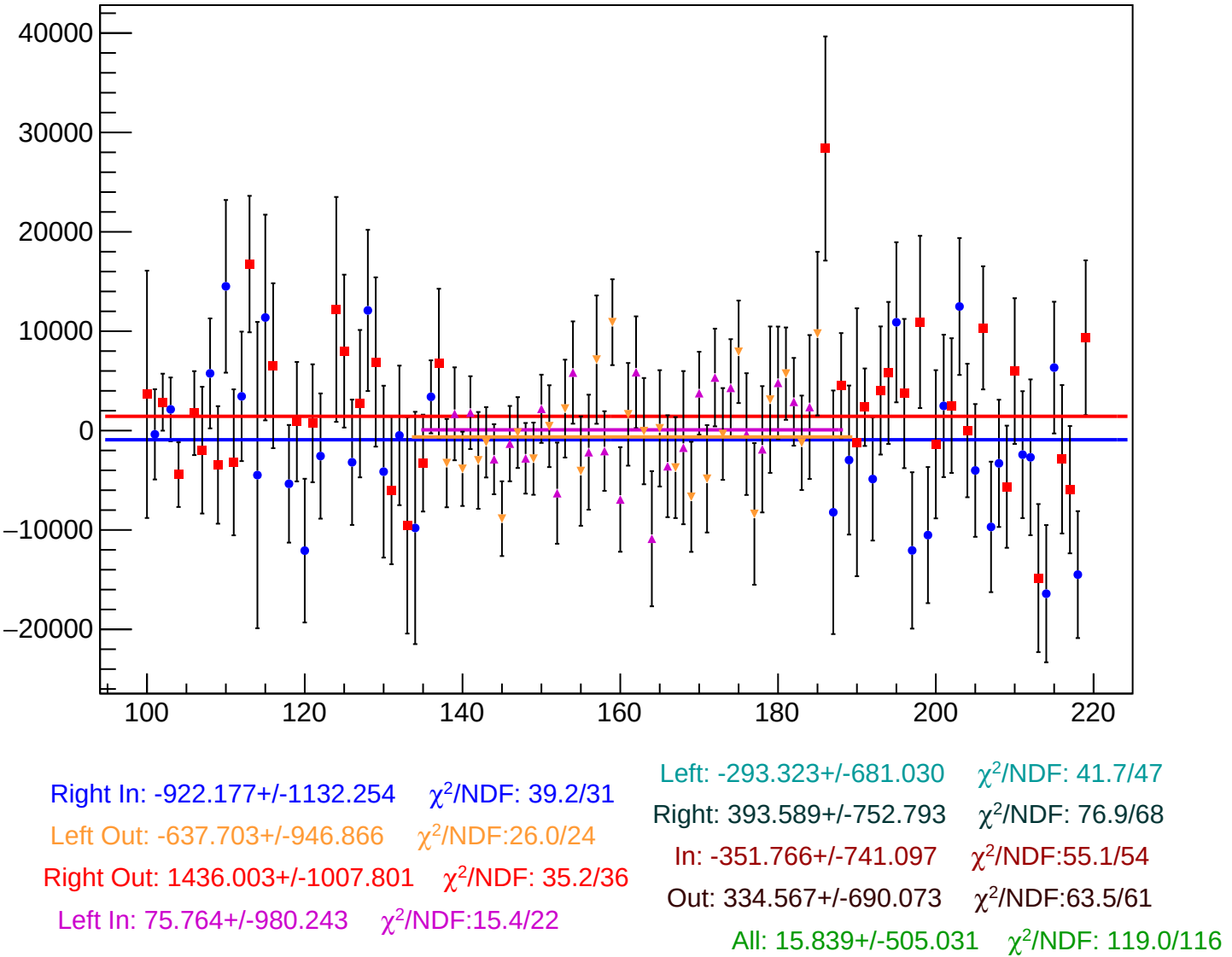
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

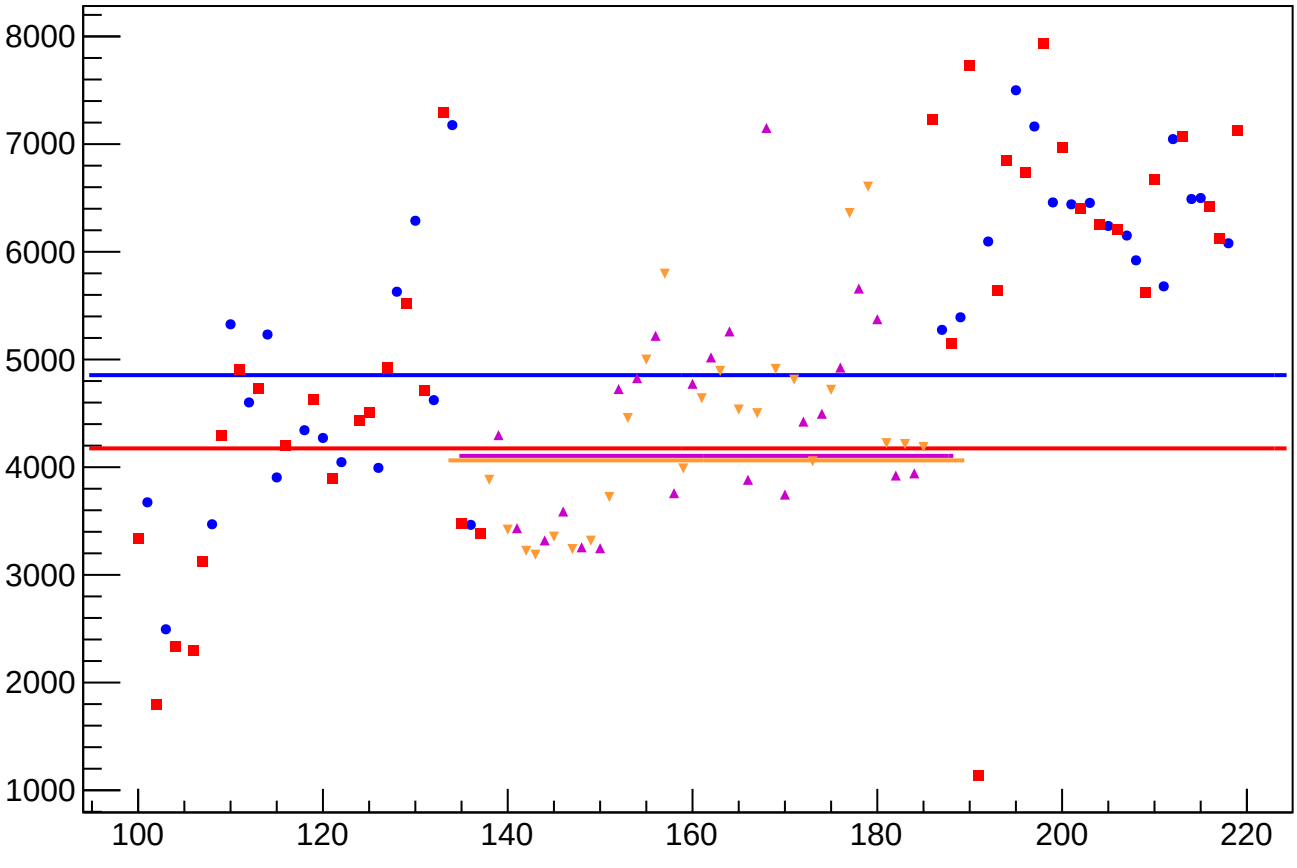
Right: 1928.972+/-0.214 χ^2/NDF: 1121143.4/68

In: 1876.359+/-0.215 χ^2/NDF:797610.2/54

Out: 1877.764+/-0.209 χ^2/NDF:472555.9/61

All: 1877.080+/-0.150 χ^2/NDF: 1270188.1/11


asym_atr_dd_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -922.177+/-1132.254 χ²/NDF: 39.2/31
Left Out: -637.703+/-946.866 χ²/NDF:26.0/24
Right Out: 1436.003+/-1007.801 χ²/NDF: 35.2/36
Left In: 75.764+/-980.243 χ²/NDF:15.4/22
Left: -293.323+/-681.030 χ²/NDF: 41.7/47
Right: 393.589+/-752.793 χ²/NDF: 76.9/68
In: -351.766+/-741.097 χ²/NDF:55.1/54
Out: 334.567+/-690.073 χ²/NDF:63.5/61
All: 15.839+/-505.031 χ²/NDF: 119.0/116



Right In: 4854.743+/-0.801 χ^2/NDF: 3423306.4/31

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 4174.551+/-0.713 χ^2/NDF: 7596406.1/36

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

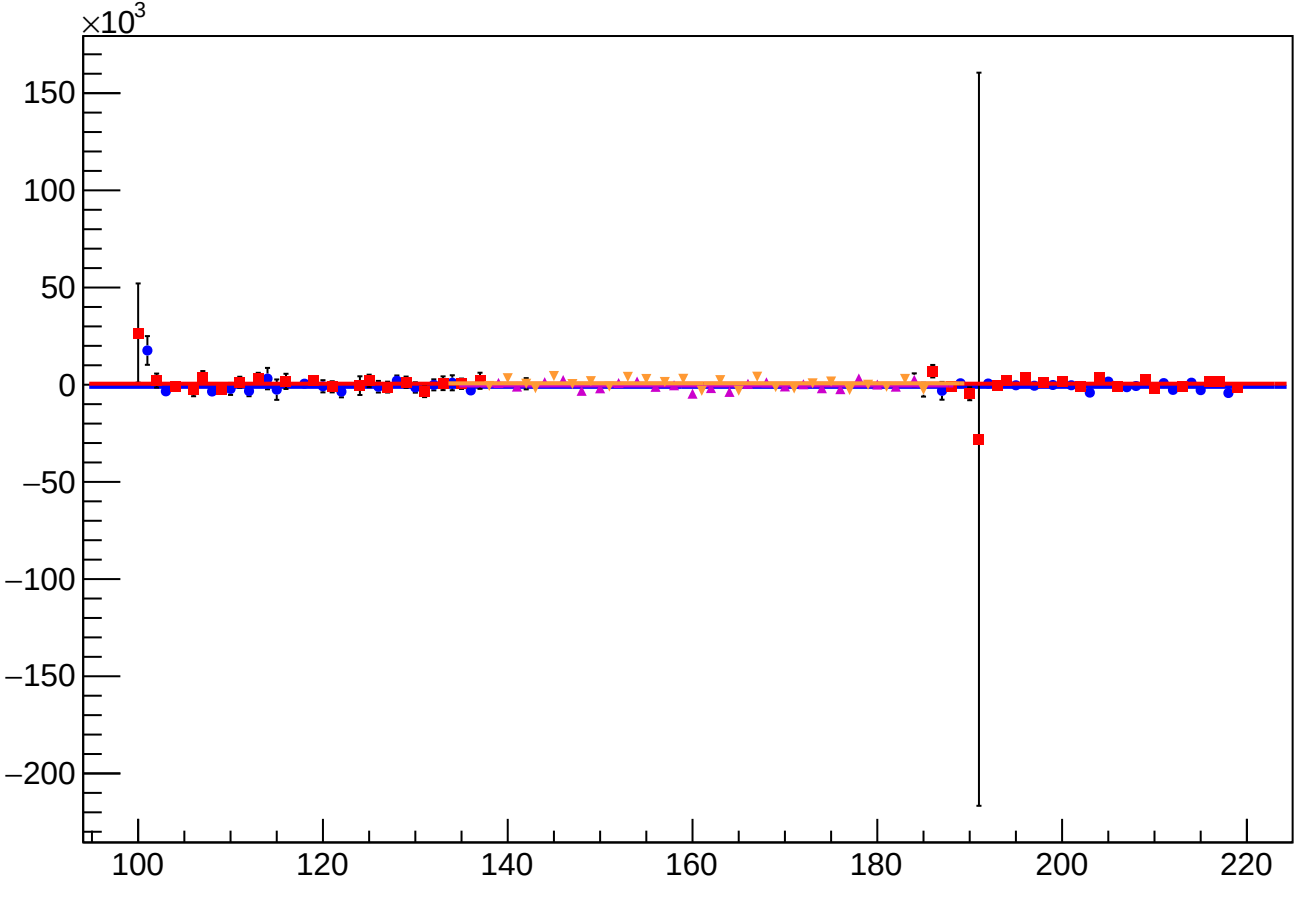
Right: 4475.224+/-0.532 χ^2/NDF: 11422436.0/68

In: 4426.232+/-0.524 χ^2/NDF:5283967.4/54

Out: 4115.359+/-0.488 χ^2/NDF:9014432.0/61

All: 4259.726+/-0.357 χ^2/NDF: 14486891.4/1

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1095.267+/-433.047 χ^2/NDF: 24.9/31

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 528.527+/-422.197 χ^2/NDF: 27.6/36

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

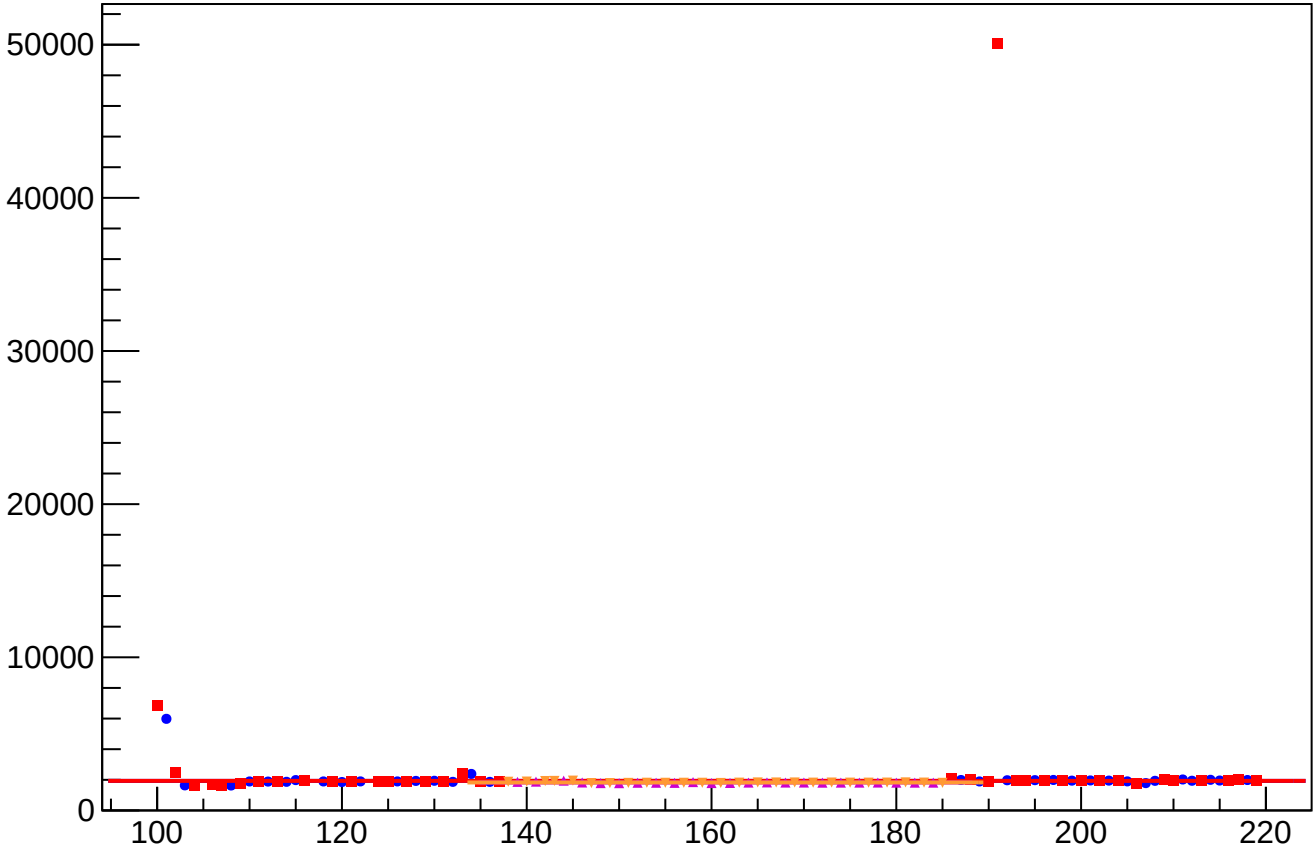
Right: -262.774+/-302.301 χ^2/NDF: 59.7/68

In: -743.620+/-303.766 χ^2/NDF:46.9/54

Out: 618.606+/-296.100 χ^2/NDF:59.6/61

All: -45.101+/-212.033 χ^2/NDF: 116.9/116

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1929.208+/-0.306 χ^2/NDF: 725608.2/31

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1931.312+/-0.298 χ^2/NDF: 401491.0/36

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

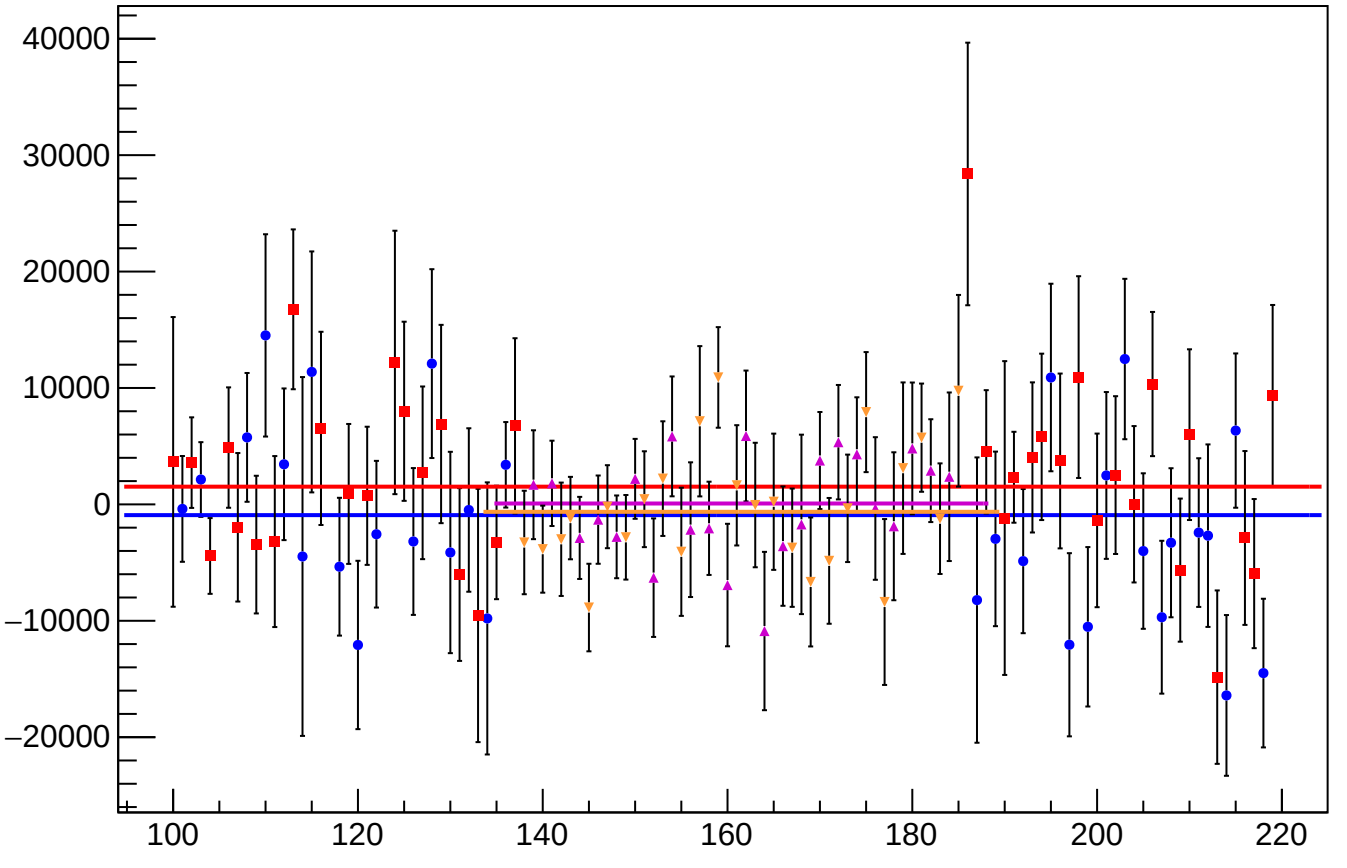
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1930.287+/-0.214 χ^2/NDF: 1127123.5/68

In: 1876.359+/-0.215 χ^2/NDF:797610.3/54

Out: 1878.968+/-0.209 χ^2/NDF:481421.7/61

All: 1877.697+/-0.150 χ^2/NDF: 1279107.7/11



Right In: -923.203+/-1132.332 χ^2/NDF: 39.2/31

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1521.836+/-1048.220 χ^2/NDF: 35.7/36

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

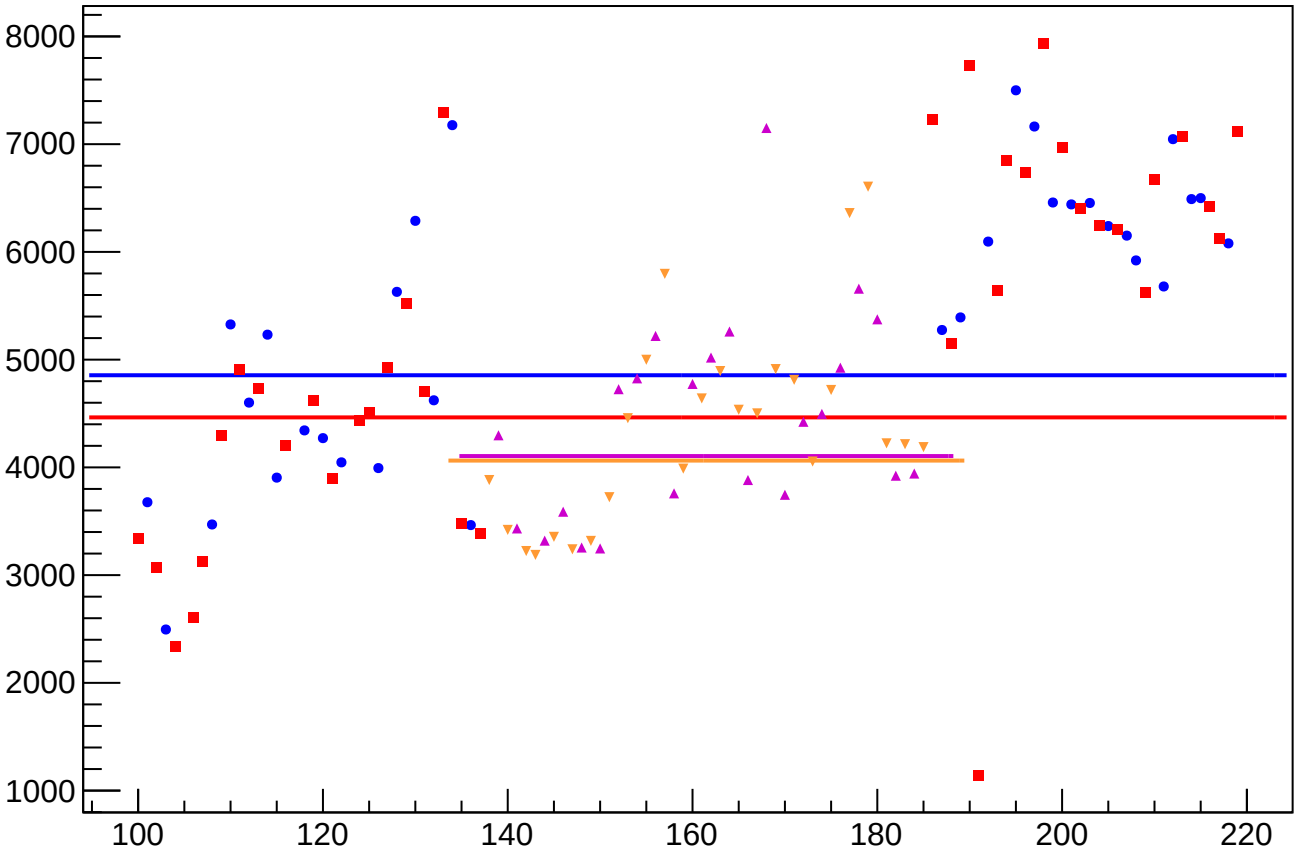
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 393.491+/-769.222 χ^2/NDF: 77.5/68

In: -352.157+/-741.118 χ^2/NDF:55.1/54

Out: 332.631+/-702.643 χ^2/NDF:64.0/61

All: 8.473+/-509.903 χ^2/NDF: 119.6/116



Right In: 4855.190+/-0.801 χ^2/NDF: 3421630.8/31

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4463.976+/-0.741 χ^2/NDF: 6014014.6/36

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

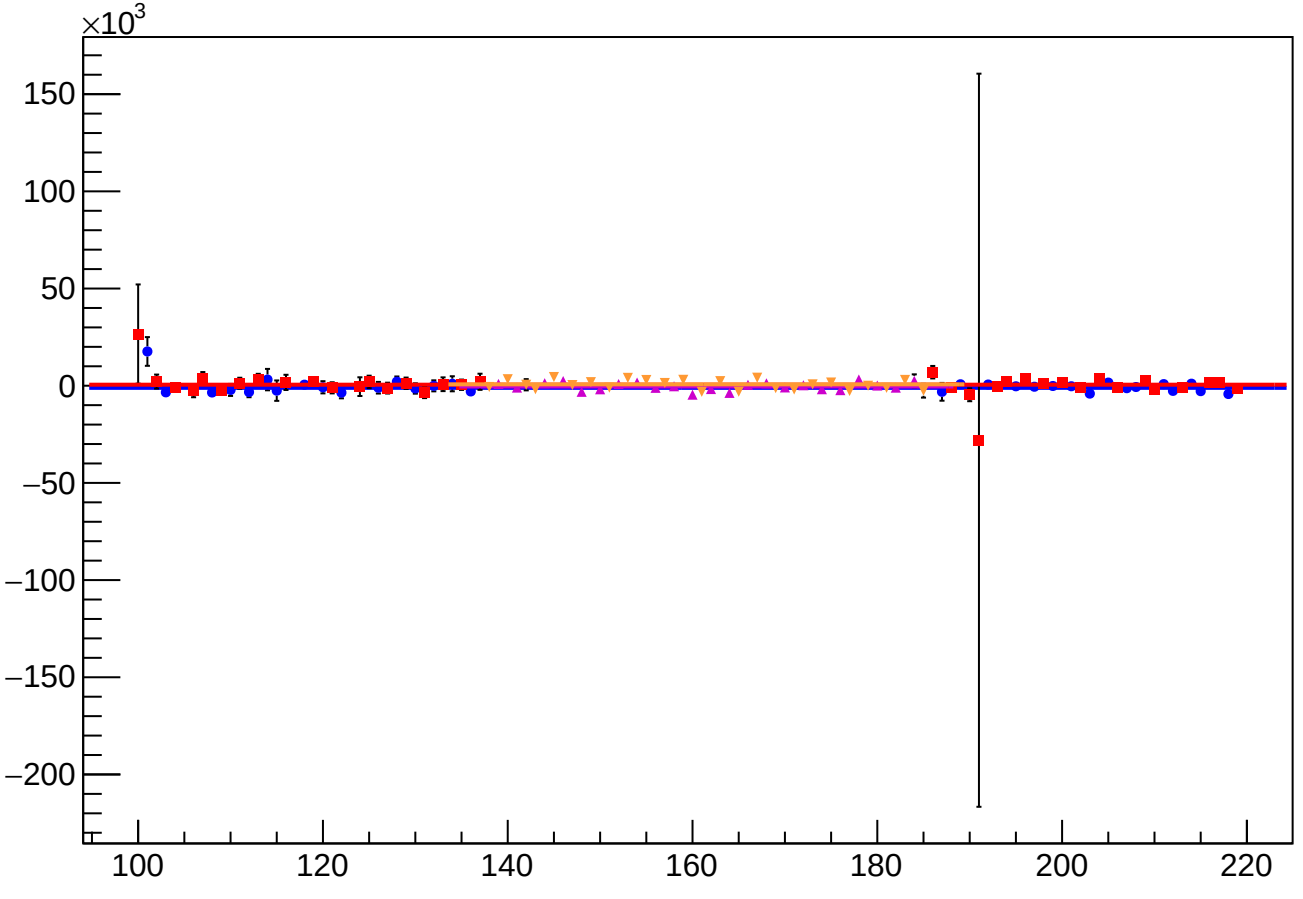
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4644.515+/-0.544 χ^2/NDF: 9564207.2/68

In: 4426.394+/-0.524 χ^2/NDF:5282870.6/54

Out: 4243.228+/-0.497 χ^2/NDF:7580119.1/61

All: 4329.933+/-0.361 χ^2/NDF: 12927324.7/1



Right In: -1095.267+/-433.047 χ^2/NDF: 24.9/31

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 528.527+/-422.197 χ^2/NDF: 27.6/36

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

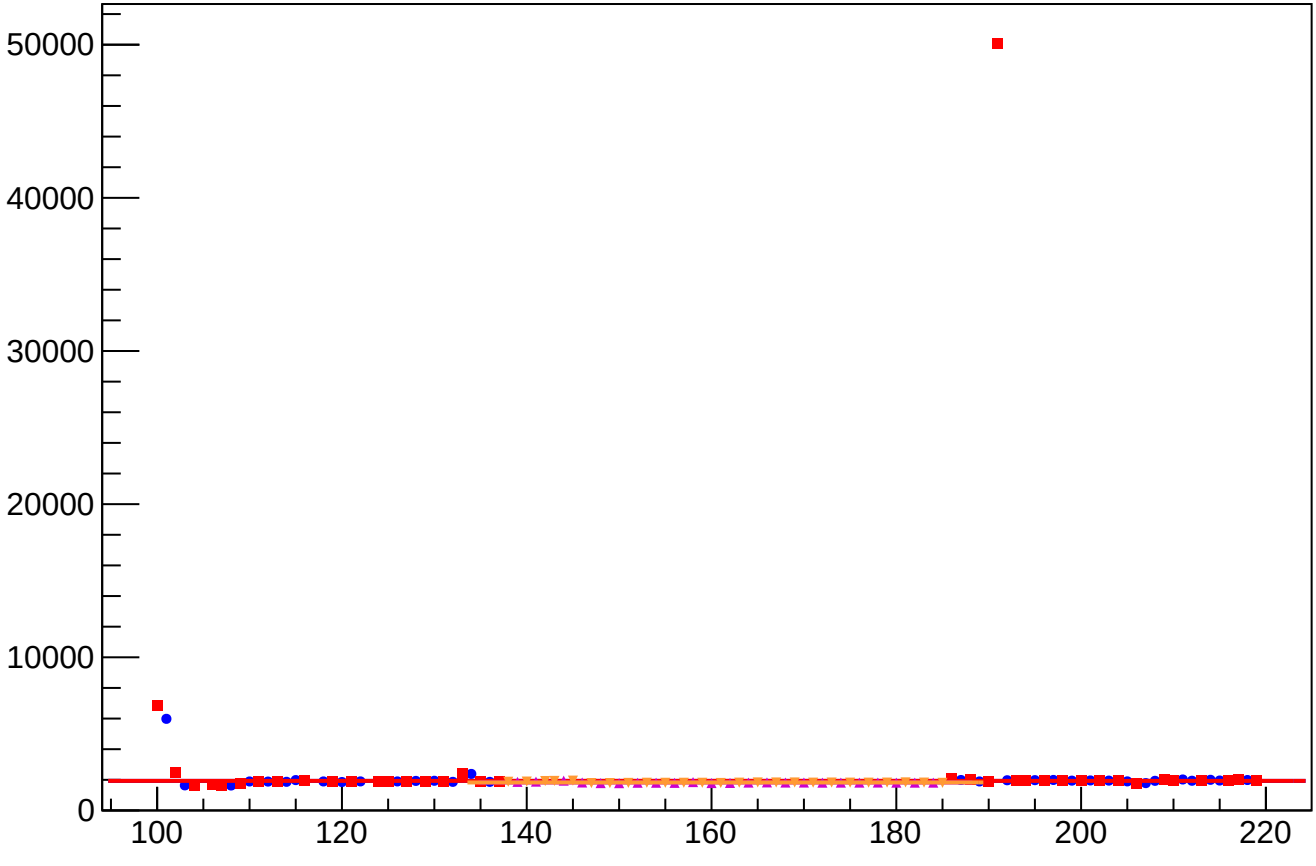
Right: -262.774+/-302.301 χ^2/NDF: 59.7/68

In: -743.620+/-303.766 χ^2/NDF:46.9/54

Out: 618.606+/-296.100 χ^2/NDF:59.6/61

All: -45.101+/-212.033 χ^2/NDF: 116.9/116

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1929.208+/-0.306 χ^2/NDF: 725608.2/31

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1931.312+/-0.298 χ^2/NDF: 401491.0/36

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

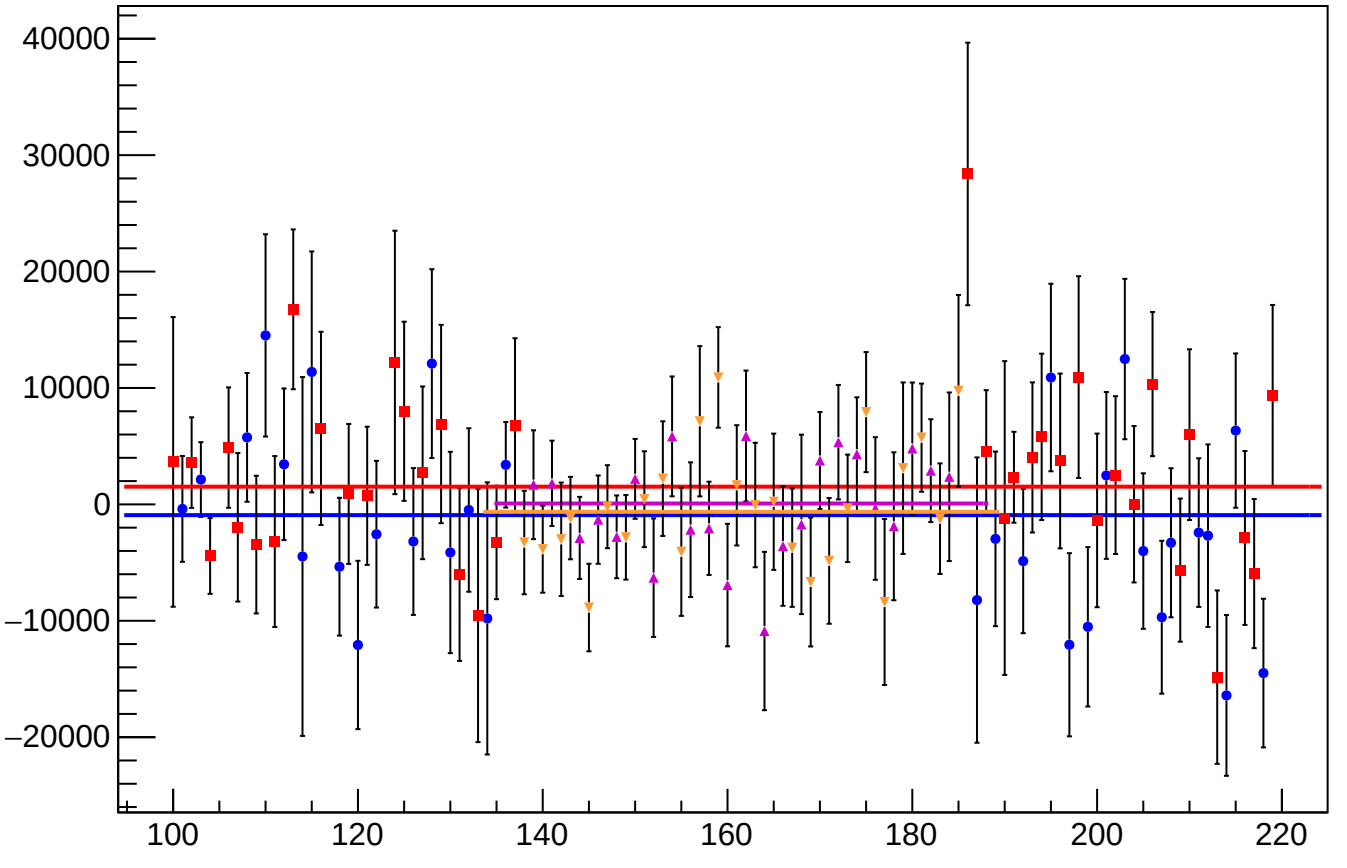
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1930.287+/-0.214 χ^2/NDF: 1127123.5/68

In: 1876.359+/-0.215 χ^2/NDF:797610.3/54

Out: 1878.968+/-0.209 χ^2/NDF:481421.7/61

All: 1877.697+/-0.150 χ^2/NDF: 1279107.7/11



Right In: -923.203+/-1132.332 χ^2/NDF: 39.2/31

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1521.836+/-1048.220 χ^2/NDF: 35.7/36

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

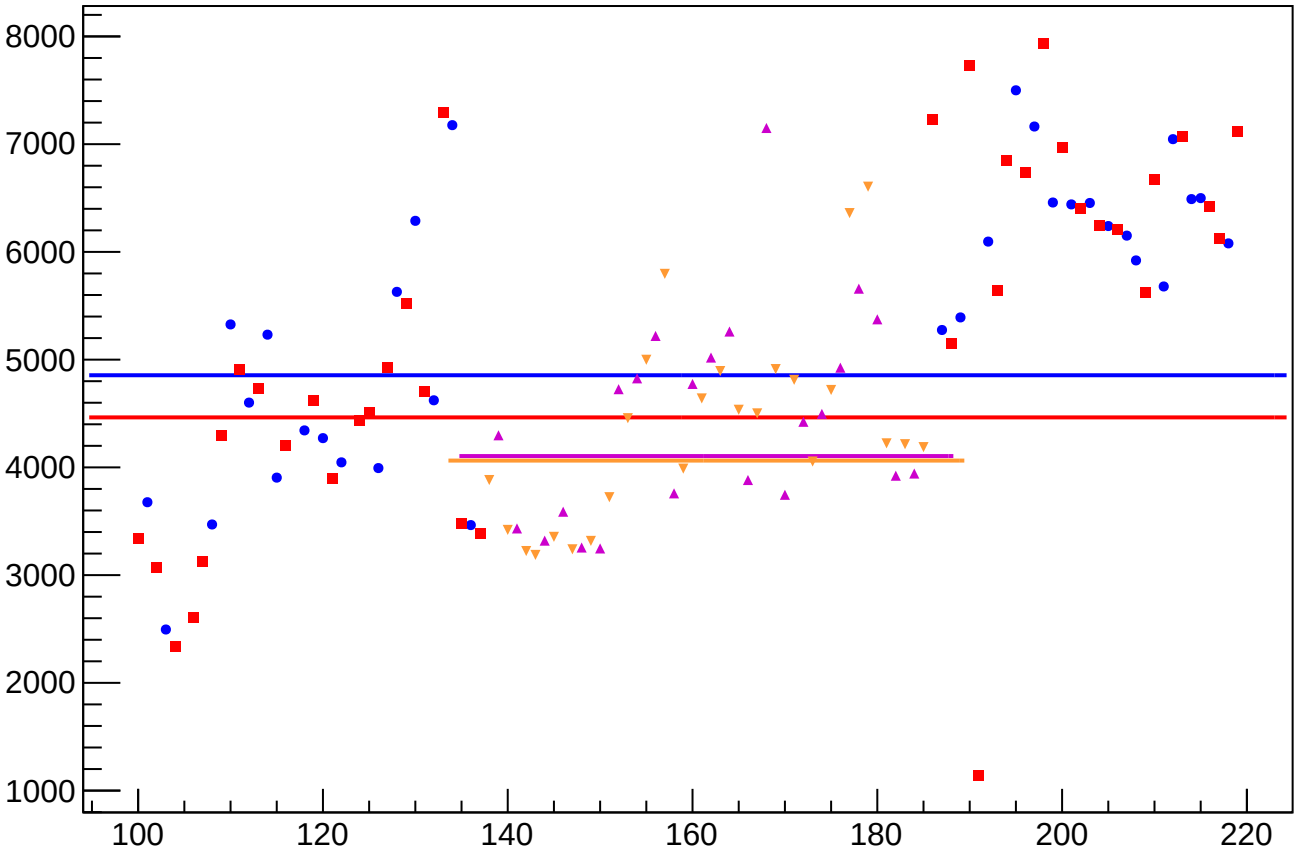
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 393.491+/-769.222 χ^2/NDF: 77.5/68

In: -352.157+/-741.118 χ^2/NDF:55.1/54

Out: 332.631+/-702.643 χ^2/NDF:64.0/61

All: 8.473+/-509.903 χ^2/NDF: 119.6/116



Right In: 4855.190+/-0.801 χ^2/NDF: 3421630.8/31

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4463.976+/-0.741 χ^2/NDF: 6014014.6/36

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

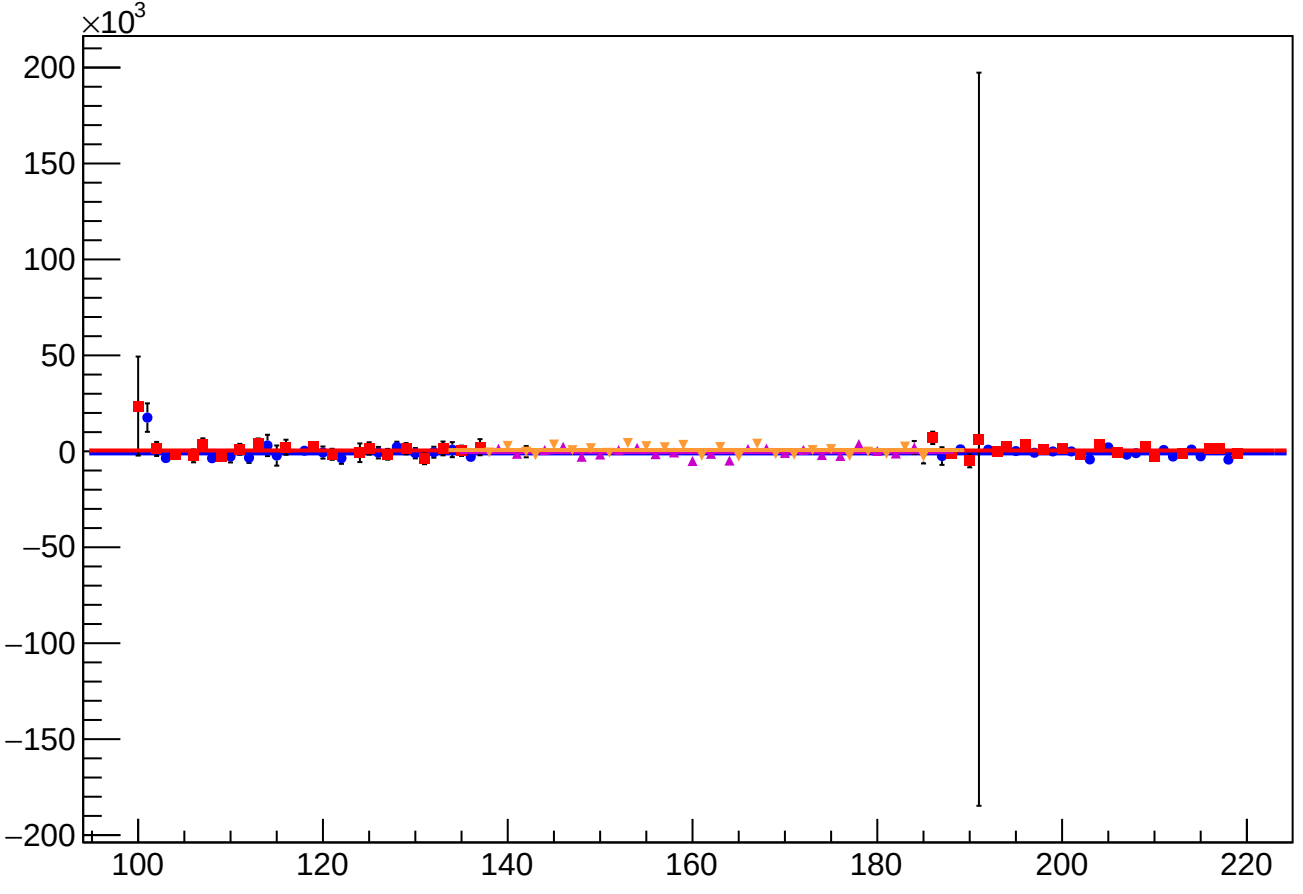
Right: 4644.515+/-0.544 χ^2/NDF: 9564207.2/68

In: 4426.394+/-0.524 χ^2/NDF:5282870.6/54

Out: 4243.228+/-0.497 χ^2/NDF:7580119.1/61

All: 4329.933+/-0.361 χ^2/NDF: 12927324.7/1

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1087.152+/-436.272 χ^2/NDF: 26.1/31

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 442.698+/-425.671 χ^2/NDF: 29.8/36

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

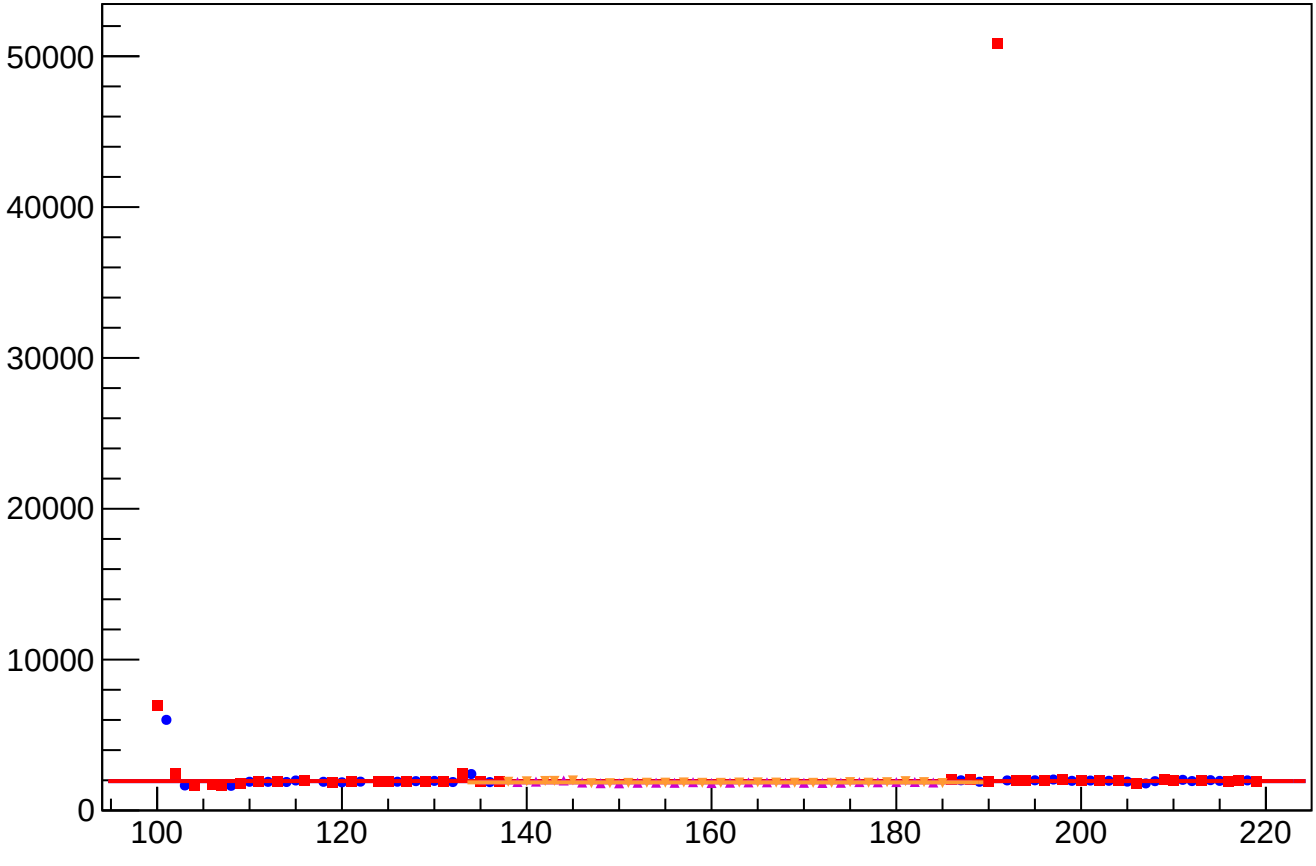
Right: -303.415+/-304.674 χ^2/NDF: 62.2/68

In: -747.133+/-307.633 χ^2/NDF:50.9/54

Out: 550.817+/-300.069 χ^2/NDF:57.0/61

All: -82.004+/-214.805 χ^2/NDF: 117.0/116

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1943.464+/-0.308 χ^2/NDF: 727571.5/31

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1946.781+/-0.301 χ^2/NDF: 409179.2/36

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

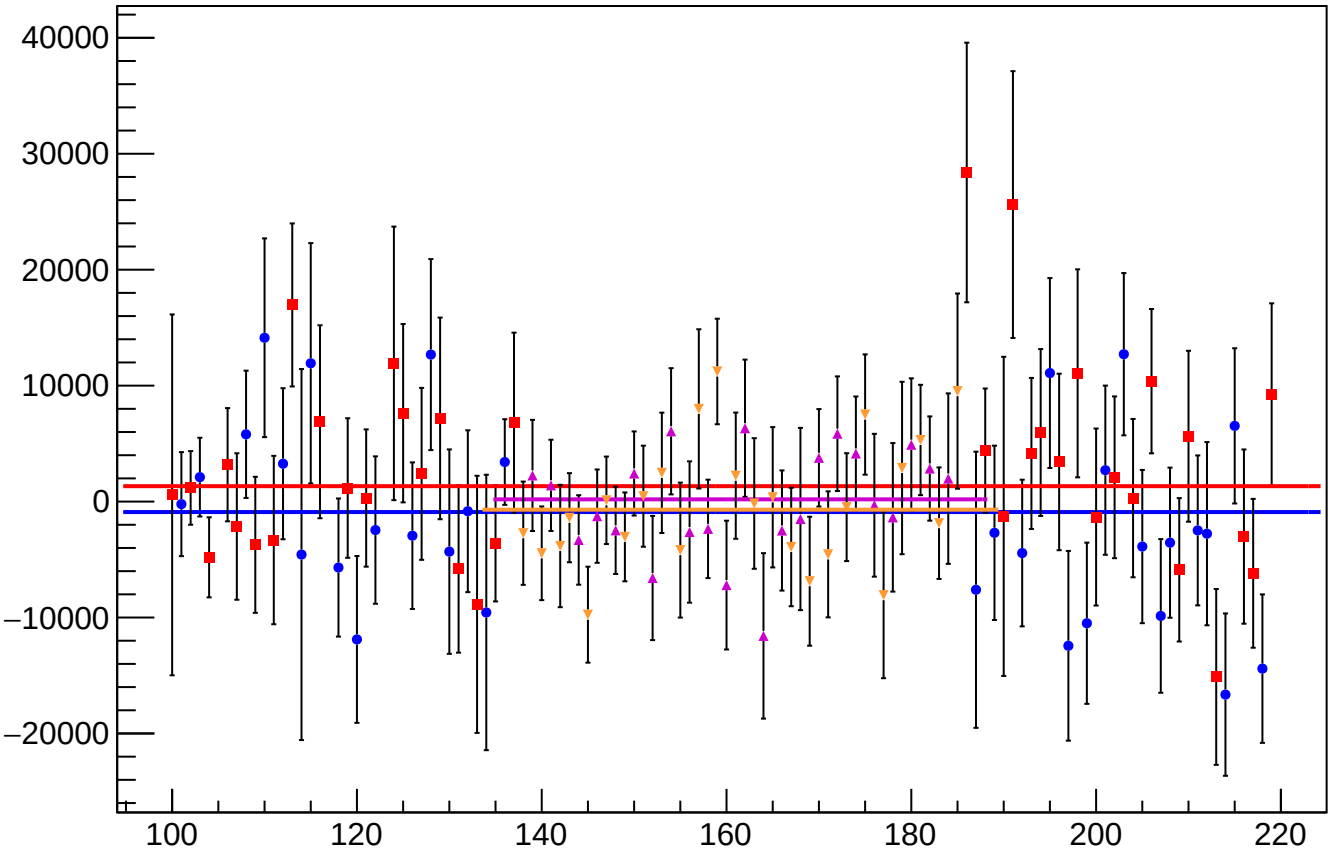
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1945.164+/-0.215 χ^2/NDF: 1136810.0/68

In: 1900.324+/-0.218 χ^2/NDF:782848.1/54

Out: 1904.011+/-0.212 χ^2/NDF:475375.8/61

All: 1902.214+/-0.152 χ^2/NDF: 1258371.1/11



Right In: -902.029+/-1145.645 χ^2/NDF: 39.1/31

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: 1329.803+/-1074.842 χ^2/NDF: 39.3/36

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

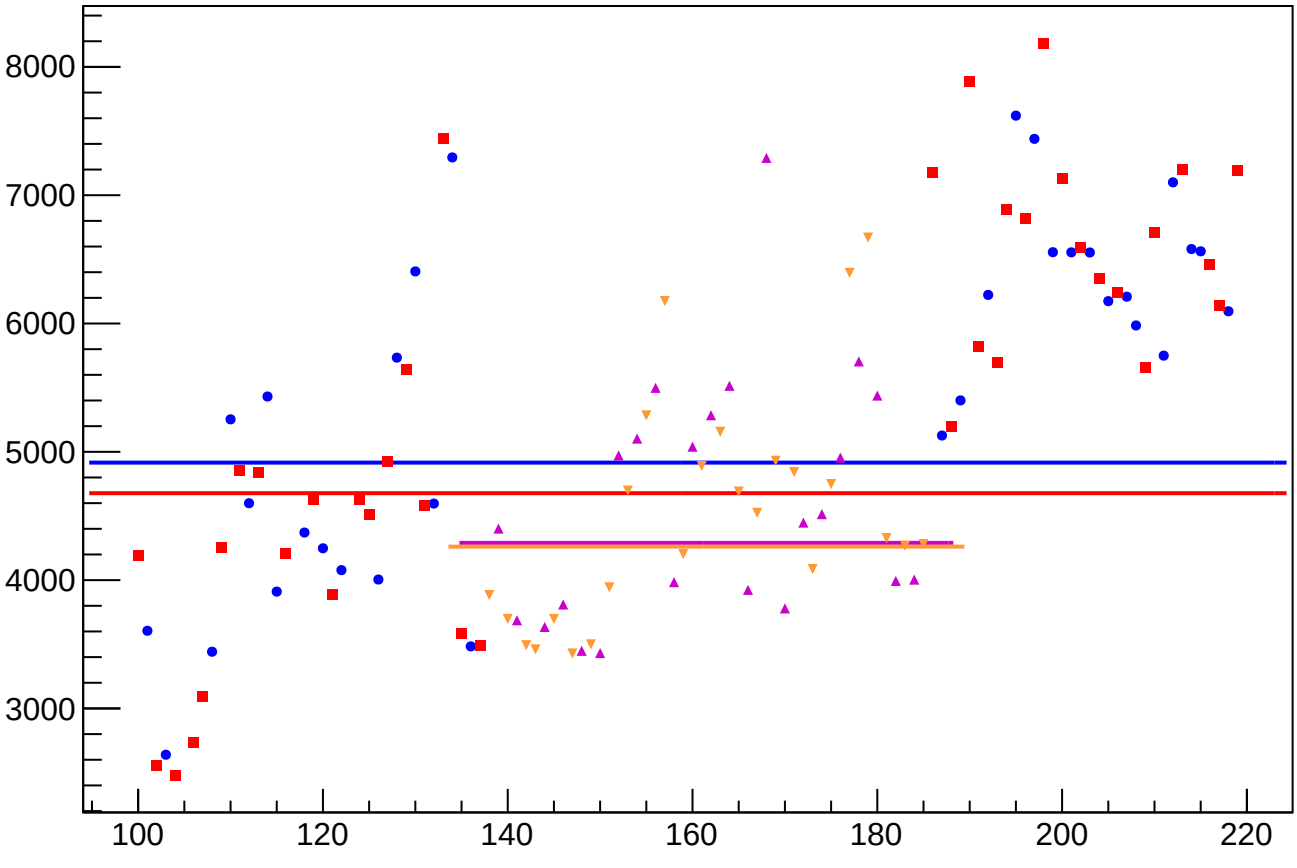
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 284.980+/-783.864 χ^2/NDF: 80.4/68

In: -292.790+/-762.840 χ^2/NDF:54.8/54

Out: 232.602+/-728.199 χ^2/NDF:66.6/61

All: -17.894+/-526.735 χ^2/NDF: 121.6/116



Right In: 4915.998+/-0.810 χ^2/NDF: 3331429.2/31

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4677.740+/-0.760 χ^2/NDF: 4896075.0/36

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

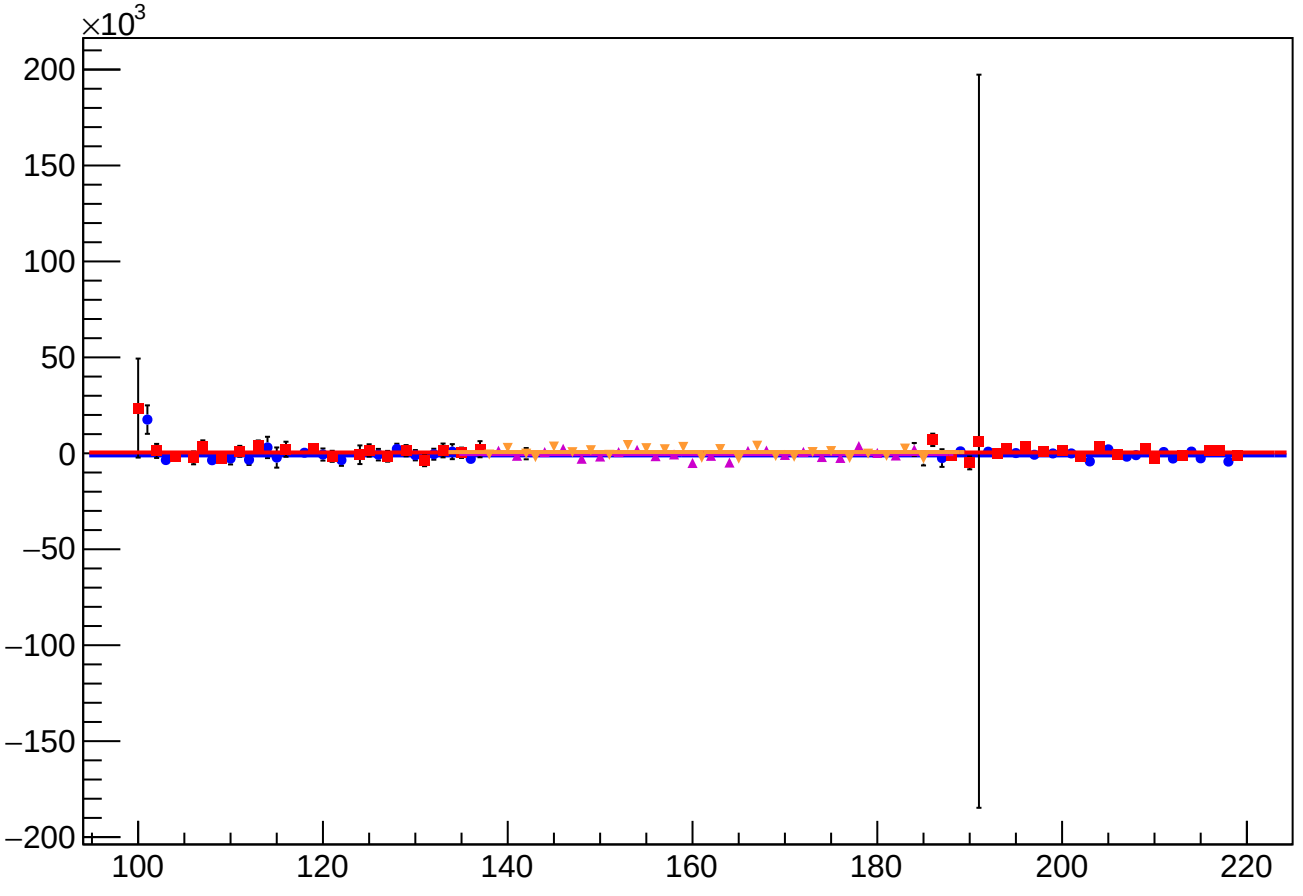
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4789.280+/-0.554 χ^2/NDF: 8273510.5/68

In: 4567.771+/-0.539 χ^2/NDF:4877357.1/54

Out: 4452.350+/-0.515 χ^2/NDF:6249195.8/61

All: 4507.380+/-0.372 χ^2/NDF: 11150509.0/1



Right In: -1087.146+/-436.272 χ^2/NDF: 26.1/31

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 442.694+/-425.671 χ^2/NDF: 29.8/36

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

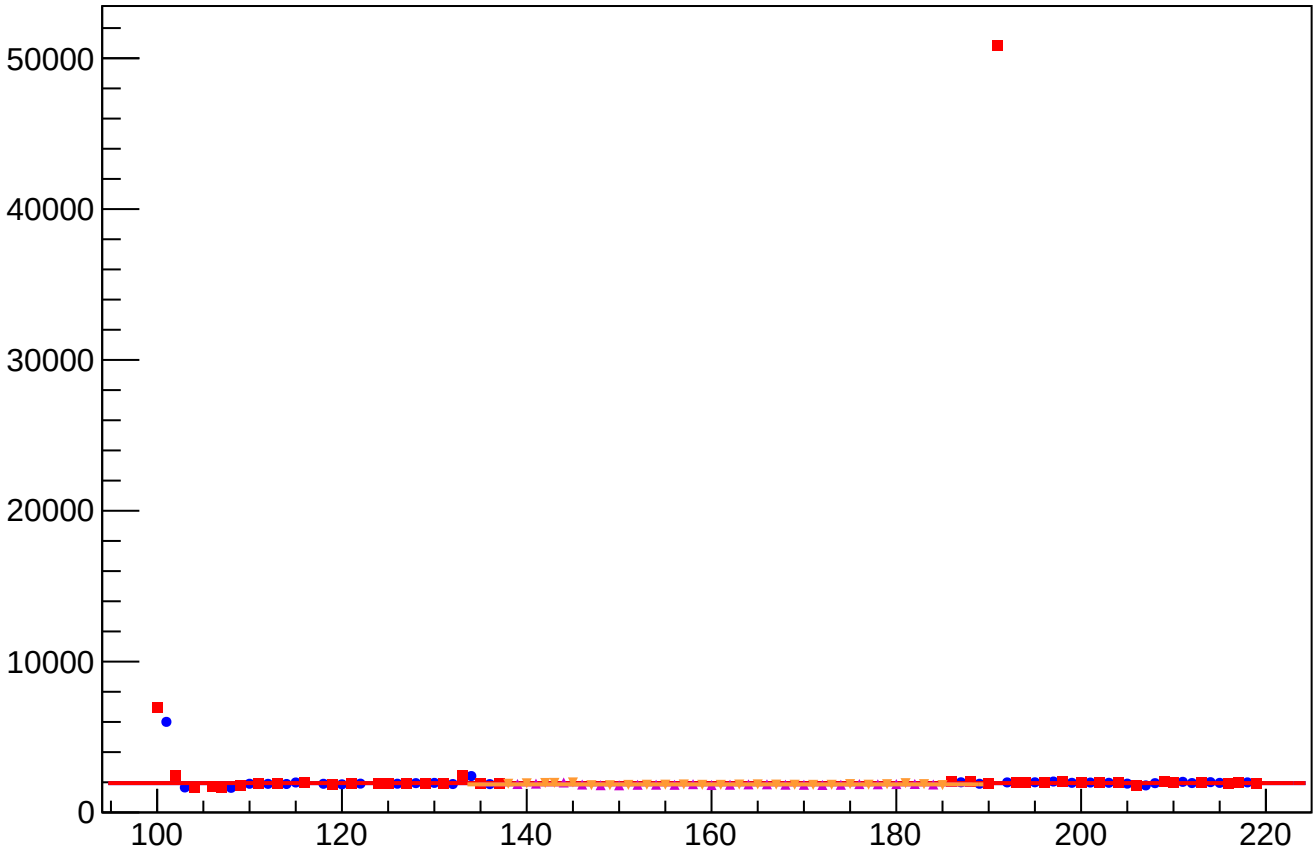
Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

Right: -303.414+/-304.674 χ^2/NDF: 62.2/68

In: -747.130+/-307.633 χ^2/NDF:50.9/54

Out: 550.818+/-300.069 χ^2/NDF:57.0/61

All: -82.002+/-214.805 χ^2/NDF: 117.0/116



Right In: 1943.464+/-0.308 χ^2/NDF: 727571.4/31

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1946.781+/-0.301 χ^2/NDF: 409179.4/36

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

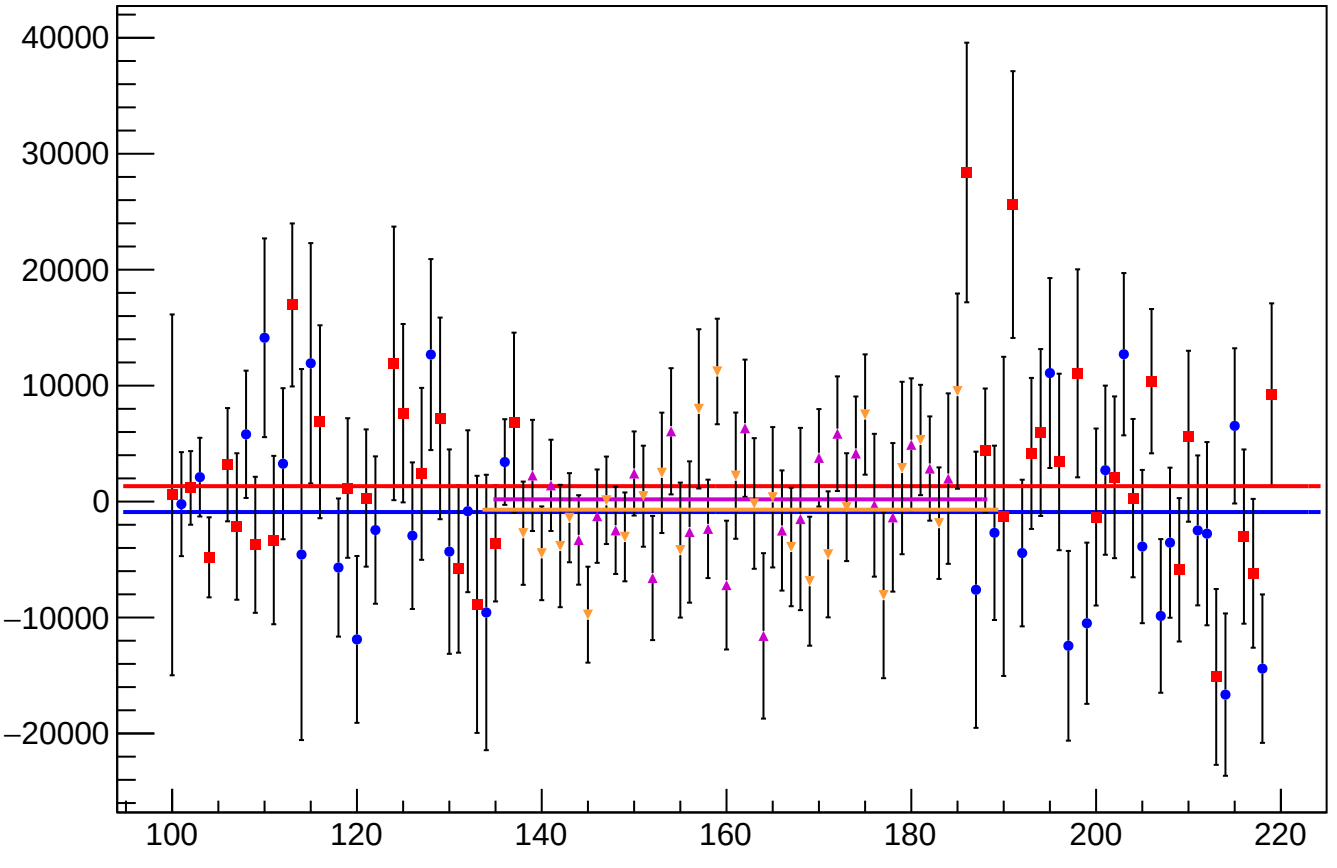
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

Right: 1945.164+/-0.215 χ^2/NDF: 1136810.0/68

In: 1900.324+/-0.218 χ^2/NDF:782847.3/54

Out: 1904.011+/-0.212 χ^2/NDF:475375.5/61

All: 1902.214+/-0.152 χ^2/NDF: 1258370.0/11



Right In: -902.035+/-1145.645 χ^2/NDF: 39.1/31

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: 1329.799+/-1074.842 χ^2/NDF: 39.3/36

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

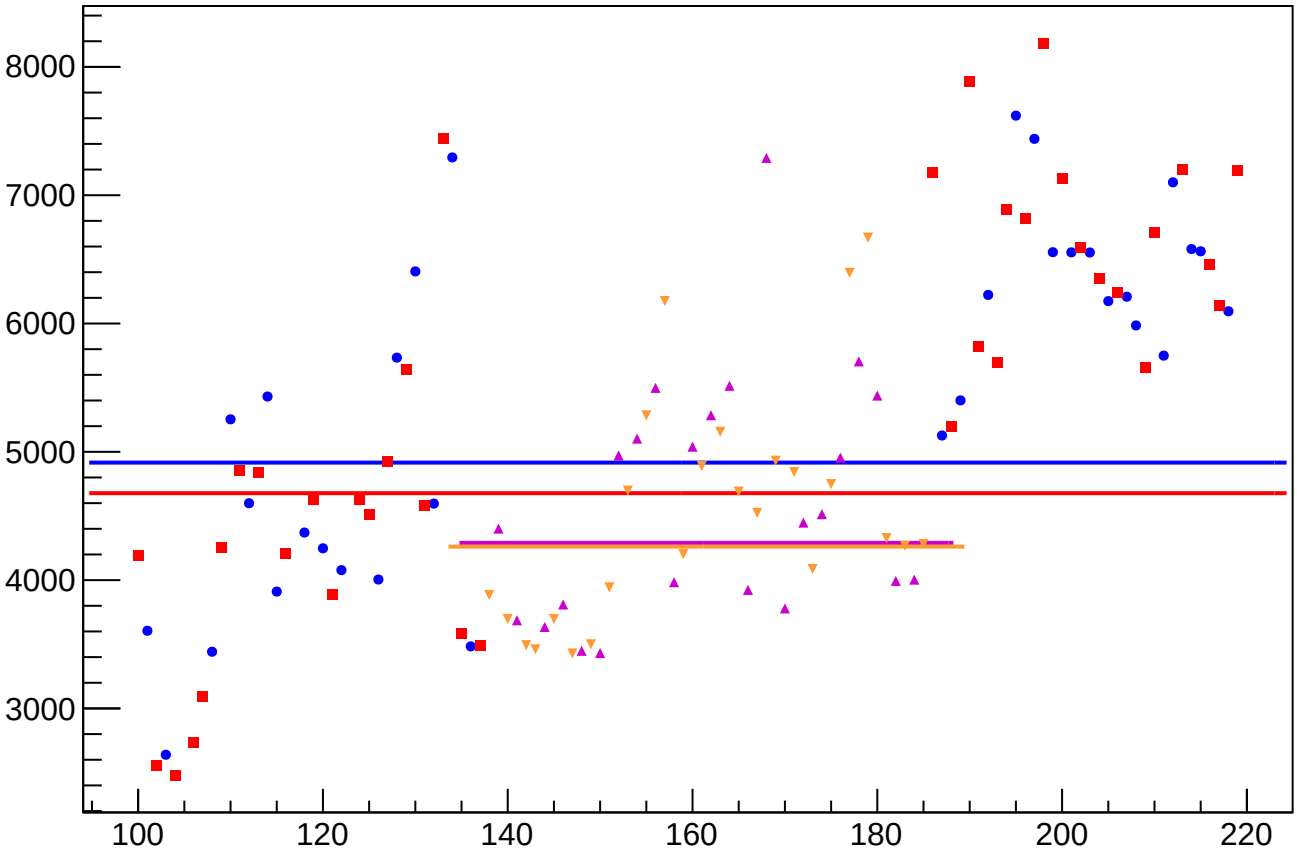
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 284.975+/-783.864 χ^2/NDF: 80.4/68

In: -292.792+/-762.841 χ^2/NDF:54.8/54

Out: 232.603+/-728.199 χ^2/NDF:66.6/61

All: -17.895+/-526.736 χ^2/NDF: 121.6/116



Right In: 4915.997+/-0.810 χ^2/NDF: 3331437.8/31

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4677.738+/-0.760 χ^2/NDF: 4896085.0/36

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

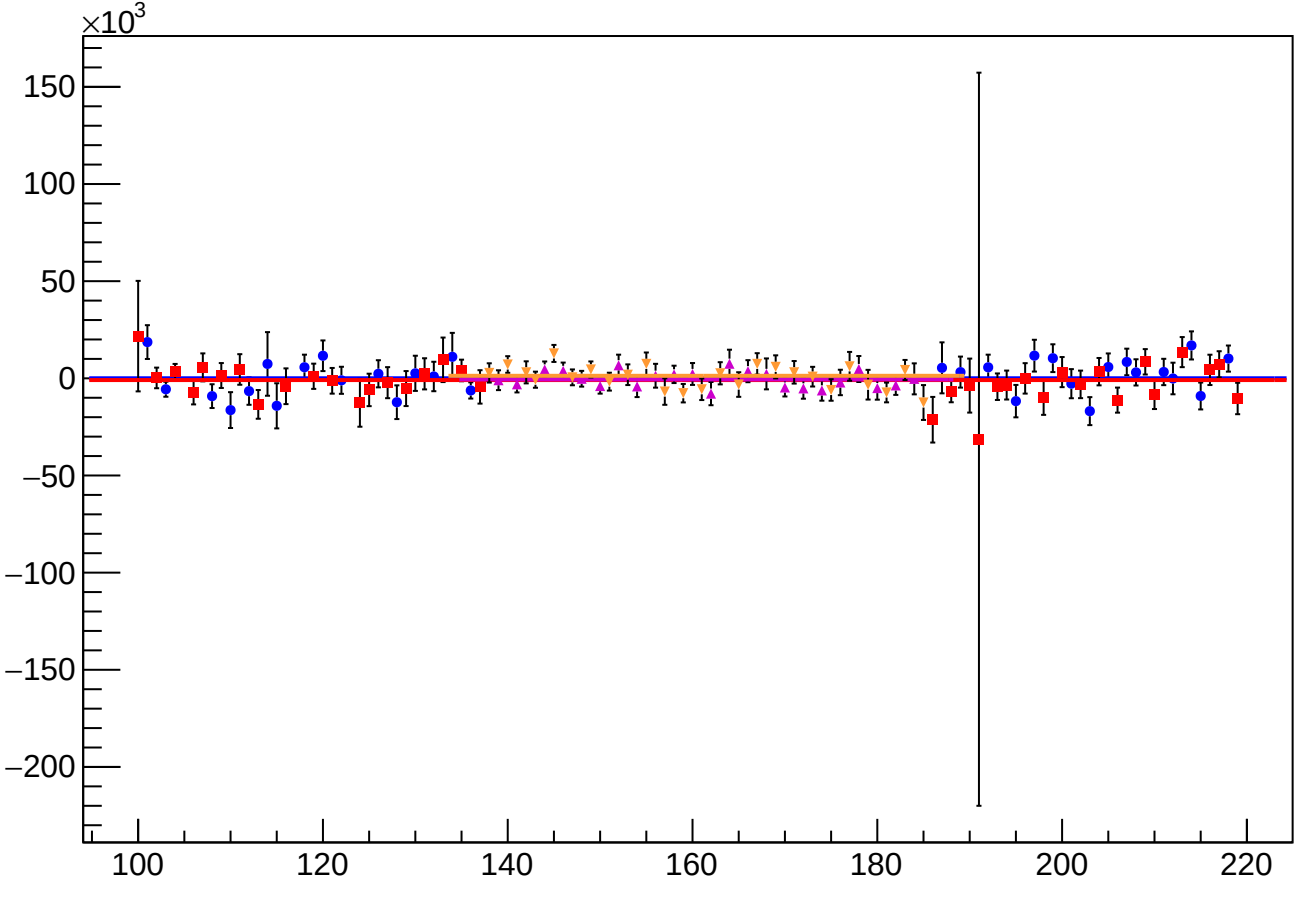
Right: 4789.278+/-0.554 χ^2/NDF: 8273529.7/68

In: 4567.774+/-0.539 χ^2/NDF:4877363.3/54

Out: 4452.353+/-0.515 χ^2/NDF:6249201.5/61

All: 4507.383+/-0.372 χ^2/NDF: 11150521.1/1

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: 27.182+/-1257.787 χ^2/NDF: 47.9/31

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -889.601+/-1210.182 χ^2/NDF: 29.3/36

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

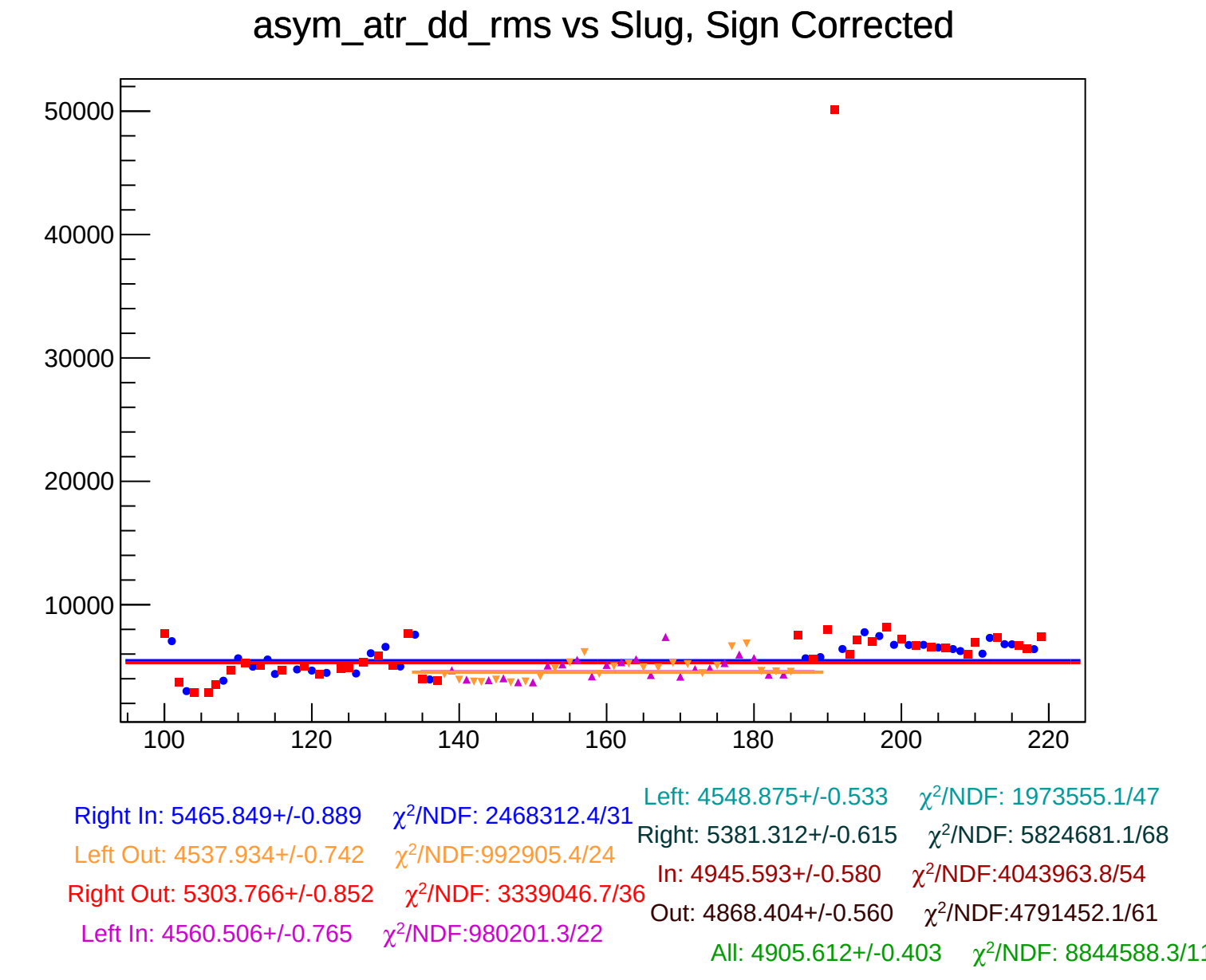
Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

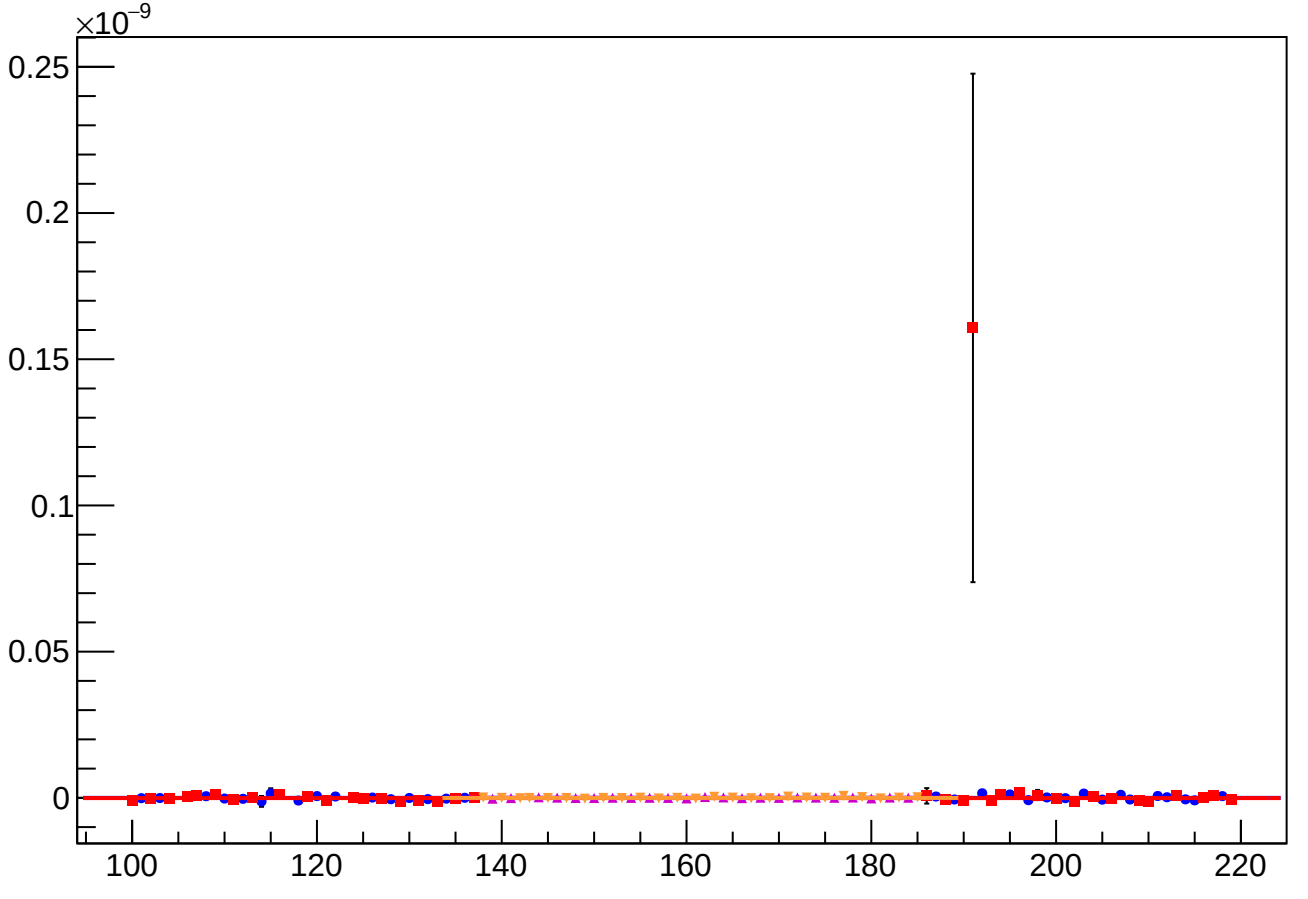
Right: -448.887+/-872.072 χ^2/NDF: 77.5/68

In: -319.691+/-820.314 χ^2/NDF:62.4/54

Out: 359.130+/-792.900 χ^2/NDF:59.7/61

All: 31.252+/-570.110 χ^2/NDF: 122.5/116


asym_atr_dd_rms vs Slug, Sign Corrected
50000
40000
30000
20000
10000
100
120
140
160
180
200
220
Right In: 5465.849+/-0.889 χ²/NDF: 2468312.4/31
Left Out: 4537.934+/-0.742 χ²/NDF:992905.4/24
Right Out: 5303.766+/-0.852 χ²/NDF: 3339046.7/36
Left In: 4560.506+/-0.765 χ²/NDF:980201.3/22
Left: 4548.875+/-0.533 χ²/NDF: 1973555.1/47
Right: 5381.312+/-0.615 χ²/NDF: 5824681.1/68
In: 4945.593+/-0.580 χ²/NDF:4043963.8/54
Out: 4868.404+/-0.560 χ²/NDF:4791452.1/61
All: 4905.612+/-0.403 χ²/NDF: 8844588.3/11



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/36

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

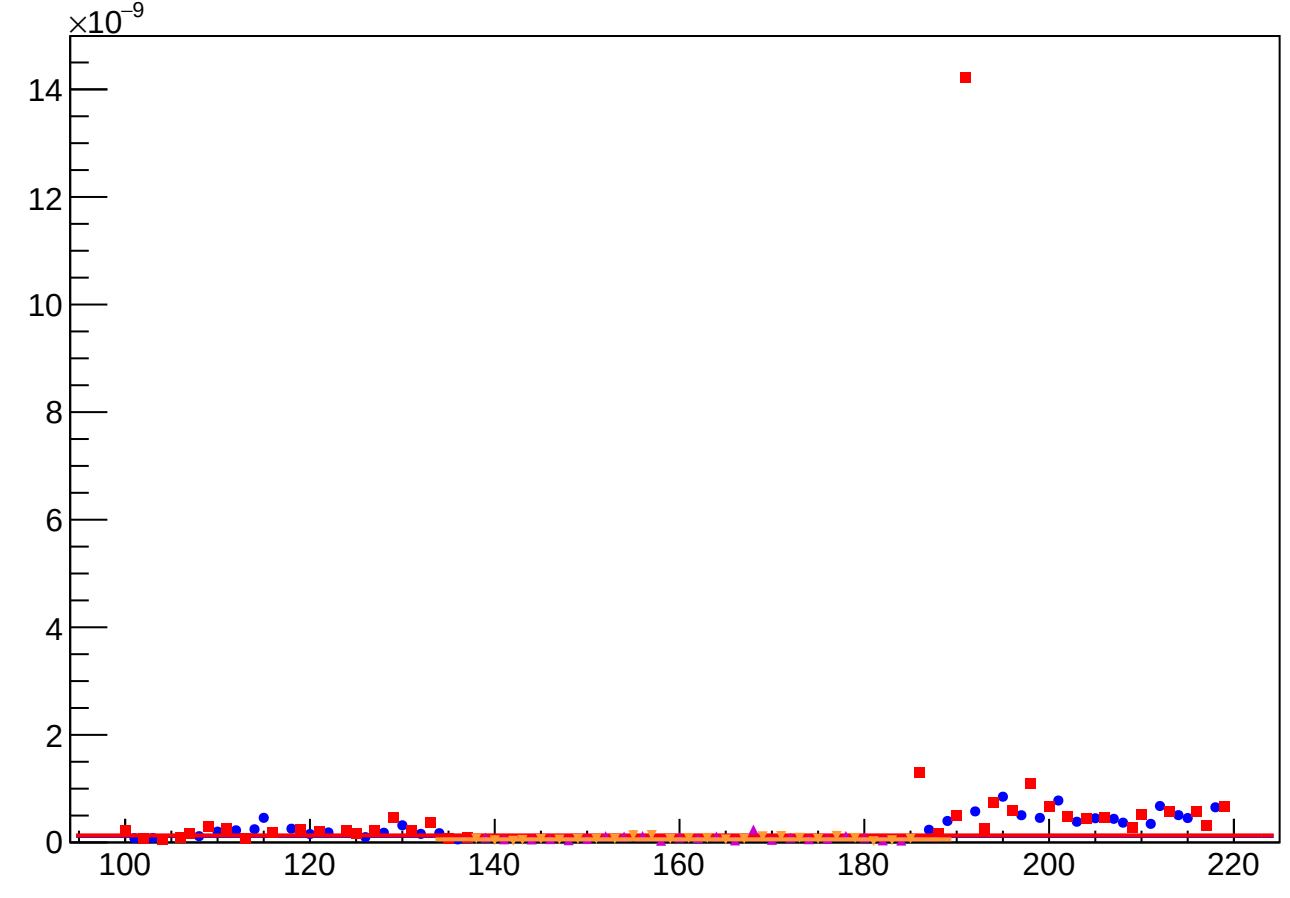
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

Right: -0.000+/-0.000 χ^2/NDF: 74.8/68

In: 0.000+/-0.000 χ^2/NDF:49.5/54

Out: -0.000+/-0.000 χ^2/NDF:83.8/61

All: -0.000+/-0.000 χ^2/NDF: 135.4/116



Right In: 0.000+/-0.000 χ^2/NDF: 8242825.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8401012.3/36

Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

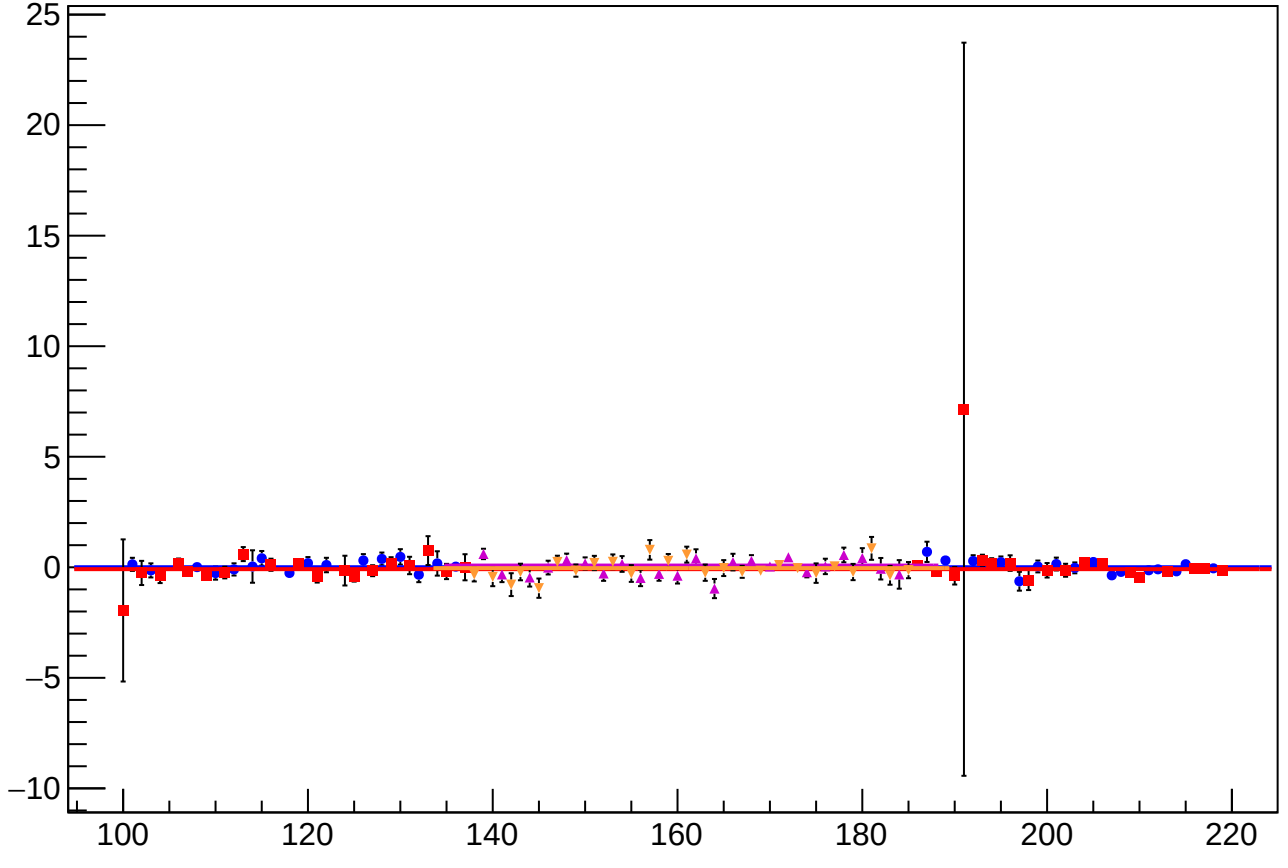
Left: 0.000+/-0.000 χ^2/NDF: 4039734.3/47

Right: 0.000+/-0.000 χ^2/NDF: 16668727.1/68

In: 0.000+/-0.000 χ^2/NDF:12226036.0/54

Out: 0.000+/-0.000 χ^2/NDF:12613674.3/61

All: 0.000+/-0.000 χ^2/NDF: 24842898.8/116



Right In: 0.002+/-0.041 χ^2/NDF: 30.7/31

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.084+/-0.039 χ^2/NDF: 33.4/36

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

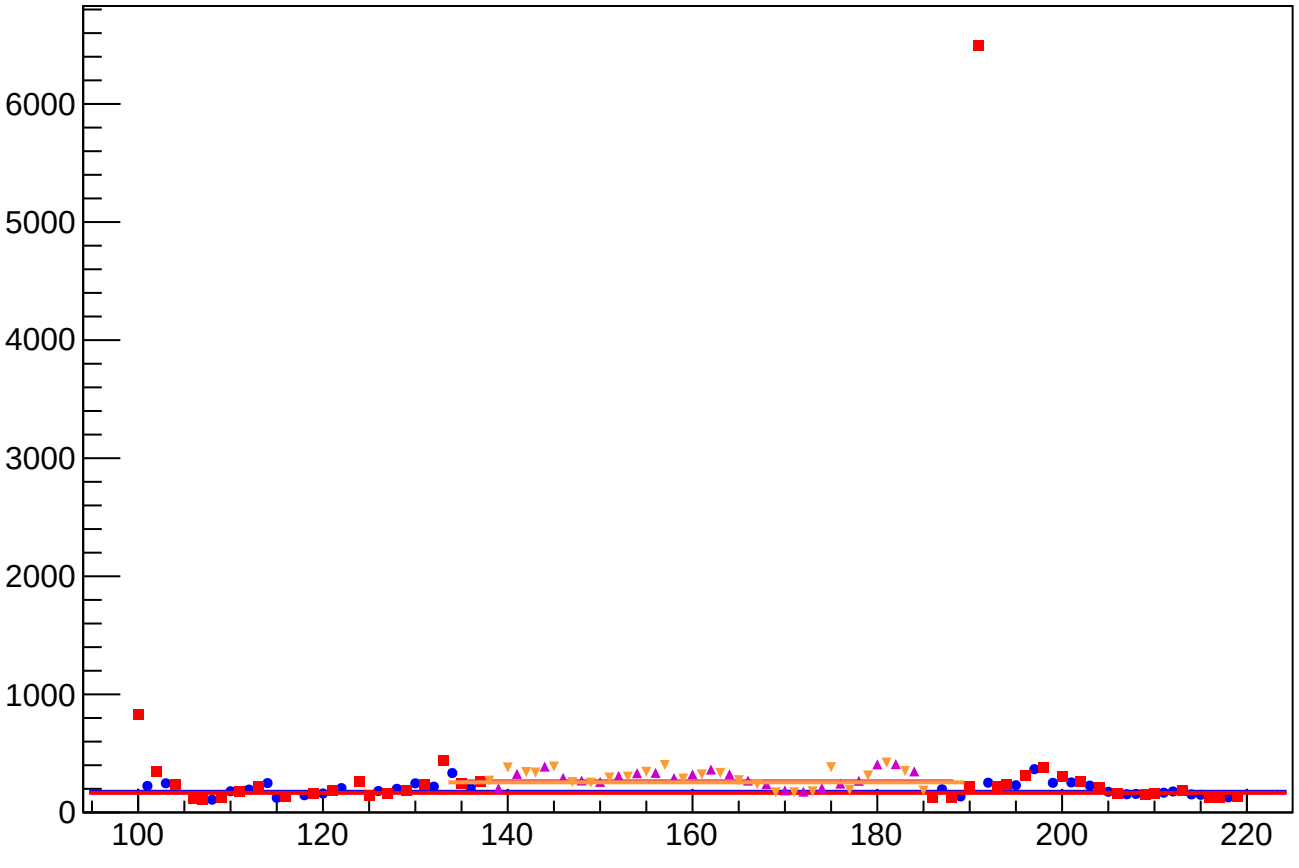
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.043+/-0.028 χ^2/NDF: 66.5/68

In: 0.024+/-0.035 χ^2/NDF:62.8/54

Out: -0.071+/-0.033 χ^2/NDF:58.3/61

All: -0.026+/-0.024 χ^2/NDF: 125.0/116



Right In: 174.999+/-0.029 χ^2/NDF: 2473964.2/31

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 165.938+/-0.028 χ^2/NDF: 4097785.8/36

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

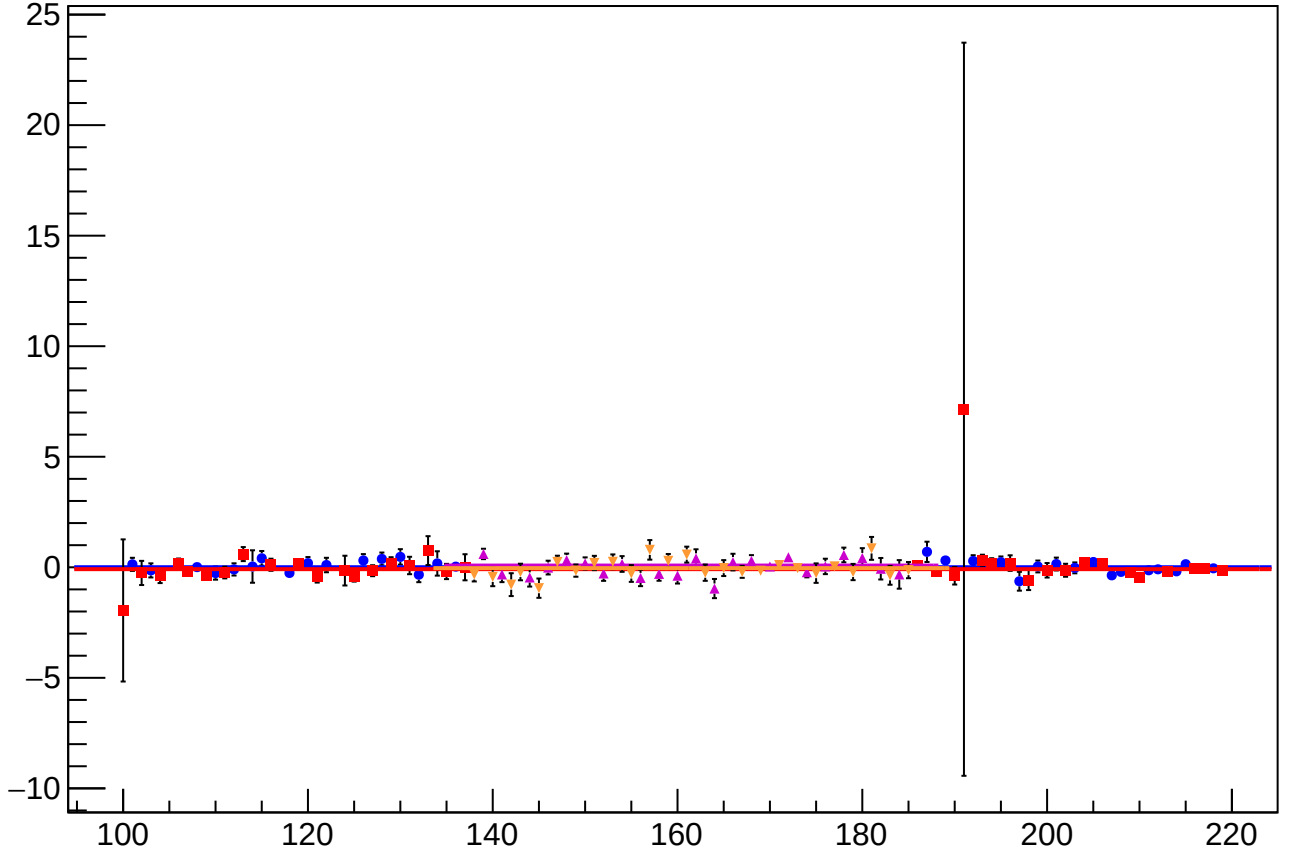
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 170.216+/-0.020 χ^2/NDF: 6622836.9/68

In: 200.218+/-0.025 χ^2/NDF:7108691.3/54

Out: 191.290+/-0.023 χ^2/NDF:10021031.7/61

All: 195.517+/-0.017 χ^2/NDF: 17199136.2/1



Right In: 0.002+/-0.041 χ^2/NDF: 30.7/31

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.084+/-0.039 χ^2/NDF: 33.4/36

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

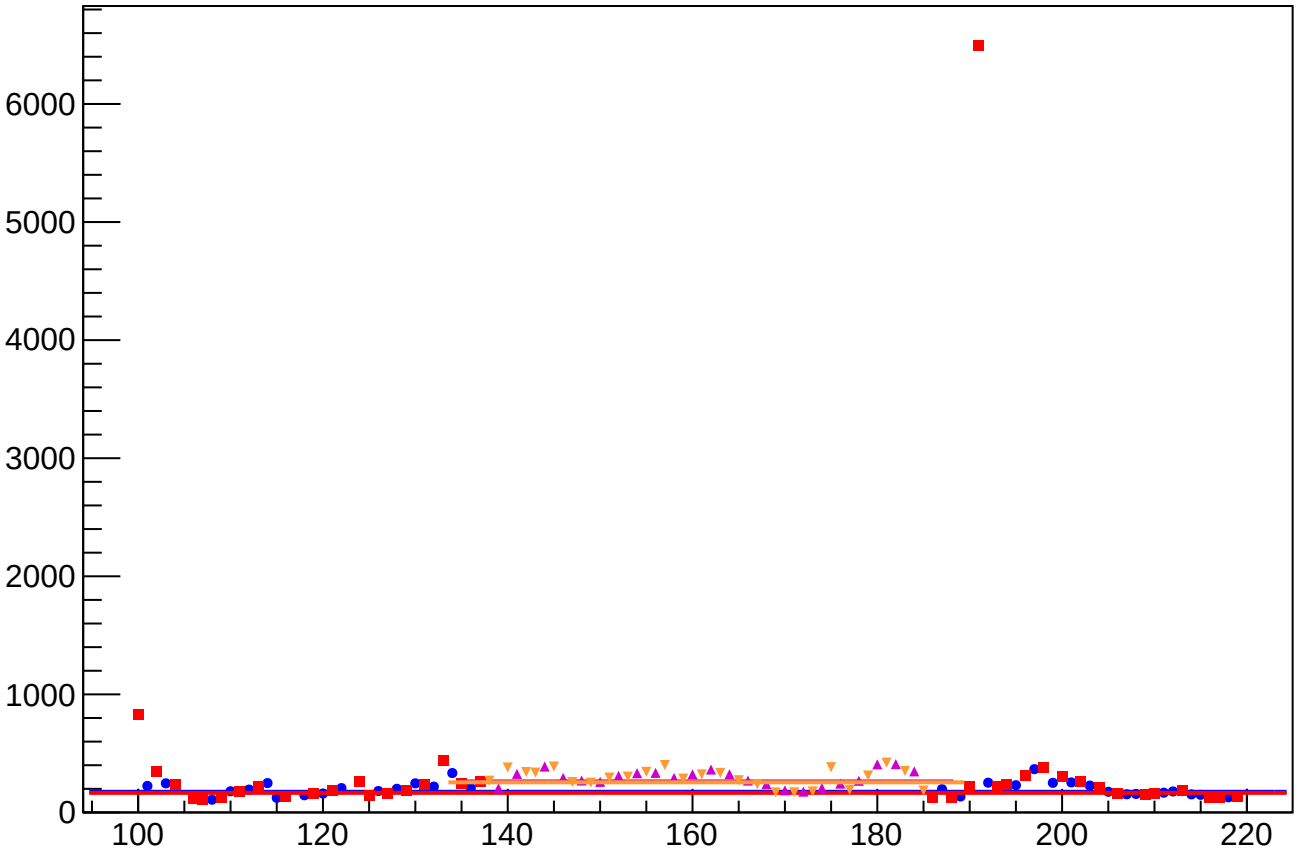
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.043+/-0.028 χ^2/NDF: 66.5/68

In: 0.024+/-0.035 χ^2/NDF:62.8/54

Out: -0.071+/-0.033 χ^2/NDF:58.3/61

All: -0.026+/-0.024 χ^2/NDF: 125.0/116



Right In: 174.999+/-0.029 χ^2/NDF: 2473964.2/31

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 165.938+/-0.028 χ^2/NDF: 4097785.8/36

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

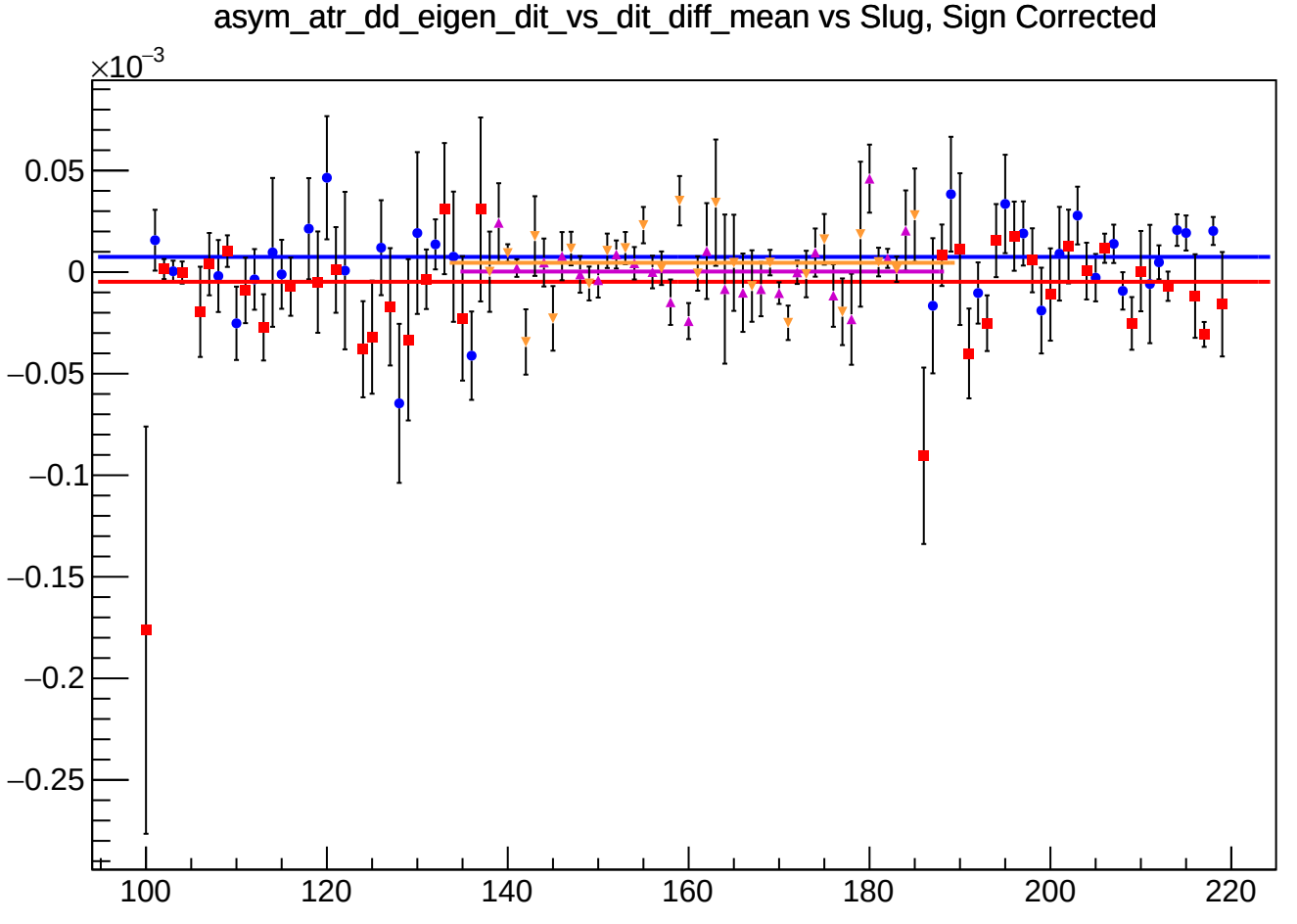
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 170.216+/-0.020 χ^2/NDF: 6622836.9/68

In: 200.218+/-0.025 χ^2/NDF:7108691.3/54

Out: 191.290+/-0.023 χ^2/NDF:10021031.7/61

All: 195.517+/-0.017 χ^2/NDF: 17199136.2/11



Right In: 0.000+/-0.000 χ^2/NDF: 38.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 58.0/36

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

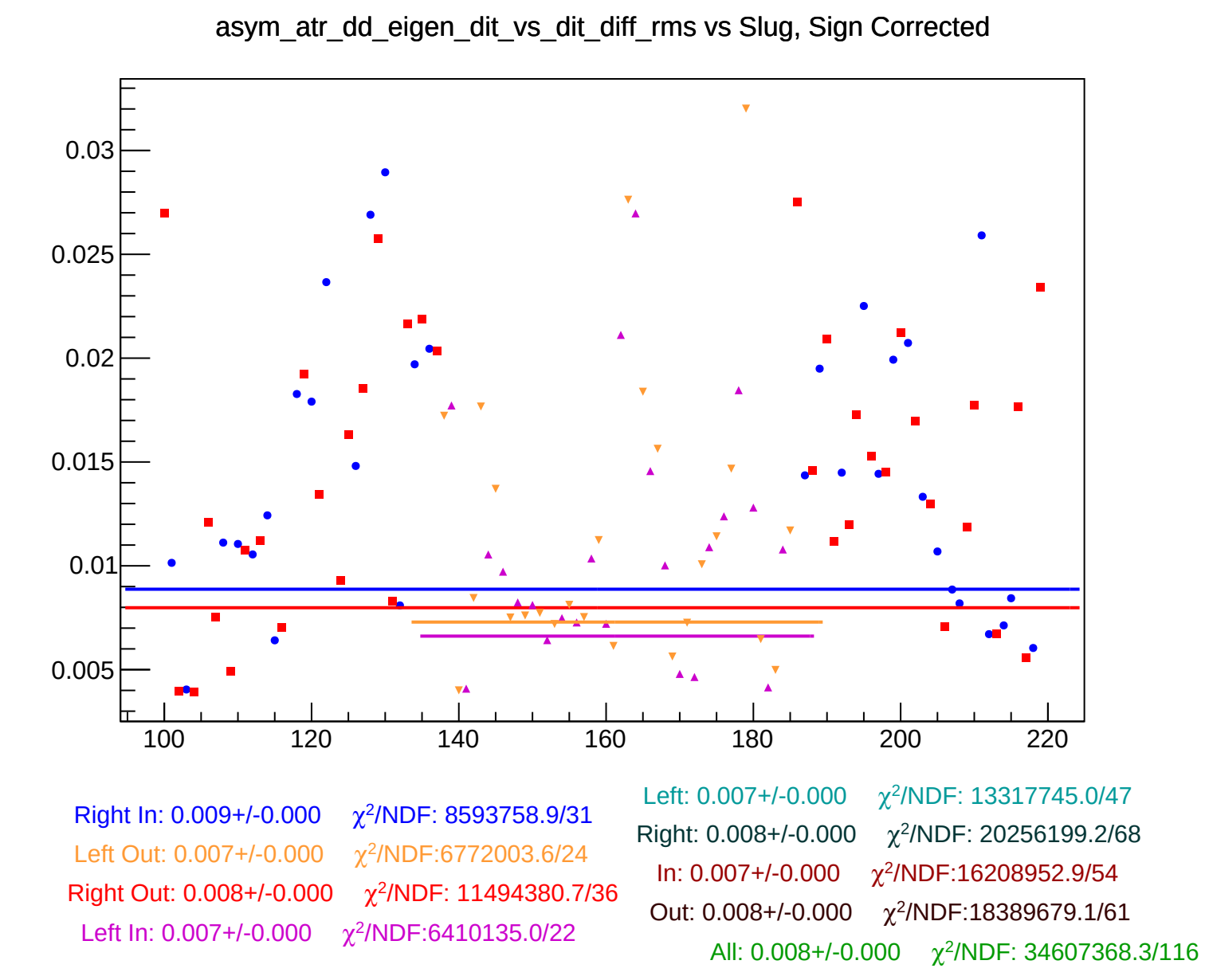
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

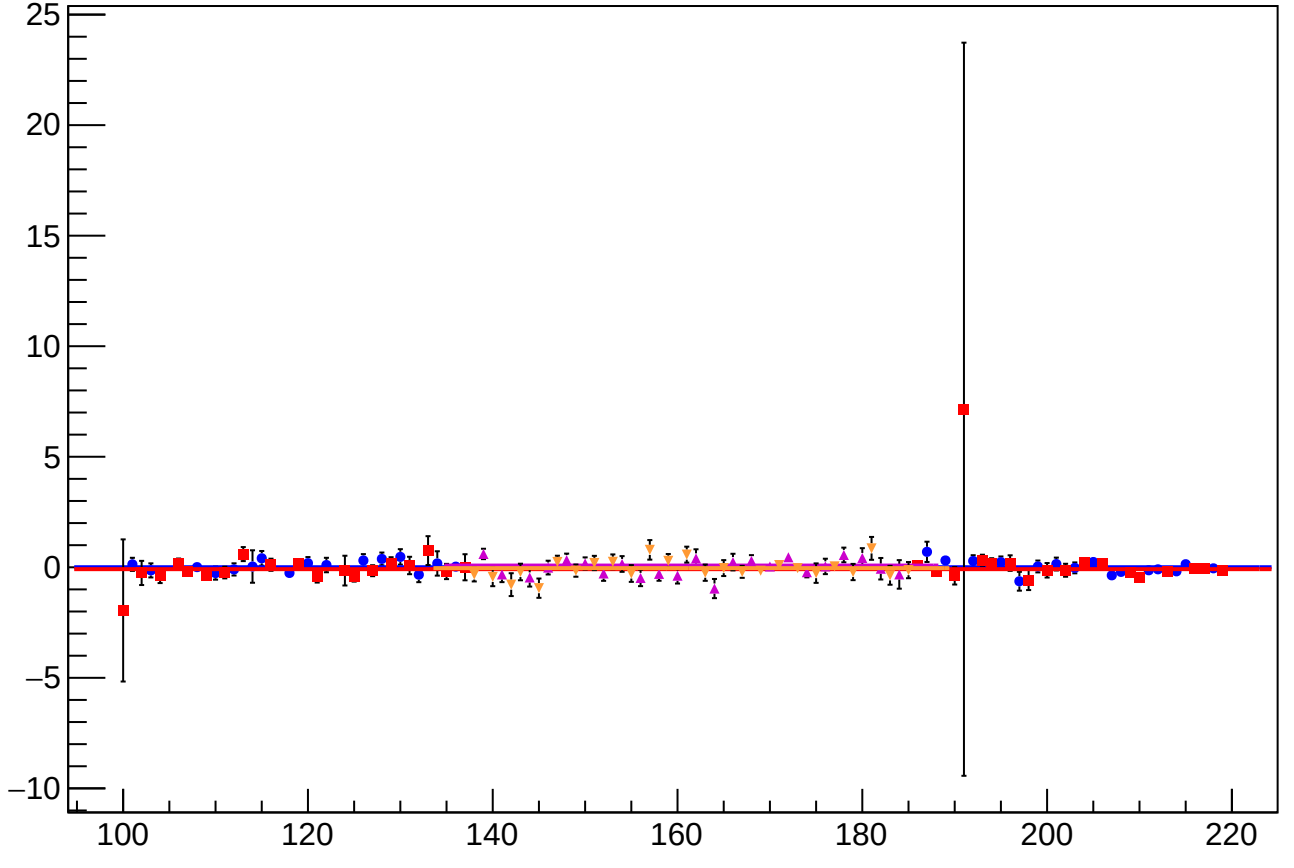
Right: 0.000+/-0.000 χ^2/NDF: 112.5/68

In: 0.000+/-0.000 χ^2/NDF:76.1/54

Out: 0.000+/-0.000 χ^2/NDF:112.6/61

All: 0.000+/-0.000 χ^2/NDF: 190.6/116


asym_atr_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: 0.009+/-0.000 χ²/NDF: 8593758.9/31
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.008+/-0.000 χ²/NDF: 11494380.7/36
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
Left: 0.007+/-0.000 χ²/NDF: 13317745.0/47
Right: 0.008+/-0.000 χ²/NDF: 20256199.2/68
In: 0.007+/-0.000 χ²/NDF:16208952.9/54
Out: 0.008+/-0.000 χ²/NDF:18389679.1/61
All: 0.008+/-0.000 χ²/NDF: 34607368.3/116



Right In: 0.003+/-0.041 χ^2/NDF: 30.7/31

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.084+/-0.039 χ^2/NDF: 33.4/36

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

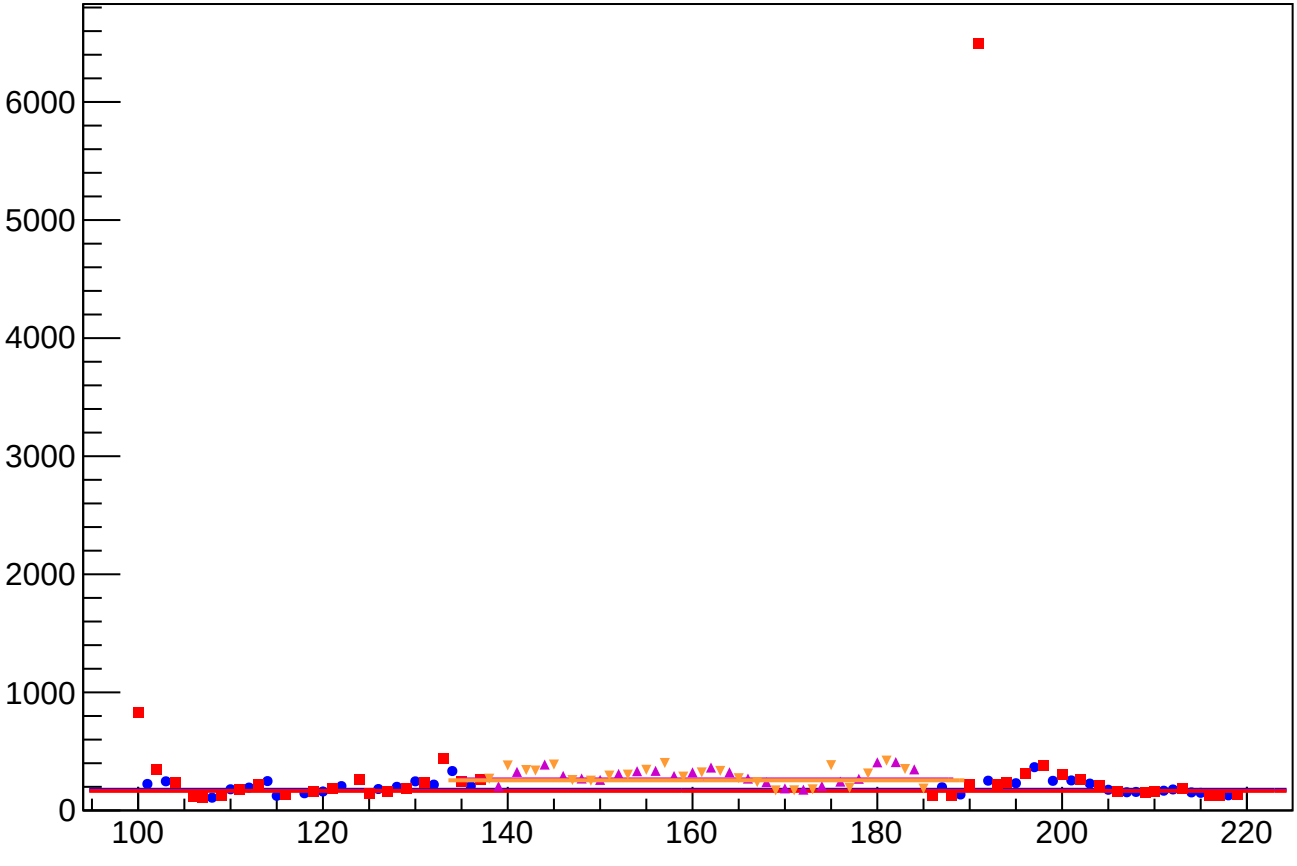
Right: -0.043+/-0.028 χ^2/NDF: 66.5/68

In: 0.024+/-0.035 χ^2/NDF:62.8/54

Out: -0.071+/-0.033 χ^2/NDF:58.3/61

All: -0.026+/-0.024 χ^2/NDF: 125.0/116

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 175.000+/-0.029 χ^2/NDF: 2473964.3/31

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 165.940+/-0.028 χ^2/NDF: 4097718.0/36

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

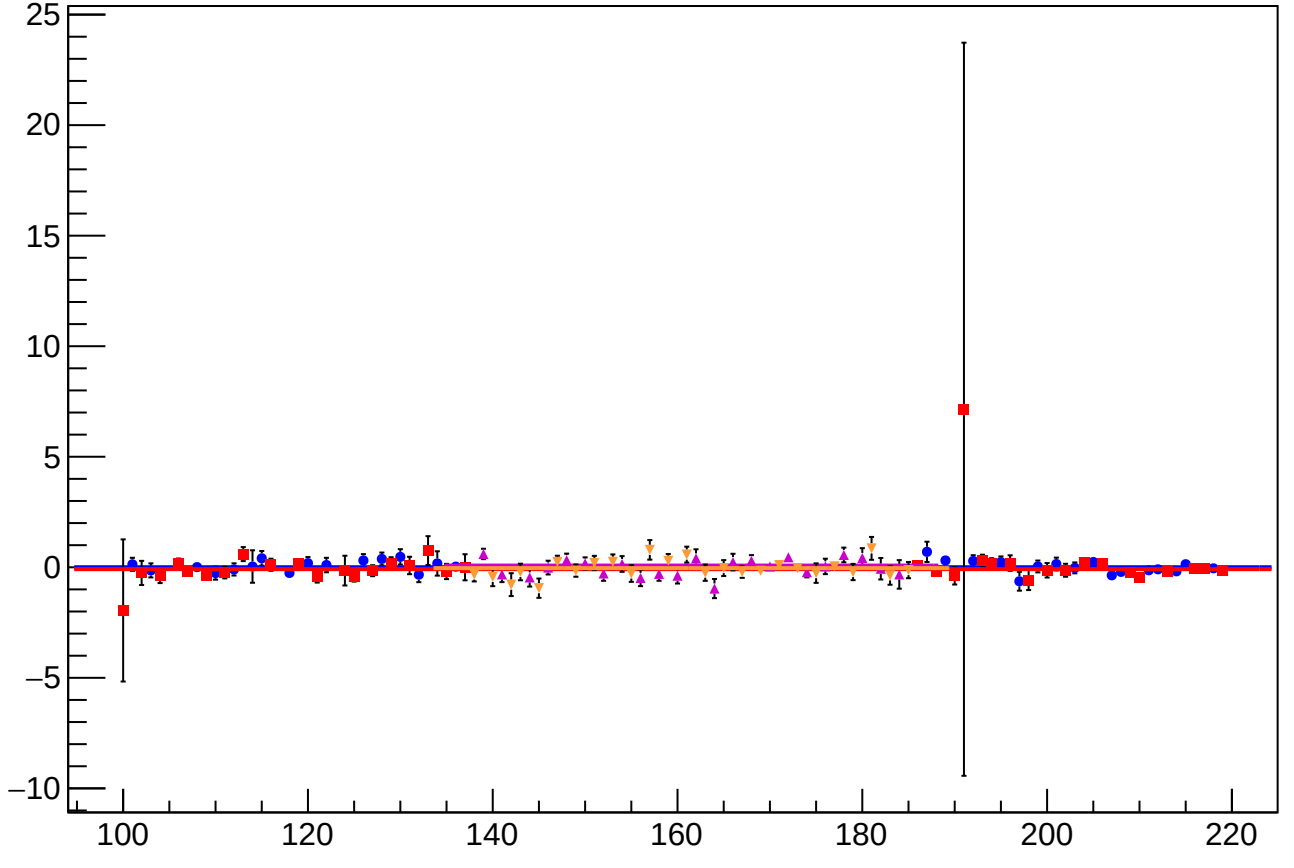
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 170.217+/-0.020 χ^2/NDF: 6622758.2/68

In: 200.219+/-0.025 χ^2/NDF:7108820.7/54

Out: 191.292+/-0.023 χ^2/NDF:10021064.3/61

All: 195.518+/-0.017 χ^2/NDF: 17199285.7/1



Right In: 0.003+/-0.041 χ^2/NDF: 30.7/31

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.084+/-0.039 χ^2/NDF: 33.4/36

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

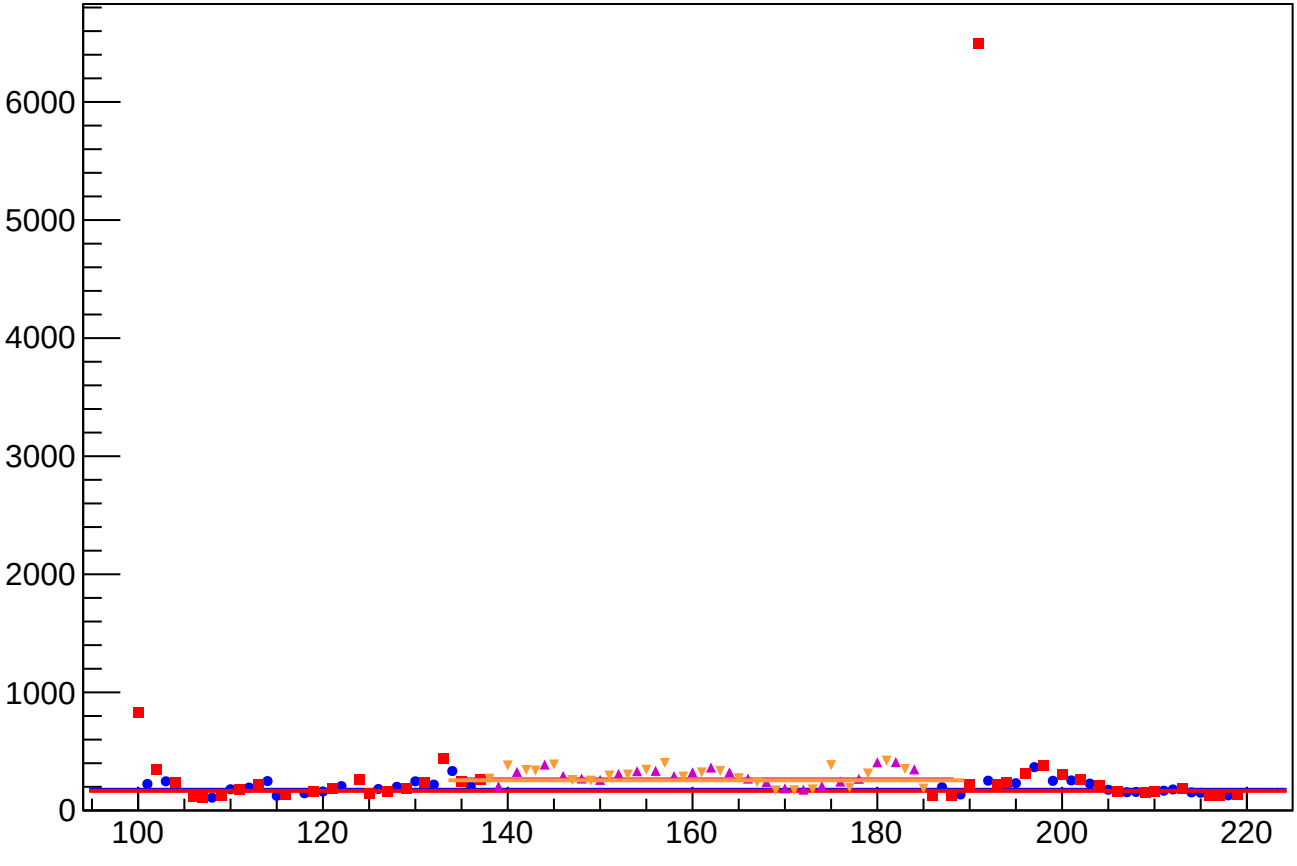
Right: -0.043+/-0.028 χ^2/NDF: 66.5/68

In: 0.024+/-0.035 χ^2/NDF:62.8/54

Out: -0.071+/-0.033 χ^2/NDF:58.3/61

All: -0.026+/-0.024 χ^2/NDF: 125.0/116

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 175.000+/-0.029 χ^2/NDF: 2473964.3/31

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 165.940+/-0.028 χ^2/NDF: 4097718.0/36

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

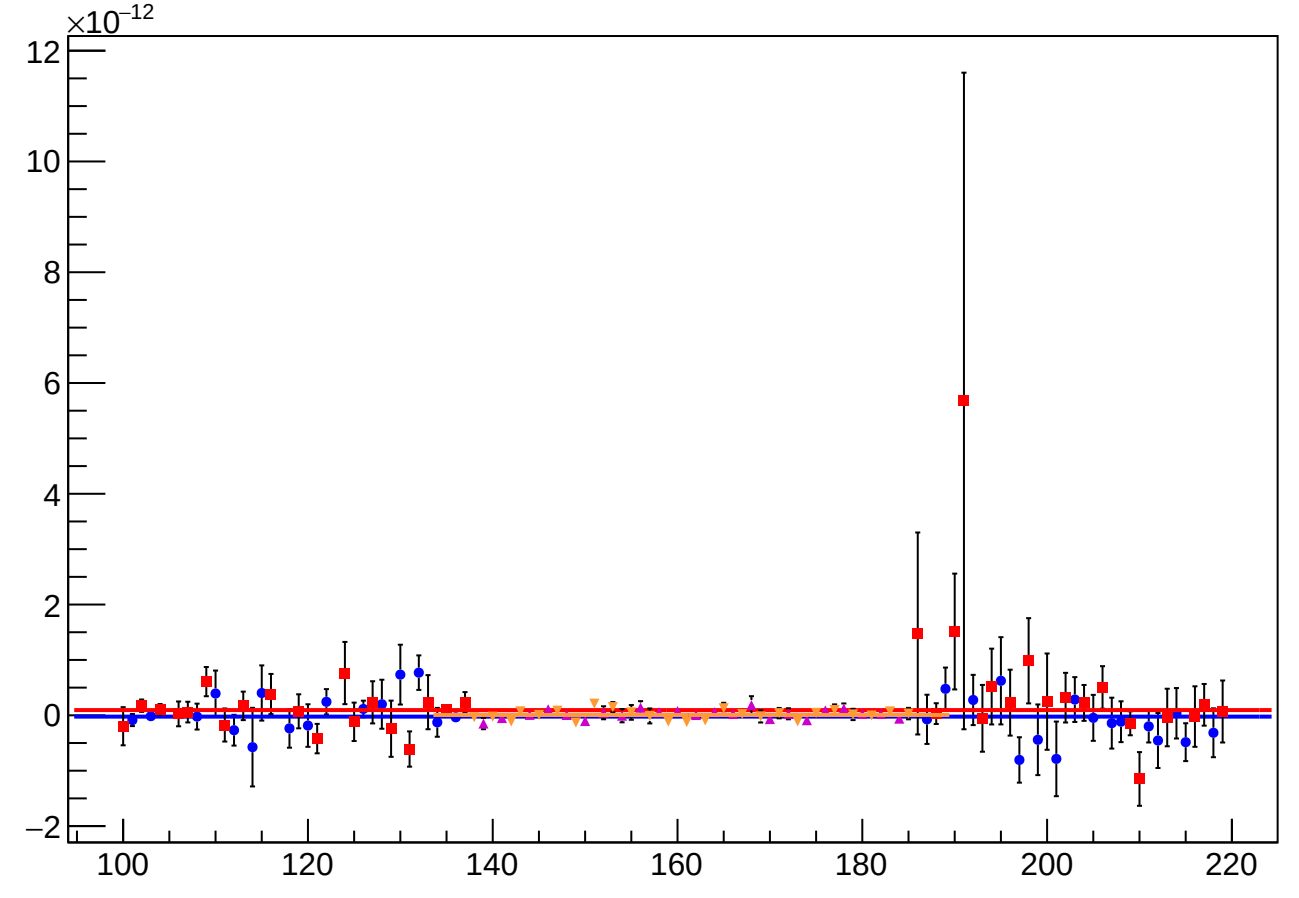
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 170.217+/-0.020 χ^2/NDF: 6622758.2/68

In: 200.219+/-0.025 χ^2/NDF:7108820.7/54

Out: 191.292+/-0.023 χ^2/NDF:10021064.3/61

All: 195.518+/-0.017 χ^2/NDF: 17199285.7/1



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/36

Left In: 0.000+/-0.000 χ^2/NDF:21.2/22

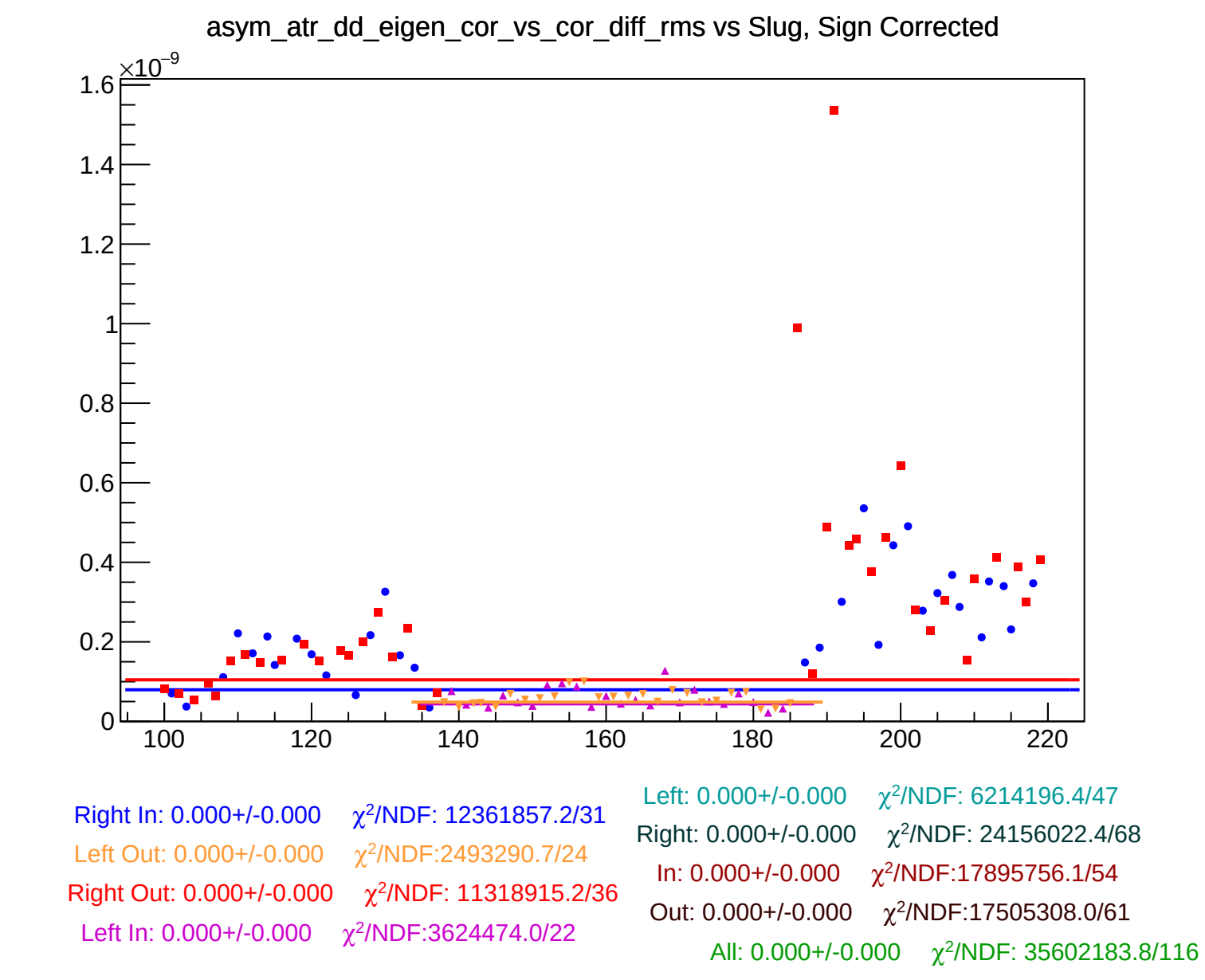
Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

Right: 0.000+/-0.000 χ^2/NDF: 66.0/68

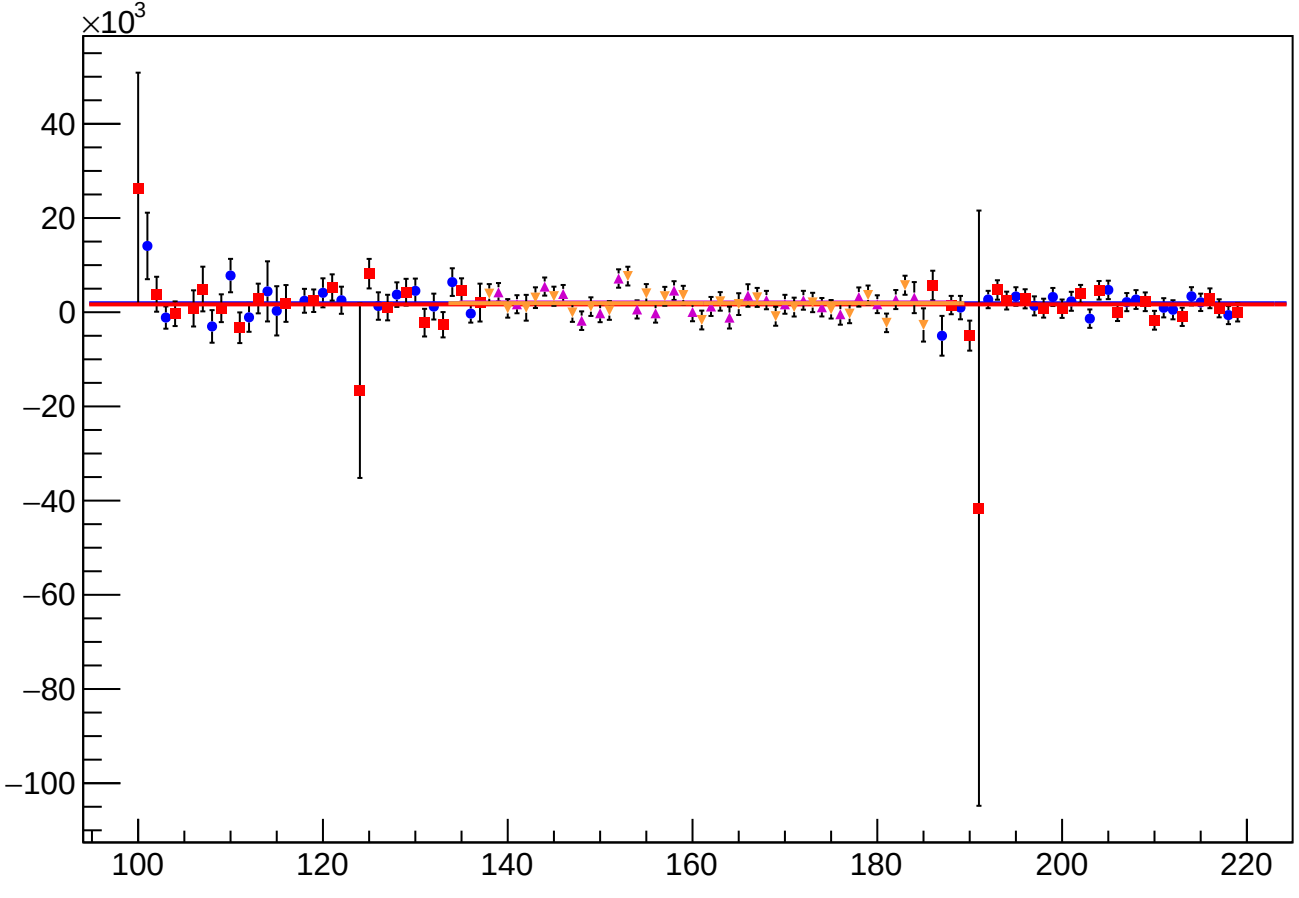
In: 0.000+/-0.000 χ^2/NDF:49.5/54

Out: 0.000+/-0.000 χ^2/NDF:68.3/61

All: 0.000+/-0.000 χ^2/NDF: 118.3/116


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 12361857.2/31
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 11318915.2/36
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
Left: 0.000+/-0.000 χ²/NDF: 6214196.4/47
Right: 0.000+/-0.000 χ²/NDF: 24156022.4/68
In: 0.000+/-0.000 χ²/NDF:17895756.1/54
Out: 0.000+/-0.000 χ²/NDF:17505308.0/61
All: 0.000+/-0.000 χ²/NDF: 35602183.8/116

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1902.544+/-417.537 χ^2/NDF: 28.7/31

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 1661.705+/-410.440 χ^2/NDF: 38.8/36

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

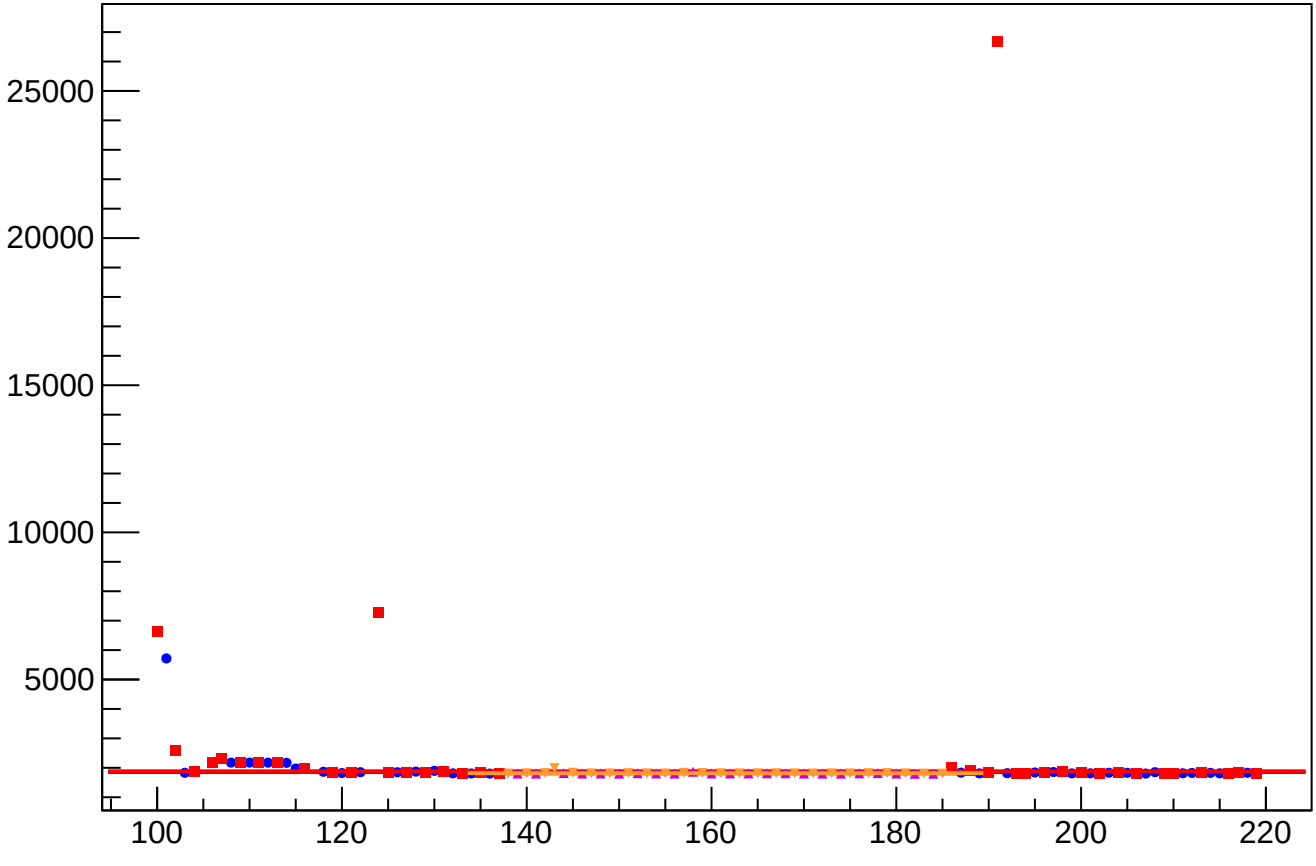
Right: 1780.060+/-292.702 χ^2/NDF: 67.6/68

In: 1987.218+/-297.226 χ^2/NDF:55.3/54

Out: 1790.386+/-291.096 χ^2/NDF:71.5/61

All: 1886.751+/-207.969 χ^2/NDF: 127.0/116

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1861.574+/-0.295 χ^2/NDF: 670908.4/31

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1879.191+/-0.290 χ^2/NDF: 747904.7/36

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

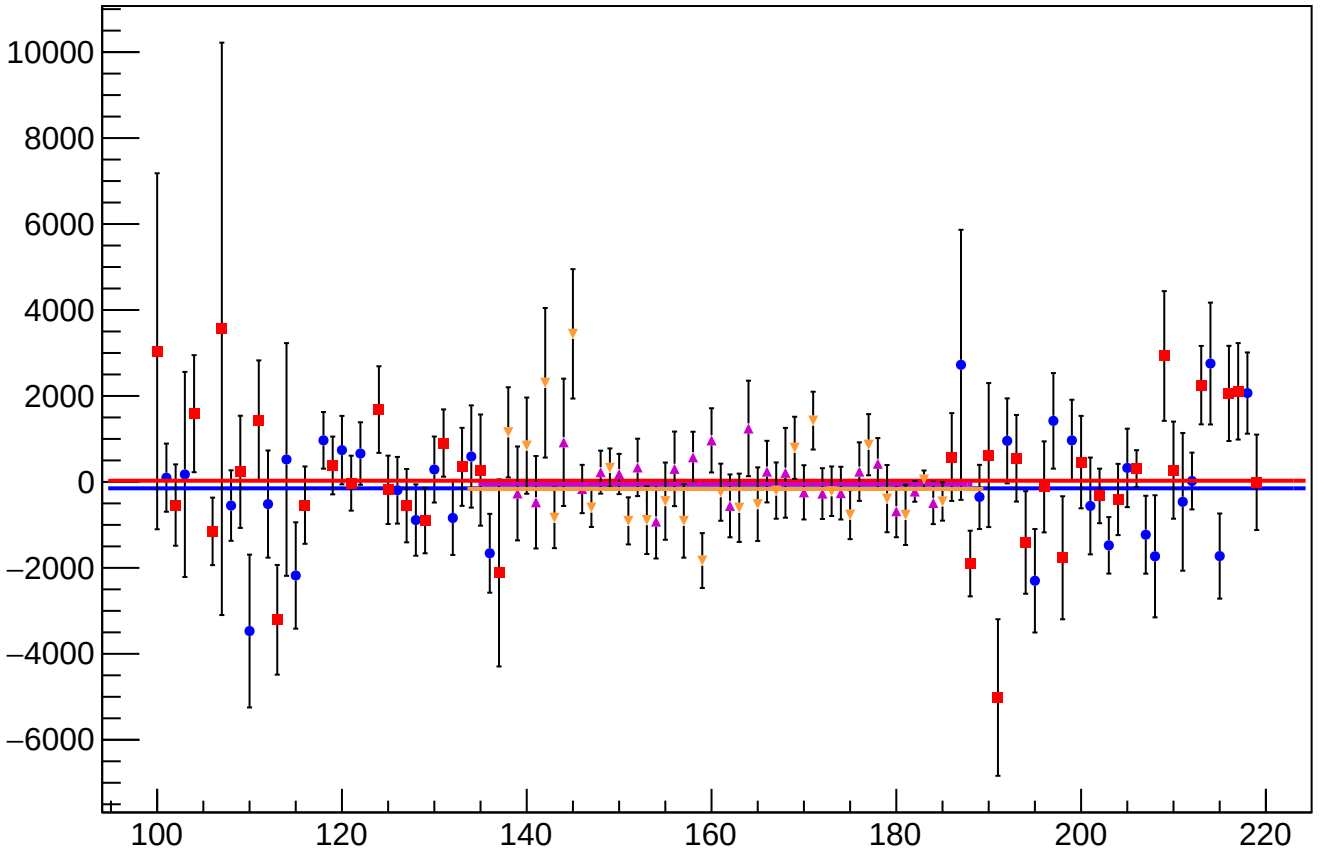
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1870.533+/-0.207 χ^2/NDF: 1420624.0/68

In: 1837.390+/-0.210 χ^2/NDF:686524.1/54

Out: 1848.543+/-0.206 χ^2/NDF:783298.1/61

All: 1843.083+/-0.147 χ^2/NDF: 1471259.6/11



Right In: -149.351+/-167.362 χ^2/NDF: 45.1/31

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 27.867+/-154.684 χ^2/NDF: 55.4/36

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

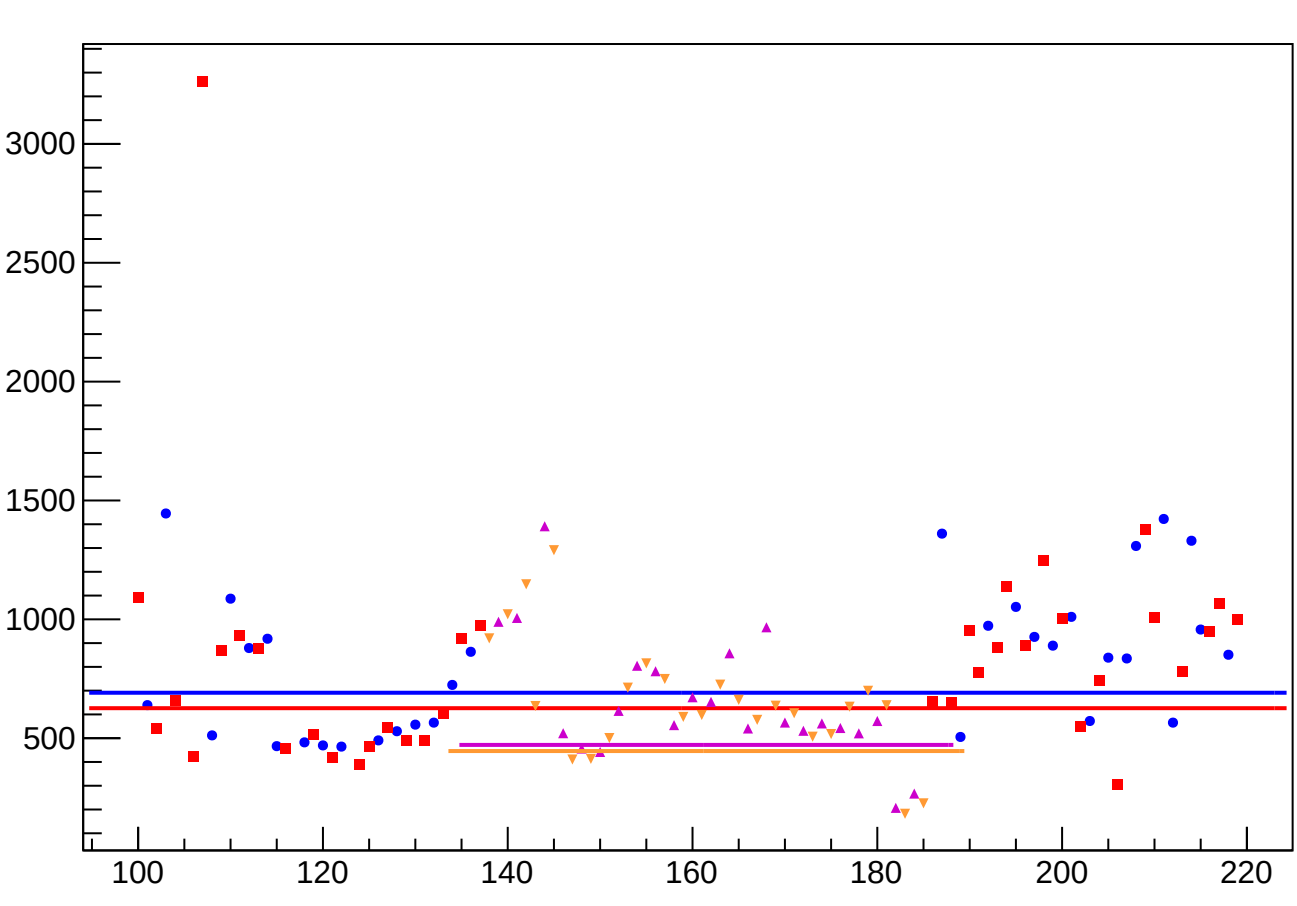
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -53.776+/-113.596 χ^2/NDF: 101.1/68

In: -84.267+/-98.950 χ^2/NDF:56.7/54

Out: -94.830+/-92.442 χ^2/NDF:93.2/61

All: -89.907+/-67.550 χ^2/NDF: 149.9/116



Right In: 691.225+/-0.118 χ^2/NDF: 4002298.8/31

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 626.221+/-0.109 χ^2/NDF: 5557747.4/36

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

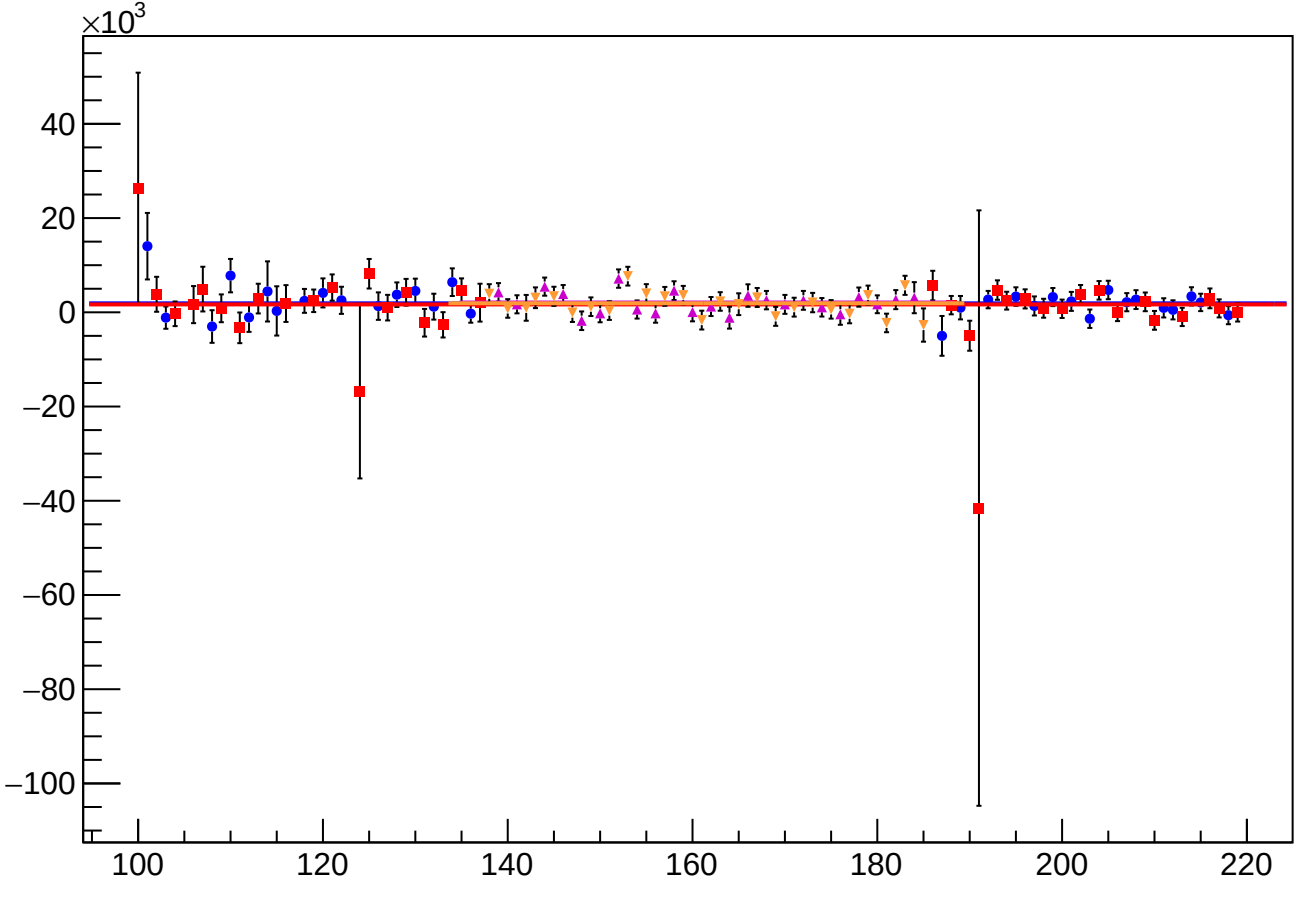
Right: 656.168+/-0.080 χ^2/NDF: 9722762.9/68

In: 548.466+/-0.070 χ^2/NDF:12653434.7/54

Out: 510.297+/-0.065 χ^2/NDF:15287553.3/61

All: 528.085+/-0.048 χ^2/NDF: 28099898.9/11

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1902.437+/-417.537 χ^2/NDF: 28.6/31

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 1671.197+/-410.552 χ^2/NDF: 38.7/36

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

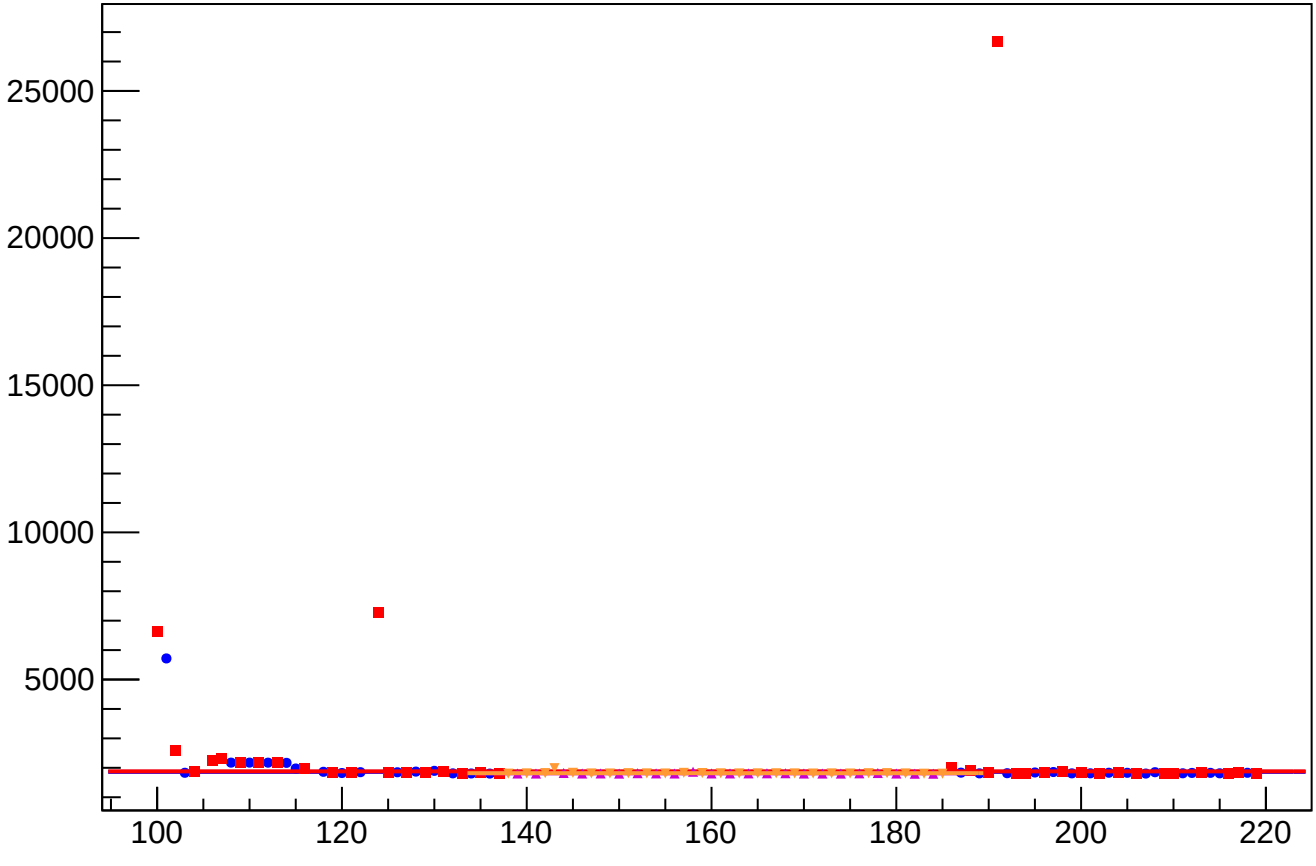
Right: 1784.866+/-292.742 χ^2/NDF: 67.5/68

In: 1987.214+/-297.226 χ^2/NDF:55.3/54

Out: 1795.177+/-291.136 χ^2/NDF:71.4/61

All: 1889.207+/-207.984 χ^2/NDF: 126.9/116

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1861.574+/-0.295 χ^2/NDF: 670908.4/31

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1879.572+/-0.290 χ^2/NDF: 751707.0/36

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

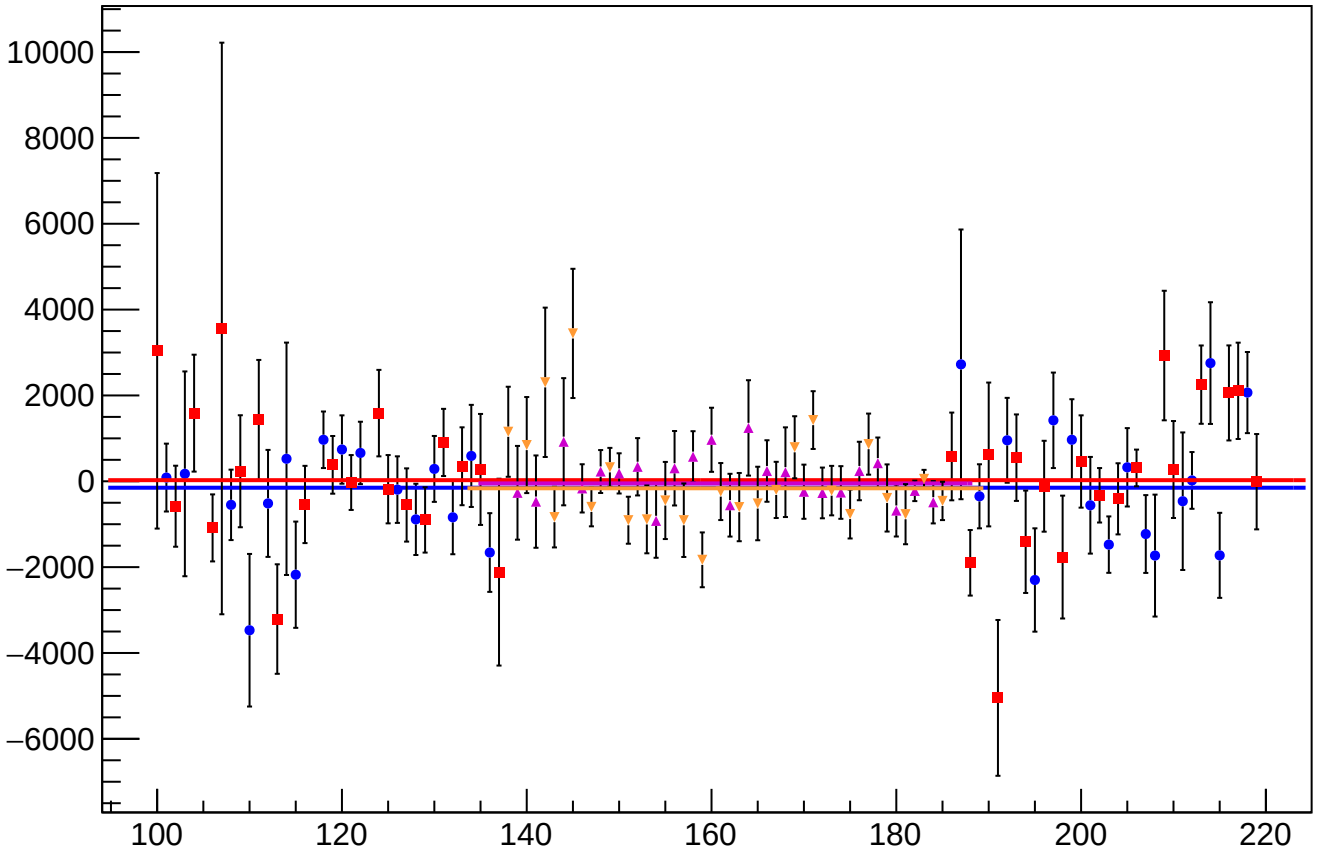
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1870.725+/-0.207 χ^2/NDF: 1424504.9/68

In: 1837.390+/-0.210 χ^2/NDF:686524.0/54

Out: 1848.726+/-0.206 χ^2/NDF:787372.4/61

All: 1843.175+/-0.147 χ^2/NDF: 1475381.3/11



Right In: -149.801+/-167.344 χ^2/NDF: 45.1/31

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 26.115+/-154.631 χ^2/NDF: 55.1/36

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

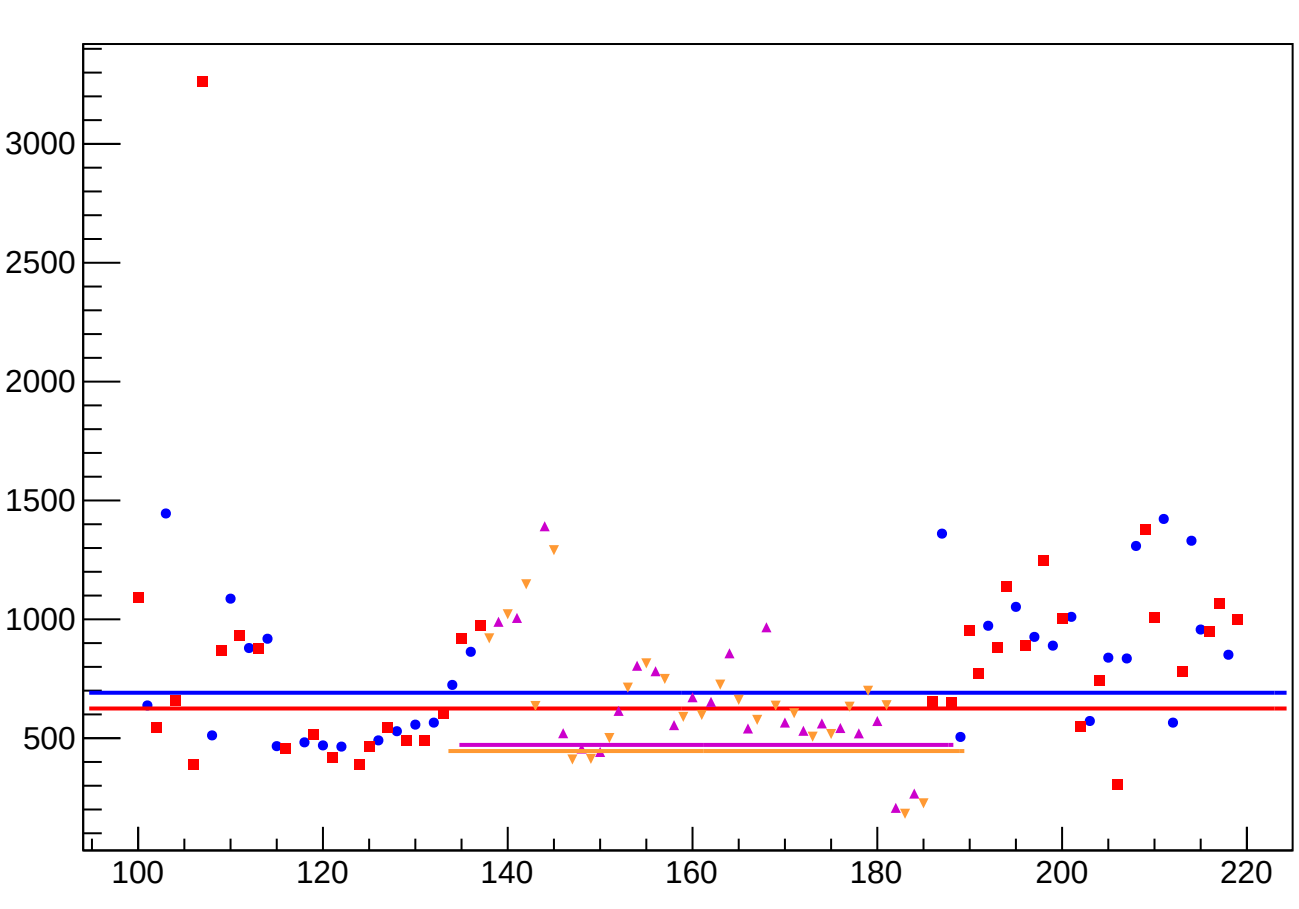
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -54.908+/-113.570 χ^2/NDF: 100.8/68

In: -84.443+/-98.948 χ^2/NDF:56.7/54

Out: -95.375+/-92.429 χ^2/NDF:92.9/61

All: -90.281+/-67.544 χ^2/NDF: 149.6/116



Right In: 691.152+/-0.118 χ^2/NDF: 4002869.9/31

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 624.887+/-0.109 χ^2/NDF: 5606766.1/36

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

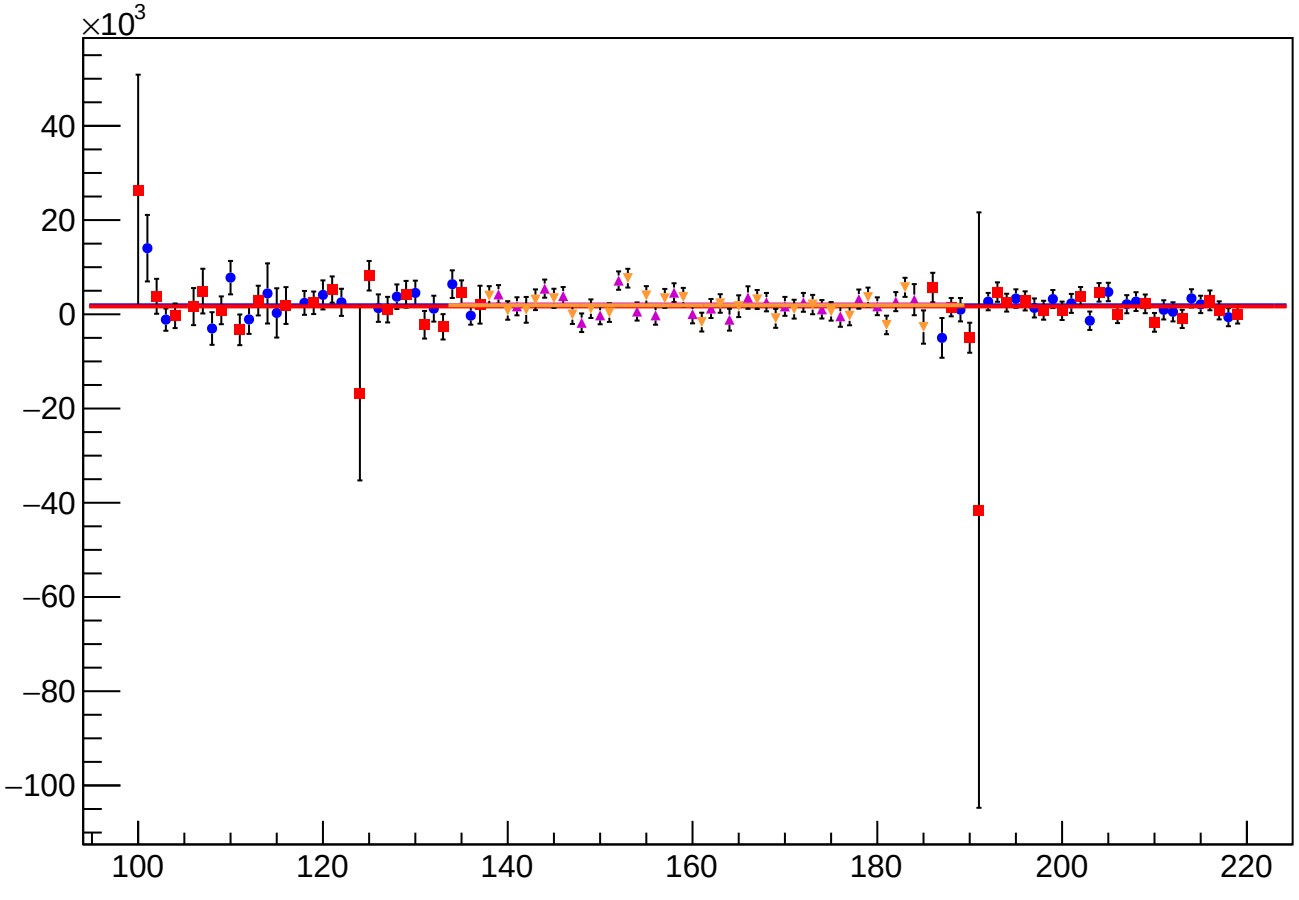
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 655.407+/-0.080 χ^2/NDF: 9778802.5/68

In: 548.462+/-0.070 χ^2/NDF:12652358.2/54

Out: 509.828+/-0.065 χ^2/NDF:15313514.4/61

All: 527.830+/-0.048 χ^2/NDF: 28128690.6/11



Right In: 1902.437+/-417.537 χ^2/NDF: 28.6/31

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 1671.197+/-410.552 χ^2/NDF: 38.7/36

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

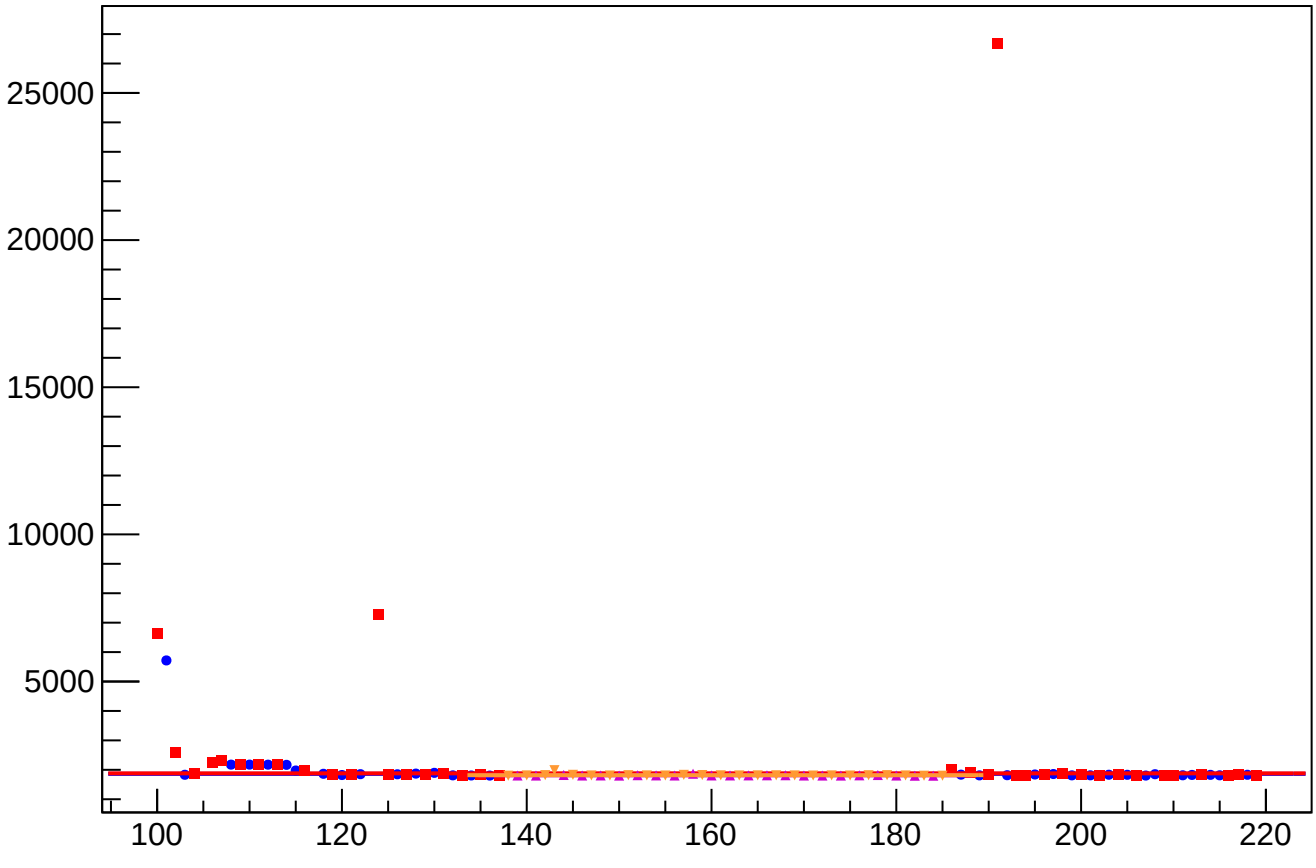
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1784.866+/-292.742 χ^2/NDF: 67.5/68

In: 1987.214+/-297.226 χ^2/NDF:55.3/54

Out: 1795.177+/-291.136 χ^2/NDF:71.4/61

All: 1889.207+/-207.984 χ^2/NDF: 126.9/116



Right In: 1861.574+/-0.295 χ^2/NDF: 670908.4/31

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1879.572+/-0.290 χ^2/NDF: 751707.0/36

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

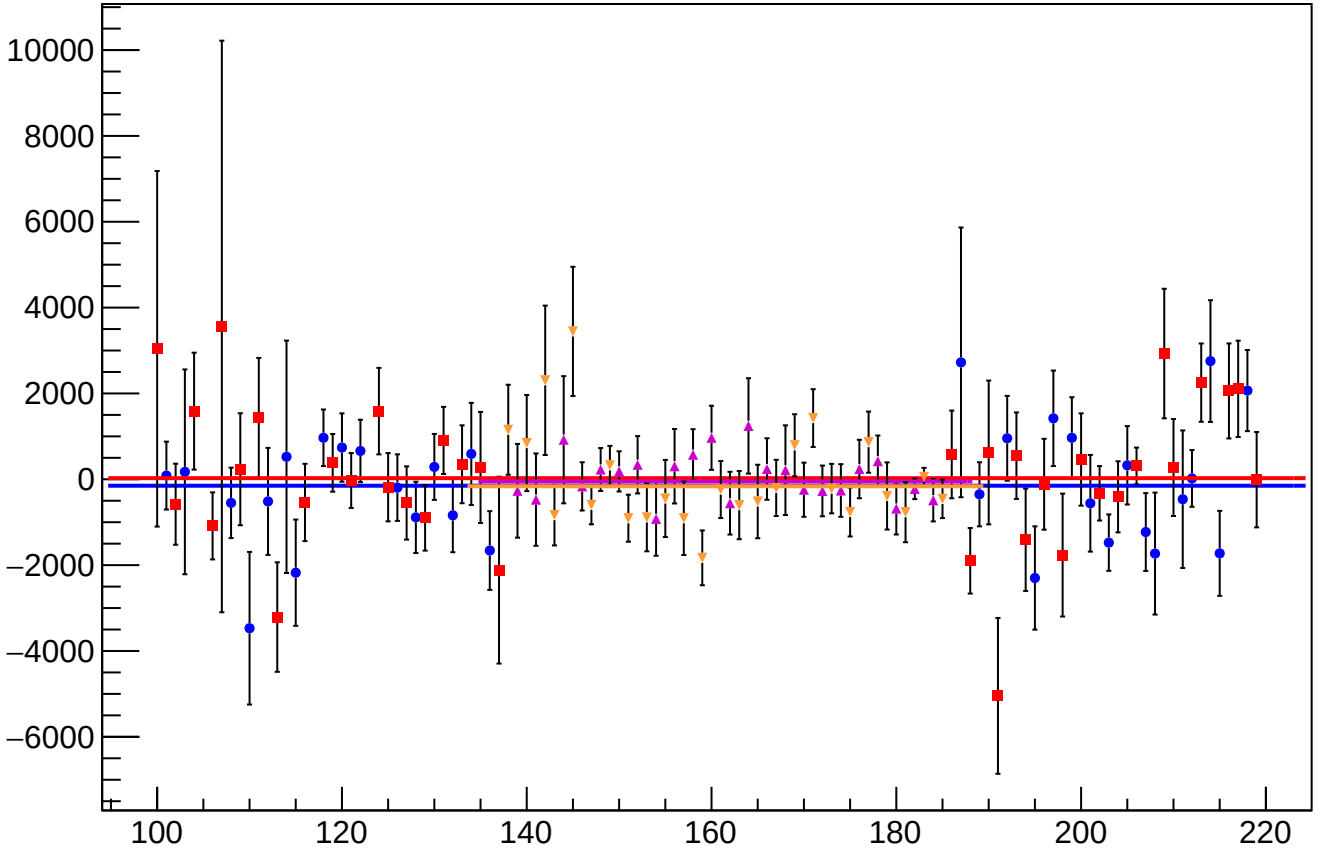
Right: 1870.725+/-0.207 χ^2/NDF: 1424504.9/68

In: 1837.390+/-0.210 χ^2/NDF:686524.0/54

Out: 1848.726+/-0.206 χ^2/NDF:787372.4/61

All: 1843.175+/-0.147 χ^2/NDF: 1475381.3/11

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -149.801+/-167.344 χ^2/NDF: 45.1/31

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 26.115+/-154.631 χ^2/NDF: 55.1/36

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

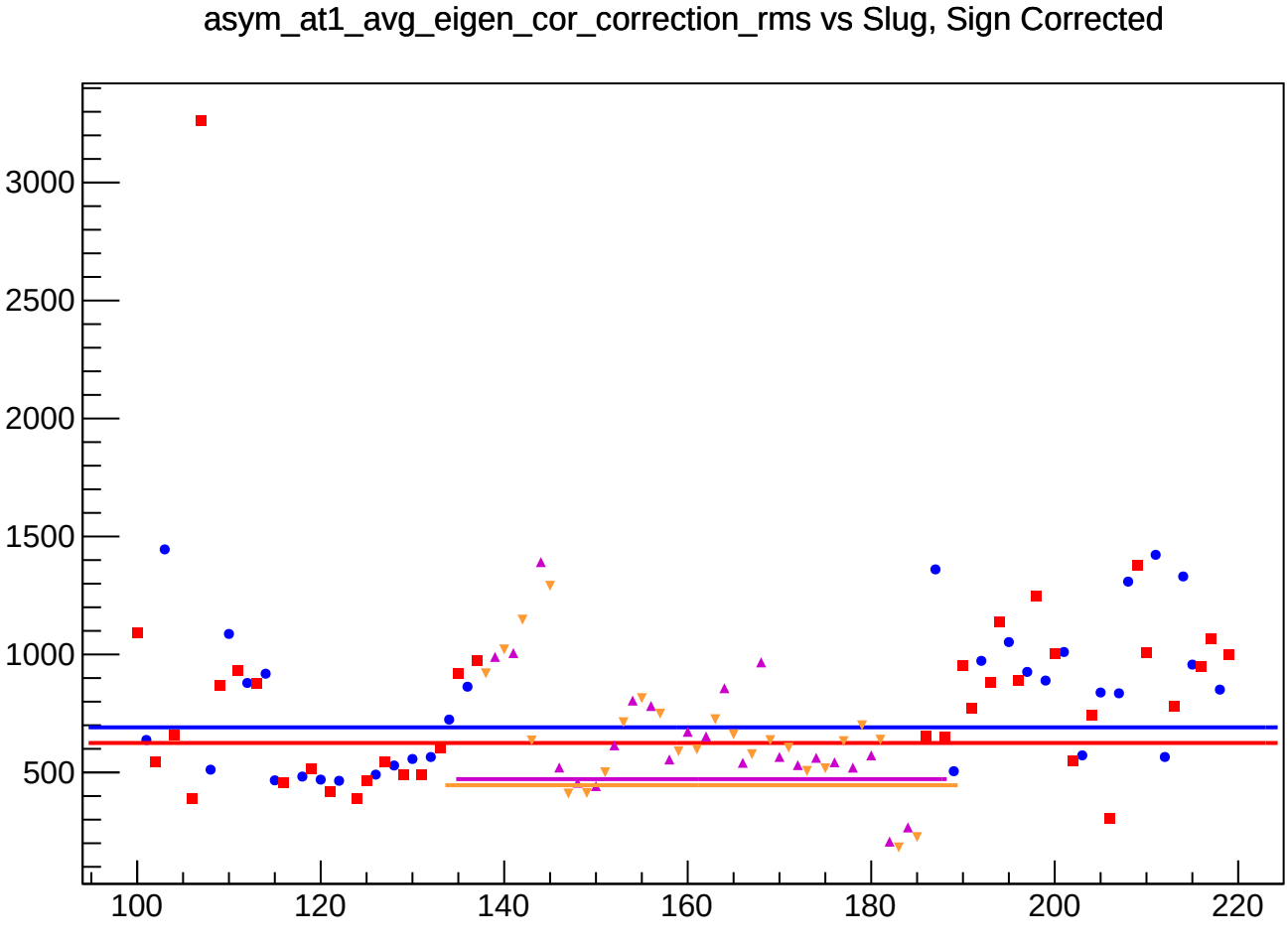
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -54.908+/-113.570 χ^2/NDF: 100.8/68

In: -84.443+/-98.948 χ^2/NDF:56.7/54

Out: -95.375+/-92.429 χ^2/NDF:92.9/61

All: -90.281+/-67.544 χ^2/NDF: 149.6/116



Right In: 691.152+/-0.118 χ^2/NDF: 4002869.9/31

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 624.887+/-0.109 χ^2/NDF: 5606766.1/36

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

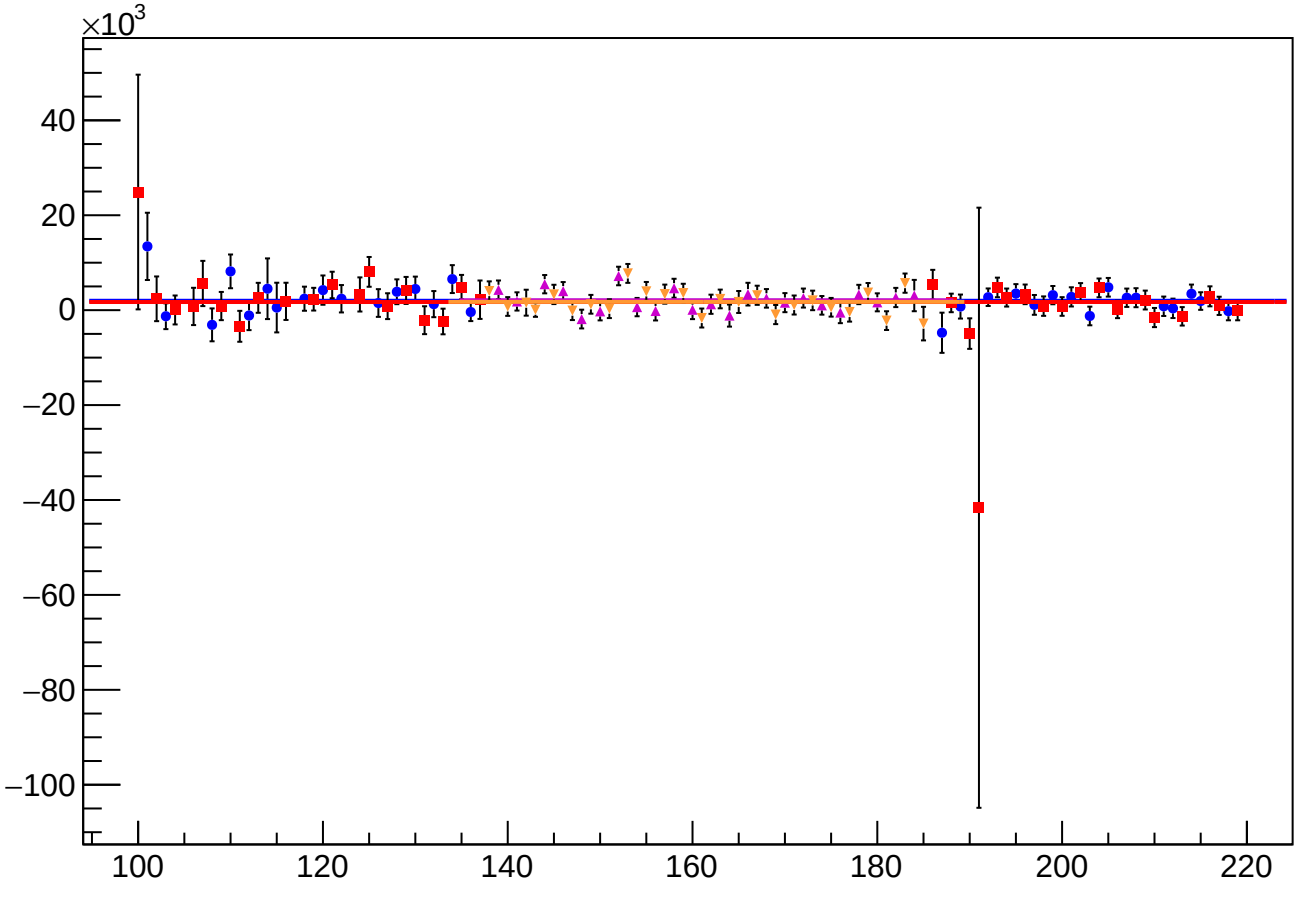
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 655.407+/-0.080 χ^2/NDF: 9778802.5/68

In: 548.462+/-0.070 χ^2/NDF:12652358.2/54

Out: 509.828+/-0.065 χ^2/NDF:15313514.4/61

All: 527.830+/-0.048 χ^2/NDF: 28128690.6/11



Right In: 1977.156+/-421.080 χ^2/NDF: 28.5/31

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 1717.597+/-412.578 χ^2/NDF: 37.0/36

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

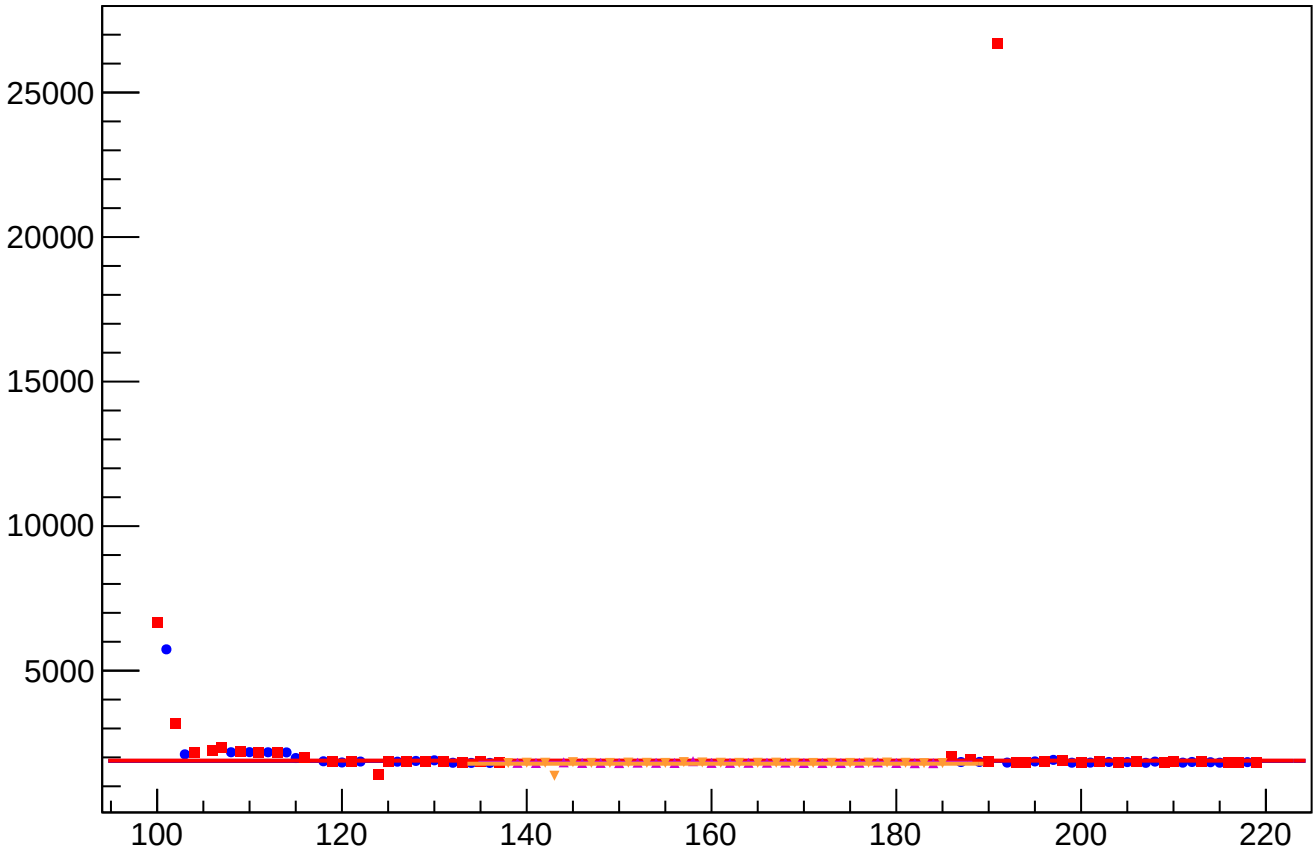
Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

Right: 1844.730+/-294.697 χ^2/NDF: 65.8/68

In: 2025.005+/-298.652 χ^2/NDF:55.6/54

Out: 1736.877+/-289.166 χ^2/NDF:70.8/61

All: 1876.293+/-207.744 χ^2/NDF: 126.9/116



Right In: 1876.855+/-0.298 χ^2/NDF: 684151.2/31

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1887.699+/-0.292 χ^2/NDF: 705752.0/36

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

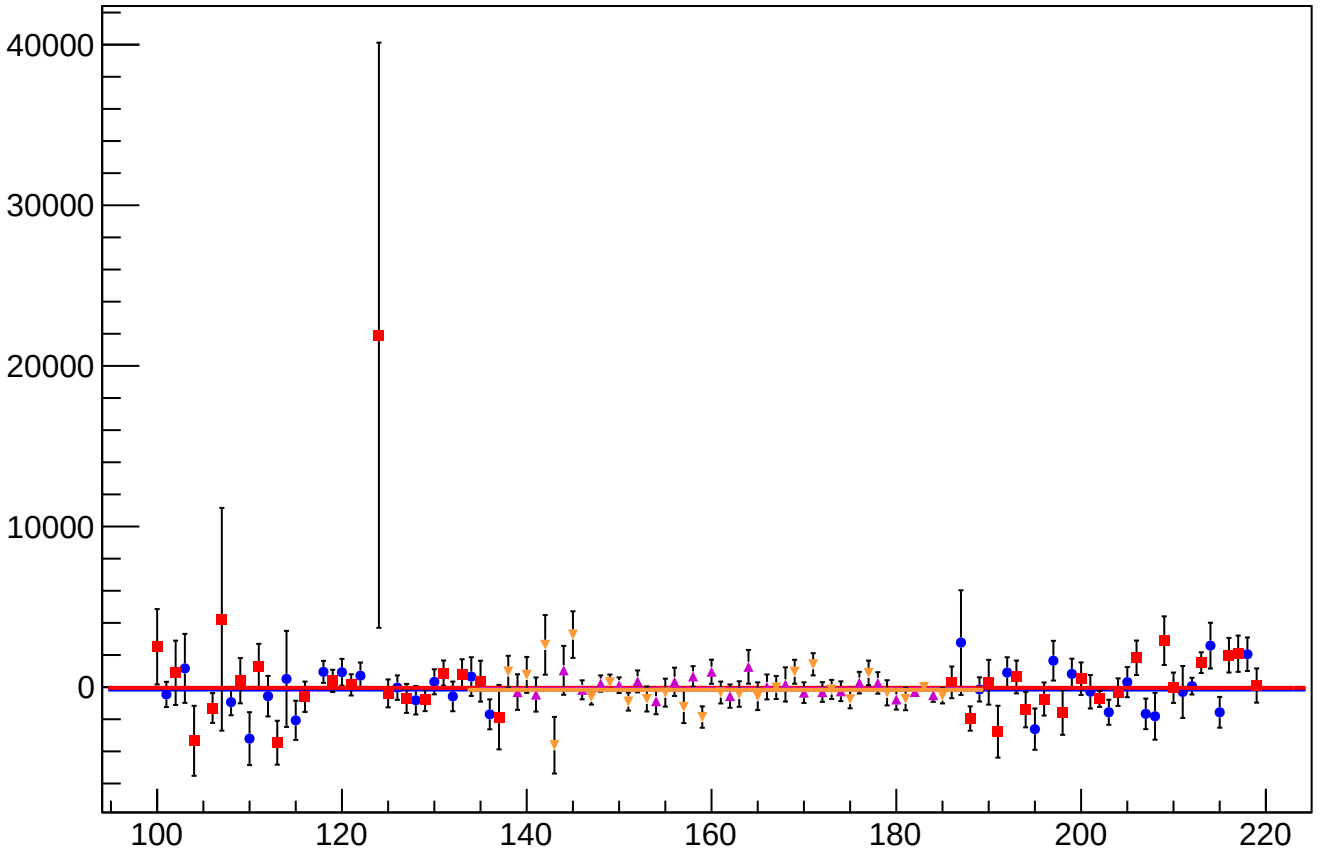
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1882.387+/-0.208 χ^2/NDF: 1390579.9/68

In: 1845.834+/-0.211 χ^2/NDF:708086.9/54

Out: 1833.369+/-0.204 χ^2/NDF:938854.6/61

All: 1839.401+/-0.147 χ^2/NDF: 1648739.7/11



Right In: -149.855+/-169.061 χ^2/NDF: 44.0/31

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -42.273+/-163.031 χ^2/NDF: 55.5/36

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

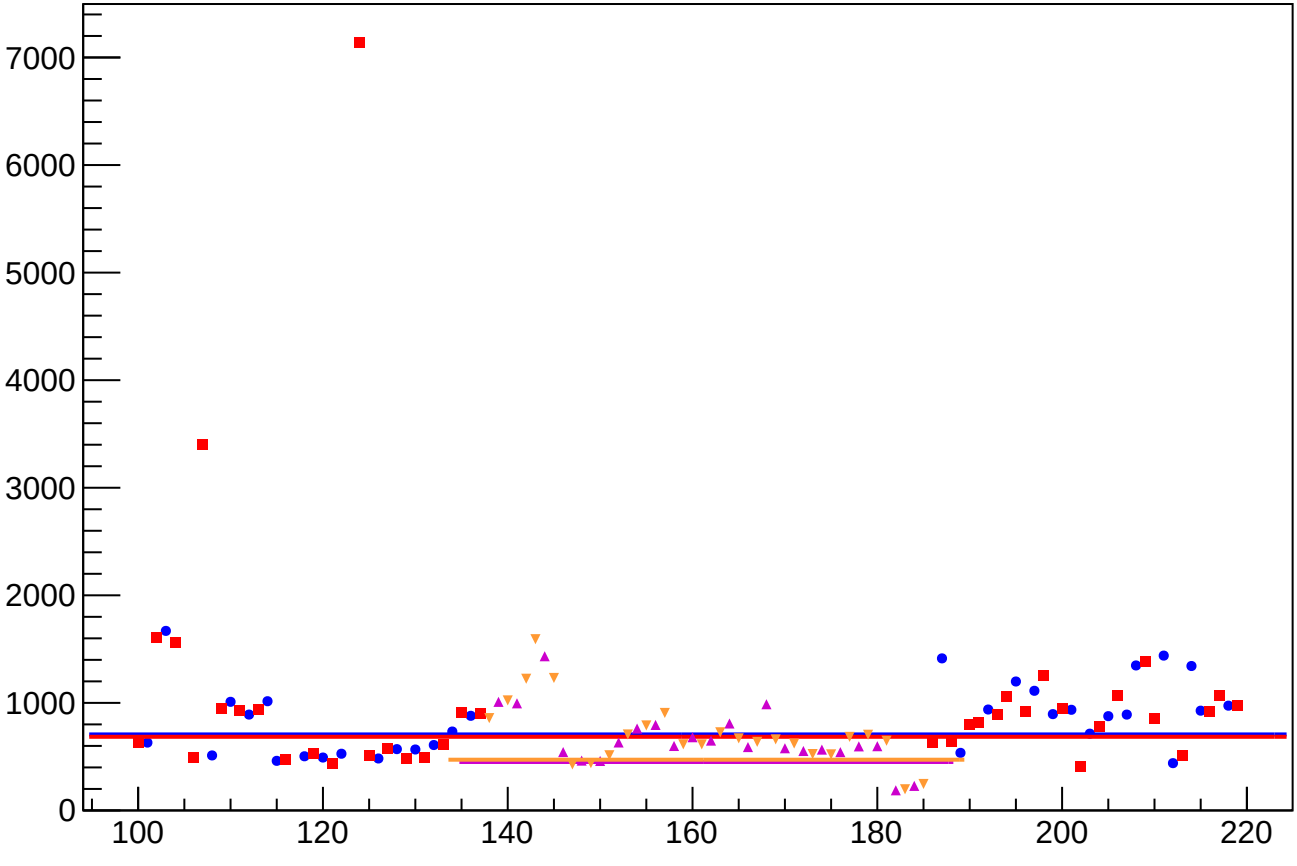
Right: -94.112+/-117.354 χ^2/NDF: 99.6/68

In: -128.120+/-97.731 χ^2/NDF:56.3/54

Out: -122.986+/-97.488 χ^2/NDF:94.2/61

All: -125.546+/-69.020 χ^2/NDF: 150.5/116

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 706.816+/-0.120 χ^2/NDF: 4626980.1/31

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 684.877+/-0.115 χ^2/NDF: 5509203.4/36

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

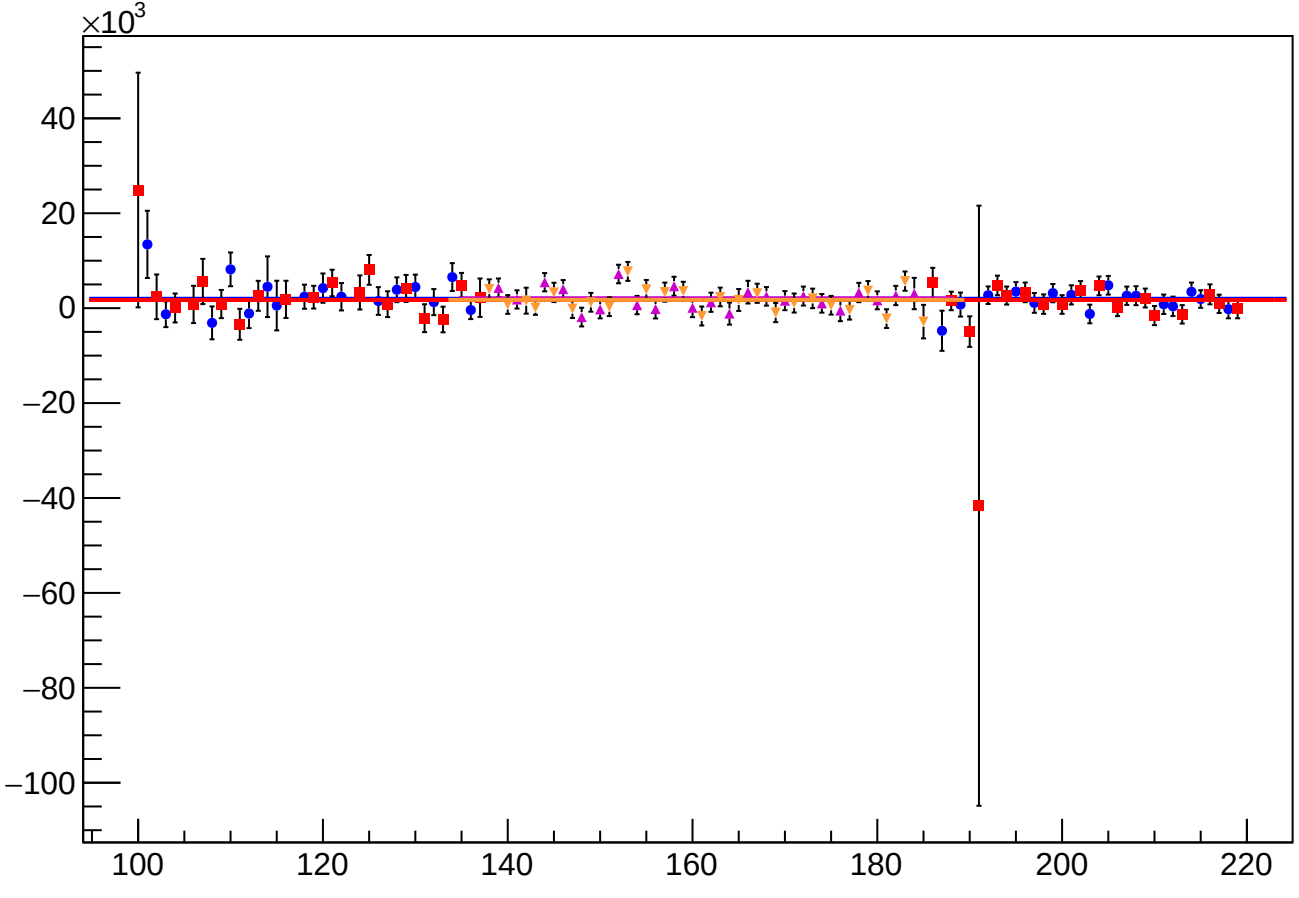
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 695.448+/-0.083 χ^2/NDF: 10153634.5/68

In: 536.256+/-0.069 χ^2/NDF:15612596.4/54

Out: 547.974+/-0.069 χ^2/NDF:15817118.4/61

All: 542.130+/-0.049 χ^2/NDF: 31444126.6/1



Right In: 1977.155+/-421.080 χ^2/NDF: 28.5/31

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 1717.595+/-412.578 χ^2/NDF: 37.0/36

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

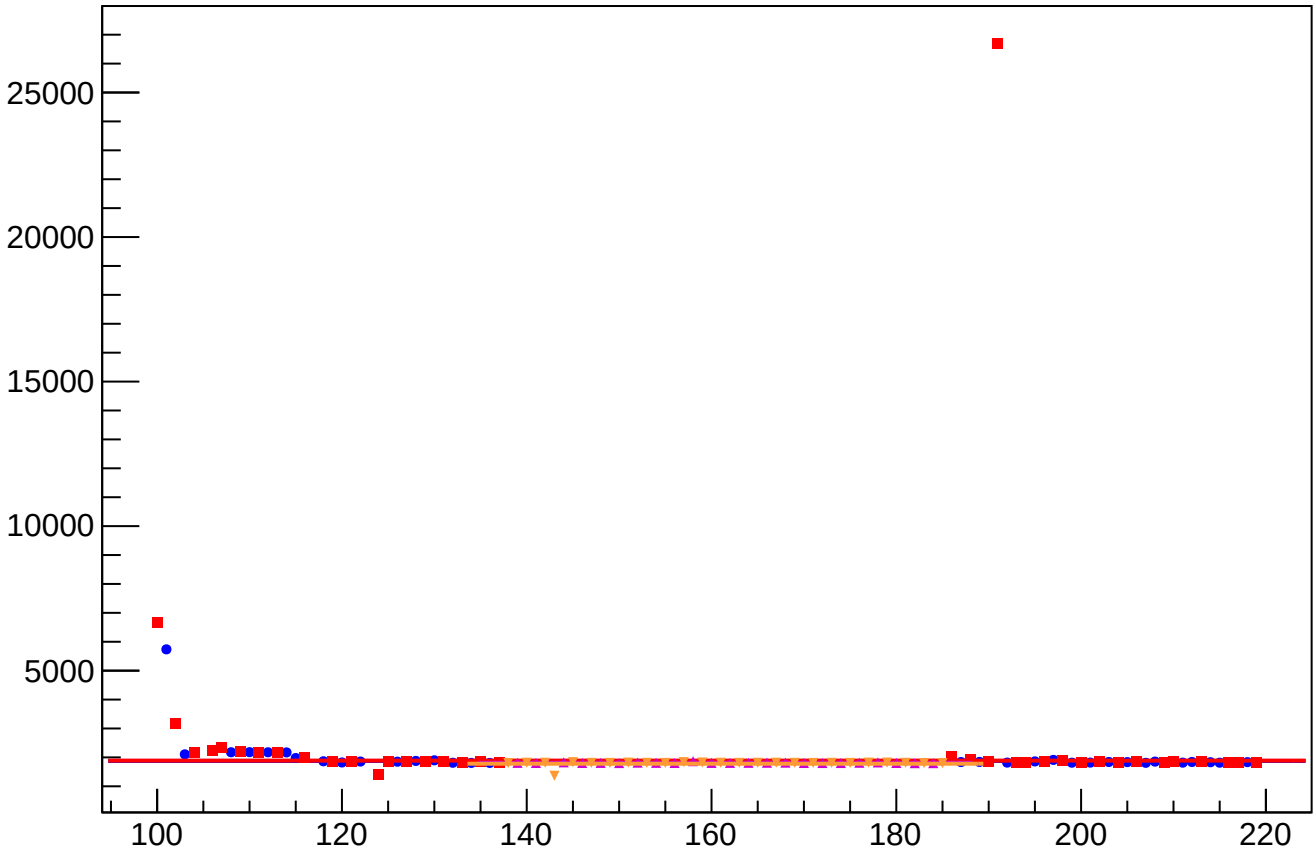
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 1844.729+/-294.697 χ^2/NDF: 65.8/68

In: 2025.005+/-298.652 χ^2/NDF:55.6/54

Out: 1736.877+/-289.166 χ^2/NDF:70.8/61

All: 1876.292+/-207.744 χ^2/NDF: 126.9/116



Right In: 1876.854+/-0.298 χ^2/NDF: 684150.8/31

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1887.698+/-0.292 χ^2/NDF: 705750.6/36

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

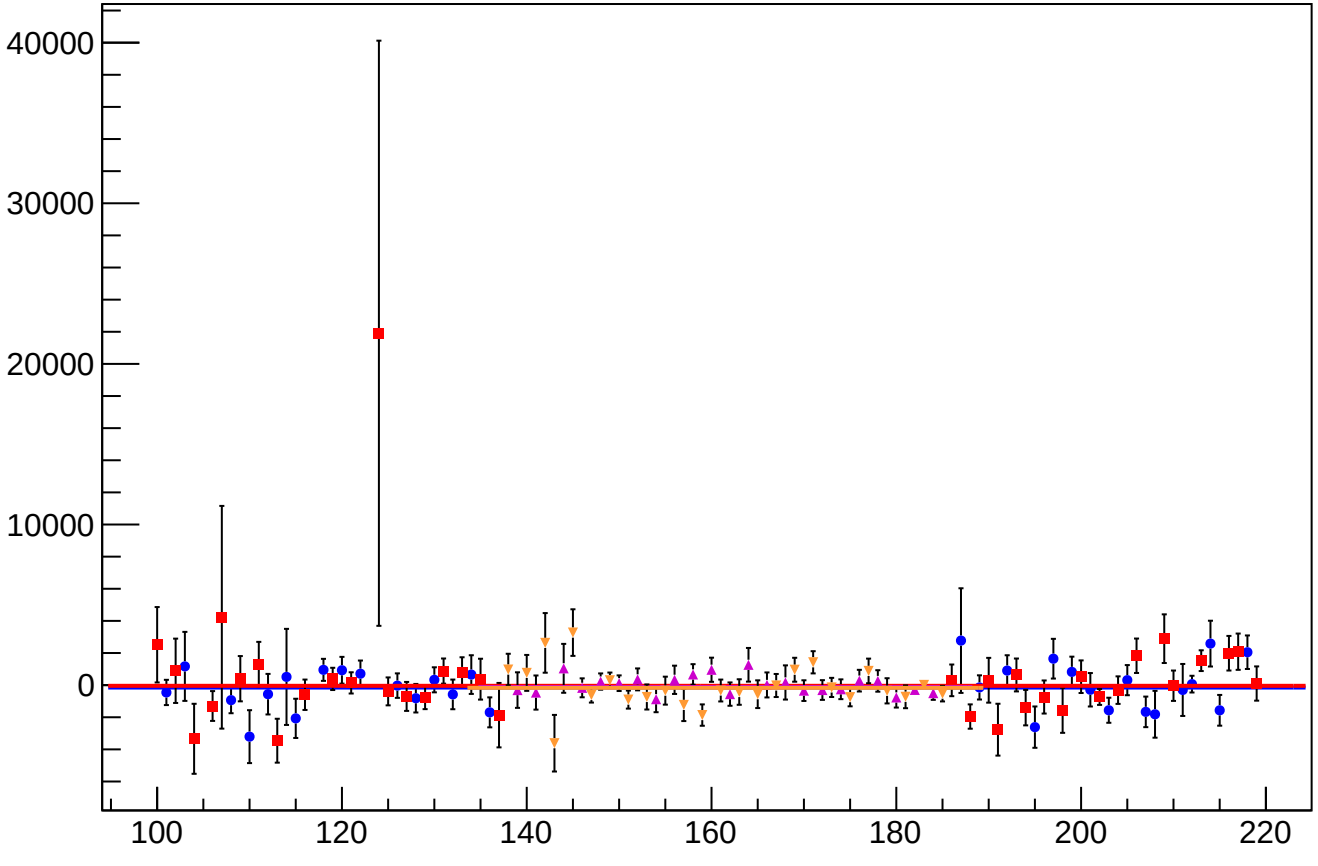
Right: 1882.387+/-0.208 χ^2/NDF: 1390578.1/68

In: 1845.834+/-0.211 χ^2/NDF:708086.4/54

Out: 1833.369+/-0.204 χ^2/NDF:938853.0/61

All: 1839.400+/-0.147 χ^2/NDF: 1648737.7/11

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -149.855+/-169.061 χ^2/NDF: 44.0/31

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -42.274+/-163.031 χ^2/NDF: 55.5/36

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

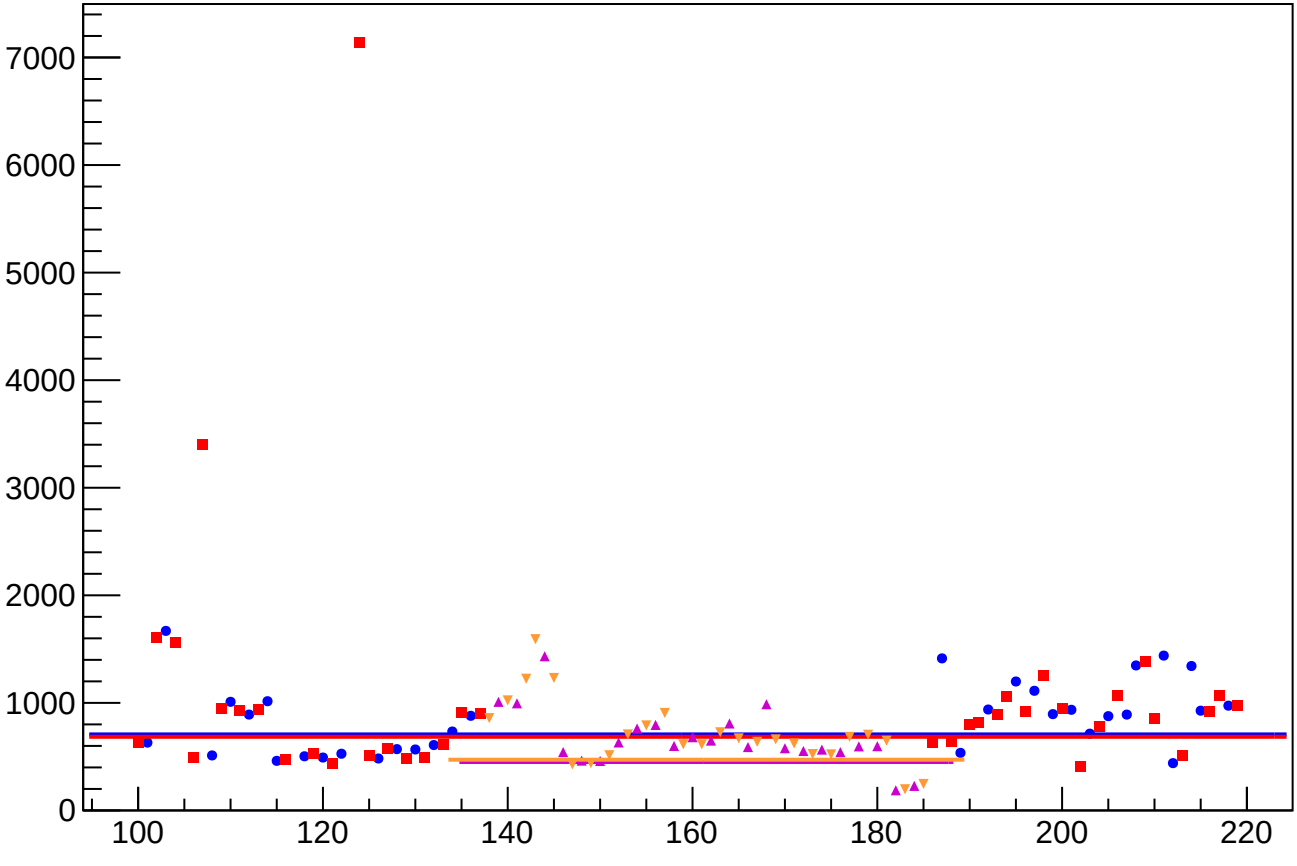
Right: -94.112+/-117.354 χ^2/NDF: 99.6/68

In: -128.120+/-97.731 χ^2/NDF:56.3/54

Out: -122.986+/-97.488 χ^2/NDF:94.2/61

All: -125.547+/-69.020 χ^2/NDF: 150.5/116

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 706.815+/-0.120 χ^2/NDF: 4627013.8/31

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 684.877+/-0.115 χ^2/NDF: 5509224.4/36

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

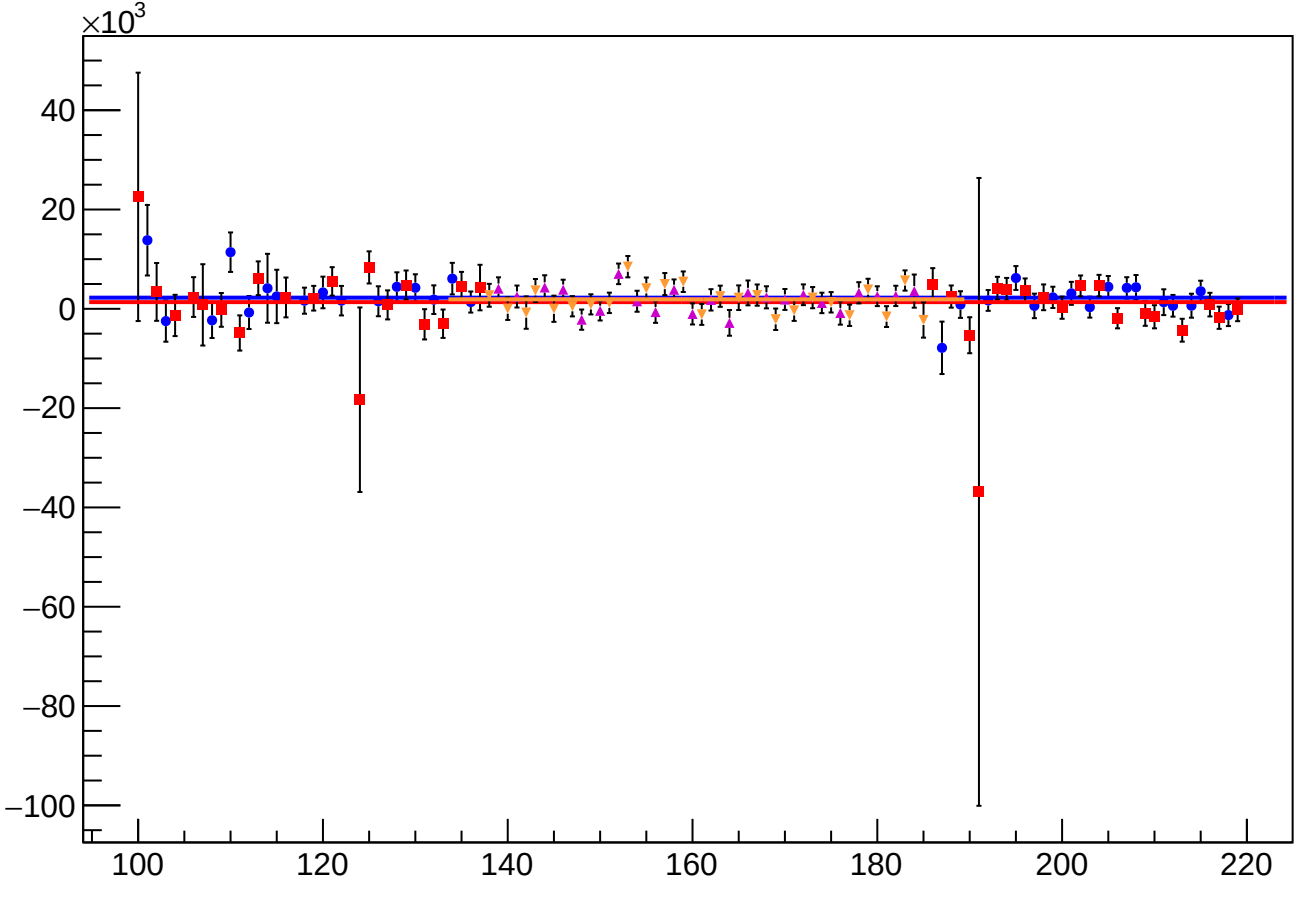
Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

Right: 695.448+/-0.083 χ^2/NDF: 10153688.4/68

In: 536.257+/-0.069 χ^2/NDF:15612579.4/54

Out: 547.975+/-0.069 χ^2/NDF:15817123.5/61

All: 542.131+/-0.049 χ^2/NDF: 31444114.4/1



Right In: 2248.810+/-474.604 χ^2/NDF: 29.5/31

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 1351.978+/-468.610 χ^2/NDF: 49.8/36

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

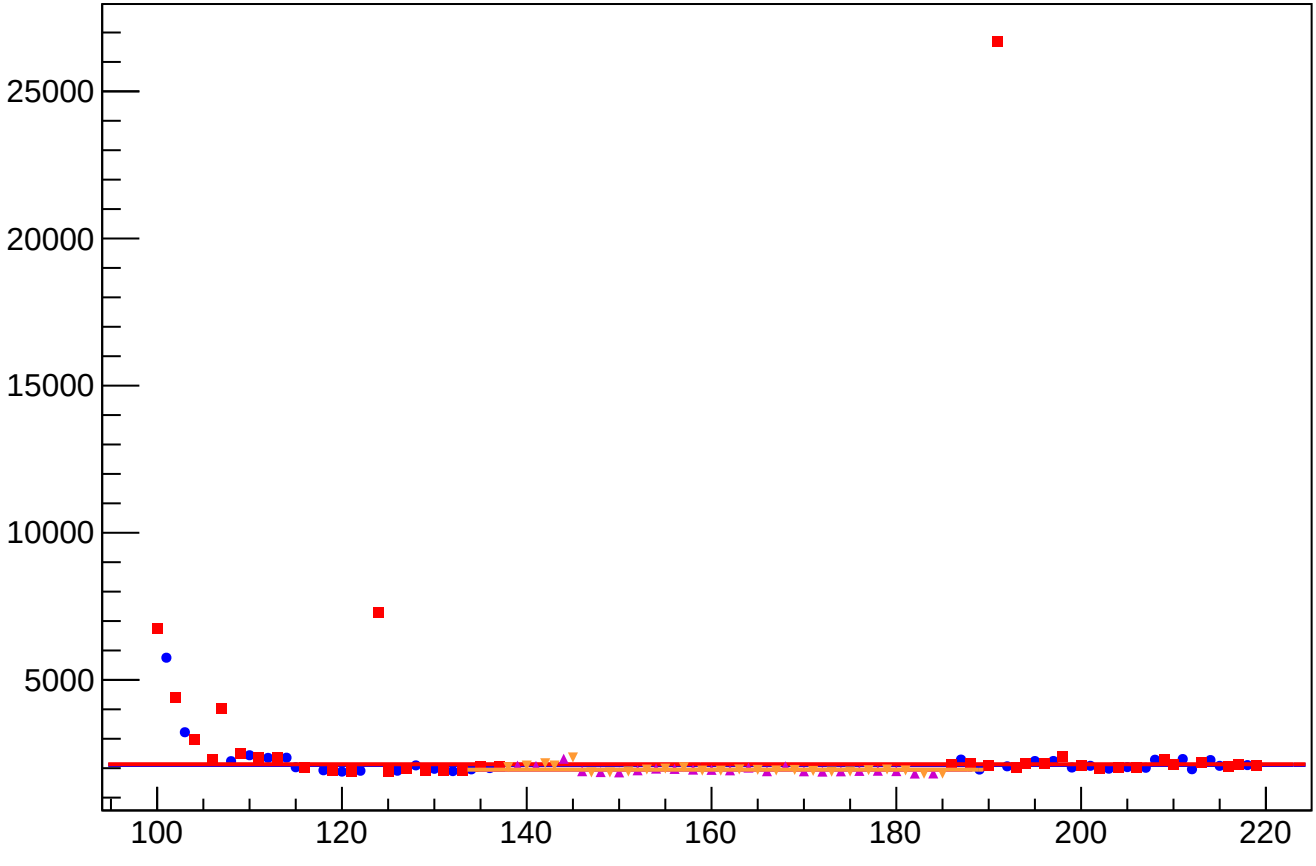
Right: 1794.694+/-333.456 χ^2/NDF: 81.1/68

In: 2080.855+/-328.400 χ^2/NDF:54.5/54

Out: 1644.937+/-322.122 χ^2/NDF:86.8/61

All: 1858.689+/-229.962 χ^2/NDF: 142.2/116

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2109.095+/-0.336 χ^2/NDF: 840760.7/31

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2134.532+/-0.331 χ^2/NDF: 1190139.0/36

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

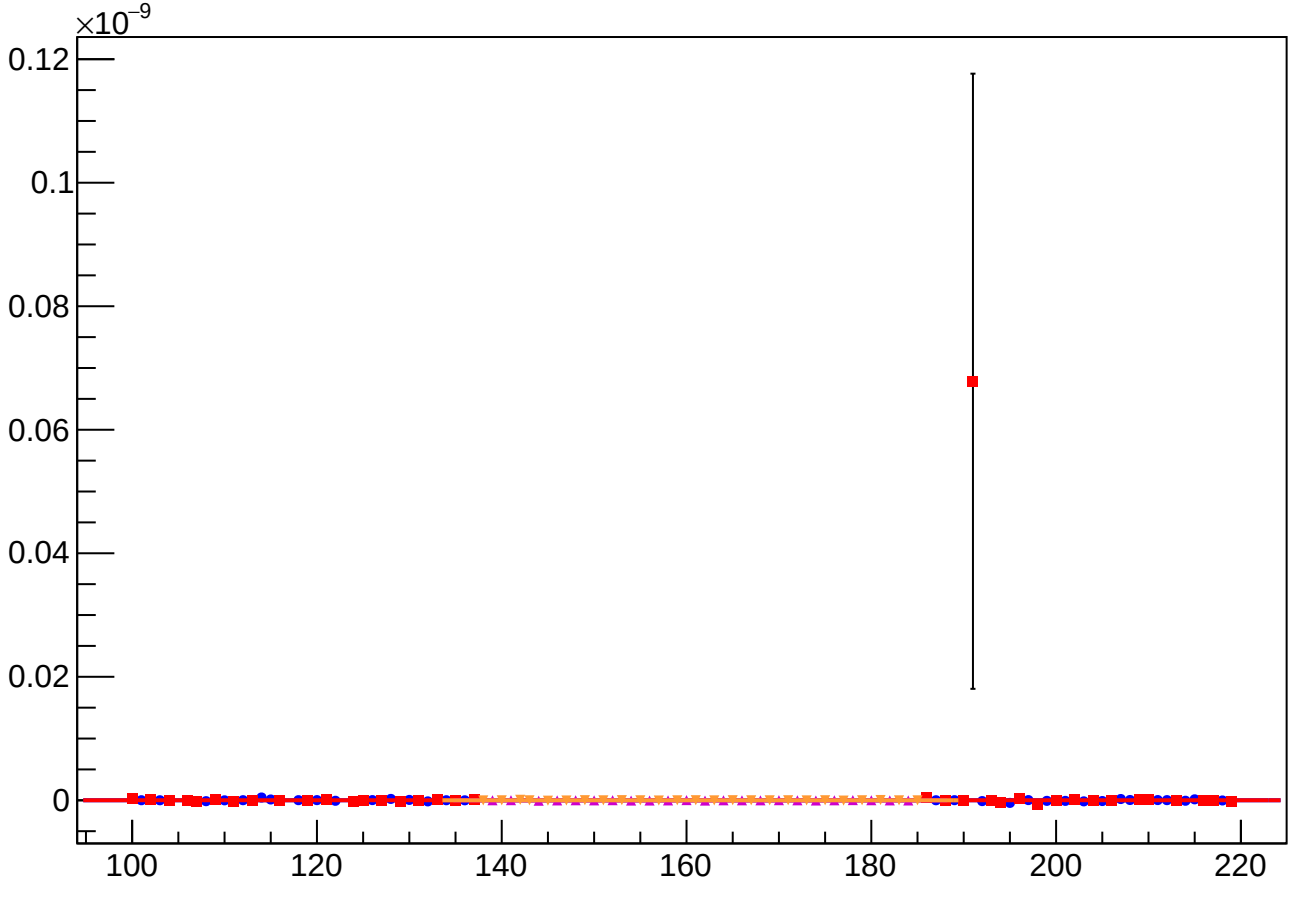
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2121.975+/-0.236 χ^2/NDF: 2033808.7/68

In: 2023.636+/-0.232 χ^2/NDF:1061129.8/54

Out: 2036.668+/-0.228 χ^2/NDF:1464028.7/61

All: 2030.277+/-0.163 χ^2/NDF: 2526763.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 35.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.6/36

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

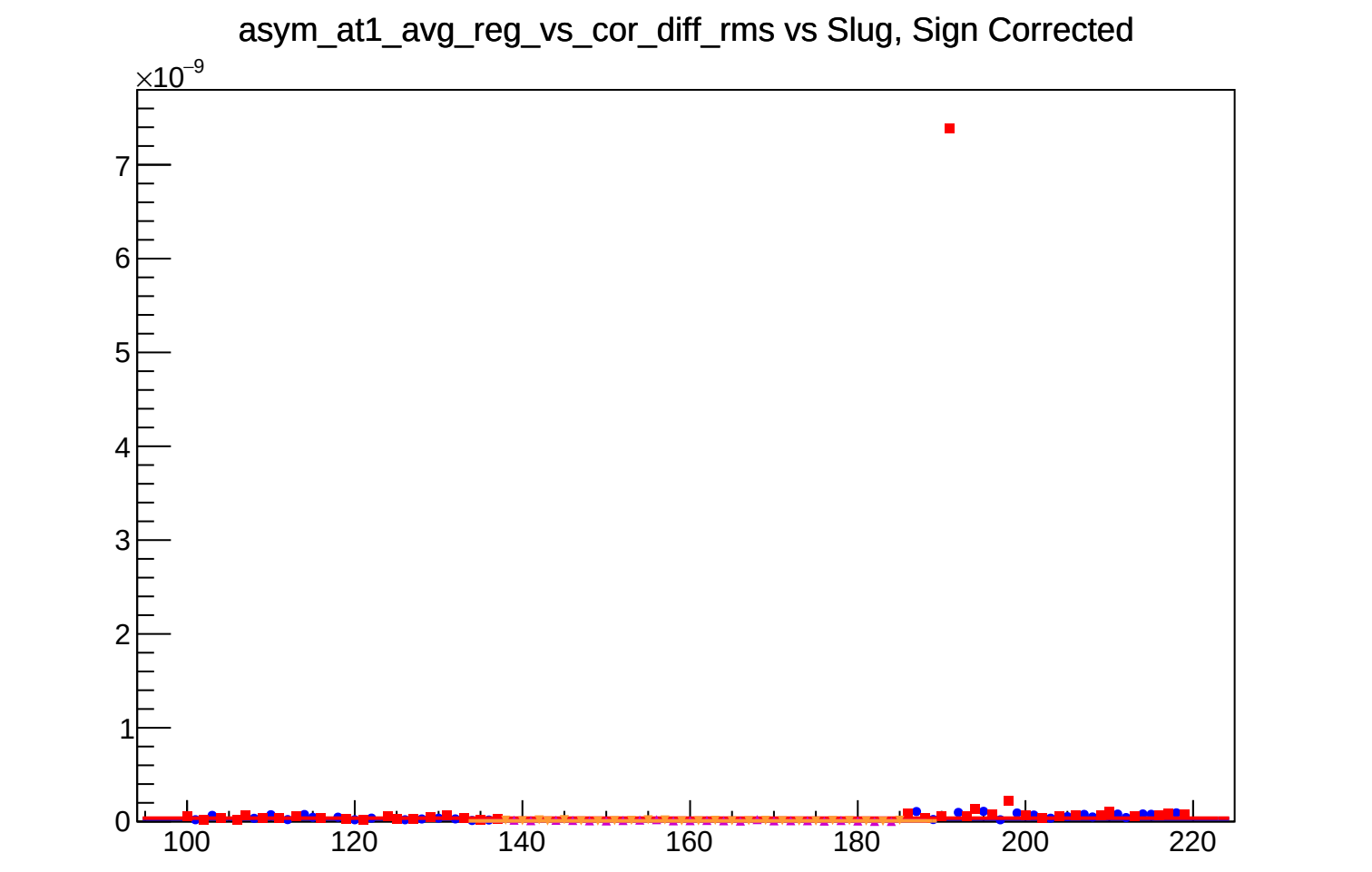
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 69.4/68

In: -0.000+/-0.000 χ^2/NDF:67.5/54

Out: 0.000+/-0.000 χ^2/NDF:62.8/61

All: -0.000+/-0.000 χ^2/NDF: 130.9/116



Right In: 0.000+/-0.000 χ^2/NDF: 5035489.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4326637.2/36

Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4774854.4/47

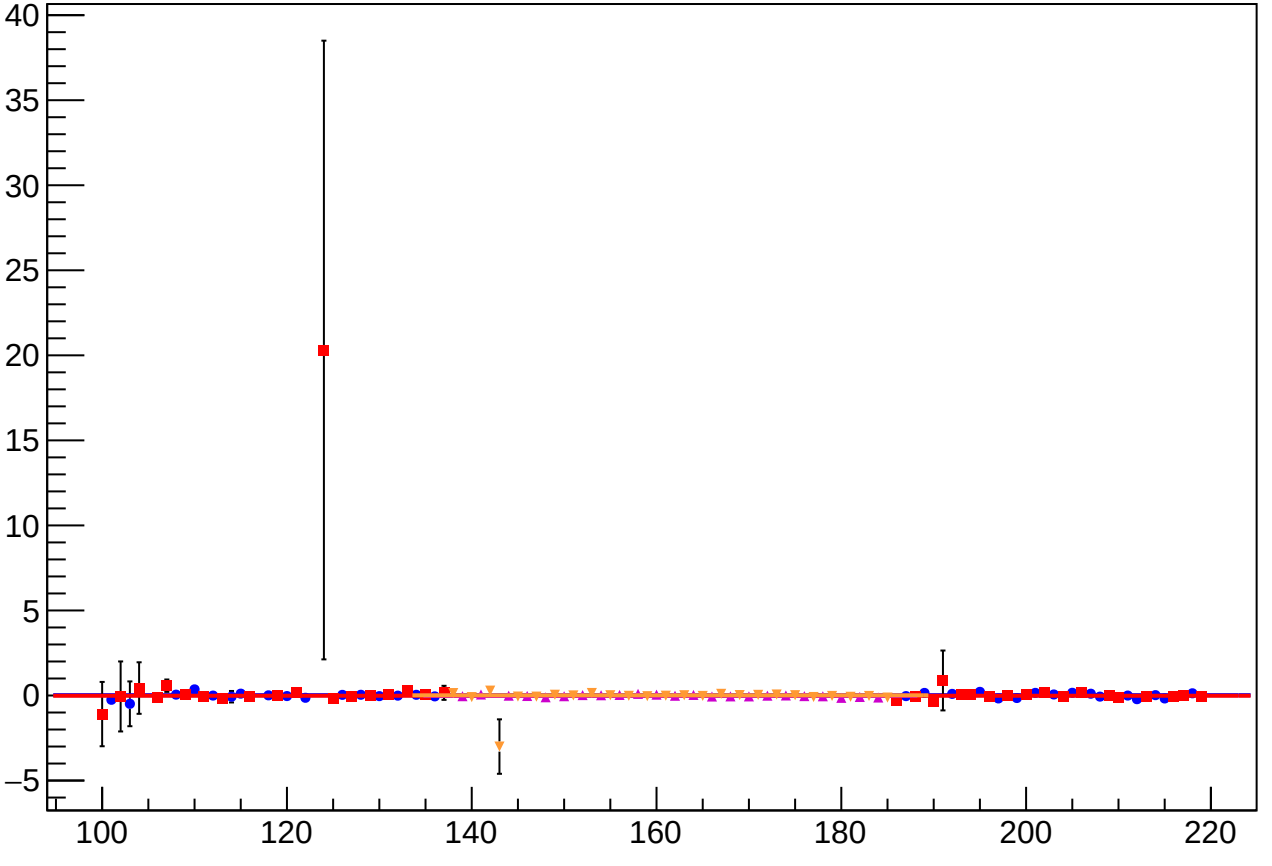
Right: 0.000+/-0.000 χ^2/NDF: 9671844.8/68

In: 0.000+/-0.000 χ^2/NDF:12871057.6/54

Out: 0.000+/-0.000 χ^2/NDF:13429516.8/61

All: 0.000+/-0.000 χ^2/NDF: 26306628.4/116

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.018 χ^2/NDF: 33.9/31

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.014+/-0.017 χ^2/NDF: 32.0/36

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

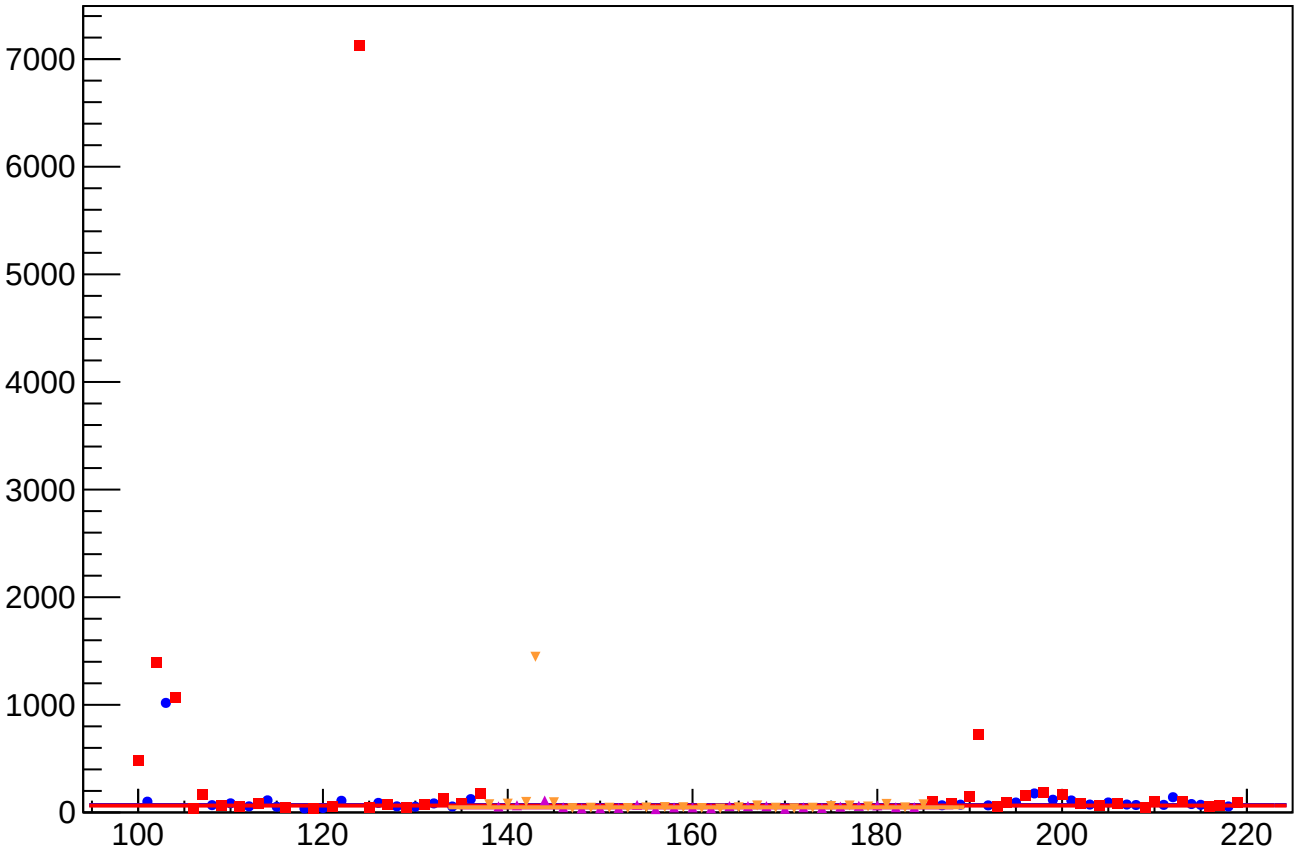
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.002+/-0.013 χ^2/NDF: 67.8/68

In: -0.006+/-0.010 χ^2/NDF:57.3/54

Out: 0.003+/-0.010 χ^2/NDF:63.1/61

All: -0.002+/-0.007 χ^2/NDF: 120.7/116



Right In: 68.913+/-0.013 χ^2/NDF: 4308038.6/31

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.008+/-0.012 χ^2/NDF: 6921287.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

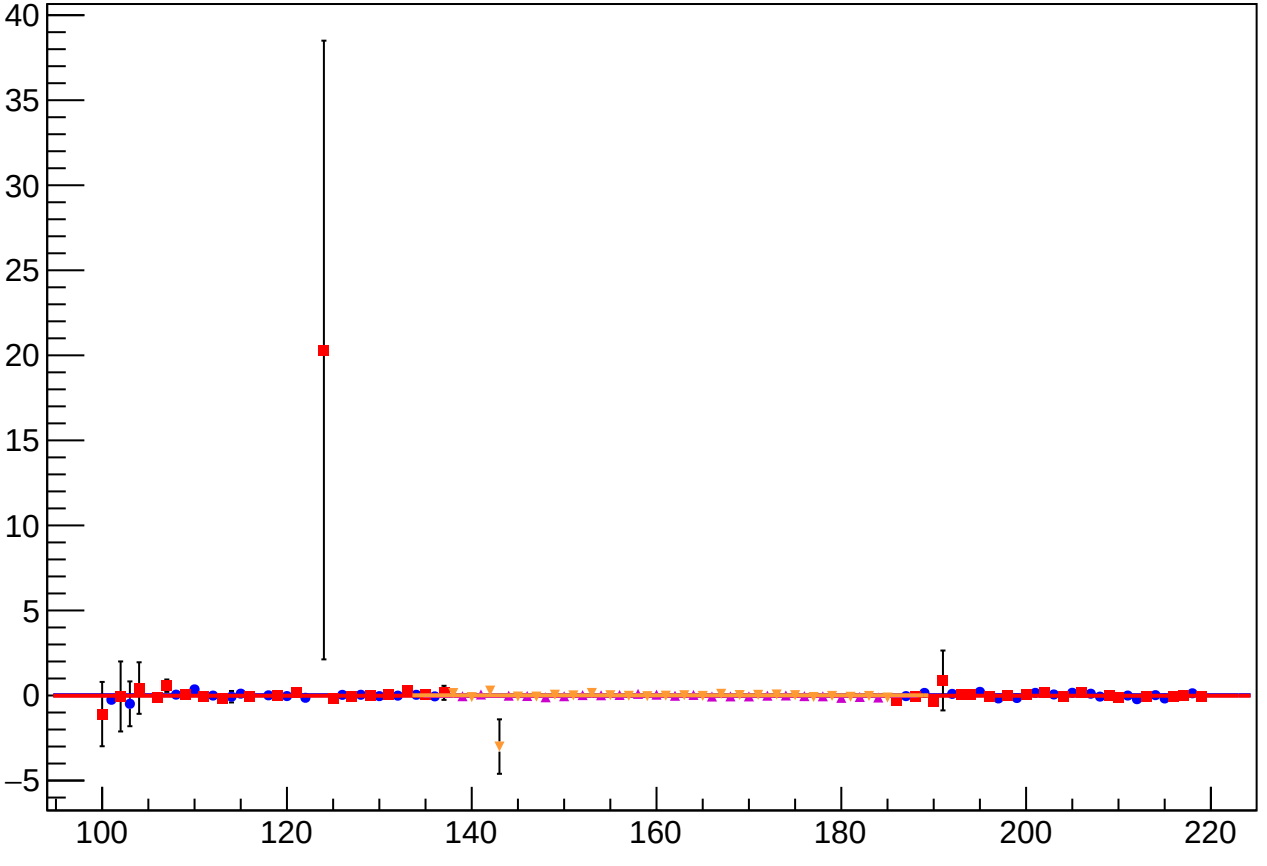
Right: 66.348+/-0.009 χ^2/NDF: 11305242.5/68

In: 53.683+/-0.007 χ^2/NDF:8290248.6/54

Out: 53.355+/-0.007 χ^2/NDF:11552705.1/61

All: 53.518+/-0.005 χ^2/NDF: 19844003.6/116

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.018 χ^2/NDF: 33.9/31

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.014+/-0.017 χ^2/NDF: 32.0/36

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

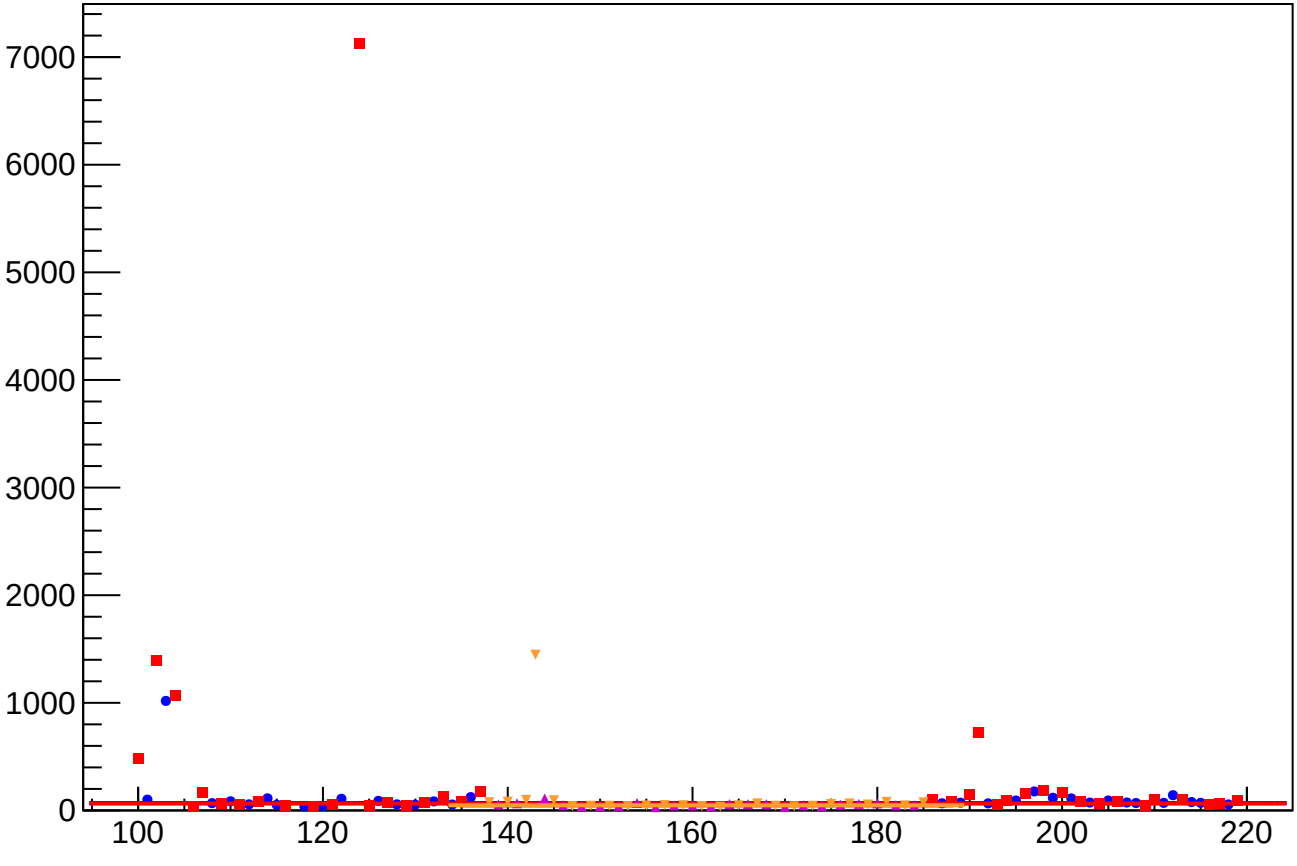
Right: 0.002+/-0.013 χ^2/NDF: 67.8/68

In: -0.006+/-0.010 χ^2/NDF:57.3/54

Out: 0.003+/-0.010 χ^2/NDF:63.1/61

All: -0.002+/-0.007 χ^2/NDF: 120.7/116

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.913+/-0.013 χ^2/NDF: 4308038.6/31

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.008+/-0.012 χ^2/NDF: 6921287.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

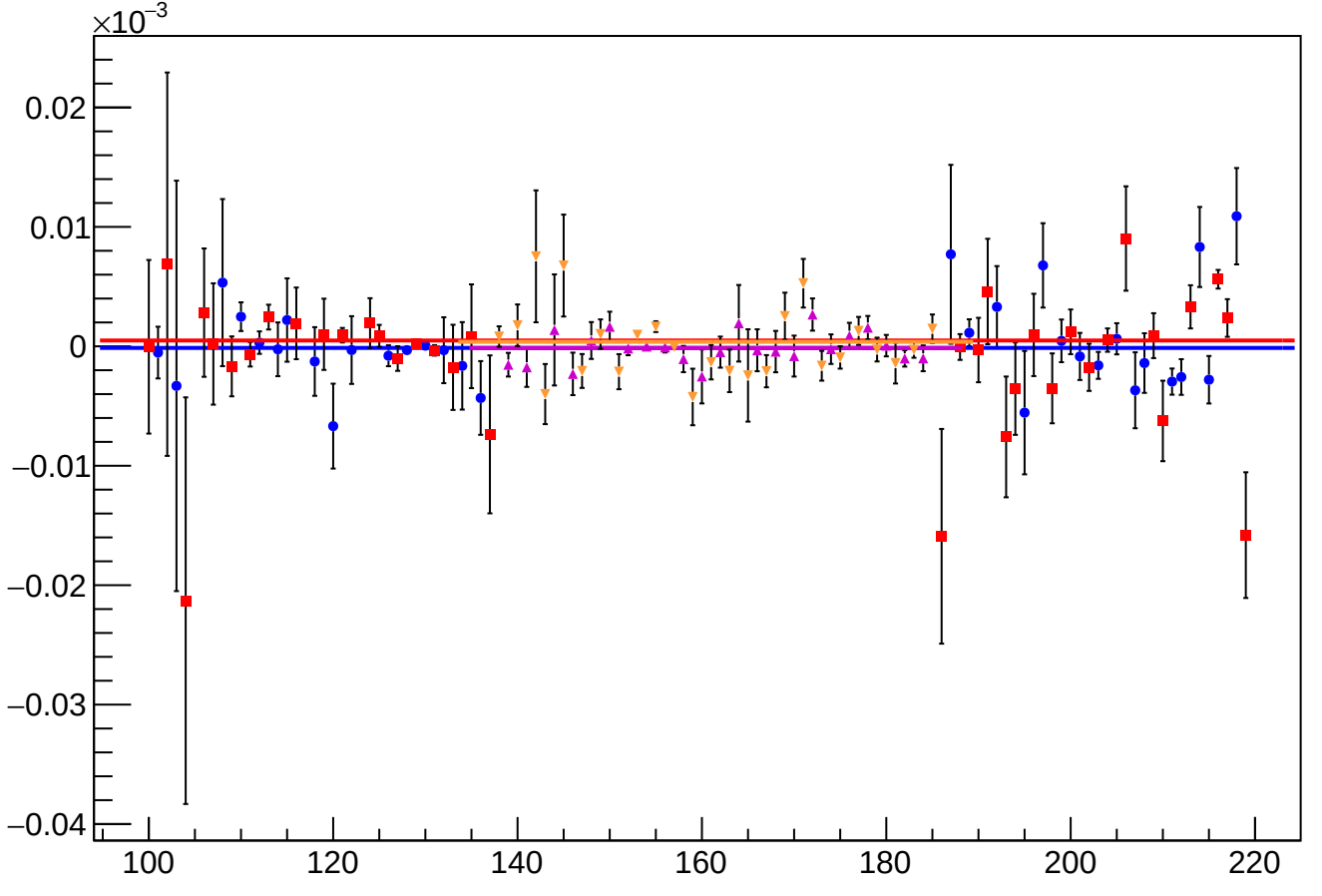
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 66.348+/-0.009 χ^2/NDF: 11305242.5/68

In: 53.683+/-0.007 χ^2/NDF:8290248.6/54

Out: 53.355+/-0.007 χ^2/NDF:11552705.1/61

All: 53.518+/-0.005 χ^2/NDF: 19844003.6/116



Right In: -0.000+/-0.000 χ^2/NDF: 49.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 93.7/36

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

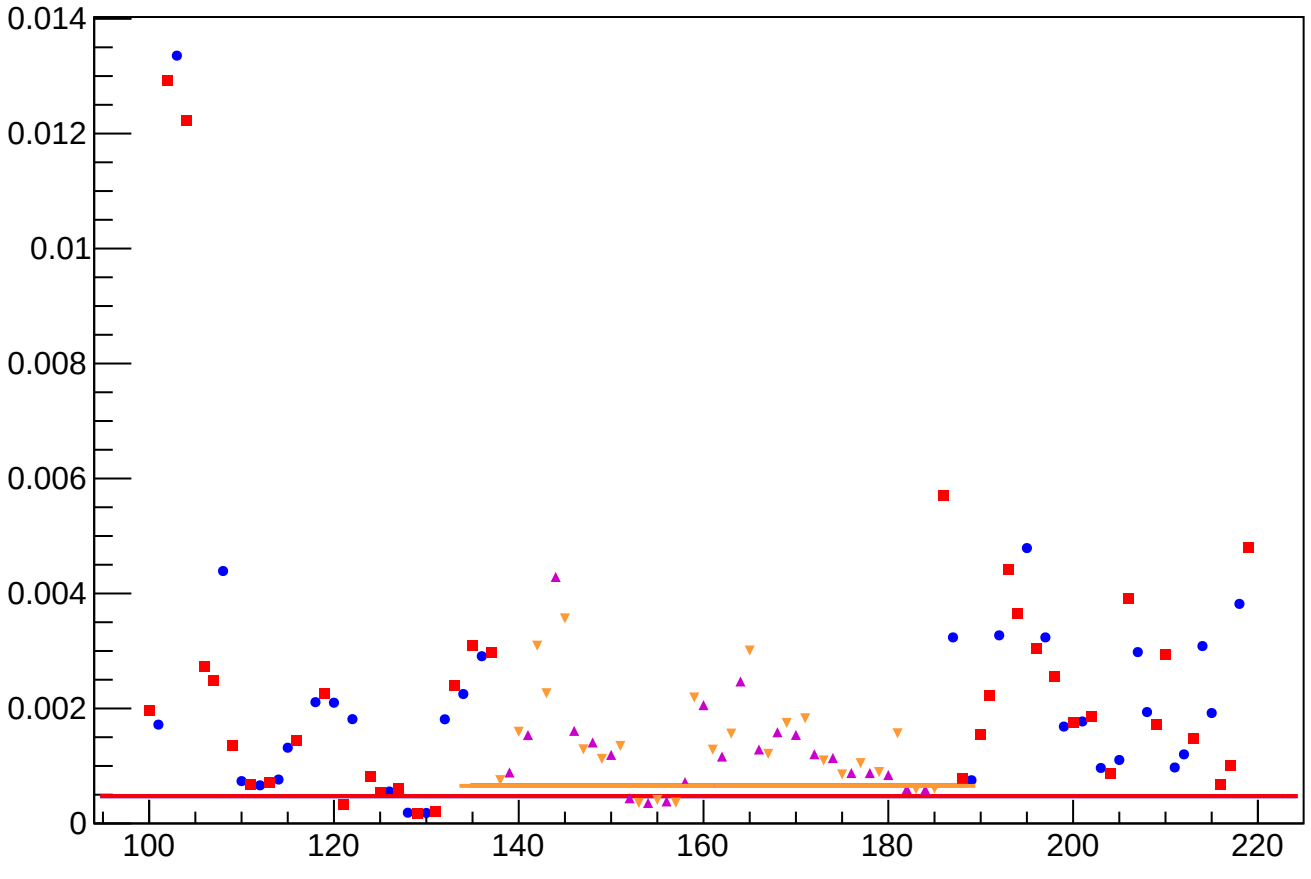
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 149.8/68

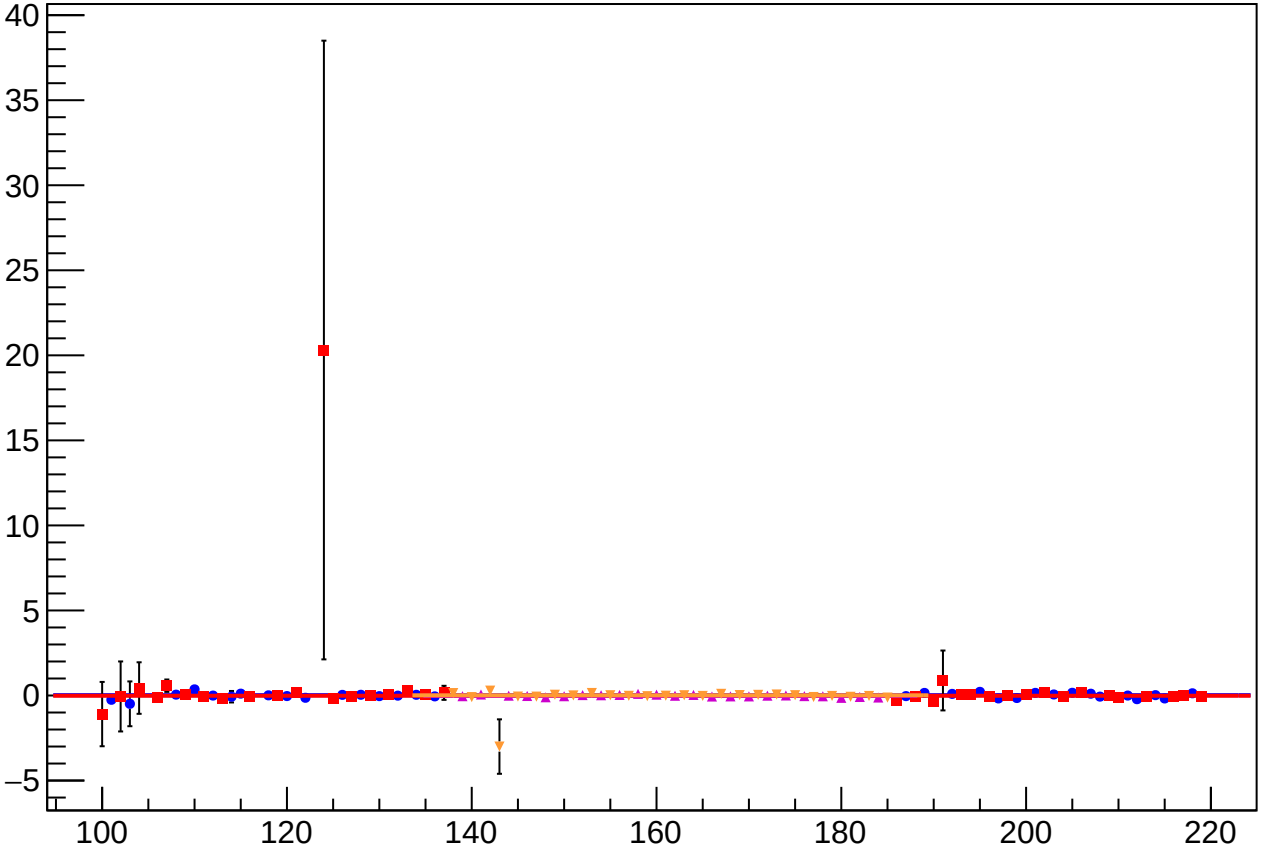
In: -0.000+/-0.000 χ^2/NDF:69.8/54

Out: 0.000+/-0.000 χ^2/NDF:145.6/61

All: 0.000+/-0.000 χ^2/NDF: 225.5/116


asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 23674785.5/31
Left Out: 0.001+/-0.000 χ²/NDF:12083891.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 23250000.3/36
Left In: 0.001+/-0.000 χ²/NDF:9695095.3/22
Left: 0.001+/-0.000 χ²/NDF: 21780521.8/47
Right: 0.000+/-0.000 χ²/NDF: 46925056.7/68
In: 0.001+/-0.000 χ²/NDF:34424116.8/54
Out: 0.001+/-0.000 χ²/NDF:36323413.0/61
All: 0.001+/-0.000 χ²/NDF: 70747562.1/116

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.018 χ^2/NDF: 33.9/31

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.014+/-0.017 χ^2/NDF: 32.0/36

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

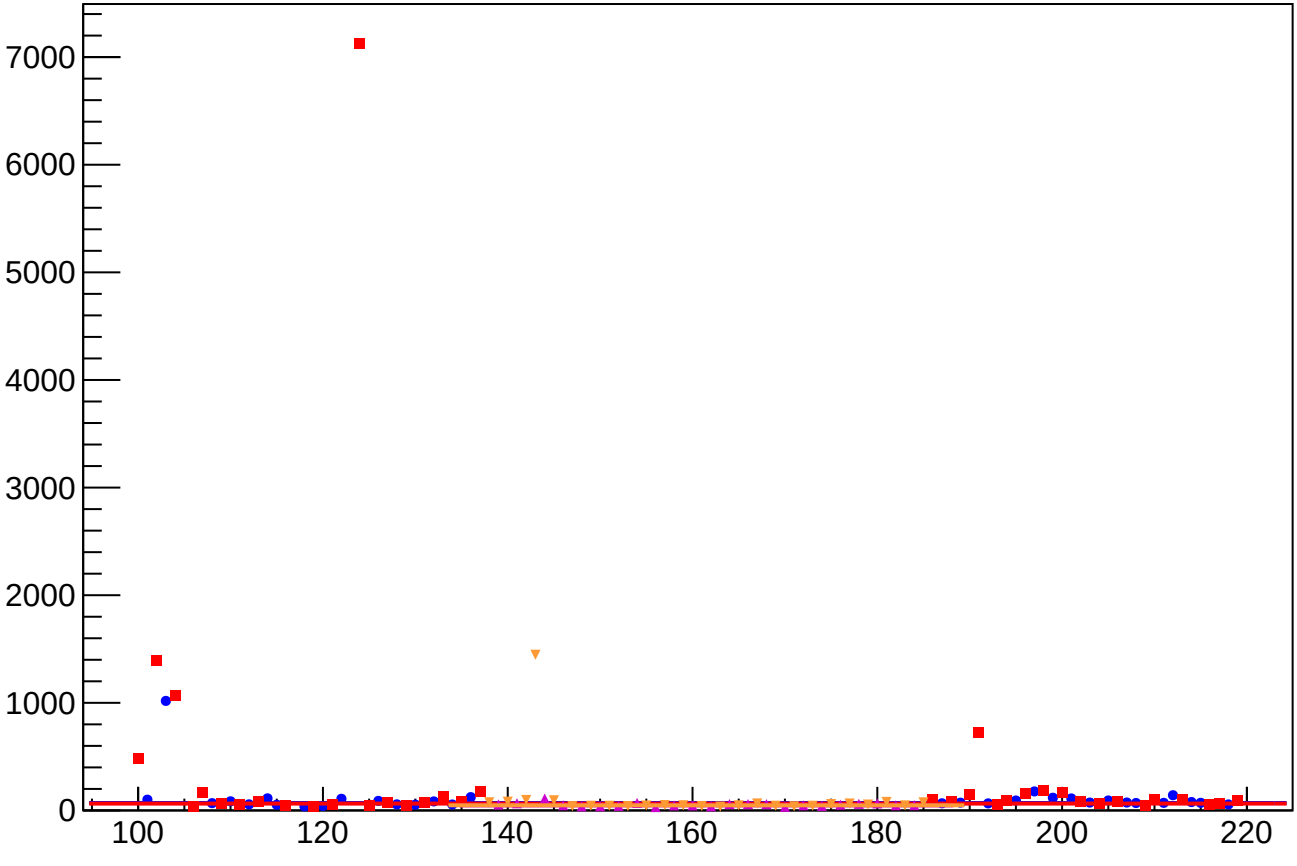
Right: 0.002+/-0.013 χ^2/NDF: 67.8/68

In: -0.006+/-0.010 χ^2/NDF:57.3/54

Out: 0.003+/-0.010 χ^2/NDF:63.1/61

All: -0.002+/-0.007 χ^2/NDF: 120.7/116

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.913+/-0.013 χ^2/NDF: 4308101.6/31

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.007+/-0.012 χ^2/NDF: 6921482.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

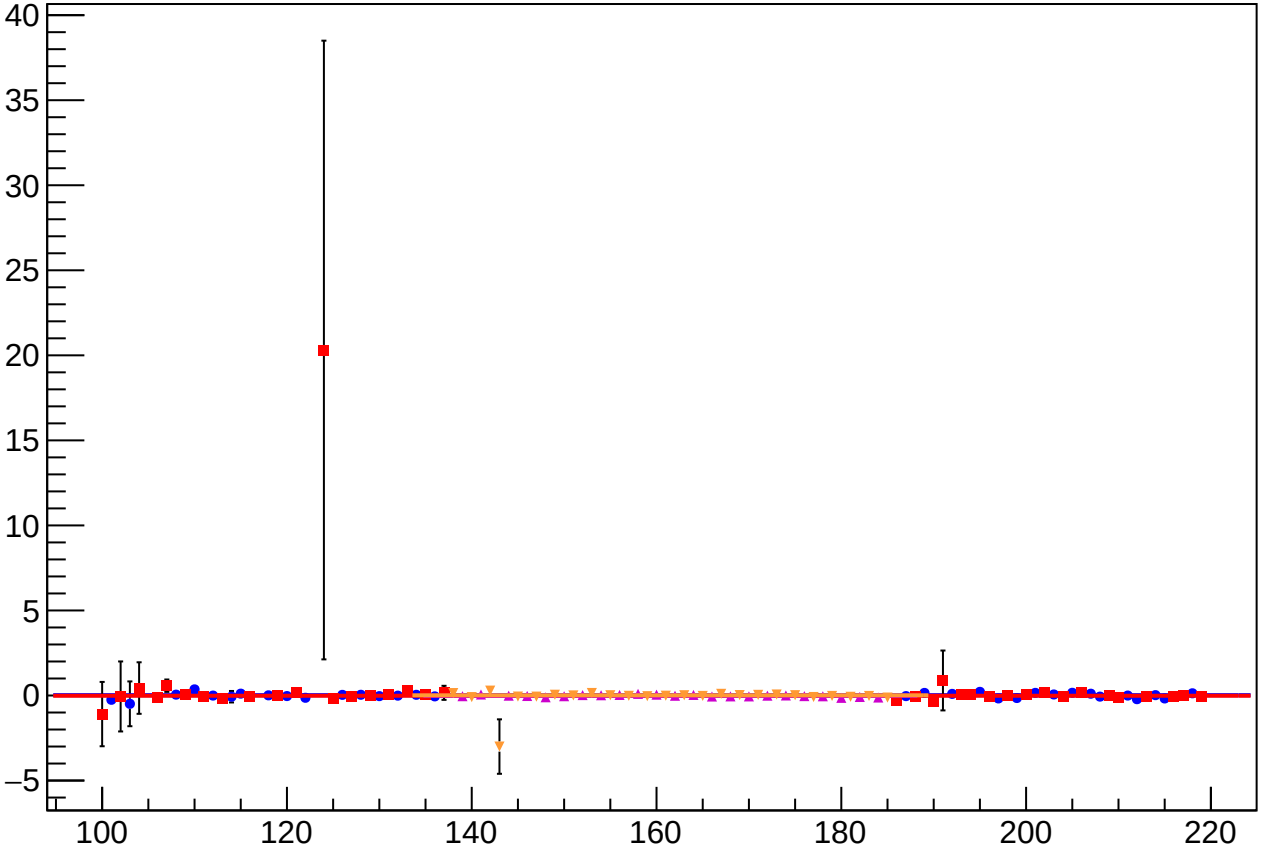
Right: 66.347+/-0.009 χ^2/NDF: 11305530.6/68

In: 53.683+/-0.007 χ^2/NDF:8290335.4/54

Out: 53.355+/-0.007 χ^2/NDF:11552744.7/61

All: 53.518+/-0.005 χ^2/NDF: 19844130.3/116

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.018 χ^2/NDF: 33.9/31

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.014+/-0.017 χ^2/NDF: 32.0/36

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

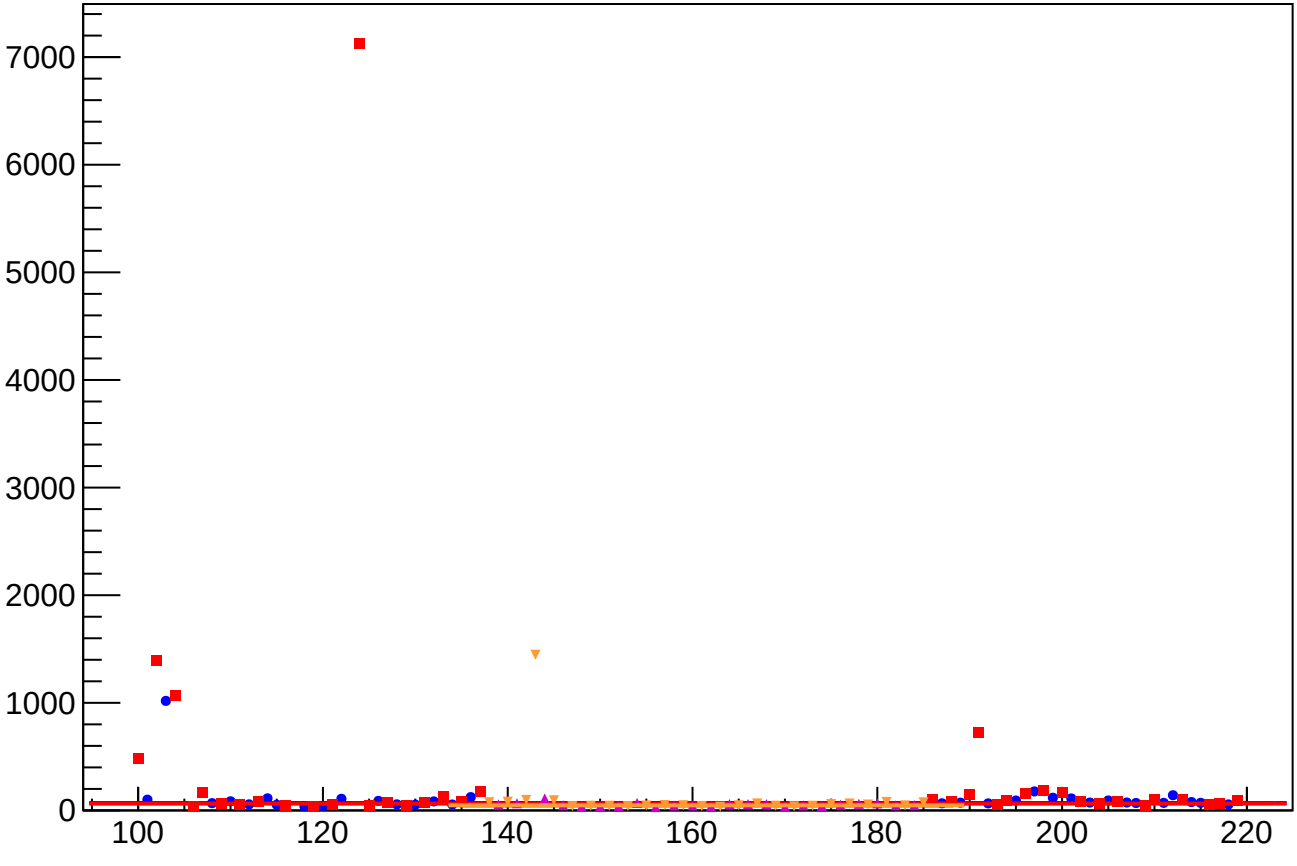
Right: 0.002+/-0.013 χ^2/NDF: 67.8/68

In: -0.006+/-0.010 χ^2/NDF:57.3/54

Out: 0.003+/-0.010 χ^2/NDF:63.1/61

All: -0.002+/-0.007 χ^2/NDF: 120.7/116

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.913+/-0.013 χ^2/NDF: 4308101.6/31

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.007+/-0.012 χ^2/NDF: 6921482.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

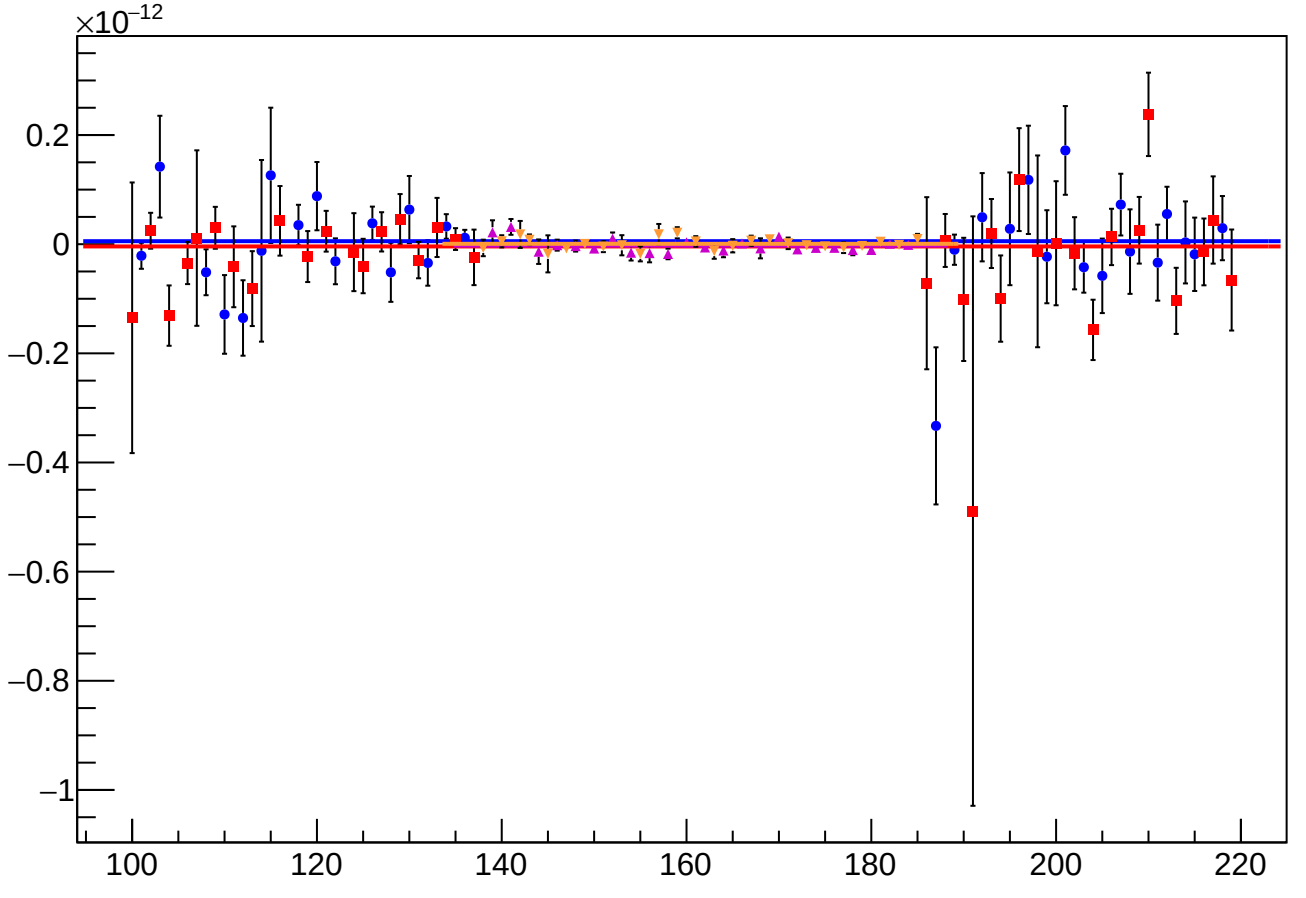
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 66.347+/-0.009 χ^2/NDF: 11305530.6/68

In: 53.683+/-0.007 χ^2/NDF:8290335.4/54

Out: 53.355+/-0.007 χ^2/NDF:11552744.7/61

All: 53.518+/-0.005 χ^2/NDF: 19844130.3/116



Right In: 0.000+/-0.000 χ^2/NDF: 39.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.1/36

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

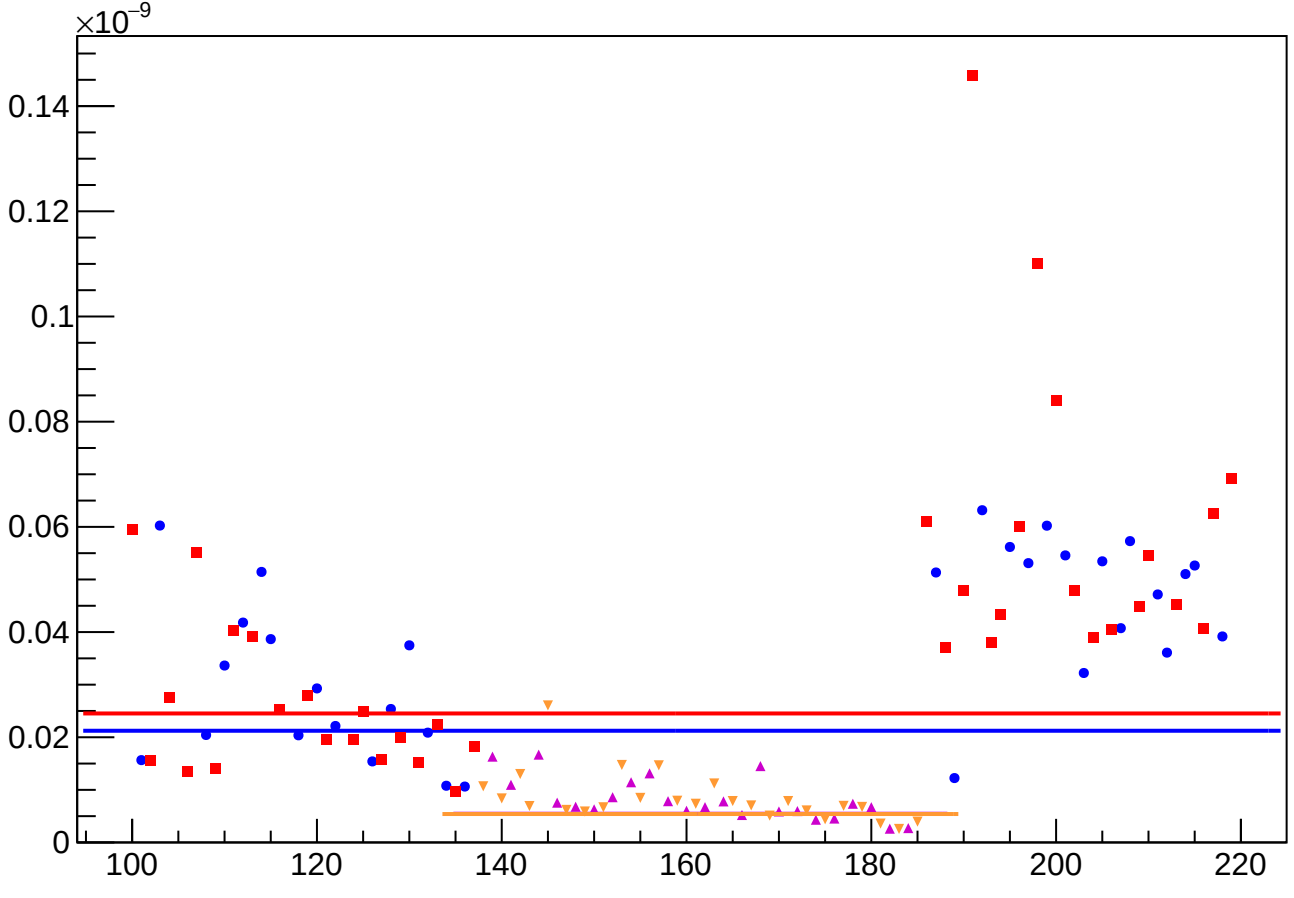
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 81.2/68

In: -0.000+/-0.000 χ^2/NDF:62.3/54

Out: 0.000+/-0.000 χ^2/NDF:56.5/61

All: -0.000+/-0.000 χ^2/NDF: 120.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 7188283.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6587109.4/36

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

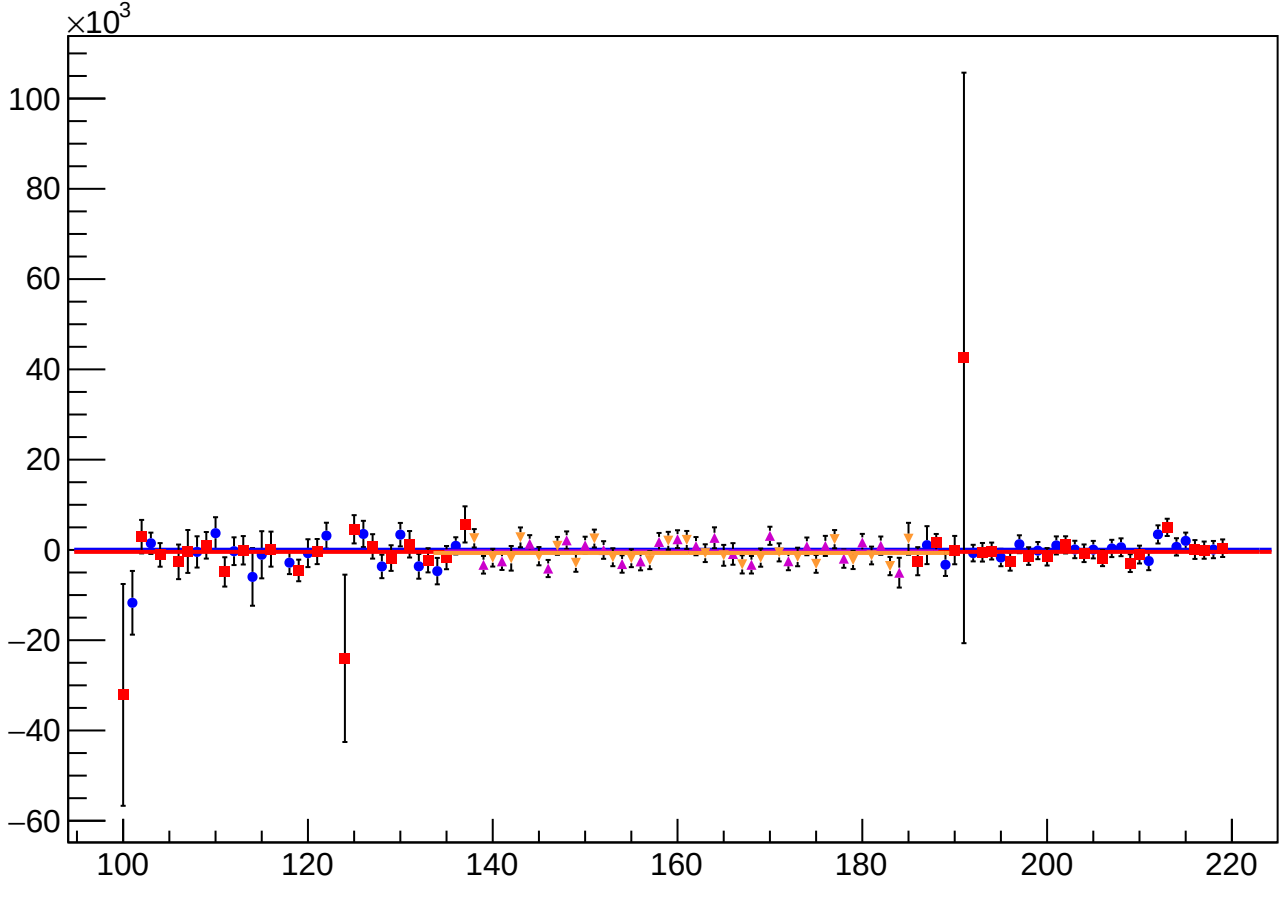
Right: 0.000+/-0.000 χ^2/NDF: 13943669.5/68

In: 0.000+/-0.000 χ^2/NDF:20493912.2/54

Out: 0.000+/-0.000 χ^2/NDF:21439912.3/61

All: 0.000+/-0.000 χ^2/NDF: 41941744.3/116

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: 46.707+/-414.737 χ^2/NDF: 26.6/31

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -431.447+/-407.380 χ^2/NDF: 31.0/36

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

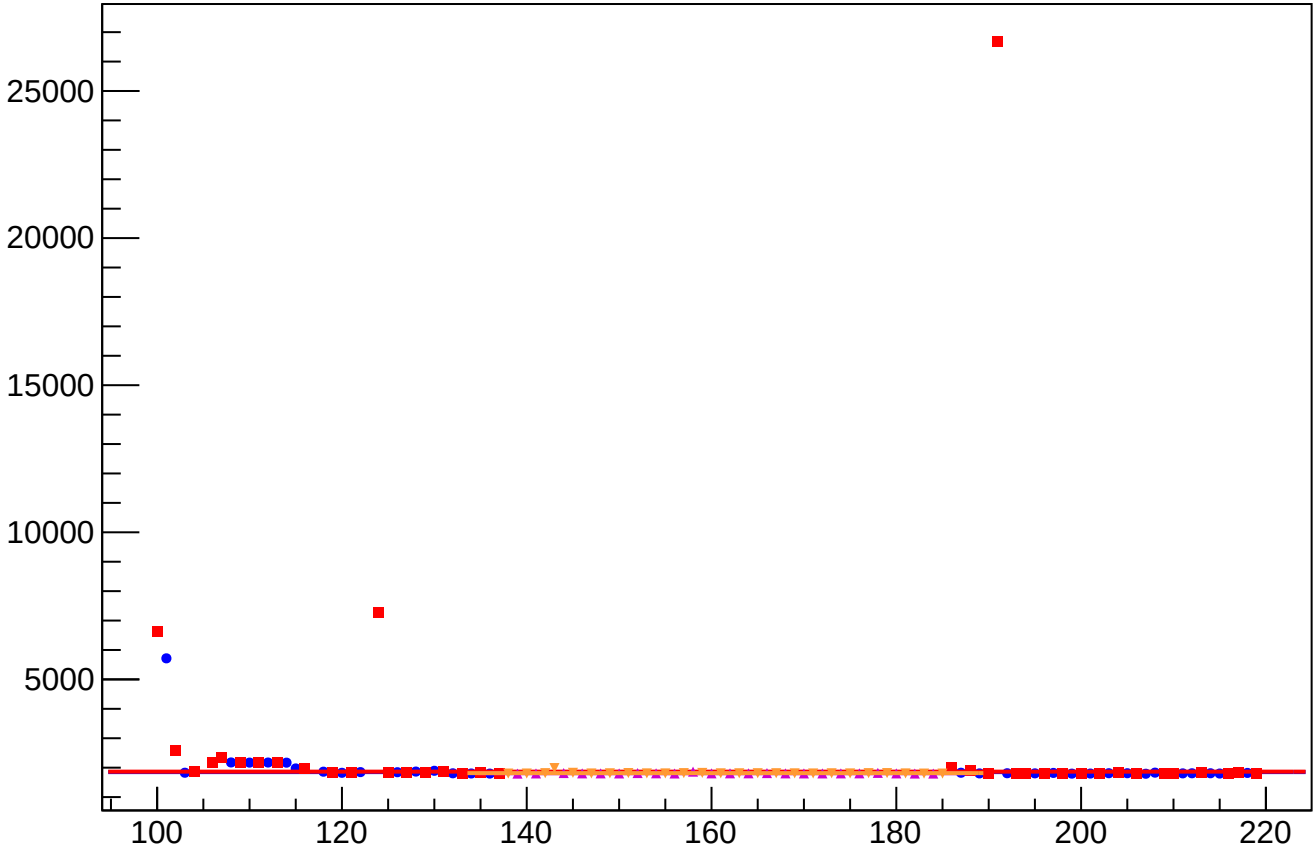
Right: -196.648+/-290.628 χ^2/NDF: 58.3/68

In: -144.409+/-296.043 χ^2/NDF:57.1/54

Out: -549.339+/-289.752 χ^2/NDF:55.9/61

All: -351.222+/-207.074 χ^2/NDF: 114.0/116

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1848.938+/-0.293 χ^2/NDF: 680161.6/31

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1864.918+/-0.288 χ^2/NDF: 761350.5/36

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

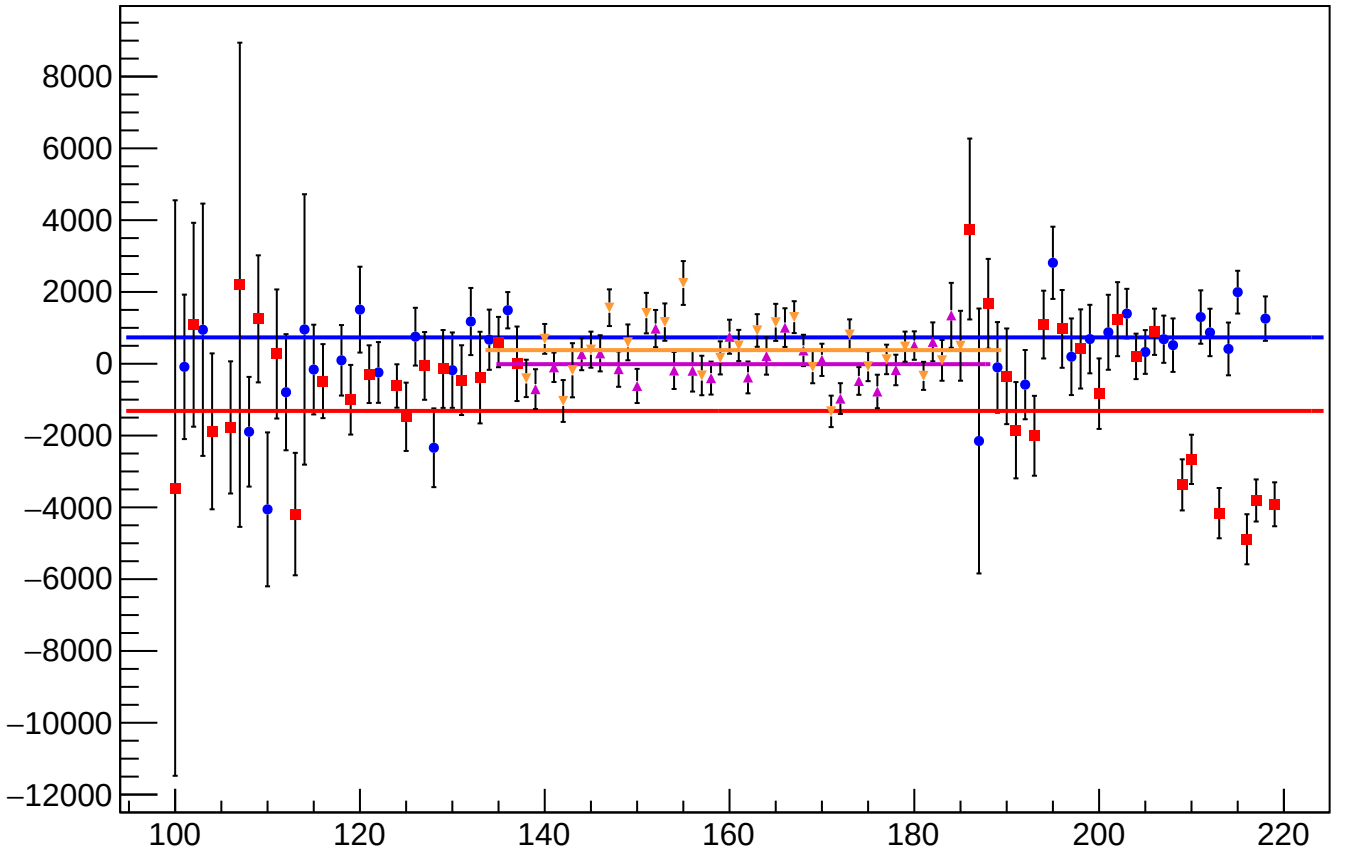
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1857.071+/-0.206 χ^2/NDF: 1443023.4/68

In: 1830.064+/-0.209 χ^2/NDF:690573.6/54

Out: 1839.974+/-0.205 χ^2/NDF:789628.5/61

All: 1835.125+/-0.146 χ^2/NDF: 1481346.6/11



Right In: 734.211+/-156.364 χ^2/NDF: 37.7/31

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -1313.543+/-154.657 χ^2/NDF: 163.1/36

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

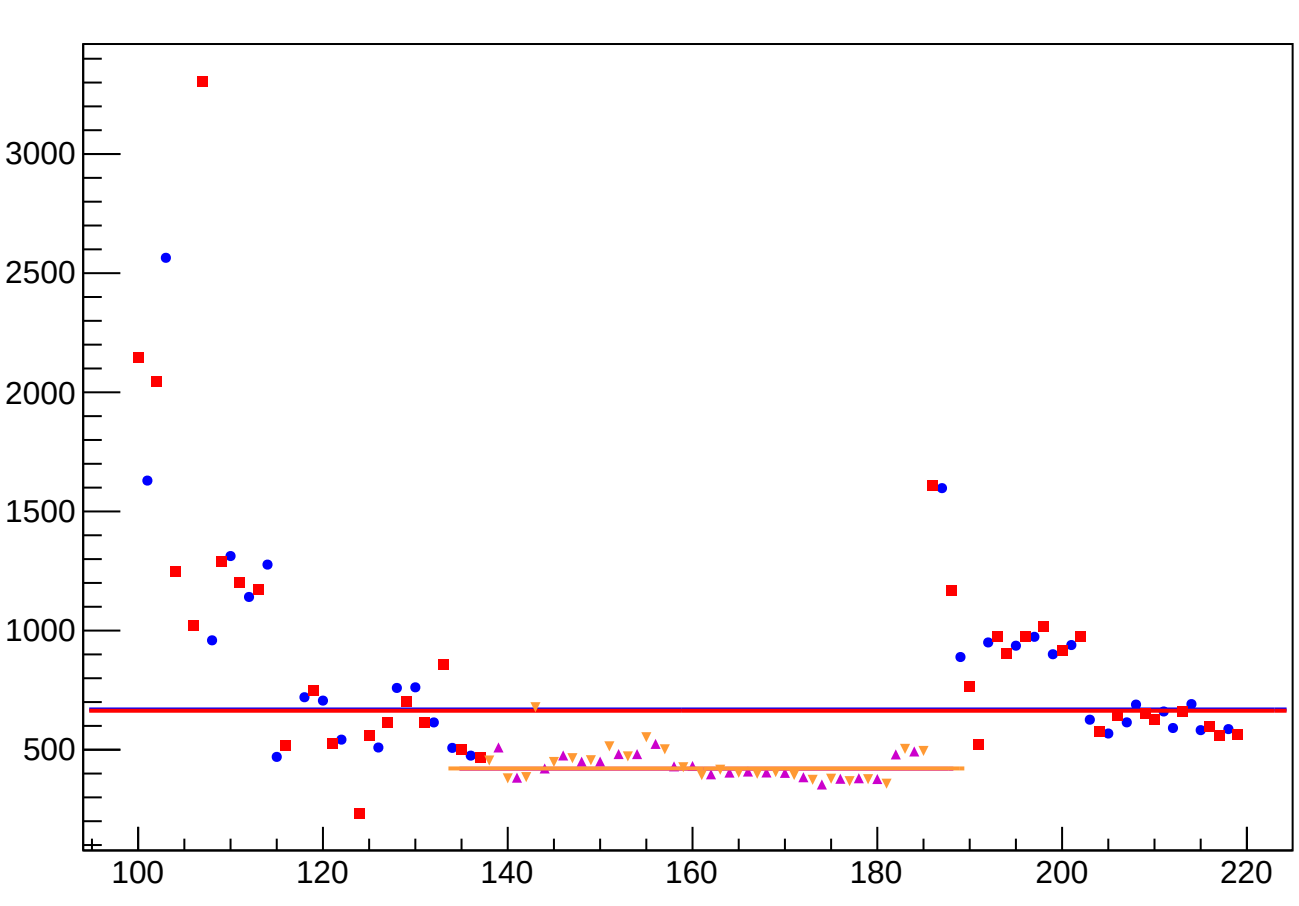
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: -300.908+/-109.957 χ^2/NDF: 287.5/68

In: 201.795+/-83.630 χ^2/NDF:85.0/54

Out: -98.675+/-82.183 χ^2/NDF:311.4/61

All: 48.937+/-58.617 χ^2/NDF: 403.0/116



Right In: 668.932+/-0.111 χ^2/NDF: 3197702.6/31

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 663.672+/-0.109 χ^2/NDF: 4862617.2/36

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

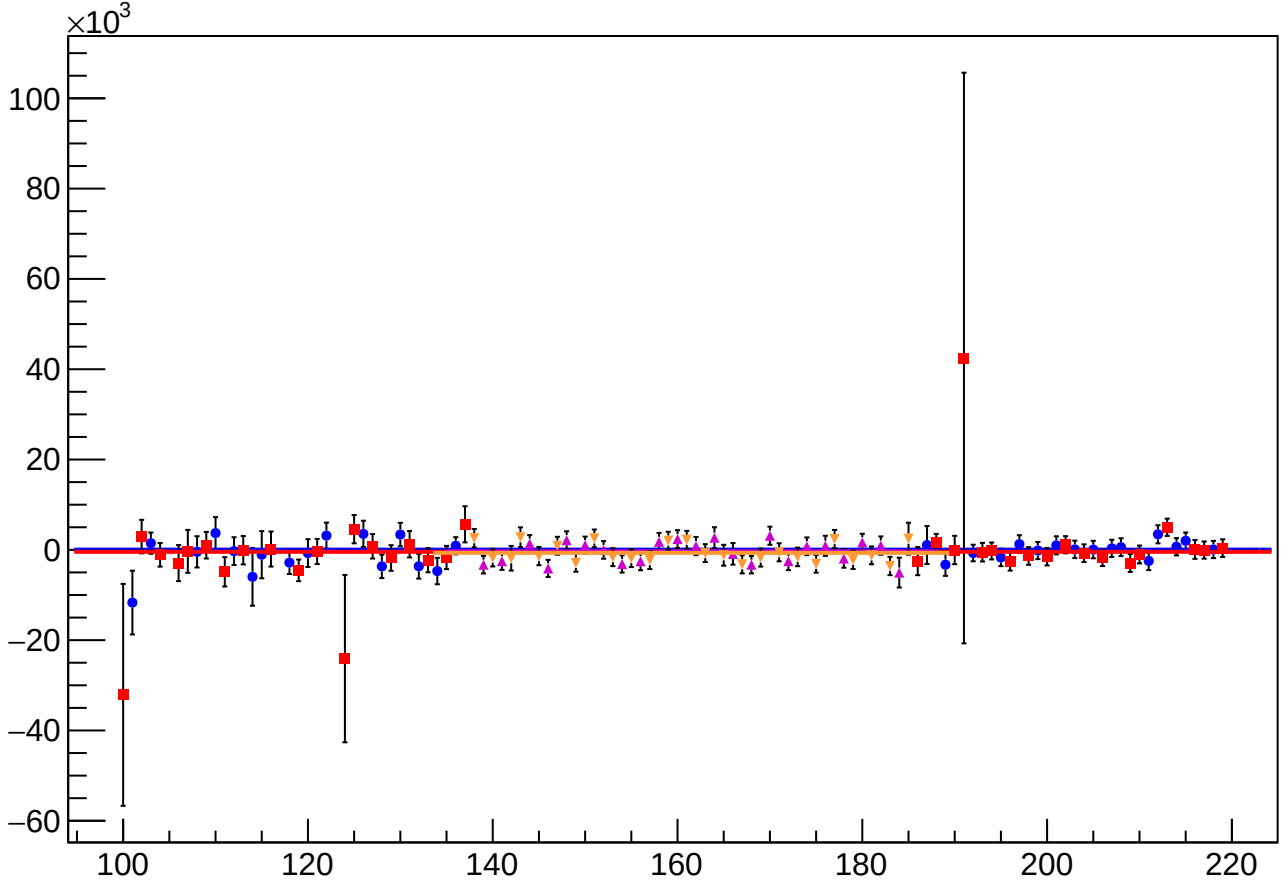
Right: 666.273+/-0.078 χ^2/NDF: 8061463.9/68

In: 491.367+/-0.059 χ^2/NDF:7223313.6/54

Out: 489.823+/-0.058 χ^2/NDF:9127258.0/61

All: 490.582+/-0.041 χ^2/NDF: 16350918.5/11

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: 47.039+/-414.737 χ^2/NDF: 26.6/31

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -432.704+/-407.562 χ^2/NDF: 31.1/36

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

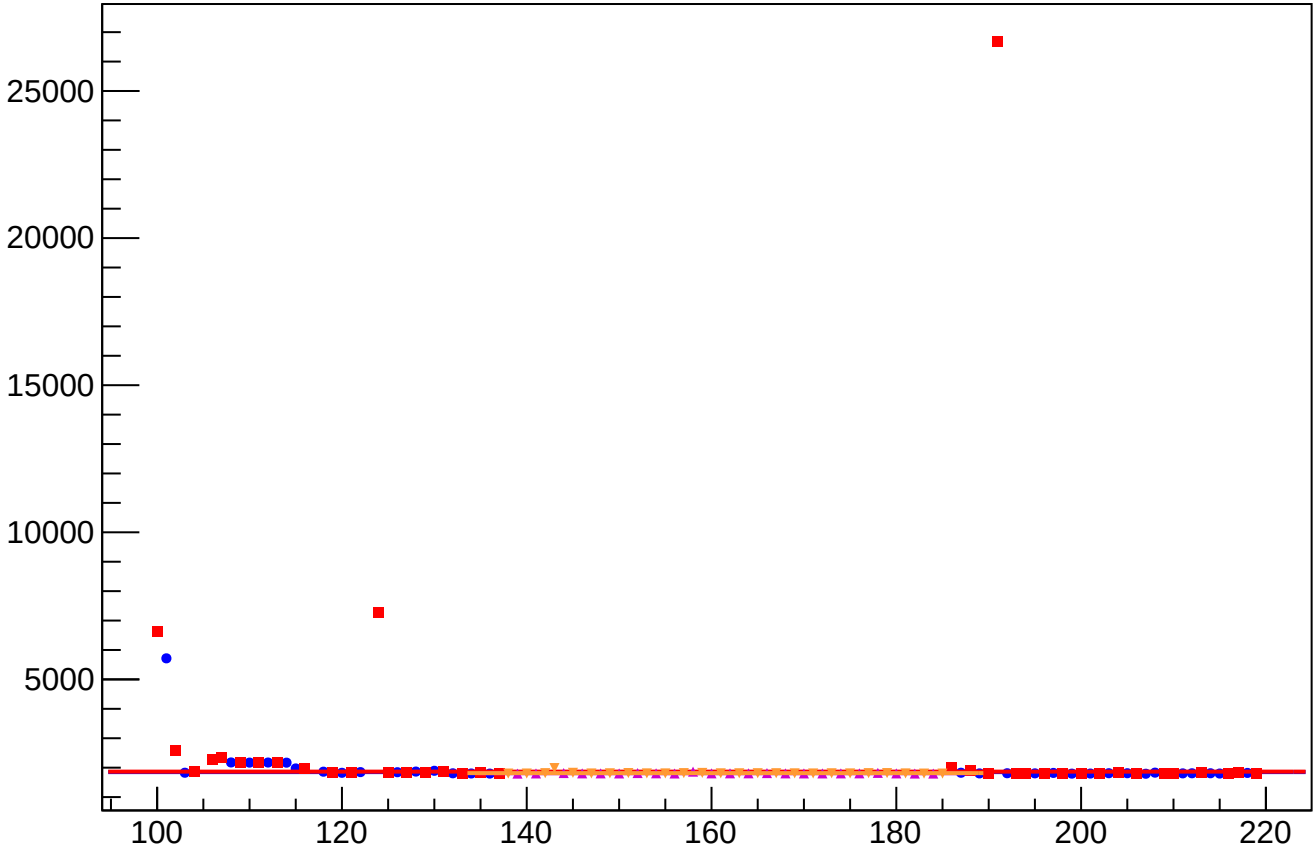
Right: -197.019+/-290.694 χ^2/NDF: 58.4/68

In: -144.262+/-296.043 χ^2/NDF:57.1/54

Out: -550.023+/-289.818 χ^2/NDF:56.0/61

All: -351.453+/-207.098 χ^2/NDF: 114.1/116

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1848.938+/-0.293 χ^2/NDF: 680161.5/31

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1865.484+/-0.288 χ^2/NDF: 767699.9/36

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

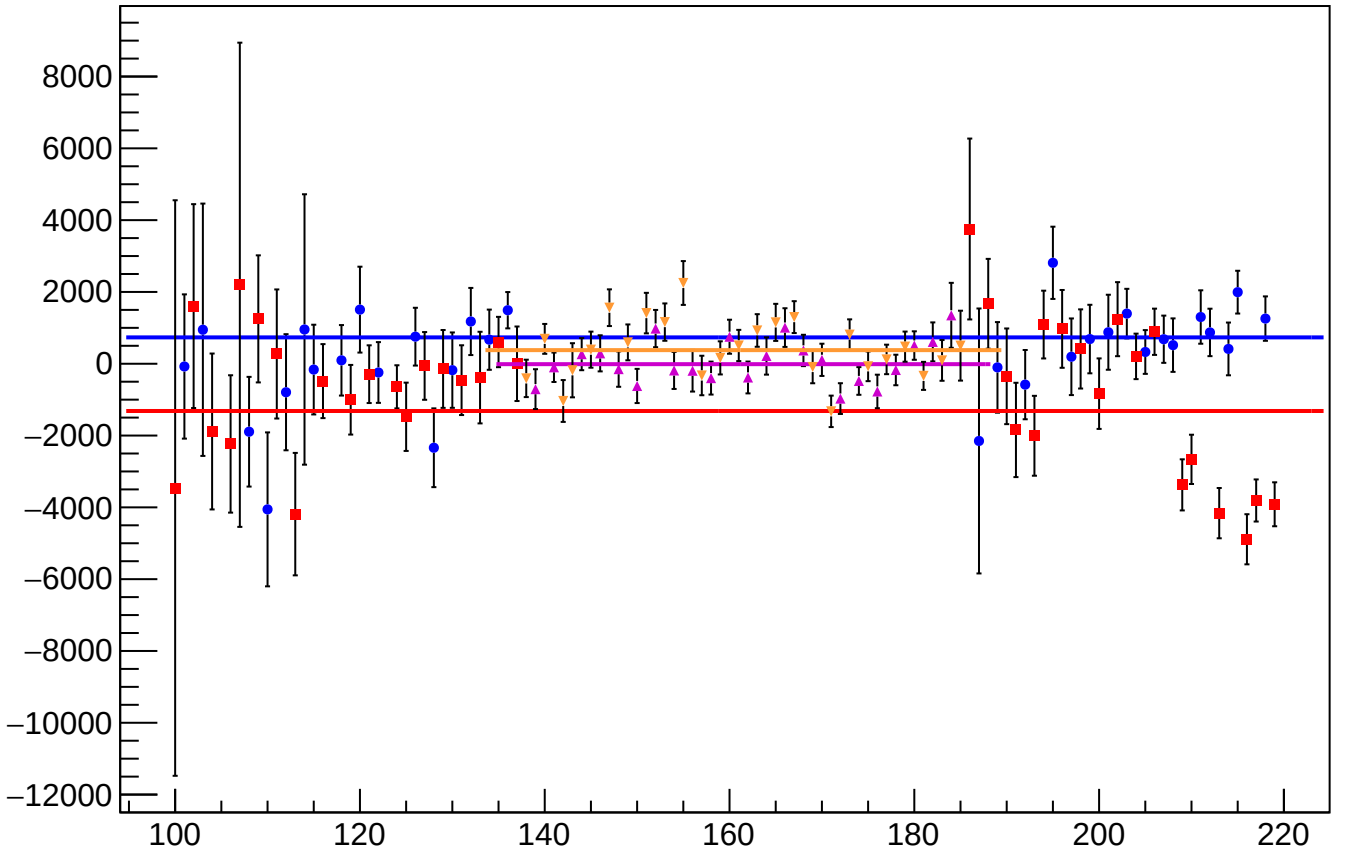
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1857.355+/-0.206 χ^2/NDF: 1449480.9/68

In: 1830.064+/-0.209 χ^2/NDF:690573.5/54

Out: 1840.249+/-0.205 χ^2/NDF:796313.3/61

All: 1835.265+/-0.146 χ^2/NDF: 1488095.4/11



Right In: 734.316+/-156.362 χ^2/NDF: 37.7/31

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -1315.839+/-154.578 χ^2/NDF: 163.6/36

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

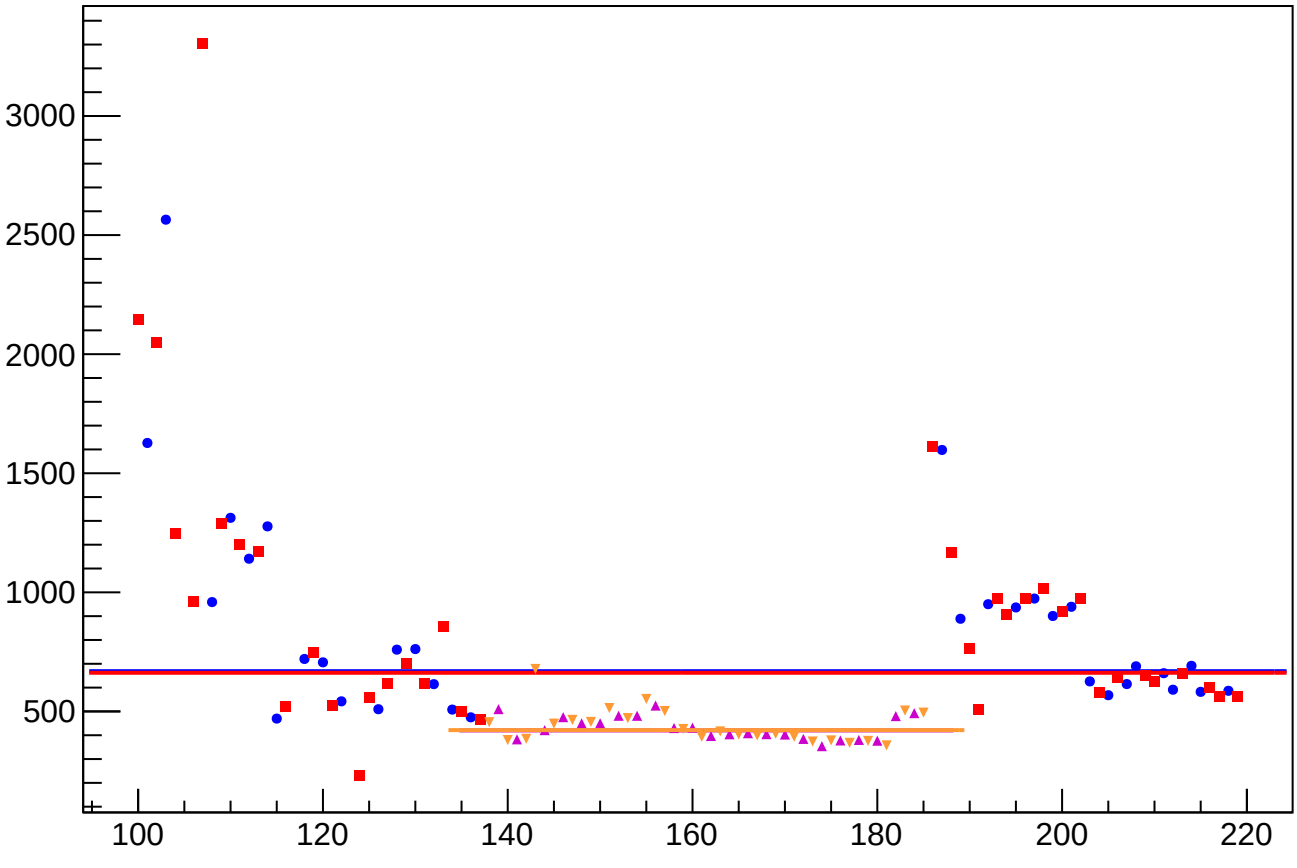
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -302.522+/-109.929 χ^2/NDF: 288.2/68

In: 201.818+/-83.629 χ^2/NDF:85.1/54

Out: -99.684+/-82.171 χ^2/NDF:312.2/61

All: 48.416+/-58.613 χ^2/NDF: 403.9/116



Right In: 668.931+/-0.111 χ^2/NDF: 3196876.6/31

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 662.321+/-0.109 χ^2/NDF: 4866440.8/36

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

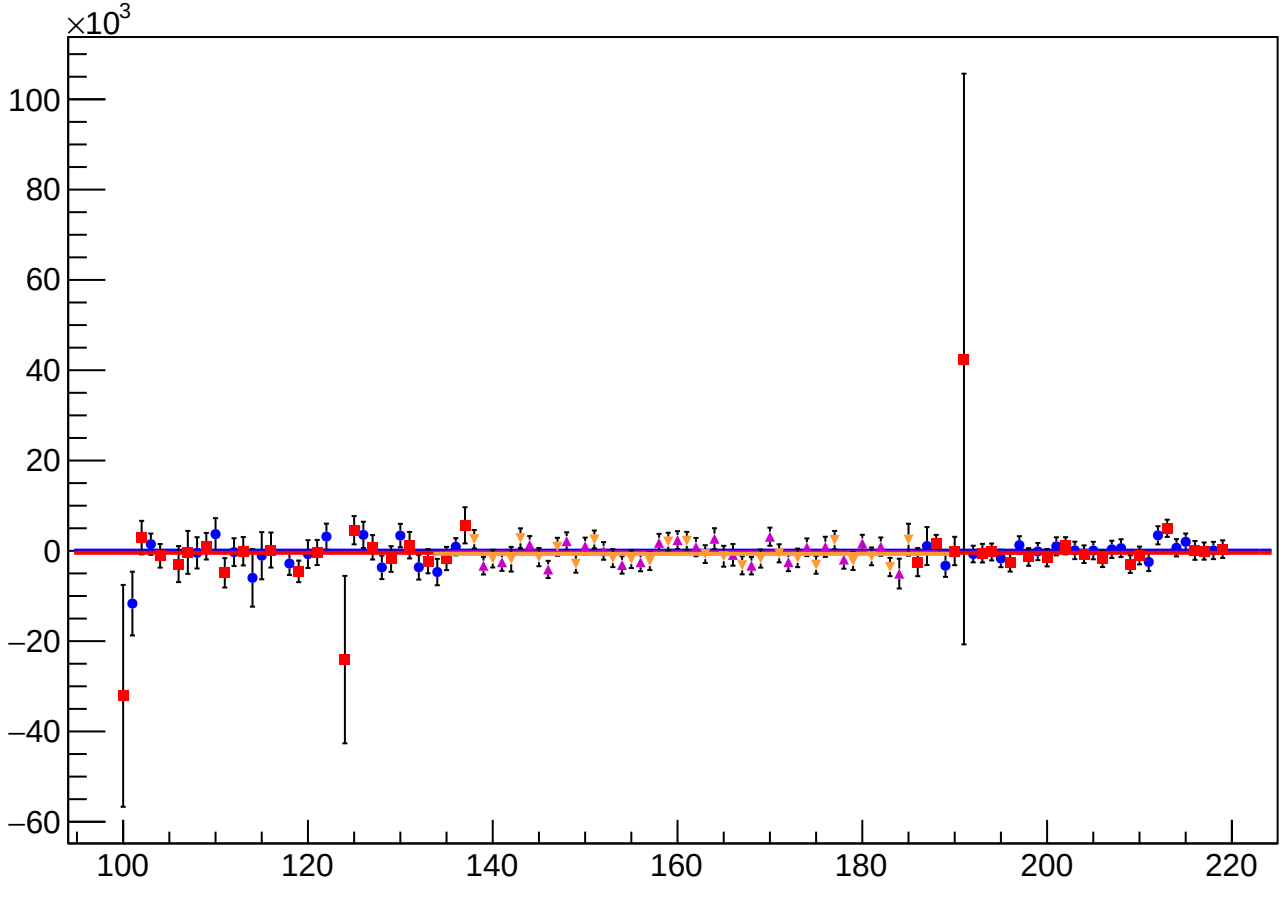
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 665.588+/-0.078 χ^2/NDF: 8065125.4/68

In: 491.365+/-0.059 χ^2/NDF:7222712.9/54

Out: 489.494+/-0.058 χ^2/NDF:9094266.6/61

All: 490.413+/-0.041 χ^2/NDF: 16317488.7/11



Right In: 47.039+/-414.737 χ^2/NDF: 26.6/31

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -432.704+/-407.562 χ^2/NDF: 31.1/36

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

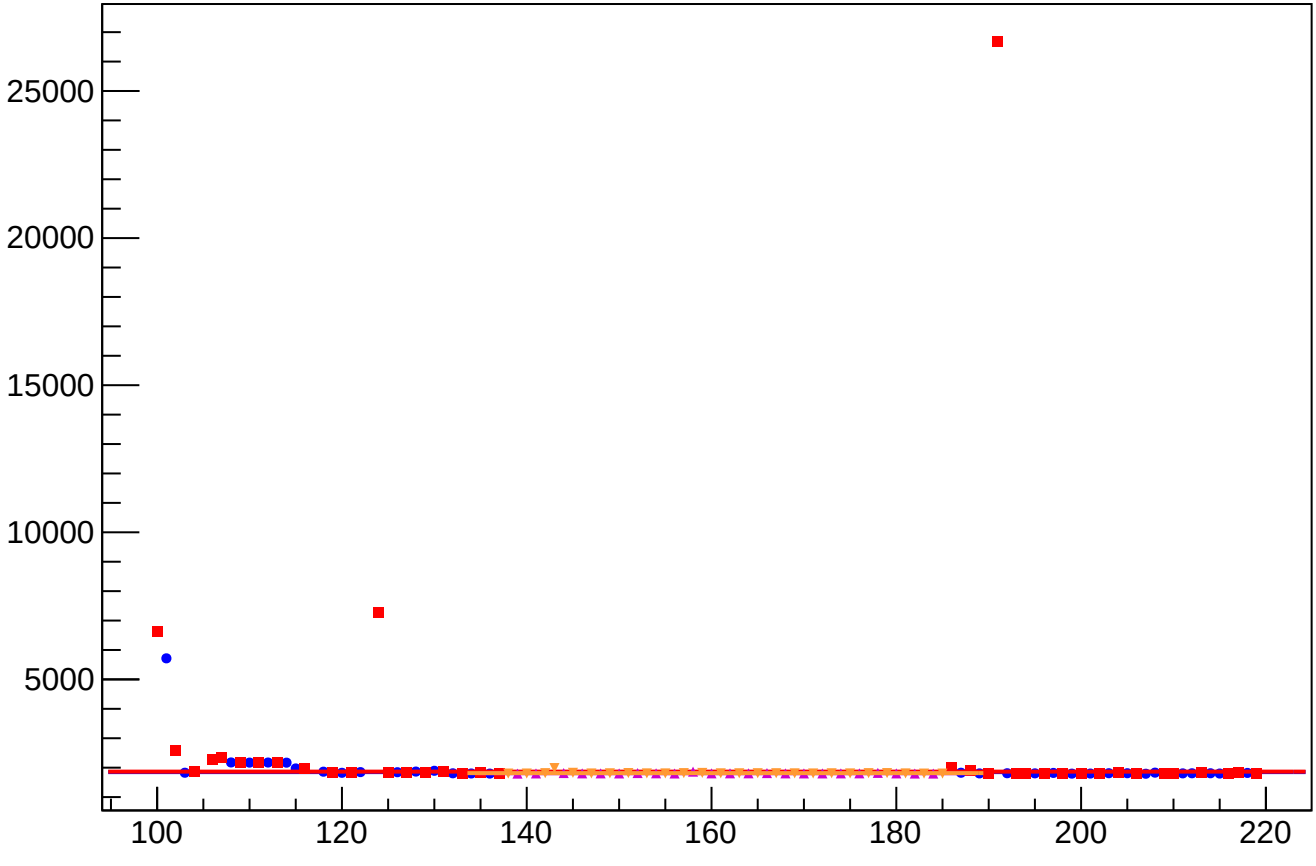
Right: -197.019+/-290.694 χ^2/NDF: 58.4/68

In: -144.262+/-296.043 χ^2/NDF:57.1/54

Out: -550.023+/-289.818 χ^2/NDF:56.0/61

All: -351.453+/-207.098 χ^2/NDF: 114.1/116

eigen_cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1848.938+/-0.293 χ^2/NDF: 680161.5/31

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1865.484+/-0.288 χ^2/NDF: 767699.9/36

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

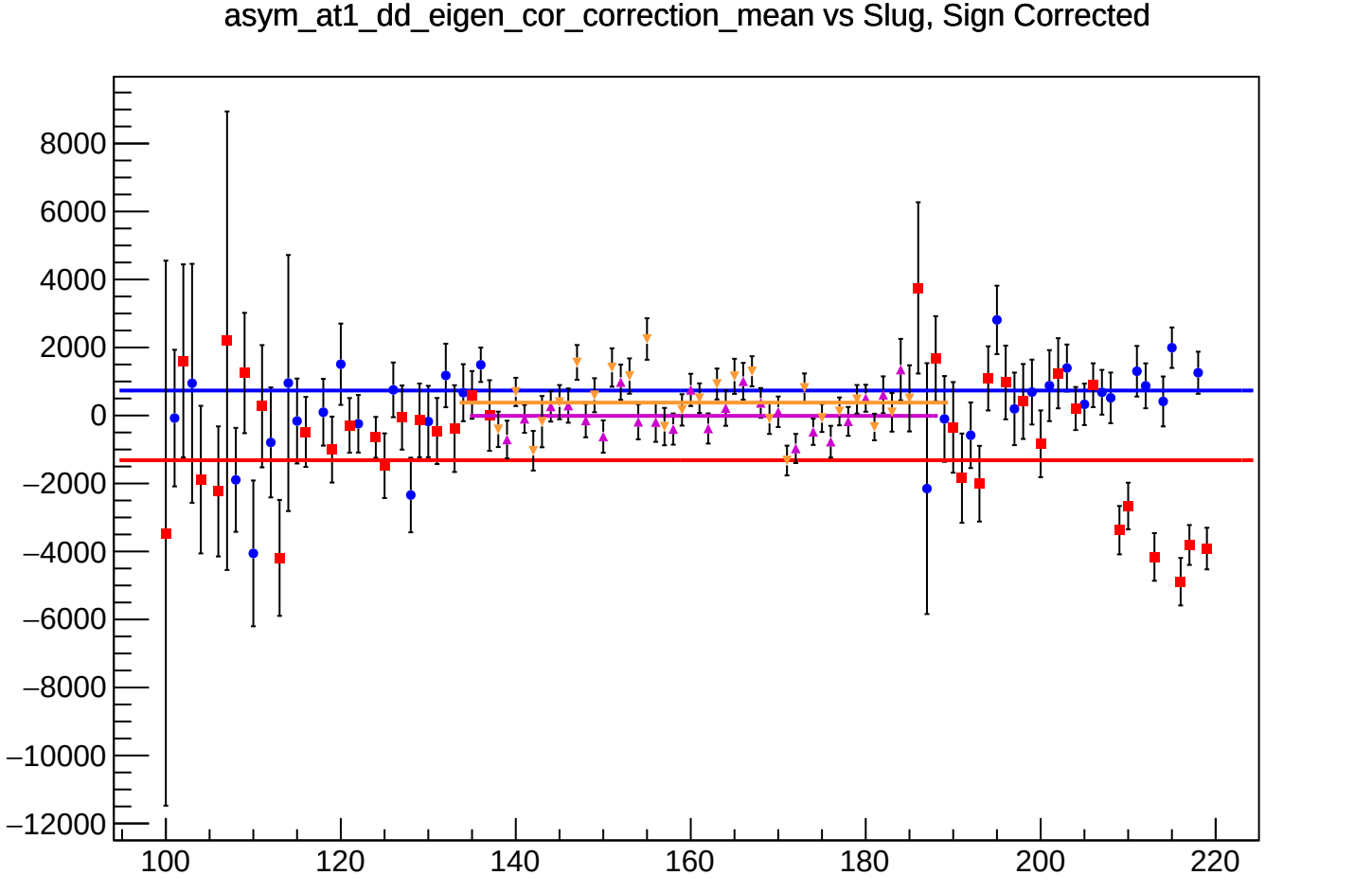
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1857.355+/-0.206 χ^2/NDF: 1449480.9/68

In: 1830.064+/-0.209 χ^2/NDF:690573.5/54

Out: 1840.249+/-0.205 χ^2/NDF:796313.3/61

All: 1835.265+/-0.146 χ^2/NDF: 1488095.4/11



Right In: 734.316+/-156.362 χ^2/NDF: 37.7/31

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -1315.839+/-154.578 χ^2/NDF: 163.6/36

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

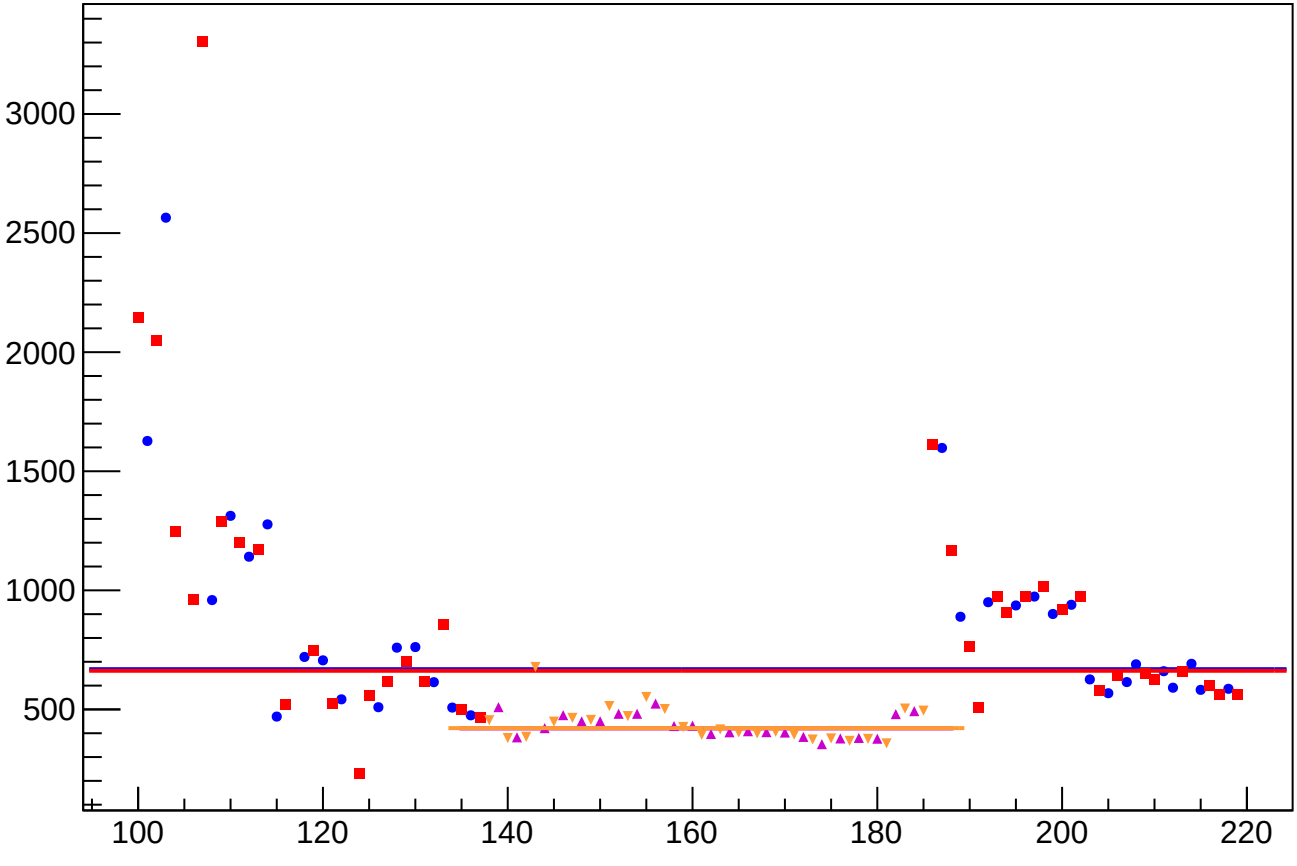
Right: -302.522+/-109.929 χ^2/NDF: 288.2/68

In: 201.818+/-83.629 χ^2/NDF:85.1/54

Out: -99.684+/-82.171 χ^2/NDF:312.2/61

All: 48.416+/-58.613 χ^2/NDF: 403.9/116

asym_at1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 668.931+/-0.111 χ^2/NDF: 3196876.6/31

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 662.321+/-0.109 χ^2/NDF: 4866440.8/36

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

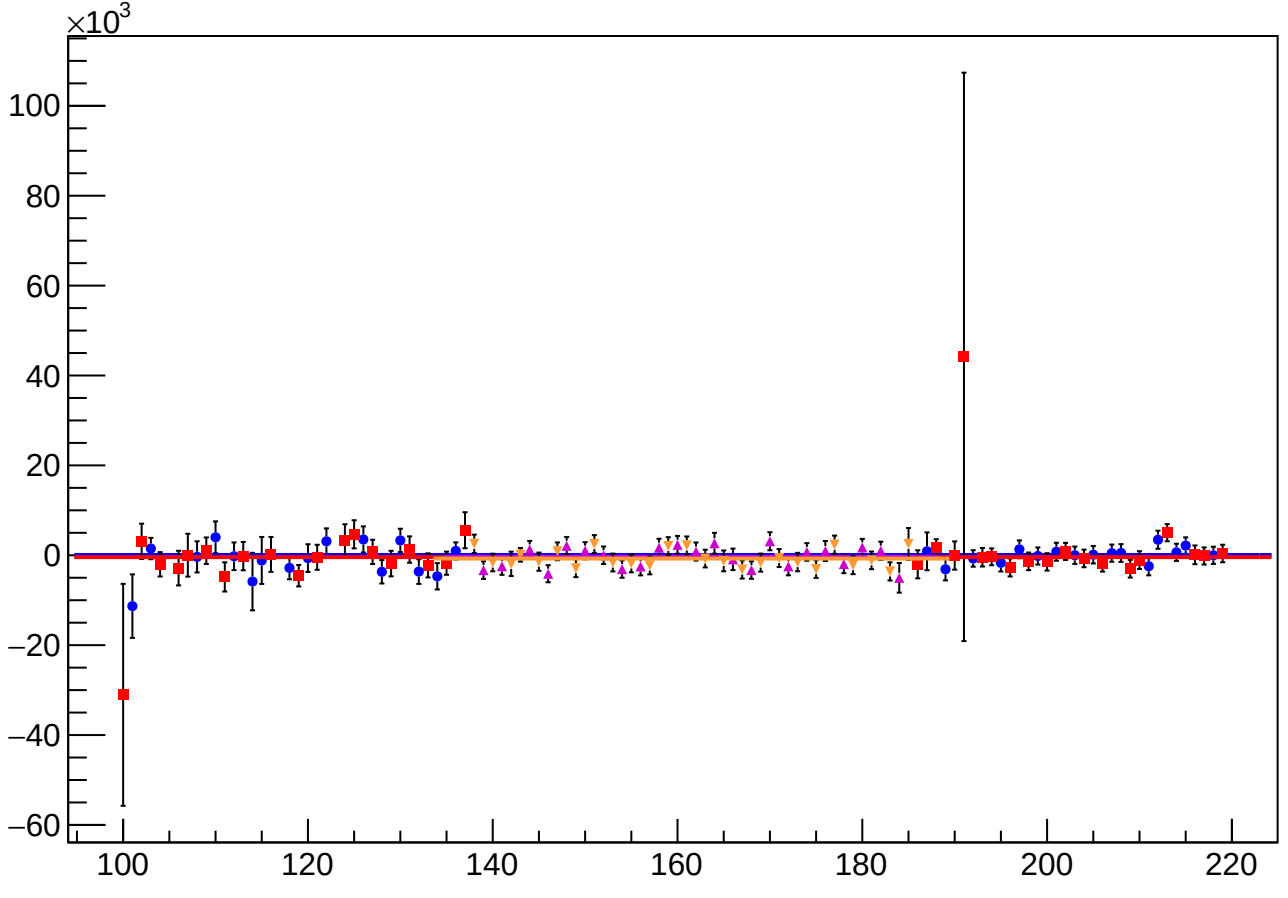
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 665.588+/-0.078 χ^2/NDF: 8065125.4/68

In: 491.365+/-0.059 χ^2/NDF:7222712.9/54

Out: 489.494+/-0.058 χ^2/NDF:9094266.6/61

All: 490.413+/-0.041 χ^2/NDF: 16317488.7/11



Right In: 57.979+/-415.141 χ^2/NDF: 26.3/31

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -409.971+/-405.905 χ^2/NDF: 30.6/36

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

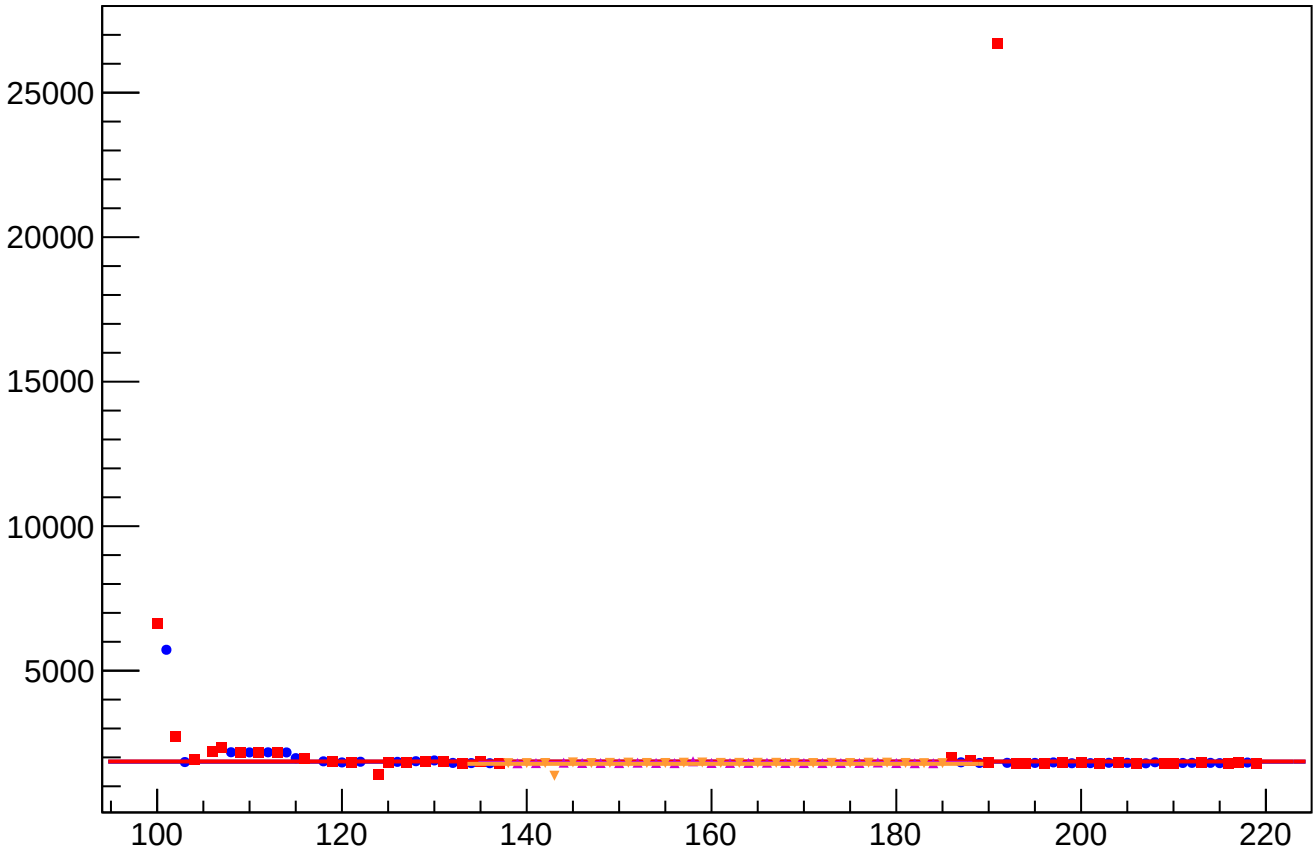
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -181.259+/-290.229 χ^2/NDF: 57.6/68

In: -137.946+/-296.240 χ^2/NDF:56.4/54

Out: -567.827+/-286.491 χ^2/NDF:53.1/61

All: -360.076+/-205.940 χ^2/NDF: 110.6/116



Right In: 1850.640+/-0.294 χ^2/NDF: 680046.8/31

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1859.478+/-0.287 χ^2/NDF: 641409.4/36

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

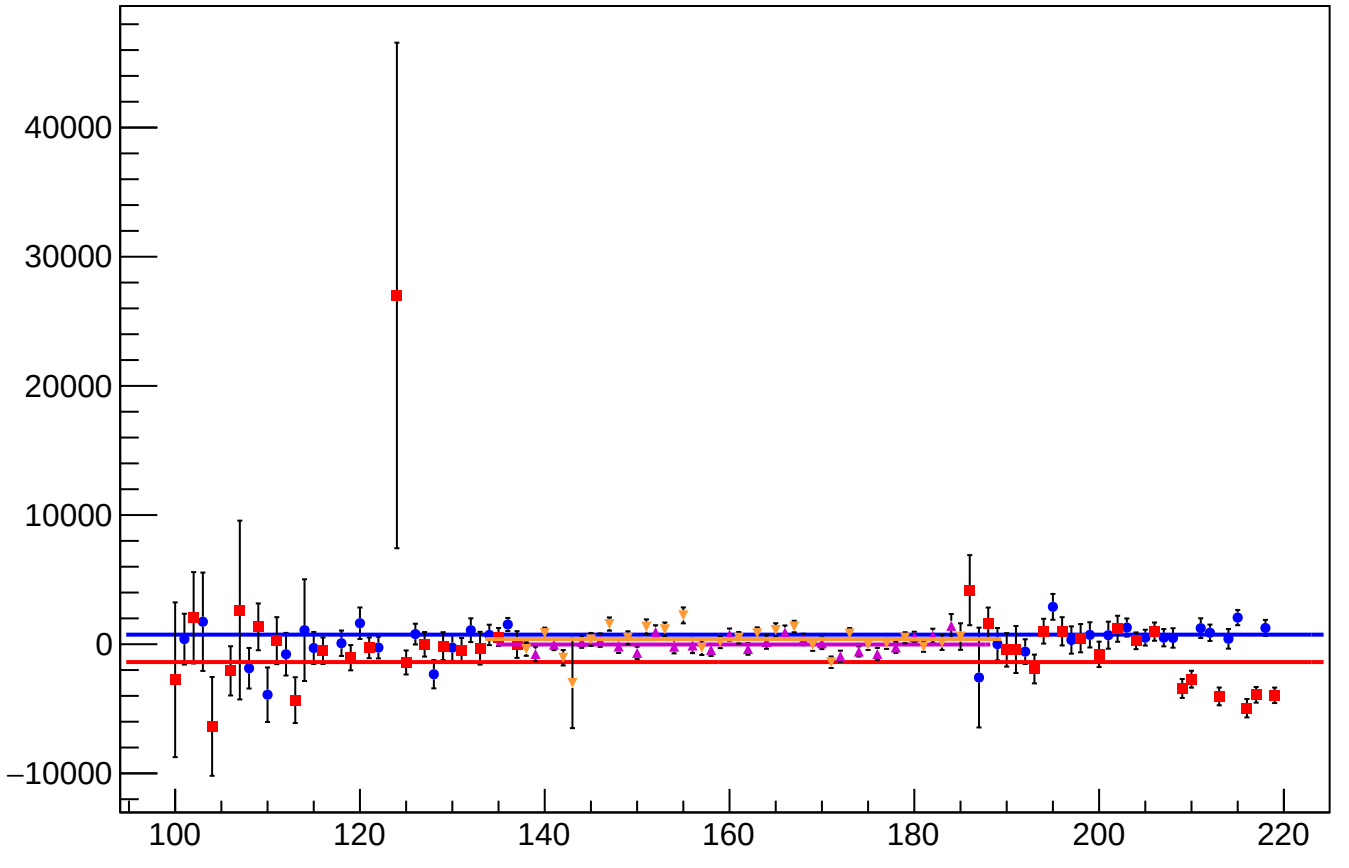
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1855.158+/-0.205 χ^2/NDF: 1321919.7/68

In: 1831.226+/-0.209 χ^2/NDF:690923.7/54

Out: 1817.948+/-0.203 χ^2/NDF:844425.2/61

All: 1824.365+/-0.146 χ^2/NDF: 1537425.1/11



Right In: 741.180+/-156.441 χ^2/NDF: 38.1/31

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -1382.341+/-161.667 χ^2/NDF: 165.6/36

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

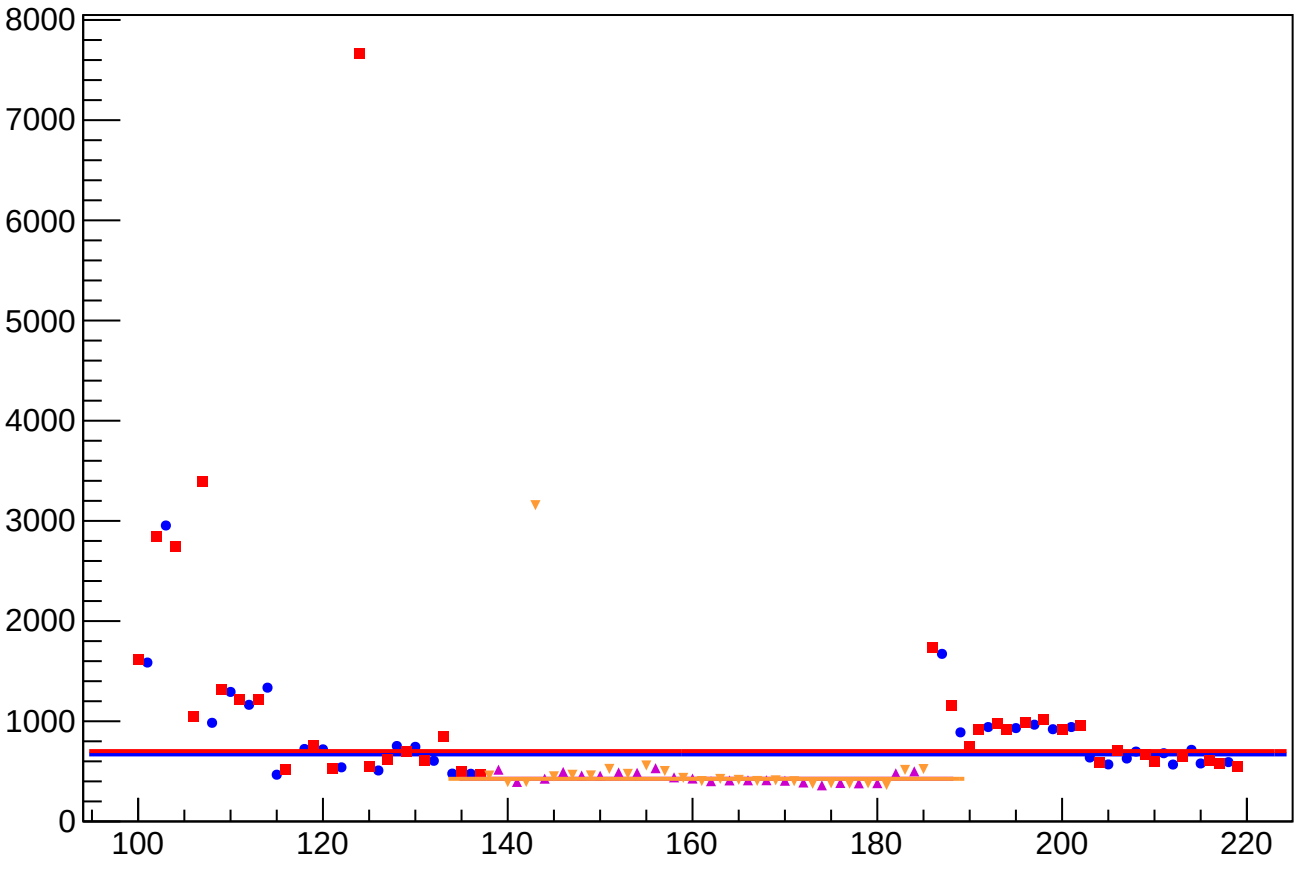
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: -285.709+/-112.423 χ^2/NDF: 292.9/68

In: 200.597+/-84.415 χ^2/NDF:85.8/54

Out: -88.526+/-84.530 χ^2/NDF:314.3/61

All: 56.232+/-59.731 χ^2/NDF: 406.0/116



Right In: 668.972+/-0.111 χ^2/NDF: 3406026.9/31

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 702.341+/-0.114 χ^2/NDF: 4796440.2/36

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

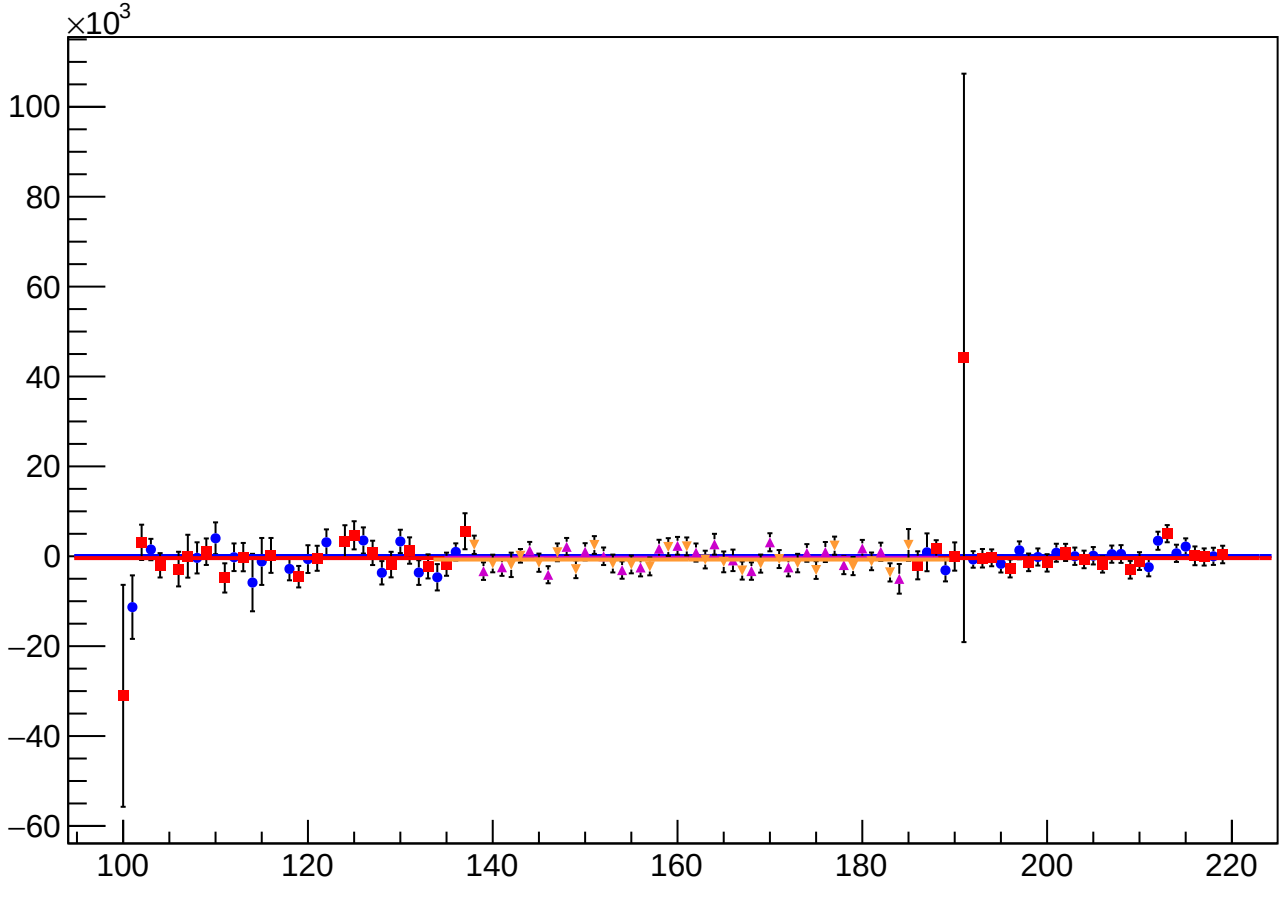
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 685.109+/-0.079 χ^2/NDF: 8246470.4/68

In: 496.846+/-0.060 χ^2/NDF:7237058.1/54

Out: 501.328+/-0.060 χ^2/NDF:10769943.0/61

All: 499.084+/-0.042 χ^2/NDF: 18009815.1/11



Right In: 57.976+/-415.141 χ^2/NDF: 26.3/31

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: -409.969+/-405.905 χ^2/NDF: 30.6/36

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

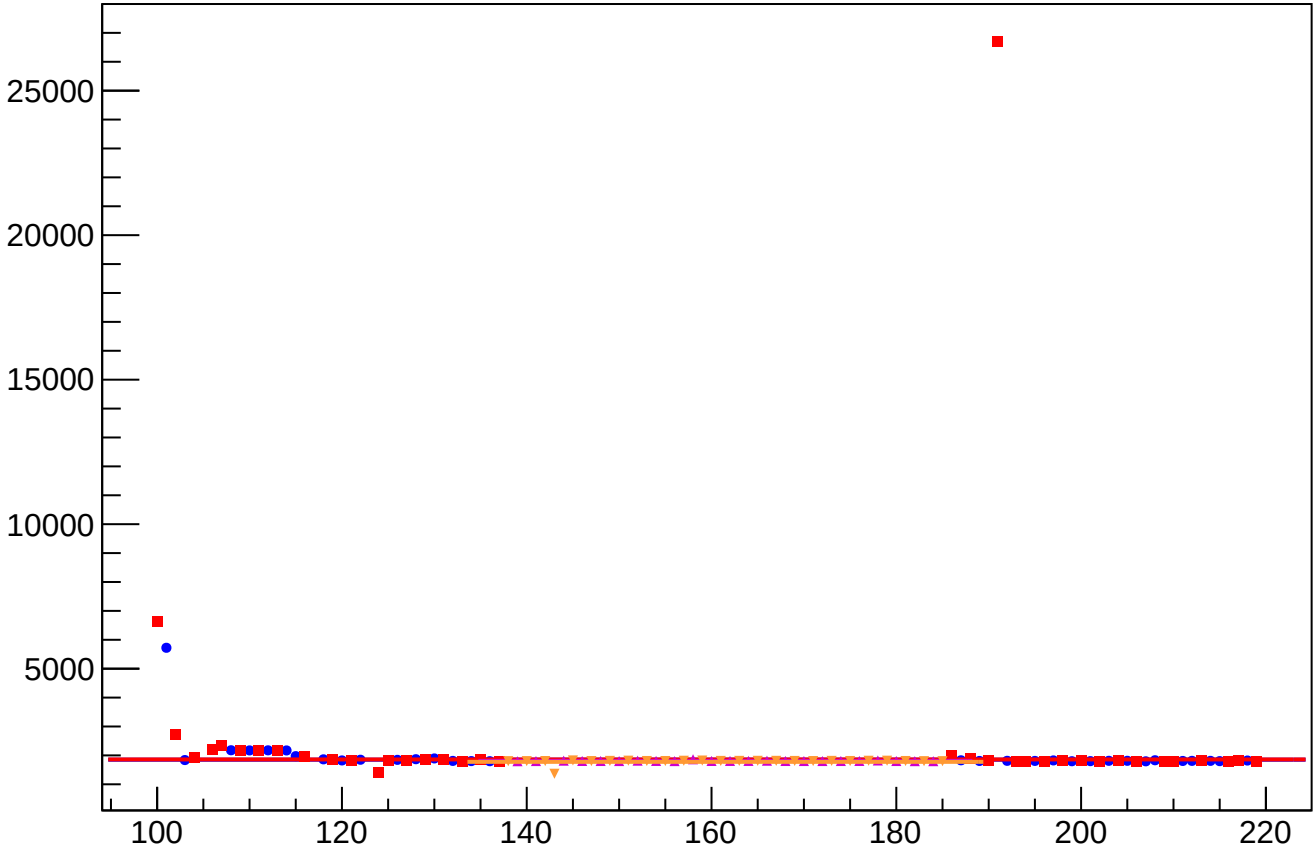
Right: -181.259+/-290.229 χ^2/NDF: 57.6/68

In: -137.947+/-296.240 χ^2/NDF:56.4/54

Out: -567.826+/-286.491 χ^2/NDF:53.1/61

All: -360.076+/-205.940 χ^2/NDF: 110.6/116

eigen_dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1850.640+/-0.294 χ^2/NDF: 680046.8/31

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1859.478+/-0.287 χ^2/NDF: 641409.2/36

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

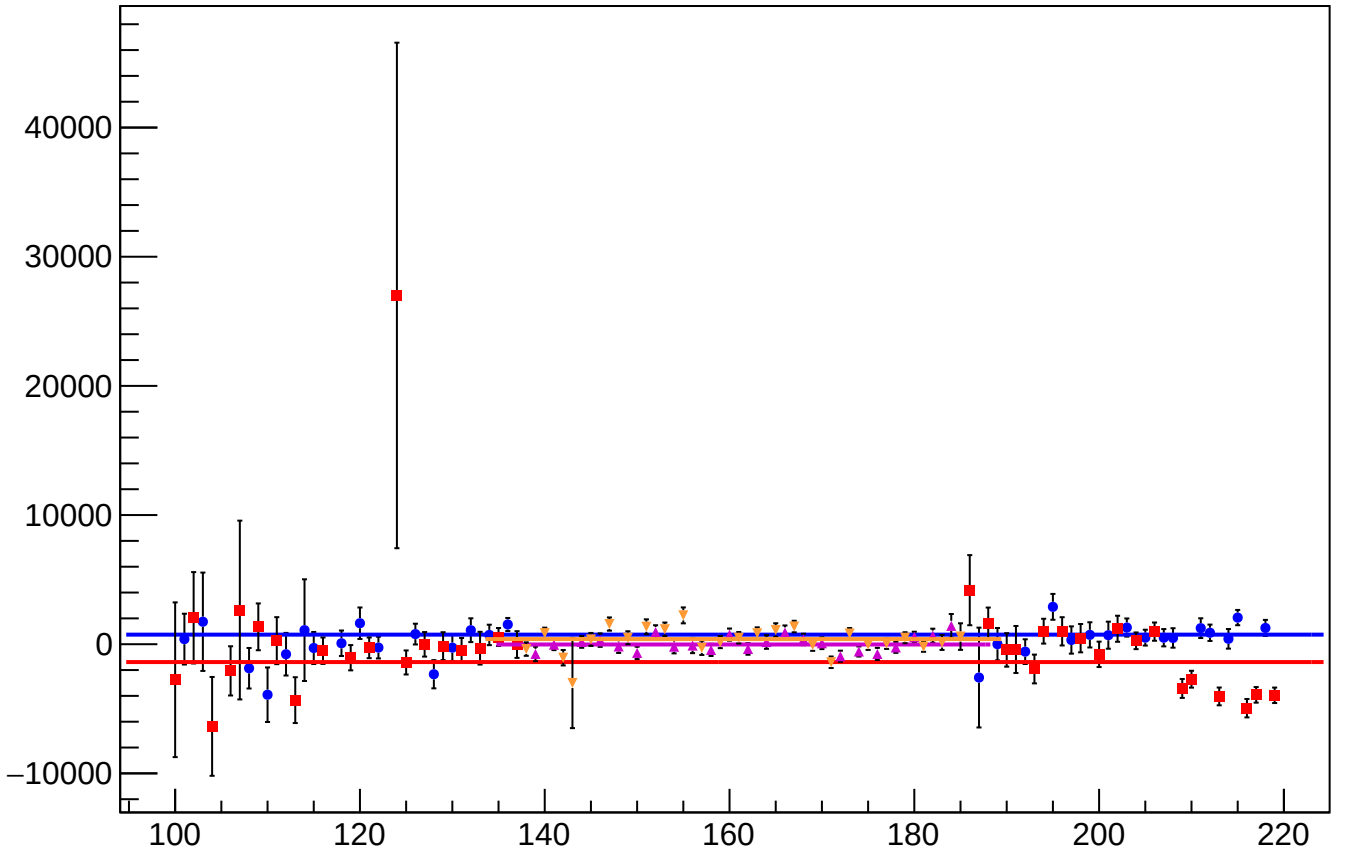
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1855.158+/-0.205 χ^2/NDF: 1321919.5/68

In: 1831.226+/-0.209 χ^2/NDF:690923.7/54

Out: 1817.948+/-0.203 χ^2/NDF:844424.9/61

All: 1824.365+/-0.146 χ^2/NDF: 1537424.8/11



Right In: 741.177+/-156.442 χ^2/NDF: 38.1/31

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -1382.337+/-161.667 χ^2/NDF: 165.6/36

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

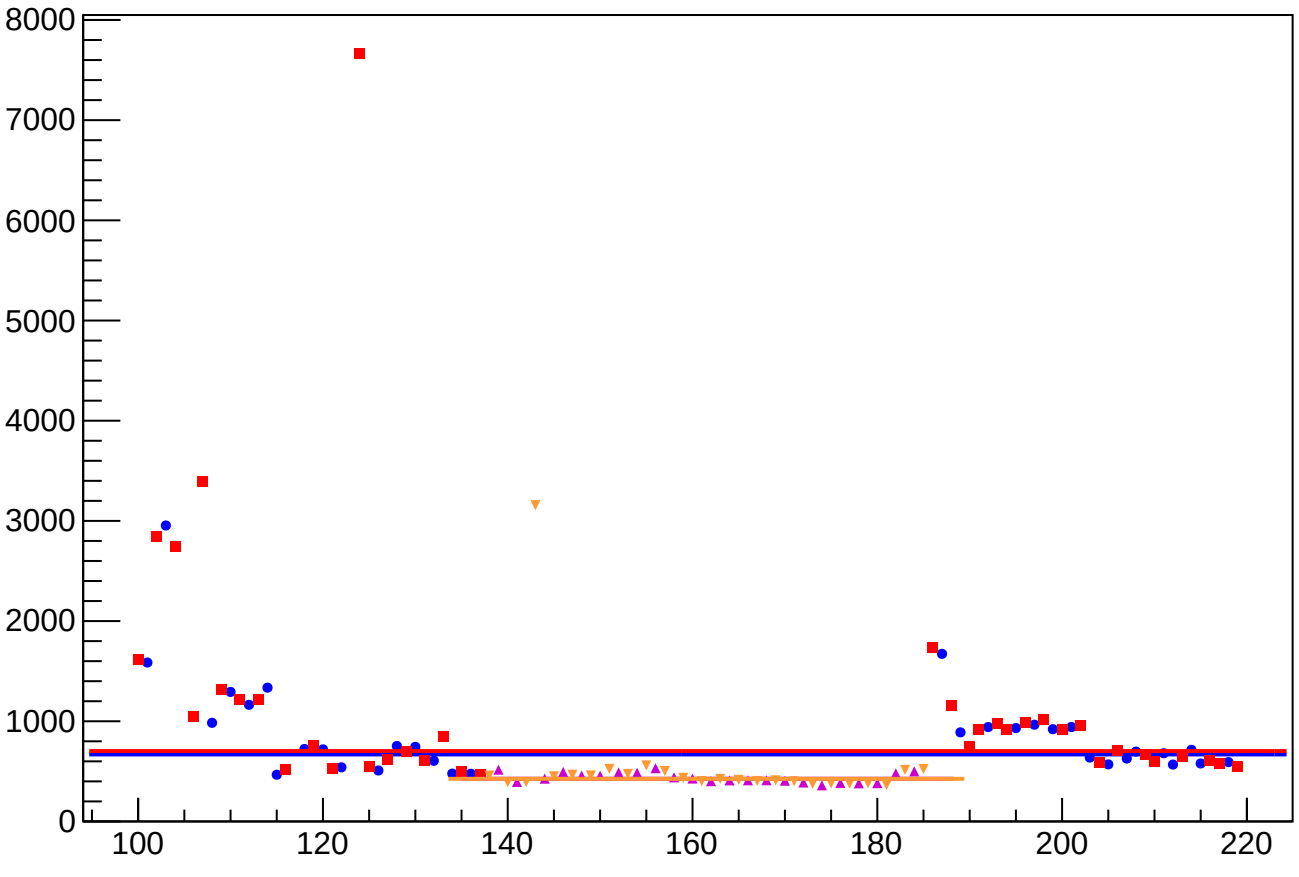
Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

Right: -285.708+/-112.423 χ^2/NDF: 292.9/68

In: 200.596+/-84.415 χ^2/NDF:85.8/54

Out: -88.524+/-84.530 χ^2/NDF:314.3/61

All: 56.232+/-59.731 χ^2/NDF: 406.0/116



Right In: 668.972+/-0.111 χ^2/NDF: 3406025.8/31

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 702.342+/-0.114 χ^2/NDF: 4796435.8/36

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

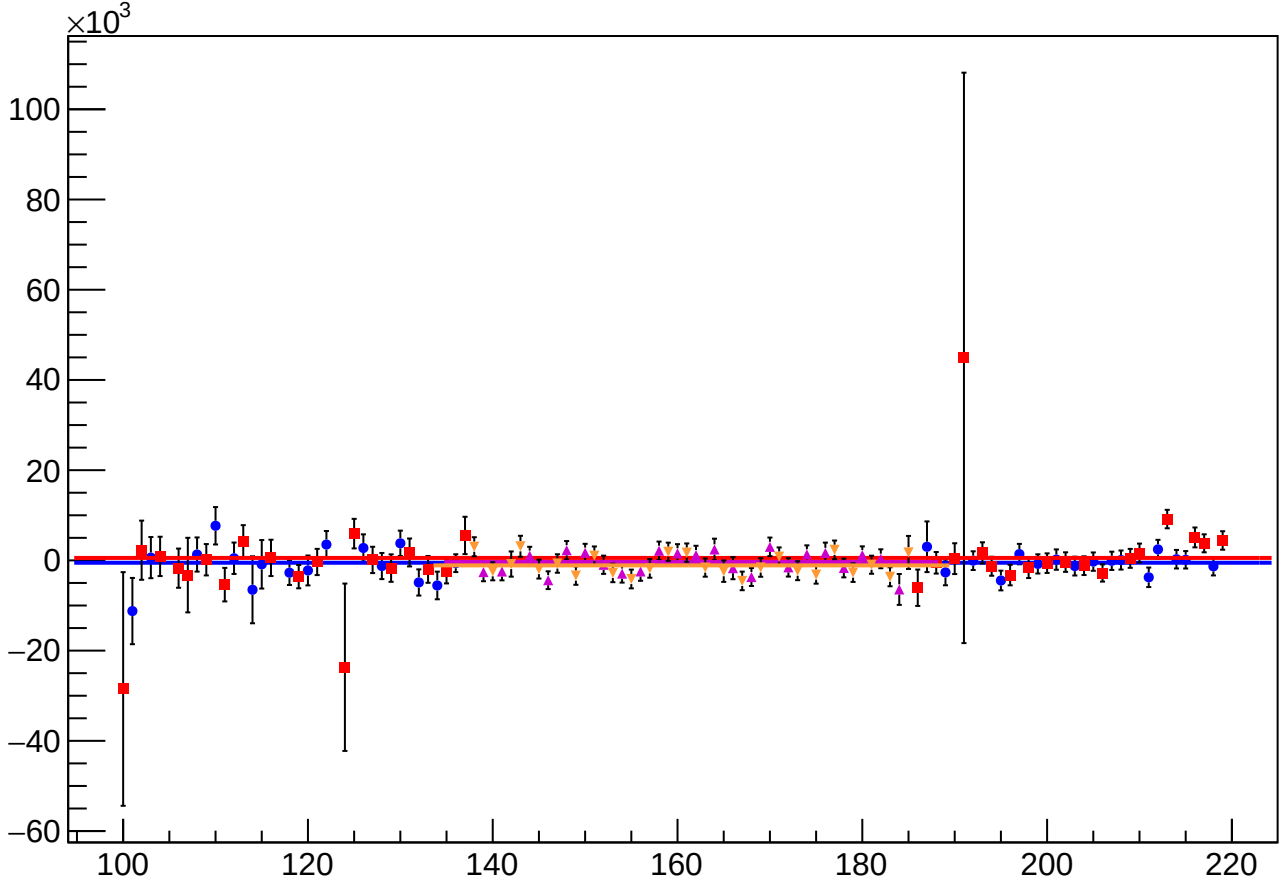
Right: 685.109+/-0.079 χ^2/NDF: 8246465.4/68

In: 496.846+/-0.060 χ^2/NDF:7237074.6/54

Out: 501.327+/-0.060 χ^2/NDF:10769963.9/61

All: 499.084+/-0.042 χ^2/NDF: 18009852.6/11

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -519.730+/-454.583 χ^2/NDF: 28.3/31

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 548.458+/-452.120 χ^2/NDF: 57.5/36

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

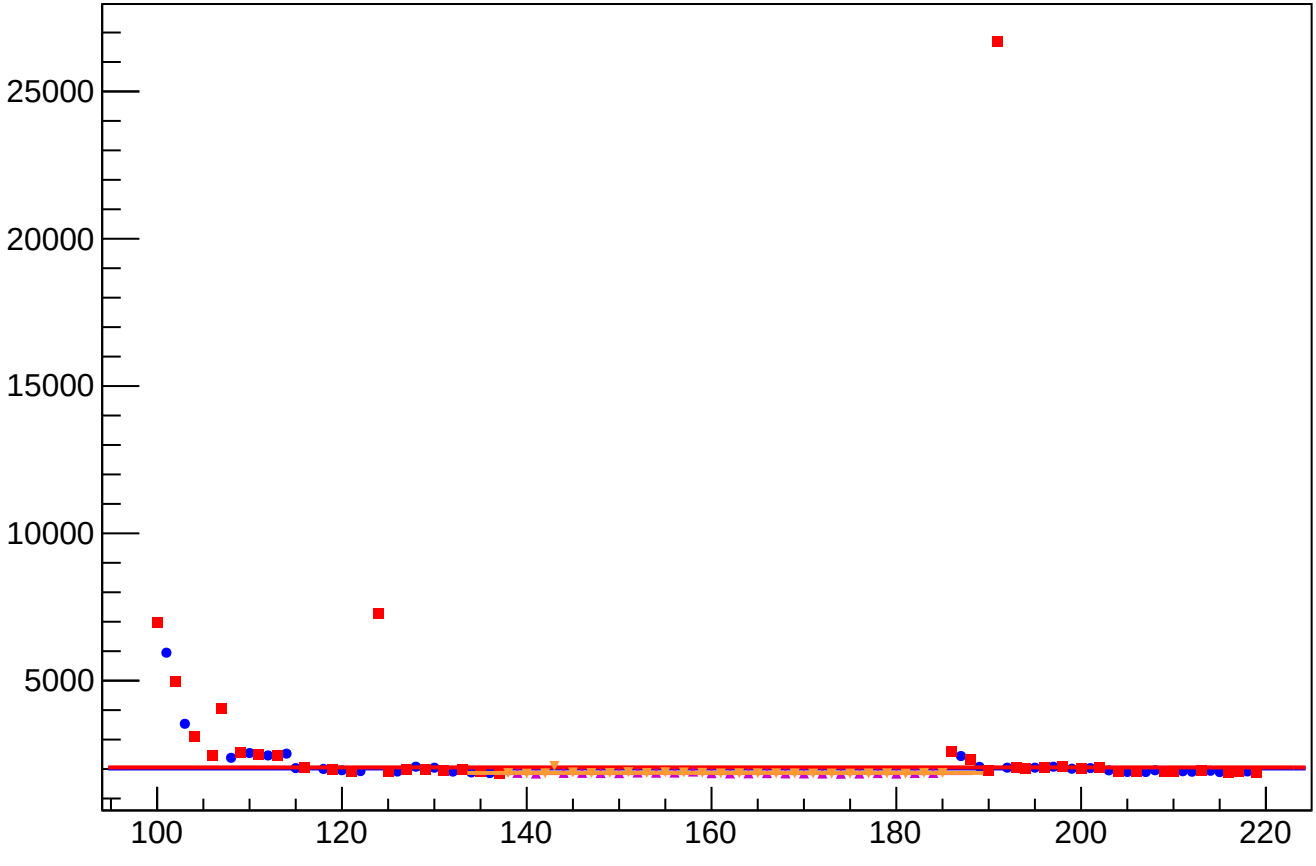
Right: 17.265+/-320.564 χ^2/NDF: 88.6/68

In: -429.521+/-314.266 χ^2/NDF:57.1/54

Out: -330.450+/-309.528 χ^2/NDF:92.6/61

All: -379.233+/-220.526 χ^2/NDF: 149.8/116

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2018.789+/-0.321 χ^2/NDF: 967133.7/31

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2055.591+/-0.320 χ^2/NDF: 1445658.9/36

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

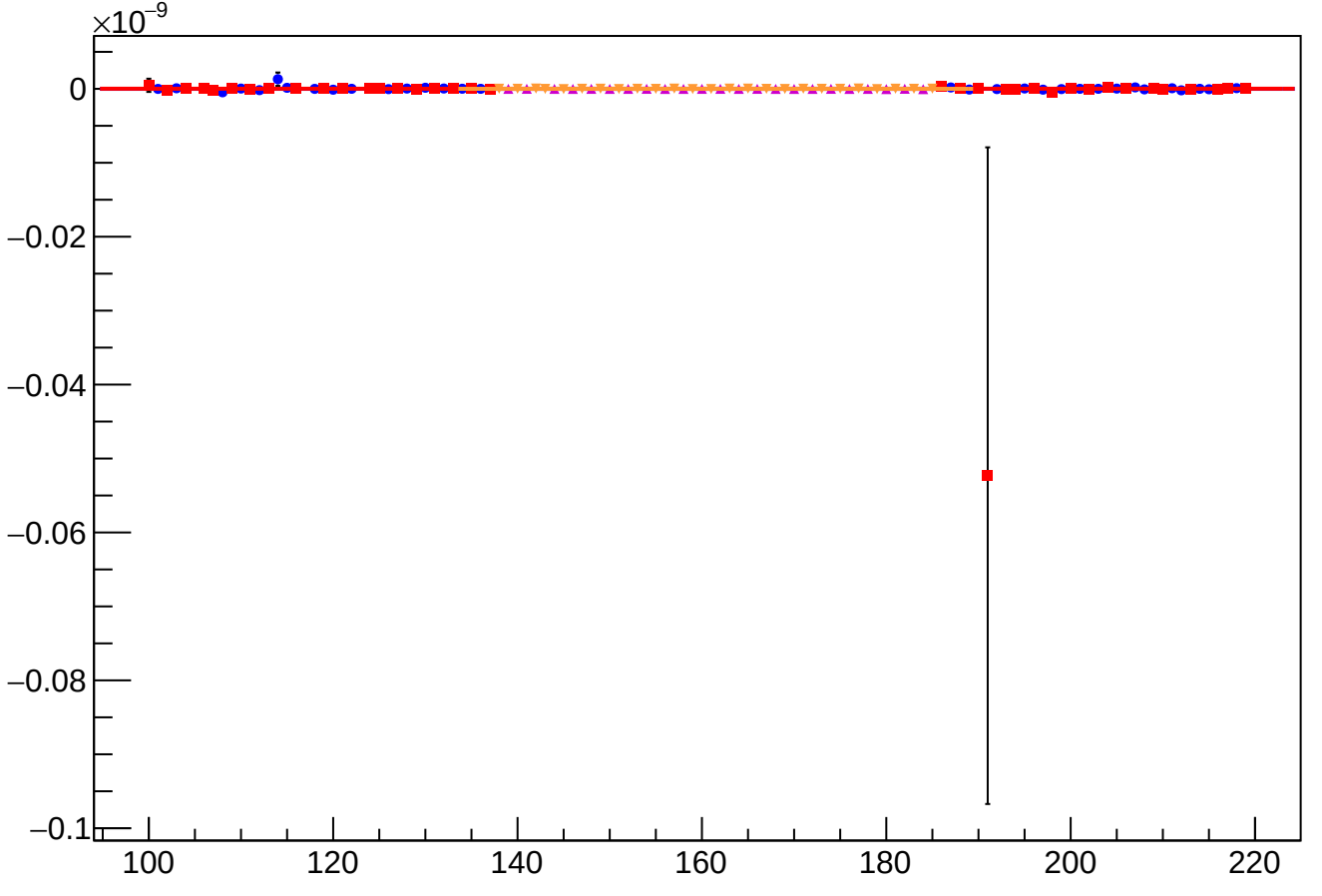
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2037.290+/-0.227 χ^2/NDF: 2419382.3/68

In: 1937.368+/-0.222 χ^2/NDF:1092750.2/54

Out: 1956.423+/-0.219 χ^2/NDF:1650074.9/61

All: 1947.040+/-0.156 χ^2/NDF: 2746557.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 38.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.5/36

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

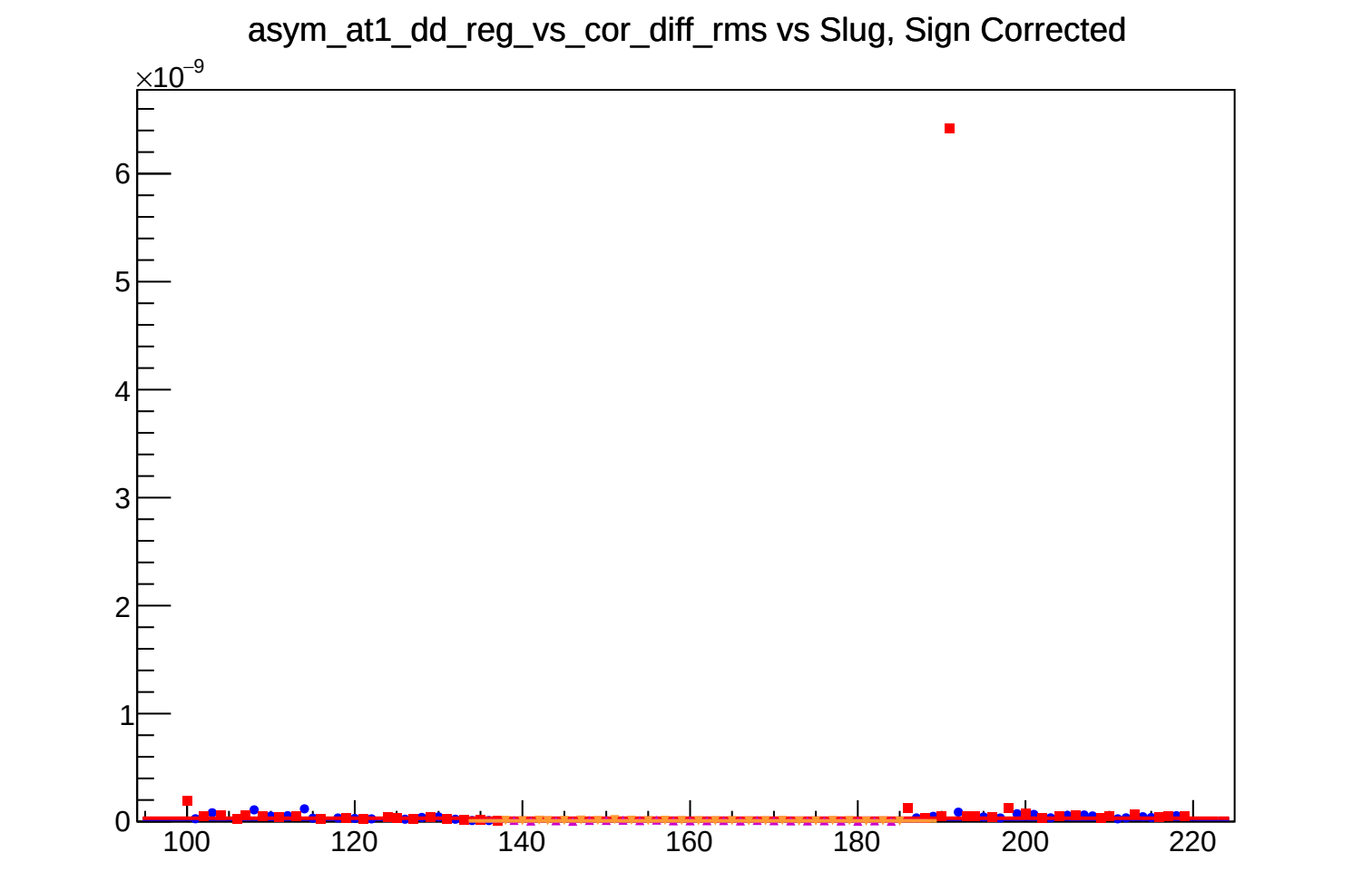
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

Right: 0.000+/-0.000 χ^2/NDF: 74.1/68

In: -0.000+/-0.000 χ^2/NDF:55.8/54

Out: 0.000+/-0.000 χ^2/NDF:78.2/61

All: -0.000+/-0.000 χ^2/NDF: 136.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 5718366.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4003895.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

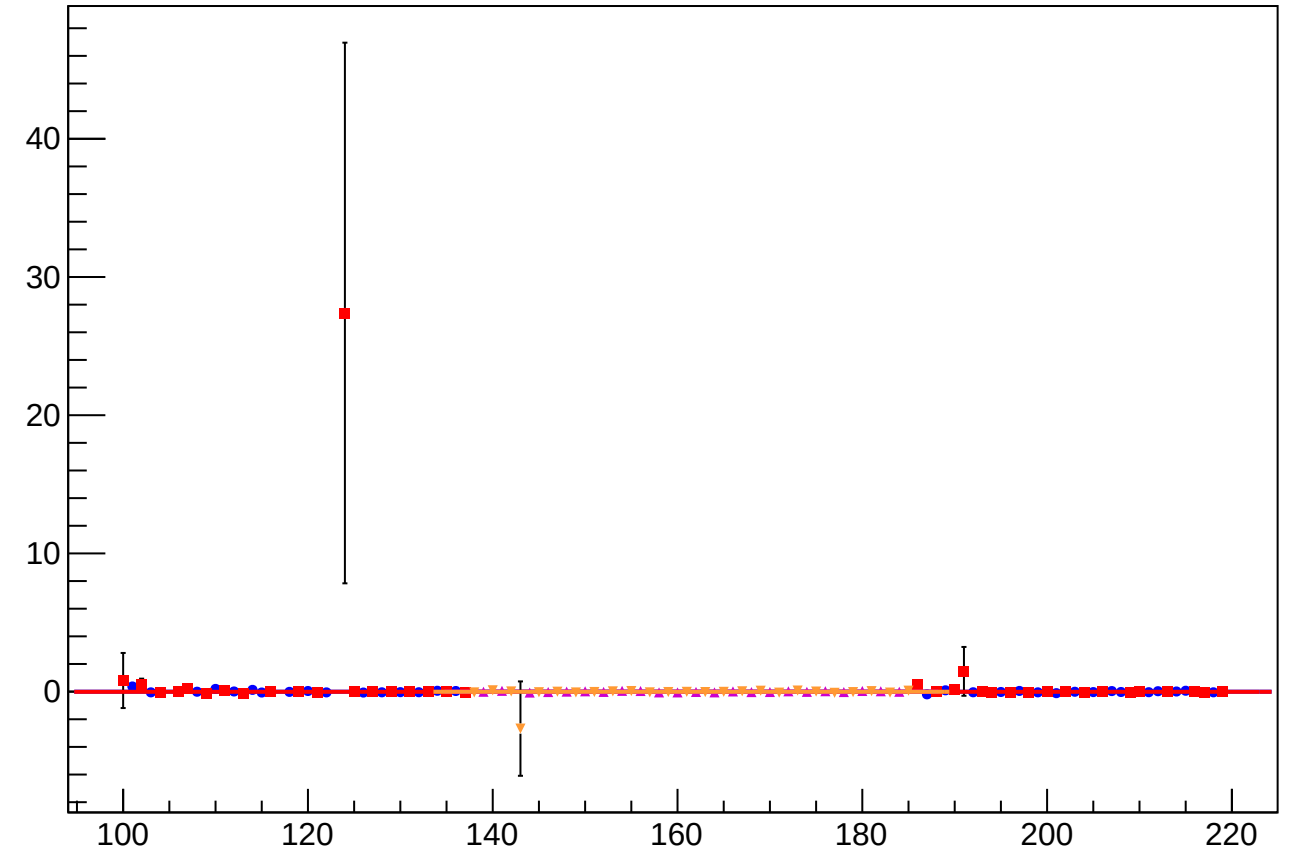
Left: 0.000+/-0.000 χ^2/NDF: 3321189.0/47

Right: 0.000+/-0.000 χ^2/NDF: 10271166.1/68

In: 0.000+/-0.000 χ^2/NDF:11462928.8/54

Out: 0.000+/-0.000 χ^2/NDF:12801430.6/61

All: 0.000+/-0.000 χ^2/NDF: 24264835.0/116



Right In: -0.004+/-0.010 χ^2/NDF: 32.6/31

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.013+/-0.010 χ^2/NDF: 30.1/36

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

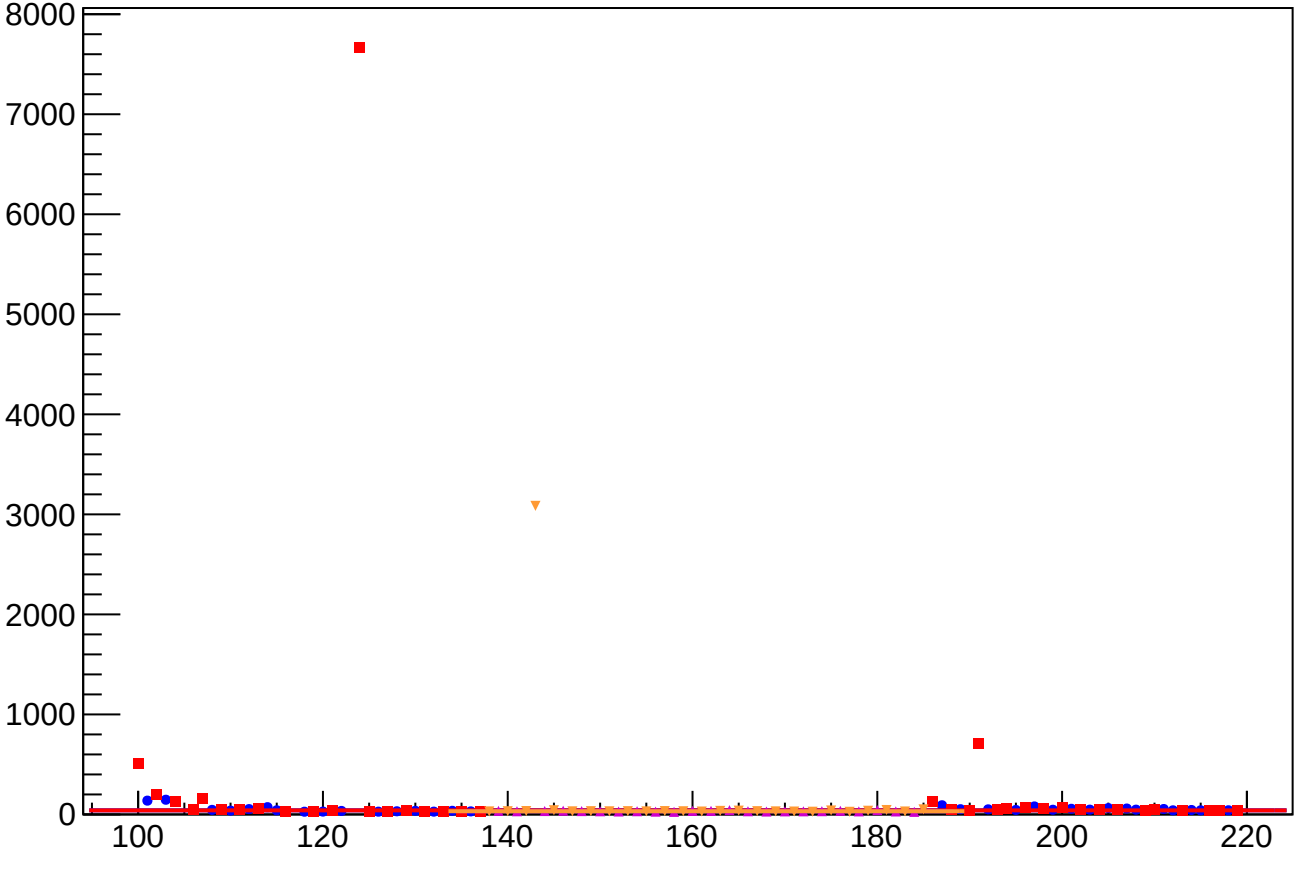
Right: -0.009+/-0.007 χ^2/NDF: 63.0/68

In: -0.004+/-0.006 χ^2/NDF:53.5/54

Out: -0.011+/-0.006 χ^2/NDF:69.7/61

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

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.375+/-0.007 χ^2/NDF: 3364064.7/31

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 40.881+/-0.007 χ^2/NDF: 4359085.3/36

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

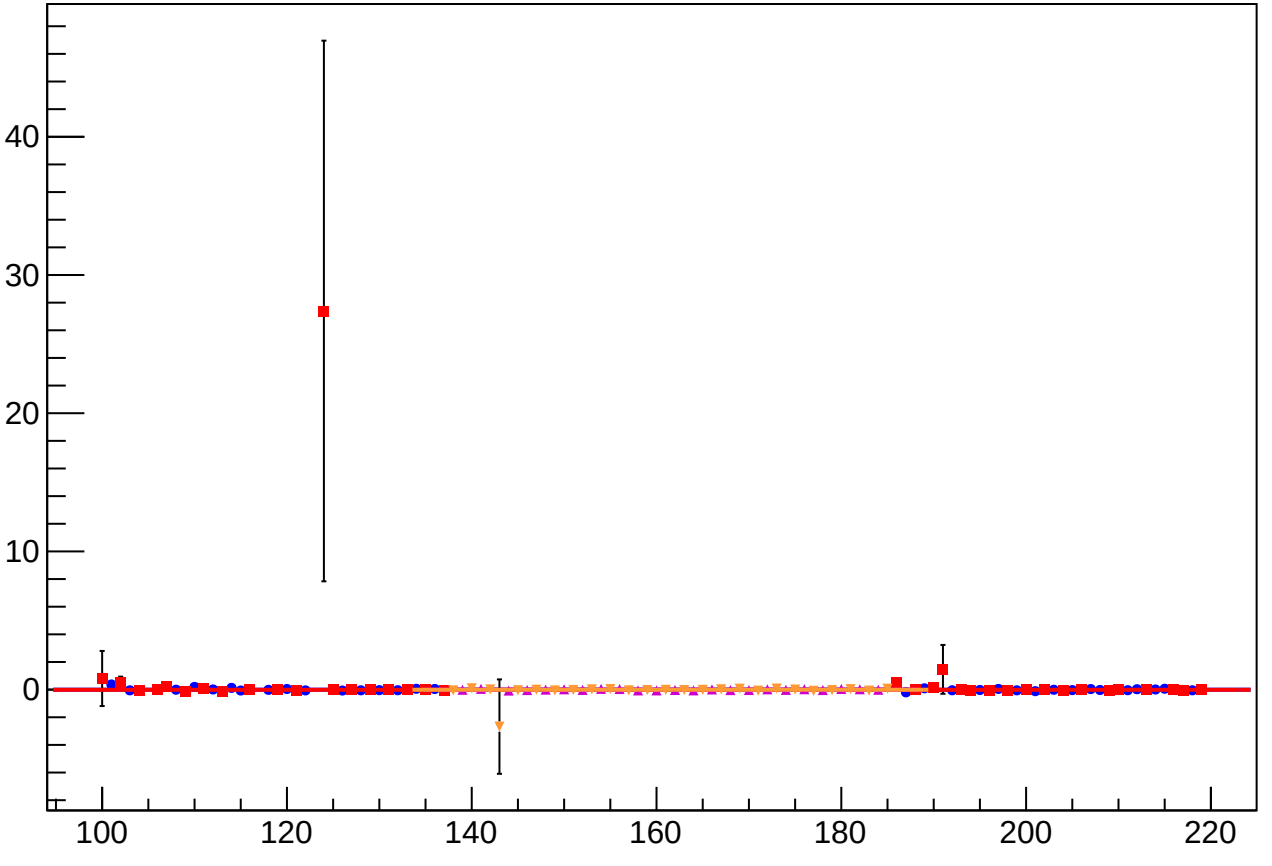
Right: 41.124+/-0.005 χ^2/NDF: 7725413.7/68

In: 35.872+/-0.005 χ^2/NDF:4689700.9/54

Out: 35.631+/-0.005 χ^2/NDF:7331618.9/61

All: 35.750+/-0.003 χ^2/NDF: 12022705.3/116

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.010 χ^2/NDF: 32.6/31

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.013+/-0.010 χ^2/NDF: 30.1/36

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

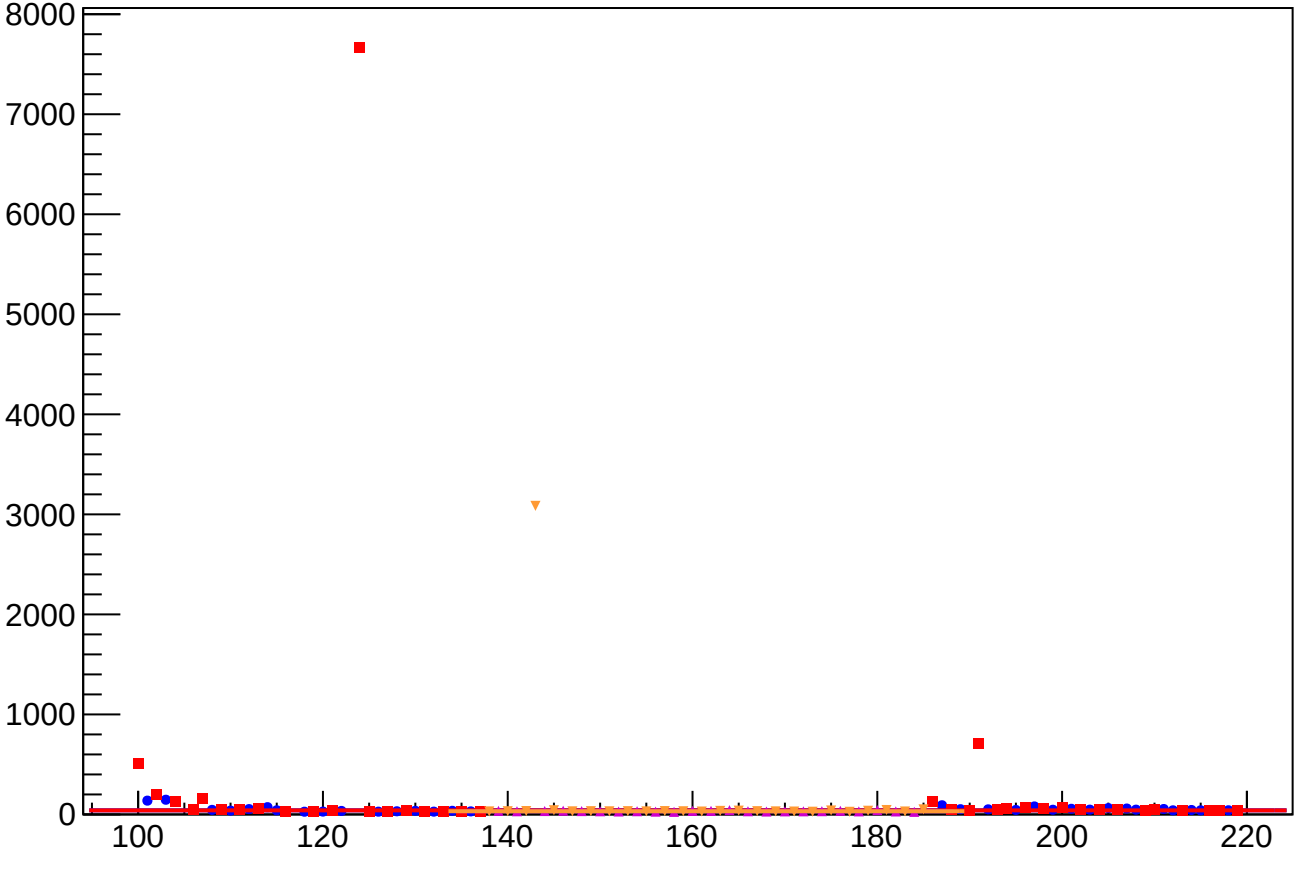
Right: -0.009+/-0.007 χ^2/NDF: 63.0/68

In: -0.004+/-0.006 χ^2/NDF:53.5/54

Out: -0.011+/-0.006 χ^2/NDF:69.7/61

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

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.375+/-0.007 χ^2/NDF: 3364064.7/31

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 40.881+/-0.007 χ^2/NDF: 4359085.3/36

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

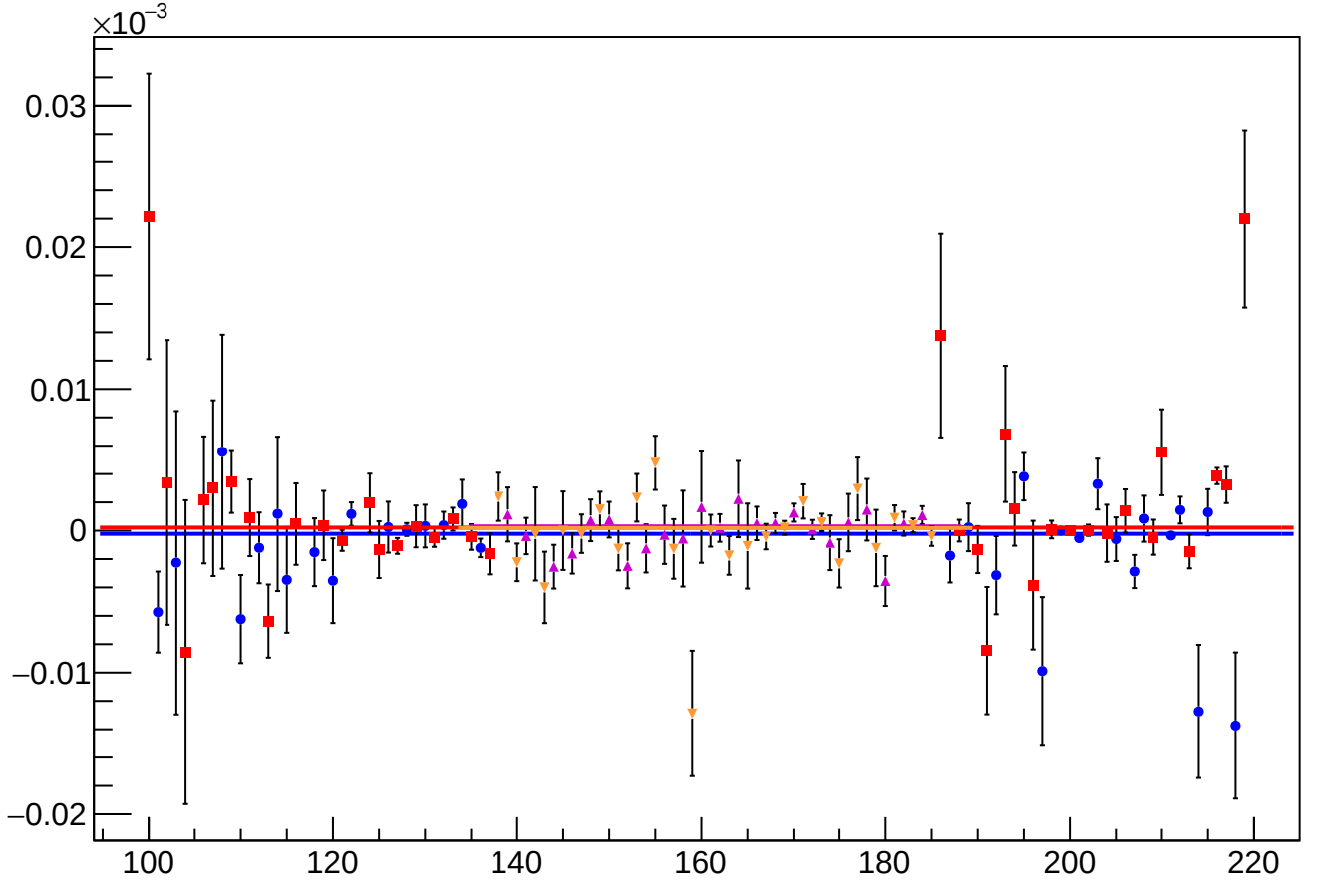
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 41.124+/-0.005 χ^2/NDF: 7725413.7/68

In: 35.872+/-0.005 χ^2/NDF:4689700.9/54

Out: 35.631+/-0.005 χ^2/NDF:7331618.9/61

All: 35.750+/-0.003 χ^2/NDF: 12022705.3/116



Right In: -0.000+/-0.000 χ^2/NDF: 58.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 102.7/36

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

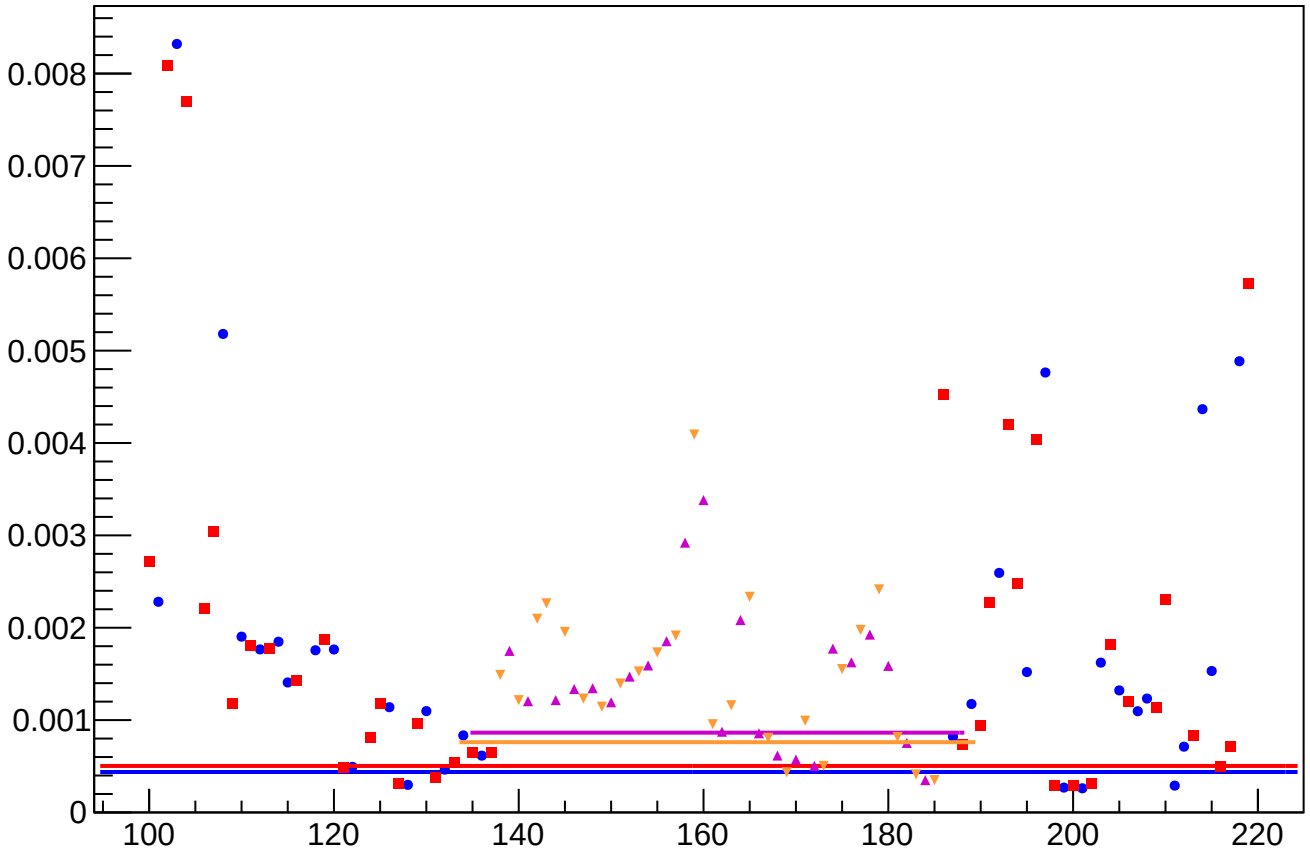
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

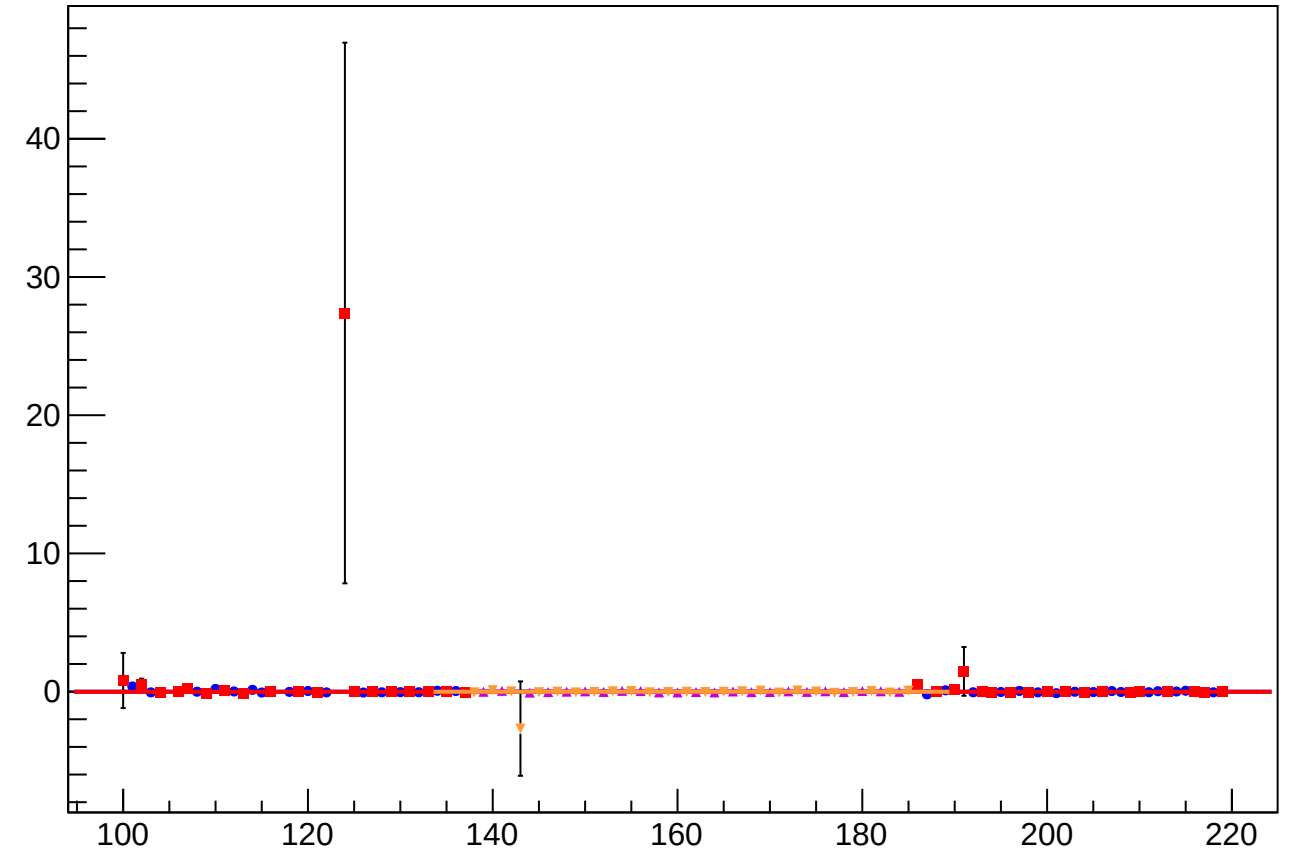
Right: -0.000+/-0.000 χ^2/NDF: 165.5/68

In: -0.000+/-0.000 χ^2/NDF:82.4/54

Out: 0.000+/-0.000 χ^2/NDF:140.2/61

All: 0.000+/-0.000 χ^2/NDF: 225.3/116


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: 18334069.0/31
Left Out: 0.001+/-0.000 χ²/NDF:11085699.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 16190110.7/36
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: 34713941.0/68
In: 0.001+/-0.000 χ²/NDF:31455001.8/54
Out: 0.001+/-0.000 χ²/NDF:29164653.5/61
All: 0.001+/-0.000 χ²/NDF: 60758466.3/116



Right In: -0.004+/-0.010 χ^2/NDF: 32.6/31

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.013+/-0.010 χ^2/NDF: 30.1/36

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

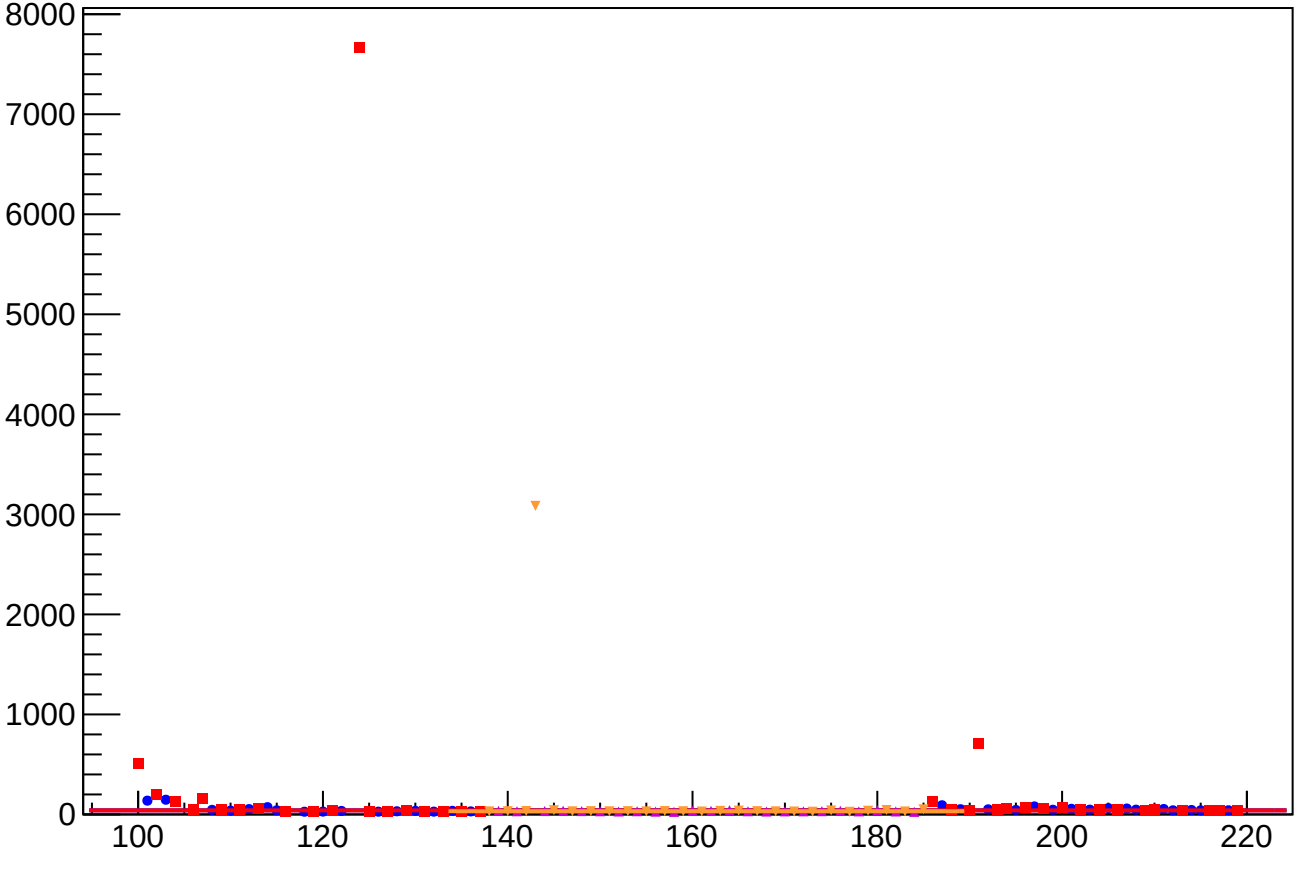
Right: -0.009+/-0.007 χ^2/NDF: 63.0/68

In: -0.004+/-0.006 χ^2/NDF:53.5/54

Out: -0.011+/-0.006 χ^2/NDF:69.7/61

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

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.375+/-0.007 χ^2/NDF: 3364058.2/31

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 40.880+/-0.007 χ^2/NDF: 4359100.5/36

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

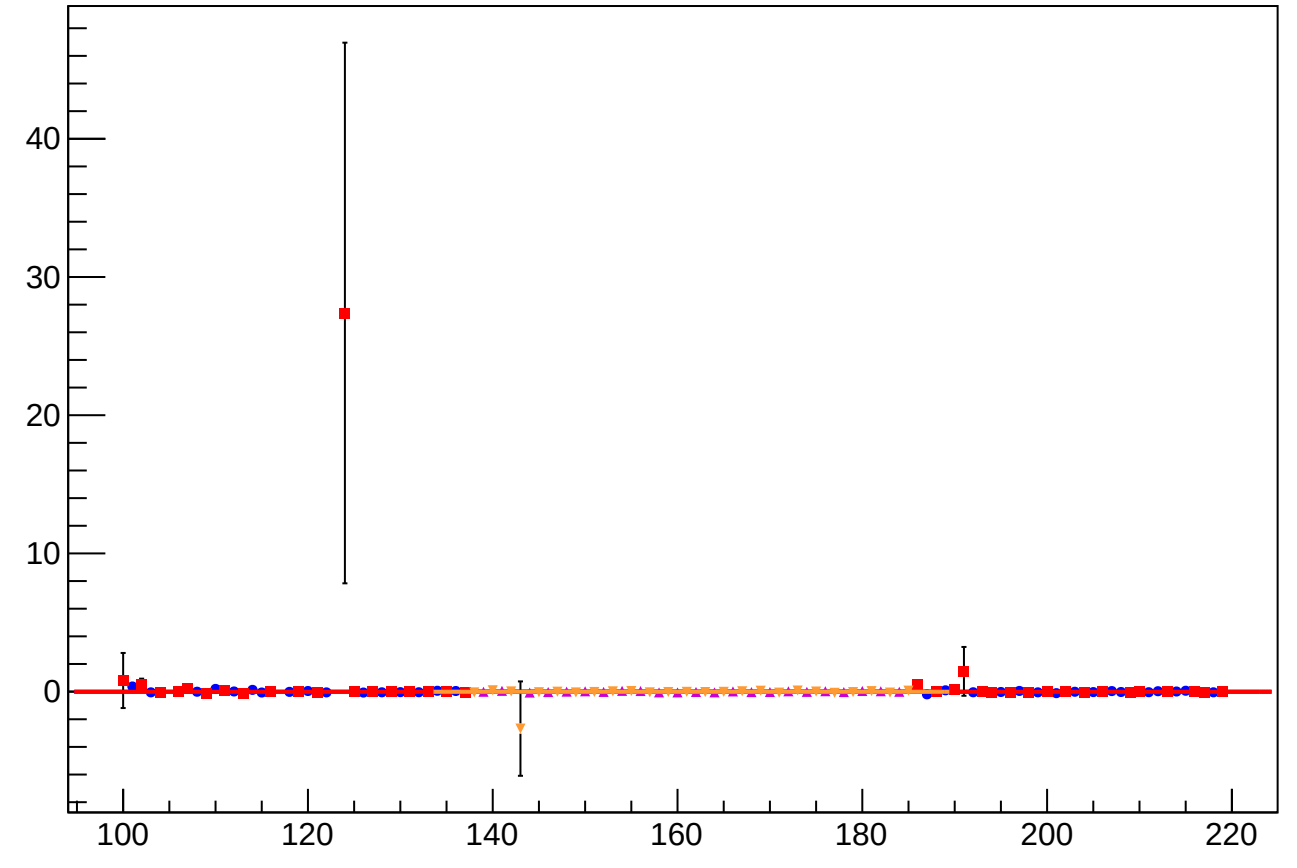
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 41.123+/-0.005 χ^2/NDF: 7725423.6/68

In: 35.872+/-0.005 χ^2/NDF:4689563.1/54

Out: 35.631+/-0.005 χ^2/NDF:7331673.1/61

All: 35.750+/-0.003 χ^2/NDF: 12022624.7/116



Right In: -0.004+/-0.010 χ^2/NDF: 32.6/31

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.013+/-0.010 χ^2/NDF: 30.1/36

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

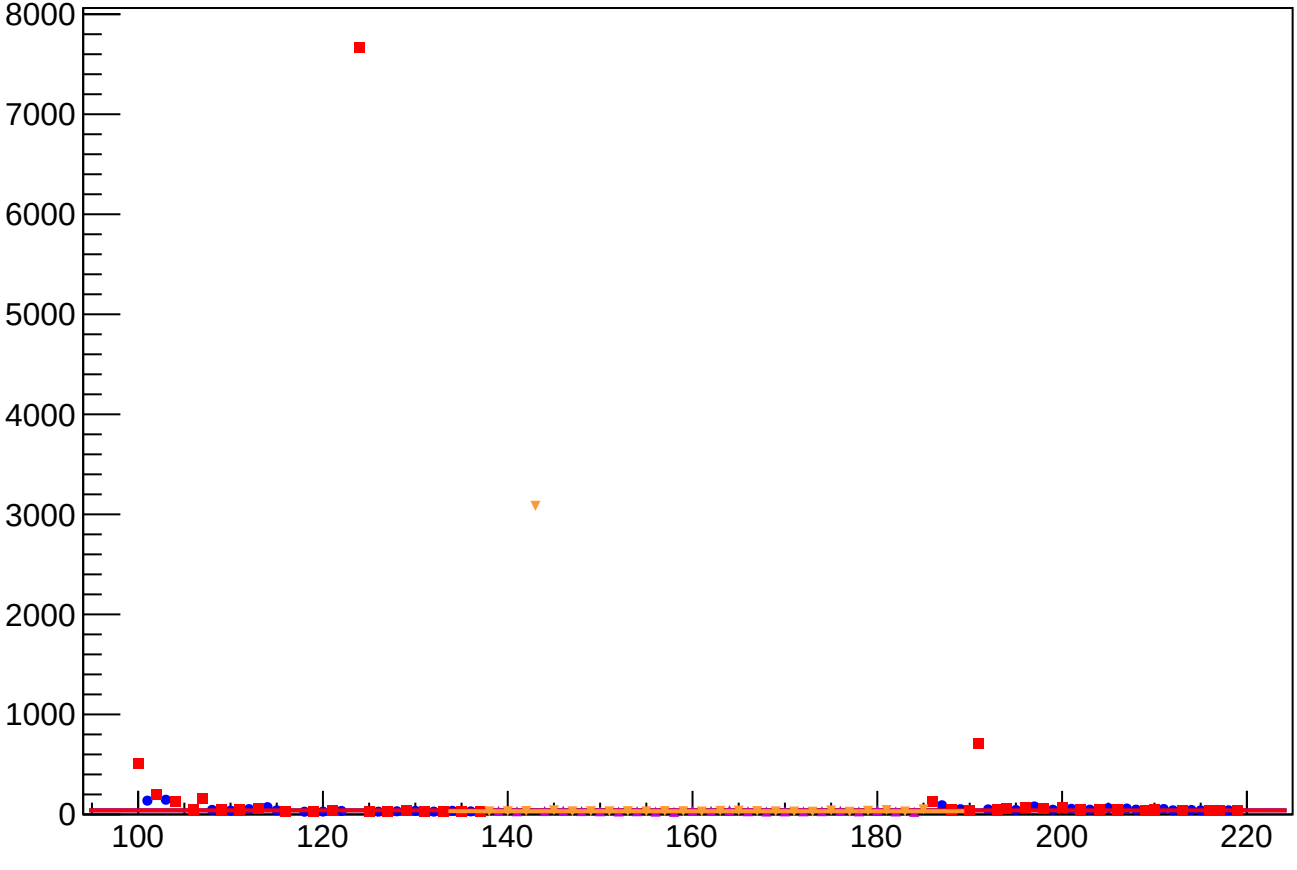
Right: -0.009+/-0.007 χ^2/NDF: 63.0/68

In: -0.004+/-0.006 χ^2/NDF:53.5/54

Out: -0.011+/-0.006 χ^2/NDF:69.7/61

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

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.375+/-0.007 χ^2/NDF: 3364058.2/31

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 40.880+/-0.007 χ^2/NDF: 4359100.5/36

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

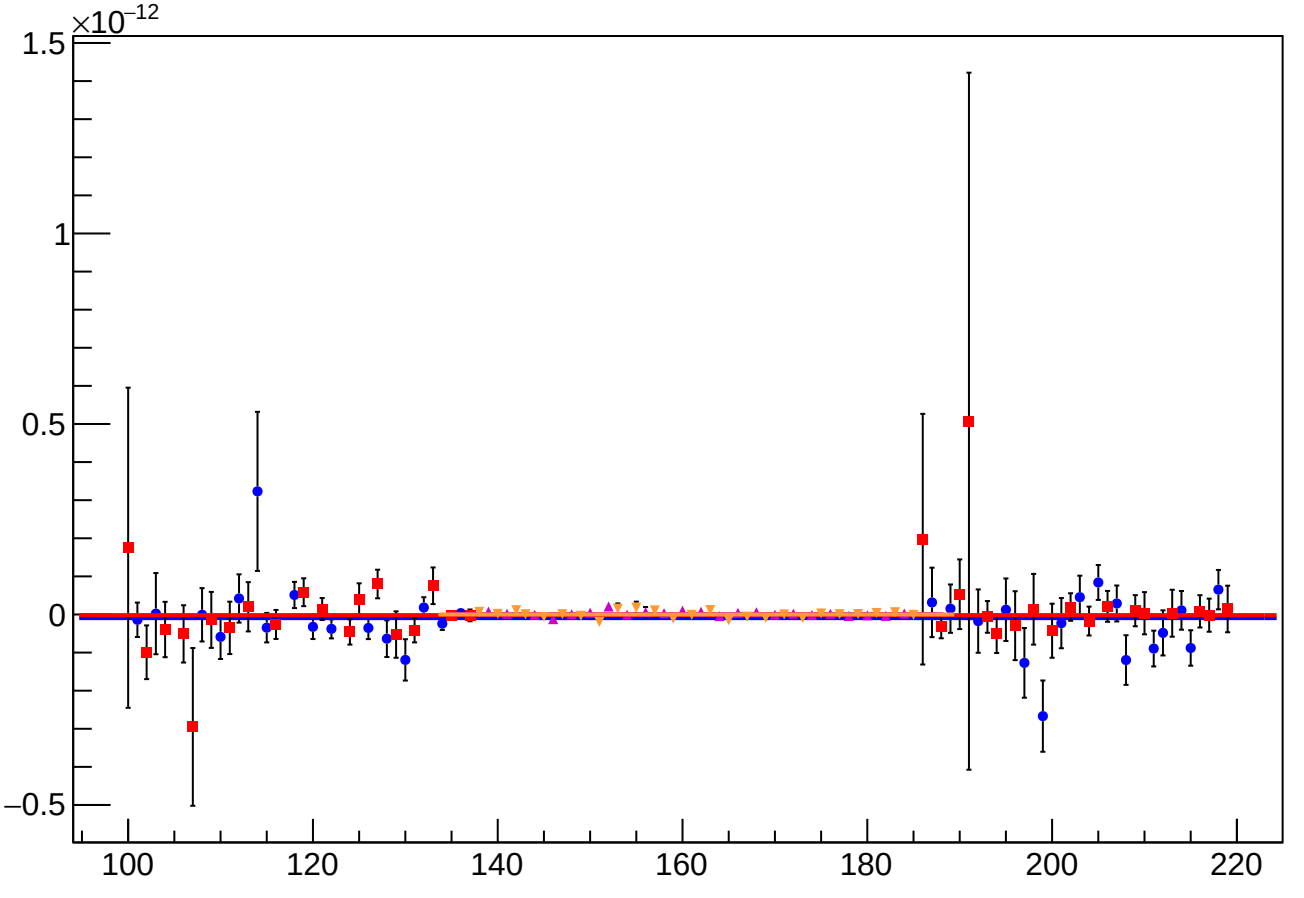
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 41.123+/-0.005 χ^2/NDF: 7725423.6/68

In: 35.872+/-0.005 χ^2/NDF:4689563.1/54

Out: 35.631+/-0.005 χ^2/NDF:7331673.1/61

All: 35.750+/-0.003 χ^2/NDF: 12022624.7/116



Right In: -0.000+/-0.000 χ^2/NDF: 46.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/36

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

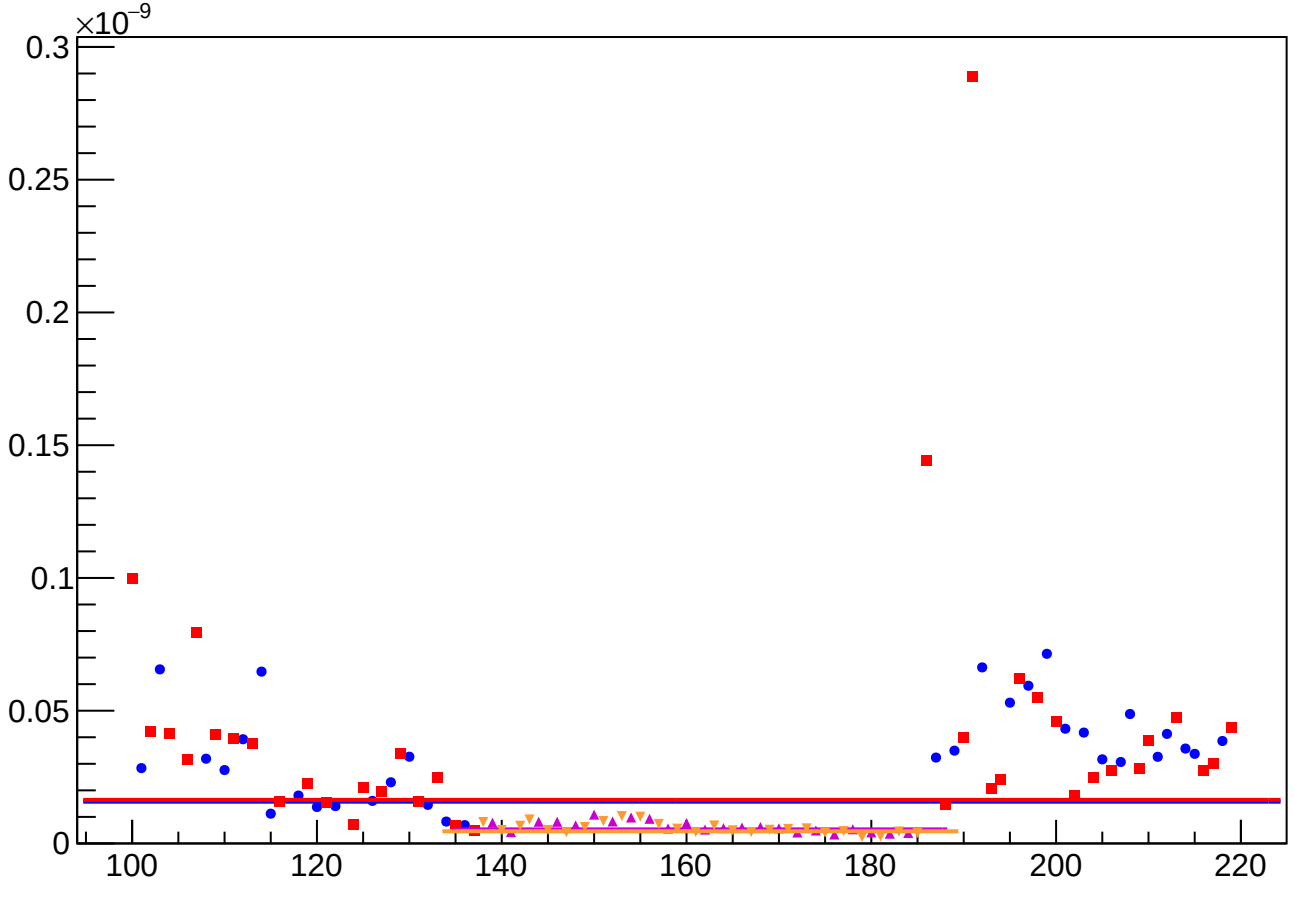
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 72.4/68

In: 0.000+/-0.000 χ^2/NDF:58.3/54

Out: -0.000+/-0.000 χ^2/NDF:46.6/61

All: 0.000+/-0.000 χ^2/NDF: 104.9/116



Right In: 0.000+/-0.000 χ^2/NDF: 9687008.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8312119.3/36

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

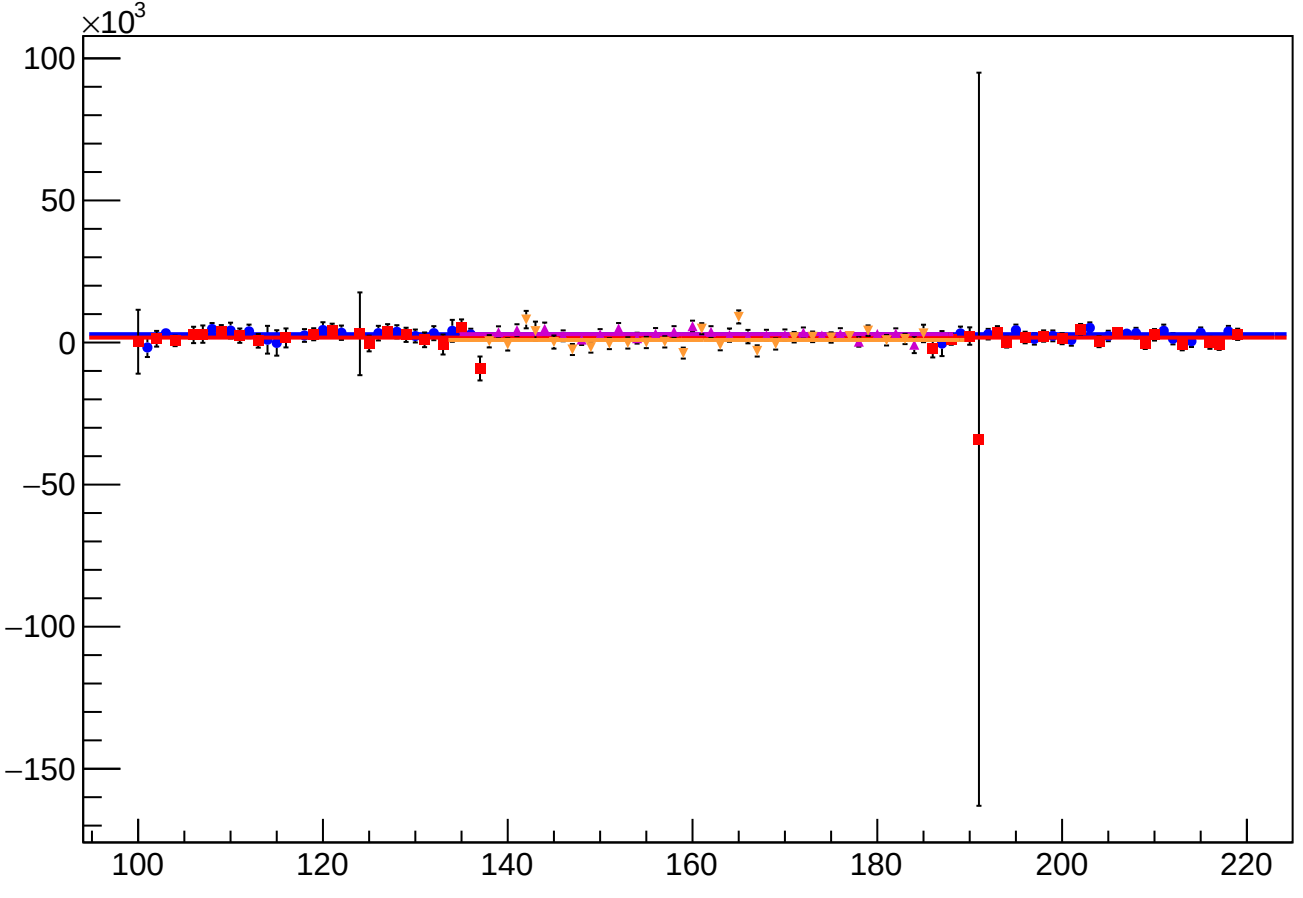
Right: 0.000+/-0.000 χ^2/NDF: 18011709.9/68

In: 0.000+/-0.000 χ^2/NDF:17789731.6/54

Out: 0.000+/-0.000 χ^2/NDF:18087985.9/61

All: 0.000+/-0.000 χ^2/NDF: 36193066.1/116

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2937.462+/-391.310 χ^2/NDF: 11.6/31

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 1732.934+/-384.645 χ^2/NDF: 27.7/36

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

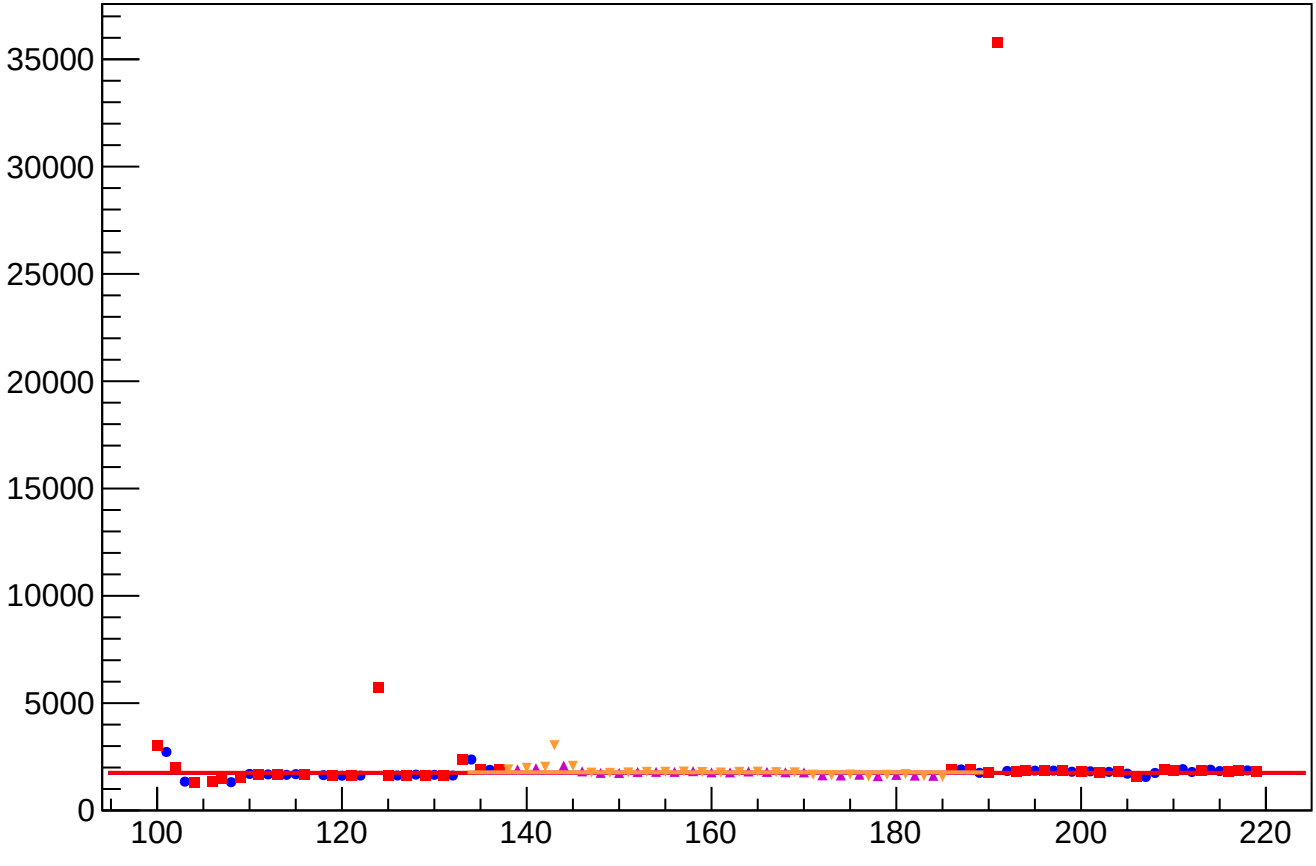
Right: 2324.852+/-274.311 χ^2/NDF: 44.1/68

In: 2940.224+/-283.753 χ^2/NDF:22.2/54

Out: 1337.967+/-279.080 χ^2/NDF:75.2/61

All: 2125.792+/-198.971 χ^2/NDF: 113.5/116

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1745.696+/-0.277 χ^2/NDF: 540427.1/31

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1753.250+/-0.272 χ^2/NDF: 737681.2/36

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

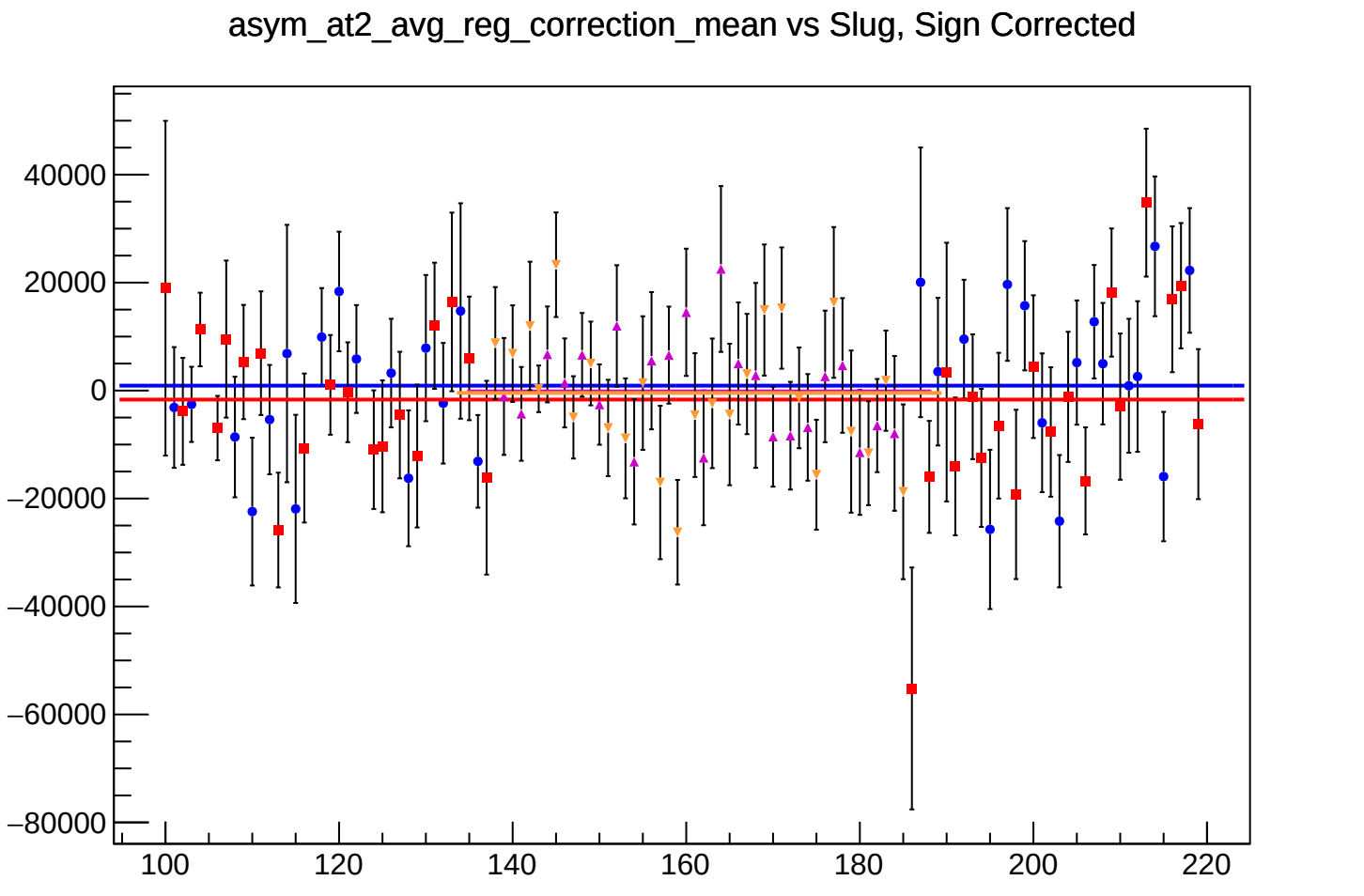
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

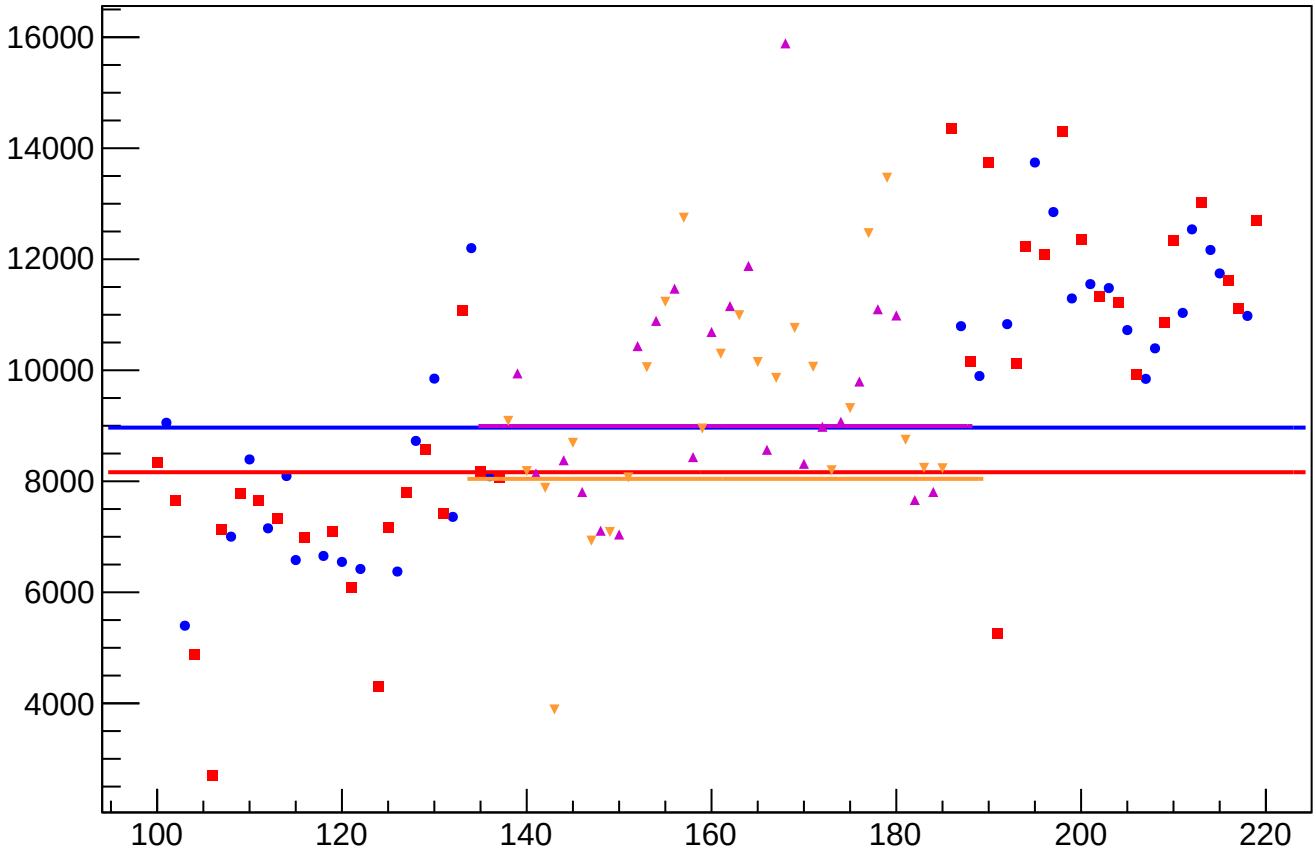
Right: 1749.538+/-0.194 χ^2/NDF: 1278487.4/68

In: 1752.995+/-0.201 χ^2/NDF:688161.1/54

Out: 1763.423+/-0.197 χ^2/NDF:1187530.8/61

All: 1758.295+/-0.141 χ^2/NDF: 1877064.8/11


asym_at2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: 909.375+/-2067.671 χ²/NDF: 38.5/31
Left Out: -443.346+/-1925.604 χ²/NDF:29.5/24
Right Out: -1667.094+/-1898.852 χ²/NDF: 46.4/36
Left In: -155.268+/-2143.489 χ²/NDF:13.8/22
Left: -314.688+/-1432.465 χ²/NDF: 43.3/47
Right: -488.318+/-1398.571 χ²/NDF: 85.7/68
In: 396.215+/-1488.146 χ²/NDF:52.4/54
Out: -1063.780+/-1352.050 χ²/NDF:76.1/61
All: -403.582+/-1000.707 χ²/NDF: 129.0/116



Right In: 8967.011+/-1.462 χ^2/NDF: 2555270.9/31

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 8163.324+/-1.343 χ^2/NDF: 5371081.0/36

Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

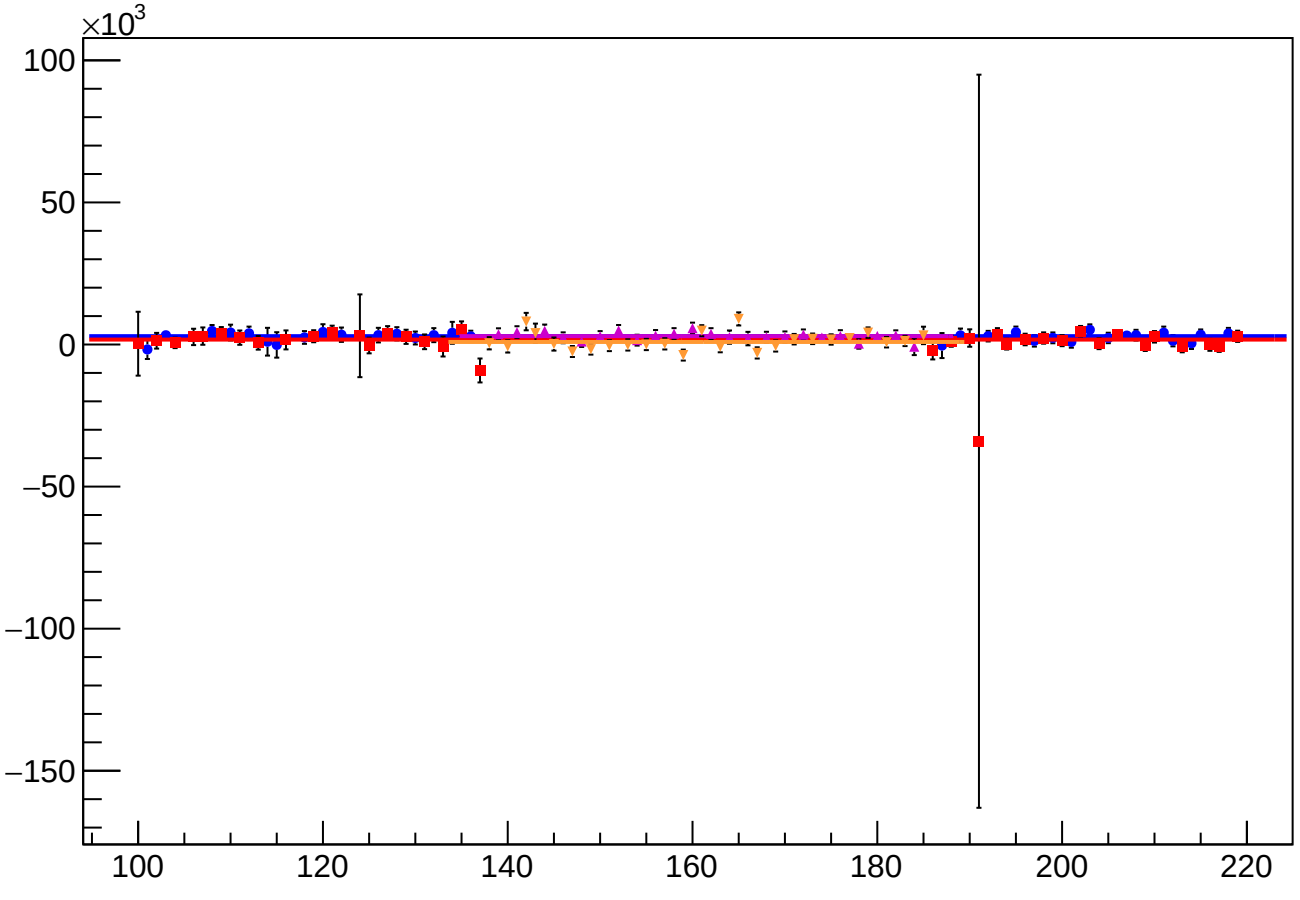
Left: 8468.911+/-1.013 χ^2/NDF: 4788197.5/47

Right: 8531.023+/-0.989 χ^2/NDF: 8090270.7/68

In: 8980.803+/-1.052 χ^2/NDF:3762589.0/54

Out: 8104.415+/-0.956 χ^2/NDF:8737824.1/61

All: 8500.710+/-0.708 χ^2/NDF: 12880393.4/1



Right In: 2937.497+/-391.310 χ^2/NDF: 11.6/31

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1732.907+/-384.645 χ^2/NDF: 27.7/36

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

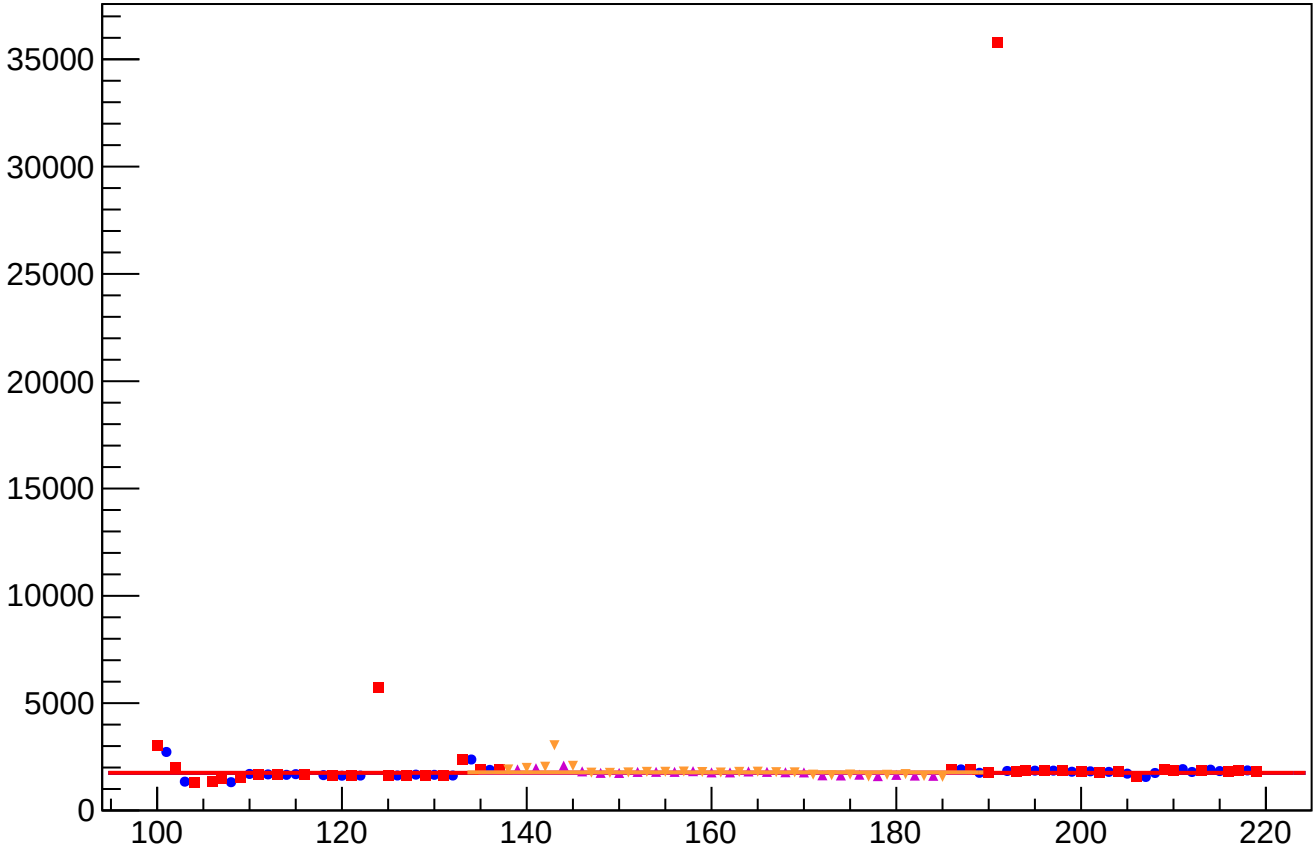
Right: 2324.855+/-274.311 χ^2/NDF: 44.1/68

In: 2940.188+/-283.753 χ^2/NDF:22.2/54

Out: 1337.915+/-279.080 χ^2/NDF:75.2/61

All: 2125.748+/-198.971 χ^2/NDF: 113.6/116

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1745.696+/-0.277 χ^2/NDF: 540427.6/31

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1753.250+/-0.272 χ^2/NDF: 737681.5/36

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

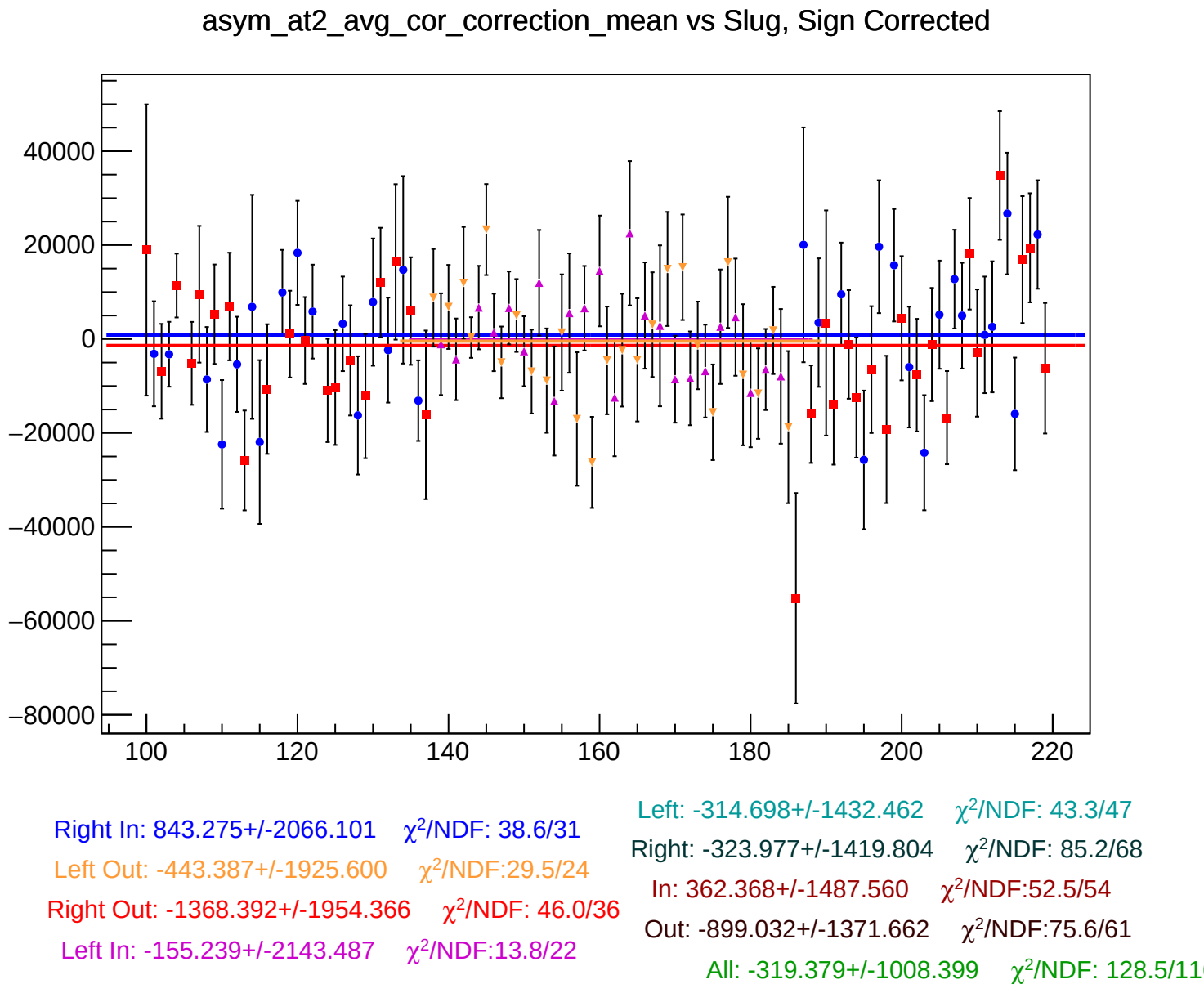
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

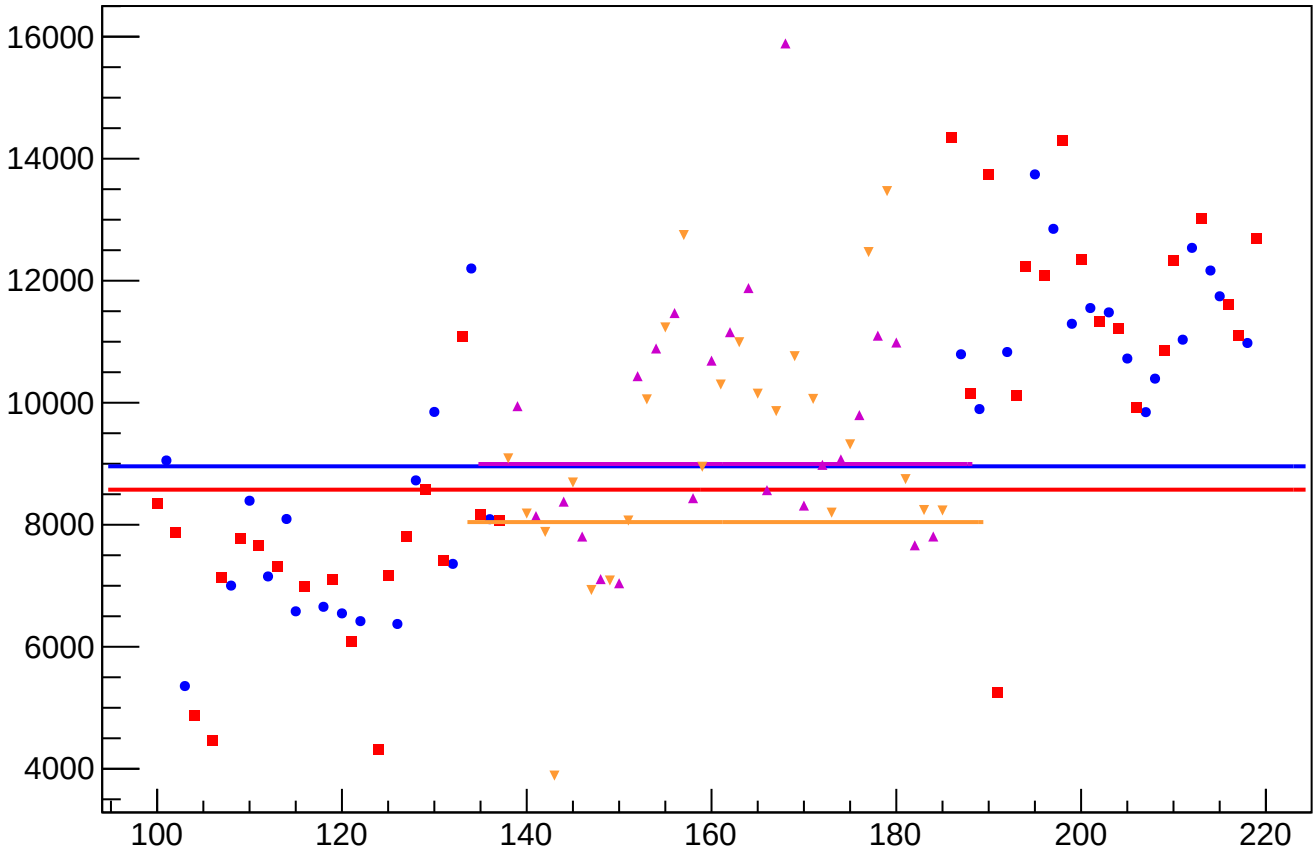
Right: 1749.538+/-0.194 χ^2/NDF: 1278488.1/68

In: 1752.995+/-0.201 χ^2/NDF:688161.5/54

Out: 1763.423+/-0.197 χ^2/NDF:1187531.0/61

All: 1758.295+/-0.141 χ^2/NDF: 1877065.5/11


asym_at2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: 843.275+/-2066.101 χ²/NDF: 38.6/31
Left Out: -443.387+/-1925.600 χ²/NDF:29.5/24
Right Out: -1368.392+/-1954.366 χ²/NDF: 46.0/36
Left In: -155.239+/-2143.487 χ²/NDF:13.8/22
Left: -314.698+/-1432.462 χ²/NDF: 43.3/47
Right: -323.977+/-1419.804 χ²/NDF: 85.2/68
In: 362.368+/-1487.560 χ²/NDF:52.5/54
Out: -899.032+/-1371.662 χ²/NDF:75.6/61
All: -319.379+/-1008.399 χ²/NDF: 128.5/116



Right In: 8957.796+/-1.461 χ^2/NDF: 2576991.3/31

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8575.047+/-1.382 χ^2/NDF: 3957206.5/36

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

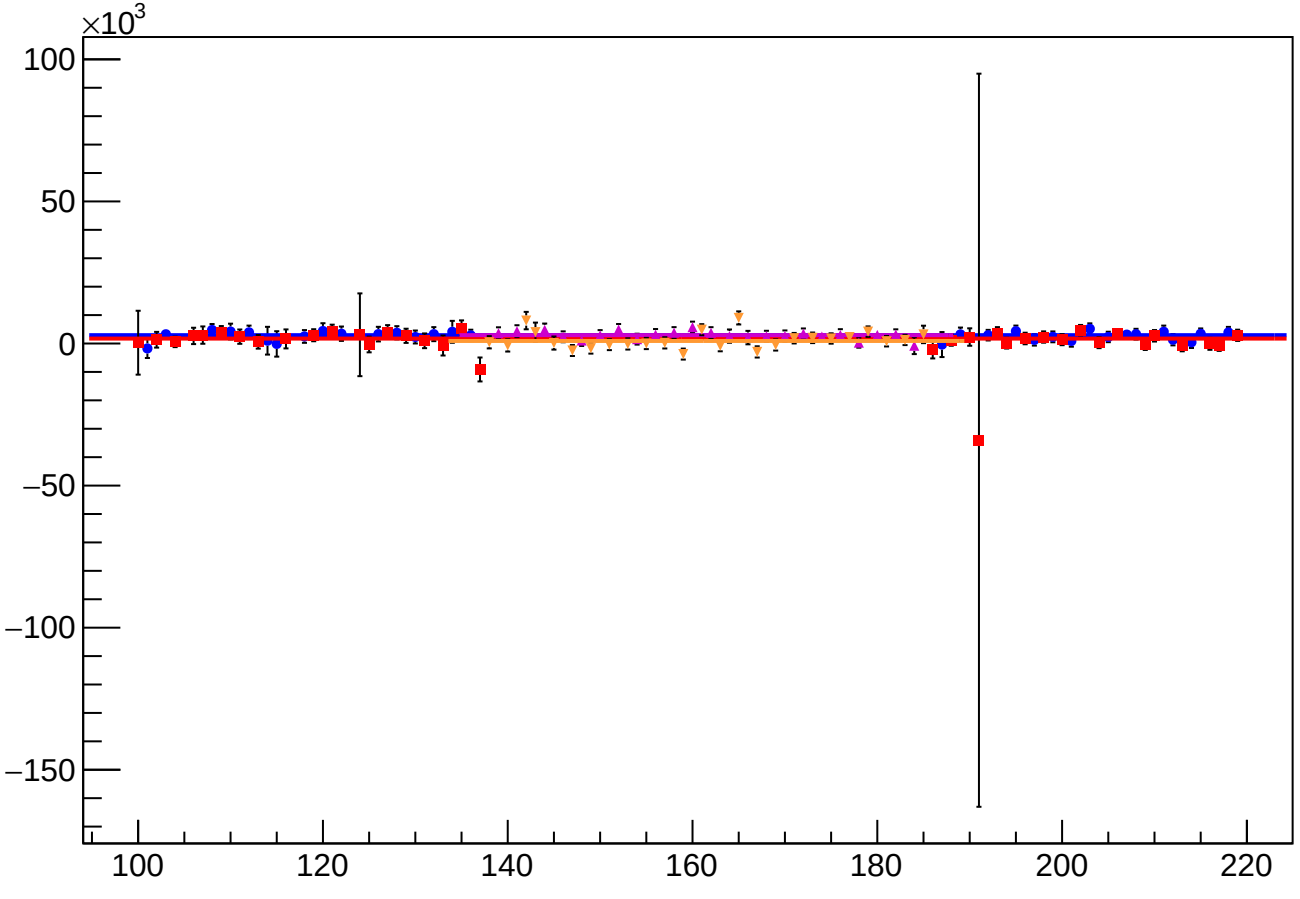
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 8755.792+/-1.004 χ^2/NDF: 6570422.1/68

In: 8976.011+/-1.052 χ^2/NDF:3784453.2/54

Out: 8305.490+/-0.970 χ^2/NDF:7395104.6/61

All: 8613.615+/-0.713 χ^2/NDF: 11399180.2/



Right In: 2937.497+/-391.310 χ^2/NDF: 11.6/31

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1732.907+/-384.645 χ^2/NDF: 27.7/36

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

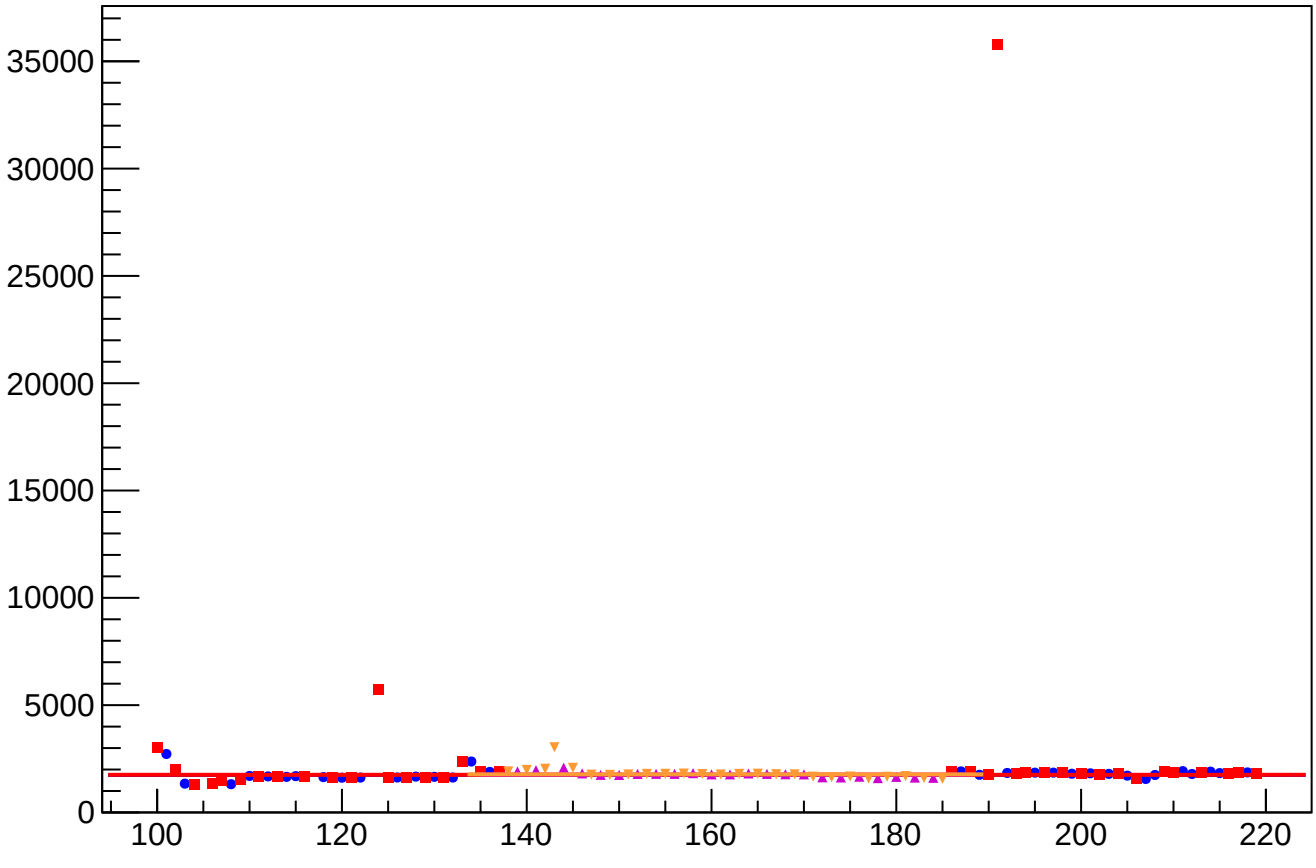
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2324.855+/-274.311 χ^2/NDF: 44.1/68

In: 2940.188+/-283.753 χ^2/NDF:22.2/54

Out: 1337.915+/-279.080 χ^2/NDF:75.2/61

All: 2125.748+/-198.971 χ^2/NDF: 113.6/116



Right In: 1745.696+/-0.277 χ^2/NDF: 540427.6/31

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1753.250+/-0.272 χ^2/NDF: 737681.5/36

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

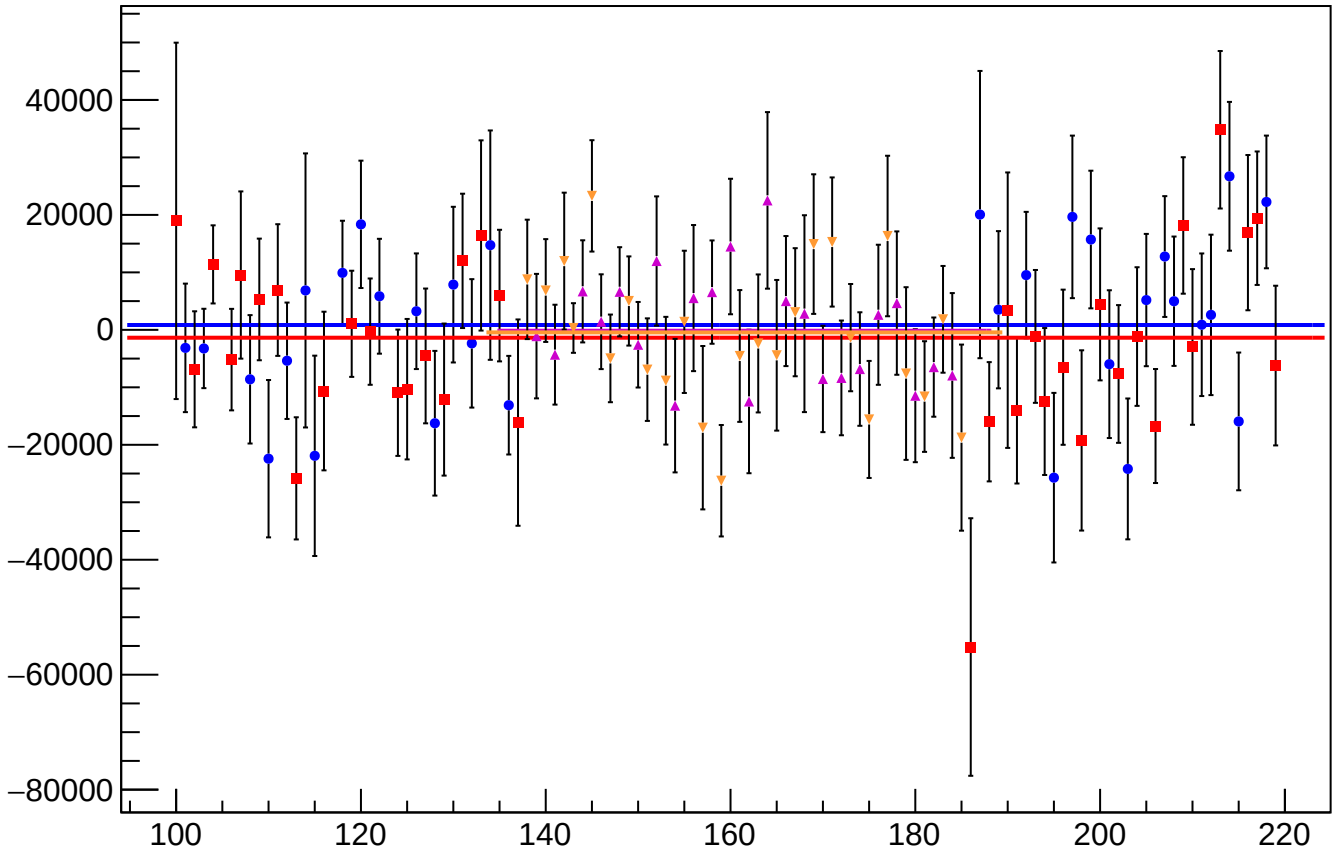
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1749.538+/-0.194 χ^2/NDF: 1278488.1/68

In: 1752.995+/-0.201 χ^2/NDF:688161.5/54

Out: 1763.423+/-0.197 χ^2/NDF:1187531.0/61

All: 1758.295+/-0.141 χ^2/NDF: 1877065.5/11



Right In: 843.275+/-2066.101 χ^2/NDF: 38.6/31

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -1368.392+/-1954.366 χ^2/NDF: 46.0/36

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

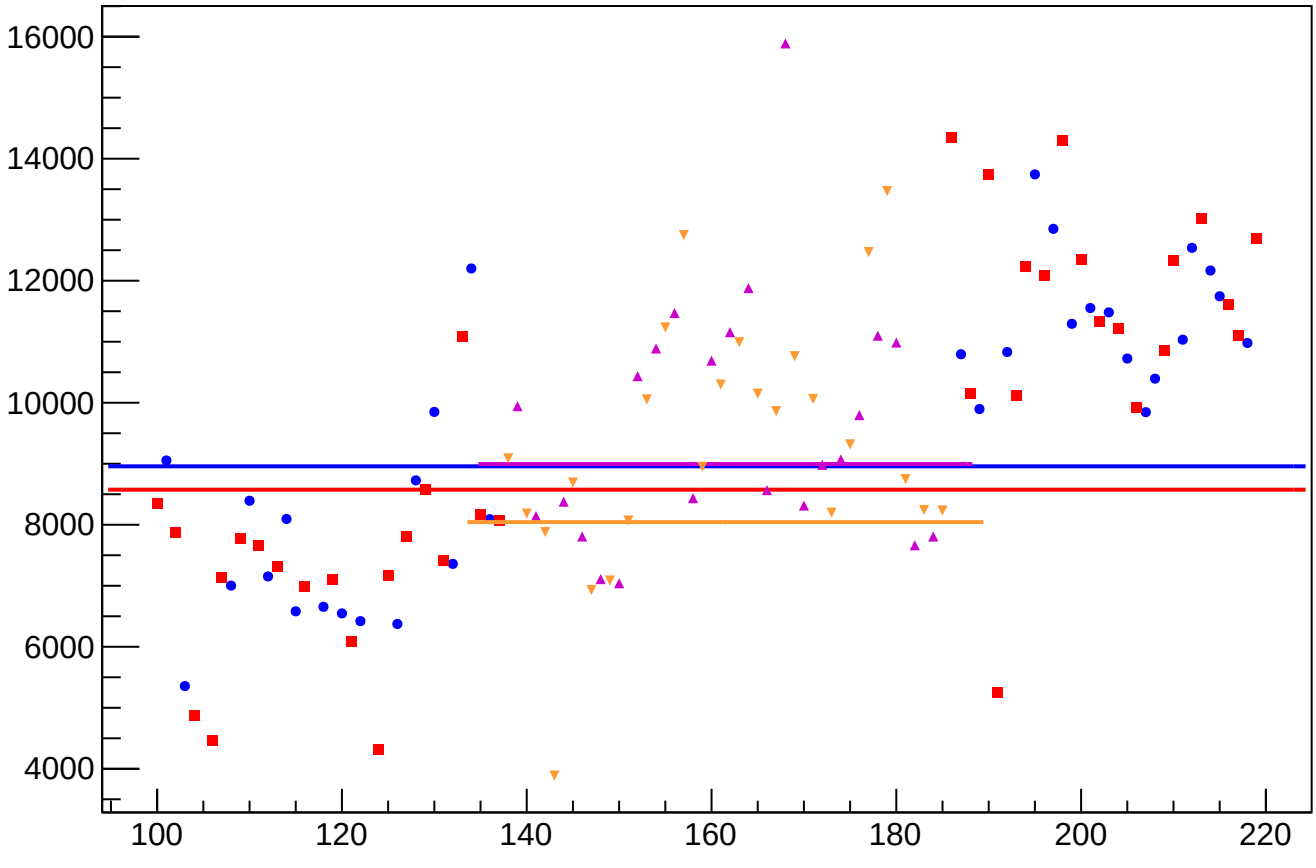
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -323.977+/-1419.804 χ^2/NDF: 85.2/68

In: 362.368+/-1487.560 χ^2/NDF:52.5/54

Out: -899.032+/-1371.662 χ^2/NDF:75.6/61

All: -319.379+/-1008.399 χ^2/NDF: 128.5/116



Right In: 8957.796+/-1.461 χ^2/NDF: 2576991.3/31

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8575.047+/-1.382 χ^2/NDF: 3957206.5/36

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

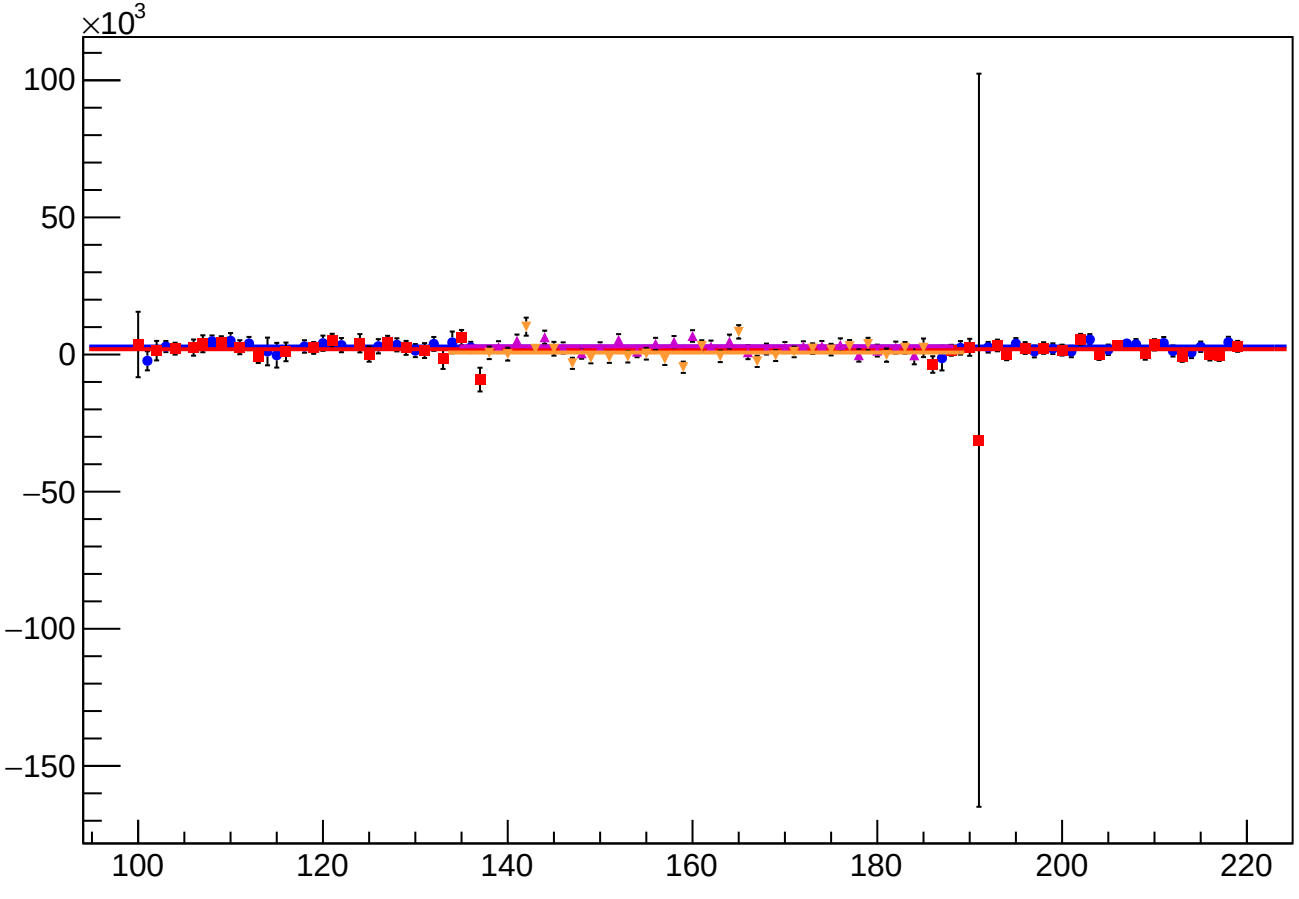
Right: 8755.792+/-1.004 χ^2/NDF: 6570422.1/68

In: 8976.011+/-1.052 χ^2/NDF:3784453.2/54

Out: 8305.490+/-0.970 χ^2/NDF:7395104.6/61

All: 8613.615+/-0.713 χ^2/NDF: 11399180.2/1

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2919.077+/-403.176 χ^2/NDF: 13.6/31

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 1940.557+/-394.824 χ^2/NDF: 32.2/36

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

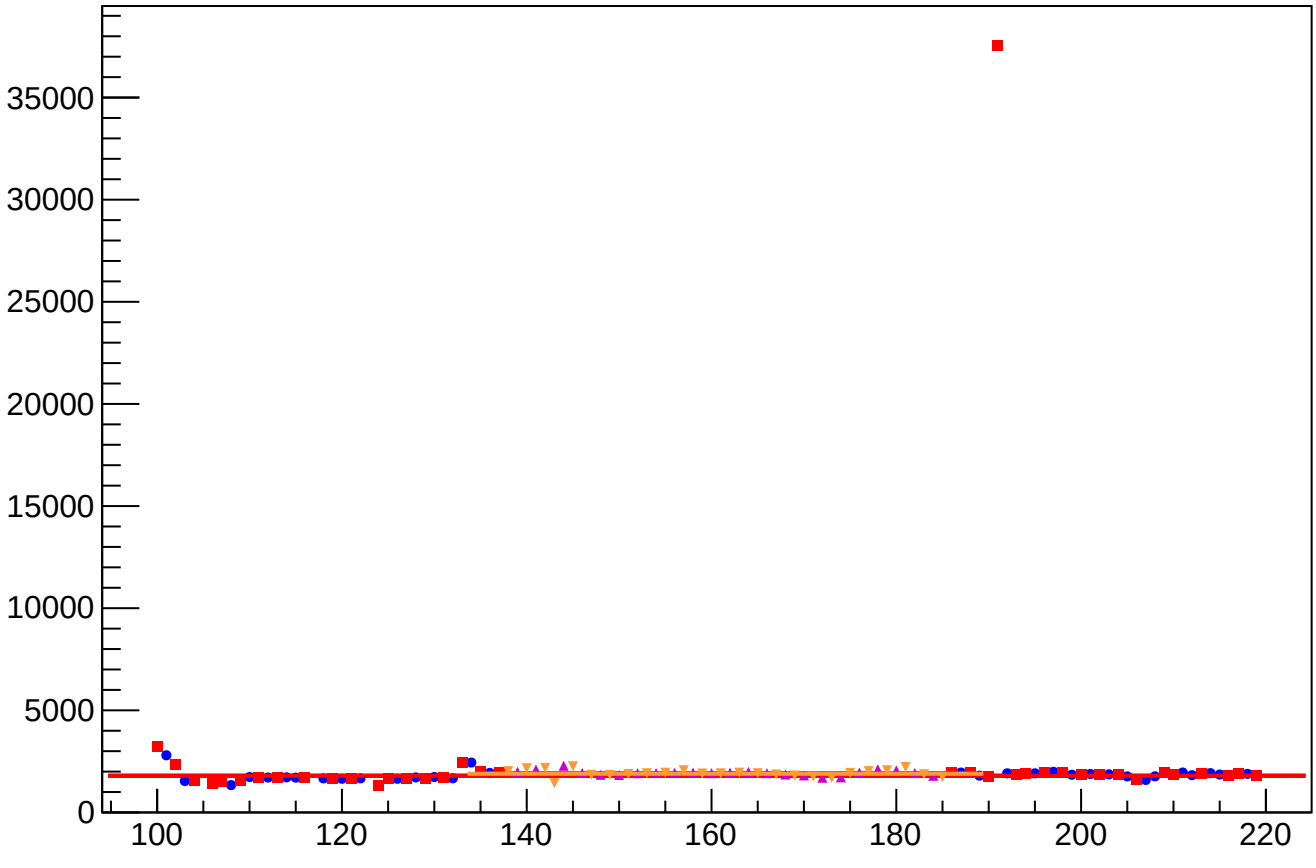
Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

Right: 2419.578+/-282.089 χ^2/NDF: 48.8/68

In: 2945.838+/-300.382 χ^2/NDF:29.2/54

Out: 1394.917+/-291.710 χ^2/NDF:78.0/61

All: 2147.668+/-209.269 χ^2/NDF: 120.9/116



Right In: 1799.224+/-0.285 χ^2/NDF: 483888.3/31

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1798.428+/-0.279 χ^2/NDF: 591603.0/36

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

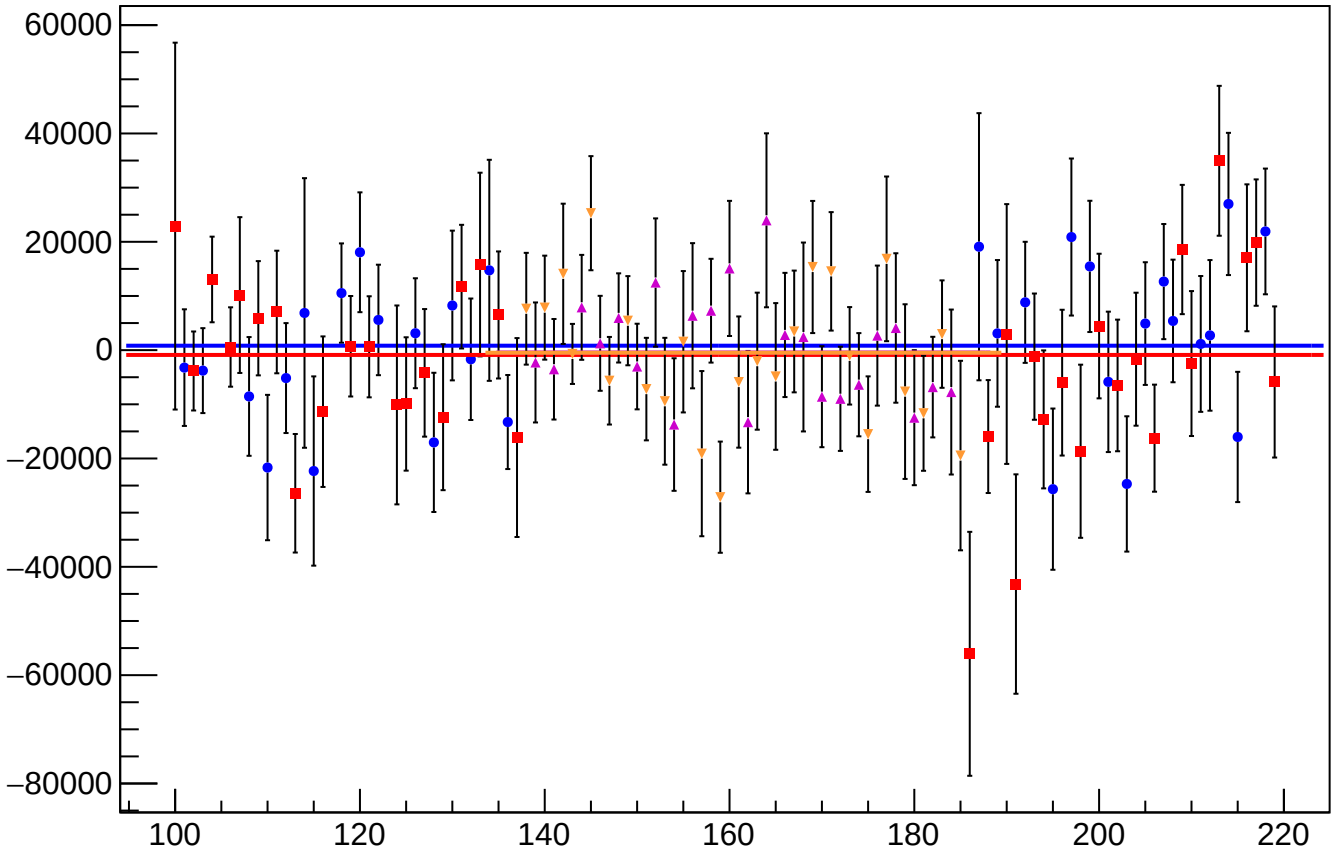
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1798.818+/-0.199 χ^2/NDF: 1075495.2/68

In: 1854.311+/-0.212 χ^2/NDF:718785.0/54

Out: 1842.133+/-0.206 χ^2/NDF:1014179.4/61

All: 1848.043+/-0.148 χ^2/NDF: 1734656.2/11



Right In: 820.829+/-2097.019 χ^2/NDF: 38.2/31

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -884.684+/-1962.576 χ^2/NDF: 48.2/36

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

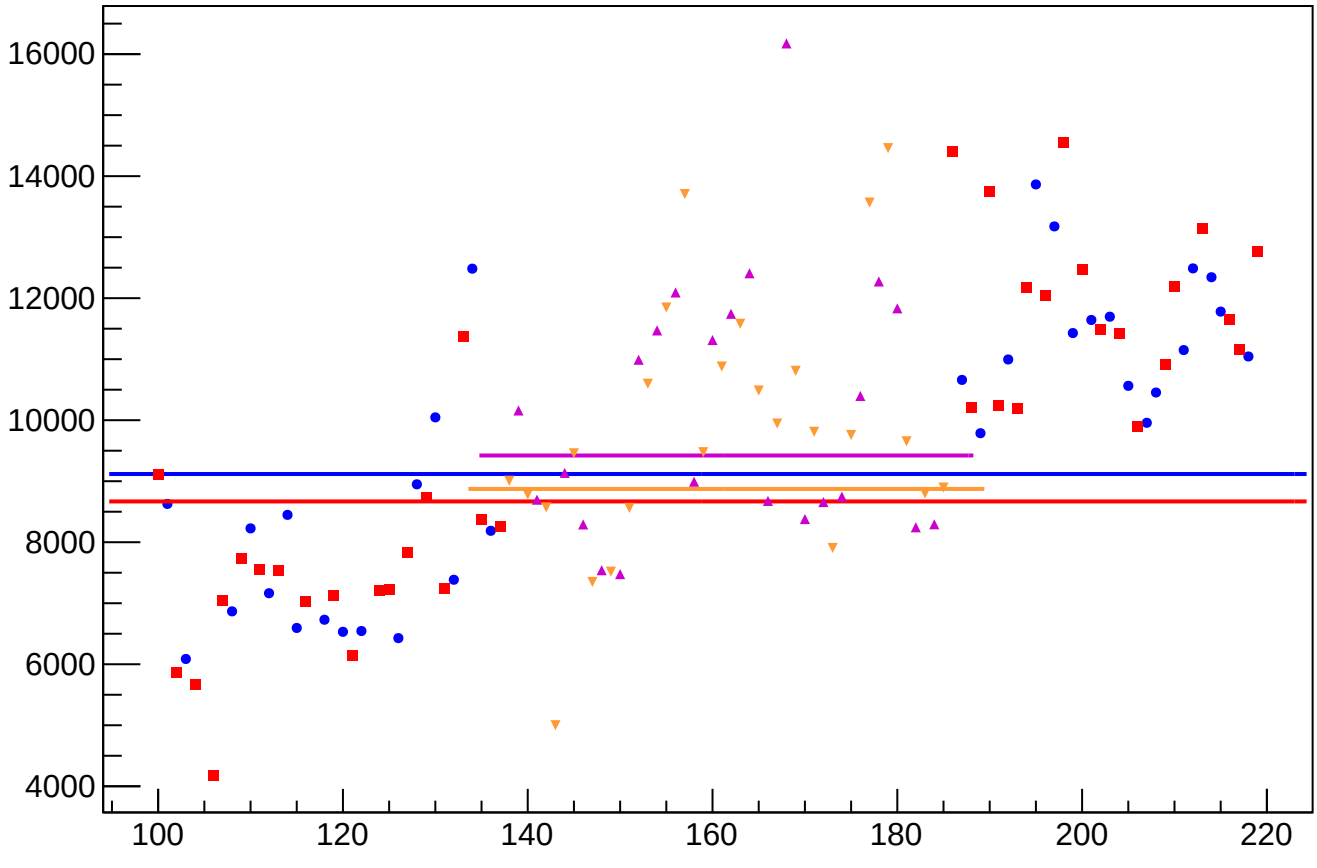
Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

Right: -88.347+/-1432.924 χ^2/NDF: 86.8/68

In: 234.915+/-1532.520 χ^2/NDF:52.0/54

Out: -694.669+/-1430.433 χ^2/NDF:77.0/61

All: -261.867+/-1045.698 χ^2/NDF: 129.2/116



Right In: 9117.905+/-1.483 χ^2/NDF: 2341356.7/31

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8668.636+/-1.388 χ^2/NDF: 3821519.5/36

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

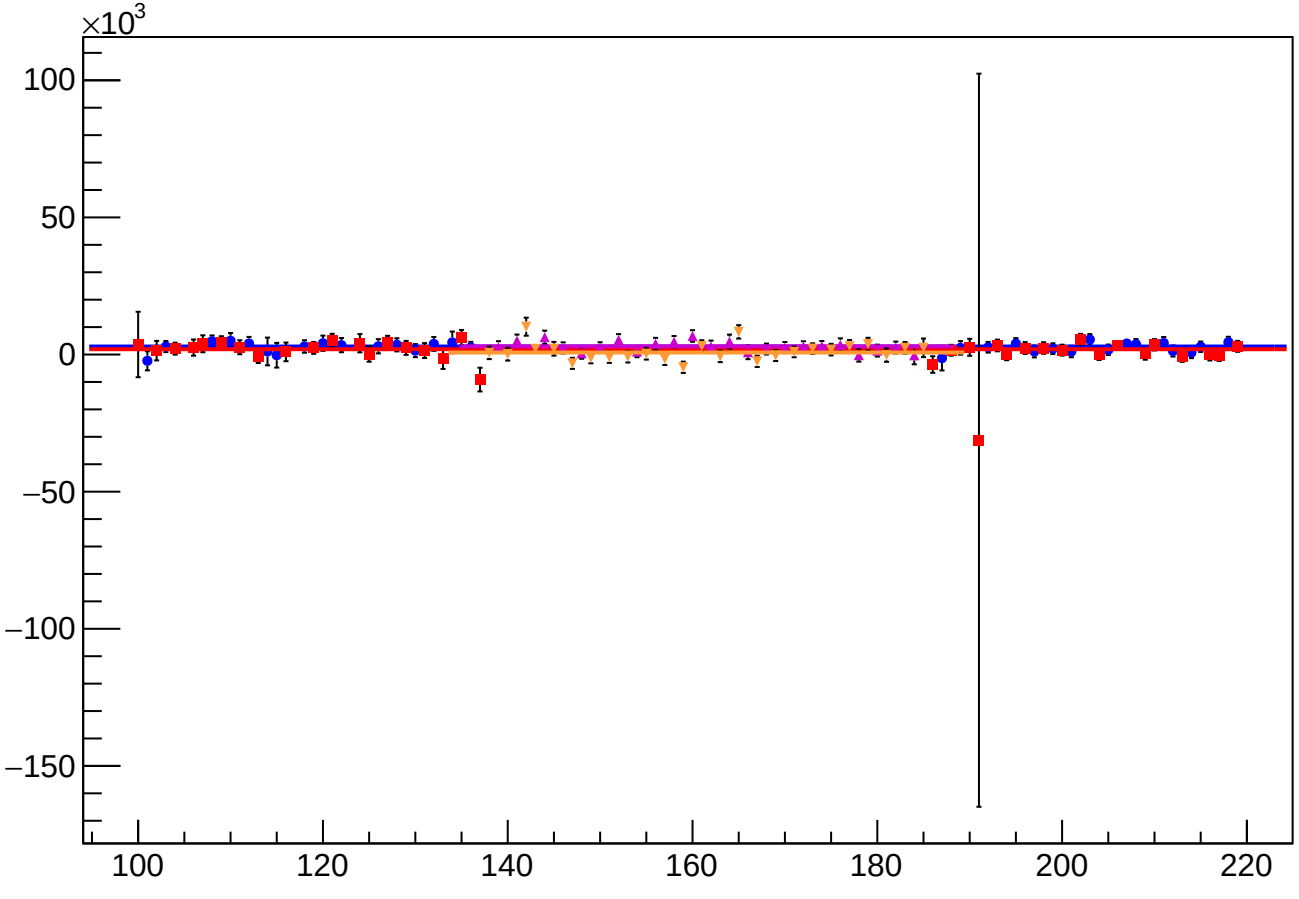
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 8878.408+/-1.013 χ^2/NDF: 6211812.7/68

In: 9259.452+/-1.084 χ^2/NDF:3565762.4/54

Out: 8764.713+/-1.011 χ^2/NDF:6034994.1/61

All: 8995.057+/-0.739 χ^2/NDF: 9712146.9/11



Right In: 2919.072+/-403.176 χ^2/NDF: 13.6/31

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 1940.556+/-394.824 χ^2/NDF: 32.2/36

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

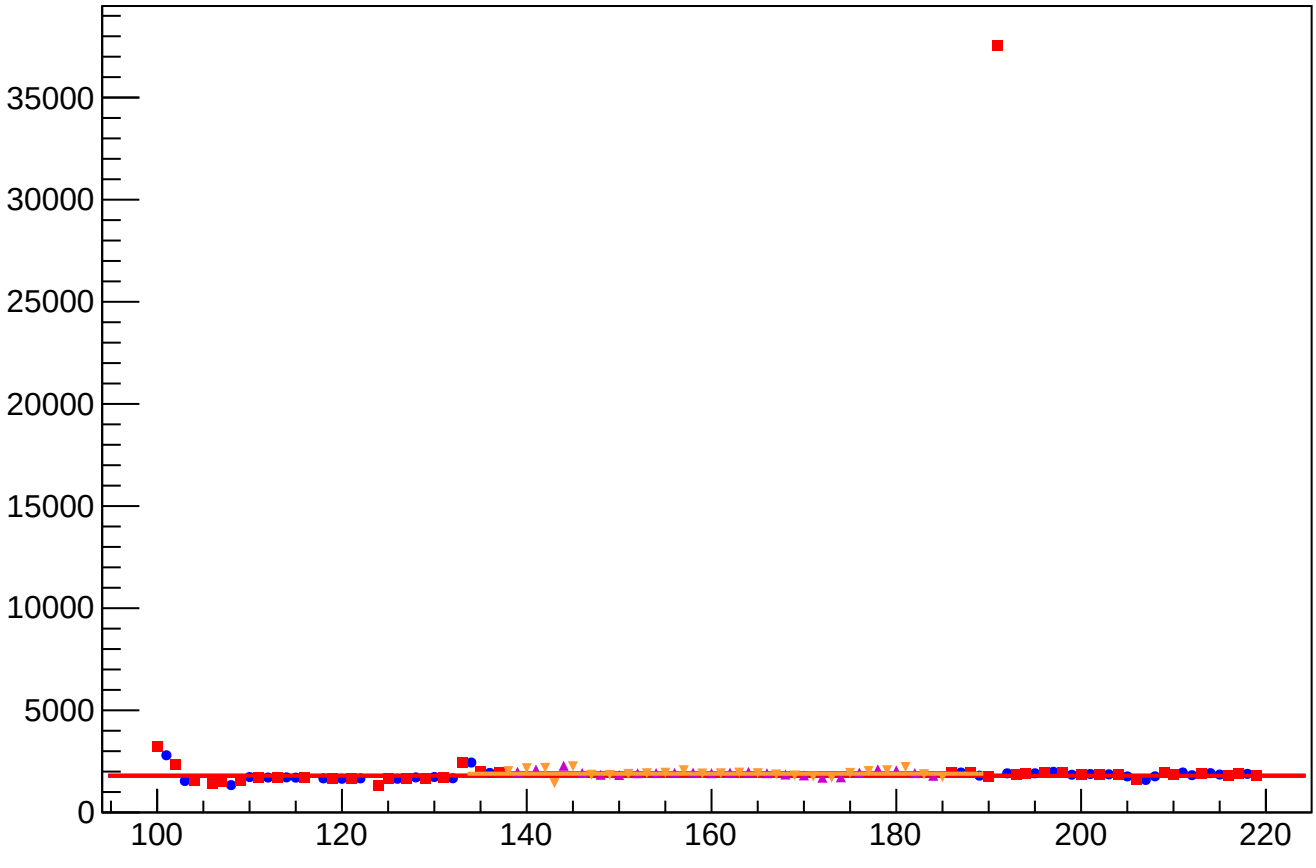
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2419.575+/-282.089 χ^2/NDF: 48.8/68

In: 2945.835+/-300.382 χ^2/NDF:29.2/54

Out: 1394.913+/-291.711 χ^2/NDF:78.0/61

All: 2147.664+/-209.269 χ^2/NDF: 120.9/116



Right In: 1799.224+/-0.285 χ^2/NDF: 483888.9/31

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1798.428+/-0.279 χ^2/NDF: 591604.4/36

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

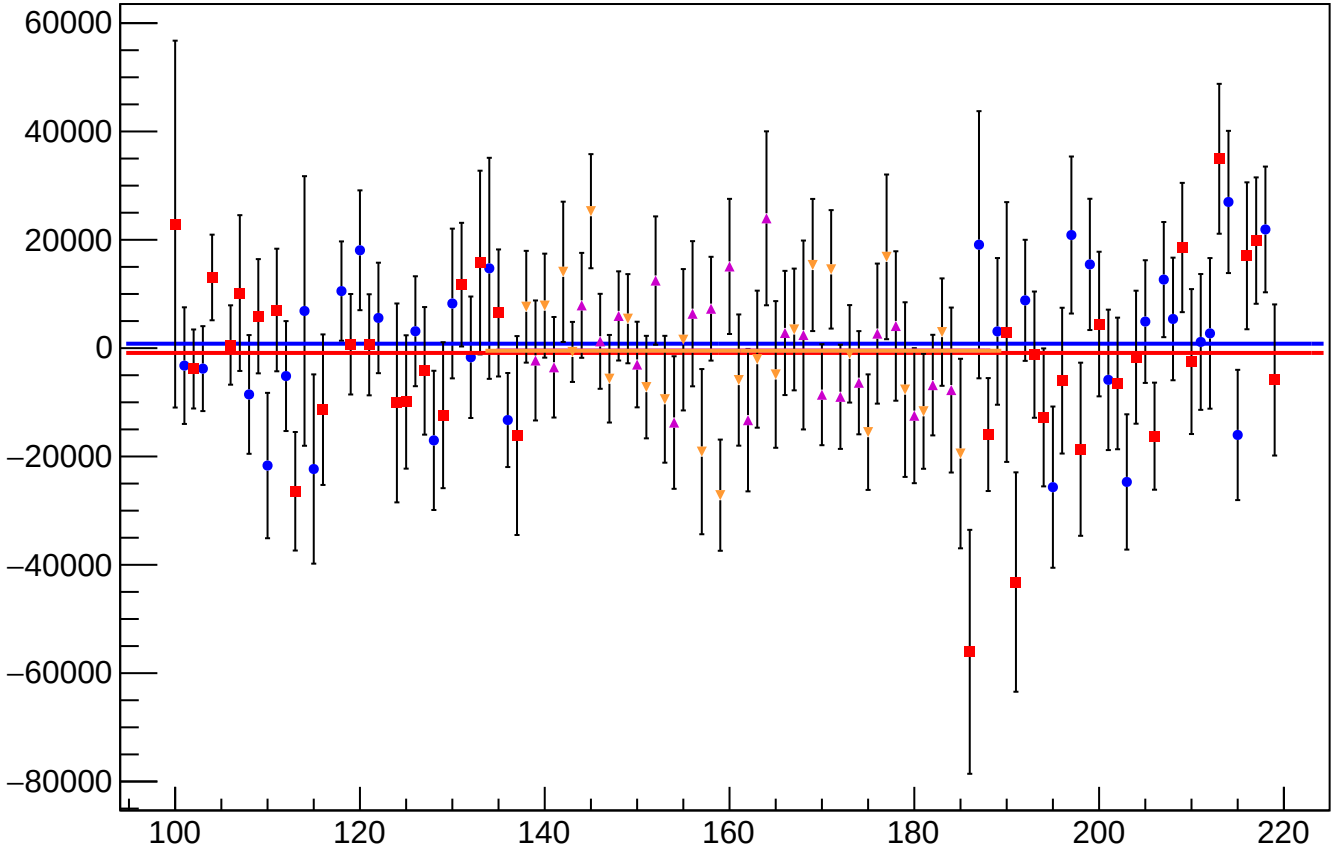
Right: 1798.817+/-0.199 χ^2/NDF: 1075497.3/68

In: 1854.312+/-0.212 χ^2/NDF:718797.5/54

Out: 1842.135+/-0.206 χ^2/NDF:1014191.9/61

All: 1848.045+/-0.148 χ^2/NDF: 1734681.1/11

asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 820.834+/-2097.018 χ^2/NDF: 38.2/31

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -884.674+/-1962.575 χ^2/NDF: 48.2/36

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

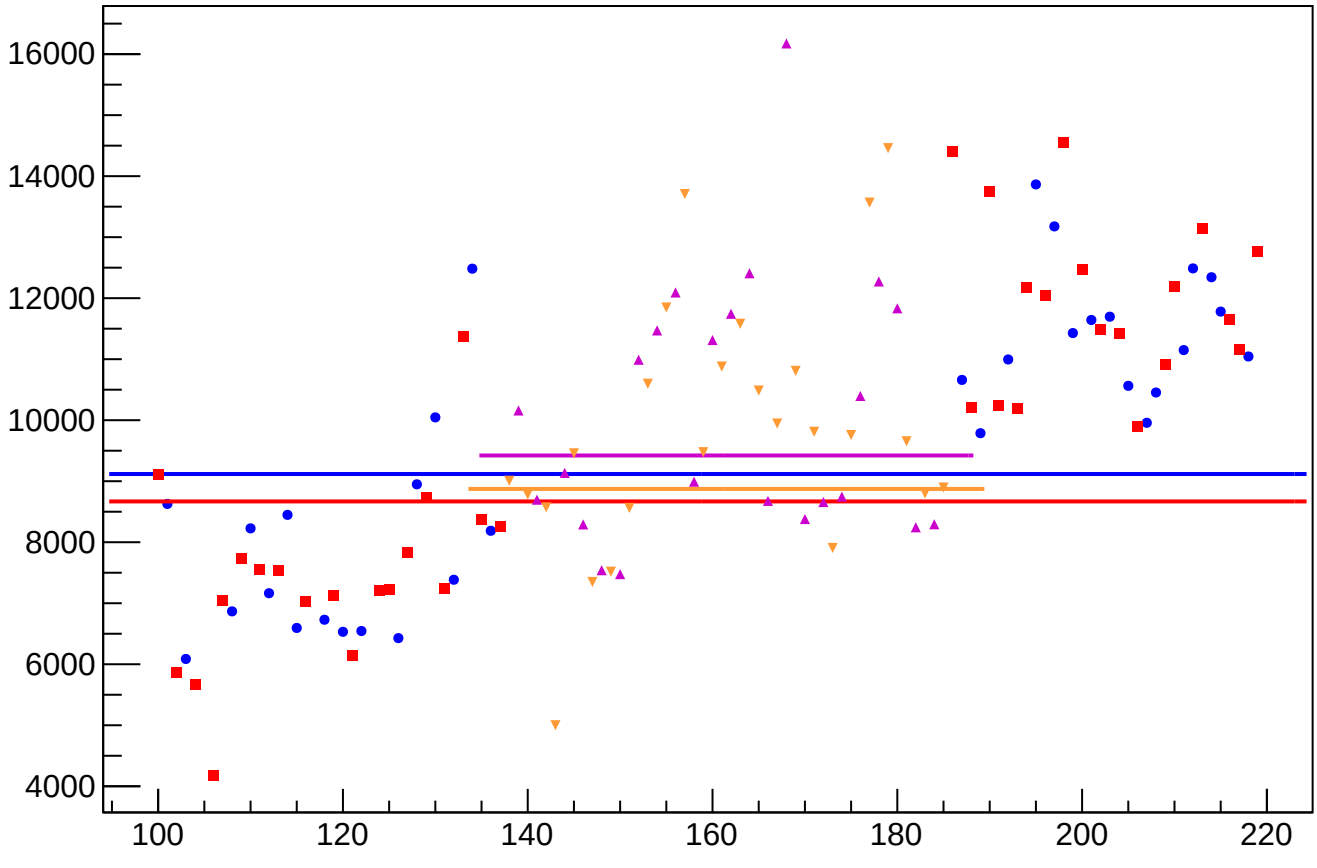
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -88.340+/-1432.923 χ^2/NDF: 86.8/68

In: 234.917+/-1532.521 χ^2/NDF:52.0/54

Out: -694.668+/-1430.434 χ^2/NDF:77.0/61

All: -261.866+/-1045.698 χ^2/NDF: 129.2/116



Right In: 9117.897+/-1.483 χ^2/NDF: 2341392.1/31

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 8668.625+/-1.388 χ^2/NDF: 3821552.6/36

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

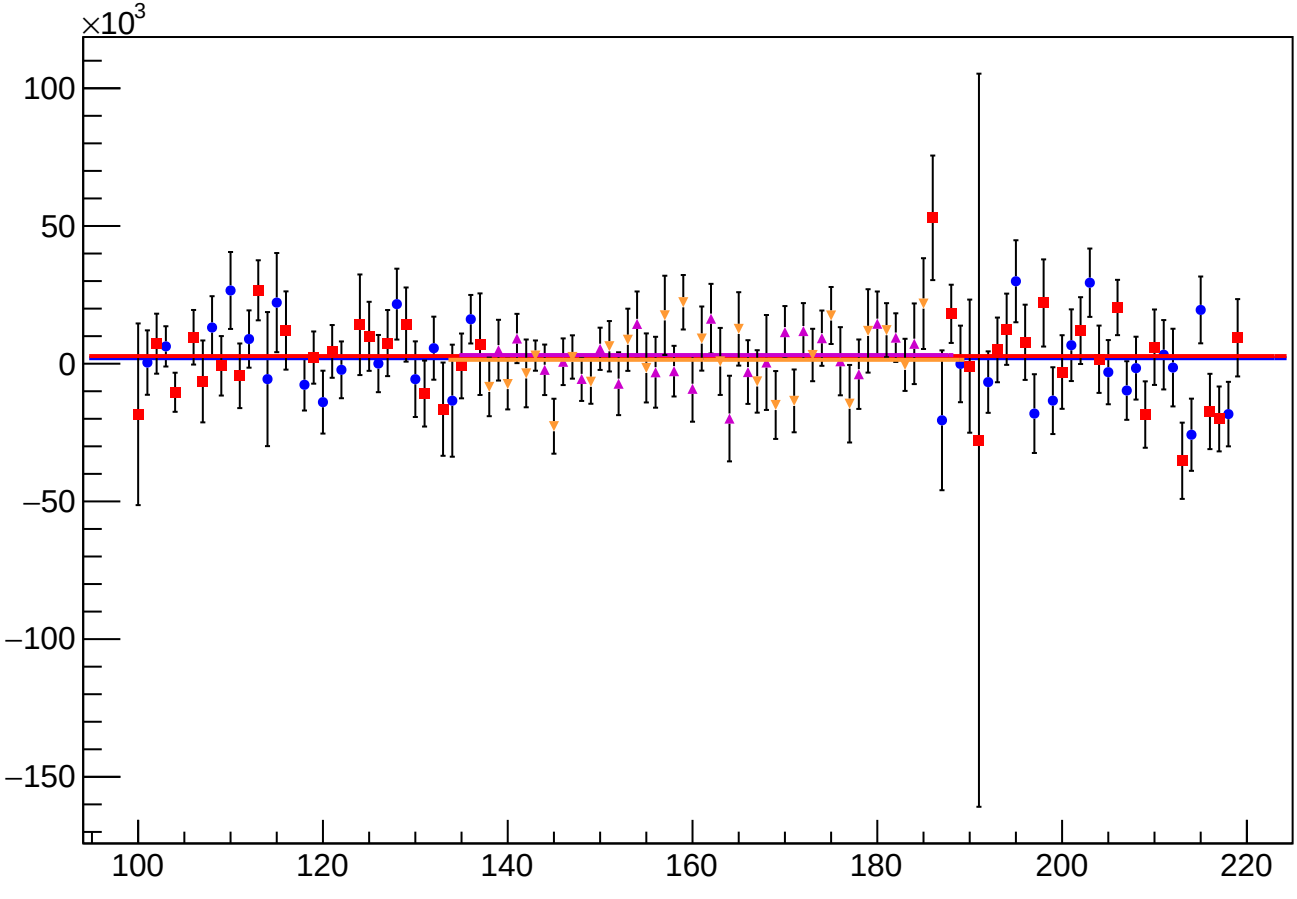
Right: 8878.399+/-1.013 χ^2/NDF: 6211881.6/68

In: 9259.454+/-1.084 χ^2/NDF:3565804.7/54

Out: 8764.715+/-1.011 χ^2/NDF:6035031.2/61

All: 8995.059+/-0.739 χ^2/NDF: 9712226.4/11

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 1995.803+/-2115.558 χ^2/NDF: 40.0/31

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 2769.411+/-2054.294 χ^2/NDF: 45.0/36

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

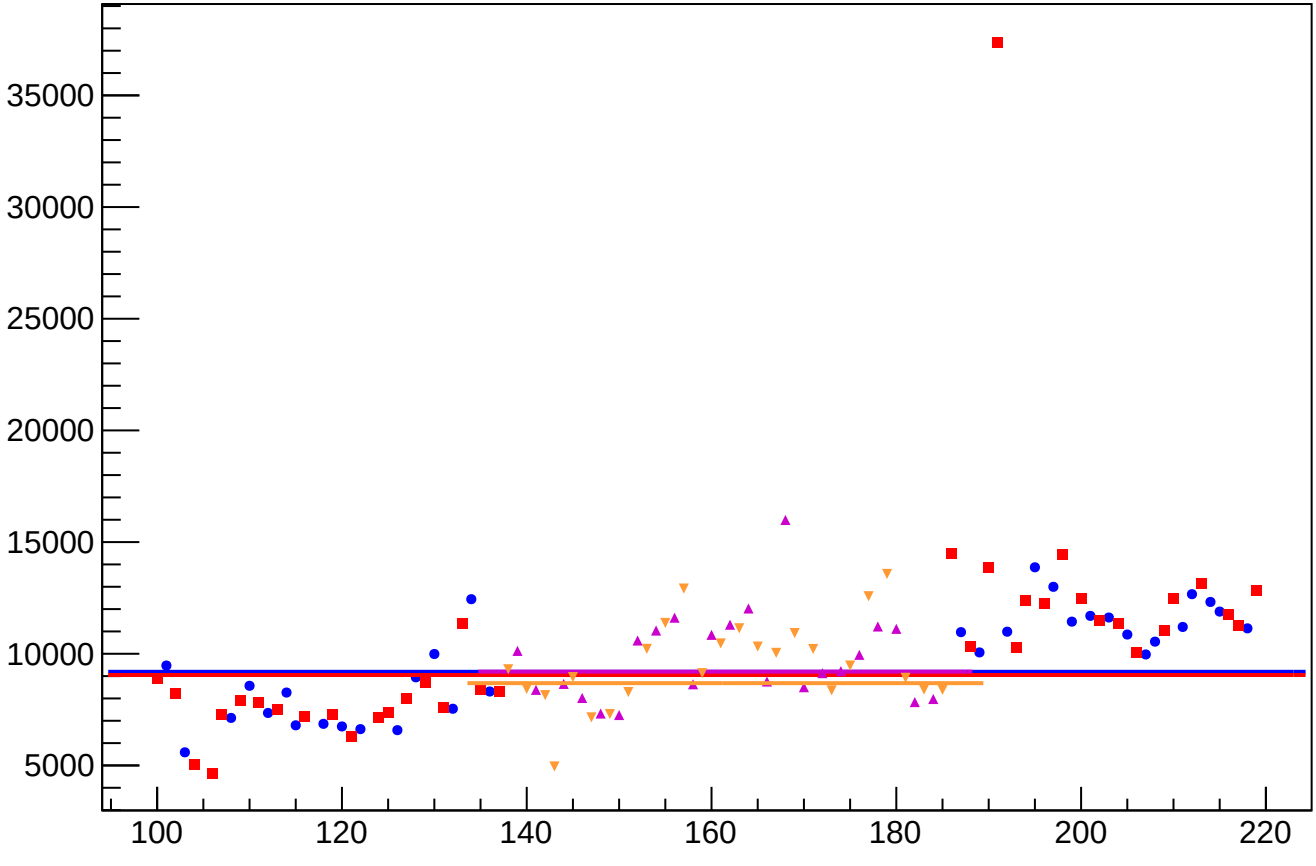
Right: 2393.970+/-1473.788 χ^2/NDF: 85.1/68

In: 2547.909+/-1521.383 χ^2/NDF:53.1/54

Out: 2084.081+/-1447.492 χ^2/NDF:72.6/61

All: 2304.458+/-1048.681 χ^2/NDF: 125.8/116

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 9191.930+/-1.496 χ^2/NDF: 2393156.7/31

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 9048.823+/-1.453 χ^2/NDF: 3336867.7/36

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

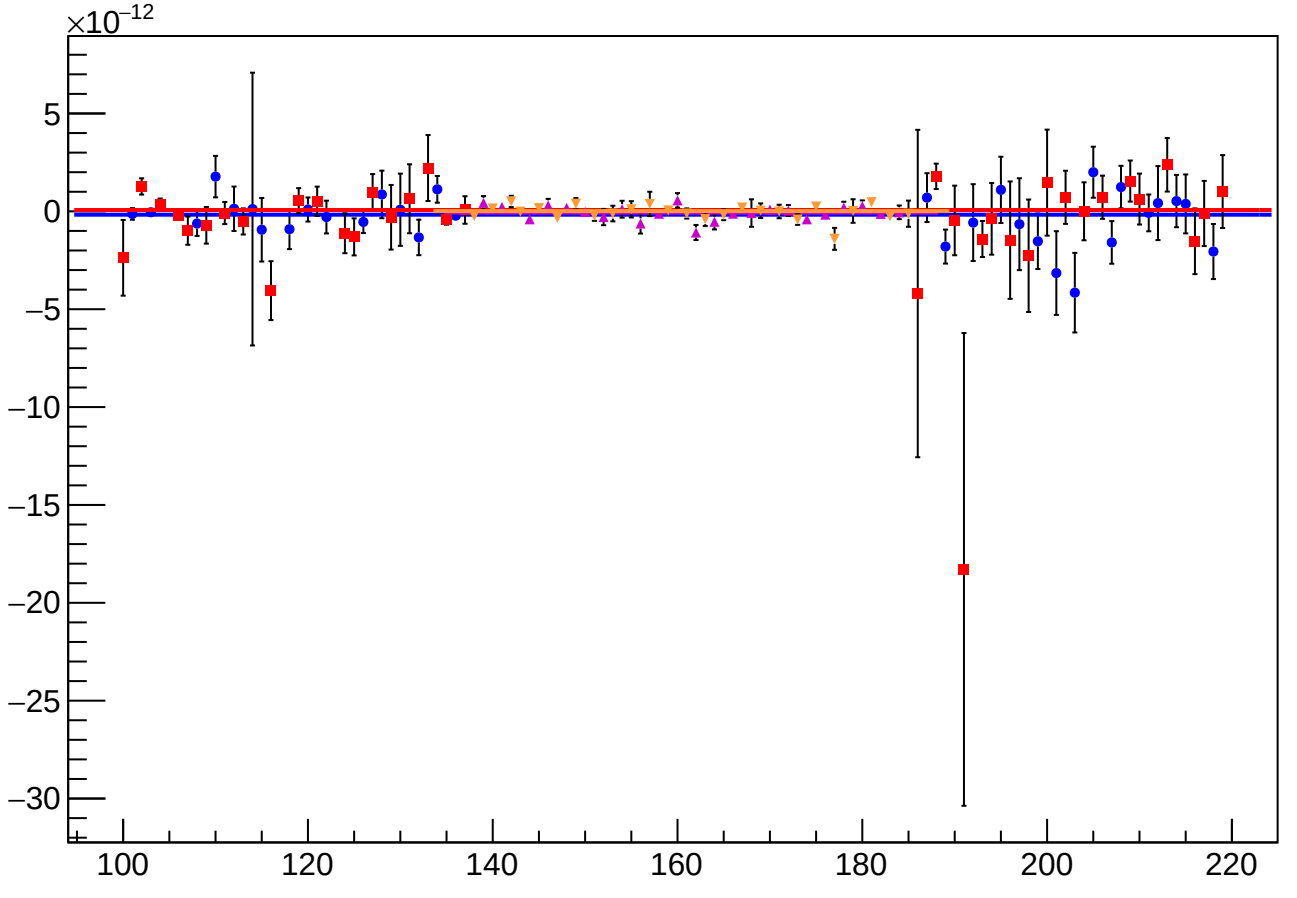
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 9118.271+/-1.042 χ^2/NDF: 5734734.9/68

In: 9196.211+/-1.076 χ^2/NDF:3522595.0/54

Out: 8865.415+/-1.024 χ^2/NDF:5420156.0/61

All: 9022.581+/-0.742 χ^2/NDF: 8992380.4/11



Right In: -0.000+/-0.000 χ^2/NDF: 31.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 53.4/36

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

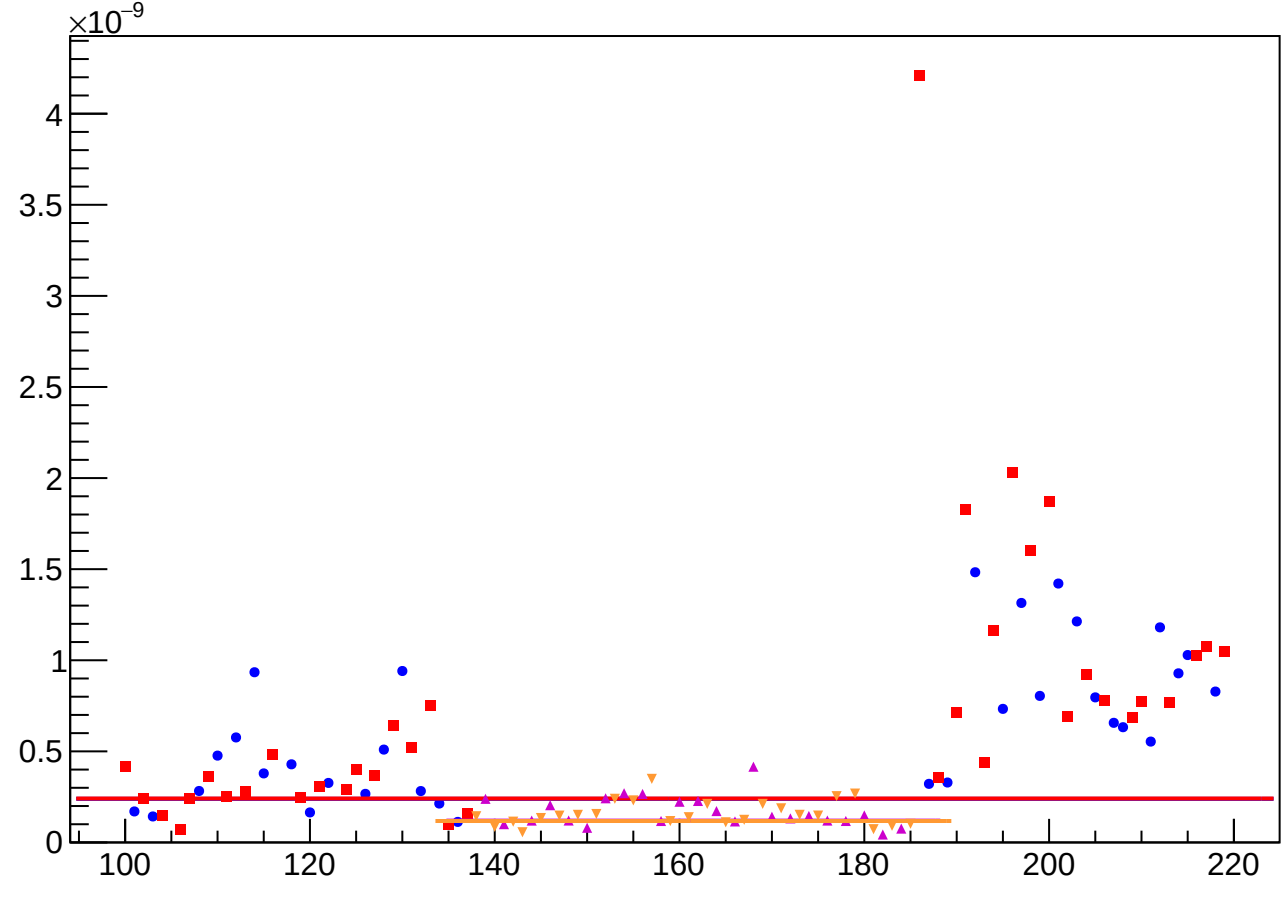
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 87.1/68

In: -0.000+/-0.000 χ^2/NDF:60.0/54

Out: 0.000+/-0.000 χ^2/NDF:82.5/61

All: -0.000+/-0.000 χ^2/NDF: 145.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 7945017.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8835773.0/36

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

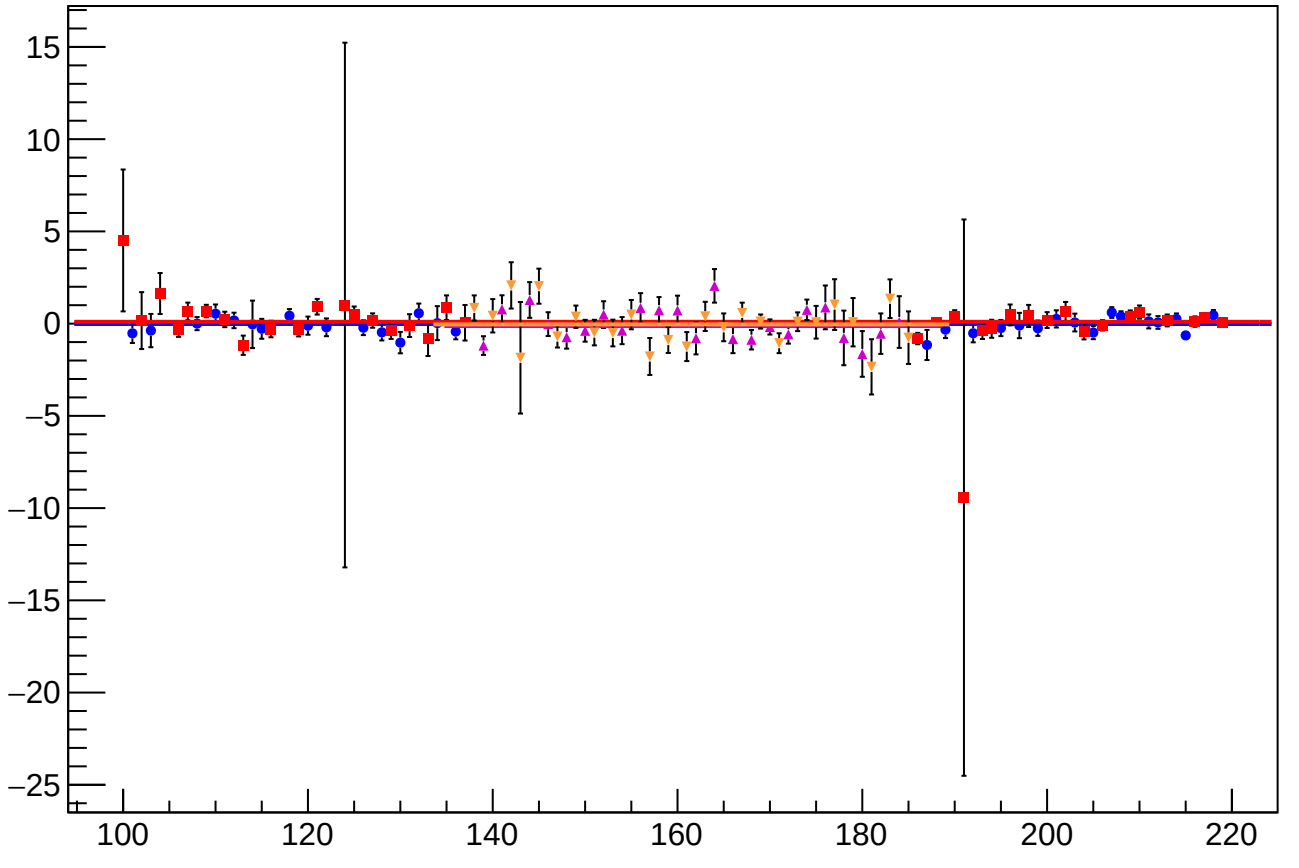
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 16781005.2/68

In: 0.000+/-0.000 χ^2/NDF:12457523.2/54

Out: 0.000+/-0.000 χ^2/NDF:13117699.4/61

All: 0.000+/-0.000 χ^2/NDF: 25583596.0/116



Right In: -0.016+/-0.074 χ^2/NDF: 32.6/31

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.099+/-0.065 χ^2/NDF: 44.2/36

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

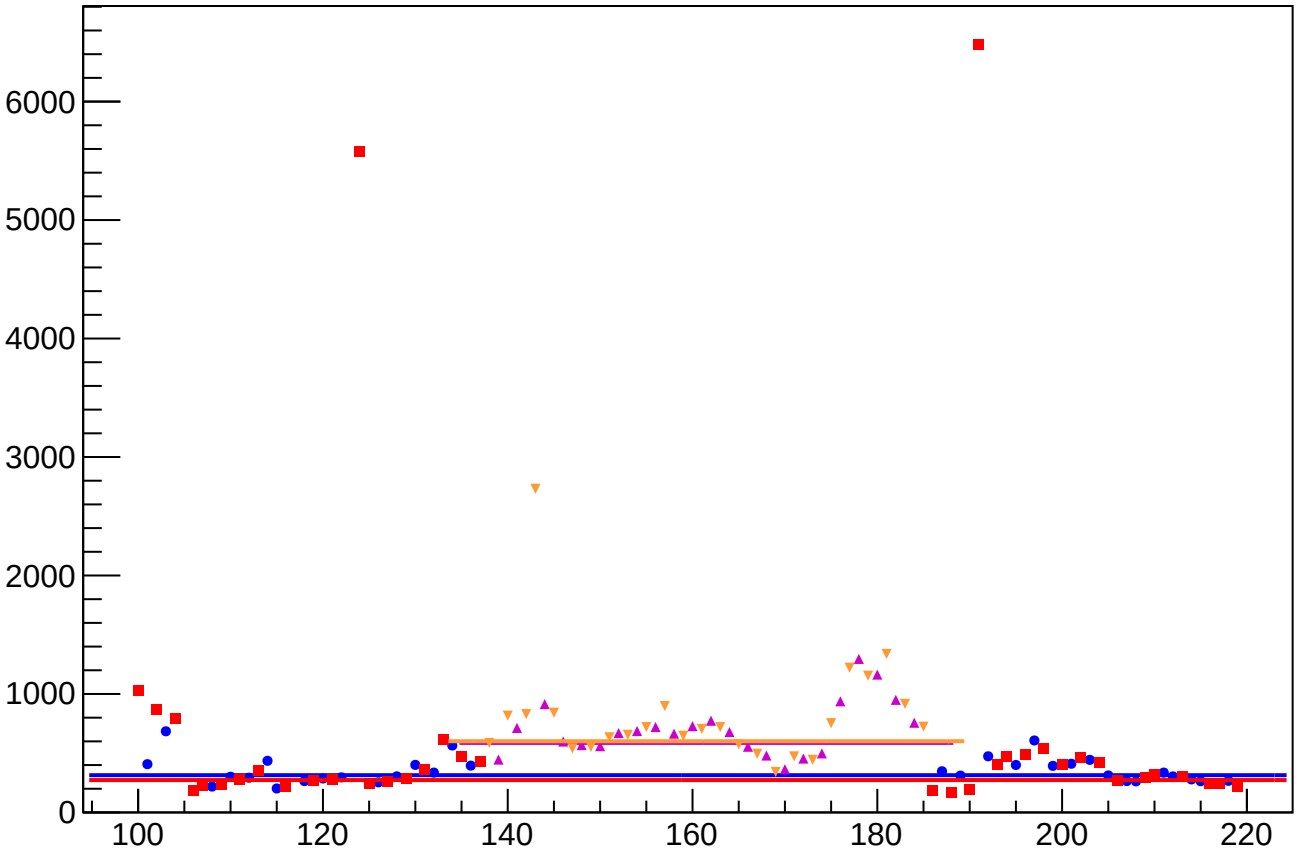
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.049+/-0.049 χ^2/NDF: 78.1/68

In: -0.039+/-0.066 χ^2/NDF:62.1/54

Out: 0.076+/-0.060 χ^2/NDF:75.1/61

All: 0.024+/-0.044 χ^2/NDF: 138.8/116



Right In: 314.500+/-0.052 χ^2/NDF: 2259835.2/31

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 273.354+/-0.046 χ^2/NDF: 5195704.5/36

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

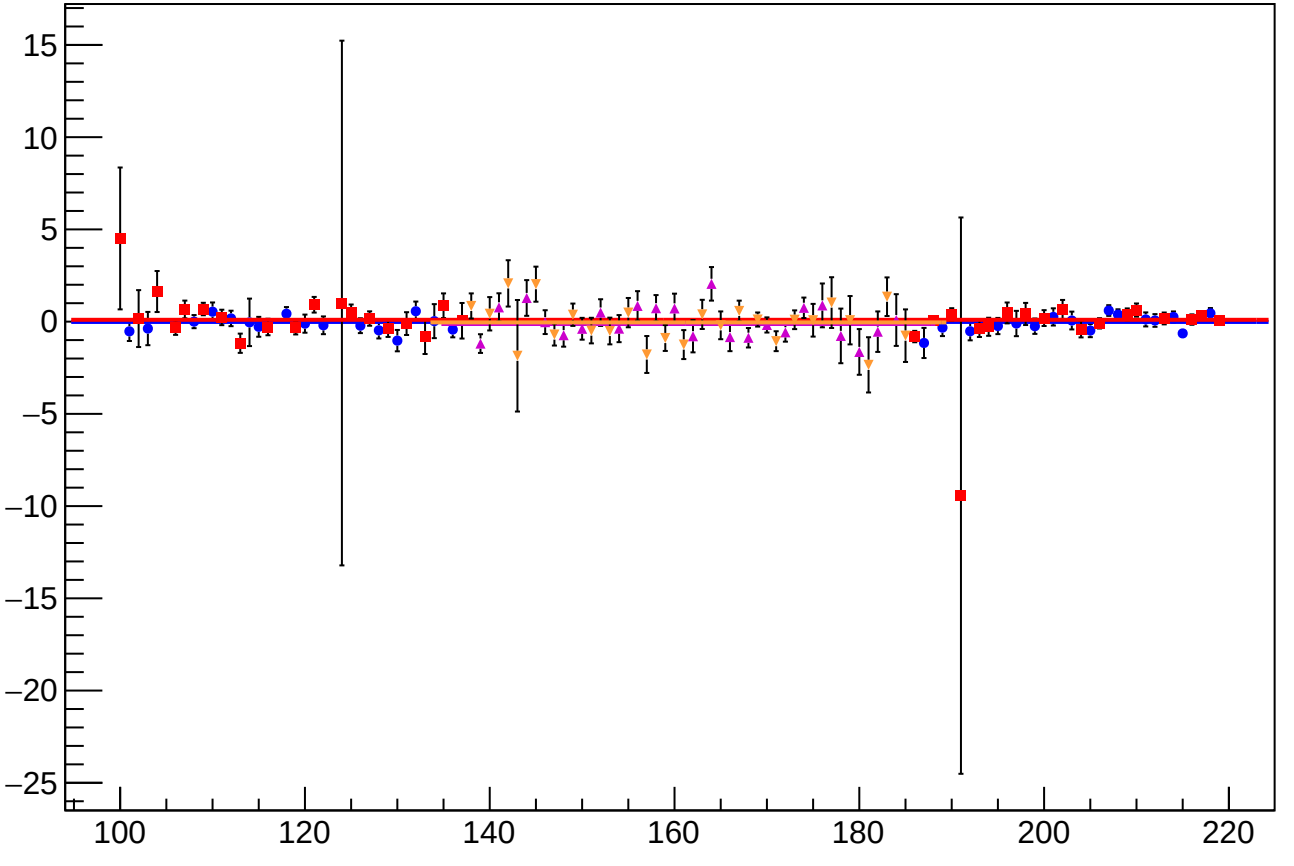
Right: 291.407+/-0.035 χ^2/NDF: 7805223.9/68

In: 370.309+/-0.046 χ^2/NDF:10787438.1/54

Out: 326.906+/-0.042 χ^2/NDF:17921781.6/61

All: 346.495+/-0.031 χ^2/NDF: 29187652.9/11

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.074 χ^2/NDF: 32.6/31

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.099+/-0.065 χ^2/NDF: 44.2/36

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

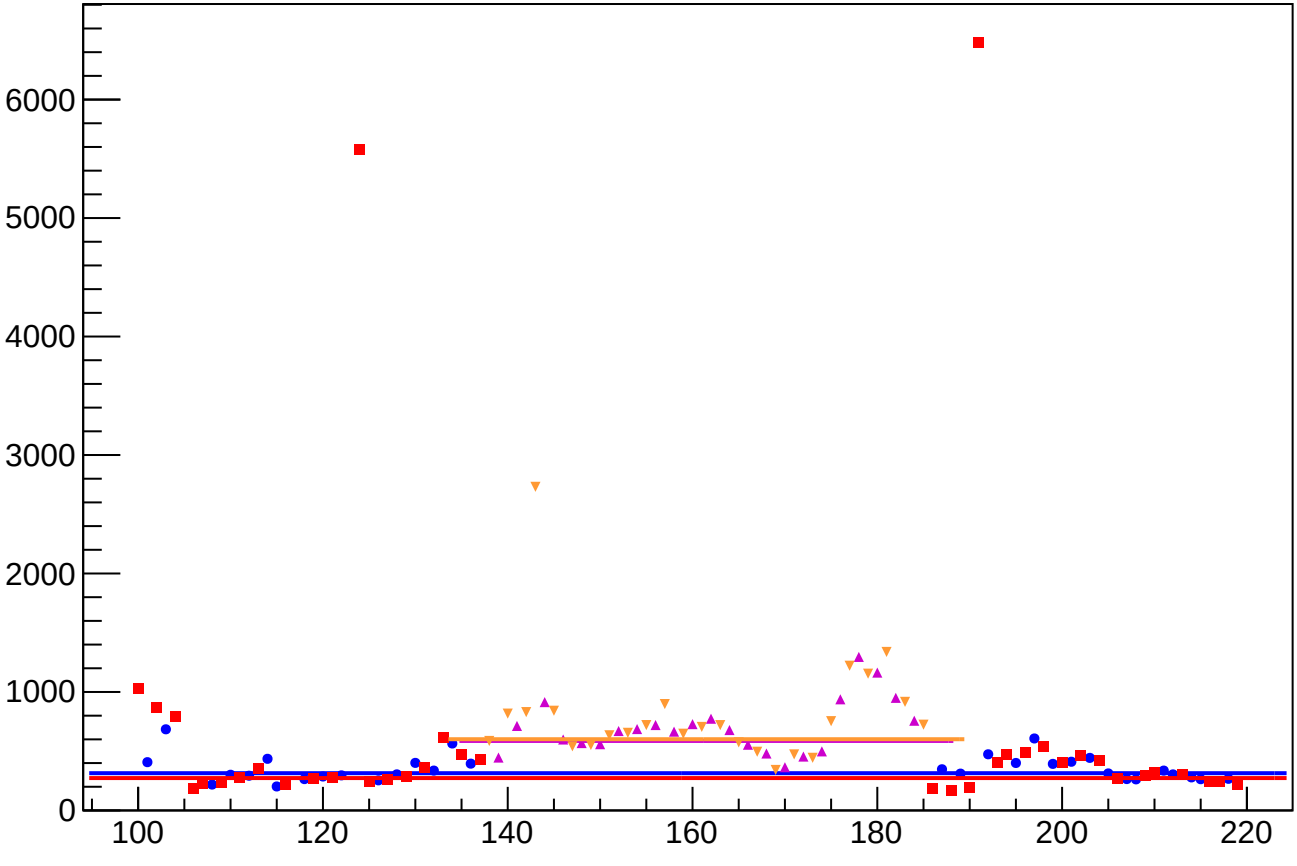
Right: 0.049+/-0.049 χ^2/NDF: 78.1/68

In: -0.039+/-0.066 χ^2/NDF:62.1/54

Out: 0.076+/-0.060 χ^2/NDF:75.1/61

All: 0.024+/-0.044 χ^2/NDF: 138.8/116

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 314.500+/-0.052 χ^2/NDF: 2259835.2/31

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 273.354+/-0.046 χ^2/NDF: 5195704.5/36

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

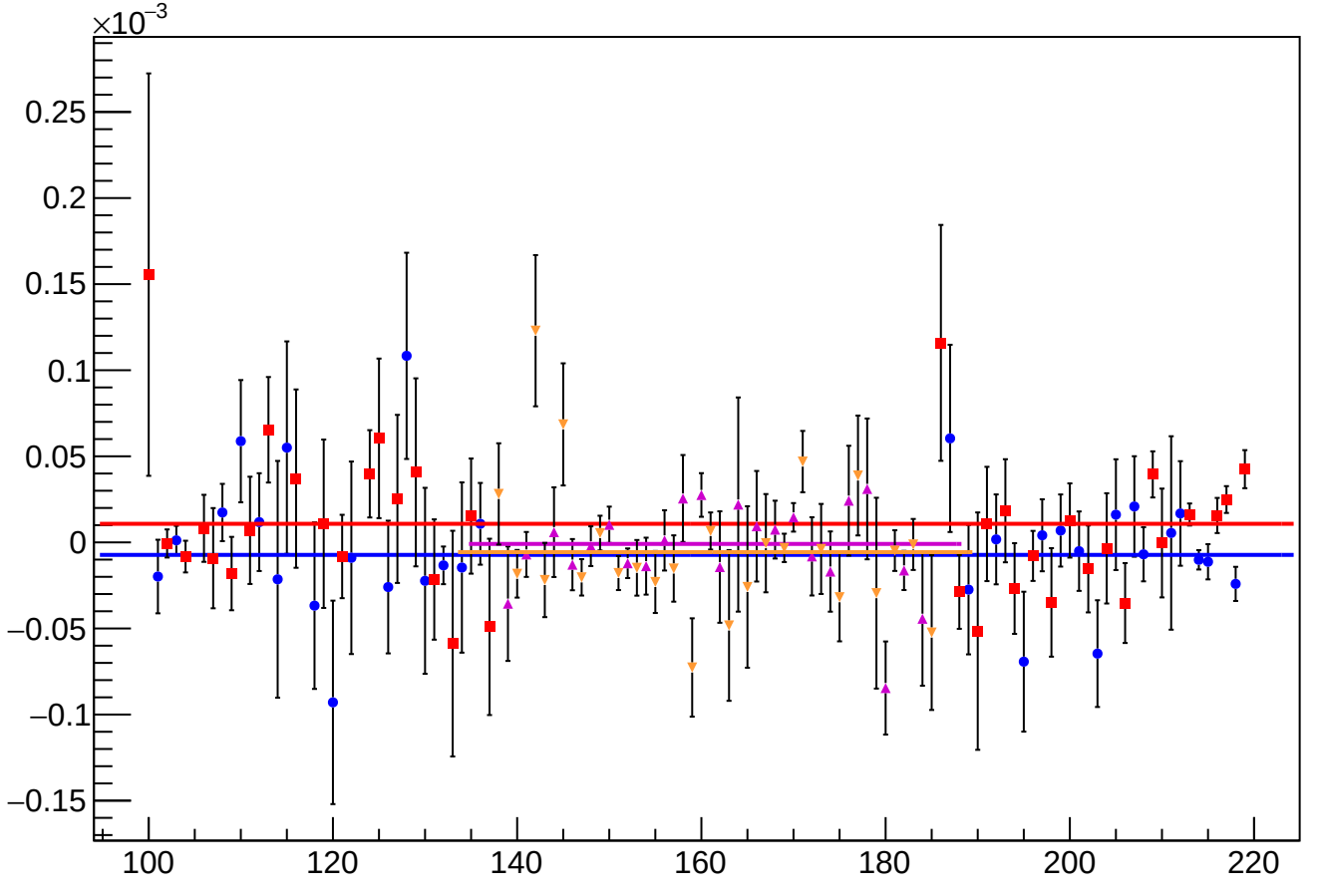
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 291.407+/-0.035 χ^2/NDF: 7805223.9/68

In: 370.309+/-0.046 χ^2/NDF:10787438.1/54

Out: 326.906+/-0.042 χ^2/NDF:17921781.6/61

All: 346.495+/-0.031 χ^2/NDF: 29187652.9/11



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 55.2/36

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

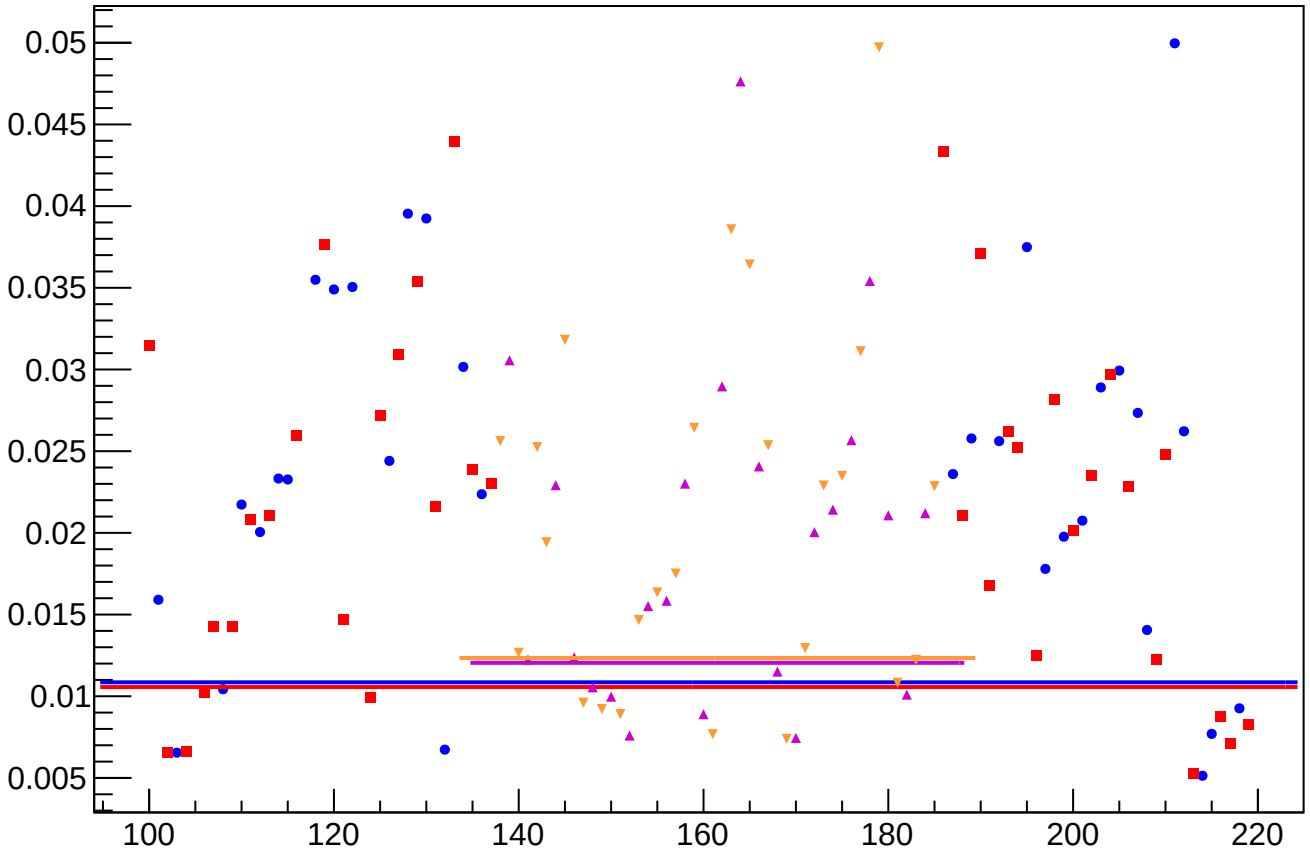
Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

Right: 0.000+/-0.000 χ^2/NDF: 103.7/68

In: -0.000+/-0.000 χ^2/NDF:62.0/54

Out: 0.000+/-0.000 χ^2/NDF:112.4/61

All: -0.000+/-0.000 χ^2/NDF: 181.2/116



Right In: 0.011+/-0.000 χ^2/NDF: 13487078.9/31

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 12150977.8/36

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

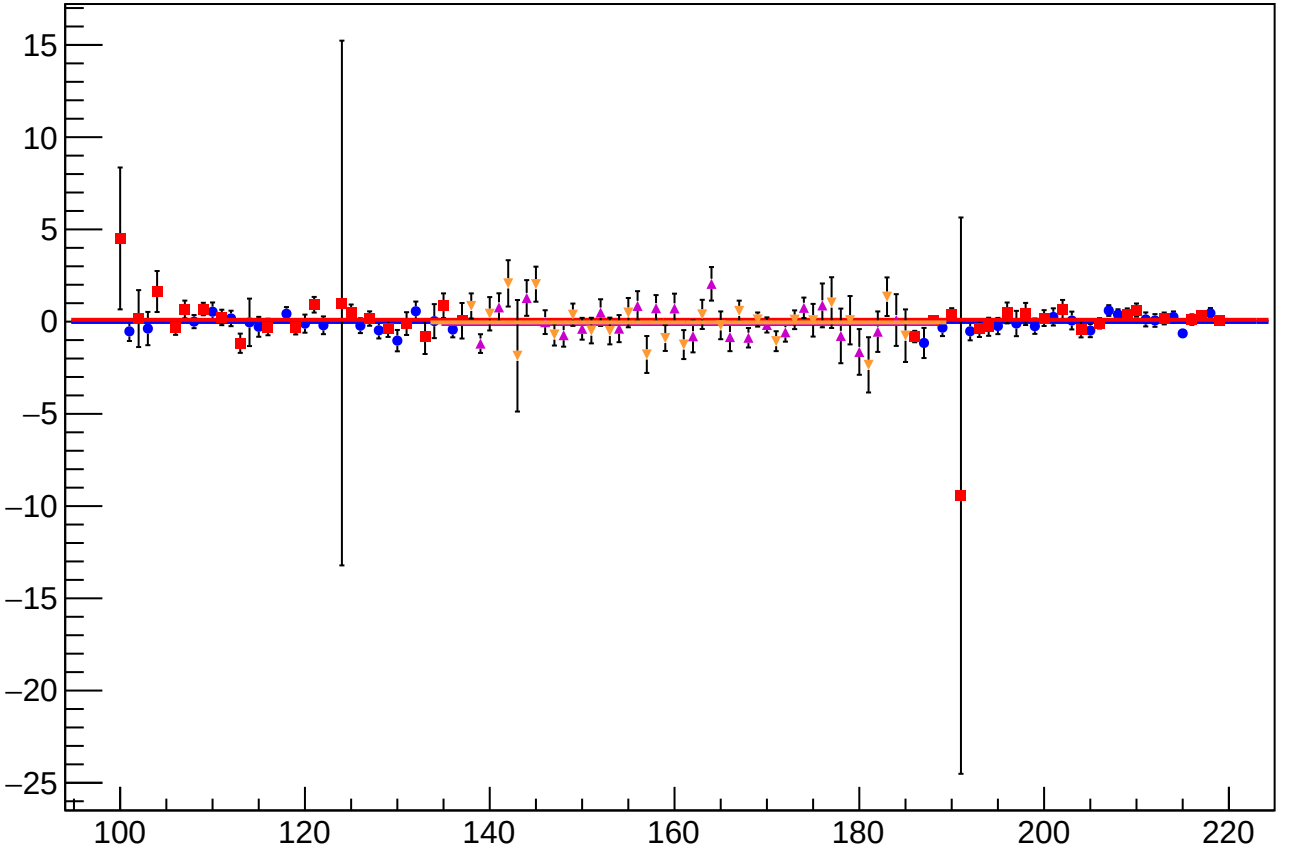
Right: 0.011+/-0.000 χ^2/NDF: 25647685.1/68

In: 0.011+/-0.000 χ^2/NDF:20006642.3/54

Out: 0.011+/-0.000 χ^2/NDF:20332221.3/61

All: 0.011+/-0.000 χ^2/NDF: 40340491.8/116

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.074 χ^2/NDF: 32.6/31

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.099+/-0.065 χ^2/NDF: 44.2/36

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

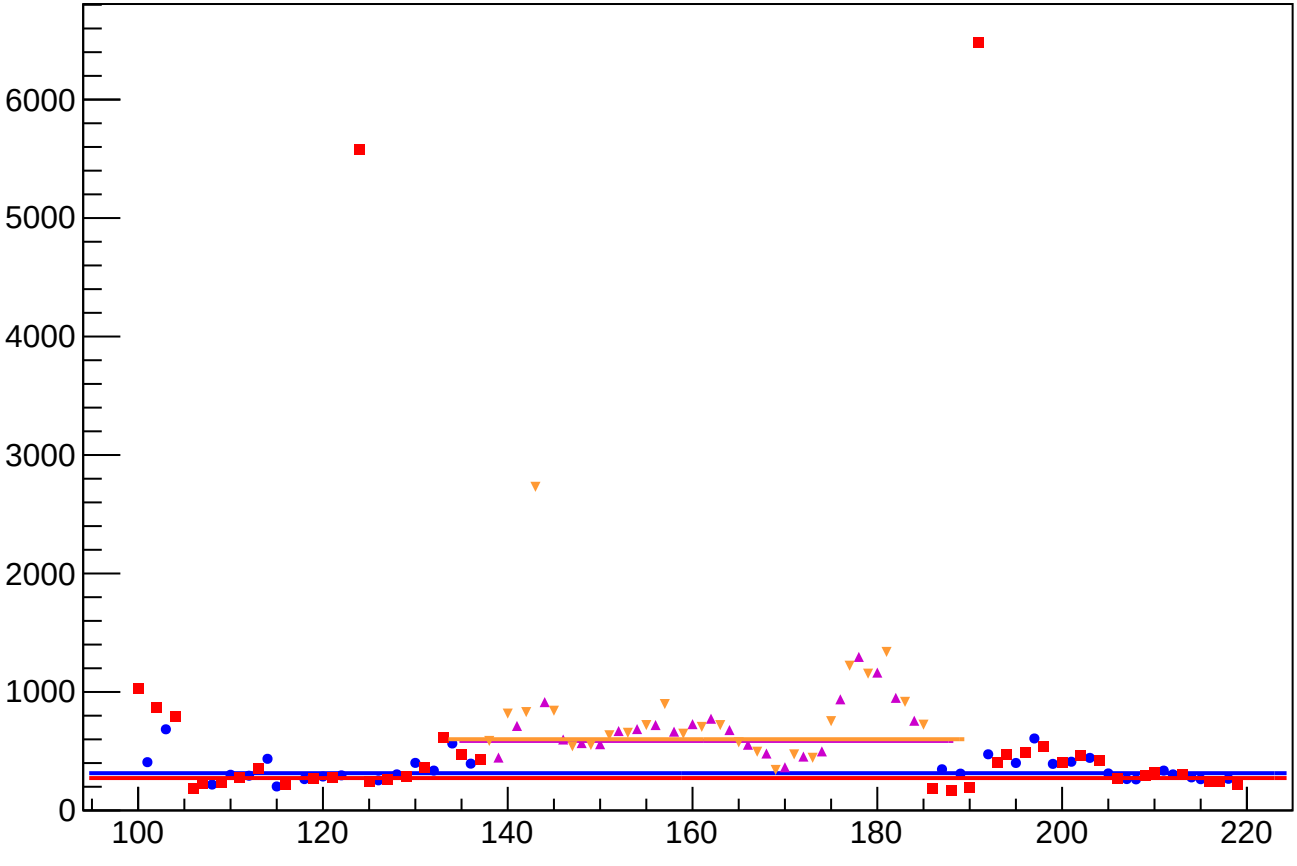
Right: 0.049+/-0.049 χ^2/NDF: 78.1/68

In: -0.039+/-0.066 χ^2/NDF:62.1/54

Out: 0.076+/-0.060 χ^2/NDF:75.1/61

All: 0.024+/-0.044 χ^2/NDF: 138.8/116

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 314.499+/-0.052 χ^2/NDF: 2259825.5/31

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 273.350+/-0.046 χ^2/NDF: 5195957.7/36

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

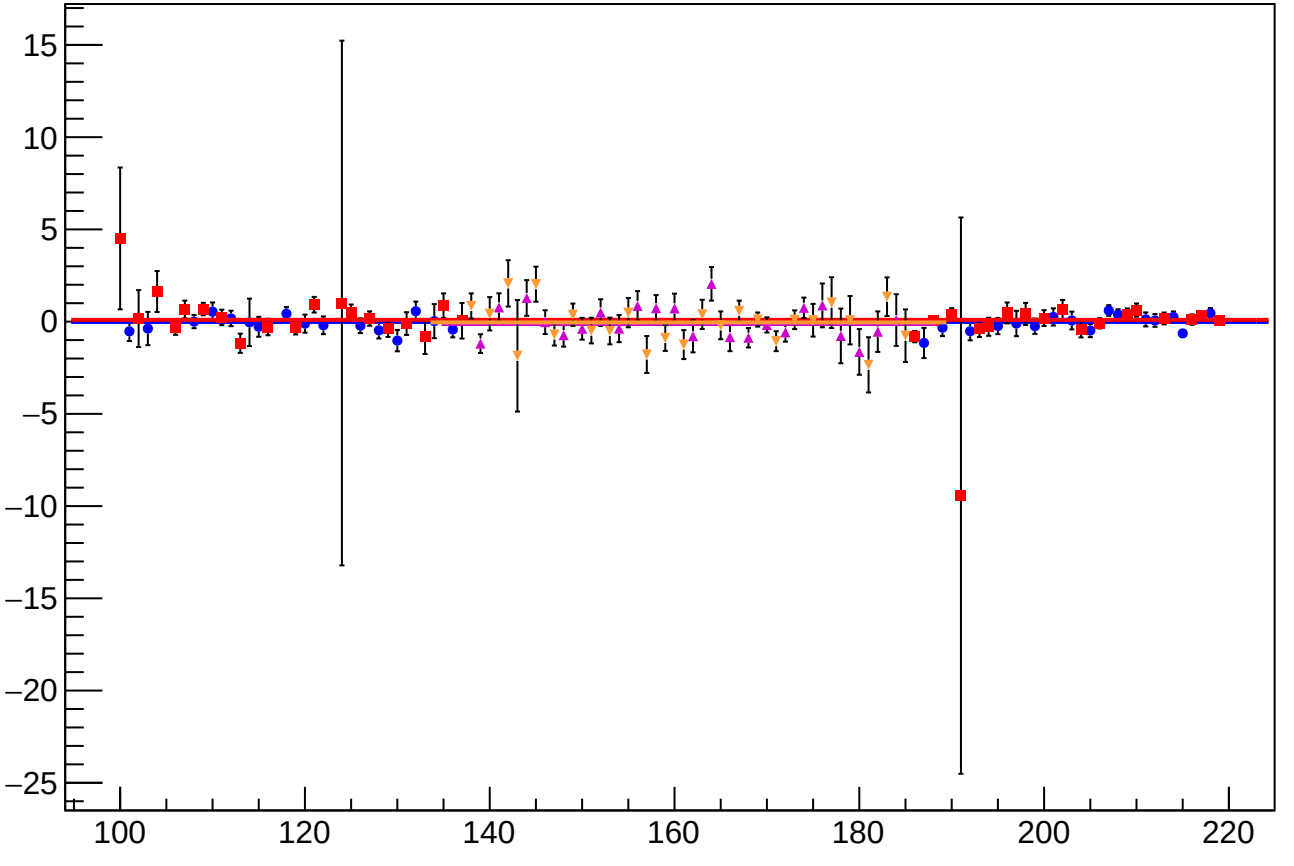
Right: 291.404+/-0.035 χ^2/NDF: 7805528.8/68

In: 370.308+/-0.046 χ^2/NDF:10787638.8/54

Out: 326.901+/-0.042 χ^2/NDF:17922437.0/61

All: 346.493+/-0.031 χ^2/NDF: 29188598.2/11

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.074 χ^2/NDF: 32.6/31

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.099+/-0.065 χ^2/NDF: 44.2/36

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

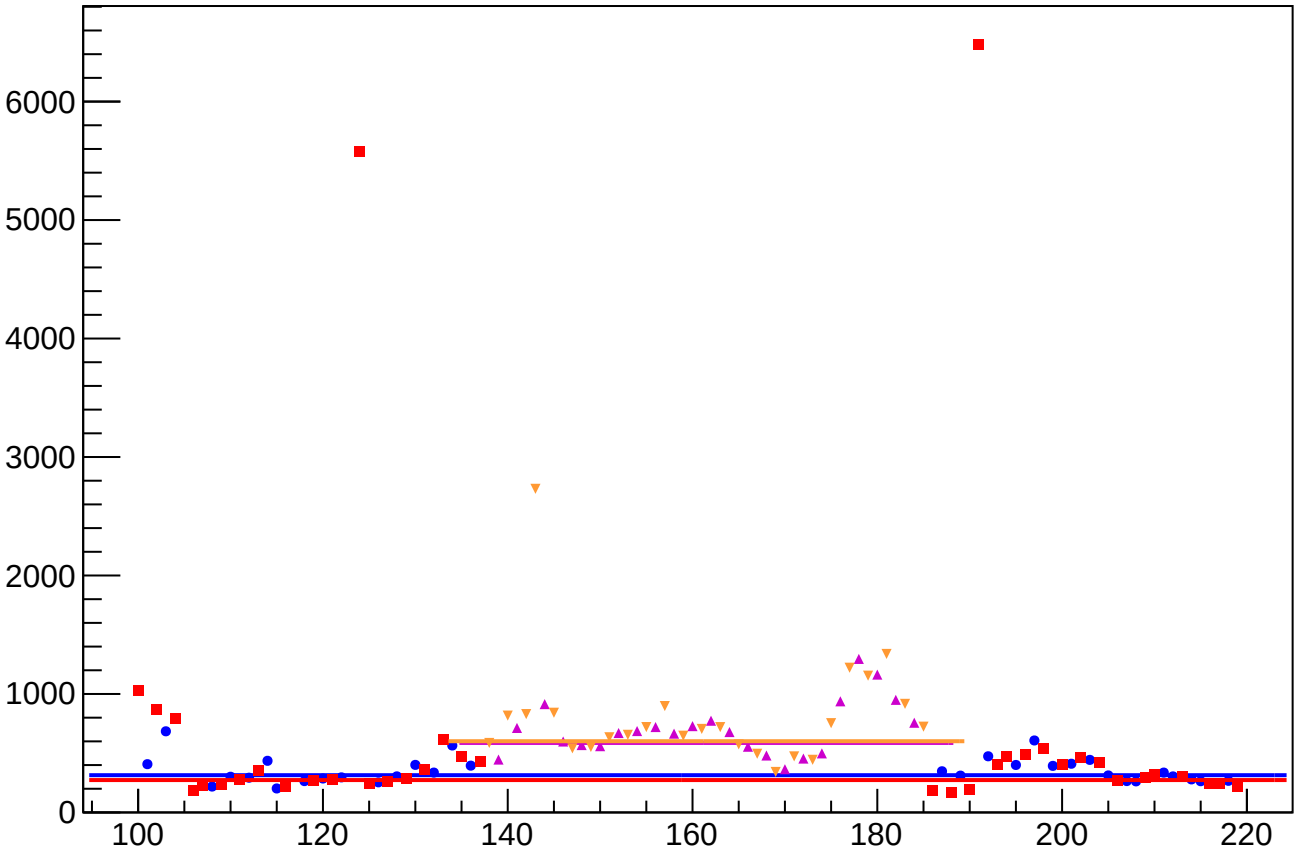
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.049+/-0.049 χ^2/NDF: 78.1/68

In: -0.039+/-0.066 χ^2/NDF:62.1/54

Out: 0.076+/-0.060 χ^2/NDF:75.1/61

All: 0.024+/-0.044 χ^2/NDF: 138.8/116



Right In: 314.499+/-0.052 χ^2/NDF: 2259825.5/31

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 273.350+/-0.046 χ^2/NDF: 5195957.7/36

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

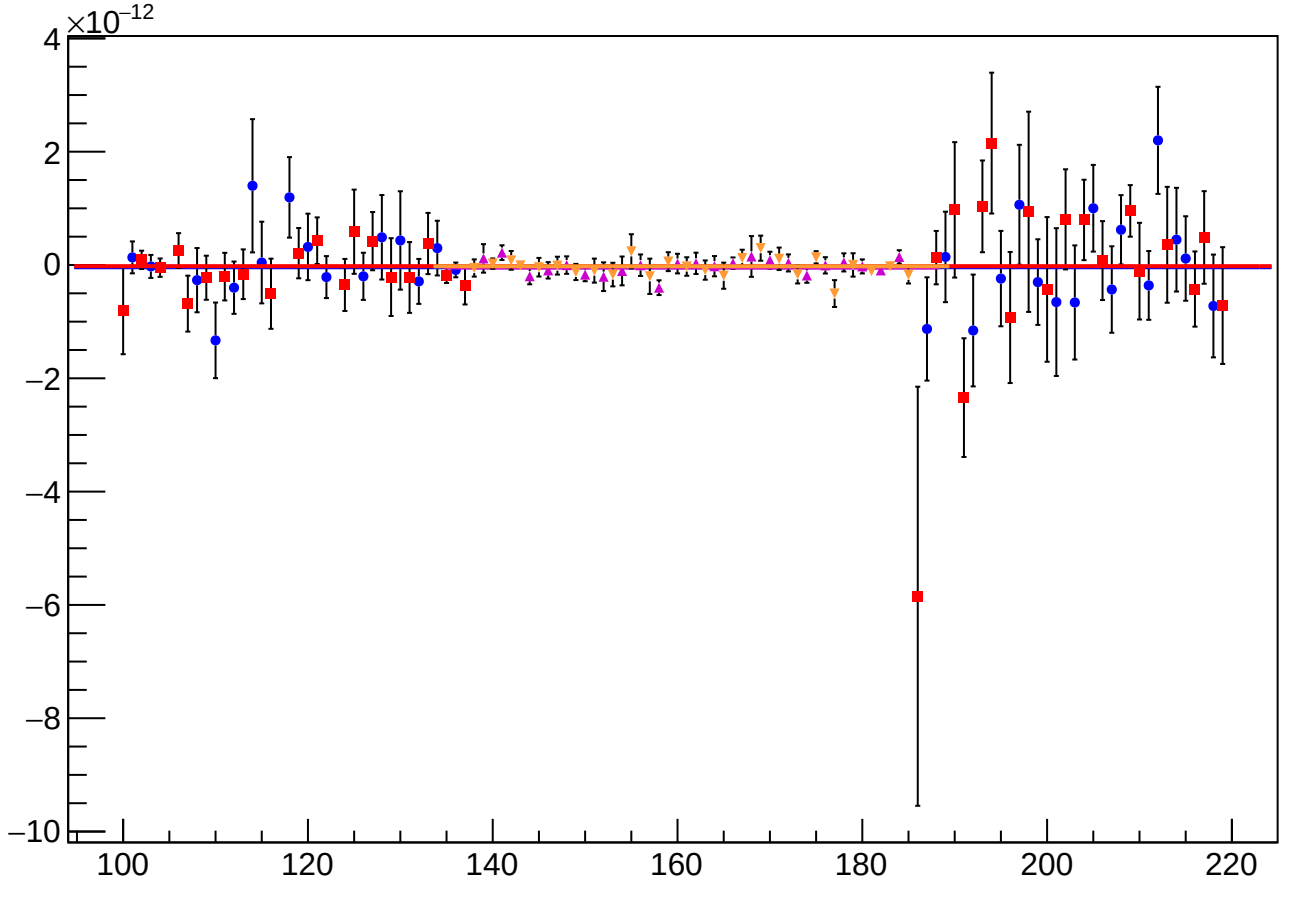
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 291.404+/-0.035 χ^2/NDF: 7805528.8/68

In: 370.308+/-0.046 χ^2/NDF:10787638.8/54

Out: 326.901+/-0.042 χ^2/NDF:17922437.0/61

All: 346.493+/-0.031 χ^2/NDF: 29188598.2/11



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/36

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

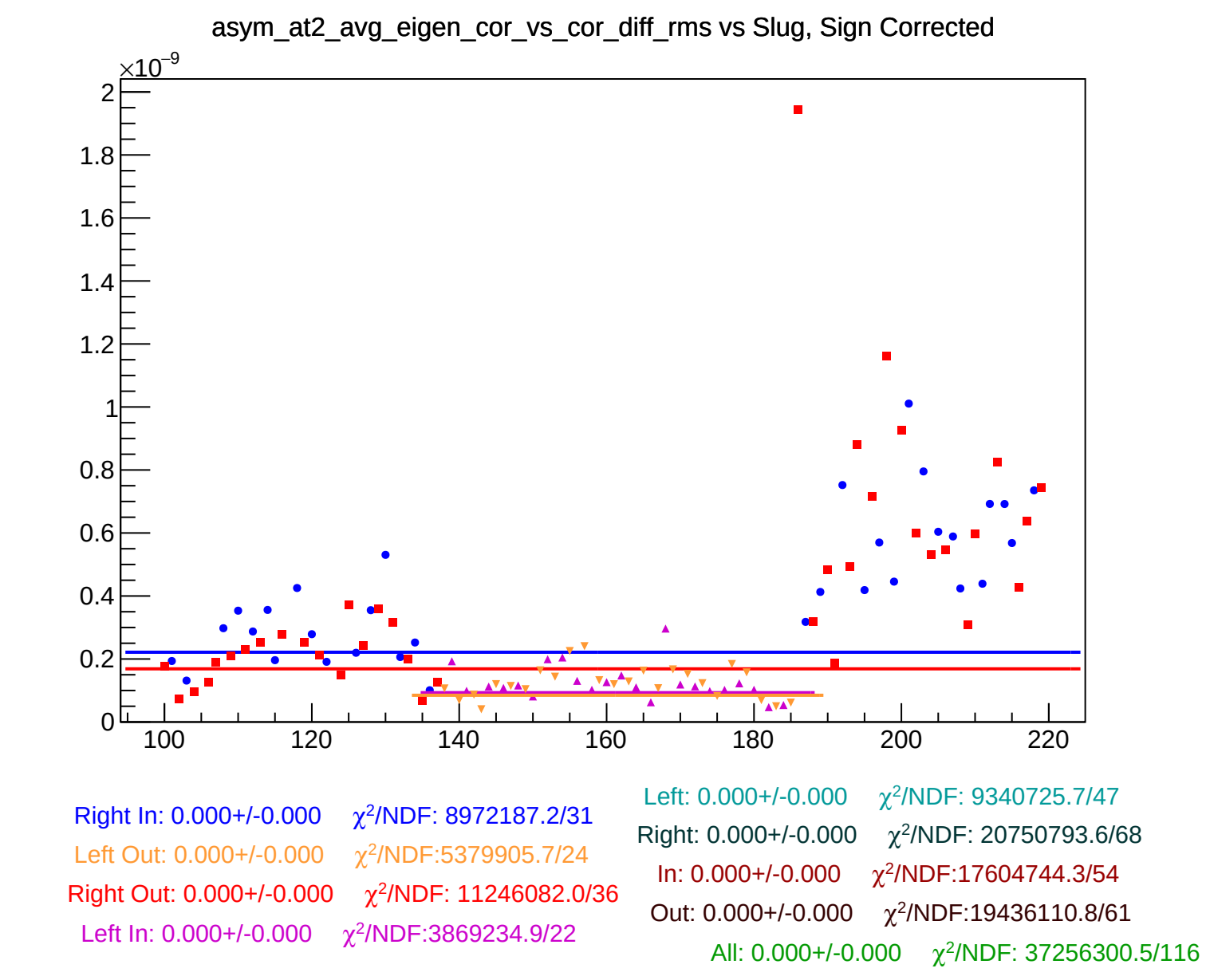
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 60.6/68

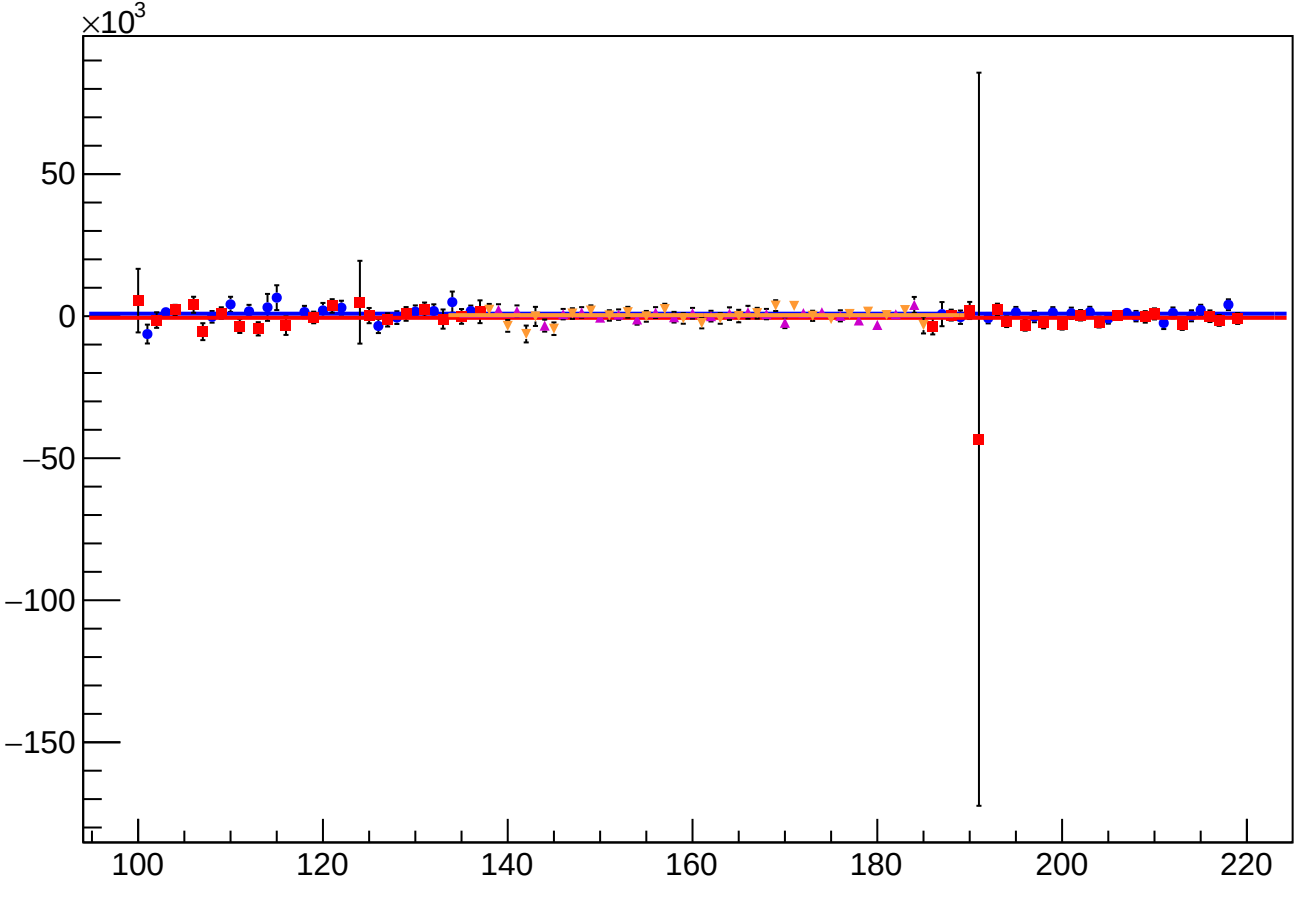
In: -0.000+/-0.000 χ^2/NDF:48.7/54

Out: -0.000+/-0.000 χ^2/NDF:50.2/61

All: -0.000+/-0.000 χ^2/NDF: 99.3/116


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: 8972187.2/31
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 11246082.0/36
Left In: 0.000+/-0.000 χ²/NDF:3869234.9/22
Left: 0.000+/-0.000 χ²/NDF: 9340725.7/47
Right: 0.000+/-0.000 χ²/NDF: 20750793.6/68
In: 0.000+/-0.000 χ²/NDF:17604744.3/54
Out: 0.000+/-0.000 χ²/NDF:19436110.8/61
All: 0.000+/-0.000 χ²/NDF: 37256300.5/116

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 870.724+/-380.188 χ^2/NDF: 23.3/31

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -583.190+/-373.904 χ^2/NDF: 31.3/36

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

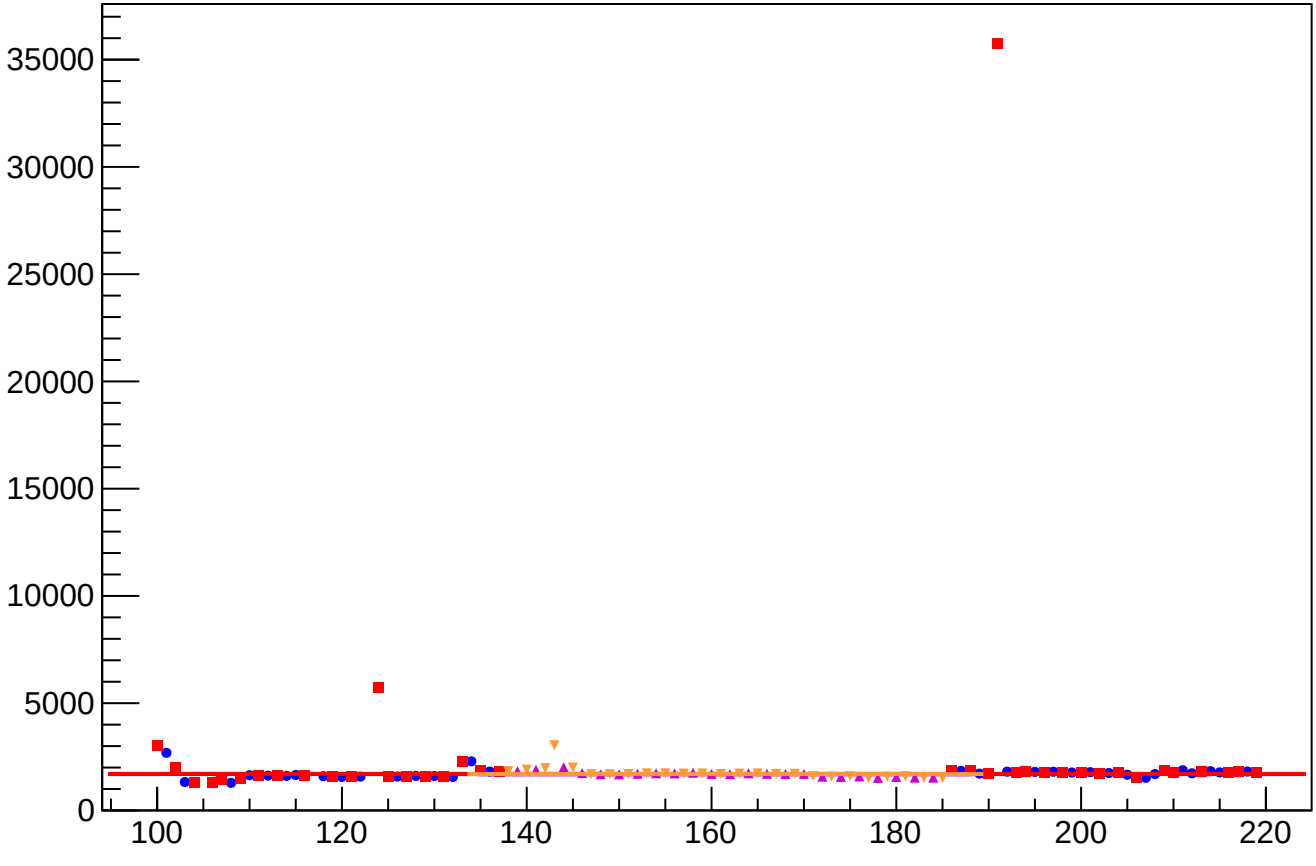
Right: 131.652+/-266.584 χ^2/NDF: 62.1/68

In: 526.838+/-273.672 χ^2/NDF:41.0/54

Out: -128.407+/-269.279 χ^2/NDF:64.0/61

All: 193.914+/-191.943 χ^2/NDF: 107.9/116

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1696.375+/-0.269 χ^2/NDF: 531465.9/31

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1704.462+/-0.264 χ^2/NDF: 734008.5/36

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

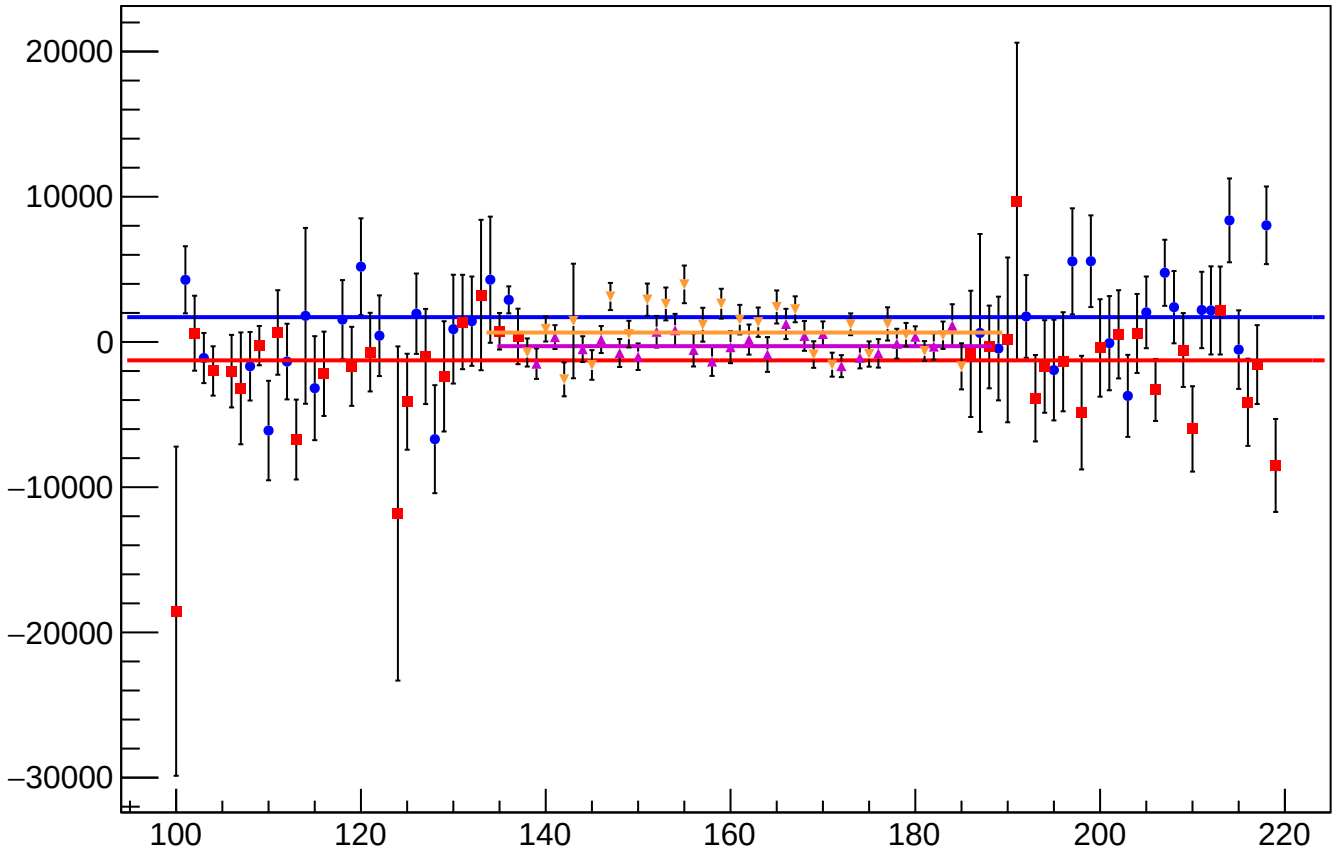
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1700.486+/-0.189 χ^2/NDF: 1265934.4/68

In: 1690.690+/-0.194 χ^2/NDF:697749.7/54

Out: 1701.109+/-0.190 χ^2/NDF:1229740.6/61

All: 1695.984+/-0.136 χ^2/NDF: 1928963.0/11



Right In: 1709.073+/-453.963 χ^2/NDF: 44.5/31

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -1266.534+/-444.047 χ^2/NDF: 29.4/36

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

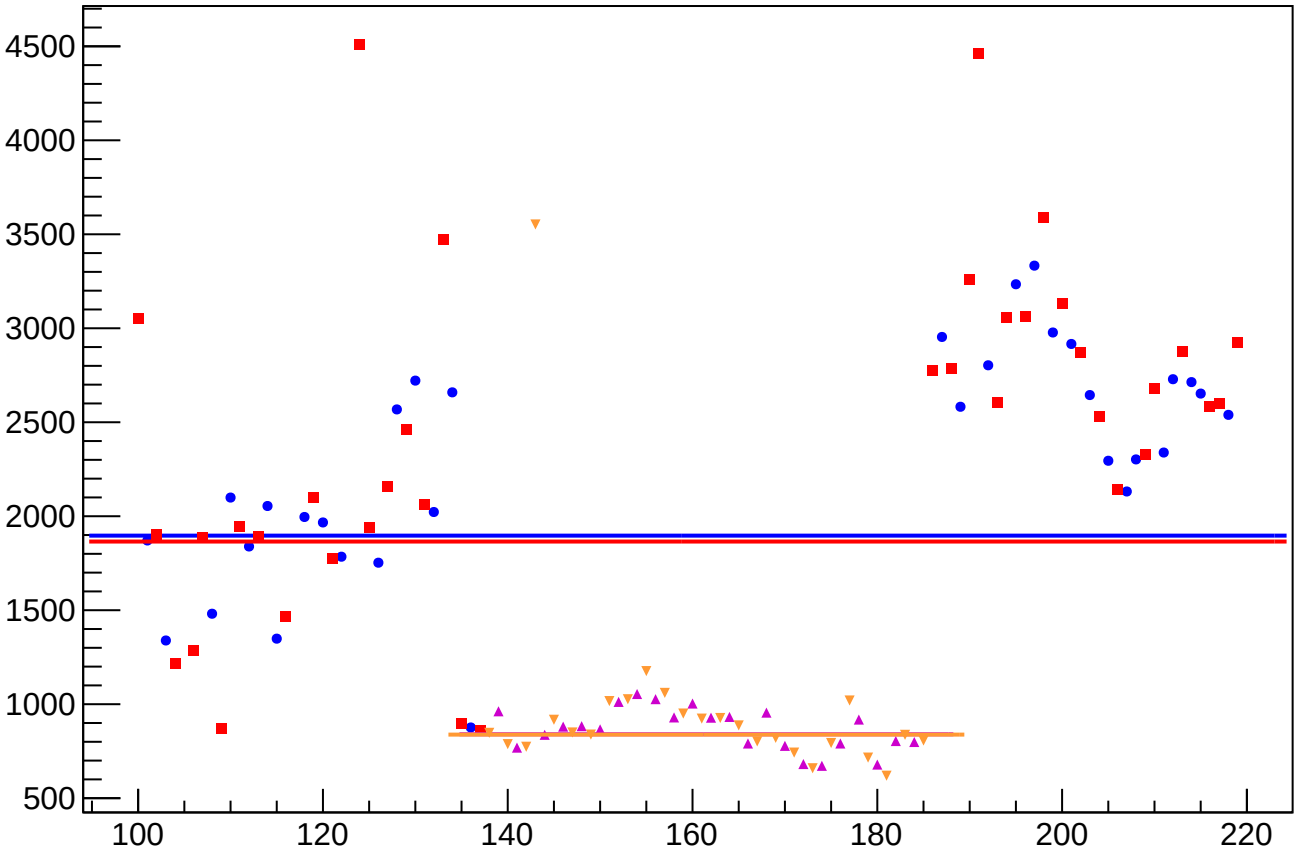
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 188.418+/-317.436 χ^2/NDF: 95.9/68

In: 32.014+/-181.869 χ^2/NDF:77.3/54

Out: 337.669+/-179.057 χ^2/NDF:110.5/61

All: 187.222+/-127.595 χ^2/NDF: 189.2/116



Right In: 1896.811+/-0.321 χ^2/NDF: 5240993.1/31

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1865.351+/-0.314 χ^2/NDF: 6818652.9/36

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

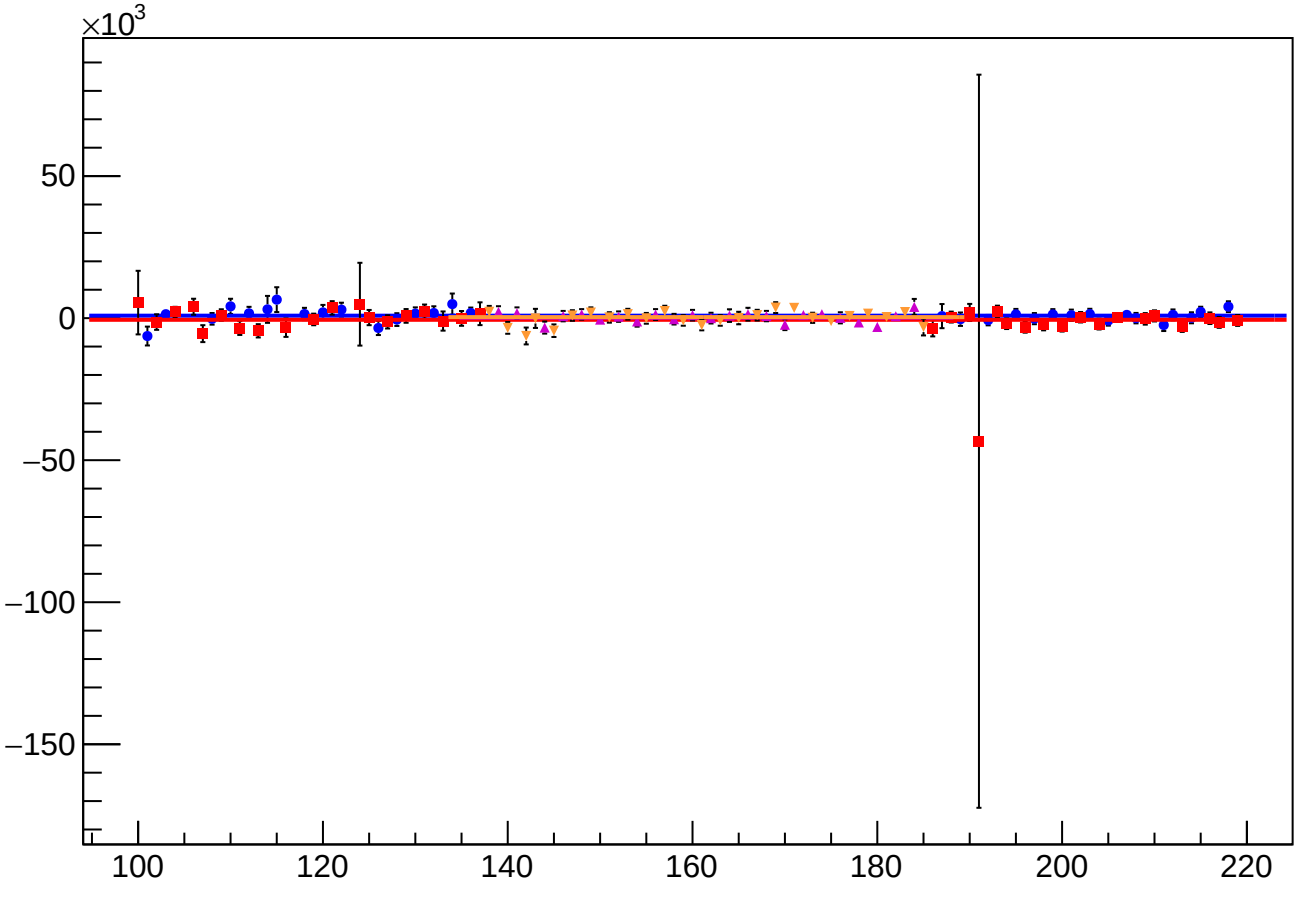
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1880.734+/-0.224 χ^2/NDF: 12064554.7/68

In: 1009.598+/-0.129 χ^2/NDF:15009984.4/54

Out: 1005.252+/-0.127 χ^2/NDF:17579477.3/61

All: 1007.391+/-0.090 χ^2/NDF: 32590041.7/1



Right In: 870.766+/-380.188 χ^2/NDF: 23.3/31

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -583.280+/-373.904 χ^2/NDF: 31.3/36

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

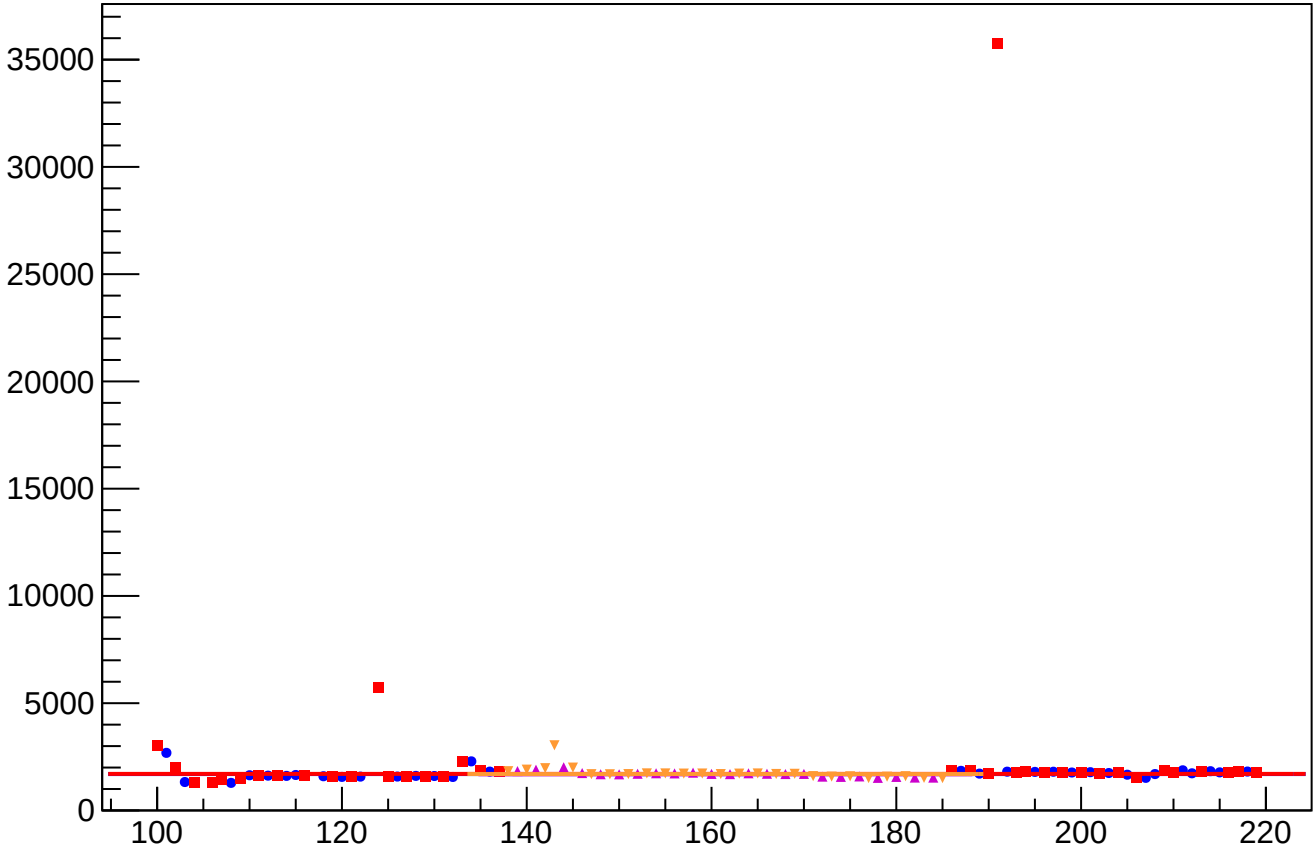
Right: 131.628+/-266.584 χ^2/NDF: 62.1/68

In: 526.815+/-273.672 χ^2/NDF:41.0/54

Out: -128.494+/-269.279 χ^2/NDF:64.0/61

All: 193.859+/-191.943 χ^2/NDF: 107.9/116

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1696.375+/-0.269 χ^2/NDF: 531466.3/31

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1704.462+/-0.264 χ^2/NDF: 734008.7/36

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

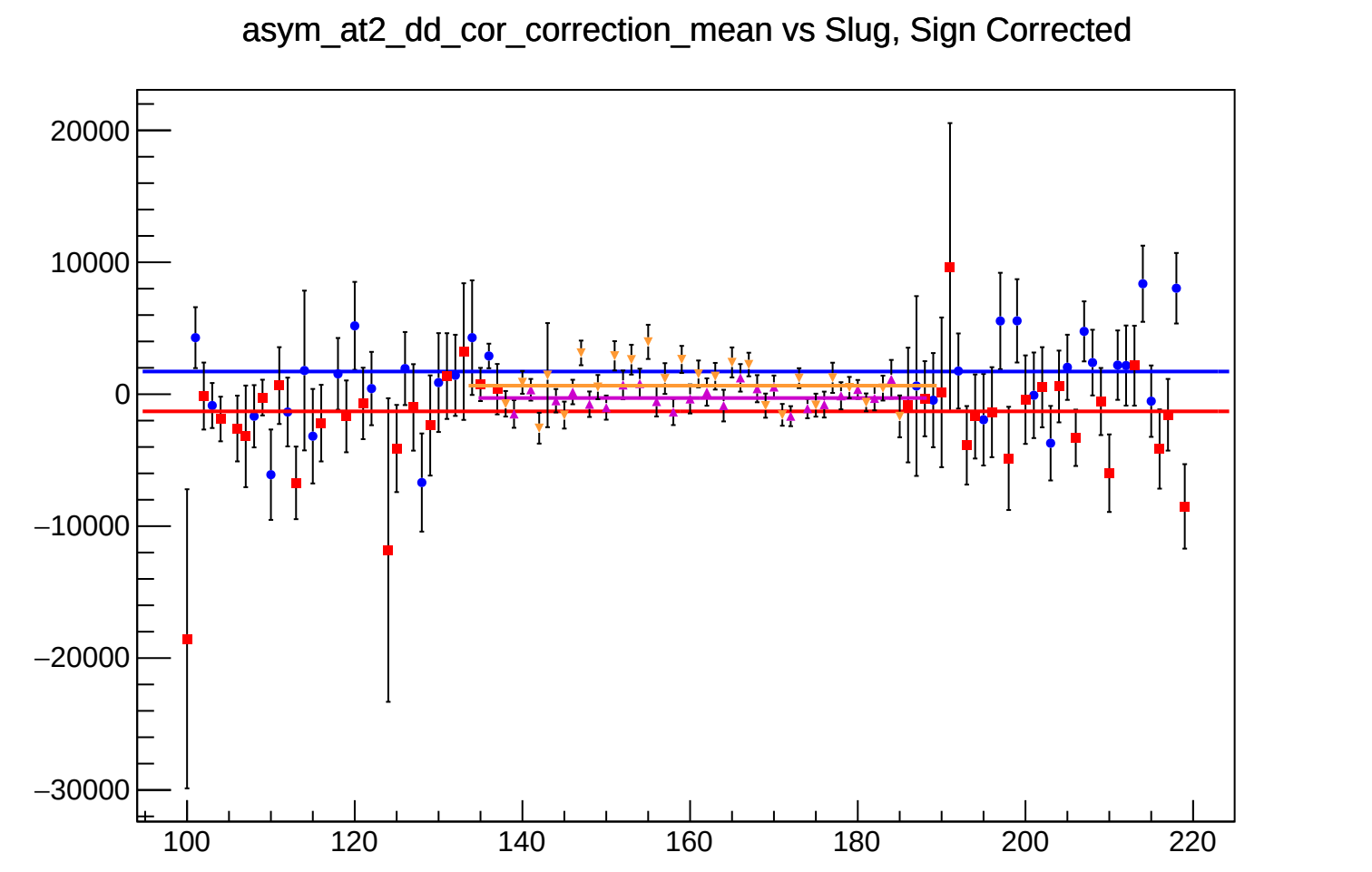
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1700.486+/-0.189 χ^2/NDF: 1265935.0/68

In: 1690.690+/-0.194 χ^2/NDF:697750.0/54

Out: 1701.109+/-0.190 χ^2/NDF:1229740.7/61

All: 1695.984+/-0.136 χ^2/NDF: 1928963.5/11



Right In: 1722.251+/-453.566 χ^2/NDF: 44.1/31

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -1298.704+/-443.658 χ^2/NDF: 29.2/36

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

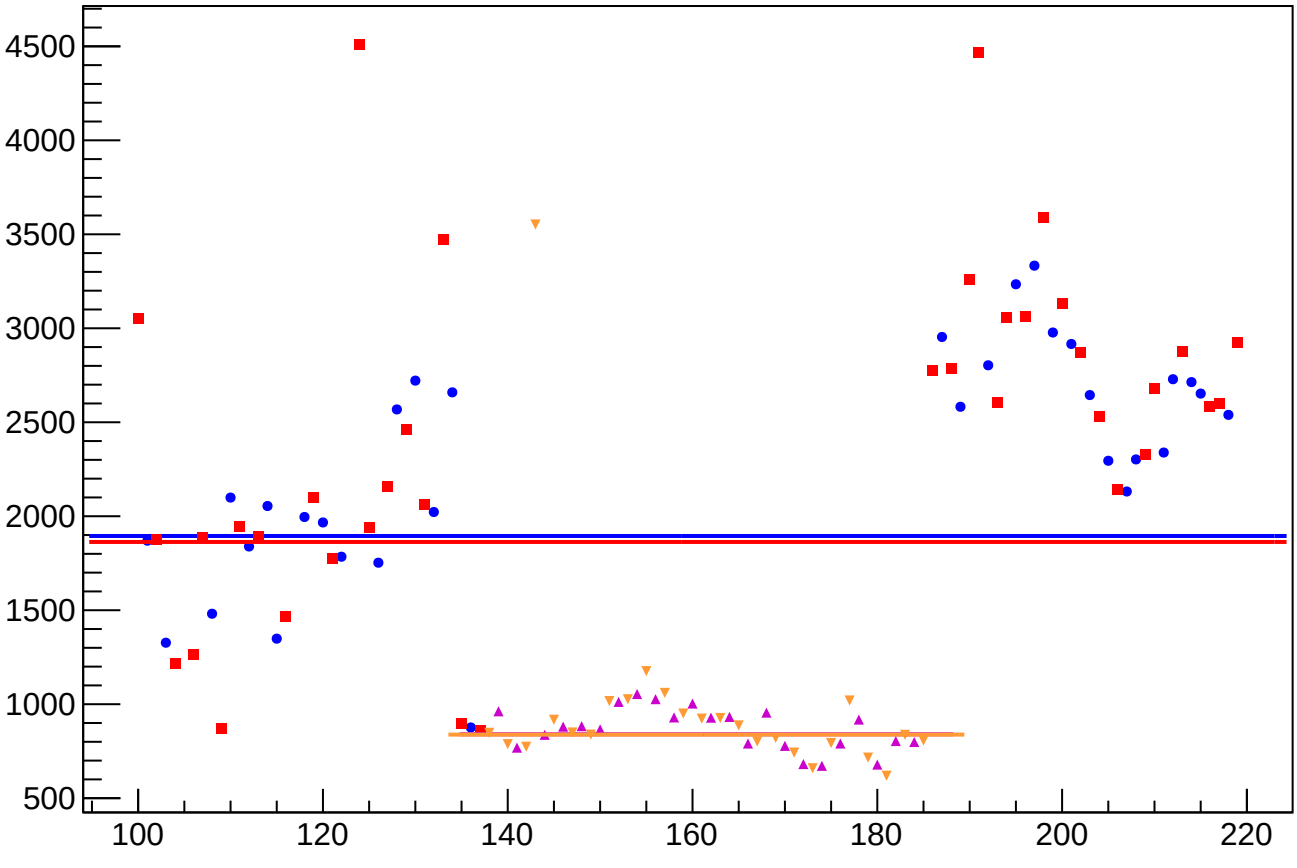
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 178.415+/-317.159 χ^2/NDF: 96.0/68

In: 34.615+/-181.843 χ^2/NDF:77.1/54

Out: 331.966+/-179.033 χ^2/NDF:110.9/61

All: 185.606+/-127.578 χ^2/NDF: 189.4/116



Right In: 1894.993+/-0.321 χ^2/NDF: 5255189.3/31

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1863.201+/-0.314 χ^2/NDF: 6831627.9/36

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

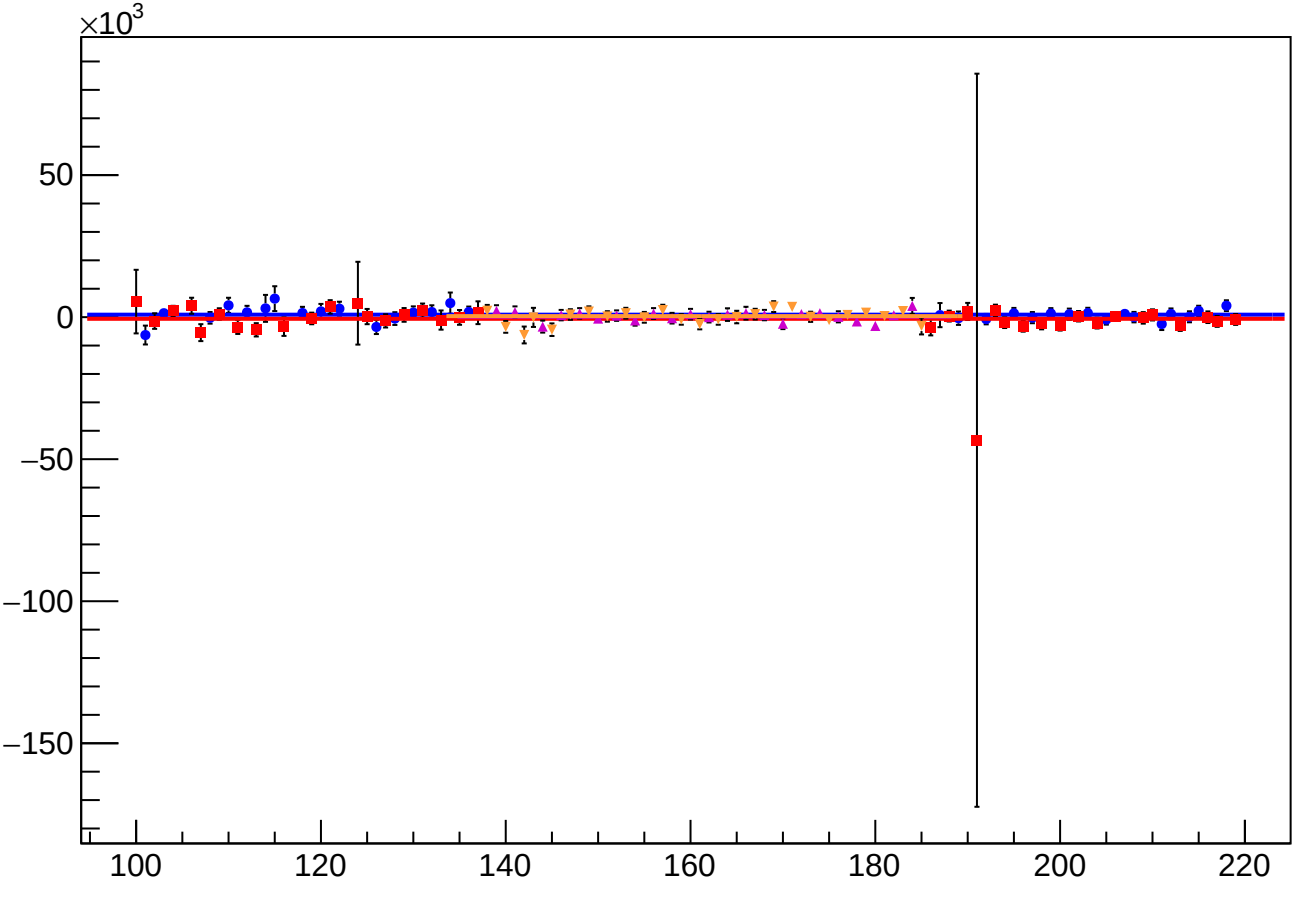
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1878.745+/-0.224 χ^2/NDF: 12091838.7/68

In: 1009.557+/-0.129 χ^2/NDF:15006149.6/54

Out: 1005.160+/-0.127 χ^2/NDF:17567765.3/61

All: 1007.325+/-0.090 χ^2/NDF: 32574508.6/1



Right In: 870.766+/-380.188 χ^2/NDF: 23.3/31

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -583.280+/-373.904 χ^2/NDF: 31.3/36

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

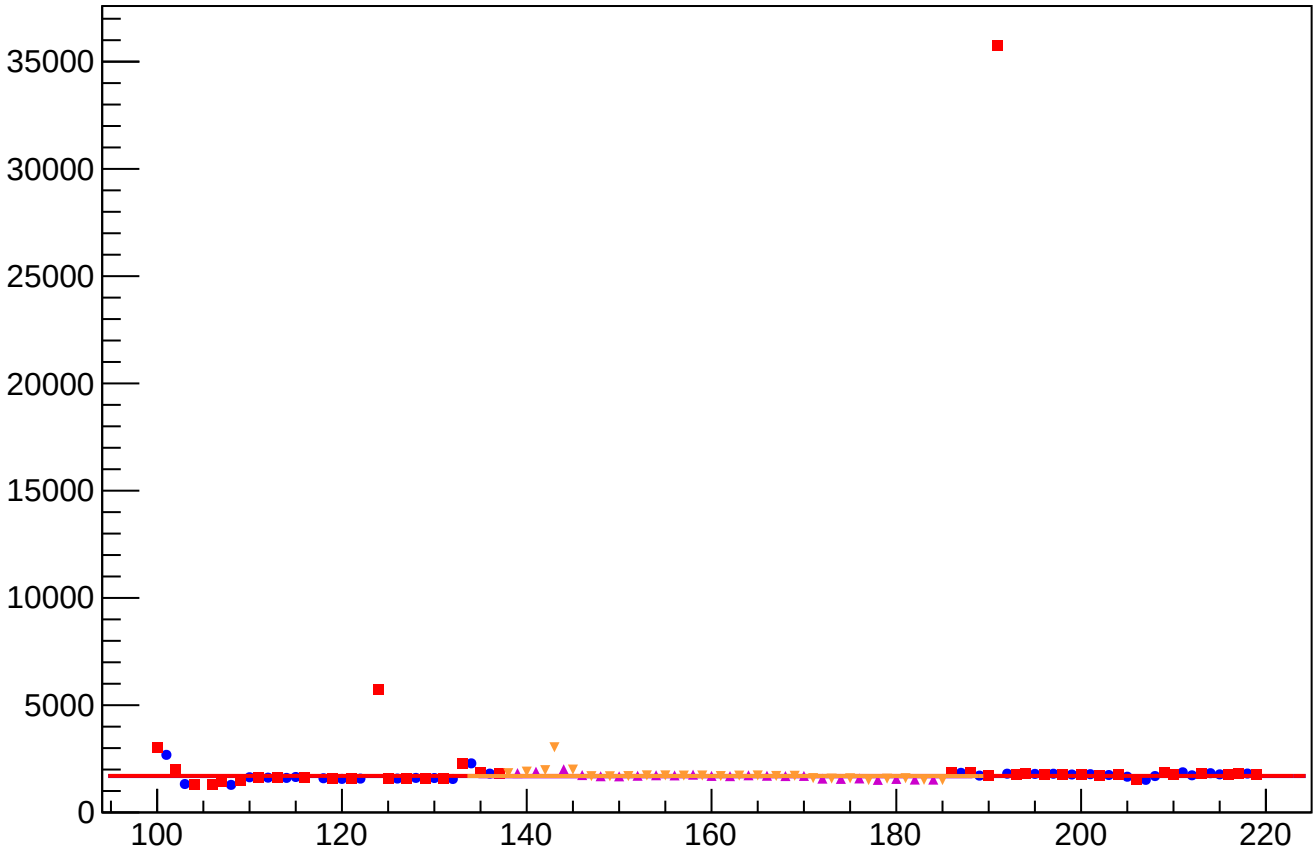
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 131.628+/-266.584 χ^2/NDF: 62.1/68

In: 526.815+/-273.672 χ^2/NDF:41.0/54

Out: -128.494+/-269.279 χ^2/NDF:64.0/61

All: 193.859+/-191.943 χ^2/NDF: 107.9/116



Right In: 1696.375+/-0.269 χ^2/NDF: 531466.3/31

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1704.462+/-0.264 χ^2/NDF: 734008.7/36

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

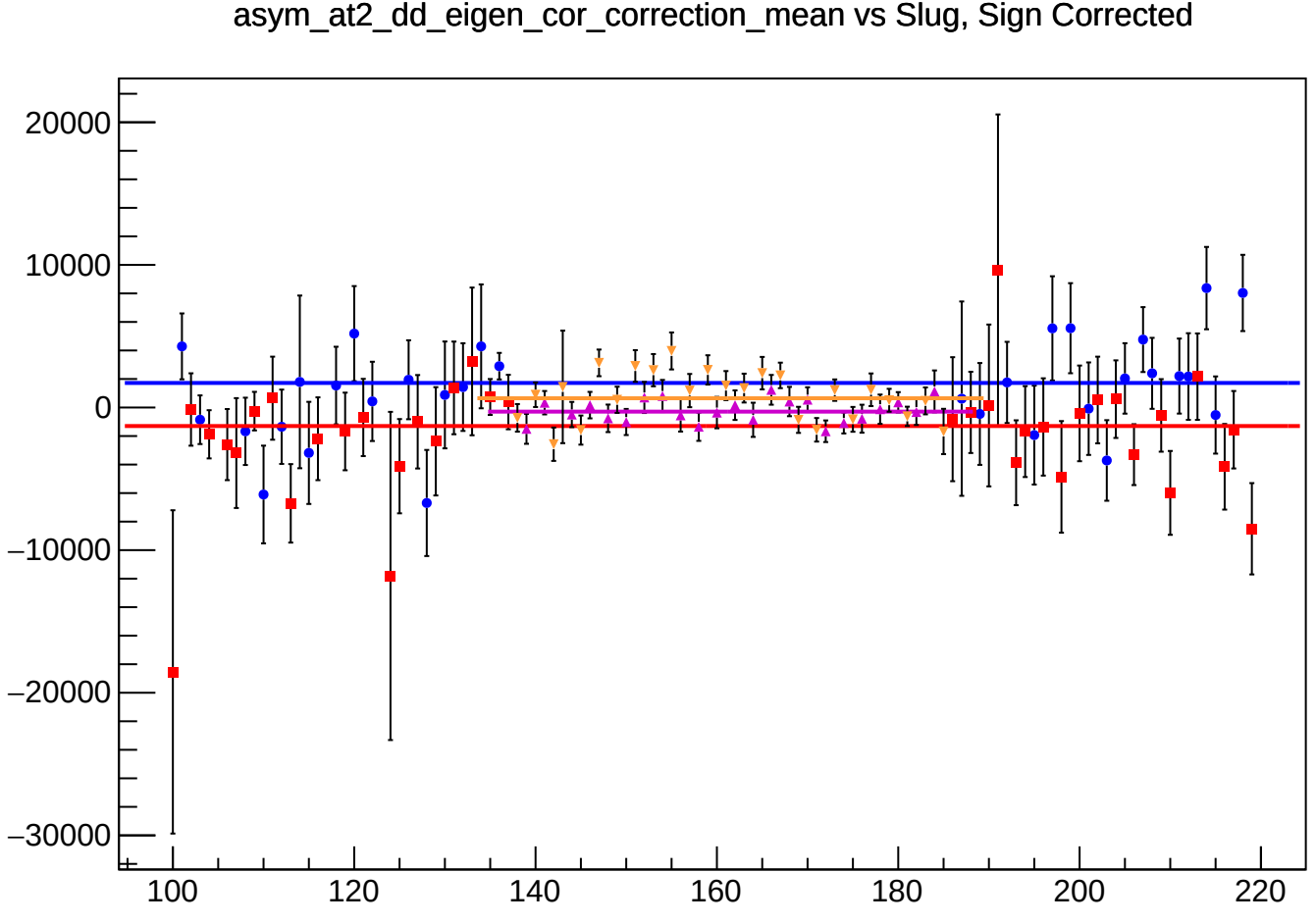
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1700.486+/-0.189 χ^2/NDF: 1265935.0/68

In: 1690.690+/-0.194 χ^2/NDF:697750.0/54

Out: 1701.109+/-0.190 χ^2/NDF:1229740.7/61

All: 1695.984+/-0.136 χ^2/NDF: 1928963.5/11



Right In: 1722.251+/-453.566 χ^2/NDF: 44.1/31

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -1298.704+/-443.658 χ^2/NDF: 29.2/36

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

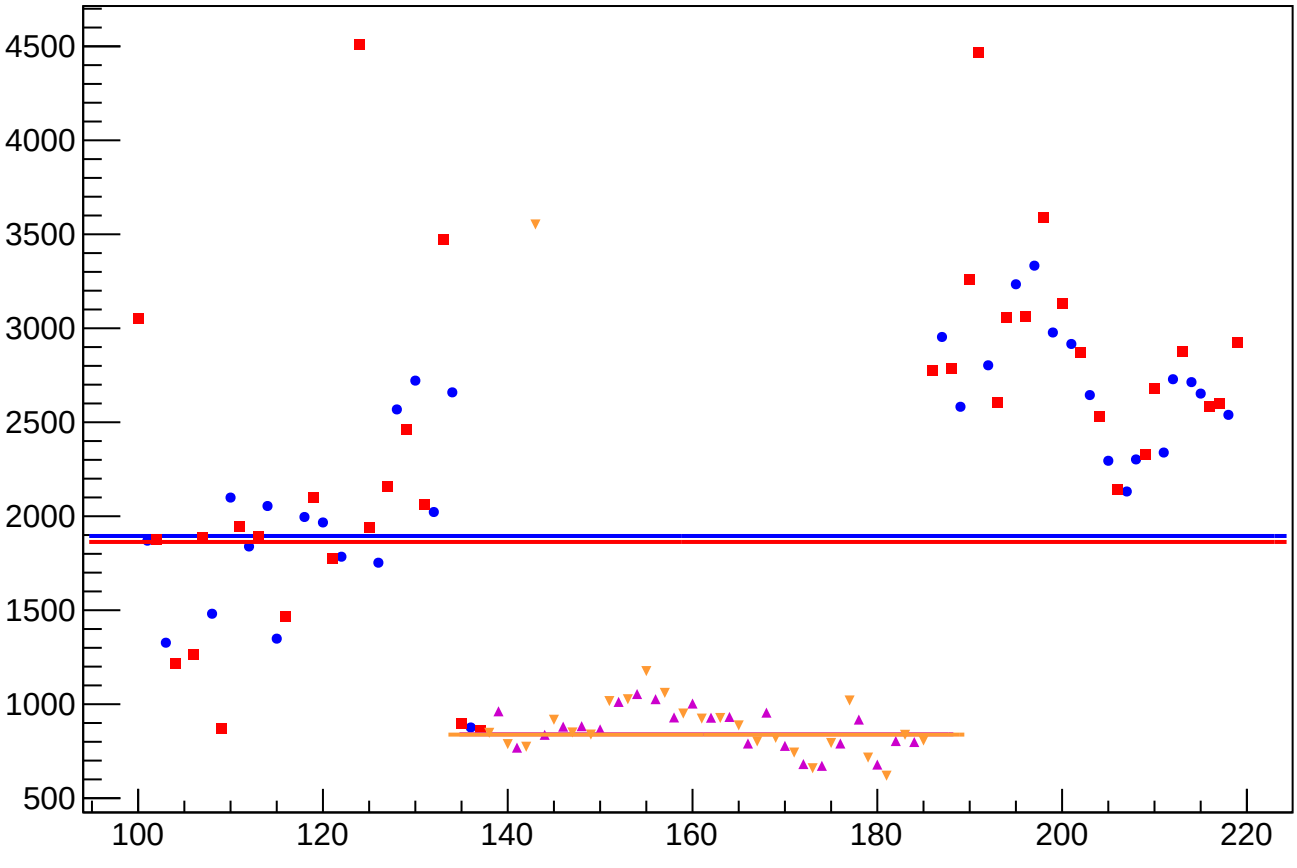
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 178.415+/-317.159 χ^2/NDF: 96.0/68

In: 34.615+/-181.843 χ^2/NDF:77.1/54

Out: 331.966+/-179.033 χ^2/NDF:110.9/61

All: 185.606+/-127.578 χ^2/NDF: 189.4/116



Right In: 1894.993+/-0.321 χ^2/NDF: 5255189.3/31

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1863.201+/-0.314 χ^2/NDF: 6831627.9/36

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

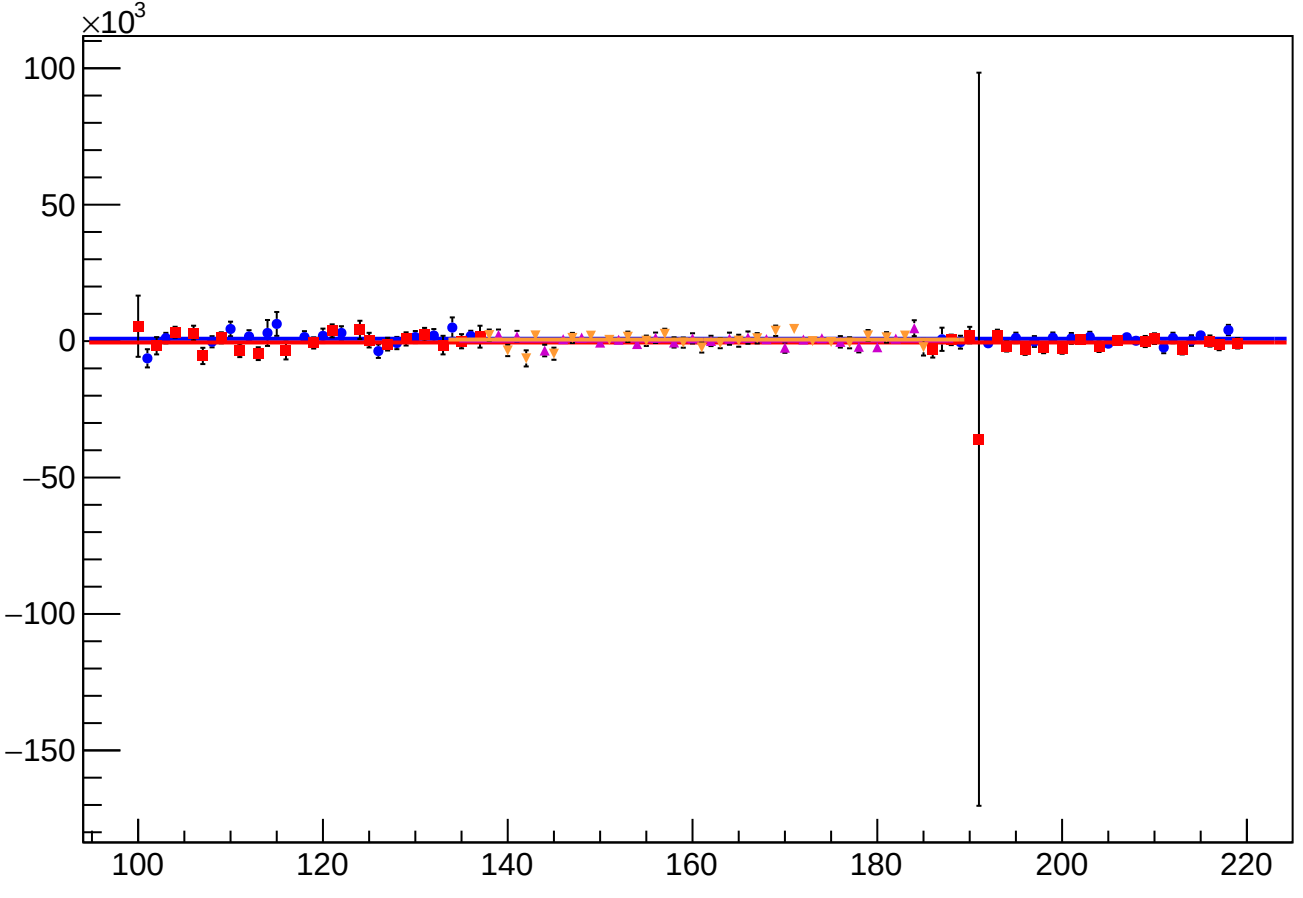
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1878.745+/-0.224 χ^2/NDF: 12091838.7/68

In: 1009.557+/-0.129 χ^2/NDF:15006149.6/54

Out: 1005.160+/-0.127 χ^2/NDF:17567765.3/61

All: 1007.325+/-0.090 χ^2/NDF: 32574508.6/



Right In: 867.055+/-382.540 χ^2/NDF: 23.8/31

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: -500.993+/-374.351 χ^2/NDF: 33.7/36

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

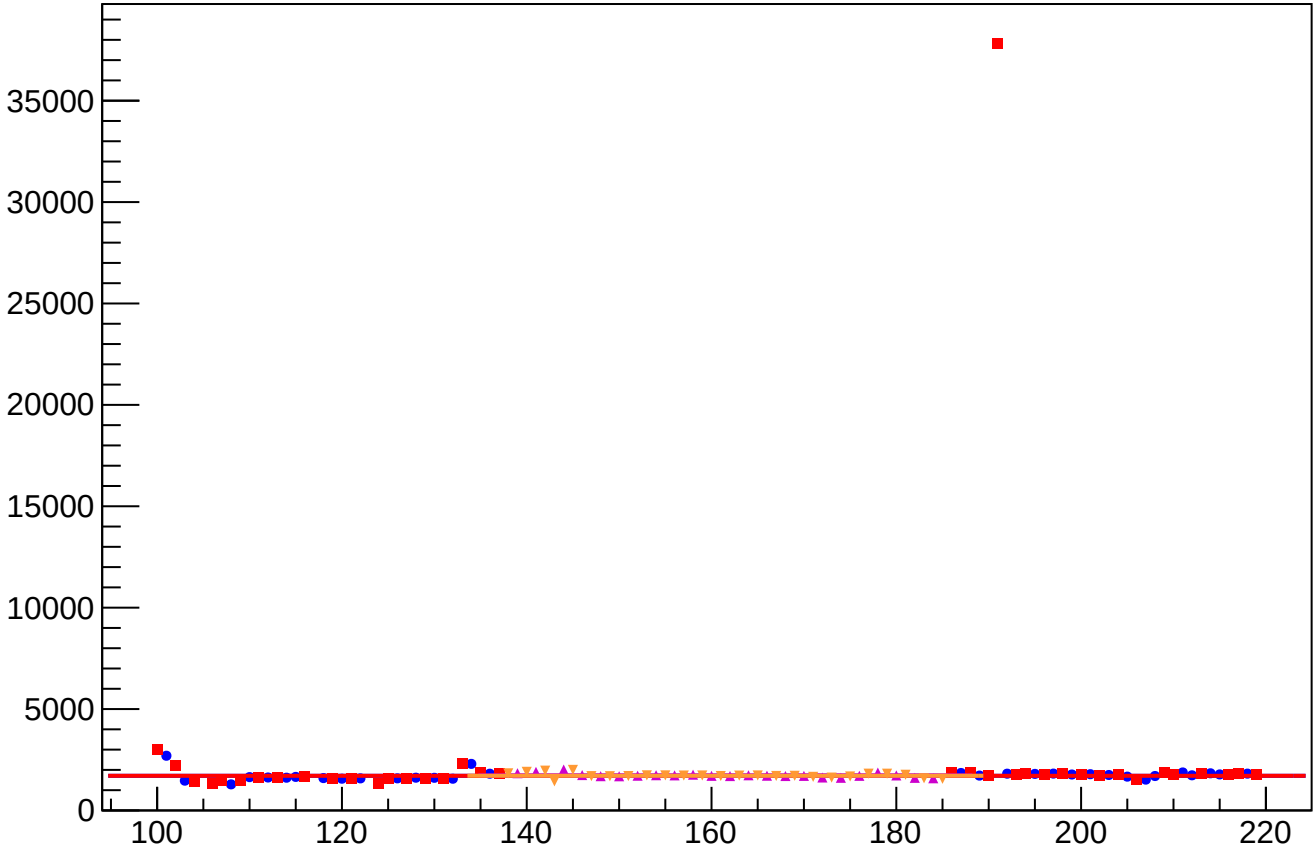
Right: 168.231+/-267.555 χ^2/NDF: 64.0/68

In: 545.097+/-277.804 χ^2/NDF:39.7/54

Out: 17.845+/-269.992 χ^2/NDF:69.7/61

All: 273.953+/-193.616 χ^2/NDF: 111.2/116

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1708.171+/-0.270 χ^2/NDF: 471490.8/31

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1709.037+/-0.265 χ^2/NDF: 592570.8/36

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

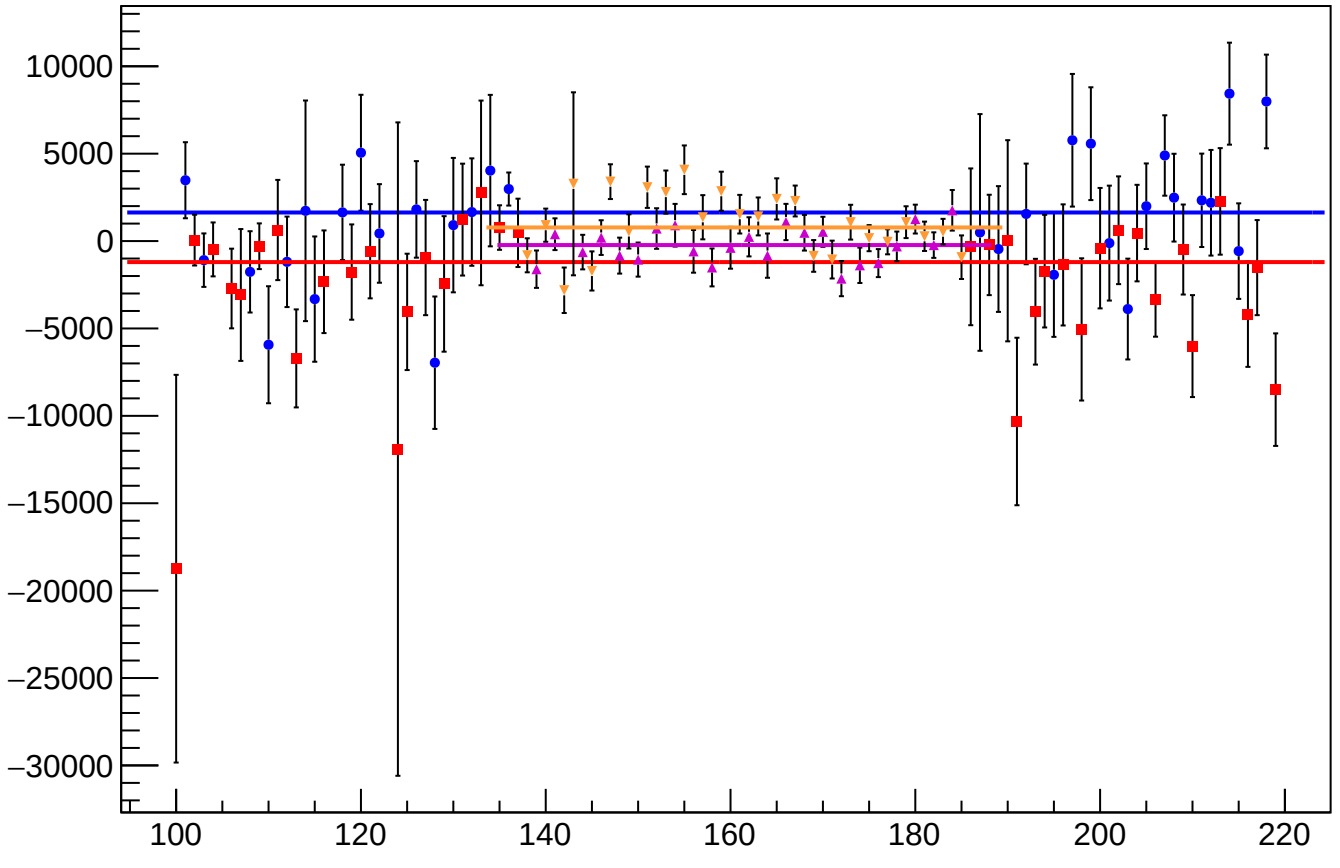
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1708.613+/-0.189 χ^2/NDF: 1064066.8/68

In: 1717.501+/-0.196 χ^2/NDF:574235.0/54

Out: 1710.320+/-0.191 χ^2/NDF:760626.1/61

All: 1713.808+/-0.137 χ^2/NDF: 1335548.3/11



Right In: 1634.439+/-452.107 χ^2/NDF: 44.9/31

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -1203.023+/-426.358 χ^2/NDF: 32.2/36

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

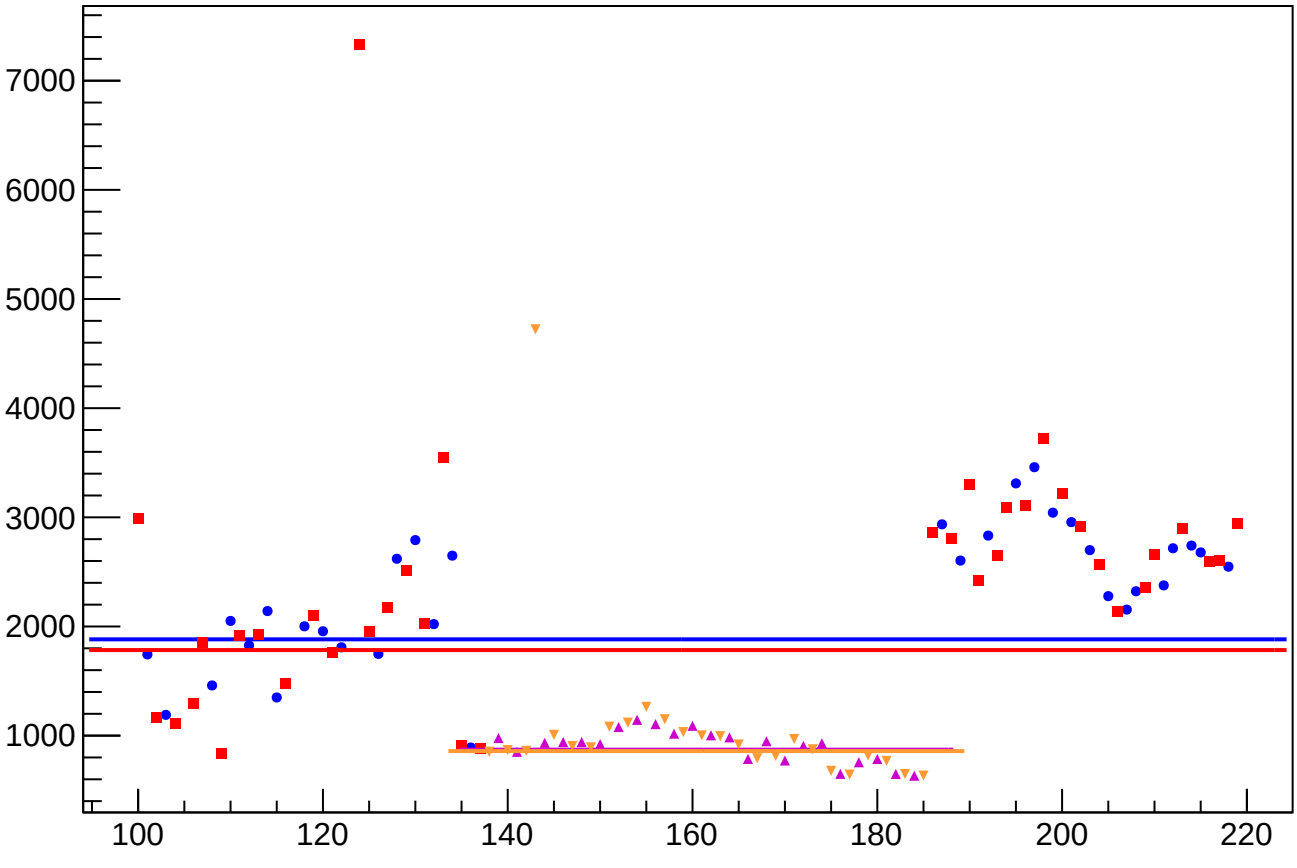
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: 132.610+/-310.184 χ^2/NDF: 98.0/68

In: 93.275+/-187.987 χ^2/NDF:81.6/54

Out: 416.691+/-182.283 χ^2/NDF:104.4/61

All: 259.964+/-130.864 χ^2/NDF: 187.5/116



Right In: 1882.223+/-0.320 χ^2/NDF: 5474161.1/31

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1783.920+/-0.301 χ^2/NDF: 7592197.6/36

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

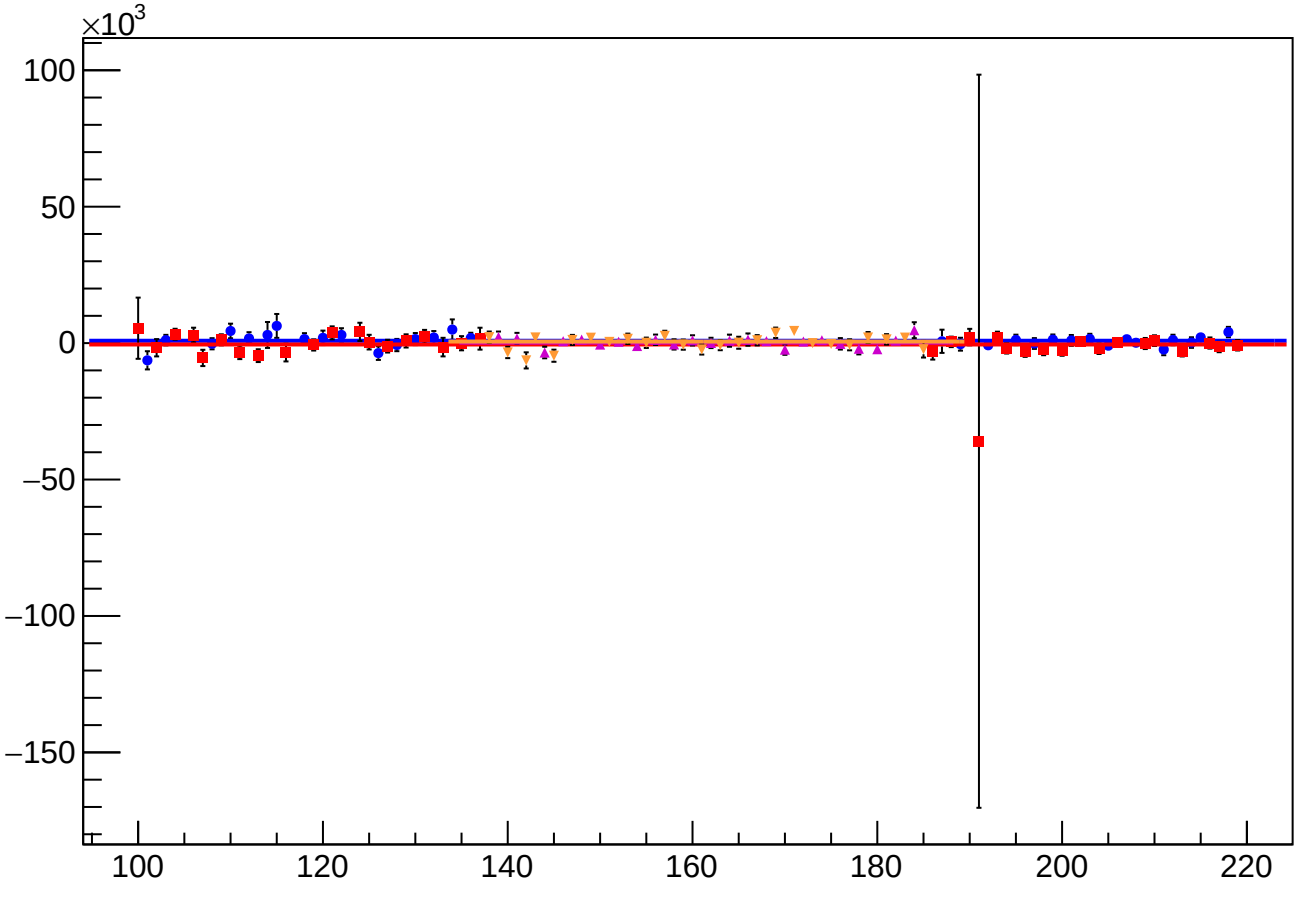
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1830.193+/-0.219 χ^2/NDF: 13116405.5/68

In: 1046.268+/-0.133 χ^2/NDF:14720595.4/54

Out: 1027.730+/-0.129 χ^2/NDF:17570500.7/61

All: 1036.714+/-0.093 χ^2/NDF: 32301120.0/



Right In: 867.047+/-382.540 χ^2/NDF: 23.8/31

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: -500.989+/-374.351 χ^2/NDF: 33.7/36

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

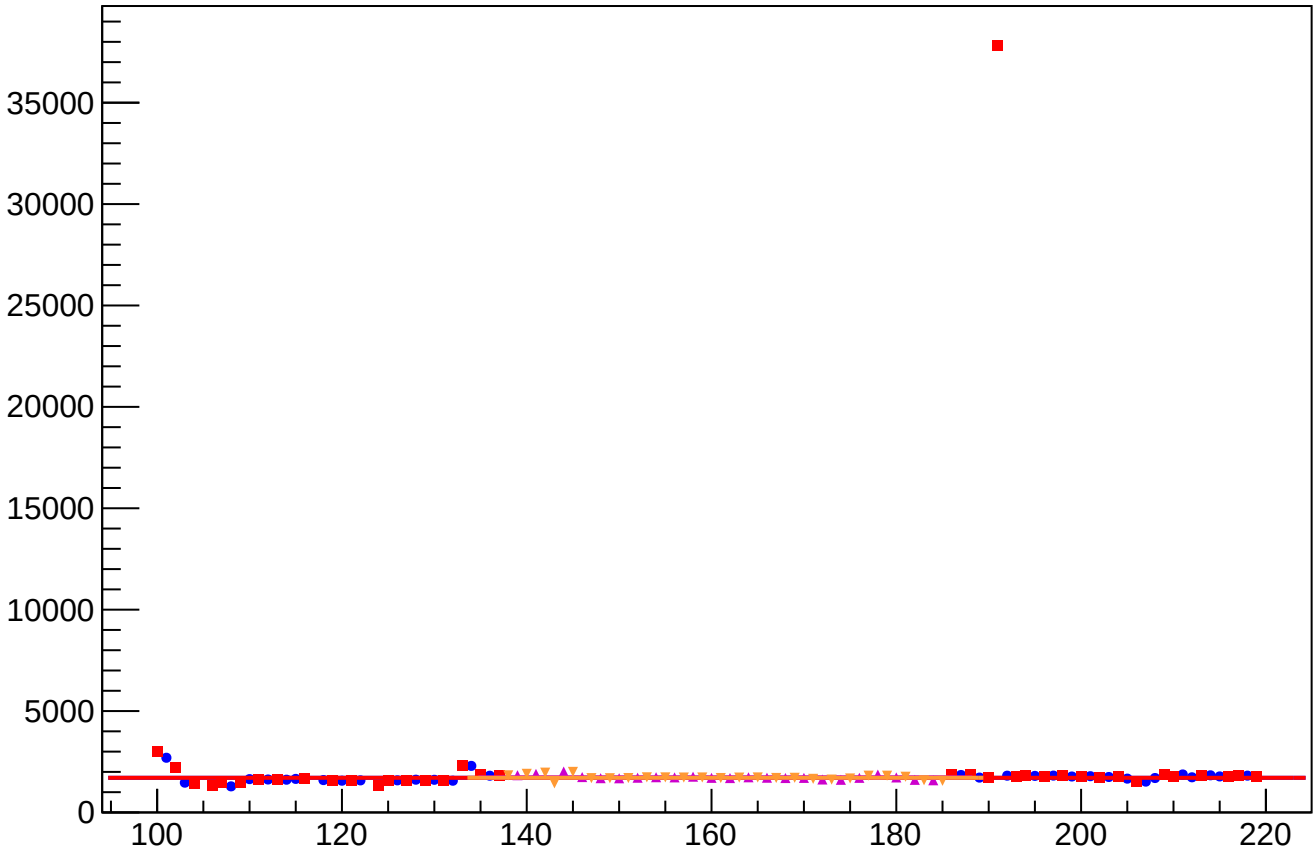
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 168.230+/-267.555 χ^2/NDF: 64.0/68

In: 545.093+/-277.804 χ^2/NDF:39.7/54

Out: 17.845+/-269.992 χ^2/NDF:69.7/61

All: 273.952+/-193.616 χ^2/NDF: 111.2/116



Right In: 1708.171+/-0.270 χ^2/NDF: 471490.6/31

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1709.037+/-0.265 χ^2/NDF: 592570.9/36

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

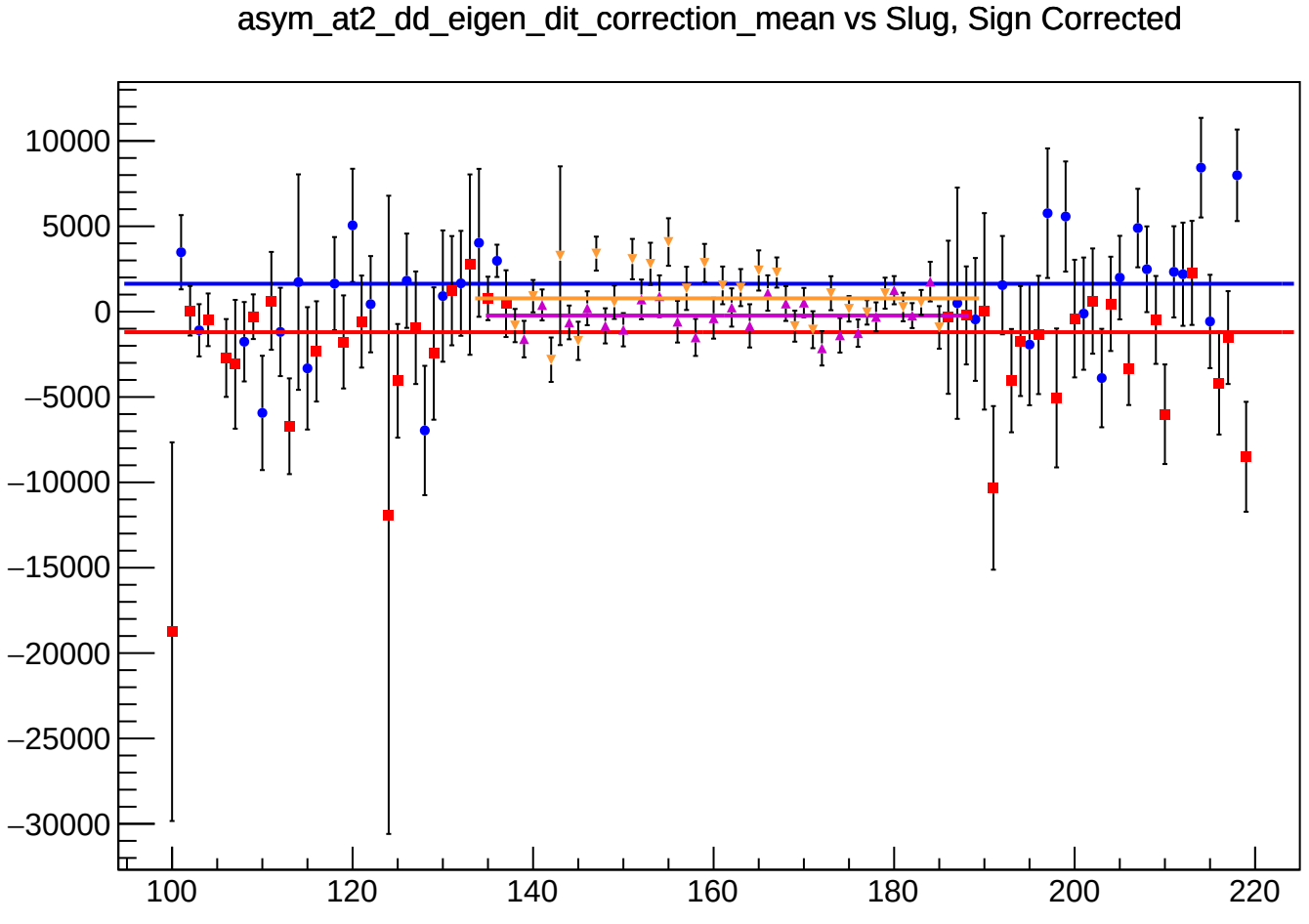
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1708.613+/-0.189 χ^2/NDF: 1064066.8/68

In: 1717.501+/-0.196 χ^2/NDF:574234.7/54

Out: 1710.320+/-0.191 χ^2/NDF:760625.1/61

All: 1713.808+/-0.137 χ^2/NDF: 1335547.0/11



Right In: 1634.440+/-452.108 χ^2/NDF: 44.9/31

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -1203.035+/-426.360 χ^2/NDF: 32.2/36

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

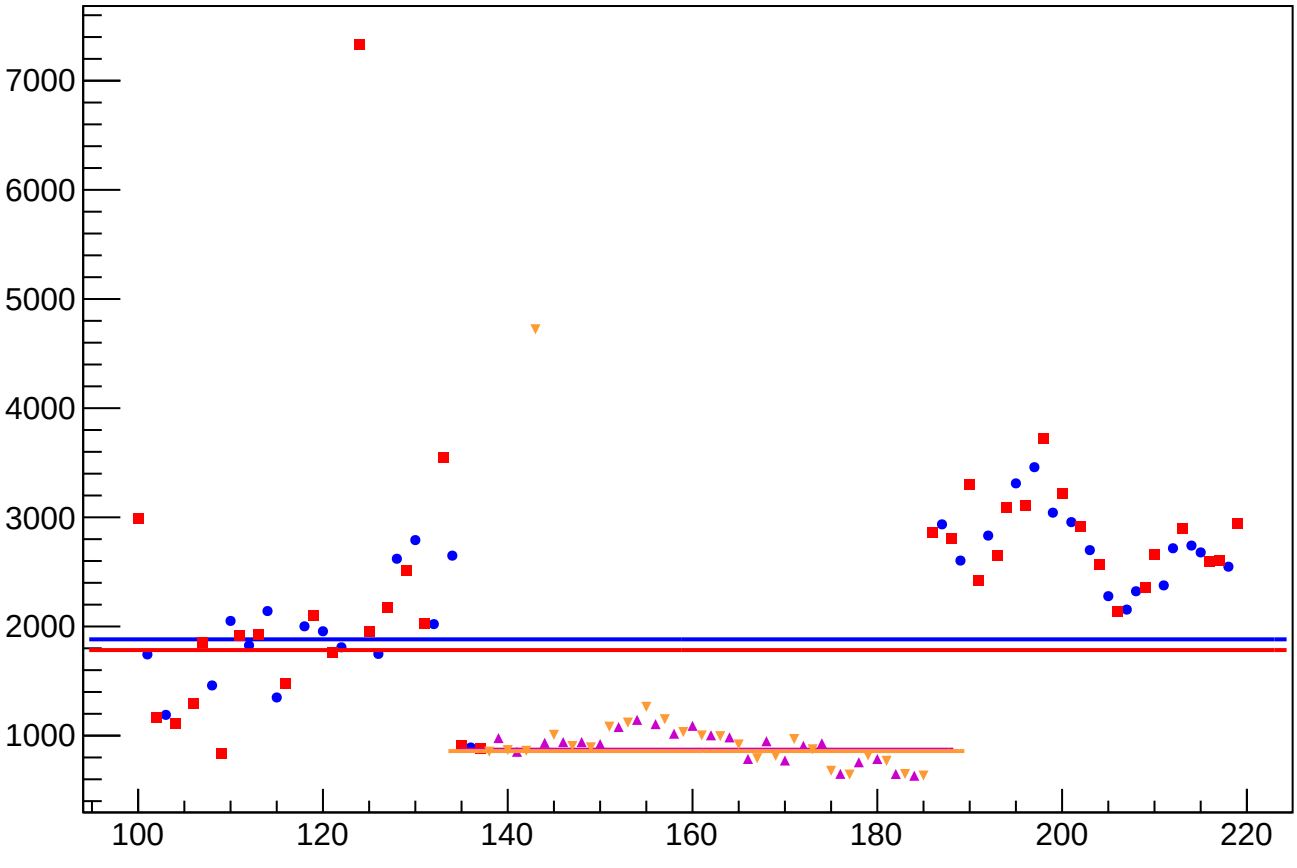
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 132.605+/-310.185 χ^2/NDF: 98.0/68

In: 93.274+/-187.987 χ^2/NDF:81.6/54

Out: 416.694+/-182.283 χ^2/NDF:104.4/61

All: 259.965+/-130.864 χ^2/NDF: 187.5/116



Right In: 1882.236+/-0.320 χ^2/NDF: 5473957.7/31

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1783.933+/-0.301 χ^2/NDF: 7592018.4/36

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

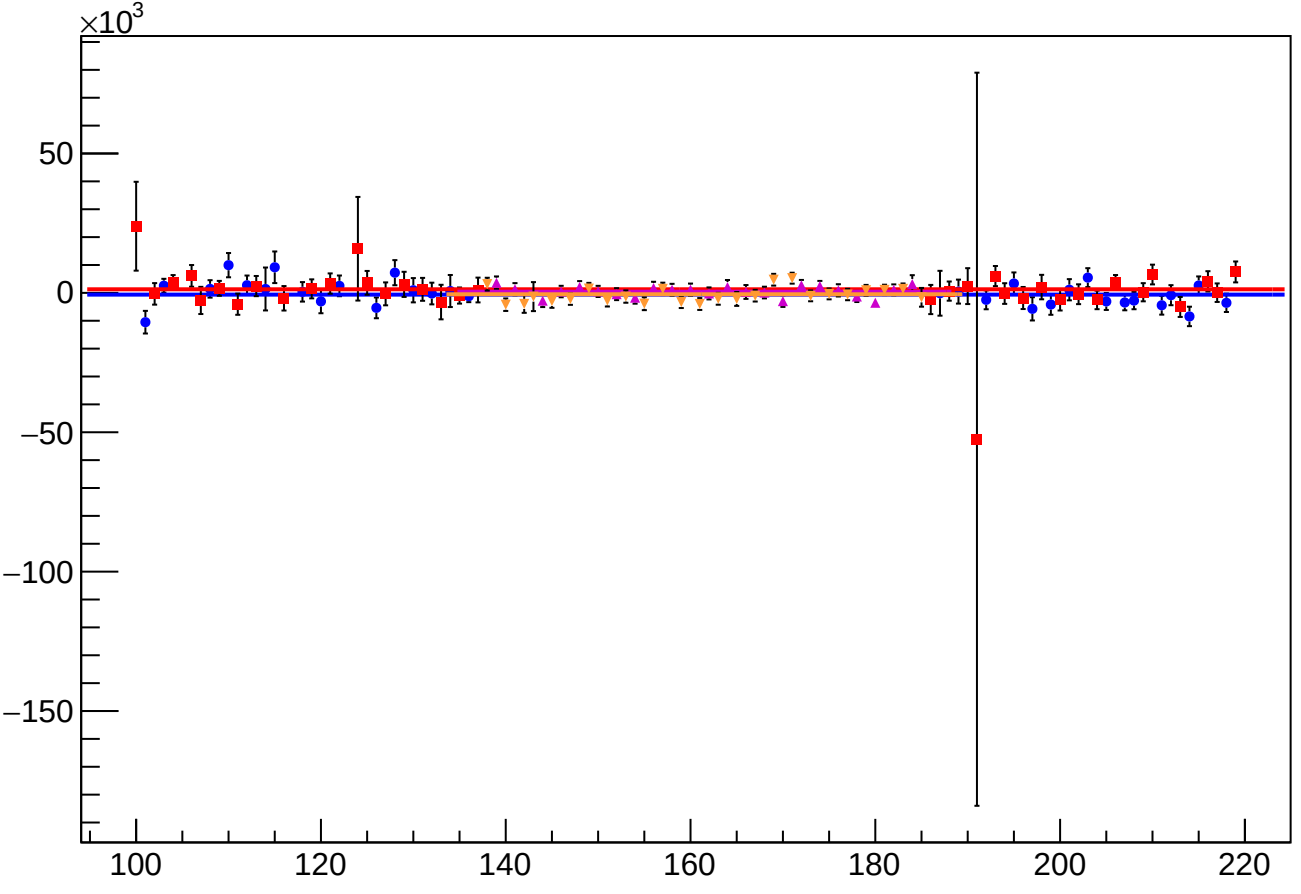
Right: 1830.205+/-0.219 χ^2/NDF: 13116021.8/68

In: 1046.268+/-0.133 χ^2/NDF:14720570.8/54

Out: 1027.731+/-0.129 χ^2/NDF:17570469.2/61

All: 1036.714+/-0.093 χ^2/NDF: 32301062.5/

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -626.675+/-633.786 χ^2/NDF: 41.5/31

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 1285.934+/-627.049 χ^2/NDF: 26.5/36

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

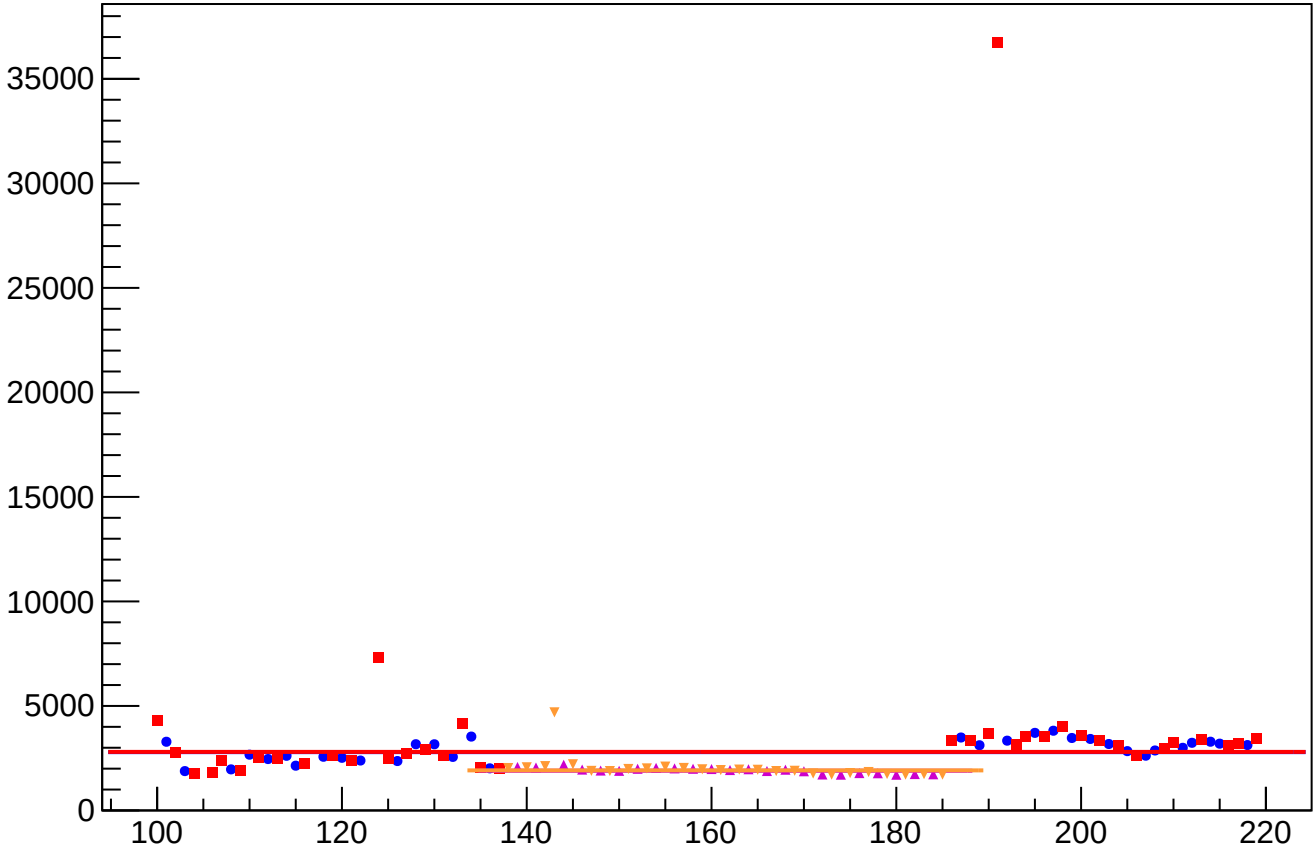
Right: 339.848+/-445.753 χ^2/NDF: 72.6/68

In: 69.015+/-363.959 χ^2/NDF:62.1/54

Out: 88.067+/-360.128 χ^2/NDF:67.9/61

All: 78.642+/-255.993 χ^2/NDF: 130.0/116

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2790.147+/-0.448 χ^2/NDF: 1480134.2/31

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2801.725+/-0.443 χ^2/NDF: 2176279.3/36

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

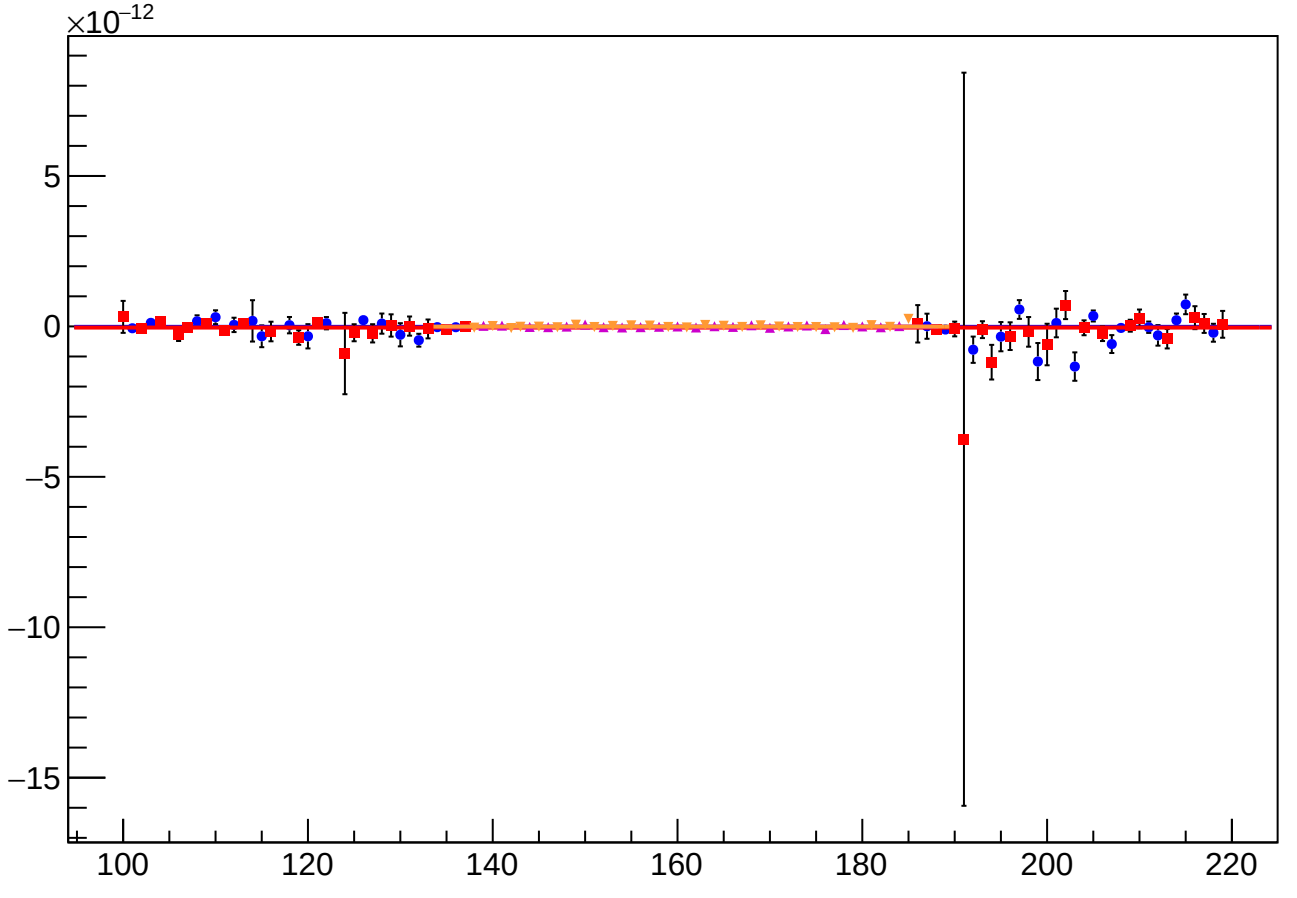
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2795.998+/-0.315 χ^2/NDF: 3656750.8/68

In: 2193.045+/-0.257 χ^2/NDF:4302159.2/54

Out: 2208.930+/-0.255 χ^2/NDF:5599927.9/61

All: 2201.072+/-0.181 χ^2/NDF: 9904012.4/11



Right In: -0.000+/-0.000 χ^2/NDF: 48.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/36

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

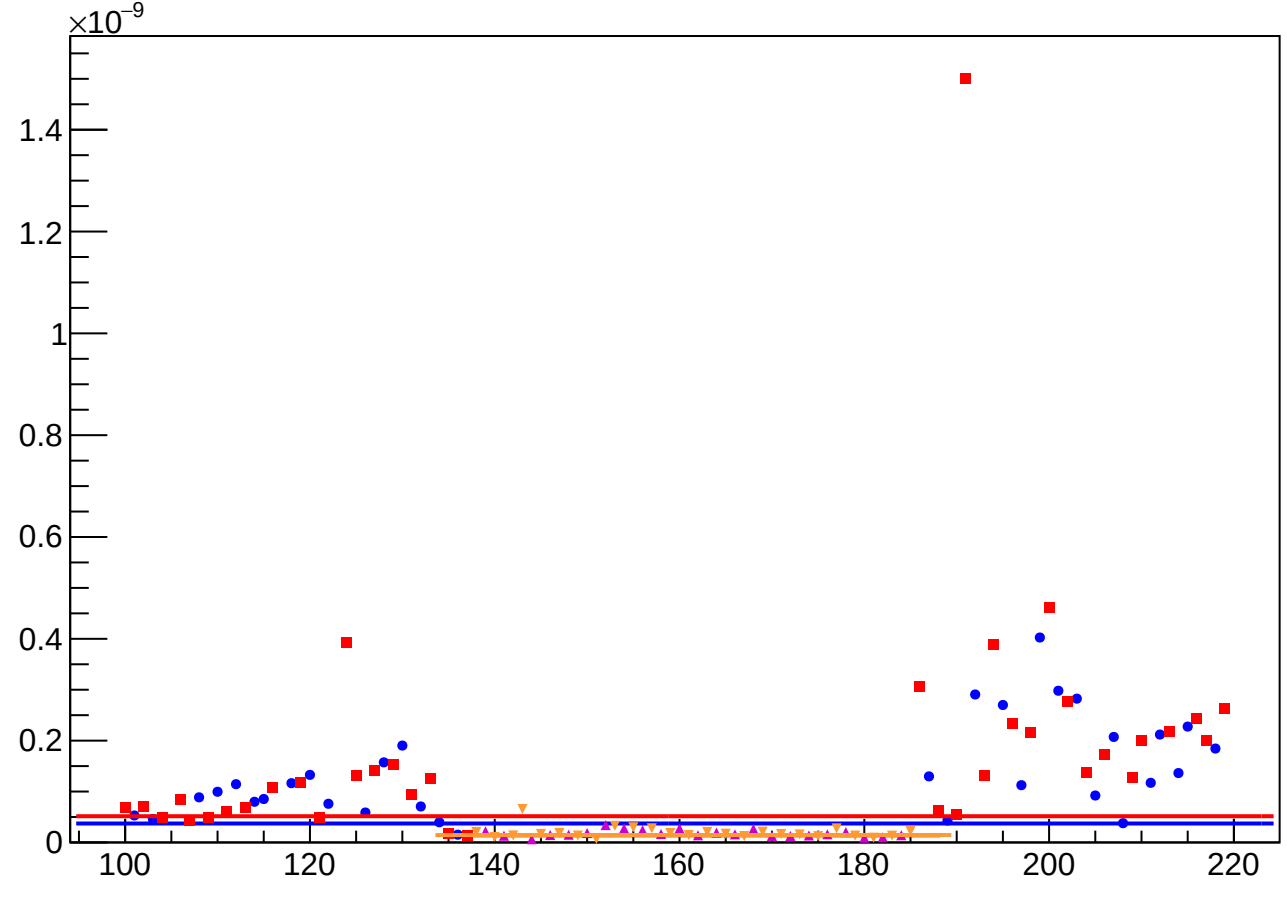
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 76.5/68

In: -0.000+/-0.000 χ^2/NDF:73.7/54

Out: -0.000+/-0.000 χ^2/NDF:57.5/61

All: -0.000+/-0.000 χ^2/NDF: 131.2/116



Right In: 0.000+/-0.000 χ^2/NDF: 9592366.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9364314.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

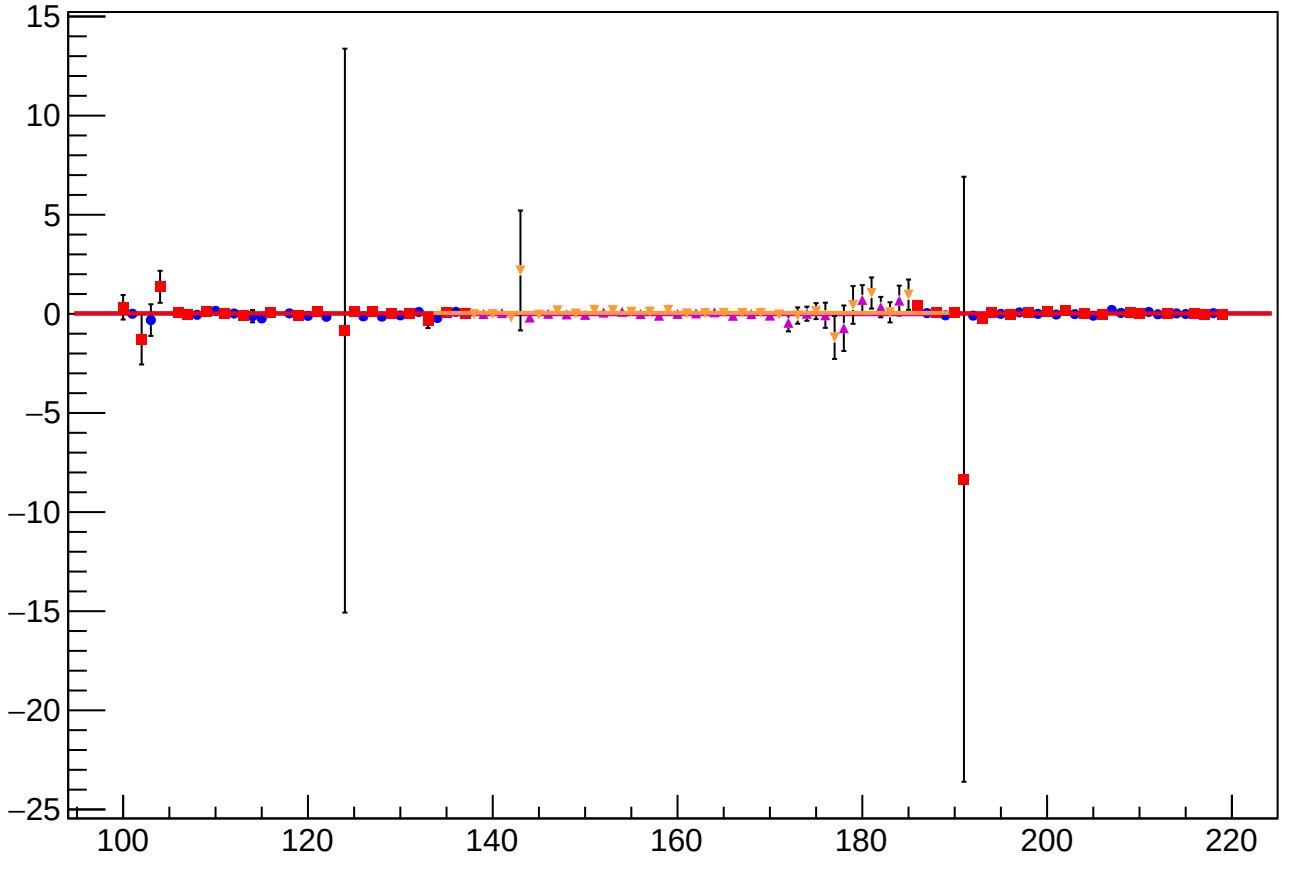
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 19328832.8/68

In: 0.000+/-0.000 χ^2/NDF:13873028.1/54

Out: 0.000+/-0.000 χ^2/NDF:15108144.2/61

All: 0.000+/-0.000 χ^2/NDF: 28997072.1/116



Right In: 0.018+/-0.016 χ^2/NDF: 30.7/31

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.025+/-0.015 χ^2/NDF: 28.6/36

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

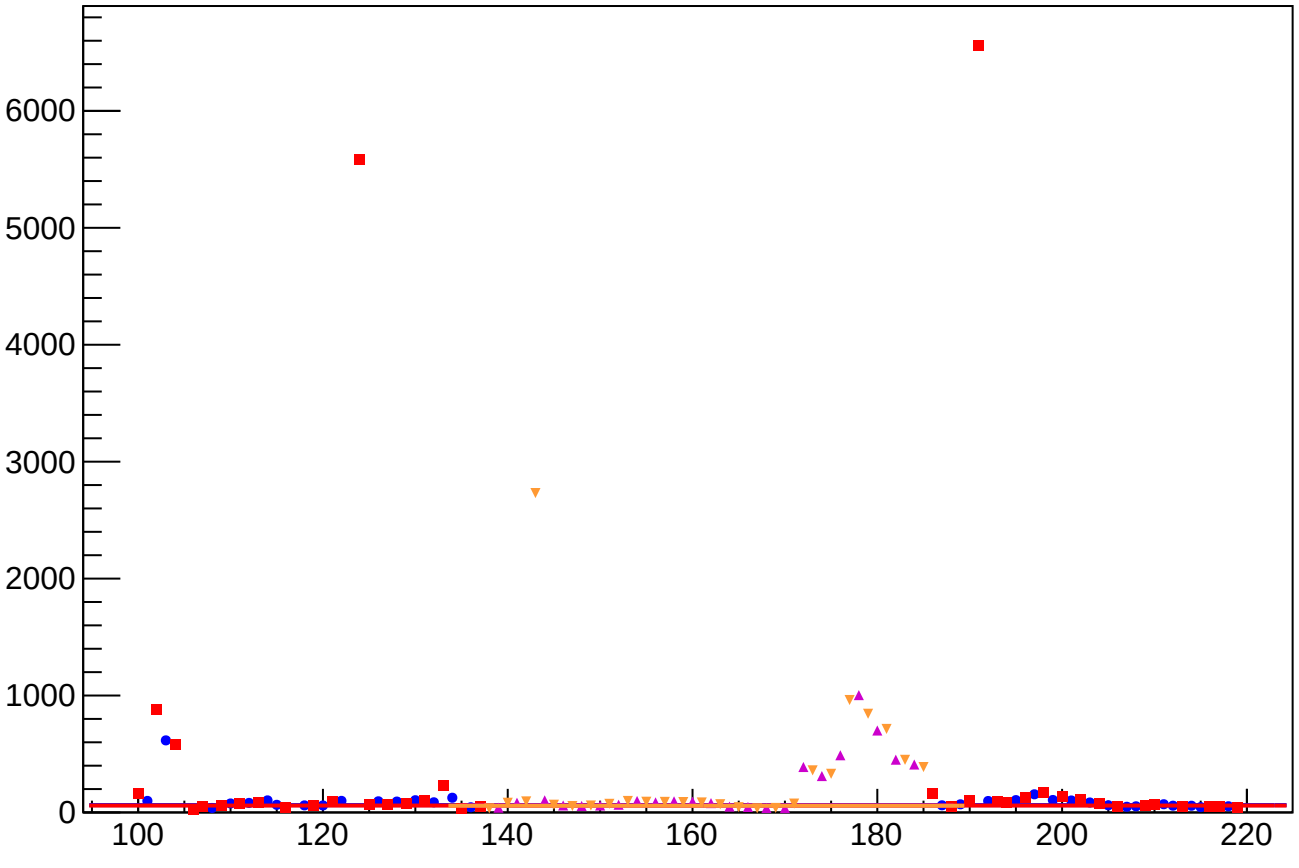
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.021+/-0.011 χ^2/NDF: 59.4/68

In: 0.001+/-0.012 χ^2/NDF:48.6/54

Out: 0.036+/-0.011 χ^2/NDF:54.2/61

All: 0.019+/-0.008 χ^2/NDF: 107.5/116



Right In: 62.904+/-0.011 χ^2/NDF: 4616389.9/31

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 59.029+/-0.011 χ^2/NDF: 7549979.1/36

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

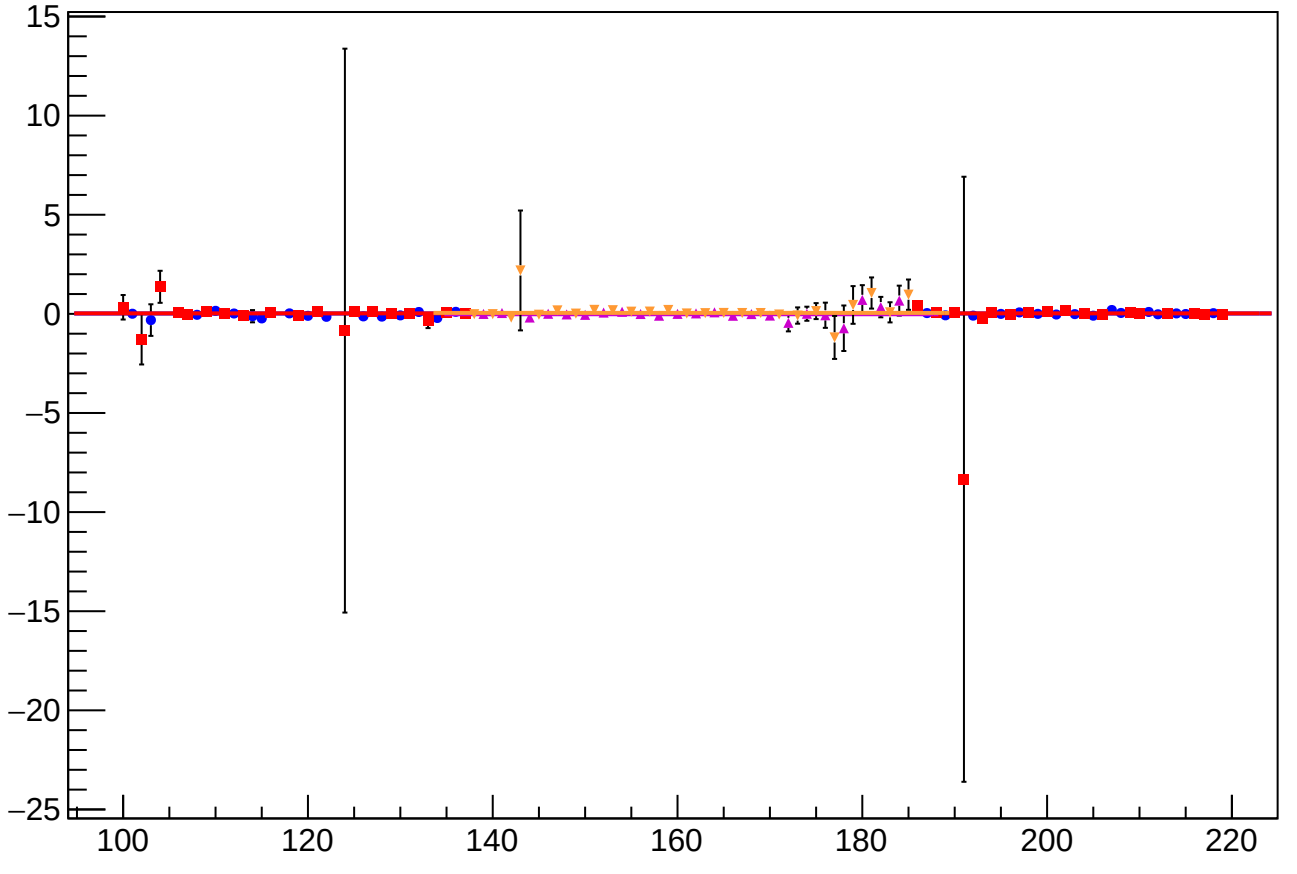
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 60.880+/-0.008 χ^2/NDF: 12230027.7/68

In: 60.930+/-0.008 χ^2/NDF:14933327.8/54

Out: 58.255+/-0.008 χ^2/NDF:19884153.2/61

All: 59.556+/-0.006 χ^2/NDF: 34872370.7/116



Right In: 0.018+/-0.016 χ^2/NDF: 30.7/31

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.025+/-0.015 χ^2/NDF: 28.6/36

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

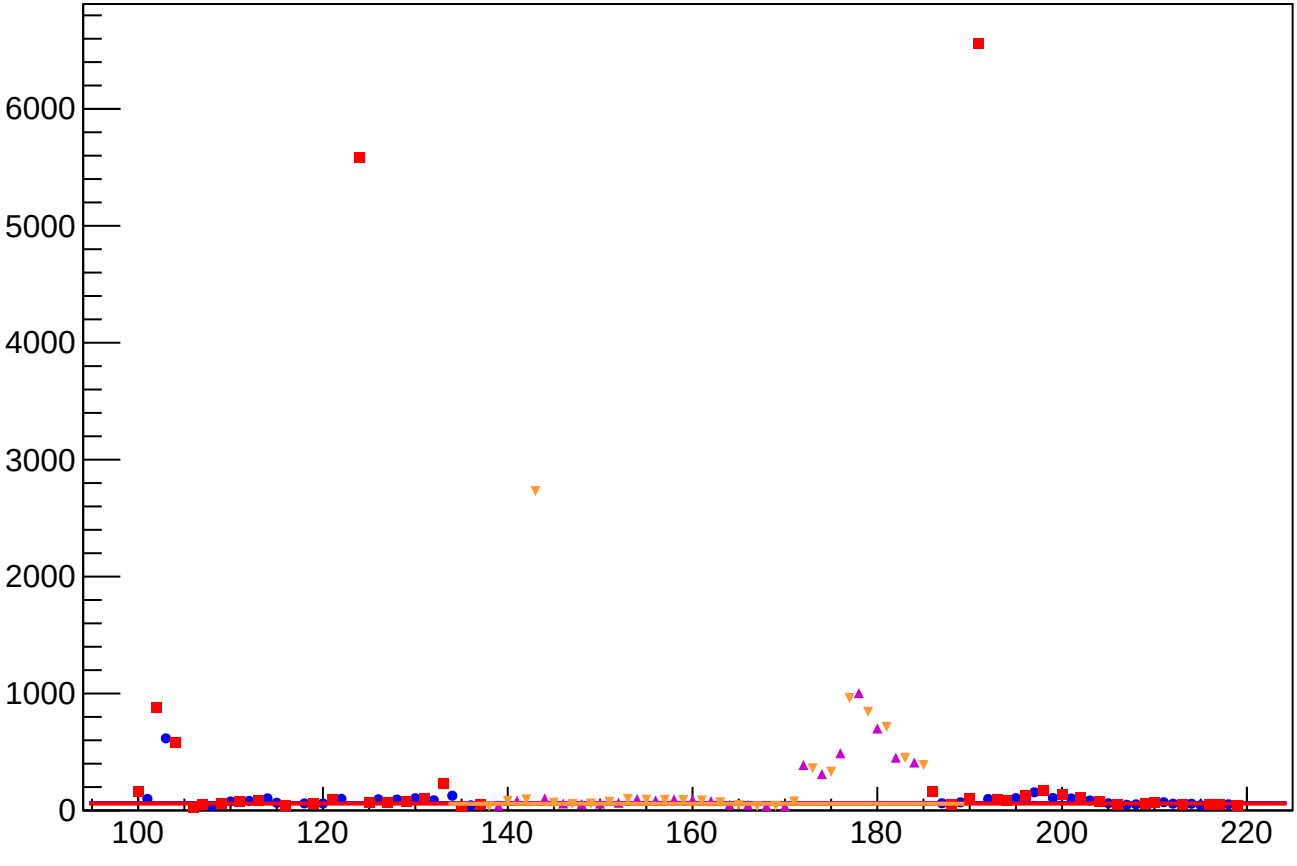
Right: 0.021+/-0.011 χ^2/NDF: 59.4/68

In: 0.001+/-0.012 χ^2/NDF:48.6/54

Out: 0.036+/-0.011 χ^2/NDF:54.2/61

All: 0.019+/-0.008 χ^2/NDF: 107.5/116

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.904+/-0.011 χ^2/NDF: 4616389.9/31

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 59.029+/-0.011 χ^2/NDF: 7549979.1/36

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

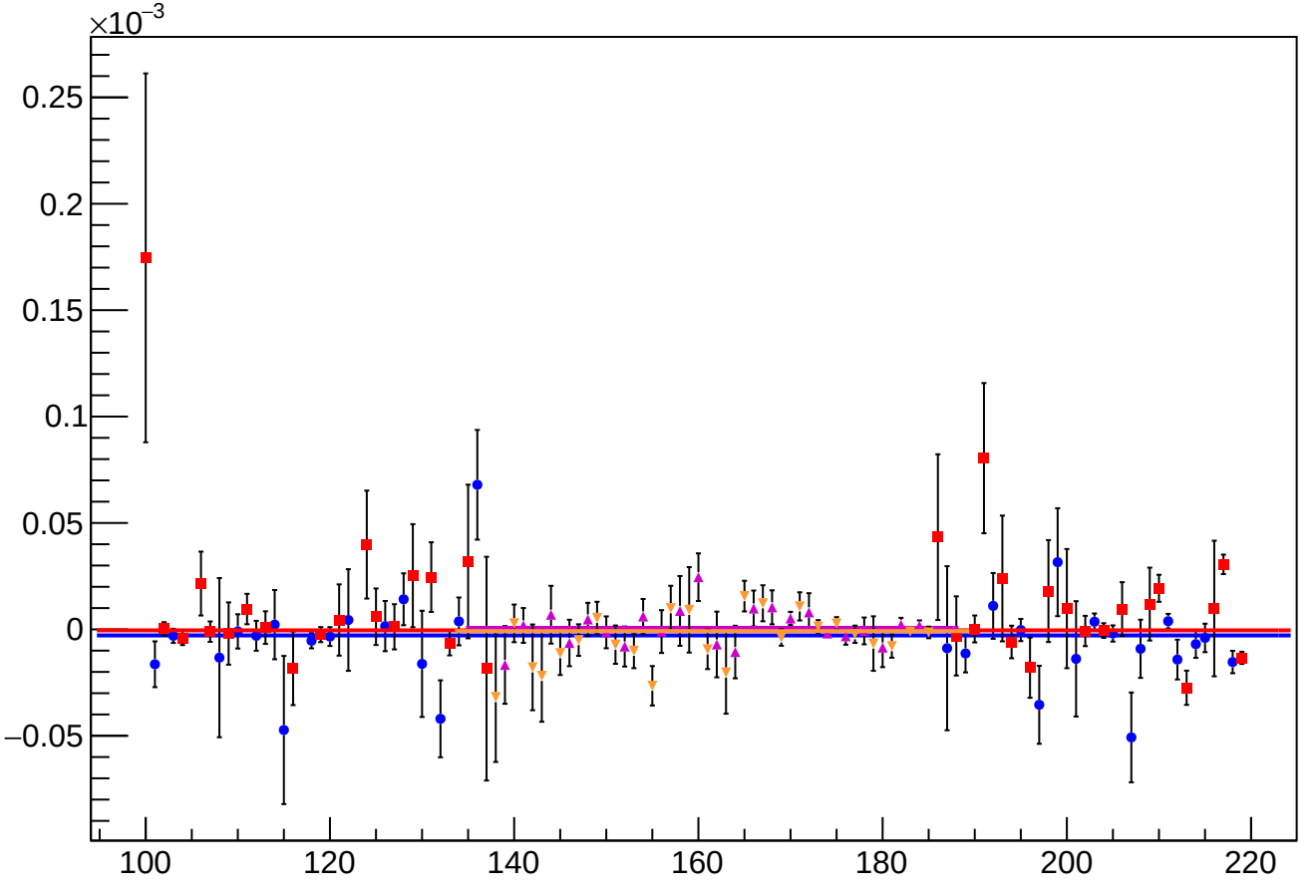
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 60.880+/-0.008 χ^2/NDF: 12230027.7/68

In: 60.930+/-0.008 χ^2/NDF:14933327.8/54

Out: 58.255+/-0.008 χ^2/NDF:19884153.2/61

All: 59.556+/-0.006 χ^2/NDF: 34872370.7/116



Right In: -0.000+/-0.000 χ^2/NDF: 45.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 118.0/36

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

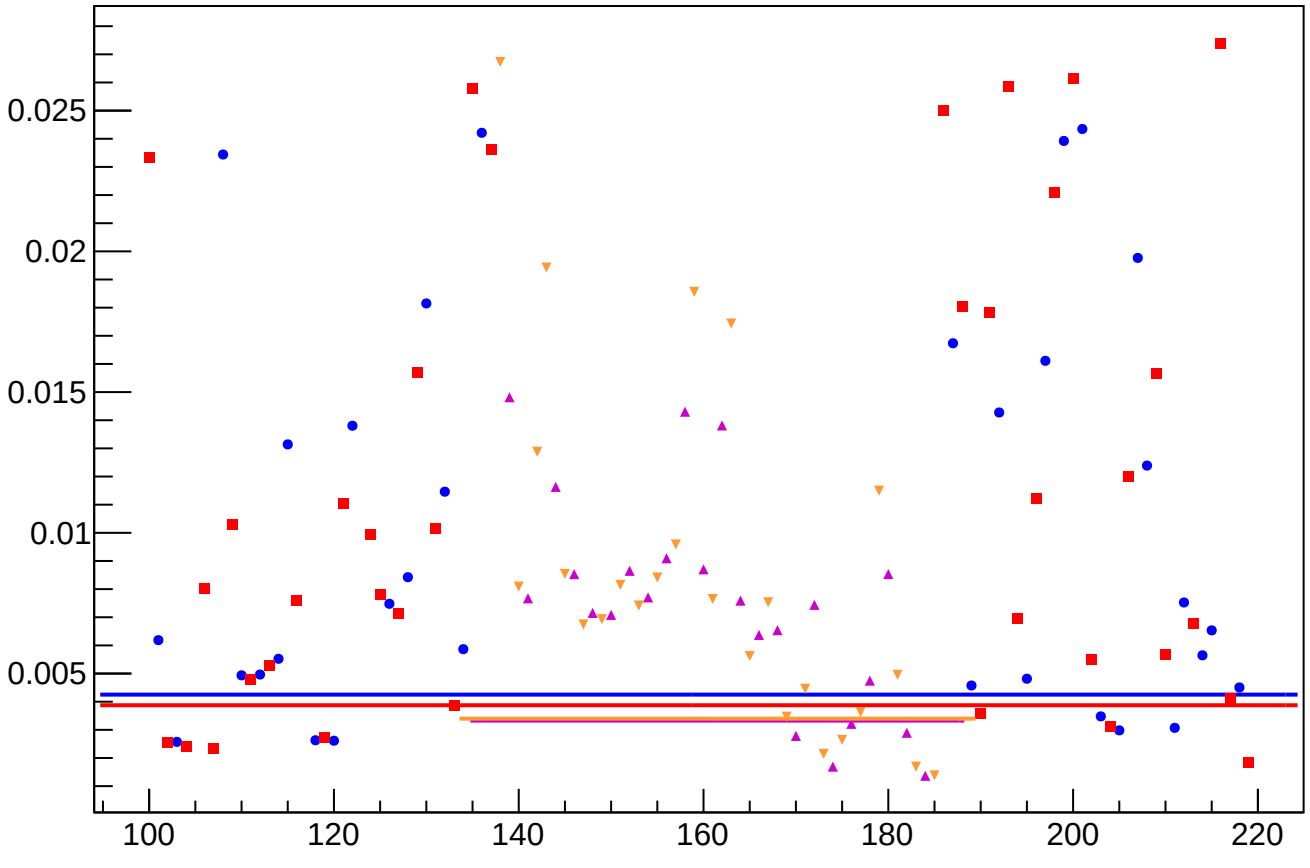
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 165.7/68

In: -0.000+/-0.000 χ^2/NDF:69.3/54

Out: -0.000+/-0.000 χ^2/NDF:150.8/61

All: -0.000+/-0.000 χ^2/NDF: 220.2/116



Right In: 0.004+/-0.000 χ^2/NDF: 11970862.8/31

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 15597400.7/36

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

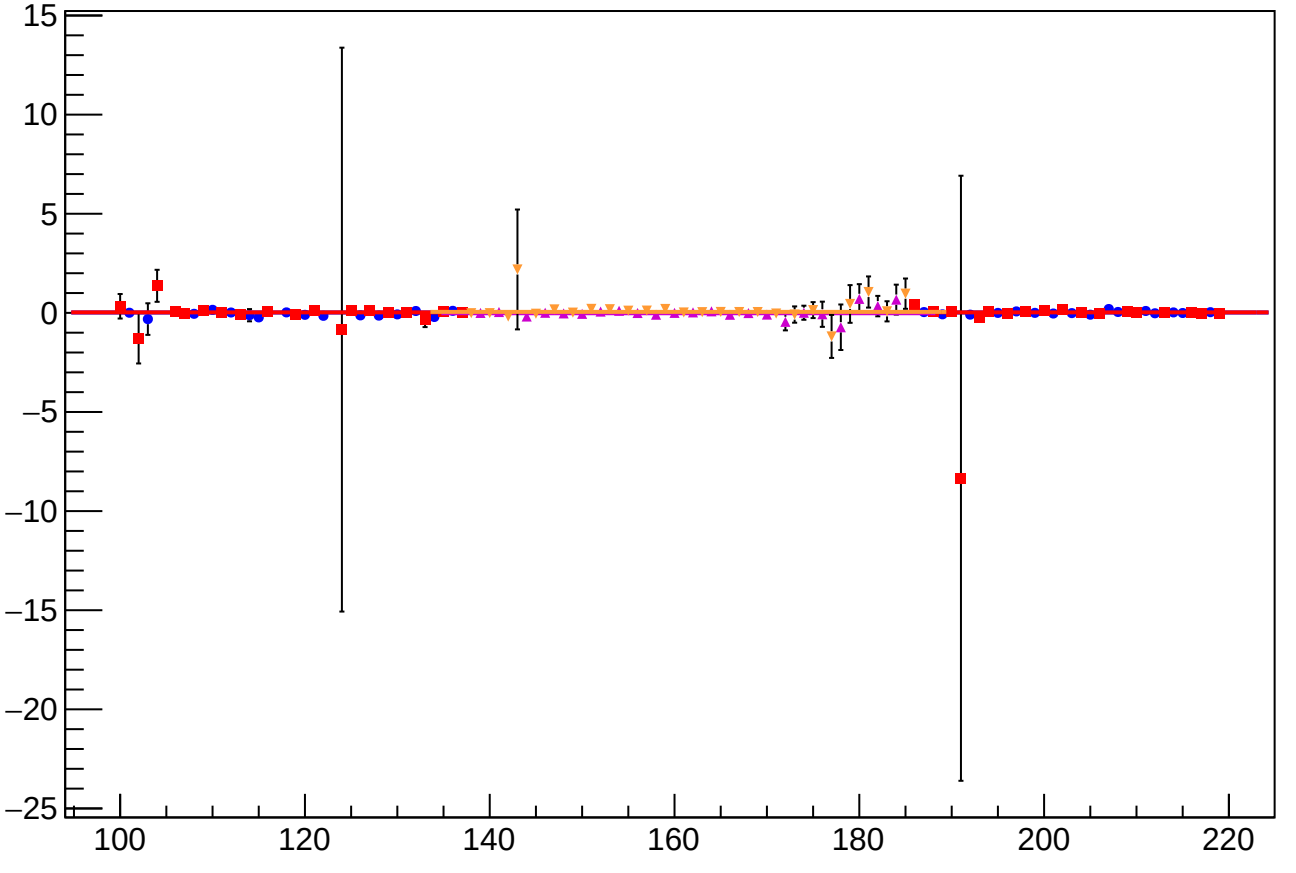
Right: 0.004+/-0.000 χ^2/NDF: 27673208.8/68

In: 0.004+/-0.000 χ^2/NDF:25203877.3/54

Out: 0.004+/-0.000 χ^2/NDF:30043803.1/61

All: 0.004+/-0.000 χ^2/NDF: 55266585.8/116

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.016 χ^2/NDF: 30.7/31

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.025+/-0.015 χ^2/NDF: 28.6/36

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

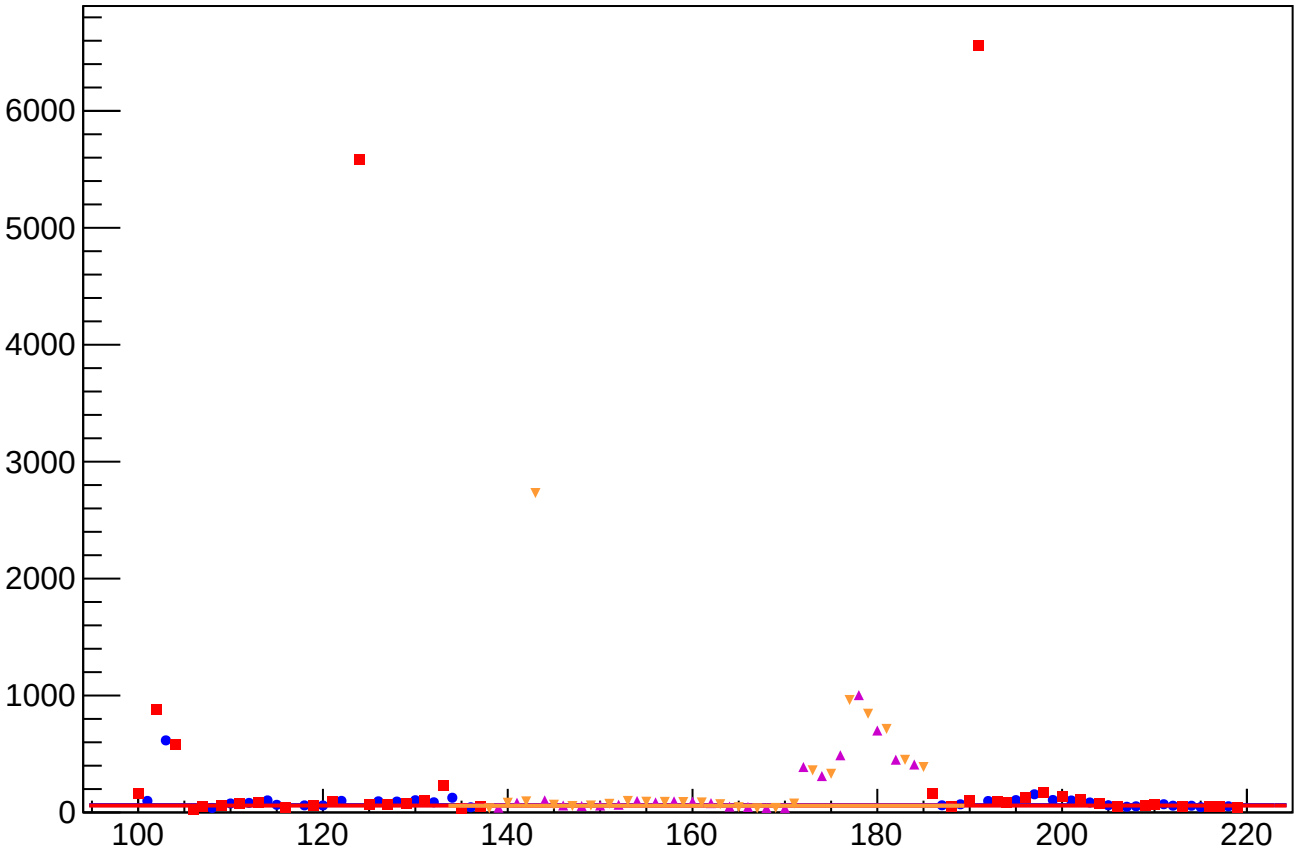
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.021+/-0.011 χ^2/NDF: 59.4/68

In: 0.001+/-0.012 χ^2/NDF:48.6/54

Out: 0.036+/-0.011 χ^2/NDF:54.2/61

All: 0.019+/-0.008 χ^2/NDF: 107.5/116



Right In: 62.906+/-0.011 χ^2/NDF: 4615599.9/31

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 59.027+/-0.011 χ^2/NDF: 7550819.7/36

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

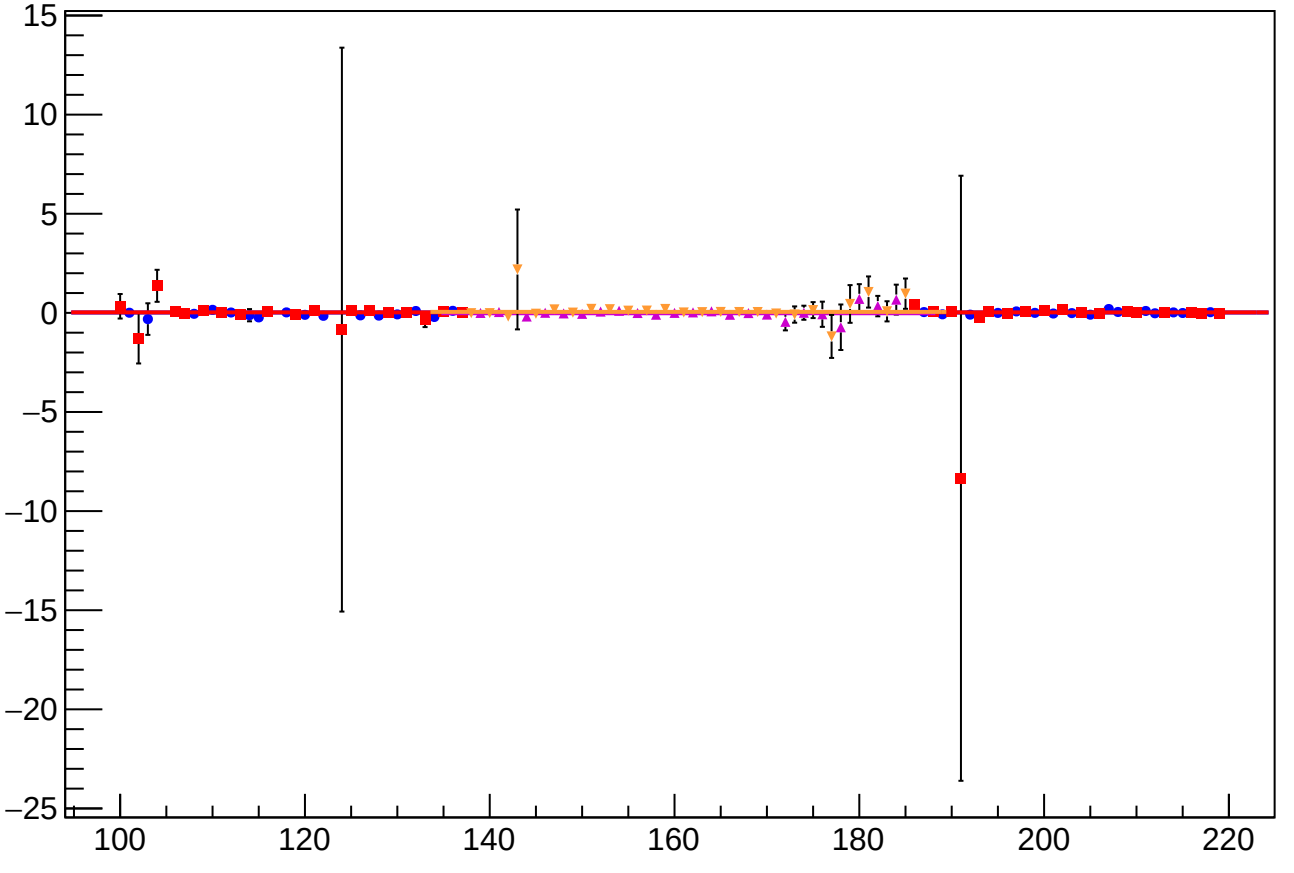
Right: 60.880+/-0.008 χ^2/NDF: 12230215.1/68

In: 60.932+/-0.008 χ^2/NDF:14932019.6/54

Out: 58.253+/-0.008 χ^2/NDF:19884724.9/61

All: 59.556+/-0.006 χ^2/NDF: 34871794.0/116

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.016 χ^2/NDF: 30.7/31

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.025+/-0.015 χ^2/NDF: 28.6/36

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

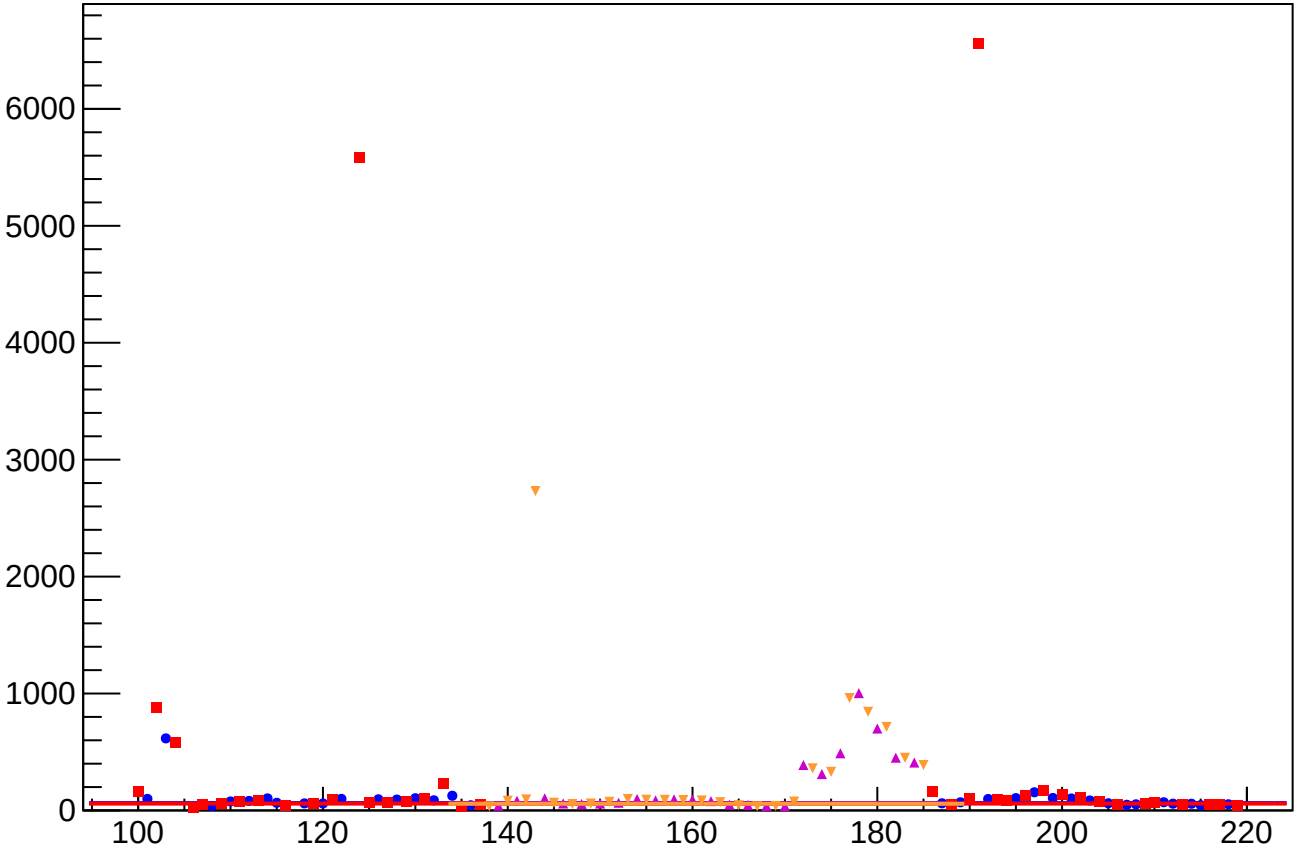
Right: 0.021+/-0.011 χ^2/NDF: 59.4/68

In: 0.001+/-0.012 χ^2/NDF:48.6/54

Out: 0.036+/-0.011 χ^2/NDF:54.2/61

All: 0.019+/-0.008 χ^2/NDF: 107.5/116

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.906+/-0.011 χ^2/NDF: 4615599.9/31

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 59.027+/-0.011 χ^2/NDF: 7550819.7/36

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

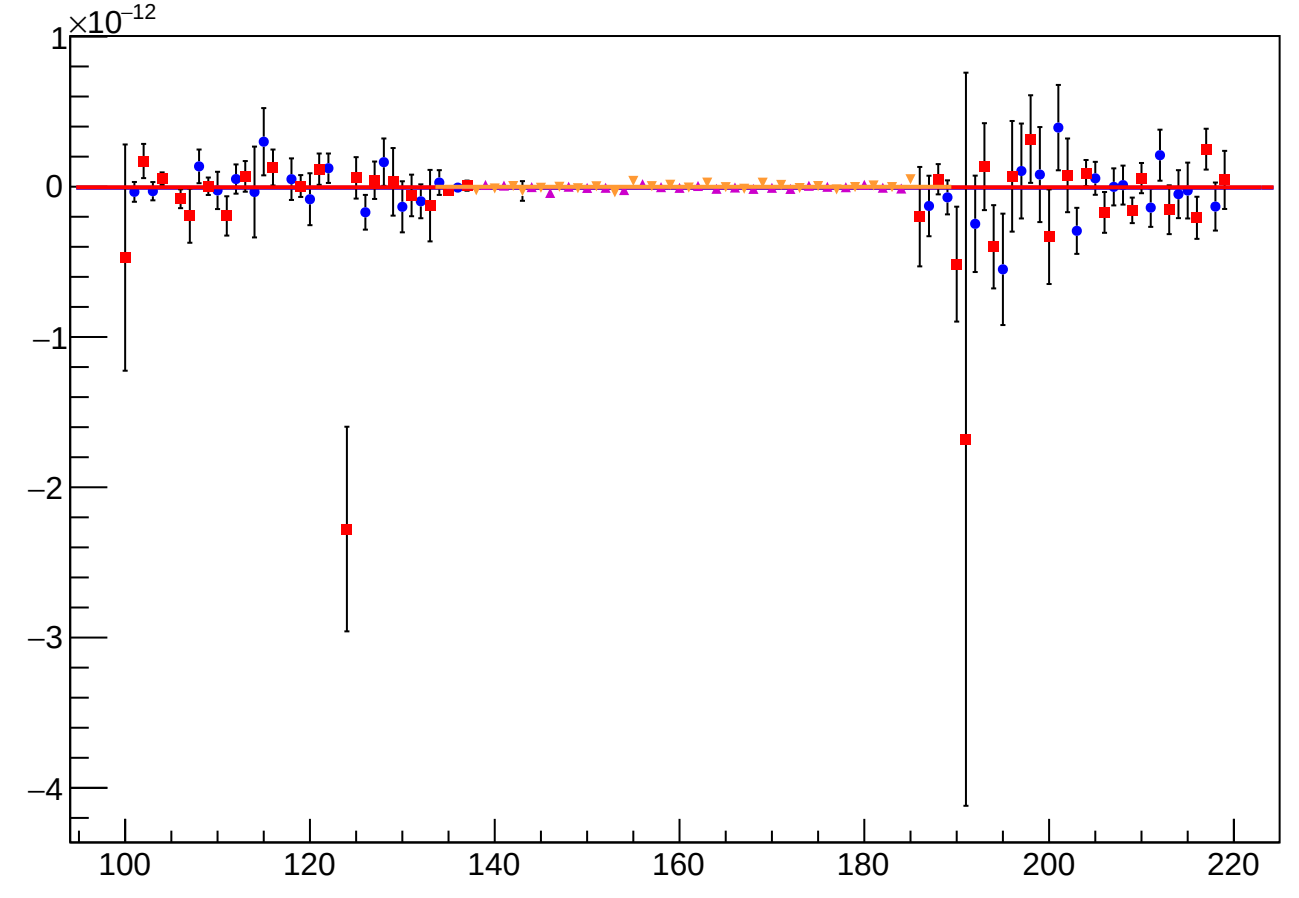
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 60.880+/-0.008 χ^2/NDF: 12230215.1/68

In: 60.932+/-0.008 χ^2/NDF:14932019.6/54

Out: 58.253+/-0.008 χ^2/NDF:19884724.9/61

All: 59.556+/-0.006 χ^2/NDF: 34871794.0/116



Right In: -0.000+/-0.000 χ^2/NDF: 23.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.6/36

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

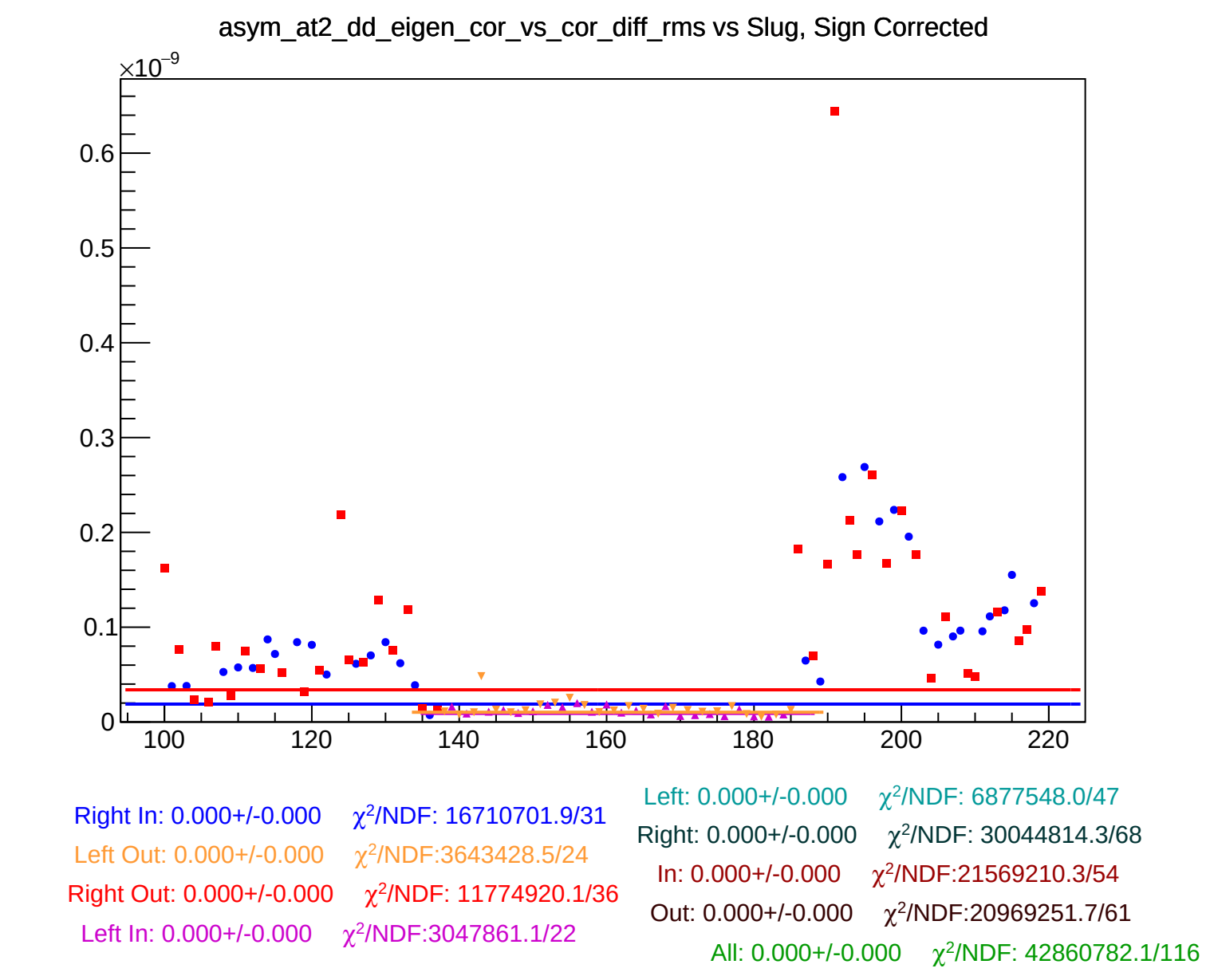
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 69.3/68

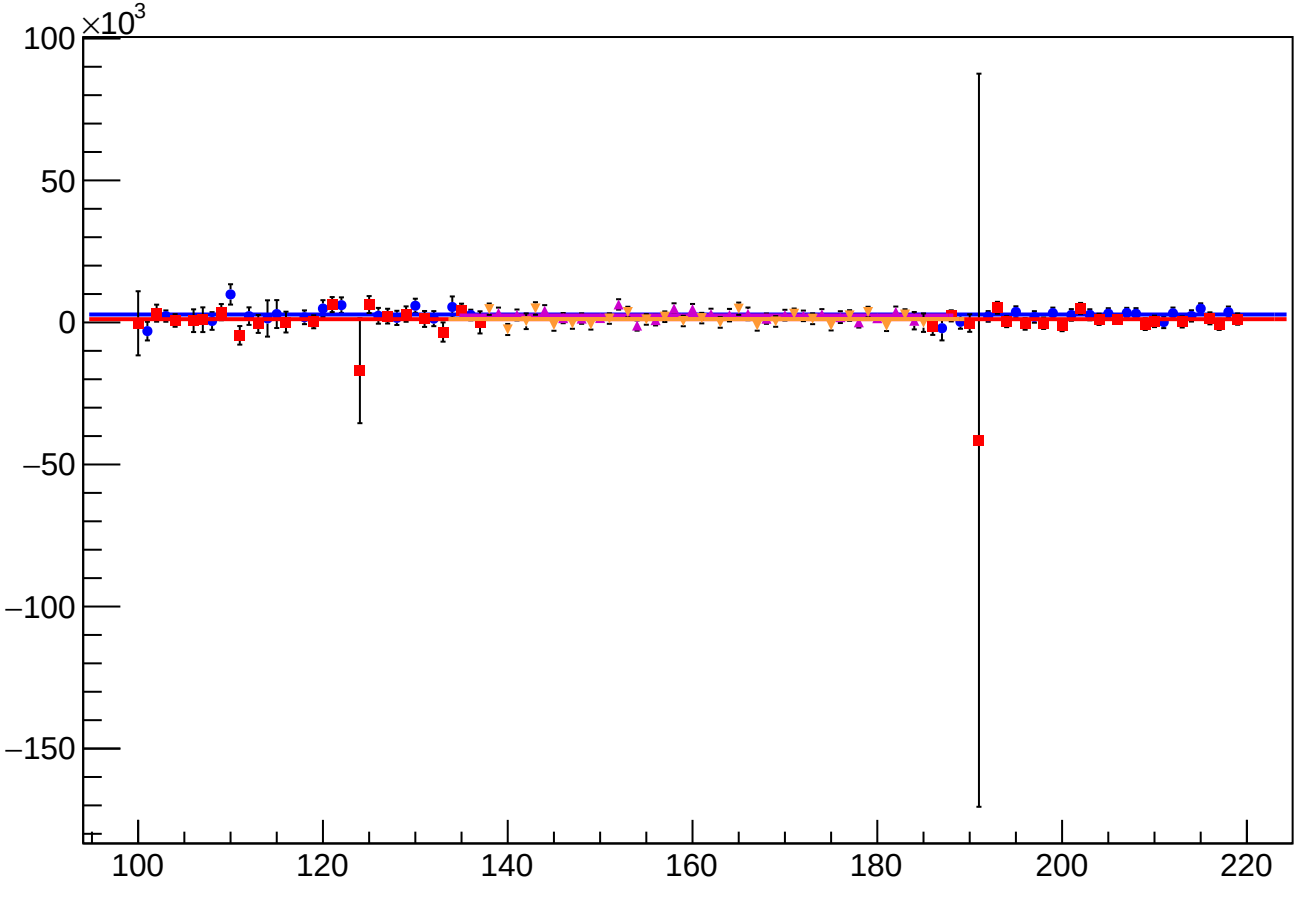
In: -0.000+/-0.000 χ^2/NDF:39.2/54

Out: -0.000+/-0.000 χ^2/NDF:64.5/61

All: -0.000+/-0.000 χ^2/NDF: 104.1/116


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 16710701.9/31
Left Out: 0.000+/-0.000 χ²/NDF:3643428.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 11774920.1/36
Left In: 0.000+/-0.000 χ²/NDF:3047861.1/22
Left: 0.000+/-0.000 χ²/NDF: 6877548.0/47
Right: 0.000+/-0.000 χ²/NDF: 30044814.3/68
In: 0.000+/-0.000 χ²/NDF:21569210.3/54
Out: 0.000+/-0.000 χ²/NDF:20969251.7/61
All: 0.000+/-0.000 χ²/NDF: 42860782.1/116

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2792.740+/-409.503 χ^2/NDF: 18.7/31

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1150.591+/-405.234 χ^2/NDF: 30.1/36

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

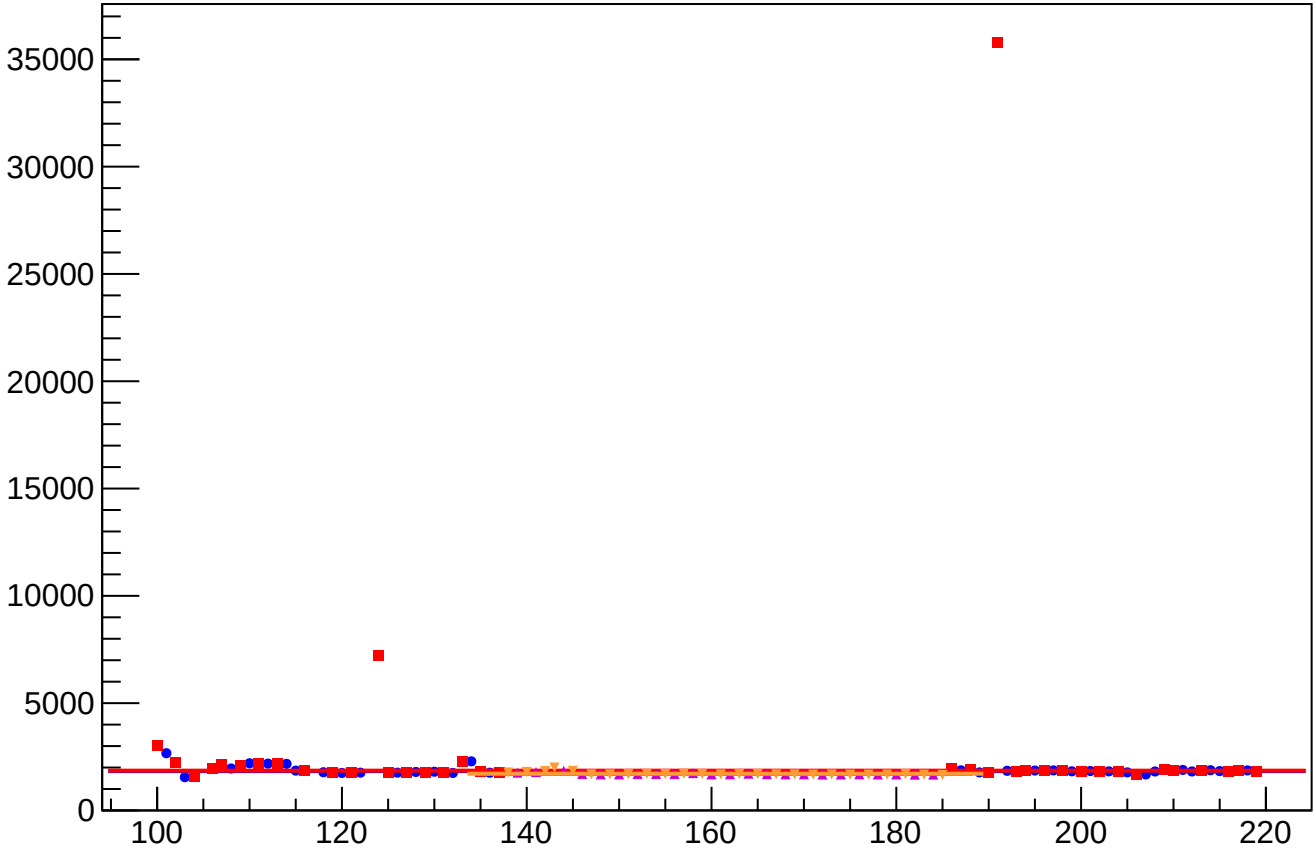
Right: 1963.061+/-288.041 χ^2/NDF: 57.0/68

In: 2610.822+/-285.397 χ^2/NDF:36.6/54

Out: 1177.546+/-280.679 χ^2/NDF:56.4/61

All: 1882.240+/-200.117 χ^2/NDF: 105.8/116

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1834.607+/-0.290 χ^2/NDF: 287423.8/31

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1854.684+/-0.286 χ^2/NDF: 544522.5/36

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

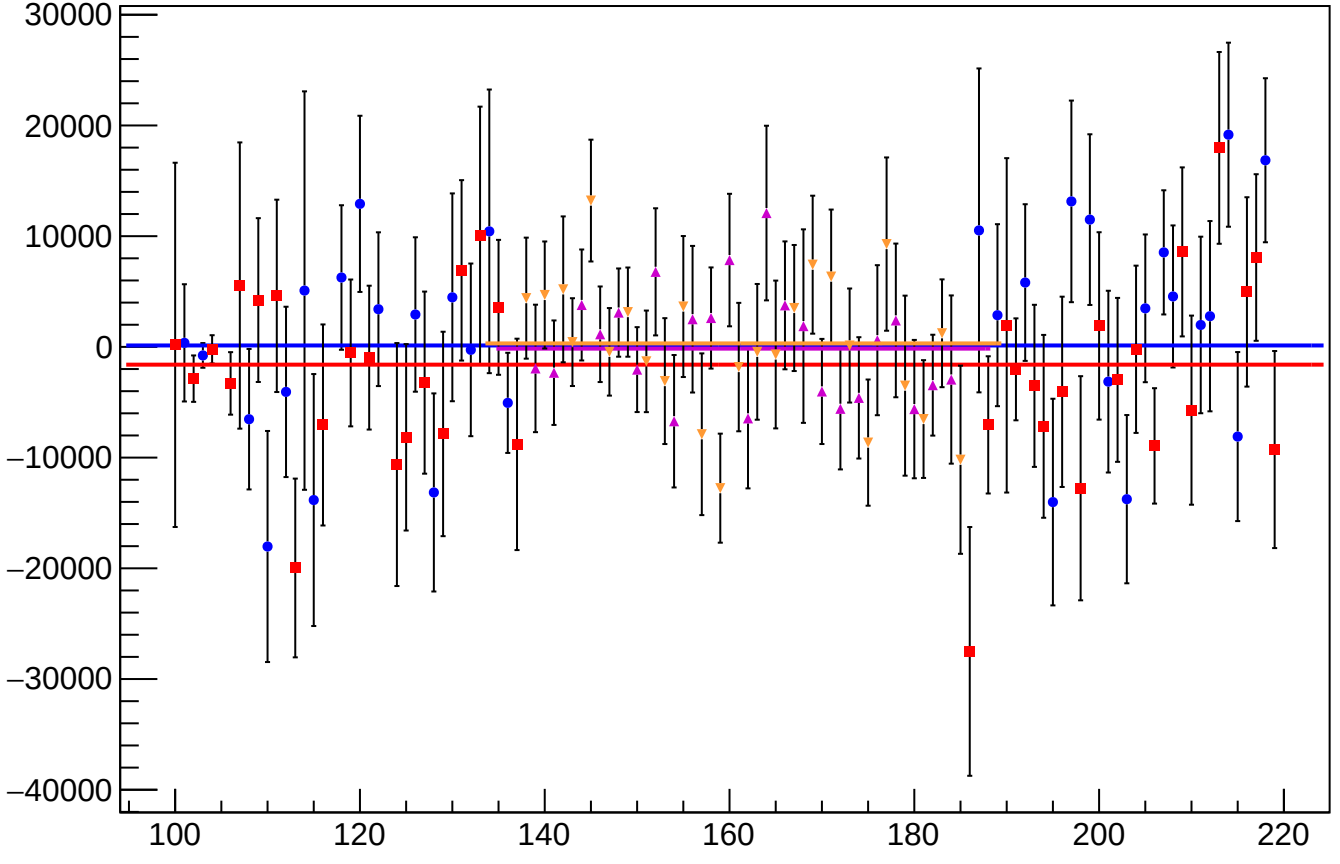
Right: 1844.759+/-0.204 χ^2/NDF: 834377.0/68

In: 1767.423+/-0.202 χ^2/NDF:414671.4/54

Out: 1780.390+/-0.198 χ^2/NDF:734097.2/61

All: 1774.017+/-0.141 χ^2/NDF: 1150868.2/11

asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 129.110+/-861.247 χ^2/NDF: 40.8/31

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: -1604.360+/-814.088 χ^2/NDF: 34.4/36

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

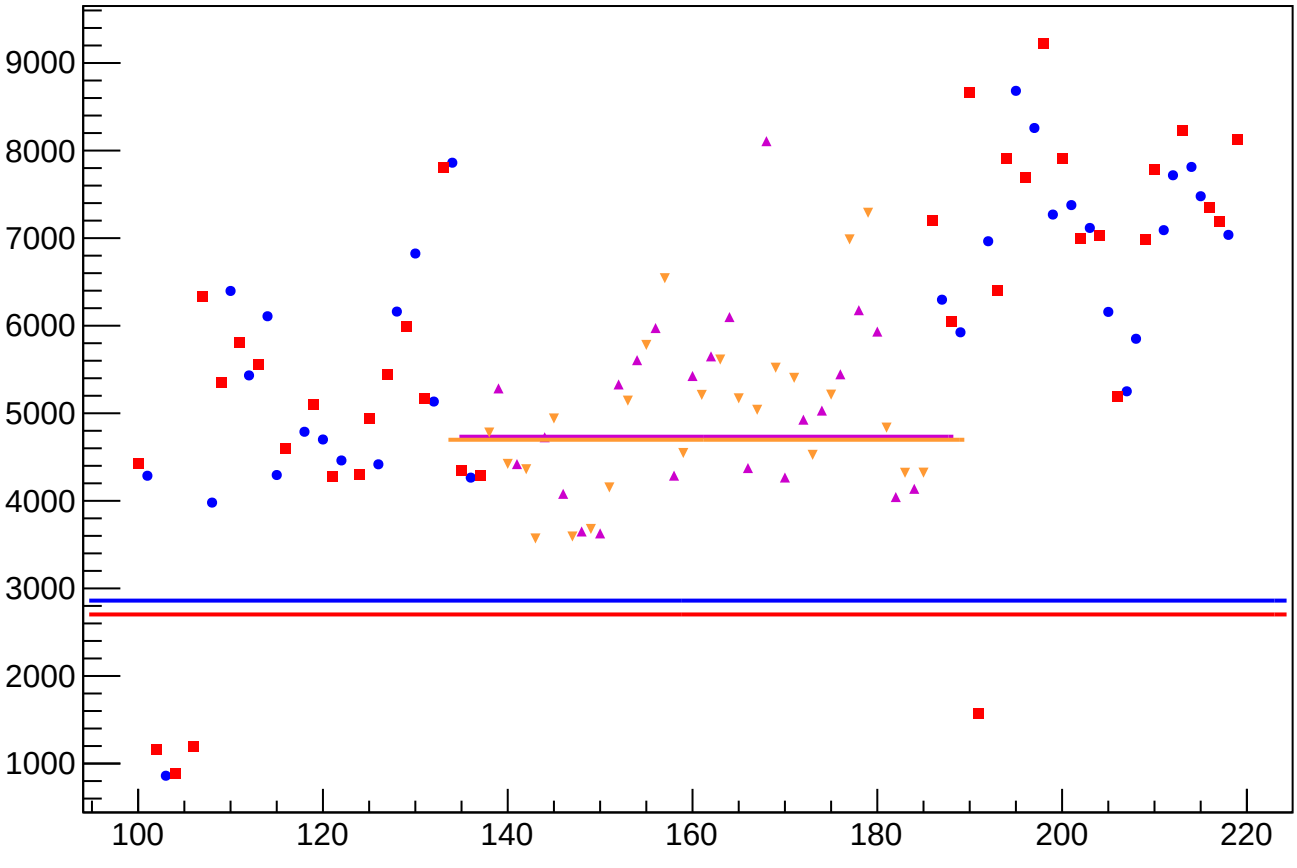
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -786.382+/-591.617 χ^2/NDF: 77.3/68

In: 23.440+/-684.630 χ^2/NDF:55.5/54

Out: -919.021+/-652.672 χ^2/NDF:63.4/61

All: -470.300+/-472.403 χ^2/NDF: 119.9/116



Right In: 2860.697+/-0.609 χ^2/NDF: 17977189.9/31

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2702.535+/-0.576 χ^2/NDF: 19416695.6/36

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

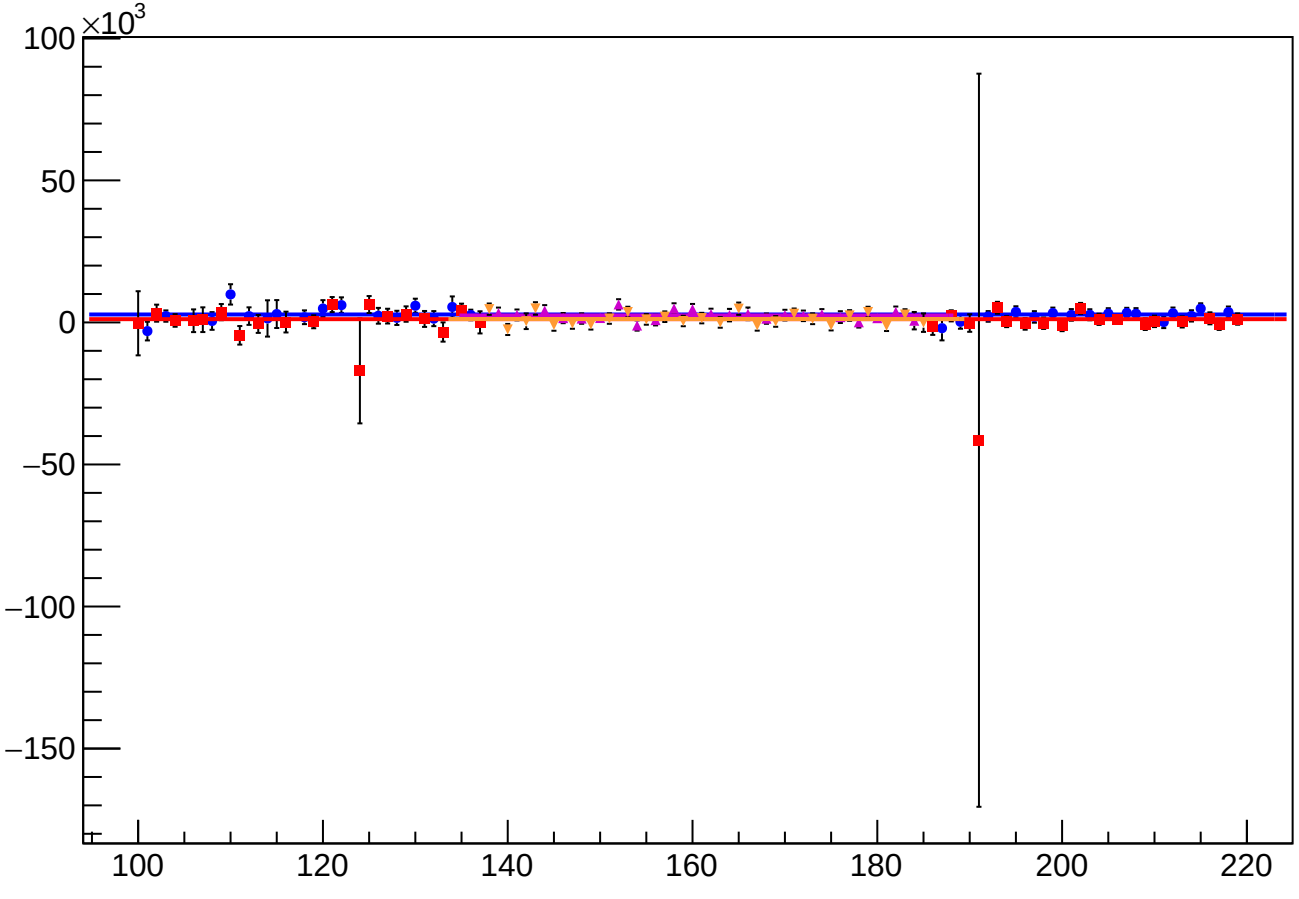
Right: 2777.167+/-0.418 χ^2/NDF: 37429507.5/68

In: 3549.658+/-0.484 χ^2/NDF:22697041.8/54

Out: 3415.265+/-0.462 χ^2/NDF:24947229.3/61

All: 3479.252+/-0.334 χ^2/NDF: 47684645.6/1

cor_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2792.858+/-409.503 χ^2/NDF: 18.7/31

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1150.192+/-405.234 χ^2/NDF: 30.1/36

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

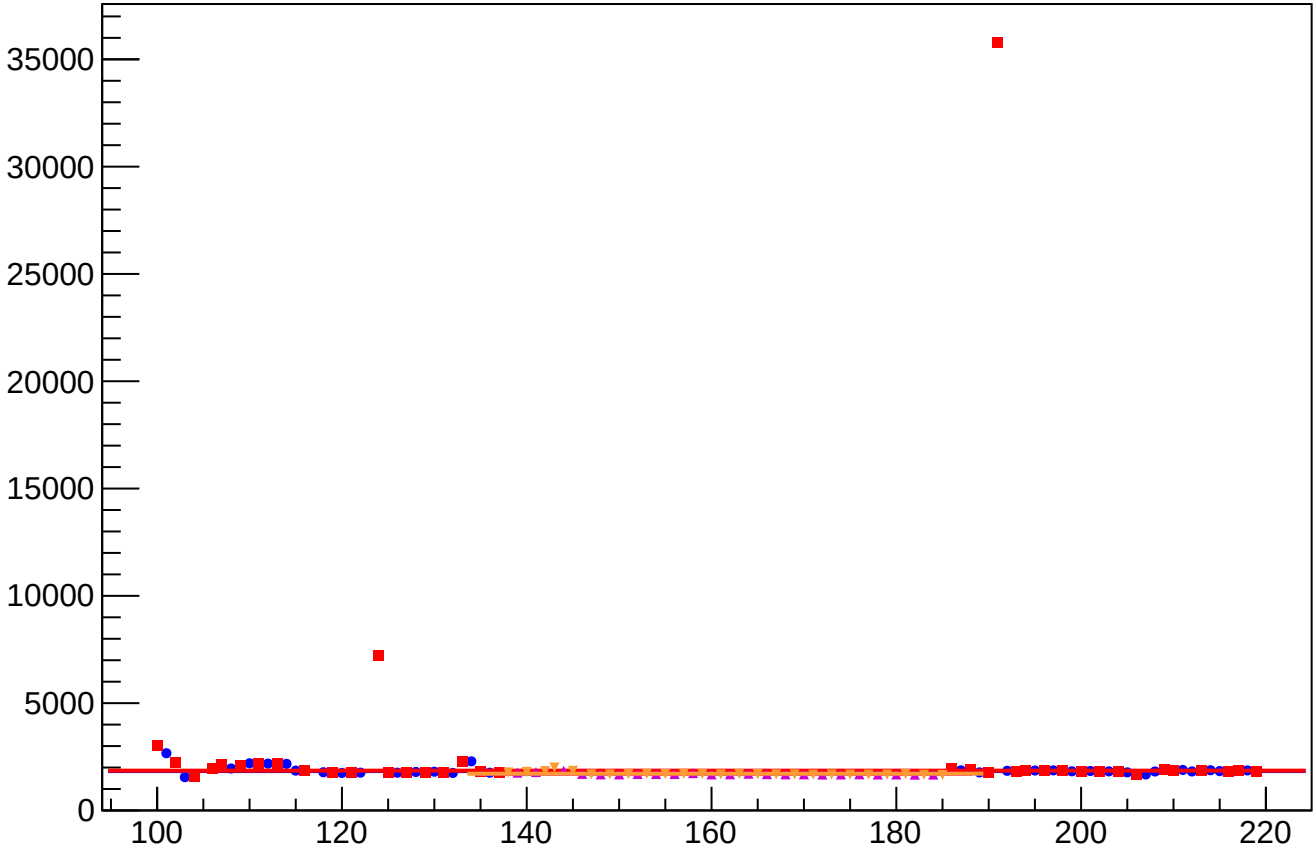
Right: 1962.918+/-288.041 χ^2/NDF: 57.0/68

In: 2610.845+/-285.397 χ^2/NDF:36.6/54

Out: 1177.304+/-280.679 χ^2/NDF:56.4/61

All: 1882.128+/-200.117 χ^2/NDF: 105.9/116

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1834.607+/-0.290 χ^2/NDF: 287423.7/31

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1854.829+/-0.286 χ^2/NDF: 544897.8/36

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

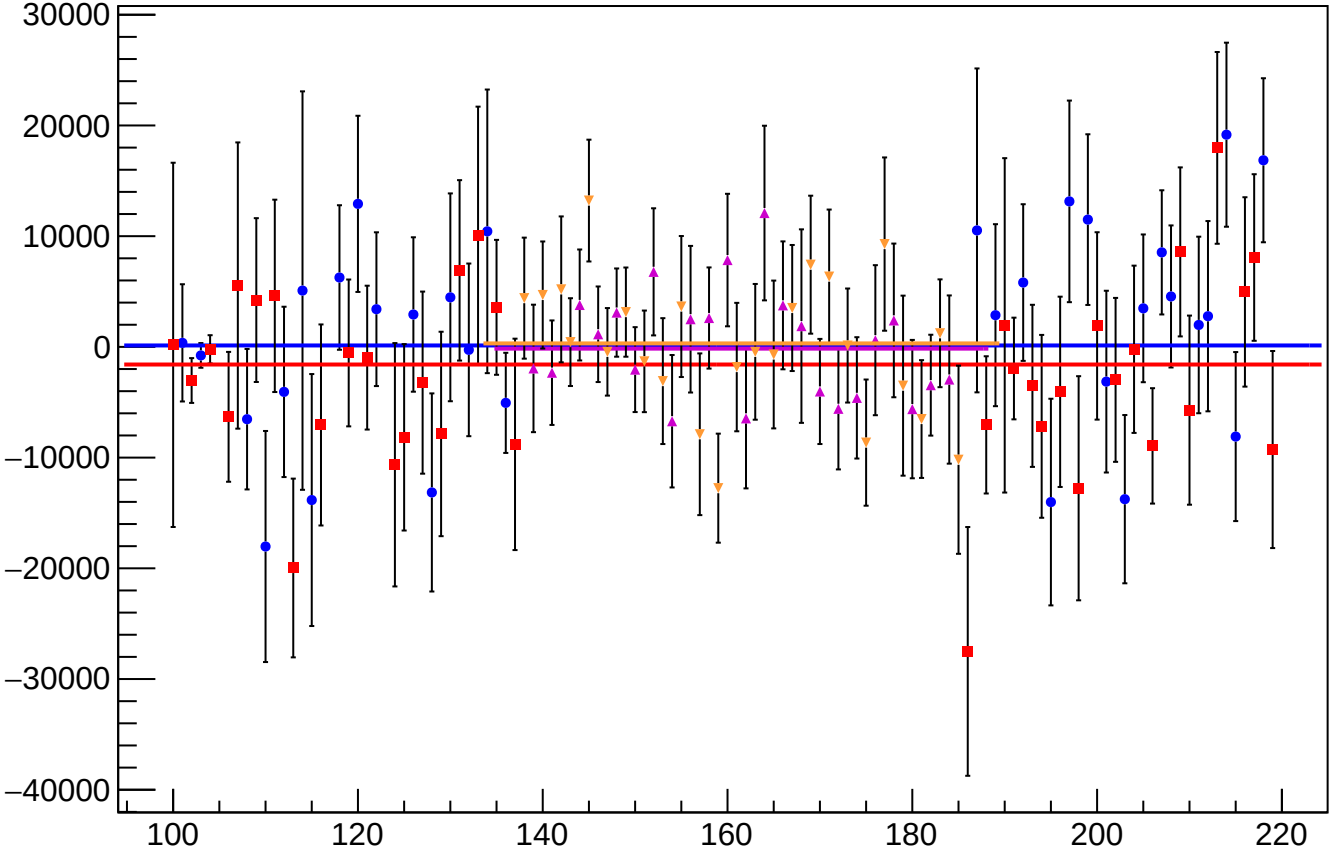
Right: 1844.831+/-0.204 χ^2/NDF: 834787.2/68

In: 1767.423+/-0.202 χ^2/NDF:414671.3/54

Out: 1780.455+/-0.198 χ^2/NDF:734726.2/61

All: 1774.049+/-0.141 χ^2/NDF: 1151518.0/11

asym_atl1r2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 129.423+/-861.209 χ^2/NDF: 40.8/31

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1591.994+/-836.402 χ^2/NDF: 34.8/36

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

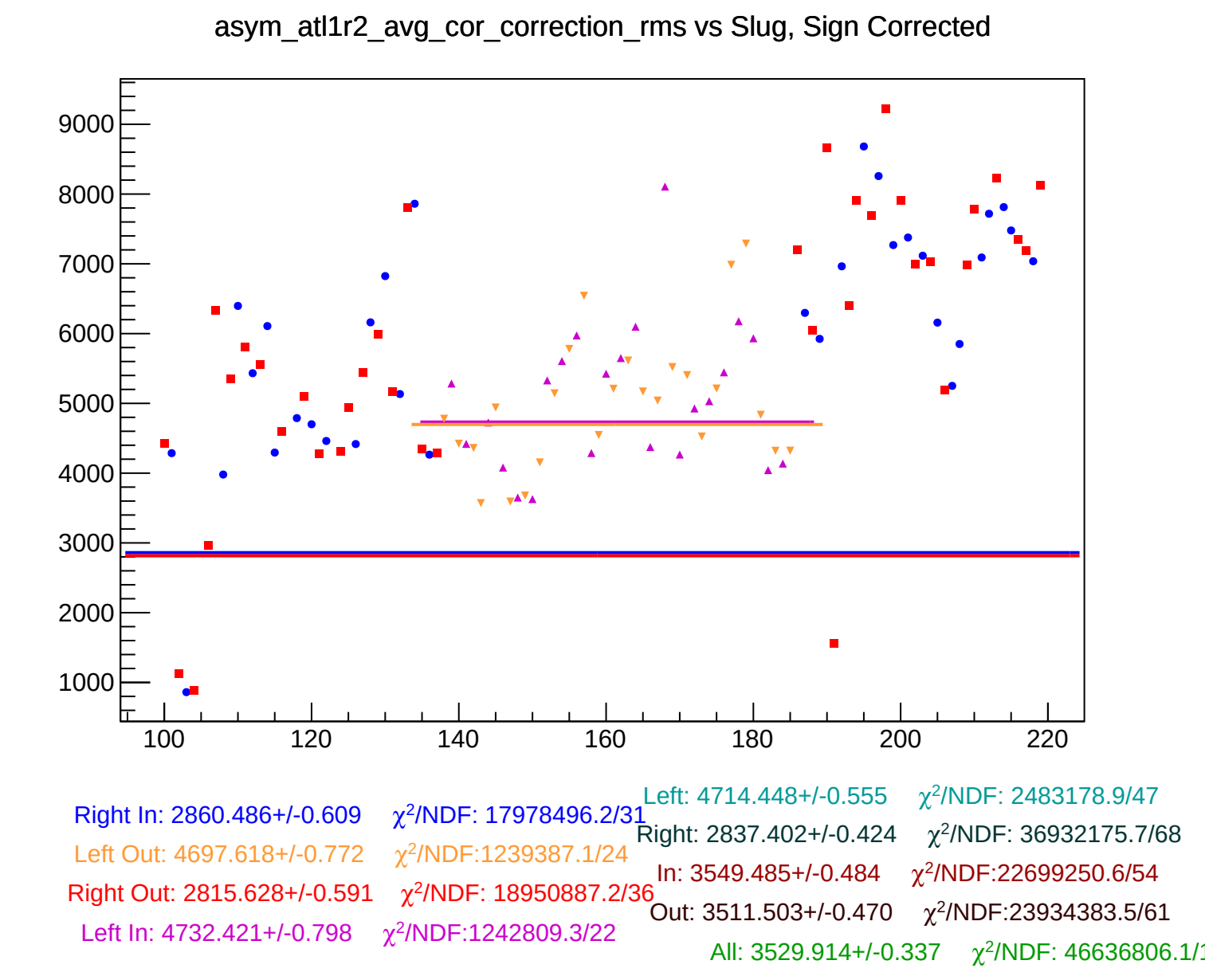
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

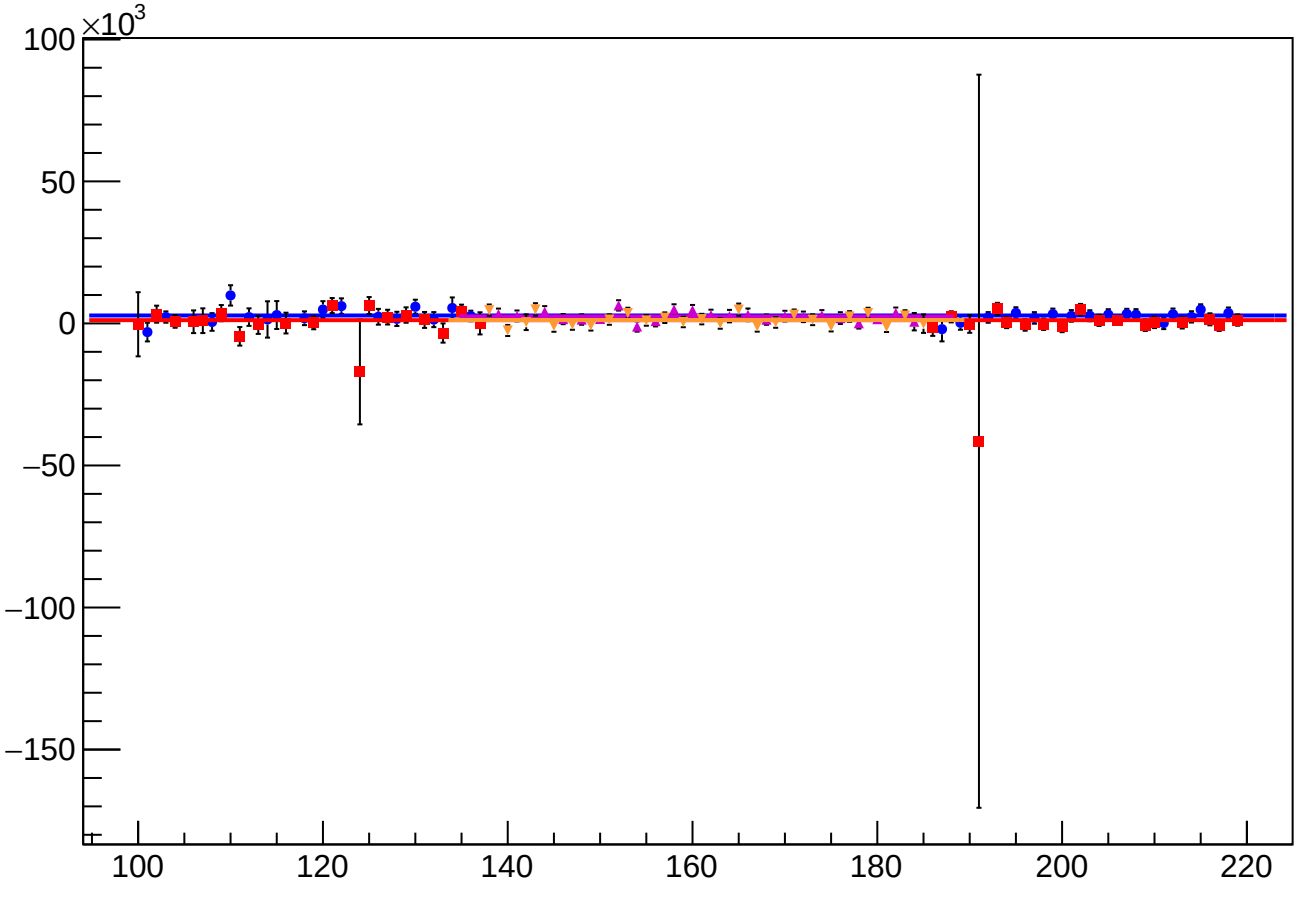
Right: -756.434+/-600.004 χ^2/NDF: 77.7/68

In: 23.640+/-684.610 χ^2/NDF:55.5/54

Out: -887.212+/-664.003 χ^2/NDF:63.8/61

All: -445.701+/-476.640 χ^2/NDF: 120.2/116


asym_atl1r2_avg_cor_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2860.486+/-0.609 χ²/NDF: 17978496.2/31
Left Out: 4697.618+/-0.772 χ²/NDF:1239387.1/24
Right Out: 2815.628+/-0.591 χ²/NDF: 18950887.2/36
Left In: 4732.421+/-0.798 χ²/NDF:1242809.3/22
Left: 4714.448+/-0.555 χ²/NDF: 2483178.9/47
Right: 2837.402+/-0.424 χ²/NDF: 36932175.7/68
In: 3549.485+/-0.484 χ²/NDF:22699250.6/54
Out: 3511.503+/-0.470 χ²/NDF:23934383.5/61
All: 3529.914+/-0.337 χ²/NDF: 46636806.1/1



Right In: 2792.858+/-409.503 χ^2/NDF: 18.7/31

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1150.192+/-405.234 χ^2/NDF: 30.1/36

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

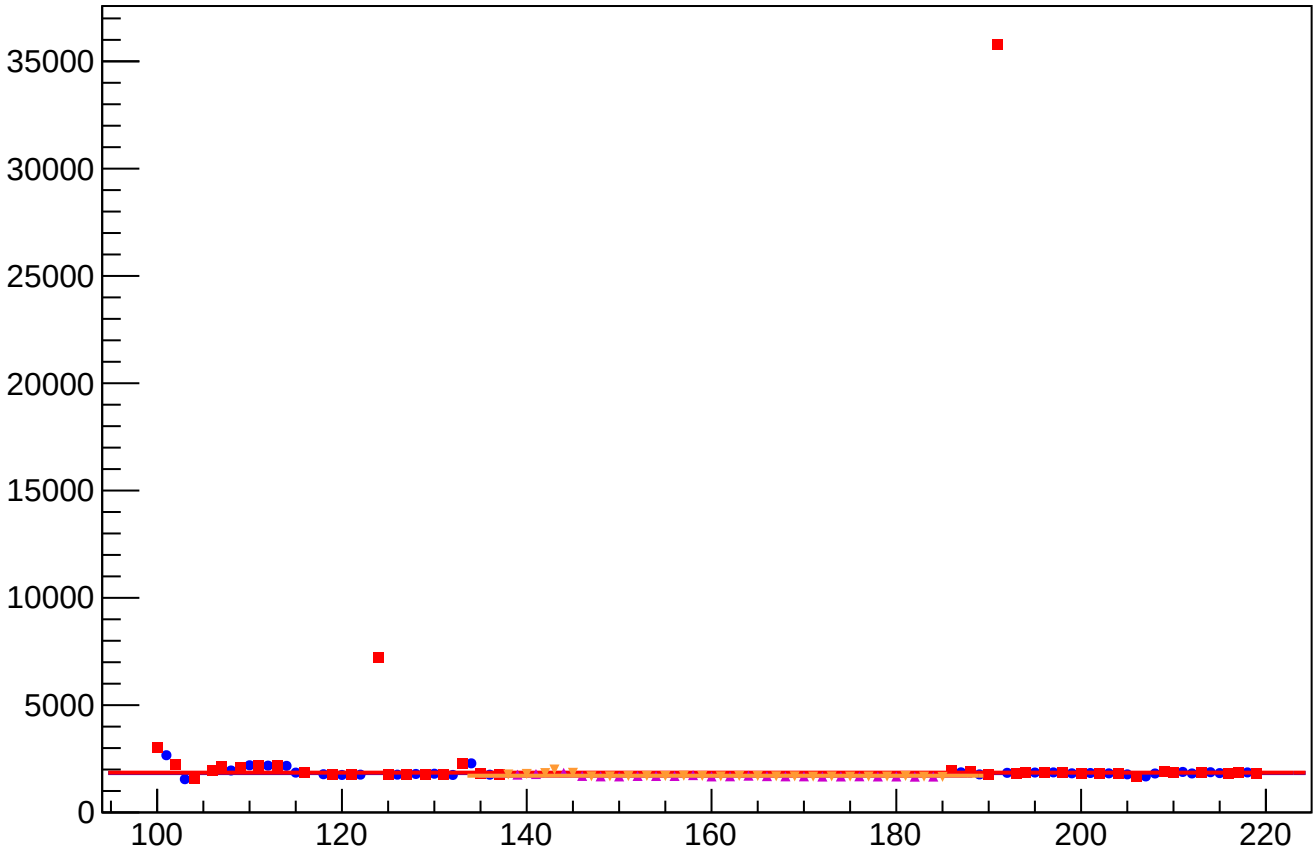
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 1962.918+/-288.041 χ^2/NDF: 57.0/68

In: 2610.845+/-285.397 χ^2/NDF:36.6/54

Out: 1177.304+/-280.679 χ^2/NDF:56.4/61

All: 1882.128+/-200.117 χ^2/NDF: 105.9/116



Right In: 1834.607+/-0.290 χ^2/NDF: 287423.7/31

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1854.829+/-0.286 χ^2/NDF: 544897.8/36

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

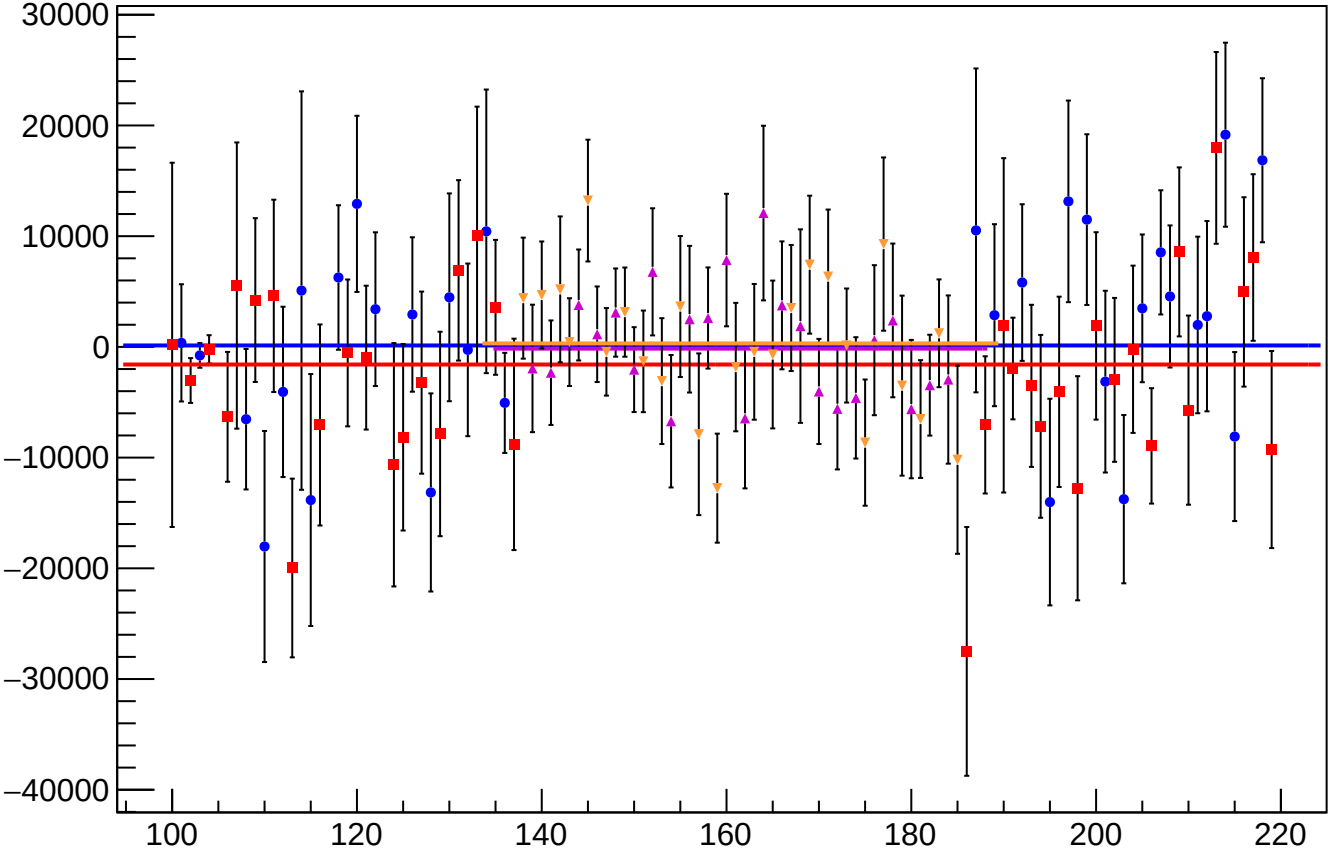
Right: 1844.831+/-0.204 χ^2/NDF: 834787.2/68

In: 1767.423+/-0.202 χ^2/NDF:414671.3/54

Out: 1780.455+/-0.198 χ^2/NDF:734726.2/61

All: 1774.049+/-0.141 χ^2/NDF: 1151518.0/11

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 129.423+/-861.209 χ^2/NDF: 40.8/31

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1591.994+/-836.402 χ^2/NDF: 34.8/36

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

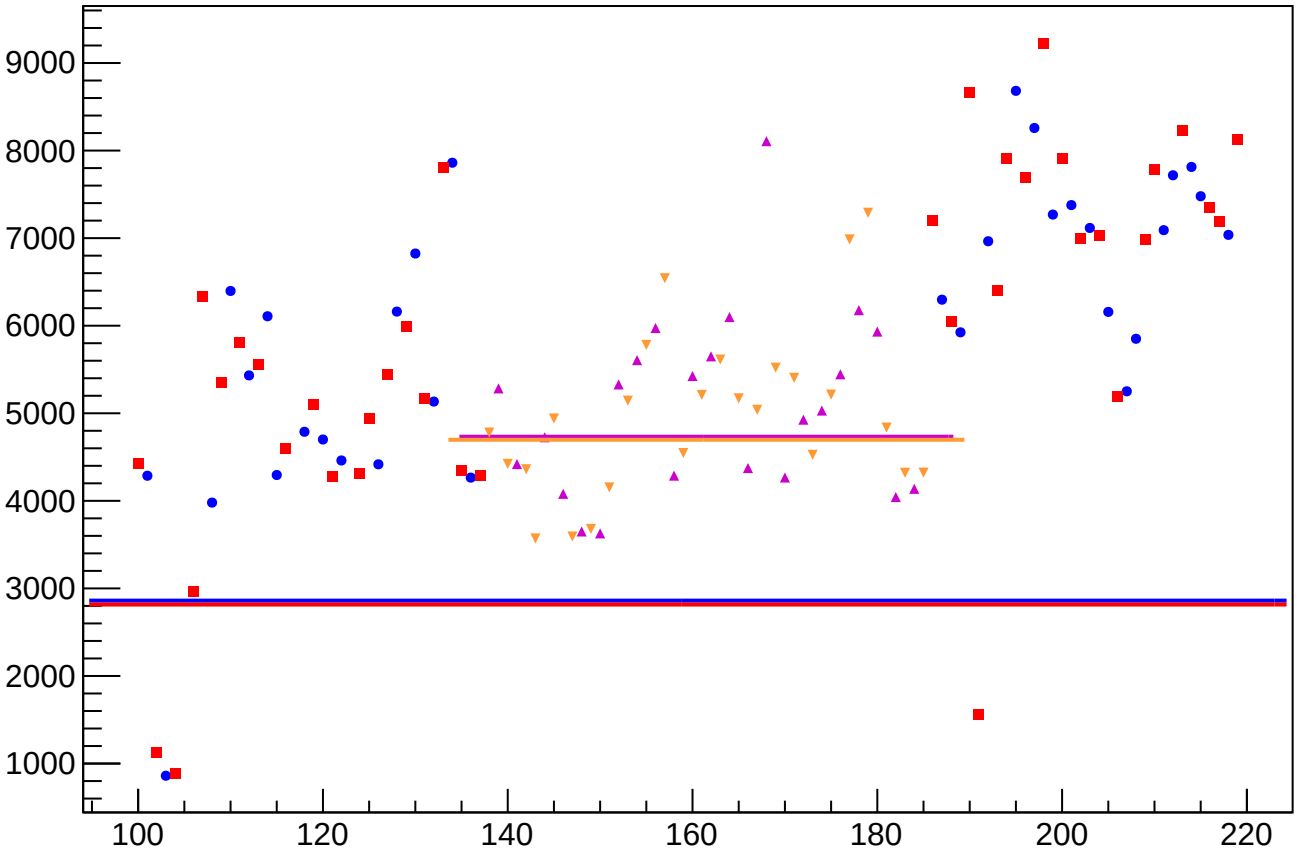
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -756.434+/-600.004 χ^2/NDF: 77.7/68

In: 23.640+/-684.610 χ^2/NDF:55.5/54

Out: -887.212+/-664.003 χ^2/NDF:63.8/61

All: -445.701+/-476.640 χ^2/NDF: 120.2/116



Right In: 2860.486+/-0.609 χ^2/NDF: 17978496.2/31

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2815.628+/-0.591 χ^2/NDF: 18950887.2/36

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

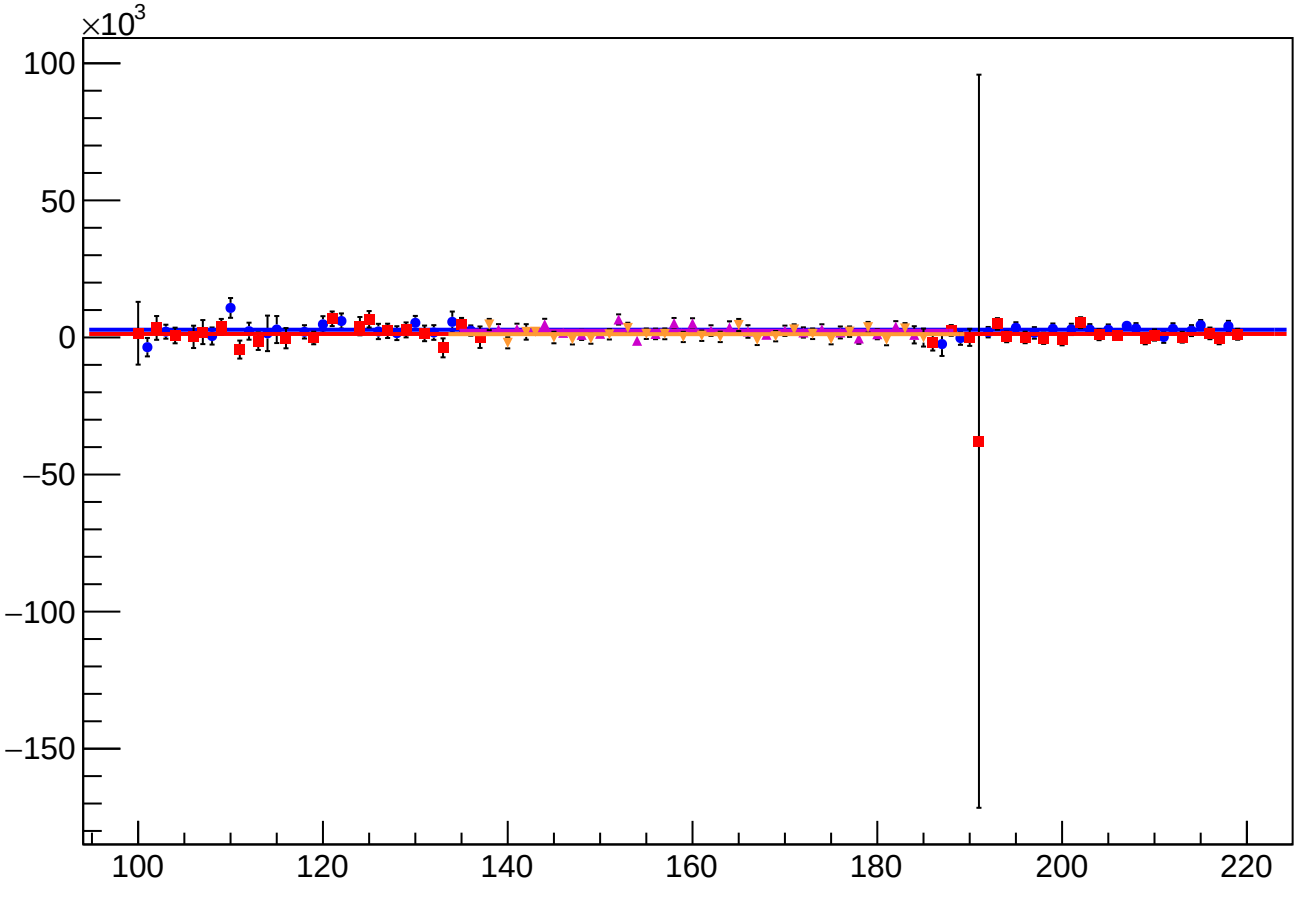
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2837.402+/-0.424 χ^2/NDF: 36932175.7/68

In: 3549.485+/-0.484 χ^2/NDF:22699250.6/54

Out: 3511.503+/-0.470 χ^2/NDF:23934383.5/61

All: 3529.914+/-0.337 χ^2/NDF: 46636806.1/1



Right In: 2822.580+/-417.268 χ^2/NDF: 20.1/31

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1273.085+/-411.315 χ^2/NDF: 31.7/36

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

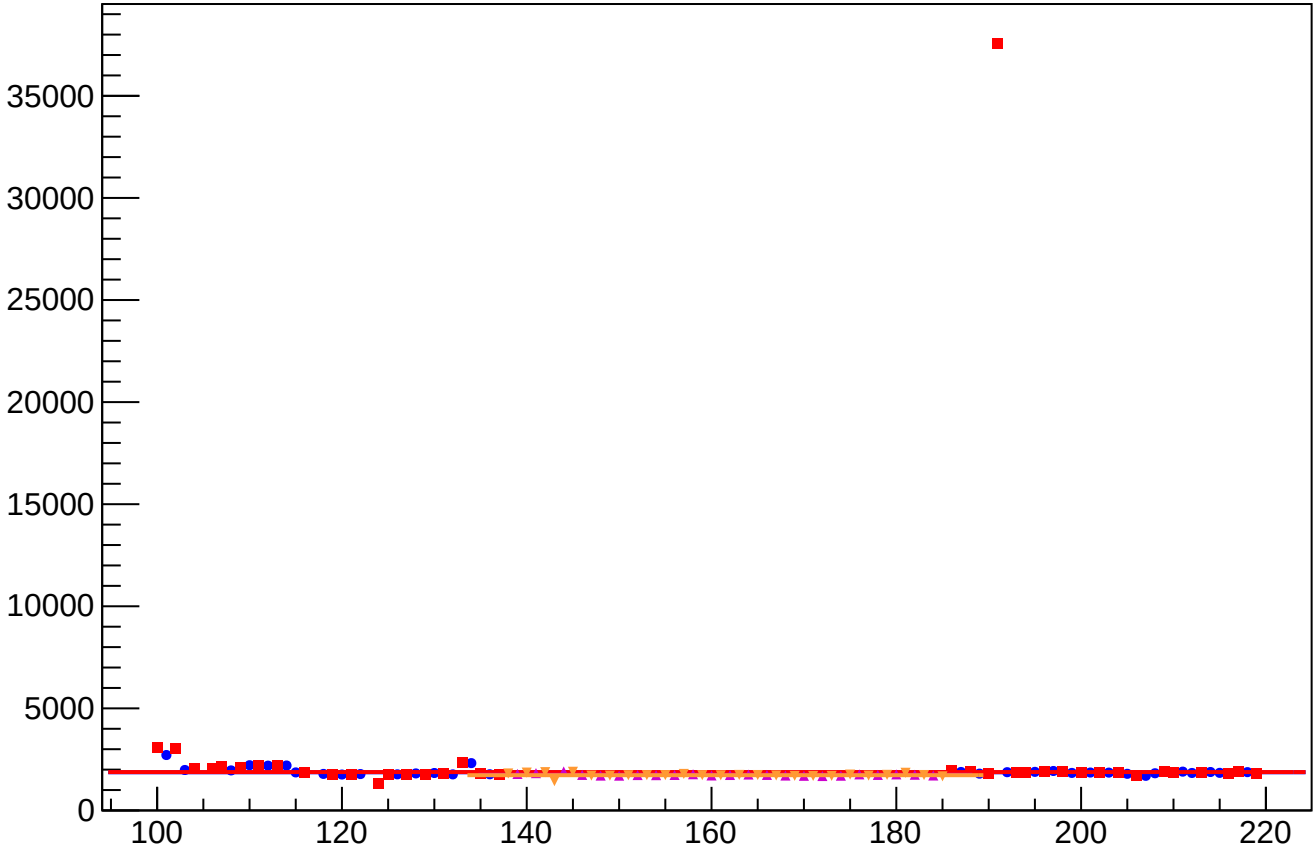
Right: 2036.700+/-292.925 χ^2/NDF: 58.8/68

In: 2625.792+/-291.557 χ^2/NDF:41.2/54

Out: 1233.498+/-284.140 χ^2/NDF:51.2/61

All: 1911.711+/-203.489 χ^2/NDF: 104.0/116

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1869.682+/-0.295 χ^2/NDF: 253175.6/31

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1879.899+/-0.291 χ^2/NDF: 523655.8/36

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

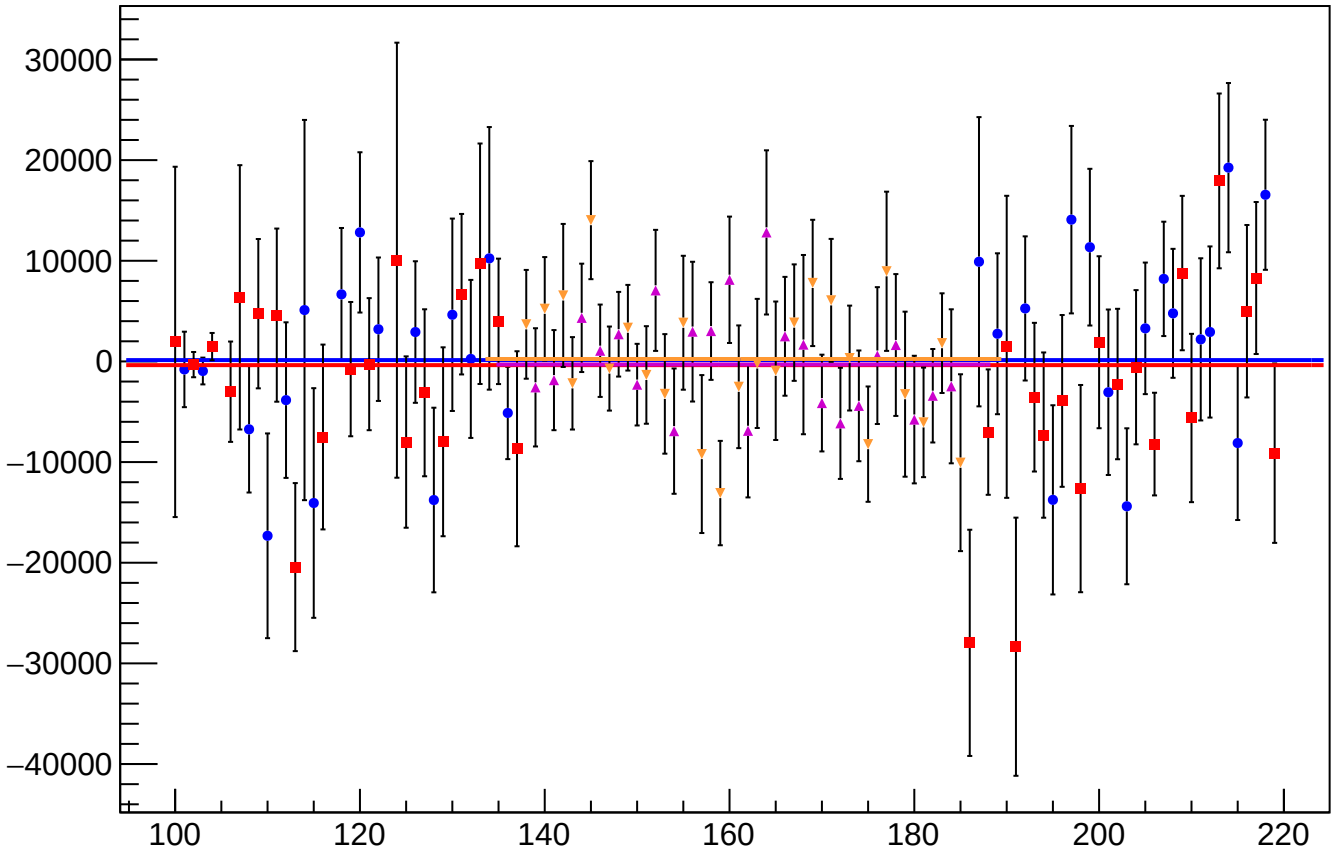
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1874.865+/-0.207 χ^2/NDF: 777439.8/68

In: 1805.684+/-0.206 χ^2/NDF:371900.3/54

Out: 1800.109+/-0.201 χ^2/NDF:778004.2/61

All: 1802.825+/-0.144 χ^2/NDF: 1150279.6/11



Right In: 131.944+/-937.593 χ^2/NDF: 40.4/31

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: -368.518+/-765.175 χ^2/NDF: 40.0/36

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

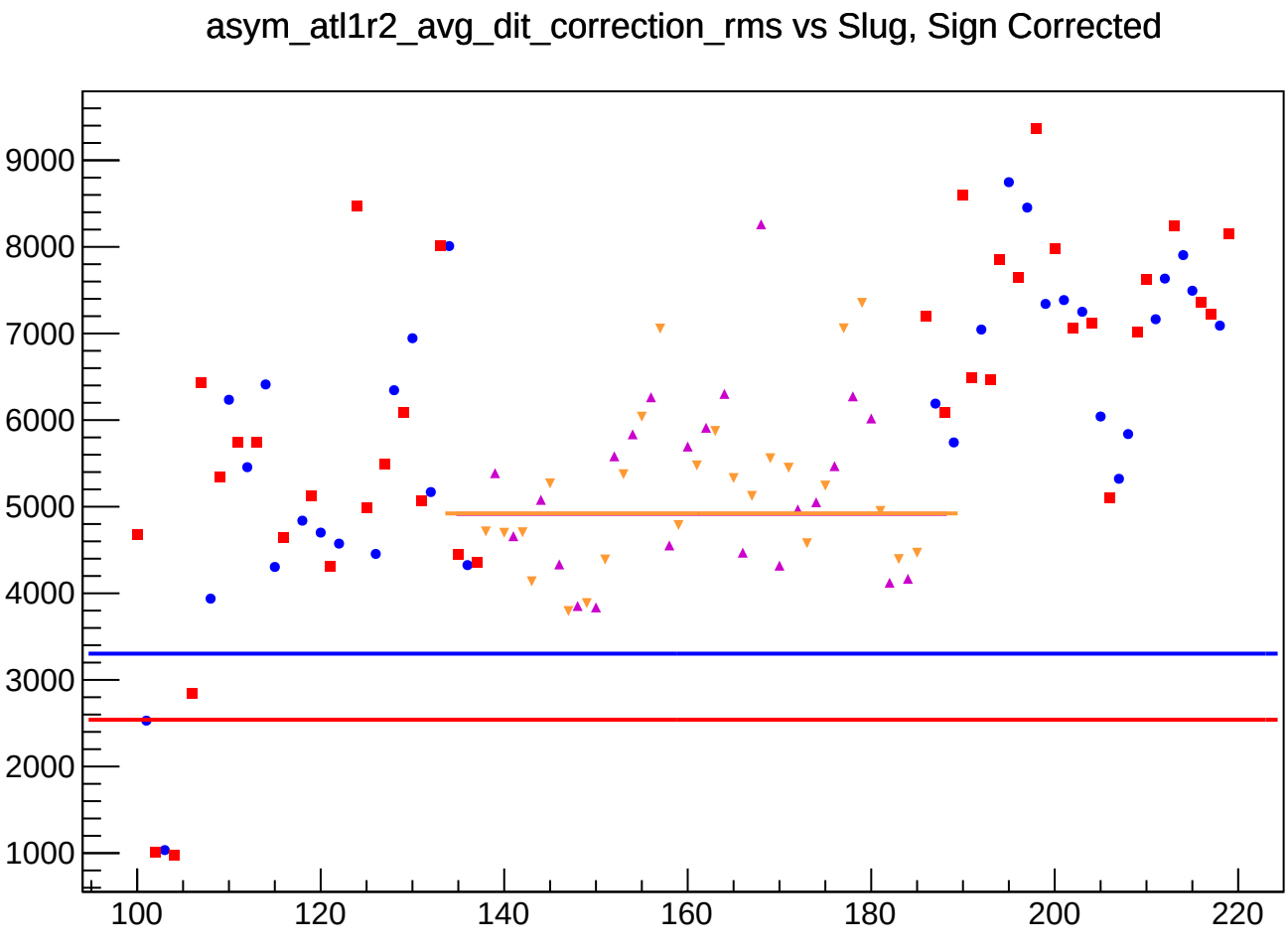
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -168.448+/-592.816 χ^2/NDF: 80.6/68

In: -39.175+/-731.900 χ^2/NDF:55.0/54

Out: -179.386+/-635.496 χ^2/NDF:66.9/61

All: -119.117+/-479.853 χ^2/NDF: 121.9/116



Right In: 3303.322+/-0.663 χ^2/NDF: 14838780.6/31

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2539.700+/-0.541 χ^2/NDF: 20746438.6/36

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

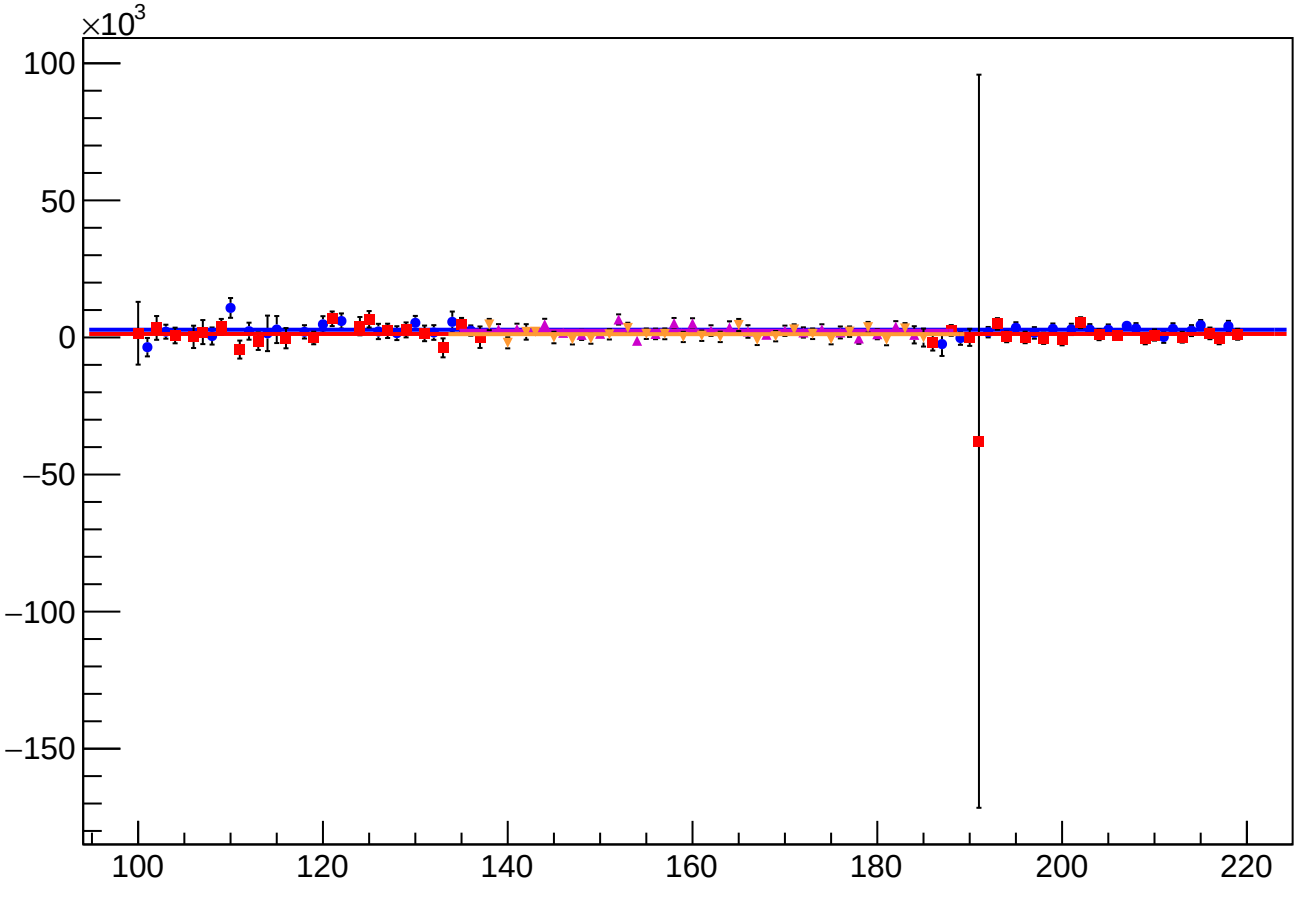
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2844.973+/-0.419 χ^2/NDF: 36381517.9/68

In: 3933.674+/-0.518 χ^2/NDF:18314571.9/54

Out: 3278.880+/-0.449 χ^2/NDF:27813073.1/61

All: 3560.341+/-0.339 χ^2/NDF: 47040343.3/1



Right In: 2822.572+/-417.267 χ^2/NDF: 20.1/31

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1273.087+/-411.314 χ^2/NDF: 31.7/36

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

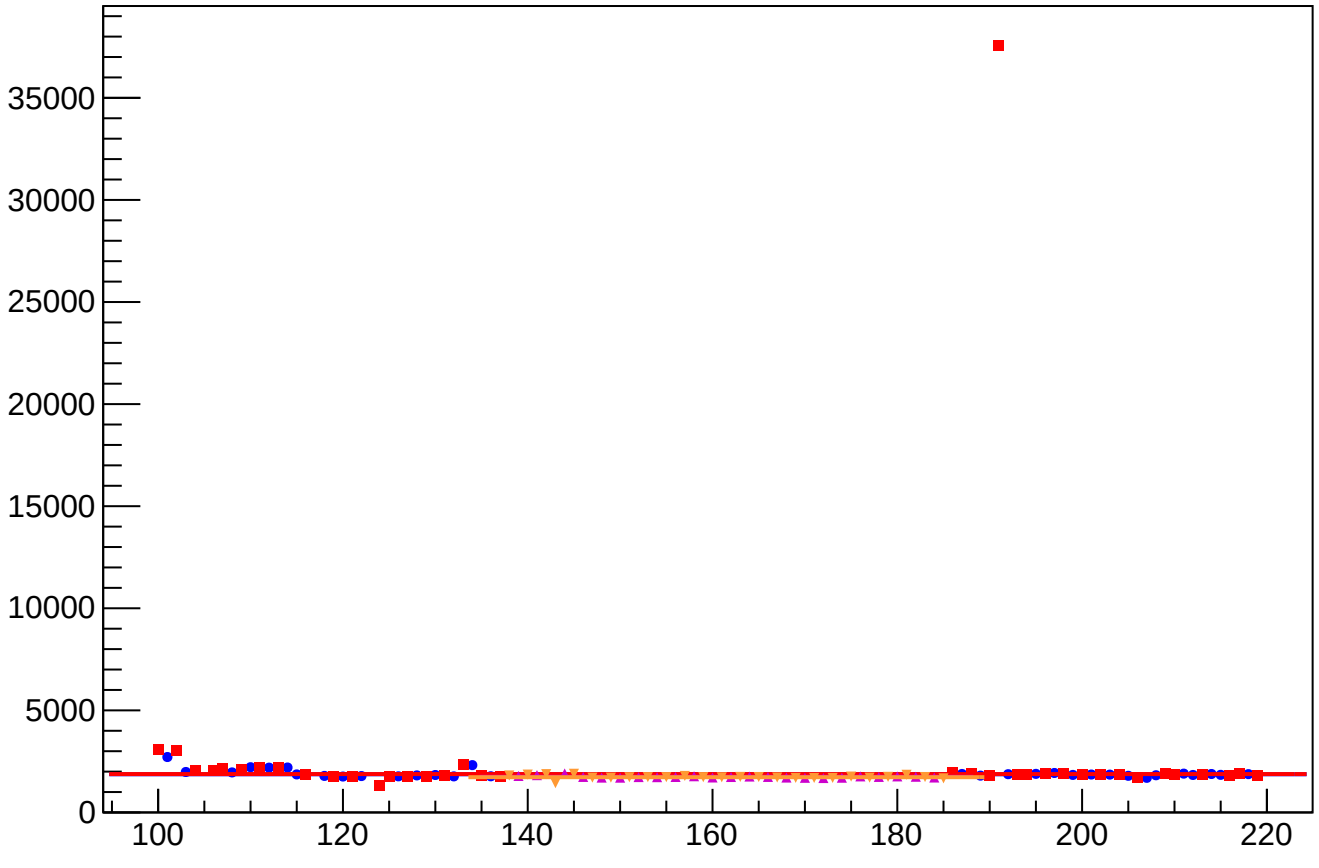
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2036.698+/-292.925 χ^2/NDF: 58.8/68

In: 2625.789+/-291.557 χ^2/NDF:41.2/54

Out: 1233.496+/-284.140 χ^2/NDF:51.2/61

All: 1911.708+/-203.489 χ^2/NDF: 104.0/116



Right In: 1869.681+/-0.295 χ^2/NDF: 253175.6/31

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1879.899+/-0.291 χ^2/NDF: 523654.6/36

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

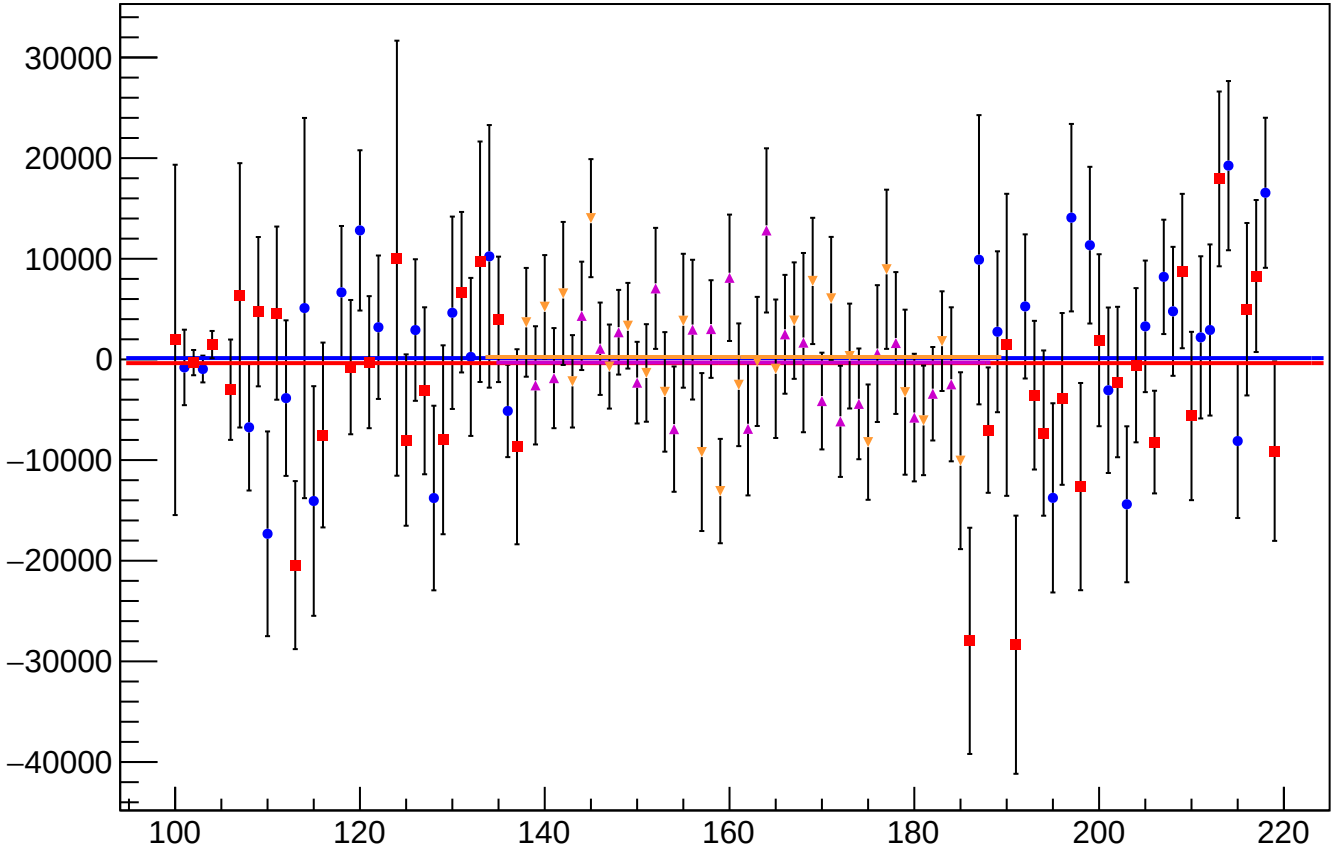
Right: 1874.865+/-0.207 χ^2/NDF: 777438.6/68

In: 1805.685+/-0.206 χ^2/NDF:371898.8/54

Out: 1800.109+/-0.201 χ^2/NDF:778000.1/61

All: 1802.825+/-0.144 χ^2/NDF: 1150274.0/11

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 131.944+/-937.593 χ^2/NDF: 40.4/31

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -368.521+/-765.175 χ^2/NDF: 40.0/36

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

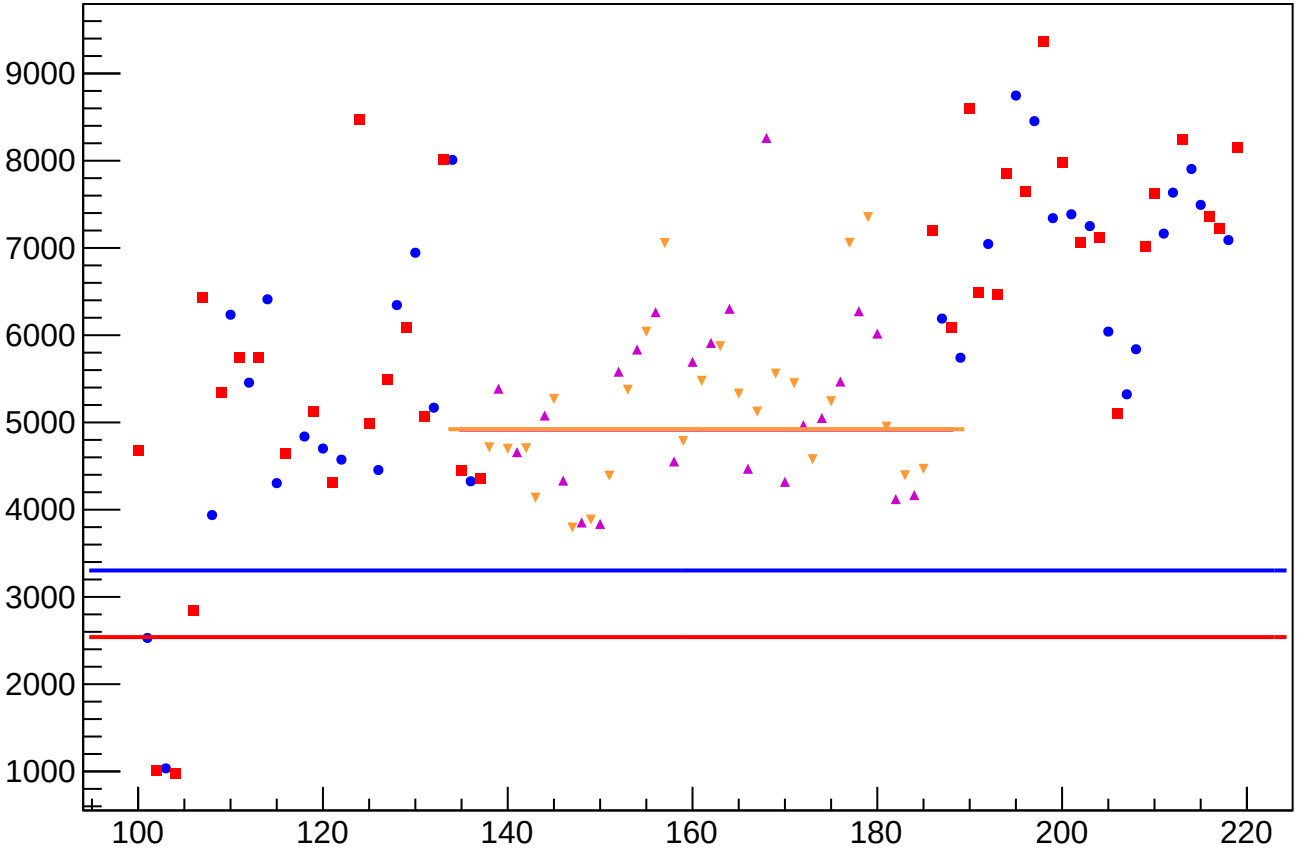
Right: -168.450+/-592.815 χ^2/NDF: 80.6/68

In: -39.176+/-731.900 χ^2/NDF:55.0/54

Out: -179.389+/-635.496 χ^2/NDF:66.9/61

All: -119.119+/-479.854 χ^2/NDF: 121.9/116

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3303.320+/-0.663 χ^2/NDF: 14838793.3/31

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2539.698+/-0.541 χ^2/NDF: 20746446.0/36

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

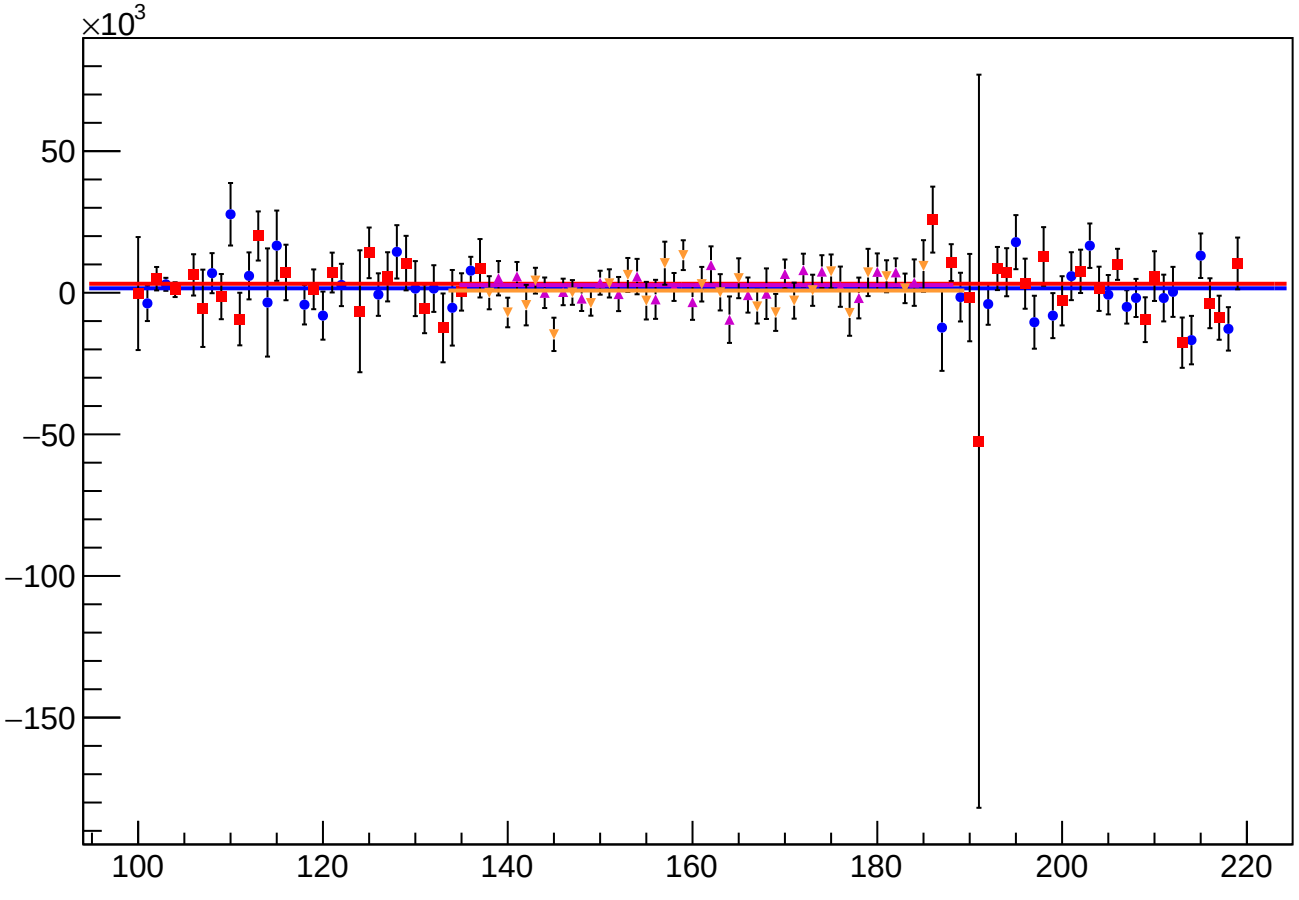
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2844.972+/-0.419 χ^2/NDF: 36381537.4/68

In: 3933.674+/-0.518 χ^2/NDF:18314612.0/54

Out: 3278.879+/-0.449 χ^2/NDF:27813117.9/61

All: 3560.341+/-0.339 χ^2/NDF: 47040429.8/1



Right In: 1566.440+/-1219.001 χ^2/NDF: 38.4/31

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 3174.479+/-1224.858 χ^2/NDF: 34.6/36

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

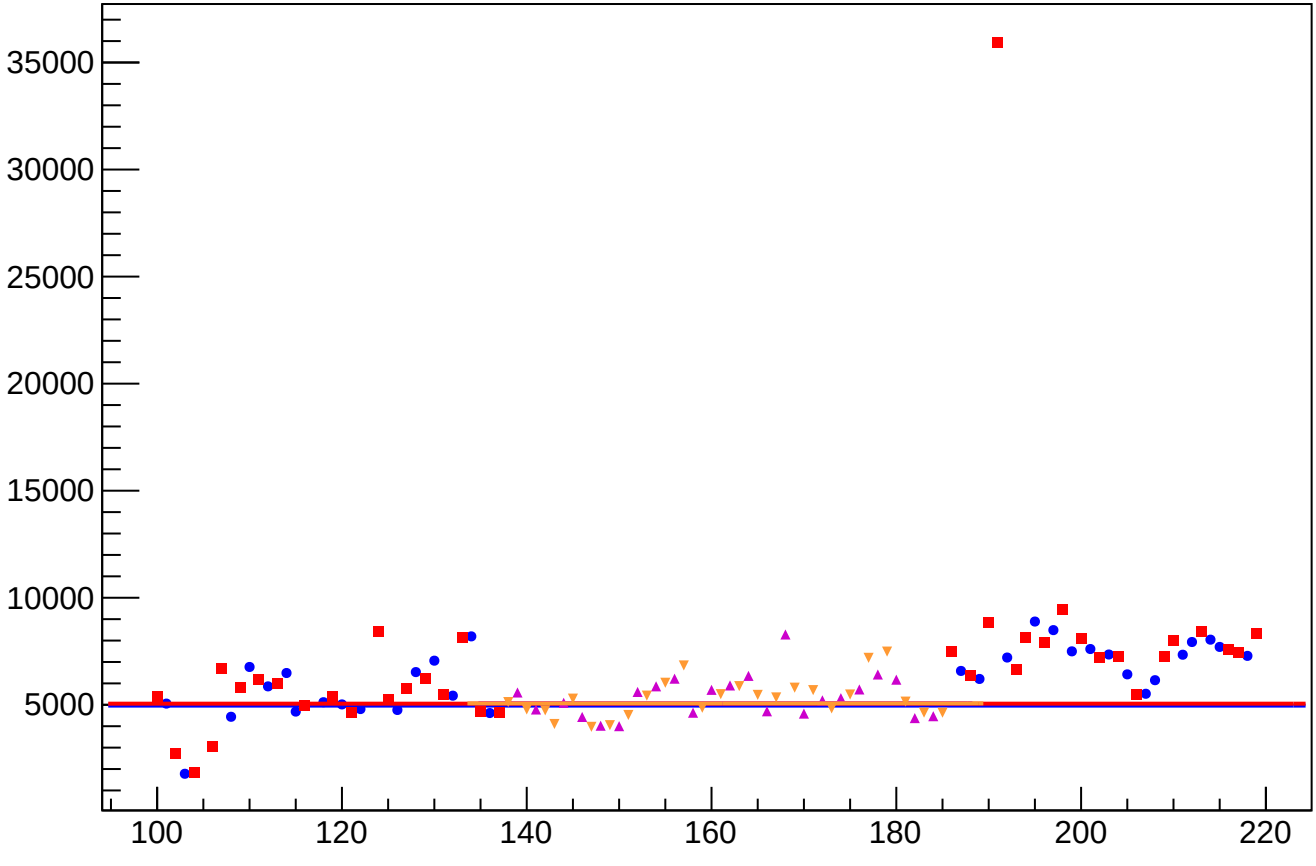
Right: 2366.606+/-864.027 χ^2/NDF: 73.9/68

In: 2141.961+/-857.431 χ^2/NDF:50.8/54

Out: 1928.581+/-846.786 χ^2/NDF:64.1/61

All: 2033.938+/-602.496 χ^2/NDF: 115.0/116

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 4963.016+/-0.862 χ^2/NDF: 6951547.6/31

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 5052.664+/-0.861 χ^2/NDF: 7415343.4/36

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

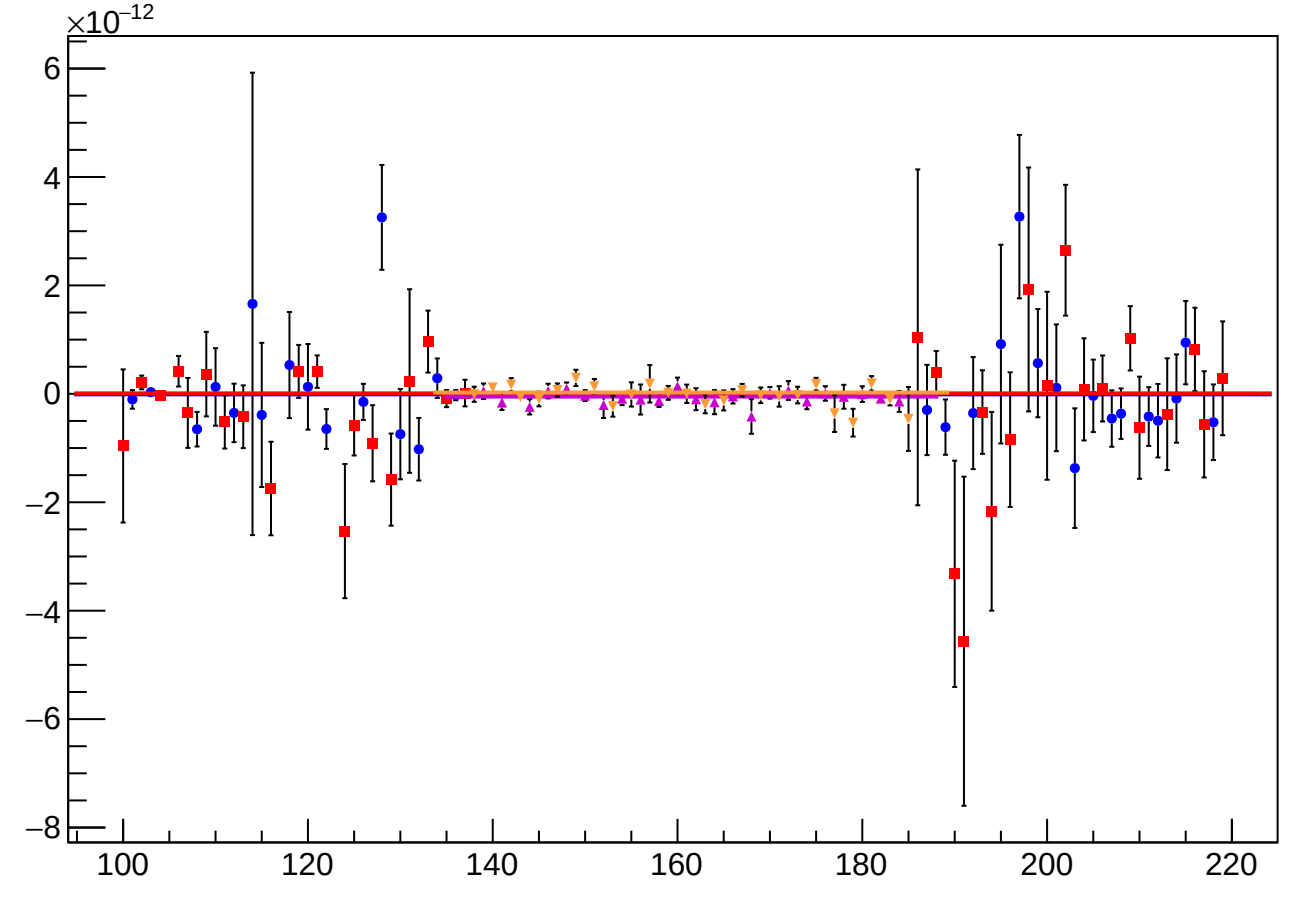
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

Right: 5007.907+/-0.609 χ^2/NDF: 14372307.4/68

In: 5021.977+/-0.606 χ^2/NDF:7962050.0/54

Out: 5060.569+/-0.597 χ^2/NDF:8369759.7/61

All: 5041.572+/-0.425 χ^2/NDF: 16333866.9/1



Right In: -0.000+/-0.000 χ^2/NDF: 38.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.9/36

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

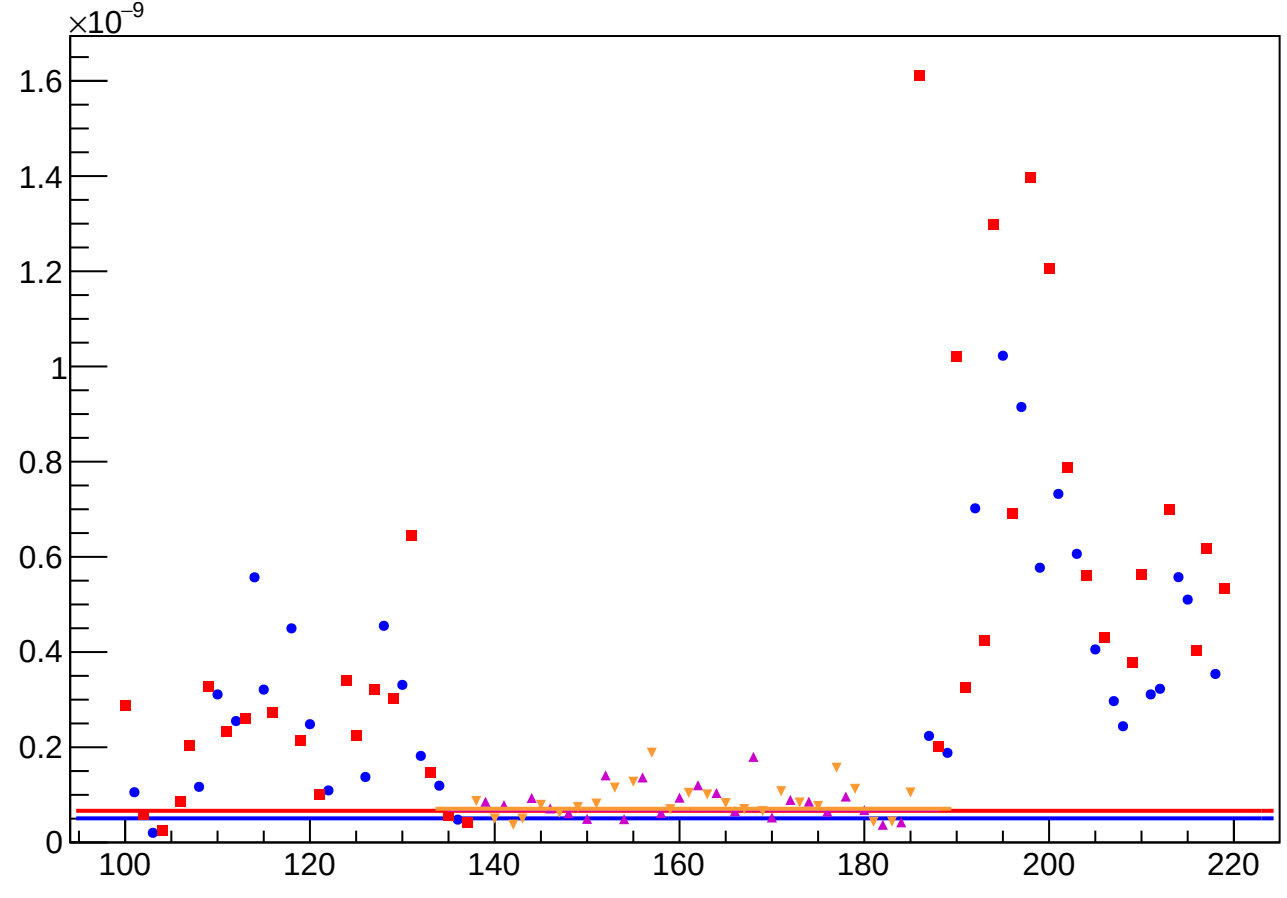
Left: -0.000+/-0.000 χ^2/NDF: 37.9/47

Right: -0.000+/-0.000 χ^2/NDF: 85.4/68

In: -0.000+/-0.000 χ^2/NDF:50.2/54

Out: 0.000+/-0.000 χ^2/NDF:70.6/61

All: -0.000+/-0.000 χ^2/NDF: 123.4/116



Right In: 0.000+/-0.000 χ^2/NDF: 11393977.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13040679.1/36

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

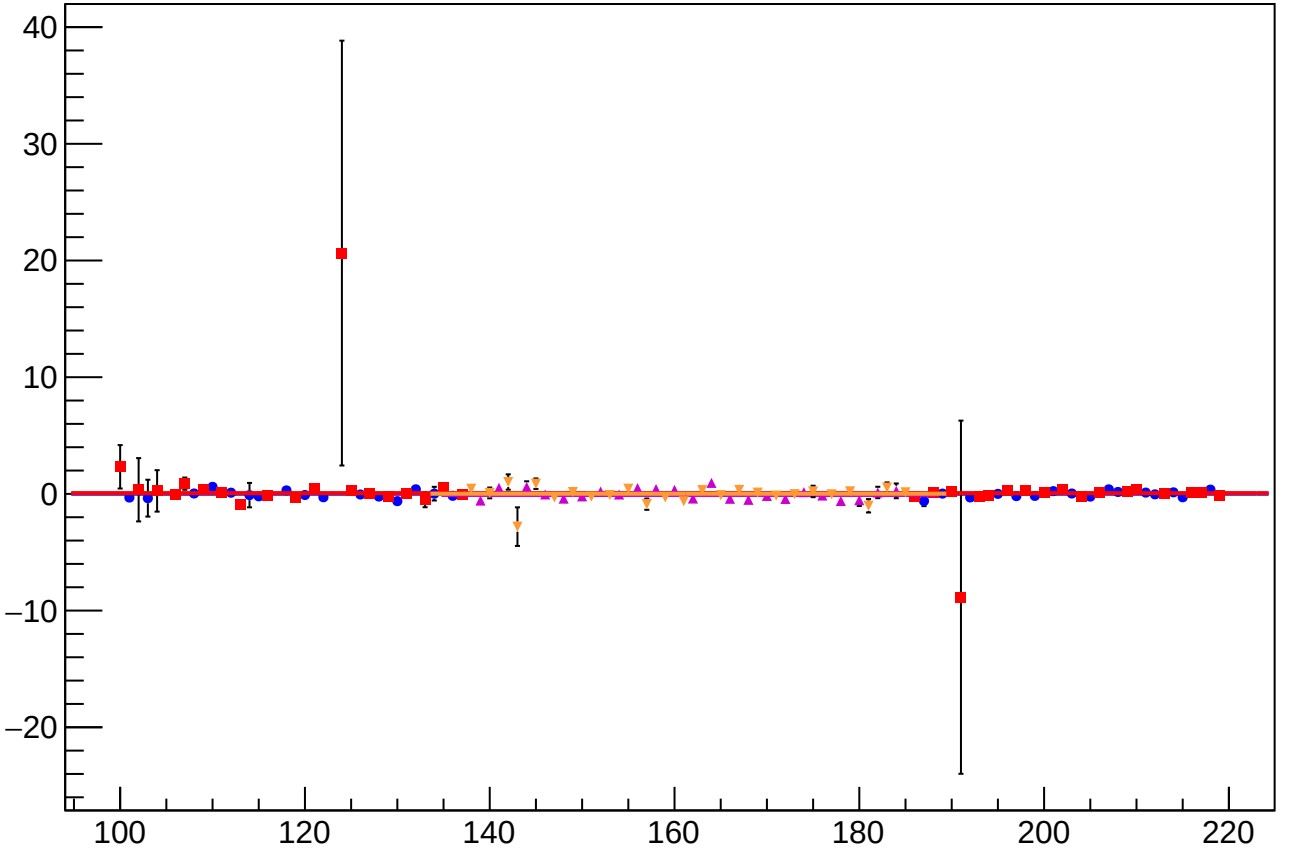
Right: 0.000+/-0.000 χ^2/NDF: 24592664.8/68

In: 0.000+/-0.000 χ^2/NDF:13138792.9/54

Out: 0.000+/-0.000 χ^2/NDF:14543611.8/61

All: 0.000+/-0.000 χ^2/NDF: 27800761.1/116

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.045 χ^2/NDF: 32.7/31

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.063+/-0.041 χ^2/NDF: 33.9/36

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

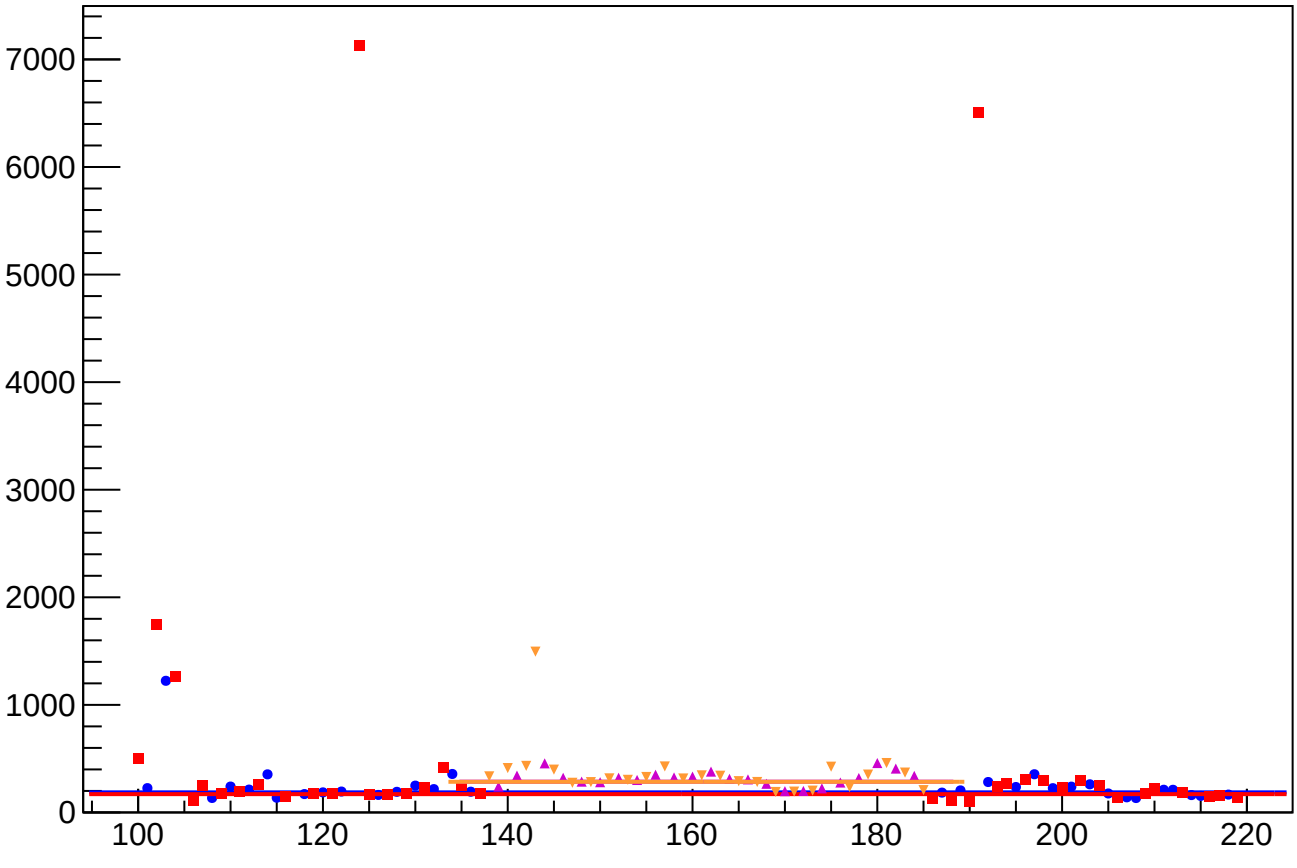
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.042+/-0.030 χ^2/NDF: 67.2/68

In: -0.013+/-0.038 χ^2/NDF:65.3/54

Out: 0.051+/-0.035 χ^2/NDF:62.5/61

All: 0.021+/-0.026 χ^2/NDF: 129.4/116



Right In: 186.854+/-0.032 χ^2/NDF: 2914302.9/31

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 170.234+/-0.029 χ^2/NDF: 5620424.0/36

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

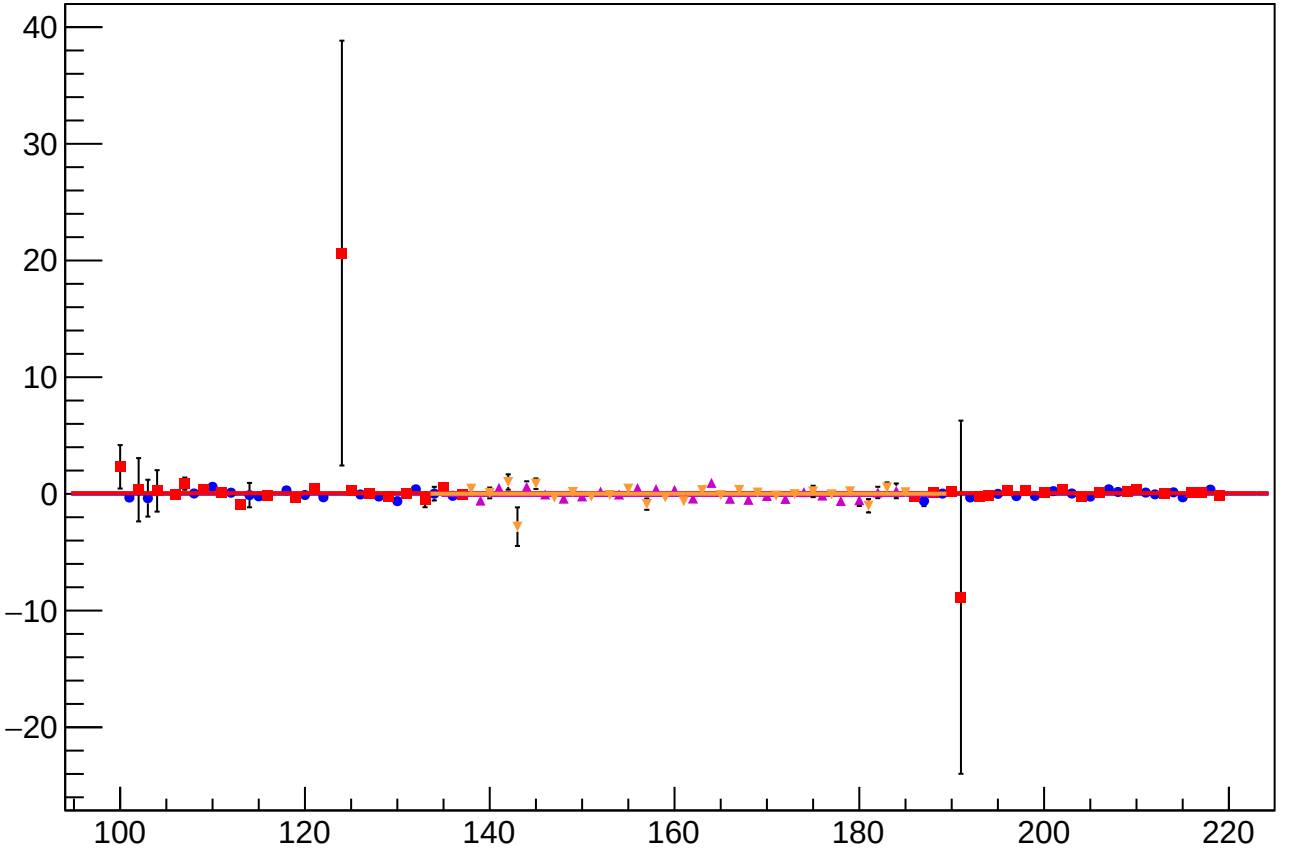
Right: 177.859+/-0.021 χ^2/NDF: 8684057.7/68

In: 215.336+/-0.027 χ^2/NDF:7475828.1/54

Out: 199.883+/-0.025 χ^2/NDF:13038073.7/61

All: 207.128+/-0.018 χ^2/NDF: 20691740.5/11

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.045 χ^2/NDF: 32.7/31

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.063+/-0.041 χ^2/NDF: 33.9/36

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

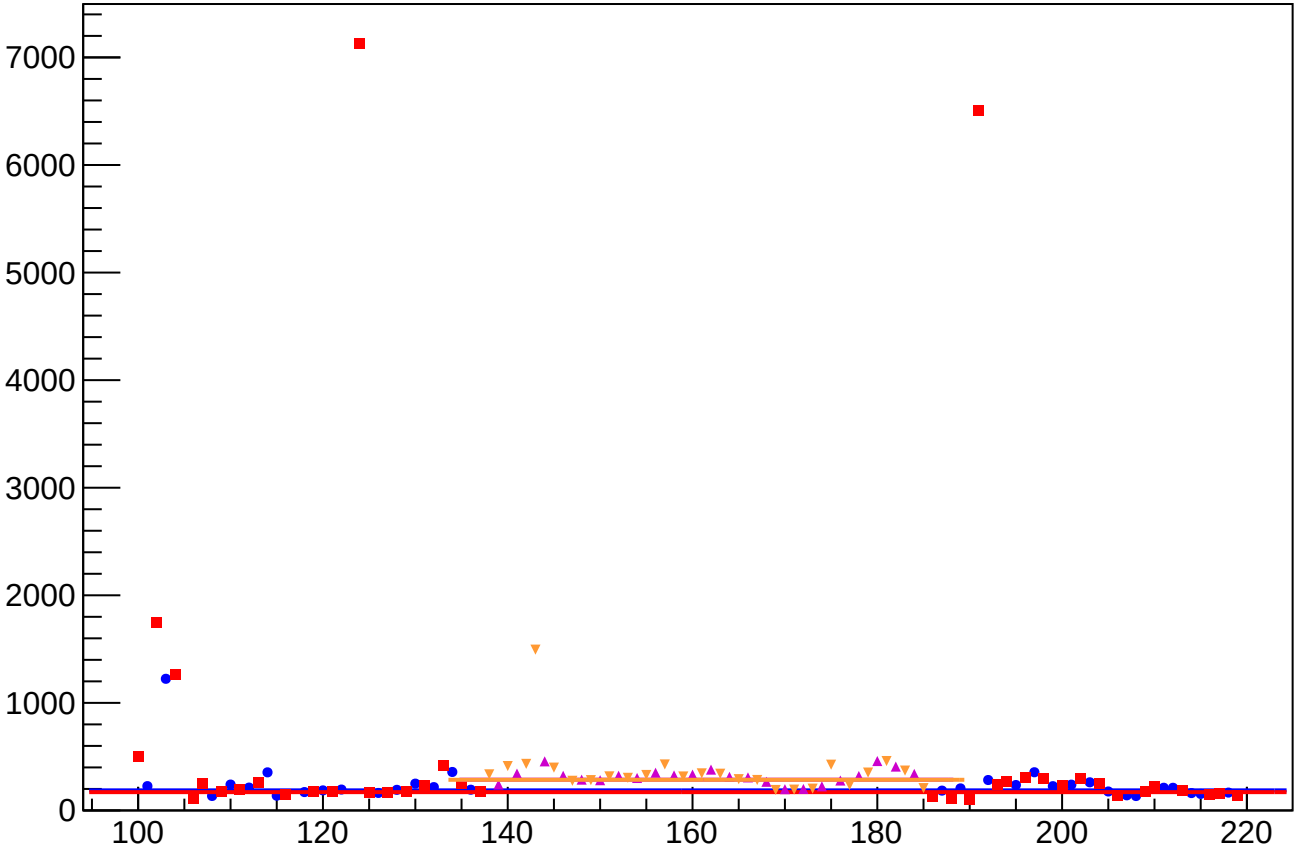
Right: 0.042+/-0.030 χ^2/NDF: 67.2/68

In: -0.013+/-0.038 χ^2/NDF:65.3/54

Out: 0.051+/-0.035 χ^2/NDF:62.5/61

All: 0.021+/-0.026 χ^2/NDF: 129.4/116

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 186.854+/-0.032 χ^2/NDF: 2914302.9/31

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 170.234+/-0.029 χ^2/NDF: 5620424.0/36

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

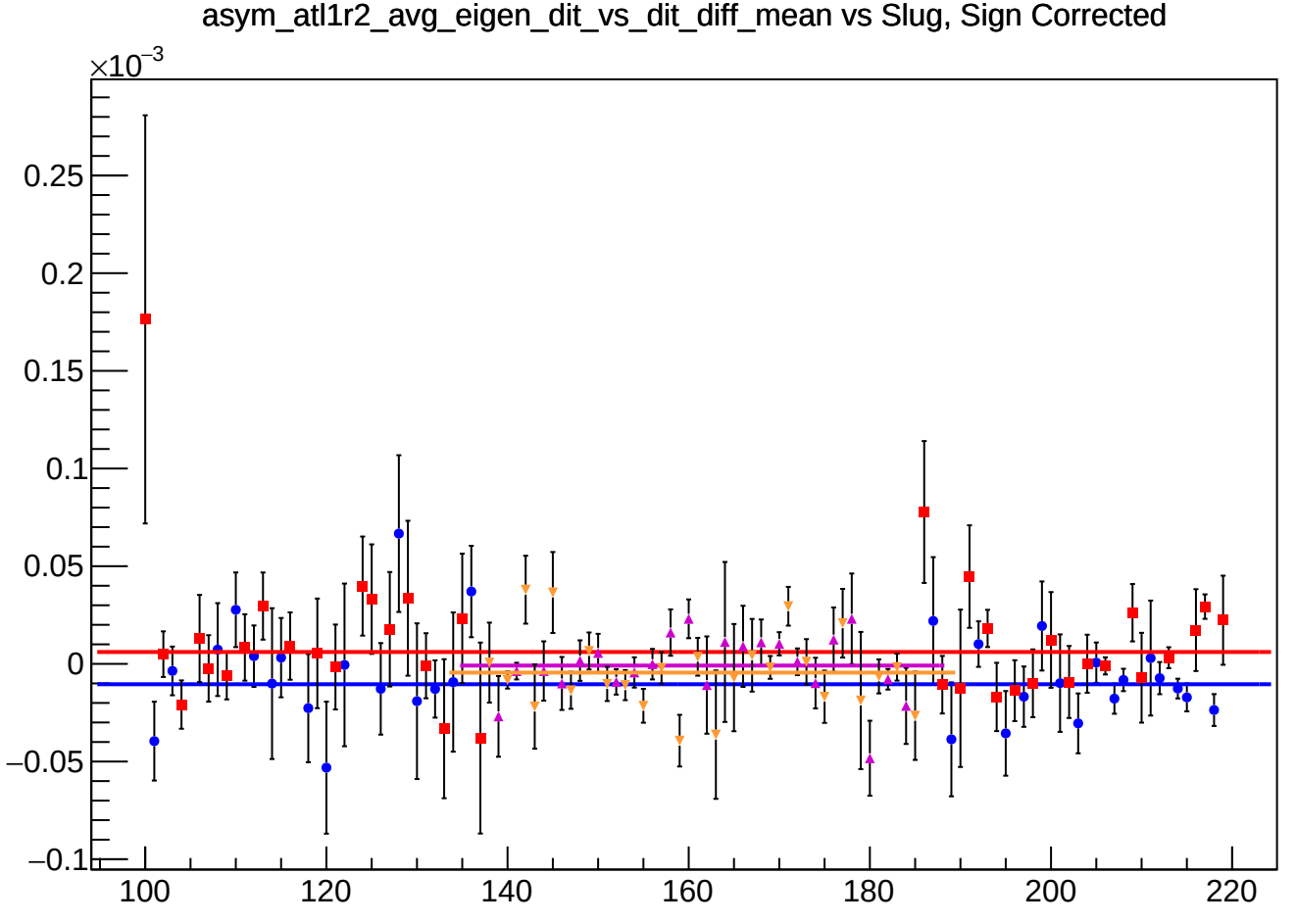
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 177.859+/-0.021 χ^2/NDF: 8684057.7/68

In: 215.336+/-0.027 χ^2/NDF:7475828.1/54

Out: 199.883+/-0.025 χ^2/NDF:13038073.7/61

All: 207.128+/-0.018 χ^2/NDF: 20691740.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 34.2/31

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 50.6/36

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

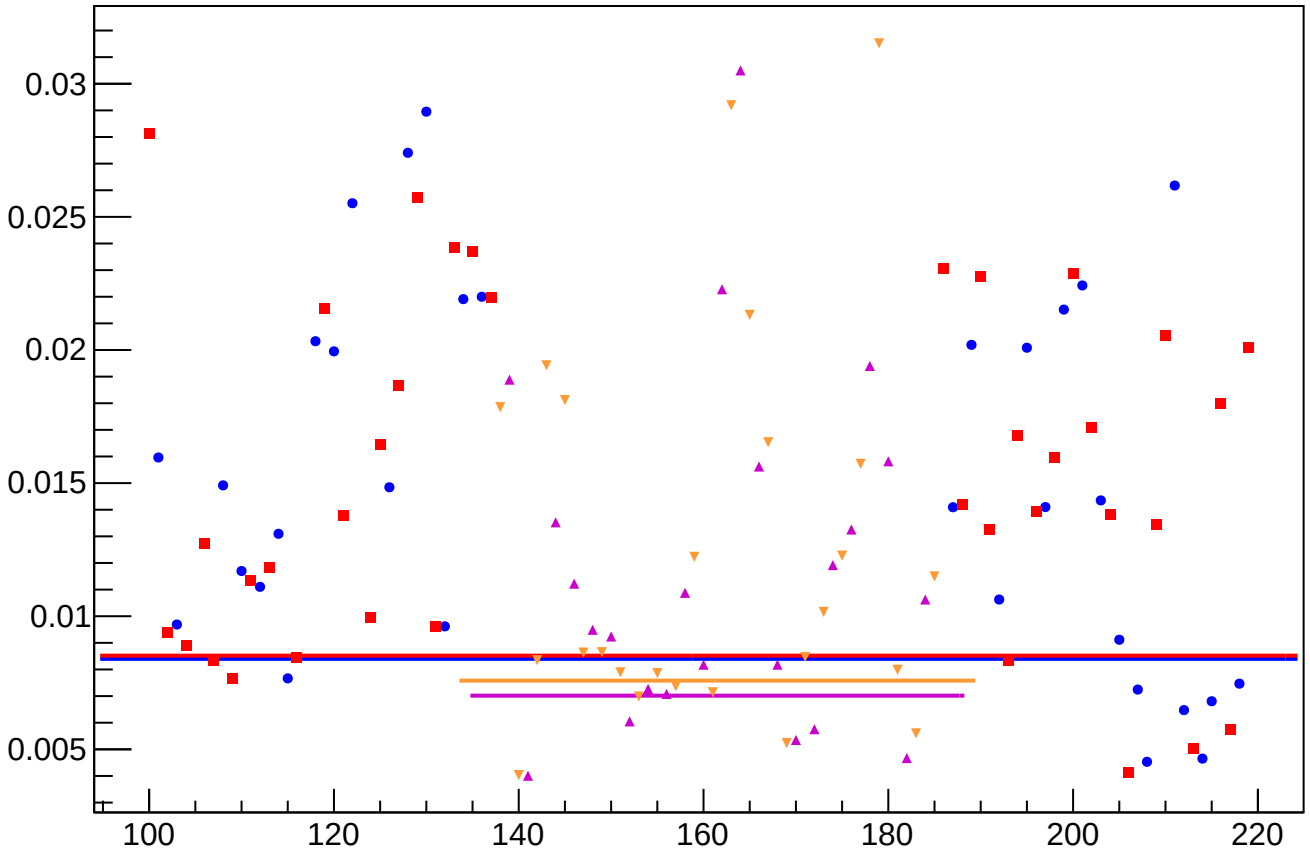
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: -0.000+/-0.000 χ^2/NDF: 113.0/68

In: -0.000+/-0.000 χ^2/NDF:73.8/54

Out: 0.000+/-0.000 χ^2/NDF:107.4/61

All: -0.000+/-0.000 χ^2/NDF: 187.7/116



Right In: 0.008+/-0.000 χ^2/NDF: 9598006.3/31

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.009+/-0.000 χ^2/NDF: 10868558.5/36

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

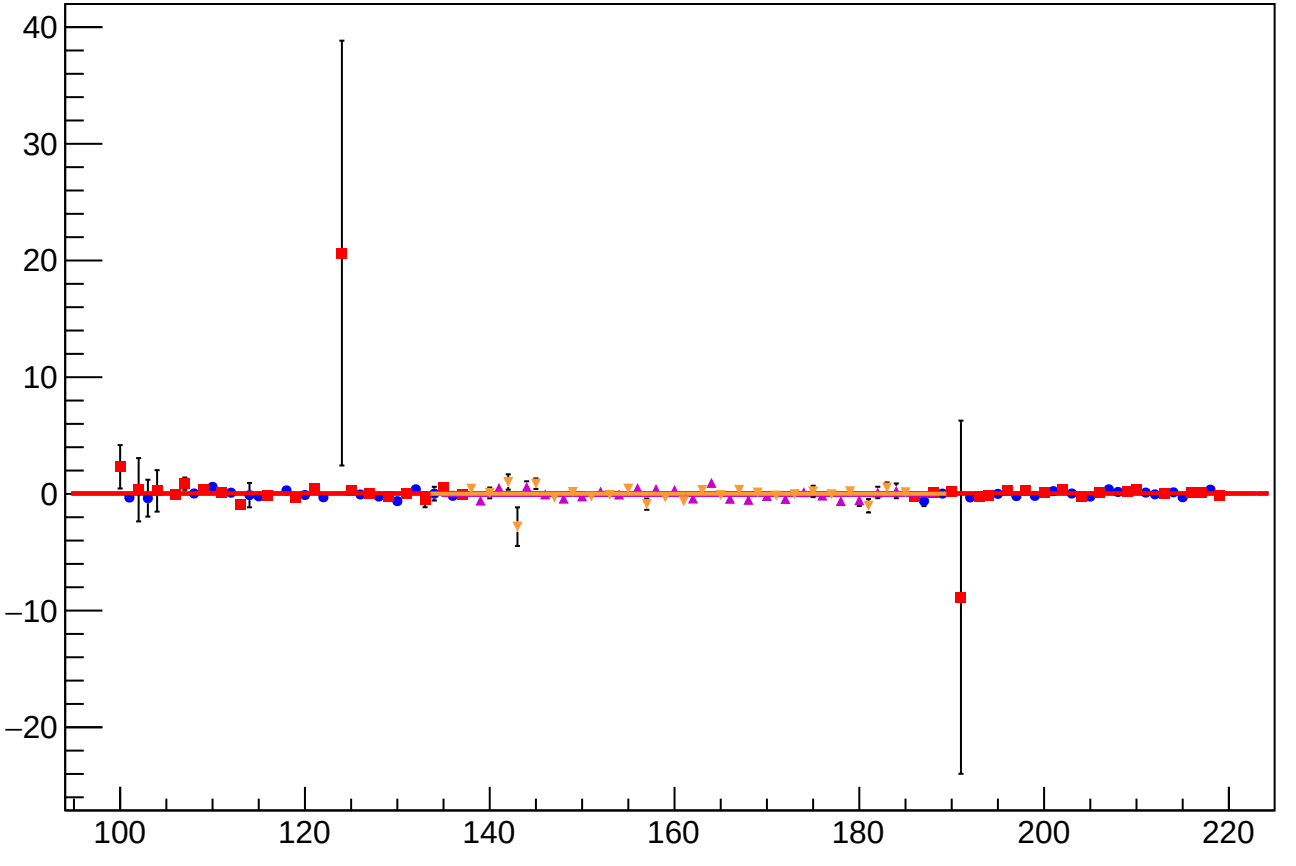
Right: 0.008+/-0.000 χ^2/NDF: 20469501.1/68

In: 0.008+/-0.000 χ^2/NDF:16786332.3/54

Out: 0.008+/-0.000 χ^2/NDF:18423840.3/61

All: 0.008+/-0.000 χ^2/NDF: 35285691.6/116

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.045 χ^2/NDF: 32.7/31

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.063+/-0.041 χ^2/NDF: 33.9/36

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

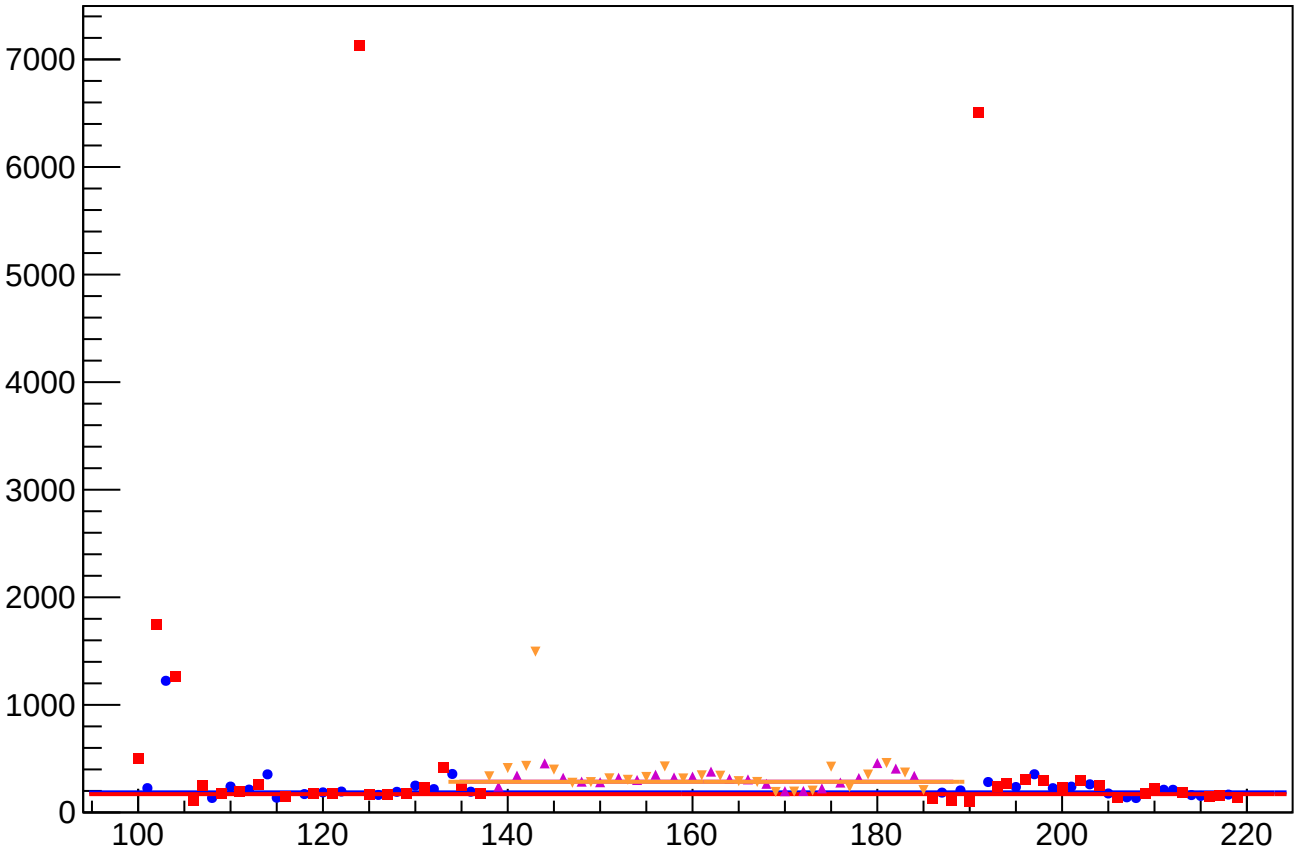
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.042+/-0.030 χ^2/NDF: 67.2/68

In: -0.013+/-0.038 χ^2/NDF:65.3/54

Out: 0.051+/-0.035 χ^2/NDF:62.5/61

All: 0.021+/-0.026 χ^2/NDF: 129.4/116



Right In: 186.853+/-0.032 χ^2/NDF: 2914318.6/31

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 170.232+/-0.029 χ^2/NDF: 5620535.1/36

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

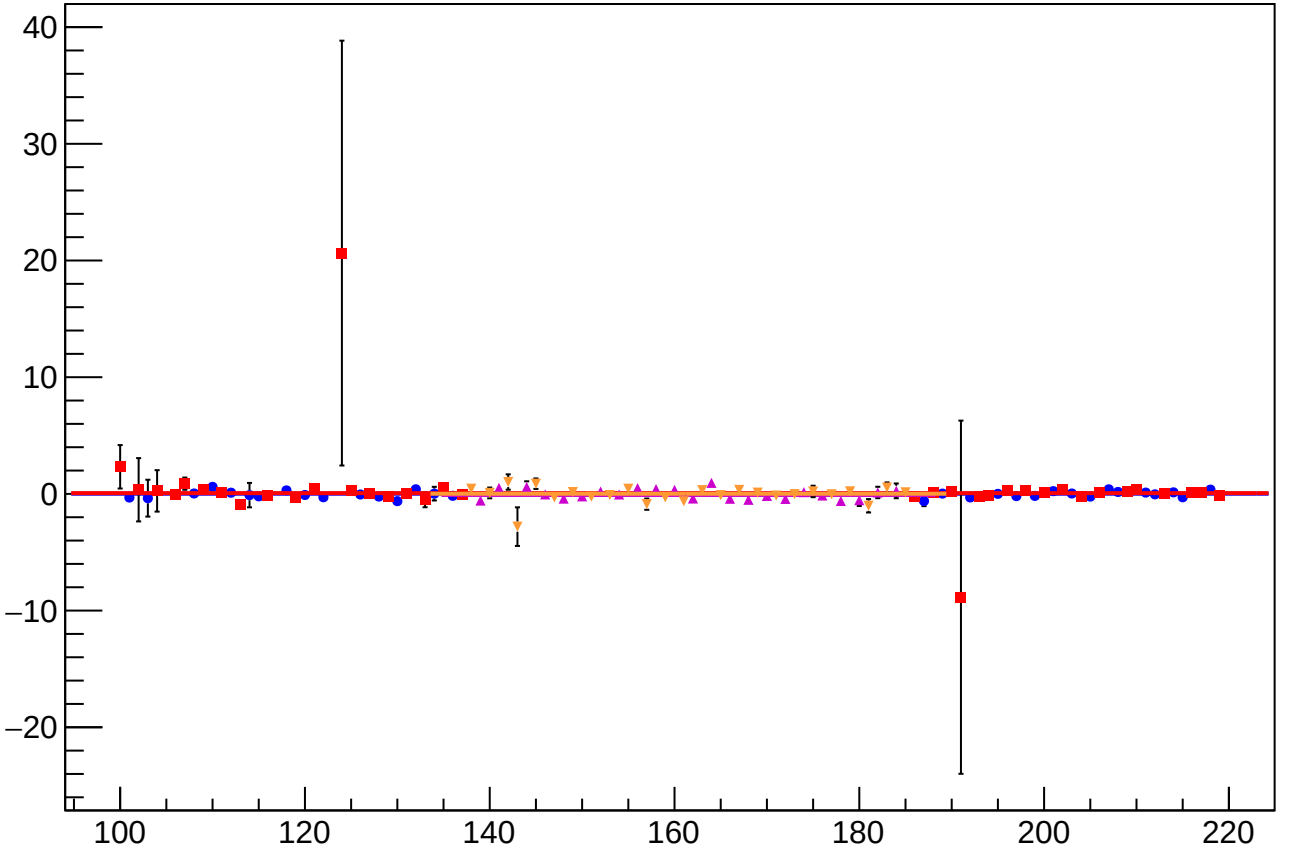
Right: 177.858+/-0.021 χ^2/NDF: 8684200.6/68

In: 215.336+/-0.027 χ^2/NDF:7476052.7/54

Out: 199.882+/-0.025 χ^2/NDF:13038491.3/61

All: 207.127+/-0.018 χ^2/NDF: 20692402.6/11

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.045 χ^2/NDF: 32.7/31

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.063+/-0.041 χ^2/NDF: 33.9/36

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

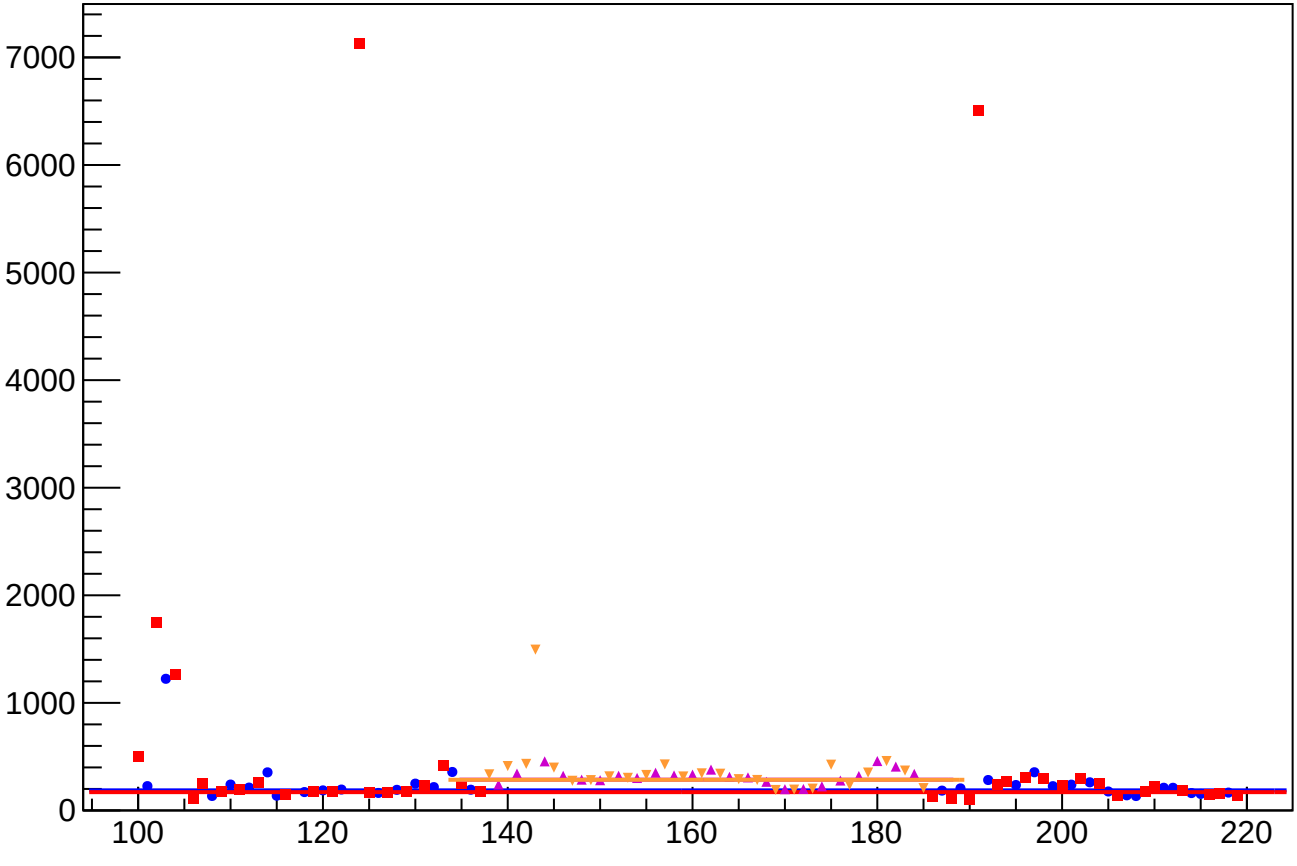
Right: 0.042+/-0.030 χ^2/NDF: 67.2/68

In: -0.013+/-0.038 χ^2/NDF:65.3/54

Out: 0.051+/-0.035 χ^2/NDF:62.5/61

All: 0.021+/-0.026 χ^2/NDF: 129.4/116

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 186.853+/-0.032 χ^2/NDF: 2914318.6/31

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 170.232+/-0.029 χ^2/NDF: 5620535.1/36

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

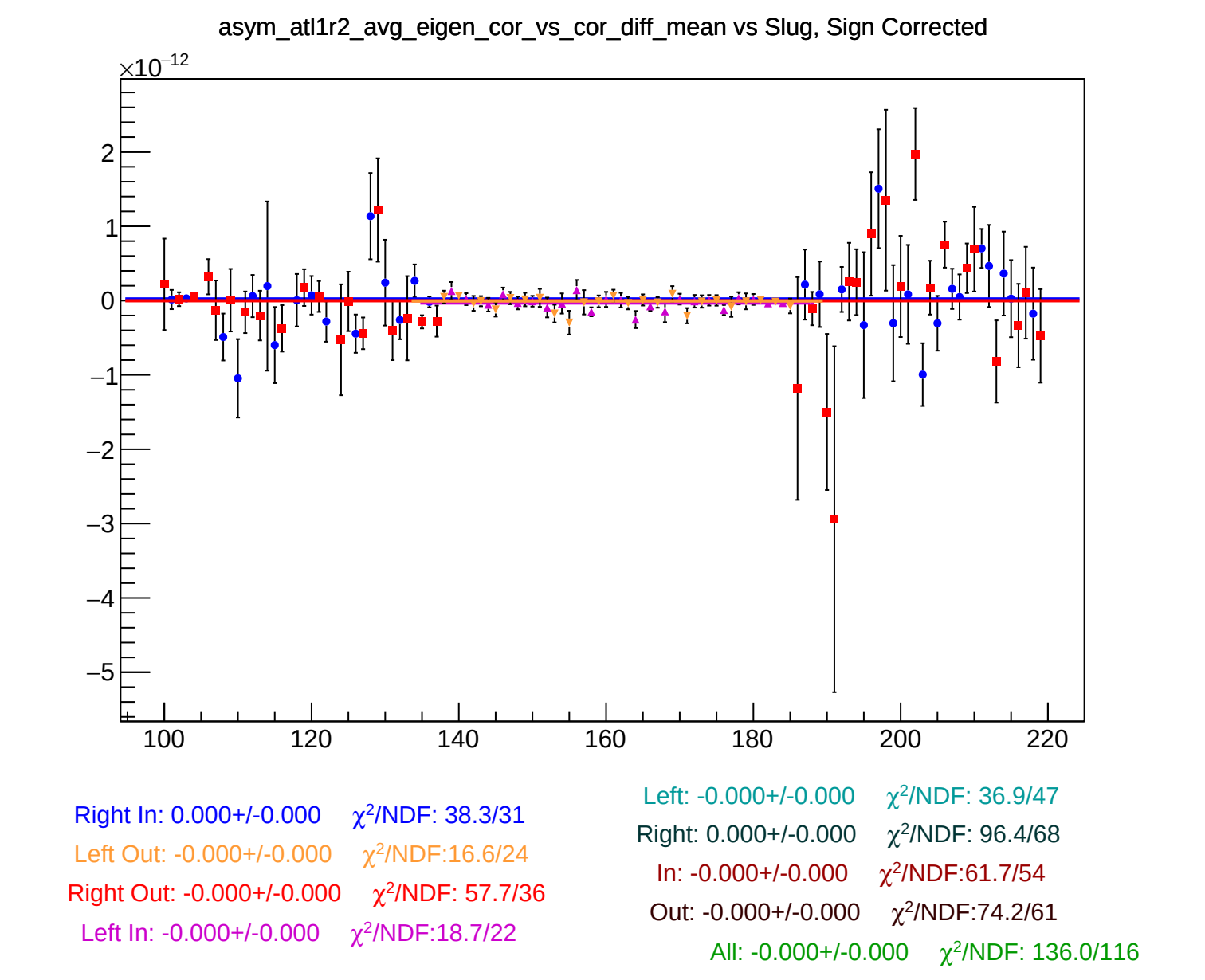
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

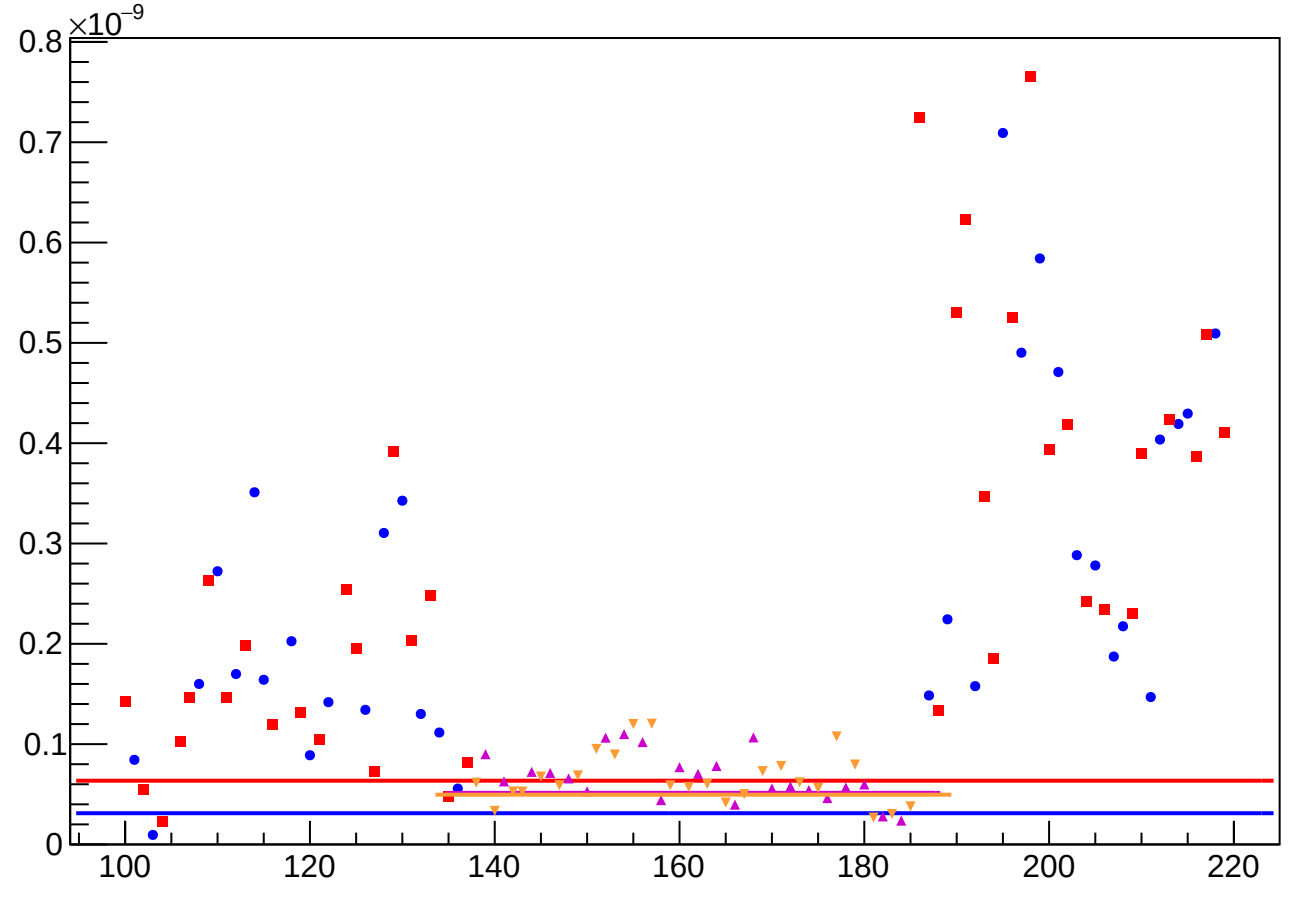
Right: 177.858+/-0.021 χ^2/NDF: 8684200.6/68

In: 215.336+/-0.027 χ^2/NDF:7476052.7/54

Out: 199.882+/-0.025 χ^2/NDF:13038491.3/61

All: 207.127+/-0.018 χ^2/NDF: 20692402.6/11


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 38.3/31
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 57.7/36
Left In: -0.000+/-0.000 χ²/NDF:18.7/22
Left: -0.000+/-0.000 χ²/NDF: 36.9/47
Right: 0.000+/-0.000 χ²/NDF: 96.4/68
In: -0.000+/-0.000 χ²/NDF:61.7/54
Out: -0.000+/-0.000 χ²/NDF:74.2/61
All: -0.000+/-0.000 χ²/NDF: 136.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 18787540.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14434913.5/36

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

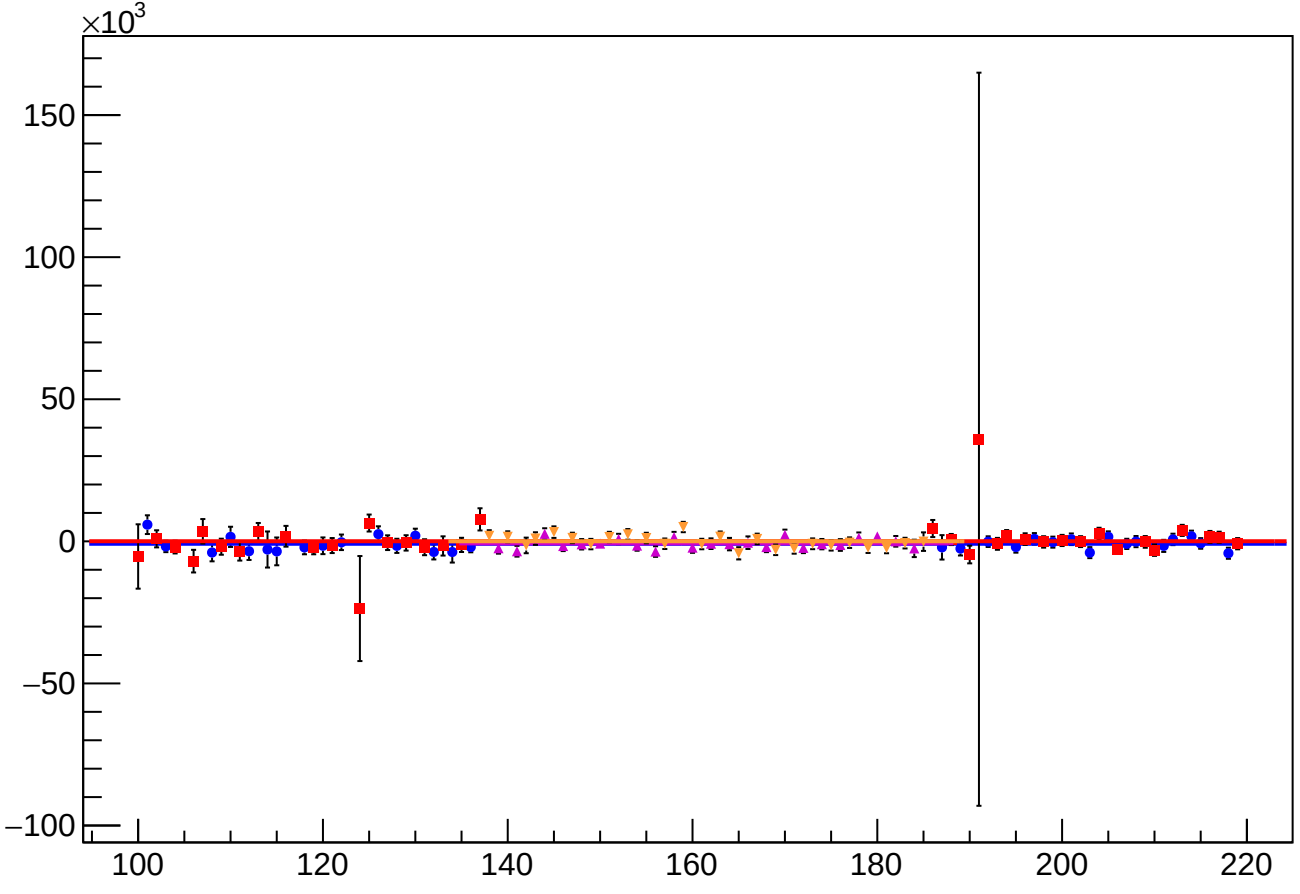
Right: 0.000+/-0.000 χ^2/NDF: 34820773.0/68

In: 0.000+/-0.000 χ^2/NDF:23699266.4/54

Out: 0.000+/-0.000 χ^2/NDF:18660127.2/61

All: 0.000+/-0.000 χ^2/NDF: 42805889.5/116

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -851.616+/-409.334 χ^2/NDF: 24.7/31

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 38.720+/-405.116 χ^2/NDF: 39.0/36

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

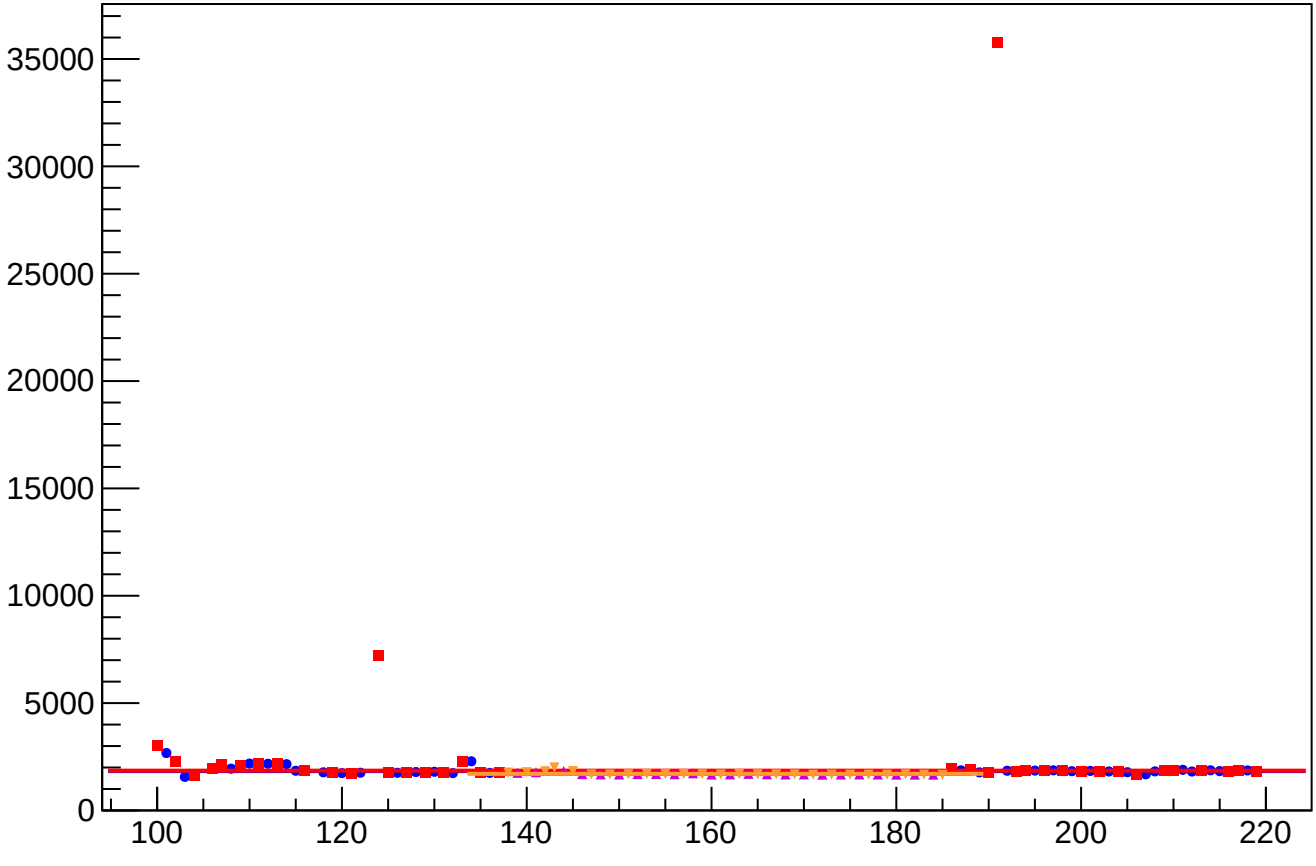
Right: -401.837+/-287.940 χ^2/NDF: 66.1/68

In: -783.448+/-284.778 χ^2/NDF:43.8/54

Out: 30.575+/-280.112 χ^2/NDF:68.5/61

All: -369.713+/-199.698 χ^2/NDF: 116.5/116

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1834.029+/-0.289 χ^2/NDF: 281995.9/31

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1854.441+/-0.286 χ^2/NDF: 537097.0/36

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

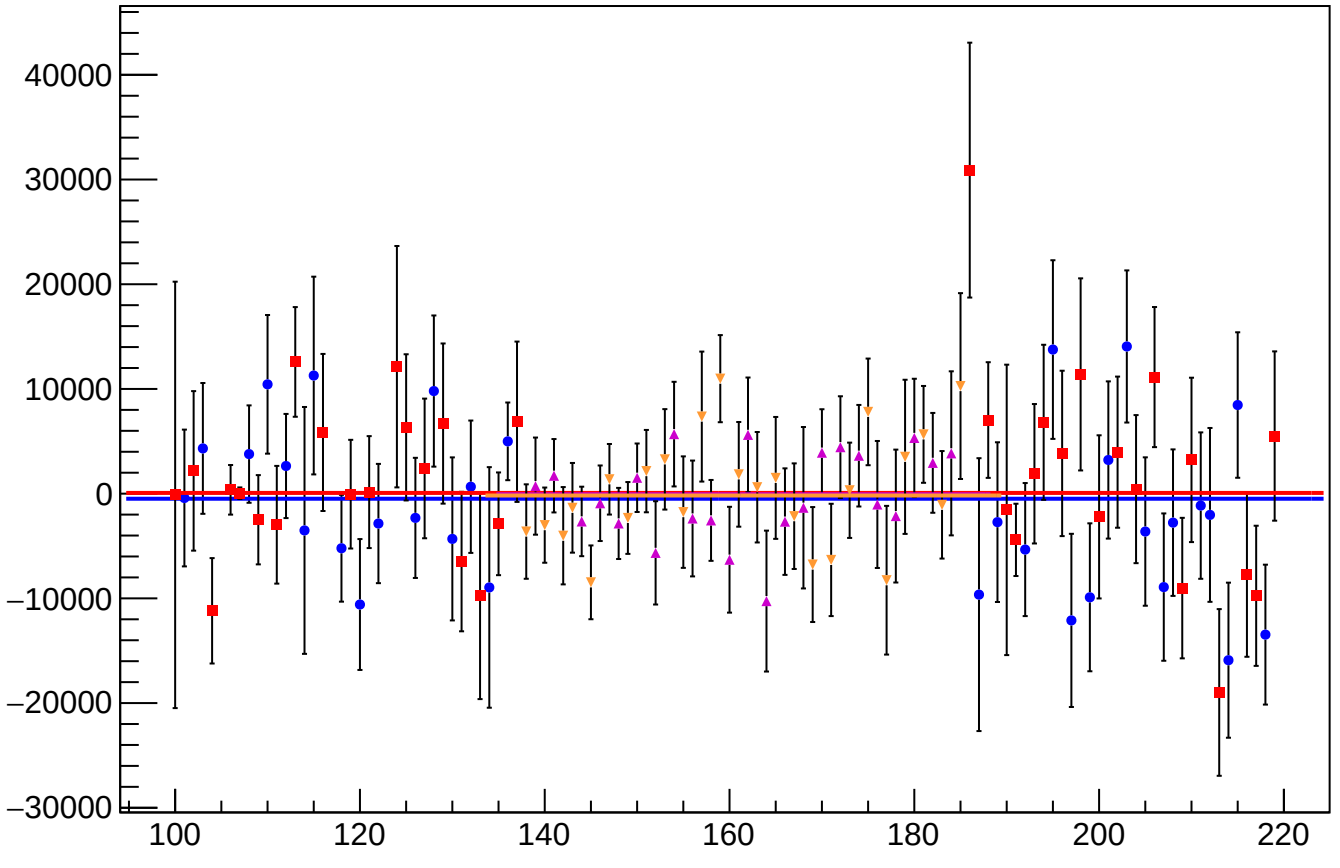
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1844.348+/-0.204 χ^2/NDF: 821607.3/68

In: 1763.589+/-0.201 χ^2/NDF:417923.7/54

Out: 1776.833+/-0.198 χ^2/NDF:737974.5/61

All: 1770.323+/-0.141 χ^2/NDF: 1158097.7/11



Right In: -485.350+/-1168.002 χ^2/NDF: 38.5/31

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: 69.315+/-482.575 χ^2/NDF: 44.7/36

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

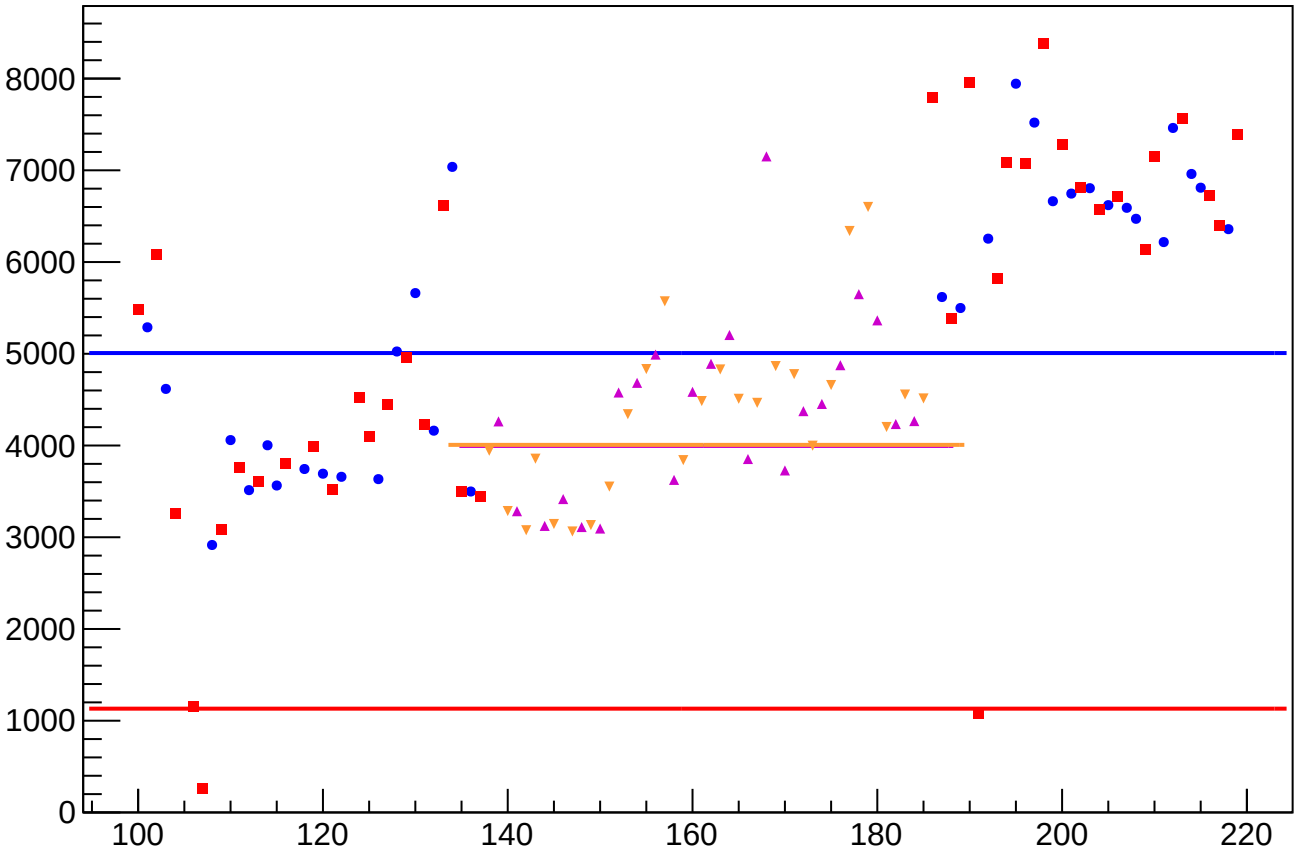
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: -11.562+/-446.007 χ^2/NDF: 83.4/68

In: -228.595+/-739.971 χ^2/NDF:52.8/54

Out: 17.772+/-428.841 χ^2/NDF:72.7/61

All: -44.170+/-371.035 χ^2/NDF: 125.6/116



Right In: 5007.934+/-0.826 χ^2/NDF: 3314028.9/31

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 1131.529+/-0.341 χ^2/NDF: 31103462.0/36

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

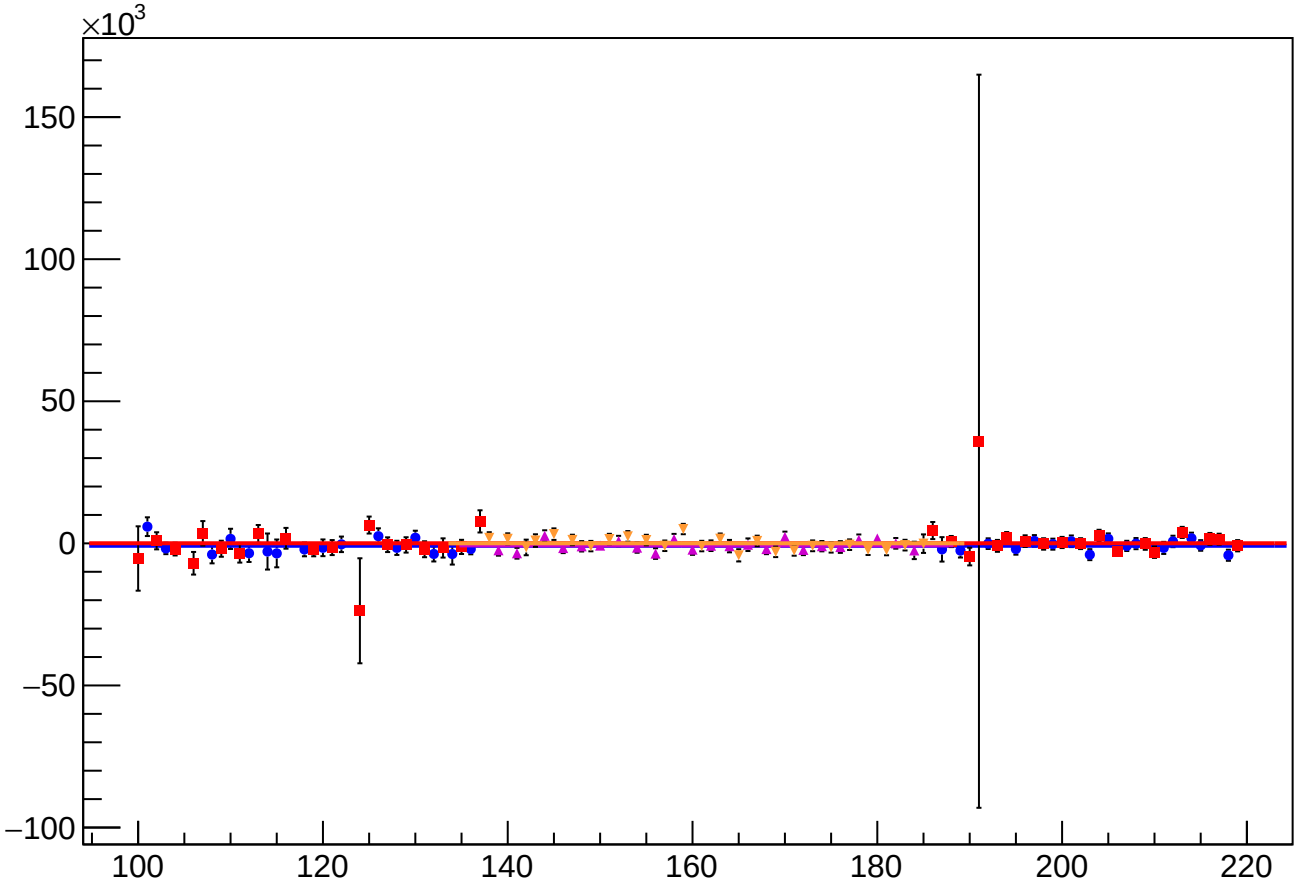
Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

Right: 1696.758+/-0.315 χ^2/NDF: 53234662.5/68

In: 4401.543+/-0.523 χ^2/NDF:5752653.3/54

Out: 1736.238+/-0.303 χ^2/NDF:47540434.1/61

All: 2406.350+/-0.262 χ^2/NDF: 72716819.4/



Right In: -851.465+/-409.334 χ^2/NDF: 24.7/31

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 38.567+/-405.116 χ^2/NDF: 39.1/36

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

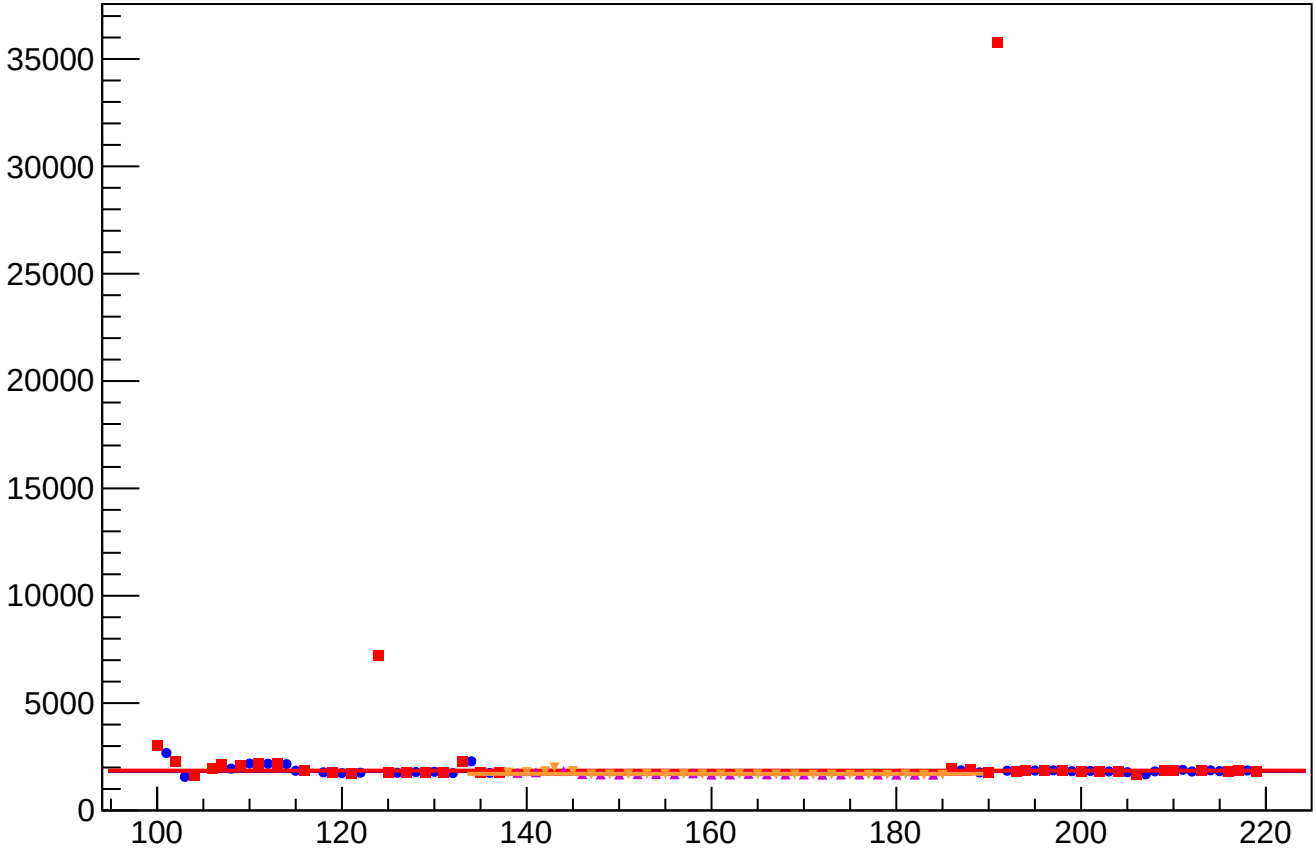
Right: -401.840+/-287.940 χ^2/NDF: 66.1/68

In: -783.311+/-284.778 χ^2/NDF:43.8/54

Out: 30.540+/-280.112 χ^2/NDF:68.5/61

All: -369.664+/-199.698 χ^2/NDF: 116.5/116

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1834.029+/-0.289 χ^2/NDF: 281995.1/31

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1854.587+/-0.286 χ^2/NDF: 537444.6/36

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

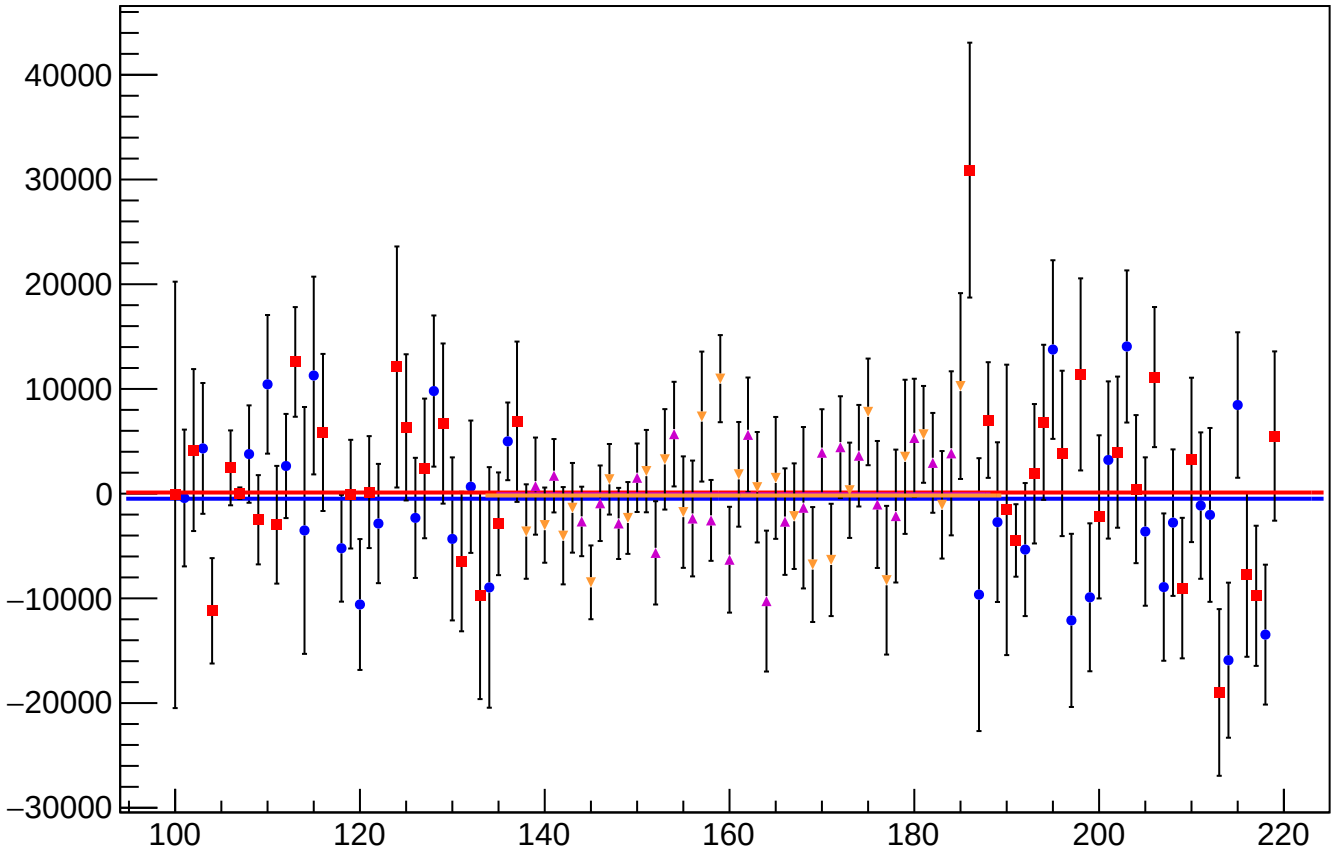
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1844.422+/-0.204 χ^2/NDF: 821990.0/68

In: 1763.589+/-0.201 χ^2/NDF:417923.1/54

Out: 1776.898+/-0.198 χ^2/NDF:738587.9/61

All: 1770.356+/-0.141 χ^2/NDF: 1158731.8/11



Right In: -485.418+/-1168.005 χ^2/NDF: 38.5/31

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 107.940+/-488.327 χ^2/NDF: 45.4/36

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

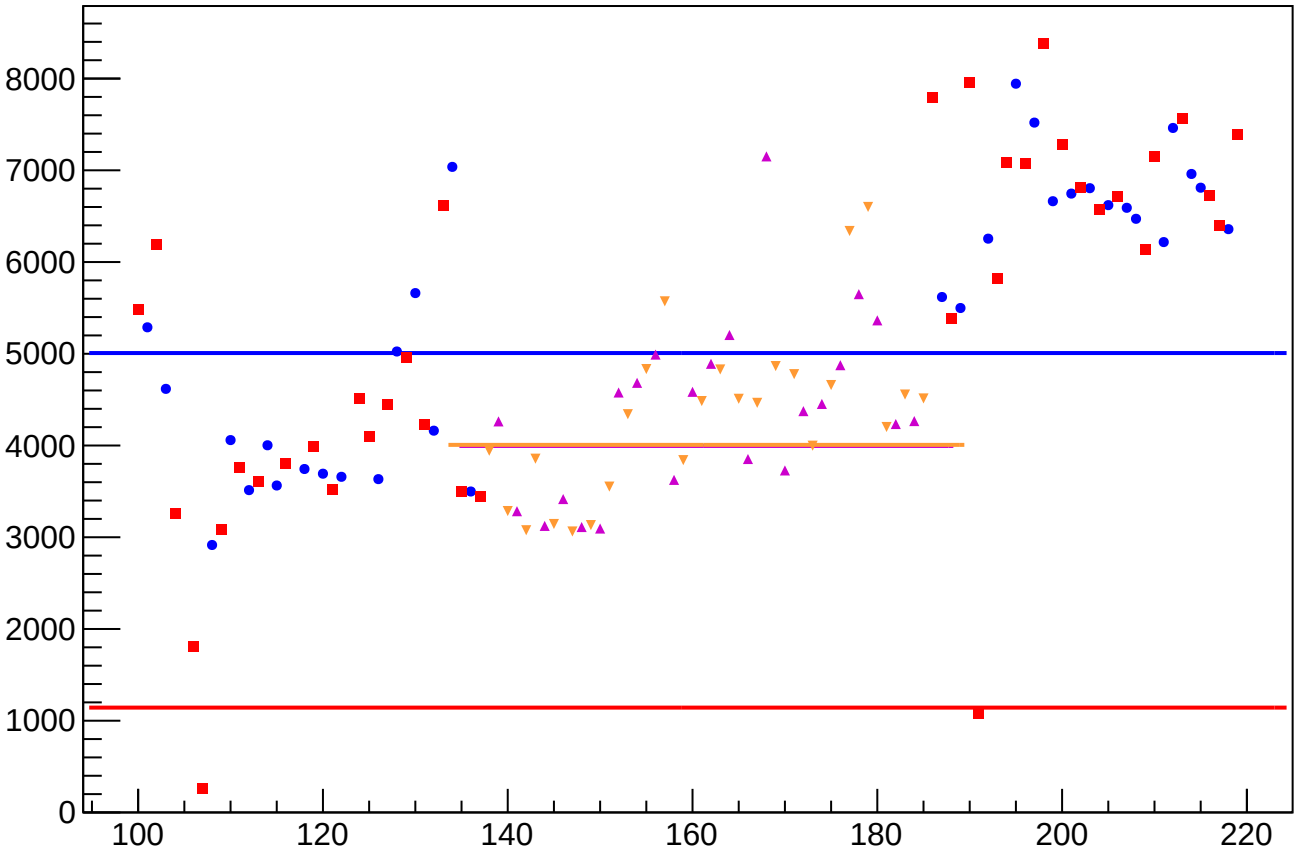
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 19.655+/-450.536 χ^2/NDF: 84.1/68

In: -228.580+/-739.971 χ^2/NDF:52.8/54

Out: 47.155+/-432.862 χ^2/NDF:73.4/61

All: -23.144+/-373.630 χ^2/NDF: 126.3/116



Right In: 5007.945+/-0.826 χ^2/NDF: 3314026.8/31

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1142.934+/-0.345 χ^2/NDF: 31186320.5/36

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

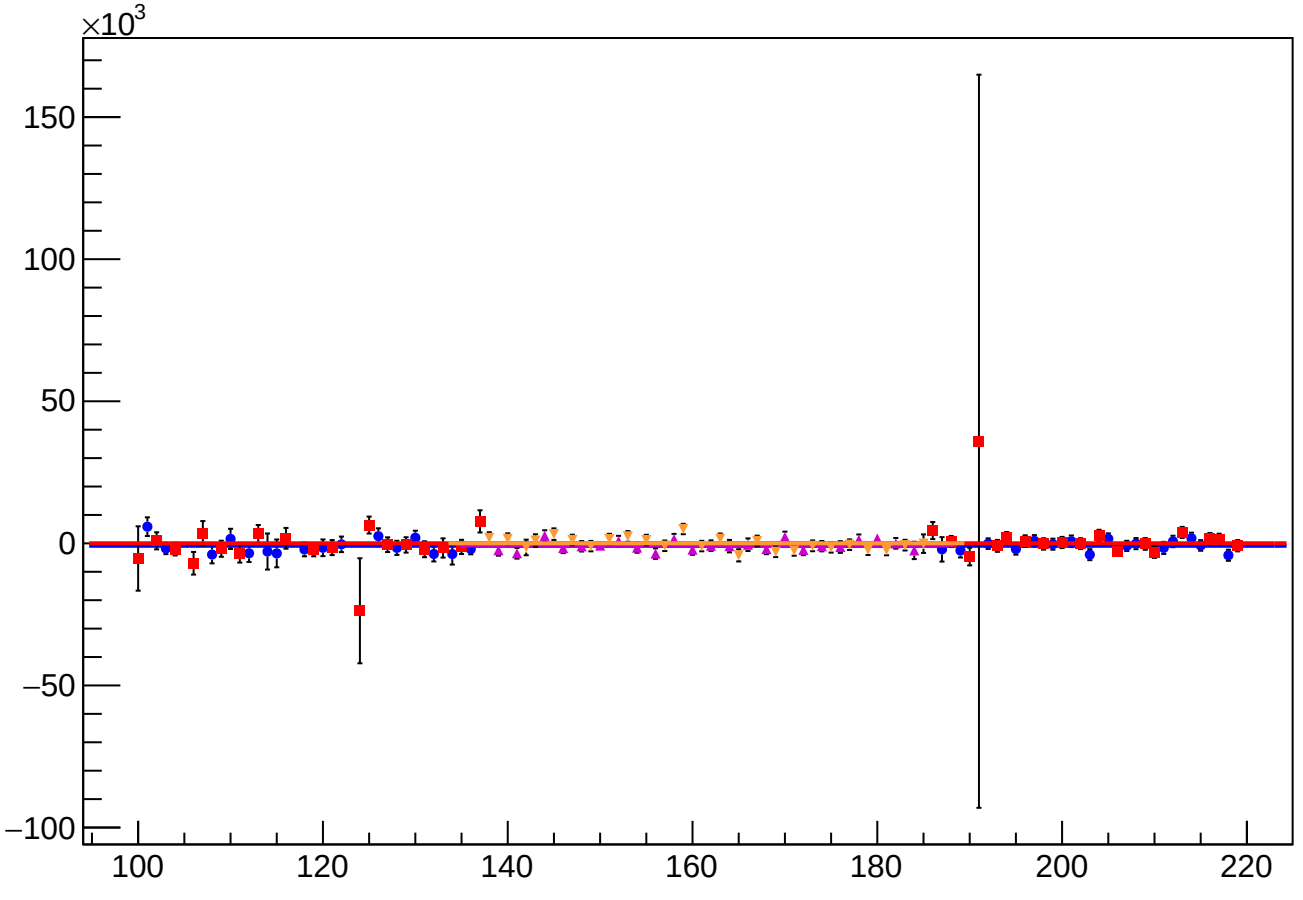
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1718.003+/-0.319 χ^2/NDF: 53141799.1/68

In: 4401.545+/-0.523 χ^2/NDF:5752653.6/54

Out: 1756.593+/-0.306 χ^2/NDF:47430702.3/61

All: 2430.922+/-0.264 χ^2/NDF: 72221369.6/1



Right In: -851.465+/-409.334 χ^2/NDF: 24.7/31

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 38.567+/-405.116 χ^2/NDF: 39.1/36

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

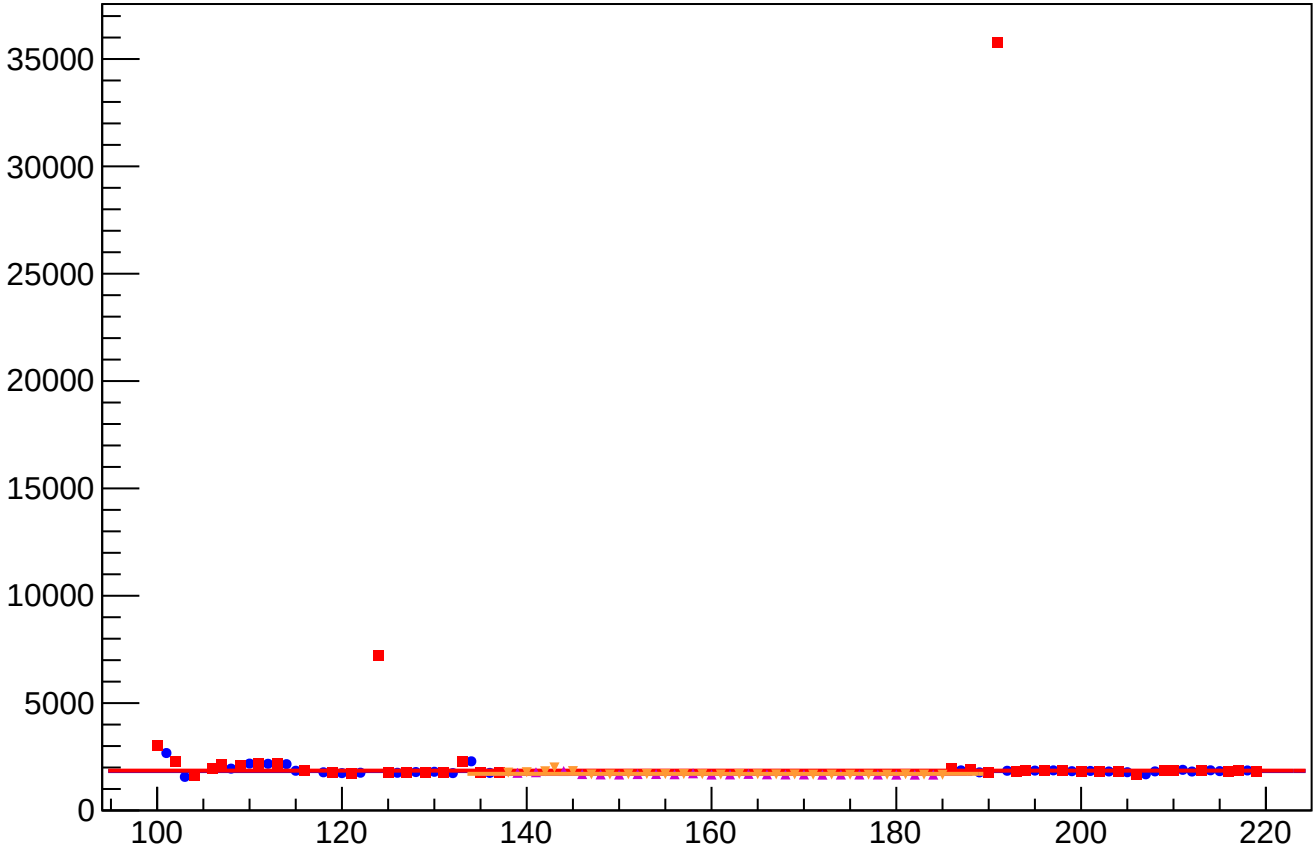
Right: -401.840+/-287.940 χ^2/NDF: 66.1/68

In: -783.311+/-284.778 χ^2/NDF:43.8/54

Out: 30.540+/-280.112 χ^2/NDF:68.5/61

All: -369.664+/-199.698 χ^2/NDF: 116.5/116

eigen_cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1834.029+/-0.289 χ^2/NDF: 281995.1/31

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1854.587+/-0.286 χ^2/NDF: 537444.6/36

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

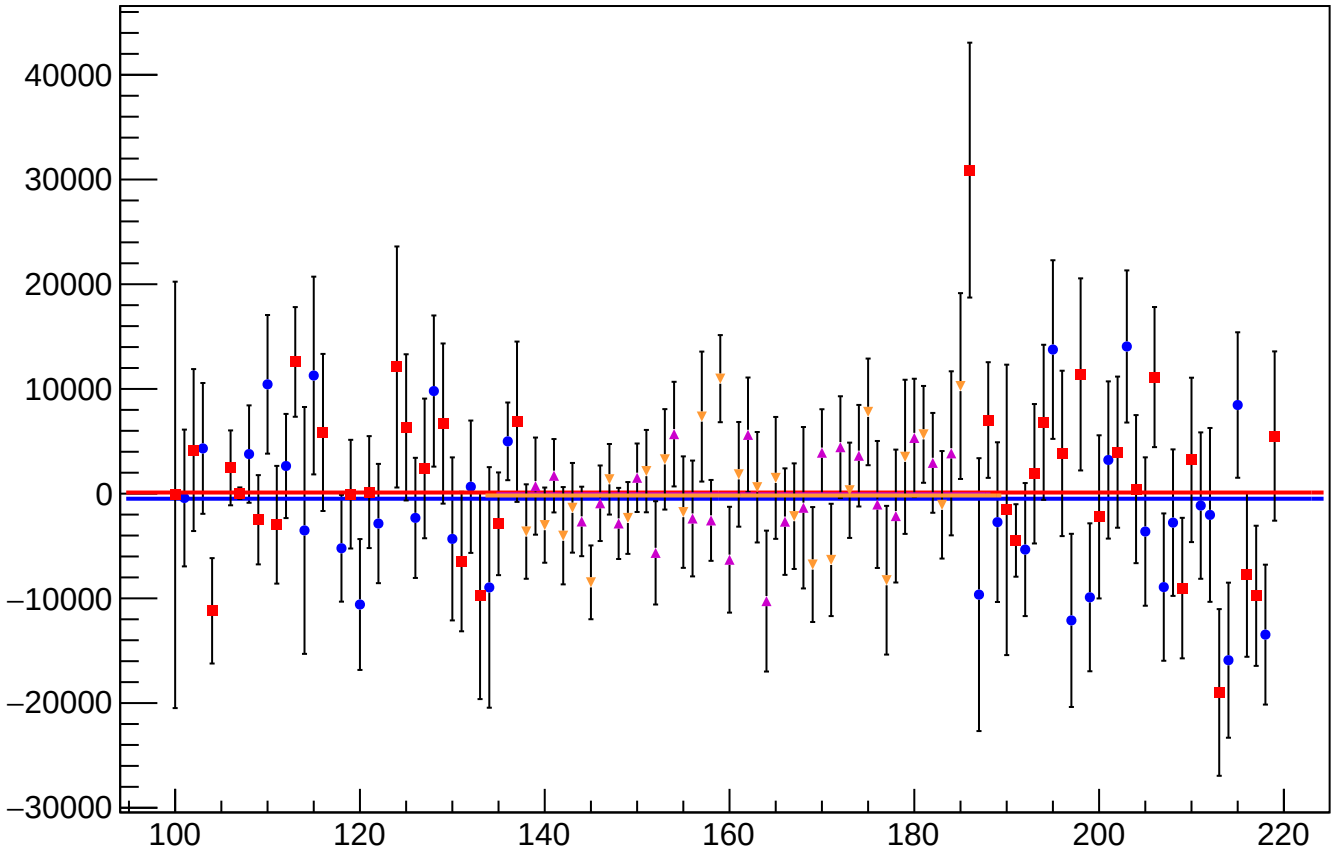
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1844.422+/-0.204 χ^2/NDF: 821990.0/68

In: 1763.589+/-0.201 χ^2/NDF:417923.1/54

Out: 1776.898+/-0.198 χ^2/NDF:738587.9/61

All: 1770.356+/-0.141 χ^2/NDF: 1158731.8/11



Right In: -485.418+/-1168.005 χ^2/NDF: 38.5/31

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 107.940+/-488.327 χ^2/NDF: 45.4/36

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

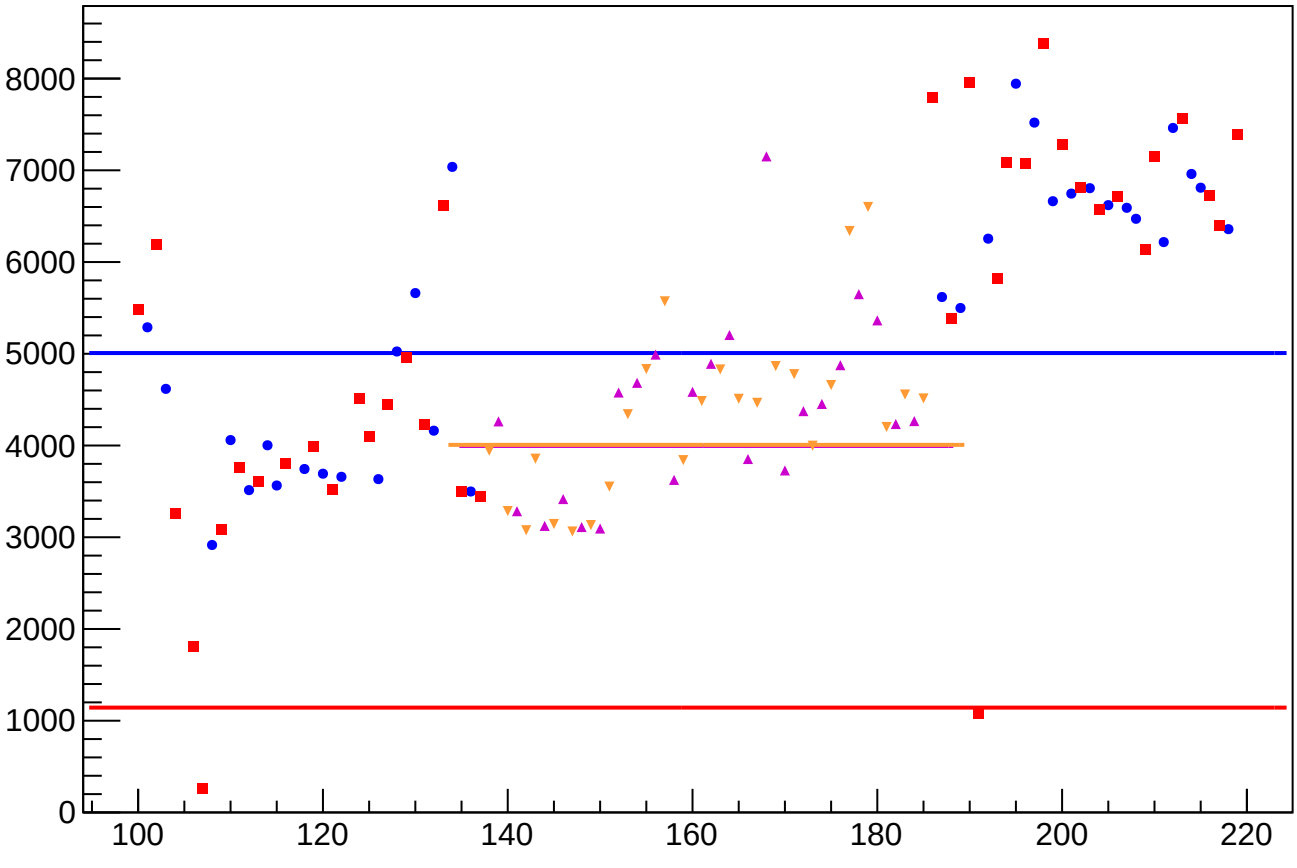
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 19.655+/-450.536 χ^2/NDF: 84.1/68

In: -228.580+/-739.971 χ^2/NDF:52.8/54

Out: 47.155+/-432.862 χ^2/NDF:73.4/61

All: -23.144+/-373.630 χ^2/NDF: 126.3/116



Right In: 5007.945+/-0.826 χ^2/NDF: 3314026.8/31

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1142.934+/-0.345 χ^2/NDF: 31186320.5/36

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

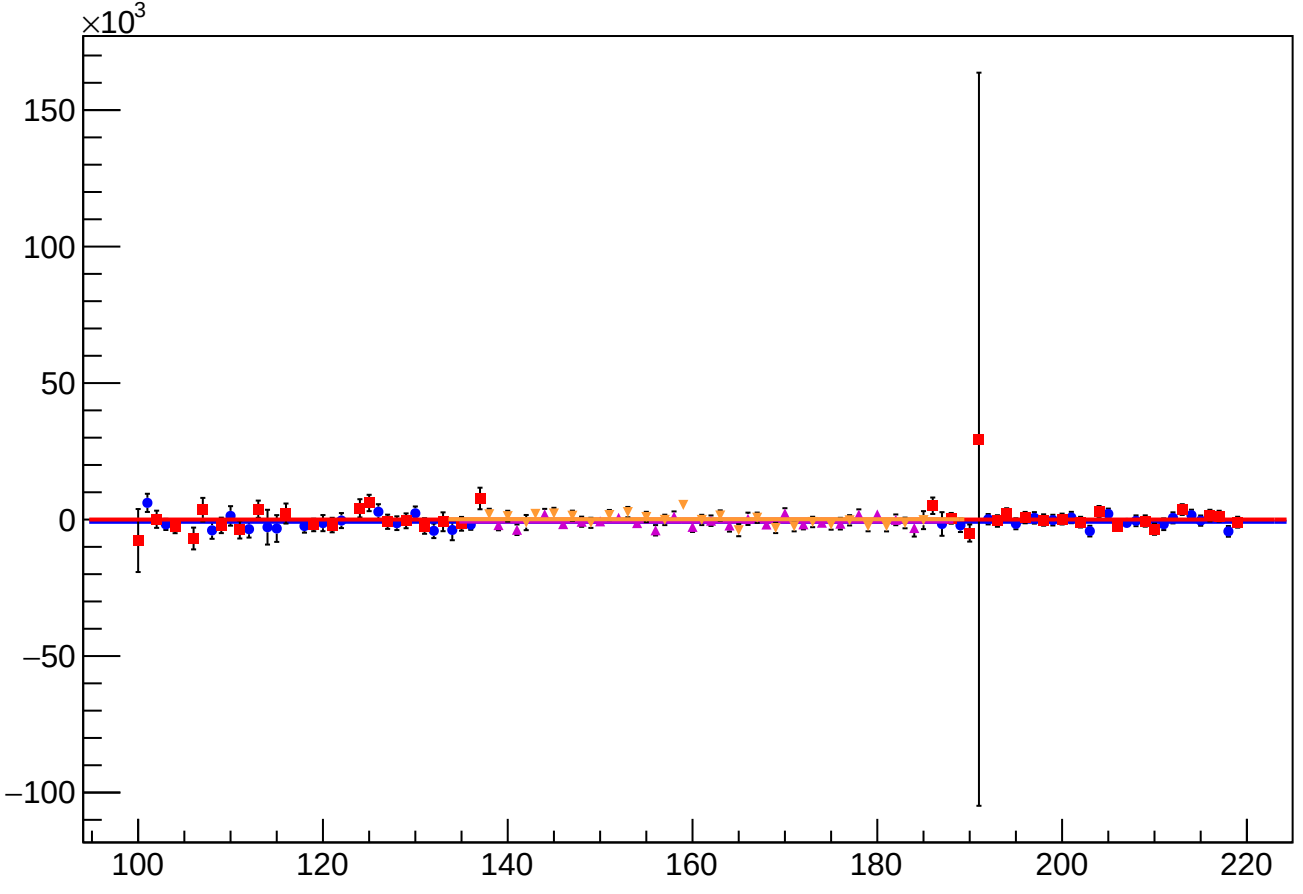
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1718.003+/-0.319 χ^2/NDF: 53141799.1/68

In: 4401.545+/-0.523 χ^2/NDF:5752653.6/54

Out: 1756.593+/-0.306 χ^2/NDF:47430702.3/61

All: 2430.922+/-0.264 χ^2/NDF: 72221369.6/



Right In: -824.236+/-413.211 χ^2/NDF: 26.0/31

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: 11.621+/-406.717 χ^2/NDF: 40.5/36

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

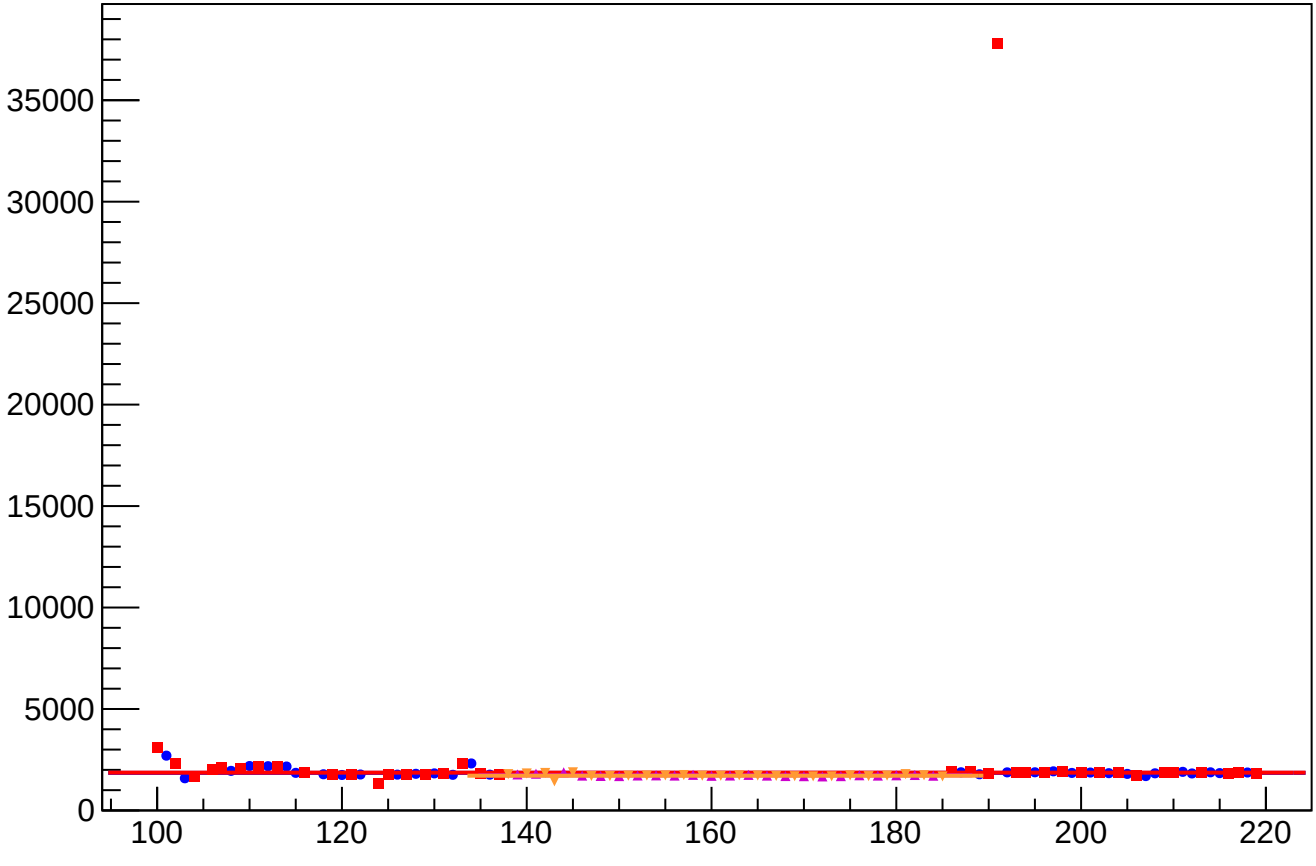
Right: -399.688+/-289.861 χ^2/NDF: 68.5/68

In: -781.794+/-288.931 χ^2/NDF:45.0/54

Out: 68.137+/-281.292 χ^2/NDF:70.2/61

All: -345.444+/-201.550 χ^2/NDF: 119.6/116

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.230+/-0.292 χ^2/NDF: 281345.6/31

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1863.247+/-0.288 χ^2/NDF: 431906.0/36

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

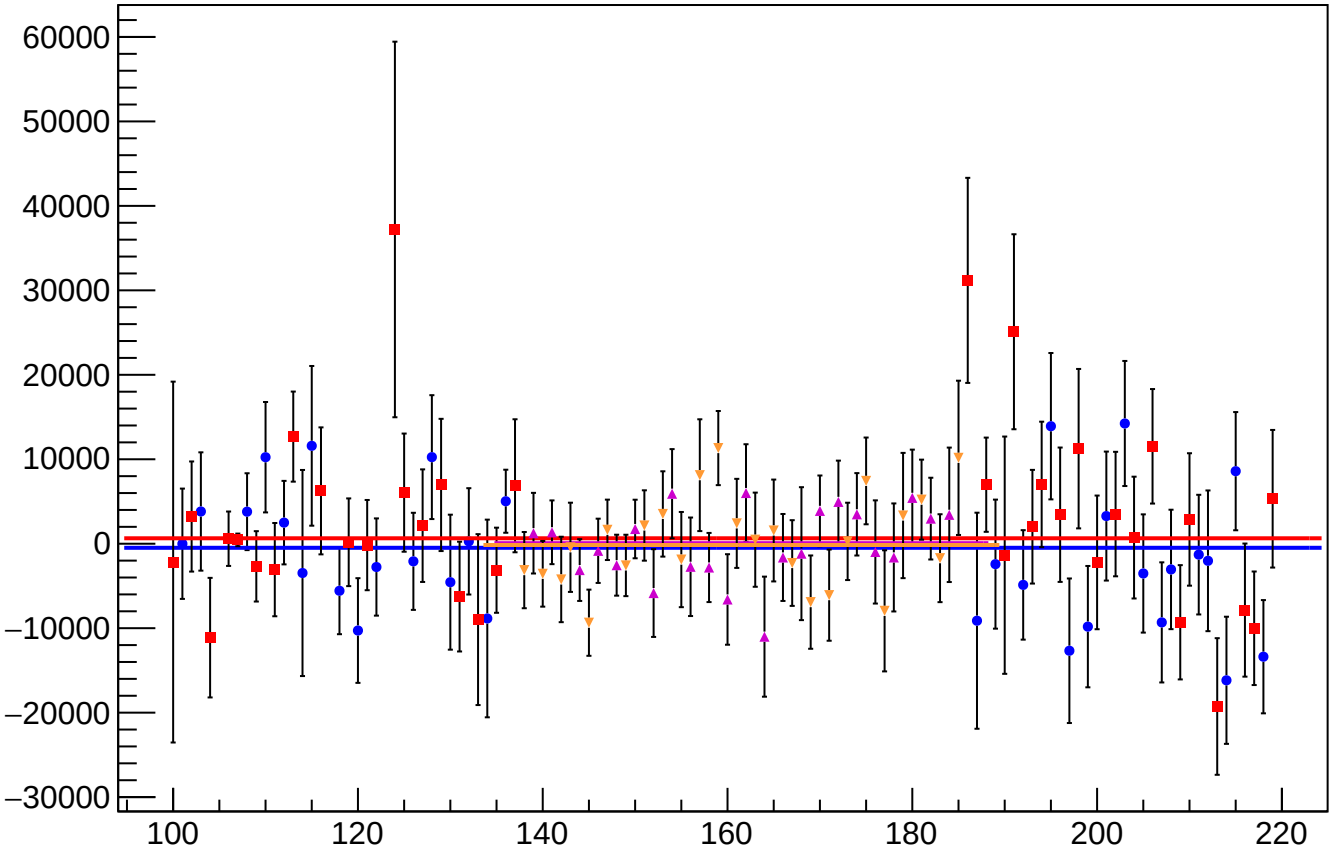
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1857.335+/-0.205 χ^2/NDF: 714110.9/68

In: 1789.448+/-0.204 χ^2/NDF:391907.2/54

Out: 1784.529+/-0.199 χ^2/NDF:670038.4/61

All: 1786.922+/-0.143 χ^2/NDF: 1062243.3/11



Right In: -481.340+/-1177.723 χ^2/NDF: 38.1/31

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 645.306+/-619.350 χ^2/NDF: 46.5/36

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

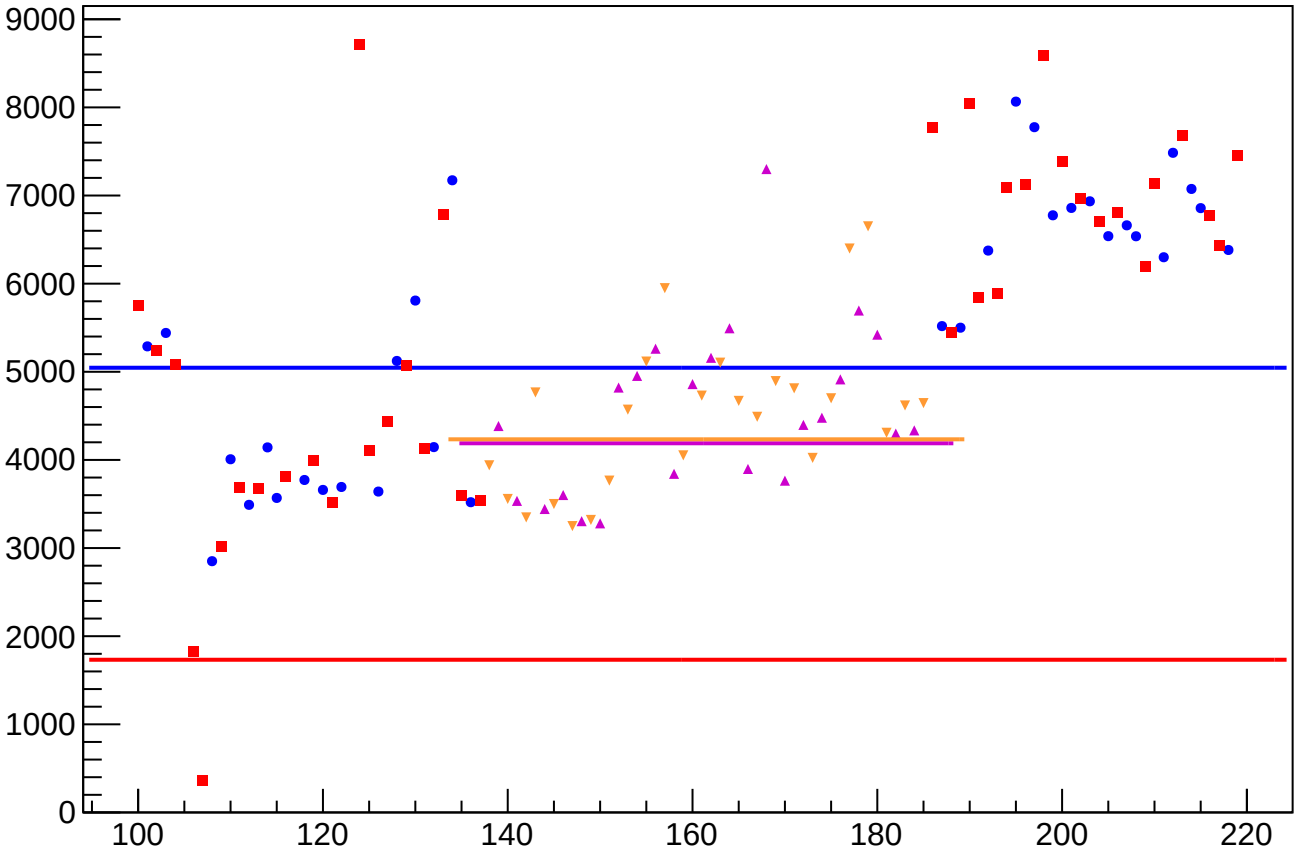
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 401.225+/-548.171 χ^2/NDF: 85.3/68

In: -163.809+/-762.326 χ^2/NDF:52.2/54

Out: 419.909+/-524.312 χ^2/NDF:73.8/61

All: 232.459+/-431.999 χ^2/NDF: 126.4/116



Right In: 5045.958+/-0.833 χ^2/NDF: 3470595.9/31

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1732.683+/-0.438 χ^2/NDF: 27145805.5/36

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

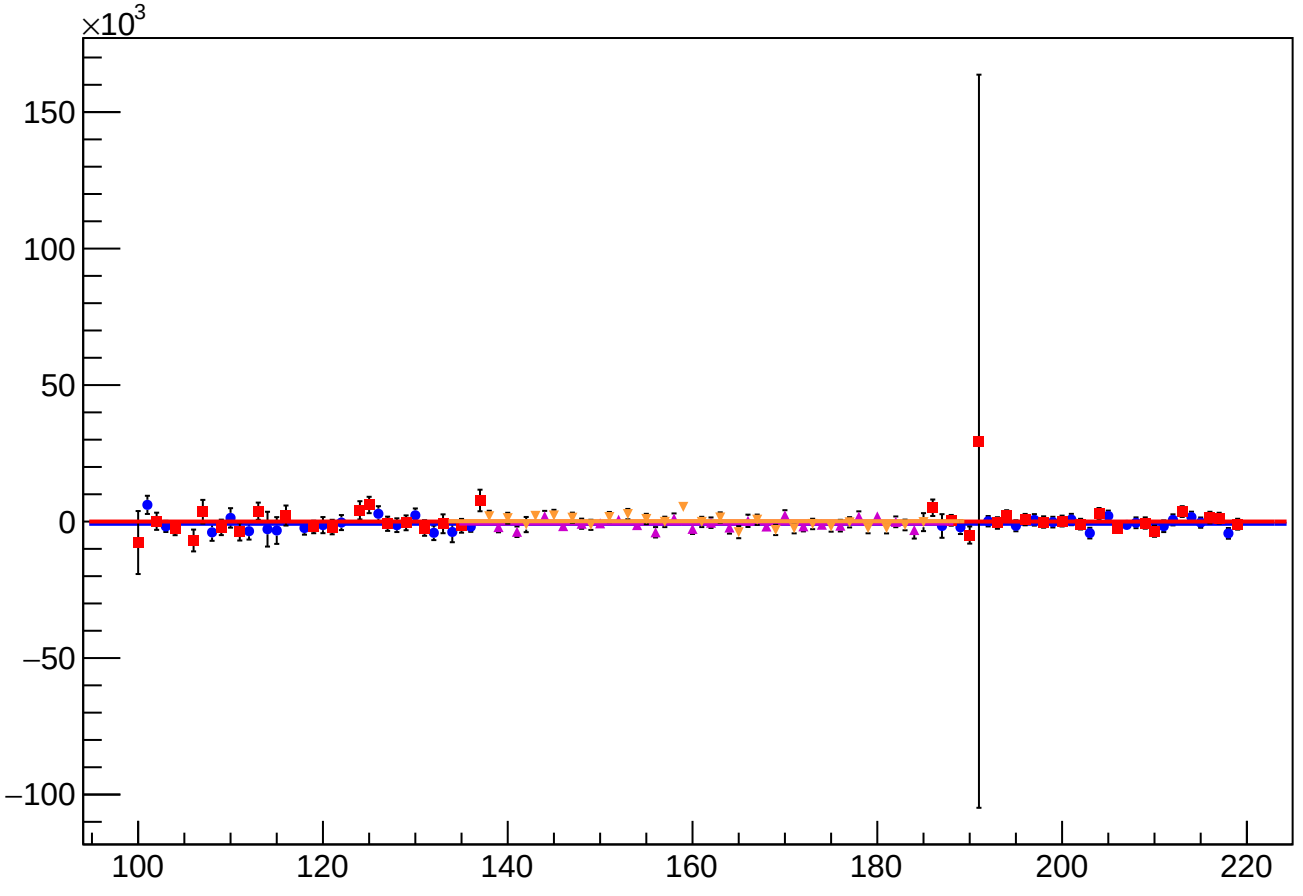
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 2450.482+/-0.388 χ^2/NDF: 43016299.2/68

In: 4547.977+/-0.539 χ^2/NDF:5430629.8/54

Out: 2441.401+/-0.371 χ^2/NDF:37672971.4/61

All: 3117.890+/-0.305 χ^2/NDF: 53471421.7/



Right In: -824.232+/-413.211 χ^2/NDF: 26.0/31

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: 11.620+/-406.717 χ^2/NDF: 40.5/36

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

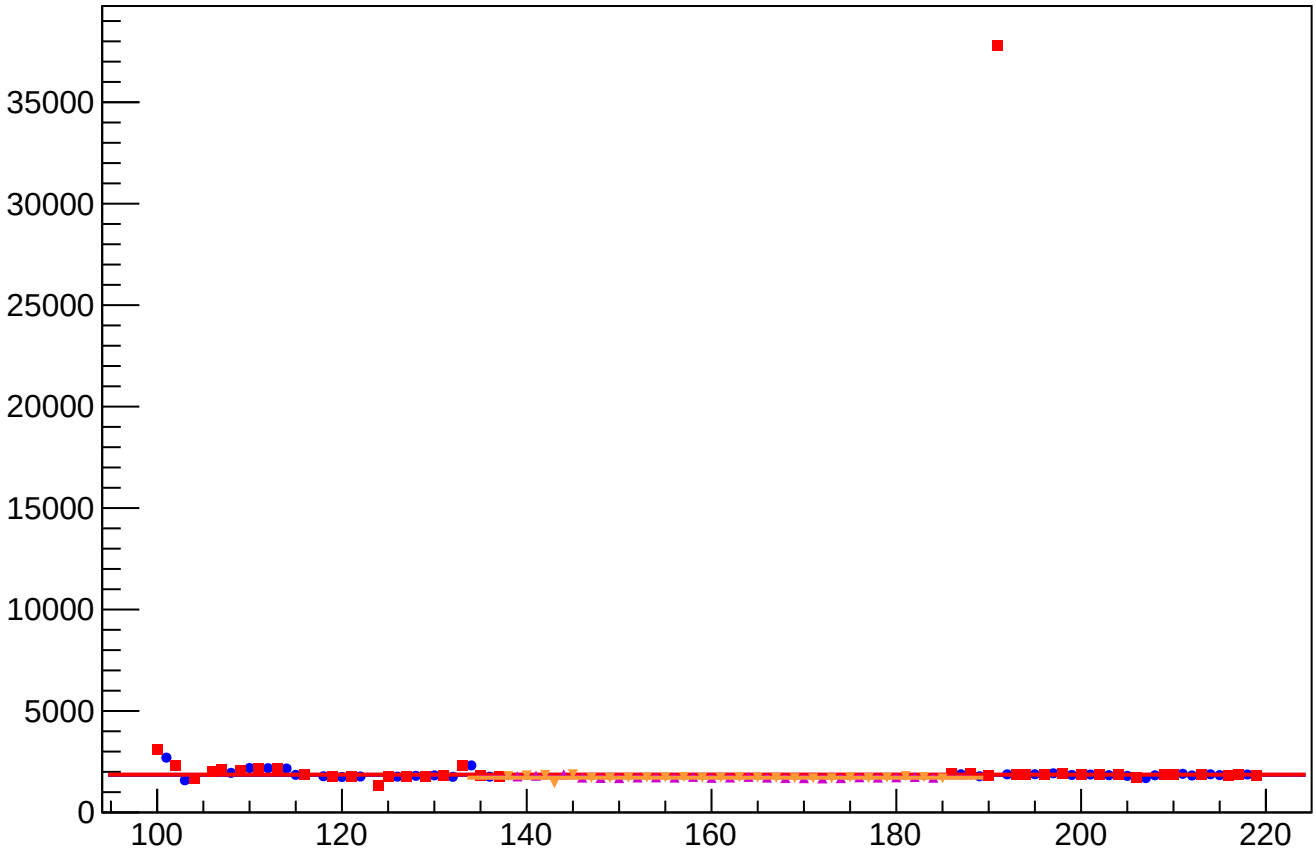
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -399.686+/-289.861 χ^2/NDF: 68.5/68

In: -781.791+/-288.931 χ^2/NDF:45.0/54

Out: 68.138+/-281.292 χ^2/NDF:70.2/61

All: -345.442+/-201.550 χ^2/NDF: 119.6/116



Right In: 1851.230+/-0.292 χ^2/NDF: 281345.5/31

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1863.247+/-0.288 χ^2/NDF: 431906.2/36

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

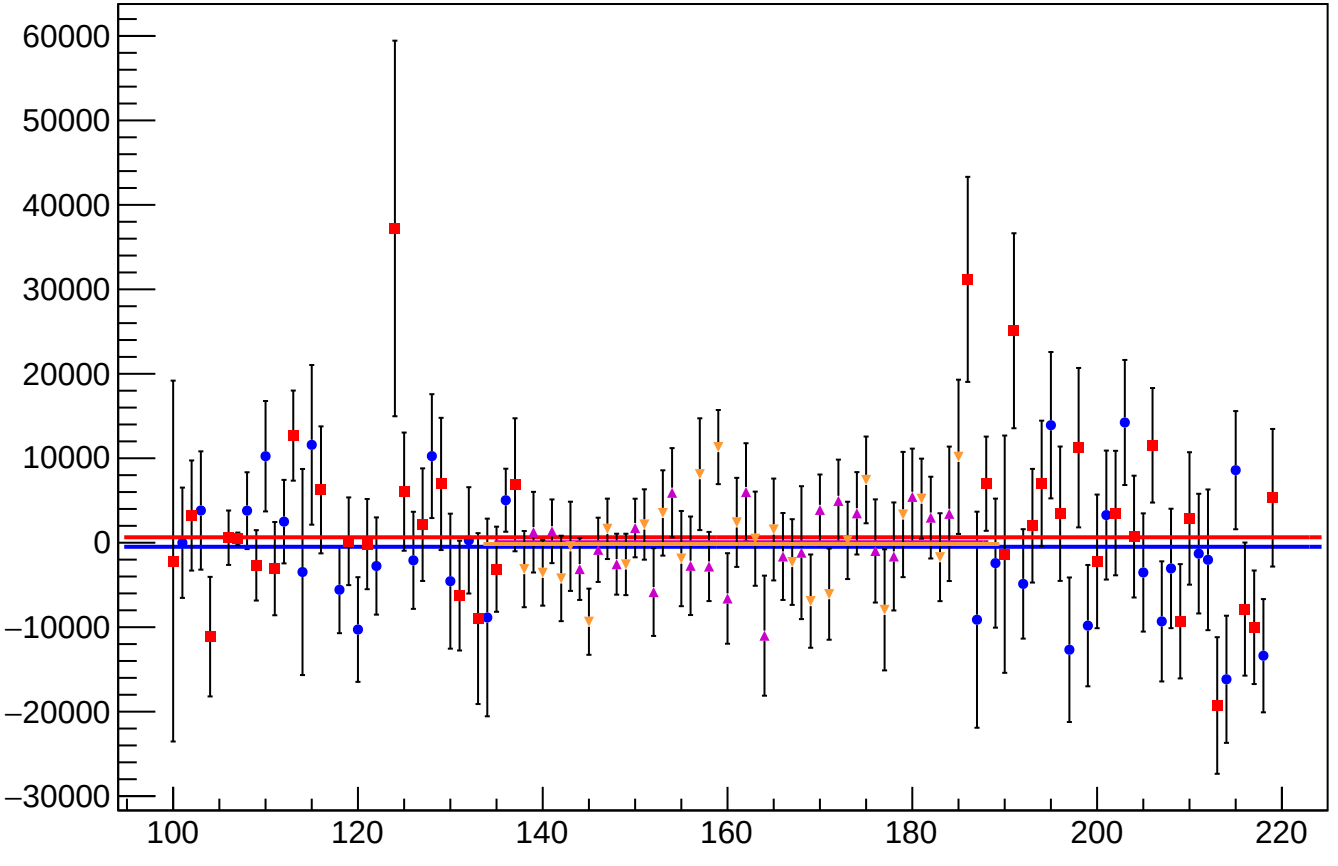
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1857.335+/-0.205 χ^2/NDF: 714111.0/68

In: 1789.448+/-0.204 χ^2/NDF:391906.3/54

Out: 1784.529+/-0.199 χ^2/NDF:670036.9/61

All: 1786.922+/-0.143 χ^2/NDF: 1062240.8/11



Right In: -481.349+/-1177.723 χ^2/NDF: 38.1/31

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: 645.316+/-619.359 χ^2/NDF: 46.5/36

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

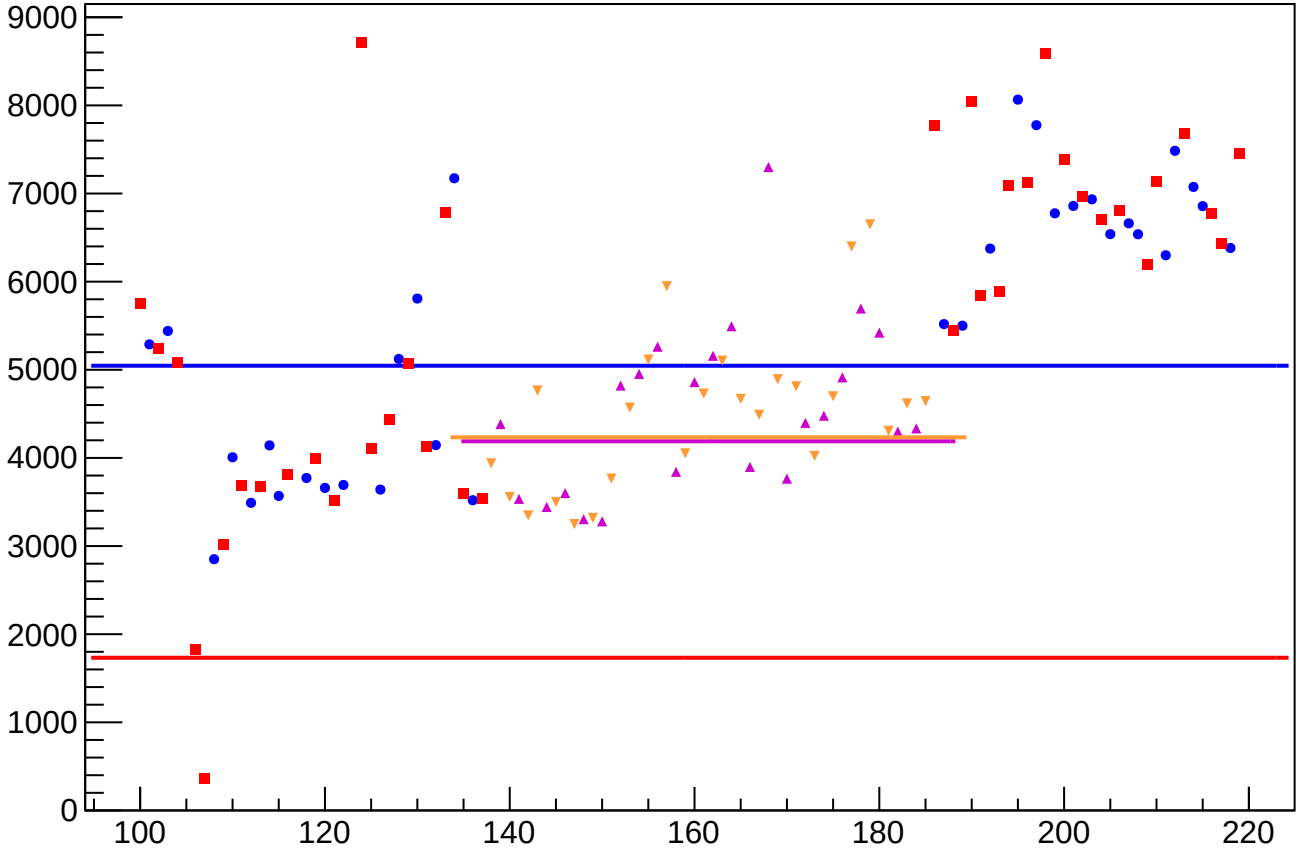
Right: 401.226+/-548.177 χ^2/NDF: 85.3/68

In: -163.812+/-762.327 χ^2/NDF:52.2/54

Out: 419.912+/-524.318 χ^2/NDF:73.8/61

All: 232.457+/-432.002 χ^2/NDF: 126.4/116

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5045.954+/-0.833 χ^2/NDF: 3470622.6/31

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1732.728+/-0.438 χ^2/NDF: 27145437.3/36

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

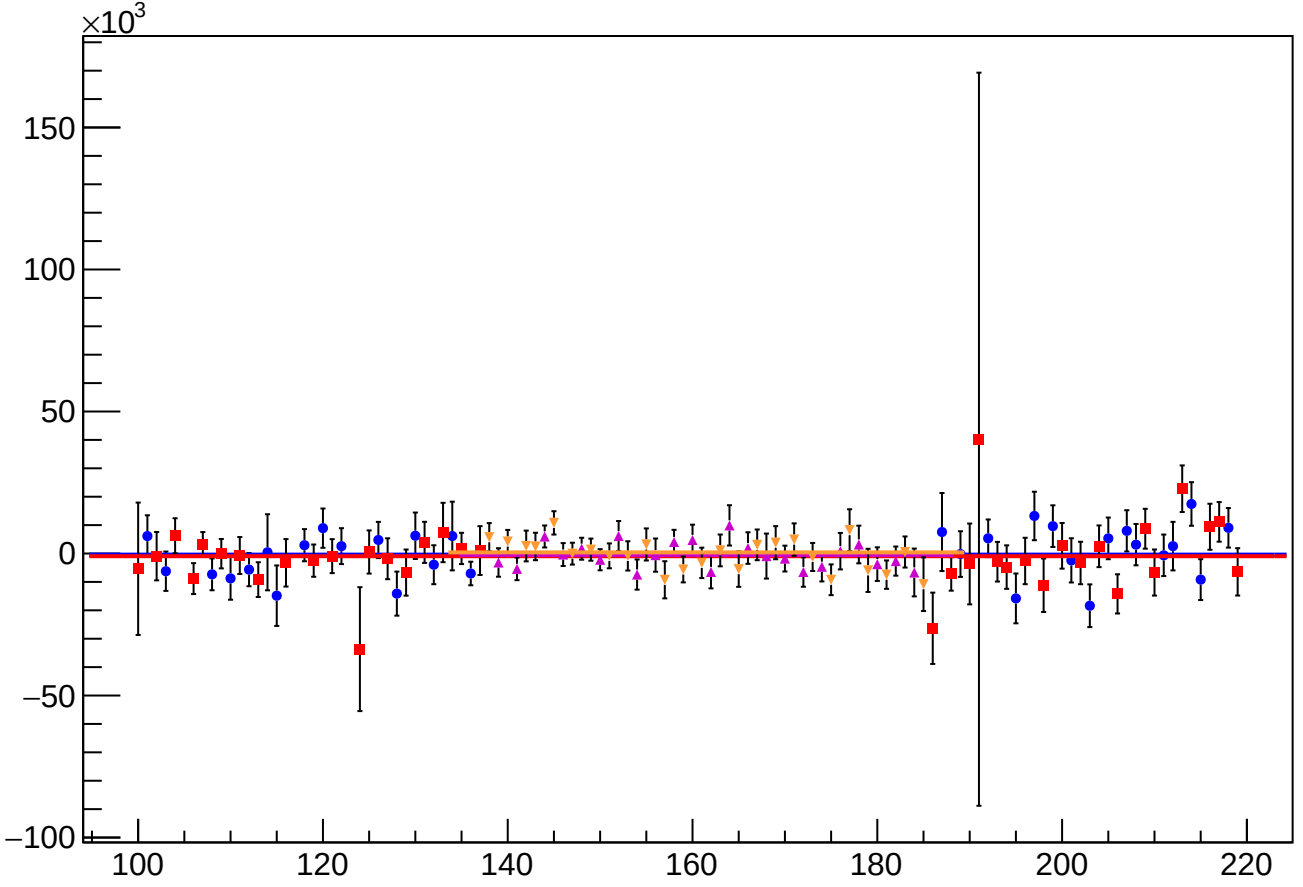
Right: 2450.534+/-0.388 χ^2/NDF: 43015514.8/68

In: 4547.979+/-0.539 χ^2/NDF:5430646.6/54

Out: 2441.449+/-0.371 χ^2/NDF:37672214.7/61

All: 3117.933+/-0.305 χ^2/NDF: 53470153.5/1

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -388.599+/-1268.816 χ^2/NDF: 42.3/31

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: -946.487+/-1199.098 χ^2/NDF: 37.6/36

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

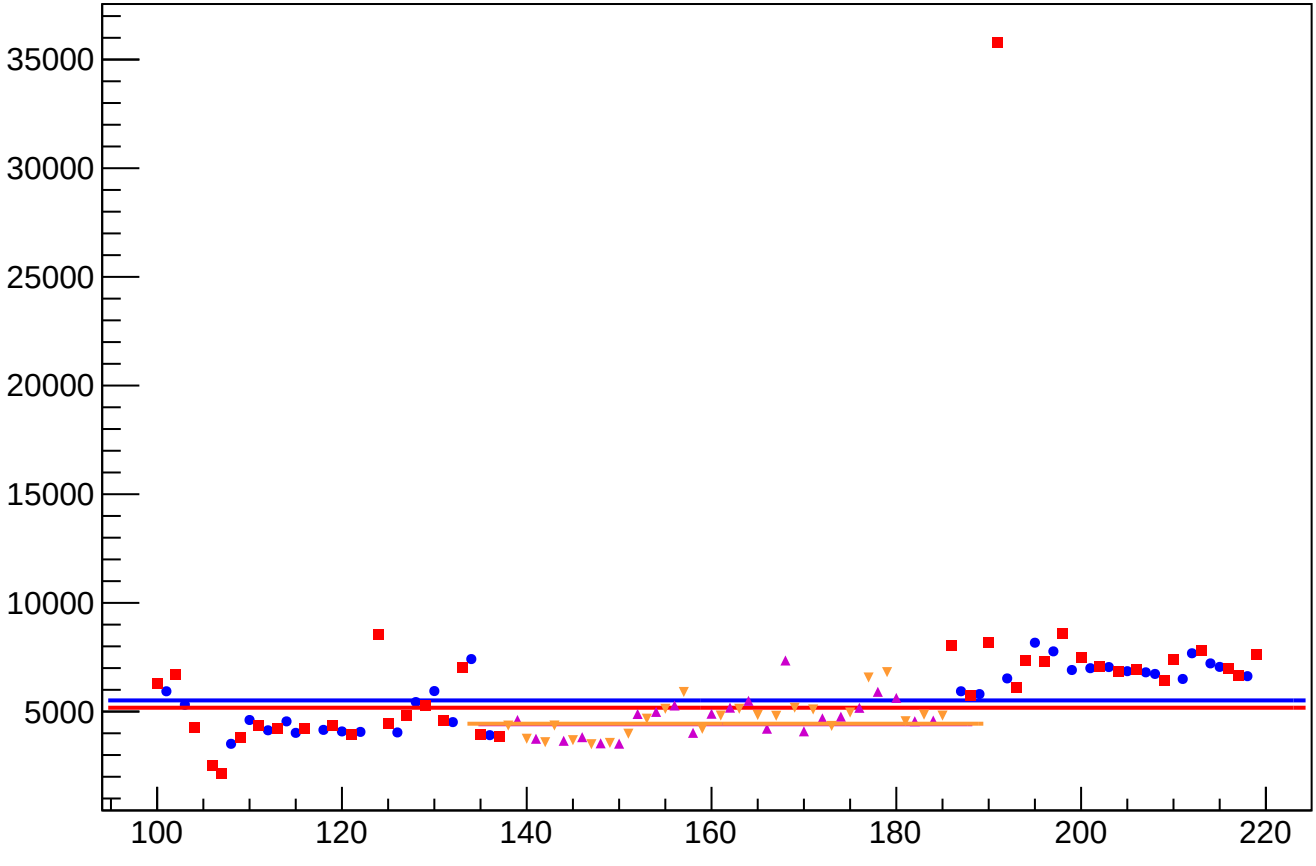
Right: -683.291+/-871.496 χ^2/NDF: 80.0/68

In: -456.516+/-808.786 χ^2/NDF:59.7/54

Out: -171.640+/-780.640 χ^2/NDF:63.1/61

All: -309.035+/-561.682 χ^2/NDF: 122.8/116

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 5512.833+/-0.897 χ^2/NDF: 2454770.0/31

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 5176.324+/-0.843 χ^2/NDF: 4579174.2/36

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

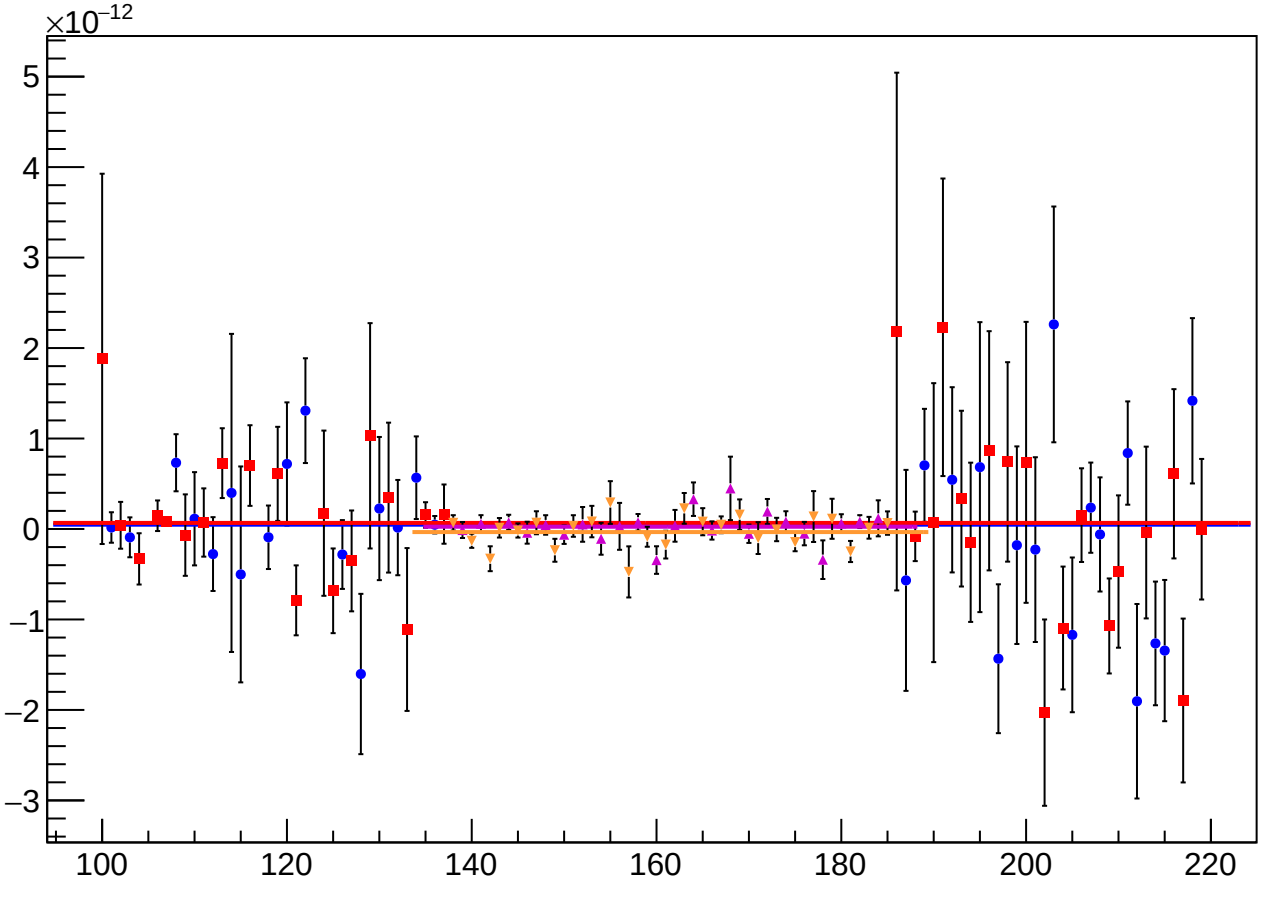
Right: 5334.072+/-0.614 χ^2/NDF: 7108675.8/68

In: 4861.290+/-0.572 χ^2/NDF:4454496.3/54

Out: 4754.705+/-0.551 χ^2/NDF:6088865.1/61

All: 4805.975+/-0.397 χ^2/NDF: 10561387.8/1

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 42.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.1/36

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

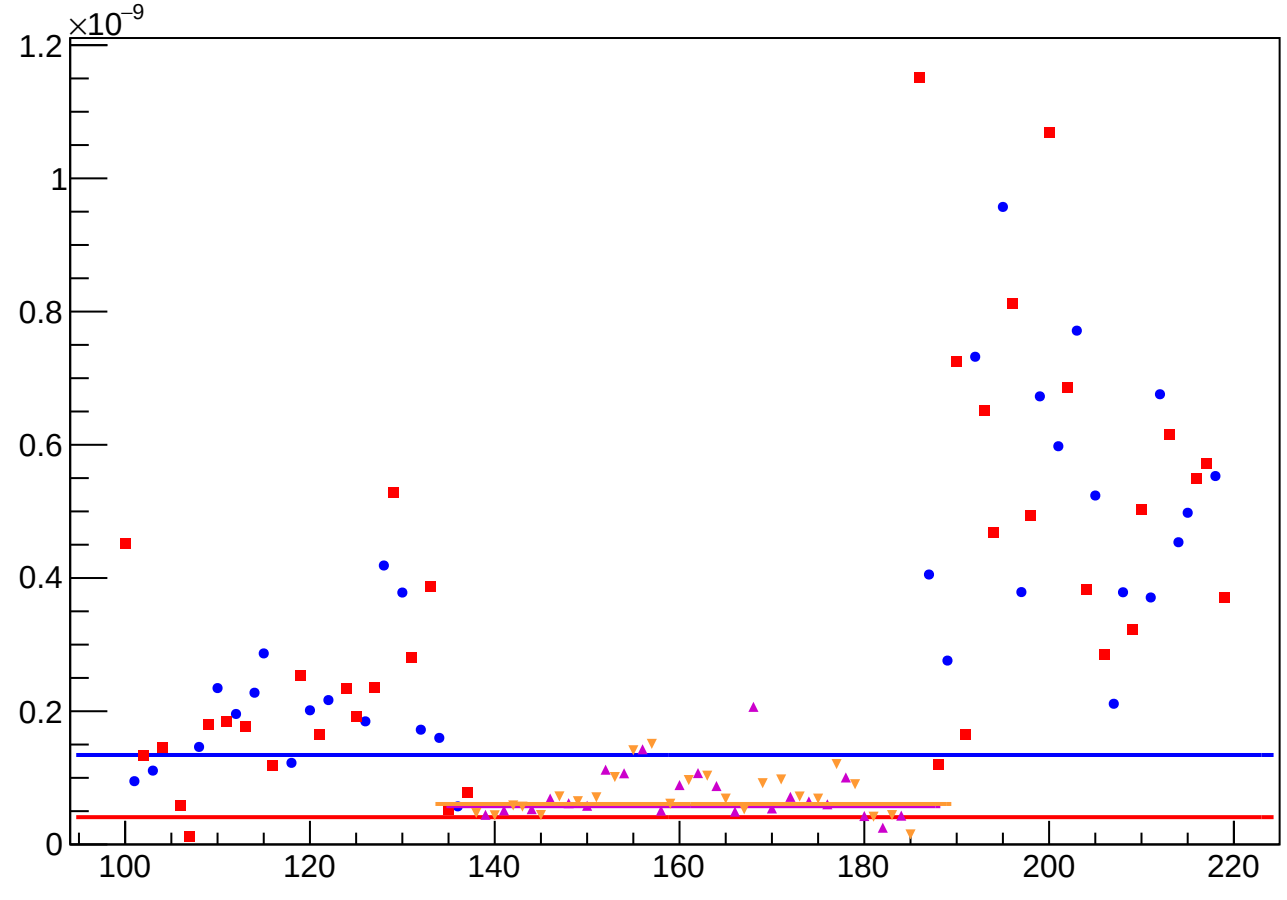
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 83.2/68

In: 0.000+/-0.000 χ^2/NDF:61.4/54

Out: 0.000+/-0.000 χ^2/NDF:75.7/61

All: 0.000+/-0.000 χ^2/NDF: 137.8/116



Right In: 0.000+/-0.000 χ^2/NDF: 7952923.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13918385.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

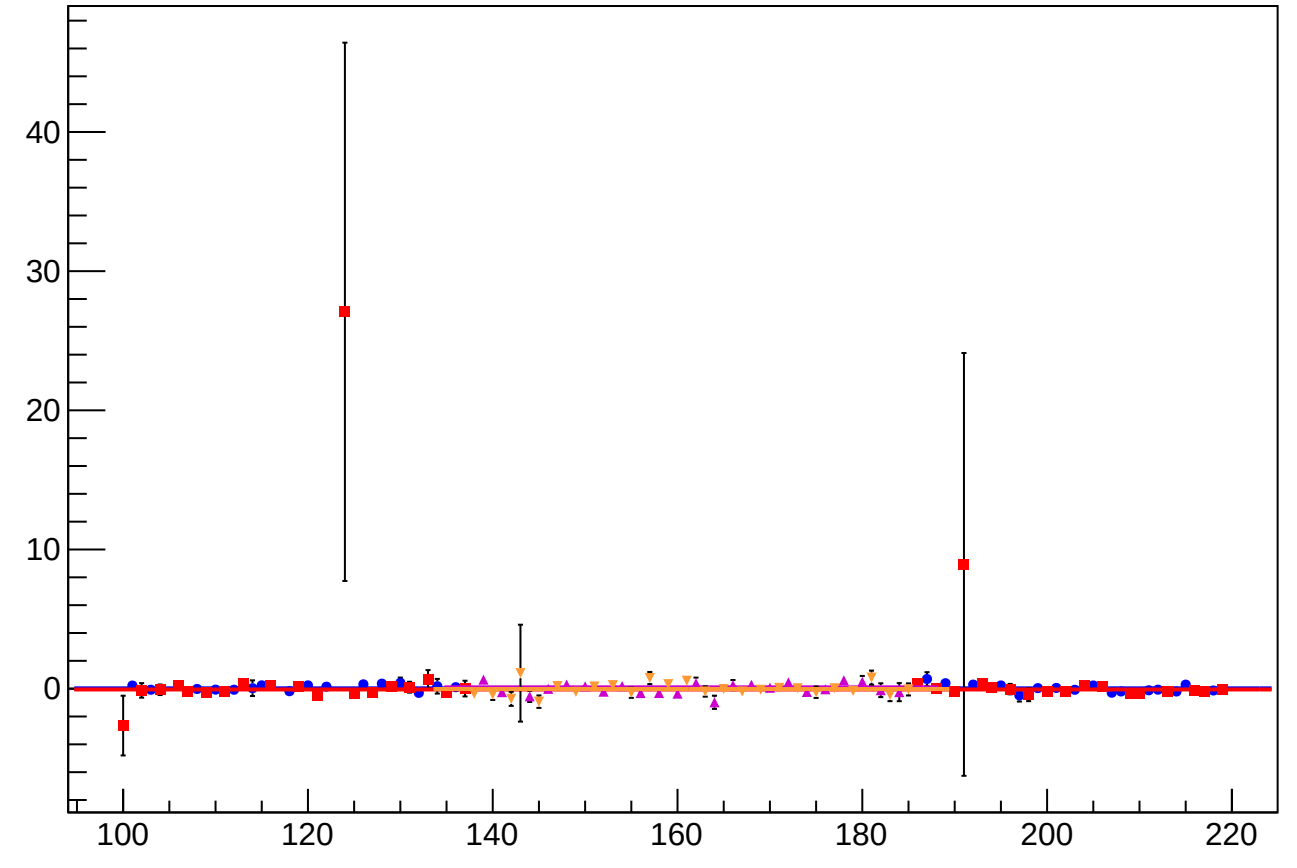
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 25212020.9/68

In: 0.000+/-0.000 χ^2/NDF:12318738.8/54

Out: 0.000+/-0.000 χ^2/NDF:16110183.4/61

All: 0.000+/-0.000 χ^2/NDF: 28833978.6/116



Right In: 0.023+/-0.043 χ^2/NDF: 25.8/31

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.058+/-0.039 χ^2/NDF: 37.6/36

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

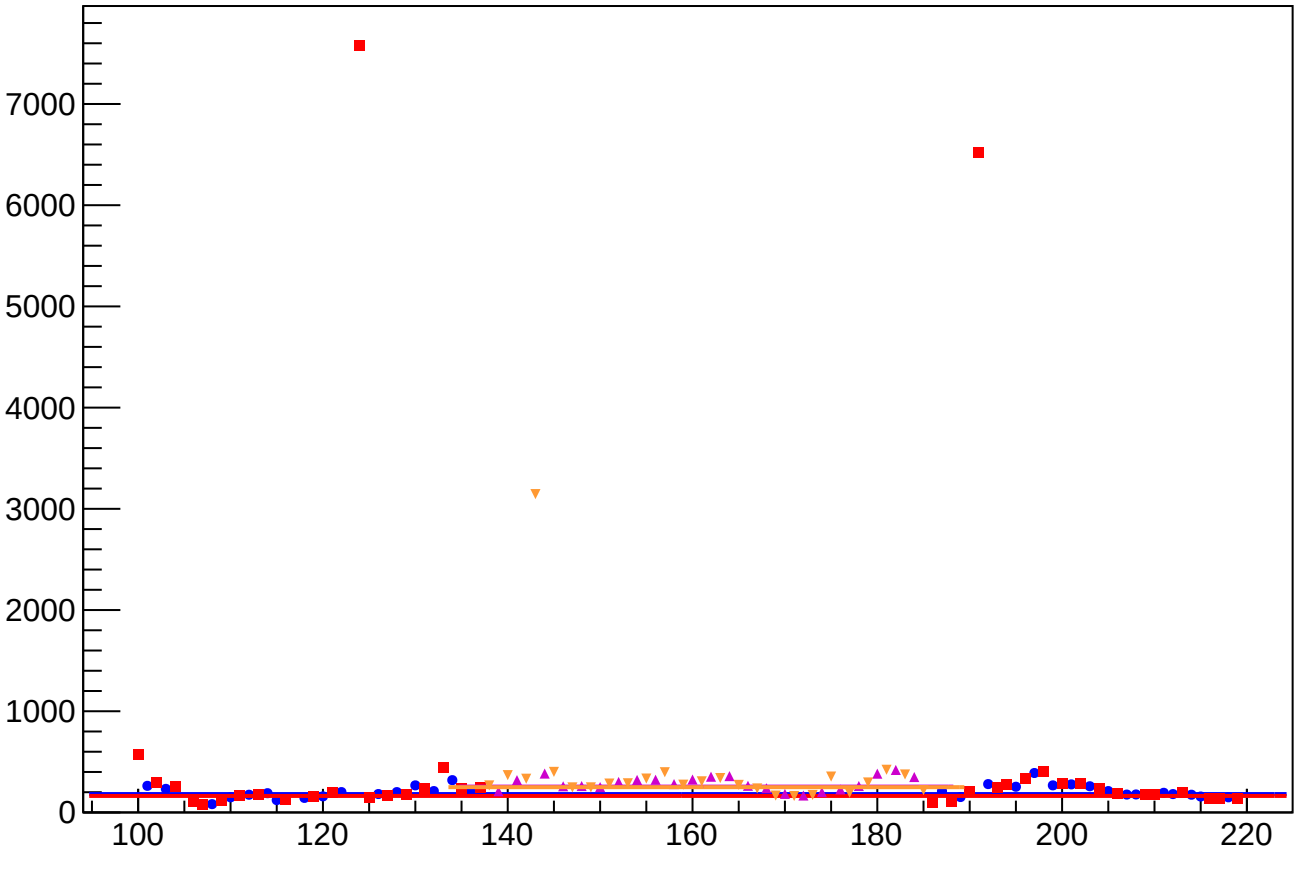
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.021+/-0.029 χ^2/NDF: 65.3/68

In: 0.046+/-0.036 χ^2/NDF:58.1/54

Out: -0.048+/-0.033 χ^2/NDF:61.4/61

All: -0.004+/-0.024 χ^2/NDF: 123.3/116



Right In: 181.660+/-0.030 χ^2/NDF: 3123870.8/31

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 163.215+/-0.028 χ^2/NDF: 5503727.4/36

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

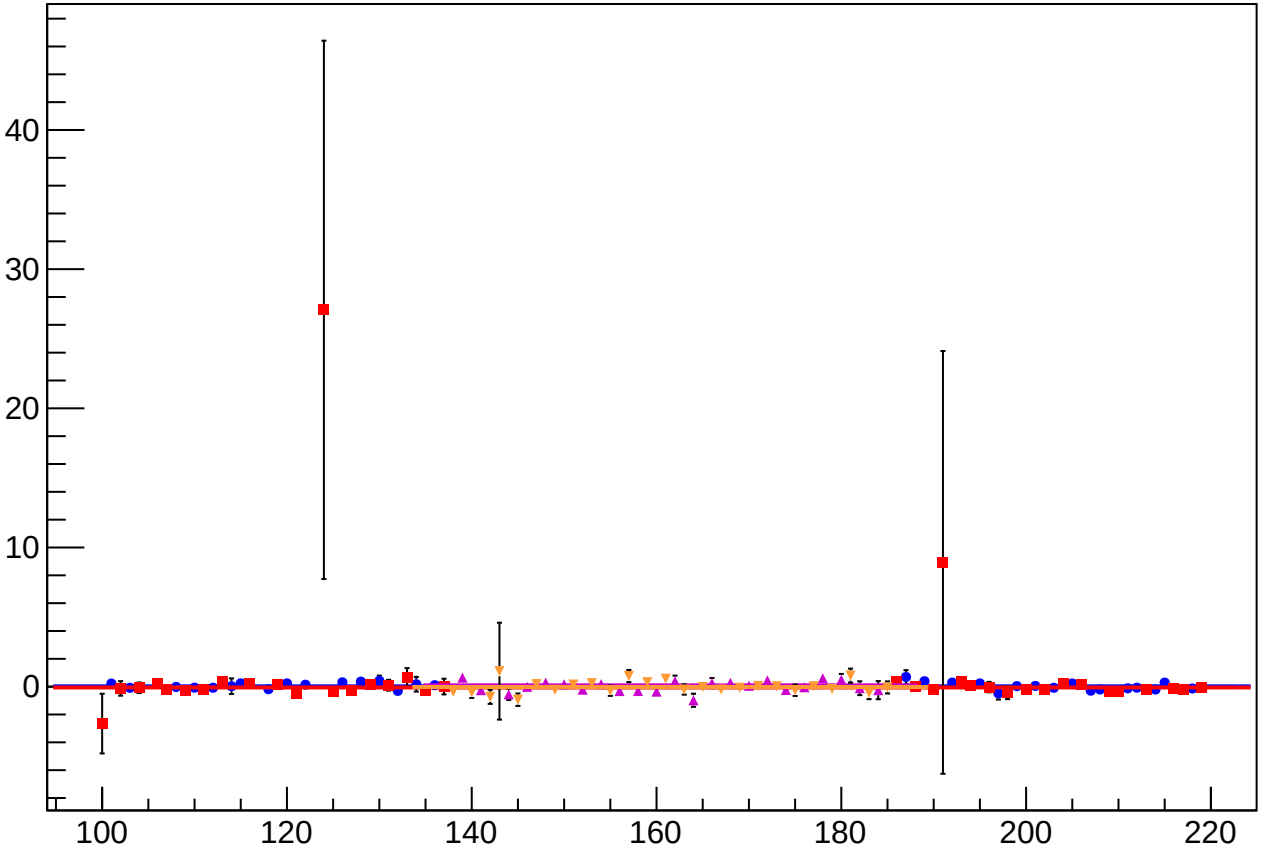
Right: 171.556+/-0.020 χ^2/NDF: 8828352.5/68

In: 205.129+/-0.025 χ^2/NDF:7097044.5/54

Out: 188.131+/-0.023 χ^2/NDF:12554630.6/61

All: 196.006+/-0.017 χ^2/NDF: 19896829.1/11

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.043 χ^2/NDF: 25.8/31

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.058+/-0.039 χ^2/NDF: 37.6/36

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

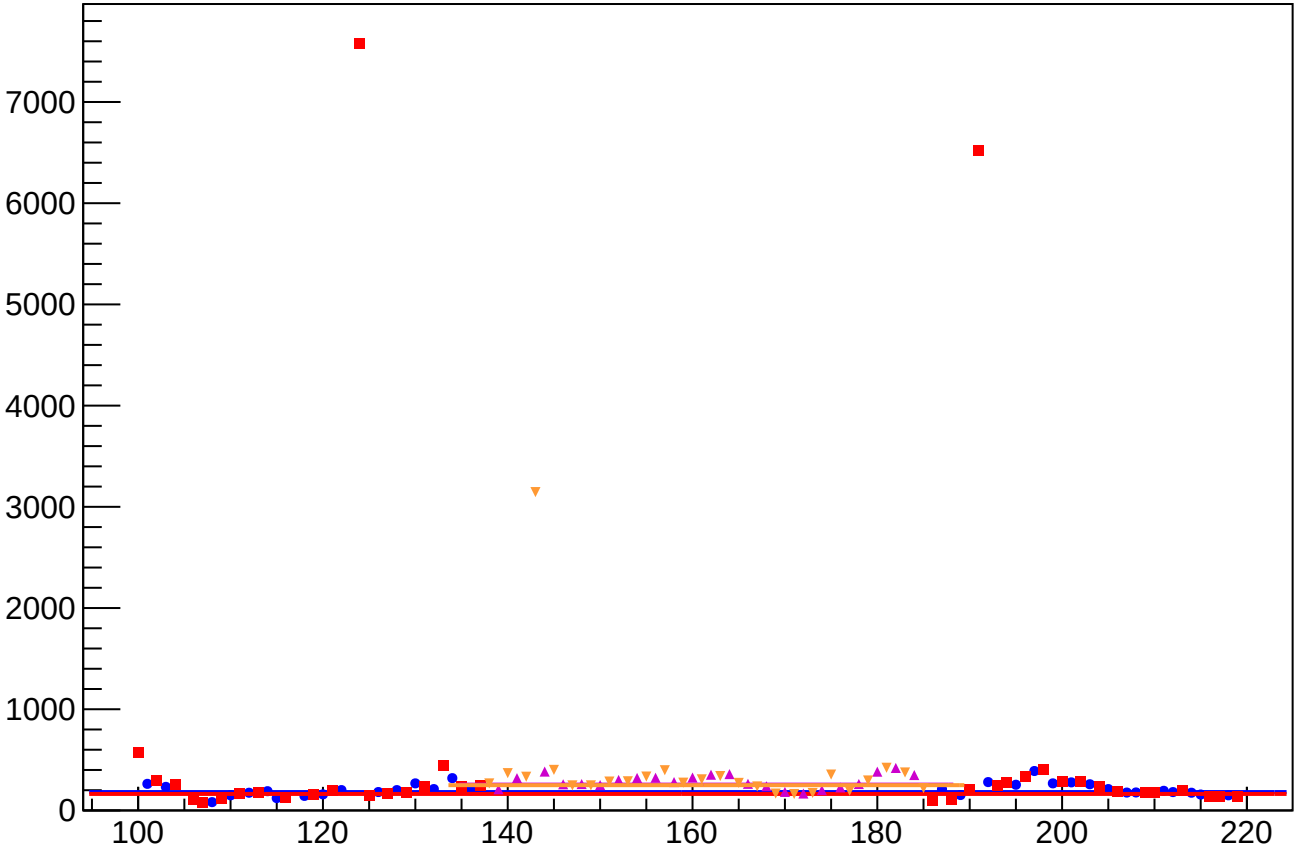
Right: -0.021+/-0.029 χ^2/NDF: 65.3/68

In: 0.046+/-0.036 χ^2/NDF:58.1/54

Out: -0.048+/-0.033 χ^2/NDF:61.4/61

All: -0.004+/-0.024 χ^2/NDF: 123.3/116

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 181.660+/-0.030 χ^2/NDF: 3123870.8/31

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 163.215+/-0.028 χ^2/NDF: 5503727.4/36

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

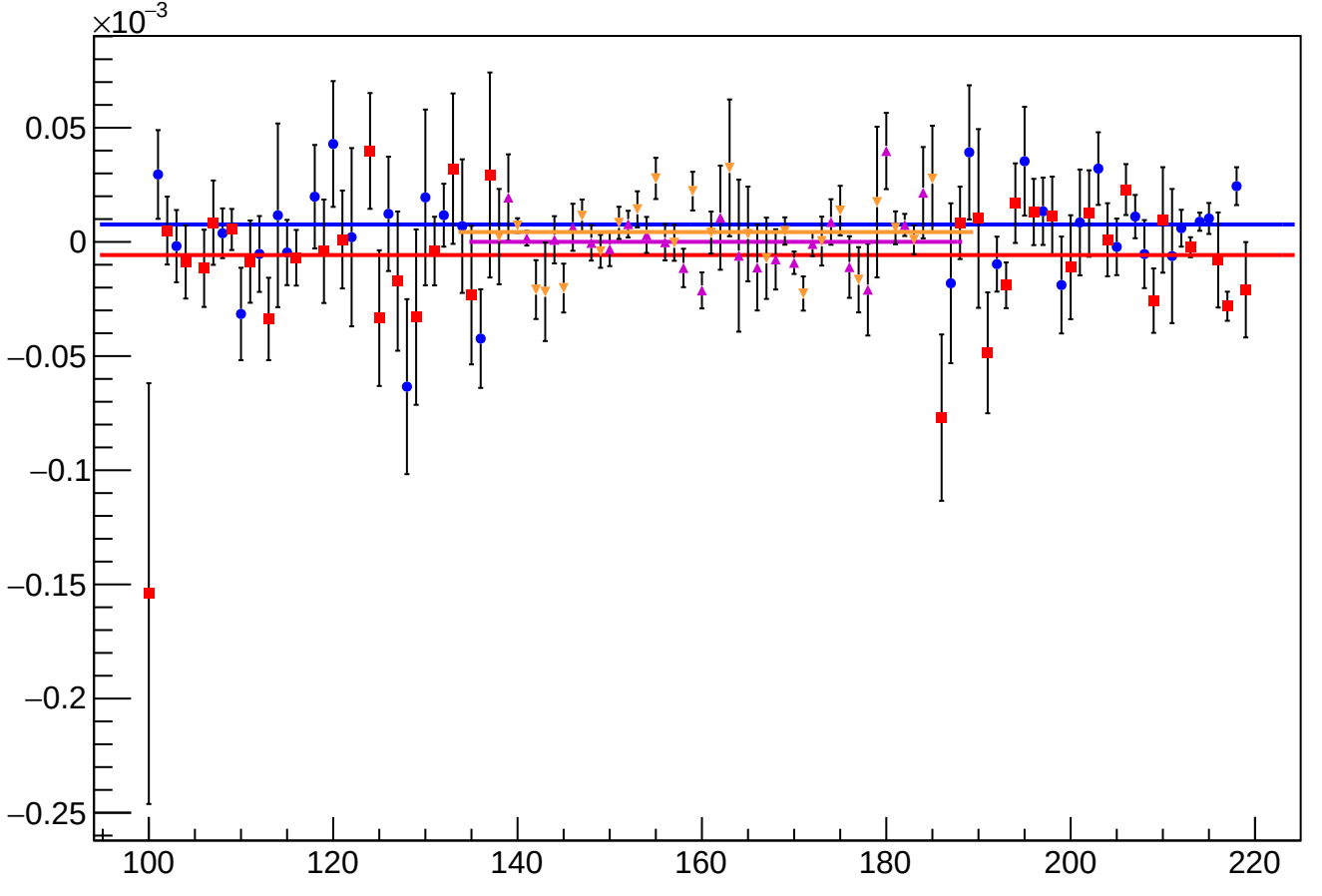
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 171.556+/-0.020 χ^2/NDF: 8828352.5/68

In: 205.129+/-0.025 χ^2/NDF:7097044.5/54

Out: 188.131+/-0.023 χ^2/NDF:12554630.6/61

All: 196.006+/-0.017 χ^2/NDF: 19896829.1/11



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 52.3/36

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

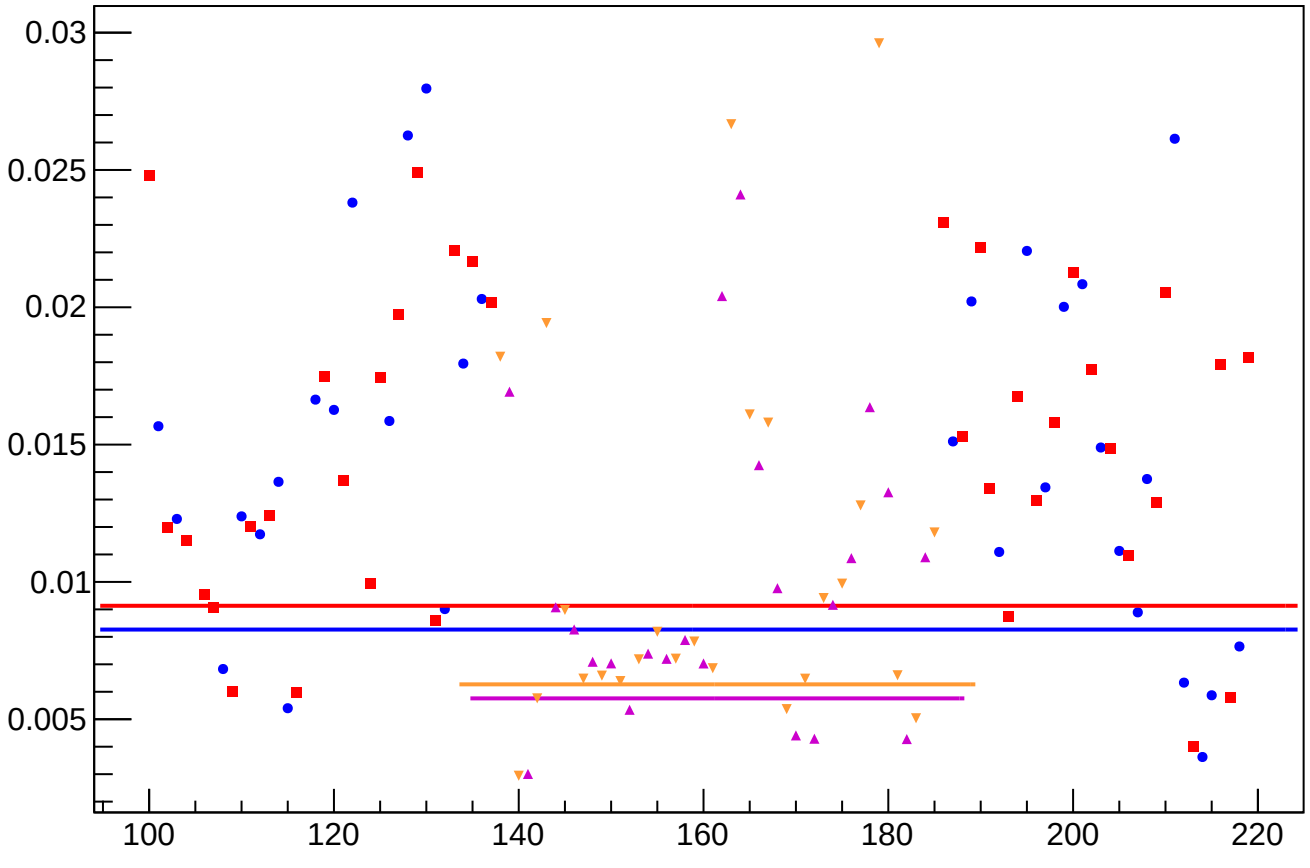
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: 0.000+/-0.000 χ^2/NDF: 103.0/68

In: 0.000+/-0.000 χ^2/NDF:70.0/54

Out: 0.000+/-0.000 χ^2/NDF:111.0/61

All: 0.000+/-0.000 χ^2/NDF: 181.8/116



Right In: 0.008+/-0.000 χ^2/NDF: 10712297.8/31

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 10187517.1/36

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

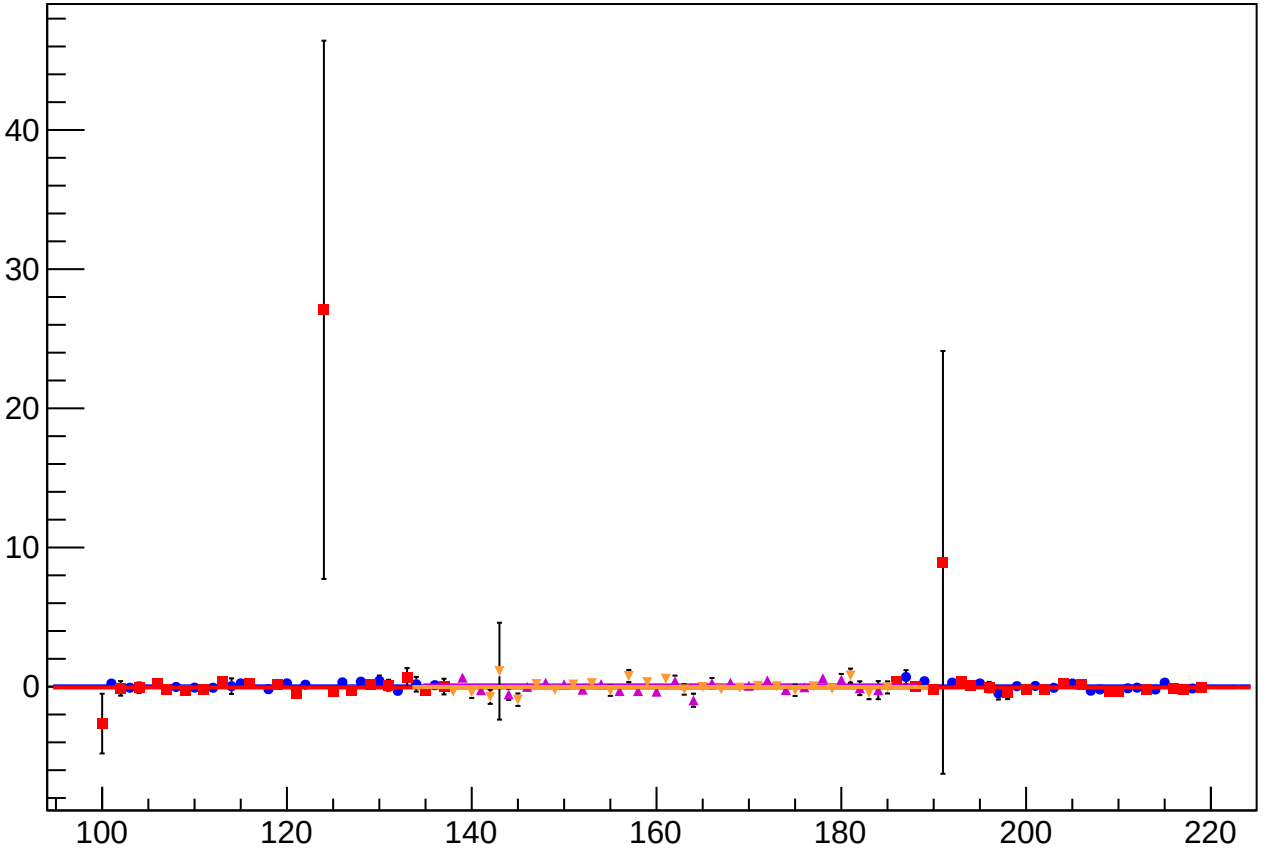
Right: 0.009+/-0.000 χ^2/NDF: 21046790.4/68

In: 0.007+/-0.000 χ^2/NDF:19489738.1/54

Out: 0.007+/-0.000 χ^2/NDF:20139627.0/61

All: 0.007+/-0.000 χ^2/NDF: 39865247.3/116

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.043 χ^2/NDF: 25.8/31

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.058+/-0.039 χ^2/NDF: 37.6/36

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

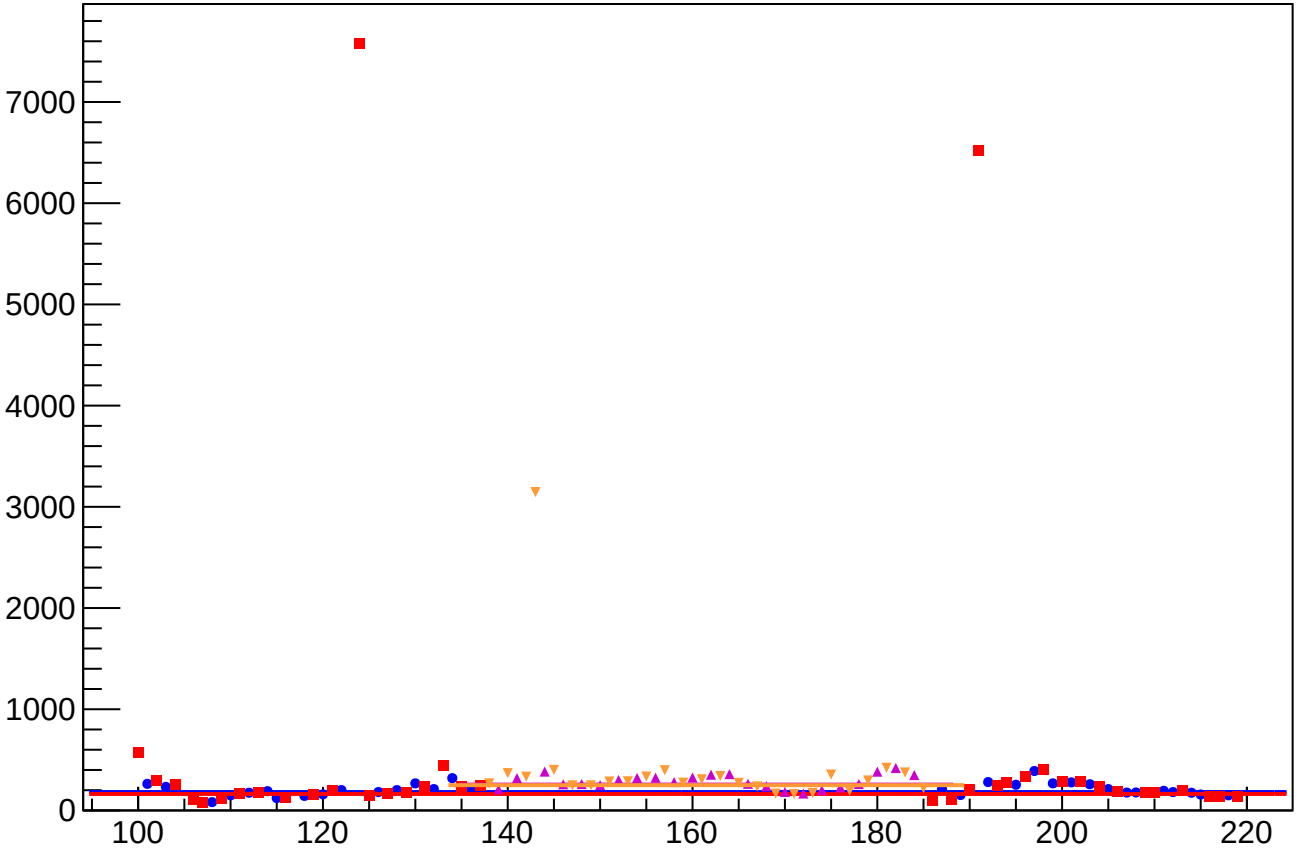
Right: -0.021+/-0.029 χ^2/NDF: 65.3/68

In: 0.046+/-0.036 χ^2/NDF:58.1/54

Out: -0.048+/-0.033 χ^2/NDF:61.4/61

All: -0.004+/-0.024 χ^2/NDF: 123.3/116

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 181.659+/-0.030 χ^2/NDF: 3123938.7/31

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 163.217+/-0.028 χ^2/NDF: 5503577.1/36

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

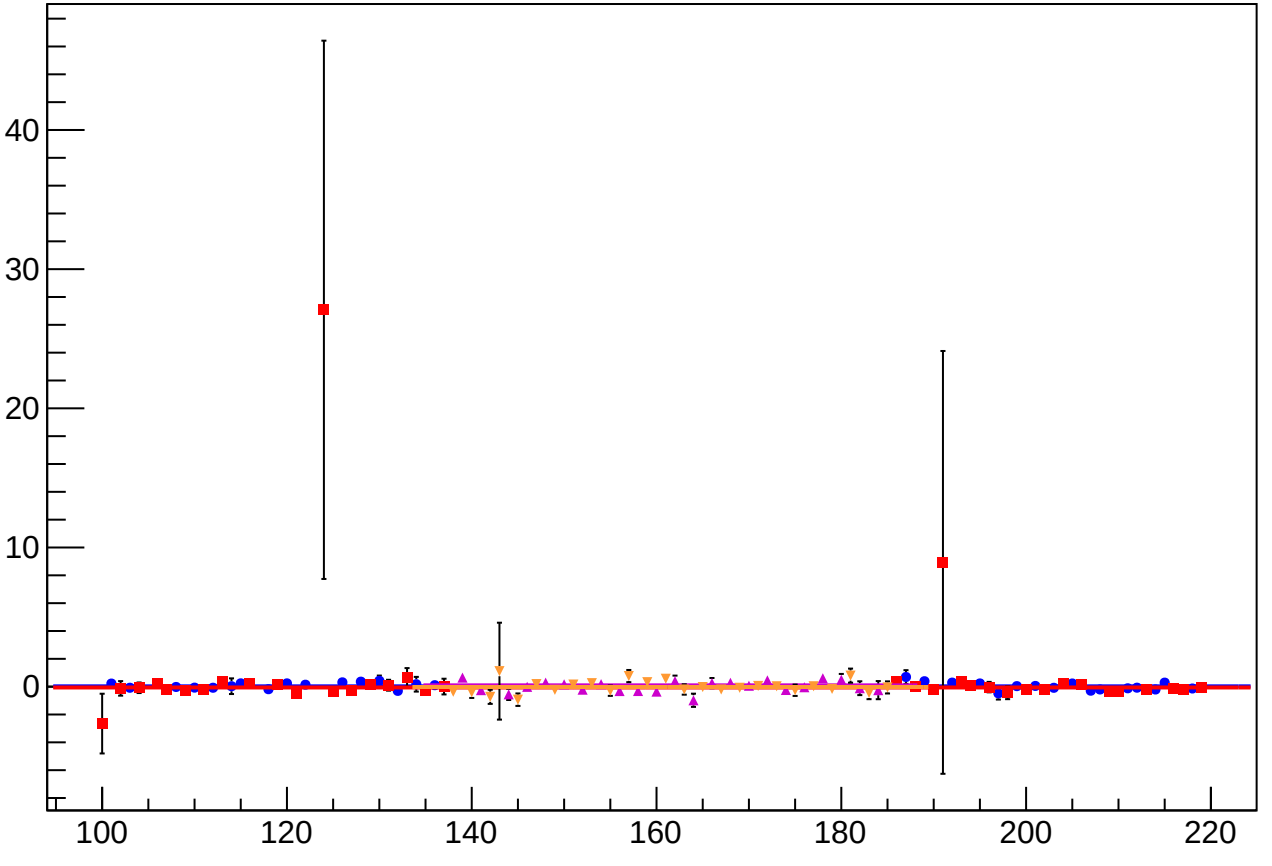
Right: 171.557+/-0.020 χ^2/NDF: 8828206.3/68

In: 205.129+/-0.025 χ^2/NDF:7097281.4/54

Out: 188.133+/-0.023 χ^2/NDF:12554493.7/61

All: 196.008+/-0.017 χ^2/NDF: 19896861.7/11

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.043 χ^2/NDF: 25.8/31

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.058+/-0.039 χ^2/NDF: 37.6/36

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

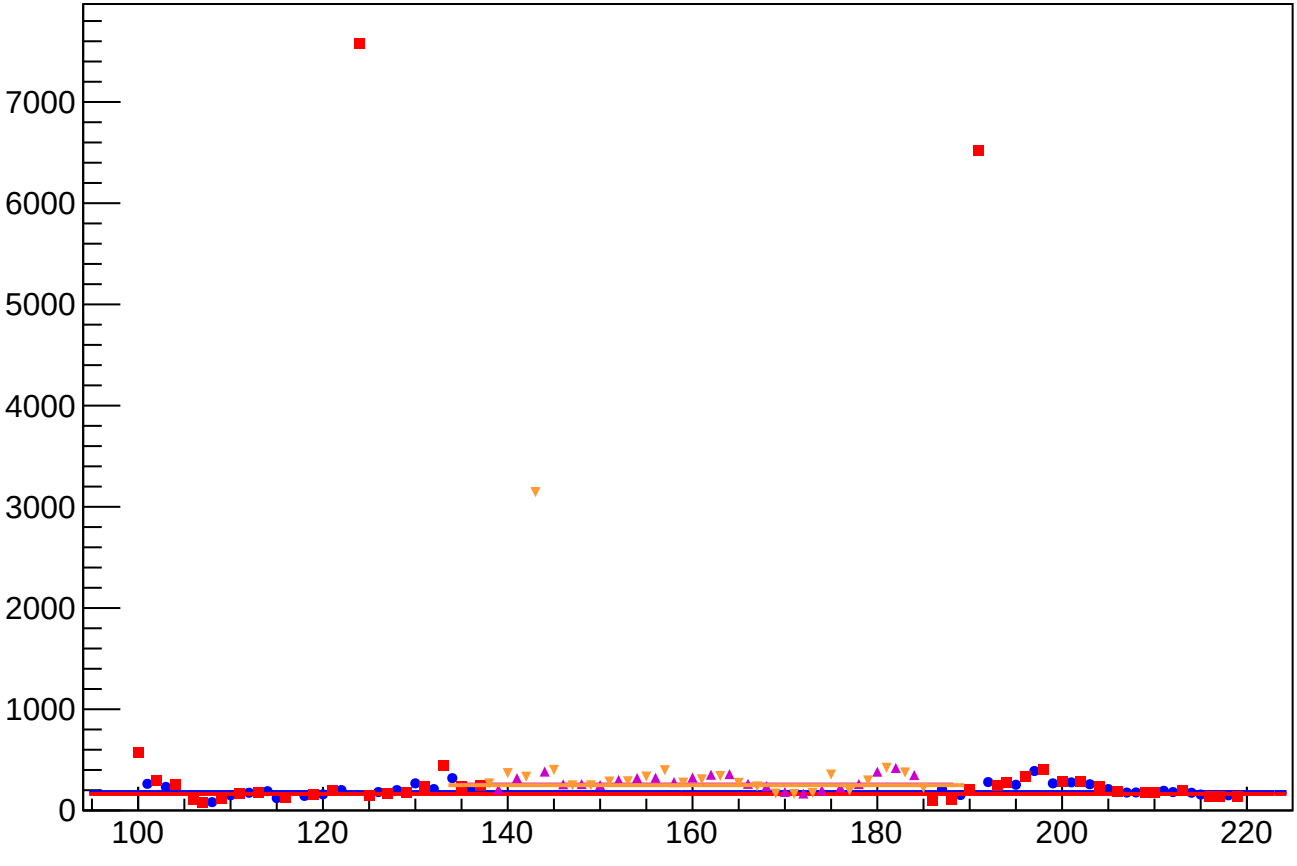
Right: -0.021+/-0.029 χ^2/NDF: 65.3/68

In: 0.046+/-0.036 χ^2/NDF:58.1/54

Out: -0.048+/-0.033 χ^2/NDF:61.4/61

All: -0.004+/-0.024 χ^2/NDF: 123.3/116

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 181.659+/-0.030 χ^2/NDF: 3123938.7/31

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 163.217+/-0.028 χ^2/NDF: 5503577.1/36

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

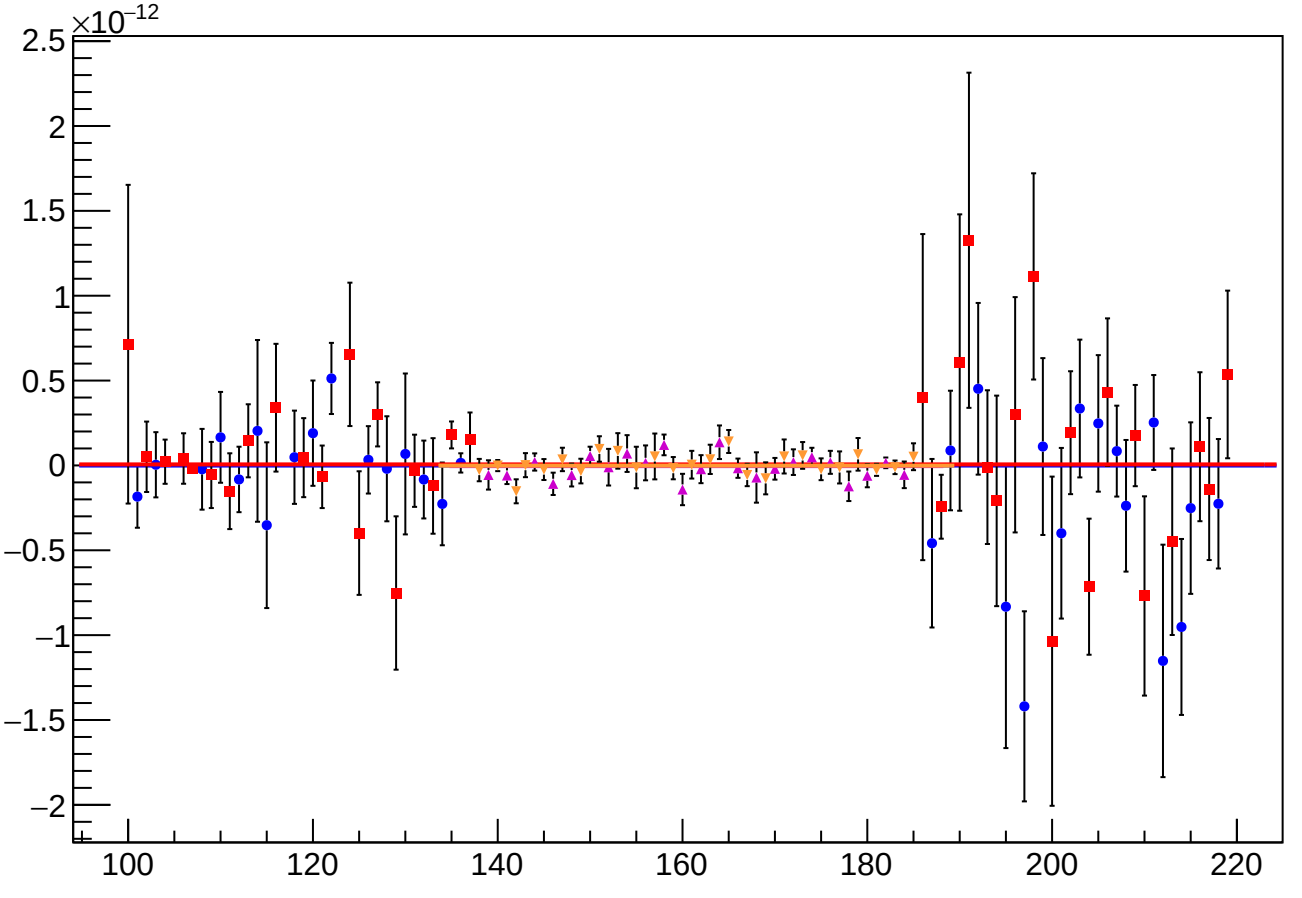
Right: 171.557+/-0.020 χ^2/NDF: 8828206.3/68

In: 205.129+/-0.025 χ^2/NDF:7097281.4/54

Out: 188.133+/-0.023 χ^2/NDF:12554493.7/61

All: 196.008+/-0.017 χ^2/NDF: 19896861.7/1

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.9/36

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

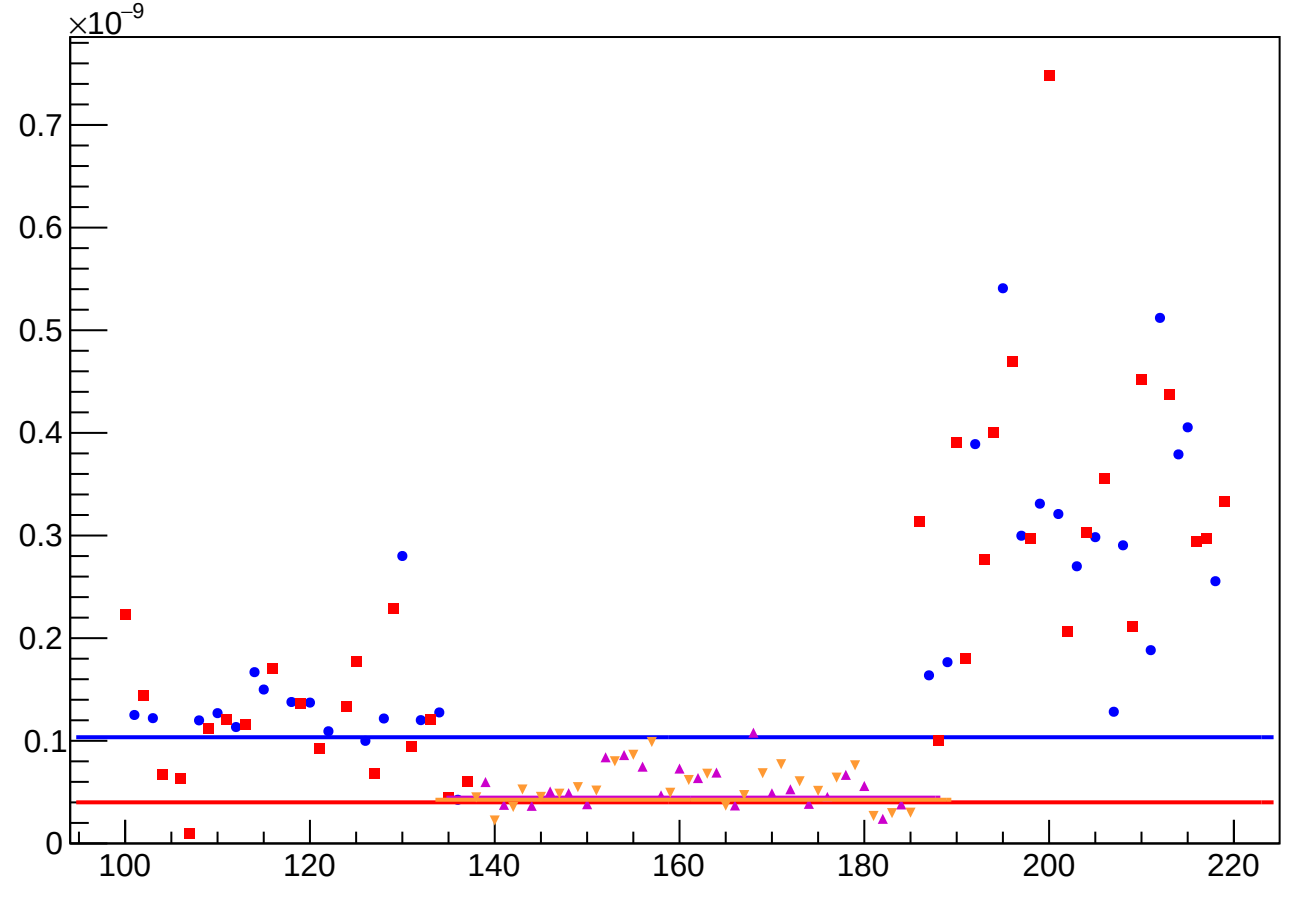
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 64.6/68

In: -0.000+/-0.000 χ^2/NDF:48.6/54

Out: 0.000+/-0.000 χ^2/NDF:52.3/61

All: -0.000+/-0.000 χ^2/NDF: 101.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 8887310.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17206004.5/36

Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

Left: 0.000+/-0.000 χ^2/NDF: 6543796.8/47

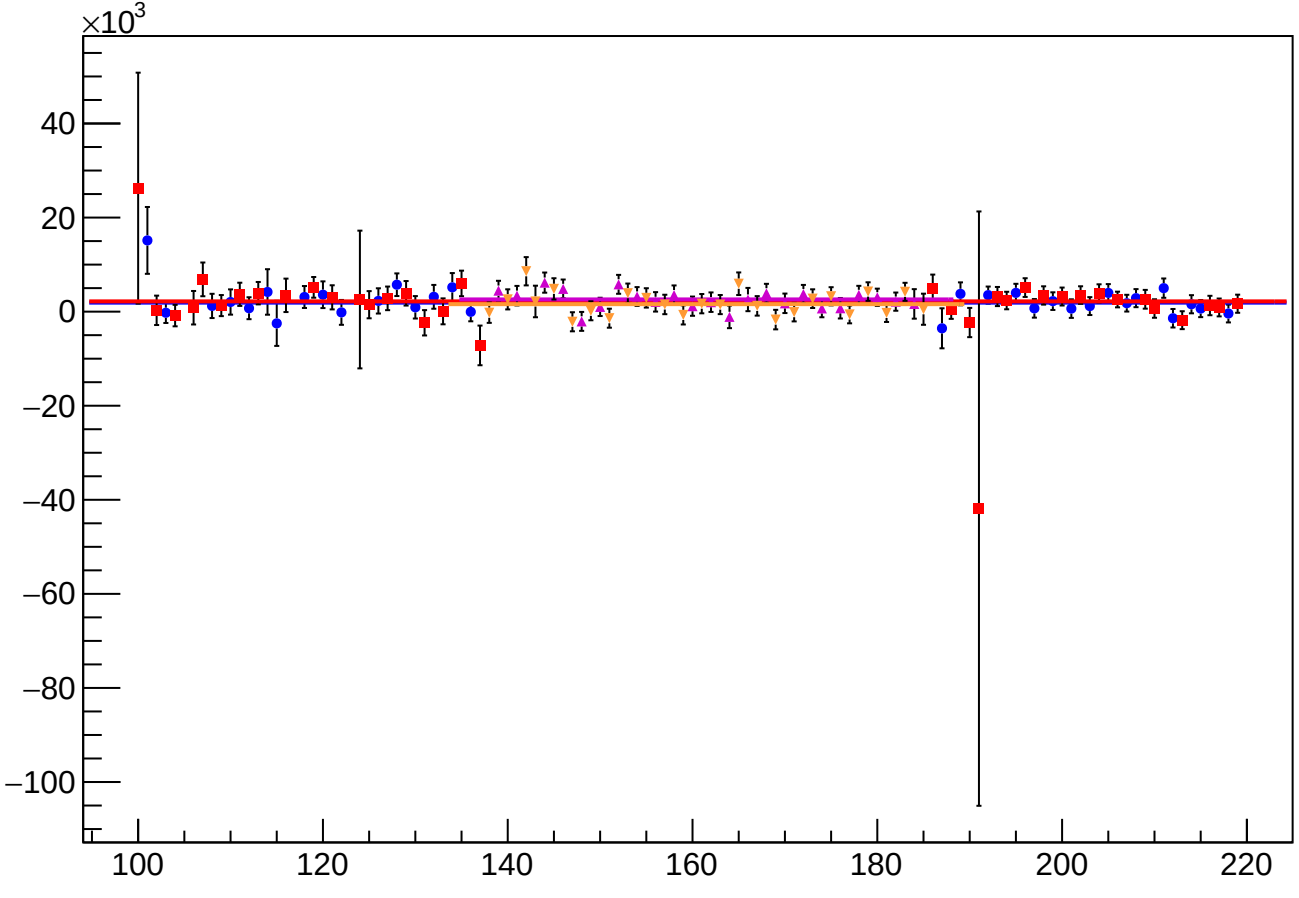
Right: 0.000+/-0.000 χ^2/NDF: 30024193.0/68

In: 0.000+/-0.000 χ^2/NDF:15761693.1/54

Out: 0.000+/-0.000 χ^2/NDF:20873854.7/61

All: 0.000+/-0.000 χ^2/NDF: 37187228.6/116

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1917.365+/-397.494 χ^2/NDF: 25.8/31

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 2182.961+/-388.998 χ^2/NDF: 33.5/36

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

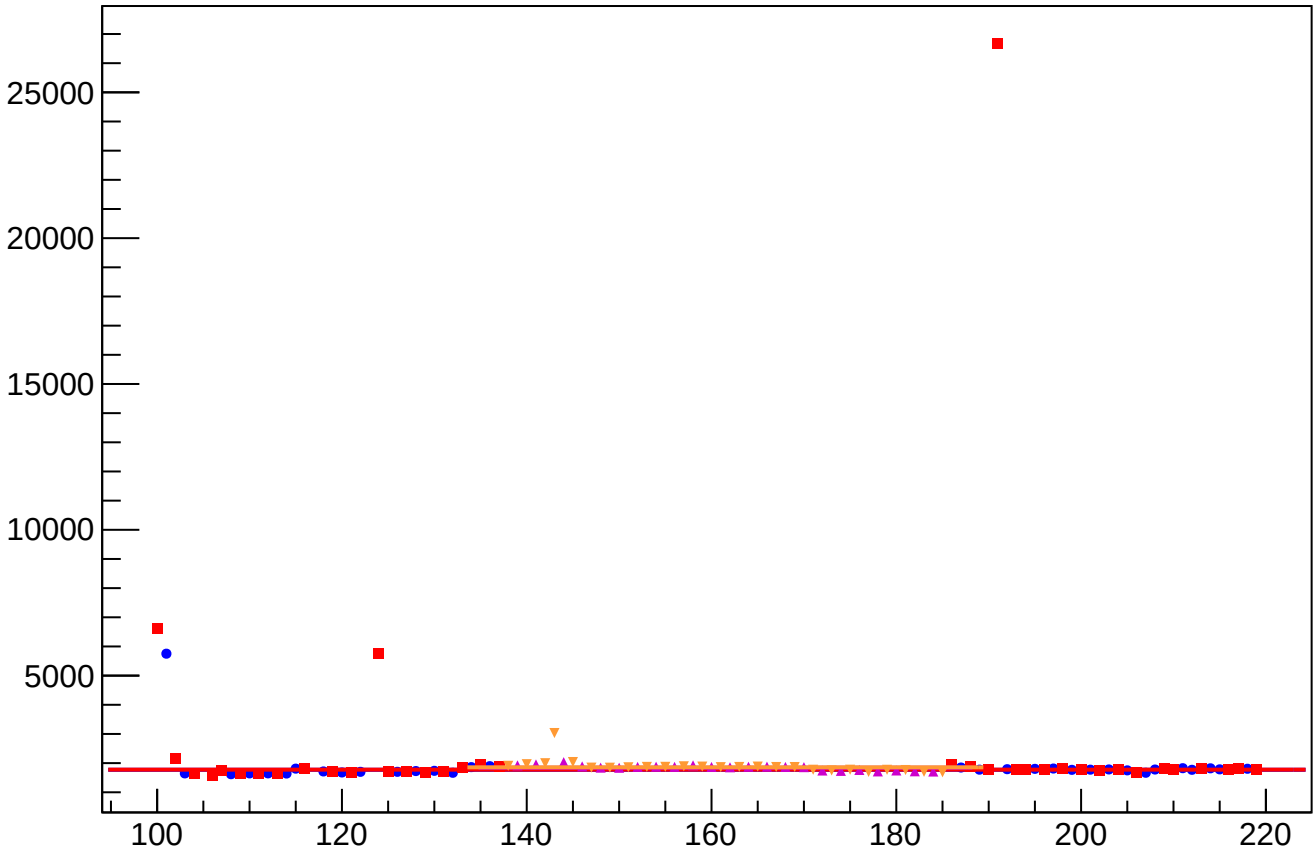
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2053.032+/-278.018 χ^2/NDF: 59.5/68

In: 2230.636+/-291.978 χ^2/NDF:47.3/54

Out: 1912.603+/-286.423 χ^2/NDF:65.8/61

All: 2068.565+/-204.467 χ^2/NDF: 113.6/116



Right In: 1770.630+/-0.281 χ^2/NDF: 685330.4/31

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1775.675+/-0.274 χ^2/NDF: 649668.5/36

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

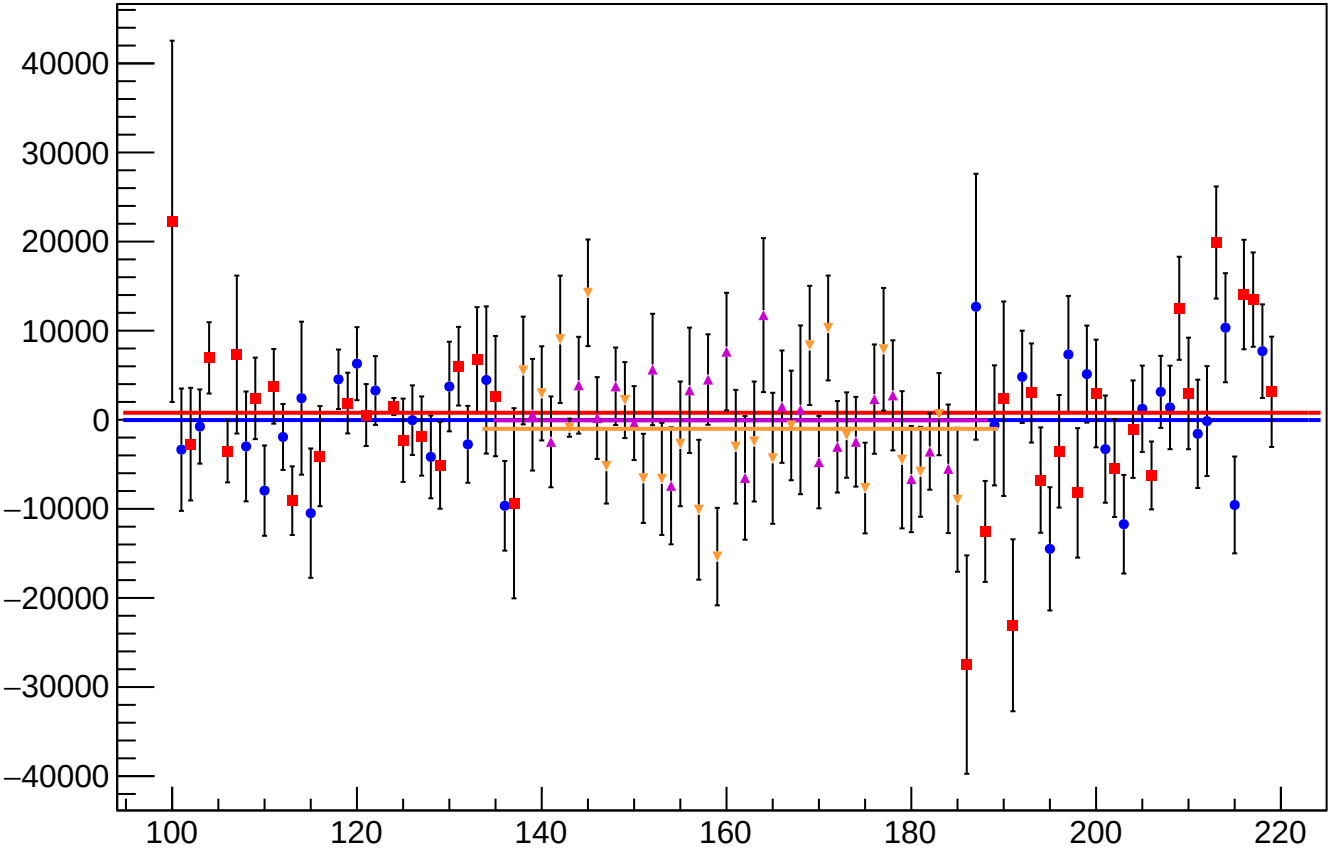
Right: 1773.214+/-0.196 χ^2/NDF: 1335163.9/68

In: 1803.022+/-0.206 χ^2/NDF:785162.1/54

Out: 1812.147+/-0.202 χ^2/NDF:1012645.5/61

All: 1807.679+/-0.144 χ^2/NDF: 1798804.4/11

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -34.431+/-903.037 χ^2/NDF: 37.9/31

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: 783.706+/-646.564 χ^2/NDF: 69.8/36

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

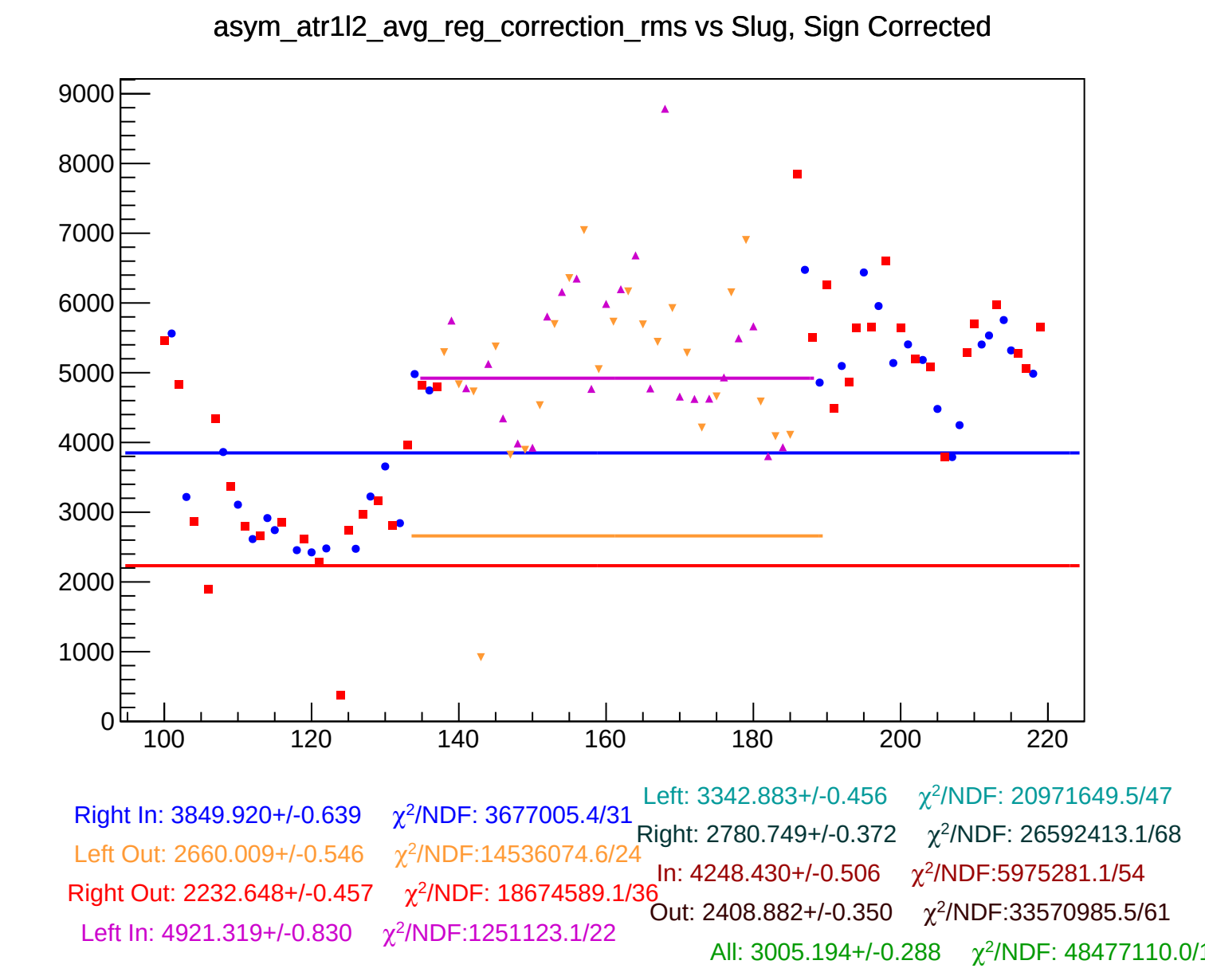
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

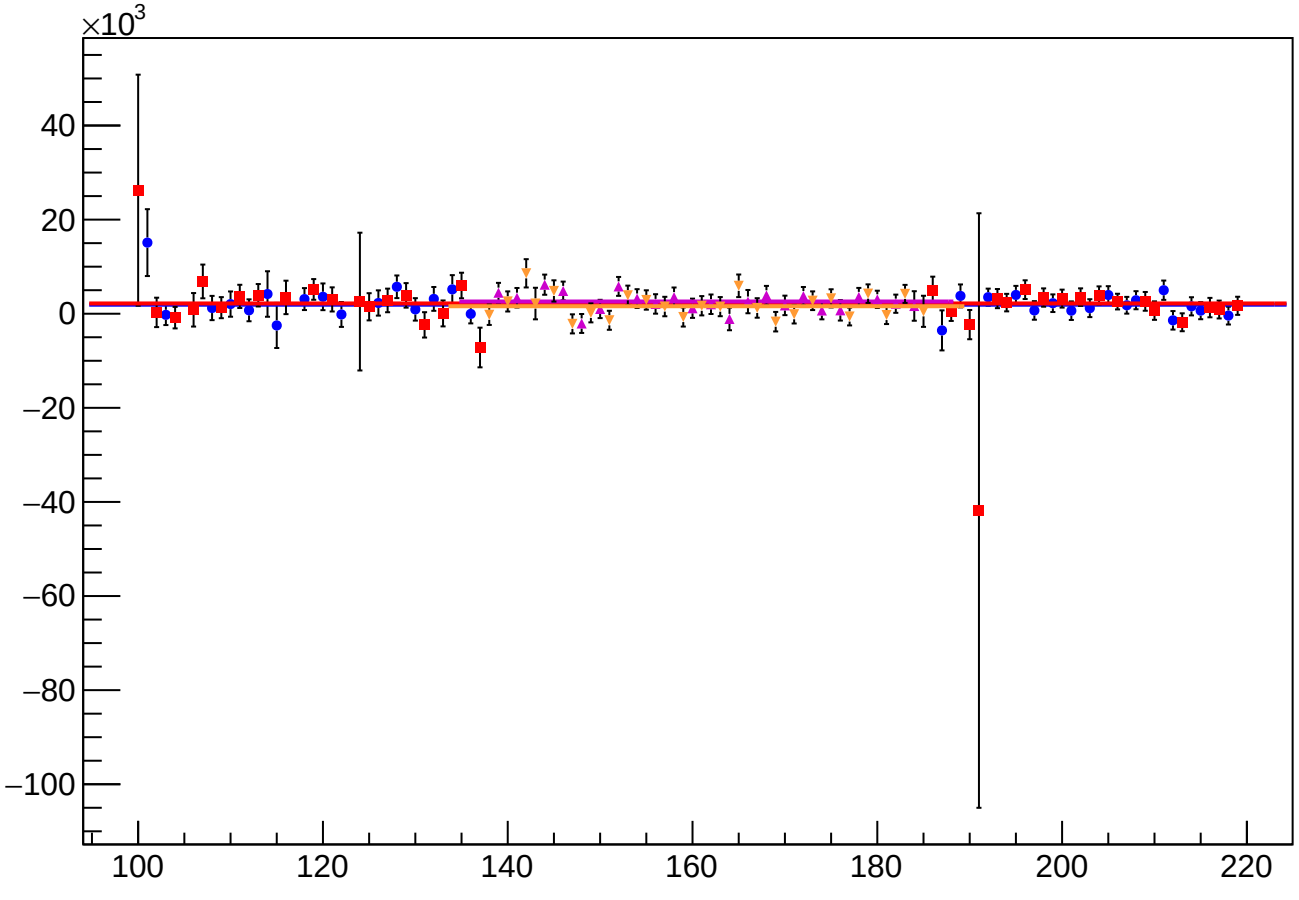
Right: 506.436+/-525.707 χ^2/NDF: 108.2/68

In: -44.823+/-715.651 χ^2/NDF:50.9/54

Out: 40.369+/-495.634 χ^2/NDF:106.7/61

All: 12.753+/-407.458 χ^2/NDF: 157.7/116


asym_atr1l2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 3849.920+/-0.639 χ²/NDF: 3677005.4/31
Left Out: 2660.009+/-0.546 χ²/NDF:14536074.6/24
Right Out: 2232.648+/-0.457 χ²/NDF: 18674589.1/36
Left In: 4921.319+/-0.830 χ²/NDF:1251123.1/22
Left: 3342.883+/-0.456 χ²/NDF: 20971649.5/47
Right: 2780.749+/-0.372 χ²/NDF: 26592413.1/68
In: 4248.430+/-0.506 χ²/NDF:5975281.1/54
Out: 2408.882+/-0.350 χ²/NDF:33570985.5/61
All: 3005.194+/-0.288 χ²/NDF: 48477110.0/1



Right In: 1917.168+/-397.494 χ^2/NDF: 25.8/31

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2182.995+/-388.998 χ^2/NDF: 33.4/36

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

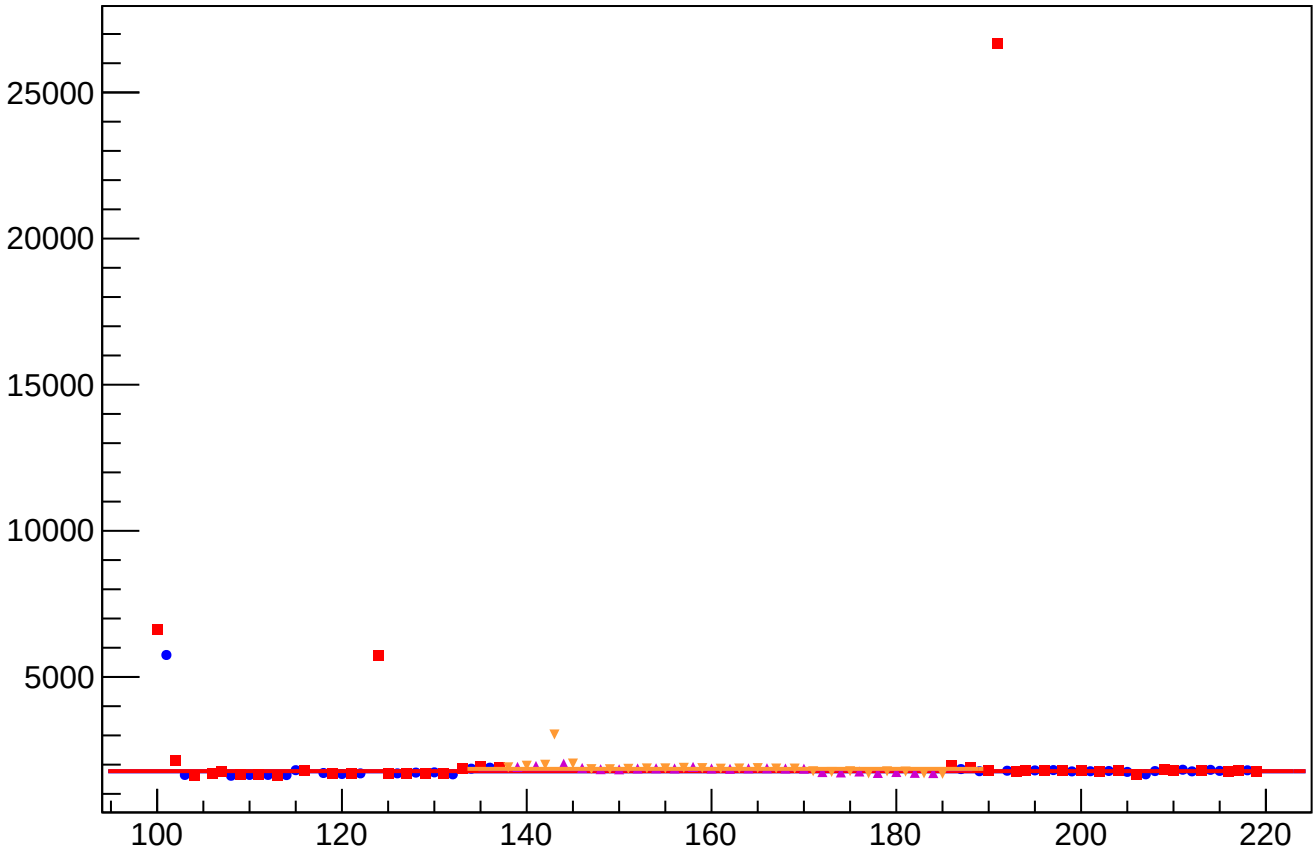
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2052.953+/-278.018 χ^2/NDF: 59.5/68

In: 2230.563+/-291.978 χ^2/NDF:47.3/54

Out: 1912.606+/-286.423 χ^2/NDF:65.8/61

All: 2068.531+/-204.467 χ^2/NDF: 113.6/116



Right In: 1770.630+/-0.281 χ^2/NDF: 685330.6/31

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.142+/-0.275 χ^2/NDF: 640840.1/36

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

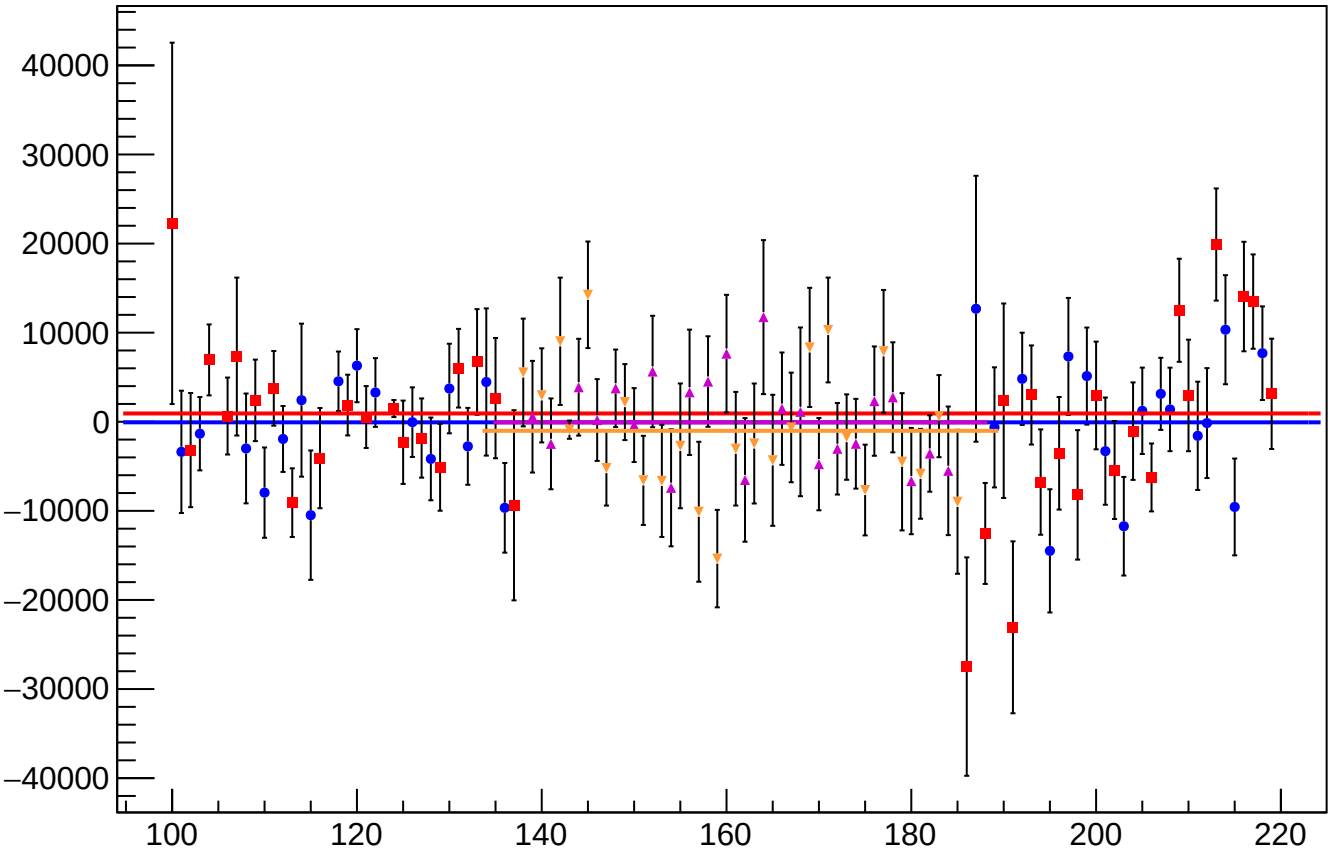
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1774.472+/-0.196 χ^2/NDF: 1326536.0/68

In: 1803.022+/-0.206 χ^2/NDF:785162.5/54

Out: 1813.537+/-0.202 χ^2/NDF:1001421.0/61

All: 1808.384+/-0.145 χ^2/NDF: 1787906.1/11



Right In: -63.746+/-902.486 χ^2/NDF: 38.0/31

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 931.604+/-650.600 χ^2/NDF: 68.3/36

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

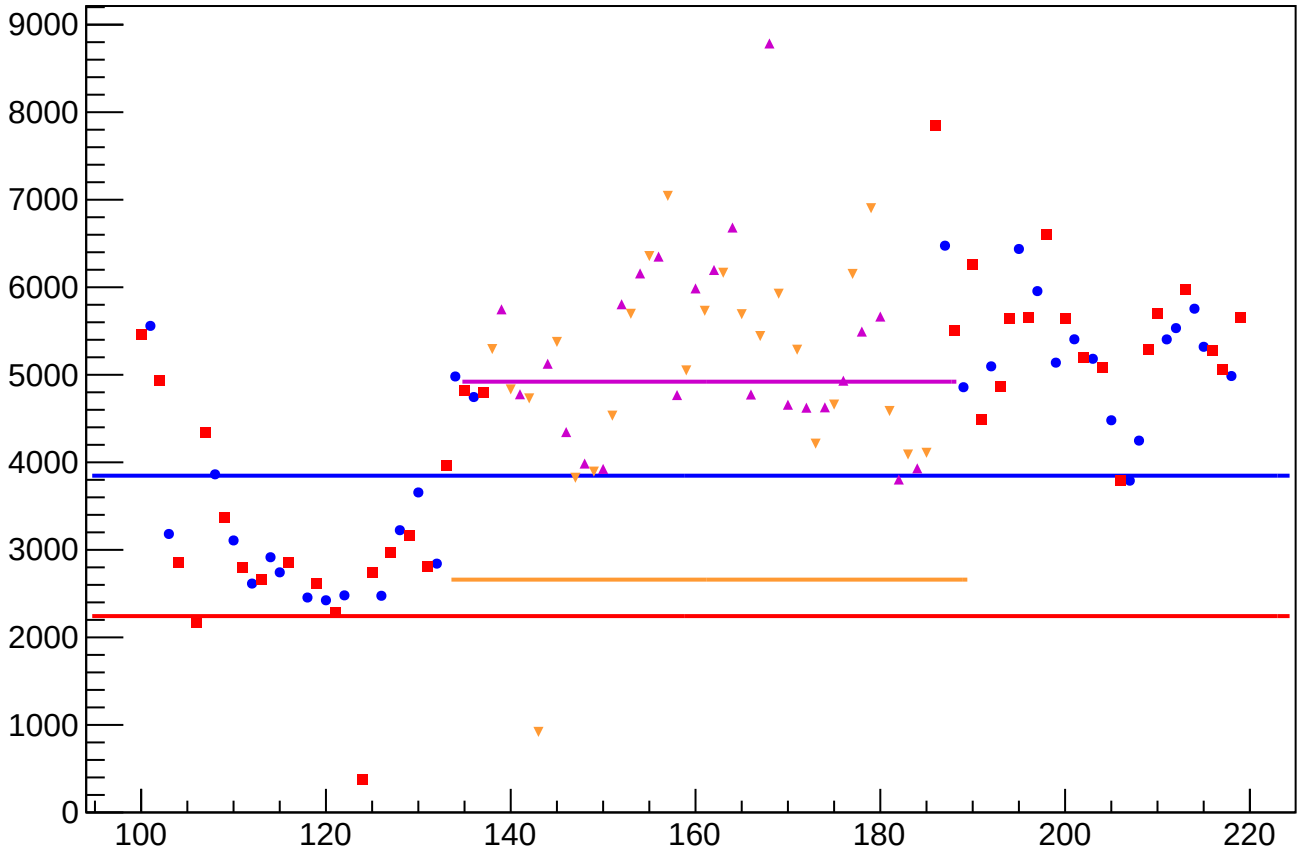
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 591.222+/-527.759 χ^2/NDF: 107.0/68

In: -63.203+/-715.377 χ^2/NDF:51.0/54

Out: 121.430+/-497.440 χ^2/NDF:105.7/61

All: 61.253+/-408.408 χ^2/NDF: 156.8/116



Right In: 3847.373+/-0.638 χ^2/NDF: 3683389.2/31

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2243.258+/-0.460 χ^2/NDF: 18670664.6/36

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

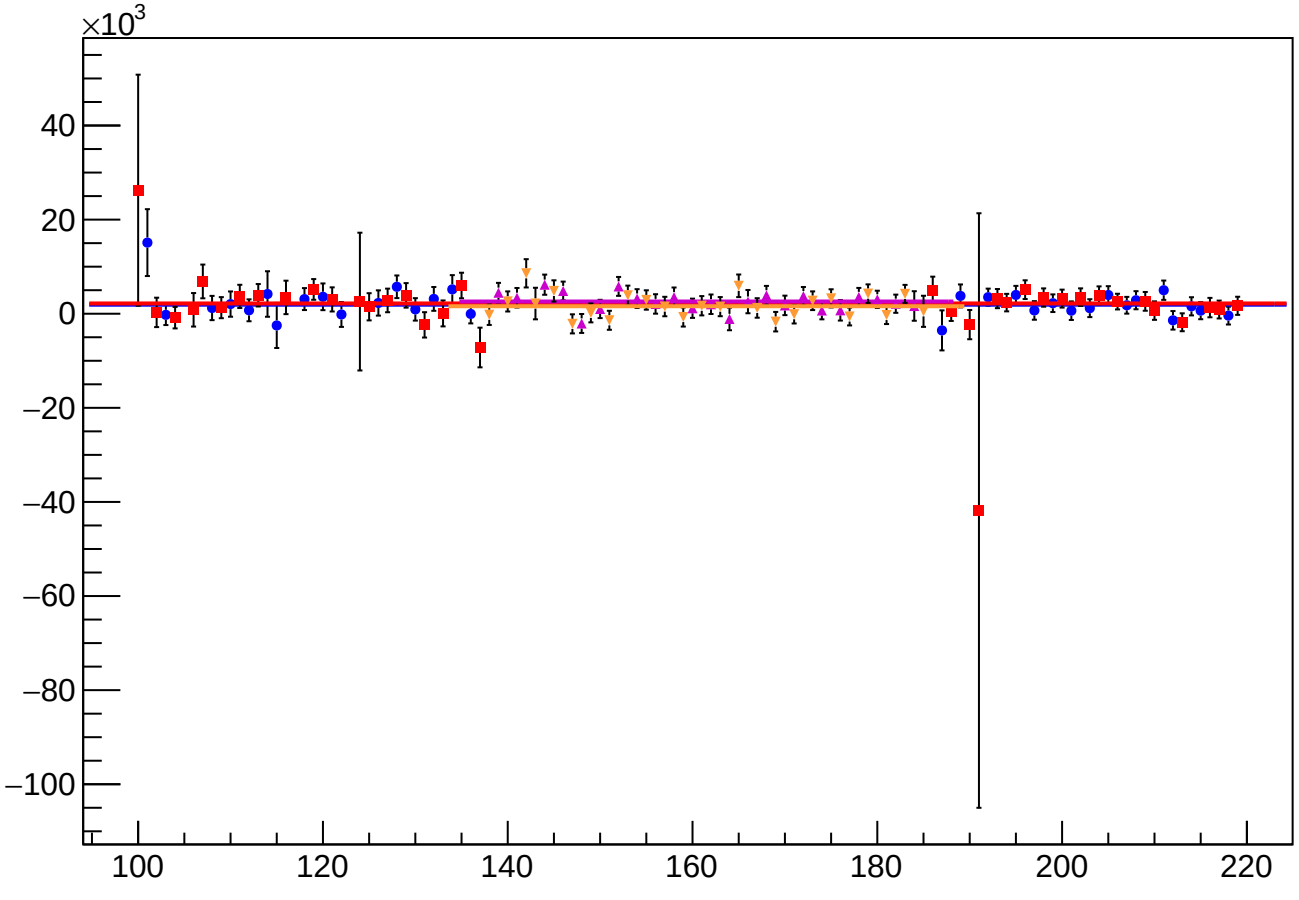
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2791.821+/-0.373 χ^2/NDF: 26511859.7/68

In: 4246.524+/-0.506 χ^2/NDF:5987129.2/54

Out: 2416.337+/-0.352 χ^2/NDF:33548212.3/61

All: 3012.843+/-0.289 χ^2/NDF: 48359207.1/1



Right In: 1917.168+/-397.494 χ^2/NDF: 25.8/31

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2182.995+/-388.998 χ^2/NDF: 33.4/36

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

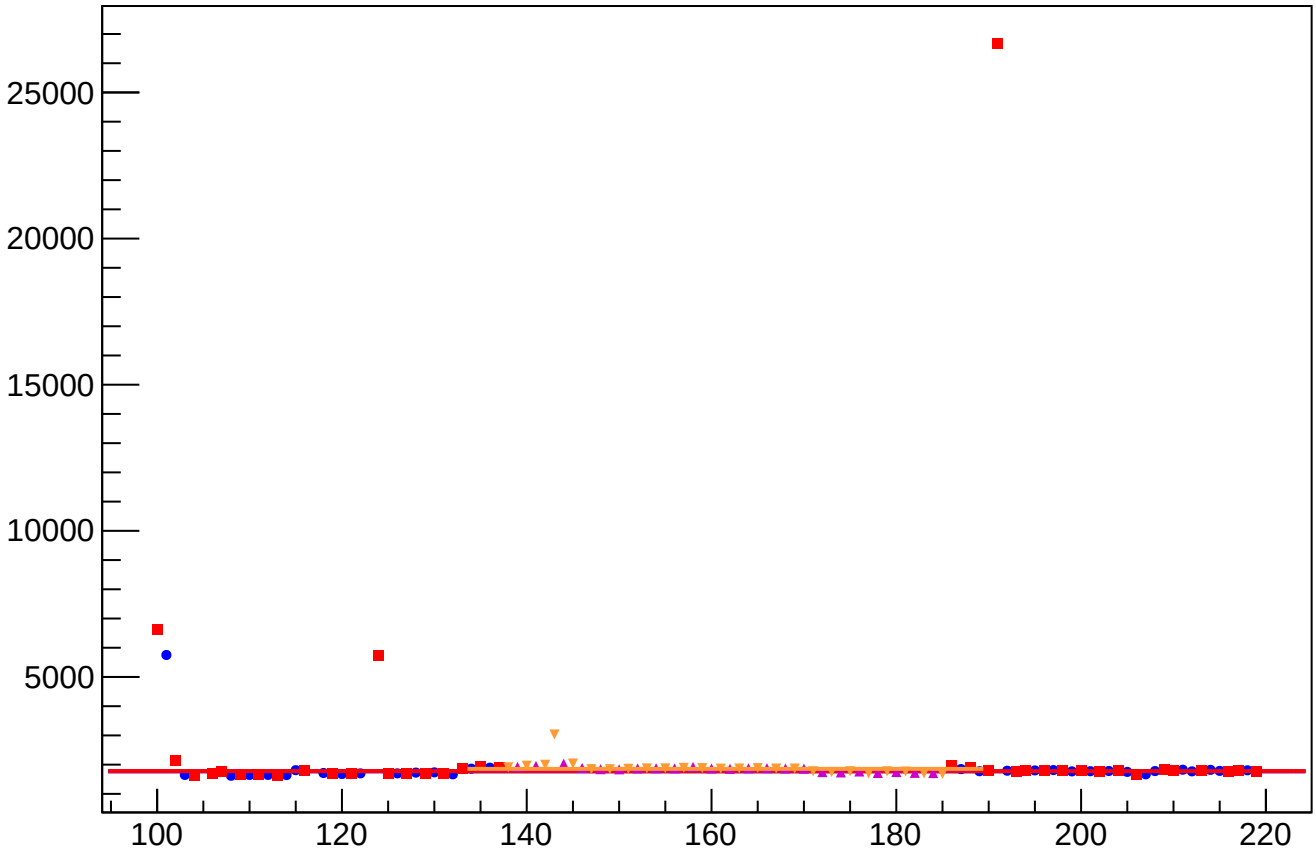
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2052.953+/-278.018 χ^2/NDF: 59.5/68

In: 2230.563+/-291.978 χ^2/NDF:47.3/54

Out: 1912.606+/-286.423 χ^2/NDF:65.8/61

All: 2068.531+/-204.467 χ^2/NDF: 113.6/116



Right In: 1770.630+/-0.281 χ^2/NDF: 685330.6/31

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.142+/-0.275 χ^2/NDF: 640840.1/36

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

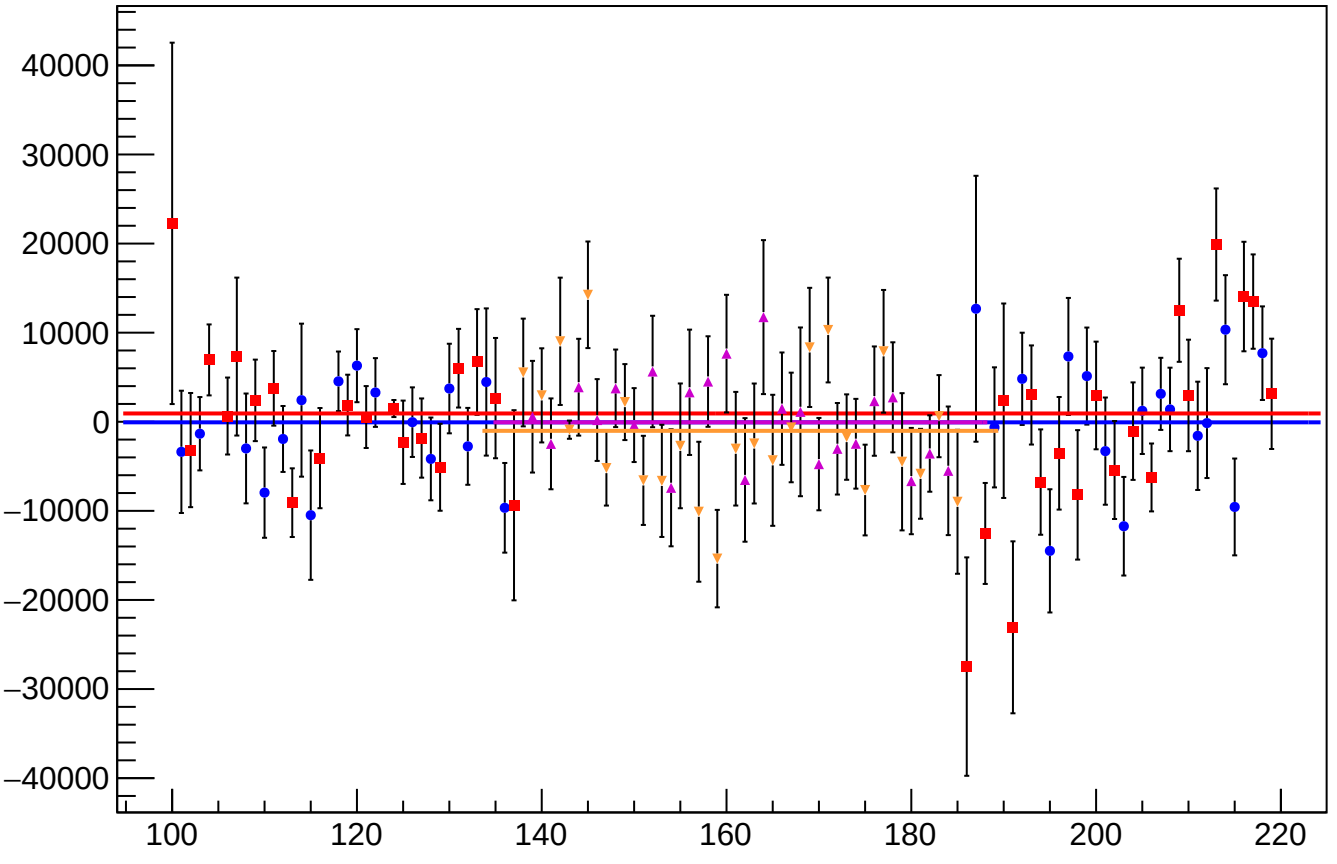
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1774.472+/-0.196 χ^2/NDF: 1326536.0/68

In: 1803.022+/-0.206 χ^2/NDF:785162.5/54

Out: 1813.537+/-0.202 χ^2/NDF:1001421.0/61

All: 1808.384+/-0.145 χ^2/NDF: 1787906.1/11



Right In: -63.746+/-902.486 χ^2/NDF: 38.0/31

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 931.604+/-650.600 χ^2/NDF: 68.3/36

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

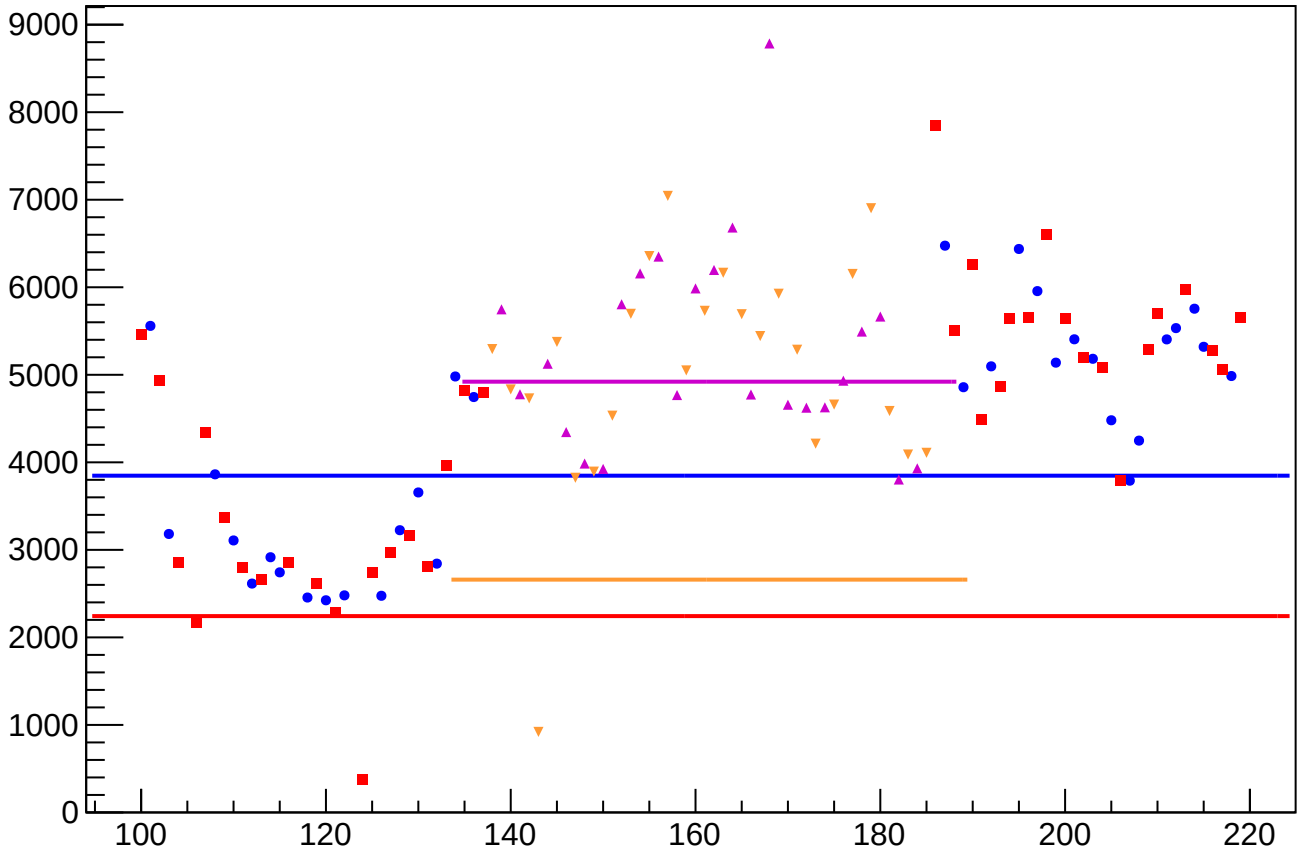
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 591.222+/-527.759 χ^2/NDF: 107.0/68

In: -63.203+/-715.377 χ^2/NDF:51.0/54

Out: 121.430+/-497.440 χ^2/NDF:105.7/61

All: 61.253+/-408.408 χ^2/NDF: 156.8/116



Right In: 3847.373+/-0.638 χ^2/NDF: 3683389.2/31

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2243.258+/-0.460 χ^2/NDF: 18670664.6/36

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

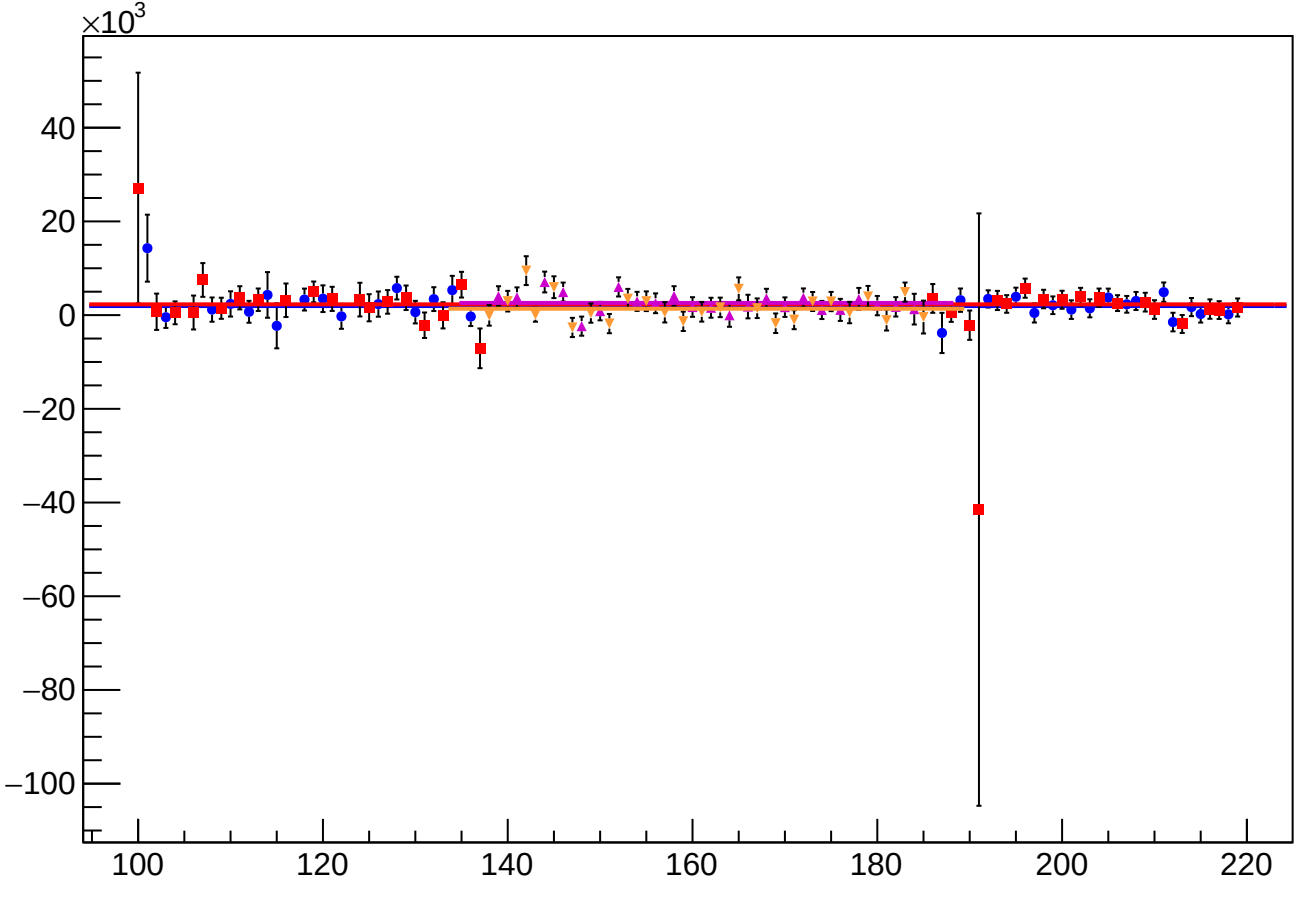
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2791.821+/-0.373 χ^2/NDF: 26511859.7/68

In: 4246.524+/-0.506 χ^2/NDF:5987129.2/54

Out: 2416.337+/-0.352 χ^2/NDF:33548212.3/61

All: 3012.843+/-0.289 χ^2/NDF: 48359207.1/1



Right In: 1936.382+/-401.368 χ^2/NDF: 25.0/31

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2298.350+/-391.727 χ^2/NDF: 31.9/36

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

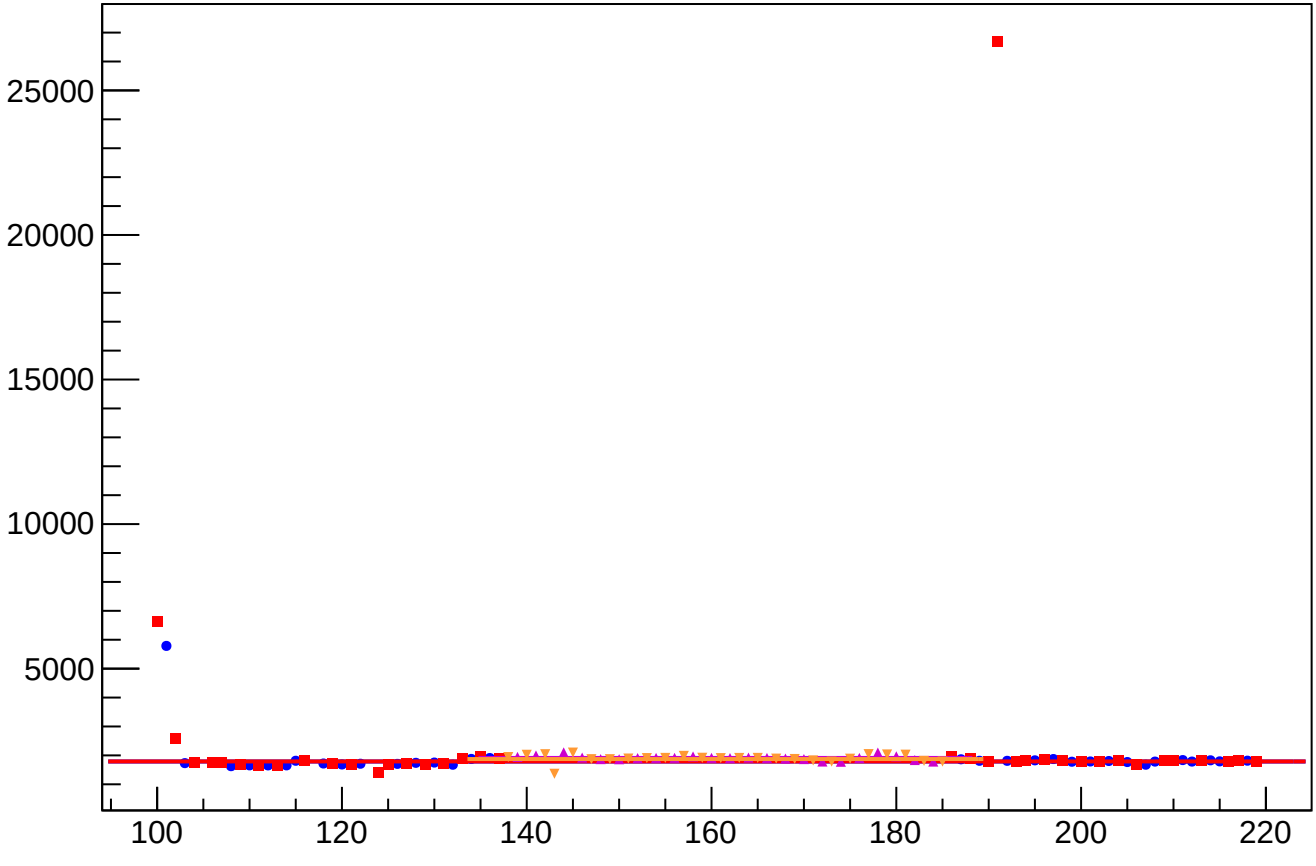
Right: 2121.766+/-280.339 χ^2/NDF: 57.3/68

In: 2234.055+/-298.567 χ^2/NDF:46.2/54

Out: 1871.665+/-288.761 χ^2/NDF:70.6/61

All: 2046.811+/-207.565 χ^2/NDF: 117.6/116

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1787.725+/-0.284 χ^2/NDF: 685213.7/31

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1790.950+/-0.277 χ^2/NDF: 563870.9/36

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

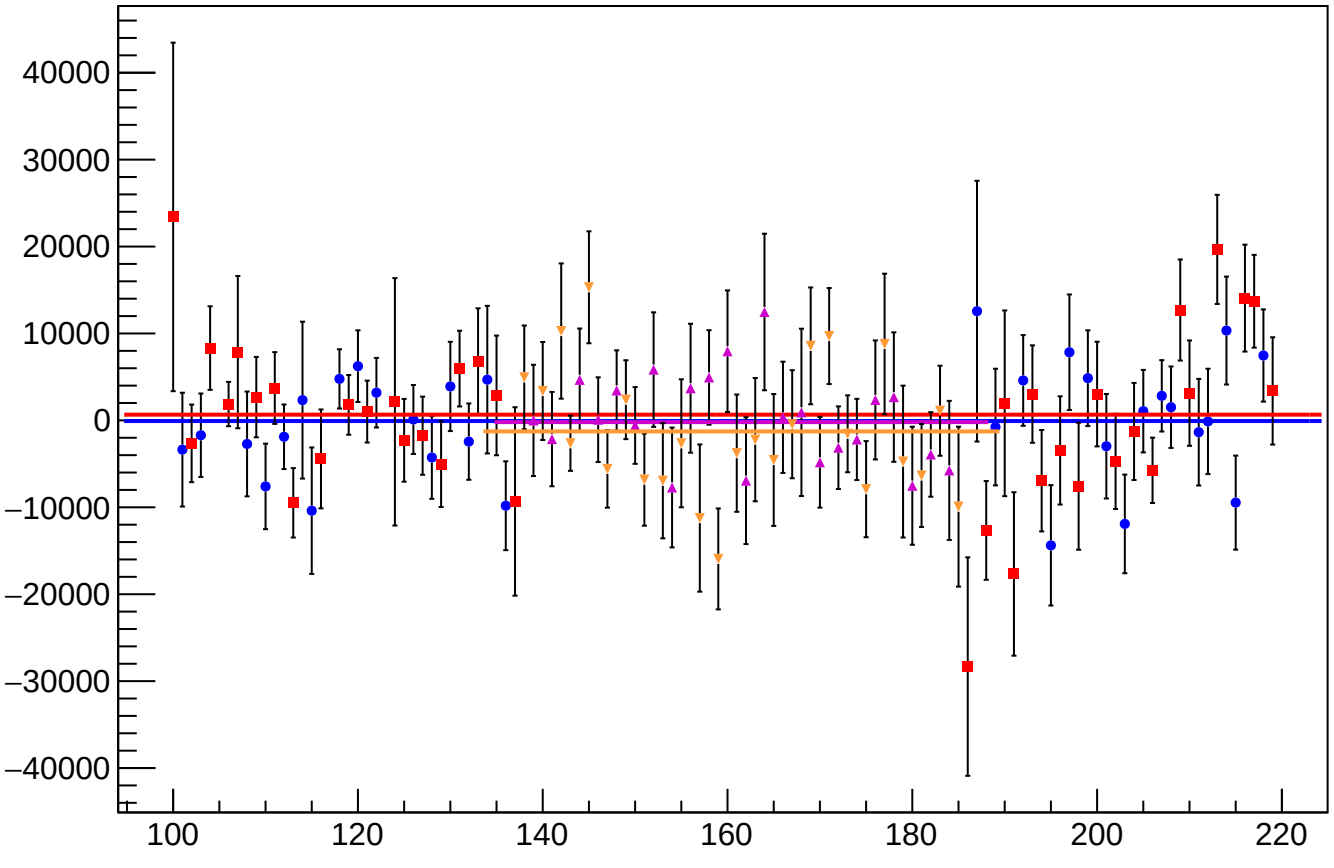
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1789.378+/-0.198 χ^2/NDF: 1249150.8/68

In: 1842.975+/-0.211 χ^2/NDF:829202.4/54

Out: 1828.457+/-0.204 χ^2/NDF:913877.8/61

All: 1835.470+/-0.147 χ^2/NDF: 1745524.6/11



Right In: -76.571+/-915.321 χ^2/NDF: 37.0/31

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 658.539+/-853.947 χ^2/NDF: 65.8/36

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

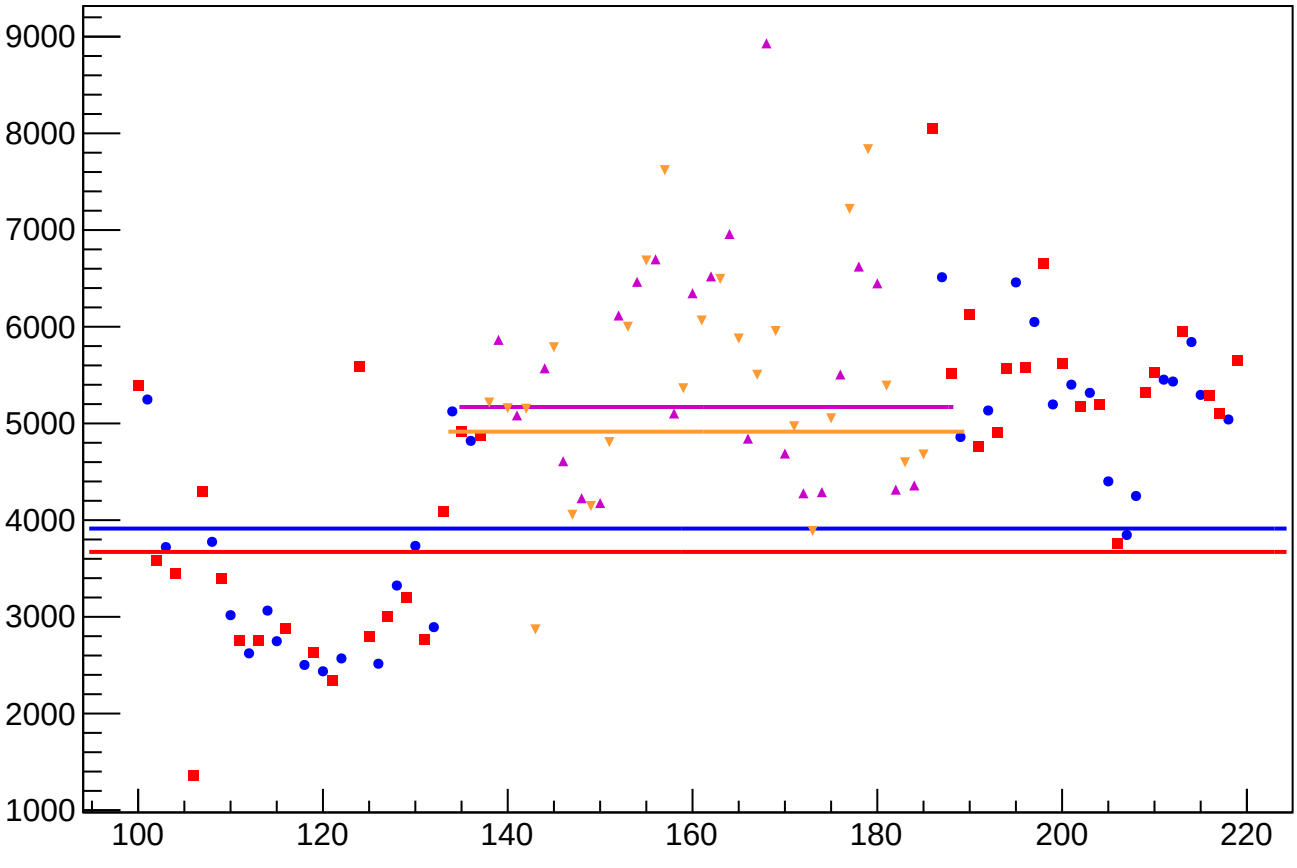
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: 316.454+/-624.402 χ^2/NDF: 103.1/68

In: -119.260+/-735.271 χ^2/NDF:49.8/54

Out: -22.127+/-686.890 χ^2/NDF:101.0/61

All: -67.393+/-501.937 χ^2/NDF: 150.7/116



Right In: 3912.872+/-0.647 χ^2/NDF: 3518741.7/31

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3671.374+/-0.604 χ^2/NDF: 5763773.5/36

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

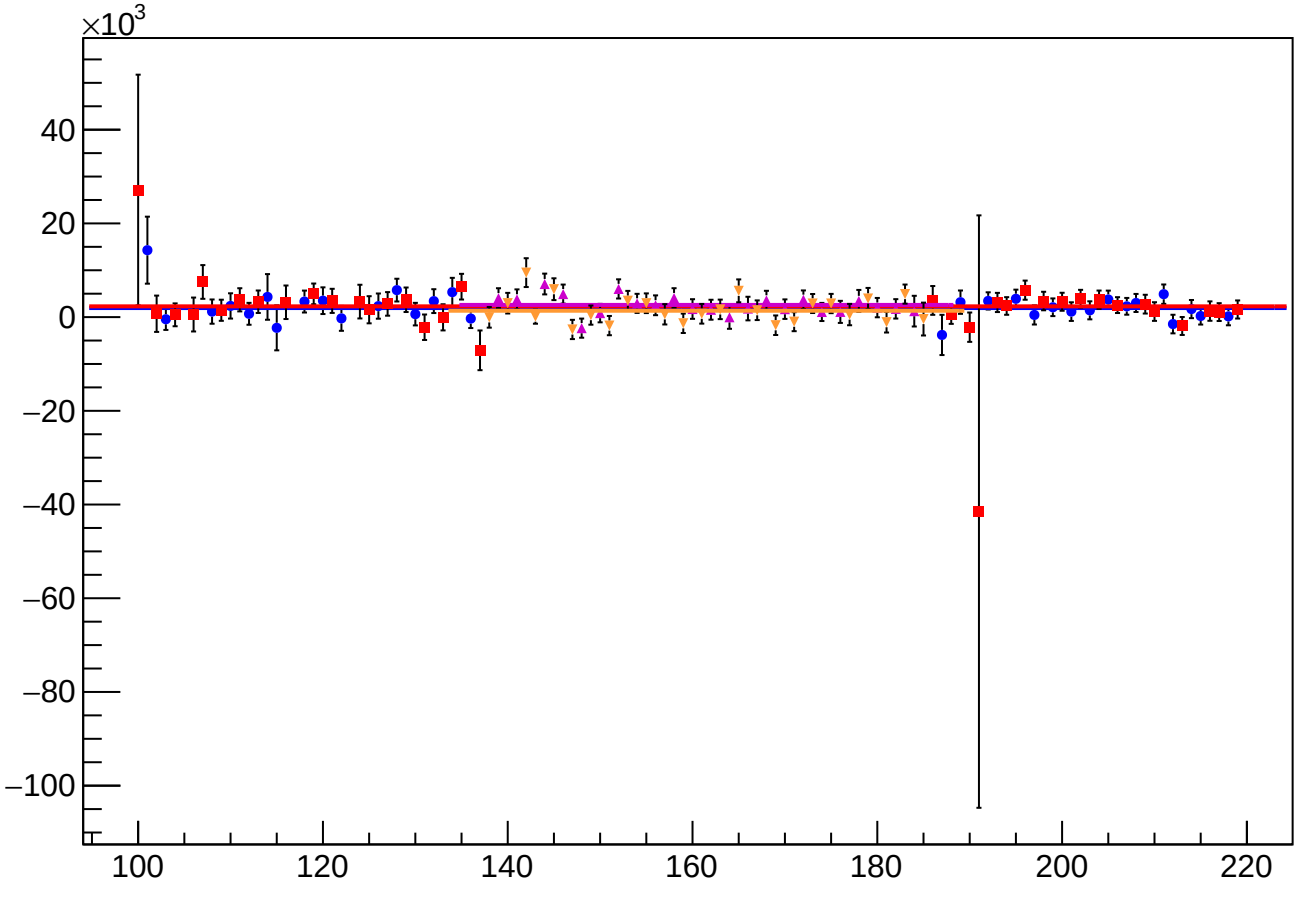
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3783.756+/-0.442 χ^2/NDF: 9356950.3/68

In: 4358.811+/-0.520 χ^2/NDF:6205733.3/54

Out: 4110.445+/-0.486 χ^2/NDF:9427886.1/61

All: 4226.188+/-0.355 χ^2/NDF: 15755474.6/1



Right In: 1936.384+/-401.368 χ^2/NDF: 25.0/31

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2298.346+/-391.727 χ^2/NDF: 31.9/36

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

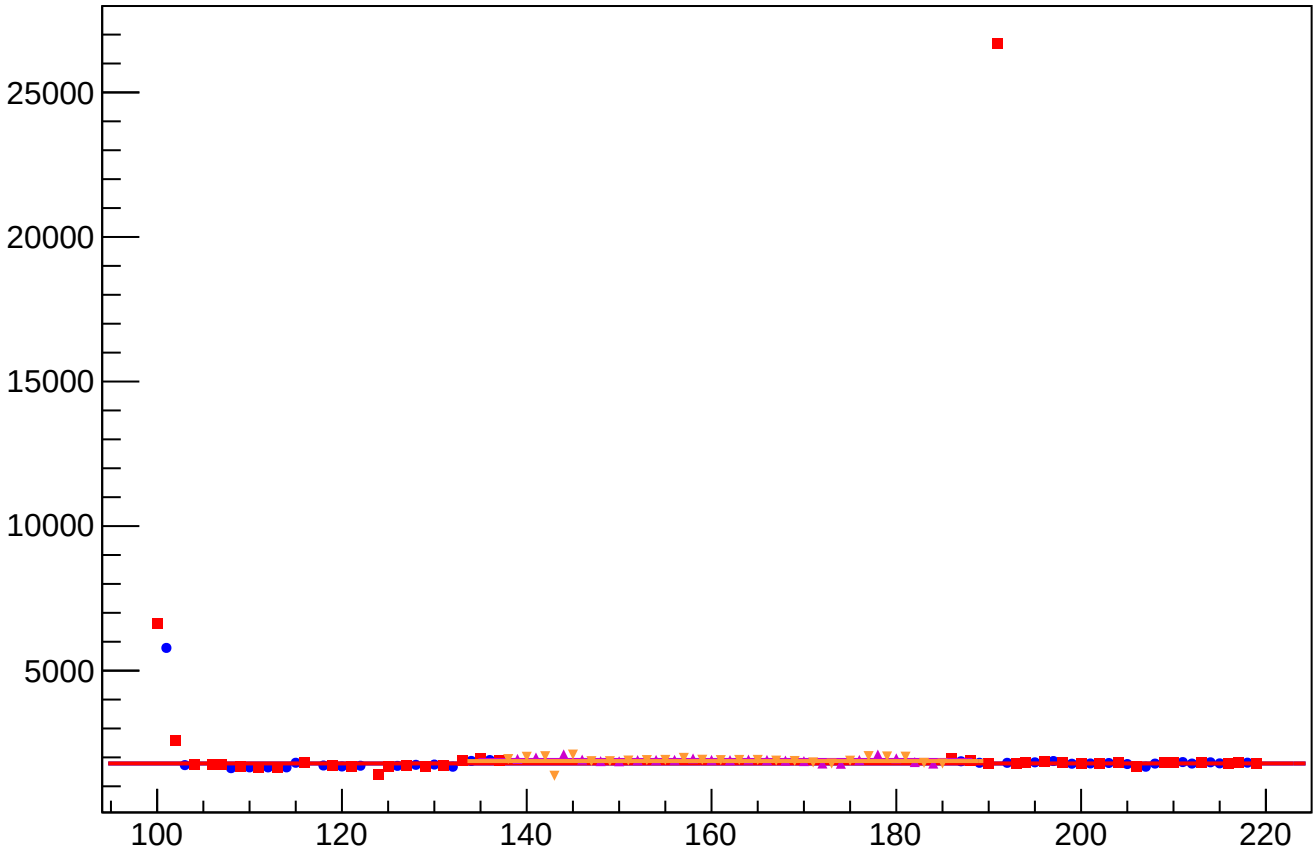
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2121.765+/-280.339 χ^2/NDF: 57.3/68

In: 2234.056+/-298.567 χ^2/NDF:46.2/54

Out: 1871.661+/-288.761 χ^2/NDF:70.6/61

All: 2046.810+/-207.565 χ^2/NDF: 117.6/116



Right In: 1787.725+/-0.284 χ^2/NDF: 685213.8/31

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1790.950+/-0.277 χ^2/NDF: 563870.9/36

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

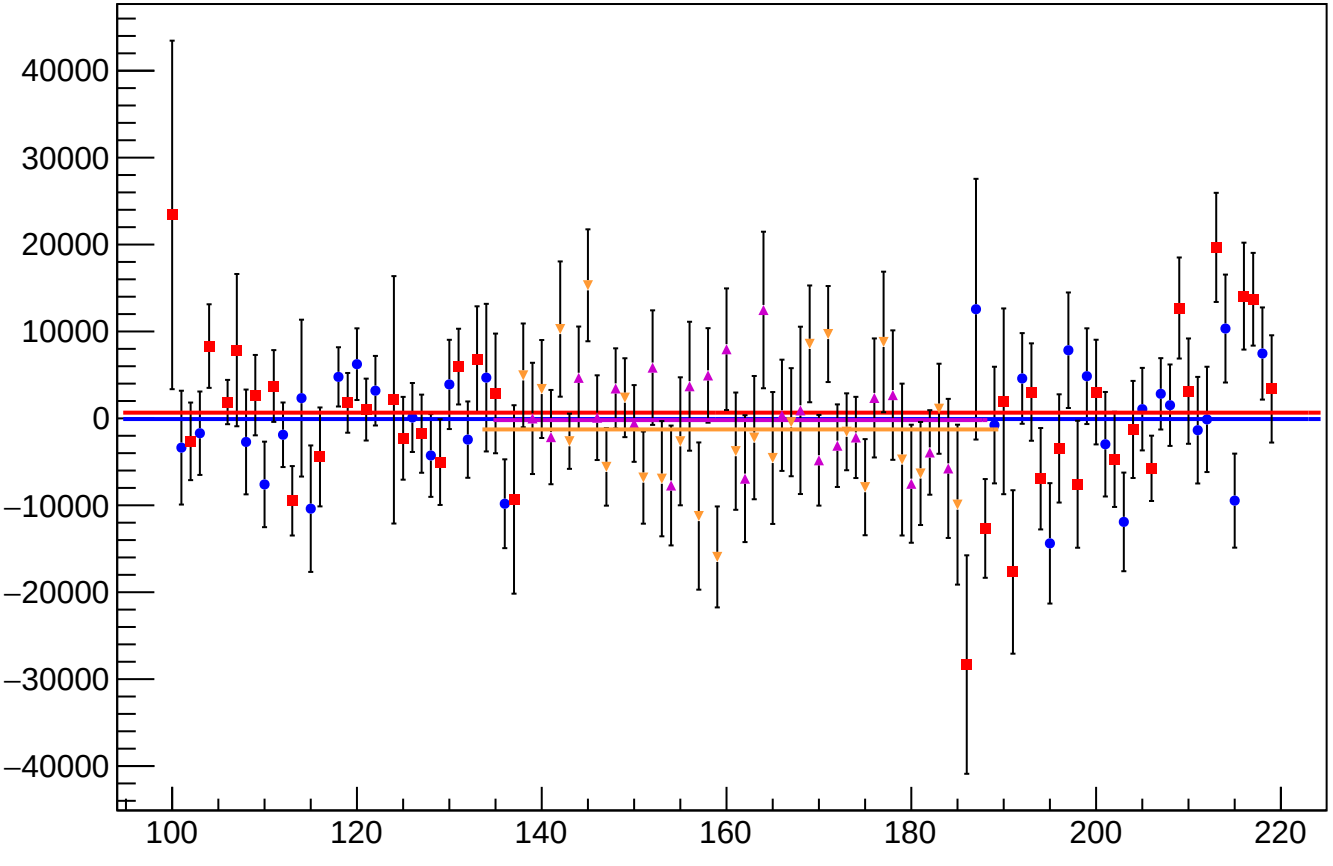
Right: 1789.378+/-0.198 χ^2/NDF: 1249150.9/68

In: 1842.976+/-0.211 χ^2/NDF:829206.1/54

Out: 1828.458+/-0.204 χ^2/NDF:913882.4/61

All: 1835.471+/-0.147 χ^2/NDF: 1745533.1/11

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -76.567+/-915.320 χ^2/NDF: 37.0/31

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 658.540+/-853.945 χ^2/NDF: 65.8/36

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

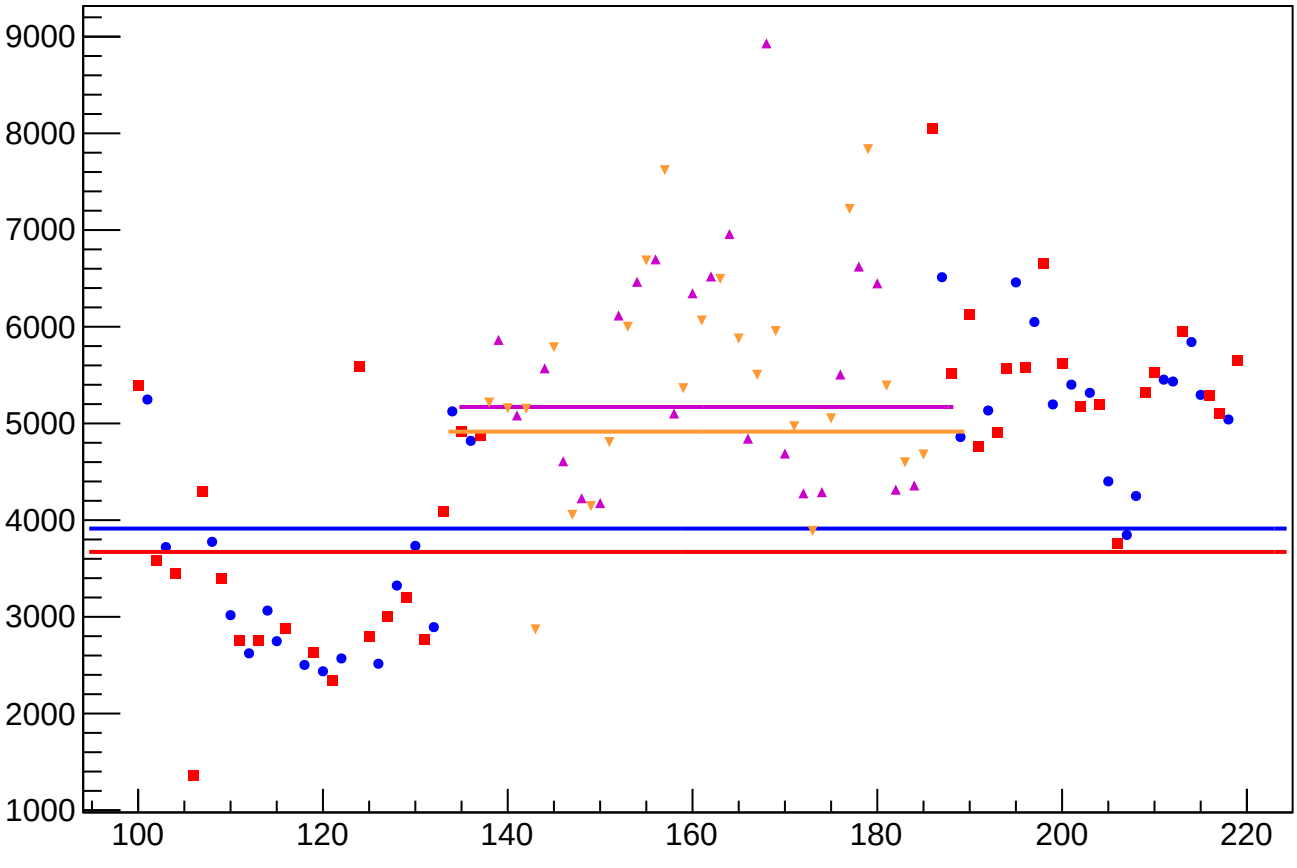
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: 316.456+/-624.401 χ^2/NDF: 103.1/68

In: -119.258+/-735.271 χ^2/NDF:49.8/54

Out: -22.125+/-686.889 χ^2/NDF:101.0/61

All: -67.391+/-501.937 χ^2/NDF: 150.7/116



Right In: 3912.866+/-0.647 χ^2/NDF: 3518801.1/31

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3671.363+/-0.604 χ^2/NDF: 5763859.3/36

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

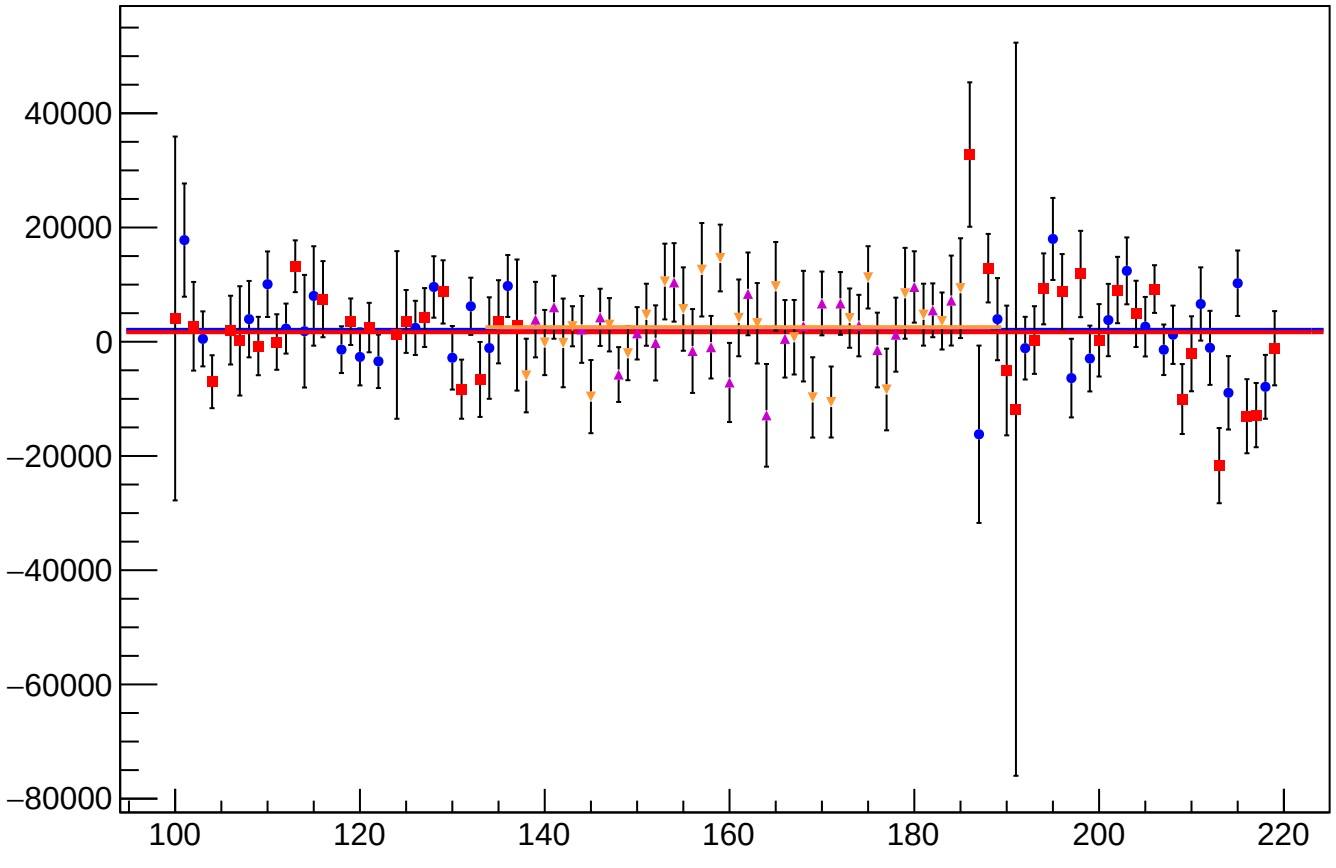
Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

Right: 3783.747+/-0.442 χ^2/NDF: 9357098.6/68

In: 4358.808+/-0.520 χ^2/NDF:6205822.2/54

Out: 4110.438+/-0.486 χ^2/NDF:9428020.1/61

All: 4226.183+/-0.355 χ^2/NDF: 15755701.5/1



Right In: 2081.586+/-1016.620 χ^2/NDF: 35.4/31

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 1670.241+/-1003.498 χ^2/NDF: 67.0/36

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

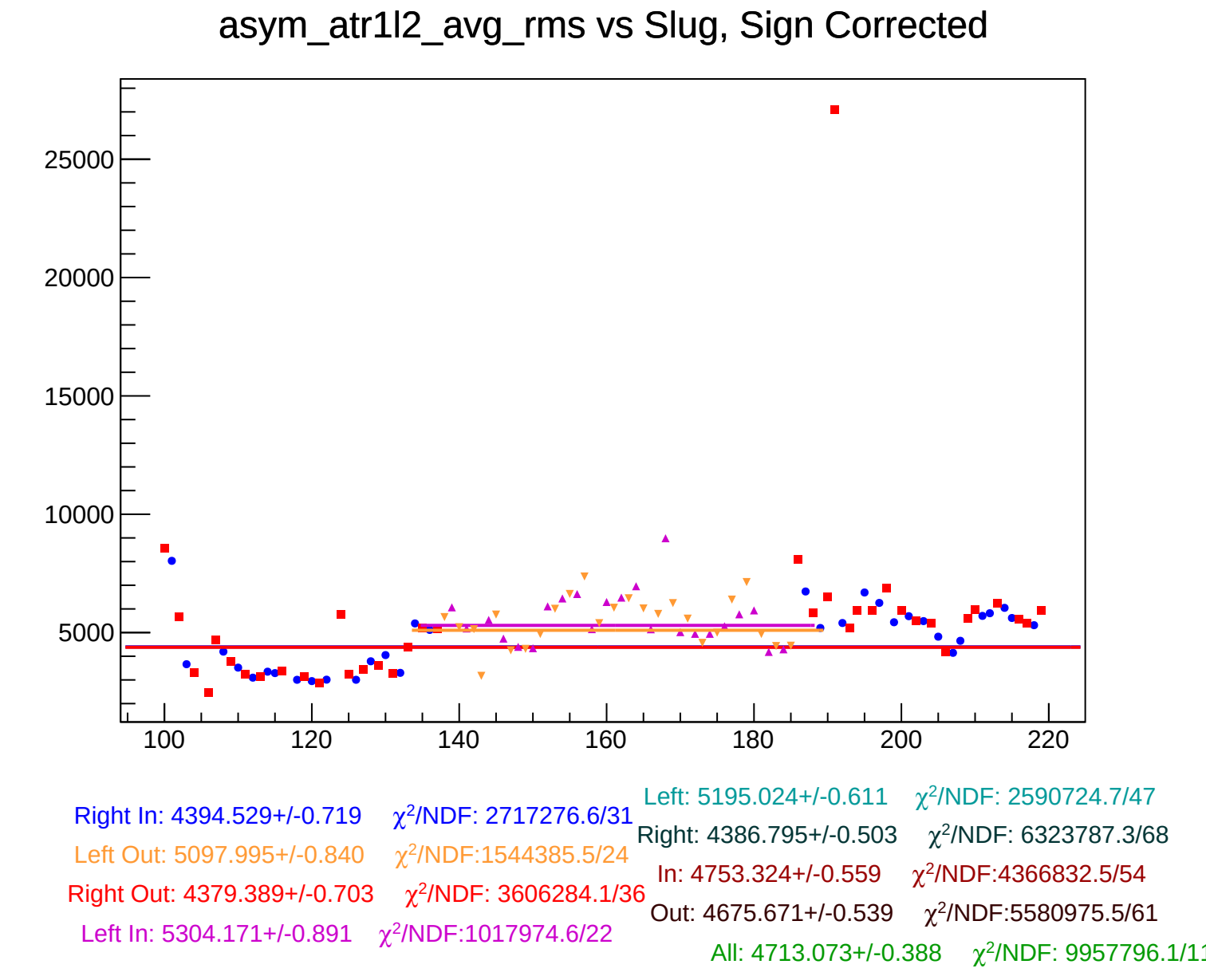
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

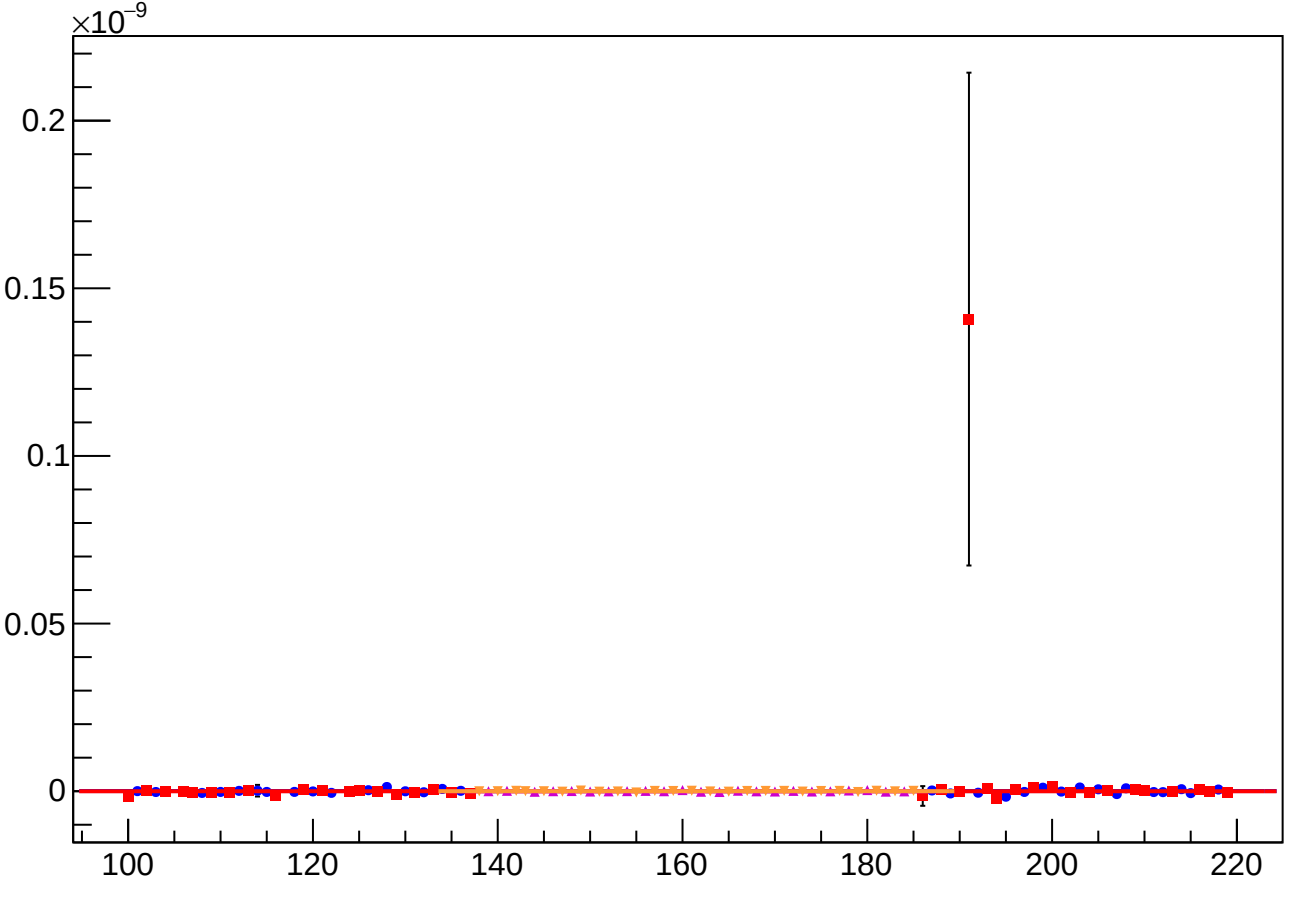
Right: 1873.242+/-714.174 χ^2/NDF: 102.4/68

In: 2216.258+/-791.114 χ^2/NDF:50.4/54

Out: 2035.474+/-766.518 χ^2/NDF:96.4/61

All: 2123.012+/-550.500 χ^2/NDF: 146.8/116


asym_atr1l2_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 4394.529+/-0.719 χ²/NDF: 2717276.6/31
Left Out: 5097.995+/-0.840 χ²/NDF:1544385.5/24
Right Out: 4379.389+/-0.703 χ²/NDF: 3606284.1/36
Left In: 5304.171+/-0.891 χ²/NDF:1017974.6/22
Left: 5195.024+/-0.611 χ²/NDF: 2590724.7/47
Right: 4386.795+/-0.503 χ²/NDF: 6323787.3/68
In: 4753.324+/-0.559 χ²/NDF:4366832.5/54
Out: 4675.671+/-0.539 χ²/NDF:5580975.5/61
All: 4713.073+/-0.388 χ²/NDF: 9957796.1/11



Right In: 0.000+/-0.000 χ^2/NDF: 38.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.0/36

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

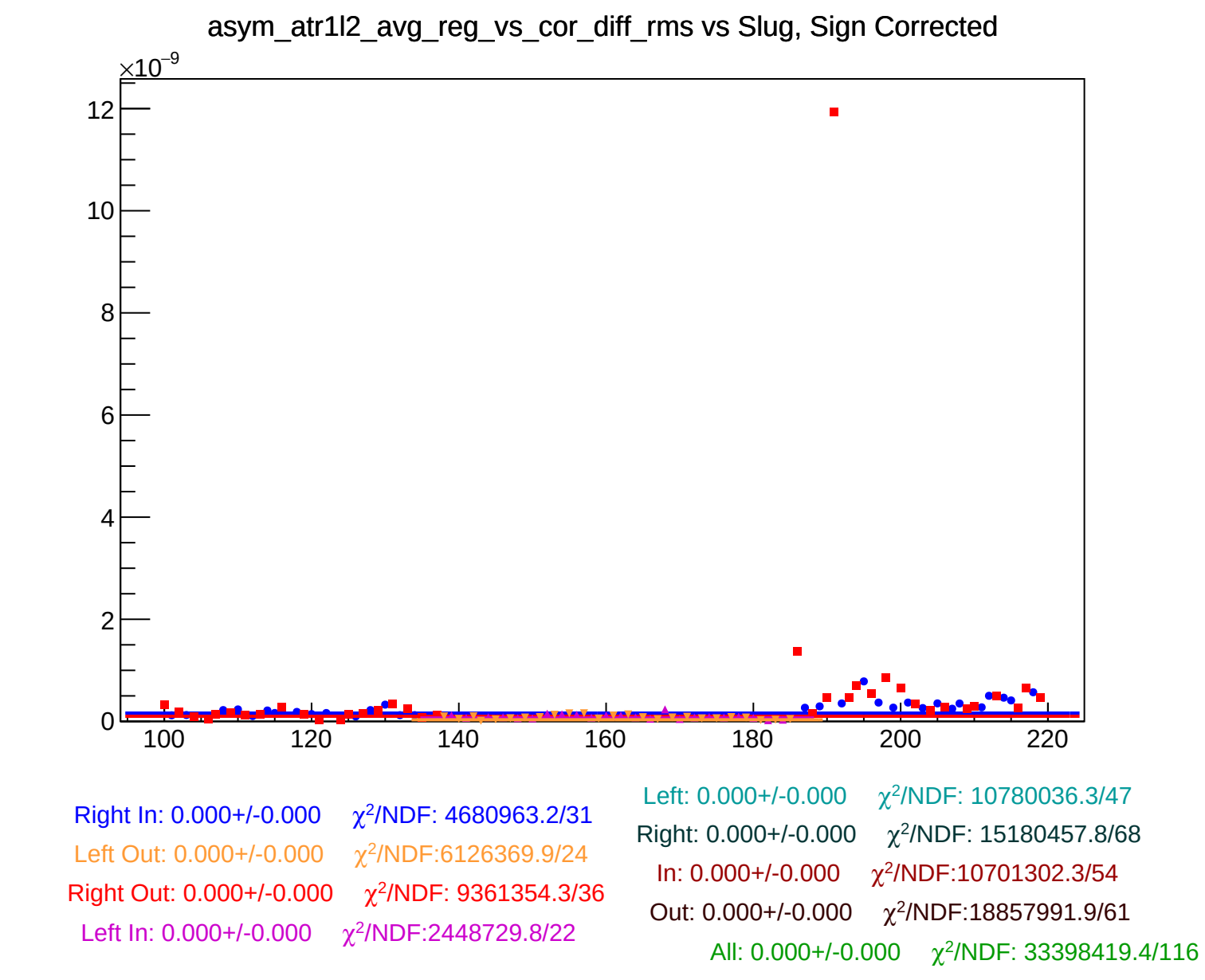
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

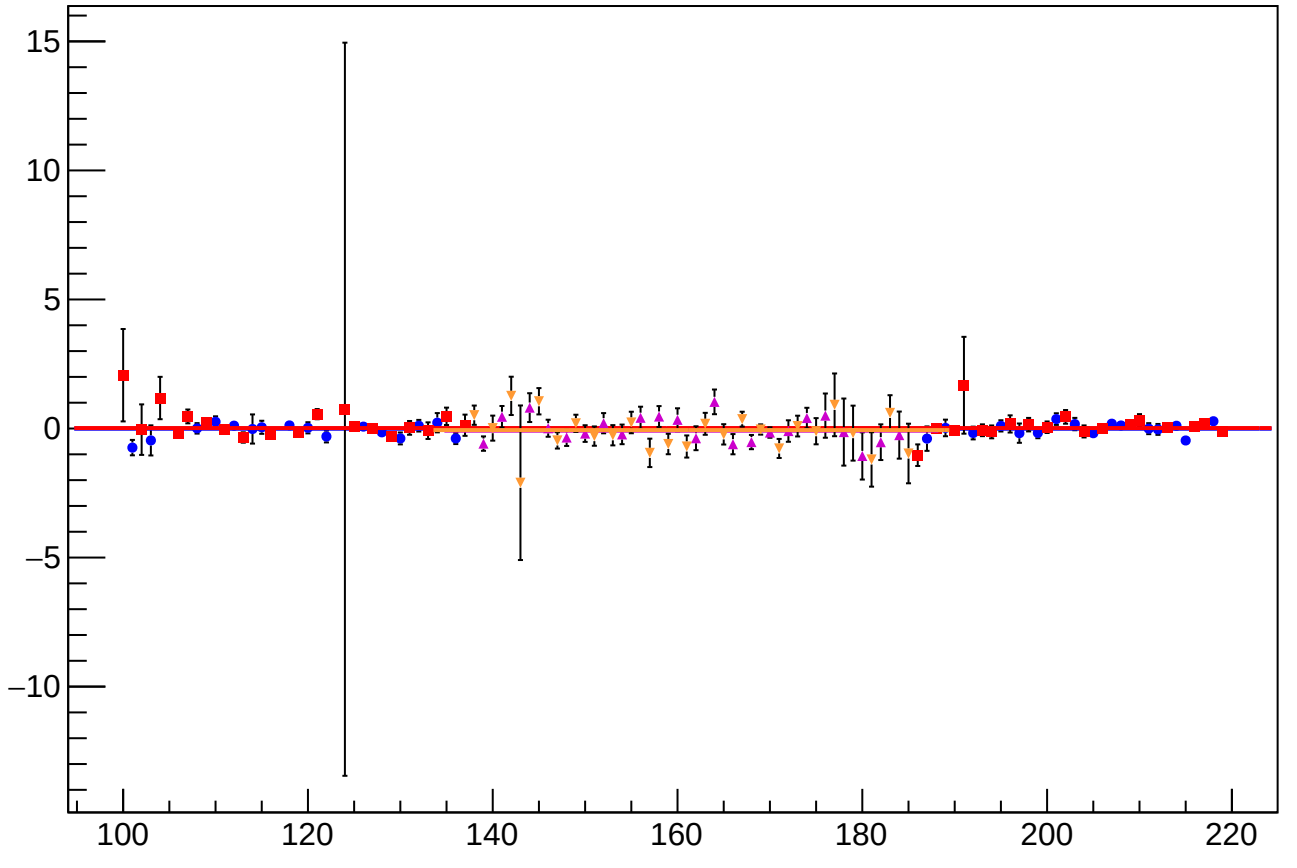
Right: 0.000+/-0.000 χ^2/NDF: 81.2/68

In: 0.000+/-0.000 χ^2/NDF:62.1/54

Out: 0.000+/-0.000 χ^2/NDF:57.3/61

All: 0.000+/-0.000 χ^2/NDF: 119.4/116


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: 4680963.2/31
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 9361354.3/36
Left In: 0.000+/-0.000 χ²/NDF:2448729.8/22
Left: 0.000+/-0.000 χ²/NDF: 10780036.3/47
Right: 0.000+/-0.000 χ²/NDF: 15180457.8/68
In: 0.000+/-0.000 χ²/NDF:10701302.3/54
Out: 0.000+/-0.000 χ²/NDF:18857991.9/61
All: 0.000+/-0.000 χ²/NDF: 33398419.4/116



Right In: -0.008+/-0.036 χ^2/NDF: 42.2/31

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.018+/-0.033 χ^2/NDF: 45.6/36

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

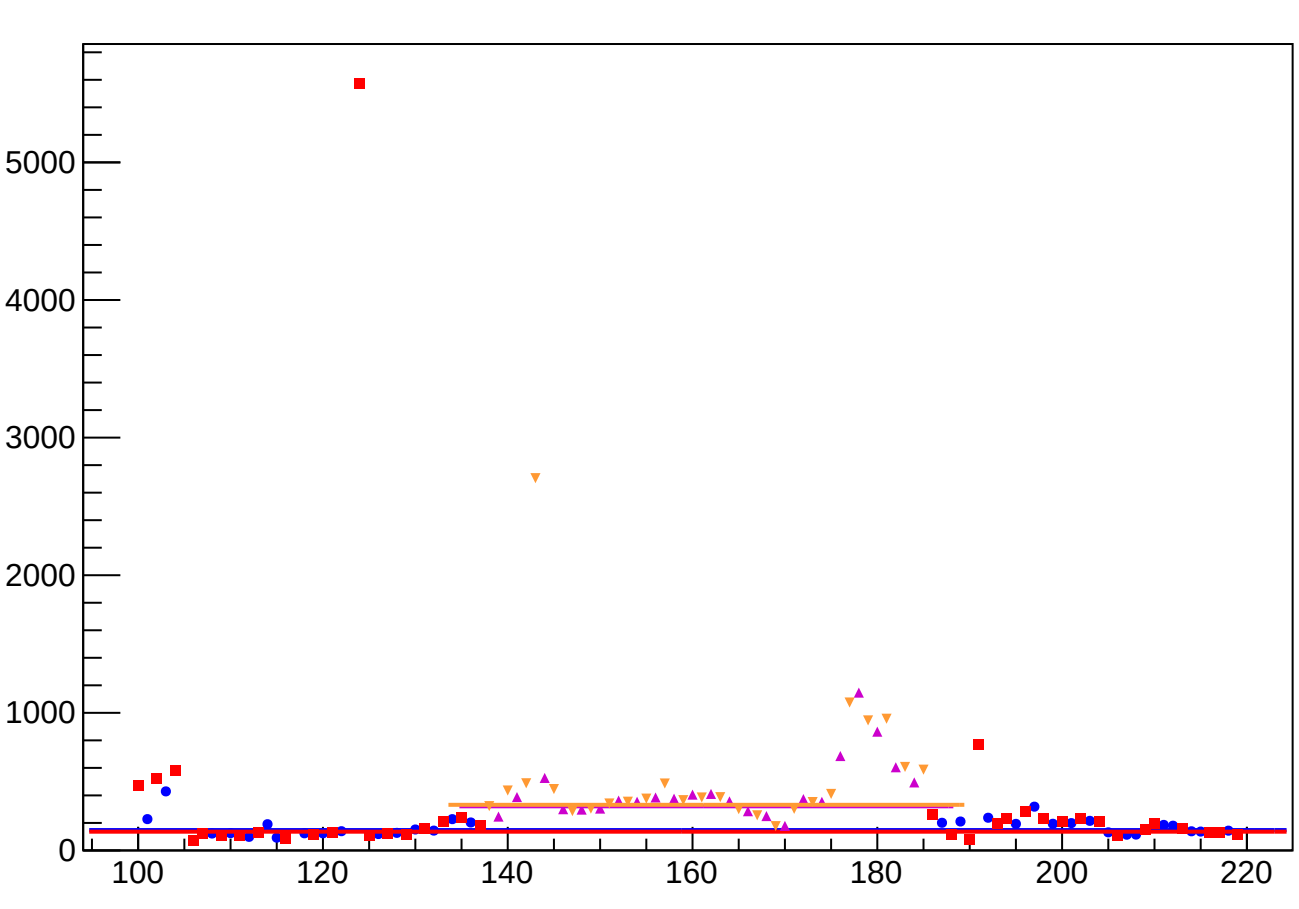
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: 0.006+/-0.024 χ^2/NDF: 88.0/68

In: -0.020+/-0.033 χ^2/NDF:69.9/54

Out: 0.007+/-0.031 χ^2/NDF:77.1/61

All: -0.006+/-0.022 χ^2/NDF: 147.4/116



Right In: 148.241+/-0.025 χ^2/NDF: 2971775.3/31

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 136.390+/-0.023 χ^2/NDF: 5143838.1/36

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

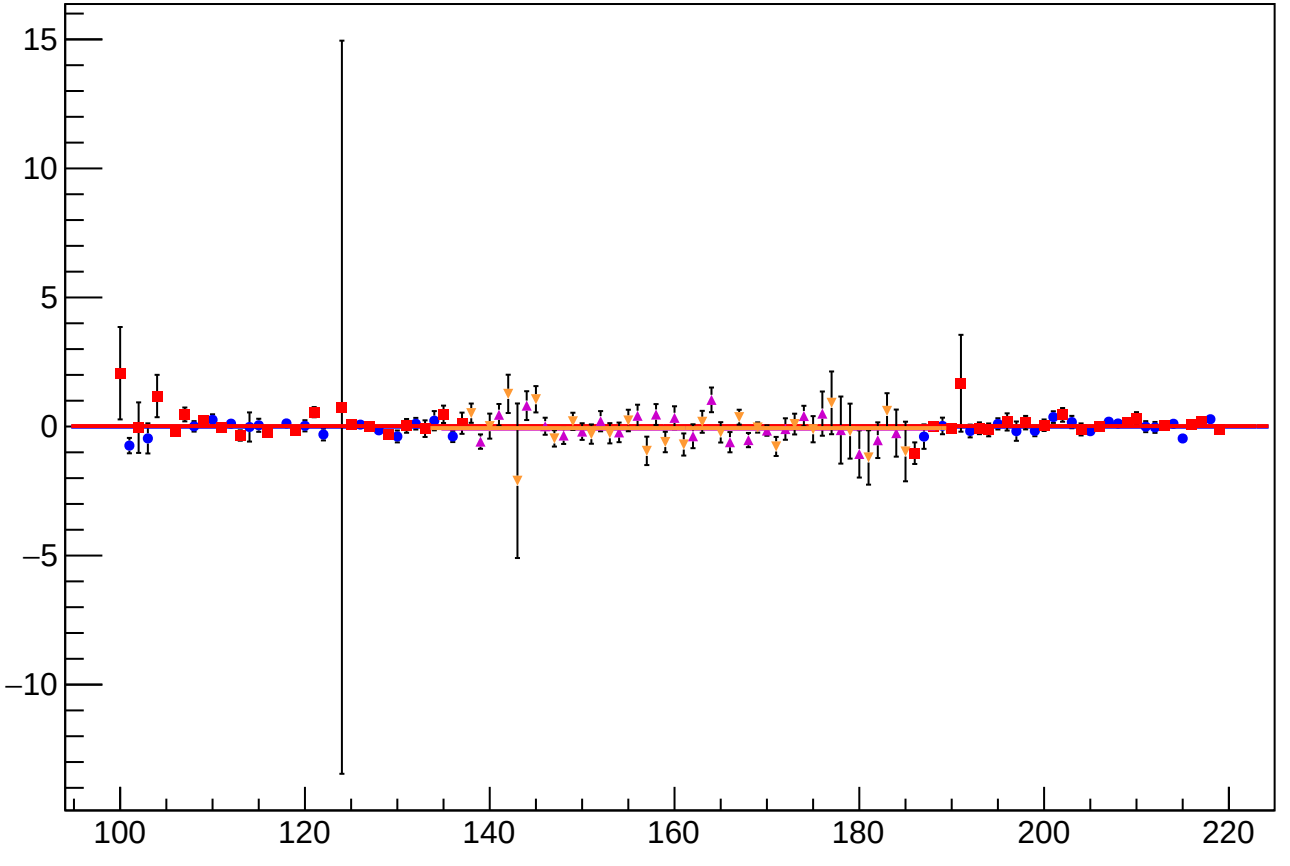
Right: 141.849+/-0.017 χ^2/NDF: 8232938.2/68

In: 176.525+/-0.023 χ^2/NDF:14776493.2/54

Out: 162.951+/-0.022 χ^2/NDF:20387597.7/61

All: 169.314+/-0.016 χ^2/NDF: 35345398.9/1

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.036 χ^2/NDF: 42.2/31

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.018+/-0.033 χ^2/NDF: 45.6/36

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

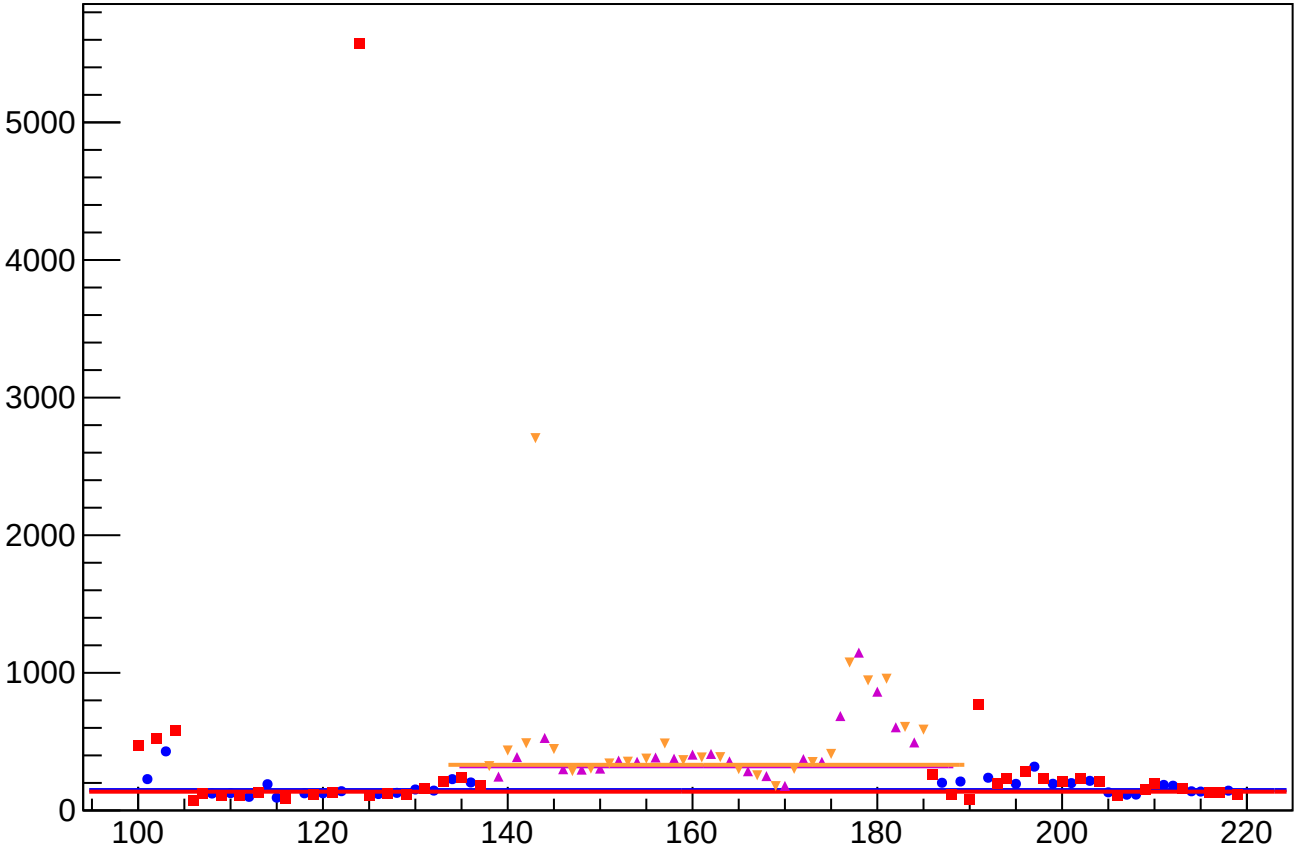
Right: 0.006+/-0.024 χ^2/NDF: 88.0/68

In: -0.020+/-0.033 χ^2/NDF:69.9/54

Out: 0.007+/-0.031 χ^2/NDF:77.1/61

All: -0.006+/-0.022 χ^2/NDF: 147.4/116

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.241+/-0.025 χ^2/NDF: 2971775.3/31

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 136.390+/-0.023 χ^2/NDF: 5143838.1/36

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

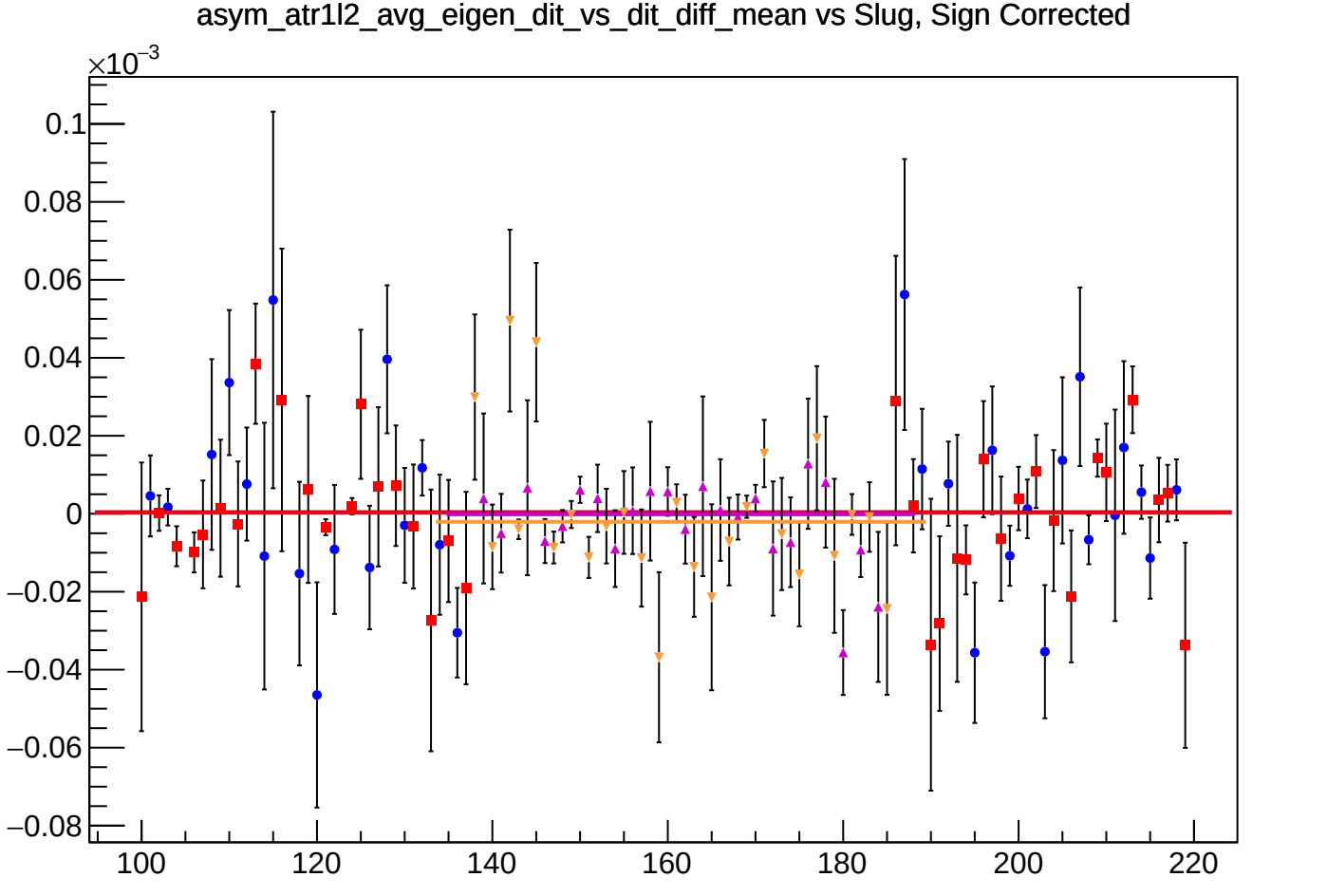
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 141.849+/-0.017 χ^2/NDF: 8232938.2/68

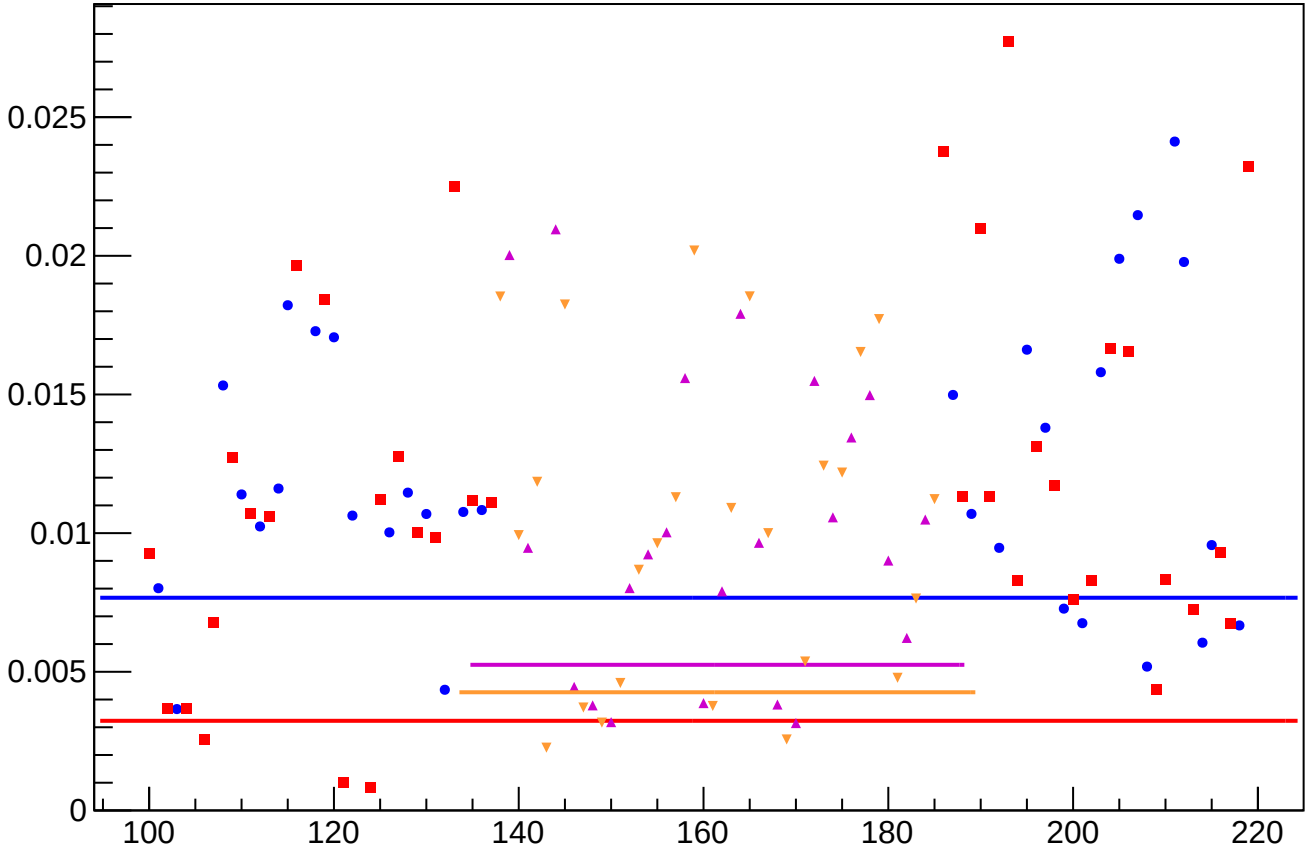
In: 176.525+/-0.023 χ^2/NDF:14776493.2/54

Out: 162.951+/-0.022 χ^2/NDF:20387597.7/61

All: 169.314+/-0.016 χ^2/NDF: 35345398.9/1


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: 45.9/31
Left Out: -0.000+/-0.000 χ²/NDF:34.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 54.2/36
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: 100.1/68
In: 0.000+/-0.000 χ²/NDF:70.8/54
Out: -0.000+/-0.000 χ²/NDF:91.0/61
All: -0.000+/-0.000 χ²/NDF: 162.1/116

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8107677.2/31

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 23011104.6/36

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

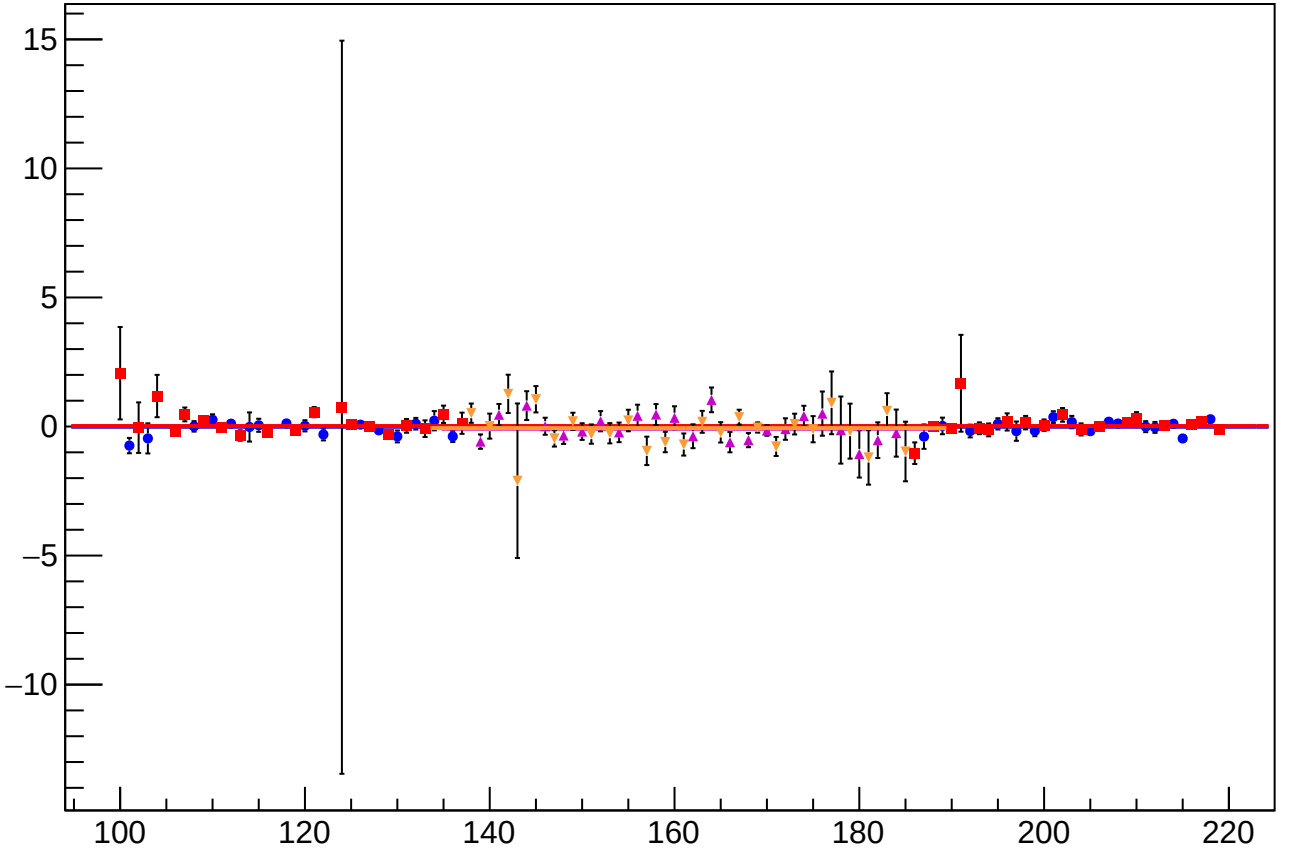
Right: 0.004+/-0.000 χ^2/NDF: 38637902.8/68

In: 0.006+/-0.000 χ^2/NDF:19501562.3/54

Out: 0.004+/-0.000 χ^2/NDF:36732540.3/61

All: 0.004+/-0.000 χ^2/NDF: 61781256.0/116

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.036 χ^2/NDF: 42.2/31

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.018+/-0.033 χ^2/NDF: 45.6/36

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

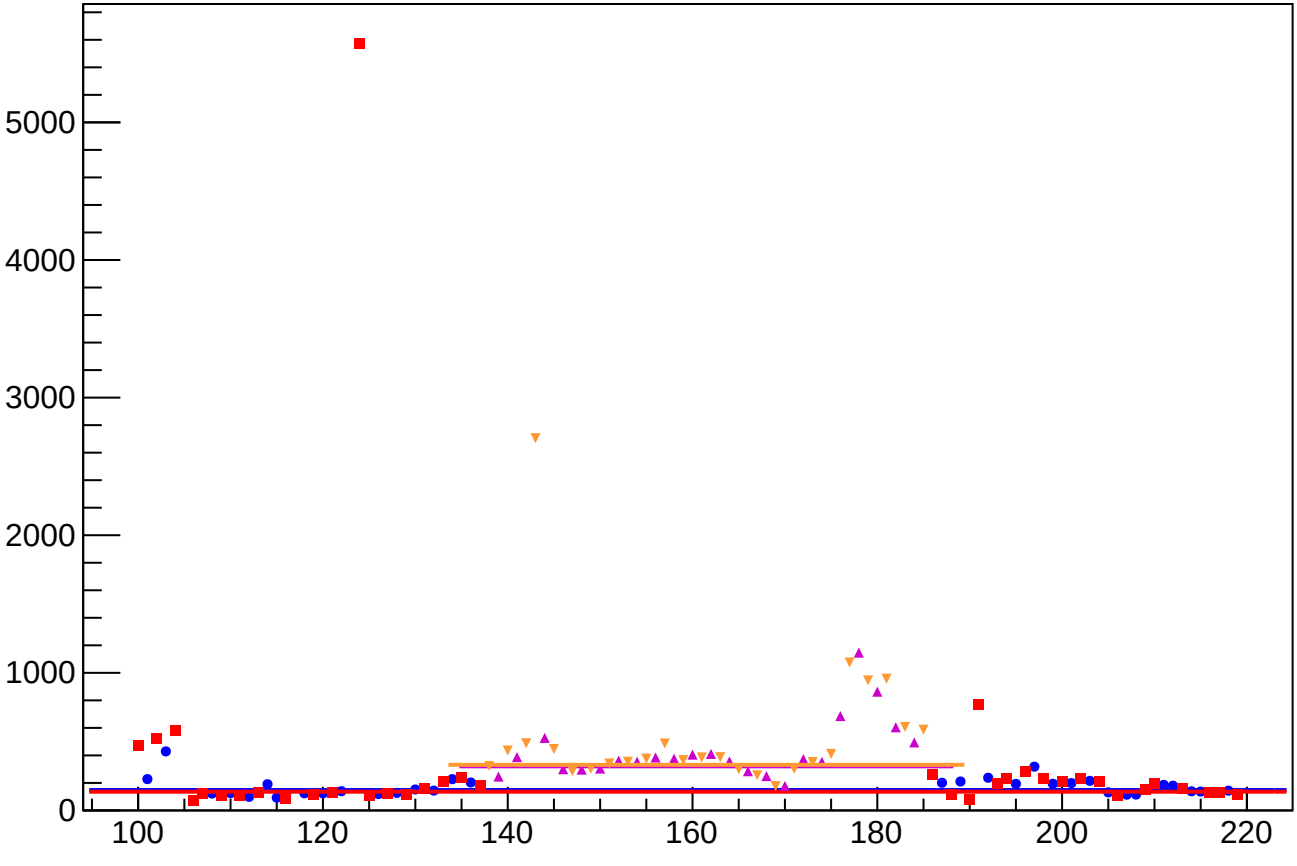
Right: 0.006+/-0.024 χ^2/NDF: 88.0/68

In: -0.020+/-0.033 χ^2/NDF:69.9/54

Out: 0.007+/-0.031 χ^2/NDF:77.1/61

All: -0.006+/-0.022 χ^2/NDF: 147.4/116

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.241+/-0.025 χ^2/NDF: 2971757.0/31

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 136.389+/-0.023 χ^2/NDF: 5143895.4/36

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

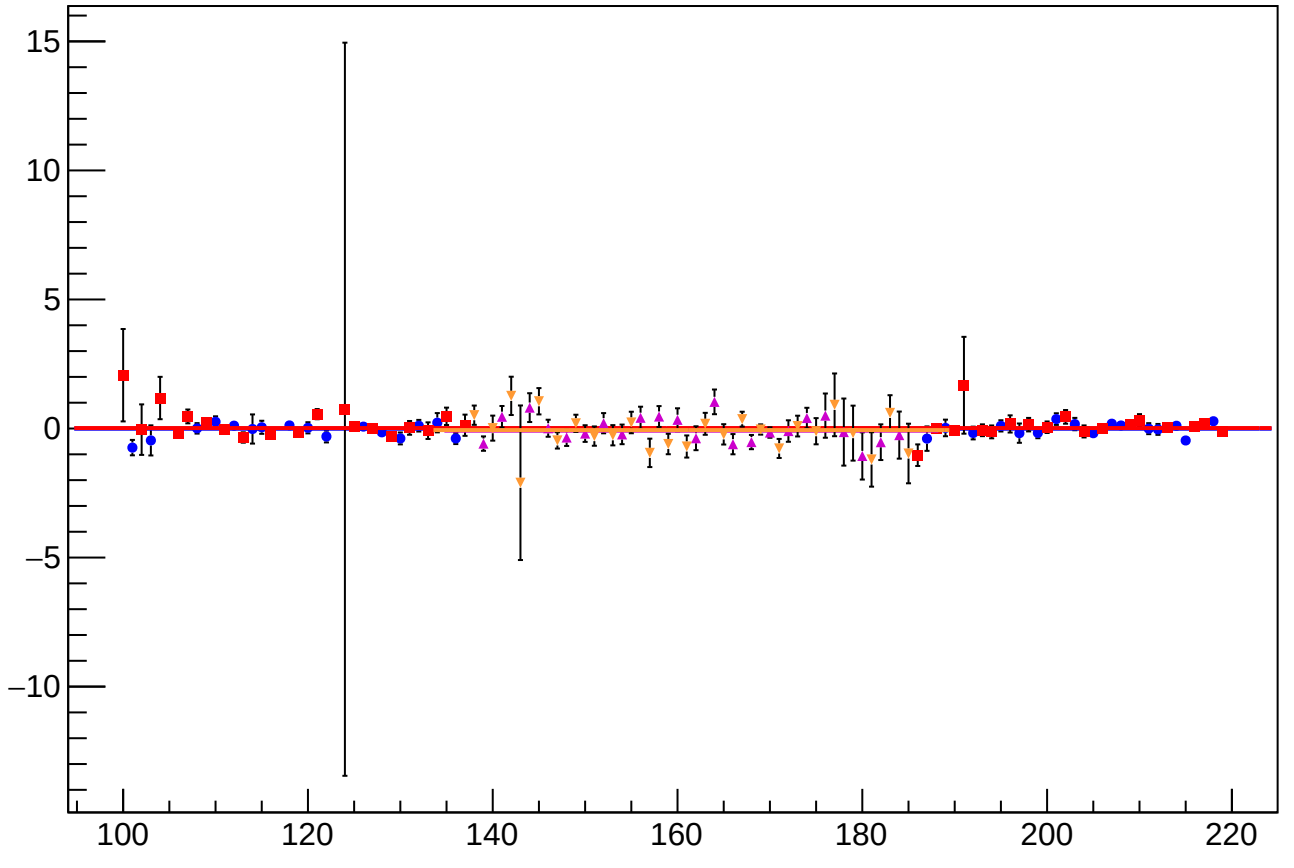
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

Right: 141.848+/-0.017 χ^2/NDF: 8233005.3/68

In: 176.525+/-0.023 χ^2/NDF:14776598.1/54

Out: 162.949+/-0.022 χ^2/NDF:20387933.6/61

All: 169.314+/-0.016 χ^2/NDF: 35345884.1/1



Right In: -0.008+/-0.036 χ^2/NDF: 42.2/31

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.018+/-0.033 χ^2/NDF: 45.6/36

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

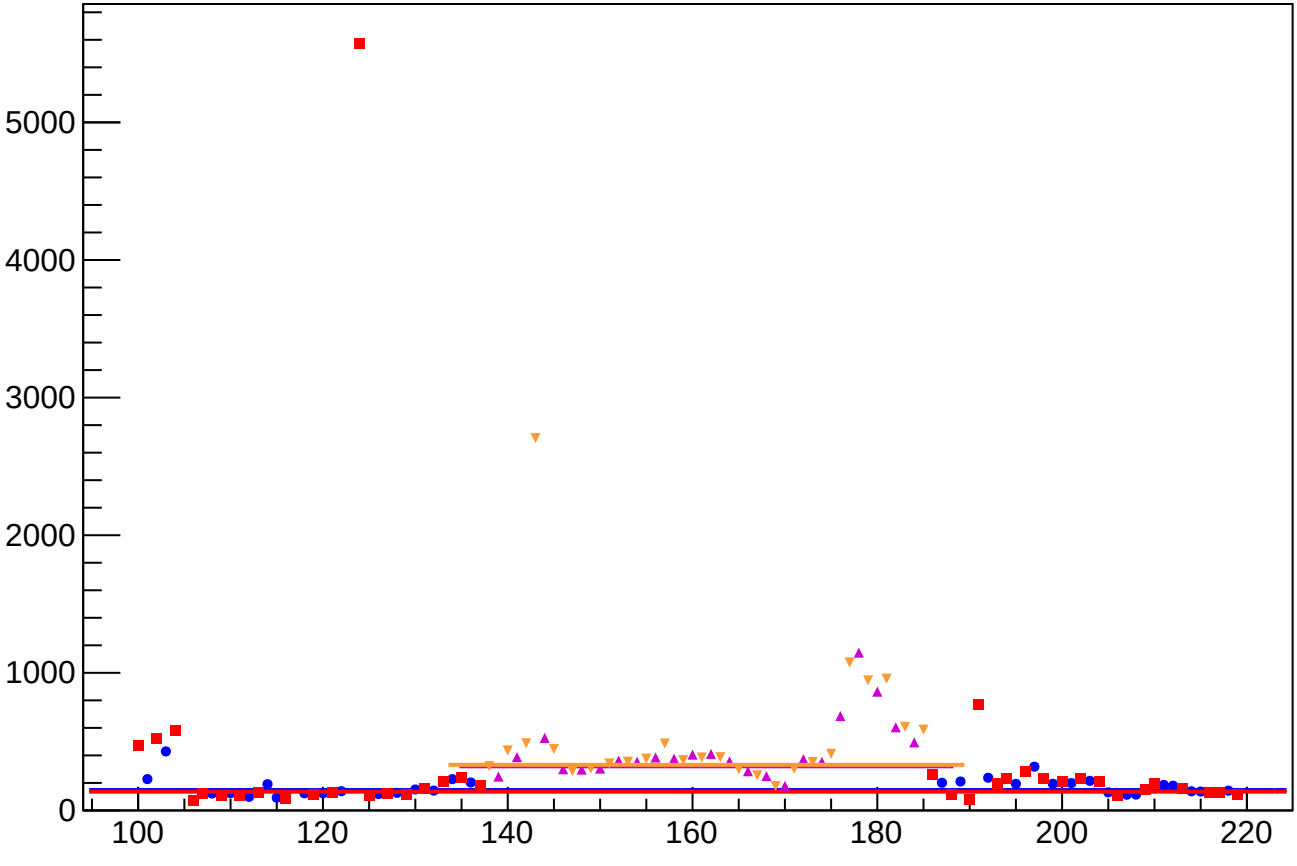
Right: 0.006+/-0.024 χ^2/NDF: 88.0/68

In: -0.020+/-0.033 χ^2/NDF:69.9/54

Out: 0.007+/-0.031 χ^2/NDF:77.1/61

All: -0.006+/-0.022 χ^2/NDF: 147.4/116

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.241+/-0.025 χ^2/NDF: 2971757.0/31

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 136.389+/-0.023 χ^2/NDF: 5143895.4/36

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

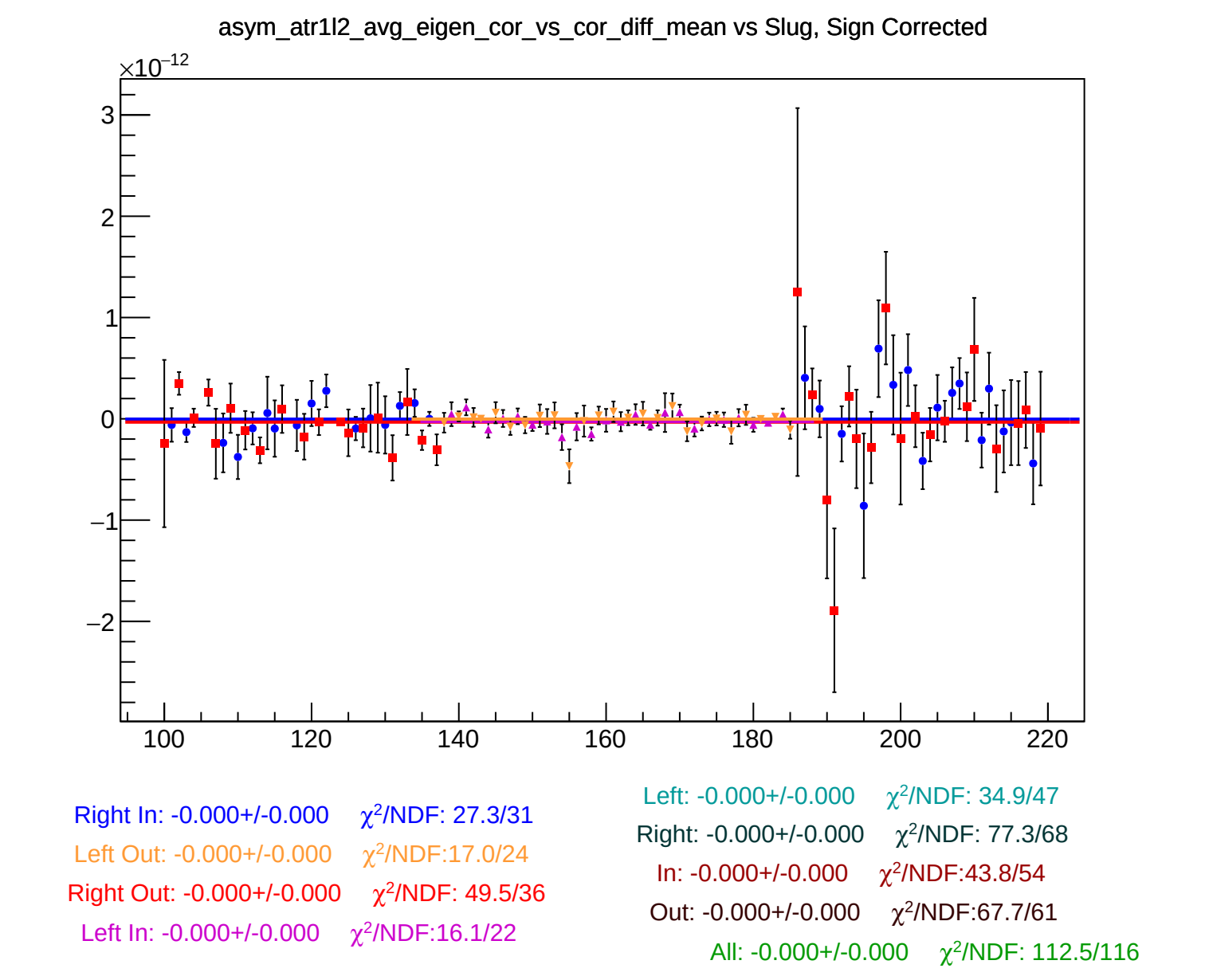
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

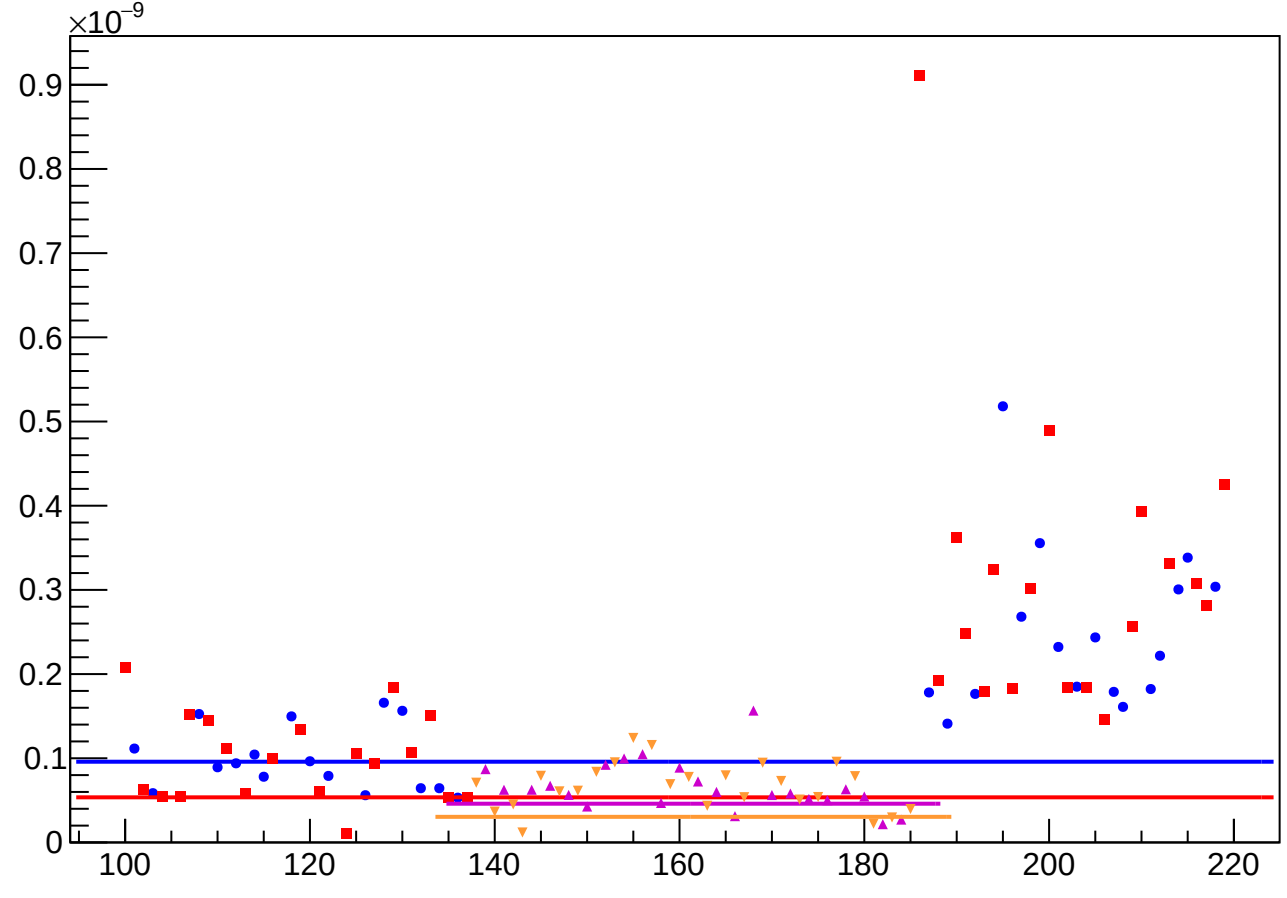
Right: 141.848+/-0.017 χ^2/NDF: 8233005.3/68

In: 176.525+/-0.023 χ^2/NDF:14776598.1/54

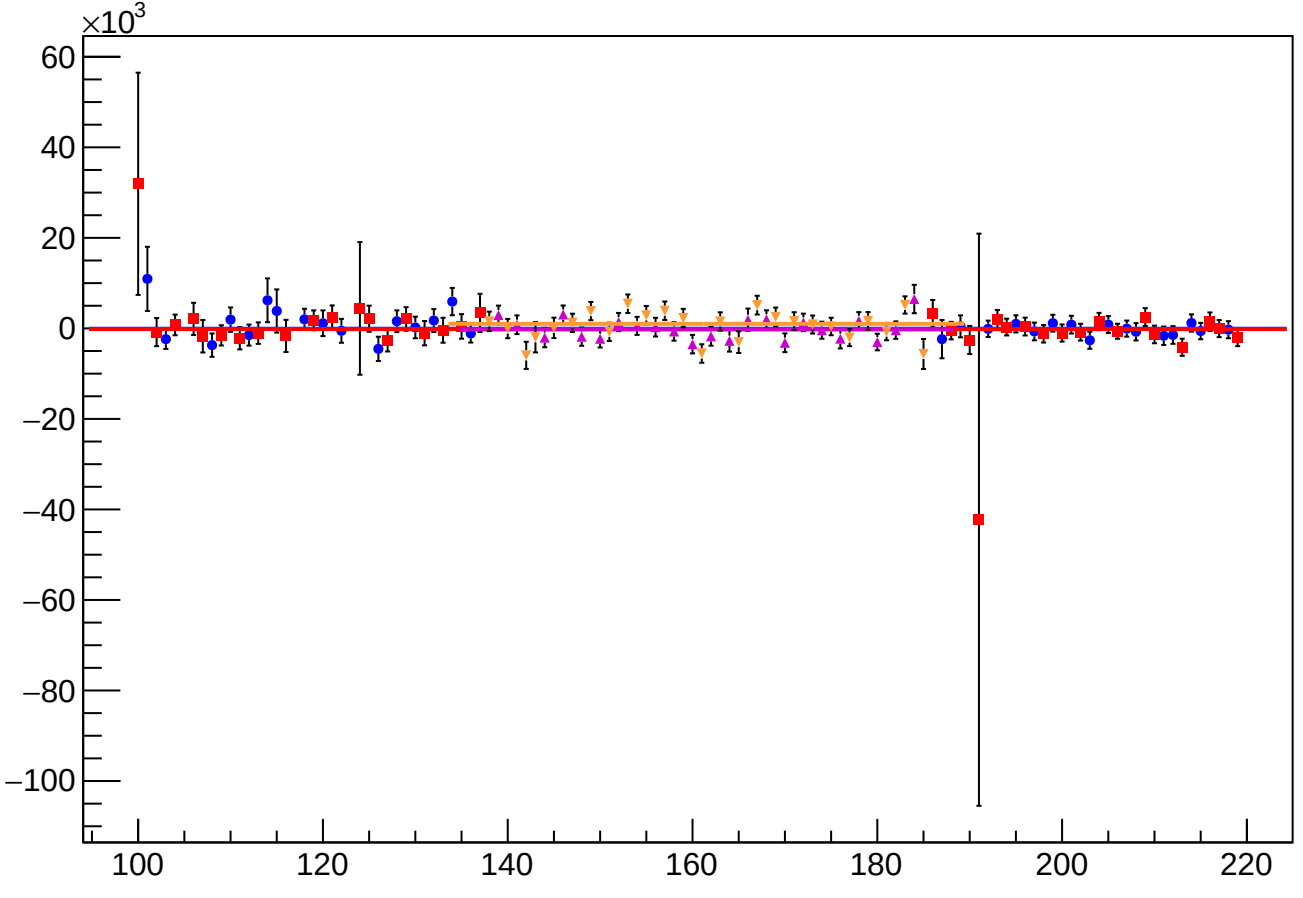
Out: 162.949+/-0.022 χ^2/NDF:20387933.6/61

All: 169.314+/-0.016 χ^2/NDF: 35345884.1/11


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: 27.3/31
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 49.5/36
Left In: -0.000+/-0.000 χ²/NDF:16.1/22
Left: -0.000+/-0.000 χ²/NDF: 34.9/47
Right: -0.000+/-0.000 χ²/NDF: 77.3/68
In: -0.000+/-0.000 χ²/NDF:43.8/54
Out: -0.000+/-0.000 χ²/NDF:67.7/61
All: -0.000+/-0.000 χ²/NDF: 112.5/116


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: 7131567.1/31
Left Out: 0.000+/-0.000 χ²/NDF:10517831.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 15043717.8/36
Left In: 0.000+/-0.000 χ²/NDF:4899715.4/22
Left: 0.000+/-0.000 χ²/NDF: 16912386.2/47
Right: 0.000+/-0.000 χ²/NDF: 24216216.4/68
In: 0.000+/-0.000 χ²/NDF:15669669.2/54
Out: 0.000+/-0.000 χ²/NDF:27070139.3/61
All: 0.000+/-0.000 χ²/NDF: 45496509.0/116

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -83.603+/-395.676 χ^2/NDF: 23.0/31

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -150.930+/-387.153 χ^2/NDF: 22.5/36

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

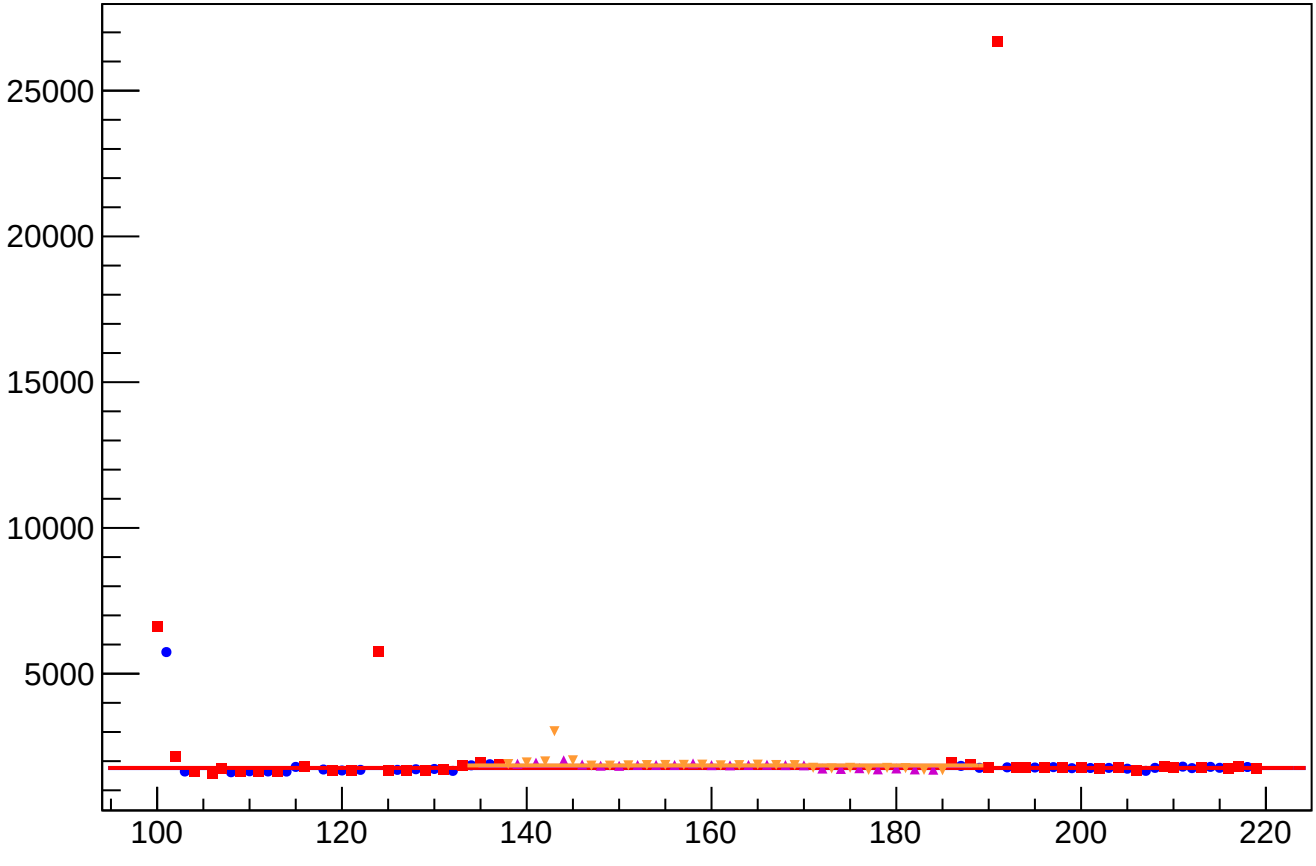
Right: -117.999+/-276.723 χ^2/NDF: 45.5/68

In: -150.466+/-291.071 χ^2/NDF:49.4/54

Out: 376.174+/-285.463 χ^2/NDF:73.9/61

All: 117.976+/-203.807 χ^2/NDF: 125.0/116

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.681+/-0.280 χ^2/NDF: 681015.1/31

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.423+/-0.273 χ^2/NDF: 647268.7/36

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

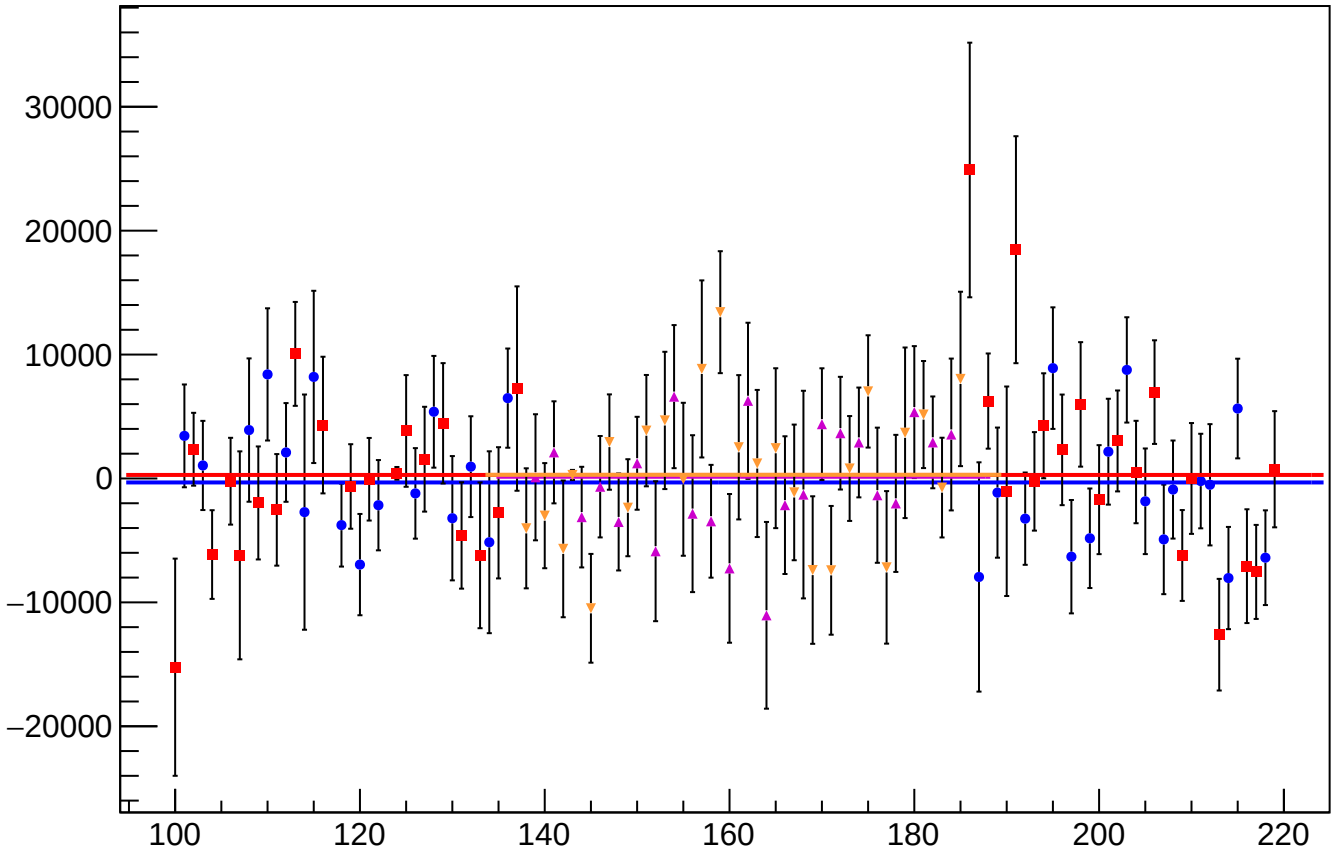
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1765.110+/-0.195 χ^2/NDF: 1328430.9/68

In: 1797.483+/-0.206 χ^2/NDF:783213.9/54

Out: 1806.152+/-0.202 χ^2/NDF:1012519.5/61

All: 1801.908+/-0.144 χ^2/NDF: 1796638.9/11



Right In: -321.206+/-772.523 χ^2/NDF: 37.6/31

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 284.591+/-420.925 χ^2/NDF: 55.1/36

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

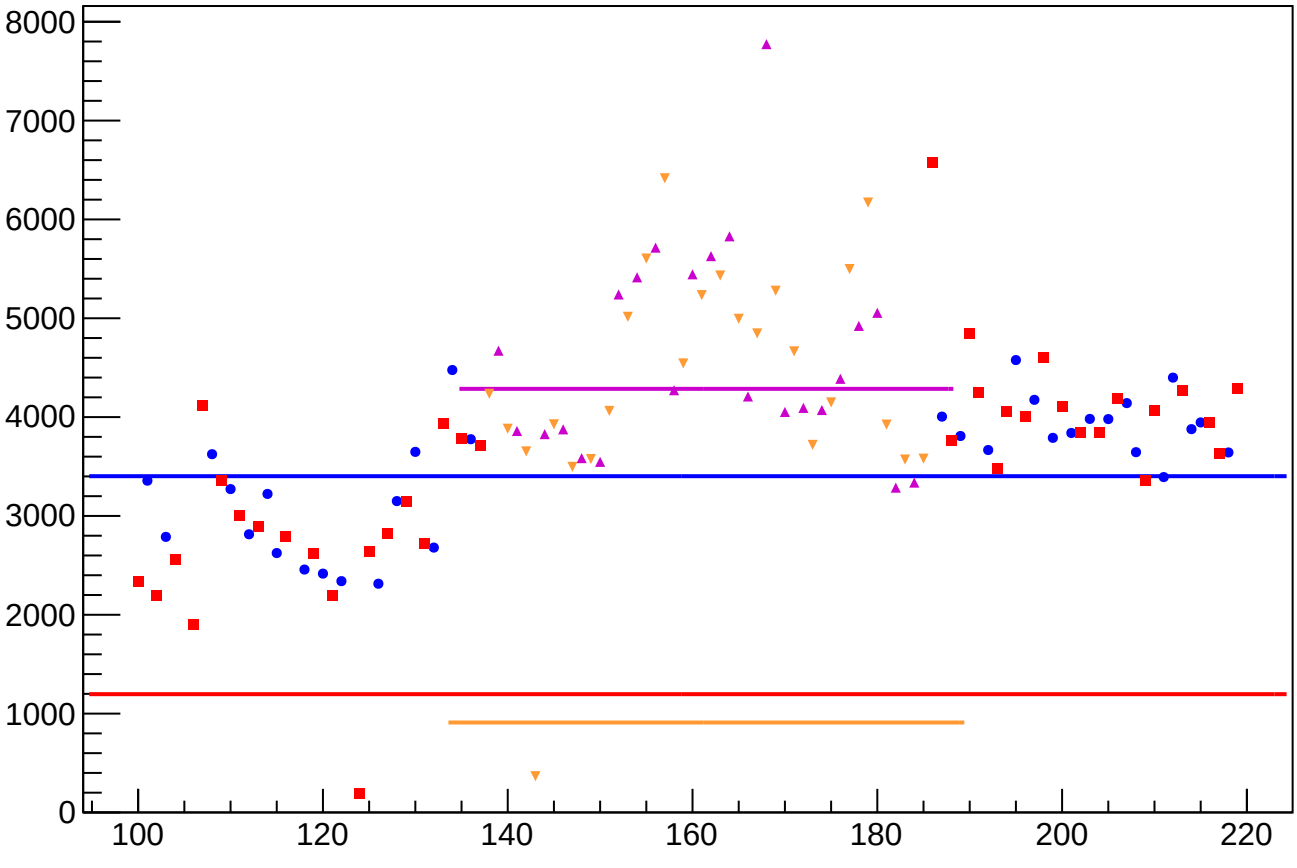
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 145.911+/-369.619 χ^2/NDF: 93.2/68

In: -154.301+/-616.477 χ^2/NDF:51.7/54

Out: 290.000+/-282.031 χ^2/NDF:85.1/61

All: 213.104+/-256.466 χ^2/NDF: 137.2/116



Right In: 3402.203+/-0.546 χ^2/NDF: 1422497.2/31

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 1196.710+/-0.298 χ^2/NDF: 26359722.3/36

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

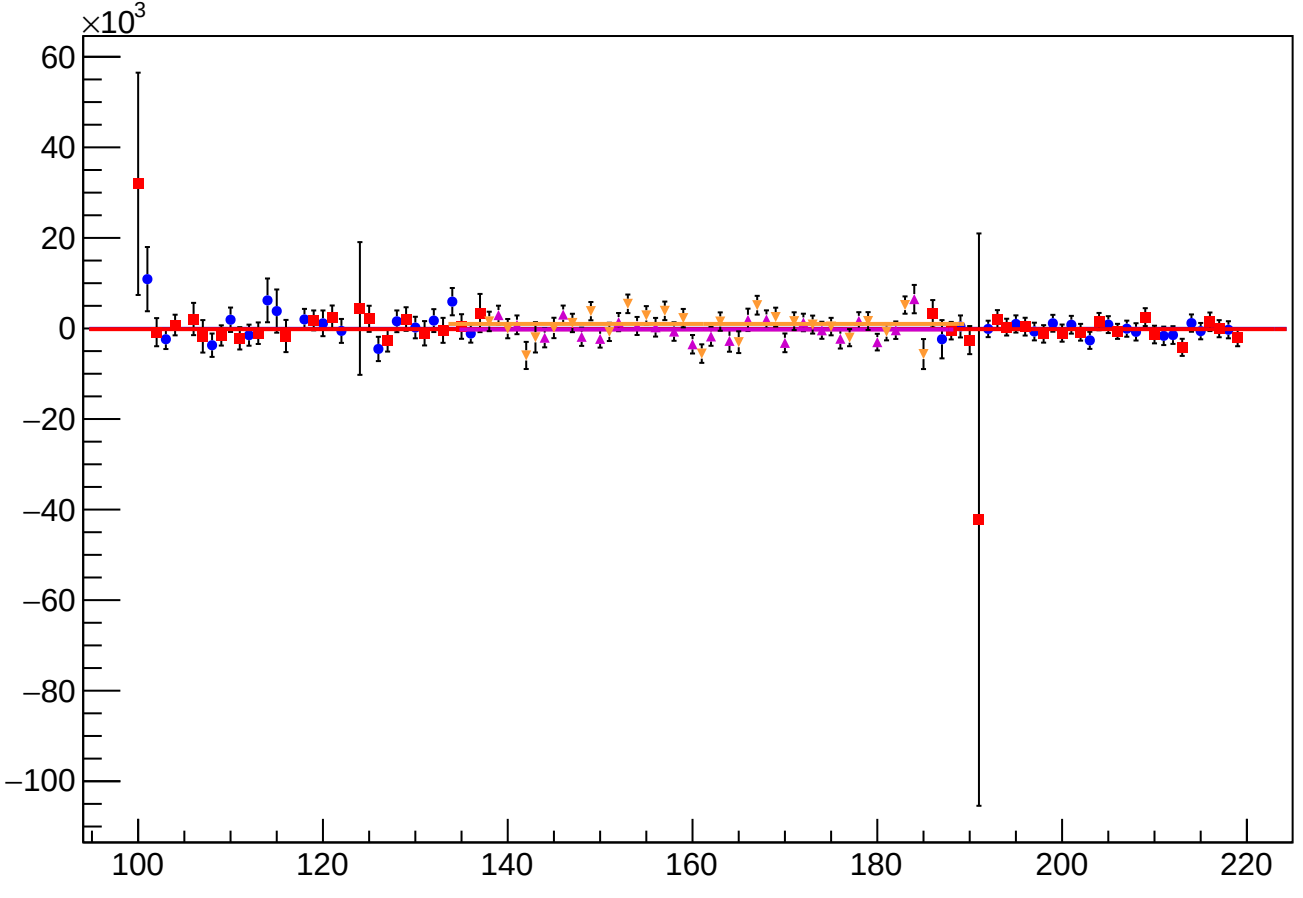
Right: 1701.594+/-0.261 χ^2/NDF: 40351686.8/68

In: 3723.129+/-0.436 χ^2/NDF:3700798.8/54

Out: 1038.788+/-0.199 χ^2/NDF:53644703.7/61

All: 1503.371+/-0.181 χ^2/NDF: 88702809.1/1

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -83.755+/-395.676 χ^2/NDF: 23.0/31

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -150.930+/-387.153 χ^2/NDF: 22.5/36

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

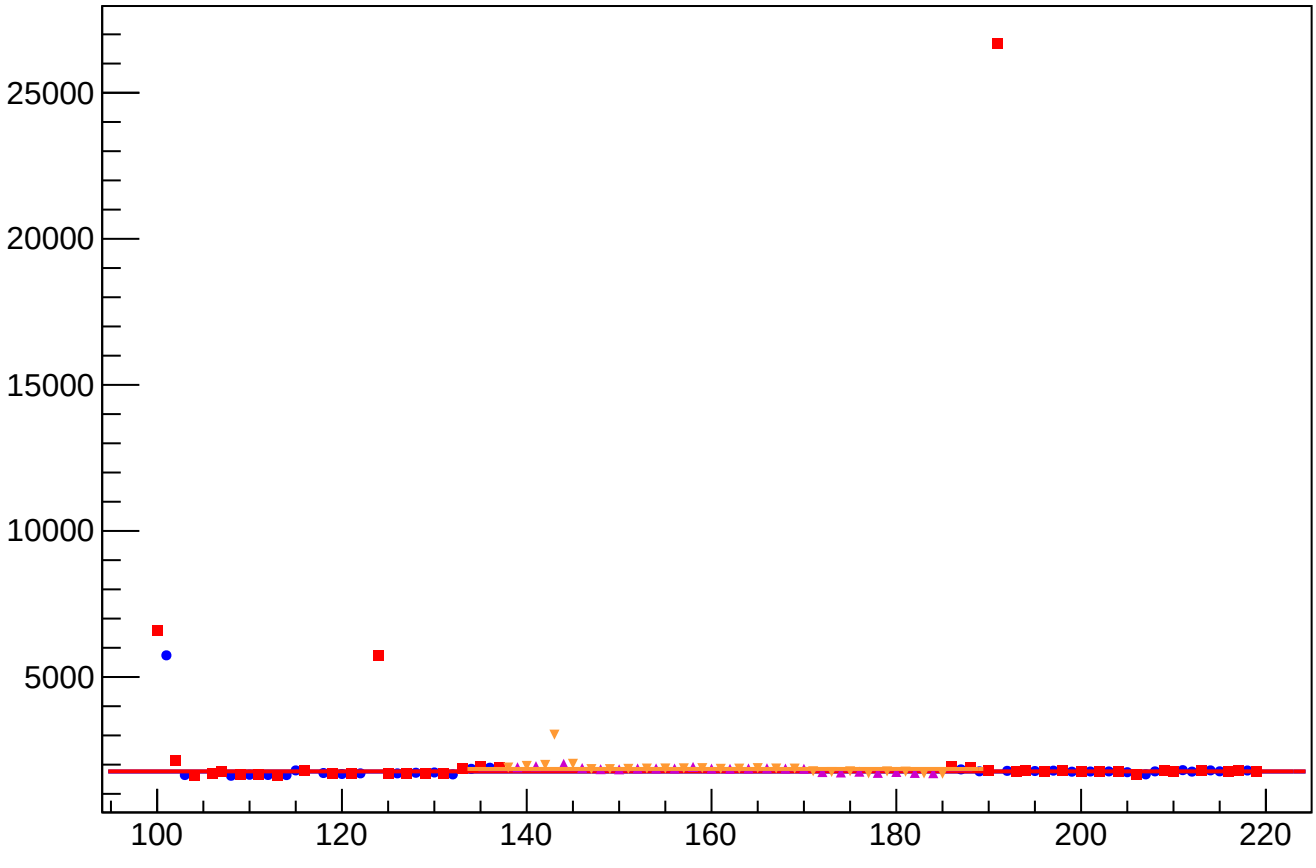
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: -118.074+/-276.723 χ^2/NDF: 45.5/68

In: -150.509+/-291.071 χ^2/NDF:49.4/54

Out: 376.154+/-285.463 χ^2/NDF:73.9/61

All: 117.945+/-203.807 χ^2/NDF: 125.0/116



Right In: 1762.681+/-0.280 χ^2/NDF: 681015.4/31

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1769.845+/-0.273 χ^2/NDF: 639039.8/36

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

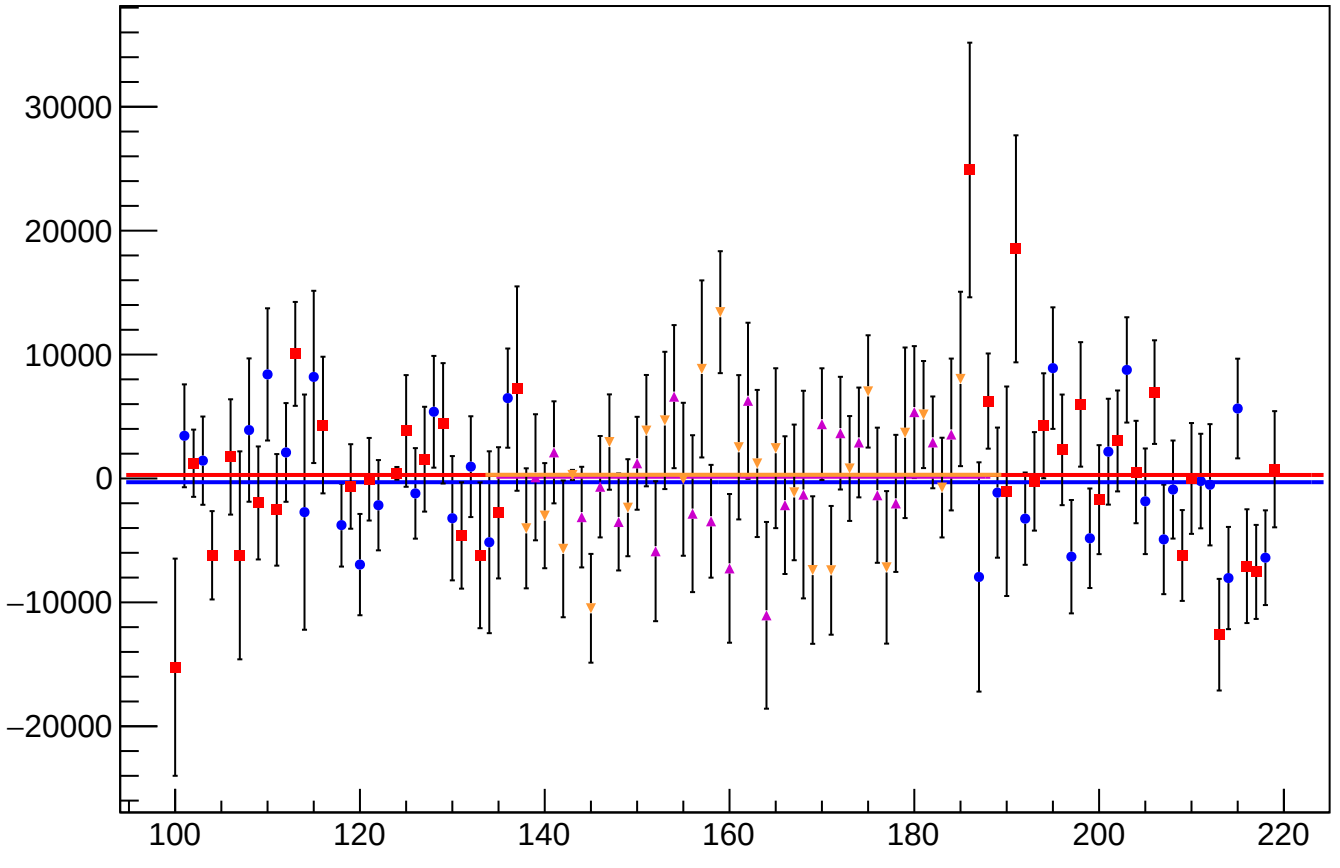
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1766.346+/-0.196 χ^2/NDF: 1320390.6/68

In: 1797.483+/-0.206 χ^2/NDF:783214.2/54

Out: 1807.524+/-0.202 χ^2/NDF:1001761.7/61

All: 1802.605+/-0.144 χ^2/NDF: 1786190.0/11



Right In: -301.736+/-772.164 χ^2/NDF: 37.7/31

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 282.548+/-421.635 χ^2/NDF: 54.9/36

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

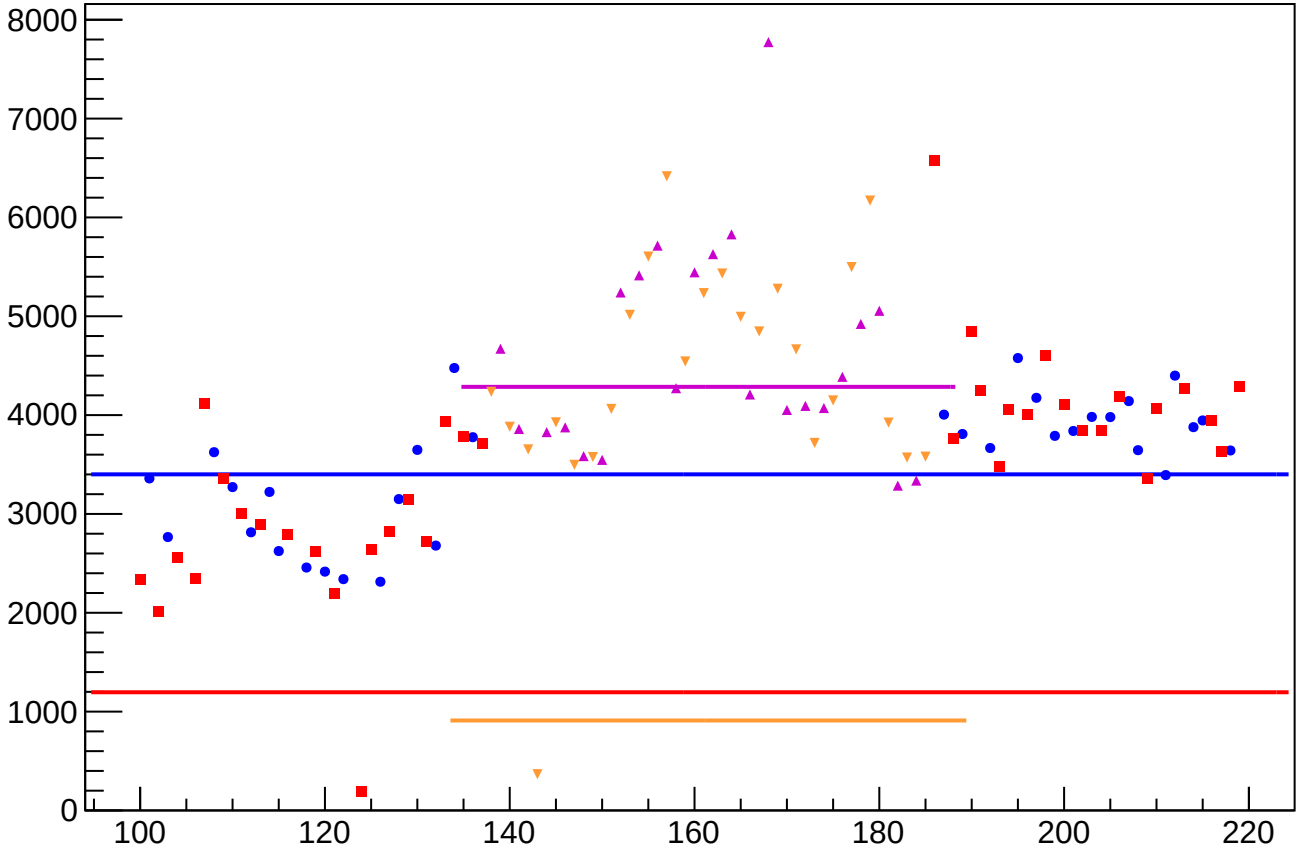
Right: 148.349+/-370.060 χ^2/NDF: 93.1/68

In: -142.025+/-616.294 χ^2/NDF:51.8/54

Out: 289.590+/-282.256 χ^2/NDF:85.0/61

All: 214.754+/-256.622 χ^2/NDF: 137.1/116

asym_atr1l2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3400.654+/-0.546 χ^2/NDF: 1428039.2/31

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1195.839+/-0.298 χ^2/NDF: 26336480.0/36

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

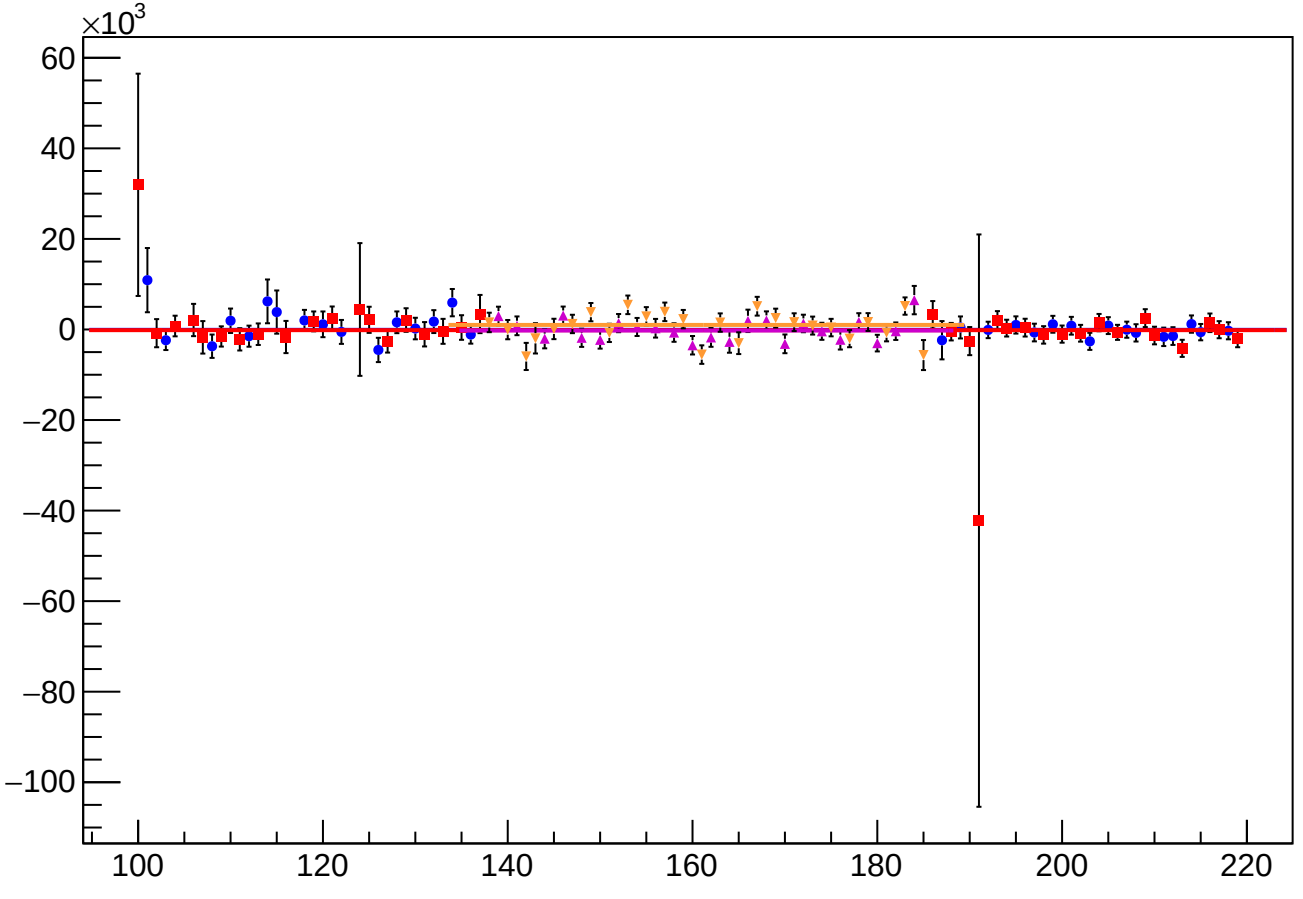
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1702.244+/-0.262 χ^2/NDF: 40325564.2/68

In: 3721.949+/-0.436 χ^2/NDF:3709990.8/54

Out: 1038.235+/-0.200 χ^2/NDF:53615809.0/61

All: 1503.552+/-0.181 χ^2/NDF: 88675202.1/1



Right In: -83.755+/-395.676 χ^2/NDF: 23.0/31

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -150.930+/-387.153 χ^2/NDF: 22.5/36

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

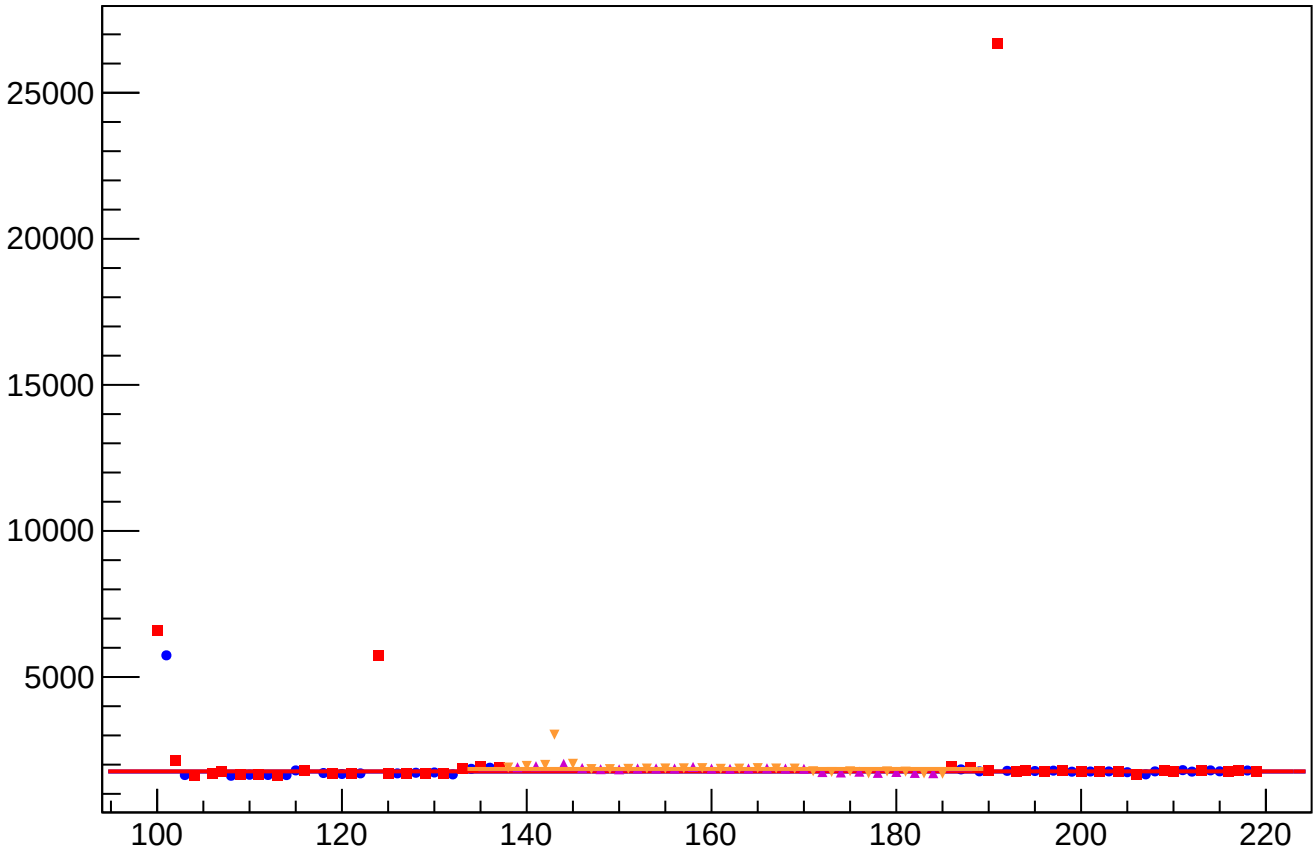
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: -118.074+/-276.723 χ^2/NDF: 45.5/68

In: -150.509+/-291.071 χ^2/NDF:49.4/54

Out: 376.154+/-285.463 χ^2/NDF:73.9/61

All: 117.945+/-203.807 χ^2/NDF: 125.0/116



Right In: 1762.681+/-0.280 χ^2/NDF: 681015.4/31

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1769.845+/-0.273 χ^2/NDF: 639039.8/36

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

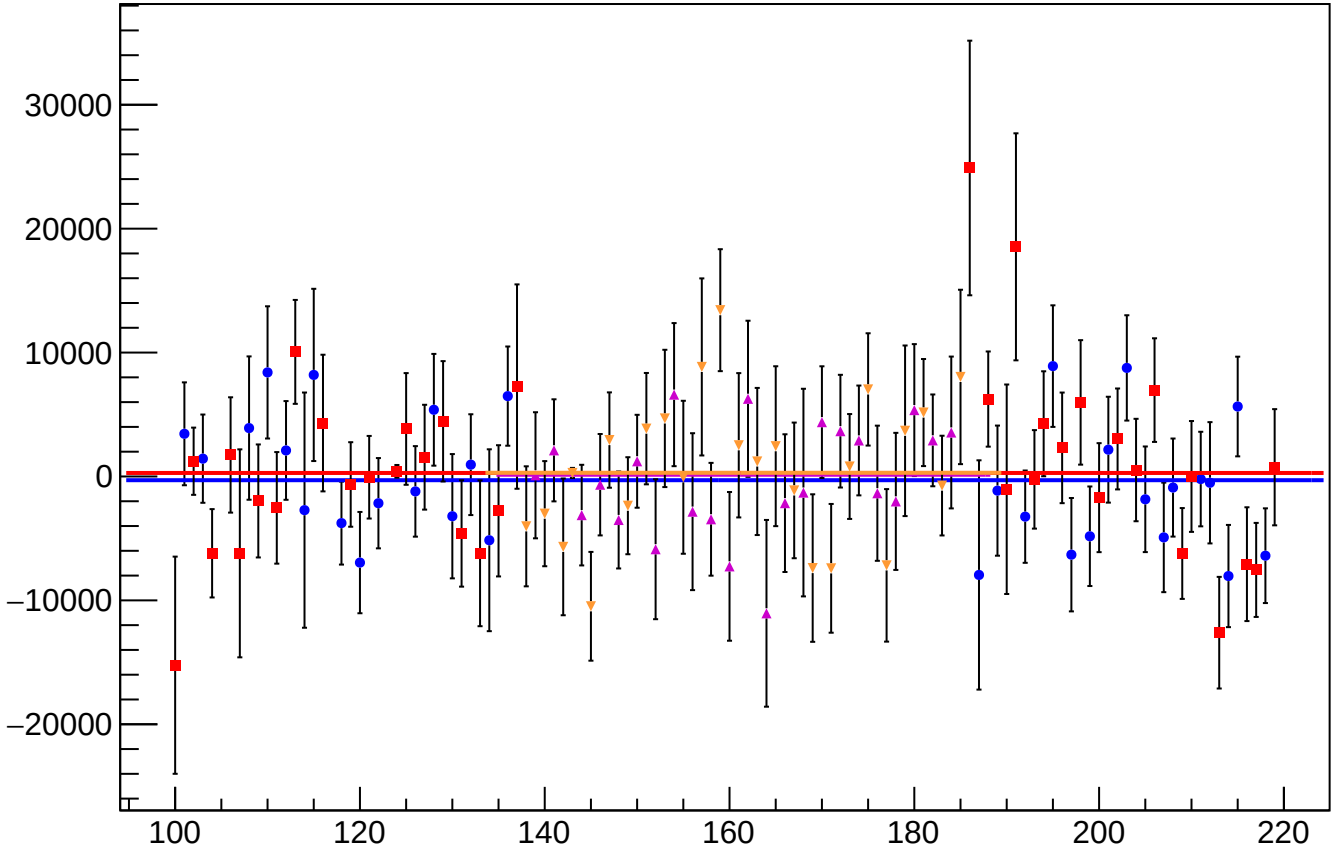
Right: 1766.346+/-0.196 χ^2/NDF: 1320390.6/68

In: 1797.483+/-0.206 χ^2/NDF:783214.2/54

Out: 1807.524+/-0.202 χ^2/NDF:1001761.7/61

All: 1802.605+/-0.144 χ^2/NDF: 1786190.0/11

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -301.736+/-772.164 χ^2/NDF: 37.7/31

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 282.548+/-421.635 χ^2/NDF: 54.9/36

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

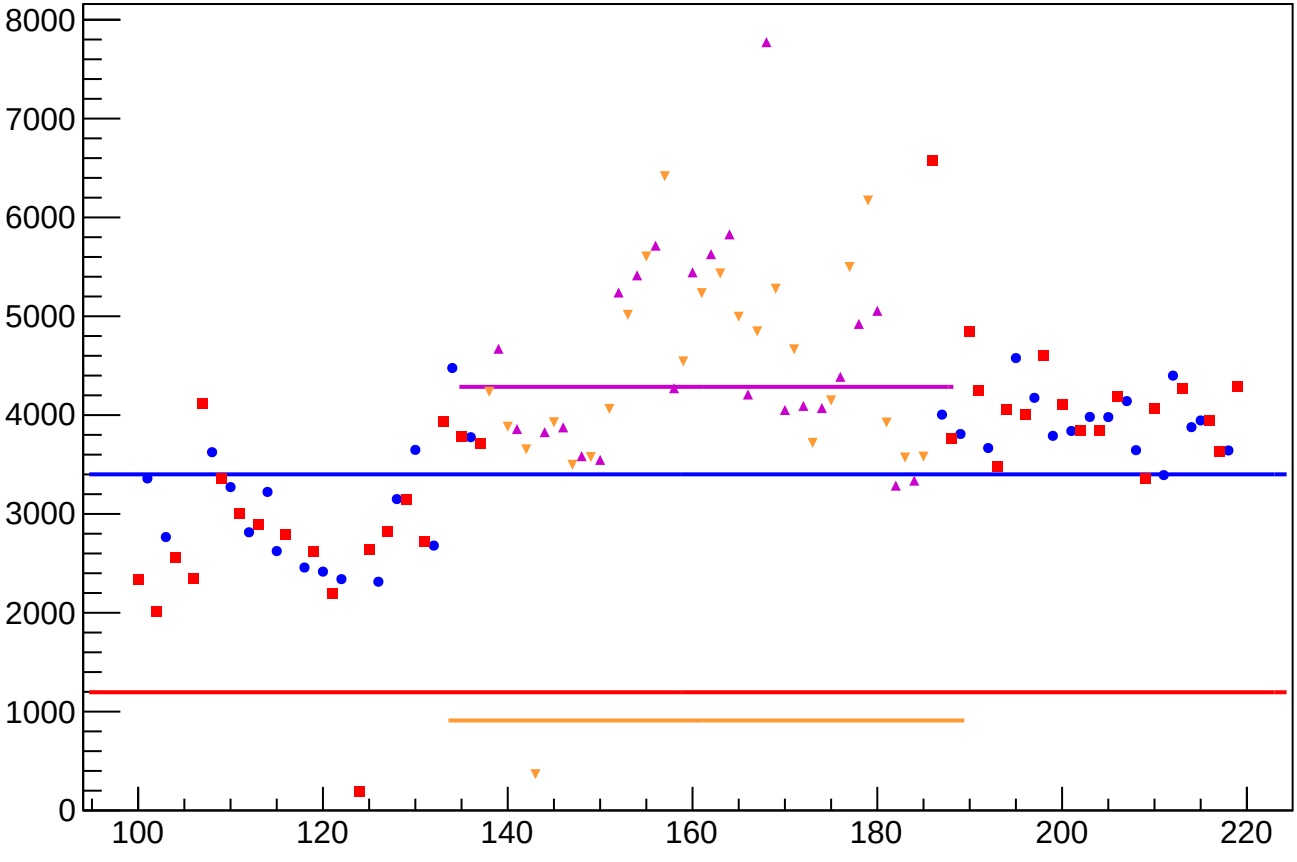
Right: 148.349+/-370.060 χ^2/NDF: 93.1/68

In: -142.025+/-616.294 χ^2/NDF:51.8/54

Out: 289.590+/-282.256 χ^2/NDF:85.0/61

All: 214.754+/-256.622 χ^2/NDF: 137.1/116

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3400.654+/-0.546 χ^2/NDF: 1428039.2/31

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1195.839+/-0.298 χ^2/NDF: 26336480.0/36

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

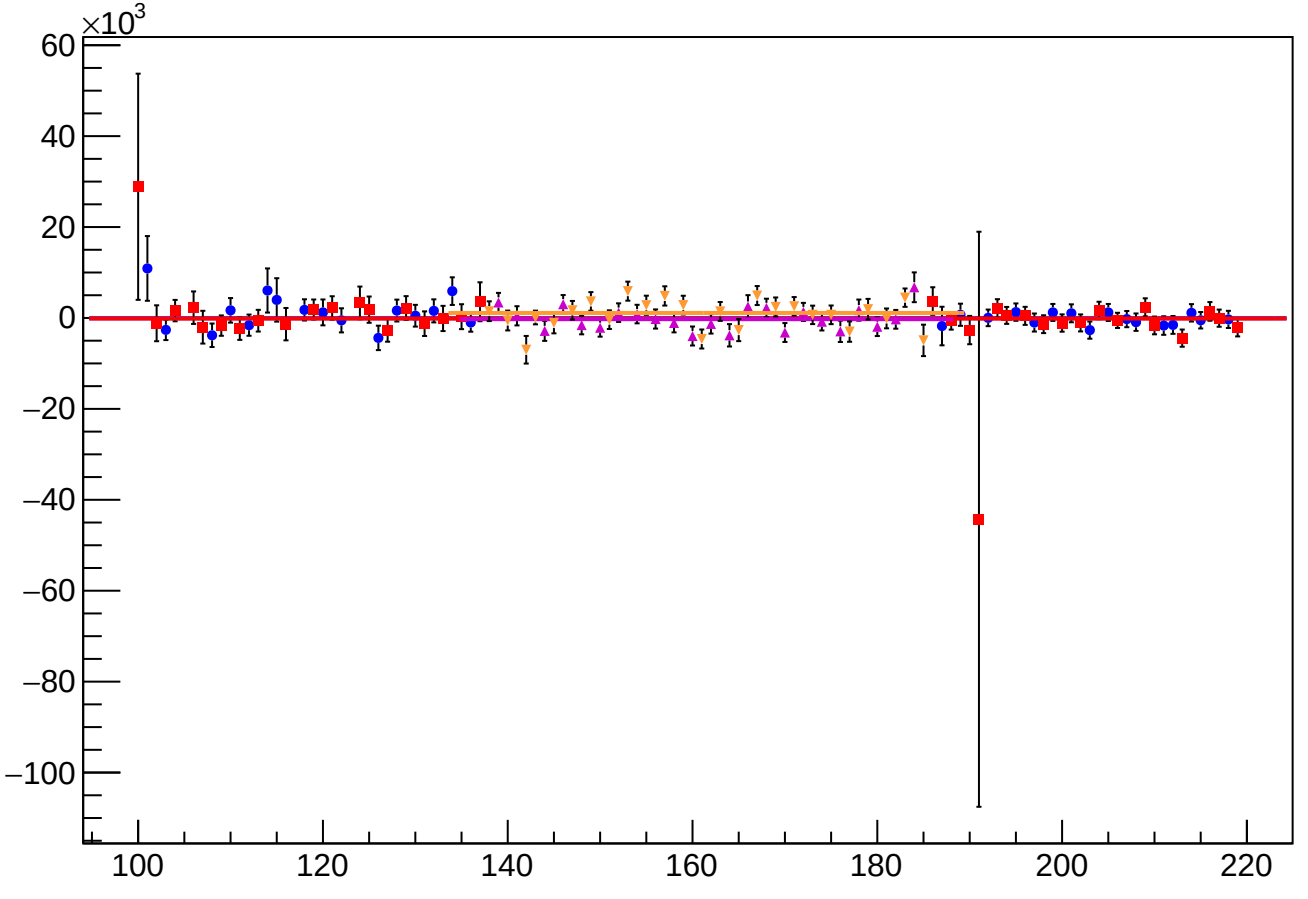
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1702.244+/-0.262 χ^2/NDF: 40325564.2/68

In: 3721.949+/-0.436 χ^2/NDF:3709990.8/54

Out: 1038.235+/-0.200 χ^2/NDF:53615809.0/61

All: 1503.552+/-0.181 χ^2/NDF: 88675202.1/1



Right In: -67.987+/-397.771 χ^2/NDF: 23.3/31

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -123.105+/-388.217 χ^2/NDF: 25.1/36

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

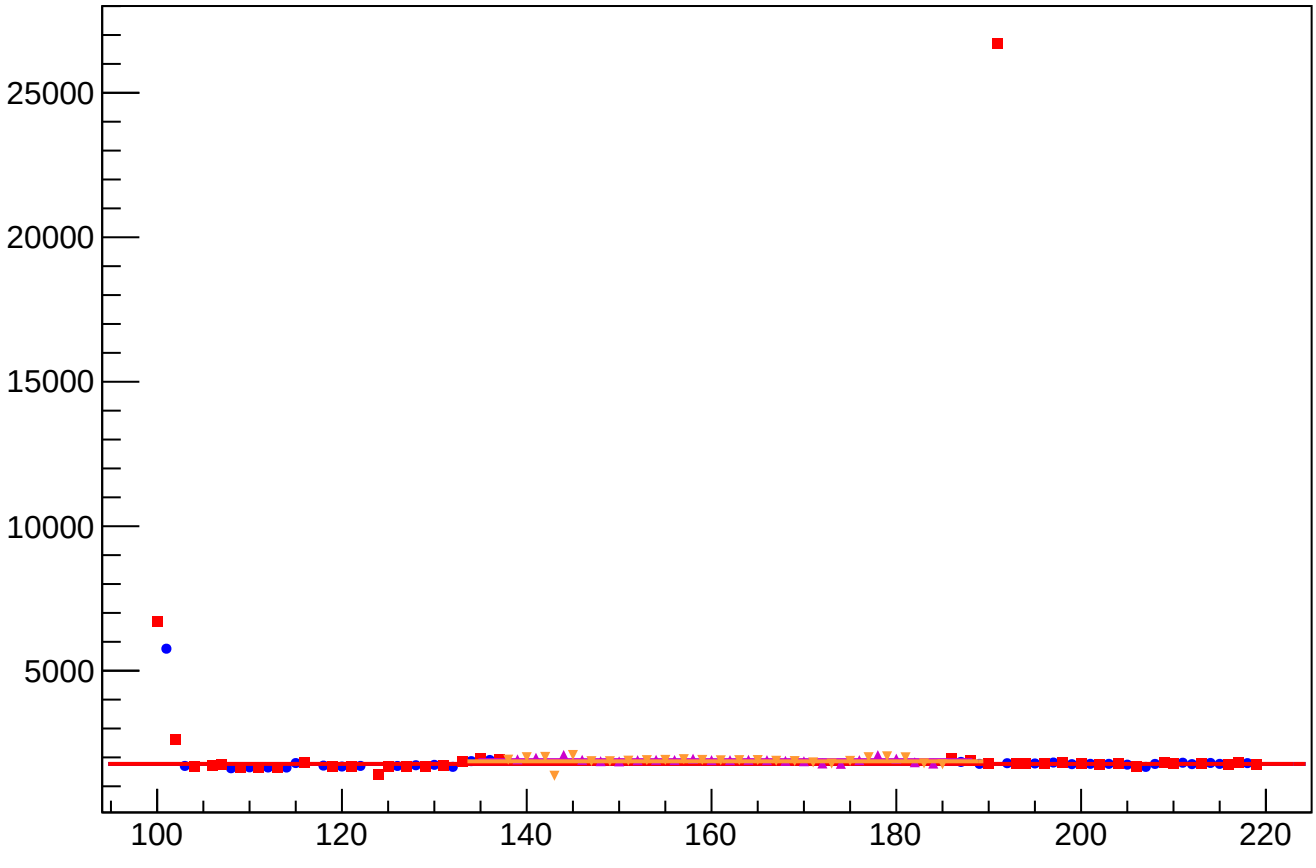
Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

Right: -96.216+/-277.827 χ^2/NDF: 48.5/68

In: -155.237+/-296.668 χ^2/NDF:51.1/54

Out: 434.284+/-286.732 χ^2/NDF:74.4/61

All: 149.560+/-206.173 χ^2/NDF: 127.6/116



Right In: 1772.021+/-0.281 χ^2/NDF: 679414.9/31

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1774.713+/-0.274 χ^2/NDF: 570775.0/36

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

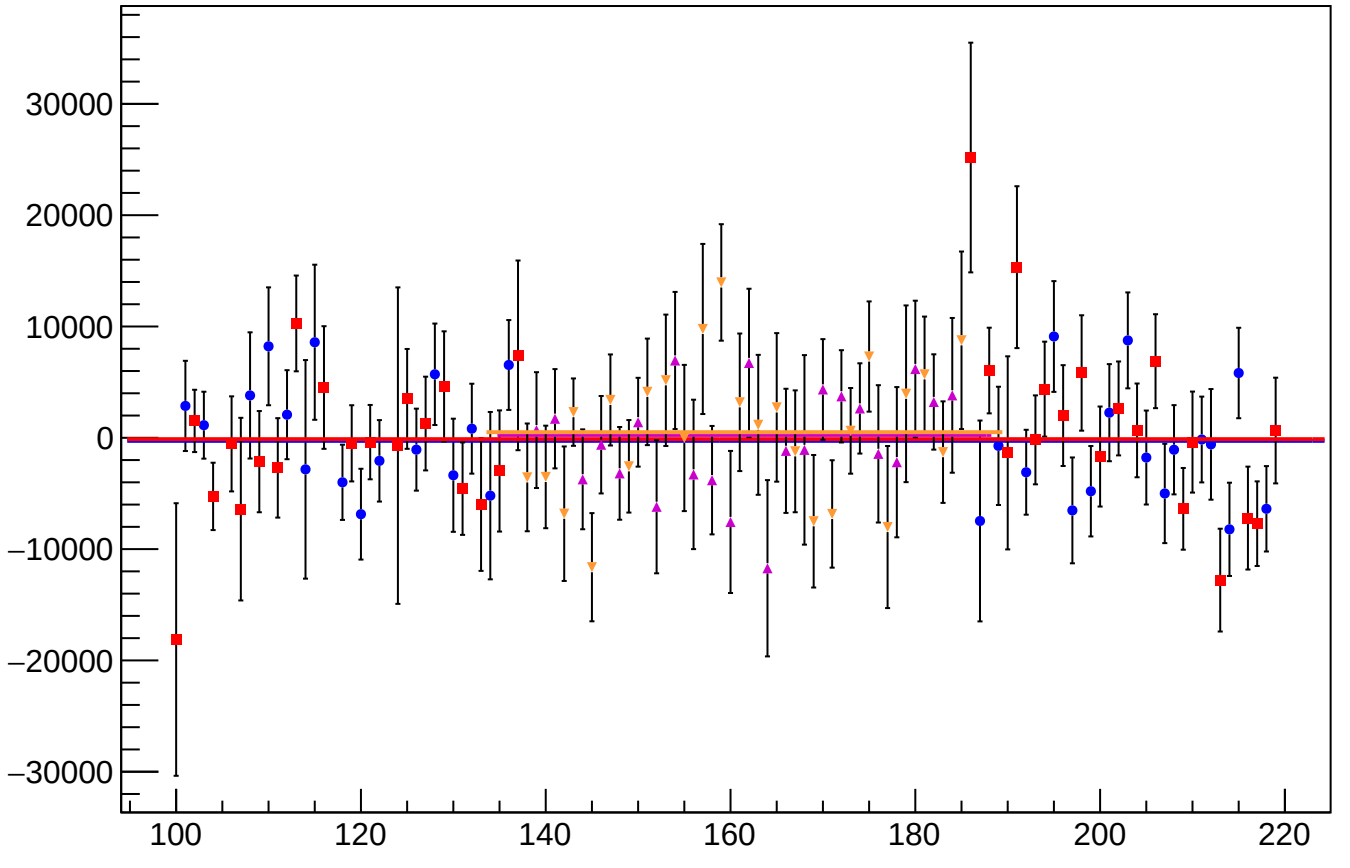
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1773.401+/-0.196 χ^2/NDF: 1250236.9/68

In: 1831.308+/-0.210 χ^2/NDF:832323.5/54

Out: 1815.629+/-0.203 χ^2/NDF:914523.7/61

All: 1823.197+/-0.146 χ^2/NDF: 1749736.9/11



Right In: -270.116+/-770.383 χ^2/NDF: 37.6/31

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -124.277+/-741.208 χ^2/NDF: 53.8/36

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

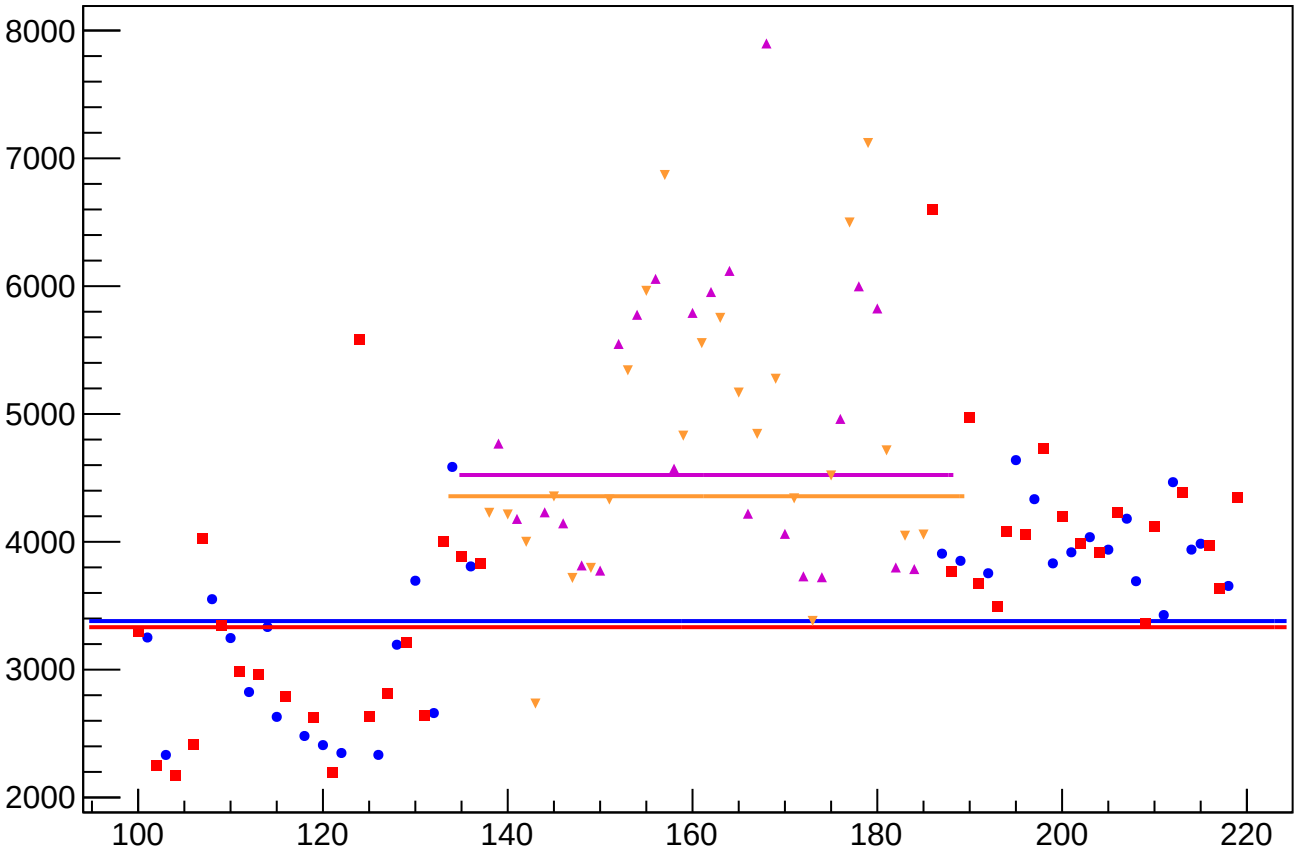
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: -194.382+/-534.130 χ^2/NDF: 91.5/68

In: -91.298+/-627.447 χ^2/NDF:51.4/54

Out: 92.461+/-599.954 χ^2/NDF:84.1/61

All: 4.696+/-433.625 χ^2/NDF: 135.6/116



Right In: 3380.062+/-0.545 χ^2/NDF: 1682610.9/31

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3332.226+/-0.524 χ^2/NDF: 2424628.2/36

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

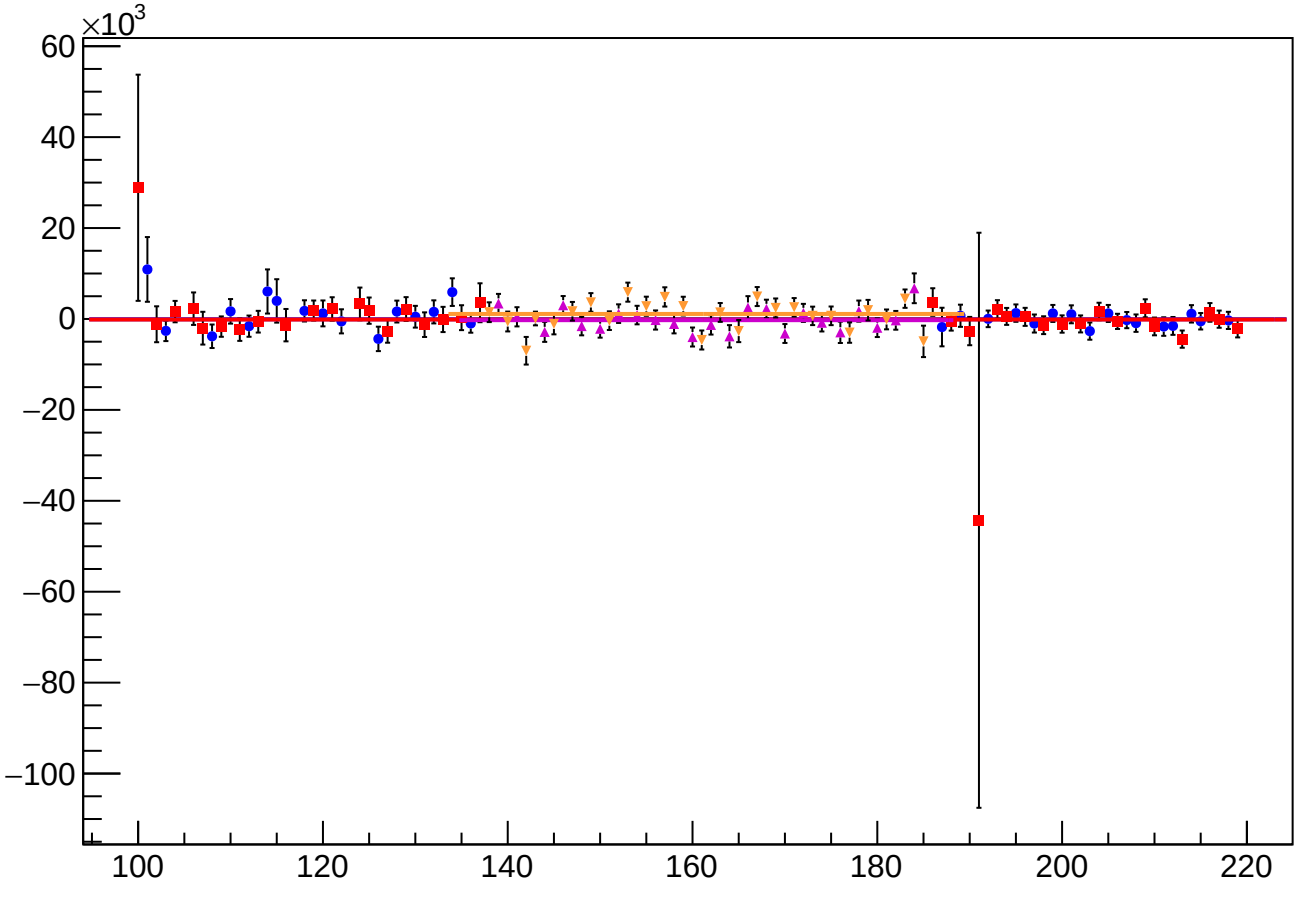
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3355.221+/-0.378 χ^2/NDF: 4111243.5/68

In: 3764.762+/-0.444 χ^2/NDF:4598050.3/54

Out: 3685.474+/-0.424 χ^2/NDF:5654315.7/61

All: 3723.343+/-0.307 χ^2/NDF: 10269049.3/1



Right In: -67.988+/-397.771 χ^2/NDF: 23.3/31

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -123.104+/-388.217 χ^2/NDF: 25.1/36

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

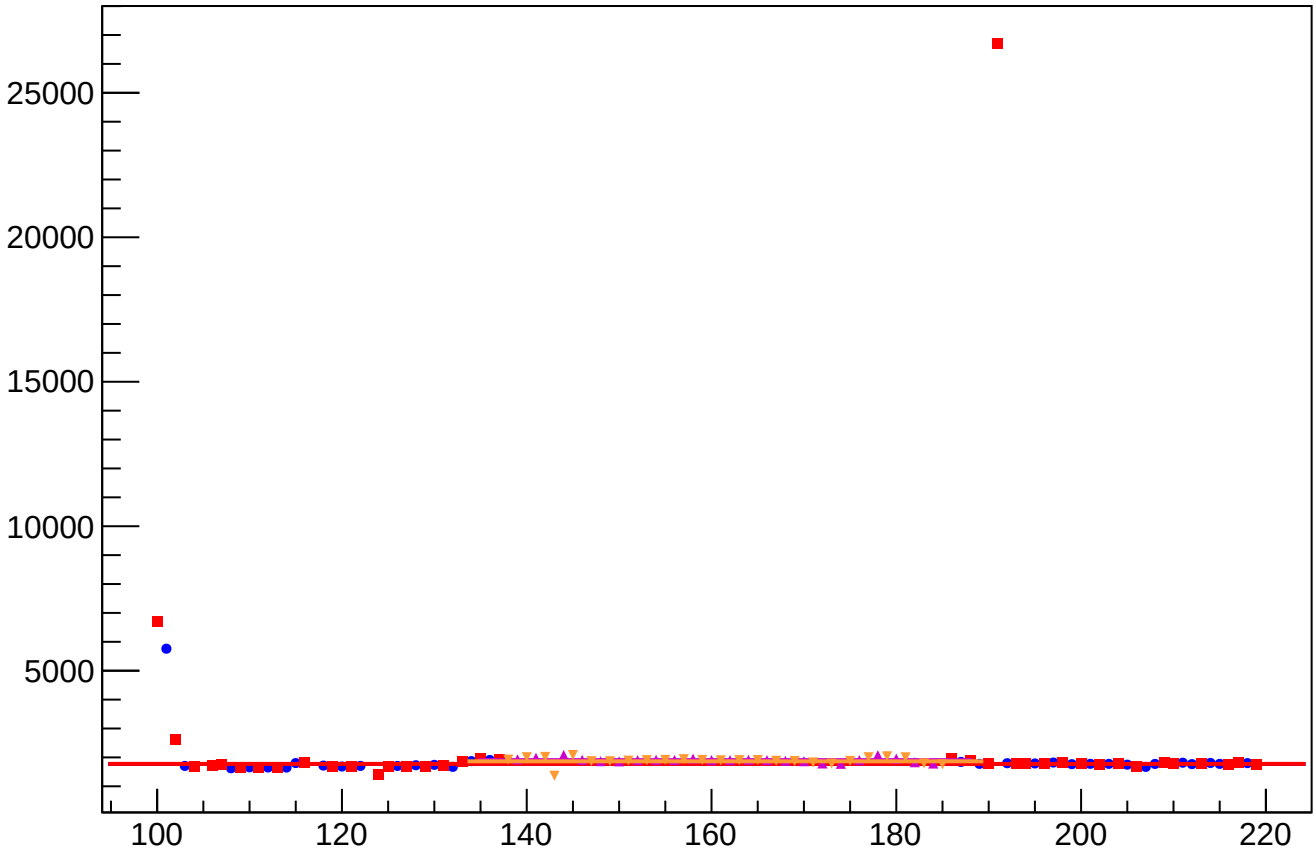
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: -96.216+/-277.827 χ^2/NDF: 48.5/68

In: -155.237+/-296.668 χ^2/NDF:51.1/54

Out: 434.284+/-286.732 χ^2/NDF:74.4/61

All: 149.560+/-206.173 χ^2/NDF: 127.6/116



Right In: 1772.021+/-0.281 χ^2/NDF: 679414.9/31

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1774.713+/-0.274 χ^2/NDF: 570775.0/36

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

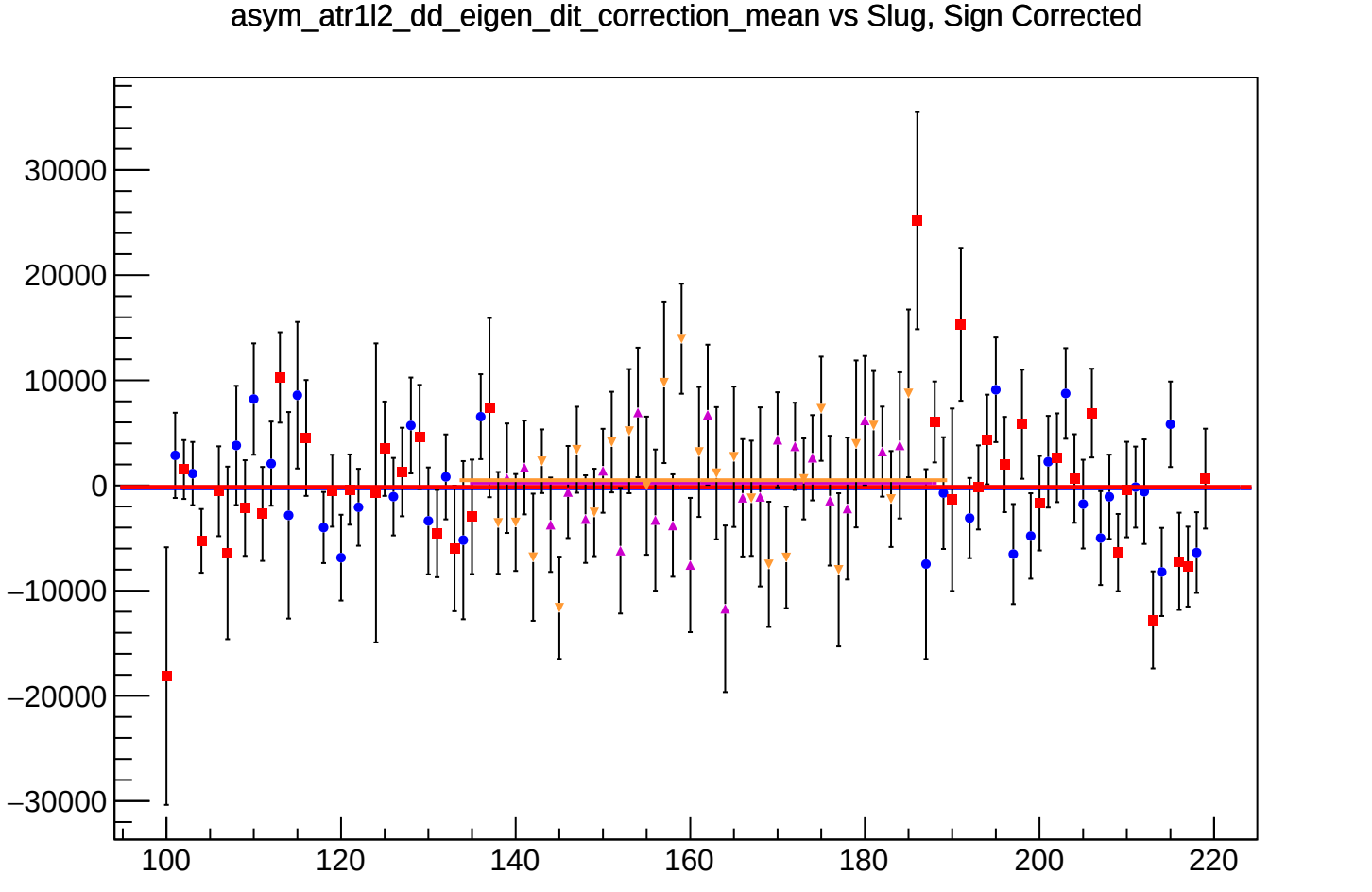
Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

Right: 1773.401+/-0.196 χ^2/NDF: 1250236.9/68

In: 1831.309+/-0.210 χ^2/NDF:832327.2/54

Out: 1815.630+/-0.203 χ^2/NDF:914528.0/61

All: 1823.198+/-0.146 χ^2/NDF: 1749744.9/11



Right In: -270.116+/-770.382 χ^2/NDF: 37.6/31

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: -124.281+/-741.208 χ^2/NDF: 53.8/36

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

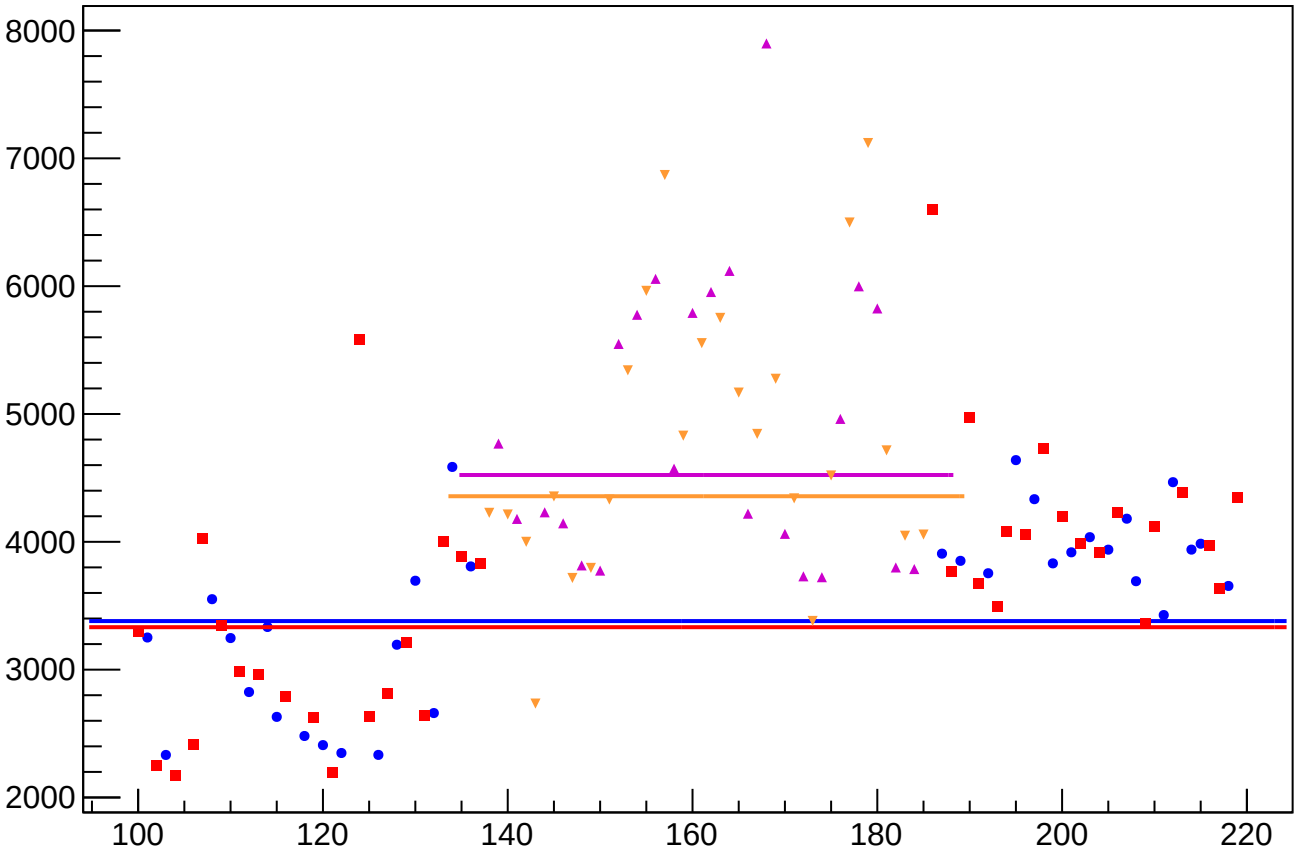
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: -194.385+/-534.129 χ^2/NDF: 91.5/68

In: -91.299+/-627.448 χ^2/NDF:51.4/54

Out: 92.459+/-599.954 χ^2/NDF:84.1/61

All: 4.694+/-433.626 χ^2/NDF: 135.6/116



Right In: 3380.059+/-0.545 χ^2/NDF: 1682645.6/31

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3332.223+/-0.524 χ^2/NDF: 2424650.1/36

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

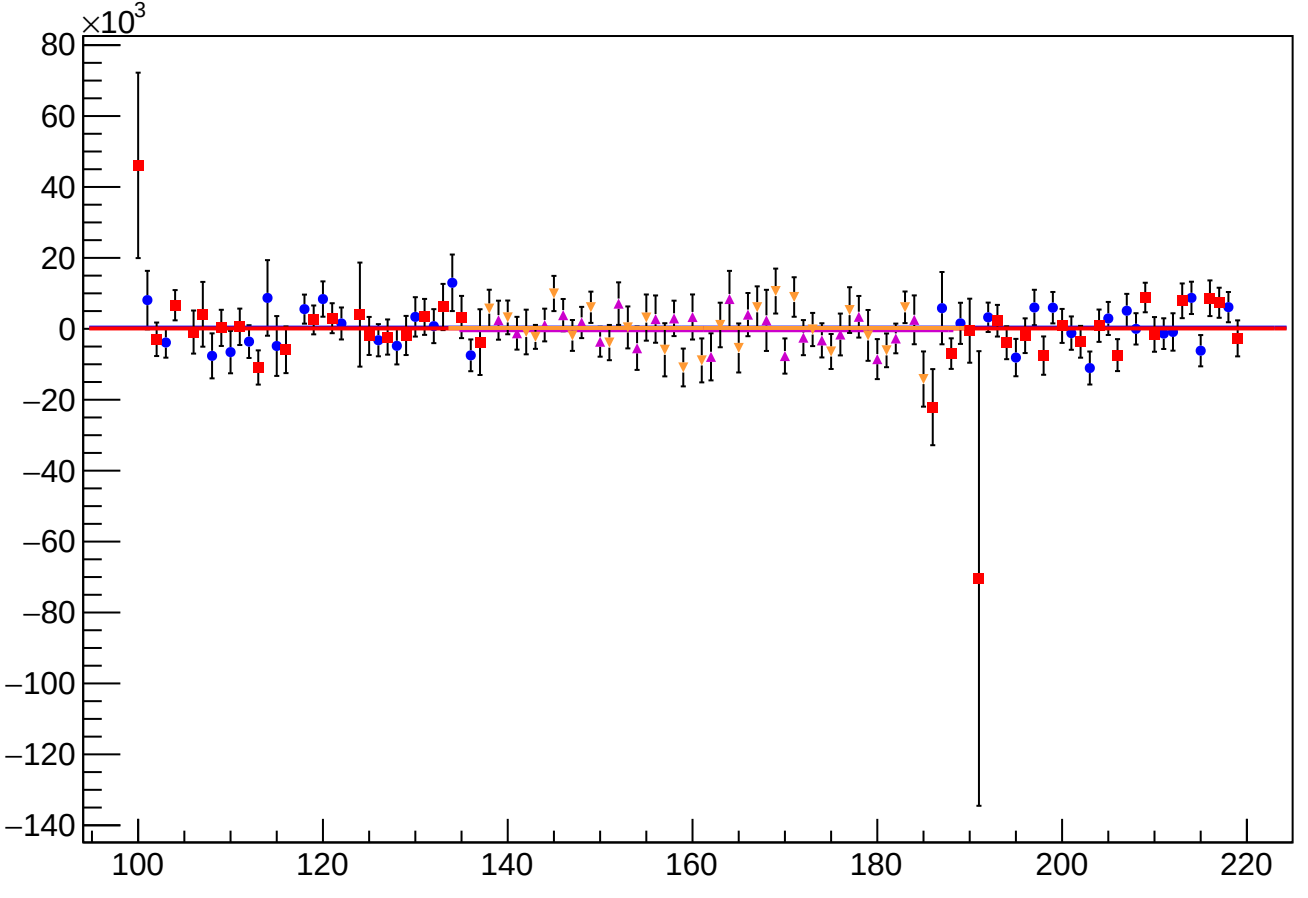
Right: 3355.218+/-0.378 χ^2/NDF: 4111300.1/68

In: 3764.762+/-0.444 χ^2/NDF:4598108.8/54

Out: 3685.473+/-0.424 χ^2/NDF:5654364.7/61

All: 3723.343+/-0.307 χ^2/NDF: 10269157.0/1

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 339.300+/-887.795 χ^2/NDF: 39.5/31

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 103.468+/-867.791 χ^2/NDF: 43.3/36

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

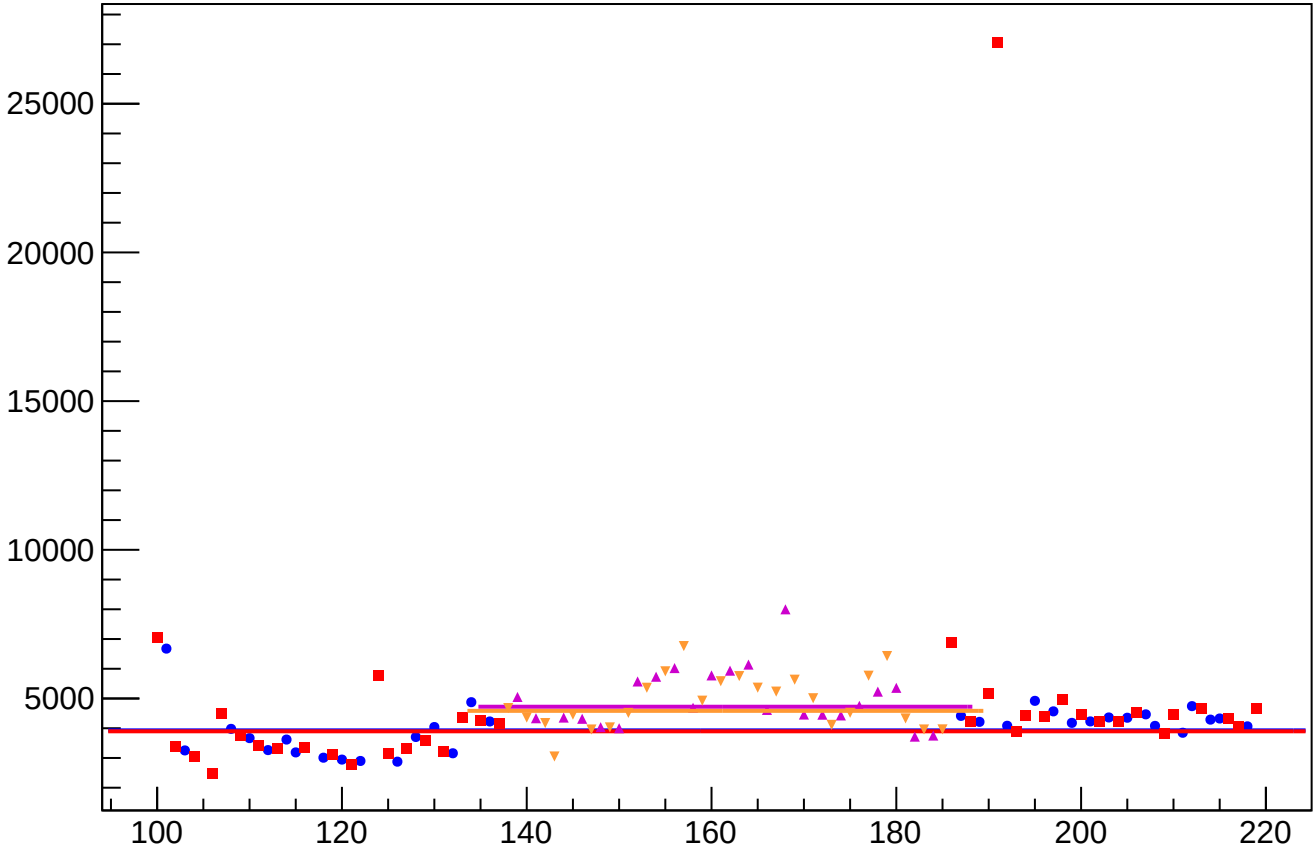
Right: 218.697+/-620.573 χ^2/NDF: 82.9/68

In: 55.253+/-696.047 χ^2/NDF:54.0/54

Out: 157.940+/-672.649 χ^2/NDF:75.5/61

All: 108.351+/-483.695 χ^2/NDF: 129.6/116

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3928.615+/-0.628 χ^2/NDF: 1089551.1/31

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3896.966+/-0.610 χ^2/NDF: 1571636.1/36

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

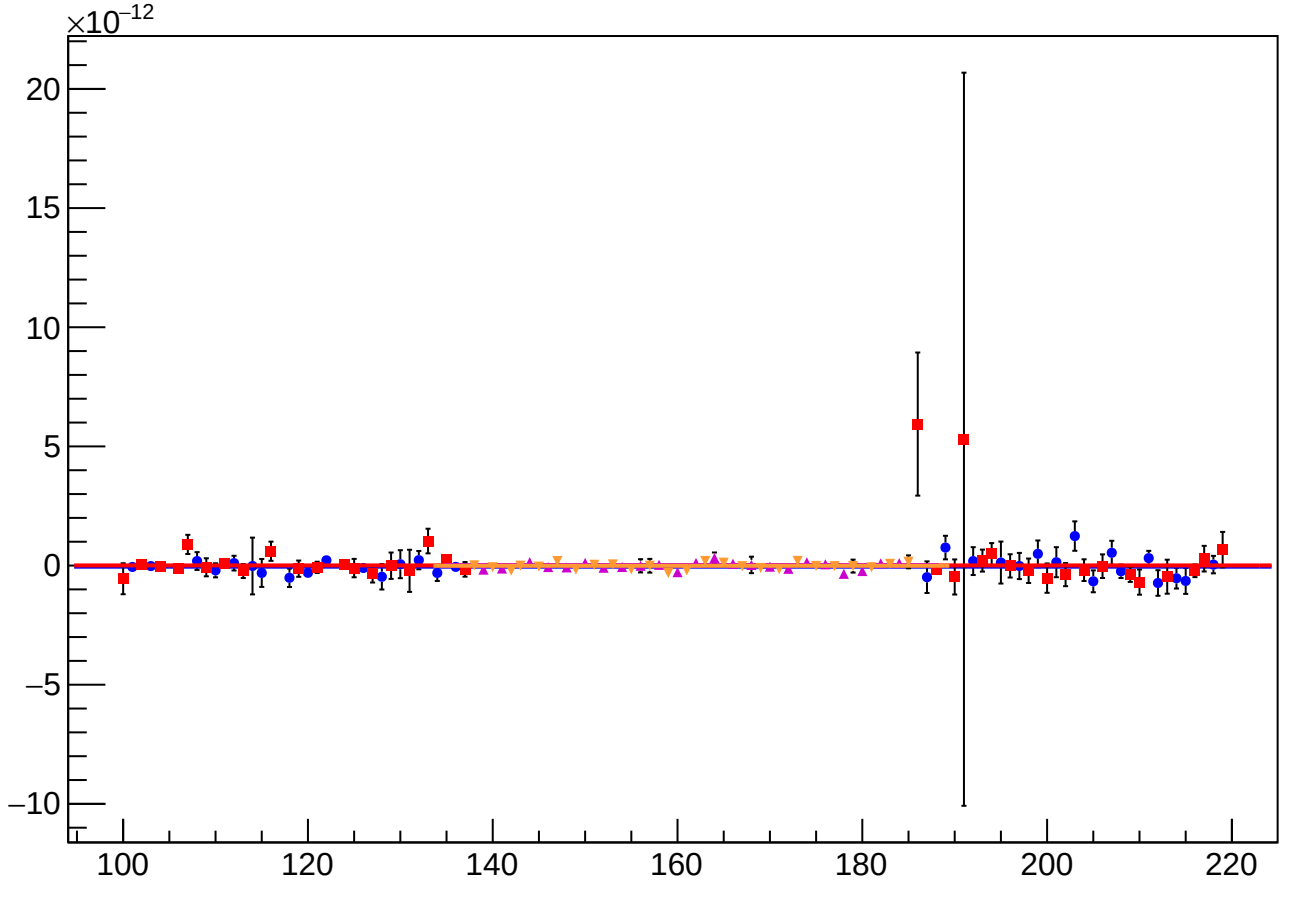
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3912.326+/-0.437 χ^2/NDF: 2662495.3/68

In: 4234.709+/-0.492 χ^2/NDF:2723184.1/54

Out: 4169.323+/-0.474 χ^2/NDF:3387345.7/61

All: 4200.770+/-0.341 χ^2/NDF: 6119690.6/11



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/36

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

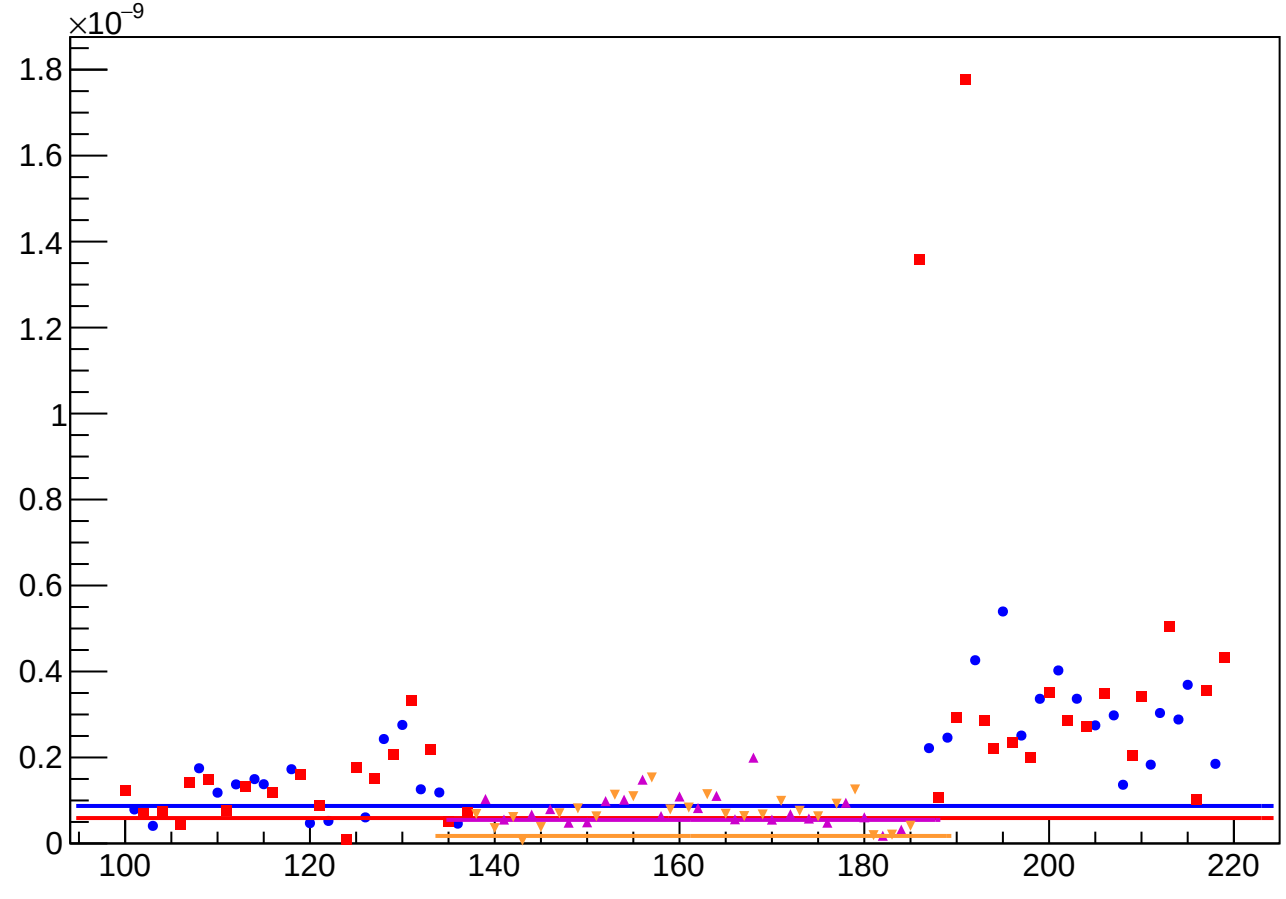
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 59.7/68

In: 0.000+/-0.000 χ^2/NDF:54.1/54

Out: -0.000+/-0.000 χ^2/NDF:55.2/61

All: -0.000+/-0.000 χ^2/NDF: 109.5/116



Right In: 0.000+/-0.000 χ^2/NDF: 7291086.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10536055.8/36

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

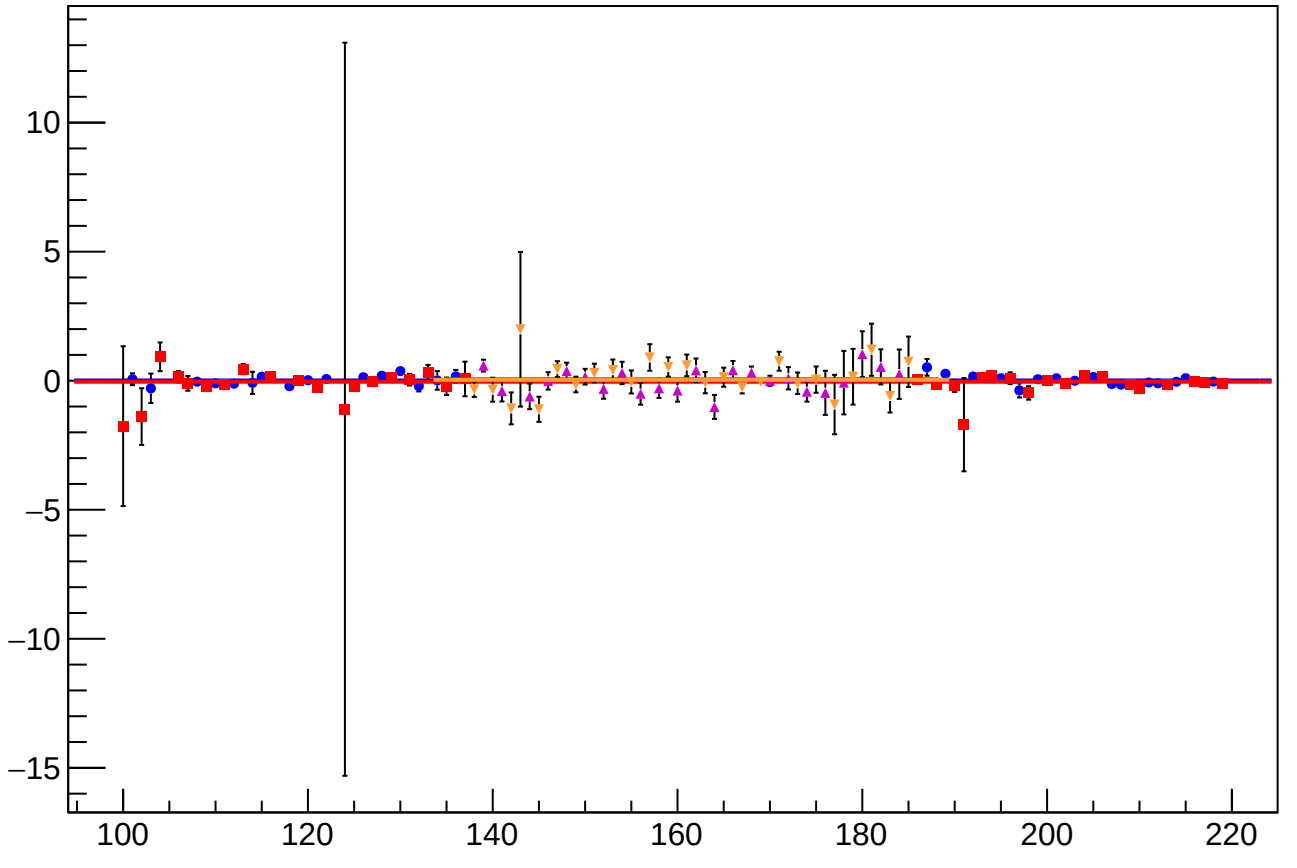
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 18379655.5/68

In: 0.000+/-0.000 χ^2/NDF:11006747.9/54

Out: 0.000+/-0.000 χ^2/NDF:22137643.3/61

All: 0.000+/-0.000 χ^2/NDF: 39372394.9/116



Right In: 0.009+/-0.028 χ^2/NDF: 26.1/31

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.039+/-0.027 χ^2/NDF: 41.8/36

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

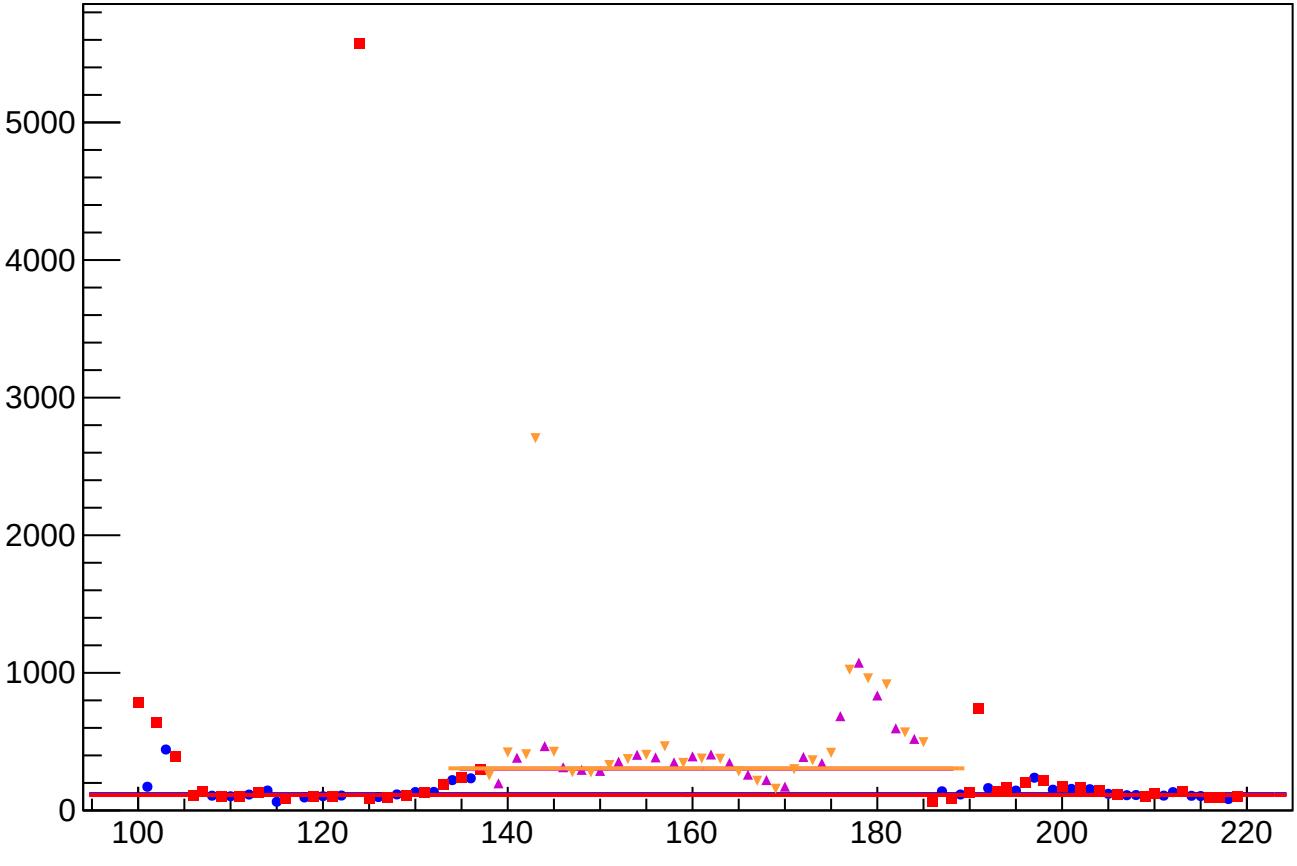
Right: -0.016+/-0.019 χ^2/NDF: 69.5/68

In: 0.015+/-0.027 χ^2/NDF:52.5/54

Out: -0.032+/-0.025 χ^2/NDF:73.1/61

All: -0.009+/-0.018 χ^2/NDF: 127.2/116

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 118.620+/-0.020 χ^2/NDF: 2976057.1/31

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 112.415+/-0.019 χ^2/NDF: 4668140.6/36

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

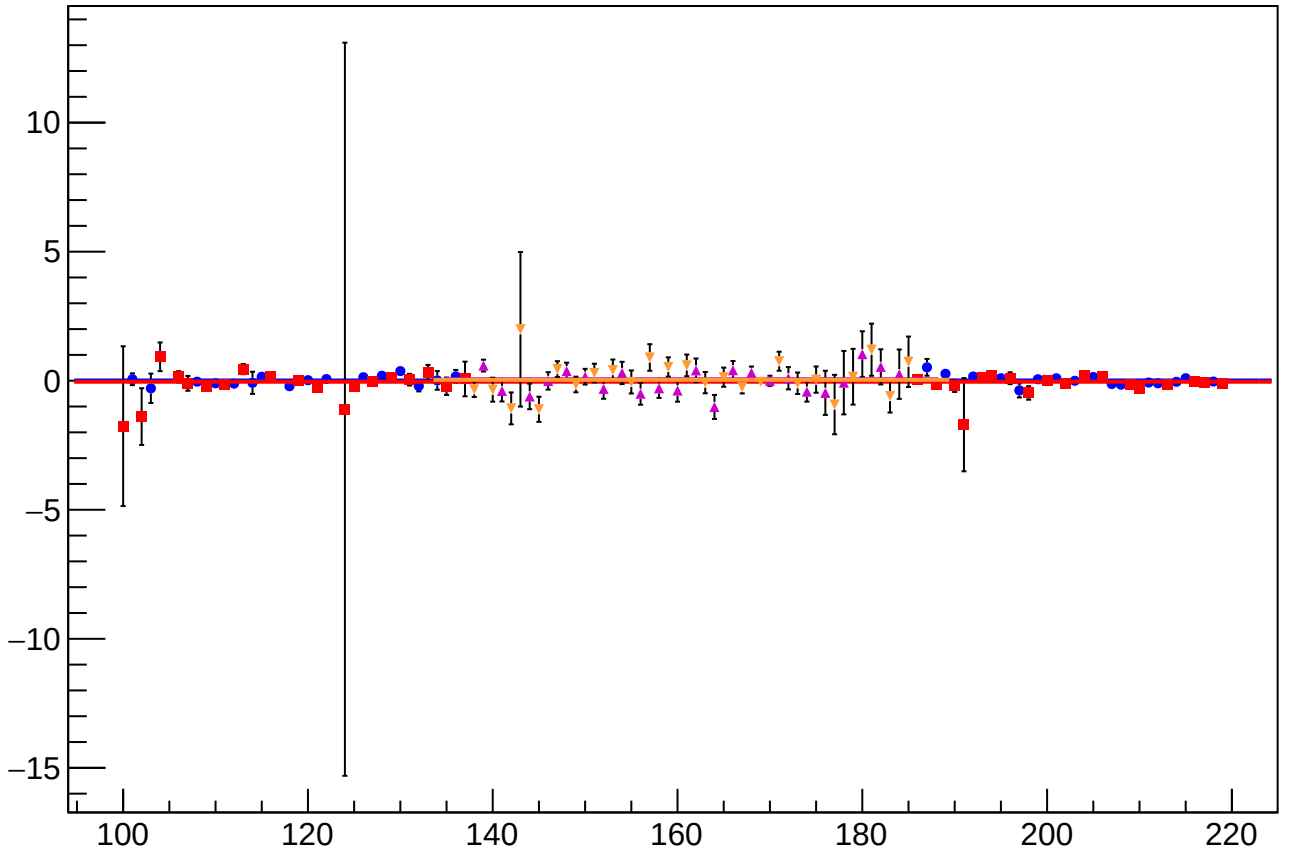
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 115.355+/-0.014 χ^2/NDF: 7694937.9/68

In: 140.381+/-0.019 χ^2/NDF:17856171.8/54

Out: 132.902+/-0.018 χ^2/NDF:22330399.1/61

All: 136.471+/-0.013 χ^2/NDF: 40269621.3/11



Right In: 0.009+/-0.028 χ^2/NDF: 26.1/31

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.039+/-0.027 χ^2/NDF: 41.8/36

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

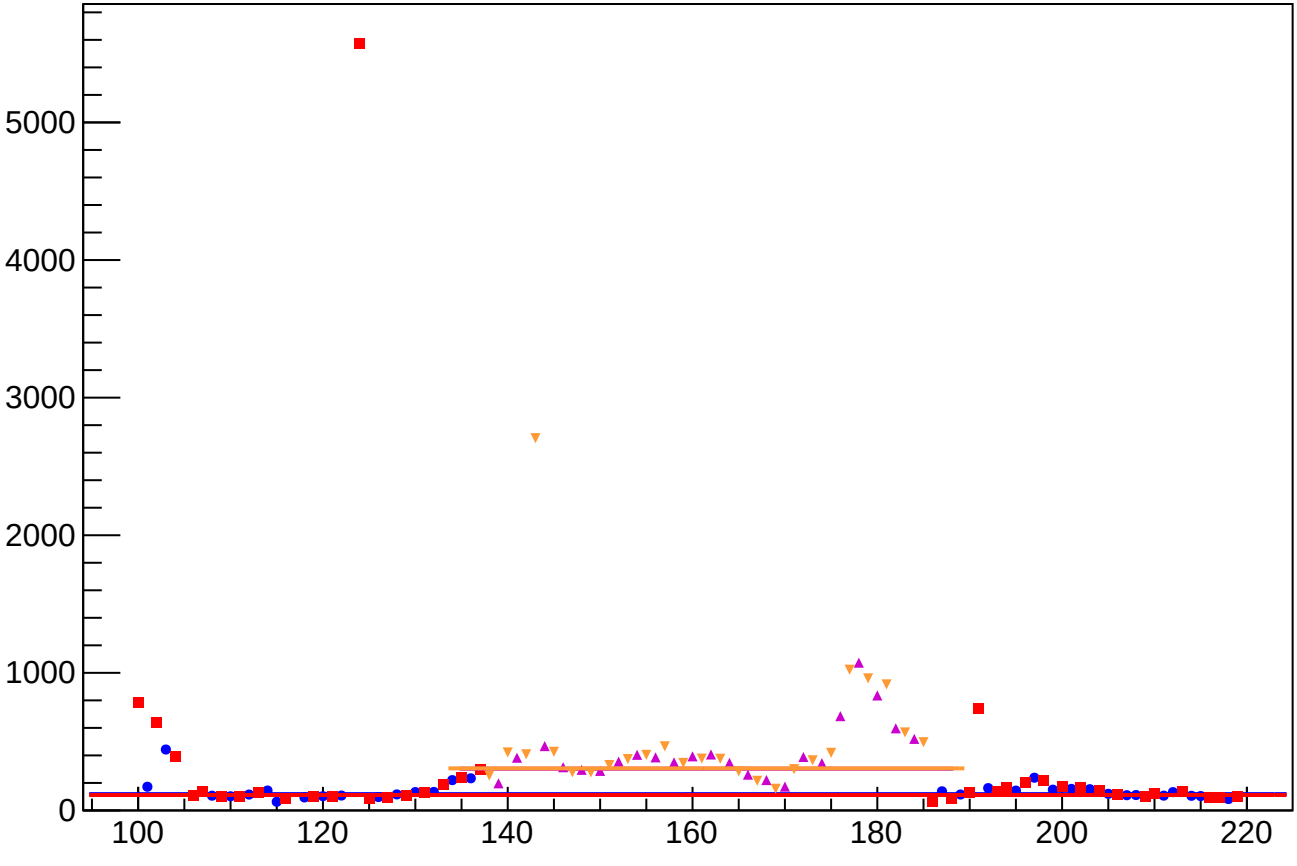
Right: -0.016+/-0.019 χ^2/NDF: 69.5/68

In: 0.015+/-0.027 χ^2/NDF:52.5/54

Out: -0.032+/-0.025 χ^2/NDF:73.1/61

All: -0.009+/-0.018 χ^2/NDF: 127.2/116

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 118.620+/-0.020 χ^2/NDF: 2976057.1/31

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 112.415+/-0.019 χ^2/NDF: 4668140.6/36

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

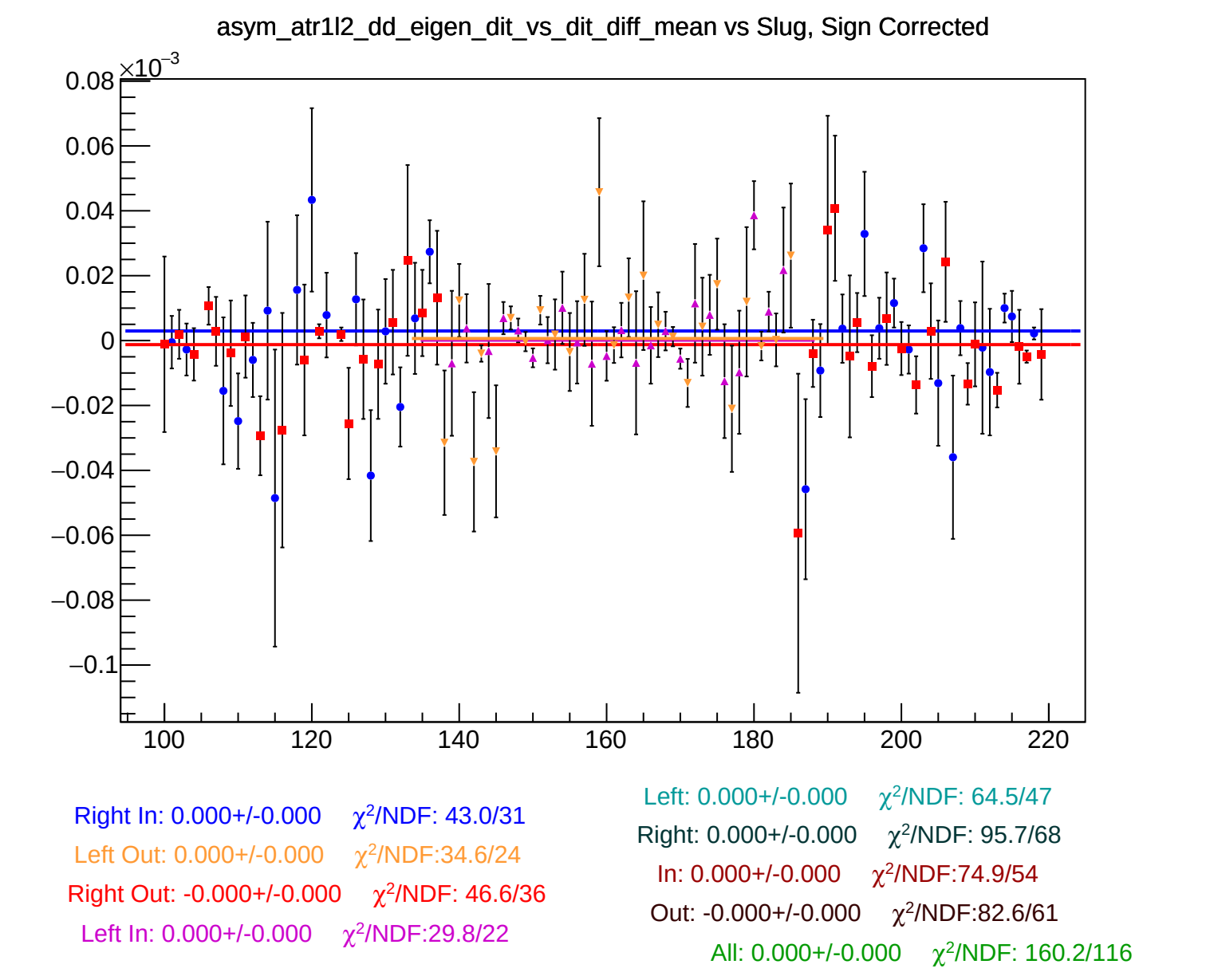
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

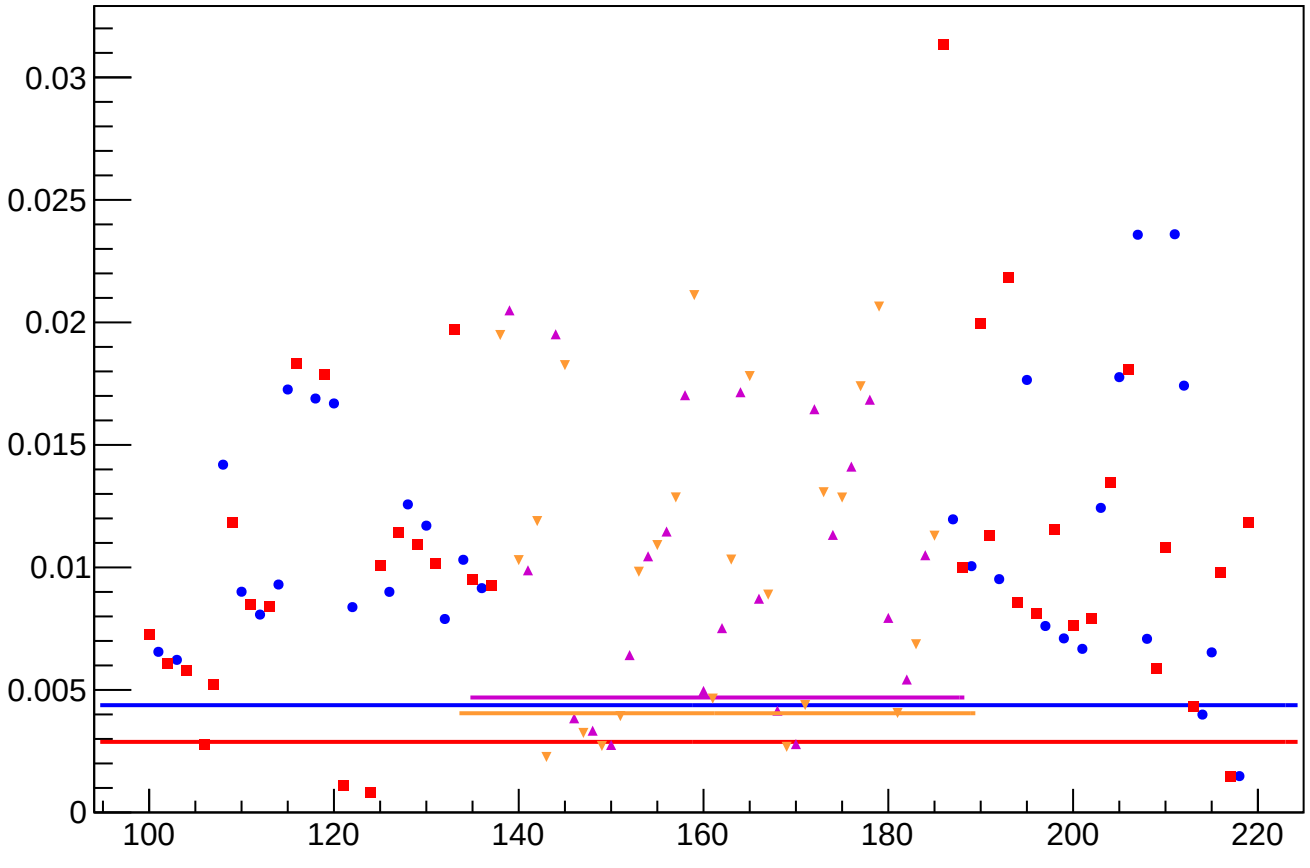
Right: 115.355+/-0.014 χ^2/NDF: 7694937.9/68

In: 140.381+/-0.019 χ^2/NDF:17856171.8/54

Out: 132.902+/-0.018 χ^2/NDF:22330399.1/61

All: 136.471+/-0.013 χ^2/NDF: 40269621.3/11


asym_atr1l2_dd_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
−0.06
−0.08
−0.1
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 43.0/31
Left Out: 0.000+/-0.000 χ²/NDF:34.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 46.6/36
Left In: 0.000+/-0.000 χ²/NDF:29.8/22
Left: 0.000+/-0.000 χ²/NDF: 64.5/47
Right: 0.000+/-0.000 χ²/NDF: 95.7/68
In: 0.000+/-0.000 χ²/NDF:74.9/54
Out: -0.000+/-0.000 χ²/NDF:82.6/61
All: 0.000+/-0.000 χ²/NDF: 160.2/116



Right In: 0.004+/-0.000 χ^2/NDF: 16882340.7/31

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 23031709.6/36

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

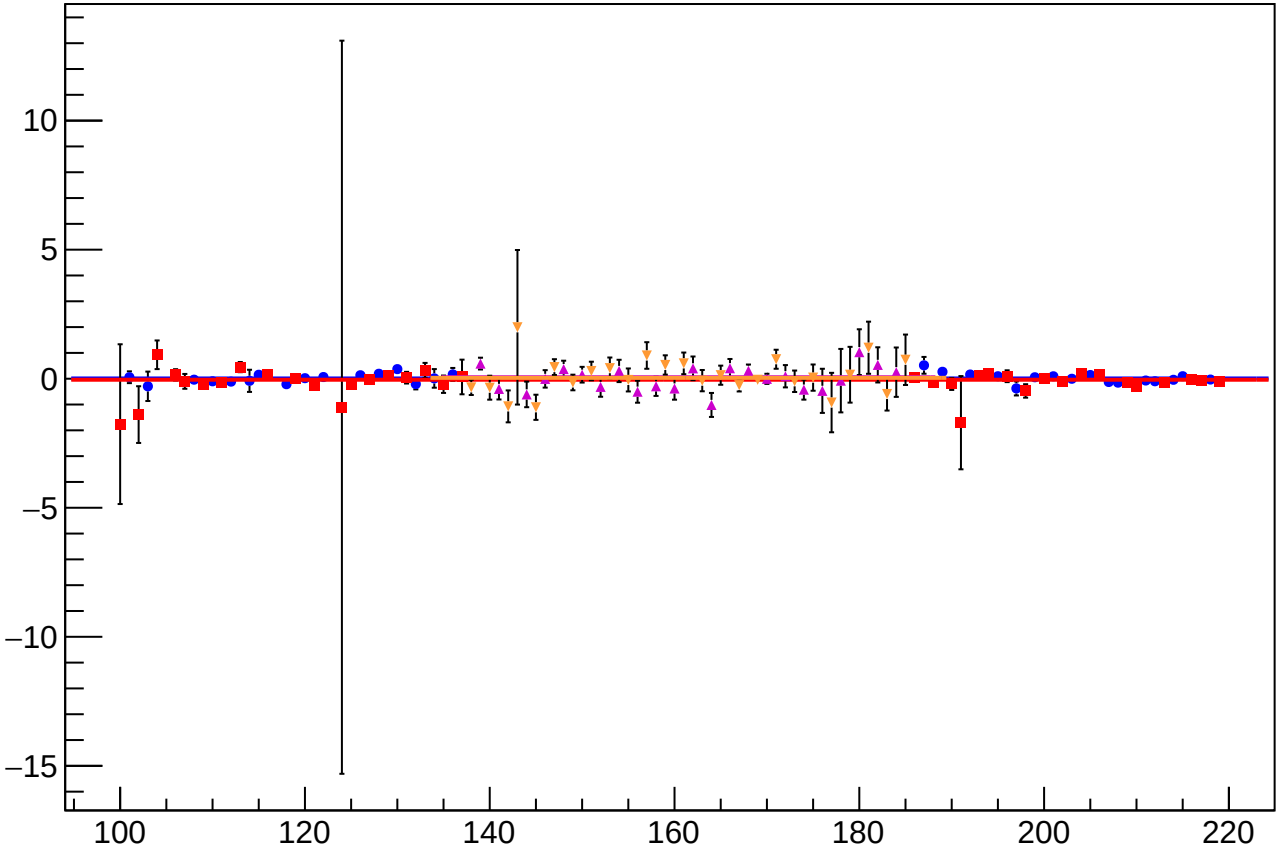
Right: 0.003+/-0.000 χ^2/NDF: 41484023.9/68

In: 0.005+/-0.000 χ^2/NDF:27793630.5/54

Out: 0.003+/-0.000 χ^2/NDF:37710752.9/61

All: 0.004+/-0.000 χ^2/NDF: 67273322.2/116

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.028 χ^2/NDF: 26.1/31

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.039+/-0.027 χ^2/NDF: 41.8/36

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

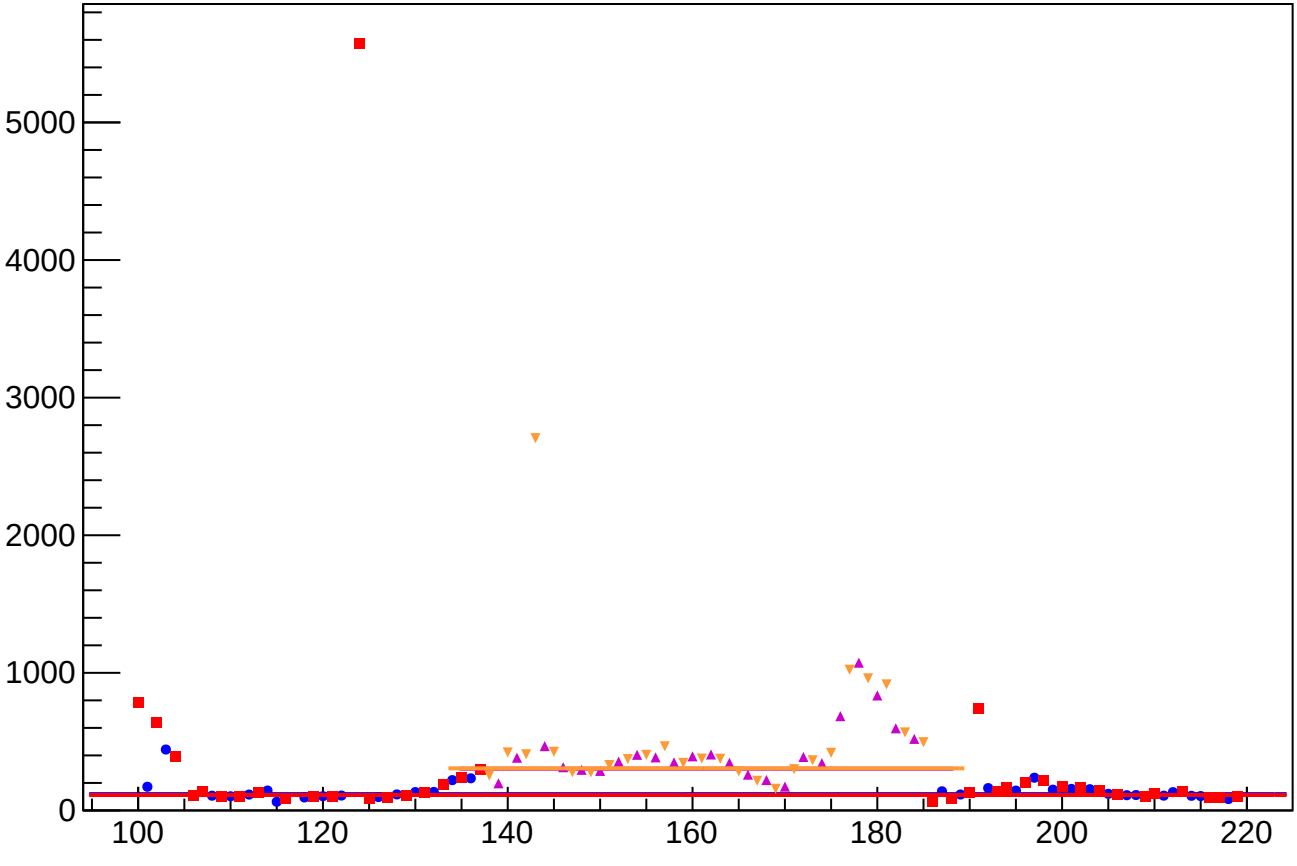
Right: -0.016+/-0.019 χ^2/NDF: 69.5/68

In: 0.015+/-0.027 χ^2/NDF:52.5/54

Out: -0.032+/-0.025 χ^2/NDF:73.1/61

All: -0.009+/-0.018 χ^2/NDF: 127.2/116

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 118.621+/-0.020 χ^2/NDF: 2976057.0/31

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 112.417+/-0.019 χ^2/NDF: 4667964.3/36

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

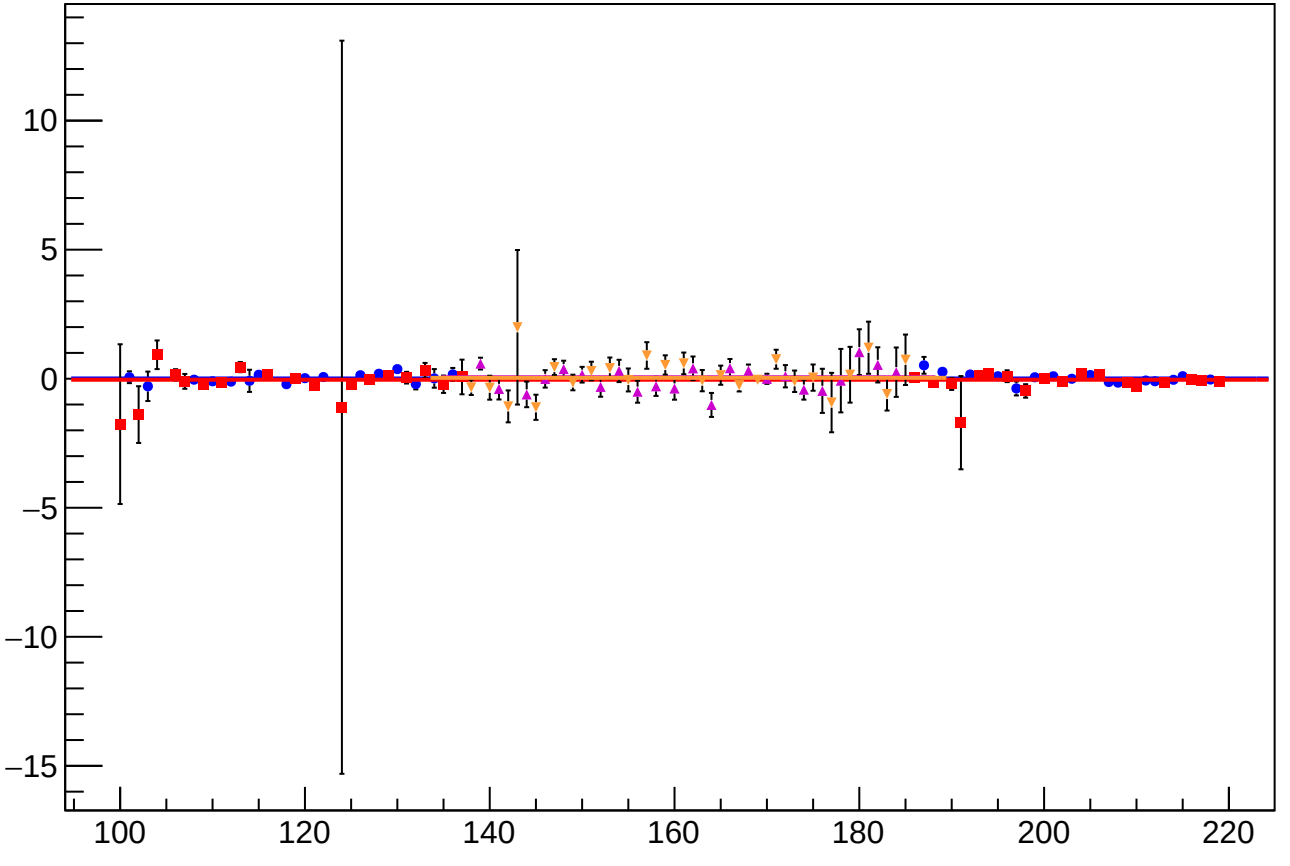
Right: 115.357+/-0.014 χ^2/NDF: 7694750.5/68

In: 140.382+/-0.019 χ^2/NDF:17856199.0/54

Out: 132.903+/-0.018 χ^2/NDF:22330175.4/61

All: 136.472+/-0.013 χ^2/NDF: 40269410.5/11

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.028 χ^2/NDF: 26.1/31

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.039+/-0.027 χ^2/NDF: 41.8/36

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

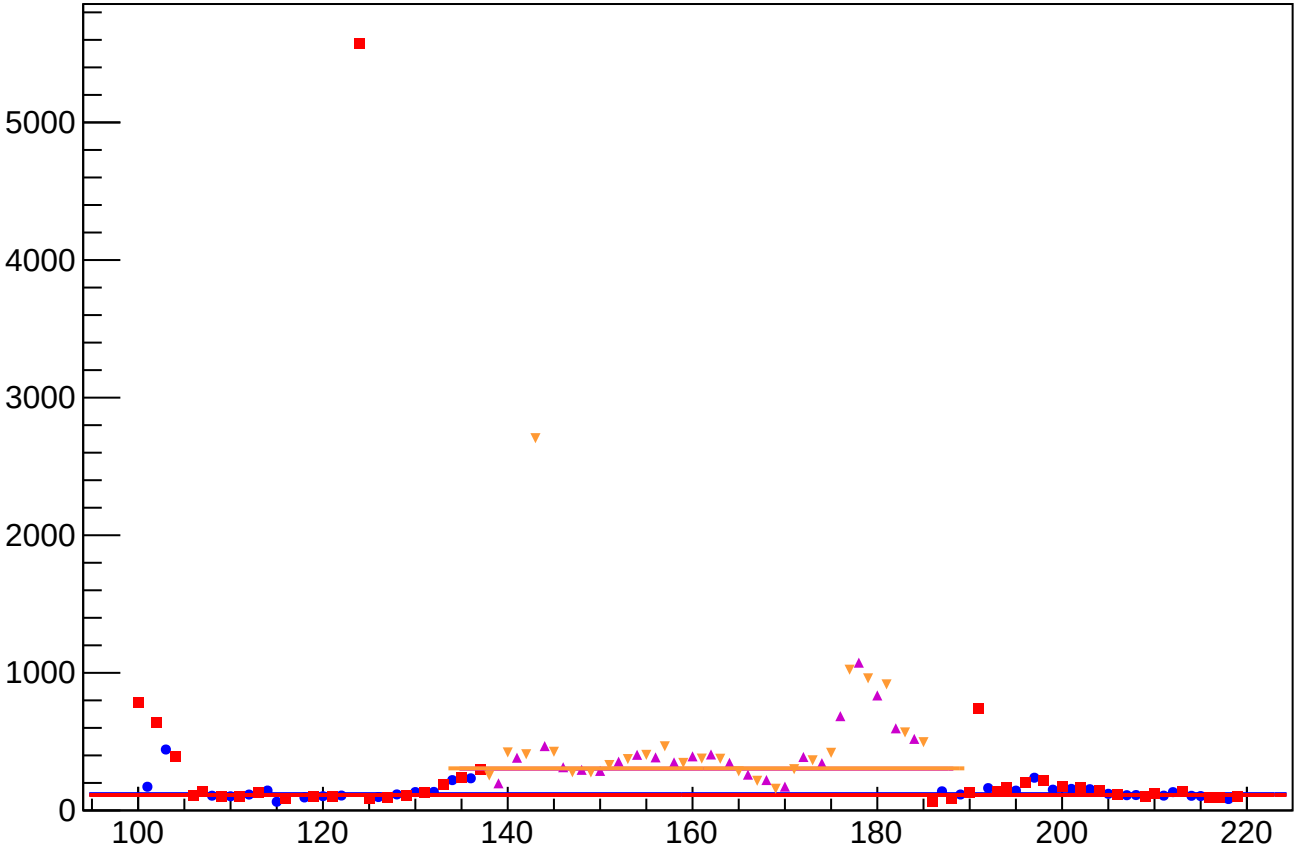
Right: -0.016+/-0.019 χ^2/NDF: 69.5/68

In: 0.015+/-0.027 χ^2/NDF:52.5/54

Out: -0.032+/-0.025 χ^2/NDF:73.1/61

All: -0.009+/-0.018 χ^2/NDF: 127.2/116

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 118.621+/-0.020 χ^2/NDF: 2976057.0/31

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 112.417+/-0.019 χ^2/NDF: 4667964.3/36

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

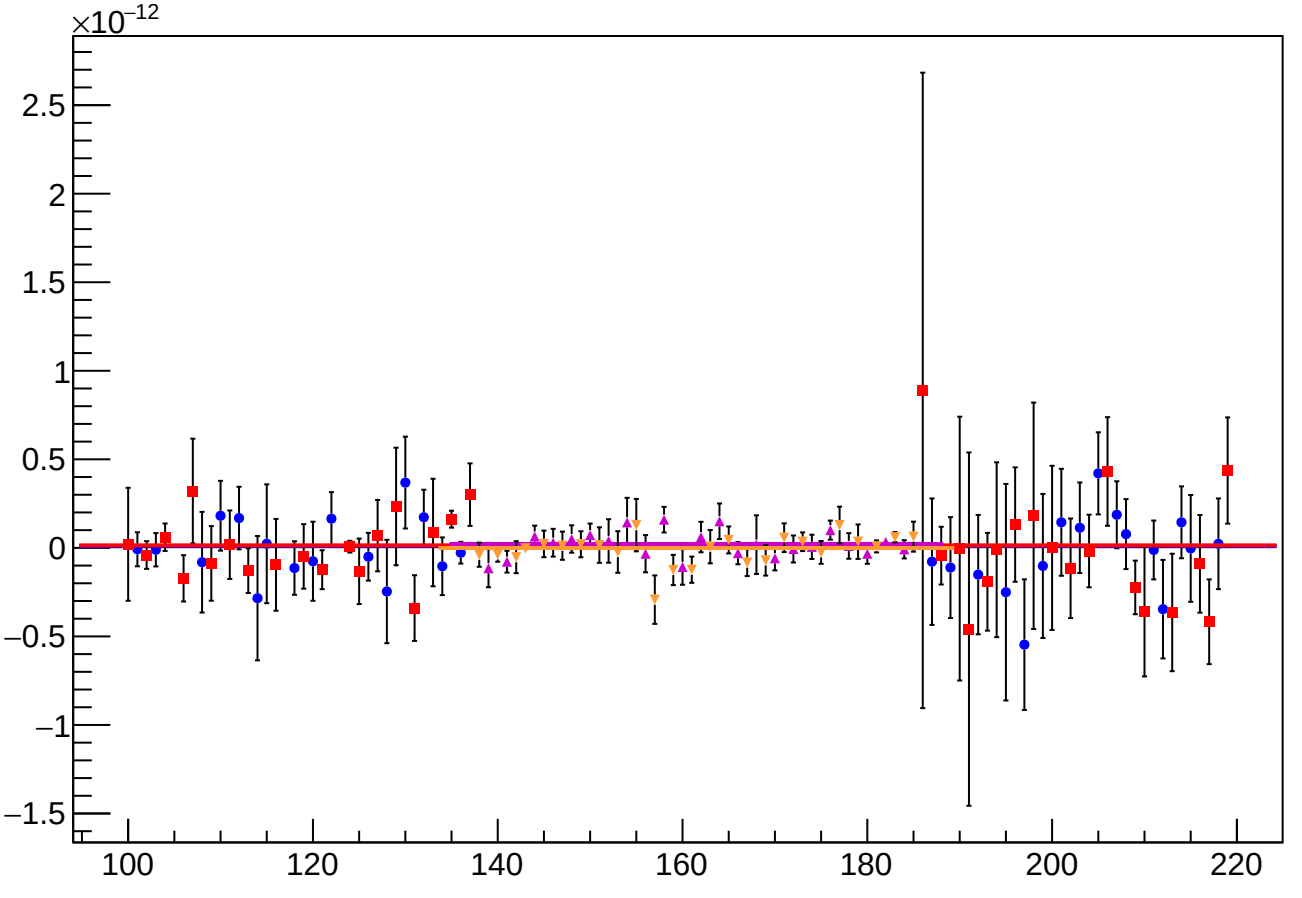
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 115.357+/-0.014 χ^2/NDF: 7694750.5/68

In: 140.382+/-0.019 χ^2/NDF:17856199.0/54

Out: 132.903+/-0.018 χ^2/NDF:22330175.4/61

All: 136.472+/-0.013 χ^2/NDF: 40269410.5/11



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.1/36

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

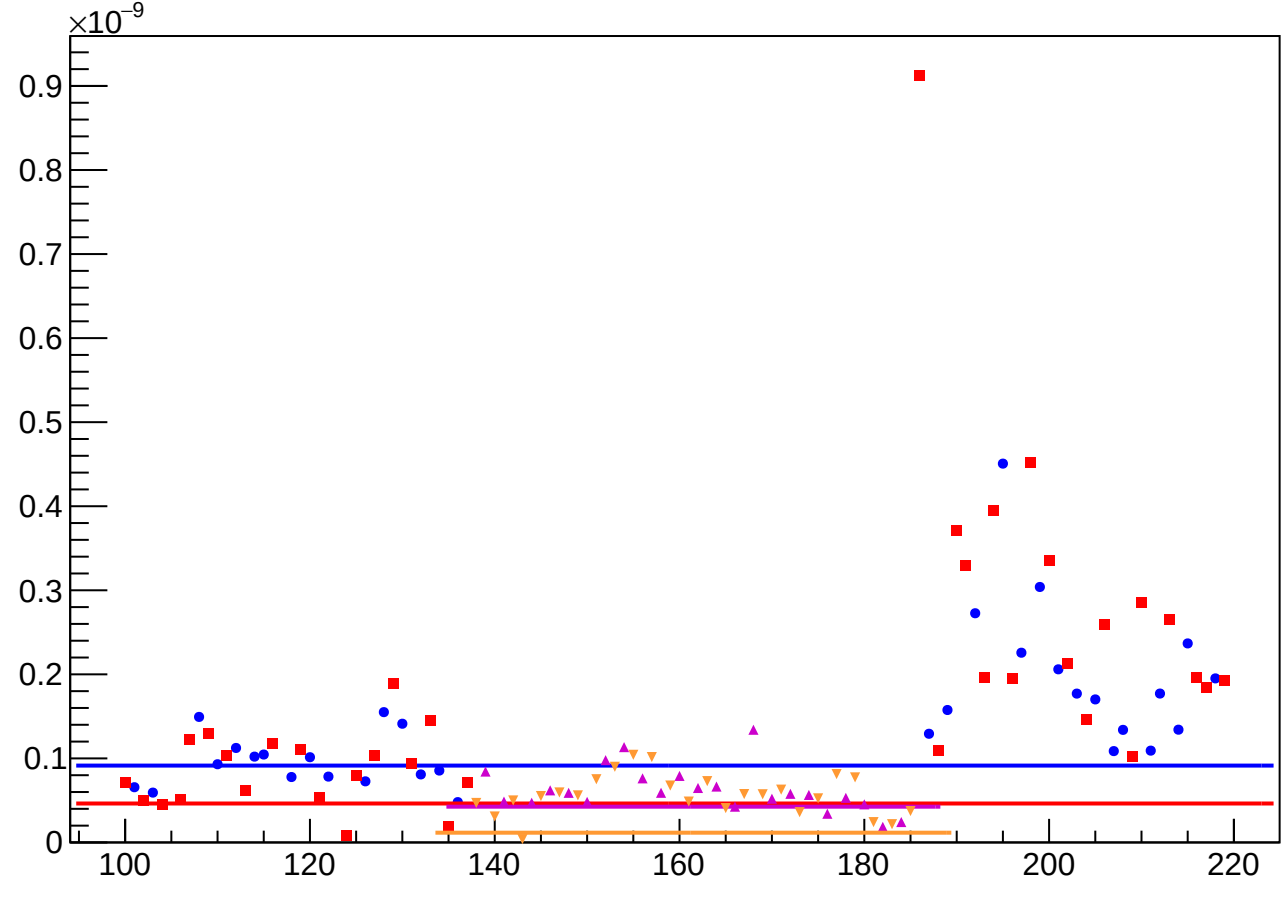
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 56.9/68

In: 0.000+/-0.000 χ^2/NDF:38.5/54

Out: 0.000+/-0.000 χ^2/NDF:60.6/61

All: 0.000+/-0.000 χ^2/NDF: 101.2/116



Right In: 0.000+/-0.000 χ^2/NDF: 5906096.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16063134.4/36

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

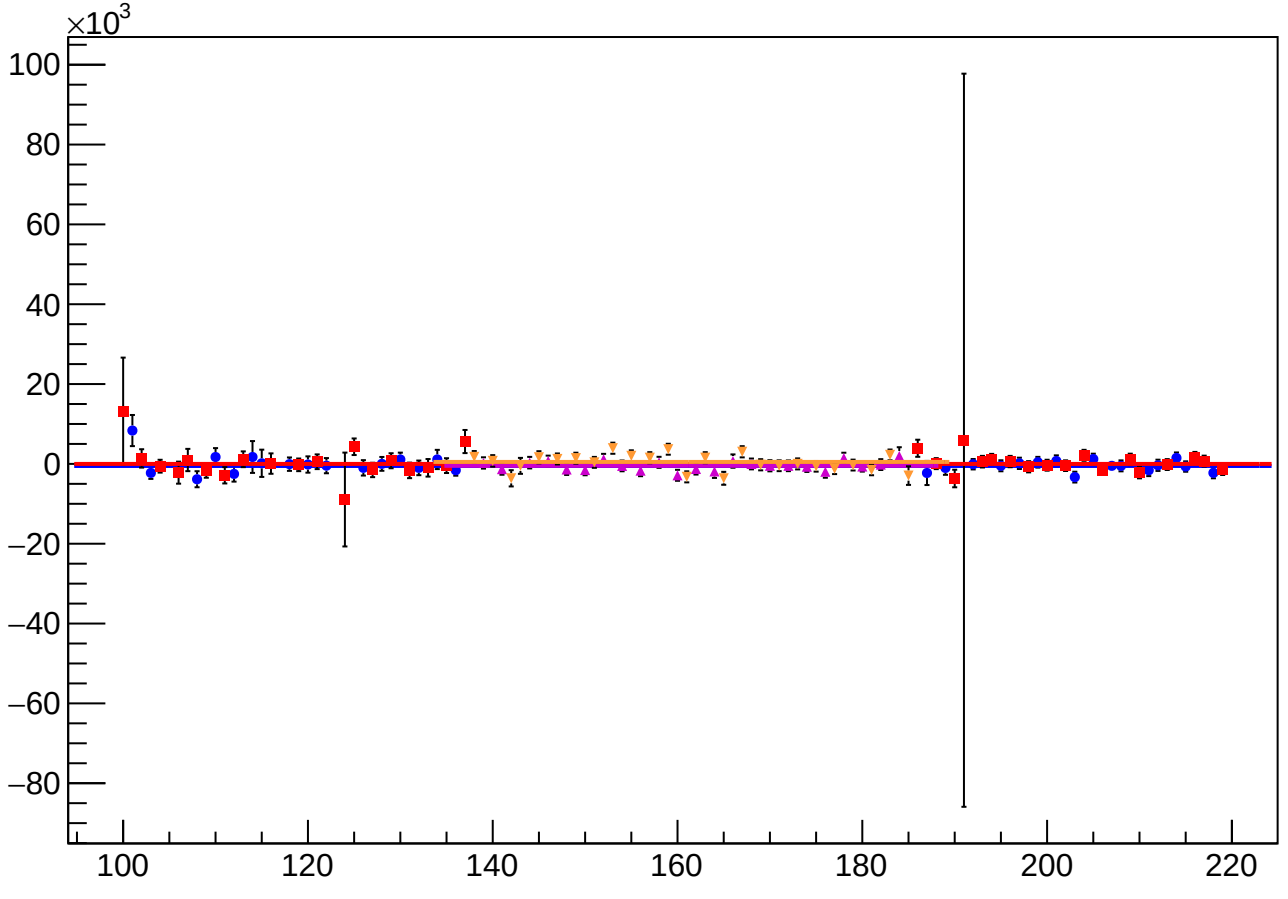
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 24996860.6/68

In: 0.000+/-0.000 χ^2/NDF:15689546.6/54

Out: 0.000+/-0.000 χ^2/NDF:39189498.9/61

All: 0.000+/-0.000 χ^2/NDF: 69417018.0/116



Right In: -518.956+/-286.661 χ^2/NDF: 26.2/31

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -10.411+/-281.970 χ^2/NDF: 33.5/36

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

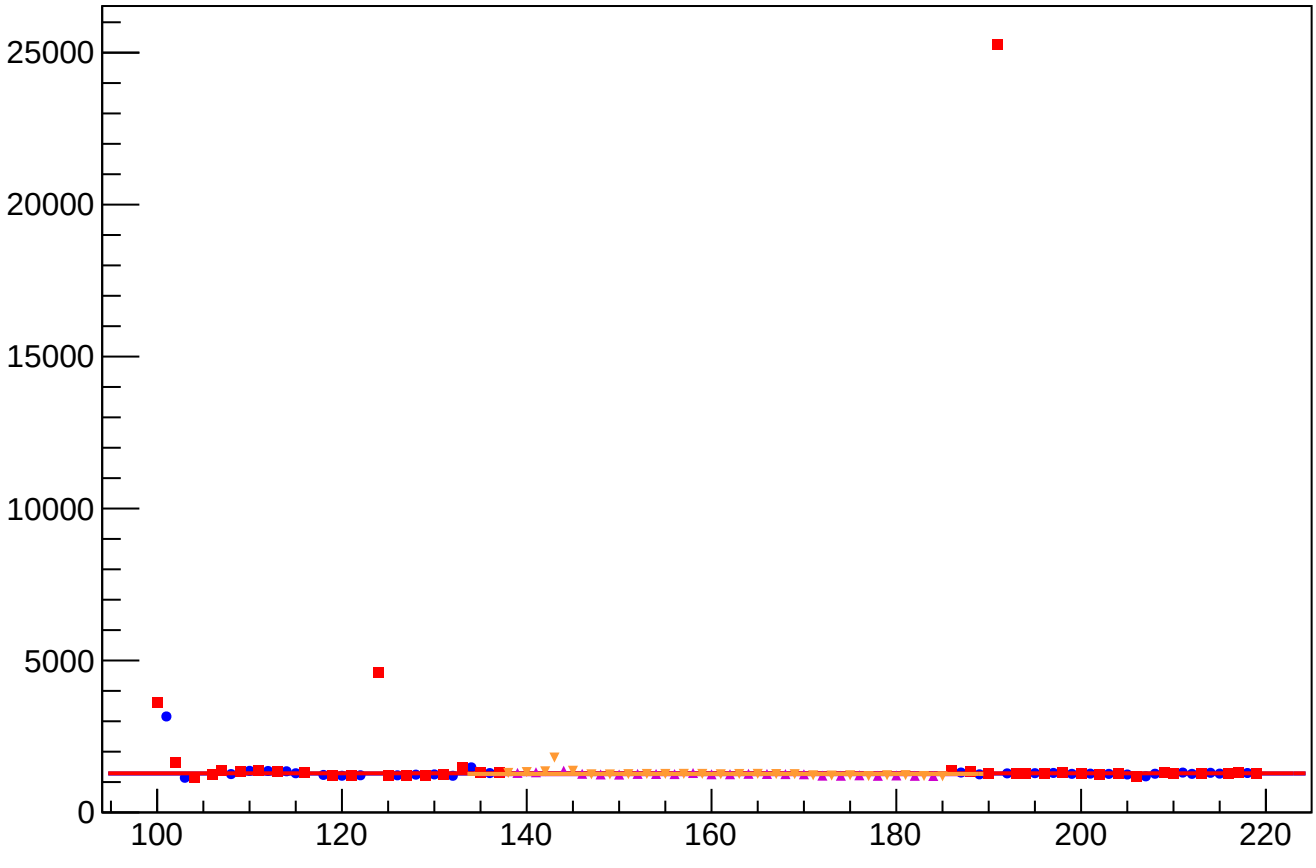
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -260.488+/-201.021 χ^2/NDF: 61.3/68

In: -503.282+/-205.167 χ^2/NDF:40.6/54

Out: 235.079+/-201.650 χ^2/NDF:81.9/61

All: -127.719+/-143.816 χ^2/NDF: 129.1/116



Right In: 1279.520+/-0.203 χ^2/NDF: 530618.1/31

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.492+/-0.199 χ^2/NDF: 483574.3/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

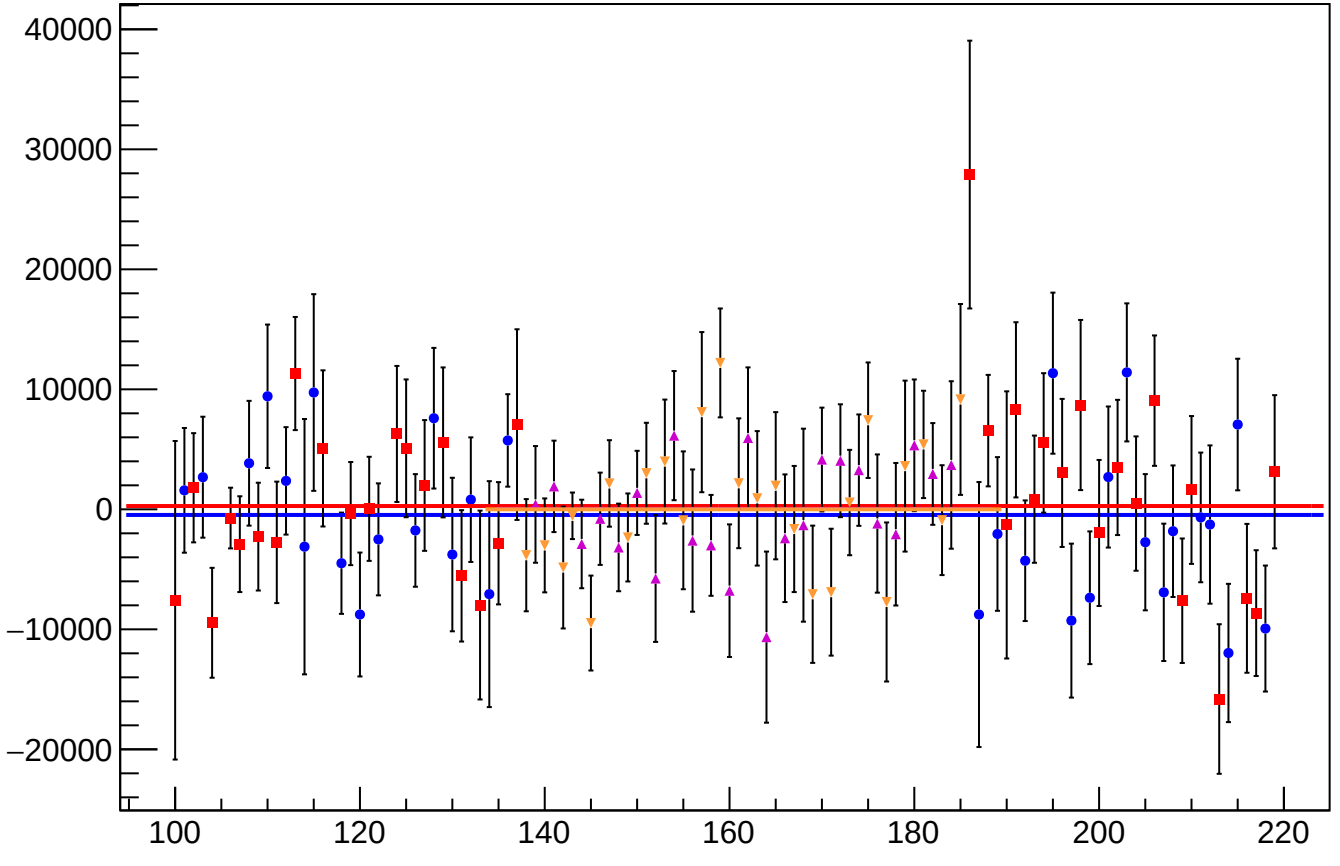
Right: 1284.084+/-0.142 χ^2/NDF: 1015189.0/68

In: 1268.805+/-0.145 χ^2/NDF:573163.6/54

Out: 1277.985+/-0.143 χ^2/NDF:676818.5/61

All: 1273.476+/-0.102 χ^2/NDF: 1252019.9/11

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -468.160+/-984.534 χ^2/NDF: 38.0/31

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 274.259+/-875.989 χ^2/NDF: 46.8/36

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

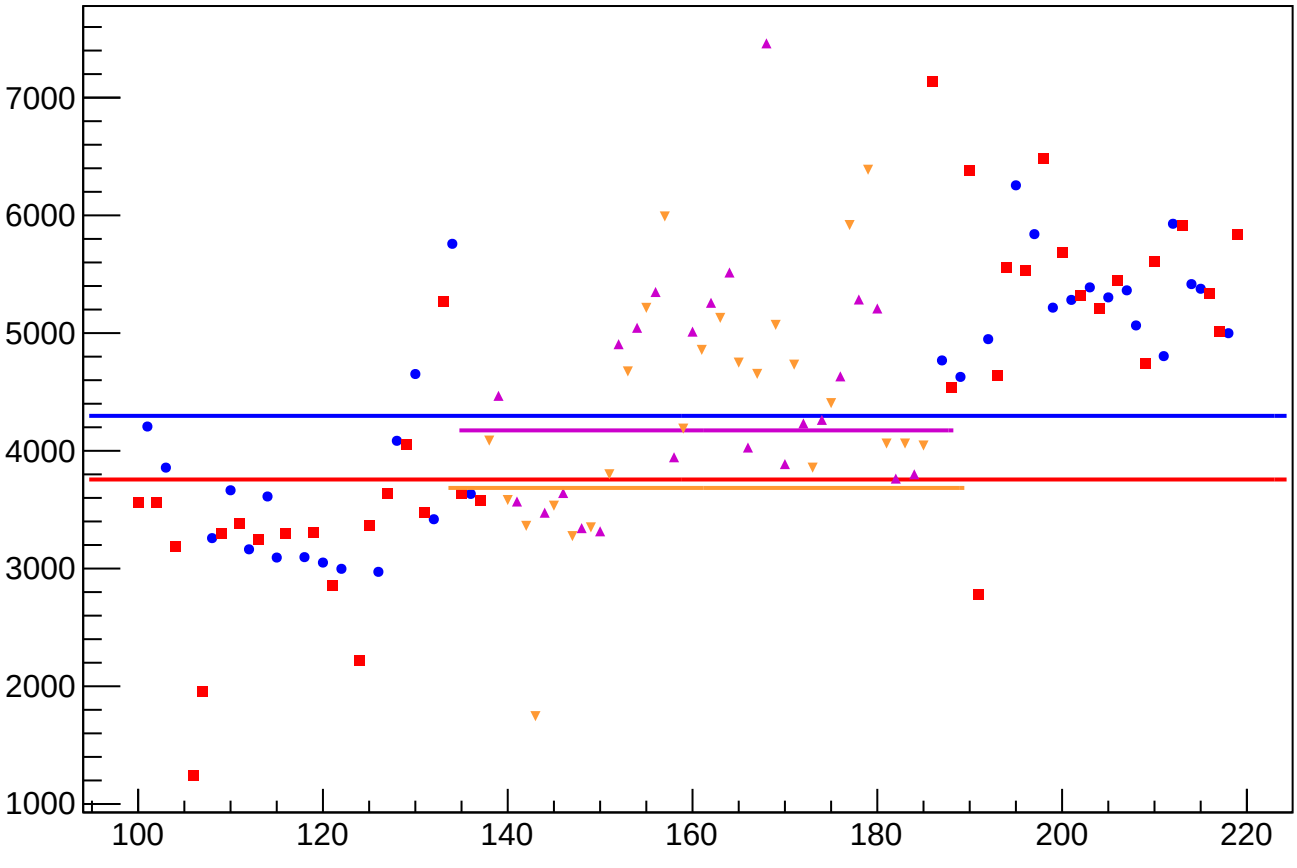
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: -53.784+/-654.442 χ^2/NDF: 85.1/68

In: -221.013+/-699.963 χ^2/NDF:52.1/54

Out: 138.465+/-623.096 χ^2/NDF:75.9/61

All: -20.460+/-465.408 χ^2/NDF: 128.2/116



Right In: 4297.027+/-0.696 χ^2/NDF: 2076361.0/31

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3756.437+/-0.619 χ^2/NDF: 5567877.2/36

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

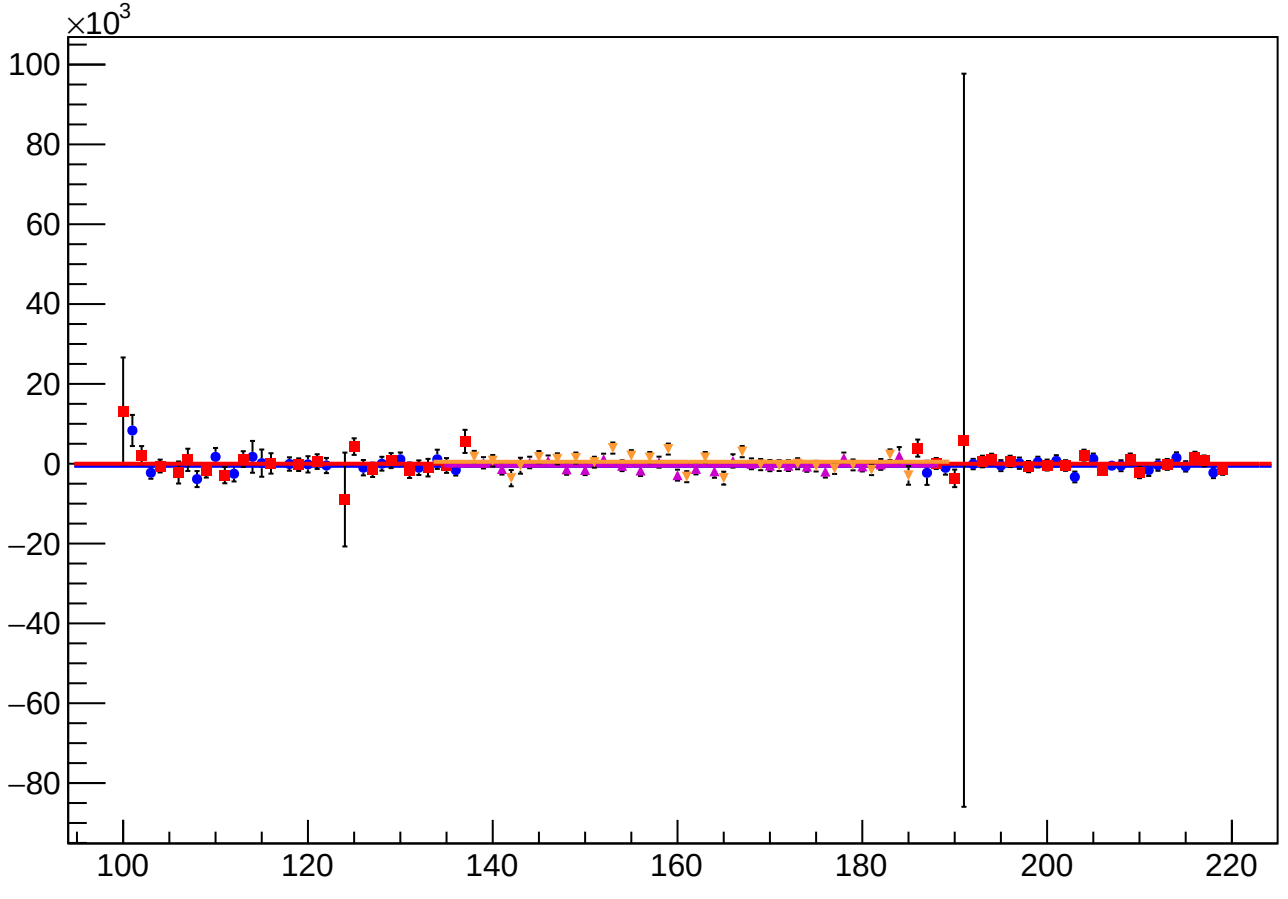
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3995.300+/-0.463 χ^2/NDF: 7980789.0/68

In: 4235.966+/-0.495 χ^2/NDF:3366885.3/54

Out: 3721.030+/-0.441 χ^2/NDF:9268137.7/61

All: 3948.682+/-0.329 χ^2/NDF: 13238895.4/1



Right In: -519.082+/-286.661 χ^2/NDF: 26.2/31

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

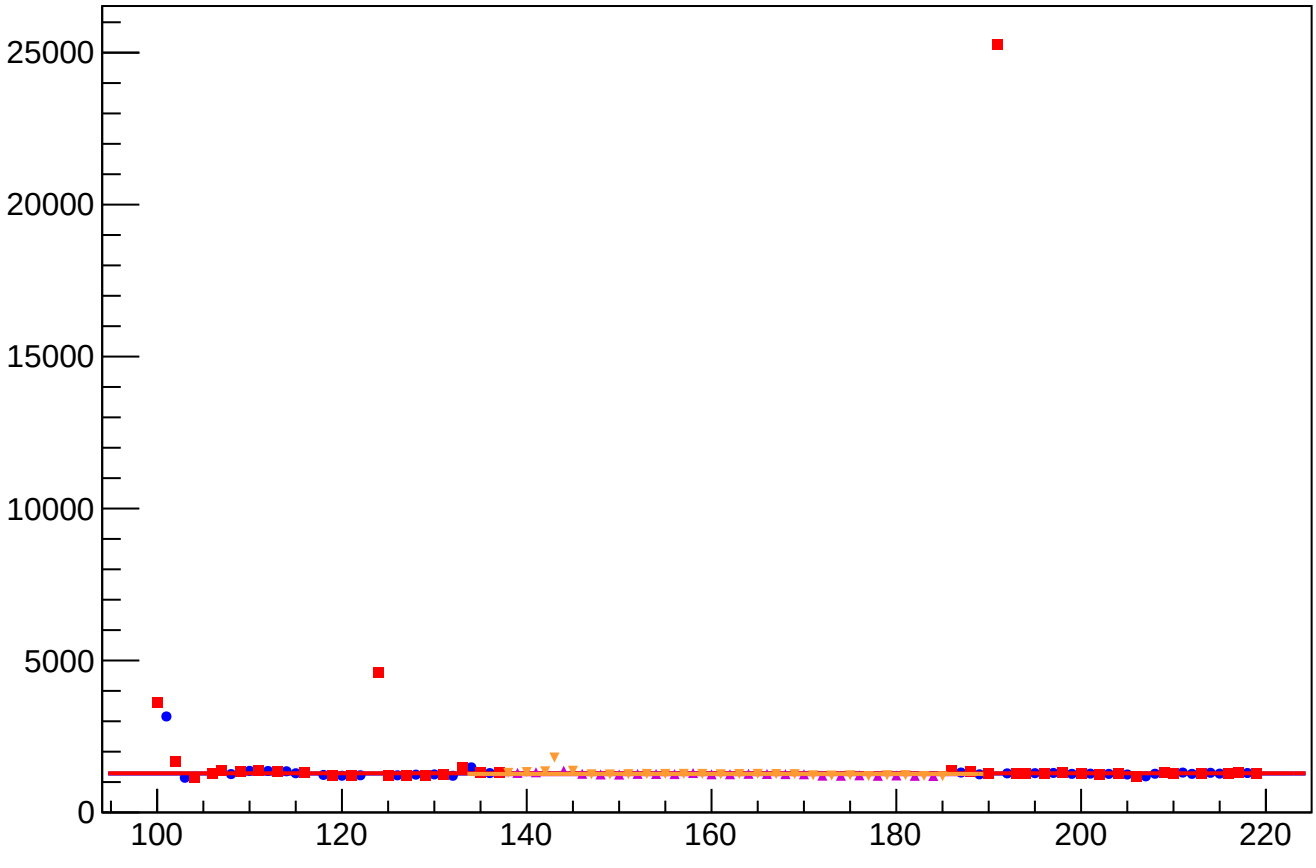
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -255.683+/-201.044 χ^2/NDF: 61.8/68

In: -503.297+/-205.167 χ^2/NDF:40.6/54

Out: 240.098+/-201.673 χ^2/NDF:82.3/61

All: -125.216+/-143.824 χ^2/NDF: 129.6/116



Right In: 1279.520+/-0.203 χ^2/NDF: 530619.5/31

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

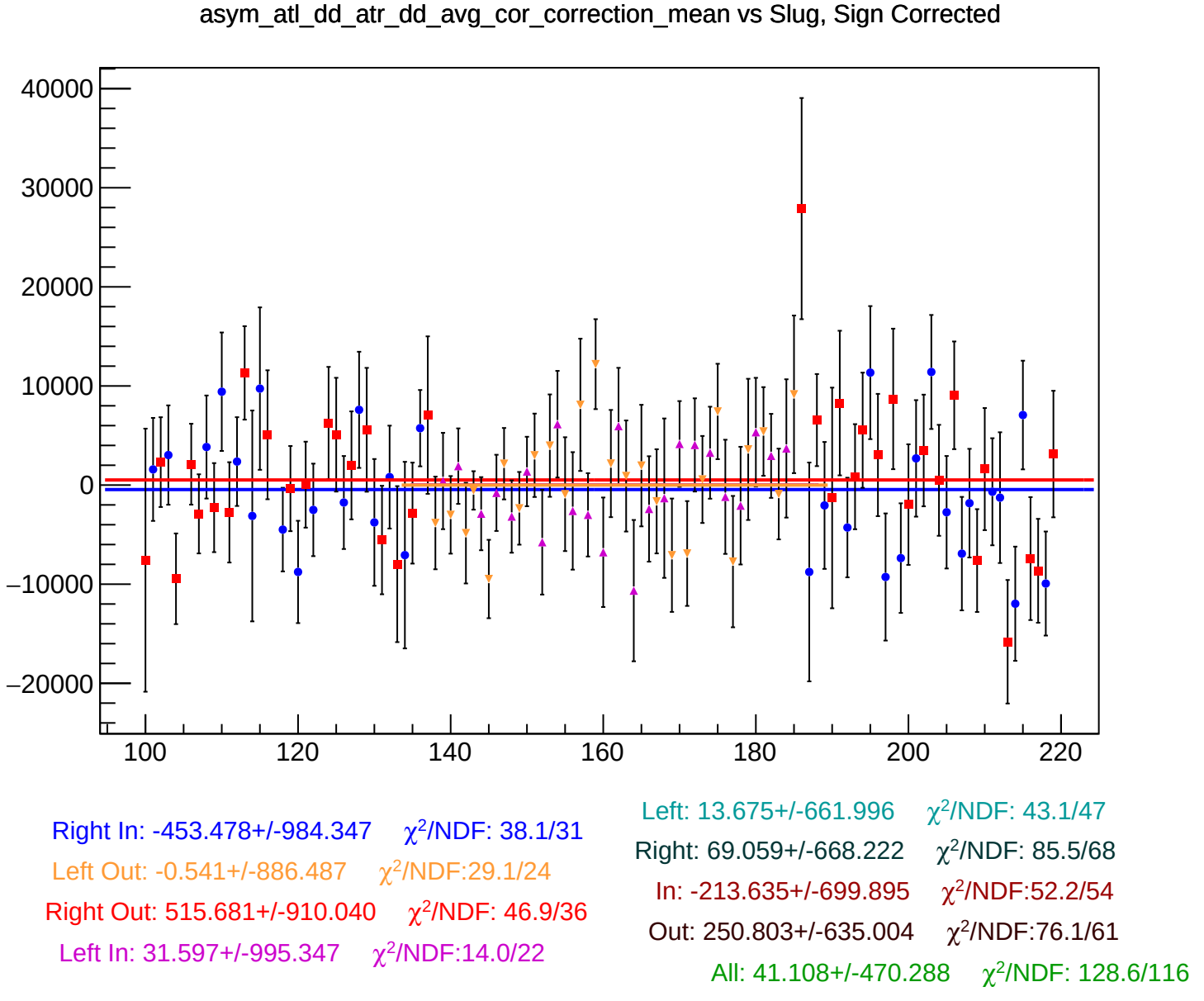
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

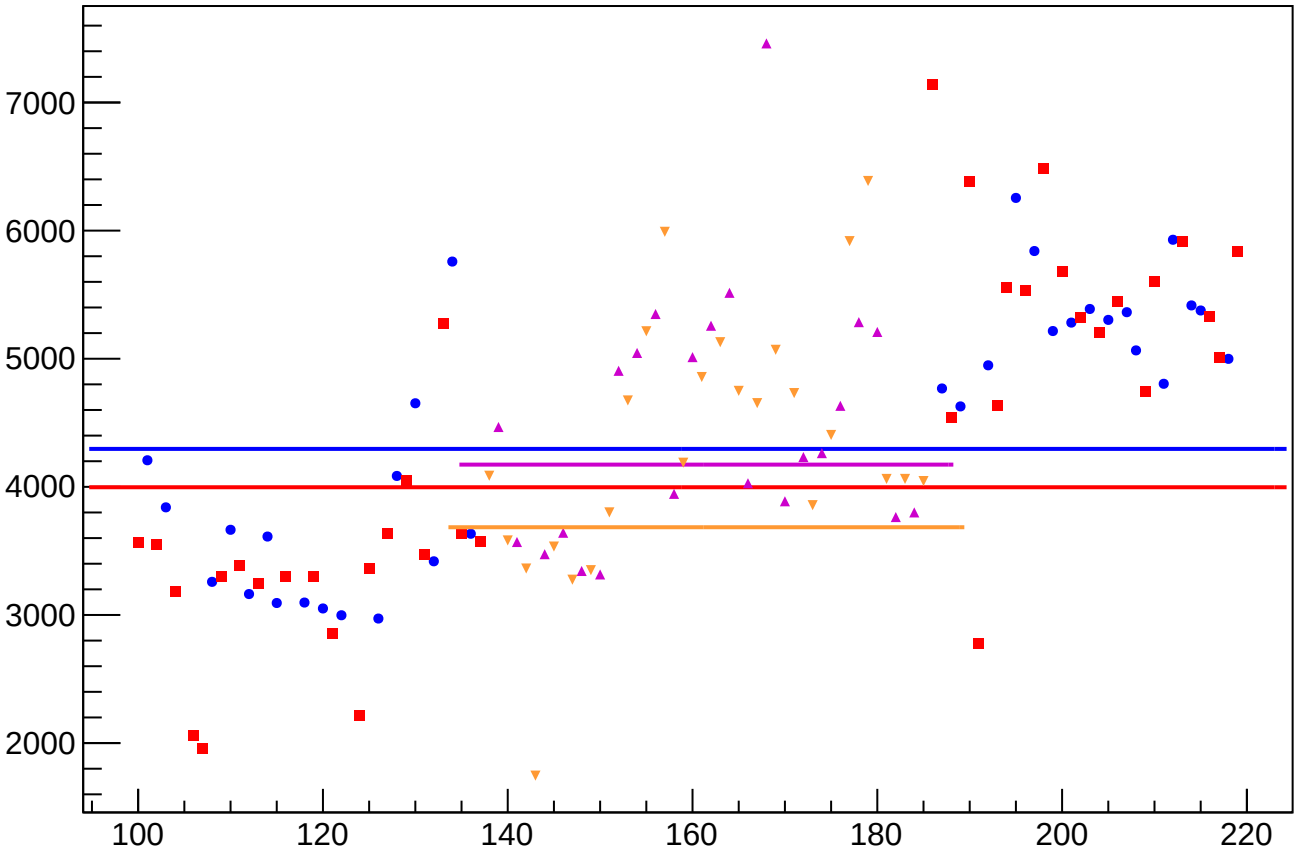
Right: 1284.422+/-0.142 χ^2/NDF: 1022245.2/68

In: 1268.805+/-0.145 χ^2/NDF:573165.0/54

Out: 1278.322+/-0.143 χ^2/NDF:684076.7/61

All: 1273.647+/-0.102 χ^2/NDF: 1259431.4/11


asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -453.478+/-984.347 χ²/NDF: 38.1/31
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 515.681+/-910.040 χ²/NDF: 46.9/36
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 69.059+/-668.222 χ²/NDF: 85.5/68
In: -213.635+/-699.895 χ²/NDF:52.2/54
Out: 250.803+/-635.004 χ²/NDF:76.1/61
All: 41.108+/-470.288 χ²/NDF: 128.6/116



Right In: 4296.223+/-0.696 χ^2/NDF: 2077743.5/31

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

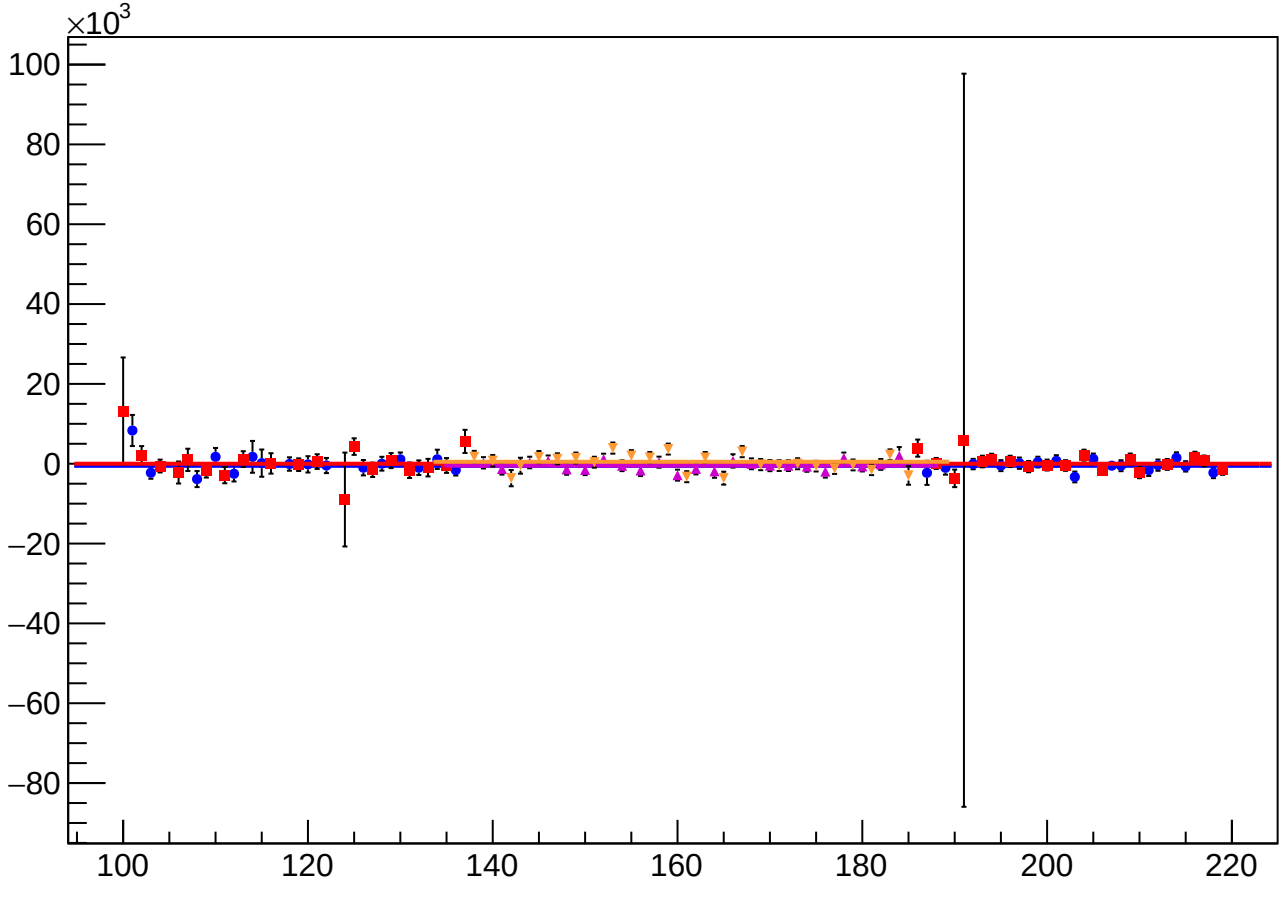
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4134.824+/-0.473 χ^2/NDF: 5974695.2/68

In: 4235.568+/-0.495 χ^2/NDF:3368069.4/54

Out: 3836.726+/-0.449 χ^2/NDF:7611620.2/61

All: 4016.805+/-0.333 χ^2/NDF: 11335926.5/1



Right In: -519.082+/-286.661 χ^2/NDF: 26.2/31

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

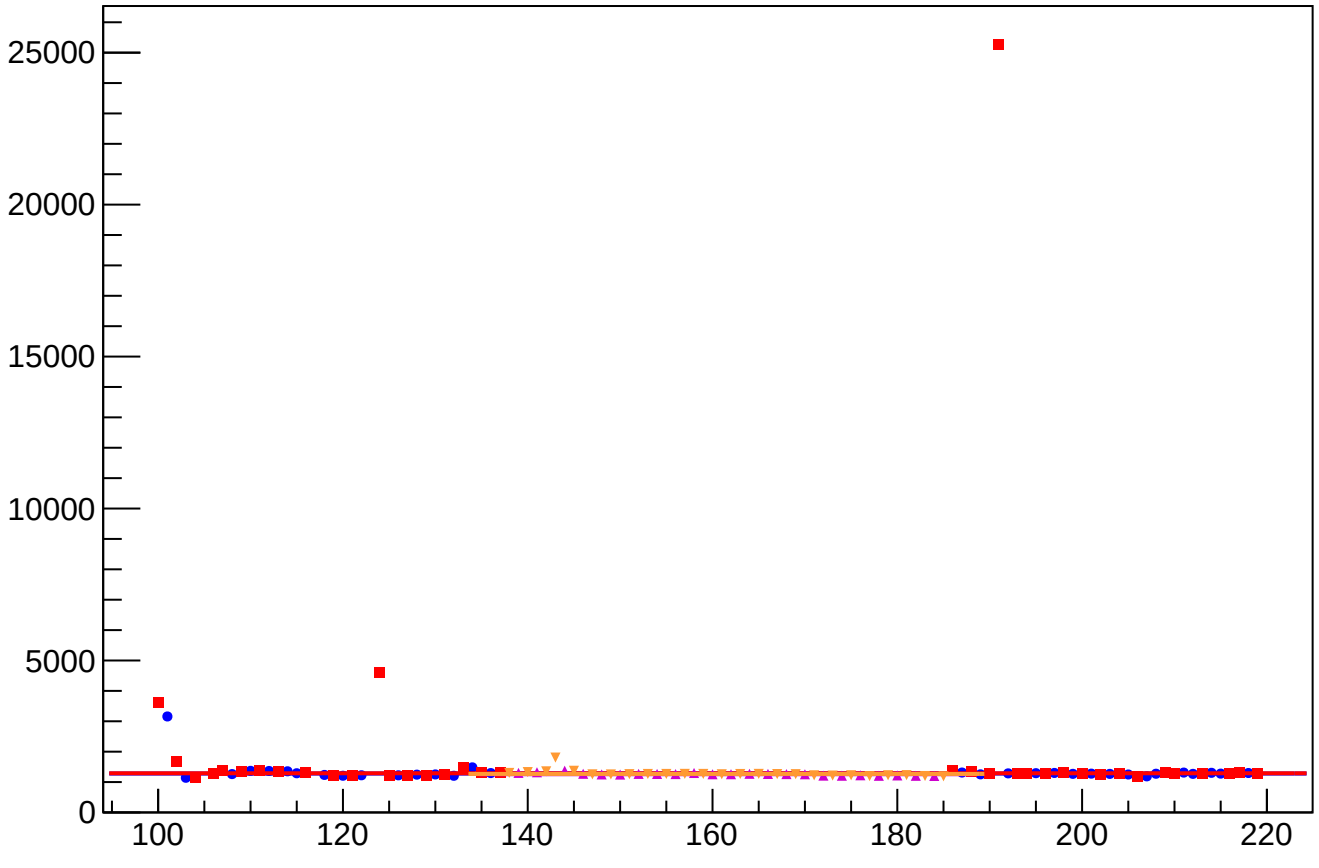
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -255.683+/-201.044 χ^2/NDF: 61.8/68

In: -503.297+/-205.167 χ^2/NDF:40.6/54

Out: 240.098+/-201.673 χ^2/NDF:82.3/61

All: -125.216+/-143.824 χ^2/NDF: 129.6/116



Right In: 1279.520+/-0.203 χ^2/NDF: 530619.5/31

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

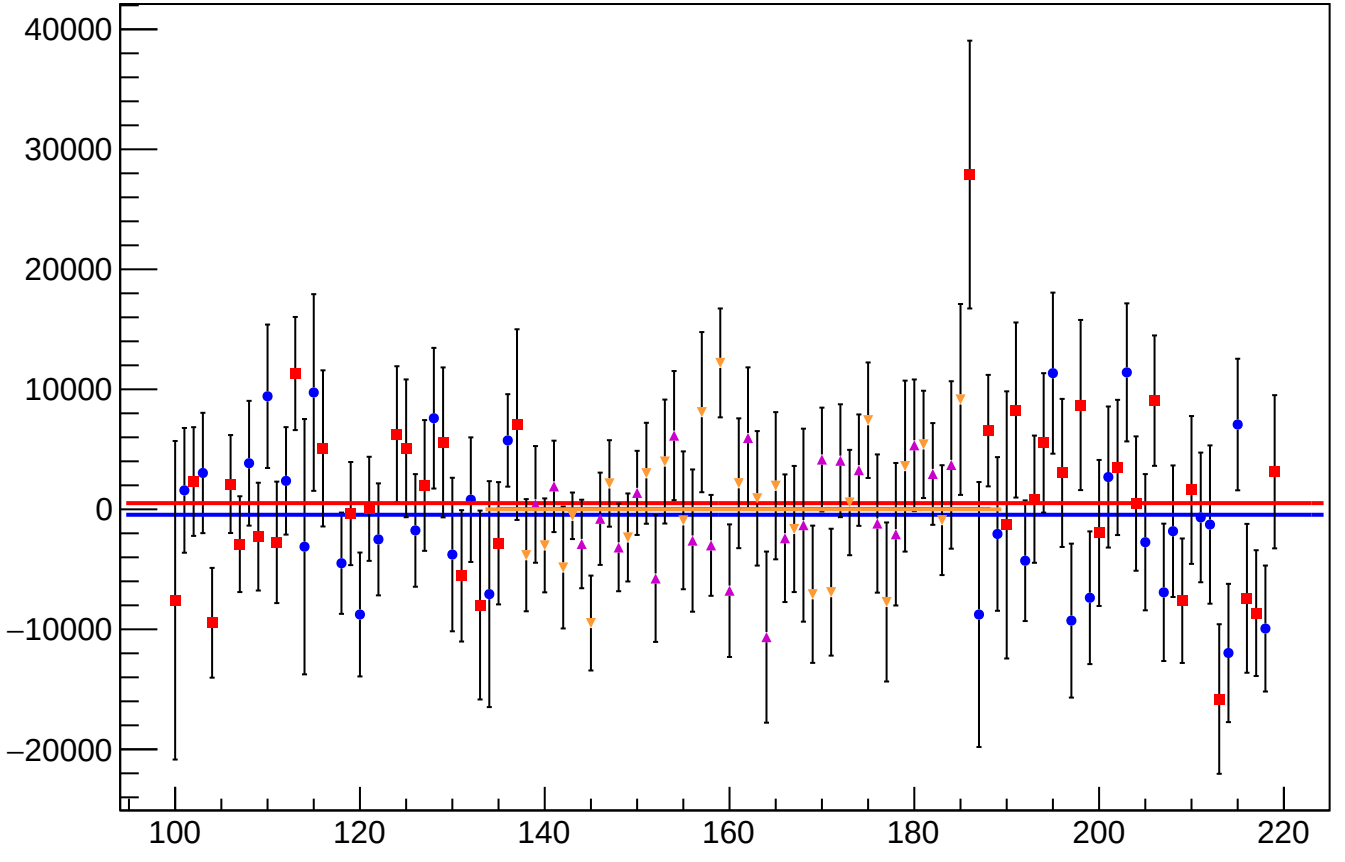
Right: 1284.422+/-0.142 χ^2/NDF: 1022245.2/68

In: 1268.805+/-0.145 χ^2/NDF:573165.0/54

Out: 1278.322+/-0.143 χ^2/NDF:684076.7/61

All: 1273.647+/-0.102 χ^2/NDF: 1259431.4/11

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -453.478+/-984.347 χ^2/NDF: 38.1/31

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

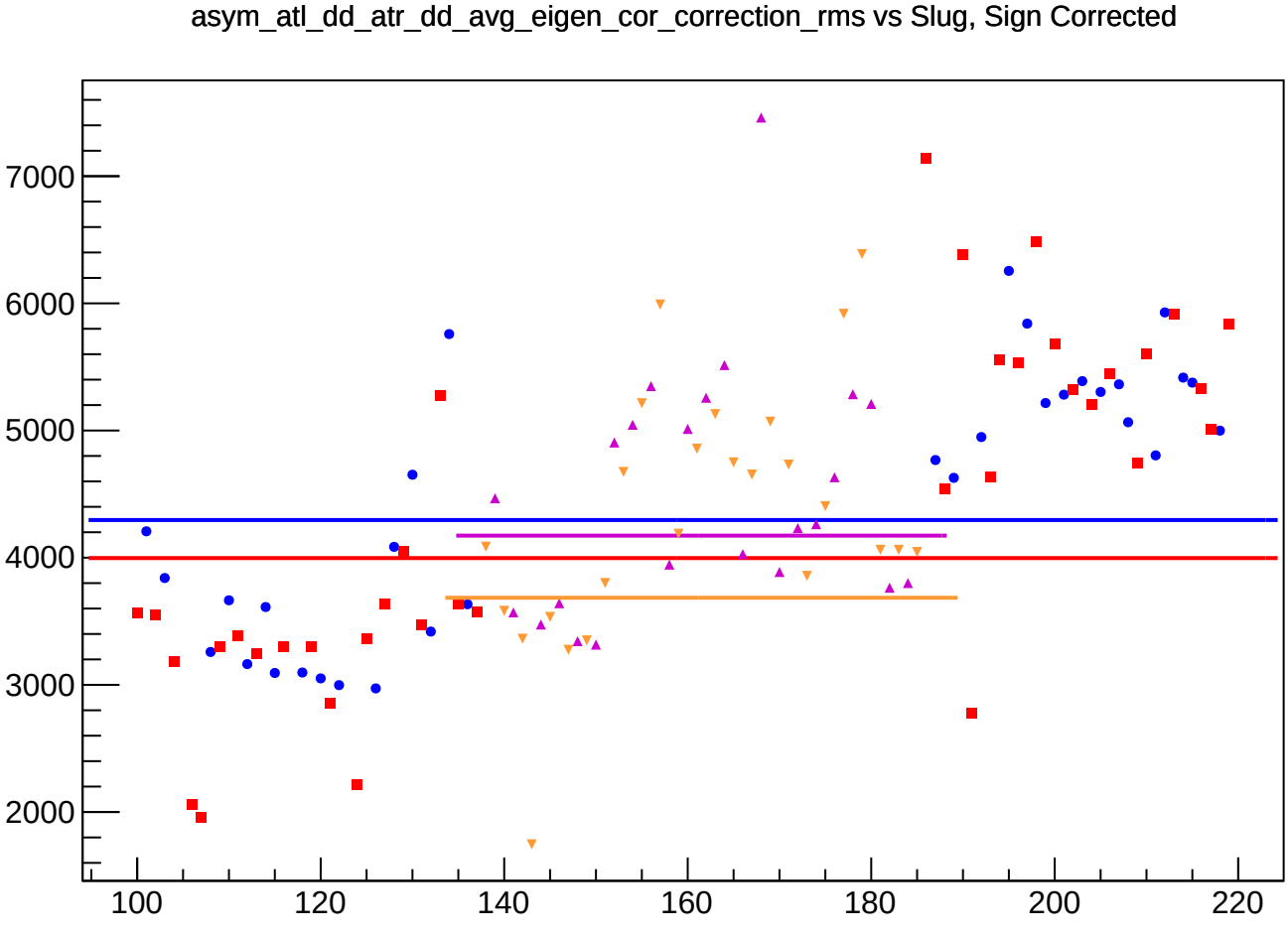
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 69.059+/-668.222 χ^2/NDF: 85.5/68

In: -213.635+/-699.895 χ^2/NDF:52.2/54

Out: 250.803+/-635.004 χ^2/NDF:76.1/61

All: 41.108+/-470.288 χ^2/NDF: 128.6/116



Right In: 4296.223+/-0.696 χ^2/NDF: 2077743.5/31

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

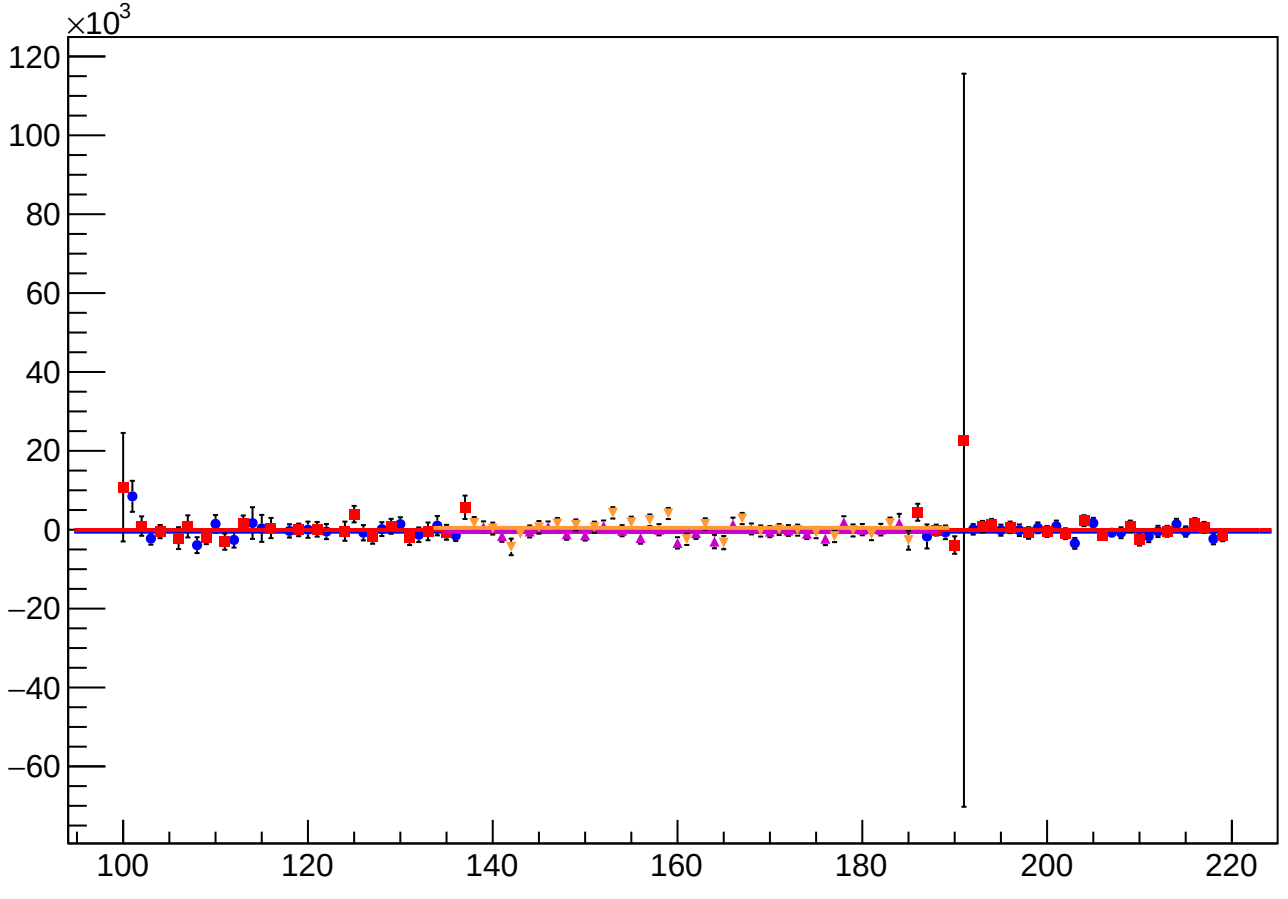
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4134.824+/-0.473 χ^2/NDF: 5974695.2/68

In: 4235.568+/-0.495 χ^2/NDF:3368069.4/54

Out: 3836.726+/-0.449 χ^2/NDF:7611620.2/61

All: 4016.805+/-0.333 χ^2/NDF: 11335926.5/1



Right In: -490.252+/-290.193 χ^2/NDF: 27.5/31

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -66.239+/-284.065 χ^2/NDF: 35.1/36

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

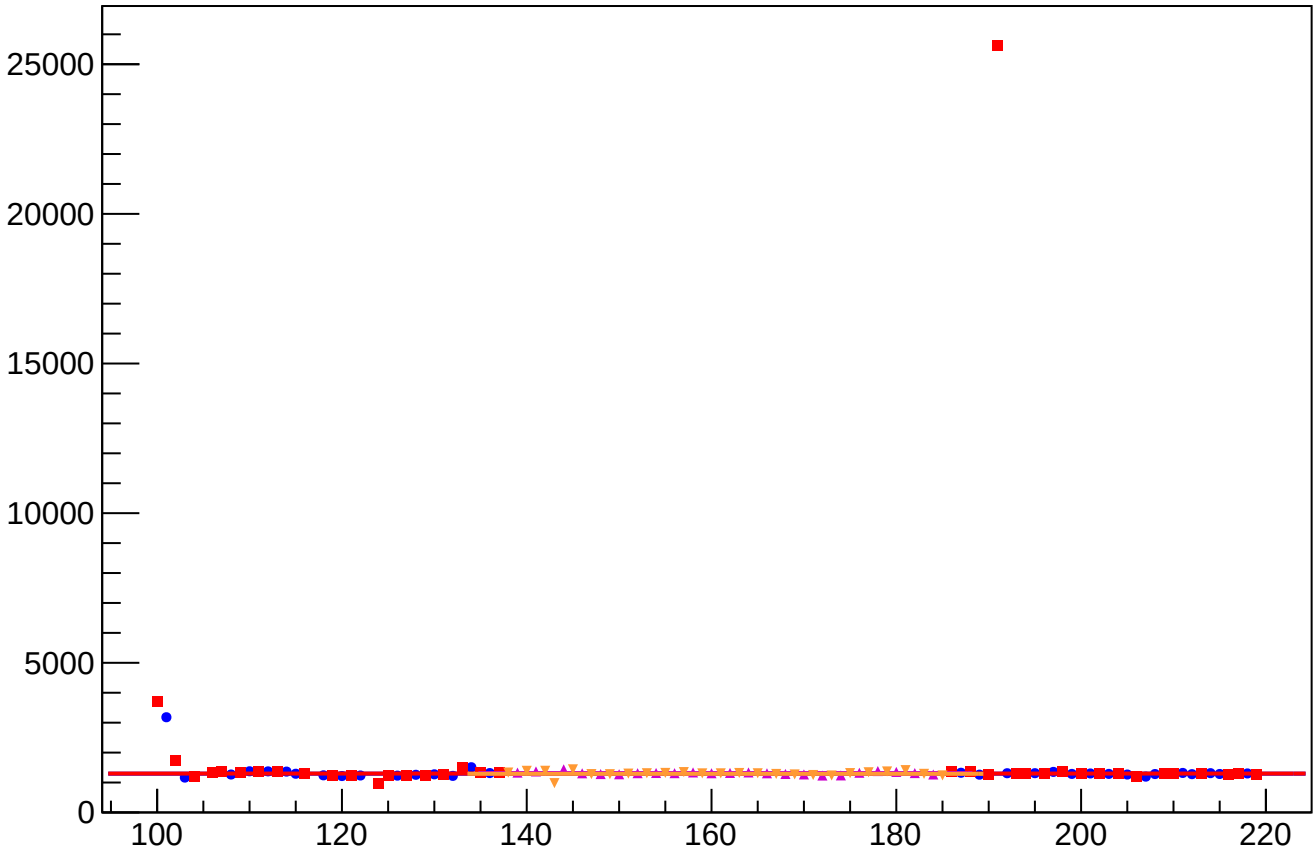
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -273.721+/-202.996 χ^2/NDF: 63.8/68

In: -496.530+/-210.907 χ^2/NDF:45.0/54

Out: 191.434+/-204.372 χ^2/NDF:81.0/61

All: -141.725+/-146.769 χ^2/NDF: 131.4/116



Right In: 1295.181+/-0.205 χ^2/NDF: 530283.4/31

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.2/36

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

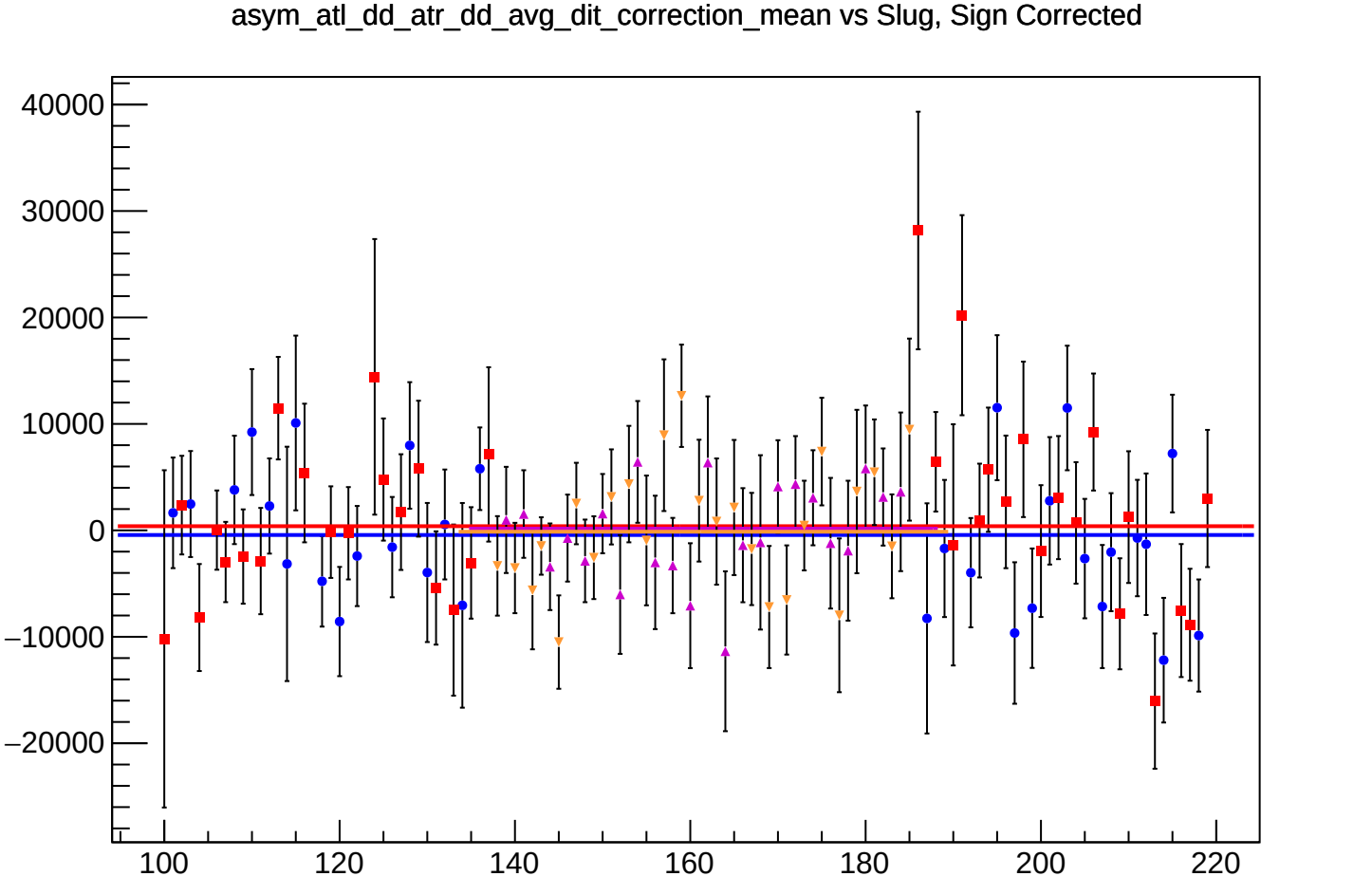
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

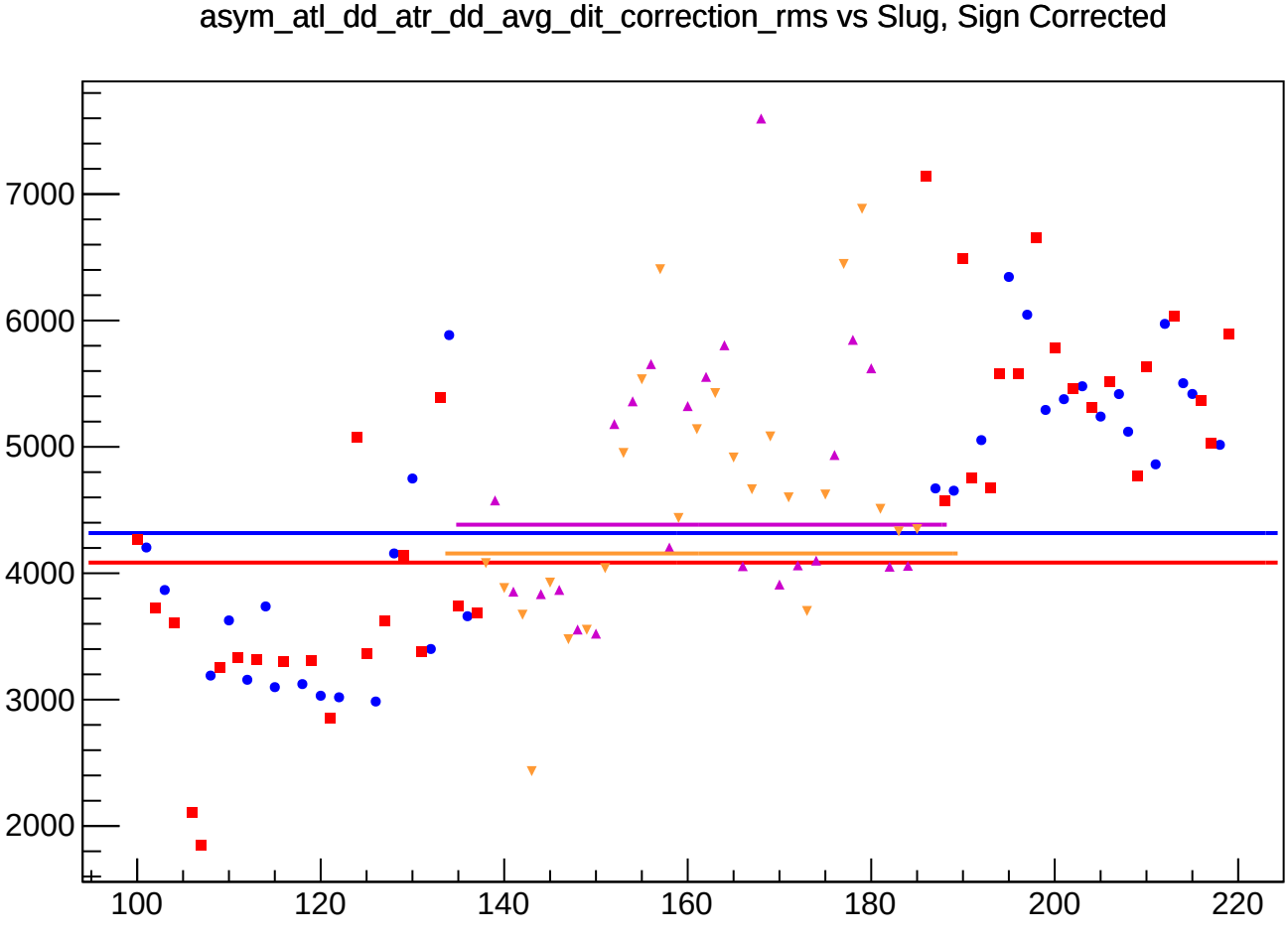
Right: 1297.411+/-0.144 χ^2/NDF: 909948.9/68

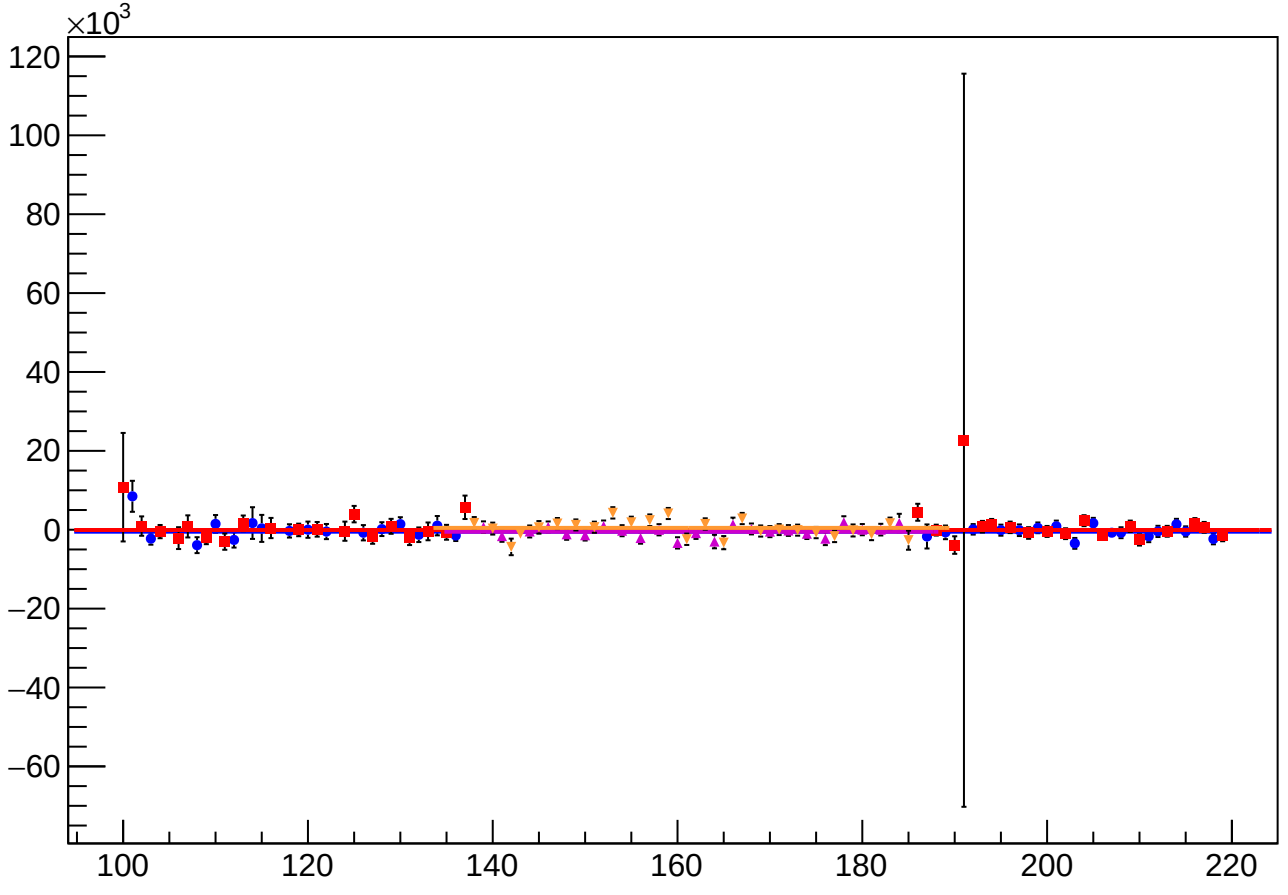
In: 1304.062+/-0.149 χ^2/NDF:577298.7/54

Out: 1295.527+/-0.144 χ^2/NDF:611000.4/61

All: 1299.660+/-0.104 χ^2/NDF: 1189988.8/11


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: -435.912+/-990.415 χ²/NDF: 37.9/31
Left Out: -127.273+/-977.231 χ²/NDF:28.6/24
Right Out: 389.692+/-924.704 χ²/NDF: 48.5/36
Left In: 159.452+/-1045.510 χ²/NDF:13.8/22
Left: 6.422+/-713.925 χ²/NDF: 42.4/47
Right: 5.185+/-675.902 χ²/NDF: 86.7/68
In: -154.329+/-719.018 χ²/NDF:51.8/54
Out: 145.476+/-671.666 χ²/NDF:77.2/61
All: 5.770+/-490.827 χ²/NDF: 129.1/116


asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 4318.059+/-0.700 χ²/NDF: 2178483.2/31
Left Out: 4156.582+/-0.691 χ²/NDF:2080766.1/24
Right Out: 4084.304+/-0.654 χ²/NDF: 3814574.7/36
Left In: 4384.323+/-0.739 χ²/NDF:1255470.8/22
Left: 4262.773+/-0.505 χ²/NDF: 3386885.6/47
Right: 4193.171+/-0.478 χ²/NDF: 6052580.3/68
In: 4349.399+/-0.508 χ²/NDF:3438188.1/54
Out: 4118.448+/-0.475 χ²/NDF:5901113.1/61
All: 4226.069+/-0.347 χ²/NDF: 9449490.4/11



Right In: -490.250+/-290.193 χ^2/NDF: 27.5/31

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -66.240+/-284.065 χ^2/NDF: 35.1/36

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

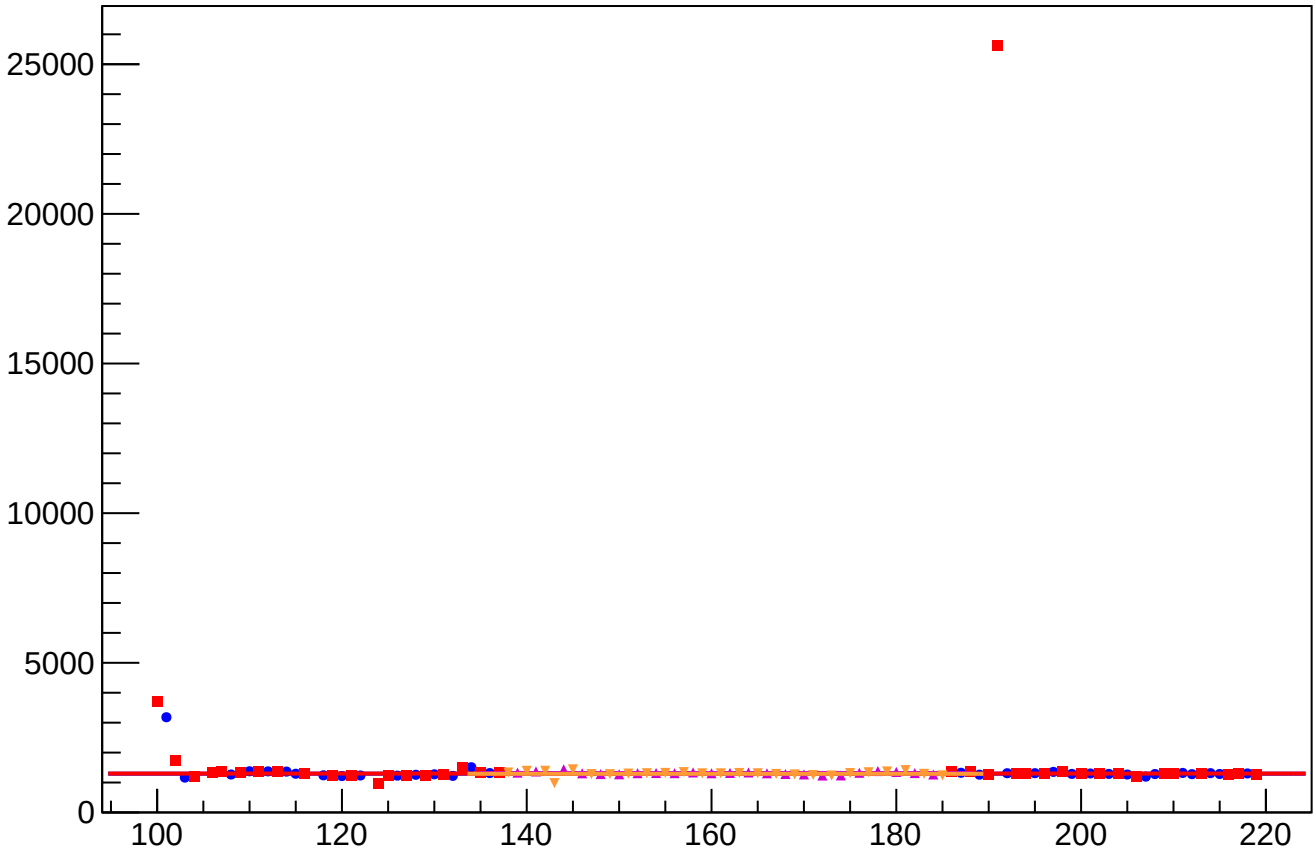
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -273.721+/-202.996 χ^2/NDF: 63.8/68

In: -496.529+/-210.907 χ^2/NDF:45.0/54

Out: 191.435+/-204.373 χ^2/NDF:81.0/61

All: -141.724+/-146.769 χ^2/NDF: 131.4/116



Right In: 1295.181+/-0.205 χ^2/NDF: 530283.5/31

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.3/36

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

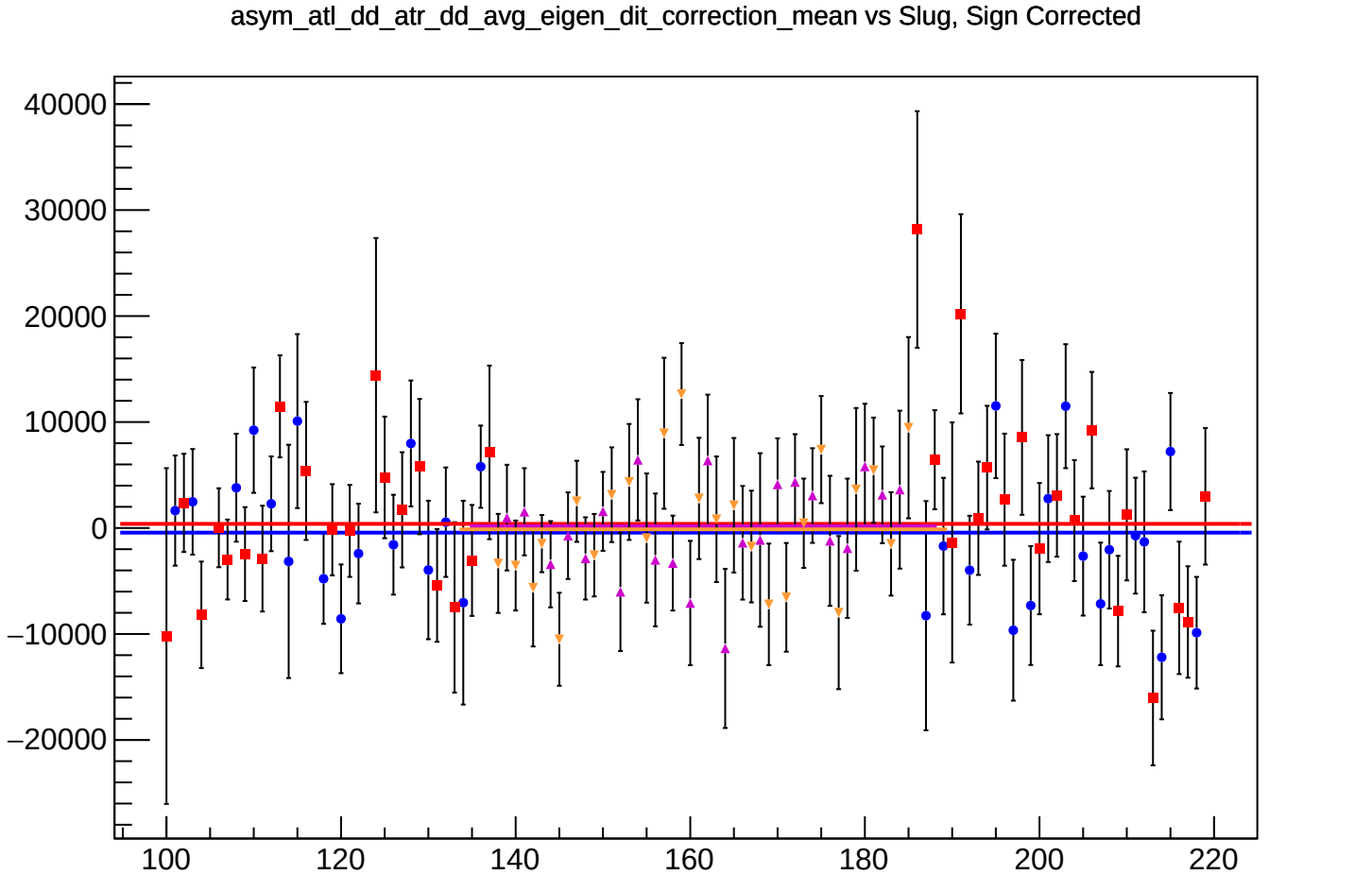
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1297.411+/-0.144 χ^2/NDF: 909949.1/68

In: 1304.063+/-0.149 χ^2/NDF:577301.5/54

Out: 1295.527+/-0.144 χ^2/NDF:611002.7/61

All: 1299.660+/-0.104 χ^2/NDF: 1189993.9/11



Right In: -435.914+/-990.415 χ^2/NDF: 37.9/31

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 389.687+/-924.703 χ^2/NDF: 48.5/36

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

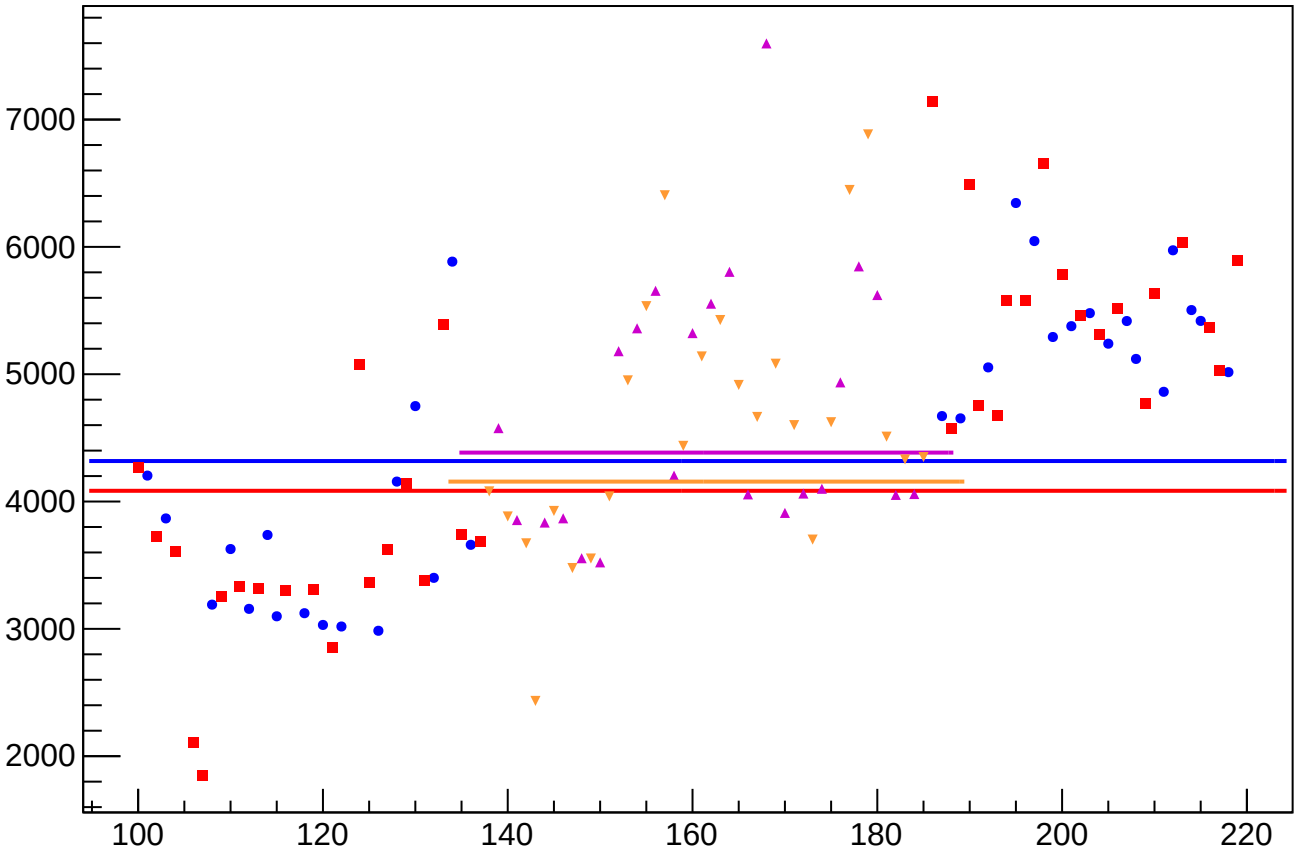
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 5.181+/-675.901 χ^2/NDF: 86.7/68

In: -154.330+/-719.018 χ^2/NDF:51.8/54

Out: 145.475+/-671.666 χ^2/NDF:77.2/61

All: 5.769+/-490.827 χ^2/NDF: 129.1/116



Right In: 4318.055+/-0.700 χ^2/NDF: 2178522.1/31

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 4084.299+/-0.654 χ^2/NDF: 3814613.1/36

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

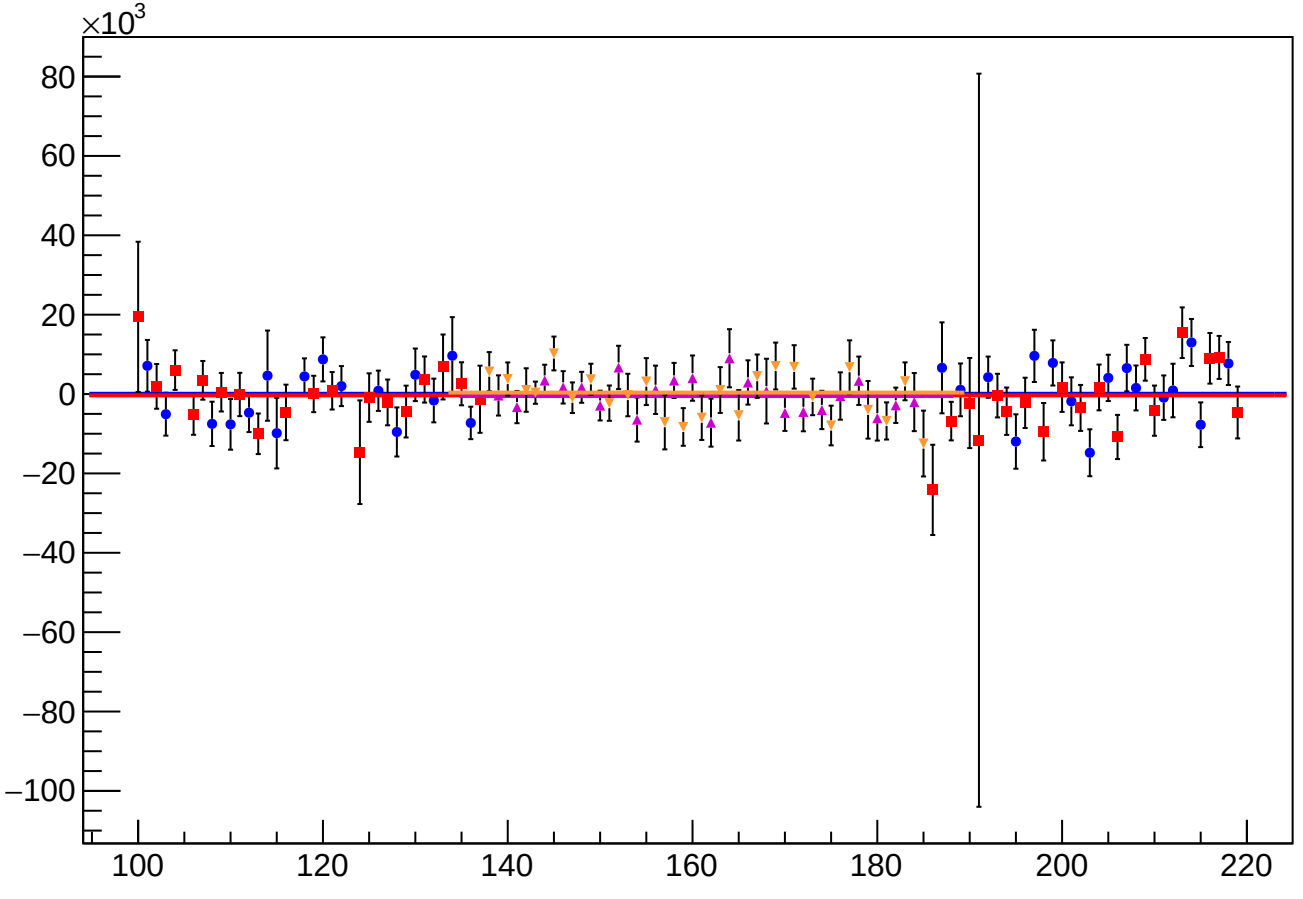
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4193.165+/-0.478 χ^2/NDF: 6052658.2/68

In: 4349.400+/-0.508 χ^2/NDF:3438232.7/54

Out: 4118.448+/-0.475 χ^2/NDF:5901156.3/61

All: 4226.069+/-0.347 χ^2/NDF: 9449578.8/11



Right In: 70.199+/-1040.368 χ^2/NDF: 43.4/31

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -330.825+/-996.314 χ^2/NDF: 39.1/36

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

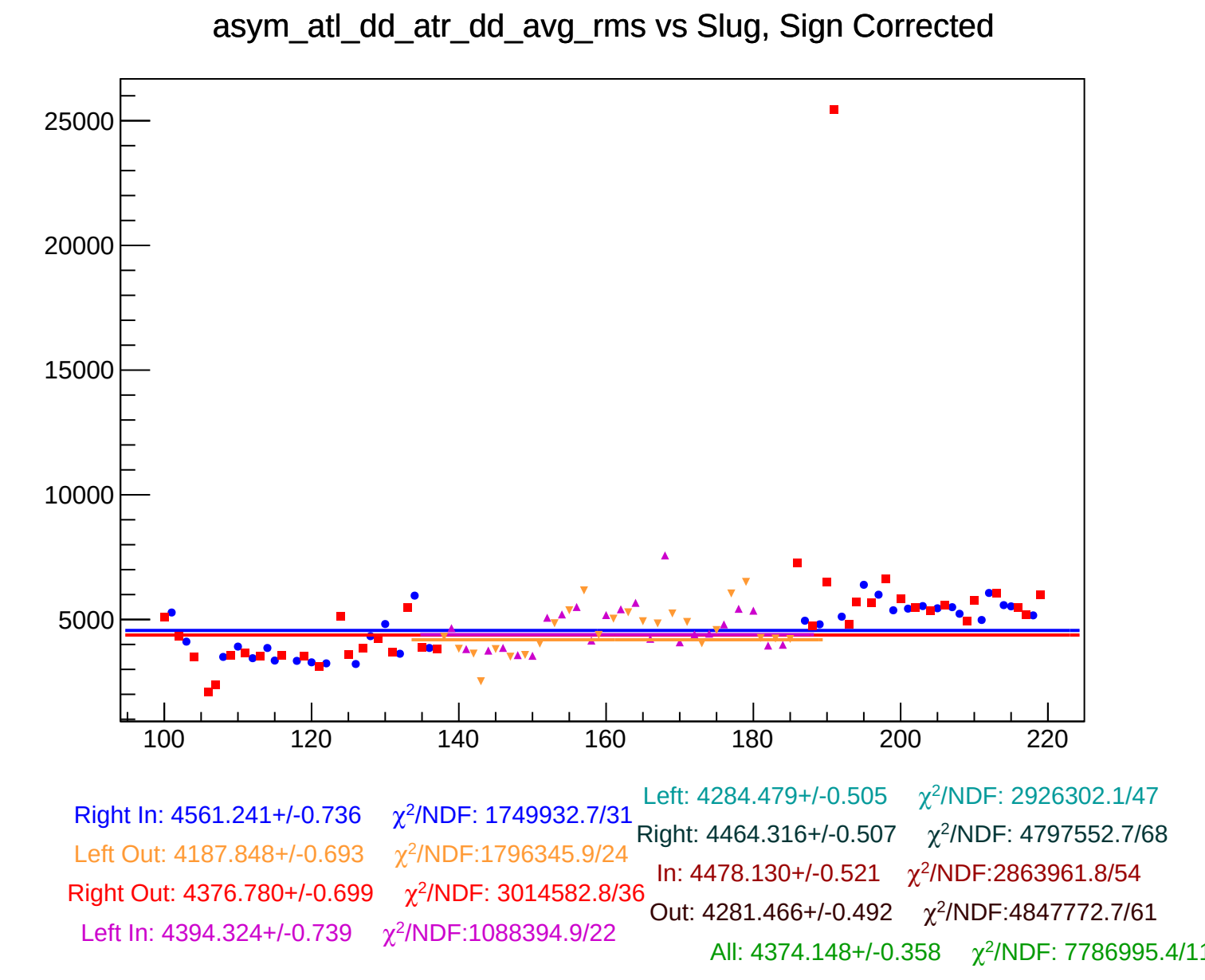
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

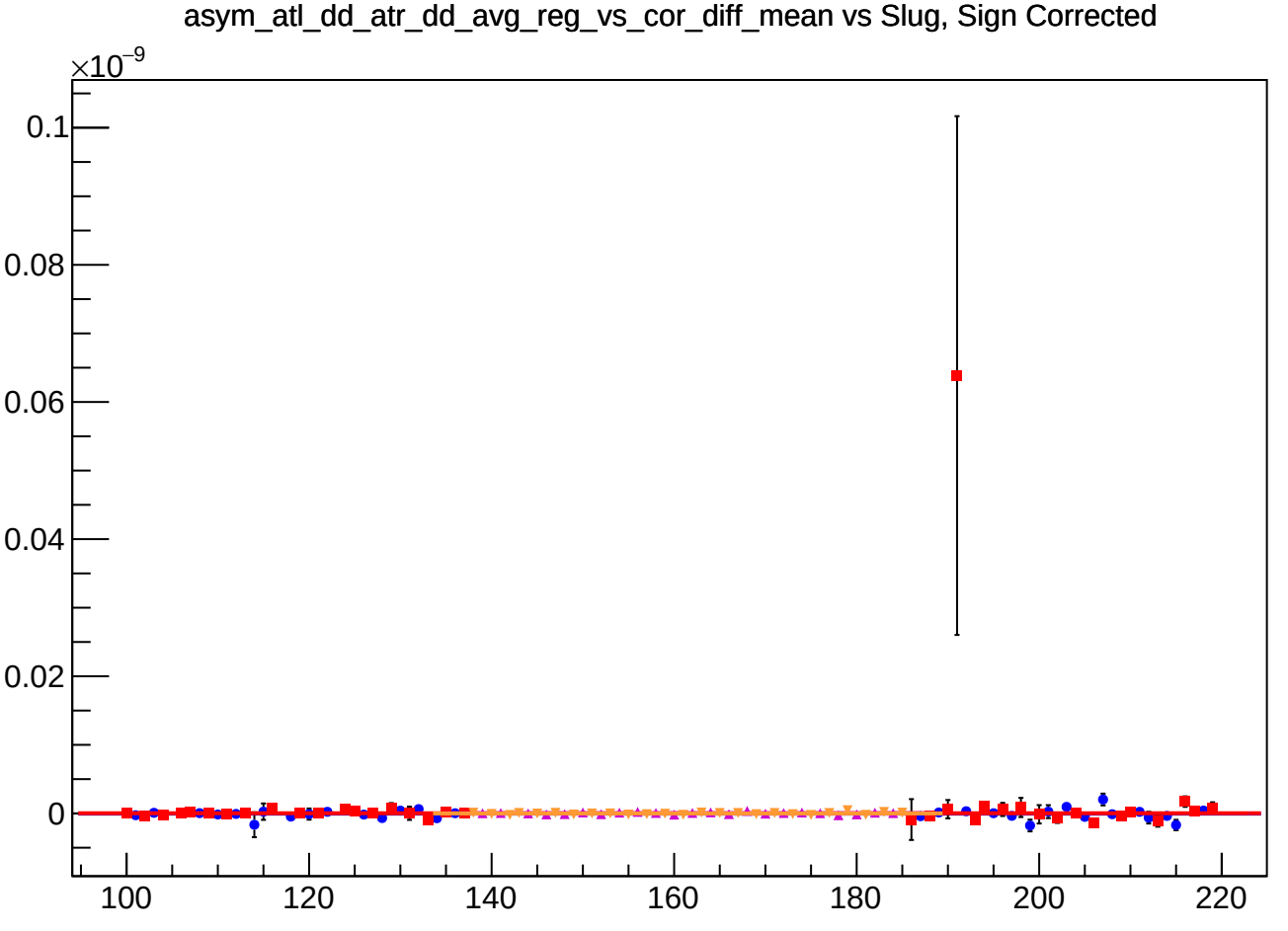
Right: -138.983+/-719.571 χ^2/NDF: 82.6/68

In: -212.480+/-737.181 χ^2/NDF:57.4/54

Out: 21.624+/-698.611 χ^2/NDF:67.0/61

All: -89.144+/-507.080 χ^2/NDF: 124.5/116


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: 4561.241+/-0.736 χ²/NDF: 1749932.7/31
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4376.780+/-0.699 χ²/NDF: 3014582.8/36
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4464.316+/-0.507 χ²/NDF: 4797552.7/68
In: 4478.130+/-0.521 χ²/NDF:2863961.8/54
Out: 4281.466+/-0.492 χ²/NDF:4847772.7/61
All: 4374.148+/-0.358 χ²/NDF: 7786995.4/11



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.4/36

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

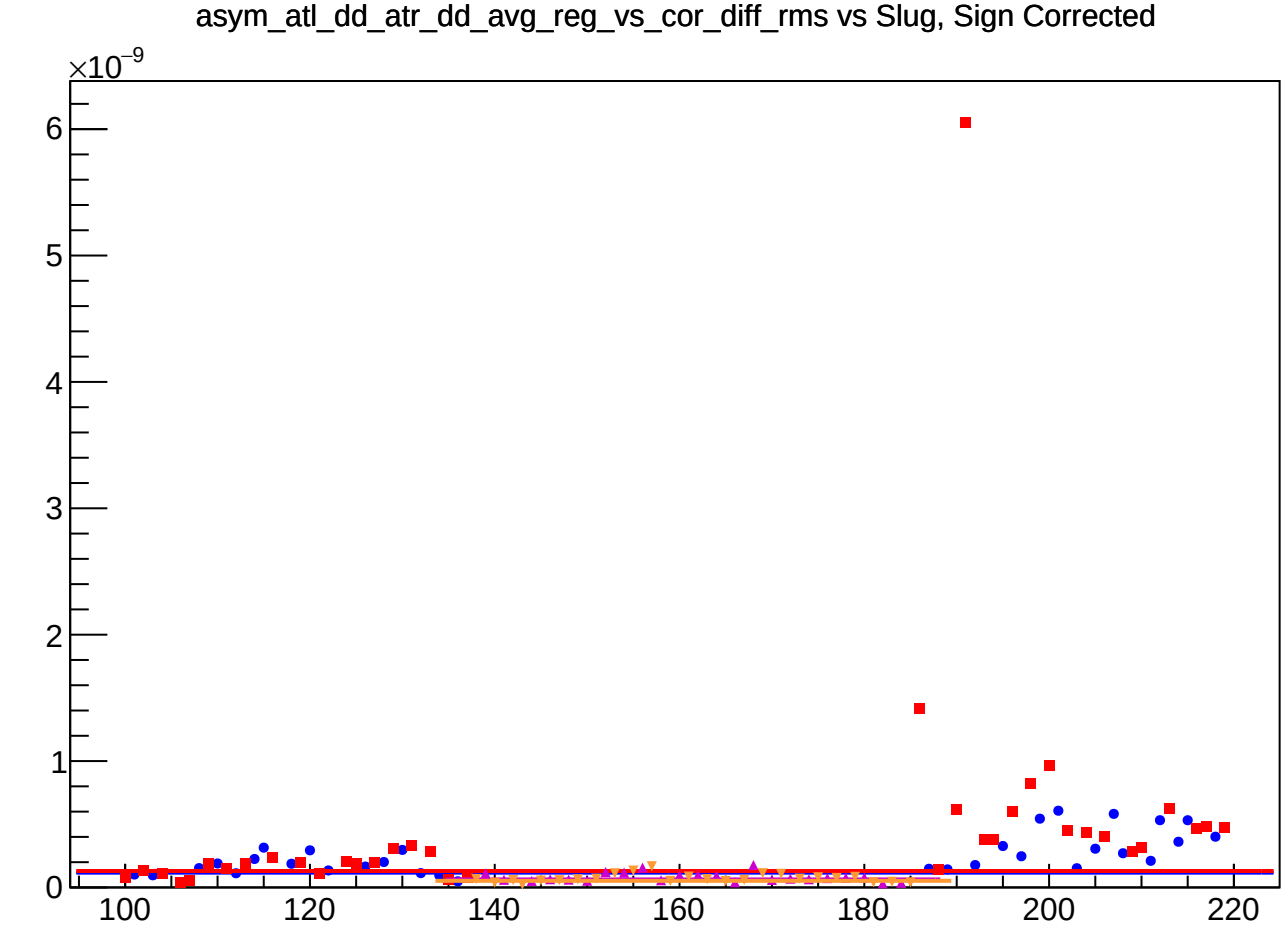
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 82.7/68

In: 0.000+/-0.000 χ^2/NDF:58.6/54

Out: -0.000+/-0.000 χ^2/NDF:72.1/61

All: 0.000+/-0.000 χ^2/NDF: 130.8/116



Right In: 0.000+/-0.000 χ^2/NDF: 6269298.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8717055.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

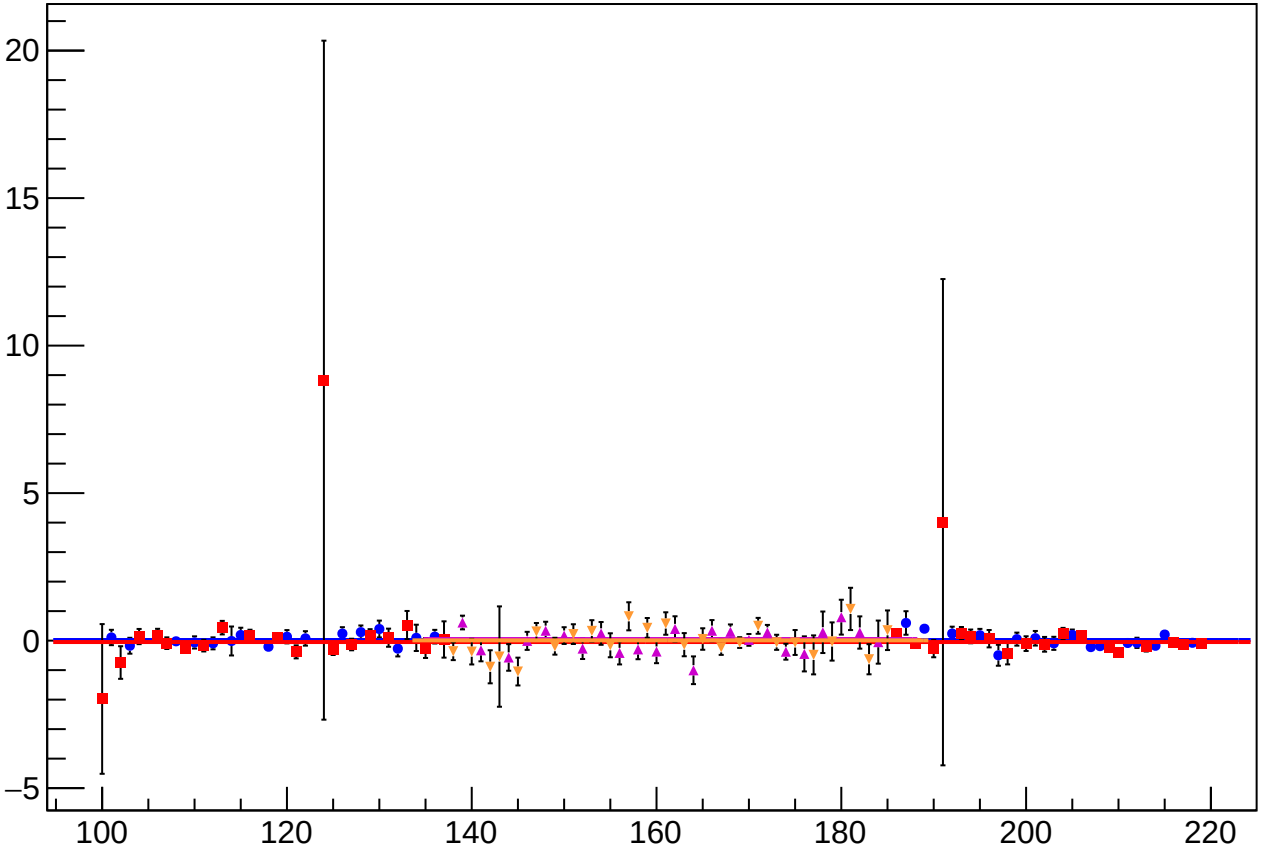
Right: 0.000+/-0.000 χ^2/NDF: 15038545.3/68

In: 0.000+/-0.000 χ^2/NDF:9663706.5/54

Out: 0.000+/-0.000 χ^2/NDF:14361819.7/61

All: 0.000+/-0.000 χ^2/NDF: 24293486.6/116

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

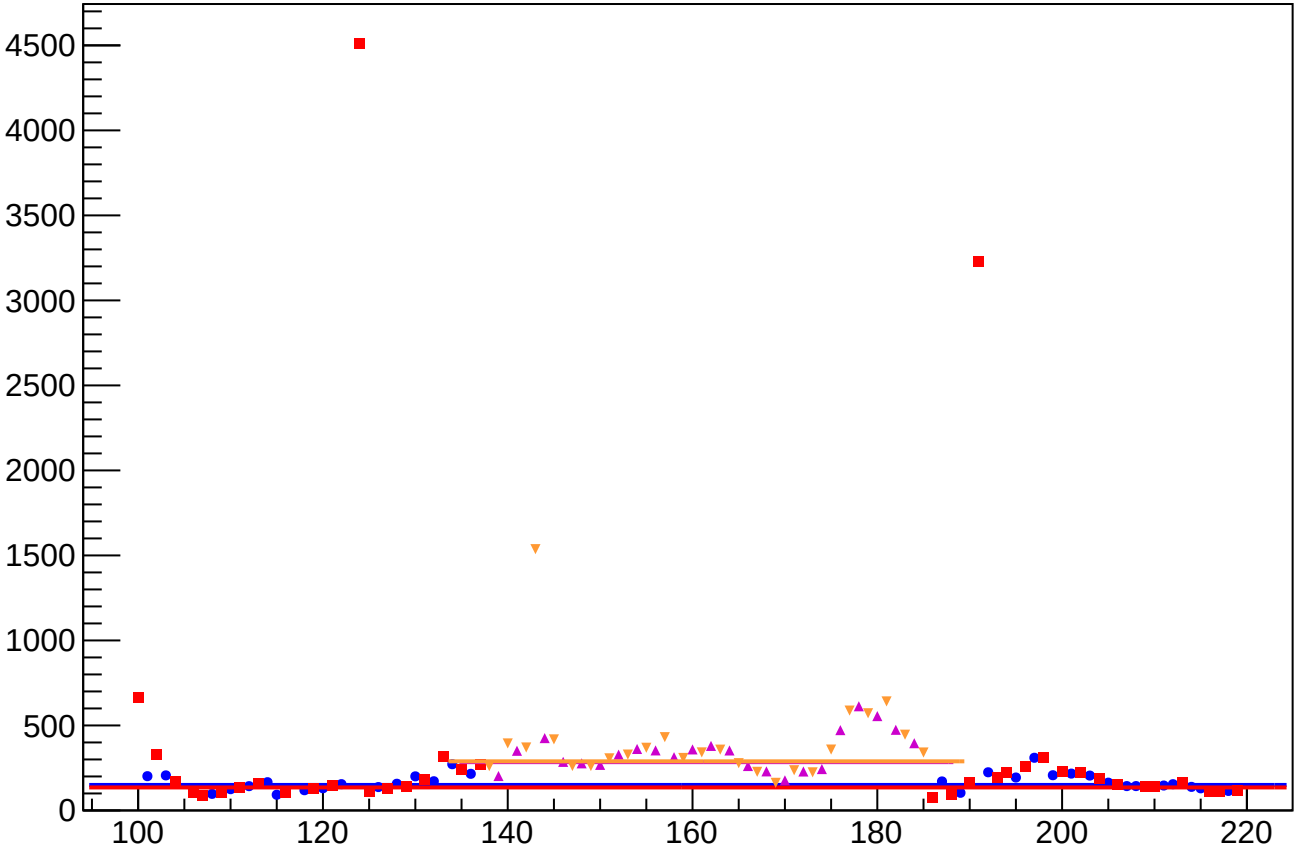
Right: -0.017+/-0.024 χ^2/NDF: 75.5/68

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: -0.008+/-0.021 χ^2/NDF: 133.1/116

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 150.054+/-0.025 χ^2/NDF: 2533590.7/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

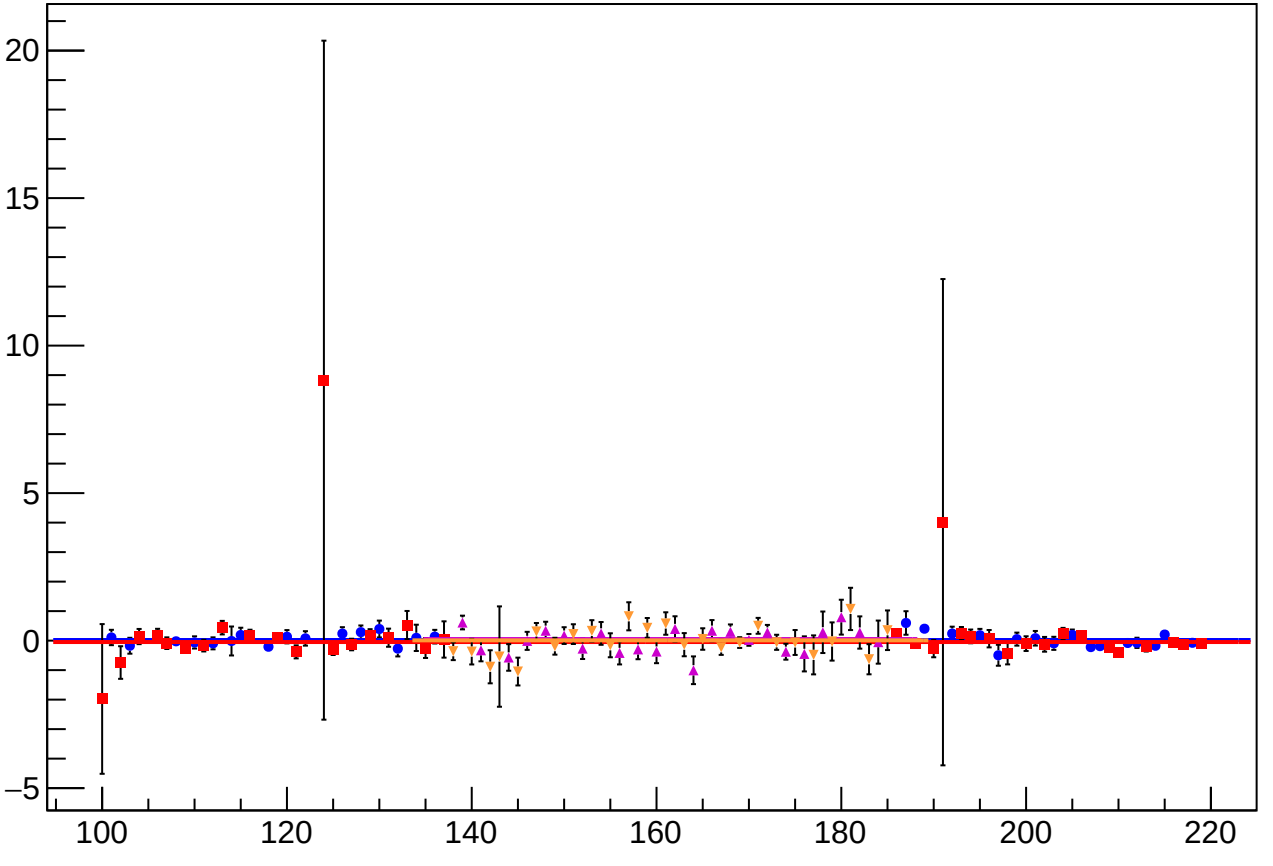
Right: 142.024+/-0.017 χ^2/NDF: 7658501.9/68

In: 176.910+/-0.022 χ^2/NDF:11415134.6/54

Out: 161.411+/-0.021 χ^2/NDF:17347728.5/61

All: 168.587+/-0.015 χ^2/NDF: 29022789.5/1

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

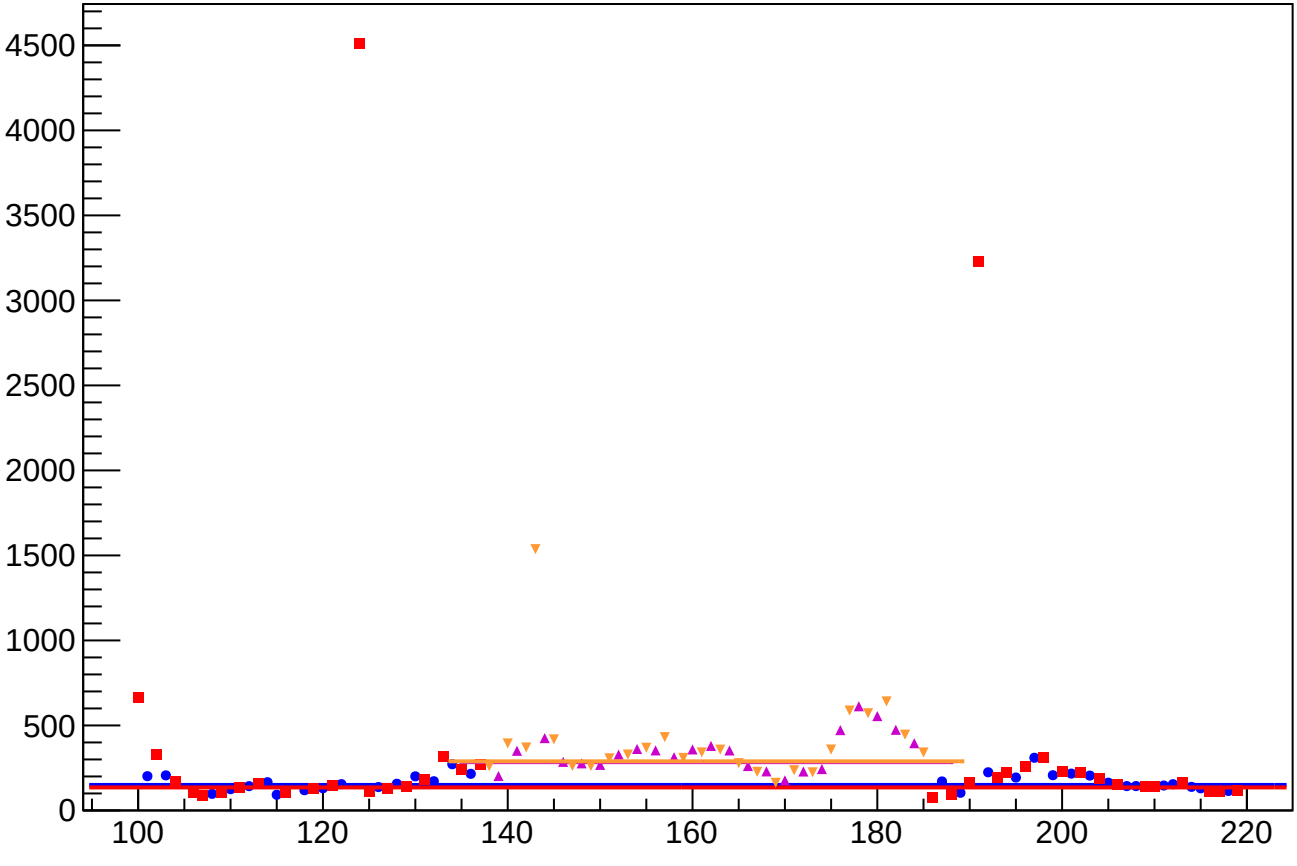
Right: -0.017+/-0.024 χ^2/NDF: 75.5/68

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: -0.008+/-0.021 χ^2/NDF: 133.1/116

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 150.054+/-0.025 χ^2/NDF: 2533590.7/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

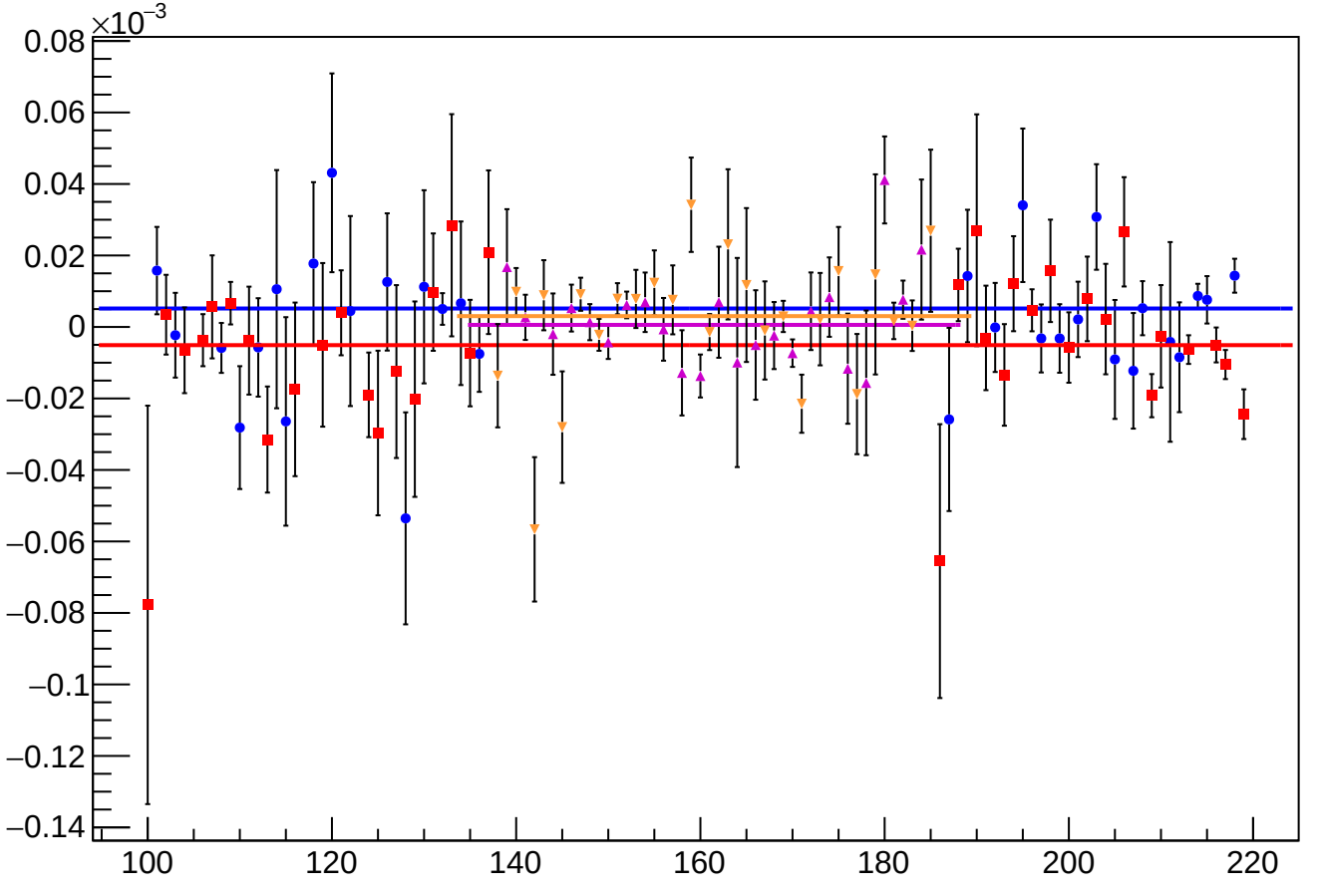
Right: 142.024+/-0.017 χ^2/NDF: 7658501.9/68

In: 176.910+/-0.022 χ^2/NDF:11415134.6/54

Out: 161.411+/-0.021 χ^2/NDF:17347728.5/61

All: 168.587+/-0.015 χ^2/NDF: 29022789.5/1

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 33.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 51.0/36

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

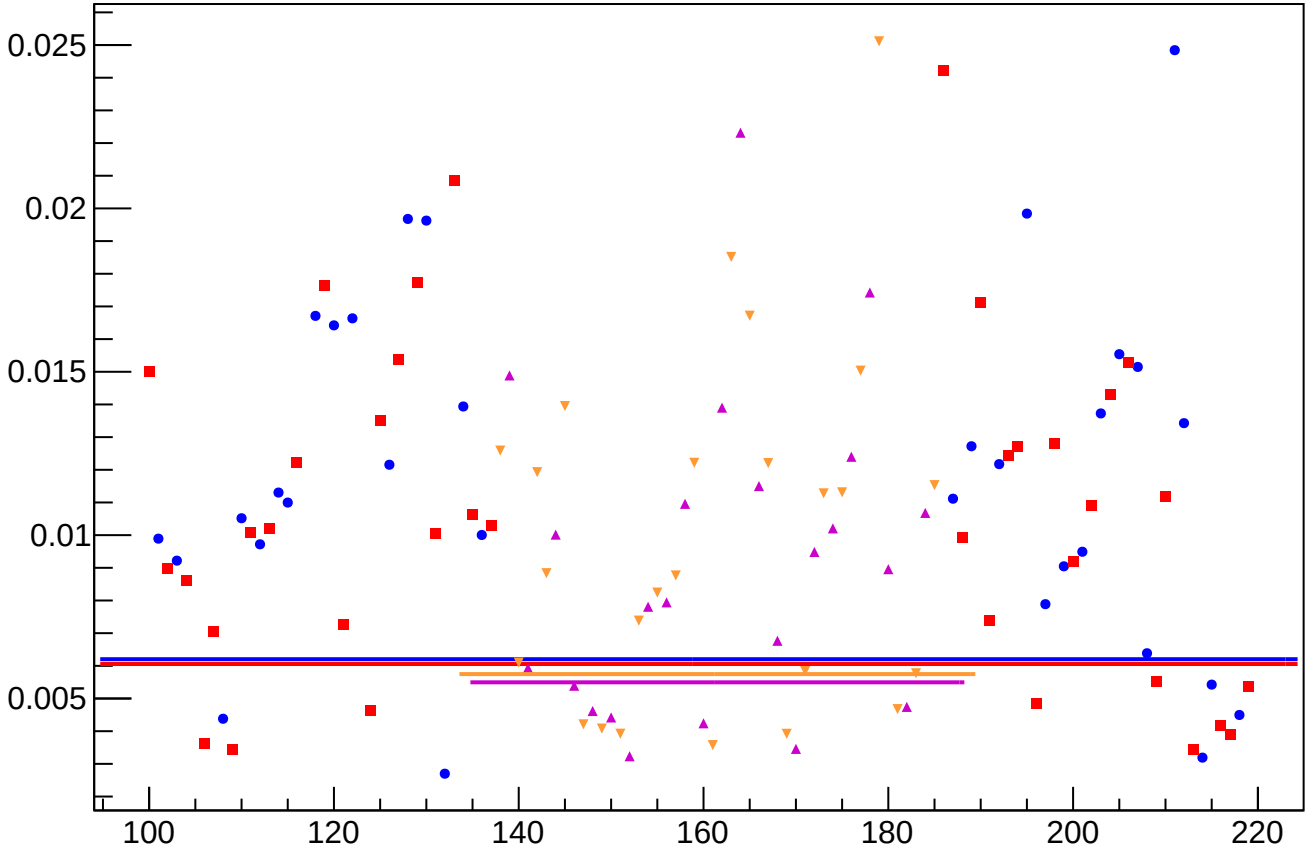
Right: -0.000+/-0.000 χ^2/NDF: 103.9/68

In: 0.000+/-0.000 χ^2/NDF:70.3/54

Out: -0.000+/-0.000 χ^2/NDF:107.1/61

All: 0.000+/-0.000 χ^2/NDF: 182.6/116

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 11616529.9/31

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9867807.7/36

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

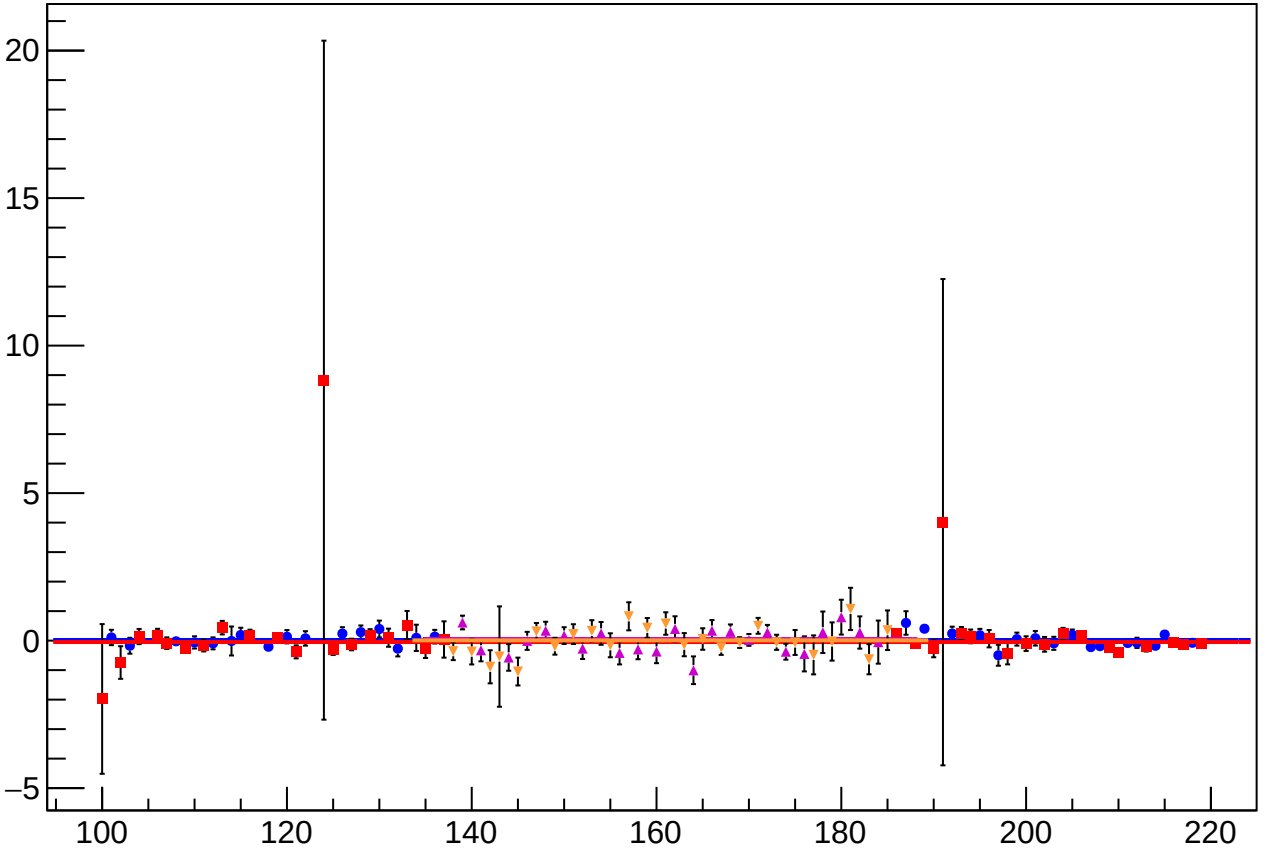
Right: 0.006+/-0.000 χ^2/NDF: 21492545.4/68

In: 0.006+/-0.000 χ^2/NDF:18747539.8/54

Out: 0.006+/-0.000 χ^2/NDF:18036488.4/61

All: 0.006+/-0.000 χ^2/NDF: 36790283.9/116

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

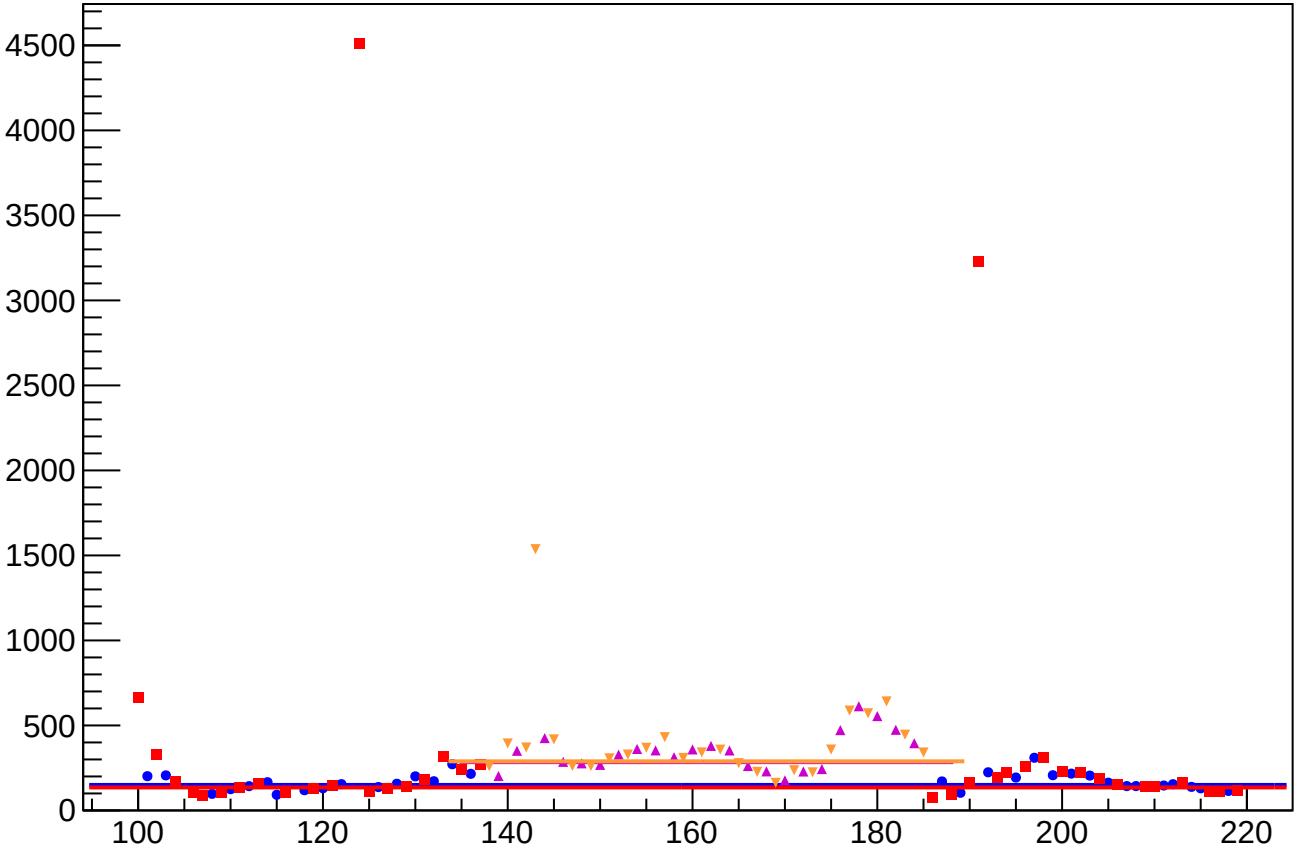
Right: -0.017+/-0.024 χ^2/NDF: 75.5/68

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: -0.008+/-0.021 χ^2/NDF: 133.1/116

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 150.055+/-0.025 χ^2/NDF: 2533574.0/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

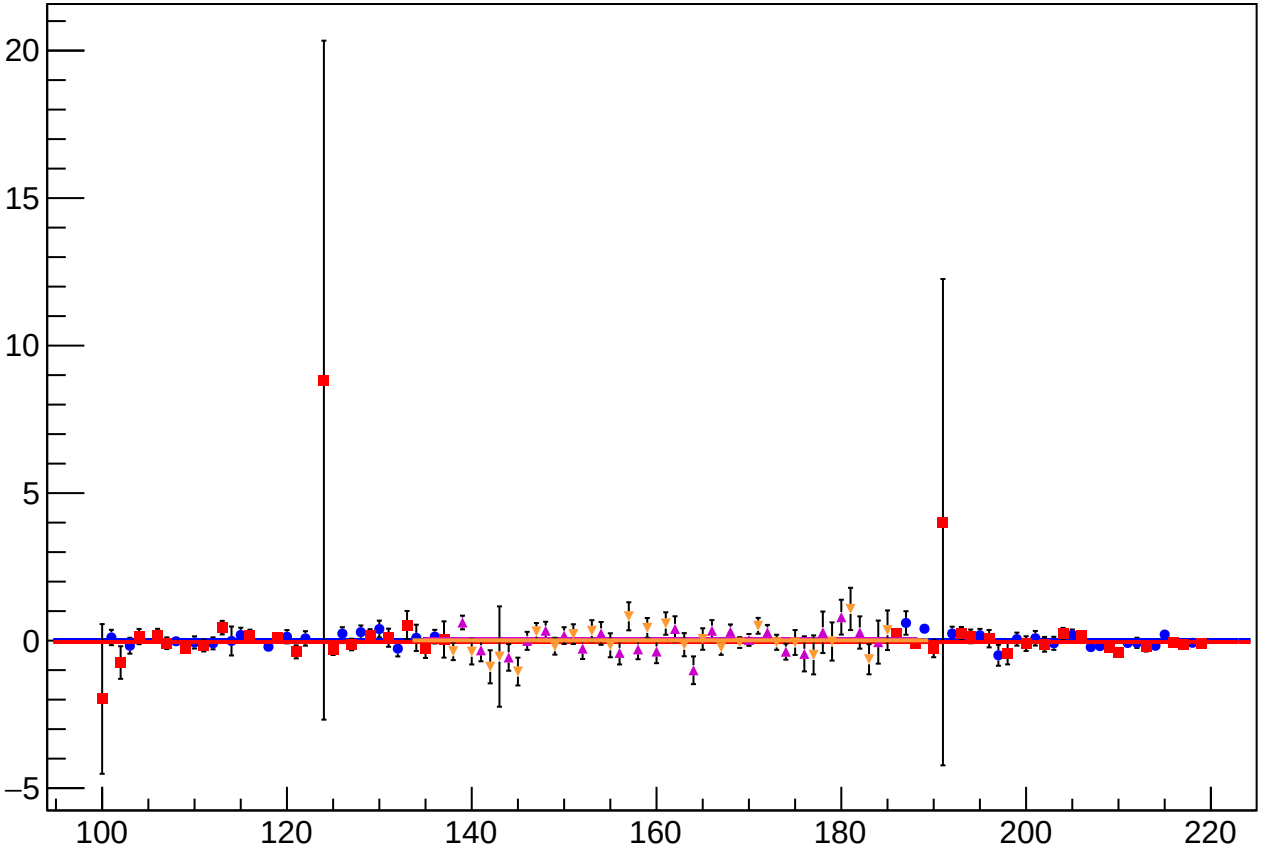
Right: 142.025+/-0.017 χ^2/NDF: 7658271.5/68

In: 176.911+/-0.022 χ^2/NDF:11415237.9/54

Out: 161.413+/-0.021 χ^2/NDF:17347503.1/61

All: 168.589+/-0.015 χ^2/NDF: 29022619.8/1

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

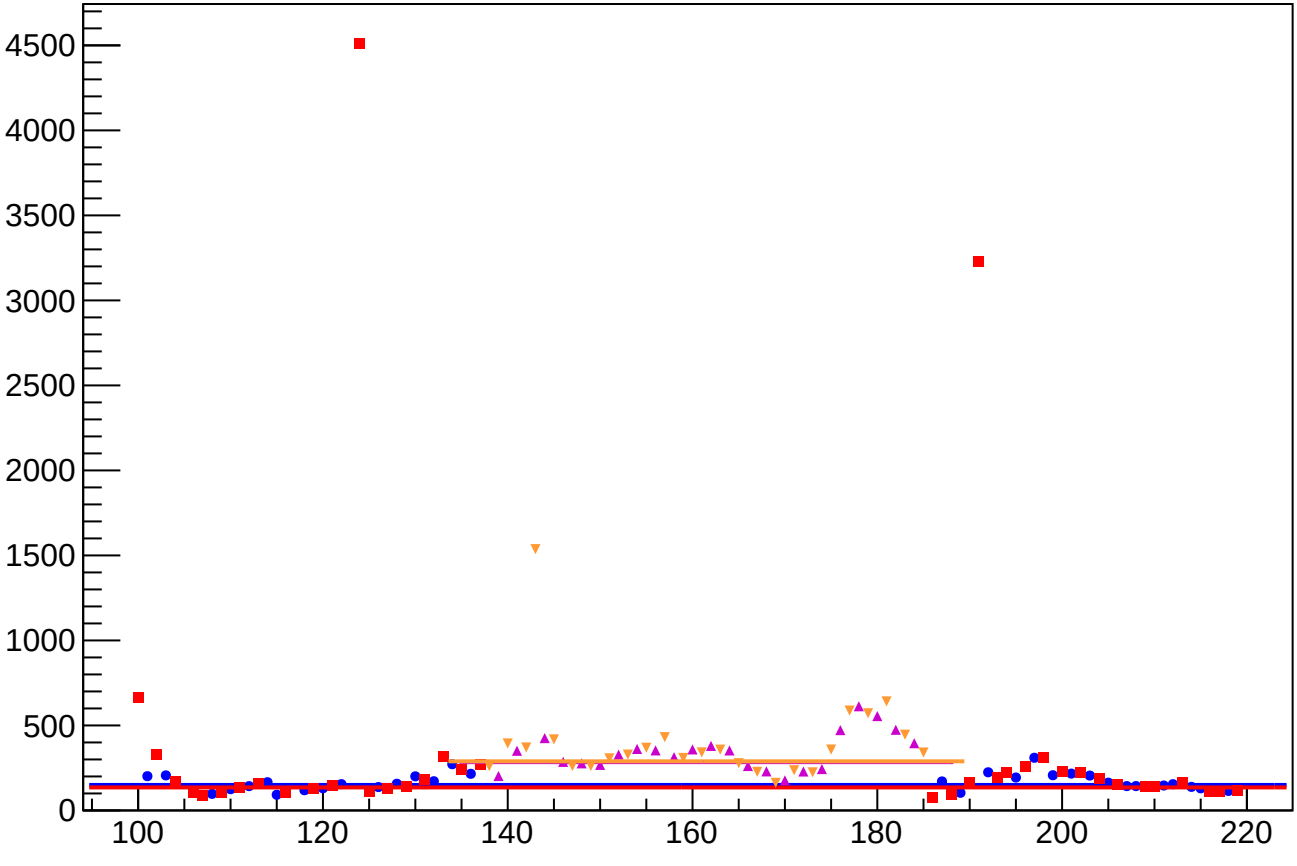
Right: -0.017+/-0.024 χ^2/NDF: 75.5/68

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: -0.008+/-0.021 χ^2/NDF: 133.1/116

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 150.055+/-0.025 χ^2/NDF: 2533574.0/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

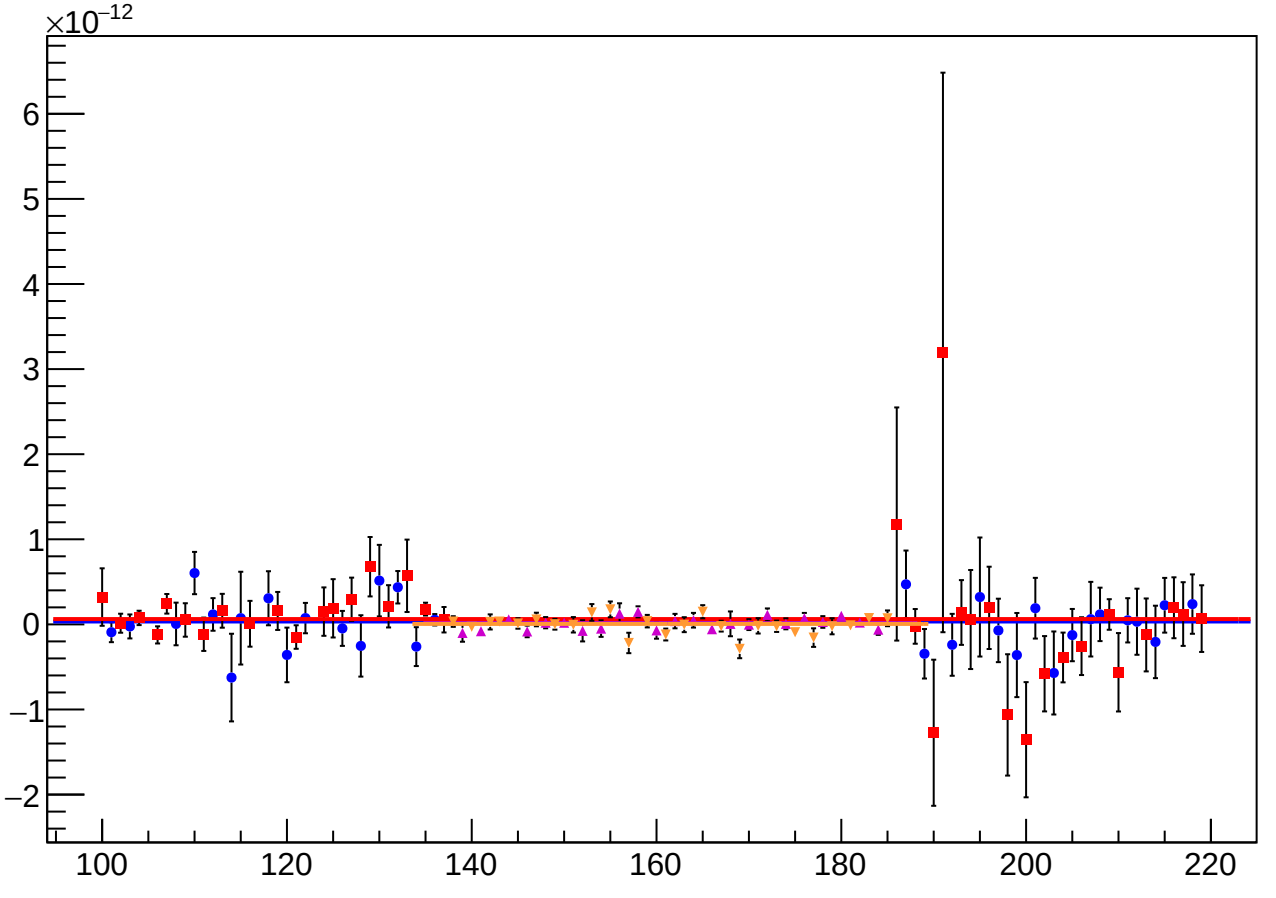
Right: 142.025+/-0.017 χ^2/NDF: 7658271.5/68

In: 176.911+/-0.022 χ^2/NDF:11415237.9/54

Out: 161.413+/-0.021 χ^2/NDF:17347503.1/61

All: 168.589+/-0.015 χ^2/NDF: 29022619.8/11

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.5/36

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

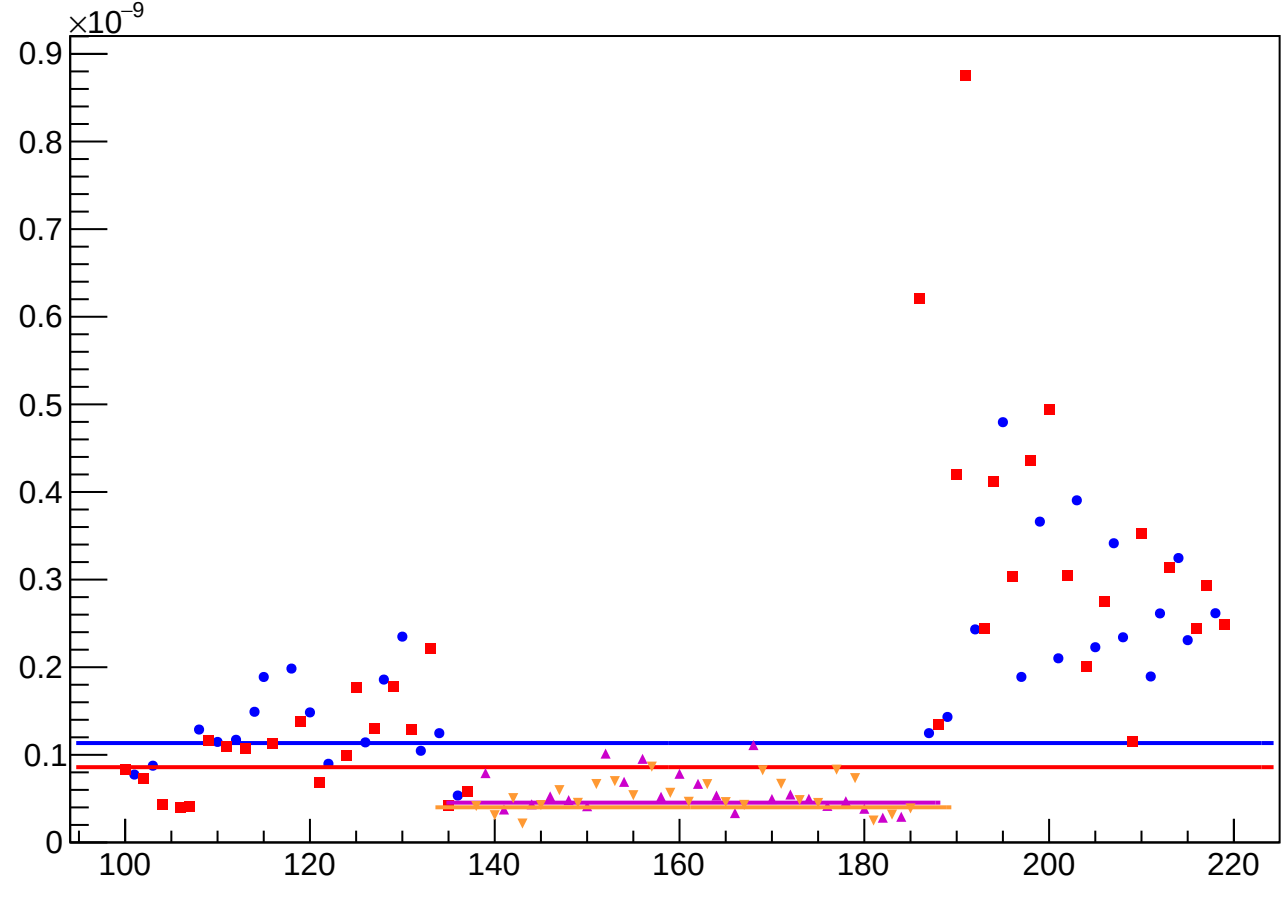
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

Right: 0.000+/-0.000 χ^2/NDF: 64.3/68

In: 0.000+/-0.000 χ^2/NDF:49.9/54

Out: 0.000+/-0.000 χ^2/NDF:74.4/61

All: 0.000+/-0.000 χ^2/NDF: 124.4/116



Right In: 0.000+/-0.000 χ^2/NDF: 7264038.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10373466.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

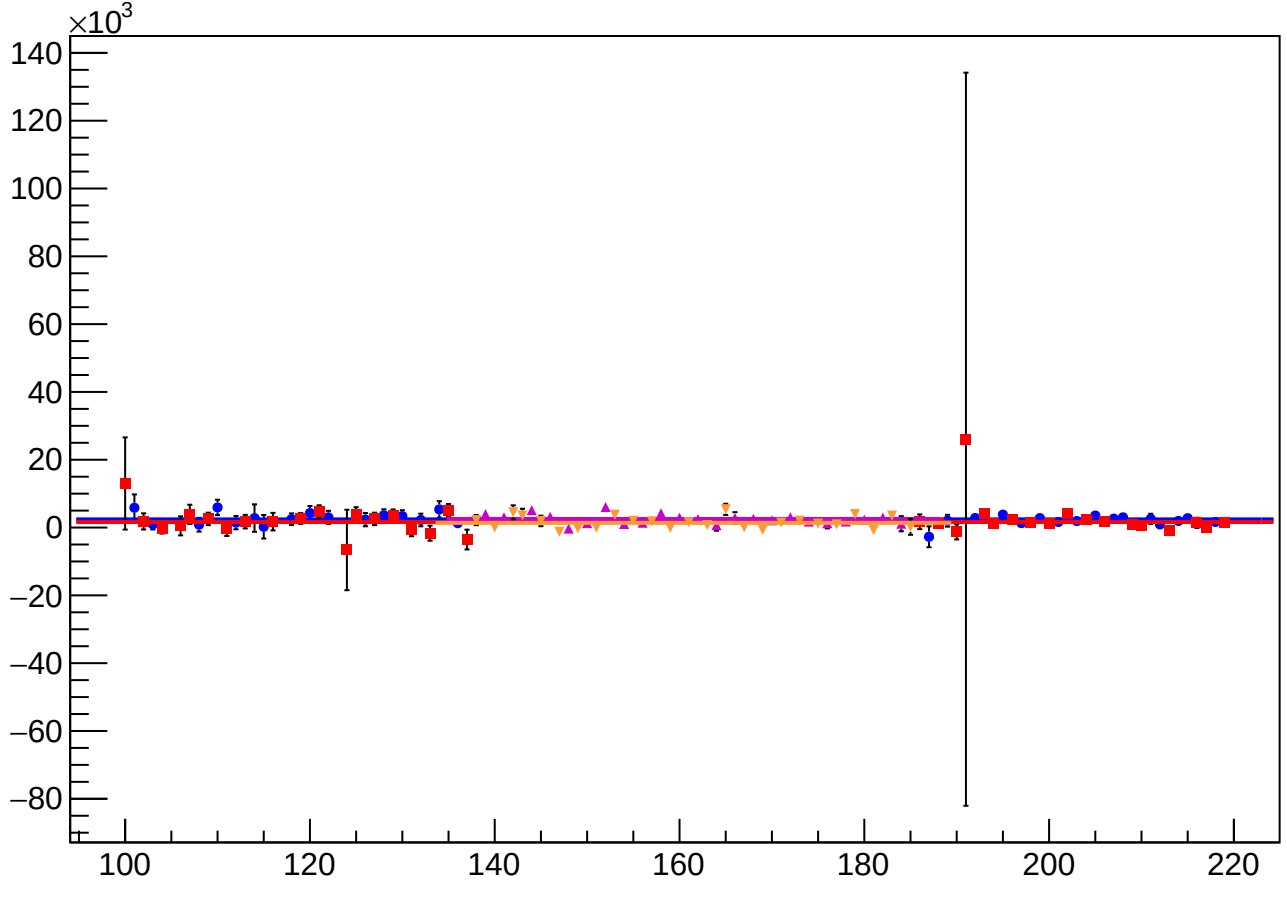
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18241713.1/68

In: 0.000+/-0.000 χ^2/NDF:15555334.9/54

Out: 0.000+/-0.000 χ^2/NDF:17587192.4/61

All: 0.000+/-0.000 χ^2/NDF: 33465162.9/116



Right In: 2404.893+/-291.028 χ^2/NDF: 16.6/31

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1641.030+/-286.303 χ^2/NDF: 34.4/36

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

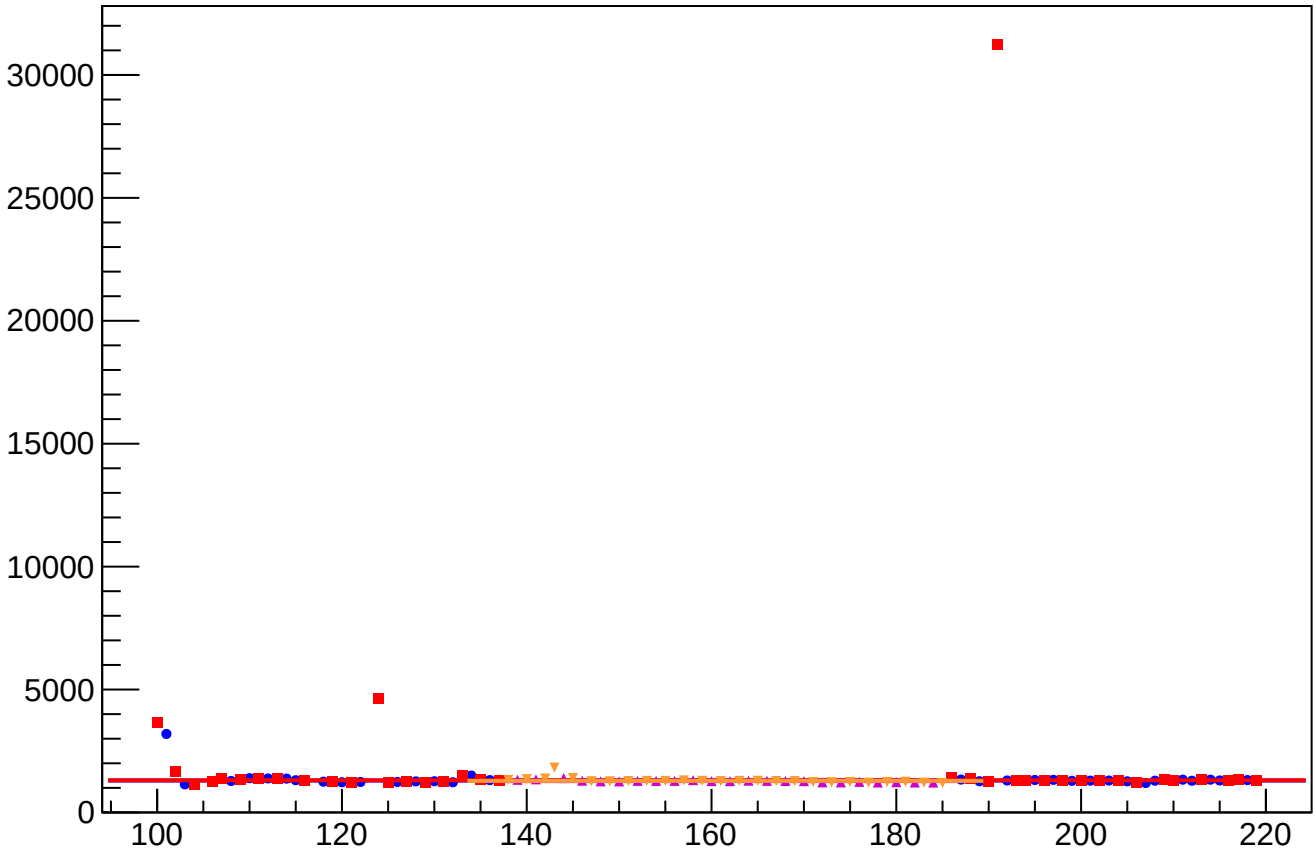
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2016.711+/-204.097 χ^2/NDF: 54.6/68

In: 2460.756+/-208.241 χ^2/NDF:39.2/54

Out: 1515.022+/-204.697 χ^2/NDF:67.7/61

All: 1979.773+/-145.980 χ^2/NDF: 117.4/116



Right In: 1298.831+/-0.206 χ^2/NDF: 535222.9/31

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1307.738+/-0.202 χ^2/NDF: 507123.4/36

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

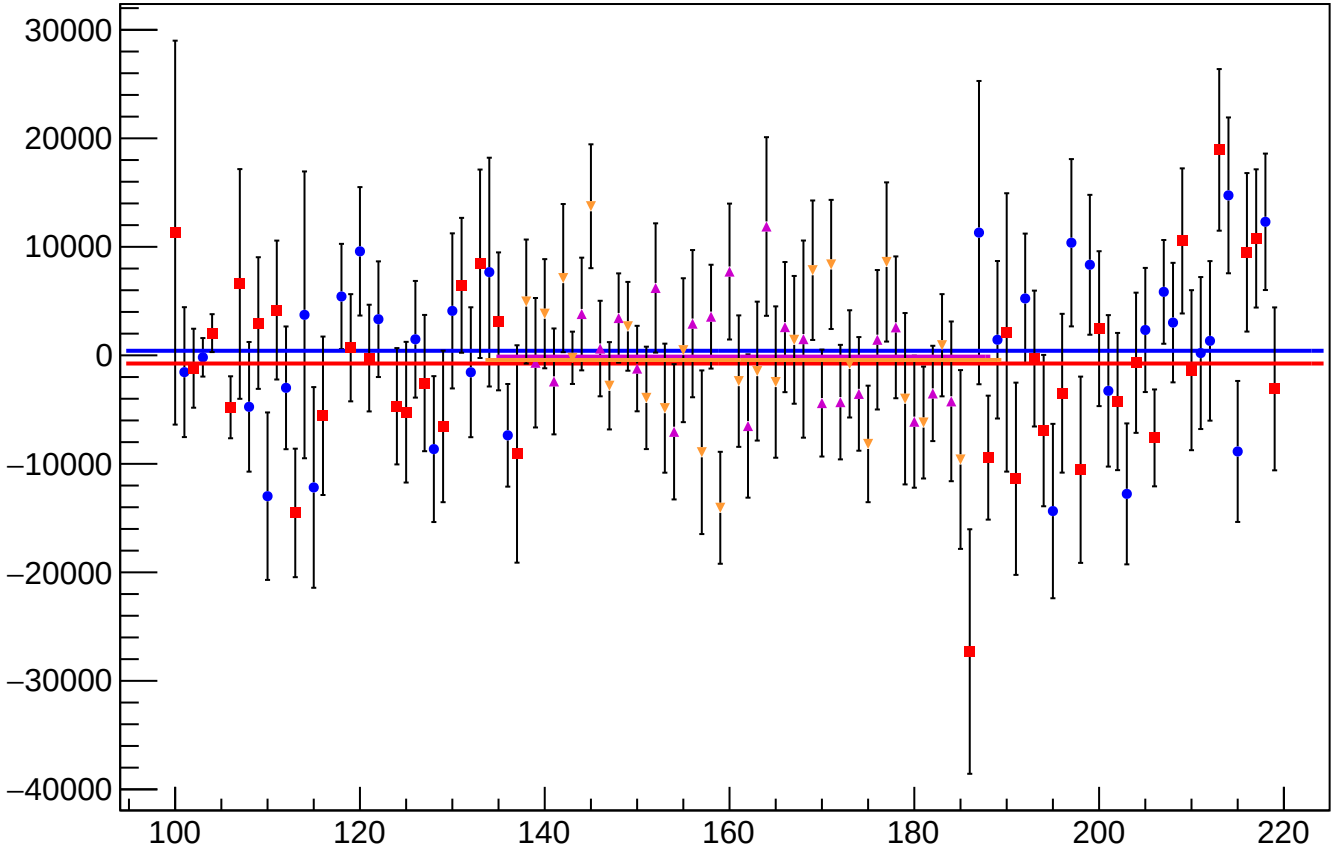
Right: 1303.362+/-0.144 χ^2/NDF: 1043299.2/68

In: 1287.660+/-0.147 χ^2/NDF:582660.0/54

Out: 1296.951+/-0.145 χ^2/NDF:703975.4/61

All: 1292.387+/-0.103 χ^2/NDF: 1288660.8/11

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 419.981+/-966.744 χ^2/NDF: 38.9/31

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: -753.935+/-886.655 χ^2/NDF: 47.4/36

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

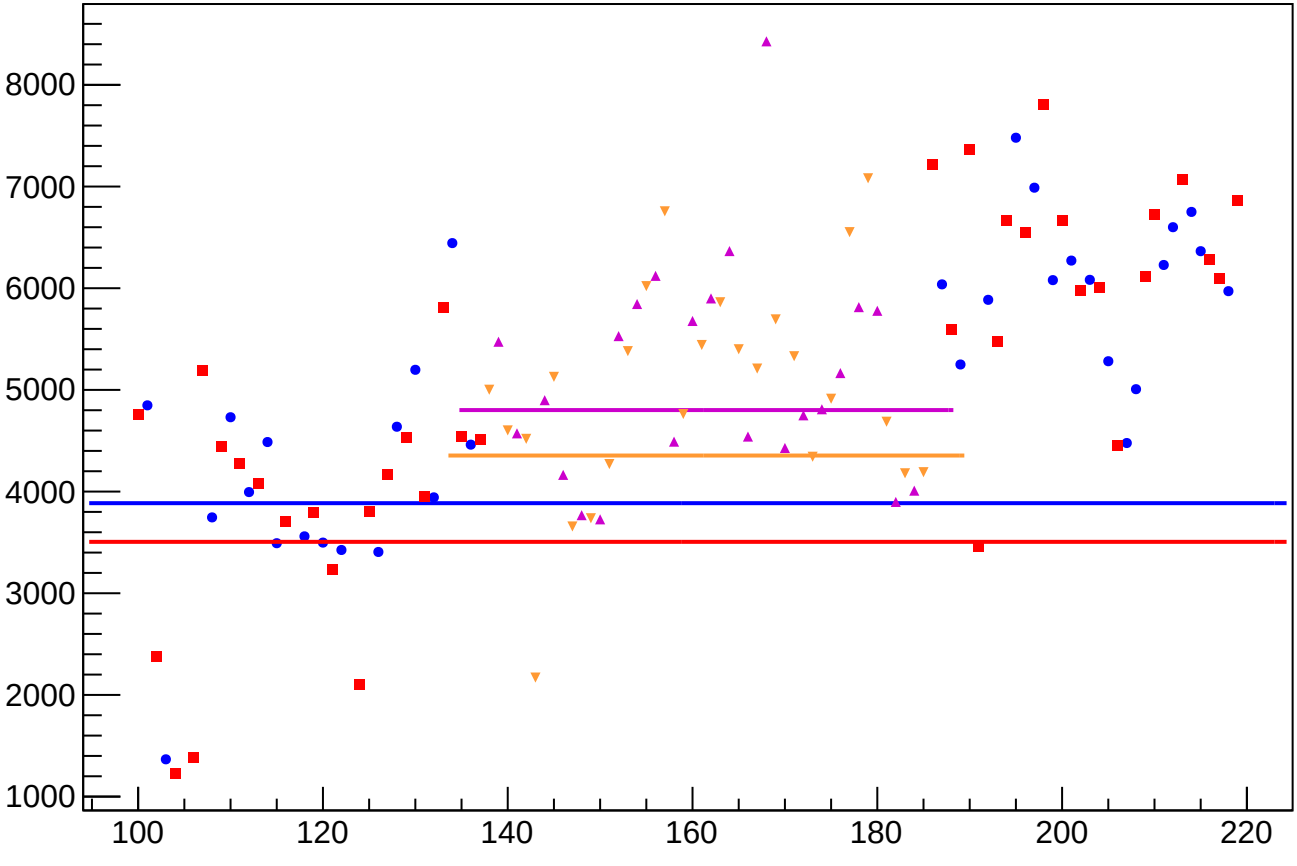
Right: -217.610+/-653.442 χ^2/NDF: 87.1/68

In: 195.456+/-738.585 χ^2/NDF:52.6/54

Out: -616.669+/-674.190 χ^2/NDF:77.3/61

All: -247.548+/-497.937 χ^2/NDF: 130.6/116

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 3885.937+/-0.684 χ^2/NDF: 7718827.9/31

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 3505.594+/-0.627 χ^2/NDF: 10670159.0/36

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

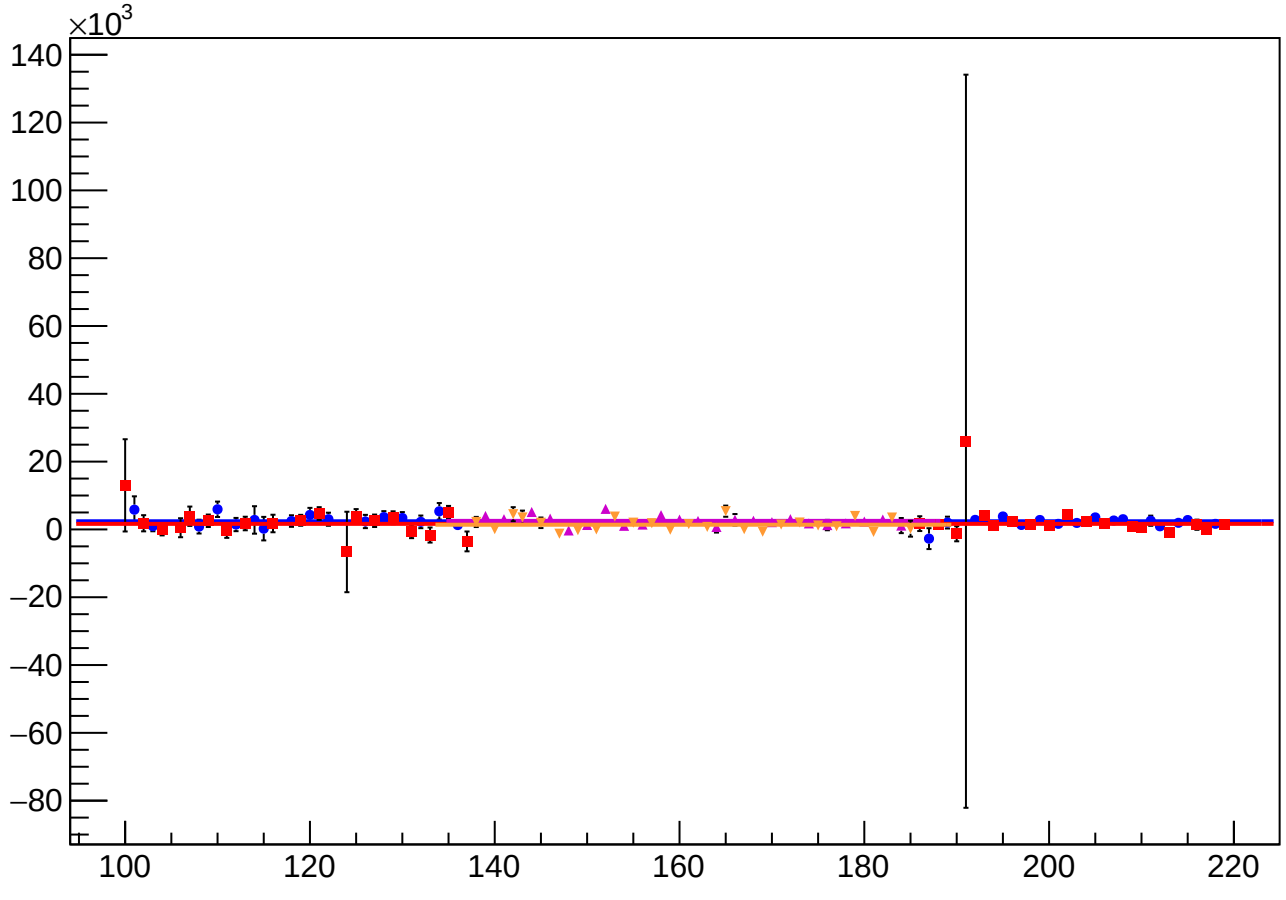
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3679.361+/-0.462 χ^2/NDF: 18557123.6/68

In: 4267.130+/-0.522 χ^2/NDF:9697632.9/54

Out: 3863.699+/-0.477 χ^2/NDF:14514996.9/61

All: 4047.064+/-0.352 χ^2/NDF: 24538128.6/



Right In: 2404.802+/-291.028 χ^2/NDF: 16.6/31

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1640.971+/-286.303 χ^2/NDF: 34.4/36

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

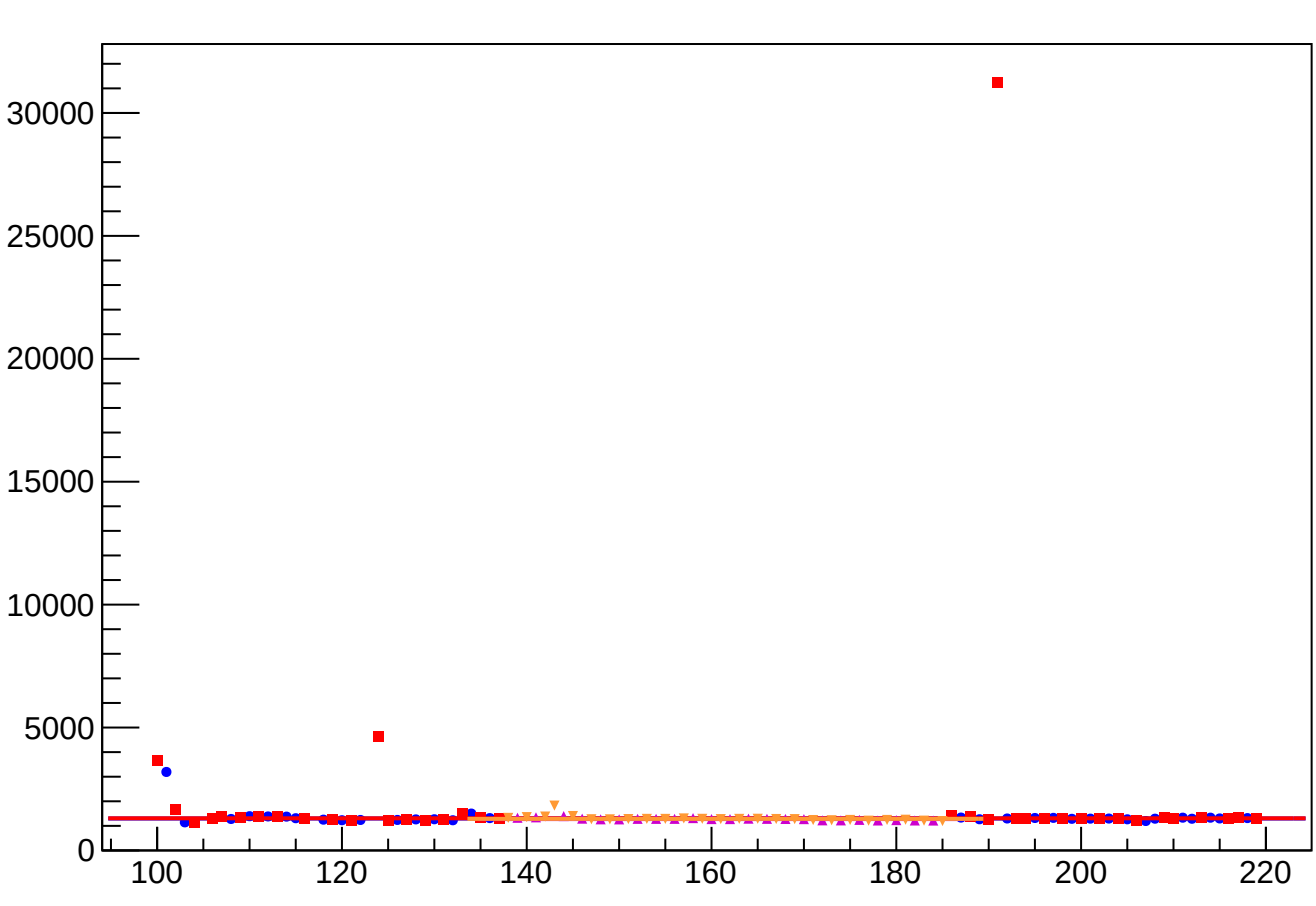
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2016.636+/-204.097 χ^2/NDF: 54.6/68

In: 2460.710+/-208.241 χ^2/NDF:39.2/54

Out: 1514.960+/-204.697 χ^2/NDF:67.8/61

All: 1979.719+/-145.980 χ^2/NDF: 117.4/116



Right In: 1298.831+/-0.206 χ^2/NDF: 535224.4/31

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1308.113+/-0.202 χ^2/NDF: 506789.3/36

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

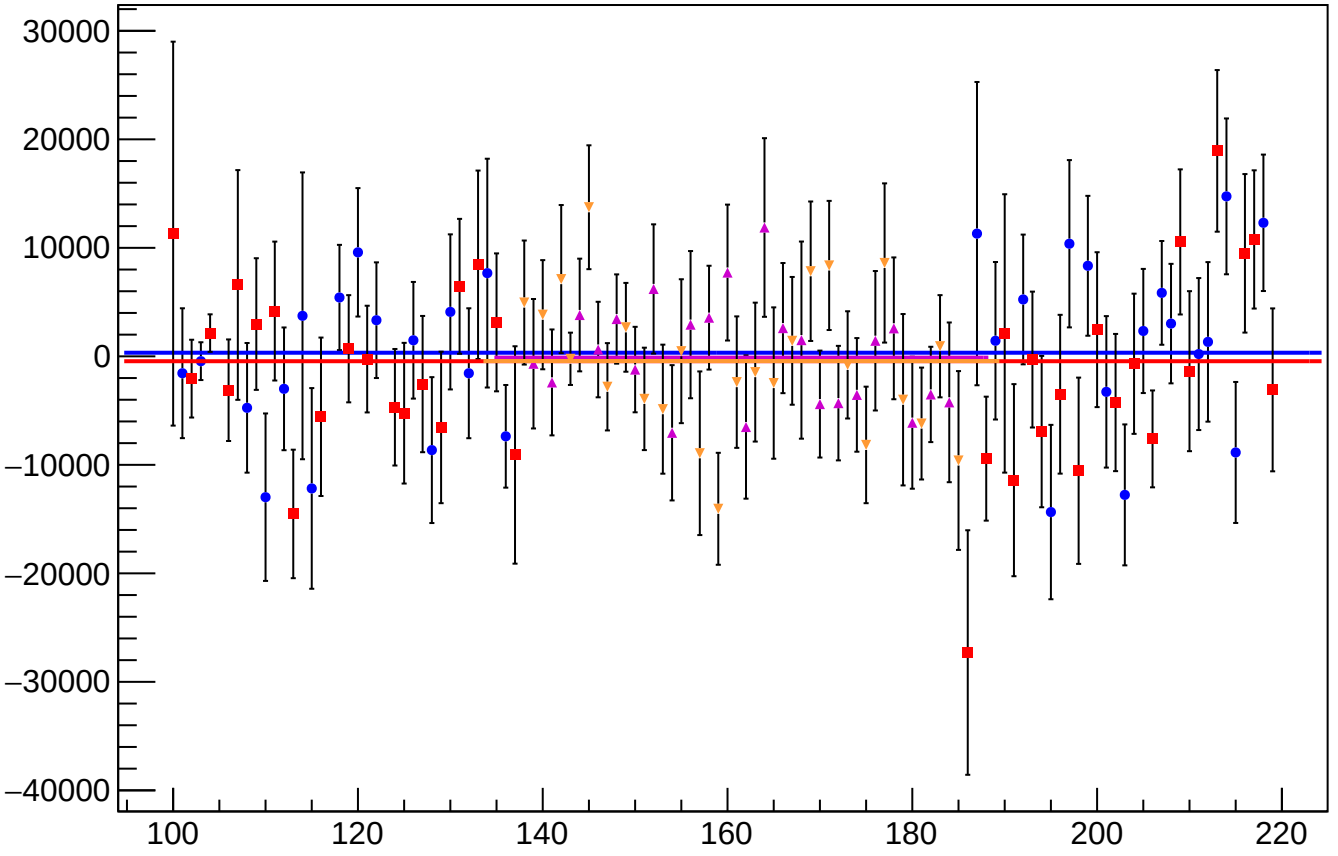
Right: 1303.551+/-0.144 χ^2/NDF: 1043048.3/68

In: 1287.660+/-0.147 χ^2/NDF:582661.5/54

Out: 1297.139+/-0.145 χ^2/NDF:703839.1/61

All: 1292.483+/-0.103 χ^2/NDF: 1288608.7/11

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 333.499+/-961.167 χ^2/NDF: 39.0/31

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -449.292+/-911.556 χ^2/NDF: 45.9/36

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

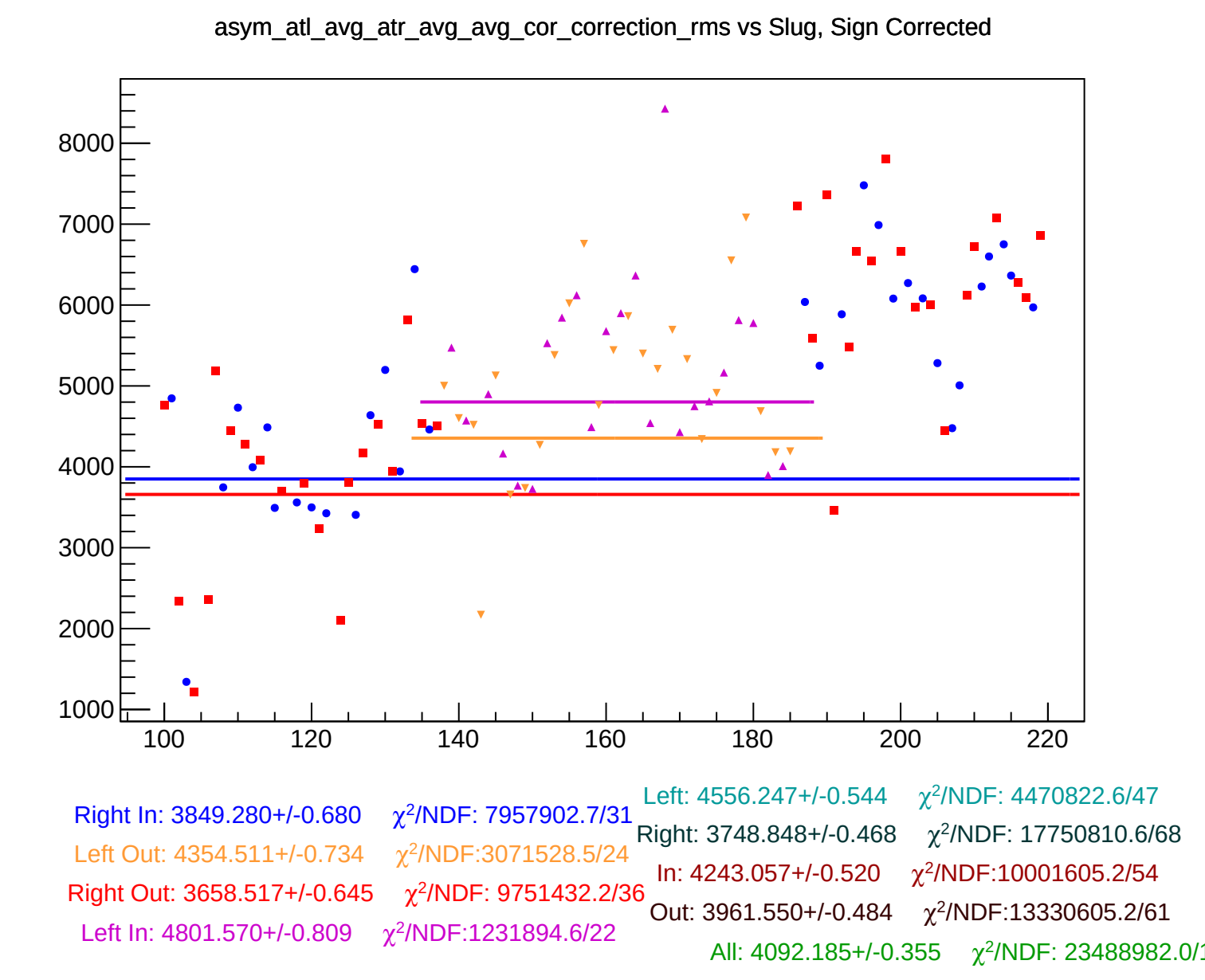
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

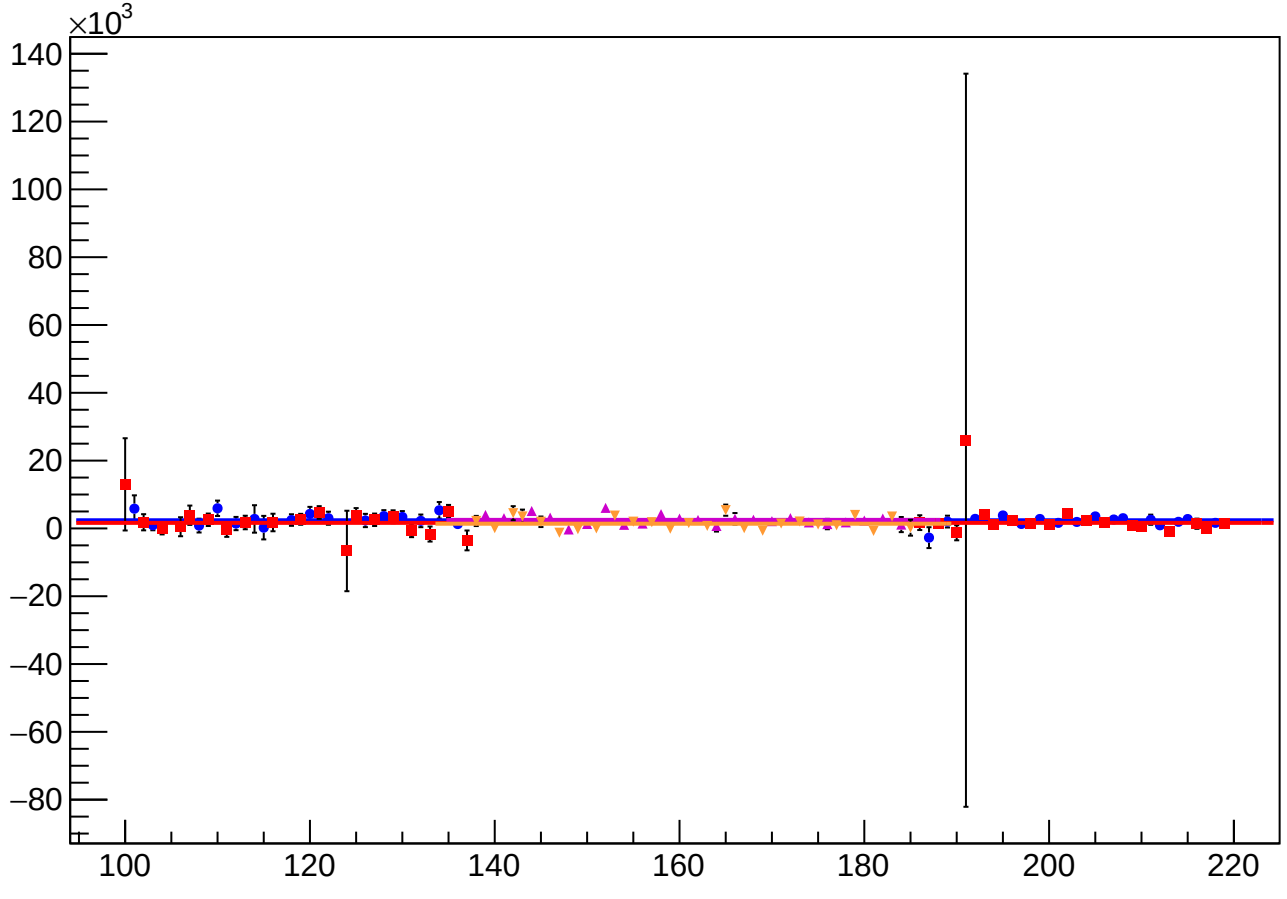
Right: -78.620+/-661.411 χ^2/NDF: 85.3/68

In: 146.261+/-736.089 χ^2/NDF:52.7/54

Out: -440.250+/-684.944 χ^2/NDF:75.7/61

All: -168.077+/-501.436 χ^2/NDF: 128.8/116


asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 3849.280+/-0.680 χ²/NDF: 7957902.7/31
Left Out: 4354.511+/-0.734 χ²/NDF:3071528.5/24
Right Out: 3658.517+/-0.645 χ²/NDF: 9751432.2/36
Left In: 4801.570+/-0.809 χ²/NDF:1231894.6/22
Left: 4556.247+/-0.544 χ²/NDF: 4470822.6/47
Right: 3748.848+/-0.468 χ²/NDF: 17750810.6/68
In: 4243.057+/-0.520 χ²/NDF:10001605.2/54
Out: 3961.550+/-0.484 χ²/NDF:13330605.2/61
All: 4092.185+/-0.355 χ²/NDF: 23488982.0/



Right In: 2404.802+/-291.028 χ^2/NDF: 16.6/31

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1640.971+/-286.303 χ^2/NDF: 34.4/36

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

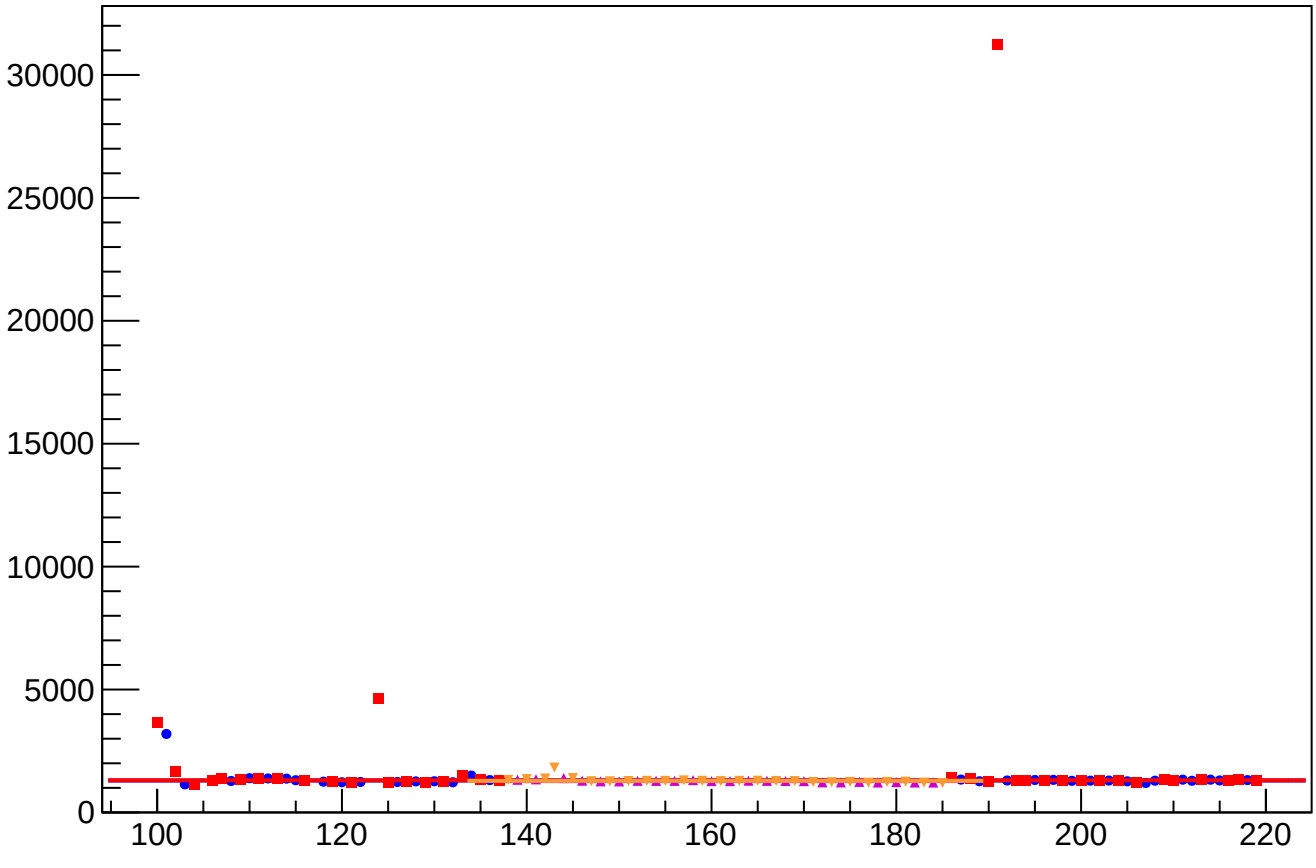
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2016.636+/-204.097 χ^2/NDF: 54.6/68

In: 2460.710+/-208.241 χ^2/NDF:39.2/54

Out: 1514.960+/-204.697 χ^2/NDF:67.8/61

All: 1979.719+/-145.980 χ^2/NDF: 117.4/116



Right In: 1298.831+/-0.206 χ^2/NDF: 535224.4/31

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1308.113+/-0.202 χ^2/NDF: 506789.3/36

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

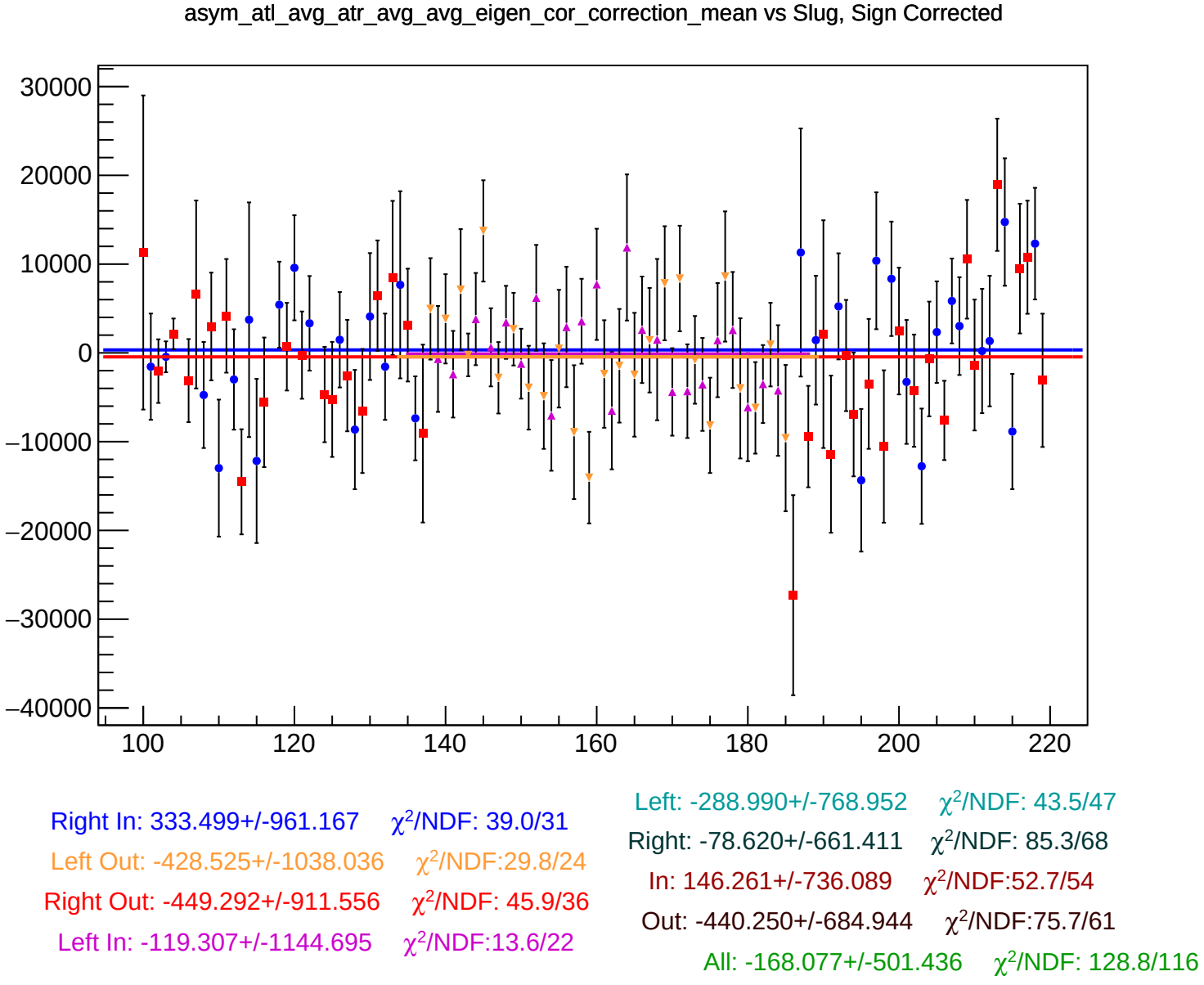
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

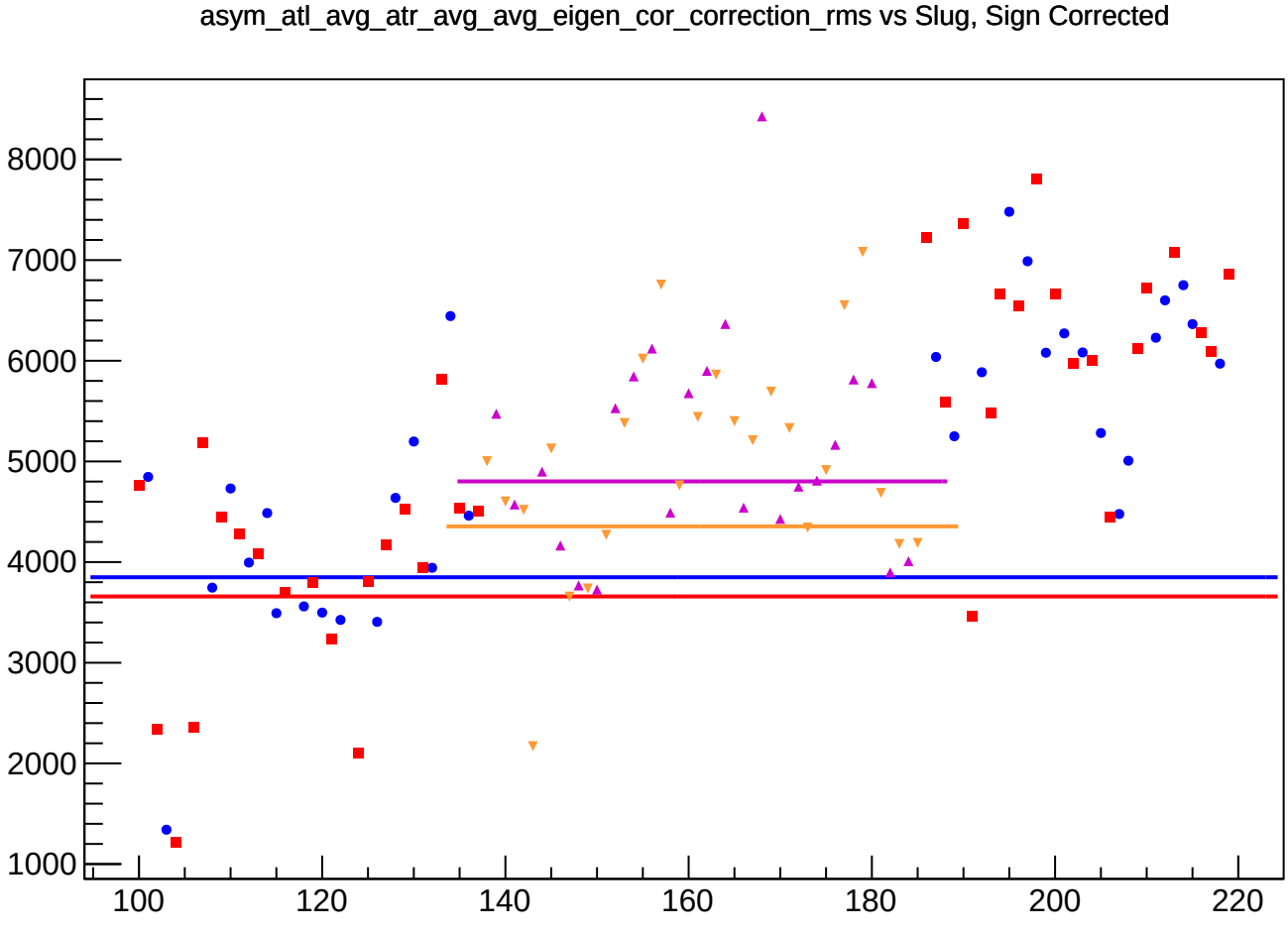
Right: 1303.551+/-0.144 χ^2/NDF: 1043048.3/68

In: 1287.660+/-0.147 χ^2/NDF:582661.5/54

Out: 1297.139+/-0.145 χ^2/NDF:703839.1/61

All: 1292.483+/-0.103 χ^2/NDF: 1288608.7/11


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: 333.499+/-961.167 χ²/NDF: 39.0/31
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: -449.292+/-911.556 χ²/NDF: 45.9/36
Left In: -119.307+/-1144.695 χ²/NDF:13.6/22
Left: -288.990+/-768.952 χ²/NDF: 43.5/47
Right: -78.620+/-661.411 χ²/NDF: 85.3/68
In: 146.261+/-736.089 χ²/NDF:52.7/54
Out: -440.250+/-684.944 χ²/NDF:75.7/61
All: -168.077+/-501.436 χ²/NDF: 128.8/116



Right In: 3849.280+/-0.680 χ^2/NDF: 7957902.7/31

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3658.517+/-0.645 χ^2/NDF: 9751432.2/36

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

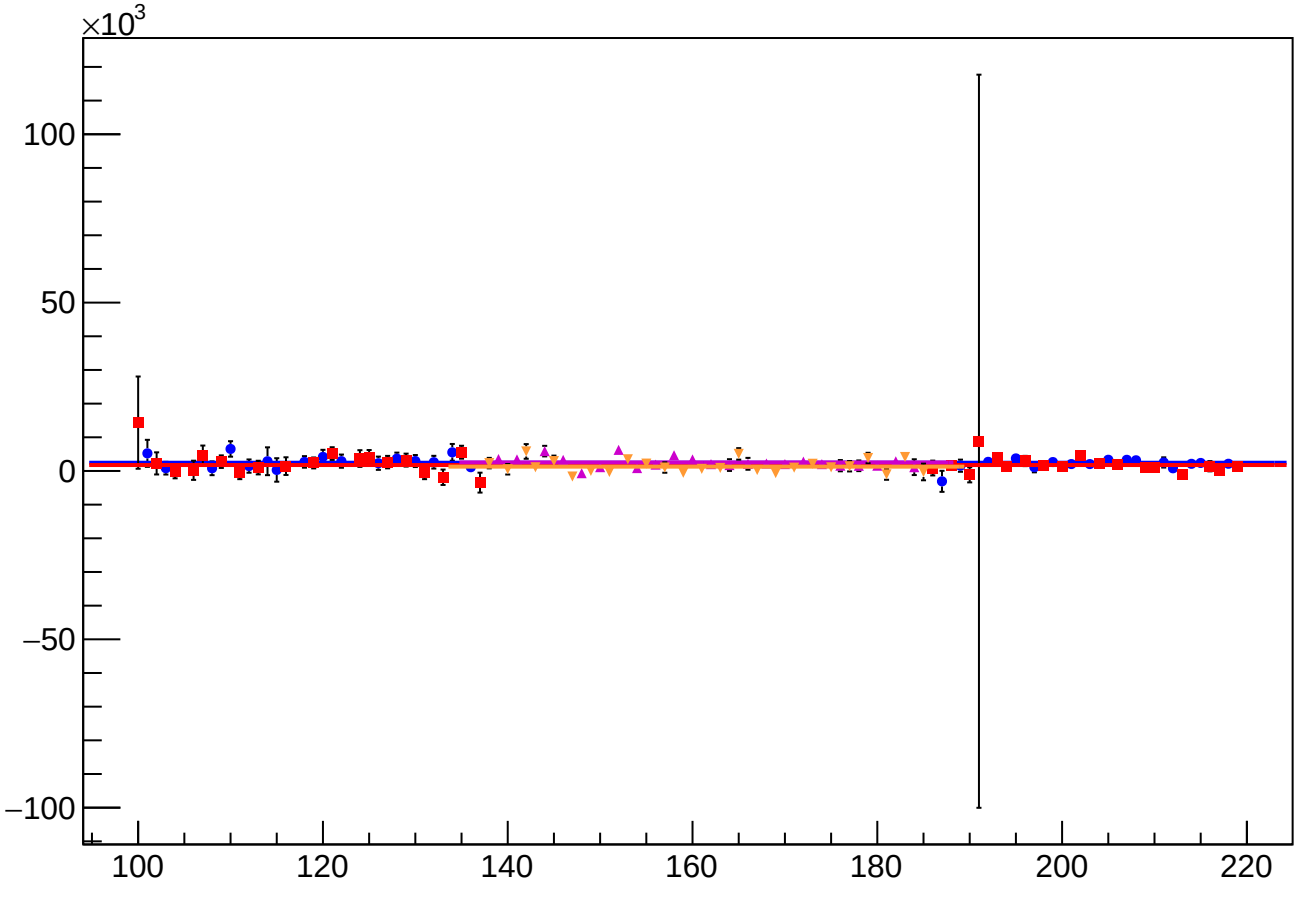
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3748.848+/-0.468 χ^2/NDF: 17750810.6/68

In: 4243.057+/-0.520 χ^2/NDF:10001605.2/54

Out: 3961.550+/-0.484 χ^2/NDF:13330605.2/61

All: 4092.185+/-0.355 χ^2/NDF: 23488982.0/



Right In: 2446.756+/-297.935 χ^2/NDF: 17.0/31

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: 1763.057+/-291.827 χ^2/NDF: 36.1/36

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

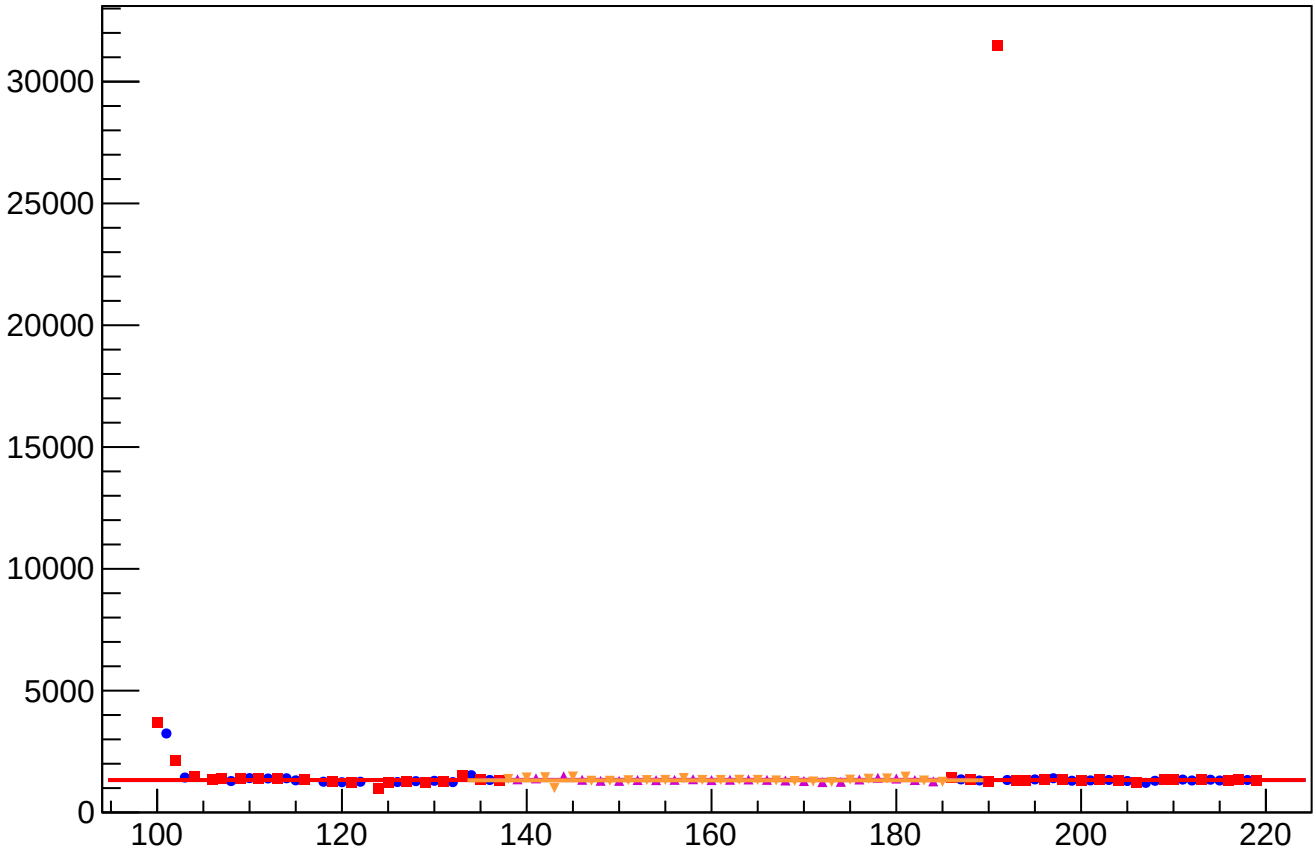
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2097.826+/-208.479 χ^2/NDF: 55.8/68

In: 2487.193+/-215.764 χ^2/NDF:42.1/54

Out: 1530.770+/-209.362 χ^2/NDF:70.8/61

All: 1994.581+/-150.254 χ^2/NDF: 123.0/116



Right In: 1329.498+/-0.211 χ^2/NDF: 523413.9/31

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1331.739+/-0.206 χ^2/NDF: 450004.0/36

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

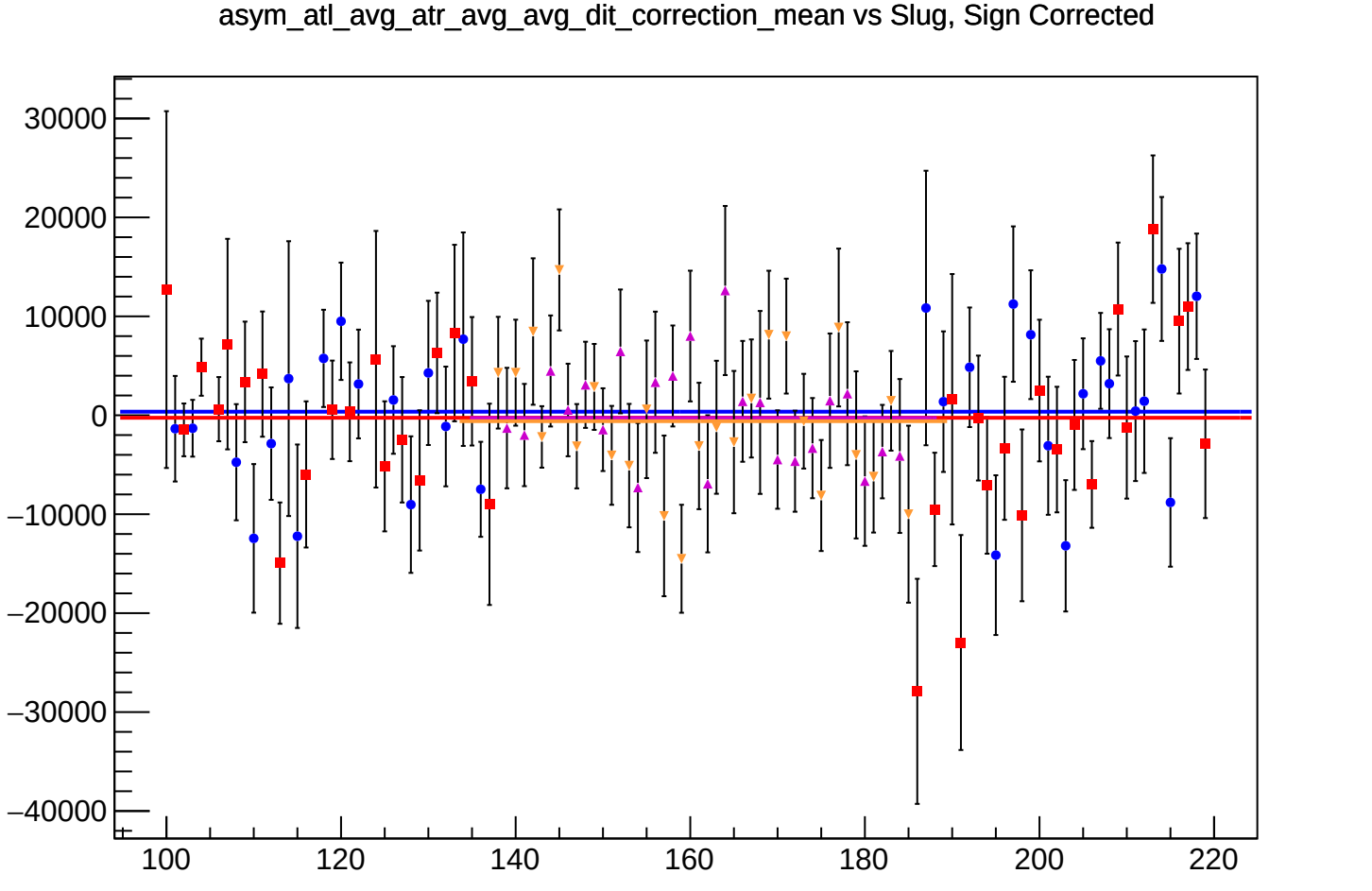
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1330.642+/-0.147 χ^2/NDF: 973475.7/68

In: 1333.827+/-0.153 χ^2/NDF:578550.5/54

Out: 1325.158+/-0.148 χ^2/NDF:700649.3/61

All: 1329.361+/-0.106 χ^2/NDF: 1280863.2/11



Right In: 362.318+/-1071.012 χ^2/NDF: 38.5/31

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

Right Out: -252.811+/-969.958 χ^2/NDF: 48.9/36

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

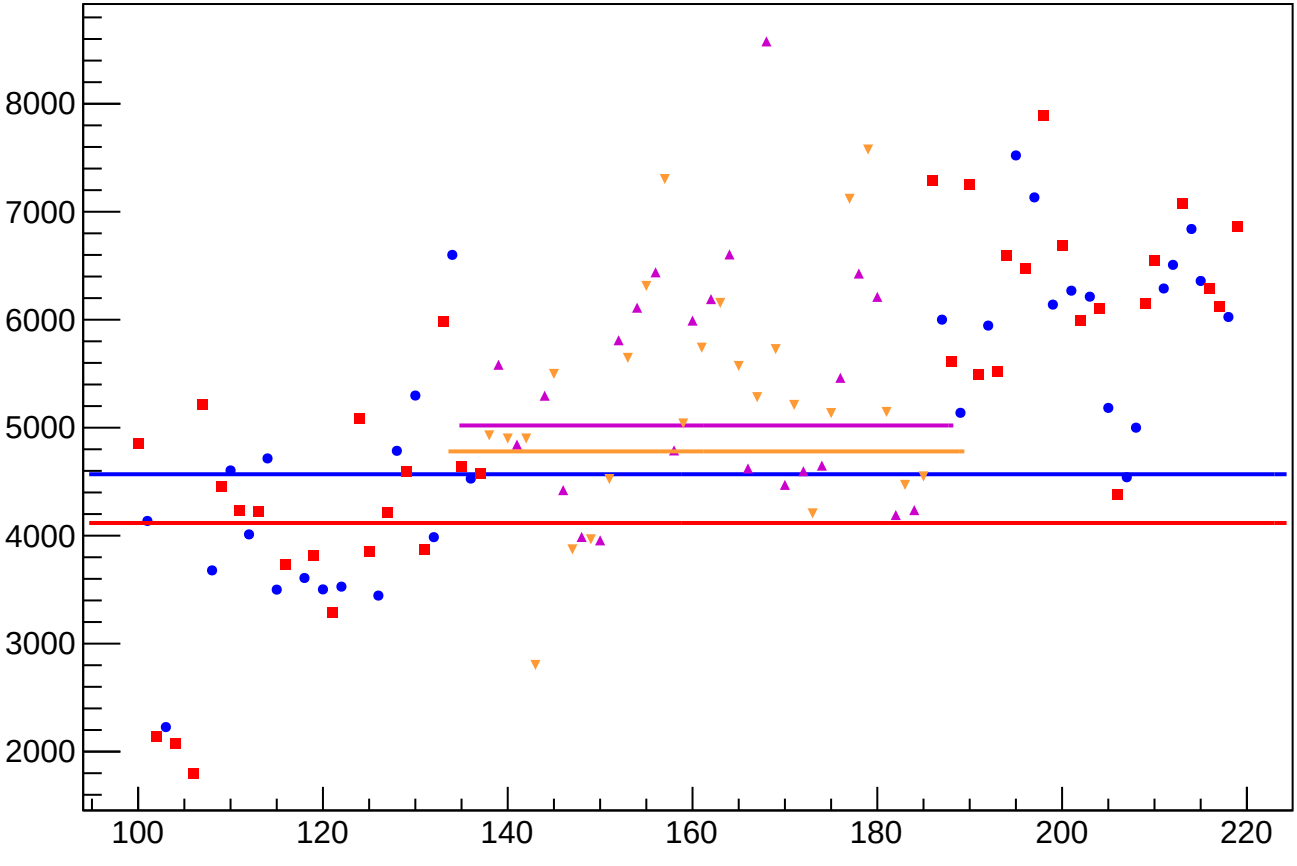
Right: 24.371+/-718.942 χ^2/NDF: 87.5/68

In: 79.829+/-798.100 χ^2/NDF:52.1/54

Out: -399.087+/-733.857 χ^2/NDF:78.4/61

All: -179.678+/-540.201 χ^2/NDF: 130.7/116

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4568.841+/-0.757 χ^2/NDF: 3574556.4/31

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 4117.376+/-0.686 χ^2/NDF: 6739303.3/36

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

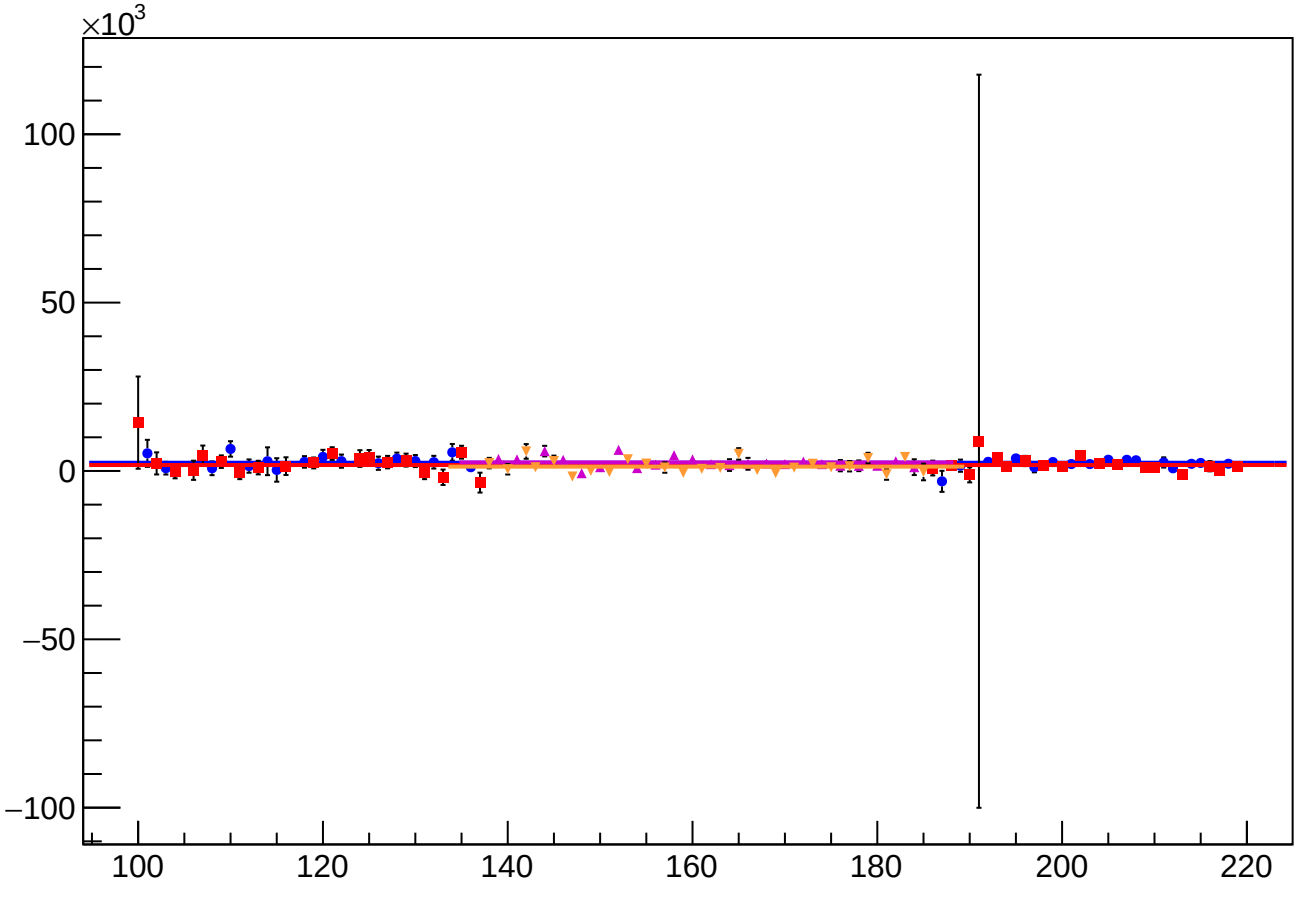
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 4320.810+/-0.508 χ^2/NDF: 10509101.1/68

In: 4769.721+/-0.564 χ^2/NDF:4957862.9/54

Out: 4400.868+/-0.519 χ^2/NDF:9145117.8/61

All: 4569.854+/-0.382 χ^2/NDF: 14334458.5/1



Right In: 2446.752+/-297.935 χ^2/NDF: 17.0/31

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 1763.055+/-291.827 χ^2/NDF: 36.1/36

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

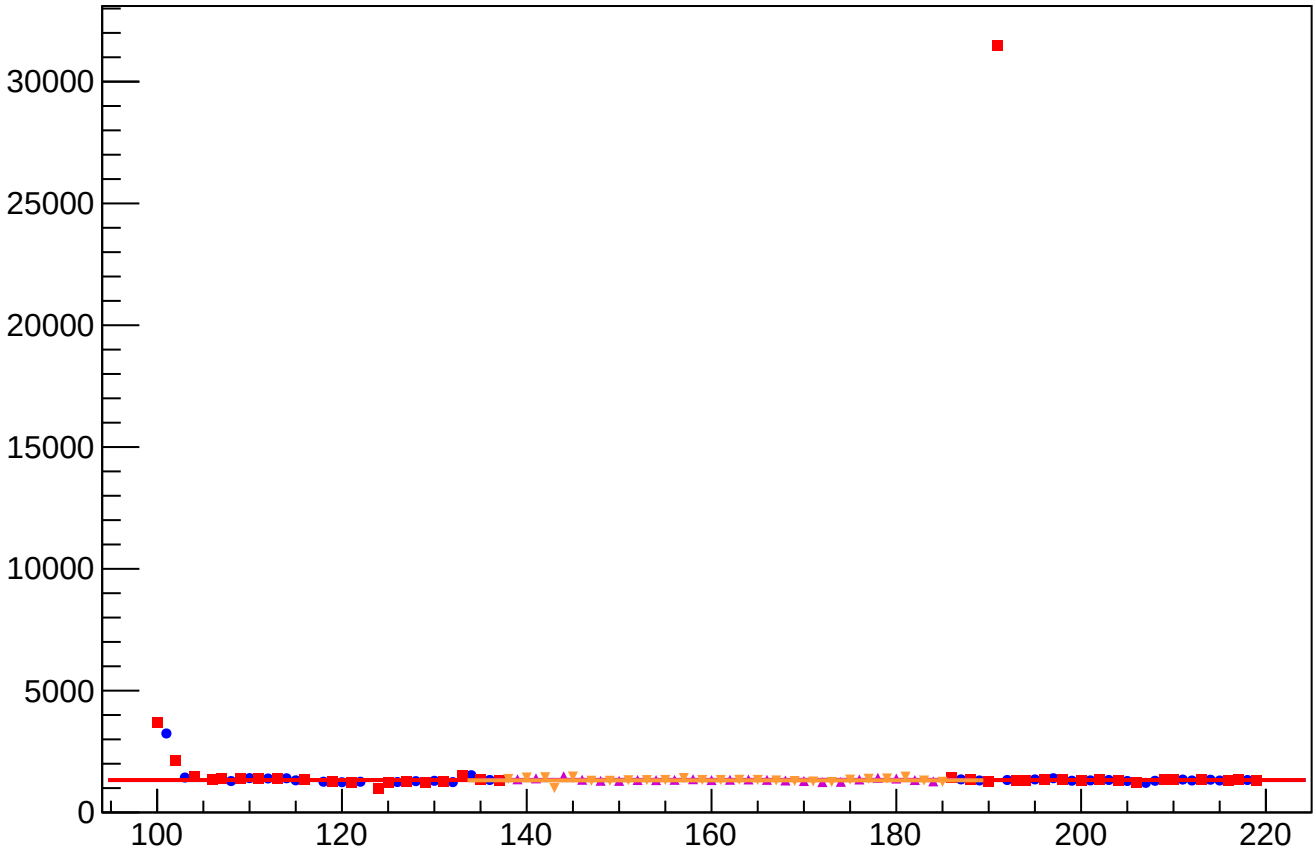
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2097.823+/-208.479 χ^2/NDF: 55.8/68

In: 2487.191+/-215.764 χ^2/NDF:42.1/54

Out: 1530.766+/-209.362 χ^2/NDF:70.8/61

All: 1994.579+/-150.254 χ^2/NDF: 123.0/116



Right In: 1329.497+/-0.211 χ^2/NDF: 523414.0/31

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1331.739+/-0.206 χ^2/NDF: 450003.0/36

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

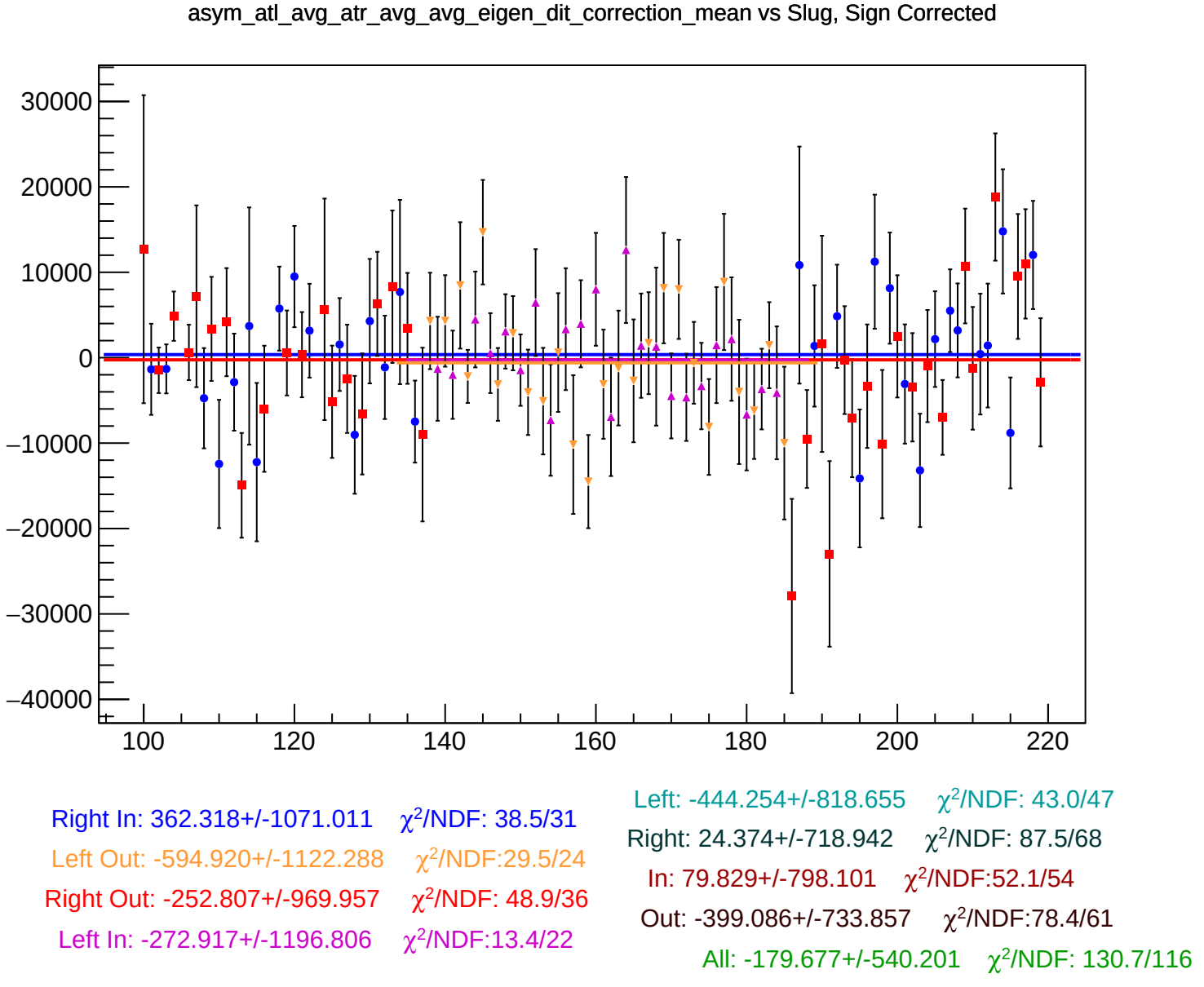
Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

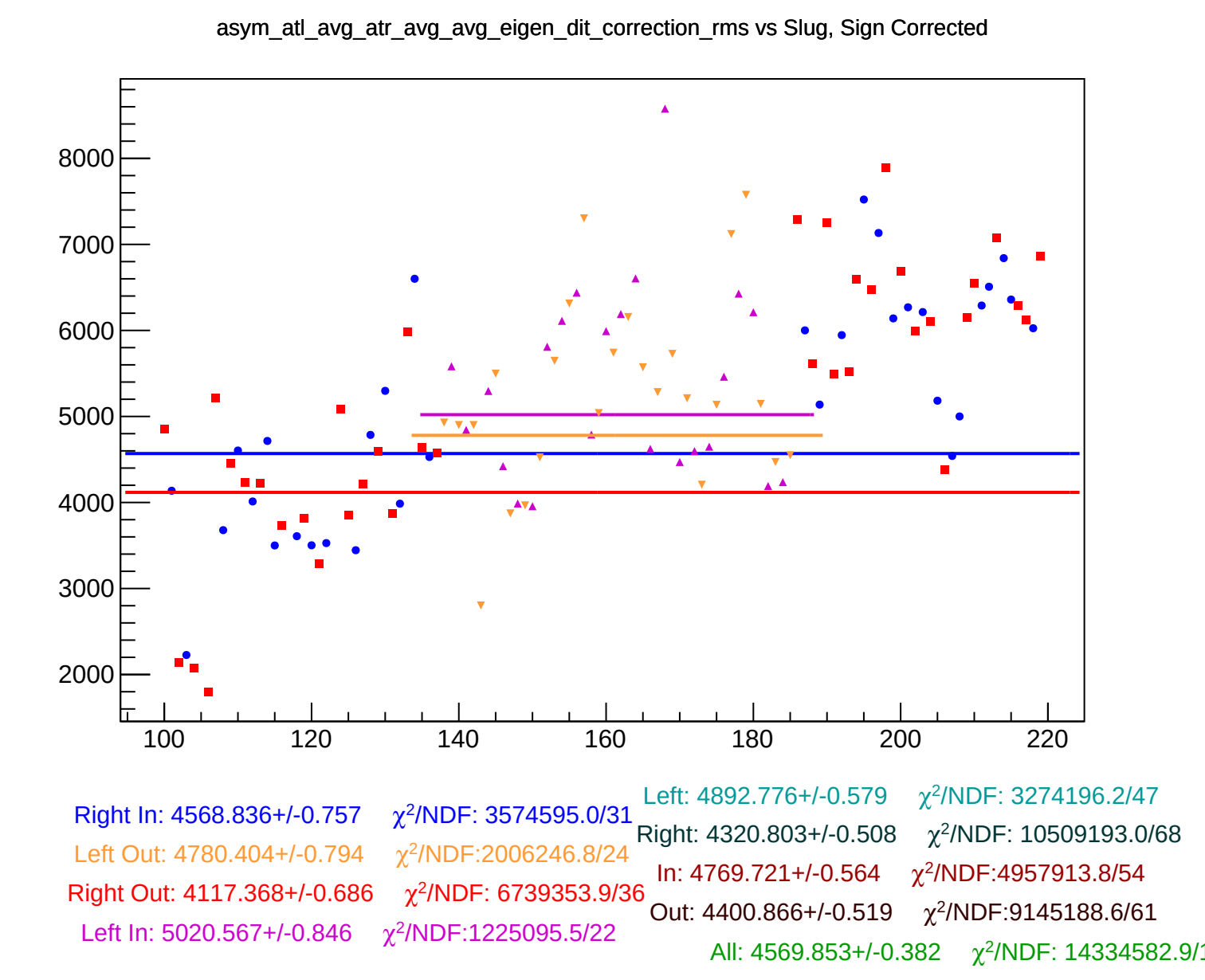
Right: 1330.642+/-0.147 χ^2/NDF: 973474.8/68

In: 1333.828+/-0.153 χ^2/NDF:578553.5/54

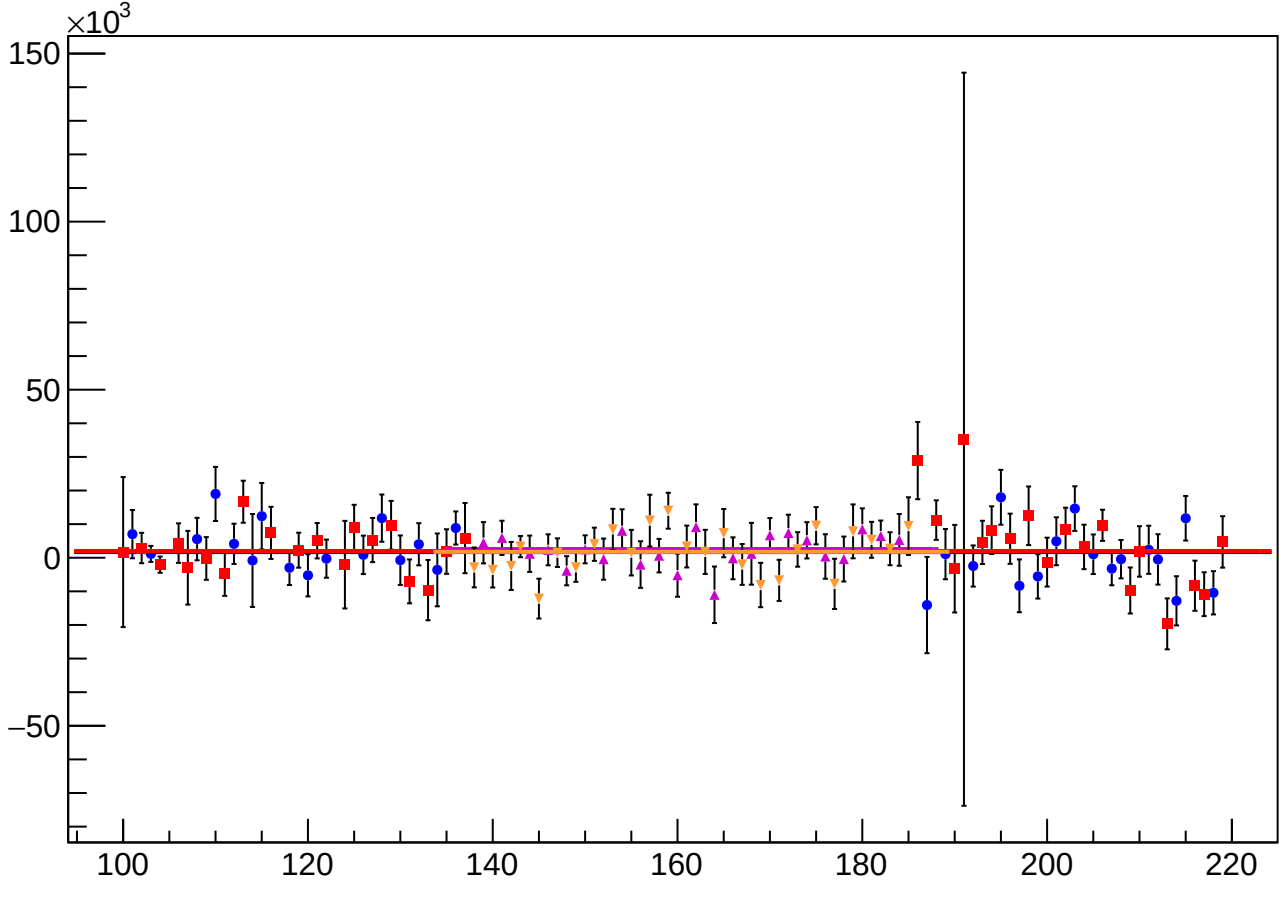
Out: 1325.158+/-0.148 χ^2/NDF:700650.4/61

All: 1329.362+/-0.106 χ^2/NDF: 1280867.3/11


asym_atl_avg_atr_avg_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: 362.318+/-1071.011 χ²/NDF: 38.5/31
Left Out: -594.920+/-1122.288 χ²/NDF:29.5/24
Right Out: -252.807+/-969.957 χ²/NDF: 48.9/36
Left In: -272.917+/-1196.806 χ²/NDF:13.4/22
Left: -444.254+/-818.655 χ²/NDF: 43.0/47
Right: 24.374+/-718.942 χ²/NDF: 87.5/68
In: 79.829+/-798.101 χ²/NDF:52.1/54
Out: -399.086+/-733.857 χ²/NDF:78.4/61
All: -179.677+/-540.201 χ²/NDF: 130.7/116


asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 4568.836+/-0.757 χ²/NDF: 3574595.0/31
Left Out: 4780.404+/-0.794 χ²/NDF:2006246.8/24
Right Out: 4117.368+/-0.686 χ²/NDF: 6739353.9/36
Left In: 5020.567+/-0.846 χ²/NDF:1225095.5/22
Left: 4892.776+/-0.579 χ²/NDF: 3274196.2/47
Right: 4320.803+/-0.508 χ²/NDF: 10509193.0/68
In: 4769.721+/-0.564 χ²/NDF:4957913.8/54
Out: 4400.866+/-0.519 χ²/NDF:9145188.6/61
All: 4569.853+/-0.382 χ²/NDF: 14334582.9/

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 1681.377+/-1073.804 χ^2/NDF: 37.3/31

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 2012.377+/-1051.607 χ^2/NDF: 48.7/36

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

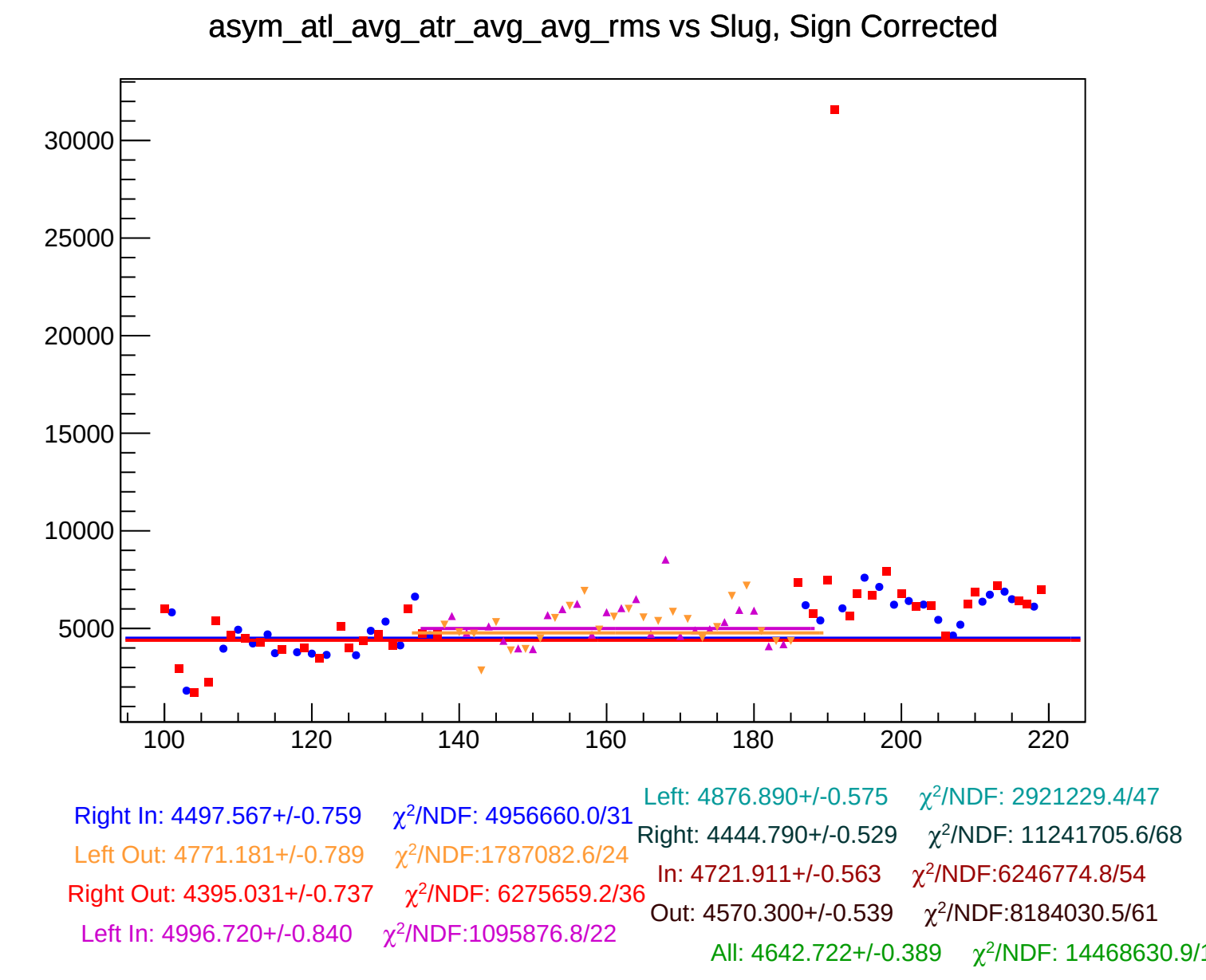
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

Right: 1850.333+/-751.323 χ^2/NDF: 86.0/68

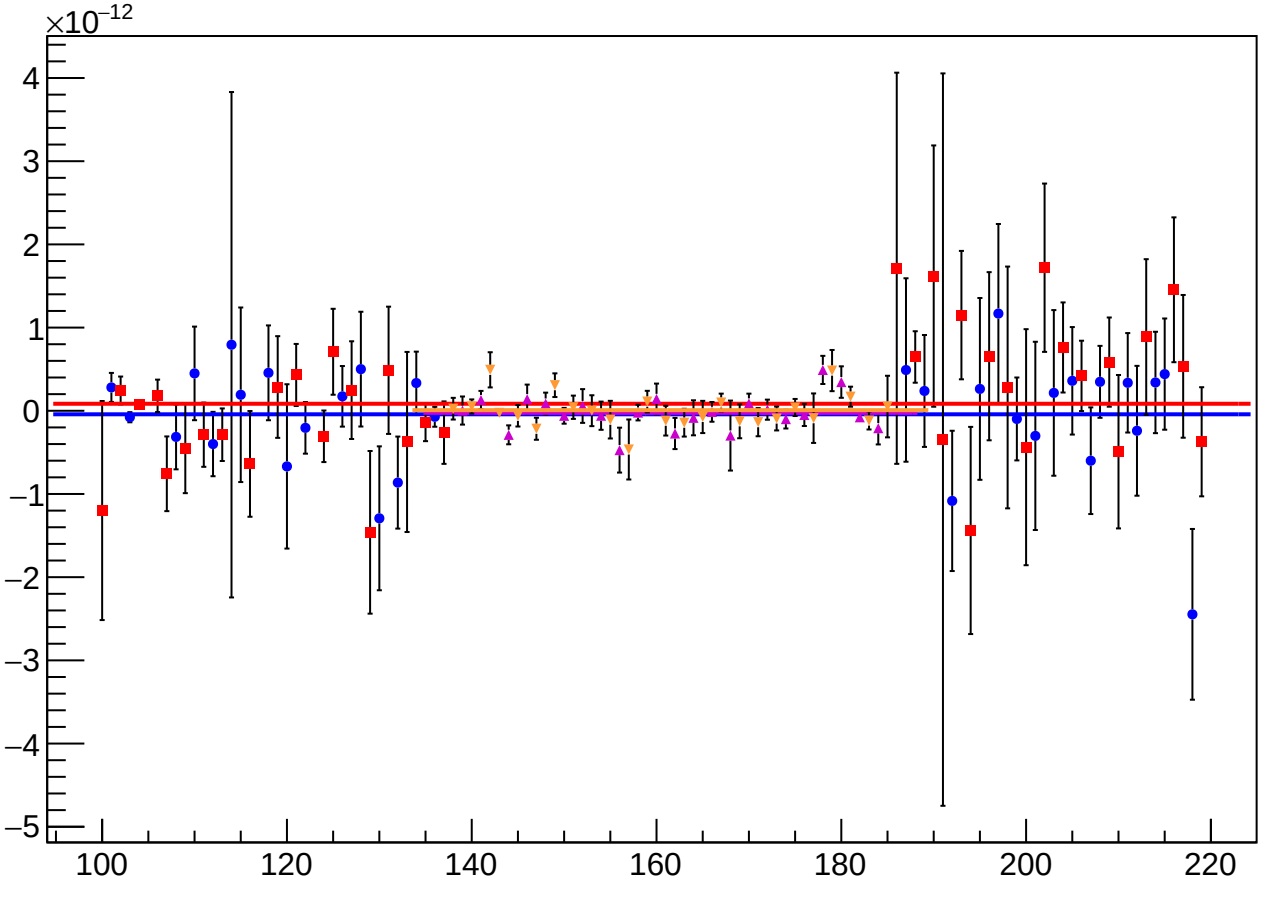
In: 2085.247+/-796.750 χ^2/NDF:50.9/54

Out: 1894.497+/-765.425 χ^2/NDF:76.4/61

All: 1986.049+/-551.979 χ^2/NDF: 127.3/116


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: 4497.567+/-0.759 χ²/NDF: 4956660.0/31
Left Out: 4771.181+/-0.789 χ²/NDF:1787082.6/24
Right Out: 4395.031+/-0.737 χ²/NDF: 6275659.2/36
Left In: 4996.720+/-0.840 χ²/NDF:1095876.8/22
Left: 4876.890+/-0.575 χ²/NDF: 2921229.4/47
Right: 4444.790+/-0.529 χ²/NDF: 11241705.6/68
In: 4721.911+/-0.563 χ²/NDF:6246774.8/54
Out: 4570.300+/-0.539 χ²/NDF:8184030.5/61
All: 4642.722+/-0.389 χ²/NDF: 14468630.9/1

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.9/36

Left In: -0.000+/-0.000 χ^2/NDF:31.7/22

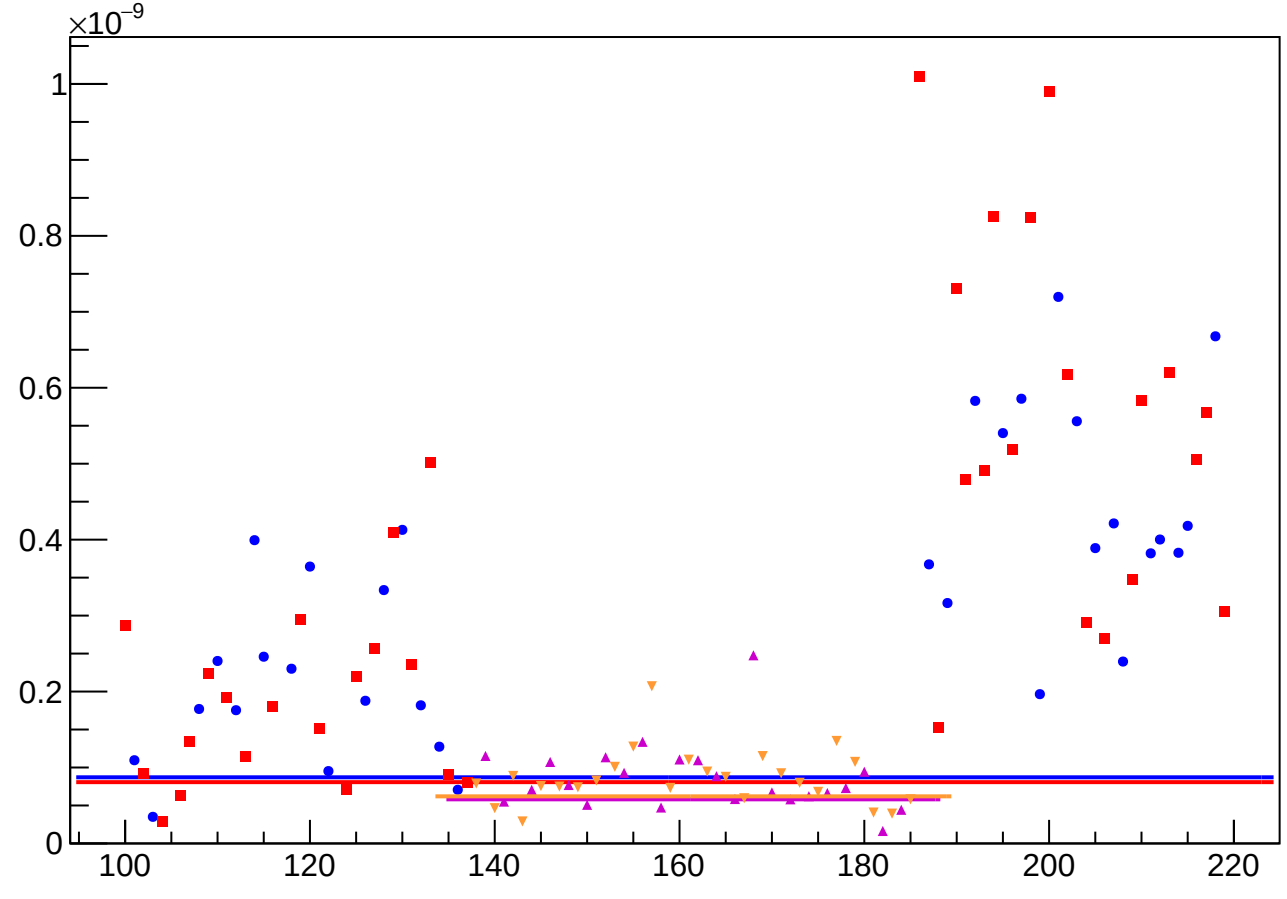
Left: -0.000+/-0.000 χ^2/NDF: 59.5/47

Right: 0.000+/-0.000 χ^2/NDF: 67.6/68

In: -0.000+/-0.000 χ^2/NDF:57.8/54

Out: 0.000+/-0.000 χ^2/NDF:67.1/61

All: -0.000+/-0.000 χ^2/NDF: 127.8/116



Right In: 0.000+/-0.000 χ^2/NDF: 9641981.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11451228.2/36

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

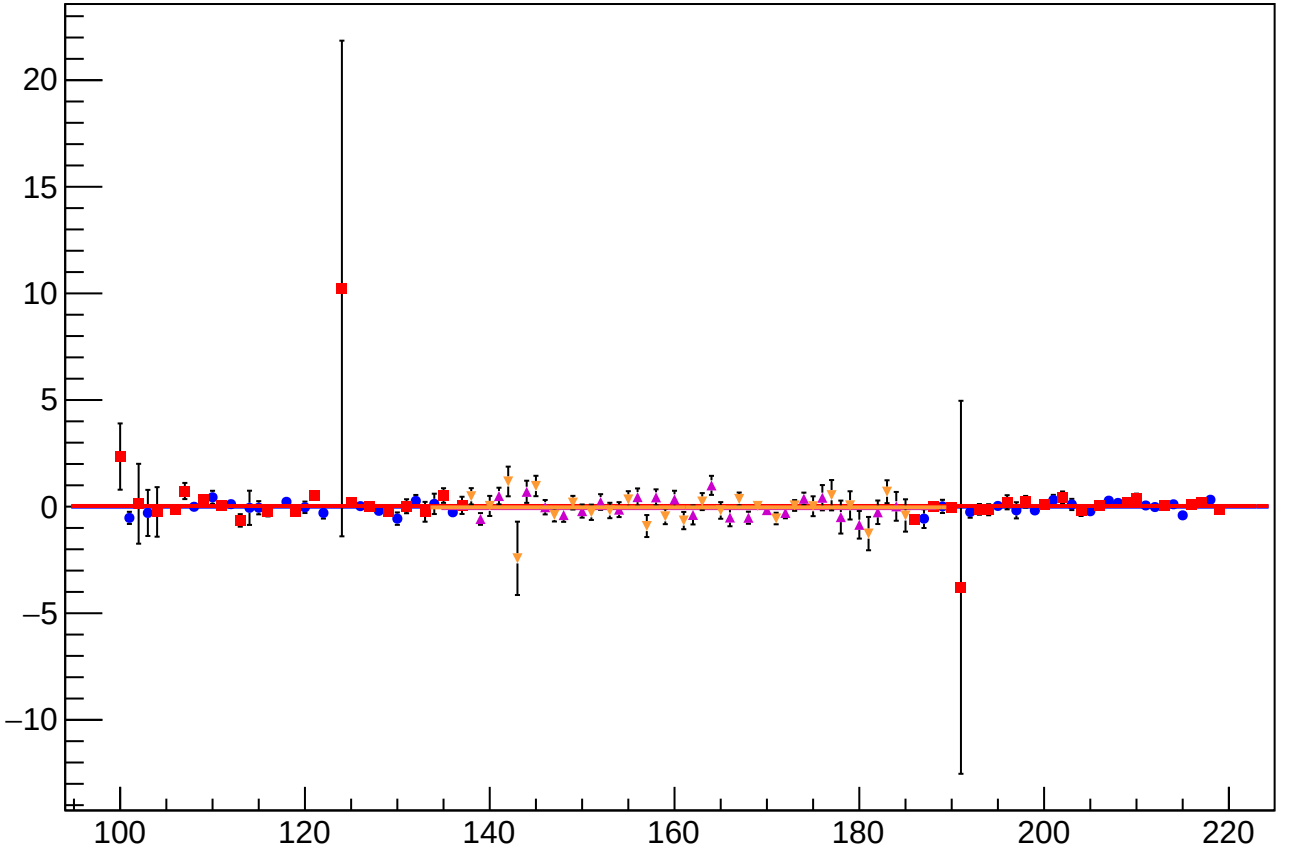
Right: 0.000+/-0.000 χ^2/NDF: 21112167.4/68

In: 0.000+/-0.000 χ^2/NDF:13193011.2/54

Out: 0.000+/-0.000 χ^2/NDF:14147641.1/61

All: 0.000+/-0.000 χ^2/NDF: 27345185.9/116

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.040 χ^2/NDF: 39.2/31

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.030+/-0.037 χ^2/NDF: 45.4/36

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

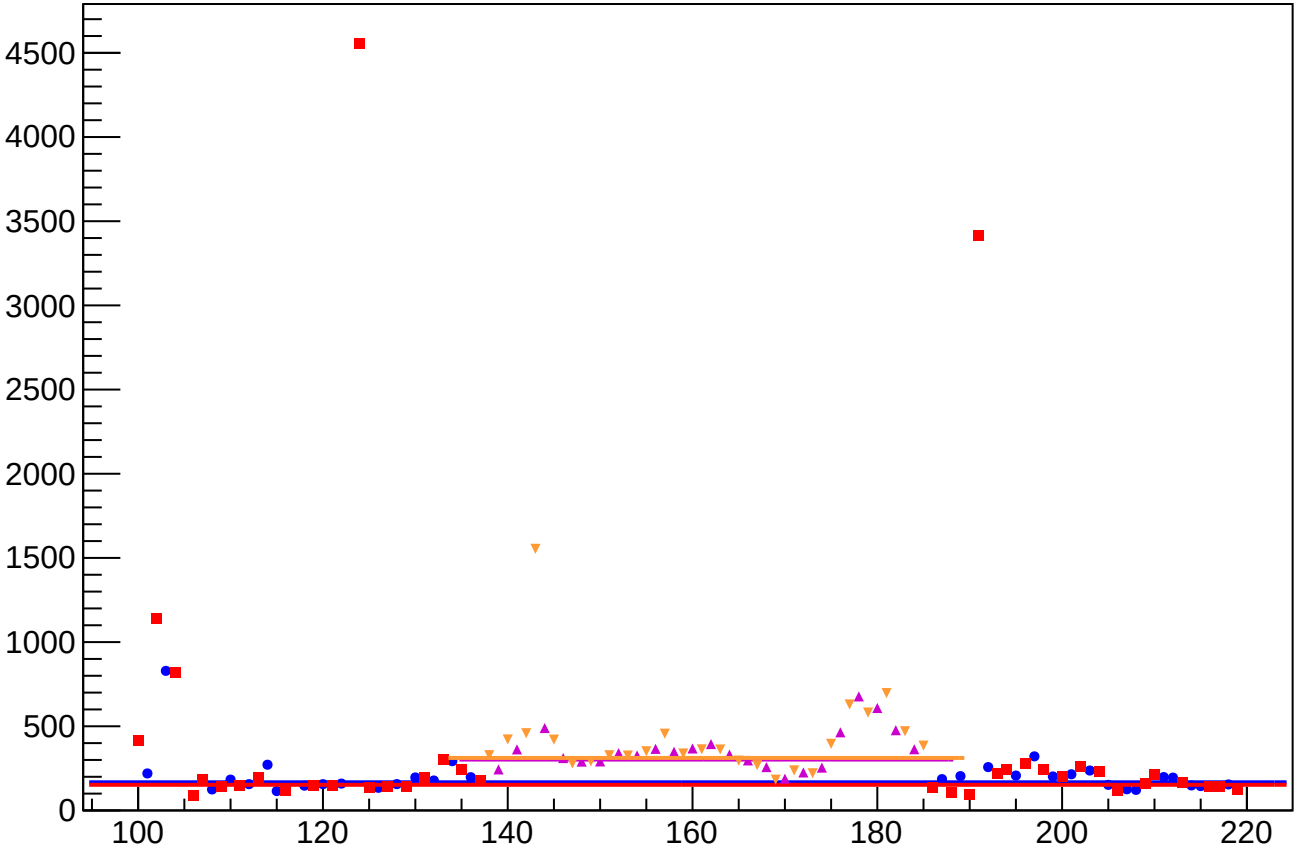
Right: 0.016+/-0.027 χ^2/NDF: 85.0/68

In: -0.016+/-0.035 χ^2/NDF:69.8/54

Out: 0.018+/-0.033 χ^2/NDF:78.5/61

All: 0.002+/-0.024 χ^2/NDF: 148.8/116

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 167.171+/-0.028 χ^2/NDF: 2758703.0/31

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 152.429+/-0.026 χ^2/NDF: 5001105.7/36

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

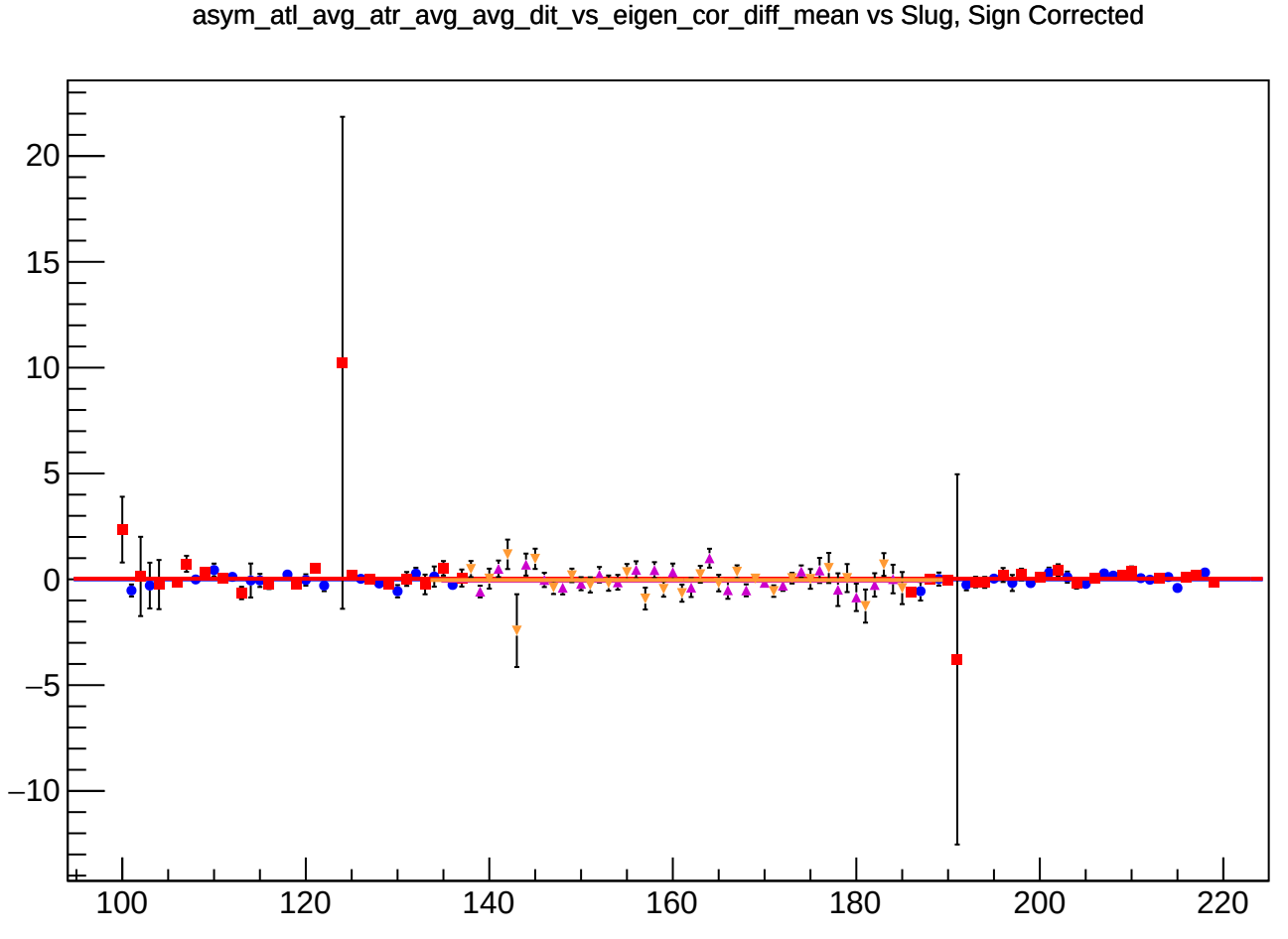
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 159.162+/-0.019 χ^2/NDF: 7907174.9/68

In: 197.213+/-0.025 χ^2/NDF:10636972.9/54

Out: 182.173+/-0.023 χ^2/NDF:16395251.2/61

All: 189.210+/-0.017 χ^2/NDF: 27225357.5/11



Right In: -0.001+/-0.040 χ^2/NDF: 39.2/31

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.030+/-0.037 χ^2/NDF: 45.4/36

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

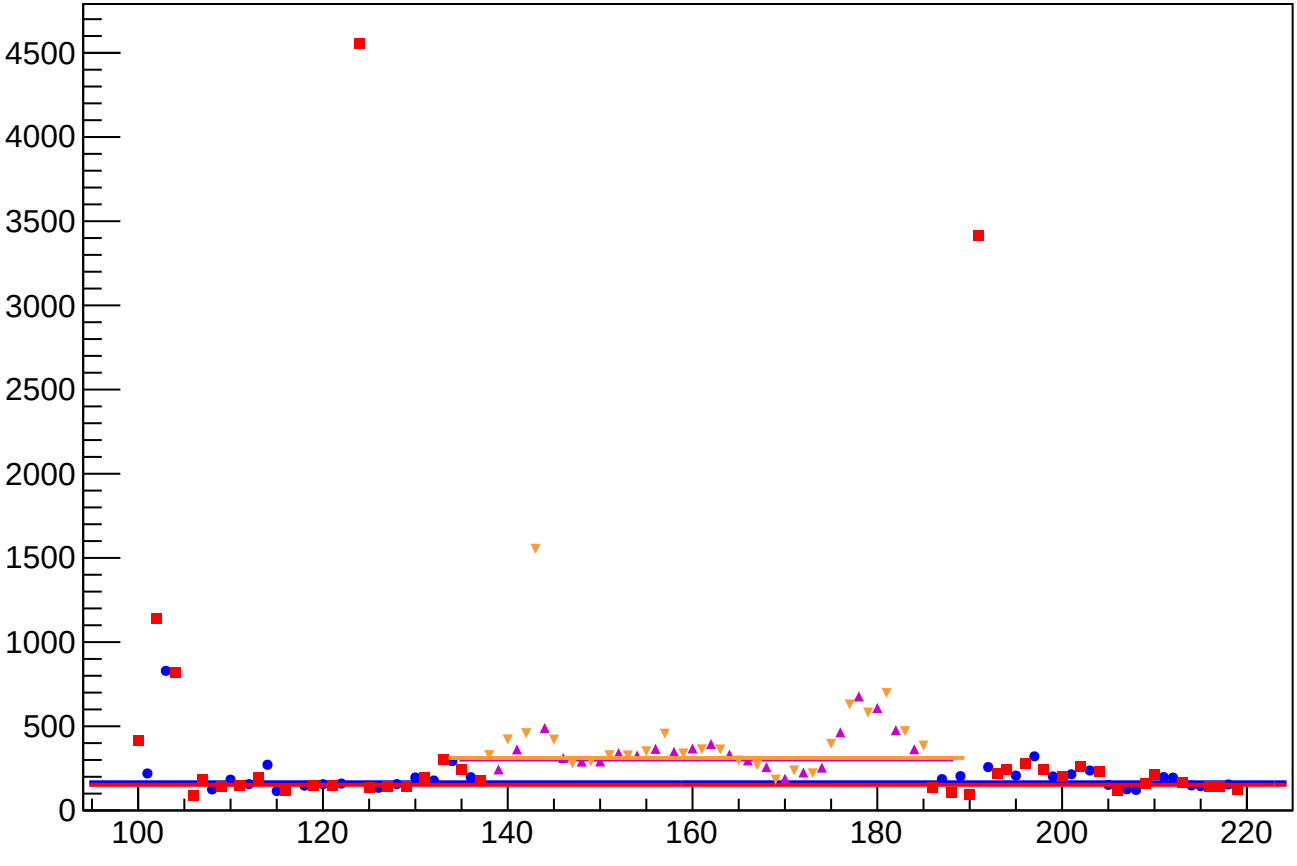
Right: 0.016+/-0.027 χ^2/NDF: 85.0/68

In: -0.016+/-0.035 χ^2/NDF:69.8/54

Out: 0.018+/-0.033 χ^2/NDF:78.5/61

All: 0.002+/-0.024 χ^2/NDF: 148.8/116

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 167.171+/-0.028 χ^2/NDF: 2758703.0/31

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 152.429+/-0.026 χ^2/NDF: 5001105.7/36

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

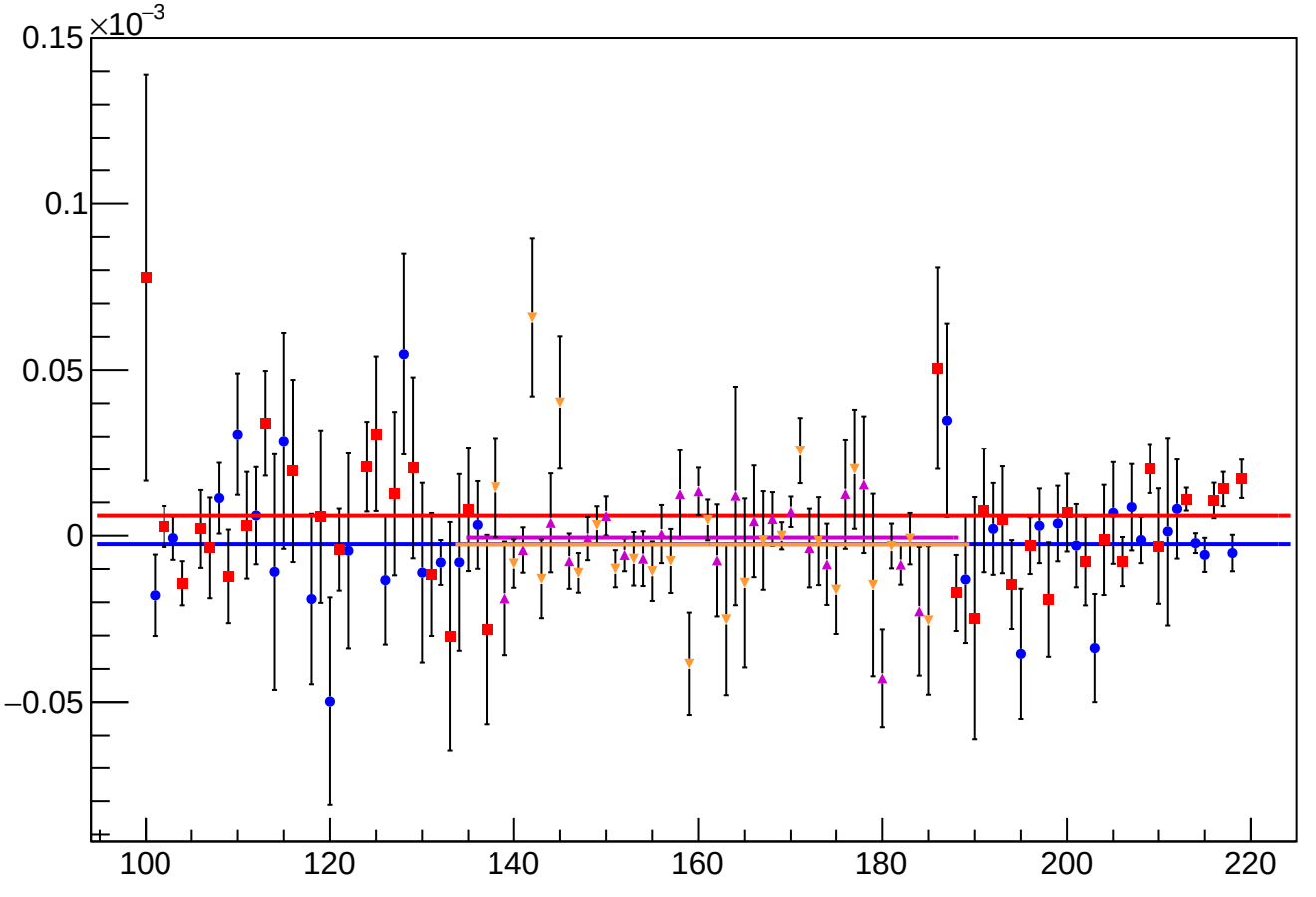
Right: 159.162+/-0.019 χ^2/NDF: 7907174.9/68

In: 197.213+/-0.025 χ^2/NDF:10636972.9/54

Out: 182.173+/-0.023 χ^2/NDF:16395251.2/61

All: 189.210+/-0.017 χ^2/NDF: 27225357.5/1

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: 27.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 53.8/36

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

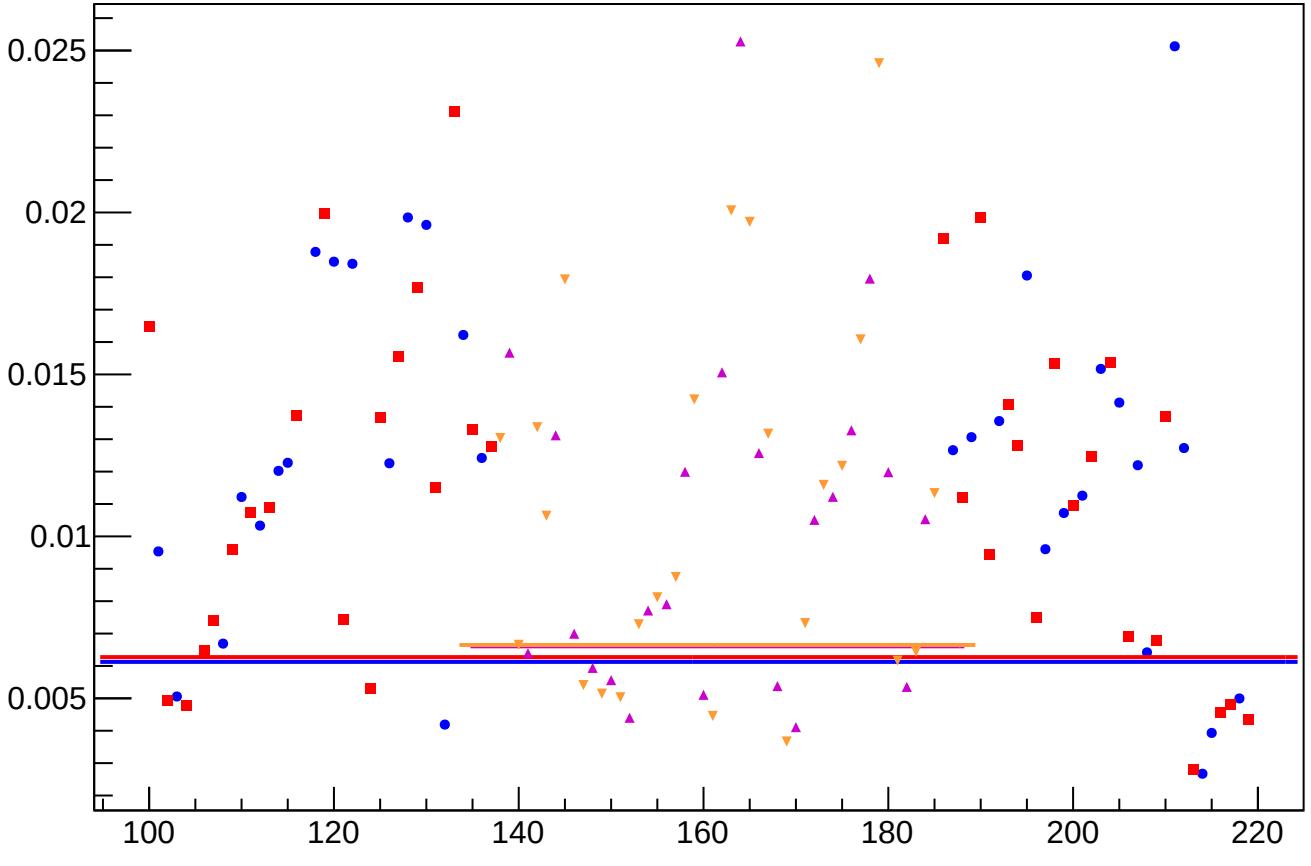
Right: 0.000+/-0.000 χ^2/NDF: 94.0/68

In: -0.000+/-0.000 χ^2/NDF:54.5/54

Out: 0.000+/-0.000 χ^2/NDF:109.5/61

All: 0.000+/-0.000 χ^2/NDF: 168.4/116

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 12408610.1/31

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.006+/-0.000 χ^2/NDF: 10238196.9/36

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

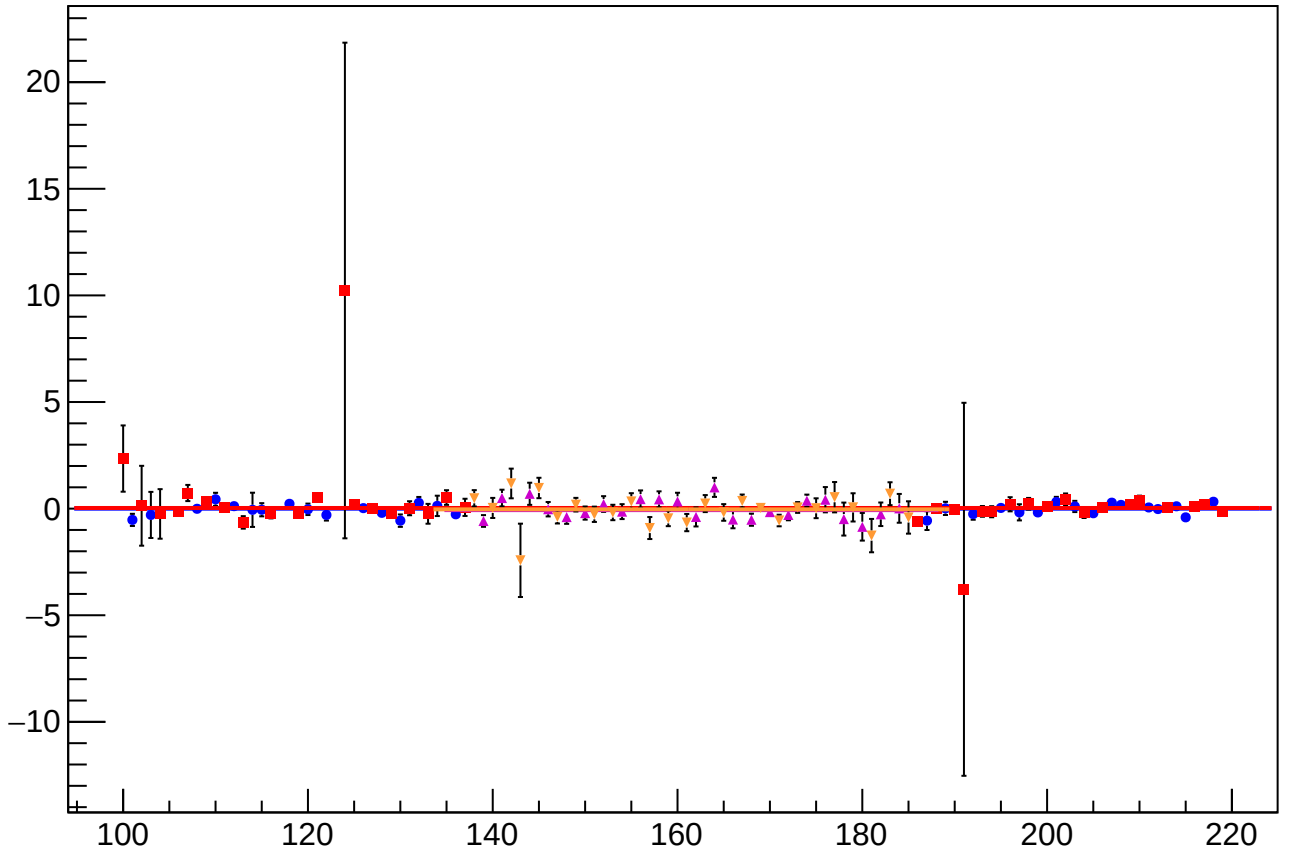
Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

Right: 0.006+/-0.000 χ^2/NDF: 22654719.0/68

In: 0.006+/-0.000 χ^2/NDF:18340601.0/54

Out: 0.006+/-0.000 χ^2/NDF:17801933.8/61

All: 0.006+/-0.000 χ^2/NDF: 36148235.8/116



Right In: -0.001+/-0.040 χ^2/NDF: 39.2/31

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.030+/-0.037 χ^2/NDF: 45.4/36

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

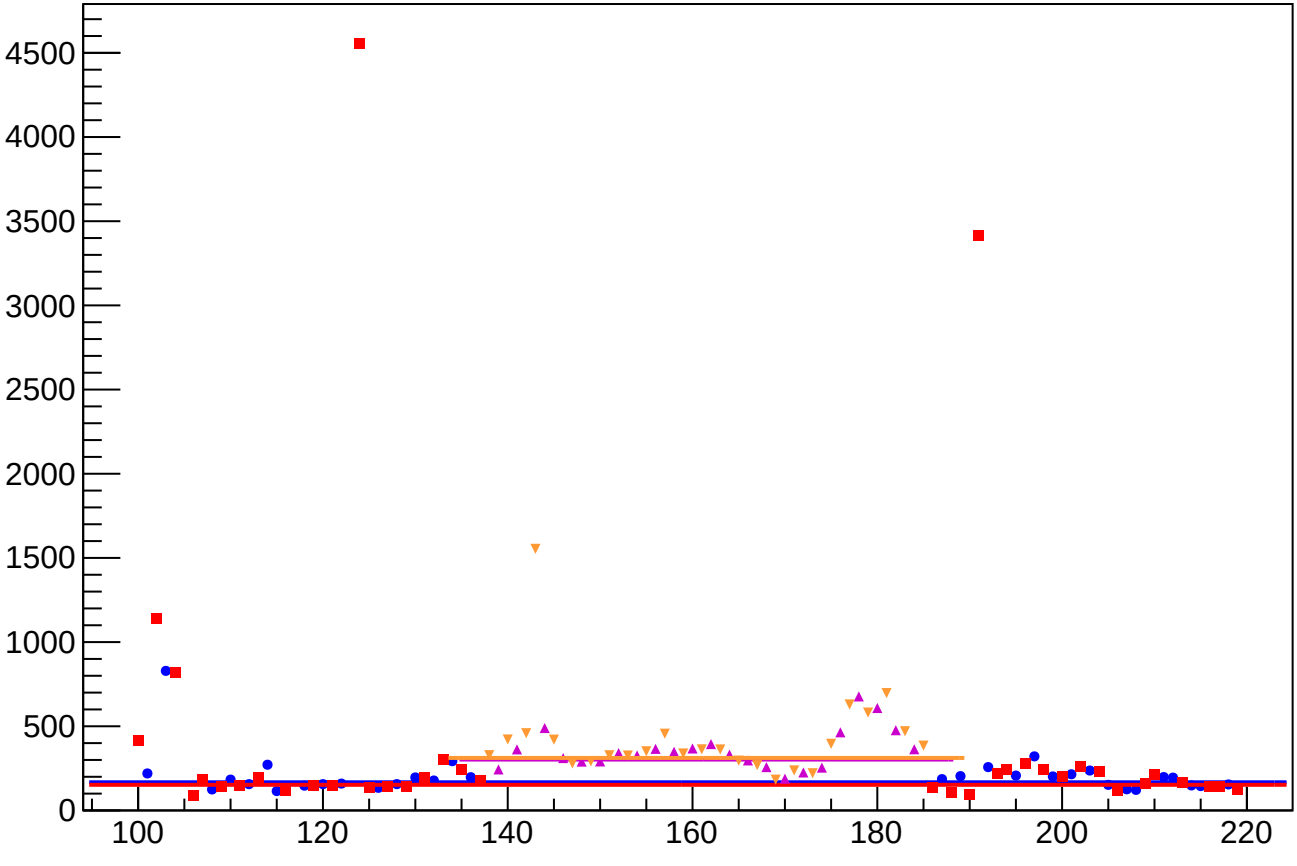
Right: 0.016+/-0.027 χ^2/NDF: 85.0/68

In: -0.016+/-0.035 χ^2/NDF:69.8/54

Out: 0.018+/-0.033 χ^2/NDF:78.5/61

All: 0.002+/-0.024 χ^2/NDF: 148.8/116

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 167.170+/-0.028 χ^2/NDF: 2758768.2/31

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 152.426+/-0.026 χ^2/NDF: 5001314.9/36

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

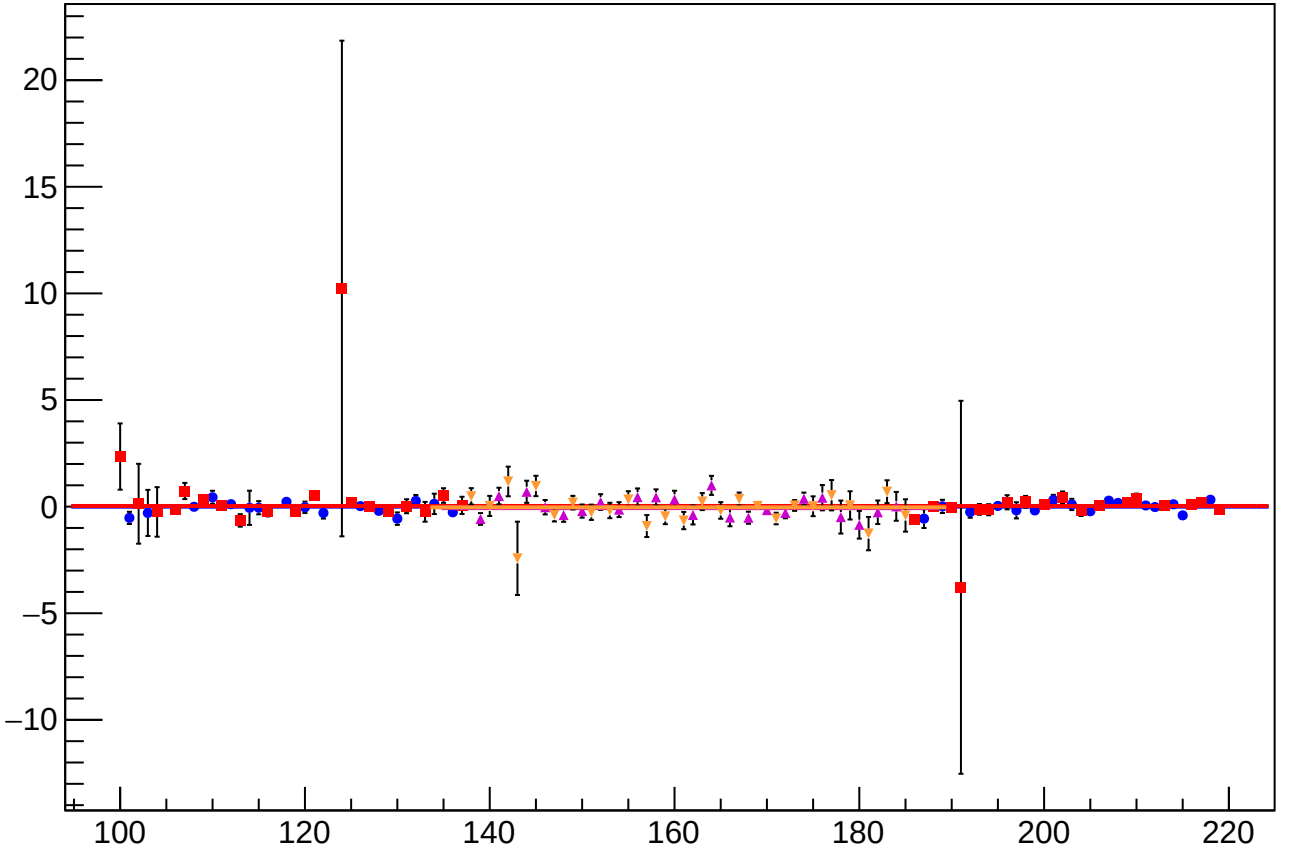
Right: 159.161+/-0.019 χ^2/NDF: 7907486.4/68

In: 197.212+/-0.025 χ^2/NDF:10637305.9/54

Out: 182.170+/-0.023 χ^2/NDF:16395913.4/61

All: 189.208+/-0.017 χ^2/NDF: 27226405.7/11

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.040 χ^2/NDF: 39.2/31

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.030+/-0.037 χ^2/NDF: 45.4/36

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

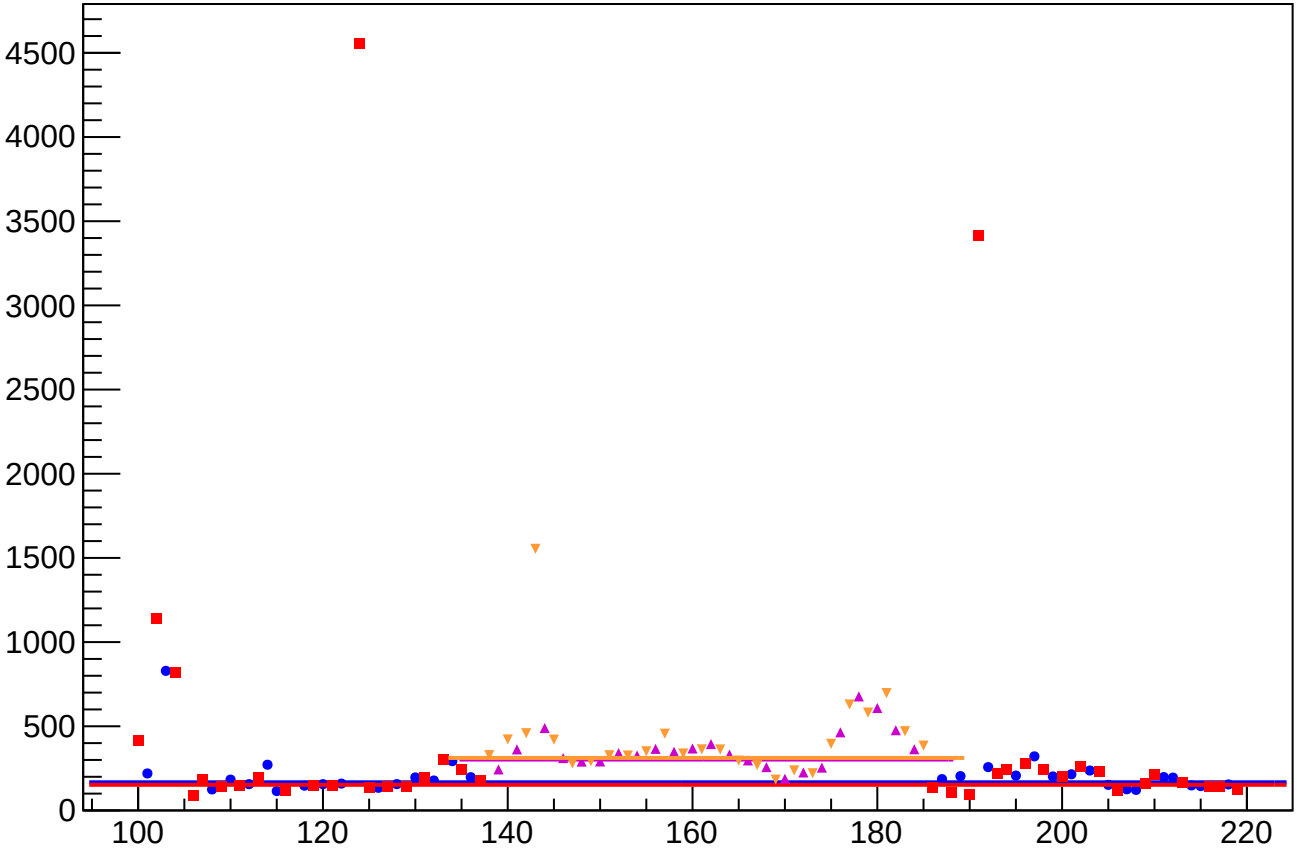
Right: 0.016+/-0.027 χ^2/NDF: 85.0/68

In: -0.016+/-0.035 χ^2/NDF:69.8/54

Out: 0.018+/-0.033 χ^2/NDF:78.5/61

All: 0.002+/-0.024 χ^2/NDF: 148.8/116

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 167.170+/-0.028 χ^2/NDF: 2758768.2/31

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 152.426+/-0.026 χ^2/NDF: 5001314.9/36

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

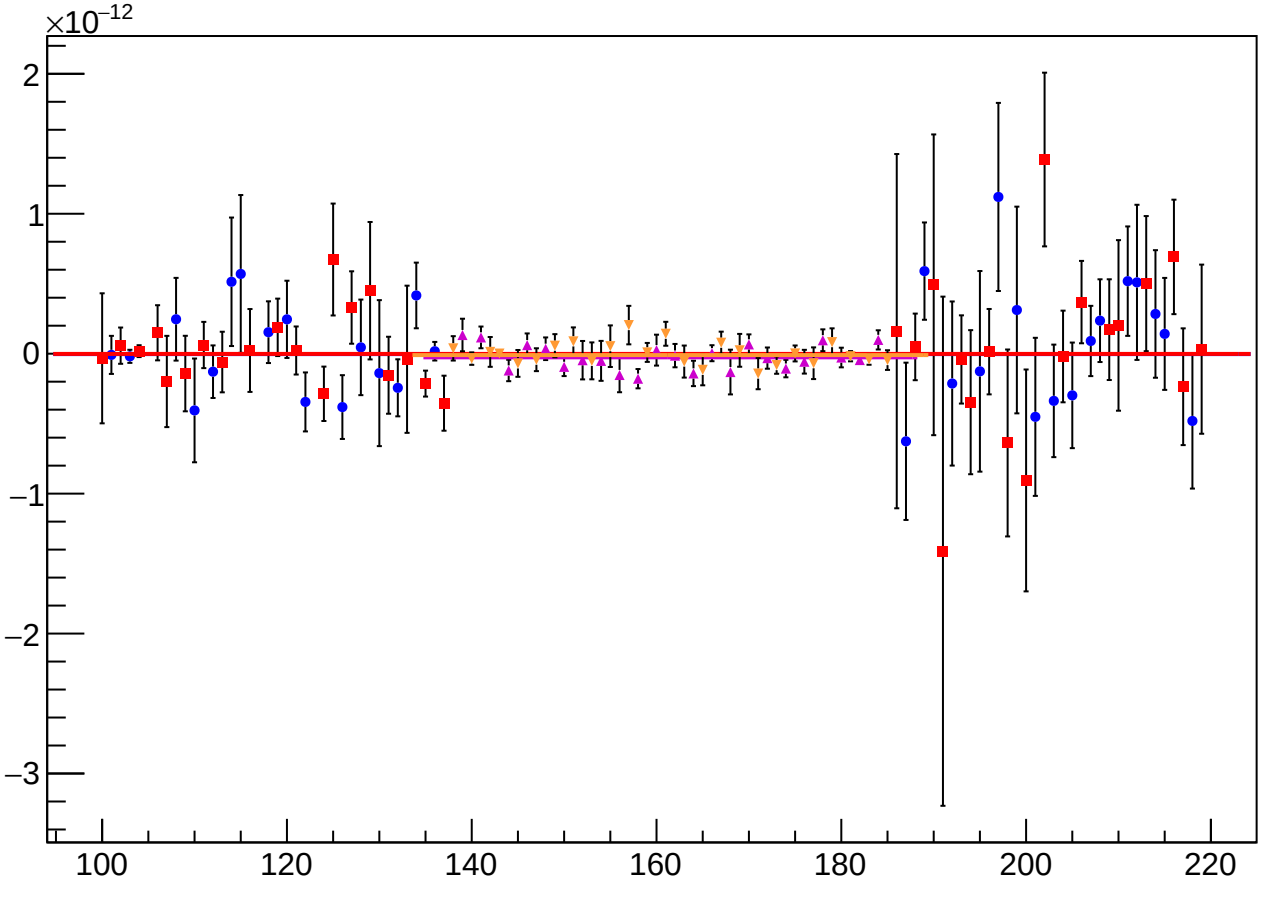
Right: 159.161+/-0.019 χ^2/NDF: 7907486.4/68

In: 197.212+/-0.025 χ^2/NDF:10637305.9/54

Out: 182.170+/-0.023 χ^2/NDF:16395913.4/61

All: 189.208+/-0.017 χ^2/NDF: 27226405.7/11

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 30.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.8/36

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

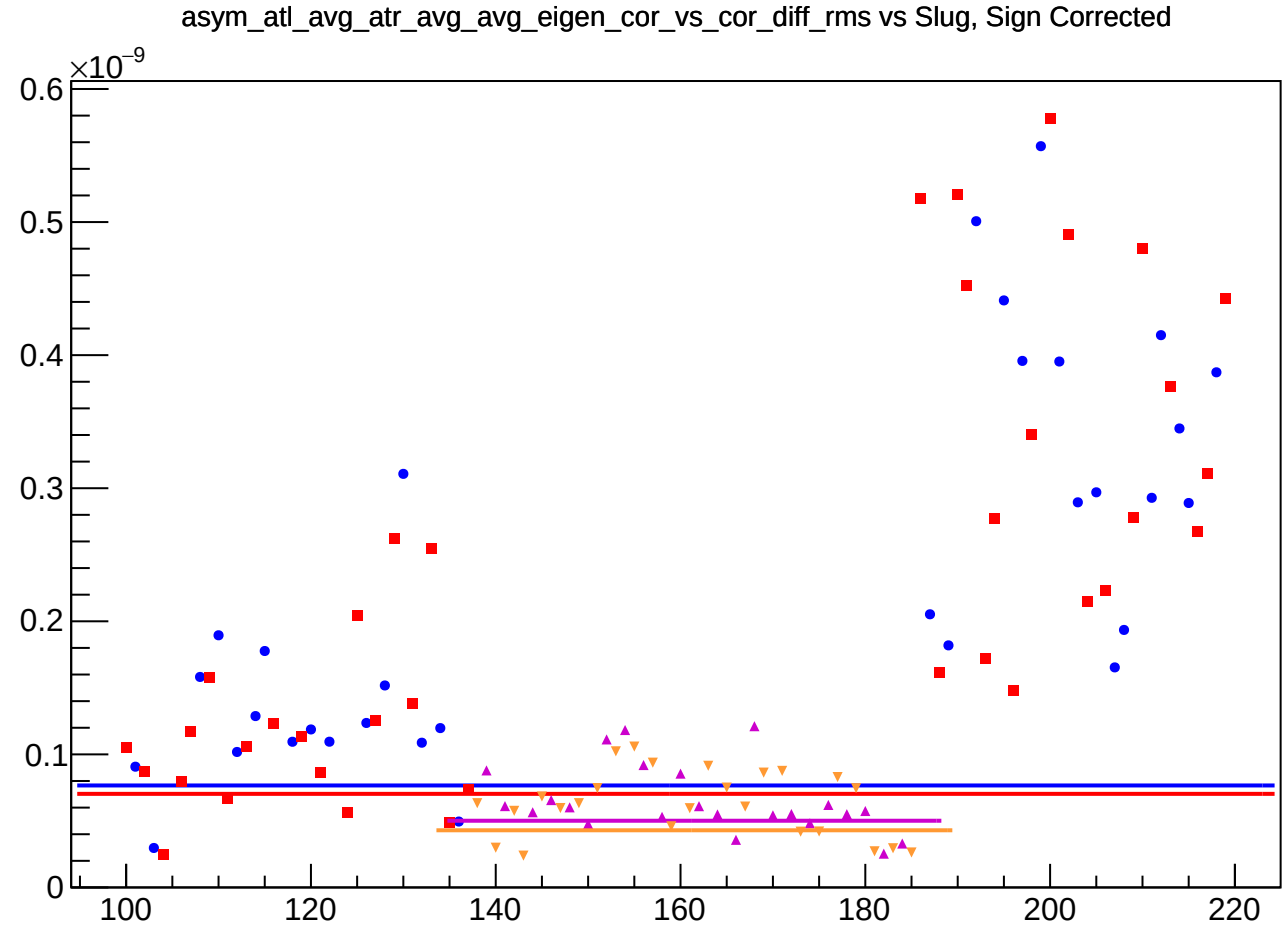
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

Right: -0.000+/-0.000 χ^2/NDF: 64.1/68

In: -0.000+/-0.000 χ^2/NDF:58.4/54

Out: -0.000+/-0.000 χ^2/NDF:50.0/61

All: -0.000+/-0.000 χ^2/NDF: 108.9/116



Right In: 0.000+/-0.000 χ^2/NDF: 12702668.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12852594.4/36

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

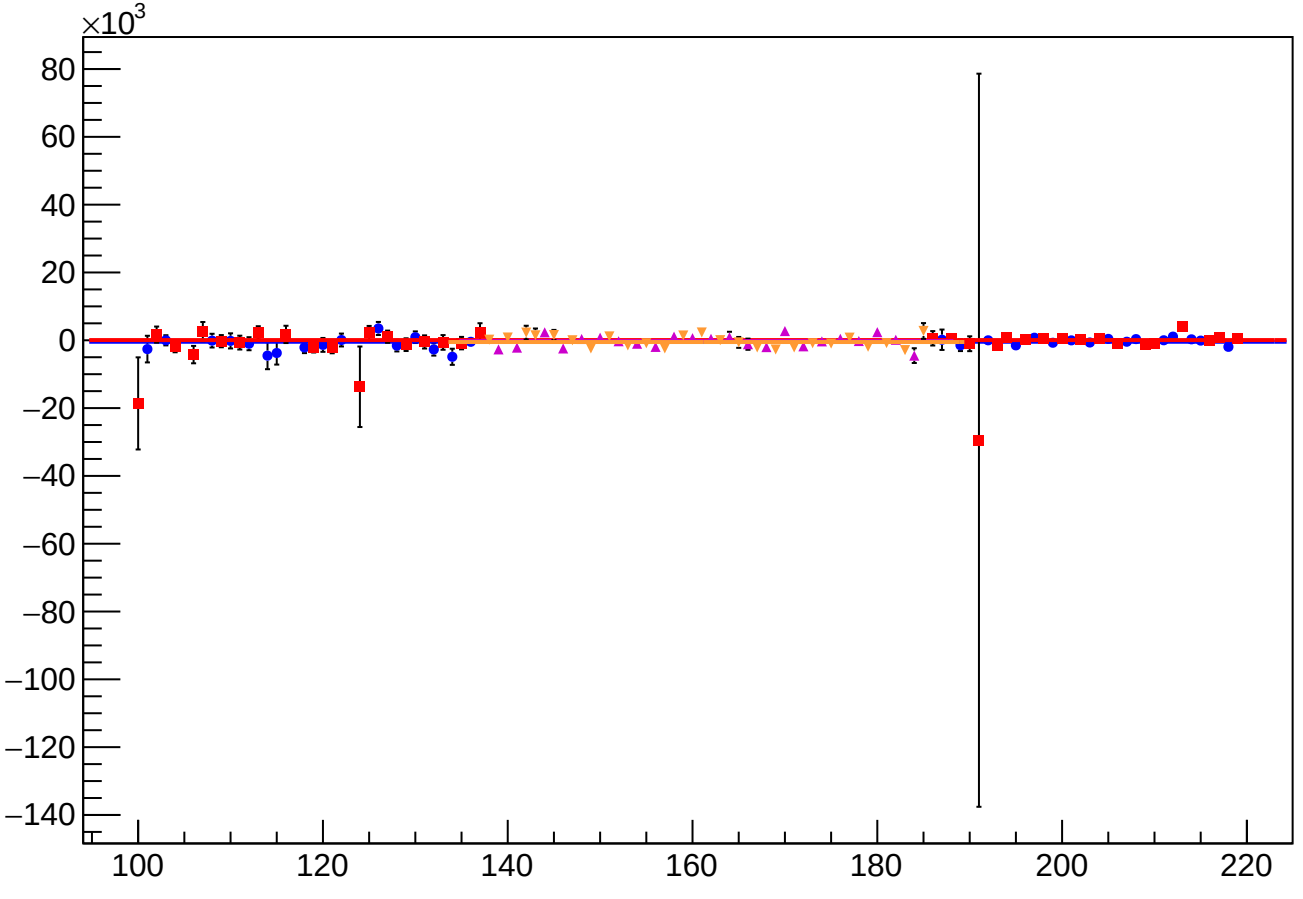
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 25597388.9/68

In: 0.000+/-0.000 χ^2/NDF:17465930.5/54

Out: 0.000+/-0.000 χ^2/NDF:19310575.8/61

All: 0.000+/-0.000 χ^2/NDF: 37122024.0/116



Right In: -430.866+/-285.473 χ^2/NDF: 19.5/31

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 60.765+/-280.571 χ^2/NDF: 30.2/36

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

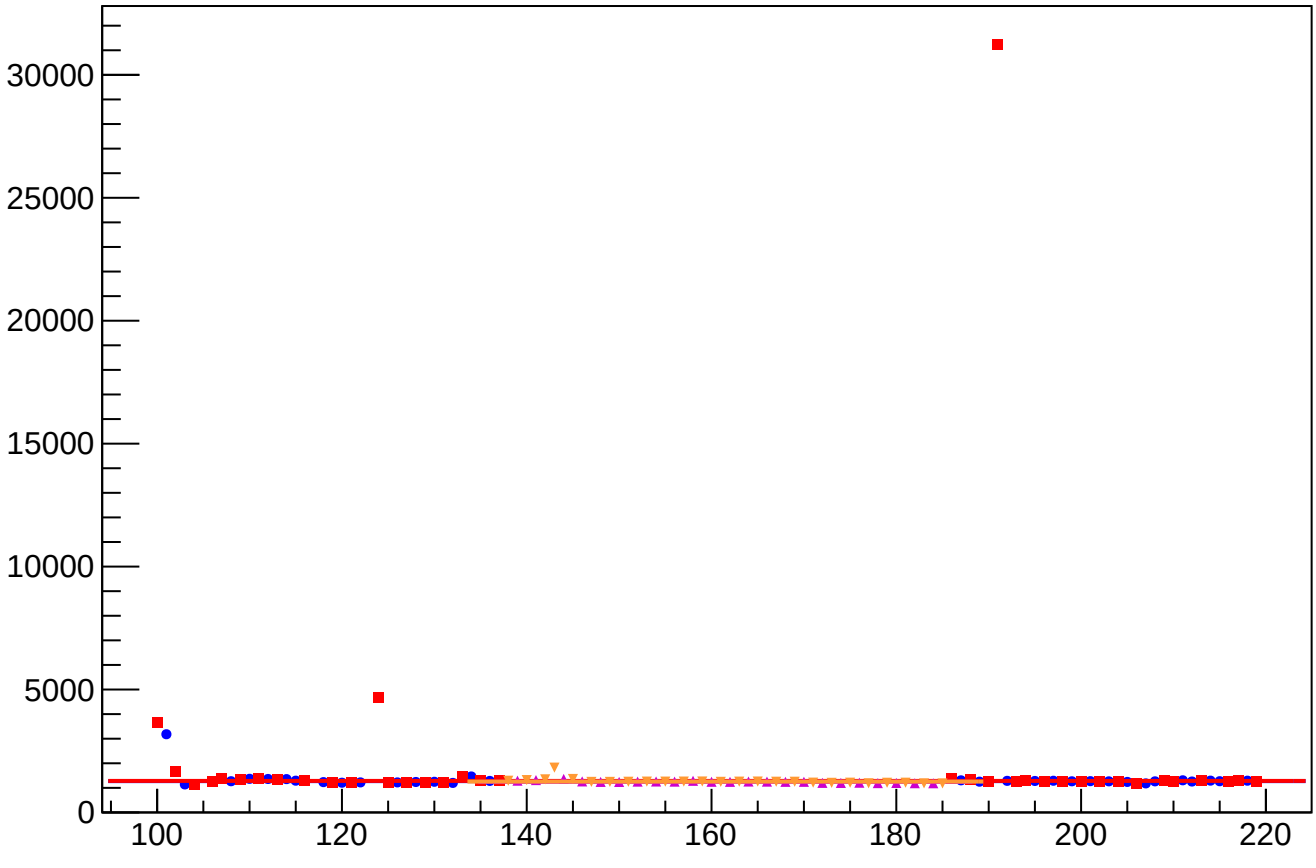
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -180.793+/-200.105 χ^2/NDF: 51.2/68

In: -338.633+/-203.843 χ^2/NDF:51.8/54

Out: -221.404+/-200.267 χ^2/NDF:63.2/61

All: -278.981+/-142.858 χ^2/NDF: 115.1/116



Right In: 1274.165+/-0.202 χ^2/NDF: 534525.6/31

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1282.870+/-0.198 χ^2/NDF: 508745.8/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

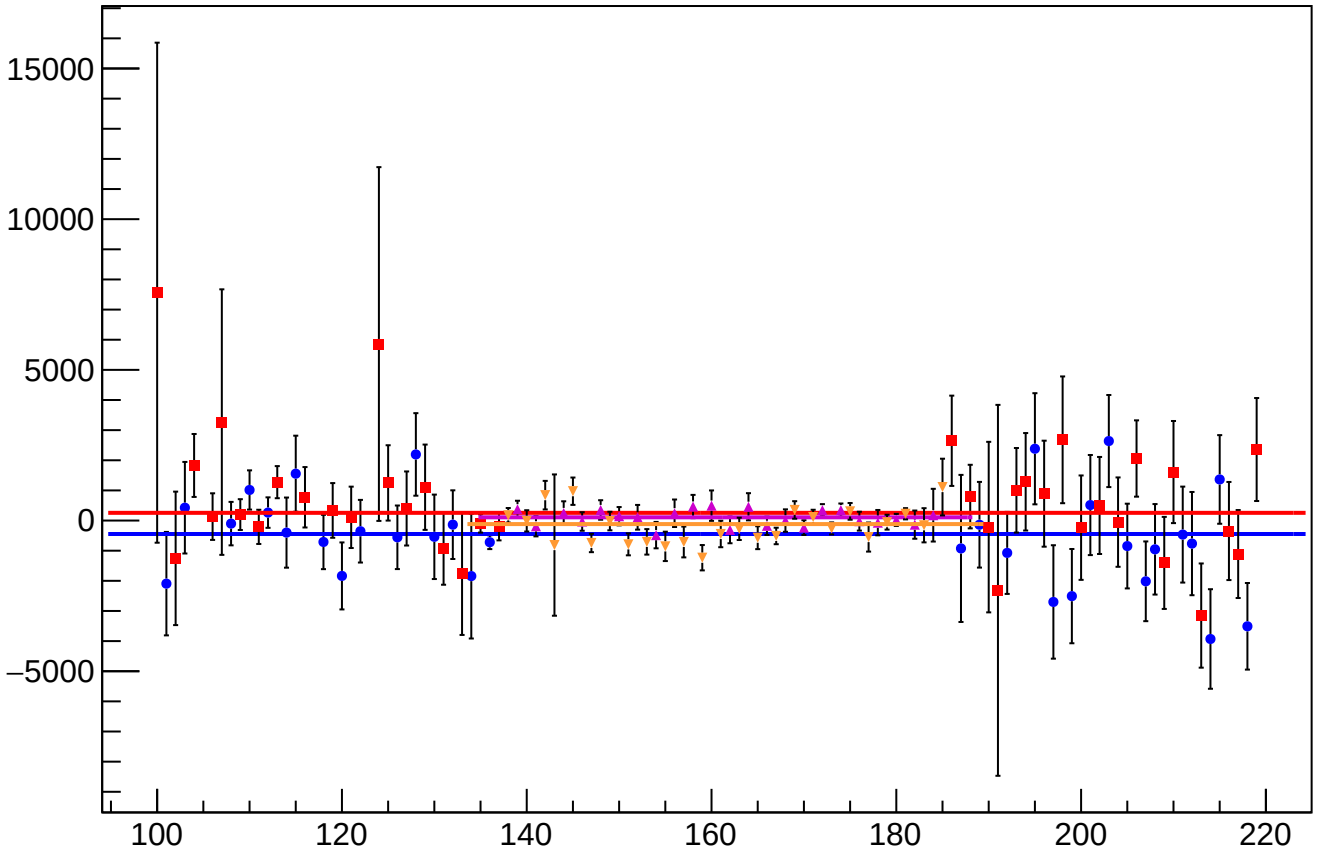
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.593+/-0.141 χ^2/NDF: 1044217.5/68

In: 1260.534+/-0.144 χ^2/NDF:583685.5/54

Out: 1269.452+/-0.142 χ^2/NDF:721196.4/61

All: 1265.072+/-0.101 χ^2/NDF: 1306829.5/11



Right In: -446.156+/-154.498 χ^2/NDF: 40.7/31

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 256.088+/-154.653 χ^2/NDF: 30.4/36

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

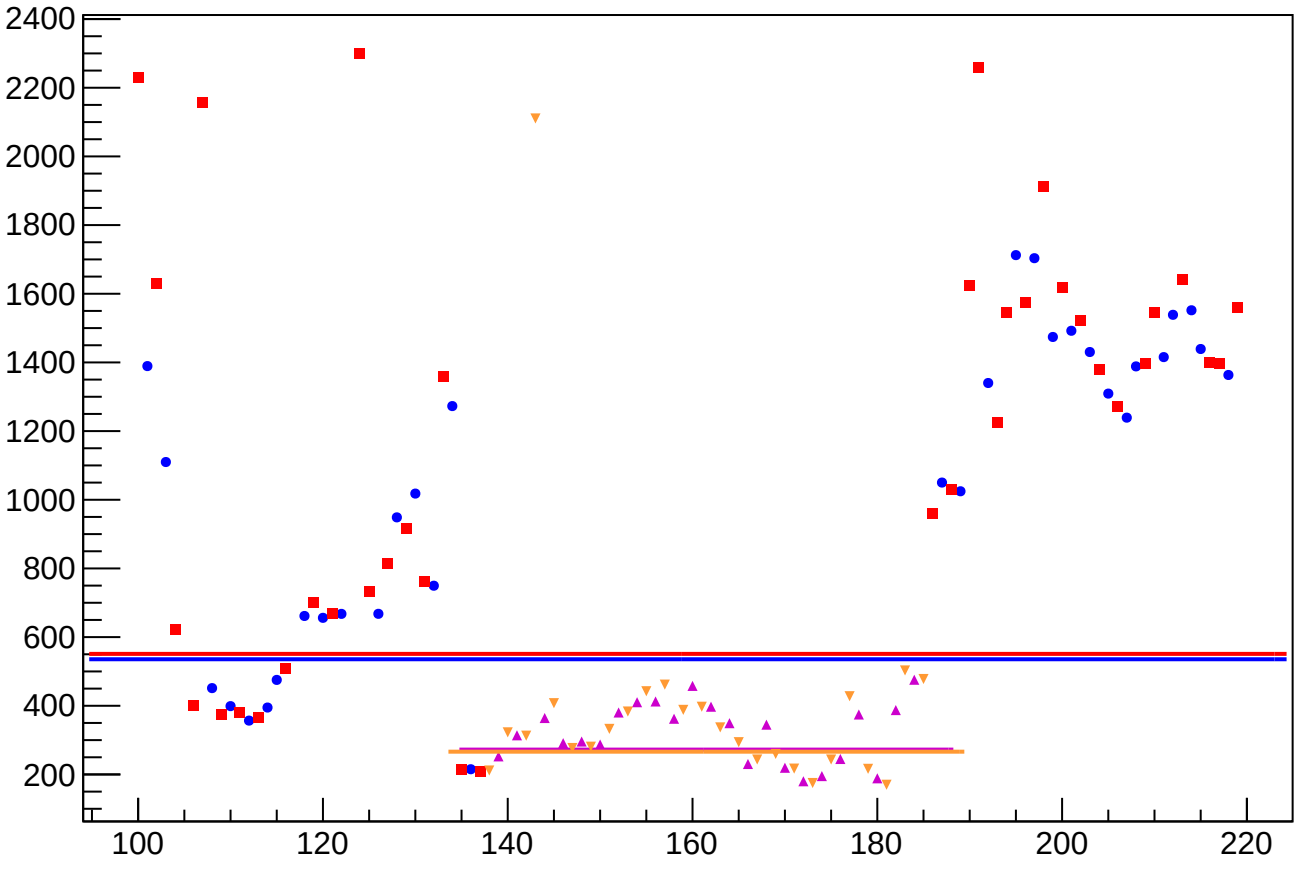
Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

Right: -95.384+/-109.301 χ^2/NDF: 81.4/68

In: 19.725+/-61.470 χ^2/NDF:65.3/54

Out: -60.926+/-59.969 χ^2/NDF:83.8/61

All: -21.597+/-42.925 χ^2/NDF: 149.9/116



Right In: 535.490+/-0.109 χ^2/NDF: 15940026.7/31

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 551.143+/-0.109 χ^2/NDF: 16516225.8/36

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

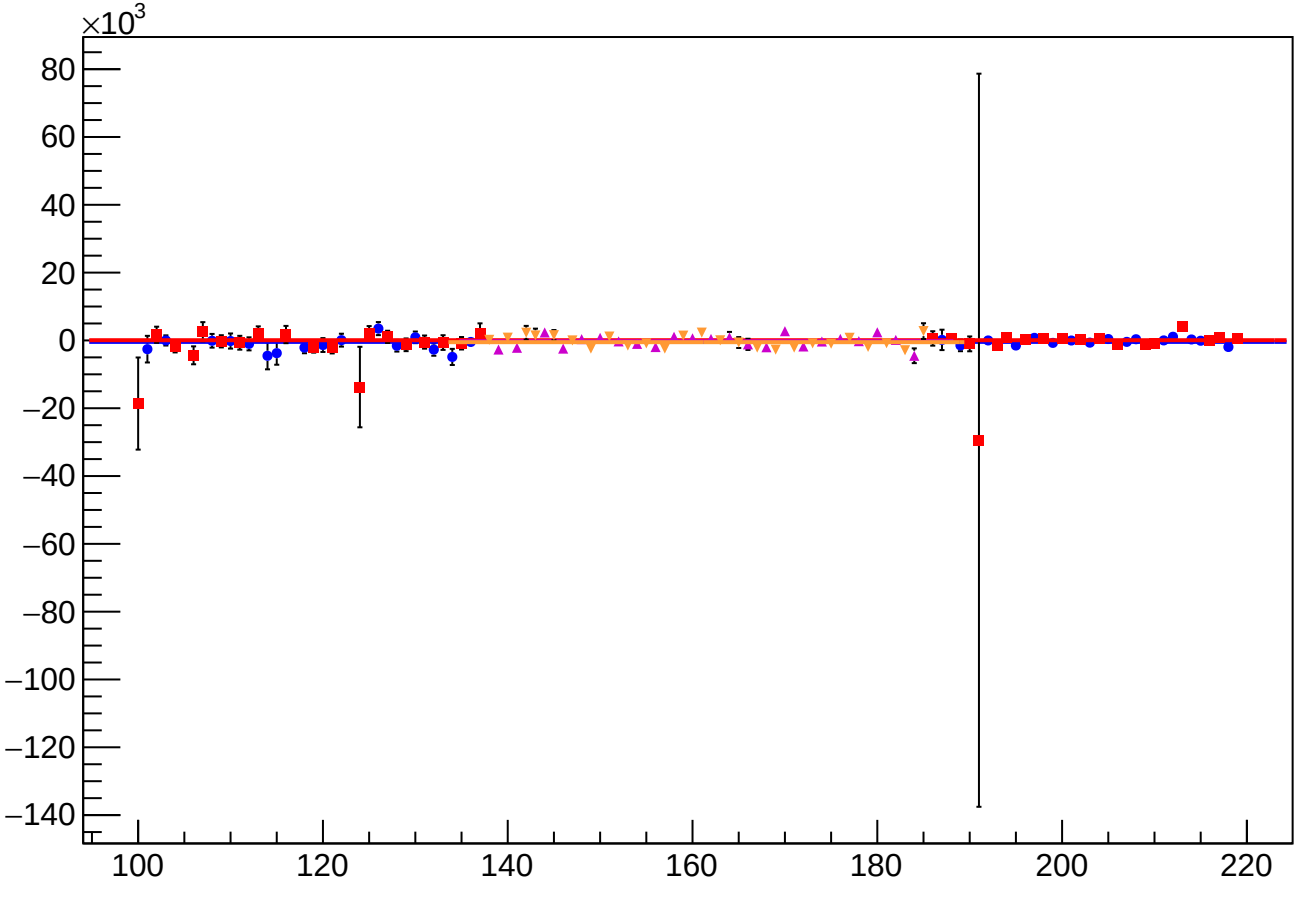
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 543.309+/-0.077 χ^2/NDF: 32466507.2/68

In: 314.019+/-0.043 χ^2/NDF:23710499.7/54

Out: 309.147+/-0.042 χ^2/NDF:26910020.6/61

All: 311.523+/-0.030 χ^2/NDF: 50626958.5/11



Right In: -430.733+/-285.473 χ^2/NDF: 19.5/31

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 61.914+/-280.672 χ^2/NDF: 30.3/36

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

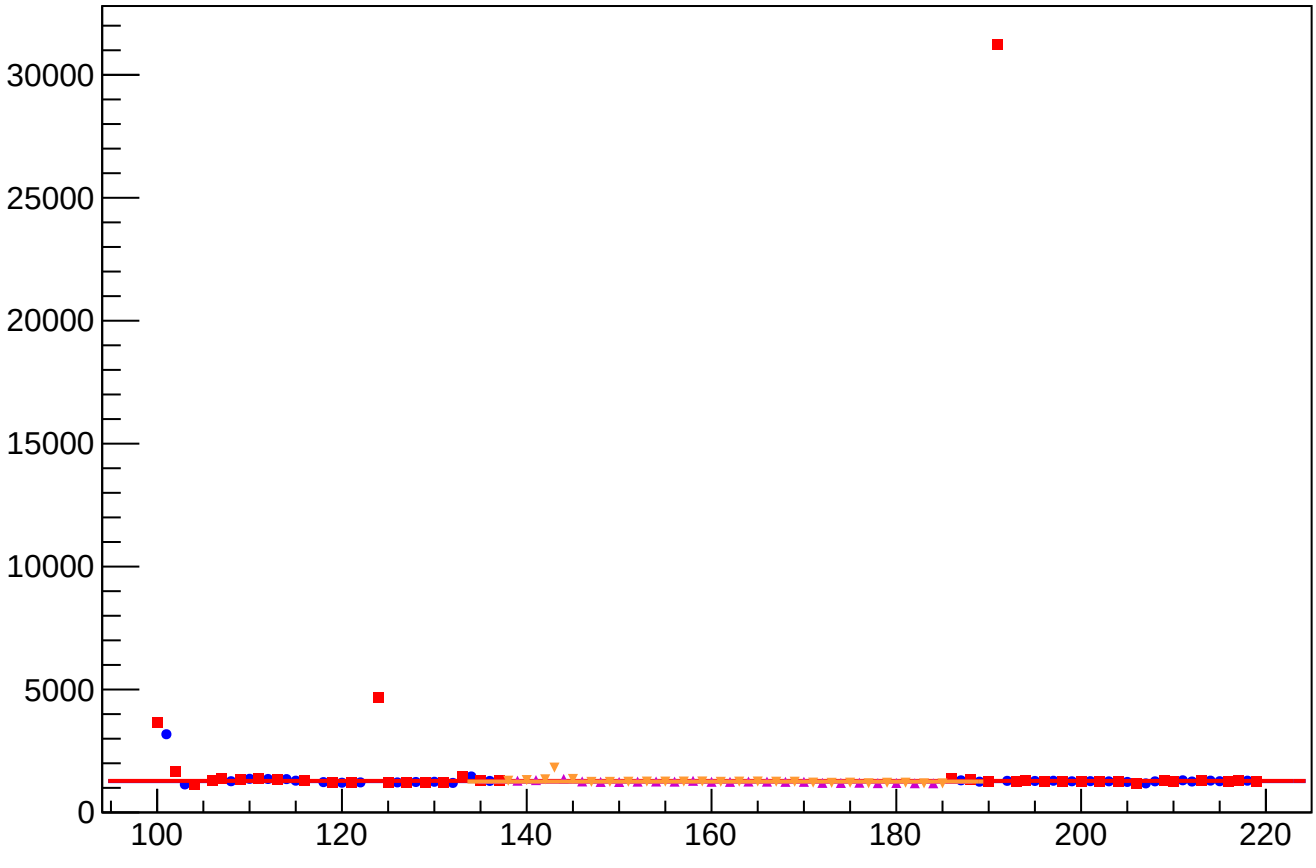
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -180.232+/-200.141 χ^2/NDF: 51.3/68

In: -338.554+/-203.843 χ^2/NDF:51.8/54

Out: -220.895+/-200.303 χ^2/NDF:63.3/61

All: -278.694+/-142.871 χ^2/NDF: 115.2/116



Right In: 1274.165+/-0.202 χ^2/NDF: 534527.0/31

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

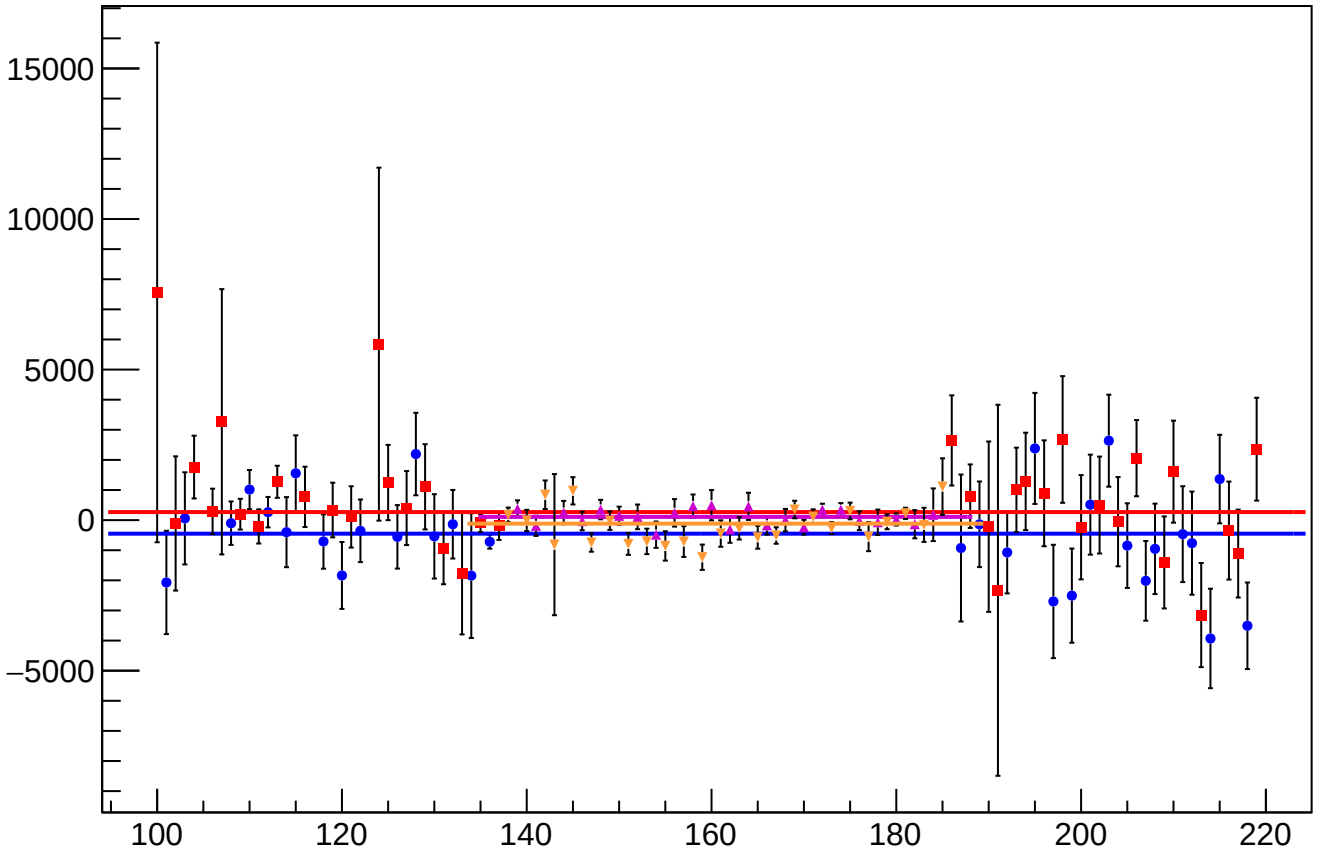
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.832+/-0.142 χ^2/NDF: 1044325.9/68

In: 1260.534+/-0.144 χ^2/NDF:583686.8/54

Out: 1269.688+/-0.142 χ^2/NDF:721520.5/61

All: 1265.191+/-0.101 χ^2/NDF: 1307259.2/11



Right In: -449.933+/-154.514 χ^2/NDF: 40.5/31

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 266.937+/-154.502 χ^2/NDF: 29.7/36

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

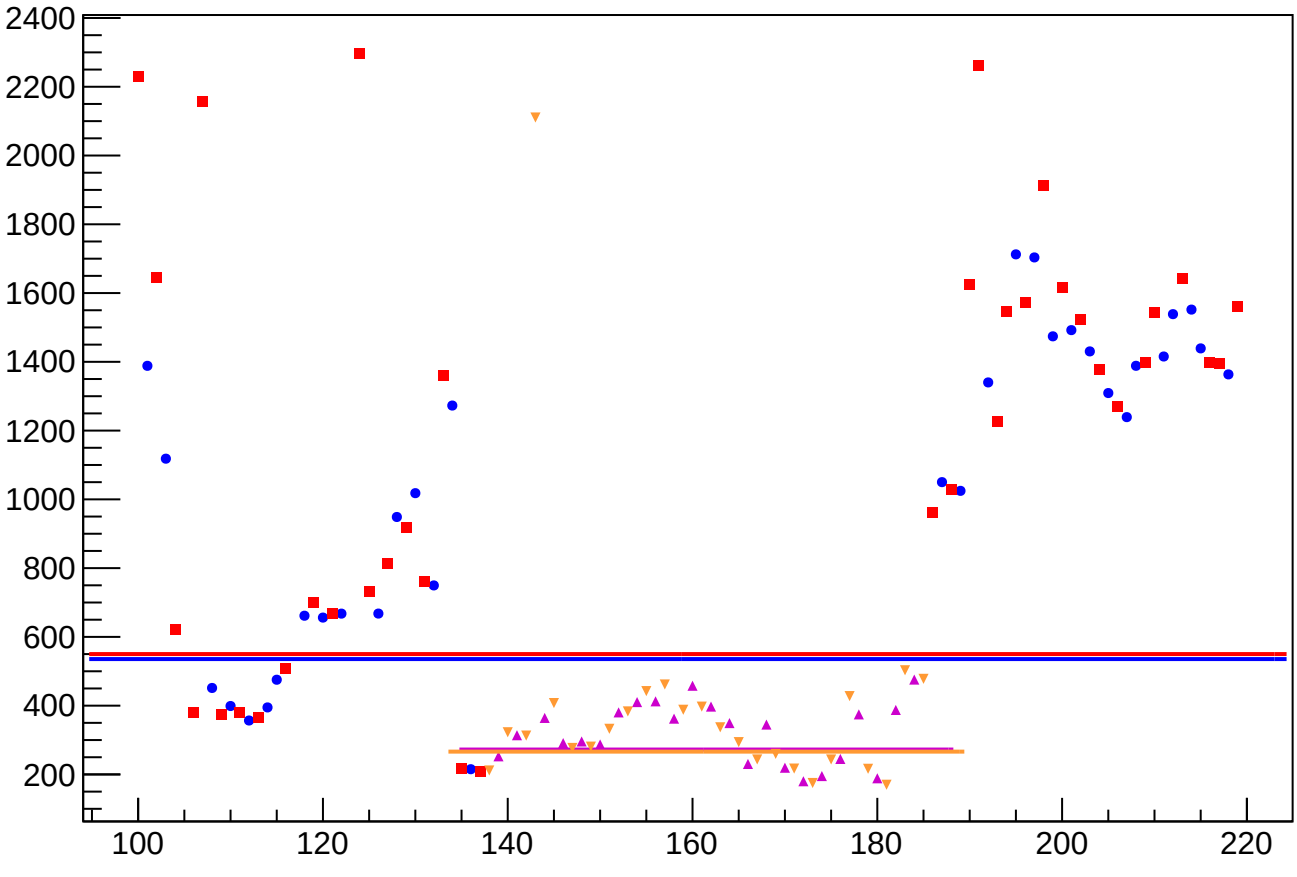
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -91.472+/-109.254 χ^2/NDF: 81.0/68

In: 19.236+/-61.472 χ^2/NDF:65.2/54

Out: -59.175+/-59.961 χ^2/NDF:83.4/61

All: -20.945+/-42.923 χ^2/NDF: 149.4/116



Right In: 535.514+/-0.109 χ^2/NDF: 15942969.3/31

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

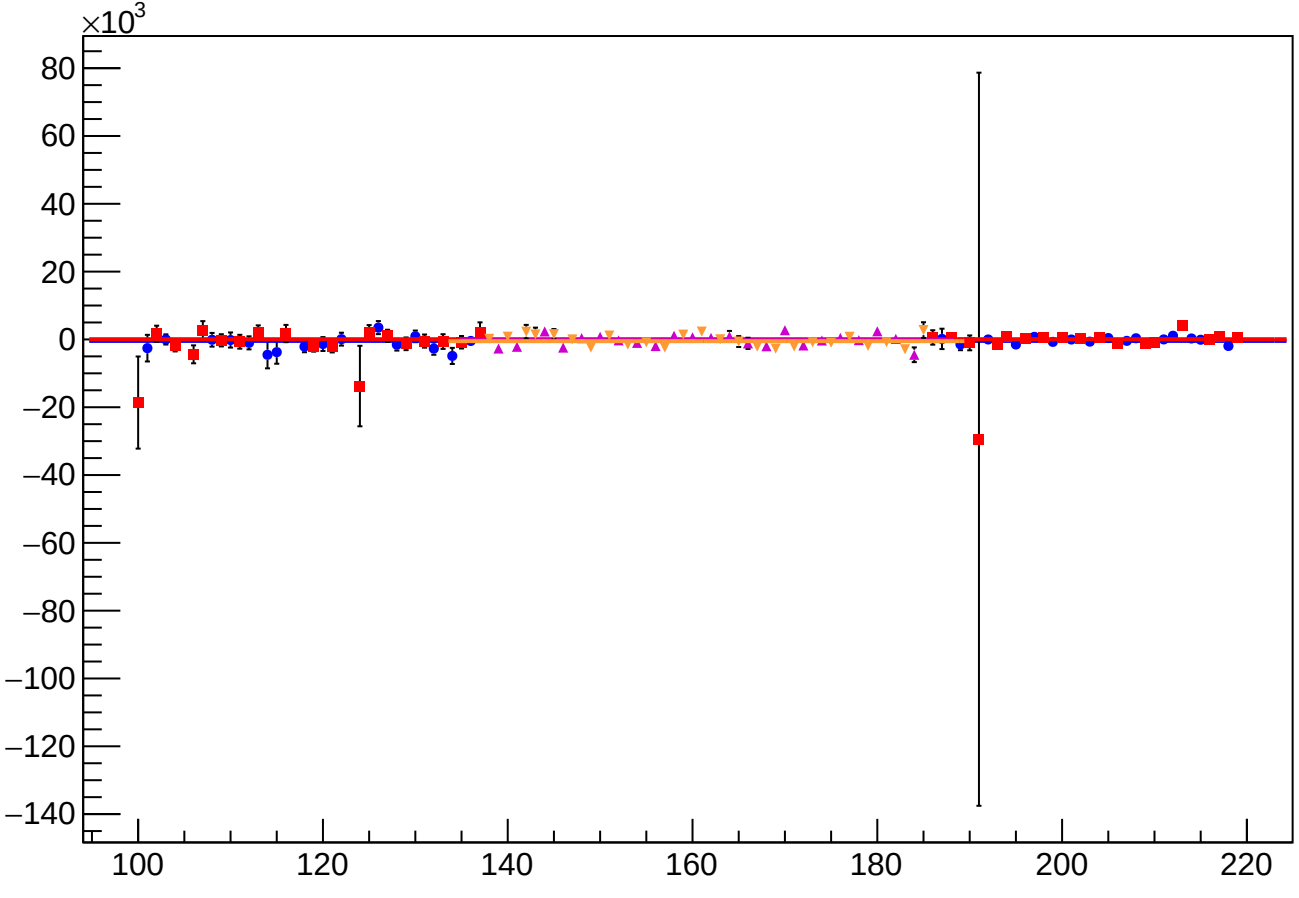
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 542.775+/-0.077 χ^2/NDF: 32500210.8/68

In: 314.026+/-0.043 χ^2/NDF:23712883.4/54

Out: 309.057+/-0.042 χ^2/NDF:26906680.3/61

All: 311.480+/-0.030 χ^2/NDF: 50626260.8/11



Right In: -430.733+/-285.473 χ^2/NDF: 19.5/31

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 61.914+/-280.672 χ^2/NDF: 30.3/36

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

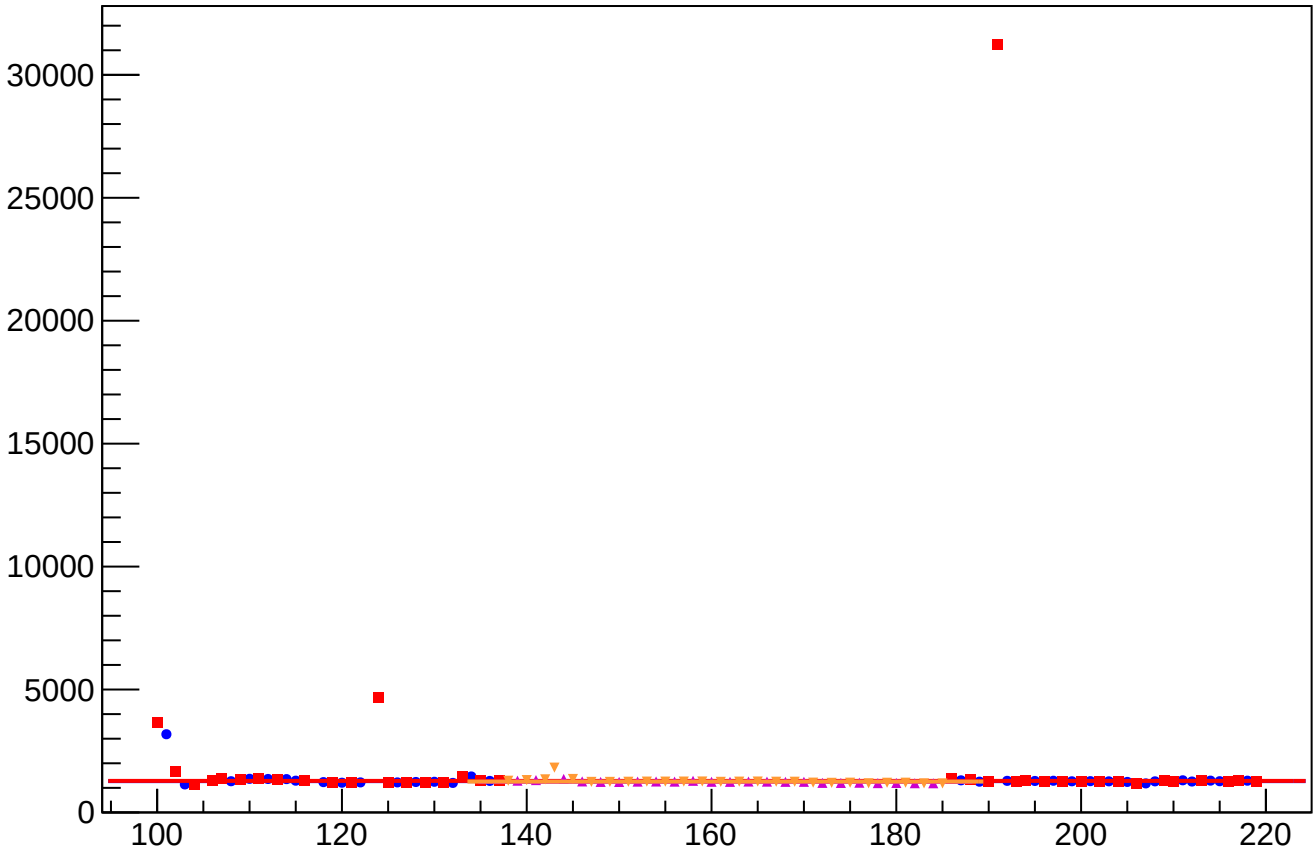
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -180.232+/-200.141 χ^2/NDF: 51.3/68

In: -338.554+/-203.843 χ^2/NDF:51.8/54

Out: -220.895+/-200.303 χ^2/NDF:63.3/61

All: -278.694+/-142.871 χ^2/NDF: 115.2/116



Right In: 1274.165+/-0.202 χ^2/NDF: 534527.0/31

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

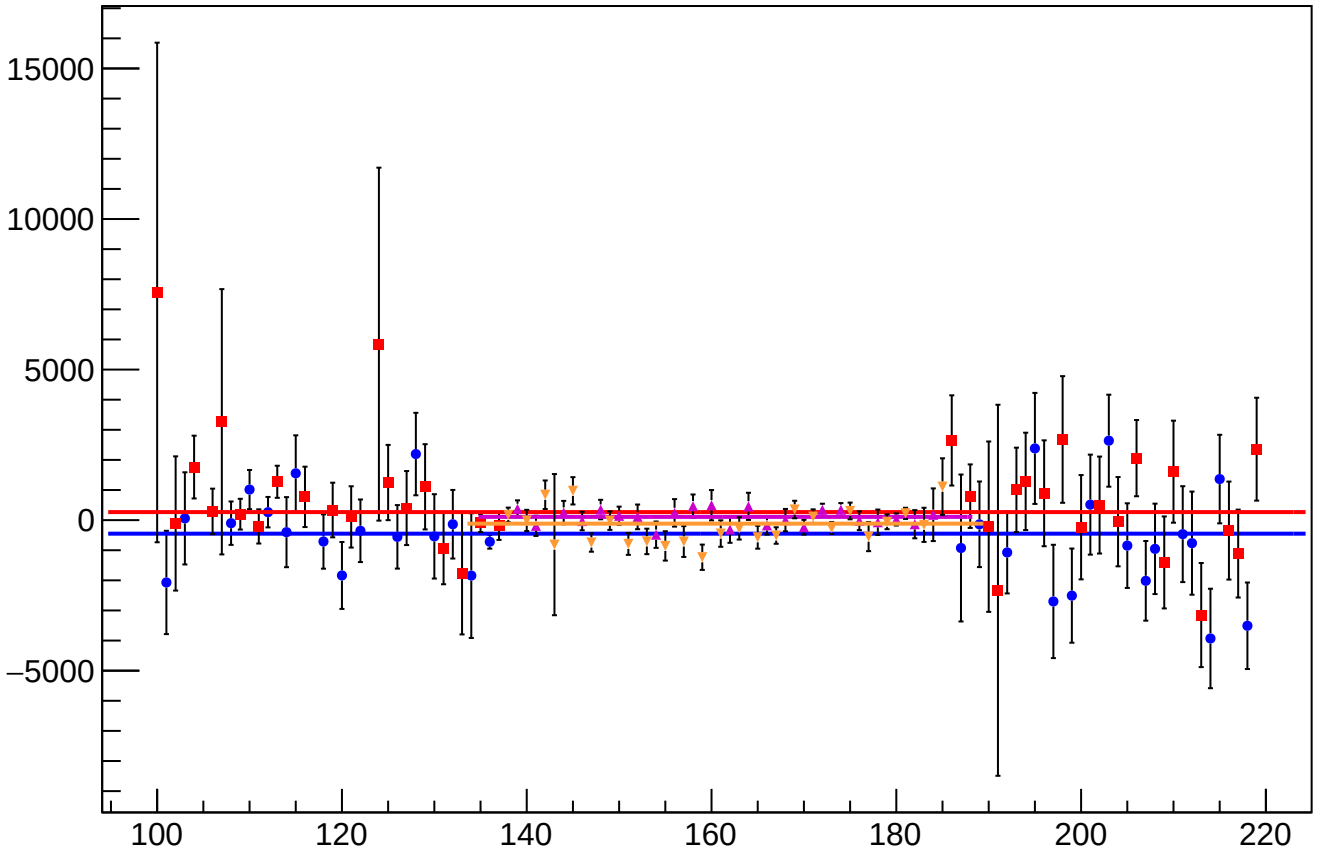
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.832+/-0.142 χ^2/NDF: 1044325.9/68

In: 1260.534+/-0.144 χ^2/NDF:583686.8/54

Out: 1269.688+/-0.142 χ^2/NDF:721520.5/61

All: 1265.191+/-0.101 χ^2/NDF: 1307259.2/11



Right In: -449.933+/-154.514 χ^2/NDF: 40.5/31

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 266.937+/-154.502 χ^2/NDF: 29.7/36

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

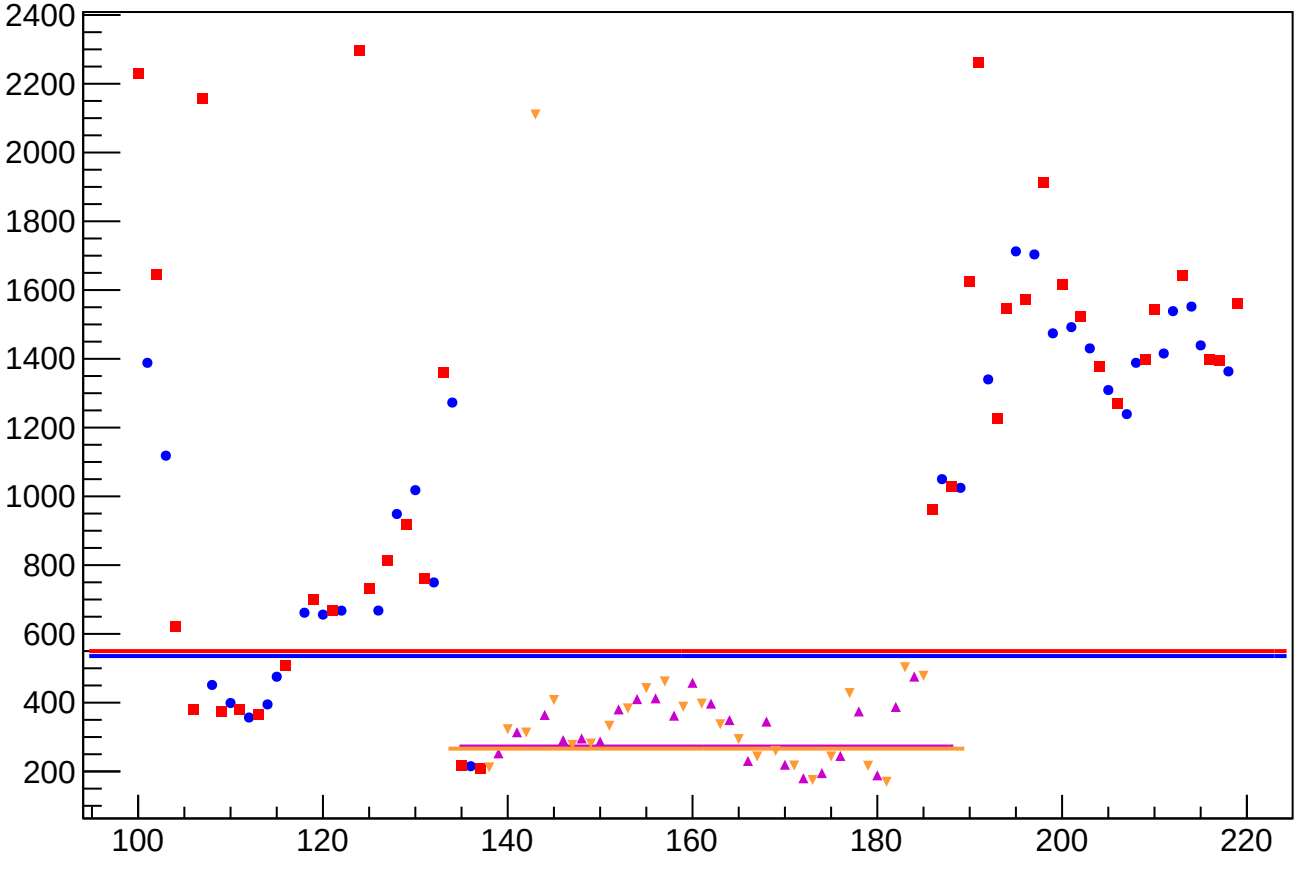
Right: -91.472+/-109.254 χ^2/NDF: 81.0/68

In: 19.236+/-61.472 χ^2/NDF:65.2/54

Out: -59.175+/-59.961 χ^2/NDF:83.4/61

All: -20.945+/-42.923 χ^2/NDF: 149.4/116

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.514+/-0.109 χ^2/NDF: 15942969.3/31

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

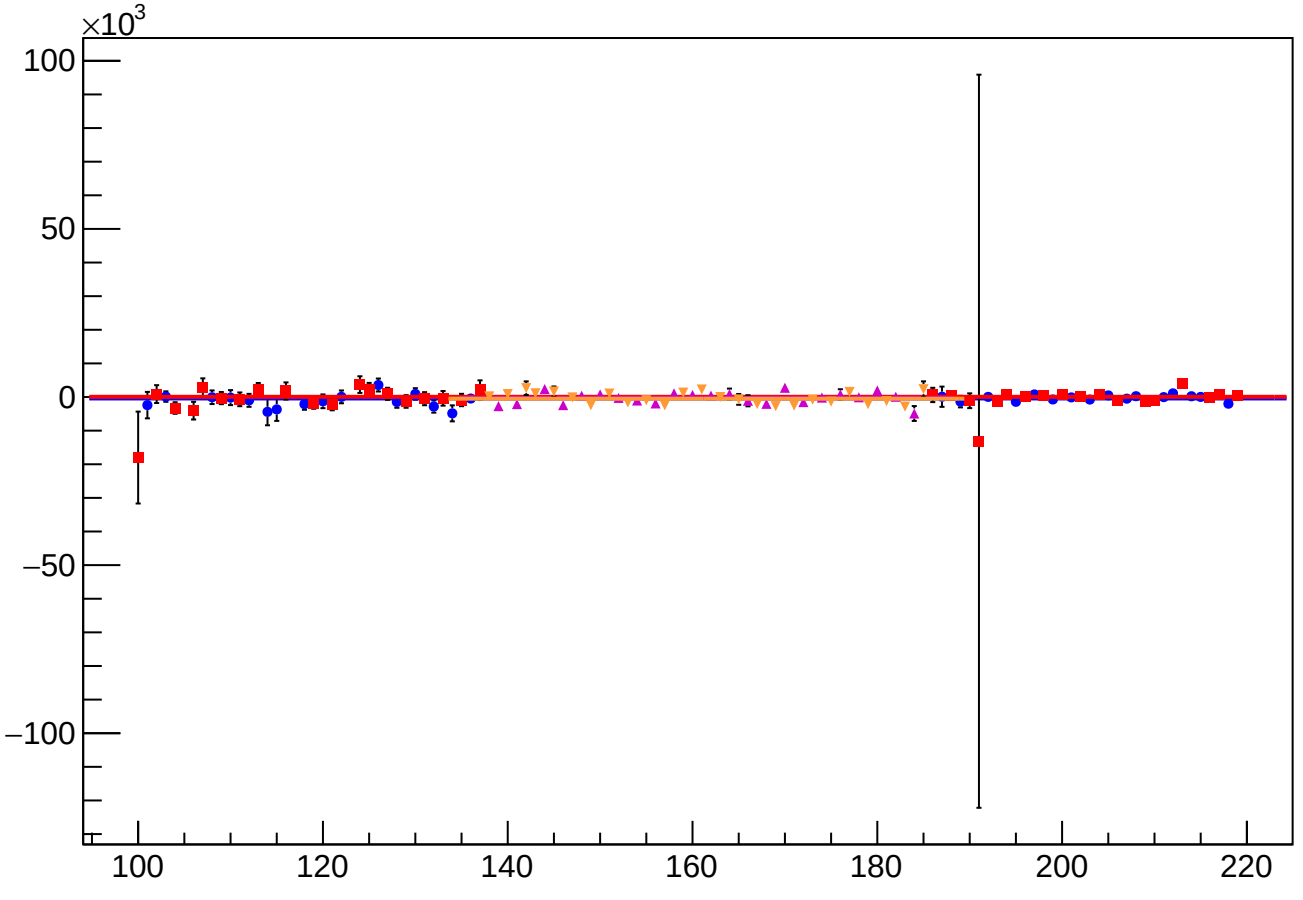
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 542.775+/-0.077 χ^2/NDF: 32500210.8/68

In: 314.026+/-0.043 χ^2/NDF:23712883.4/54

Out: 309.057+/-0.042 χ^2/NDF:26906680.3/61

All: 311.480+/-0.030 χ^2/NDF: 50626260.8/1



Right In: -425.123+/-286.211 χ^2/NDF: 19.6/31

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 62.295+/-280.261 χ^2/NDF: 32.2/36

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

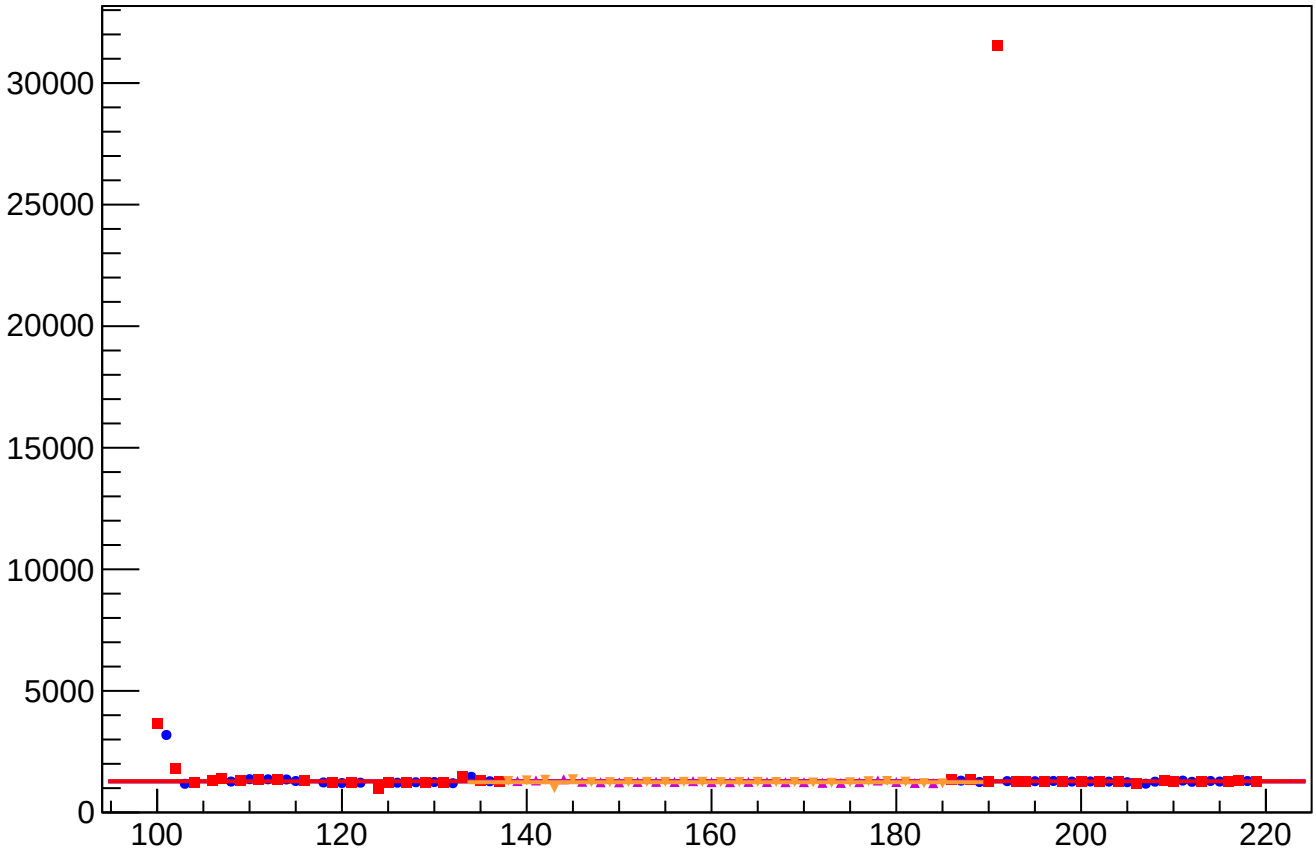
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -176.295+/-200.245 χ^2/NDF: 53.2/68

In: -336.127+/-205.195 χ^2/NDF:50.5/54

Out: -213.129+/-199.043 χ^2/NDF:68.3/61

All: -272.757+/-142.870 χ^2/NDF: 119.0/116



Right In: 1277.529+/-0.202 χ^2/NDF: 527045.1/31

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1281.524+/-0.198 χ^2/NDF: 389060.8/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

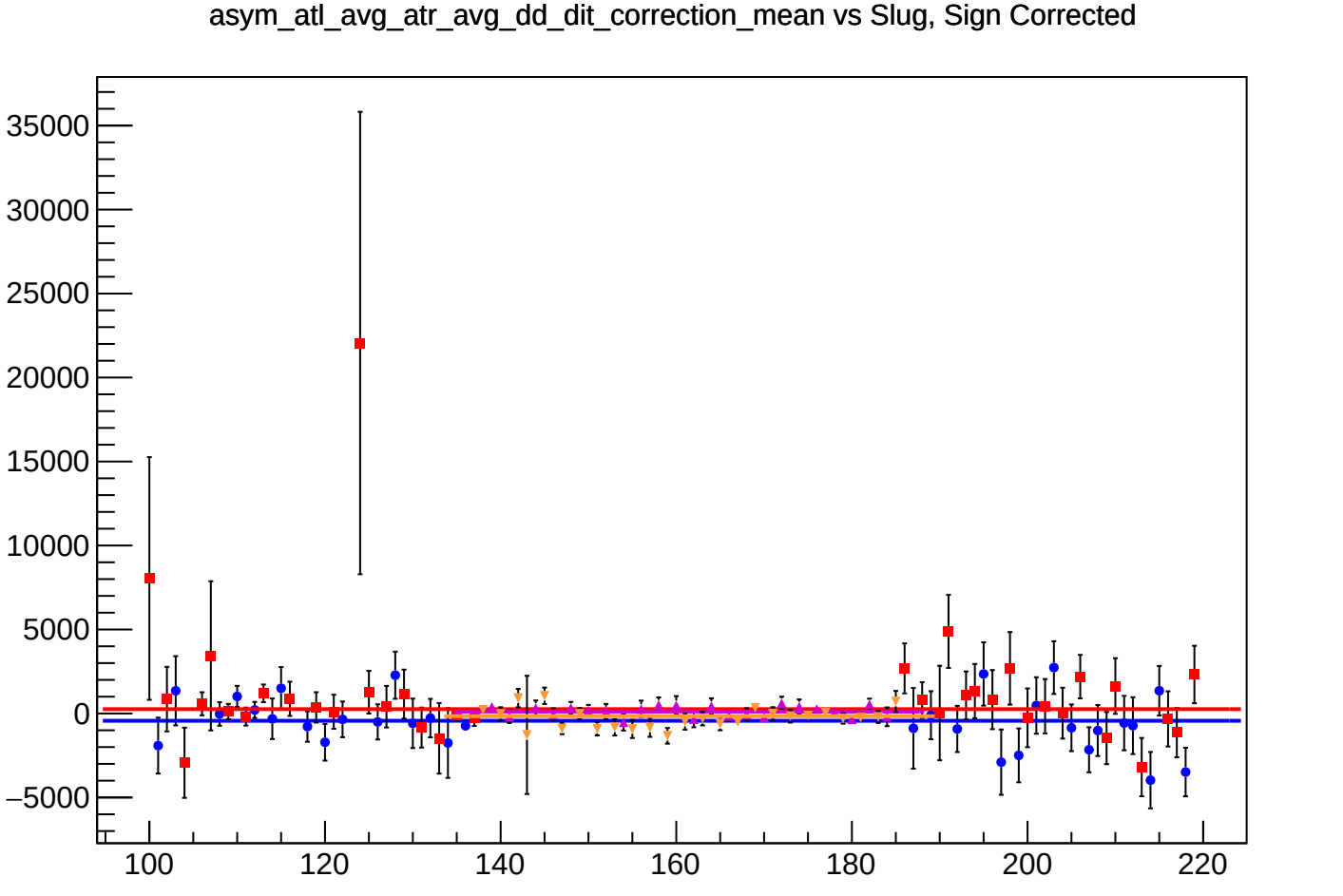
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1279.568+/-0.142 χ^2/NDF: 916304.9/68

In: 1269.055+/-0.145 χ^2/NDF:558584.2/54

Out: 1262.203+/-0.141 χ^2/NDF:538263.1/61

All: 1265.525+/-0.101 χ^2/NDF: 1097996.4/11



Right In: -433.713+/-156.119 χ^2/NDF: 41.0/31

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 257.785+/-154.587 χ^2/NDF: 36.5/36

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

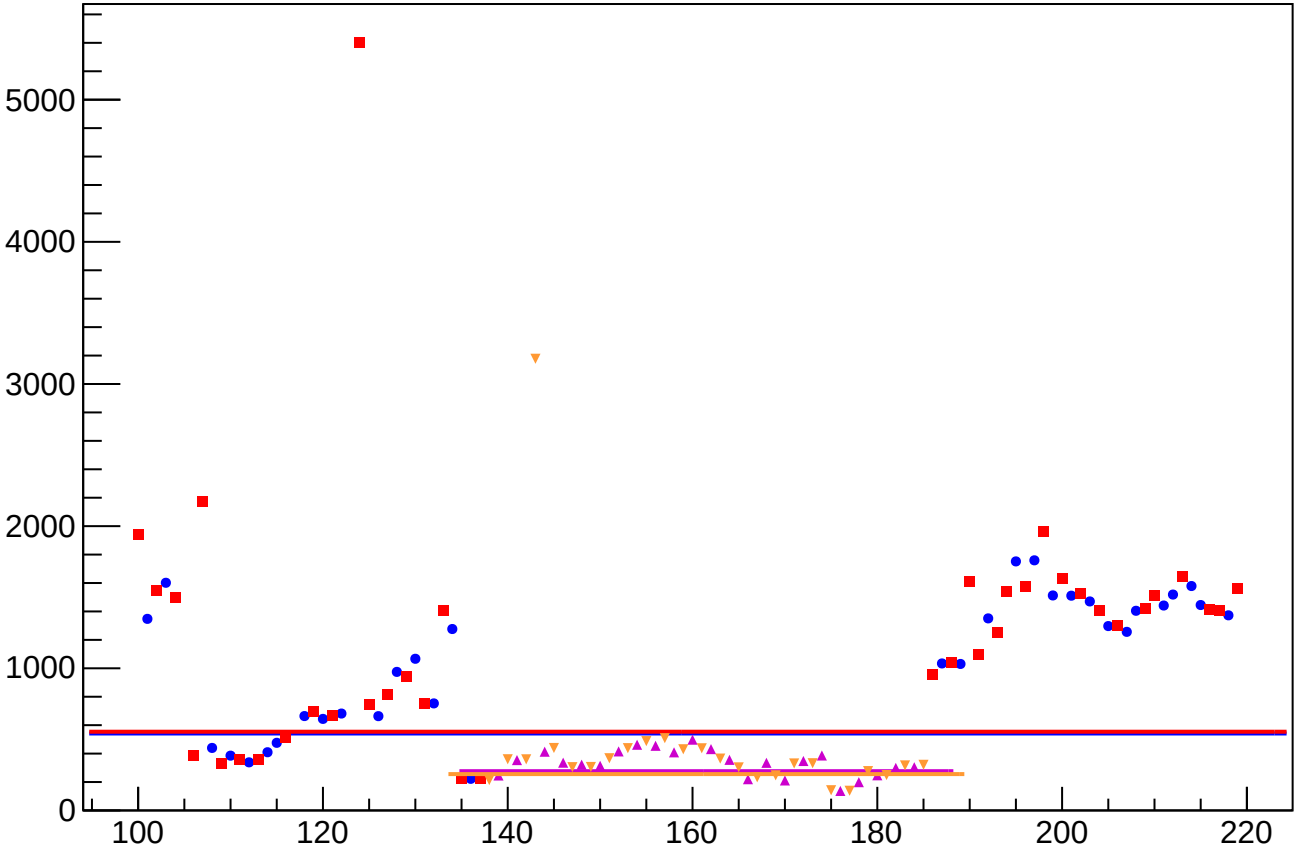
Right: -84.553+/-109.847 χ^2/NDF: 87.3/68

In: 24.608+/-62.989 χ^2/NDF:69.5/54

Out: -99.445+/-59.237 χ^2/NDF:86.5/61

All: -41.223+/-43.152 χ^2/NDF: 158.0/116

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 541.429+/-0.110 χ^2/NDF: 16077659.3/31

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 553.956+/-0.109 χ^2/NDF: 17057086.1/36

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

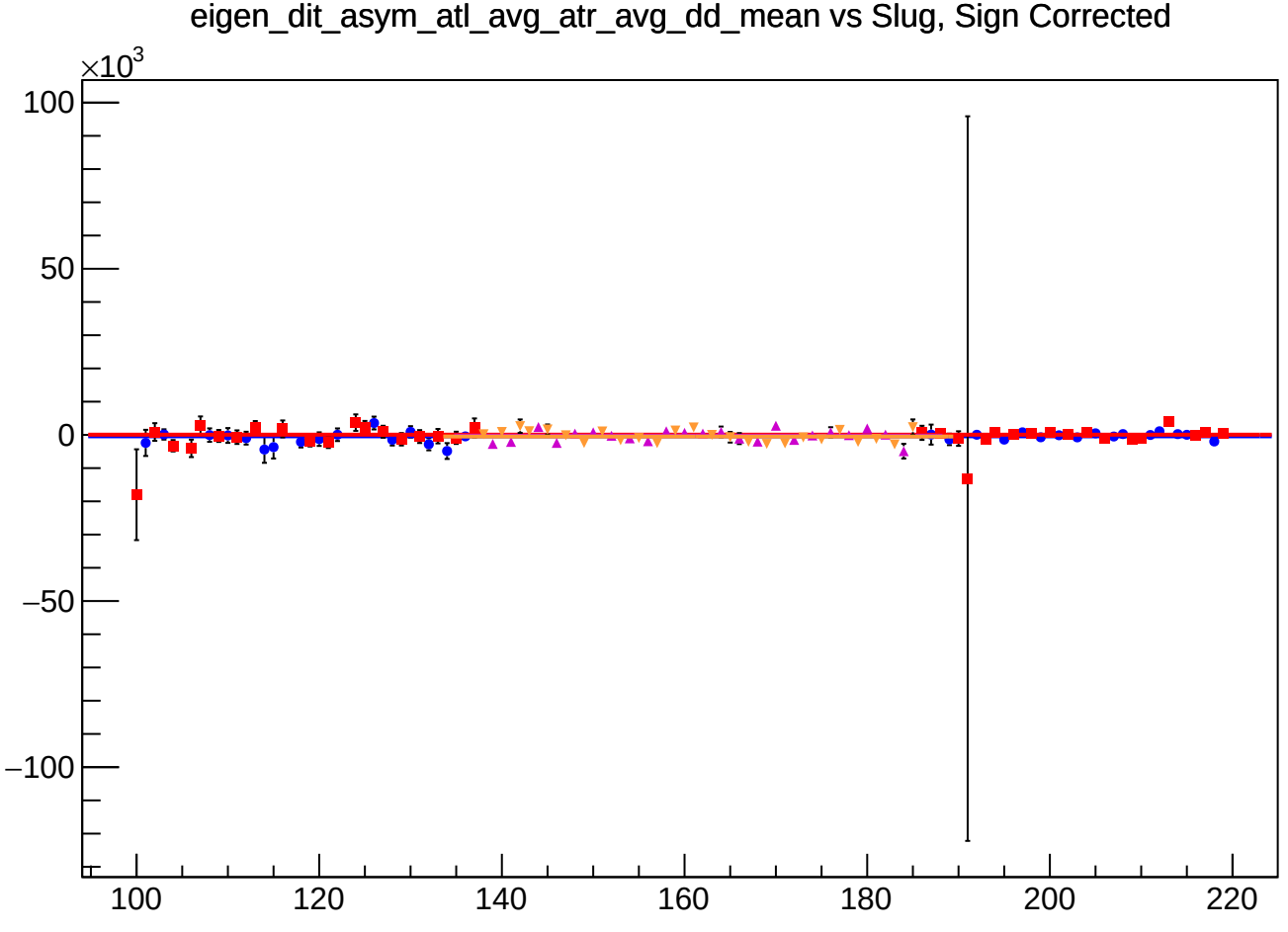
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 547.754+/-0.078 χ^2/NDF: 33141247.8/68

In: 319.458+/-0.045 χ^2/NDF:24934254.6/54

Out: 299.554+/-0.042 χ^2/NDF:29779900.1/61

All: 308.896+/-0.031 χ^2/NDF: 54820122.8/11



Right In: -425.121+/-286.211 χ^2/NDF: 19.6/31

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 62.294+/-280.261 χ^2/NDF: 32.2/36

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

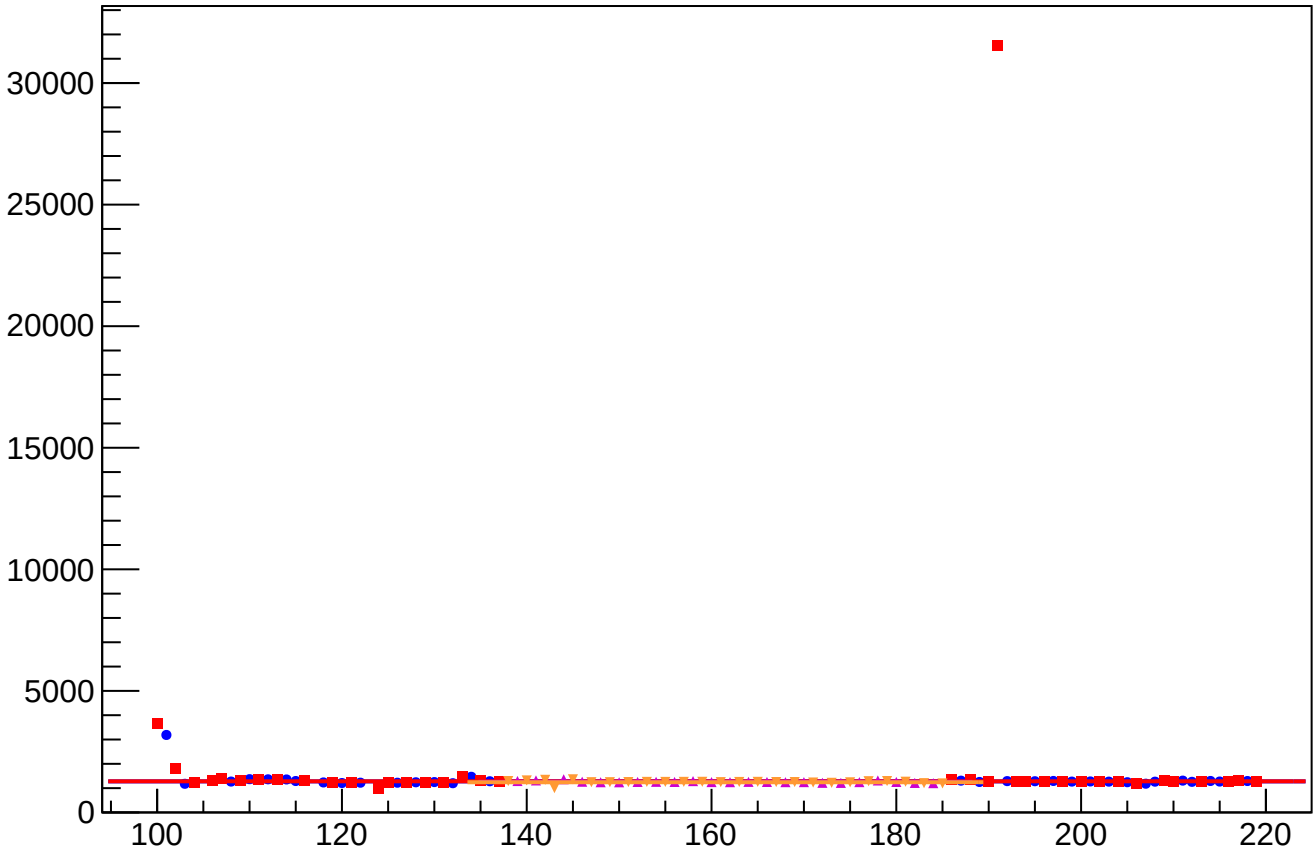
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -176.294+/-200.245 χ^2/NDF: 53.2/68

In: -336.126+/-205.195 χ^2/NDF:50.5/54

Out: -213.129+/-199.043 χ^2/NDF:68.3/61

All: -272.756+/-142.870 χ^2/NDF: 119.0/116



Right In: 1277.529+/-0.202 χ^2/NDF: 527045.1/31

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1281.524+/-0.198 χ^2/NDF: 389061.1/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

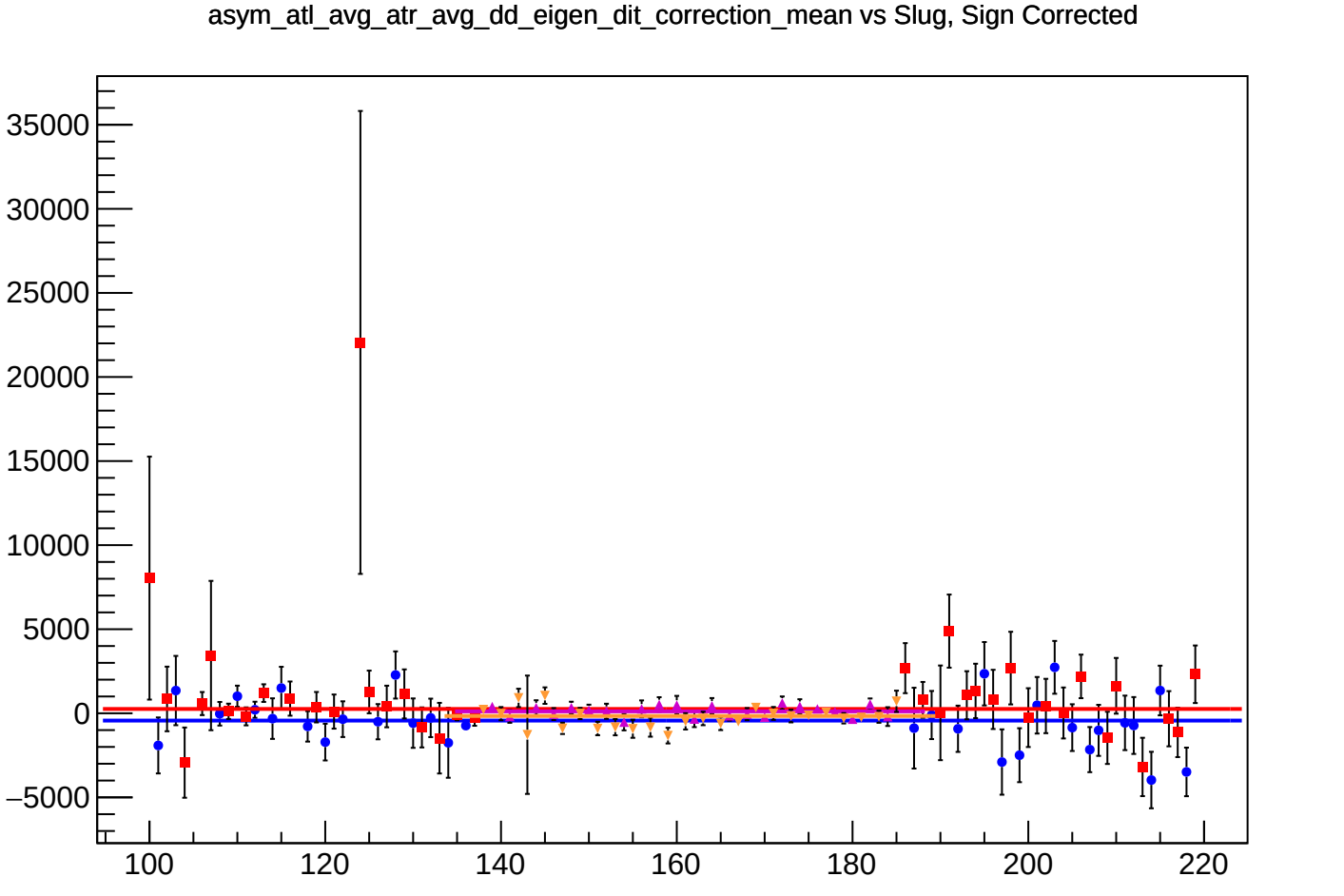
Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

Right: 1279.568+/-0.142 χ^2/NDF: 916305.2/68

In: 1269.055+/-0.145 χ^2/NDF:558584.2/54

Out: 1262.203+/-0.141 χ^2/NDF:538262.5/61

All: 1265.525+/-0.101 χ^2/NDF: 1097995.9/11



Right In: -433.716+/-156.121 χ^2/NDF: 41.0/31

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 257.793+/-154.588 χ^2/NDF: 36.5/36

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

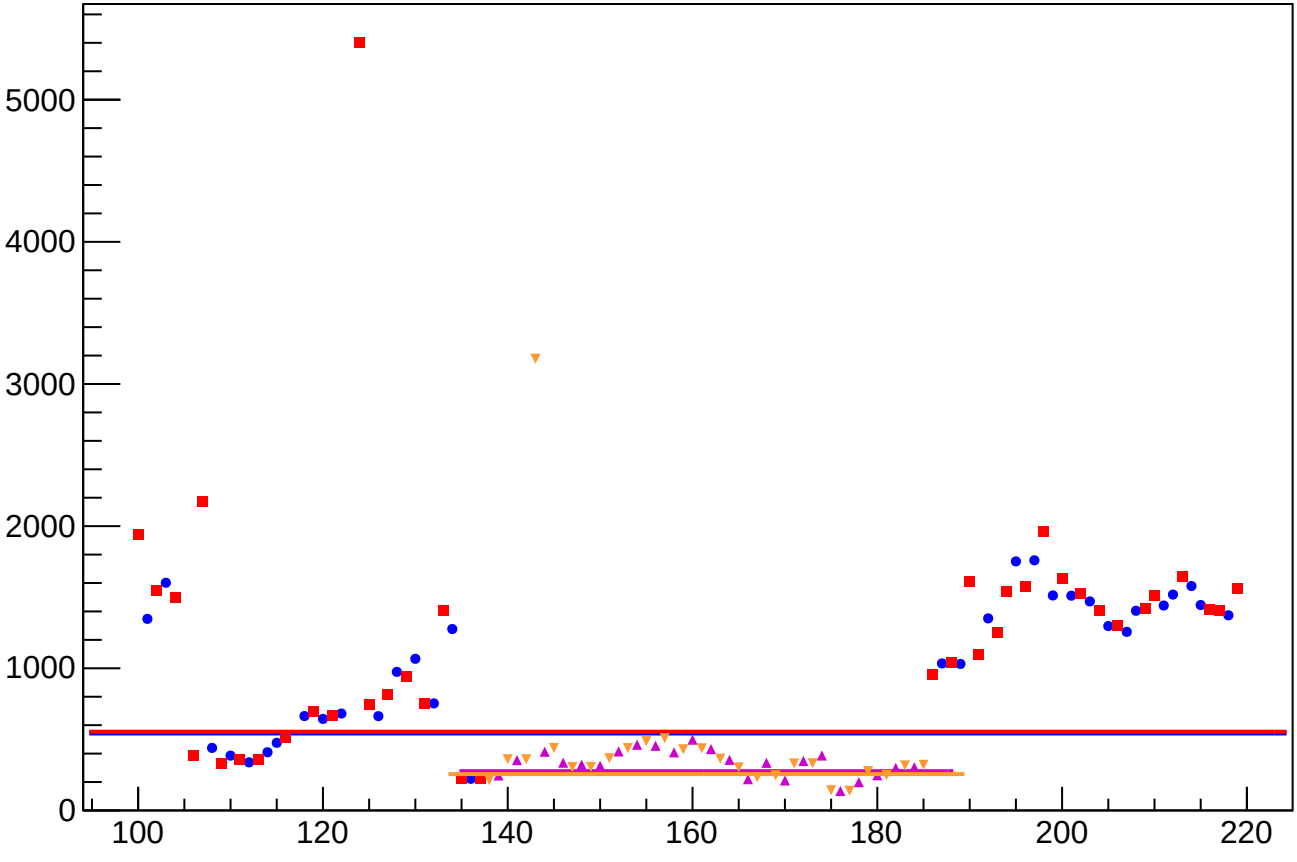
Right: -84.550+/-109.848 χ^2/NDF: 87.3/68

In: 24.608+/-62.989 χ^2/NDF:69.5/54

Out: -99.448+/-59.237 χ^2/NDF:86.5/61

All: -41.224+/-43.153 χ^2/NDF: 158.0/116

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 541.442+/-0.110 χ^2/NDF: 16077189.3/31

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 553.967+/-0.109 χ^2/NDF: 17056723.2/36

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

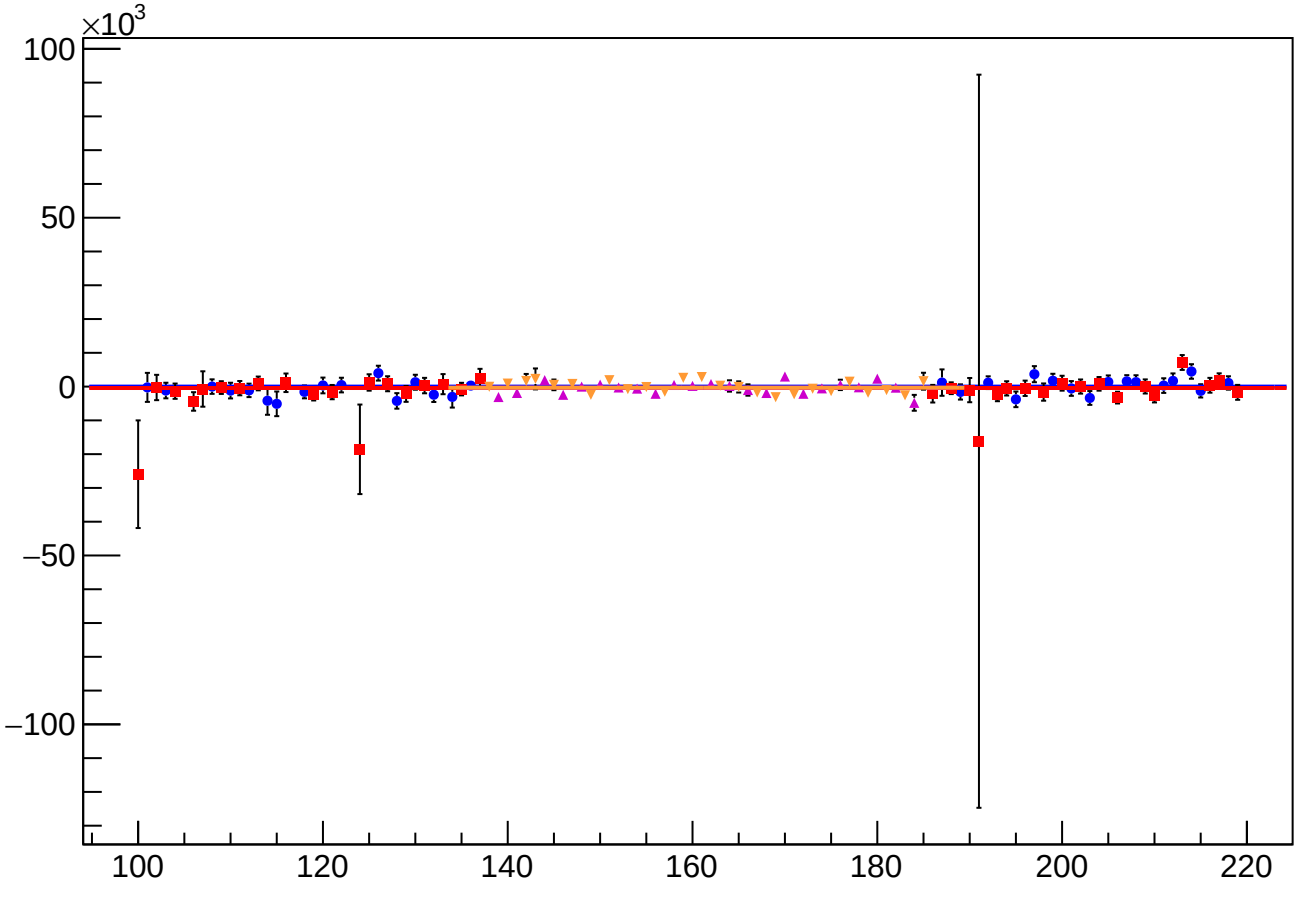
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 547.766+/-0.078 χ^2/NDF: 33140411.8/68

In: 319.459+/-0.045 χ^2/NDF:24934086.5/54

Out: 299.556+/-0.042 χ^2/NDF:29779689.8/61

All: 308.897+/-0.031 χ^2/NDF: 54819738.6/11



Right In: -3.835+/-386.837 χ^2/NDF: 30.5/31

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -416.568+/-383.461 χ^2/NDF: 31.1/36

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

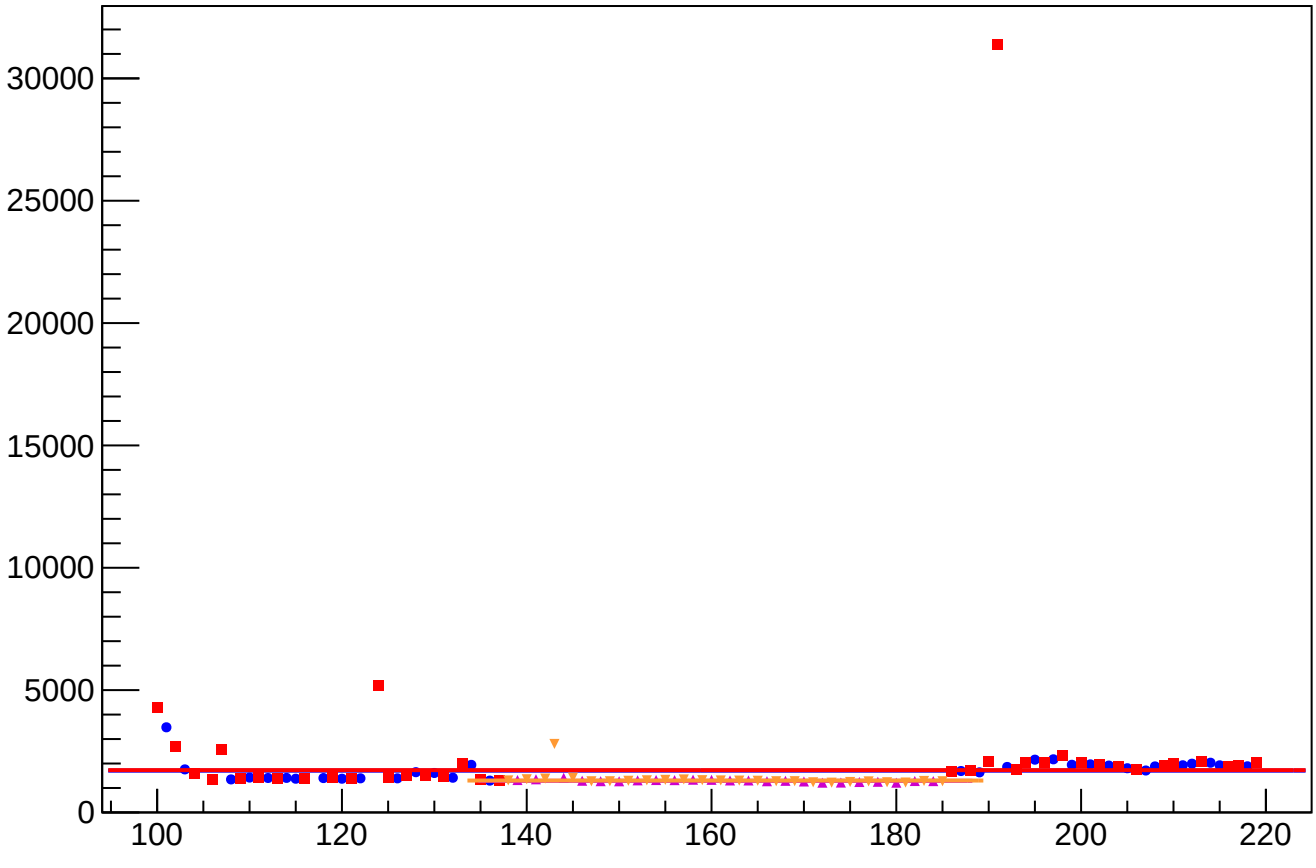
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -212.010+/-272.334 χ^2/NDF: 62.2/68

In: -222.936+/-238.000 χ^2/NDF:60.7/54

Out: -356.243+/-235.434 χ^2/NDF:62.7/61

All: -290.312+/-167.377 χ^2/NDF: 123.5/116



Right In: 1708.263+/-0.274 χ^2/NDF: 1296769.5/31

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1729.554+/-0.271 χ^2/NDF: 1574246.7/36

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

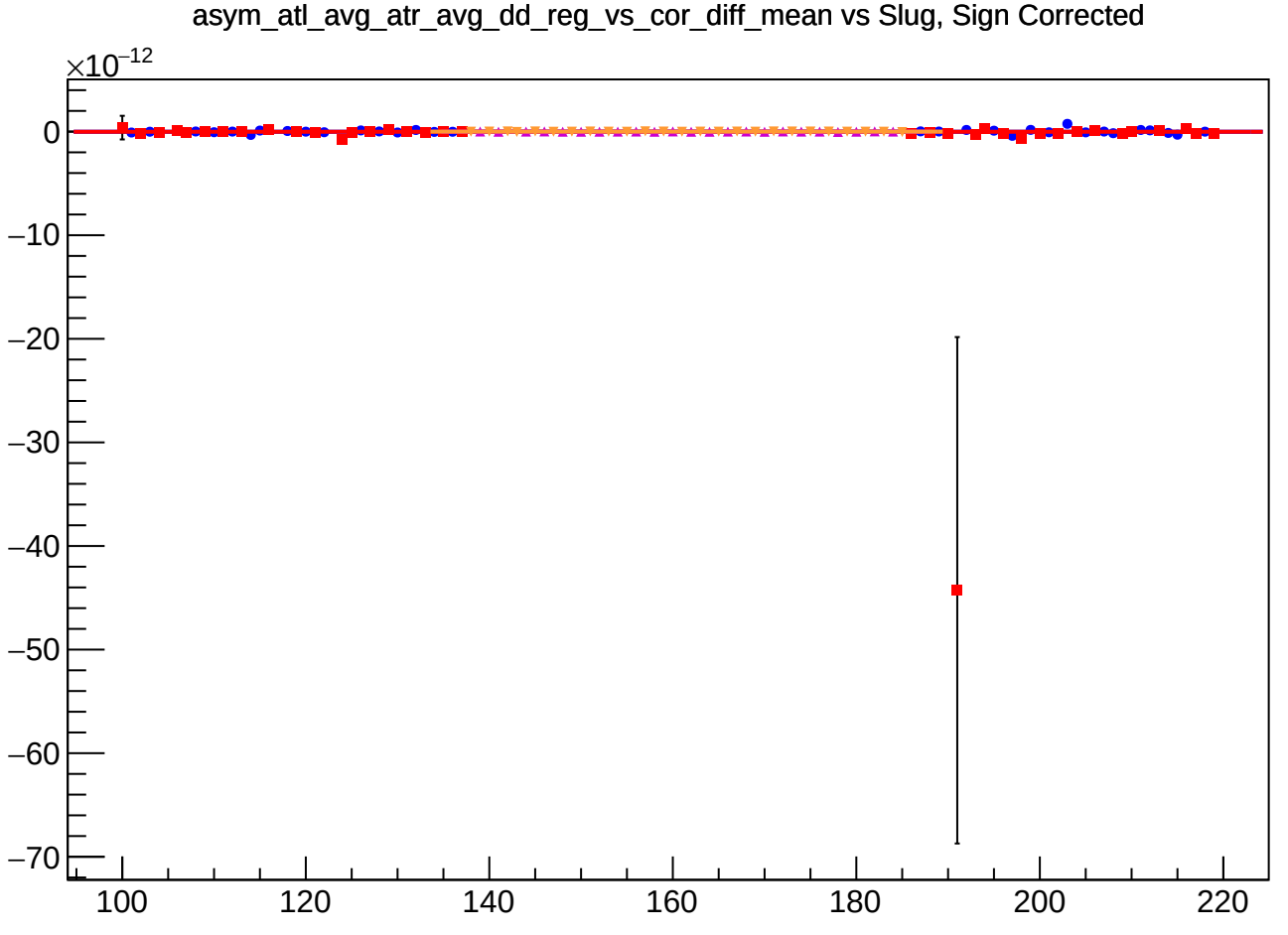
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1719.002+/-0.193 χ^2/NDF: 2874071.8/68

In: 1449.644+/-0.168 χ^2/NDF:2783498.2/54

Out: 1464.514+/-0.166 χ^2/NDF:3627392.5/61

All: 1457.160+/-0.118 χ^2/NDF: 6414836.7/11



Right In: -0.000+/-0.000 χ^2/NDF: 34.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 44.4/36

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

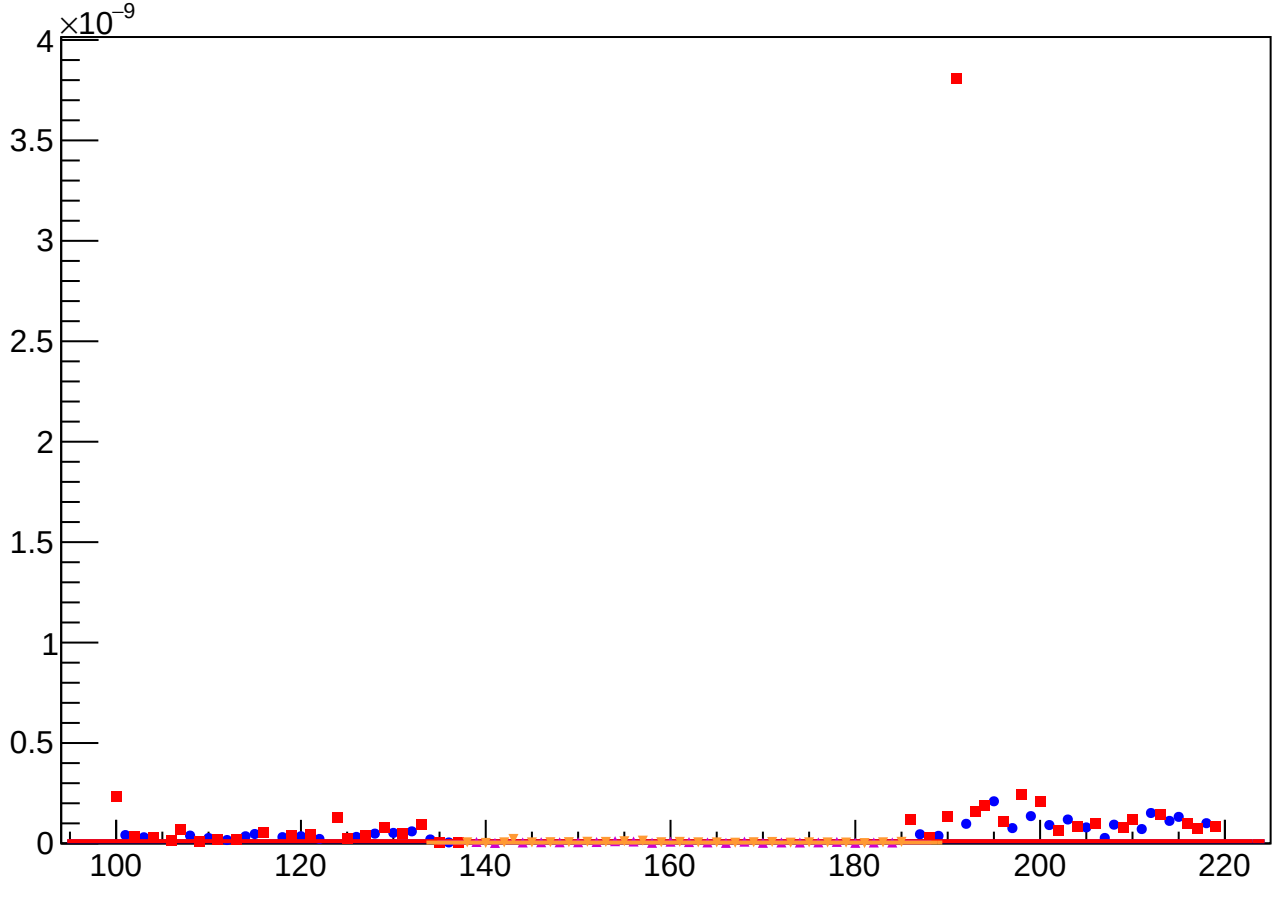
Right: -0.000+/-0.000 χ^2/NDF: 78.6/68

In: -0.000+/-0.000 χ^2/NDF:65.8/54

Out: -0.000+/-0.000 χ^2/NDF:71.7/61

All: -0.000+/-0.000 χ^2/NDF: 137.9/116

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10777670.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12572890.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

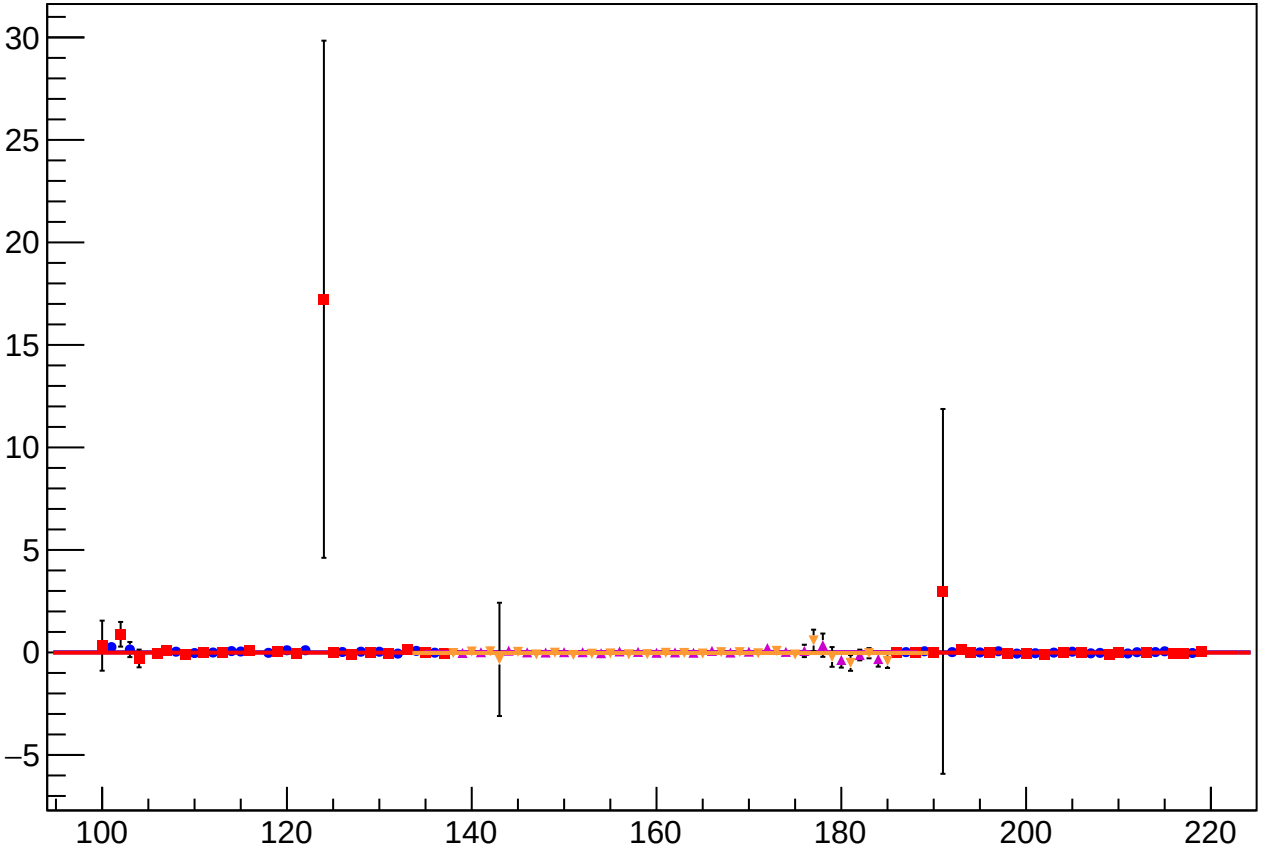
Right: 0.000+/-0.000 χ^2/NDF: 23360070.2/68

In: 0.000+/-0.000 χ^2/NDF:13922319.1/54

Out: 0.000+/-0.000 χ^2/NDF:16800125.4/61

All: 0.000+/-0.000 χ^2/NDF: 30752290.7/116

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.010 χ^2/NDF: 19.2/31

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

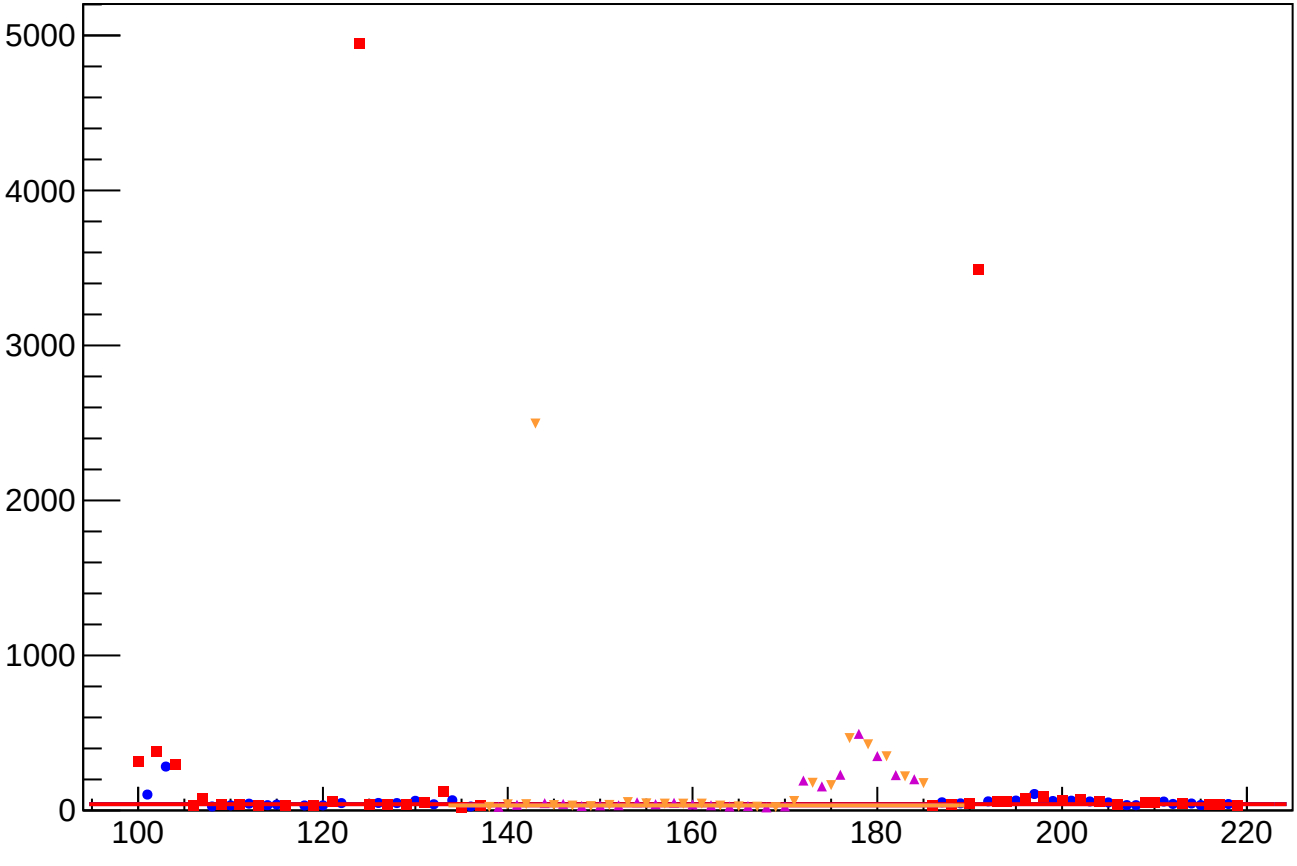
Right: -0.002+/-0.007 χ^2/NDF: 51.4/68

In: 0.009+/-0.007 χ^2/NDF:32.4/54

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 101.5/116

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.228+/-0.007 χ^2/NDF: 4315175.4/31

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

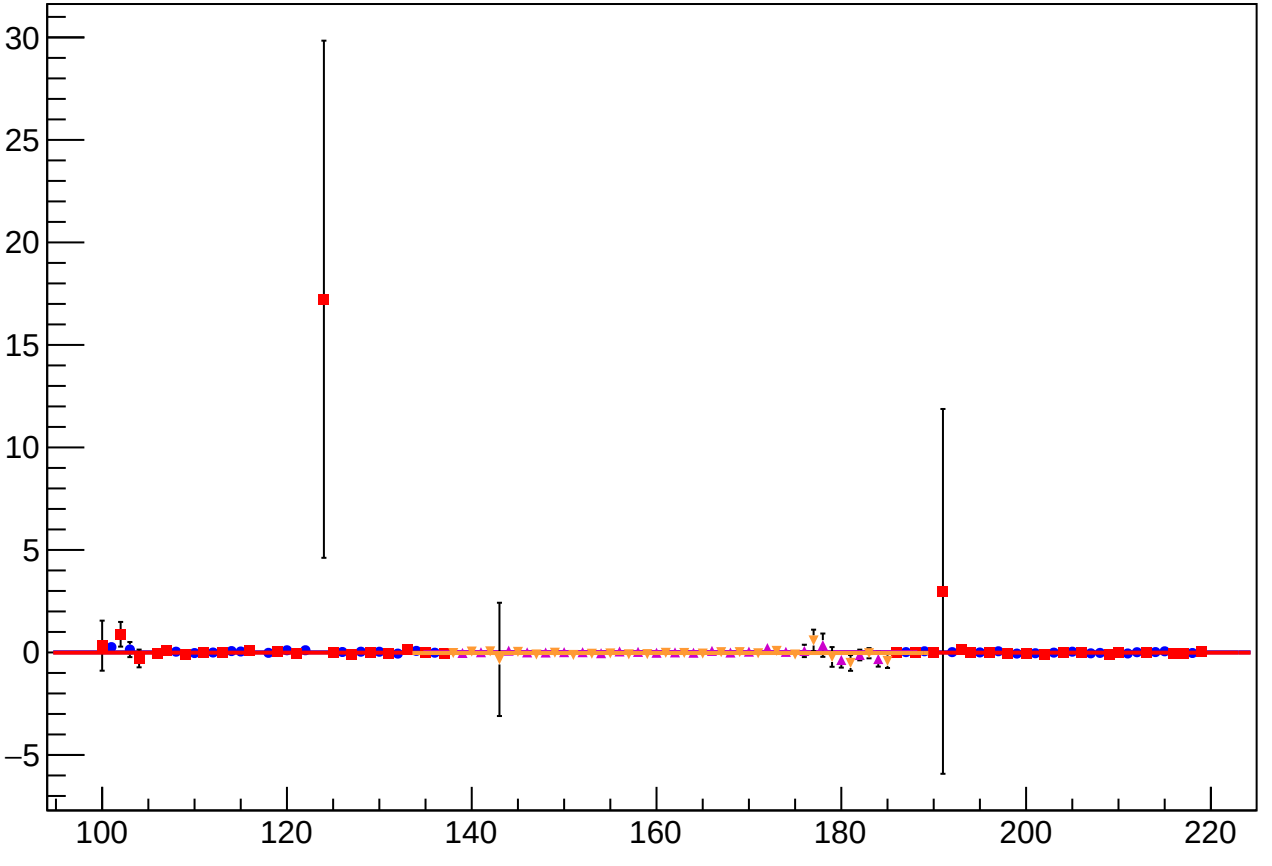
Right: 40.804+/-0.005 χ^2/NDF: 9963714.2/68

In: 36.610+/-0.005 χ^2/NDF:14006951.3/54

Out: 36.266+/-0.005 χ^2/NDF:17158533.0/61

All: 36.436+/-0.003 χ^2/NDF: 31167927.6/116

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: 19.2/31

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

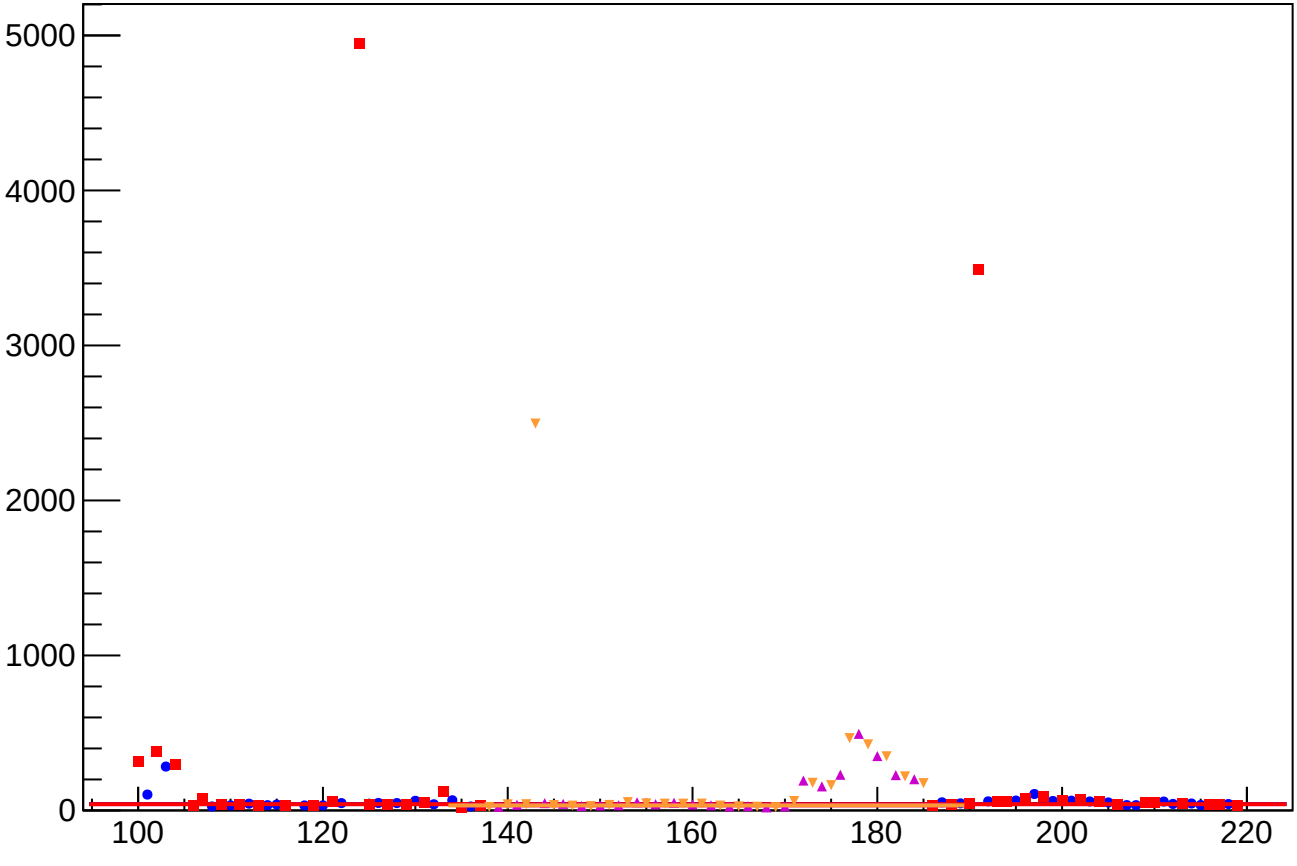
Right: -0.002+/-0.007 χ^2/NDF: 51.4/68

In: 0.009+/-0.007 χ^2/NDF:32.4/54

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 101.5/116

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.228+/-0.007 χ^2/NDF: 4315175.4/31

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

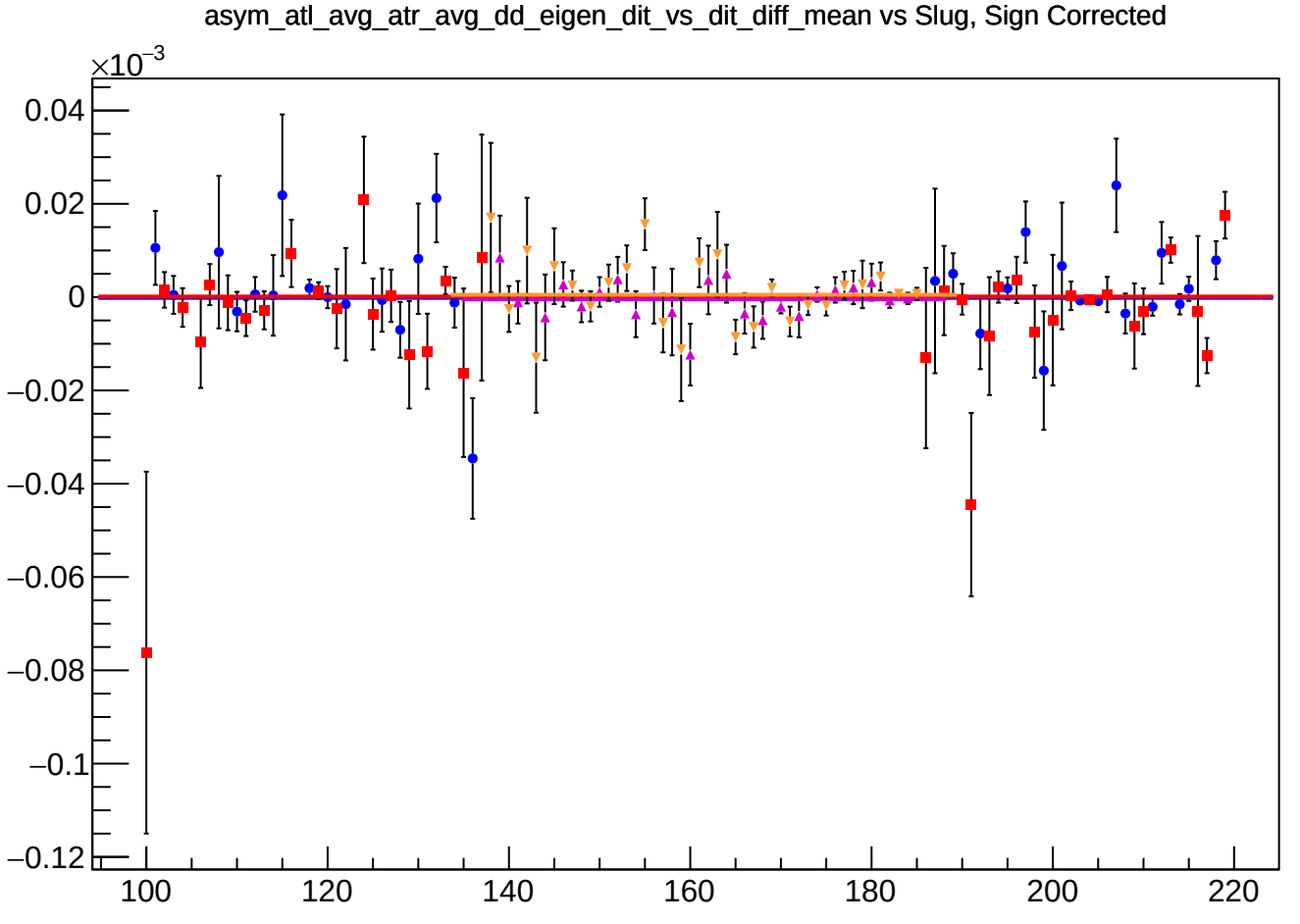
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 40.804+/-0.005 χ^2/NDF: 9963714.2/68

In: 36.610+/-0.005 χ^2/NDF:14006951.3/54

Out: 36.266+/-0.005 χ^2/NDF:17158533.0/61

All: 36.436+/-0.003 χ^2/NDF: 31167927.6/116



Right In: -0.000+/-0.000 χ^2/NDF: 44.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 64.3/36

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

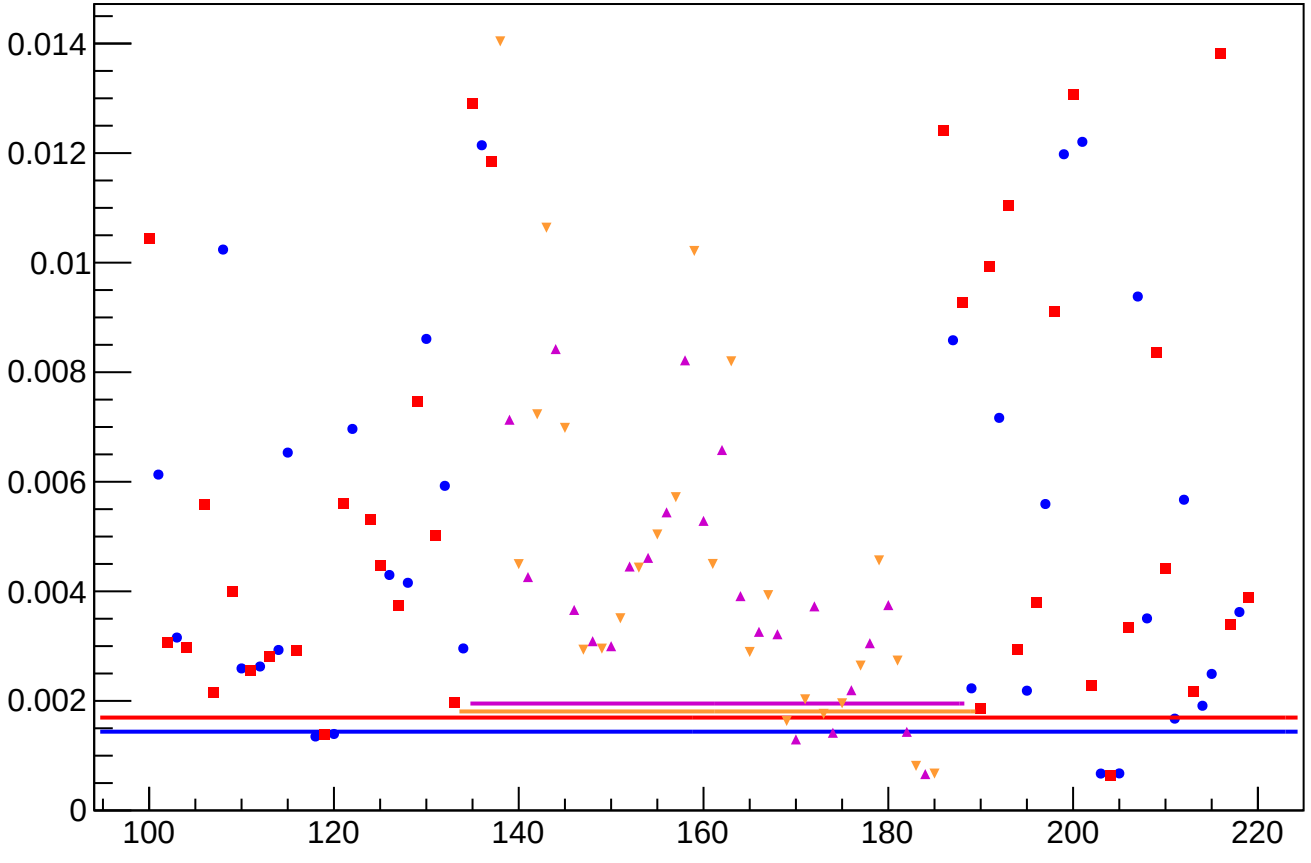
Right: -0.000+/-0.000 χ^2/NDF: 109.3/68

In: -0.000+/-0.000 χ^2/NDF:58.7/54

Out: 0.000+/-0.000 χ^2/NDF:100.3/61

All: 0.000+/-0.000 χ^2/NDF: 160.1/116

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: 17883607.9/31

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 19241886.0/36

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

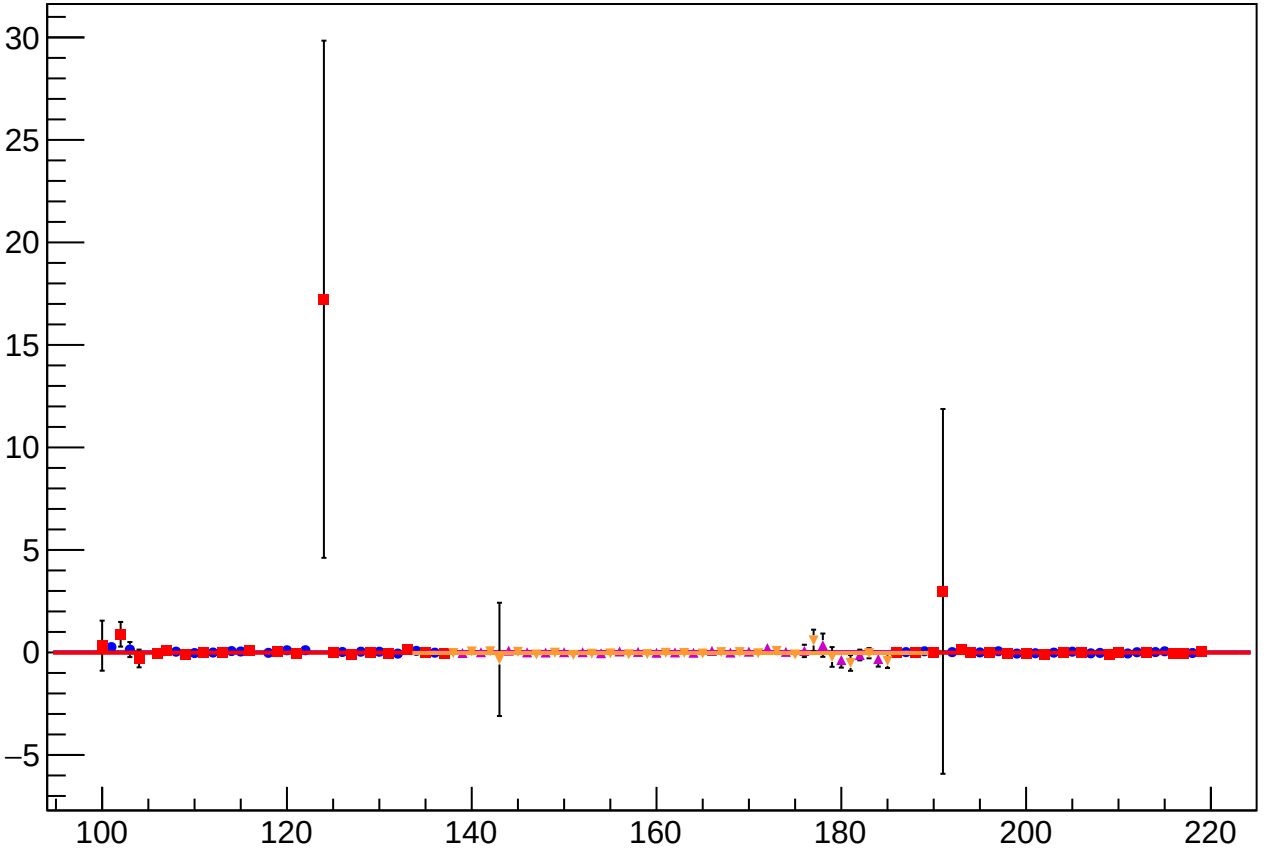
Right: 0.002+/-0.000 χ^2/NDF: 37386100.1/68

In: 0.002+/-0.000 χ^2/NDF:30293009.4/54

Out: 0.002+/-0.000 χ^2/NDF:34225655.4/61

All: 0.002+/-0.000 χ^2/NDF: 64608607.7/116

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: 19.2/31

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

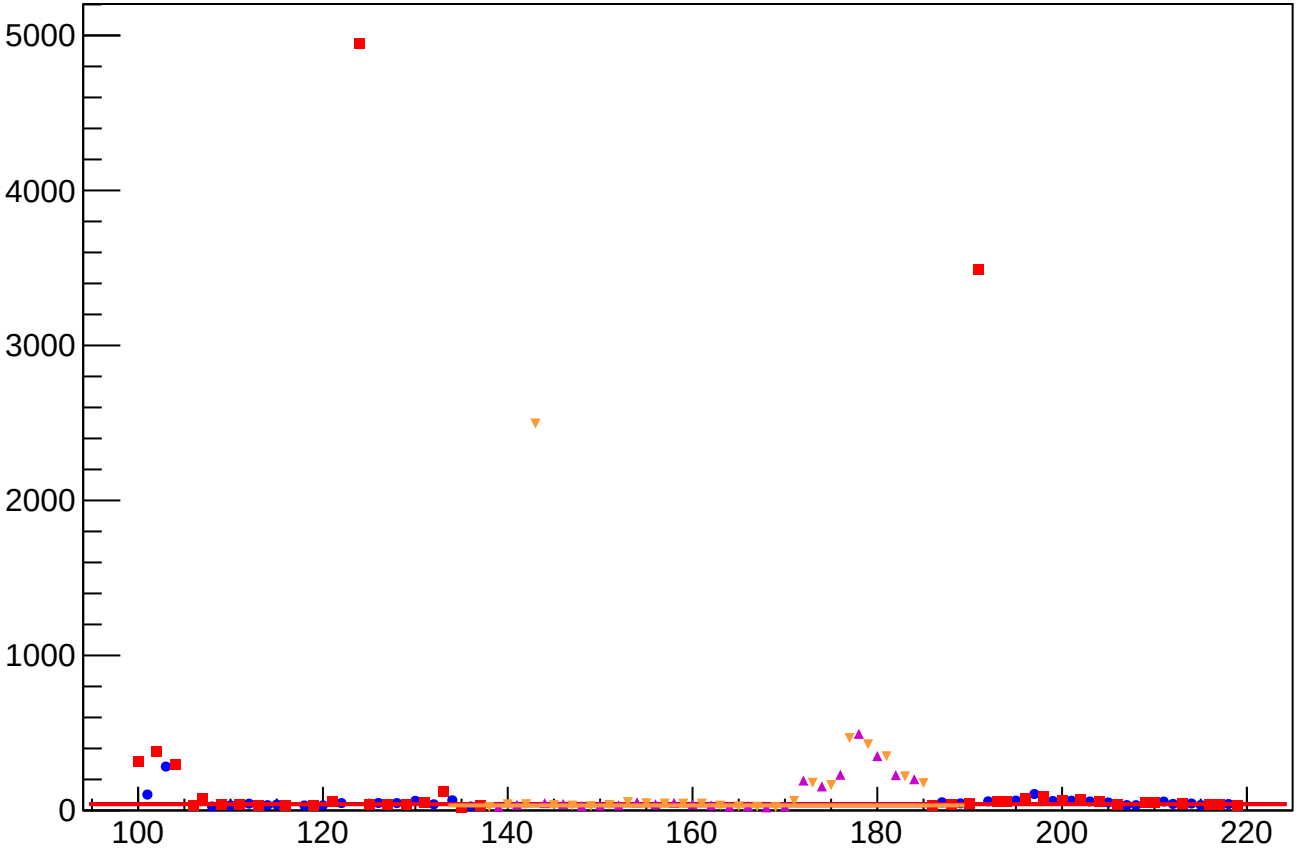
Right: -0.002+/-0.007 χ^2/NDF: 51.4/68

In: 0.009+/-0.007 χ^2/NDF:32.4/54

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 101.5/116

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.228+/-0.007 χ^2/NDF: 4314811.8/31

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

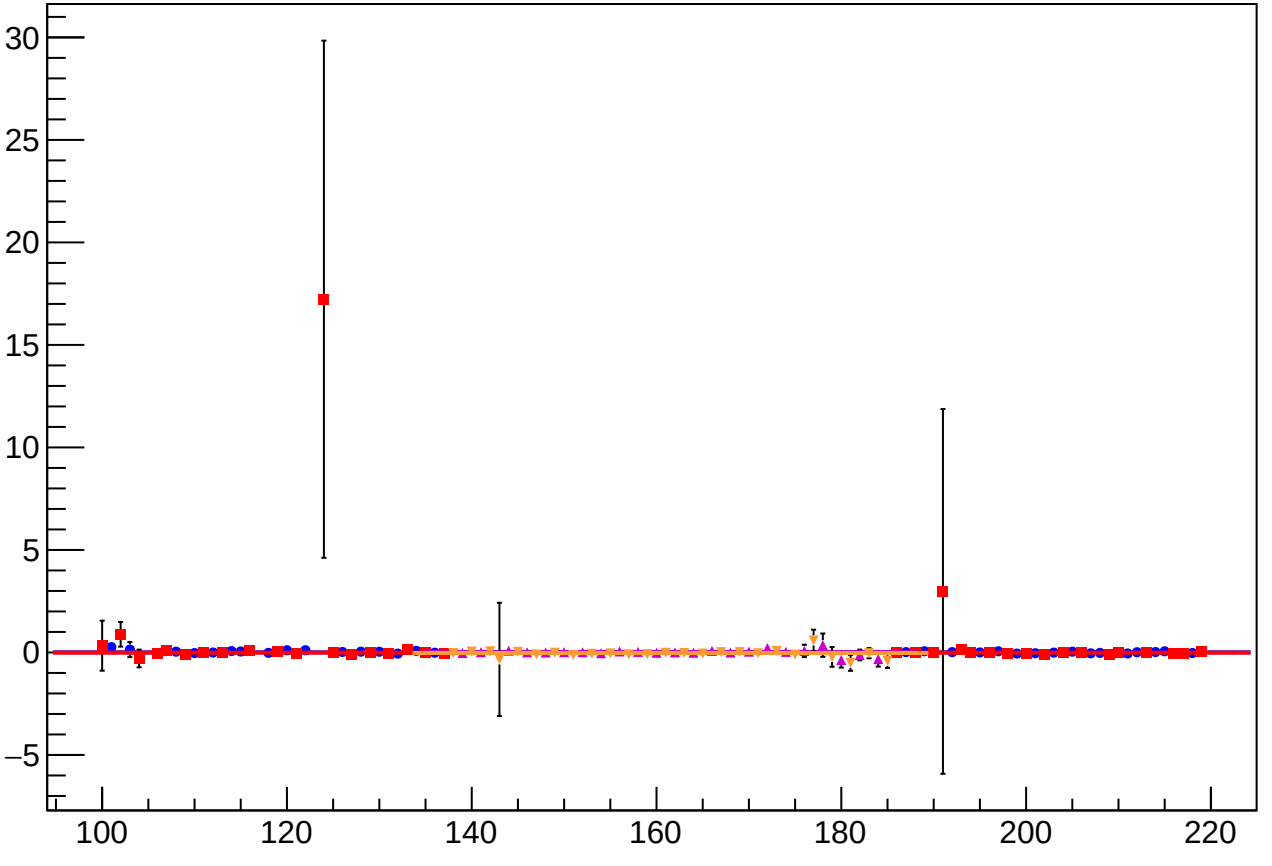
Right: 40.805+/-0.005 χ^2/NDF: 9963117.0/68

In: 36.610+/-0.005 χ^2/NDF:14007488.2/54

Out: 36.266+/-0.005 χ^2/NDF:17158601.7/61

All: 36.436+/-0.003 χ^2/NDF: 31168524.1/116

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: 19.2/31

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

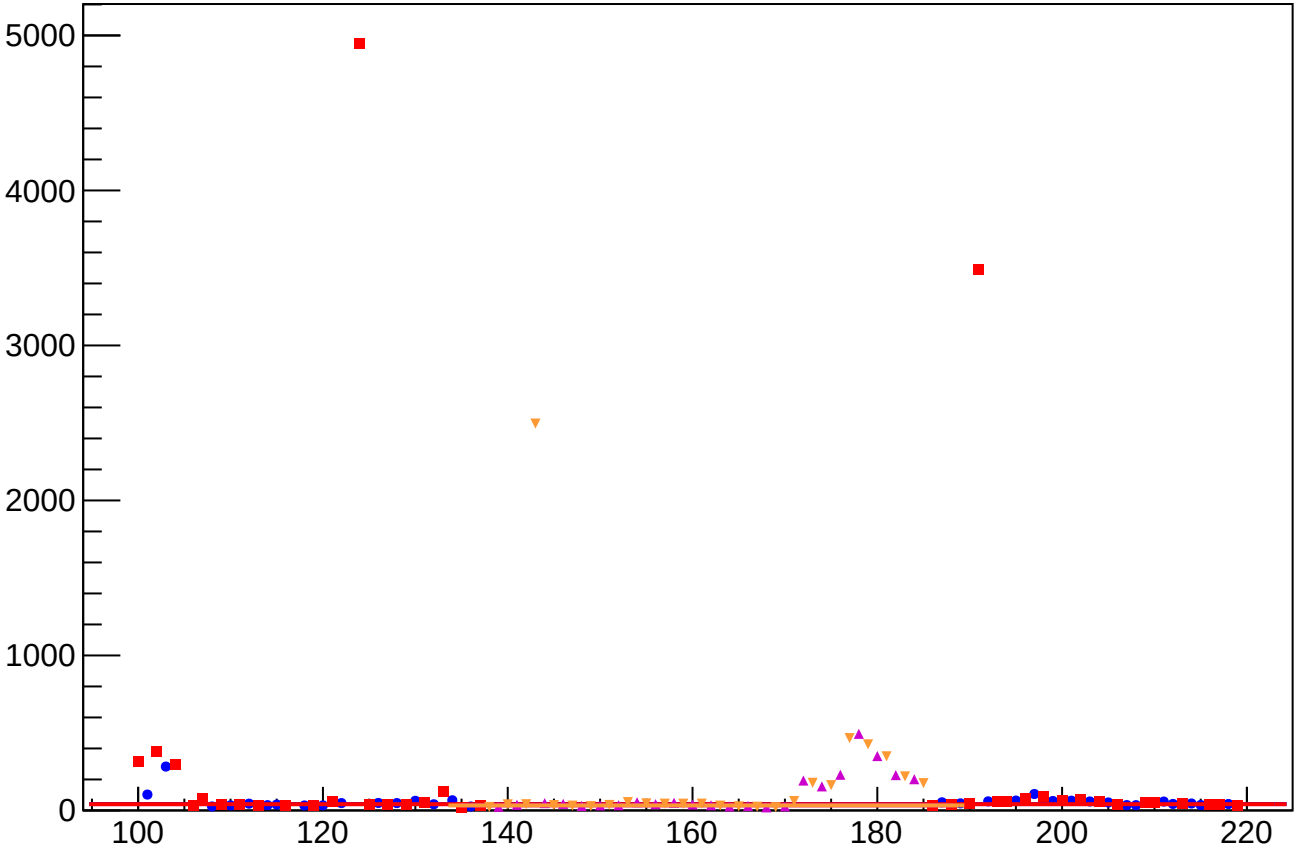
Right: -0.002+/-0.007 χ^2/NDF: 51.4/68

In: 0.009+/-0.007 χ^2/NDF:32.4/54

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 101.5/116

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.228+/-0.007 χ^2/NDF: 4314811.8/31

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

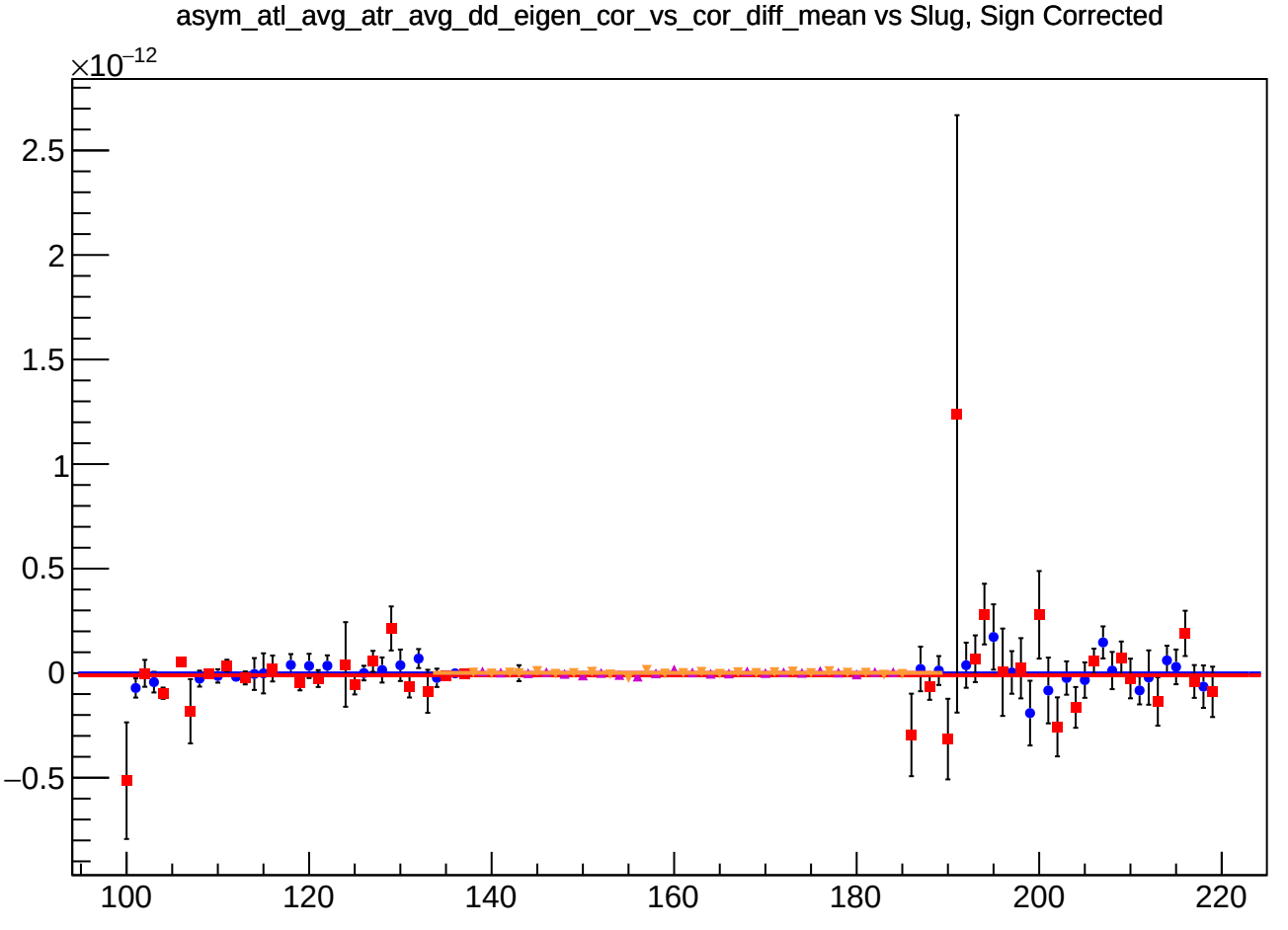
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 40.805+/-0.005 χ^2/NDF: 9963117.0/68

In: 36.610+/-0.005 χ^2/NDF:14007488.2/54

Out: 36.266+/-0.005 χ^2/NDF:17158601.7/61

All: 36.436+/-0.003 χ^2/NDF: 31168524.1/116



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 65.5/36

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

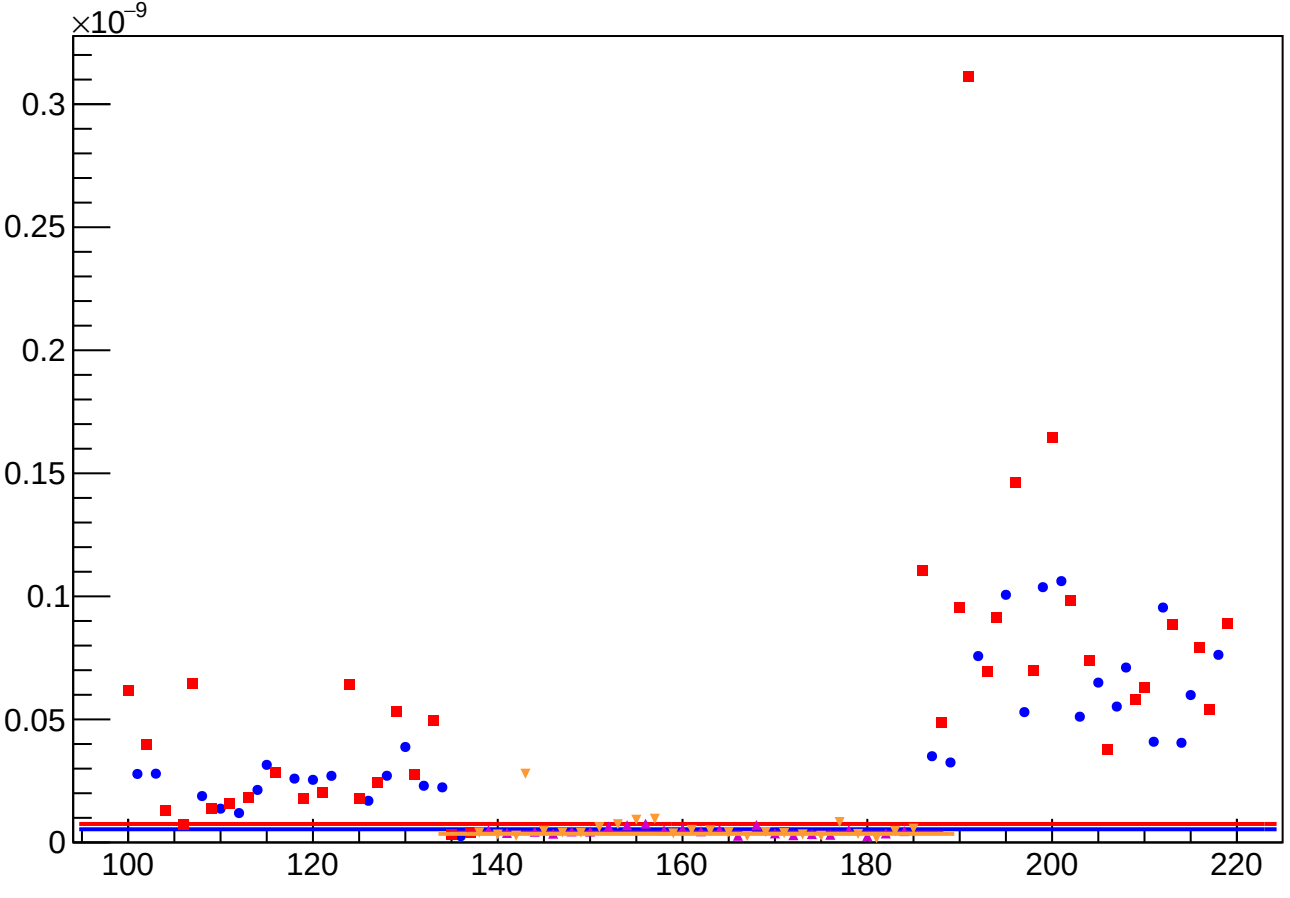
Right: -0.000+/-0.000 χ^2/NDF: 87.1/68

In: 0.000+/-0.000 χ^2/NDF:47.8/54

Out: 0.000+/-0.000 χ^2/NDF:91.3/61

All: 0.000+/-0.000 χ^2/NDF: 139.0/116

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: 16874327.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17918262.2/36

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

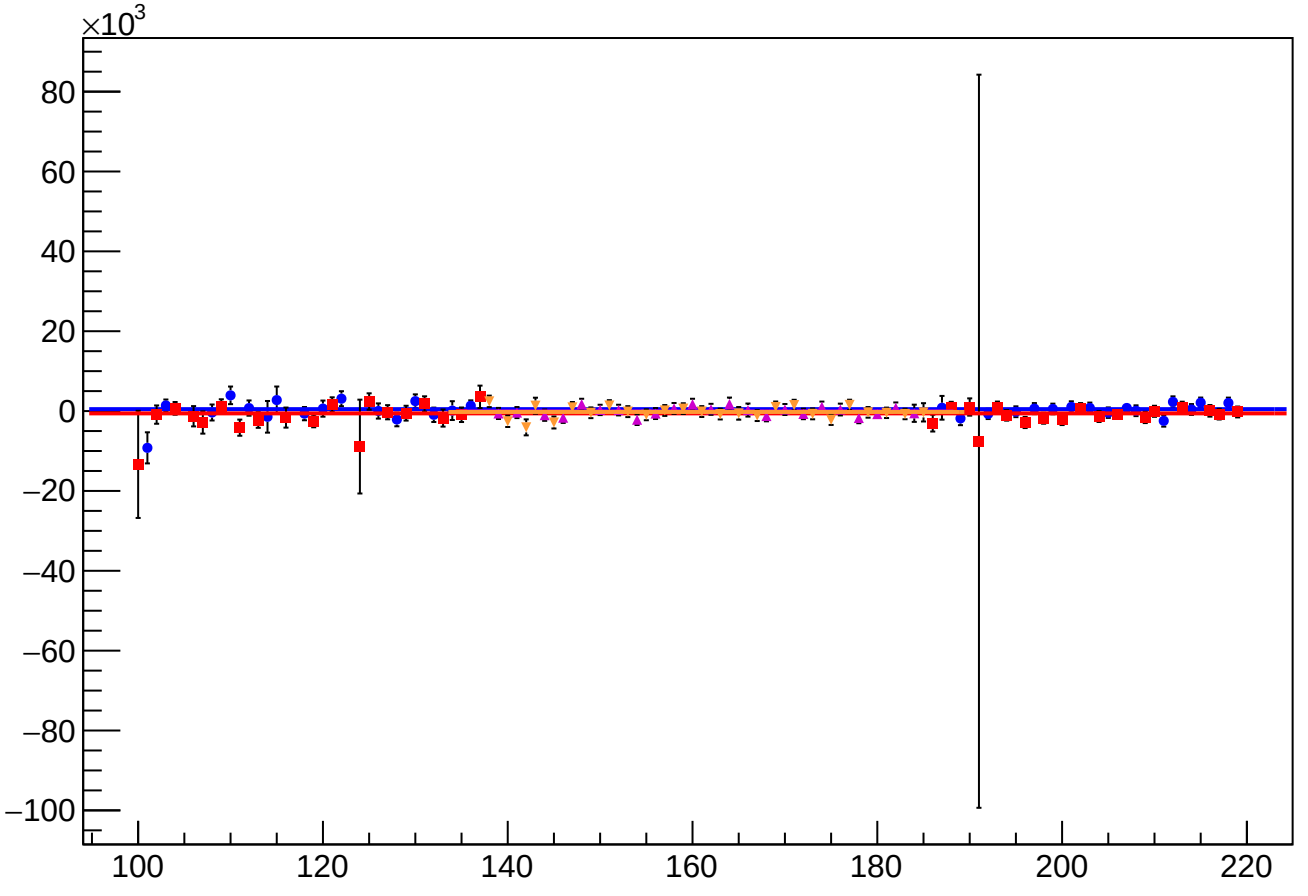
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 35119740.2/68

In: 0.000+/-0.000 χ^2/NDF:19247225.1/54

Out: 0.000+/-0.000 χ^2/NDF:24392038.8/61

All: 0.000+/-0.000 χ^2/NDF: 43765488.4/116



Right In: 483.312+/-282.483 χ^2/NDF: 29.6/31

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -576.736+/-277.611 χ^2/NDF: 29.8/36

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

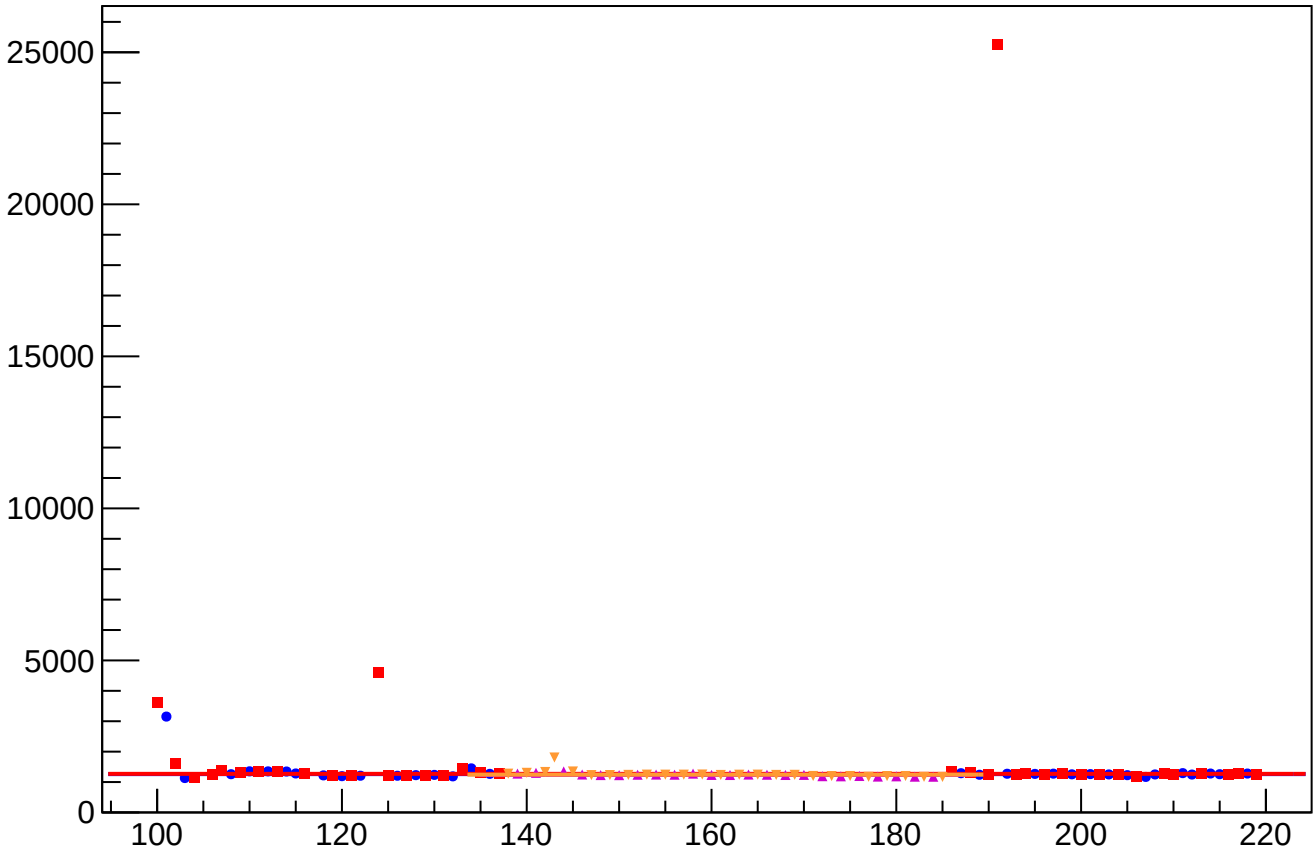
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -55.932+/-198.000 χ^2/NDF: 66.6/68

In: 201.239+/-201.742 χ^2/NDF:46.3/54

Out: -402.185+/-198.197 χ^2/NDF:54.5/61

All: -105.821+/-141.383 χ^2/NDF: 105.4/116



Right In: 1260.790+/-0.200 χ^2/NDF: 536064.1/31

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1269.545+/-0.196 χ^2/NDF: 487602.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

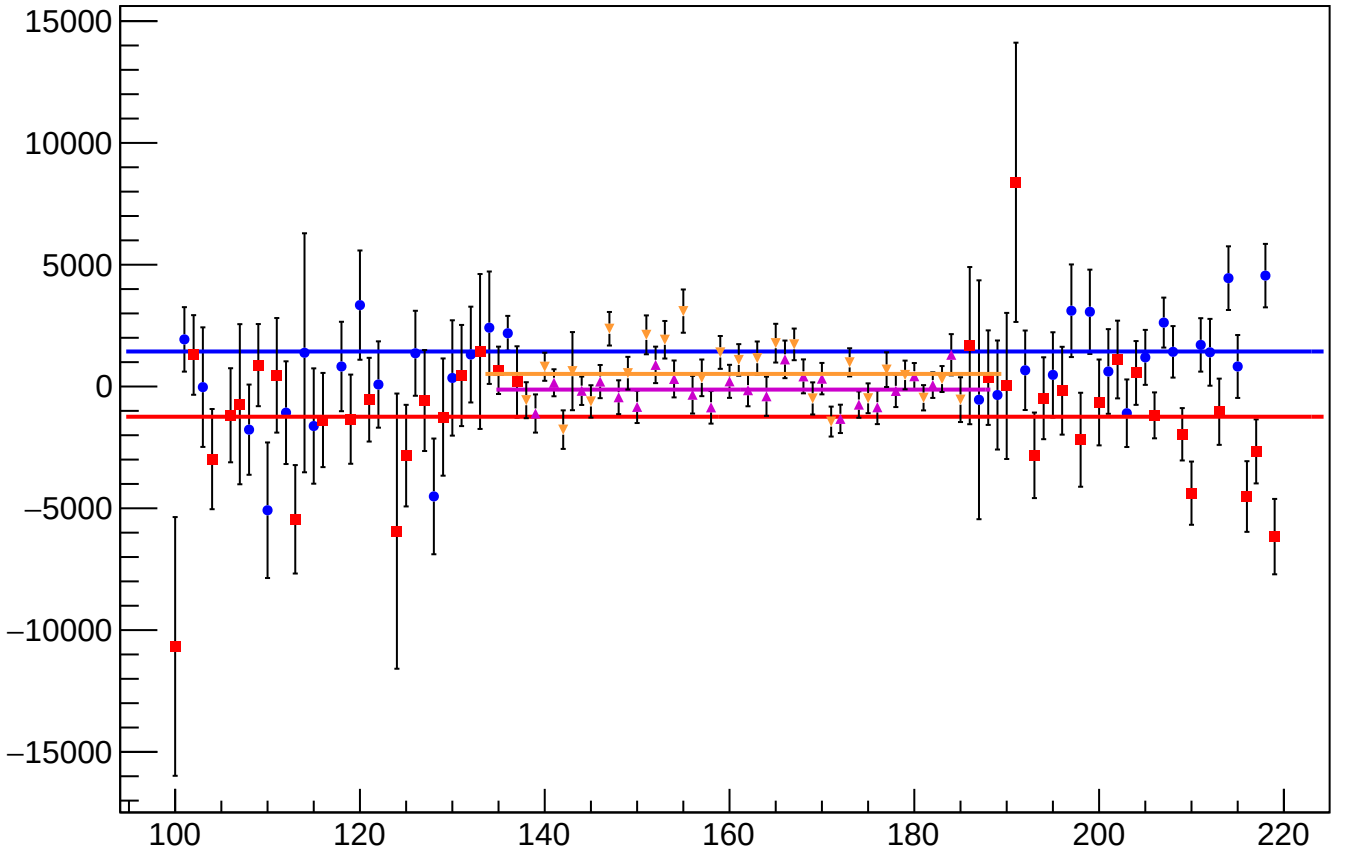
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1265.244+/-0.140 χ^2/NDF: 1024644.4/68

In: 1247.543+/-0.143 χ^2/NDF:584322.8/54

Out: 1256.445+/-0.140 χ^2/NDF:699986.5/61

All: 1252.072+/-0.100 χ^2/NDF: 1286290.9/11



Right In: 1437.772+/-270.298 χ^2/NDF: 40.5/31

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -1240.765+/-279.291 χ^2/NDF: 52.7/36

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

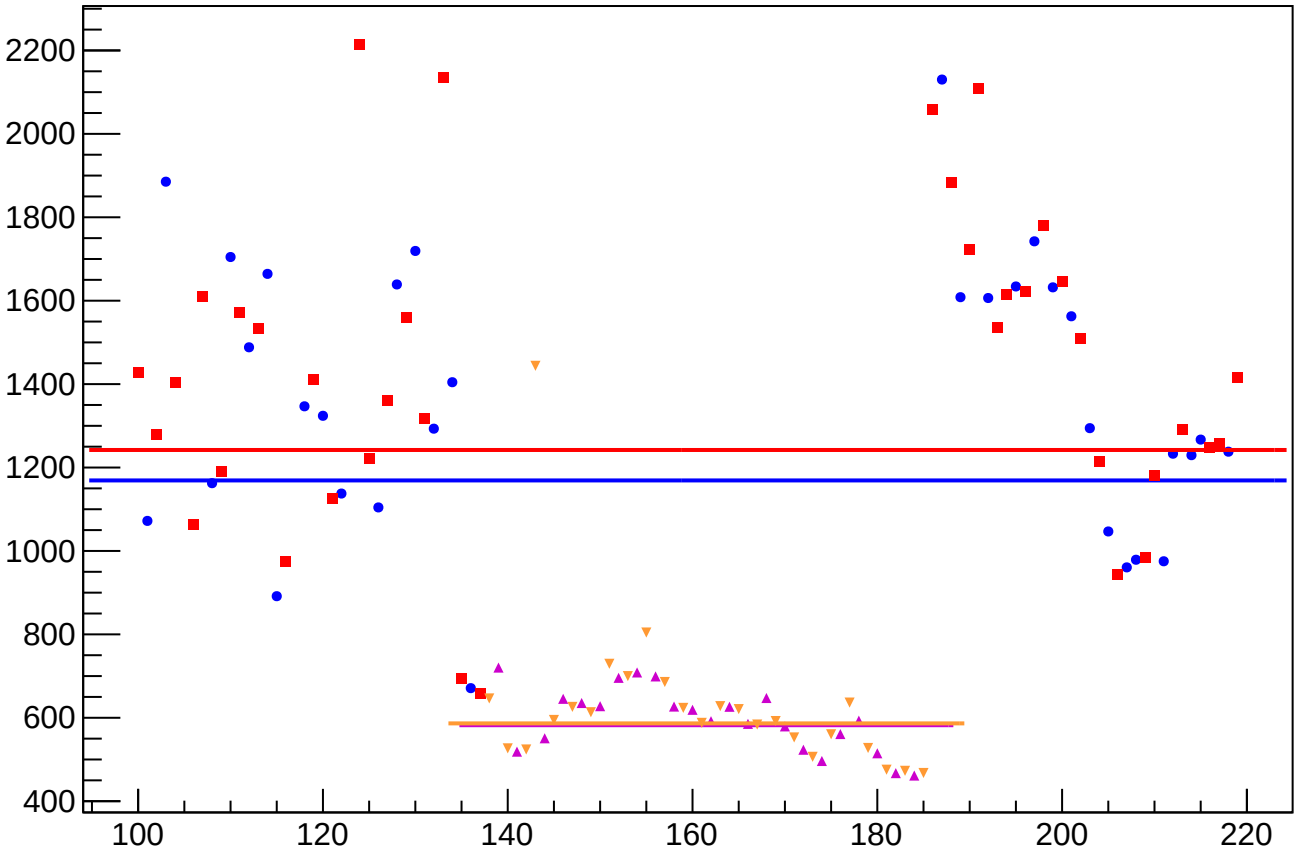
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 142.319+/-194.231 χ^2/NDF: 140.7/68

In: 194.152+/-122.389 χ^2/NDF:88.7/54

Out: 180.938+/-122.089 χ^2/NDF:151.7/61

All: 187.529+/-86.436 χ^2/NDF: 240.4/116



Right In: 1169.074+/-0.191 χ^2/NDF: 2713343.1/31

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1242.083+/-0.197 χ^2/NDF: 2764689.4/36

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

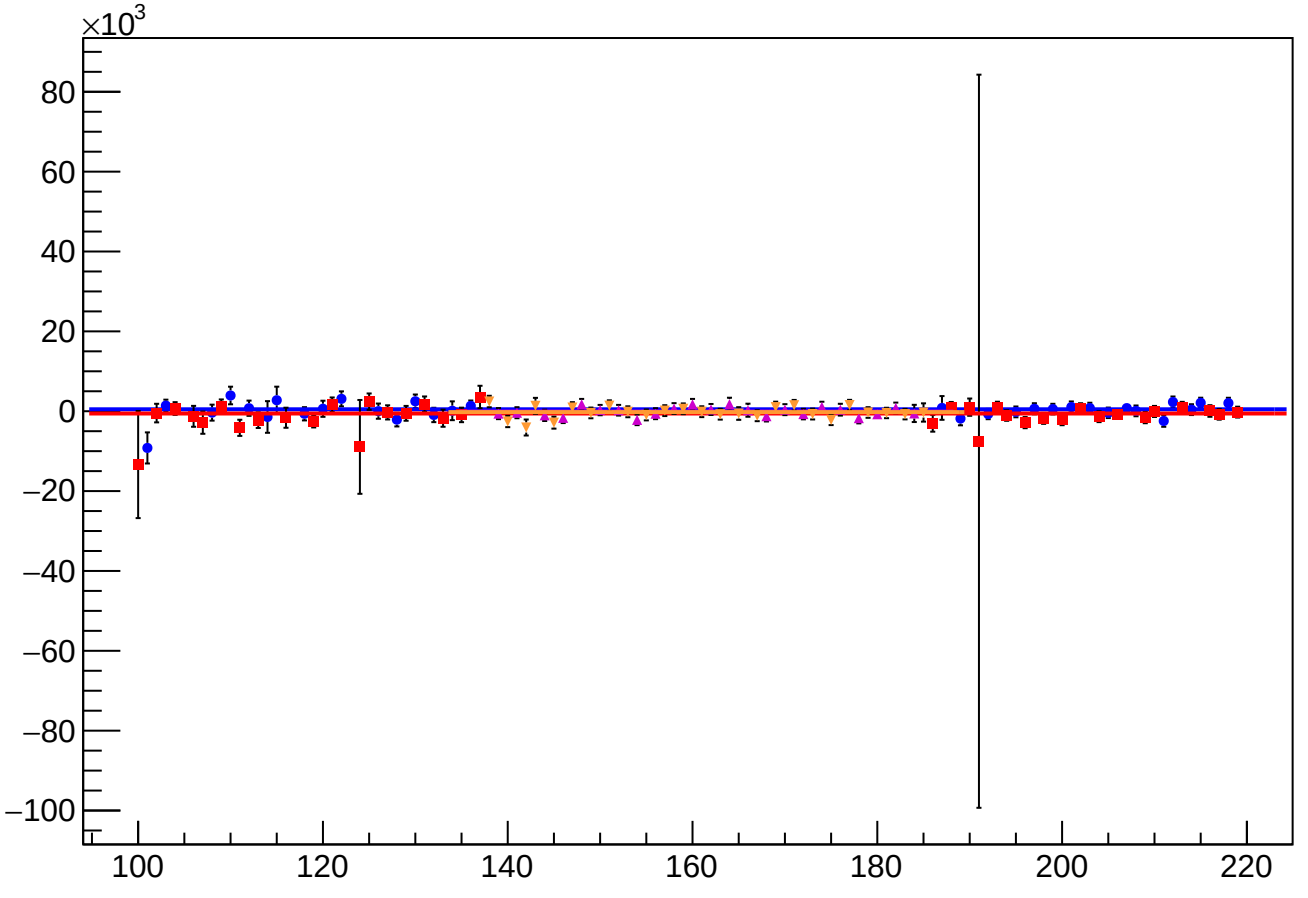
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1204.384+/-0.137 χ^2/NDF: 5548602.0/68

In: 702.513+/-0.087 χ^2/NDF:10768158.0/54

Out: 711.822+/-0.086 χ^2/NDF:12880018.2/61

All: 707.179+/-0.061 χ^2/NDF: 23653975.6/11



Right In: 483.499+/-282.483 χ^2/NDF: 29.6/31

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -569.969+/-277.768 χ^2/NDF: 29.8/36

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

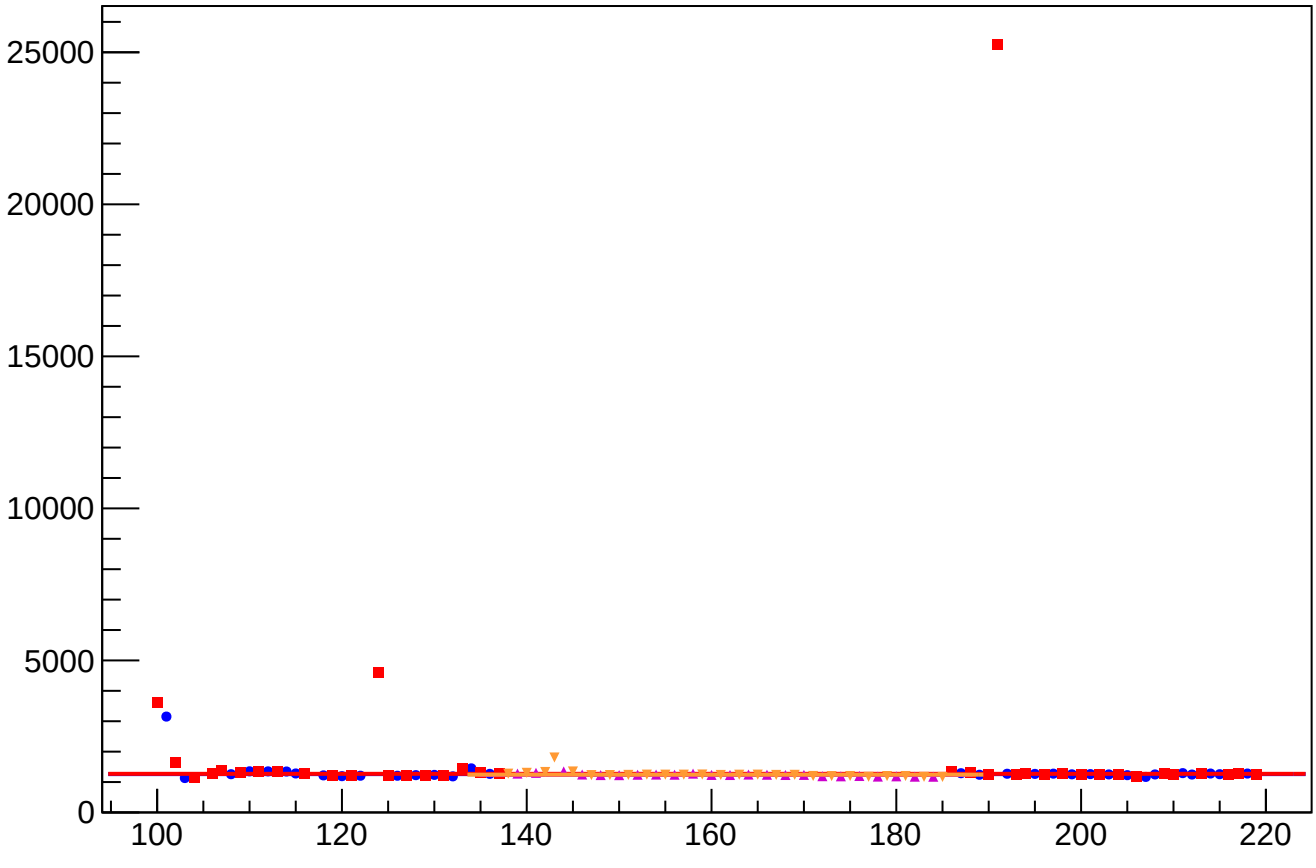
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -52.100+/-198.058 χ^2/NDF: 66.4/68

In: 201.300+/-201.742 χ^2/NDF:46.3/54

Out: -398.654+/-198.254 χ^2/NDF:54.5/61

All: -103.908+/-141.404 χ^2/NDF: 105.3/116



Right In: 1260.790+/-0.200 χ^2/NDF: 536065.5/31

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

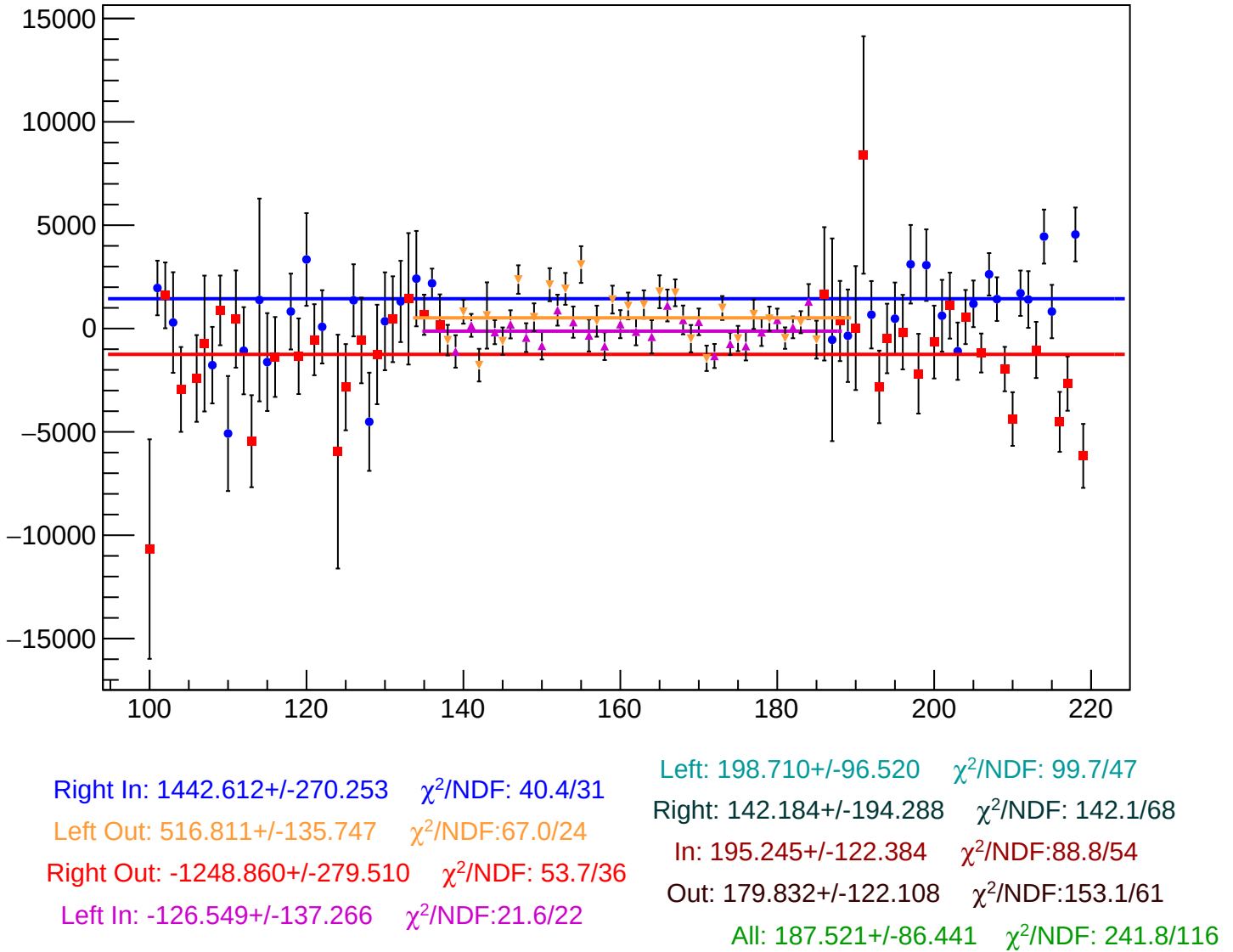
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

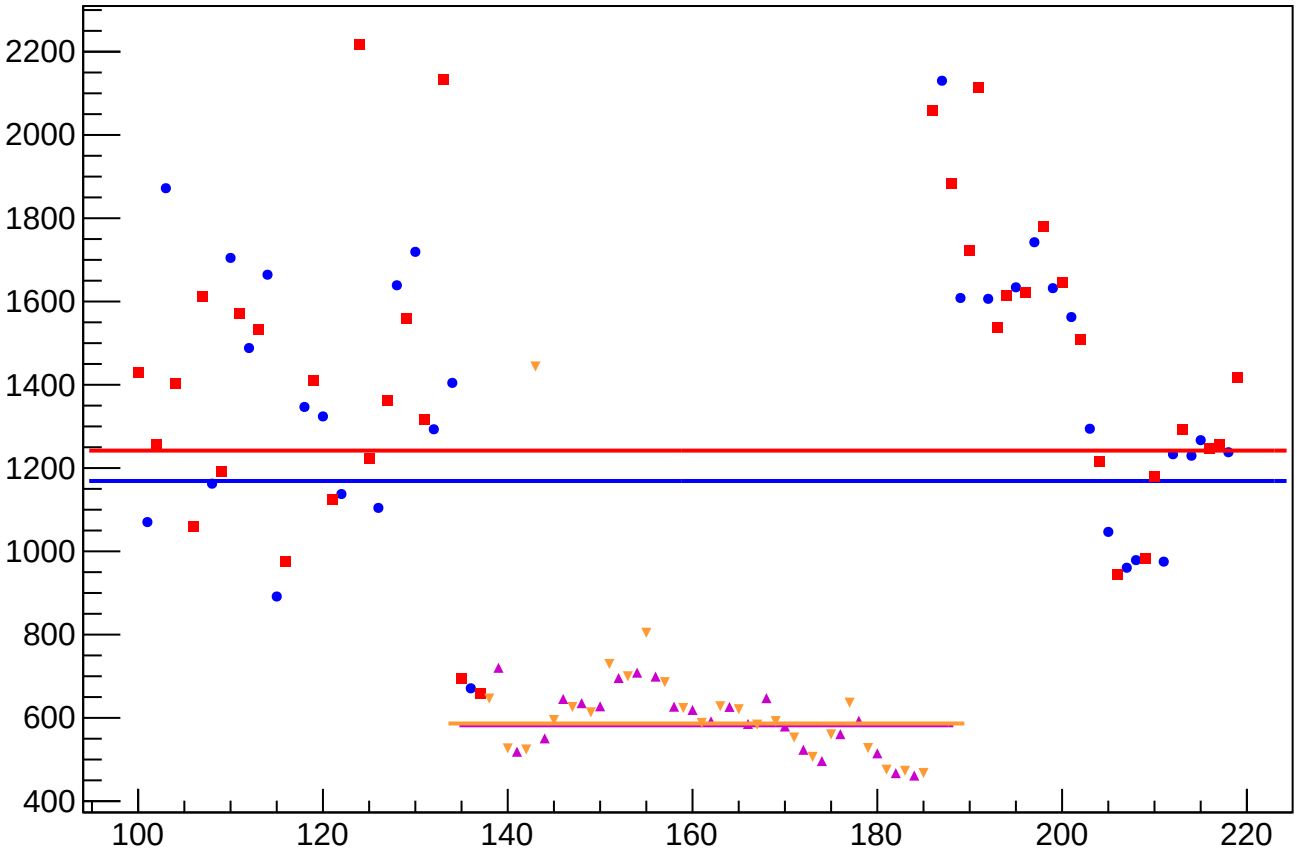
Right: 1265.621+/-0.140 χ^2/NDF: 1032008.2/68

In: 1247.543+/-0.143 χ^2/NDF:584324.1/54

Out: 1256.818+/-0.140 χ^2/NDF:707685.7/61

All: 1252.261+/-0.100 χ^2/NDF: 1294160.5/11


asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1442.612+/-270.253 χ²/NDF: 40.4/31
Left Out: 516.811+/-135.747 χ²/NDF:67.0/24
Right Out: -1248.860+/-279.510 χ²/NDF: 53.7/36
Left In: -126.549+/-137.266 χ²/NDF:21.6/22
Left: 198.710+/-96.520 χ²/NDF: 99.7/47
Right: 142.184+/-194.288 χ²/NDF: 142.1/68
In: 195.245+/-122.384 χ²/NDF:88.8/54
Out: 179.832+/-122.108 χ²/NDF:153.1/61
All: 187.521+/-86.441 χ²/NDF: 241.8/116



Right In: 1168.967+/-0.191 χ^2/NDF: 2710292.2/31

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

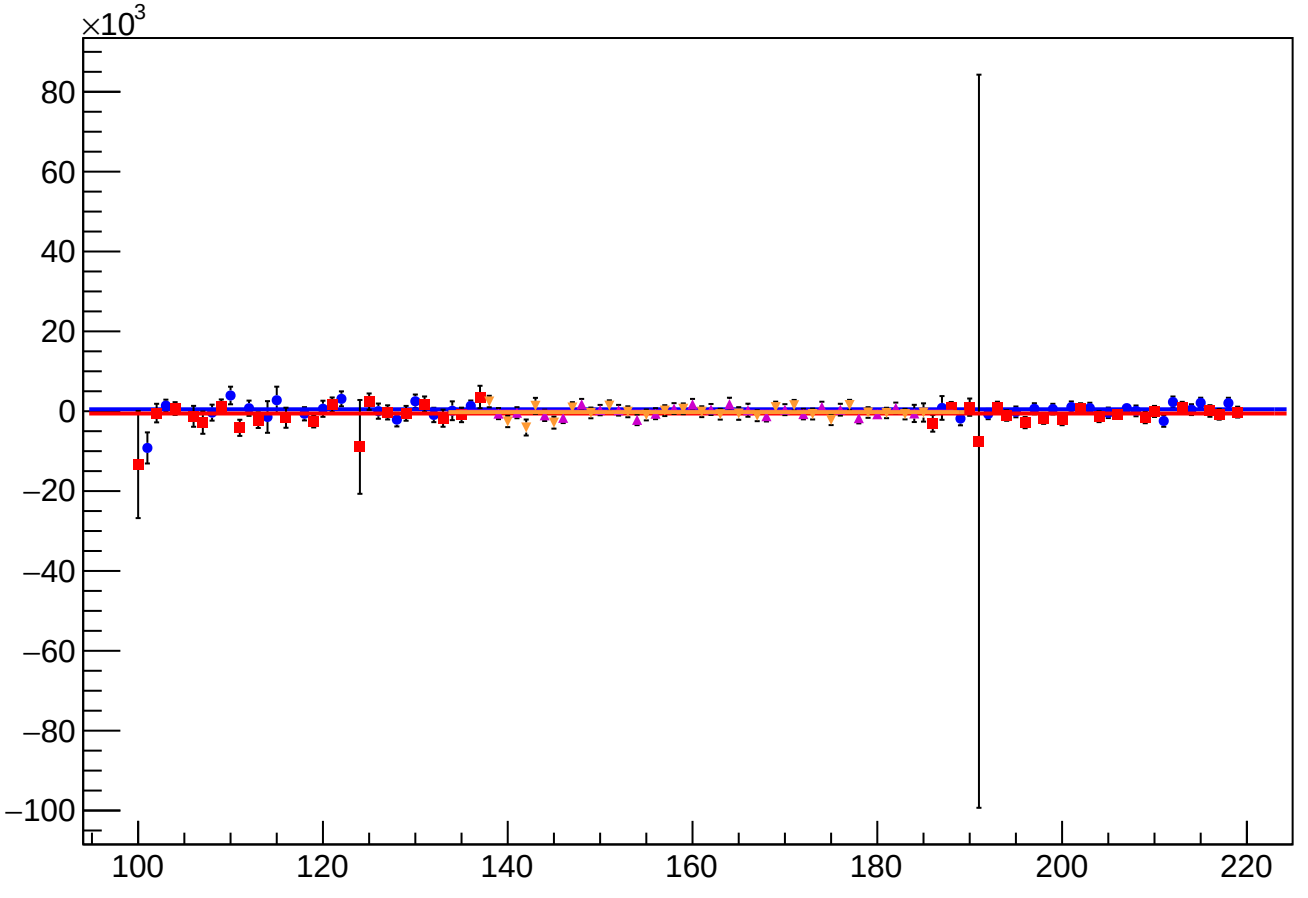
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1204.235+/-0.137 χ^2/NDF: 5542882.4/68

In: 702.522+/-0.087 χ^2/NDF:10764419.9/54

Out: 711.645+/-0.086 χ^2/NDF:12862539.7/61

All: 707.094+/-0.061 χ^2/NDF: 23632529.6/11



Right In: 483.499+/-282.483 χ^2/NDF: 29.6/31

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -569.969+/-277.768 χ^2/NDF: 29.8/36

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

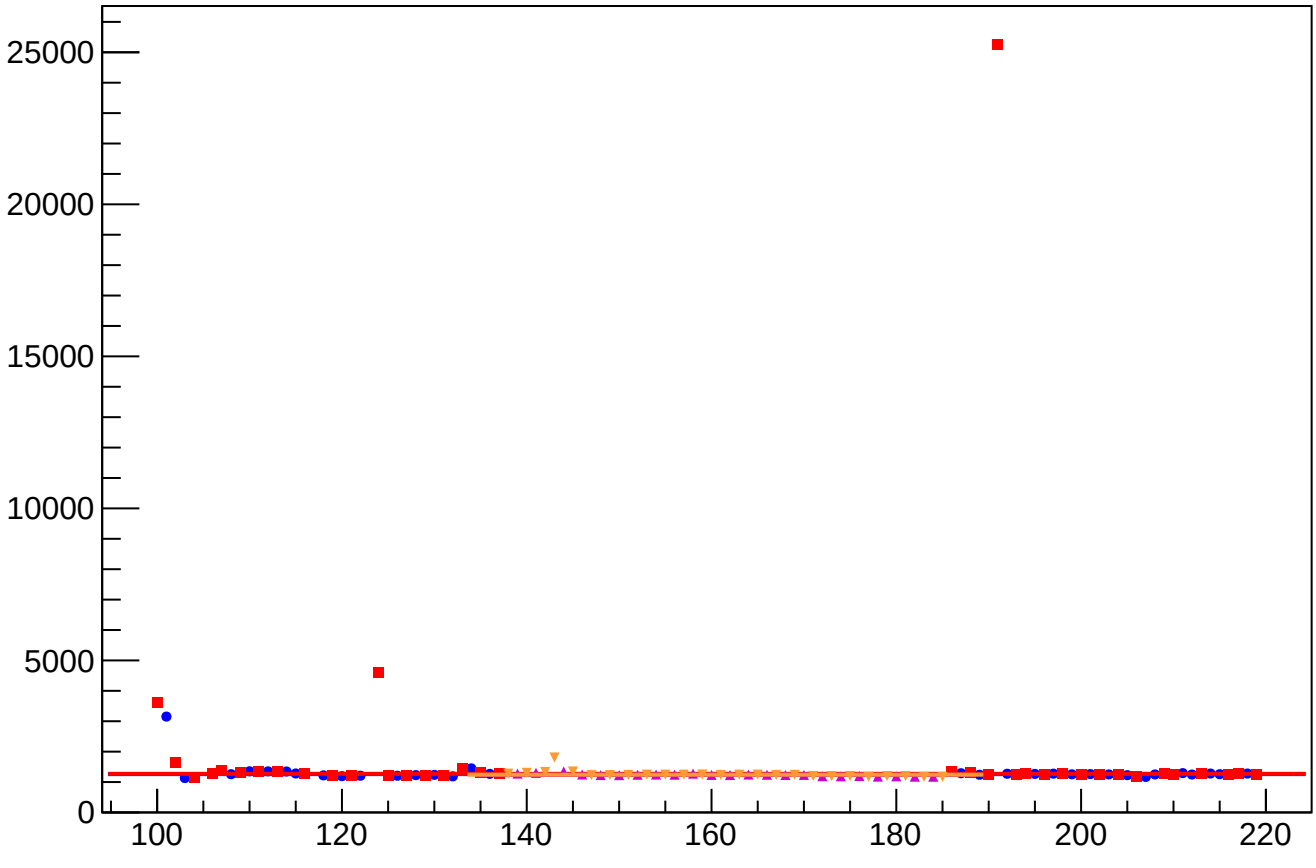
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -52.100+/-198.058 χ^2/NDF: 66.4/68

In: 201.300+/-201.742 χ^2/NDF:46.3/54

Out: -398.654+/-198.254 χ^2/NDF:54.5/61

All: -103.908+/-141.404 χ^2/NDF: 105.3/116



Right In: 1260.790+/-0.200 χ^2/NDF: 536065.5/31

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

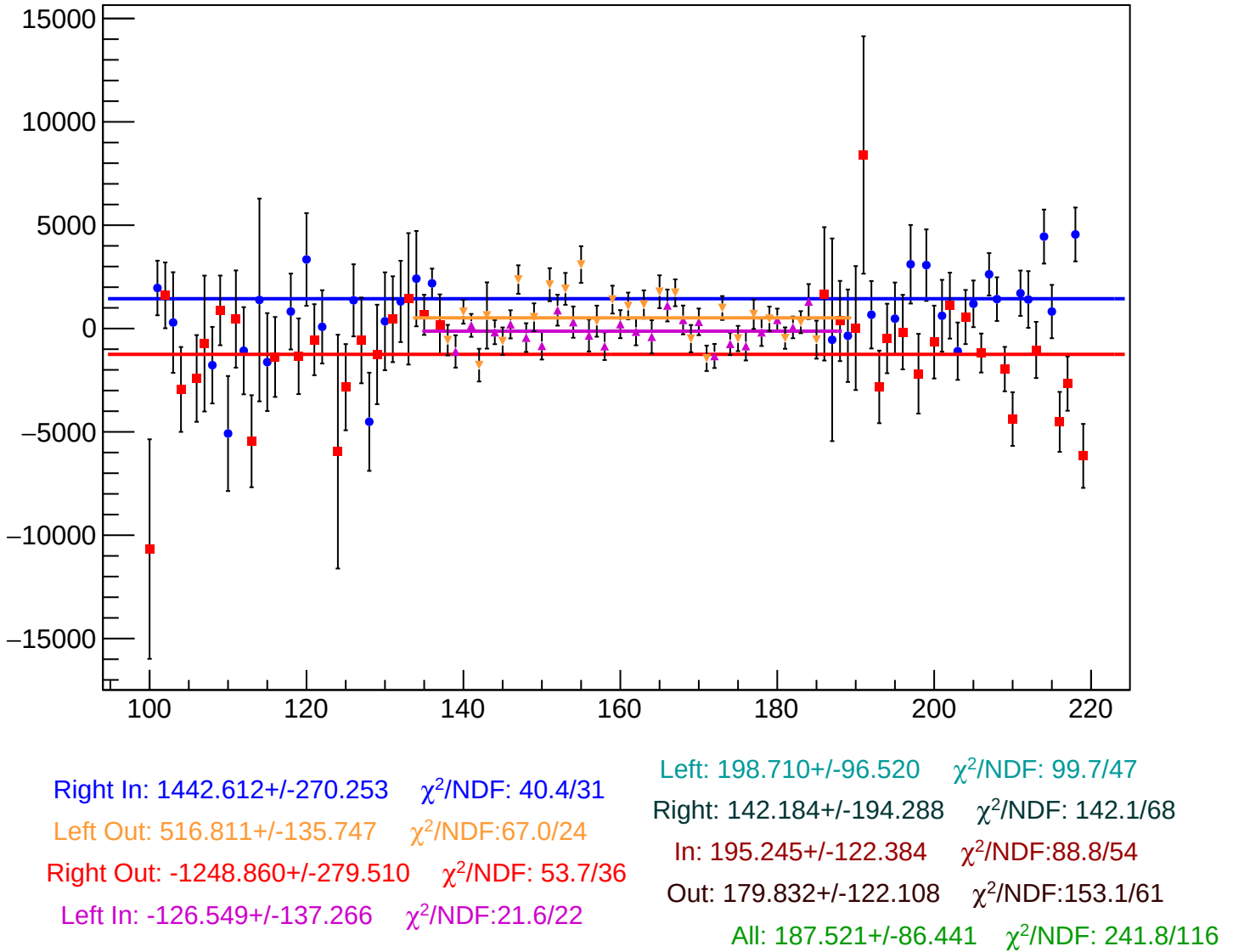
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

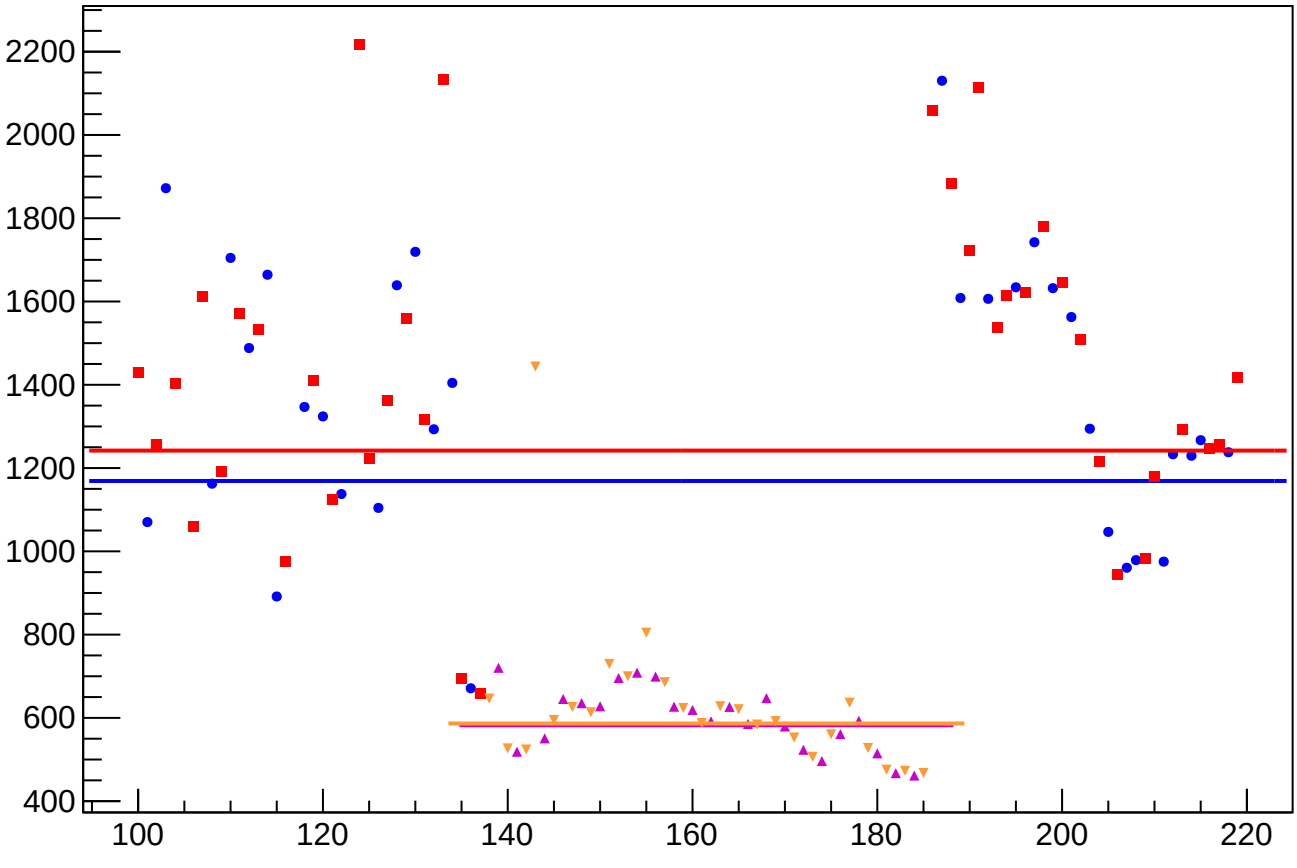
Right: 1265.621+/-0.140 χ^2/NDF: 1032008.2/68

In: 1247.543+/-0.143 χ^2/NDF:584324.1/54

Out: 1256.818+/-0.140 χ^2/NDF:707685.7/61

All: 1252.261+/-0.100 χ^2/NDF: 1294160.5/11


asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1442.612+/-270.253 χ²/NDF: 40.4/31
Left Out: 516.811+/-135.747 χ²/NDF:67.0/24
Right Out: -1248.860+/-279.510 χ²/NDF: 53.7/36
Left In: -126.549+/-137.266 χ²/NDF:21.6/22
Left: 198.710+/-96.520 χ²/NDF: 99.7/47
Right: 142.184+/-194.288 χ²/NDF: 142.1/68
In: 195.245+/-122.384 χ²/NDF:88.8/54
Out: 179.832+/-122.108 χ²/NDF:153.1/61
All: 187.521+/-86.441 χ²/NDF: 241.8/116



Right In: 1168.967+/-0.191 χ^2/NDF: 2710292.2/31

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

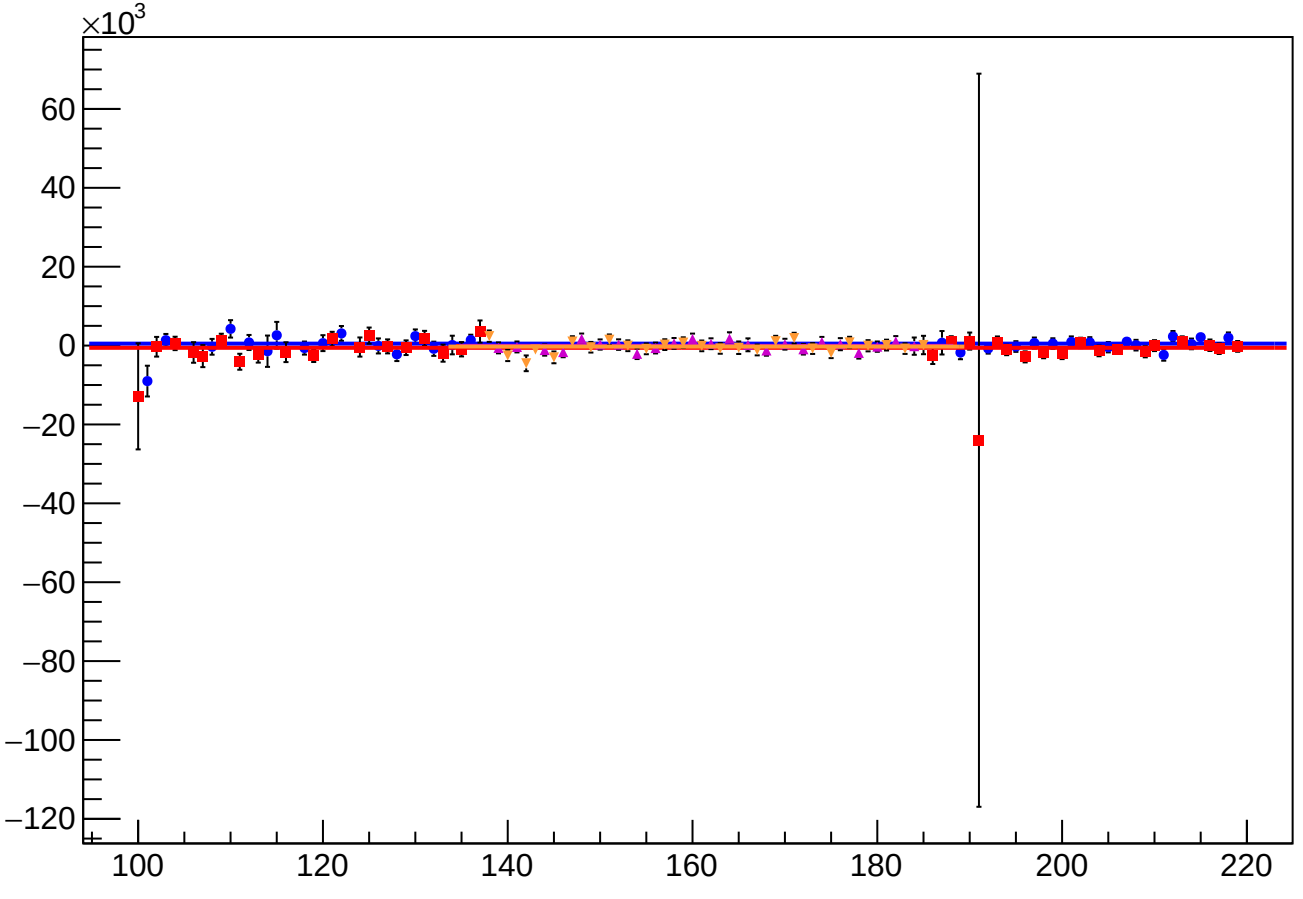
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1204.235+/-0.137 χ^2/NDF: 5542882.4/68

In: 702.522+/-0.087 χ^2/NDF:10764419.9/54

Out: 711.645+/-0.086 χ^2/NDF:12862539.7/61

All: 707.094+/-0.061 χ^2/NDF: 23632529.6/11



Right In: 490.221+/-283.287 χ^2/NDF: 29.5/31

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -567.132+/-277.217 χ^2/NDF: 29.3/36

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

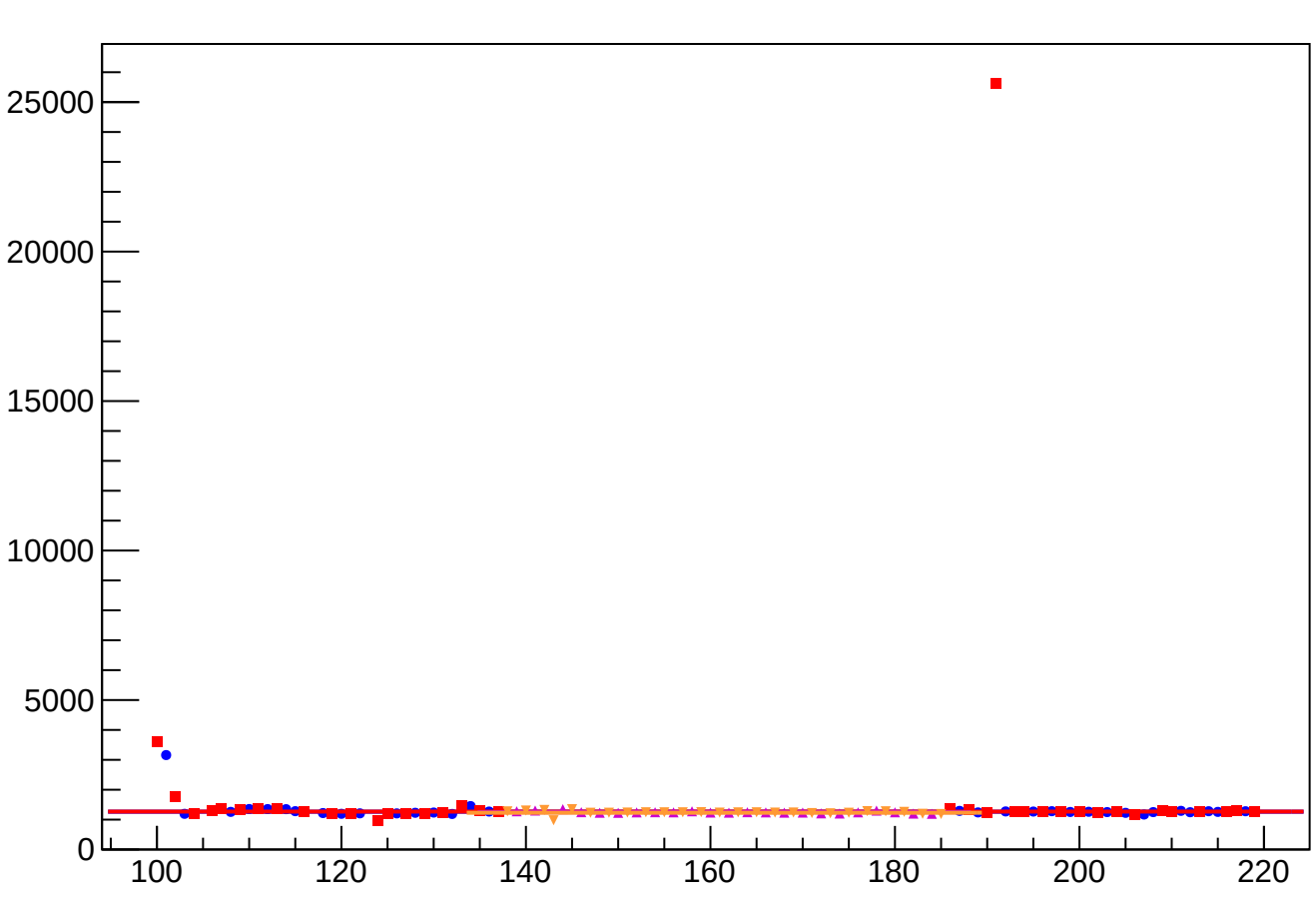
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -49.905+/-198.133 χ^2/NDF: 65.9/68

In: 215.702+/-203.142 χ^2/NDF:45.4/54

Out: -410.527+/-196.972 χ^2/NDF:54.0/61

All: -107.067+/-141.411 χ^2/NDF: 104.3/116



Right In: 1264.529+/-0.200 χ^2/NDF: 525746.9/31

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1269.128+/-0.196 χ^2/NDF: 385981.7/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

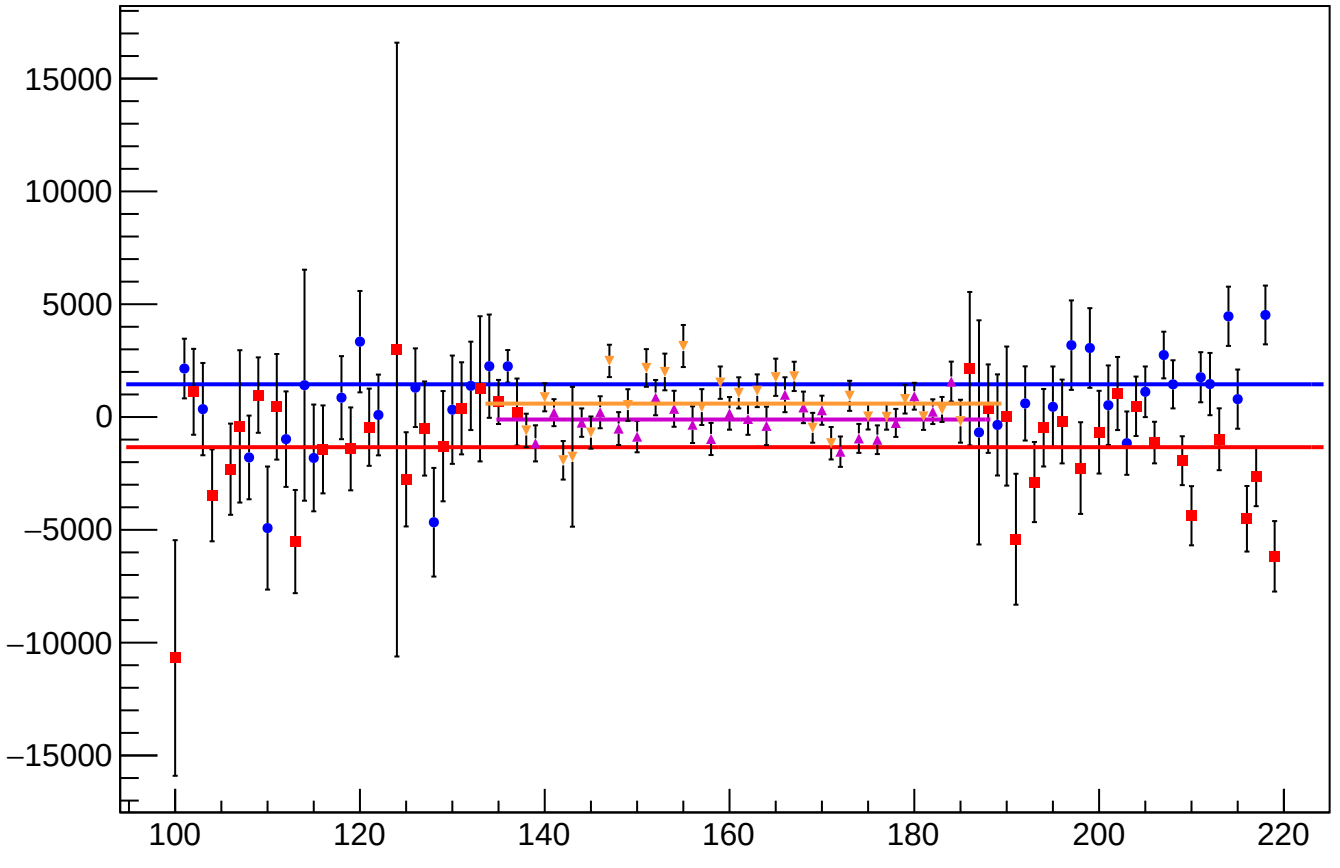
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1266.878+/-0.140 χ^2/NDF: 911997.8/68

In: 1256.395+/-0.144 χ^2/NDF:556481.8/54

Out: 1249.747+/-0.139 χ^2/NDF:547331.4/61

All: 1252.969+/-0.100 χ^2/NDF: 1104917.3/11



Right In: 1451.023+/-271.650 χ^2/NDF: 41.3/31

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -1336.522+/-281.612 χ^2/NDF: 50.7/36

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

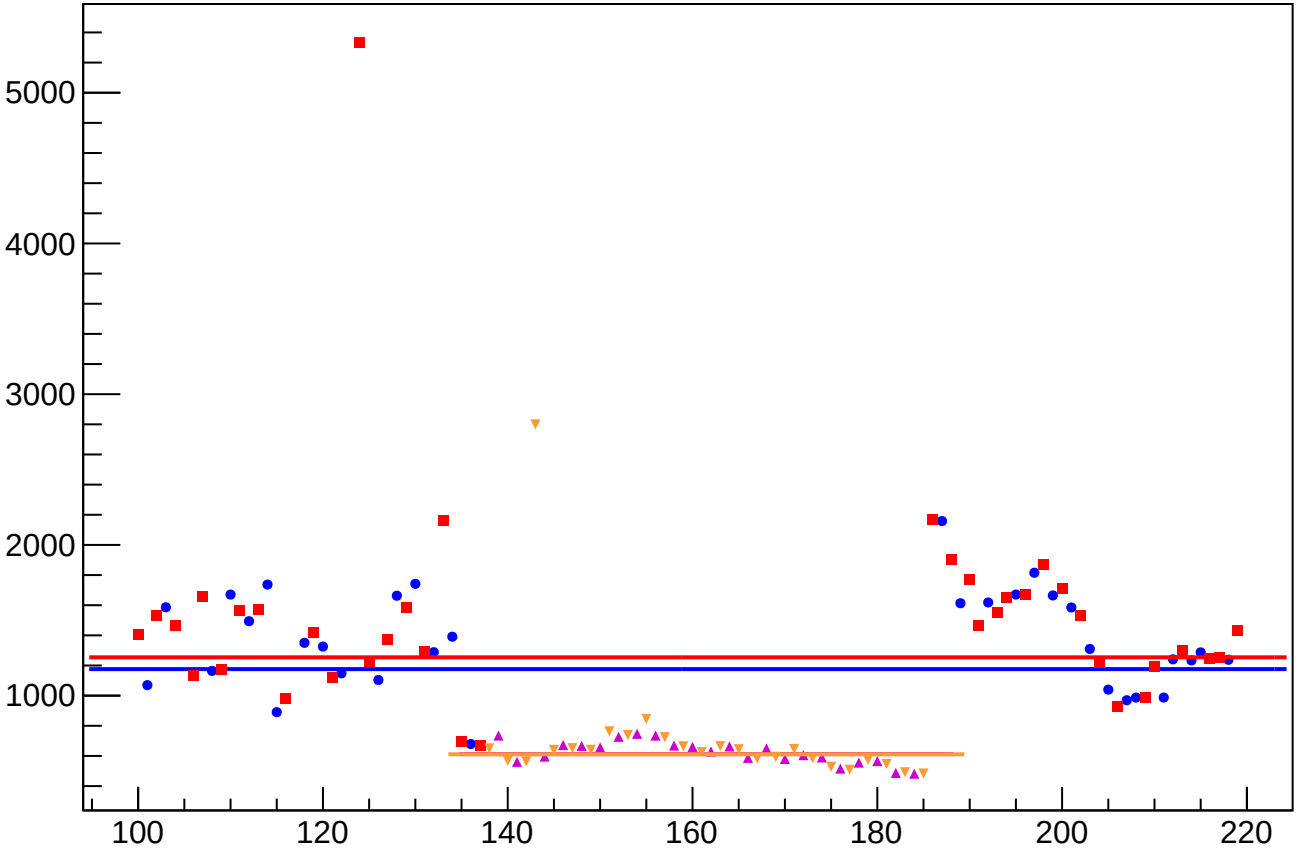
Right: 107.424+/-195.512 χ^2/NDF: 142.7/68

In: 233.091+/-127.390 χ^2/NDF:92.8/54

Out: 202.875+/-126.886 χ^2/NDF:145.5/61

All: 217.923+/-89.899 χ^2/NDF: 238.3/116

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1176.017+/-0.192 χ^2/NDF: 2650740.6/31

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1254.351+/-0.199 χ^2/NDF: 3056764.1/36

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

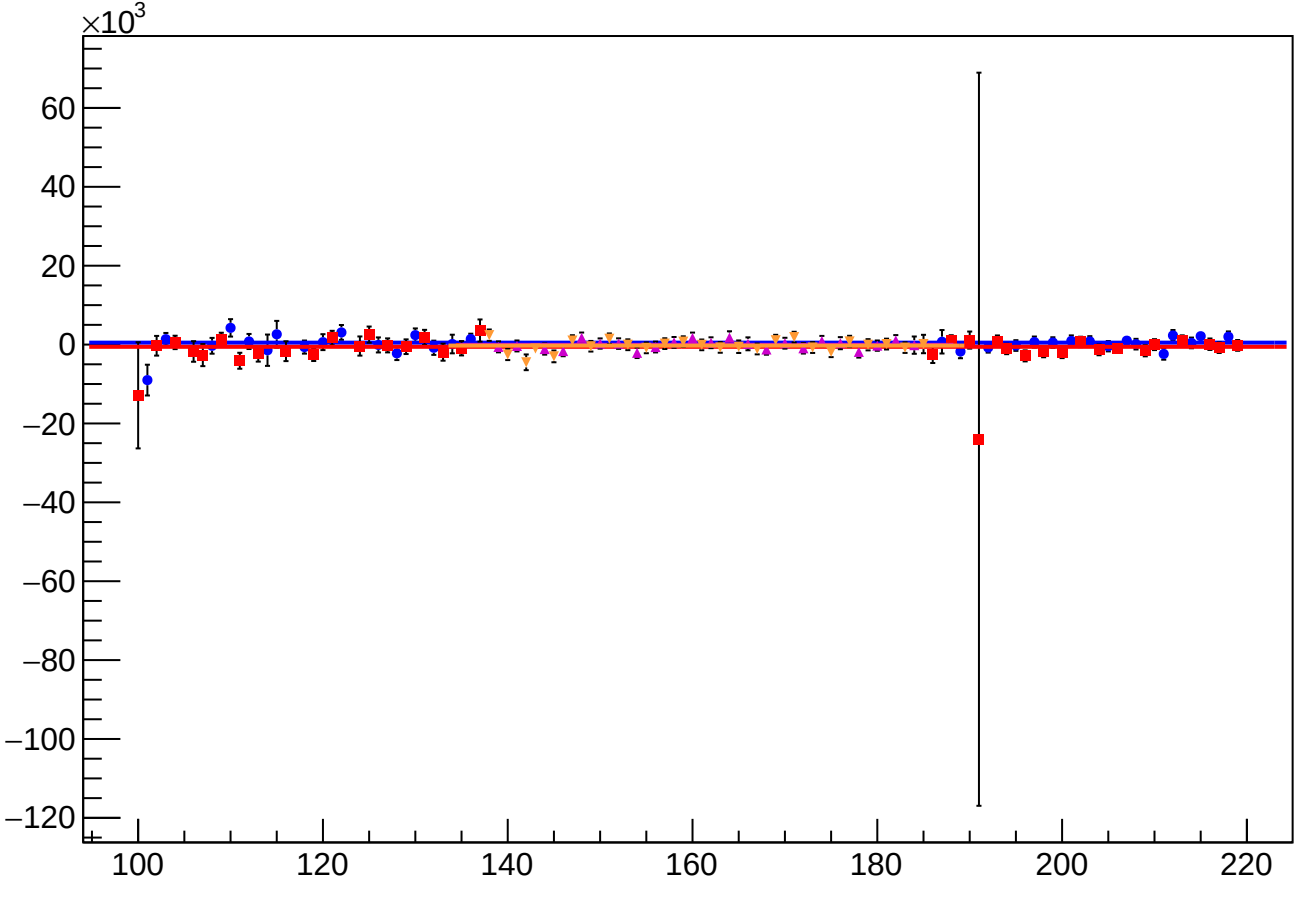
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1213.774+/-0.138 χ^2/NDF: 5787664.7/68

In: 736.345+/-0.090 χ^2/NDF:9875536.5/54

Out: 741.678+/-0.090 χ^2/NDF:12992940.7/61

All: 739.022+/-0.064 χ^2/NDF: 22870236.5/1



Right In: 490.217+/-283.287 χ^2/NDF: 29.5/31

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -567.130+/-277.217 χ^2/NDF: 29.3/36

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

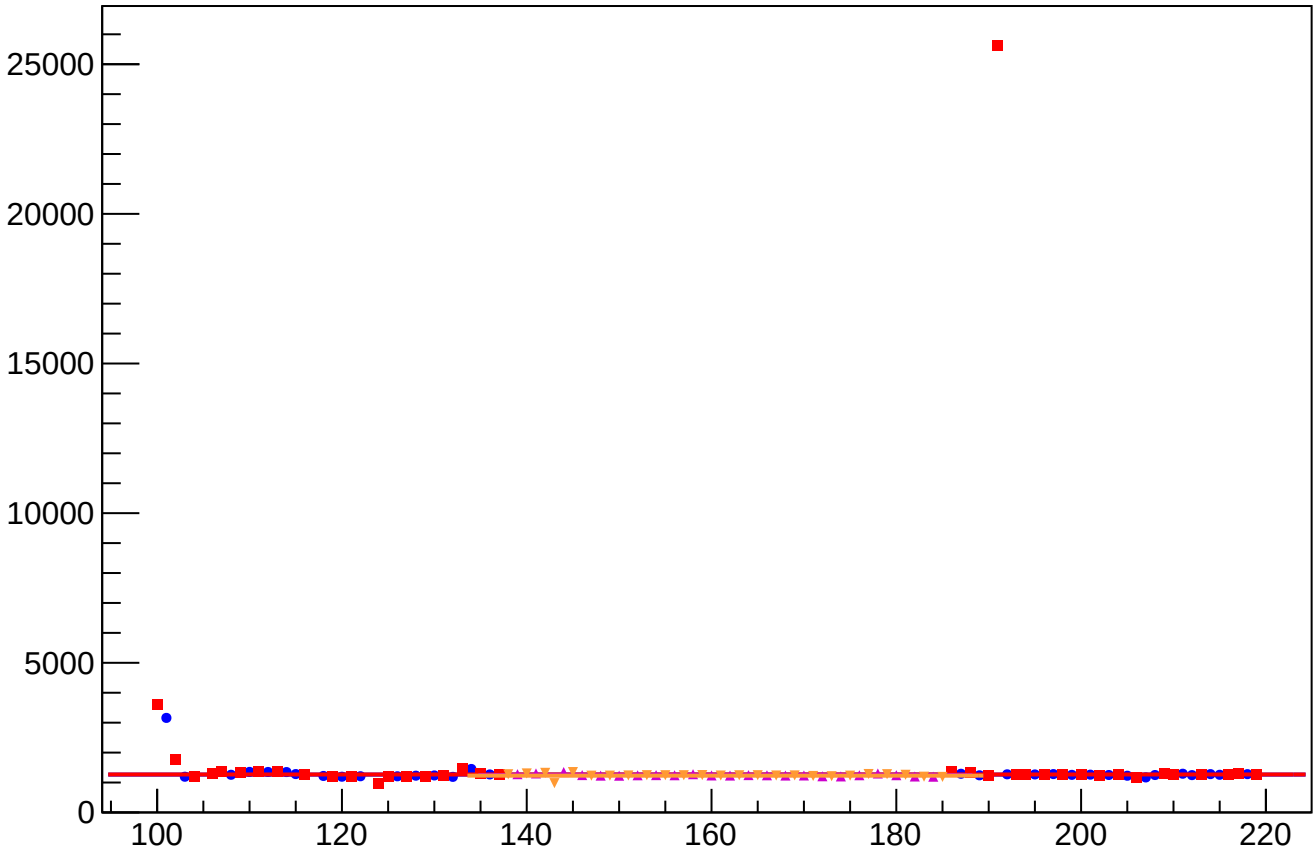
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -49.906+/-198.133 χ^2/NDF: 65.9/68

In: 215.700+/-203.142 χ^2/NDF:45.4/54

Out: -410.526+/-196.972 χ^2/NDF:54.0/61

All: -107.067+/-141.411 χ^2/NDF: 104.3/116



Right In: 1264.529+/-0.200 χ^2/NDF: 525747.0/31

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1269.128+/-0.196 χ^2/NDF: 385981.5/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

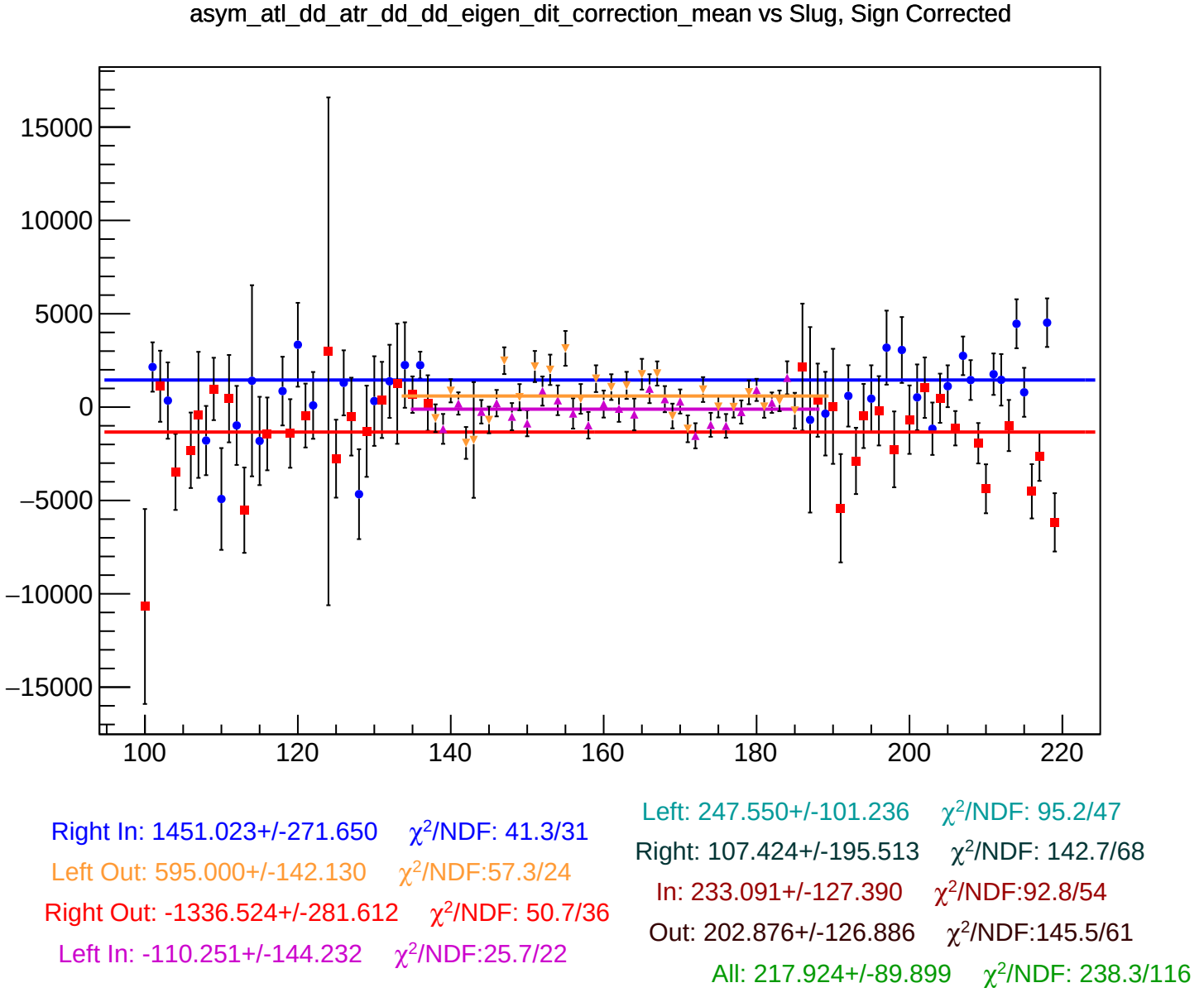
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

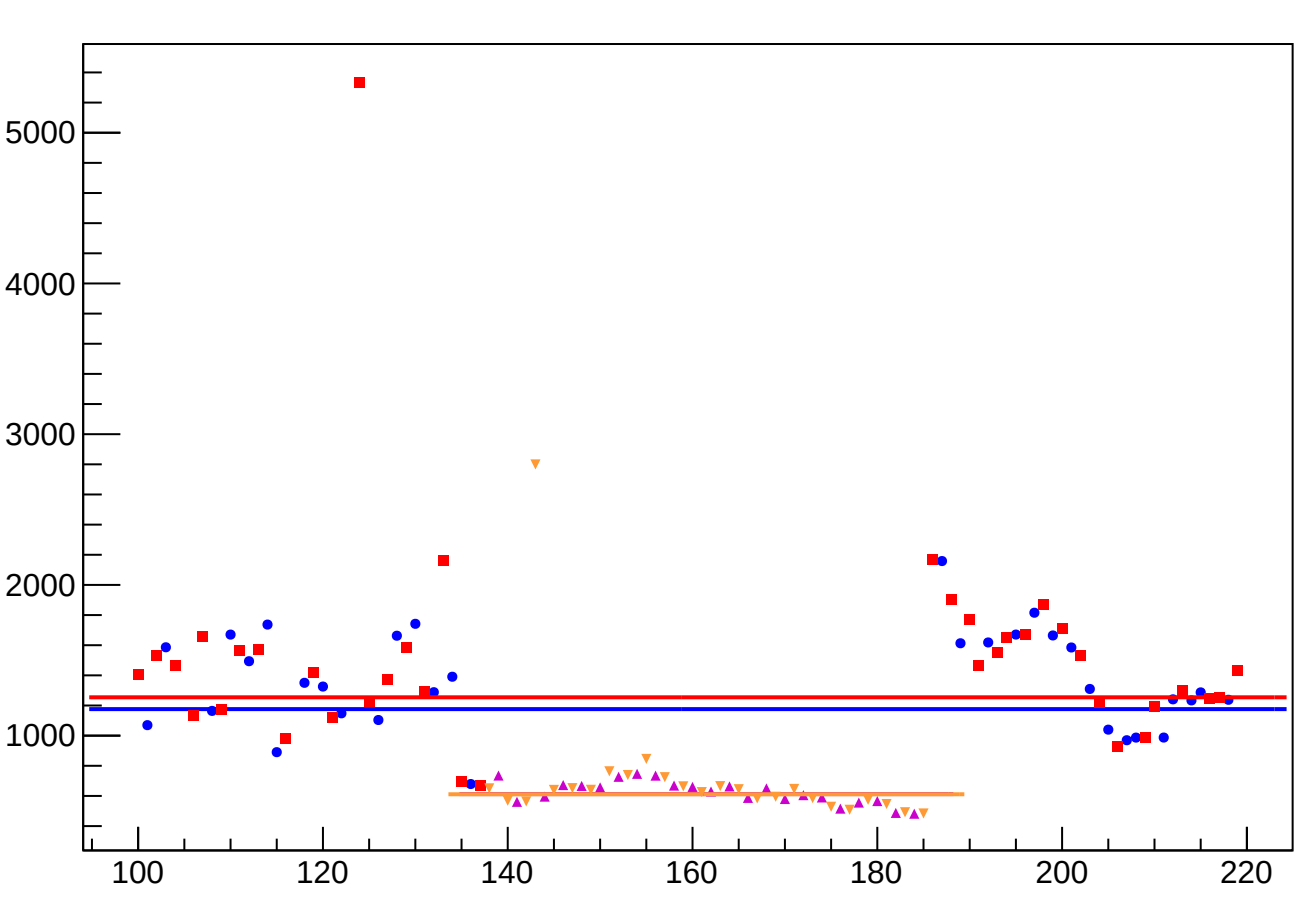
Right: 1266.878+/-0.140 χ^2/NDF: 911997.7/68

In: 1256.395+/-0.144 χ^2/NDF:556481.9/54

Out: 1249.747+/-0.139 χ^2/NDF:547330.3/61

All: 1252.968+/-0.100 χ^2/NDF: 1104916.2/11


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1451.023+/-271.650 χ²/NDF: 41.3/31
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -1336.524+/-281.612 χ²/NDF: 50.7/36
Left In: -110.251+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 107.424+/-195.513 χ²/NDF: 142.7/68
In: 233.091+/-127.390 χ²/NDF:92.8/54
Out: 202.876+/-126.886 χ²/NDF:145.5/61
All: 217.924+/-89.899 χ²/NDF: 238.3/116



Right In: 1176.018+/-0.192 χ^2/NDF: 2650679.5/31

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1254.353+/-0.199 χ^2/NDF: 3056703.2/36

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

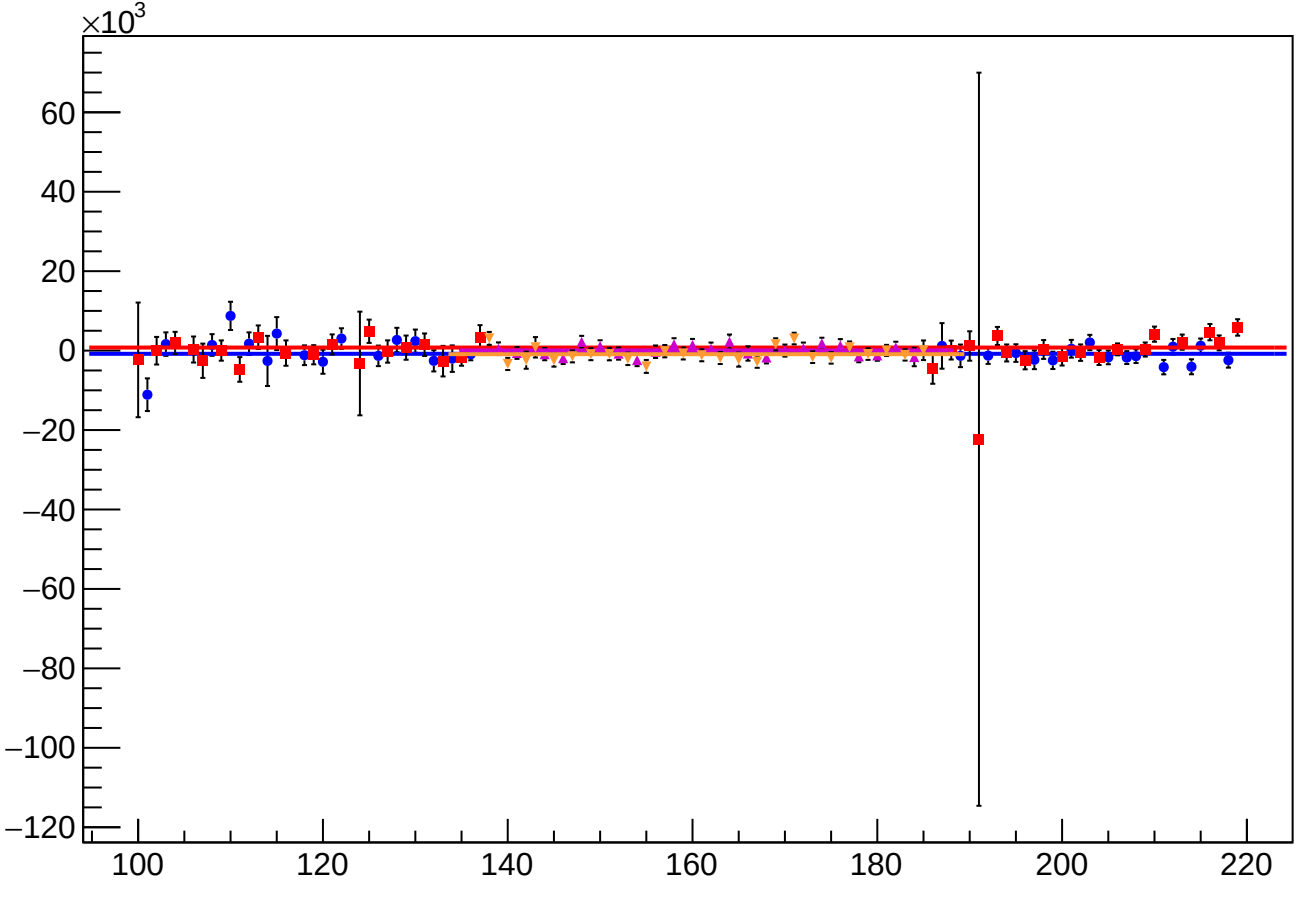
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1213.775+/-0.138 χ^2/NDF: 5787546.1/68

In: 736.345+/-0.090 χ^2/NDF:9875515.3/54

Out: 741.678+/-0.090 χ^2/NDF:12992931.5/61

All: 739.022+/-0.064 χ^2/NDF: 22870206.4/11



Right In: -801.980+/-409.146 χ^2/NDF: 36.5/31

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 771.194+/-411.095 χ^2/NDF: 33.8/36

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

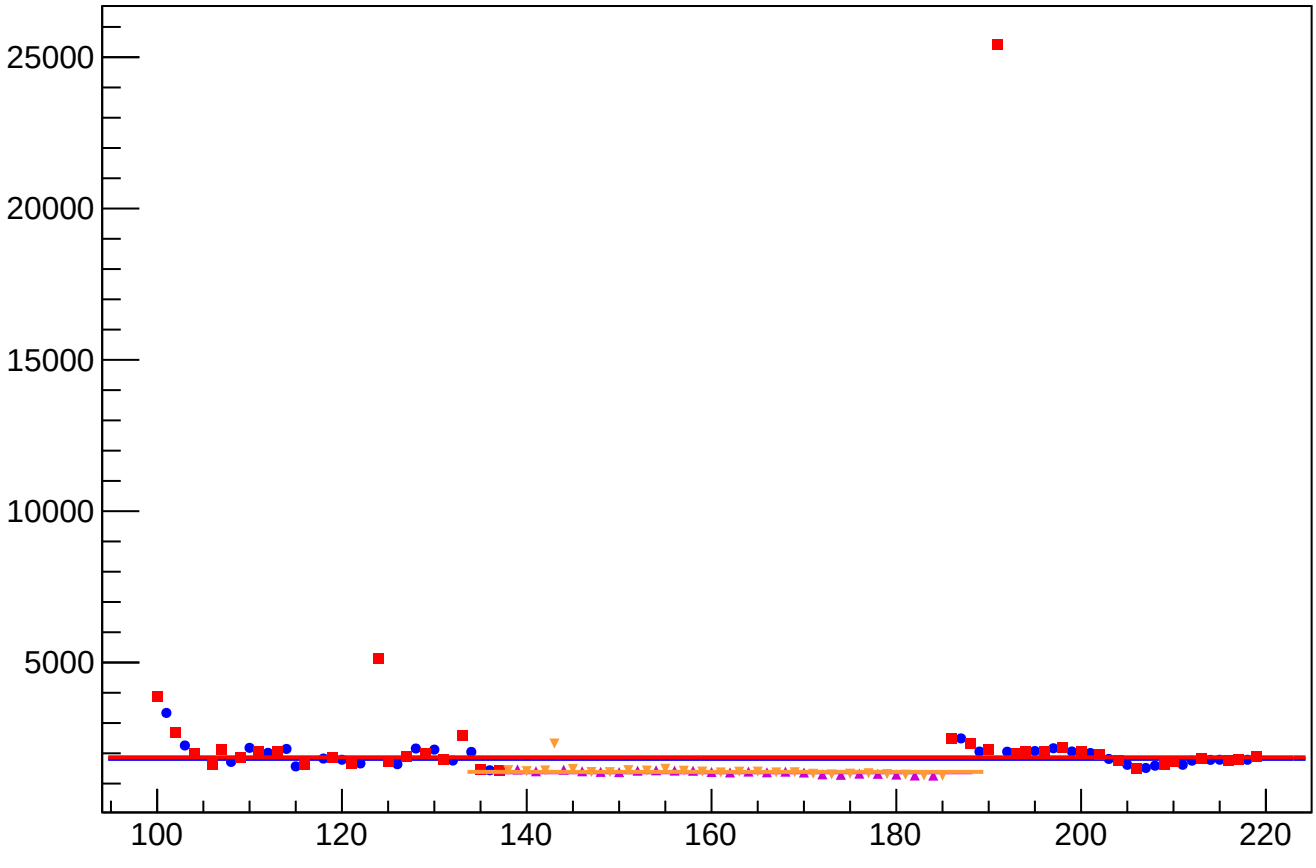
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -19.131+/-289.996 χ^2/NDF: 77.7/68

In: -275.652+/-252.515 χ^2/NDF:57.1/54

Out: -278.124+/-250.759 χ^2/NDF:74.0/61

All: -276.897+/-177.931 χ^2/NDF: 131.1/116



Right In: 1816.005+/-0.289 χ^2/NDF: 894126.1/31

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1868.082+/-0.291 χ^2/NDF: 1060084.3/36

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

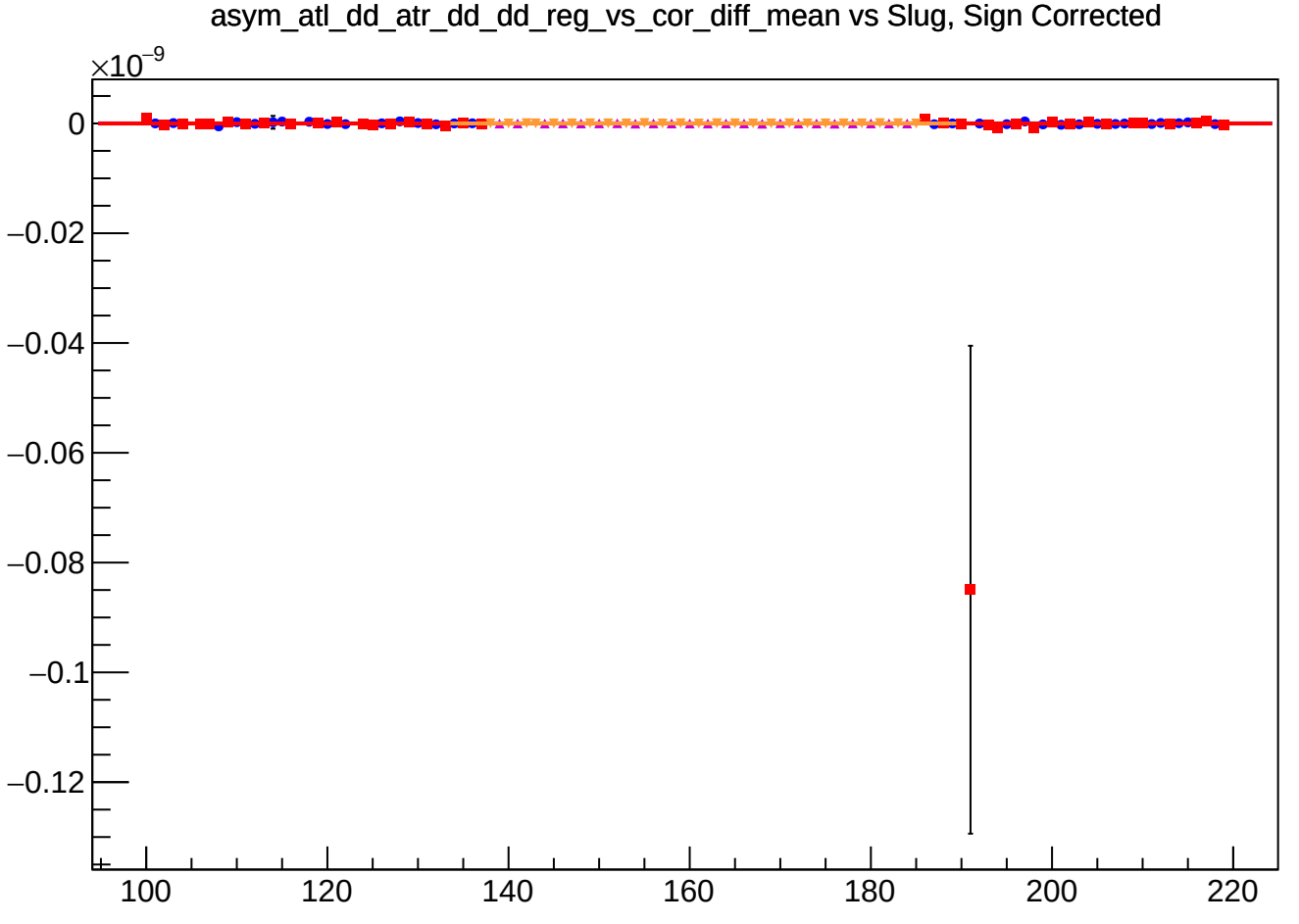
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1841.920+/-0.205 χ^2/NDF: 1970333.8/68

In: 1541.878+/-0.179 χ^2/NDF:2408779.4/54

Out: 1565.902+/-0.177 χ^2/NDF:3120850.6/61

All: 1553.974+/-0.126 χ^2/NDF: 5538744.9/11



Right In: 0.000+/-0.000 χ^2/NDF: 28.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 58.3/36

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

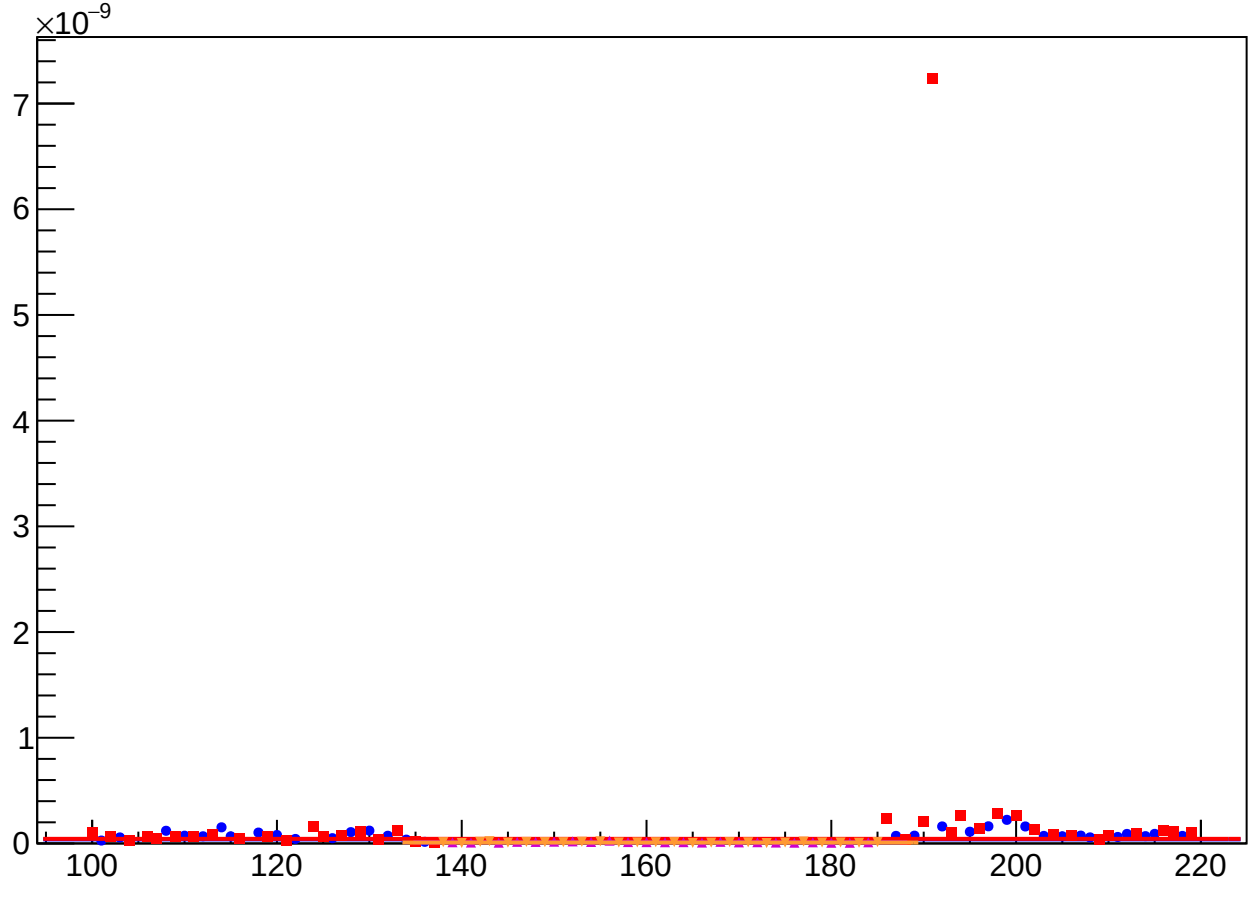
Right: -0.000+/-0.000 χ^2/NDF: 87.0/68

In: 0.000+/-0.000 χ^2/NDF:41.8/54

Out: 0.000+/-0.000 χ^2/NDF:83.5/61

All: 0.000+/-0.000 χ^2/NDF: 125.4/116

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7151204.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7896660.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

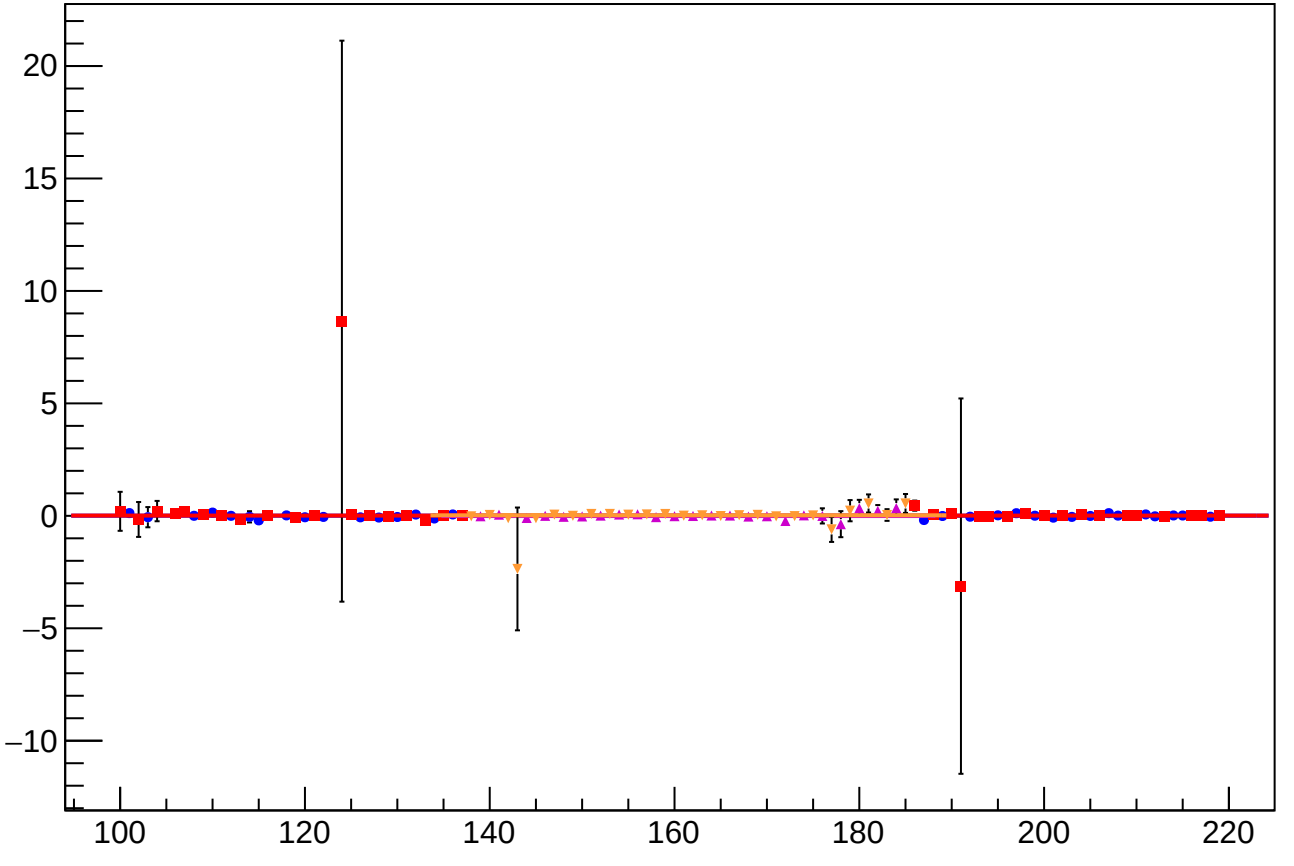
Right: 0.000+/-0.000 χ^2/NDF: 15138395.3/68

In: 0.000+/-0.000 χ^2/NDF:13651939.4/54

Out: 0.000+/-0.000 χ^2/NDF:16772039.7/61

All: 0.000+/-0.000 χ^2/NDF: 30768542.4/116

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 48.2/31

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

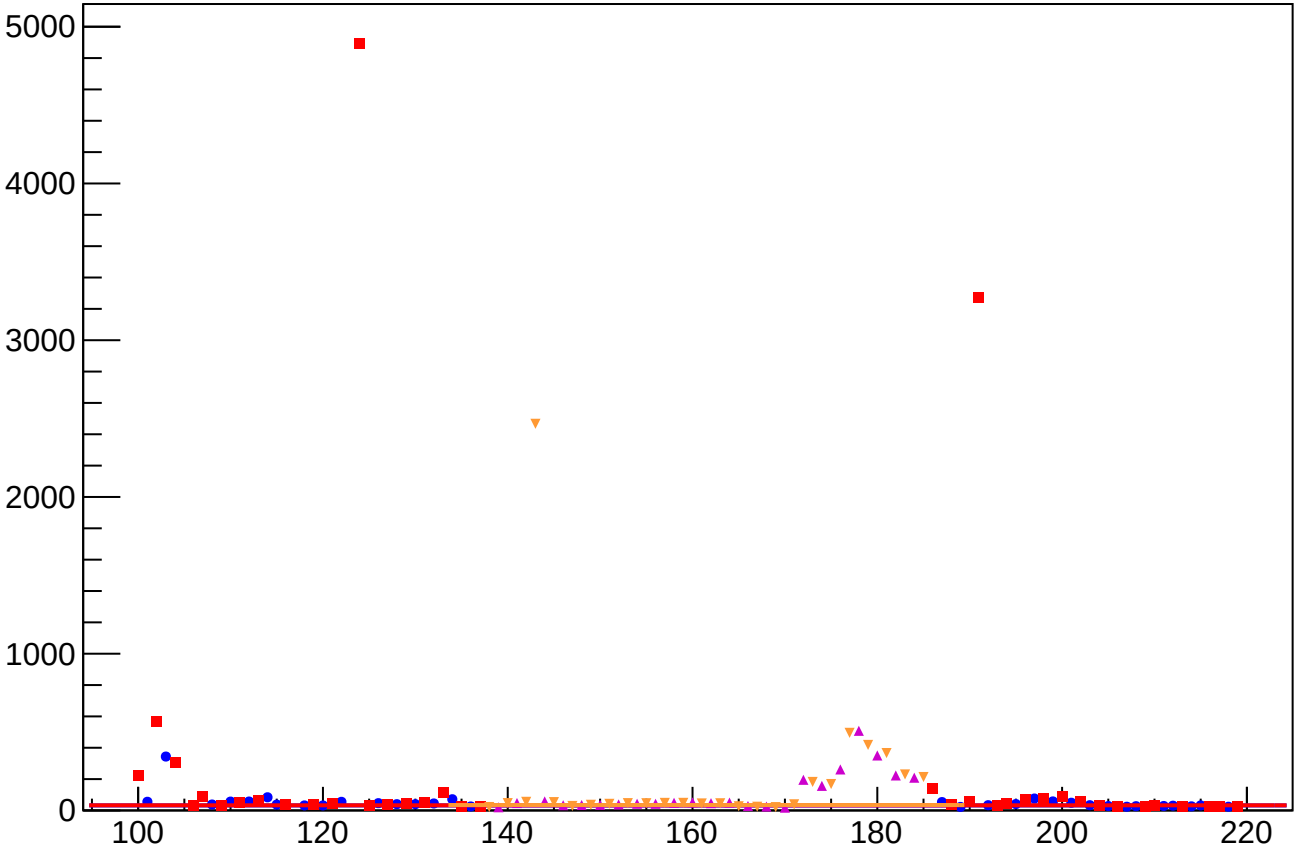
Right: 0.009+/-0.006 χ^2/NDF: 72.9/68

In: -0.000+/-0.006 χ^2/NDF:64.6/54

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.008+/-0.005 χ^2/NDF: 116.0/116

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.041+/-0.006 χ^2/NDF: 3954577.6/31

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

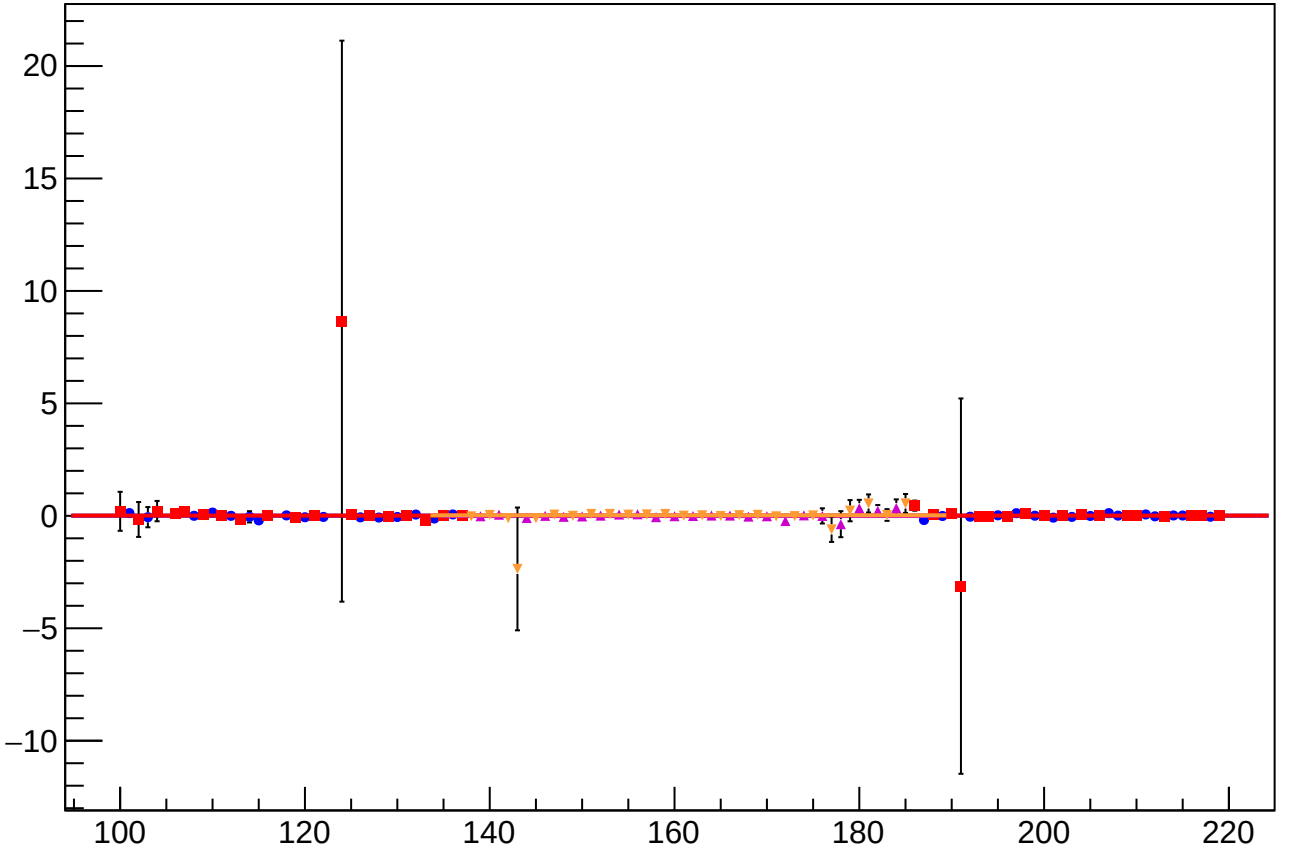
Right: 32.434+/-0.004 χ^2/NDF: 10826573.1/68

In: 32.670+/-0.004 χ^2/NDF:14051011.9/54

Out: 33.572+/-0.005 χ^2/NDF:18300819.3/61

All: 33.108+/-0.003 χ^2/NDF: 32371574.0/116

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 48.2/31

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

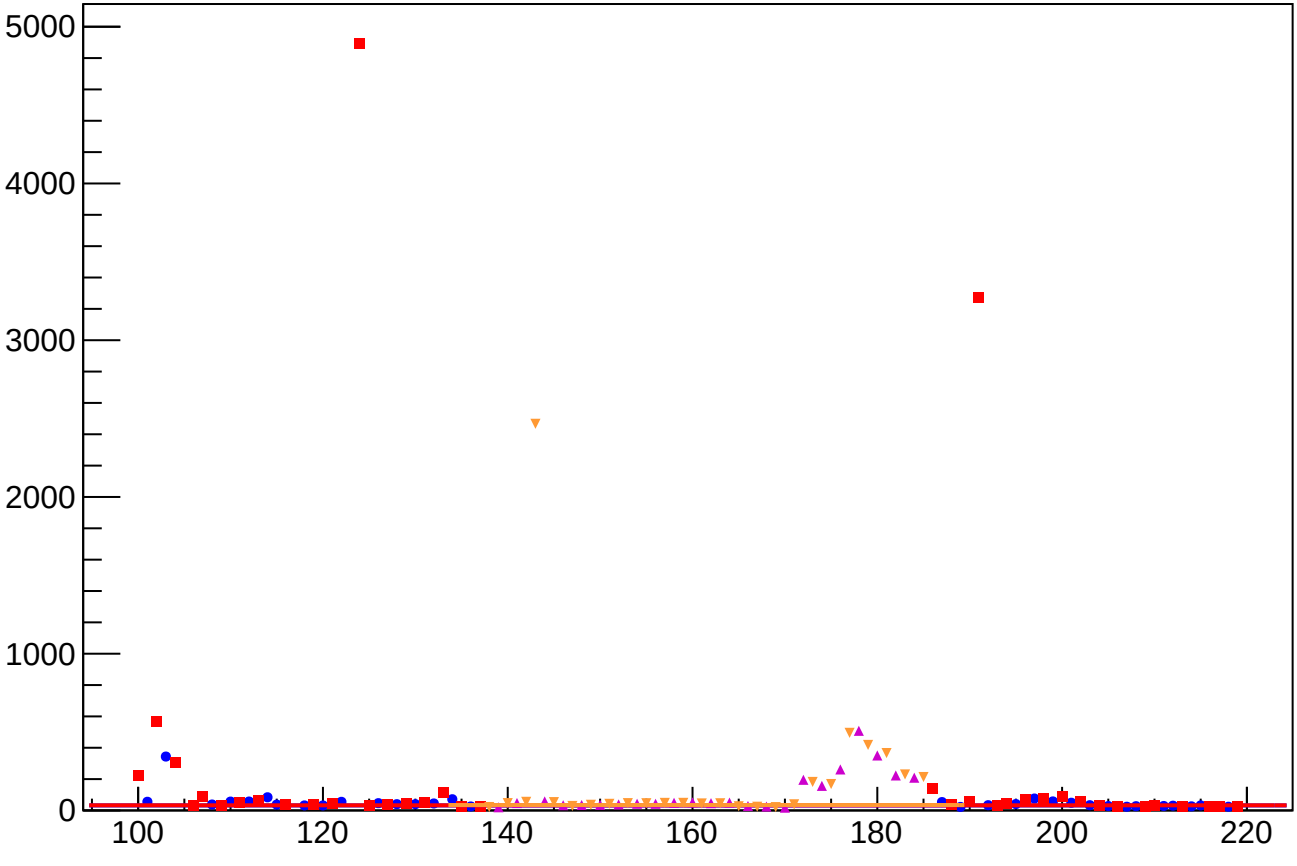
Right: 0.009+/-0.006 χ^2/NDF: 72.9/68

In: -0.000+/-0.006 χ^2/NDF:64.6/54

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.008+/-0.005 χ^2/NDF: 116.0/116

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.041+/-0.006 χ^2/NDF: 3954577.6/31

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

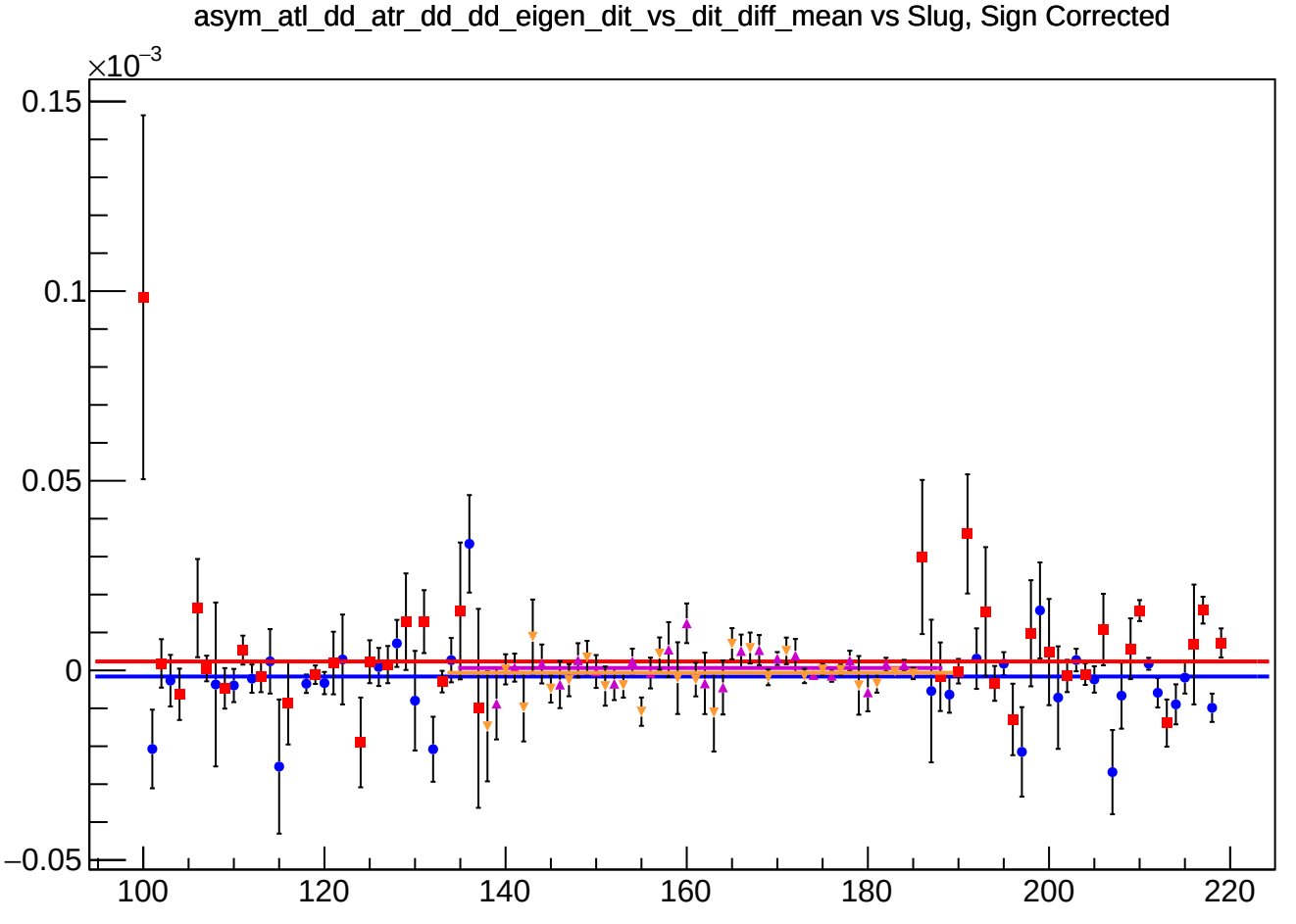
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 32.434+/-0.004 χ^2/NDF: 10826573.1/68

In: 32.670+/-0.004 χ^2/NDF:14051011.9/54

Out: 33.572+/-0.005 χ^2/NDF:18300819.3/61

All: 33.108+/-0.003 χ^2/NDF: 32371574.0/116



Right In: -0.000+/-0.000 χ^2/NDF: 50.1/31

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 85.6/36

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

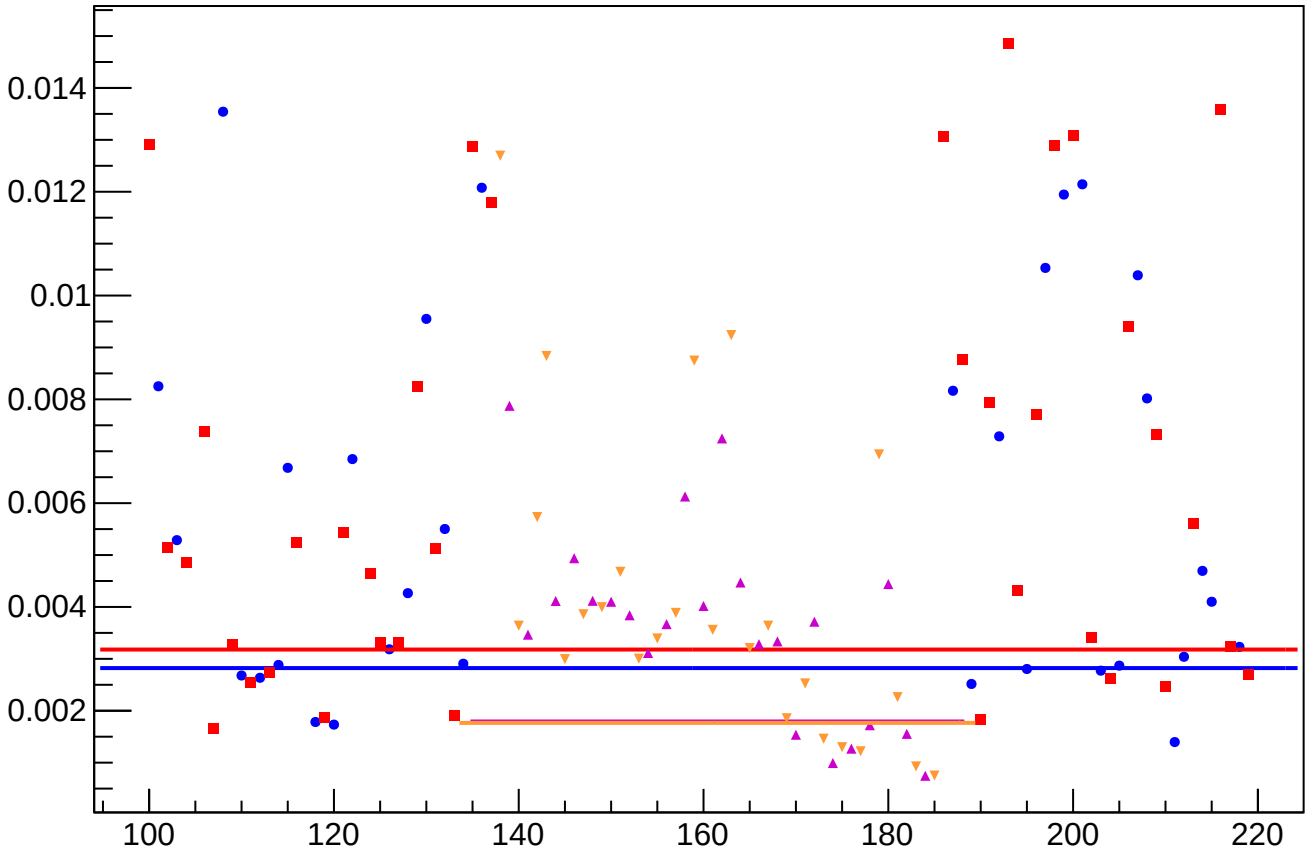
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: 0.000+/-0.000 χ^2/NDF: 147.7/68

In: -0.000+/-0.000 χ^2/NDF:77.6/54

Out: 0.000+/-0.000 χ^2/NDF:123.2/61

All: 0.000+/-0.000 χ^2/NDF: 201.0/116



Right In: 0.003+/-0.000 χ^2/NDF: 11550294.0/31

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 11631328.0/36

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

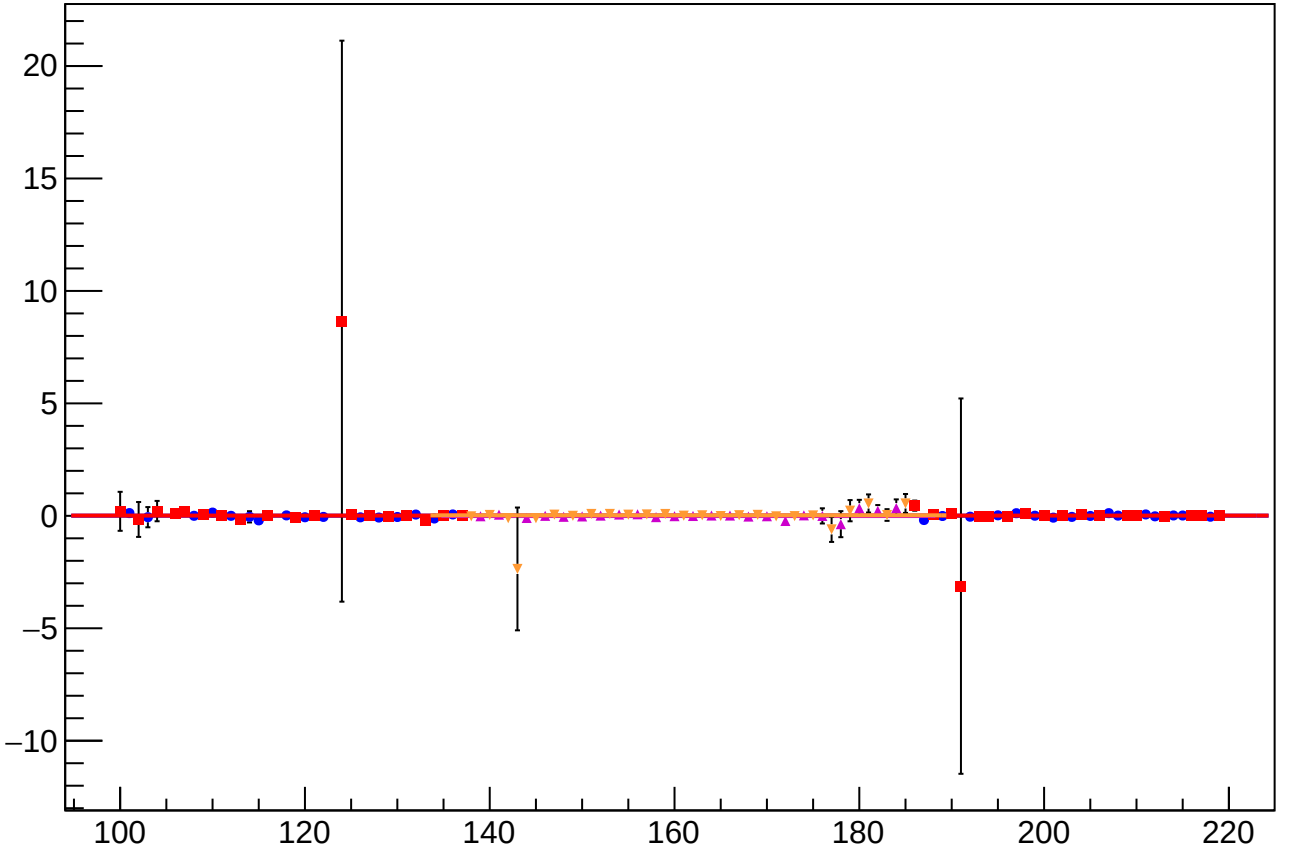
Right: 0.003+/-0.000 χ^2/NDF: 23375565.6/68

In: 0.002+/-0.000 χ^2/NDF:24639710.5/54

Out: 0.002+/-0.000 χ^2/NDF:28698438.0/61

All: 0.002+/-0.000 χ^2/NDF: 53340849.3/116

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 48.2/31

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

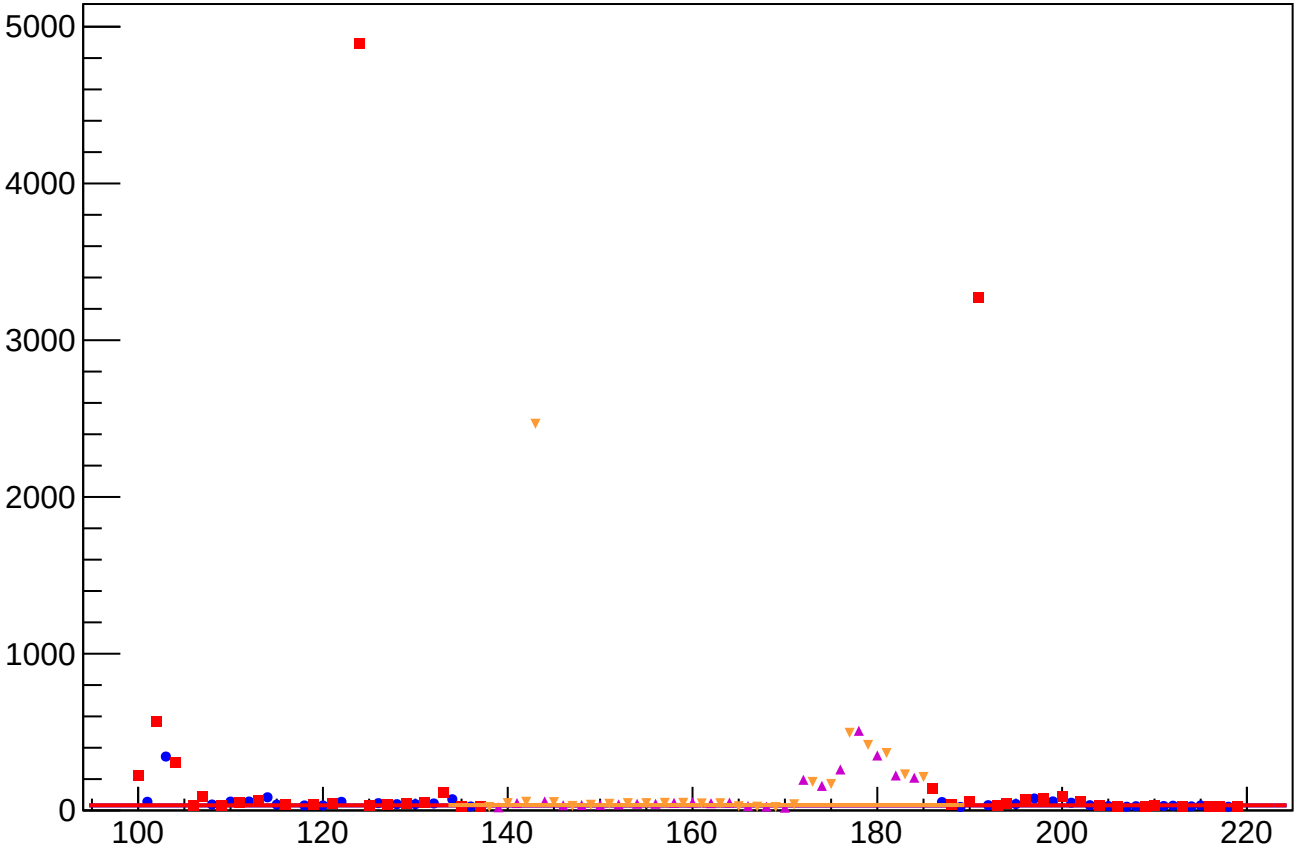
Right: 0.009+/-0.006 χ^2/NDF: 72.9/68

In: -0.000+/-0.006 χ^2/NDF:64.6/54

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.008+/-0.005 χ^2/NDF: 116.0/116

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.044+/-0.006 χ^2/NDF: 3953293.6/31

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

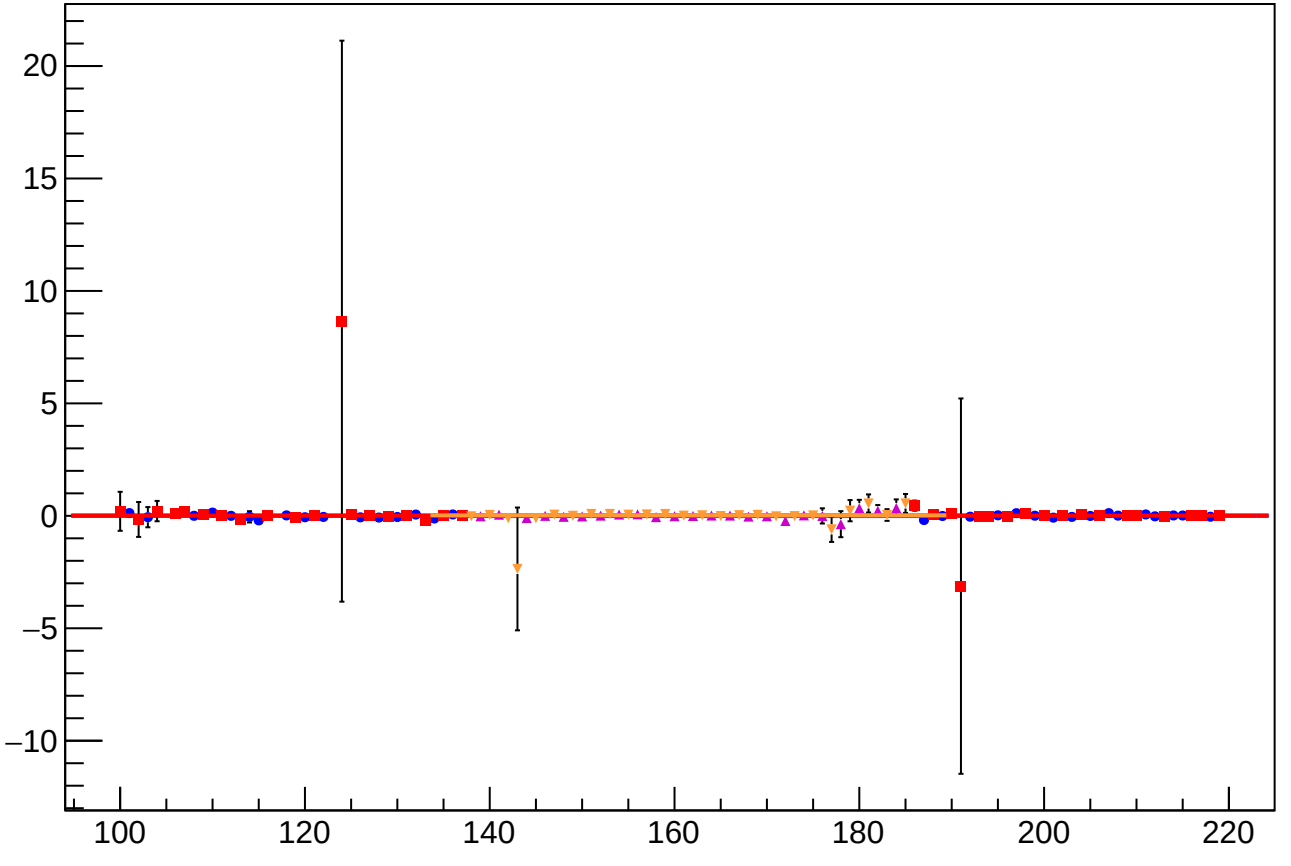
Right: 32.435+/-0.004 χ^2/NDF: 10825172.5/68

In: 32.672+/-0.004 χ^2/NDF:14048446.5/54

Out: 33.572+/-0.005 χ^2/NDF:18300820.3/61

All: 33.109+/-0.003 χ^2/NDF: 32368893.0/116

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 48.2/31

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

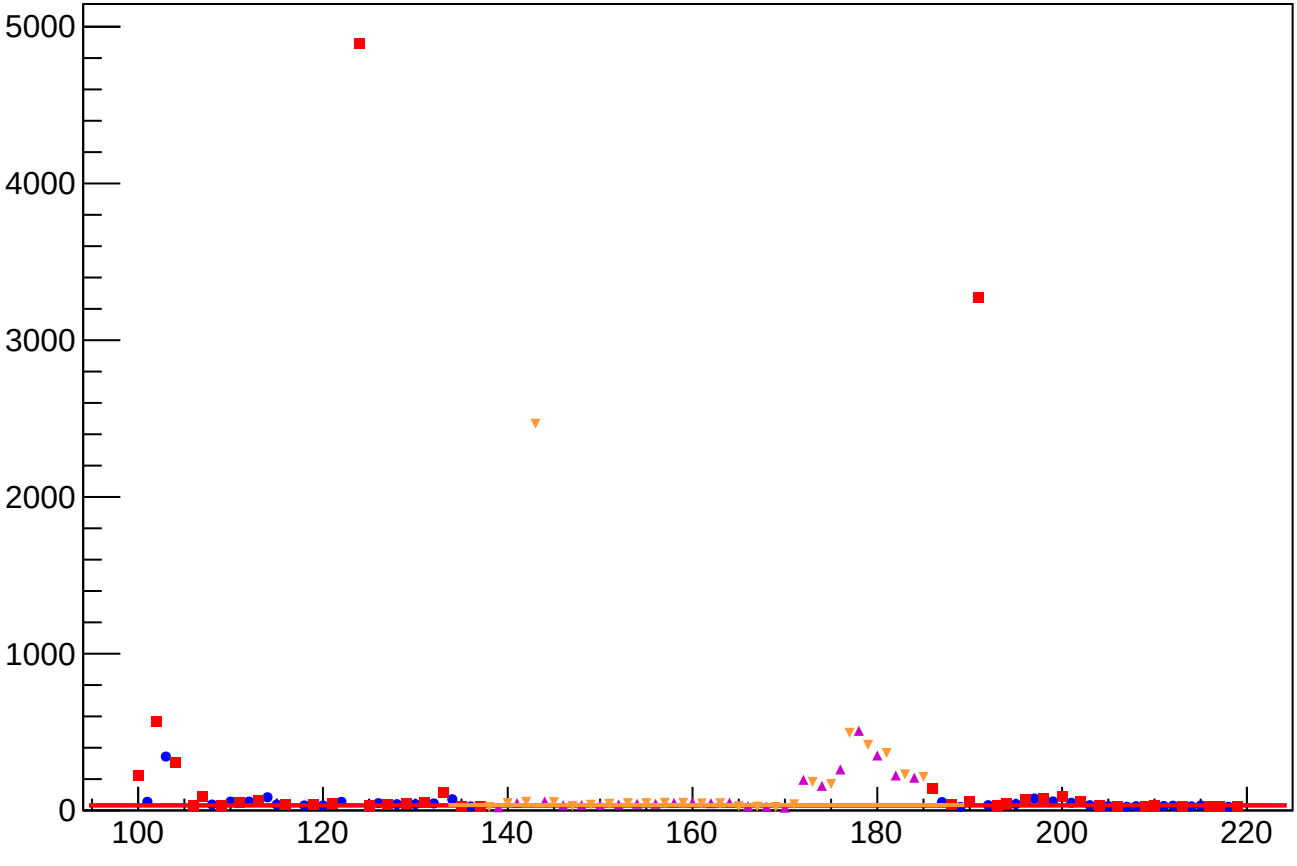
Right: 0.009+/-0.006 χ^2/NDF: 72.9/68

In: -0.000+/-0.006 χ^2/NDF:64.6/54

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.008+/-0.005 χ^2/NDF: 116.0/116

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.044+/-0.006 χ^2/NDF: 3953293.6/31

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

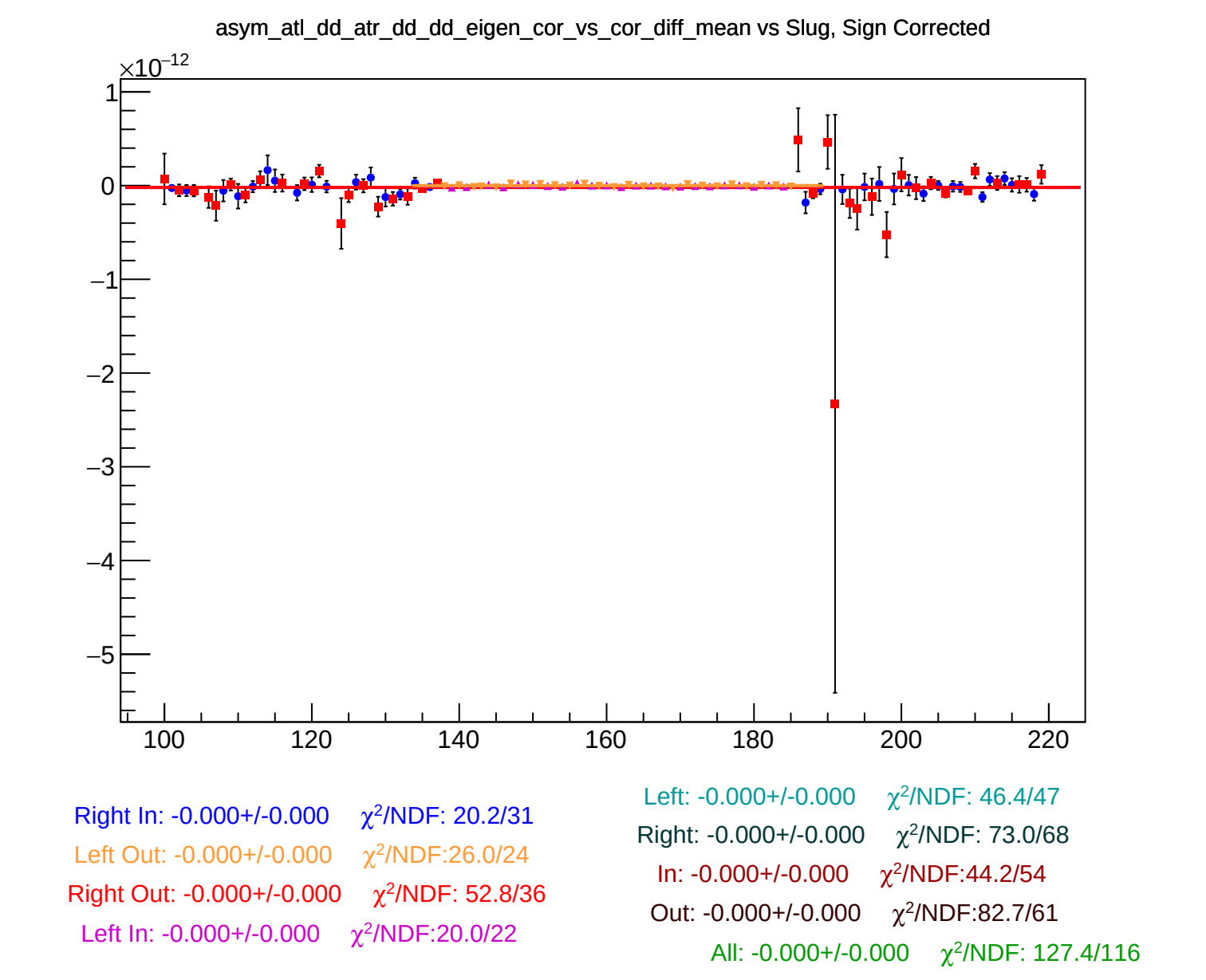
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

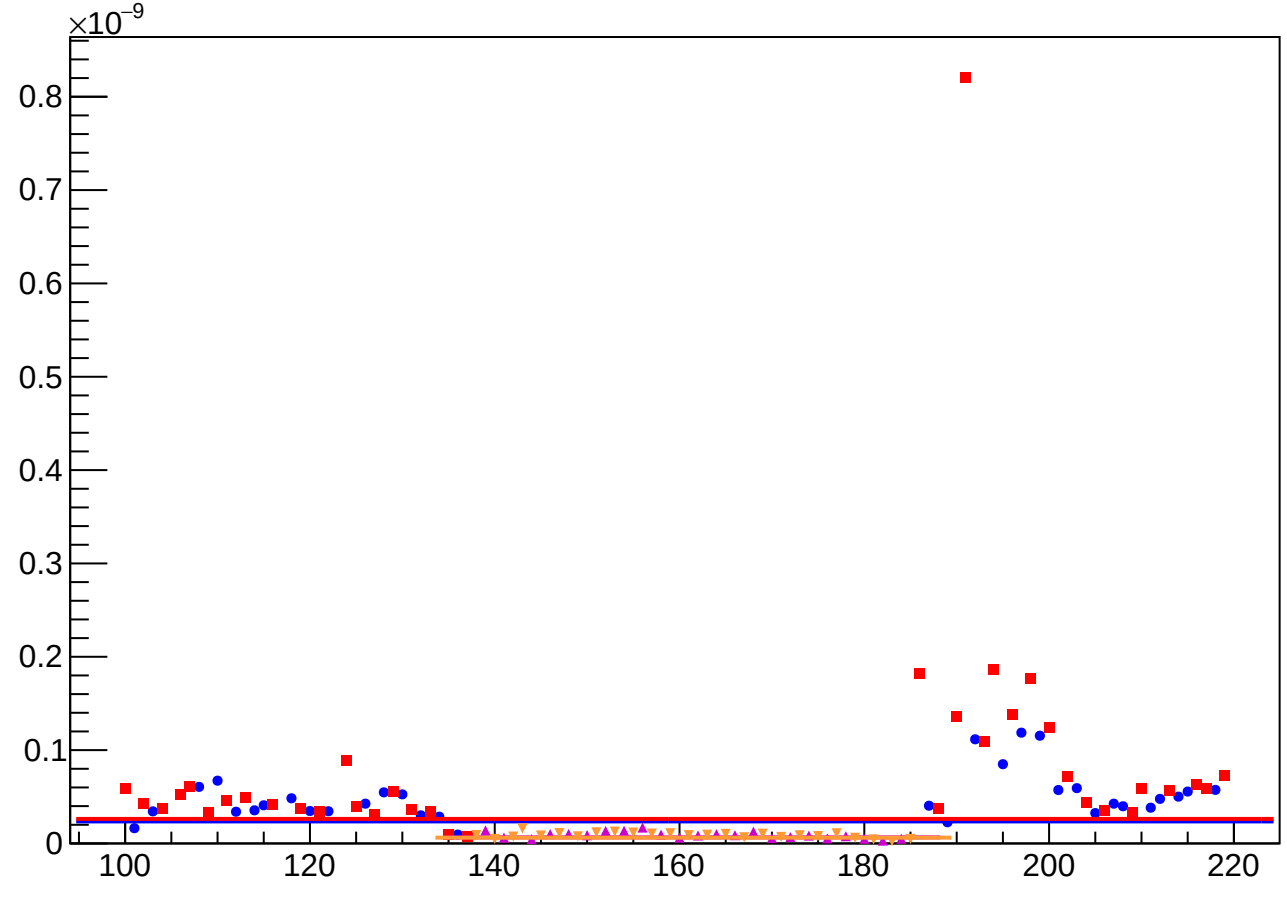
Right: 32.435+/-0.004 χ^2/NDF: 10825172.5/68

In: 32.672+/-0.004 χ^2/NDF:14048446.5/54

Out: 33.572+/-0.005 χ^2/NDF:18300820.3/61

All: 33.109+/-0.003 χ^2/NDF: 32368893.0/116


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 20.2/31
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 52.8/36
Left In: -0.000+/-0.000 χ²/NDF:20.0/22
Left: -0.000+/-0.000 χ²/NDF: 46.4/47
Right: -0.000+/-0.000 χ²/NDF: 73.0/68
In: -0.000+/-0.000 χ²/NDF:44.2/54
Out: -0.000+/-0.000 χ²/NDF:82.7/61
All: -0.000+/-0.000 χ²/NDF: 127.4/116



Right In: 0.000+/-0.000 χ^2/NDF: 9000854.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11712452.7/36

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

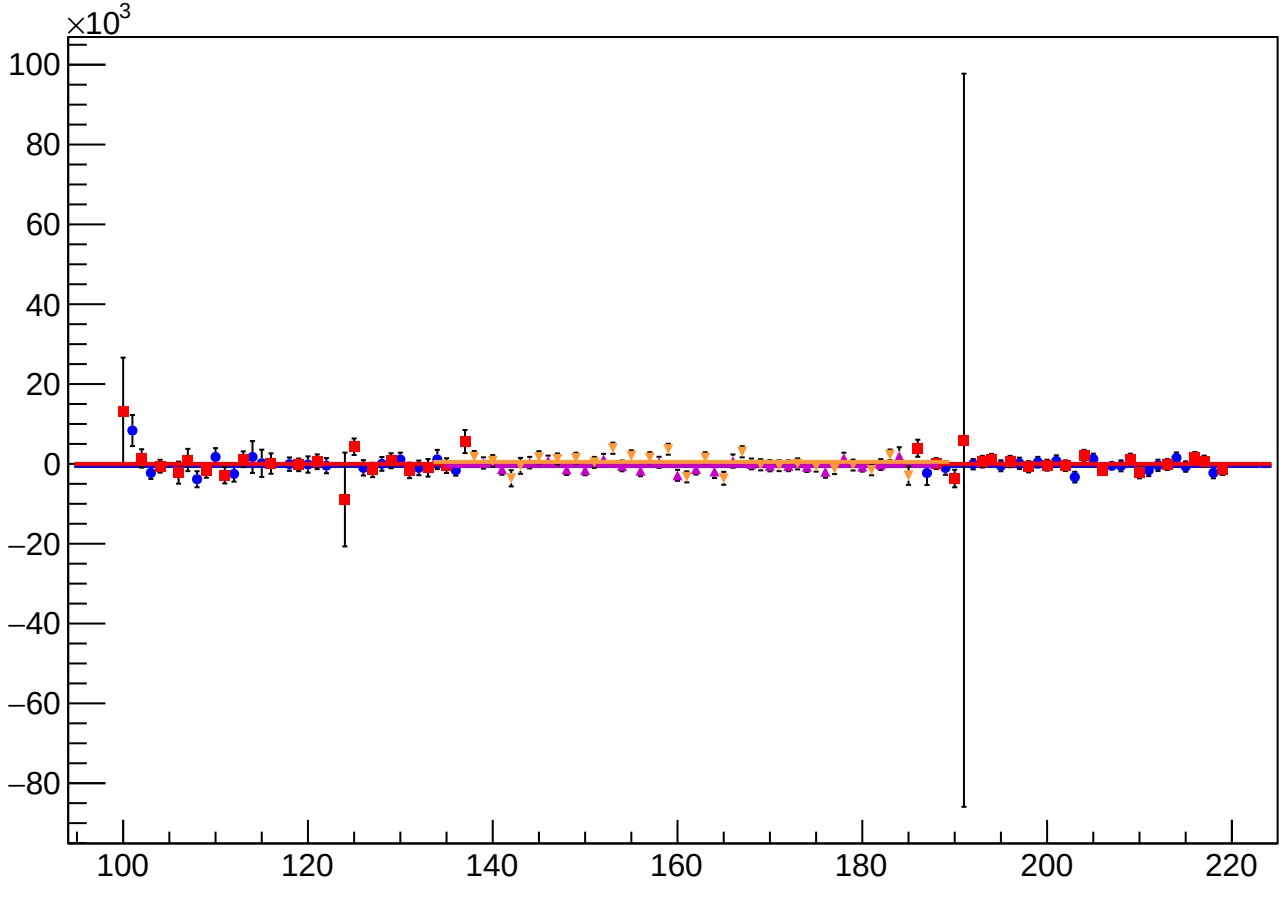
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 20798599.8/68

In: 0.000+/-0.000 χ^2/NDF:20375628.6/54

Out: 0.000+/-0.000 χ^2/NDF:25199543.3/61

All: 0.000+/-0.000 χ^2/NDF: 45614067.7/116



Right In: -518.956+/-286.661 χ^2/NDF: 26.2/31

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -10.411+/-281.970 χ^2/NDF: 33.5/36

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

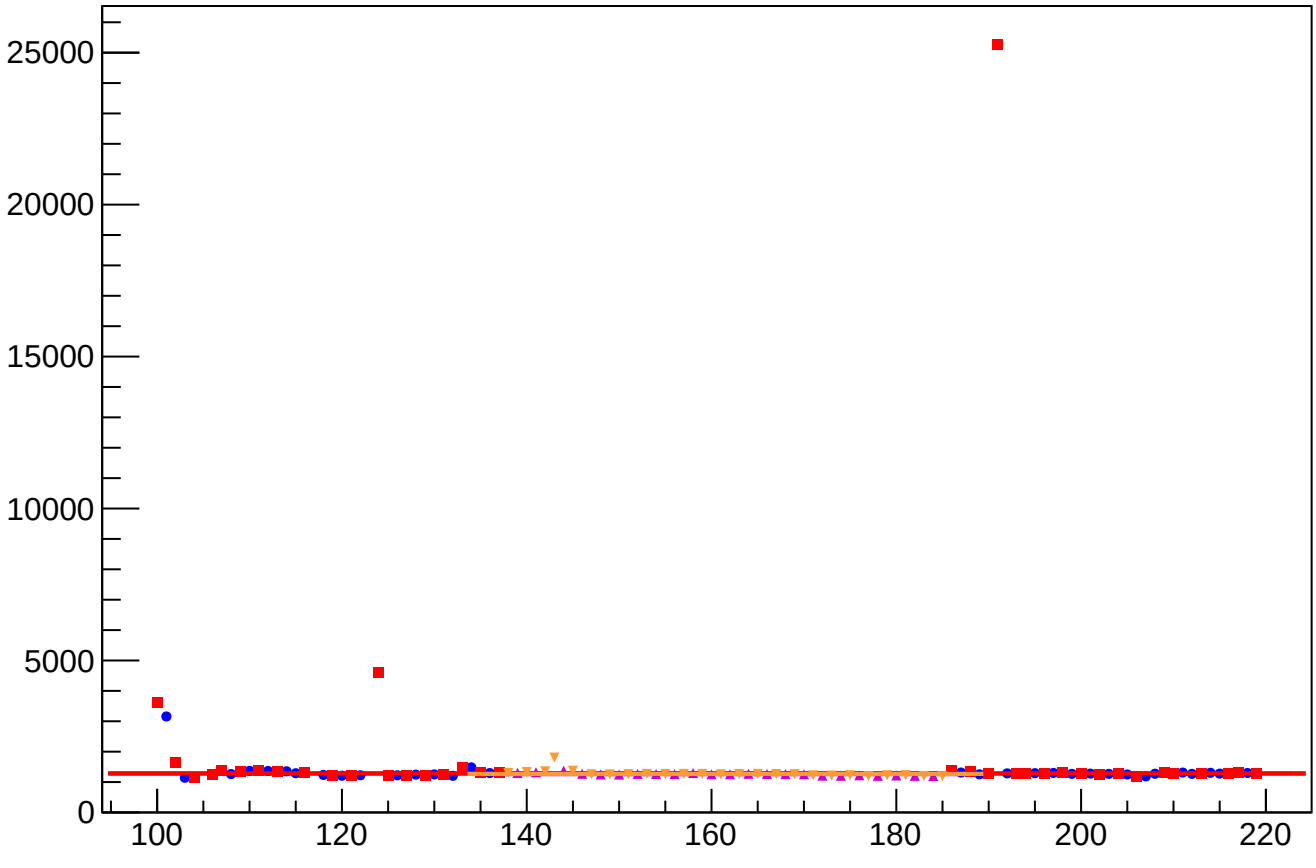
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -260.488+/-201.021 χ^2/NDF: 61.3/68

In: -503.282+/-205.167 χ^2/NDF:40.6/54

Out: 235.079+/-201.650 χ^2/NDF:81.9/61

All: -127.719+/-143.816 χ^2/NDF: 129.1/116



Right In: 1279.520+/-0.203 χ^2/NDF: 530618.1/31

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.492+/-0.199 χ^2/NDF: 483574.3/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

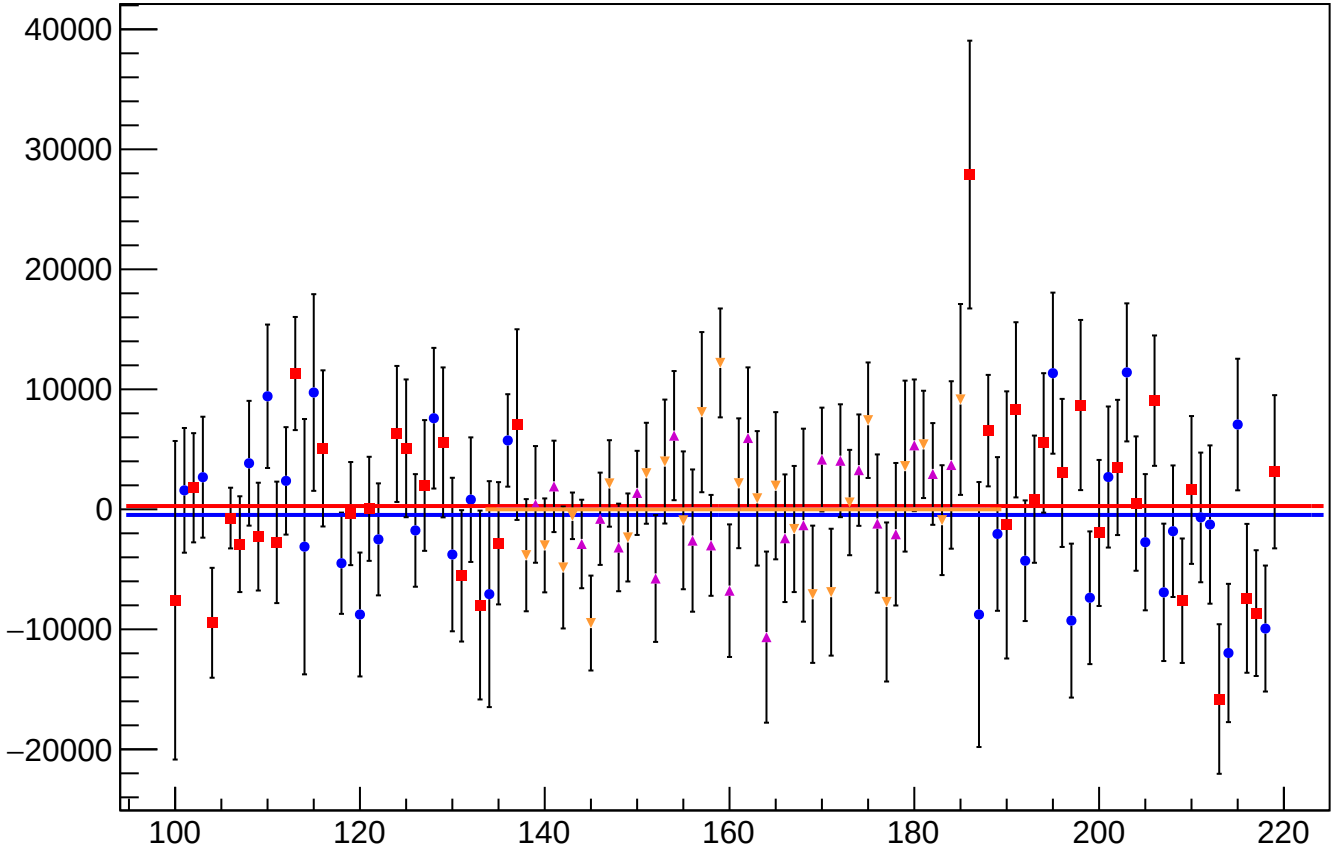
Right: 1284.084+/-0.142 χ^2/NDF: 1015189.0/68

In: 1268.805+/-0.145 χ^2/NDF:573163.6/54

Out: 1277.985+/-0.143 χ^2/NDF:676818.5/61

All: 1273.476+/-0.102 χ^2/NDF: 1252019.9/11

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -468.160+/-984.534 χ^2/NDF: 38.0/31

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 274.259+/-875.989 χ^2/NDF: 46.8/36

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

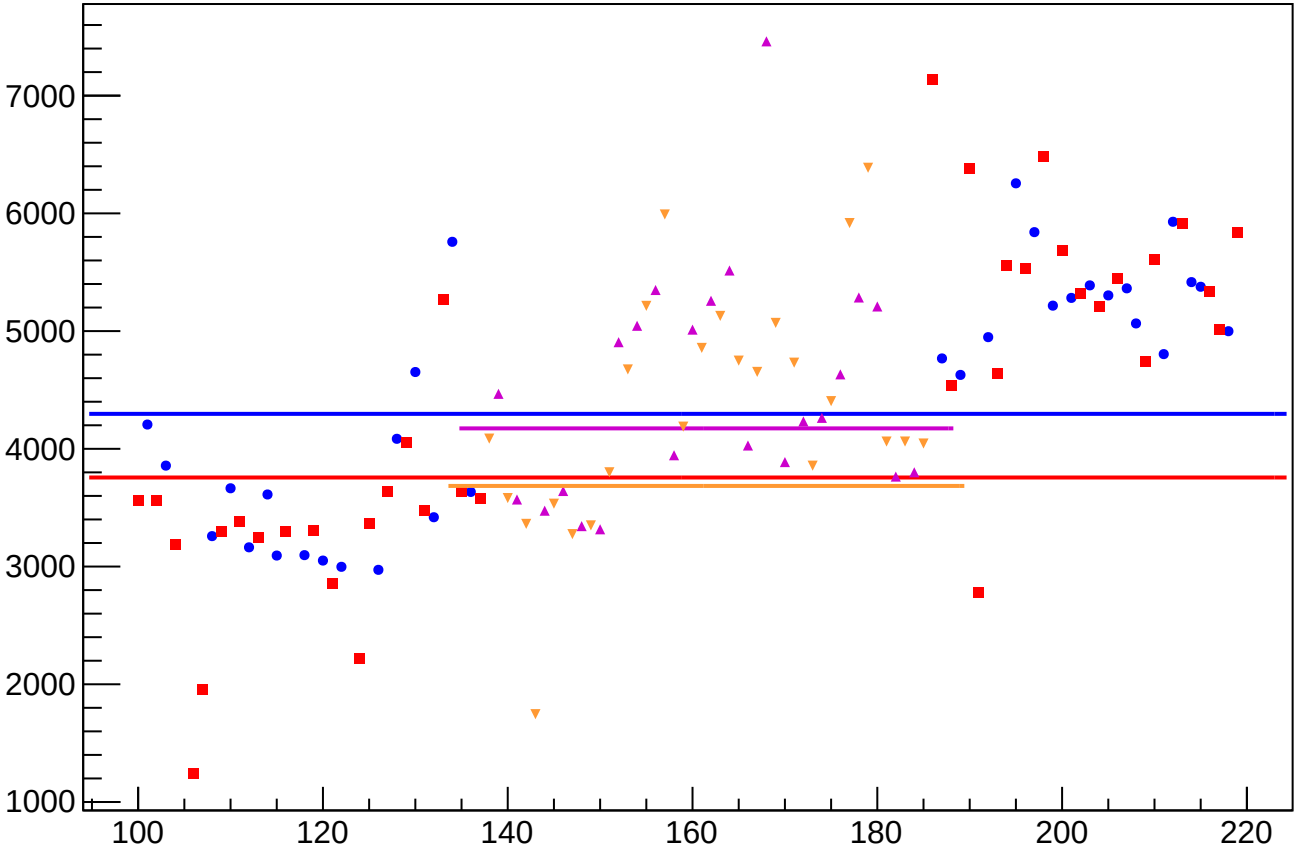
Right: -53.784+/-654.442 χ^2/NDF: 85.1/68

In: -221.013+/-699.963 χ^2/NDF:52.1/54

Out: 138.465+/-623.096 χ^2/NDF:75.9/61

All: -20.460+/-465.408 χ^2/NDF: 128.2/116

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 4297.027+/-0.696 χ^2/NDF: 2076361.0/31

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3756.437+/-0.619 χ^2/NDF: 5567877.2/36

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

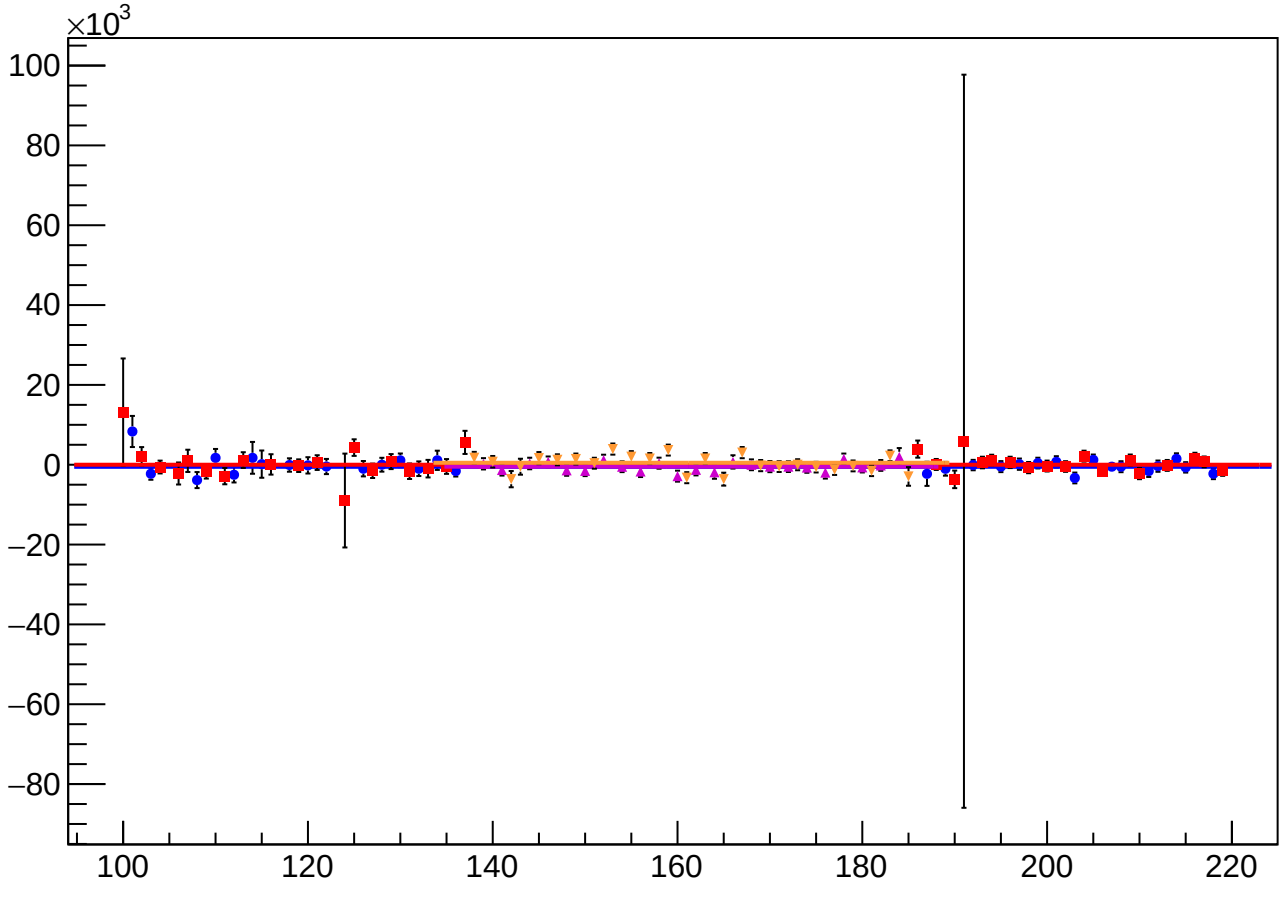
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3995.300+/-0.463 χ^2/NDF: 7980789.0/68

In: 4235.966+/-0.495 χ^2/NDF:3366885.3/54

Out: 3721.030+/-0.441 χ^2/NDF:9268137.7/61

All: 3948.682+/-0.329 χ^2/NDF: 13238895.4/1



Right In: -519.082+/-286.661 χ^2/NDF: 26.2/31

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

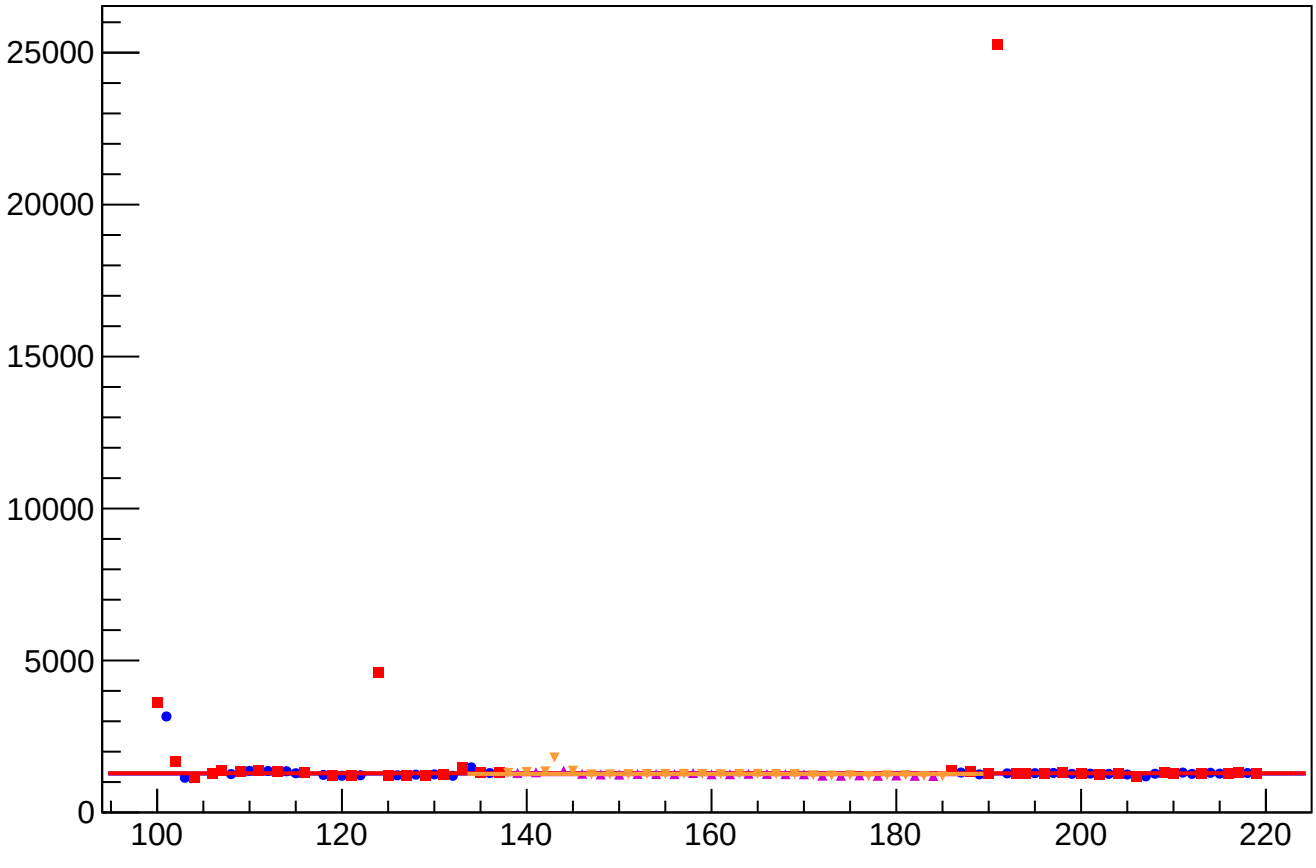
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -255.683+/-201.044 χ^2/NDF: 61.8/68

In: -503.297+/-205.167 χ^2/NDF:40.6/54

Out: 240.098+/-201.673 χ^2/NDF:82.3/61

All: -125.216+/-143.824 χ^2/NDF: 129.6/116



Right In: 1279.520+/-0.203 χ^2/NDF: 530619.5/31

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

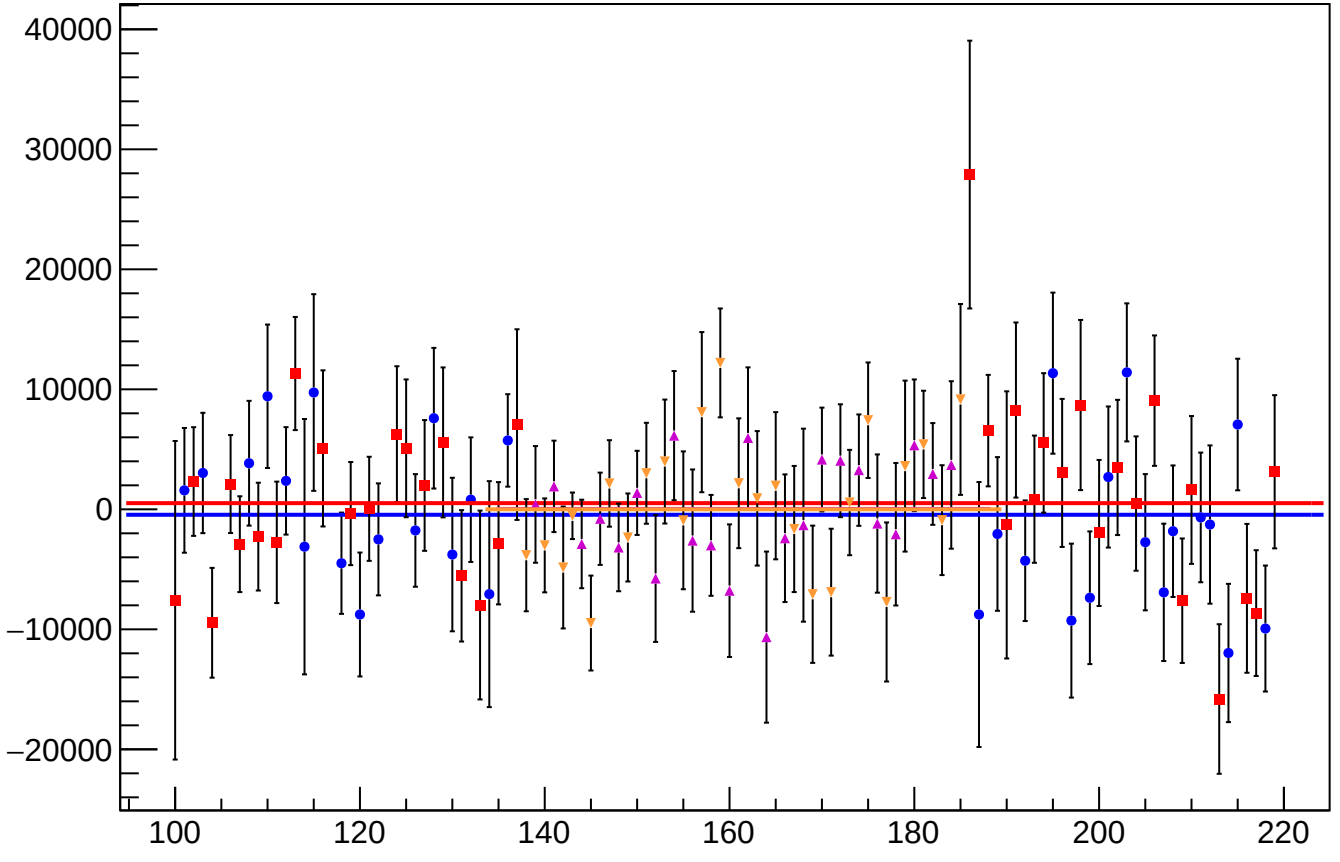
Right: 1284.422+/-0.142 χ^2/NDF: 1022245.2/68

In: 1268.805+/-0.145 χ^2/NDF:573165.0/54

Out: 1278.322+/-0.143 χ^2/NDF:684076.7/61

All: 1273.647+/-0.102 χ^2/NDF: 1259431.4/11

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -453.478+/-984.347 χ^2/NDF: 38.1/31

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

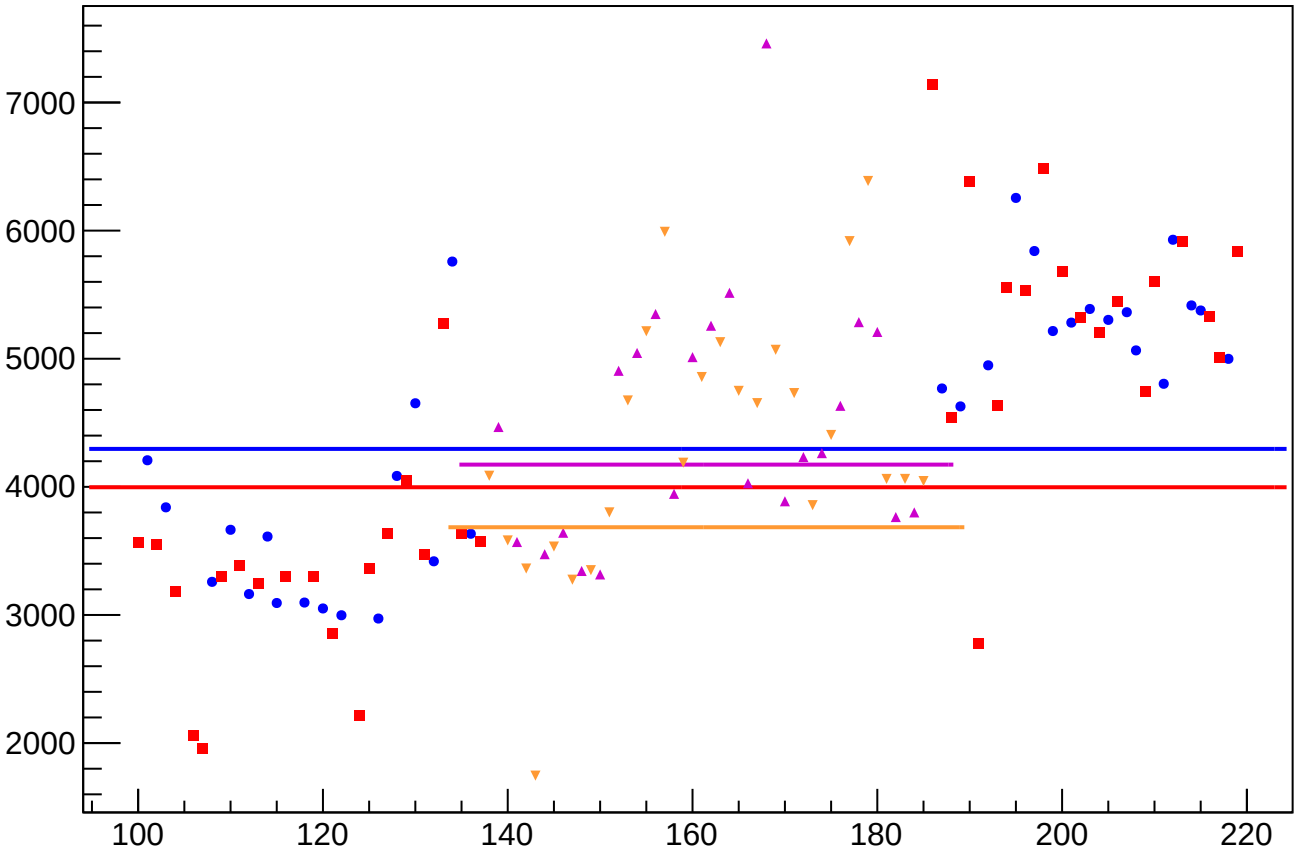
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 69.059+/-668.222 χ^2/NDF: 85.5/68

In: -213.635+/-699.895 χ^2/NDF:52.2/54

Out: 250.803+/-635.004 χ^2/NDF:76.1/61

All: 41.108+/-470.288 χ^2/NDF: 128.6/116



Right In: 4296.223+/-0.696 χ^2/NDF: 2077743.5/31

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

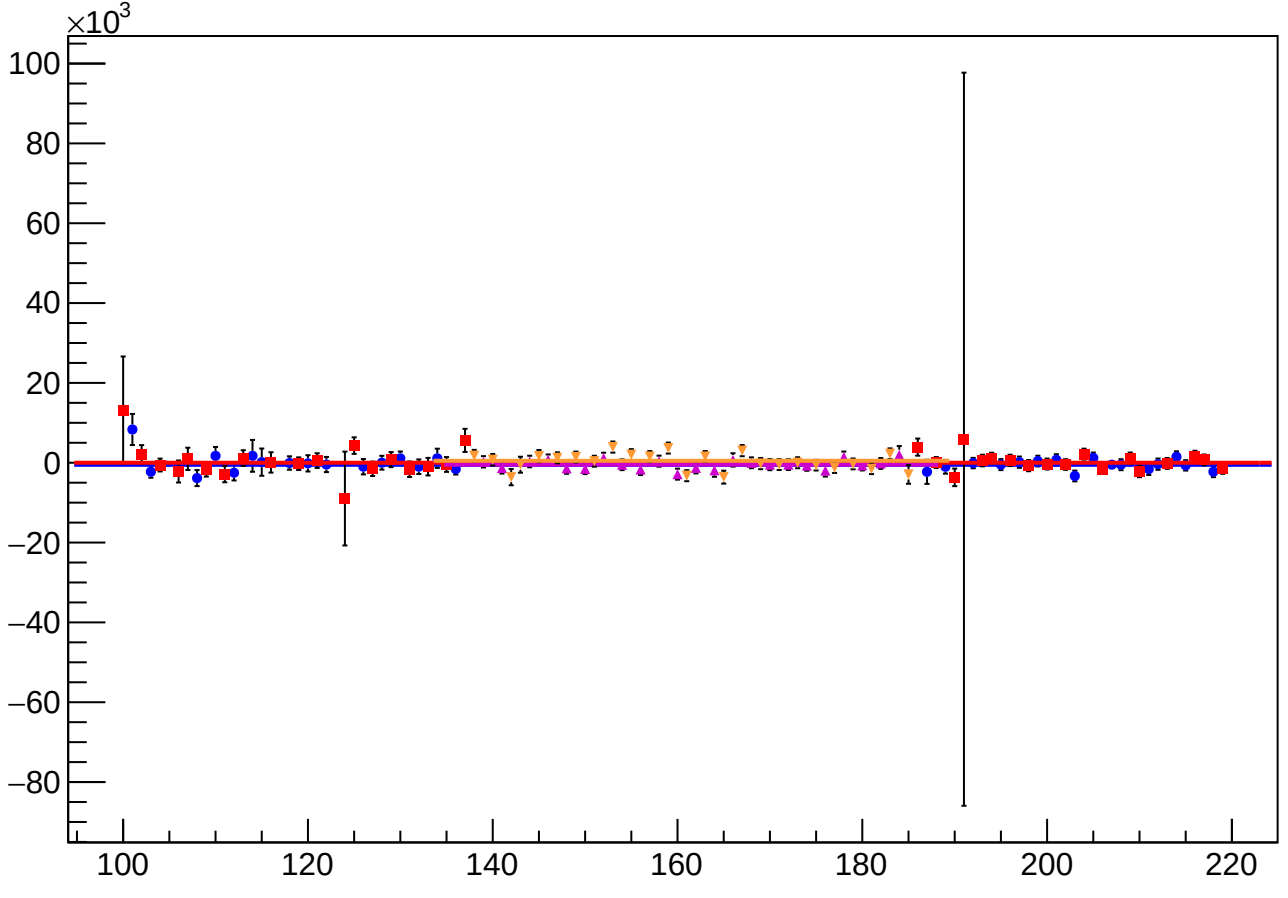
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4134.824+/-0.473 χ^2/NDF: 5974695.2/68

In: 4235.568+/-0.495 χ^2/NDF:3368069.4/54

Out: 3836.726+/-0.449 χ^2/NDF:7611620.2/61

All: 4016.805+/-0.333 χ^2/NDF: 11335926.5/1



Right In: -519.082+/-286.661 χ^2/NDF: 26.2/31

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

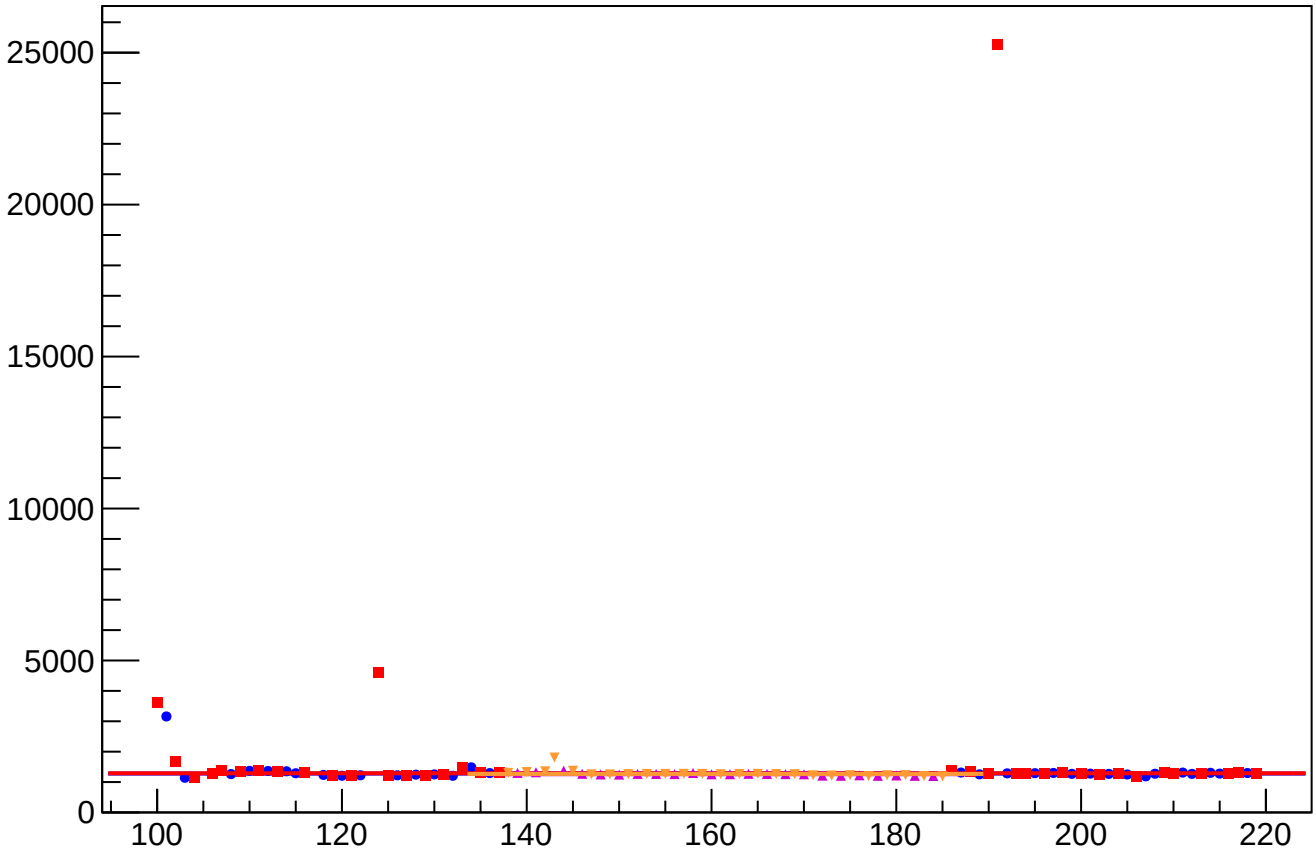
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -255.683+/-201.044 χ^2/NDF: 61.8/68

In: -503.297+/-205.167 χ^2/NDF:40.6/54

Out: 240.098+/-201.673 χ^2/NDF:82.3/61

All: -125.216+/-143.824 χ^2/NDF: 129.6/116



Right In: 1279.520+/-0.203 χ^2/NDF: 530619.5/31

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

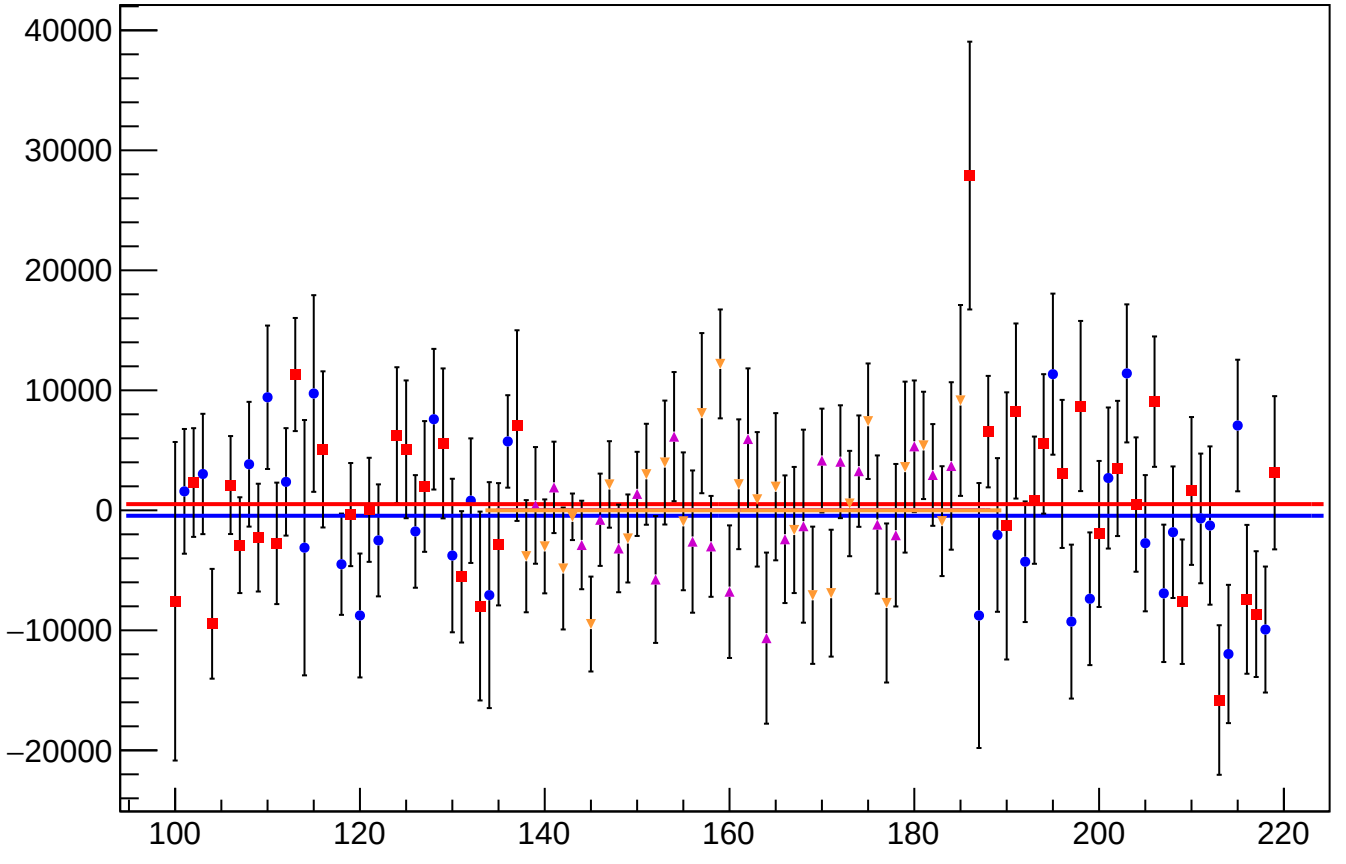
Right: 1284.422+/-0.142 χ^2/NDF: 1022245.2/68

In: 1268.805+/-0.145 χ^2/NDF:573165.0/54

Out: 1278.322+/-0.143 χ^2/NDF:684076.7/61

All: 1273.647+/-0.102 χ^2/NDF: 1259431.4/11

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -453.478+/-984.347 χ^2/NDF: 38.1/31

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

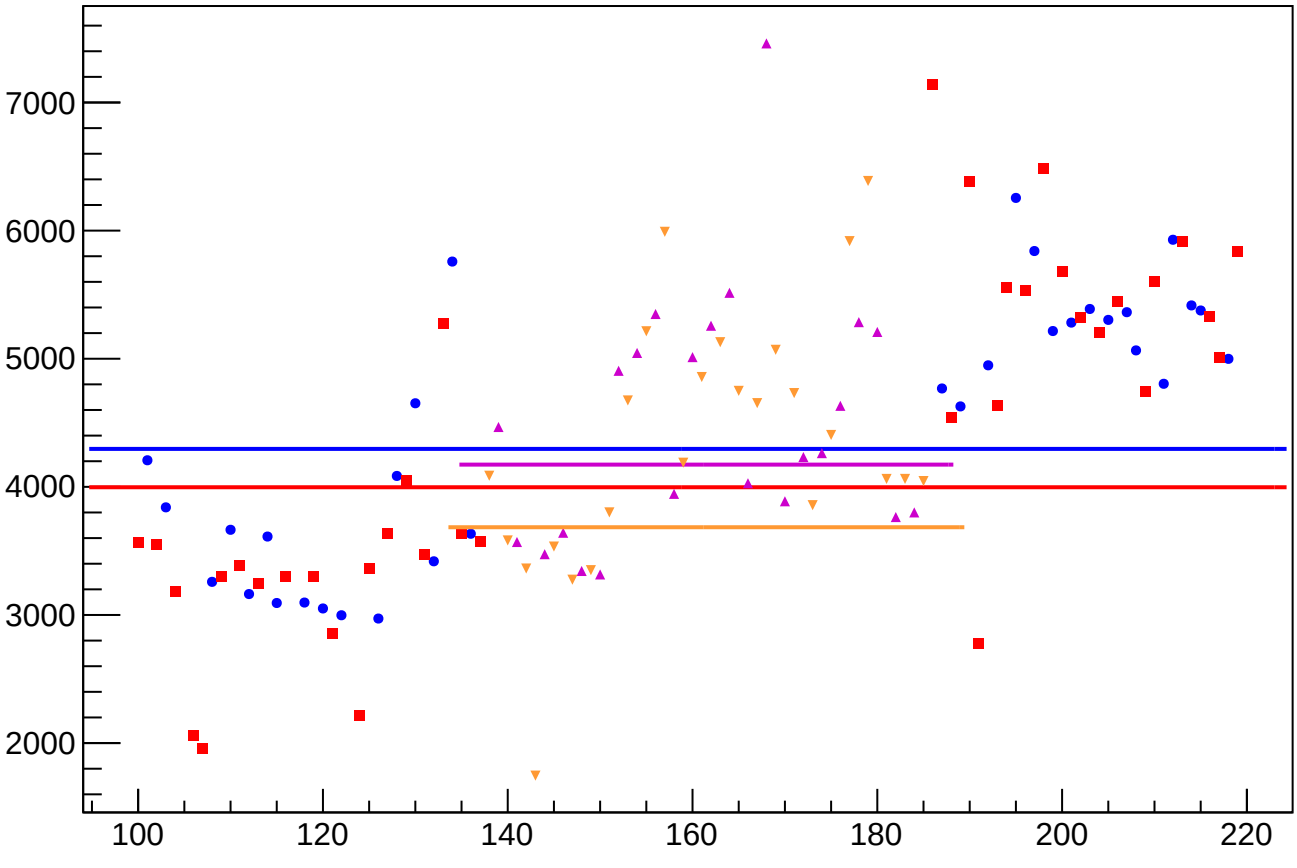
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 69.059+/-668.222 χ^2/NDF: 85.5/68

In: -213.635+/-699.895 χ^2/NDF:52.2/54

Out: 250.803+/-635.004 χ^2/NDF:76.1/61

All: 41.108+/-470.288 χ^2/NDF: 128.6/116



Right In: 4296.223+/-0.696 χ^2/NDF: 2077743.5/31

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

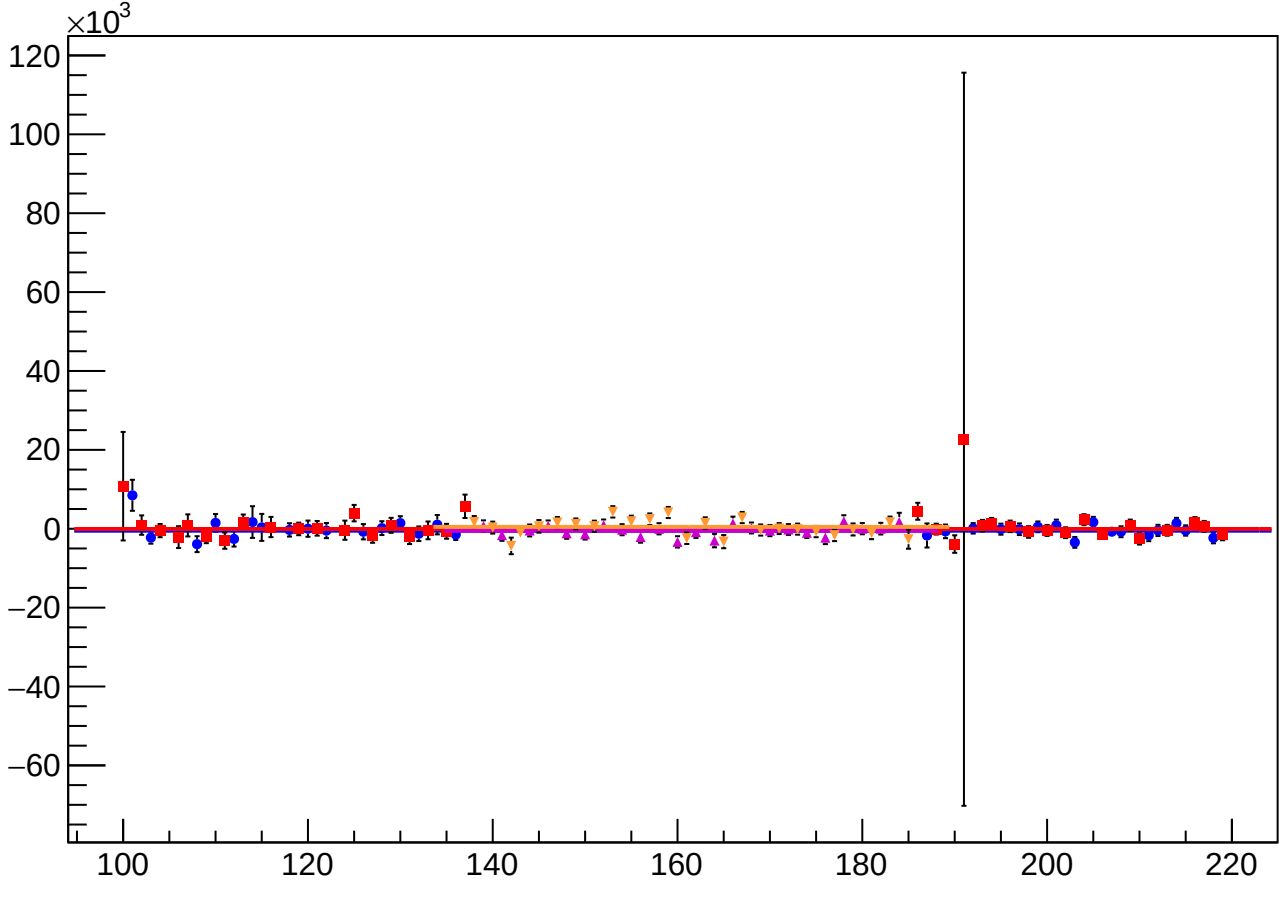
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4134.824+/-0.473 χ^2/NDF: 5974695.2/68

In: 4235.568+/-0.495 χ^2/NDF:3368069.4/54

Out: 3836.726+/-0.449 χ^2/NDF:7611620.2/61

All: 4016.805+/-0.333 χ^2/NDF: 11335926.5/1



Right In: -490.252+/-290.193 χ^2/NDF: 27.5/31

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -66.239+/-284.065 χ^2/NDF: 35.1/36

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

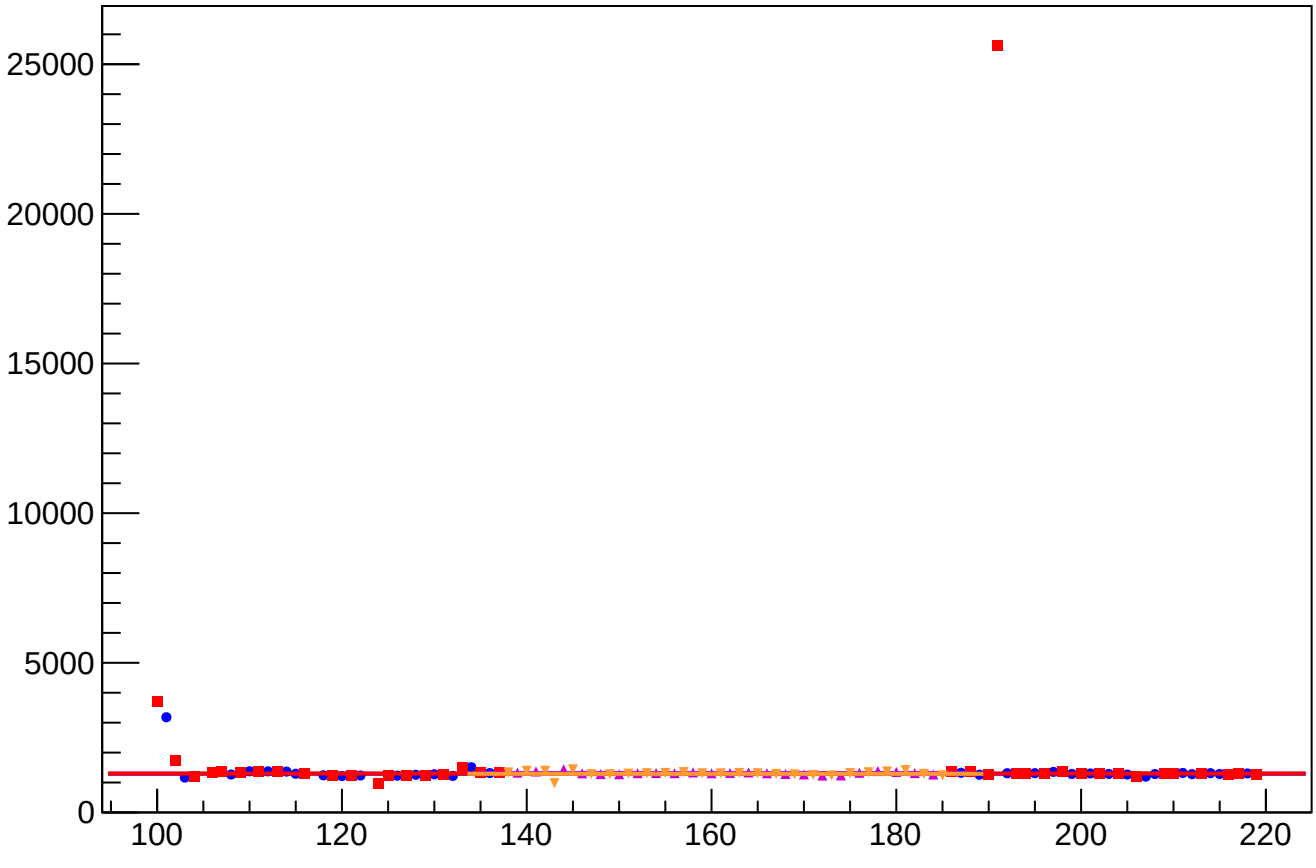
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -273.721+/-202.996 χ^2/NDF: 63.8/68

In: -496.530+/-210.907 χ^2/NDF:45.0/54

Out: 191.434+/-204.372 χ^2/NDF:81.0/61

All: -141.725+/-146.769 χ^2/NDF: 131.4/116



Right In: 1295.181+/-0.205 χ^2/NDF: 530283.4/31

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.2/36

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

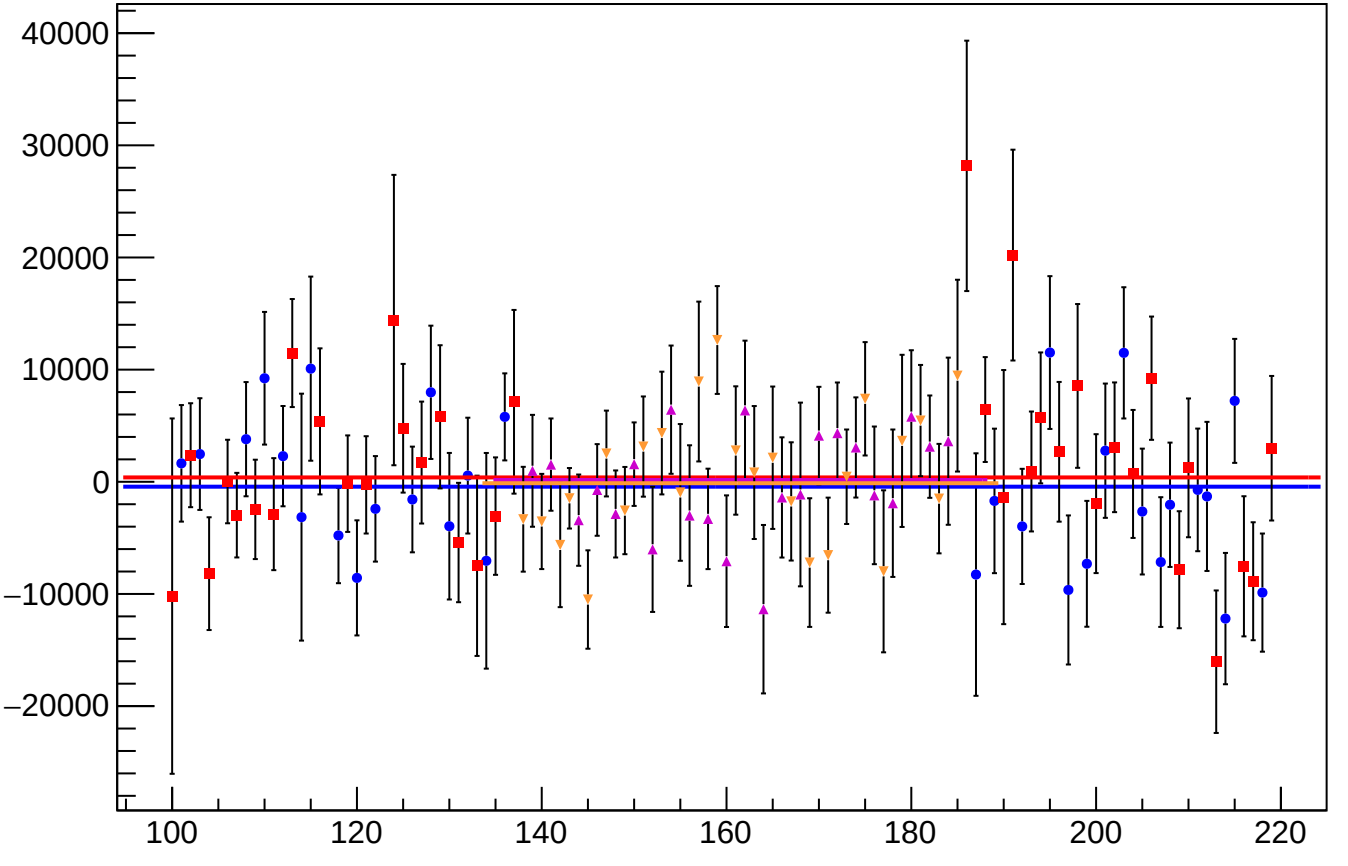
Right: 1297.411+/-0.144 χ^2/NDF: 909948.9/68

In: 1304.062+/-0.149 χ^2/NDF:577298.7/54

Out: 1295.527+/-0.144 χ^2/NDF:611000.4/61

All: 1299.660+/-0.104 χ^2/NDF: 1189988.8/11

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -435.912+/-990.415 χ^2/NDF: 37.9/31

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 389.692+/-924.704 χ^2/NDF: 48.5/36

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

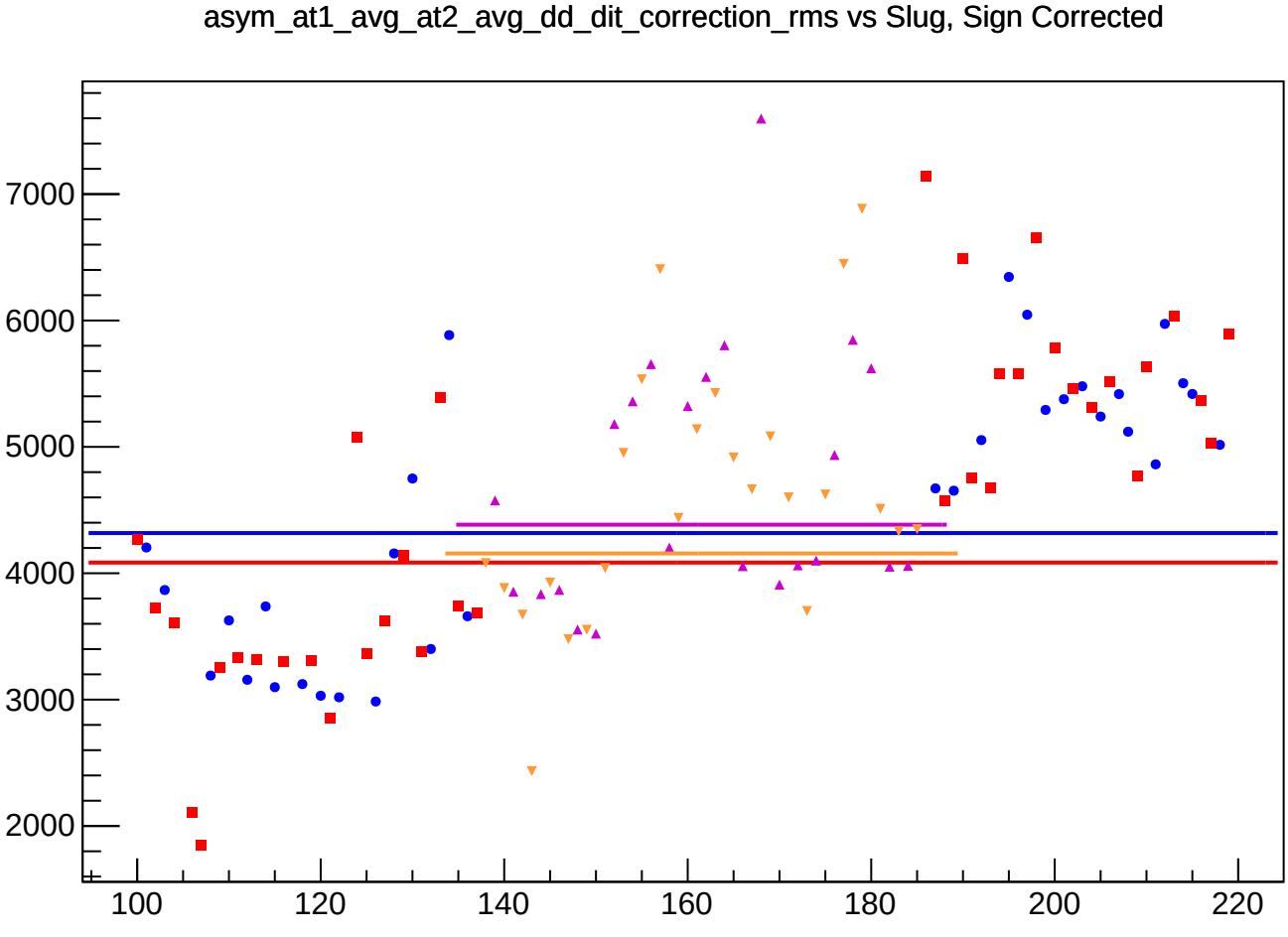
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 5.185+/-675.902 χ^2/NDF: 86.7/68

In: -154.329+/-719.018 χ^2/NDF:51.8/54

Out: 145.476+/-671.666 χ^2/NDF:77.2/61

All: 5.770+/-490.827 χ^2/NDF: 129.1/116



Right In: 4318.059+/-0.700 χ^2/NDF: 2178483.2/31

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 4084.304+/-0.654 χ^2/NDF: 3814574.7/36

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

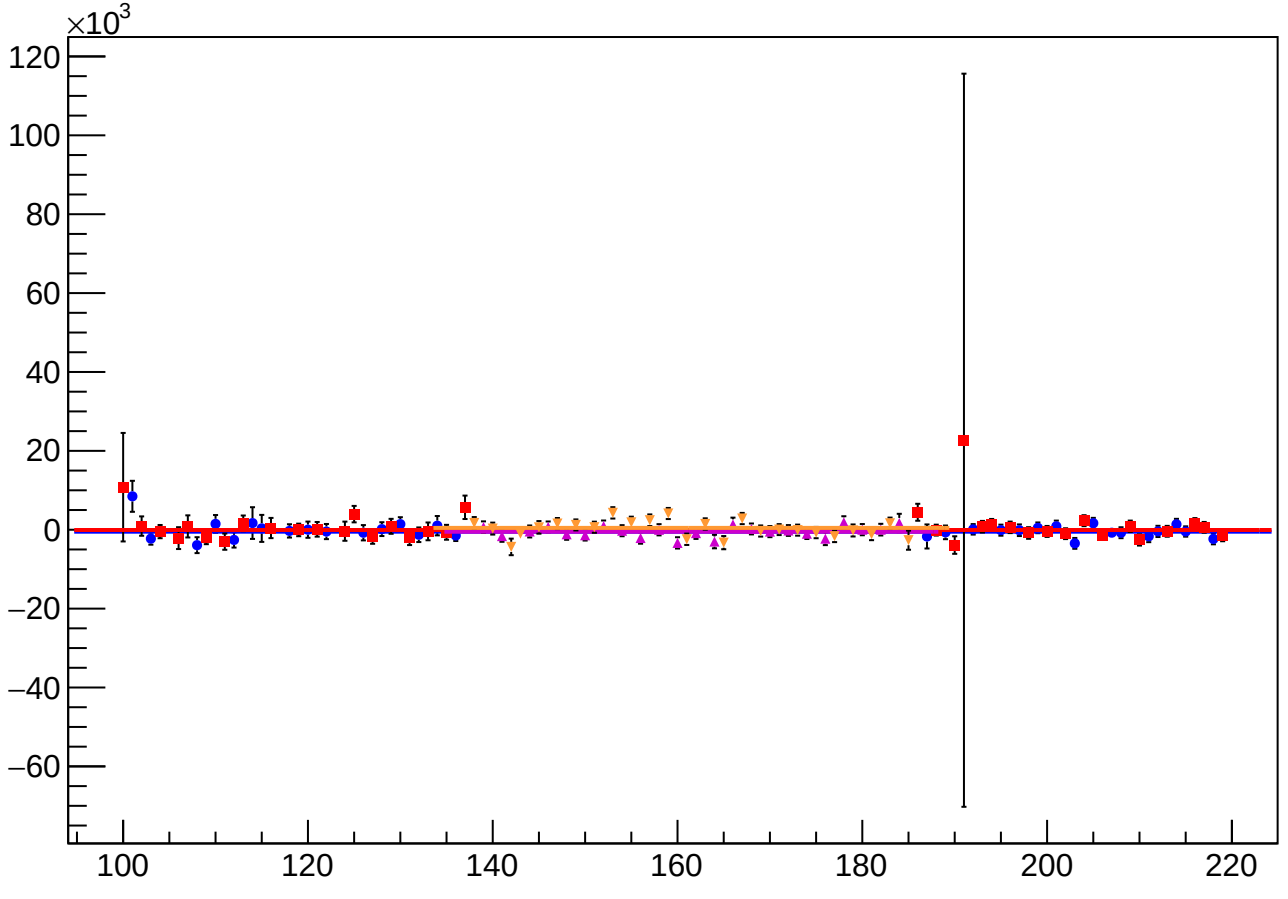
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4193.171+/-0.478 χ^2/NDF: 6052580.3/68

In: 4349.399+/-0.508 χ^2/NDF:3438188.1/54

Out: 4118.448+/-0.475 χ^2/NDF:5901113.1/61

All: 4226.069+/-0.347 χ^2/NDF: 9449490.4/11



Right In: -490.250+/-290.193 χ^2/NDF: 27.5/31

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -66.240+/-284.065 χ^2/NDF: 35.1/36

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

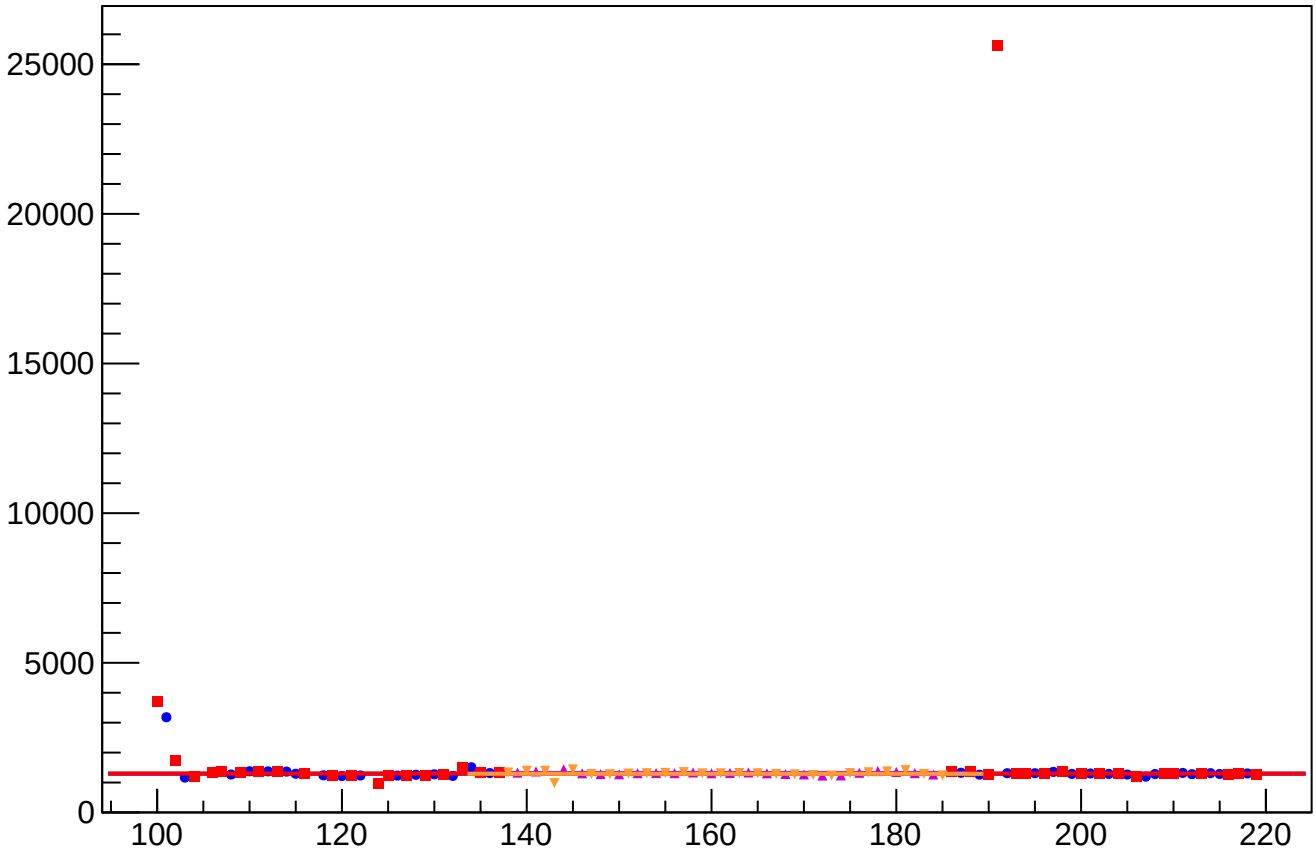
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -273.721+/-202.996 χ^2/NDF: 63.8/68

In: -496.529+/-210.907 χ^2/NDF:45.0/54

Out: 191.435+/-204.373 χ^2/NDF:81.0/61

All: -141.724+/-146.769 χ^2/NDF: 131.4/116



Right In: 1295.181+/-0.205 χ^2/NDF: 530283.5/31

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.3/36

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

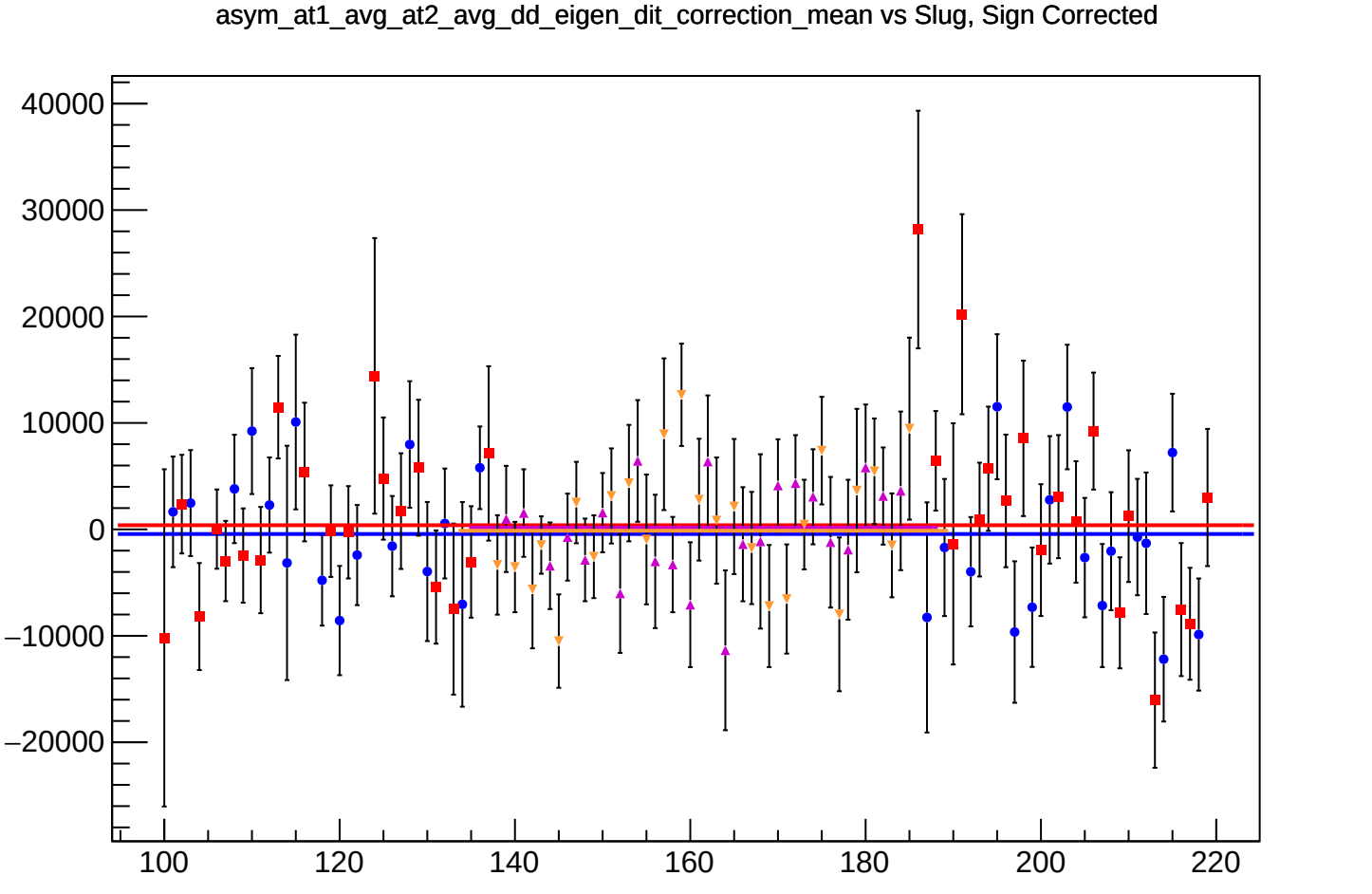
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

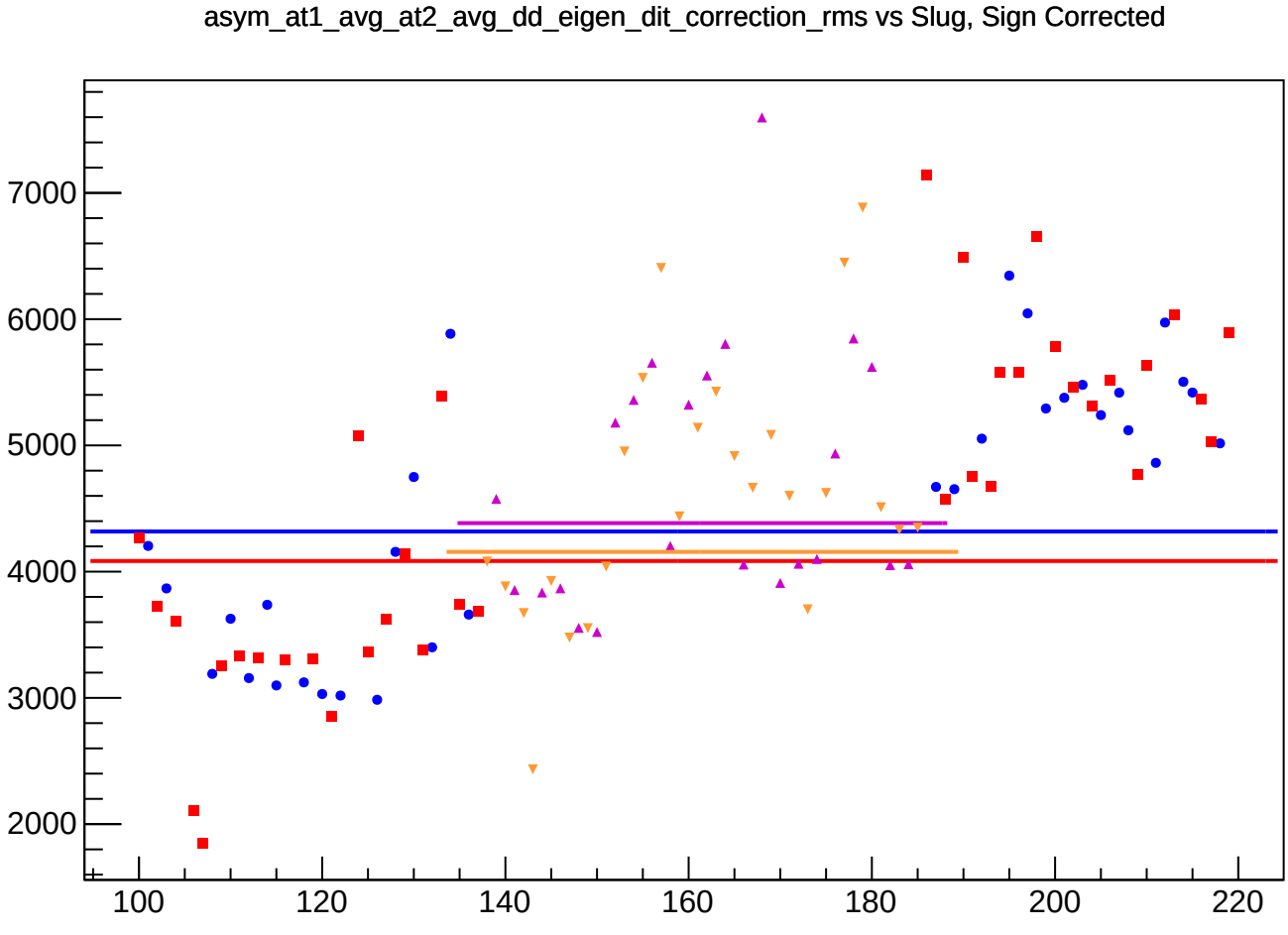
Right: 1297.411+/-0.144 χ^2/NDF: 909949.1/68

In: 1304.063+/-0.149 χ^2/NDF:577301.5/54

Out: 1295.527+/-0.144 χ^2/NDF:611002.7/61

All: 1299.660+/-0.104 χ^2/NDF: 1189993.9/11


asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -435.914+/-990.415 χ²/NDF: 37.9/31
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: 389.687+/-924.703 χ²/NDF: 48.5/36
Left In: 159.454+/-1045.511 χ²/NDF:13.8/22
Left: 6.424+/-713.926 χ²/NDF: 42.4/47
Right: 5.181+/-675.901 χ²/NDF: 86.7/68
In: -154.330+/-719.018 χ²/NDF:51.8/54
Out: 145.475+/-671.666 χ²/NDF:77.2/61
All: 5.769+/-490.827 χ²/NDF: 129.1/116



Right In: 4318.055+/-0.700 χ^2/NDF: 2178522.1/31

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 4084.299+/-0.654 χ^2/NDF: 3814613.1/36

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

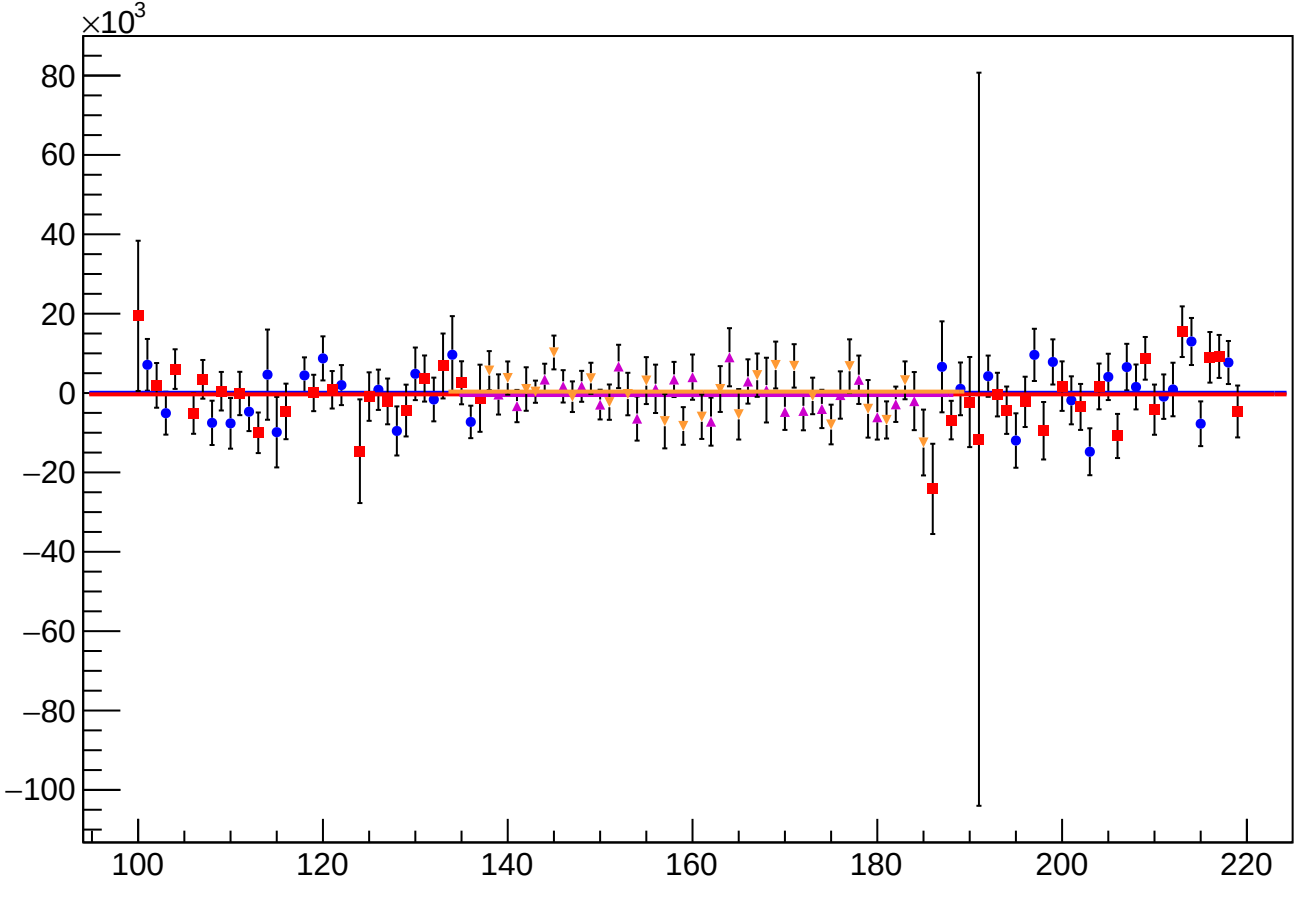
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4193.165+/-0.478 χ^2/NDF: 6052658.2/68

In: 4349.400+/-0.508 χ^2/NDF:3438232.7/54

Out: 4118.448+/-0.475 χ^2/NDF:5901156.3/61

All: 4226.069+/-0.347 χ^2/NDF: 9449578.8/11



Right In: 70.199+/-1040.368 χ^2/NDF: 43.4/31

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -330.825+/-996.314 χ^2/NDF: 39.1/36

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

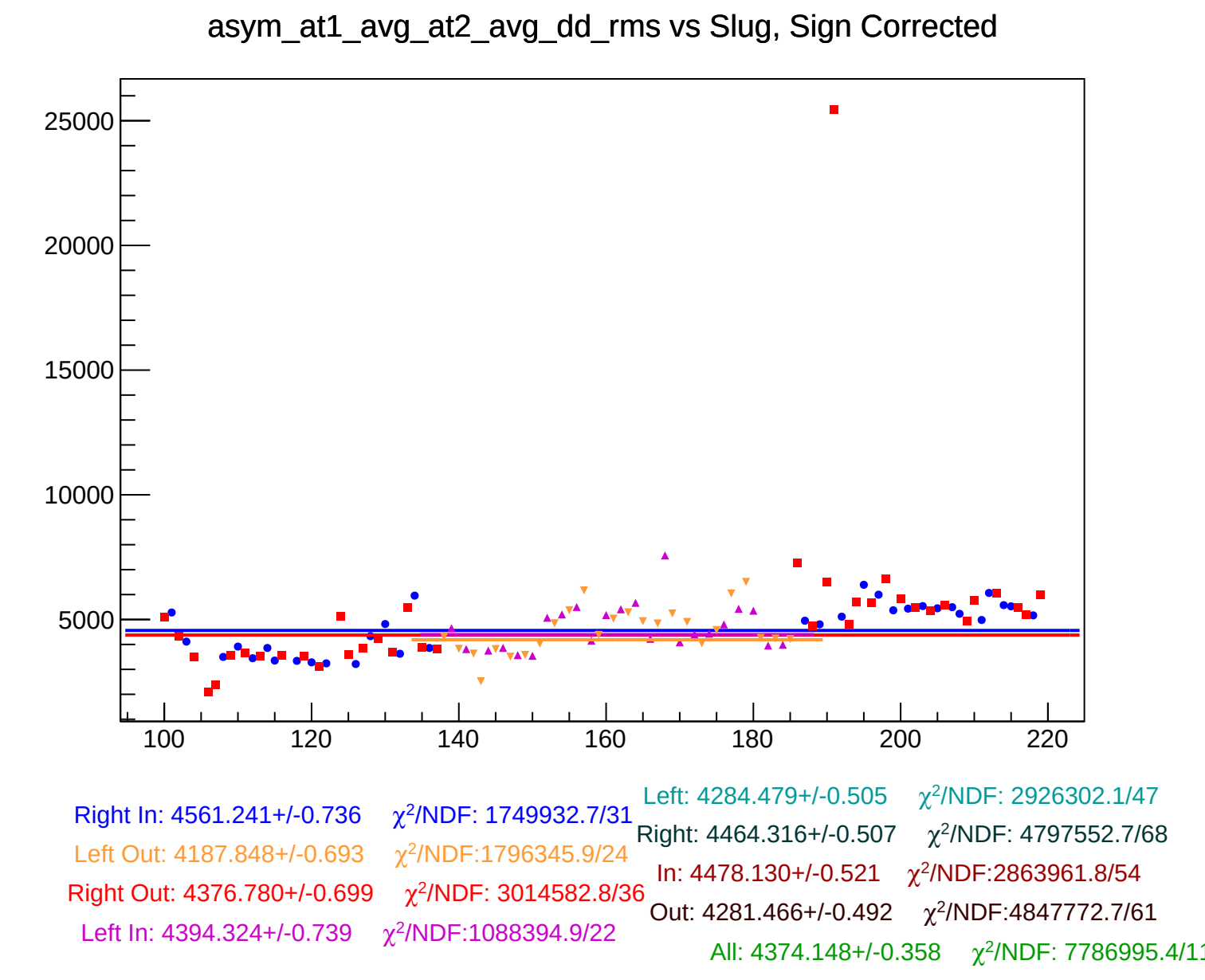
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

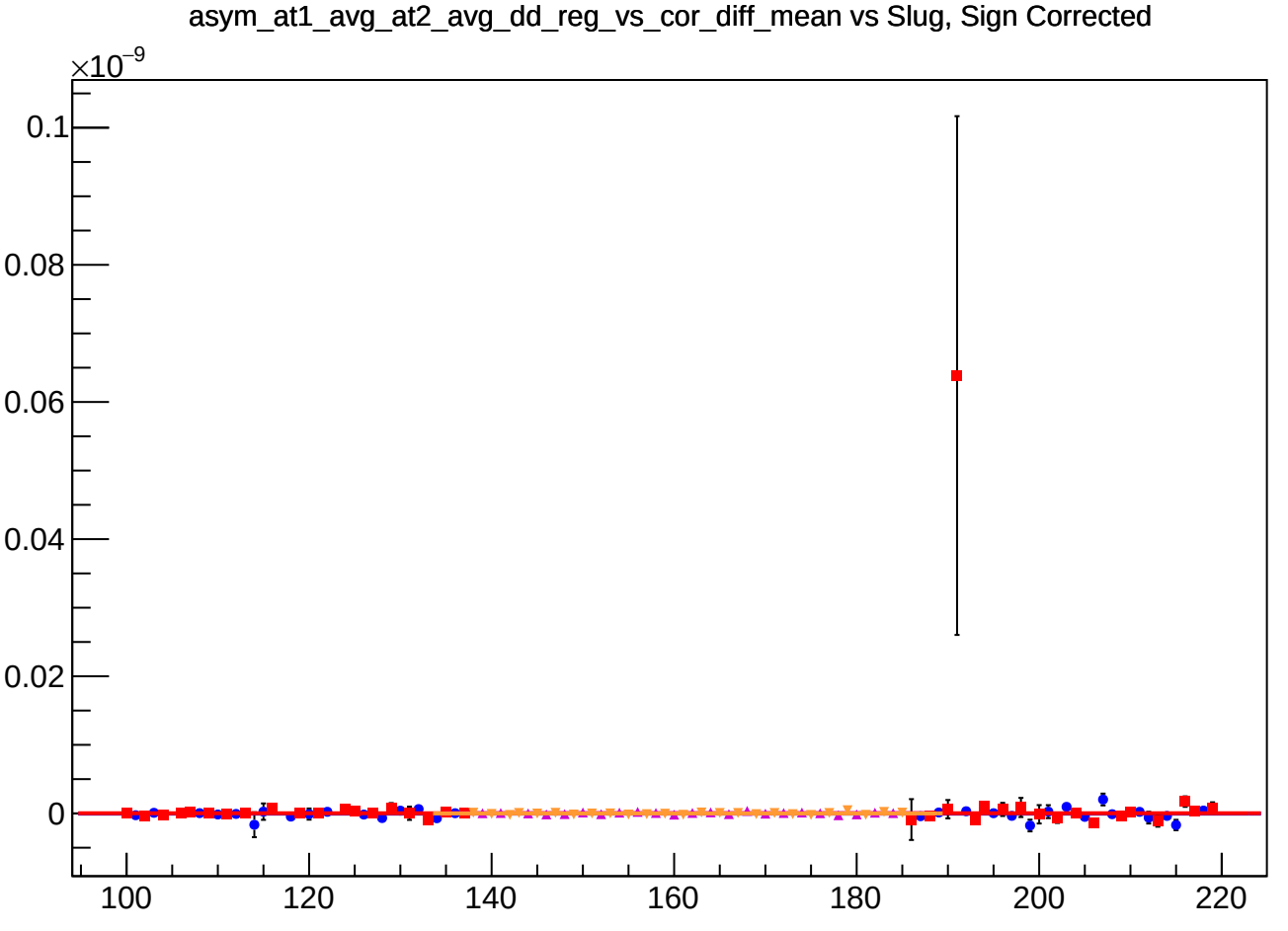
Right: -138.983+/-719.571 χ^2/NDF: 82.6/68

In: -212.480+/-737.181 χ^2/NDF:57.4/54

Out: 21.624+/-698.611 χ^2/NDF:67.0/61

All: -89.144+/-507.080 χ^2/NDF: 124.5/116


asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 4561.241+/-0.736 χ²/NDF: 1749932.7/31
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4376.780+/-0.699 χ²/NDF: 3014582.8/36
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4464.316+/-0.507 χ²/NDF: 4797552.7/68
In: 4478.130+/-0.521 χ²/NDF:2863961.8/54
Out: 4281.466+/-0.492 χ²/NDF:4847772.7/61
All: 4374.148+/-0.358 χ²/NDF: 7786995.4/11



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.4/36

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

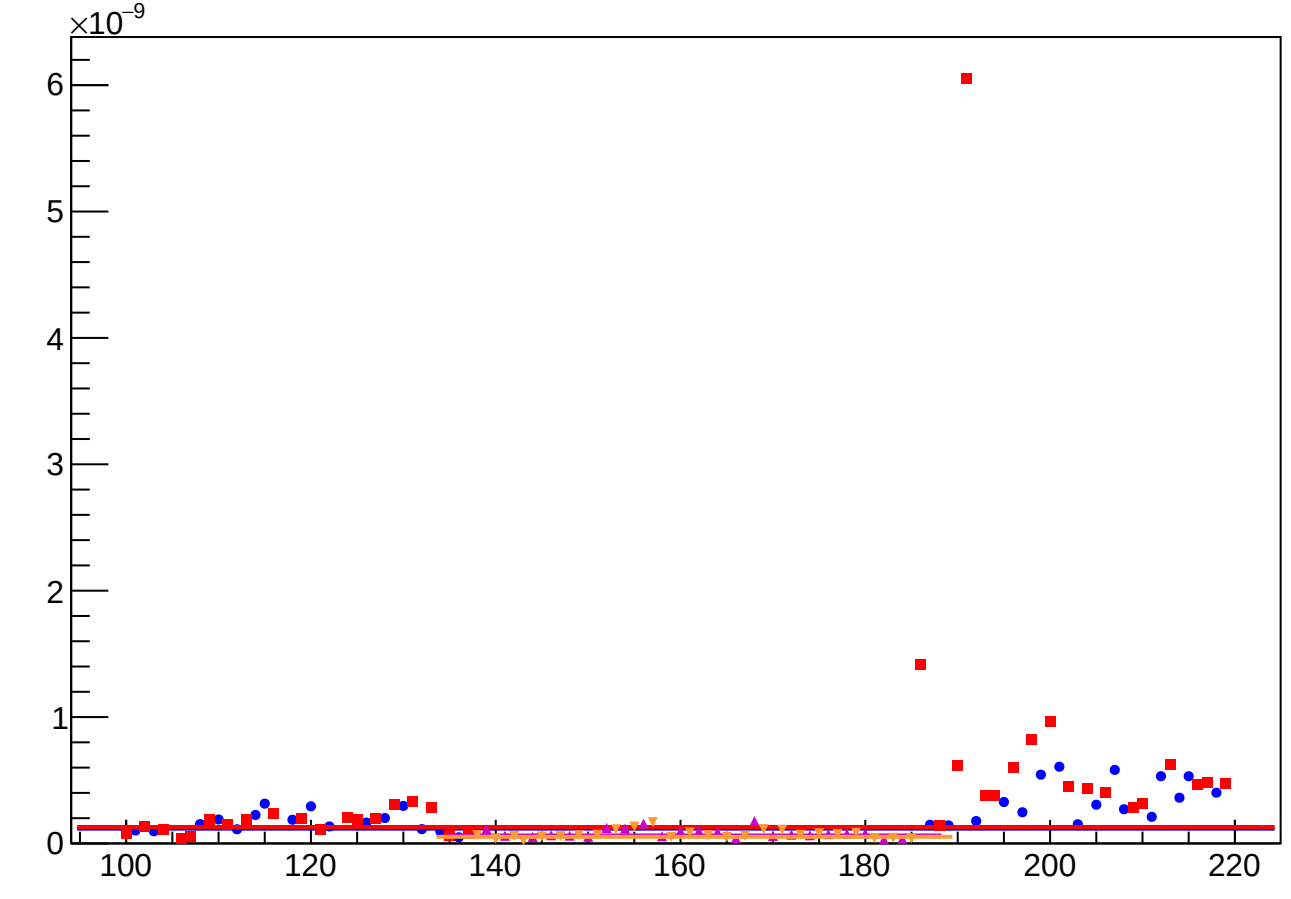
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 82.7/68

In: 0.000+/-0.000 χ^2/NDF:58.6/54

Out: -0.000+/-0.000 χ^2/NDF:72.1/61

All: 0.000+/-0.000 χ^2/NDF: 130.8/116



Right In: 0.000+/-0.000 χ^2/NDF: 6269298.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8717055.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

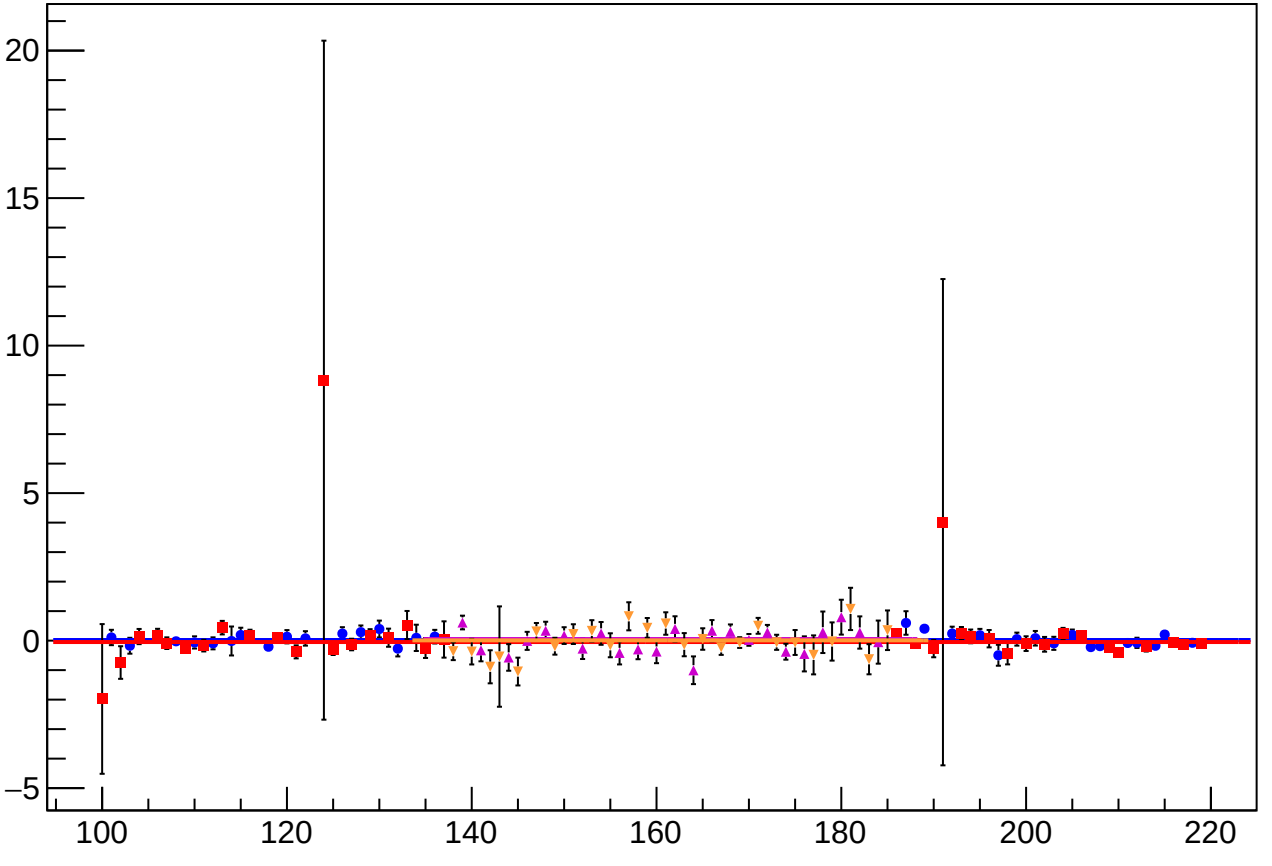
Right: 0.000+/-0.000 χ^2/NDF: 15038545.3/68

In: 0.000+/-0.000 χ^2/NDF:9663706.5/54

Out: 0.000+/-0.000 χ^2/NDF:14361819.7/61

All: 0.000+/-0.000 χ^2/NDF: 24293486.6/116

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

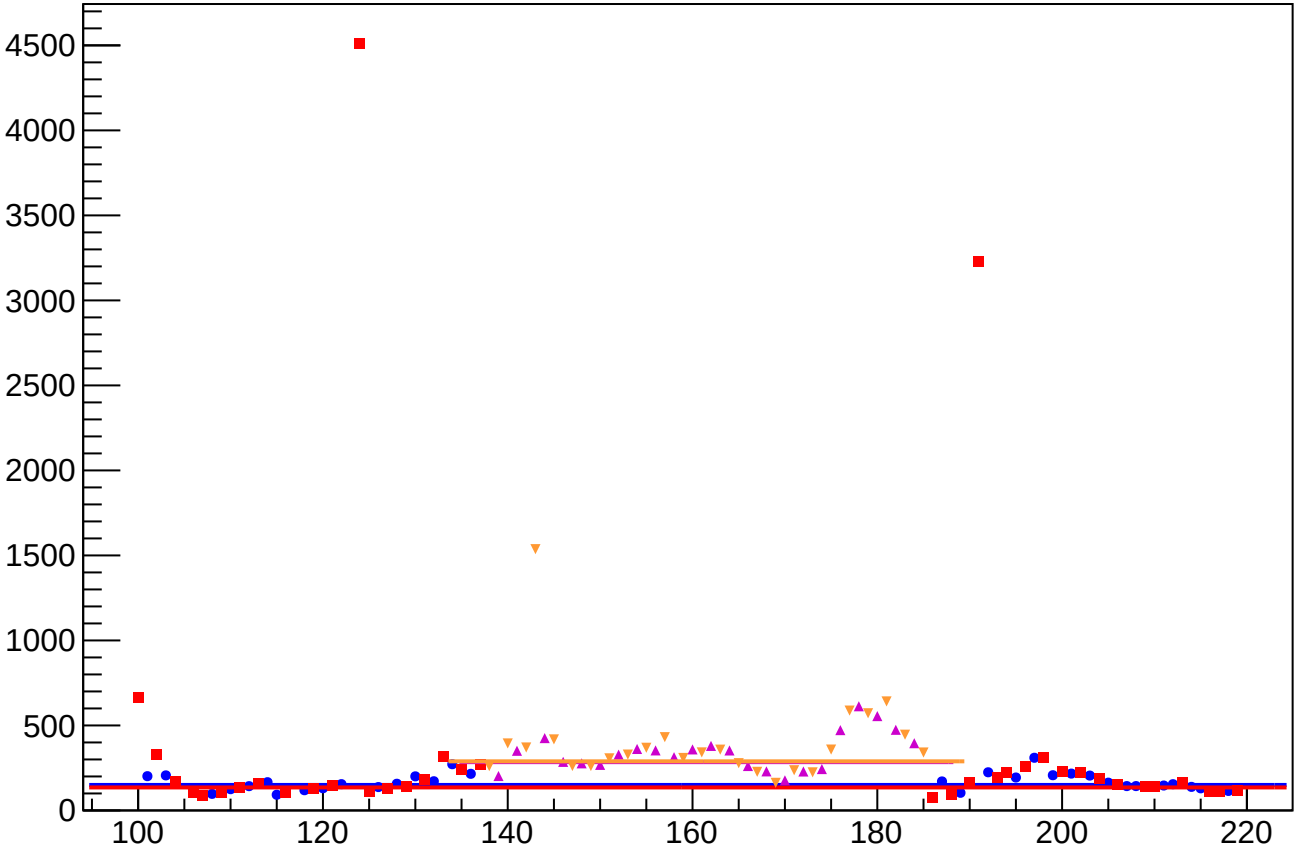
Right: -0.017+/-0.024 χ^2/NDF: 75.5/68

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: -0.008+/-0.021 χ^2/NDF: 133.1/116

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 150.054+/-0.025 χ^2/NDF: 2533590.7/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

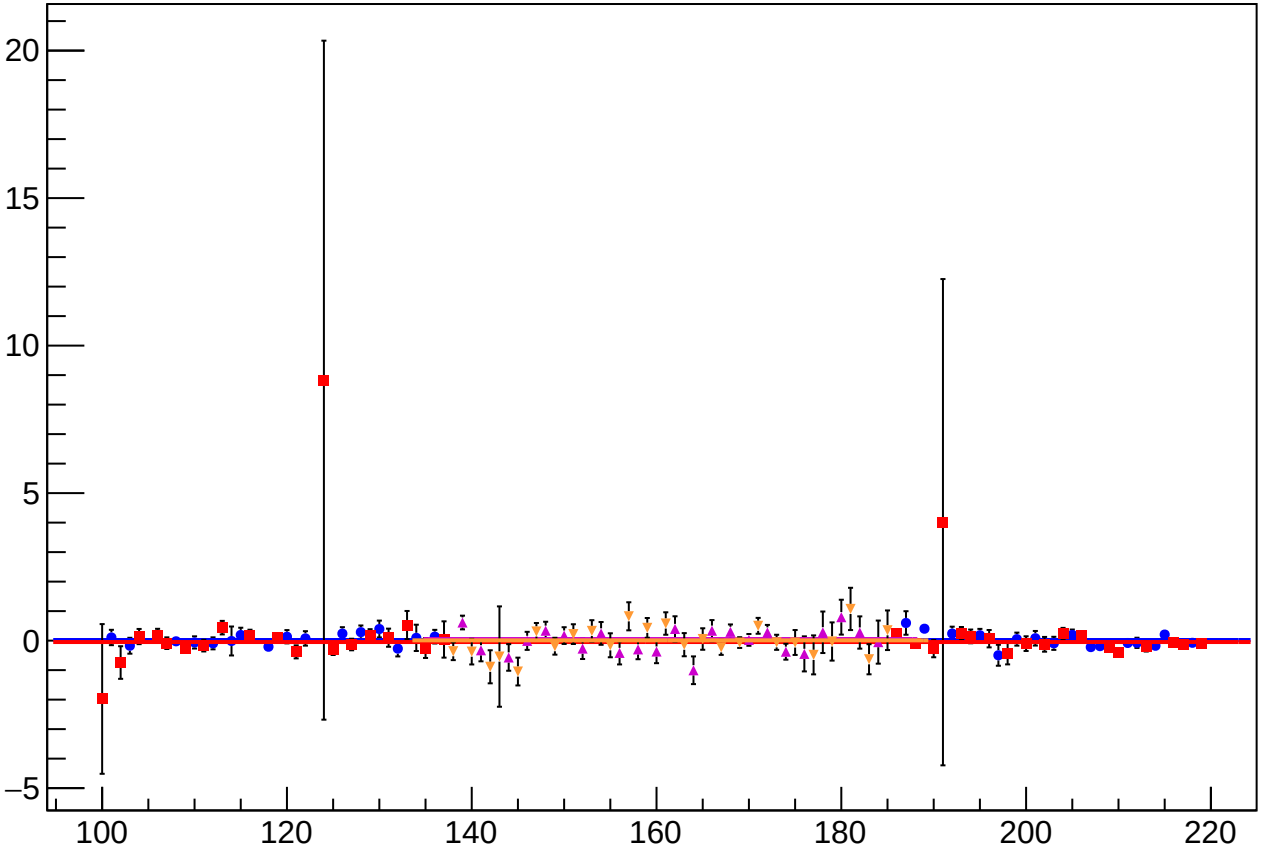
Right: 142.024+/-0.017 χ^2/NDF: 7658501.9/68

In: 176.910+/-0.022 χ^2/NDF:11415134.6/54

Out: 161.411+/-0.021 χ^2/NDF:17347728.5/61

All: 168.587+/-0.015 χ^2/NDF: 29022789.5/1

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

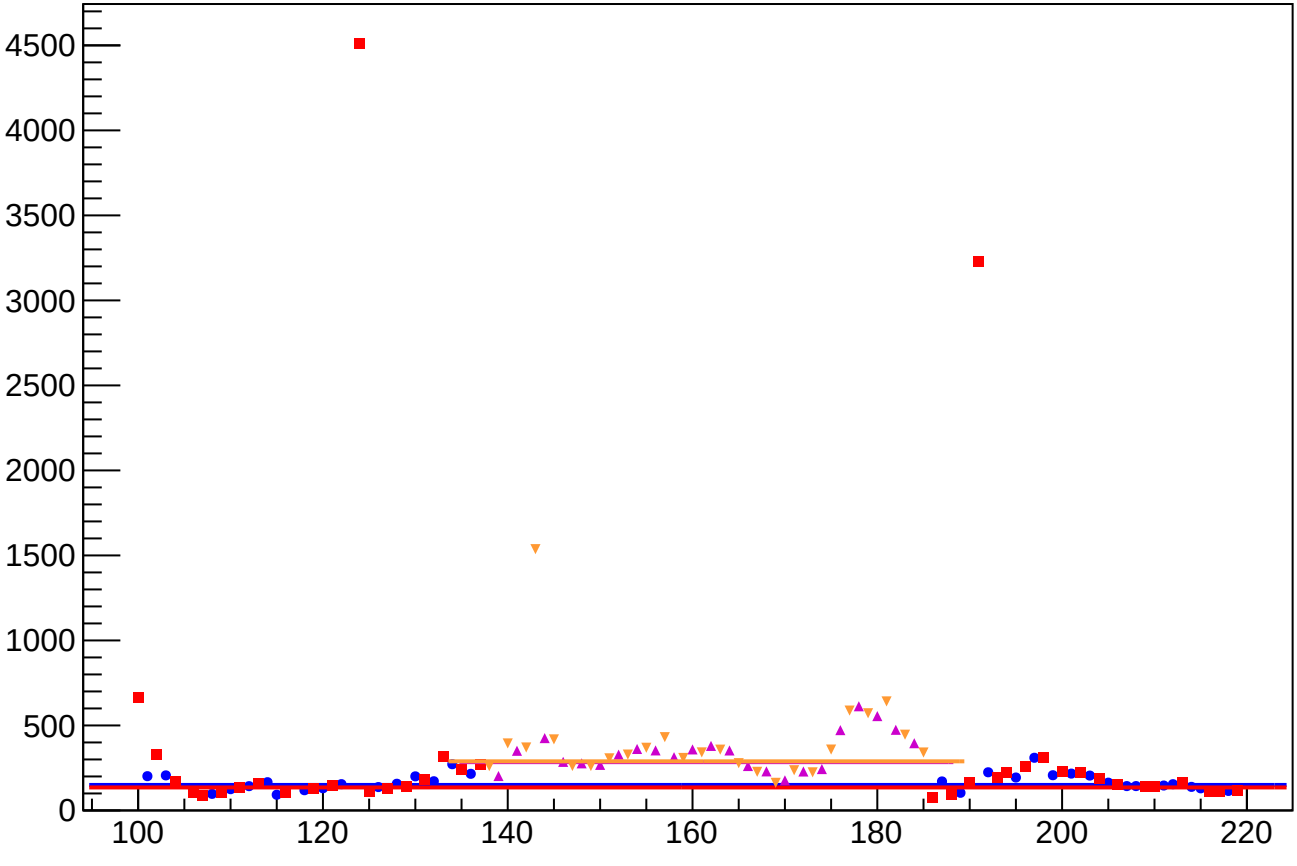
Right: -0.017+/-0.024 χ^2/NDF: 75.5/68

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: -0.008+/-0.021 χ^2/NDF: 133.1/116

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 150.054+/-0.025 χ^2/NDF: 2533590.7/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

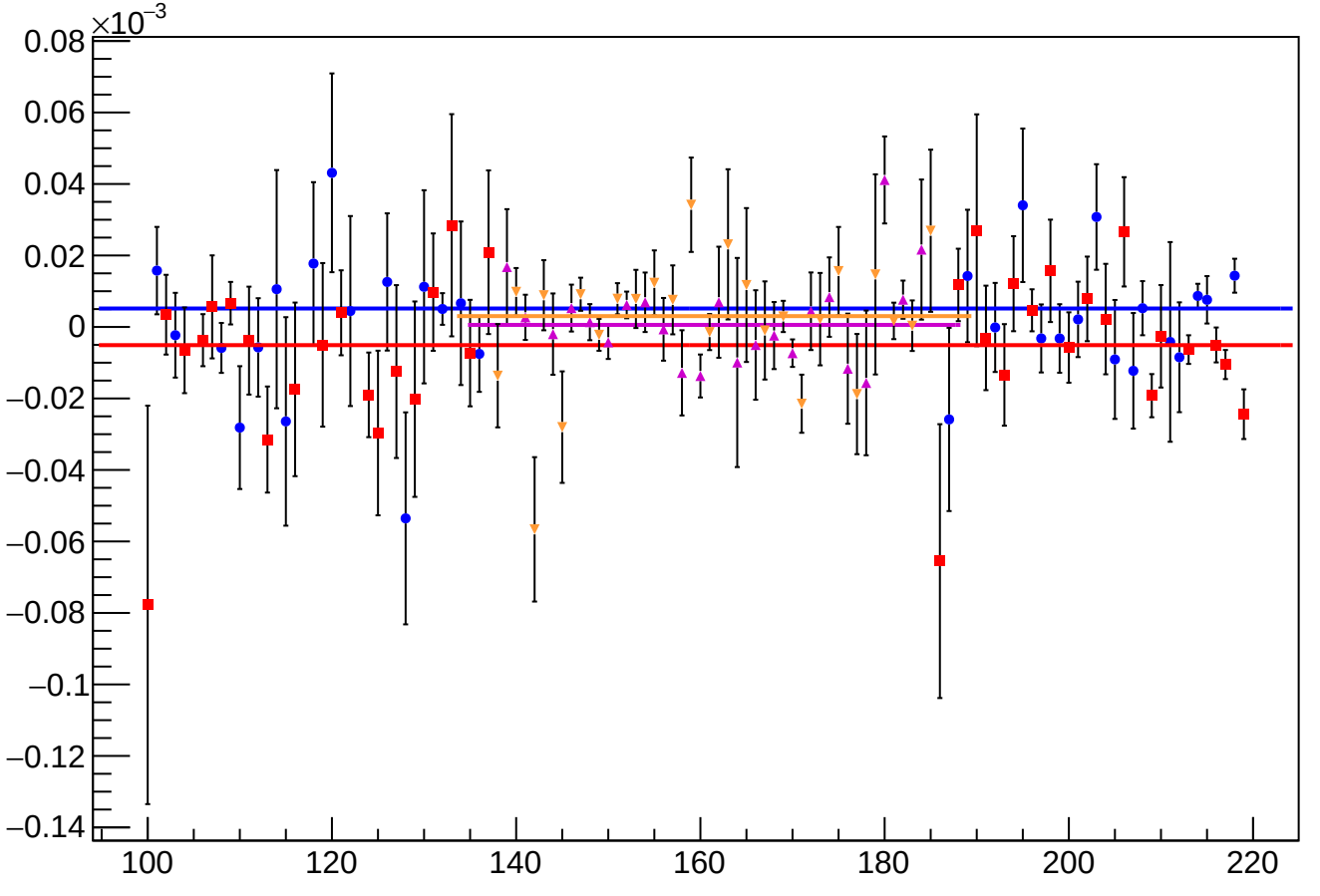
Right: 142.024+/-0.017 χ^2/NDF: 7658501.9/68

In: 176.910+/-0.022 χ^2/NDF:11415134.6/54

Out: 161.411+/-0.021 χ^2/NDF:17347728.5/61

All: 168.587+/-0.015 χ^2/NDF: 29022789.5/1

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 33.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 51.0/36

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

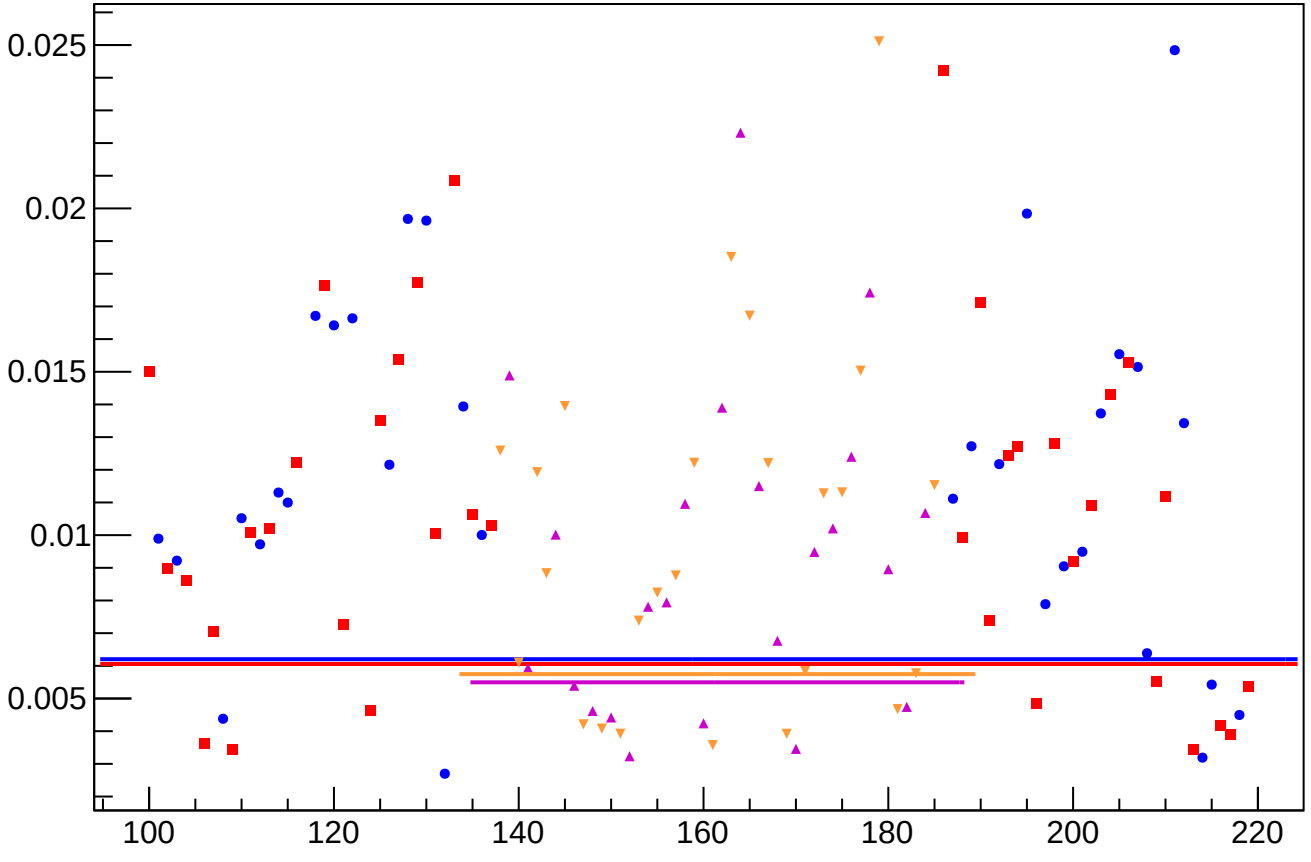
Right: -0.000+/-0.000 χ^2/NDF: 103.9/68

In: 0.000+/-0.000 χ^2/NDF:70.3/54

Out: -0.000+/-0.000 χ^2/NDF:107.1/61

All: 0.000+/-0.000 χ^2/NDF: 182.6/116

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 11616529.9/31

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9867807.7/36

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

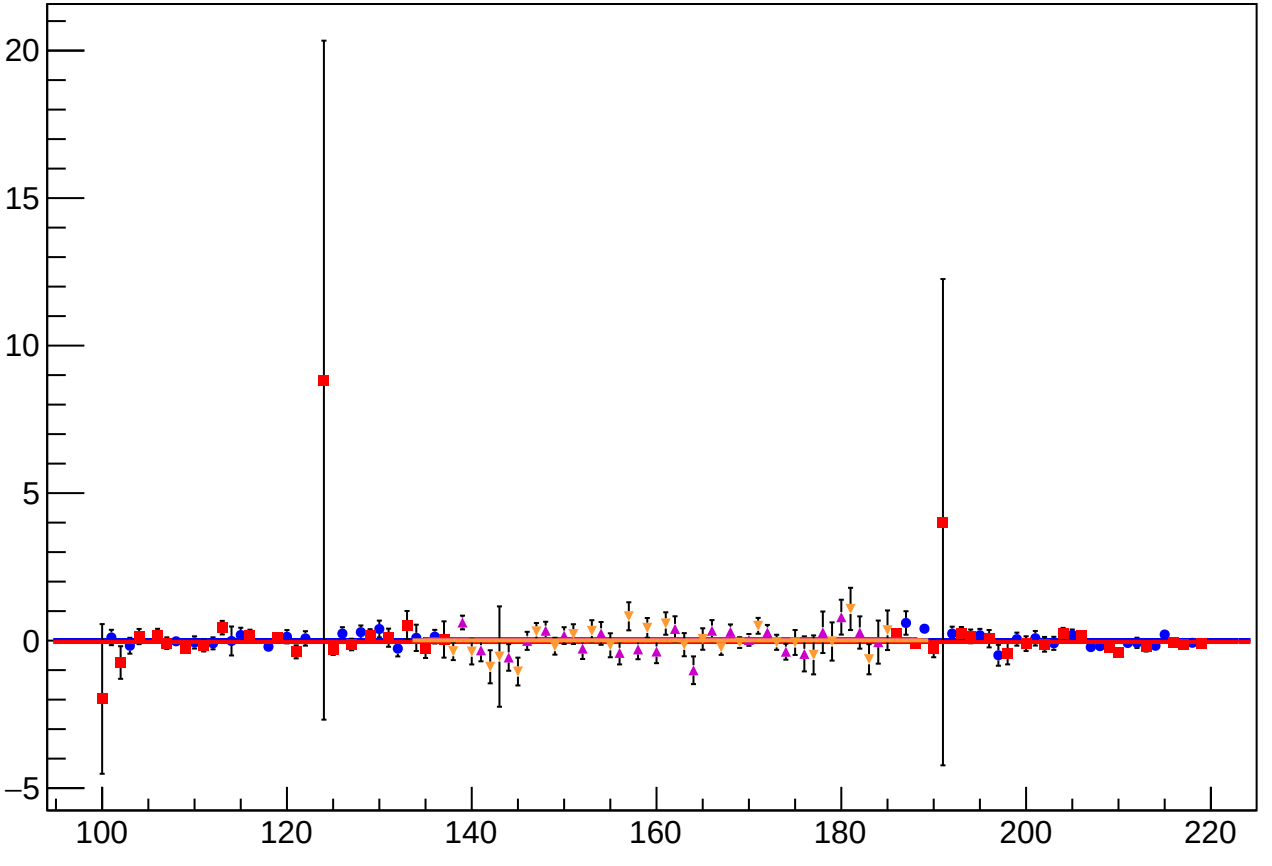
Right: 0.006+/-0.000 χ^2/NDF: 21492545.4/68

In: 0.006+/-0.000 χ^2/NDF:18747539.8/54

Out: 0.006+/-0.000 χ^2/NDF:18036488.4/61

All: 0.006+/-0.000 χ^2/NDF: 36790283.9/116

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

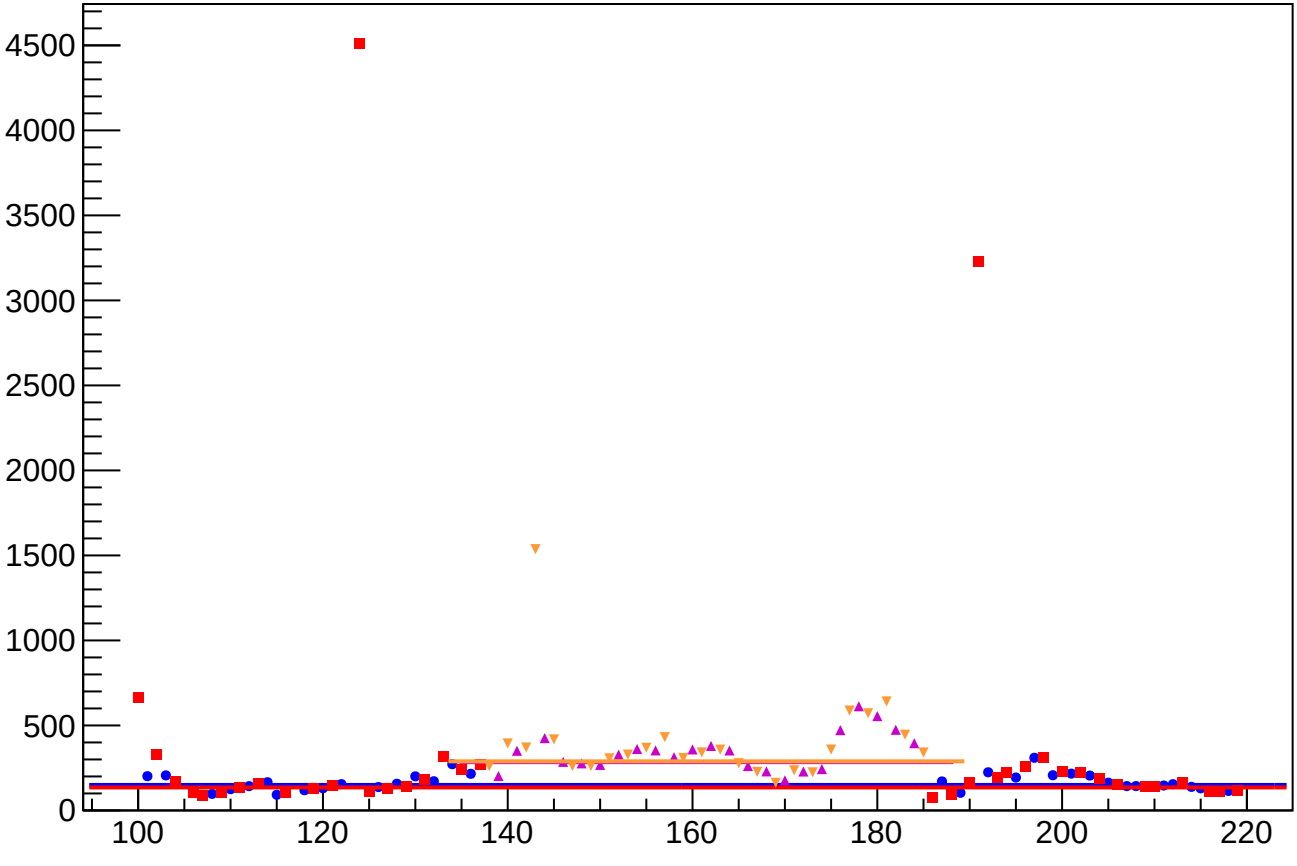
Right: -0.017+/-0.024 χ^2/NDF: 75.5/68

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: -0.008+/-0.021 χ^2/NDF: 133.1/116

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 150.055+/-0.025 χ^2/NDF: 2533574.0/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

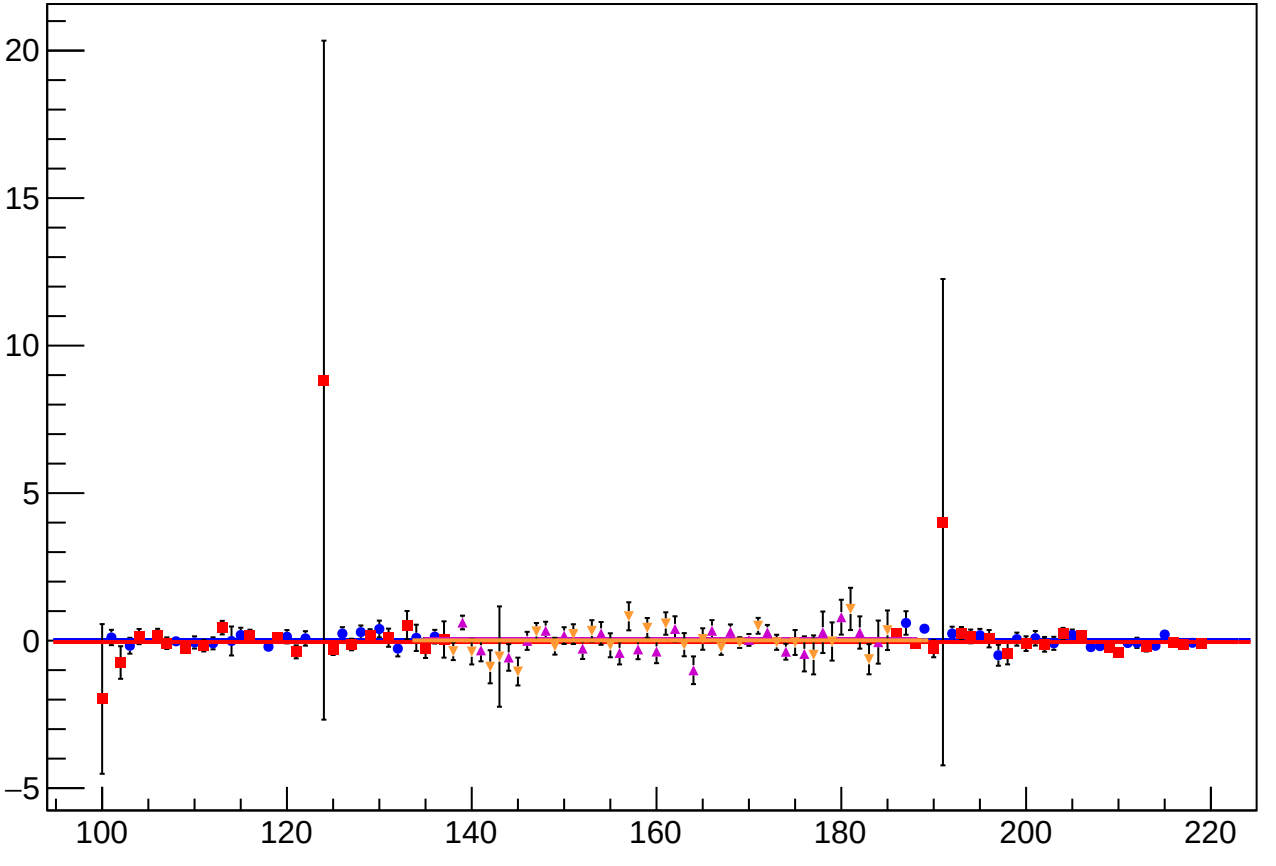
Right: 142.025+/-0.017 χ^2/NDF: 7658271.5/68

In: 176.911+/-0.022 χ^2/NDF:11415237.9/54

Out: 161.413+/-0.021 χ^2/NDF:17347503.1/61

All: 168.589+/-0.015 χ^2/NDF: 29022619.8/11

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

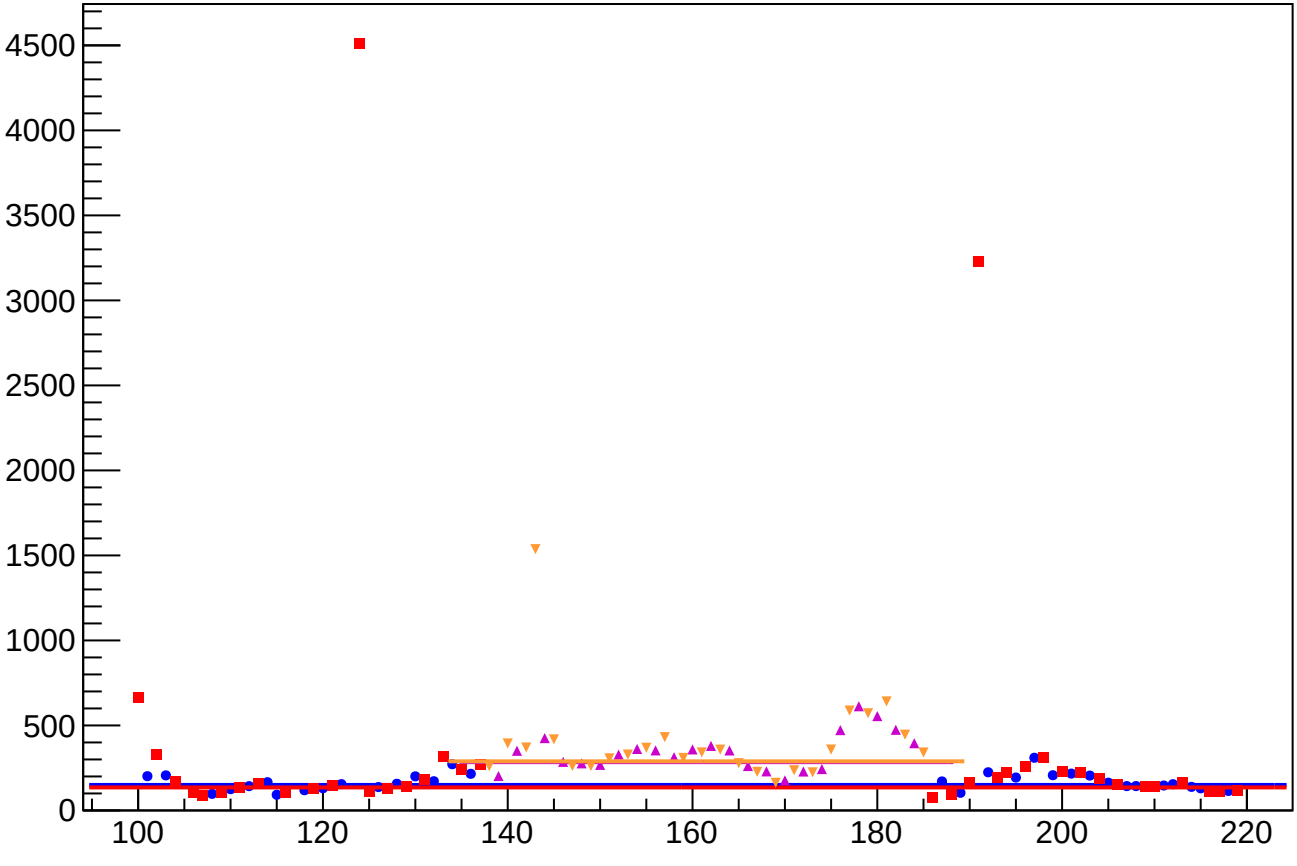
Right: -0.017+/-0.024 χ^2/NDF: 75.5/68

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: -0.008+/-0.021 χ^2/NDF: 133.1/116

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 150.055+/-0.025 χ^2/NDF: 2533574.0/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

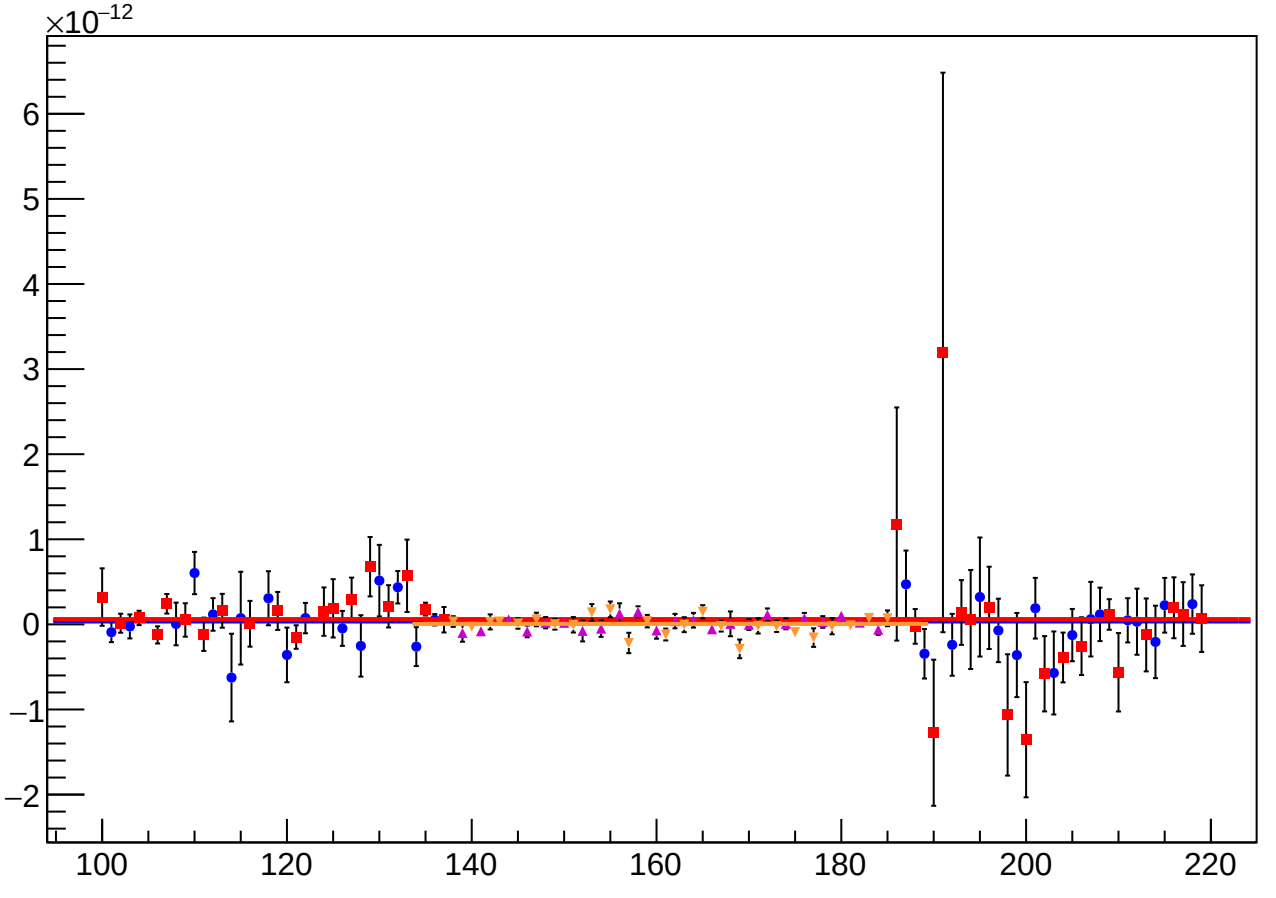
Right: 142.025+/-0.017 χ^2/NDF: 7658271.5/68

In: 176.911+/-0.022 χ^2/NDF:11415237.9/54

Out: 161.413+/-0.021 χ^2/NDF:17347503.1/61

All: 168.589+/-0.015 χ^2/NDF: 29022619.8/11

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: 26.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.5/36

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

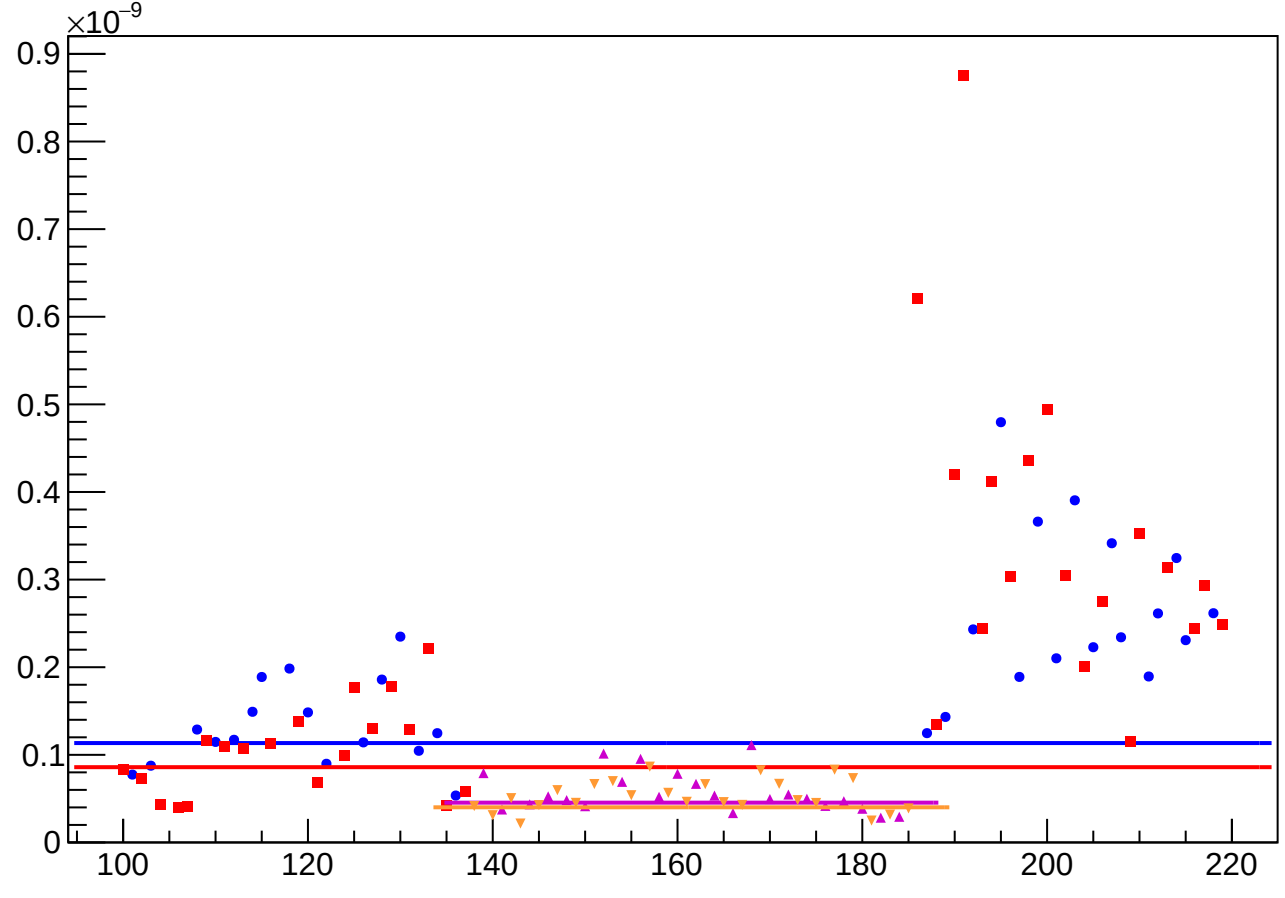
Right: 0.000+/-0.000 χ^2/NDF: 64.3/68

In: 0.000+/-0.000 χ^2/NDF:49.9/54

Out: 0.000+/-0.000 χ^2/NDF:74.4/61

All: 0.000+/-0.000 χ^2/NDF: 124.4/116

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7264038.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10373466.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

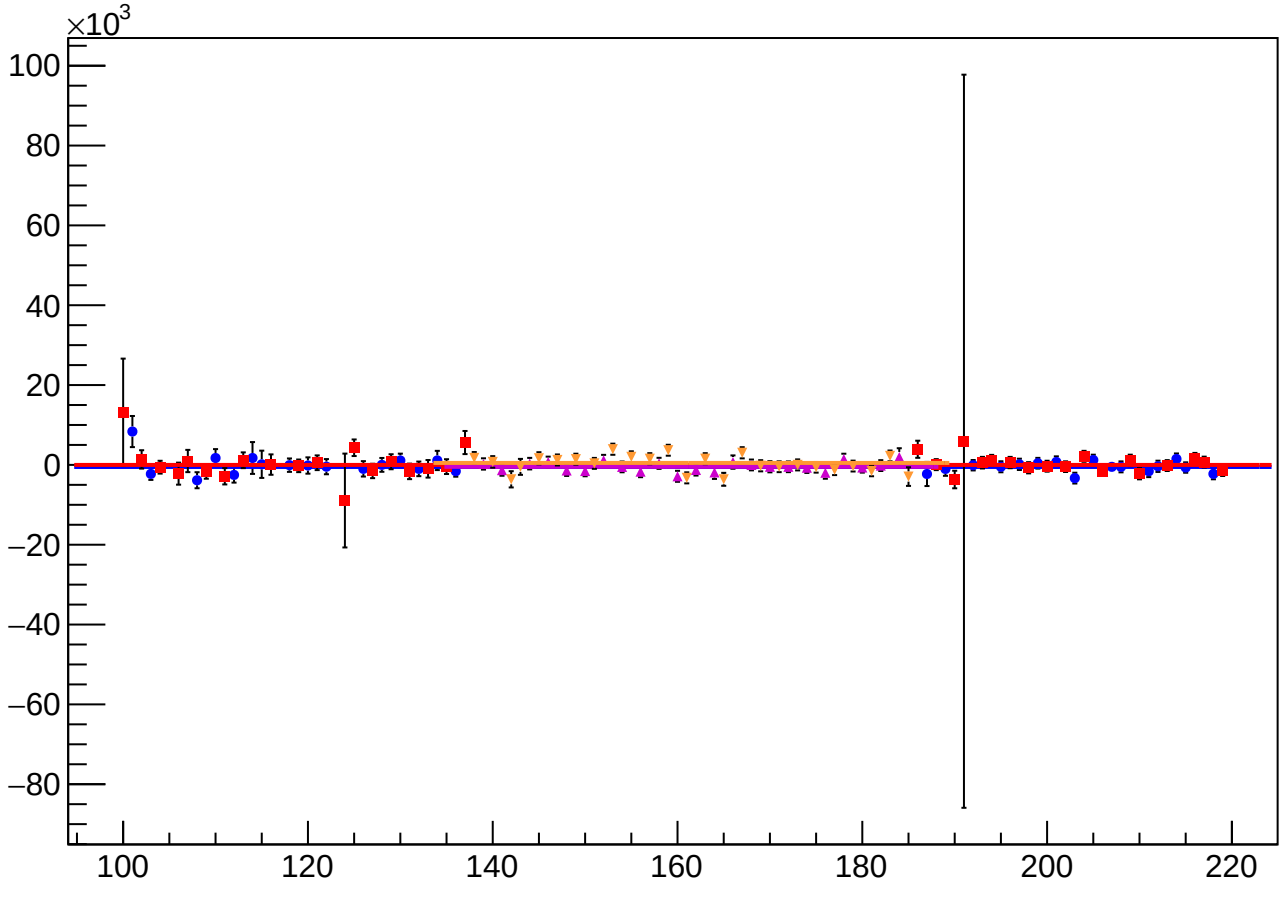
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18241713.1/68

In: 0.000+/-0.000 χ^2/NDF:15555334.9/54

Out: 0.000+/-0.000 χ^2/NDF:17587192.4/61

All: 0.000+/-0.000 χ^2/NDF: 33465162.9/116



Right In: -518.956+/-286.661 χ^2/NDF: 26.2/31

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -10.411+/-281.970 χ^2/NDF: 33.5/36

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

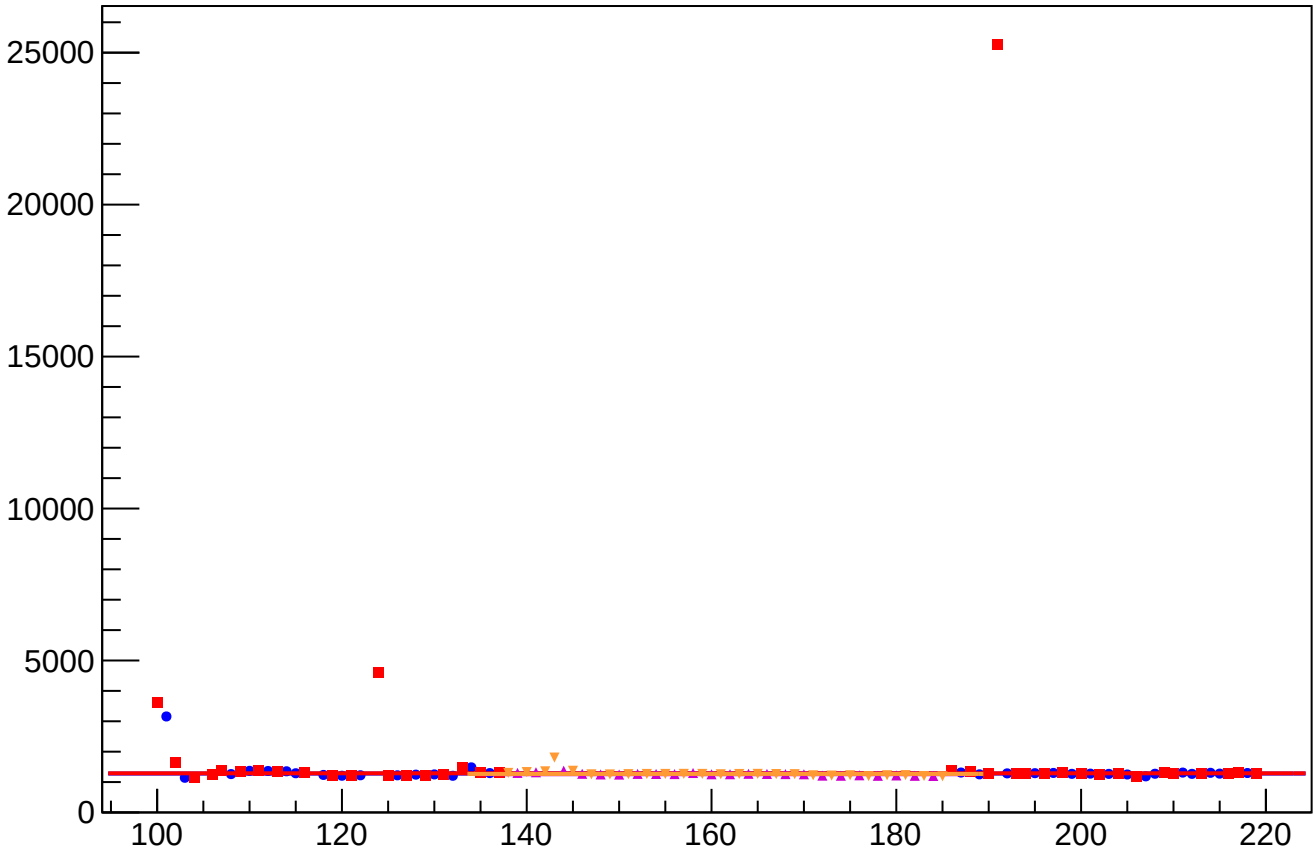
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -260.488+/-201.021 χ^2/NDF: 61.3/68

In: -503.282+/-205.167 χ^2/NDF:40.6/54

Out: 235.079+/-201.650 χ^2/NDF:81.9/61

All: -127.719+/-143.816 χ^2/NDF: 129.1/116



Right In: 1279.520+/-0.203 χ^2/NDF: 530618.1/31

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.492+/-0.199 χ^2/NDF: 483574.3/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

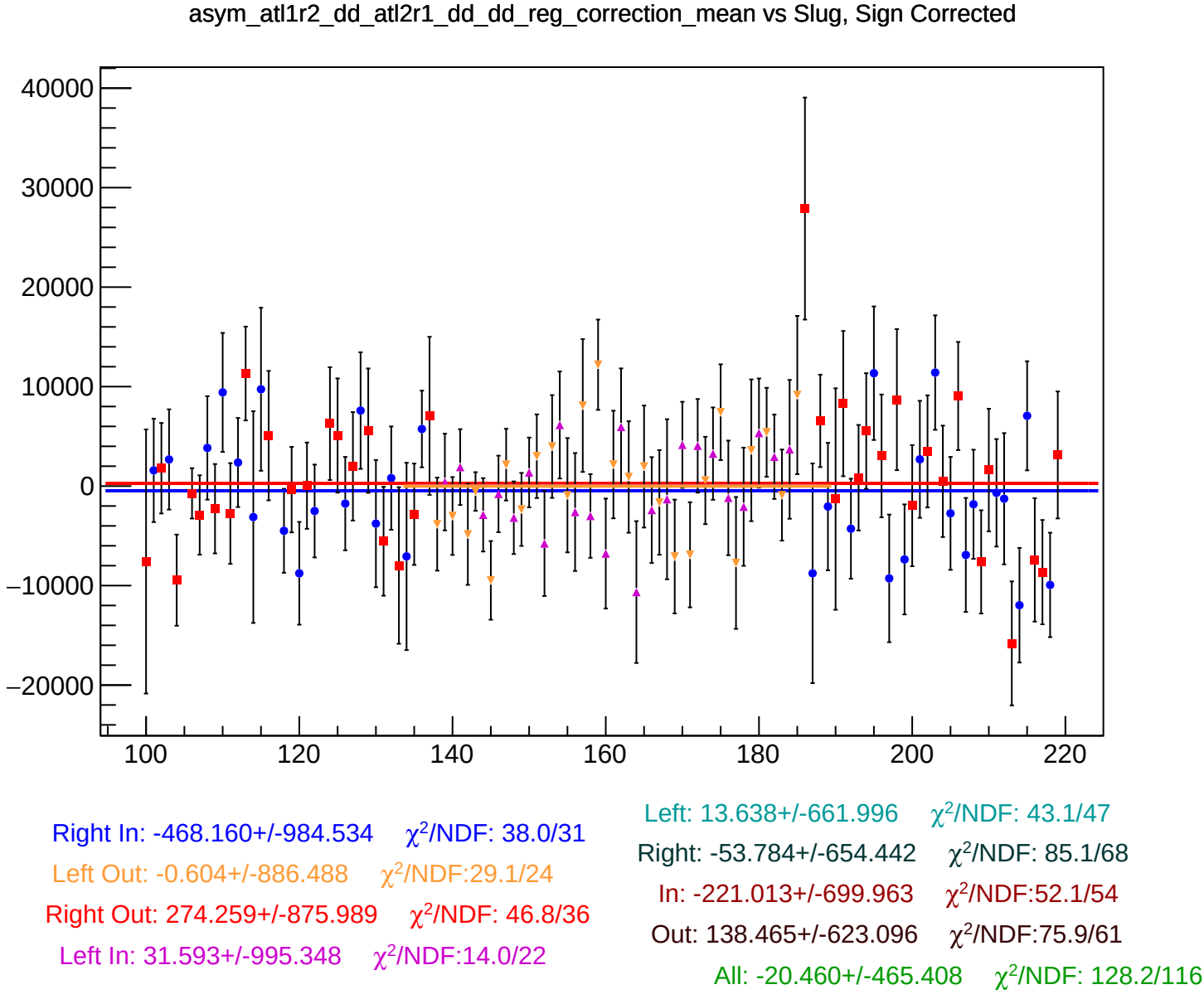
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

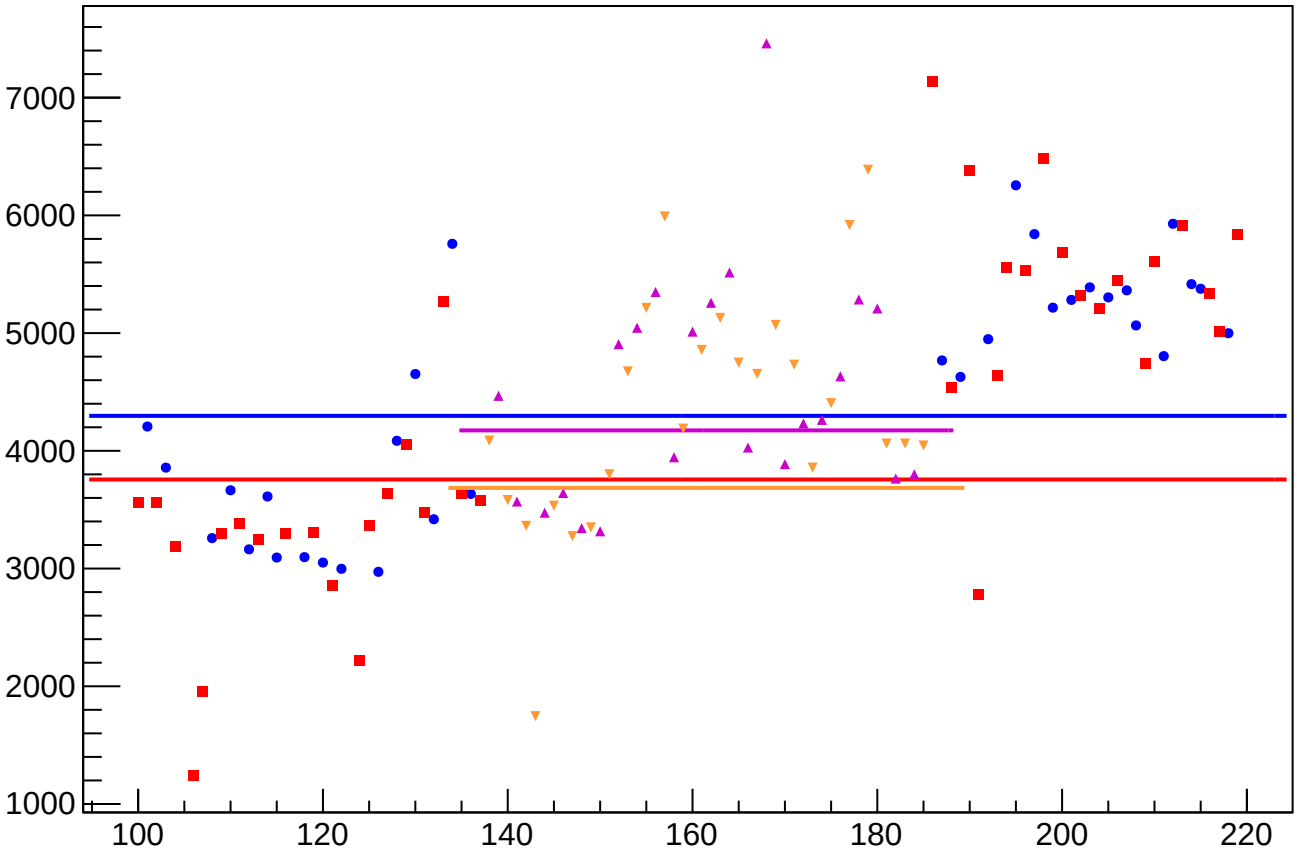
Right: 1284.084+/-0.142 χ^2/NDF: 1015189.0/68

In: 1268.805+/-0.145 χ^2/NDF:573163.6/54

Out: 1277.985+/-0.143 χ^2/NDF:676818.5/61

All: 1273.476+/-0.102 χ^2/NDF: 1252019.9/11


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -468.160+/-984.534 χ²/NDF: 38.0/31
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: 274.259+/-875.989 χ²/NDF: 46.8/36
Left In: 31.593+/-995.348 χ²/NDF:14.0/22
Left: 13.638+/-661.996 χ²/NDF: 43.1/47
Right: -53.784+/-654.442 χ²/NDF: 85.1/68
In: -221.013+/-699.963 χ²/NDF:52.1/54
Out: 138.465+/-623.096 χ²/NDF:75.9/61
All: -20.460+/-465.408 χ²/NDF: 128.2/116



Right In: 4297.027+/-0.696 χ^2/NDF: 2076361.0/31

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3756.437+/-0.619 χ^2/NDF: 5567877.2/36

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

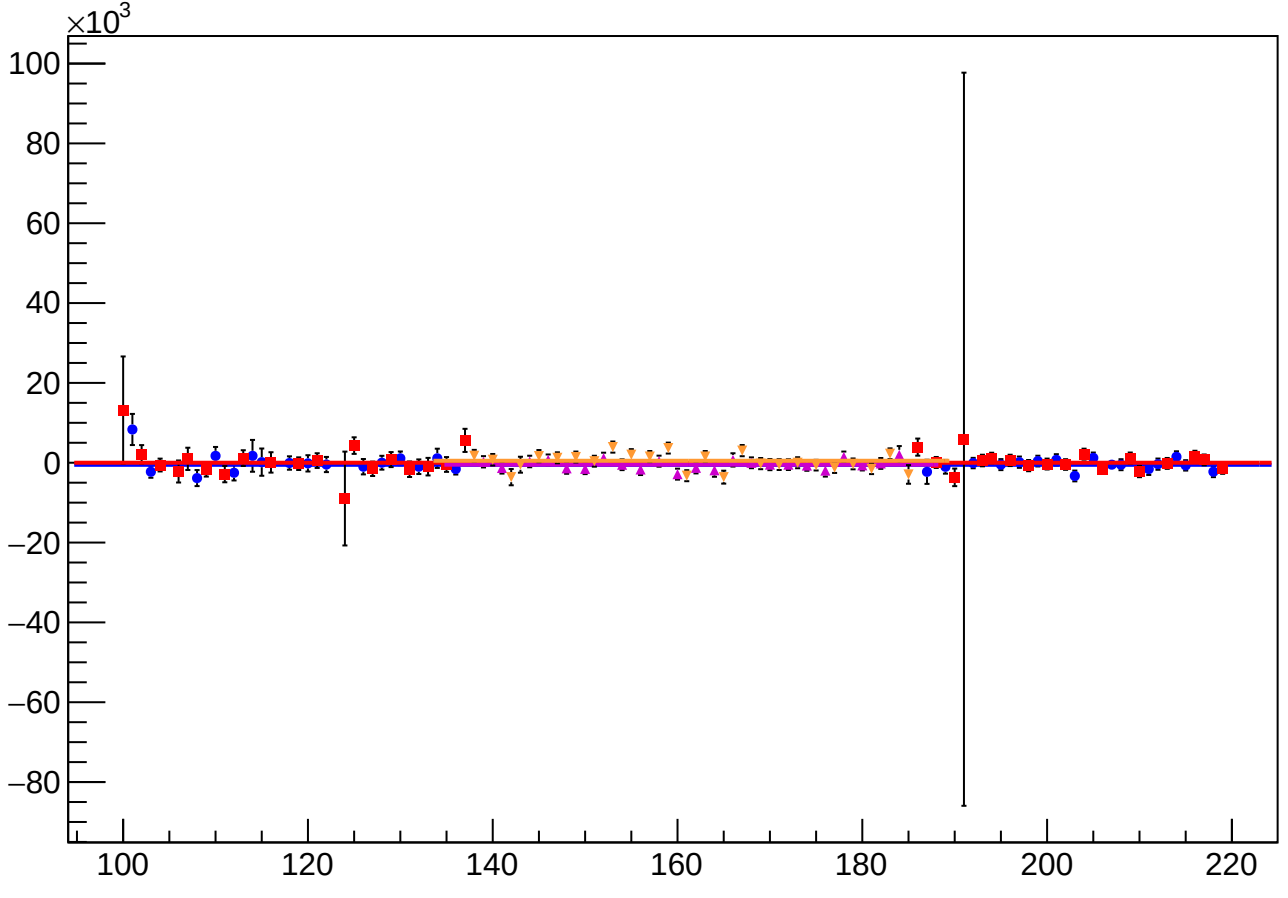
Right: 3995.300+/-0.463 χ^2/NDF: 7980789.0/68

In: 4235.966+/-0.495 χ^2/NDF:3366885.3/54

Out: 3721.030+/-0.441 χ^2/NDF:9268137.7/61

All: 3948.682+/-0.329 χ^2/NDF: 13238895.4/1

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -519.082+/-286.661 χ^2/NDF: 26.2/31

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

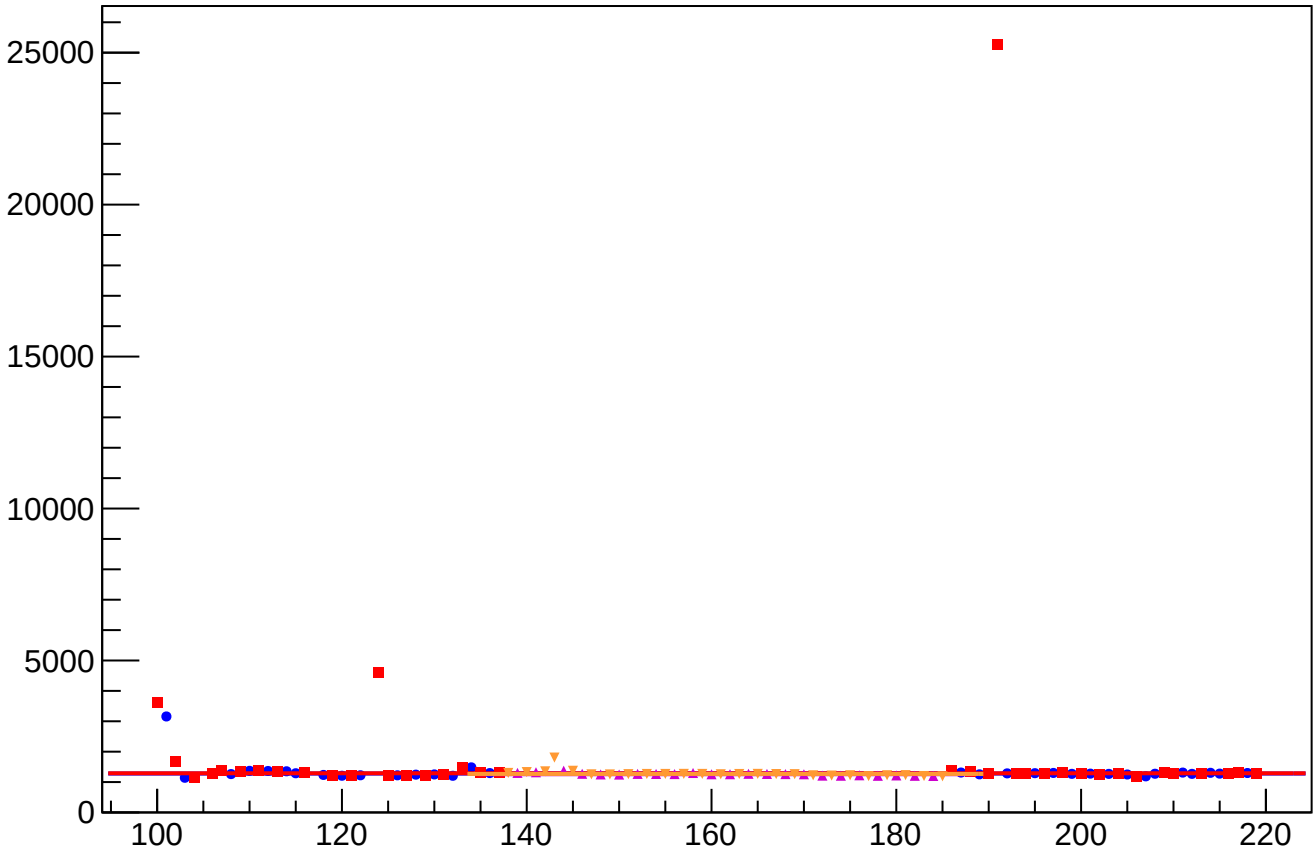
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -255.683+/-201.044 χ^2/NDF: 61.8/68

In: -503.297+/-205.167 χ^2/NDF:40.6/54

Out: 240.098+/-201.673 χ^2/NDF:82.3/61

All: -125.216+/-143.824 χ^2/NDF: 129.6/116



Right In: 1279.520+/-0.203 χ^2/NDF: 530619.5/31

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

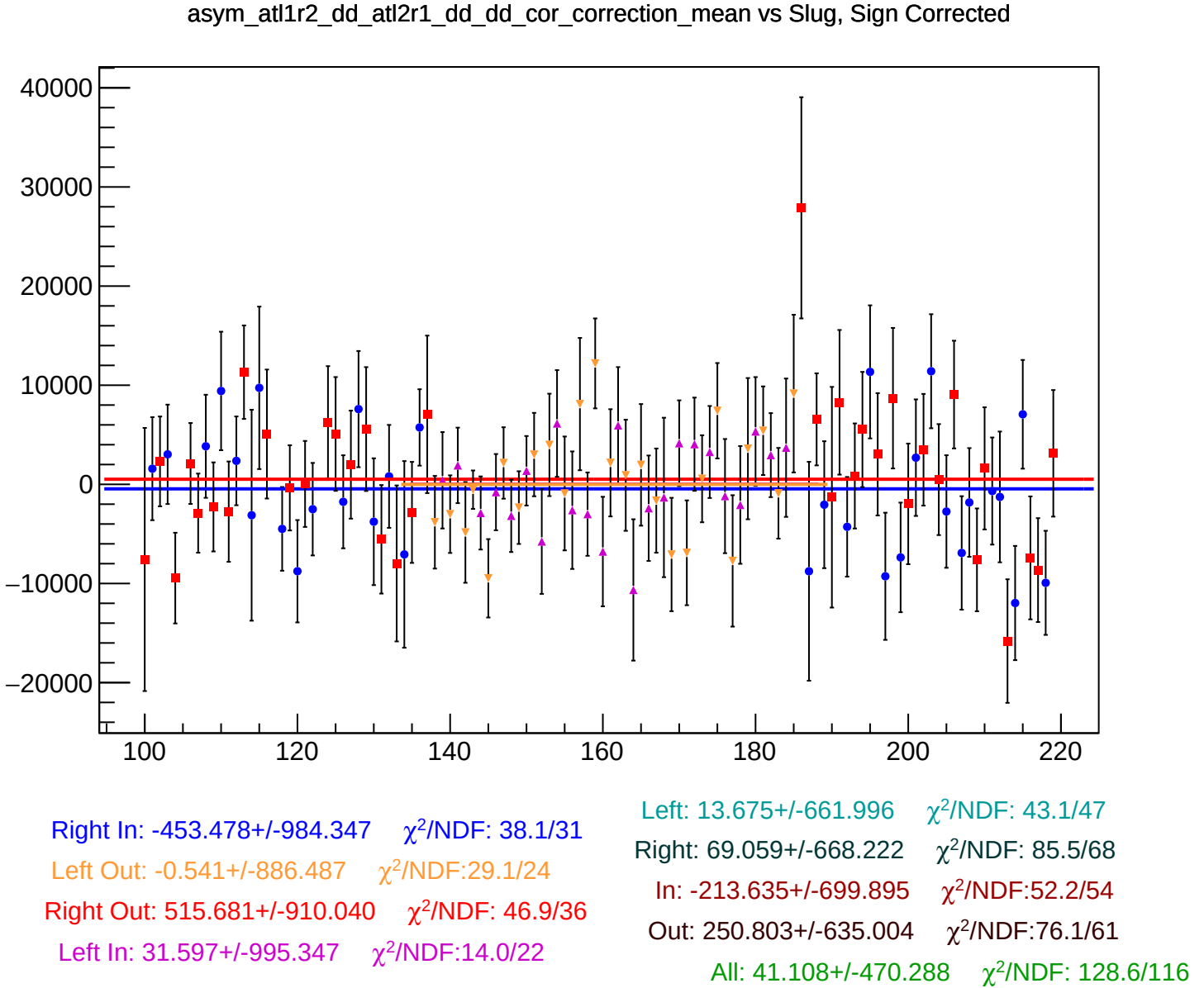
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

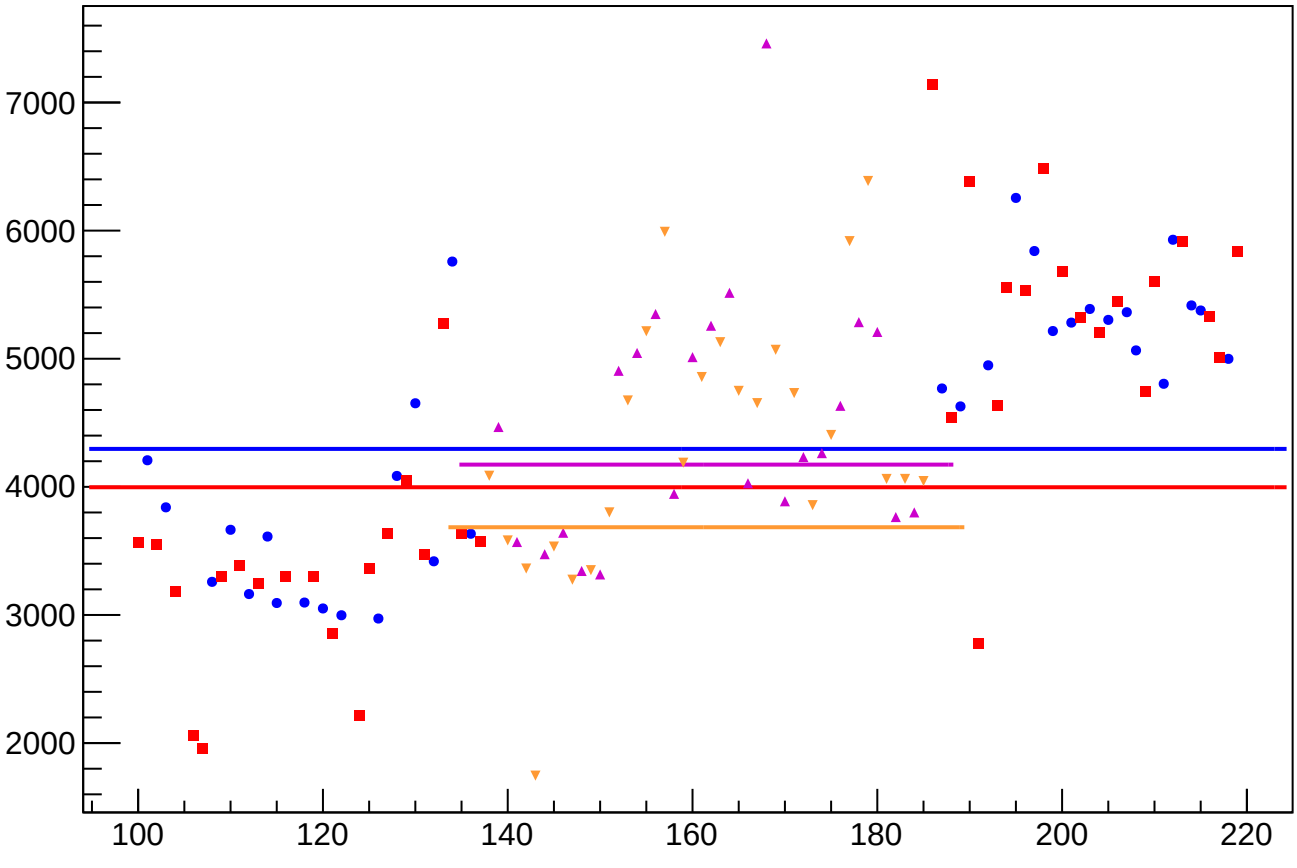
Right: 1284.422+/-0.142 χ^2/NDF: 1022245.2/68

In: 1268.805+/-0.145 χ^2/NDF:573165.0/54

Out: 1278.322+/-0.143 χ^2/NDF:684076.7/61

All: 1273.647+/-0.102 χ^2/NDF: 1259431.4/11


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -453.478+/-984.347 χ²/NDF: 38.1/31
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 515.681+/-910.040 χ²/NDF: 46.9/36
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 69.059+/-668.222 χ²/NDF: 85.5/68
In: -213.635+/-699.895 χ²/NDF:52.2/54
Out: 250.803+/-635.004 χ²/NDF:76.1/61
All: 41.108+/-470.288 χ²/NDF: 128.6/116



Right In: 4296.223+/-0.696 χ^2/NDF: 2077743.5/31

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

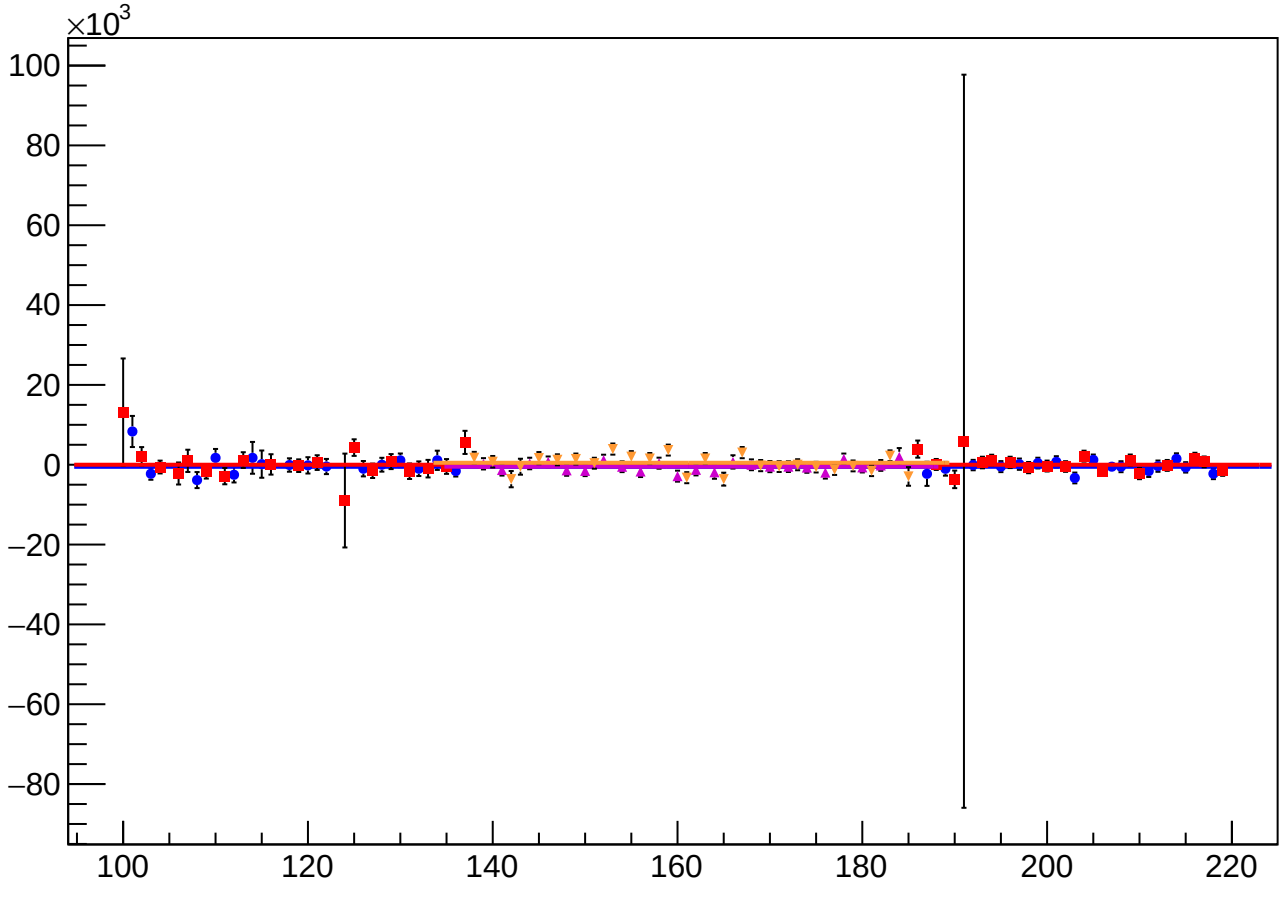
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4134.824+/-0.473 χ^2/NDF: 5974695.2/68

In: 4235.568+/-0.495 χ^2/NDF:3368069.4/54

Out: 3836.726+/-0.449 χ^2/NDF:7611620.2/61

All: 4016.805+/-0.333 χ^2/NDF: 11335926.5/1



Right In: -519.082+/-286.661 χ^2/NDF: 26.2/31

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

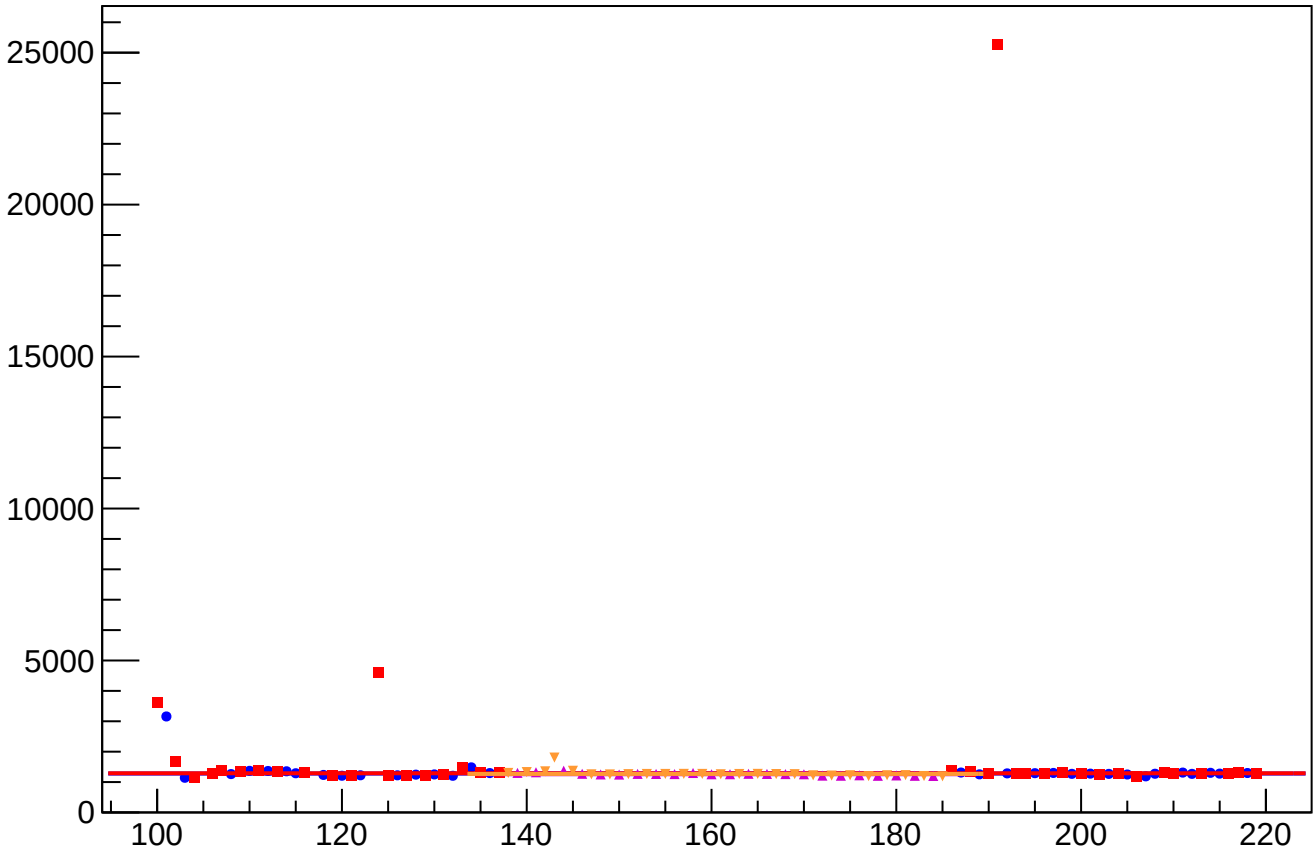
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -255.683+/-201.044 χ^2/NDF: 61.8/68

In: -503.297+/-205.167 χ^2/NDF:40.6/54

Out: 240.098+/-201.673 χ^2/NDF:82.3/61

All: -125.216+/-143.824 χ^2/NDF: 129.6/116



Right In: 1279.520+/-0.203 χ^2/NDF: 530619.5/31

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

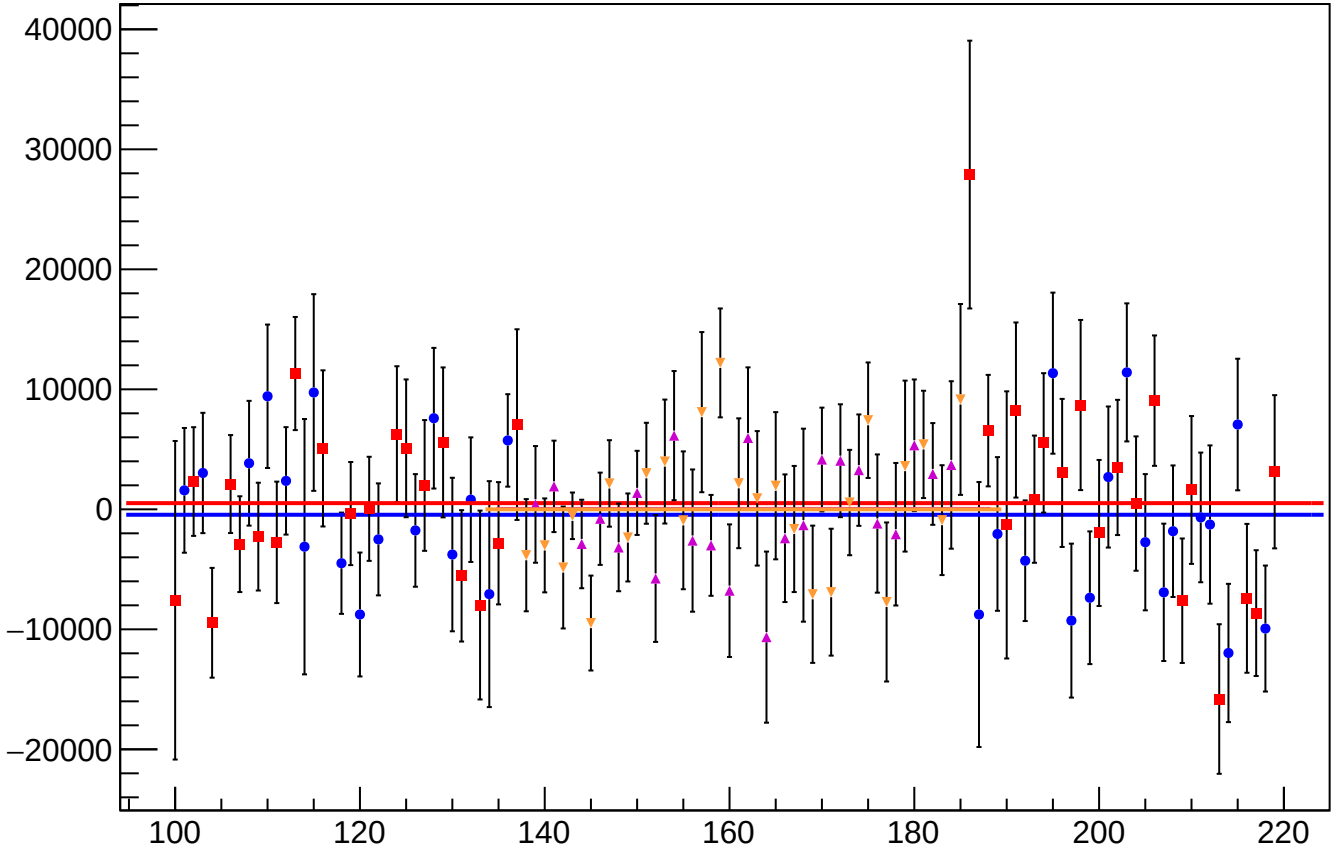
Right: 1284.422+/-0.142 χ^2/NDF: 1022245.2/68

In: 1268.805+/-0.145 χ^2/NDF:573165.0/54

Out: 1278.322+/-0.143 χ^2/NDF:684076.7/61

All: 1273.647+/-0.102 χ^2/NDF: 1259431.4/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -453.478+/-984.347 χ^2/NDF: 38.1/31

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

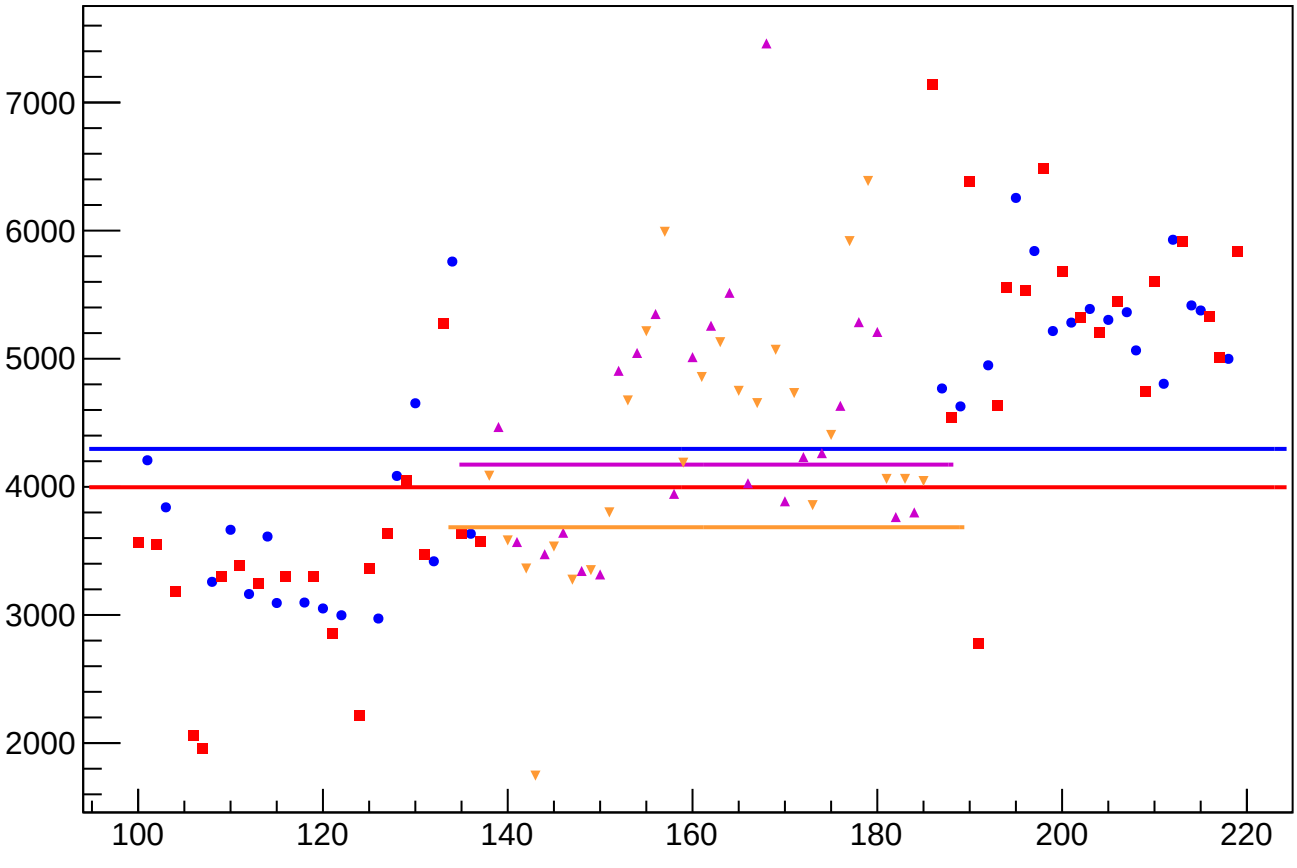
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 69.059+/-668.222 χ^2/NDF: 85.5/68

In: -213.635+/-699.895 χ^2/NDF:52.2/54

Out: 250.803+/-635.004 χ^2/NDF:76.1/61

All: 41.108+/-470.288 χ^2/NDF: 128.6/116



Right In: 4296.223+/-0.696 χ^2/NDF: 2077743.5/31

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

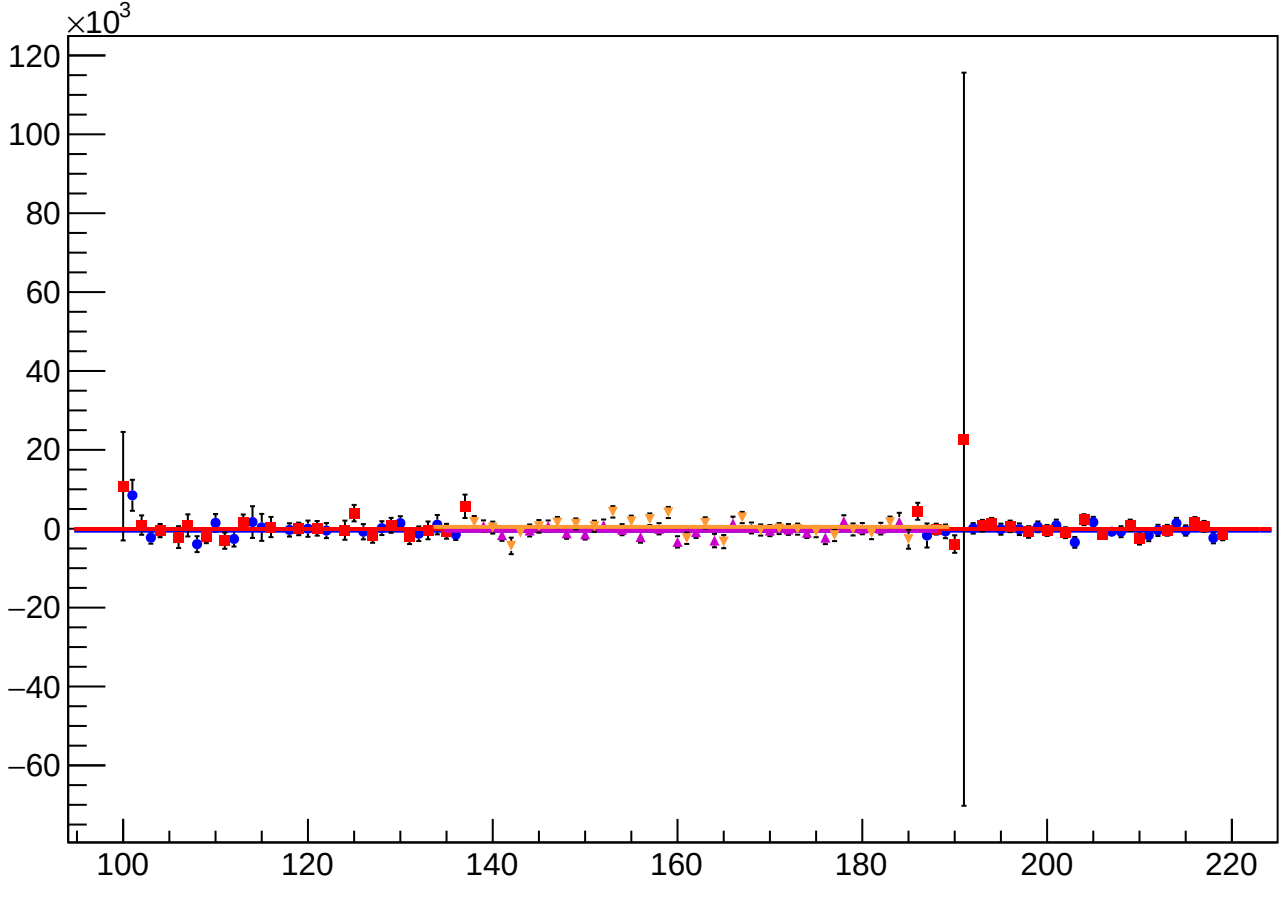
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4134.824+/-0.473 χ^2/NDF: 5974695.2/68

In: 4235.568+/-0.495 χ^2/NDF:3368069.4/54

Out: 3836.726+/-0.449 χ^2/NDF:7611620.2/61

All: 4016.805+/-0.333 χ^2/NDF: 11335926.5/1



Right In: -490.252+/-290.193 χ^2/NDF: 27.5/31

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -66.239+/-284.065 χ^2/NDF: 35.1/36

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

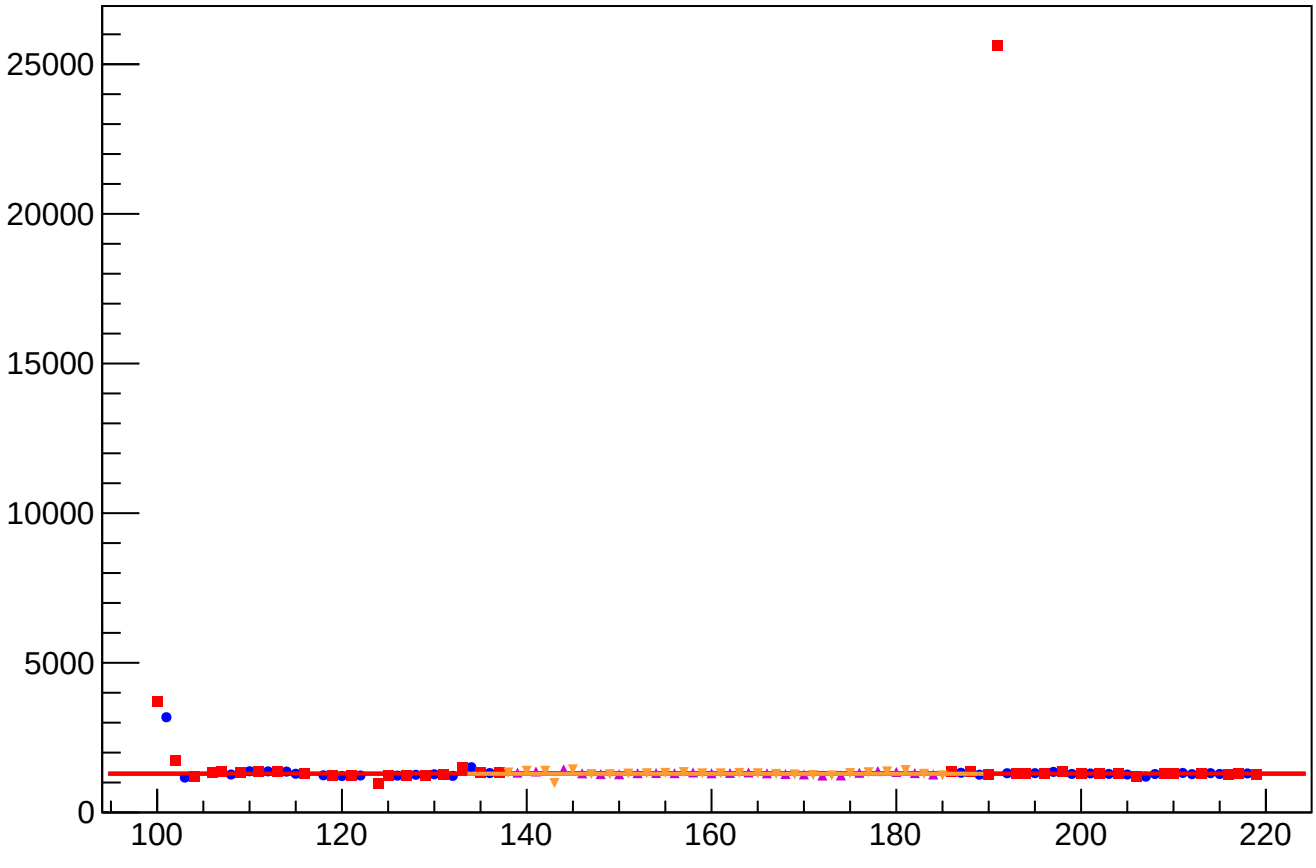
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -273.721+/-202.996 χ^2/NDF: 63.8/68

In: -496.530+/-210.907 χ^2/NDF:45.0/54

Out: 191.434+/-204.372 χ^2/NDF:81.0/61

All: -141.725+/-146.769 χ^2/NDF: 131.4/116



Right In: 1295.181+/-0.205 χ^2/NDF: 530283.4/31

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.2/36

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

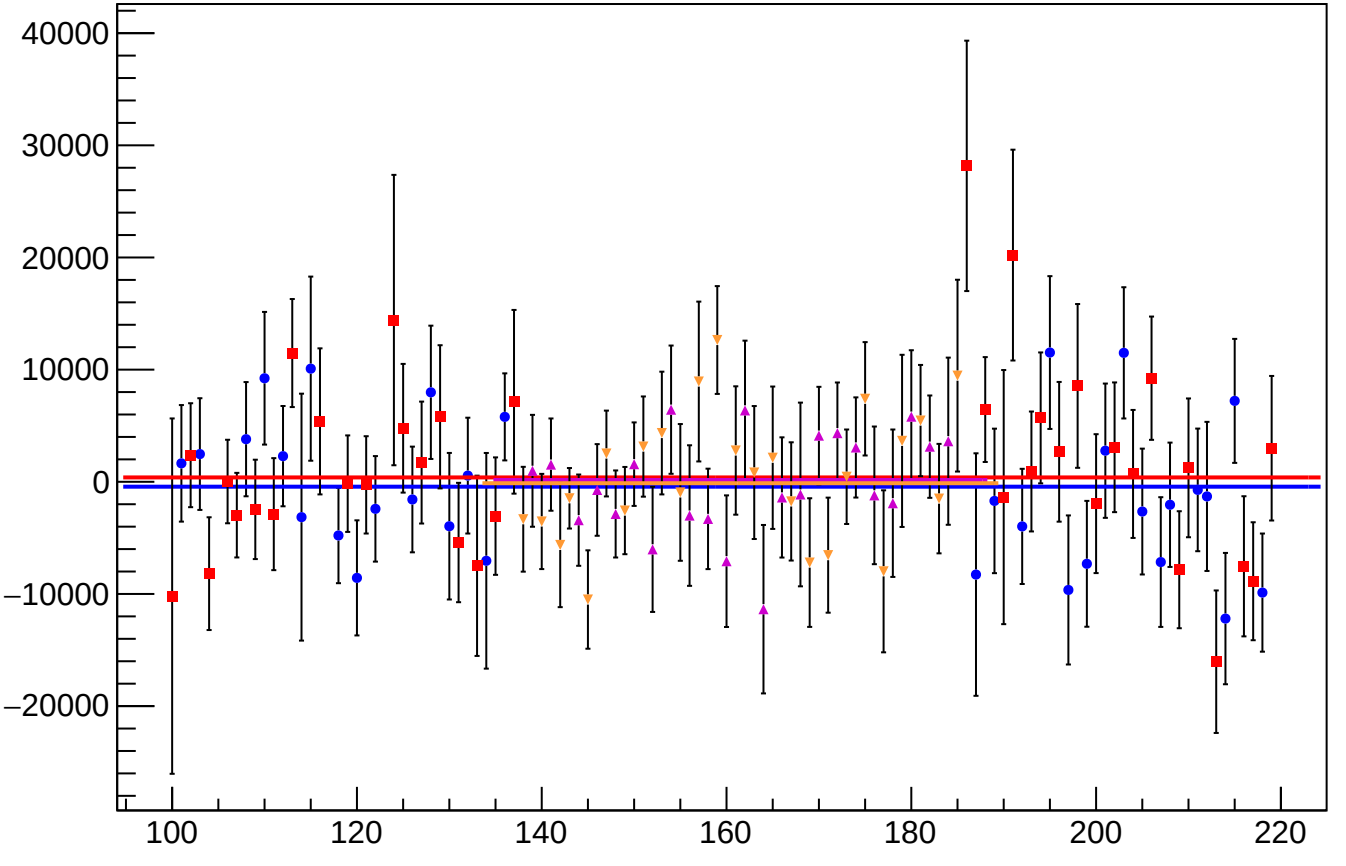
Right: 1297.411+/-0.144 χ^2/NDF: 909948.9/68

In: 1304.062+/-0.149 χ^2/NDF:577298.7/54

Out: 1295.527+/-0.144 χ^2/NDF:611000.4/61

All: 1299.660+/-0.104 χ^2/NDF: 1189988.8/11

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -435.912+/-990.415 χ^2/NDF: 37.9/31

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 389.692+/-924.704 χ^2/NDF: 48.5/36

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

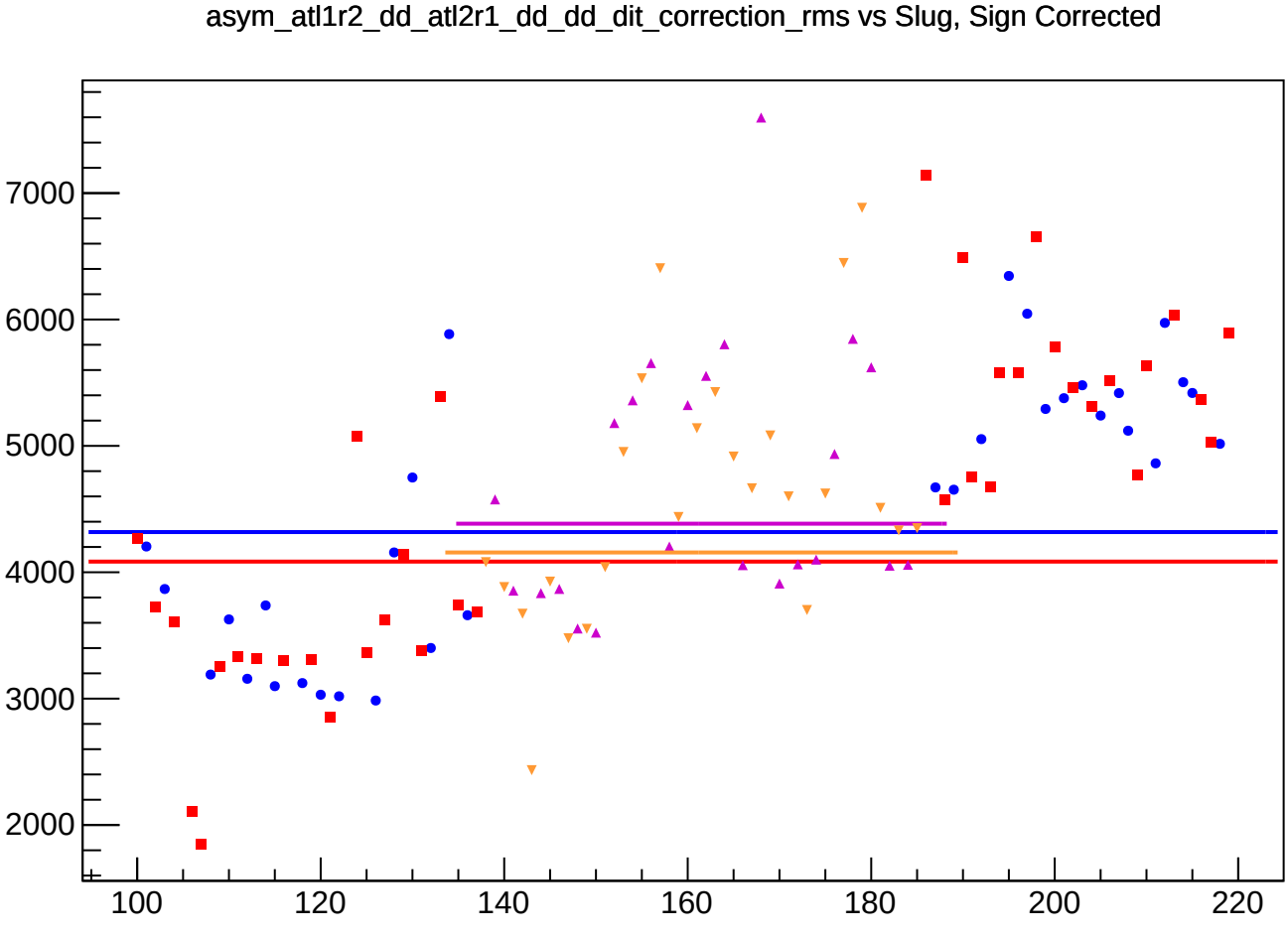
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 5.185+/-675.902 χ^2/NDF: 86.7/68

In: -154.329+/-719.018 χ^2/NDF:51.8/54

Out: 145.476+/-671.666 χ^2/NDF:77.2/61

All: 5.770+/-490.827 χ^2/NDF: 129.1/116



Right In: 4318.059+/-0.700 χ^2/NDF: 2178483.2/31

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 4084.304+/-0.654 χ^2/NDF: 3814574.7/36

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

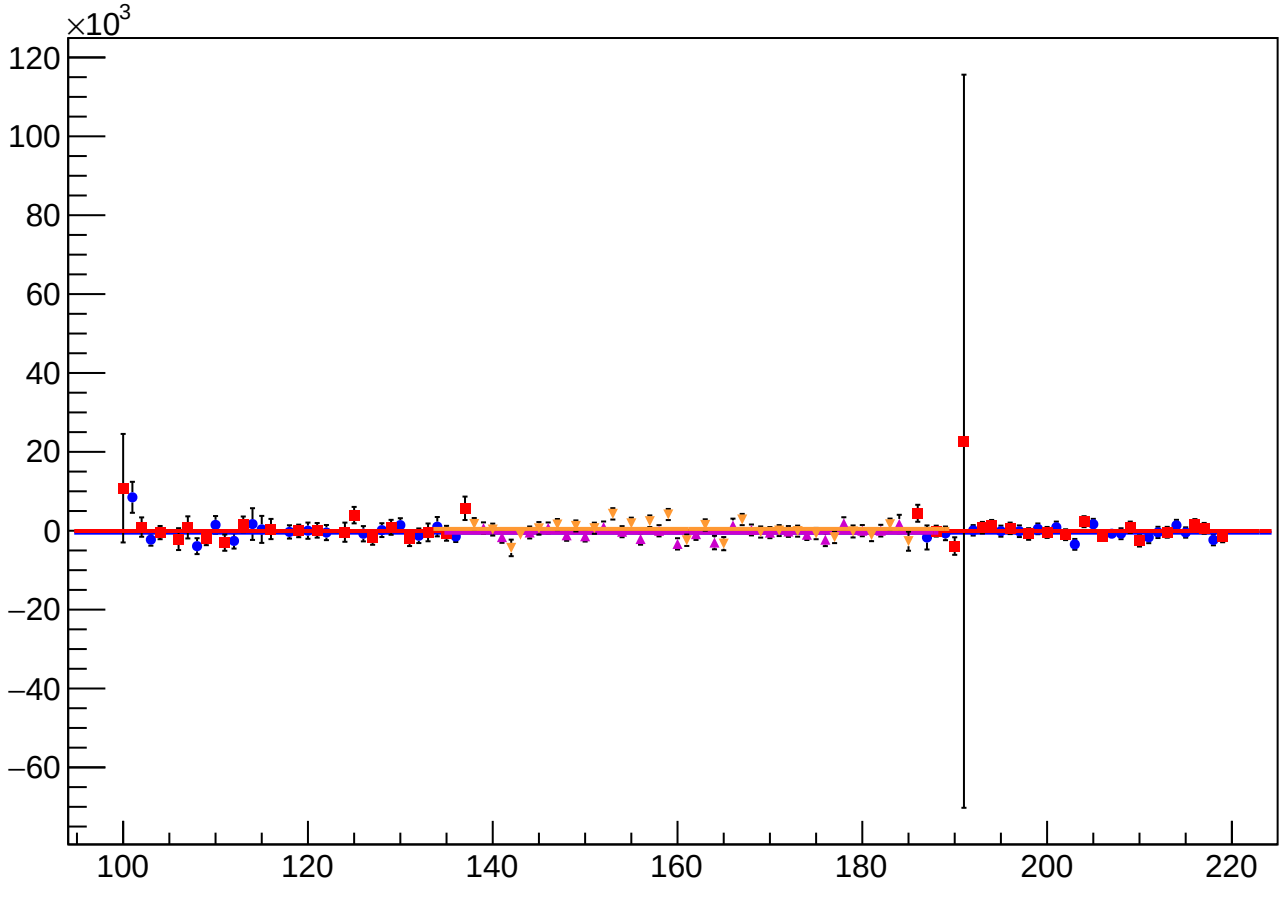
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4193.171+/-0.478 χ^2/NDF: 6052580.3/68

In: 4349.399+/-0.508 χ^2/NDF:3438188.1/54

Out: 4118.448+/-0.475 χ^2/NDF:5901113.1/61

All: 4226.069+/-0.347 χ^2/NDF: 9449490.4/11



Right In: -490.250+/-290.193 χ^2/NDF: 27.5/31

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -66.240+/-284.065 χ^2/NDF: 35.1/36

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

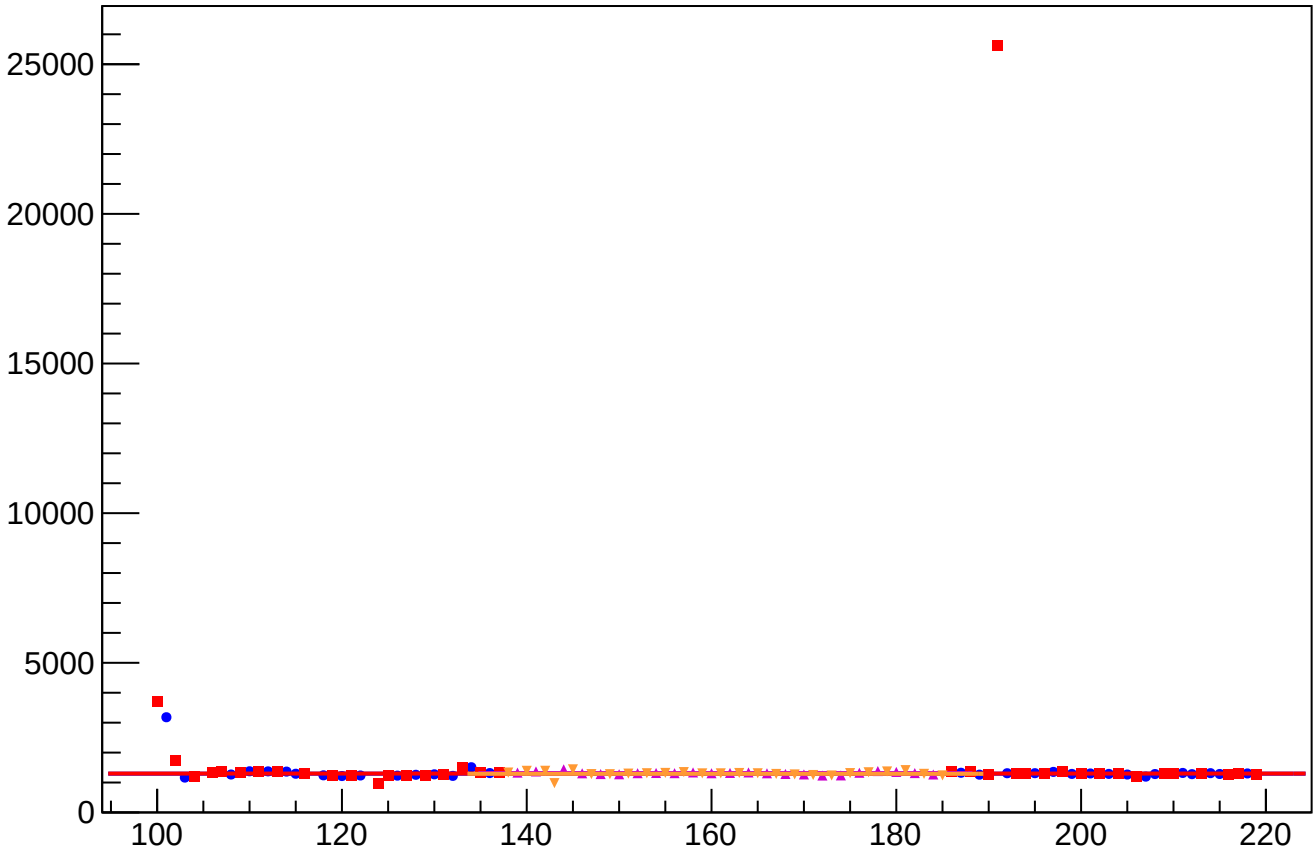
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -273.721+/-202.996 χ^2/NDF: 63.8/68

In: -496.529+/-210.907 χ^2/NDF:45.0/54

Out: 191.435+/-204.373 χ^2/NDF:81.0/61

All: -141.724+/-146.769 χ^2/NDF: 131.4/116



Right In: 1295.181+/-0.205 χ^2/NDF: 530283.5/31

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.3/36

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

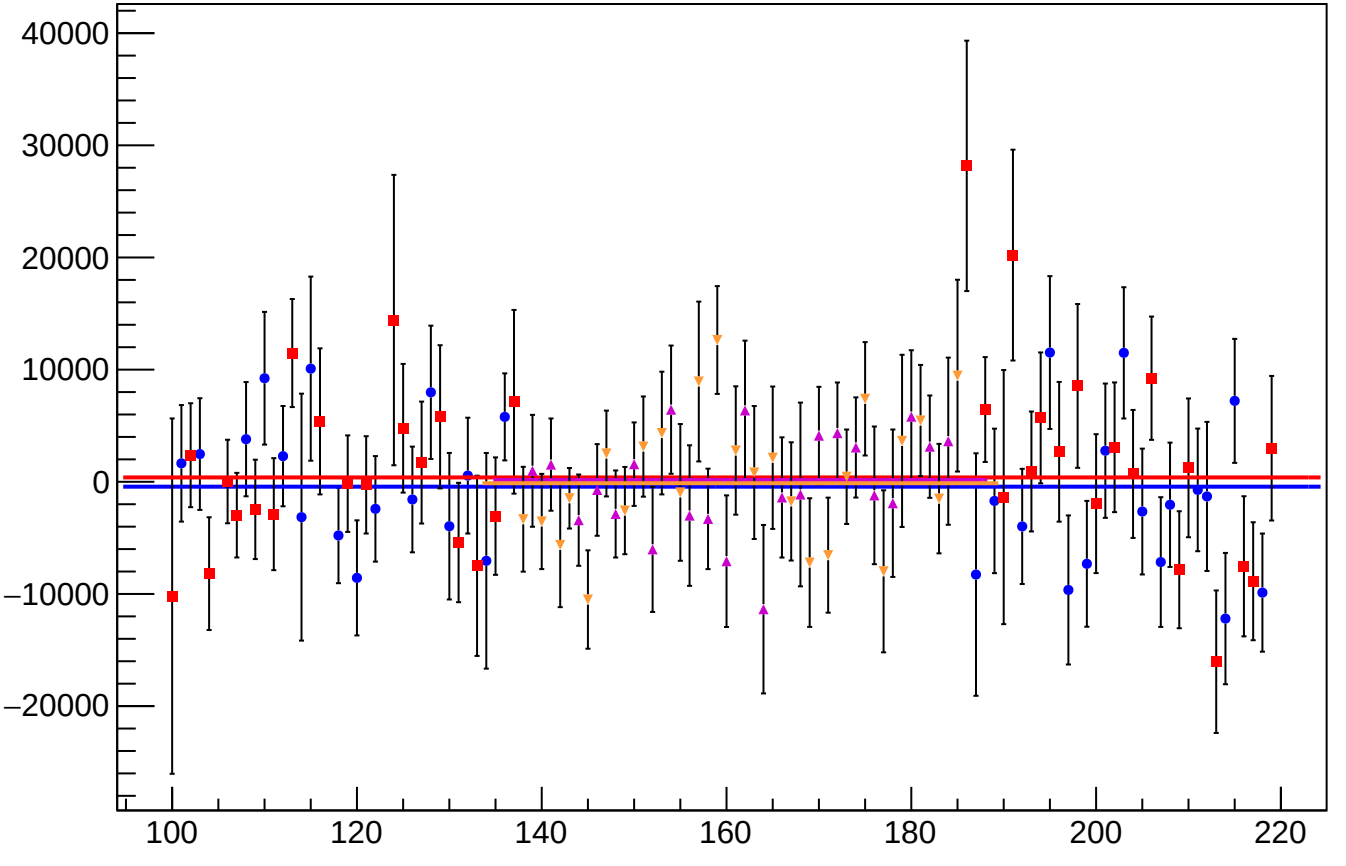
Right: 1297.411+/-0.144 χ^2/NDF: 909949.1/68

In: 1304.063+/-0.149 χ^2/NDF:577301.5/54

Out: 1295.527+/-0.144 χ^2/NDF:611002.7/61

All: 1299.660+/-0.104 χ^2/NDF: 1189993.9/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -435.914+/-990.415 χ^2/NDF: 37.9/31

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 389.687+/-924.703 χ^2/NDF: 48.5/36

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

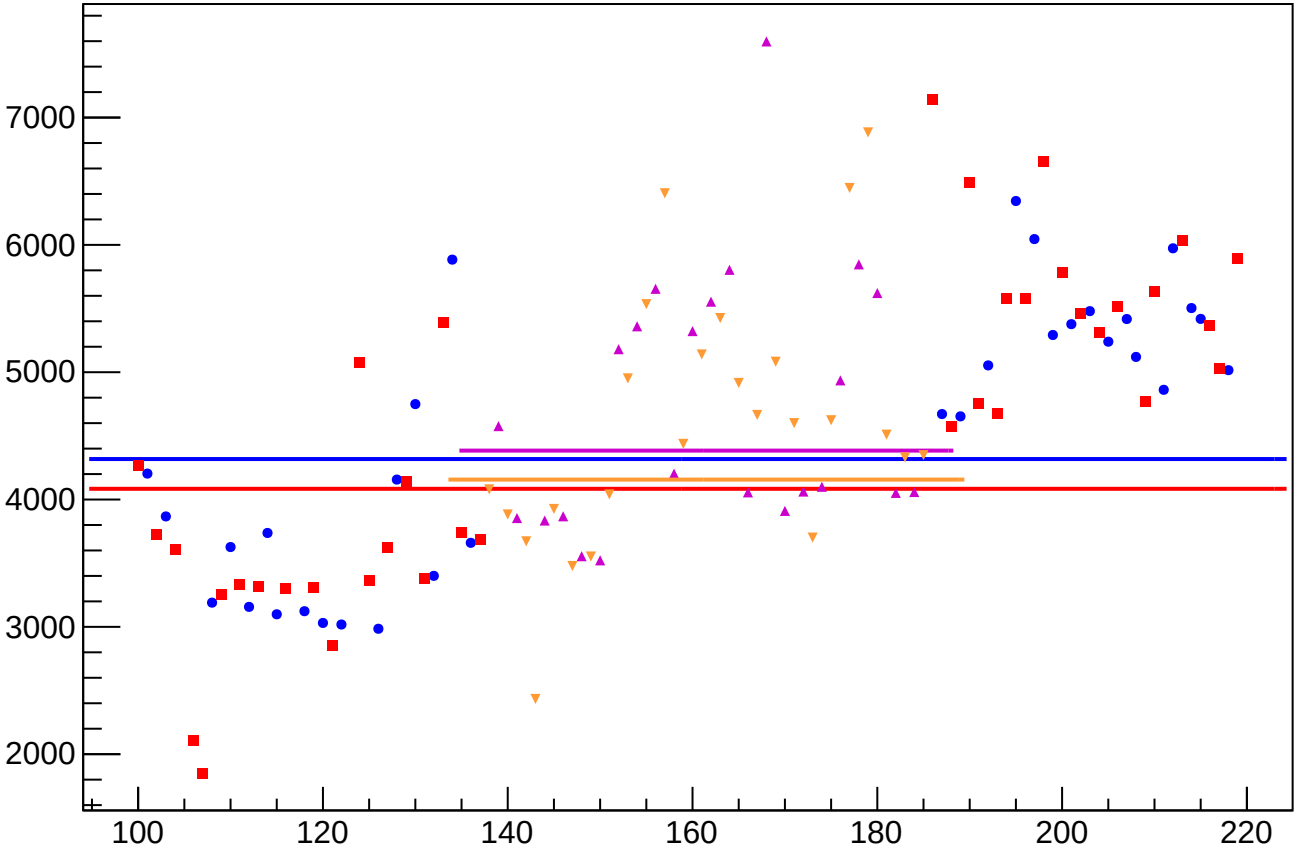
Right: 5.181+/-675.901 χ^2/NDF: 86.7/68

In: -154.330+/-719.018 χ^2/NDF:51.8/54

Out: 145.475+/-671.666 χ^2/NDF:77.2/61

All: 5.769+/-490.827 χ^2/NDF: 129.1/116

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4318.055+/-0.700 χ^2/NDF: 2178522.1/31

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 4084.299+/-0.654 χ^2/NDF: 3814613.1/36

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

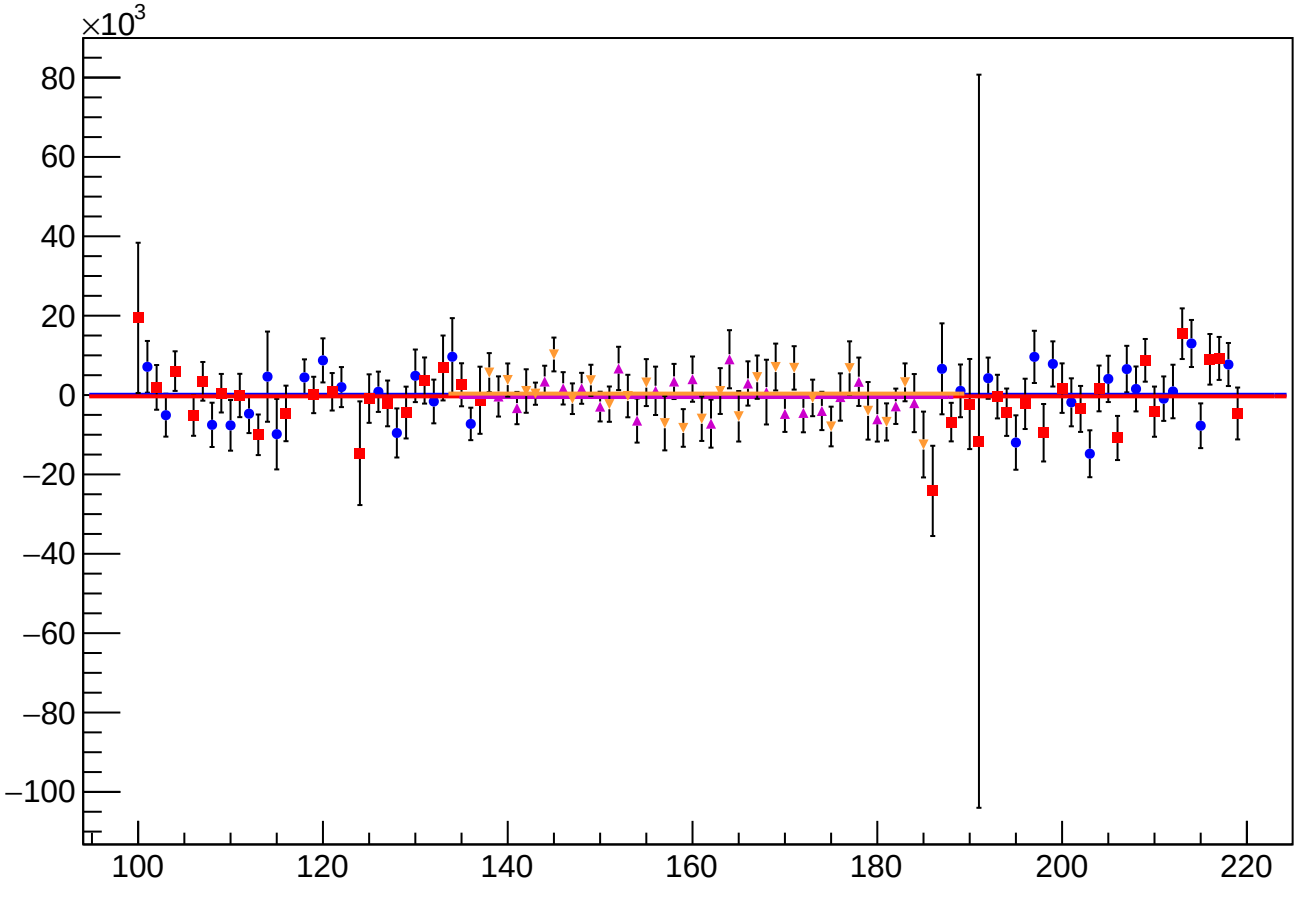
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4193.165+/-0.478 χ^2/NDF: 6052658.2/68

In: 4349.400+/-0.508 χ^2/NDF:3438232.7/54

Out: 4118.448+/-0.475 χ^2/NDF:5901156.3/61

All: 4226.069+/-0.347 χ^2/NDF: 9449578.8/11



Right In: 70.199+/-1040.368 χ^2/NDF: 43.4/31

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -330.825+/-996.314 χ^2/NDF: 39.1/36

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

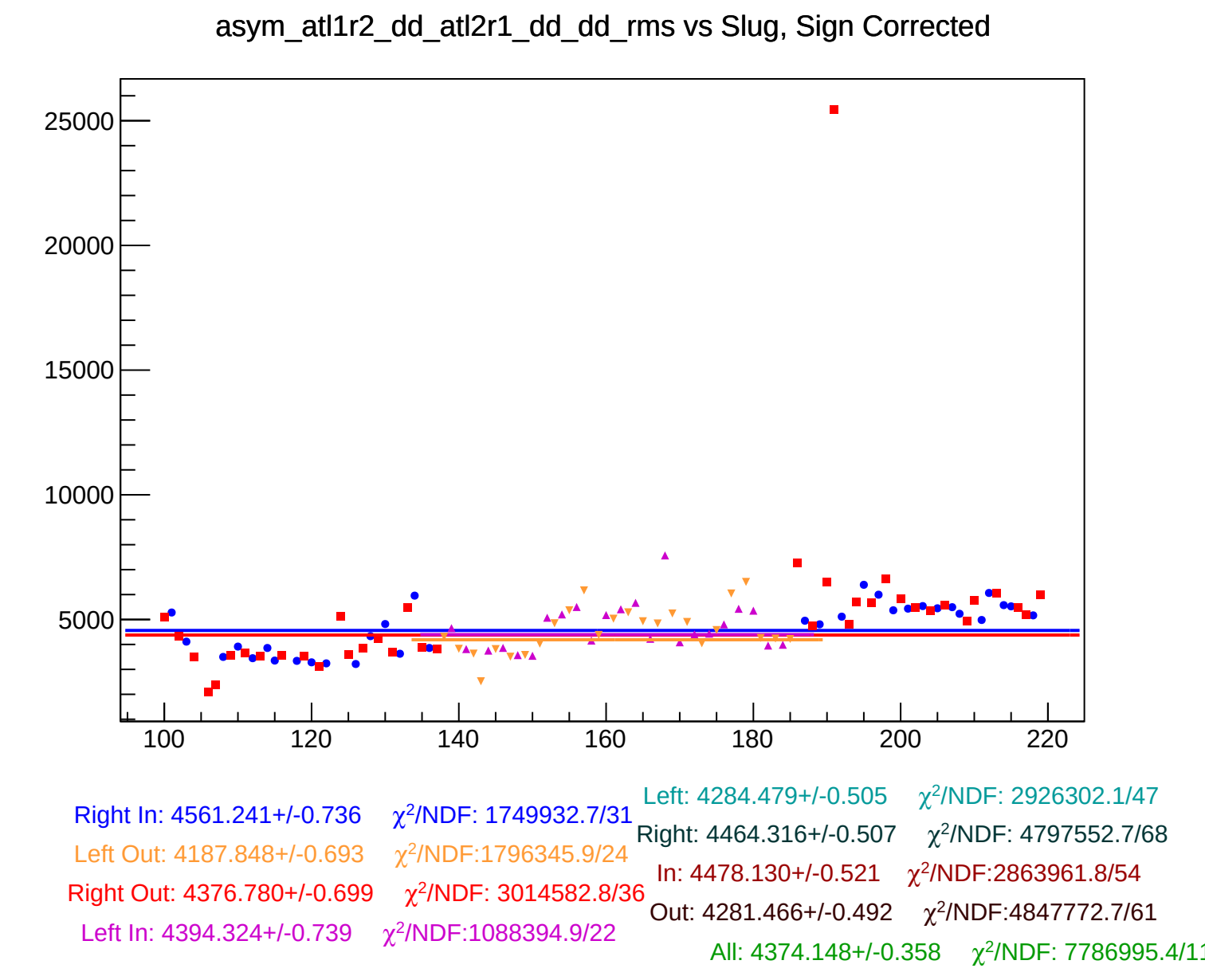
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -138.983+/-719.571 χ^2/NDF: 82.6/68

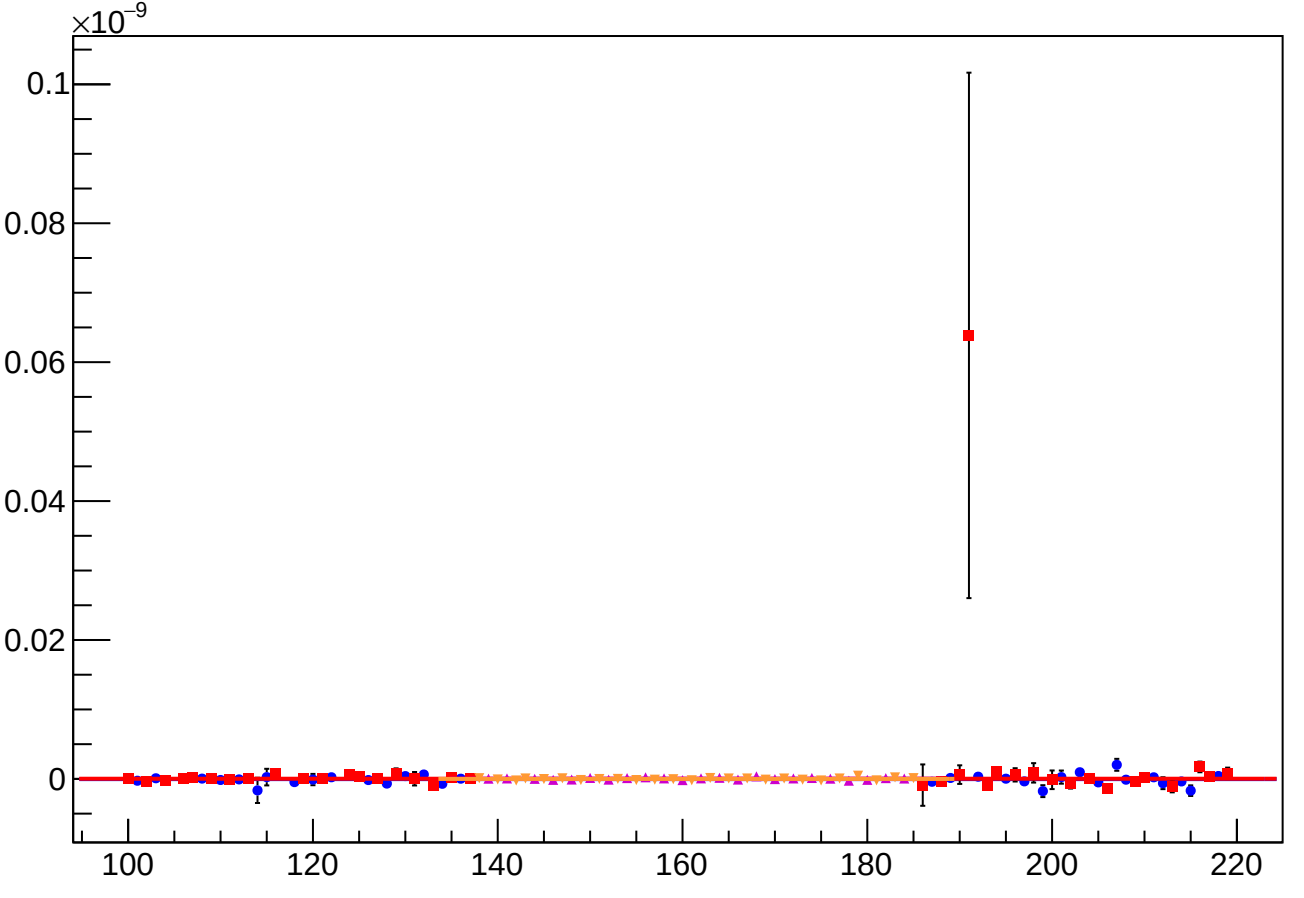
In: -212.480+/-737.181 χ^2/NDF:57.4/54

Out: 21.624+/-698.611 χ^2/NDF:67.0/61

All: -89.144+/-507.080 χ^2/NDF: 124.5/116


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: 4561.241+/-0.736 χ²/NDF: 1749932.7/31
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4376.780+/-0.699 χ²/NDF: 3014582.8/36
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4464.316+/-0.507 χ²/NDF: 4797552.7/68
In: 4478.130+/-0.521 χ²/NDF:2863961.8/54
Out: 4281.466+/-0.492 χ²/NDF:4847772.7/61
All: 4374.148+/-0.358 χ²/NDF: 7786995.4/11

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.4/36

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

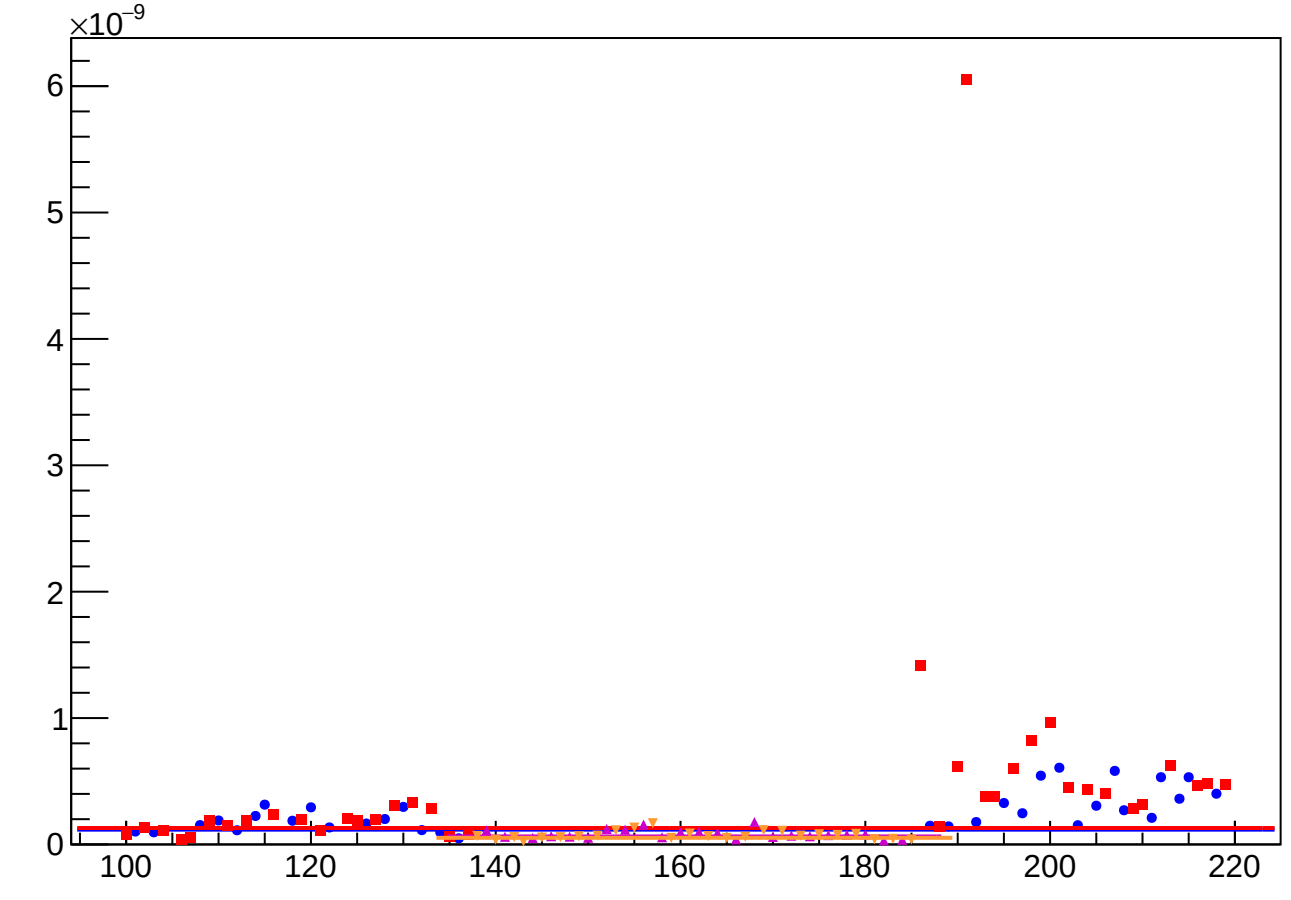
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 82.7/68

In: 0.000+/-0.000 χ^2/NDF:58.6/54

Out: -0.000+/-0.000 χ^2/NDF:72.1/61

All: 0.000+/-0.000 χ^2/NDF: 130.8/116



Right In: 0.000+/-0.000 χ^2/NDF: 6269298.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8717055.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

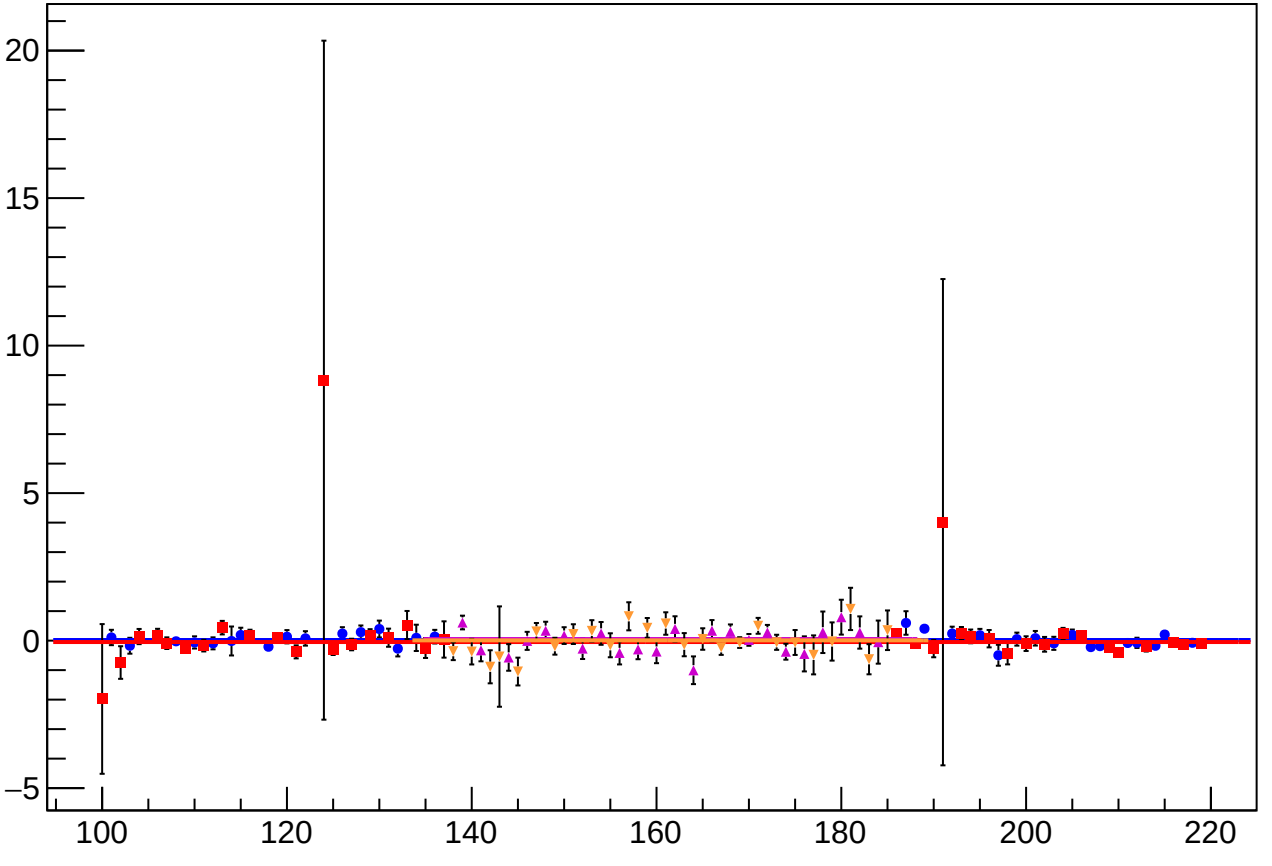
Right: 0.000+/-0.000 χ^2/NDF: 15038545.3/68

In: 0.000+/-0.000 χ^2/NDF:9663706.5/54

Out: 0.000+/-0.000 χ^2/NDF:14361819.7/61

All: 0.000+/-0.000 χ^2/NDF: 24293486.6/116

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

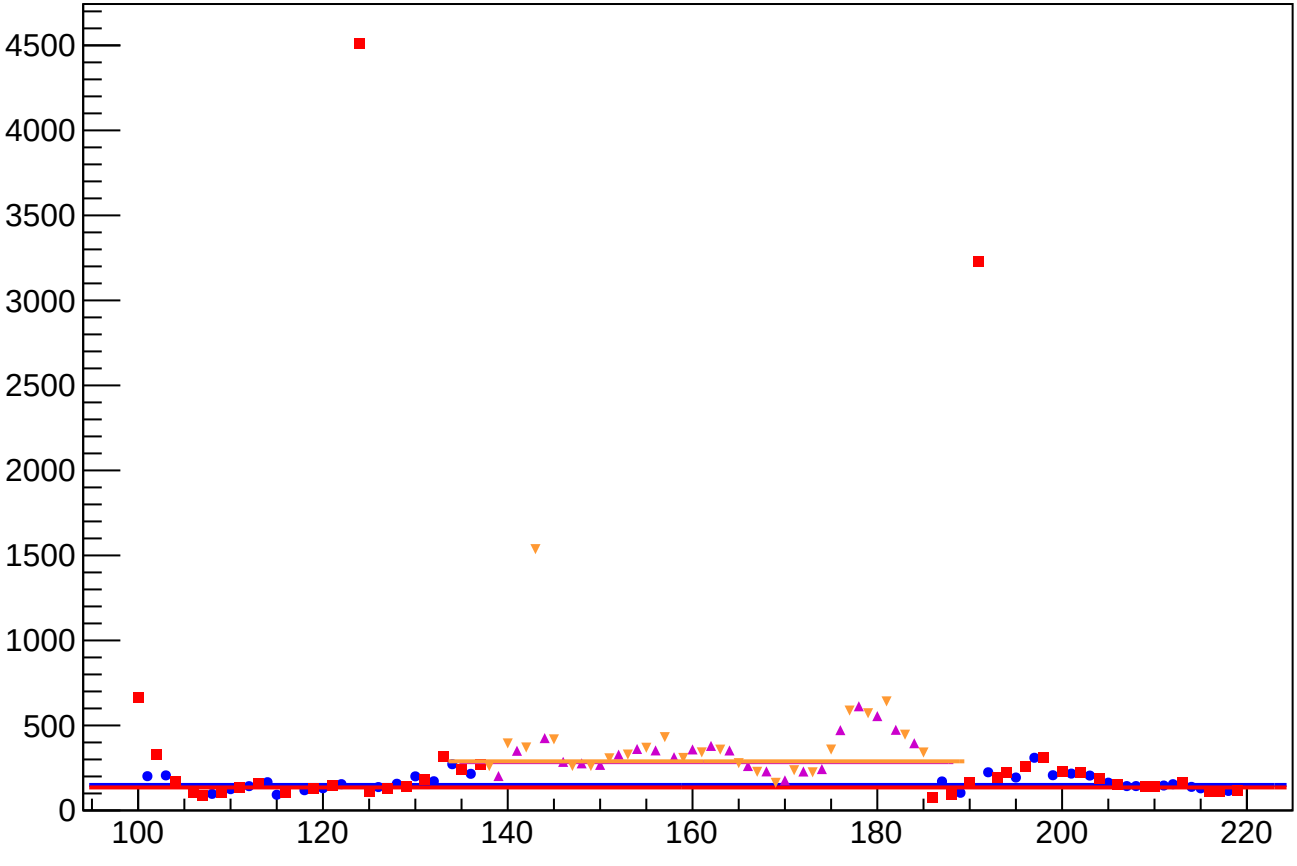
Right: -0.017+/-0.024 χ^2/NDF: 75.5/68

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: -0.008+/-0.021 χ^2/NDF: 133.1/116

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 150.054+/-0.025 χ^2/NDF: 2533590.7/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

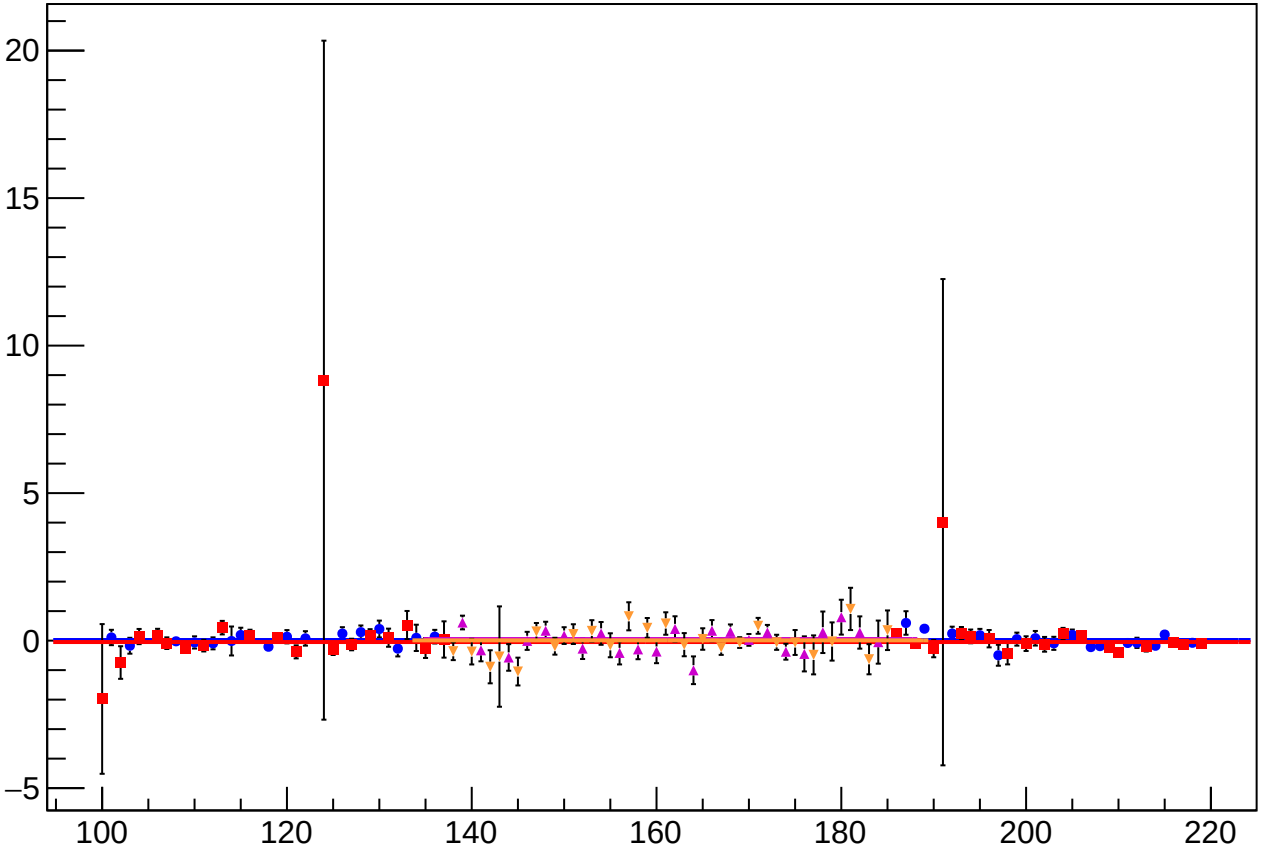
Right: 142.024+/-0.017 χ^2/NDF: 7658501.9/68

In: 176.910+/-0.022 χ^2/NDF:11415134.6/54

Out: 161.411+/-0.021 χ^2/NDF:17347728.5/61

All: 168.587+/-0.015 χ^2/NDF: 29022789.5/1

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

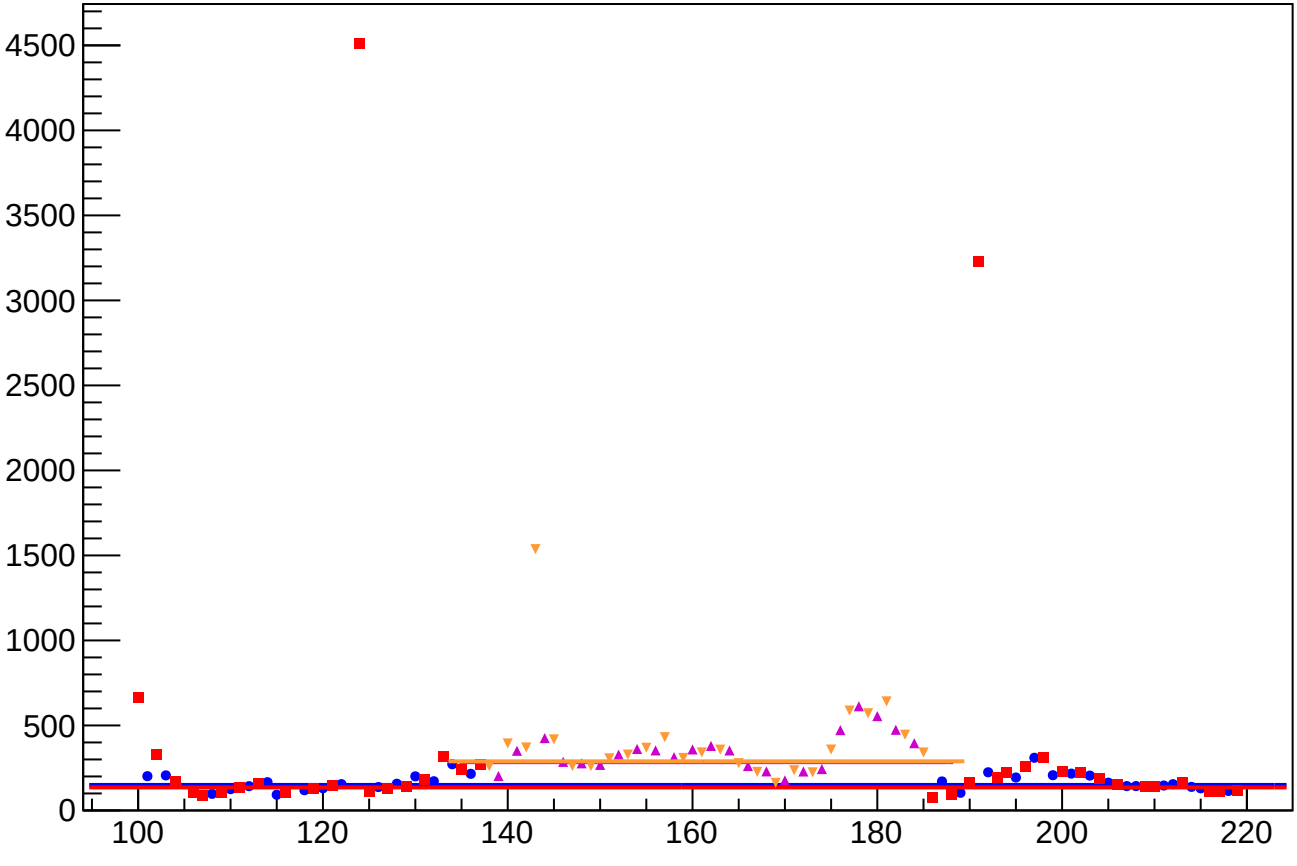
Right: -0.017+/-0.024 χ^2/NDF: 75.5/68

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: -0.008+/-0.021 χ^2/NDF: 133.1/116

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 150.054+/-0.025 χ^2/NDF: 2533590.7/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

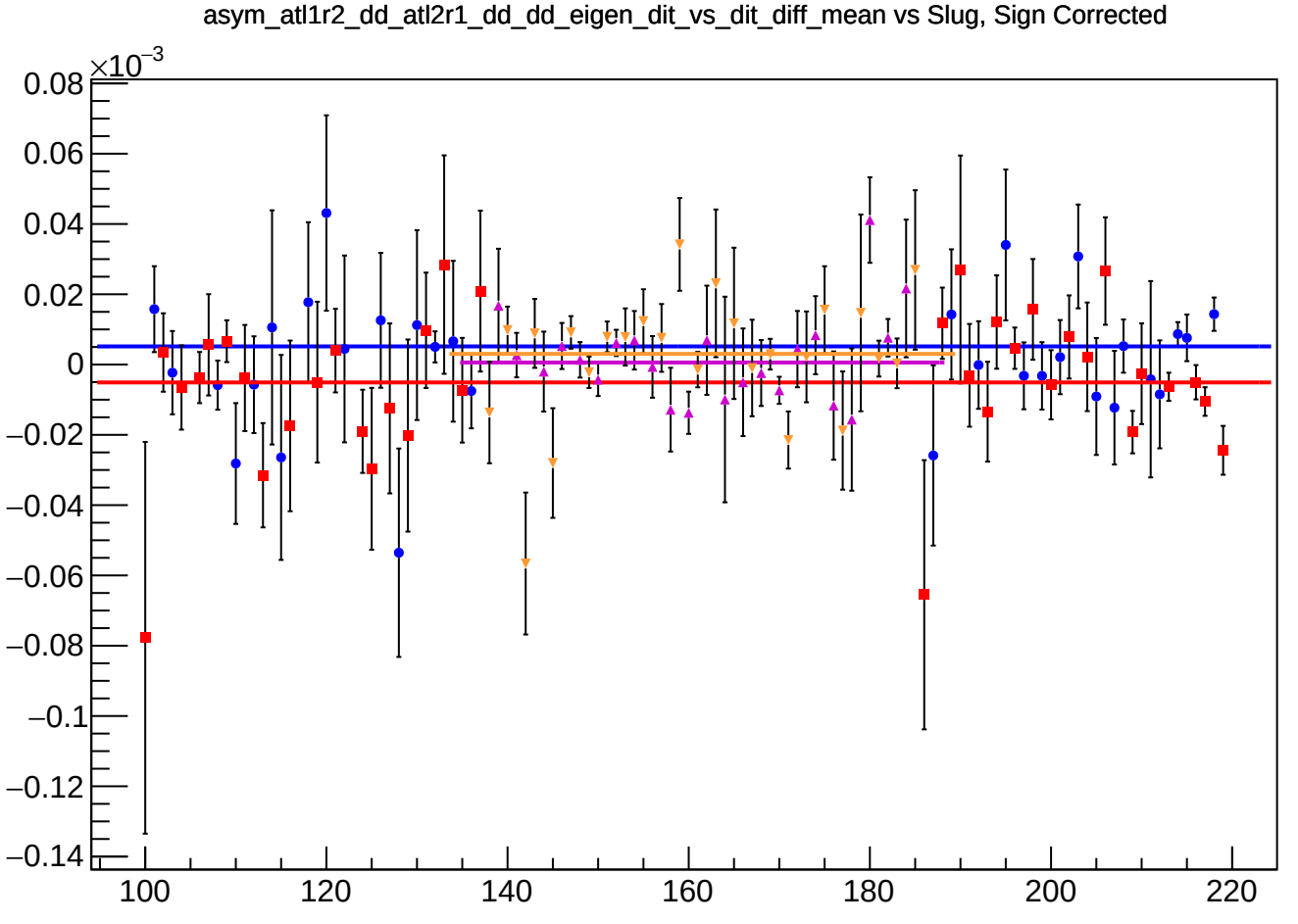
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 142.024+/-0.017 χ^2/NDF: 7658501.9/68

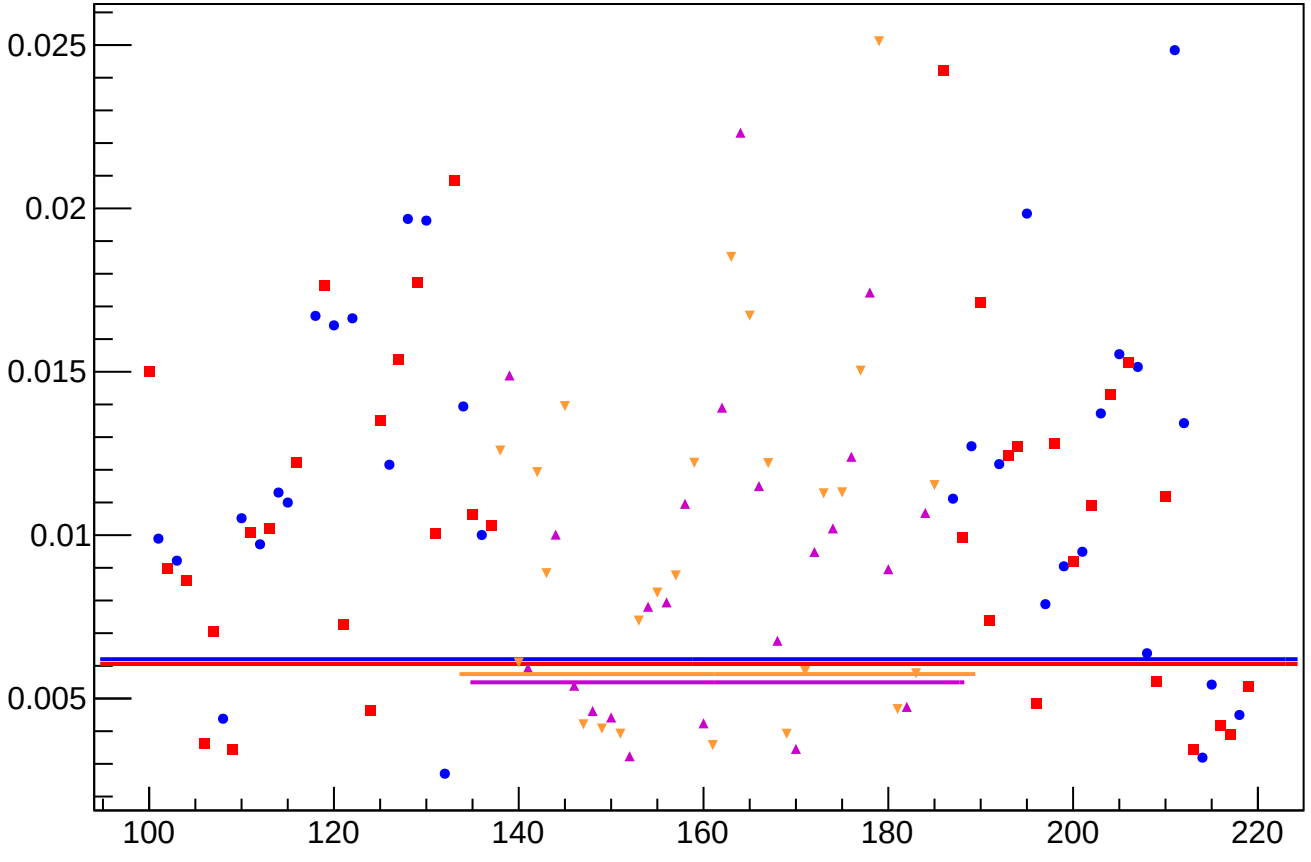
In: 176.910+/-0.022 χ^2/NDF:11415134.6/54

Out: 161.411+/-0.021 χ^2/NDF:17347728.5/61

All: 168.587+/-0.015 χ^2/NDF: 29022789.5/1


asym_atl1r2_dd_atl2r1_dd_dd_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
−0.06
−0.08
−0.1
−0.12
−0.14
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 33.0/31
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 51.0/36
Left In: 0.000+/-0.000 χ²/NDF:33.2/22
Left: 0.000+/-0.000 χ²/NDF: 76.7/47
Right: -0.000+/-0.000 χ²/NDF: 103.9/68
In: 0.000+/-0.000 χ²/NDF:70.3/54
Out: -0.000+/-0.000 χ²/NDF:107.1/61
All: 0.000+/-0.000 χ²/NDF: 182.6/116

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 11616529.9/31

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9867807.7/36

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

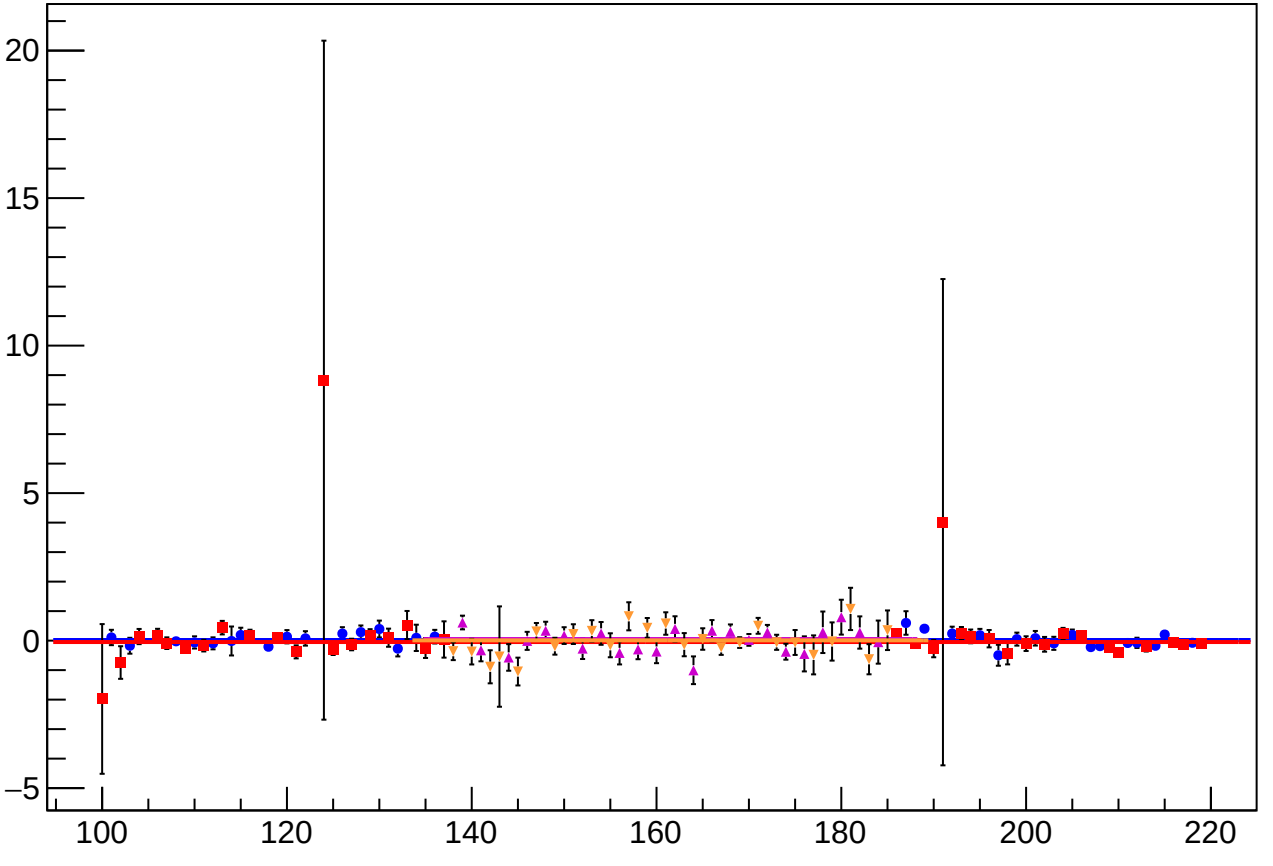
Right: 0.006+/-0.000 χ^2/NDF: 21492545.4/68

In: 0.006+/-0.000 χ^2/NDF:18747539.8/54

Out: 0.006+/-0.000 χ^2/NDF:18036488.4/61

All: 0.006+/-0.000 χ^2/NDF: 36790283.9/116

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

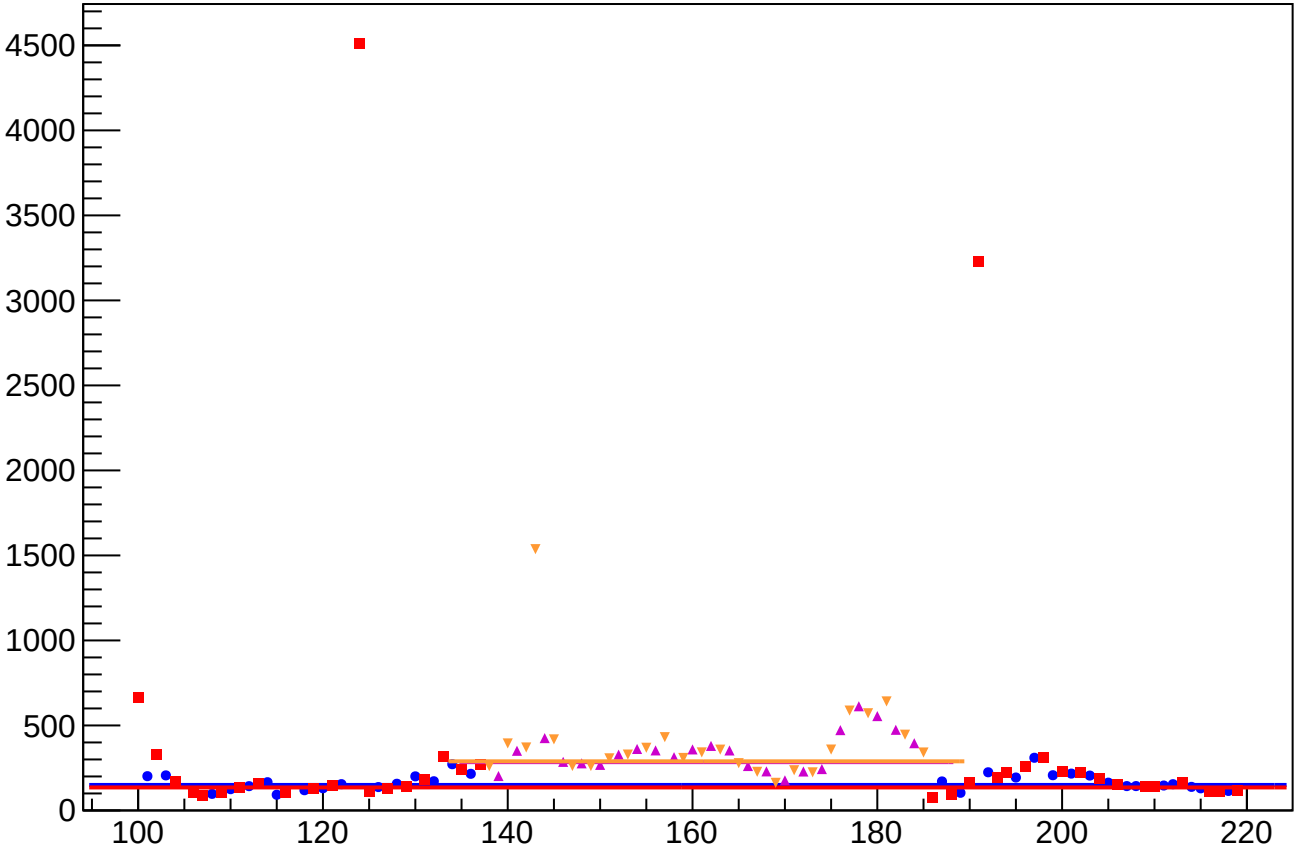
Right: -0.017+/-0.024 χ^2/NDF: 75.5/68

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: -0.008+/-0.021 χ^2/NDF: 133.1/116

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 150.055+/-0.025 χ^2/NDF: 2533574.0/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

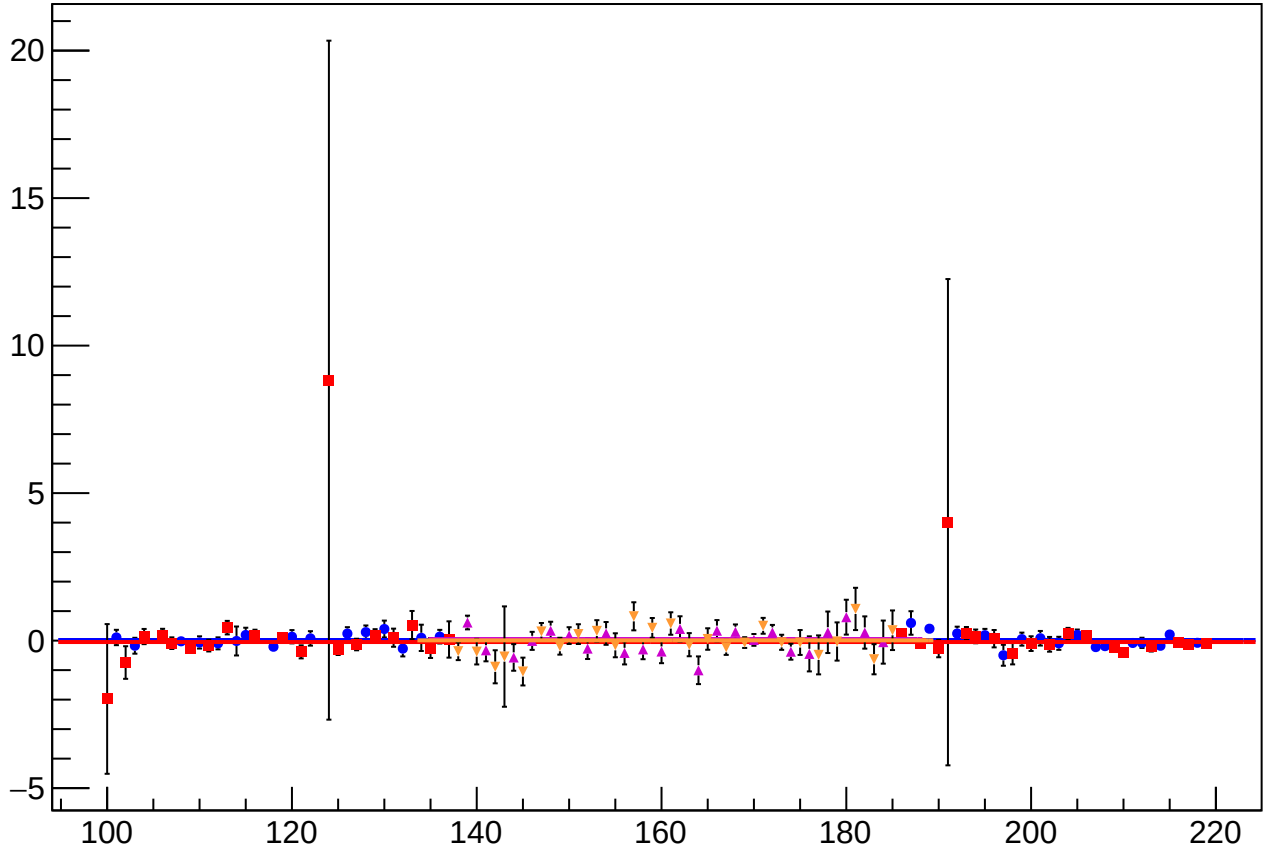
Right: 142.025+/-0.017 χ^2/NDF: 7658271.5/68

In: 176.911+/-0.022 χ^2/NDF:11415237.9/54

Out: 161.413+/-0.021 χ^2/NDF:17347503.1/61

All: 168.589+/-0.015 χ^2/NDF: 29022619.8/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.035 χ^2/NDF: 31.8/31

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

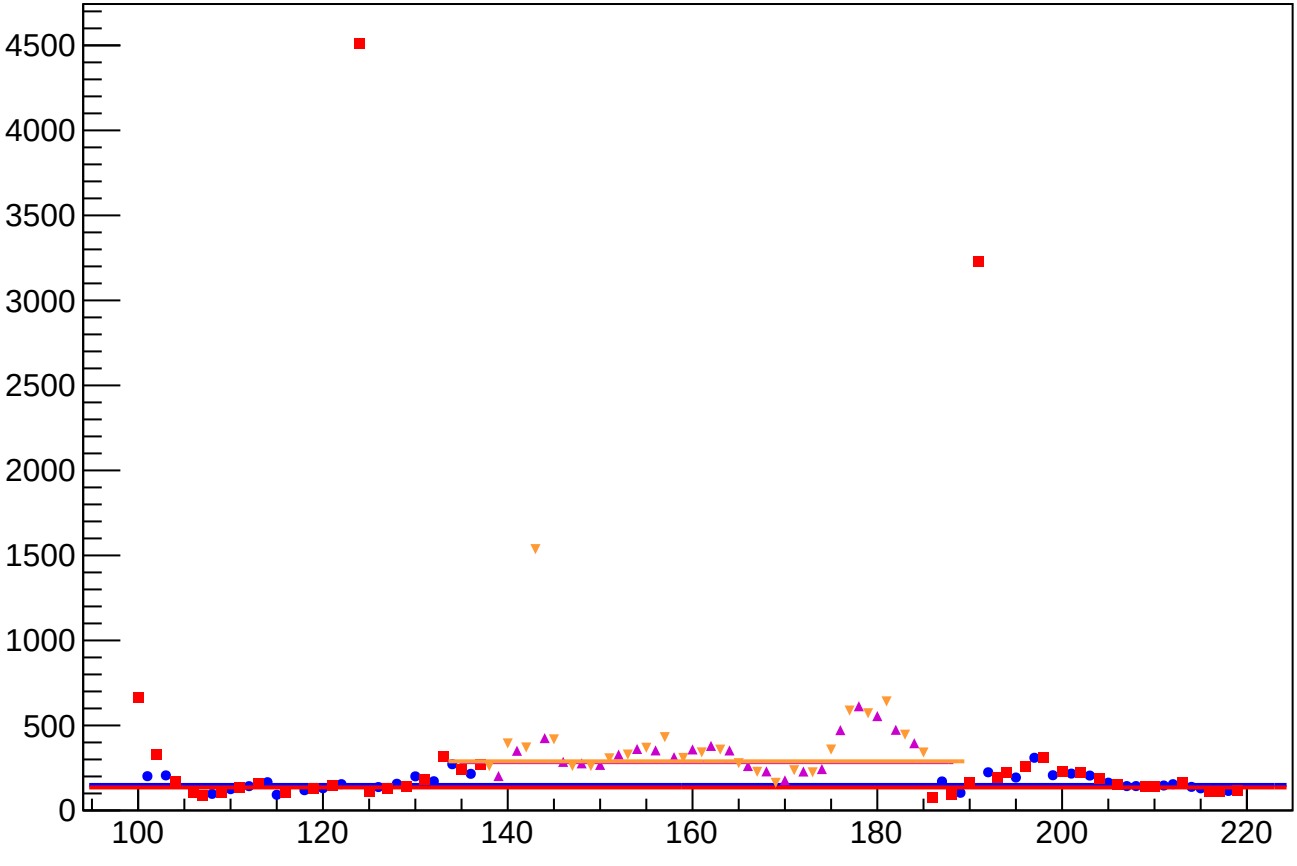
Right: -0.017+/-0.024 χ^2/NDF: 75.5/68

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: -0.008+/-0.021 χ^2/NDF: 133.1/116

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 150.055+/-0.025 χ^2/NDF: 2533574.0/31

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

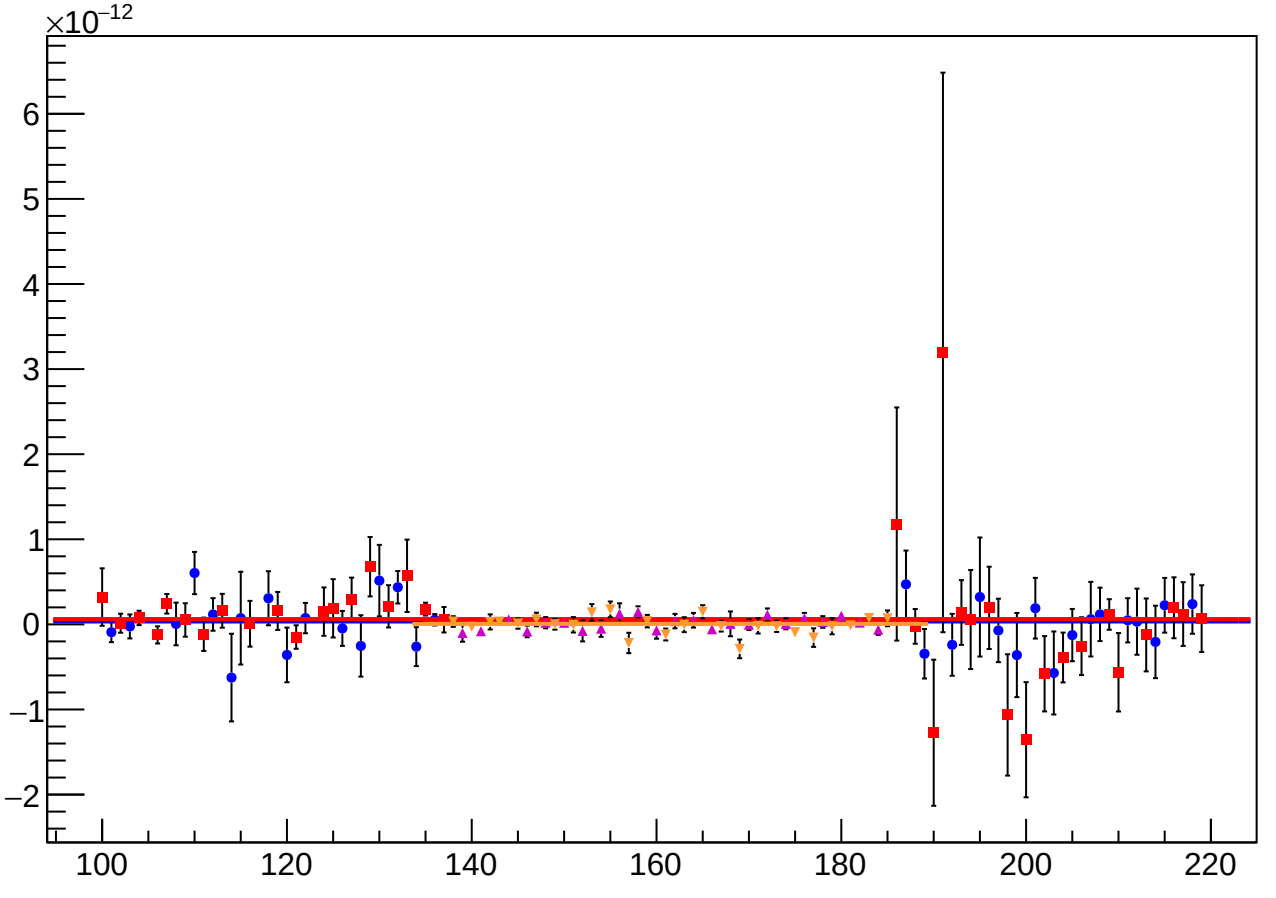
Right: 142.025+/-0.017 χ^2/NDF: 7658271.5/68

In: 176.911+/-0.022 χ^2/NDF:11415237.9/54

Out: 161.413+/-0.021 χ^2/NDF:17347503.1/61

All: 168.589+/-0.015 χ^2/NDF: 29022619.8/11

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: 26.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.5/36

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

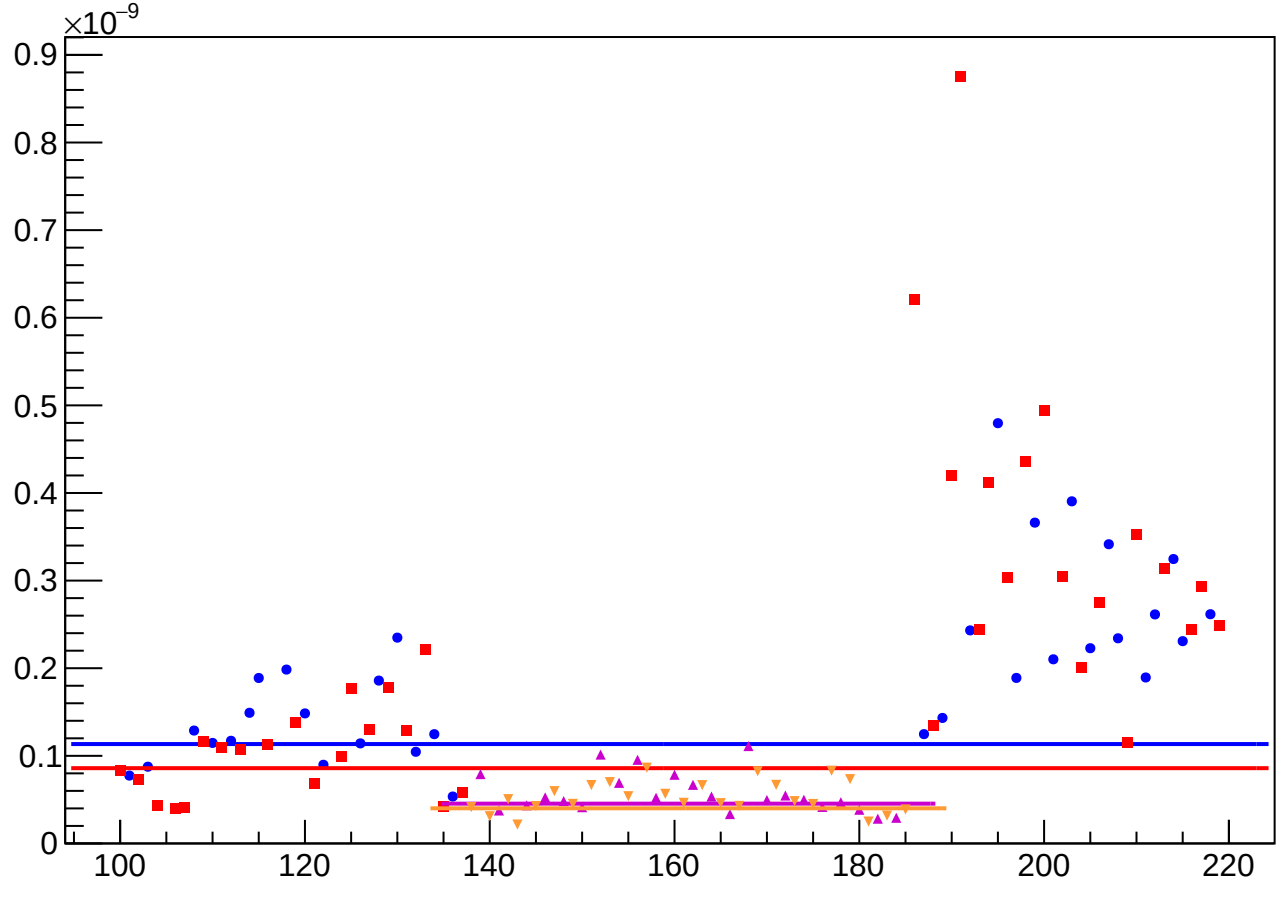
Right: 0.000+/-0.000 χ^2/NDF: 64.3/68

In: 0.000+/-0.000 χ^2/NDF:49.9/54

Out: 0.000+/-0.000 χ^2/NDF:74.4/61

All: 0.000+/-0.000 χ^2/NDF: 124.4/116

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: 7264038.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10373466.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

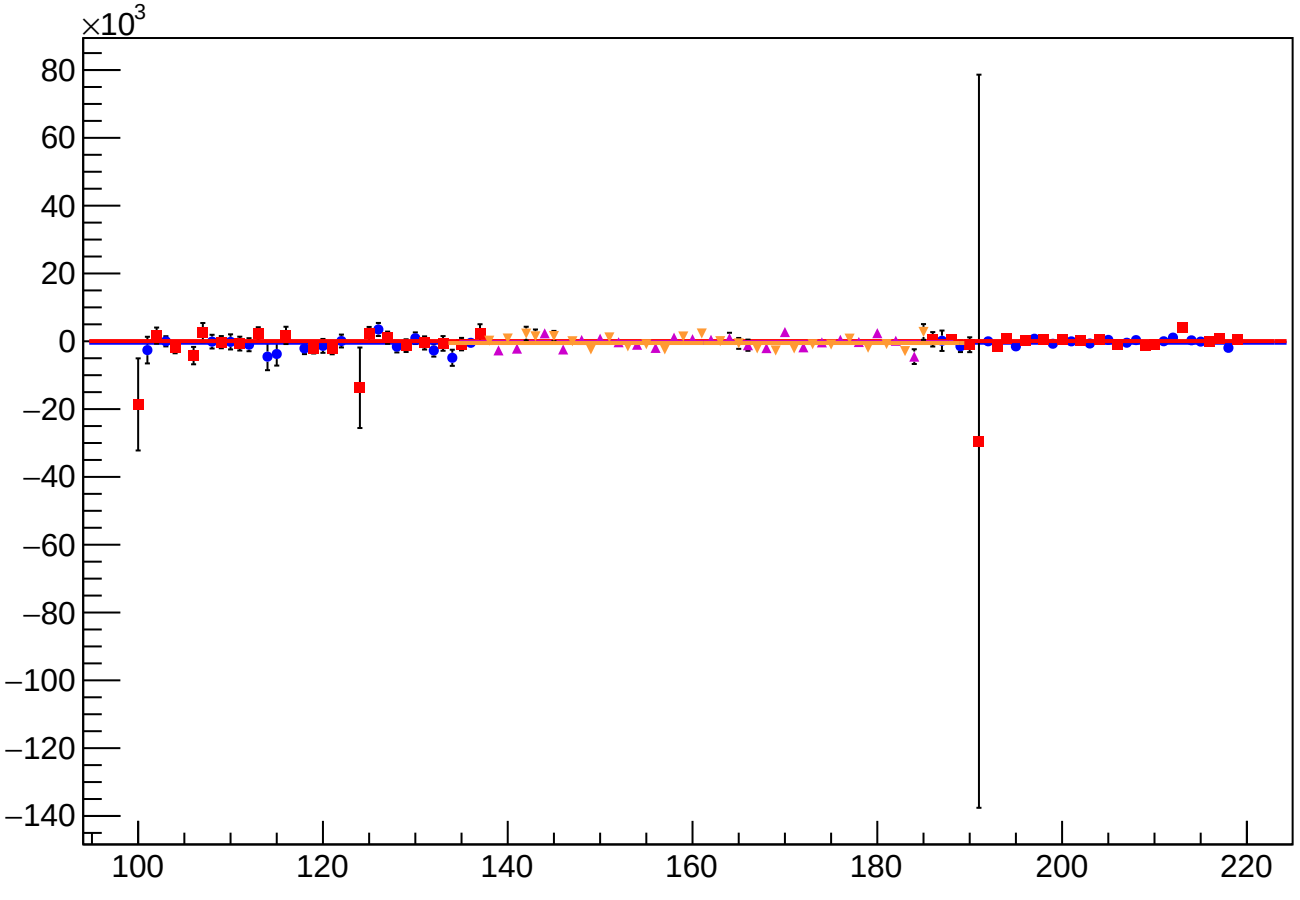
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18241713.1/68

In: 0.000+/-0.000 χ^2/NDF:15555334.9/54

Out: 0.000+/-0.000 χ^2/NDF:17587192.4/61

All: 0.000+/-0.000 χ^2/NDF: 33465162.9/116



Right In: -430.866+/-285.473 χ^2/NDF: 19.5/31

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 60.765+/-280.571 χ^2/NDF: 30.2/36

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

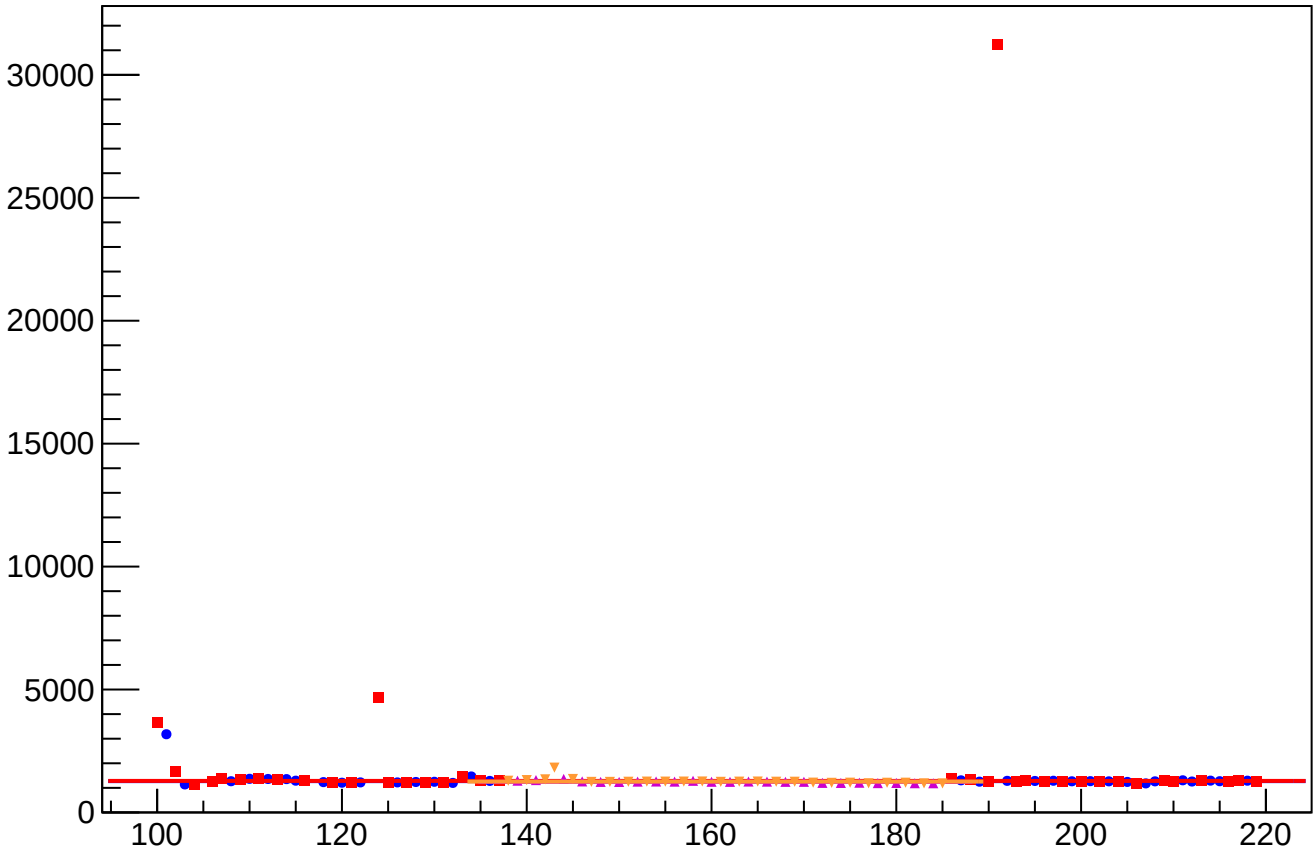
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -180.793+/-200.105 χ^2/NDF: 51.2/68

In: -338.633+/-203.843 χ^2/NDF:51.8/54

Out: -221.404+/-200.267 χ^2/NDF:63.2/61

All: -278.981+/-142.858 χ^2/NDF: 115.1/116



Right In: 1274.165+/-0.202 χ^2/NDF: 534525.6/31

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1282.870+/-0.198 χ^2/NDF: 508745.8/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

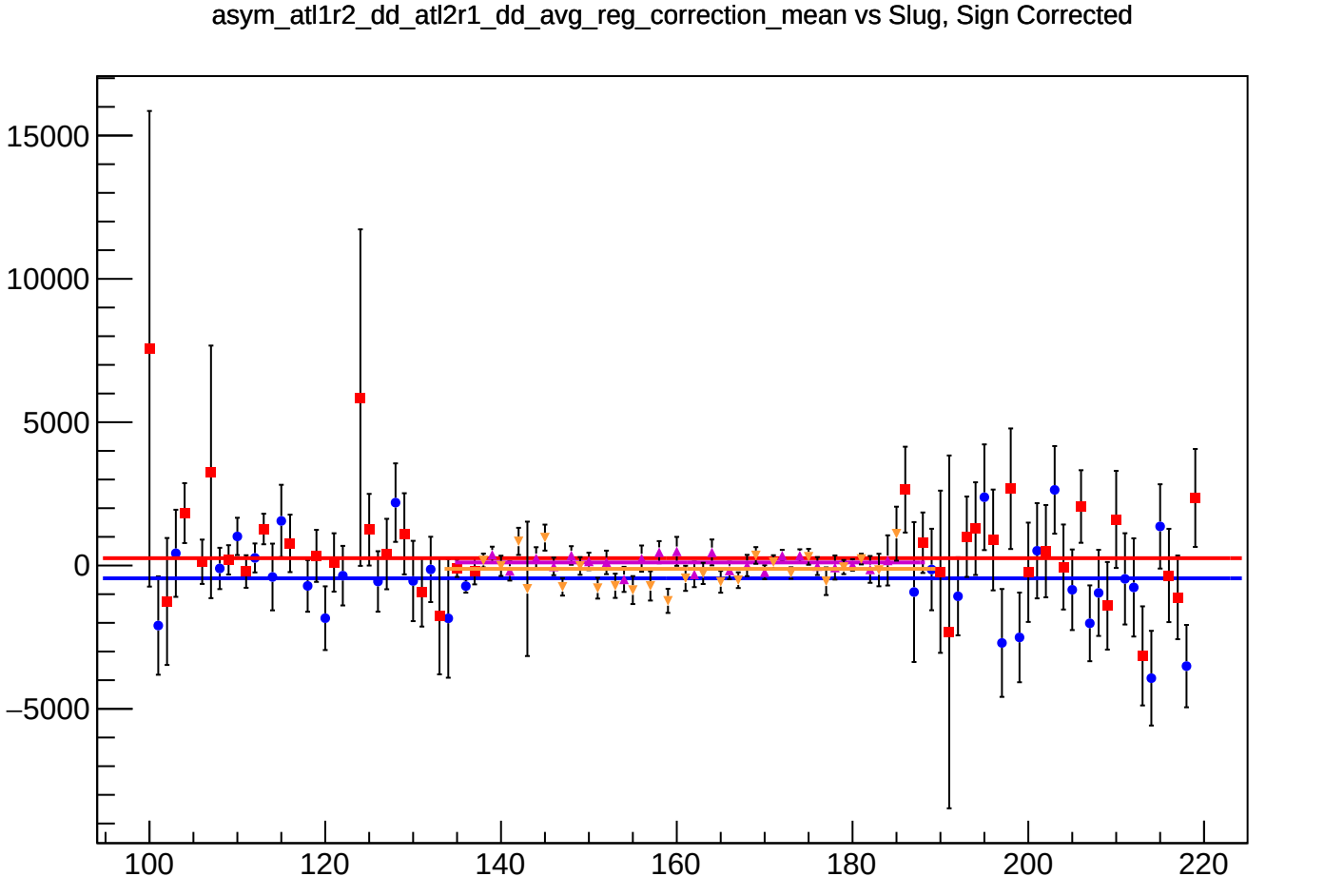
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.593+/-0.141 χ^2/NDF: 1044217.5/68

In: 1260.534+/-0.144 χ^2/NDF:583685.5/54

Out: 1269.452+/-0.142 χ^2/NDF:721196.4/61

All: 1265.072+/-0.101 χ^2/NDF: 1306829.5/11



Right In: -446.156+/-154.498 χ^2/NDF: 40.7/31

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 256.088+/-154.653 χ^2/NDF: 30.4/36

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

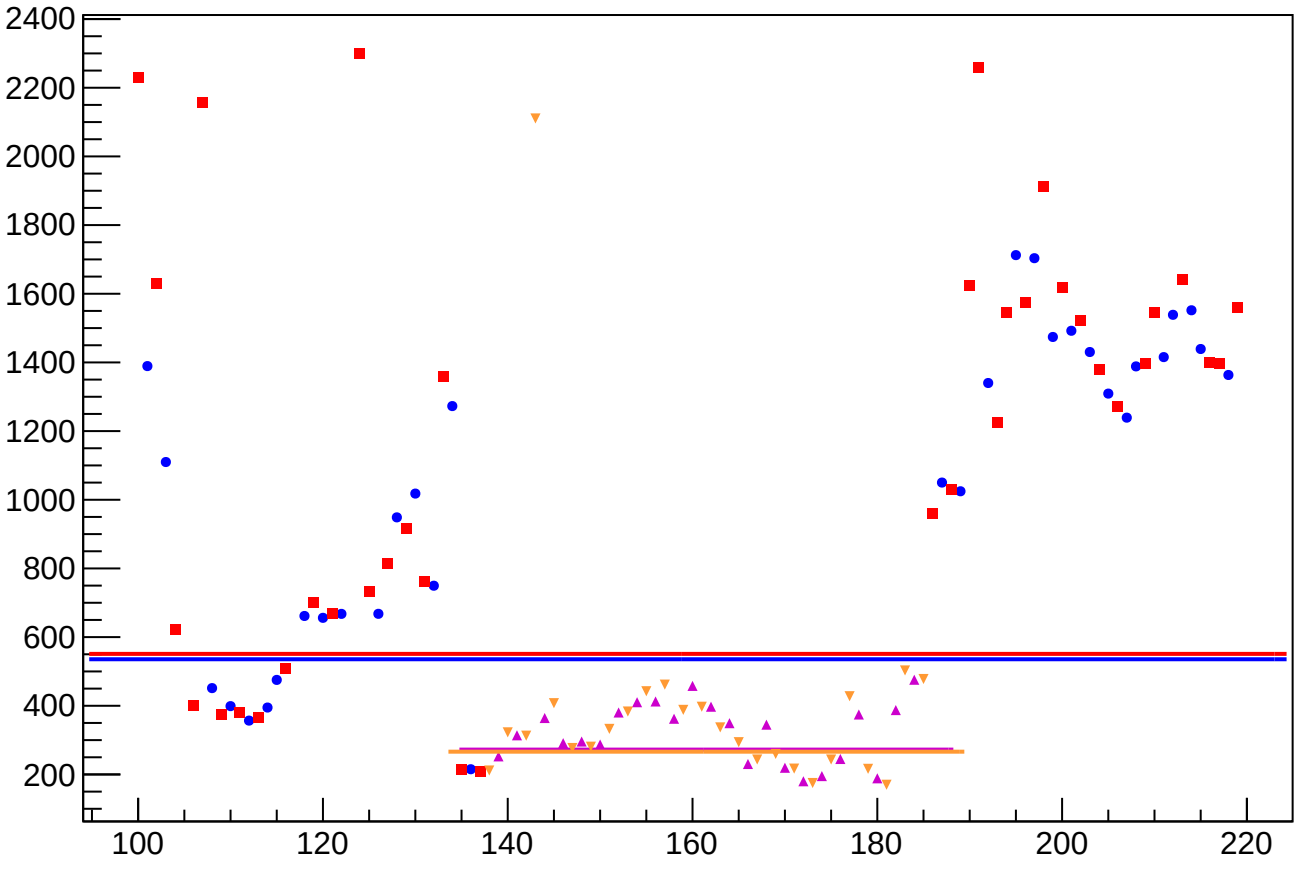
Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

Right: -95.384+/-109.301 χ^2/NDF: 81.4/68

In: 19.725+/-61.470 χ^2/NDF:65.3/54

Out: -60.926+/-59.969 χ^2/NDF:83.8/61

All: -21.597+/-42.925 χ^2/NDF: 149.9/116



Right In: 535.490+/-0.109 χ^2/NDF: 15940026.7/31

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 551.143+/-0.109 χ^2/NDF: 16516225.8/36

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

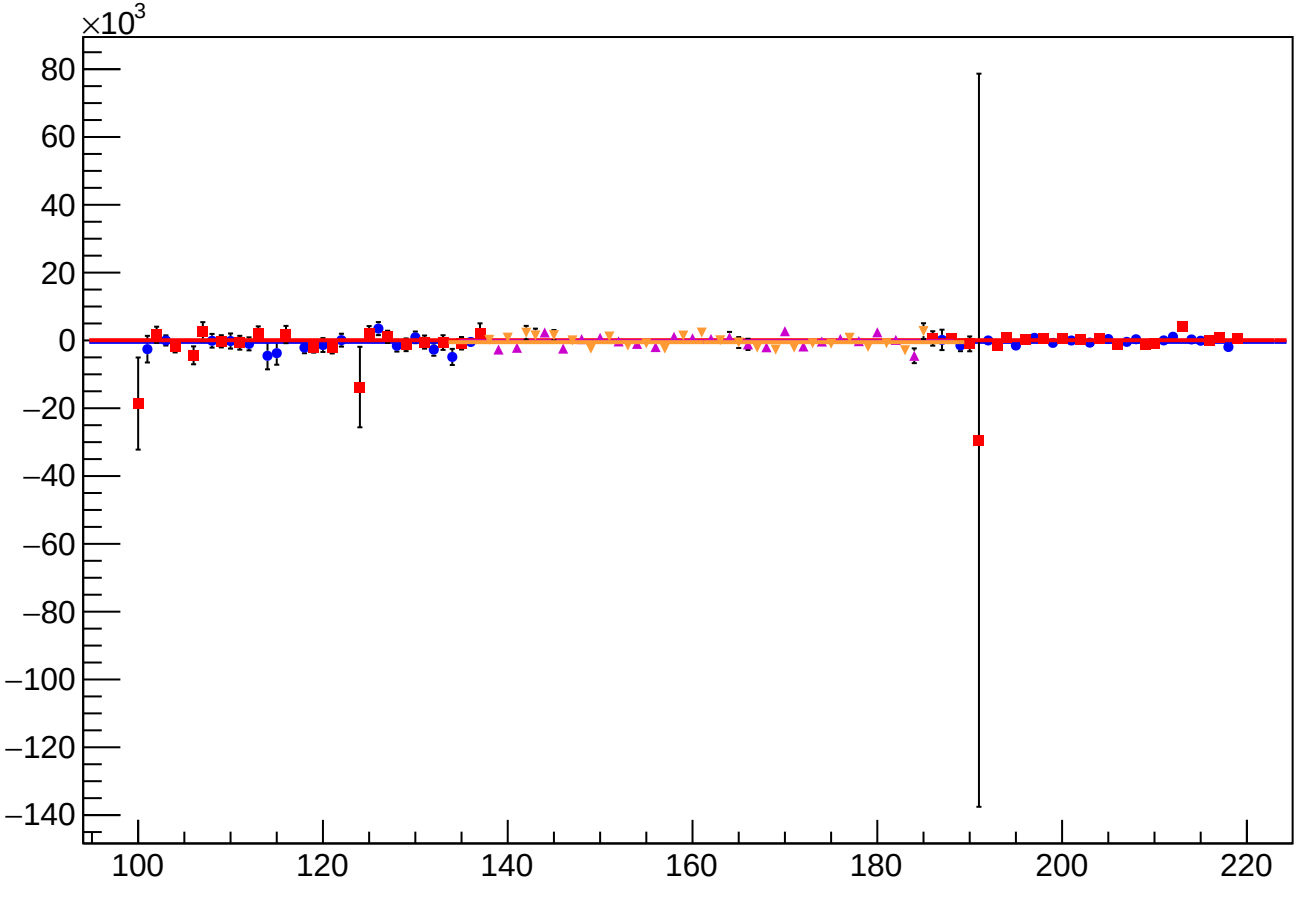
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 543.309+/-0.077 χ^2/NDF: 32466507.2/68

In: 314.019+/-0.043 χ^2/NDF:23710499.7/54

Out: 309.147+/-0.042 χ^2/NDF:26910020.6/61

All: 311.523+/-0.030 χ^2/NDF: 50626958.5/1



Right In: -430.733+/-285.473 χ^2/NDF: 19.5/31

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 61.914+/-280.672 χ^2/NDF: 30.3/36

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

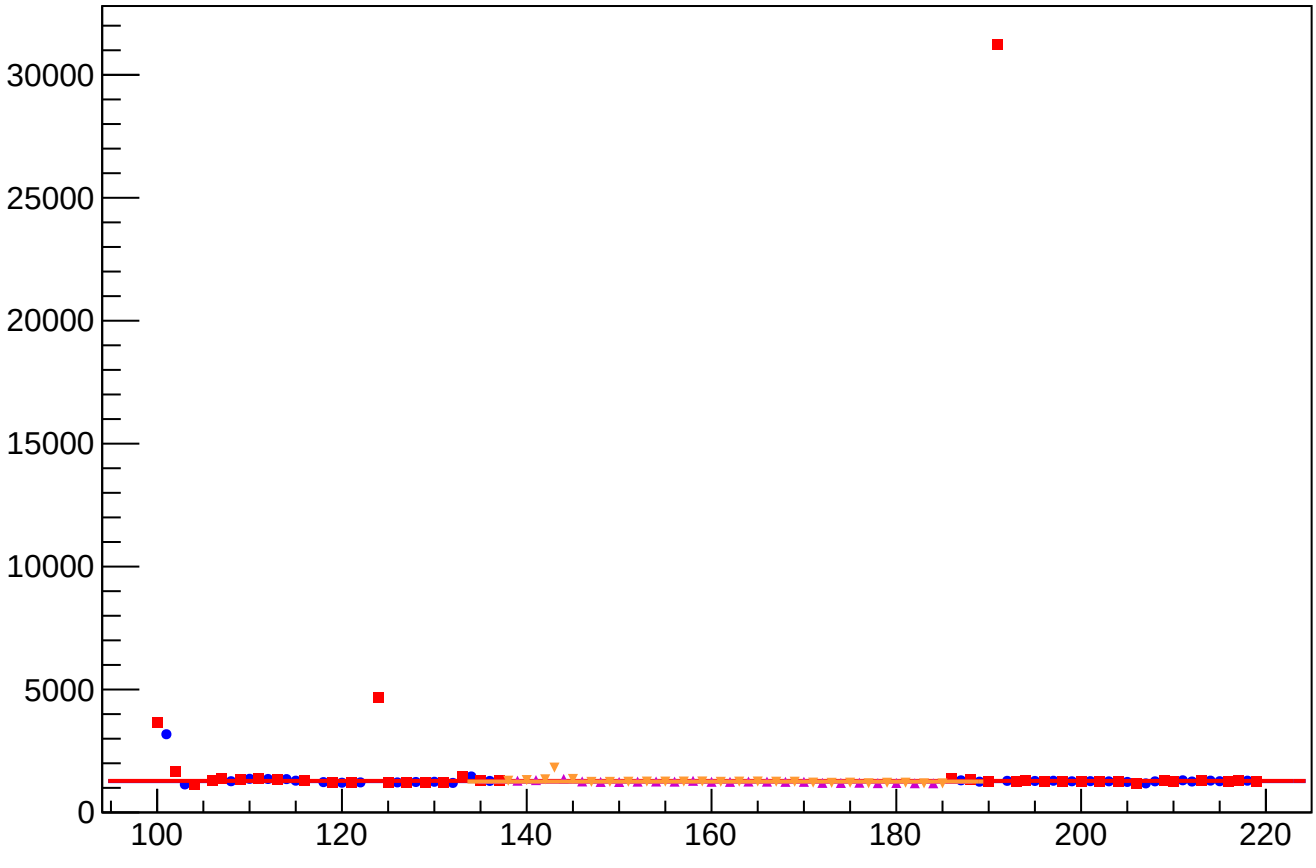
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -180.232+/-200.141 χ^2/NDF: 51.3/68

In: -338.554+/-203.843 χ^2/NDF:51.8/54

Out: -220.895+/-200.303 χ^2/NDF:63.3/61

All: -278.694+/-142.871 χ^2/NDF: 115.2/116



Right In: 1274.165+/-0.202 χ^2/NDF: 534527.0/31

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

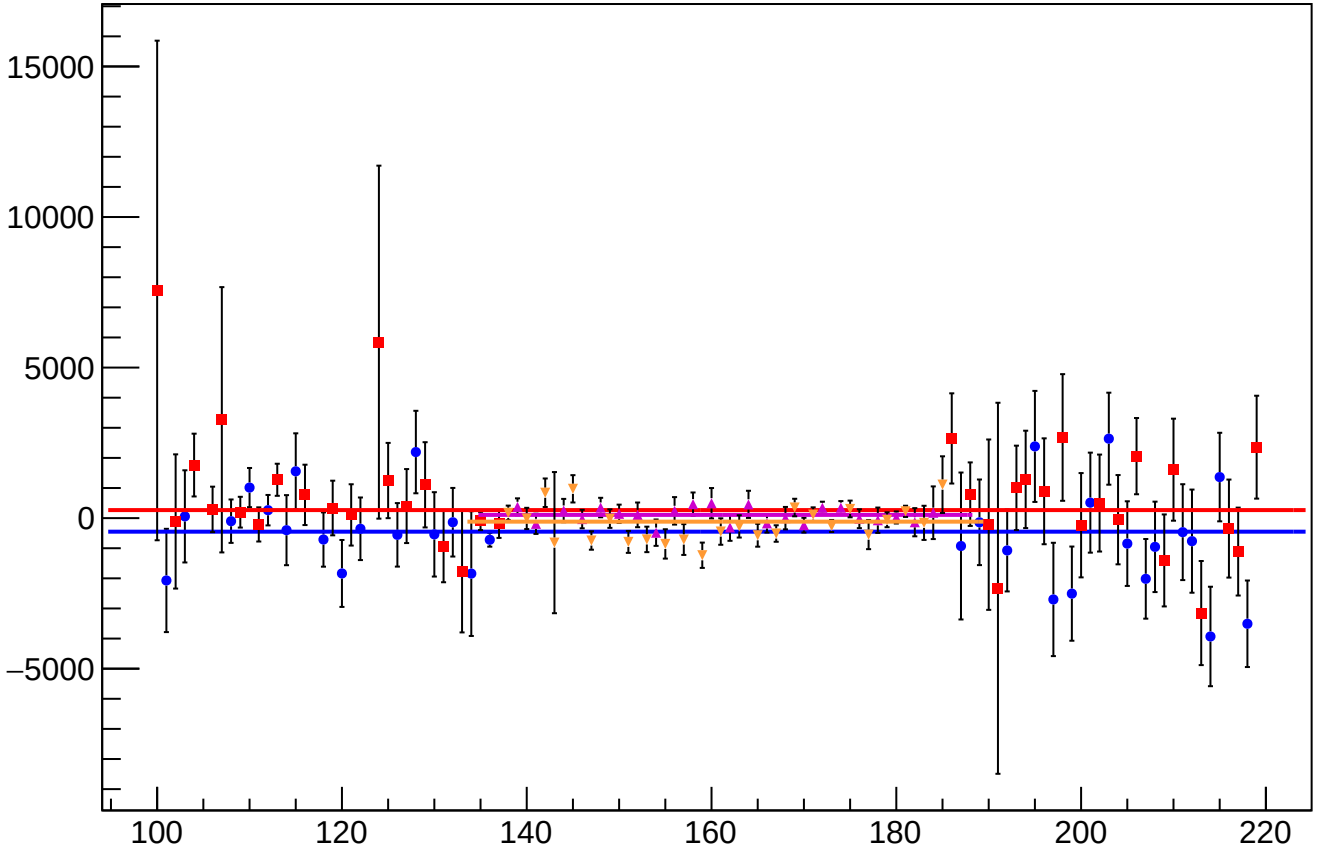
Right: 1278.832+/-0.142 χ^2/NDF: 1044325.9/68

In: 1260.534+/-0.144 χ^2/NDF:583686.8/54

Out: 1269.688+/-0.142 χ^2/NDF:721520.5/61

All: 1265.191+/-0.101 χ^2/NDF: 1307259.2/11

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -449.933+/-154.514 χ^2/NDF: 40.5/31

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 266.937+/-154.502 χ^2/NDF: 29.7/36

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

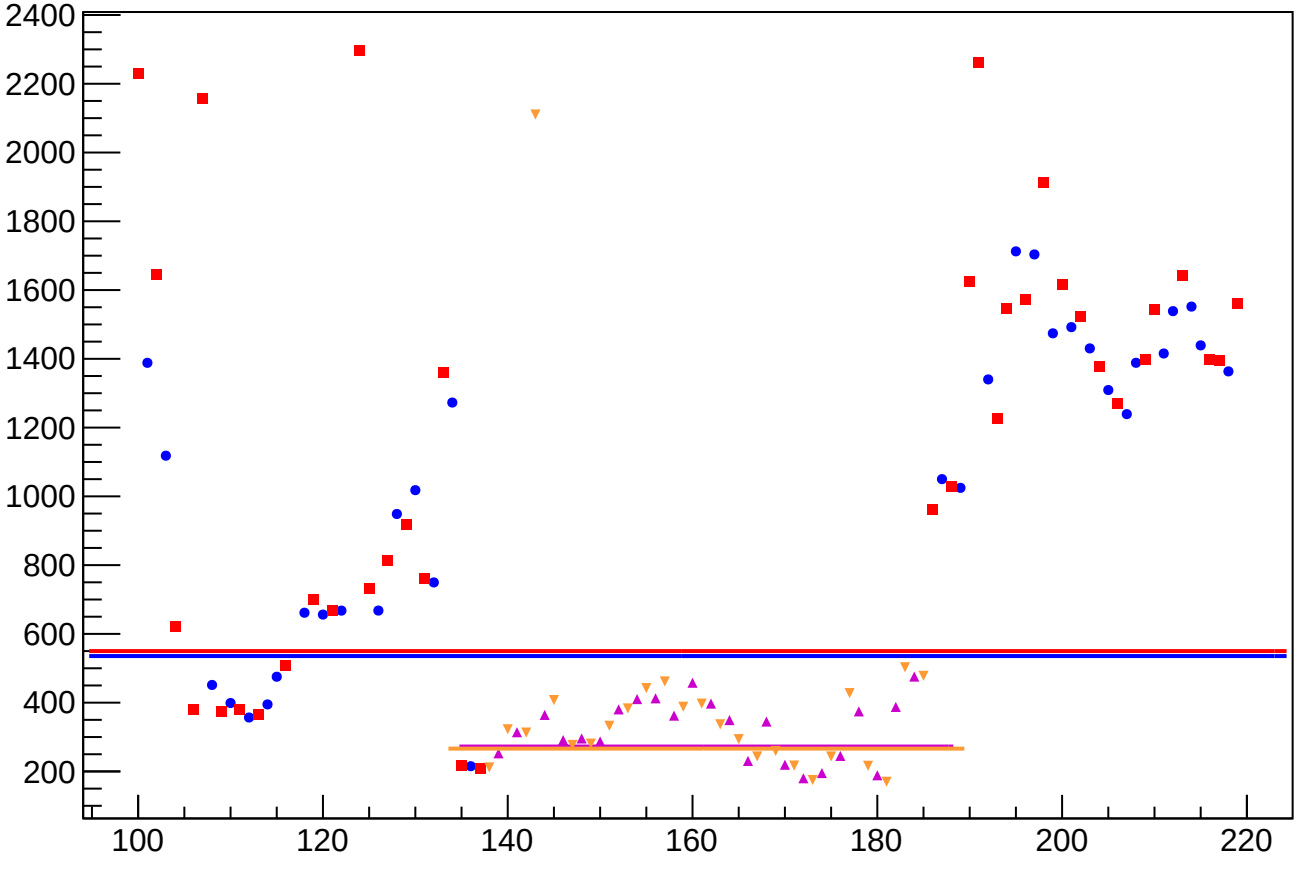
Right: -91.472+/-109.254 χ^2/NDF: 81.0/68

In: 19.236+/-61.472 χ^2/NDF:65.2/54

Out: -59.175+/-59.961 χ^2/NDF:83.4/61

All: -20.945+/-42.923 χ^2/NDF: 149.4/116

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.514+/-0.109 χ^2/NDF: 15942969.3/31

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

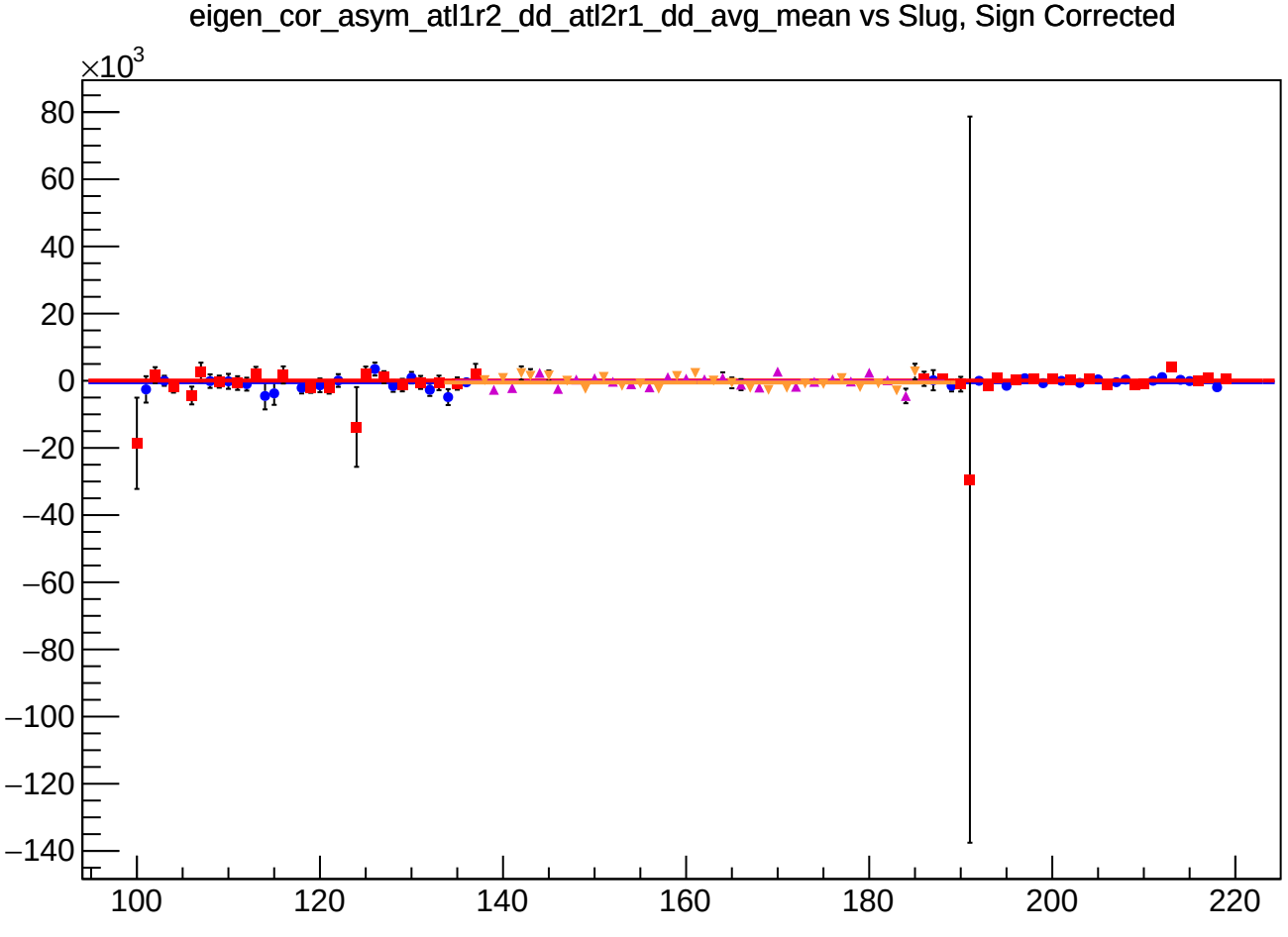
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 542.775+/-0.077 χ^2/NDF: 32500210.8/68

In: 314.026+/-0.043 χ^2/NDF:23712883.4/54

Out: 309.057+/-0.042 χ^2/NDF:26906680.3/61

All: 311.480+/-0.030 χ^2/NDF: 50626260.8/1



Right In: -430.733+/-285.473 χ^2/NDF: 19.5/31

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 61.914+/-280.672 χ^2/NDF: 30.3/36

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

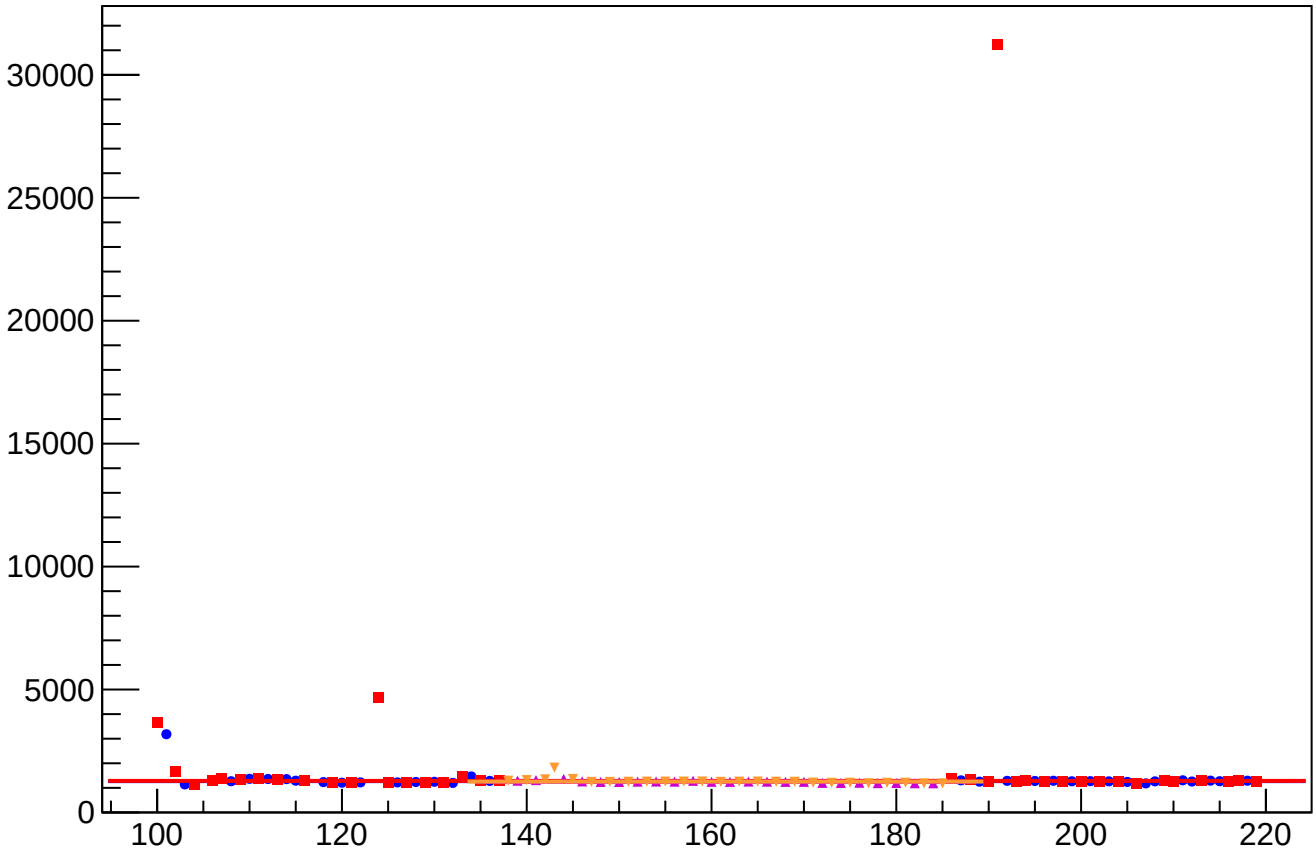
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -180.232+/-200.141 χ^2/NDF: 51.3/68

In: -338.554+/-203.843 χ^2/NDF:51.8/54

Out: -220.895+/-200.303 χ^2/NDF:63.3/61

All: -278.694+/-142.871 χ^2/NDF: 115.2/116



Right In: 1274.165+/-0.202 χ^2/NDF: 534527.0/31

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

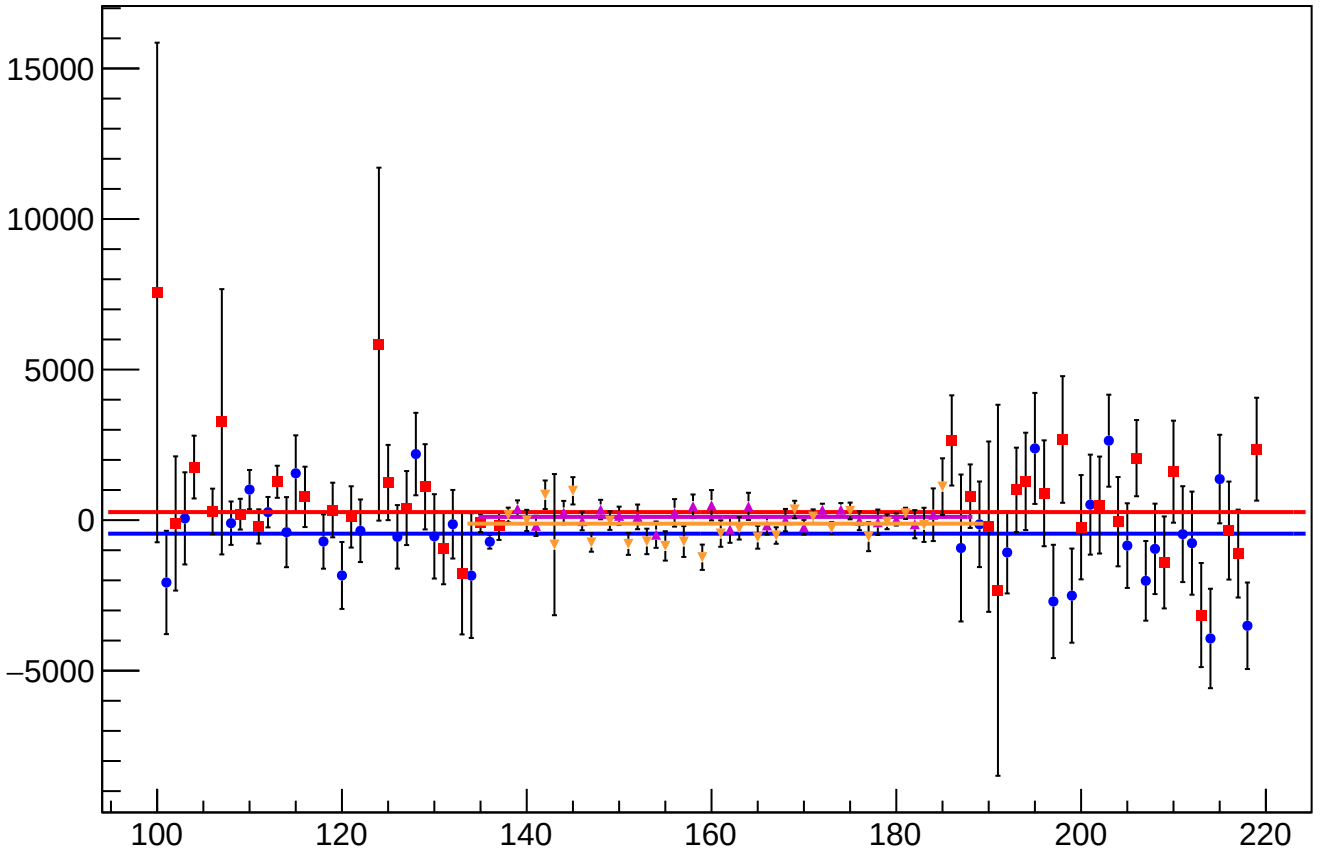
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.832+/-0.142 χ^2/NDF: 1044325.9/68

In: 1260.534+/-0.144 χ^2/NDF:583686.8/54

Out: 1269.688+/-0.142 χ^2/NDF:721520.5/61

All: 1265.191+/-0.101 χ^2/NDF: 1307259.2/11



Right In: -449.933+/-154.514 χ^2/NDF: 40.5/31

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 266.937+/-154.502 χ^2/NDF: 29.7/36

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

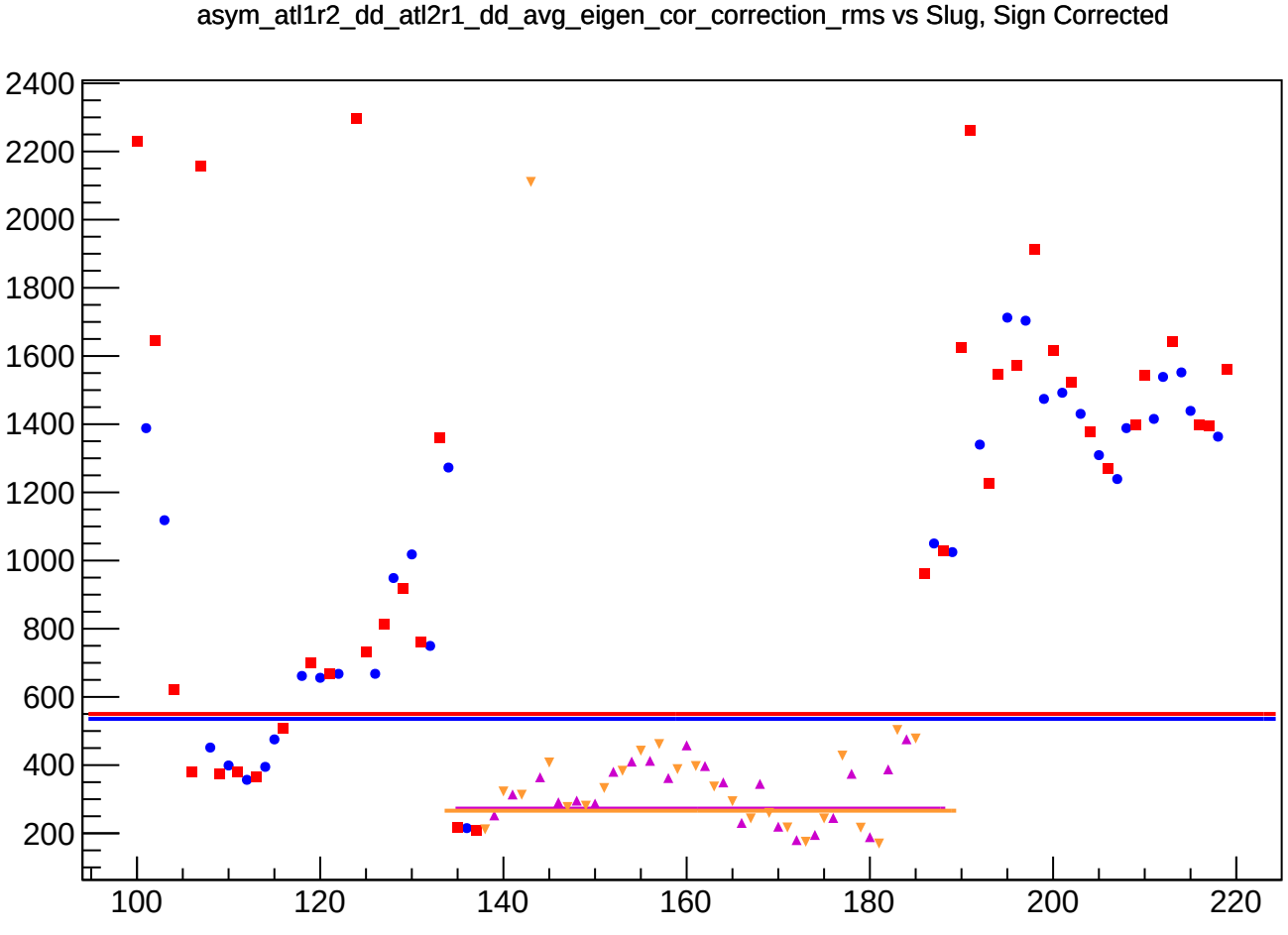
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -91.472+/-109.254 χ^2/NDF: 81.0/68

In: 19.236+/-61.472 χ^2/NDF:65.2/54

Out: -59.175+/-59.961 χ^2/NDF:83.4/61

All: -20.945+/-42.923 χ^2/NDF: 149.4/116



Right In: 535.514+/-0.109 χ^2/NDF: 15942969.3/31

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

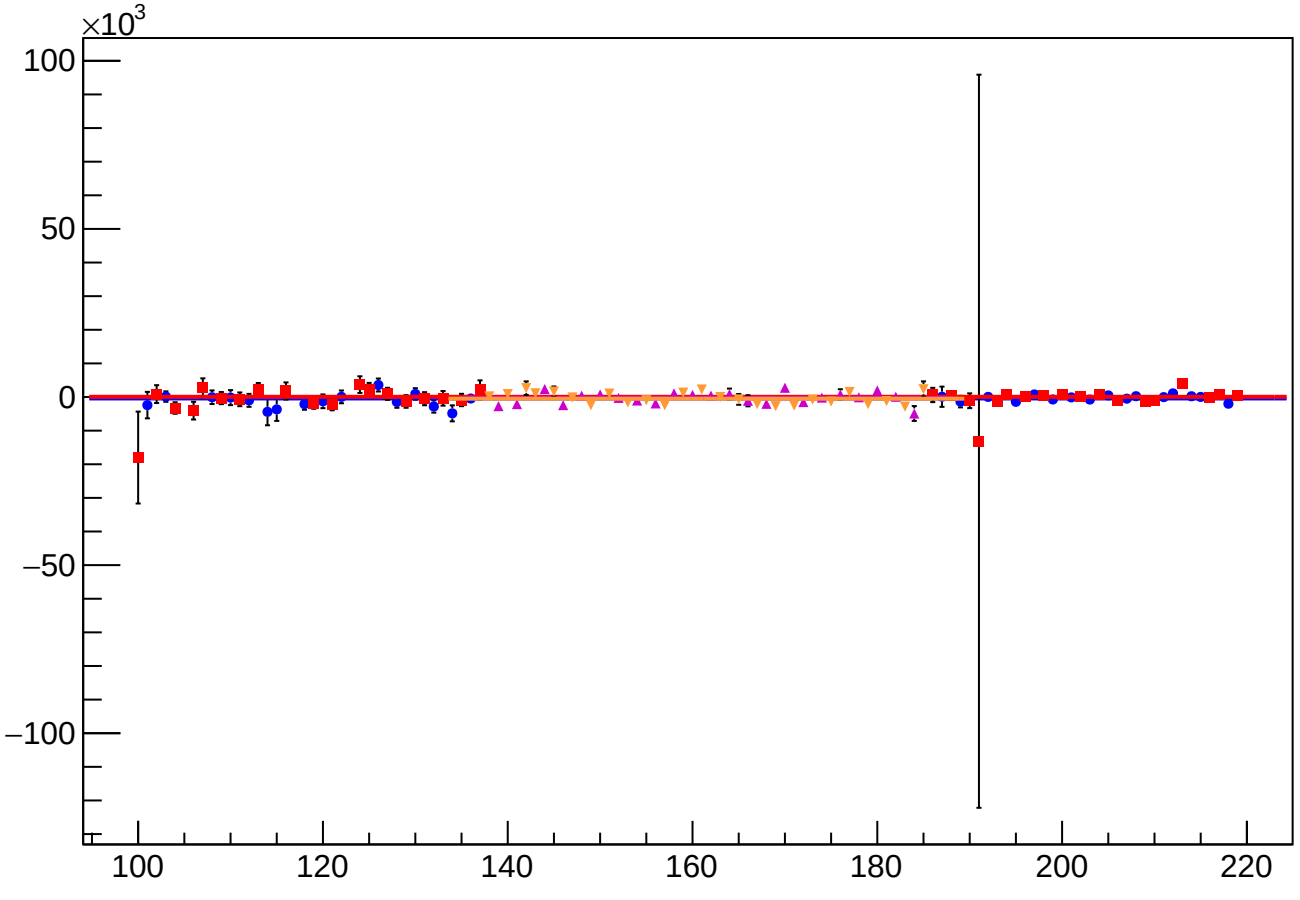
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 542.775+/-0.077 χ^2/NDF: 32500210.8/68

In: 314.026+/-0.043 χ^2/NDF:23712883.4/54

Out: 309.057+/-0.042 χ^2/NDF:26906680.3/61

All: 311.480+/-0.030 χ^2/NDF: 50626260.8/11



Right In: -425.123+/-286.211 χ^2/NDF: 19.6/31

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 62.295+/-280.261 χ^2/NDF: 32.2/36

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

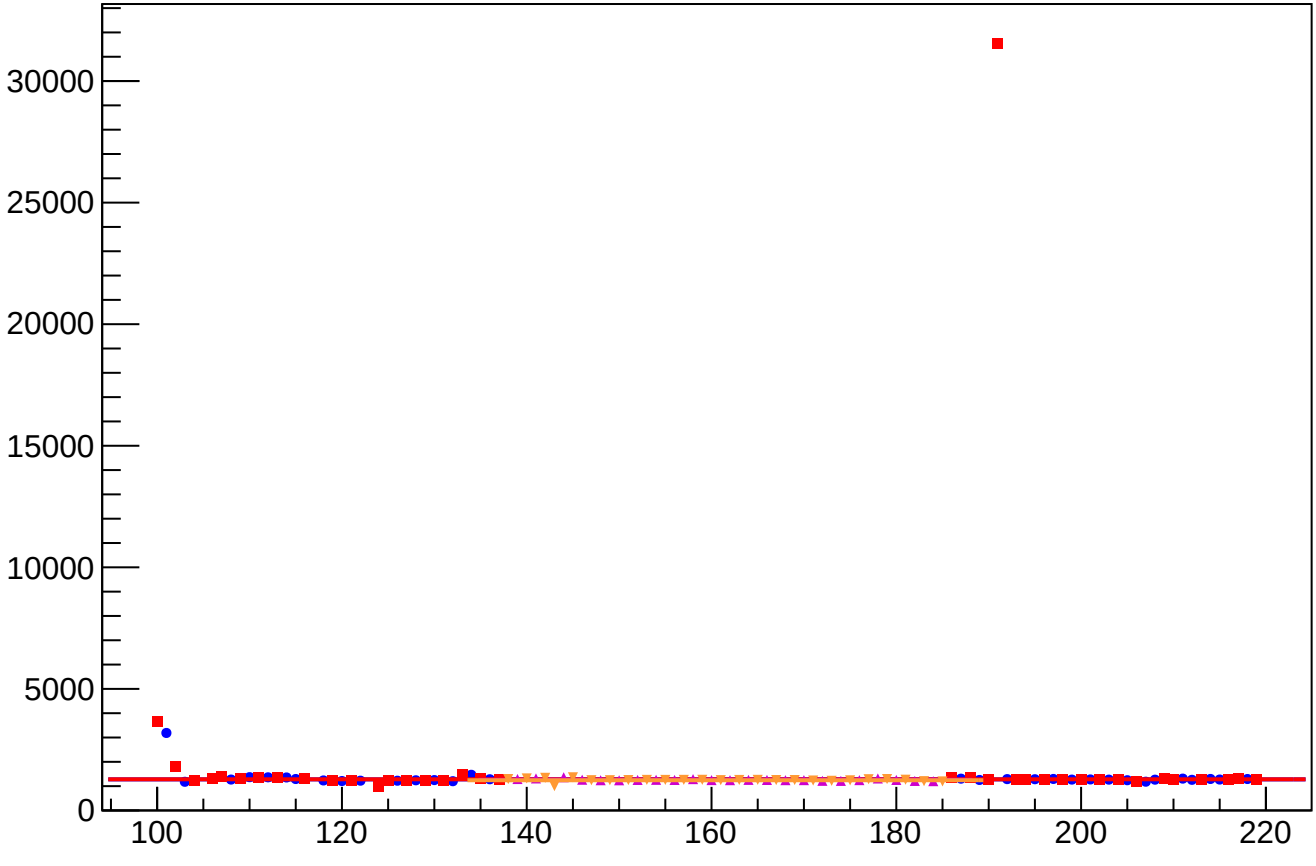
Right: -176.295+/-200.245 χ^2/NDF: 53.2/68

In: -336.127+/-205.195 χ^2/NDF:50.5/54

Out: -213.129+/-199.043 χ^2/NDF:68.3/61

All: -272.757+/-142.870 χ^2/NDF: 119.0/116

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1277.529+/-0.202 χ^2/NDF: 527045.1/31

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1281.524+/-0.198 χ^2/NDF: 389060.8/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

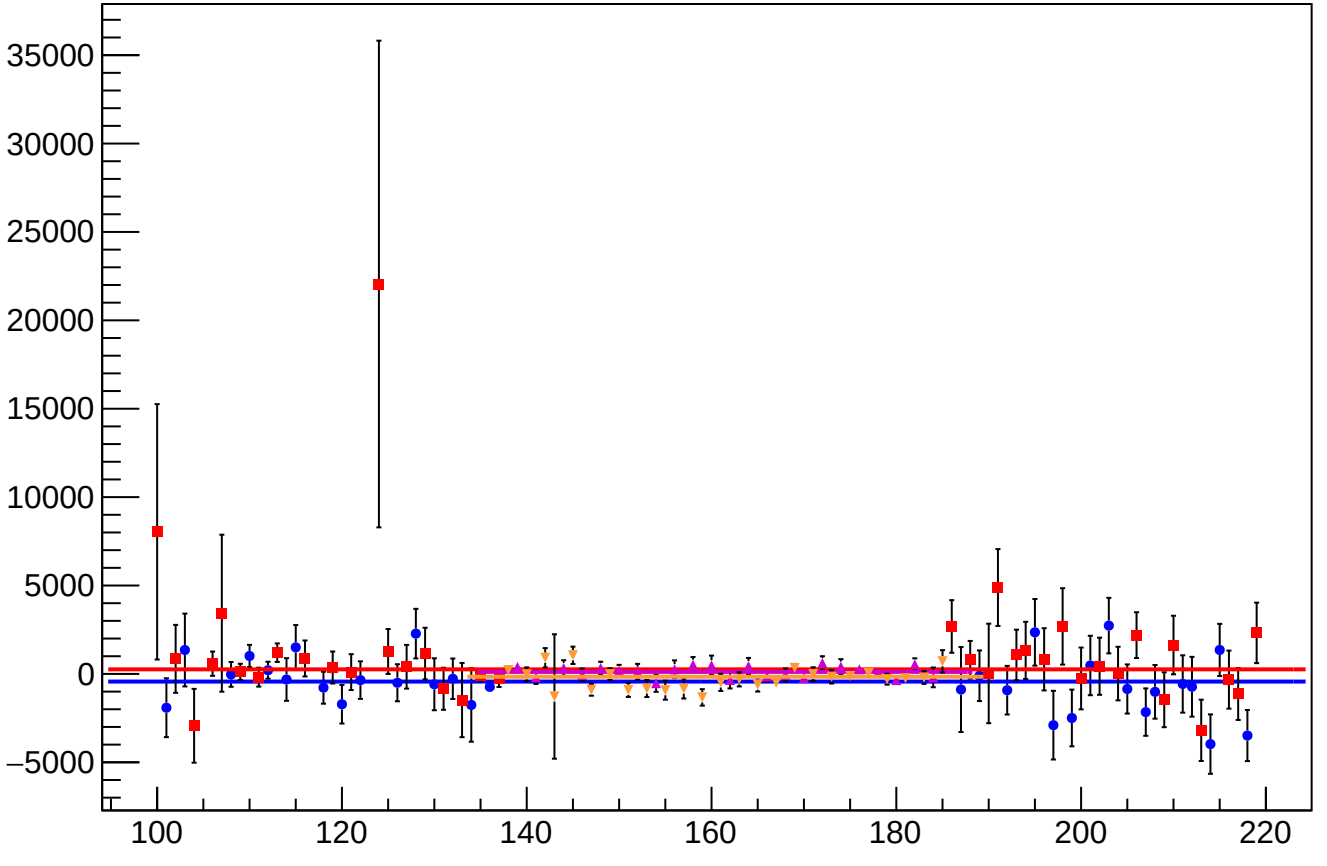
Right: 1279.568+/-0.142 χ^2/NDF: 916304.9/68

In: 1269.055+/-0.145 χ^2/NDF:558584.2/54

Out: 1262.203+/-0.141 χ^2/NDF:538263.1/61

All: 1265.525+/-0.101 χ^2/NDF: 1097996.4/11

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -433.713+/-156.119 χ^2/NDF: 41.0/31

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 257.785+/-154.587 χ^2/NDF: 36.5/36

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

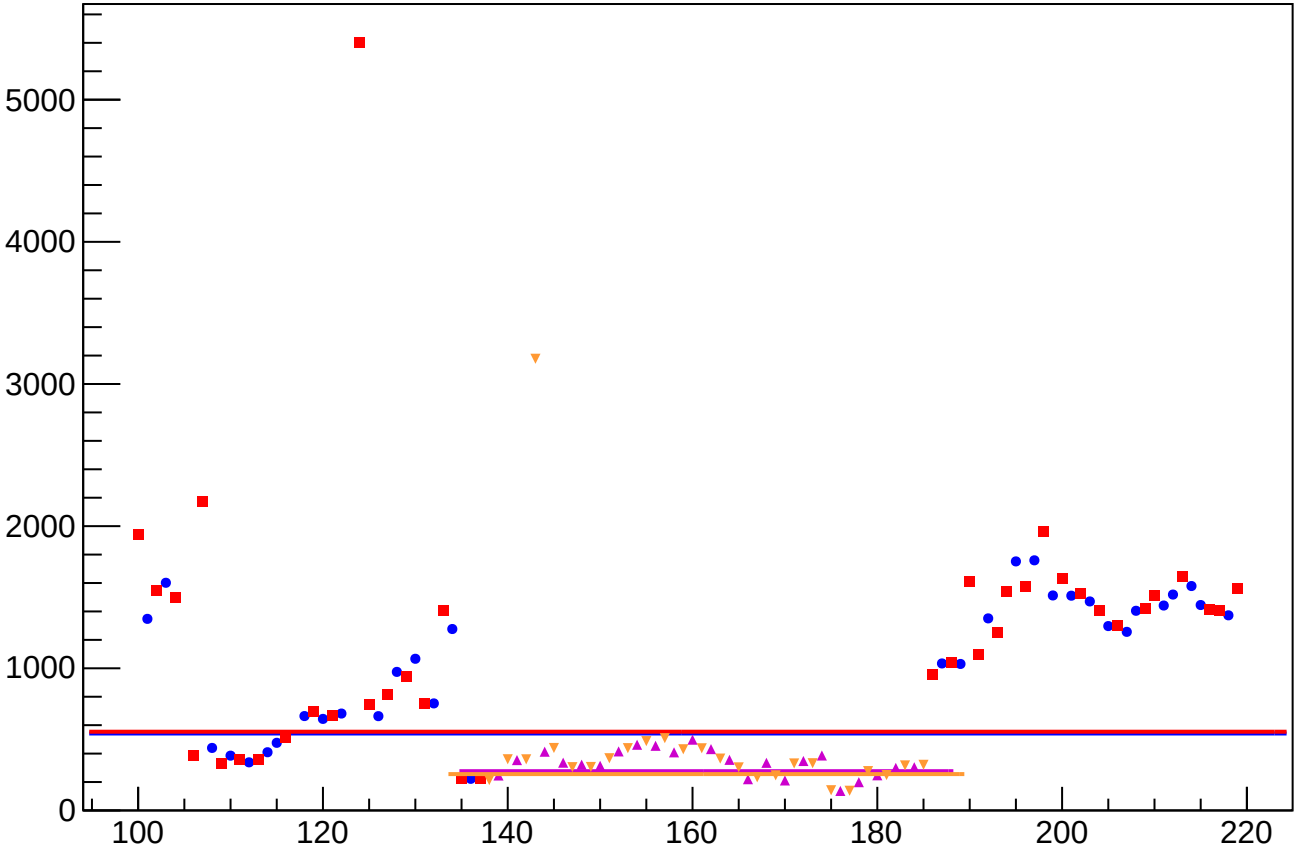
Right: -84.553+/-109.847 χ^2/NDF: 87.3/68

In: 24.608+/-62.989 χ^2/NDF:69.5/54

Out: -99.445+/-59.237 χ^2/NDF:86.5/61

All: -41.223+/-43.152 χ^2/NDF: 158.0/116

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 541.429+/-0.110 χ^2/NDF: 16077659.3/31

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 553.956+/-0.109 χ^2/NDF: 17057086.1/36

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

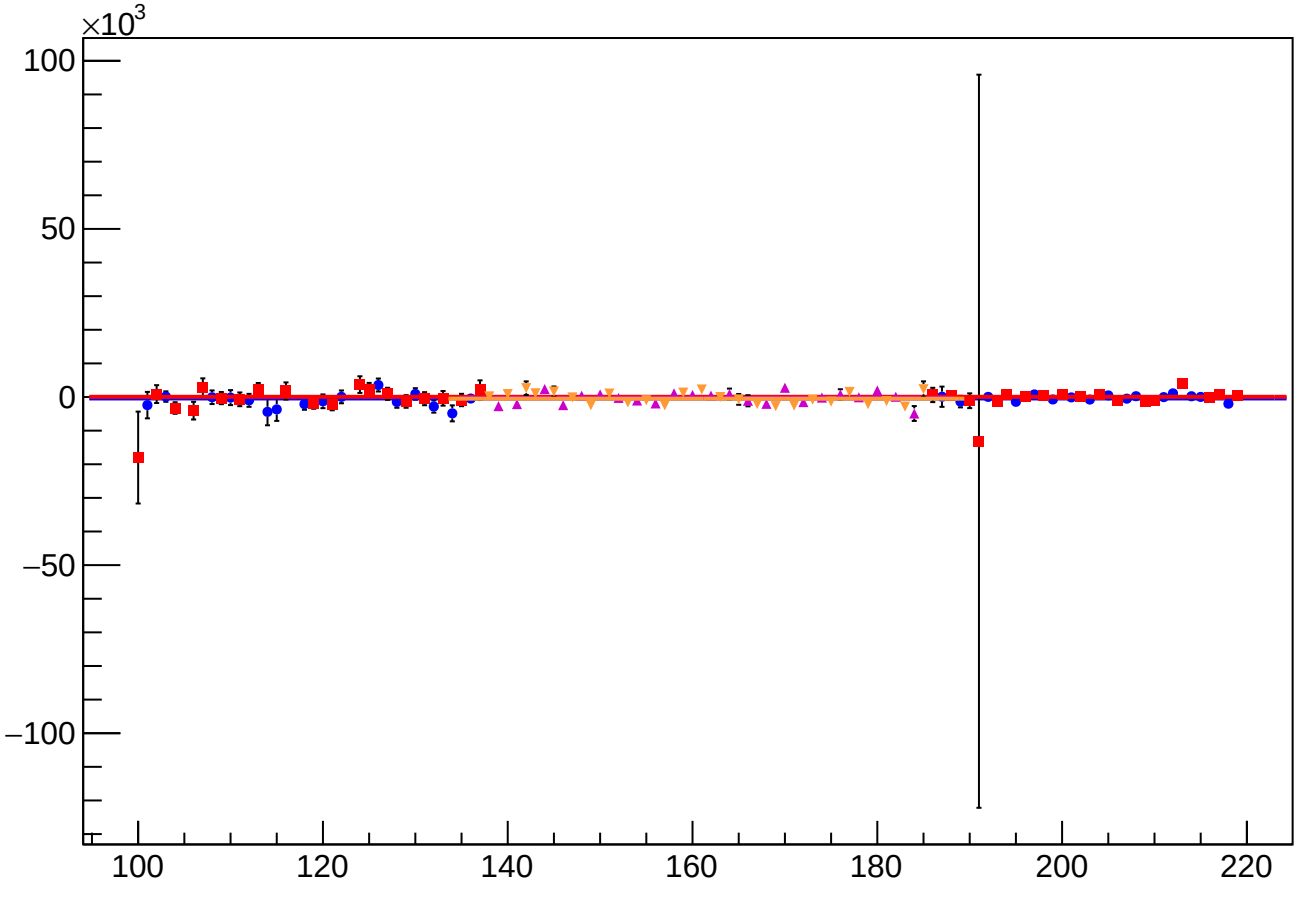
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 547.754+/-0.078 χ^2/NDF: 33141247.8/68

In: 319.458+/-0.045 χ^2/NDF:24934254.6/54

Out: 299.554+/-0.042 χ^2/NDF:29779900.1/61

All: 308.896+/-0.031 χ^2/NDF: 54820122.8/11



Right In: -425.121+/-286.211 χ^2/NDF: 19.6/31

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 62.294+/-280.261 χ^2/NDF: 32.2/36

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

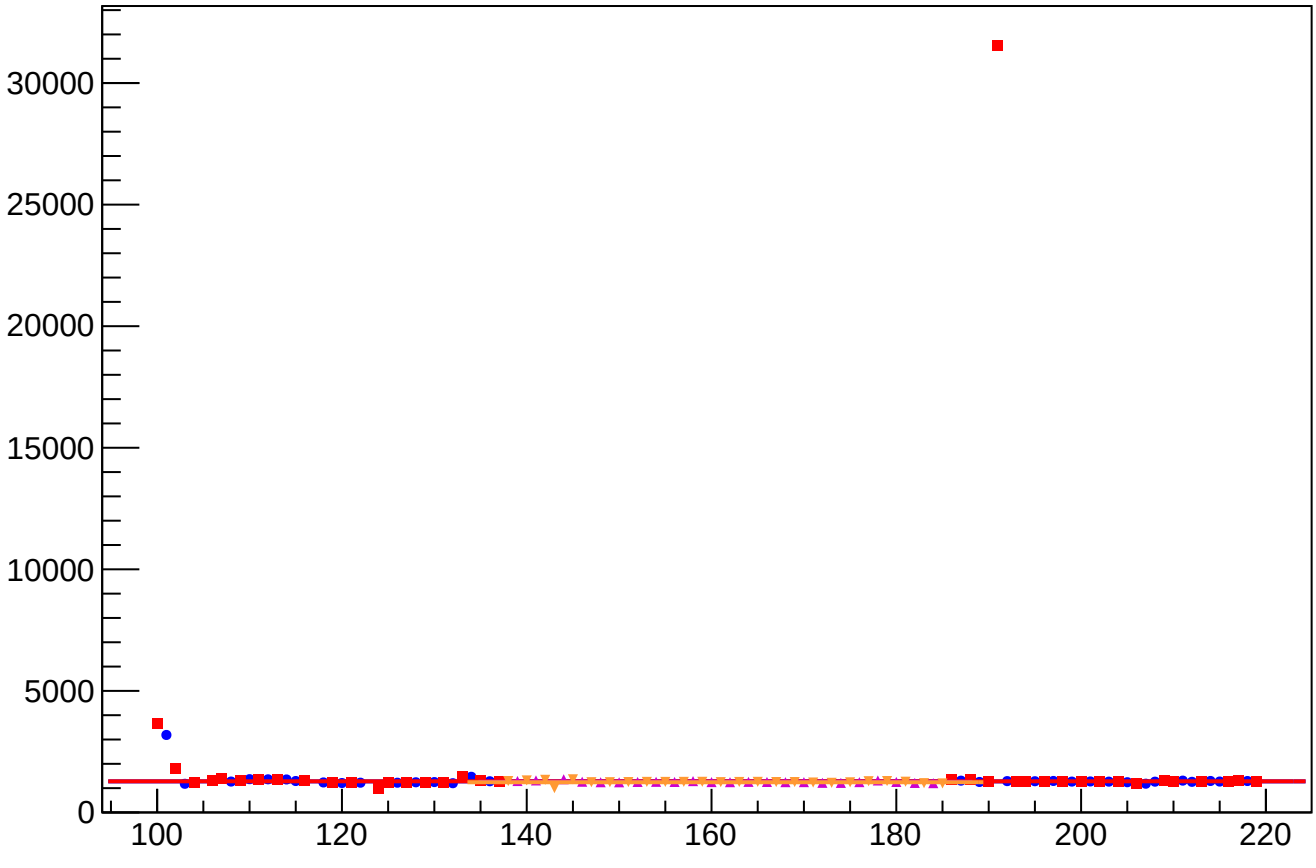
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -176.294+/-200.245 χ^2/NDF: 53.2/68

In: -336.126+/-205.195 χ^2/NDF:50.5/54

Out: -213.129+/-199.043 χ^2/NDF:68.3/61

All: -272.756+/-142.870 χ^2/NDF: 119.0/116



Right In: 1277.529+/-0.202 χ^2/NDF: 527045.1/31

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1281.524+/-0.198 χ^2/NDF: 389061.1/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

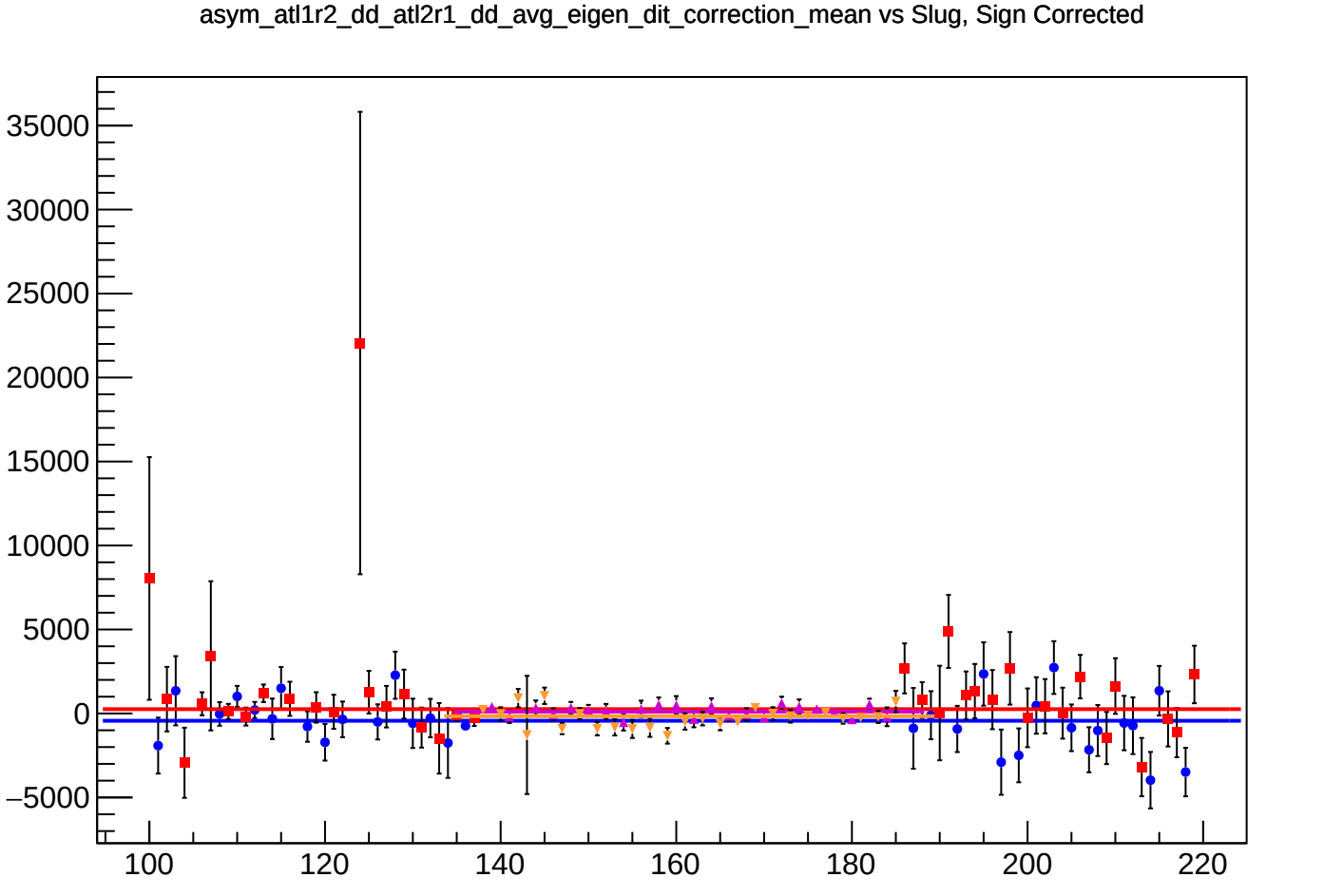
Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

Right: 1279.568+/-0.142 χ^2/NDF: 916305.2/68

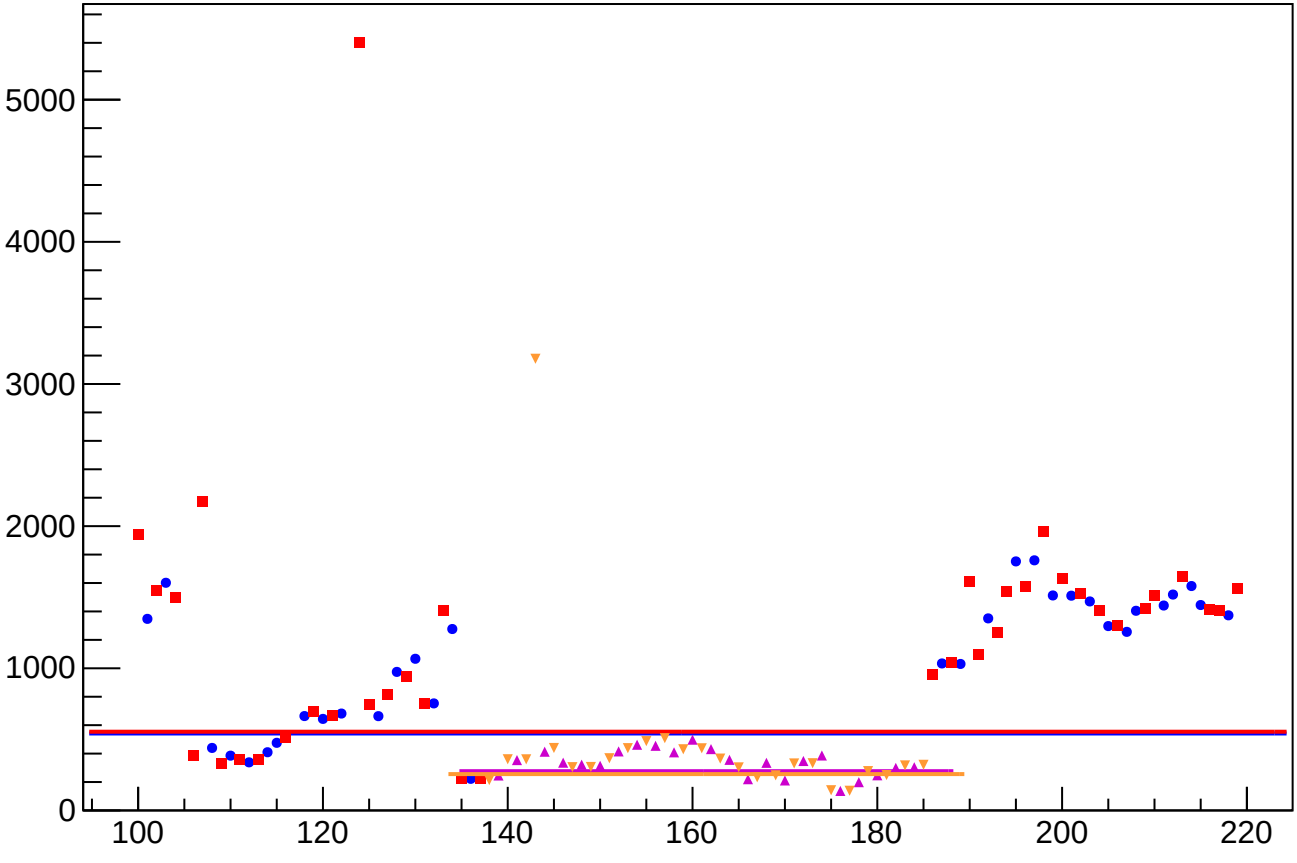
In: 1269.055+/-0.145 χ^2/NDF:558584.2/54

Out: 1262.203+/-0.141 χ^2/NDF:538262.5/61

All: 1265.525+/-0.101 χ^2/NDF: 1097995.9/11


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: -433.716+/-156.121 χ²/NDF: 41.0/31
Left Out: -160.933+/-64.133 χ²/NDF:43.8/24
Right Out: 257.793+/-154.588 χ²/NDF: 36.5/36
Left In: 113.720+/-68.841 χ²/NDF:18.2/22
Left: -33.318+/-46.925 χ²/NDF: 70.5/47
Right: -84.550+/-109.848 χ²/NDF: 87.3/68
In: 24.608+/-62.989 χ²/NDF:69.5/54
Out: -99.448+/-59.237 χ²/NDF:86.5/61
All: -41.224+/-43.153 χ²/NDF: 158.0/116

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 541.442+/-0.110 χ^2/NDF: 16077189.3/31

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 553.967+/-0.109 χ^2/NDF: 17056723.2/36

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

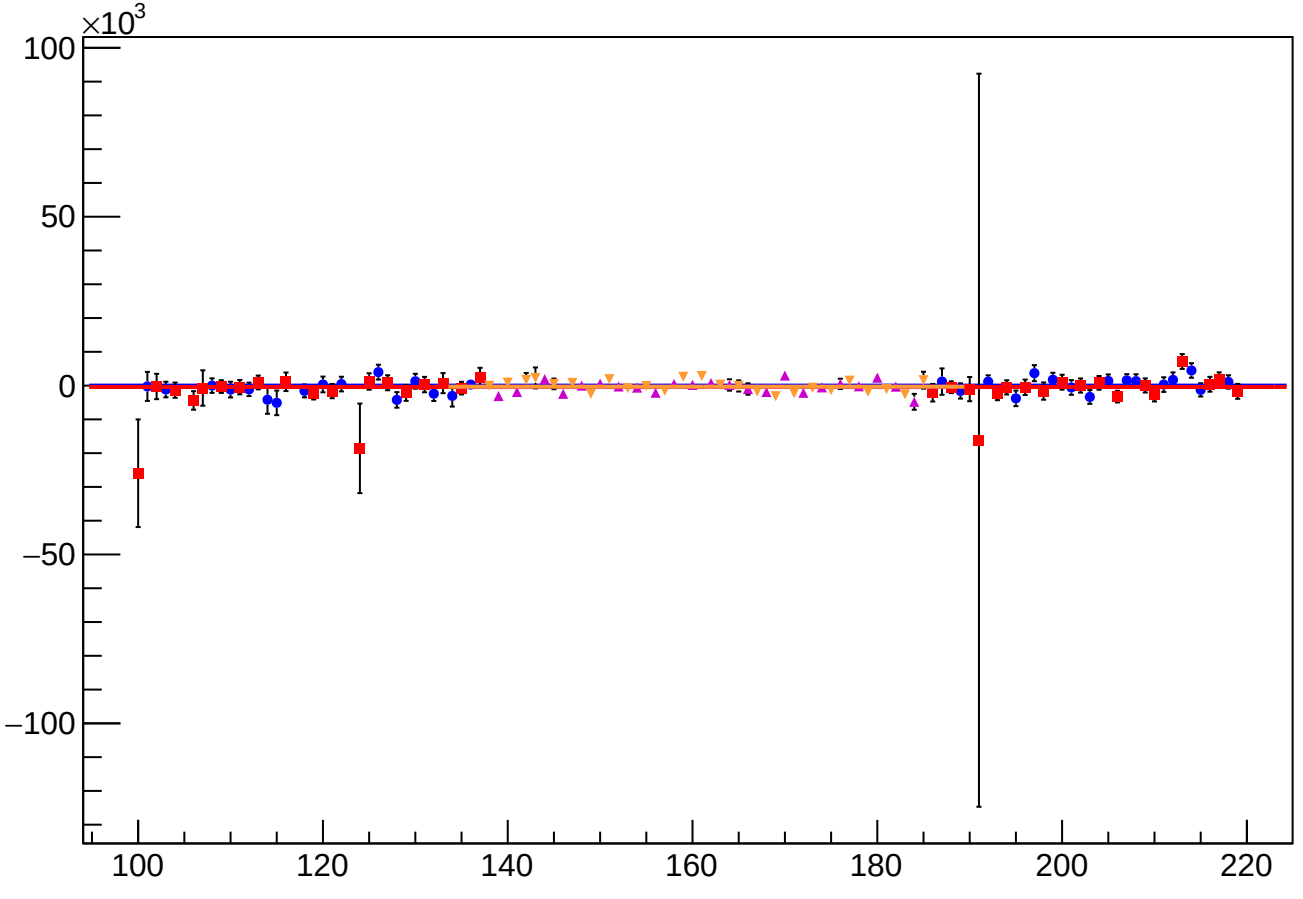
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 547.766+/-0.078 χ^2/NDF: 33140411.8/68

In: 319.459+/-0.045 χ^2/NDF:24934086.5/54

Out: 299.556+/-0.042 χ^2/NDF:29779689.8/61

All: 308.897+/-0.031 χ^2/NDF: 54819738.6/11



Right In: -3.835+/-386.837 χ^2/NDF: 30.5/31

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -416.568+/-383.461 χ^2/NDF: 31.1/36

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

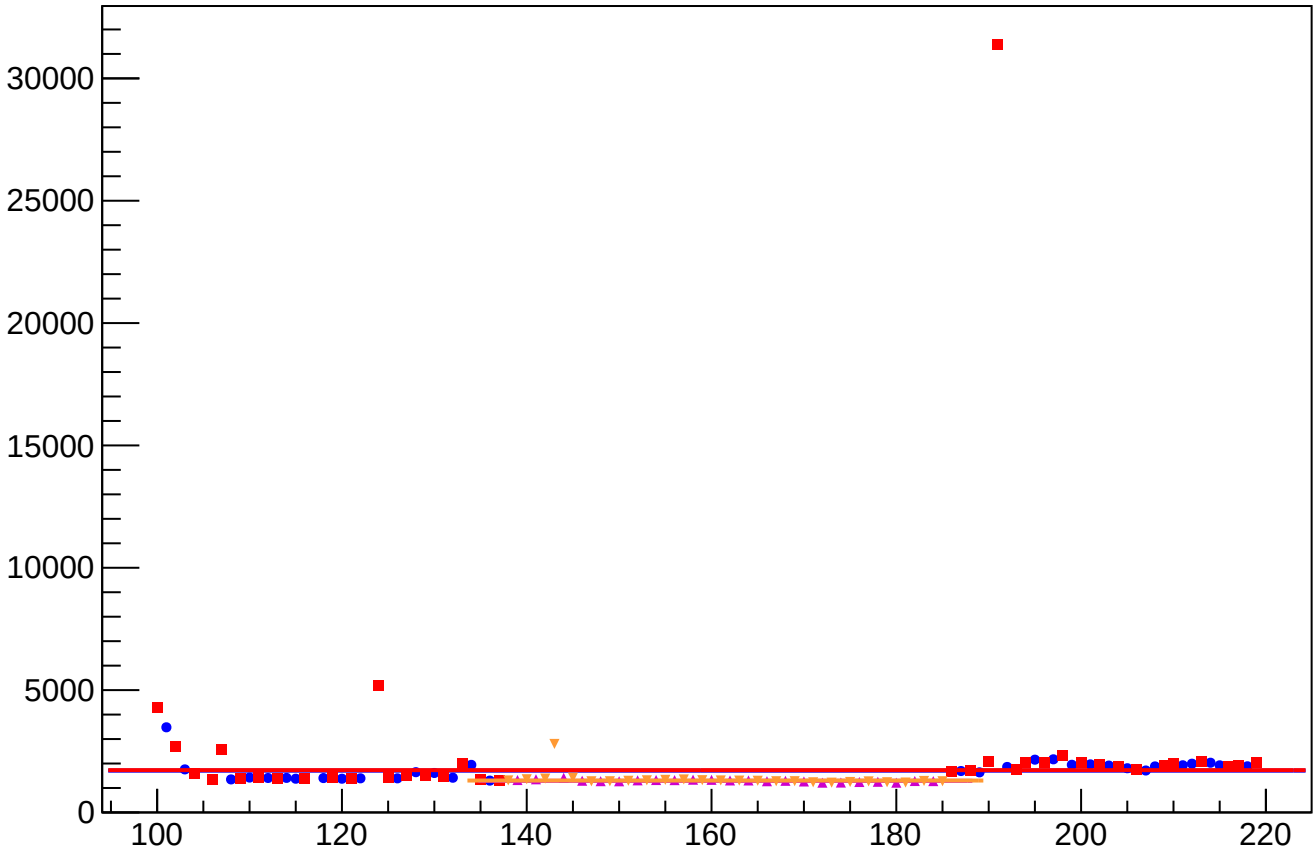
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -212.010+/-272.334 χ^2/NDF: 62.2/68

In: -222.936+/-238.000 χ^2/NDF:60.7/54

Out: -356.243+/-235.434 χ^2/NDF:62.7/61

All: -290.312+/-167.377 χ^2/NDF: 123.5/116



Right In: 1708.263+/-0.274 χ^2/NDF: 1296769.5/31

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1729.554+/-0.271 χ^2/NDF: 1574246.7/36

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

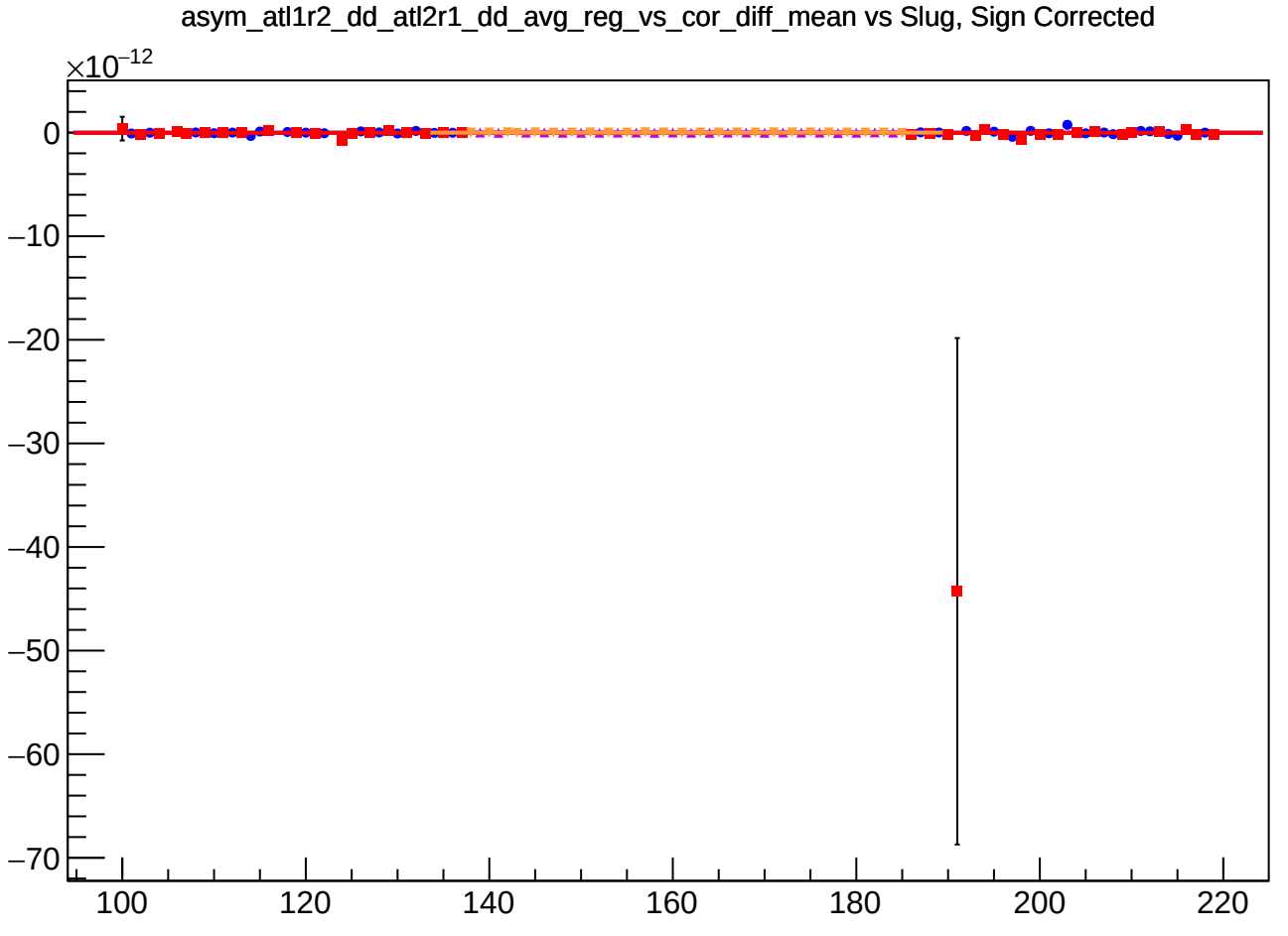
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1719.002+/-0.193 χ^2/NDF: 2874071.8/68

In: 1449.644+/-0.168 χ^2/NDF:2783498.2/54

Out: 1464.514+/-0.166 χ^2/NDF:3627392.5/61

All: 1457.160+/-0.118 χ^2/NDF: 6414836.7/11



Right In: -0.000+/-0.000 χ^2/NDF: 34.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 44.4/36

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

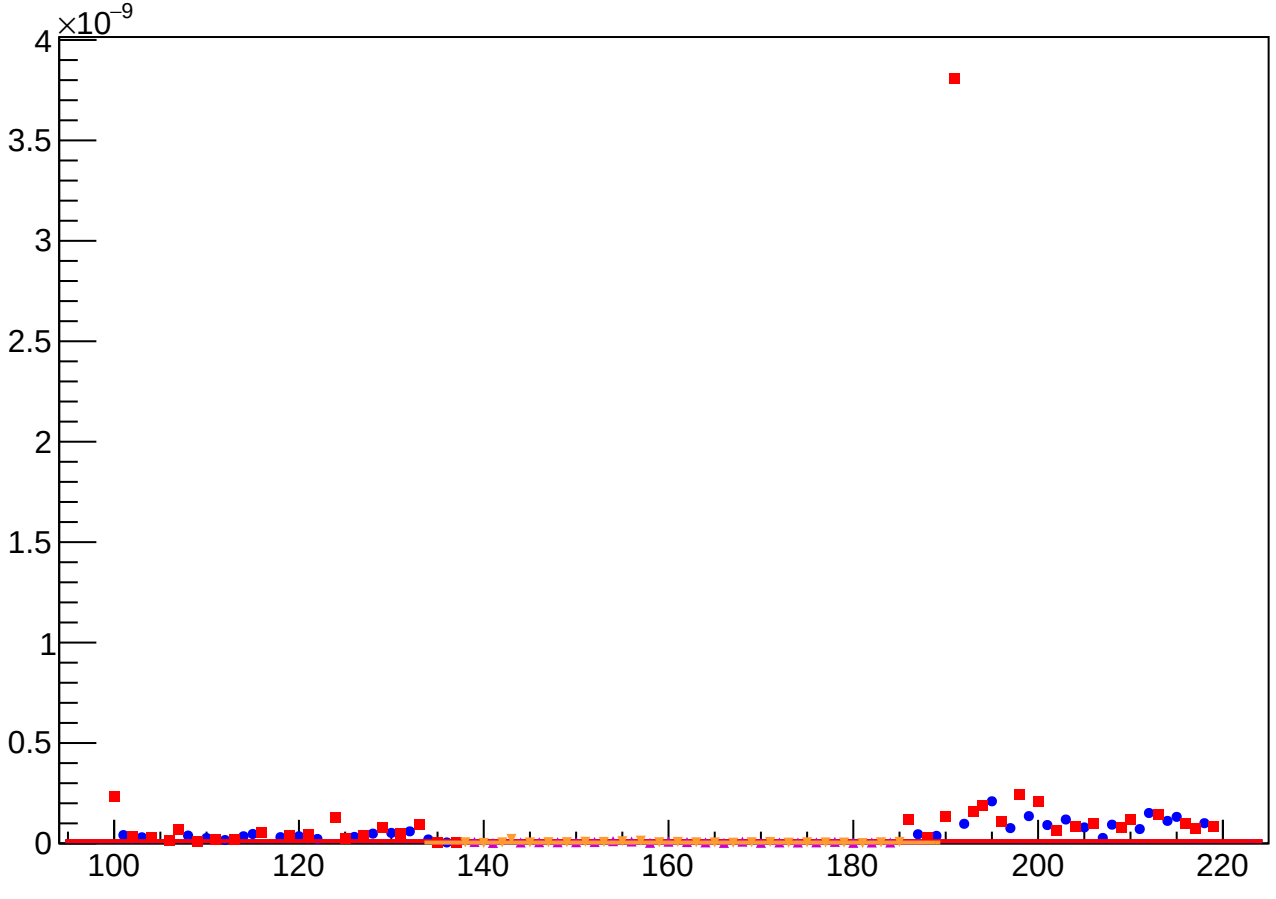
Right: -0.000+/-0.000 χ^2/NDF: 78.6/68

In: -0.000+/-0.000 χ^2/NDF:65.8/54

Out: -0.000+/-0.000 χ^2/NDF:71.7/61

All: -0.000+/-0.000 χ^2/NDF: 137.9/116

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10777670.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12572890.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

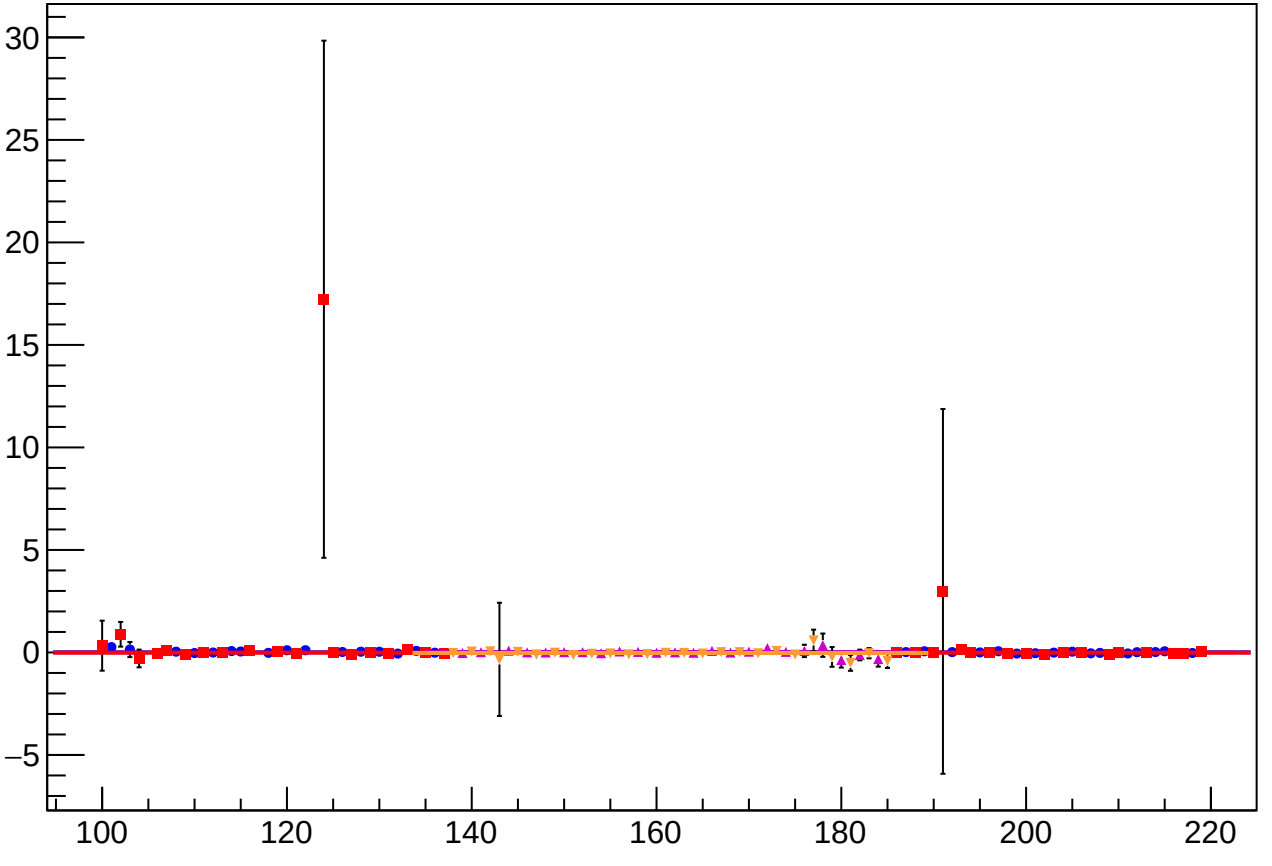
Right: 0.000+/-0.000 χ^2/NDF: 23360070.2/68

In: 0.000+/-0.000 χ^2/NDF:13922319.1/54

Out: 0.000+/-0.000 χ^2/NDF:16800125.4/61

All: 0.000+/-0.000 χ^2/NDF: 30752290.7/116

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.010 χ^2/NDF: 19.2/31

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

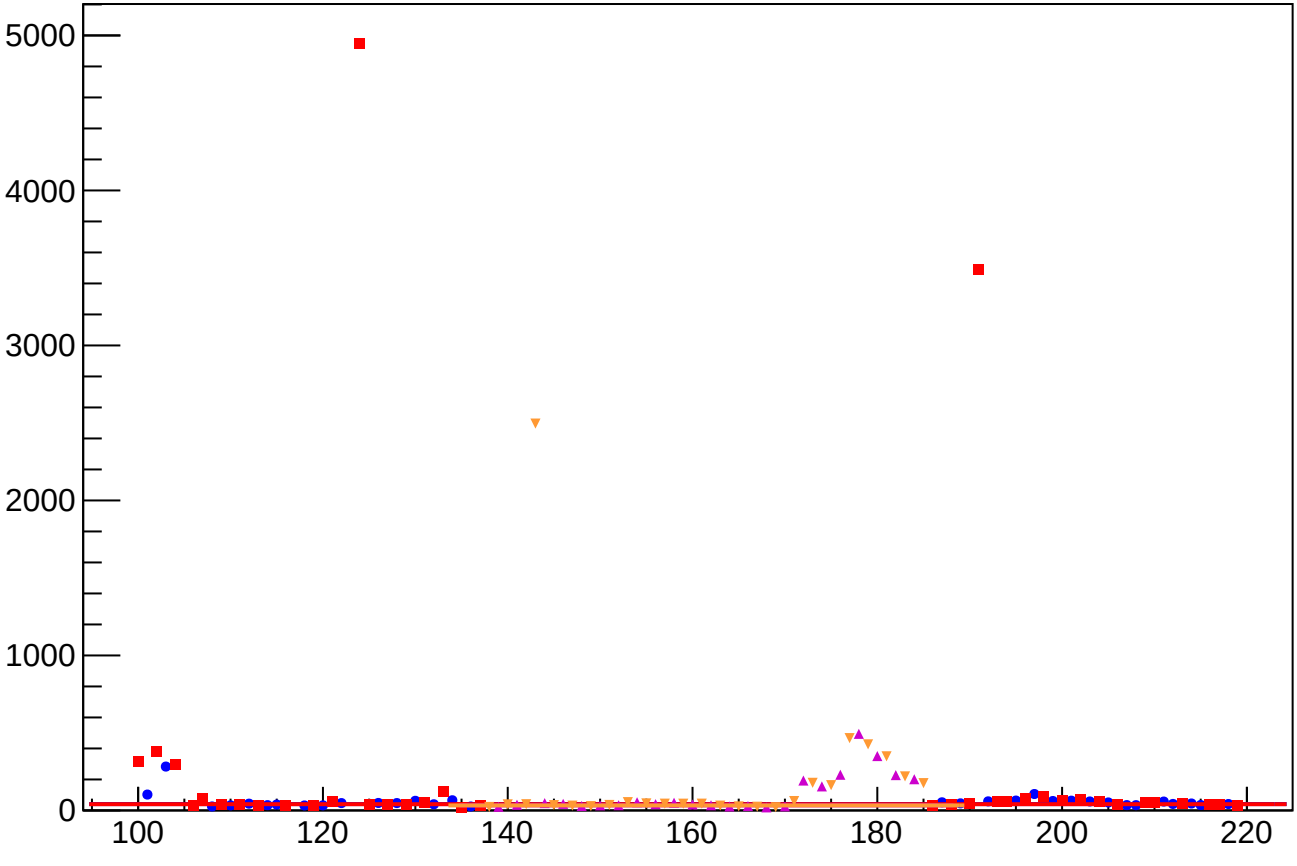
Right: -0.002+/-0.007 χ^2/NDF: 51.4/68

In: 0.009+/-0.007 χ^2/NDF:32.4/54

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 101.5/116

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.228+/-0.007 χ^2/NDF: 4315175.4/31

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

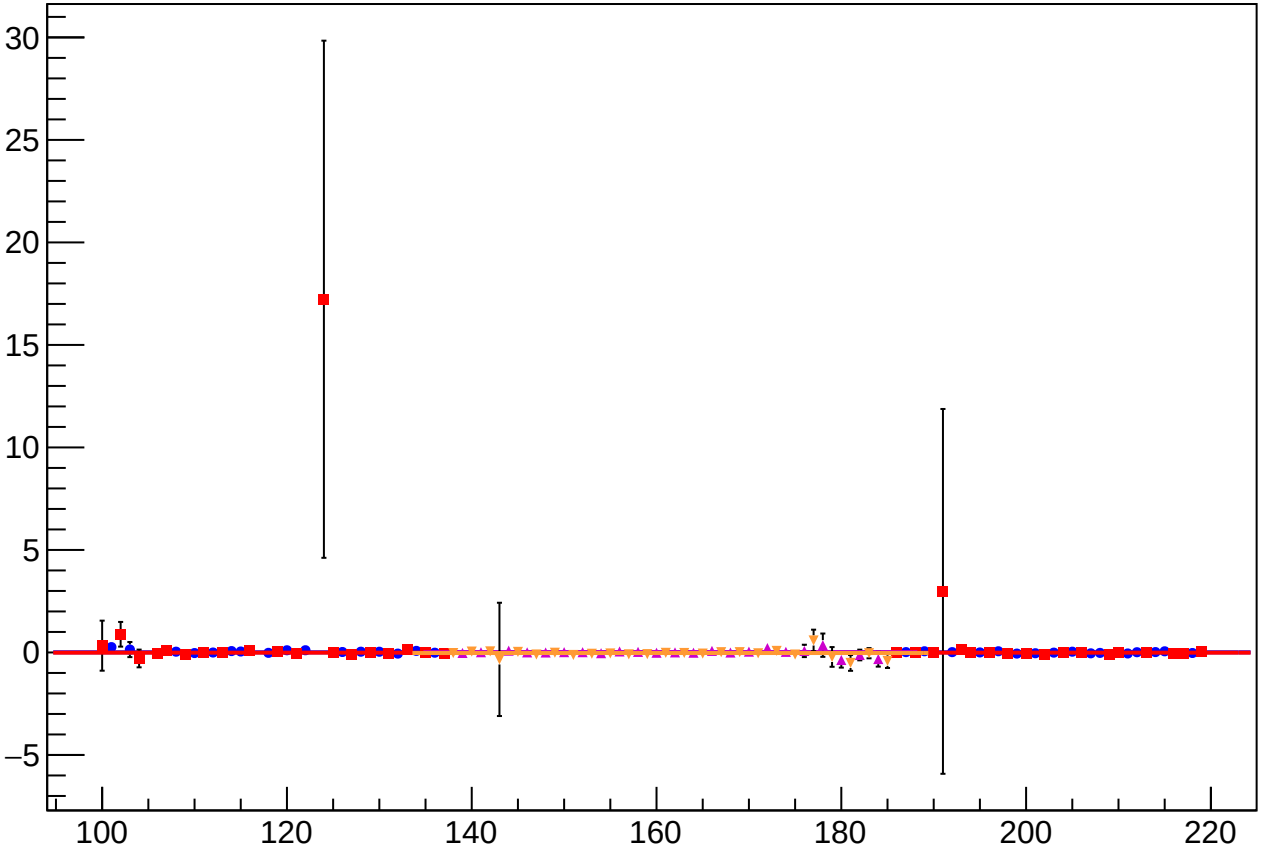
Right: 40.804+/-0.005 χ^2/NDF: 9963714.2/68

In: 36.610+/-0.005 χ^2/NDF:14006951.3/54

Out: 36.266+/-0.005 χ^2/NDF:17158533.0/61

All: 36.436+/-0.003 χ^2/NDF: 31167927.6/116

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: 19.2/31

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

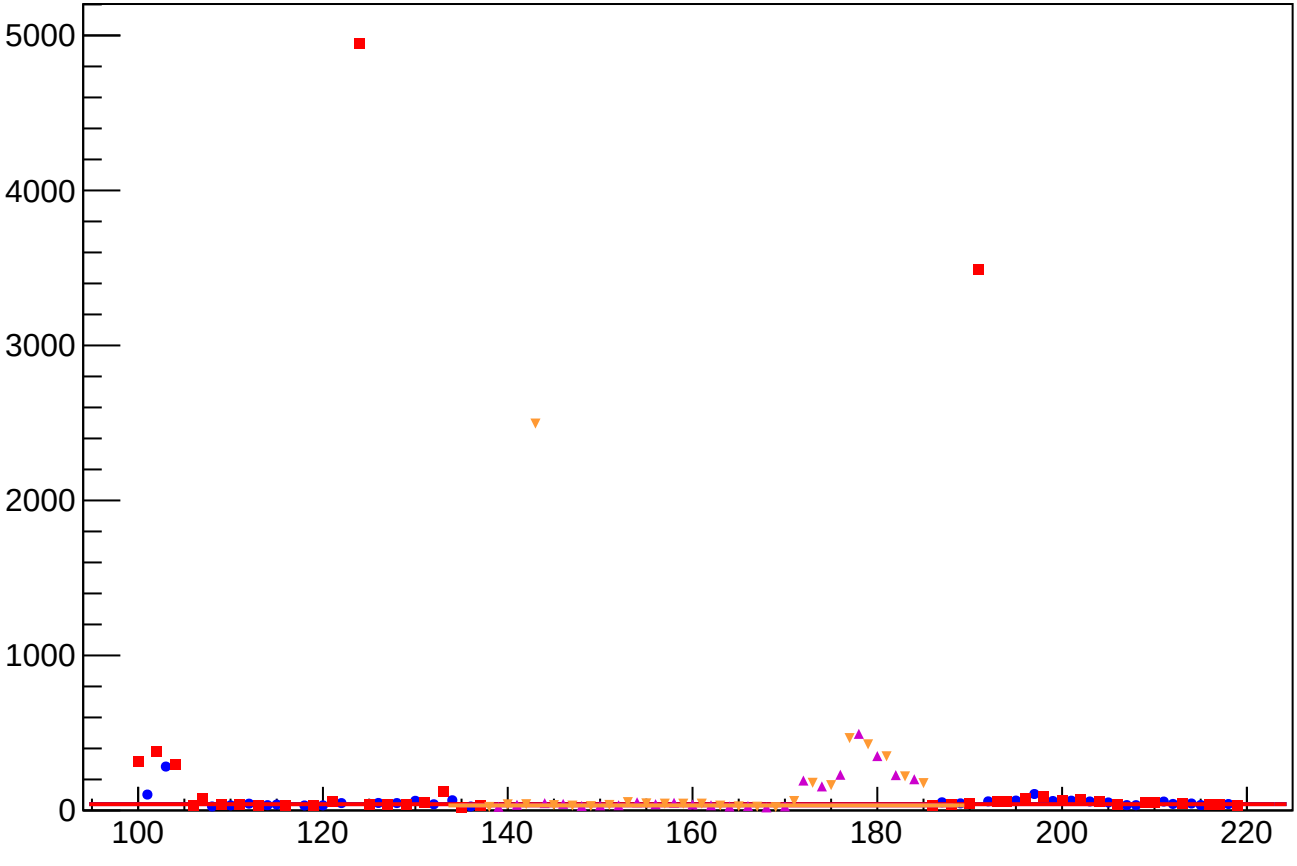
Right: -0.002+/-0.007 χ^2/NDF: 51.4/68

In: 0.009+/-0.007 χ^2/NDF:32.4/54

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 101.5/116

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.228+/-0.007 χ^2/NDF: 4315175.4/31

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

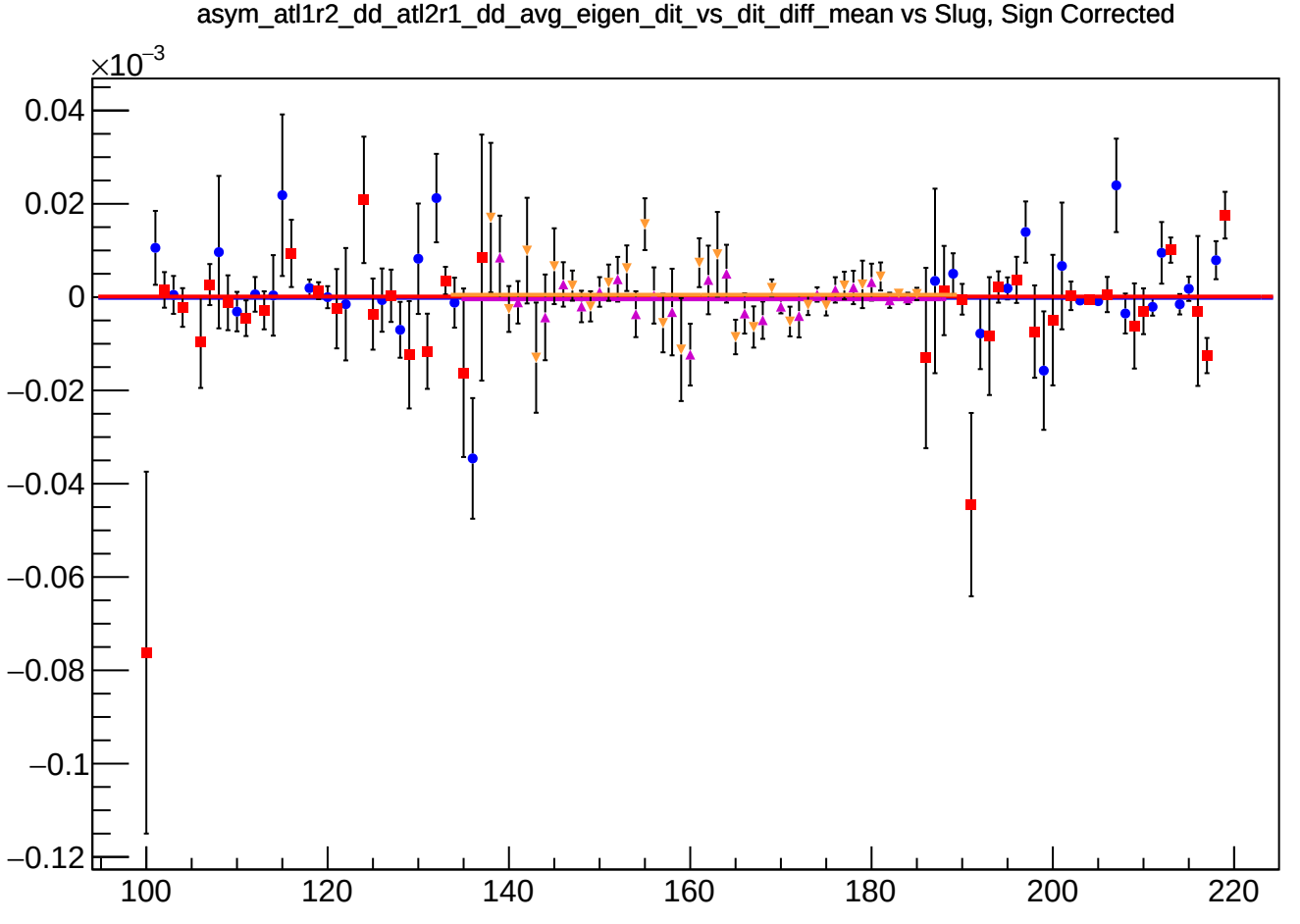
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 40.804+/-0.005 χ^2/NDF: 9963714.2/68

In: 36.610+/-0.005 χ^2/NDF:14006951.3/54

Out: 36.266+/-0.005 χ^2/NDF:17158533.0/61

All: 36.436+/-0.003 χ^2/NDF: 31167927.6/116



Right In: -0.000+/-0.000 χ^2/NDF: 44.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 64.3/36

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

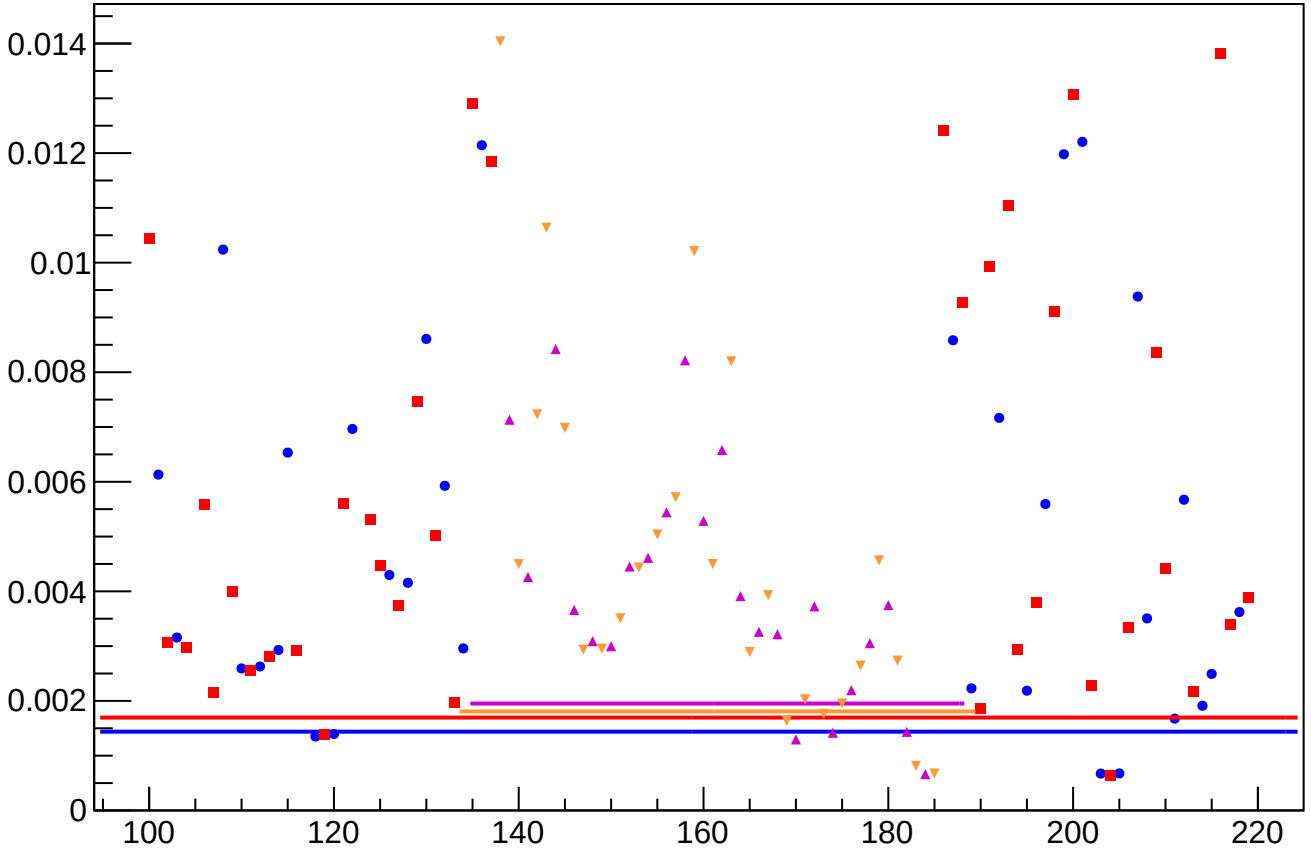
Right: -0.000+/-0.000 χ^2/NDF: 109.3/68

In: -0.000+/-0.000 χ^2/NDF:58.7/54

Out: 0.000+/-0.000 χ^2/NDF:100.3/61

All: 0.000+/-0.000 χ^2/NDF: 160.1/116

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: 17883607.9/31

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 19241886.0/36

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

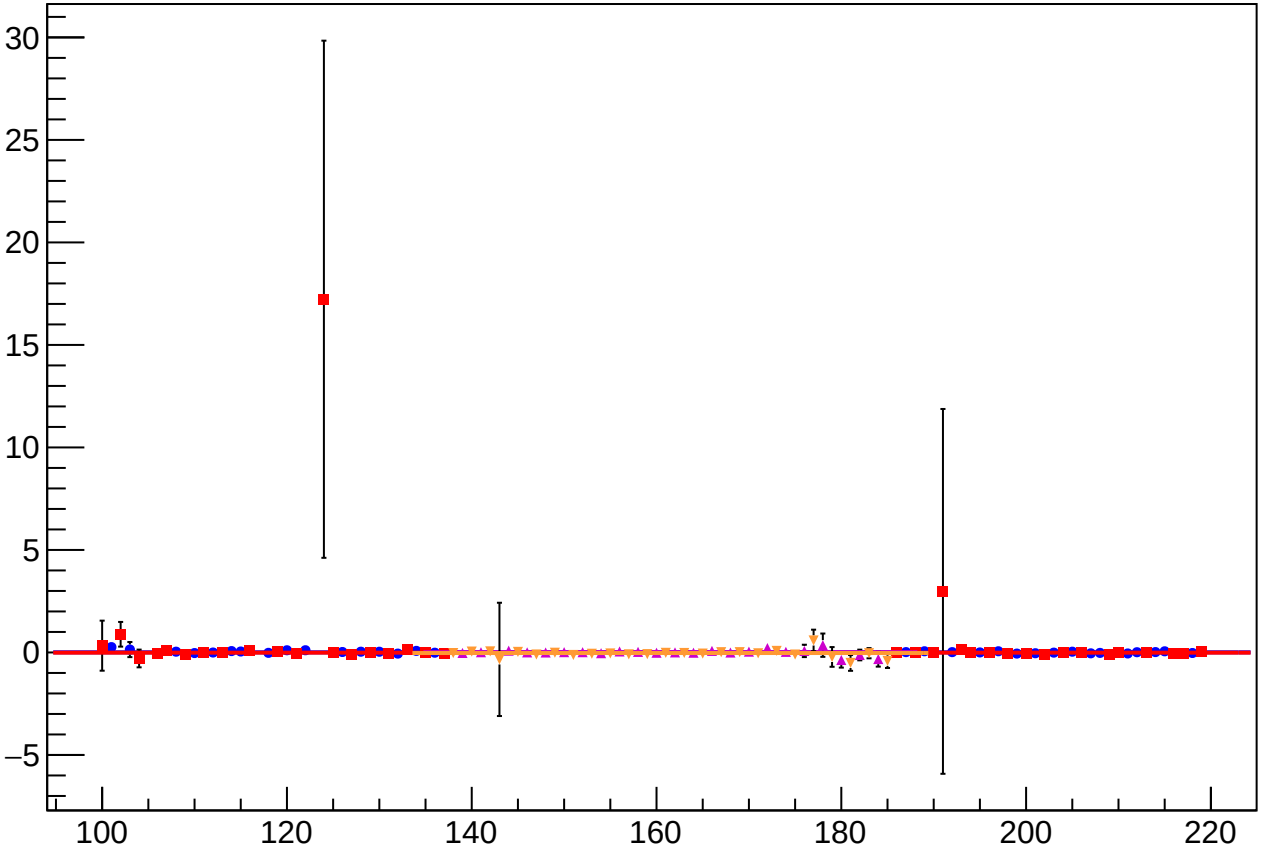
Right: 0.002+/-0.000 χ^2/NDF: 37386100.1/68

In: 0.002+/-0.000 χ^2/NDF:30293009.4/54

Out: 0.002+/-0.000 χ^2/NDF:34225655.4/61

All: 0.002+/-0.000 χ^2/NDF: 64608607.7/116

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: 19.2/31

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

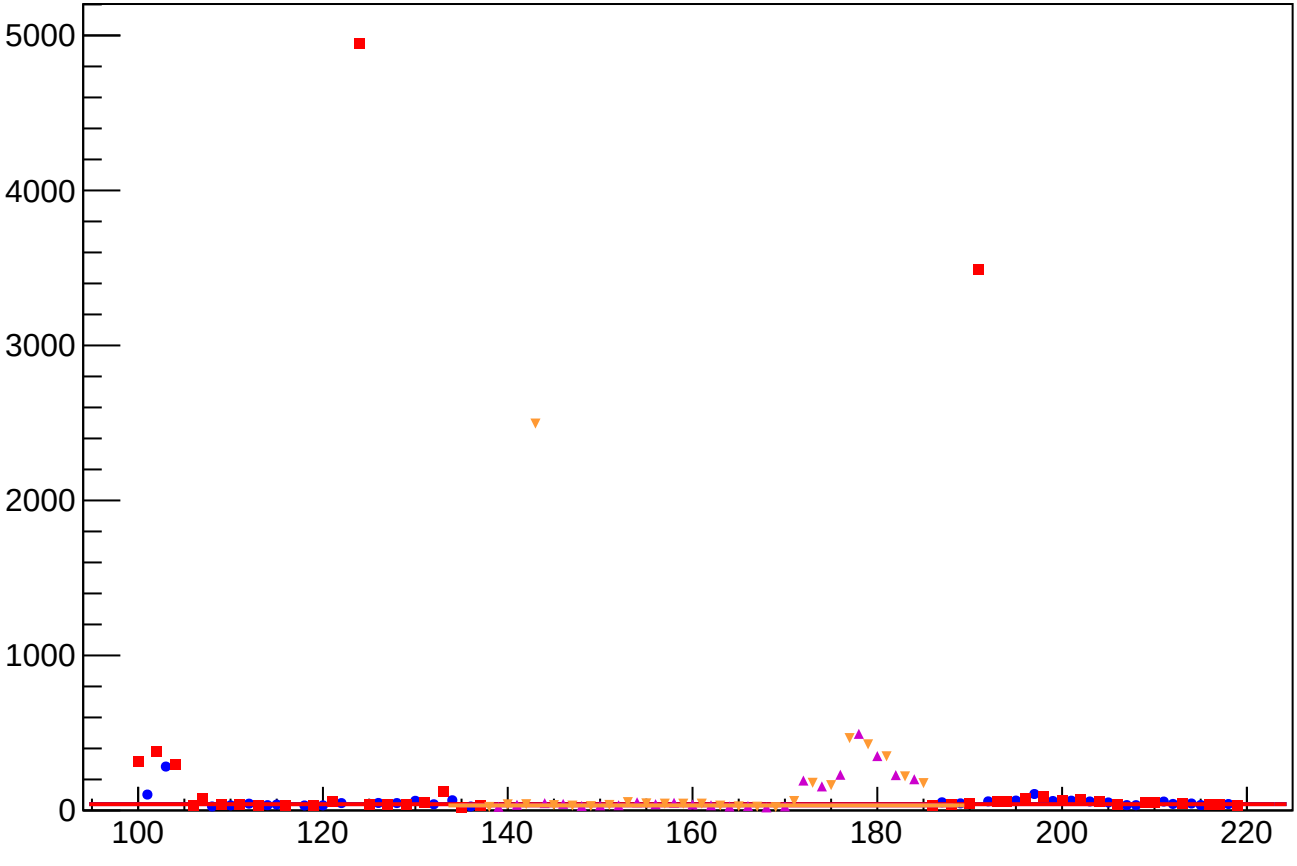
Right: -0.002+/-0.007 χ^2/NDF: 51.4/68

In: 0.009+/-0.007 χ^2/NDF:32.4/54

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 101.5/116

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.228+/-0.007 χ^2/NDF: 4314811.8/31

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

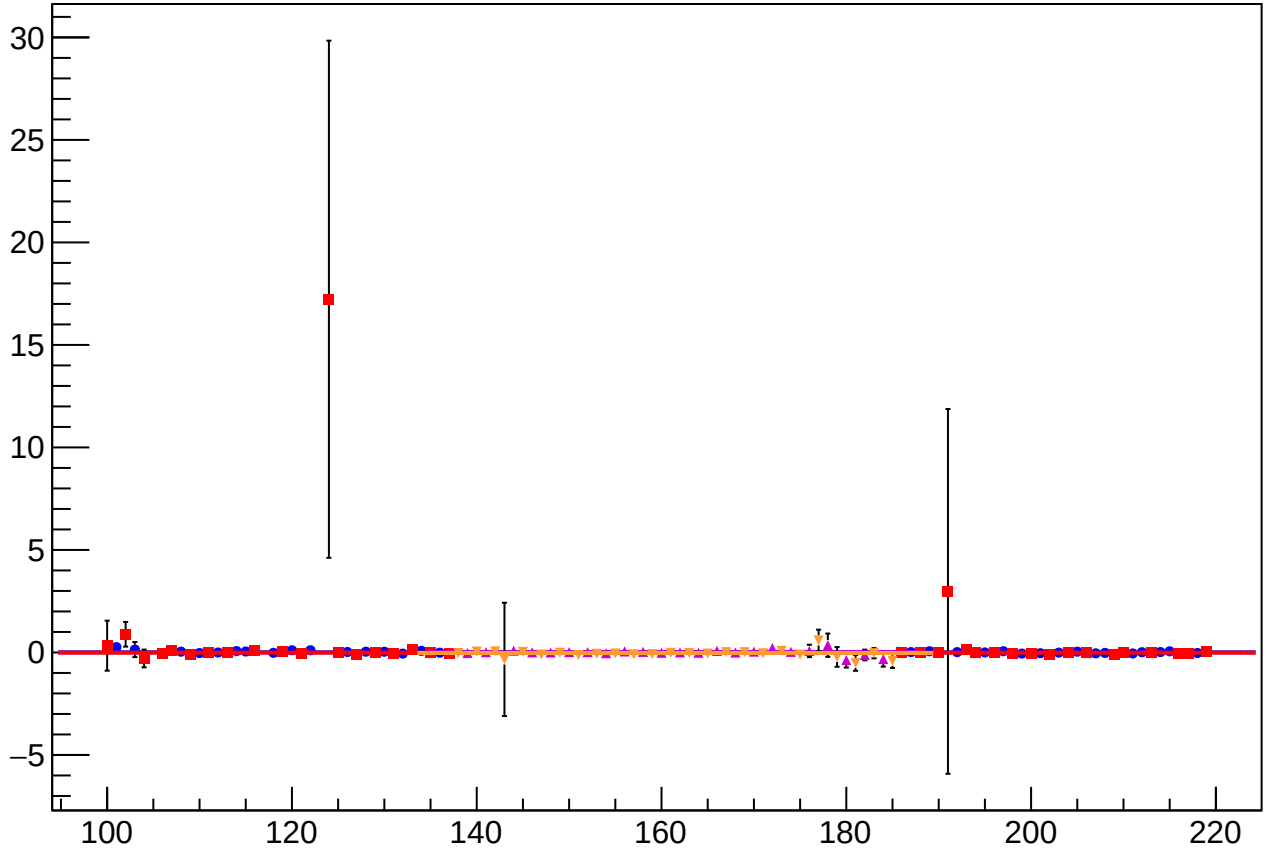
Right: 40.805+/-0.005 χ^2/NDF: 9963117.0/68

In: 36.610+/-0.005 χ^2/NDF:14007488.2/54

Out: 36.266+/-0.005 χ^2/NDF:17158601.7/61

All: 36.436+/-0.003 χ^2/NDF: 31168524.1/116

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: 19.2/31

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

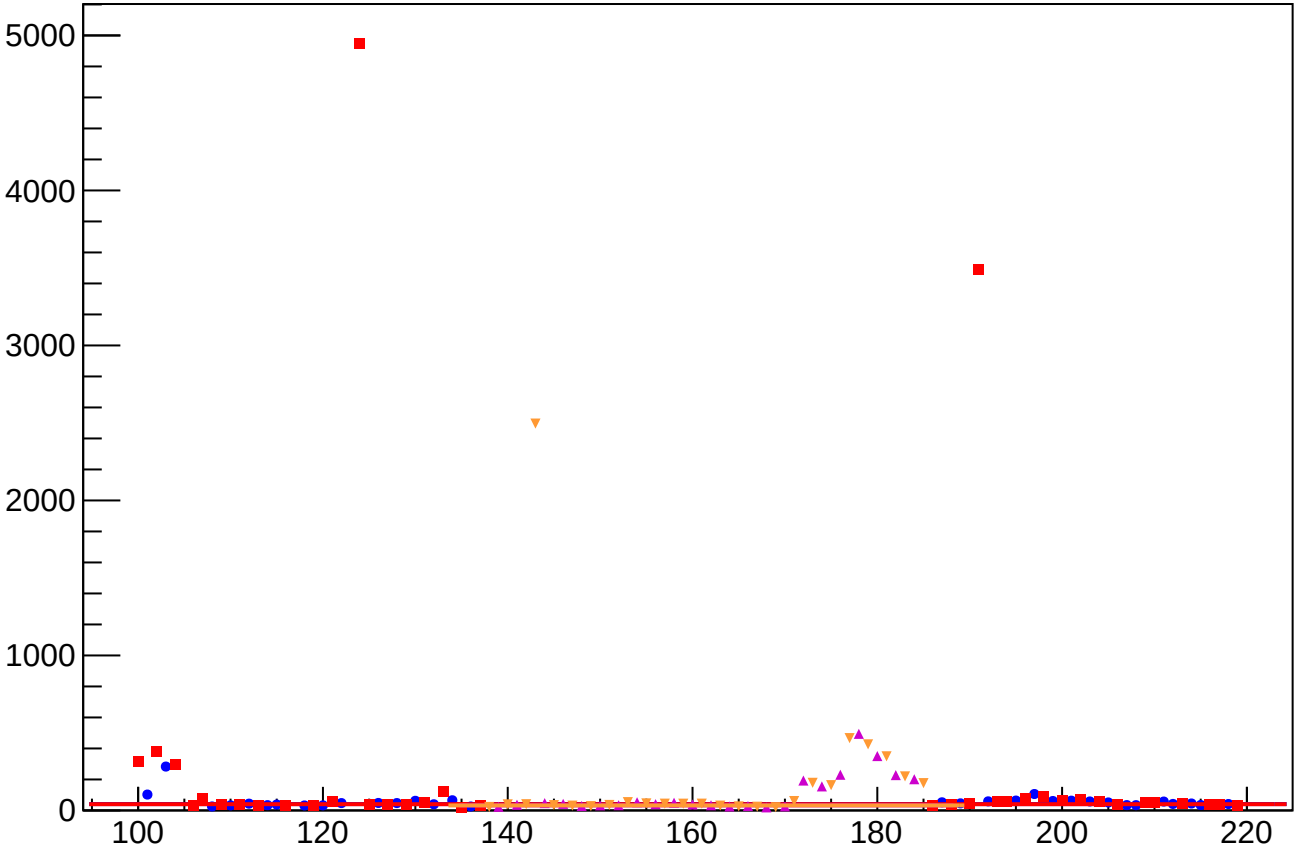
Right: -0.002+/-0.007 χ^2/NDF: 51.4/68

In: 0.009+/-0.007 χ^2/NDF:32.4/54

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 101.5/116

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.228+/-0.007 χ^2/NDF: 4314811.8/31

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

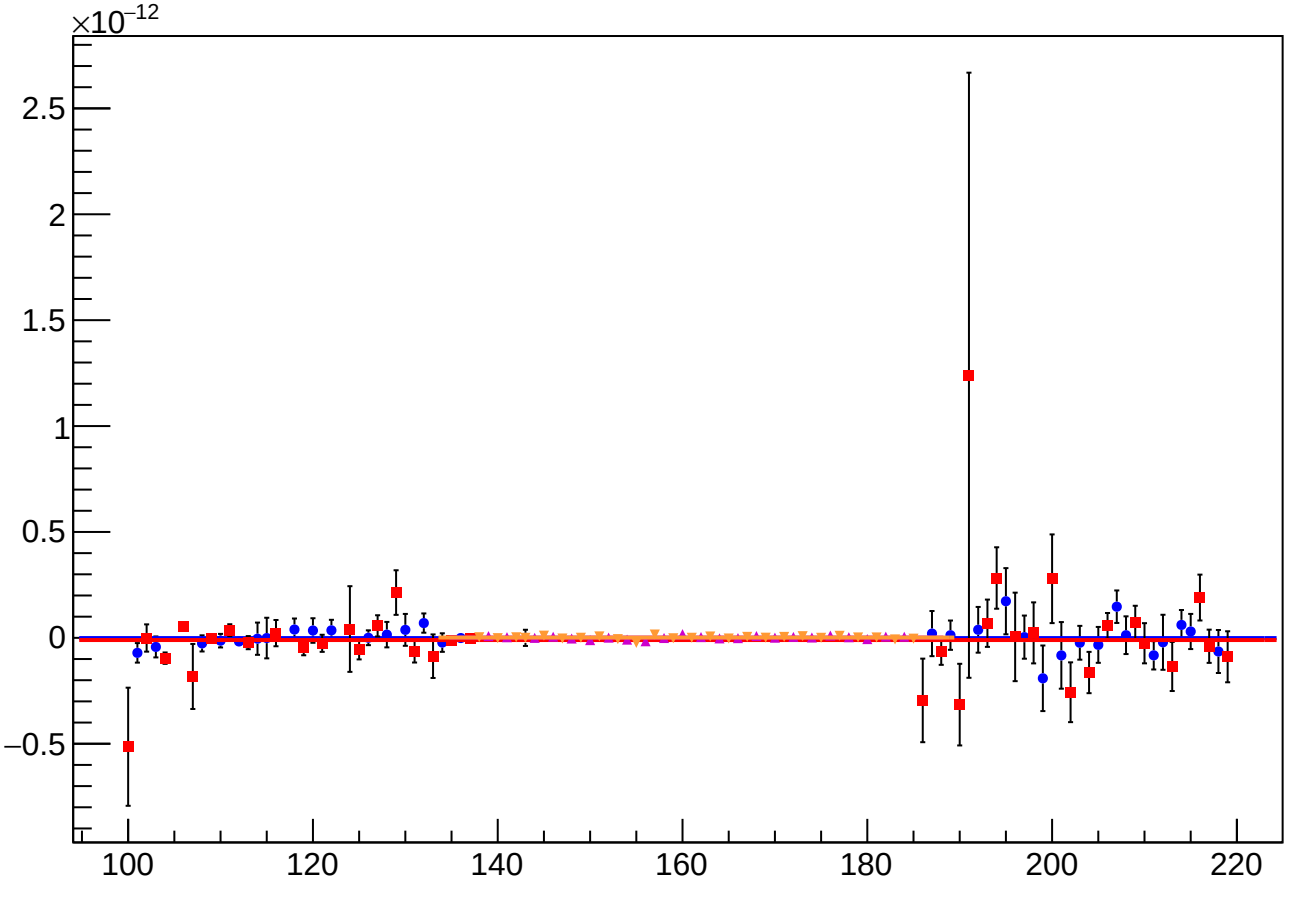
Right: 40.805+/-0.005 χ^2/NDF: 9963117.0/68

In: 36.610+/-0.005 χ^2/NDF:14007488.2/54

Out: 36.266+/-0.005 χ^2/NDF:17158601.7/61

All: 36.436+/-0.003 χ^2/NDF: 31168524.1/116

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: 18.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 65.5/36

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

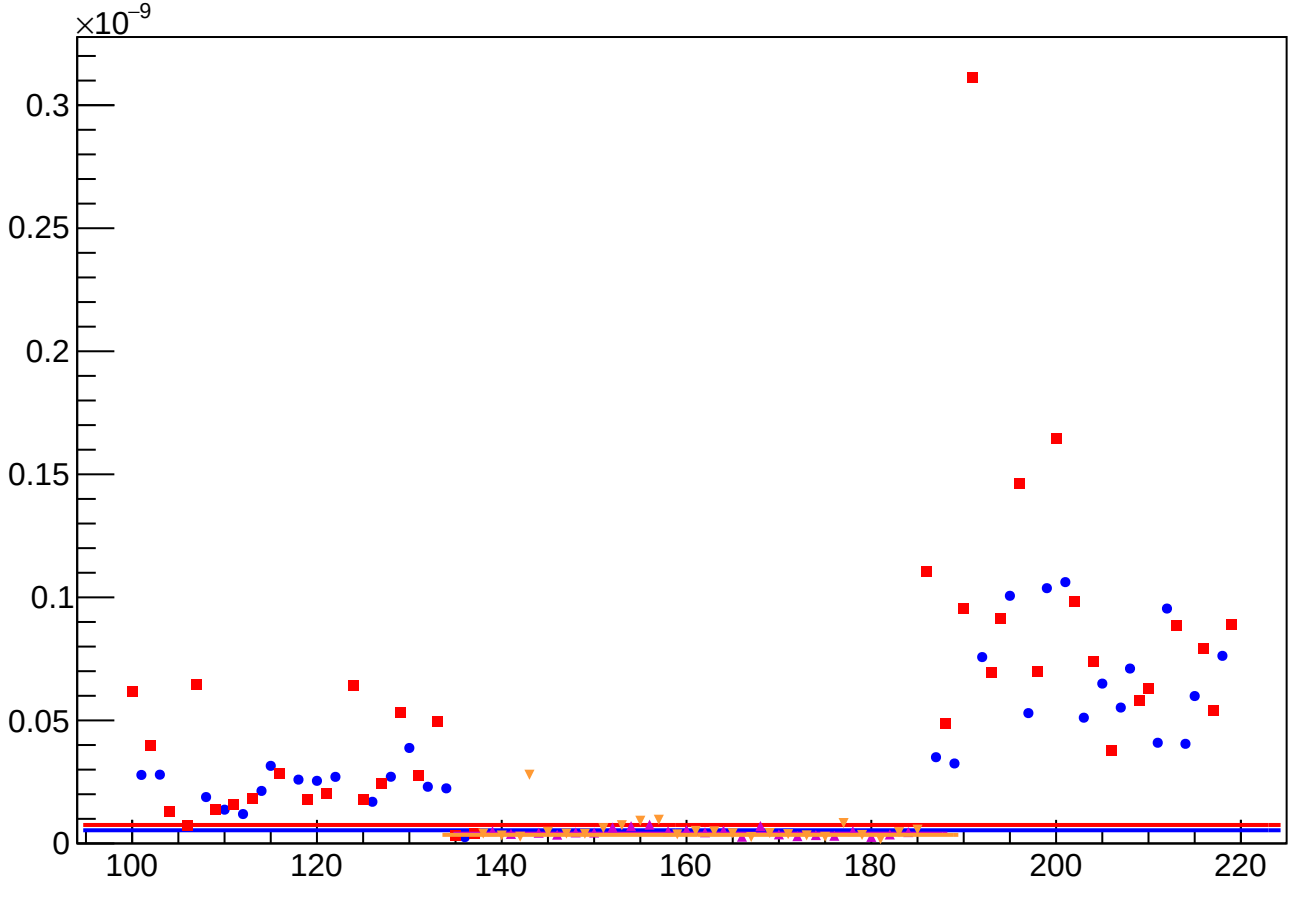
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 87.1/68

In: 0.000+/-0.000 χ^2/NDF:47.8/54

Out: 0.000+/-0.000 χ^2/NDF:91.3/61

All: 0.000+/-0.000 χ^2/NDF: 139.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 16874327.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17918262.2/36

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

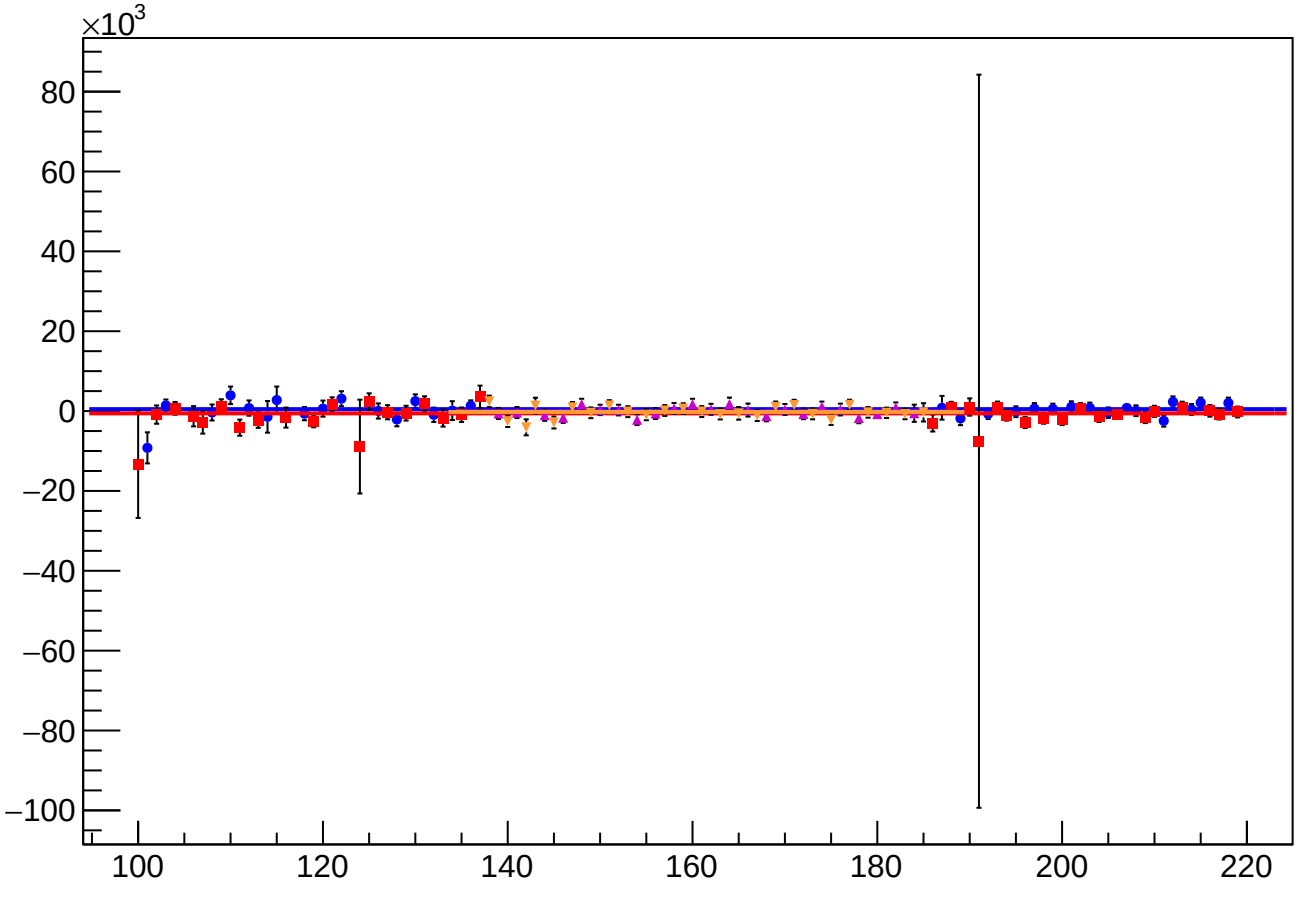
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 35119740.2/68

In: 0.000+/-0.000 χ^2/NDF:19247225.1/54

Out: 0.000+/-0.000 χ^2/NDF:24392038.8/61

All: 0.000+/-0.000 χ^2/NDF: 43765488.4/116



Right In: 483.312+/-282.483 χ^2/NDF: 29.6/31

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -576.736+/-277.611 χ^2/NDF: 29.8/36

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

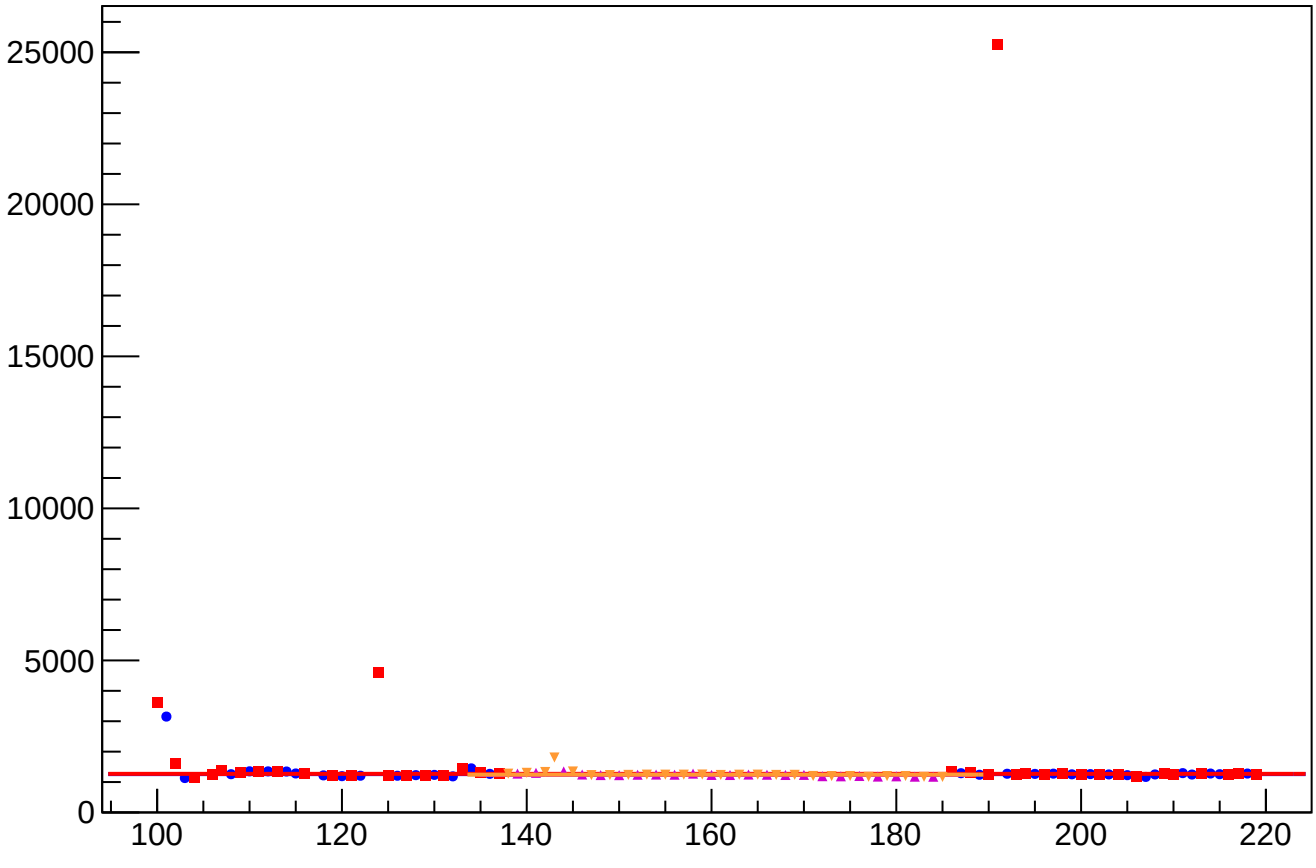
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -55.932+/-198.000 χ^2/NDF: 66.6/68

In: 201.239+/-201.742 χ^2/NDF:46.3/54

Out: -402.185+/-198.197 χ^2/NDF:54.5/61

All: -105.821+/-141.383 χ^2/NDF: 105.4/116



Right In: 1260.790+/-0.200 χ^2/NDF: 536064.1/31

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1269.545+/-0.196 χ^2/NDF: 487602.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

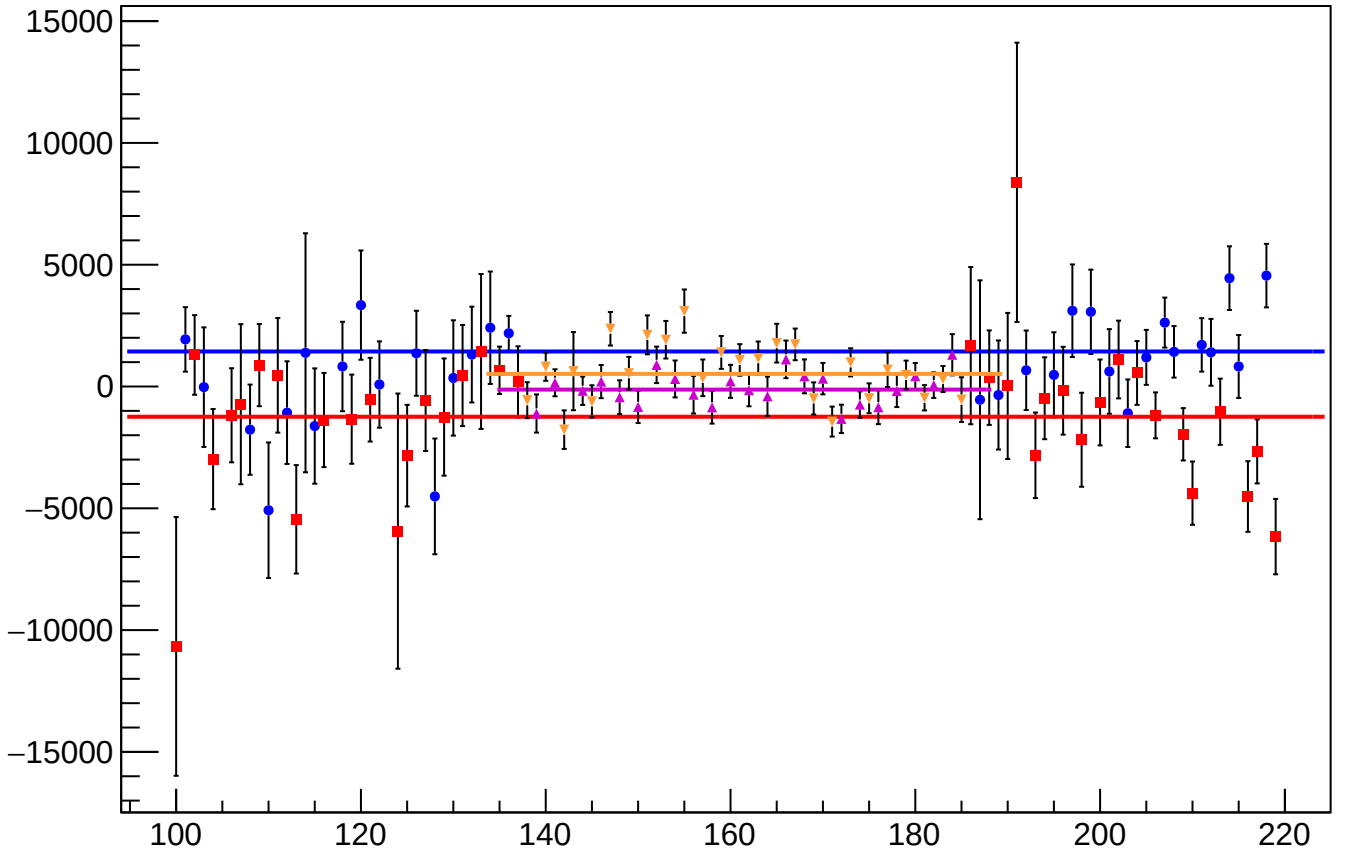
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1265.244+/-0.140 χ^2/NDF: 1024644.4/68

In: 1247.543+/-0.143 χ^2/NDF:584322.8/54

Out: 1256.445+/-0.140 χ^2/NDF:699986.5/61

All: 1252.072+/-0.100 χ^2/NDF: 1286290.9/11



Right In: 1437.772+/-270.298 χ^2/NDF: 40.5/31

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -1240.765+/-279.291 χ^2/NDF: 52.7/36

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

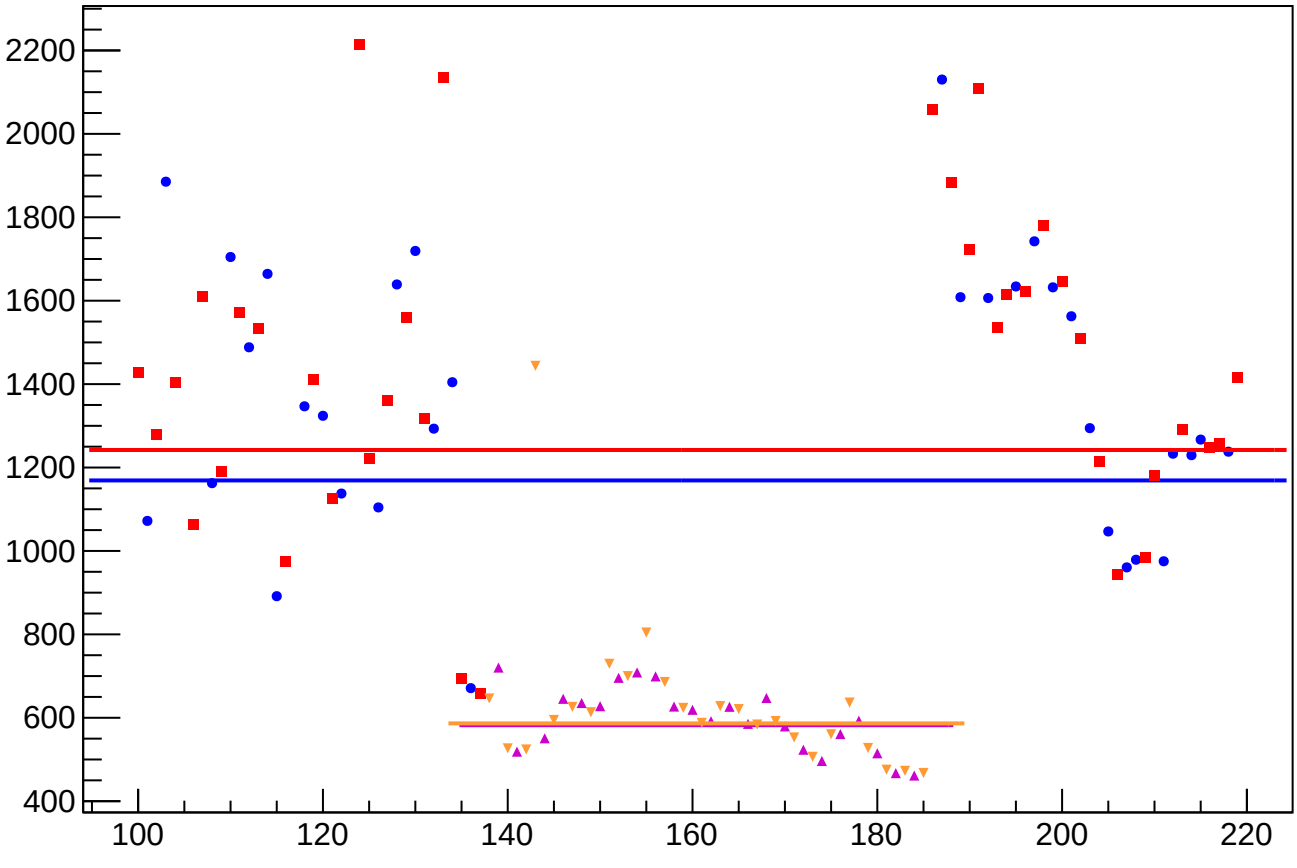
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 142.319+/-194.231 χ^2/NDF: 140.7/68

In: 194.152+/-122.389 χ^2/NDF:88.7/54

Out: 180.938+/-122.089 χ^2/NDF:151.7/61

All: 187.529+/-86.436 χ^2/NDF: 240.4/116



Right In: 1169.074+/-0.191 χ^2/NDF: 2713343.1/31

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1242.083+/-0.197 χ^2/NDF: 2764689.4/36

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

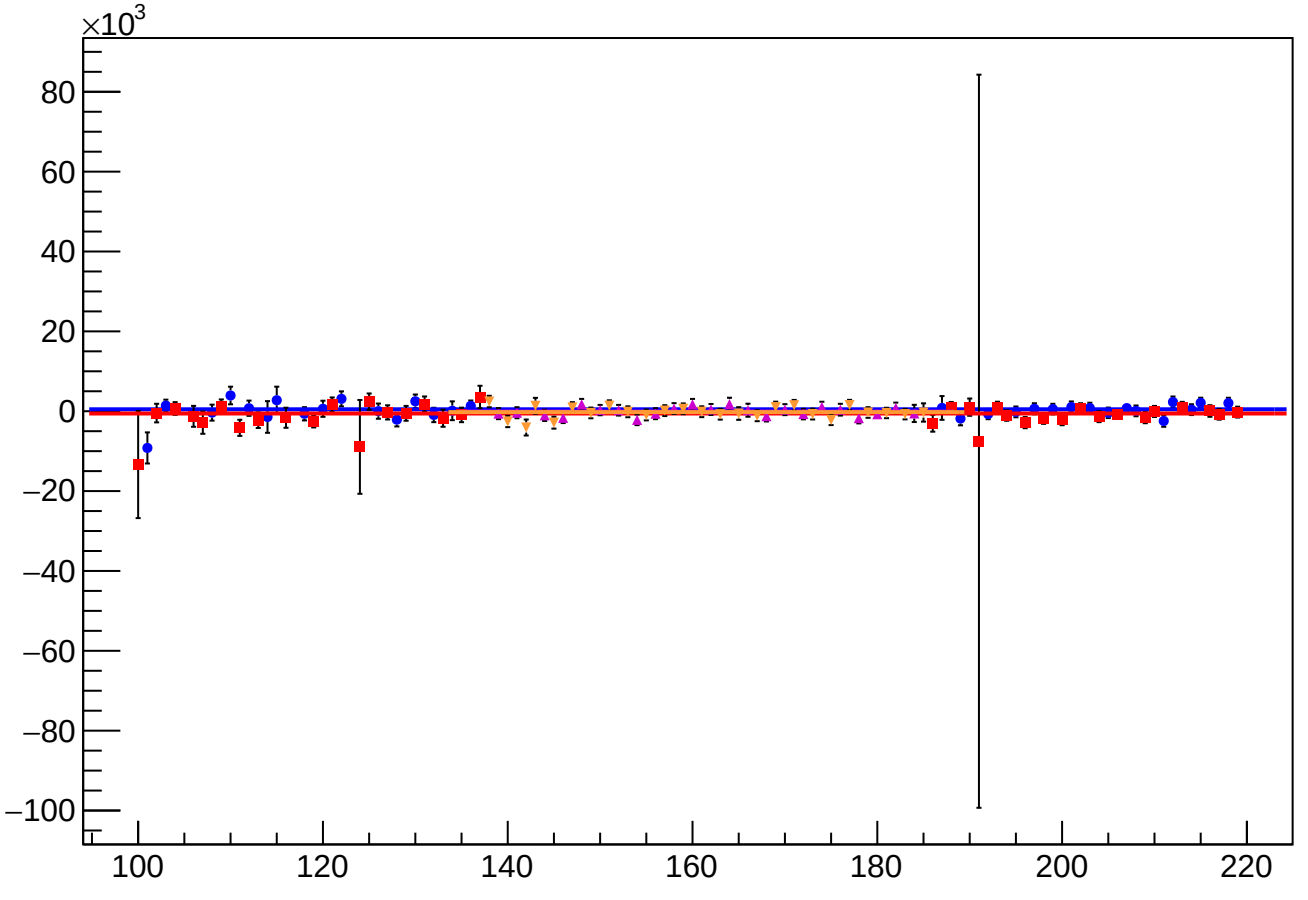
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1204.384+/-0.137 χ^2/NDF: 5548602.0/68

In: 702.513+/-0.087 χ^2/NDF:10768158.0/54

Out: 711.822+/-0.086 χ^2/NDF:12880018.2/61

All: 707.179+/-0.061 χ^2/NDF: 23653975.6/11



Right In: 483.499+/-282.483 χ^2/NDF: 29.6/31

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -569.969+/-277.768 χ^2/NDF: 29.8/36

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

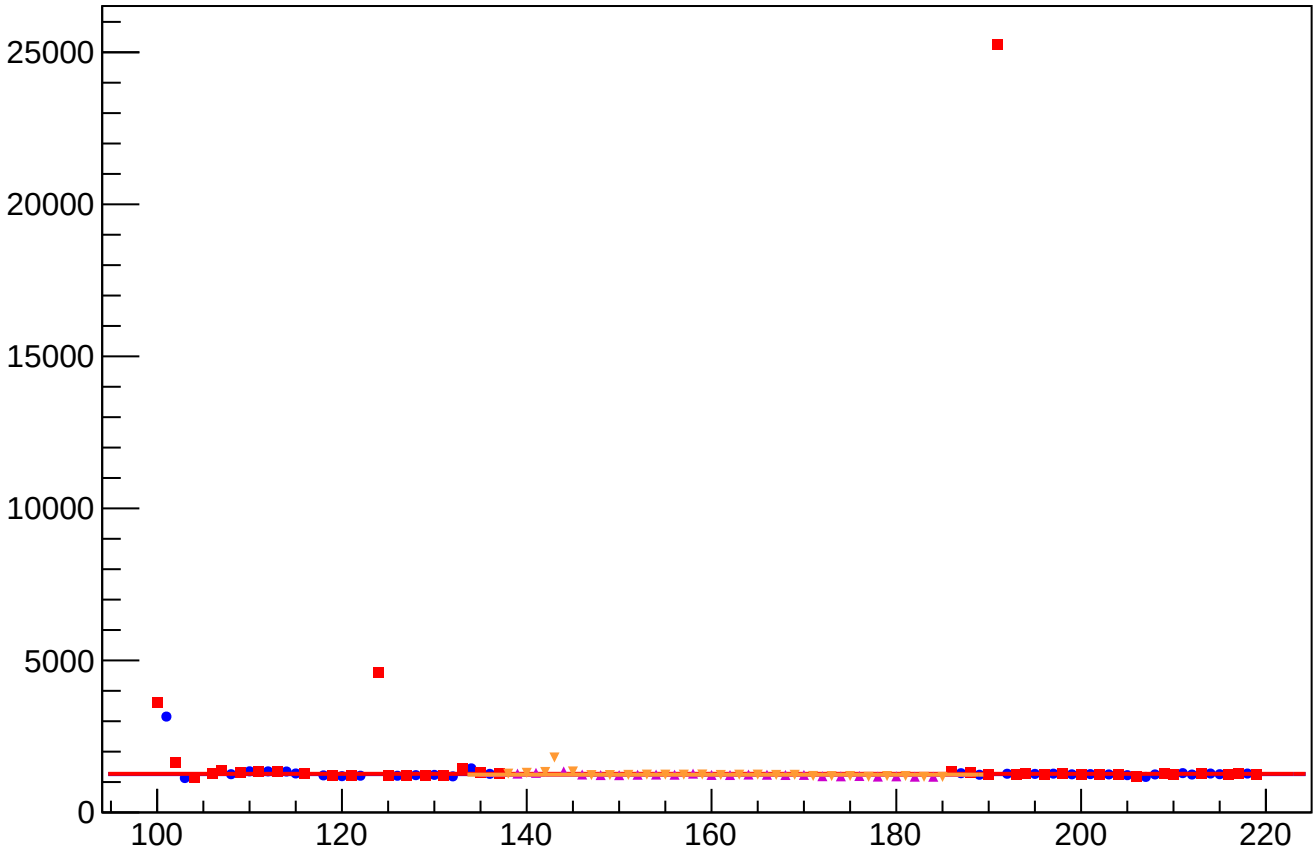
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -52.100+/-198.058 χ^2/NDF: 66.4/68

In: 201.300+/-201.742 χ^2/NDF:46.3/54

Out: -398.654+/-198.254 χ^2/NDF:54.5/61

All: -103.908+/-141.404 χ^2/NDF: 105.3/116



Right In: 1260.790+/-0.200 χ^2/NDF: 536065.5/31

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

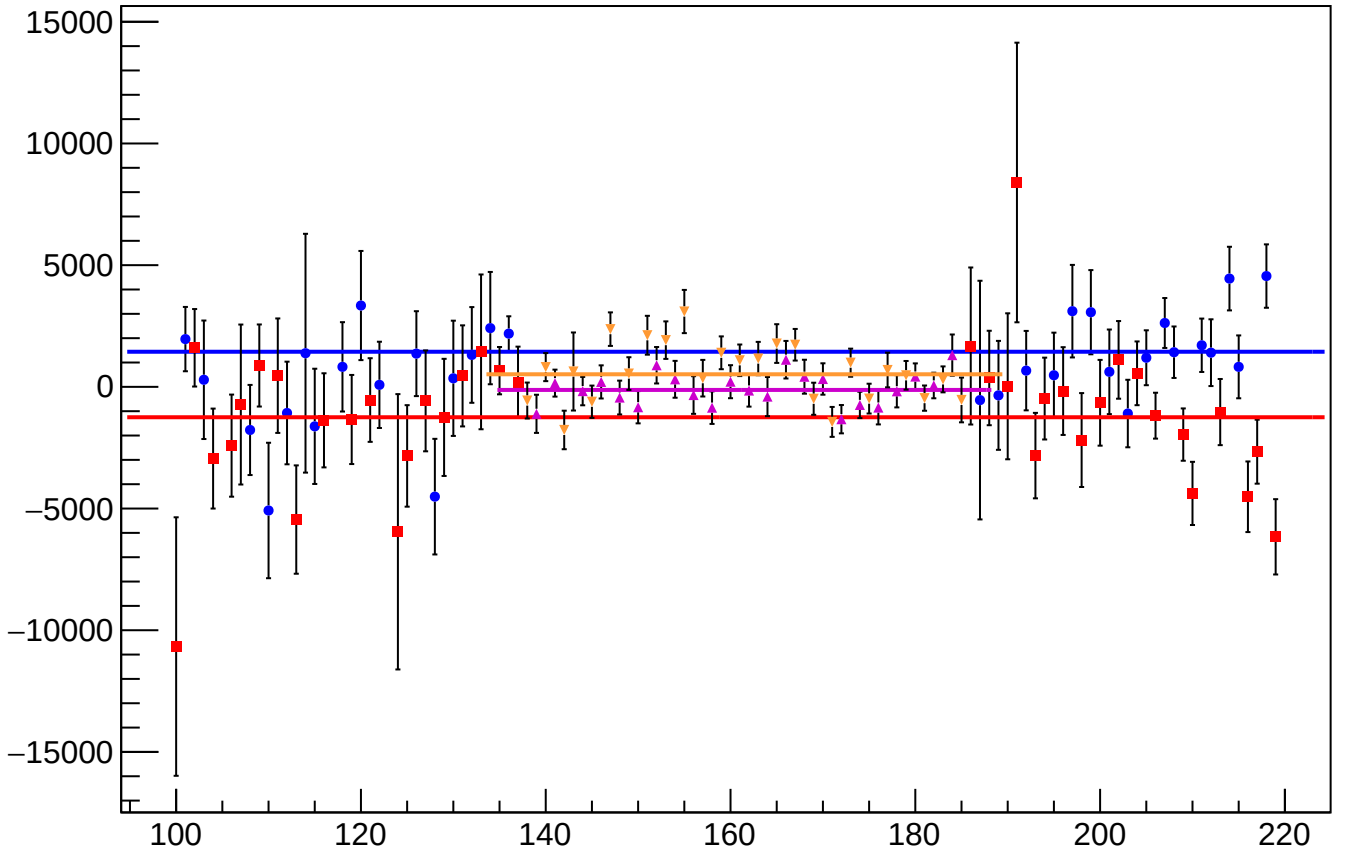
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.621+/-0.140 χ^2/NDF: 1032008.2/68

In: 1247.543+/-0.143 χ^2/NDF:584324.1/54

Out: 1256.818+/-0.140 χ^2/NDF:707685.7/61

All: 1252.261+/-0.100 χ^2/NDF: 1294160.5/11



Right In: 1442.612+/-270.253 χ^2/NDF: 40.4/31

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -1248.860+/-279.510 χ^2/NDF: 53.7/36

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

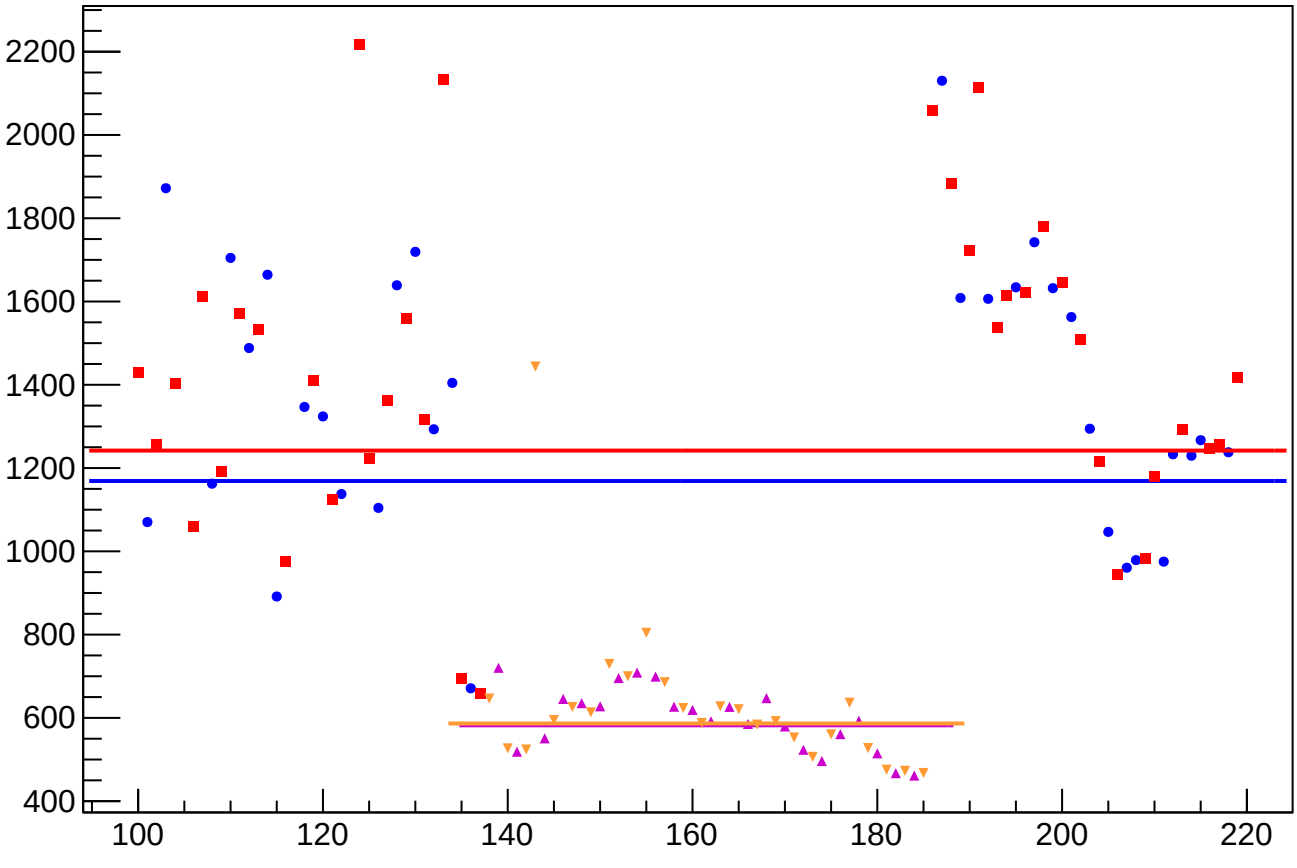
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 142.184+/-194.288 χ^2/NDF: 142.1/68

In: 195.245+/-122.384 χ^2/NDF:88.8/54

Out: 179.832+/-122.108 χ^2/NDF:153.1/61

All: 187.521+/-86.441 χ^2/NDF: 241.8/116



Right In: 1168.967+/-0.191 χ^2/NDF: 2710292.2/31

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

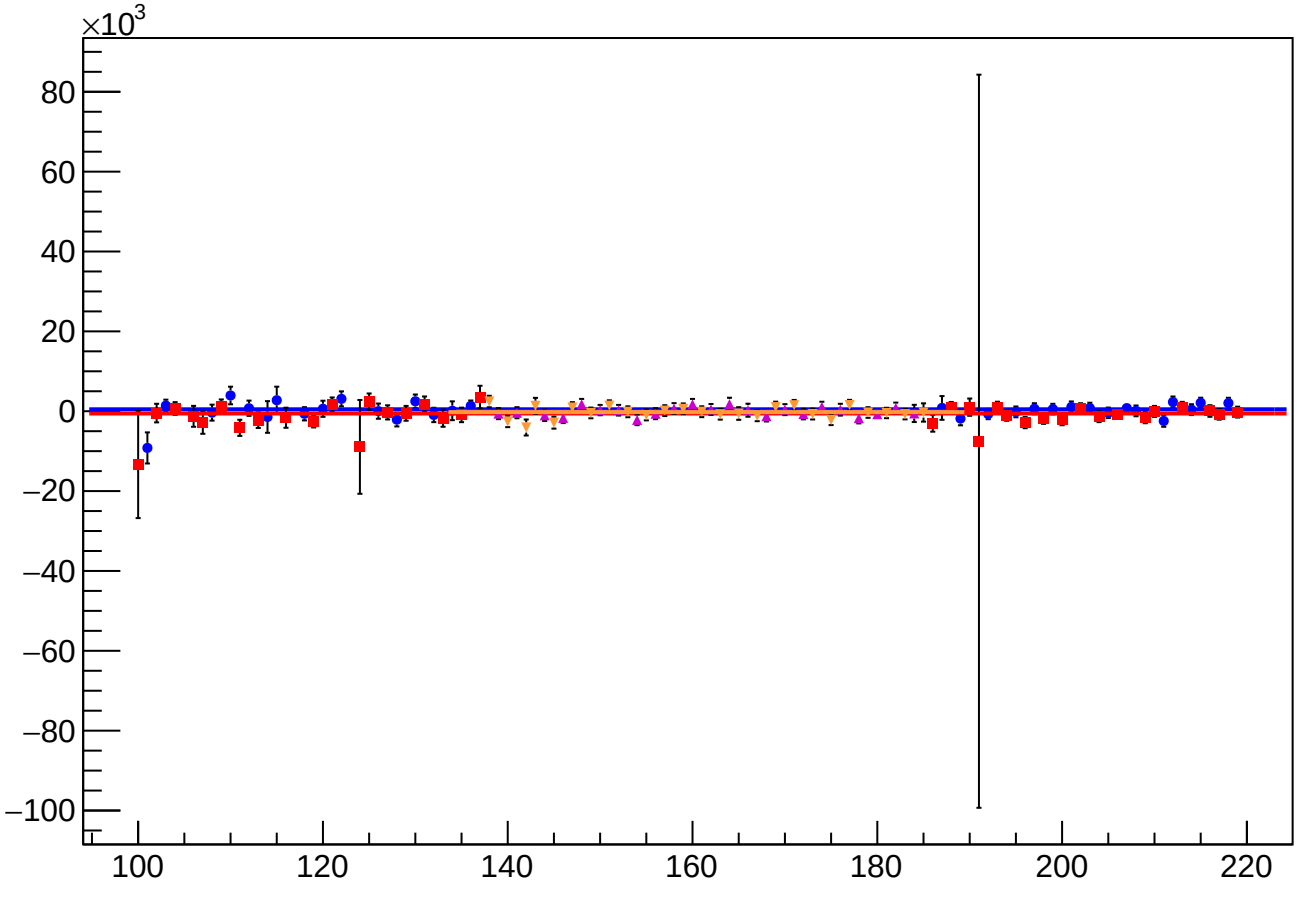
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1204.235+/-0.137 χ^2/NDF: 5542882.4/68

In: 702.522+/-0.087 χ^2/NDF:10764419.9/54

Out: 711.645+/-0.086 χ^2/NDF:12862539.7/61

All: 707.094+/-0.061 χ^2/NDF: 23632529.6/11



Right In: 483.499+/-282.483 χ^2/NDF: 29.6/31

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -569.969+/-277.768 χ^2/NDF: 29.8/36

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

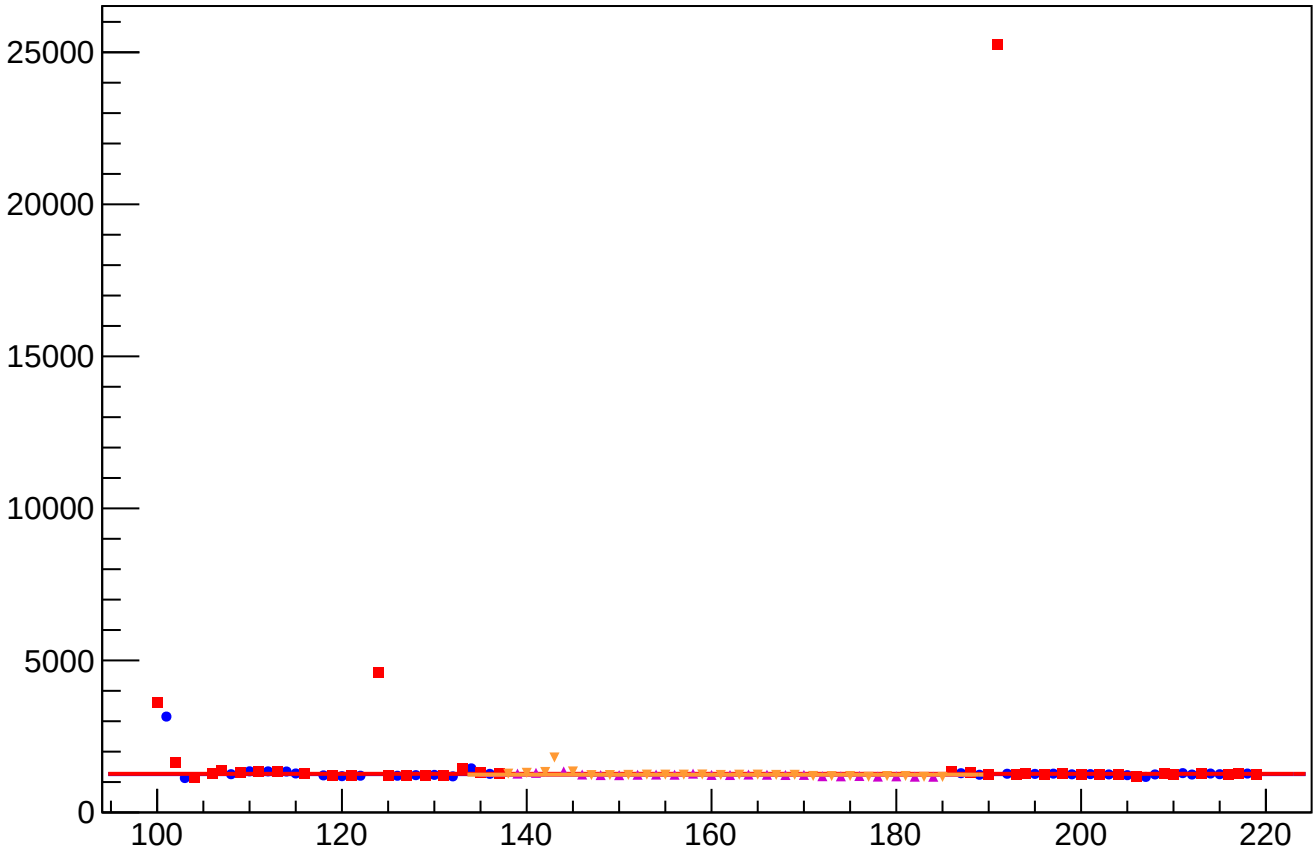
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -52.100+/-198.058 χ^2/NDF: 66.4/68

In: 201.300+/-201.742 χ^2/NDF:46.3/54

Out: -398.654+/-198.254 χ^2/NDF:54.5/61

All: -103.908+/-141.404 χ^2/NDF: 105.3/116



Right In: 1260.790+/-0.200 χ^2/NDF: 536065.5/31

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

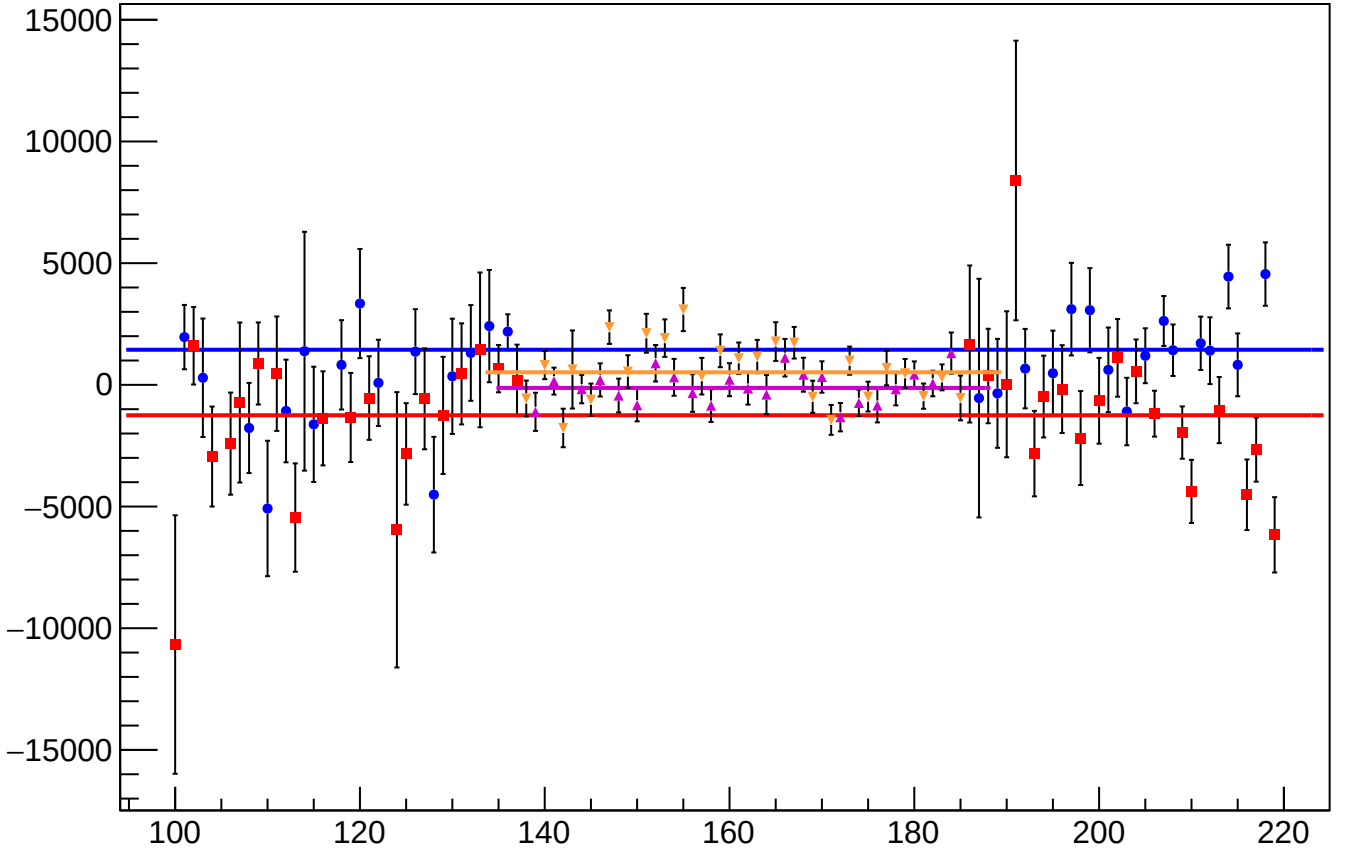
Right: 1265.621+/-0.140 χ^2/NDF: 1032008.2/68

In: 1247.543+/-0.143 χ^2/NDF:584324.1/54

Out: 1256.818+/-0.140 χ^2/NDF:707685.7/61

All: 1252.261+/-0.100 χ^2/NDF: 1294160.5/11

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1442.612+/-270.253 χ^2/NDF: 40.4/31

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -1248.860+/-279.510 χ^2/NDF: 53.7/36

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

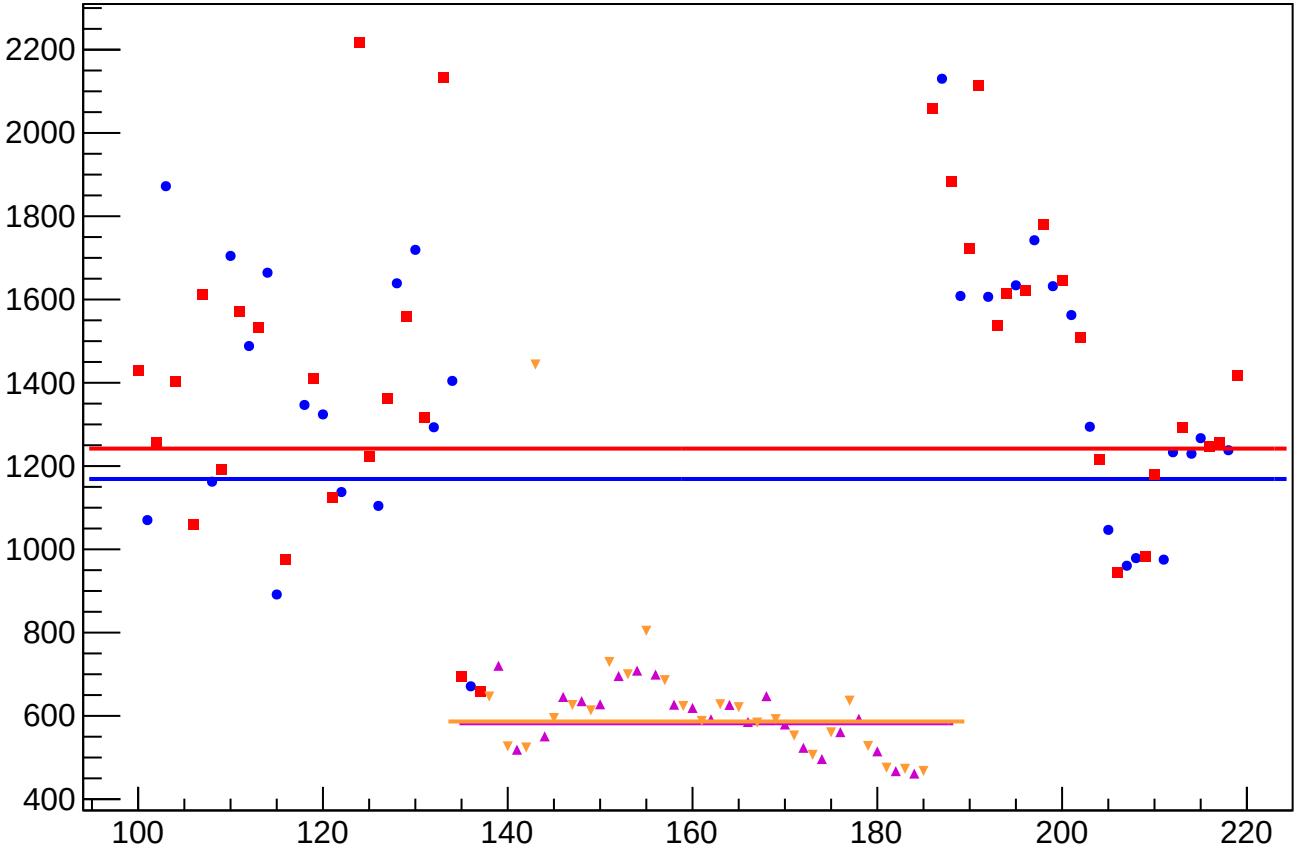
Right: 142.184+/-194.288 χ^2/NDF: 142.1/68

In: 195.245+/-122.384 χ^2/NDF:88.8/54

Out: 179.832+/-122.108 χ^2/NDF:153.1/61

All: 187.521+/-86.441 χ^2/NDF: 241.8/116

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1168.967+/-0.191 χ^2/NDF: 2710292.2/31

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

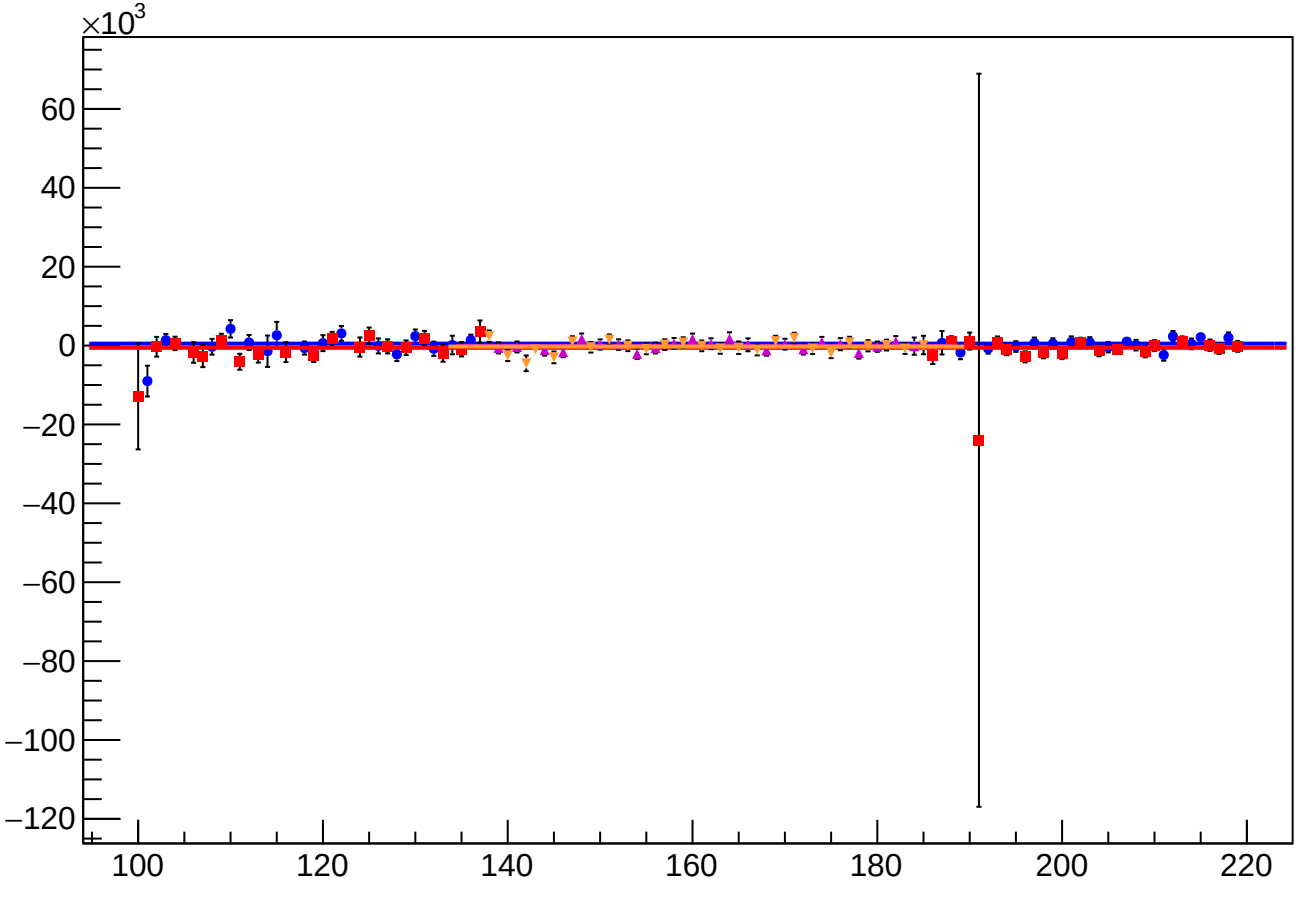
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1204.235+/-0.137 χ^2/NDF: 5542882.4/68

In: 702.522+/-0.087 χ^2/NDF:10764419.9/54

Out: 711.645+/-0.086 χ^2/NDF:12862539.7/61

All: 707.094+/-0.061 χ^2/NDF: 23632529.6/11



Right In: 490.221+/-283.287 χ^2/NDF: 29.5/31

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -567.132+/-277.217 χ^2/NDF: 29.3/36

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

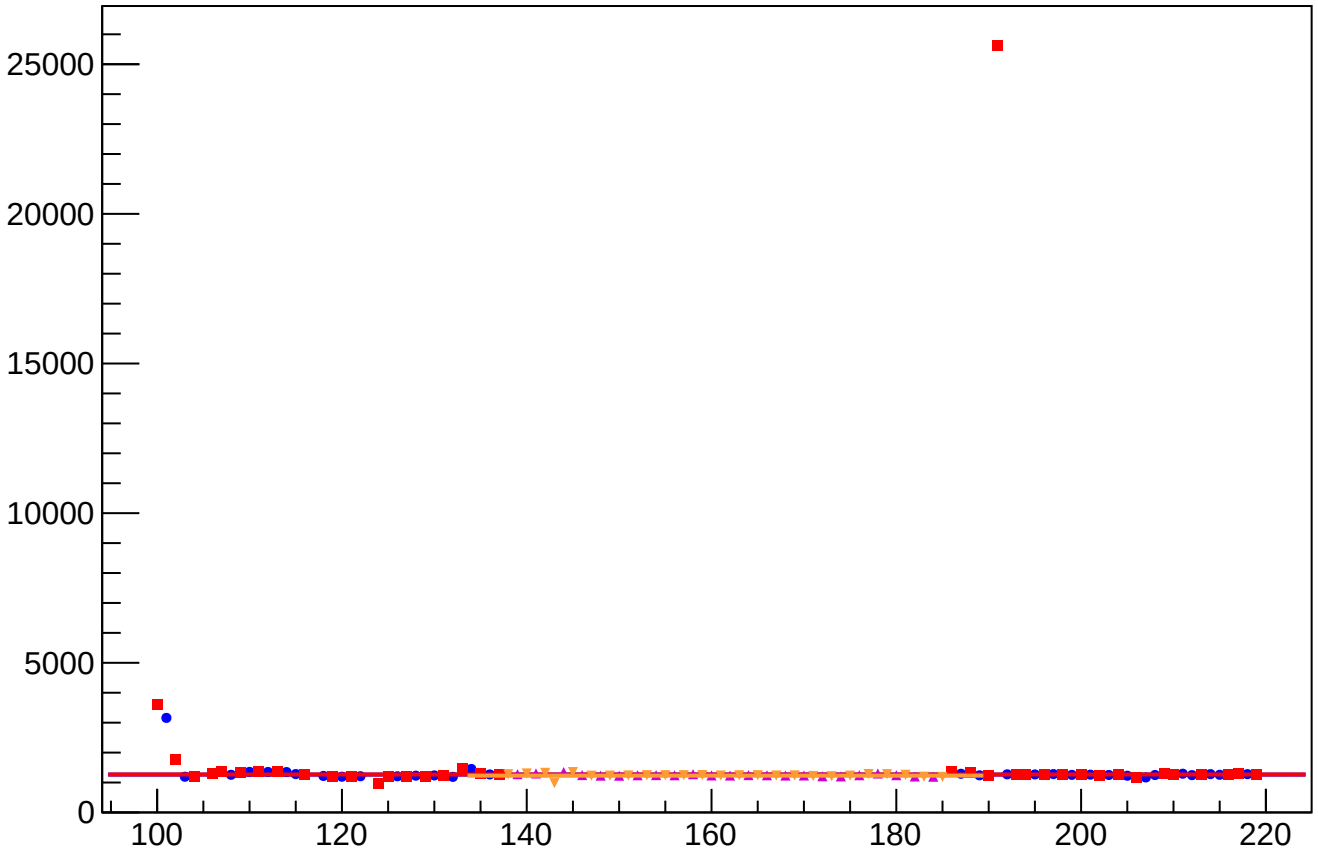
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -49.905+/-198.133 χ^2/NDF: 65.9/68

In: 215.702+/-203.142 χ^2/NDF:45.4/54

Out: -410.527+/-196.972 χ^2/NDF:54.0/61

All: -107.067+/-141.411 χ^2/NDF: 104.3/116



Right In: 1264.529+/-0.200 χ^2/NDF: 525746.9/31

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1269.128+/-0.196 χ^2/NDF: 385981.7/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

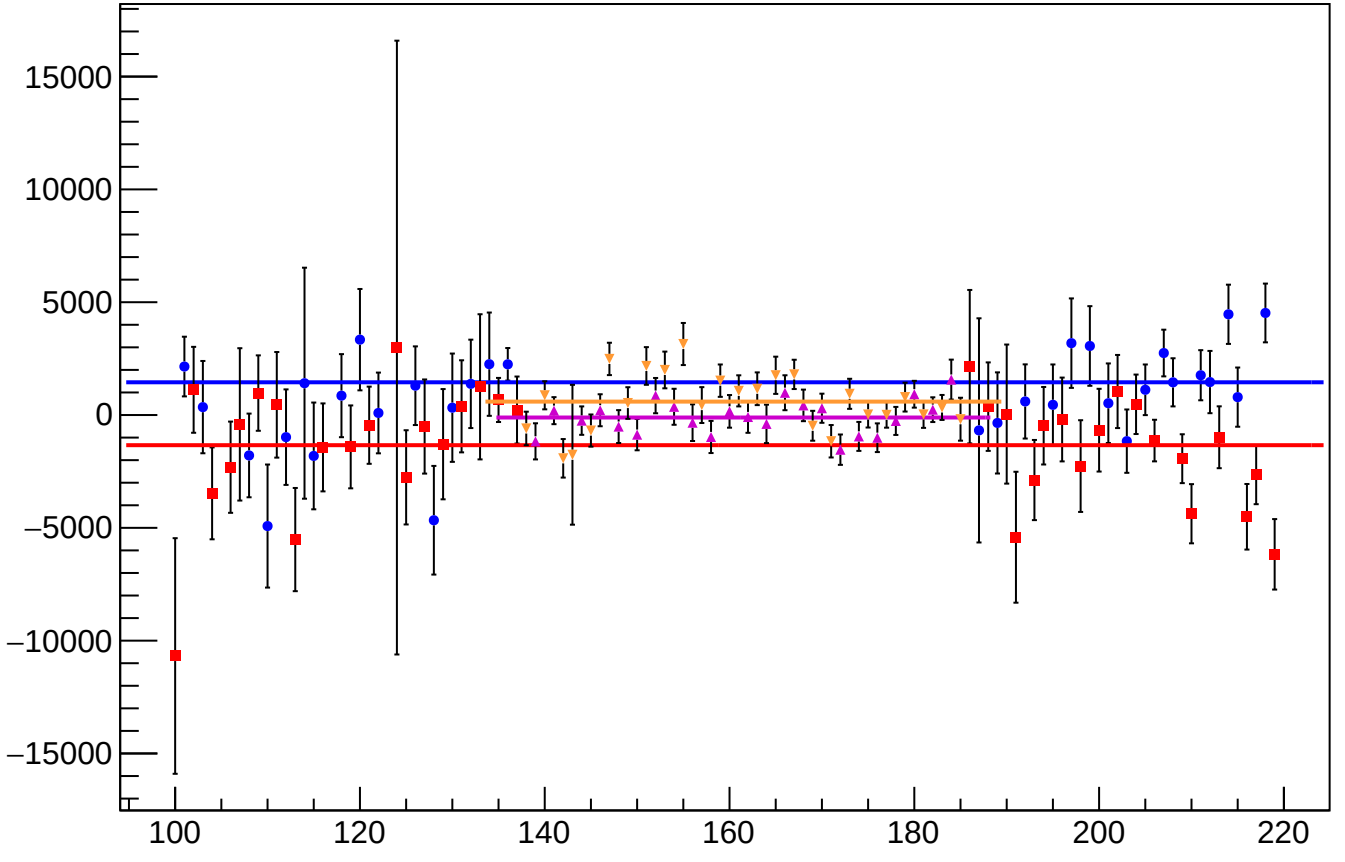
Right: 1266.878+/-0.140 χ^2/NDF: 911997.8/68

In: 1256.395+/-0.144 χ^2/NDF:556481.8/54

Out: 1249.747+/-0.139 χ^2/NDF:547331.4/61

All: 1252.969+/-0.100 χ^2/NDF: 1104917.3/11

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 1451.023+/-271.650 χ^2/NDF: 41.3/31

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -1336.522+/-281.612 χ^2/NDF: 50.7/36

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

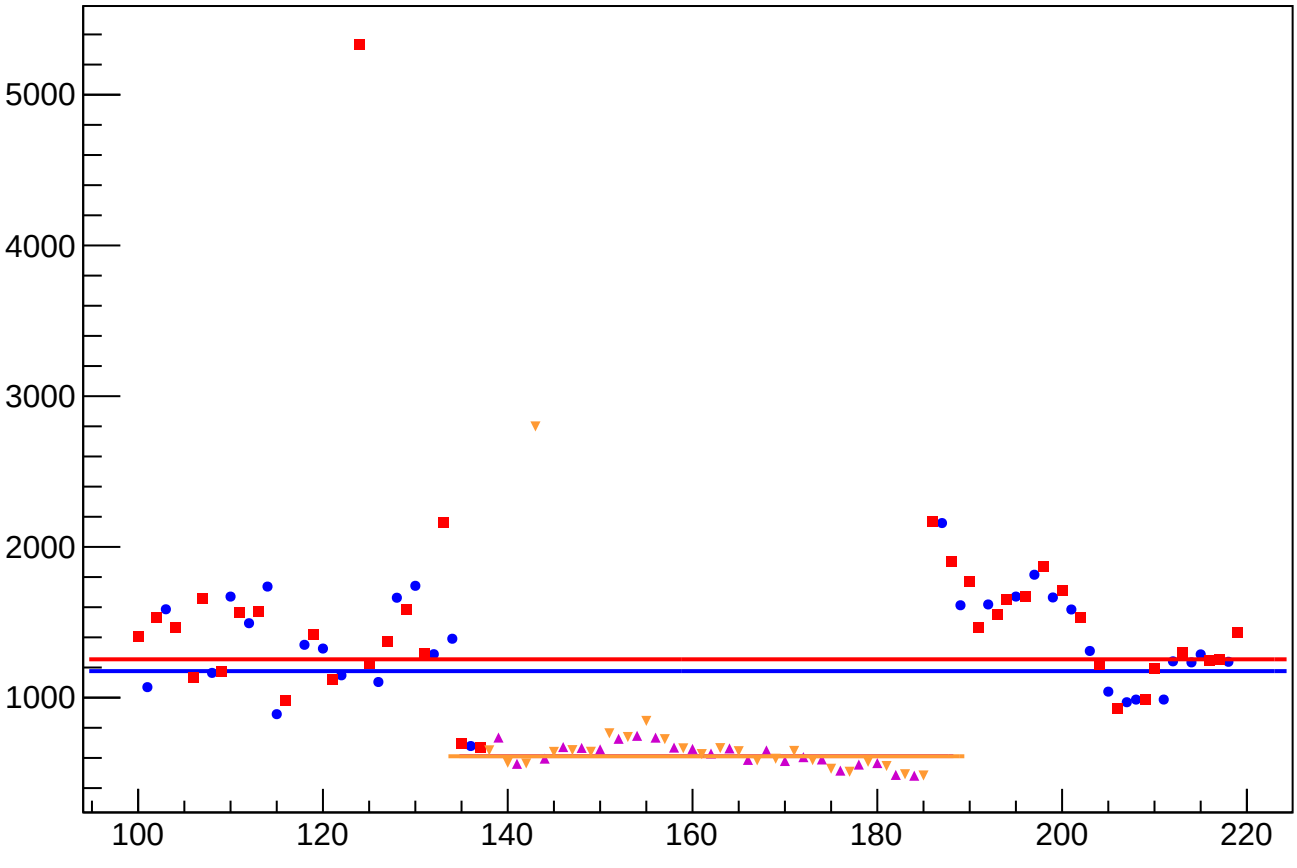
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 107.424+/-195.512 χ^2/NDF: 142.7/68

In: 233.091+/-127.390 χ^2/NDF:92.8/54

Out: 202.875+/-126.886 χ^2/NDF:145.5/61

All: 217.923+/-89.899 χ^2/NDF: 238.3/116



Right In: 1176.017+/-0.192 χ^2/NDF: 2650740.6/31

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1254.351+/-0.199 χ^2/NDF: 3056764.1/36

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

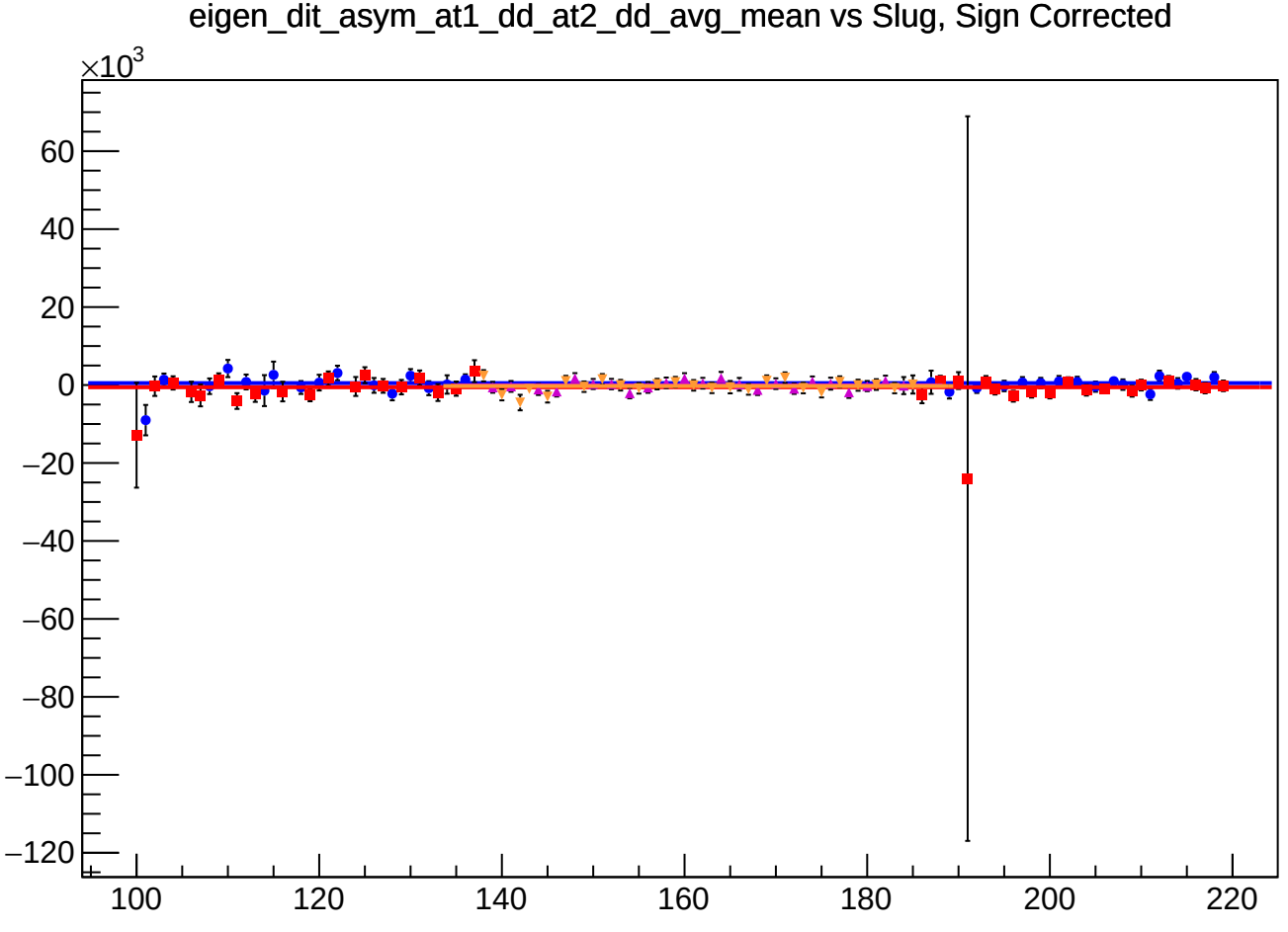
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1213.774+/-0.138 χ^2/NDF: 5787664.7/68

In: 736.345+/-0.090 χ^2/NDF:9875536.5/54

Out: 741.678+/-0.090 χ^2/NDF:12992940.7/61

All: 739.022+/-0.064 χ^2/NDF: 22870236.5/1



Right In: 490.217+/-283.287 χ^2/NDF: 29.5/31

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -567.130+/-277.217 χ^2/NDF: 29.3/36

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

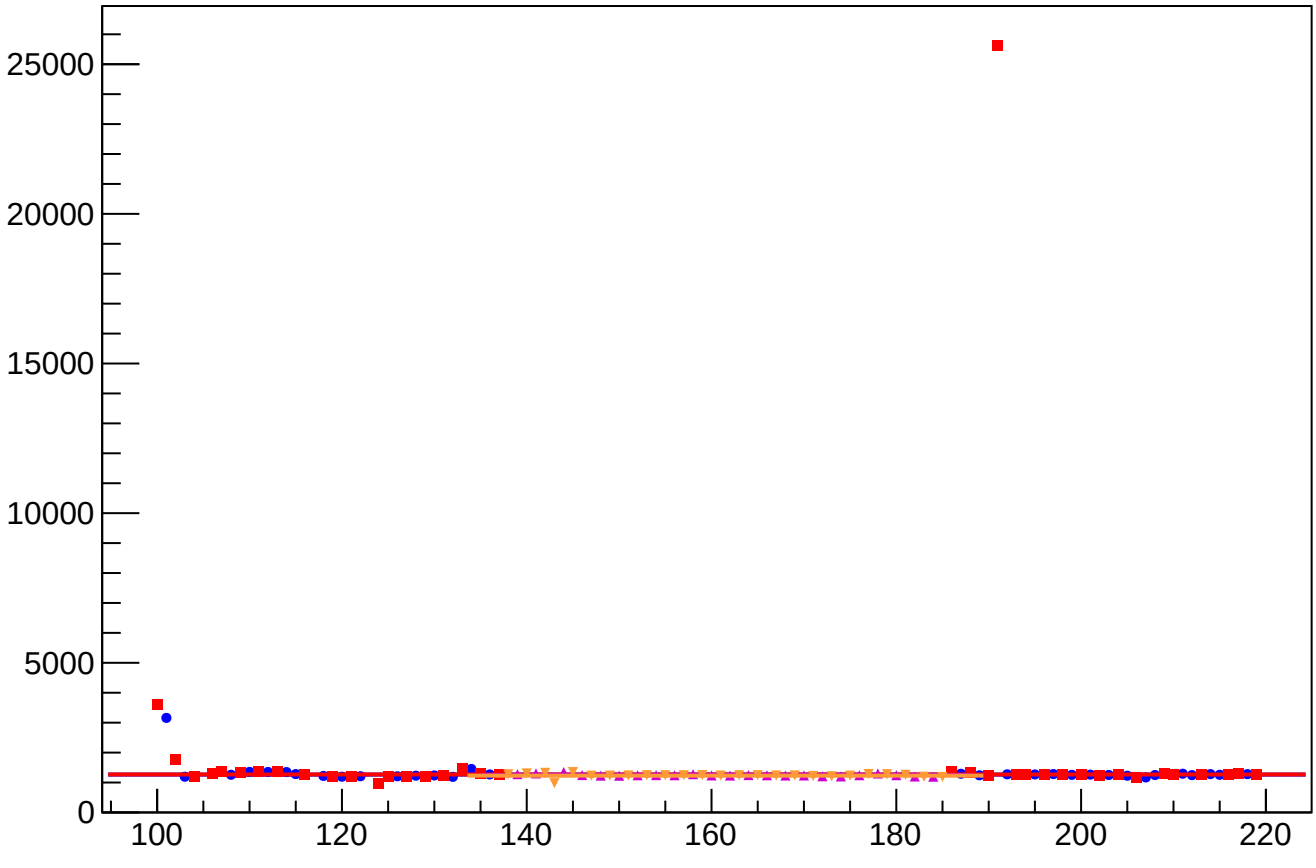
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -49.906+/-198.133 χ^2/NDF: 65.9/68

In: 215.700+/-203.142 χ^2/NDF:45.4/54

Out: -410.526+/-196.972 χ^2/NDF:54.0/61

All: -107.067+/-141.411 χ^2/NDF: 104.3/116



Right In: 1264.529+/-0.200 χ^2/NDF: 525747.0/31

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1269.128+/-0.196 χ^2/NDF: 385981.5/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

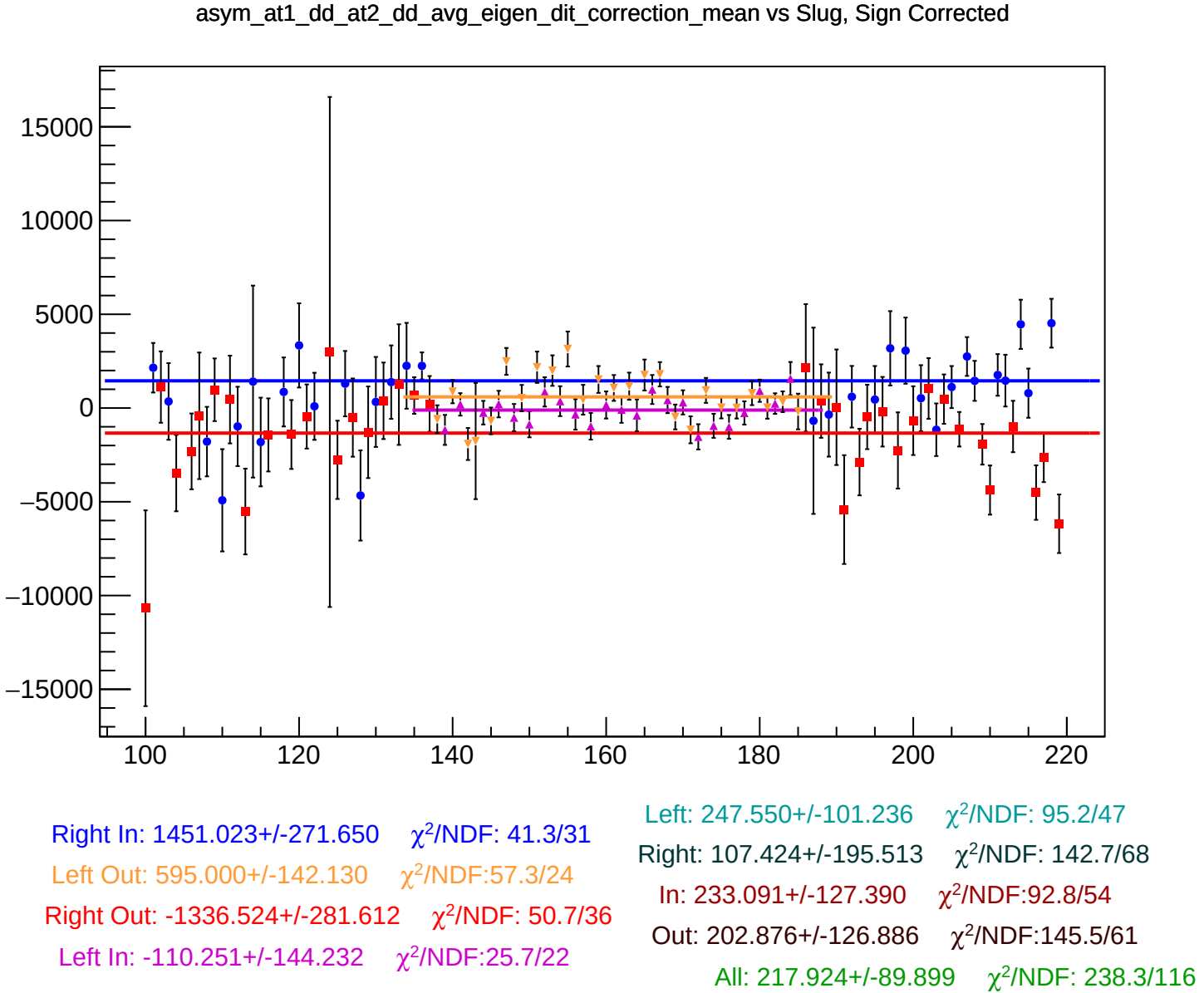
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

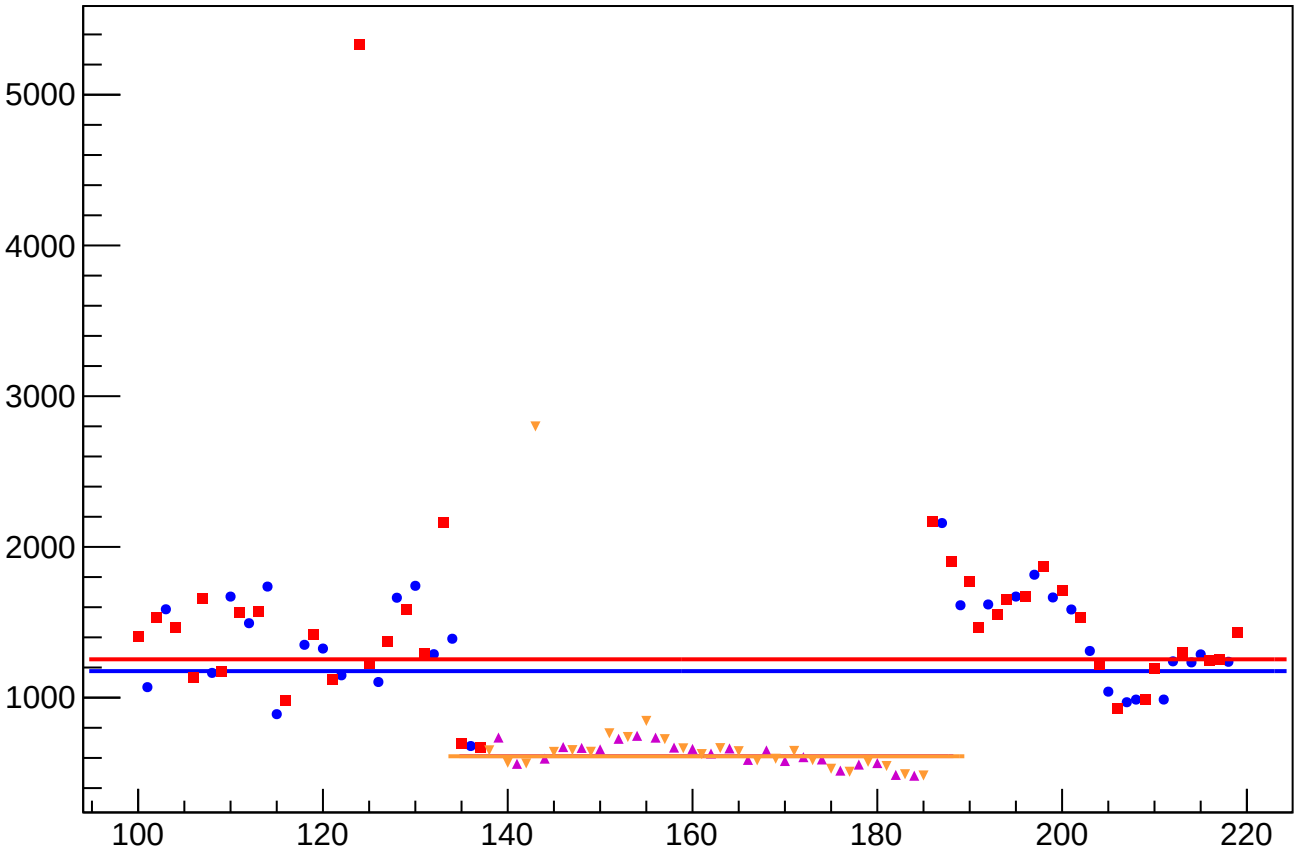
Right: 1266.878+/-0.140 χ^2/NDF: 911997.7/68

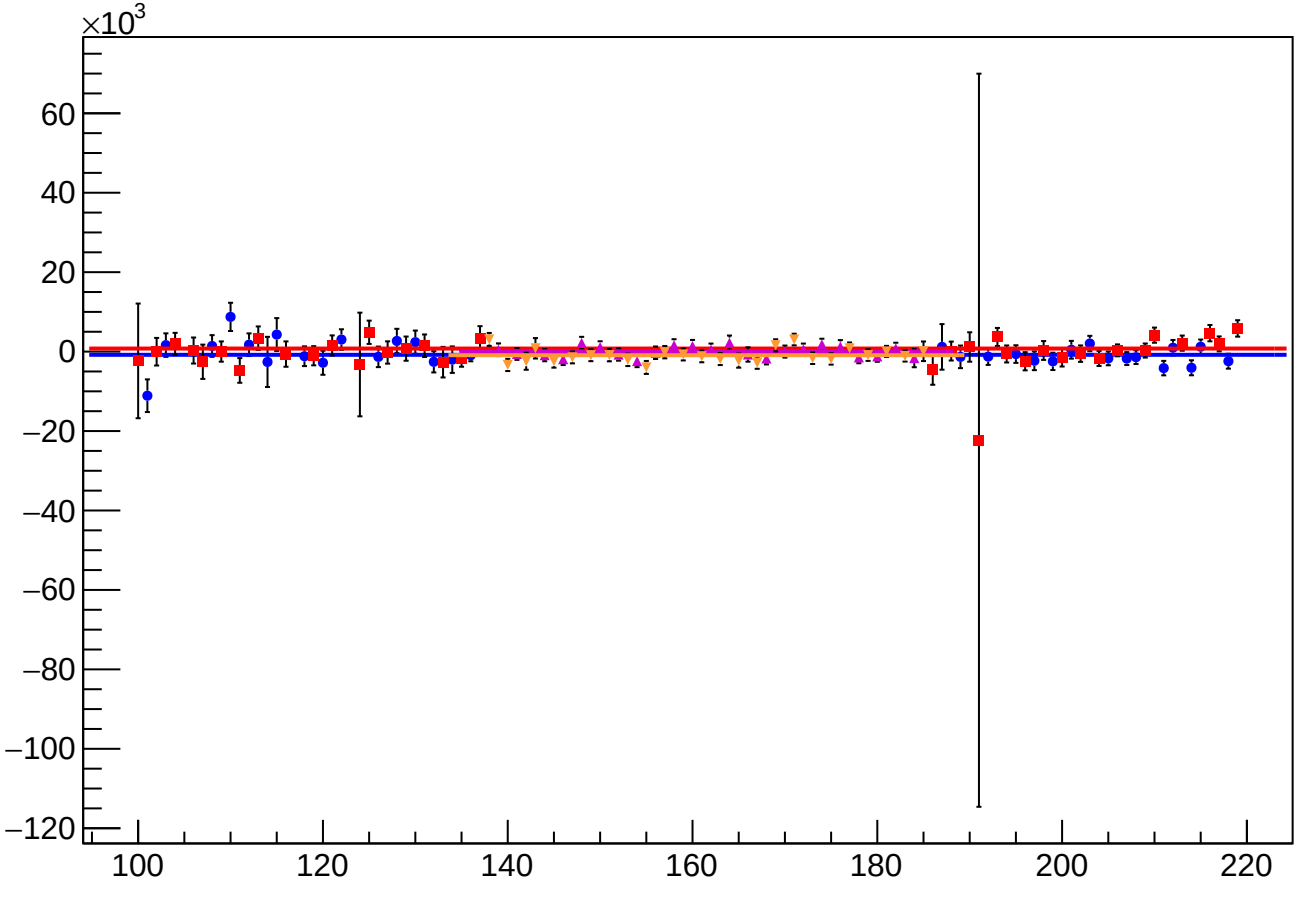
In: 1256.395+/-0.144 χ^2/NDF:556481.9/54

Out: 1249.747+/-0.139 χ^2/NDF:547330.3/61

All: 1252.968+/-0.100 χ^2/NDF: 1104916.2/11


asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1451.023+/-271.650 χ²/NDF: 41.3/31
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -1336.524+/-281.612 χ²/NDF: 50.7/36
Left In: -110.251+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 107.424+/-195.513 χ²/NDF: 142.7/68
In: 233.091+/-127.390 χ²/NDF:92.8/54
Out: 202.876+/-126.886 χ²/NDF:145.5/61
All: 217.924+/-89.899 χ²/NDF: 238.3/116


asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1176.018+/-0.192 χ²/NDF: 2650679.5/31
Left Out: 611.086+/-0.101 χ²/NDF:1619319.5/24
Right Out: 1254.353+/-0.199 χ²/NDF: 3056703.2/36
Left In: 612.398+/-0.102 χ²/NDF:508597.7/22
Left: 611.733+/-0.072 χ²/NDF: 2128001.1/47
Right: 1213.775+/-0.138 χ²/NDF: 5787546.1/68
In: 736.345+/-0.090 χ²/NDF:9875515.3/54
Out: 741.678+/-0.090 χ²/NDF:12992931.5/61
All: 739.022+/-0.064 χ²/NDF: 22870206.4/1



Right In: -801.980+/-409.146 χ^2/NDF: 36.5/31

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 771.194+/-411.095 χ^2/NDF: 33.8/36

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

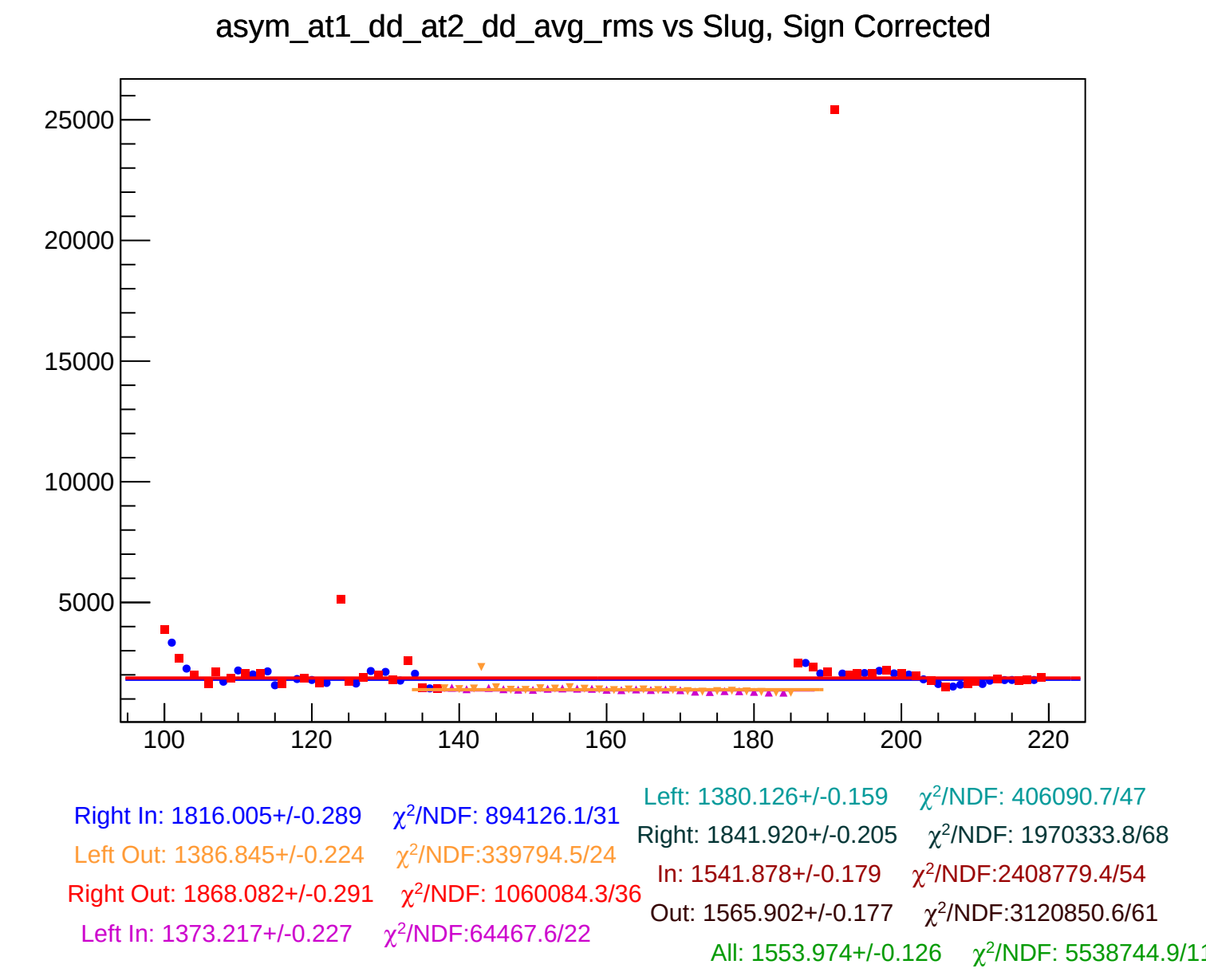
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

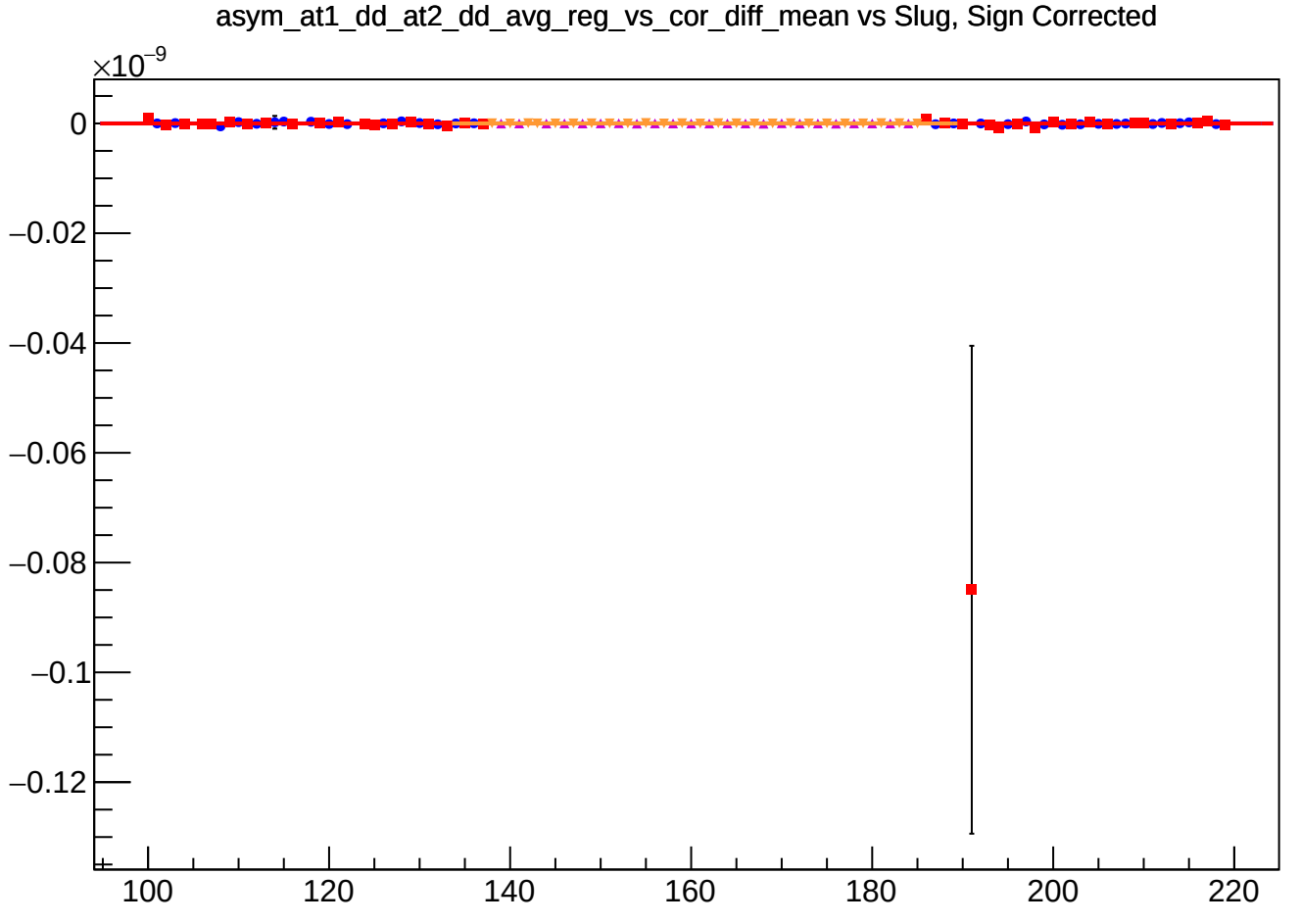
Right: -19.131+/-289.996 χ^2/NDF: 77.7/68

In: -275.652+/-252.515 χ^2/NDF:57.1/54

Out: -278.124+/-250.759 χ^2/NDF:74.0/61

All: -276.897+/-177.931 χ^2/NDF: 131.1/116


asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 1816.005+/-0.289 χ²/NDF: 894126.1/31
Left Out: 1386.845+/-0.224 χ²/NDF:339794.5/24
Right Out: 1868.082+/-0.291 χ²/NDF: 1060084.3/36
Left In: 1373.217+/-0.227 χ²/NDF:64467.6/22
Left: 1380.126+/-0.159 χ²/NDF: 406090.7/47
Right: 1841.920+/-0.205 χ²/NDF: 1970333.8/68
In: 1541.878+/-0.179 χ²/NDF:2408779.4/54
Out: 1565.902+/-0.177 χ²/NDF:3120850.6/61
All: 1553.974+/-0.126 χ²/NDF: 5538744.9/11



Right In: 0.000+/-0.000 χ^2/NDF: 28.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 58.3/36

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

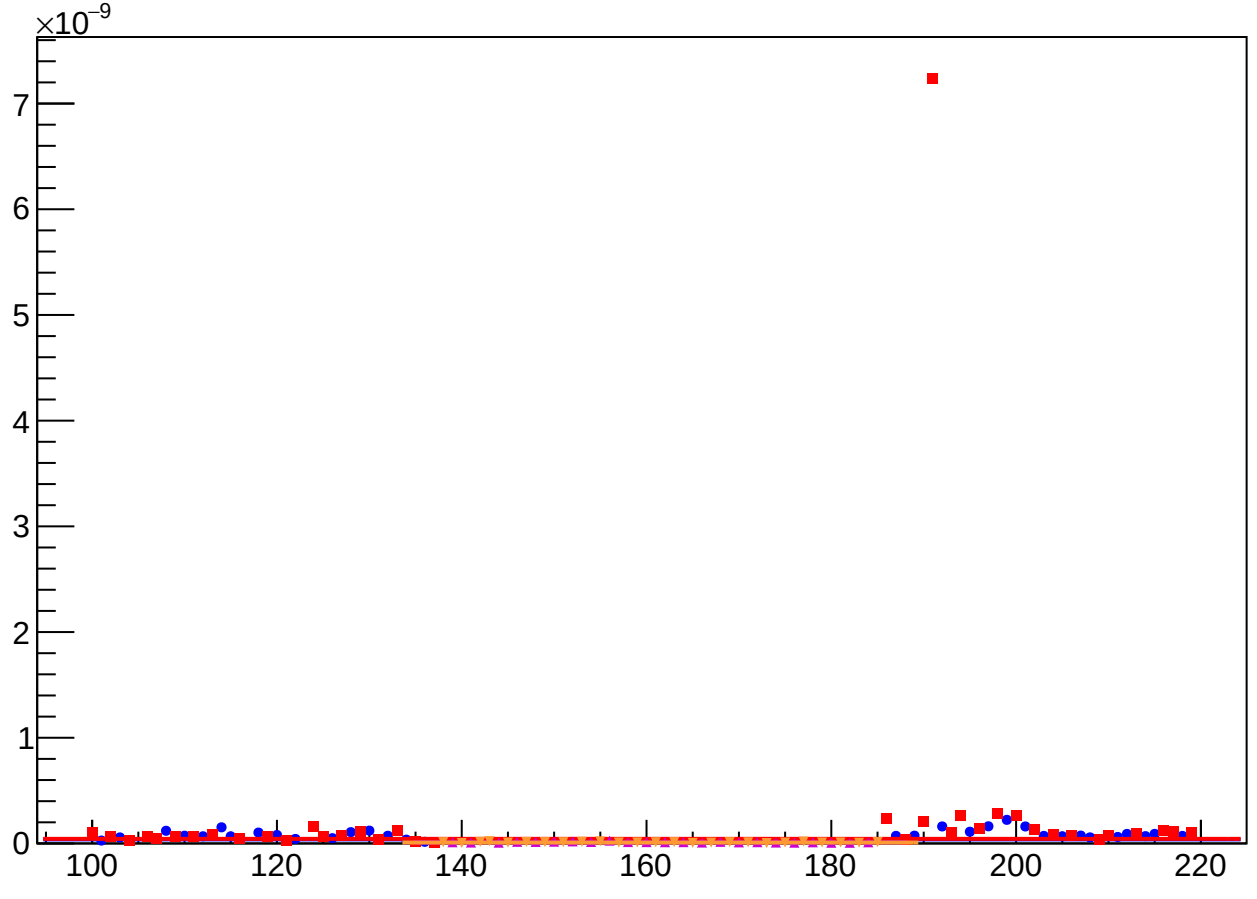
Right: -0.000+/-0.000 χ^2/NDF: 87.0/68

In: 0.000+/-0.000 χ^2/NDF:41.8/54

Out: 0.000+/-0.000 χ^2/NDF:83.5/61

All: 0.000+/-0.000 χ^2/NDF: 125.4/116

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7151204.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7896660.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

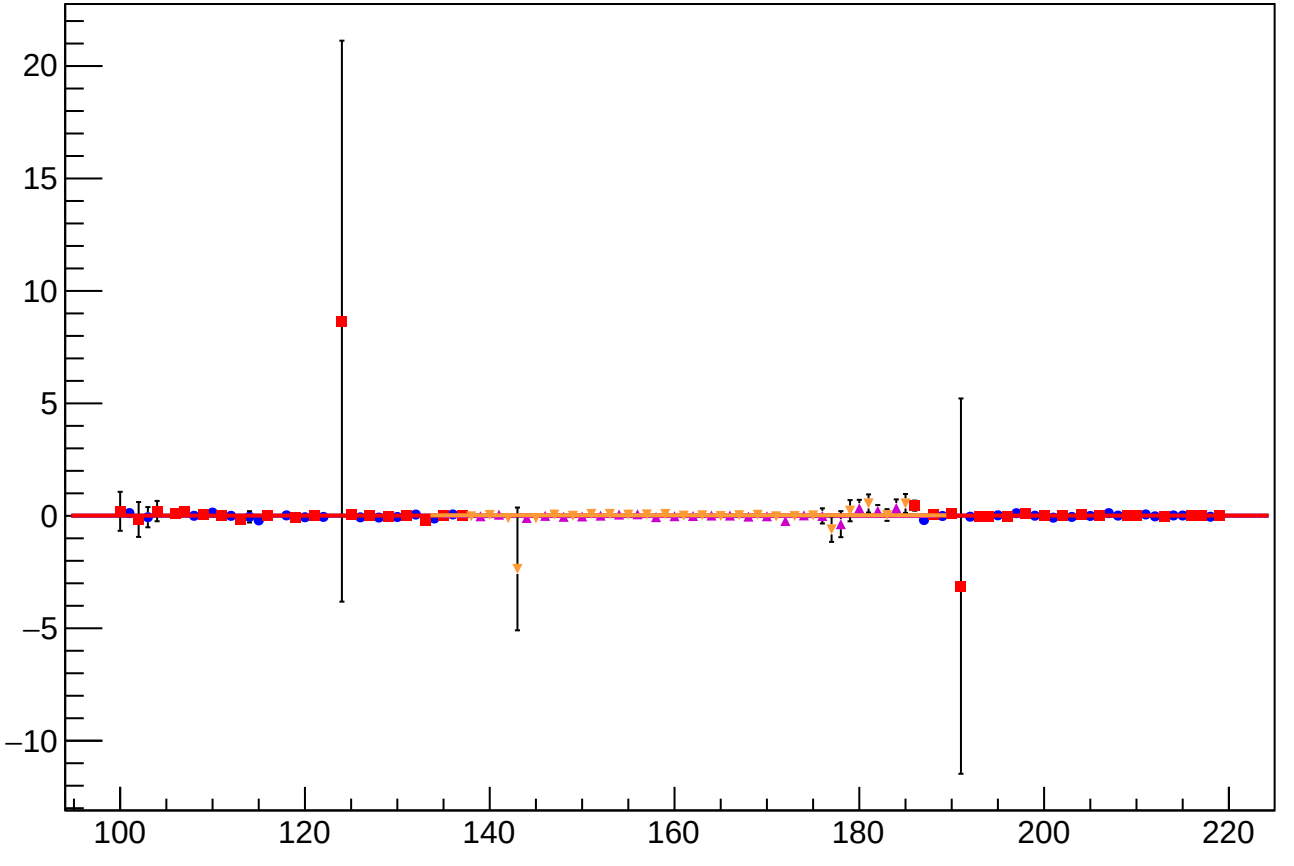
Right: 0.000+/-0.000 χ^2/NDF: 15138395.3/68

In: 0.000+/-0.000 χ^2/NDF:13651939.4/54

Out: 0.000+/-0.000 χ^2/NDF:16772039.7/61

All: 0.000+/-0.000 χ^2/NDF: 30768542.4/116

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 48.2/31

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

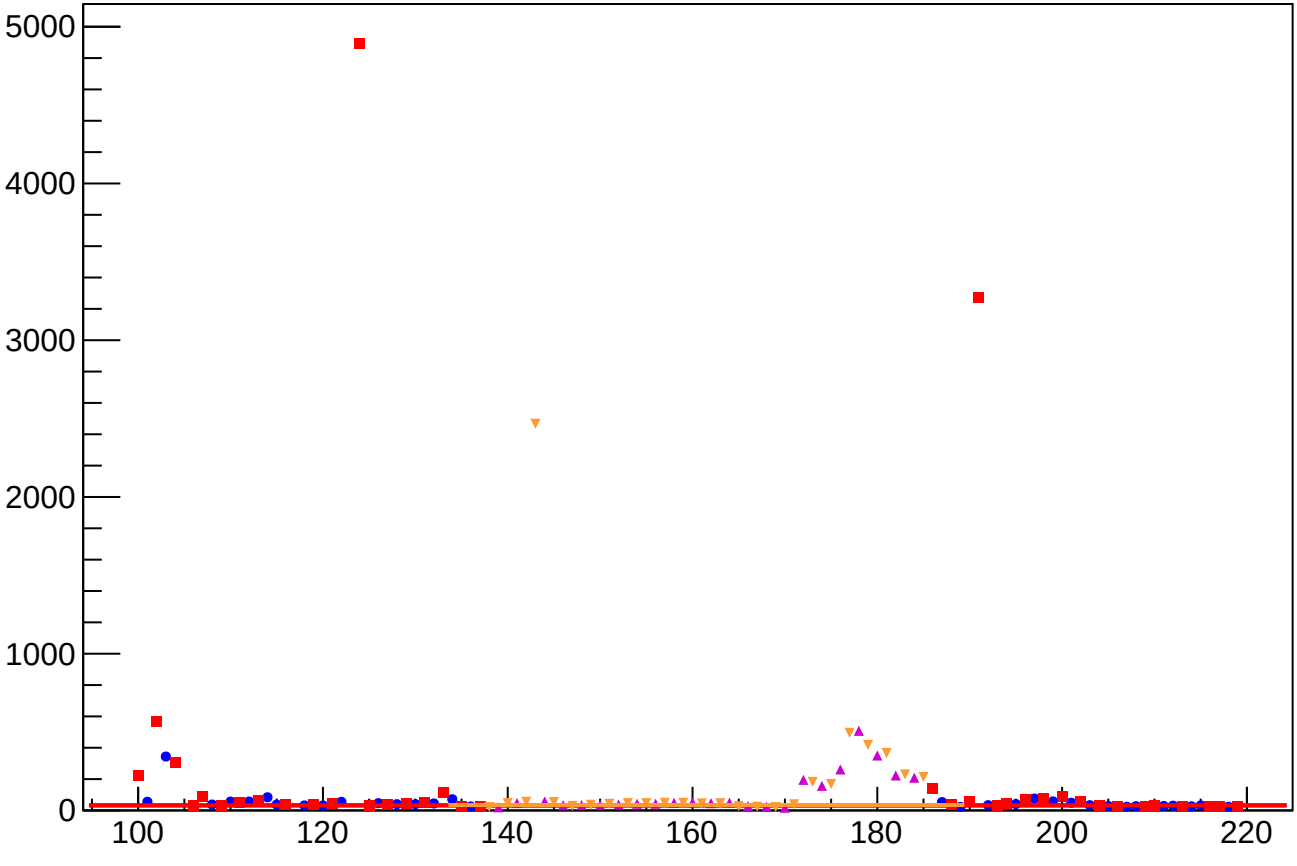
Right: 0.009+/-0.006 χ^2/NDF: 72.9/68

In: -0.000+/-0.006 χ^2/NDF:64.6/54

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.008+/-0.005 χ^2/NDF: 116.0/116

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.041+/-0.006 χ^2/NDF: 3954577.6/31

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

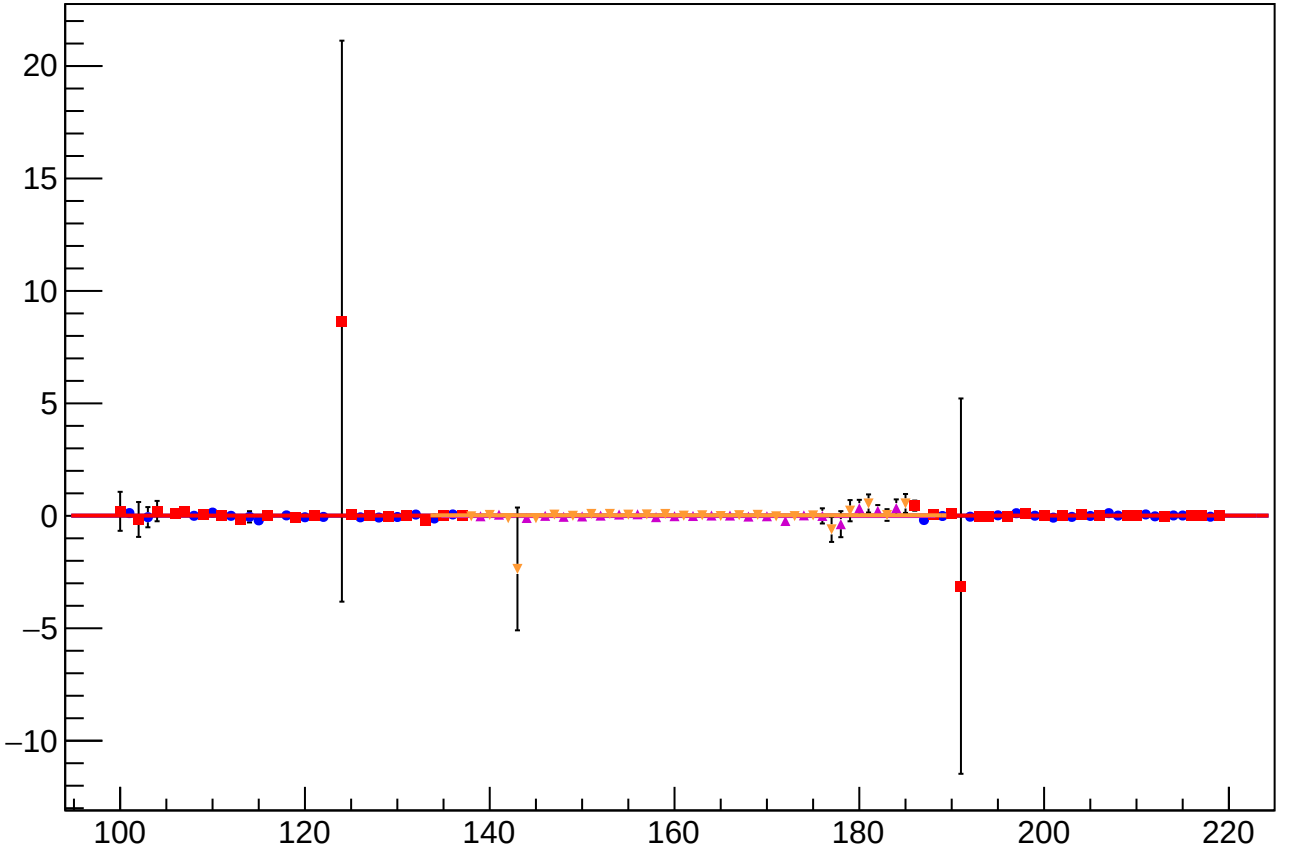
Right: 32.434+/-0.004 χ^2/NDF: 10826573.1/68

In: 32.670+/-0.004 χ^2/NDF:14051011.9/54

Out: 33.572+/-0.005 χ^2/NDF:18300819.3/61

All: 33.108+/-0.003 χ^2/NDF: 32371574.0/116

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 48.2/31

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

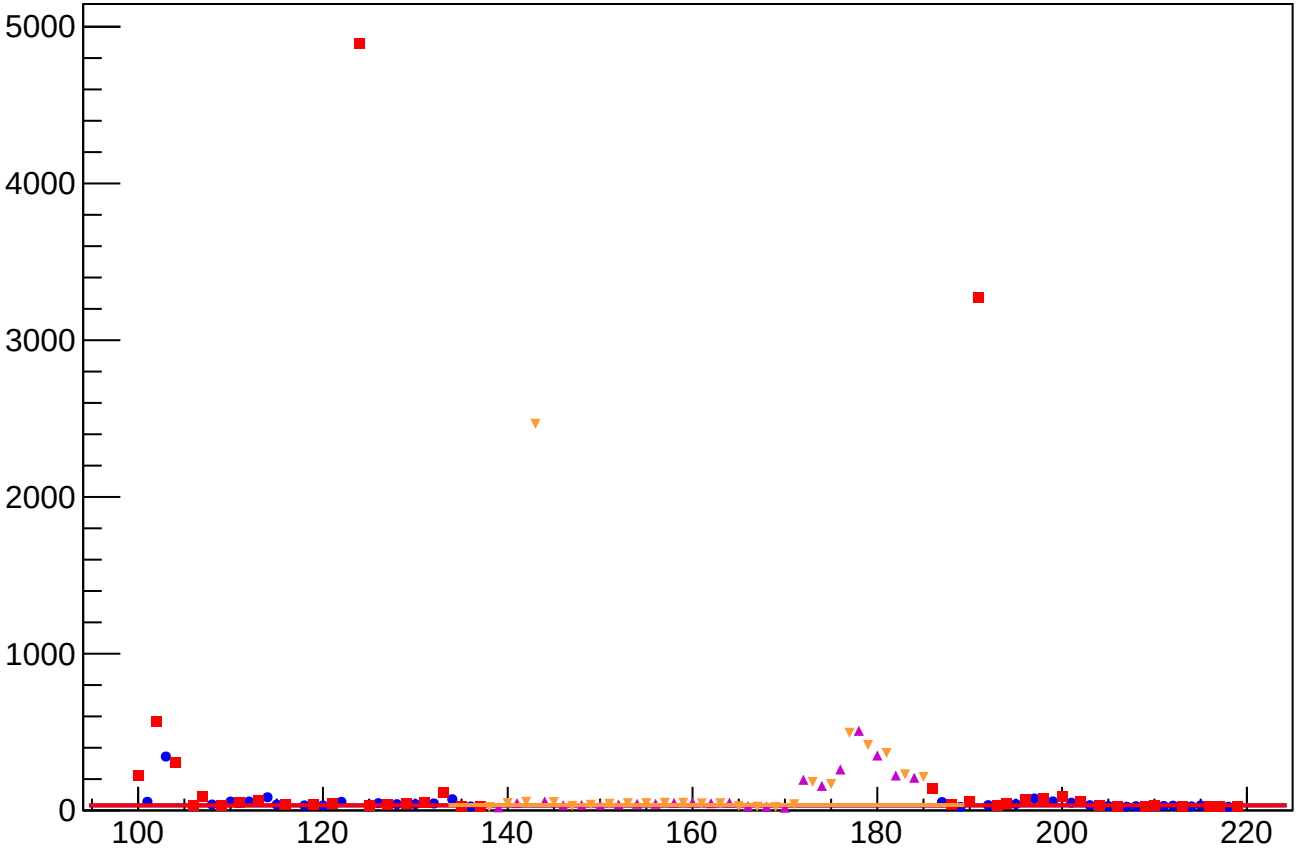
Right: 0.009+/-0.006 χ^2/NDF: 72.9/68

In: -0.000+/-0.006 χ^2/NDF:64.6/54

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.008+/-0.005 χ^2/NDF: 116.0/116

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.041+/-0.006 χ^2/NDF: 3954577.6/31

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

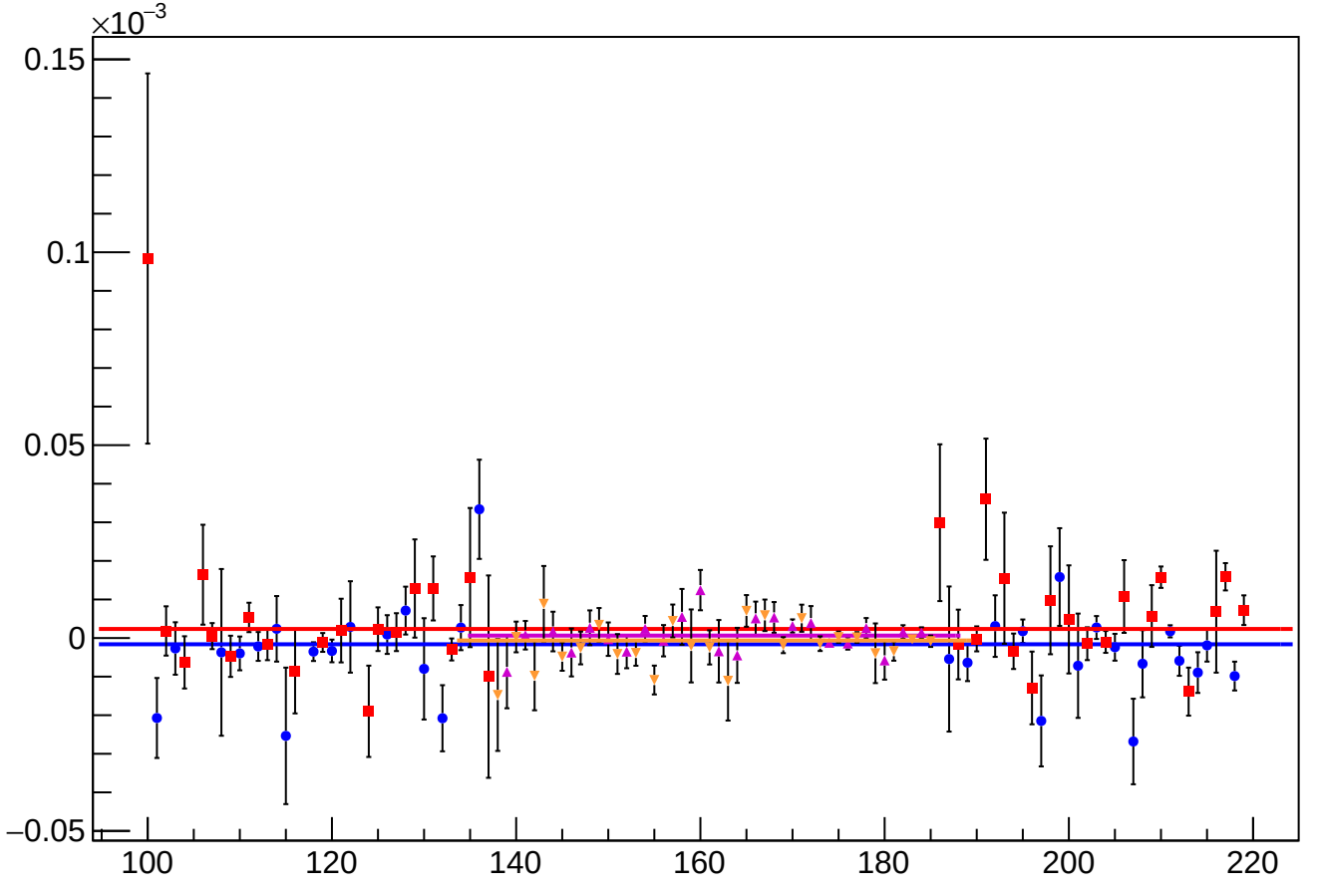
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 32.434+/-0.004 χ^2/NDF: 10826573.1/68

In: 32.670+/-0.004 χ^2/NDF:14051011.9/54

Out: 33.572+/-0.005 χ^2/NDF:18300819.3/61

All: 33.108+/-0.003 χ^2/NDF: 32371574.0/116



Right In: -0.000+/-0.000 χ^2/NDF: 50.1/31

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 85.6/36

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

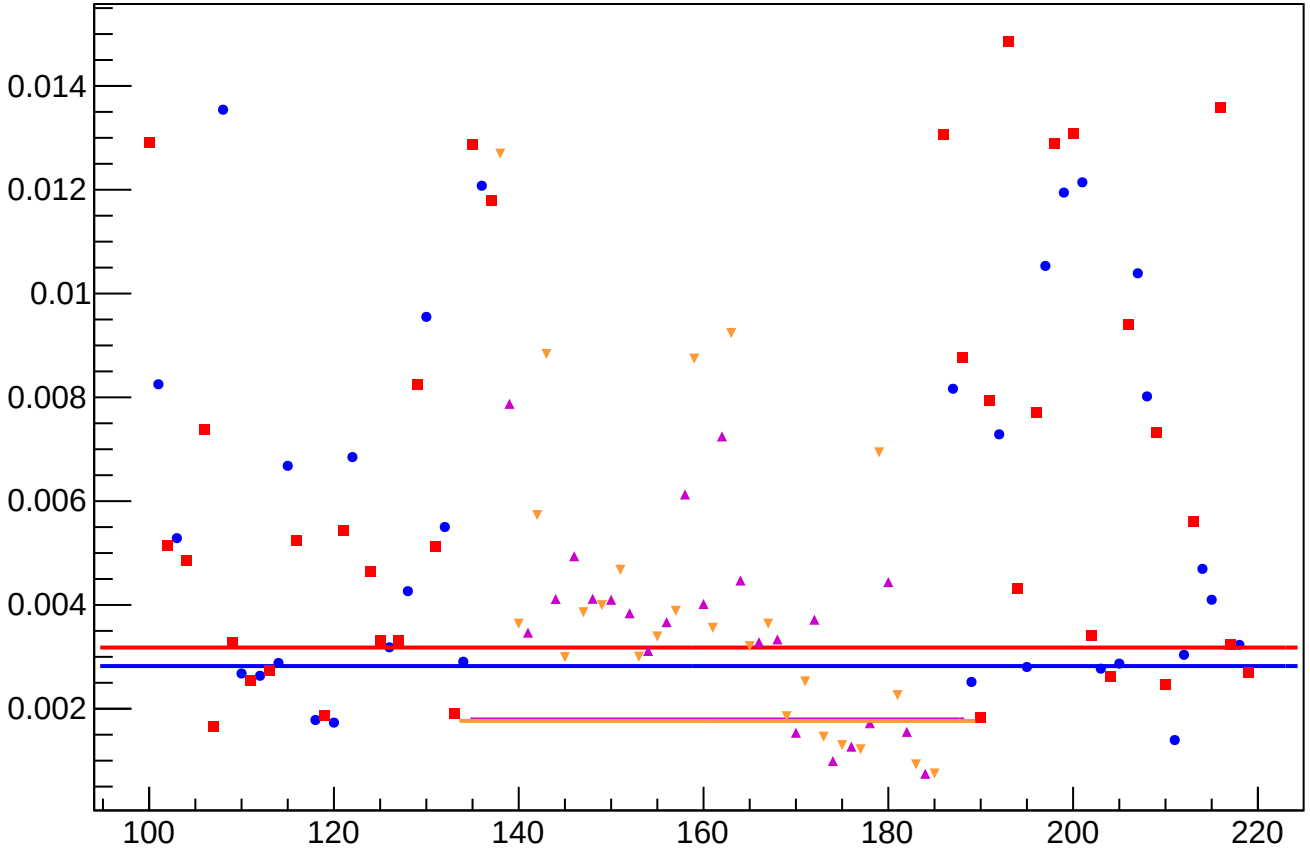
Right: 0.000+/-0.000 χ^2/NDF: 147.7/68

In: -0.000+/-0.000 χ^2/NDF:77.6/54

Out: 0.000+/-0.000 χ^2/NDF:123.2/61

All: 0.000+/-0.000 χ^2/NDF: 201.0/116

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: 11550294.0/31

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 11631328.0/36

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

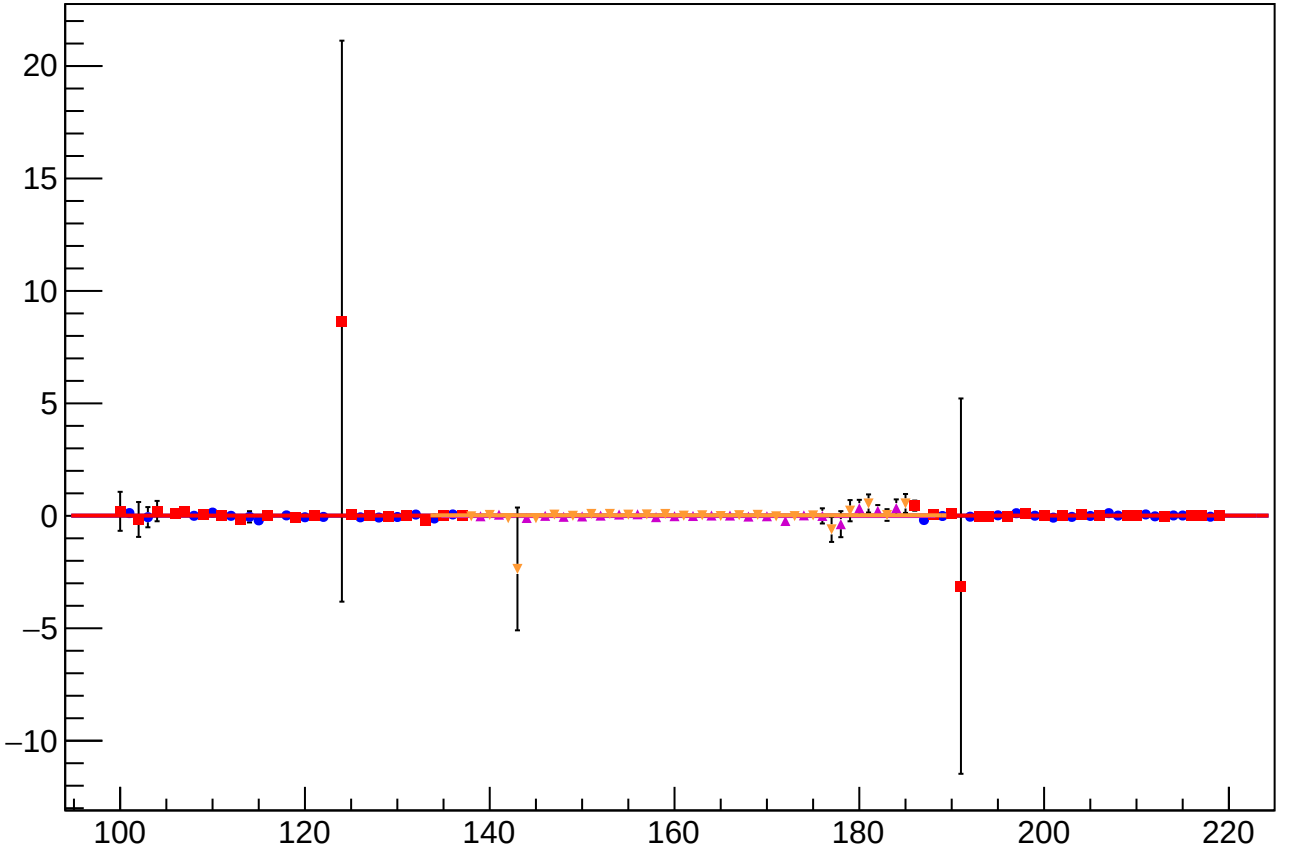
Right: 0.003+/-0.000 χ^2/NDF: 23375565.6/68

In: 0.002+/-0.000 χ^2/NDF:24639710.5/54

Out: 0.002+/-0.000 χ^2/NDF:28698438.0/61

All: 0.002+/-0.000 χ^2/NDF: 53340849.3/116

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 48.2/31

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

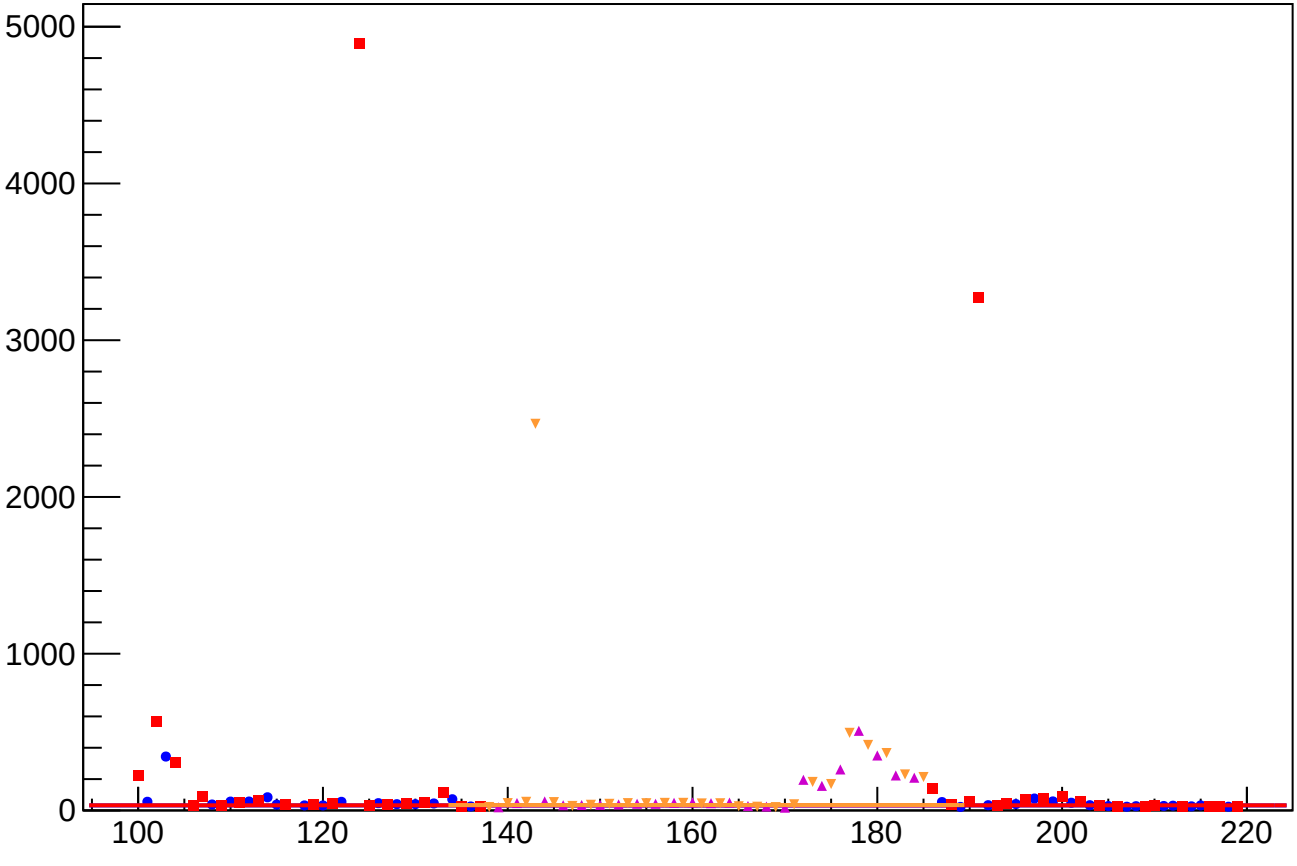
Right: 0.009+/-0.006 χ^2/NDF: 72.9/68

In: -0.000+/-0.006 χ^2/NDF:64.6/54

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.008+/-0.005 χ^2/NDF: 116.0/116

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.044+/-0.006 χ^2/NDF: 3953293.6/31

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

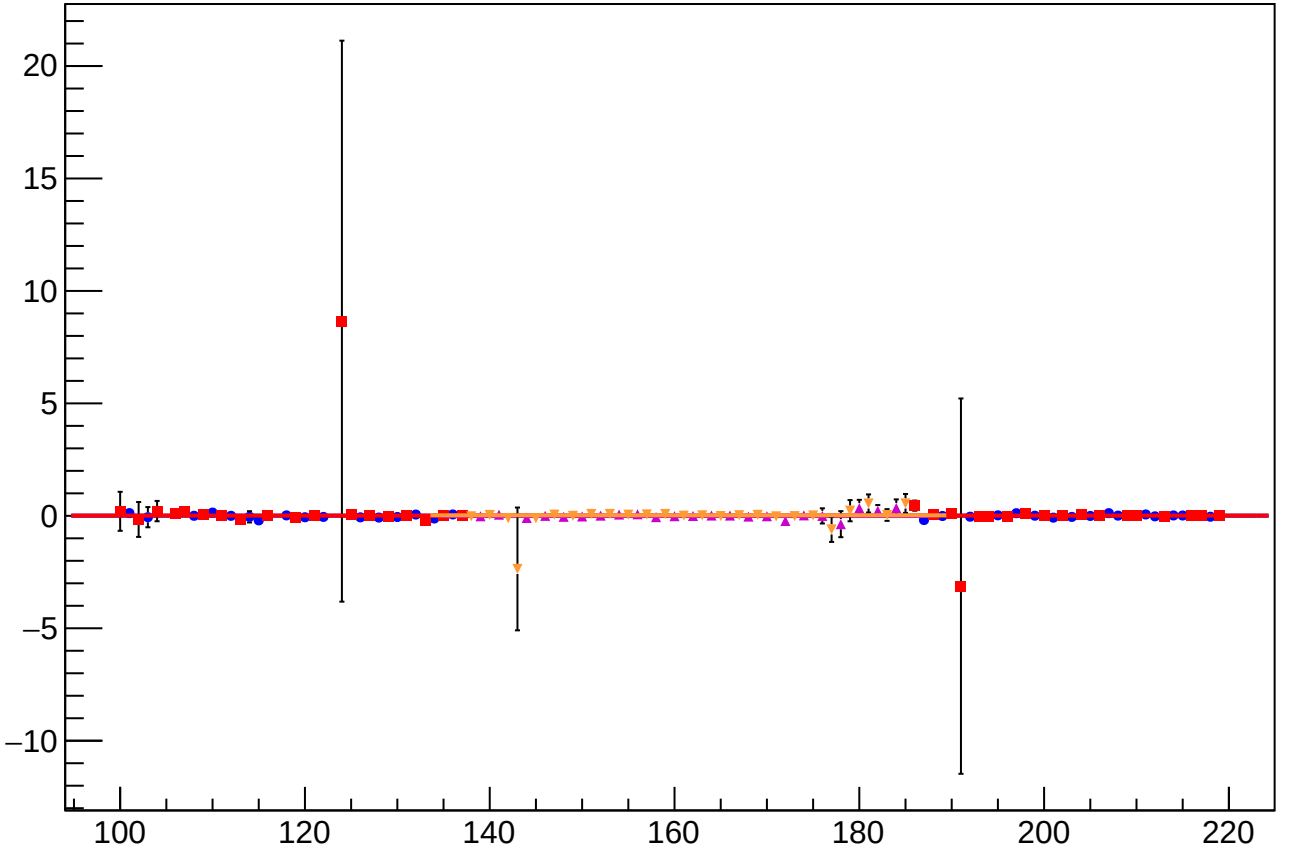
Right: 32.435+/-0.004 χ^2/NDF: 10825172.5/68

In: 32.672+/-0.004 χ^2/NDF:14048446.5/54

Out: 33.572+/-0.005 χ^2/NDF:18300820.3/61

All: 33.109+/-0.003 χ^2/NDF: 32368893.0/116

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 48.2/31

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

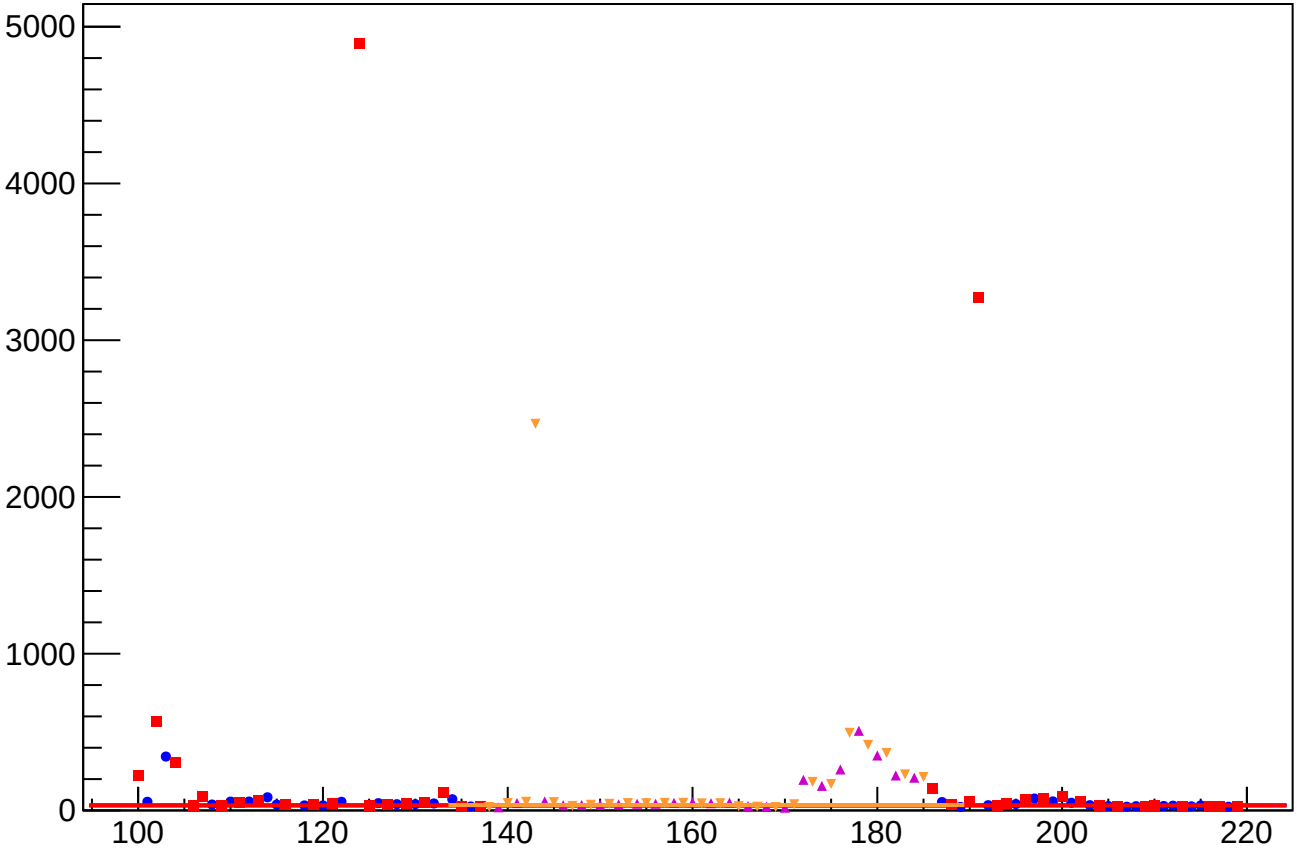
Right: 0.009+/-0.006 χ^2/NDF: 72.9/68

In: -0.000+/-0.006 χ^2/NDF:64.6/54

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.008+/-0.005 χ^2/NDF: 116.0/116

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.044+/-0.006 χ^2/NDF: 3953293.6/31

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

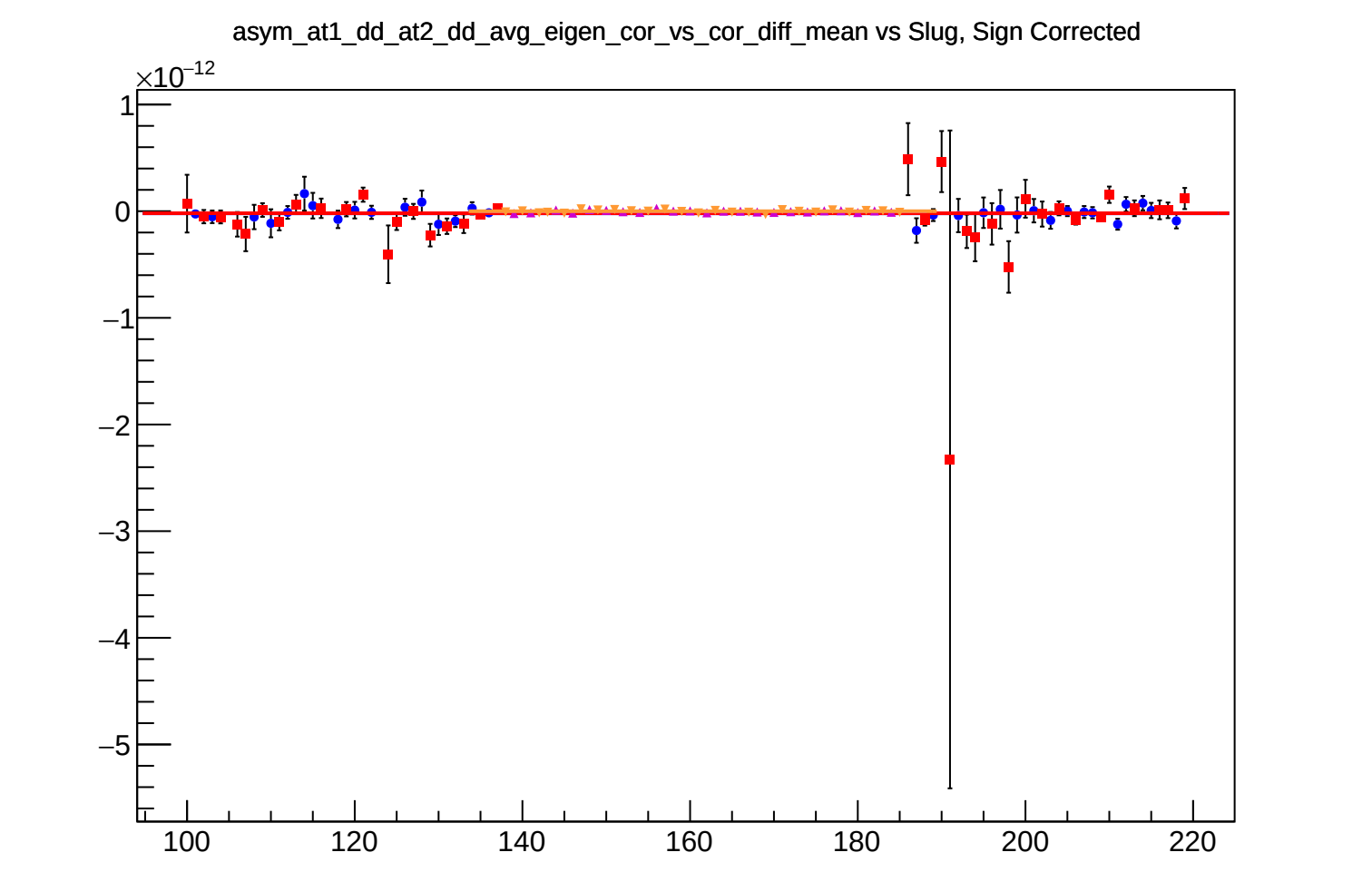
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 32.435+/-0.004 χ^2/NDF: 10825172.5/68

In: 32.672+/-0.004 χ^2/NDF:14048446.5/54

Out: 33.572+/-0.005 χ^2/NDF:18300820.3/61

All: 33.109+/-0.003 χ^2/NDF: 32368893.0/116



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/31

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 52.8/36

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

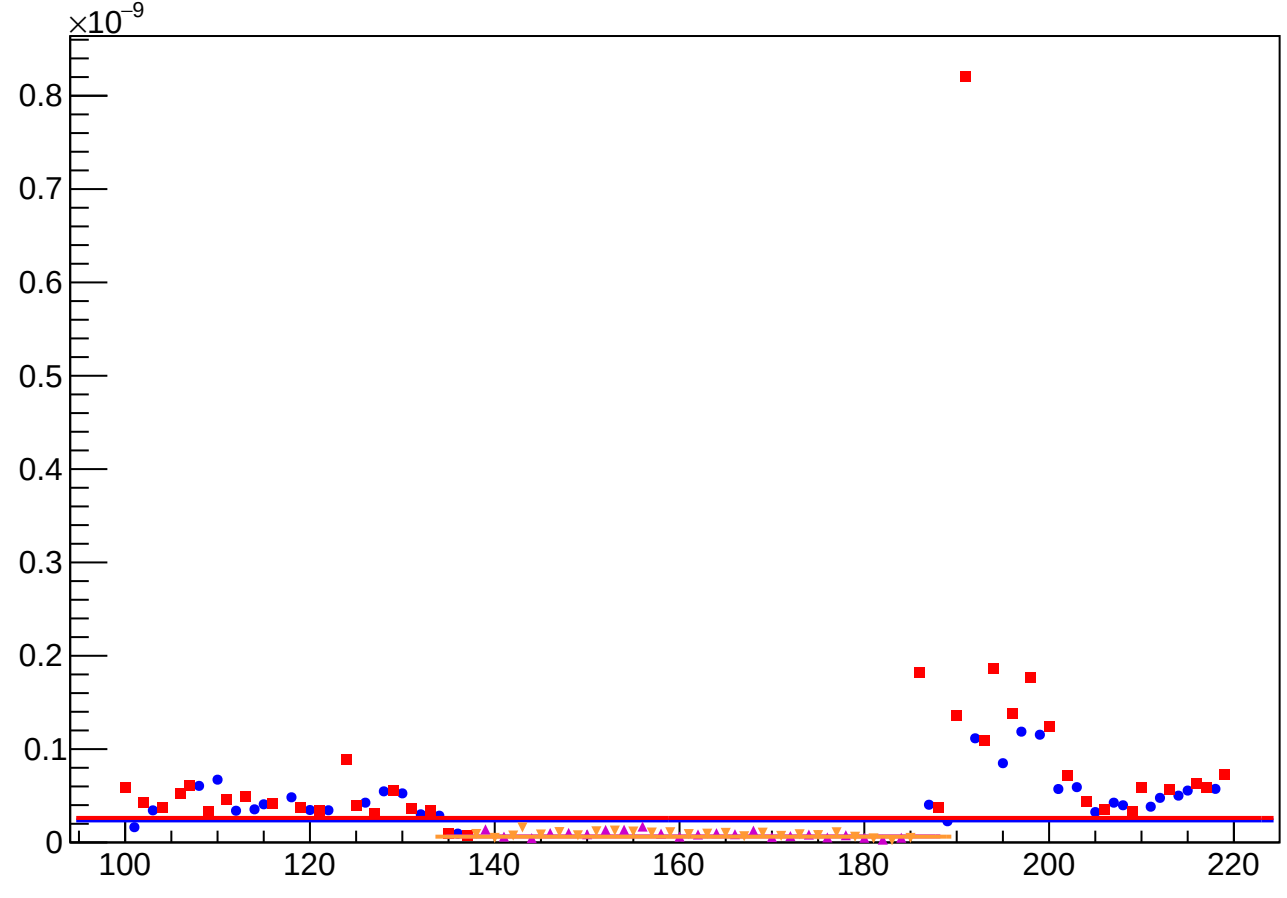
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 73.0/68

In: -0.000+/-0.000 χ^2/NDF:44.2/54

Out: -0.000+/-0.000 χ^2/NDF:82.7/61

All: -0.000+/-0.000 χ^2/NDF: 127.4/116



Right In: 0.000+/-0.000 χ^2/NDF: 9000854.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11712452.7/36

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

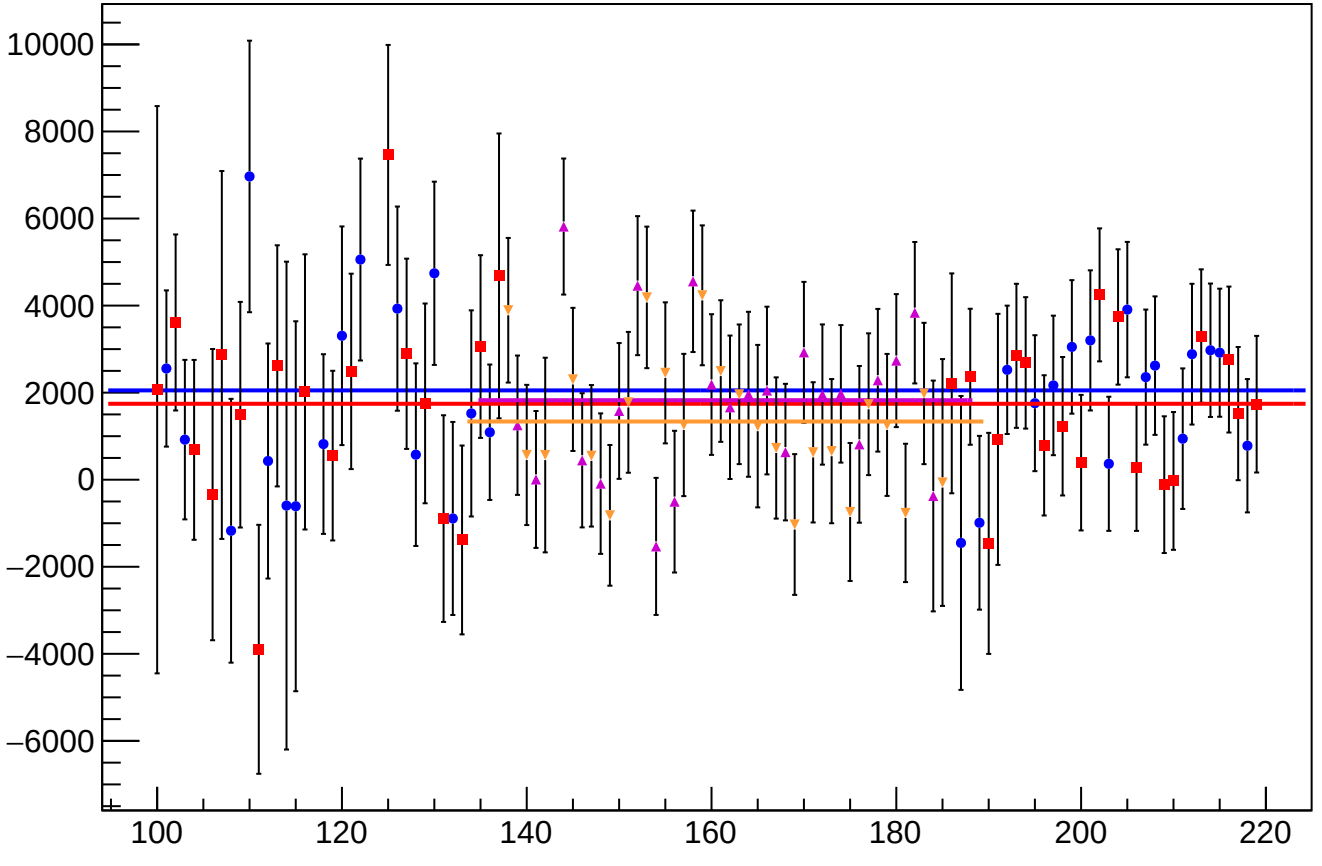
Right: 0.000+/-0.000 χ^2/NDF: 20798599.8/68

In: 0.000+/-0.000 χ^2/NDF:20375628.6/54

Out: 0.000+/-0.000 χ^2/NDF:25199543.3/61

All: 0.000+/-0.000 χ^2/NDF: 45614067.7/116

reg_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2051.838+/-329.893 χ^2/NDF: 21.7/31

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1744.470+/-325.278 χ^2/NDF: 29.3/35

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

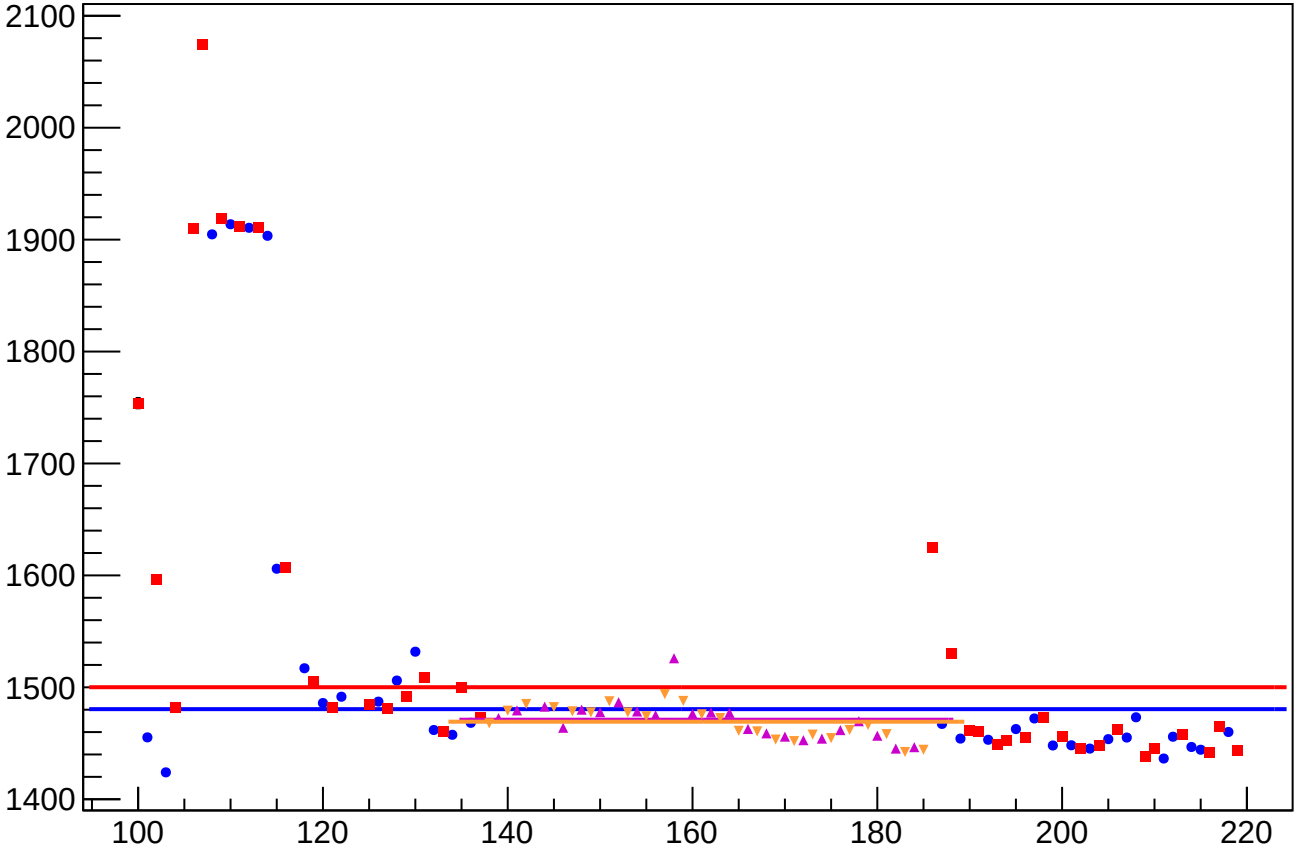
Right: 1895.989+/-231.621 χ^2/NDF: 51.4/67

In: 1943.762+/-237.929 χ^2/NDF:48.4/54

Out: 1550.356+/-235.372 χ^2/NDF:49.2/59

All: 1744.934+/-167.330 χ^2/NDF: 99.0/114

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1480.497+/-0.233 χ^2/NDF: 156404.1/31

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1500.095+/-0.230 χ^2/NDF: 249309.2/35

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

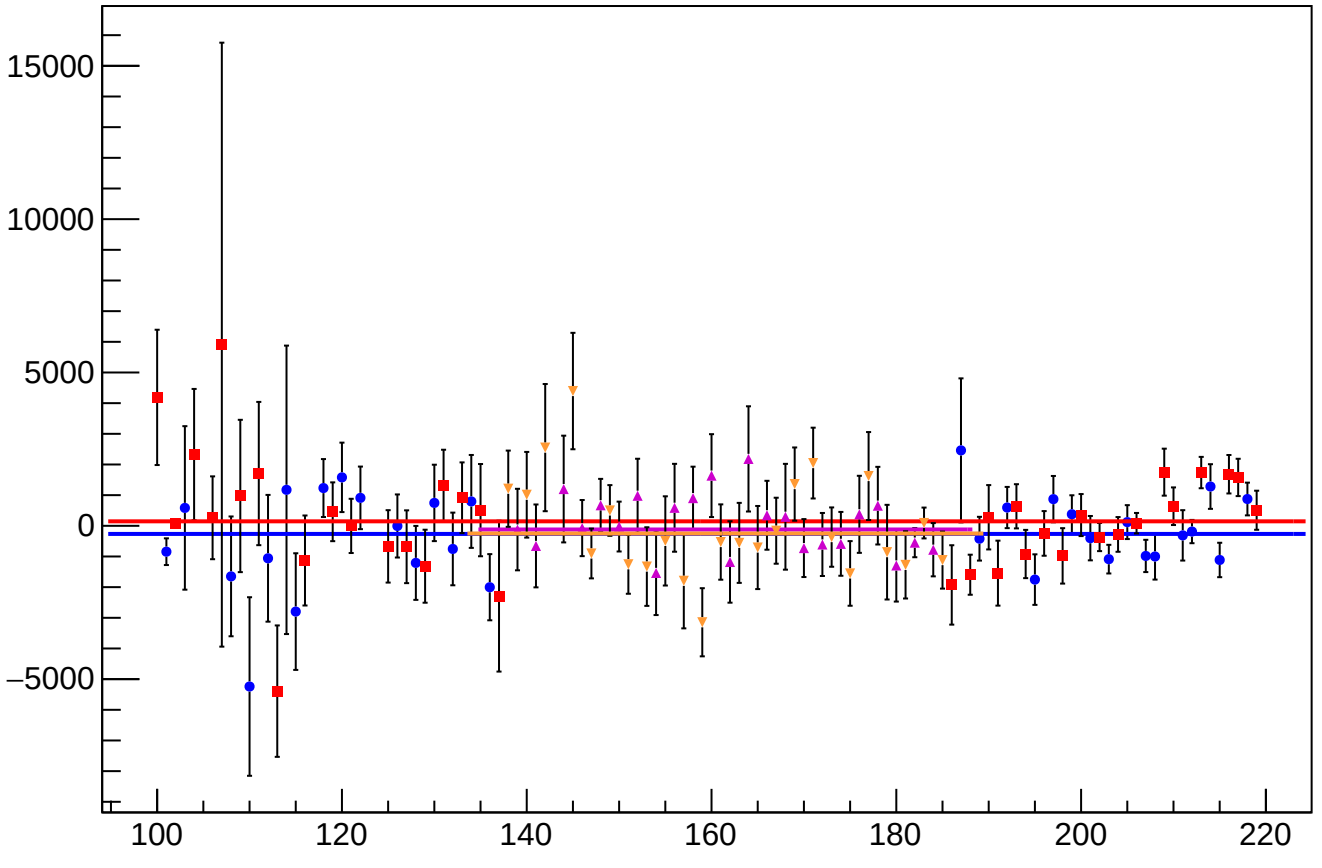
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1490.434+/-0.164 χ^2/NDF: 409292.1/67

In: 1475.966+/-0.168 χ^2/NDF:161832.9/54

Out: 1485.408+/-0.166 χ^2/NDF:261022.6/59

All: 1480.738+/-0.118 χ^2/NDF: 424447.4/114



Right In: -264.626+/-133.834 χ^2/NDF: 45.9/31

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: 146.396+/-96.427 χ^2/NDF: 63.1/35

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

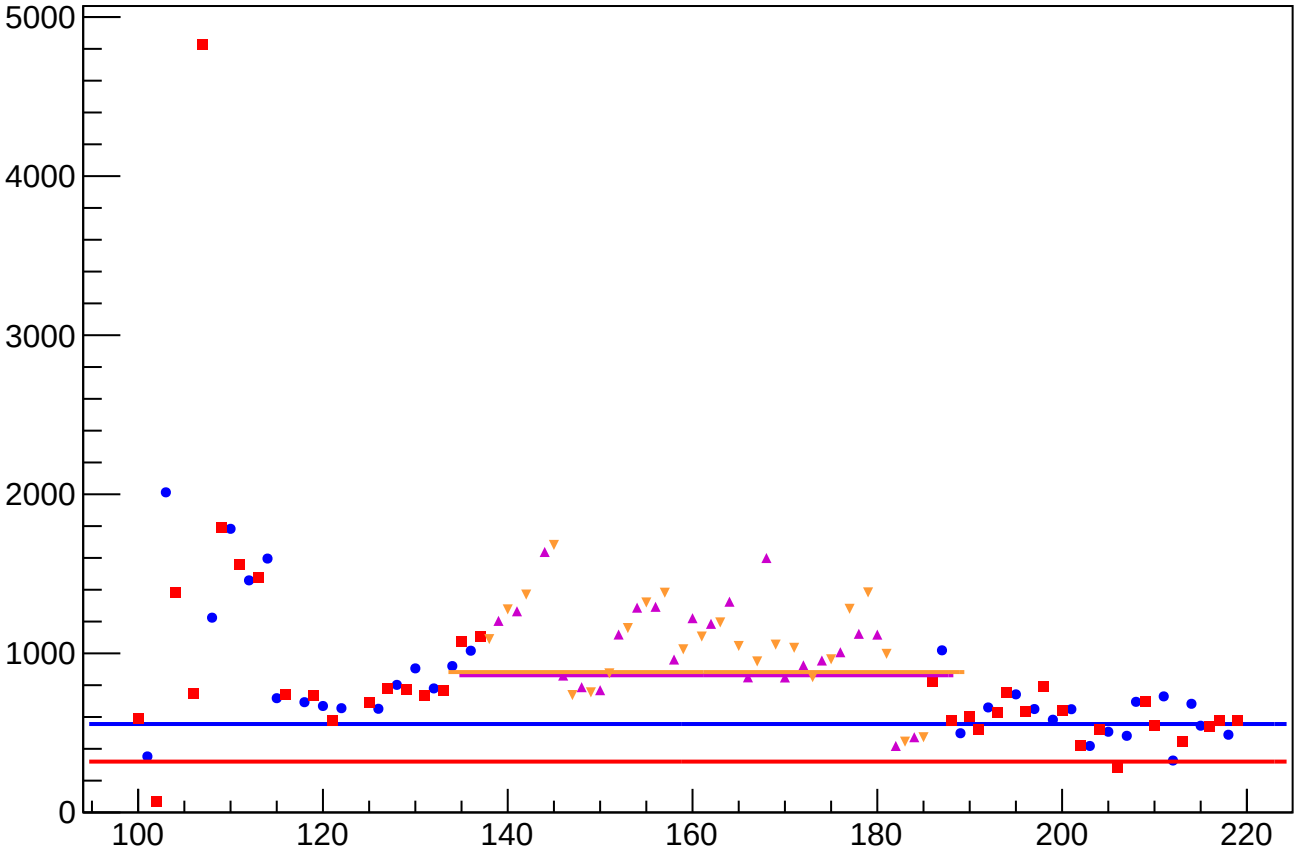
Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

Right: 5.942+/-78.235 χ^2/NDF: 115.2/67

In: -224.444+/-113.763 χ^2/NDF:59.0/54

Out: 81.453+/-88.209 χ^2/NDF:98.6/59

All: -33.404+/-69.709 χ^2/NDF: 162.1/114



Right In: 555.896+/-0.095 χ^2/NDF: 4531178.8/31

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 319.667+/-0.068 χ^2/NDF: 17699798.2/35

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

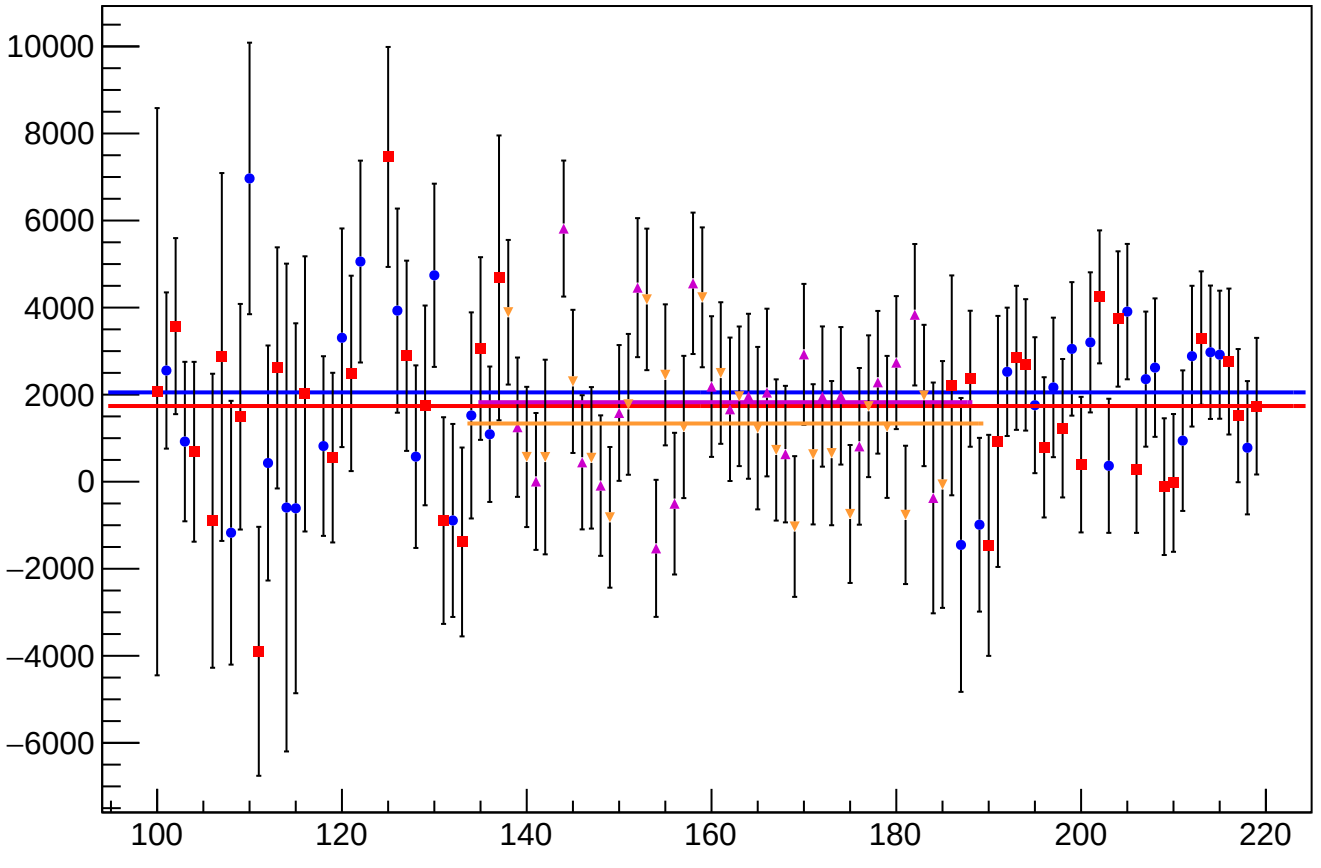
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 400.391+/-0.055 χ^2/NDF: 26332749.0/67

In: 640.908+/-0.080 χ^2/NDF:11809113.7/54

Out: 411.494+/-0.062 χ^2/NDF:32716701.1/59

All: 497.634+/-0.049 χ^2/NDF: 49605306.1/11



Right In: 2051.910+/-329.893 χ^2/NDF: 21.7/31

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1738.698+/-325.309 χ^2/NDF: 29.5/35

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

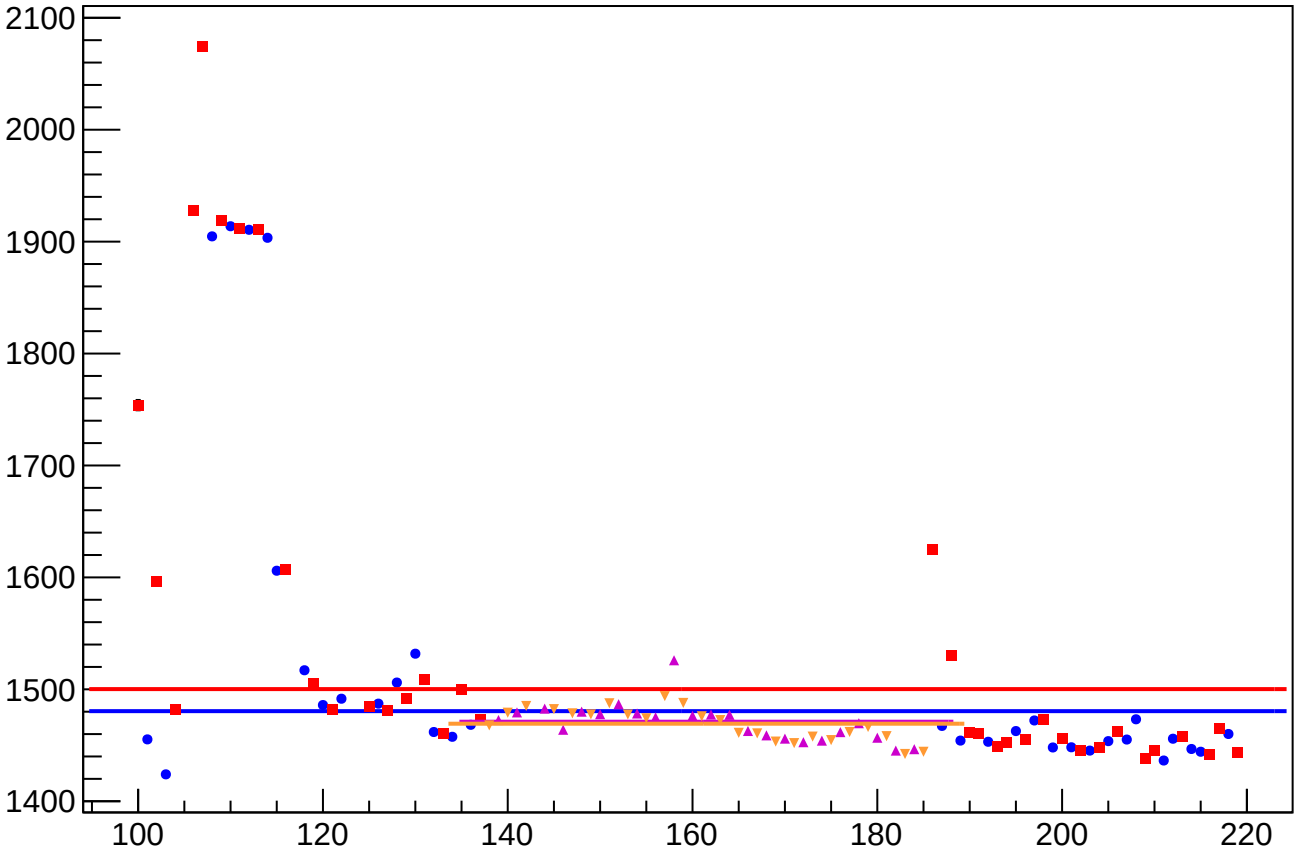
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1893.113+/-231.632 χ^2/NDF: 51.6/67

In: 1943.822+/-237.929 χ^2/NDF:48.4/54

Out: 1547.320+/-235.384 χ^2/NDF:49.4/59

All: 1743.439+/-167.334 χ^2/NDF: 99.2/114



Right In: 1480.497+/-0.233 χ^2/NDF: 156404.1/31

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1500.195+/-0.230 χ^2/NDF: 251448.3/35

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

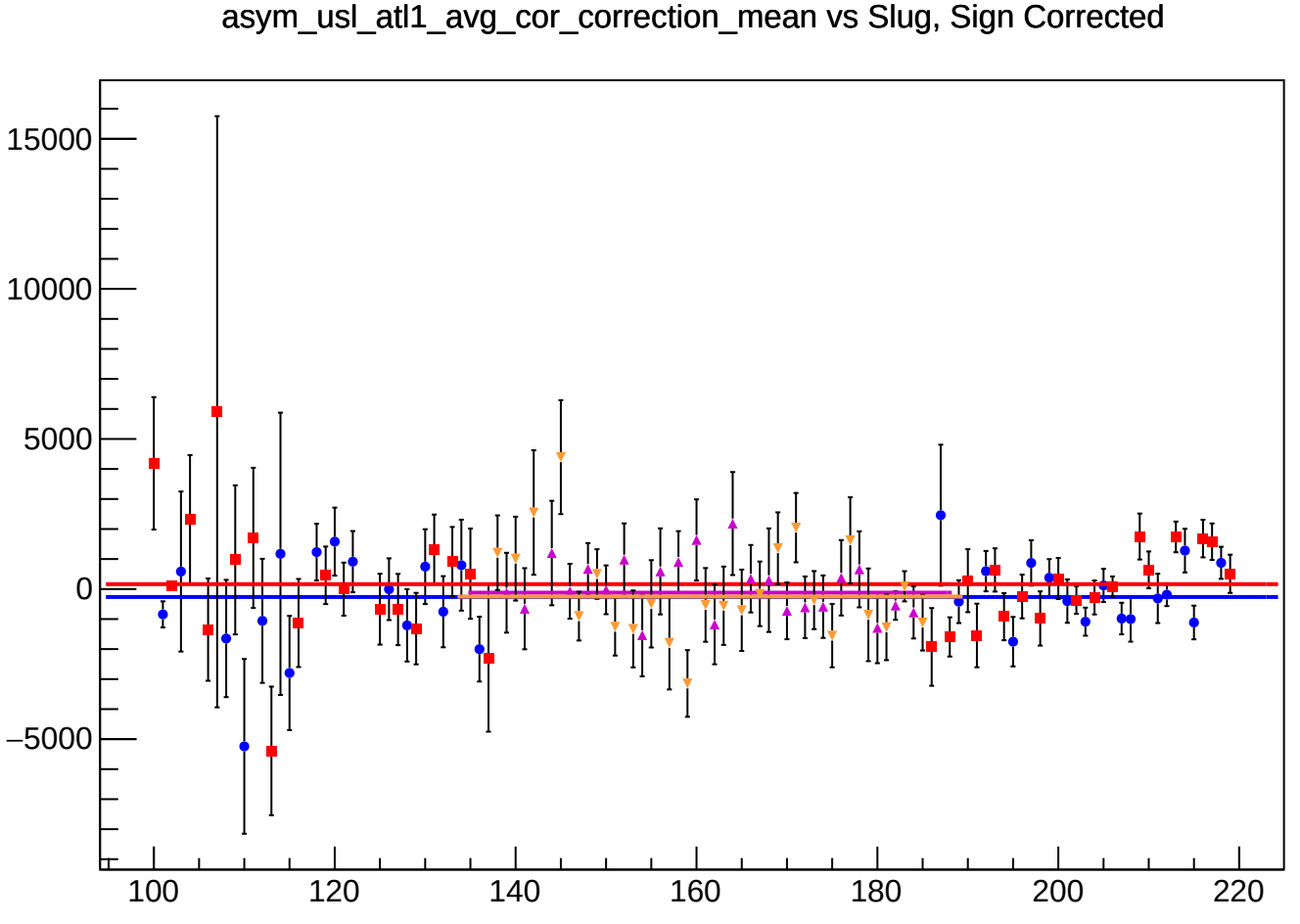
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1490.484+/-0.164 χ^2/NDF: 411467.7/67

In: 1475.966+/-0.168 χ^2/NDF:161832.9/54

Out: 1485.460+/-0.166 χ^2/NDF:263217.0/59

All: 1480.764+/-0.118 χ^2/NDF: 426659.1/114



Right In: -264.642+/-133.832 χ^2/NDF: 45.9/31

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 163.108+/-100.692 χ^2/NDF: 63.6/35

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

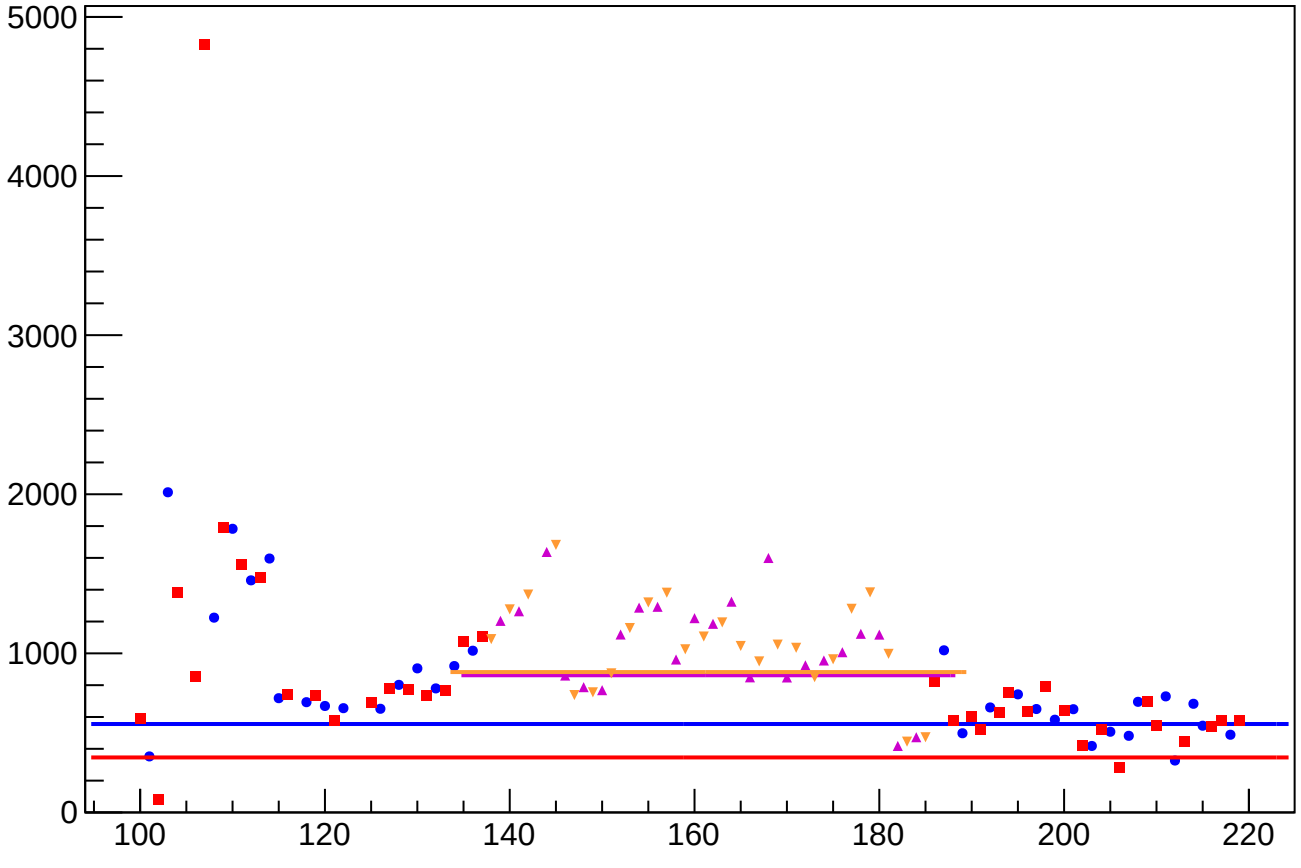
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: 8.494+/-80.462 χ^2/NDF: 116.0/67

In: -224.468+/-113.761 χ^2/NDF:59.0/54

Out: 90.394+/-91.439 χ^2/NDF:99.3/59

All: -33.187+/-71.270 χ^2/NDF: 162.9/114



Right In: 555.880+/-0.095 χ^2/NDF: 4531714.2/31

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 345.748+/-0.071 χ^2/NDF: 16036320.5/35

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

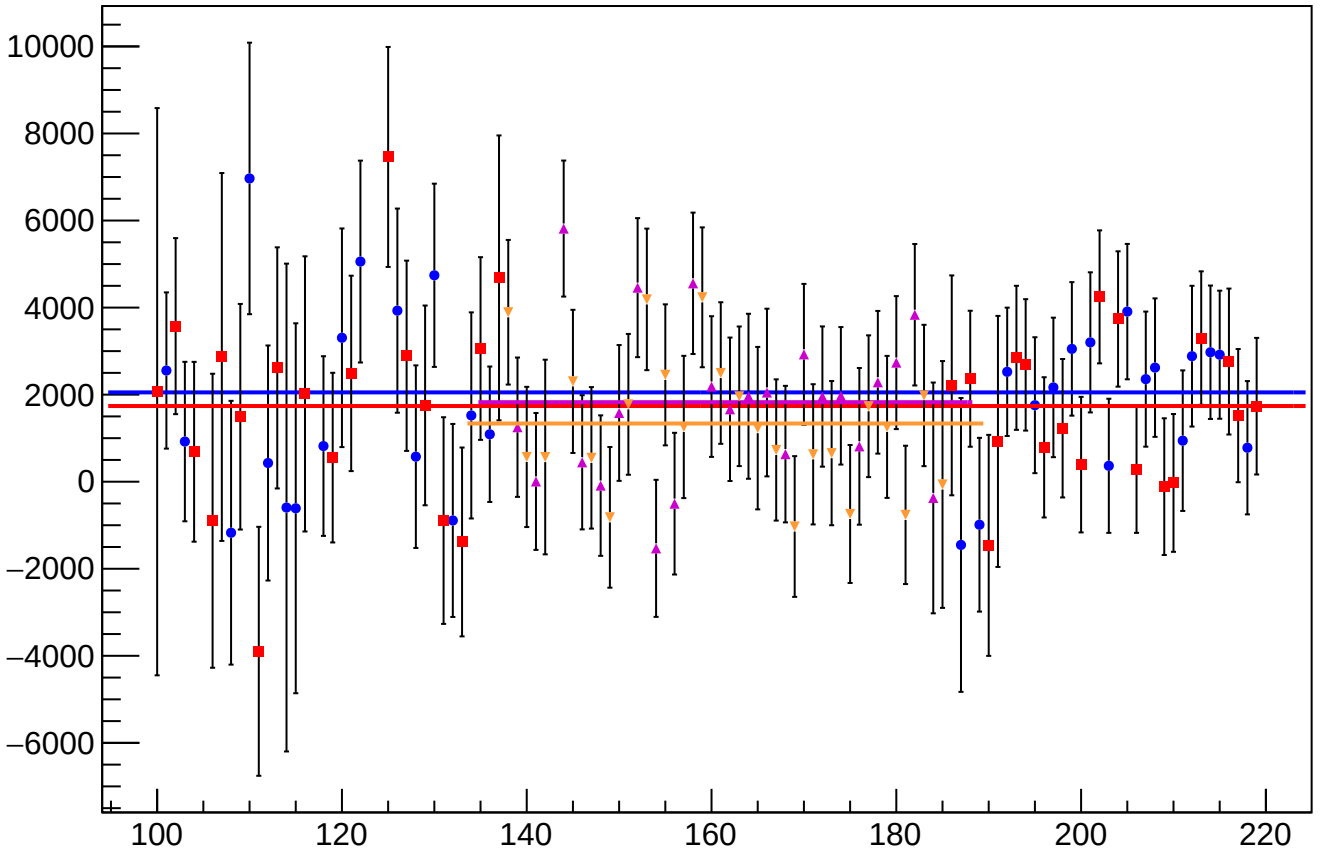
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 421.702+/-0.057 χ^2/NDF: 23716406.0/67

In: 640.895+/-0.080 χ^2/NDF:11810005.7/54

Out: 439.849+/-0.065 χ^2/NDF:29899870.5/59

All: 518.758+/-0.050 χ^2/NDF: 45504661.2/11



Right In: 2051.910+/-329.893 χ^2/NDF: 21.7/31

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1738.698+/-325.309 χ^2/NDF: 29.5/35

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

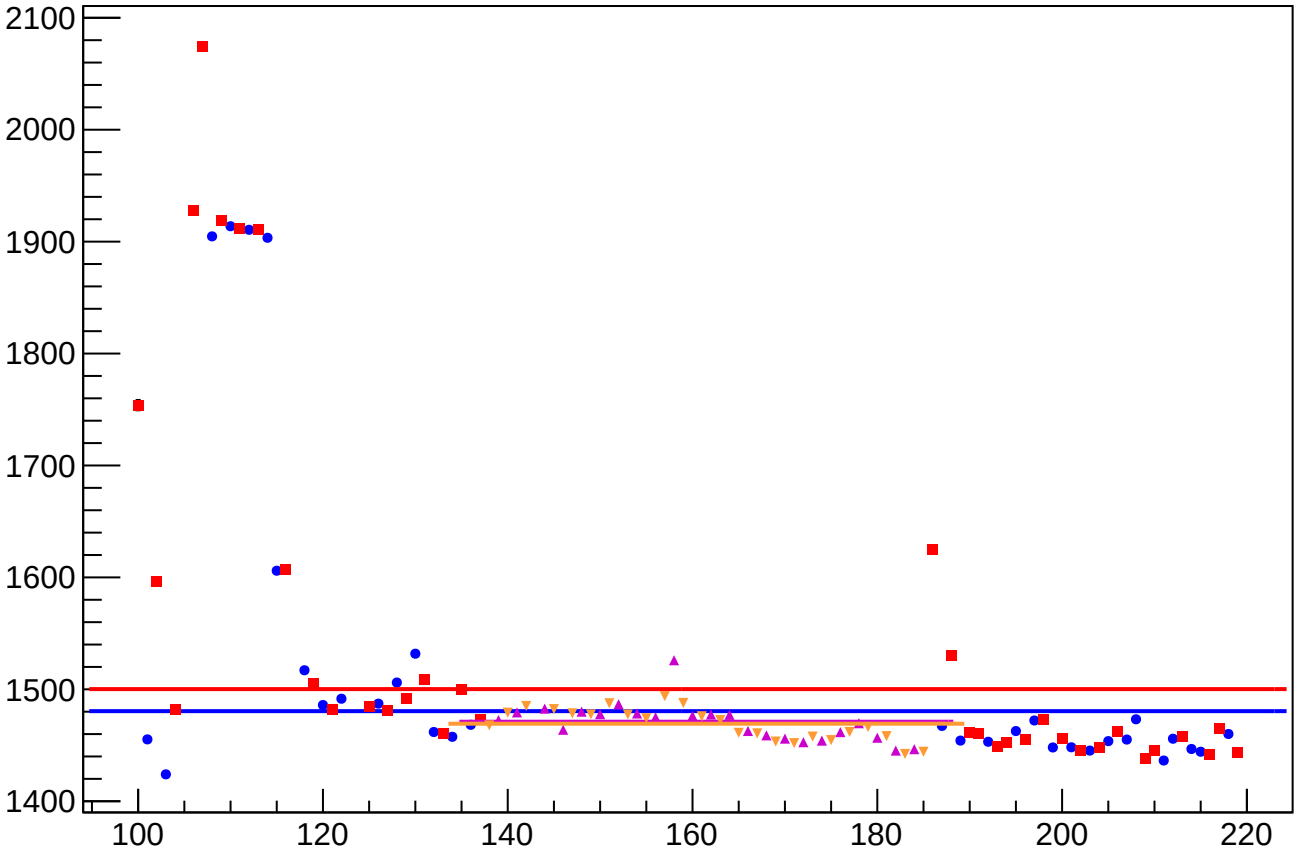
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1893.113+/-231.632 χ^2/NDF: 51.6/67

In: 1943.822+/-237.929 χ^2/NDF:48.4/54

Out: 1547.320+/-235.384 χ^2/NDF:49.4/59

All: 1743.439+/-167.334 χ^2/NDF: 99.2/114



Right In: 1480.497+/-0.233 χ^2/NDF: 156404.1/31

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1500.195+/-0.230 χ^2/NDF: 251448.3/35

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

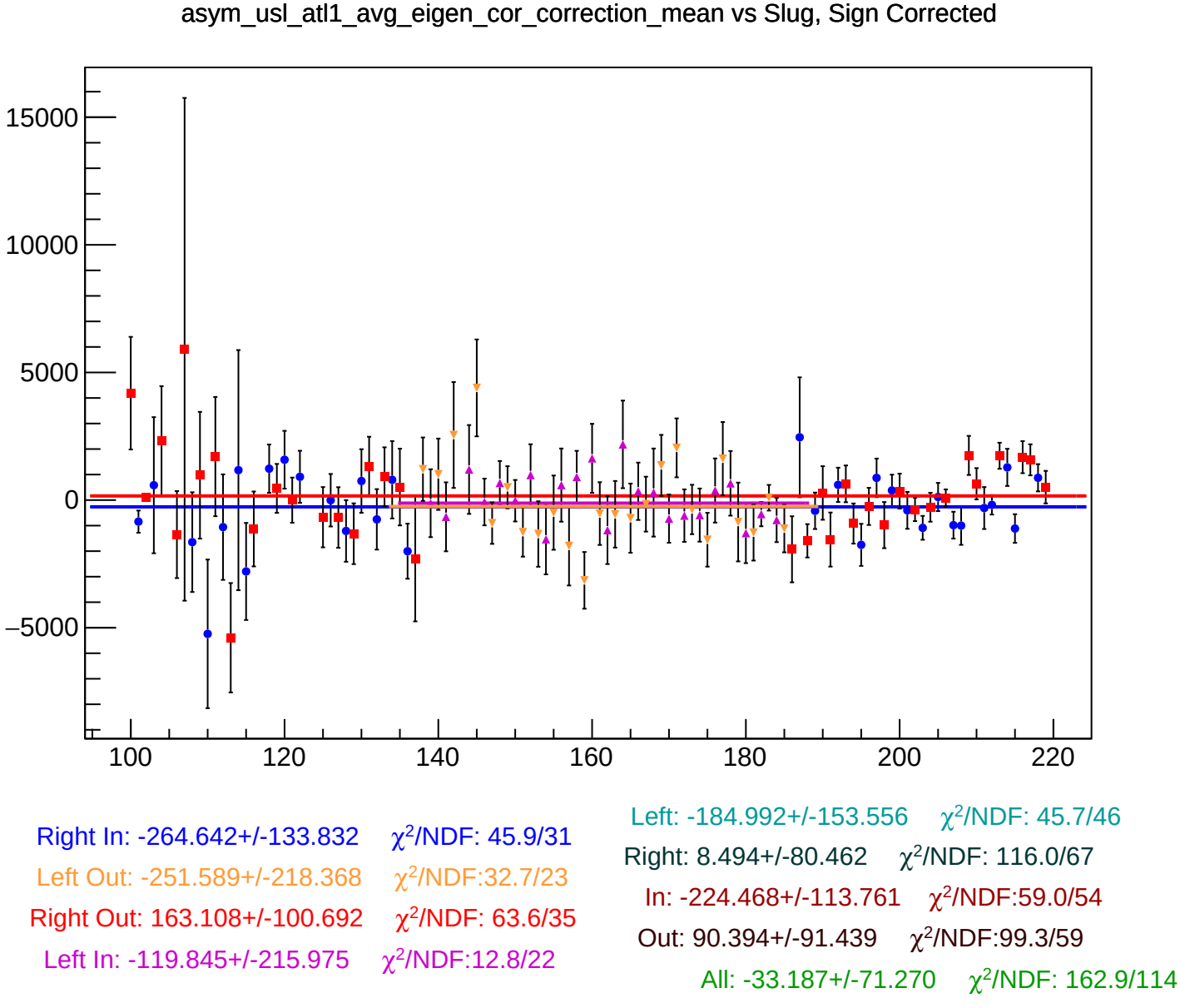
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

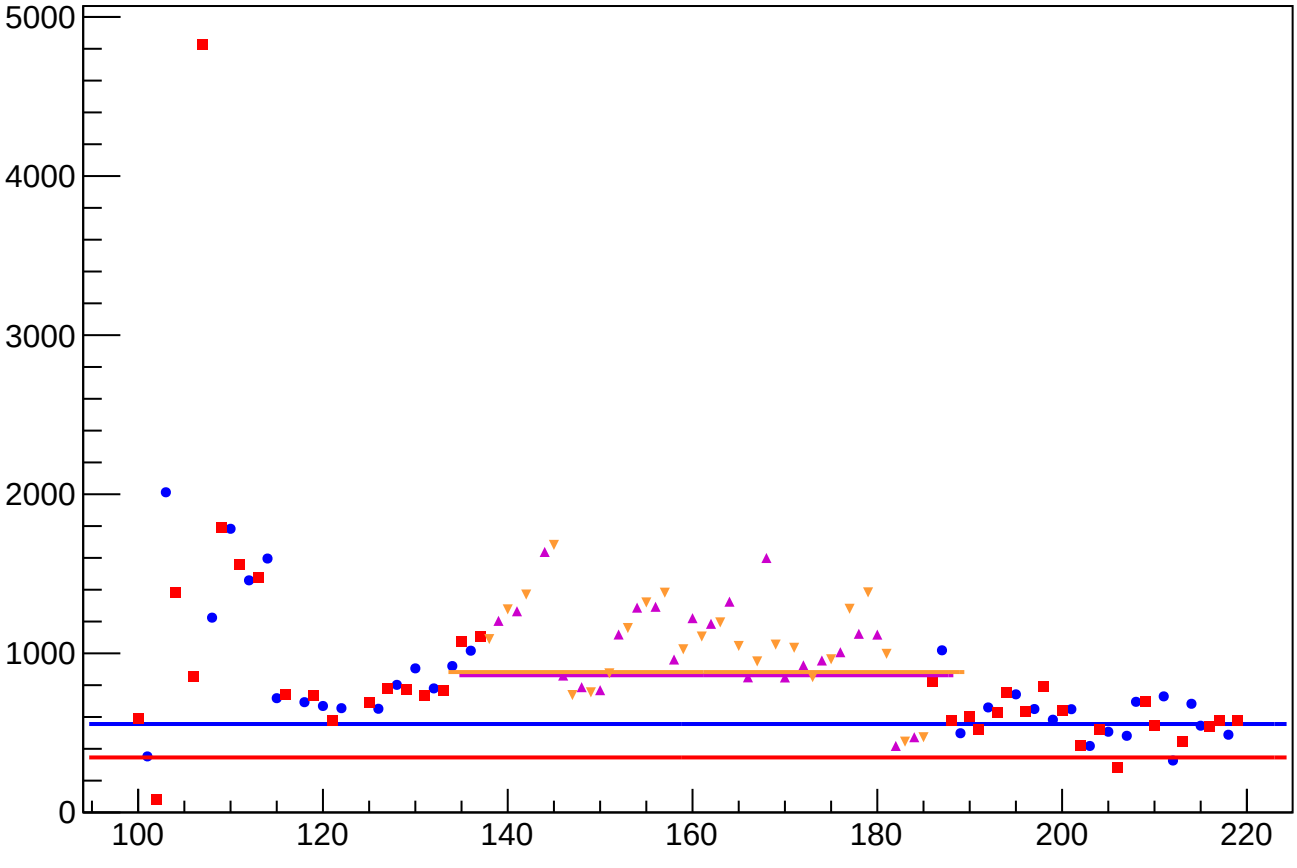
Right: 1490.484+/-0.164 χ^2/NDF: 411467.7/67

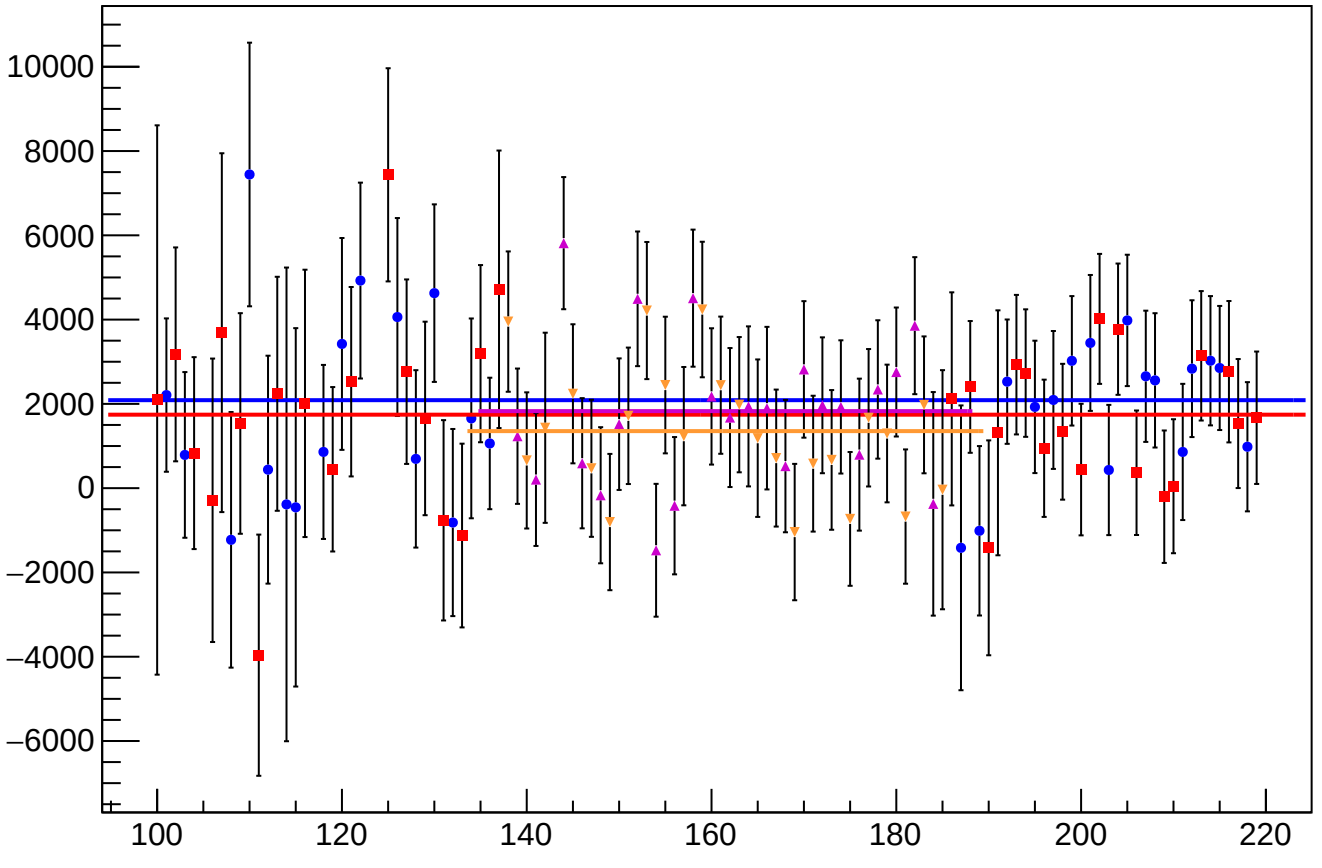
In: 1475.966+/-0.168 χ^2/NDF:161832.9/54

Out: 1485.460+/-0.166 χ^2/NDF:263217.0/59

All: 1480.764+/-0.118 χ^2/NDF: 426659.1/114


asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: -264.642+/-133.832 χ²/NDF: 45.9/31
Left Out: -251.589+/-218.368 χ²/NDF:32.7/23
Right Out: 163.108+/-100.692 χ²/NDF: 63.6/35
Left In: -119.845+/-215.975 χ²/NDF:12.8/22
Left: -184.992+/-153.556 χ²/NDF: 45.7/46
Right: 8.494+/-80.462 χ²/NDF: 116.0/67
In: -224.468+/-113.761 χ²/NDF:59.0/54
Out: 90.394+/-91.439 χ²/NDF:99.3/59
All: -33.187+/-71.270 χ²/NDF: 162.9/114


asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 555.880+/-0.095 χ²/NDF: 4531714.2/31
Left Out: 882.419+/-0.154 χ²/NDF:3901620.8/23
Right Out: 345.748+/-0.071 χ²/NDF: 16036320.5/35
Left In: 862.300+/-0.153 χ²/NDF:4369426.7/22
Left: 872.249+/-0.109 χ²/NDF: 8279630.1/46
Right: 421.702+/-0.057 χ²/NDF: 23716406.0/67
In: 640.895+/-0.080 χ²/NDF:11810005.7/54
Out: 439.849+/-0.065 χ²/NDF:29899870.5/59
All: 518.758+/-0.050 χ²/NDF: 45504661.2/11



Right In: 2087.933+/-331.693 χ^2/NDF: 21.8/31

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1743.877+/-328.841 χ^2/NDF: 27.4/35

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

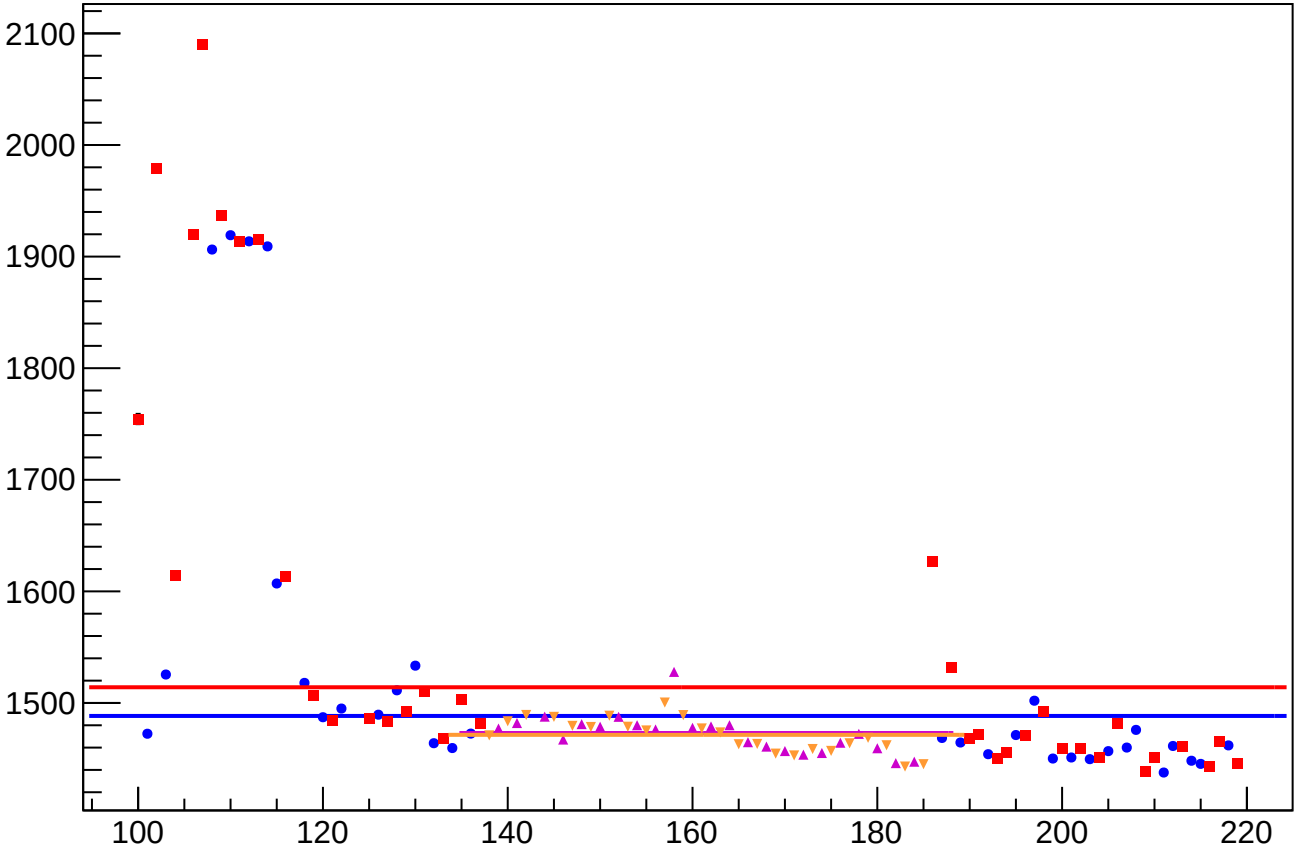
Right: 1914.420+/-233.528 χ^2/NDF: 49.7/67

In: 1962.802+/-238.759 χ^2/NDF:47.9/54

Out: 1556.187+/-236.898 χ^2/NDF:47.0/59

All: 1757.904+/-168.166 χ^2/NDF: 96.4/114

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1488.368+/-0.235 χ^2/NDF: 154495.7/31

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1514.067+/-0.233 χ^2/NDF: 318549.2/35

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

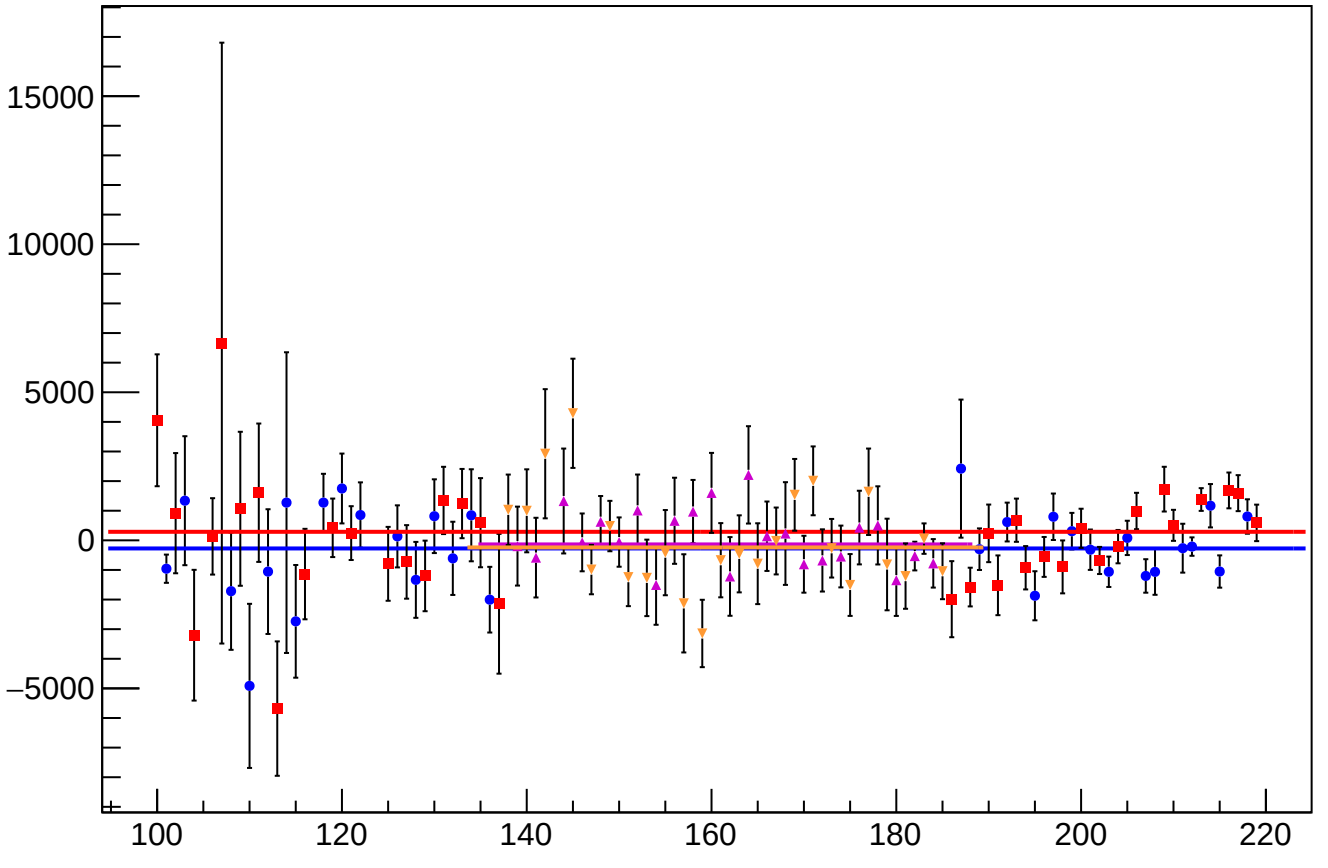
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1501.329+/-0.165 χ^2/NDF: 479099.7/67

In: 1480.986+/-0.169 χ^2/NDF:161302.7/54

Out: 1493.561+/-0.168 χ^2/NDF:338154.2/59

All: 1487.323+/-0.119 χ^2/NDF: 502252.5/114



Right In: -274.251+/-133.447 χ^2/NDF: 44.6/31

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 287.938+/-136.237 χ^2/NDF: 69.3/35

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

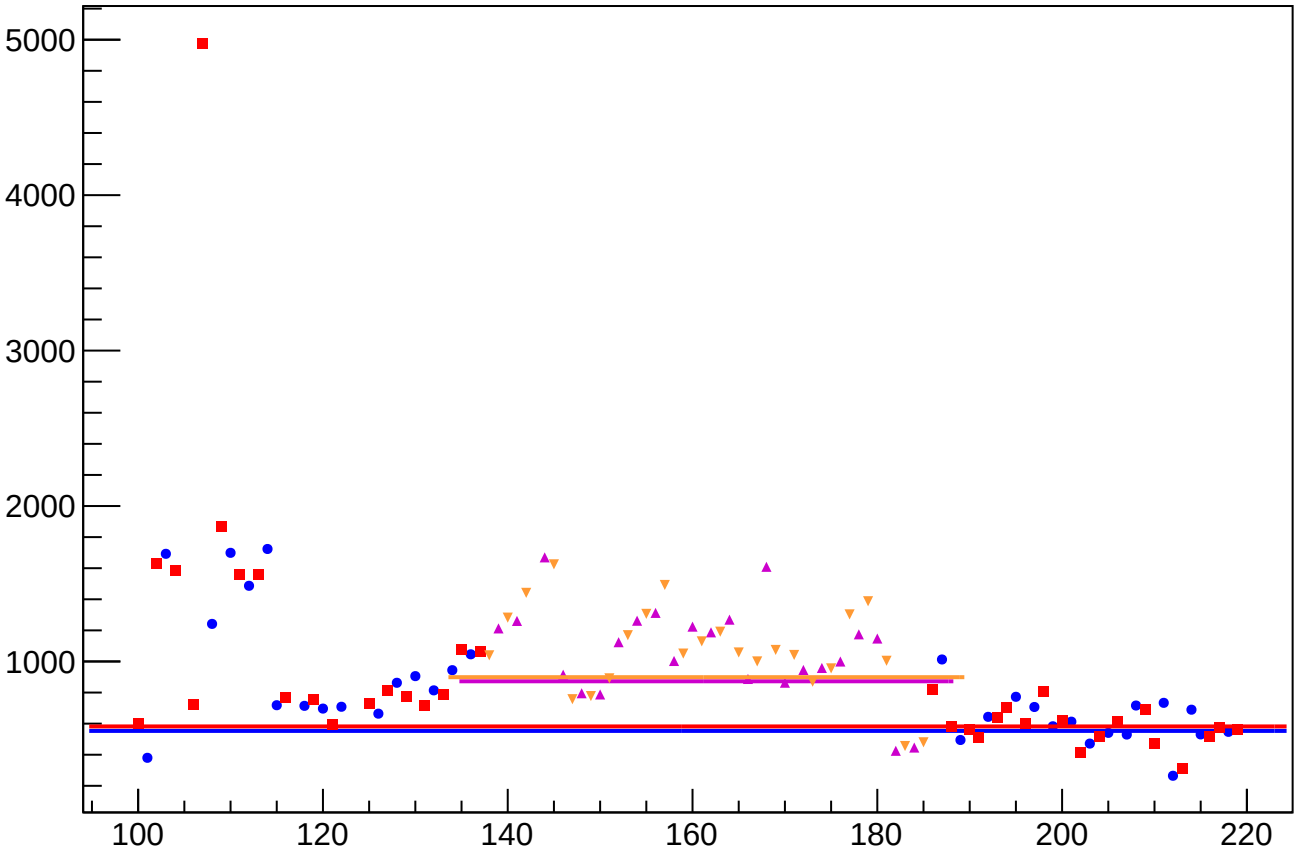
Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

Right: 1.028+/-95.332 χ^2/NDF: 122.5/67

In: -237.345+/-113.883 χ^2/NDF:57.8/54

Out: 143.234+/-116.085 χ^2/NDF:105.8/59

All: -50.699+/-81.295 χ^2/NDF: 169.1/114



Right In: 553.250+/-0.094 χ^2/NDF: 5345371.1/31

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 582.035+/-0.096 χ^2/NDF: 4876419.8/35

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

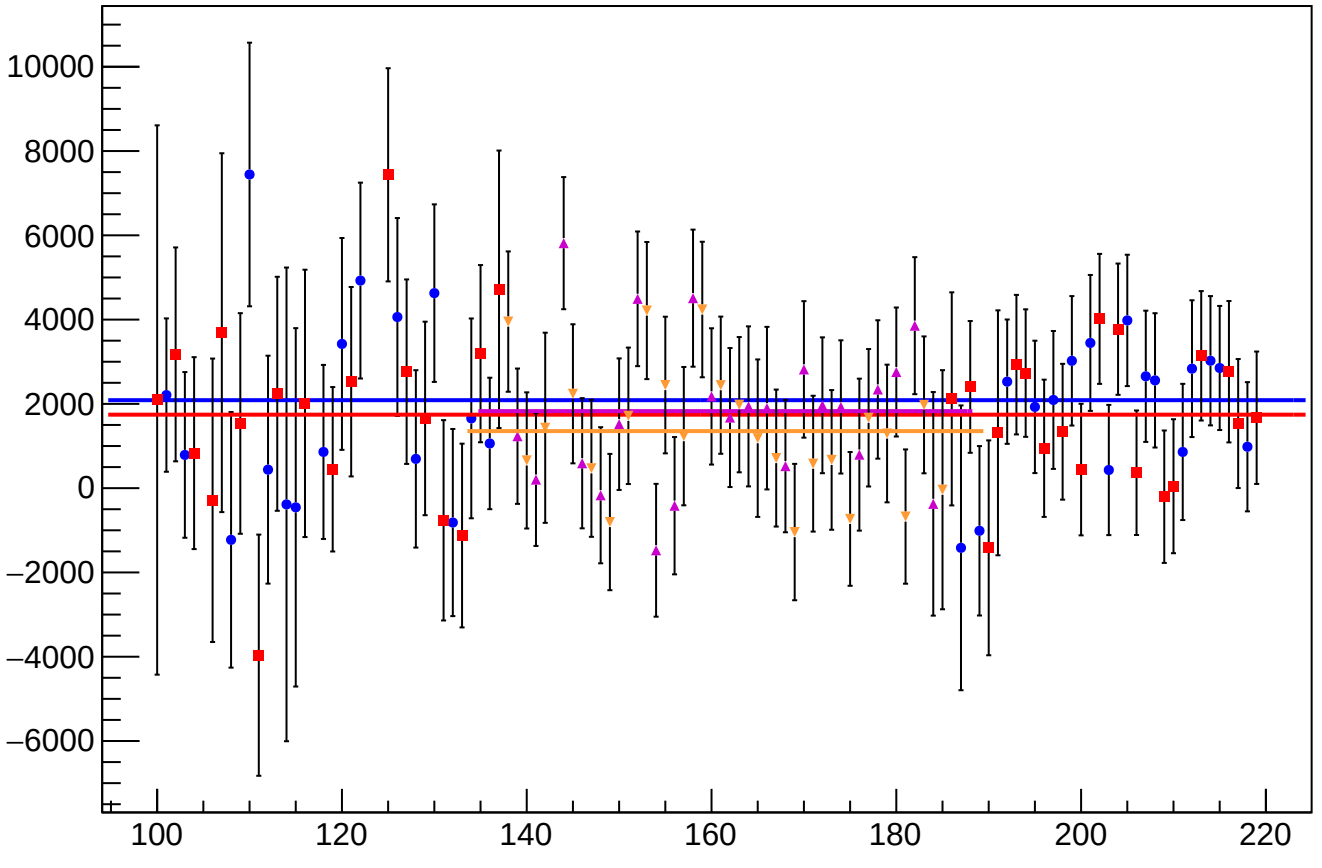
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 567.345+/-0.067 χ^2/NDF: 10267357.0/67

In: 639.986+/-0.081 χ^2/NDF:12890498.7/54

Out: 668.827+/-0.082 χ^2/NDF:11630928.9/59

All: 654.130+/-0.057 χ^2/NDF: 24584338.8/1



Right In: 2087.932+/-331.693 χ^2/NDF: 21.8/31

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1743.877+/-328.841 χ^2/NDF: 27.4/35

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

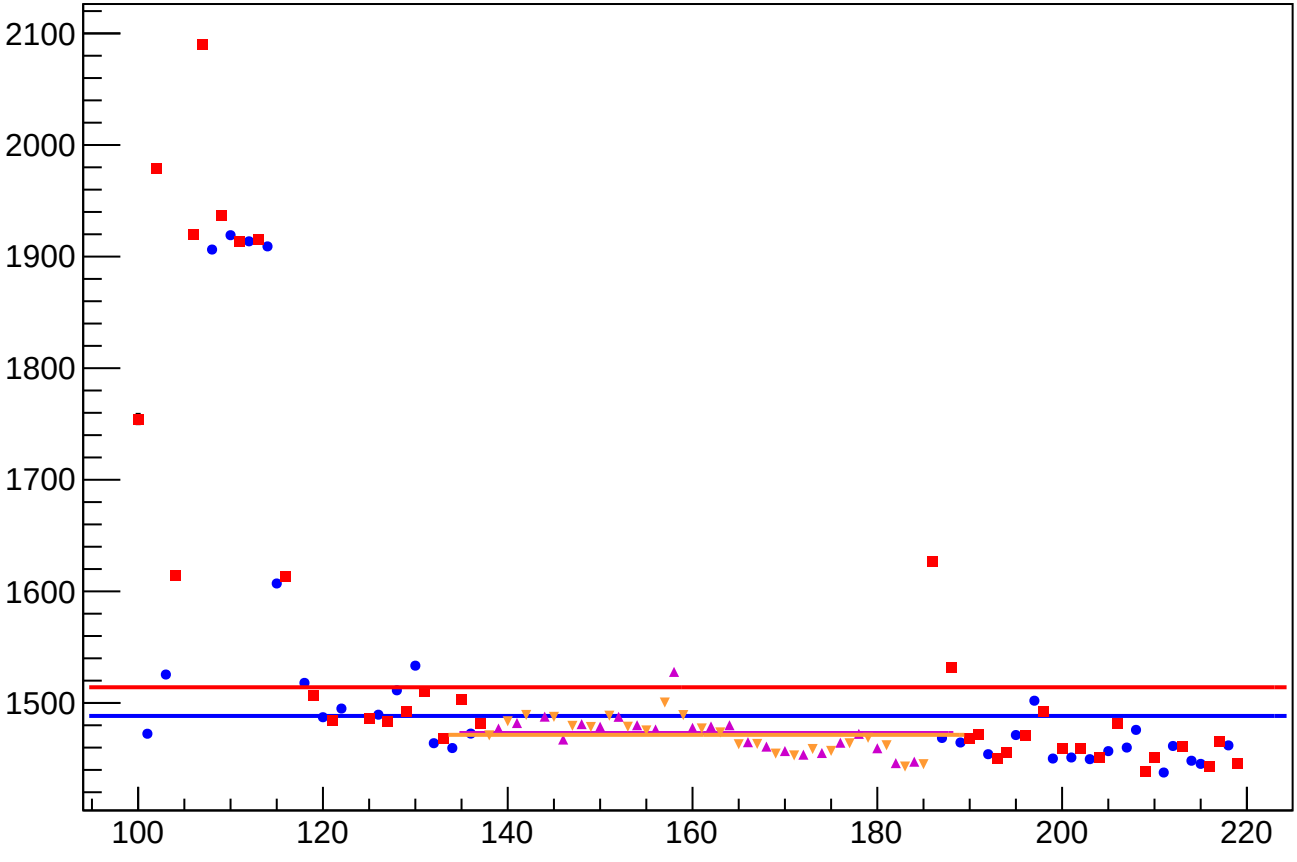
Right: 1914.419+/-233.528 χ^2/NDF: 49.7/67

In: 1962.802+/-238.759 χ^2/NDF:47.9/54

Out: 1556.186+/-236.898 χ^2/NDF:47.0/59

All: 1757.903+/-168.166 χ^2/NDF: 96.4/114

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1488.368+/-0.235 χ^2/NDF: 154495.6/31

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1514.067+/-0.233 χ^2/NDF: 318548.7/35

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

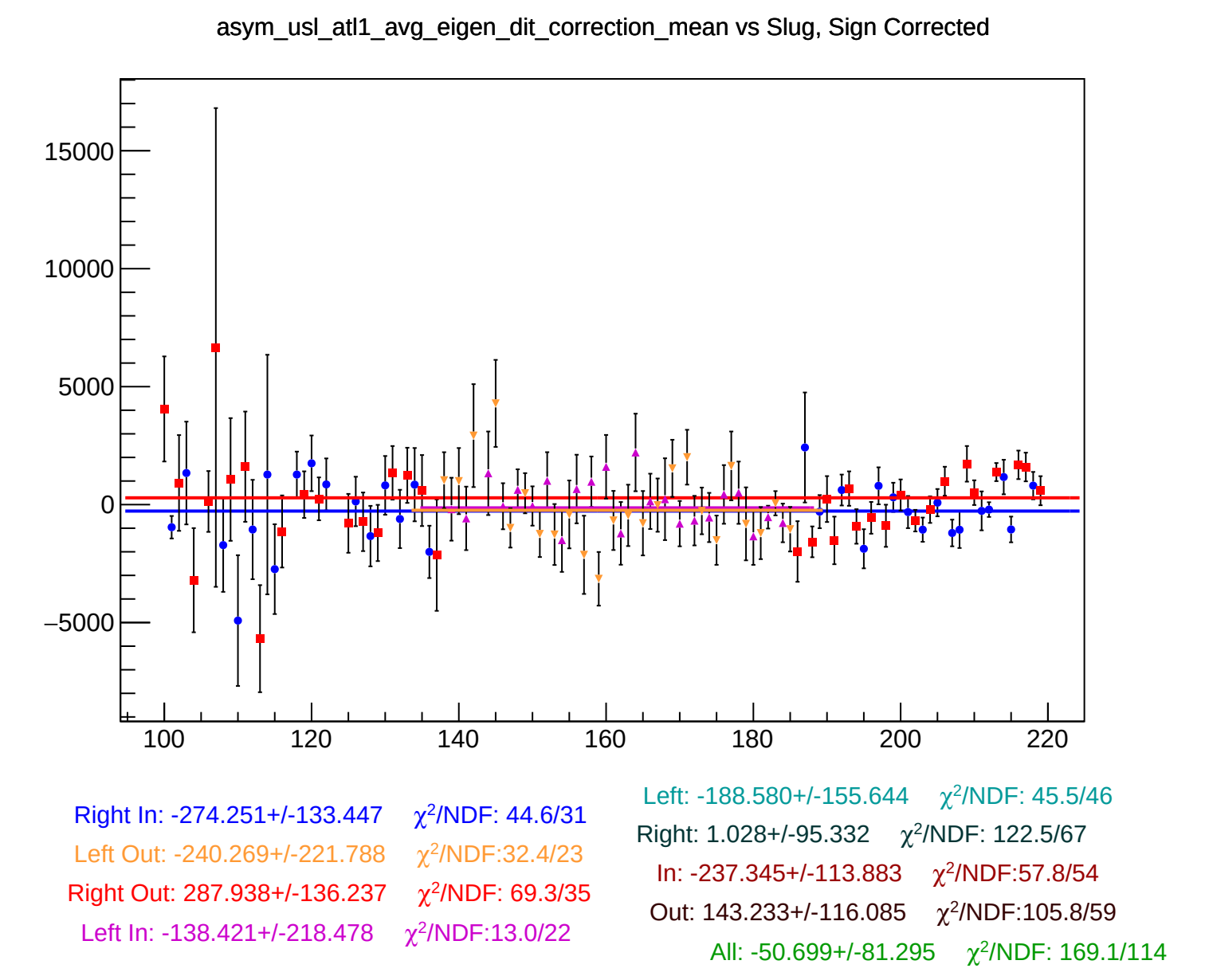
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1501.328+/-0.165 χ^2/NDF: 479099.1/67

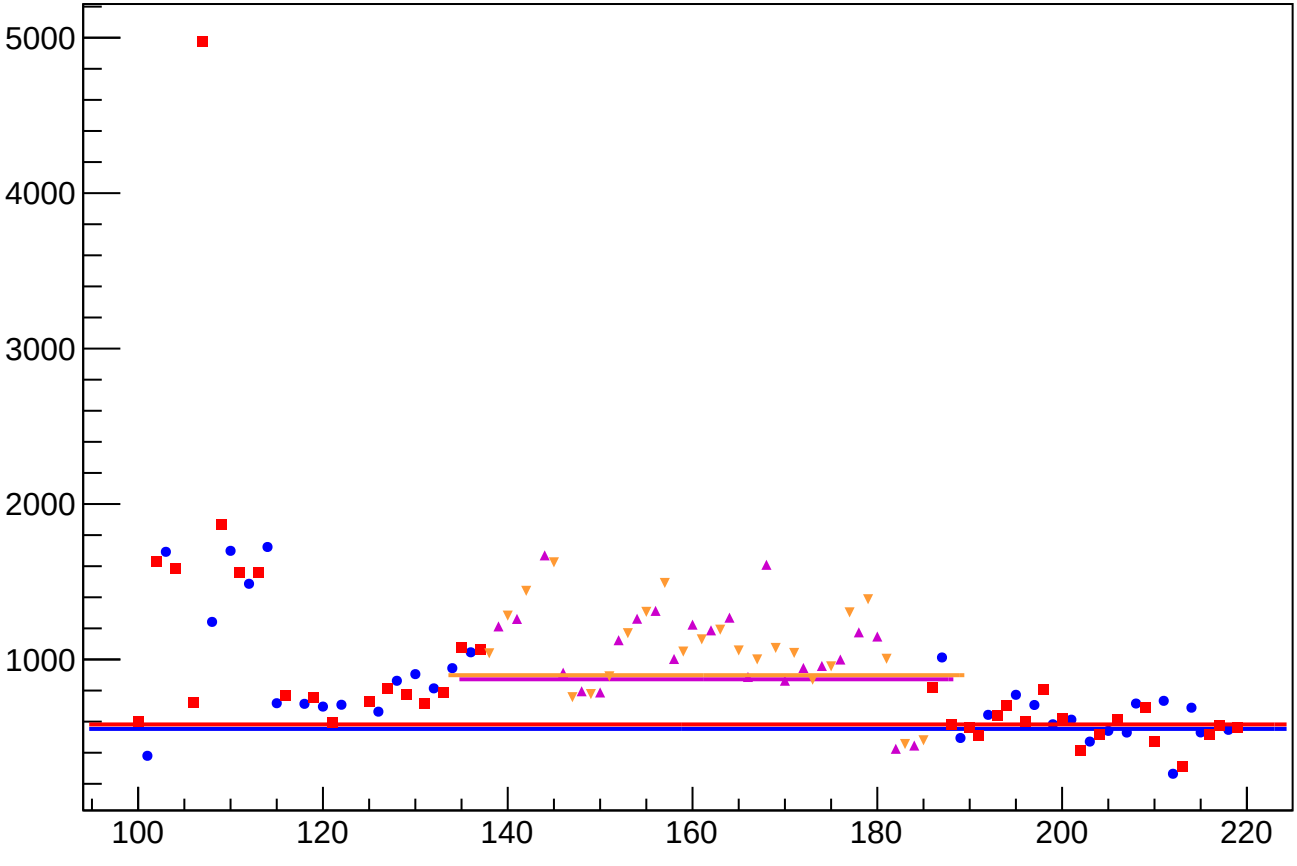
In: 1480.986+/-0.169 χ^2/NDF:161302.5/54

Out: 1493.561+/-0.168 χ^2/NDF:338153.7/59

All: 1487.323+/-0.119 χ^2/NDF: 502251.8/114


asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: -274.251+/-133.447 χ²/NDF: 44.6/31
Left Out: -240.269+/-221.788 χ²/NDF:32.4/23
Right Out: 287.938+/-136.237 χ²/NDF: 69.3/35
Left In: -138.421+/-218.478 χ²/NDF:13.0/22
Left: -188.580+/-155.644 χ²/NDF: 45.5/46
Right: 1.028+/-95.332 χ²/NDF: 122.5/67
In: -237.345+/-113.883 χ²/NDF:57.8/54
Out: 143.233+/-116.085 χ²/NDF:105.8/59
All: -50.699+/-81.295 χ²/NDF: 169.1/114

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 553.250+/-0.094 χ^2/NDF: 5345367.1/31

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 582.035+/-0.096 χ^2/NDF: 4876416.9/35

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

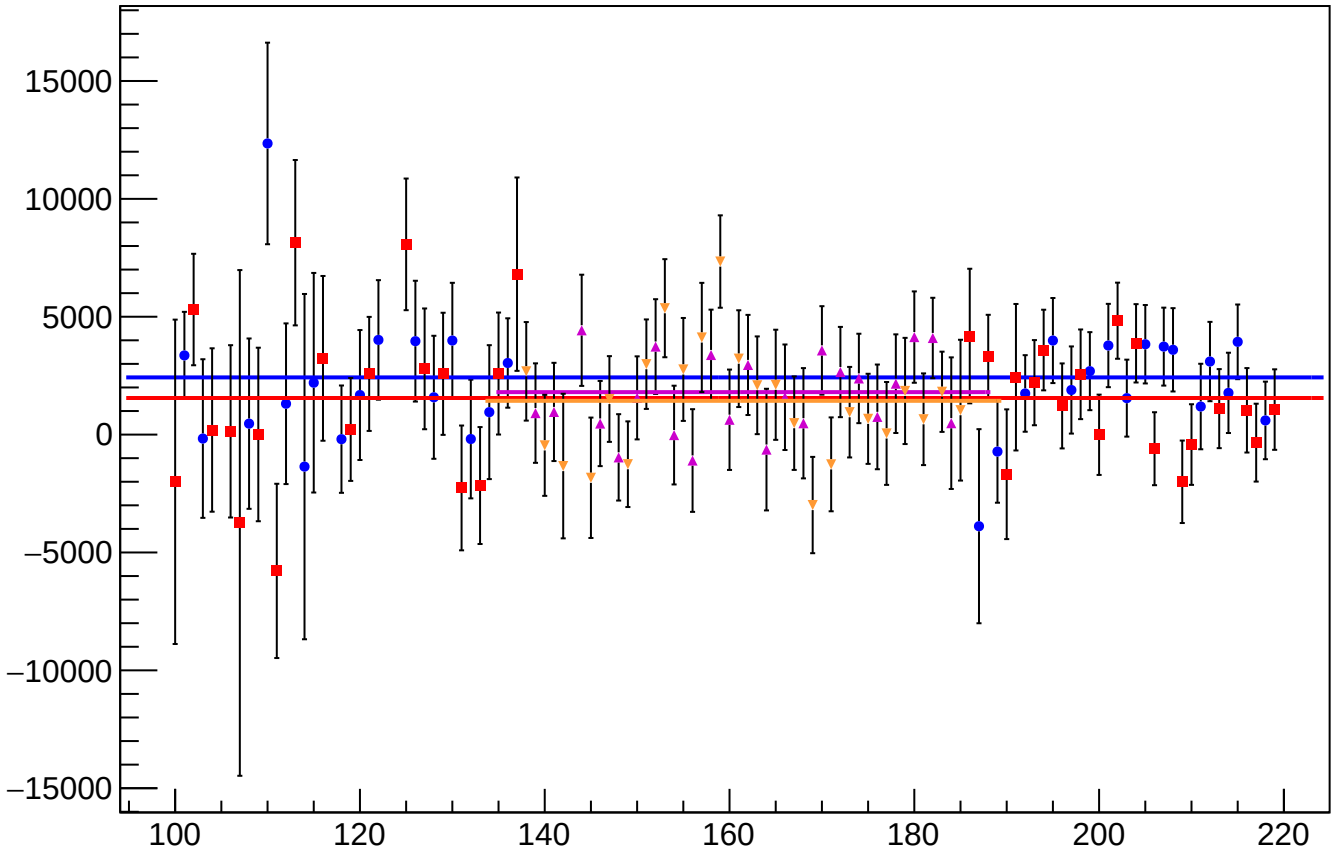
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 567.345+/-0.067 χ^2/NDF: 10267350.5/67

In: 639.986+/-0.081 χ^2/NDF:12890510.5/54

Out: 668.828+/-0.082 χ^2/NDF:11630939.3/59

All: 654.131+/-0.057 χ^2/NDF: 24584361.5/11



Right In: 2426.296+/-370.169 χ^2/NDF: 22.1/31

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 1552.662+/-365.991 χ^2/NDF: 44.7/35

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

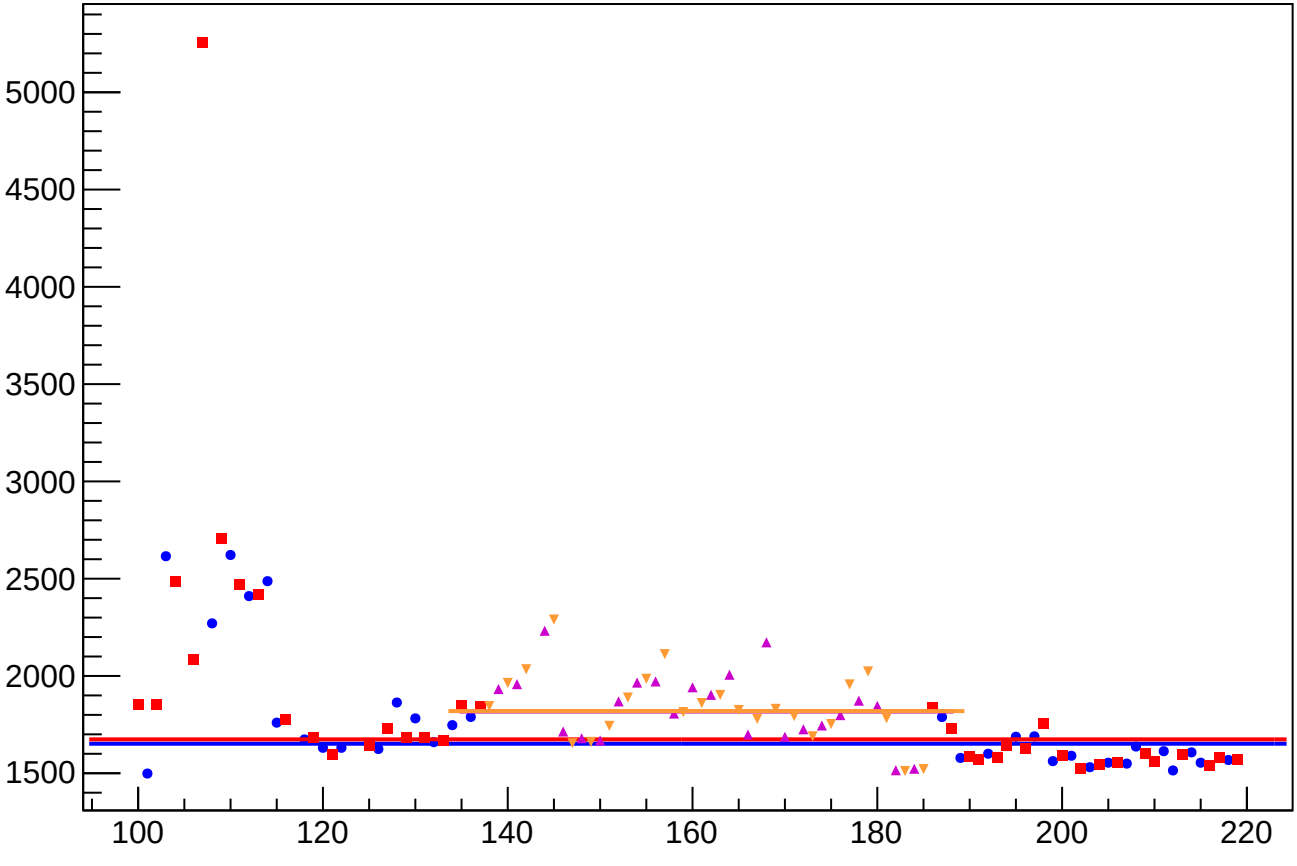
Right: 1984.521+/-260.259 χ^2/NDF: 69.6/67

In: 2157.862+/-279.554 χ^2/NDF:38.6/54

Out: 1501.769+/-277.182 χ^2/NDF:74.2/59

All: 1827.020+/-196.830 χ^2/NDF: 115.5/114

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1651.716+/-0.262 χ^2/NDF: 568390.5/31

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1674.236+/-0.259 χ^2/NDF: 839513.5/35

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

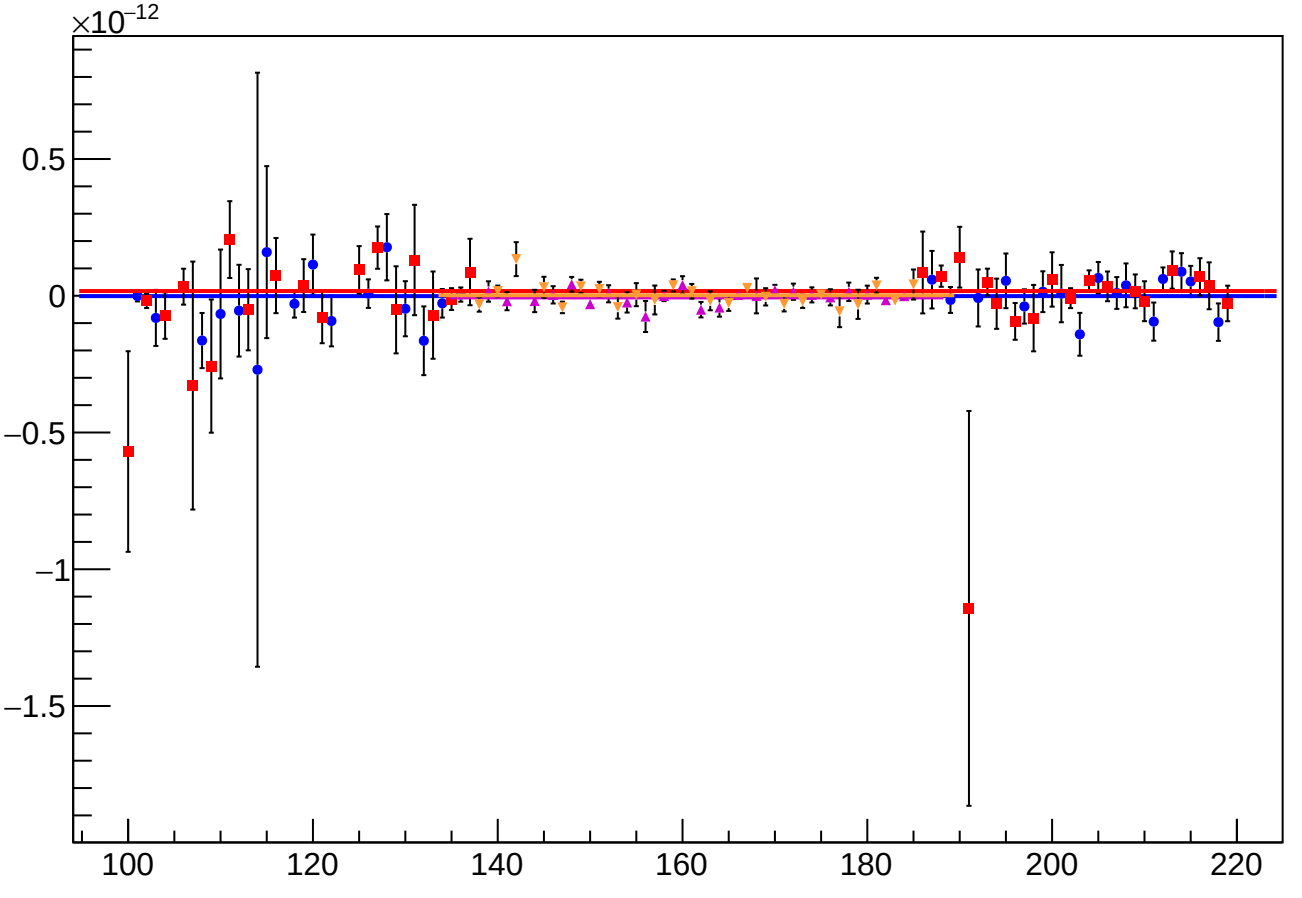
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1663.104+/-0.184 χ^2/NDF: 1411647.2/67

In: 1722.793+/-0.198 χ^2/NDF:1047112.1/54

Out: 1736.145+/-0.196 χ^2/NDF:1268729.4/59

All: 1729.526+/-0.139 χ^2/NDF: 2318142.2/11



Right In: -0.000+/-0.000 χ^2/NDF: 24.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/35

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

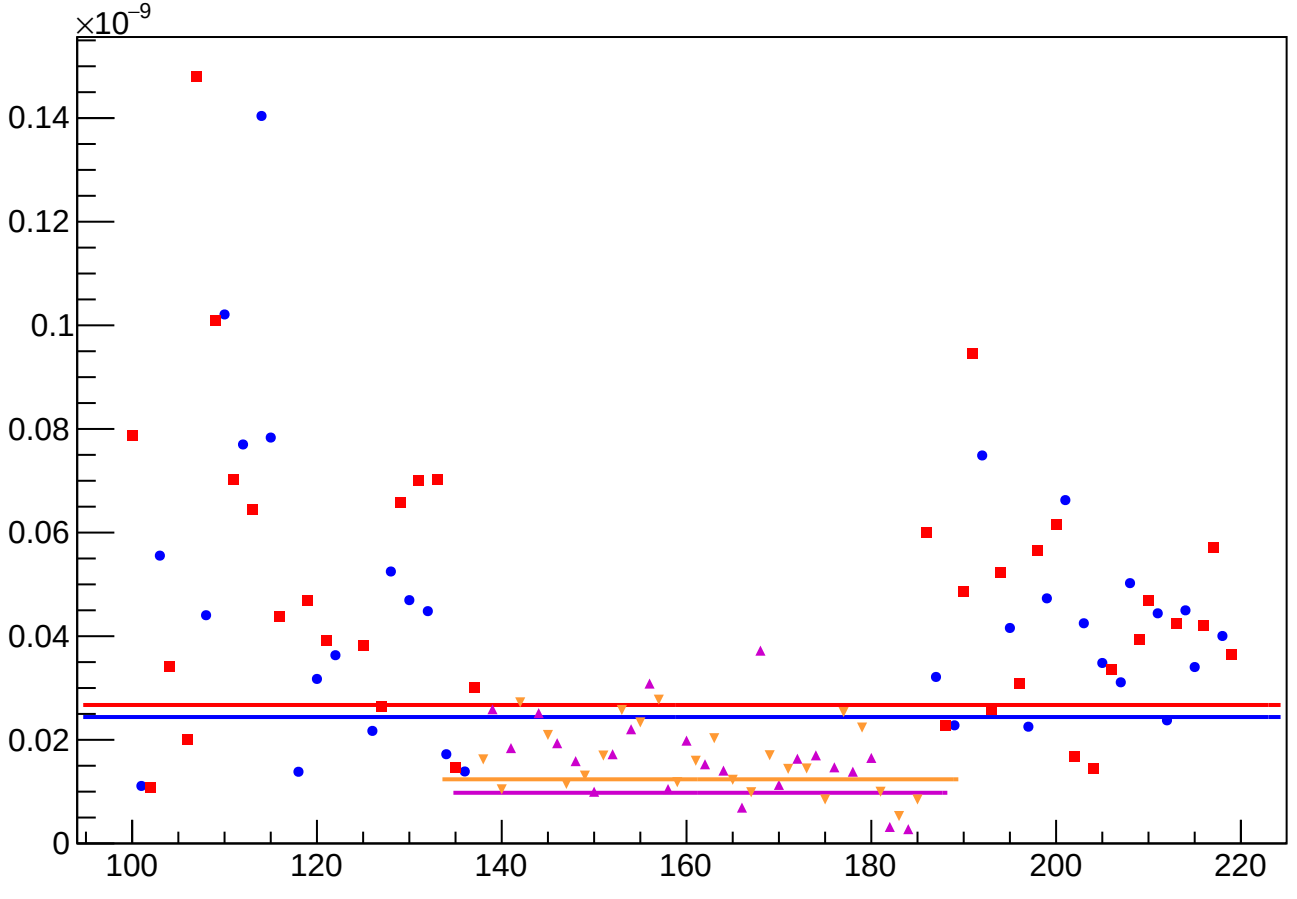
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 58.6/67

In: -0.000+/-0.000 χ^2/NDF:43.1/54

Out: 0.000+/-0.000 χ^2/NDF:63.0/59

All: -0.000+/-0.000 χ^2/NDF: 108.6/114



Right In: 0.000+/-0.000 χ^2/NDF: 4370883.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4136110.1/35

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

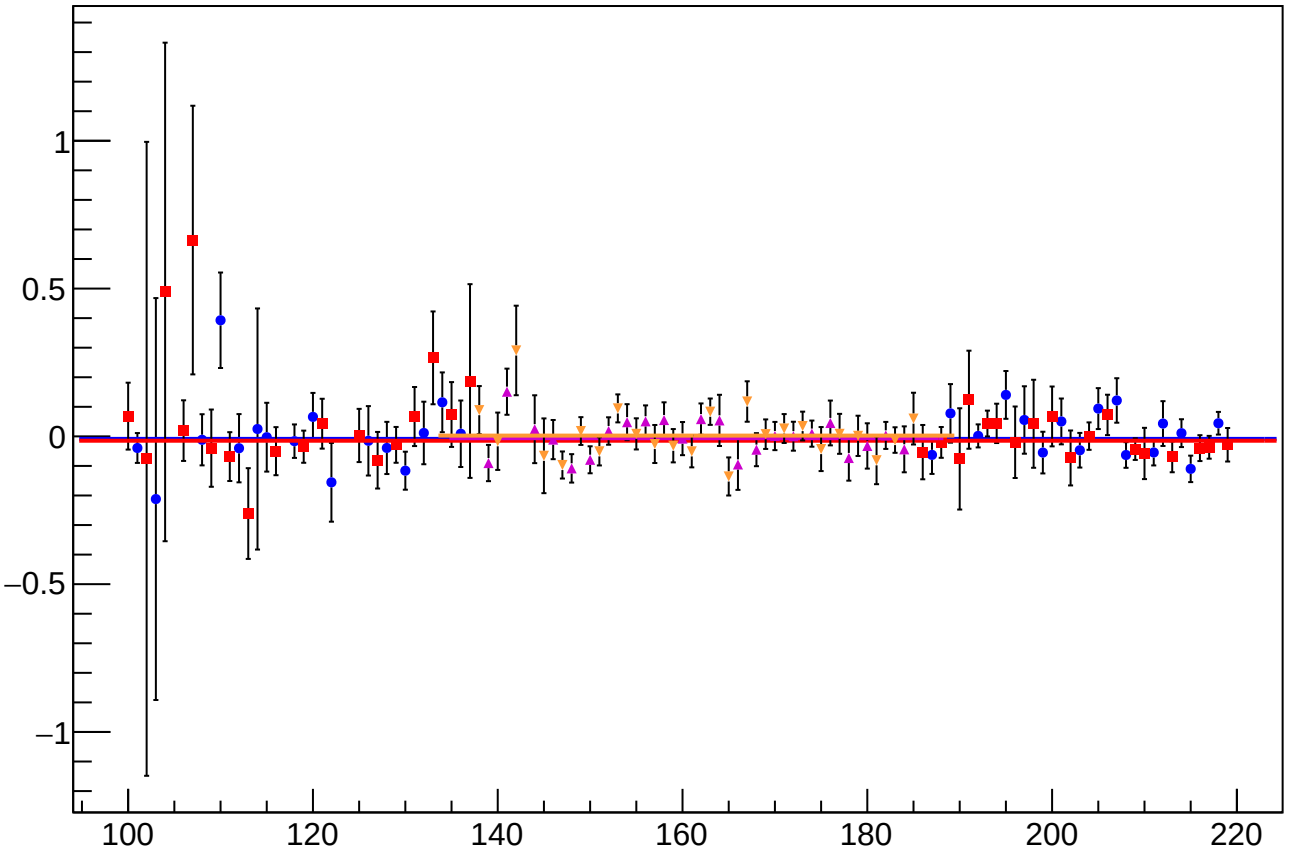
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 8554498.6/67

In: 0.000+/-0.000 χ^2/NDF:12234530.7/54

Out: 0.000+/-0.000 χ^2/NDF:8776526.8/59

All: 0.000+/-0.000 χ^2/NDF: 21397892.5/114



Right In: -0.009+/-0.012 χ^2/NDF: 35.5/31

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.015+/-0.012 χ^2/NDF: 21.7/35

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

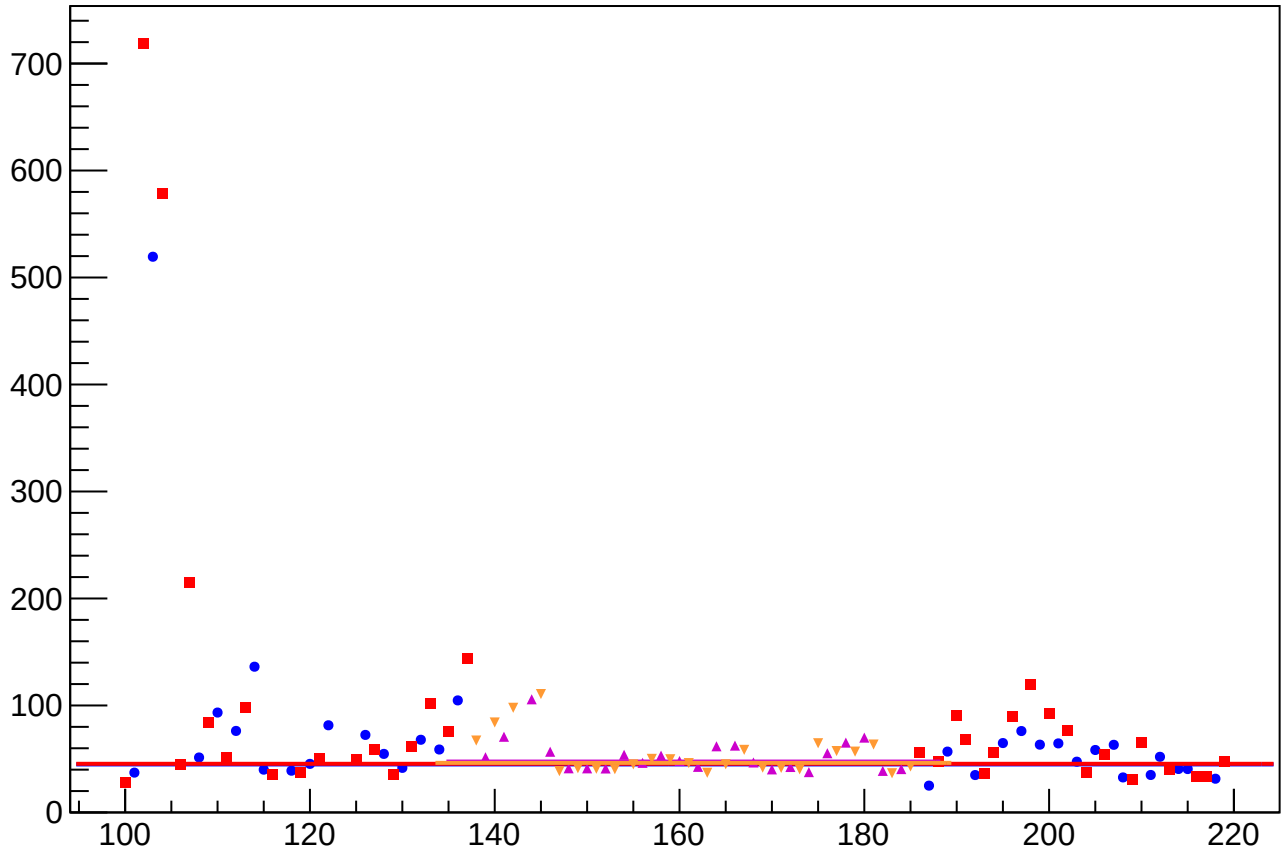
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.012+/-0.008 χ^2/NDF: 57.3/67

In: -0.007+/-0.008 χ^2/NDF:57.1/54

Out: -0.006+/-0.008 χ^2/NDF:52.6/59

All: -0.007+/-0.006 χ^2/NDF: 109.8/114



Right In: 44.872+/-0.008 χ^2/NDF: 4113004.8/31

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 45.477+/-0.009 χ^2/NDF: 5801053.2/35

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

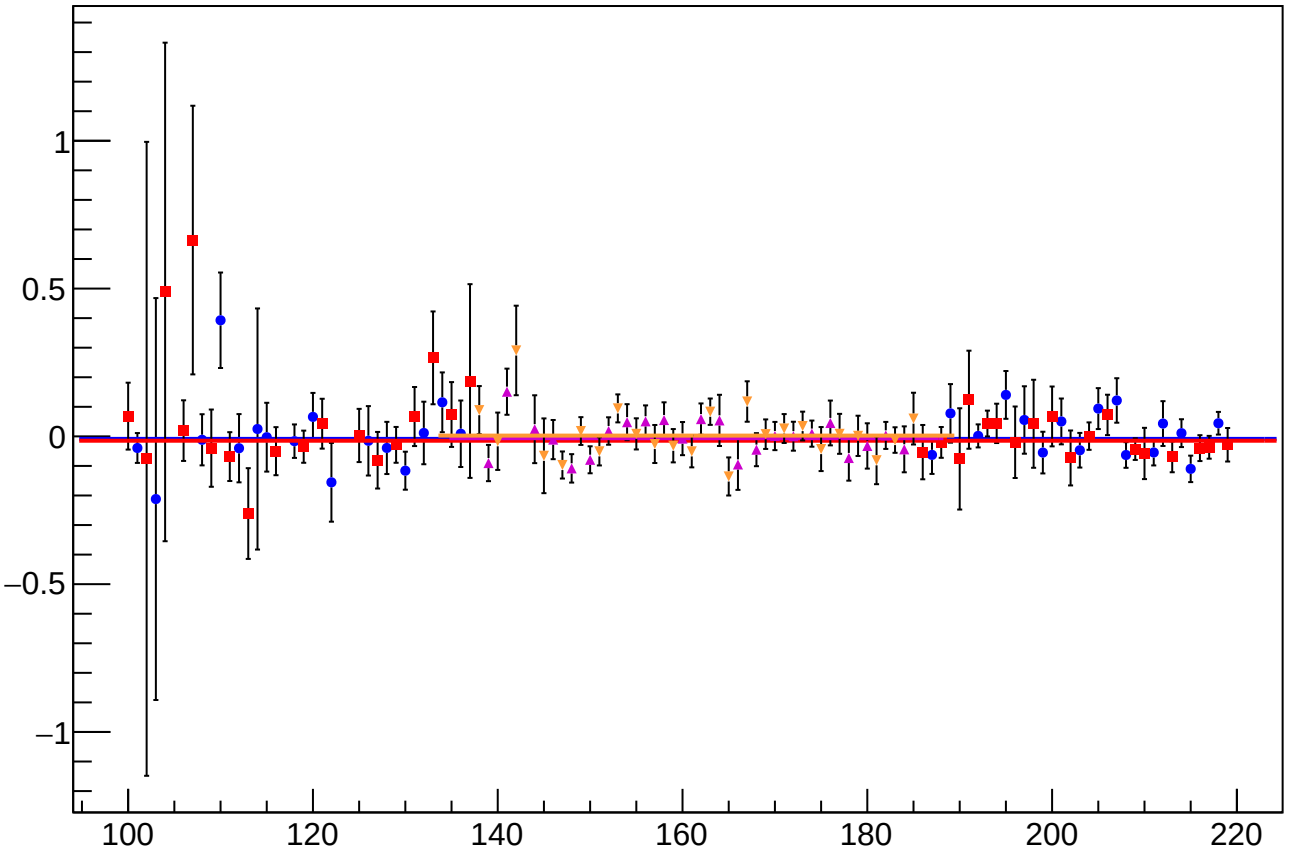
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 45.170+/-0.006 χ^2/NDF: 9916604.7/67

In: 46.196+/-0.006 χ^2/NDF:5739852.7/54

Out: 45.922+/-0.006 χ^2/NDF:7774157.2/59

All: 46.058+/-0.004 χ^2/NDF: 13515053.9/114



Right In: -0.009+/-0.012 χ^2/NDF: 35.5/31

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.015+/-0.012 χ^2/NDF: 21.7/35

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

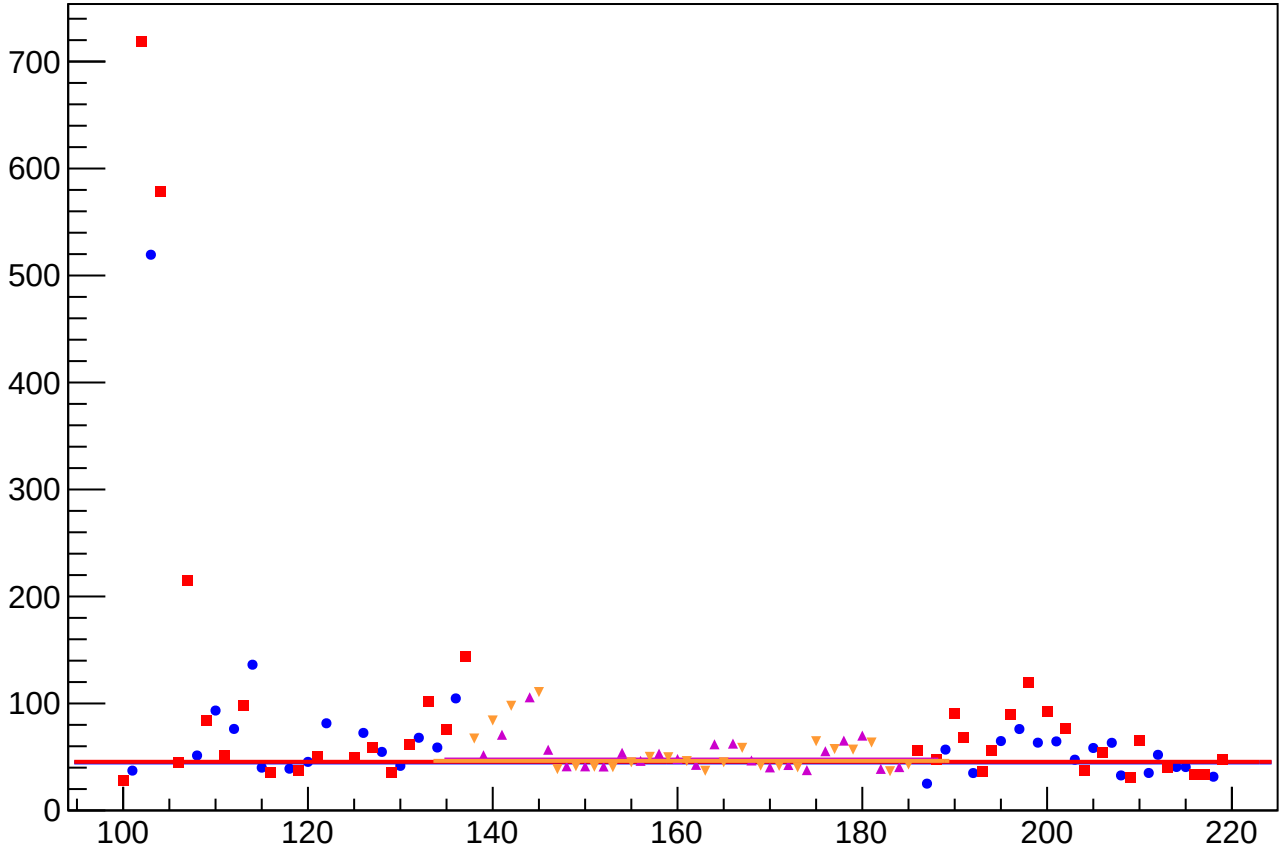
Right: -0.012+/-0.008 χ^2/NDF: 57.3/67

In: -0.007+/-0.008 χ^2/NDF:57.1/54

Out: -0.006+/-0.008 χ^2/NDF:52.6/59

All: -0.007+/-0.006 χ^2/NDF: 109.8/114

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.872+/-0.008 χ^2/NDF: 4113004.8/31

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 45.477+/-0.009 χ^2/NDF: 5801053.2/35

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

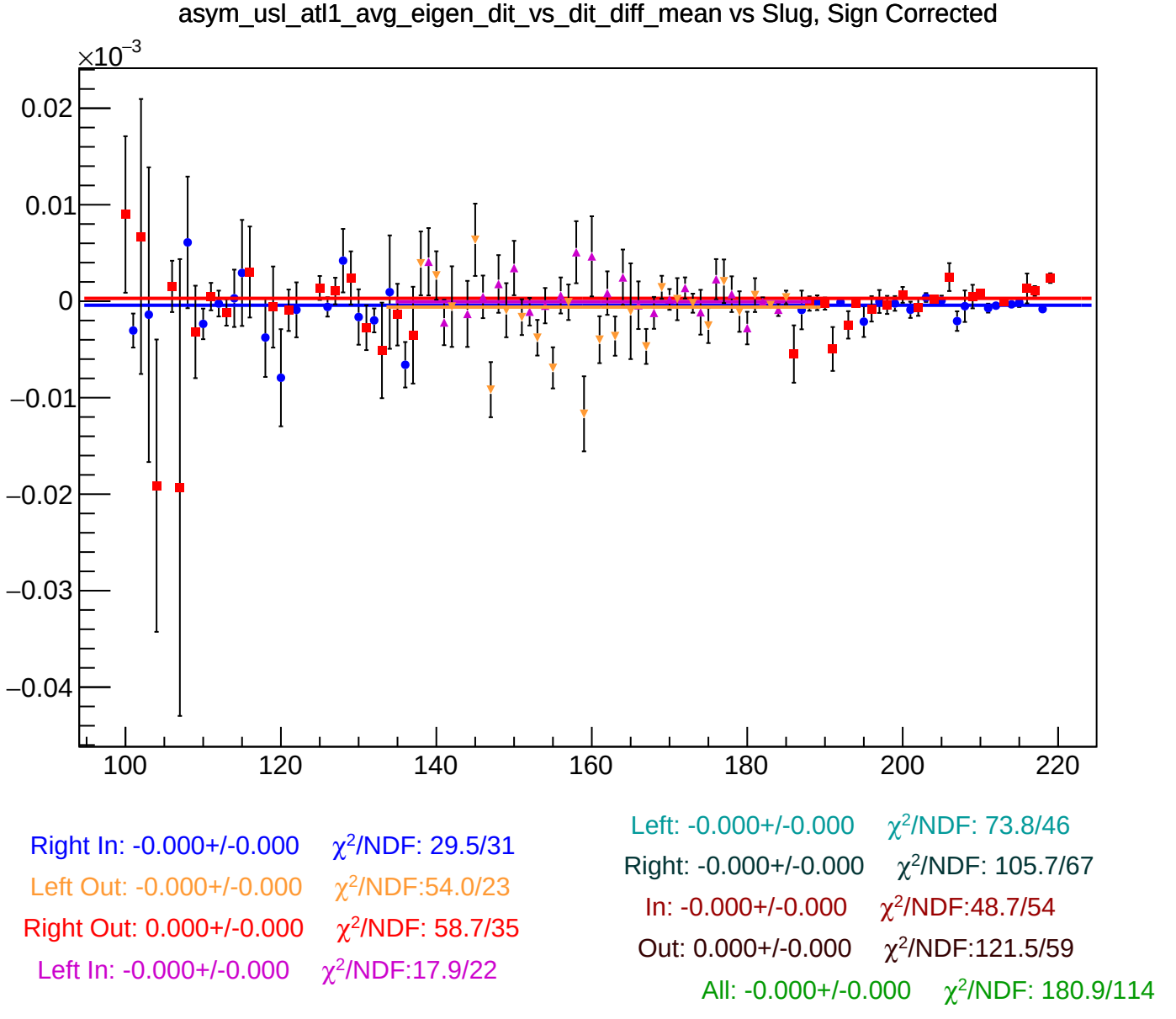
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 45.170+/-0.006 χ^2/NDF: 9916604.7/67

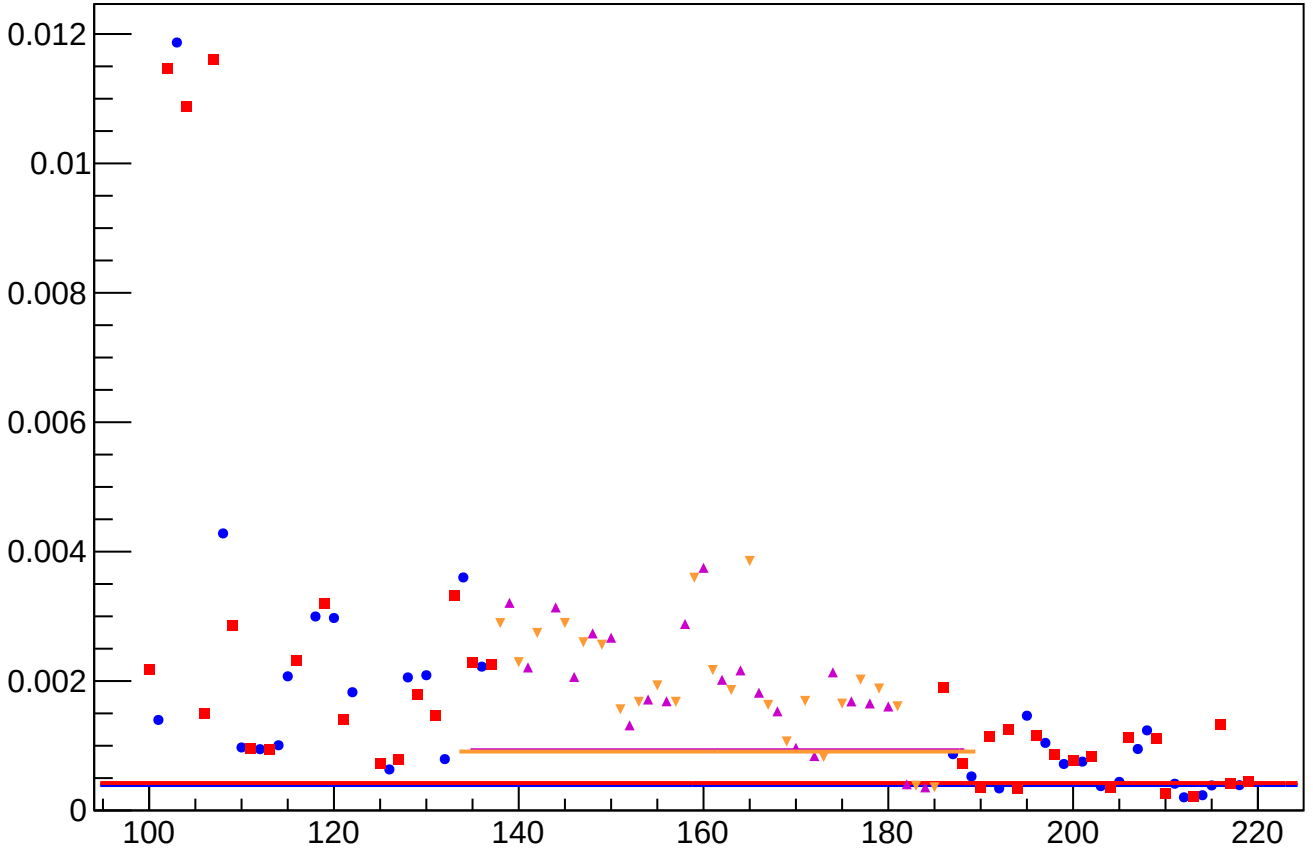
In: 46.196+/-0.006 χ^2/NDF:5739852.7/54

Out: 45.922+/-0.006 χ^2/NDF:7774157.2/59

All: 46.058+/-0.004 χ^2/NDF: 13515053.9/114


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 29.5/31
Left Out: -0.000+/-0.000 χ²/NDF:54.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 58.7/35
Left In: -0.000+/-0.000 χ²/NDF:17.9/22
Left: -0.000+/-0.000 χ²/NDF: 73.8/46
Right: -0.000+/-0.000 χ²/NDF: 105.7/67
In: -0.000+/-0.000 χ²/NDF:48.7/54
Out: 0.000+/-0.000 χ²/NDF:121.5/59
All: -0.000+/-0.000 χ²/NDF: 180.9/114

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14181947.2/31

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 16248142.1/35

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

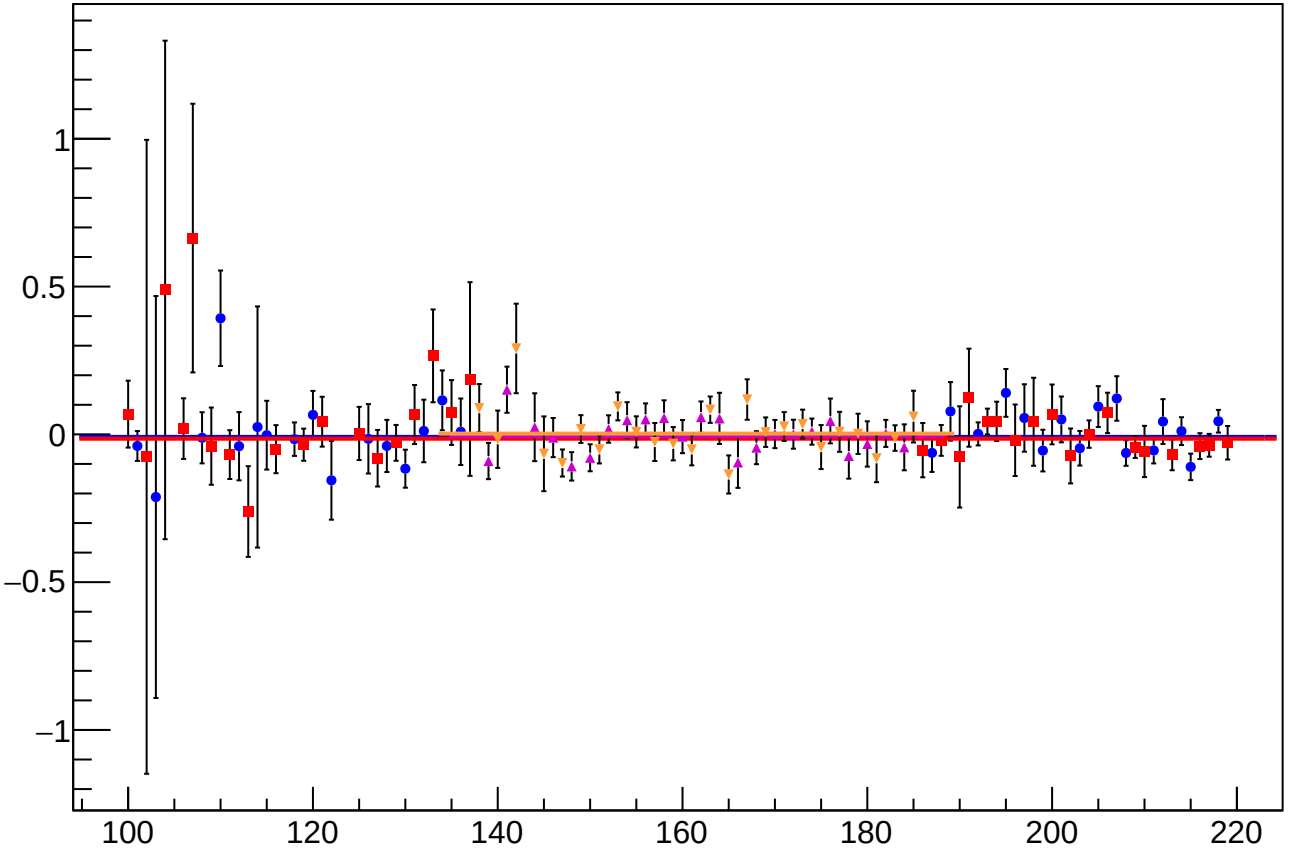
Right: 0.000+/-0.000 χ^2/NDF: 30494933.1/67

In: 0.000+/-0.000 χ^2/NDF:34088023.3/54

Out: 0.001+/-0.000 χ^2/NDF:35503163.7/59

All: 0.000+/-0.000 χ^2/NDF: 69678174.9/114

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.012 χ^2/NDF: 35.5/31

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.015+/-0.012 χ^2/NDF: 21.7/35

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

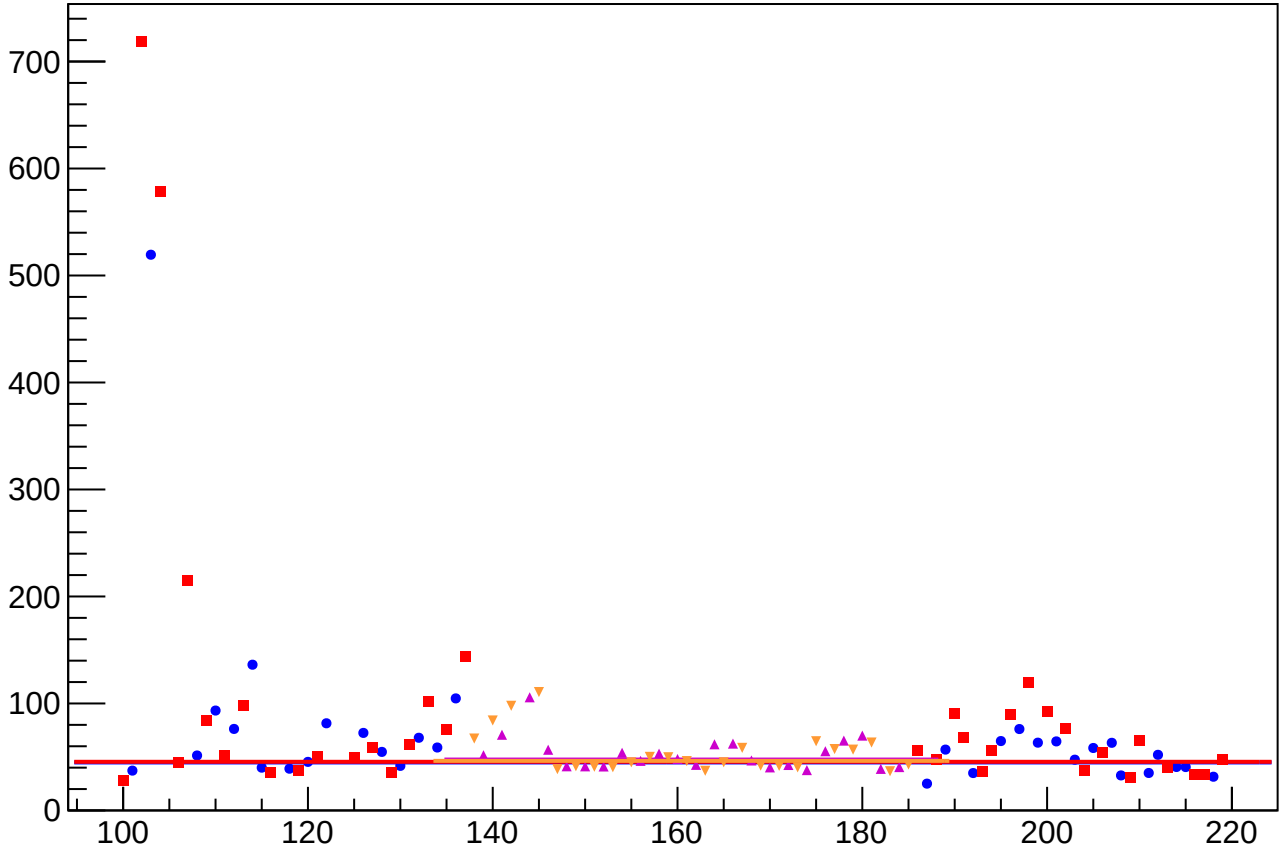
Right: -0.012+/-0.008 χ^2/NDF: 57.3/67

In: -0.007+/-0.008 χ^2/NDF:57.1/54

Out: -0.006+/-0.008 χ^2/NDF:52.6/59

All: -0.007+/-0.006 χ^2/NDF: 109.8/114

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.872+/-0.008 χ^2/NDF: 4113025.7/31

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 45.477+/-0.009 χ^2/NDF: 5801056.9/35

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

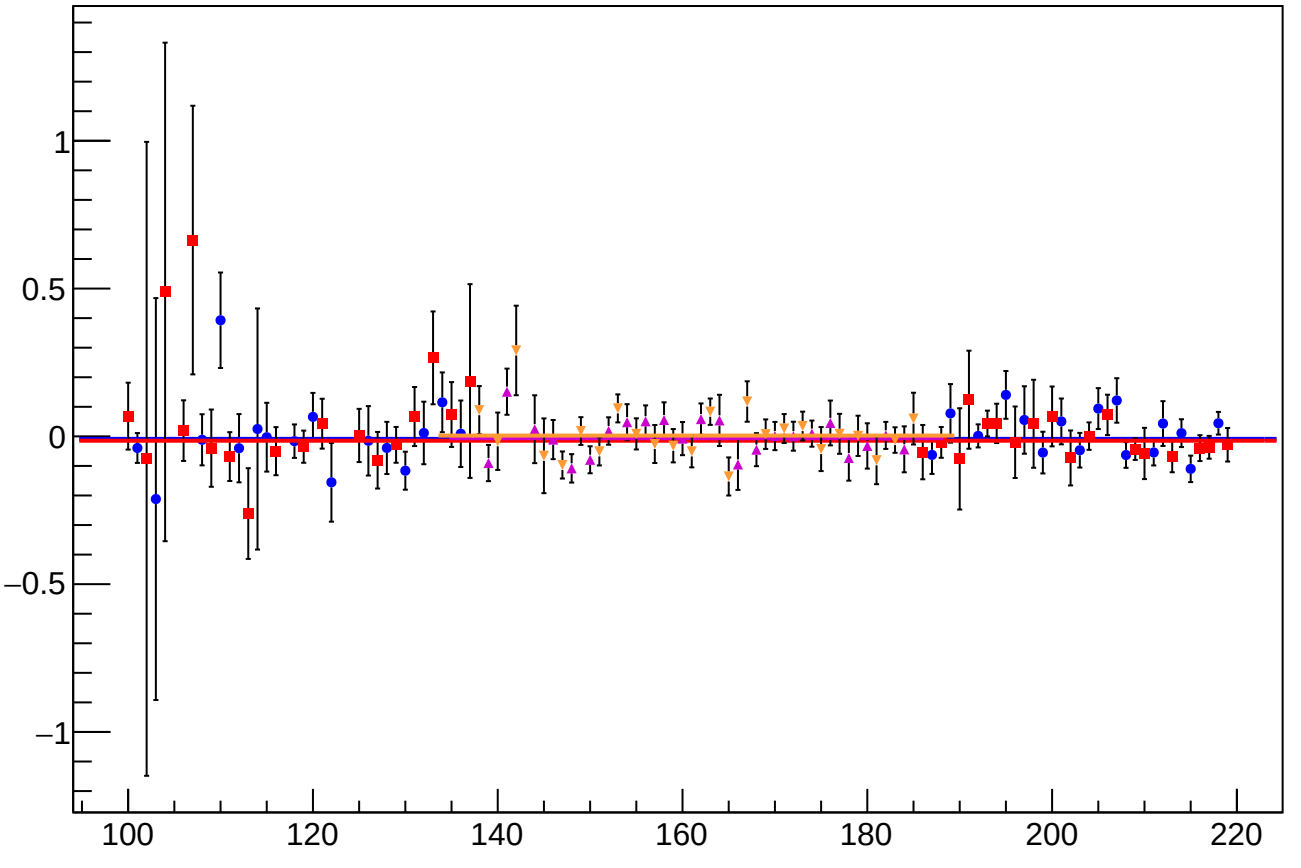
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 45.170+/-0.006 χ^2/NDF: 9916627.8/67

In: 46.196+/-0.006 χ^2/NDF:5739886.2/54

Out: 45.922+/-0.006 χ^2/NDF:7774153.7/59

All: 46.058+/-0.004 χ^2/NDF: 13515084.2/114



Right In: -0.009+/-0.012 χ^2/NDF: 35.5/31

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.015+/-0.012 χ^2/NDF: 21.7/35

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

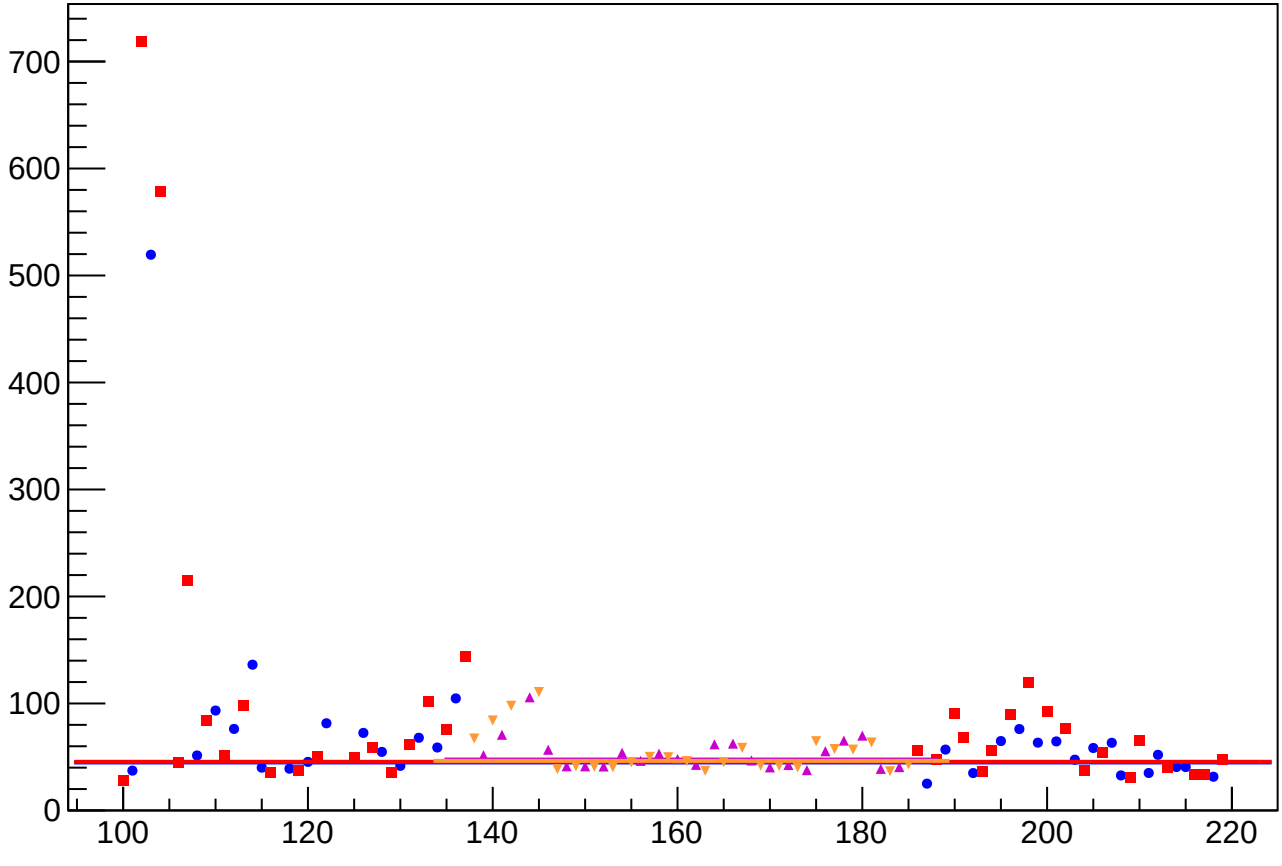
Right: -0.012+/-0.008 χ^2/NDF: 57.3/67

In: -0.007+/-0.008 χ^2/NDF:57.1/54

Out: -0.006+/-0.008 χ^2/NDF:52.6/59

All: -0.007+/-0.006 χ^2/NDF: 109.8/114

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.872+/-0.008 χ^2/NDF: 4113025.7/31

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 45.477+/-0.009 χ^2/NDF: 5801056.9/35

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

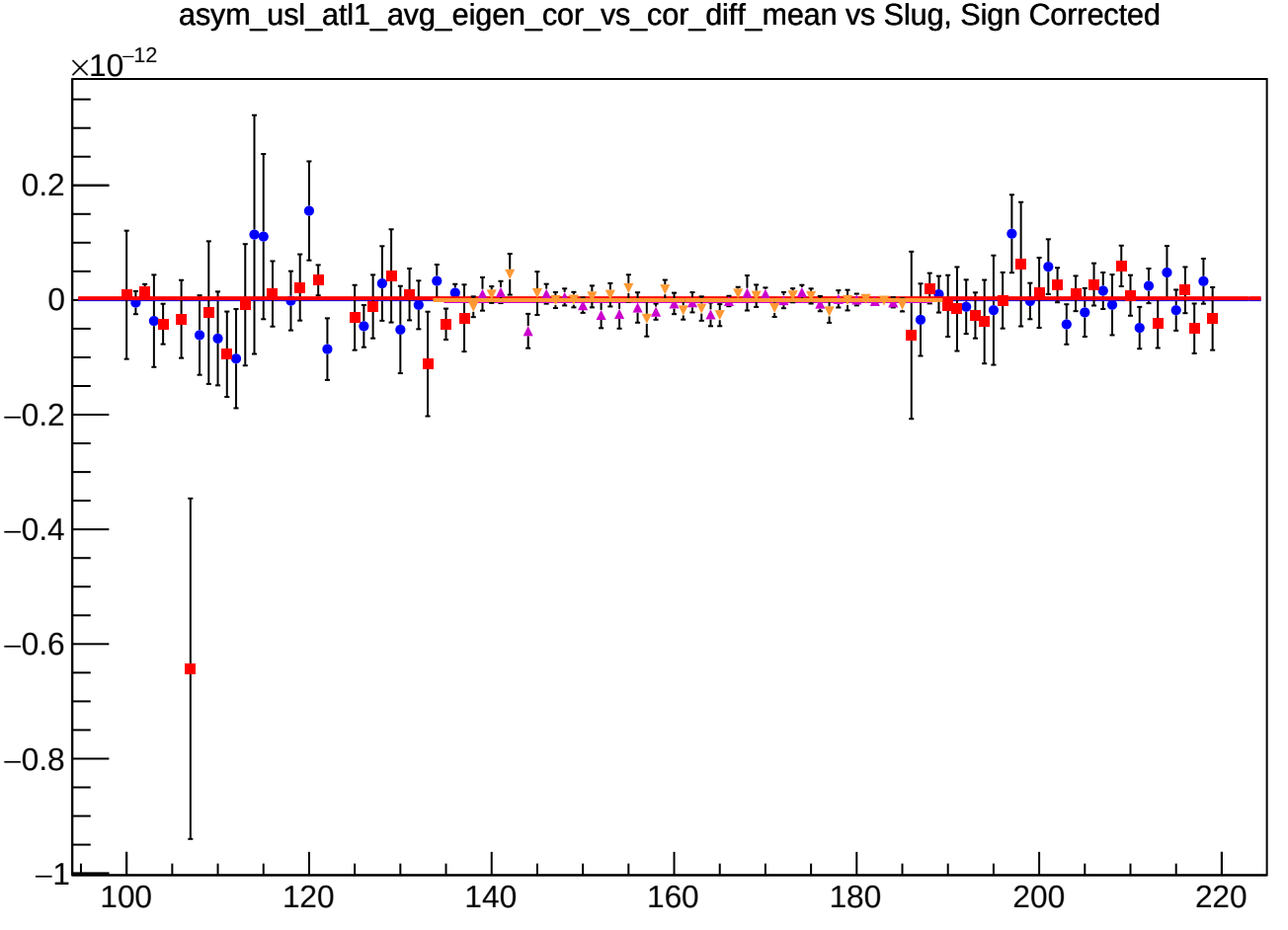
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 45.170+/-0.006 χ^2/NDF: 9916627.8/67

In: 46.196+/-0.006 χ^2/NDF:5739886.2/54

Out: 45.922+/-0.006 χ^2/NDF:7774153.7/59

All: 46.058+/-0.004 χ^2/NDF: 13515084.2/114



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/35

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

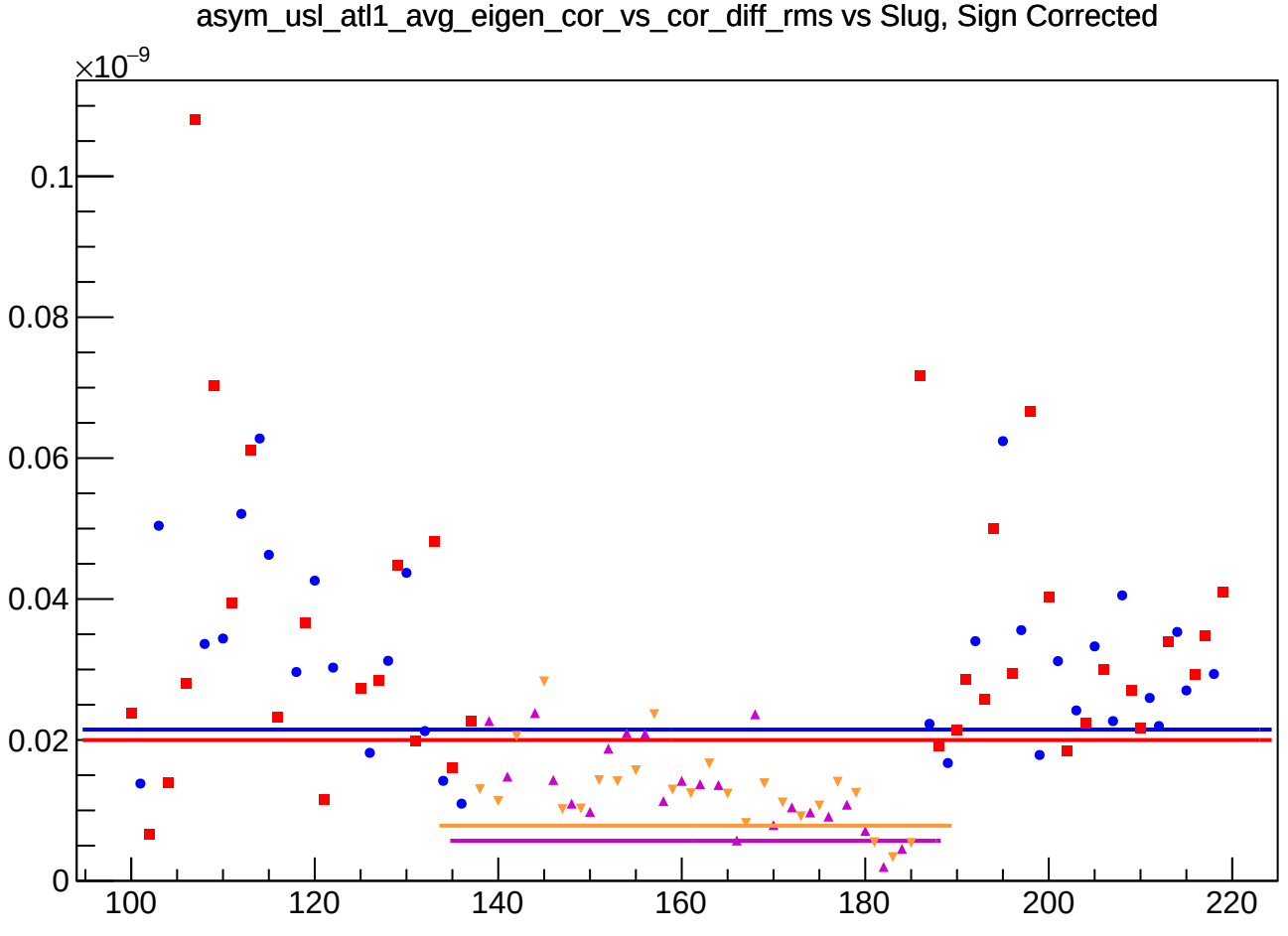
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 50.2/67

In: -0.000+/-0.000 χ^2/NDF:38.9/54

Out: 0.000+/-0.000 χ^2/NDF:38.8/59

All: -0.000+/-0.000 χ^2/NDF: 78.1/114



Right In: 0.000+/-0.000 χ^2/NDF: 4114540.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6451556.9/35

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

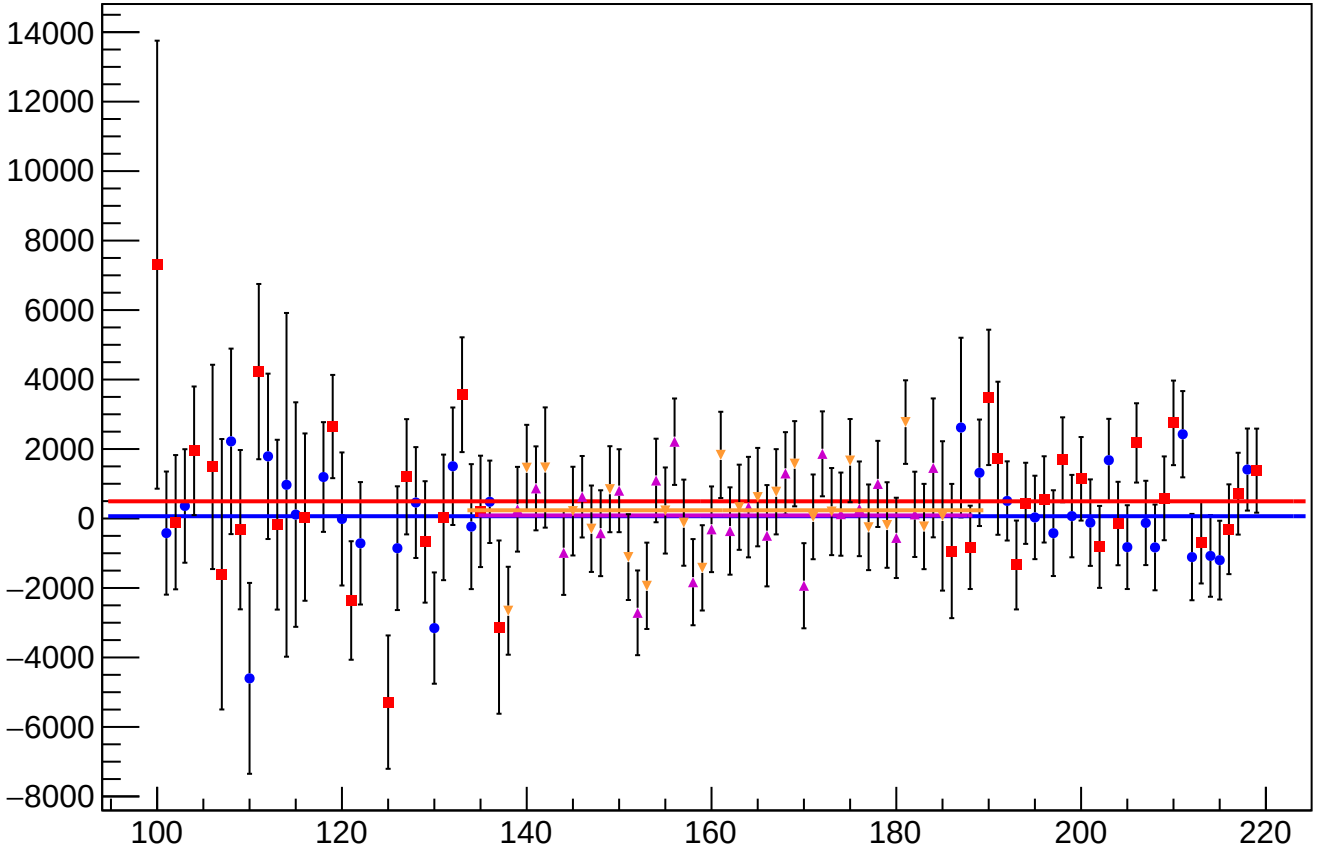
Right: 0.000+/-0.000 χ^2/NDF: 10614686.4/67

In: 0.000+/-0.000 χ^2/NDF:24974391.4/54

Out: 0.000+/-0.000 χ^2/NDF:18688777.9/59

All: 0.000+/-0.000 χ^2/NDF: 44757915.4/114

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 65.865+/-257.893 χ^2/NDF: 23.0/31

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 494.992+/-254.120 χ^2/NDF: 41.8/35

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

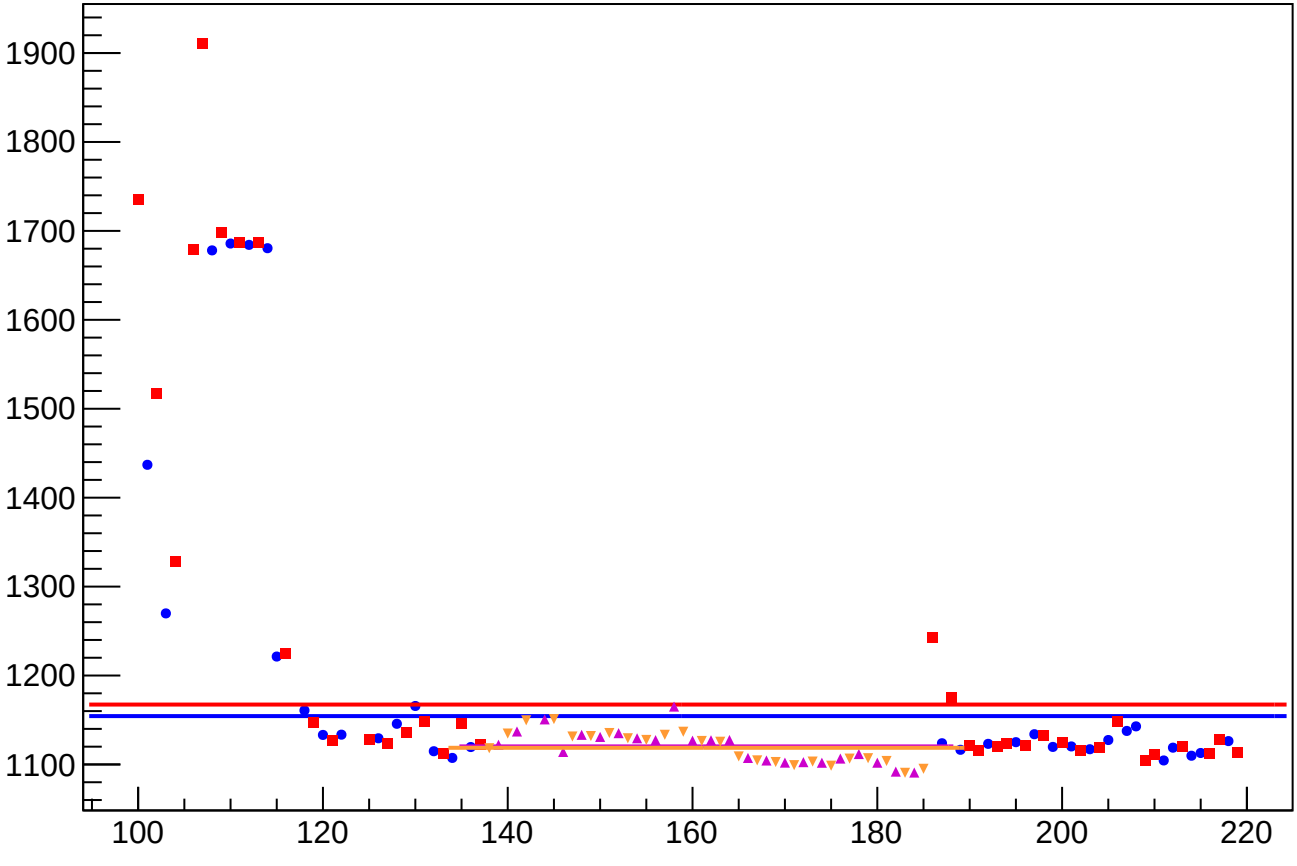
Right: 283.590+/-181.009 χ^2/NDF: 66.2/67

In: 76.962+/-183.655 χ^2/NDF:43.9/54

Out: 368.587+/-181.620 χ^2/NDF:65.0/59

All: 224.399+/-129.138 χ^2/NDF: 110.2/114

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1154.377+/-0.182 χ^2/NDF: 363545.3/31

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1167.355+/-0.180 χ^2/NDF: 568892.0/35

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

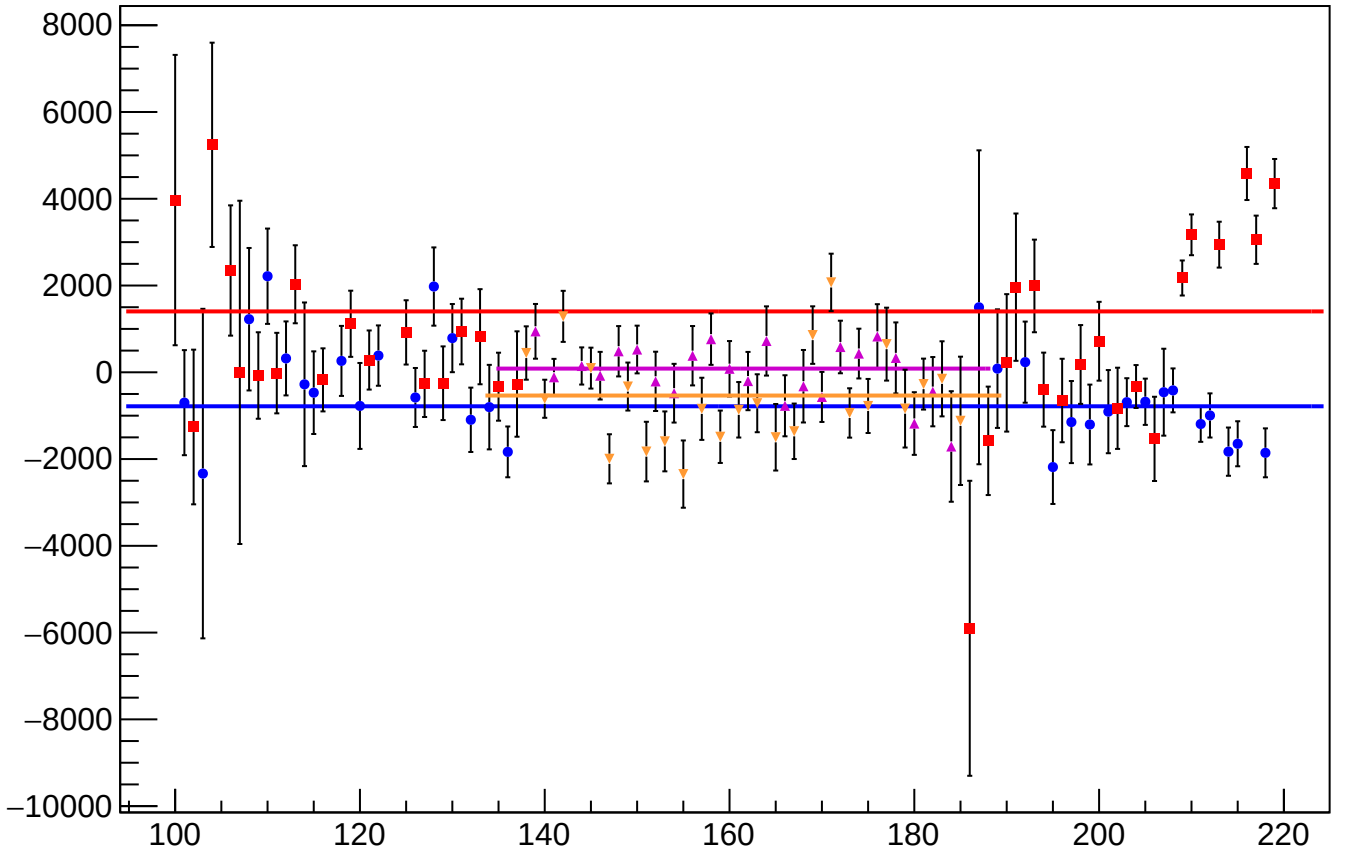
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1160.962+/-0.128 χ^2/NDF: 935006.9/67

In: 1137.586+/-0.130 χ^2/NDF:390227.4/54

Out: 1143.569+/-0.128 χ^2/NDF:612914.9/59

All: 1140.611+/-0.091 χ^2/NDF: 1004215.4/11



Right In: -783.521+/-131.059 χ^2/NDF: 49.2/31

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: 1403.323+/-132.648 χ^2/NDF: 173.8/35

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

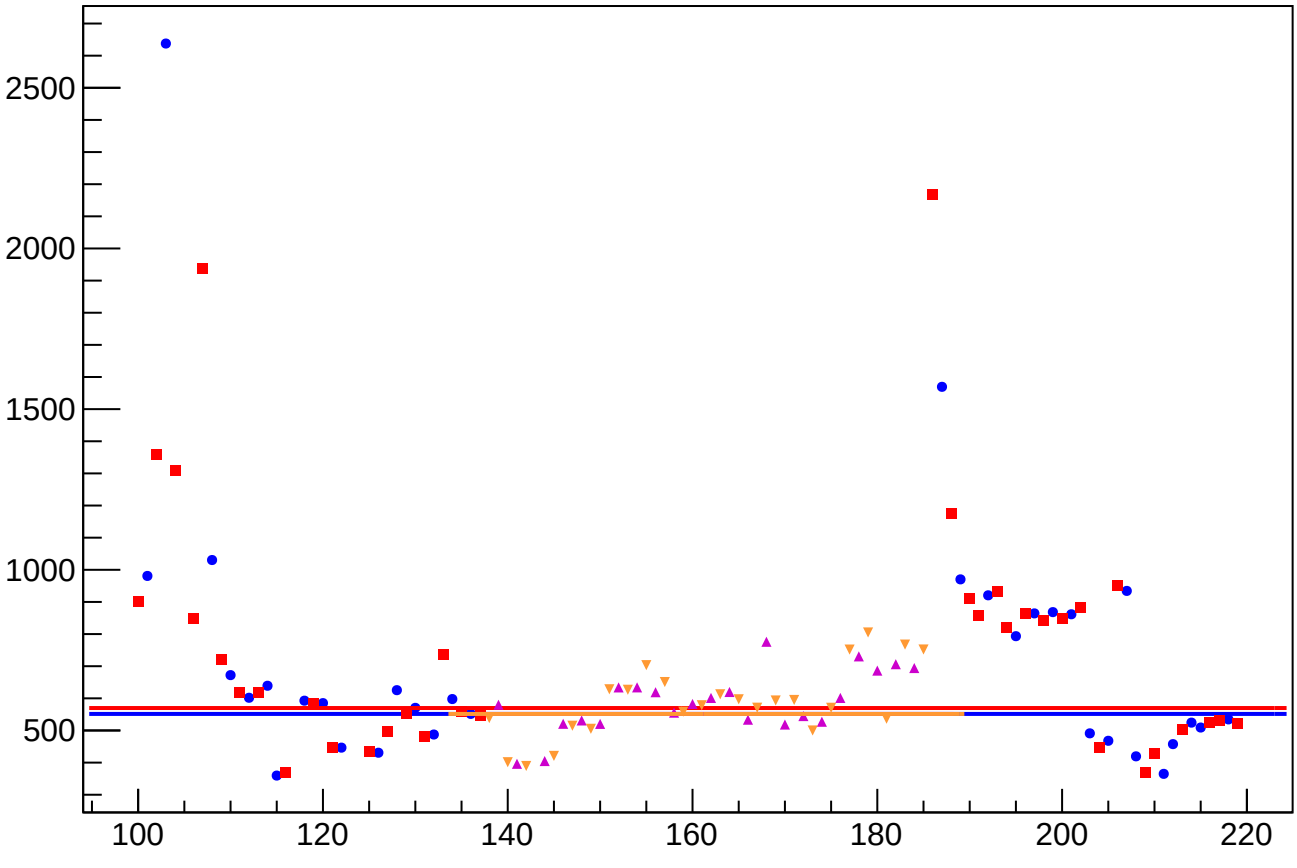
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 296.722+/-93.229 χ^2/NDF: 360.6/67

In: -348.826+/-92.640 χ^2/NDF:88.3/54

Out: 418.968+/-93.080 χ^2/NDF:343.9/59

All: 33.249+/-65.661 χ^2/NDF: 466.4/114



Right In: 551.505+/-0.093 χ^2/NDF: 3777294.7/31

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 569.854+/-0.094 χ^2/NDF: 4773448.4/35

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

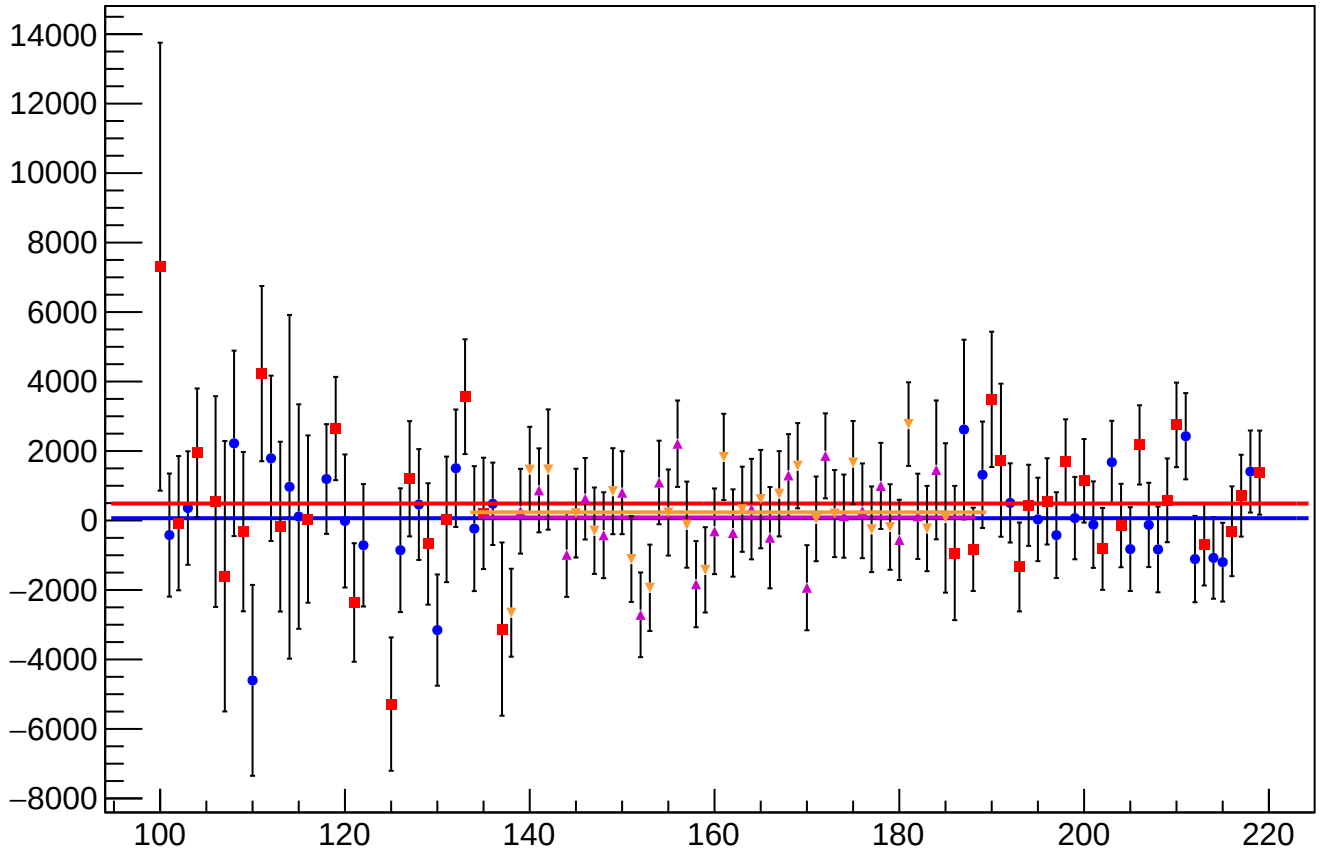
Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

Right: 560.569+/-0.066 χ^2/NDF: 8570107.5/67

In: 551.421+/-0.066 χ^2/NDF:4839060.5/54

Out: 560.507+/-0.066 χ^2/NDF:6019627.6/59

All: 555.942+/-0.046 χ^2/NDF: 10868262.4/11



Right In: 65.743+/-257.893 χ^2/NDF: 23.0/31

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 488.462+/-254.178 χ^2/NDF: 41.6/35

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

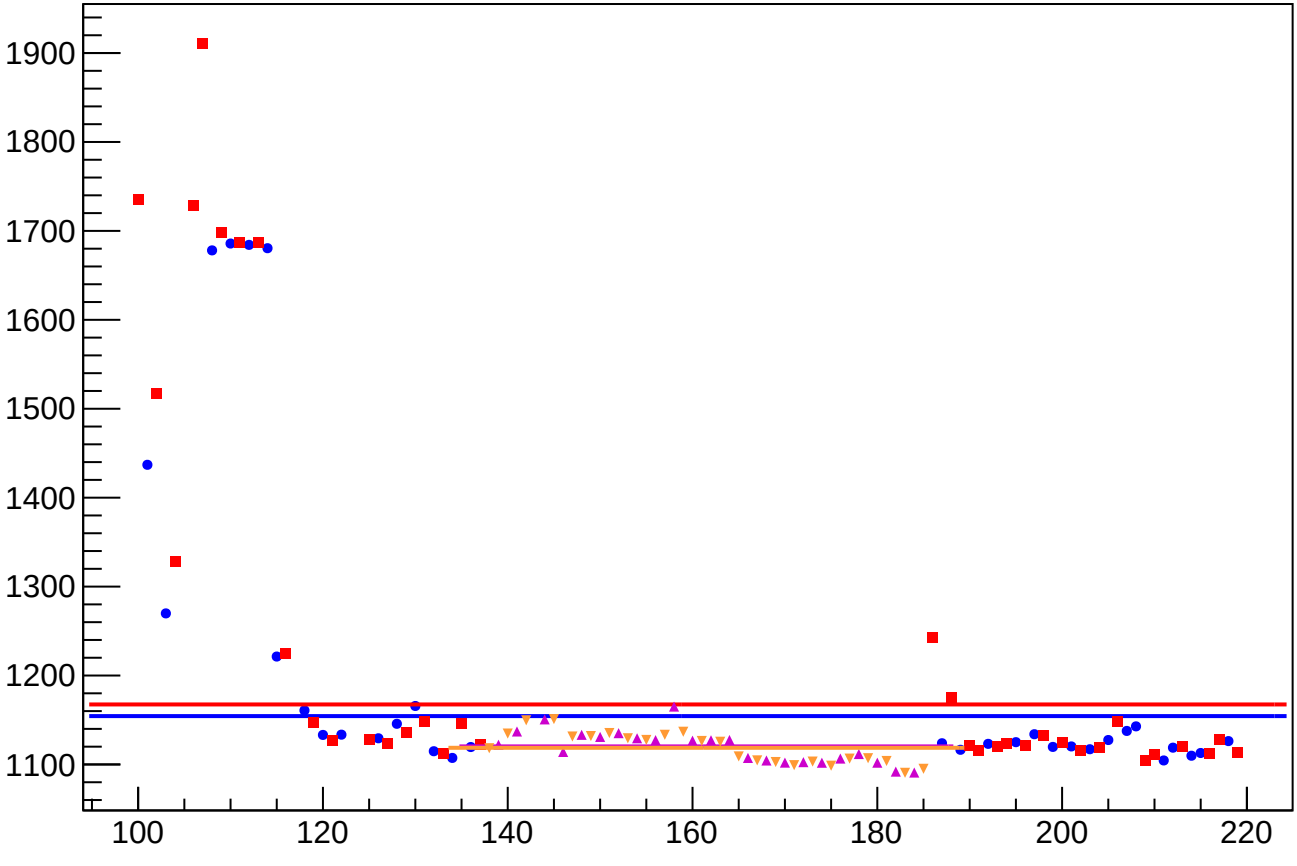
Right: 280.169+/-181.030 χ^2/NDF: 66.1/67

In: 76.895+/-183.655 χ^2/NDF:43.9/54

Out: 365.243+/-181.641 χ^2/NDF:64.9/59

All: 222.659+/-129.146 χ^2/NDF: 110.0/114

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1154.377+/-0.182 χ^2/NDF: 363545.3/31

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1167.477+/-0.180 χ^2/NDF: 576920.2/35

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

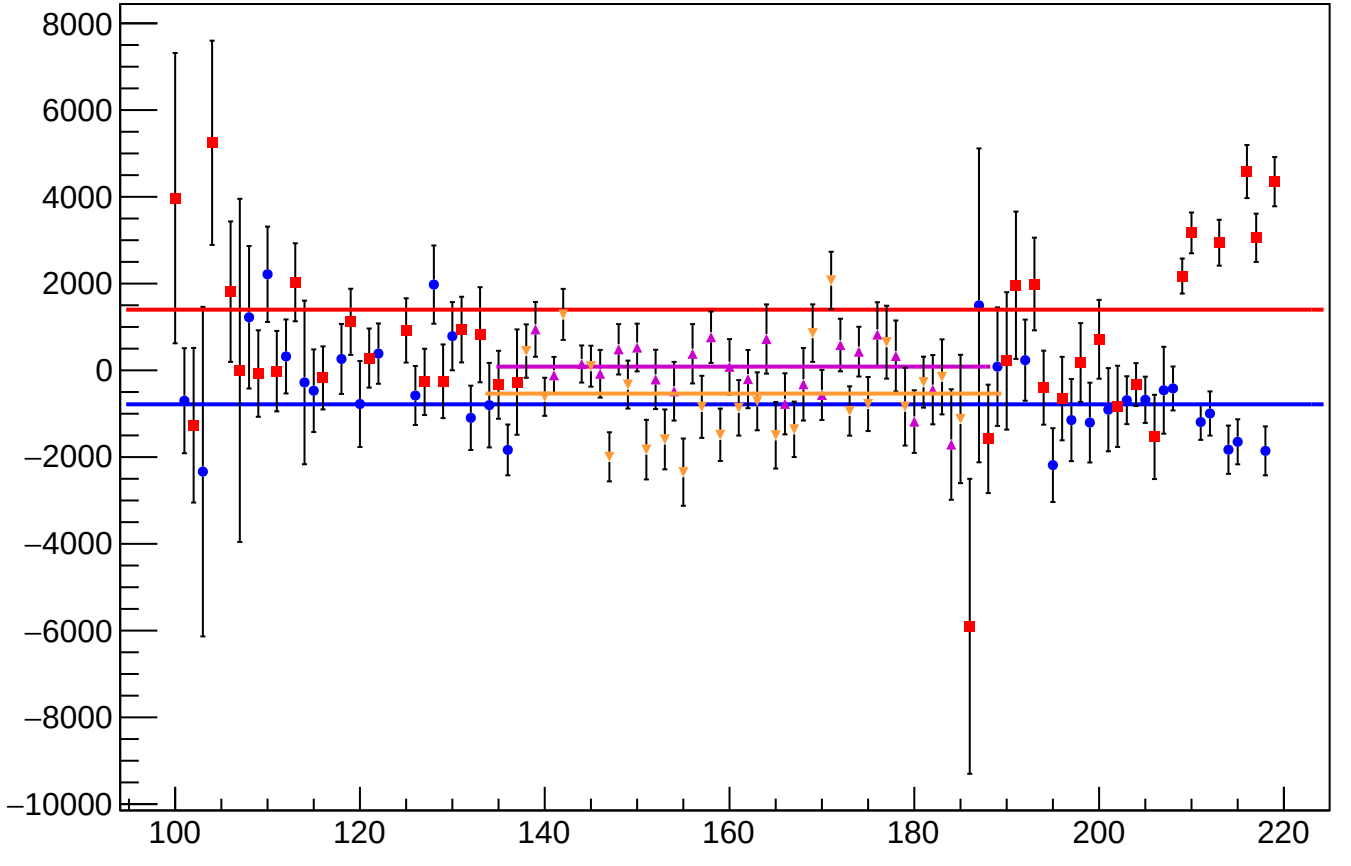
Right: 1161.022+/-0.128 χ^2/NDF: 943083.0/67

In: 1137.586+/-0.130 χ^2/NDF:390227.5/54

Out: 1143.626+/-0.128 χ^2/NDF:621114.8/59

All: 1140.639+/-0.091 χ^2/NDF: 1012435.8/11

asym_usl_atl1_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -783.520+/-131.058 χ^2/NDF: 49.2/31

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 1398.699+/-132.720 χ^2/NDF: 173.5/35

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

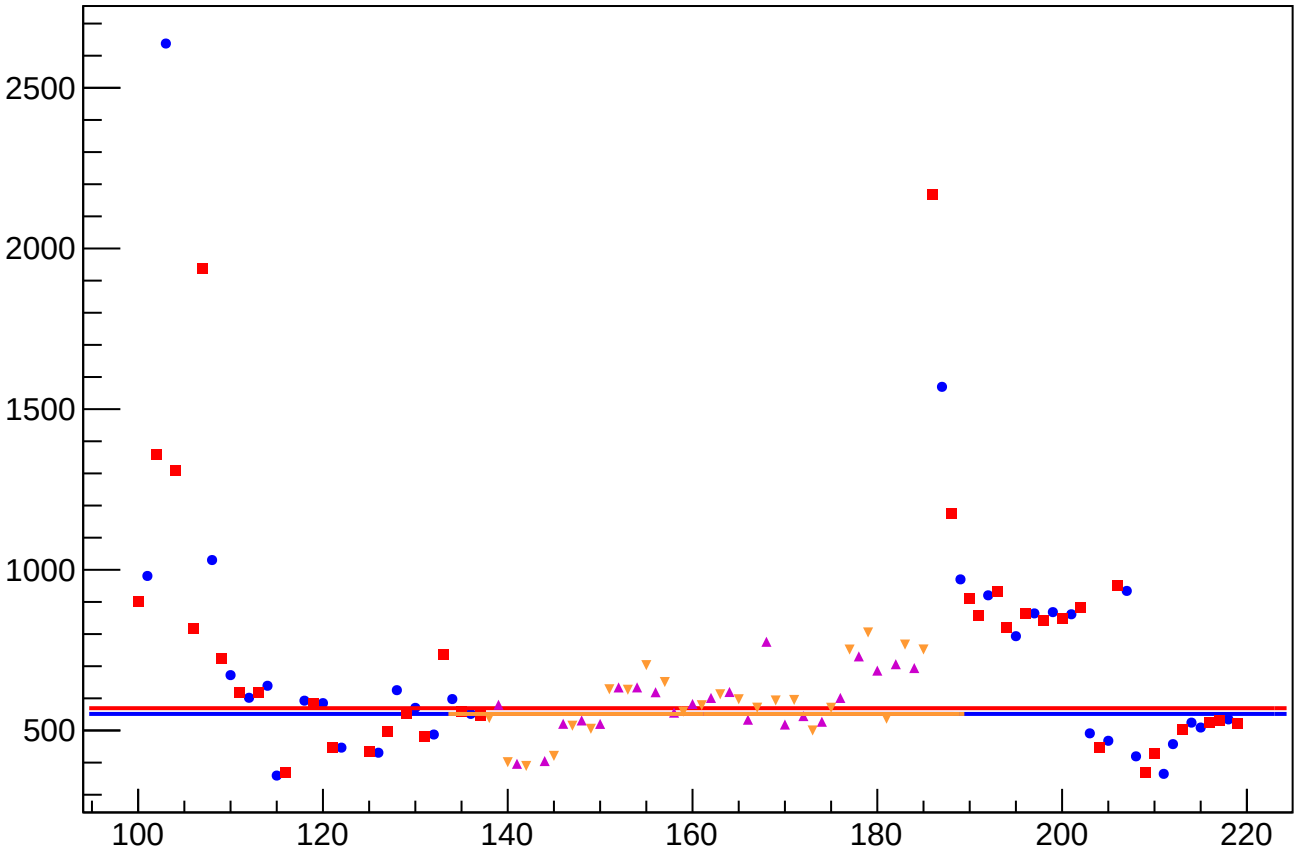
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 293.843+/-93.254 χ^2/NDF: 359.6/67

In: -348.832+/-92.639 χ^2/NDF:88.3/54

Out: 416.153+/-93.105 χ^2/NDF:343.0/59

All: 31.742+/-65.670 χ^2/NDF: 465.2/114



Right In: 551.502+/-0.093 χ^2/NDF: 3777281.4/31

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 569.336+/-0.094 χ^2/NDF: 4751801.3/35

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

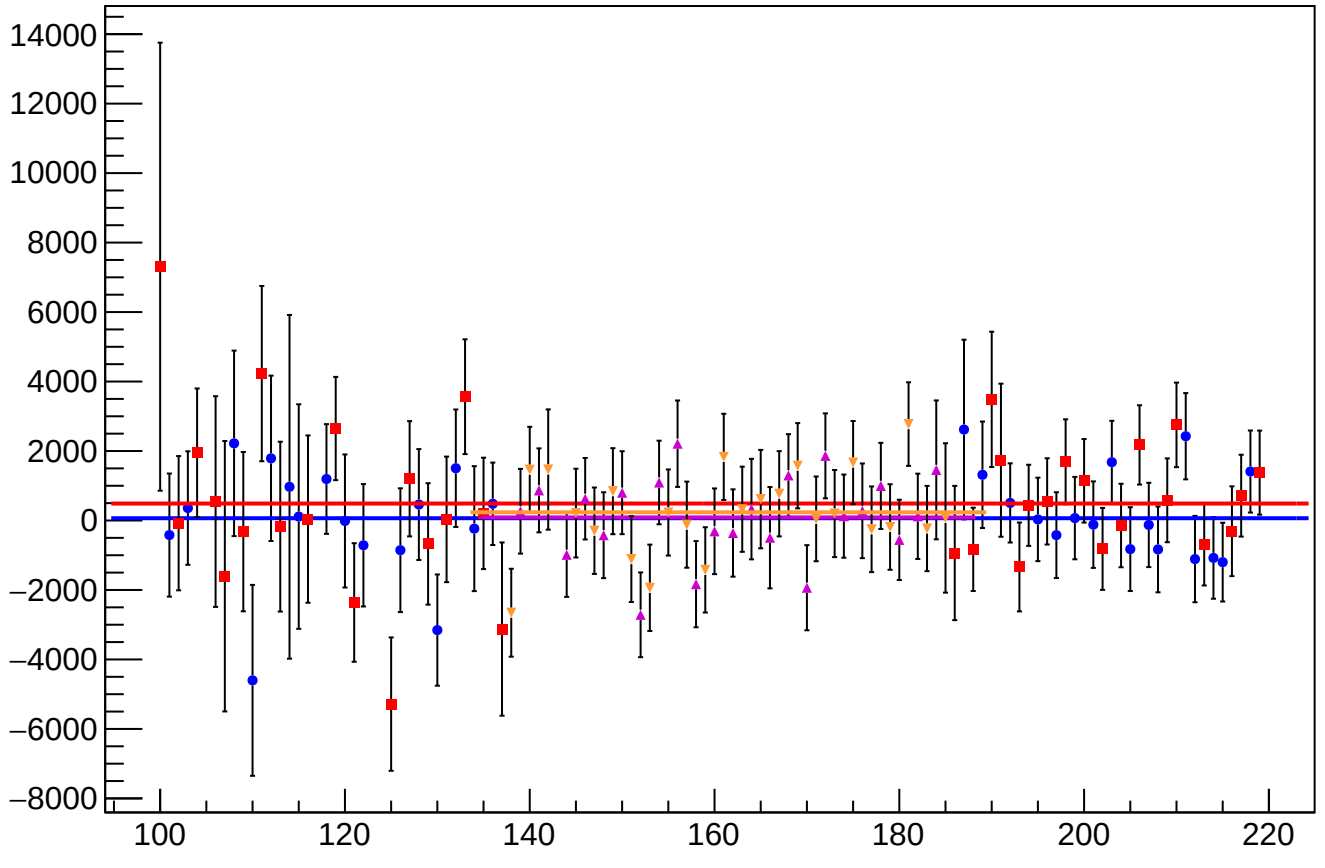
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 560.307+/-0.066 χ^2/NDF: 8547365.8/67

In: 551.419+/-0.066 χ^2/NDF:4839014.9/54

Out: 560.247+/-0.066 χ^2/NDF:5996902.6/59

All: 555.811+/-0.046 χ^2/NDF: 10844952.9/11



Right In: 65.743+/-257.893 χ^2/NDF: 23.0/31

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 488.462+/-254.178 χ^2/NDF: 41.6/35

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

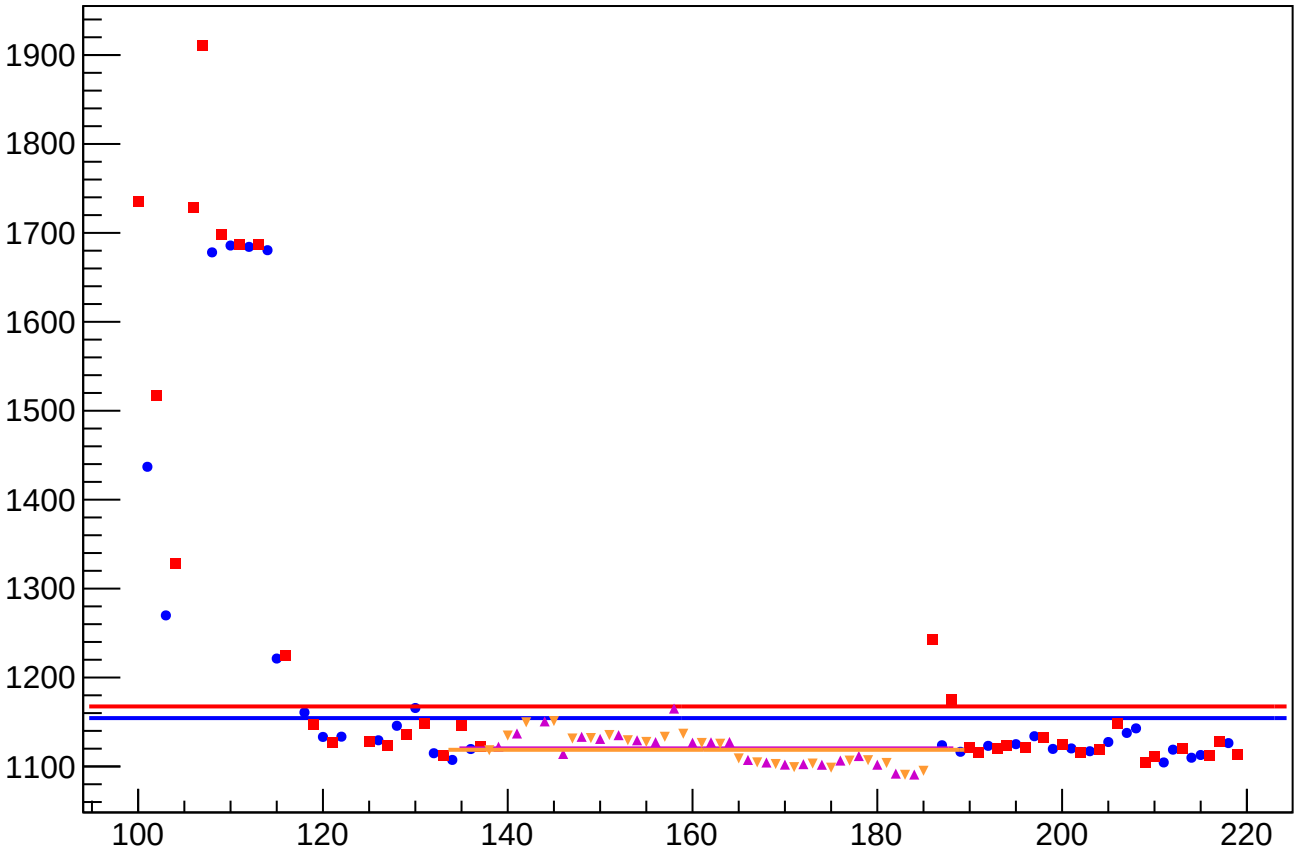
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 280.169+/-181.030 χ^2/NDF: 66.1/67

In: 76.895+/-183.655 χ^2/NDF:43.9/54

Out: 365.243+/-181.641 χ^2/NDF:64.9/59

All: 222.659+/-129.146 χ^2/NDF: 110.0/114



Right In: 1154.377+/-0.182 χ^2/NDF: 363545.3/31

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1167.477+/-0.180 χ^2/NDF: 576920.2/35

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

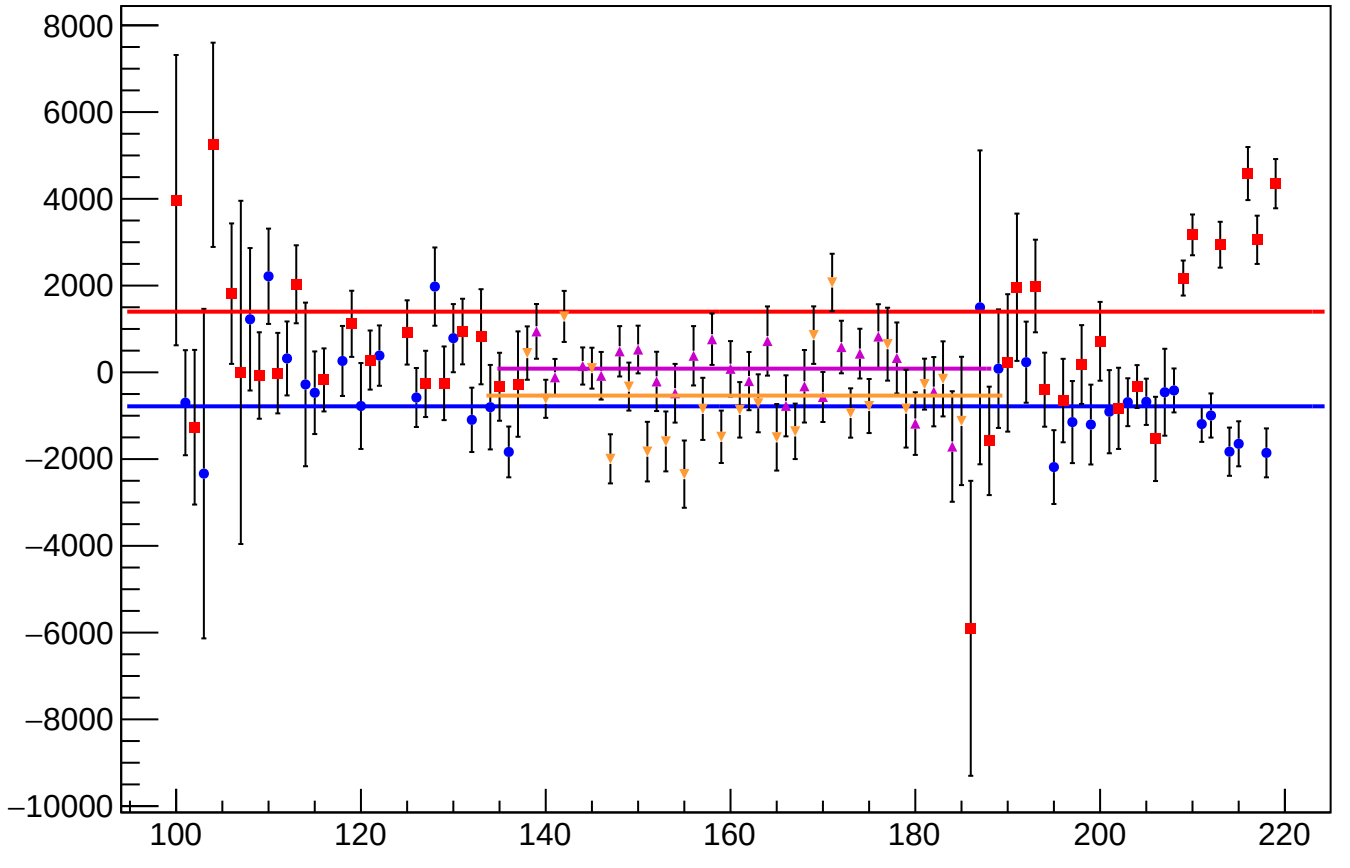
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1161.022+/-0.128 χ^2/NDF: 943083.0/67

In: 1137.586+/-0.130 χ^2/NDF:390227.5/54

Out: 1143.626+/-0.128 χ^2/NDF:621114.8/59

All: 1140.639+/-0.091 χ^2/NDF: 1012435.8/11



Right In: -783.520+/-131.058 χ^2/NDF: 49.2/31

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 1398.699+/-132.720 χ^2/NDF: 173.5/35

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

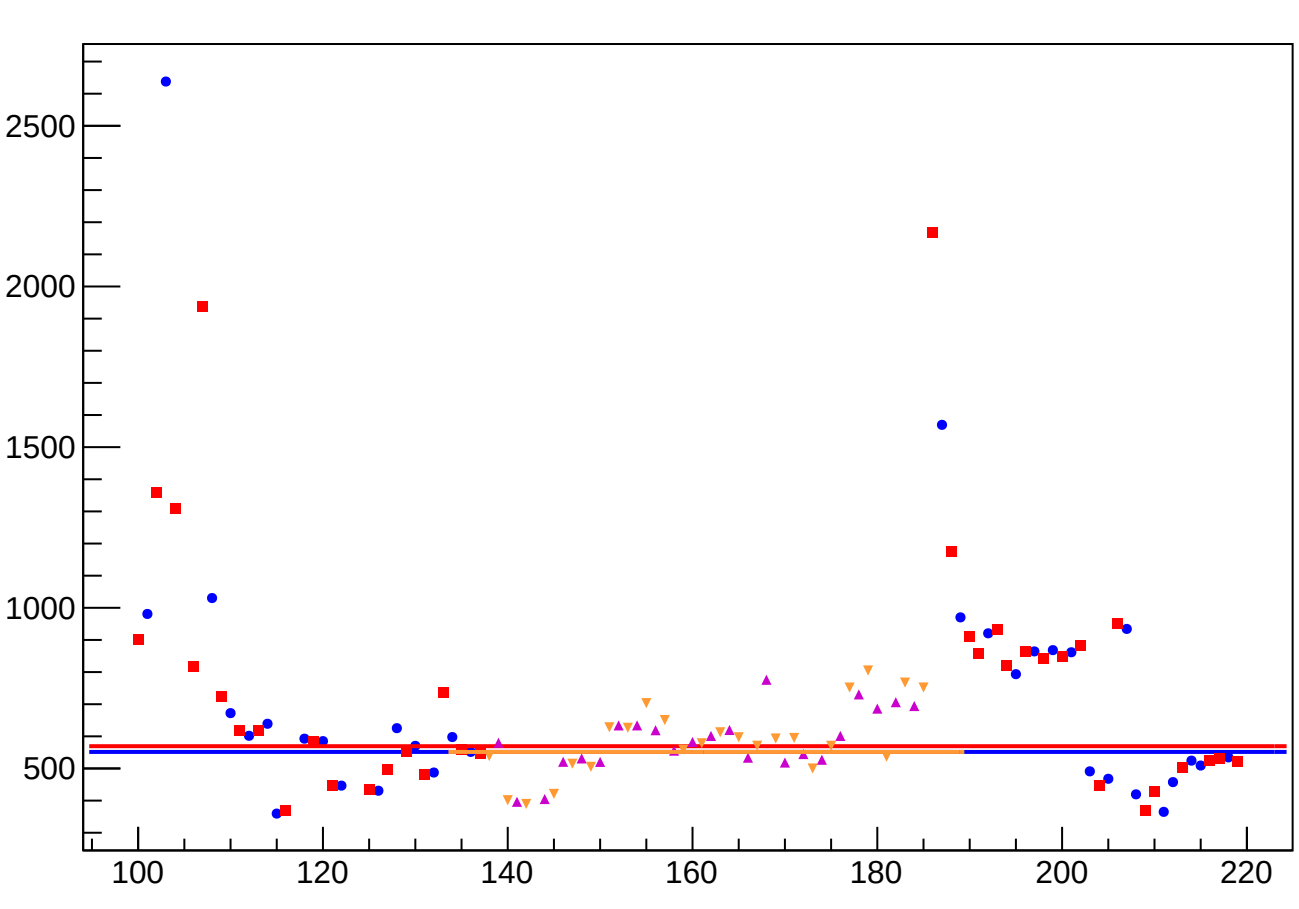
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 293.843+/-93.254 χ^2/NDF: 359.6/67

In: -348.832+/-92.639 χ^2/NDF:88.3/54

Out: 416.153+/-93.105 χ^2/NDF:343.0/59

All: 31.742+/-65.670 χ^2/NDF: 465.2/114



Right In: 551.502+/-0.093 χ^2/NDF: 3777281.4/31

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 569.336+/-0.094 χ^2/NDF: 4751801.3/35

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

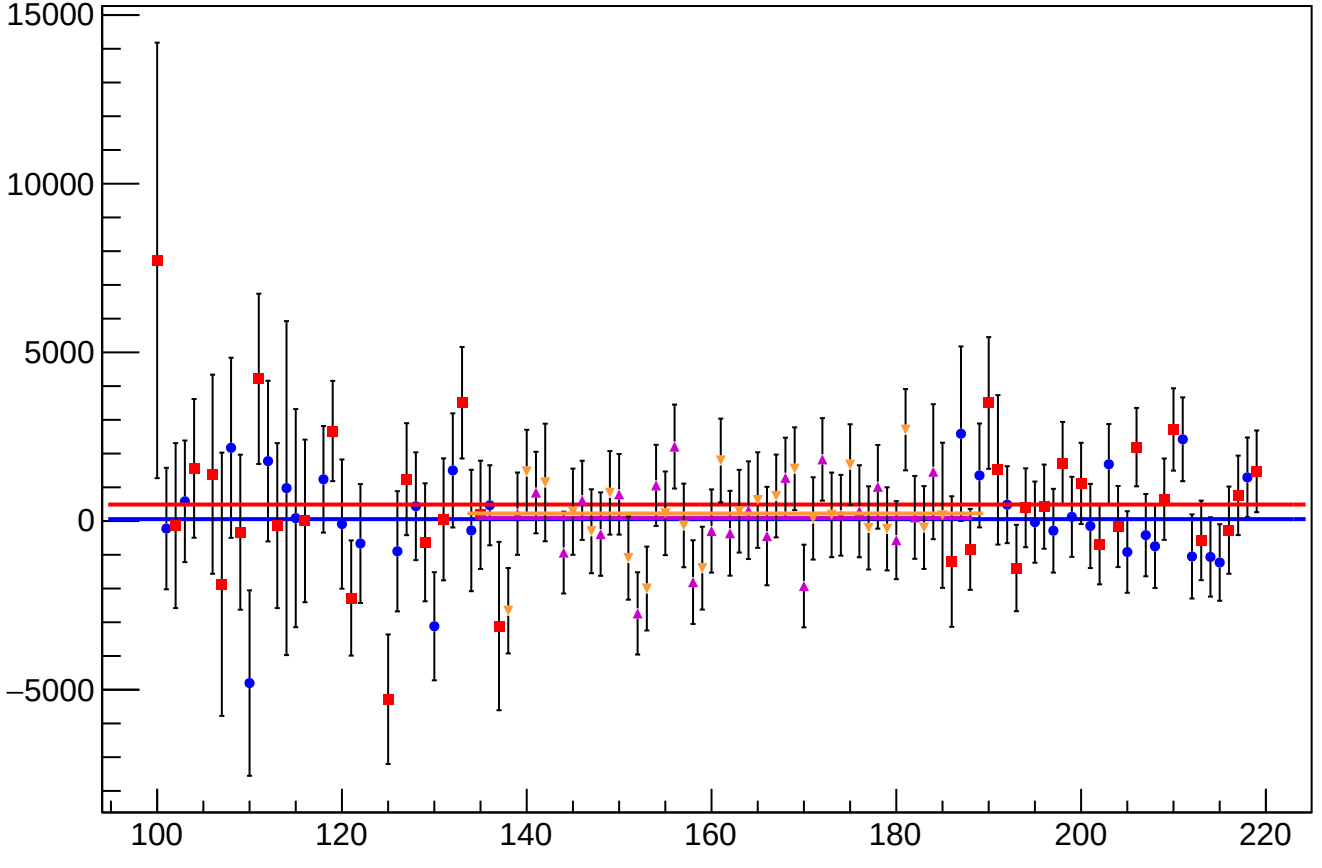
Right: 560.307+/-0.066 χ^2/NDF: 8547365.8/67

In: 551.419+/-0.066 χ^2/NDF:4839014.9/54

Out: 560.247+/-0.066 χ^2/NDF:5996902.6/59

All: 555.811+/-0.046 χ^2/NDF: 10844952.9/11

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 56.608+/-258.945 χ^2/NDF: 23.0/31

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 490.145+/-256.038 χ^2/NDF: 41.1/35

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

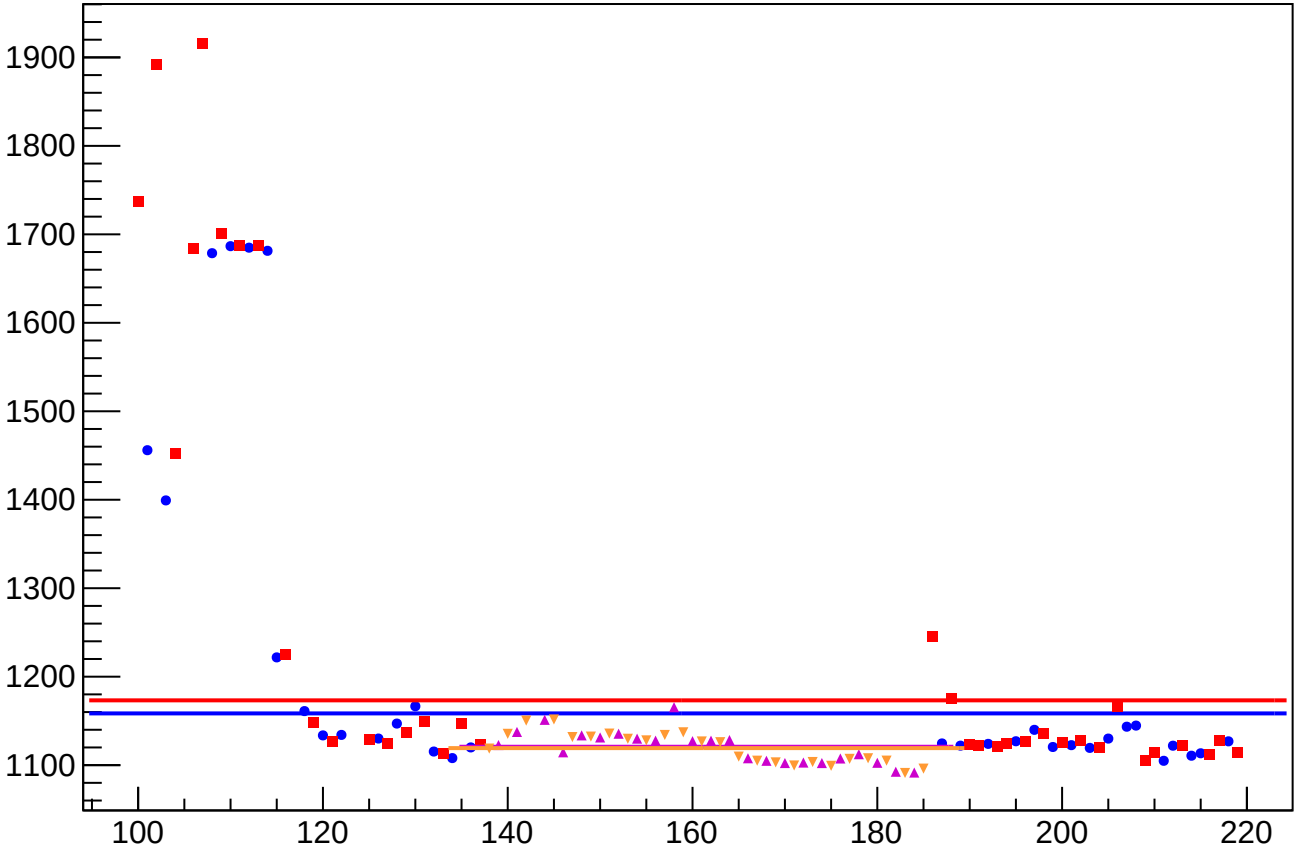
Right: 275.824+/-182.065 χ^2/NDF: 65.5/67

In: 72.670+/-184.074 χ^2/NDF:43.6/54

Out: 359.847+/-182.372 χ^2/NDF:63.8/59

All: 217.593+/-129.554 χ^2/NDF: 108.6/114

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1158.488+/-0.183 χ^2/NDF: 393098.9/31

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1173.249+/-0.181 χ^2/NDF: 699233.9/35

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

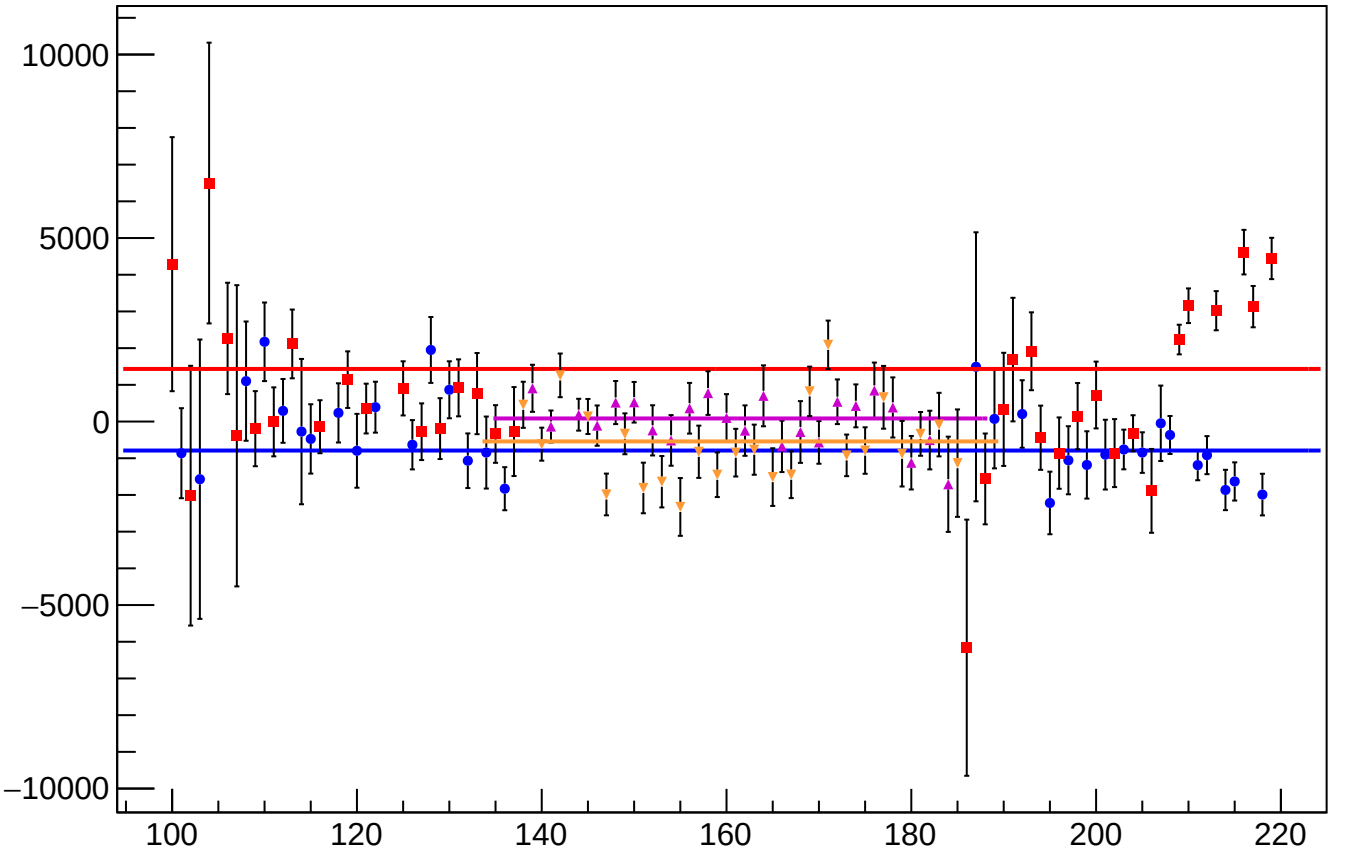
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1165.952+/-0.129 χ^2/NDF: 1095618.9/67

In: 1139.845+/-0.130 χ^2/NDF:423482.6/54

Out: 1146.650+/-0.129 χ^2/NDF:751189.5/59

All: 1143.279+/-0.092 χ^2/NDF: 1176051.7/11



Right In: -789.830+/-131.429 χ^2/NDF: 50.7/31

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: 1433.142+/-133.722 χ^2/NDF: 176.6/35

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

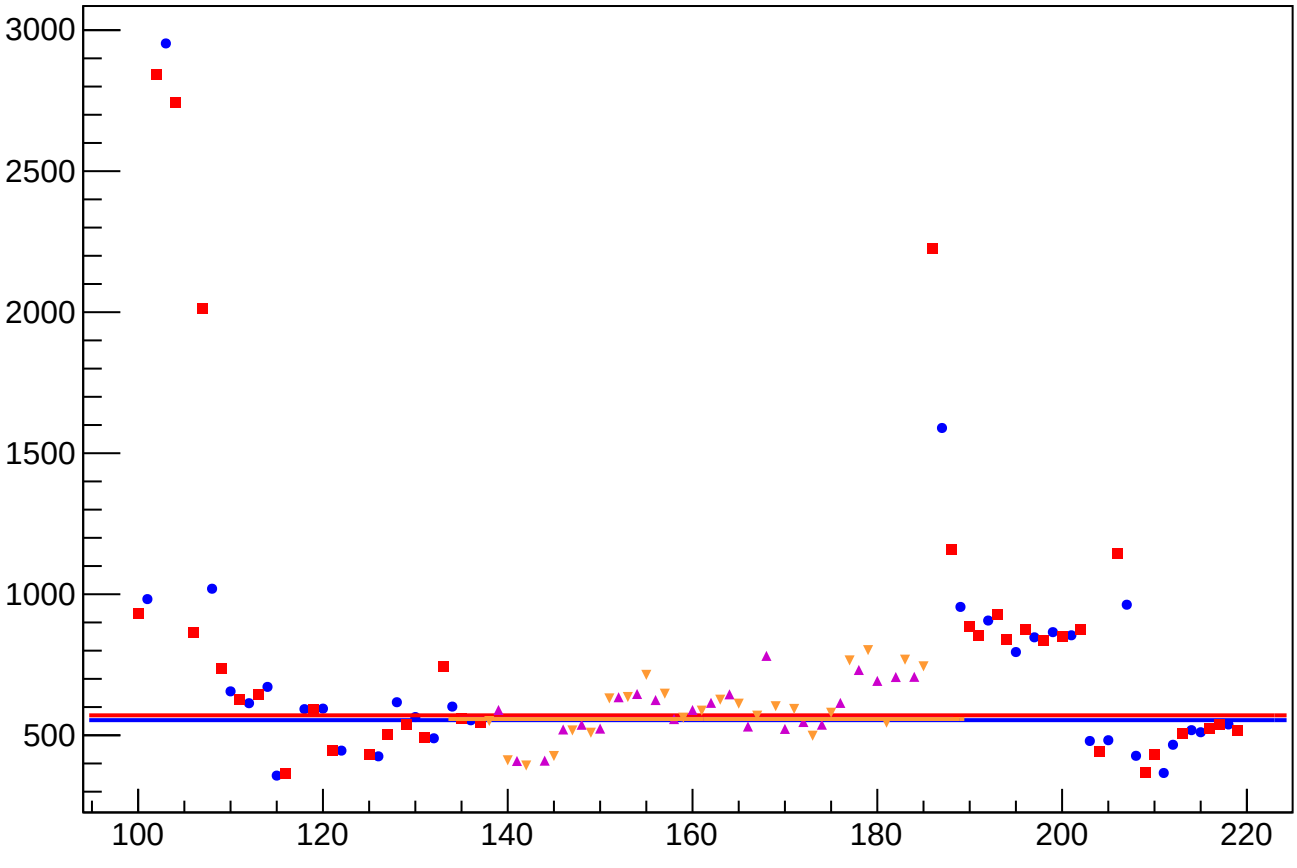
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 302.436+/-93.735 χ^2/NDF: 367.8/67

In: -356.558+/-93.328 χ^2/NDF:89.0/54

Out: 433.065+/-93.945 χ^2/NDF:347.9/59

All: 35.649+/-66.210 χ^2/NDF: 472.5/114



Right In: 553.567+/-0.093 χ^2/NDF: 3909833.8/31

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 570.668+/-0.095 χ^2/NDF: 5888315.2/35

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

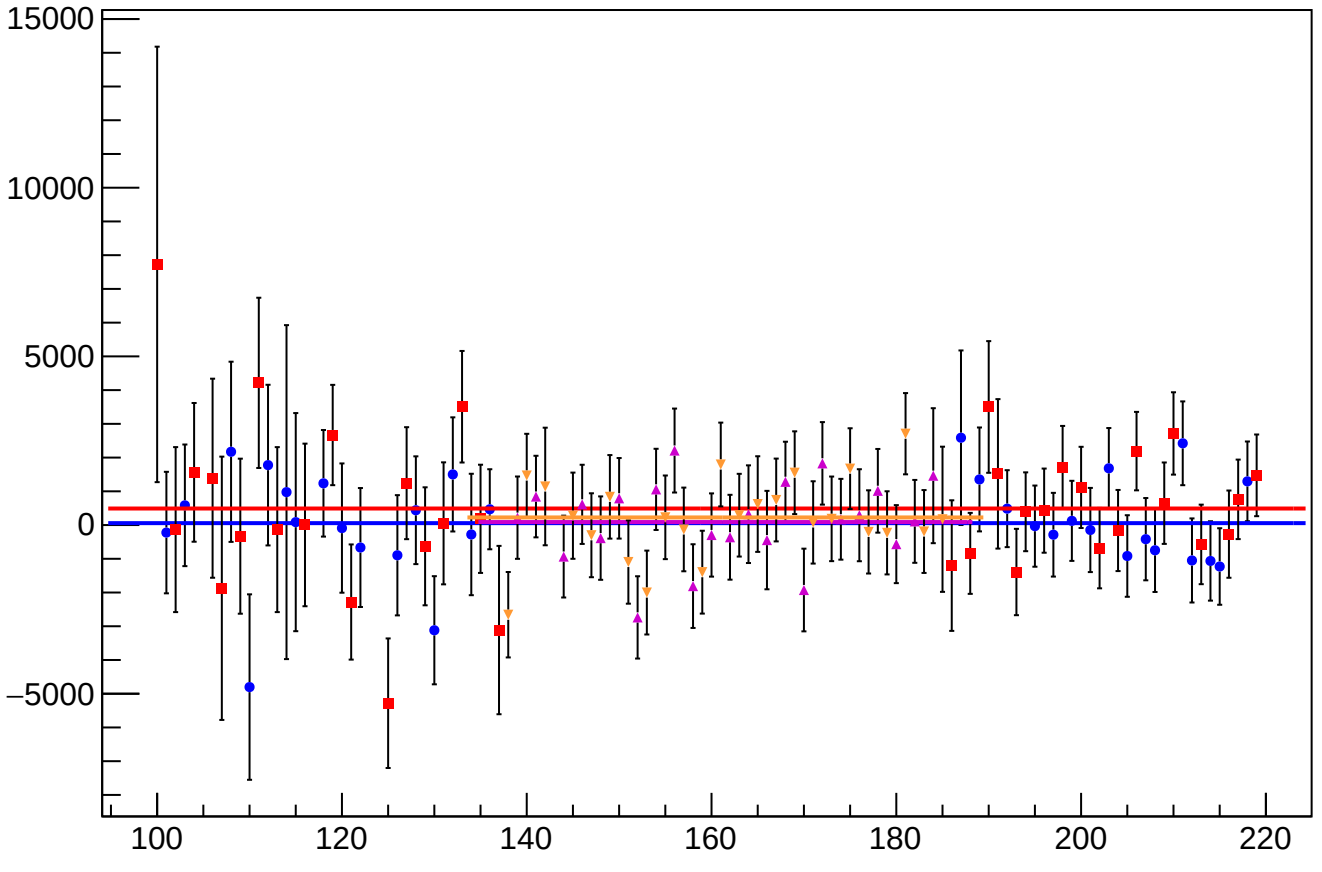
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 561.970+/-0.066 χ^2/NDF: 9814786.0/67

In: 555.960+/-0.066 χ^2/NDF:4938985.0/54

Out: 564.046+/-0.066 χ^2/NDF:7091270.6/59

All: 559.976+/-0.047 χ^2/NDF: 12037712.9/11



Right In: 56.610+/-258.945 χ^2/NDF: 23.0/31

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 490.144+/-256.038 χ^2/NDF: 41.1/35

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

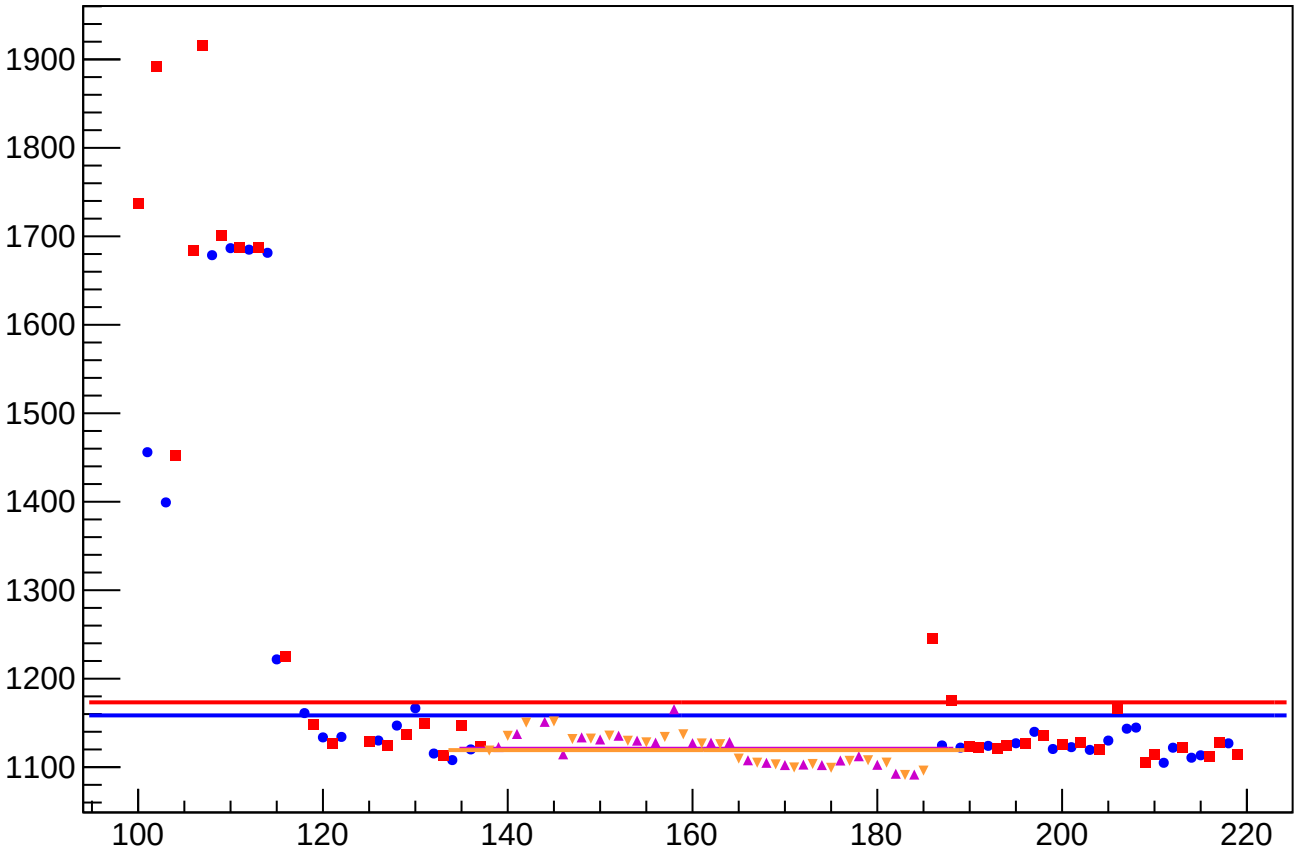
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 275.824+/-182.065 χ^2/NDF: 65.5/67

In: 72.671+/-184.074 χ^2/NDF:43.6/54

Out: 359.846+/-182.372 χ^2/NDF:63.8/59

All: 217.593+/-129.554 χ^2/NDF: 108.6/114



Right In: 1158.488+/-0.183 χ^2/NDF: 393098.4/31

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1173.249+/-0.181 χ^2/NDF: 699233.2/35

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

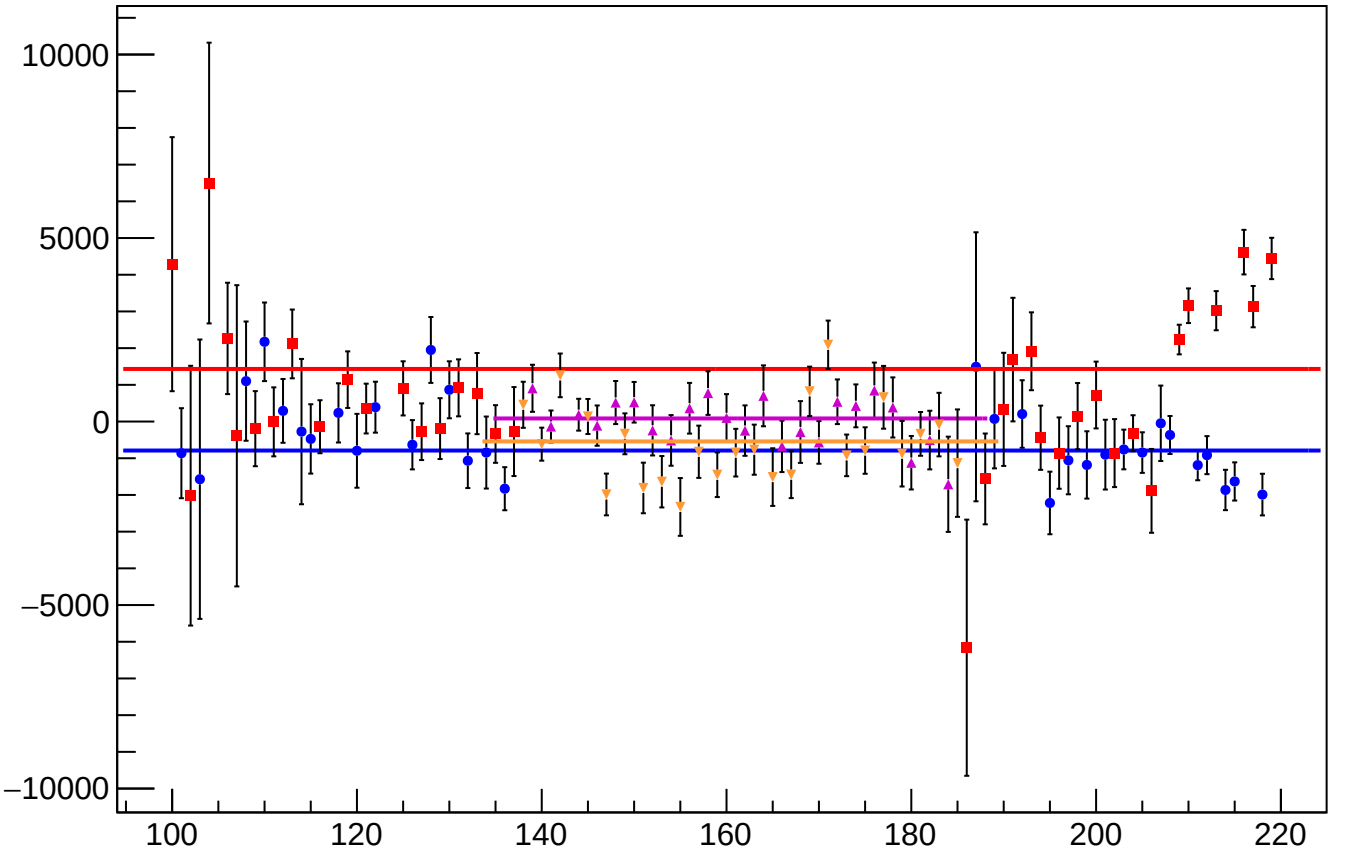
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1165.952+/-0.129 χ^2/NDF: 1095617.6/67

In: 1139.845+/-0.130 χ^2/NDF:423482.1/54

Out: 1146.650+/-0.129 χ^2/NDF:751188.8/59

All: 1143.279+/-0.092 χ^2/NDF: 1176050.4/11



Right In: -789.829+/-131.429 χ^2/NDF: 50.7/31

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: 1433.143+/-133.722 χ^2/NDF: 176.6/35

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

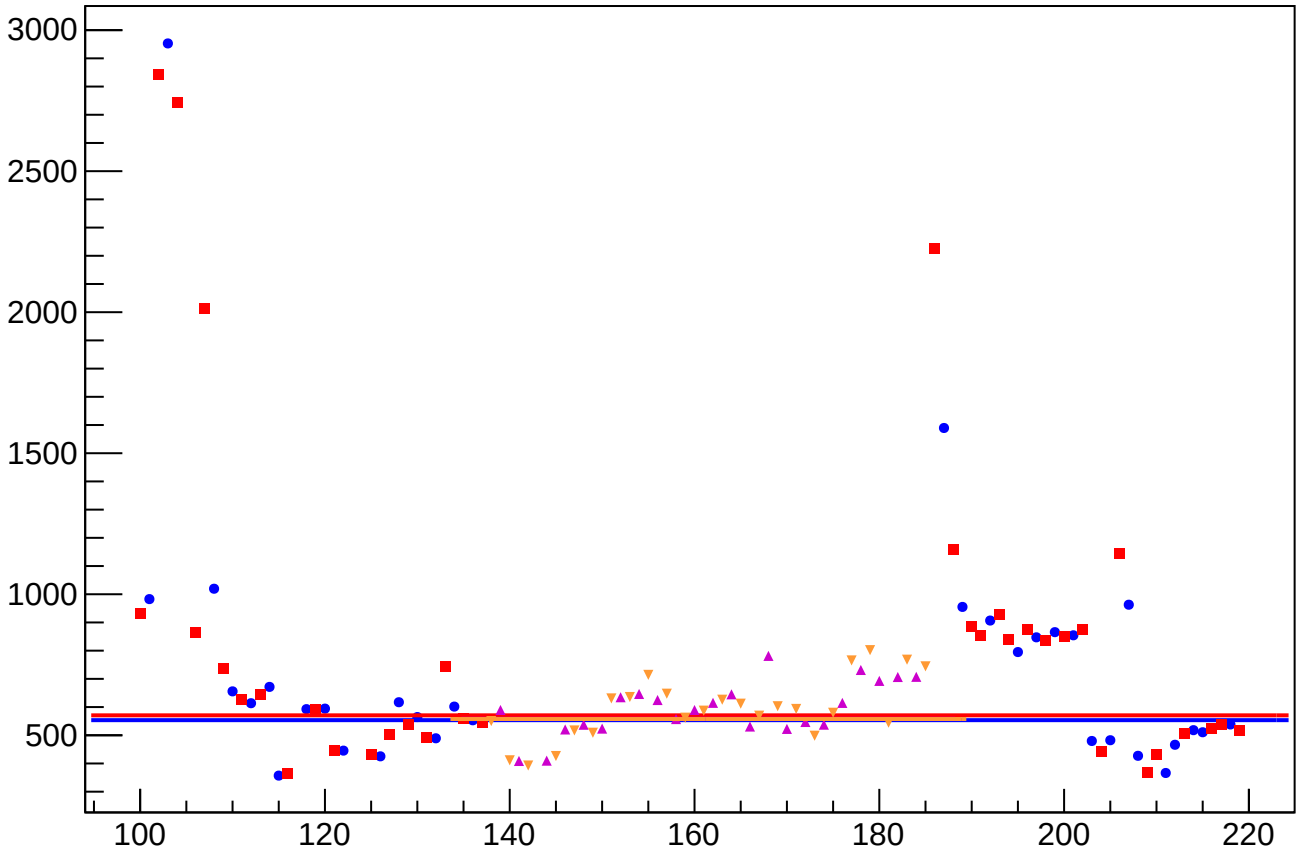
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 302.436+/-93.735 χ^2/NDF: 367.8/67

In: -356.558+/-93.328 χ^2/NDF:89.0/54

Out: 433.066+/-93.945 χ^2/NDF:347.9/59

All: 35.650+/-66.210 χ^2/NDF: 472.5/114



Right In: 553.567+/-0.093 χ^2/NDF: 3909836.6/31

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 570.667+/-0.095 χ^2/NDF: 5888323.7/35

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

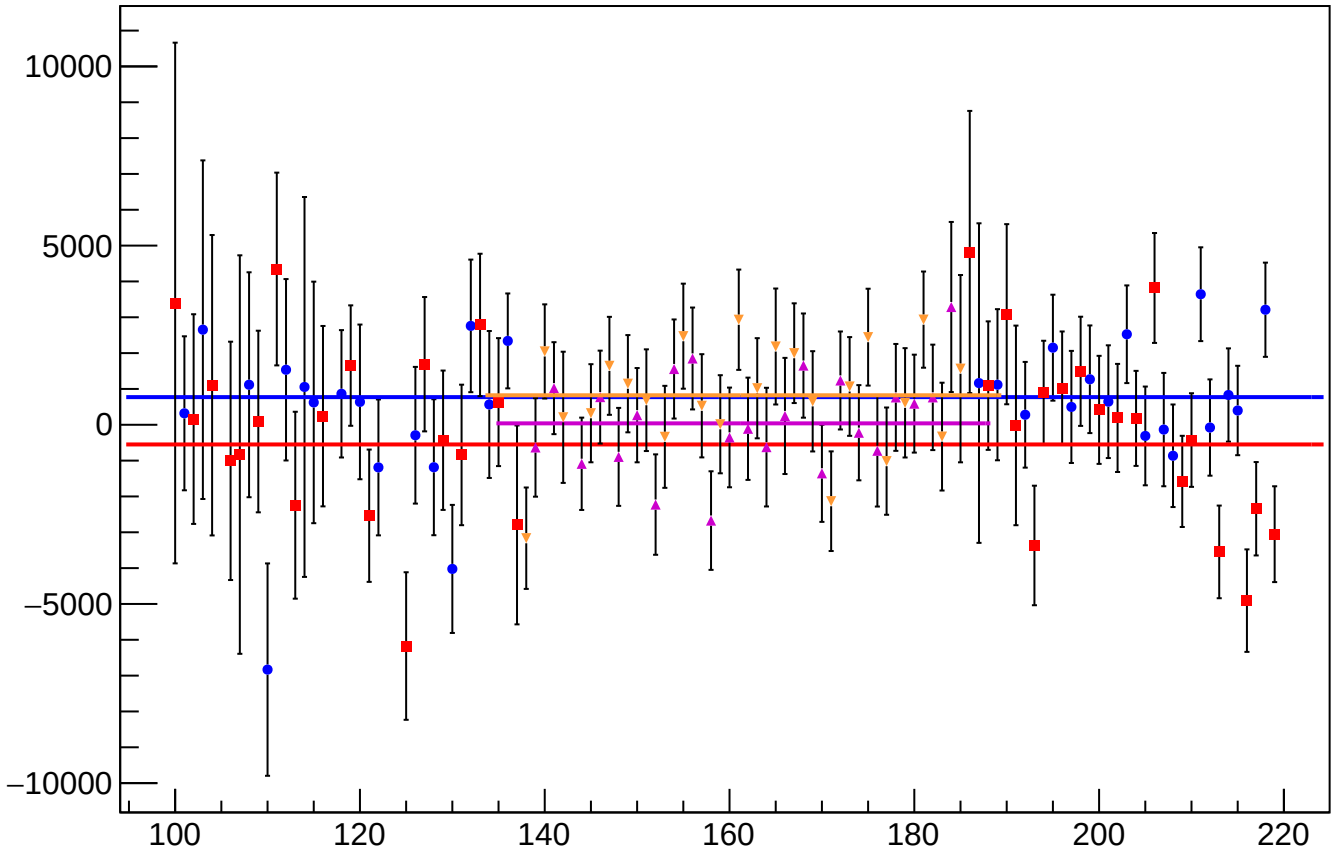
Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

Right: 561.969+/-0.066 χ^2/NDF: 9814797.4/67

In: 555.959+/-0.066 χ^2/NDF:4939002.3/54

Out: 564.045+/-0.066 χ^2/NDF:7091300.5/59

All: 559.975+/-0.047 χ^2/NDF: 12037760.1/11



Right In: 771.848+/-303.125 χ^2/NDF: 32.9/31

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -549.039+/-302.228 χ^2/NDF: 61.4/35

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

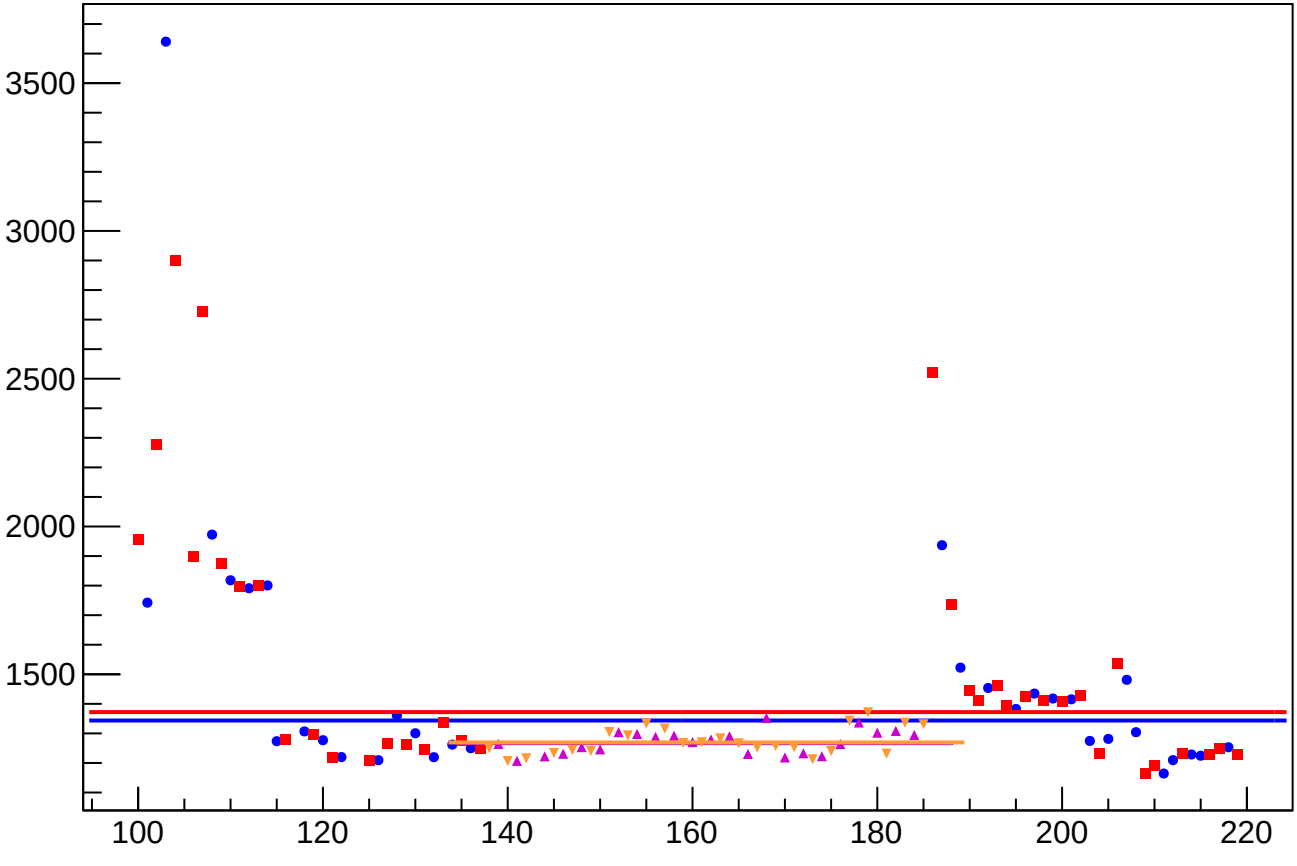
Right: 109.447+/-214.024 χ^2/NDF: 103.9/67

In: 397.073+/-211.780 χ^2/NDF:53.8/54

Out: 154.131+/-211.045 χ^2/NDF:98.2/59

All: 275.180+/-149.491 χ^2/NDF: 152.6/114

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1343.590+/-0.214 χ^2/NDF: 1000781.0/31

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1372.022+/-0.214 χ^2/NDF: 1374547.8/35

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

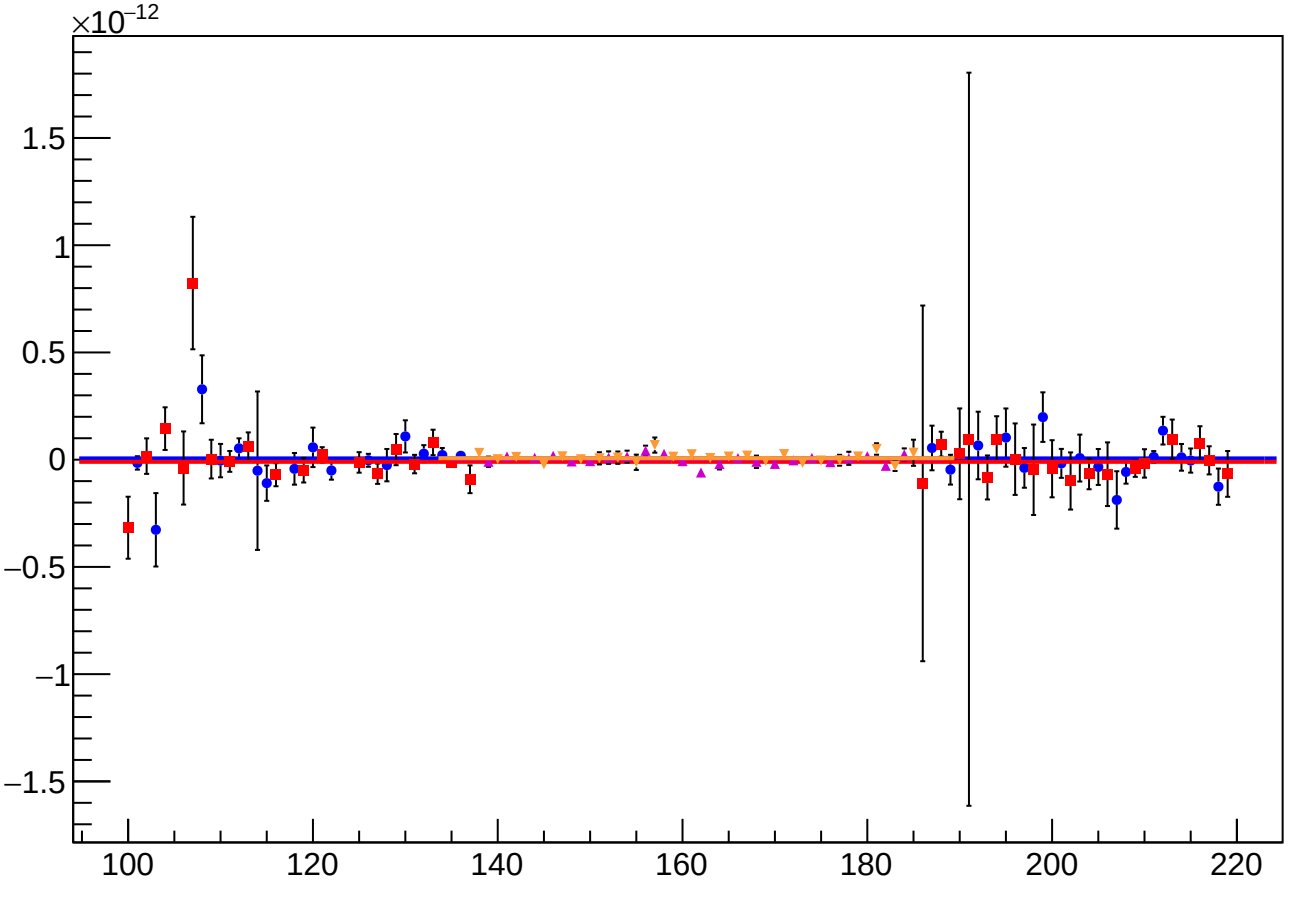
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1357.848+/-0.151 χ^2/NDF: 2384152.3/67

In: 1304.419+/-0.150 χ^2/NDF:1100573.7/54

Out: 1319.461+/-0.149 χ^2/NDF:1535643.8/59

All: 1311.966+/-0.106 χ^2/NDF: 2641280.0/11



Right In: 0.000+/-0.000 χ^2/NDF: 31.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.4/35

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

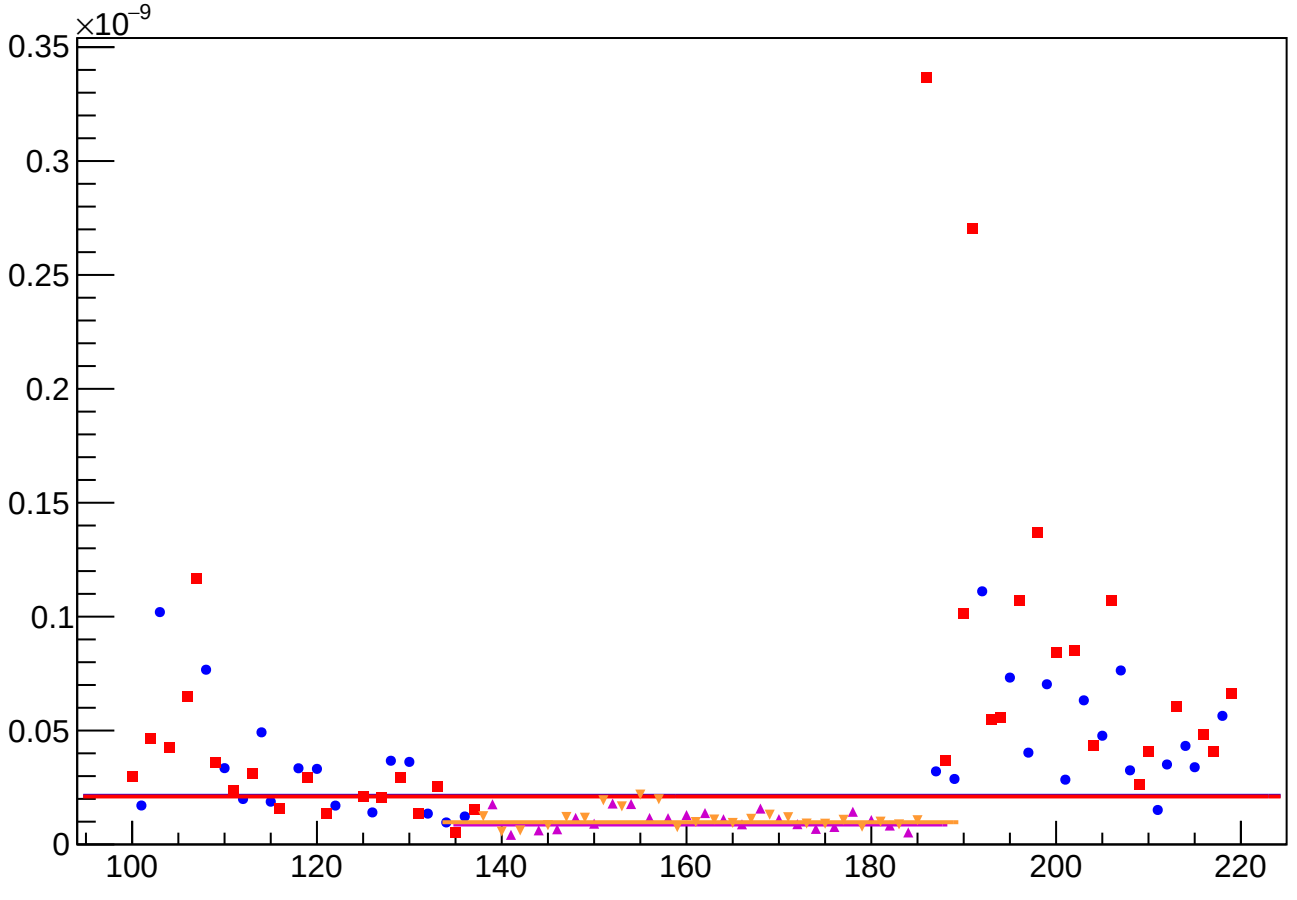
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 65.5/67

In: 0.000+/-0.000 χ^2/NDF:54.7/54

Out: 0.000+/-0.000 χ^2/NDF:54.9/59

All: 0.000+/-0.000 χ^2/NDF: 109.7/114



Right In: 0.000+/-0.000 χ^2/NDF: 5200154.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8531492.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

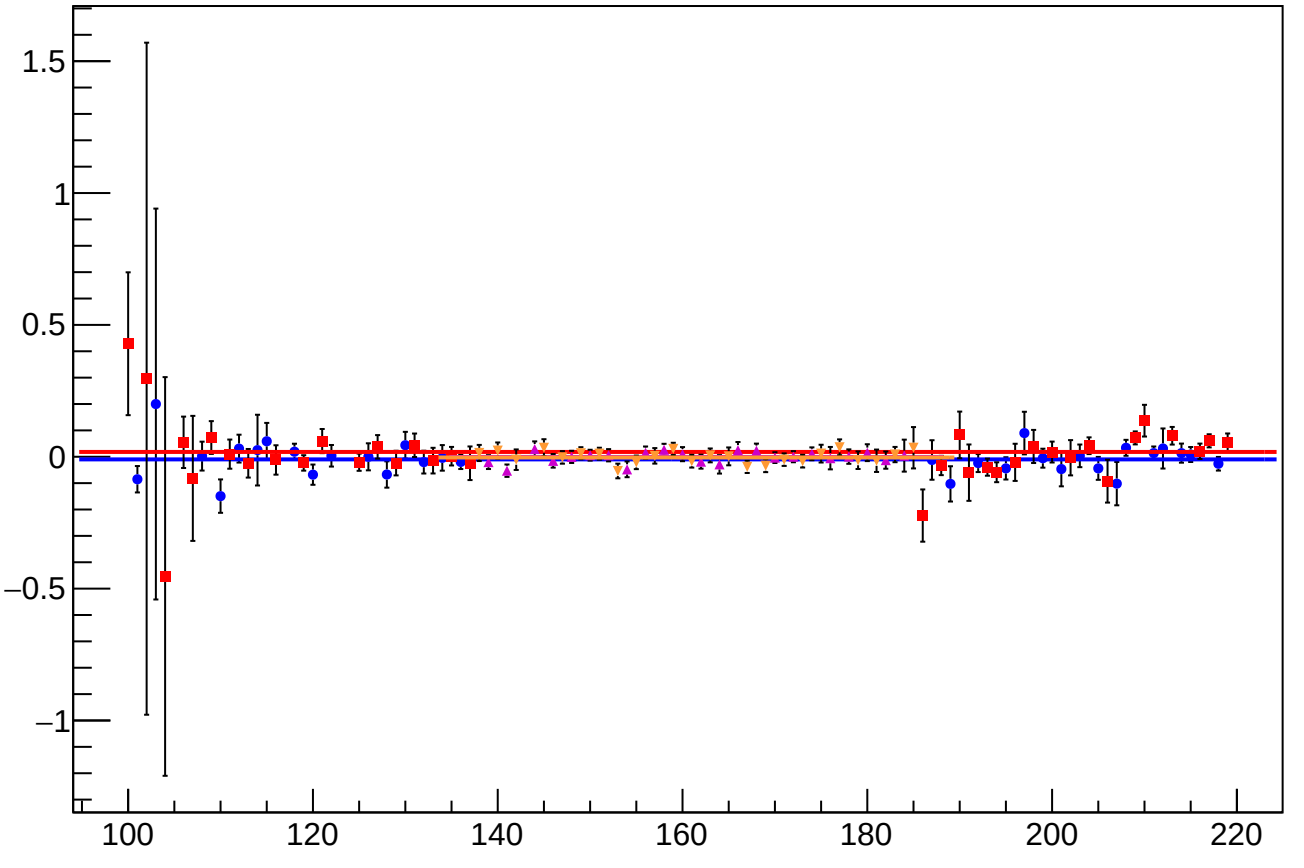
Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

Right: 0.000+/-0.000 χ^2/NDF: 13732648.1/67

In: 0.000+/-0.000 χ^2/NDF:10437415.0/54

Out: 0.000+/-0.000 χ^2/NDF:12359247.0/59

All: 0.000+/-0.000 χ^2/NDF: 22862586.3/114



Right In: -0.010+/-0.007 χ^2/NDF: 26.0/31

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.018+/-0.007 χ^2/NDF: 46.8/35

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

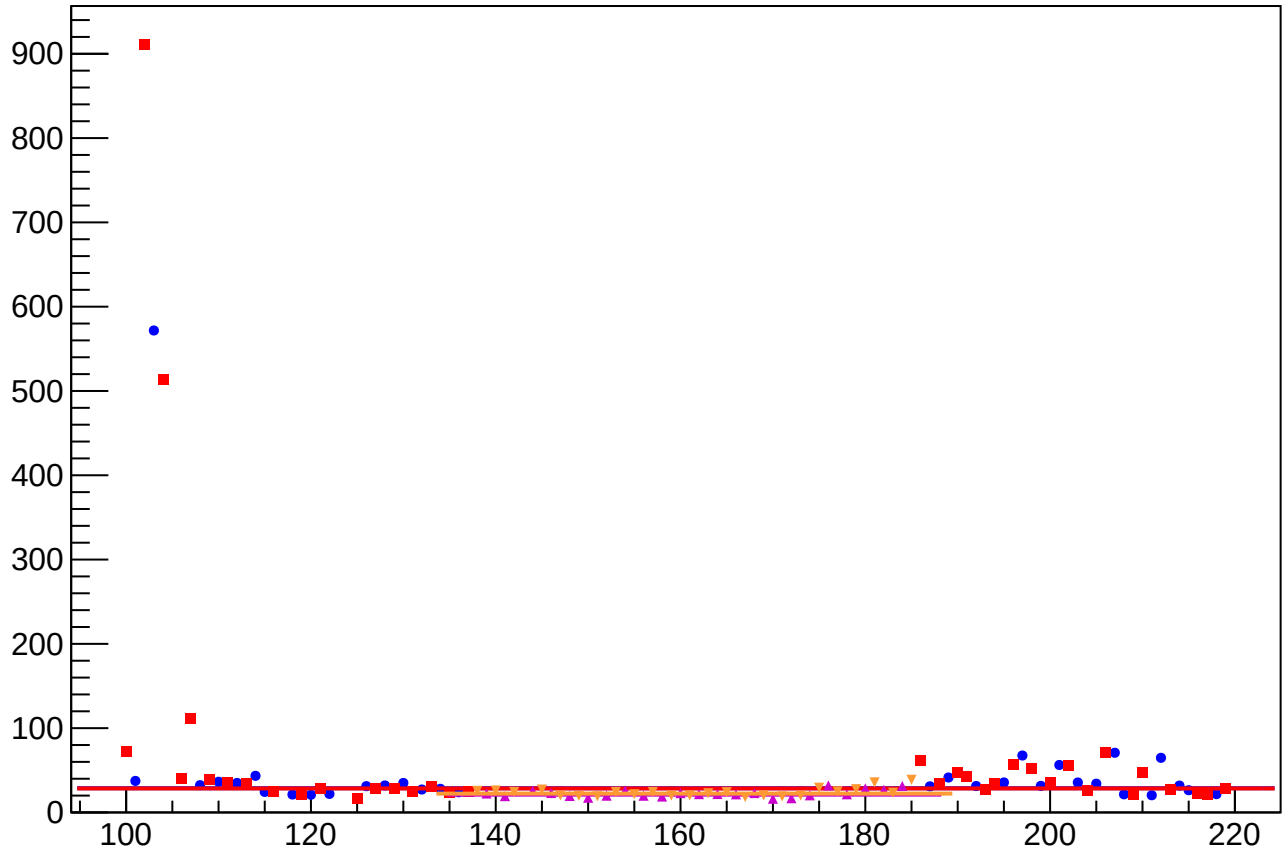
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: 0.004+/-0.005 χ^2/NDF: 80.1/67

In: -0.004+/-0.004 χ^2/NDF:41.9/54

Out: 0.005+/-0.004 χ^2/NDF:68.2/59

All: 0.000+/-0.003 χ^2/NDF: 112.3/114



Right In: 28.737+/-0.005 χ^2/NDF: 4133353.6/31

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 28.489+/-0.005 χ^2/NDF: 5334040.4/35

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

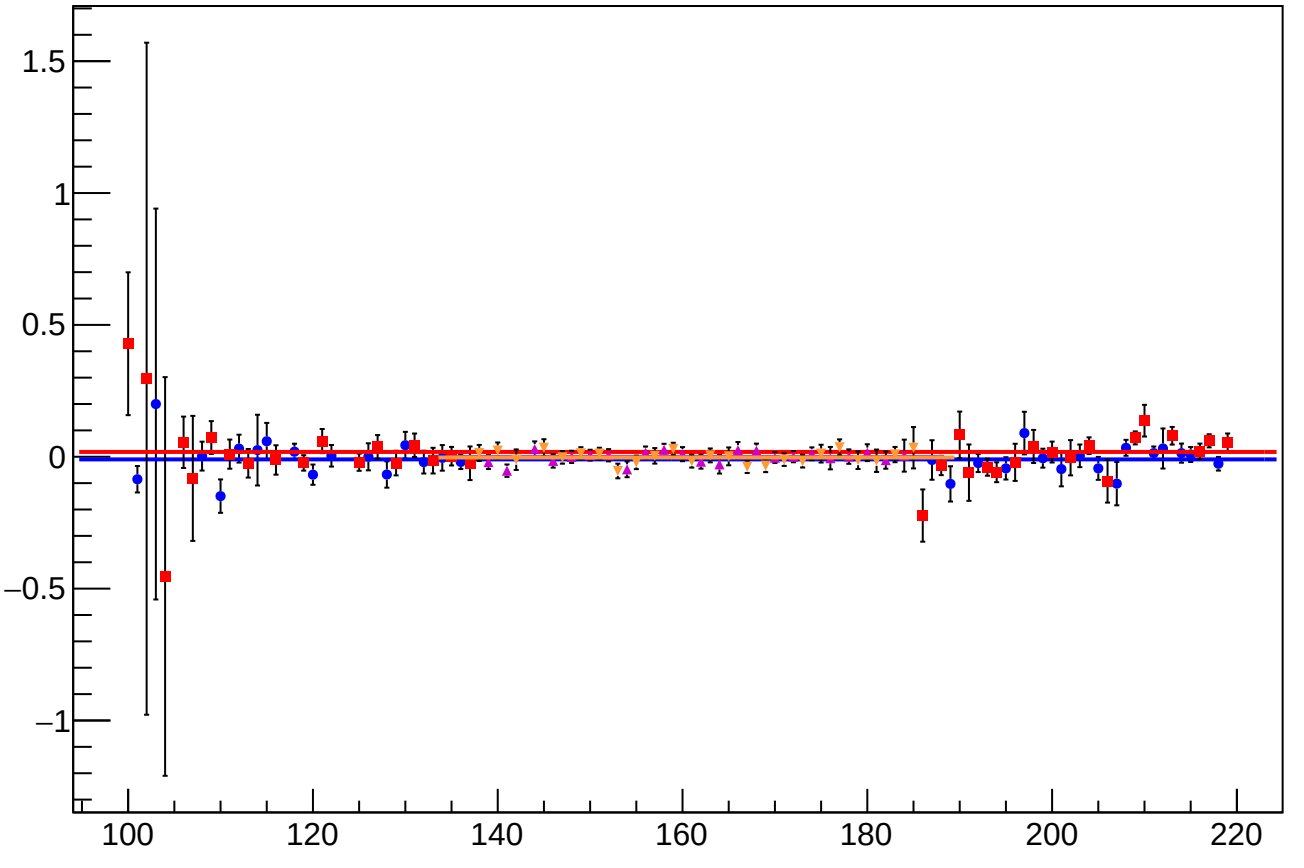
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 28.611+/-0.004 χ^2/NDF: 9468519.8/67

In: 23.775+/-0.003 χ^2/NDF:6320621.9/54

Out: 24.658+/-0.003 χ^2/NDF:7024557.9/59

All: 24.208+/-0.002 χ^2/NDF: 13384601.7/114



Right In: -0.010+/-0.007 χ^2/NDF: 26.0/31

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.018+/-0.007 χ^2/NDF: 46.8/35

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

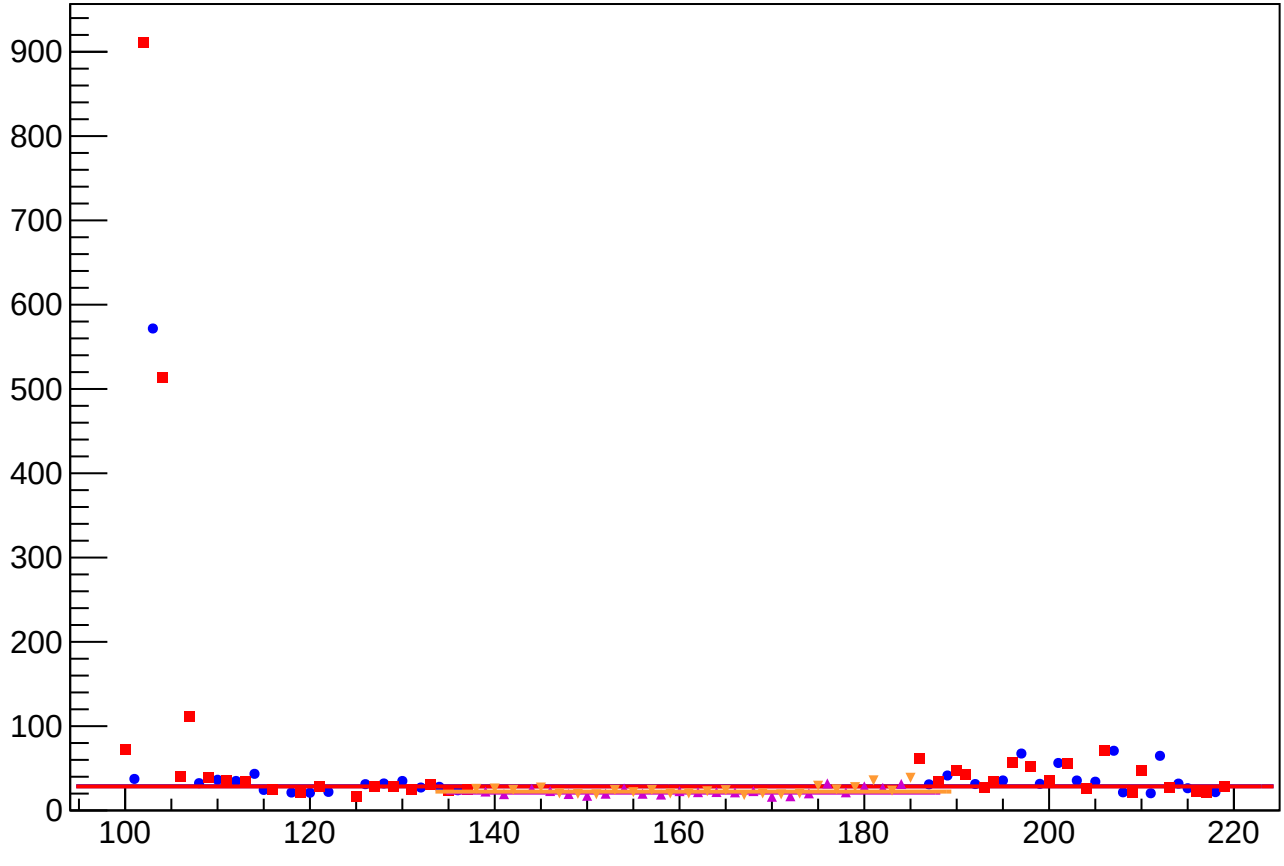
Right: 0.004+/-0.005 χ^2/NDF: 80.1/67

In: -0.004+/-0.004 χ^2/NDF:41.9/54

Out: 0.005+/-0.004 χ^2/NDF:68.2/59

All: 0.000+/-0.003 χ^2/NDF: 112.3/114

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.737+/-0.005 χ^2/NDF: 4133353.6/31

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 28.489+/-0.005 χ^2/NDF: 5334040.4/35

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

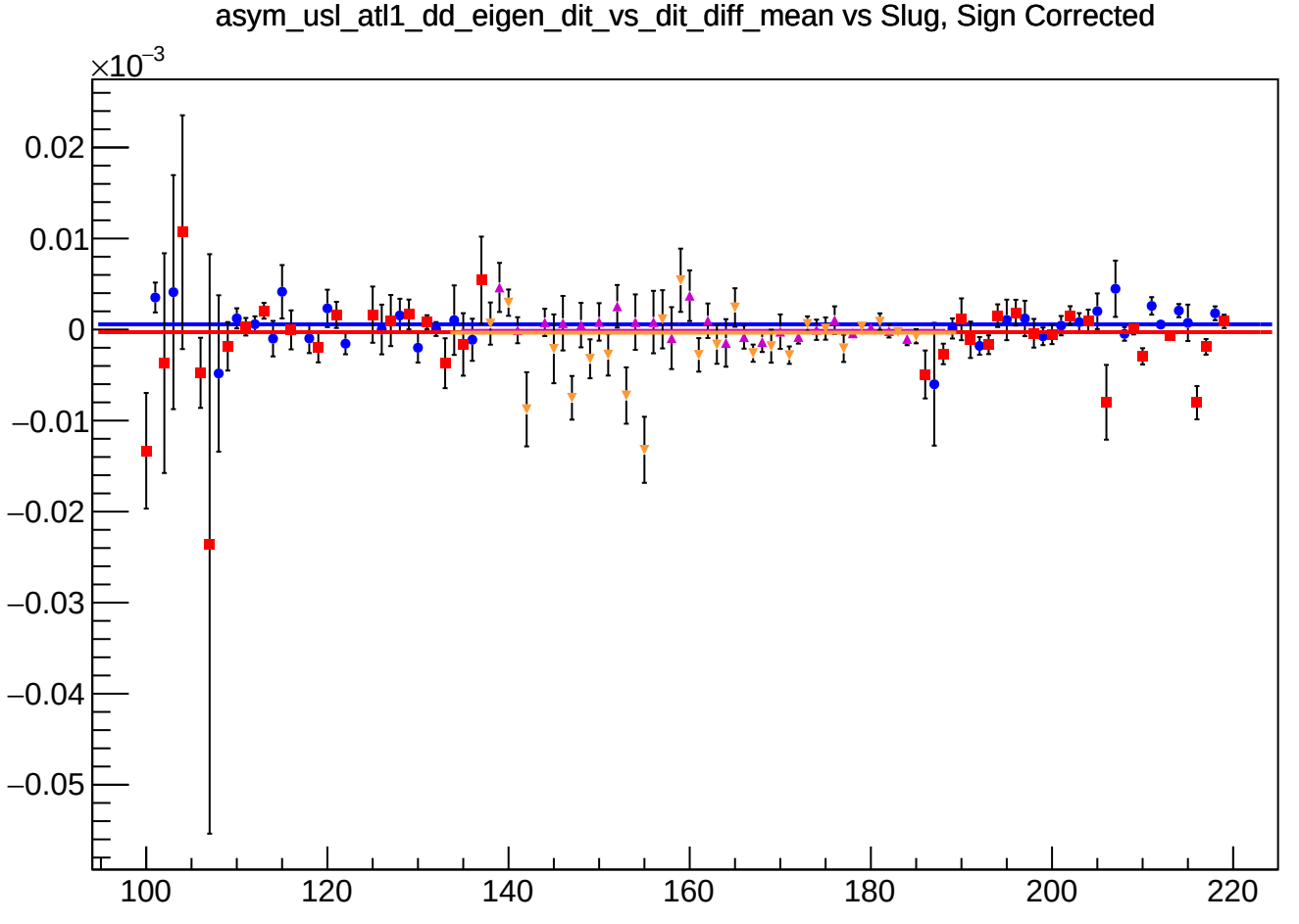
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 28.611+/-0.004 χ^2/NDF: 9468519.8/67

In: 23.775+/-0.003 χ^2/NDF:6320621.9/54

Out: 24.658+/-0.003 χ^2/NDF:7024557.9/59

All: 24.208+/-0.002 χ^2/NDF: 13384601.7/114



Right In: 0.000+/-0.000 χ^2/NDF: 39.5/31

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 81.1/35

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

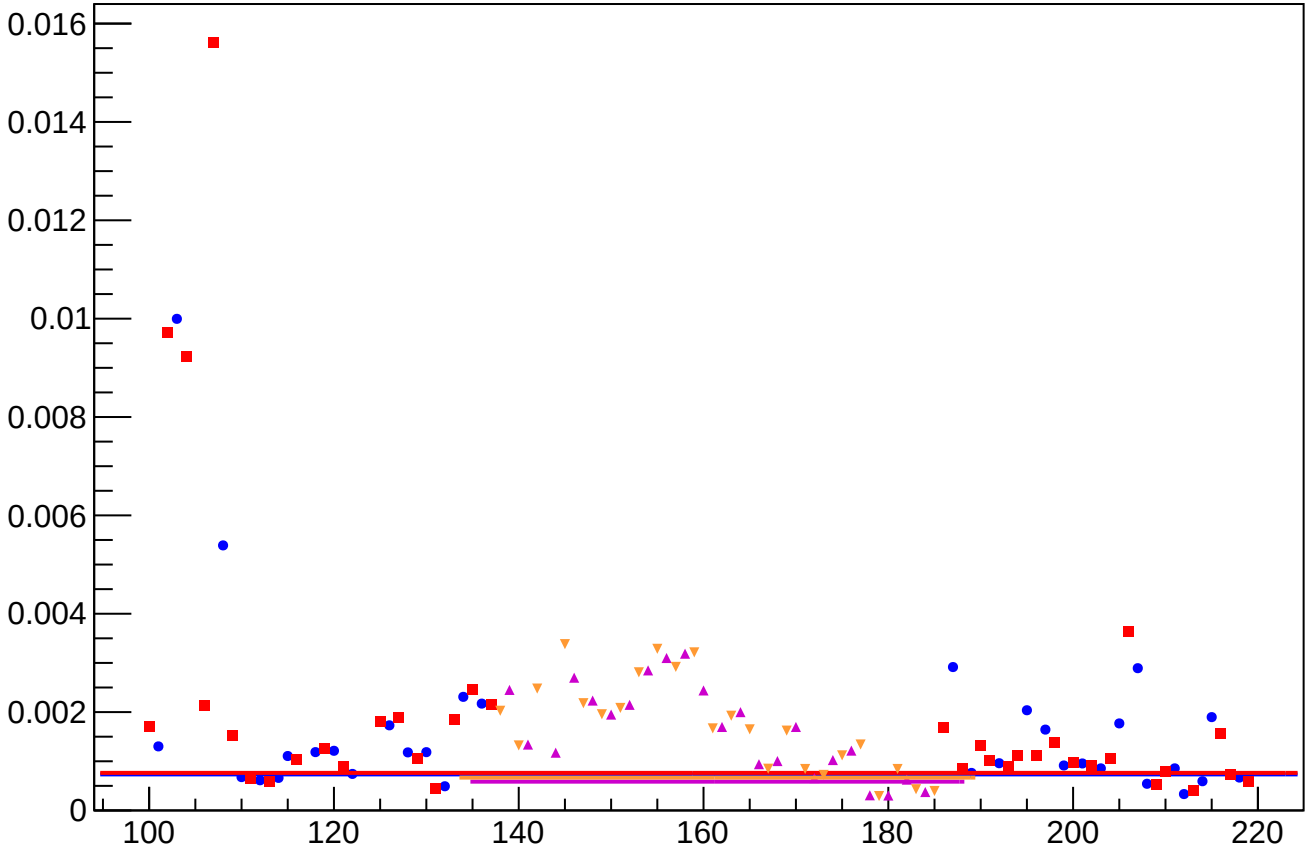
Right: 0.000+/-0.000 χ^2/NDF: 129.6/67

In: 0.000+/-0.000 χ^2/NDF:60.5/54

Out: -0.000+/-0.000 χ^2/NDF:149.2/59

All: -0.000+/-0.000 χ^2/NDF: 216.2/114

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10075095.6/31

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9317006.0/35

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

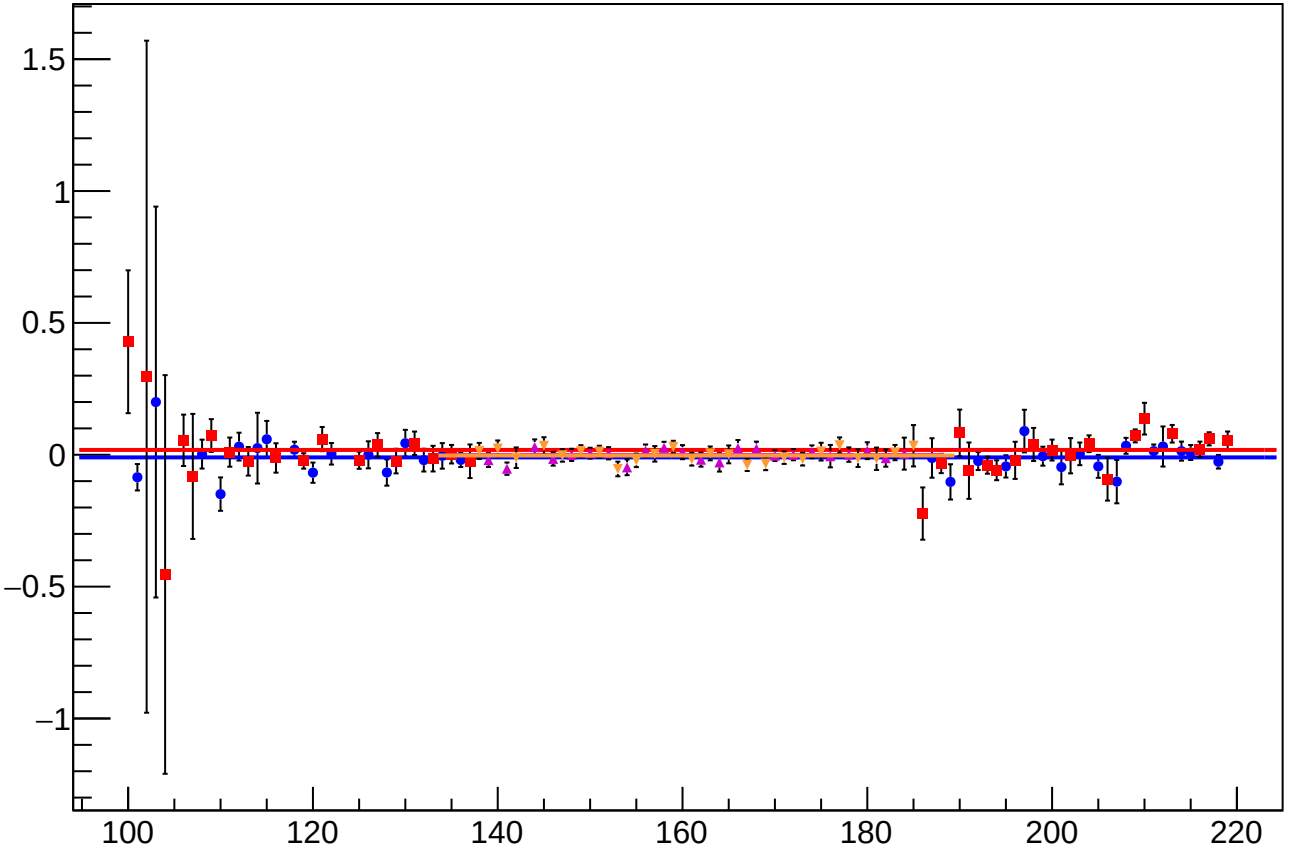
Right: 0.001+/-0.000 χ^2/NDF: 19416091.0/67

In: 0.001+/-0.000 χ^2/NDF:26318066.9/54

Out: 0.001+/-0.000 χ^2/NDF:24915152.1/59

All: 0.001+/-0.000 χ^2/NDF: 51428456.1/114

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.007 χ^2/NDF: 26.0/31

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.018+/-0.007 χ^2/NDF: 46.8/35

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

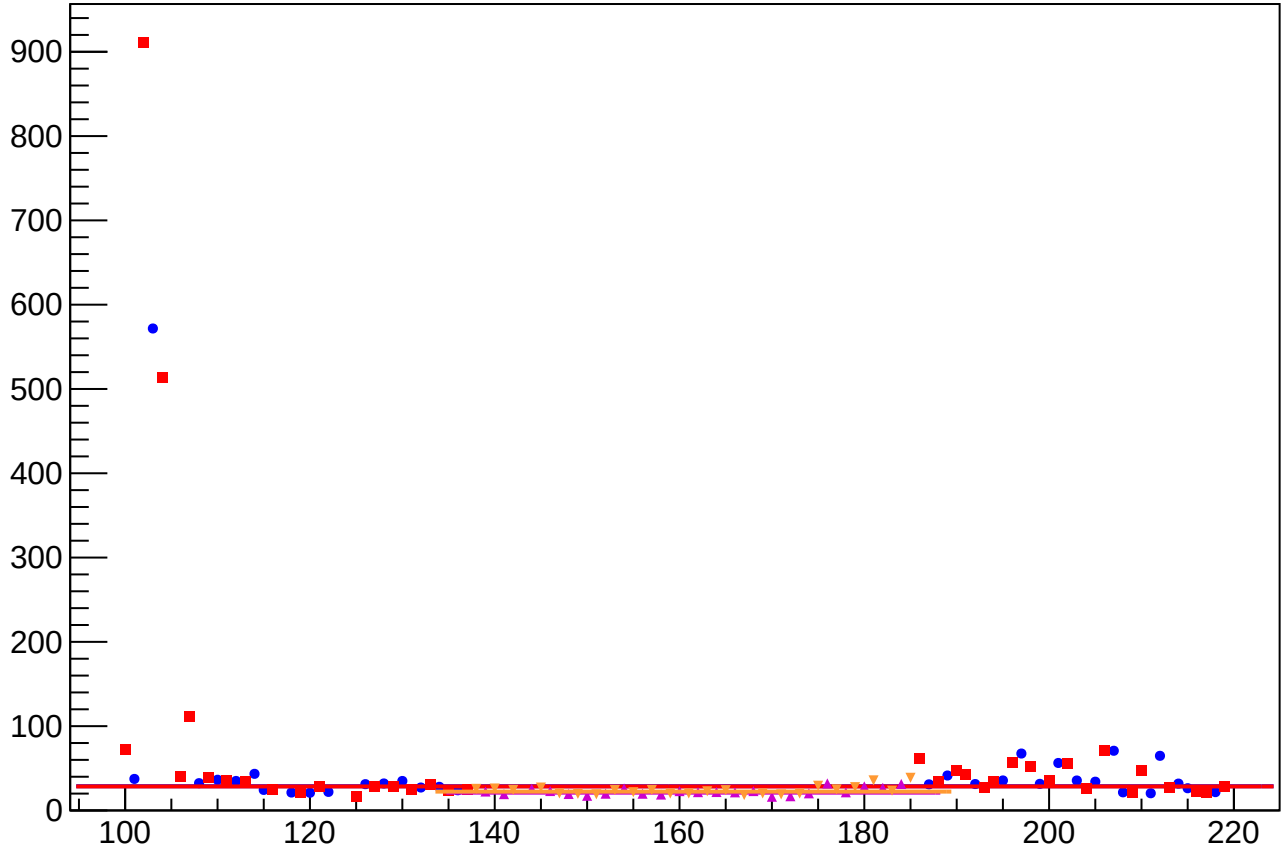
Right: 0.004+/-0.005 χ^2/NDF: 80.1/67

In: -0.004+/-0.004 χ^2/NDF:41.9/54

Out: 0.005+/-0.004 χ^2/NDF:68.2/59

All: 0.000+/-0.003 χ^2/NDF: 112.3/114

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.737+/-0.005 χ^2/NDF: 4133395.4/31

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 28.489+/-0.005 χ^2/NDF: 5334130.8/35

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

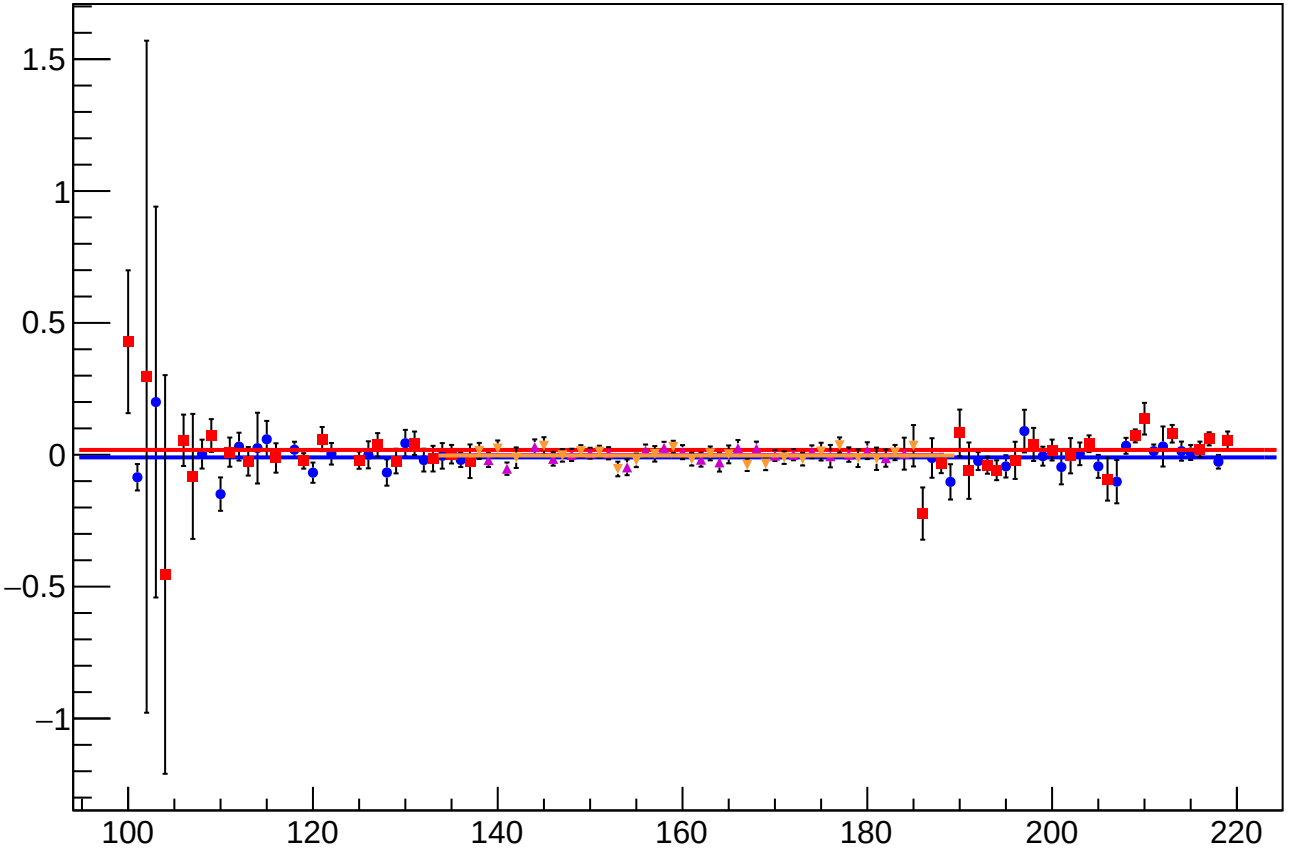
Right: 28.611+/-0.004 χ^2/NDF: 9468653.0/67

In: 23.775+/-0.003 χ^2/NDF:6320706.8/54

Out: 24.658+/-0.003 χ^2/NDF:7024626.7/59

All: 24.208+/-0.002 χ^2/NDF: 13384751.7/114

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.007 χ^2/NDF: 26.0/31

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.018+/-0.007 χ^2/NDF: 46.8/35

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

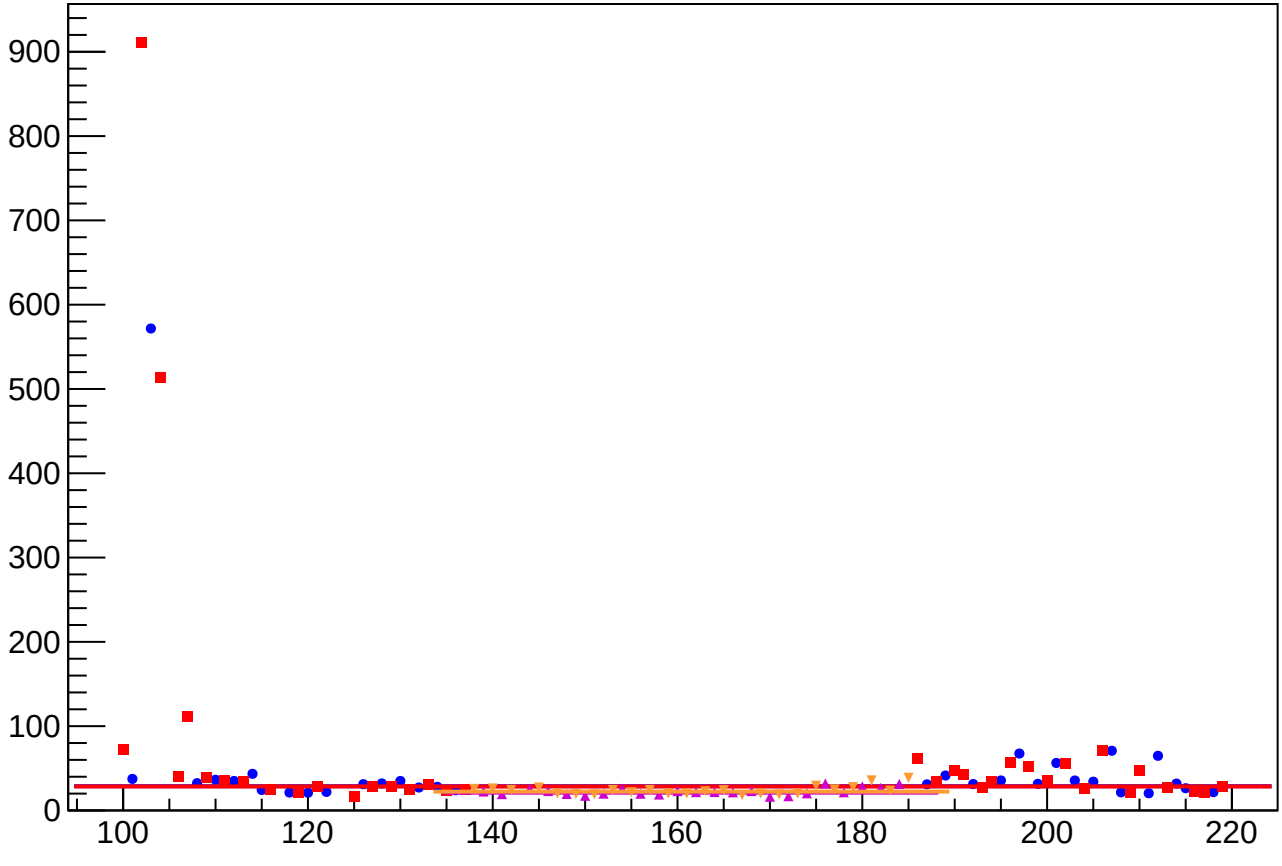
Right: 0.004+/-0.005 χ^2/NDF: 80.1/67

In: -0.004+/-0.004 χ^2/NDF:41.9/54

Out: 0.005+/-0.004 χ^2/NDF:68.2/59

All: 0.000+/-0.003 χ^2/NDF: 112.3/114

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.737+/-0.005 χ^2/NDF: 4133395.4/31

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 28.489+/-0.005 χ^2/NDF: 5334130.8/35

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

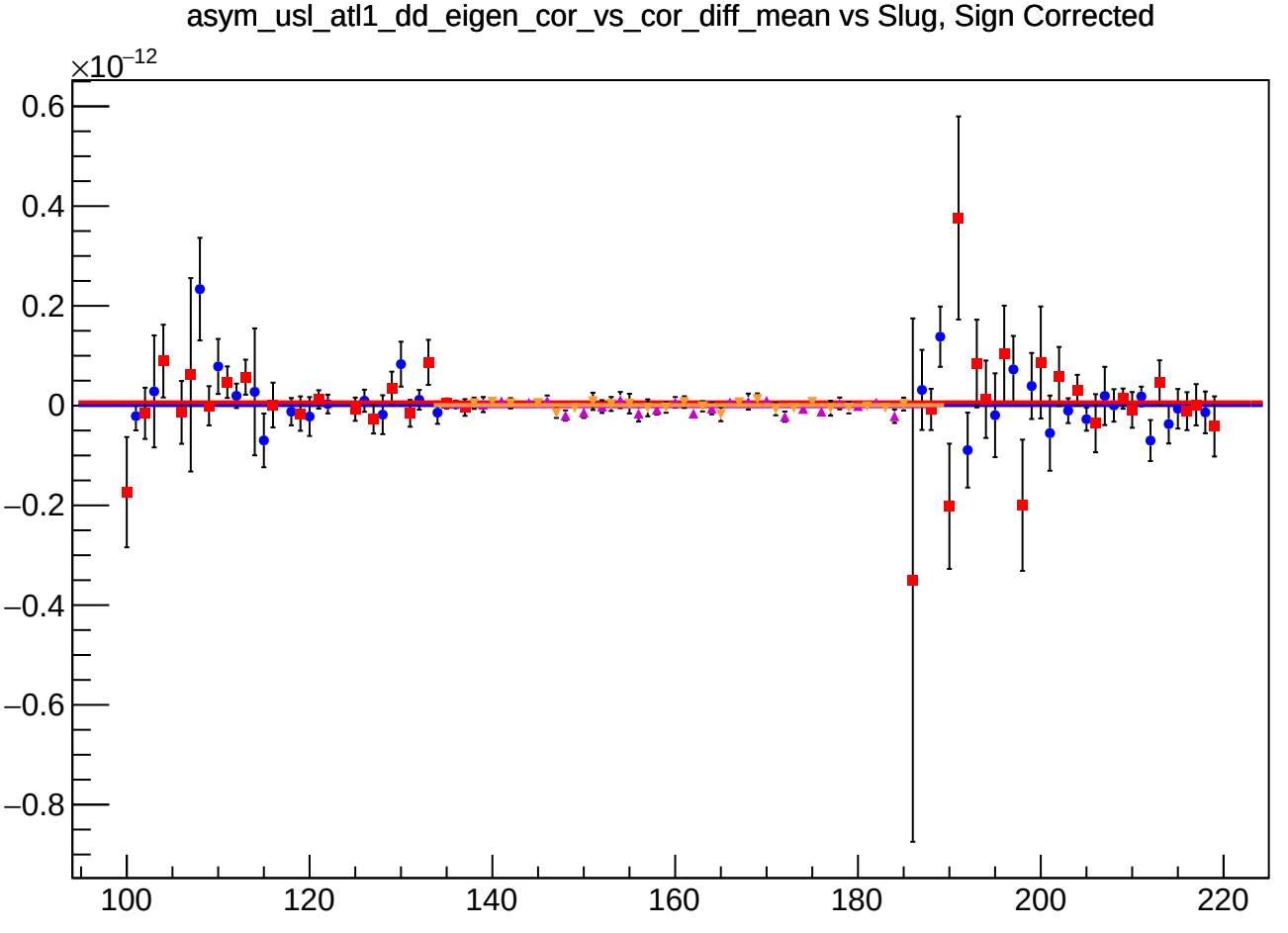
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 28.611+/-0.004 χ^2/NDF: 9468653.0/67

In: 23.775+/-0.003 χ^2/NDF:6320706.8/54

Out: 24.658+/-0.003 χ^2/NDF:7024626.7/59

All: 24.208+/-0.002 χ^2/NDF: 13384751.7/114



Right In: 0.000+/-0.000 χ^2/NDF: 30.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 30.6/35

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

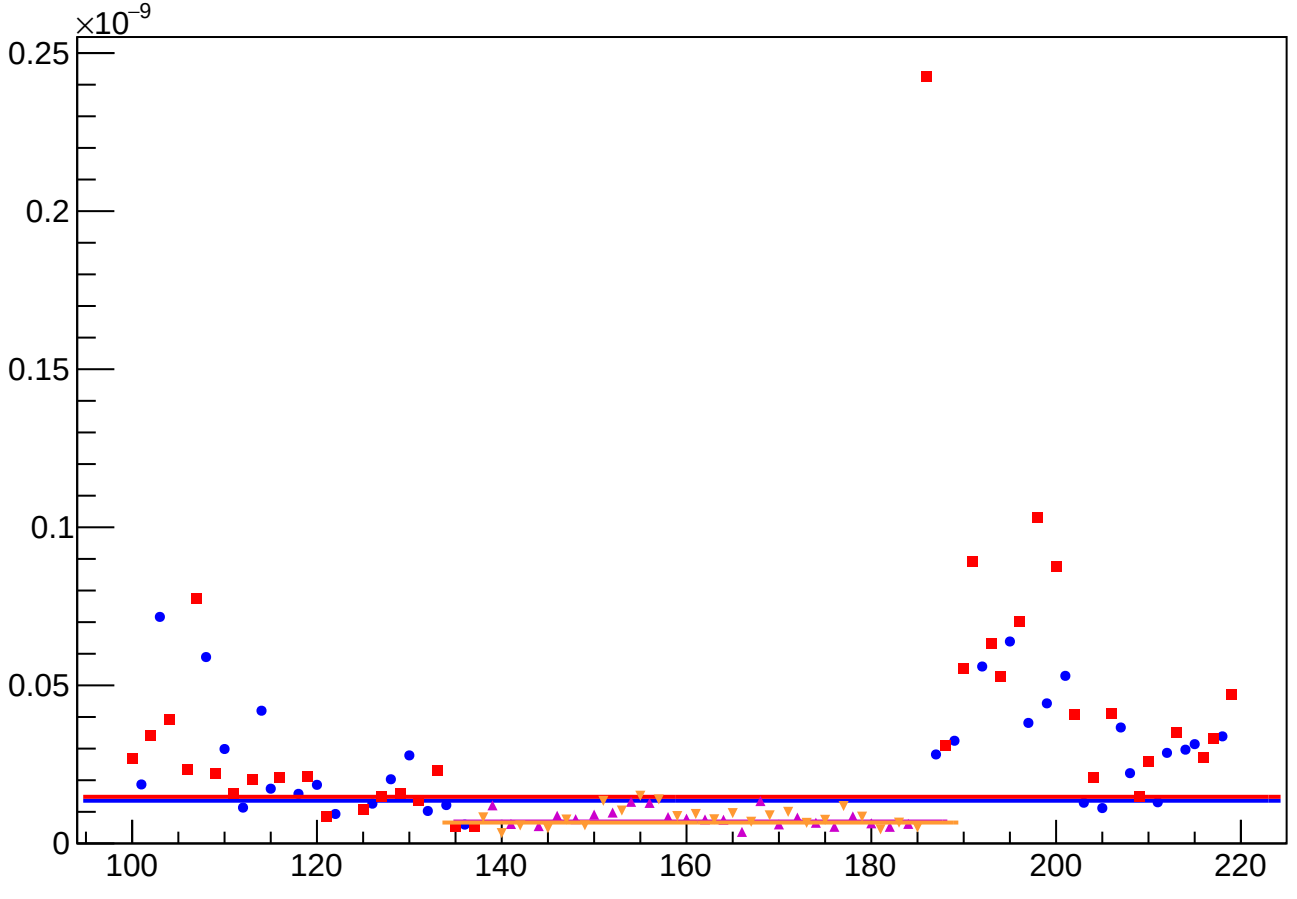
Right: 0.000+/-0.000 χ^2/NDF: 61.8/67

In: -0.000+/-0.000 χ^2/NDF:56.6/54

Out: 0.000+/-0.000 χ^2/NDF:43.1/59

All: 0.000+/-0.000 χ^2/NDF: 100.7/114

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8205479.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11038035.9/35

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

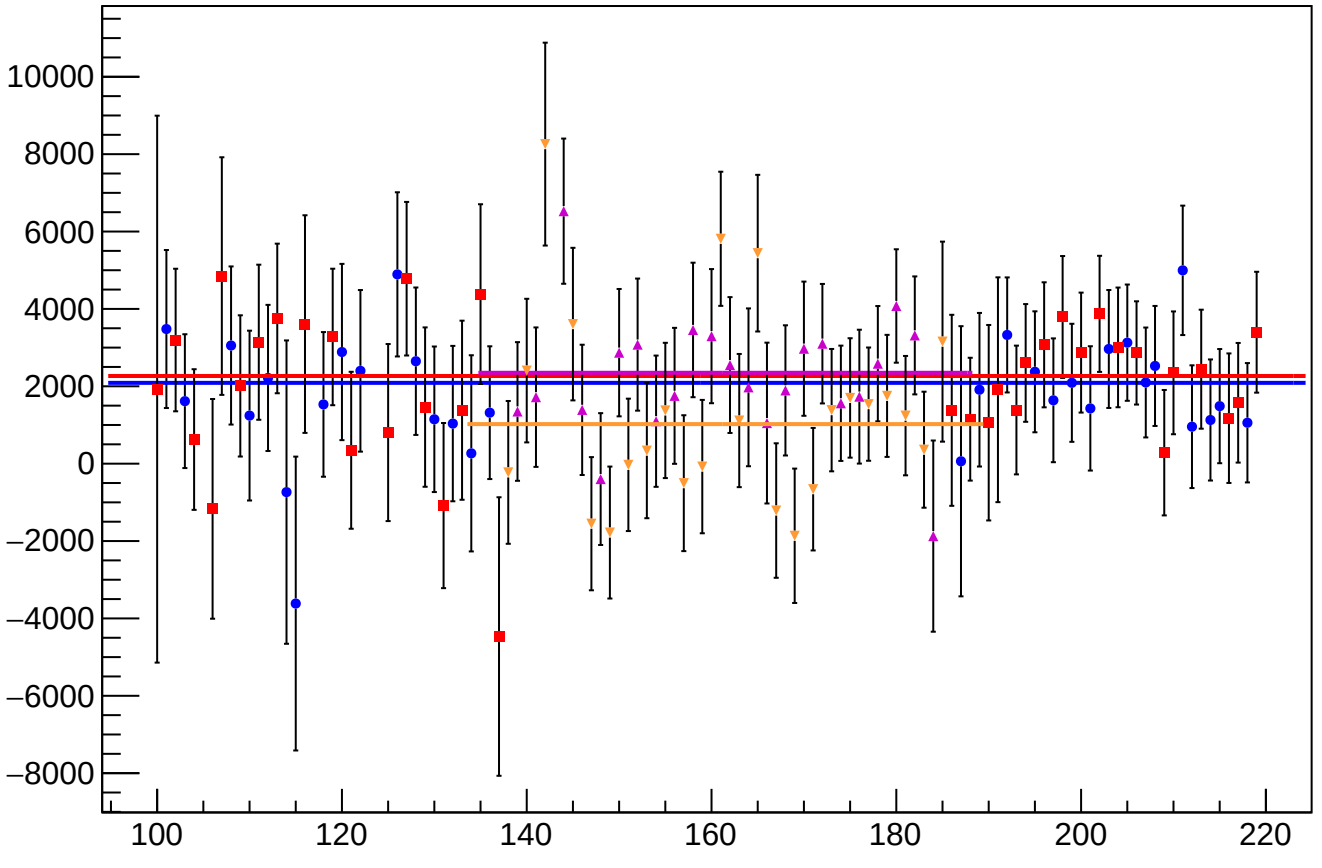
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 19302046.4/67

In: 0.000+/-0.000 χ^2/NDF:13580235.7/54

Out: 0.000+/-0.000 χ^2/NDF:18587465.6/59

All: 0.000+/-0.000 χ^2/NDF: 32194301.9/114



Right In: 2089.126+/-317.829 χ^2/NDF: 13.7/31

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 2266.520+/-310.923 χ^2/NDF: 21.4/35

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

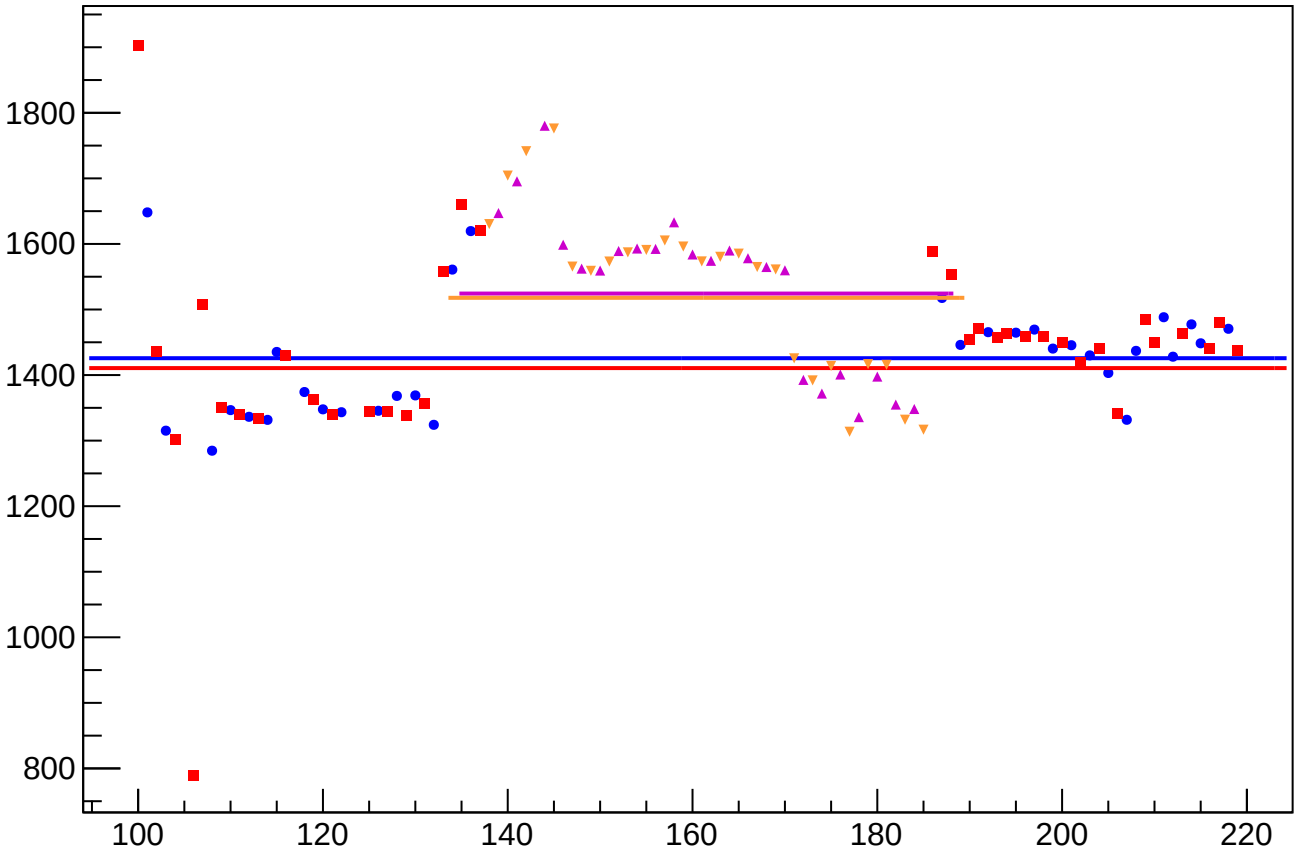
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 2179.771+/-222.257 χ^2/NDF: 35.3/67

In: 2204.088+/-237.405 χ^2/NDF:30.0/54

Out: 1723.876+/-233.454 χ^2/NDF:64.8/59

All: 1959.953+/-166.456 χ^2/NDF: 96.9/114



Right In: 1425.725+/-0.225 χ^2/NDF: 122185.7/31

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1410.633+/-0.217 χ^2/NDF: 415417.9/35

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

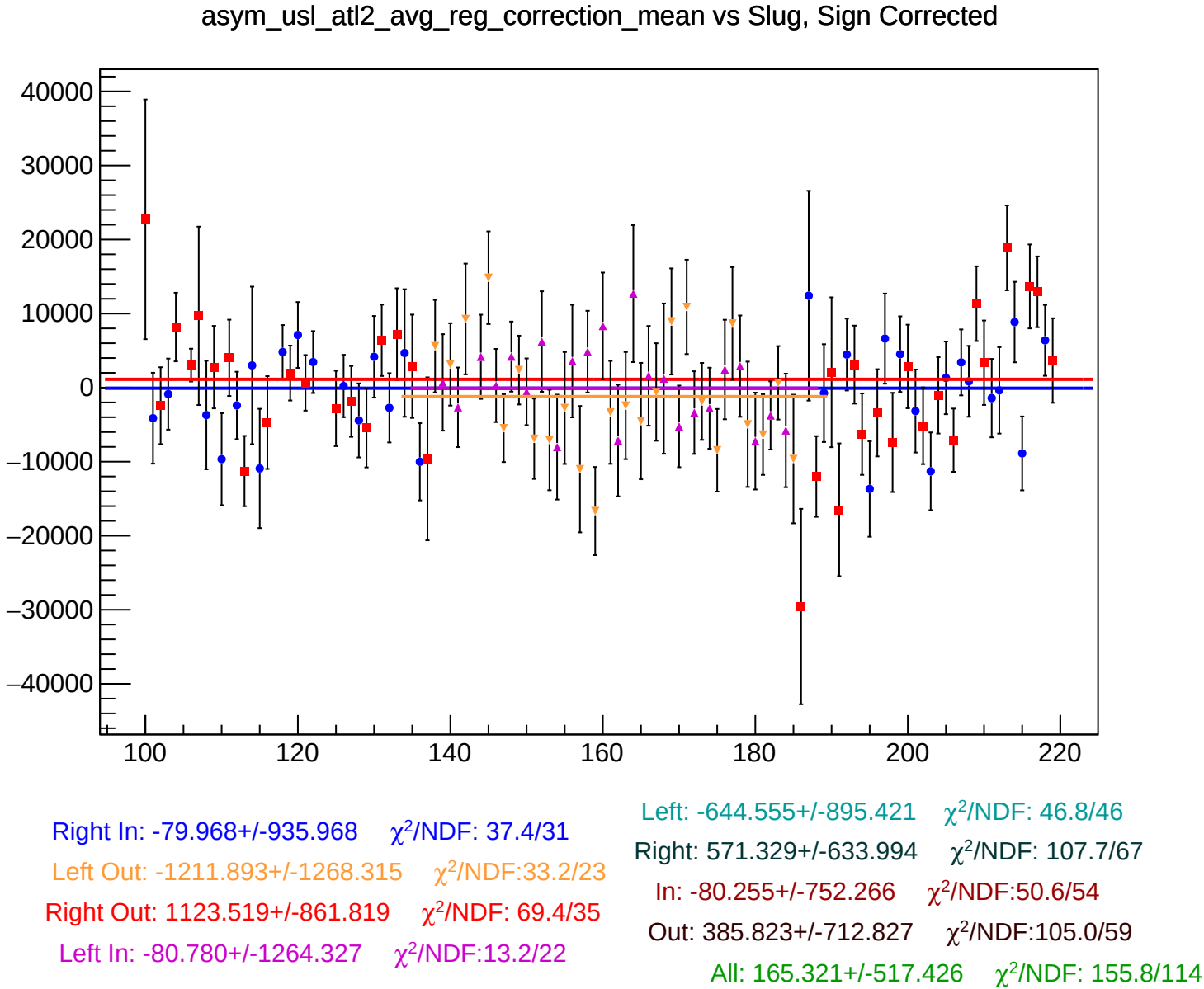
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

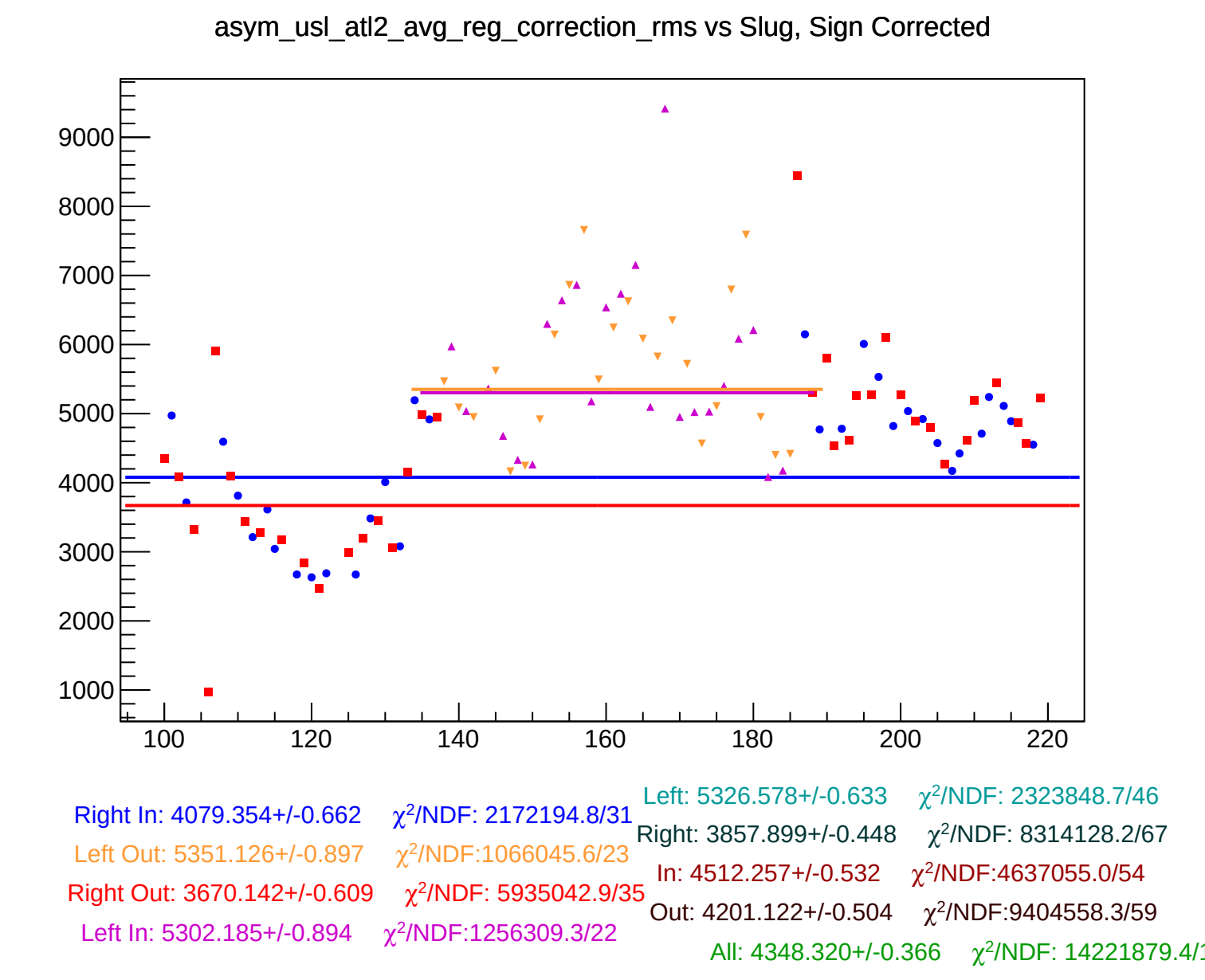
Right: 1417.926+/-0.156 χ^2/NDF: 539934.2/67

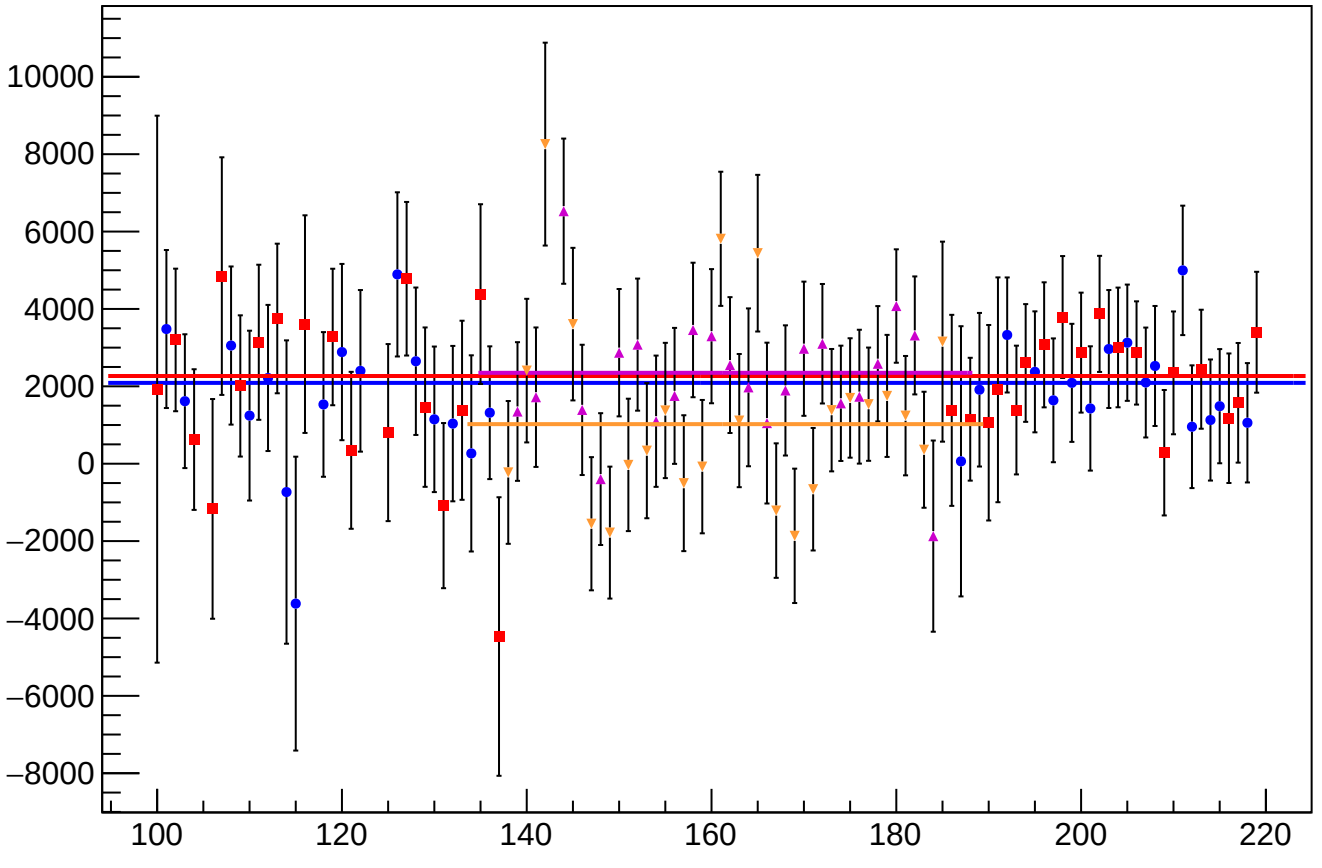
In: 1469.307+/-0.168 χ^2/NDF:431576.3/54

Out: 1456.778+/-0.164 χ^2/NDF:754105.4/59

All: 1462.896+/-0.117 χ^2/NDF: 1188531.8/1


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -79.968+/-935.968 χ²/NDF: 37.4/31
Left Out: -1211.893+/-1268.315 χ²/NDF:33.2/23
Right Out: 1123.519+/-861.819 χ²/NDF: 69.4/35
Left In: -80.780+/-1264.327 χ²/NDF:13.2/22
Left: -644.555+/-895.421 χ²/NDF: 46.8/46
Right: 571.329+/-633.994 χ²/NDF: 107.7/67
In: -80.255+/-752.266 χ²/NDF:50.6/54
Out: 385.823+/-712.827 χ²/NDF:105.0/59
All: 165.321+/-517.426 χ²/NDF: 155.8/114


asym_usl_atl2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 4079.354+/-0.662 χ²/NDF: 2172194.8/31
Left Out: 5351.126+/-0.897 χ²/NDF:1066045.6/23
Right Out: 3670.142+/-0.609 χ²/NDF: 5935042.9/35
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 3857.899+/-0.448 χ²/NDF: 8314128.2/67
In: 4512.257+/-0.532 χ²/NDF:4637055.0/54
Out: 4201.122+/-0.504 χ²/NDF:9404558.3/59
All: 4348.320+/-0.366 χ²/NDF: 14221879.4/1



Right In: 2089.102+/-317.829 χ^2/NDF: 13.7/31

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2266.586+/-310.924 χ^2/NDF: 21.4/35

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

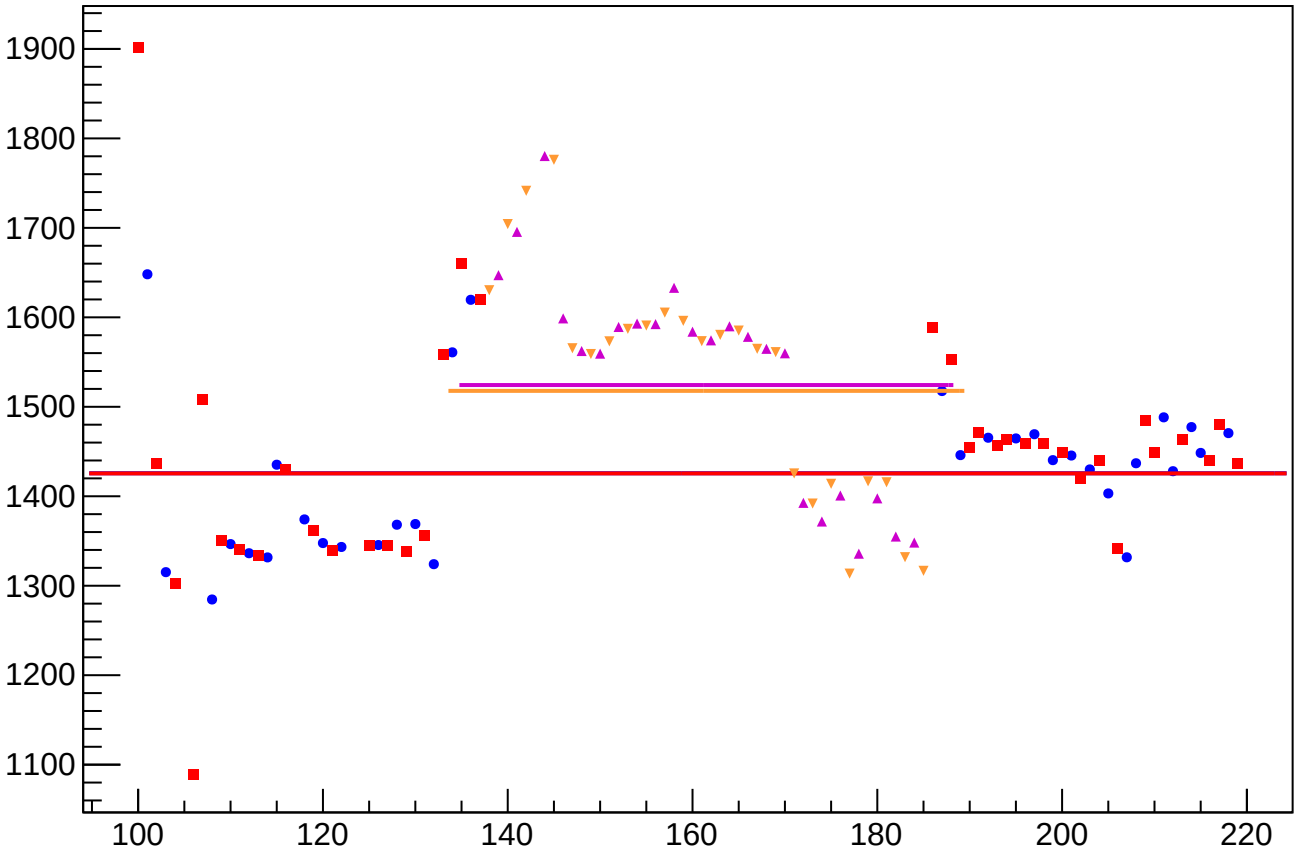
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2179.793+/-222.258 χ^2/NDF: 35.3/67

In: 2204.073+/-237.405 χ^2/NDF:30.0/54

Out: 1723.925+/-233.454 χ^2/NDF:64.8/59

All: 1959.971+/-166.456 χ^2/NDF: 96.9/114



Right In: 1425.725+/-0.225 χ^2/NDF: 122185.7/31

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1425.543+/-0.219 χ^2/NDF: 174304.1/35

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

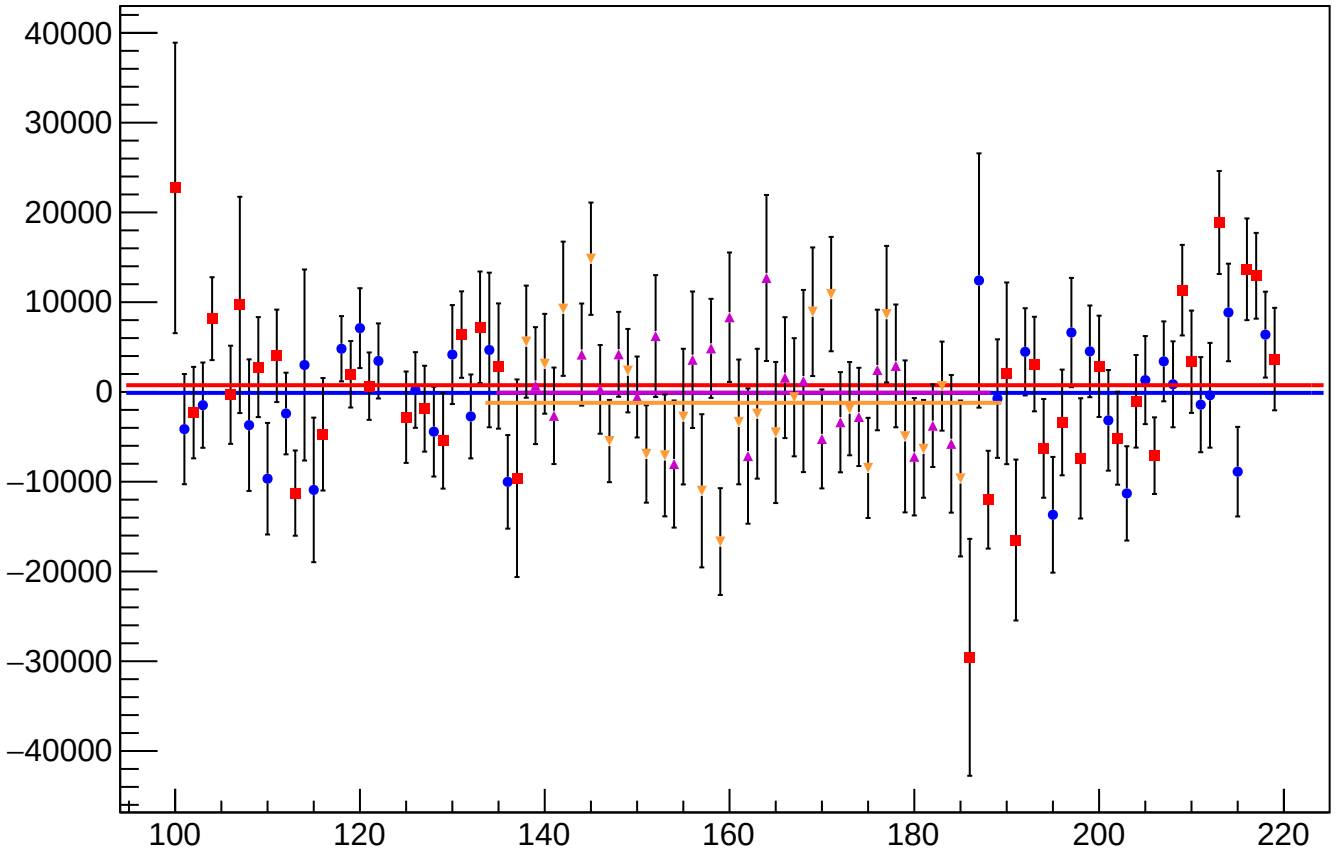
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1425.632+/-0.157 χ^2/NDF: 296490.2/67

In: 1469.307+/-0.168 χ^2/NDF:431576.4/54

Out: 1465.577+/-0.165 χ^2/NDF:485426.1/59

All: 1467.405+/-0.118 χ^2/NDF: 917254.2/114



Right In: -103.988+/-935.596 χ^2/NDF: 37.5/31

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: 752.085+/-921.513 χ^2/NDF: 68.5/35

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

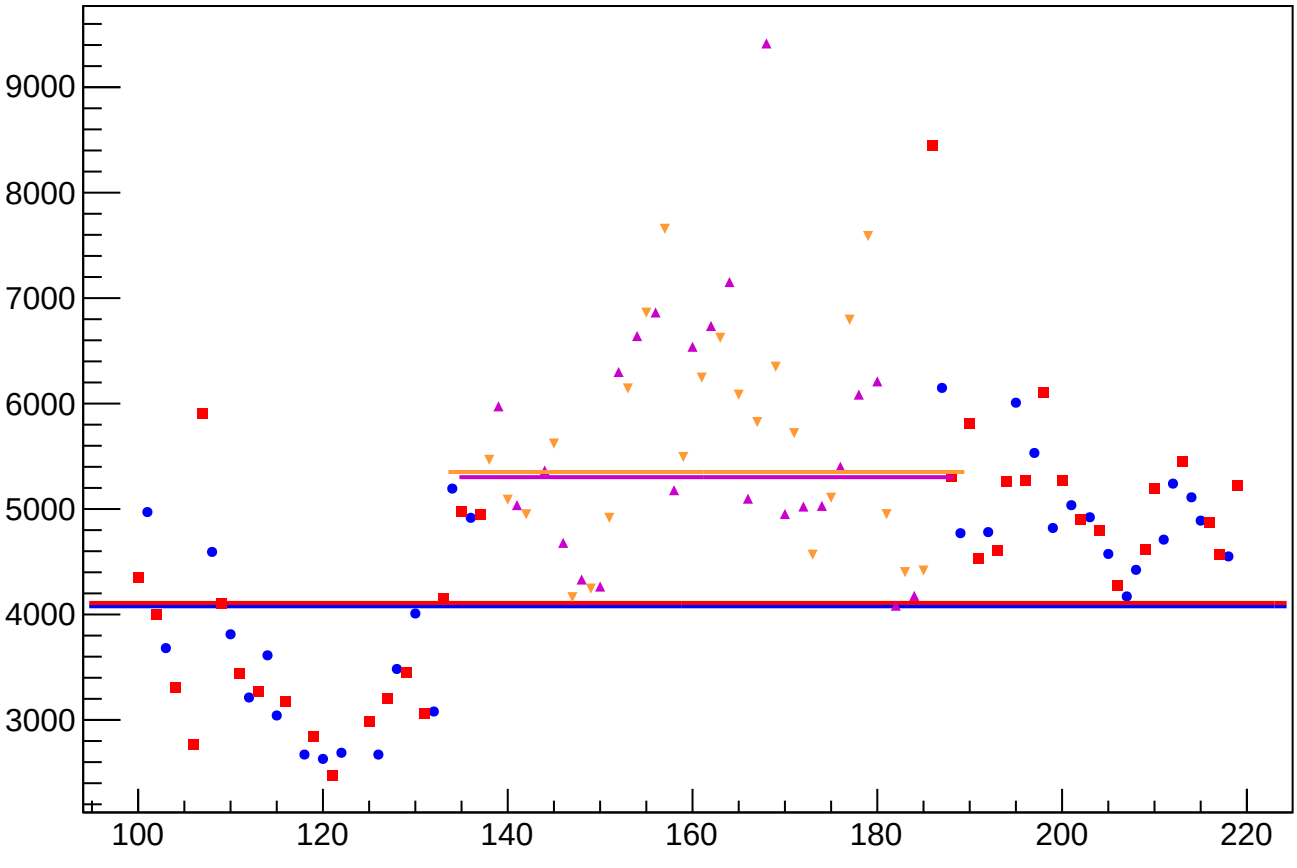
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: 330.540+/-656.531 χ^2/NDF: 106.5/67

In: -95.744+/-752.073 χ^2/NDF:50.7/54

Out: 73.522+/-745.512 χ^2/NDF:103.4/59

All: -10.370+/-529.461 χ^2/NDF: 154.1/114



Right In: 4077.749+/-0.662 χ^2/NDF: 2174605.4/31

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 4109.752+/-0.652 χ^2/NDF: 2554419.8/35

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

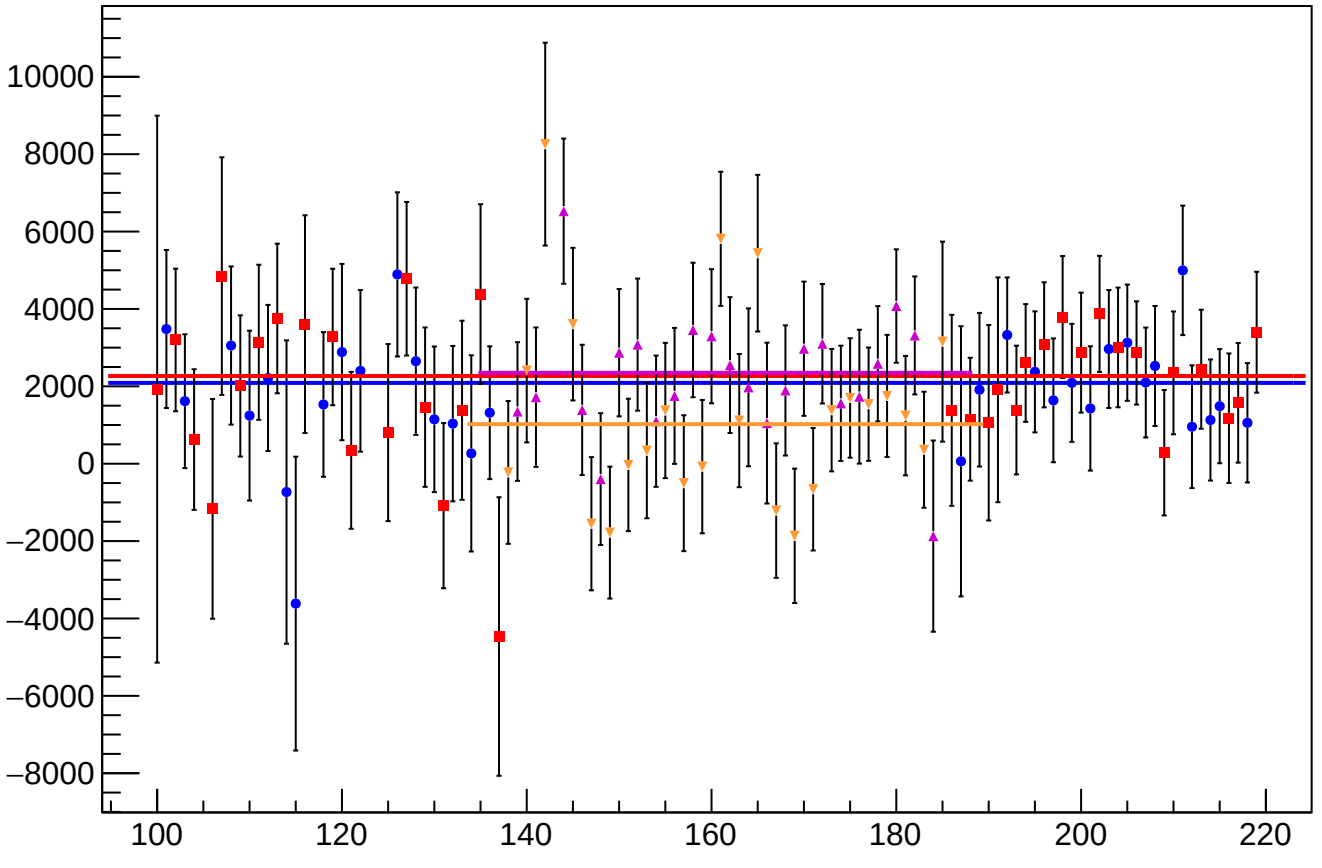
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 4093.993+/-0.464 χ^2/NDF: 4730213.0/67

In: 4510.996+/-0.532 χ^2/NDF:4642982.3/54

Out: 4538.655+/-0.527 χ^2/NDF:4874437.7/59

All: 4524.947+/-0.374 χ^2/NDF: 9518784.5/11



Right In: 2089.102+/-317.829 χ^2/NDF: 13.7/31

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2266.586+/-310.924 χ^2/NDF: 21.4/35

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

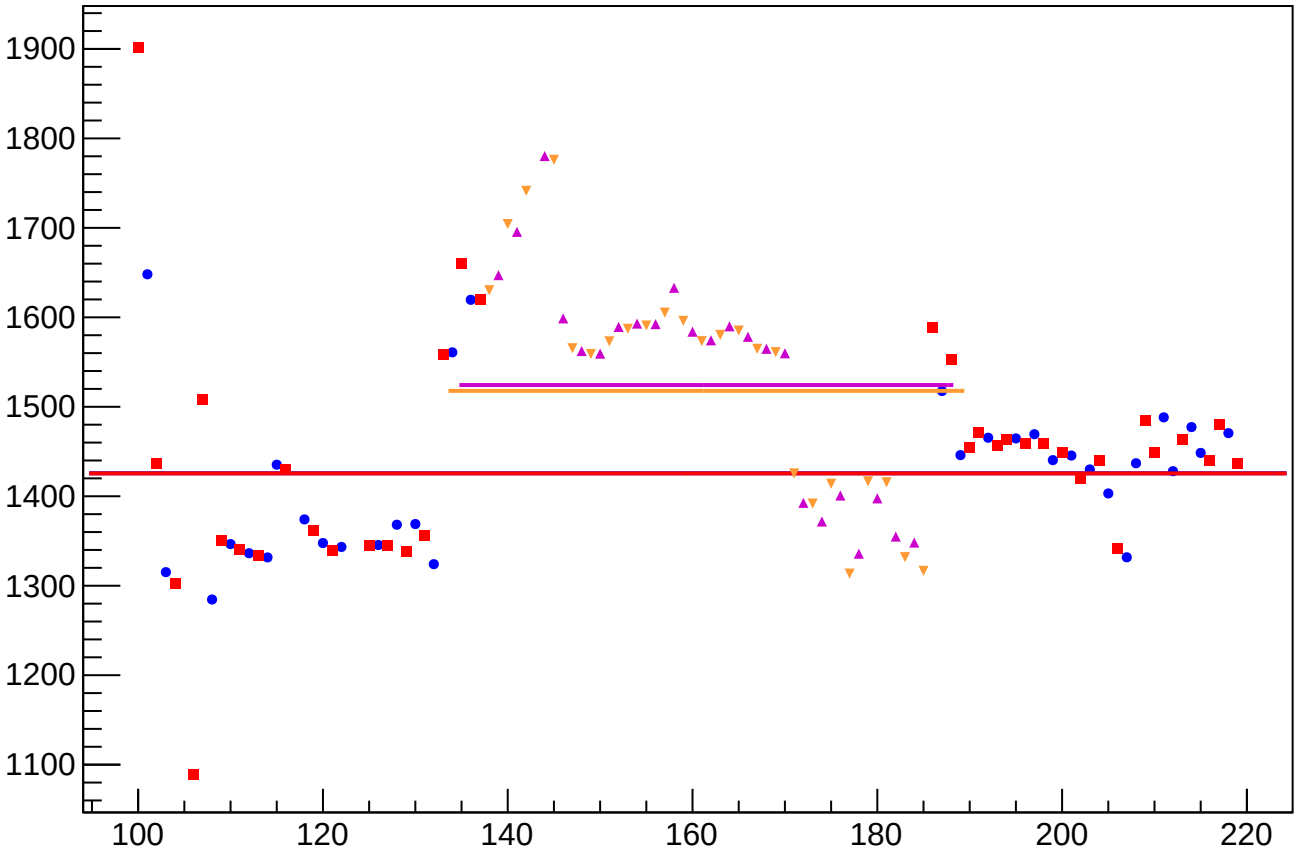
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2179.793+/-222.258 χ^2/NDF: 35.3/67

In: 2204.073+/-237.405 χ^2/NDF:30.0/54

Out: 1723.925+/-233.454 χ^2/NDF:64.8/59

All: 1959.971+/-166.456 χ^2/NDF: 96.9/114



Right In: 1425.725+/-0.225 χ^2/NDF: 122185.7/31

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1425.543+/-0.219 χ^2/NDF: 174304.1/35

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

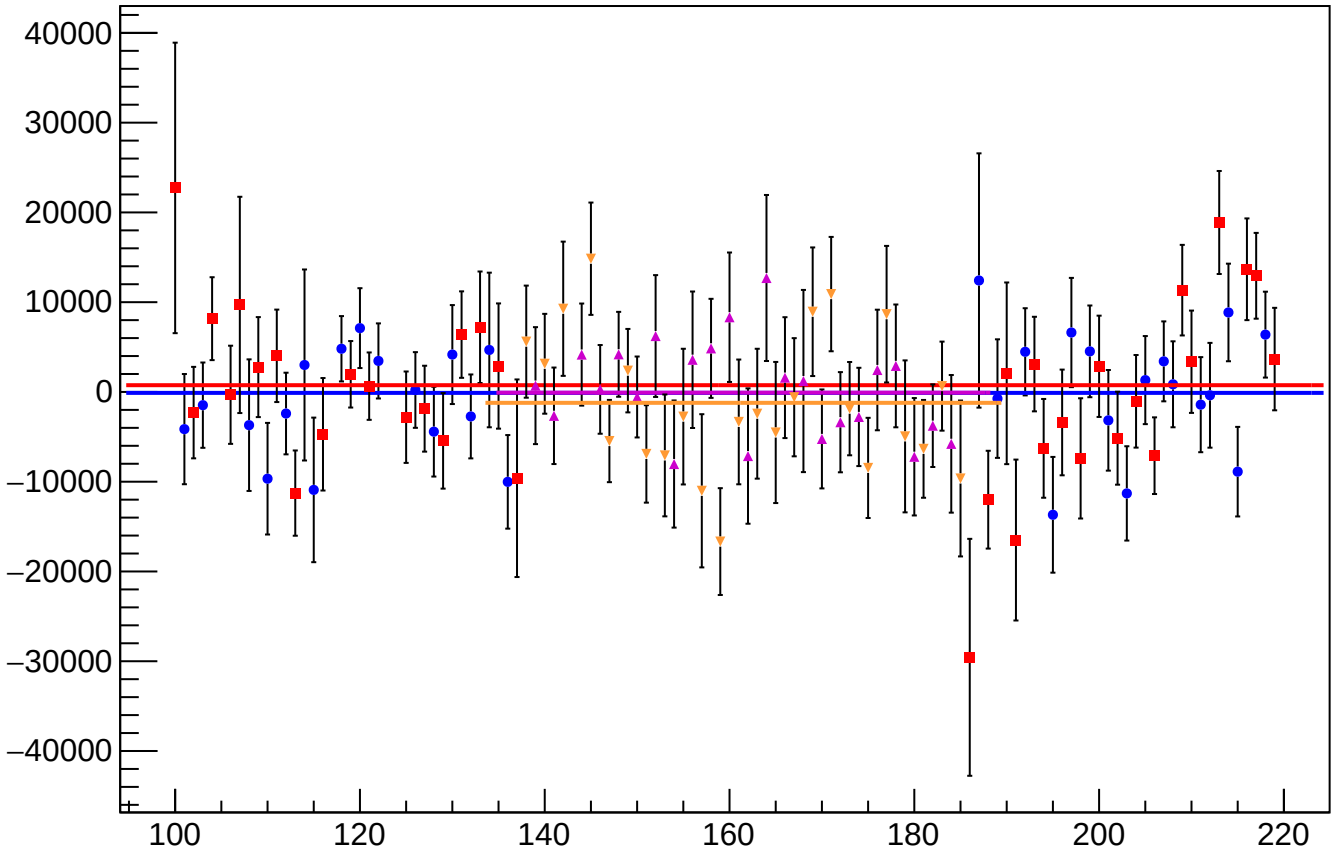
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1425.632+/-0.157 χ^2/NDF: 296490.2/67

In: 1469.307+/-0.168 χ^2/NDF:431576.4/54

Out: 1465.577+/-0.165 χ^2/NDF:485426.1/59

All: 1467.405+/-0.118 χ^2/NDF: 917254.2/114



Right In: -103.988+/-935.596 χ^2/NDF: 37.5/31

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: 752.085+/-921.513 χ^2/NDF: 68.5/35

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

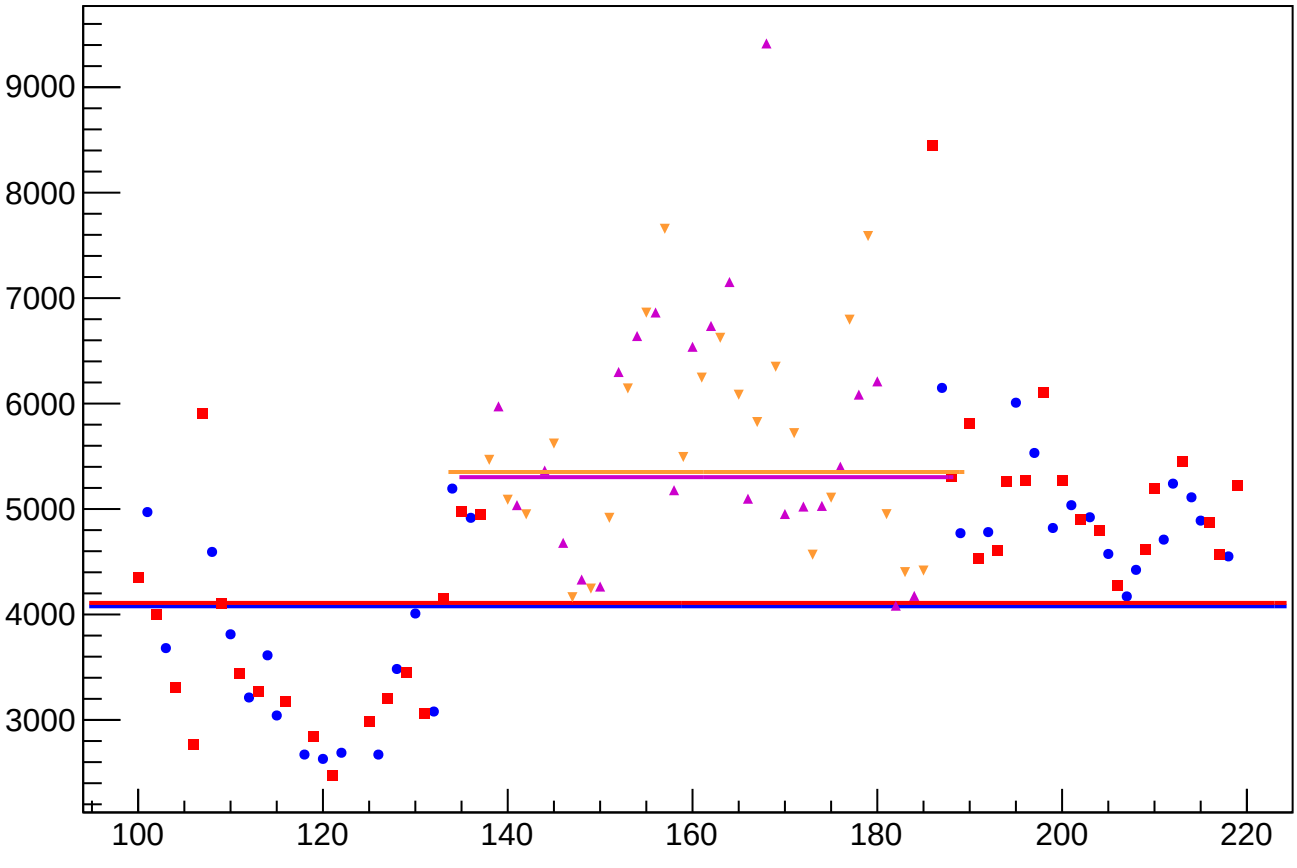
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: 330.540+/-656.531 χ^2/NDF: 106.5/67

In: -95.744+/-752.073 χ^2/NDF:50.7/54

Out: 73.522+/-745.512 χ^2/NDF:103.4/59

All: -10.370+/-529.461 χ^2/NDF: 154.1/114



Right In: 4077.749+/-0.662 χ^2/NDF: 2174605.4/31

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 4109.752+/-0.652 χ^2/NDF: 2554419.8/35

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

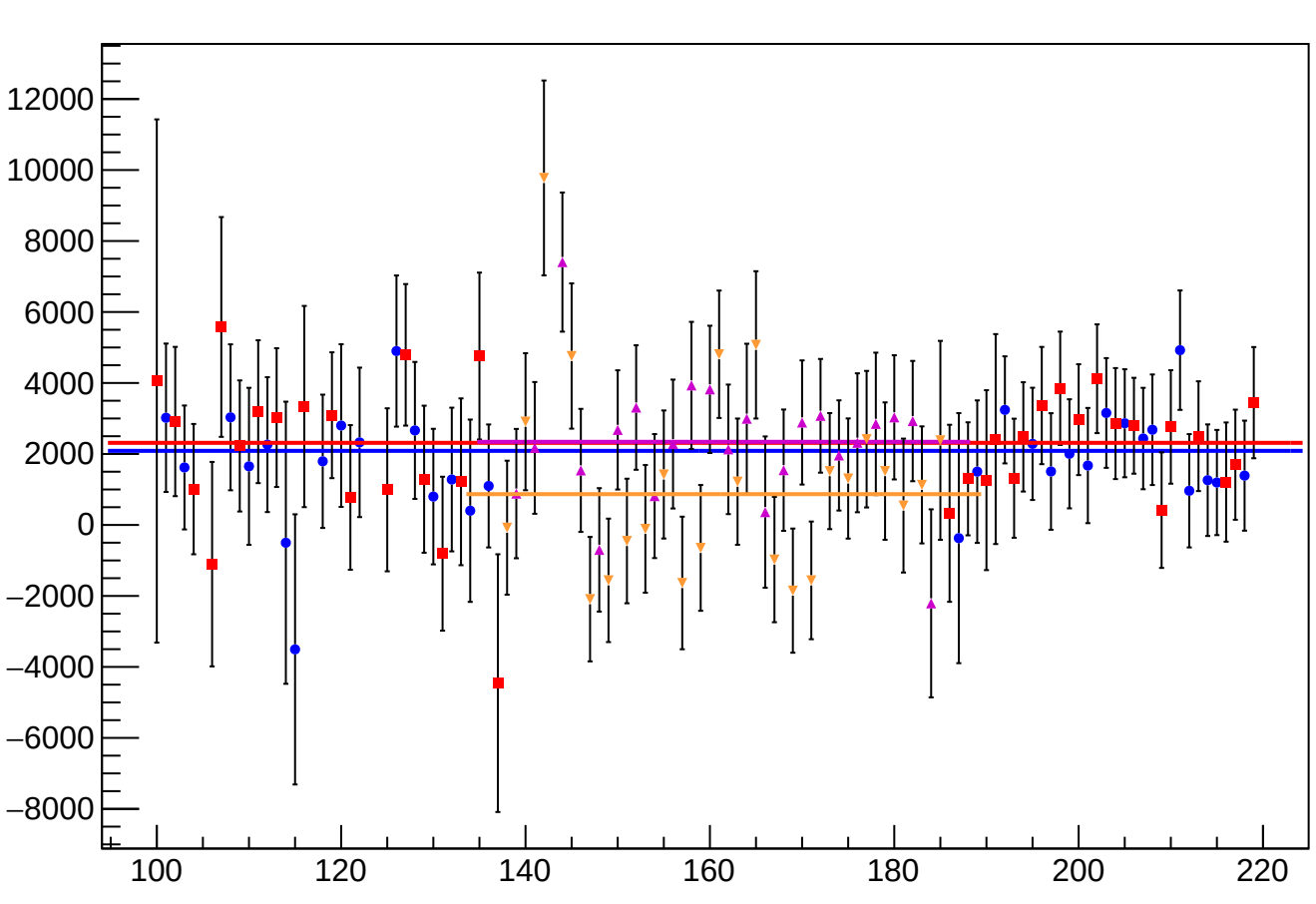
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 4093.993+/-0.464 χ^2/NDF: 4730213.0/67

In: 4510.996+/-0.532 χ^2/NDF:4642982.3/54

Out: 4538.655+/-0.527 χ^2/NDF:4874437.7/59

All: 4524.947+/-0.374 χ^2/NDF: 9518784.5/11



Right In: 2087.724+/-320.809 χ^2/NDF: 12.9/31

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 2313.576+/-314.718 χ^2/NDF: 20.6/35

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

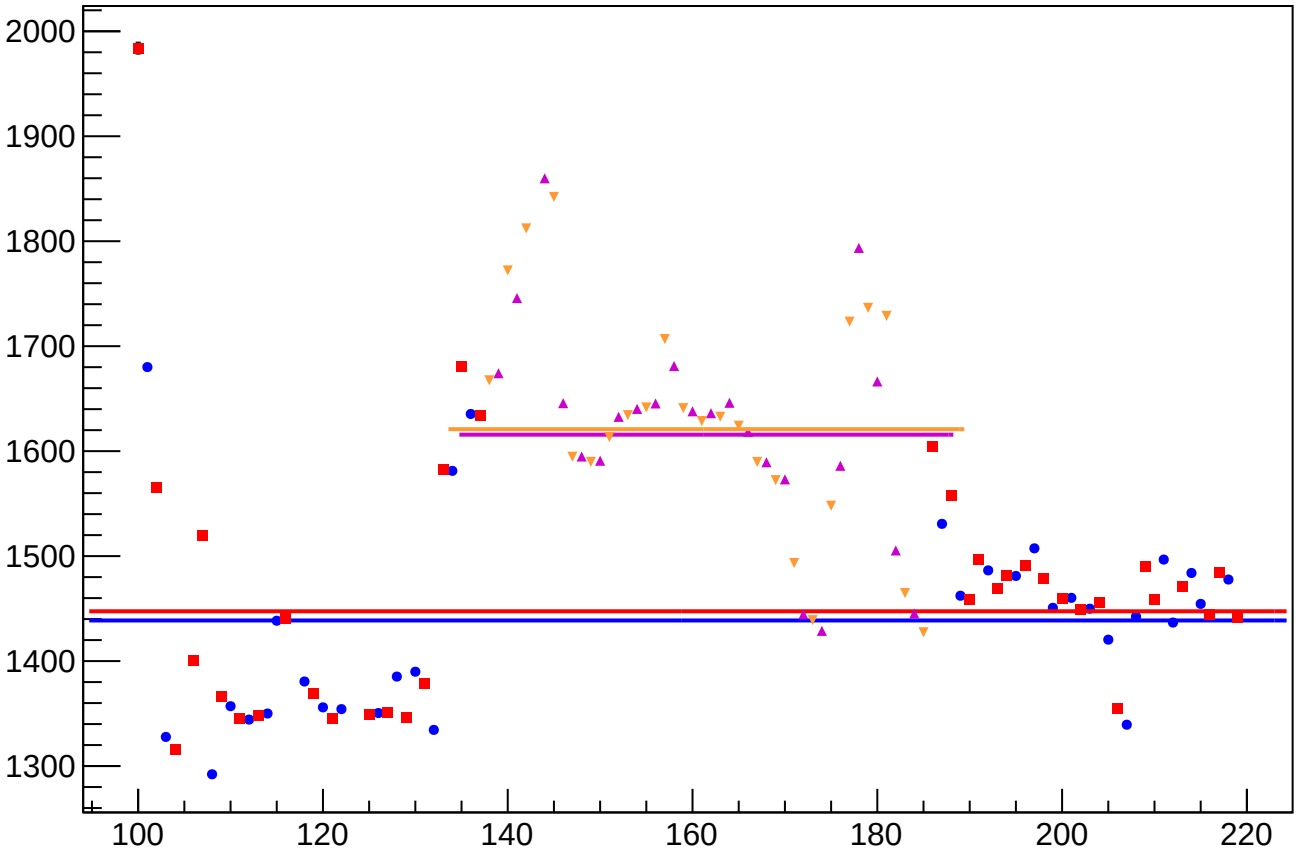
Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

Right: 2202.814+/-224.662 χ^2/NDF: 33.8/67

In: 2194.280+/-244.624 χ^2/NDF:31.2/54

Out: 1720.403+/-241.646 χ^2/NDF:69.0/59

All: 1954.440+/-171.913 χ^2/NDF: 102.2/114



Right In: 1438.695+/-0.227 χ^2/NDF: 129499.1/31

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1447.453+/-0.222 χ^2/NDF: 133094.0/35

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

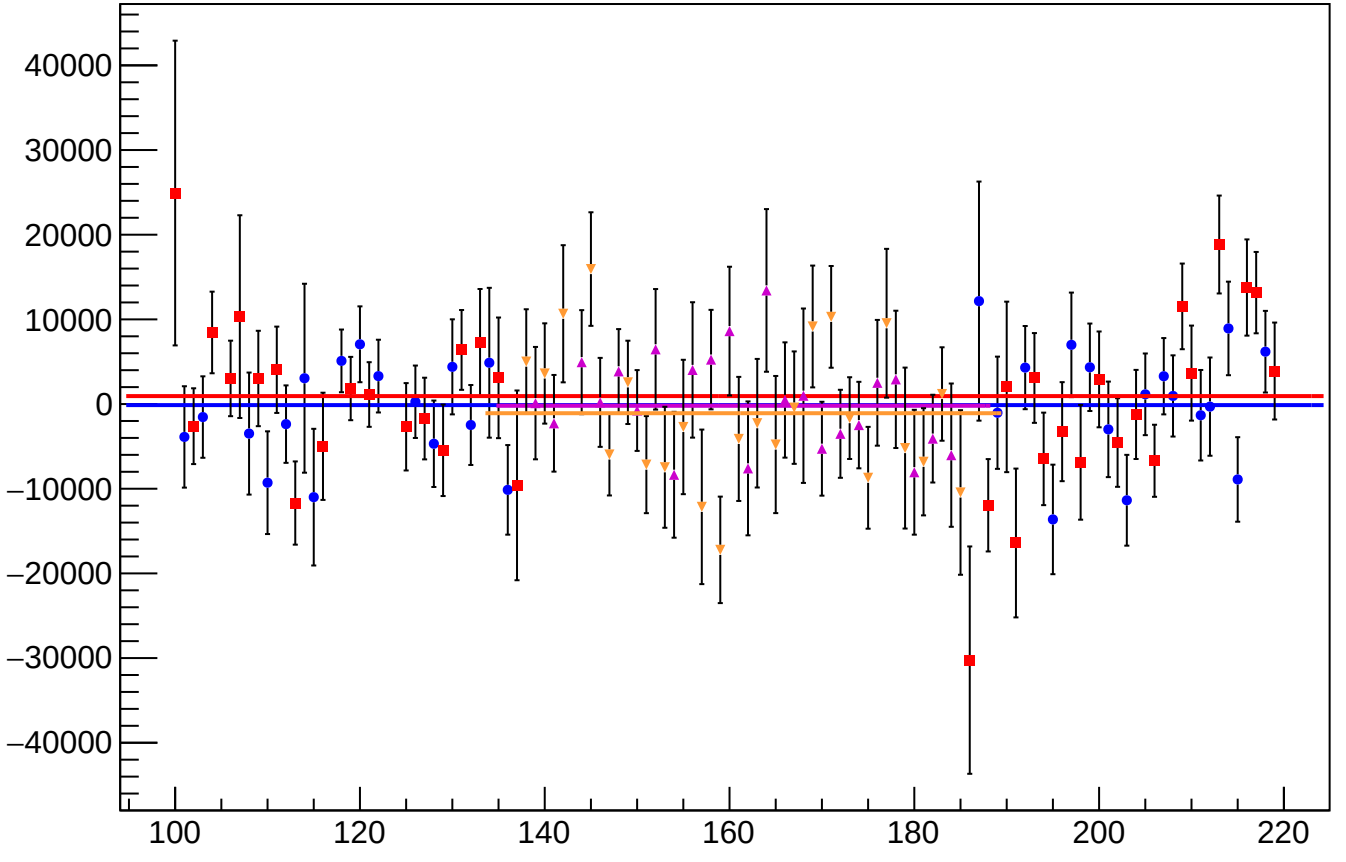
Right: 1443.162+/-0.159 χ^2/NDF: 263353.3/67

In: 1512.784+/-0.173 χ^2/NDF:521488.6/54

Out: 1518.584+/-0.171 χ^2/NDF:524739.7/59

All: 1515.721+/-0.122 χ^2/NDF: 1046797.7/11

asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -123.873+/-943.521 χ^2/NDF: 36.8/31

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: 940.113+/-917.132 χ^2/NDF: 68.6/35

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

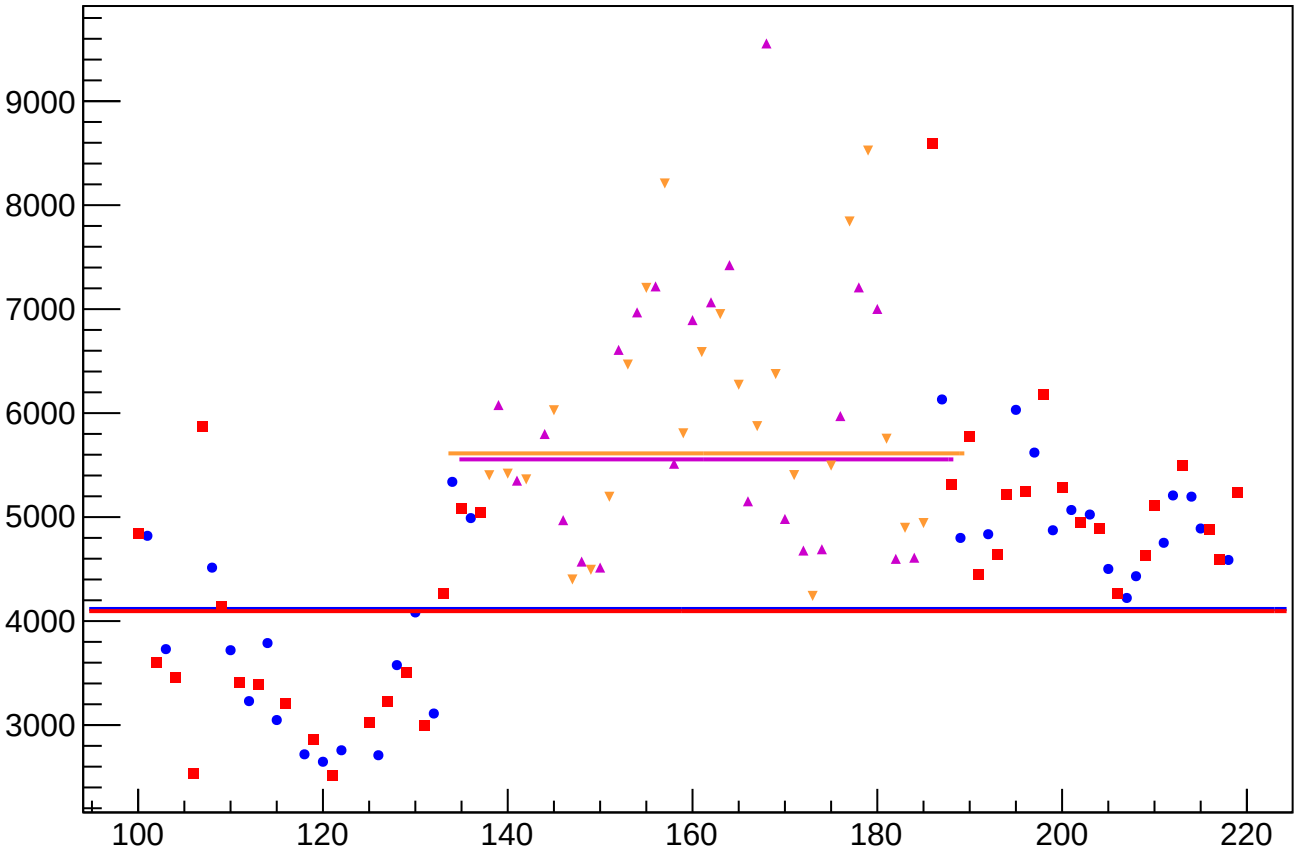
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: 423.207+/-657.642 χ^2/NDF: 106.1/67

In: -150.015+/-768.800 χ^2/NDF:49.7/54

Out: 289.968+/-755.463 χ^2/NDF:103.1/59

All: 73.826+/-538.846 χ^2/NDF: 153.0/114



Right In: 4116.532+/-0.667 χ^2/NDF: 2111216.7/31

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 4095.656+/-0.649 χ^2/NDF: 2655497.6/35

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

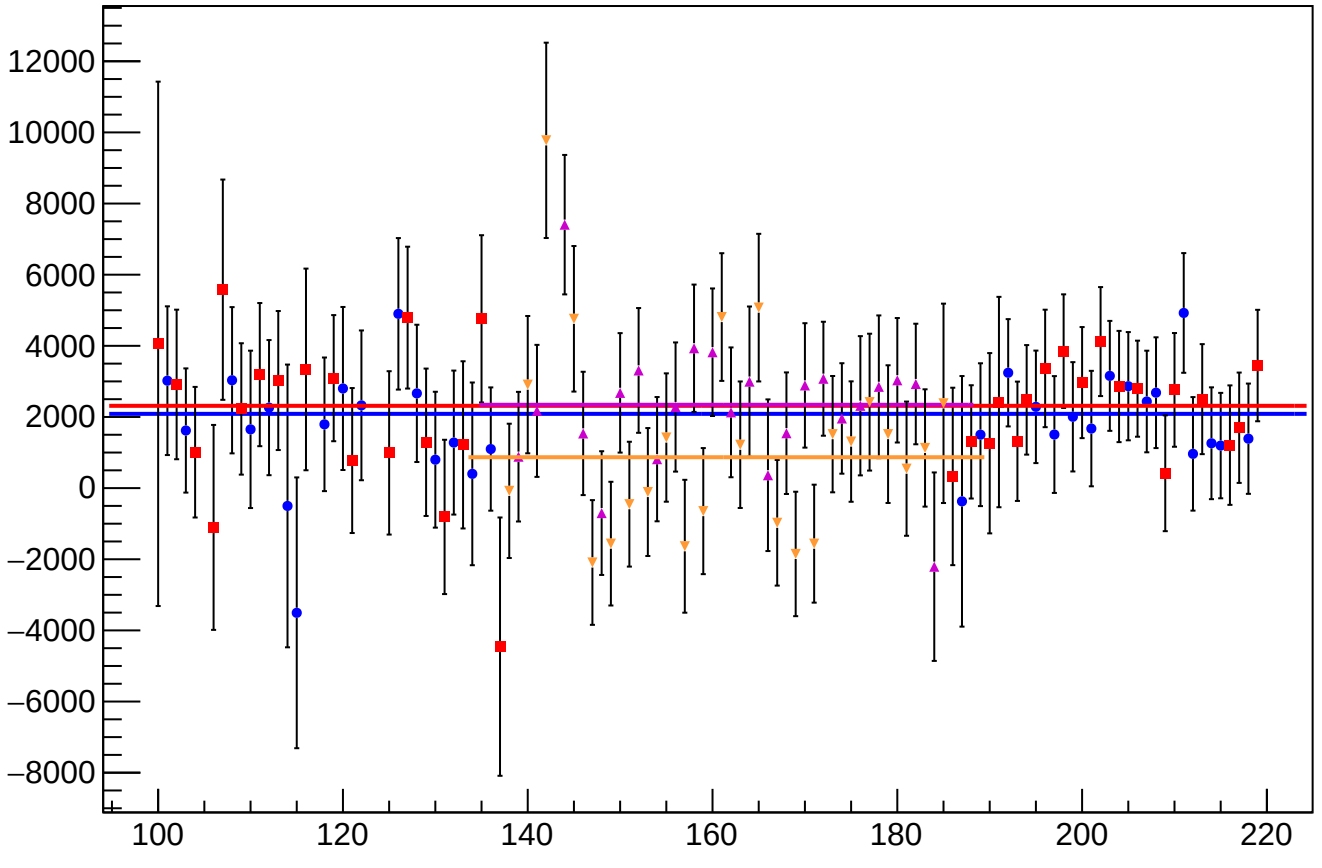
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 4105.798+/-0.465 χ^2/NDF: 4767217.6/67

In: 4599.929+/-0.544 χ^2/NDF:5006290.5/54

Out: 4583.366+/-0.534 χ^2/NDF:5602895.2/59

All: 4591.503+/-0.381 χ^2/NDF: 10609657.9/1



Right In: 2087.725+/-320.809 χ^2/NDF: 12.9/31

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 2313.573+/-314.718 χ^2/NDF: 20.6/35

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

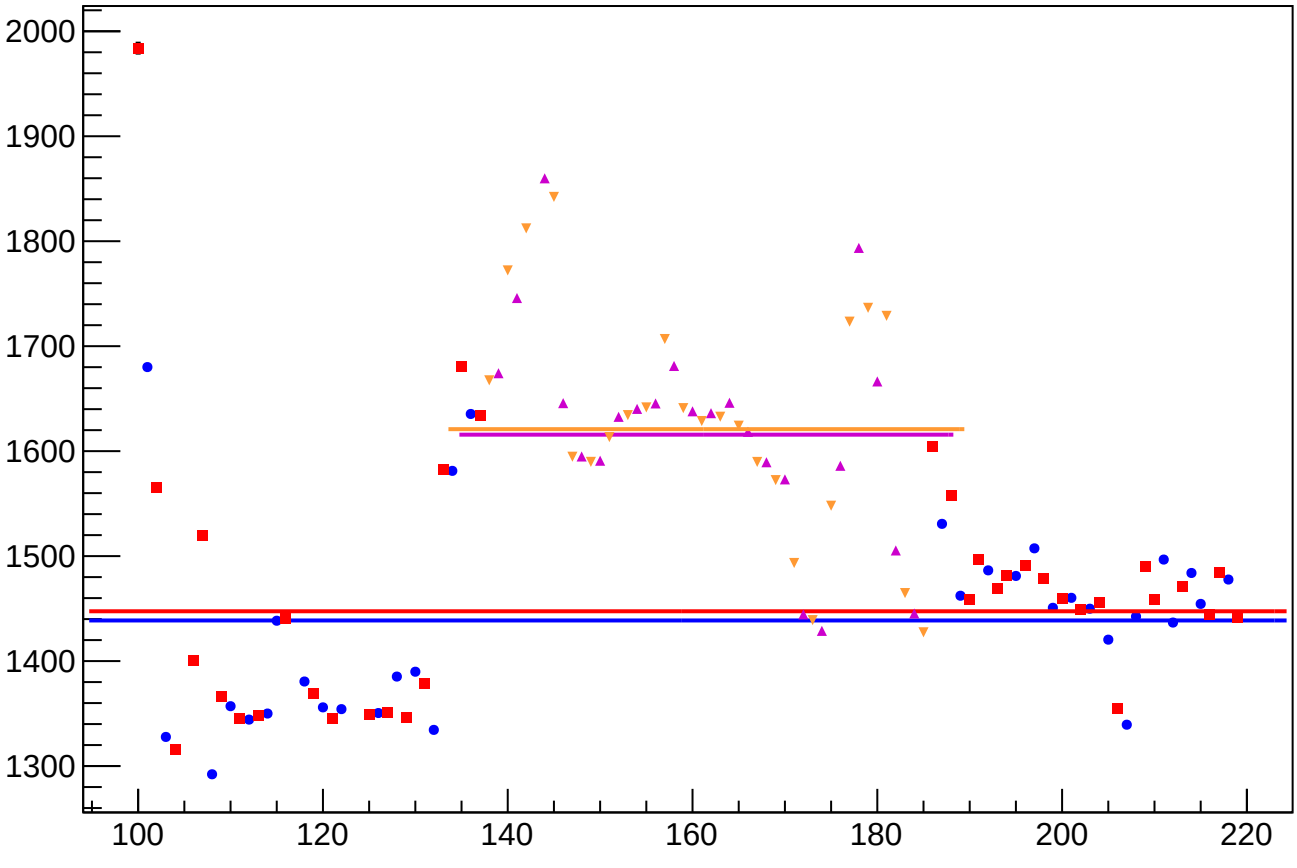
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 2202.813+/-224.662 χ^2/NDF: 33.8/67

In: 2194.281+/-244.625 χ^2/NDF:31.2/54

Out: 1720.400+/-241.647 χ^2/NDF:69.0/59

All: 1954.438+/-171.913 χ^2/NDF: 102.2/114



Right In: 1438.695+/-0.227 χ^2/NDF: 129499.1/31

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1447.453+/-0.222 χ^2/NDF: 133094.3/35

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

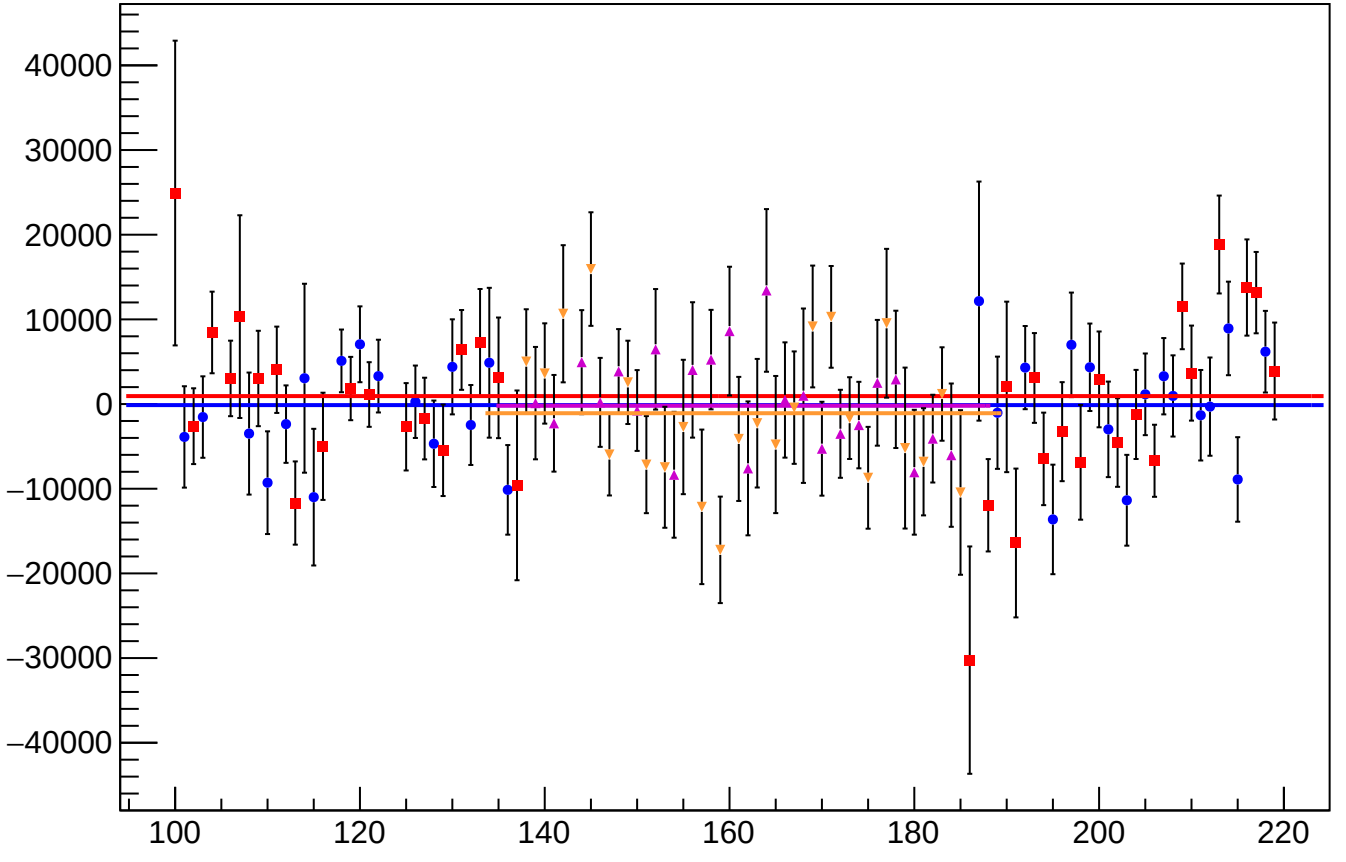
Right: 1443.162+/-0.159 χ^2/NDF: 263353.6/67

In: 1512.784+/-0.173 χ^2/NDF:521496.4/54

Out: 1518.584+/-0.171 χ^2/NDF:524748.4/59

All: 1515.721+/-0.122 χ^2/NDF: 1046814.2/11

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -123.869+/-943.520 χ^2/NDF: 36.8/31

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: 940.114+/-917.131 χ^2/NDF: 68.6/35

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

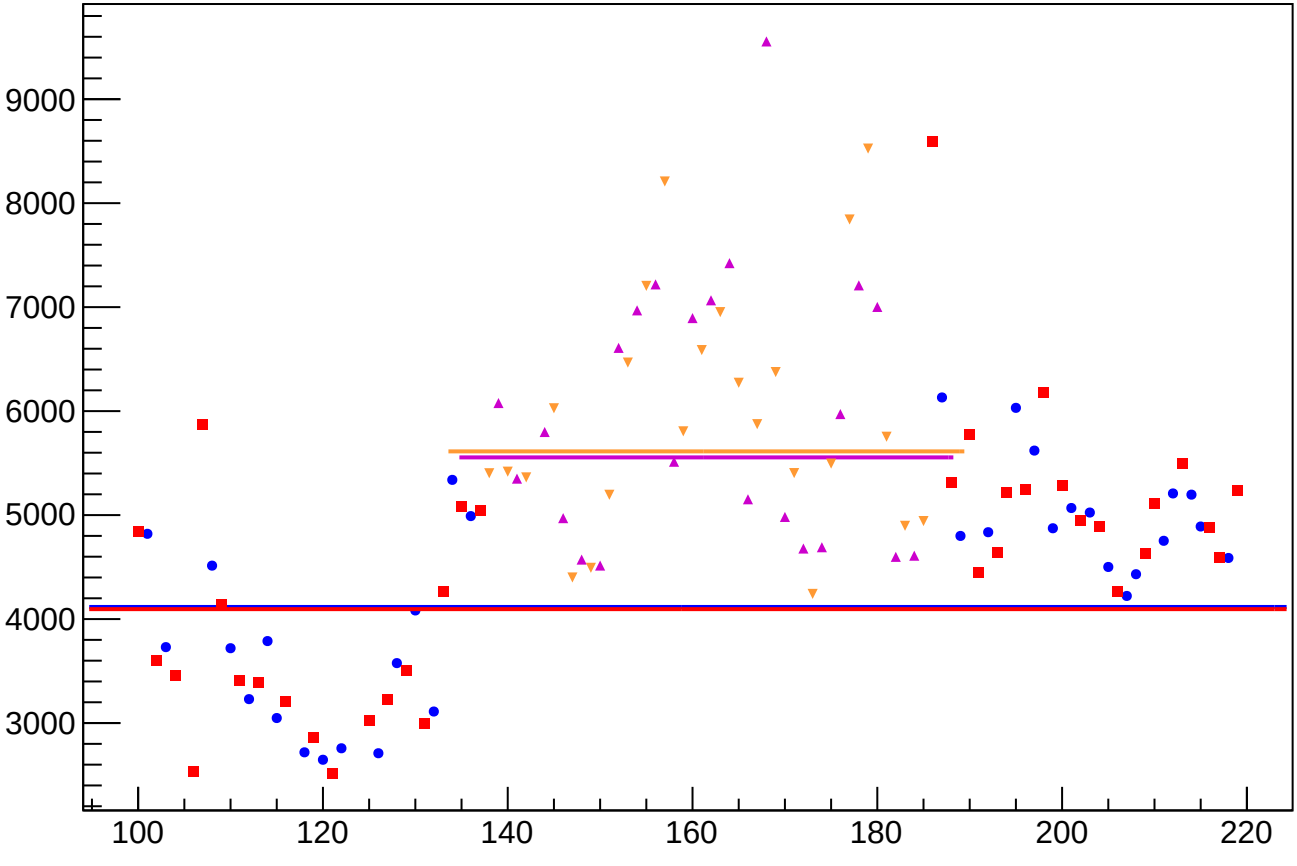
Right: 423.210+/-657.641 χ^2/NDF: 106.1/67

In: -150.013+/-768.800 χ^2/NDF:49.7/54

Out: 289.969+/-755.463 χ^2/NDF:103.1/59

All: 73.828+/-538.846 χ^2/NDF: 153.0/114

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4116.528+/-0.667 χ^2/NDF: 2111261.0/31

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 4095.650+/-0.649 χ^2/NDF: 2655536.0/35

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

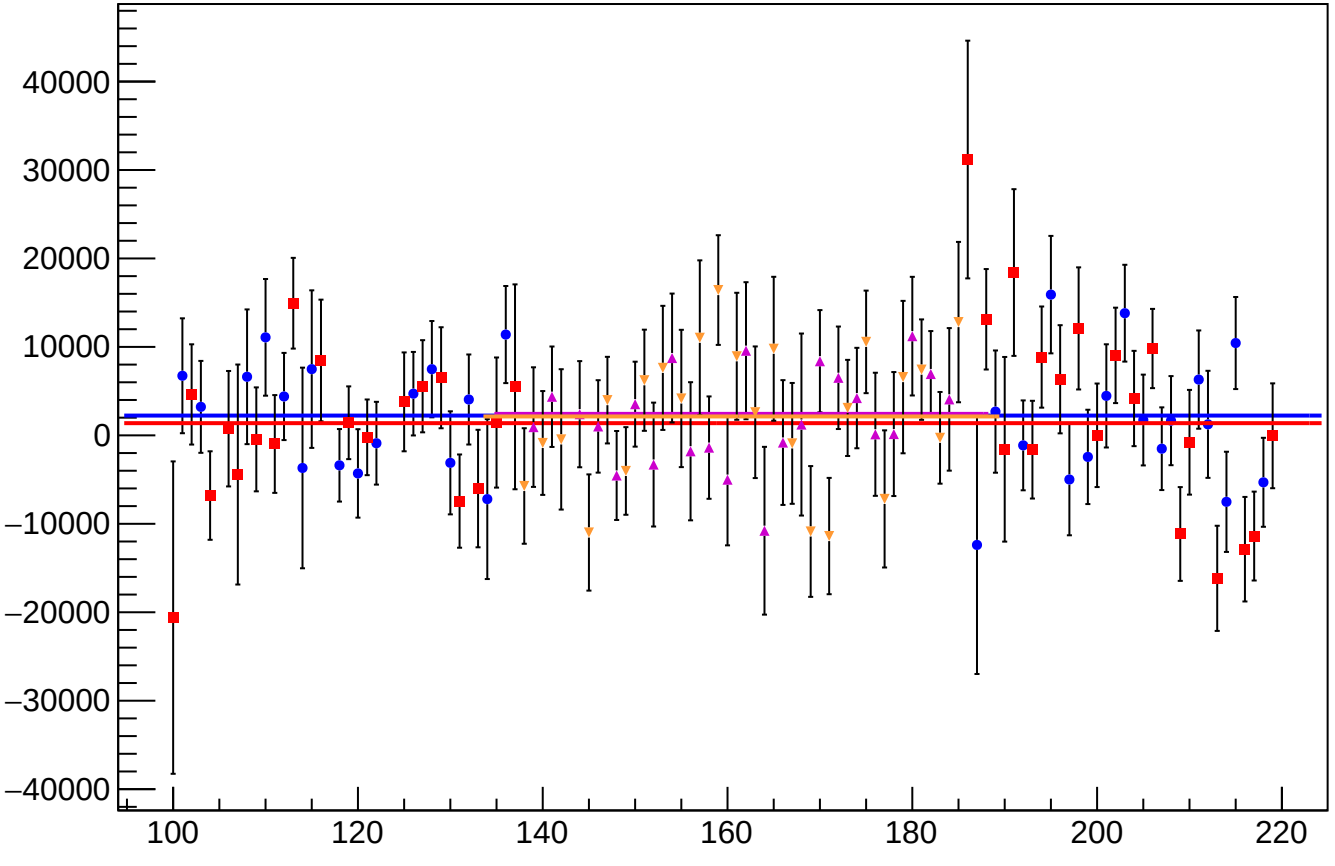
Right: 4105.793+/-0.465 χ^2/NDF: 4767300.5/67

In: 4599.928+/-0.544 χ^2/NDF:5006360.4/54

Out: 4583.364+/-0.534 χ^2/NDF:5602964.9/59

All: 4591.501+/-0.381 χ^2/NDF: 10609797.6/1

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2236.634+/-999.790 χ^2/NDF: 34.9/31

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 1379.341+/-986.293 χ^2/NDF: 69.3/35

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

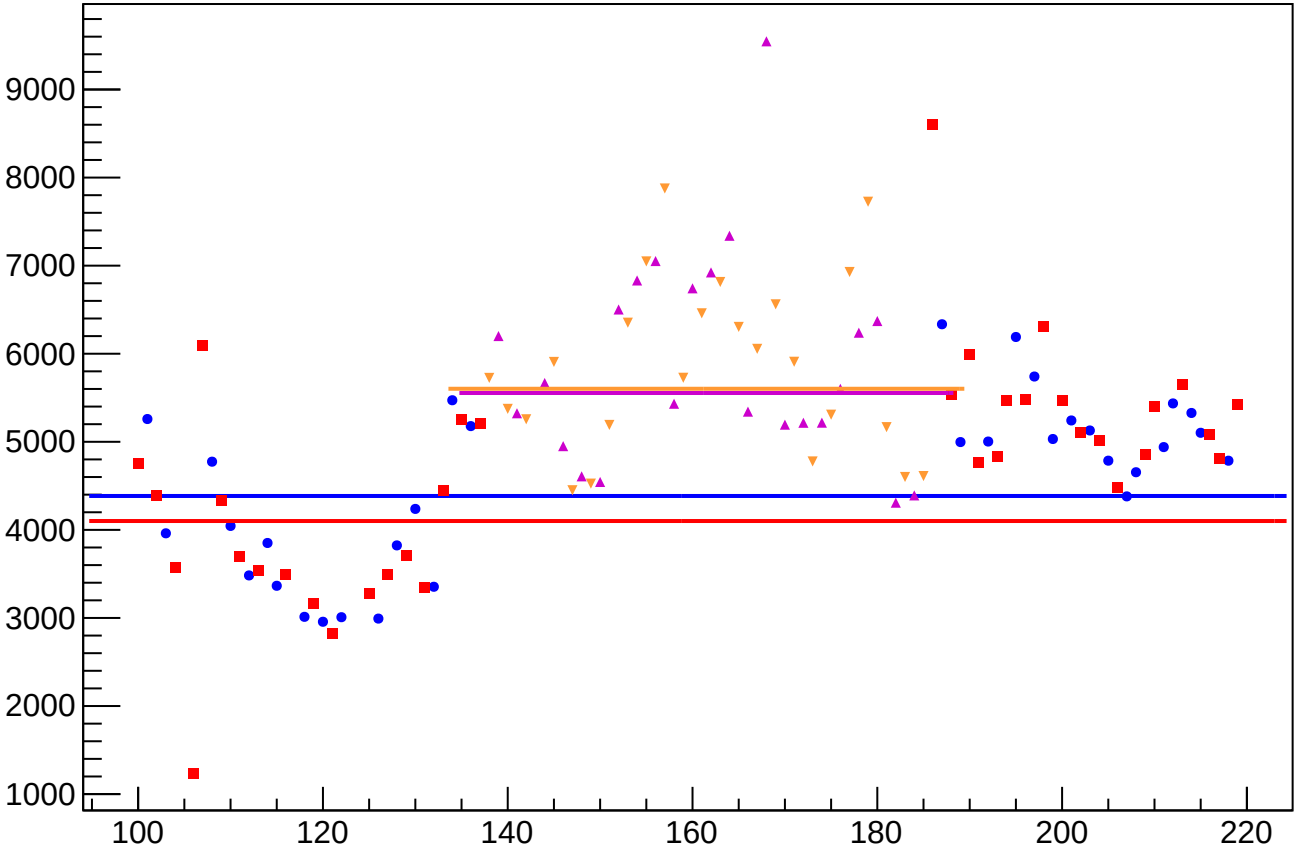
Right: 1802.162+/-702.138 χ^2/NDF: 104.5/67

In: 2306.345+/-797.223 χ^2/NDF:47.7/54

Out: 1650.042+/-791.036 χ^2/NDF:100.2/59

All: 1975.637+/-561.522 χ^2/NDF: 148.3/114

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 4384.929+/-0.707 χ^2/NDF: 1702281.1/31

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 4100.570+/-0.666 χ^2/NDF: 4249971.4/35

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

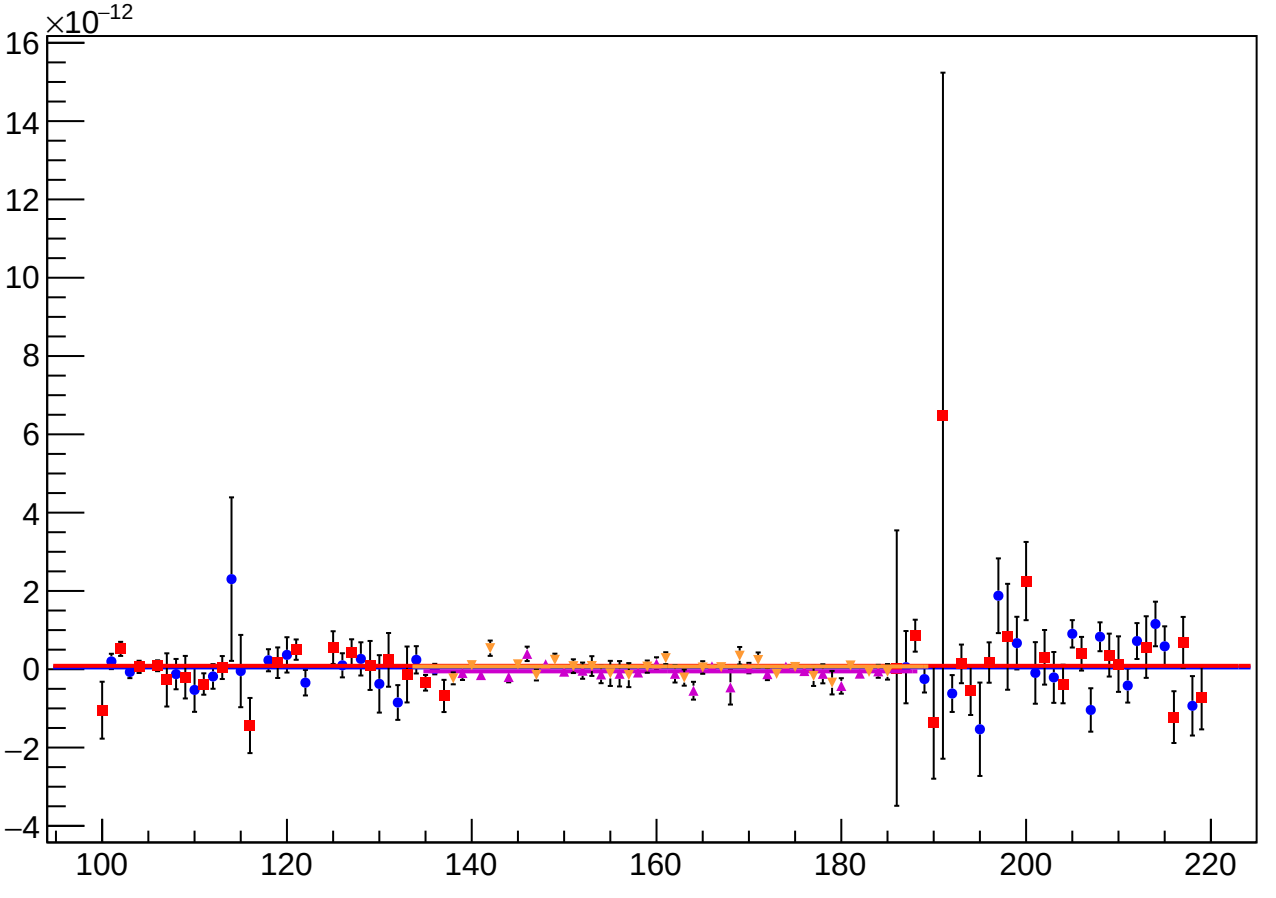
Right: 4234.200+/-0.485 χ^2/NDF: 6038011.6/67

In: 4810.687+/-0.564 χ^2/NDF:3810406.0/54

Out: 4604.616+/-0.543 χ^2/NDF:6898707.0/59

All: 4703.710+/-0.391 χ^2/NDF: 10778483.6/1

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 45.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 48.7/35

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

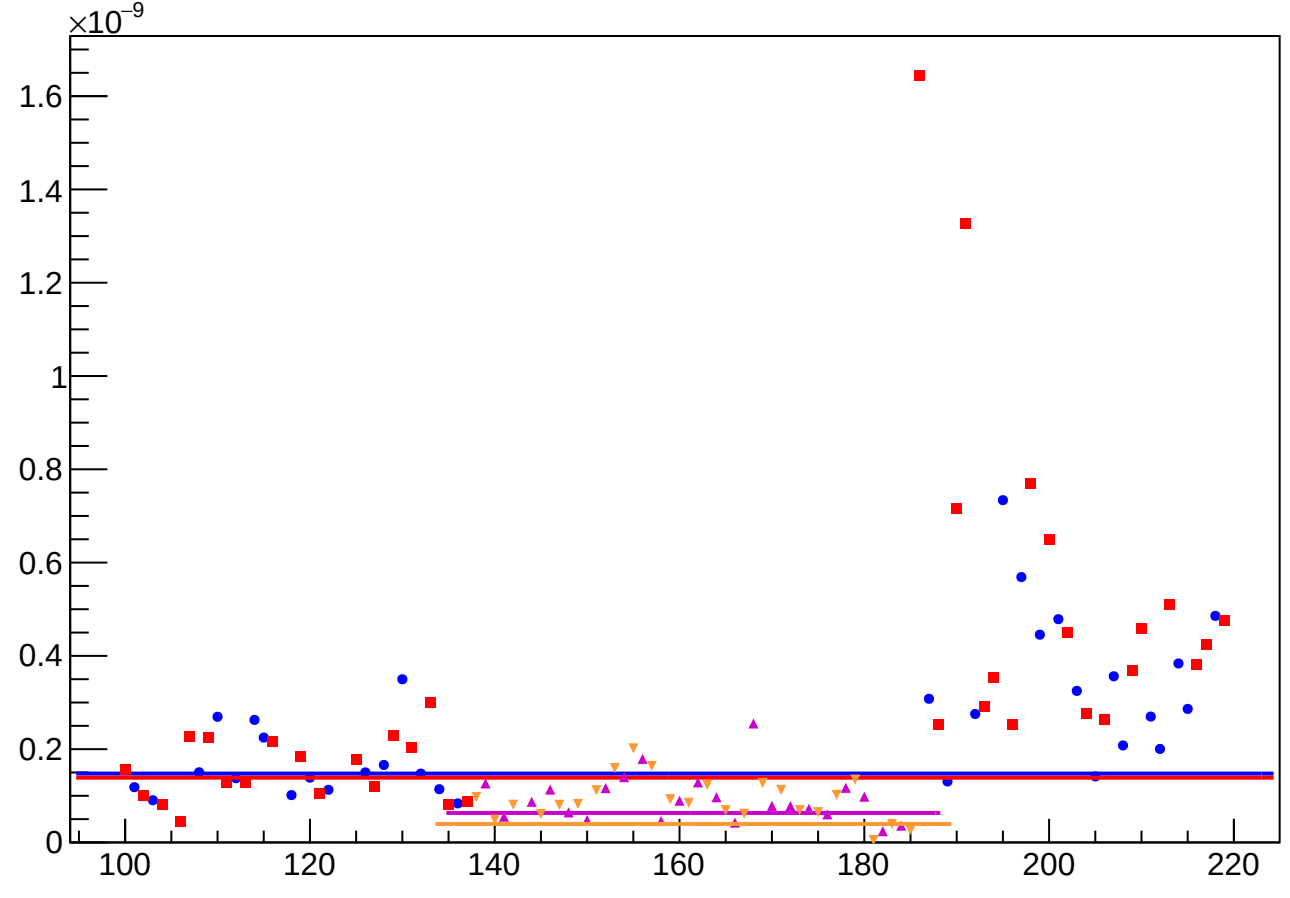
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 93.9/67

In: -0.000+/-0.000 χ^2/NDF:72.6/54

Out: 0.000+/-0.000 χ^2/NDF:77.0/59

All: 0.000+/-0.000 χ^2/NDF: 160.7/114



Right In: 0.000+/-0.000 χ^2/NDF: 4522422.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7128723.6/35

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

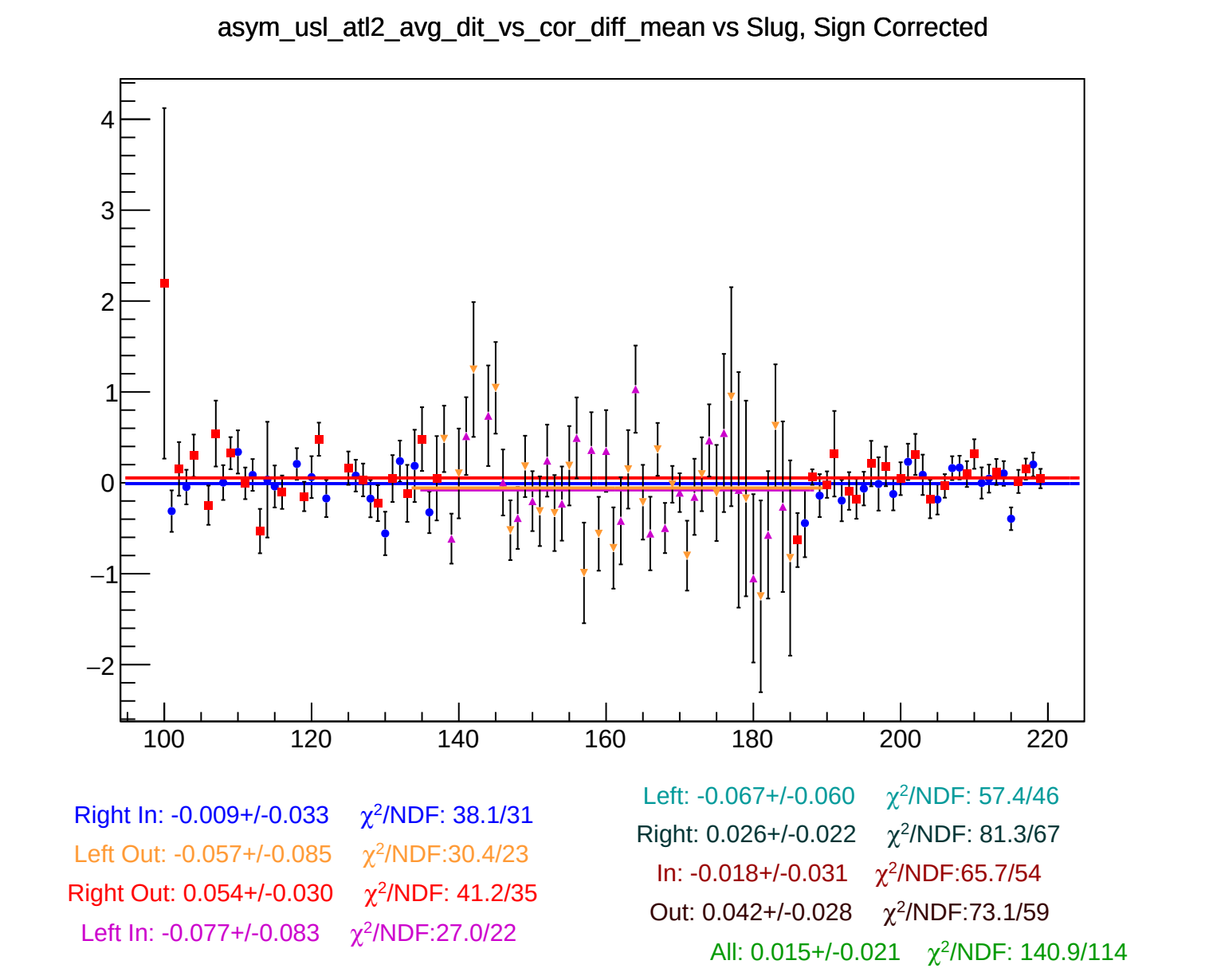
Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

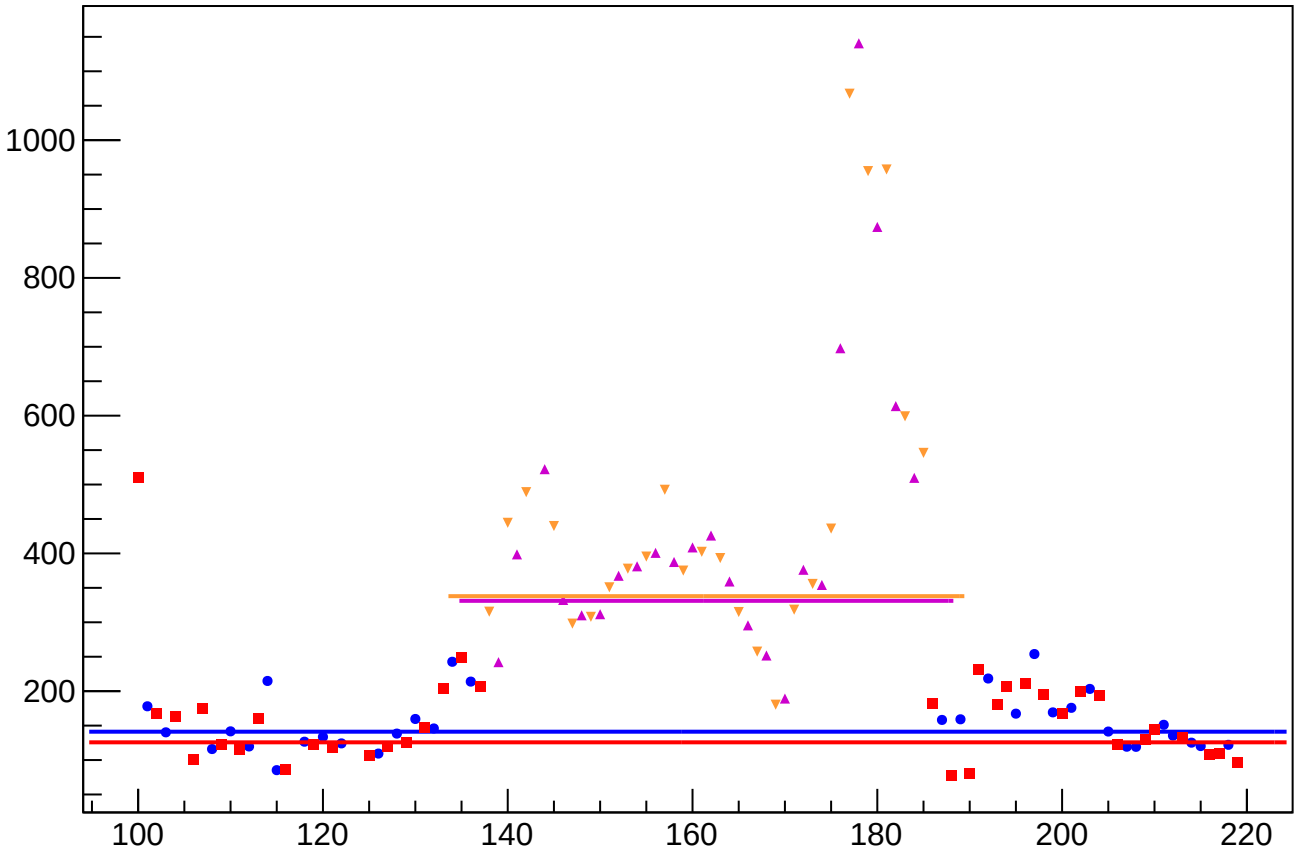
Right: 0.000+/-0.000 χ^2/NDF: 11671897.2/67

In: 0.000+/-0.000 χ^2/NDF:10536312.0/54

Out: 0.000+/-0.000 χ^2/NDF:18859906.4/59

All: 0.000+/-0.000 χ^2/NDF: 30669938.8/114


asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.009+/-0.033 χ²/NDF: 38.1/31
Left Out: -0.057+/-0.085 χ²/NDF:30.4/23
Right Out: 0.054+/-0.030 χ²/NDF: 41.2/35
Left In: -0.077+/-0.083 χ²/NDF:27.0/22
Left: -0.067+/-0.060 χ²/NDF: 57.4/46
Right: 0.026+/-0.022 χ²/NDF: 81.3/67
In: -0.018+/-0.031 χ²/NDF:65.7/54
Out: 0.042+/-0.028 χ²/NDF:73.1/59
All: 0.015+/-0.021 χ²/NDF: 140.9/114



Right In: 141.155+/-0.023 χ^2/NDF: 1795392.1/31

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 125.714+/-0.021 χ^2/NDF: 3503666.9/35

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

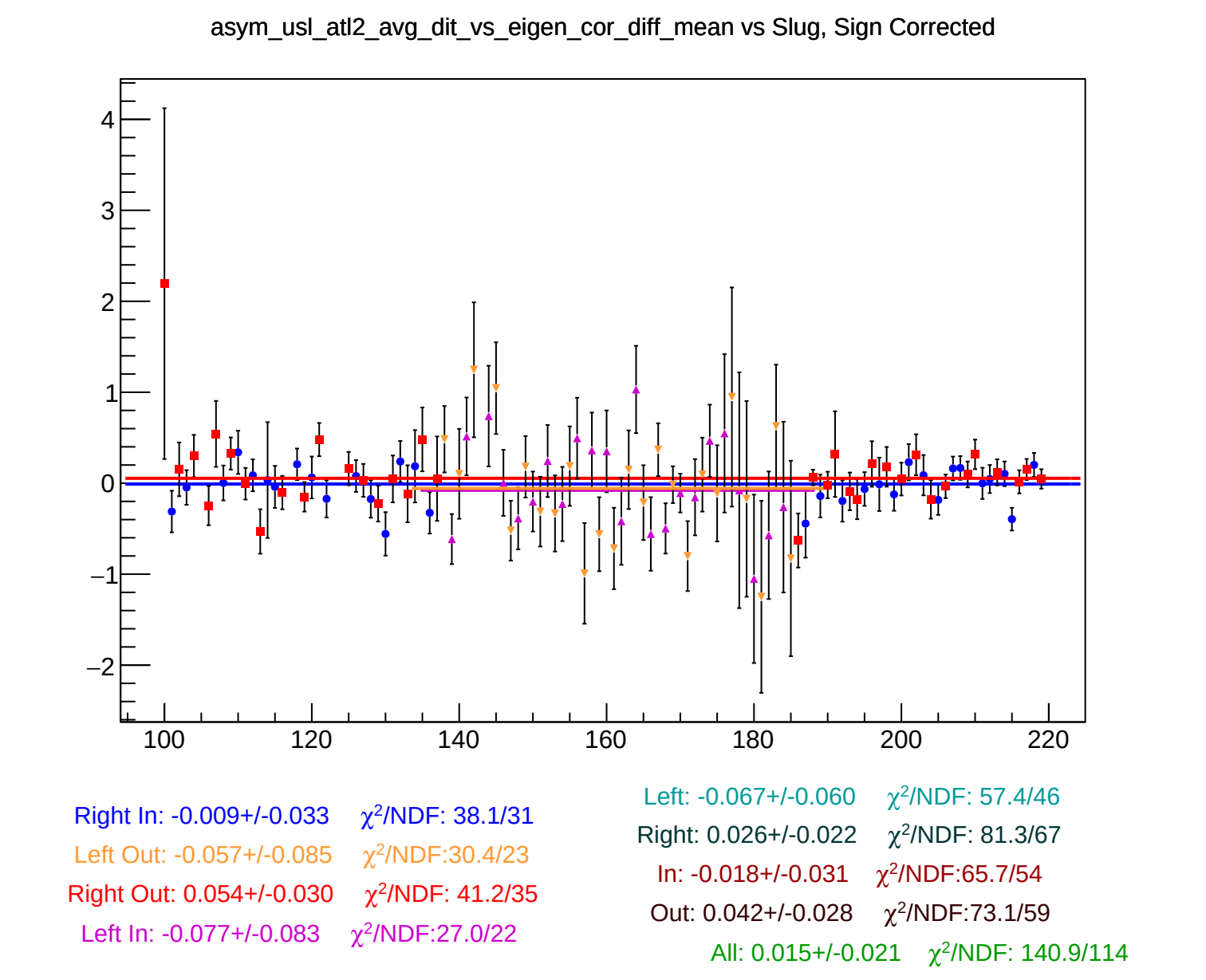
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

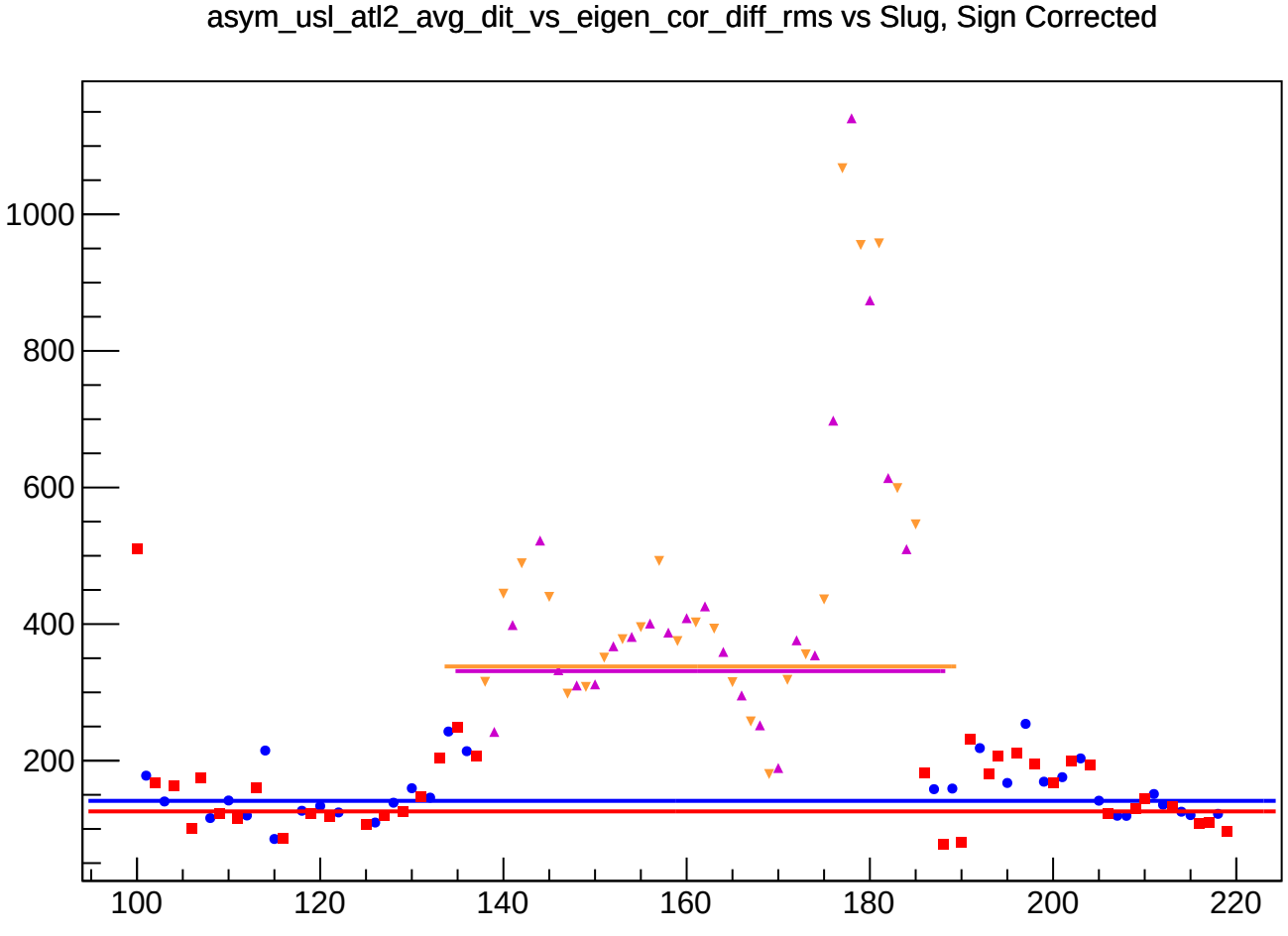
Right: 132.567+/-0.016 χ^2/NDF: 5539815.4/67

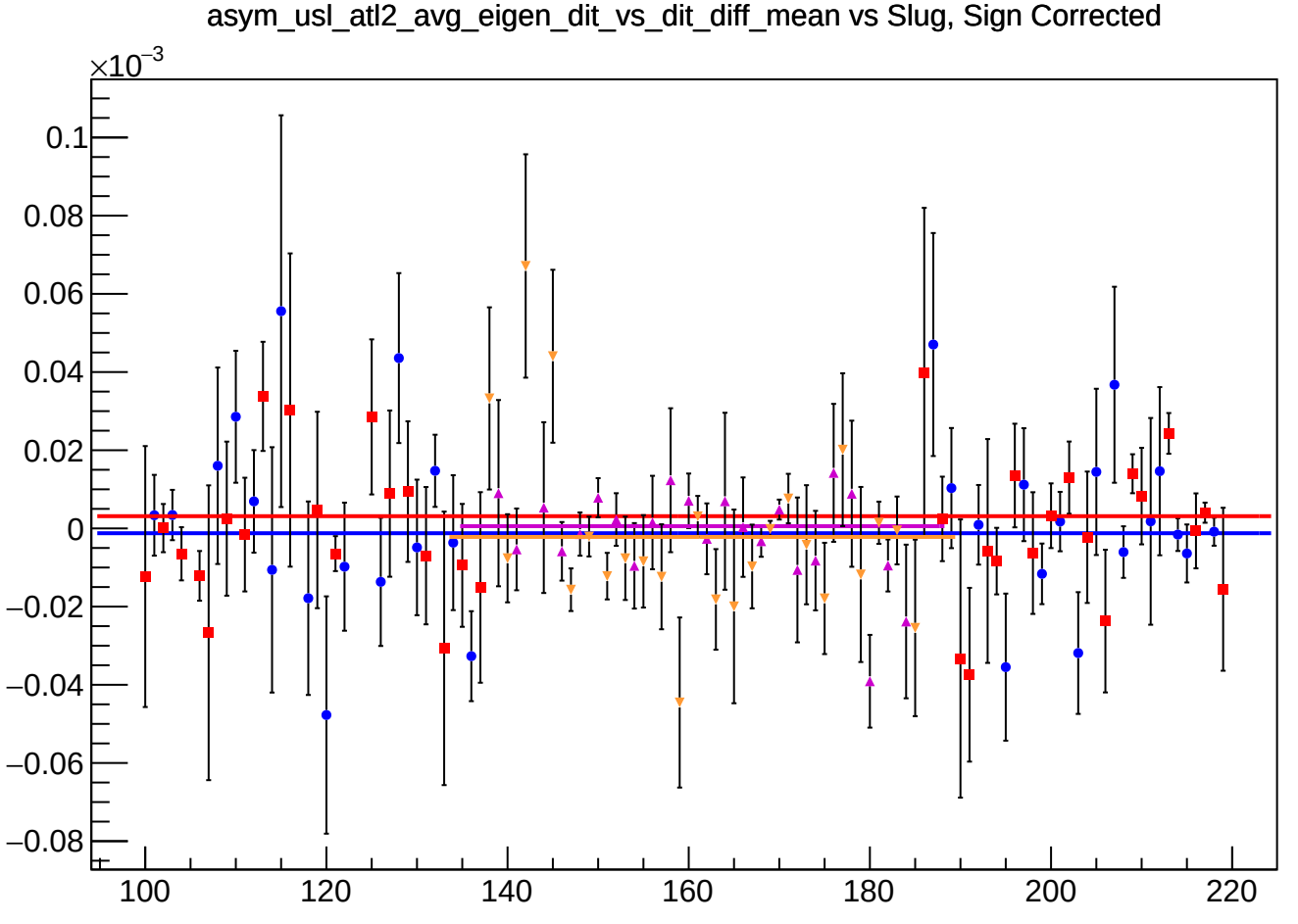
In: 167.127+/-0.022 χ^2/NDF:14860938.4/54

Out: 148.514+/-0.020 χ^2/NDF:19029316.3/59

All: 156.928+/-0.015 χ^2/NDF: 34289442.6/11


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.009+/-0.033 χ²/NDF: 38.1/31
Left Out: -0.057+/-0.085 χ²/NDF:30.4/23
Right Out: 0.054+/-0.030 χ²/NDF: 41.2/35
Left In: -0.077+/-0.083 χ²/NDF:27.0/22
Left: -0.067+/-0.060 χ²/NDF: 57.4/46
Right: 0.026+/-0.022 χ²/NDF: 81.3/67
In: -0.018+/-0.031 χ²/NDF:65.7/54
Out: 0.042+/-0.028 χ²/NDF:73.1/59
All: 0.015+/-0.021 χ²/NDF: 140.9/114


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 141.155+/-0.023 χ²/NDF: 1795392.1/31
Left Out: 337.937+/-0.060 χ²/NDF:4517129.8/23
Right Out: 125.714+/-0.021 χ²/NDF: 3503666.9/35
Left In: 331.158+/-0.059 χ²/NDF:4106959.8/22
Left: 334.465+/-0.042 χ²/NDF: 8630534.0/46
Right: 132.567+/-0.016 χ²/NDF: 5539815.4/67
In: 167.127+/-0.022 χ²/NDF:14860938.4/54
Out: 148.514+/-0.020 χ²/NDF:19029316.3/59
All: 156.928+/-0.015 χ²/NDF: 34289442.6/11



Right In: -0.000+/-0.000 χ^2/NDF: 42.3/31

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 57.1/35

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

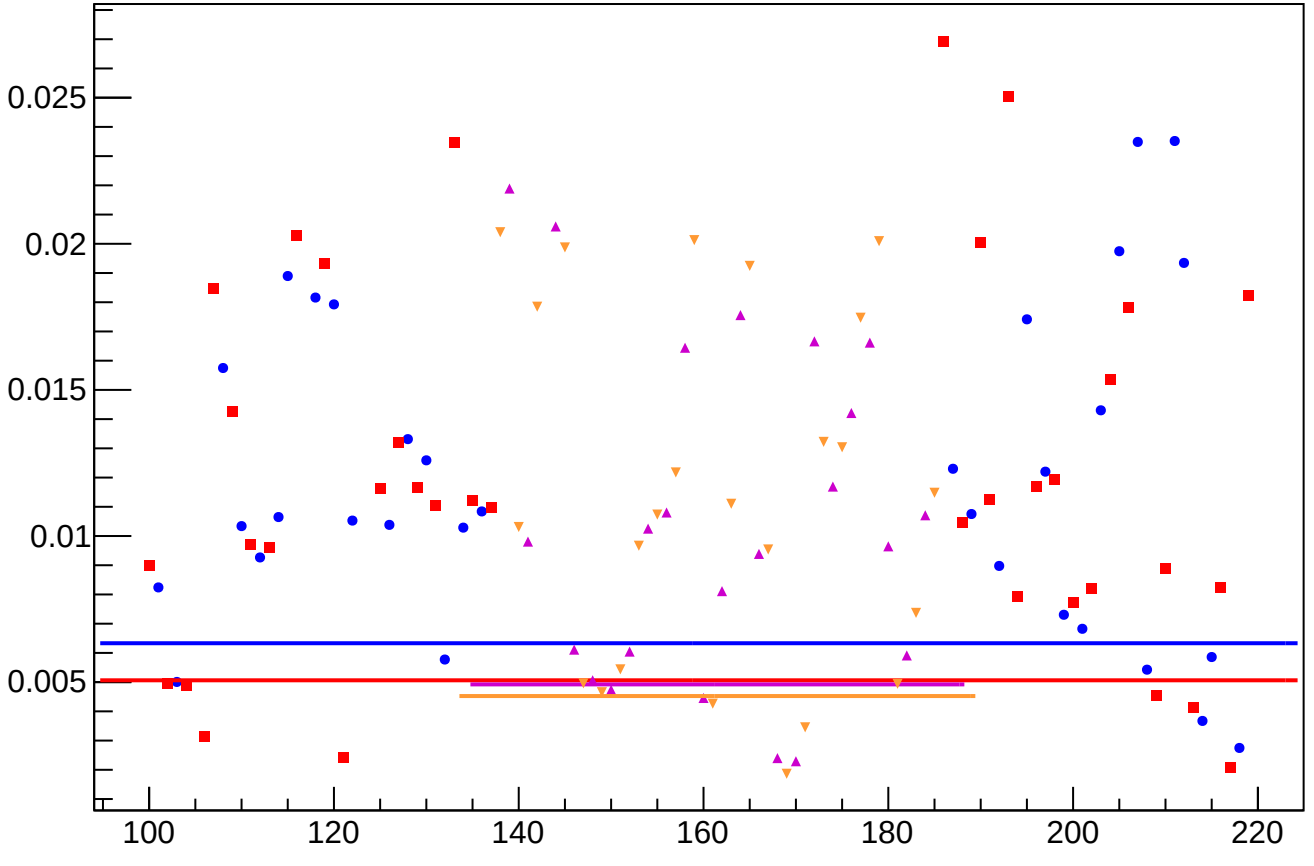
Right: 0.000+/-0.000 χ^2/NDF: 103.1/67

In: -0.000+/-0.000 χ^2/NDF:69.1/54

Out: 0.000+/-0.000 χ^2/NDF:101.9/59

All: 0.000+/-0.000 χ^2/NDF: 171.2/114

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 10829717.3/31

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.005+/-0.000 χ^2/NDF: 14730882.3/35

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

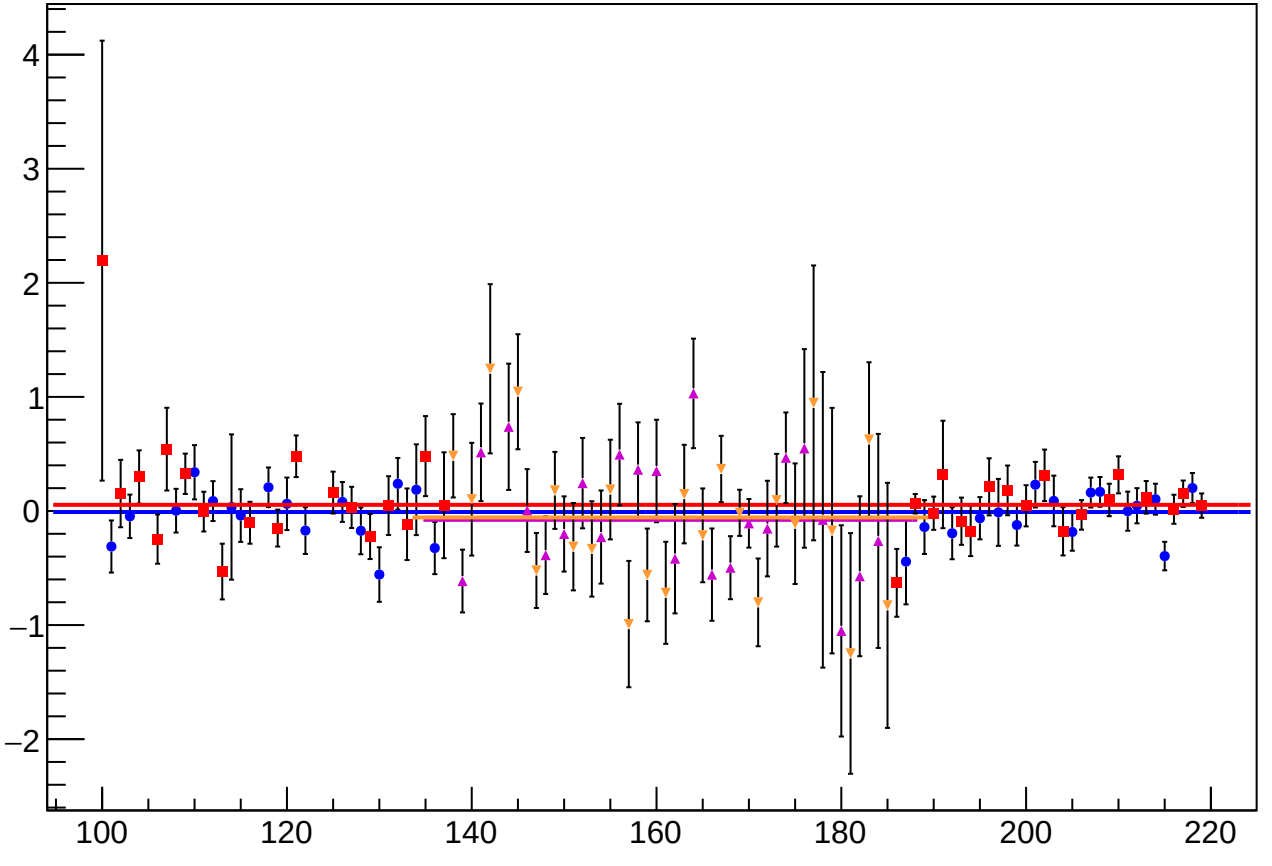
Right: 0.006+/-0.000 χ^2/NDF: 26184766.8/67

In: 0.006+/-0.000 χ^2/NDF:23208476.9/54

Out: 0.005+/-0.000 χ^2/NDF:29113166.4/59

All: 0.005+/-0.000 χ^2/NDF: 52789350.9/114

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.033 χ^2/NDF: 38.1/31

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.054+/-0.030 χ^2/NDF: 41.2/35

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

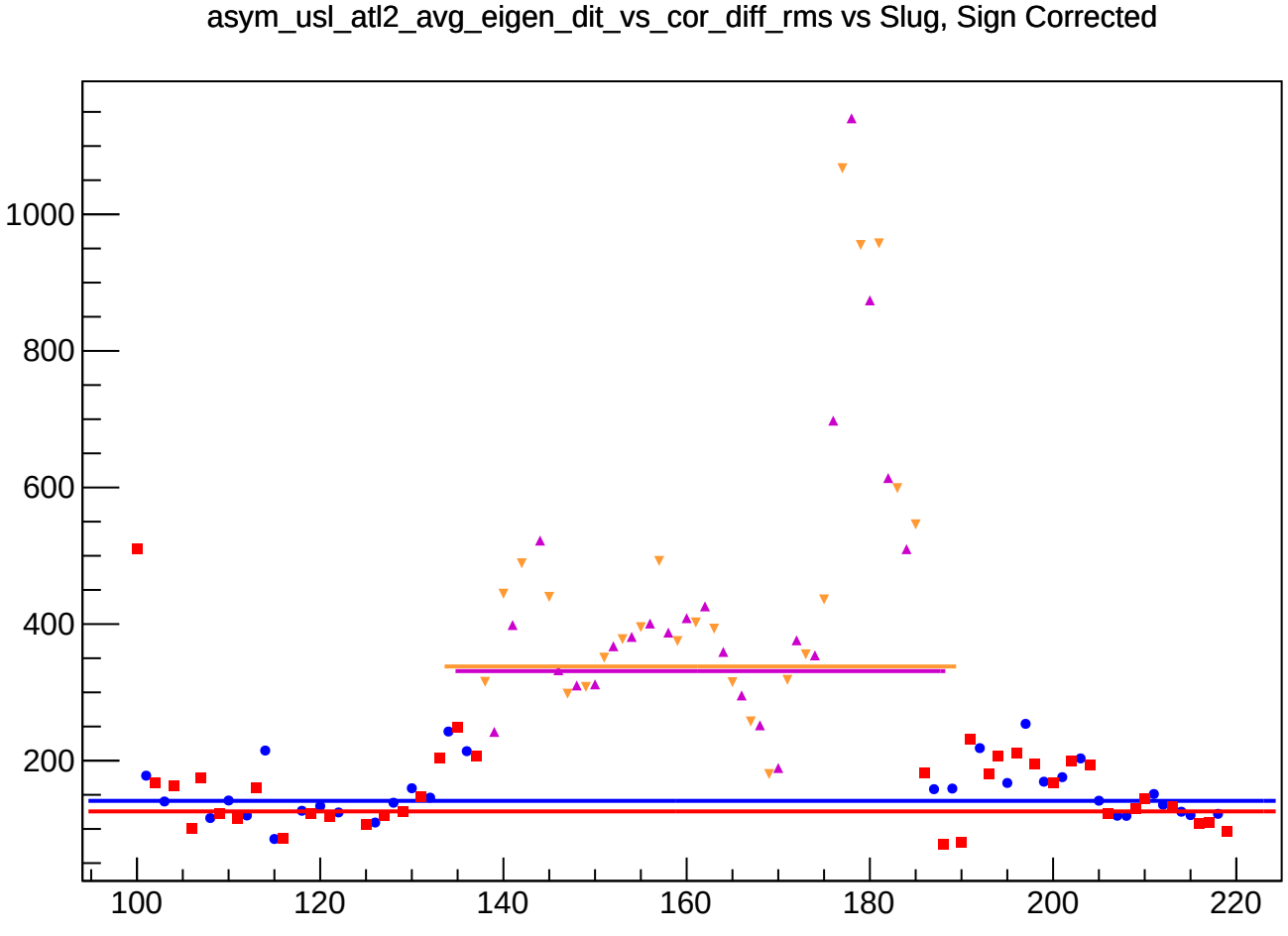
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.026+/-0.022 χ^2/NDF: 81.3/67

In: -0.018+/-0.031 χ^2/NDF:65.7/54

Out: 0.042+/-0.028 χ^2/NDF:73.1/59

All: 0.015+/-0.021 χ^2/NDF: 140.9/114



Right In: 141.155+/-0.023 χ^2/NDF: 1795386.2/31

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 125.712+/-0.021 χ^2/NDF: 3503801.5/35

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

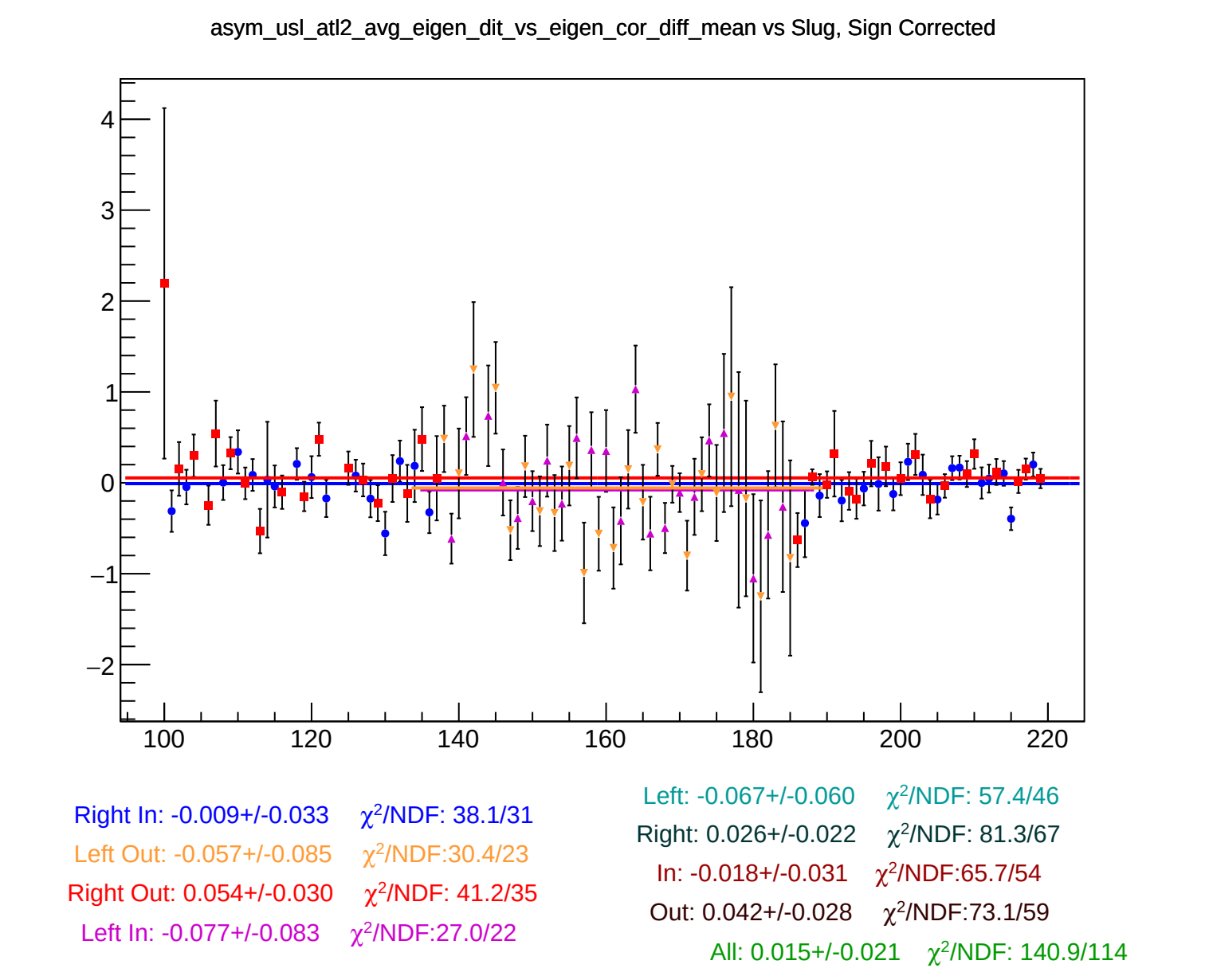
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 132.566+/-0.016 χ^2/NDF: 5539989.1/67

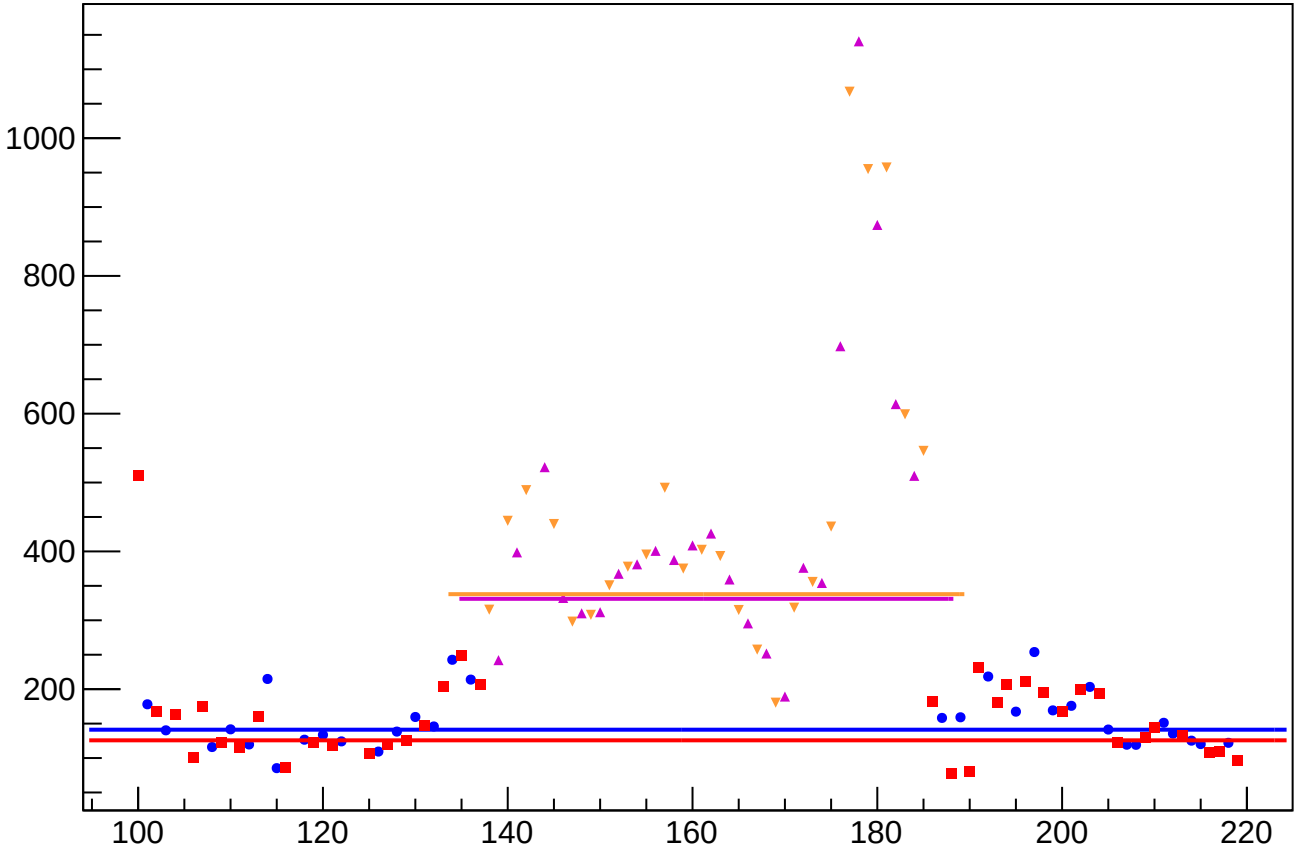
In: 167.128+/-0.022 χ^2/NDF:14861039.1/54

Out: 148.513+/-0.020 χ^2/NDF:19029726.3/59

All: 156.928+/-0.015 χ^2/NDF: 34290025.0/11


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.009+/-0.033 χ²/NDF: 38.1/31
Left Out: -0.057+/-0.085 χ²/NDF:30.4/23
Right Out: 0.054+/-0.030 χ²/NDF: 41.2/35
Left In: -0.077+/-0.083 χ²/NDF:27.0/22
Left: -0.067+/-0.060 χ²/NDF: 57.4/46
Right: 0.026+/-0.022 χ²/NDF: 81.3/67
In: -0.018+/-0.031 χ²/NDF:65.7/54
Out: 0.042+/-0.028 χ²/NDF:73.1/59
All: 0.015+/-0.021 χ²/NDF: 140.9/114

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.155+/-0.023 χ^2/NDF: 1795386.2/31

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 125.712+/-0.021 χ^2/NDF: 3503801.5/35

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

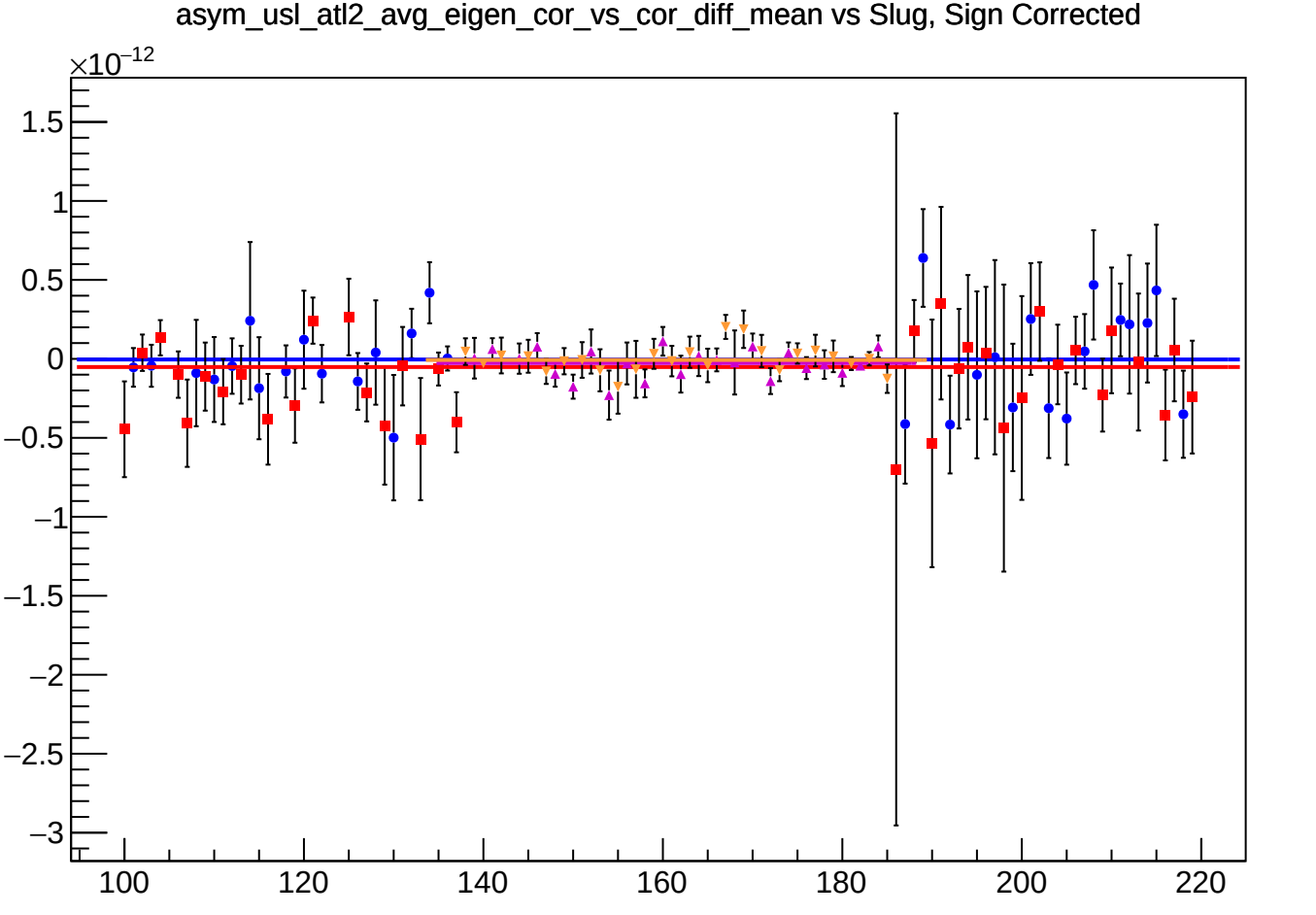
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

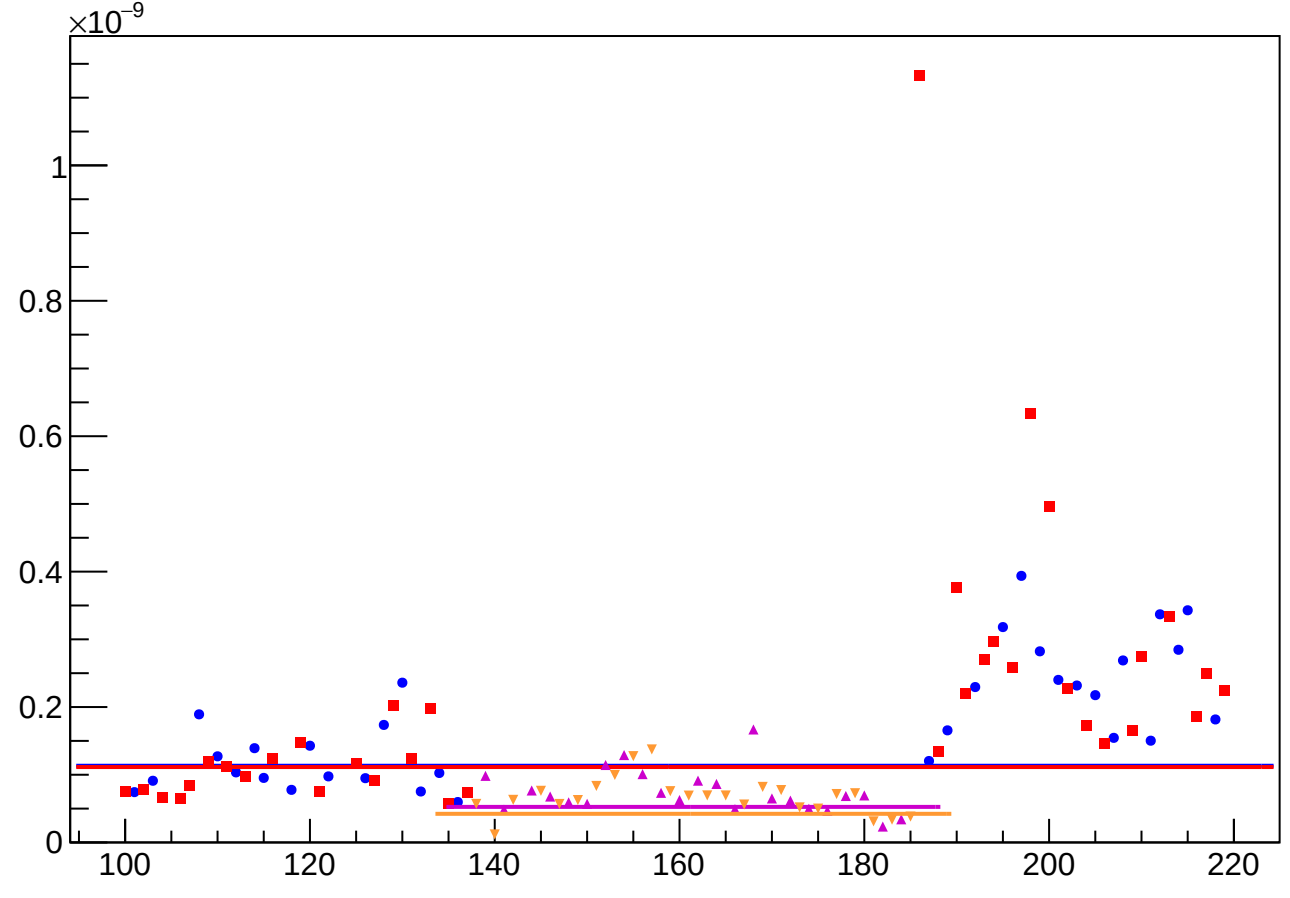
Right: 132.566+/-0.016 χ^2/NDF: 5539989.1/67

In: 167.128+/-0.022 χ^2/NDF:14861039.1/54

Out: 148.513+/-0.020 χ^2/NDF:19029726.3/59

All: 156.928+/-0.015 χ^2/NDF: 34290025.0/11


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 27.2/31
Left Out: -0.000+/-0.000 χ²/NDF:18.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 28.8/35
Left In: -0.000+/-0.000 χ²/NDF:22.8/22
Left: -0.000+/-0.000 χ²/NDF: 41.7/46
Right: -0.000+/-0.000 χ²/NDF: 56.9/67
In: -0.000+/-0.000 χ²/NDF:50.3/54
Out: -0.000+/-0.000 χ²/NDF:48.2/59
All: -0.000+/-0.000 χ²/NDF: 98.8/114



Right In: 0.000+/-0.000 χ^2/NDF: 6278554.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6917797.9/35

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

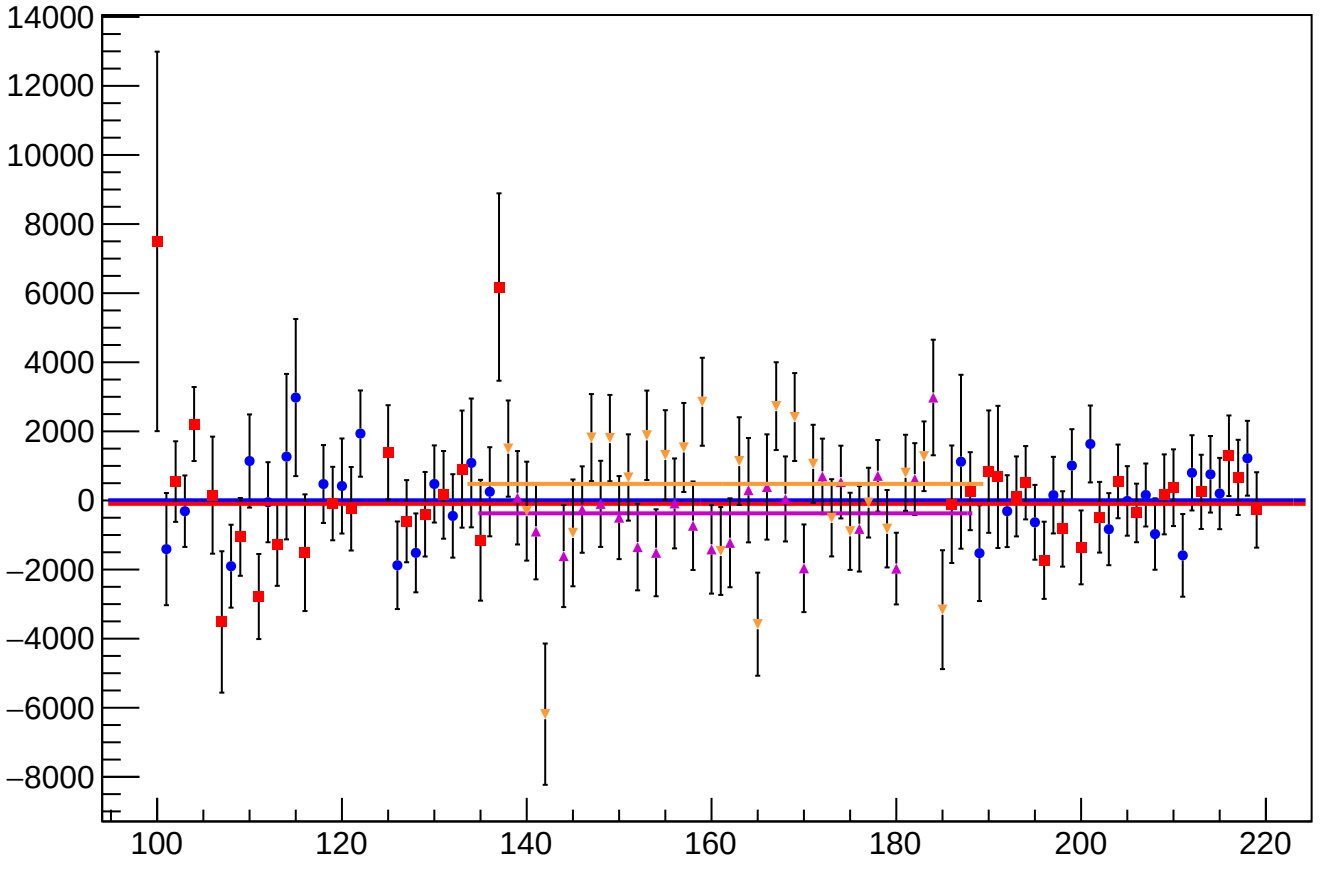
Right: 0.000+/-0.000 χ^2/NDF: 13198966.6/67

In: 0.000+/-0.000 χ^2/NDF:15553376.2/54

Out: 0.000+/-0.000 χ^2/NDF:19682557.5/59

All: 0.000+/-0.000 χ^2/NDF: 35795314.6/114

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: 4.934+/-210.503 χ^2/NDF: 24.0/31

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -98.125+/-206.015 χ^2/NDF: 32.2/35

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

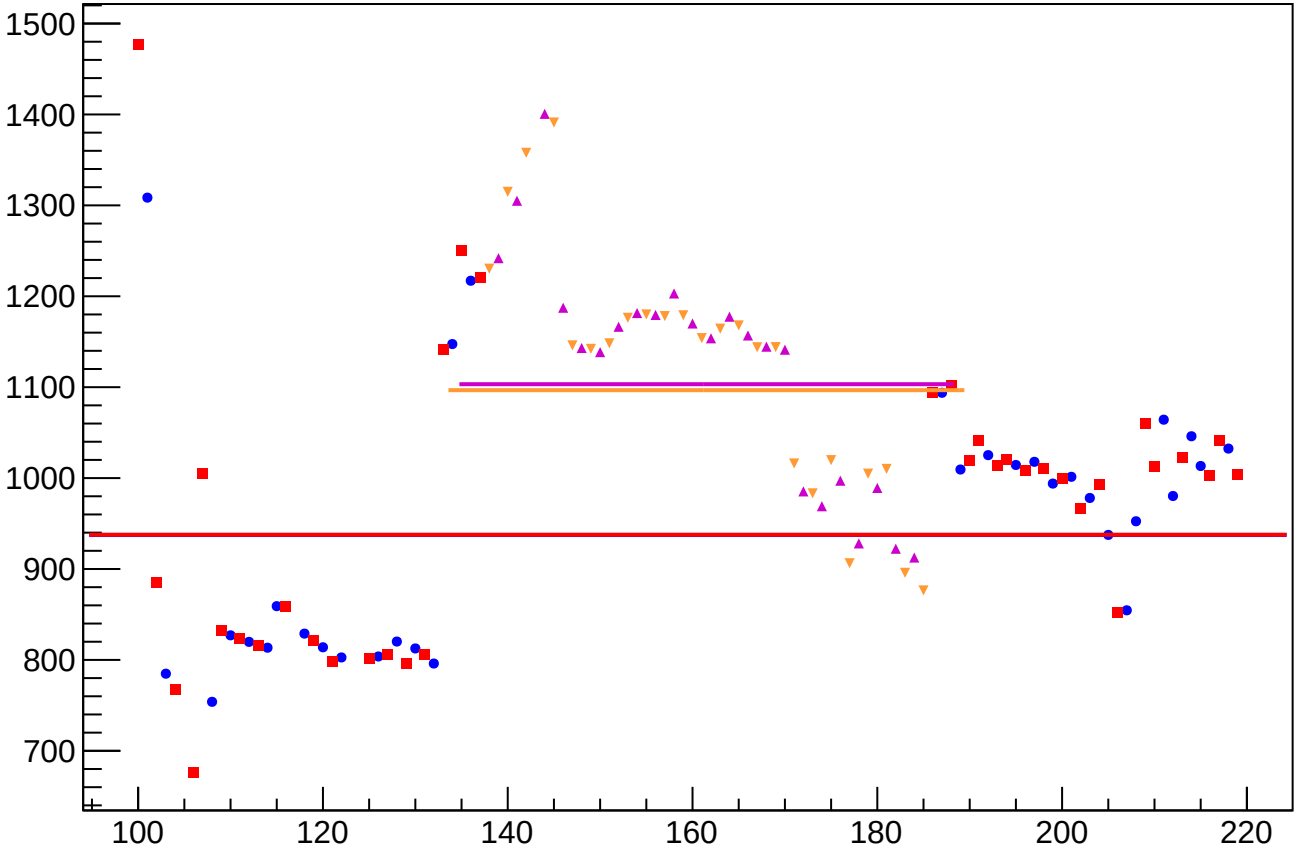
Right: -47.706+/-147.236 χ^2/NDF: 56.3/67

In: -145.158+/-163.433 χ^2/NDF:41.3/54

Out: 128.586+/-160.580 χ^2/NDF:80.4/59

All: -5.876+/-114.542 χ^2/NDF: 123.2/114

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 937.481+/-0.149 χ^2/NDF: 661141.7/31

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 937.665+/-0.145 χ^2/NDF: 692054.7/35

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

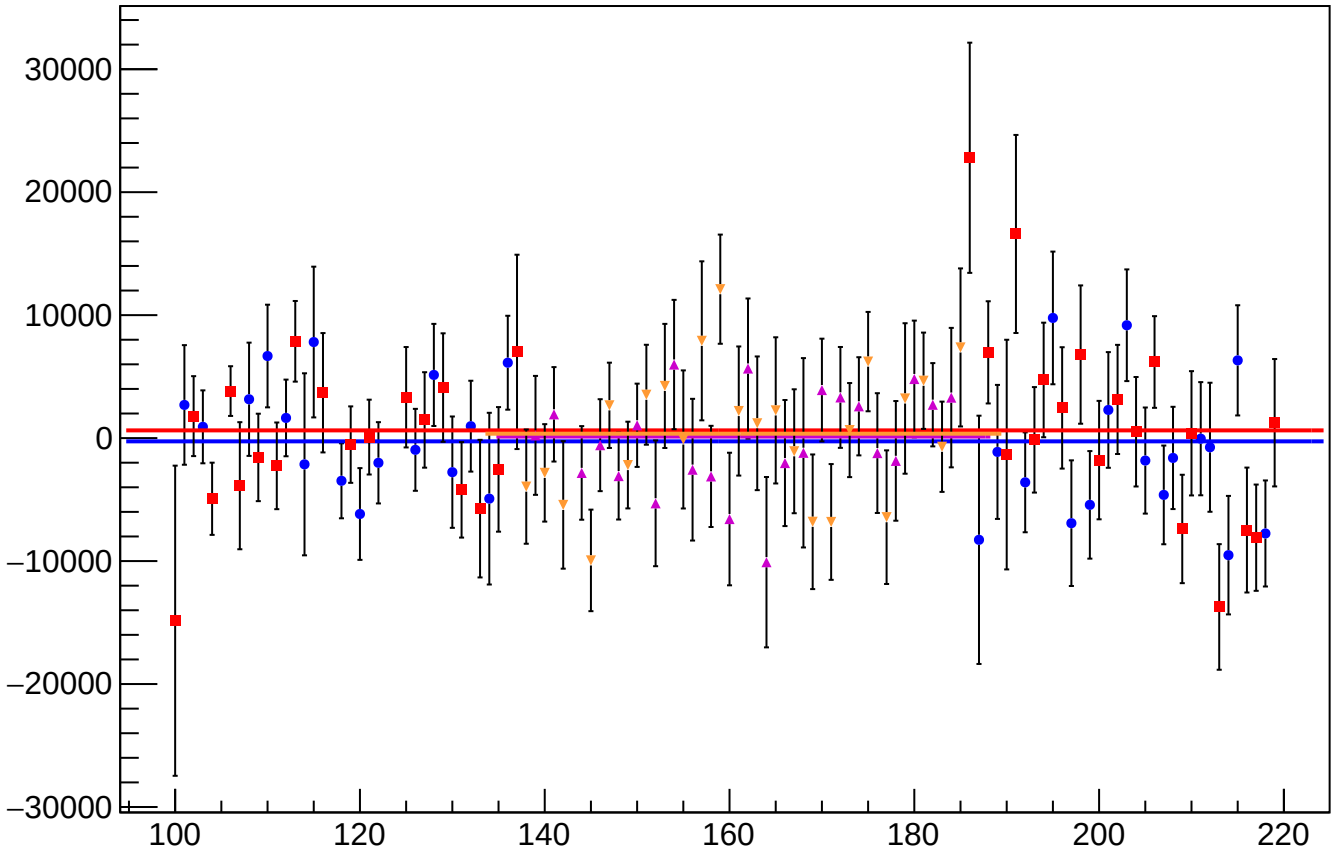
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 937.576+/-0.104 χ^2/NDF: 1353197.1/67

In: 1003.339+/-0.116 χ^2/NDF:1601521.2/54

Out: 999.694+/-0.113 χ^2/NDF:1642233.8/59

All: 1001.479+/-0.081 χ^2/NDF: 3244262.7/11



Right In: -263.988+/-752.701 χ^2/NDF: 38.1/31

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 627.790+/-693.249 χ^2/NDF: 54.7/35

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

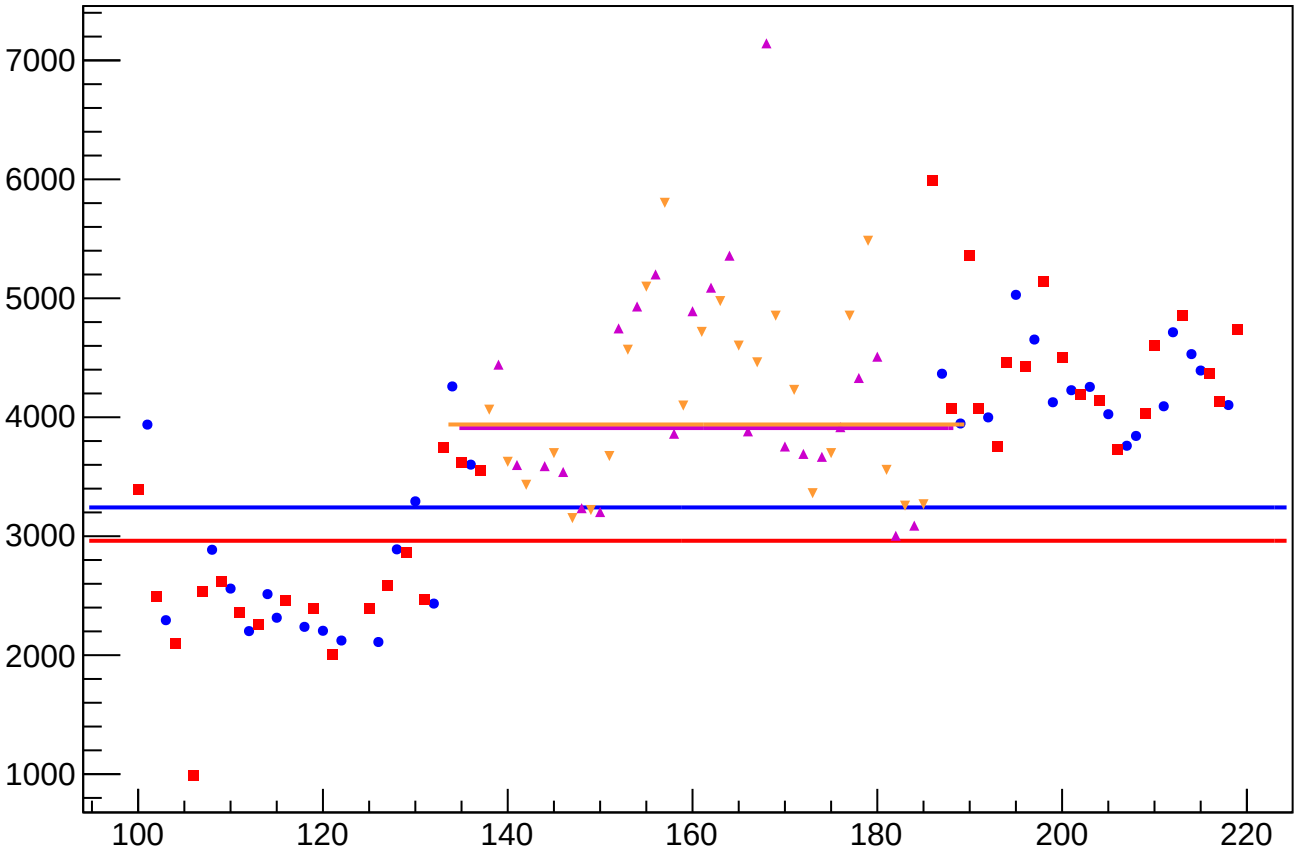
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 218.506+/-509.925 χ^2/NDF: 93.6/67

In: -109.889+/-585.738 χ^2/NDF:52.0/54

Out: 531.889+/-556.713 χ^2/NDF:85.0/59

All: 227.294+/-403.527 χ^2/NDF: 137.6/114



Right In: 3242.021+/-0.532 χ^2/NDF: 3090398.5/31

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2961.645+/-0.490 χ^2/NDF: 5761764.6/35

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

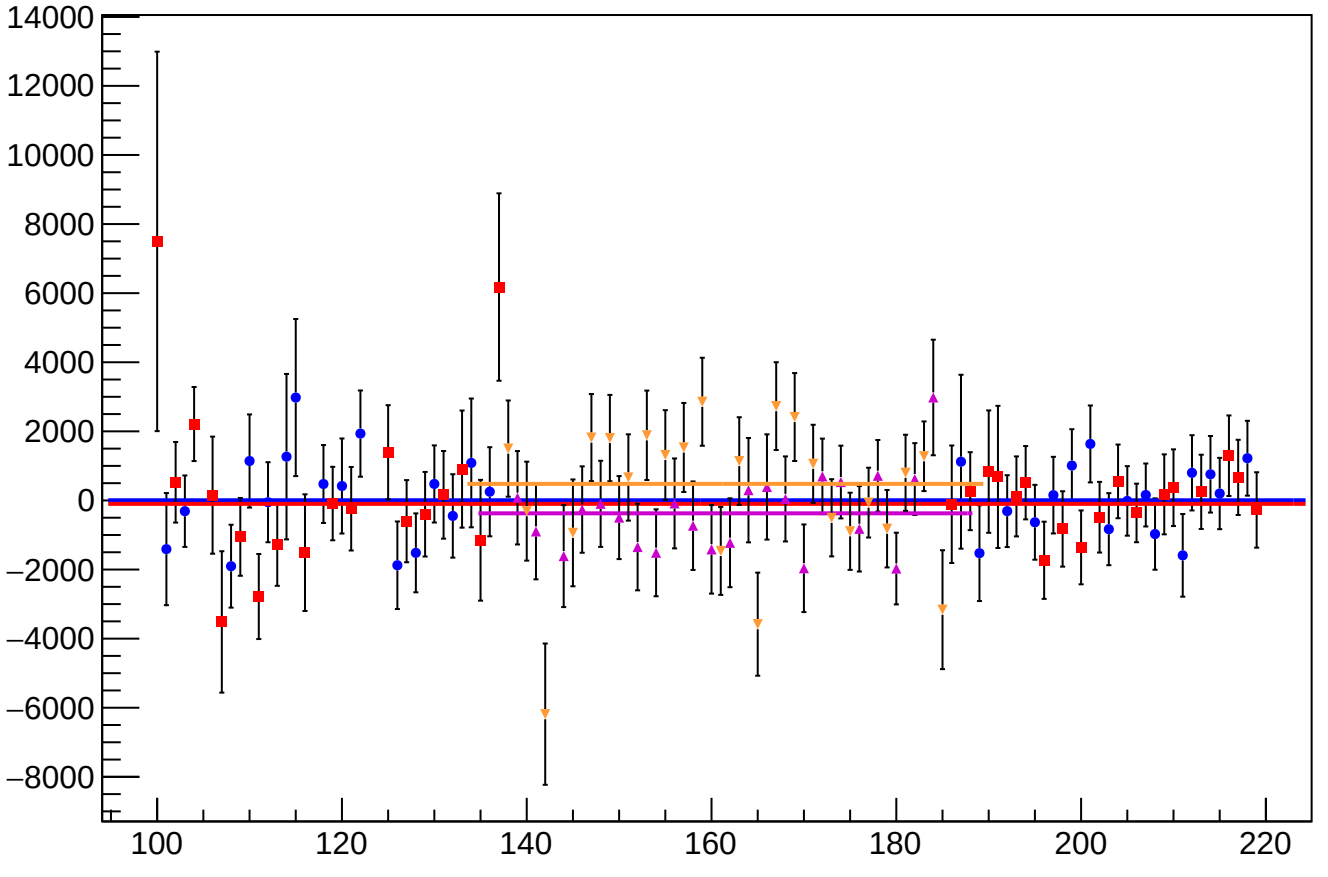
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 3090.324+/-0.361 χ^2/NDF: 9002304.4/67

In: 3505.152+/-0.414 χ^2/NDF:5010838.1/54

Out: 3308.808+/-0.394 χ^2/NDF:8266816.3/59

All: 3401.995+/-0.285 χ^2/NDF: 13395724.9/1



Right In: 4.936+/-210.503 χ^2/NDF: 24.0/31

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -98.812+/-206.017 χ^2/NDF: 32.2/35

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

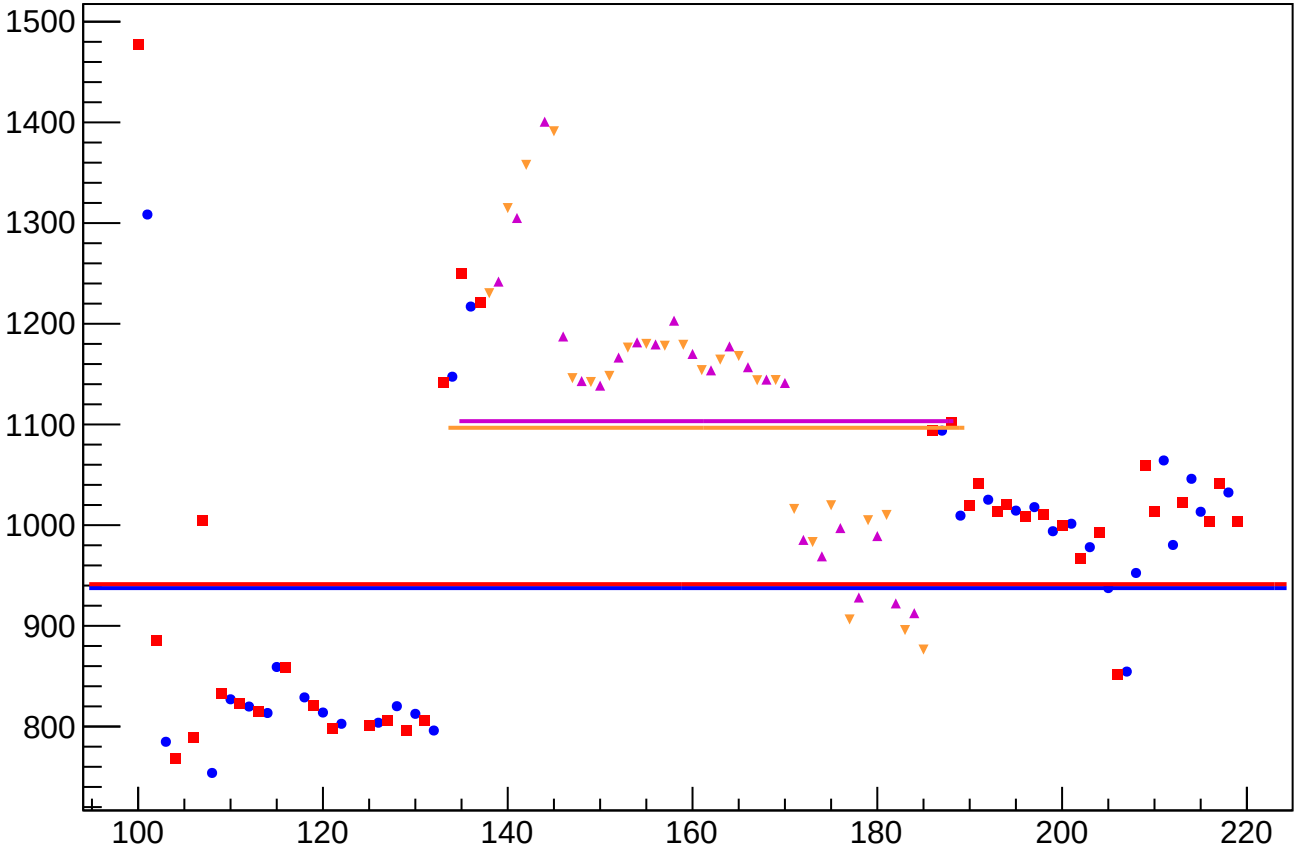
Right: -48.055+/-147.236 χ^2/NDF: 56.3/67

In: -145.147+/-163.433 χ^2/NDF:41.3/54

Out: 128.181+/-160.580 χ^2/NDF:80.4/59

All: -6.077+/-114.543 χ^2/NDF: 123.2/114

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 937.481+/-0.149 χ^2/NDF: 661141.5/31

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 941.401+/-0.145 χ^2/NDF: 630006.0/35

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

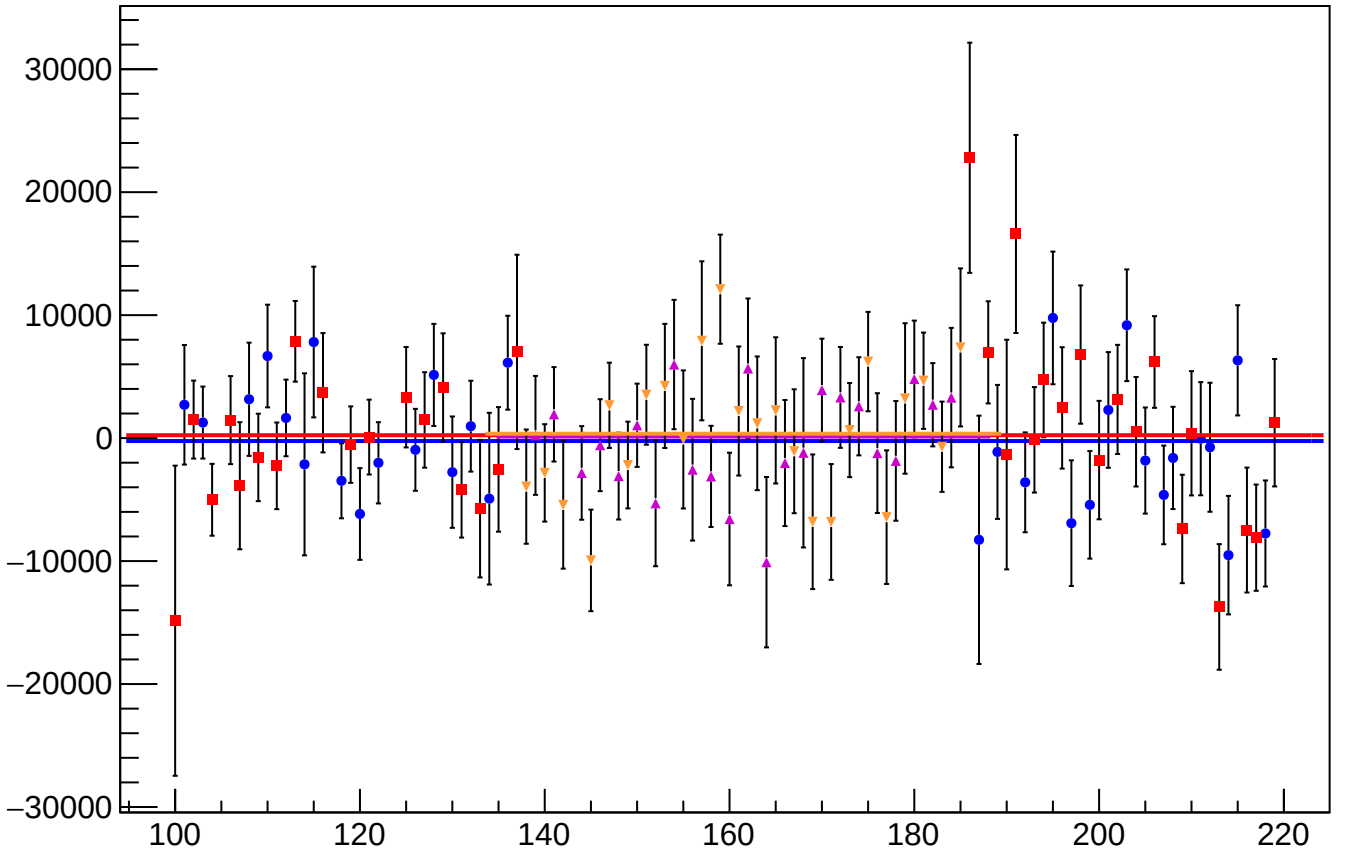
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 939.487+/-0.104 χ^2/NDF: 1291502.4/67

In: 1003.339+/-0.116 χ^2/NDF:1601521.2/54

Out: 1002.195+/-0.113 χ^2/NDF:1557329.8/59

All: 1002.757+/-0.081 χ^2/NDF: 3158900.9/11



Right In: -238.757+/-752.053 χ^2/NDF: 38.2/31

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 234.294+/-721.645 χ^2/NDF: 52.0/35

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

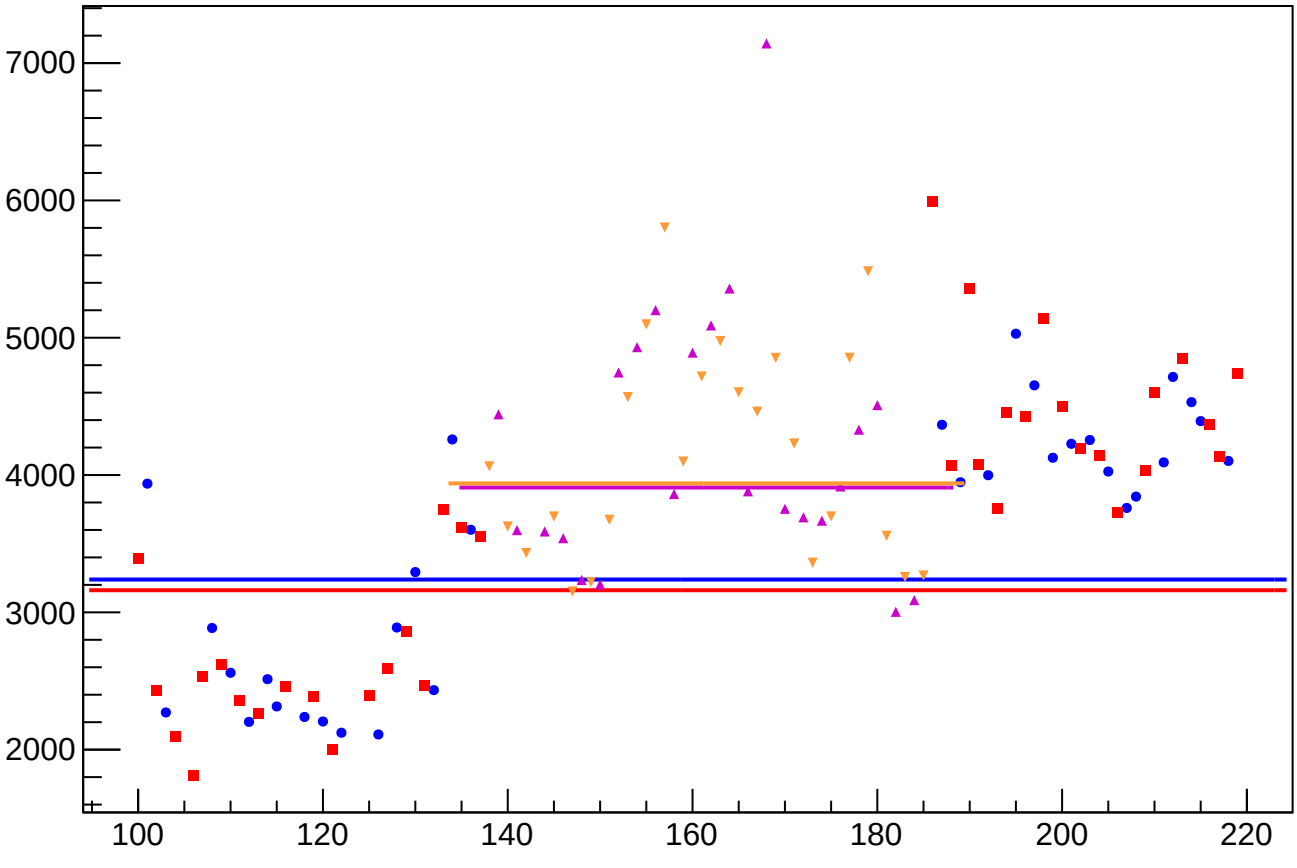
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 7.525+/-520.698 χ^2/NDF: 90.5/67

In: -94.784+/-585.432 χ^2/NDF:52.1/54

Out: 280.422+/-571.101 χ^2/NDF:82.3/59

All: 97.467+/-408.802 χ^2/NDF: 134.6/114



Right In: 3238.860+/-0.532 χ^2/NDF: 3106046.6/31

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 3161.051+/-0.510 χ^2/NDF: 3927662.7/35

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

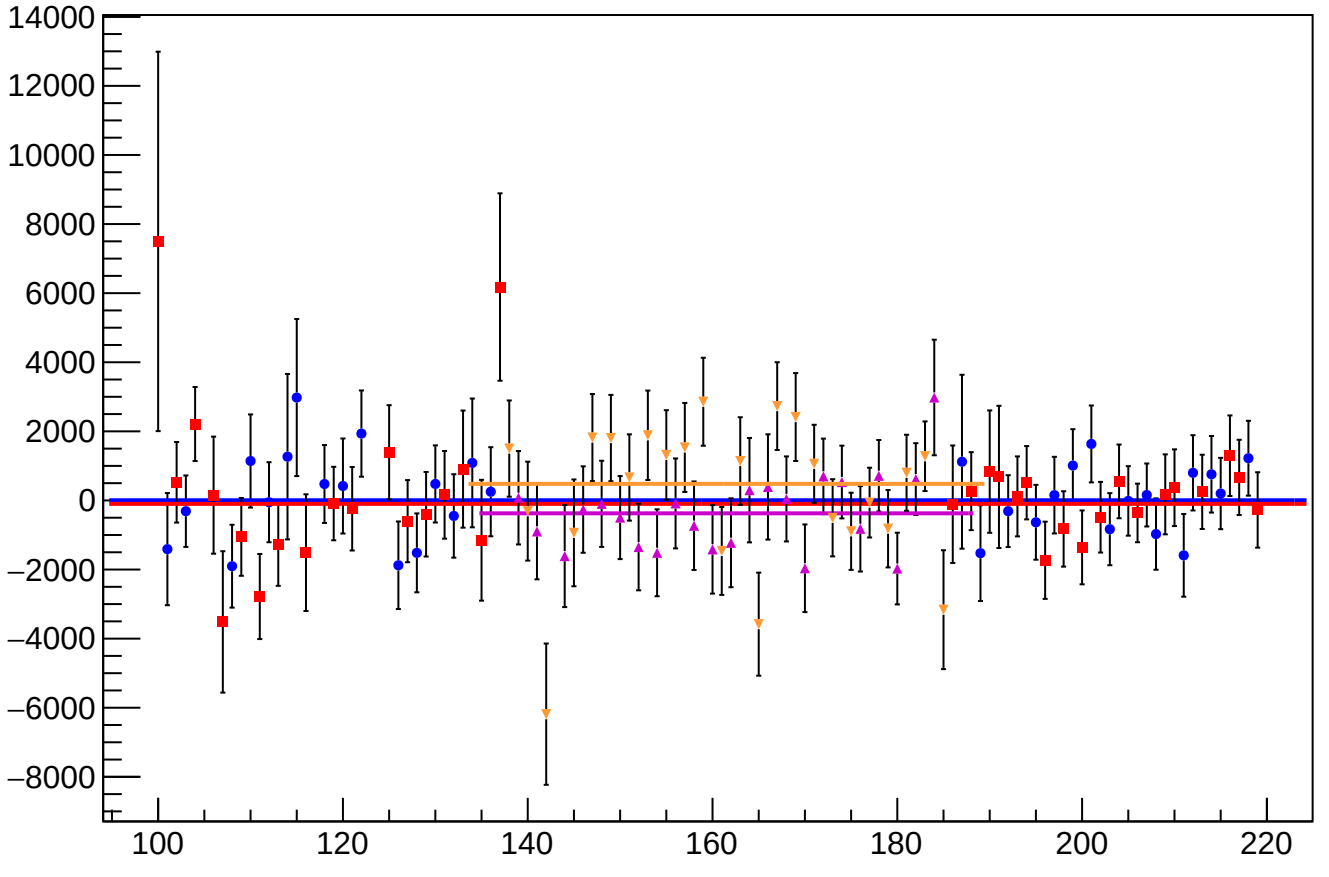
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 3198.351+/-0.368 χ^2/NDF: 7044855.0/67

In: 3502.960+/-0.414 χ^2/NDF:5032796.3/54

Out: 3451.873+/-0.404 χ^2/NDF:5889498.7/59

All: 3476.784+/-0.289 χ^2/NDF: 10930098.8/1



Right In: 4.936+/-210.503 χ^2/NDF: 24.0/31

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -98.812+/-206.017 χ^2/NDF: 32.2/35

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

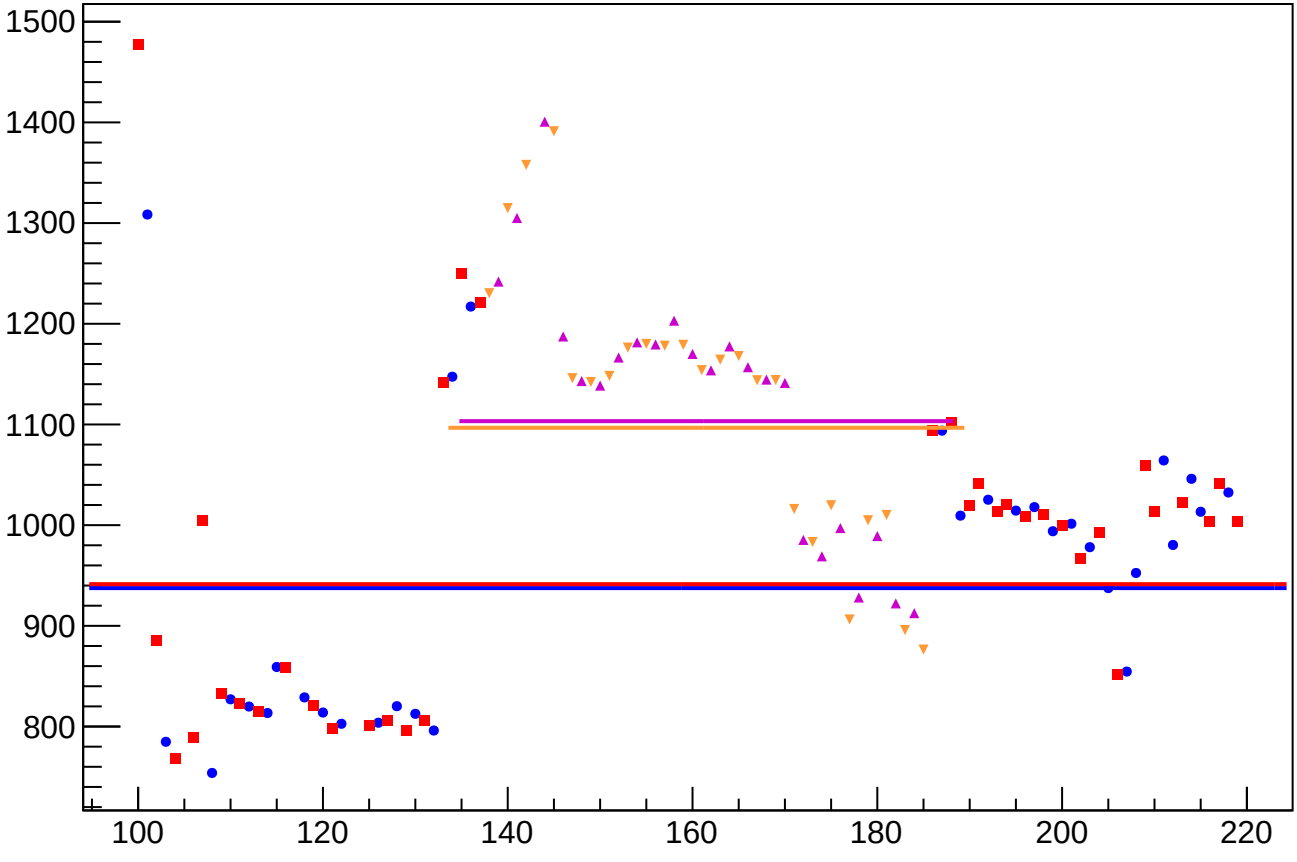
Right: -48.055+/-147.236 χ^2/NDF: 56.3/67

In: -145.147+/-163.433 χ^2/NDF:41.3/54

Out: 128.181+/-160.580 χ^2/NDF:80.4/59

All: -6.077+/-114.543 χ^2/NDF: 123.2/114

eigen_cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 937.481+/-0.149 χ^2/NDF: 661141.5/31

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 941.401+/-0.145 χ^2/NDF: 630006.0/35

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

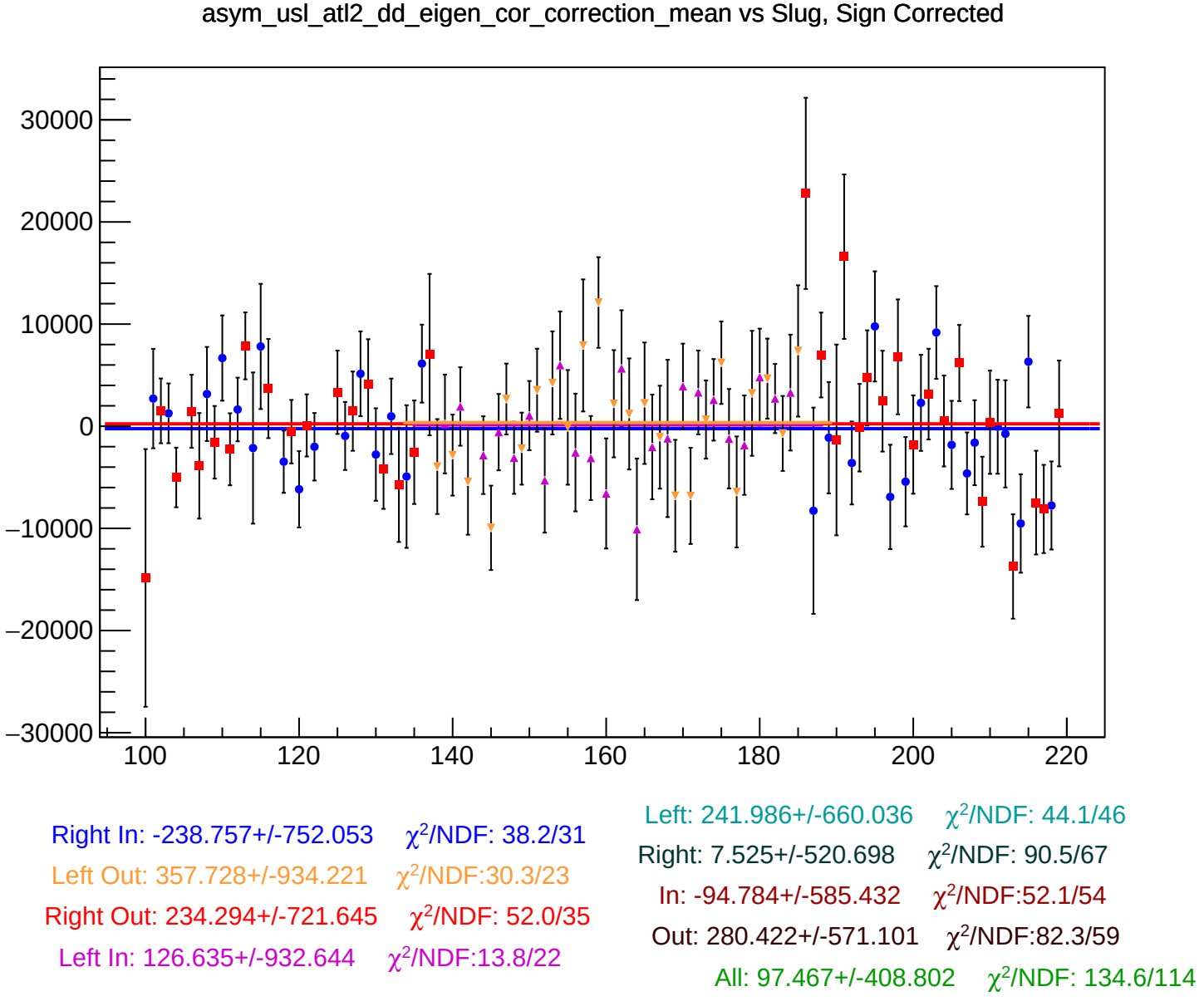
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

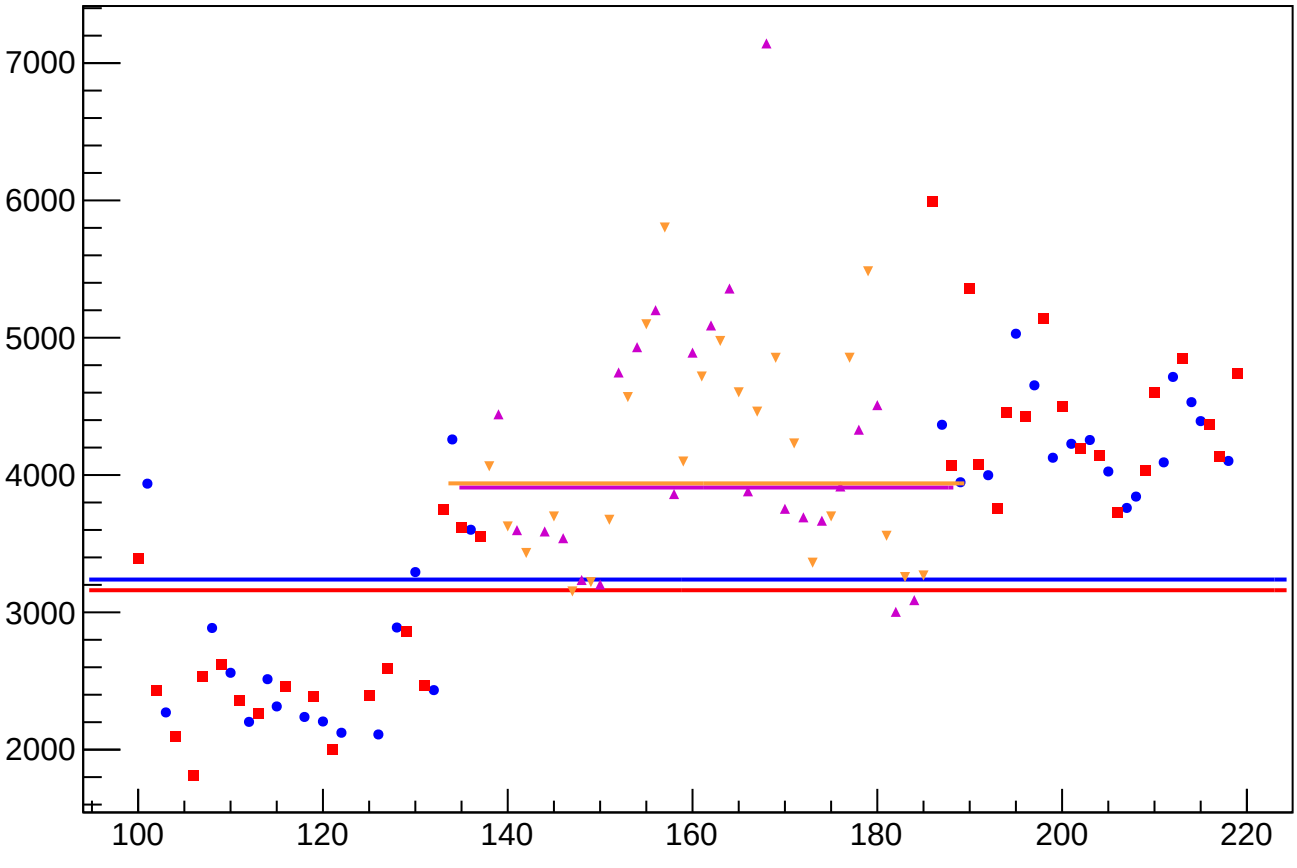
Right: 939.487+/-0.104 χ^2/NDF: 1291502.4/67

In: 1003.339+/-0.116 χ^2/NDF:1601521.2/54

Out: 1002.195+/-0.113 χ^2/NDF:1557329.8/59

All: 1002.757+/-0.081 χ^2/NDF: 3158900.9/11


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: -238.757+/-752.053 χ²/NDF: 38.2/31
Left Out: 357.728+/-934.221 χ²/NDF:30.3/23
Right Out: 234.294+/-721.645 χ²/NDF: 52.0/35
Left In: 126.635+/-932.644 χ²/NDF:13.8/22
Left: 241.986+/-660.036 χ²/NDF: 44.1/46
Right: 7.525+/-520.698 χ²/NDF: 90.5/67
In: -94.784+/-585.432 χ²/NDF:52.1/54
Out: 280.422+/-571.101 χ²/NDF:82.3/59
All: 97.467+/-408.802 χ²/NDF: 134.6/114



Right In: 3238.860+/-0.532 χ^2/NDF: 3106046.6/31

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 3161.051+/-0.510 χ^2/NDF: 3927662.7/35

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

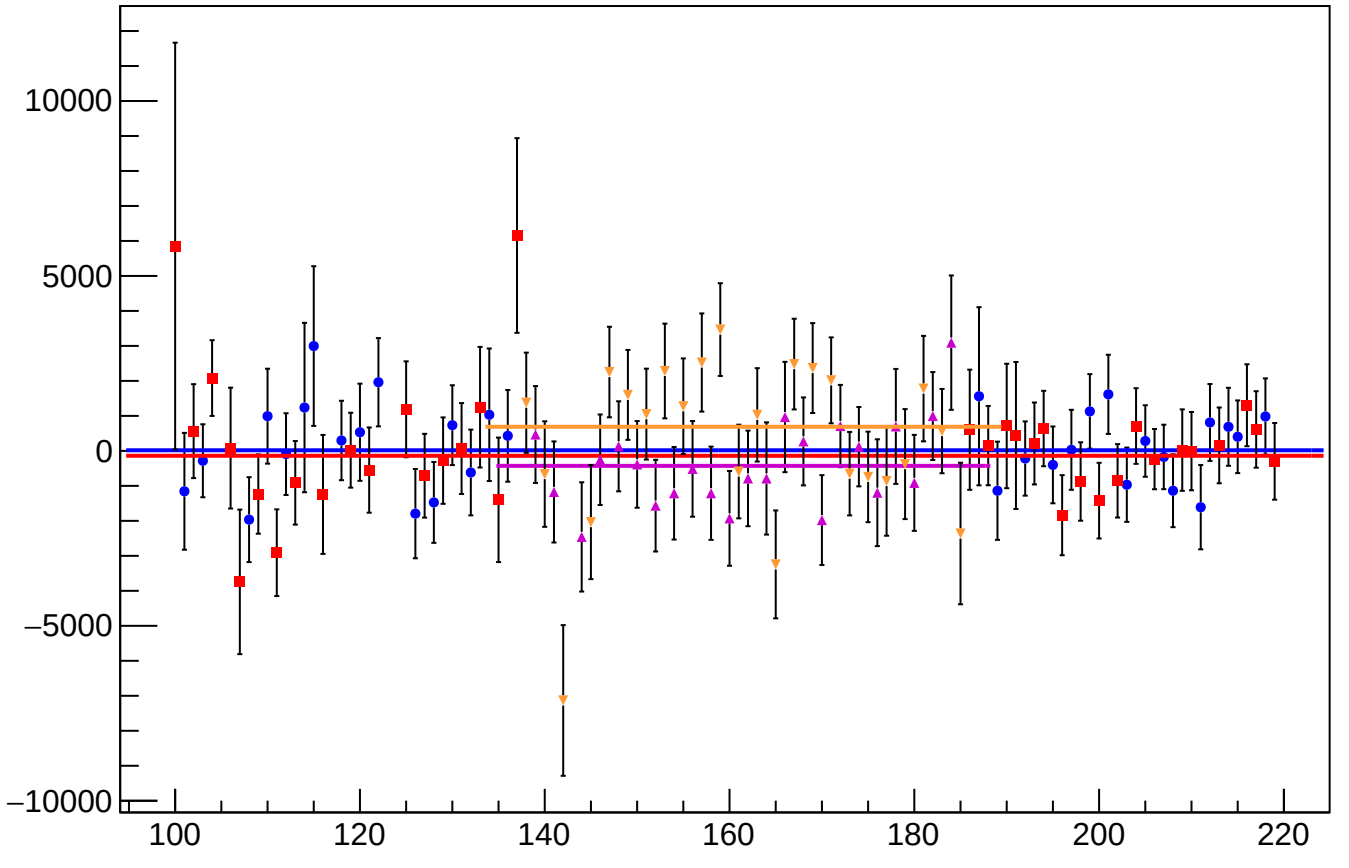
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 3198.351+/-0.368 χ^2/NDF: 7044855.0/67

In: 3502.960+/-0.414 χ^2/NDF:5032796.3/54

Out: 3451.873+/-0.404 χ^2/NDF:5889498.7/59

All: 3476.784+/-0.289 χ^2/NDF: 10930098.8/1



Right In: 16.967+/-213.052 χ^2/NDF: 23.2/31

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -139.765+/-209.159 χ^2/NDF: 31.4/35

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

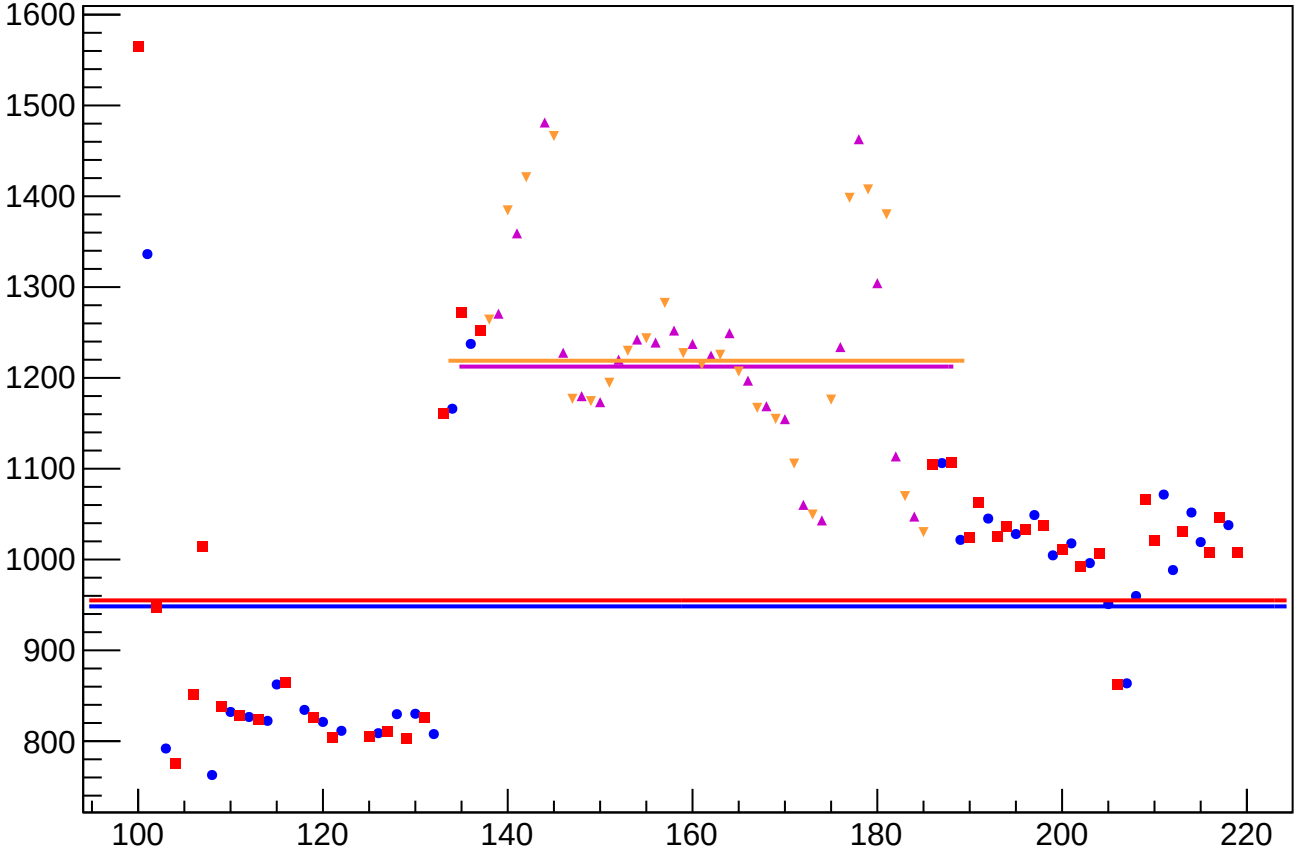
Right: -62.844+/-149.255 χ^2/NDF: 54.9/67

In: -143.014+/-170.509 χ^2/NDF:39.4/54

Out: 151.192+/-168.495 χ^2/NDF:82.7/59

All: 5.837+/-119.850 χ^2/NDF: 123.6/114

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 948.401+/-0.151 χ^2/NDF: 675203.4/31

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 955.008+/-0.148 χ^2/NDF: 626378.4/35

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

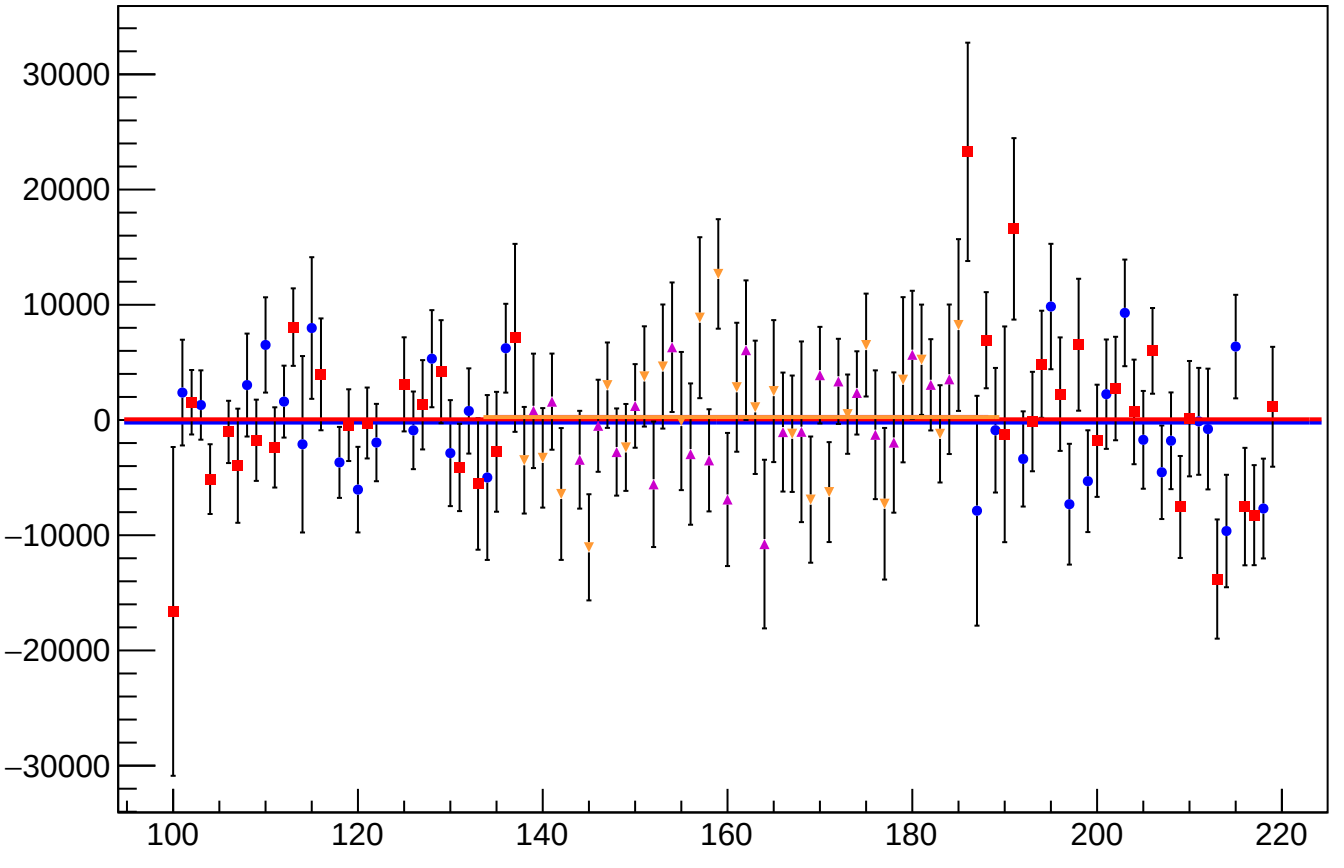
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 951.767+/-0.106 χ^2/NDF: 1302561.7/67

In: 1043.323+/-0.121 χ^2/NDF:2039874.3/54

Out: 1047.605+/-0.119 χ^2/NDF:2038387.6/59

All: 1045.490+/-0.085 χ^2/NDF: 4078900.1/11



Right In: -224.445+/-756.612 χ^2/NDF: 37.9/31

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 58.872+/-709.227 χ^2/NDF: 52.0/35

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

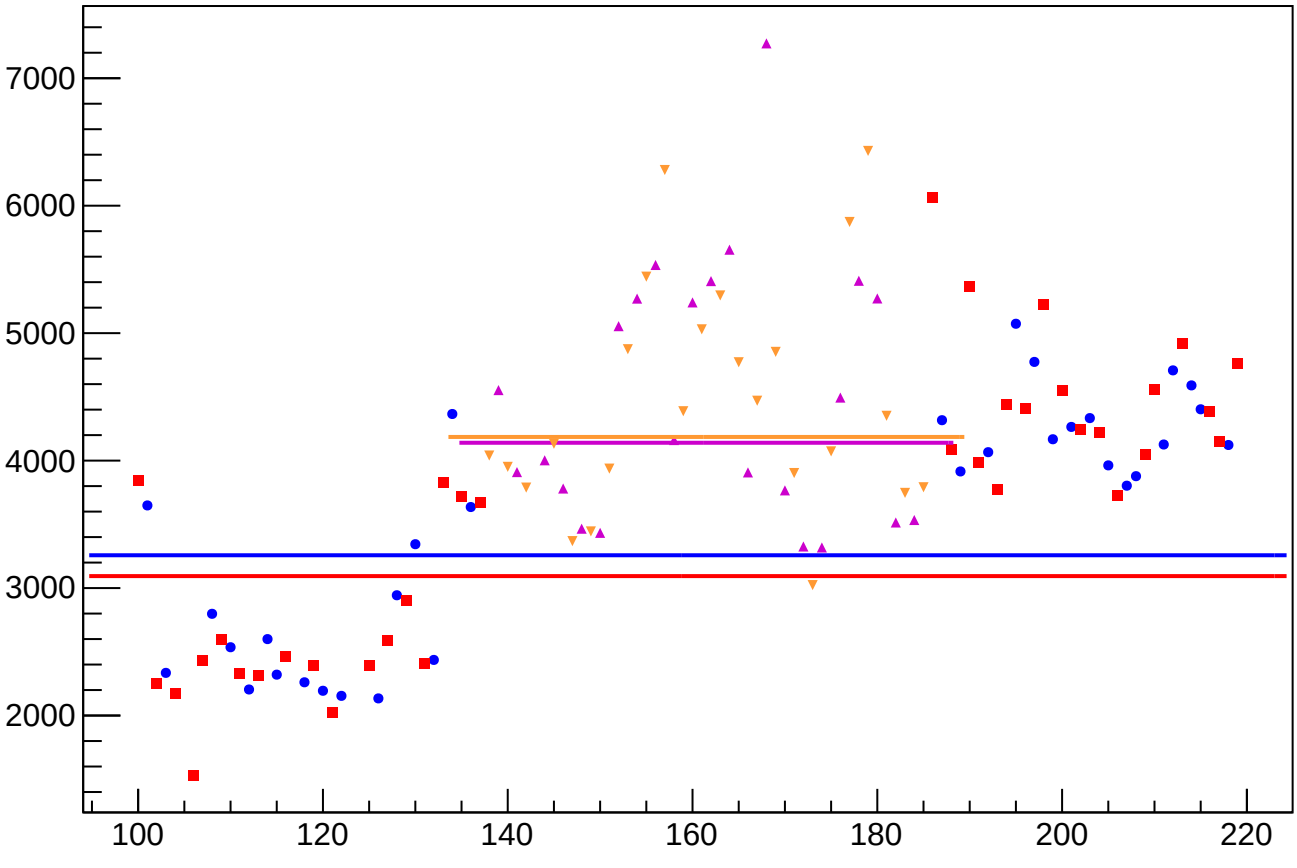
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: -73.638+/-517.440 χ^2/NDF: 90.0/67

In: -43.540+/-601.170 χ^2/NDF:51.5/54

Out: 124.194+/-577.559 χ^2/NDF:81.8/59

All: 43.686+/-416.493 χ^2/NDF: 133.3/114



Right In: 3257.465+/-0.535 χ^2/NDF: 3081575.0/31

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 3093.932+/-0.501 χ^2/NDF: 4481835.1/35

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

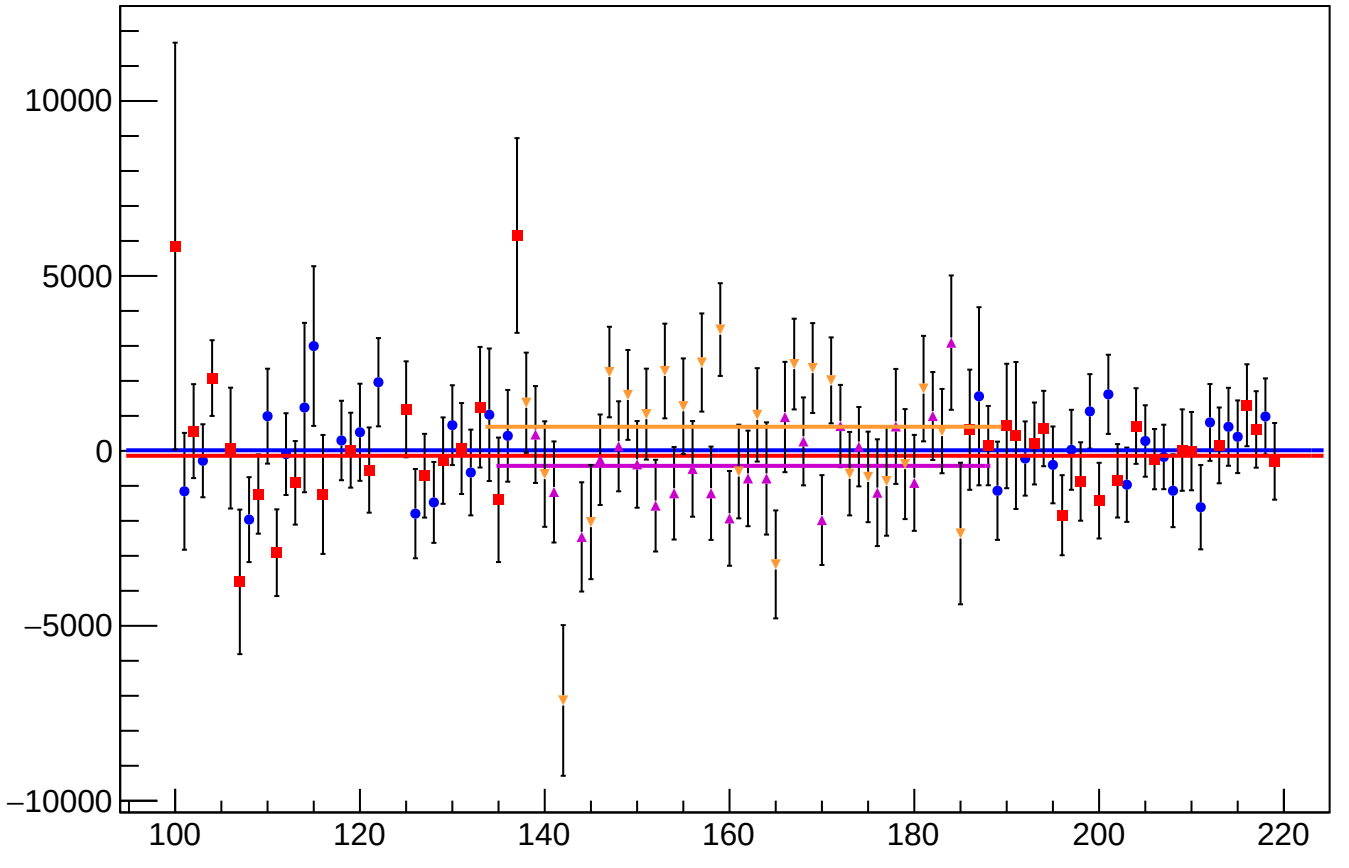
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 3170.417+/-0.366 χ^2/NDF: 7613143.4/67

In: 3582.859+/-0.425 χ^2/NDF:5534842.4/54

Out: 3461.661+/-0.408 χ^2/NDF:7349335.5/59

All: 3519.833+/-0.295 χ^2/NDF: 12926448.9/1



Right In: 16.965+/-213.052 χ^2/NDF: 23.2/31

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -139.764+/-209.159 χ^2/NDF: 31.4/35

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

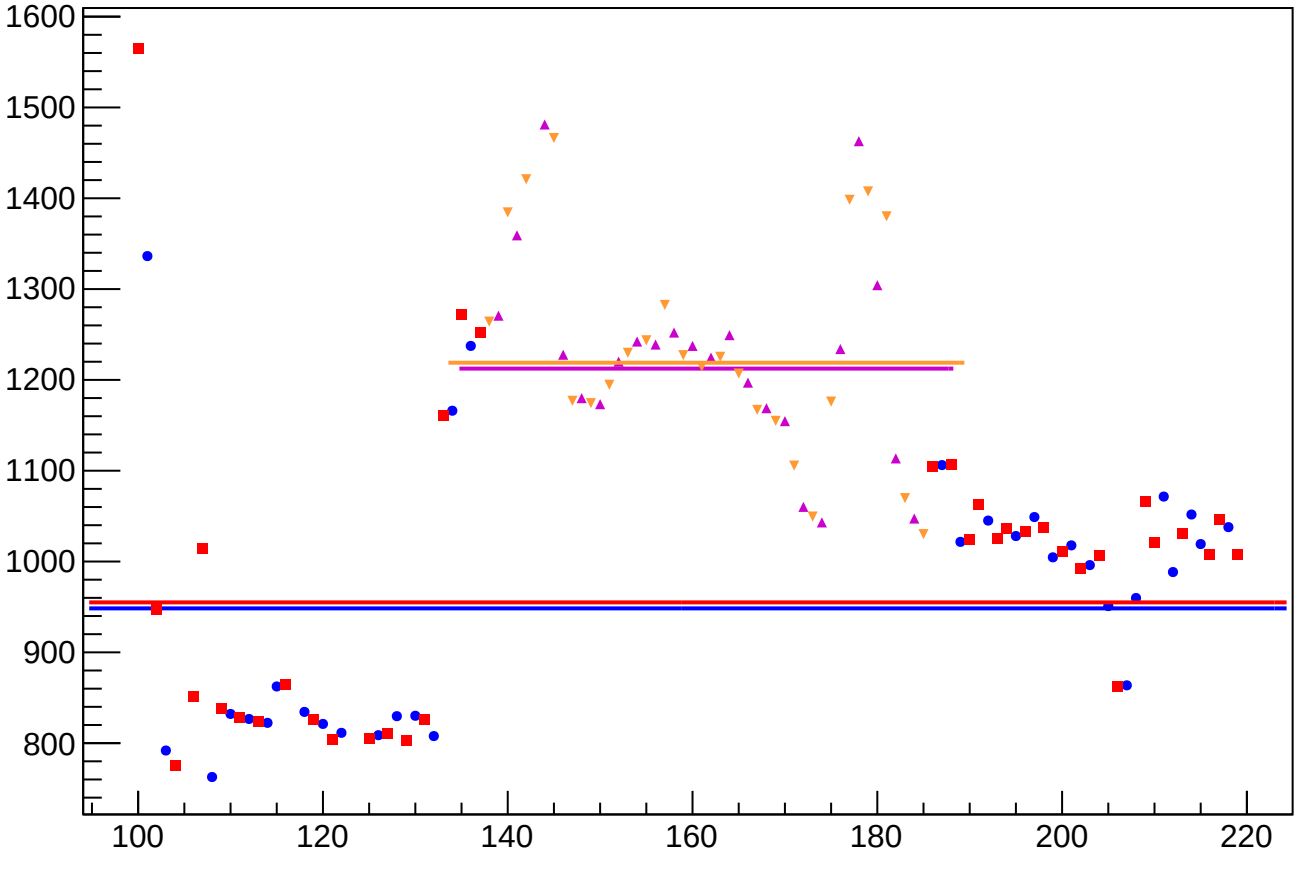
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -62.845+/-149.255 χ^2/NDF: 54.9/67

In: -143.014+/-170.509 χ^2/NDF:39.4/54

Out: 151.193+/-168.495 χ^2/NDF:82.7/59

All: 5.837+/-119.850 χ^2/NDF: 123.6/114



Right In: 948.401+/-0.151 χ^2/NDF: 675203.2/31

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 955.008+/-0.148 χ^2/NDF: 626378.8/35

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

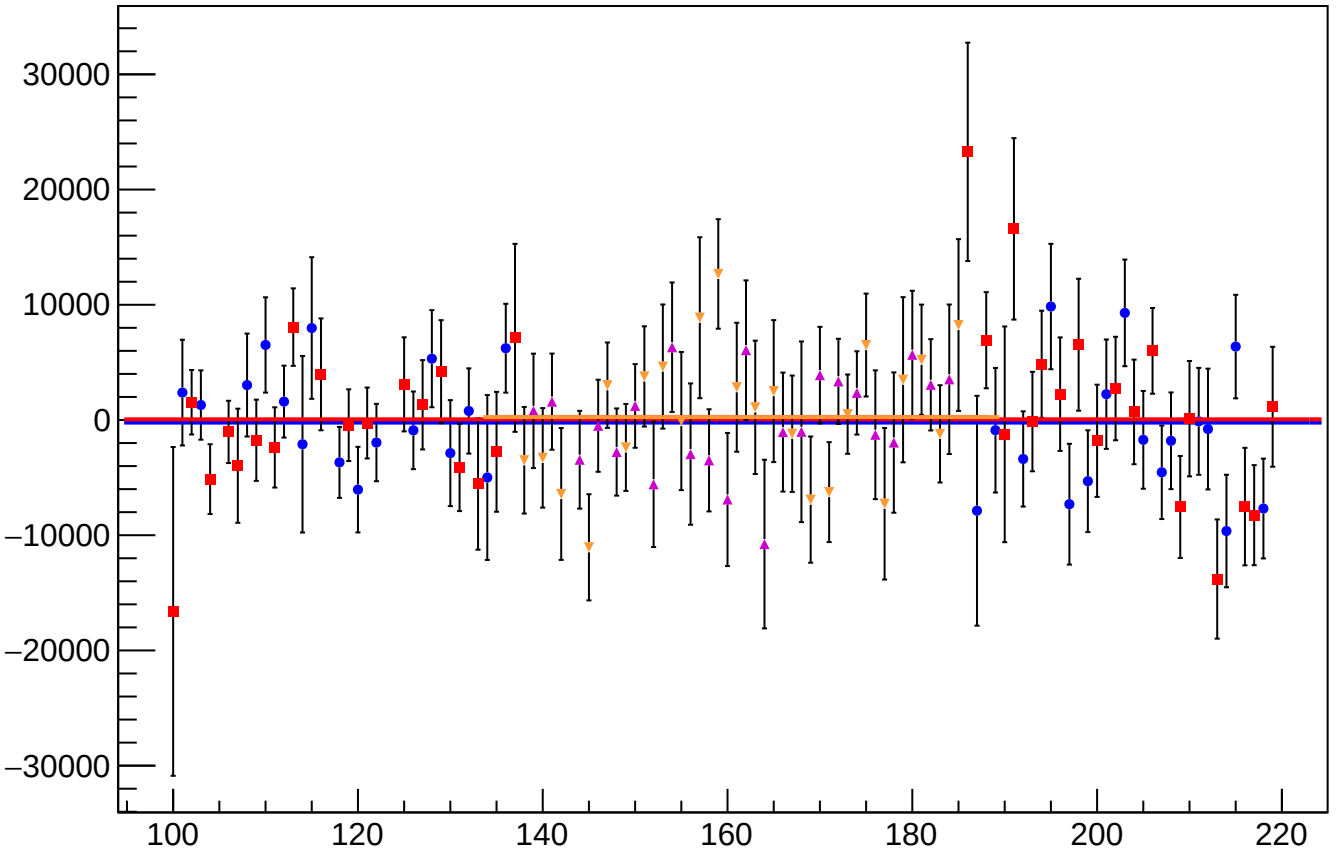
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 951.767+/-0.106 χ^2/NDF: 1302561.9/67

In: 1043.324+/-0.121 χ^2/NDF:2039890.4/54

Out: 1047.606+/-0.119 χ^2/NDF:2038405.9/59

All: 1045.491+/-0.085 χ^2/NDF: 4078934.6/11



Right In: -224.445+/-756.611 χ^2/NDF: 37.9/31

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: 58.868+/-709.226 χ^2/NDF: 52.0/35

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

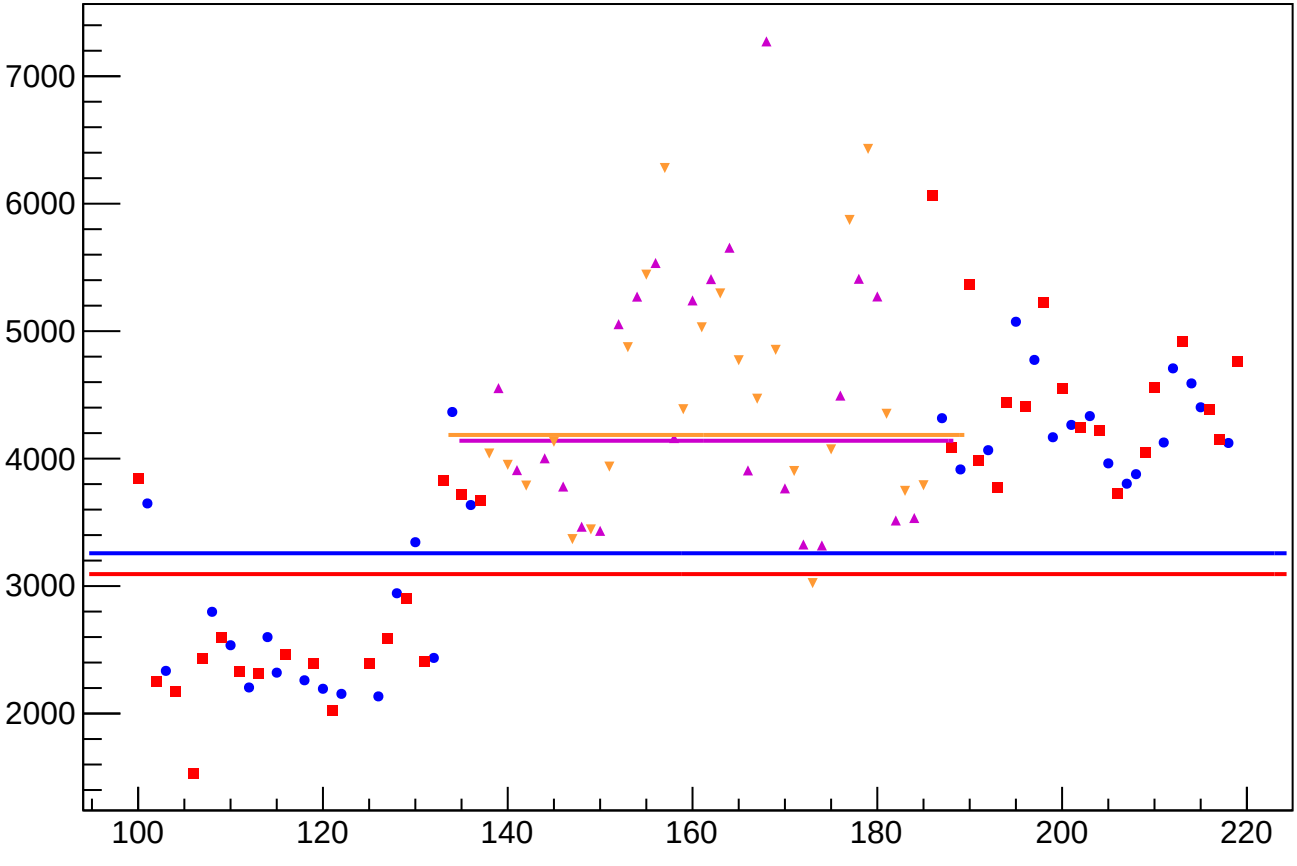
Right: -73.639+/-517.440 χ^2/NDF: 90.0/67

In: -43.541+/-601.170 χ^2/NDF:51.5/54

Out: 124.192+/-577.559 χ^2/NDF:81.8/59

All: 43.685+/-416.493 χ^2/NDF: 133.3/114

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3257.460+/-0.535 χ^2/NDF: 3081633.3/31

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 3093.926+/-0.501 χ^2/NDF: 4481885.5/35

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

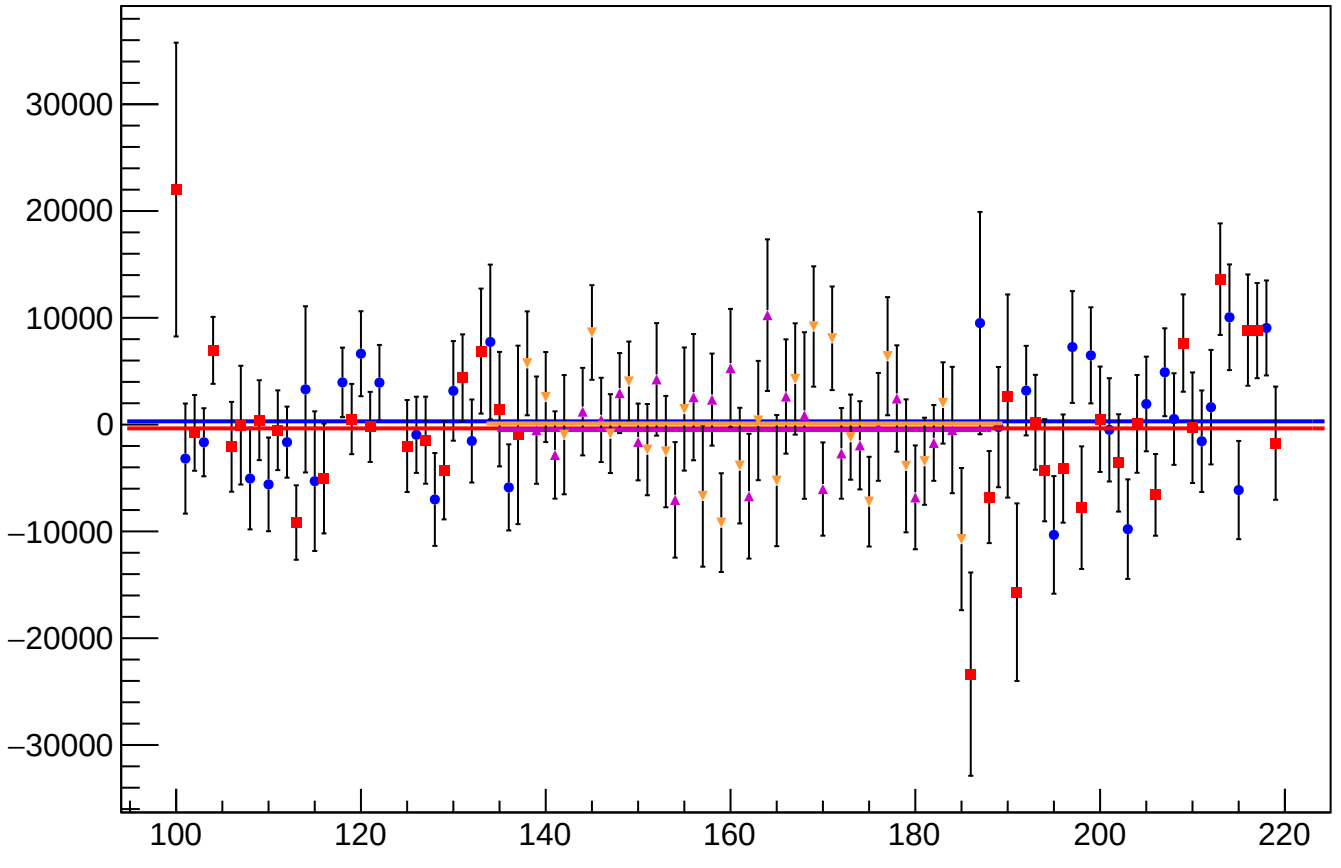
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 3170.412+/-0.366 χ^2/NDF: 7613252.5/67

In: 3582.857+/-0.425 χ^2/NDF:5534927.9/54

Out: 3461.659+/-0.408 χ^2/NDF:7349421.8/59

All: 3519.831+/-0.295 χ^2/NDF: 12926621.5/1



Right In: 306.743+/-787.778 χ^2/NDF: 41.6/31

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: -353.362+/-760.760 χ^2/NDF: 54.9/35

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

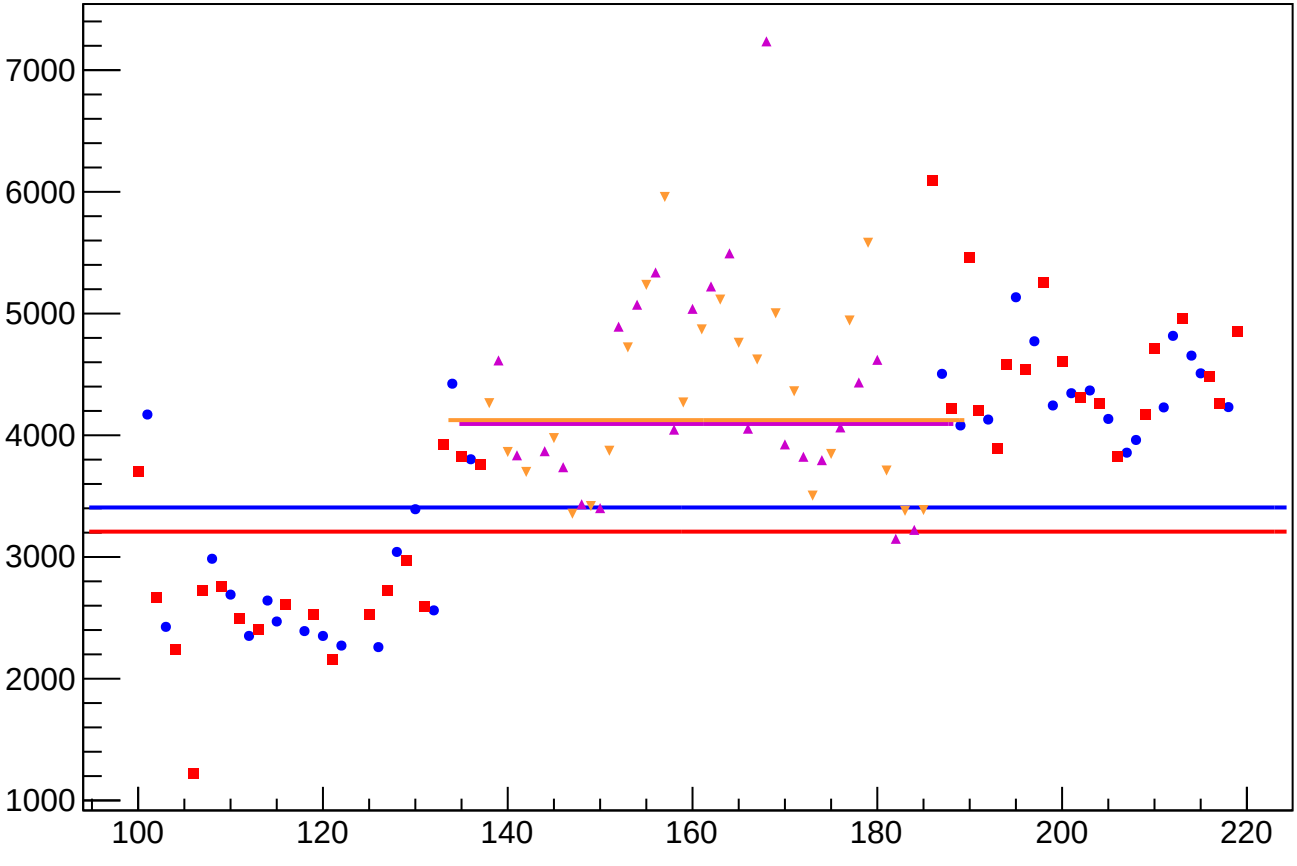
Right: -34.824+/-547.241 χ^2/NDF: 96.8/67

In: -15.797+/-612.554 χ^2/NDF:55.5/54

Out: -178.539+/-599.923 χ^2/NDF:83.0/59

All: -98.863+/-428.606 χ^2/NDF: 138.6/114

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 3406.933+/-0.557 χ^2/NDF: 2772303.4/31

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 3208.384+/-0.523 χ^2/NDF: 4594785.4/35

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

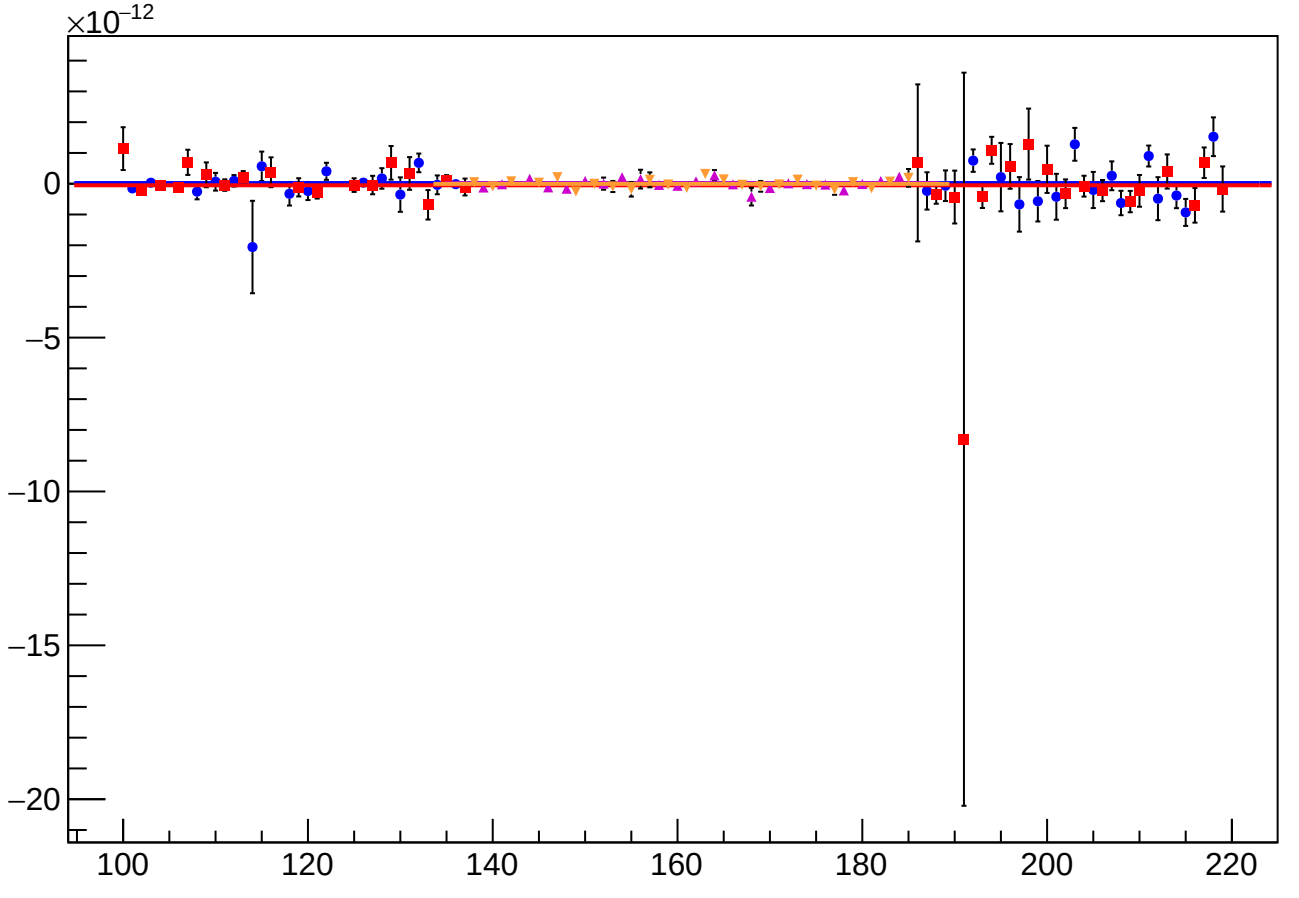
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3301.397+/-0.381 χ^2/NDF: 7434617.0/67

In: 3678.217+/-0.433 χ^2/NDF:4535024.8/54

Out: 3542.708+/-0.417 χ^2/NDF:6684634.2/59

All: 3607.849+/-0.300 χ^2/NDF: 11270484.9/1



Right In: 0.000+/-0.000 χ^2/NDF: 48.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/35

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

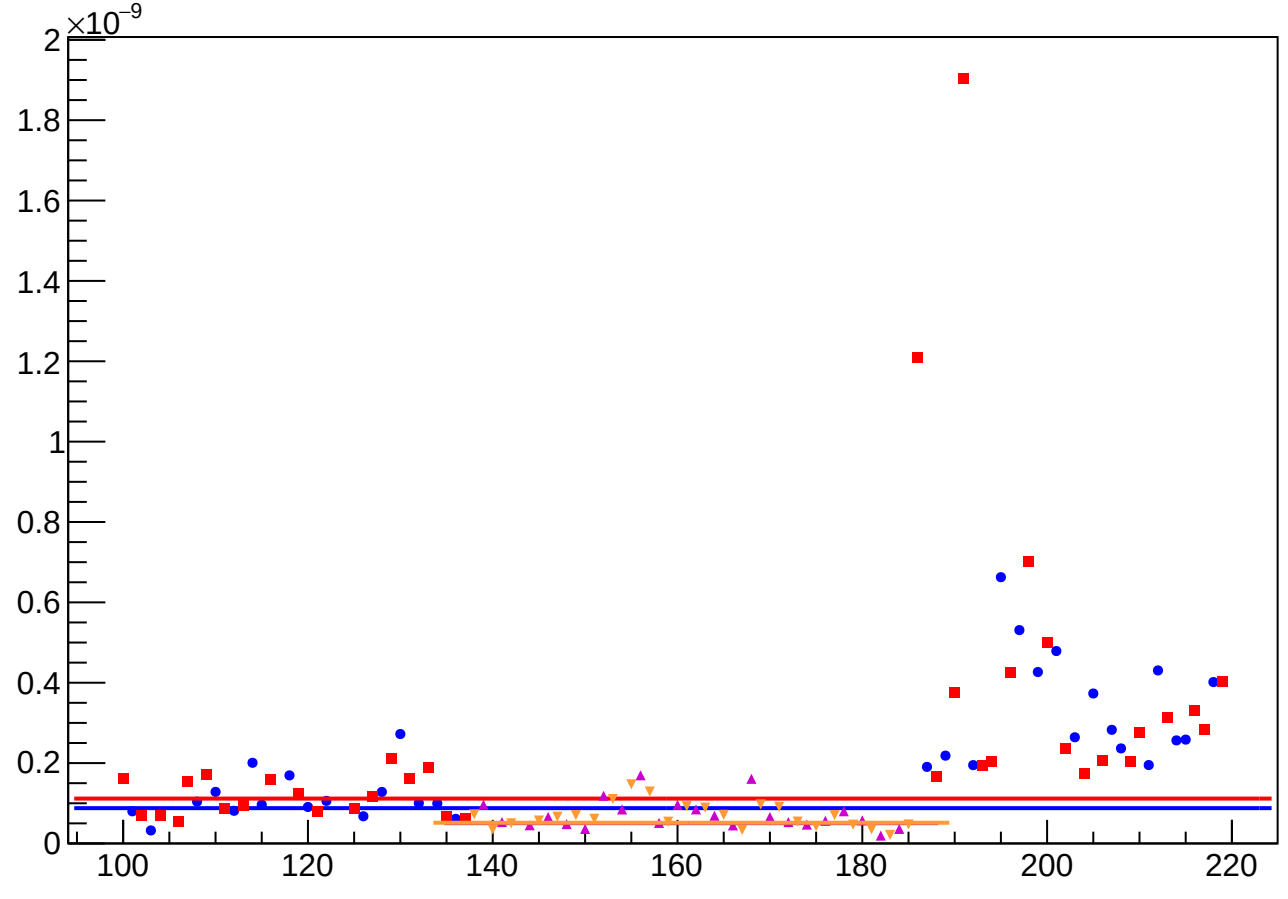
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 86.3/67

In: 0.000+/-0.000 χ^2/NDF:74.4/54

Out: -0.000+/-0.000 χ^2/NDF:61.2/59

All: 0.000+/-0.000 χ^2/NDF: 136.9/114



Right In: 0.000+/-0.000 χ^2/NDF: 7373140.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5354099.1/35

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

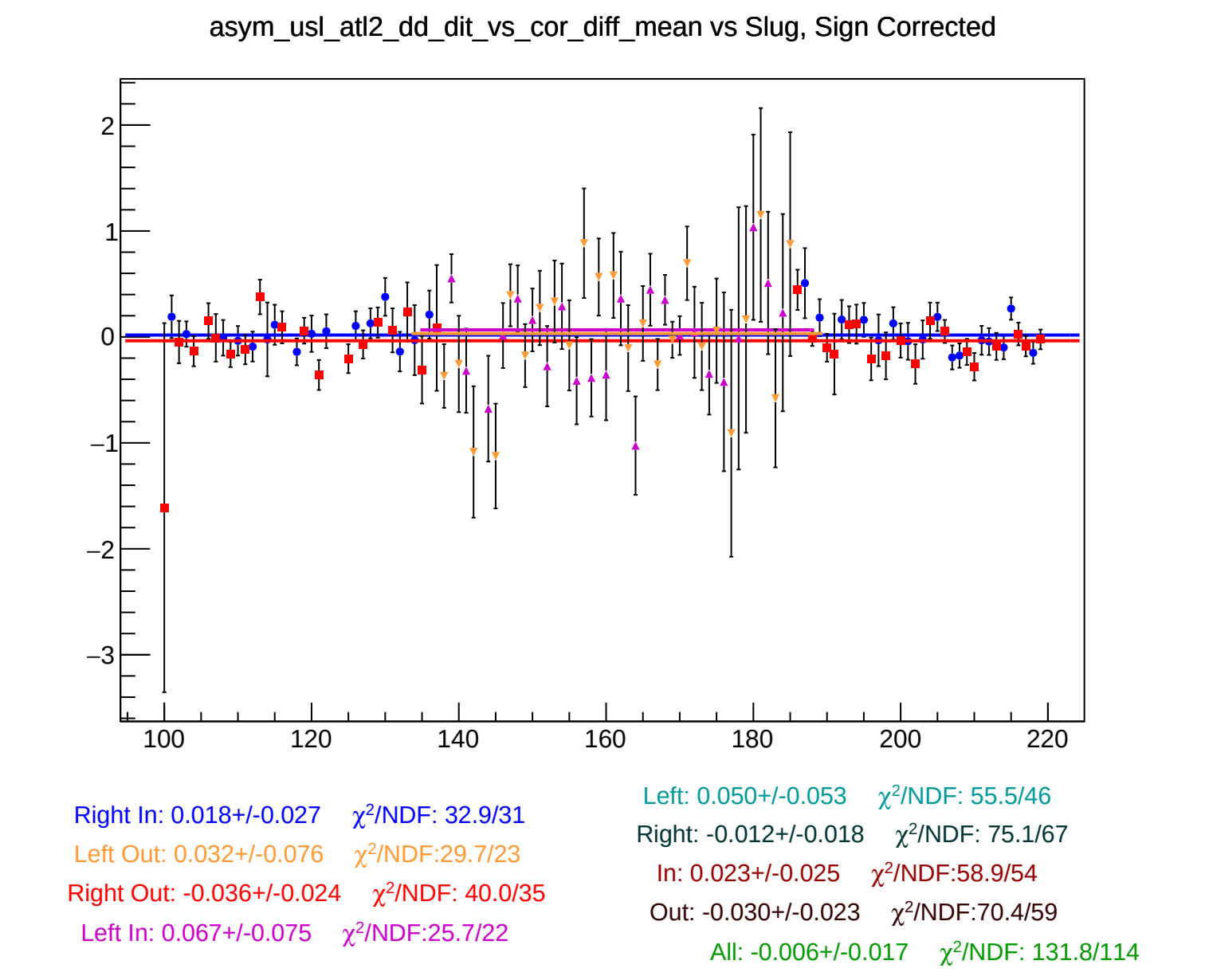
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

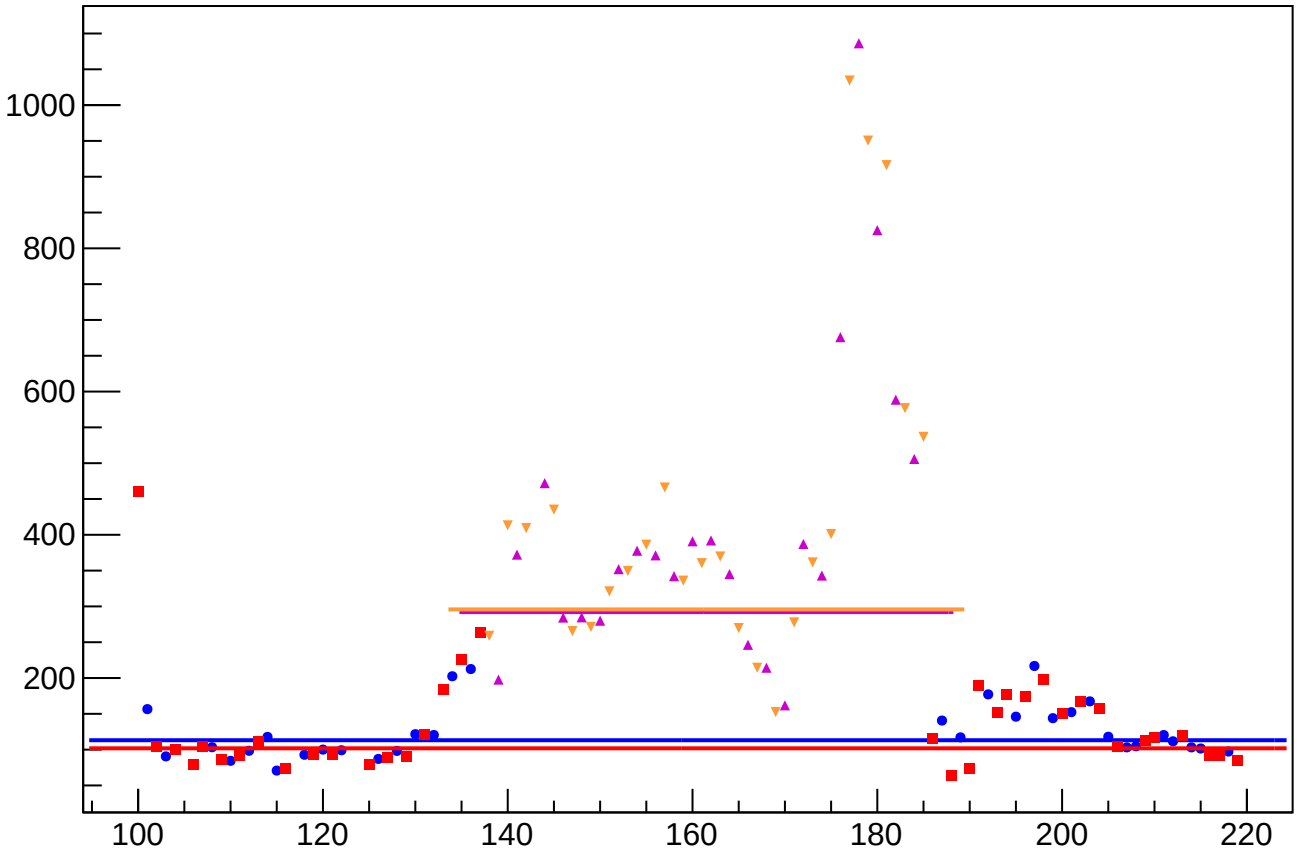
Right: 0.000+/-0.000 χ^2/NDF: 13005657.4/67

In: 0.000+/-0.000 χ^2/NDF:11064629.0/54

Out: 0.000+/-0.000 χ^2/NDF:10171755.8/59

All: 0.000+/-0.000 χ^2/NDF: 21265943.2/114


asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.018+/-0.027 χ²/NDF: 32.9/31
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: -0.036+/-0.024 χ²/NDF: 40.0/35
Left In: 0.067+/-0.075 χ²/NDF:25.7/22
Left: 0.050+/-0.053 χ²/NDF: 55.5/46
Right: -0.012+/-0.018 χ²/NDF: 75.1/67
In: 0.023+/-0.025 χ²/NDF:58.9/54
Out: -0.030+/-0.023 χ²/NDF:70.4/59
All: -0.006+/-0.017 χ²/NDF: 131.8/114



Right In: 113.144+/-0.019 χ^2/NDF: 2271094.0/31

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 101.846+/-0.017 χ^2/NDF: 3762123.6/35

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

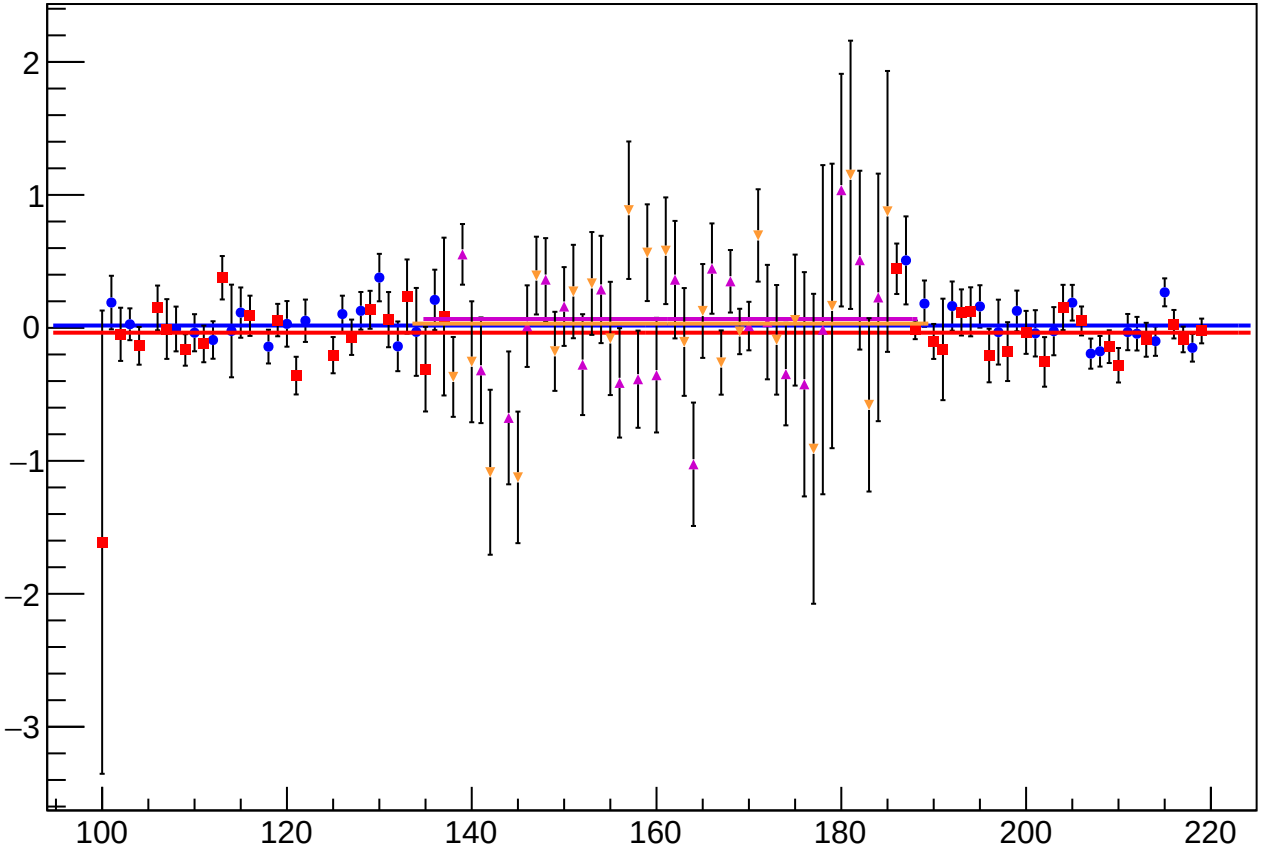
Right: 106.902+/-0.013 χ^2/NDF: 6233251.2/67

In: 133.208+/-0.018 χ^2/NDF:17512703.3/54

Out: 119.297+/-0.016 χ^2/NDF:21115072.1/59

All: 125.608+/-0.012 χ^2/NDF: 38965564.9/11

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.027 χ^2/NDF: 32.9/31

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.036+/-0.024 χ^2/NDF: 40.0/35

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

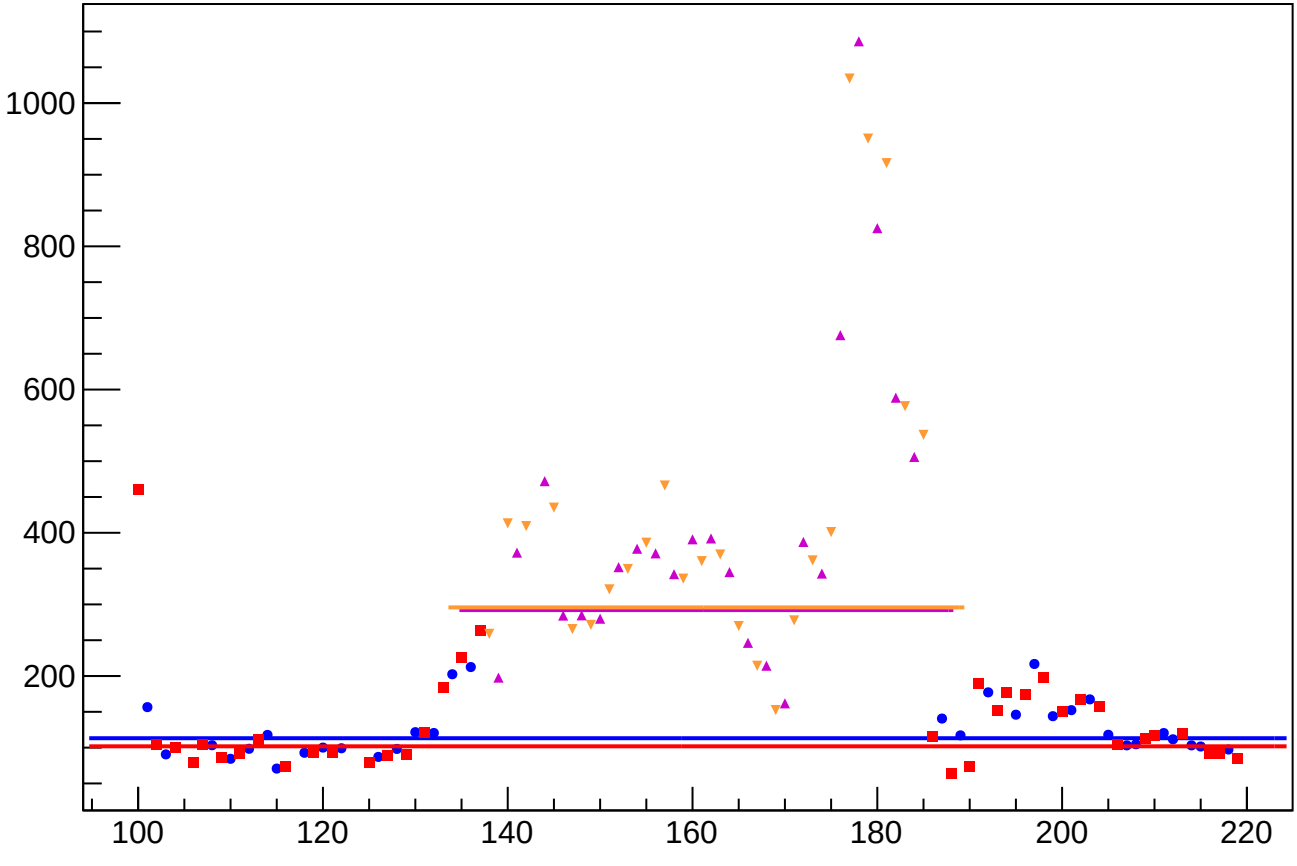
Right: -0.012+/-0.018 χ^2/NDF: 75.1/67

In: 0.023+/-0.025 χ^2/NDF:58.9/54

Out: -0.030+/-0.023 χ^2/NDF:70.4/59

All: -0.006+/-0.017 χ^2/NDF: 131.8/114

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 113.144+/-0.019 χ^2/NDF: 2271094.0/31

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 101.846+/-0.017 χ^2/NDF: 3762123.6/35

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

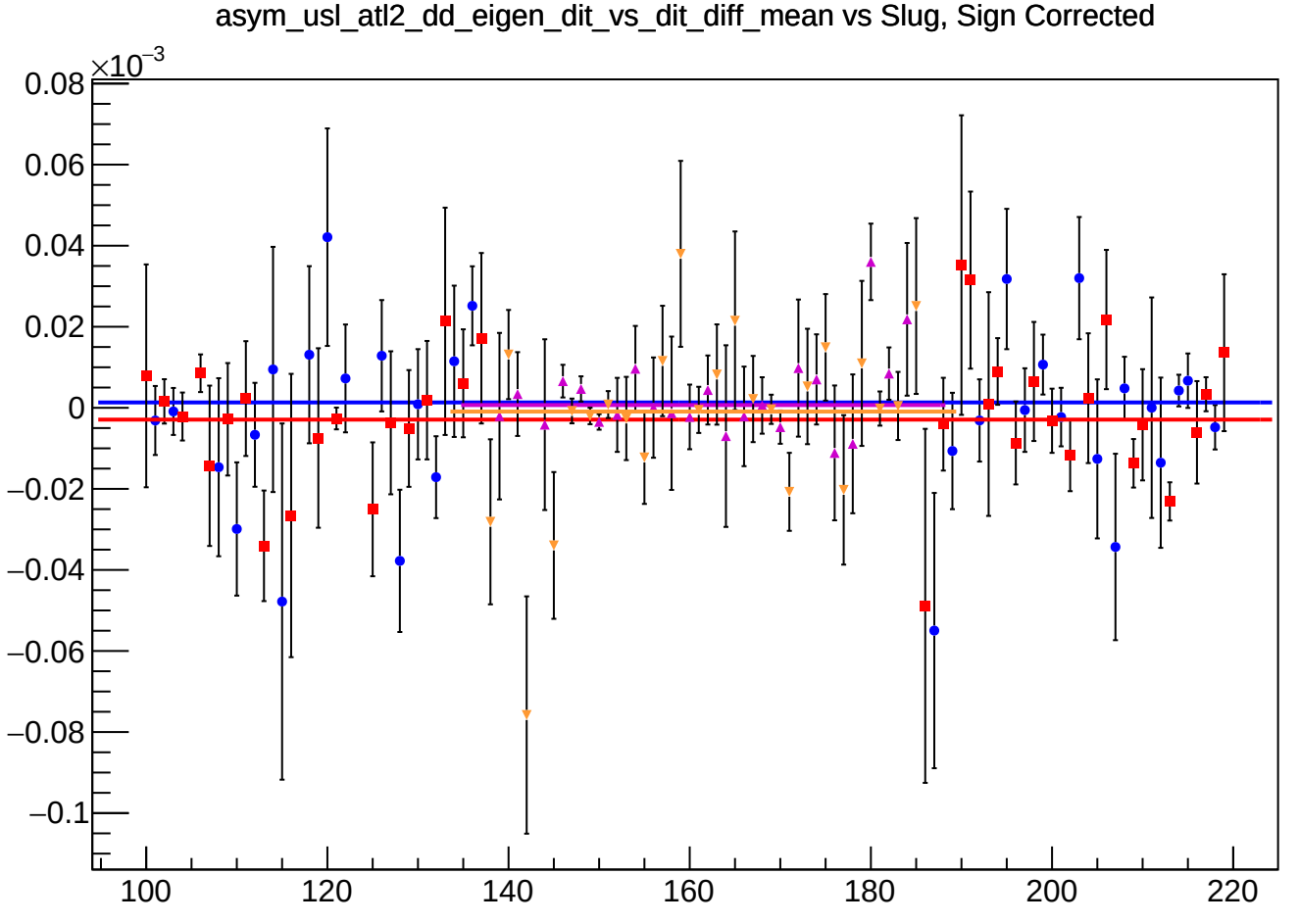
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 106.902+/-0.013 χ^2/NDF: 6233251.2/67

In: 133.208+/-0.018 χ^2/NDF:17512703.3/54

Out: 119.297+/-0.016 χ^2/NDF:21115072.1/59

All: 125.608+/-0.012 χ^2/NDF: 38965564.9/11



Right In: 0.000+/-0.000 χ^2/NDF: 43.1/31

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 52.4/35

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

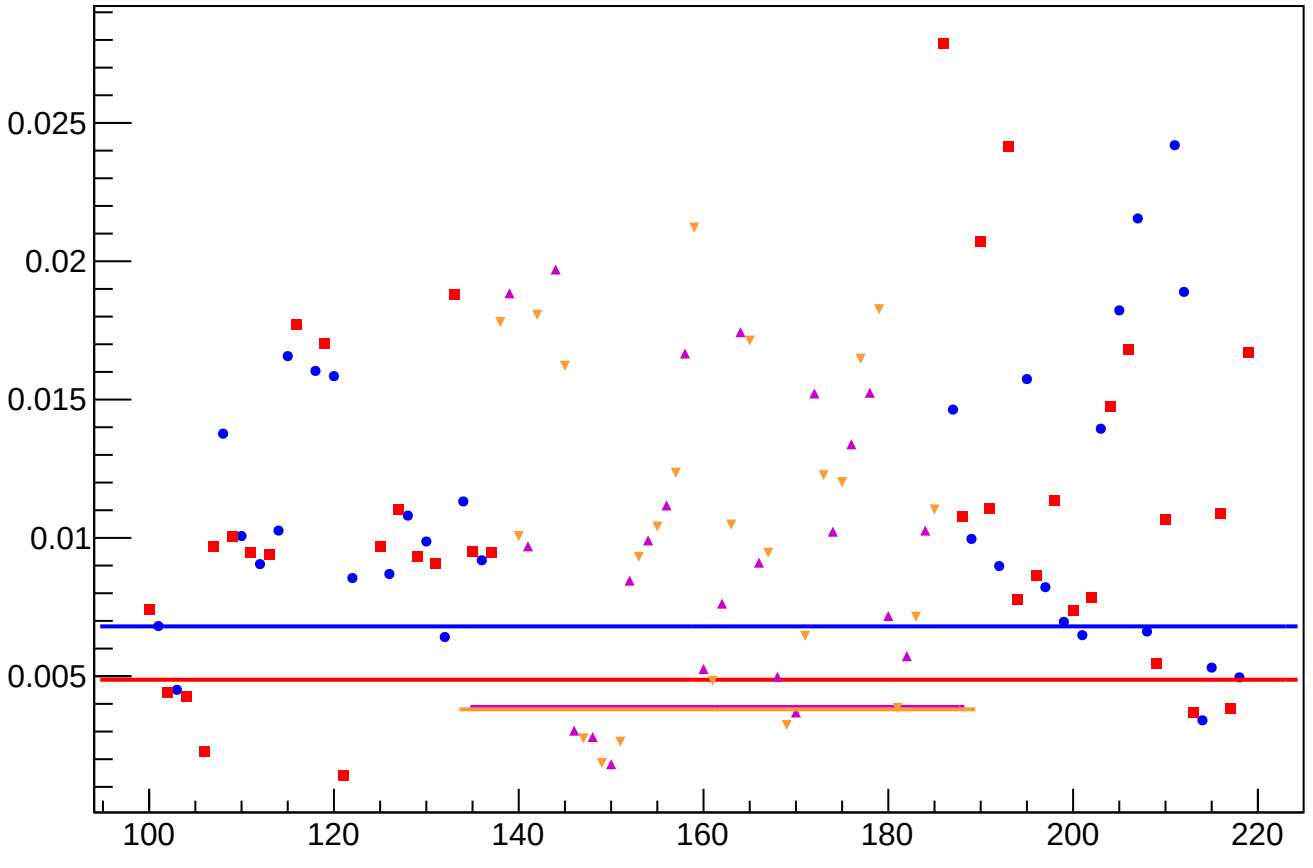
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 99.1/67

In: 0.000+/-0.000 χ^2/NDF:73.0/54

Out: -0.000+/-0.000 χ^2/NDF:82.6/59

All: -0.000+/-0.000 χ^2/NDF: 159.5/114



Right In: 0.007+/-0.000 χ^2/NDF: 8021526.8/31

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 14801751.2/35

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

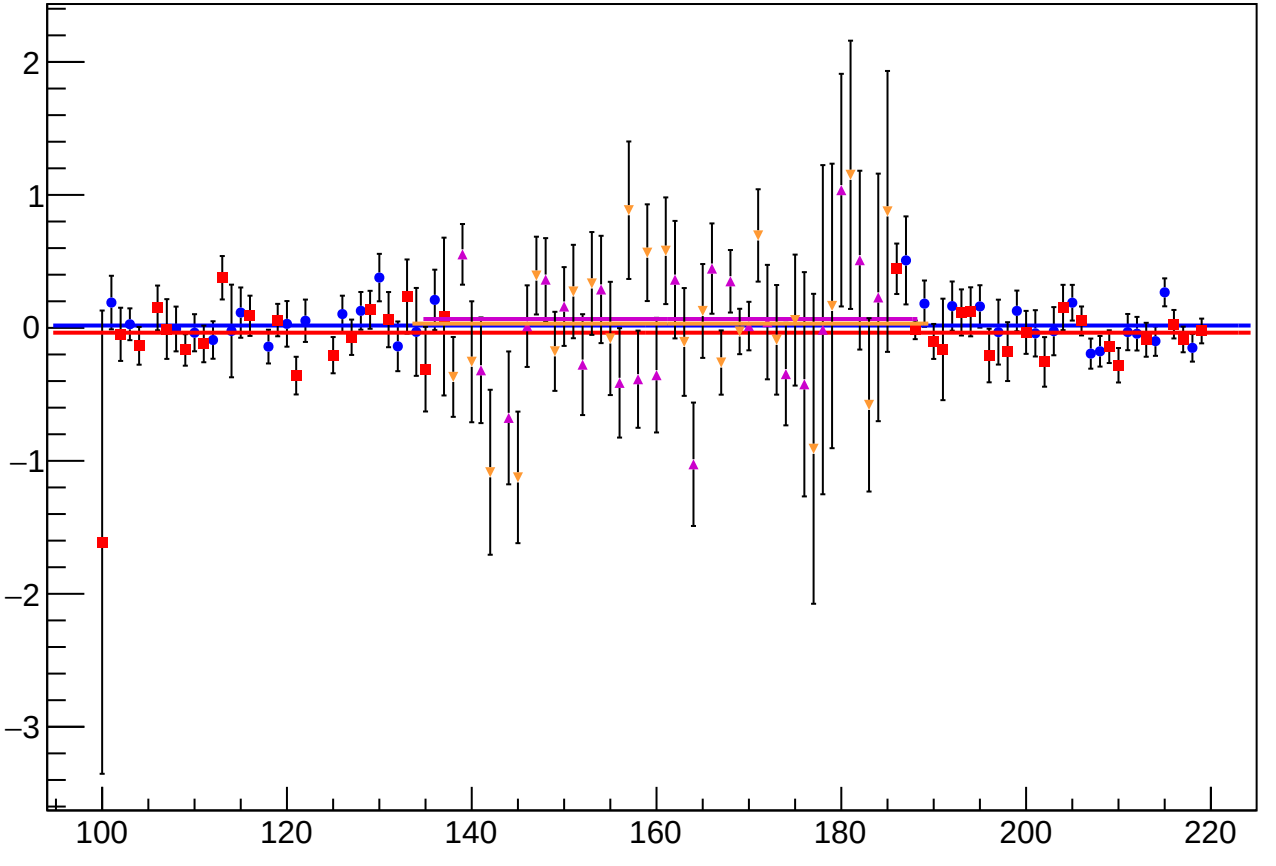
Right: 0.006+/-0.000 χ^2/NDF: 24289807.9/67

In: 0.005+/-0.000 χ^2/NDF:25179660.3/54

Out: 0.004+/-0.000 χ^2/NDF:30108776.7/59

All: 0.005+/-0.000 χ^2/NDF: 55663535.6/114

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.027 χ^2/NDF: 32.9/31

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.036+/-0.024 χ^2/NDF: 40.0/35

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

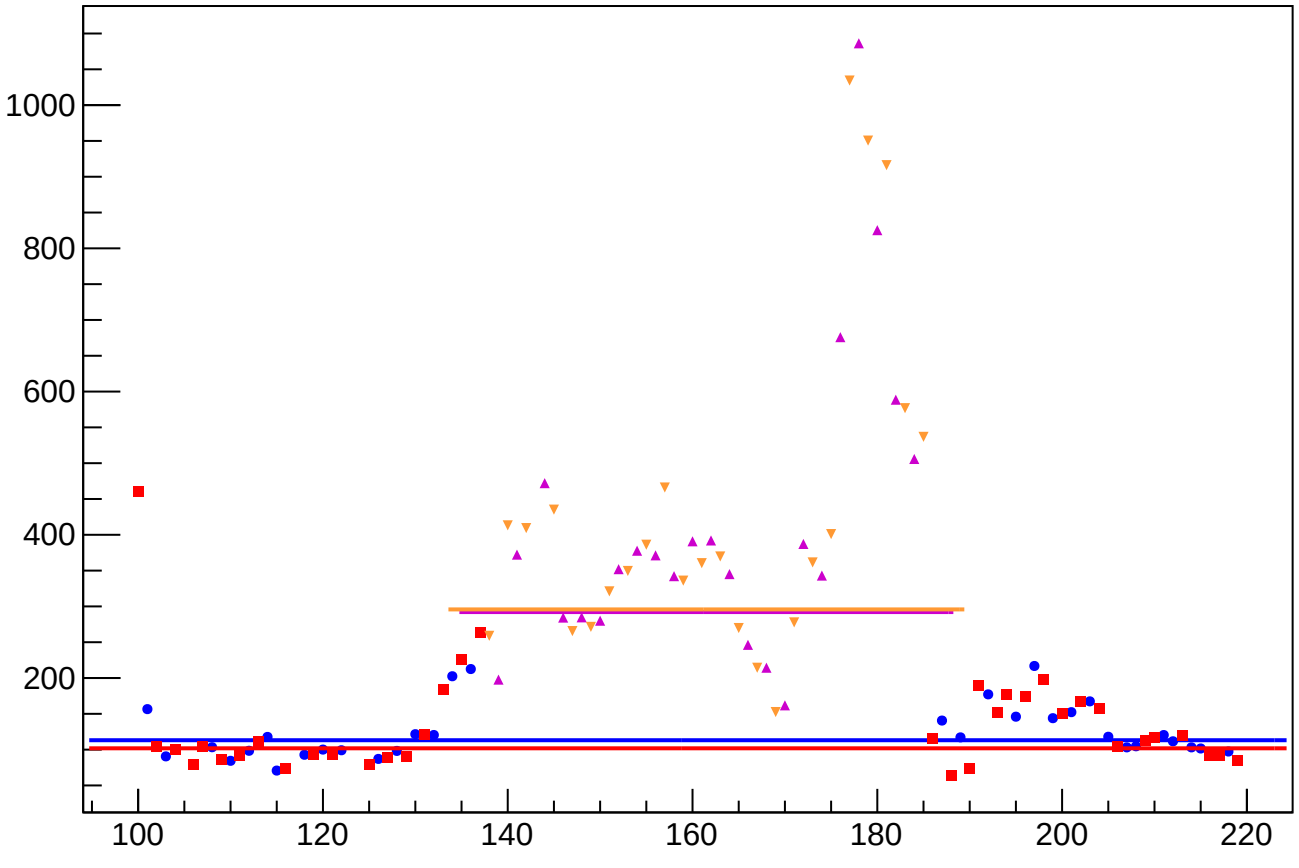
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.012+/-0.018 χ^2/NDF: 75.1/67

In: 0.023+/-0.025 χ^2/NDF:58.9/54

Out: -0.030+/-0.023 χ^2/NDF:70.4/59

All: -0.006+/-0.017 χ^2/NDF: 131.8/114



Right In: 113.144+/-0.019 χ^2/NDF: 2271058.4/31

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 101.845+/-0.017 χ^2/NDF: 3762237.5/35

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

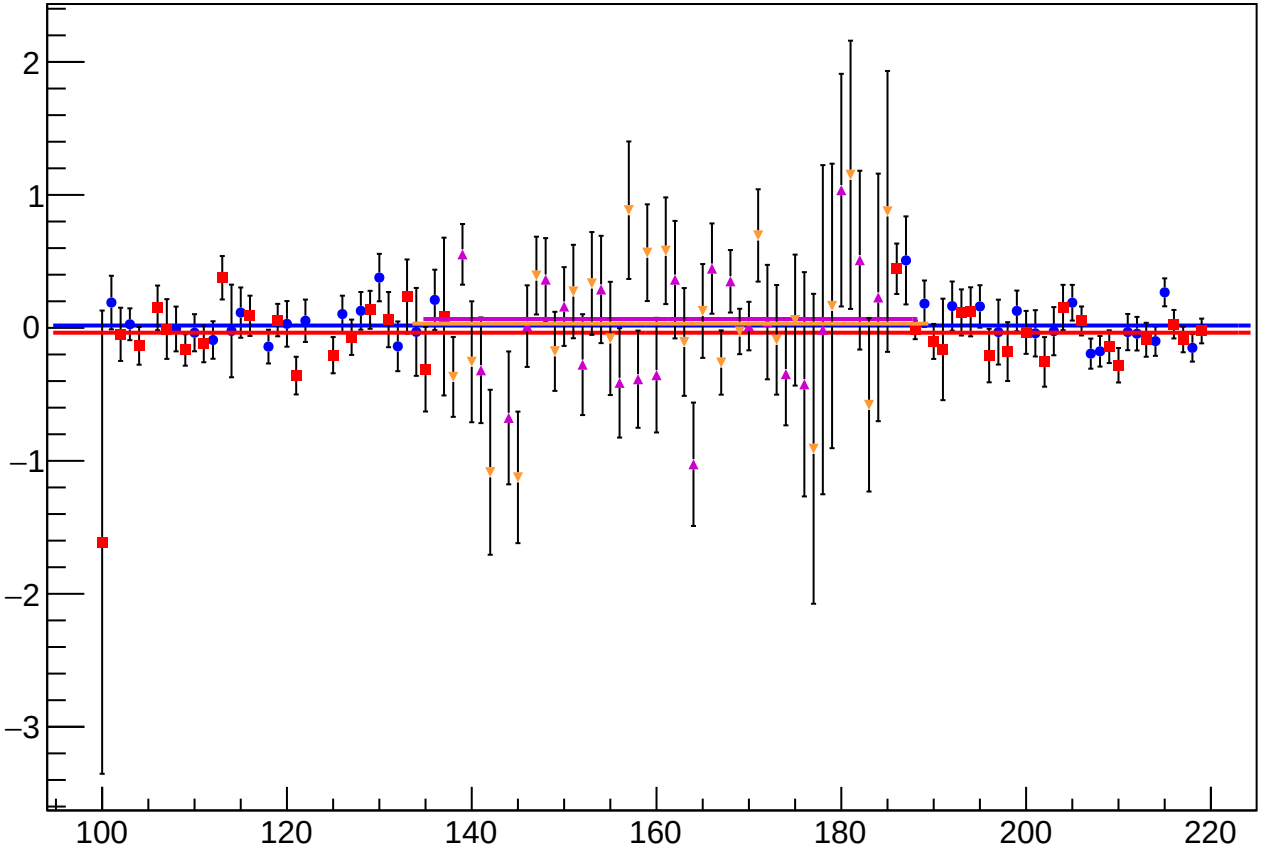
Right: 106.902+/-0.013 χ^2/NDF: 6233365.7/67

In: 133.209+/-0.018 χ^2/NDF:17512752.2/54

Out: 119.297+/-0.016 χ^2/NDF:21115400.7/59

All: 125.608+/-0.012 χ^2/NDF: 38966001.5/11

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.027 χ^2/NDF: 32.9/31

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.036+/-0.024 χ^2/NDF: 40.0/35

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

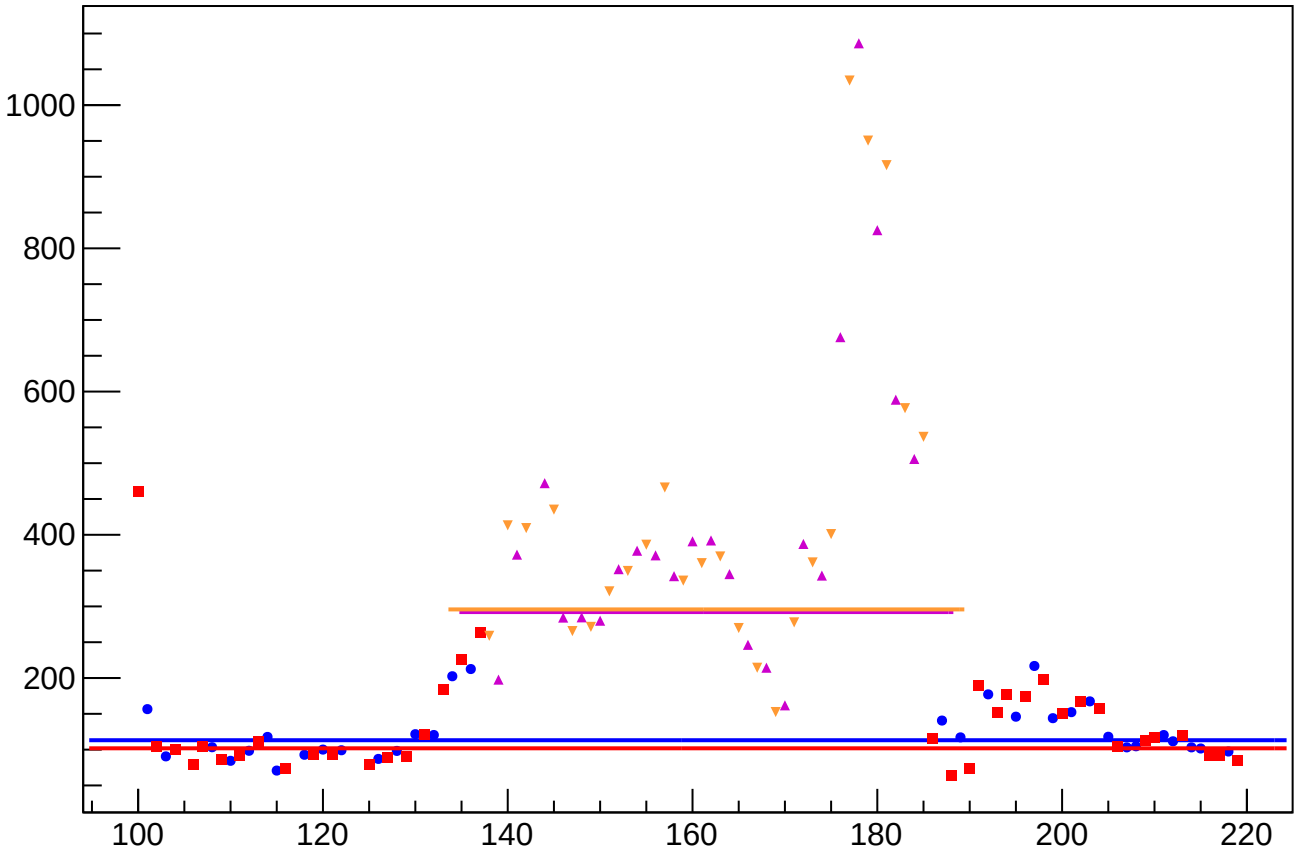
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.012+/-0.018 χ^2/NDF: 75.1/67

In: 0.023+/-0.025 χ^2/NDF:58.9/54

Out: -0.030+/-0.023 χ^2/NDF:70.4/59

All: -0.006+/-0.017 χ^2/NDF: 131.8/114



Right In: 113.144+/-0.019 χ^2/NDF: 2271058.4/31

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 101.845+/-0.017 χ^2/NDF: 3762237.5/35

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

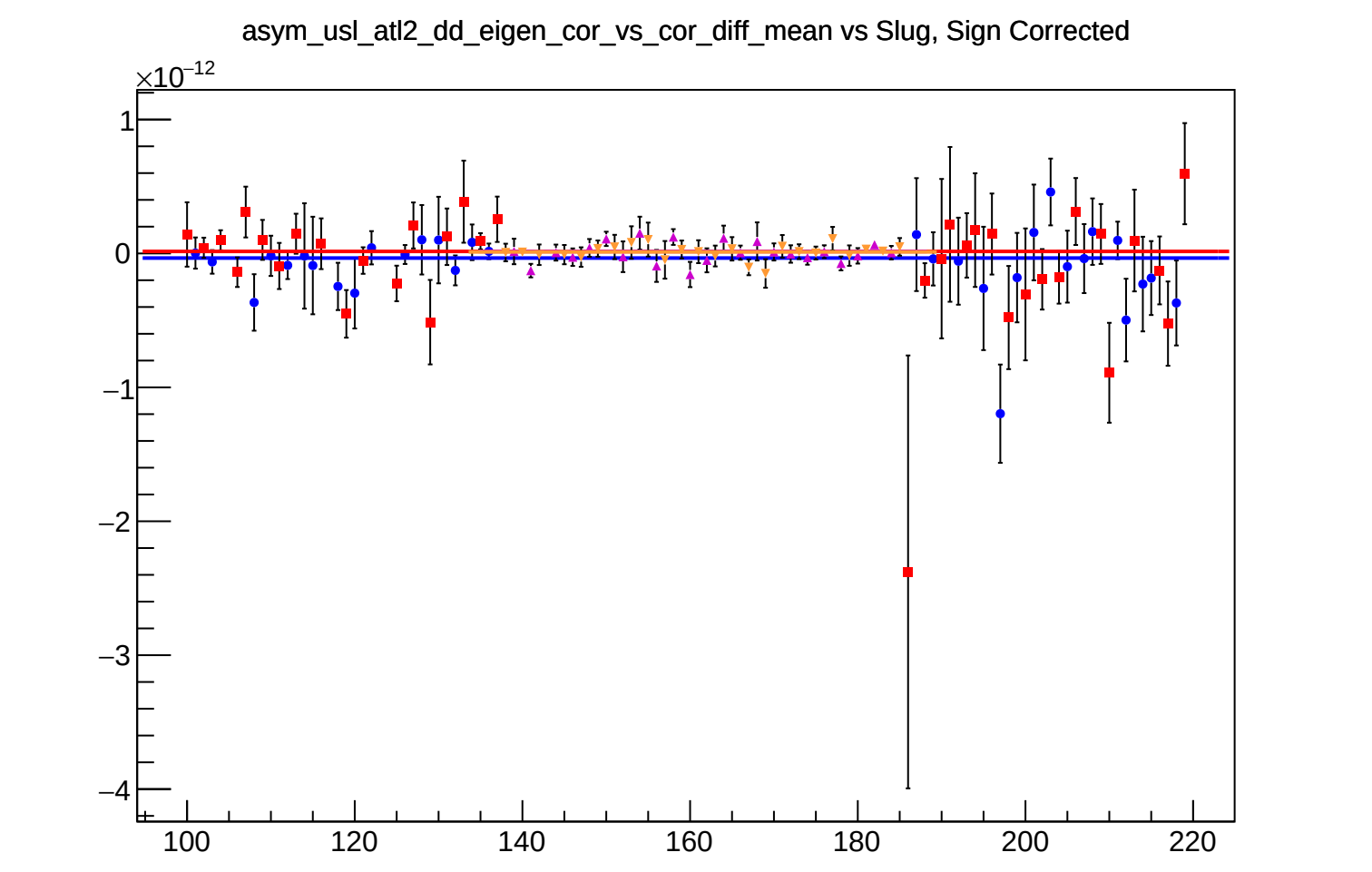
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 106.902+/-0.013 χ^2/NDF: 6233365.7/67

In: 133.209+/-0.018 χ^2/NDF:17512752.2/54

Out: 119.297+/-0.016 χ^2/NDF:21115400.7/59

All: 125.608+/-0.012 χ^2/NDF: 38966001.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 50.4/35

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

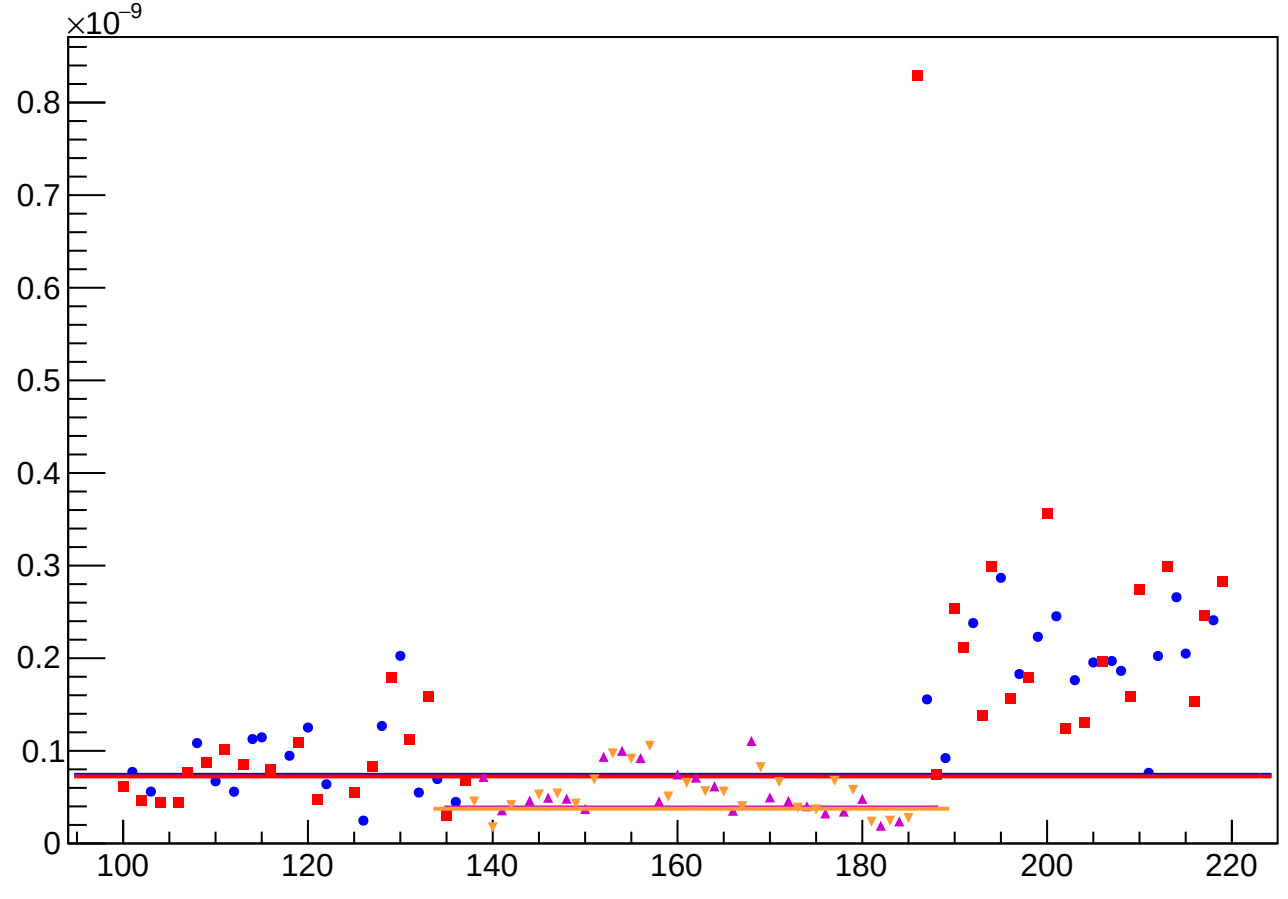
Right: -0.000+/-0.000 χ^2/NDF: 81.1/67

In: 0.000+/-0.000 χ^2/NDF:62.6/54

Out: 0.000+/-0.000 χ^2/NDF:61.0/59

All: 0.000+/-0.000 χ^2/NDF: 123.7/114

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7912182.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8687100.7/35

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

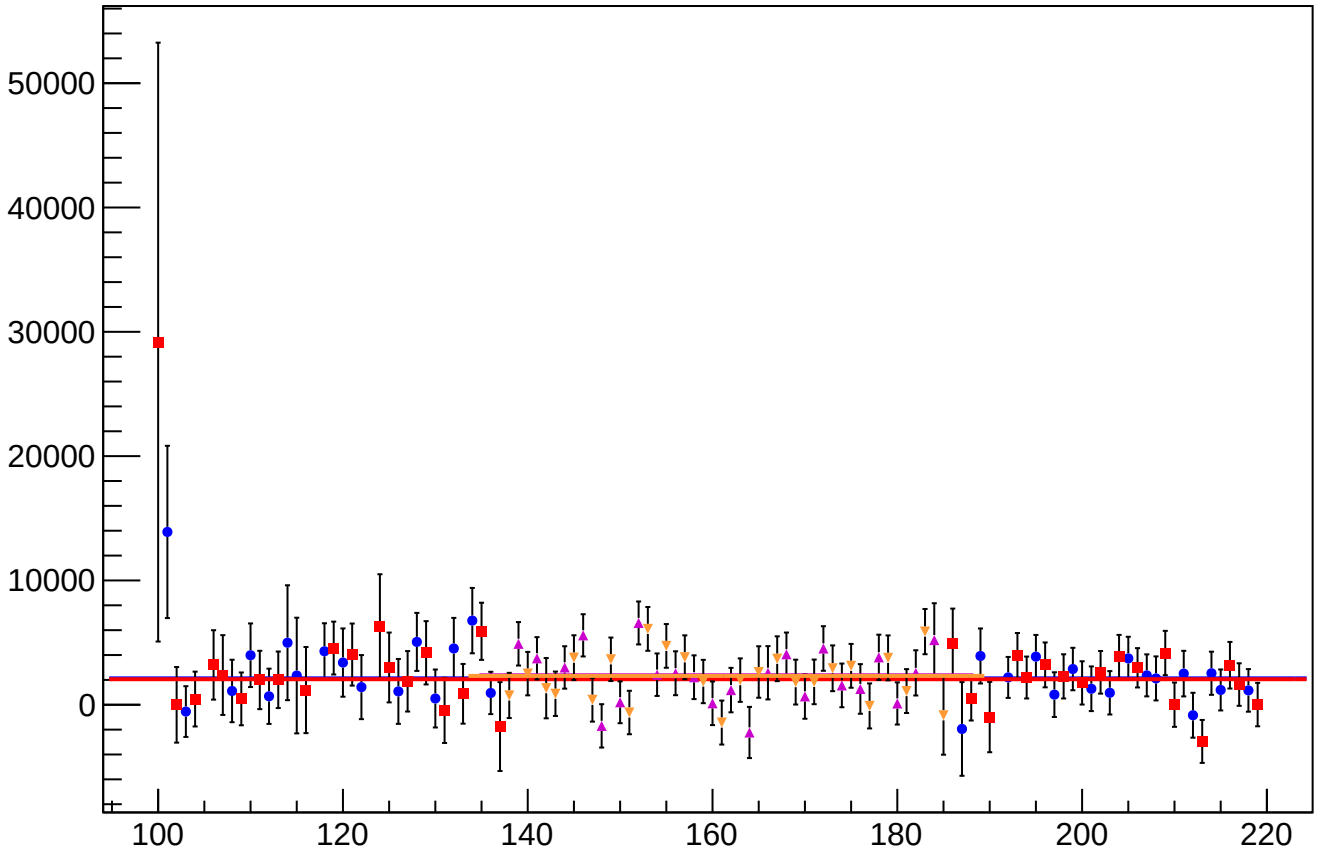
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 16603335.9/67

In: 0.000+/-0.000 χ^2/NDF:15321136.3/54

Out: 0.000+/-0.000 χ^2/NDF:16592548.4/59

All: 0.000+/-0.000 χ^2/NDF: 31926550.3/114



Right In: 2122.728+/-366.999 χ^2/NDF: 22.6/31

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2054.749+/-356.687 χ^2/NDF: 30.9/35

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

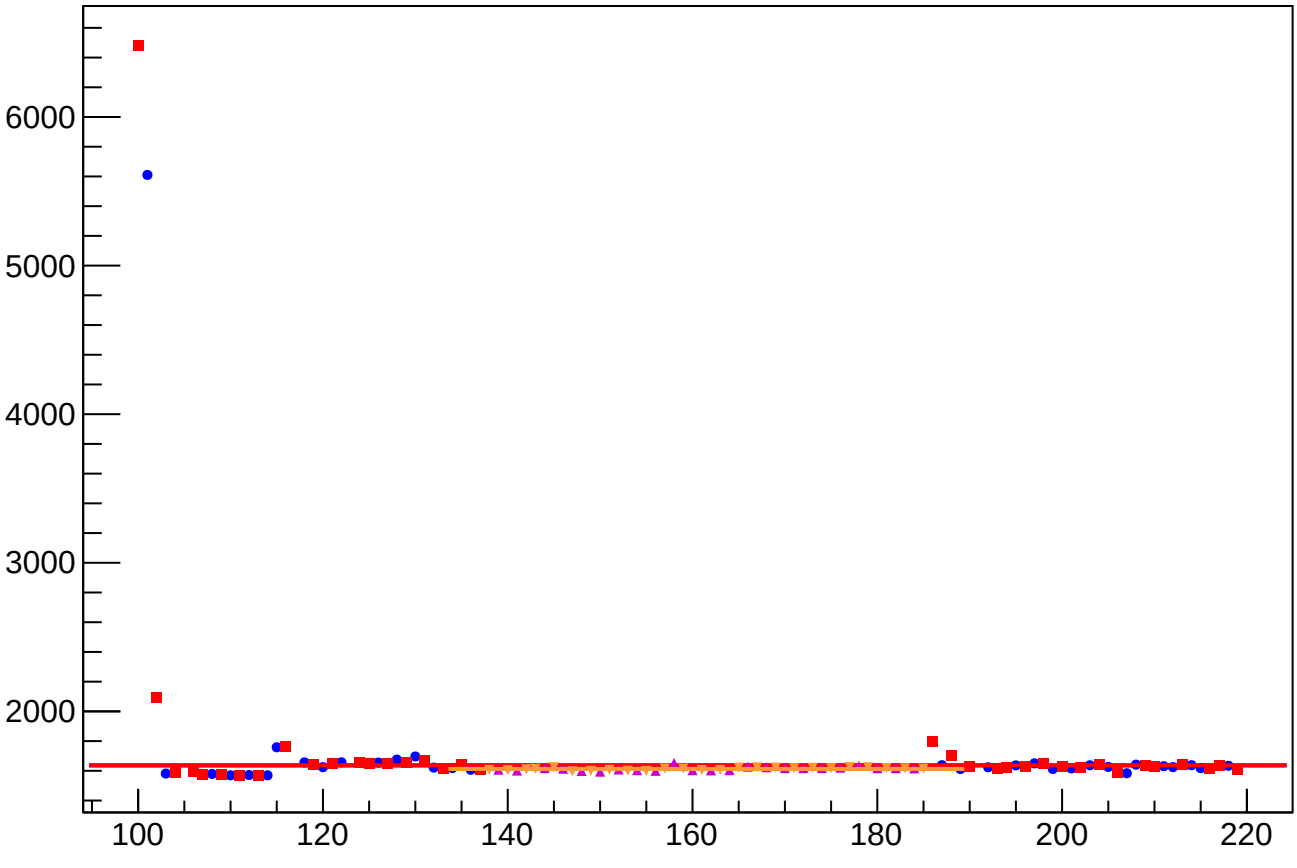
Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

Right: 2087.770+/-255.784 χ^2/NDF: 53.6/67

In: 2243.413+/-262.904 χ^2/NDF:56.6/54

Out: 2184.367+/-255.547 χ^2/NDF:58.7/60

All: 2213.053+/-183.245 χ^2/NDF: 115.3/115



Right In: 1636.261+/-0.260 χ^2/NDF: 671818.1/31

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1637.288+/-0.252 χ^2/NDF: 149745.2/35

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

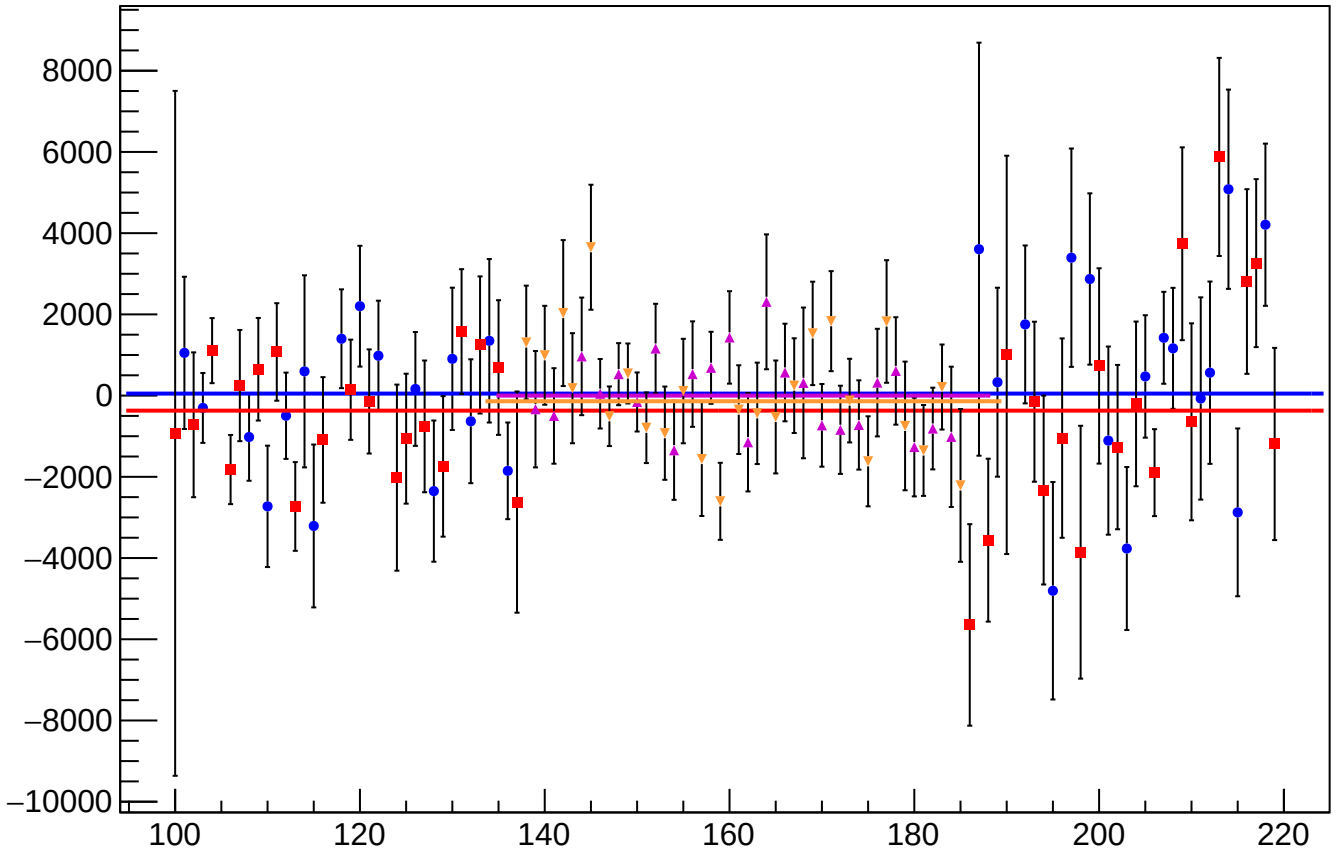
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1636.789+/-0.181 χ^2/NDF: 821571.4/67

In: 1625.323+/-0.186 χ^2/NDF:677822.0/54

Out: 1625.276+/-0.181 χ^2/NDF:155578.2/60

All: 1625.299+/-0.130 χ^2/NDF: 833400.3/115



Right In: 49.500+/-281.884 χ^2/NDF: 41.4/31

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: -370.407+/-267.006 χ^2/NDF: 45.1/35

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

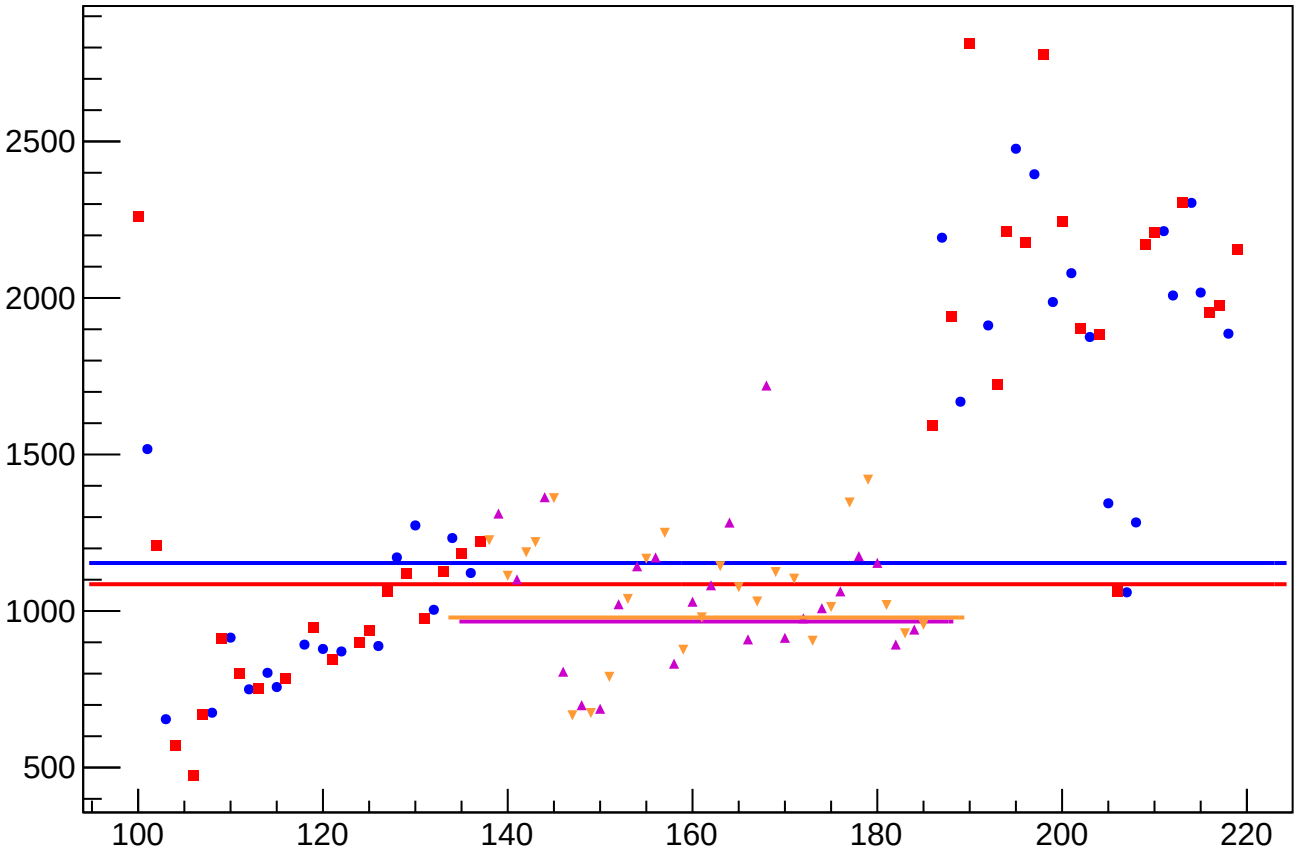
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

Right: -171.827+/-193.848 χ^2/NDF: 87.7/67

In: 19.925+/-179.087 χ^2/NDF:54.3/54

Out: -237.151+/-173.881 χ^2/NDF:75.7/60

All: -112.404+/-124.752 χ^2/NDF: 131.1/115



Right In: 1153.332+/-0.199 χ^2/NDF: 6019597.6/31

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 1085.633+/-0.189 χ^2/NDF: 8529560.3/35

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

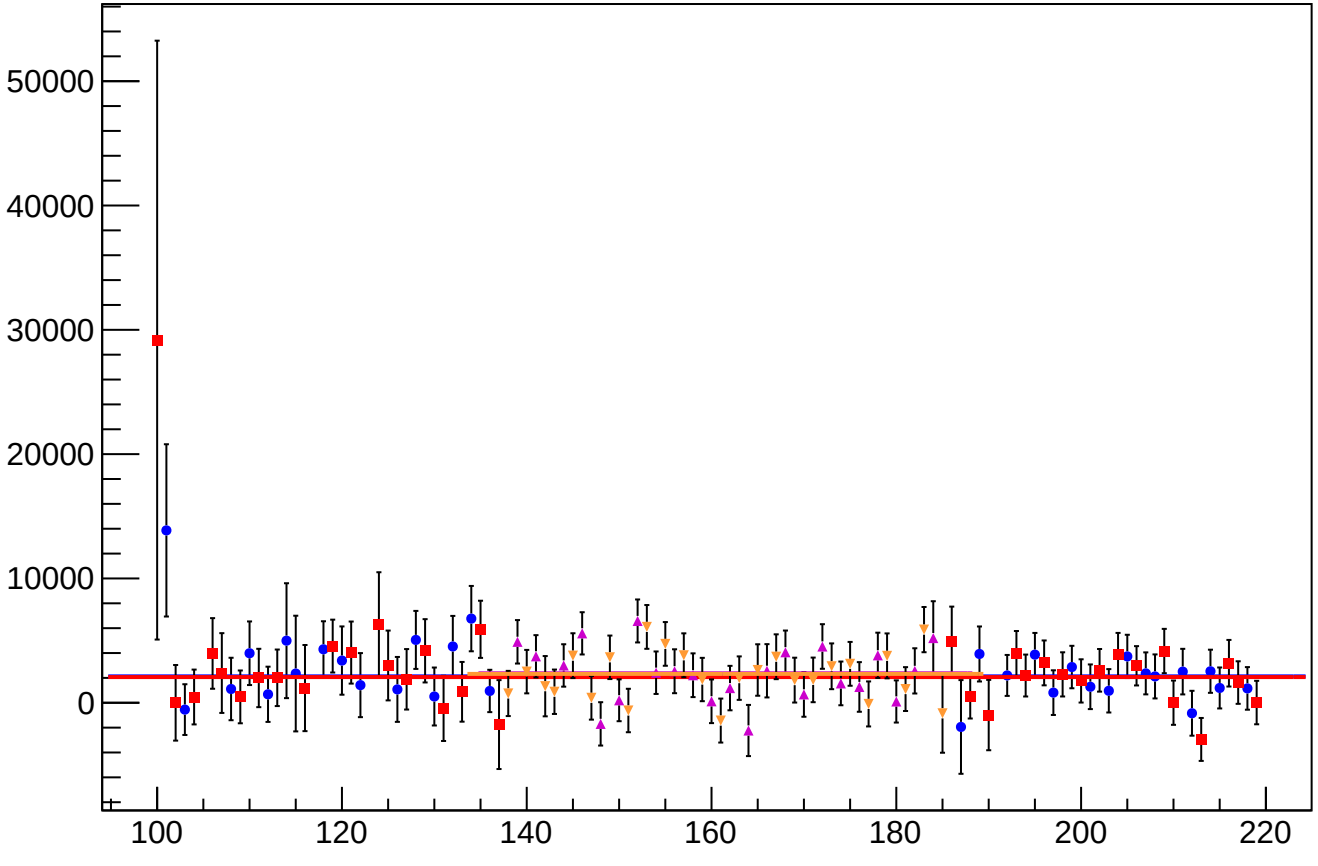
Right: 1117.648+/-0.137 χ^2/NDF: 14609962.5/67

In: 1041.927+/-0.127 χ^2/NDF:8146016.0/54

Out: 1024.392+/-0.123 χ^2/NDF:10342875.5/60

All: 1032.901+/-0.088 χ^2/NDF: 18498761.6/1

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2122.494+/-366.999 χ^2/NDF: 22.6/31

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2066.264+/-356.787 χ^2/NDF: 31.2/35

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

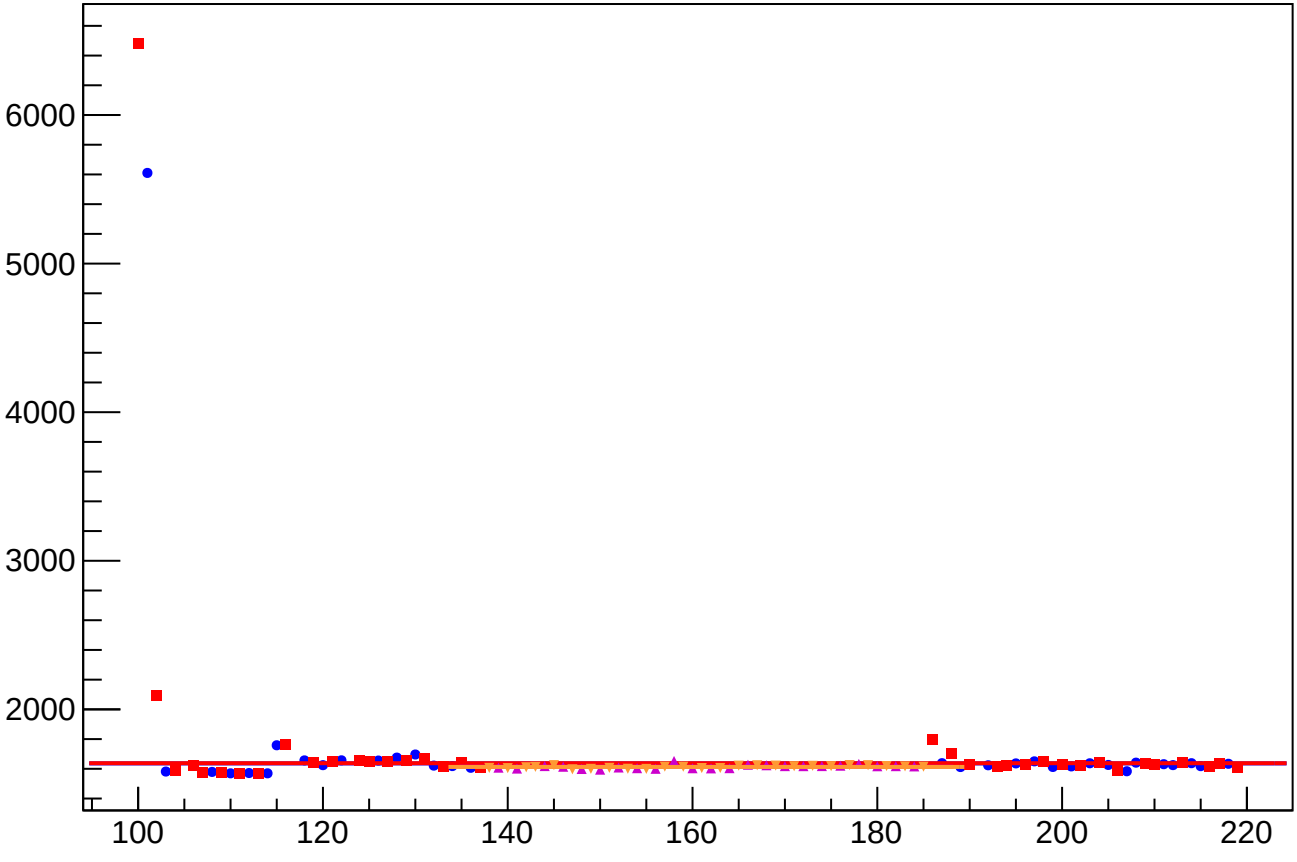
Right: 2093.585+/-255.821 χ^2/NDF: 53.8/67

In: 2243.327+/-262.904 χ^2/NDF:56.6/54

Out: 2190.293+/-255.584 χ^2/NDF:58.9/60

All: 2216.062+/-183.258 χ^2/NDF: 115.5/115

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1636.261+/-0.260 χ^2/NDF: 671817.7/31

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1637.731+/-0.252 χ^2/NDF: 149322.3/35

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

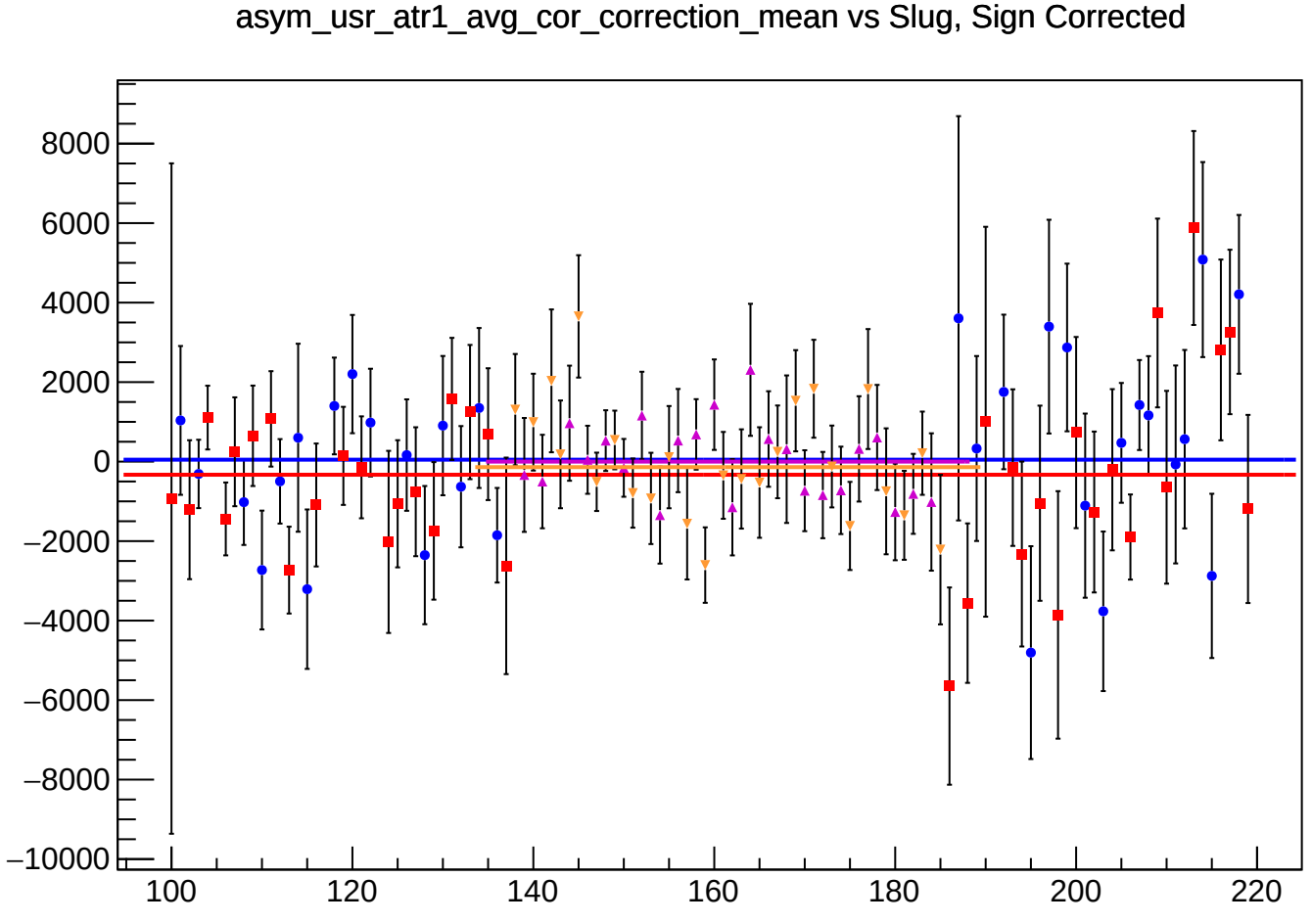
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1637.017+/-0.181 χ^2/NDF: 821156.4/67

In: 1625.323+/-0.186 χ^2/NDF:677821.5/54

Out: 1625.499+/-0.181 χ^2/NDF:155322.6/60

All: 1625.414+/-0.130 χ^2/NDF: 833144.6/115



Right In: 48.549+/-281.859 χ^2/NDF: 41.4/31

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -330.347+/-268.721 χ^2/NDF: 43.7/35

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

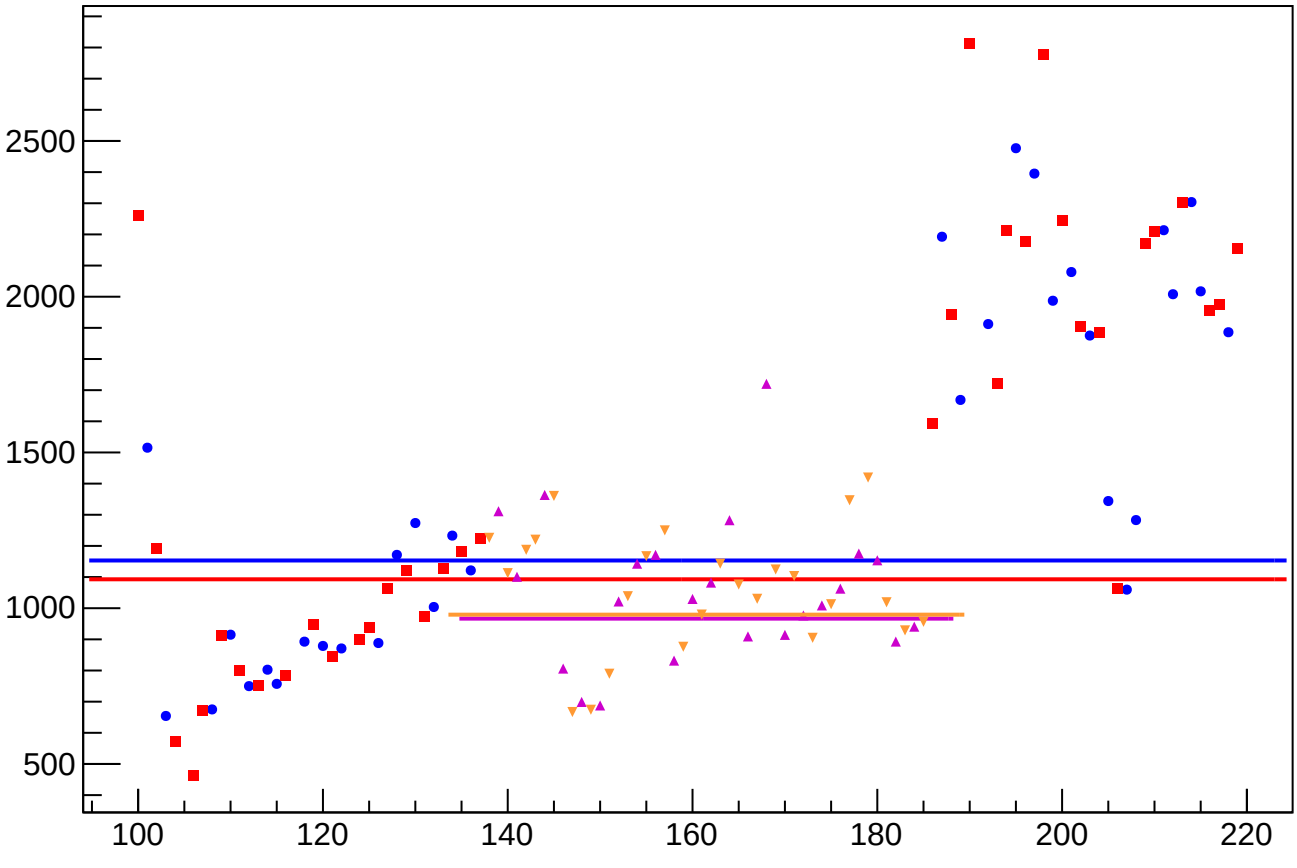
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -149.935+/-194.493 χ^2/NDF: 86.1/67

In: 19.558+/-179.081 χ^2/NDF:54.3/54

Out: -219.593+/-174.351 χ^2/NDF:74.2/60

All: -103.217+/-124.924 χ^2/NDF: 129.4/115



Right In: 1153.217+/-0.199 χ^2/NDF: 6020580.4/31

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1092.820+/-0.190 χ^2/NDF: 8414914.2/35

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

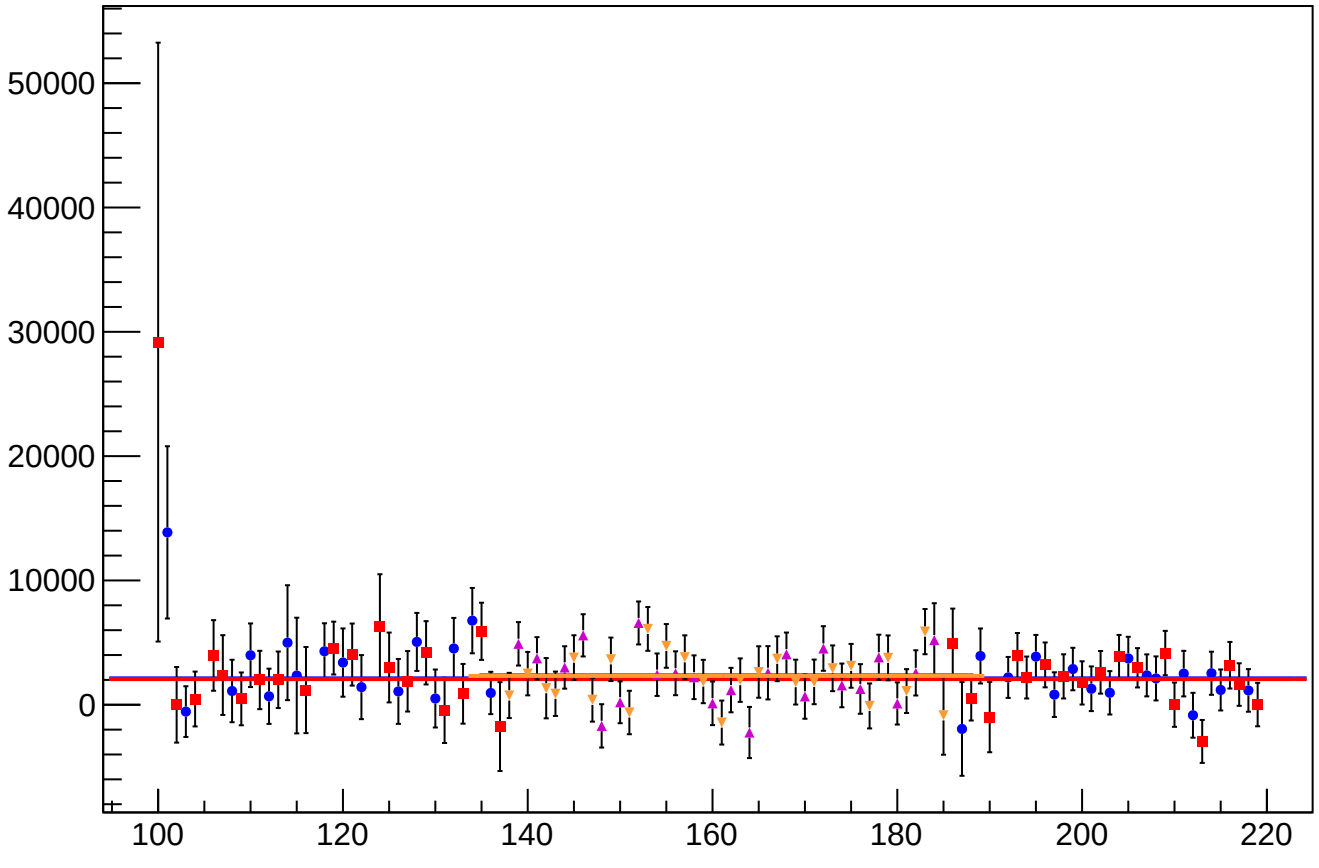
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1121.578+/-0.138 χ^2/NDF: 14483601.5/67

In: 1041.892+/-0.127 χ^2/NDF:8146346.8/54

Out: 1027.081+/-0.123 χ^2/NDF:10252357.7/60

All: 1034.289+/-0.088 χ^2/NDF: 18405727.9/1



Right In: 2122.494+/-366.999 χ^2/NDF: 22.6/31

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2066.264+/-356.787 χ^2/NDF: 31.2/35

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

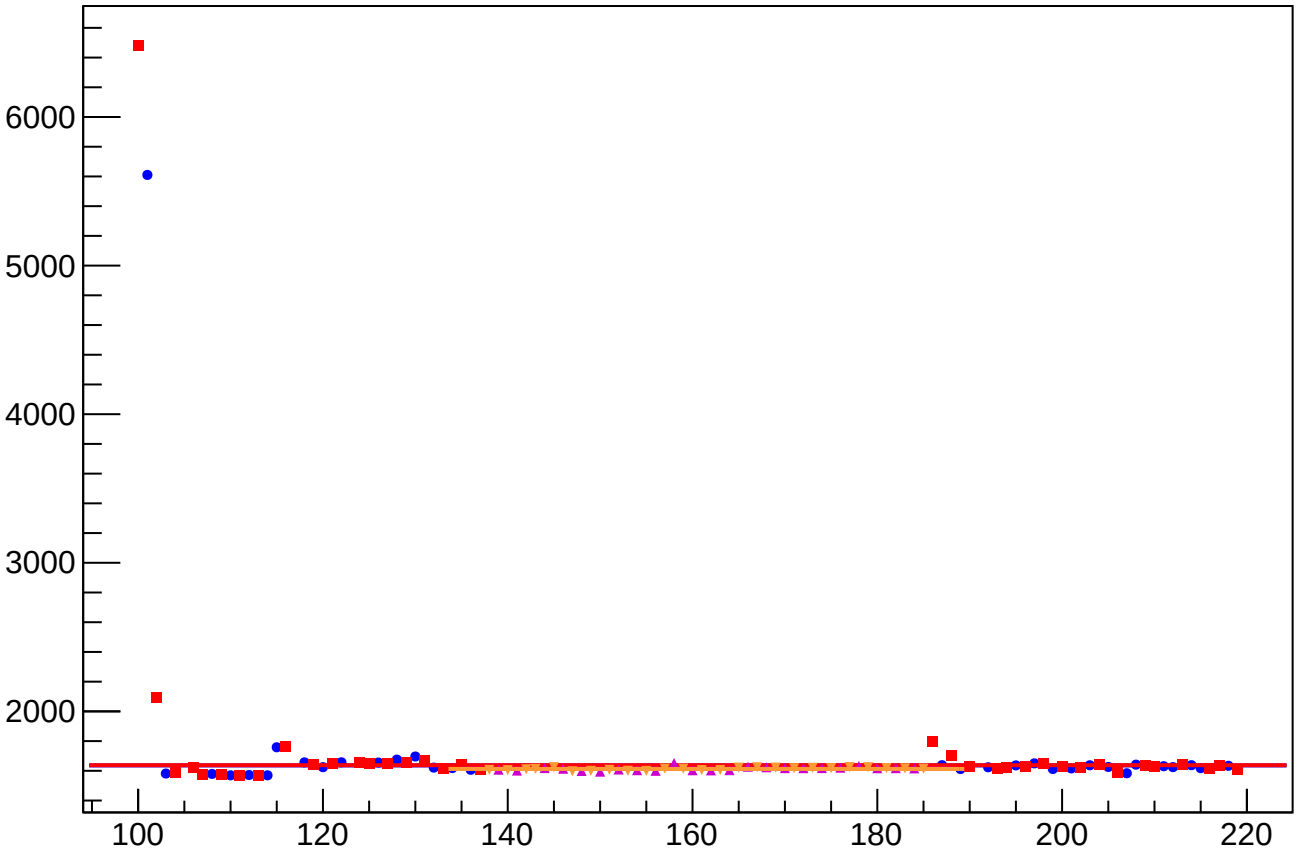
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2093.585+/-255.821 χ^2/NDF: 53.8/67

In: 2243.327+/-262.904 χ^2/NDF:56.6/54

Out: 2190.293+/-255.584 χ^2/NDF:58.9/60

All: 2216.062+/-183.258 χ^2/NDF: 115.5/115



Right In: 1636.261+/-0.260 χ^2/NDF: 671817.7/31

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1637.731+/-0.252 χ^2/NDF: 149322.3/35

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

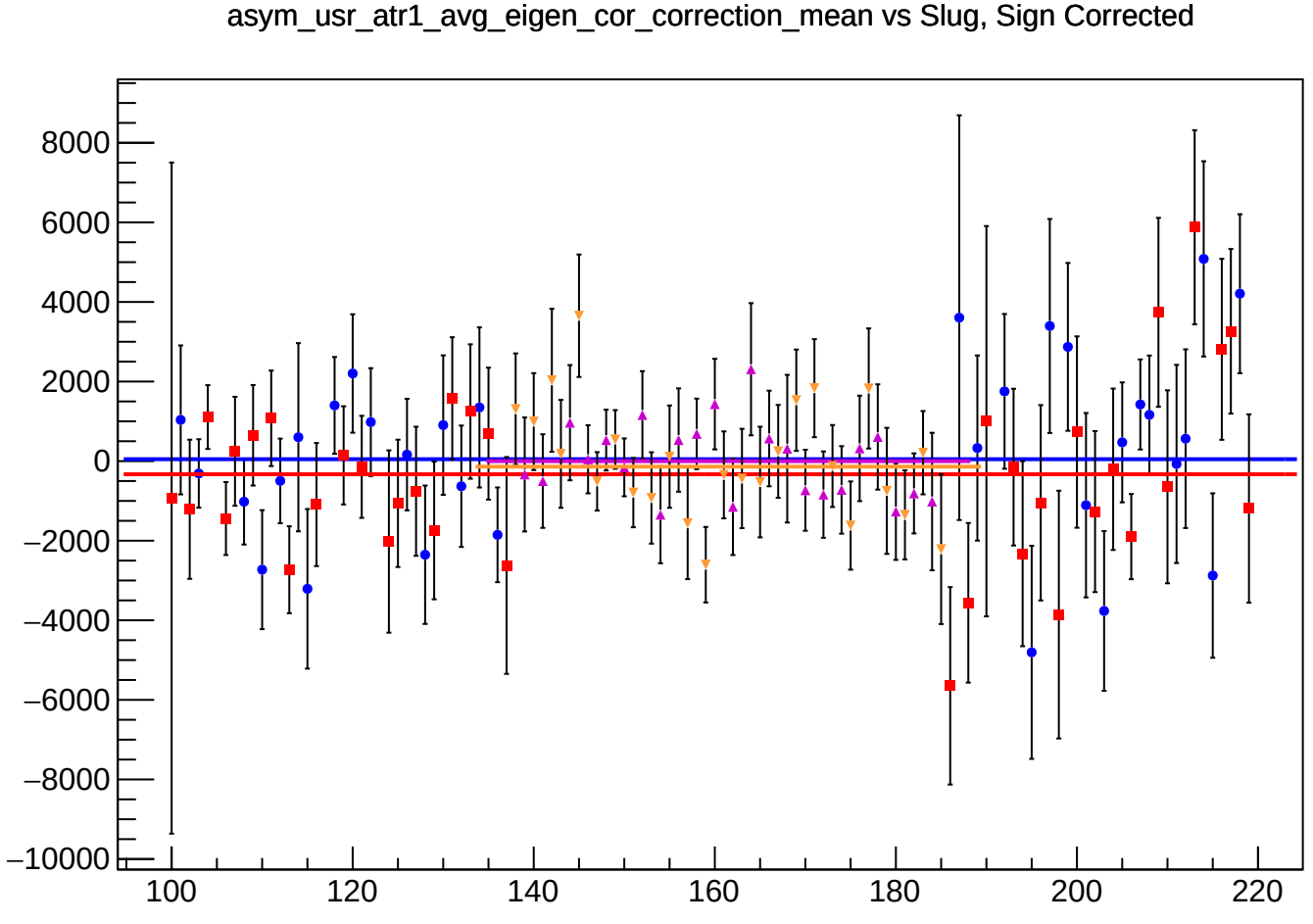
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

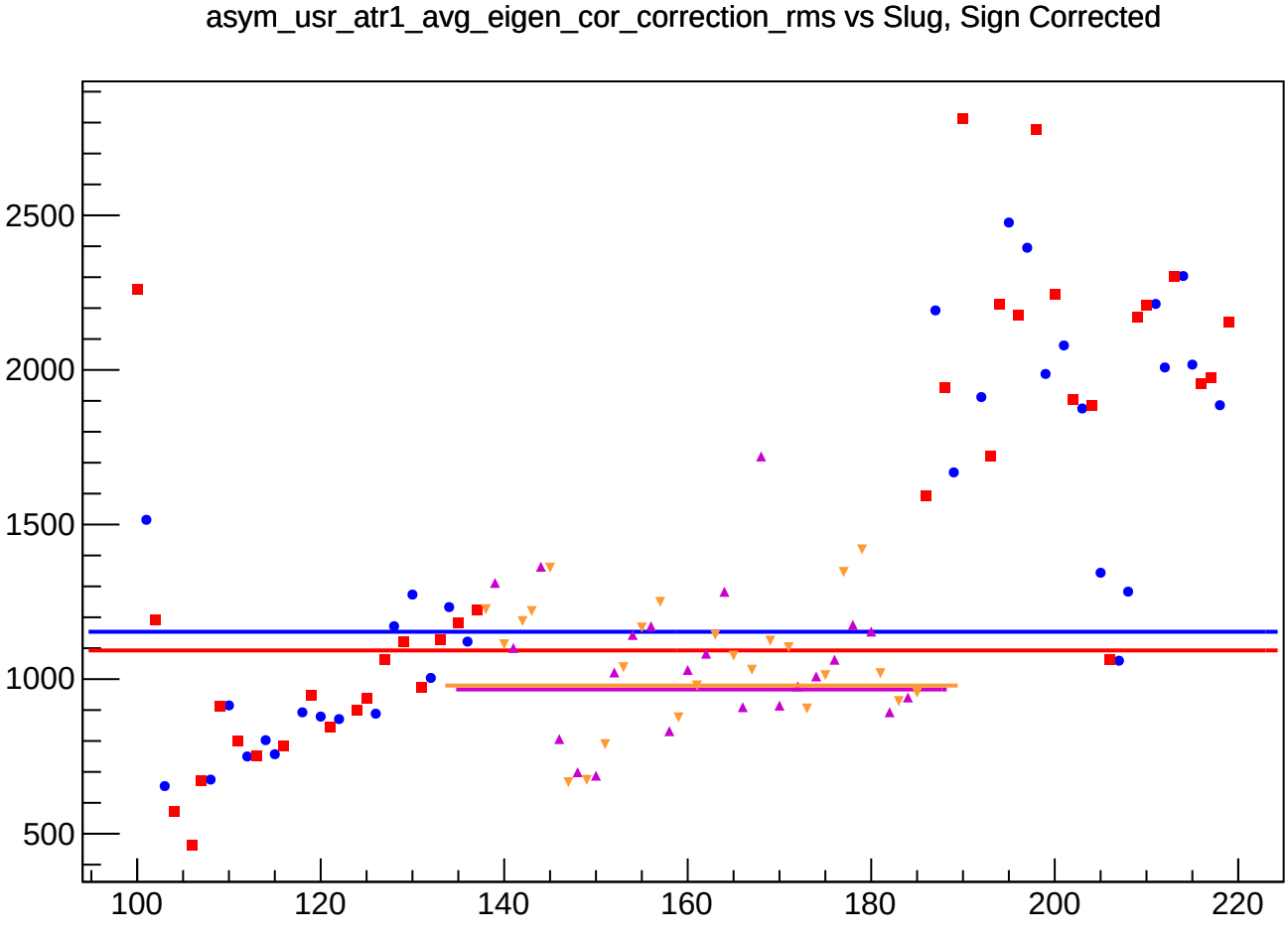
Right: 1637.017+/-0.181 χ^2/NDF: 821156.4/67

In: 1625.323+/-0.186 χ^2/NDF:677821.5/54

Out: 1625.499+/-0.181 χ^2/NDF:155322.6/60

All: 1625.414+/-0.130 χ^2/NDF: 833144.6/115


asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
220
Right In: 48.549+/-281.859 χ²/NDF: 41.4/31
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -330.347+/-268.721 χ²/NDF: 43.7/35
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -149.935+/-194.493 χ²/NDF: 86.1/67
In: 19.558+/-179.081 χ²/NDF:54.3/54
Out: -219.593+/-174.351 χ²/NDF:74.2/60
All: -103.217+/-124.924 χ²/NDF: 129.4/115



Right In: 1153.217+/-0.199 χ^2/NDF: 6020580.4/31

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1092.820+/-0.190 χ^2/NDF: 8414914.2/35

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

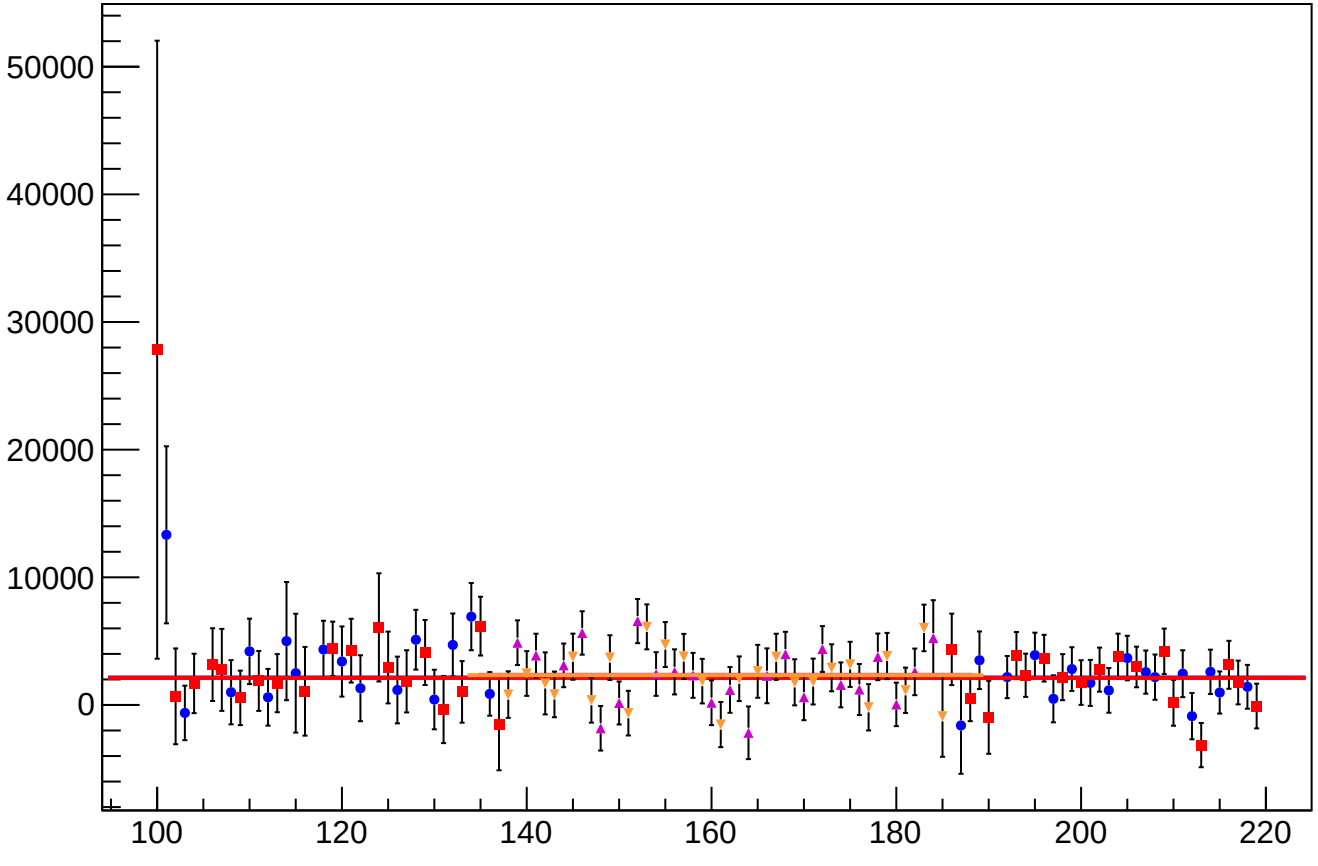
Right: 1121.578+/-0.138 χ^2/NDF: 14483601.5/67

In: 1041.892+/-0.127 χ^2/NDF:8146346.8/54

Out: 1027.081+/-0.123 χ^2/NDF:10252357.7/60

All: 1034.289+/-0.088 χ^2/NDF: 18405727.9/

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2144.845+/-368.983 χ^2/NDF: 22.5/31

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2122.403+/-359.576 χ^2/NDF: 30.2/35

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

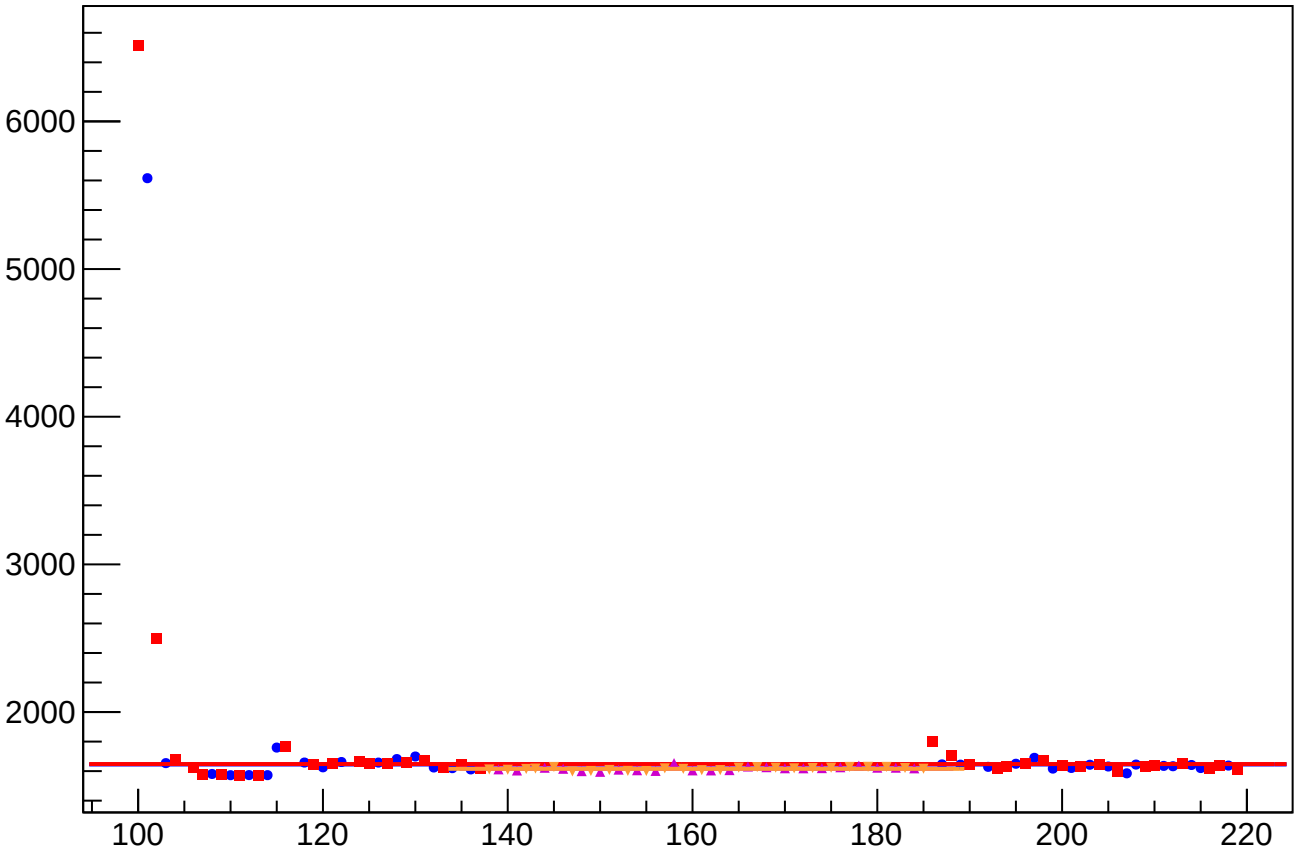
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2133.334+/-257.520 χ^2/NDF: 52.8/67

In: 2250.138+/-263.836 χ^2/NDF:56.7/54

Out: 2226.454+/-256.840 χ^2/NDF:58.7/60

All: 2237.978+/-184.037 χ^2/NDF: 115.4/115



Right In: 1645.010+/-0.261 χ^2/NDF: 670707.6/31

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1647.901+/-0.254 χ^2/NDF: 207229.7/35

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

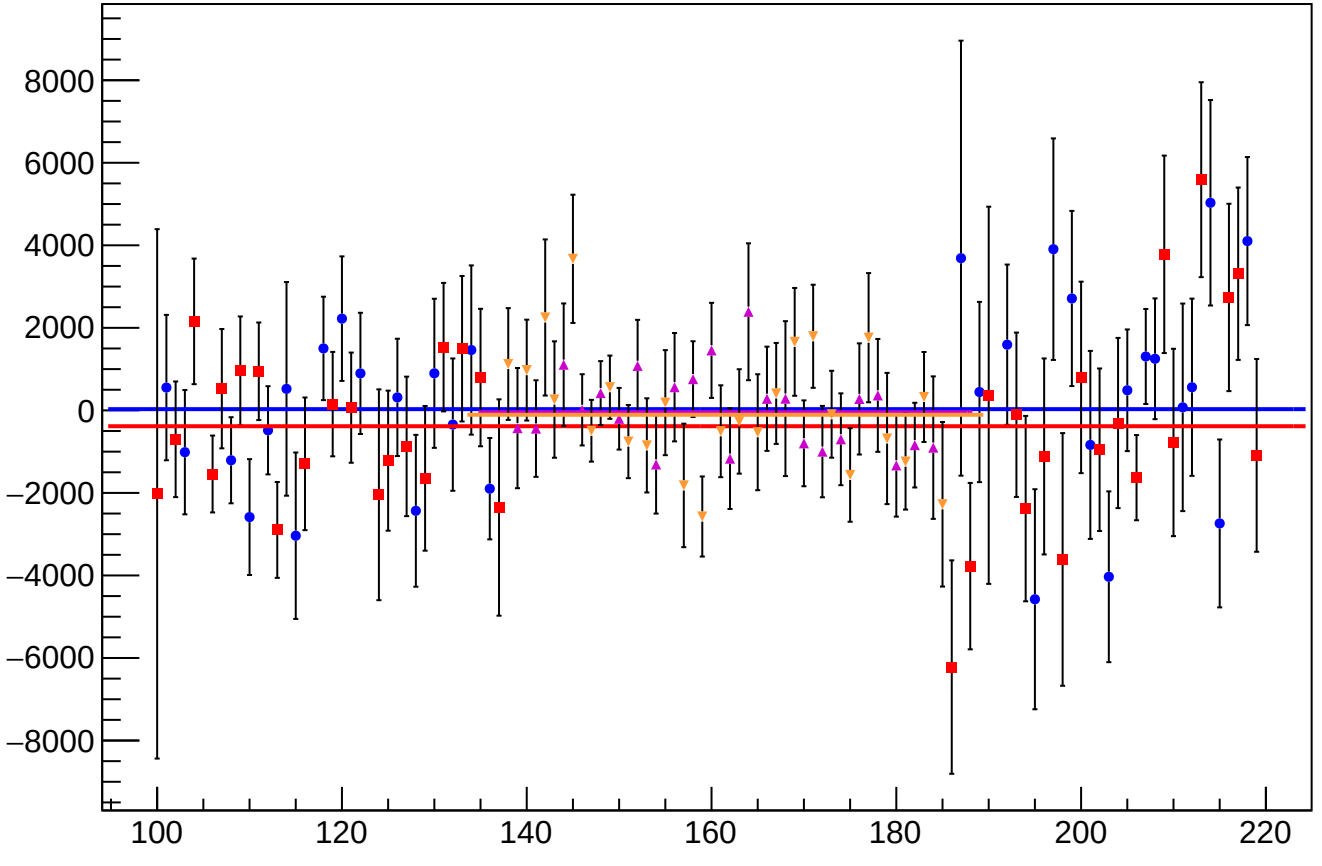
Right: 1646.492+/-0.182 χ^2/NDF: 878000.3/67

In: 1631.008+/-0.187 χ^2/NDF:679157.7/54

Out: 1632.096+/-0.182 χ^2/NDF:216565.4/60

All: 1631.567+/-0.130 χ^2/NDF: 895740.6/115

asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 29.766+/-294.563 χ^2/NDF: 40.7/31

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: -384.011+/-282.070 χ^2/NDF: 43.8/35

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

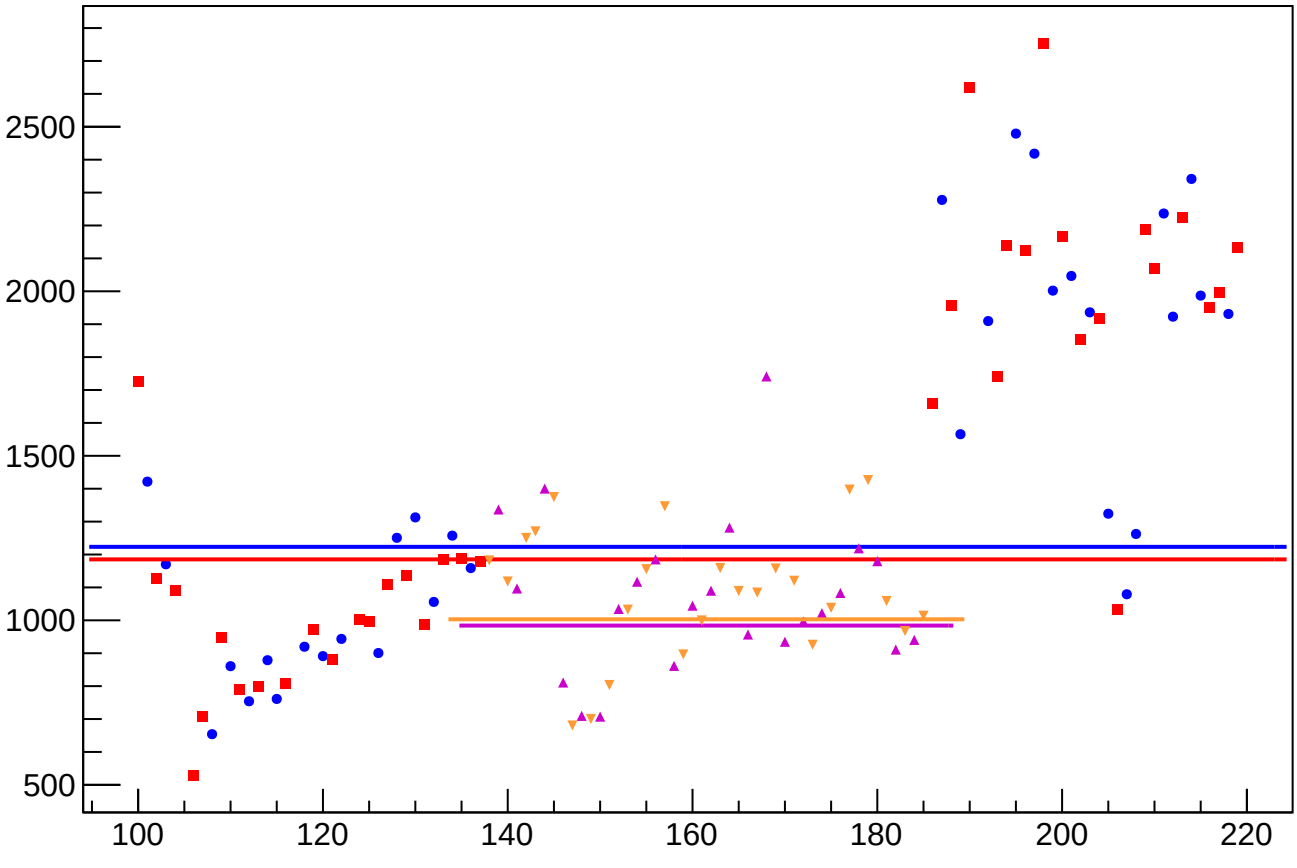
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -186.083+/-203.727 χ^2/NDF: 85.5/67

In: -15.487+/-184.051 χ^2/NDF:53.6/54

Out: -219.708+/-180.235 χ^2/NDF:73.4/60

All: -119.736+/-128.774 χ^2/NDF: 127.6/115



Right In: 1223.328+/-0.208 χ^2/NDF: 5199414.9/31

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1185.224+/-0.199 χ^2/NDF: 6789312.0/35

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

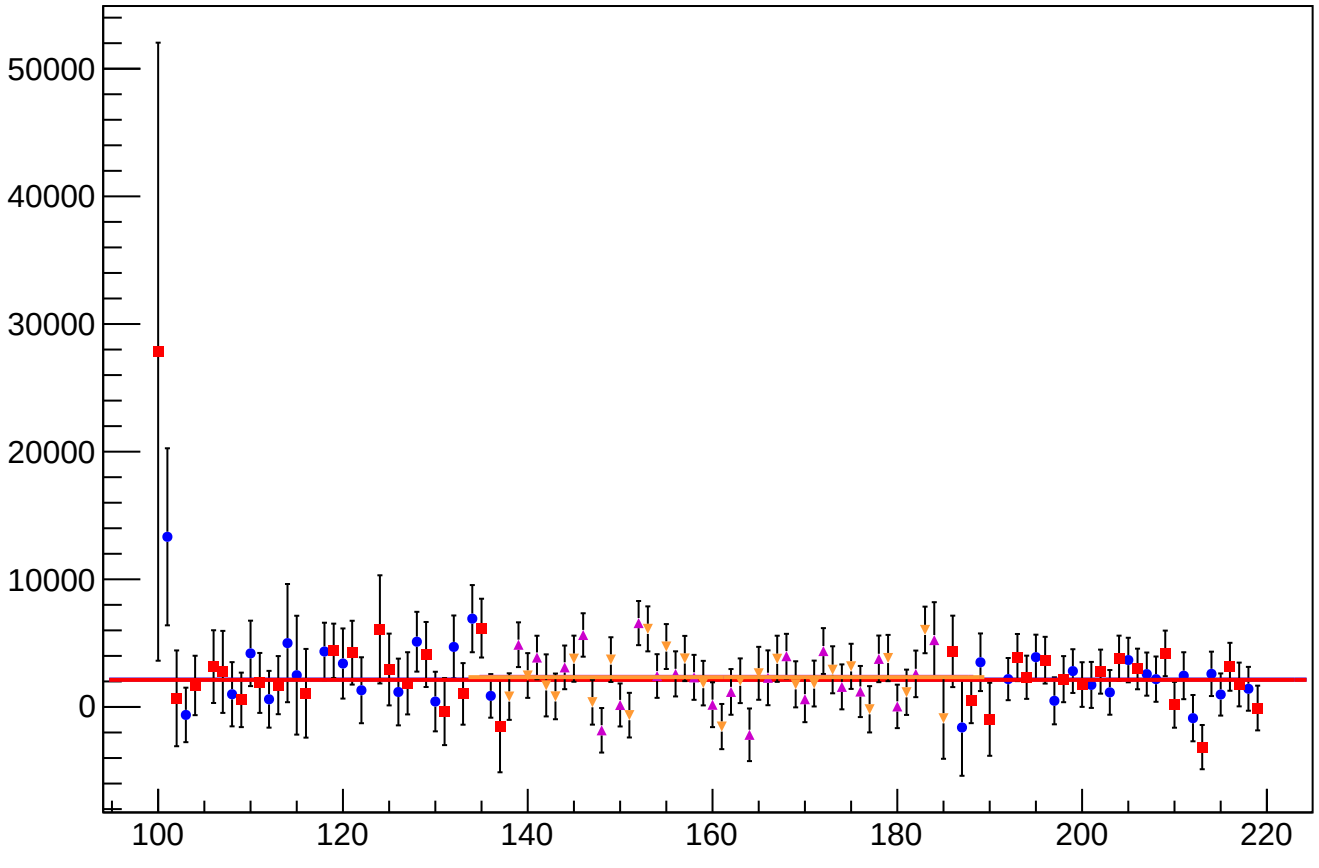
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1203.451+/-0.144 χ^2/NDF: 12006185.9/67

In: 1077.469+/-0.130 χ^2/NDF:7563438.7/54

Out: 1077.459+/-0.127 χ^2/NDF:8881078.3/60

All: 1077.464+/-0.091 χ^2/NDF: 16444516.9/1



Right In: 2144.847+/-368.983 χ^2/NDF: 22.5/31

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2122.403+/-359.576 χ^2/NDF: 30.2/35

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

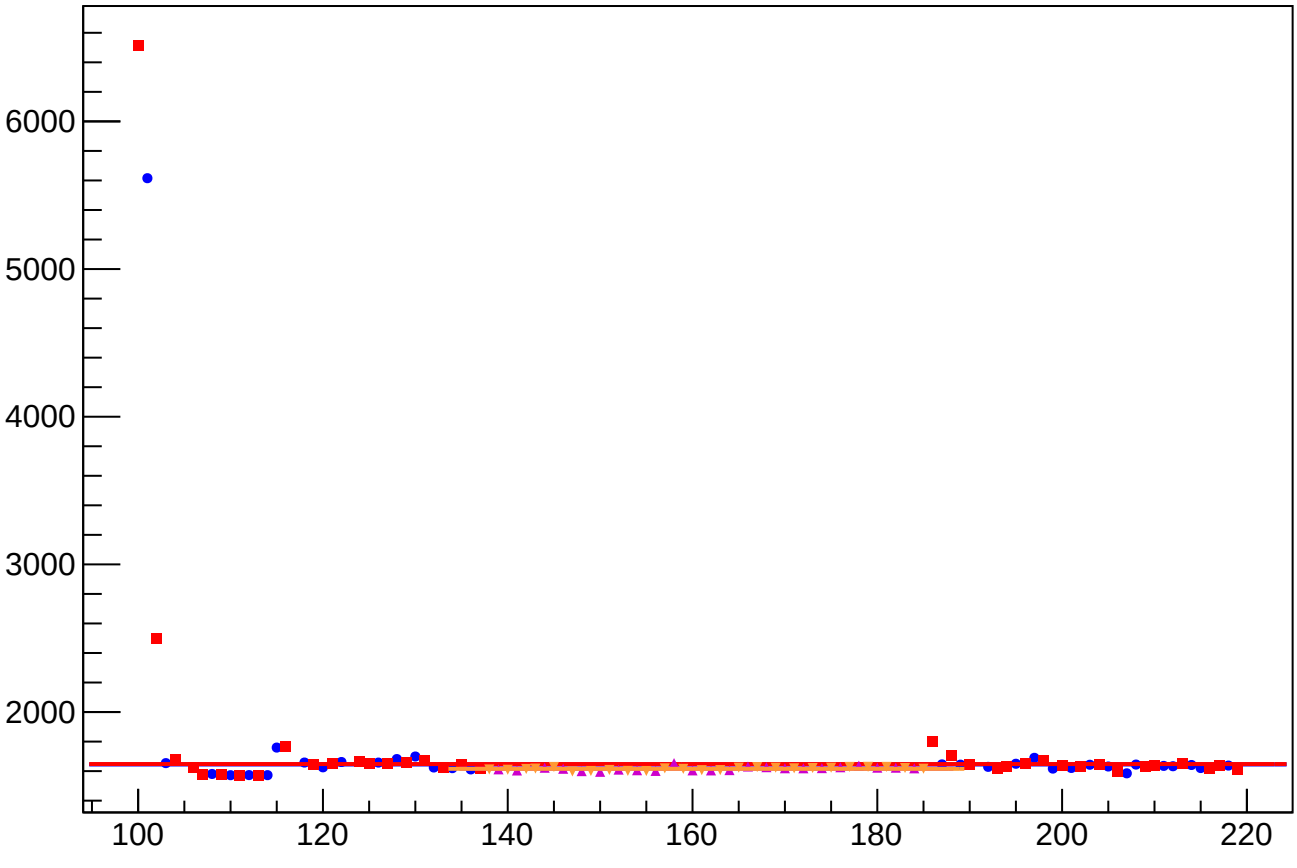
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2133.335+/-257.520 χ^2/NDF: 52.8/67

In: 2250.138+/-263.836 χ^2/NDF:56.7/54

Out: 2226.454+/-256.840 χ^2/NDF:58.7/60

All: 2237.978+/-184.037 χ^2/NDF: 115.4/115



Right In: 1645.009+/-0.261 χ^2/NDF: 670707.6/31

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1647.900+/-0.254 χ^2/NDF: 207229.6/35

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

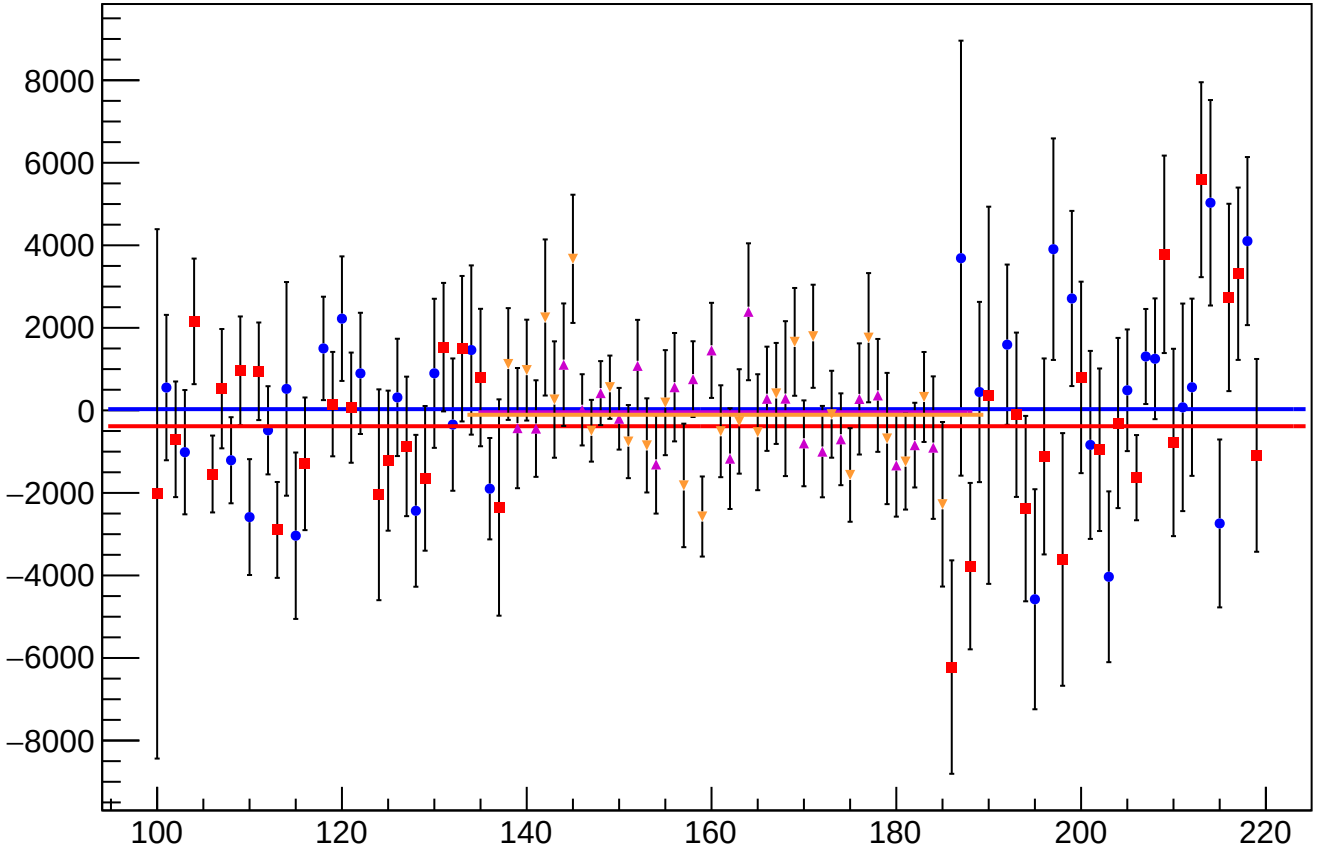
Right: 1646.492+/-0.182 χ^2/NDF: 878000.1/67

In: 1631.008+/-0.187 χ^2/NDF:679157.7/54

Out: 1632.096+/-0.182 χ^2/NDF:216565.2/60

All: 1631.567+/-0.130 χ^2/NDF: 895740.4/115

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 29.765+/-294.563 χ^2/NDF: 40.7/31

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -384.009+/-282.070 χ^2/NDF: 43.8/35

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

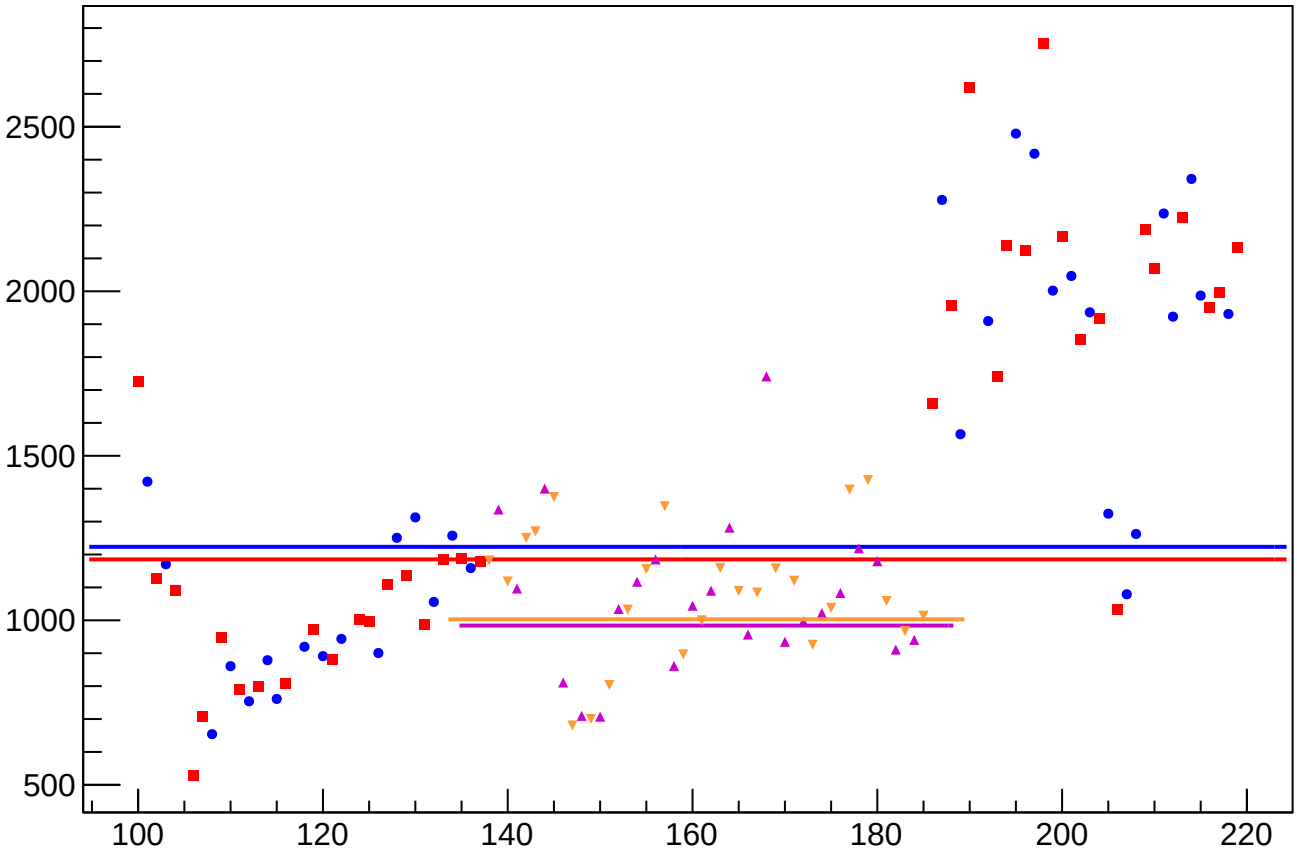
Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

Right: -186.083+/-203.727 χ^2/NDF: 85.5/67

In: -15.487+/-184.052 χ^2/NDF:53.6/54

Out: -219.709+/-180.235 χ^2/NDF:73.4/60

All: -119.737+/-128.774 χ^2/NDF: 127.6/115



Right In: 1223.325+/-0.208 χ^2/NDF: 5199476.7/31

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1185.221+/-0.199 χ^2/NDF: 6789358.9/35

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

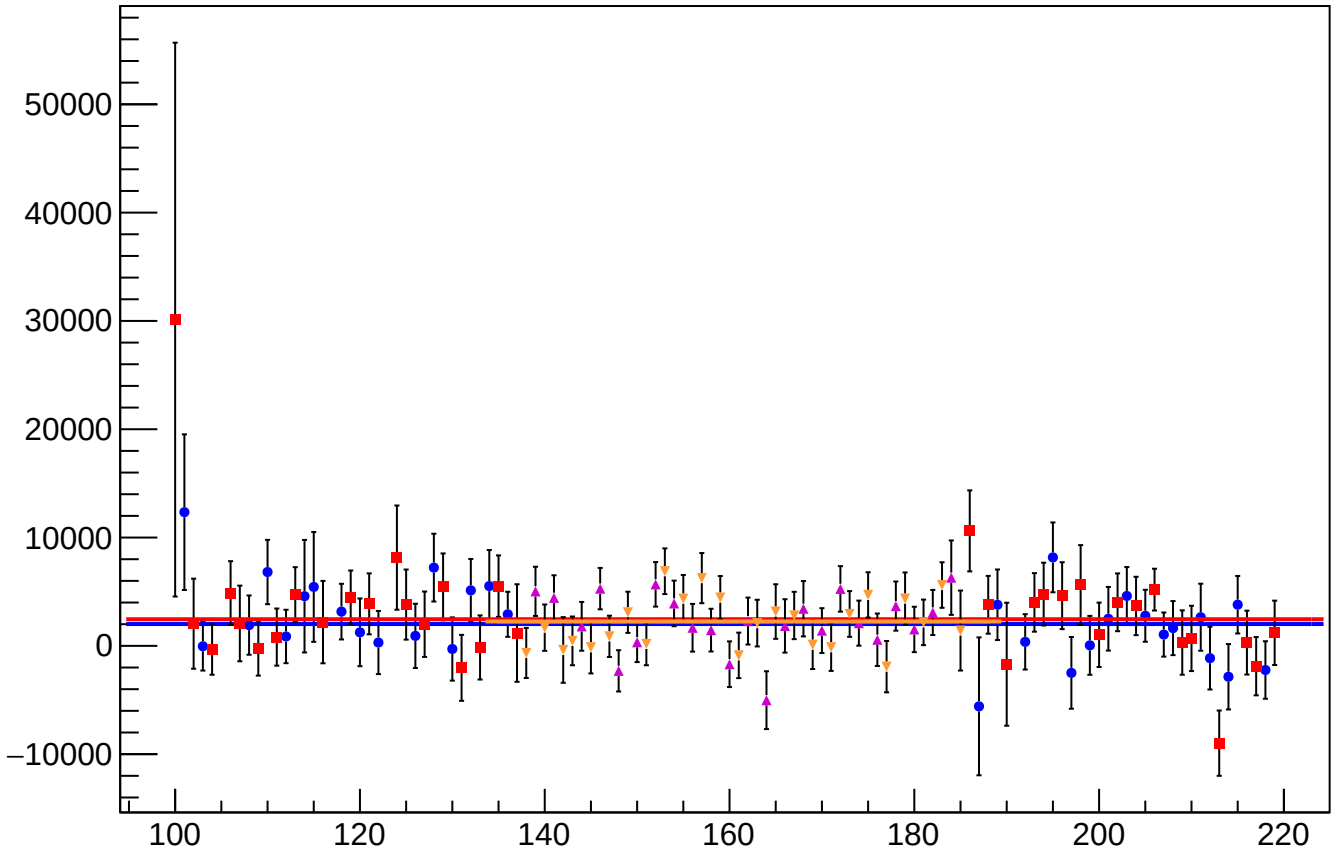
Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

Right: 1203.448+/-0.144 χ^2/NDF: 12006294.1/67

In: 1077.469+/-0.130 χ^2/NDF:7563468.8/54

Out: 1077.460+/-0.127 χ^2/NDF:8881101.8/60

All: 1077.464+/-0.091 χ^2/NDF: 16444570.6/1



Right In: 2014.047+/-506.722 χ^2/NDF: 29.3/31

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 2458.234+/-497.444 χ^2/NDF: 42.4/35

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

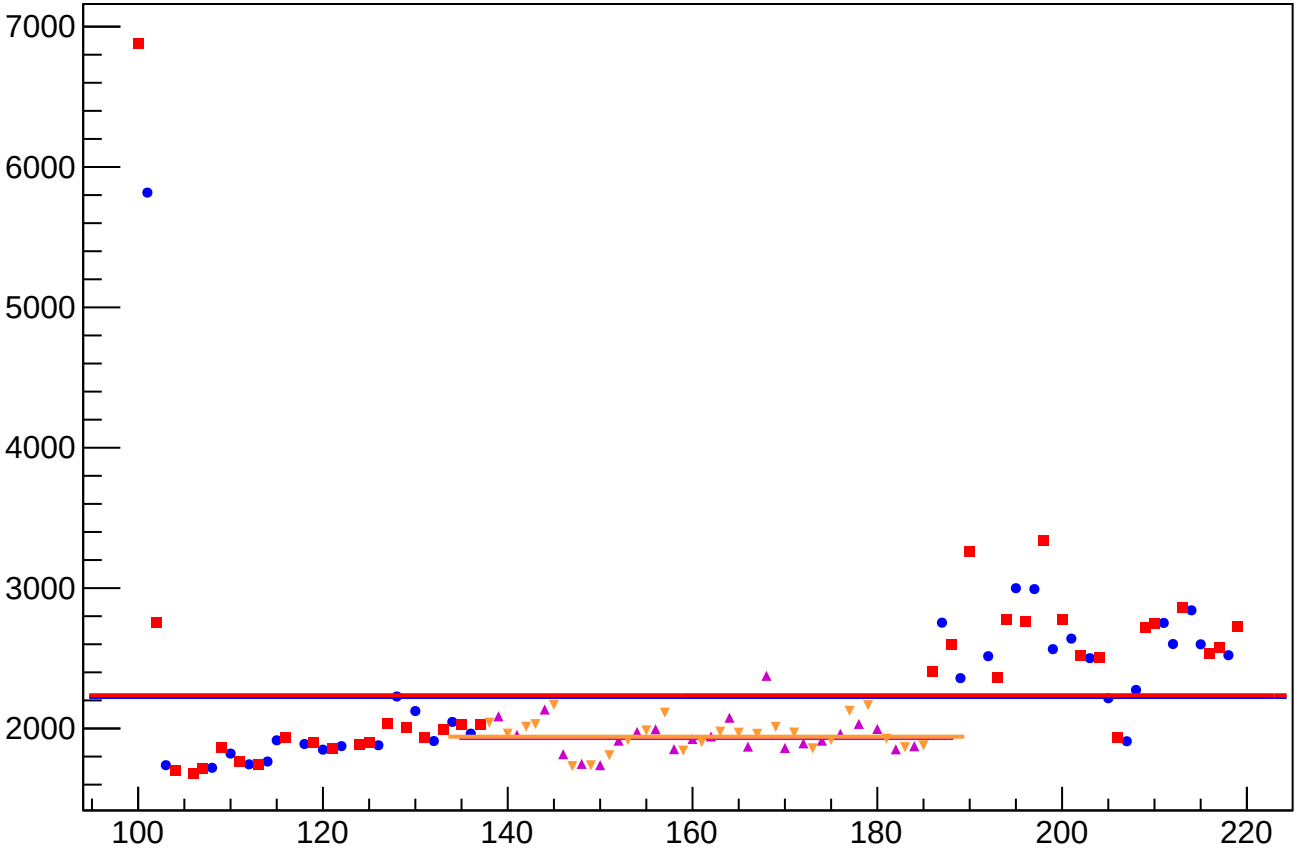
Right: 2240.244+/-354.981 χ^2/NDF: 72.1/67

In: 2128.343+/-337.425 χ^2/NDF:60.9/54

Out: 2343.249+/-330.501 χ^2/NDF:70.8/60

All: 2238.023+/-236.109 χ^2/NDF: 132.0/115

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 2224.206+/-0.358 χ^2/NDF: 1628341.9/31

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2236.861+/-0.352 χ^2/NDF: 1567210.4/35

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

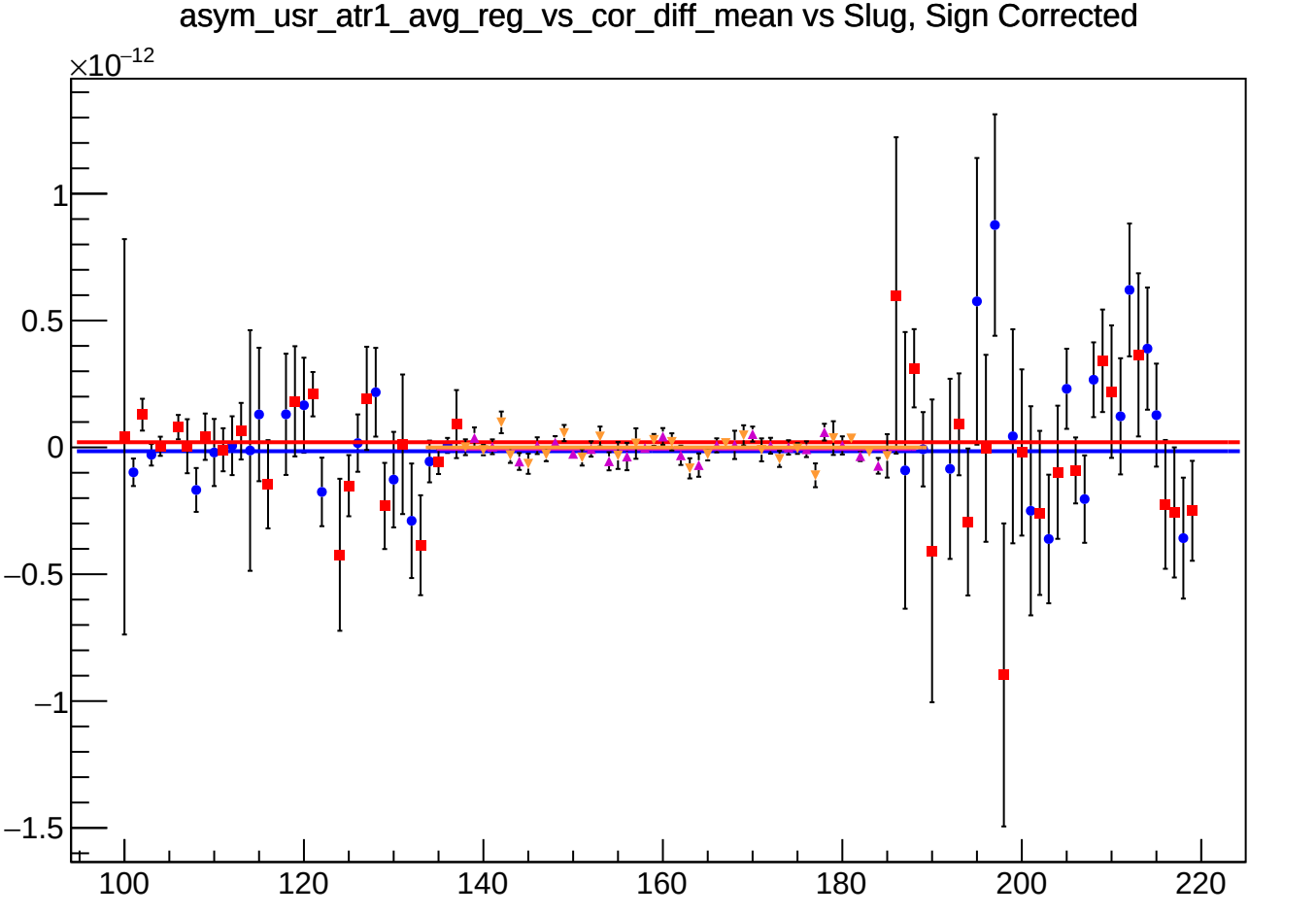
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2230.650+/-0.251 χ^2/NDF: 3196187.5/67

In: 2061.466+/-0.239 χ^2/NDF:2158861.4/54

Out: 2071.926+/-0.234 χ^2/NDF:2099849.2/60

All: 2066.804+/-0.167 χ^2/NDF: 4259691.6/11



Right In: -0.000+/-0.000 χ^2/NDF: 39.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 44.0/35

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

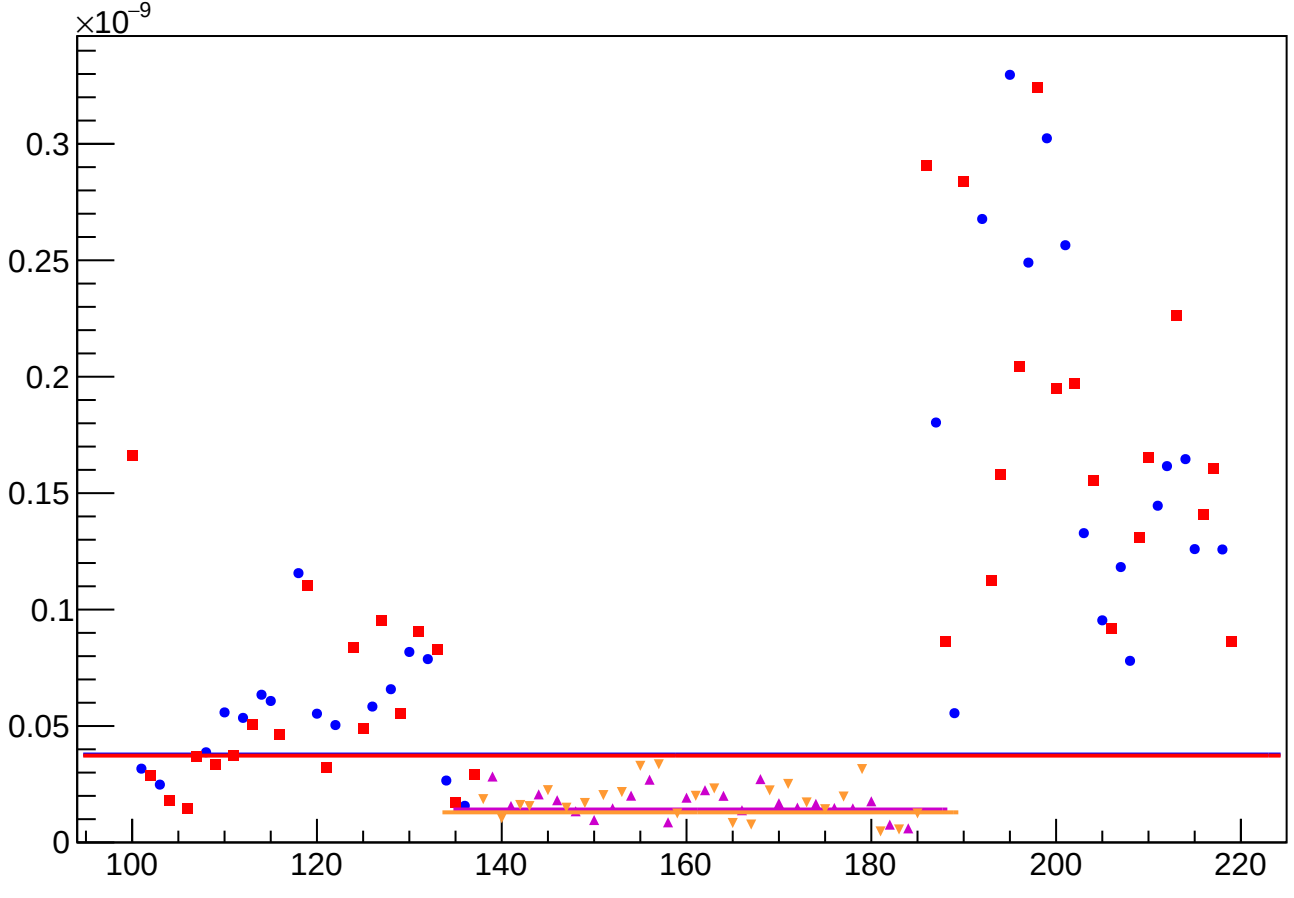
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: 0.000+/-0.000 χ^2/NDF: 85.4/67

In: -0.000+/-0.000 χ^2/NDF:67.3/54

Out: 0.000+/-0.000 χ^2/NDF:85.4/60

All: -0.000+/-0.000 χ^2/NDF: 154.0/115



Right In: 0.000+/-0.000 χ^2/NDF: 8567789.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8720540.4/35

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

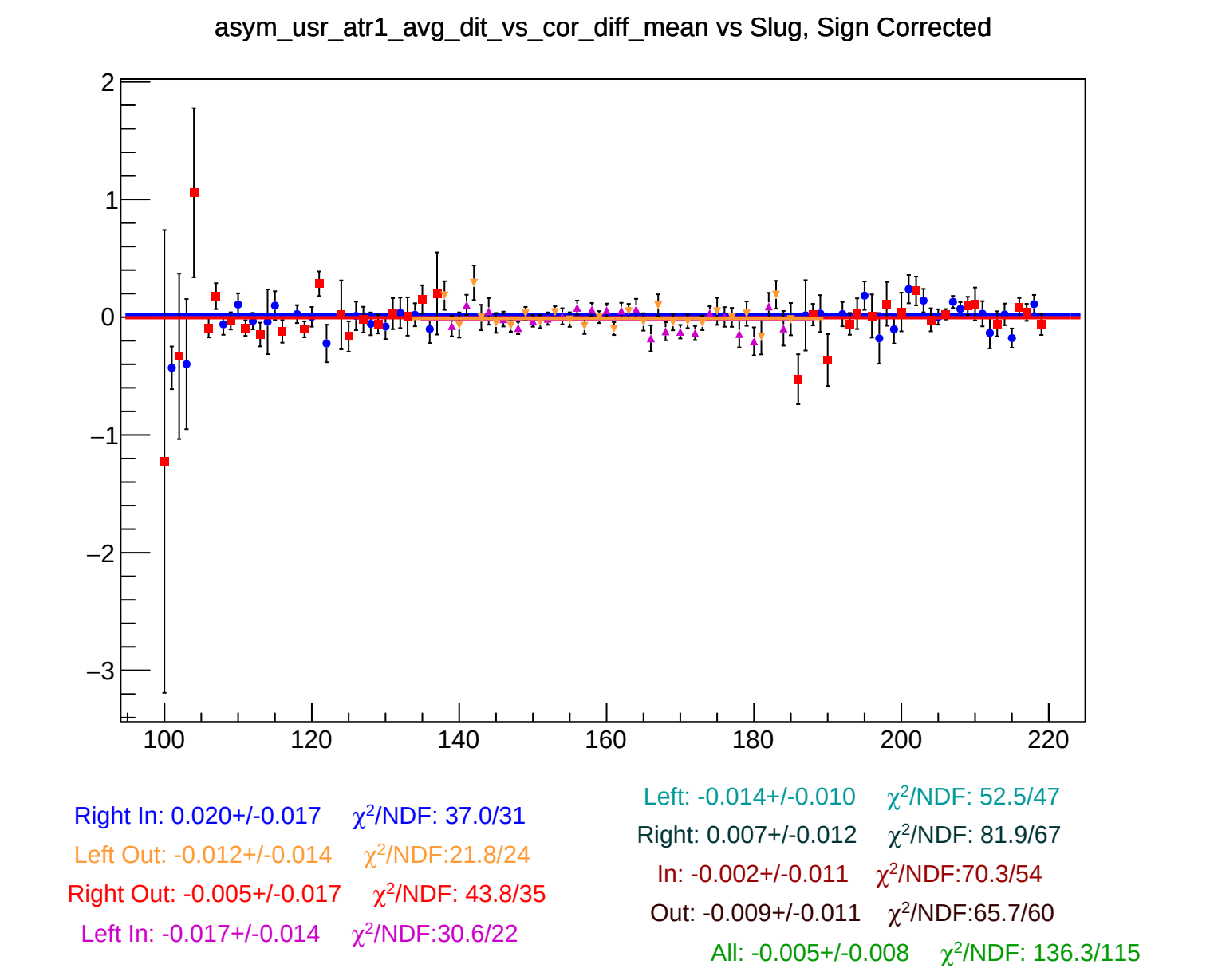
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

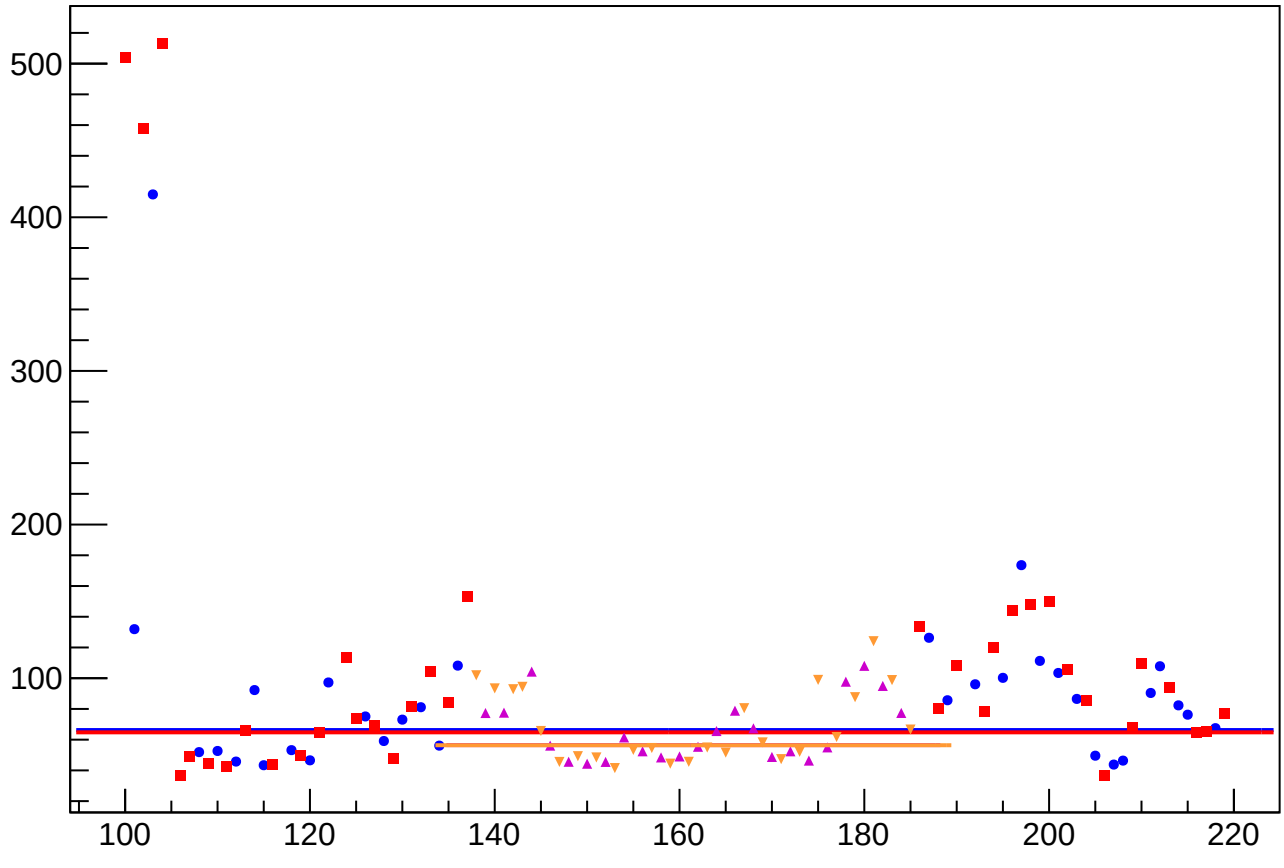
Right: 0.000+/-0.000 χ^2/NDF: 17288945.6/67

In: 0.000+/-0.000 χ^2/NDF:13124726.4/54

Out: 0.000+/-0.000 χ^2/NDF:14753748.1/60

All: 0.000+/-0.000 χ^2/NDF: 27948776.8/115


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: 0.020+/-0.017 χ²/NDF: 37.0/31
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.005+/-0.017 χ²/NDF: 43.8/35
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.007+/-0.012 χ²/NDF: 81.9/67
In: -0.002+/-0.011 χ²/NDF:70.3/54
Out: -0.009+/-0.011 χ²/NDF:65.7/60
All: -0.005+/-0.008 χ²/NDF: 136.3/115



Right In: 66.252+/-0.012 χ^2/NDF: 4639468.7/31

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 64.771+/-0.012 χ^2/NDF: 6444803.1/35

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

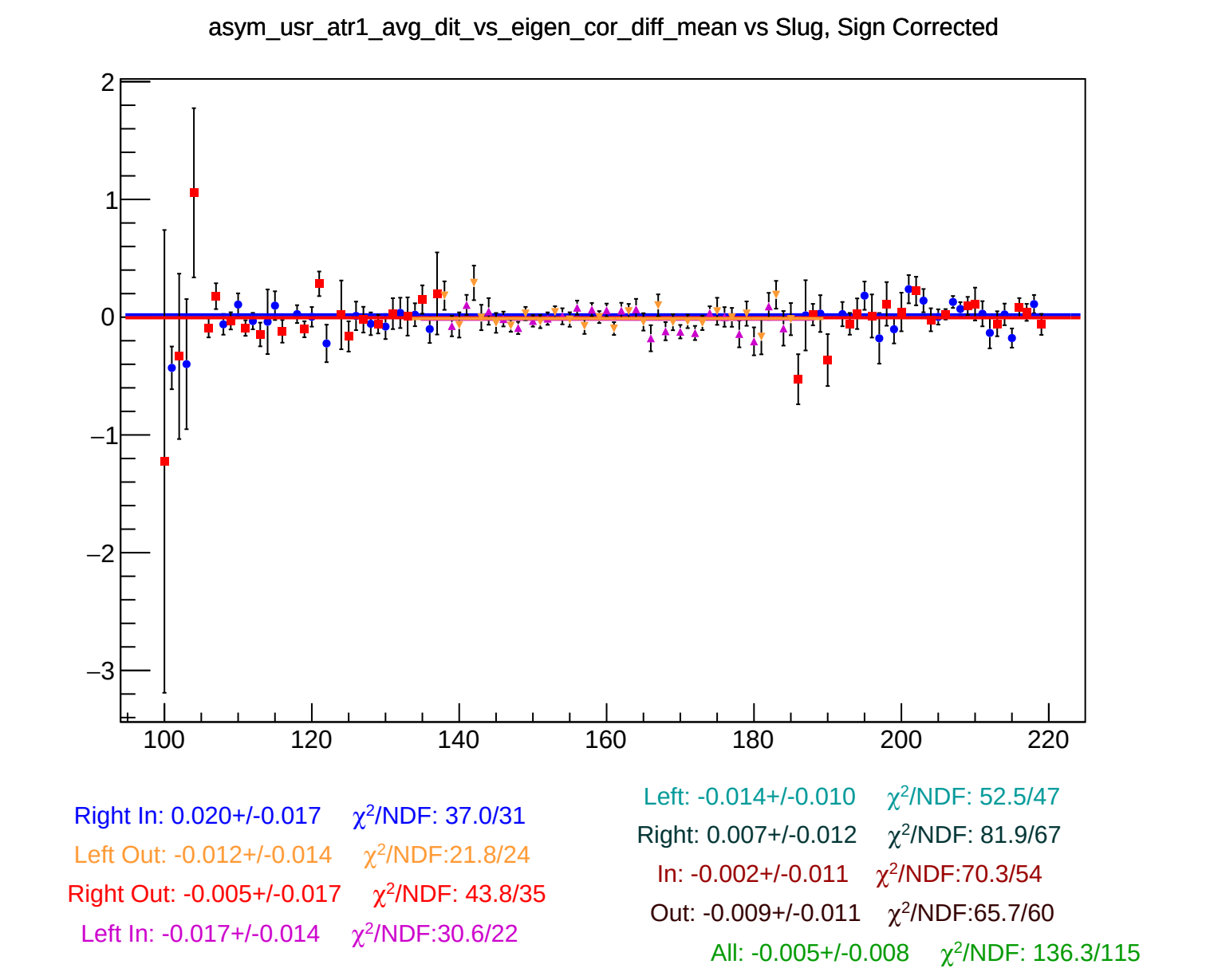
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 65.496+/-0.008 χ^2/NDF: 11091886.2/67

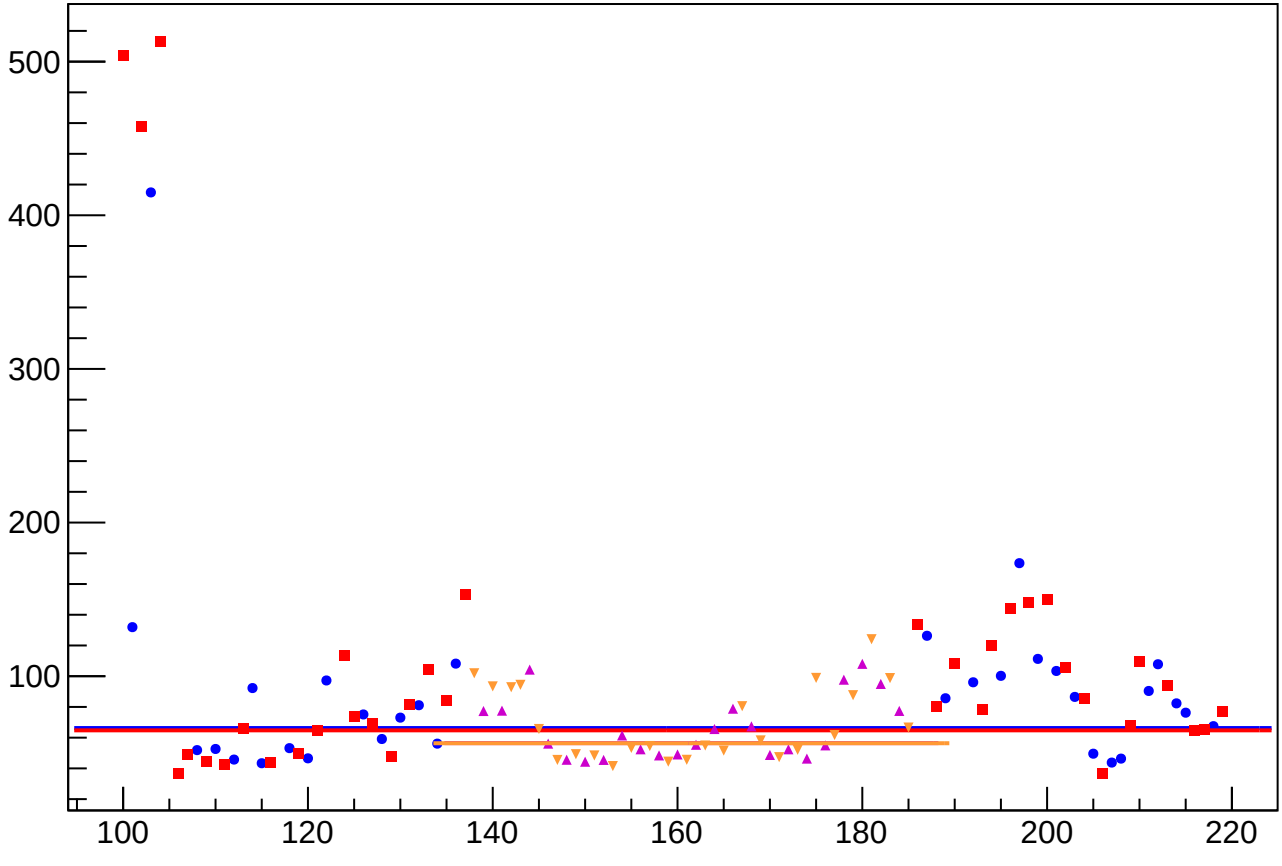
In: 60.541+/-0.008 χ^2/NDF:7159516.6/54

Out: 59.908+/-0.008 χ^2/NDF:9531748.2/60

All: 60.220+/-0.005 χ^2/NDF: 16694588.0/115


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: 0.020+/-0.017 χ²/NDF: 37.0/31
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.005+/-0.017 χ²/NDF: 43.8/35
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.007+/-0.012 χ²/NDF: 81.9/67
In: -0.002+/-0.011 χ²/NDF:70.3/54
Out: -0.009+/-0.011 χ²/NDF:65.7/60
All: -0.005+/-0.008 χ²/NDF: 136.3/115

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.252+/-0.012 χ^2/NDF: 4639468.7/31

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 64.771+/-0.012 χ^2/NDF: 6444803.1/35

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

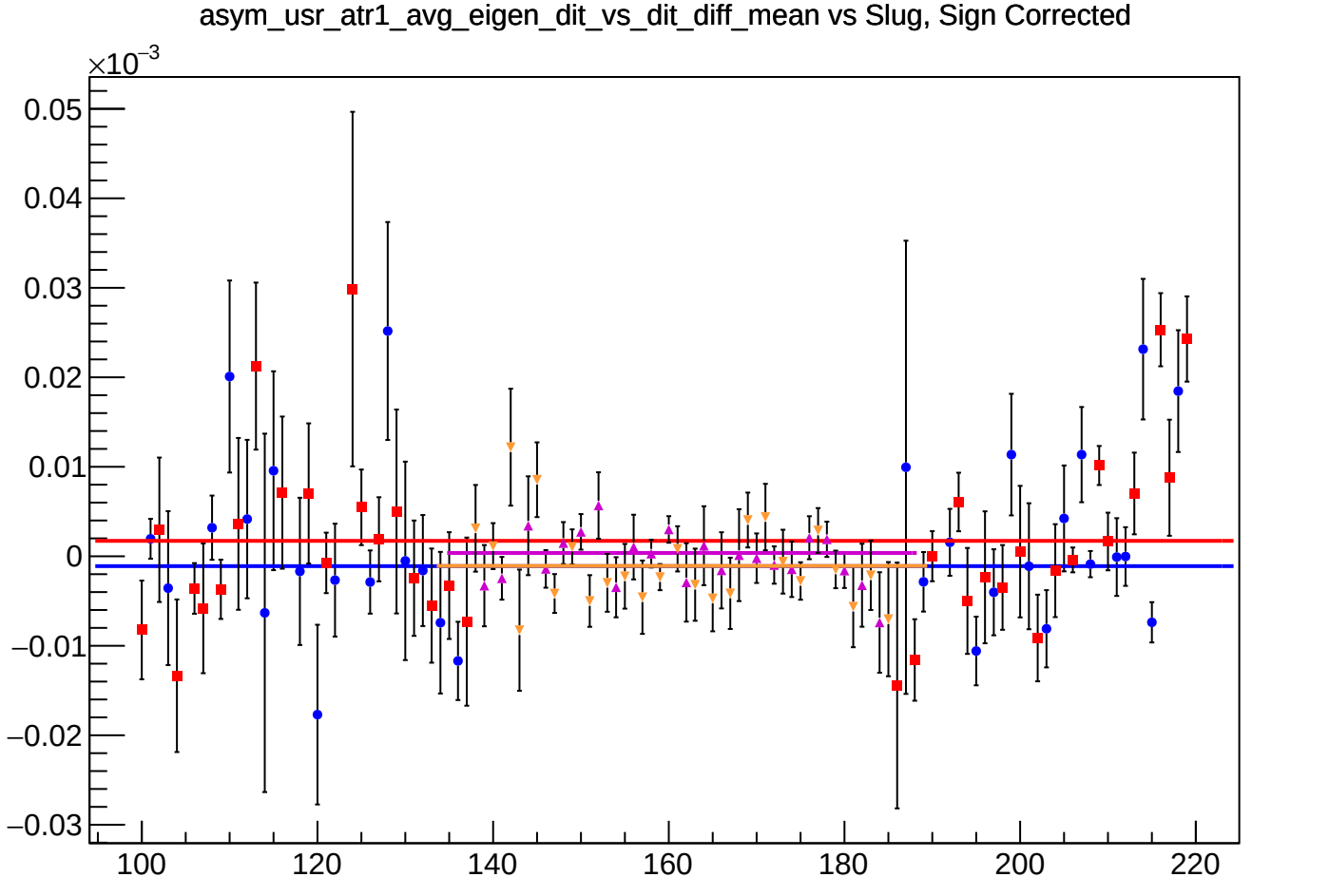
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

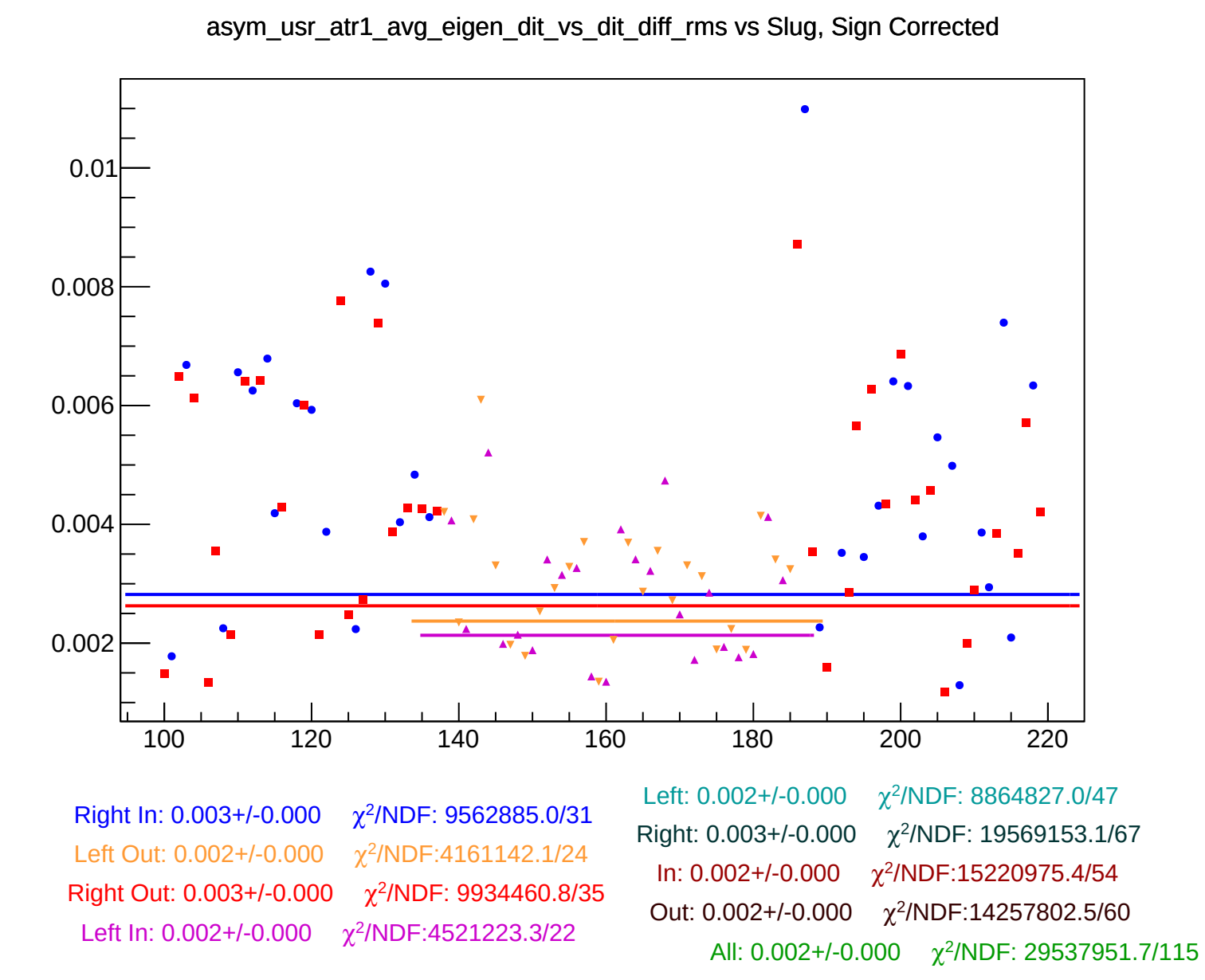
Right: 65.496+/-0.008 χ^2/NDF: 11091886.2/67

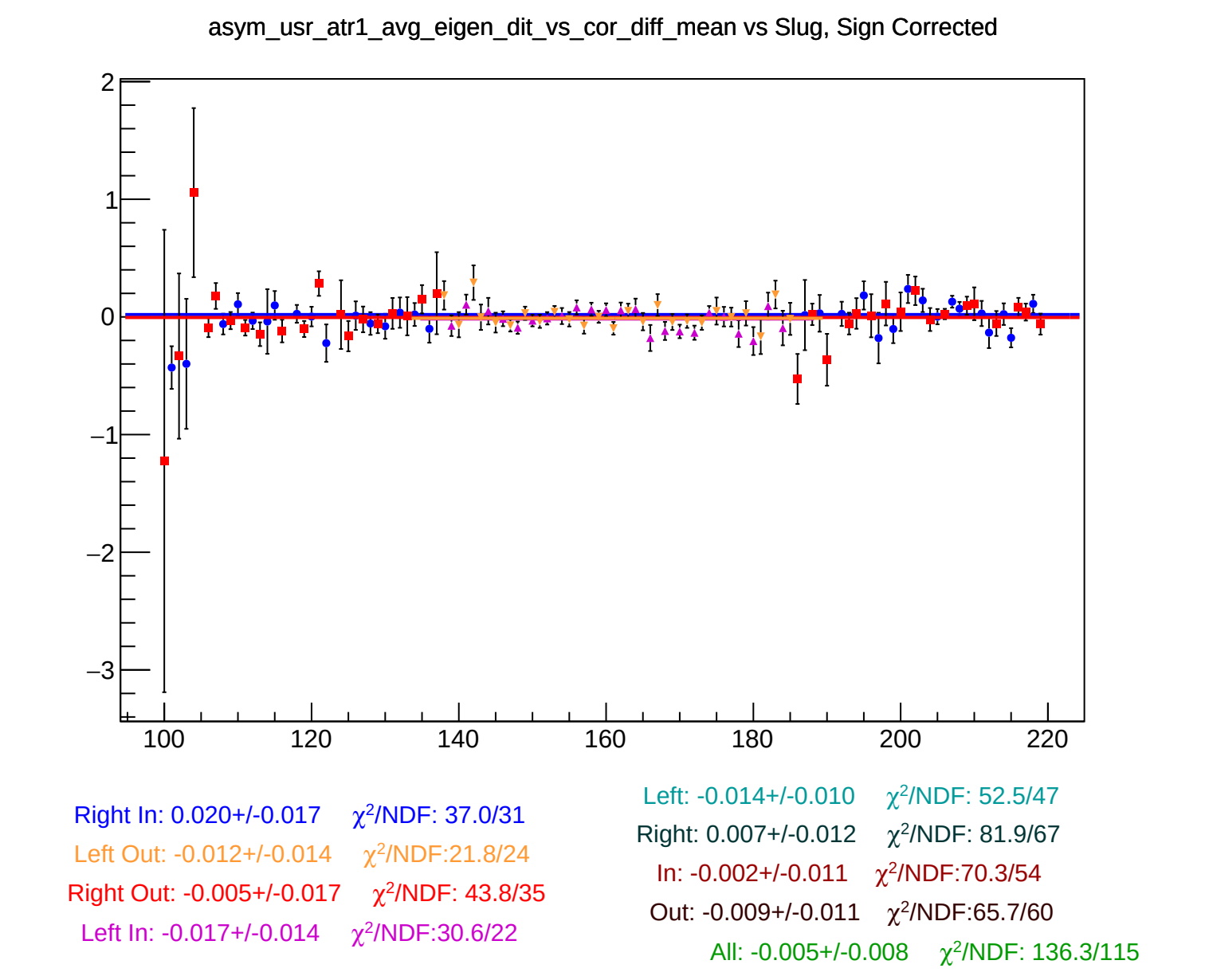
In: 60.541+/-0.008 χ^2/NDF:7159516.6/54

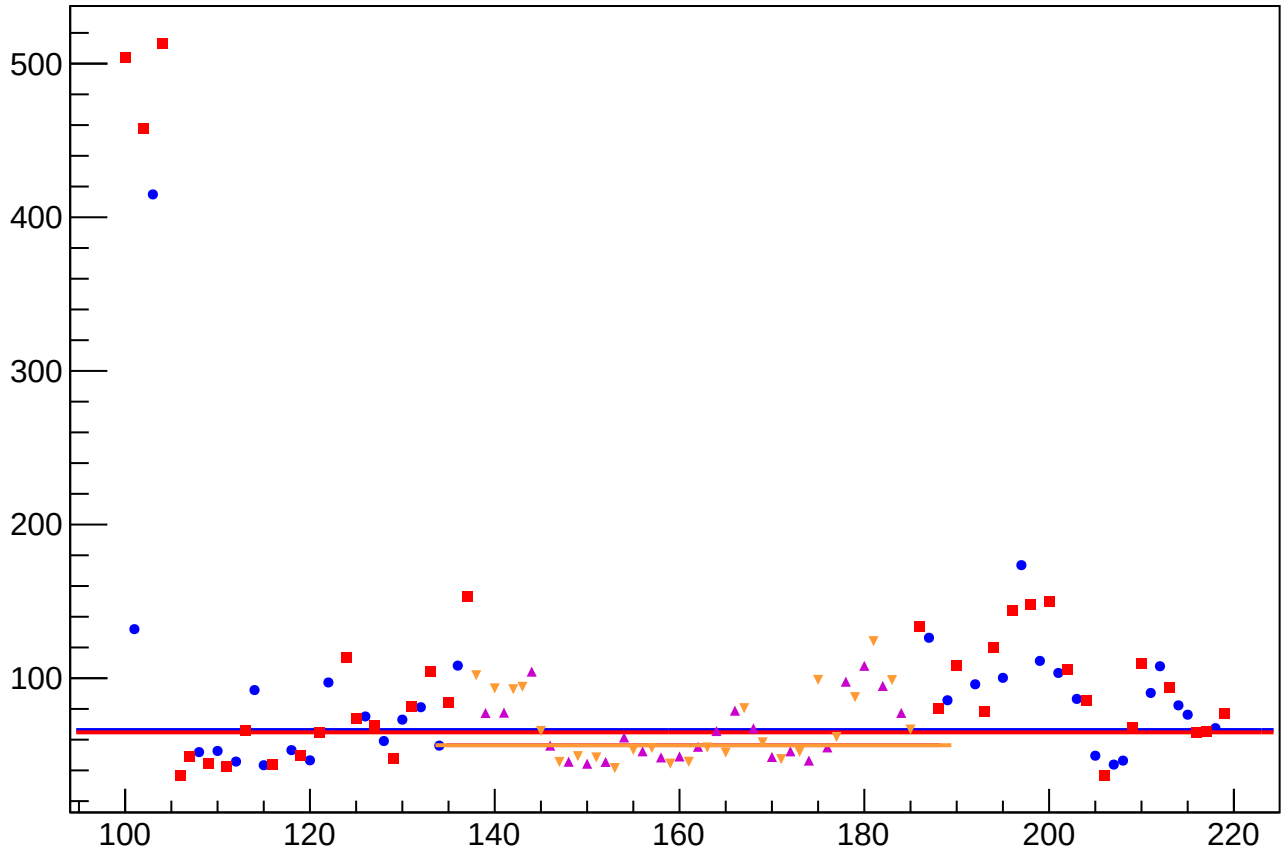
Out: 59.908+/-0.008 χ^2/NDF:9531748.2/60

All: 60.220+/-0.005 χ^2/NDF: 16694588.0/115


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 68.4/31
Left Out: -0.000+/-0.000 χ²/NDF:31.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 121.6/35
Left In: 0.000+/-0.000 χ²/NDF:17.5/22
Left: -0.000+/-0.000 χ²/NDF: 52.4/47
Right: 0.000+/-0.000 χ²/NDF: 197.8/67
In: -0.000+/-0.000 χ²/NDF:88.4/54
Out: 0.000+/-0.000 χ²/NDF:162.8/60
All: -0.000+/-0.000 χ²/NDF: 251.4/115


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.003+/-0.000 χ²/NDF: 9562885.0/31
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 9934460.8/35
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
Left: 0.002+/-0.000 χ²/NDF: 8864827.0/47
Right: 0.003+/-0.000 χ²/NDF: 19569153.1/67
In: 0.002+/-0.000 χ²/NDF:15220975.4/54
Out: 0.002+/-0.000 χ²/NDF:14257802.5/60
All: 0.002+/-0.000 χ²/NDF: 29537951.7/115


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.020+/-0.017 χ²/NDF: 37.0/31
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.005+/-0.017 χ²/NDF: 43.8/35
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.007+/-0.012 χ²/NDF: 81.9/67
In: -0.002+/-0.011 χ²/NDF:70.3/54
Out: -0.009+/-0.011 χ²/NDF:65.7/60
All: -0.005+/-0.008 χ²/NDF: 136.3/115



Right In: 66.252+/-0.012 χ^2/NDF: 4639431.4/31

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 64.771+/-0.012 χ^2/NDF: 6444848.8/35

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

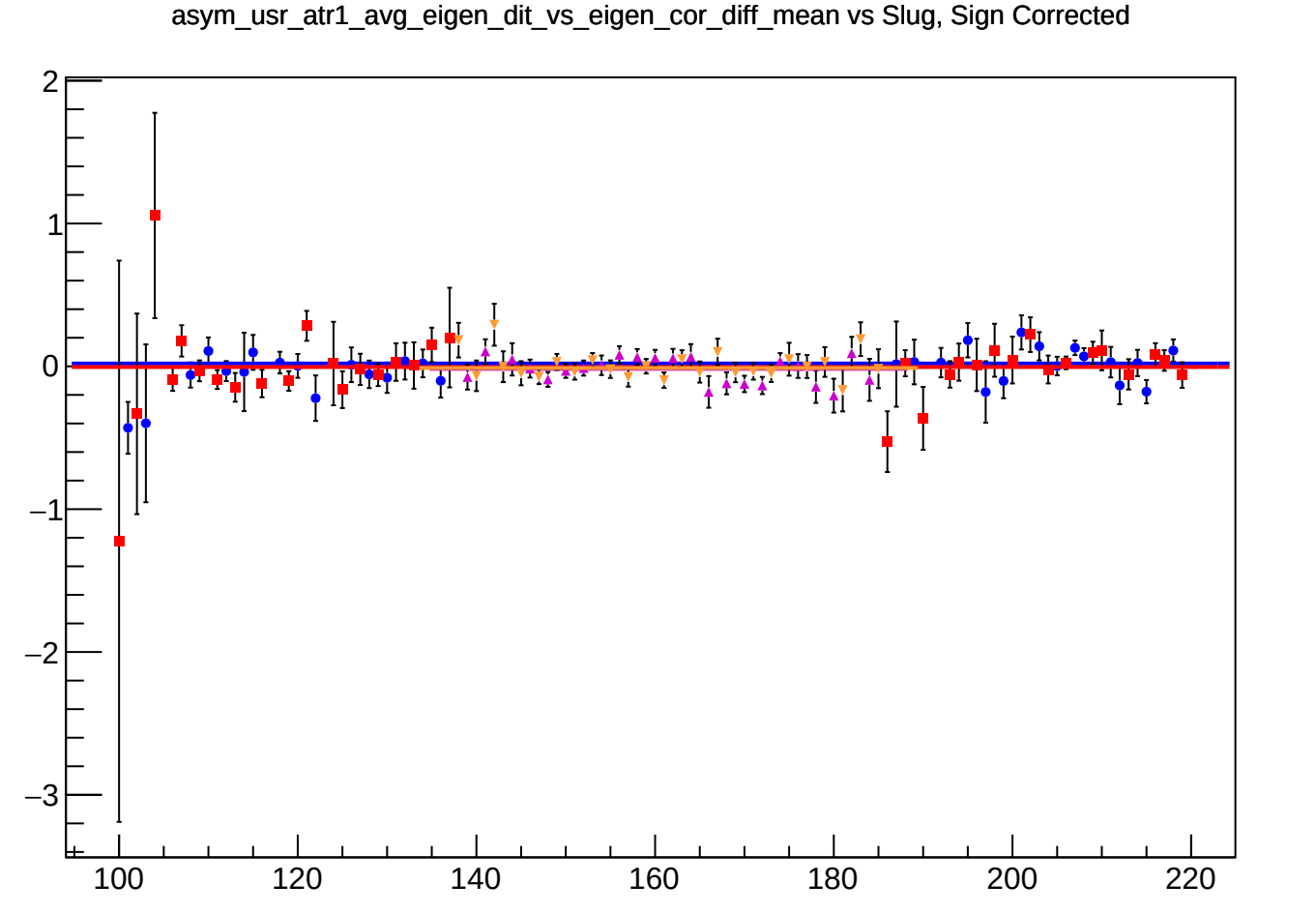
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 65.496+/-0.008 χ^2/NDF: 11091896.1/67

In: 60.541+/-0.008 χ^2/NDF:7159426.2/54

Out: 59.908+/-0.008 χ^2/NDF:9531821.3/60

All: 60.220+/-0.005 χ^2/NDF: 16694570.9/115



Right In: 0.020+/-0.017 χ^2/NDF: 37.0/31

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.005+/-0.017 χ^2/NDF: 43.8/35

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

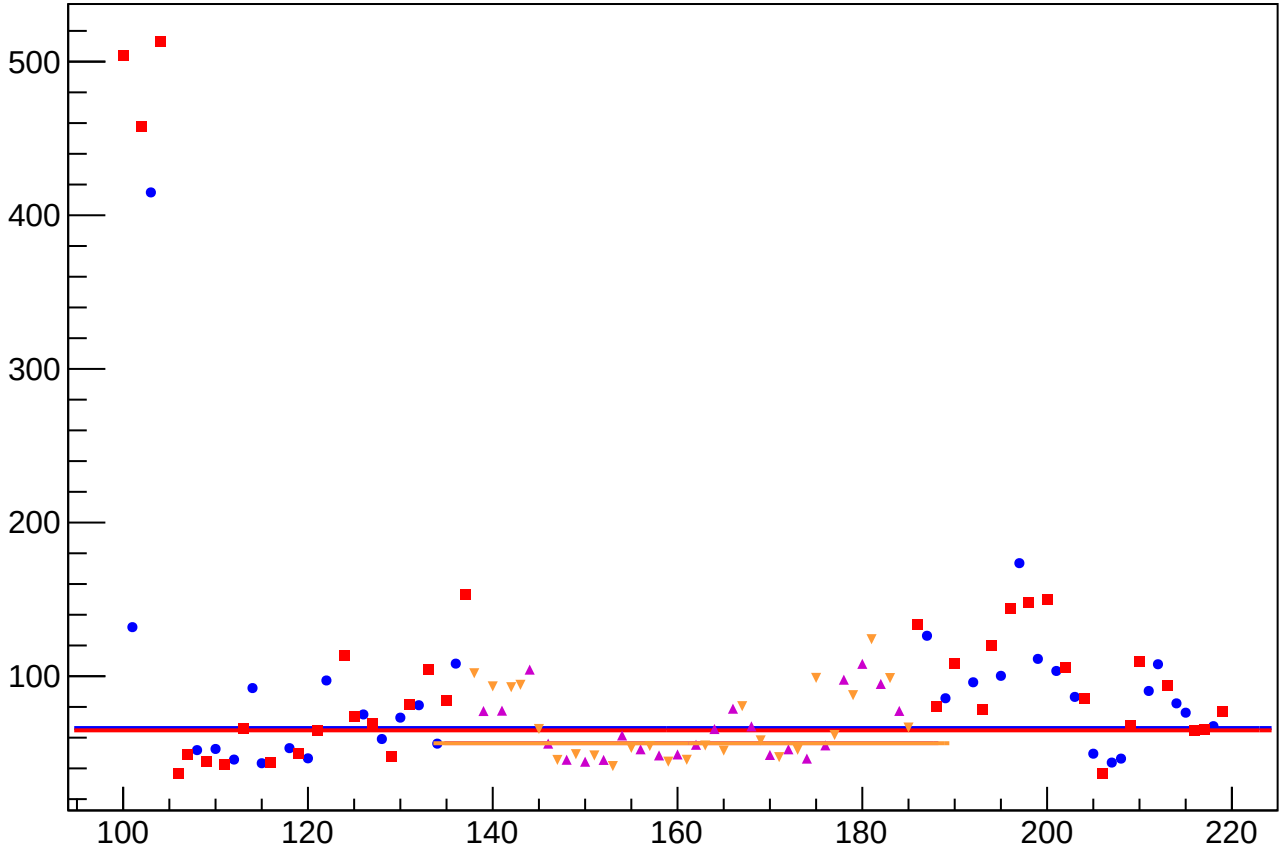
Right: 0.007+/-0.012 χ^2/NDF: 81.9/67

In: -0.002+/-0.011 χ^2/NDF:70.3/54

Out: -0.009+/-0.011 χ^2/NDF:65.7/60

All: -0.005+/-0.008 χ^2/NDF: 136.3/115

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.252+/-0.012 χ^2/NDF: 4639431.4/31

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 64.771+/-0.012 χ^2/NDF: 6444848.8/35

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

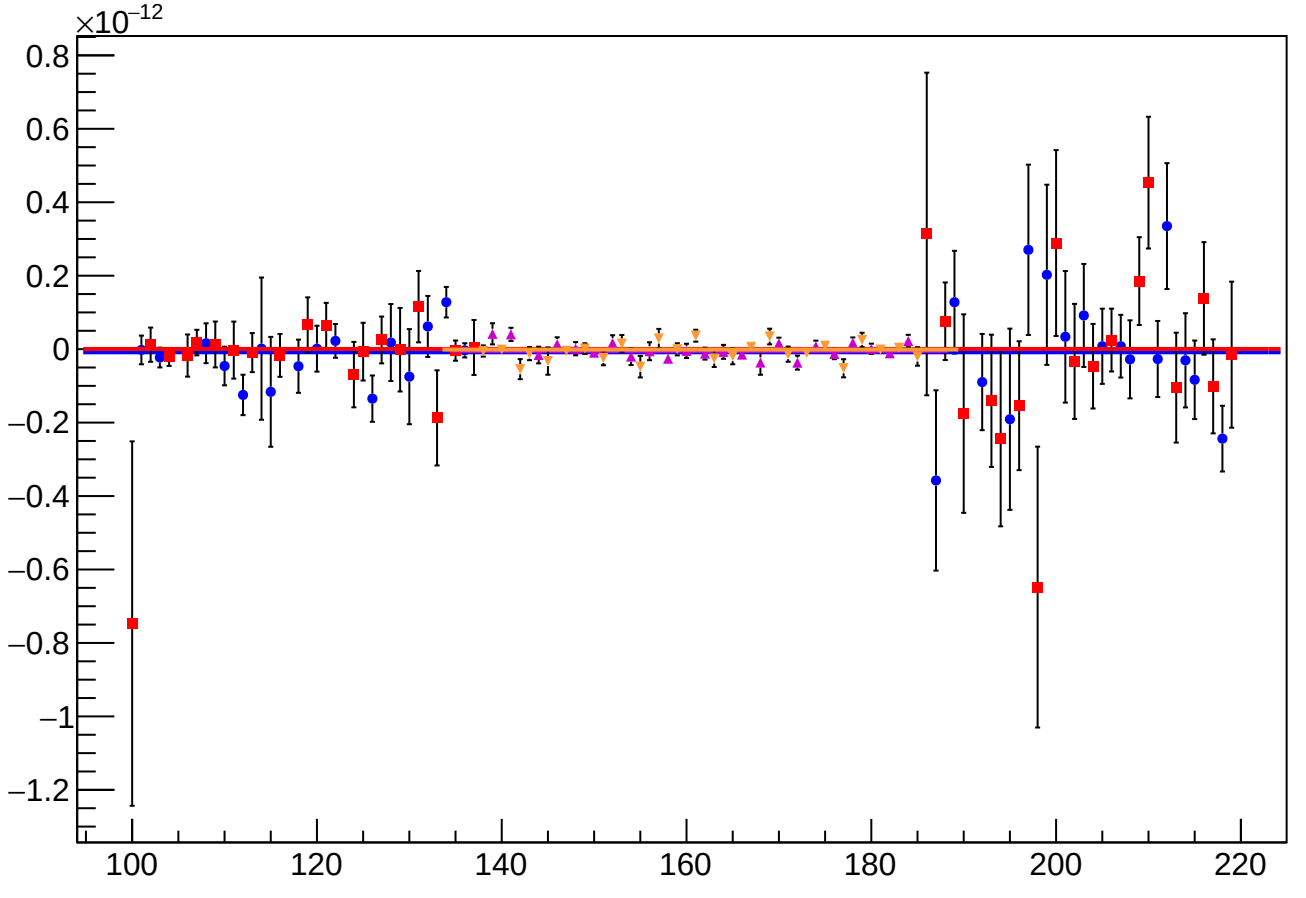
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 65.496+/-0.008 χ^2/NDF: 11091896.1/67

In: 60.541+/-0.008 χ^2/NDF:7159426.2/54

Out: 59.908+/-0.008 χ^2/NDF:9531821.3/60

All: 60.220+/-0.005 χ^2/NDF: 16694570.9/115



Right In: -0.000+/-0.000 χ^2/NDF: 40.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/35

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

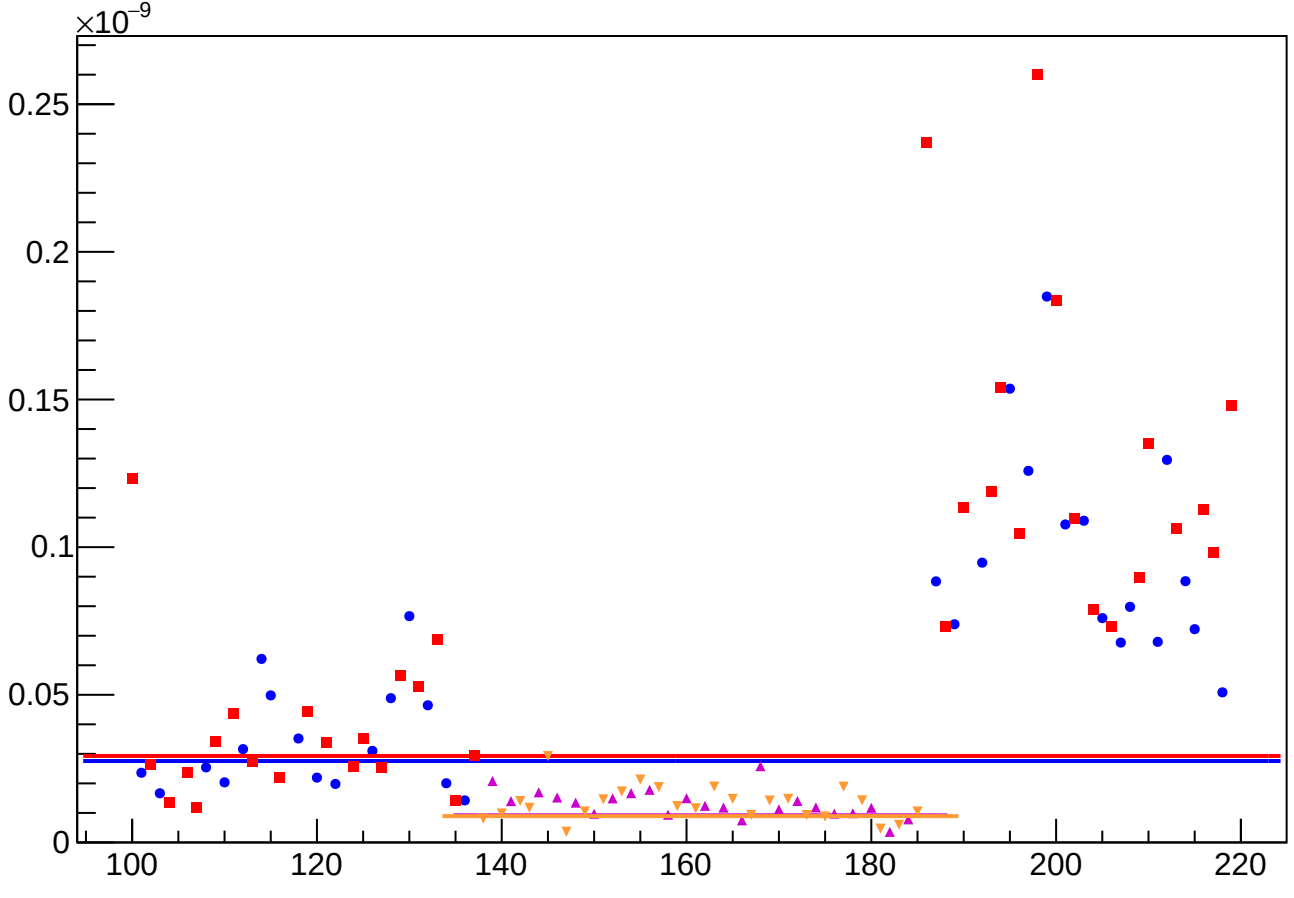
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 70.0/67

In: -0.000+/-0.000 χ^2/NDF:69.4/54

Out: -0.000+/-0.000 χ^2/NDF:58.4/60

All: -0.000+/-0.000 χ^2/NDF: 128.8/115



Right In: 0.000+/-0.000 χ^2/NDF: 9060591.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11593462.1/35

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

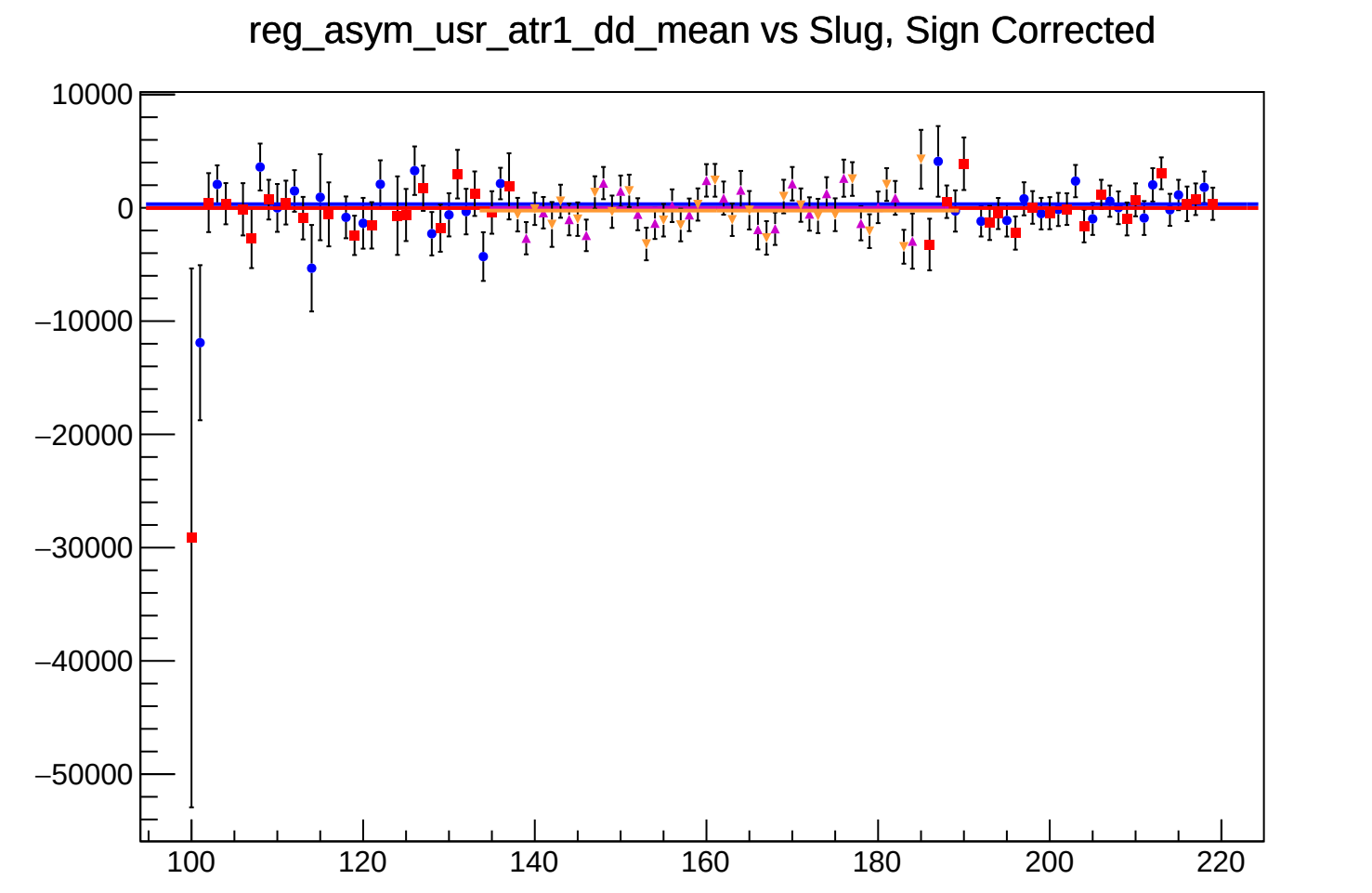
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 20678427.7/67

In: 0.000+/-0.000 χ^2/NDF:19676311.9/54

Out: 0.000+/-0.000 χ^2/NDF:22724158.2/60

All: 0.000+/-0.000 χ^2/NDF: 42416097.4/115



Right In: 322.874+/-300.072 χ^2/NDF: 32.6/31

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: -20.853+/-291.825 χ^2/NDF: 26.2/35

Left In: -39.122+/-308.622 χ^2/NDF:27.1/22

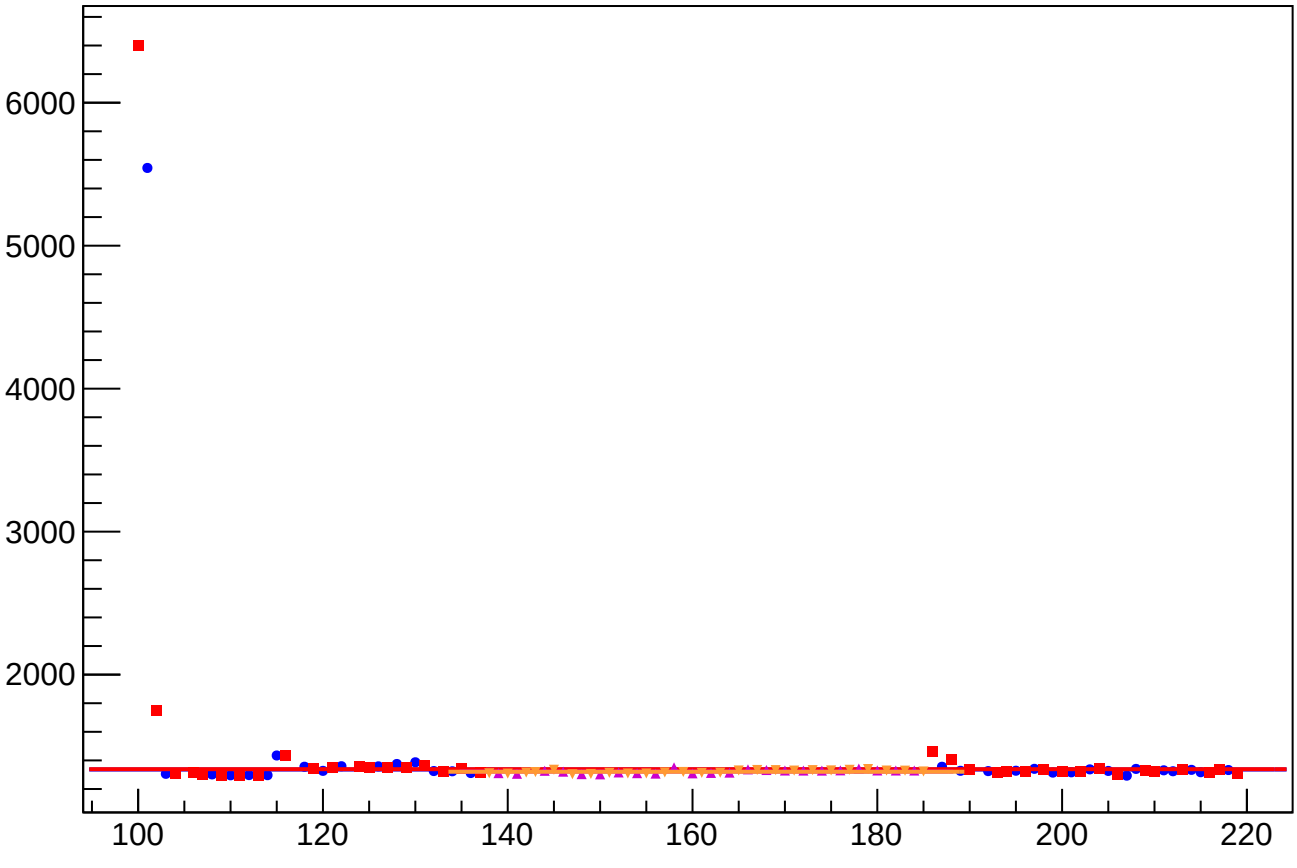
Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

Right: 146.222+/-209.207 χ^2/NDF: 59.5/67

In: 146.959+/-215.142 χ^2/NDF:60.4/54

Out: -127.822+/-209.185 χ^2/NDF:58.2/60

All: 5.712+/-149.978 χ^2/NDF: 119.5/115



Right In: 1336.253+/-0.212 χ^2/NDF: 767094.2/31

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1338.607+/-0.206 χ^2/NDF: 163454.8/35

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

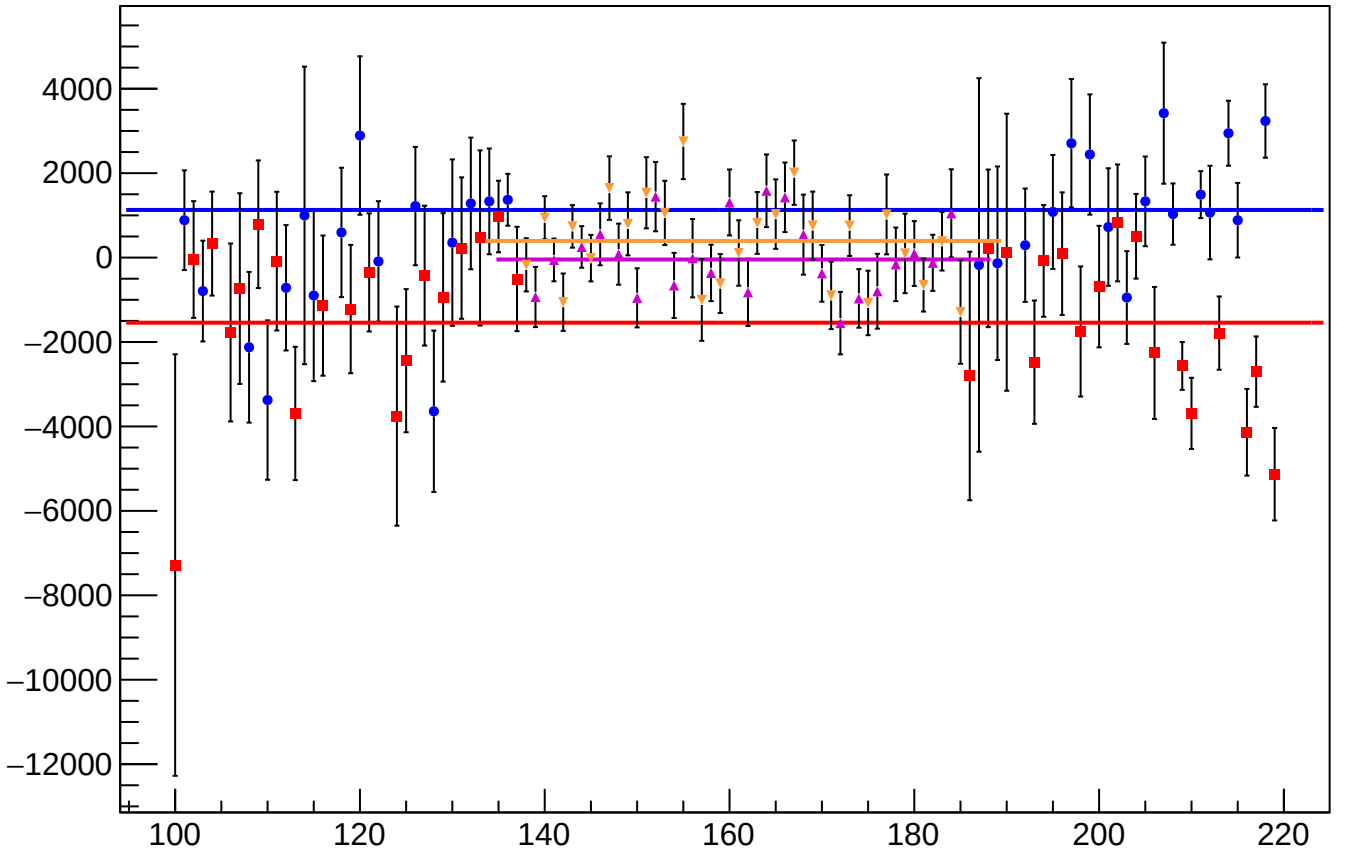
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1337.463+/-0.148 χ^2/NDF: 930612.3/67

In: 1329.221+/-0.152 χ^2/NDF:772907.5/54

Out: 1329.921+/-0.148 χ^2/NDF:169702.0/60

All: 1329.581+/-0.106 χ^2/NDF: 942620.4/115



Right In: 1128.488+/-204.870 χ^2/NDF: 42.7/31

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -1541.913+/-214.112 χ^2/NDF: 64.7/35

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

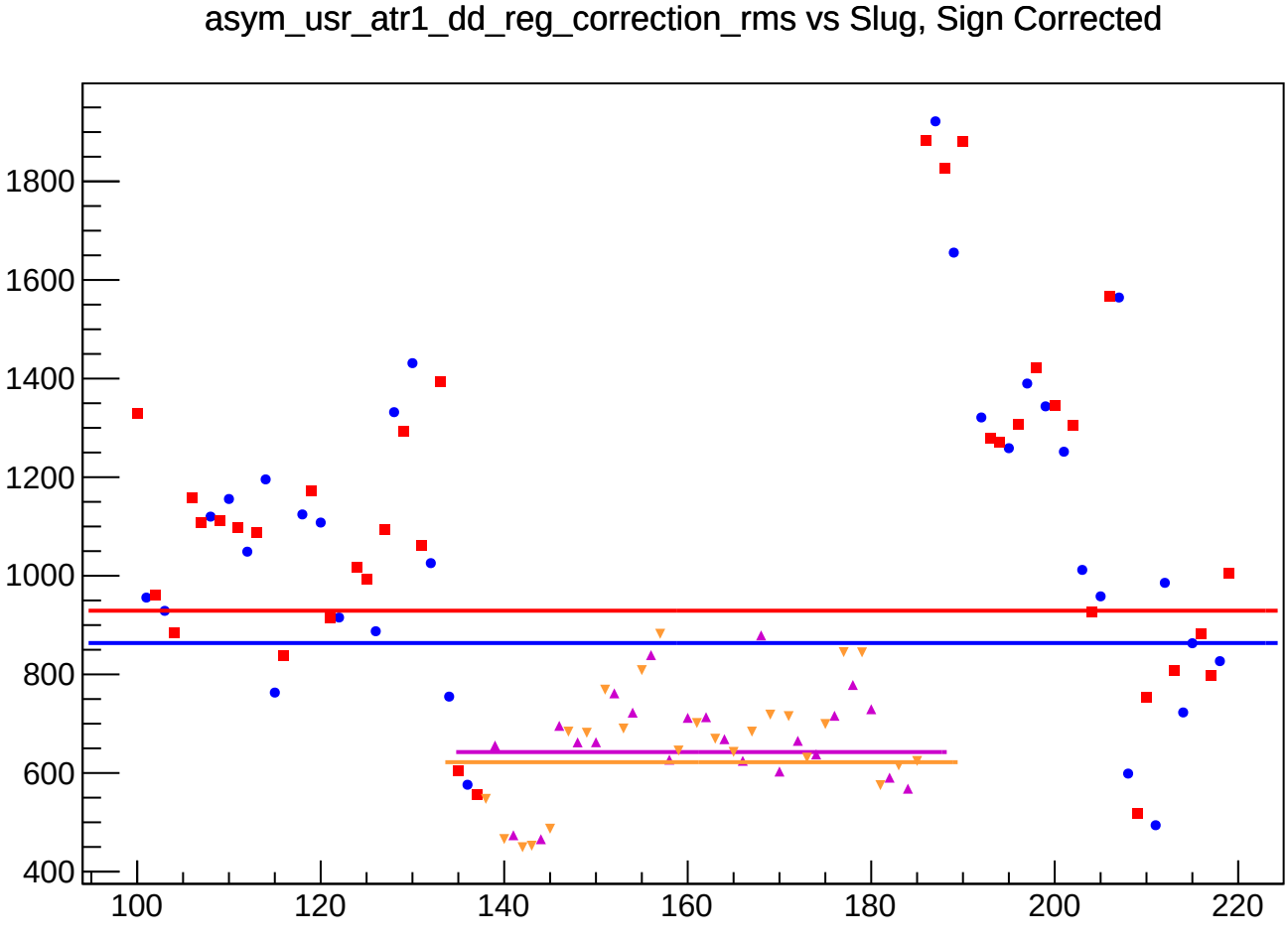
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: -147.842+/-148.024 χ^2/NDF: 188.6/67

In: 372.945+/-122.243 χ^2/NDF:91.4/54

Out: -211.793+/-119.810 χ^2/NDF:162.7/60

All: 74.700+/-85.566 χ^2/NDF: 265.8/115



Right In: 863.634+/-0.145 χ^2/NDF: 4043487.4/31

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 929.196+/-0.151 χ^2/NDF: 4179403.0/35

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

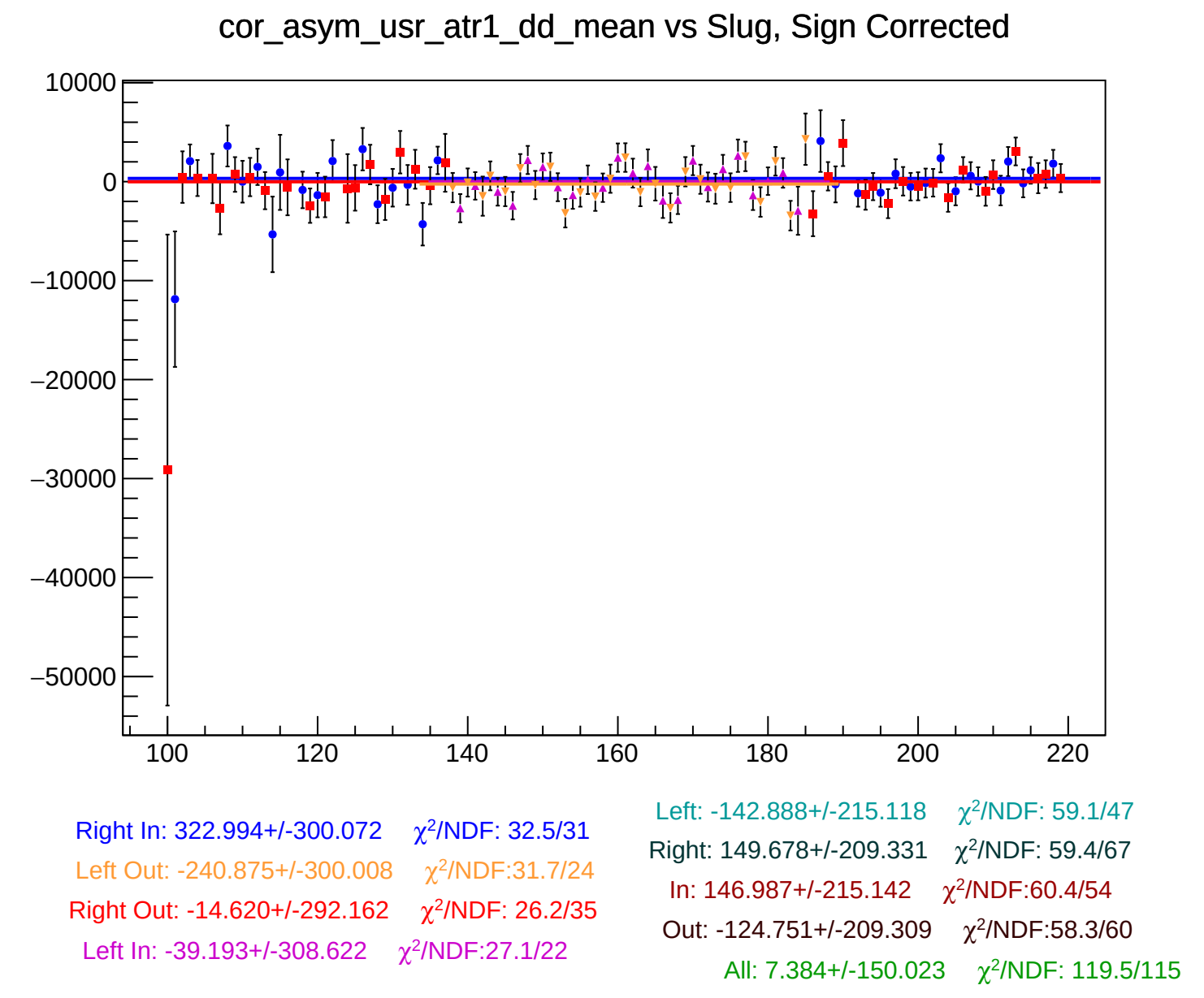
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 894.970+/-0.105 χ^2/NDF: 8320784.6/67

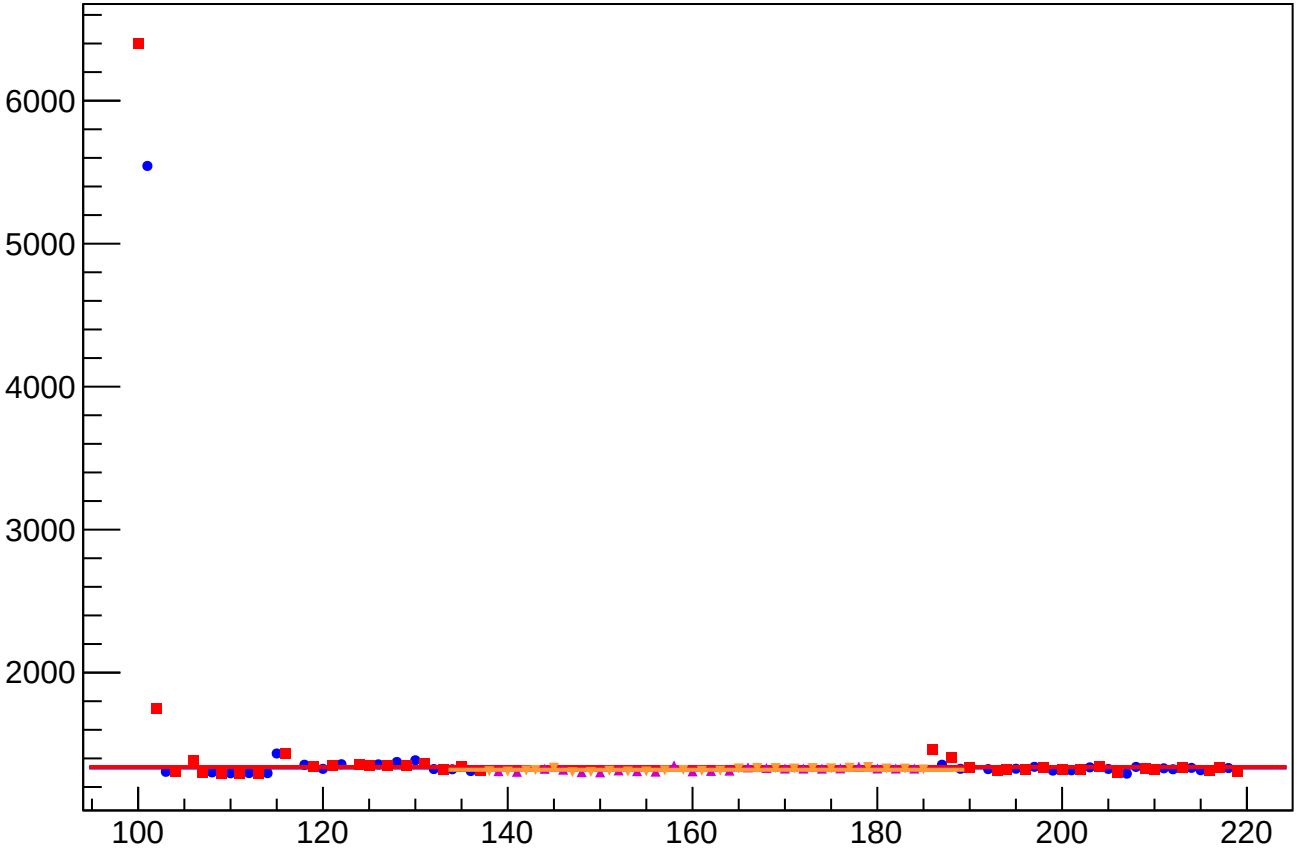
In: 721.212+/-0.086 χ^2/NDF:6470759.9/54

Out: 718.154+/-0.085 χ^2/NDF:8391679.3/60

All: 719.652+/-0.061 χ^2/NDF: 14863077.3/11


cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 322.994+/-300.072 χ²/NDF: 32.5/31
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -14.620+/-292.162 χ²/NDF: 26.2/35
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: 149.678+/-209.331 χ²/NDF: 59.4/67
In: 146.987+/-215.142 χ²/NDF:60.4/54
Out: -124.751+/-209.309 χ²/NDF:58.3/60
All: 7.384+/-150.023 χ²/NDF: 119.5/115

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1336.253+/-0.212 χ^2/NDF: 767093.2/31

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1339.633+/-0.207 χ^2/NDF: 164071.9/35

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

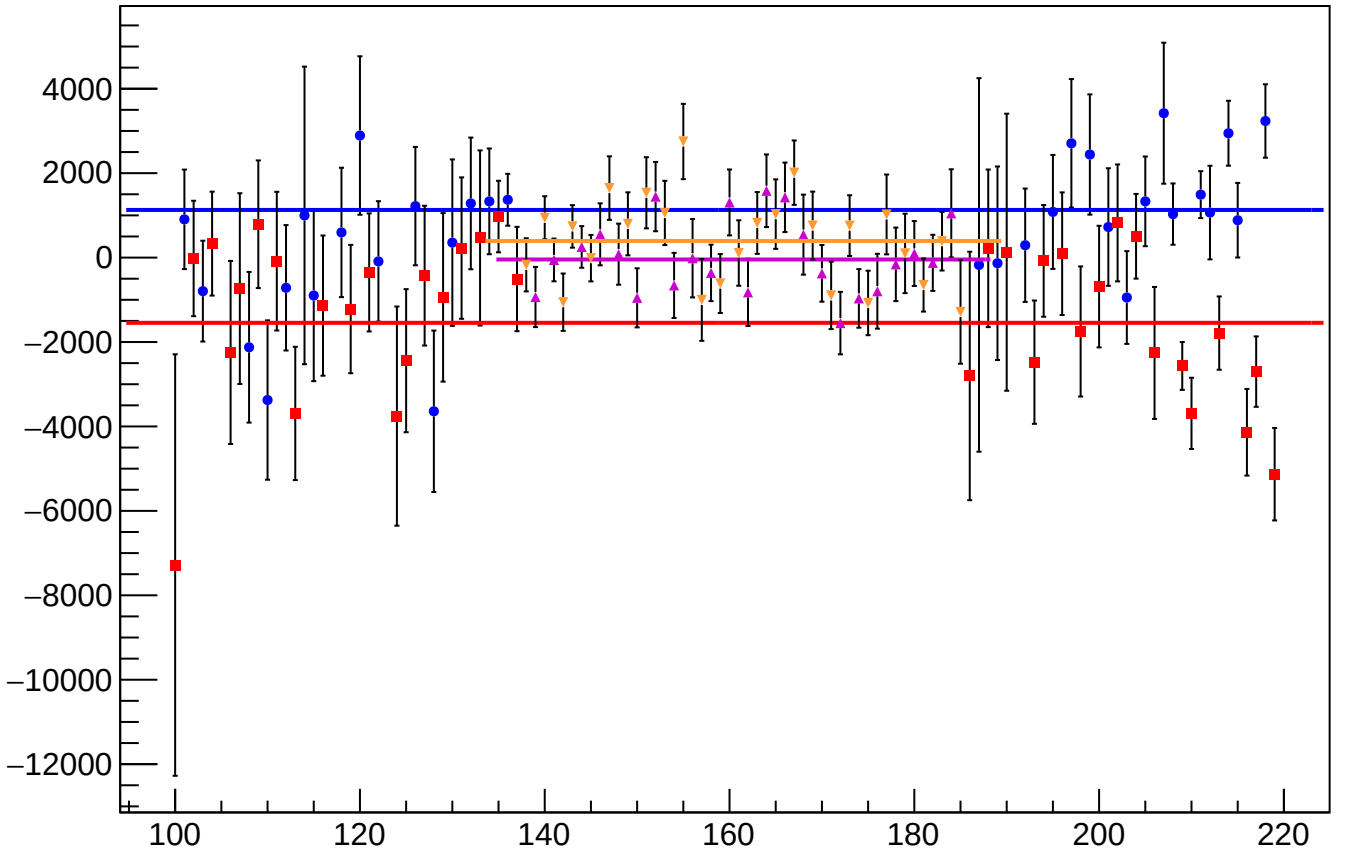
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1337.988+/-0.148 χ^2/NDF: 931295.4/67

In: 1329.221+/-0.152 χ^2/NDF:772906.5/54

Out: 1330.437+/-0.148 χ^2/NDF:170745.2/60

All: 1329.846+/-0.106 χ^2/NDF: 943684.5/115



Right In: 1129.074+/-204.857 χ^2/NDF: 42.7/31

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -1545.011+/-214.112 χ^2/NDF: 64.9/35

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

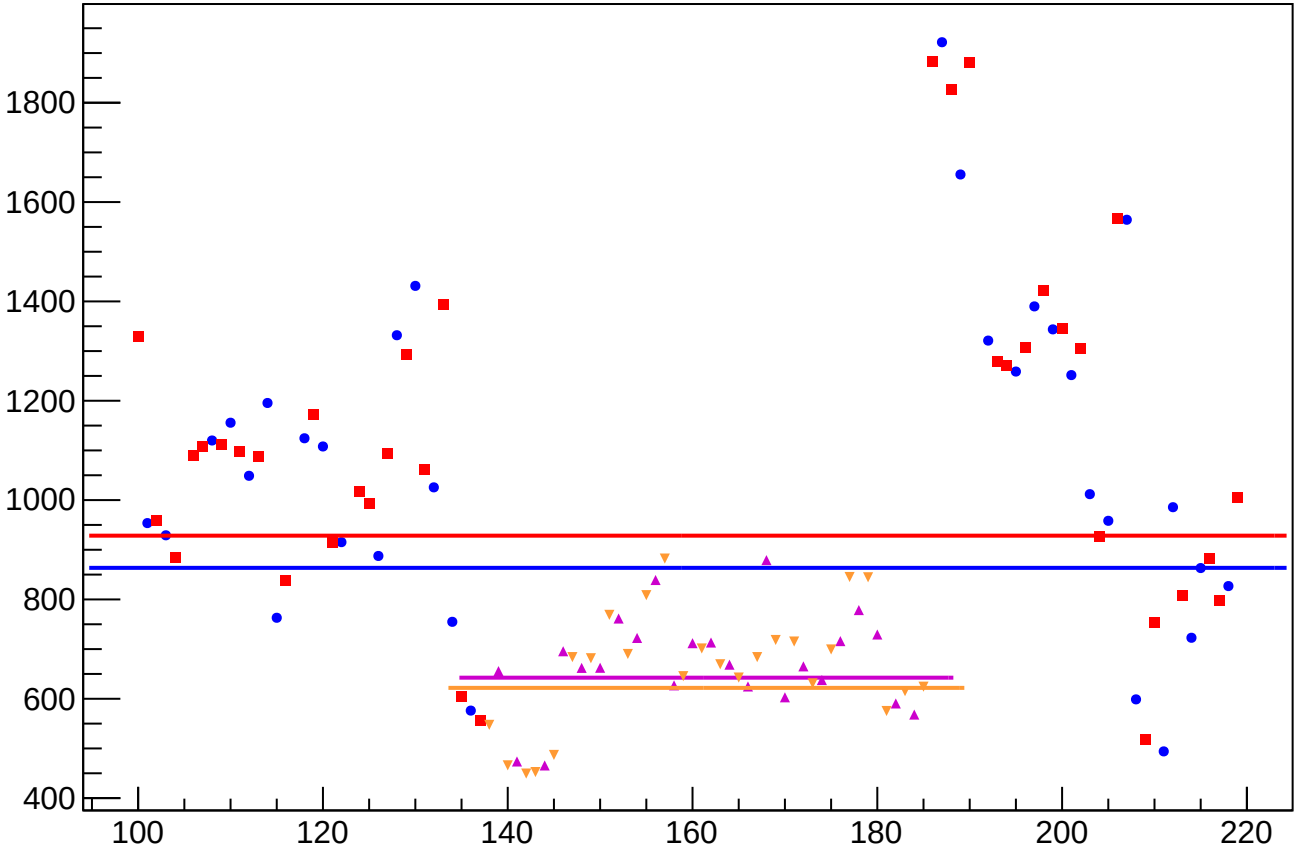
Right: -148.925+/-148.019 χ^2/NDF: 189.0/67

In: 373.192+/-122.240 χ^2/NDF:91.5/54

Out: -212.778+/-119.810 χ^2/NDF:163.1/60

All: 74.326+/-85.565 χ^2/NDF: 266.3/115

asym_usr_atr1_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 863.584+/-0.145 χ^2/NDF: 4043114.9/31

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 928.384+/-0.151 χ^2/NDF: 4166932.8/35

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

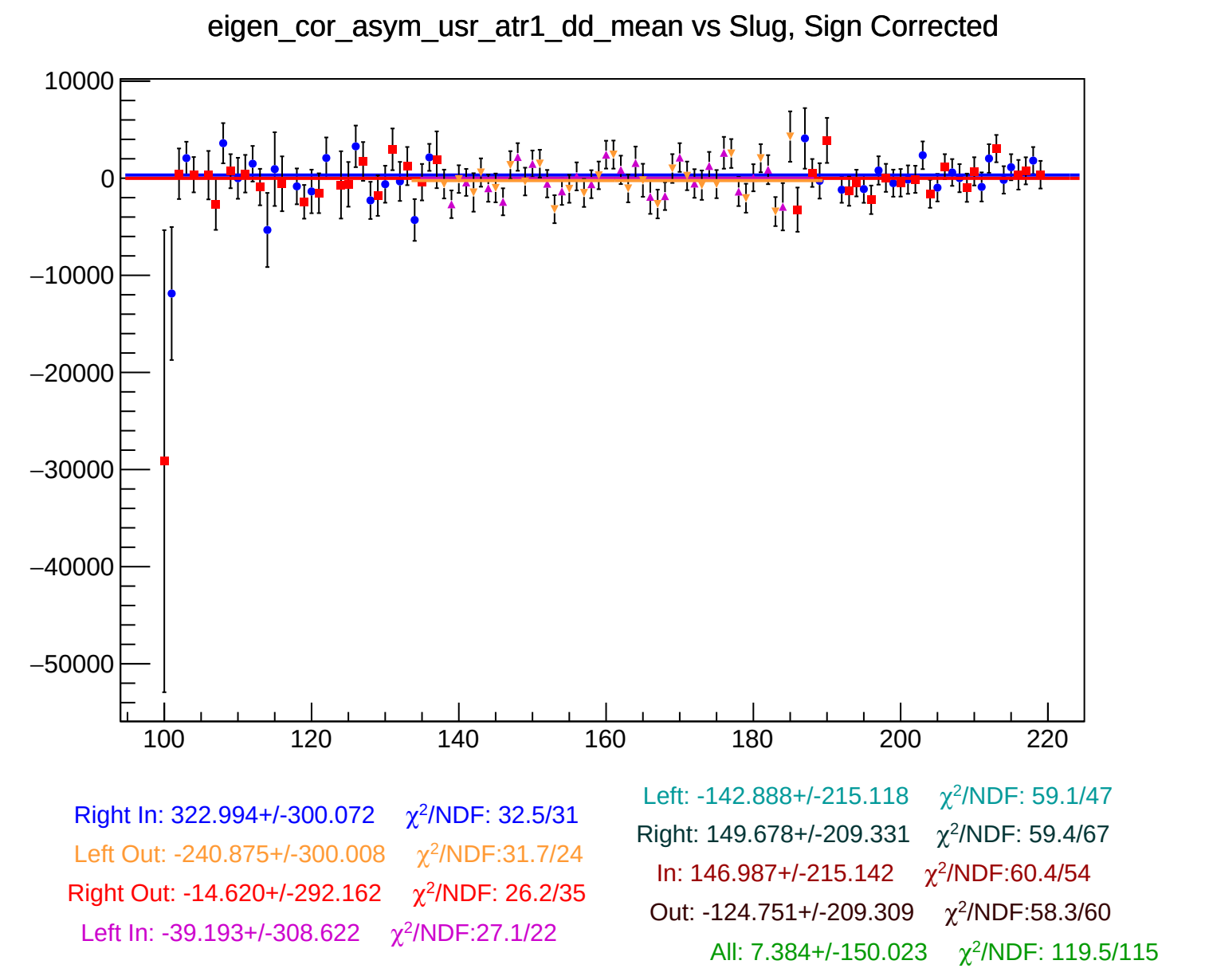
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

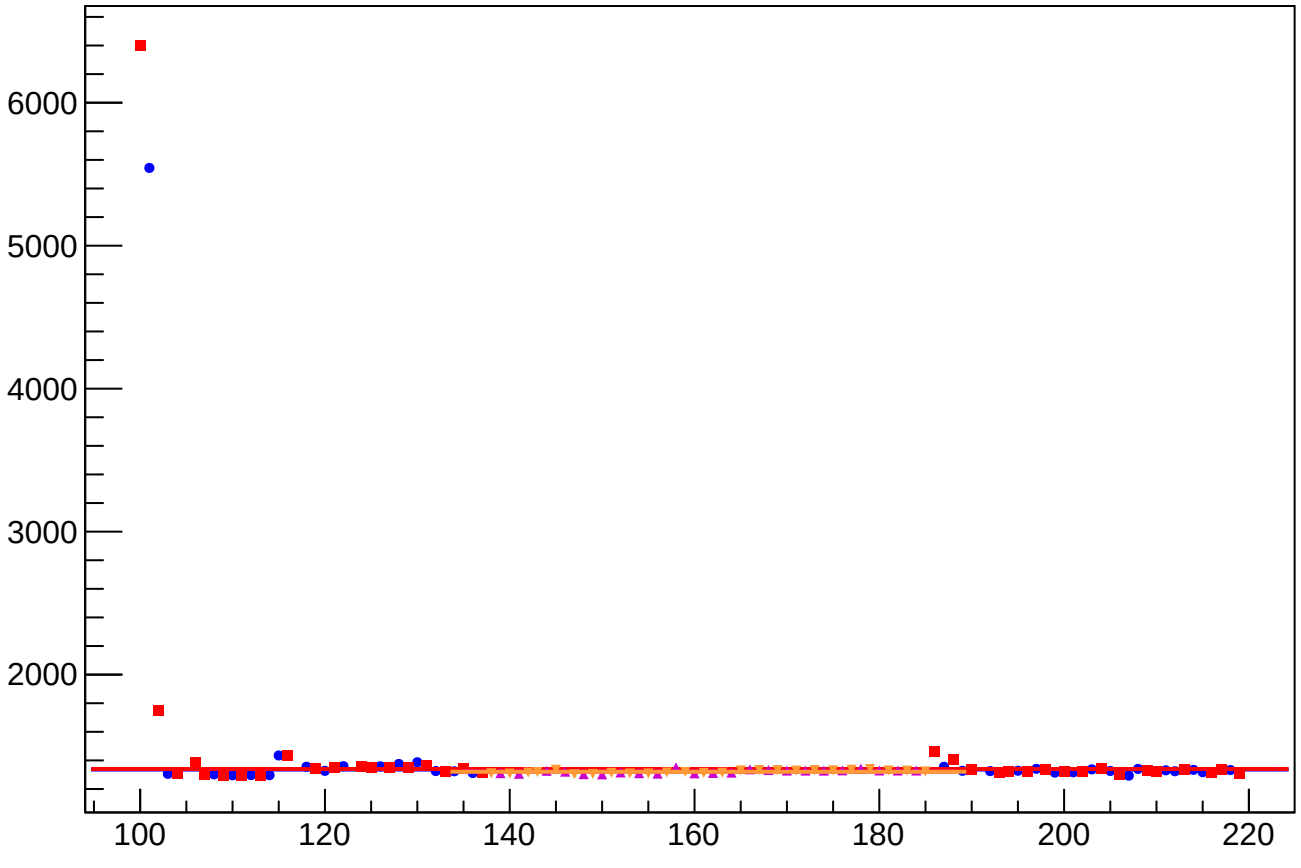
Right: 894.553+/-0.105 χ^2/NDF: 8305689.2/67

In: 721.197+/-0.086 χ^2/NDF:6469946.8/54

Out: 717.900+/-0.085 χ^2/NDF:8364183.6/60

All: 719.515+/-0.061 χ^2/NDF: 14834872.4/11


eigen_cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 322.994+/-300.072 χ²/NDF: 32.5/31
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -14.620+/-292.162 χ²/NDF: 26.2/35
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: 149.678+/-209.331 χ²/NDF: 59.4/67
In: 146.987+/-215.142 χ²/NDF:60.4/54
Out: -124.751+/-209.309 χ²/NDF:58.3/60
All: 7.384+/-150.023 χ²/NDF: 119.5/115



Right In: 1336.253+/-0.212 χ^2/NDF: 767093.2/31

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1339.633+/-0.207 χ^2/NDF: 164071.9/35

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

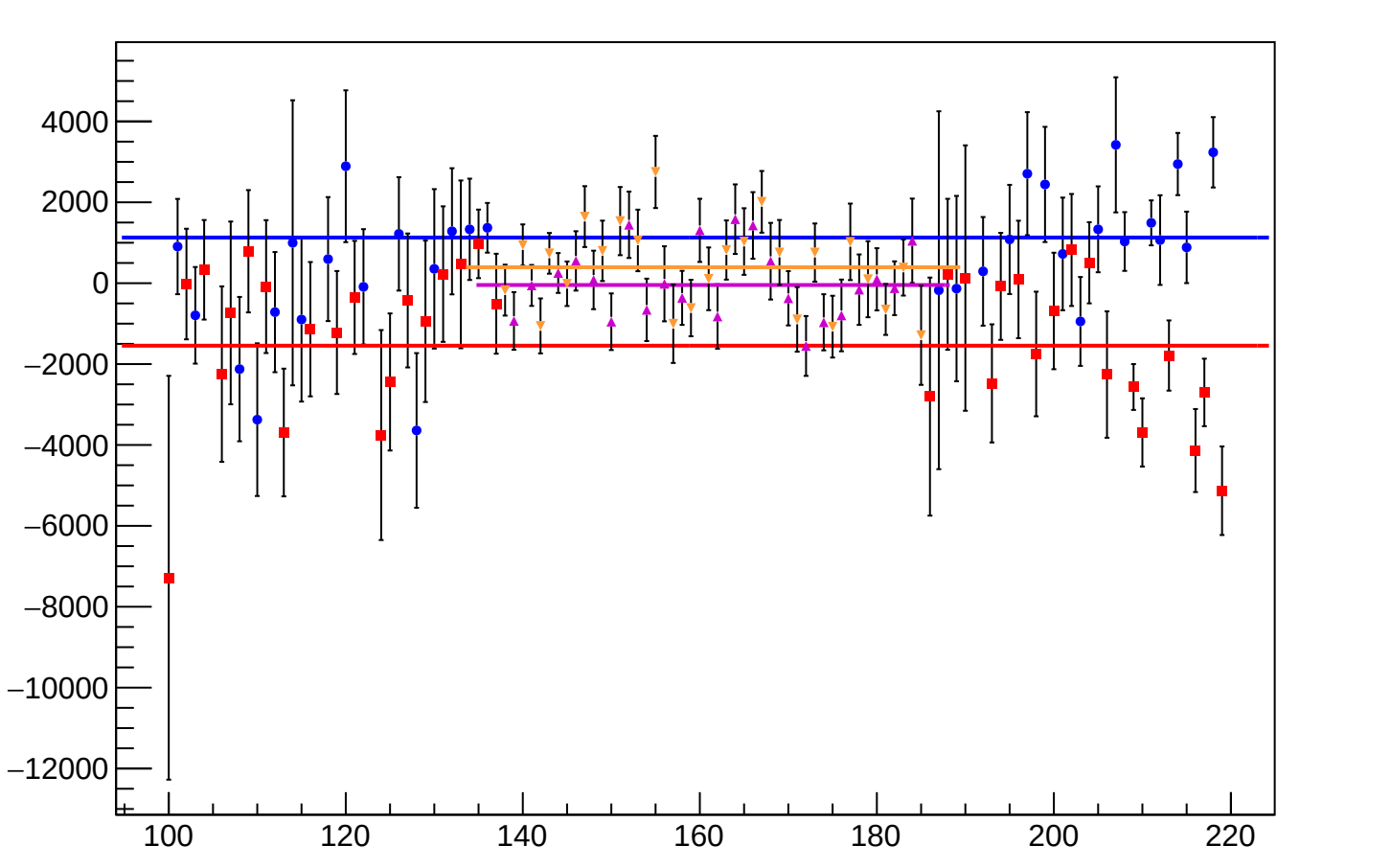
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1337.988+/-0.148 χ^2/NDF: 931295.4/67

In: 1329.221+/-0.152 χ^2/NDF:772906.5/54

Out: 1330.437+/-0.148 χ^2/NDF:170745.2/60

All: 1329.846+/-0.106 χ^2/NDF: 943684.5/115



Right In: 1129.074+/-204.857 χ^2/NDF: 42.7/31

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -1545.011+/-214.112 χ^2/NDF: 64.9/35

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

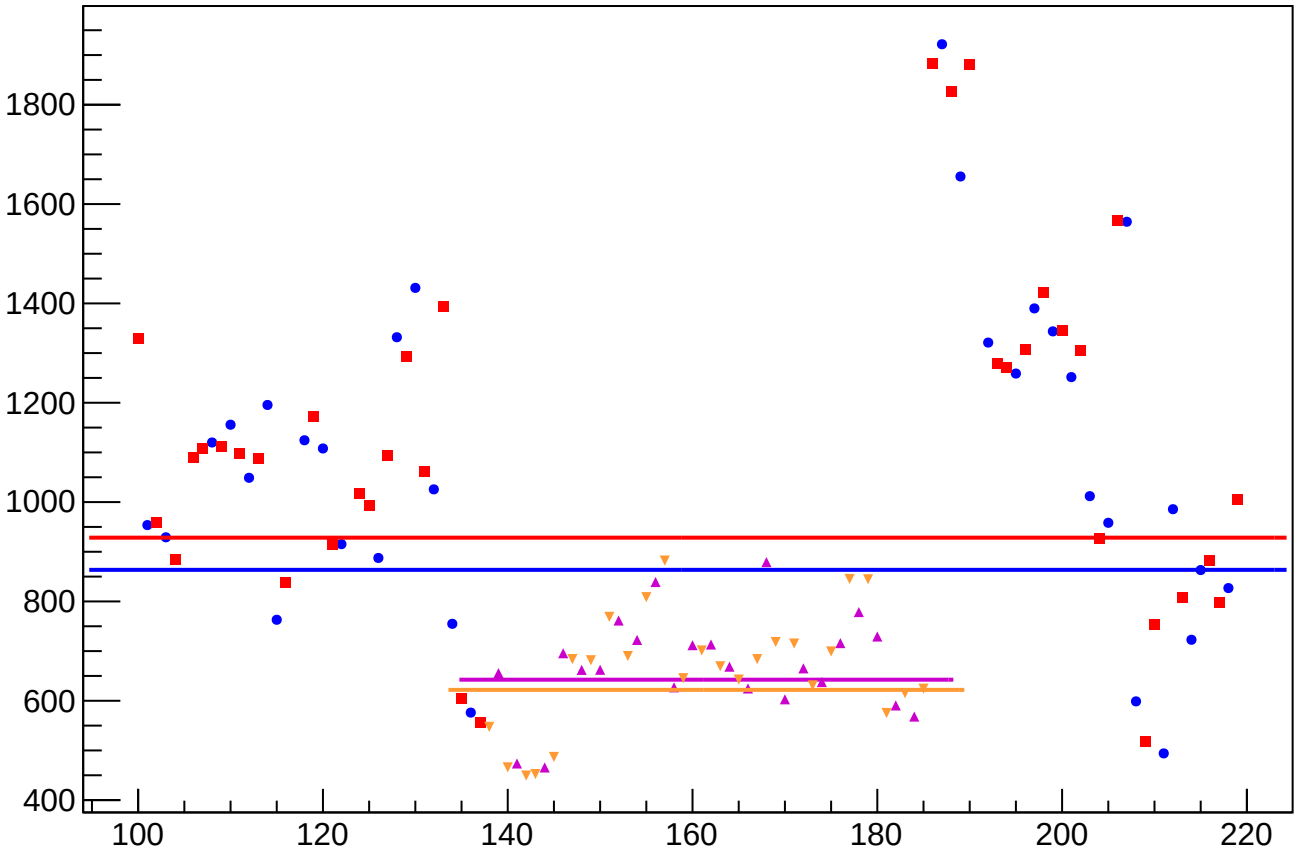
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -148.925+/-148.019 χ^2/NDF: 189.0/67

In: 373.192+/-122.240 χ^2/NDF:91.5/54

Out: -212.778+/-119.810 χ^2/NDF:163.1/60

All: 74.326+/-85.565 χ^2/NDF: 266.3/115



Right In: 863.584+/-0.145 χ^2/NDF: 4043114.9/31

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 928.384+/-0.151 χ^2/NDF: 4166932.8/35

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

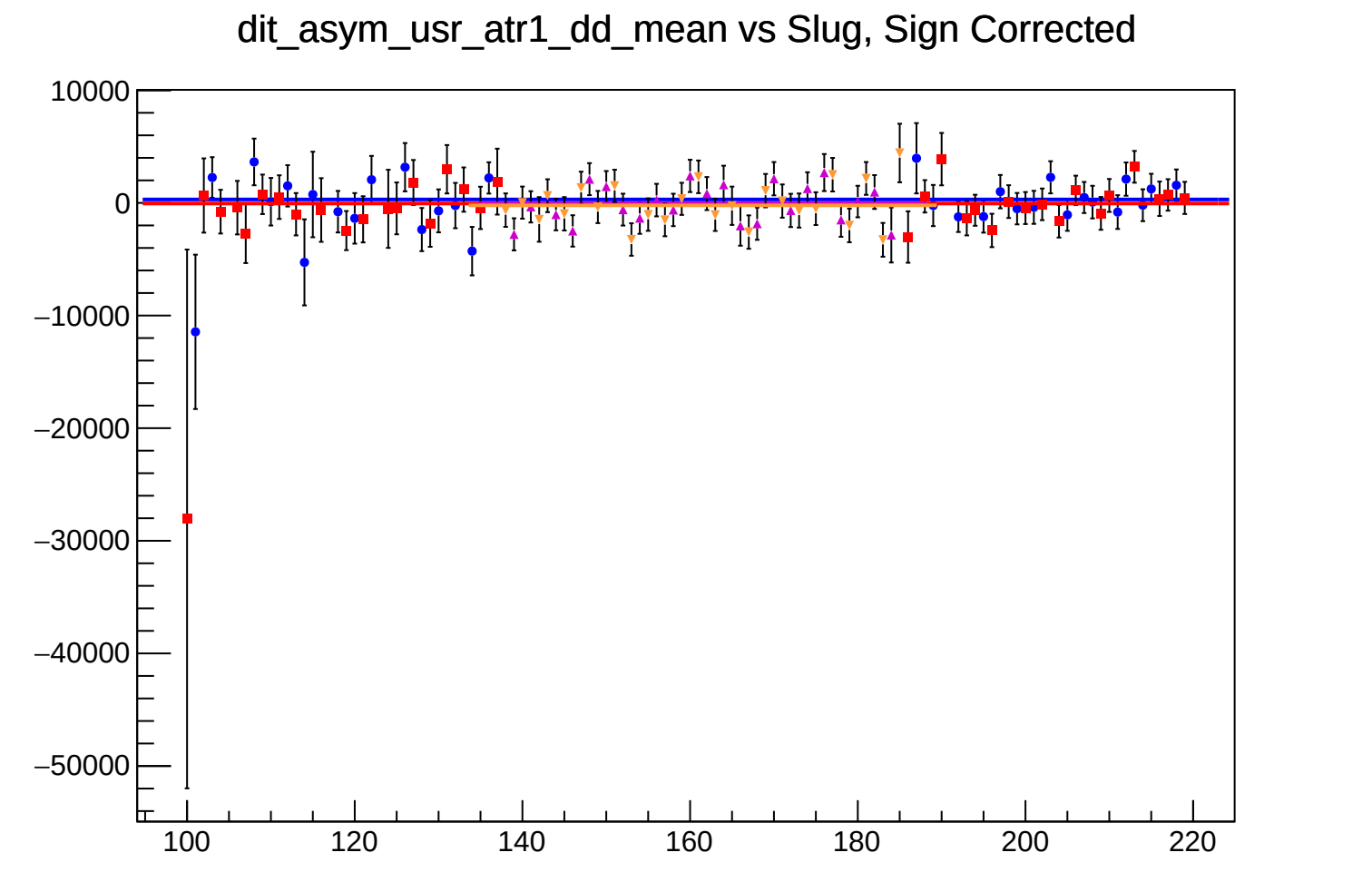
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 894.553+/-0.105 χ^2/NDF: 8305689.2/67

In: 721.197+/-0.086 χ^2/NDF:6469946.8/54

Out: 717.900+/-0.085 χ^2/NDF:8364183.6/60

All: 719.515+/-0.061 χ^2/NDF: 14834872.4/11



Right In: 305.907+/-301.270 χ^2/NDF: 32.5/31

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: -54.270+/-293.833 χ^2/NDF: 27.0/35

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

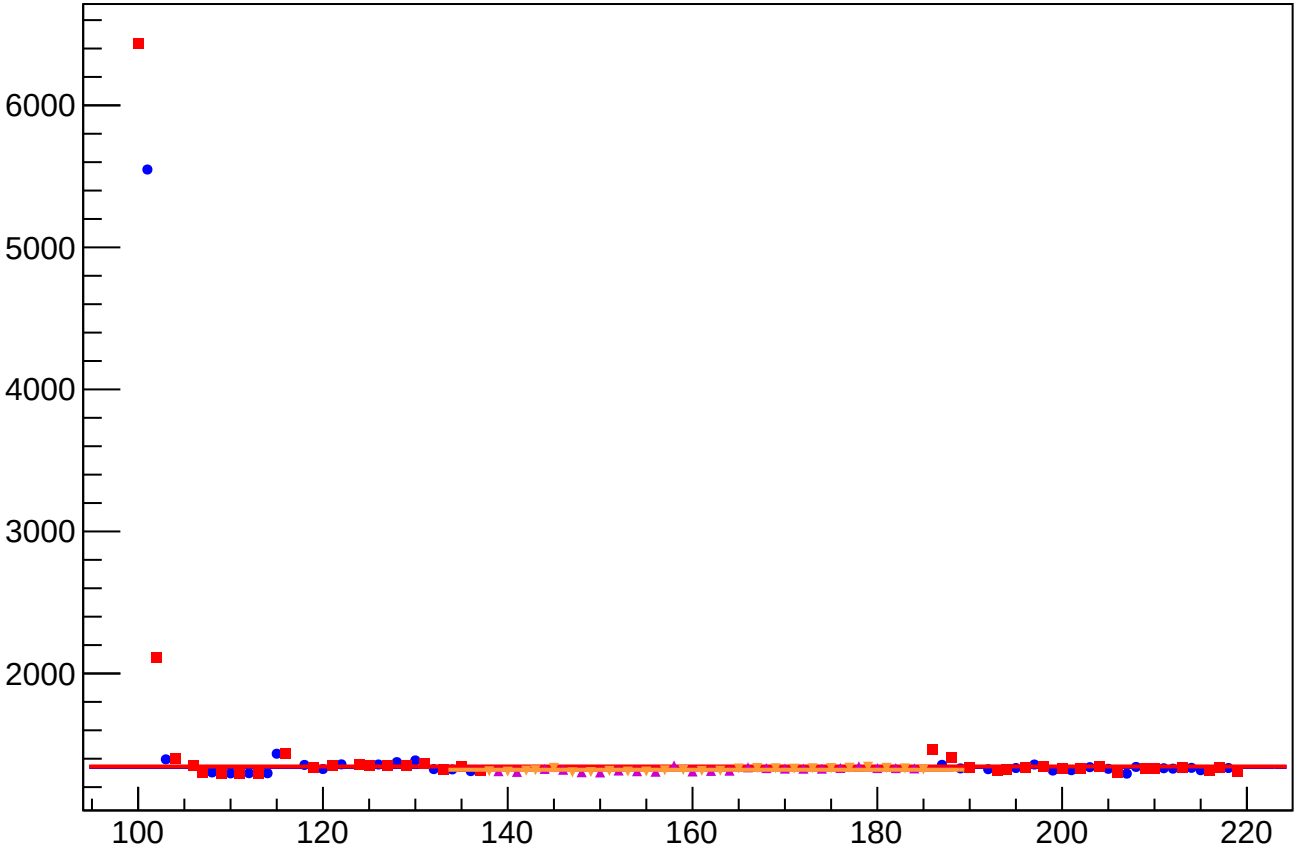
Right: 121.318+/-210.351 χ^2/NDF: 60.2/67

In: 132.334+/-215.706 χ^2/NDF:61.0/54

Out: -132.881+/-210.047 χ^2/NDF:58.4/60

All: -3.798+/-150.487 χ^2/NDF: 120.1/115

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1341.545+/-0.213 χ^2/NDF: 768157.0/31

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1345.301+/-0.208 χ^2/NDF: 222589.4/35

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

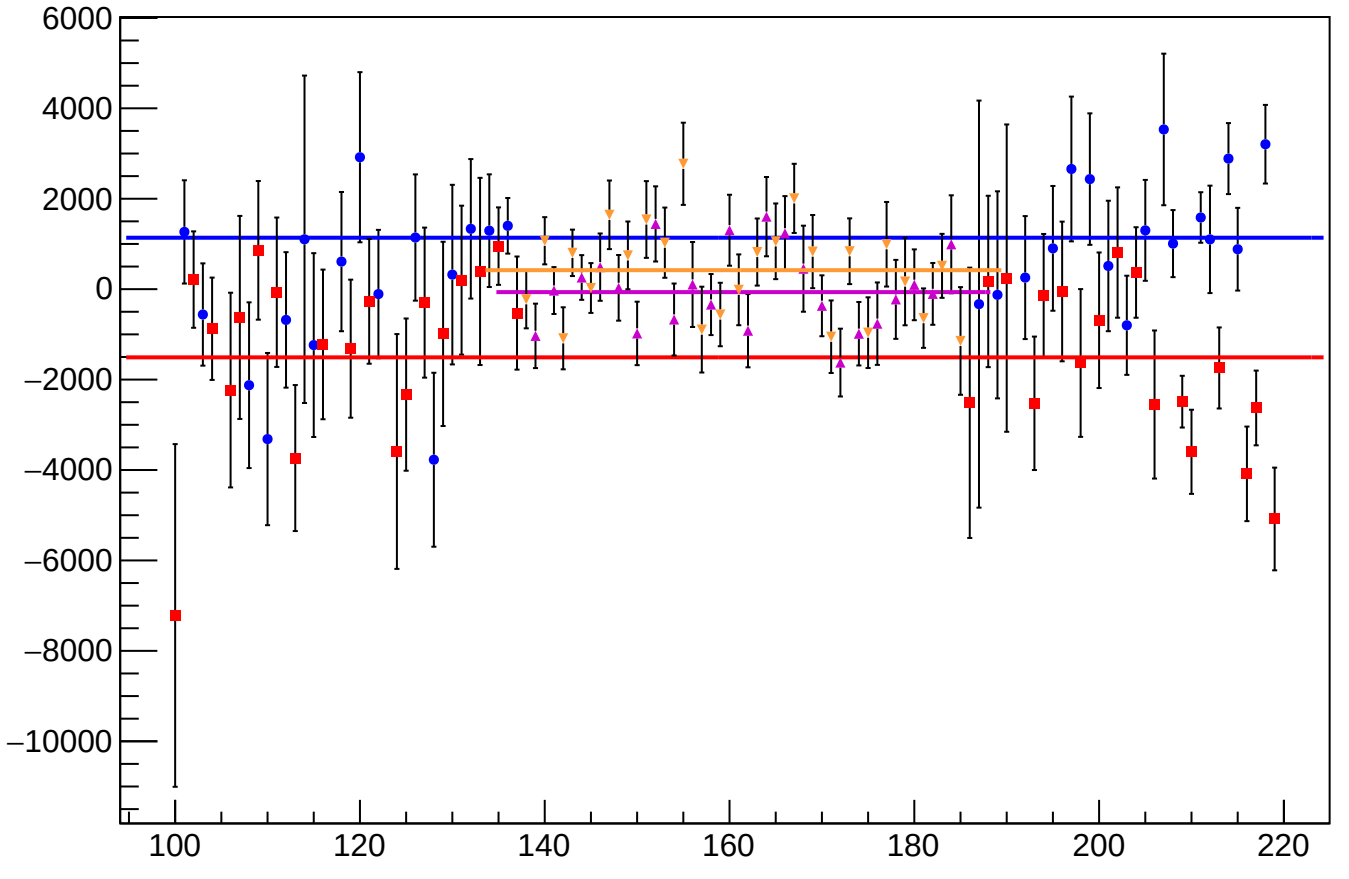
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1343.470+/-0.149 χ^2/NDF: 990905.7/67

In: 1332.671+/-0.153 χ^2/NDF:775573.6/54

Out: 1334.087+/-0.149 χ^2/NDF:231478.0/60

All: 1333.398+/-0.106 χ^2/NDF: 1007095.9/11



Right In: 1137.701+/-207.006 χ^2/NDF: 41.7/31

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -1508.318+/-215.567 χ^2/NDF: 59.8/35

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

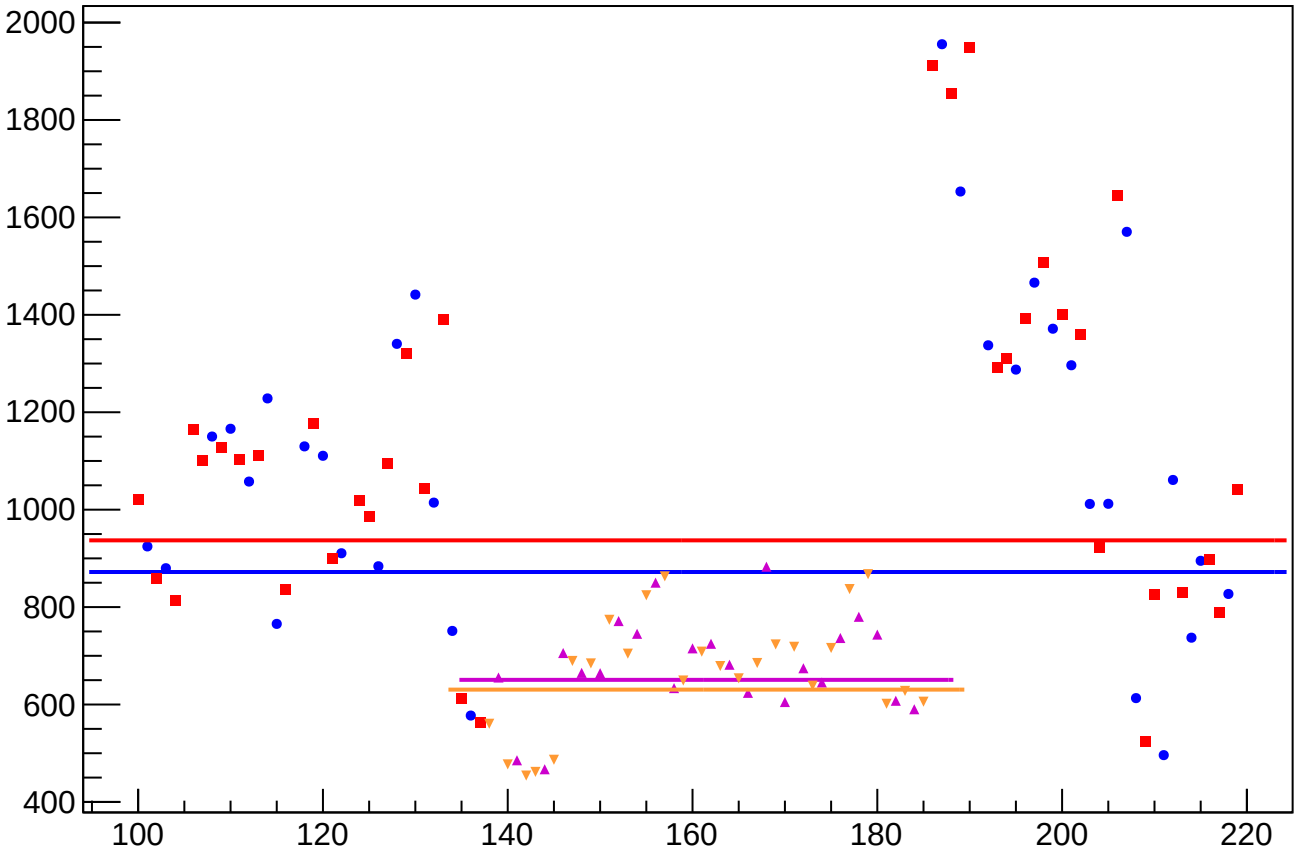
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: -131.726+/-149.310 χ^2/NDF: 179.9/67

In: 364.029+/-123.674 χ^2/NDF:90.5/54

Out: -188.938+/-121.131 χ^2/NDF:156.1/60

All: 81.801+/-86.538 χ^2/NDF: 256.8/115



Right In: 872.047+/-0.146 χ^2/NDF: 4145895.8/31

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 937.009+/-0.152 χ^2/NDF: 4331499.7/35

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

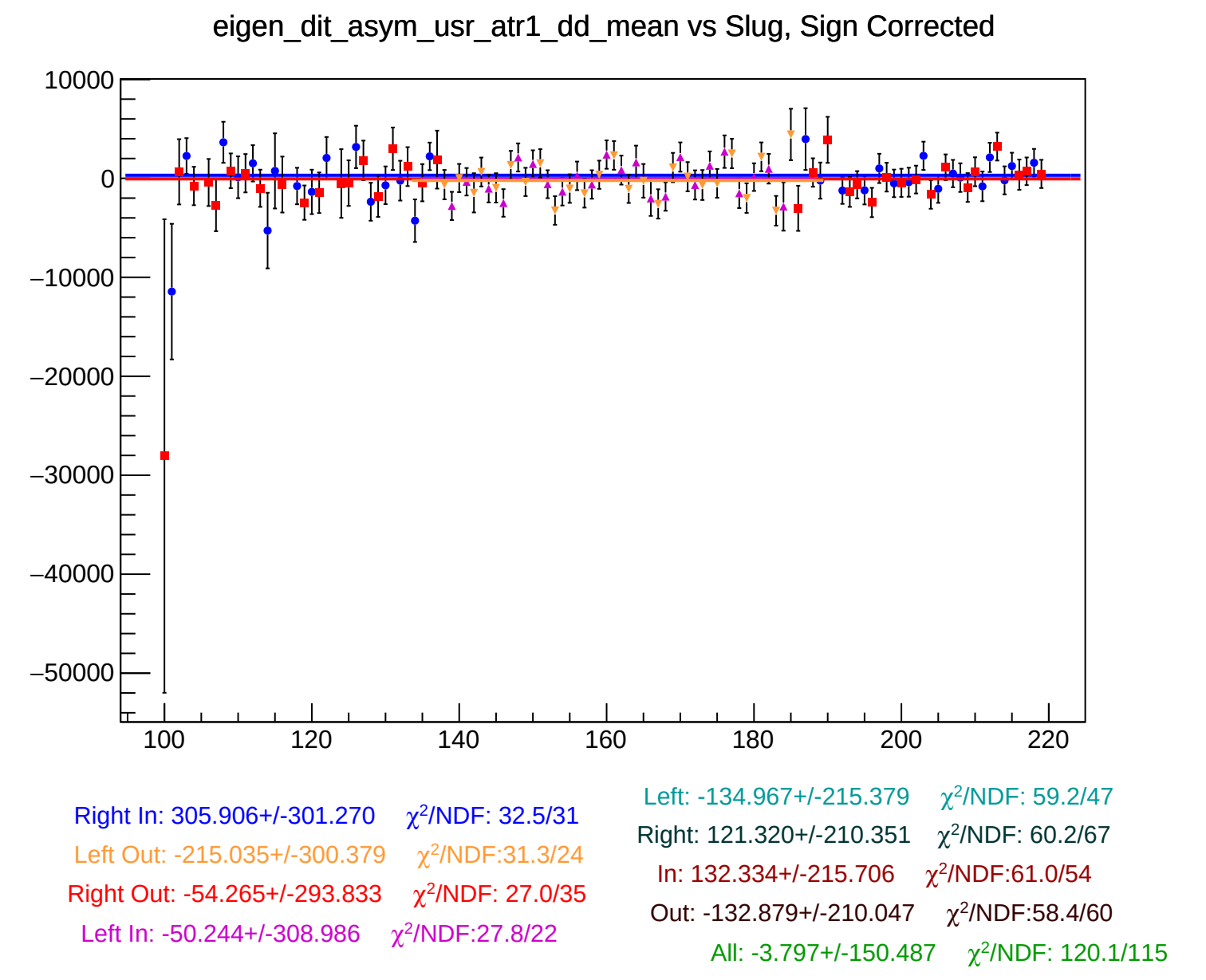
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

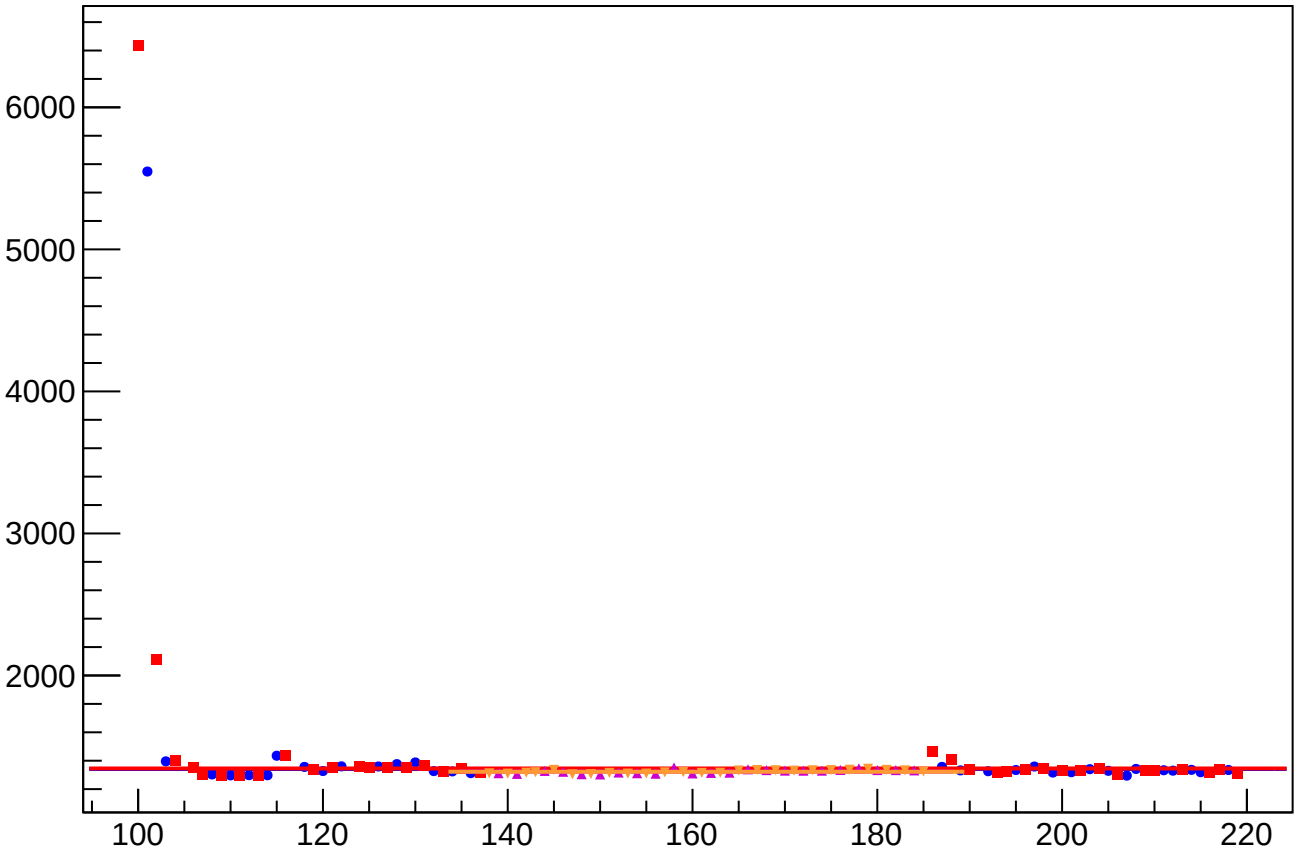
Right: 903.212+/-0.106 χ^2/NDF: 8571889.6/67

In: 729.666+/-0.087 χ^2/NDF:6539305.8/54

Out: 727.343+/-0.086 χ^2/NDF:8425167.6/60

All: 728.481+/-0.061 χ^2/NDF: 14964833.5/11


eigen_dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 305.906+/-301.270 χ²/NDF: 32.5/31
Left Out: -215.035+/-300.379 χ²/NDF:31.3/24
Right Out: -54.265+/-293.833 χ²/NDF: 27.0/35
Left In: -50.244+/-308.986 χ²/NDF:27.8/22
Left: -134.967+/-215.379 χ²/NDF: 59.2/47
Right: 121.320+/-210.351 χ²/NDF: 60.2/67
In: 132.334+/-215.706 χ²/NDF:61.0/54
Out: -132.879+/-210.047 χ²/NDF:58.4/60
All: -3.797+/-150.487 χ²/NDF: 120.1/115



Right In: 1341.545+/-0.213 χ^2/NDF: 768157.0/31

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1345.301+/-0.208 χ^2/NDF: 222589.3/35

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

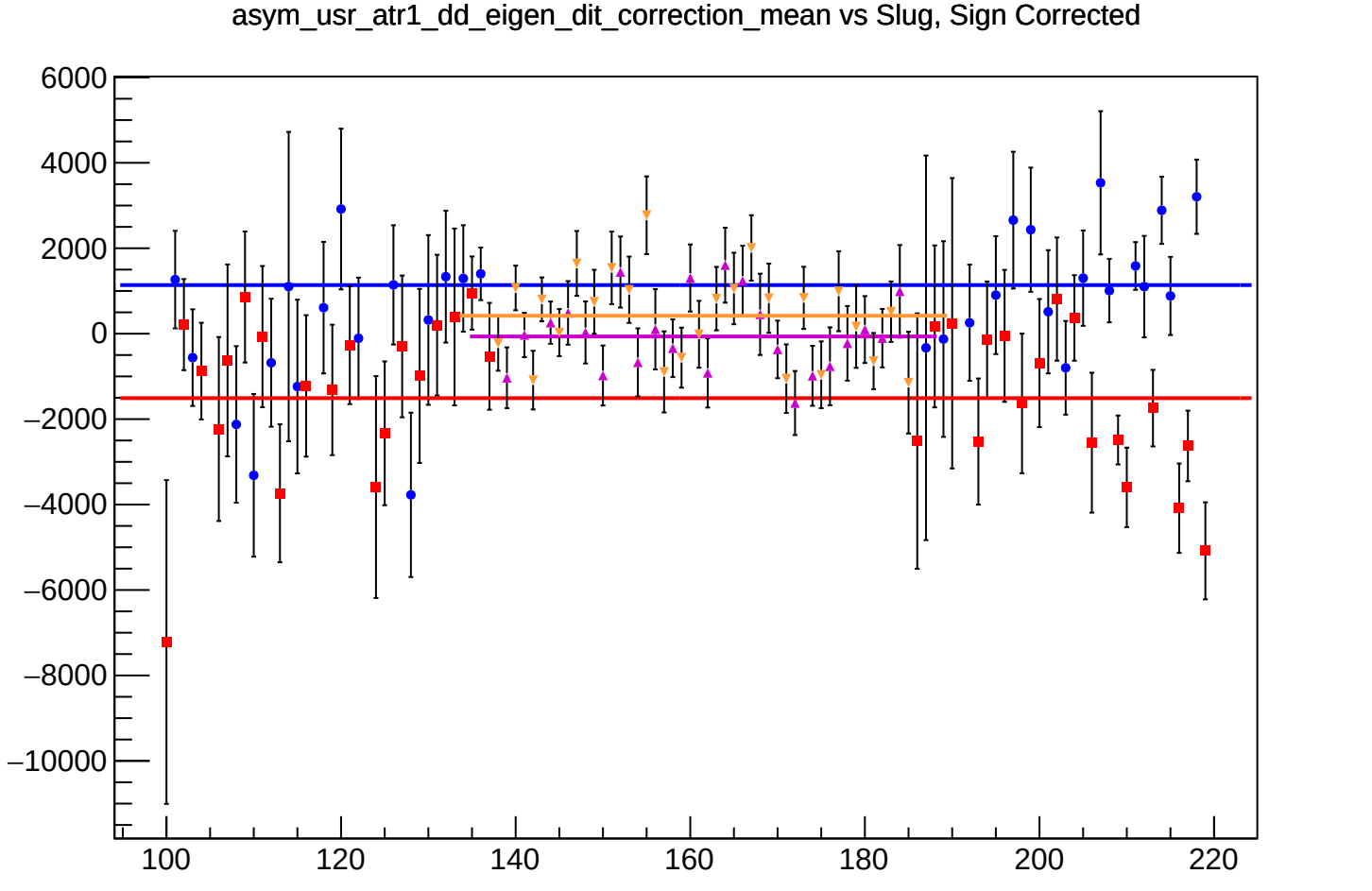
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1343.470+/-0.149 χ^2/NDF: 990905.5/67

In: 1332.671+/-0.153 χ^2/NDF:775573.5/54

Out: 1334.087+/-0.149 χ^2/NDF:231478.0/60

All: 1333.398+/-0.106 χ^2/NDF: 1007095.7/11



Right In: 1137.699+/-207.006 χ^2/NDF: 41.7/31

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -1508.317+/-215.566 χ^2/NDF: 59.8/35

Left In: -65.405+/-154.225 χ^2/NDF:27.0/22

Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

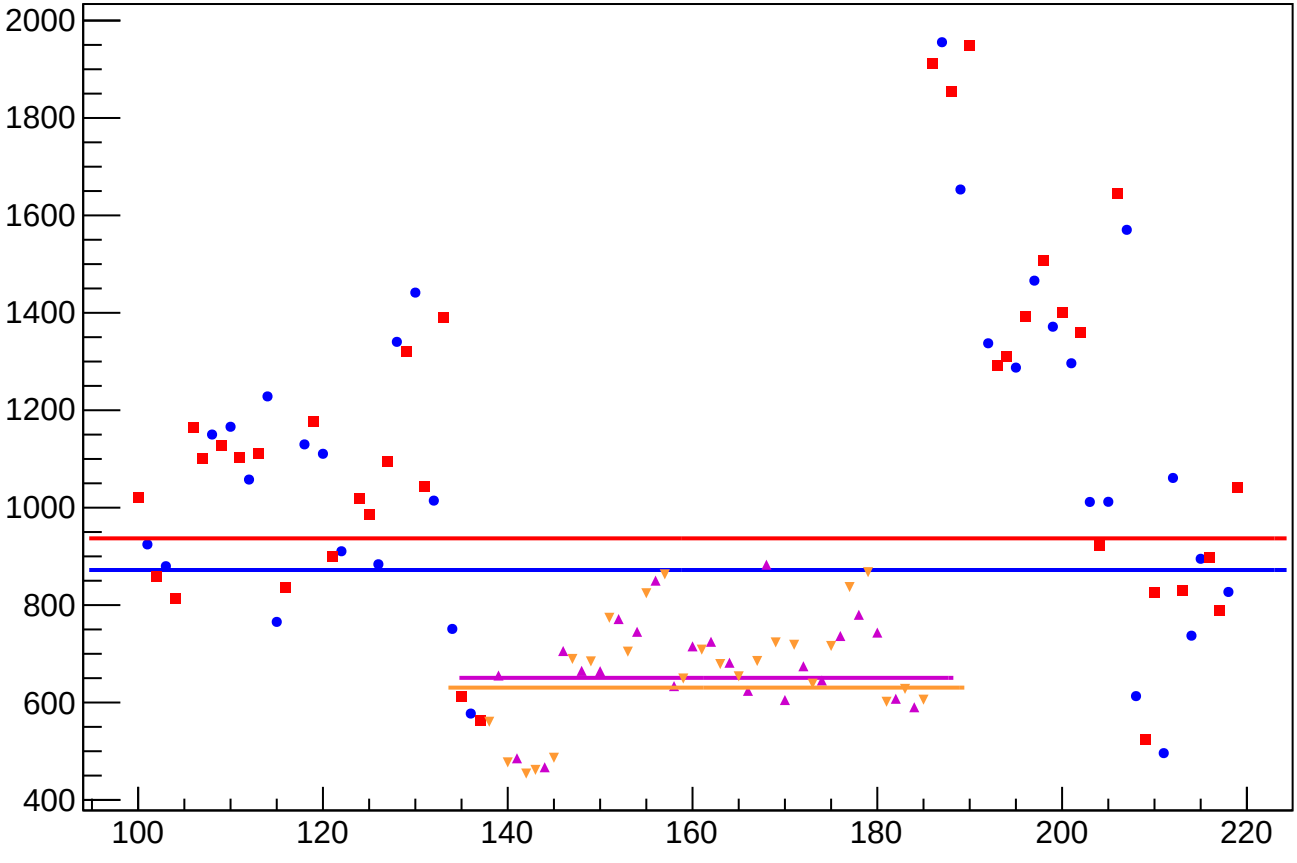
Right: -131.729+/-149.310 χ^2/NDF: 179.9/67

In: 364.030+/-123.674 χ^2/NDF:90.5/54

Out: -188.941+/-121.131 χ^2/NDF:156.1/60

All: 81.799+/-86.538 χ^2/NDF: 256.8/115

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 872.046+/-0.146 χ^2/NDF: 4145890.0/31

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 937.007+/-0.152 χ^2/NDF: 4331524.7/35

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

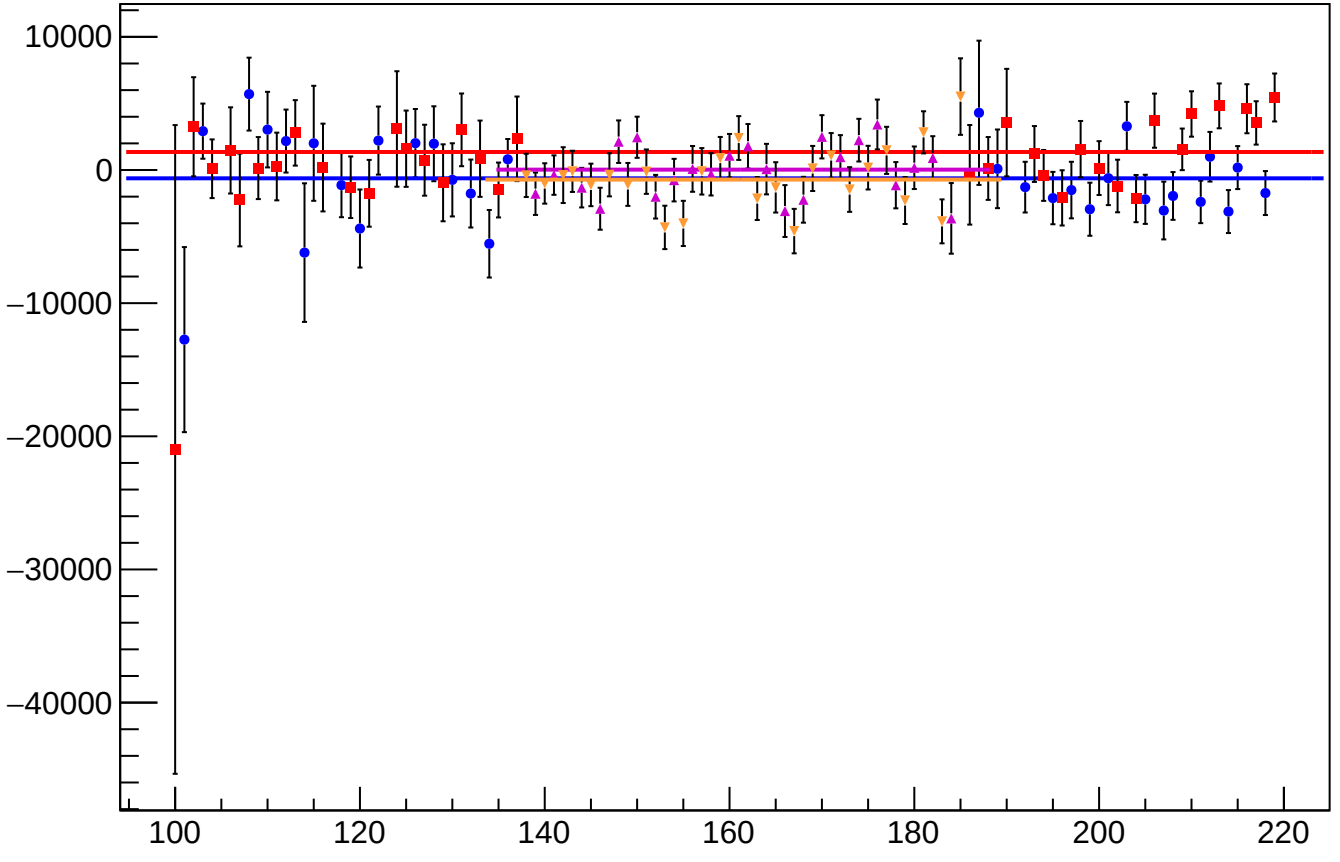
Right: 903.211+/-0.106 χ^2/NDF: 8571904.2/67

In: 729.667+/-0.087 χ^2/NDF:6539286.1/54

Out: 727.344+/-0.086 χ^2/NDF:8425166.3/60

All: 728.481+/-0.061 χ^2/NDF: 14964812.7/11

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: -623.982+/-386.265 χ^2/NDF: 40.8/31

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: 1354.211+/-382.251 χ^2/NDF: 38.3/35

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

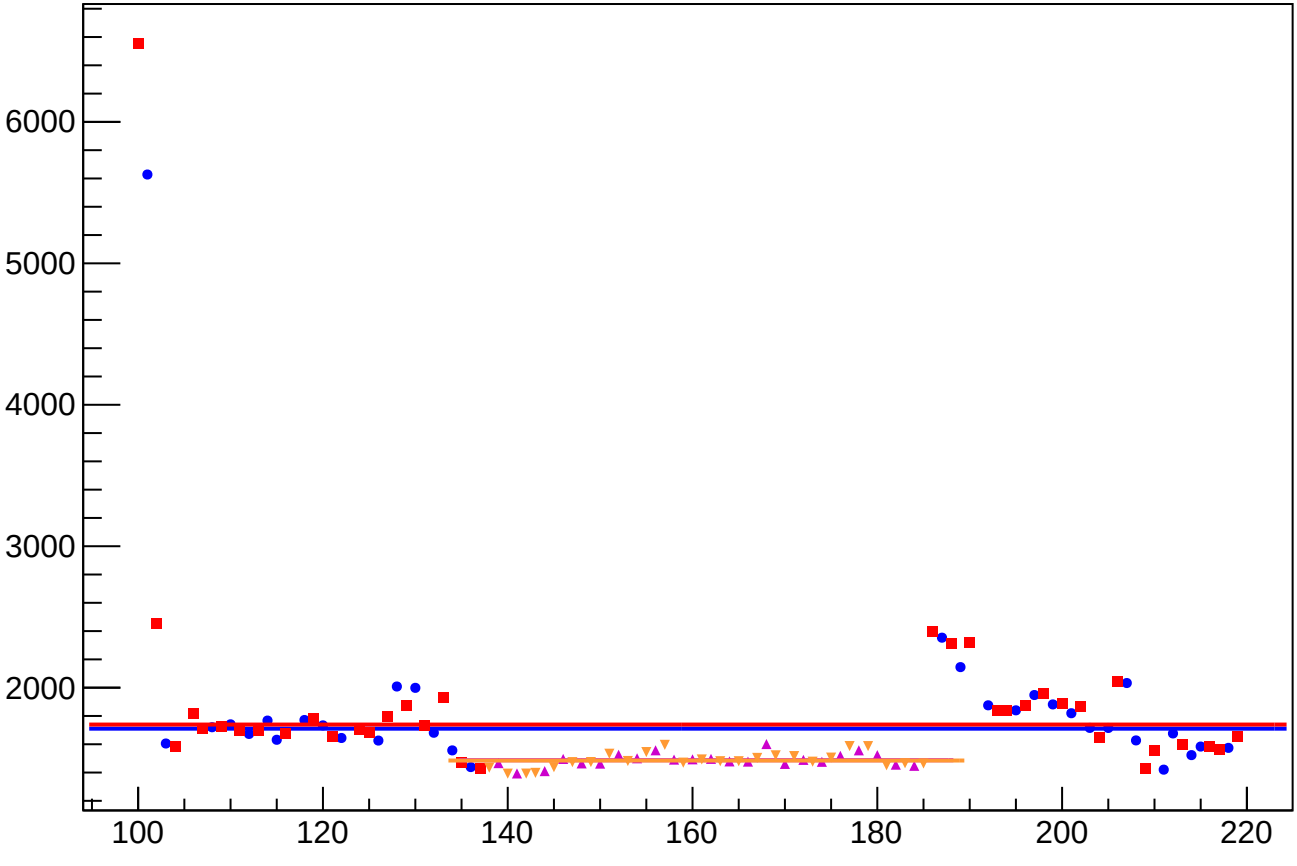
Right: 375.448+/-271.700 χ^2/NDF: 92.4/67

In: -263.832+/-258.306 χ^2/NDF:70.3/54

Out: 189.832+/-253.031 χ^2/NDF:92.6/60

All: -32.320+/-180.756 χ^2/NDF: 164.5/115

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1710.211+/-0.273 χ^2/NDF: 1071489.3/31

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1739.250+/-0.270 χ^2/NDF: 725126.9/35

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

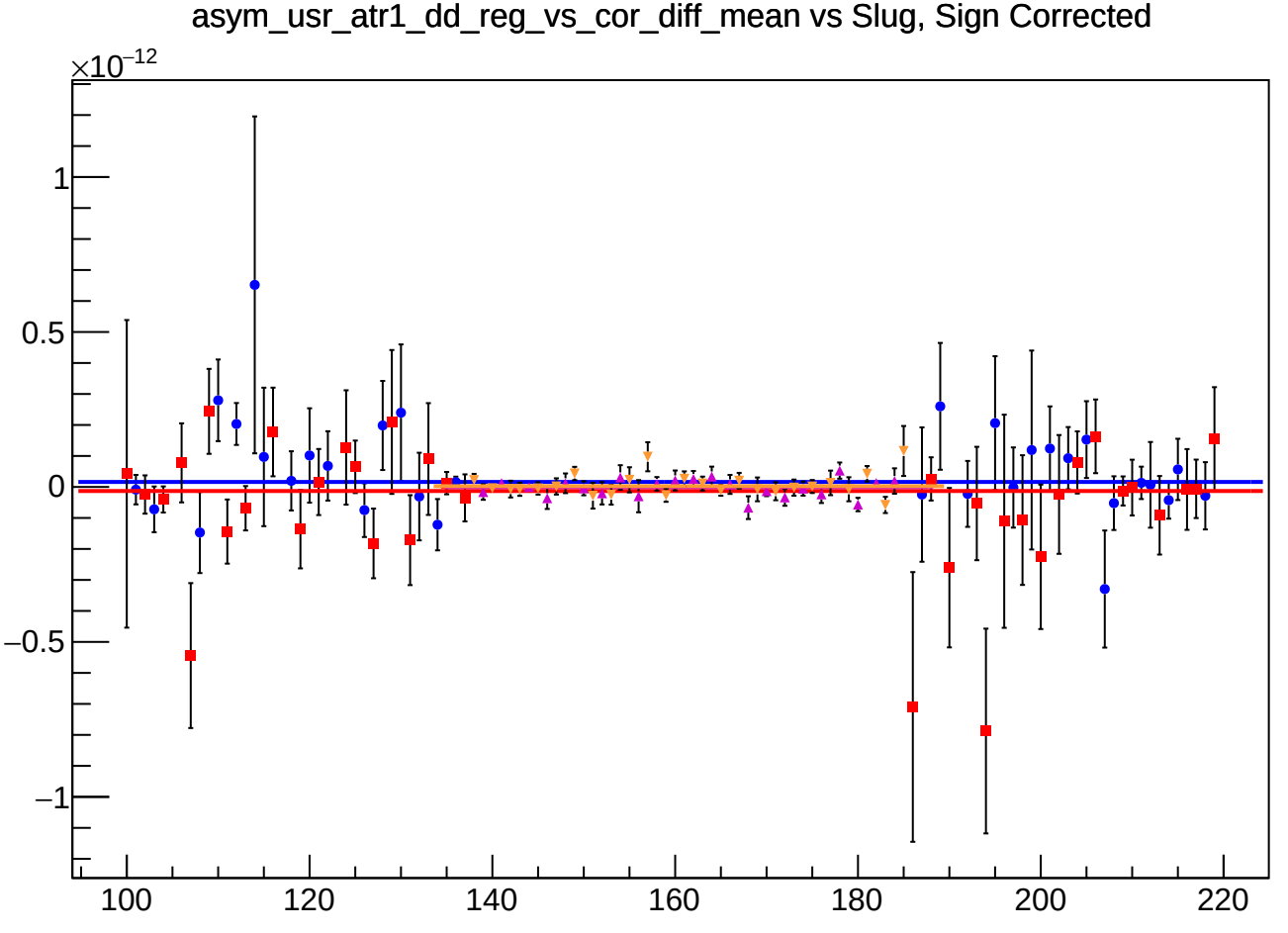
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1724.882+/-0.192 χ^2/NDF: 1802326.9/67

In: 1586.881+/-0.183 χ^2/NDF:1475135.8/54

Out: 1596.384+/-0.179 χ^2/NDF:1273299.1/60

All: 1591.731+/-0.128 χ^2/NDF: 2749816.3/11



Right In: 0.000+/-0.000 χ^2/NDF: 33.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/35

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

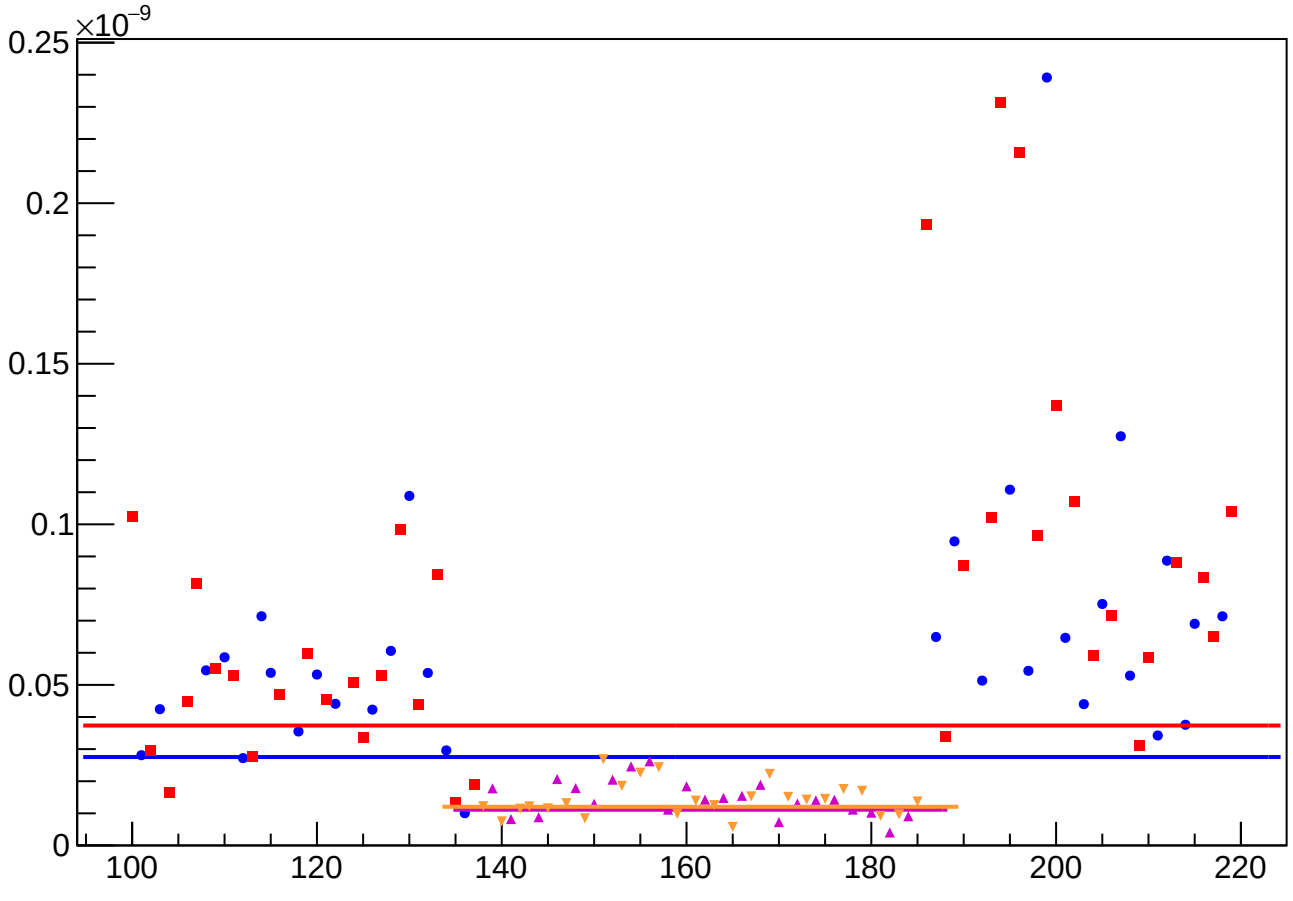
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 72.2/67

In: 0.000+/-0.000 χ^2/NDF:60.2/54

Out: 0.000+/-0.000 χ^2/NDF:62.6/60

All: 0.000+/-0.000 χ^2/NDF: 122.8/115



Right In: 0.000+/-0.000 χ^2/NDF: 6929208.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6255143.6/35

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

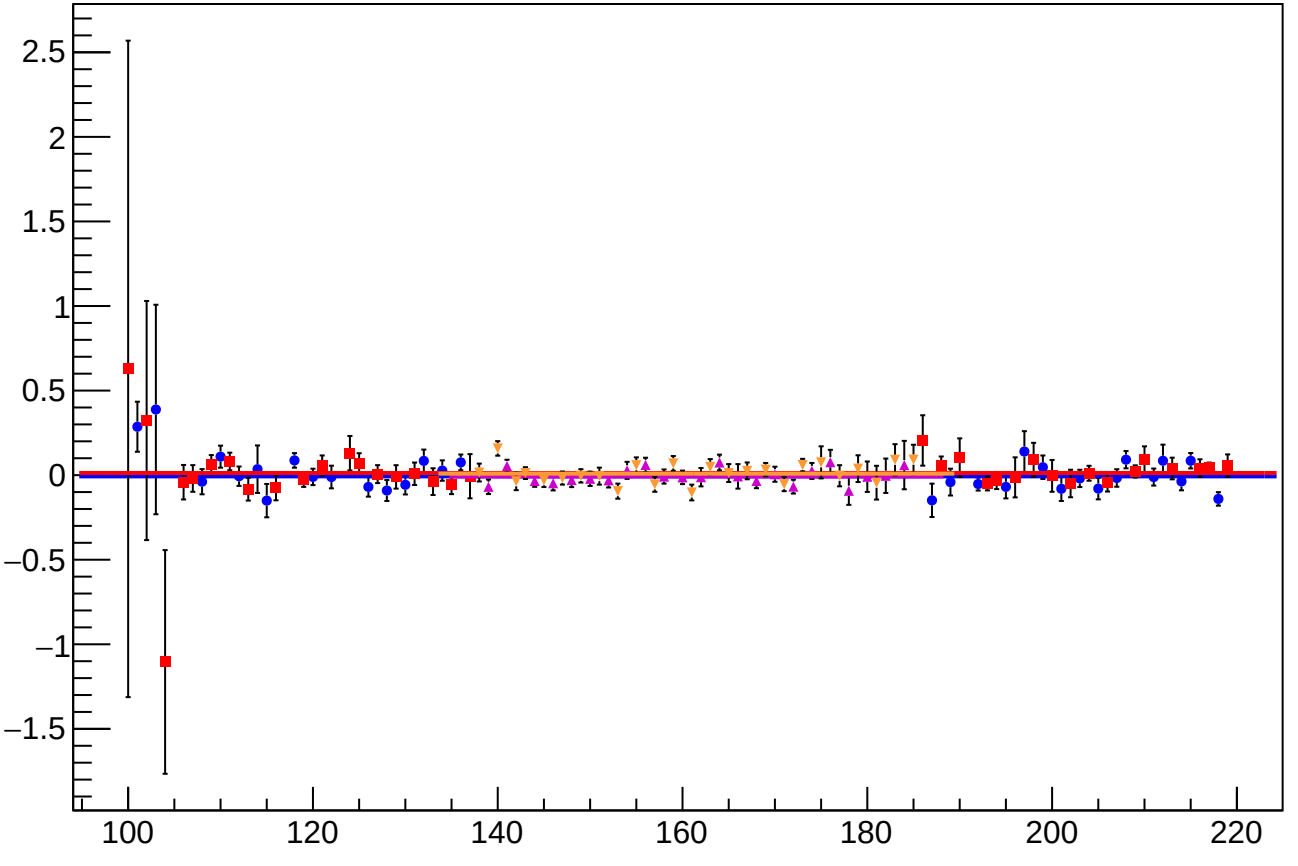
Right: 0.000+/-0.000 χ^2/NDF: 13663164.7/67

In: 0.000+/-0.000 χ^2/NDF:12105803.2/54

Out: 0.000+/-0.000 χ^2/NDF:12538426.1/60

All: 0.000+/-0.000 χ^2/NDF: 24702249.3/115

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.011 χ^2/NDF: 53.1/31

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.013+/-0.010 χ^2/NDF: 26.7/35

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

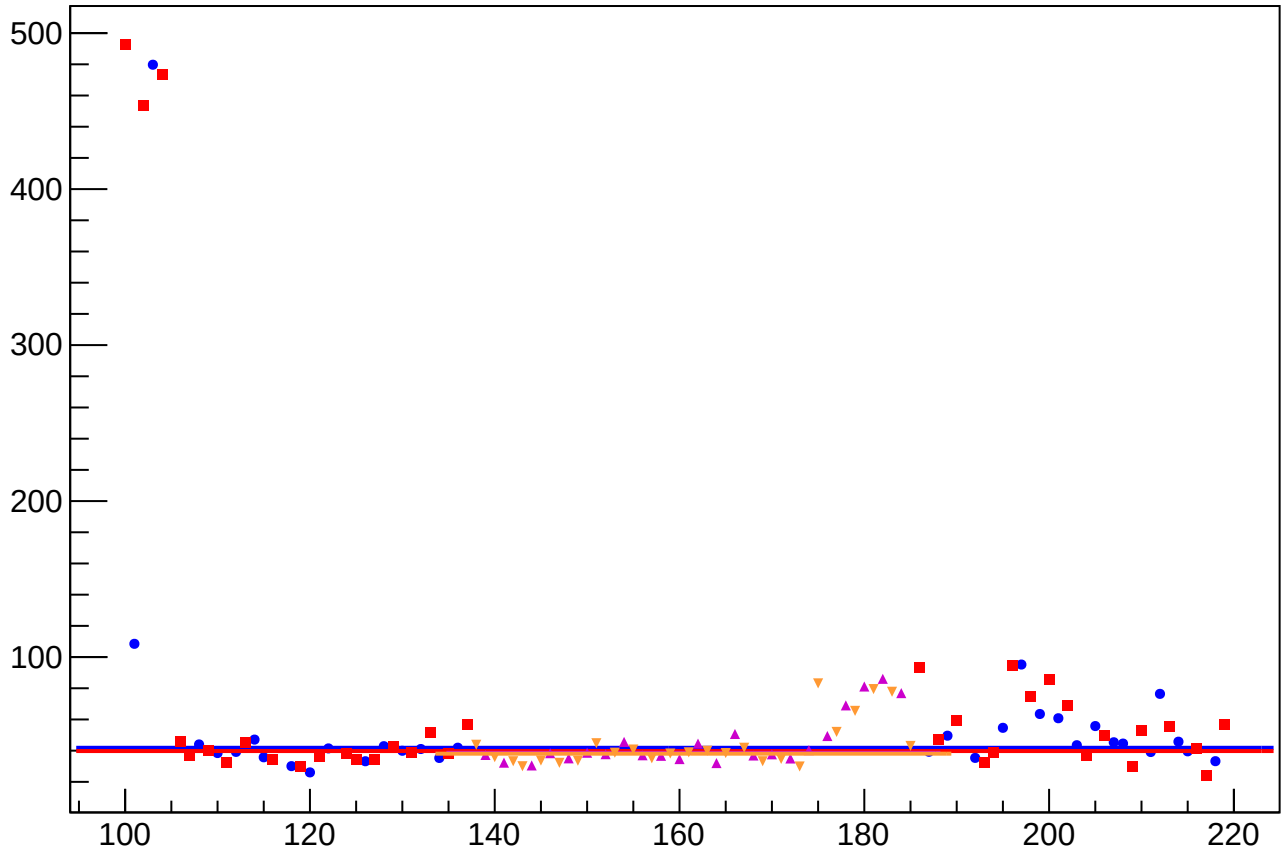
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.003+/-0.007 χ^2/NDF: 81.6/67

In: -0.008+/-0.007 χ^2/NDF:71.9/54

Out: 0.011+/-0.007 χ^2/NDF:65.4/60

All: 0.002+/-0.005 χ^2/NDF: 140.6/115



Right In: 41.842+/-0.007 χ^2/NDF: 3222426.9/31

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 39.748+/-0.007 χ^2/NDF: 4850745.9/35

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

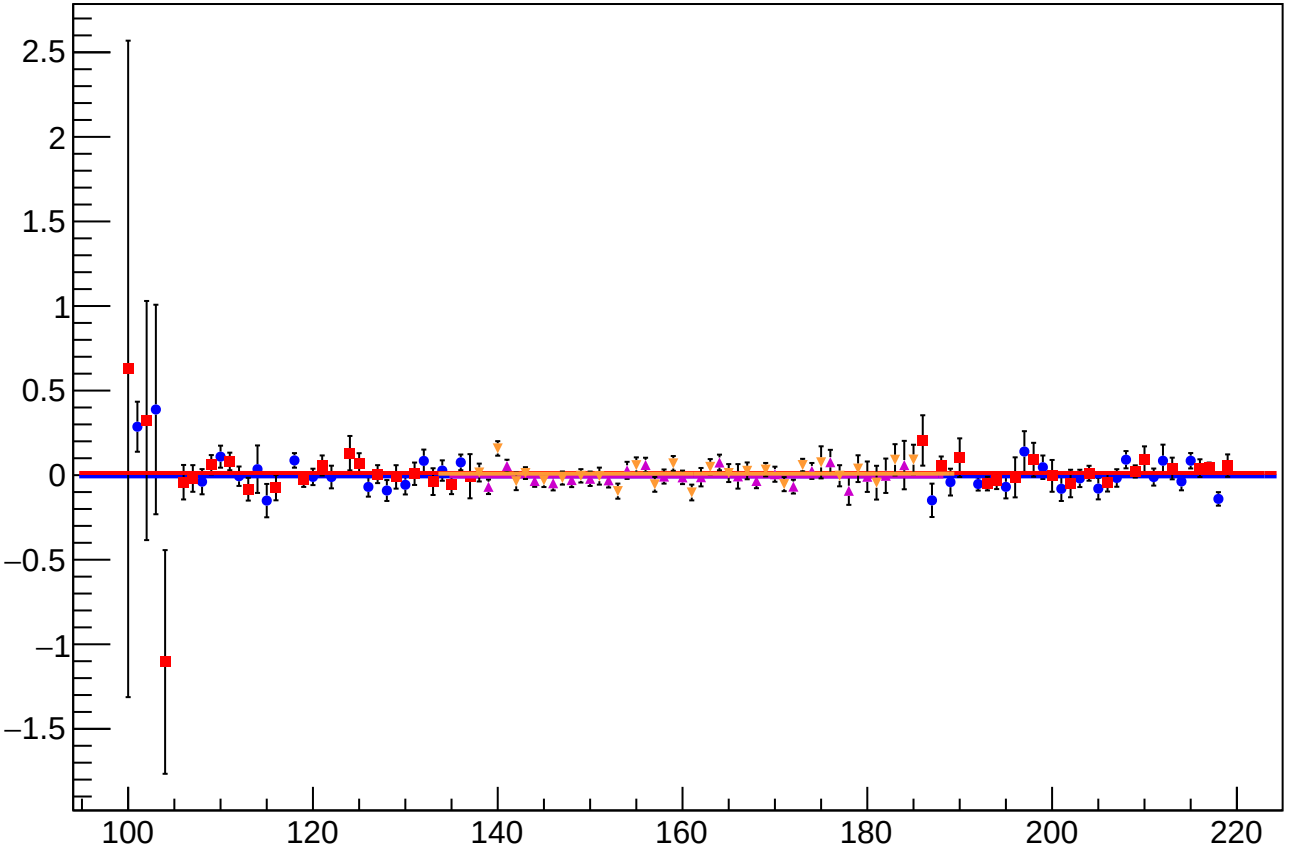
Right: 40.764+/-0.005 χ^2/NDF: 8113398.9/67

In: 40.130+/-0.005 χ^2/NDF:5048101.7/54

Out: 38.848+/-0.005 χ^2/NDF:6846514.4/60

All: 39.468+/-0.004 χ^2/NDF: 11927022.4/115

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.011 χ^2/NDF: 53.1/31

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.013+/-0.010 χ^2/NDF: 26.7/35

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

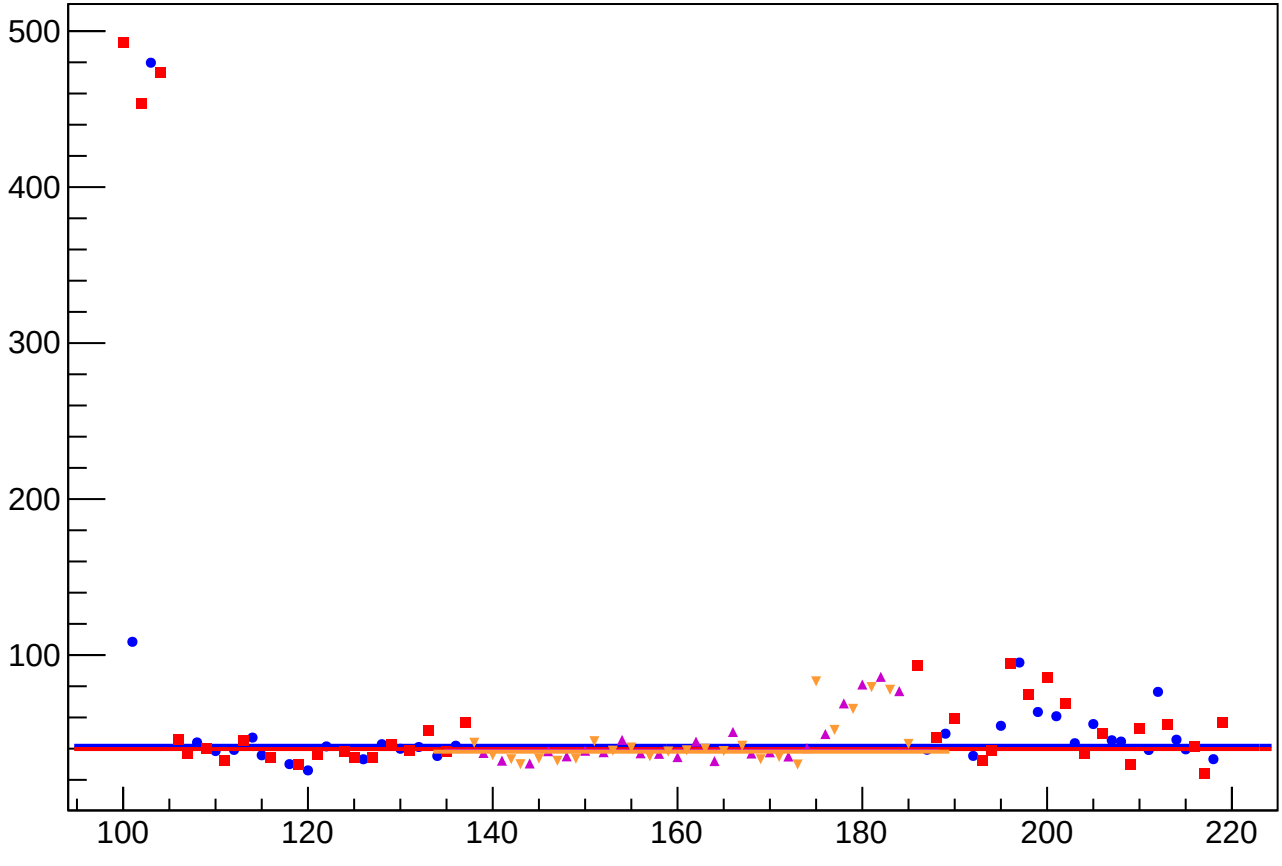
Right: 0.003+/-0.007 χ^2/NDF: 81.6/67

In: -0.008+/-0.007 χ^2/NDF:71.9/54

Out: 0.011+/-0.007 χ^2/NDF:65.4/60

All: 0.002+/-0.005 χ^2/NDF: 140.6/115

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.842+/-0.007 χ^2/NDF: 3222426.9/31

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 39.748+/-0.007 χ^2/NDF: 4850745.9/35

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

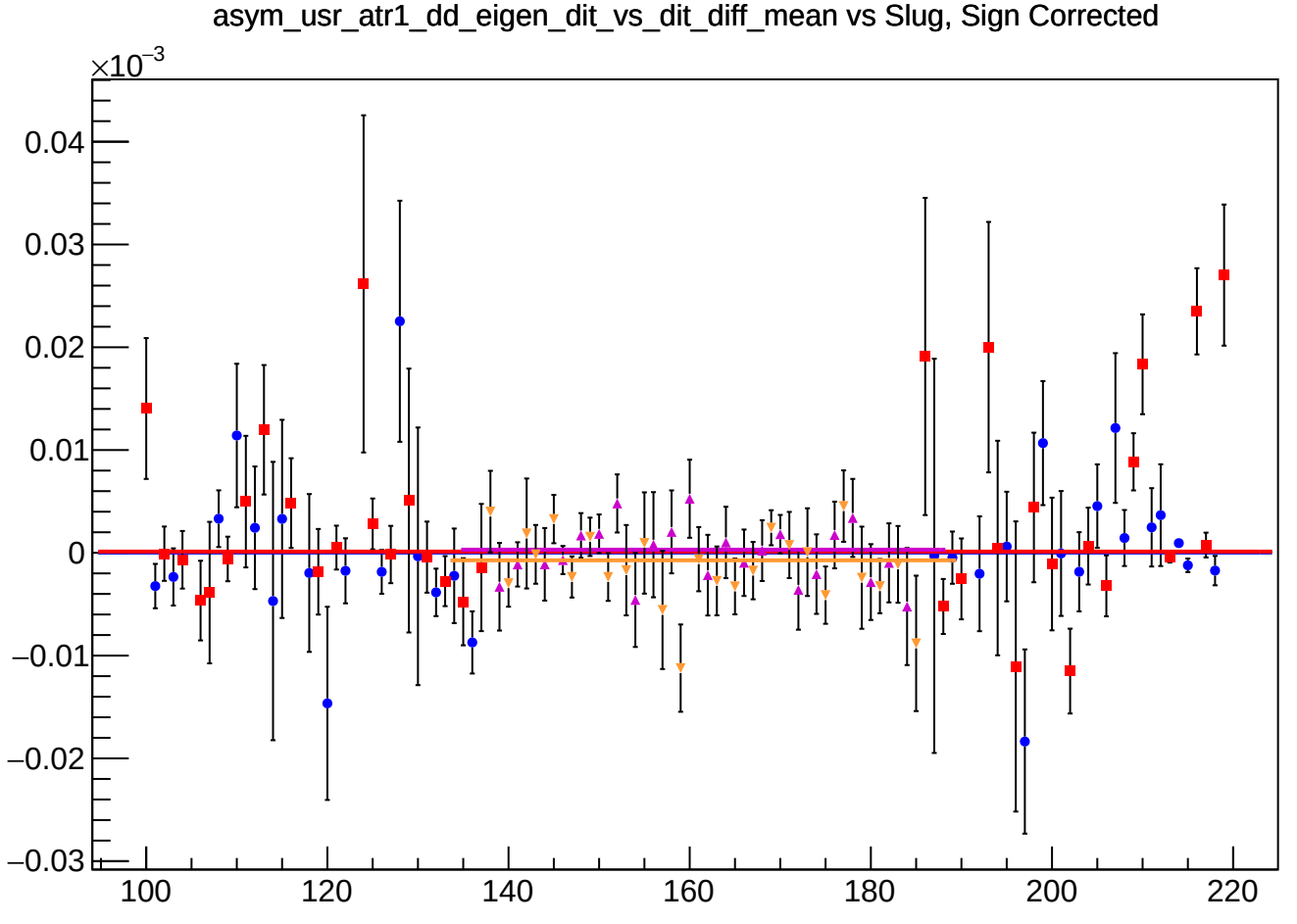
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 40.764+/-0.005 χ^2/NDF: 8113398.9/67

In: 40.130+/-0.005 χ^2/NDF:5048101.7/54

Out: 38.848+/-0.005 χ^2/NDF:6846514.4/60

All: 39.468+/-0.004 χ^2/NDF: 11927022.4/115



Right In: 0.000+/-0.000 χ^2/NDF: 49.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 109.3/35

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

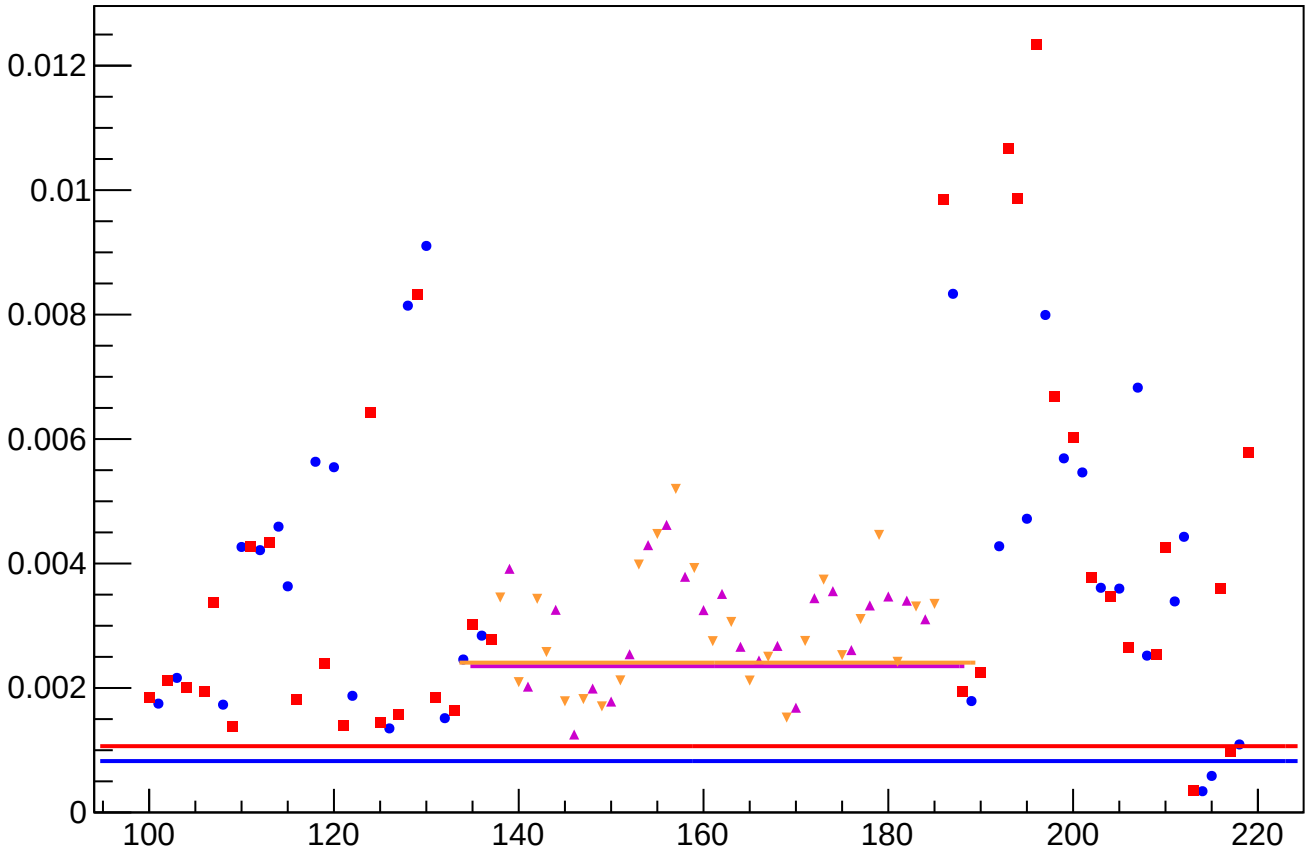
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: 0.000+/-0.000 χ^2/NDF: 158.7/67

In: 0.000+/-0.000 χ^2/NDF:63.3/54

Out: -0.000+/-0.000 χ^2/NDF:137.3/60

All: -0.000+/-0.000 χ^2/NDF: 200.9/115



Right In: 0.001+/-0.000 χ^2/NDF: 22534786.3/31

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 21085674.8/35

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

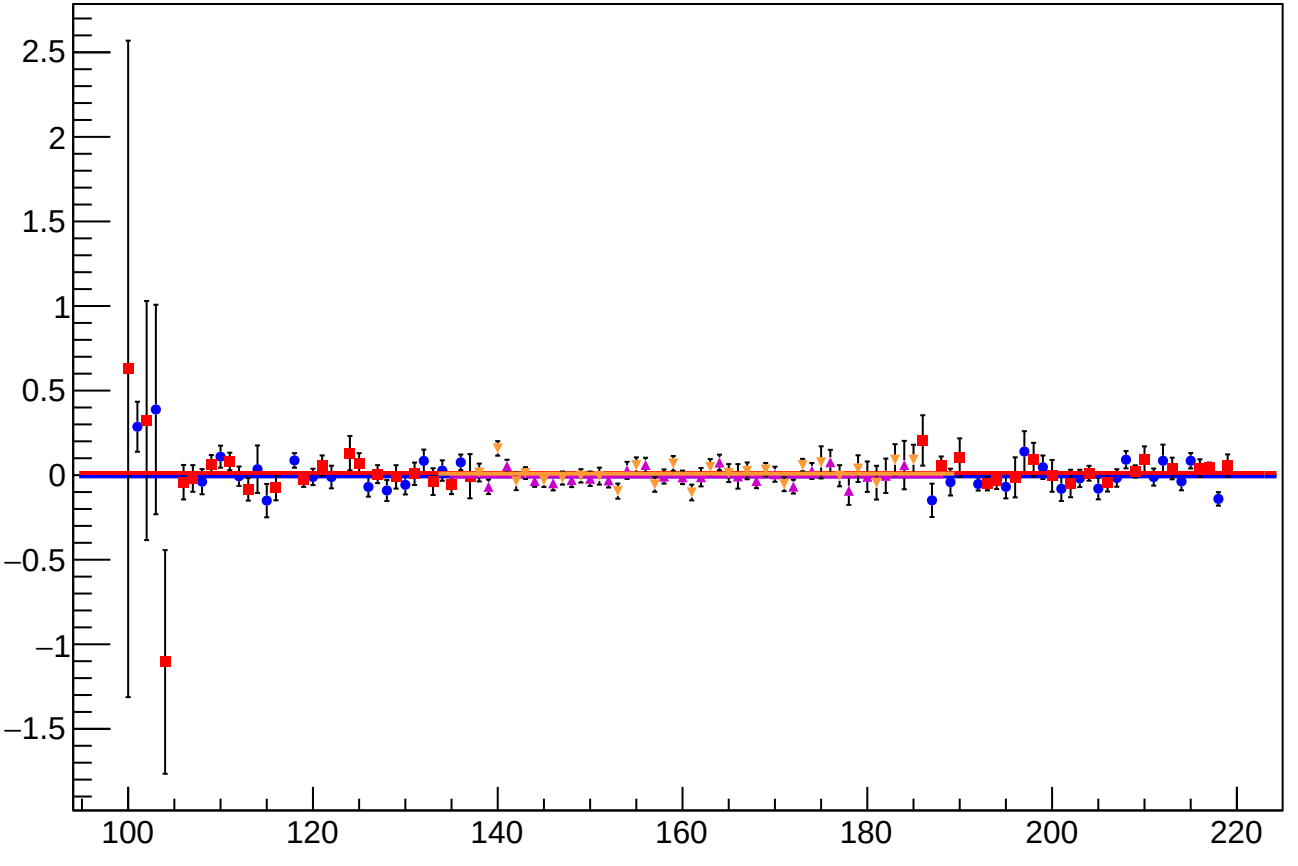
Right: 0.001+/-0.000 χ^2/NDF: 44121185.5/67

In: 0.001+/-0.000 χ^2/NDF:37410715.0/54

Out: 0.001+/-0.000 χ^2/NDF:32307660.6/60

All: 0.001+/-0.000 χ^2/NDF: 70832528.5/115

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.011 χ^2/NDF: 53.1/31

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.013+/-0.010 χ^2/NDF: 26.7/35

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

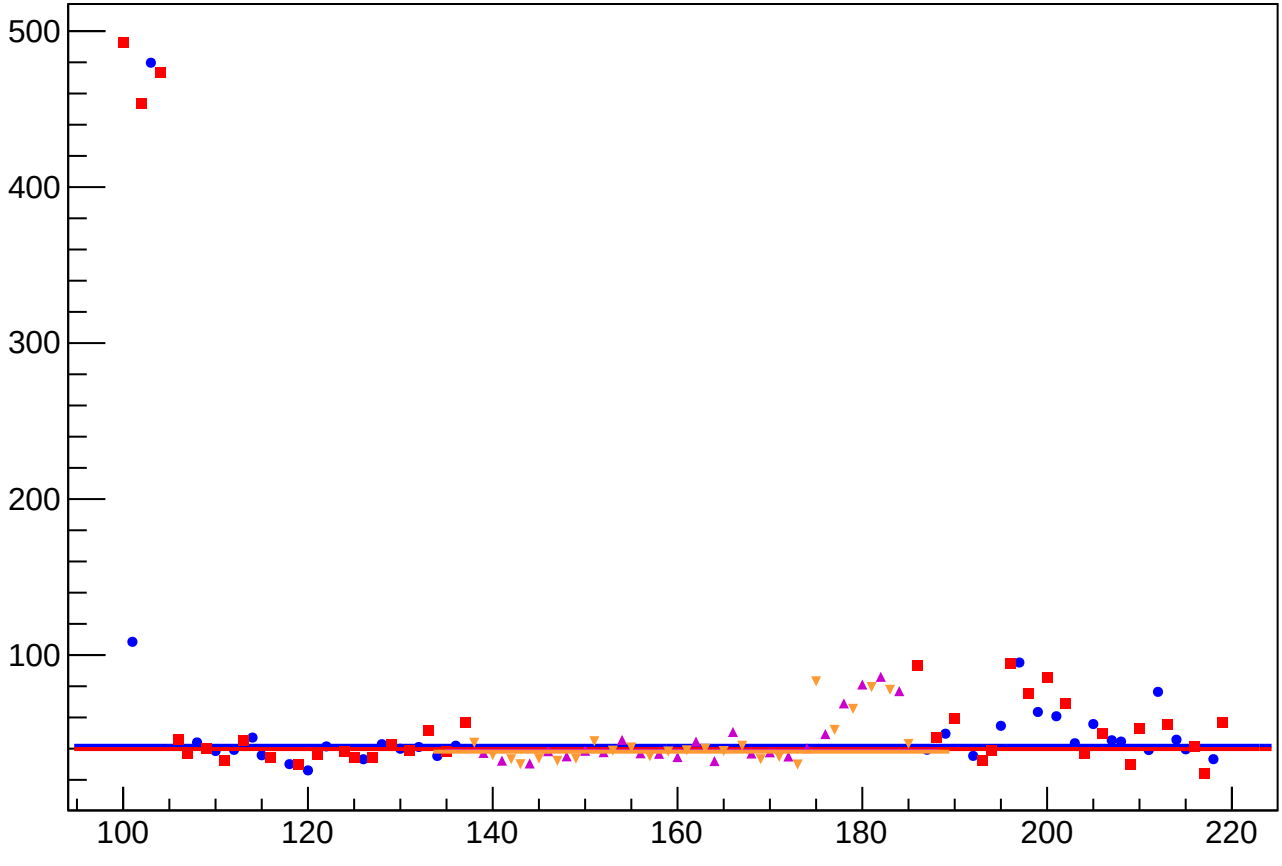
Right: 0.003+/-0.007 χ^2/NDF: 81.6/67

In: -0.008+/-0.007 χ^2/NDF:71.9/54

Out: 0.011+/-0.007 χ^2/NDF:65.4/60

All: 0.002+/-0.005 χ^2/NDF: 140.6/115

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.842+/-0.007 χ^2/NDF: 3222654.5/31

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 39.746+/-0.007 χ^2/NDF: 4851247.8/35

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

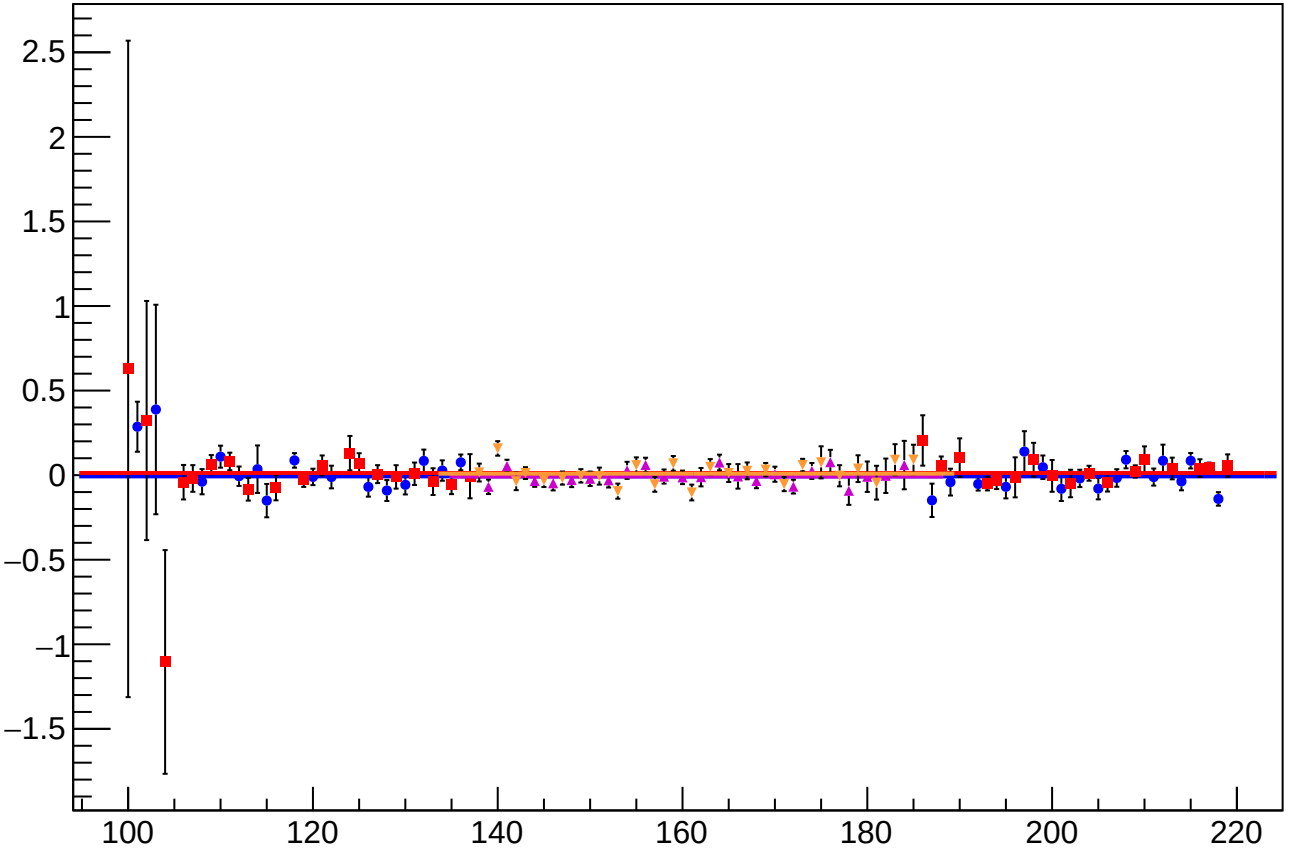
Right: 40.762+/-0.005 χ^2/NDF: 8114213.4/67

In: 40.130+/-0.005 χ^2/NDF:5048353.7/54

Out: 38.846+/-0.005 χ^2/NDF:6846927.7/60

All: 39.467+/-0.004 χ^2/NDF: 11927732.8/115

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.011 χ^2/NDF: 53.1/31

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.013+/-0.010 χ^2/NDF: 26.7/35

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

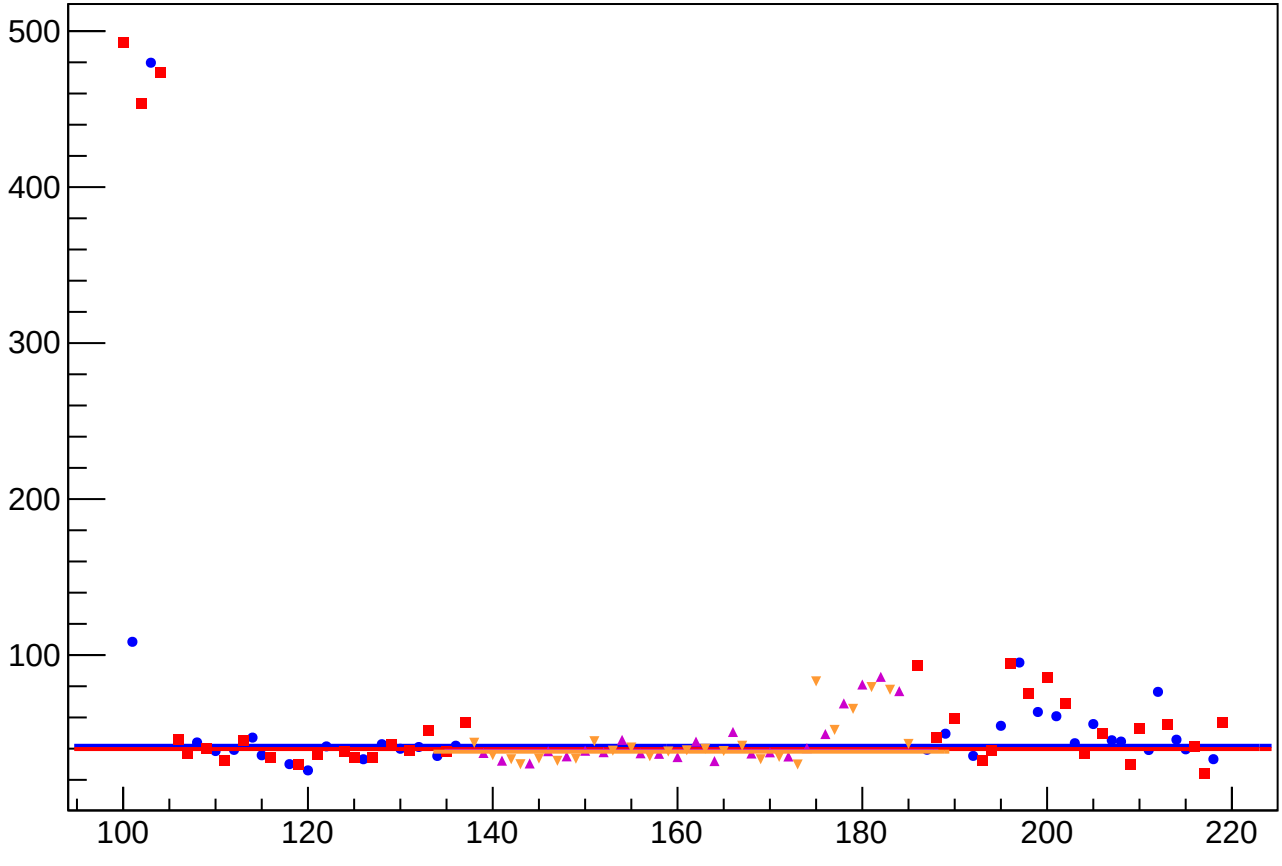
Right: 0.003+/-0.007 χ^2/NDF: 81.6/67

In: -0.008+/-0.007 χ^2/NDF:71.9/54

Out: 0.011+/-0.007 χ^2/NDF:65.4/60

All: 0.002+/-0.005 χ^2/NDF: 140.6/115

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.842+/-0.007 χ^2/NDF: 3222654.5/31

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 39.746+/-0.007 χ^2/NDF: 4851247.8/35

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

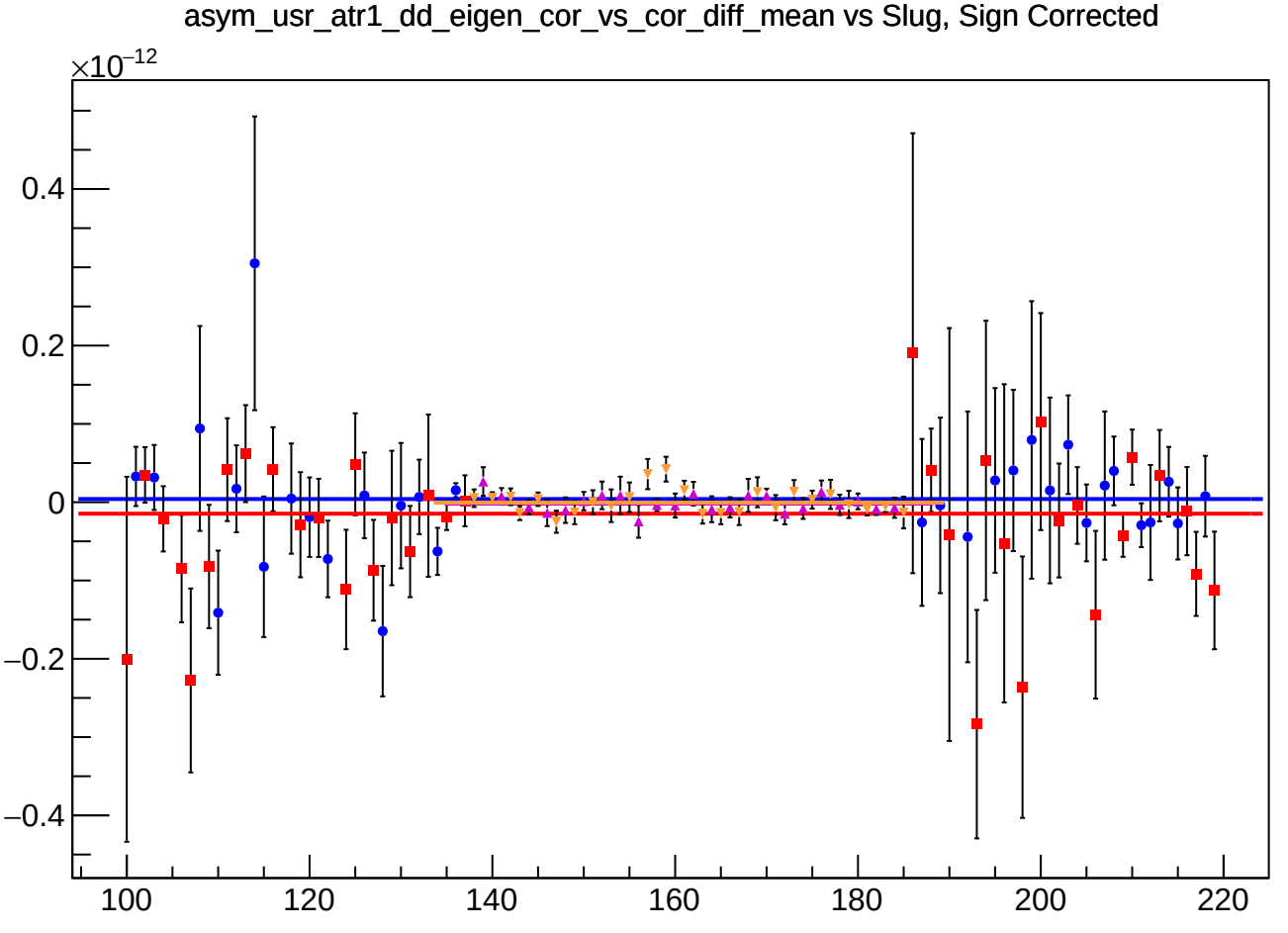
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 40.762+/-0.005 χ^2/NDF: 8114213.4/67

In: 40.130+/-0.005 χ^2/NDF:5048353.7/54

Out: 38.846+/-0.005 χ^2/NDF:6846927.7/60

All: 39.467+/-0.004 χ^2/NDF: 11927732.8/115



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/35

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

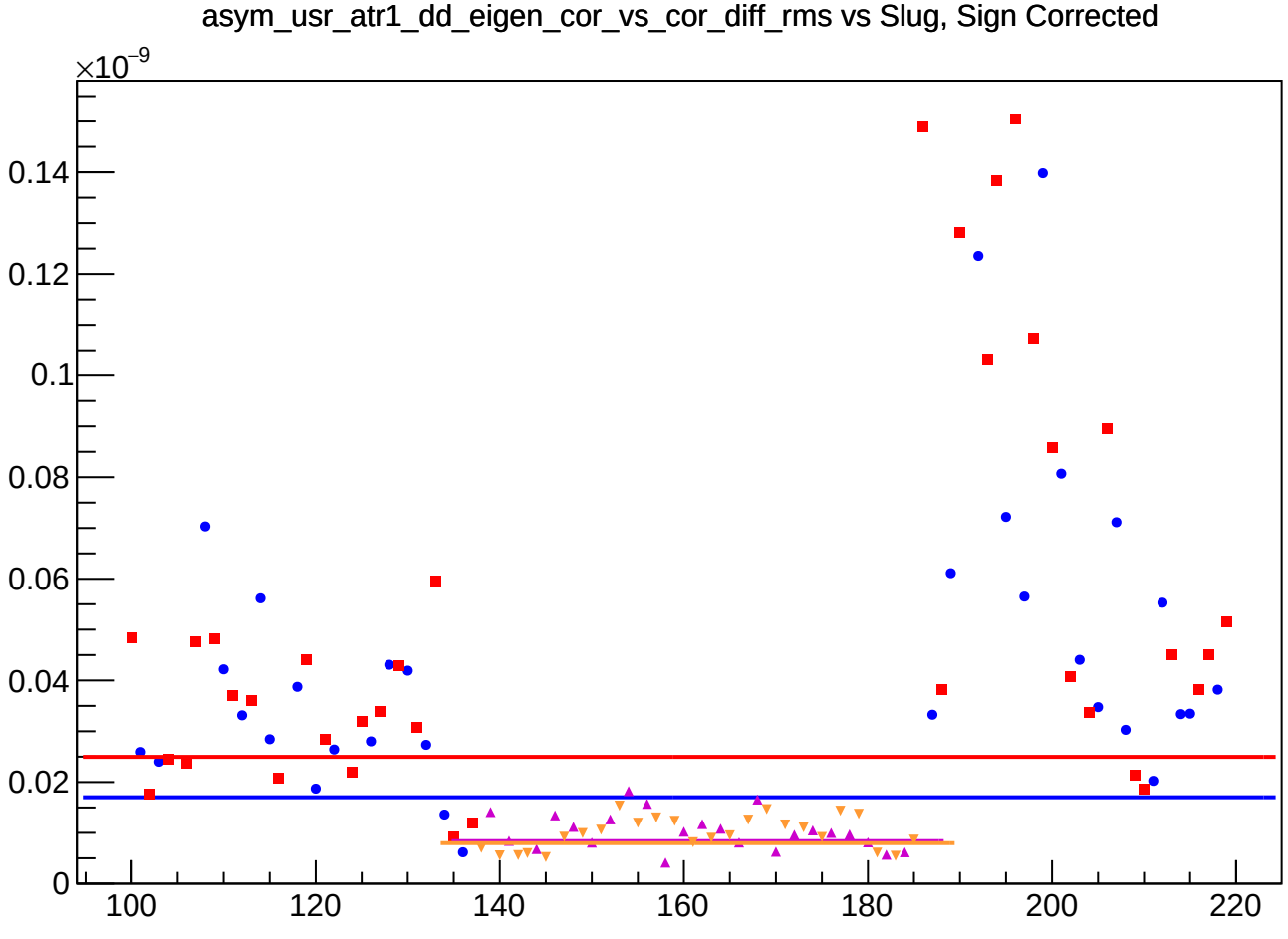
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

Right: -0.000+/-0.000 χ^2/NDF: 64.6/67

In: -0.000+/-0.000 χ^2/NDF:39.1/54

Out: -0.000+/-0.000 χ^2/NDF:64.3/60

All: -0.000+/-0.000 χ^2/NDF: 103.4/115



Right In: 0.000+/-0.000 χ^2/NDF: 11154040.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8830571.2/35

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

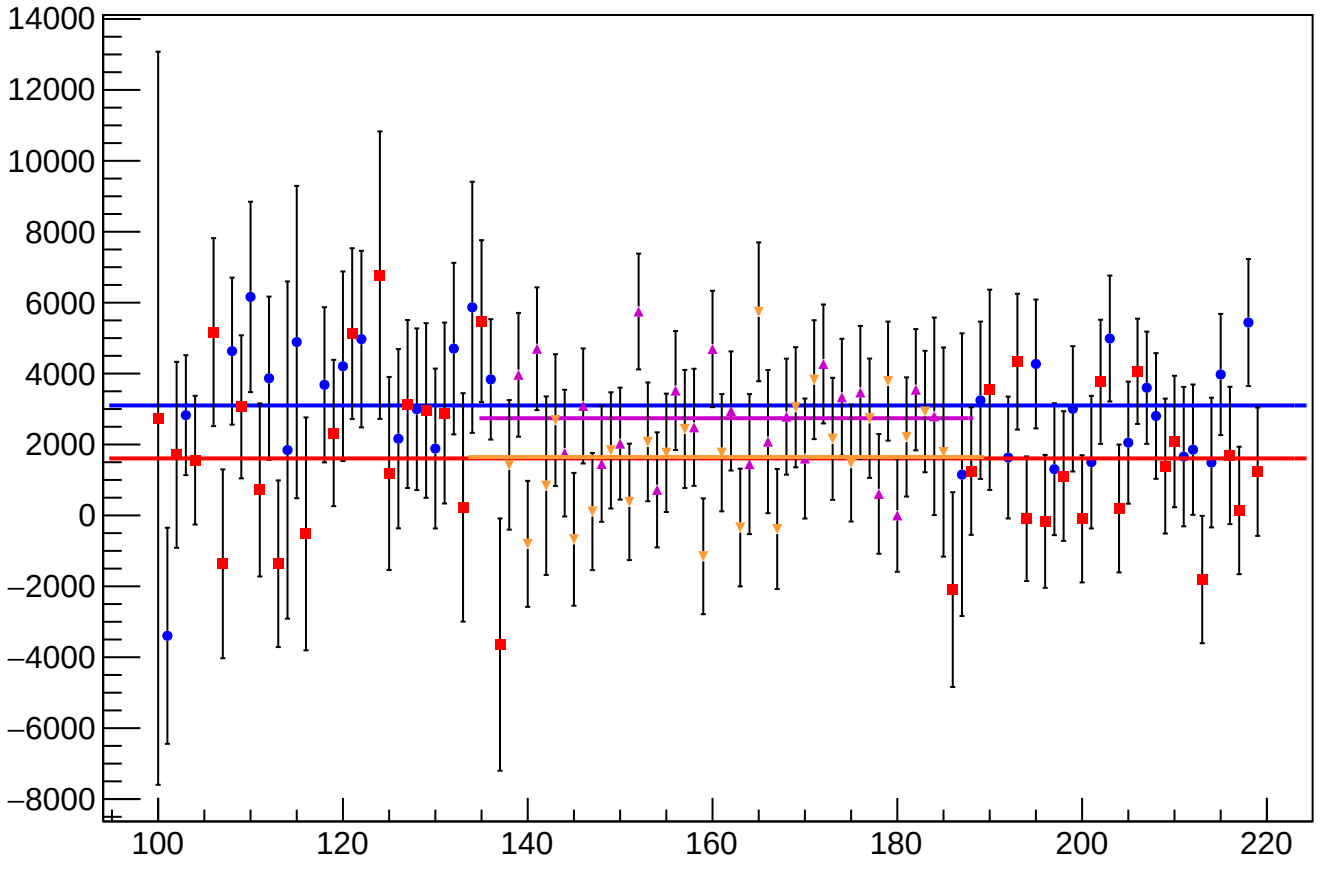
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 21042518.1/67

In: 0.000+/-0.000 χ^2/NDF:16814083.3/54

Out: 0.000+/-0.000 χ^2/NDF:18882798.6/60

All: 0.000+/-0.000 χ^2/NDF: 35709531.7/115



Right In: 3100.803+/-366.386 χ^2/NDF: 17.7/31

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1607.070+/-358.038 χ^2/NDF: 32.3/35

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

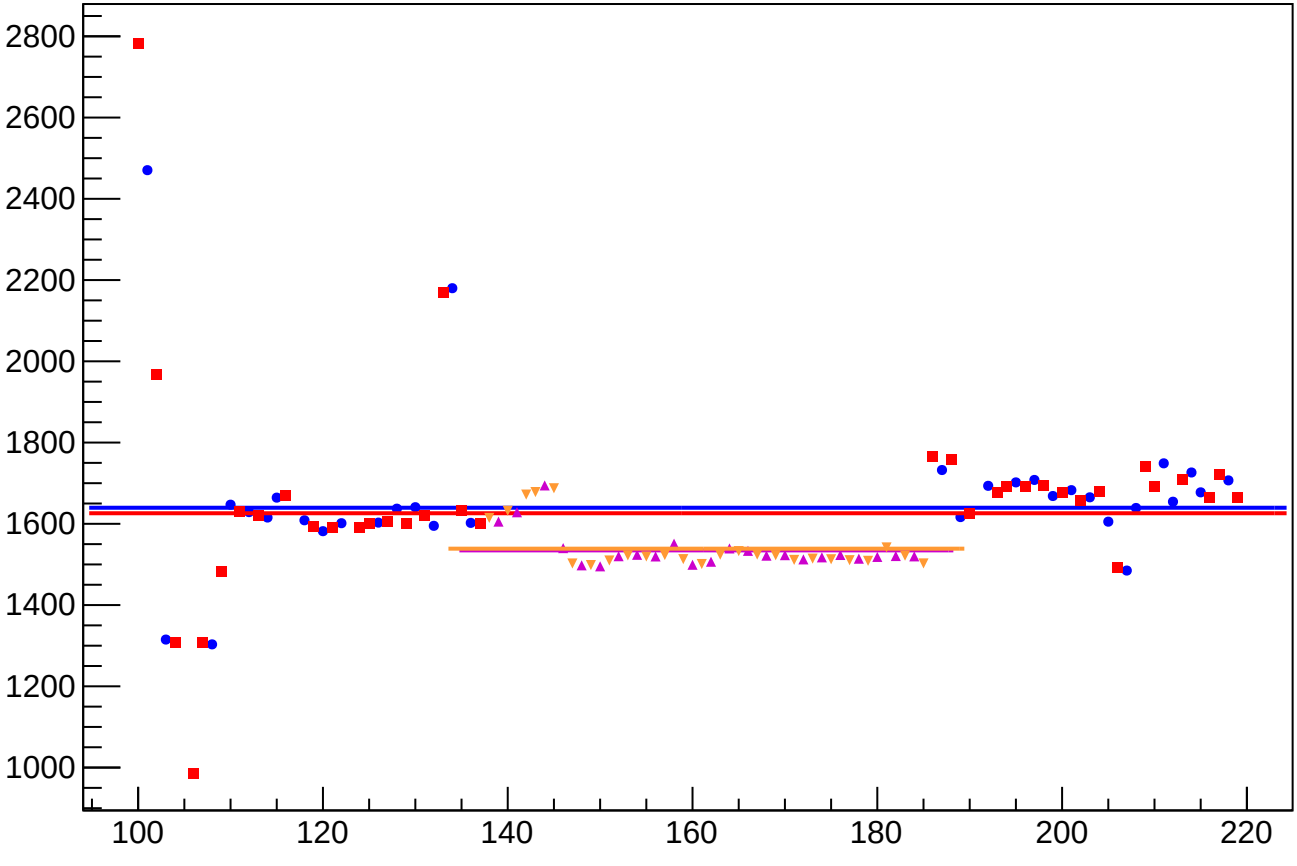
Right: 2336.725+/-256.071 χ^2/NDF: 58.5/67

In: 2916.928+/-256.225 χ^2/NDF:34.6/54

Out: 1627.196+/-250.192 χ^2/NDF:53.3/60

All: 2256.700+/-179.008 χ^2/NDF: 100.9/115

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1639.573+/-0.259 χ^2/NDF: 370550.1/31

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1626.014+/-0.252 χ^2/NDF: 482617.4/35

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

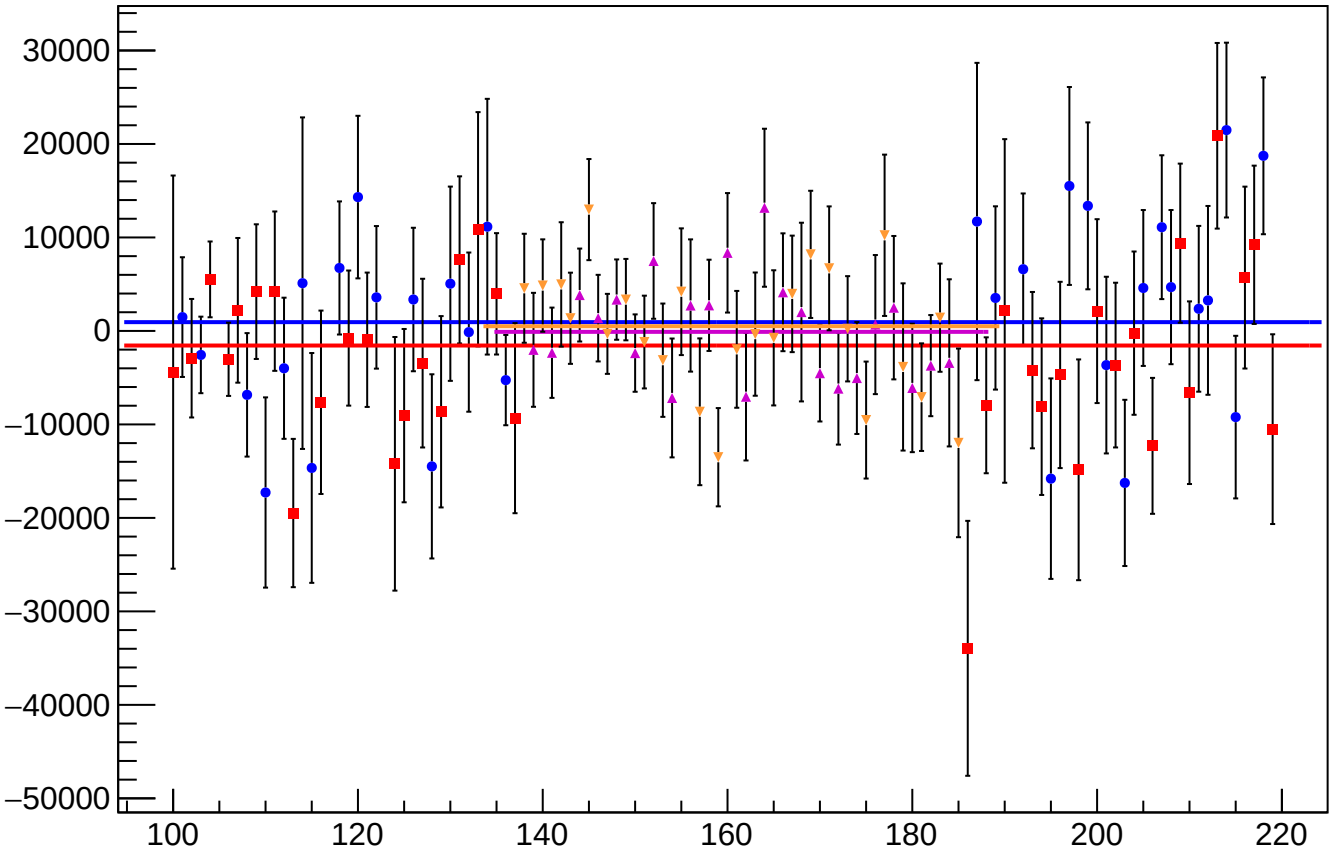
Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

Right: 1632.594+/-0.180 χ^2/NDF: 854577.3/67

In: 1585.946+/-0.181 χ^2/NDF:485530.4/54

Out: 1581.667+/-0.176 χ^2/NDF:590775.0/60

All: 1583.749+/-0.126 χ^2/NDF: 1076591.8/11



Right In: 940.353+/-1438.526 χ^2/NDF: 39.6/31

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: -1561.006+/-1345.001 χ^2/NDF: 36.3/35

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

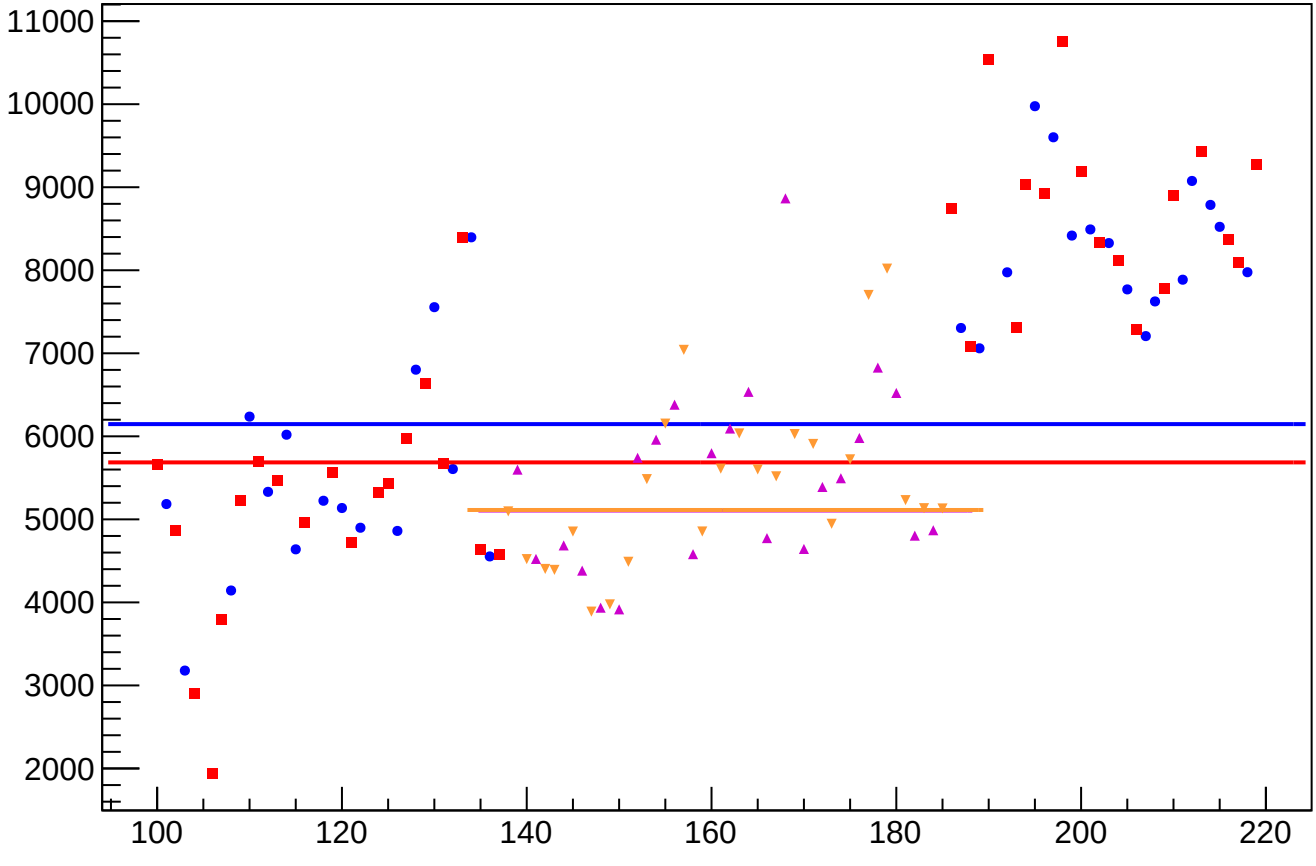
Right: -394.277+/-982.460 χ^2/NDF: 77.5/67

In: 335.450+/-929.370 χ^2/NDF:54.8/54

Out: -400.490+/-890.109 χ^2/NDF:64.4/60

All: -48.393+/-642.834 χ^2/NDF: 119.6/115

asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 6147.076+/-1.017 χ^2/NDF: 3626685.7/31

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5686.033+/-0.951 χ^2/NDF: 6266422.2/35

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

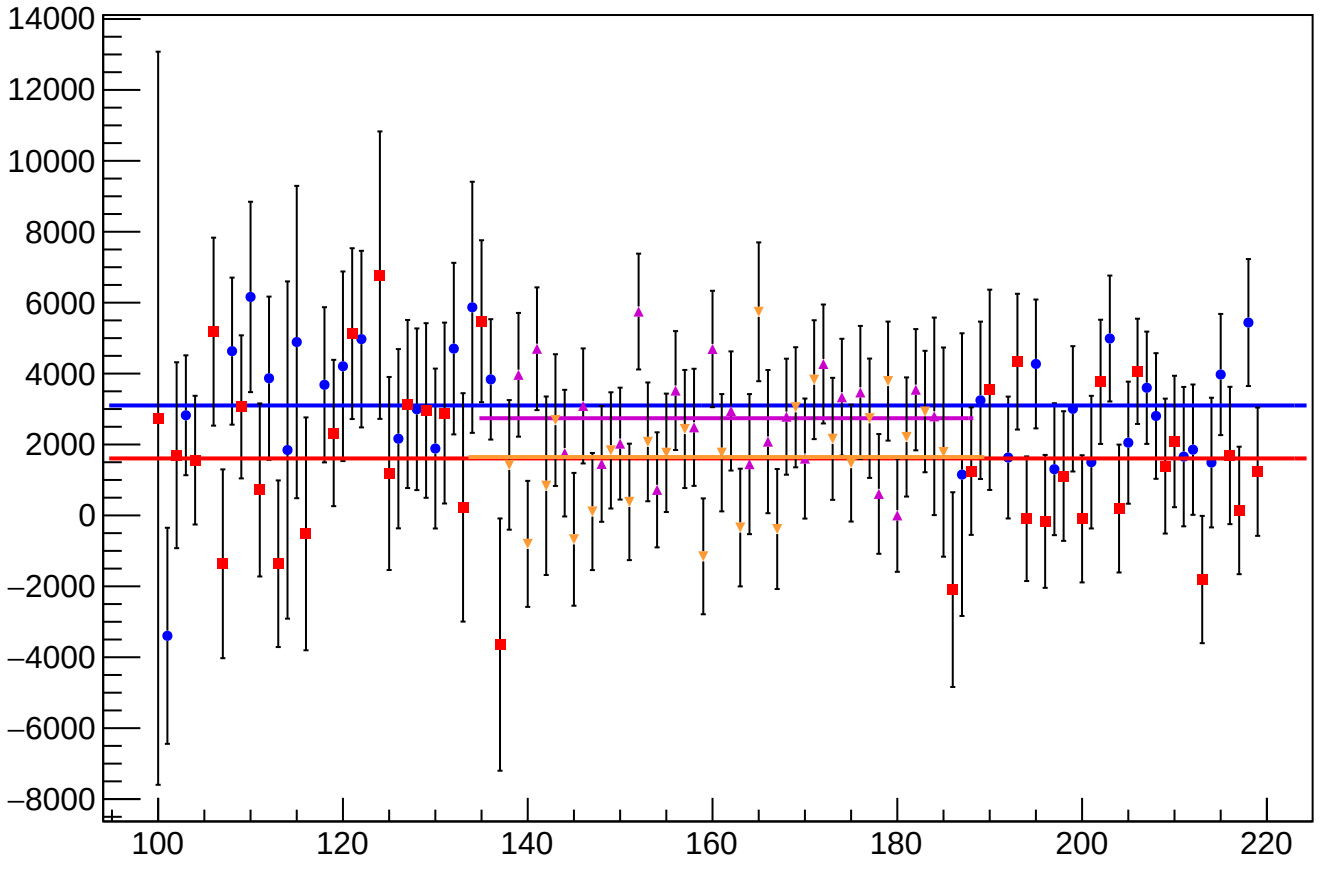
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 5901.081+/-0.695 χ^2/NDF: 10002720.8/67

In: 5540.759+/-0.657 χ^2/NDF:5488147.7/54

Out: 5363.943+/-0.629 χ^2/NDF:7629501.6/60

All: 5448.538+/-0.455 χ^2/NDF: 13155406.8/1



Right In: 3100.703+/-366.386 χ^2/NDF: 17.7/31

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1607.117+/-358.038 χ^2/NDF: 32.3/35

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

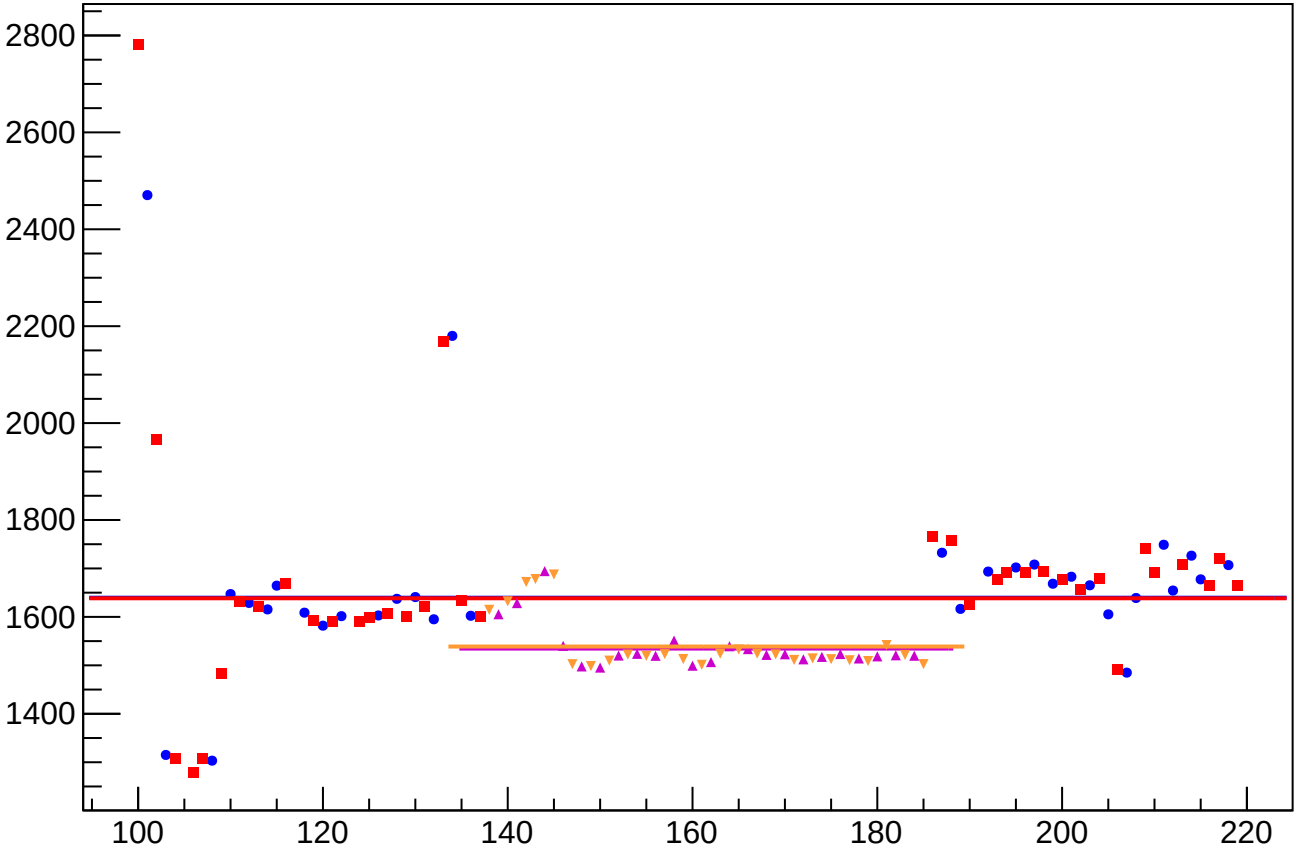
Right: 2336.702+/-256.072 χ^2/NDF: 58.5/67

In: 2916.829+/-256.225 χ^2/NDF:34.6/54

Out: 1627.164+/-250.193 χ^2/NDF:53.3/60

All: 2256.636+/-179.008 χ^2/NDF: 100.9/115

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1639.573+/-0.259 χ^2/NDF: 370549.1/31

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1638.404+/-0.253 χ^2/NDF: 322580.1/35

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

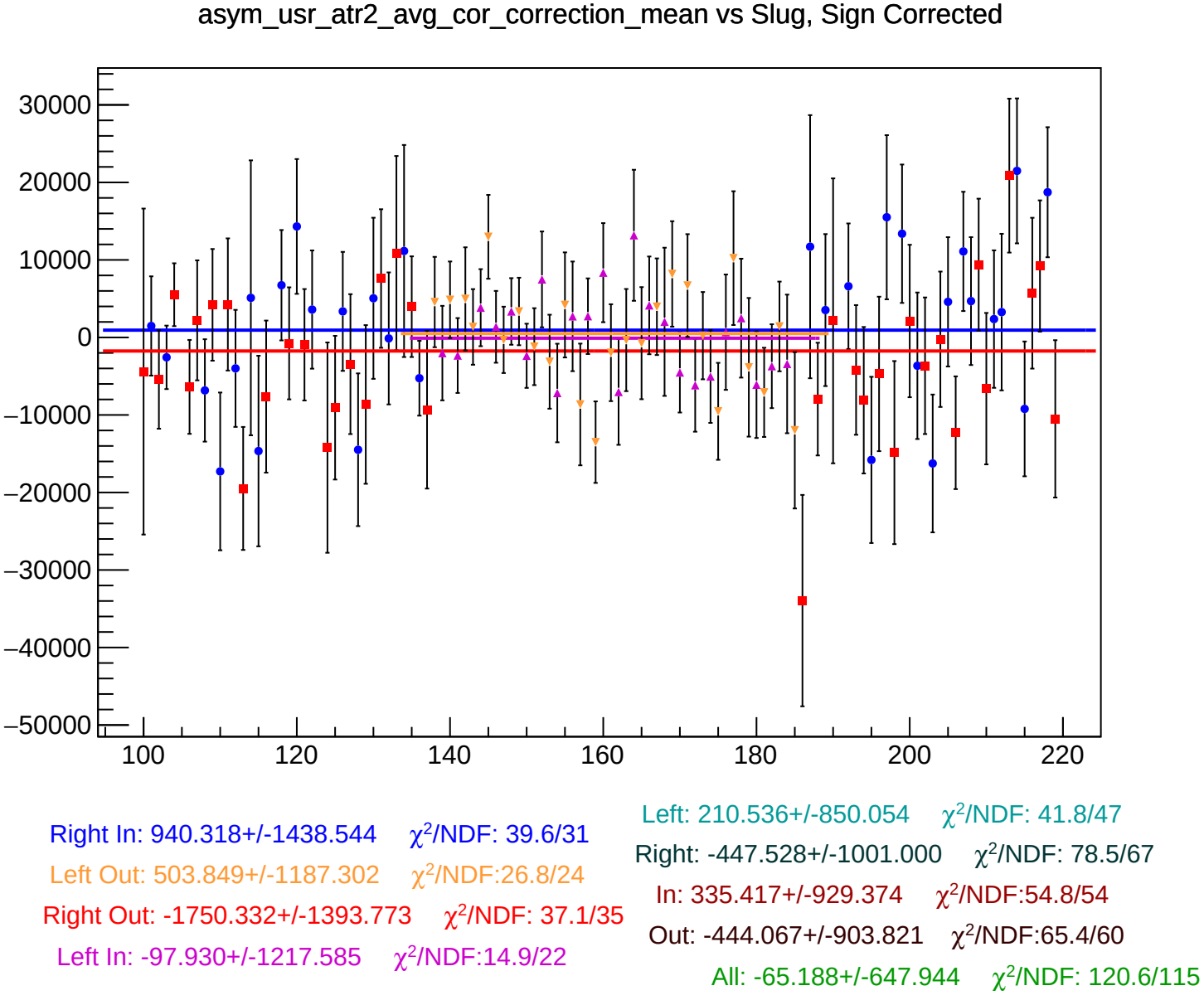
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

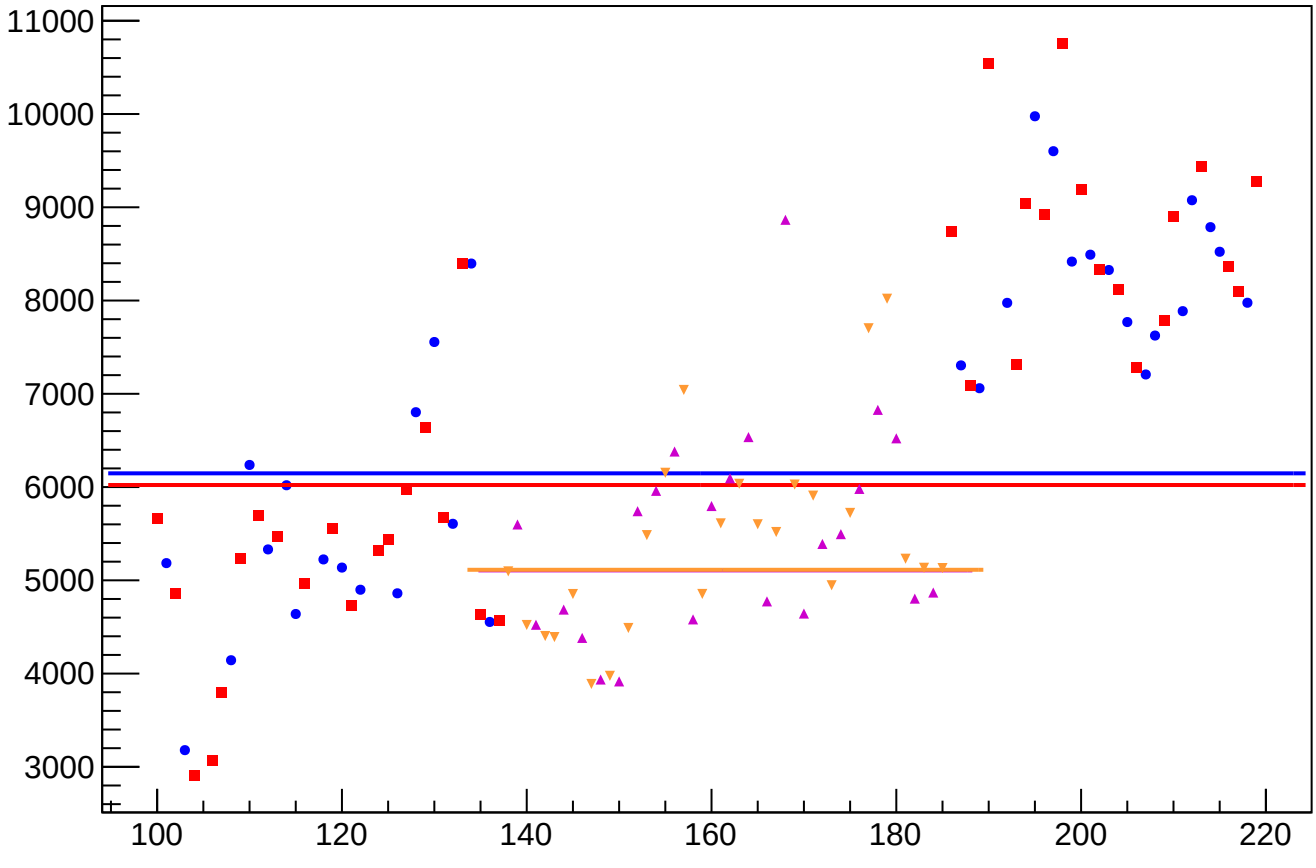
Right: 1638.974+/-0.181 χ^2/NDF: 693139.6/67

In: 1585.946+/-0.181 χ^2/NDF:485529.5/54

Out: 1587.515+/-0.177 χ^2/NDF:448941.6/60

All: 1586.750+/-0.127 χ^2/NDF: 934509.5/115


asym_usr_atr2_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: 940.318+/-1438.544 χ²/NDF: 39.6/31
Left Out: 503.849+/-1187.302 χ²/NDF:26.8/24
Right Out: -1750.332+/-1393.773 χ²/NDF: 37.1/35
Left In: -97.930+/-1217.585 χ²/NDF:14.9/22
Left: 210.536+/-850.054 χ²/NDF: 41.8/47
Right: -447.528+/-1001.000 χ²/NDF: 78.5/67
In: 335.417+/-929.374 χ²/NDF:54.8/54
Out: -444.067+/-903.821 χ²/NDF:65.4/60
All: -65.188+/-647.944 χ²/NDF: 120.6/115



Right In: 6147.191+/-1.017 χ^2/NDF: 3626231.6/31

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 6021.975+/-0.986 χ^2/NDF: 4693392.2/35

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

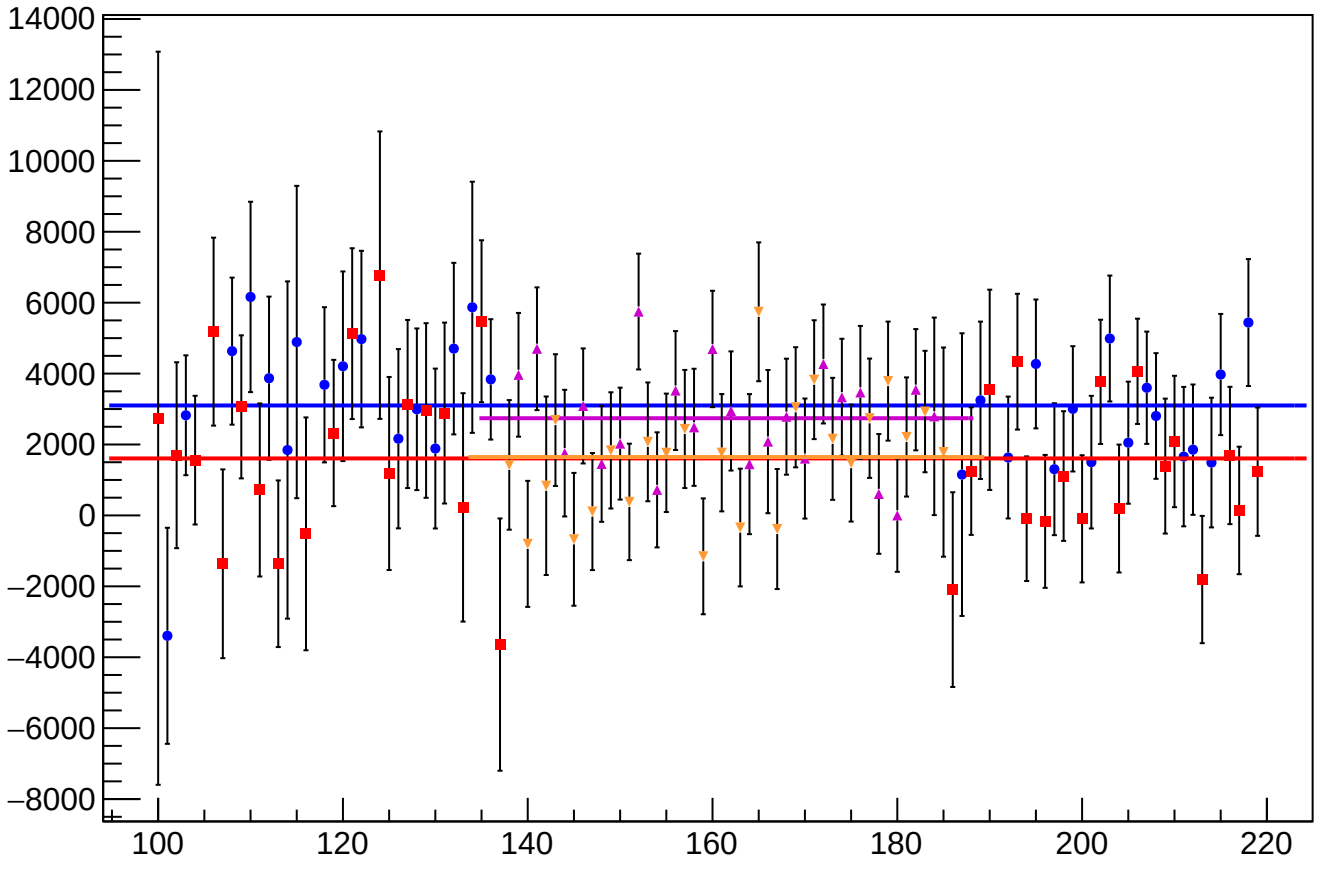
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 6082.604+/-0.708 χ^2/NDF: 8327439.8/67

In: 5540.799+/-0.657 χ^2/NDF:5487822.5/54

Out: 5495.206+/-0.639 χ^2/NDF:6345411.1/60

All: 5517.367+/-0.458 χ^2/NDF: 11835707.4/1



Right In: 3100.703+/-366.386 χ^2/NDF: 17.7/31

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1607.117+/-358.038 χ^2/NDF: 32.3/35

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

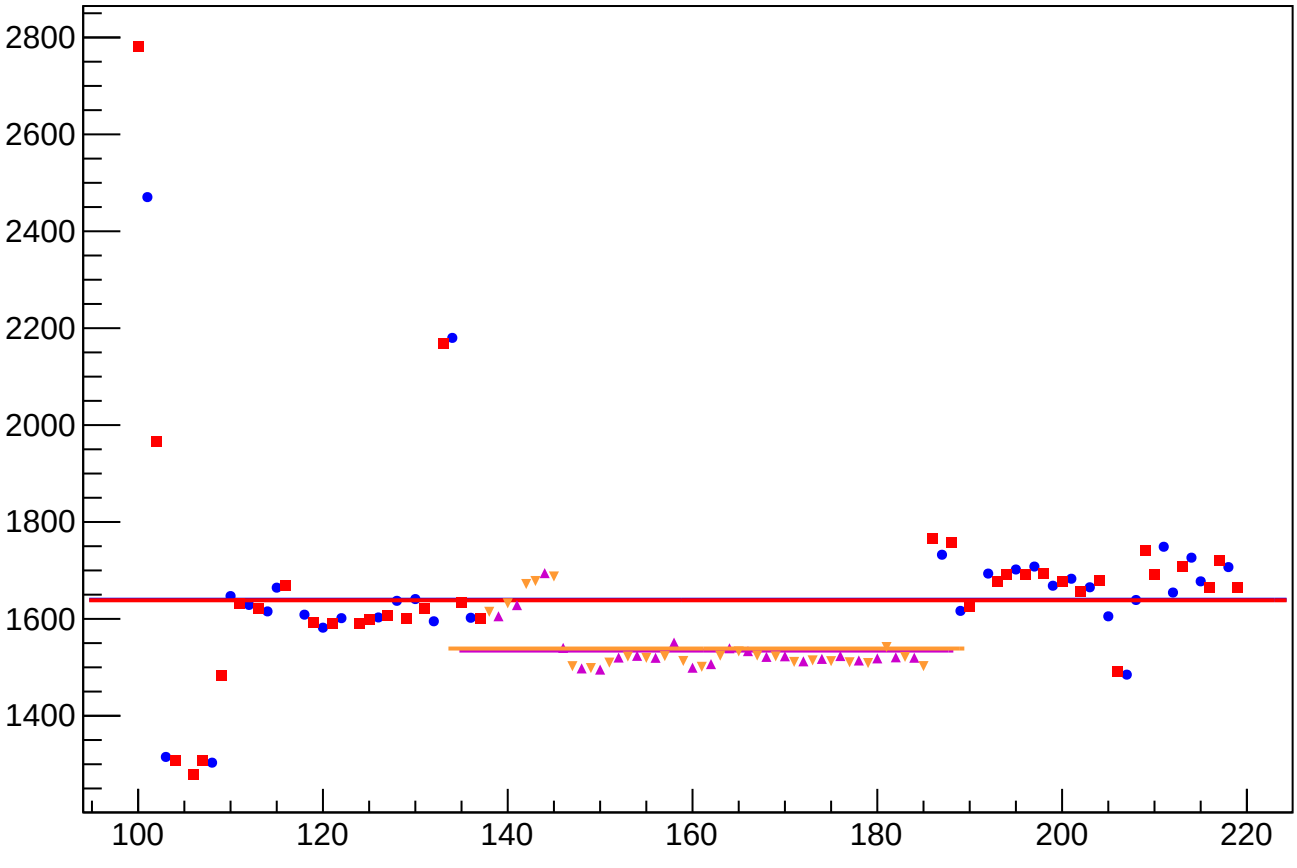
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2336.702+/-256.072 χ^2/NDF: 58.5/67

In: 2916.829+/-256.225 χ^2/NDF:34.6/54

Out: 1627.164+/-250.193 χ^2/NDF:53.3/60

All: 2256.636+/-179.008 χ^2/NDF: 100.9/115



Right In: 1639.573+/-0.259 χ^2/NDF: 370549.1/31

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1638.404+/-0.253 χ^2/NDF: 322580.1/35

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

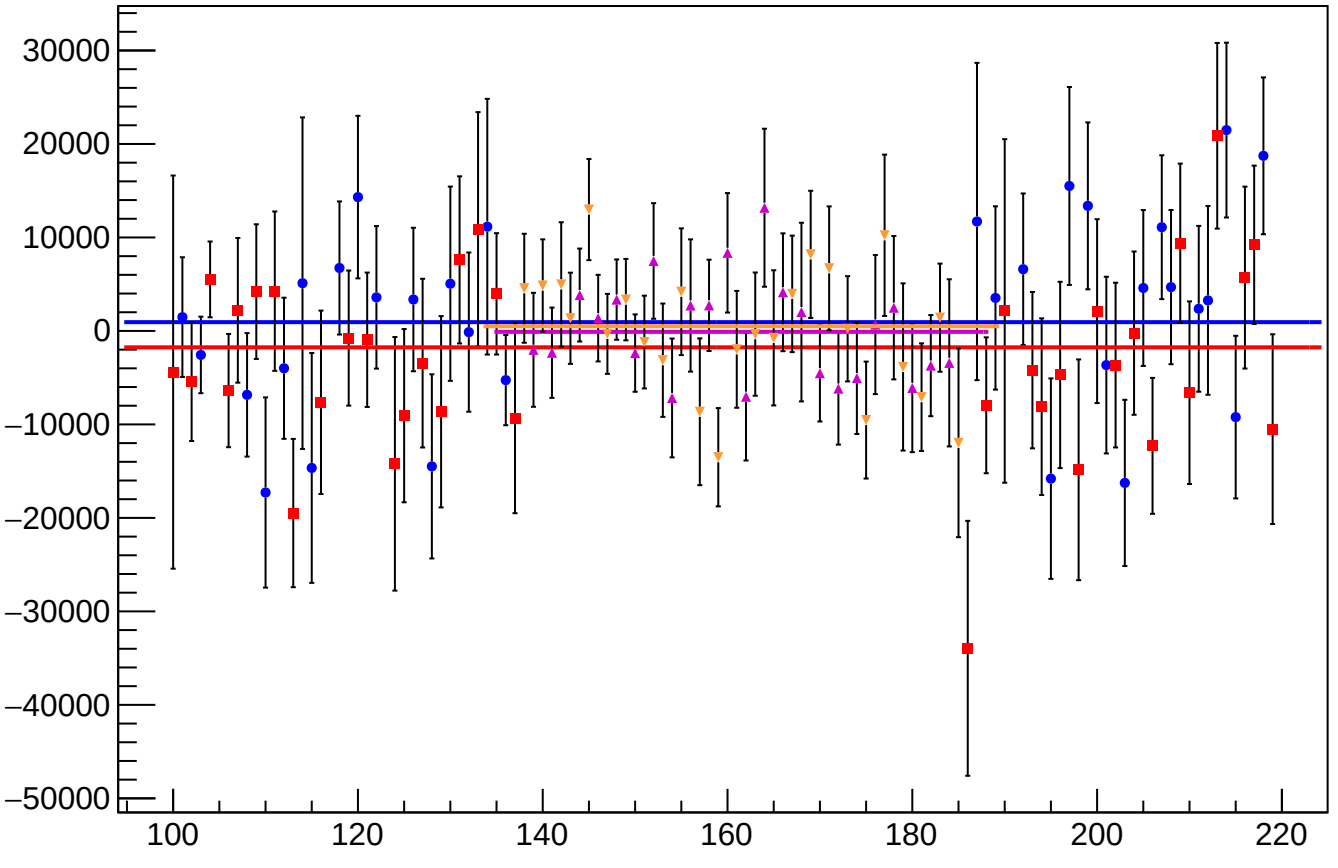
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1638.974+/-0.181 χ^2/NDF: 693139.6/67

In: 1585.946+/-0.181 χ^2/NDF:485529.5/54

Out: 1587.515+/-0.177 χ^2/NDF:448941.6/60

All: 1586.750+/-0.127 χ^2/NDF: 934509.5/115



Right In: 940.318+/-1438.544 χ^2/NDF: 39.6/31

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -1750.332+/-1393.773 χ^2/NDF: 37.1/35

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

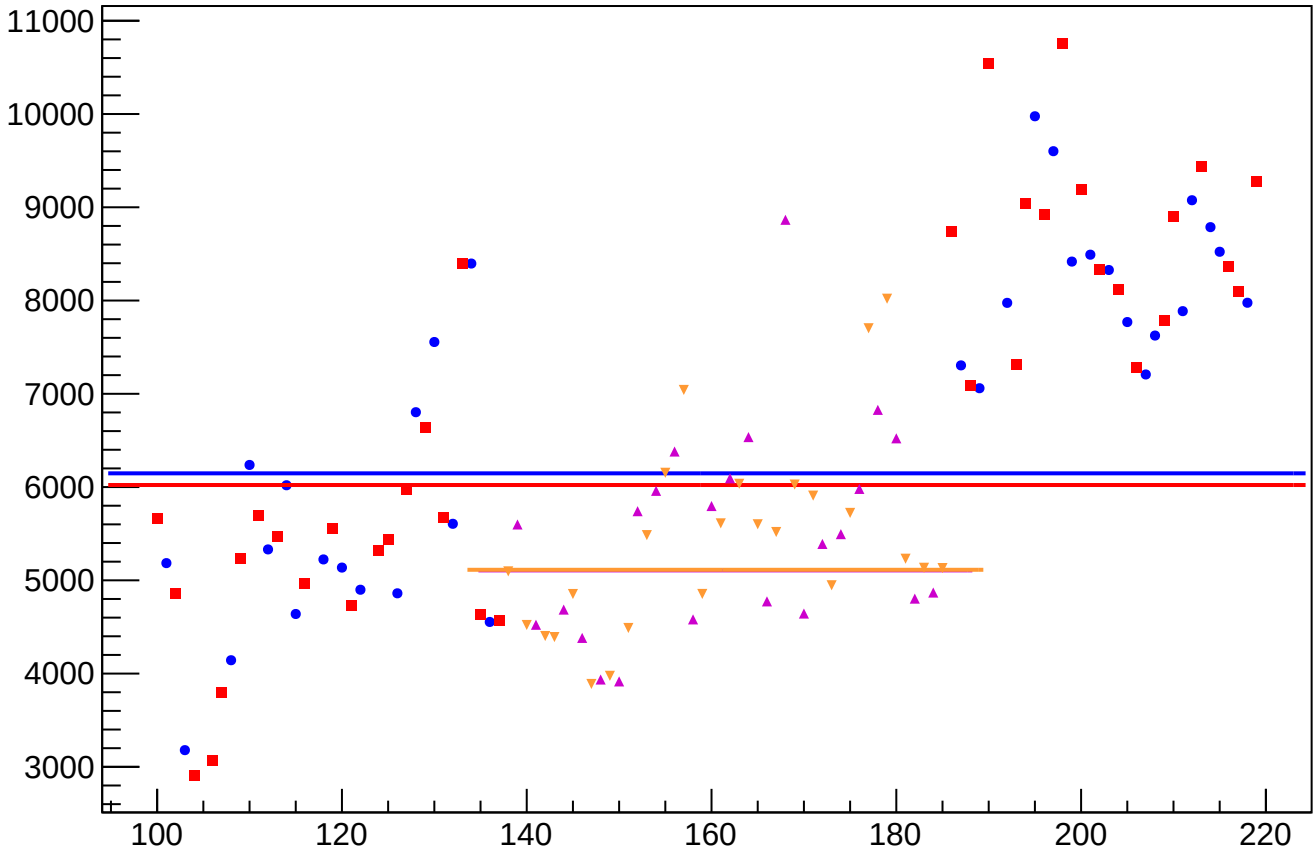
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -447.528+/-1001.000 χ^2/NDF: 78.5/67

In: 335.417+/-929.374 χ^2/NDF:54.8/54

Out: -444.067+/-903.821 χ^2/NDF:65.4/60

All: -65.188+/-647.944 χ^2/NDF: 120.6/115



Right In: 6147.191+/-1.017 χ^2/NDF: 3626231.6/31

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 6021.975+/-0.986 χ^2/NDF: 4693392.2/35

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

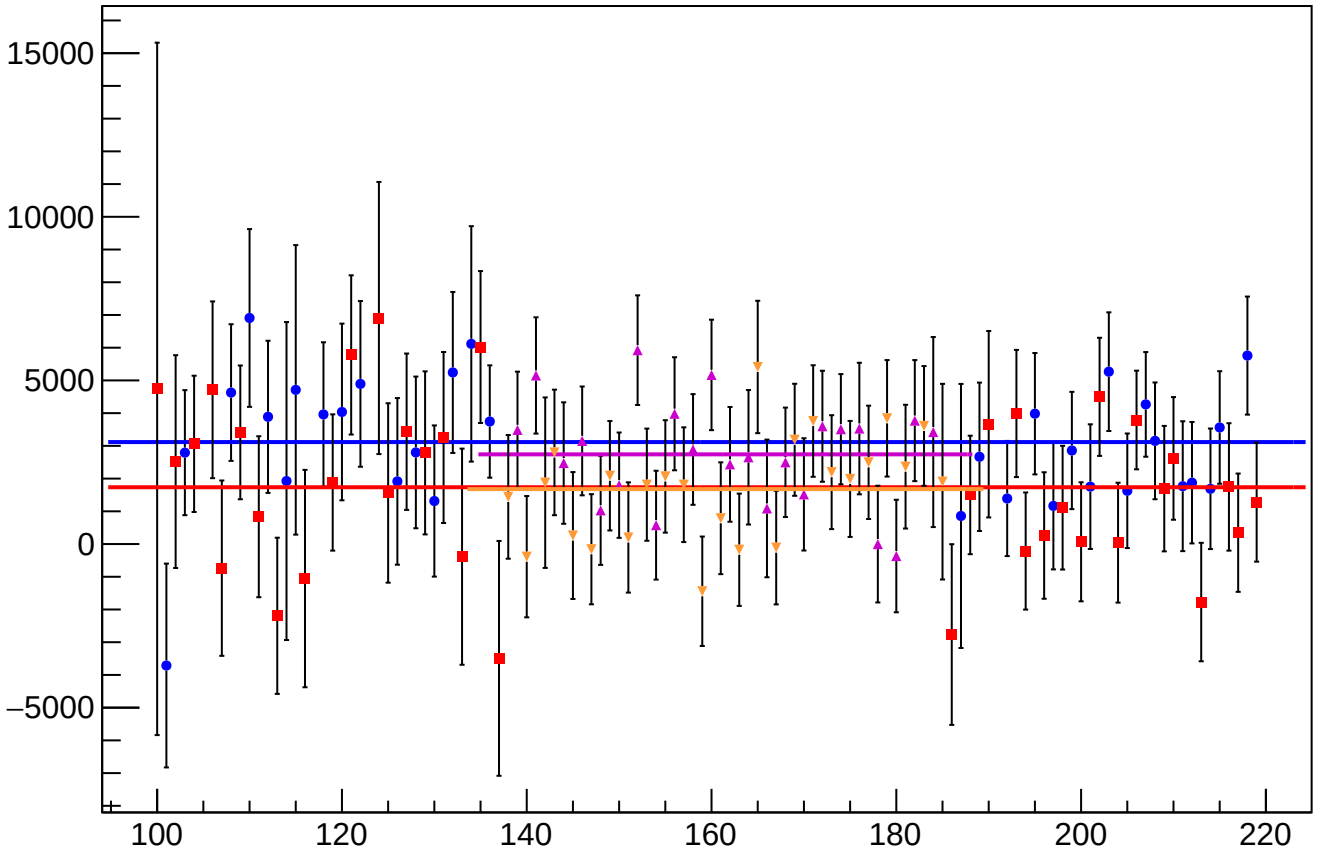
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 6082.604+/-0.708 χ^2/NDF: 8327439.8/67

In: 5540.799+/-0.657 χ^2/NDF:5487822.5/54

Out: 5495.206+/-0.639 χ^2/NDF:6345411.1/60

All: 5517.367+/-0.458 χ^2/NDF: 11835707.4/1



Right In: 3115.985+/-373.428 χ^2/NDF: 20.2/31

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 1735.760+/-365.751 χ^2/NDF: 35.0/35

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

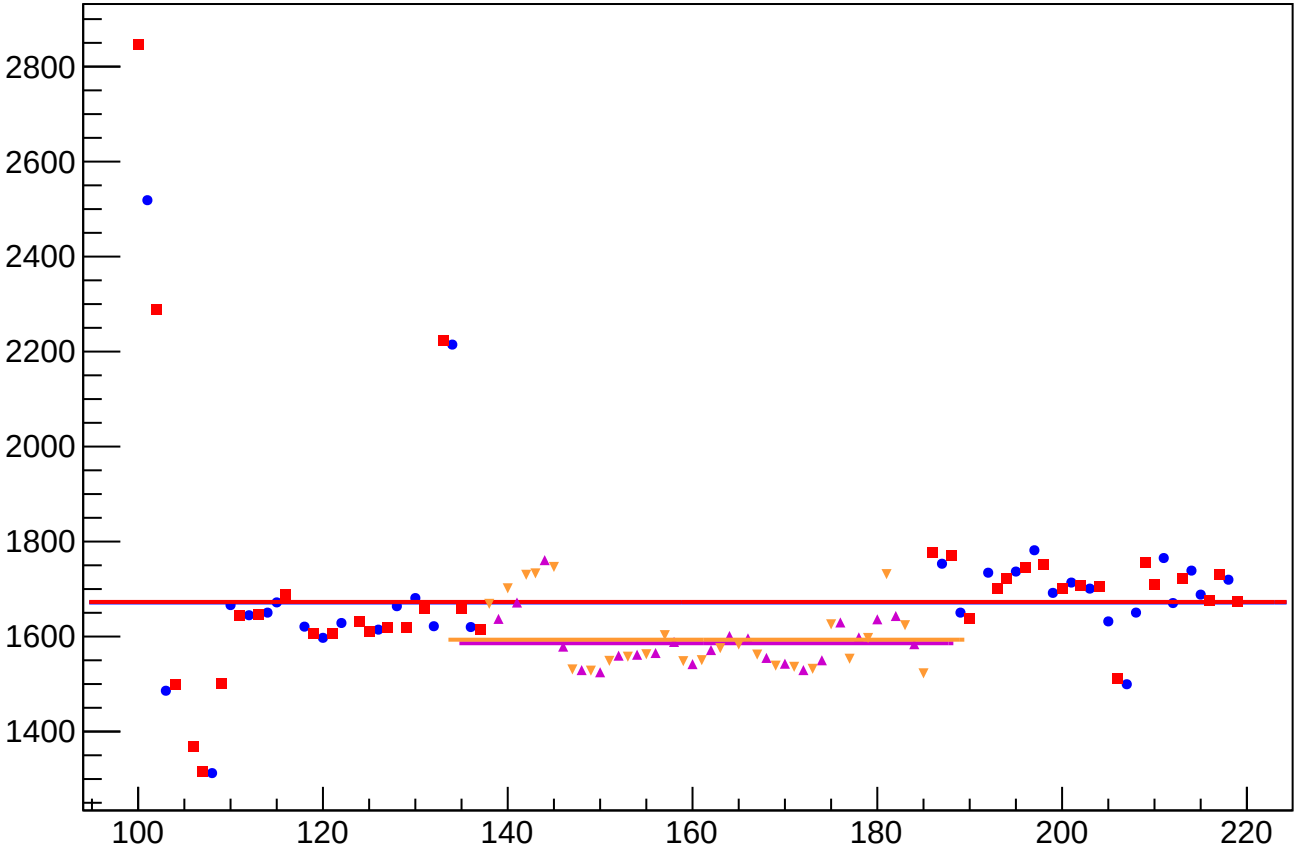
Right: 2411.540+/-261.297 χ^2/NDF: 62.2/67

In: 2926.902+/-263.049 χ^2/NDF:39.9/54

Out: 1707.200+/-257.429 χ^2/NDF:54.0/60

All: 2303.882+/-183.985 χ^2/NDF: 104.9/115

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1671.741+/-0.264 χ^2/NDF: 326160.5/31

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1672.899+/-0.259 χ^2/NDF: 298989.7/35

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

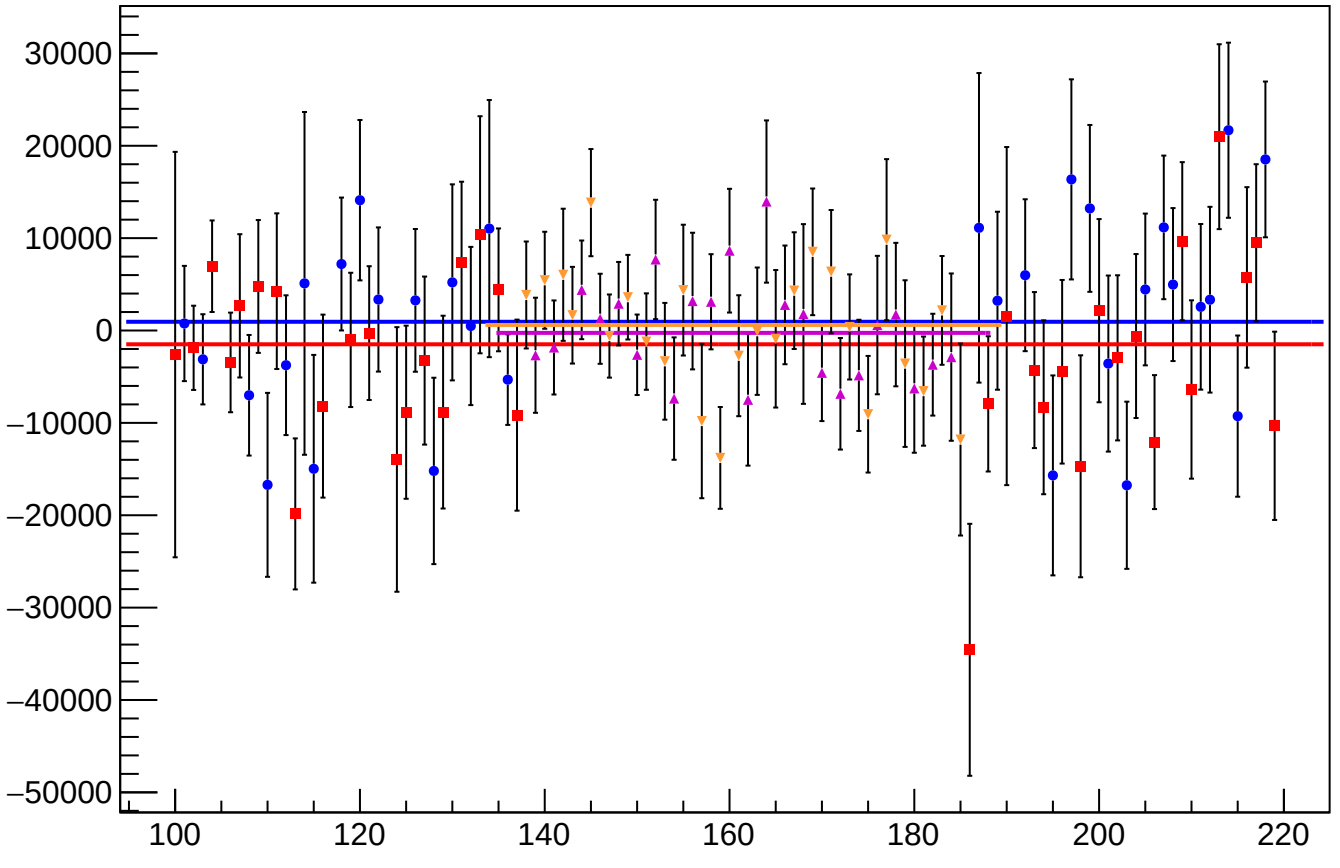
Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

Right: 1672.332+/-0.185 χ^2/NDF: 625160.0/67

In: 1628.504+/-0.186 χ^2/NDF:421295.5/54

Out: 1632.789+/-0.182 χ^2/NDF:418577.1/60

All: 1630.693+/-0.130 χ^2/NDF: 840143.8/115



Right In: 945.511+/-1472.338 χ^2/NDF: 39.4/31

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -1491.182+/-1387.893 χ^2/NDF: 36.1/35

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

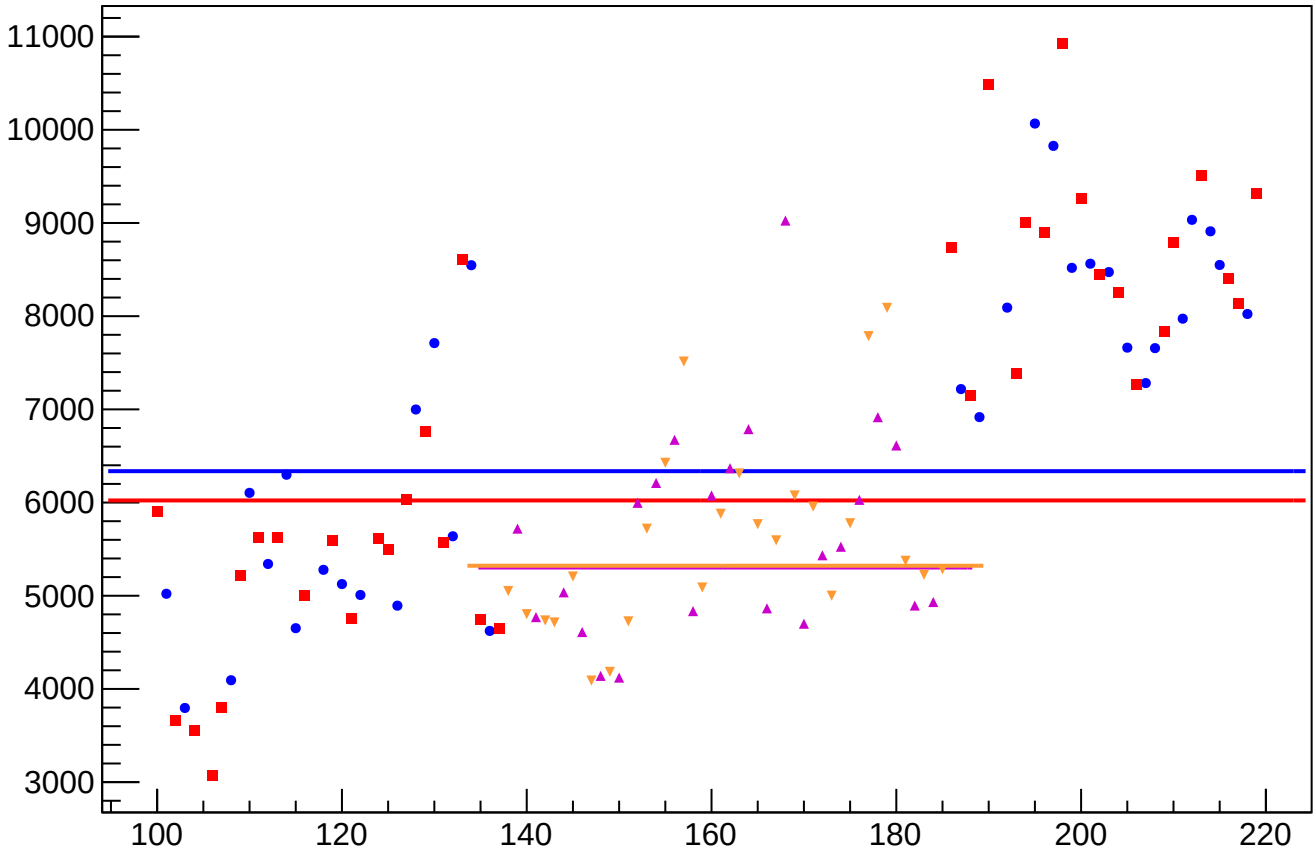
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -344.714+/-1009.923 χ^2/NDF: 76.9/67

In: 253.210+/-958.449 χ^2/NDF:54.4/54

Out: -321.884+/-922.014 χ^2/NDF:63.4/60

All: -45.476+/-664.470 χ^2/NDF: 118.0/115



Right In: 6336.913+/-1.041 χ^2/NDF: 3085643.7/31

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 6022.568+/-0.981 χ^2/NDF: 4622871.7/35

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

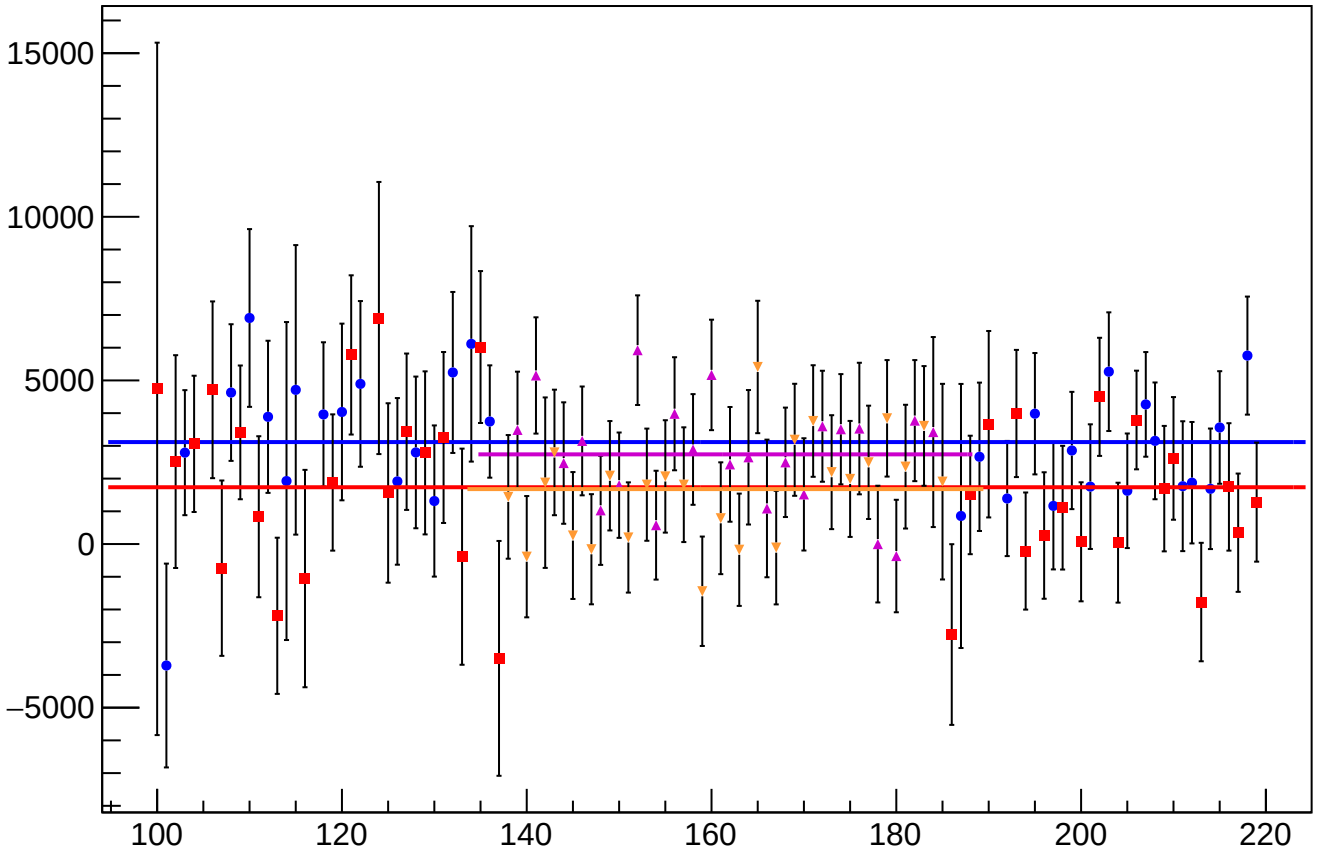
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 6170.468+/-0.714 χ^2/NDF: 7756787.1/67

In: 5741.047+/-0.678 χ^2/NDF:4806494.5/54

Out: 5631.157+/-0.652 χ^2/NDF:5944608.1/60

All: 5683.974+/-0.470 χ^2/NDF: 10764757.4/1



Right In: 3115.980+/-373.428 χ^2/NDF: 20.2/31

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 1735.764+/-365.751 χ^2/NDF: 35.0/35

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

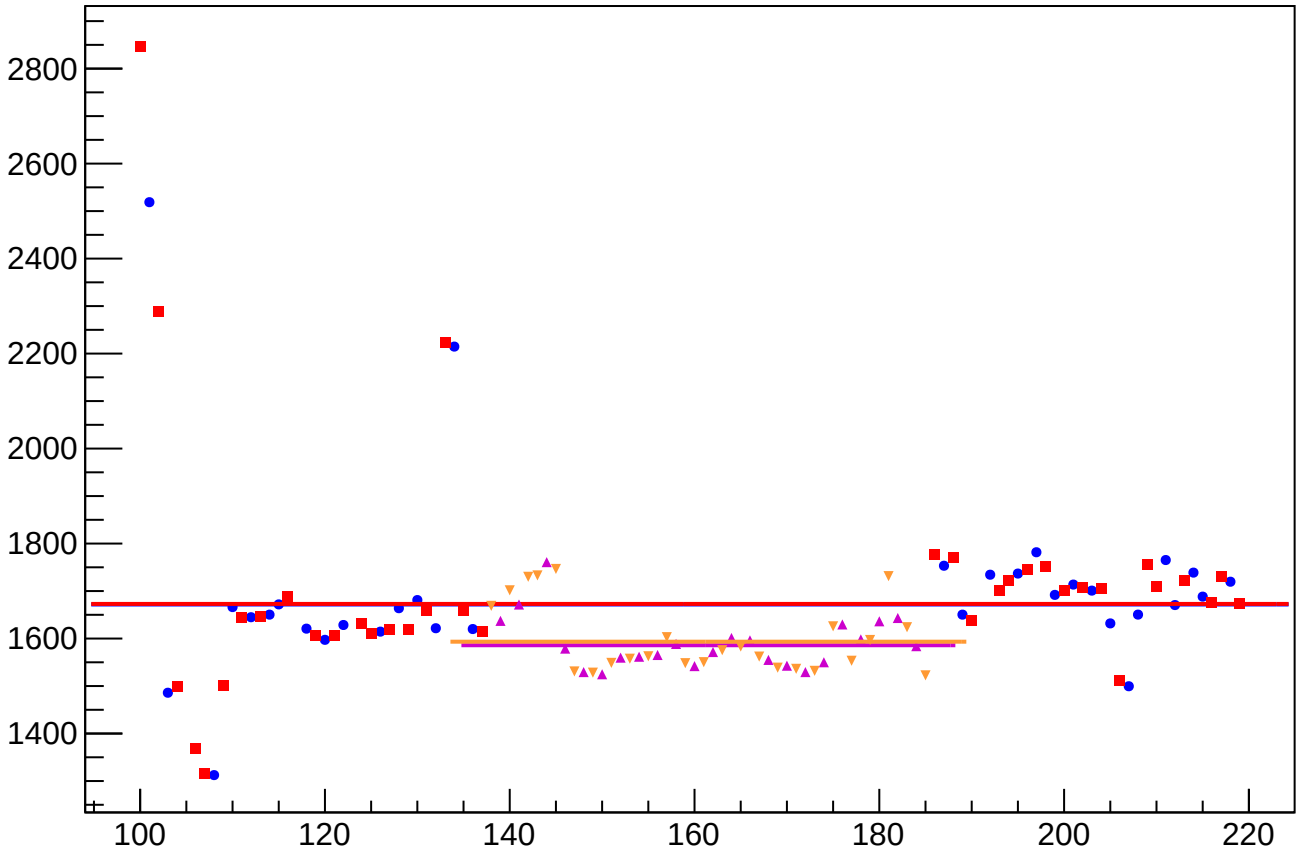
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2411.540+/-261.297 χ^2/NDF: 62.2/67

In: 2926.899+/-263.049 χ^2/NDF:39.9/54

Out: 1707.199+/-257.429 χ^2/NDF:54.0/60

All: 2303.880+/-183.985 χ^2/NDF: 104.9/115



Right In: 1671.740+/-0.264 χ^2/NDF: 326160.8/31

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1672.899+/-0.259 χ^2/NDF: 298989.7/35

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

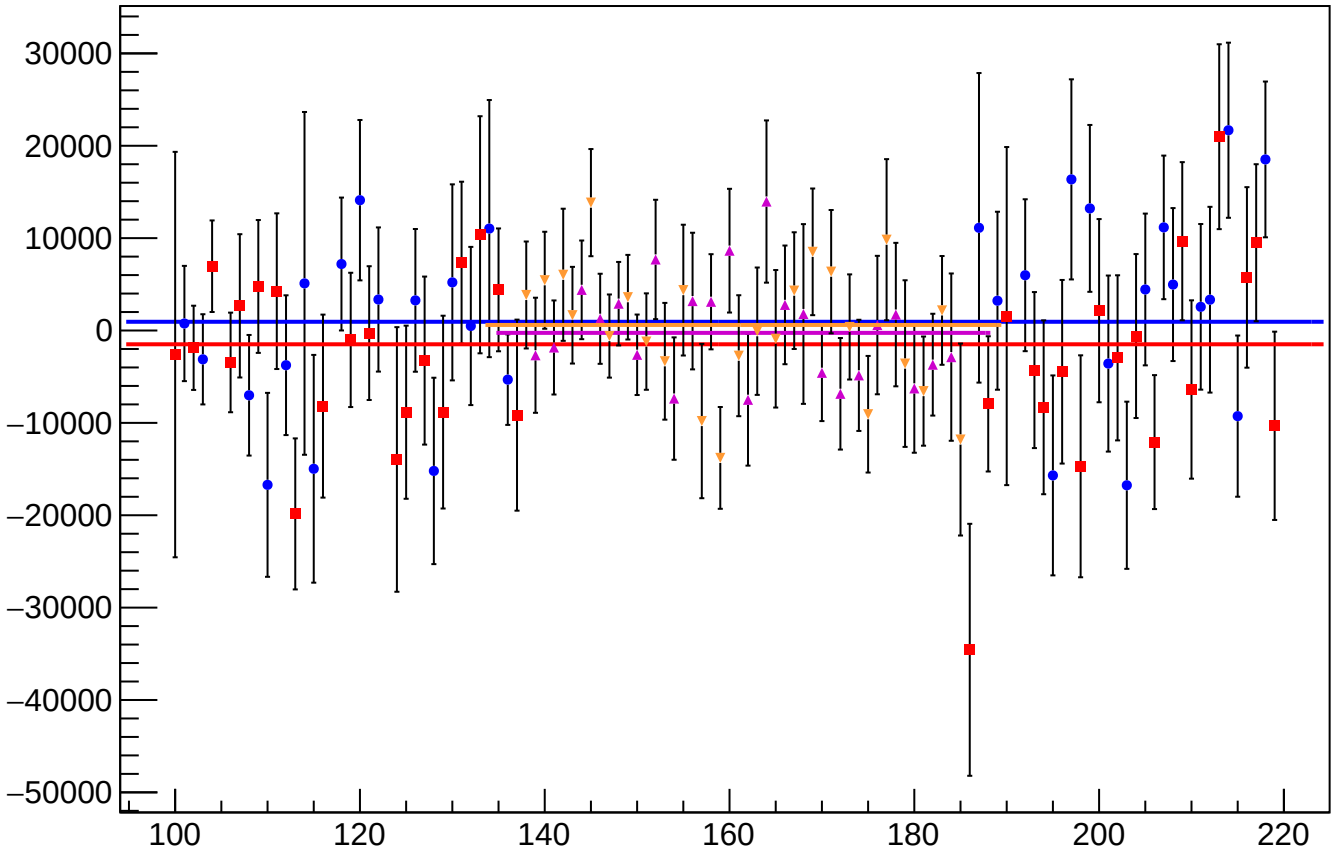
Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

Right: 1672.332+/-0.185 χ^2/NDF: 625160.4/67

In: 1628.504+/-0.186 χ^2/NDF:421294.1/54

Out: 1632.790+/-0.182 χ^2/NDF:418575.9/60

All: 1630.693+/-0.130 χ^2/NDF: 840141.1/115



Right In: 945.515+/-1472.338 χ^2/NDF: 39.4/31

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: -1491.179+/-1387.892 χ^2/NDF: 36.1/35

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

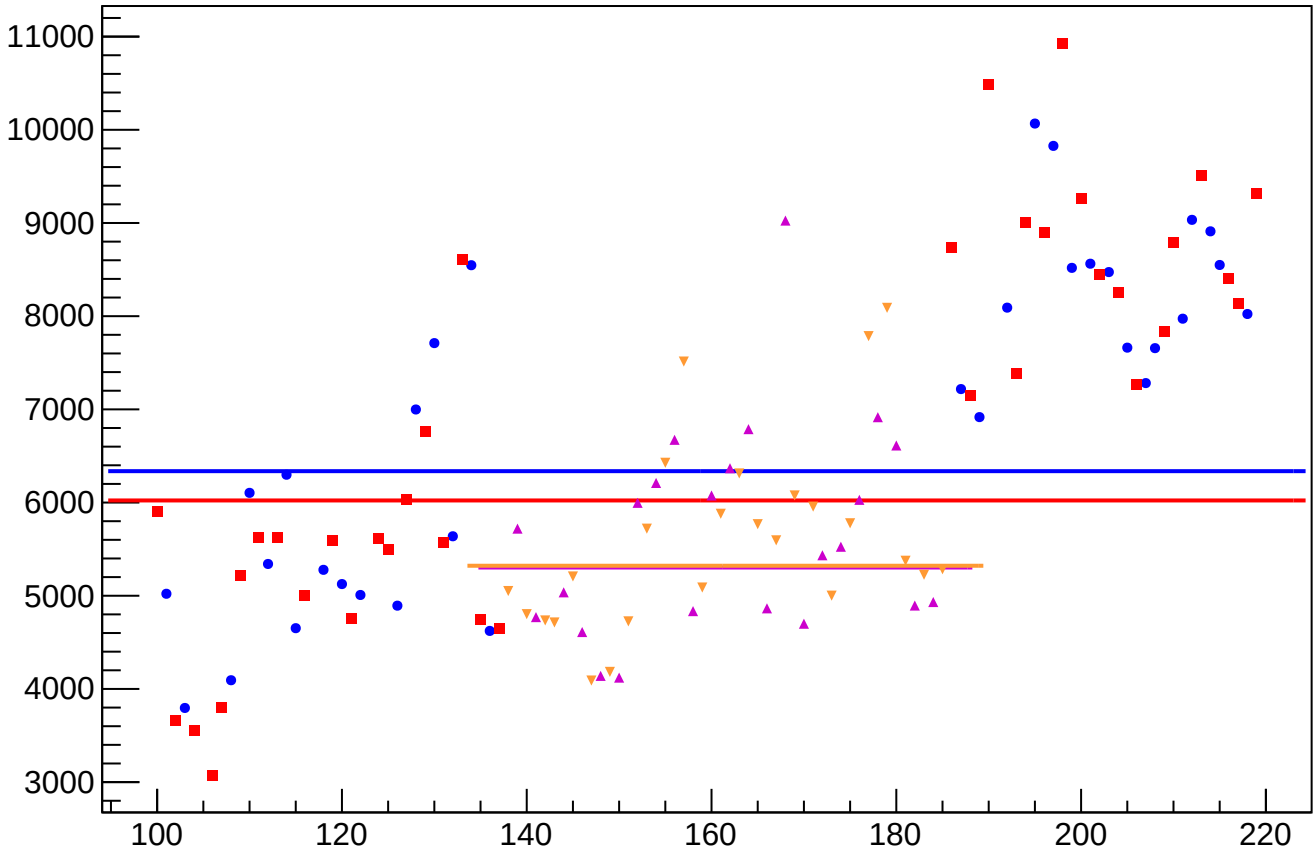
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -344.710+/-1009.923 χ^2/NDF: 76.9/67

In: 253.212+/-958.450 χ^2/NDF:54.4/54

Out: -321.887+/-922.015 χ^2/NDF:63.4/60

All: -45.476+/-664.470 χ^2/NDF: 118.0/115



Right In: 6336.910+/-1.041 χ^2/NDF: 3085662.1/31

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 6022.563+/-0.981 χ^2/NDF: 4622892.9/35

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

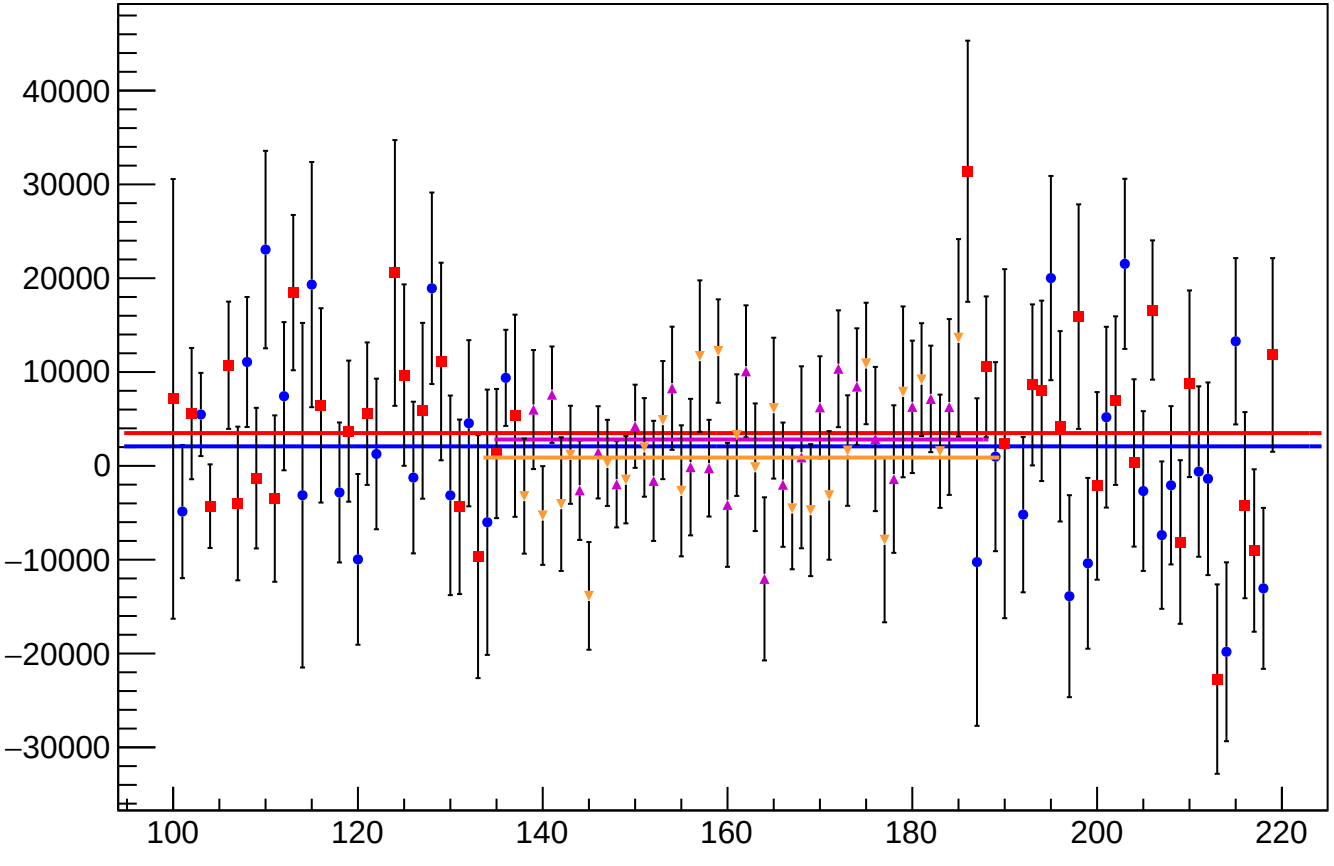
Right: 6170.464+/-0.714 χ^2/NDF: 7756827.2/67

In: 5741.052+/-0.678 χ^2/NDF:4806502.4/54

Out: 5631.161+/-0.652 χ^2/NDF:5944619.4/60

All: 5683.978+/-0.470 χ^2/NDF: 10764776.8/1

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 2079.938+/-1501.645 χ^2/NDF: 42.2/31

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 3494.147+/-1461.684 χ^2/NDF: 36.4/35

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

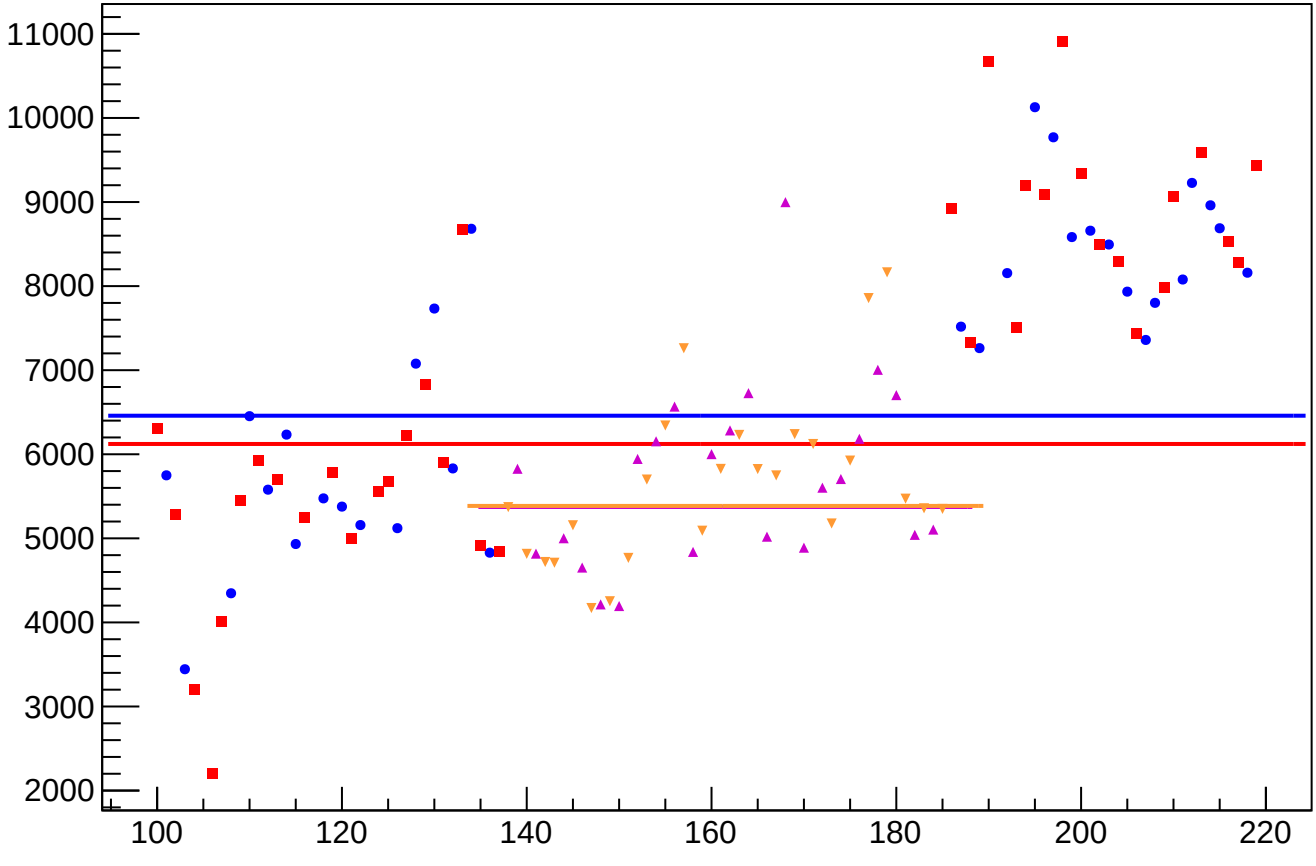
Right: 2806.111+/-1047.409 χ^2/NDF: 79.0/67

In: 2503.954+/-972.903 χ^2/NDF:57.1/54

Out: 1983.839+/-948.453 χ^2/NDF:63.9/60

All: 2237.279+/-679.137 χ^2/NDF: 121.1/115

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 6458.546+/-1.062 χ^2/NDF: 3176133.7/31

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 6122.424+/-1.009 χ^2/NDF: 5142097.8/35

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

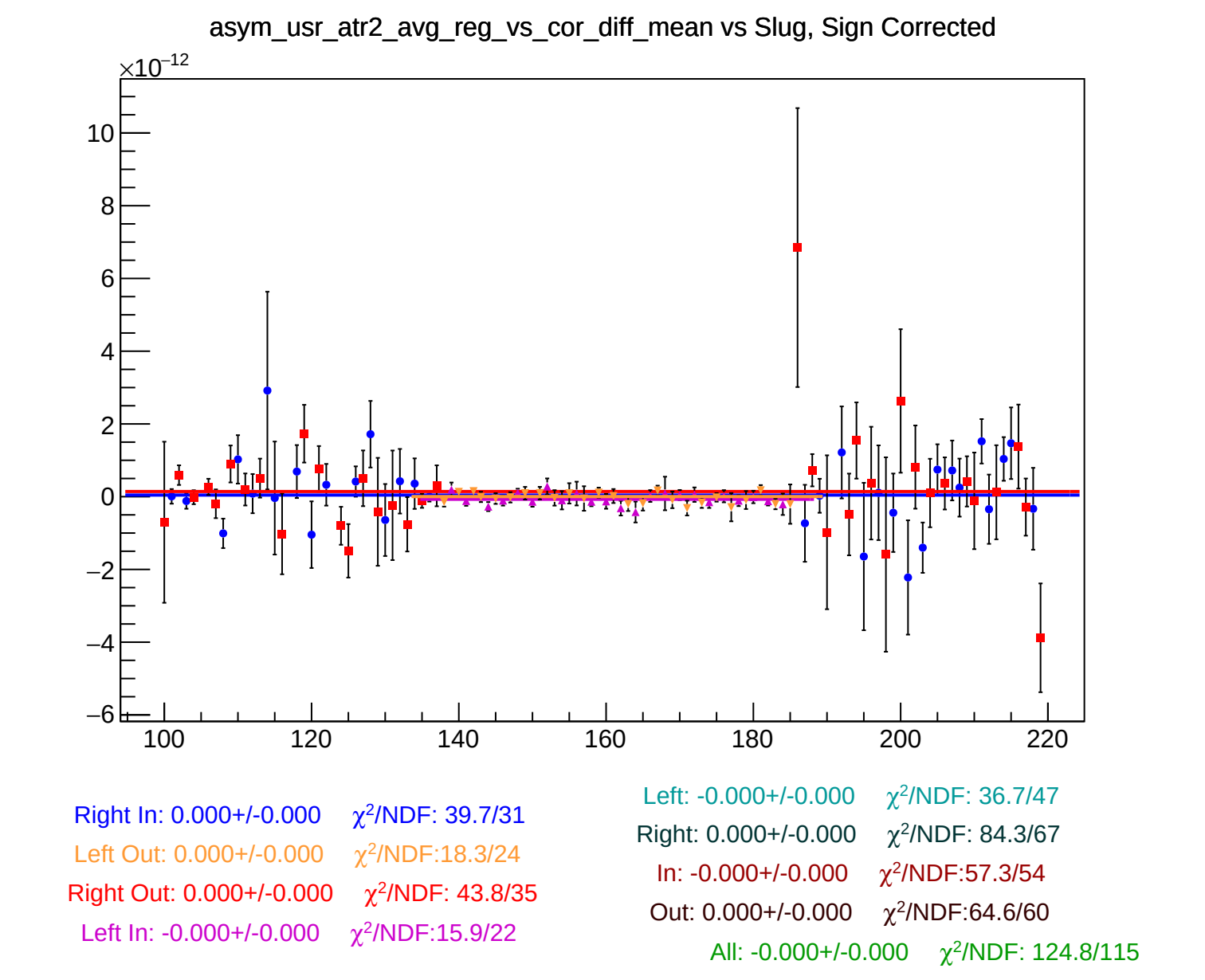
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

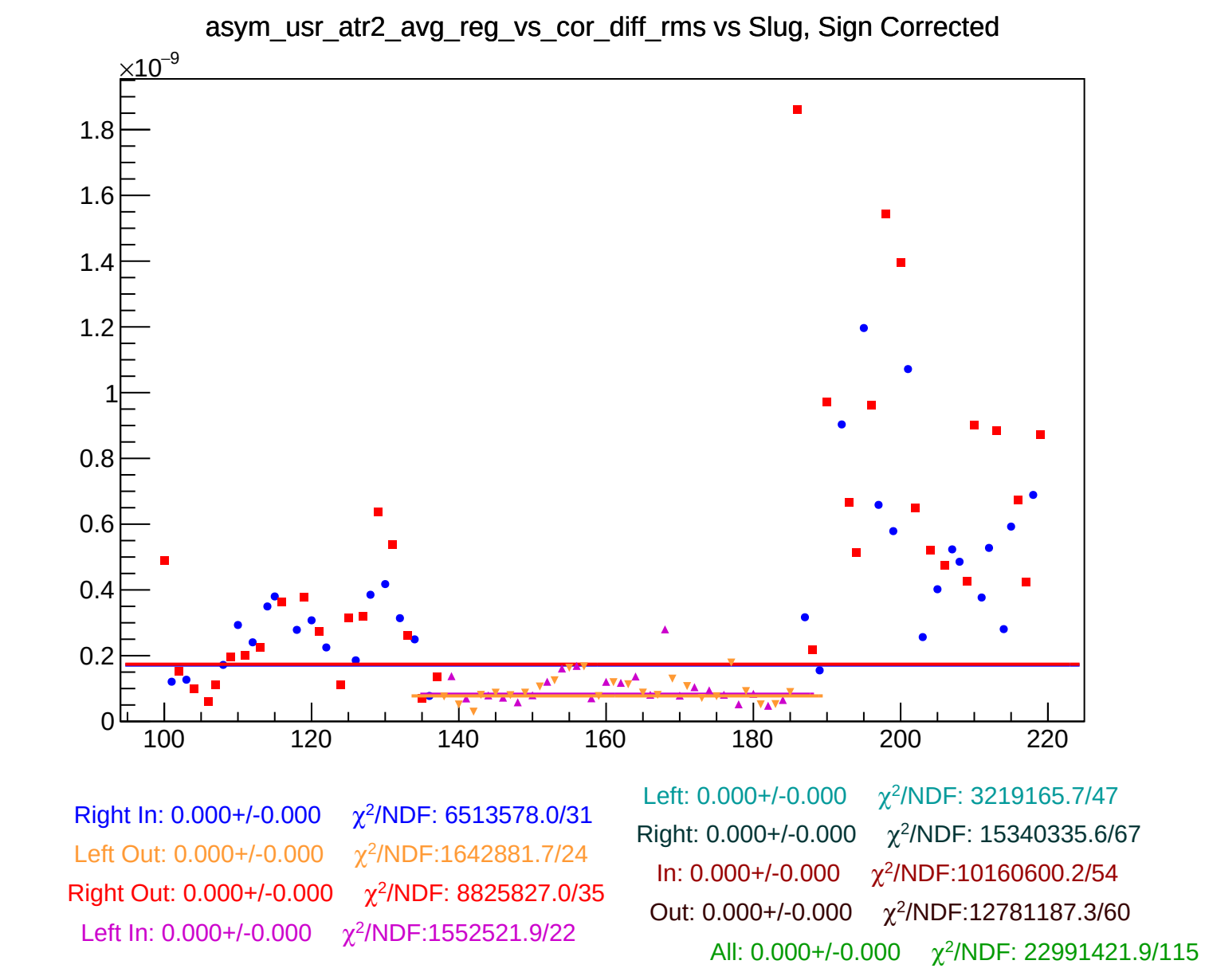
Right: 6281.942+/-0.731 χ^2/NDF: 8370880.8/67

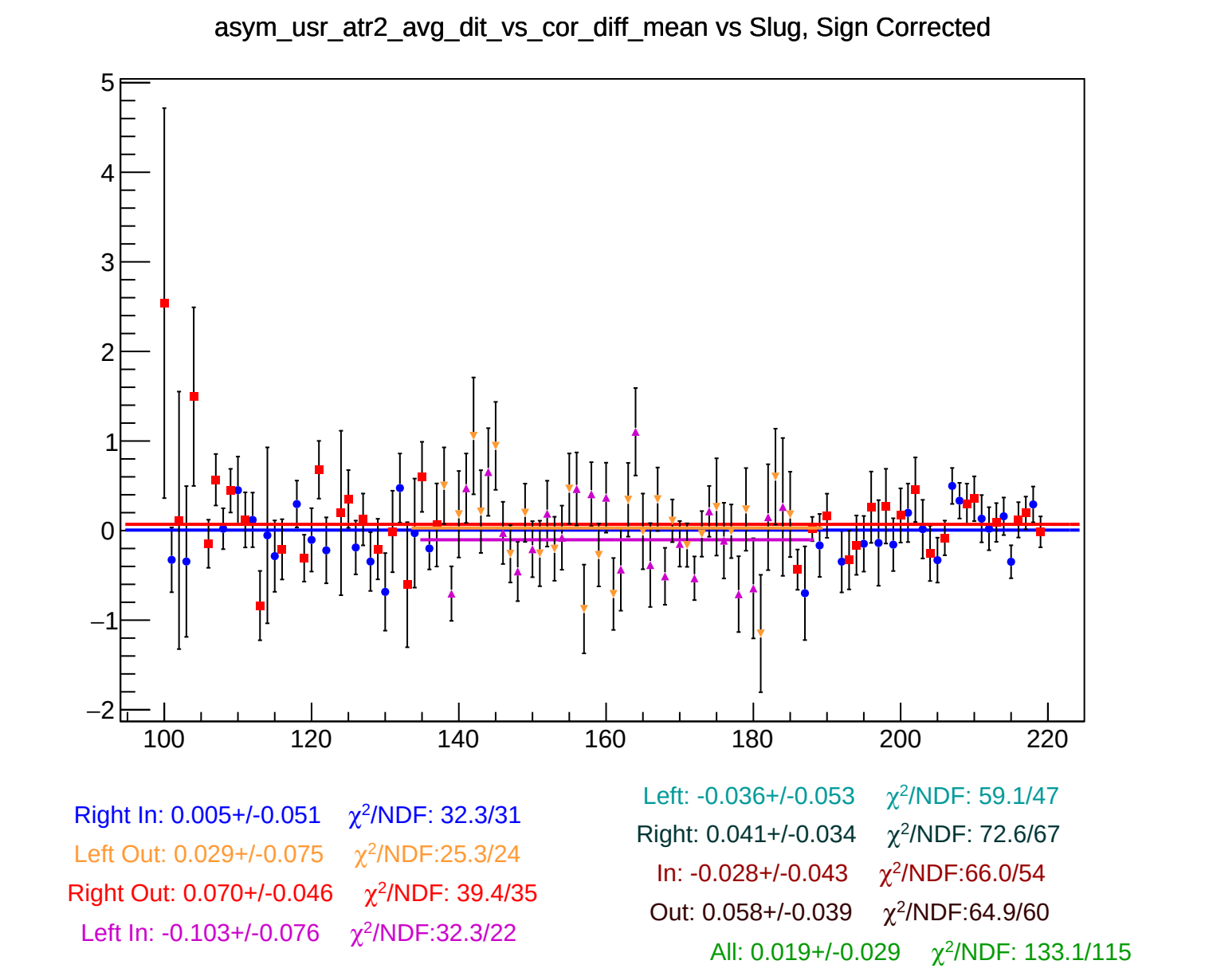
In: 5828.595+/-0.688 χ^2/NDF:4854555.9/54

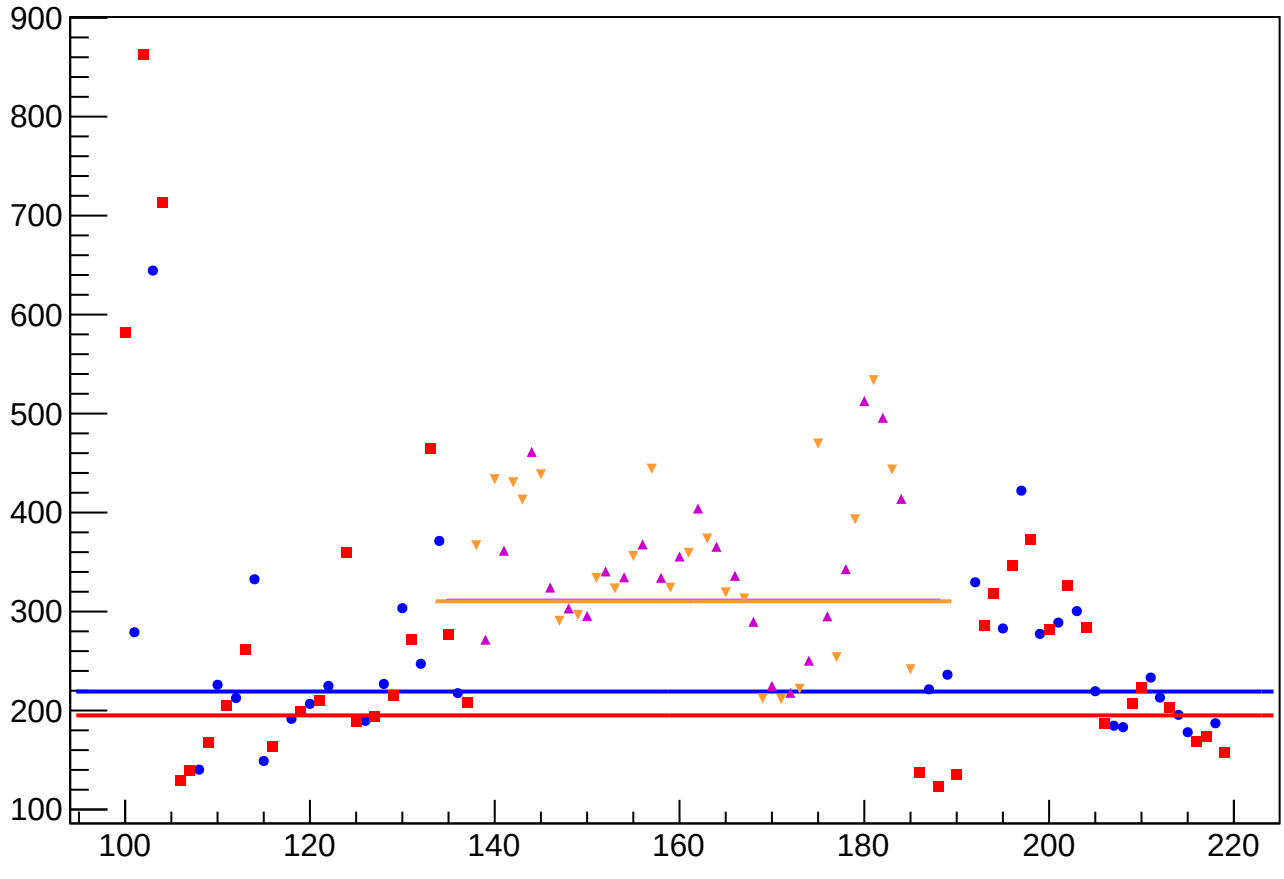
Out: 5704.482+/-0.664 χ^2/NDF:6431554.8/60

All: 5764.327+/-0.478 χ^2/NDF: 11302964.8/1


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: 39.7/31
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 43.8/35
Left In: -0.000+/-0.000 χ²/NDF:15.9/22
Left: -0.000+/-0.000 χ²/NDF: 36.7/47
Right: 0.000+/-0.000 χ²/NDF: 84.3/67
In: -0.000+/-0.000 χ²/NDF:57.3/54
Out: 0.000+/-0.000 χ²/NDF:64.6/60
All: -0.000+/-0.000 χ²/NDF: 124.8/115


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: 6513578.0/31
Left Out: 0.000+/-0.000 χ²/NDF:1642881.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 8825827.0/35
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: 15340335.6/67
In: 0.000+/-0.000 χ²/NDF:10160600.2/54
Out: 0.000+/-0.000 χ²/NDF:12781187.3/60
All: 0.000+/-0.000 χ²/NDF: 22991421.9/115


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.005+/-0.051 χ²/NDF: 32.3/31
Left Out: 0.029+/-0.075 χ²/NDF:25.3/24
Right Out: 0.070+/-0.046 χ²/NDF: 39.4/35
Left In: -0.103+/-0.076 χ²/NDF:32.3/22
Left: -0.036+/-0.053 χ²/NDF: 59.1/47
Right: 0.041+/-0.034 χ²/NDF: 72.6/67
In: -0.028+/-0.043 χ²/NDF:66.0/54
Out: 0.058+/-0.039 χ²/NDF:64.9/60
All: 0.019+/-0.029 χ²/NDF: 133.1/115



Right In: 219.173+/-0.036 χ^2/NDF: 2409007.6/31

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 195.075+/-0.033 χ^2/NDF: 4552372.9/35

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

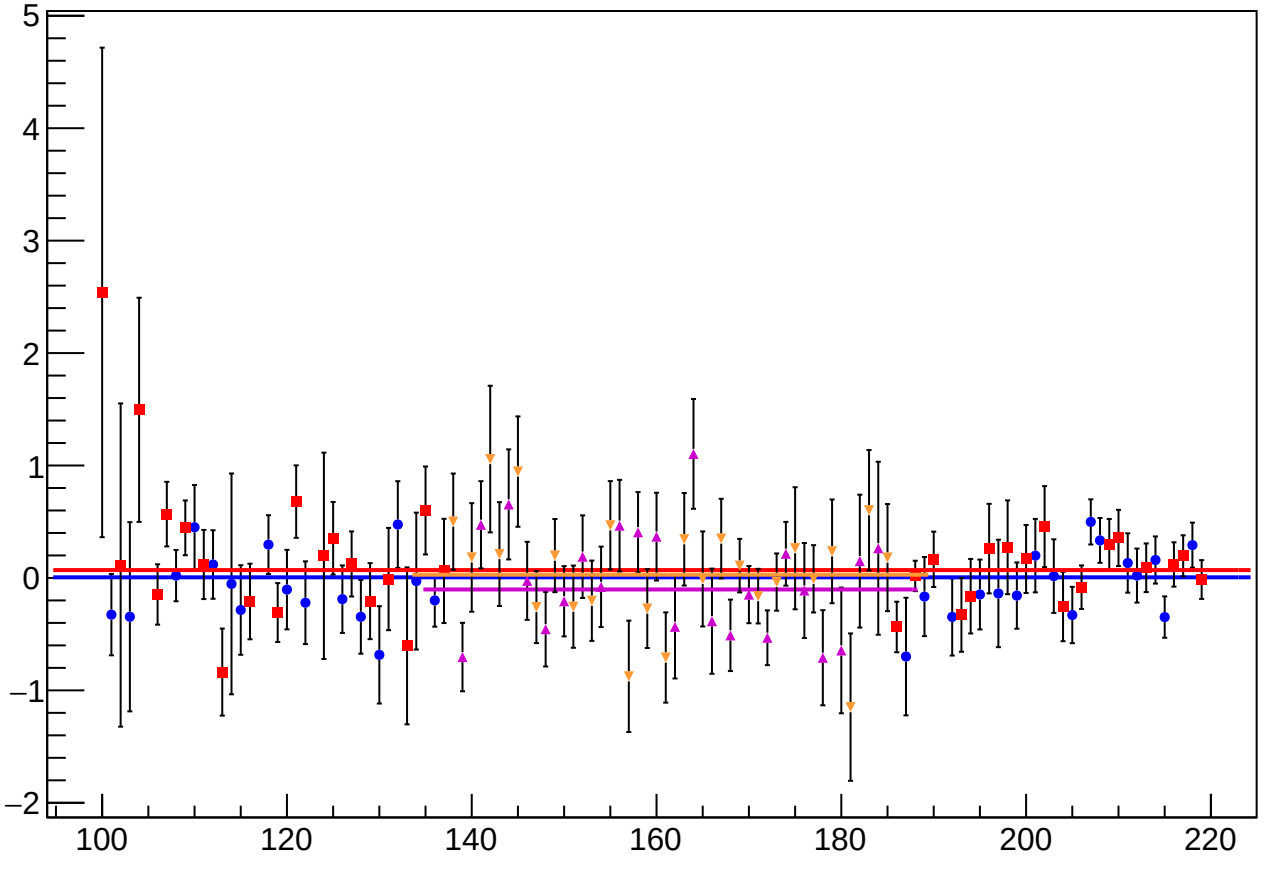
Right: 205.833+/-0.024 χ^2/NDF: 7203809.1/67

In: 247.925+/-0.030 χ^2/NDF:5999485.3/54

Out: 227.040+/-0.028 χ^2/NDF:10361208.0/60

All: 236.628+/-0.020 χ^2/NDF: 16619771.1/11

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.051 χ^2/NDF: 32.3/31

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.070+/-0.046 χ^2/NDF: 39.4/35

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

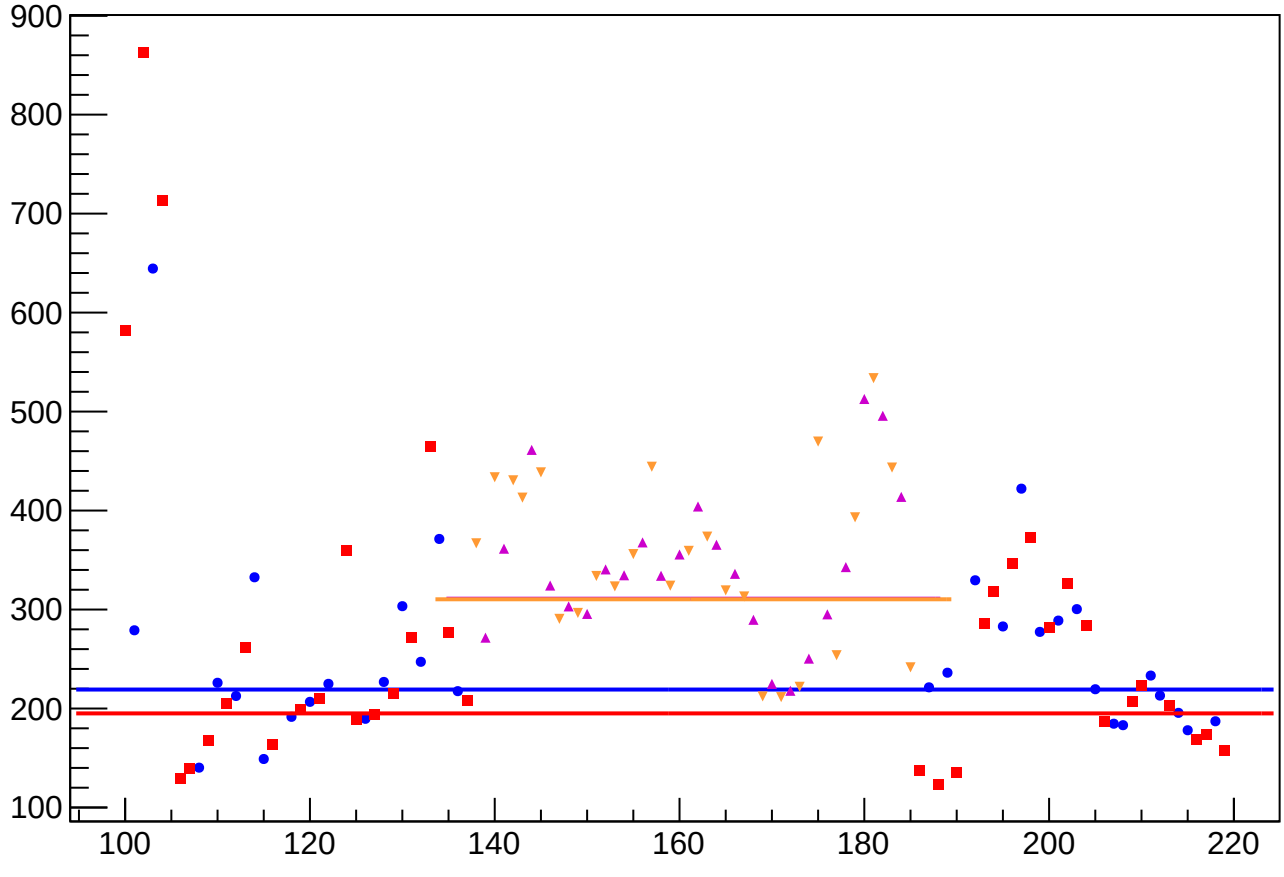
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.041+/-0.034 χ^2/NDF: 72.6/67

In: -0.028+/-0.043 χ^2/NDF:66.0/54

Out: 0.058+/-0.039 χ^2/NDF:64.9/60

All: 0.019+/-0.029 χ^2/NDF: 133.1/115



Right In: 219.173+/-0.036 χ^2/NDF: 2409007.6/31

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 195.075+/-0.033 χ^2/NDF: 4552372.9/35

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

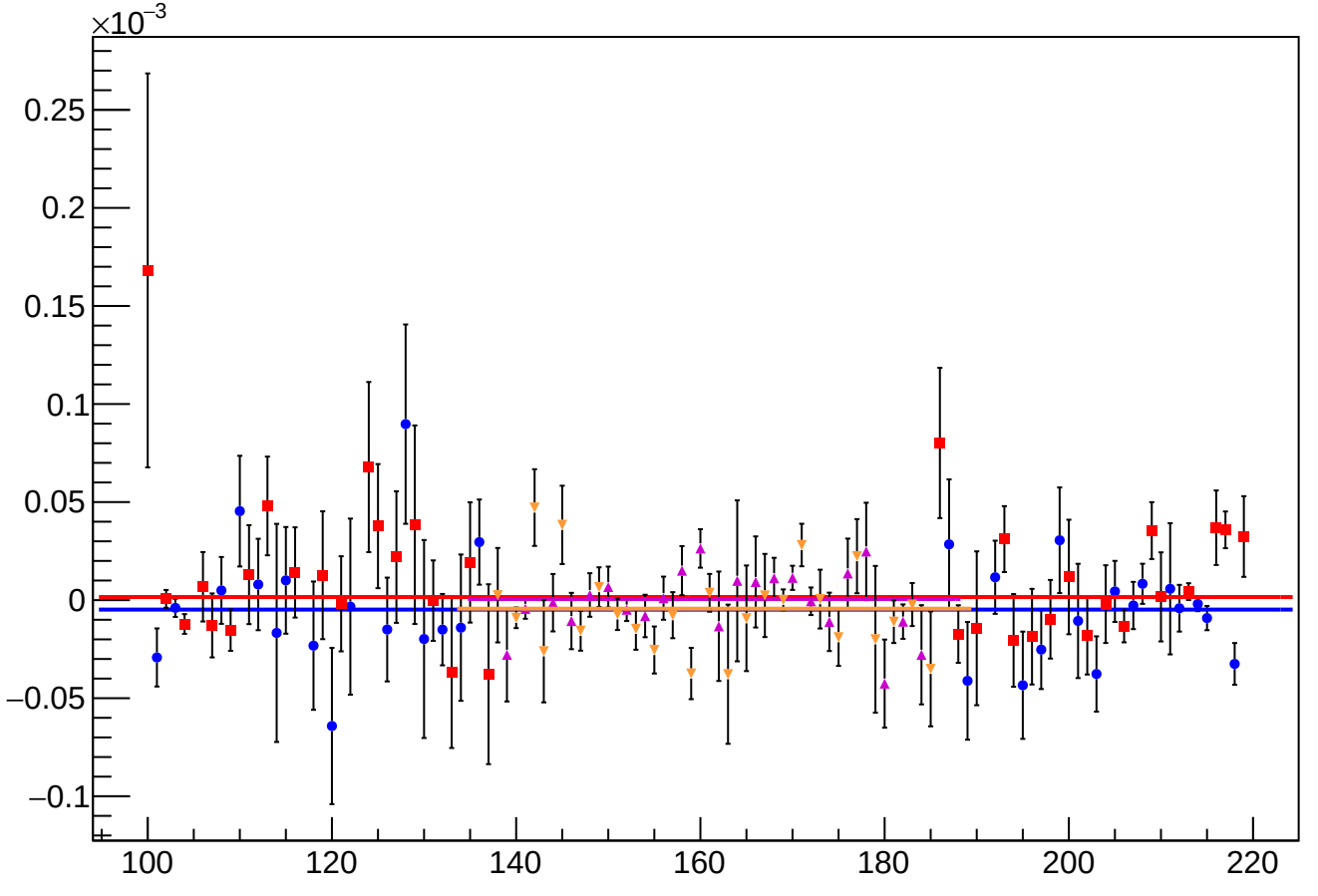
Right: 205.833+/-0.024 χ^2/NDF: 7203809.1/67

In: 247.925+/-0.030 χ^2/NDF:5999485.3/54

Out: 227.040+/-0.028 χ^2/NDF:10361208.0/60

All: 236.628+/-0.020 χ^2/NDF: 16619771.1/11

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 37.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 64.7/35

Left In: 0.000+/-0.000 χ^2/NDF:26.6/22

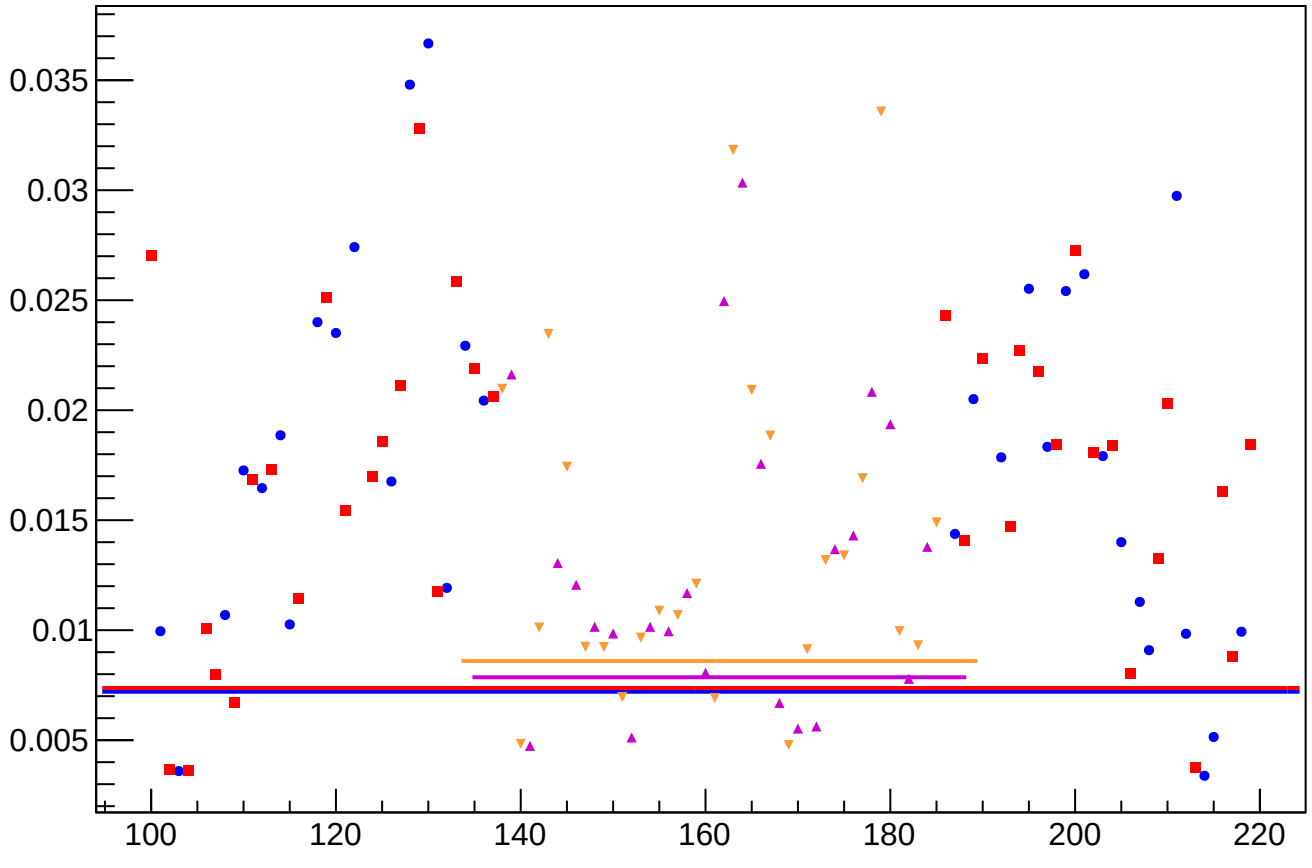
Left: -0.000+/-0.000 χ^2/NDF: 71.4/47

Right: -0.000+/-0.000 χ^2/NDF: 106.3/67

In: -0.000+/-0.000 χ^2/NDF:66.8/54

Out: -0.000+/-0.000 χ^2/NDF:110.7/60

All: -0.000+/-0.000 χ^2/NDF: 177.7/115



Right In: 0.007+/-0.000 χ^2/NDF: 15321312.1/31

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.007+/-0.000 χ^2/NDF: 15656523.3/35

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

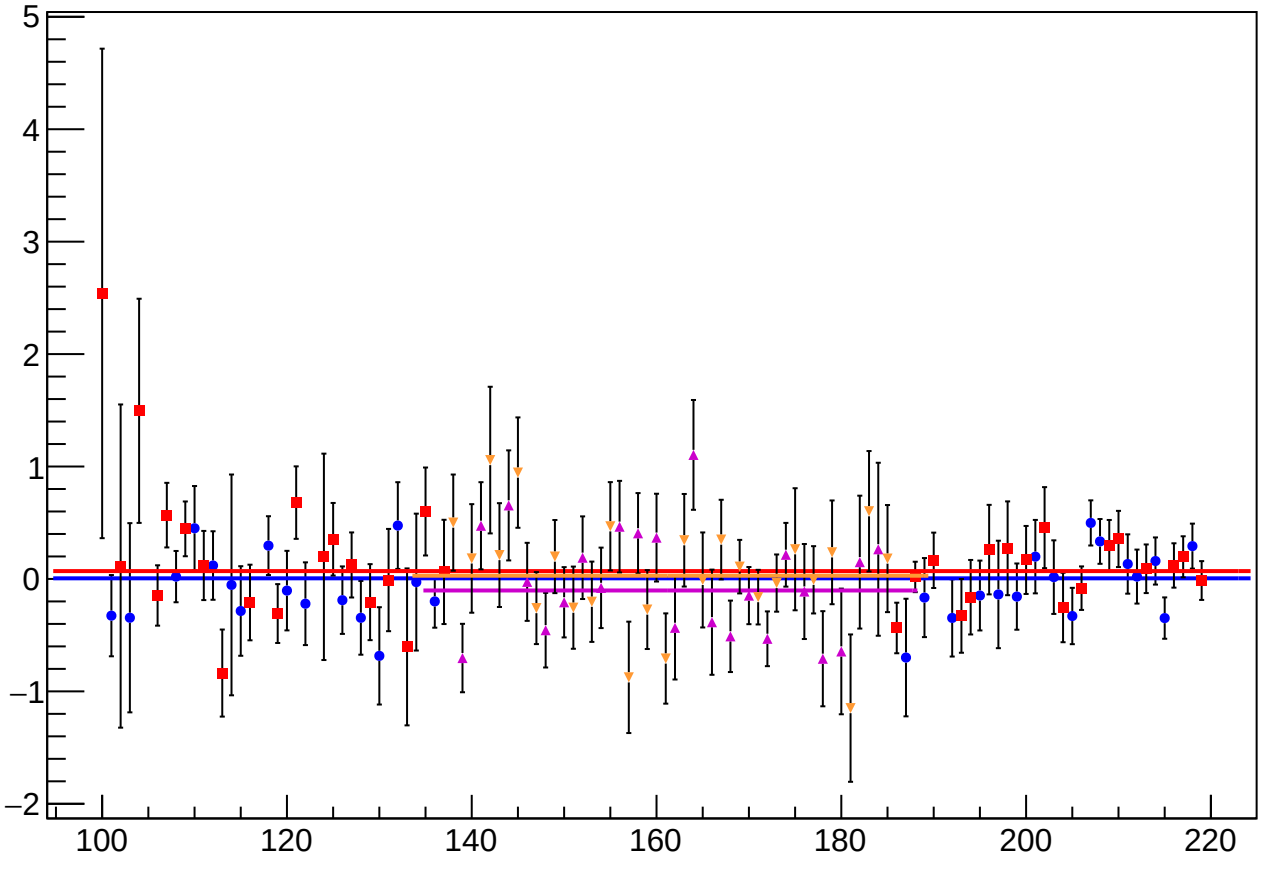
Right: 0.007+/-0.000 χ^2/NDF: 30984267.1/67

In: 0.008+/-0.000 χ^2/NDF:22195563.2/54

Out: 0.008+/-0.000 χ^2/NDF:23633036.9/60

All: 0.008+/-0.000 χ^2/NDF: 45900498.5/115

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.051 χ^2/NDF: 32.3/31

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.070+/-0.046 χ^2/NDF: 39.4/35

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

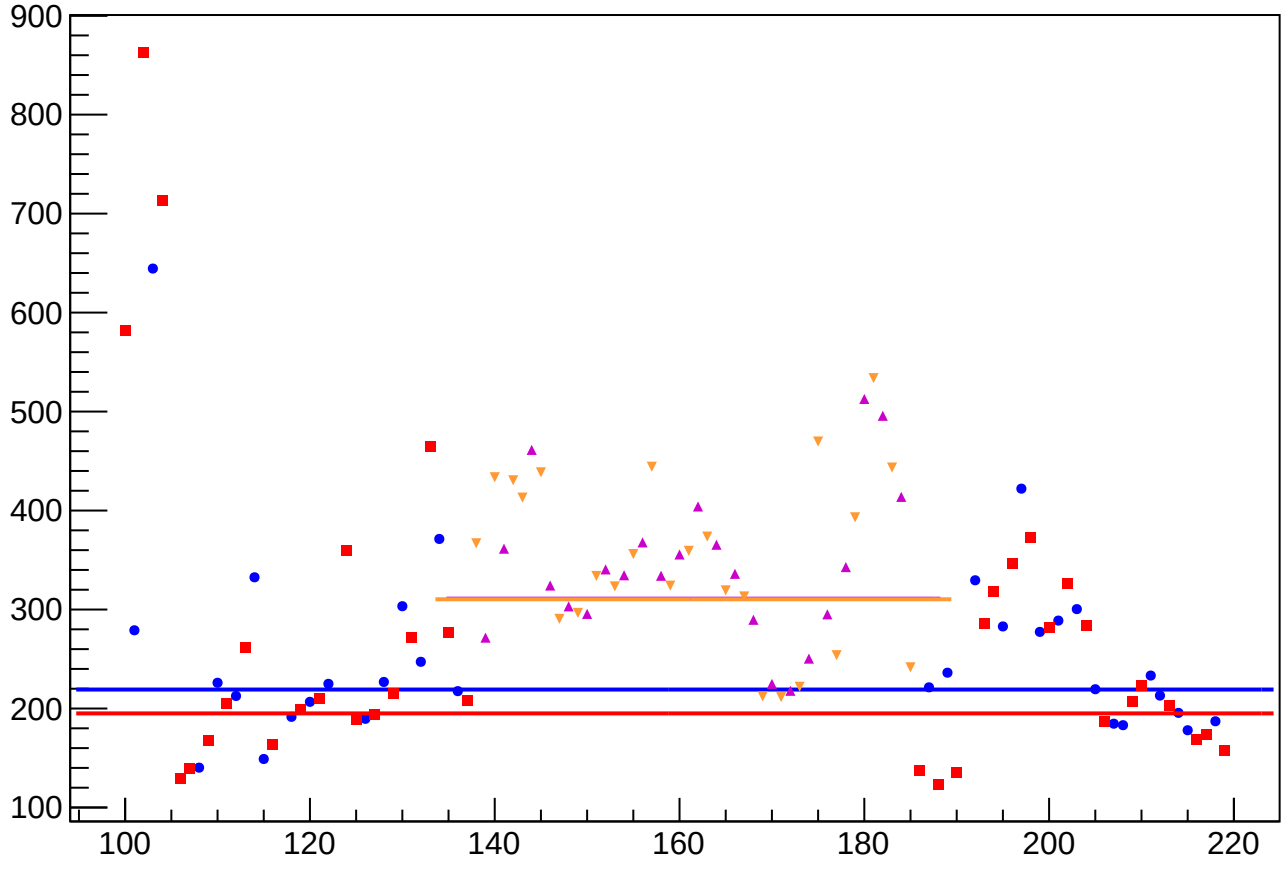
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.041+/-0.034 χ^2/NDF: 72.6/67

In: -0.028+/-0.043 χ^2/NDF:66.0/54

Out: 0.058+/-0.039 χ^2/NDF:64.9/60

All: 0.019+/-0.029 χ^2/NDF: 133.1/115



Right In: 219.173+/-0.036 χ^2/NDF: 2409007.2/31

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 195.073+/-0.033 χ^2/NDF: 4552487.7/35

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

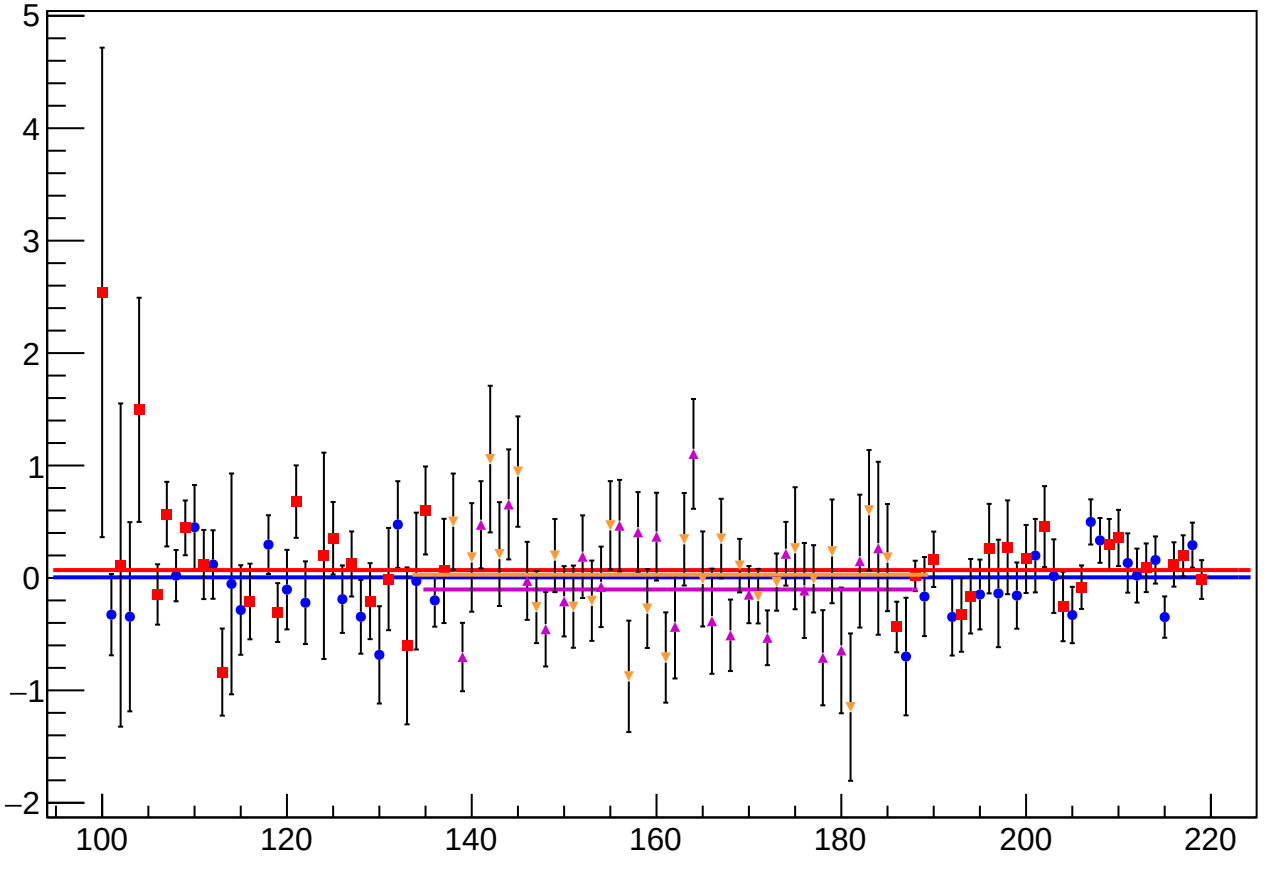
Right: 205.832+/-0.024 χ^2/NDF: 7203949.3/67

In: 247.925+/-0.030 χ^2/NDF:5999653.2/54

Out: 227.039+/-0.028 χ^2/NDF:10361632.6/60

All: 236.628+/-0.020 χ^2/NDF: 16620396.0/11

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.051 χ^2/NDF: 32.3/31

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.070+/-0.046 χ^2/NDF: 39.4/35

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

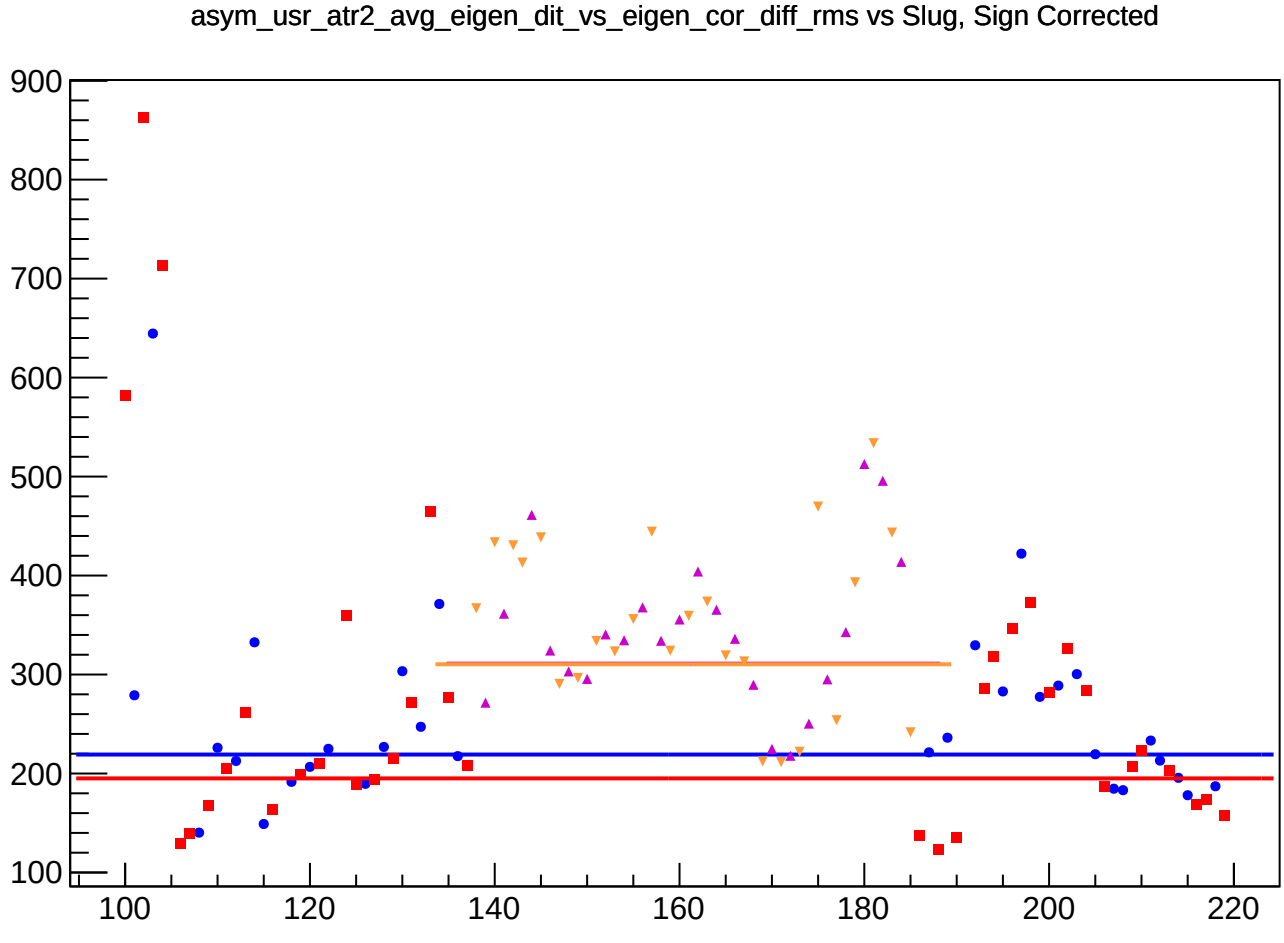
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.041+/-0.034 χ^2/NDF: 72.6/67

In: -0.028+/-0.043 χ^2/NDF:66.0/54

Out: 0.058+/-0.039 χ^2/NDF:64.9/60

All: 0.019+/-0.029 χ^2/NDF: 133.1/115



Right In: 219.173+/-0.036 χ^2/NDF: 2409007.2/31

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 195.073+/-0.033 χ^2/NDF: 4552487.7/35

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

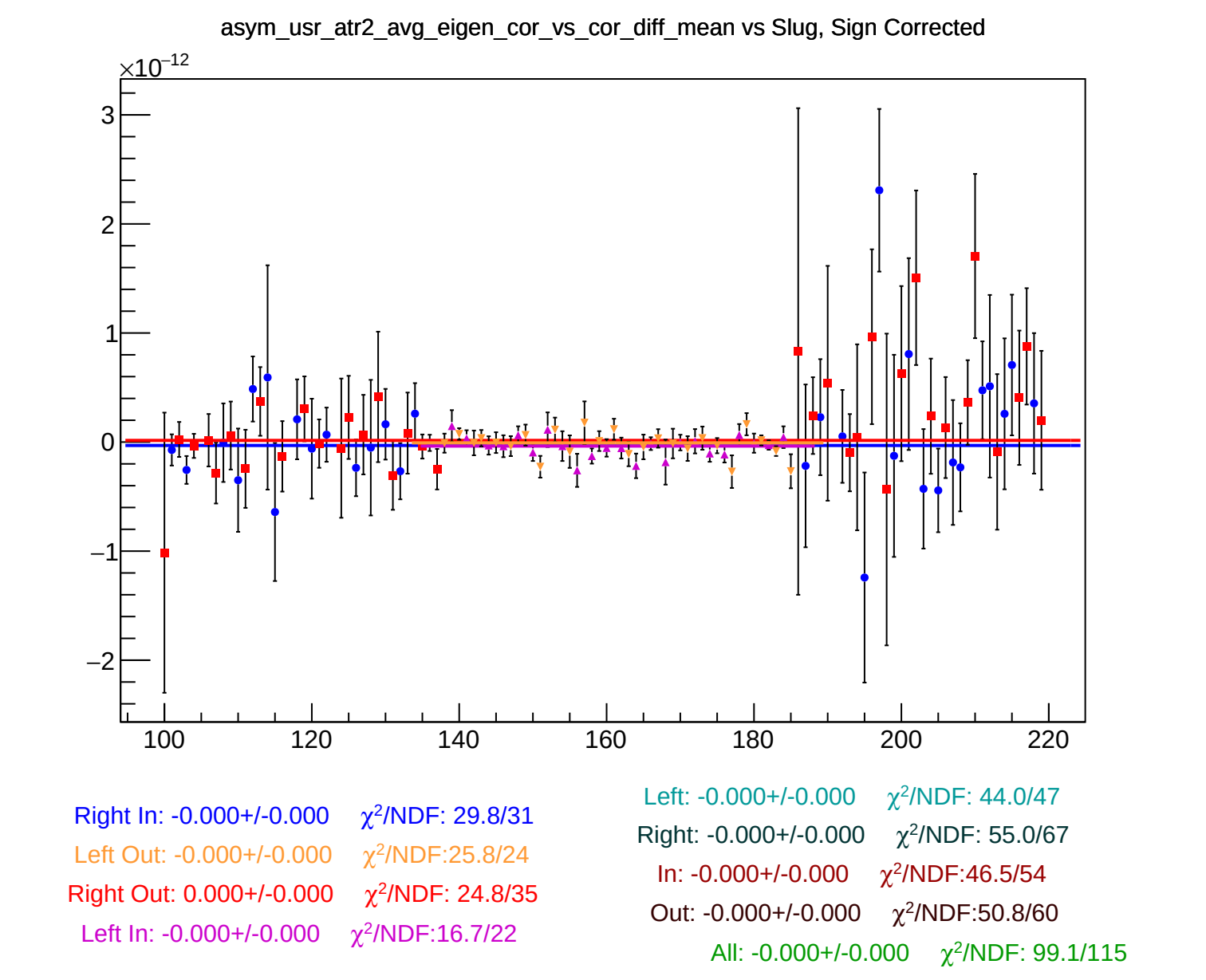
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

Right: 205.832+/-0.024 χ^2/NDF: 7203949.3/67

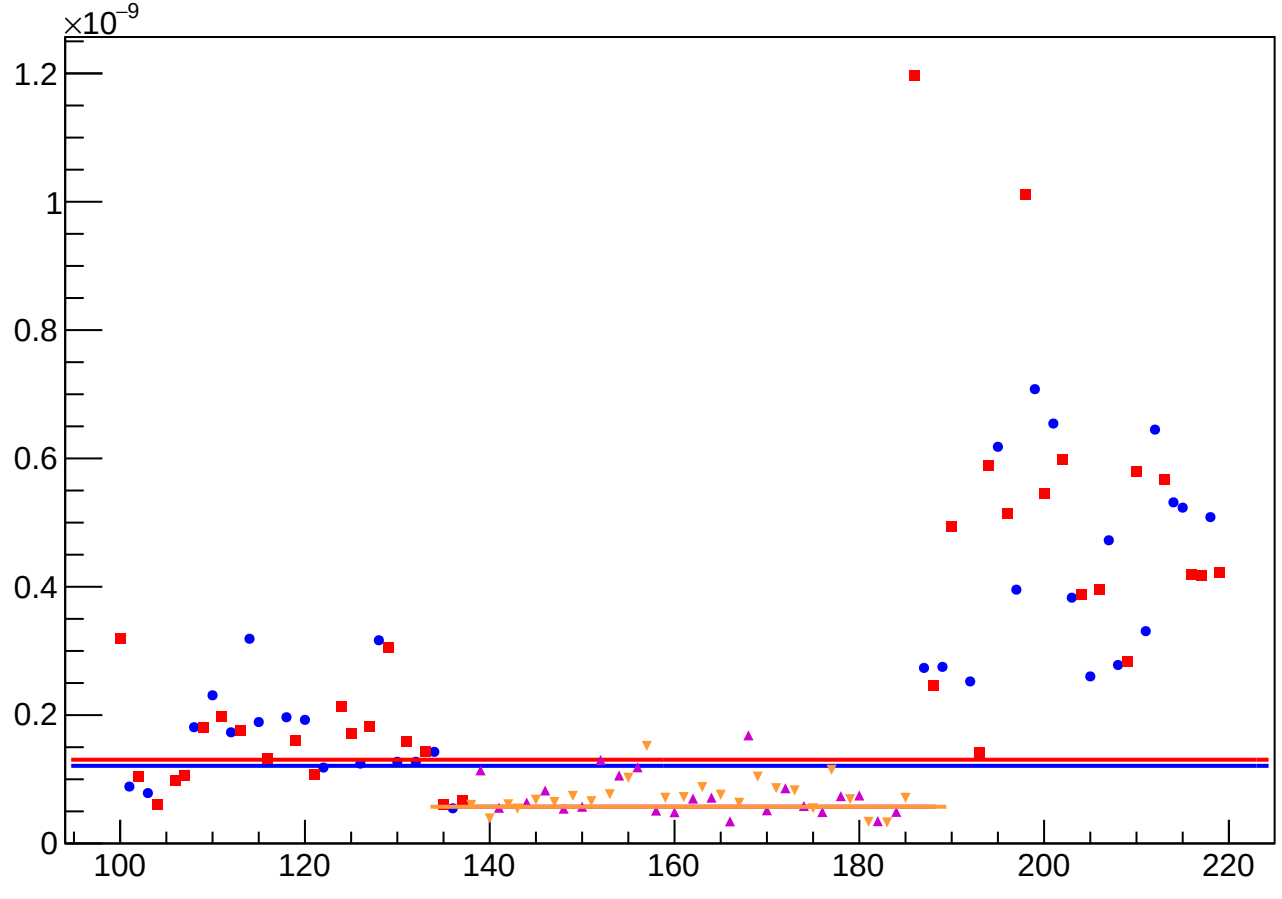
In: 247.925+/-0.030 χ^2/NDF:5999653.2/54

Out: 227.039+/-0.028 χ^2/NDF:10361632.6/60

All: 236.628+/-0.020 χ^2/NDF: 16620396.0/11


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: 29.8/31
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 24.8/35
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: 55.0/67
In: -0.000+/-0.000 χ²/NDF:46.5/54
Out: -0.000+/-0.000 χ²/NDF:50.8/60
All: -0.000+/-0.000 χ²/NDF: 99.1/115

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10562240.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10725358.3/35

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

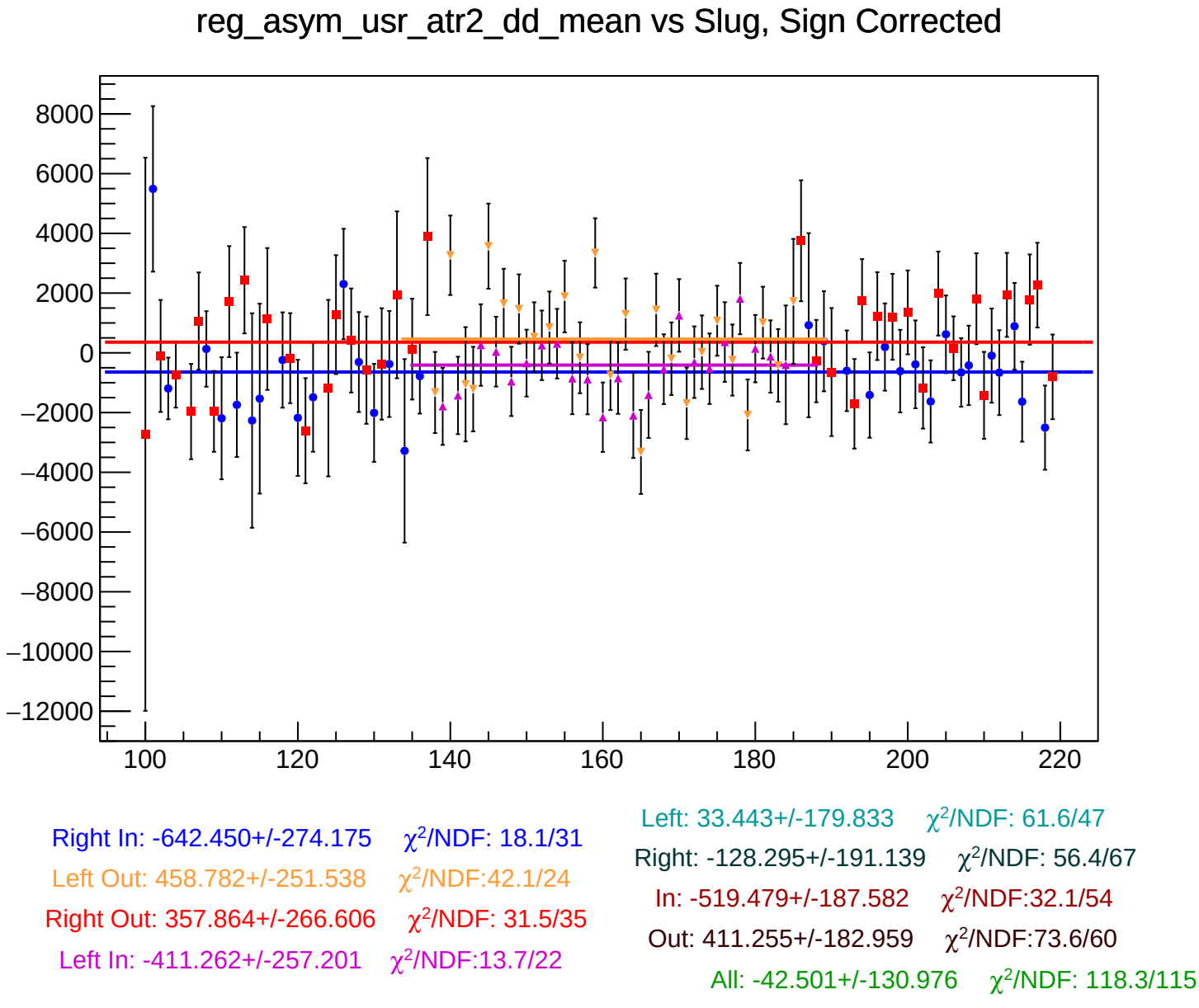
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

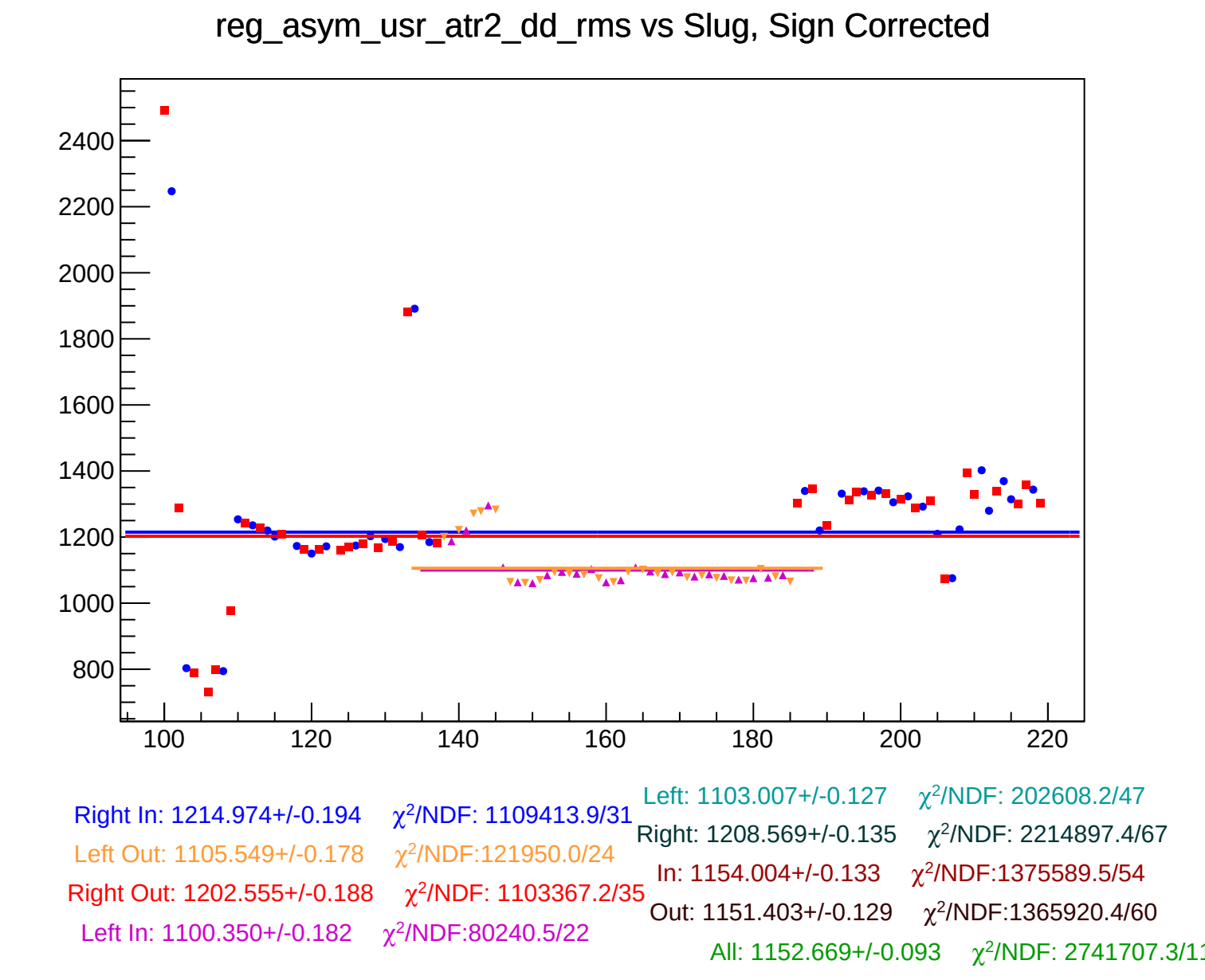
Right: 0.000+/-0.000 χ^2/NDF: 21327044.1/67

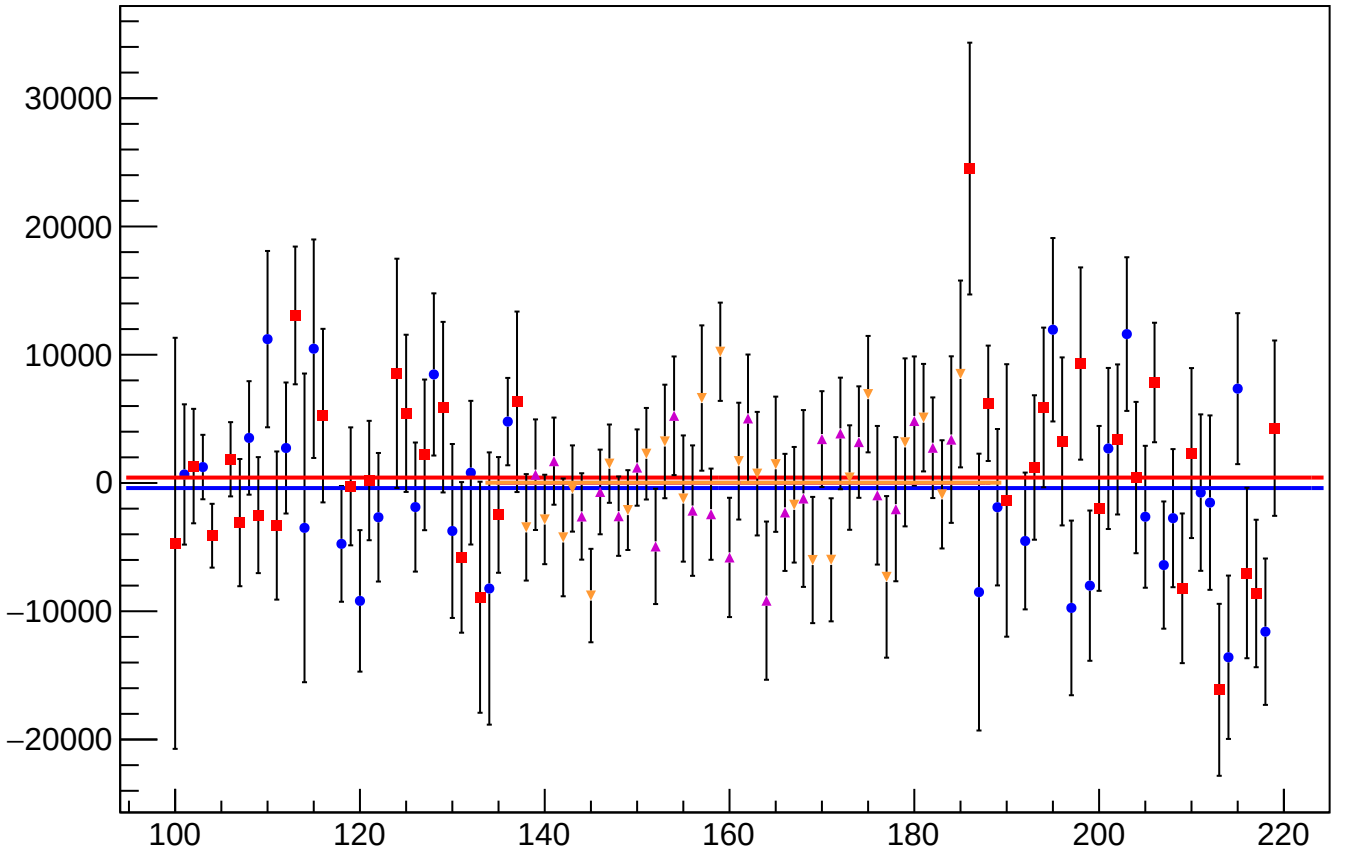
In: 0.000+/-0.000 χ^2/NDF:17057385.1/54

Out: 0.000+/-0.000 χ^2/NDF:18081442.2/60

All: 0.000+/-0.000 χ^2/NDF: 35138907.7/115


reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: -642.450+/-274.175 χ²/NDF: 18.1/31
Left Out: 458.782+/-251.538 χ²/NDF:42.1/24
Right Out: 357.864+/-266.606 χ²/NDF: 31.5/35
Left In: -411.262+/-257.201 χ²/NDF:13.7/22
Left: 33.443+/-179.833 χ²/NDF: 61.6/47
Right: -128.295+/-191.139 χ²/NDF: 56.4/67
In: -519.479+/-187.582 χ²/NDF:32.1/54
Out: 411.255+/-182.959 χ²/NDF:73.6/60
All: -42.501+/-130.976 χ²/NDF: 118.3/115


reg_asym_usr_atr2_dd_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
220
Right In: 1214.974+/-0.194 χ²/NDF: 1109413.9/31
Left Out: 1105.549+/-0.178 χ²/NDF:121950.0/24
Right Out: 1202.555+/-0.188 χ²/NDF: 1103367.2/35
Left In: 1100.350+/-0.182 χ²/NDF:80240.5/22
Left: 1103.007+/-0.127 χ²/NDF: 202608.2/47
Right: 1208.569+/-0.135 χ²/NDF: 2214897.4/67
In: 1154.004+/-0.133 χ²/NDF:1375589.5/54
Out: 1151.403+/-0.129 χ²/NDF:1365920.4/60
All: 1152.669+/-0.093 χ²/NDF: 2741707.3/11



Right In: -396.004+/-956.638 χ^2/NDF: 38.8/31

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 422.480+/-894.446 χ^2/NDF: 42.1/35

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

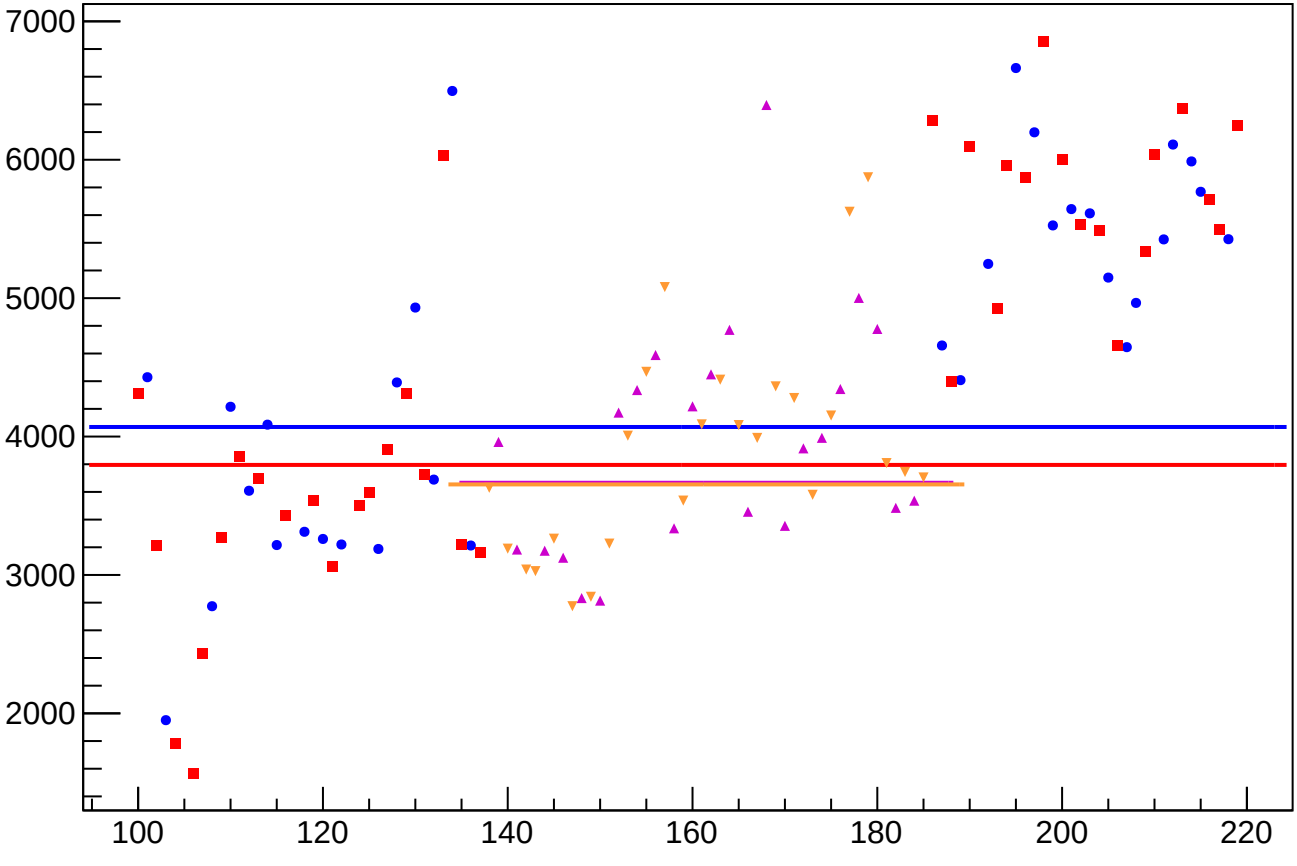
Right: 40.706+/-653.350 χ^2/NDF: 81.3/67

In: -177.006+/-645.757 χ^2/NDF:52.9/54

Out: 212.856+/-616.308 χ^2/NDF:70.7/60

All: 27.018+/-445.843 χ^2/NDF: 123.8/115

asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 4069.159+/-0.676 χ^2/NDF: 3984163.4/31

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3795.073+/-0.632 χ^2/NDF: 5984356.9/35

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

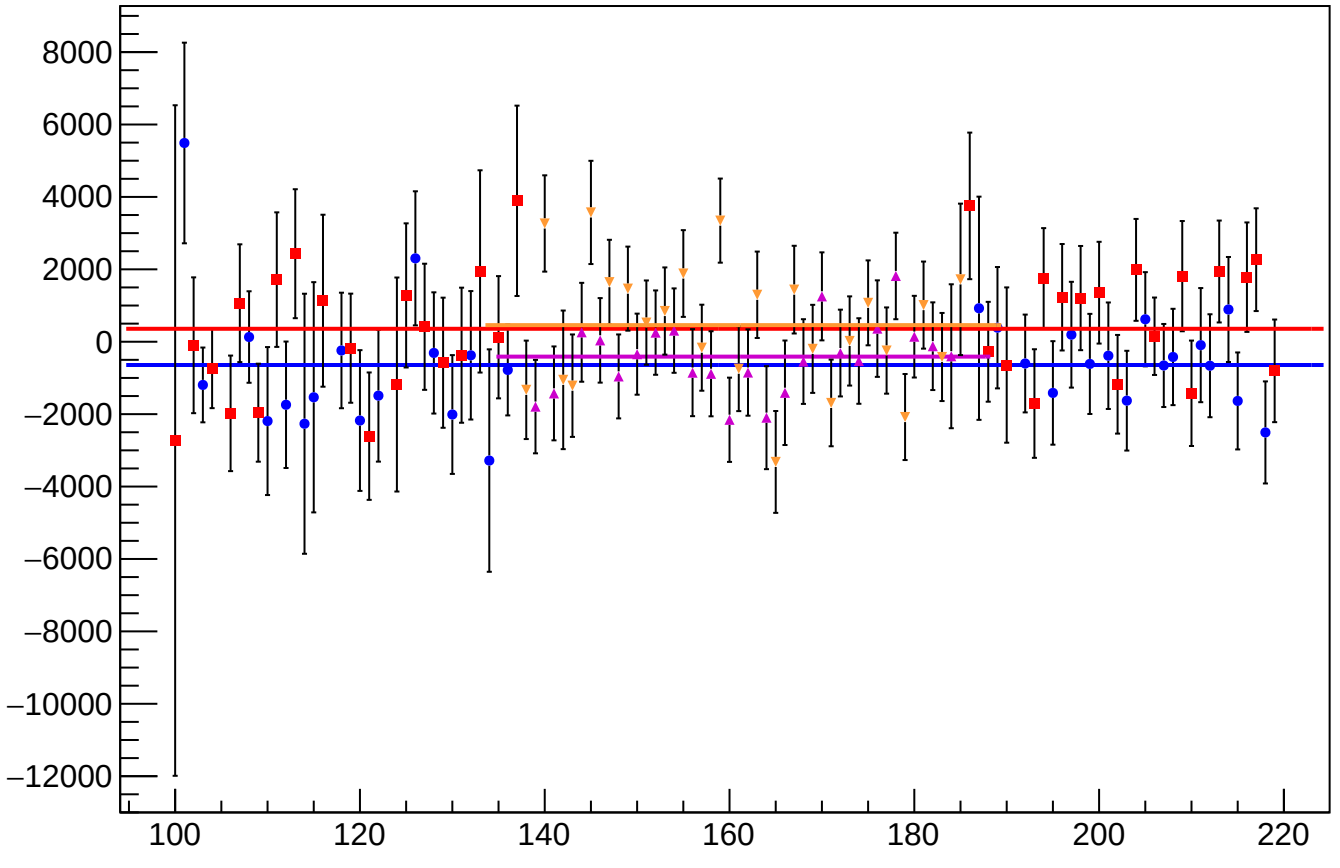
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3922.917+/-0.462 χ^2/NDF: 10056117.7/67

In: 3849.768+/-0.457 χ^2/NDF:5521114.5/54

Out: 3721.082+/-0.436 χ^2/NDF:7322176.3/60

All: 3782.424+/-0.315 χ^2/NDF: 12884855.8/1



Right In: -642.478+/-274.175 χ^2/NDF: 18.1/31

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 357.729+/-266.607 χ^2/NDF: 31.5/35

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

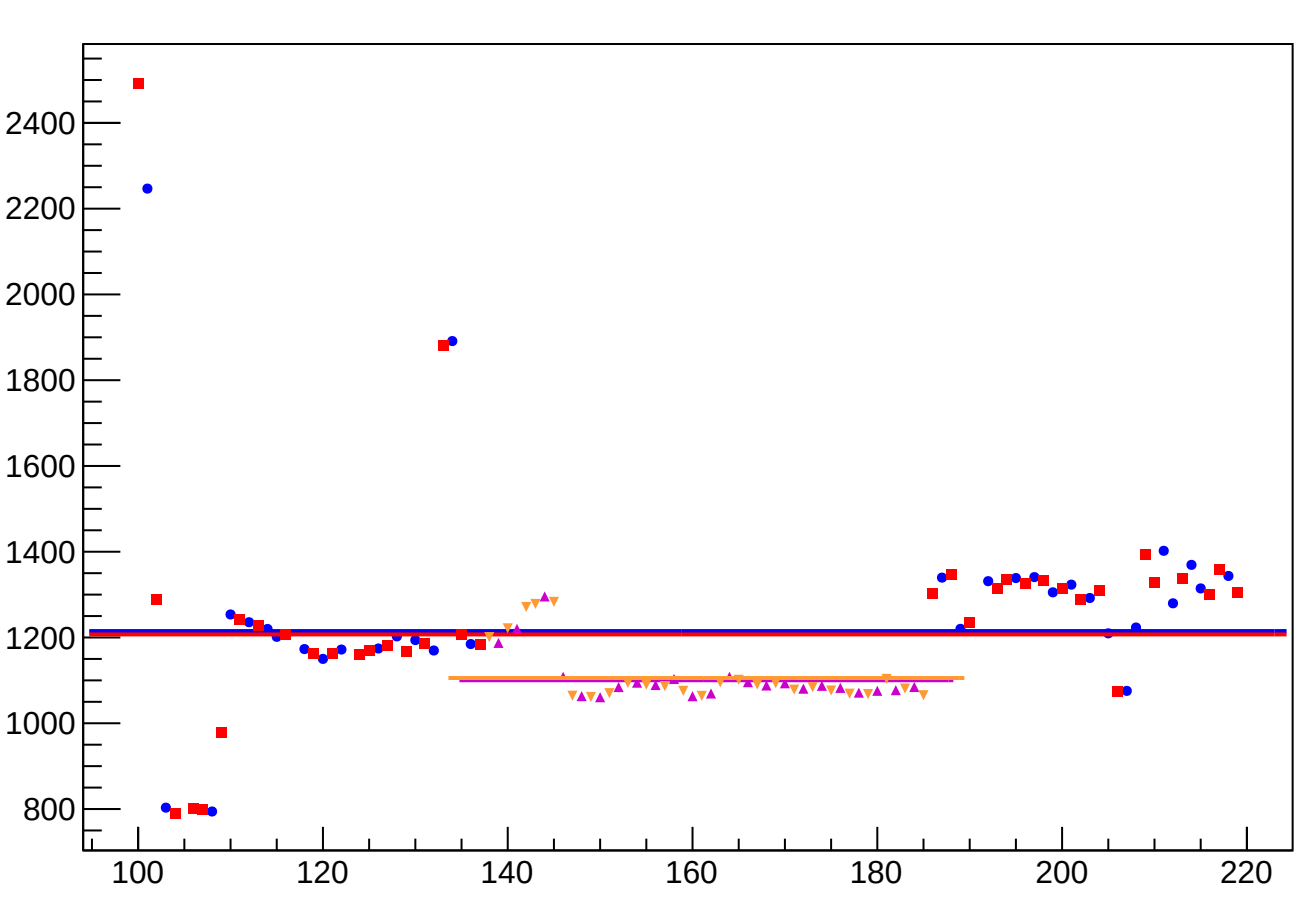
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -128.379+/-191.139 χ^2/NDF: 56.4/67

In: -519.440+/-187.582 χ^2/NDF:32.1/54

Out: 411.225+/-182.960 χ^2/NDF:73.6/60

All: -42.499+/-130.976 χ^2/NDF: 118.3/115



Right In: 1214.974+/-0.194 χ^2/NDF: 1109409.1/31

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1207.152+/-0.188 χ^2/NDF: 1018539.8/35

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

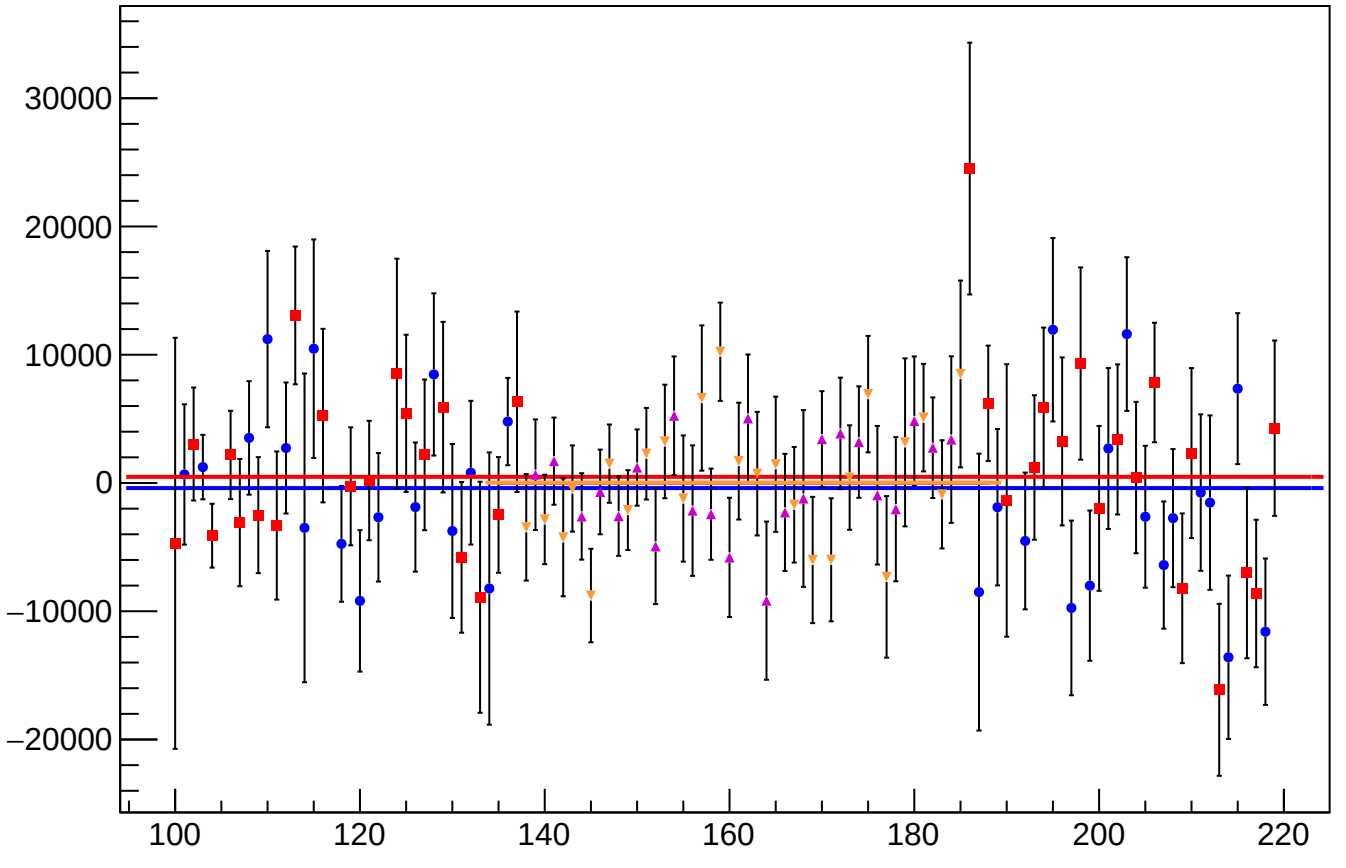
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1210.950+/-0.135 χ^2/NDF: 2128786.2/67

In: 1154.004+/-0.133 χ^2/NDF:1375585.5/54

Out: 1153.439+/-0.129 χ^2/NDF:1294296.6/60

All: 1153.714+/-0.093 χ^2/NDF: 2669891.4/11



Right In: -396.407+/-956.661 χ^2/NDF: 38.8/31

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 478.649+/-906.728 χ^2/NDF: 42.5/35

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

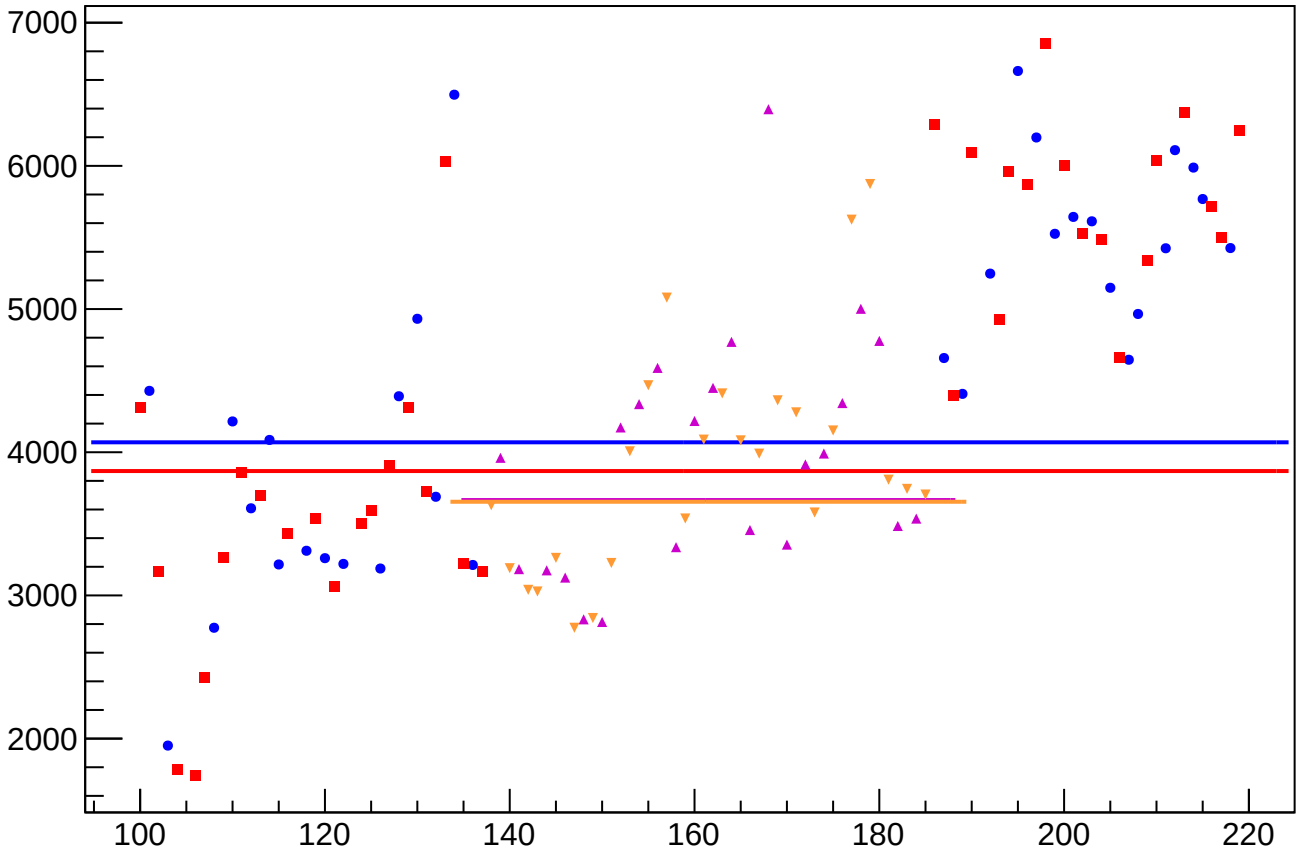
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 64.553+/-658.098 χ^2/NDF: 81.7/67

In: -177.156+/-645.764 χ^2/NDF:52.9/54

Out: 236.428+/-620.283 χ^2/NDF:71.1/60

All: 37.957+/-447.343 χ^2/NDF: 124.2/115



Right In: 4069.312+/-0.676 χ^2/NDF: 3983197.8/31

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3868.673+/-0.641 χ^2/NDF: 5502499.2/35

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

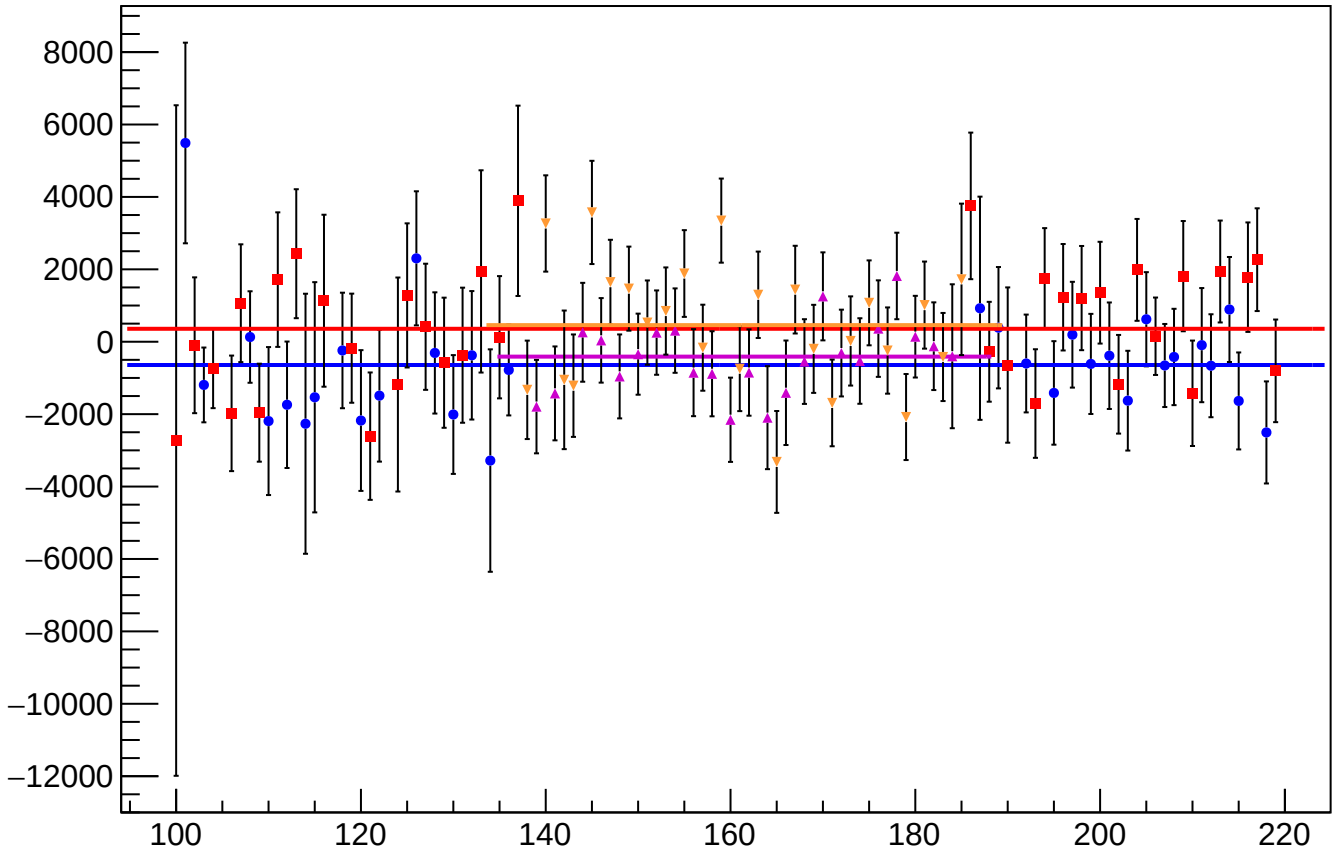
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3963.620+/-0.465 χ^2/NDF: 9532038.8/67

In: 3849.831+/-0.457 χ^2/NDF:5520296.7/54

Out: 3754.566+/-0.439 χ^2/NDF:6873803.1/60

All: 3800.282+/-0.316 χ^2/NDF: 12416738.6/1



Right In: -642.478+/-274.175 χ^2/NDF: 18.1/31

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 357.729+/-266.607 χ^2/NDF: 31.5/35

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

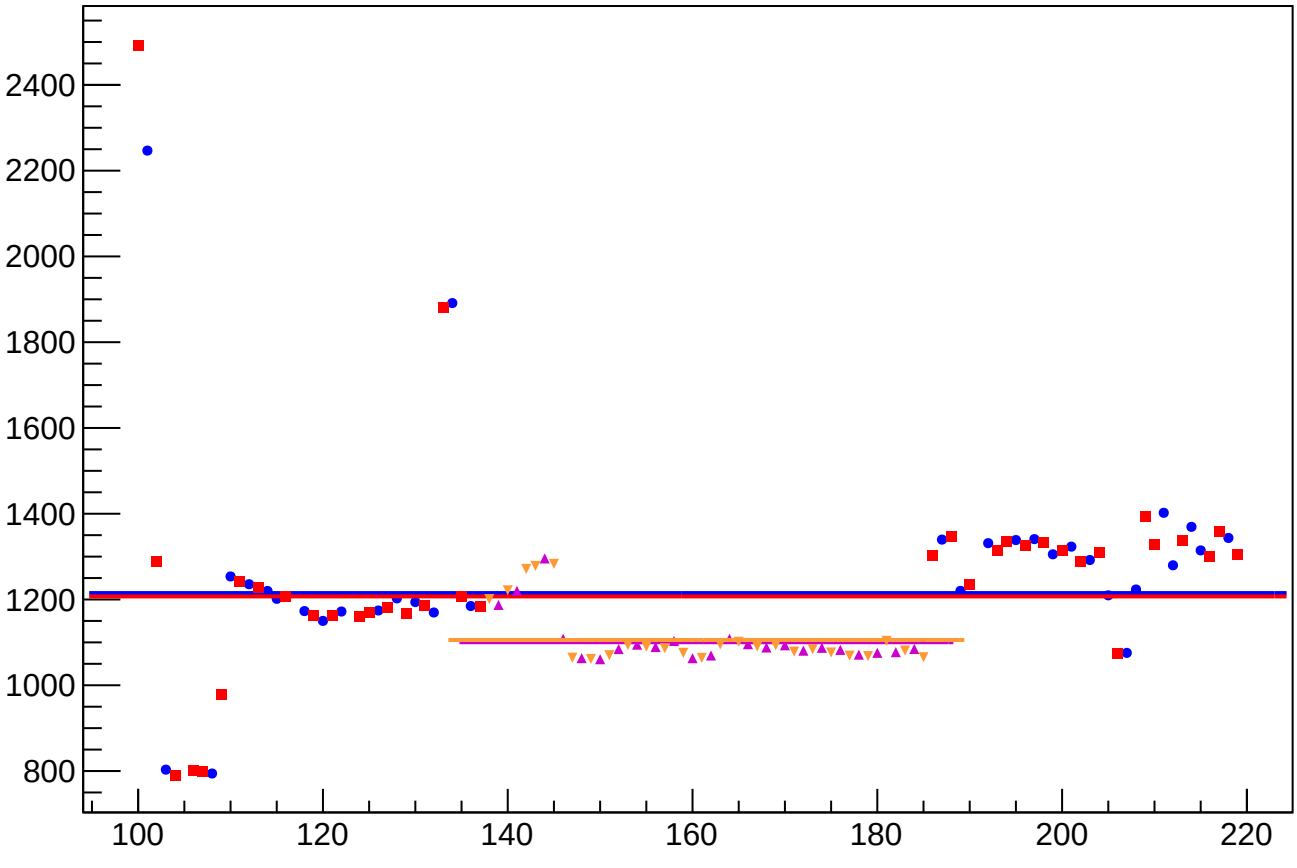
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -128.379+/-191.139 χ^2/NDF: 56.4/67

In: -519.440+/-187.582 χ^2/NDF:32.1/54

Out: 411.225+/-182.960 χ^2/NDF:73.6/60

All: -42.499+/-130.976 χ^2/NDF: 118.3/115



Right In: 1214.974+/-0.194 χ^2/NDF: 1109409.1/31

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1207.152+/-0.188 χ^2/NDF: 1018539.8/35

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

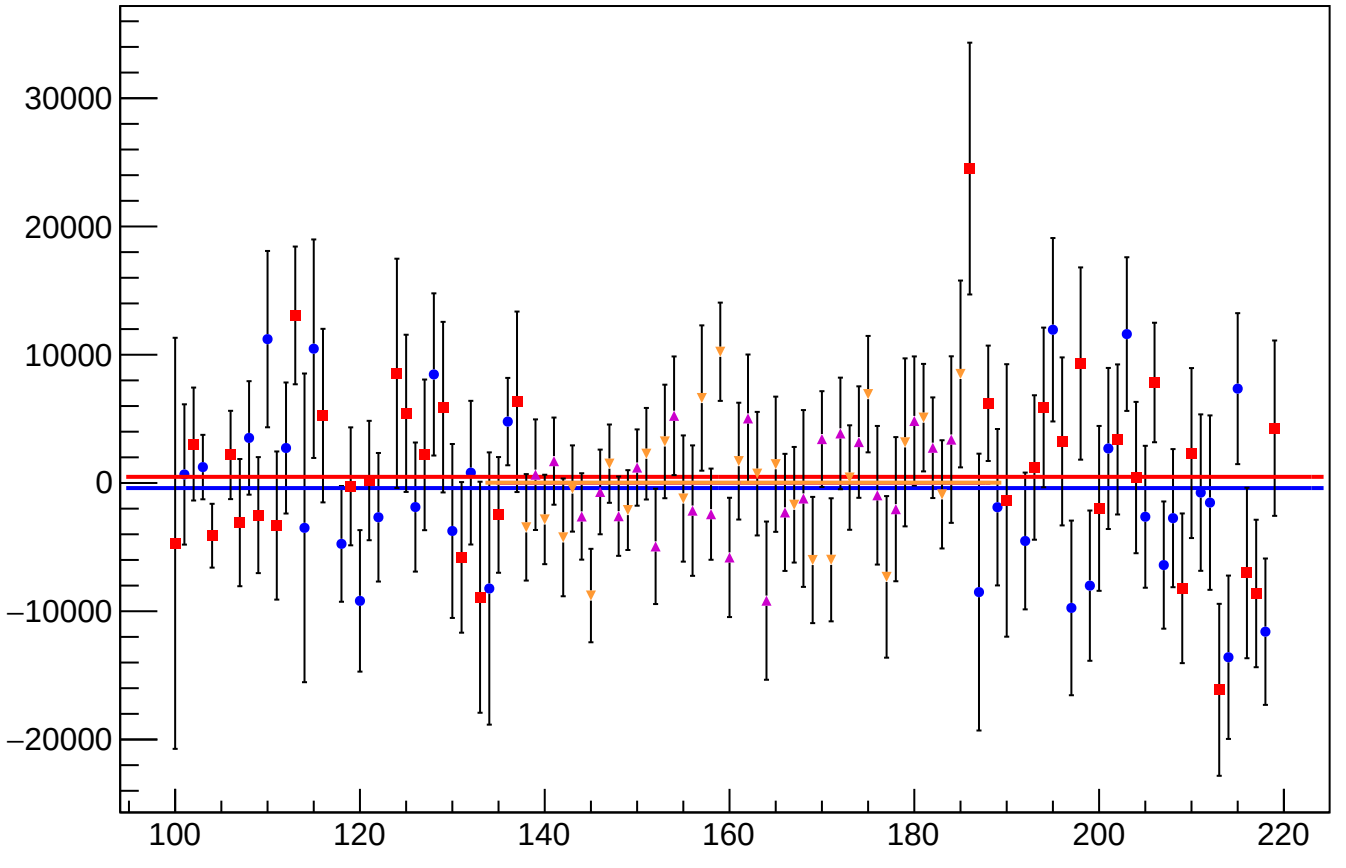
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1210.950+/-0.135 χ^2/NDF: 2128786.2/67

In: 1154.004+/-0.133 χ^2/NDF:1375585.5/54

Out: 1153.439+/-0.129 χ^2/NDF:1294296.6/60

All: 1153.714+/-0.093 χ^2/NDF: 2669891.4/11



Right In: -396.407+/-956.661 χ^2/NDF: 38.8/31

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 478.649+/-906.728 χ^2/NDF: 42.5/35

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

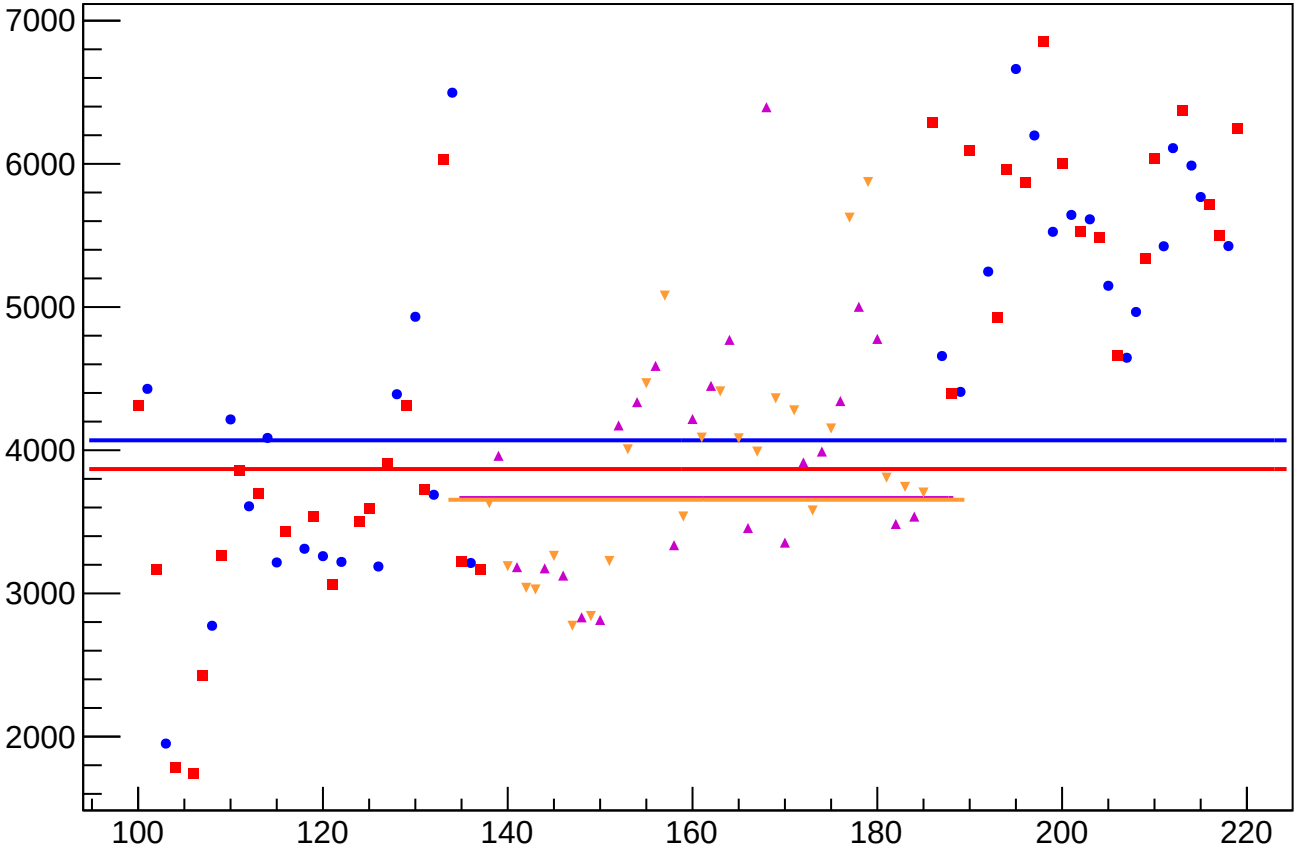
Right: 64.553+/-658.098 χ^2/NDF: 81.7/67

In: -177.156+/-645.764 χ^2/NDF:52.9/54

Out: 236.428+/-620.283 χ^2/NDF:71.1/60

All: 37.957+/-447.343 χ^2/NDF: 124.2/115

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4069.312+/-0.676 χ^2/NDF: 3983197.8/31

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3868.673+/-0.641 χ^2/NDF: 5502499.2/35

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

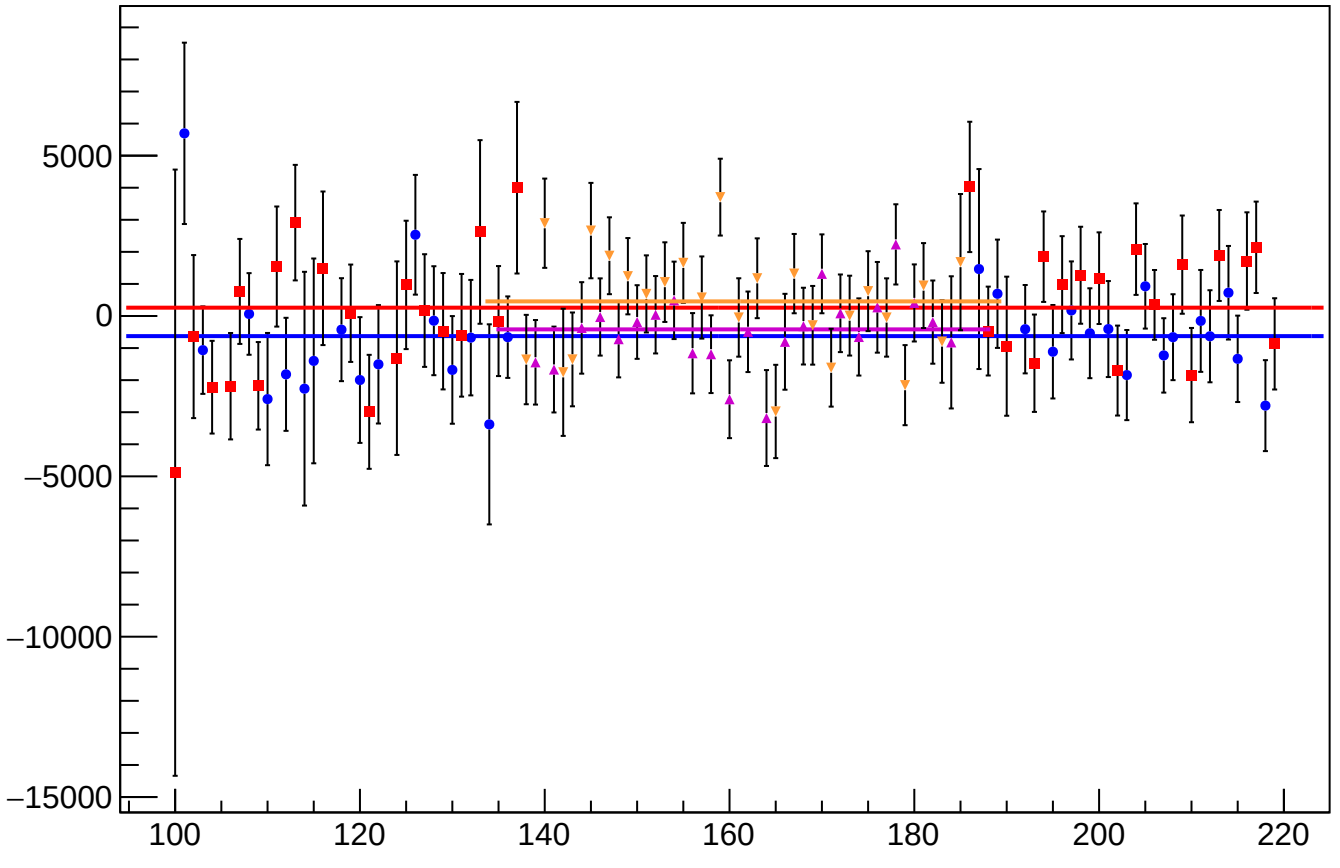
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3963.620+/-0.465 χ^2/NDF: 9532038.8/67

In: 3849.831+/-0.457 χ^2/NDF:5520296.7/54

Out: 3754.566+/-0.439 χ^2/NDF:6873803.1/60

All: 3800.282+/-0.316 χ^2/NDF: 12416738.6/1



Right In: -627.392+/-281.864 χ^2/NDF: 19.3/31

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 259.607+/-274.955 χ^2/NDF: 37.2/35

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

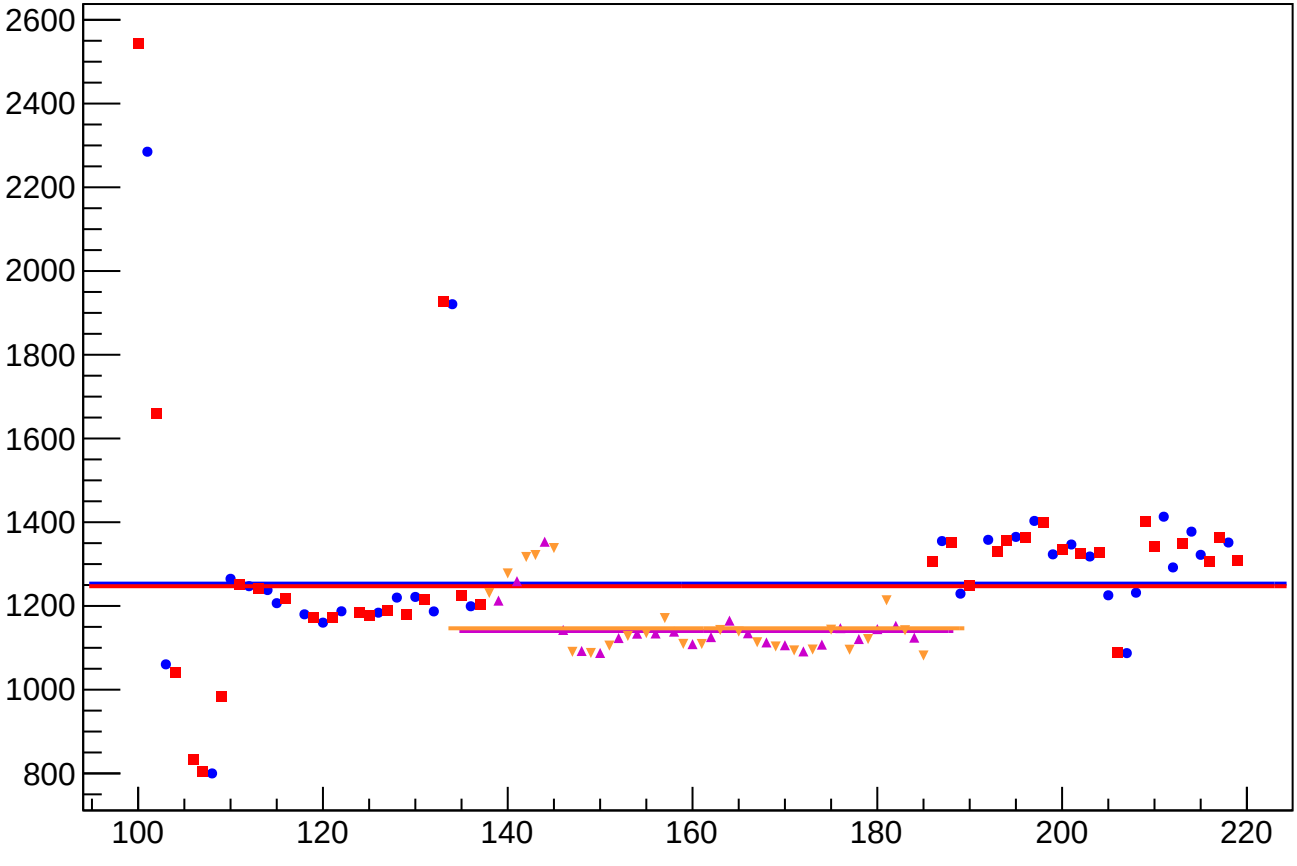
Right: -172.887+/-196.820 χ^2/NDF: 61.7/67

In: -516.445+/-193.680 χ^2/NDF:37.0/54

Out: 362.760+/-189.298 χ^2/NDF:73.7/60

All: -66.785+/-135.376 χ^2/NDF: 121.2/115

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1253.303+/-0.199 χ^2/NDF: 829317.3/31

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1247.126+/-0.194 χ^2/NDF: 794680.6/35

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

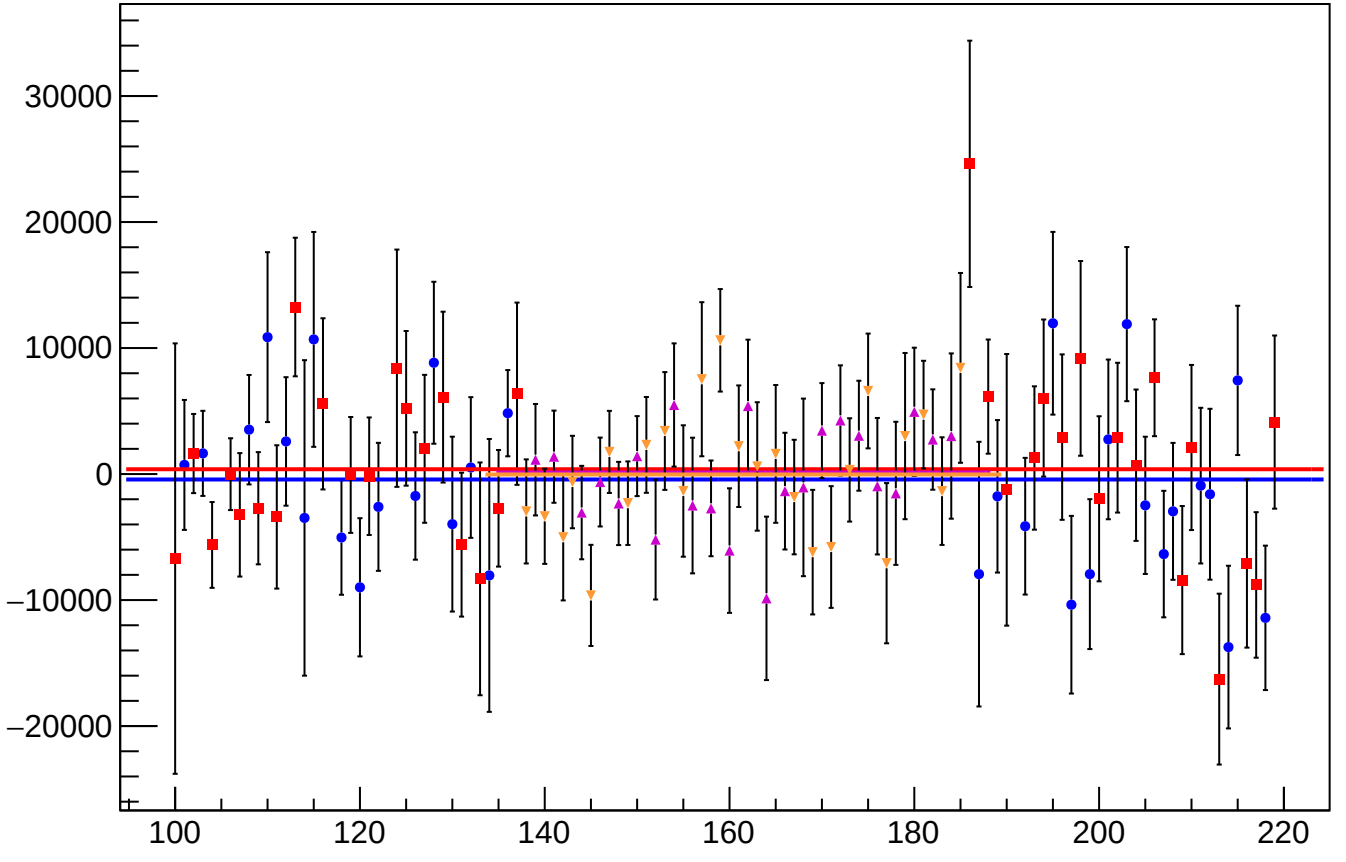
Right: 1250.137+/-0.139 χ^2/NDF: 1624490.0/67

In: 1193.585+/-0.137 χ^2/NDF:1084131.8/54

Out: 1194.265+/-0.134 χ^2/NDF:1076309.7/60

All: 1193.933+/-0.096 χ^2/NDF: 2160454.0/11

asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -430.899+/-991.548 χ^2/NDF: 38.4/31

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: 381.659+/-905.358 χ^2/NDF: 41.5/35

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

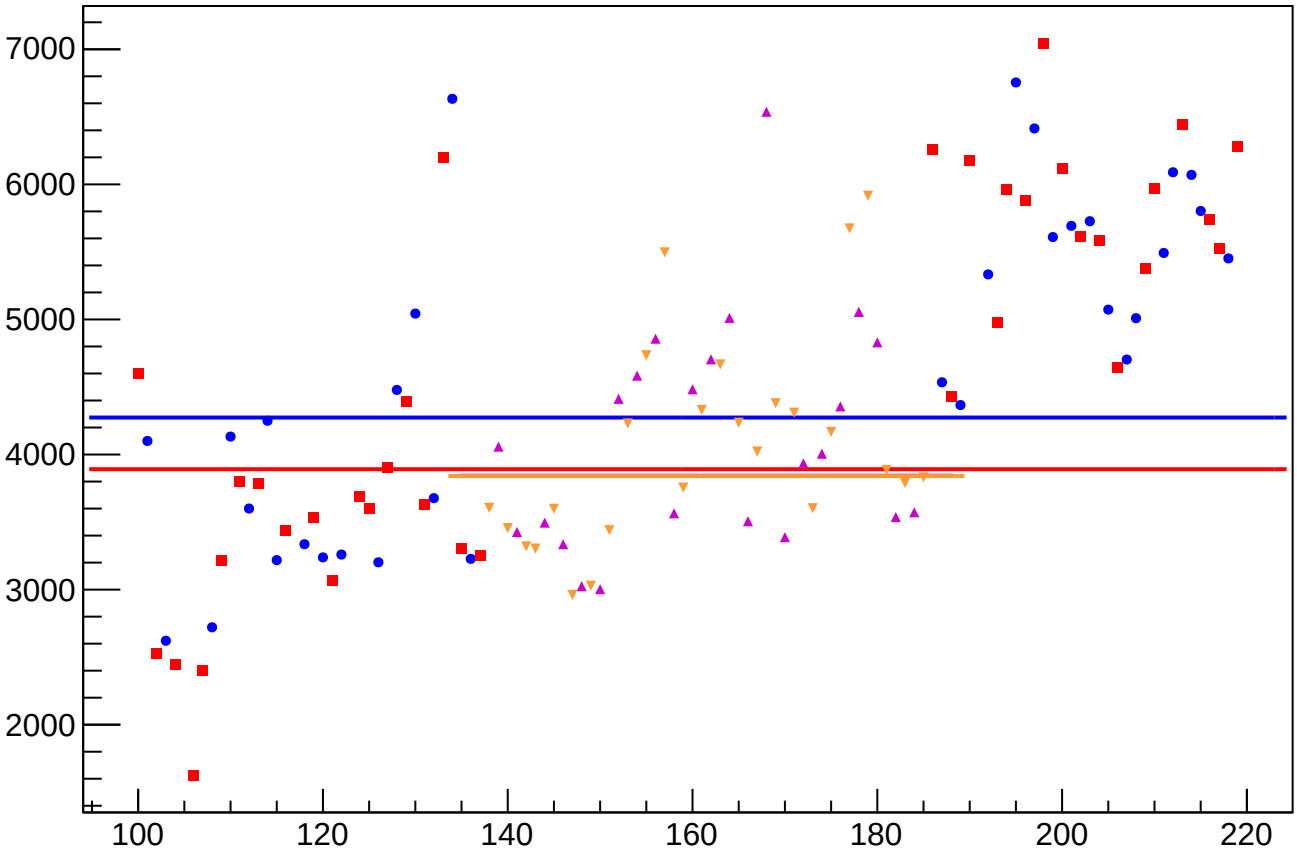
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 12.224+/-668.583 χ^2/NDF: 80.3/67

In: -133.013+/-672.722 χ^2/NDF:52.4/54

Out: 170.823+/-635.182 χ^2/NDF:69.4/60

All: 27.619+/-461.843 χ^2/NDF: 121.9/115



Right In: 4273.937+/-0.701 χ^2/NDF: 2959796.5/31

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3891.464+/-0.640 χ^2/NDF: 5345042.0/35

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

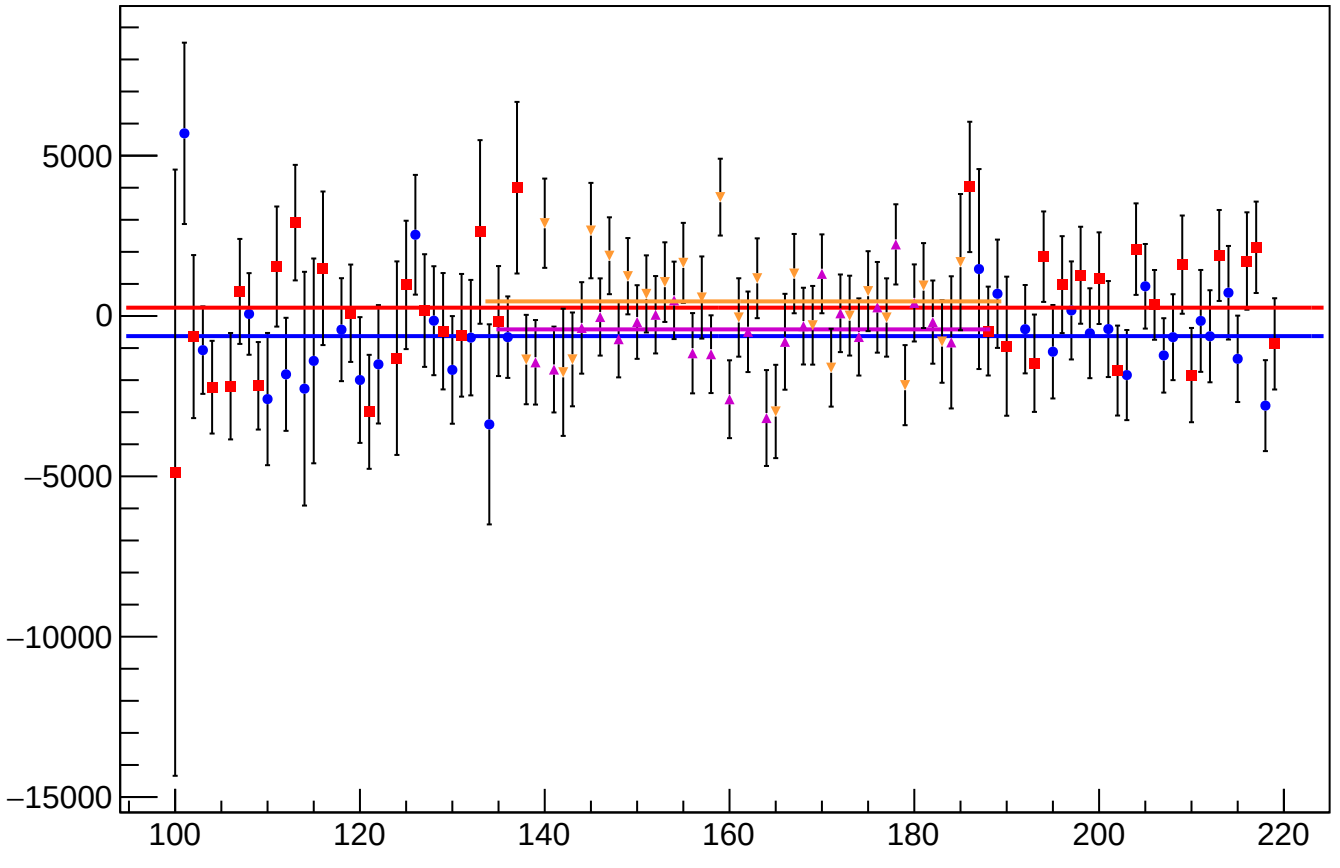
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 4065.358+/-0.473 χ^2/NDF: 8467122.0/67

In: 4041.538+/-0.476 χ^2/NDF:4359426.9/54

Out: 3865.753+/-0.449 χ^2/NDF:6466885.0/60

All: 3948.604+/-0.327 χ^2/NDF: 10898508.5/1



Right In: -627.386+/-281.864 χ^2/NDF: 19.3/31

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 259.607+/-274.955 χ^2/NDF: 37.2/35

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

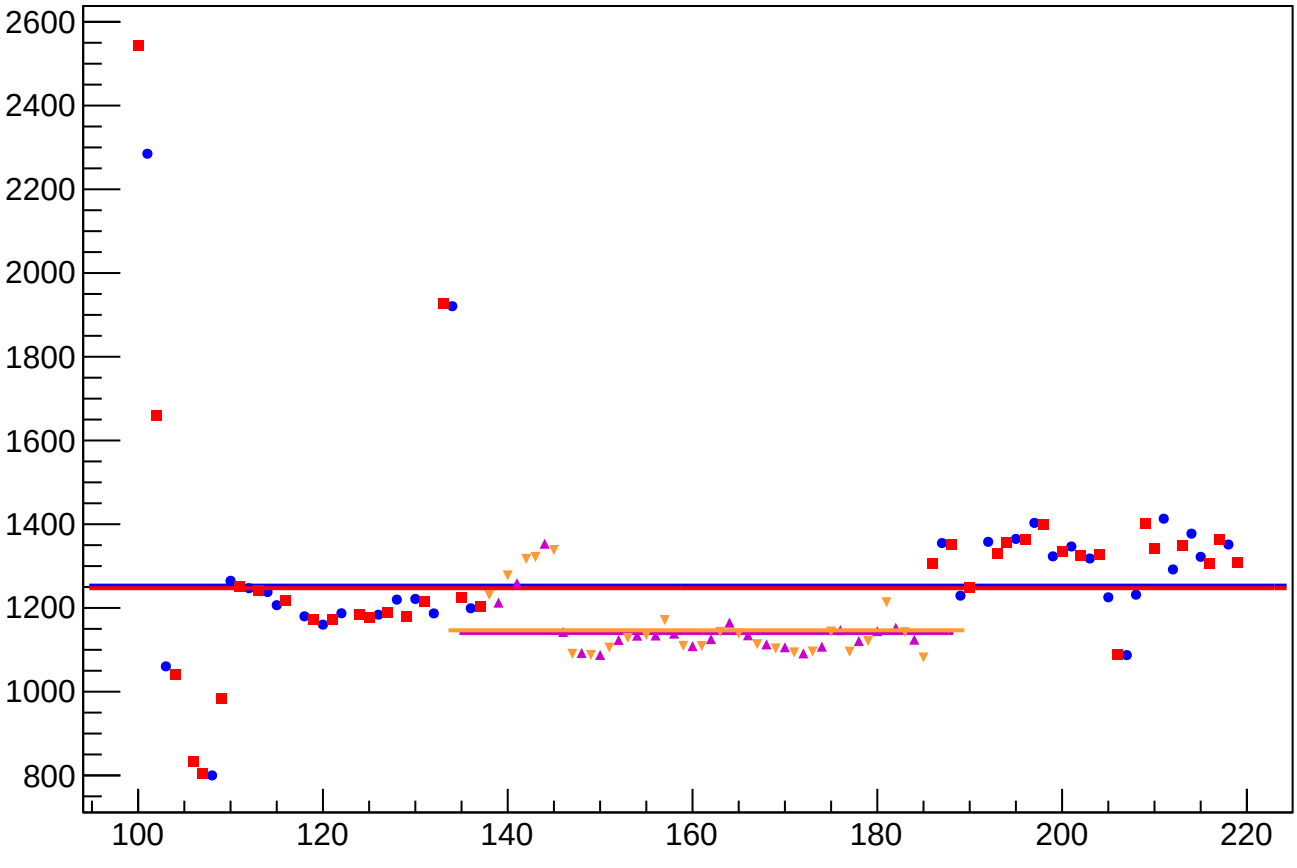
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -172.884+/-196.820 χ^2/NDF: 61.7/67

In: -516.442+/-193.680 χ^2/NDF:37.0/54

Out: 362.762+/-189.298 χ^2/NDF:73.7/60

All: -66.783+/-135.376 χ^2/NDF: 121.2/115



Right In: 1253.303+/-0.199 χ^2/NDF: 829318.2/31

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1247.126+/-0.194 χ^2/NDF: 794680.0/35

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

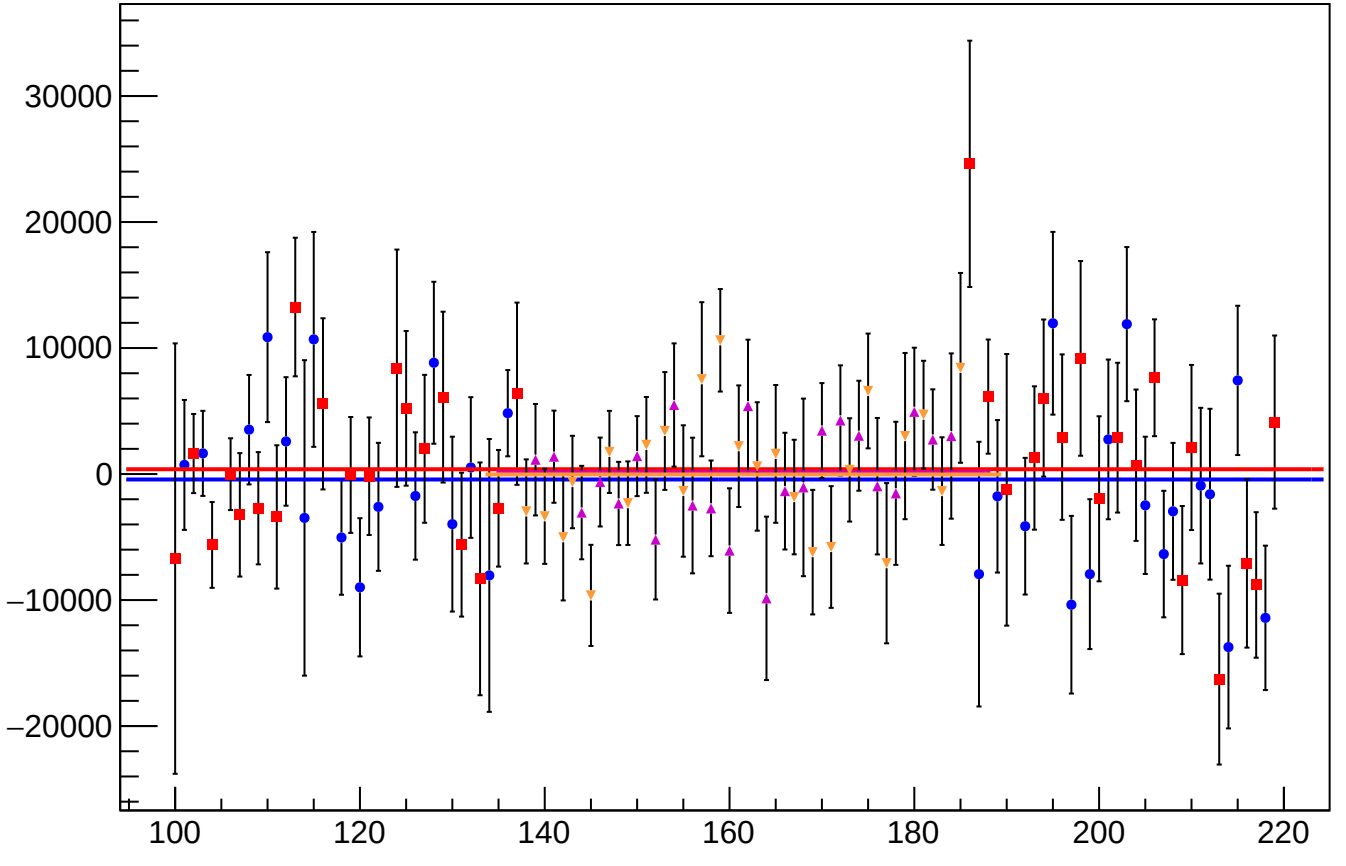
Right: 1250.137+/-0.139 χ^2/NDF: 1624490.3/67

In: 1193.586+/-0.137 χ^2/NDF:1084130.1/54

Out: 1194.265+/-0.134 χ^2/NDF:1076307.8/60

All: 1193.933+/-0.096 χ^2/NDF: 2160450.4/11

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -430.908+/-991.548 χ^2/NDF: 38.4/31

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

Right Out: 381.654+/-905.357 χ^2/NDF: 41.5/35

Left In: 121.054+/-915.716 χ^2/NDF:13.8/22

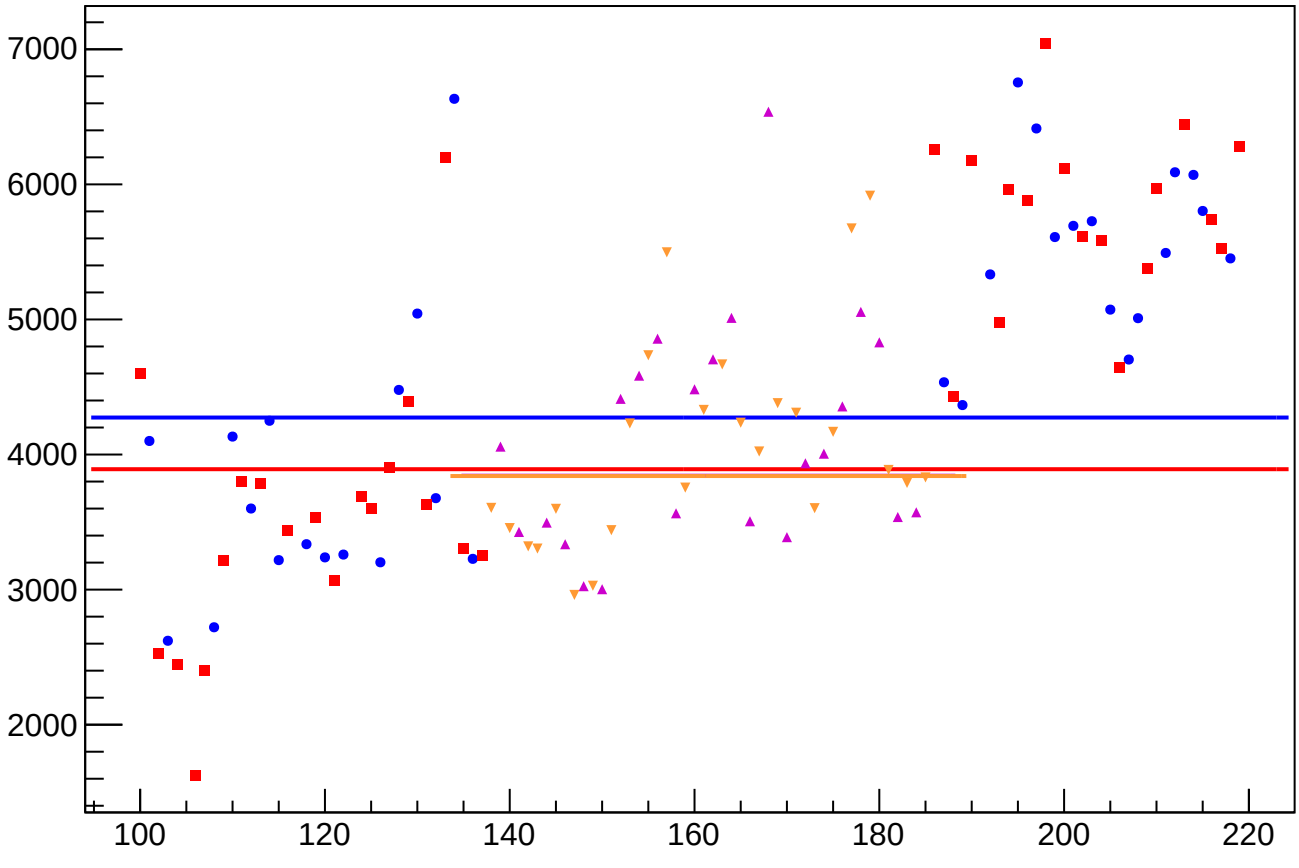
Left: 41.671+/-638.728 χ^2/NDF: 41.5/47

Right: 12.218+/-668.583 χ^2/NDF: 80.3/67

In: -133.016+/-672.722 χ^2/NDF:52.4/54

Out: 170.821+/-635.182 χ^2/NDF:69.4/60

All: 27.617+/-461.843 χ^2/NDF: 121.9/115



Right In: 4273.936+/-0.701 χ^2/NDF: 2959811.7/31

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3891.460+/-0.640 χ^2/NDF: 5345073.8/35

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

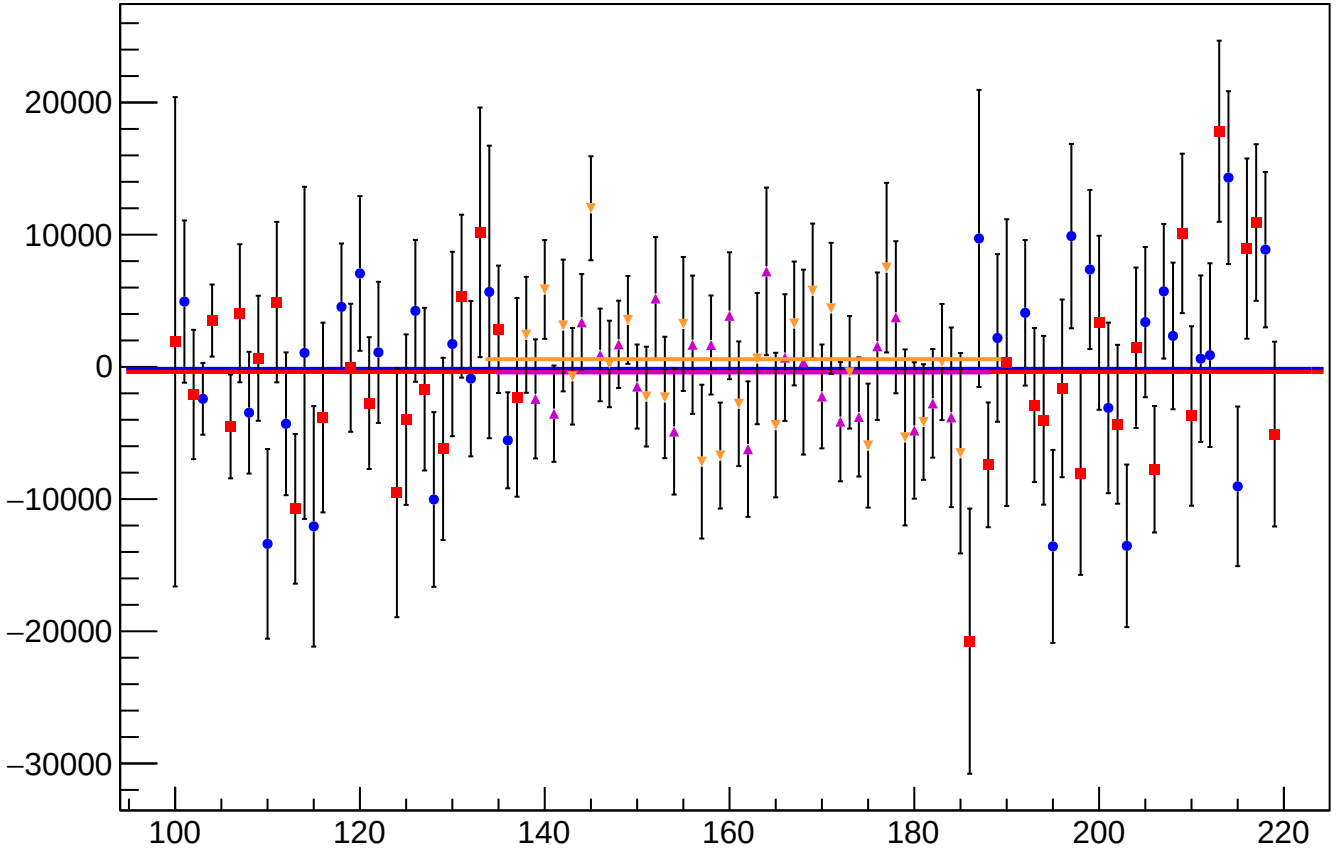
Right: 4065.355+/-0.473 χ^2/NDF: 8467171.4/67

In: 4041.541+/-0.476 χ^2/NDF:4359439.6/54

Out: 3865.754+/-0.449 χ^2/NDF:6466917.4/60

All: 3948.606+/-0.327 χ^2/NDF: 10898554.7/1

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -146.801+/-1004.521 χ^2/NDF: 40.5/31

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -381.368+/-959.440 χ^2/NDF: 40.6/35

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

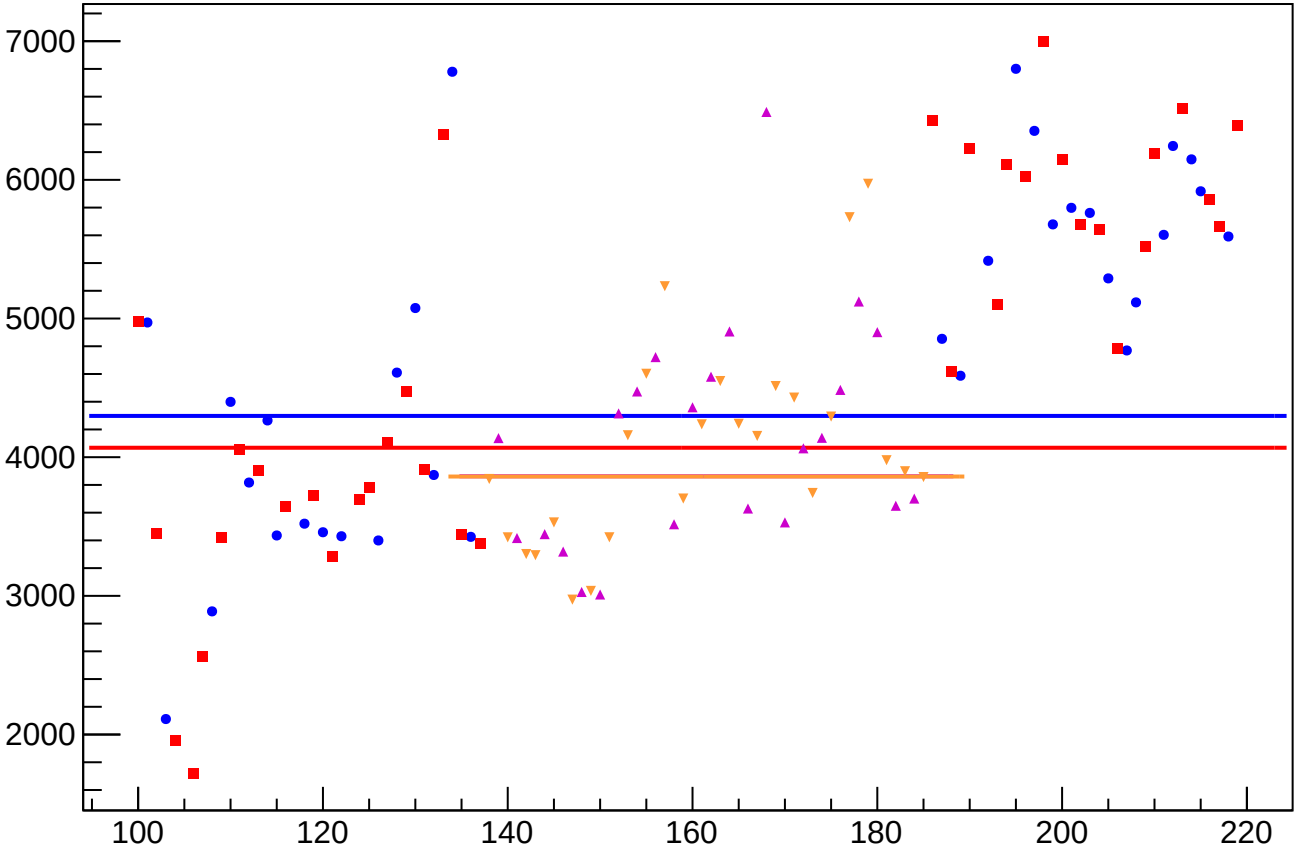
Right: -269.466+/-693.816 χ^2/NDF: 81.2/67

In: -293.782+/-678.056 χ^2/NDF:53.0/54

Out: 134.489+/-654.418 χ^2/NDF:68.6/60

All: -72.052+/-470.878 χ^2/NDF: 121.8/115

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 4297.671+/-0.710 χ^2/NDF: 3590767.7/31

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 4068.099+/-0.671 χ^2/NDF: 5197265.0/35

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

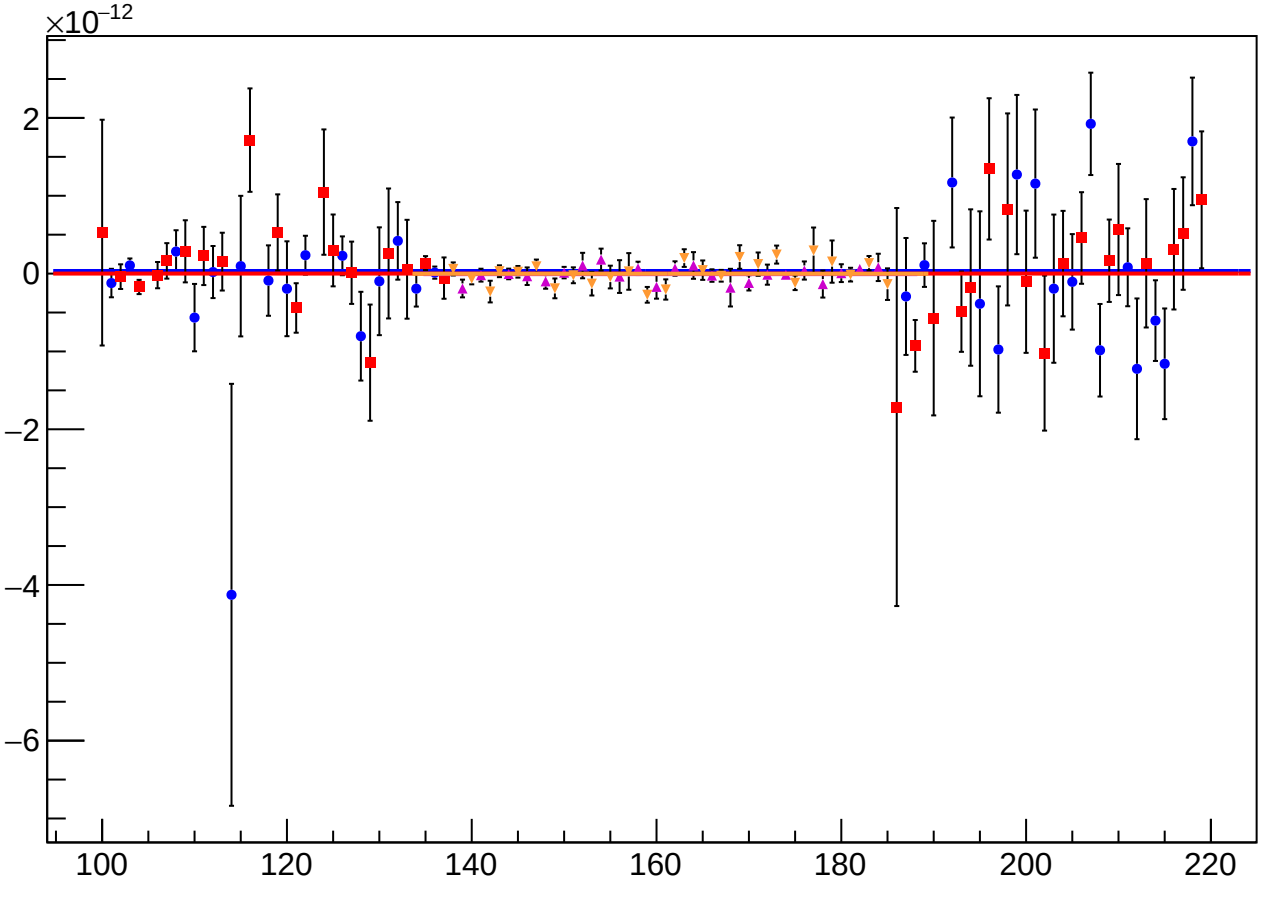
Right: 4176.423+/-0.488 χ^2/NDF: 8843202.8/67

In: 4060.689+/-0.479 χ^2/NDF:4937425.7/54

Out: 3958.181+/-0.460 χ^2/NDF:6345172.9/60

All: 4007.368+/-0.332 χ^2/NDF: 11306376.0/1

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 40.2/31

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.1/35

Left In: -0.000+/-0.000 χ^2/NDF:12.8/22

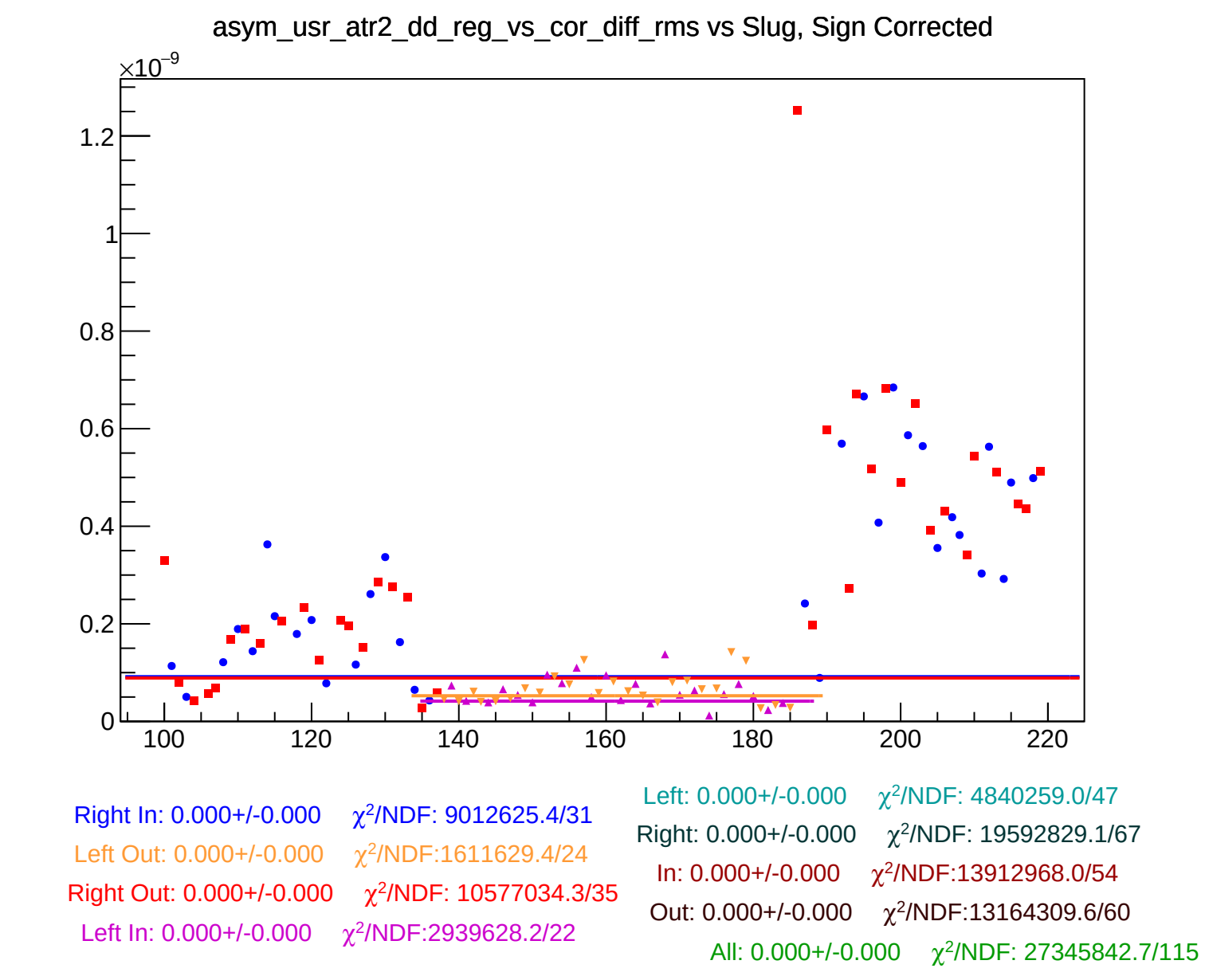
Left: -0.000+/-0.000 χ^2/NDF: 47.1/47

Right: 0.000+/-0.000 χ^2/NDF: 78.5/67

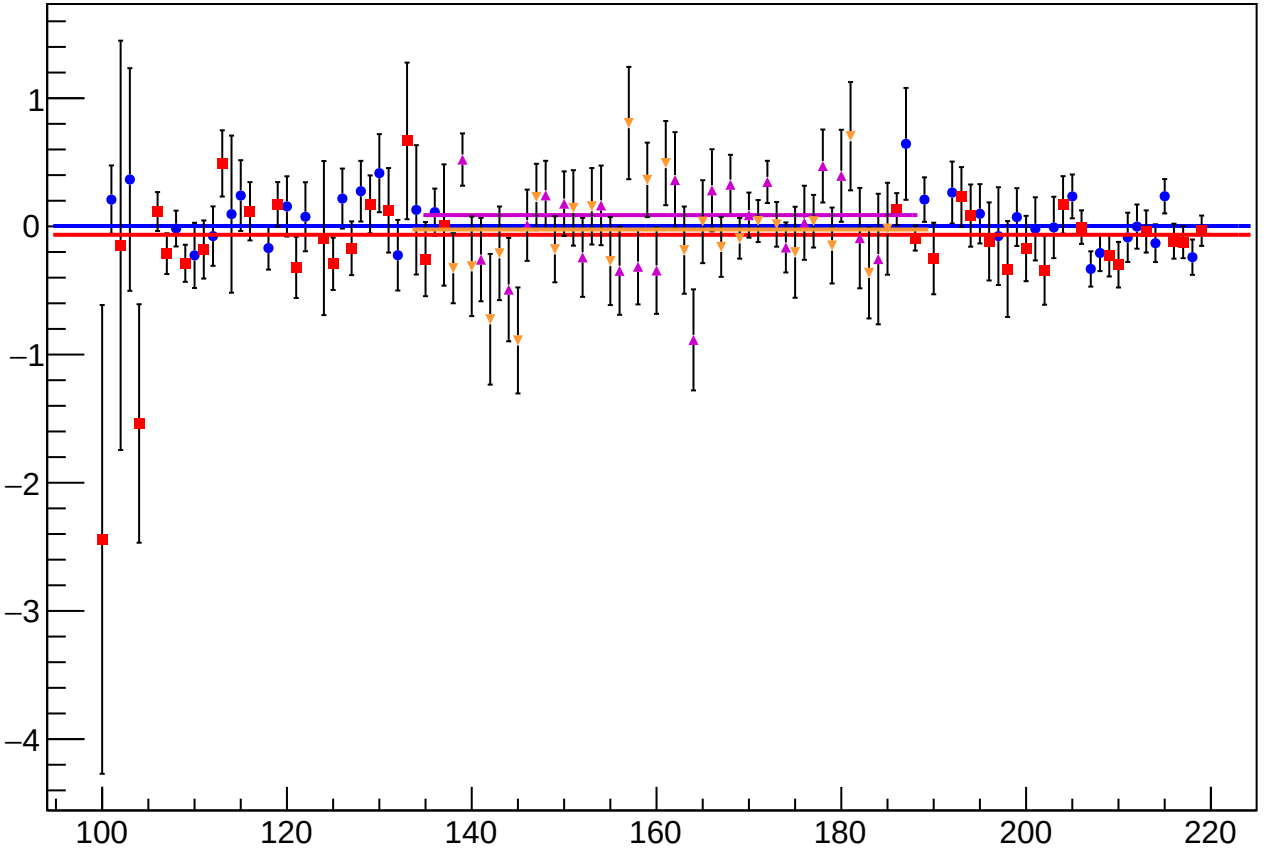
In: -0.000+/-0.000 χ^2/NDF:53.6/54

Out: -0.000+/-0.000 χ^2/NDF:72.3/60

All: -0.000+/-0.000 χ^2/NDF: 126.0/115


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: 9012625.4/31
Left Out: 0.000+/-0.000 χ²/NDF:1611629.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 10577034.3/35
Left In: 0.000+/-0.000 χ²/NDF:2939628.2/22
Left: 0.000+/-0.000 χ²/NDF: 4840259.0/47
Right: 0.000+/-0.000 χ²/NDF: 19592829.1/67
In: 0.000+/-0.000 χ²/NDF:13912968.0/54
Out: 0.000+/-0.000 χ²/NDF:13164309.6/60
All: 0.000+/-0.000 χ²/NDF: 27345842.7/115

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.036 χ^2/NDF: 31.3/31

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.066+/-0.032 χ^2/NDF: 33.5/35

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

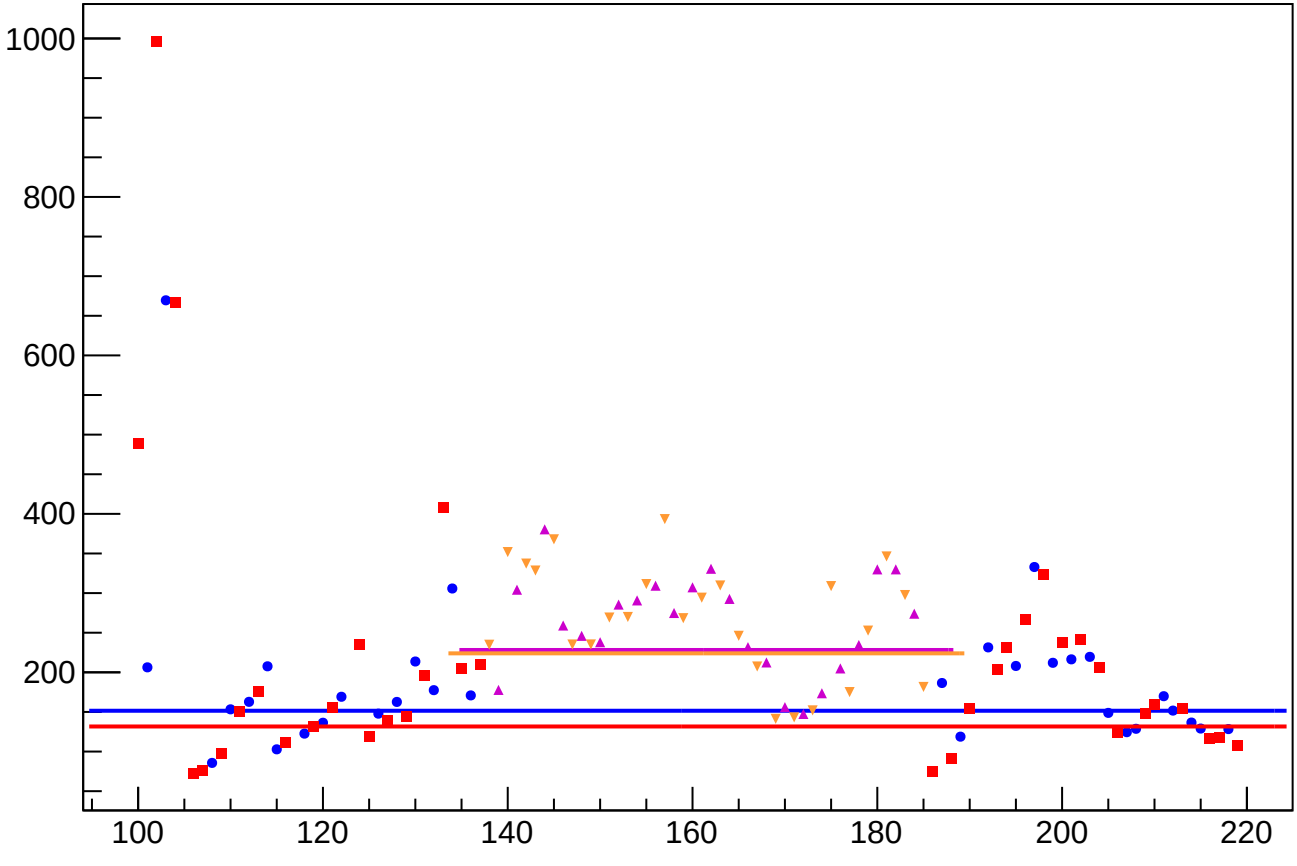
Right: -0.035+/-0.024 χ^2/NDF: 66.8/67

In: 0.028+/-0.030 χ^2/NDF:62.9/54

Out: -0.055+/-0.028 χ^2/NDF:58.0/60

All: -0.018+/-0.020 χ^2/NDF: 124.9/115

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.500+/-0.026 χ^2/NDF: 3315376.2/31

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 131.646+/-0.023 χ^2/NDF: 6220879.1/35

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

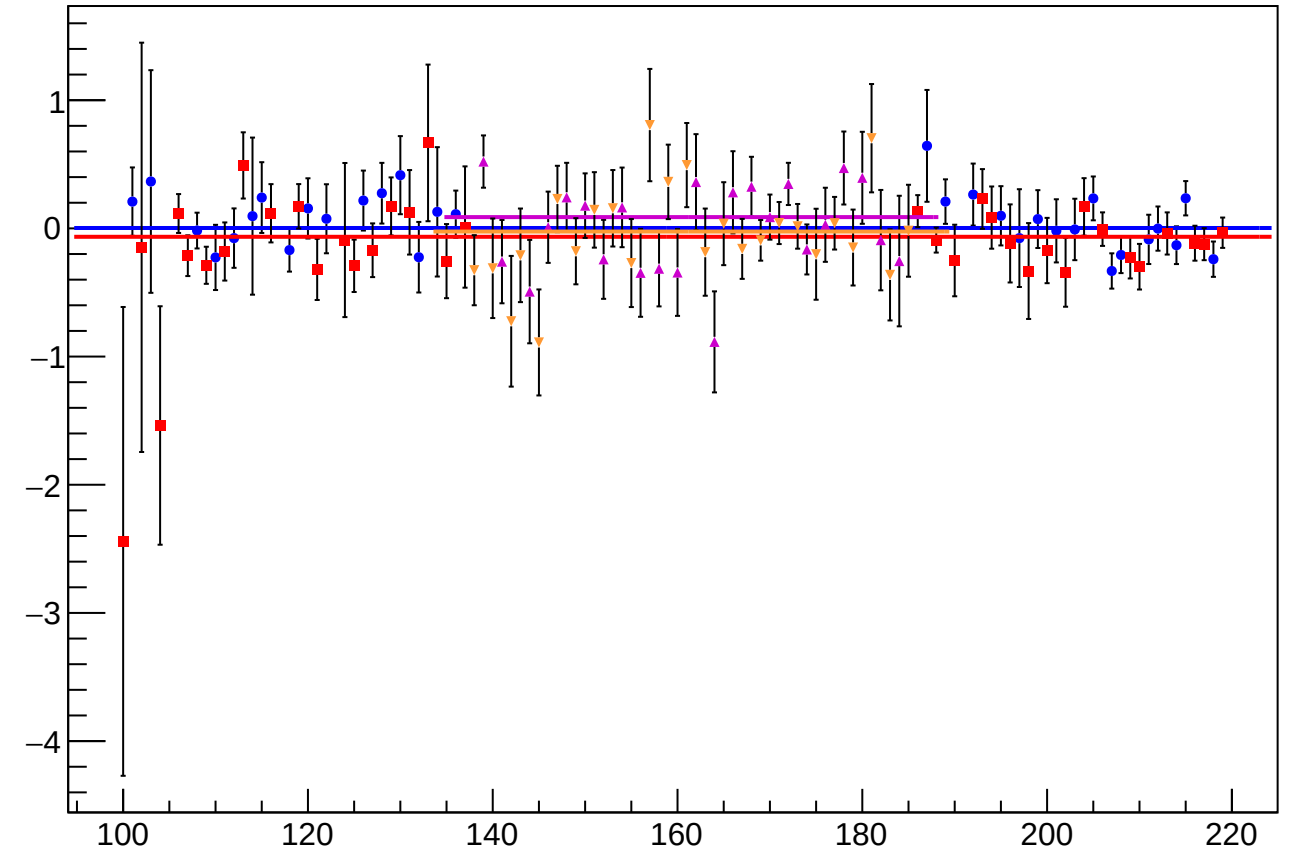
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 140.383+/-0.017 χ^2/NDF: 9873678.0/67

In: 173.709+/-0.022 χ^2/NDF:8408192.7/54

Out: 155.316+/-0.020 χ^2/NDF:13908961.7/60

All: 163.617+/-0.014 χ^2/NDF: 22716533.7/1



Right In: 0.003+/-0.036 χ^2/NDF: 31.3/31

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.066+/-0.032 χ^2/NDF: 33.5/35

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

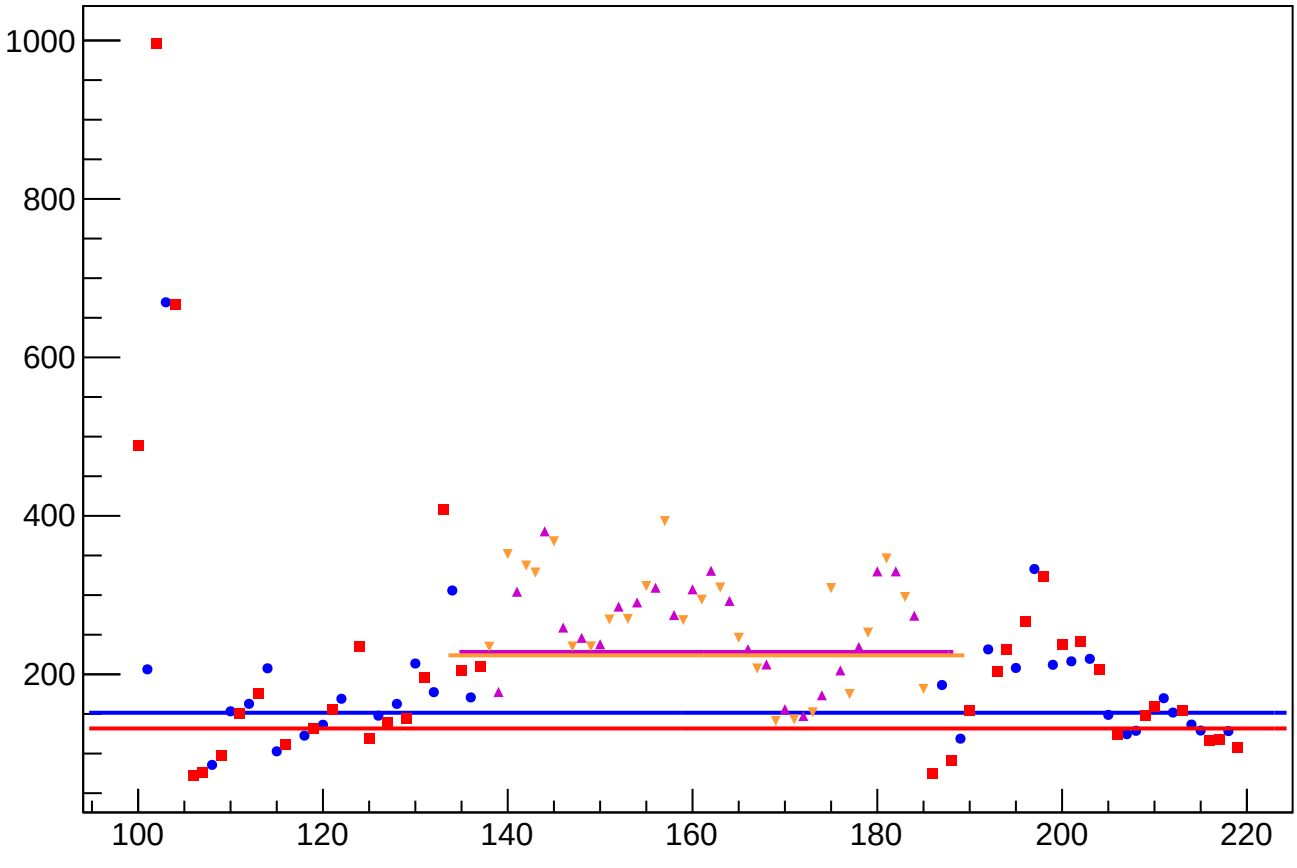
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.035+/-0.024 χ^2/NDF: 66.8/67

In: 0.028+/-0.030 χ^2/NDF:62.9/54

Out: -0.055+/-0.028 χ^2/NDF:58.0/60

All: -0.018+/-0.020 χ^2/NDF: 124.9/115


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
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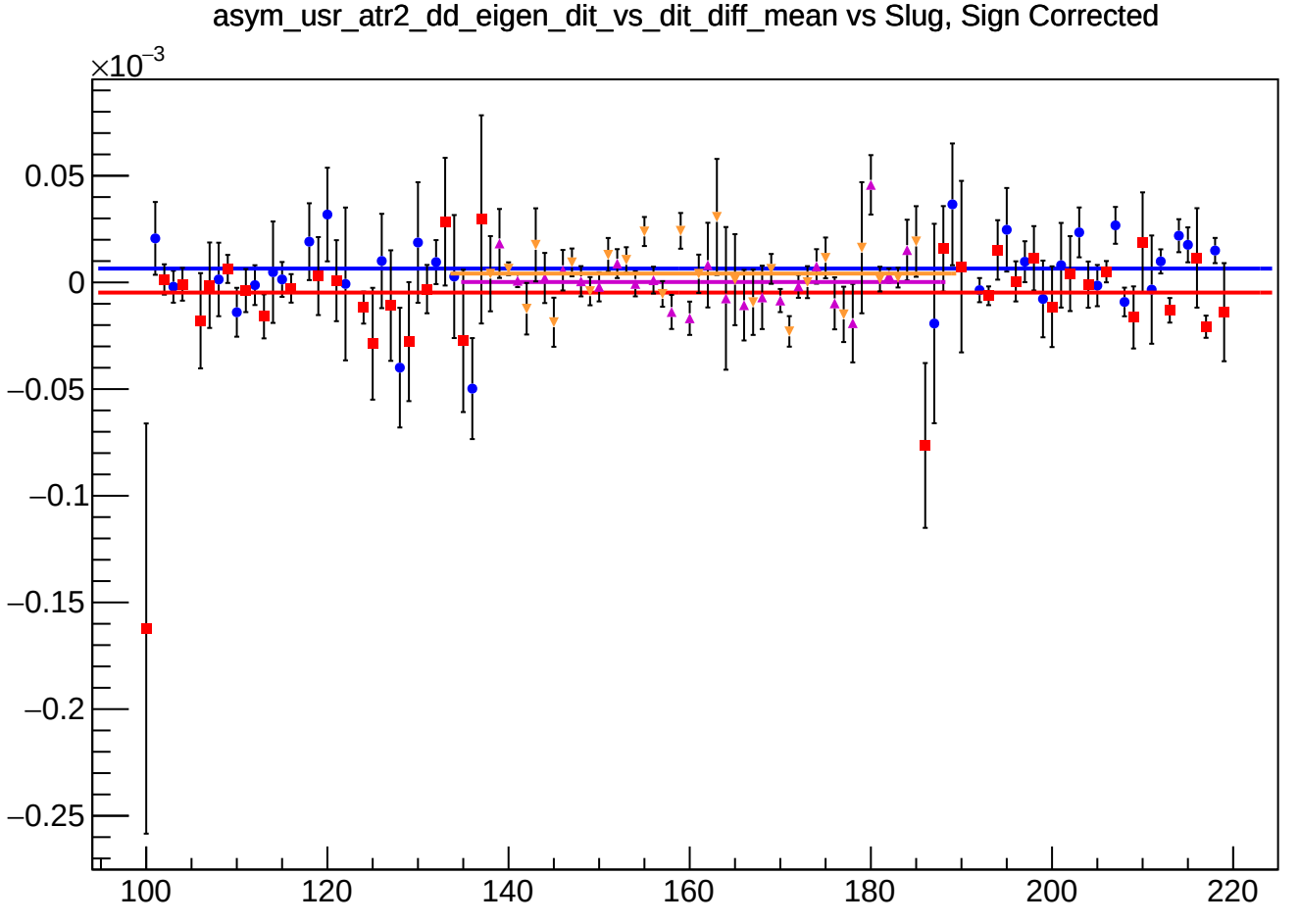
100
120
140
160
180
200
220
Right In: 151.500+/-0.026 χ²/NDF: 3315376.2/31
Left Out: 223.945+/-0.039 χ²/NDF:3438444.8/24
Right Out: 131.646+/-0.023 χ²/NDF: 6220879.1/35
Left In: 228.199+/-0.040 χ²/NDF:2488915.3/22
Left: 225.993+/-0.028 χ²/NDF: 5933206.6/47
Right: 140.383+/-0.017 χ²/NDF: 9873678.0/67
In: 173.709+/-0.022 χ²/NDF:8408192.7/54
Out: 155.316+/-0.020 χ²/NDF:13908961.7/60
All: 163.617+/-0.014 χ²/NDF: 22716533.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 45.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.4/35

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

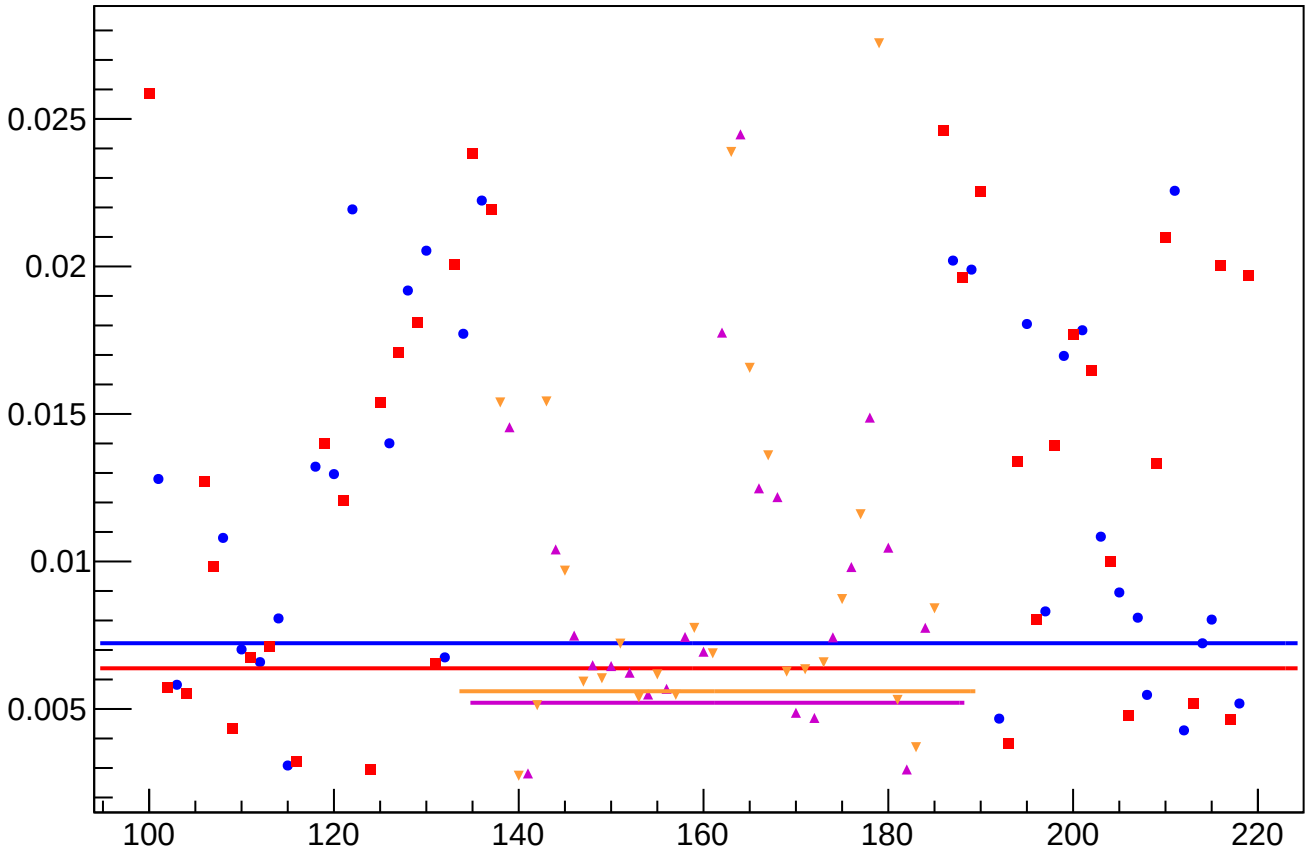
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: 0.000+/-0.000 χ^2/NDF: 104.5/67

In: 0.000+/-0.000 χ^2/NDF:82.4/54

Out: 0.000+/-0.000 χ^2/NDF:104.2/60

All: 0.000+/-0.000 χ^2/NDF: 188.5/115



Right In: 0.007+/-0.000 χ^2/NDF: 8355645.2/31

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 12122411.8/35

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

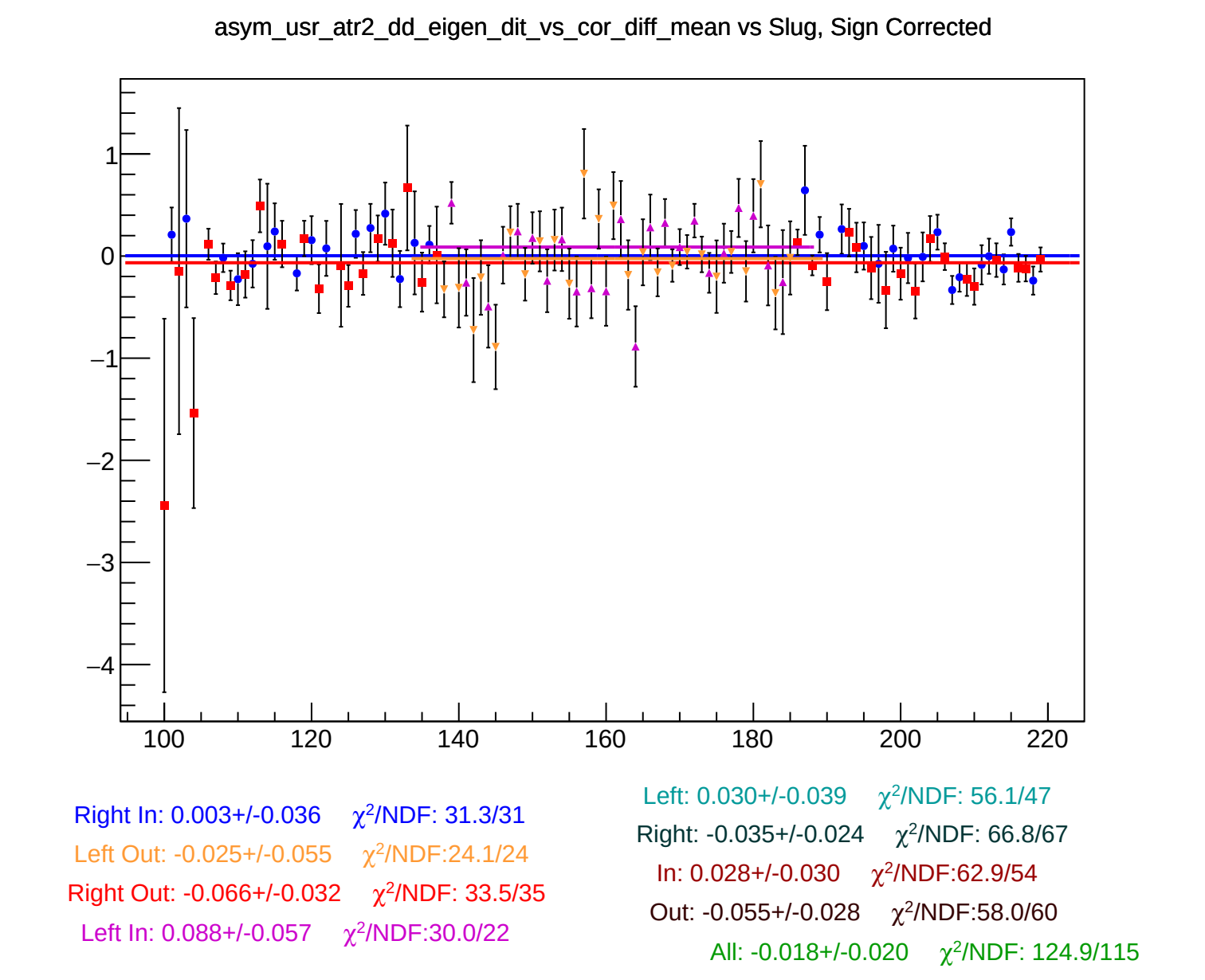
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

Right: 0.007+/-0.000 χ^2/NDF: 20704525.8/67

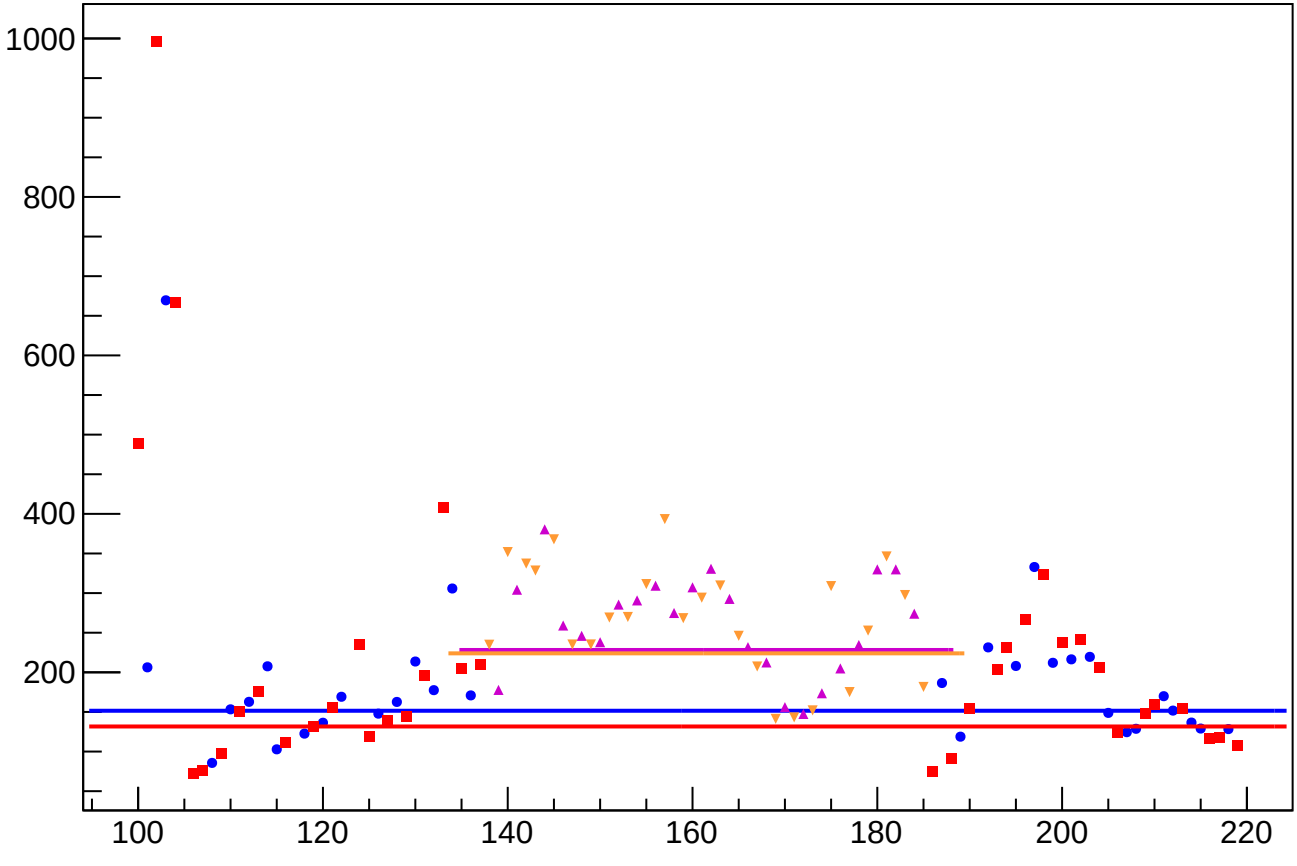
In: 0.006+/-0.000 χ^2/NDF:17272179.3/54

Out: 0.006+/-0.000 χ^2/NDF:20134173.9/60

All: 0.006+/-0.000 χ^2/NDF: 37406503.8/115


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: 0.003+/-0.036 χ²/NDF: 31.3/31
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: -0.066+/-0.032 χ²/NDF: 33.5/35
Left In: 0.088+/-0.057 χ²/NDF:30.0/22
Left: 0.030+/-0.039 χ²/NDF: 56.1/47
Right: -0.035+/-0.024 χ²/NDF: 66.8/67
In: 0.028+/-0.030 χ²/NDF:62.9/54
Out: -0.055+/-0.028 χ²/NDF:58.0/60
All: -0.018+/-0.020 χ²/NDF: 124.9/115

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.498+/-0.026 χ^2/NDF: 3315541.0/31

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 131.649+/-0.023 χ^2/NDF: 6220348.0/35

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

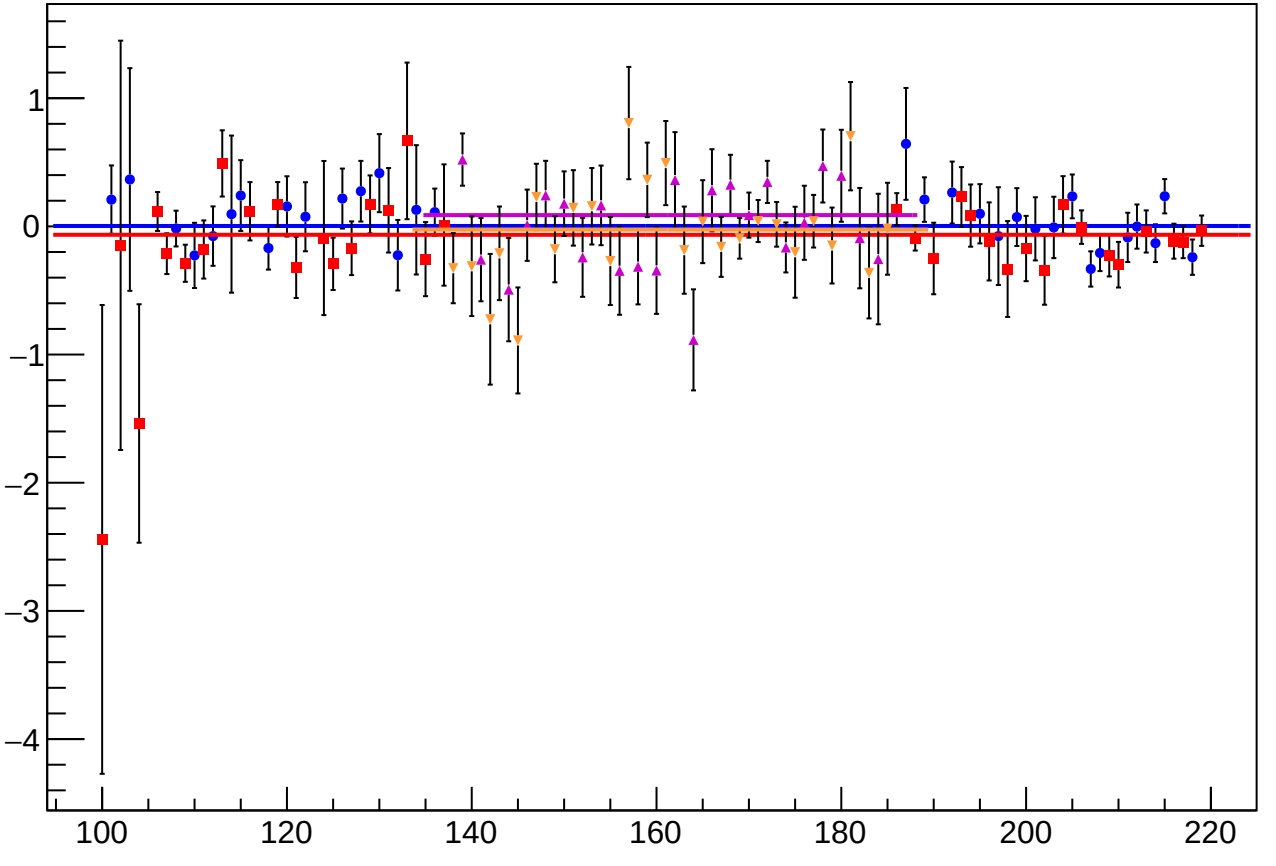
Right: 140.384+/-0.017 χ^2/NDF: 9873130.5/67

In: 173.707+/-0.022 χ^2/NDF:8408634.5/54

Out: 155.320+/-0.020 χ^2/NDF:13908270.1/60

All: 163.618+/-0.014 χ^2/NDF: 22716079.9/11

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.036 χ^2/NDF: 31.3/31

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.066+/-0.032 χ^2/NDF: 33.5/35

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

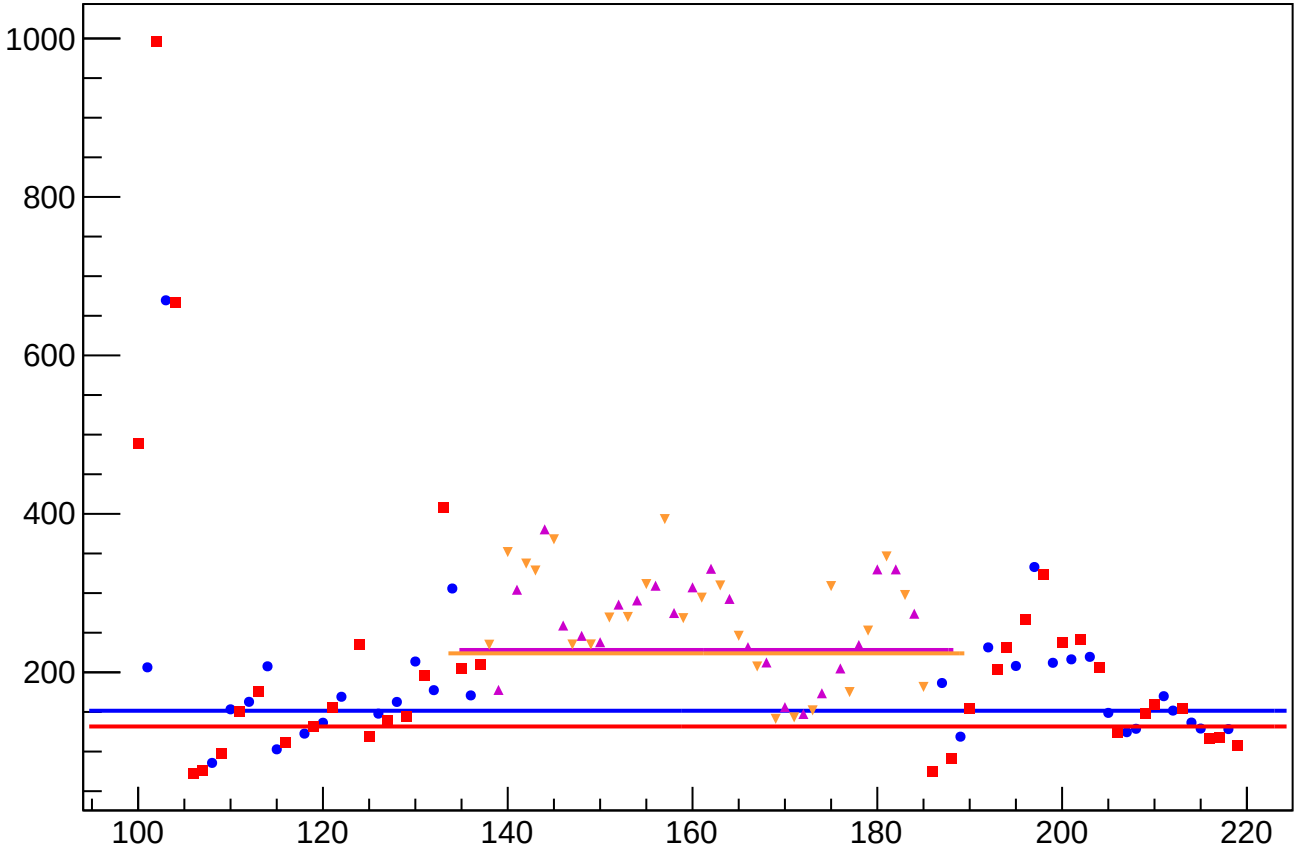
Right: -0.035+/-0.024 χ^2/NDF: 66.8/67

In: 0.028+/-0.030 χ^2/NDF:62.9/54

Out: -0.055+/-0.028 χ^2/NDF:58.0/60

All: -0.018+/-0.020 χ^2/NDF: 124.9/115

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.498+/-0.026 χ^2/NDF: 3315541.0/31

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 131.649+/-0.023 χ^2/NDF: 6220348.0/35

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

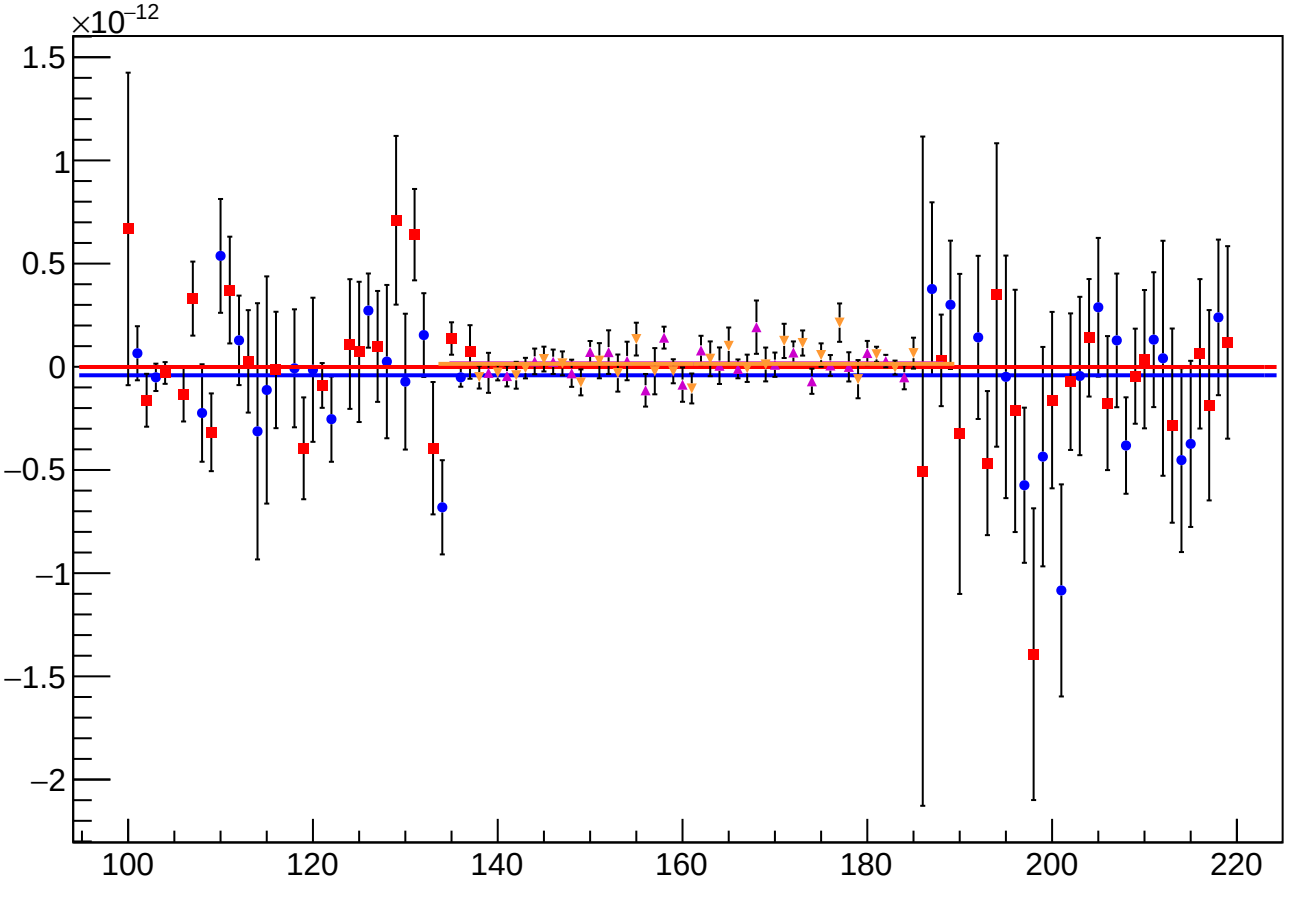
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 140.384+/-0.017 χ^2/NDF: 9873130.5/67

In: 173.707+/-0.022 χ^2/NDF:8408634.5/54

Out: 155.320+/-0.020 χ^2/NDF:13908270.1/60

All: 163.618+/-0.014 χ^2/NDF: 22716079.9/11



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.6/35

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

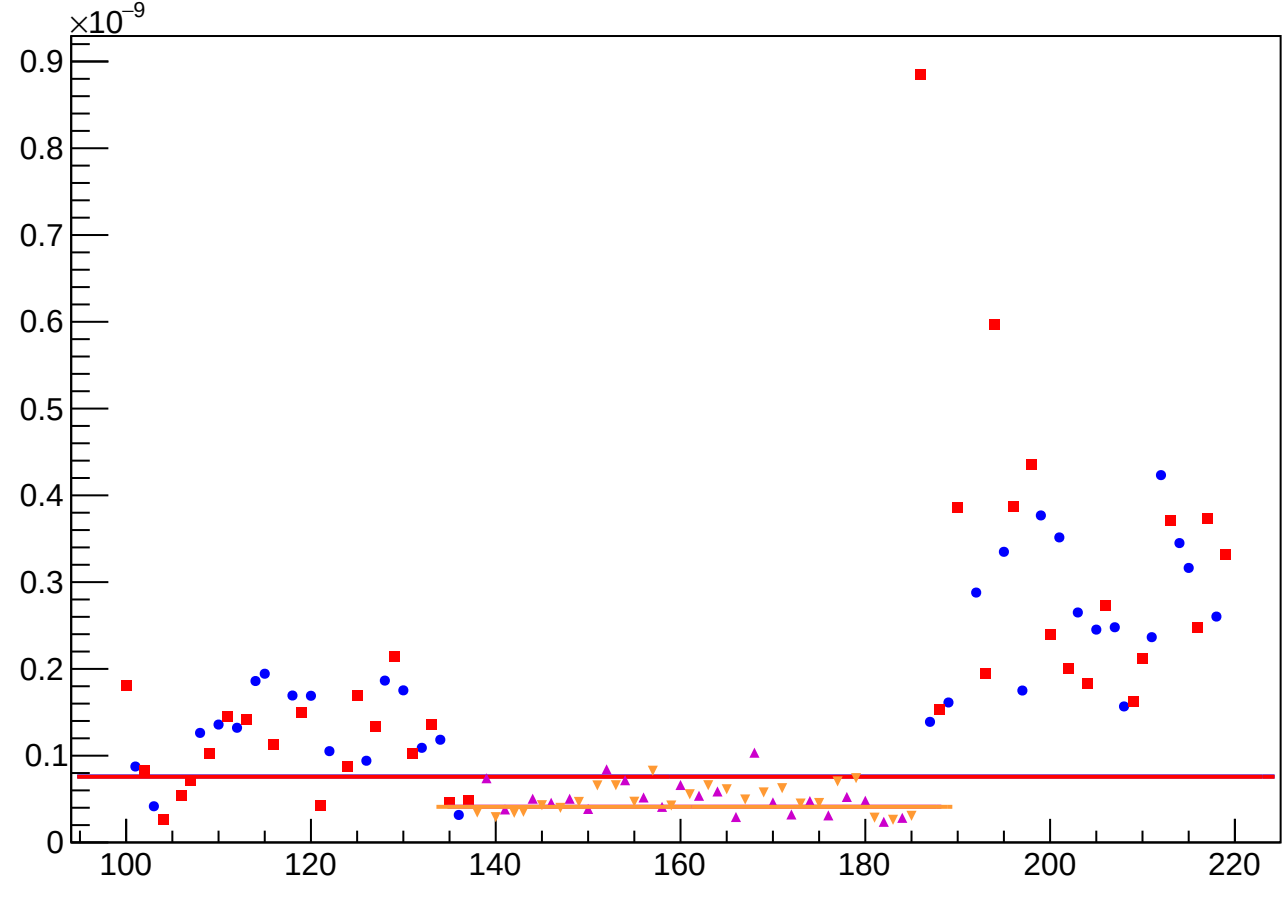
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

Right: -0.000+/-0.000 χ^2/NDF: 74.8/67

In: 0.000+/-0.000 χ^2/NDF:59.2/54

Out: 0.000+/-0.000 χ^2/NDF:65.1/60

All: 0.000+/-0.000 χ^2/NDF: 124.3/115



Right In: 0.000+/-0.000 χ^2/NDF: 11294165.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11774226.5/35

Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

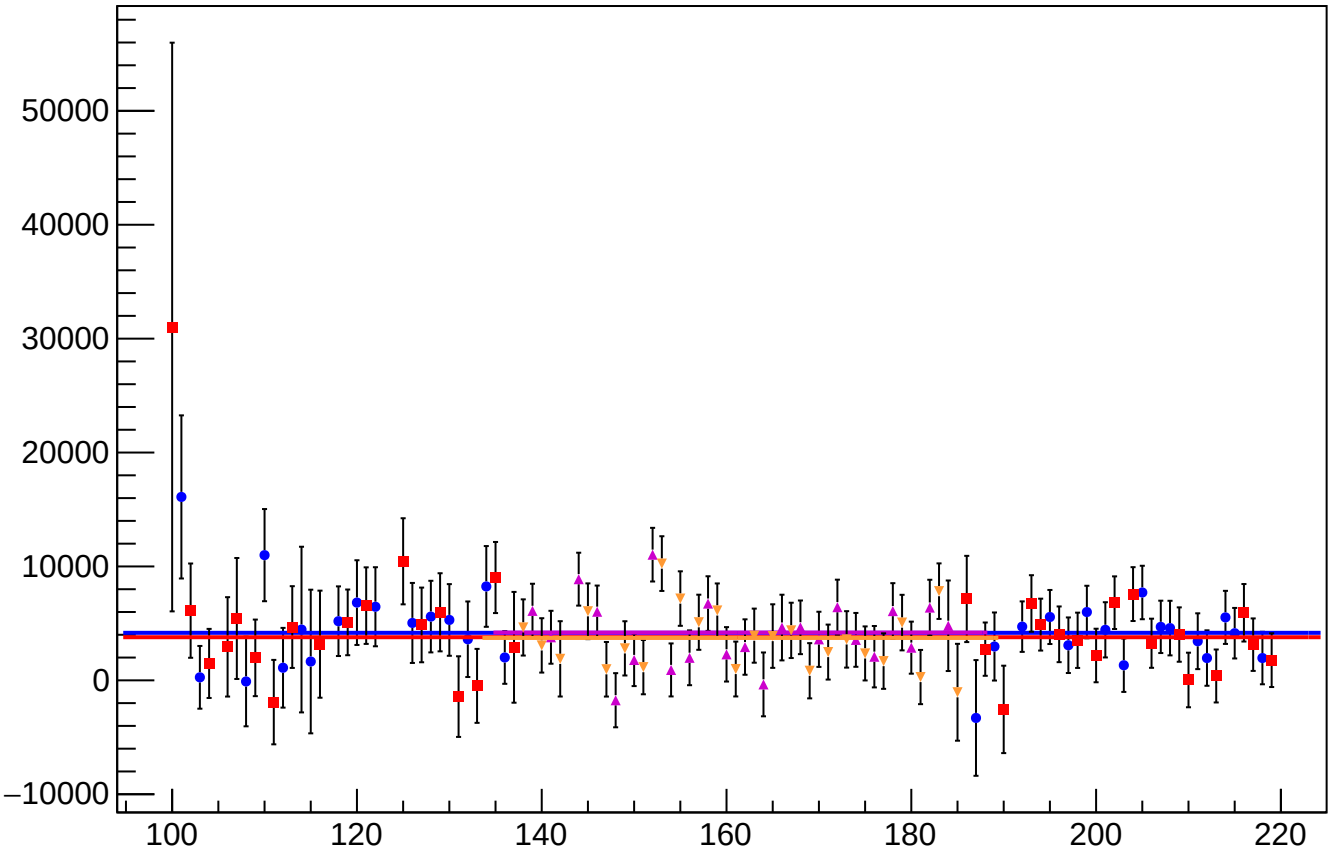
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 23068535.1/67

In: 0.000+/-0.000 χ^2/NDF:16398020.4/54

Out: 0.000+/-0.000 χ^2/NDF:16690733.4/60

All: 0.000+/-0.000 χ^2/NDF: 33089564.1/115



Right In: 4172.338+/-499.894 χ^2/NDF: 23.0/31

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 3785.844+/-490.794 χ^2/NDF: 32.6/34

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

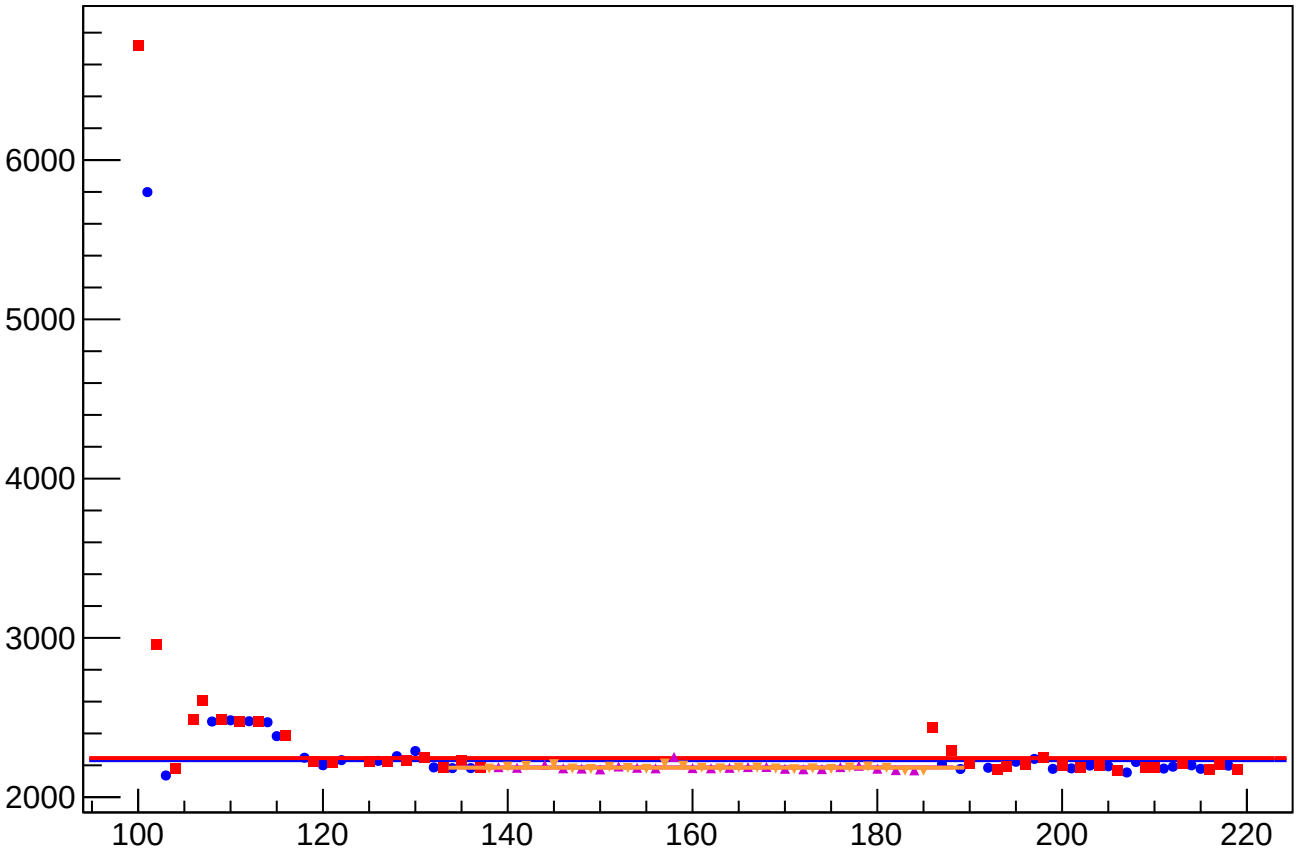
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 3975.541+/-350.217 χ^2/NDF: 55.9/66

In: 4183.891+/-357.196 χ^2/NDF:55.1/54

Out: 3755.687+/-352.686 χ^2/NDF:58.0/58

All: 3967.069+/-250.966 χ^2/NDF: 113.8/113



Right In: 2232.435+/-0.353 χ^2/NDF: 540081.3/31

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2245.327+/-0.347 χ^2/NDF: 191911.6/34

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

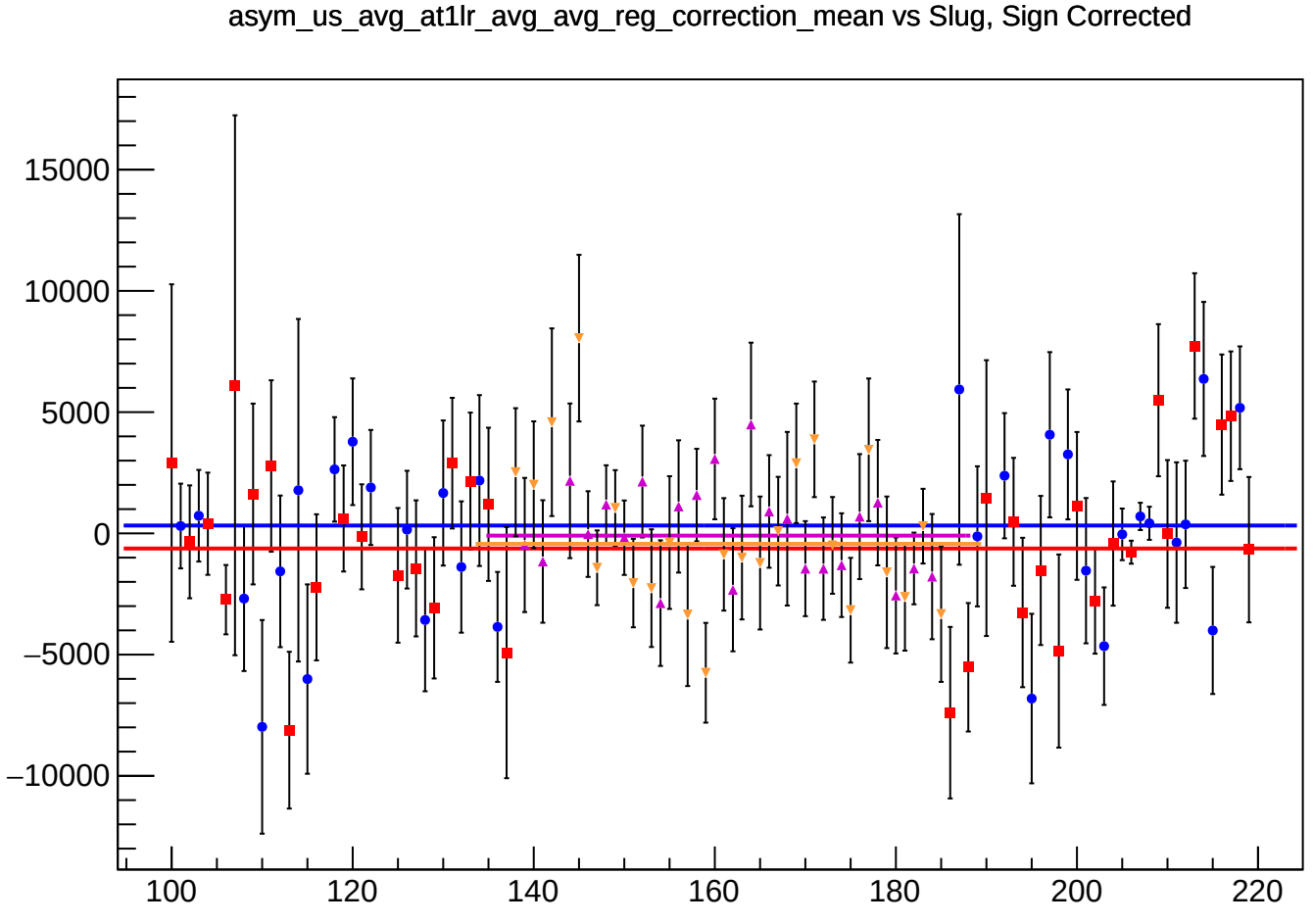
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

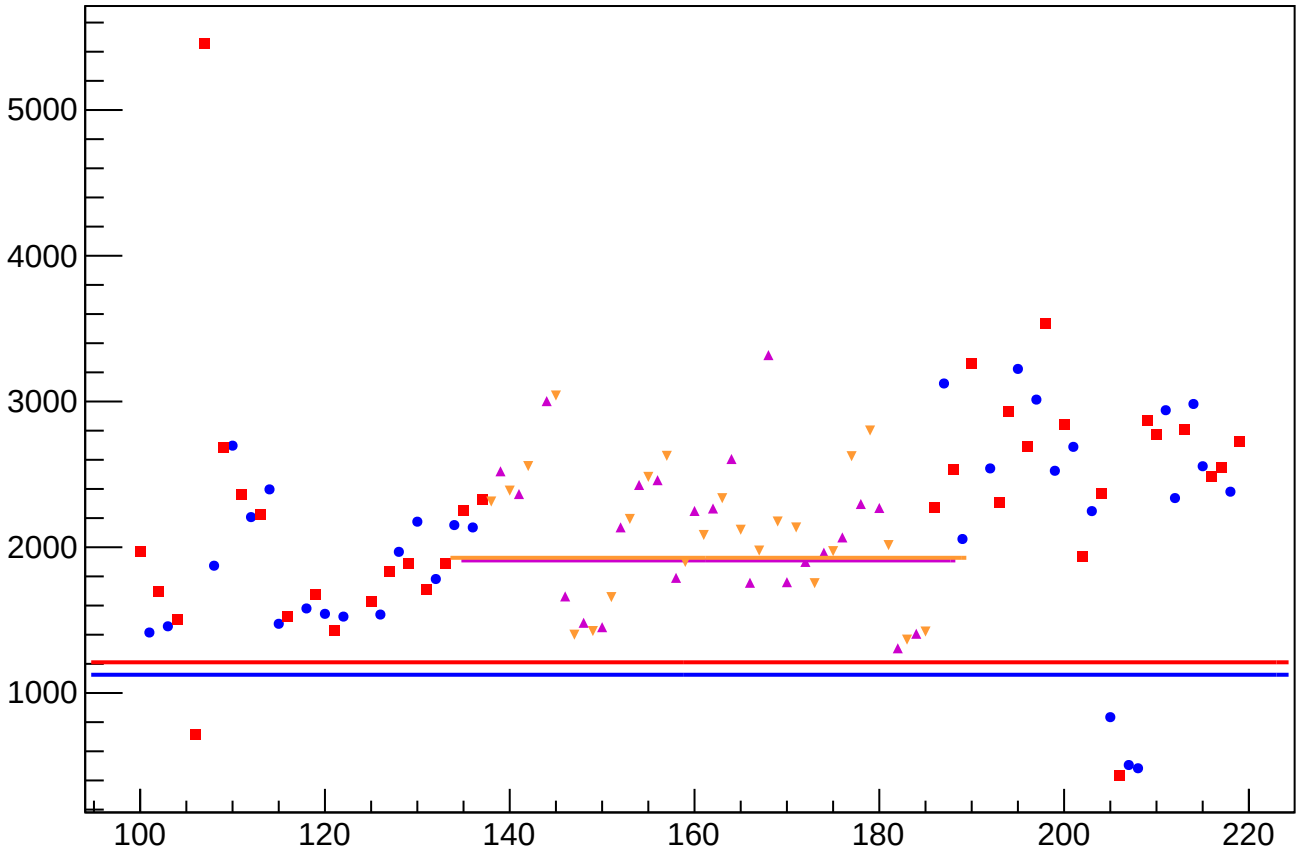
Right: 2238.999+/-0.248 χ^2/NDF: 732670.1/66

In: 2210.073+/-0.253 χ^2/NDF:550322.2/54

Out: 2216.216+/-0.249 χ^2/NDF:207275.7/58

All: 2213.184+/-0.177 χ^2/NDF: 757897.5/113


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 323.829+/-316.253 χ²/NDF: 40.1/31
Left Out: -432.286+/-462.383 χ²/NDF:31.3/23
Right Out: -624.293+/-337.816 χ²/NDF: 44.7/34
Left In: -92.649+/-460.669 χ²/NDF:12.8/22
Left: -261.837+/-326.347 χ²/NDF: 44.3/46
Right: -119.009+/-230.872 χ²/NDF: 89.0/66
In: 190.420+/-260.727 χ²/NDF:53.4/54
Out: -557.472+/-272.772 χ²/NDF:76.1/58
All: -166.648+/-188.476 χ²/NDF: 133.4/113



Right In: 1125.178+/-0.224 χ^2/NDF: 13116354.7/31

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1210.625+/-0.239 χ^2/NDF: 14989932.6/34

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

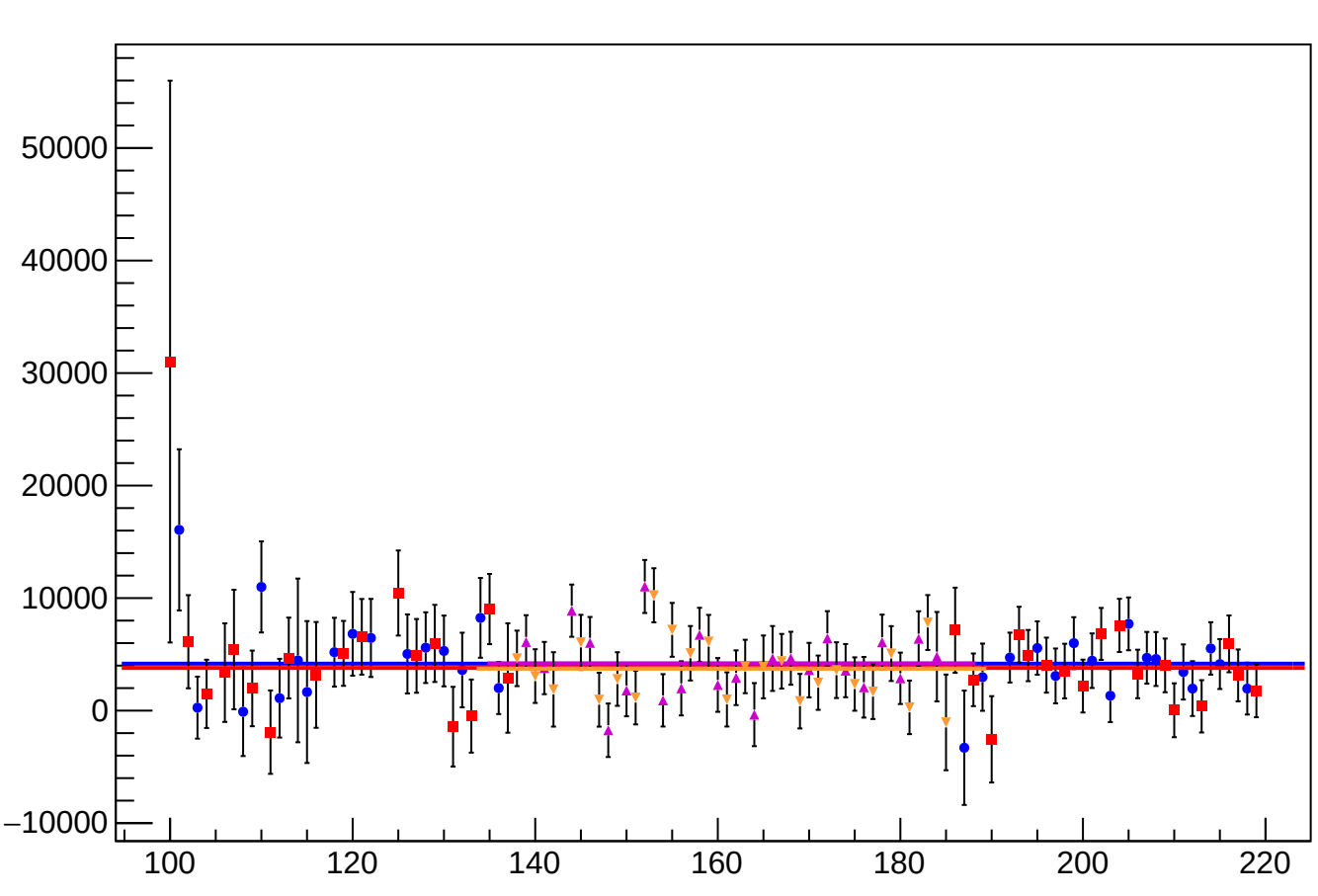
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1165.087+/-0.163 χ^2/NDF: 28174480.3/66

In: 1376.453+/-0.184 χ^2/NDF:19000164.3/54

Out: 1460.163+/-0.193 χ^2/NDF:19924094.7/58

All: 1416.419+/-0.133 χ^2/NDF: 39022689.4/1



Right In: 4172.109+/-499.894 χ^2/NDF: 23.0/31

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 3791.601+/-490.821 χ^2/NDF: 32.5/34

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

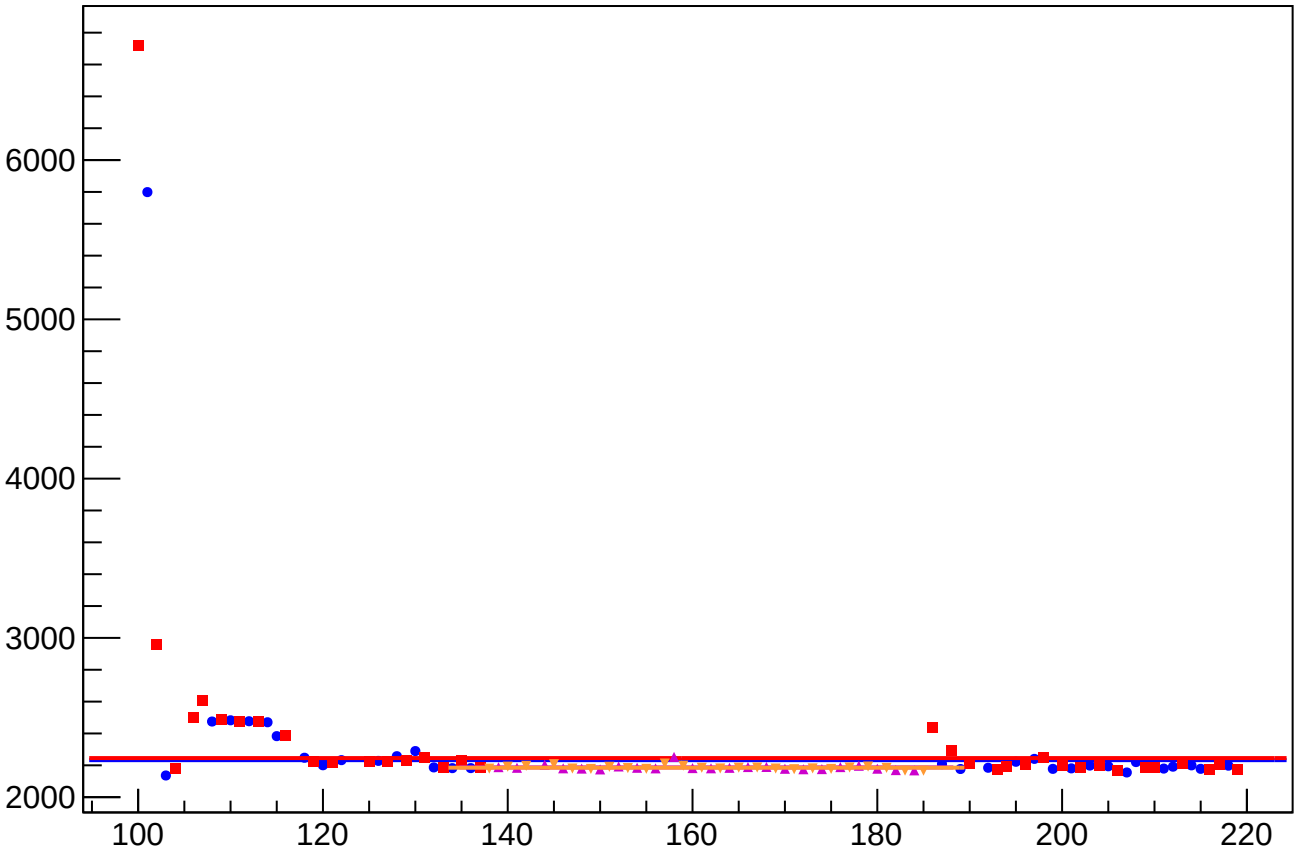
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 3978.371+/-350.227 χ^2/NDF: 55.8/66

In: 4183.832+/-357.196 χ^2/NDF:55.1/54

Out: 3758.633+/-352.696 χ^2/NDF:58.0/58

All: 3968.537+/-250.970 χ^2/NDF: 113.8/113



Right In: 2232.435+/-0.353 χ^2/NDF: 540081.7/31

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2245.435+/-0.347 χ^2/NDF: 192416.5/34

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

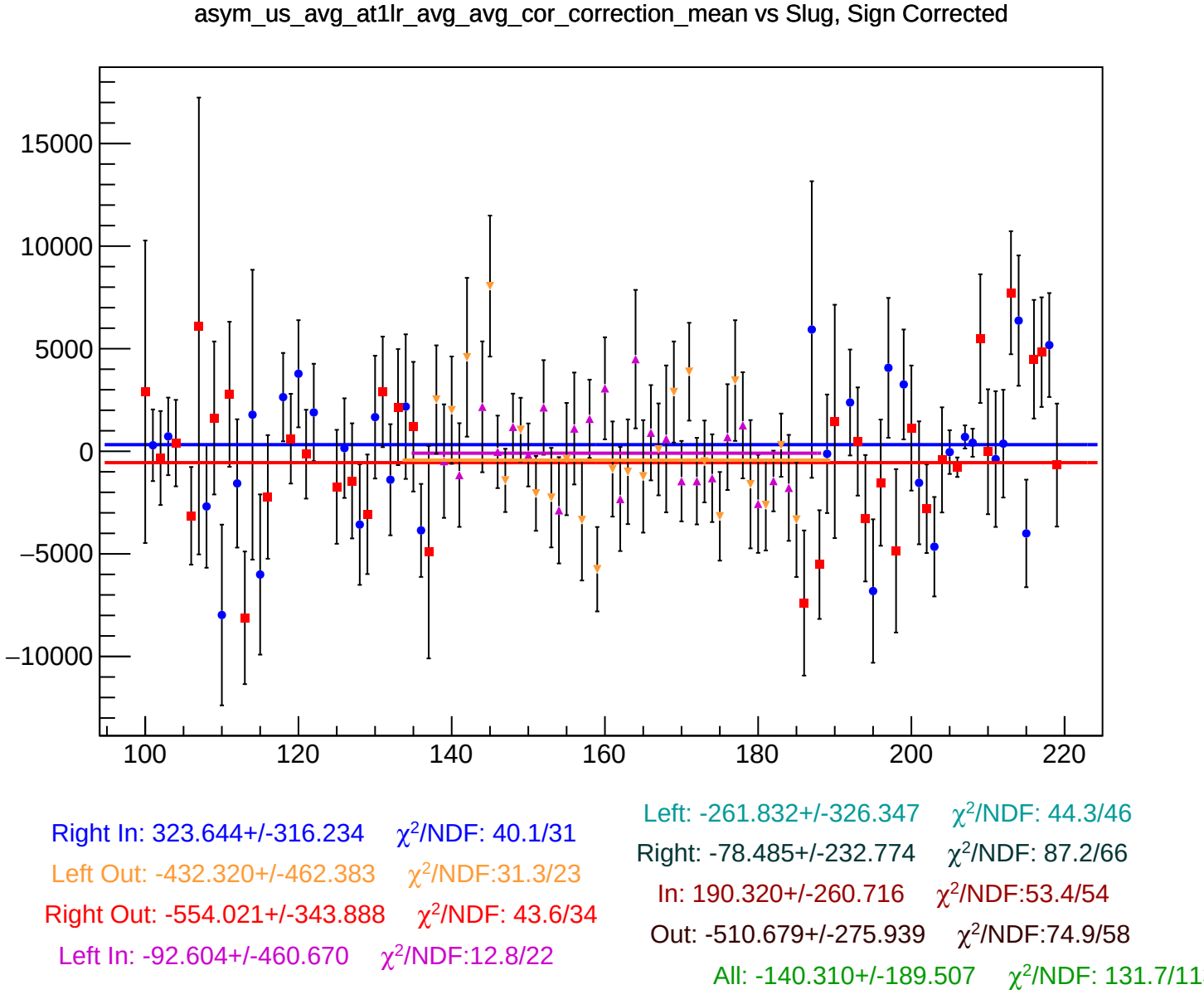
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

Right: 2239.054+/-0.248 χ^2/NDF: 733186.8/66

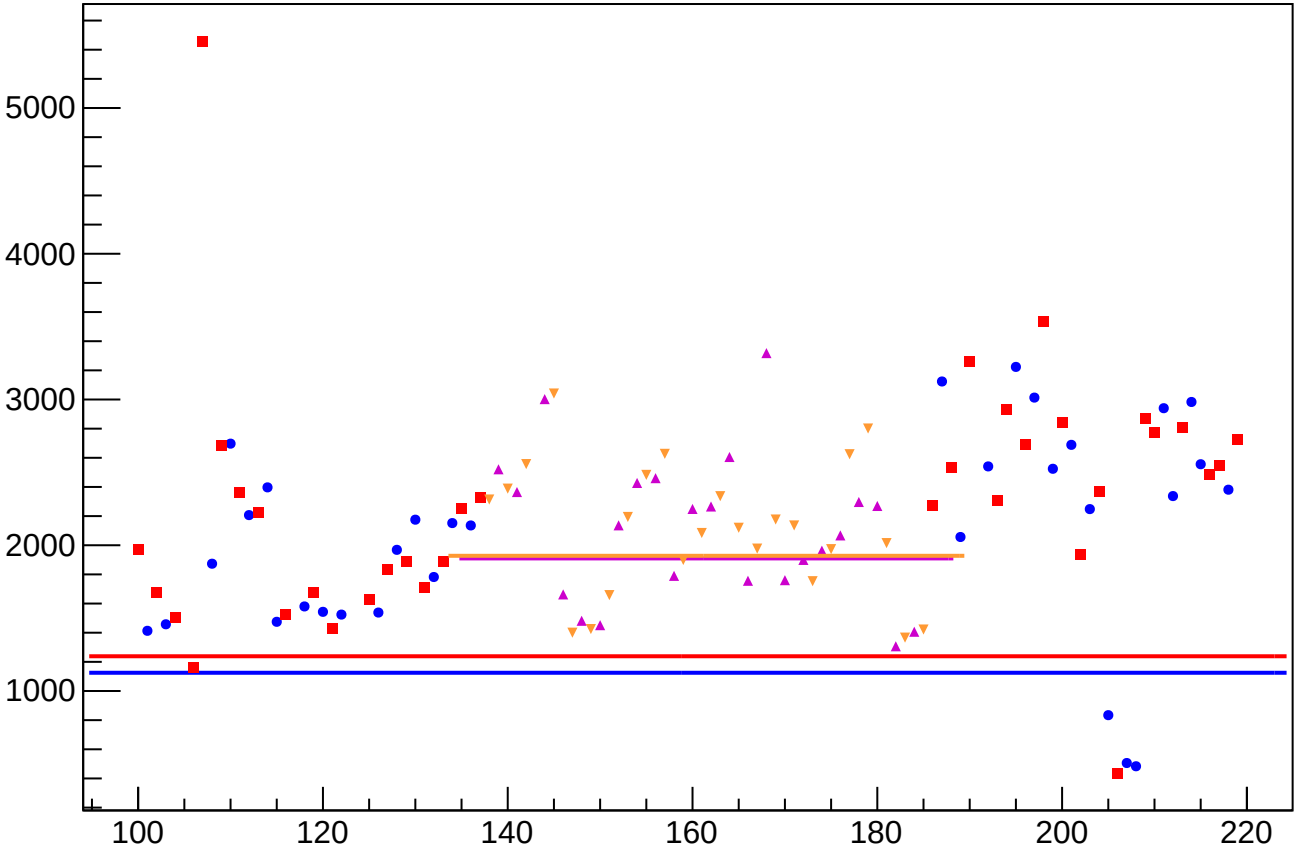
In: 2210.073+/-0.253 χ^2/NDF:550322.6/54

Out: 2216.271+/-0.249 χ^2/NDF:207832.0/58

All: 2213.211+/-0.177 χ^2/NDF: 758459.5/113


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 323.644+/-316.234 χ²/NDF: 40.1/31
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: -554.021+/-343.888 χ²/NDF: 43.6/34
Left In: -92.604+/-460.670 χ²/NDF:12.8/22
Left: -261.832+/-326.347 χ²/NDF: 44.3/46
Right: -78.485+/-232.774 χ²/NDF: 87.2/66
In: 190.320+/-260.716 χ²/NDF:53.4/54
Out: -510.679+/-275.939 χ²/NDF:74.9/58
All: -140.310+/-189.507 χ²/NDF: 131.7/113

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1125.112+/-0.224 χ^2/NDF: 13116324.9/31

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1238.328+/-0.243 χ^2/NDF: 14733363.9/34

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

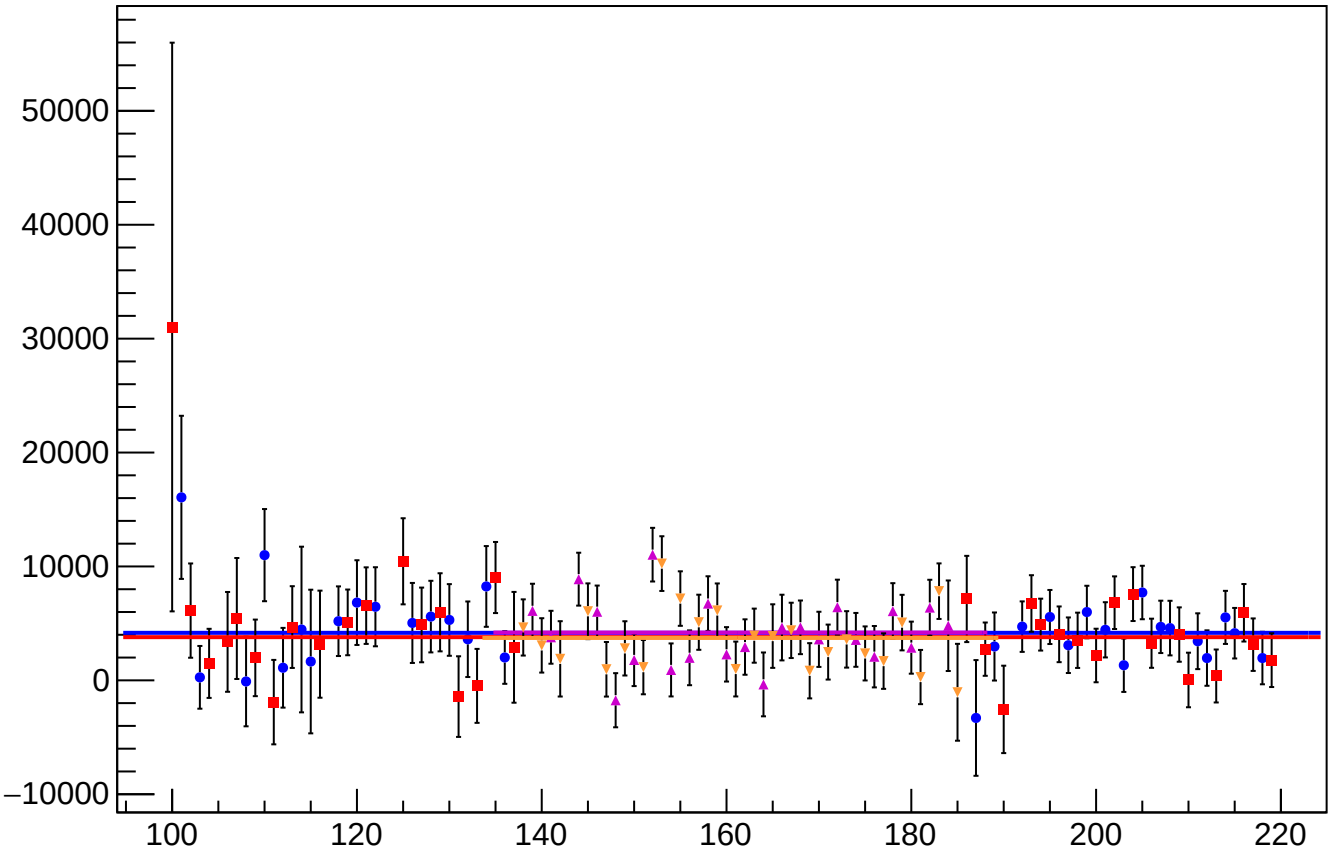
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1176.985+/-0.165 χ^2/NDF: 27967142.8/66

In: 1376.388+/-0.184 χ^2/NDF:19001011.7/54

Out: 1483.827+/-0.195 χ^2/NDF:19393791.4/58

All: 1427.062+/-0.134 χ^2/NDF: 38554997.6/



Right In: 4172.109+/-499.894 χ^2/NDF: 23.0/31

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 3791.601+/-490.821 χ^2/NDF: 32.5/34

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

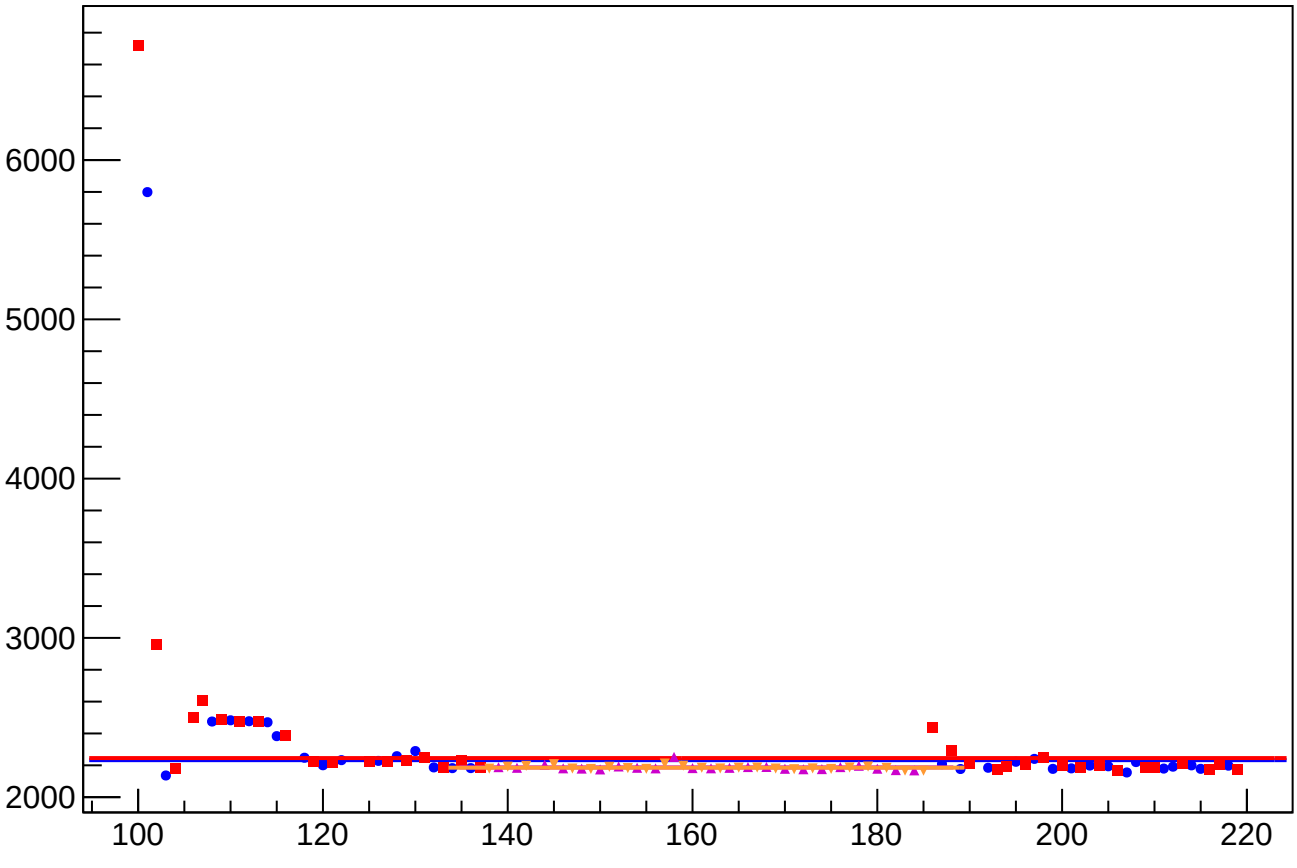
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 3978.371+/-350.227 χ^2/NDF: 55.8/66

In: 4183.832+/-357.196 χ^2/NDF:55.1/54

Out: 3758.633+/-352.696 χ^2/NDF:58.0/58

All: 3968.537+/-250.970 χ^2/NDF: 113.8/113



Right In: 2232.435+/-0.353 χ^2/NDF: 540081.7/31

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2245.435+/-0.347 χ^2/NDF: 192416.5/34

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

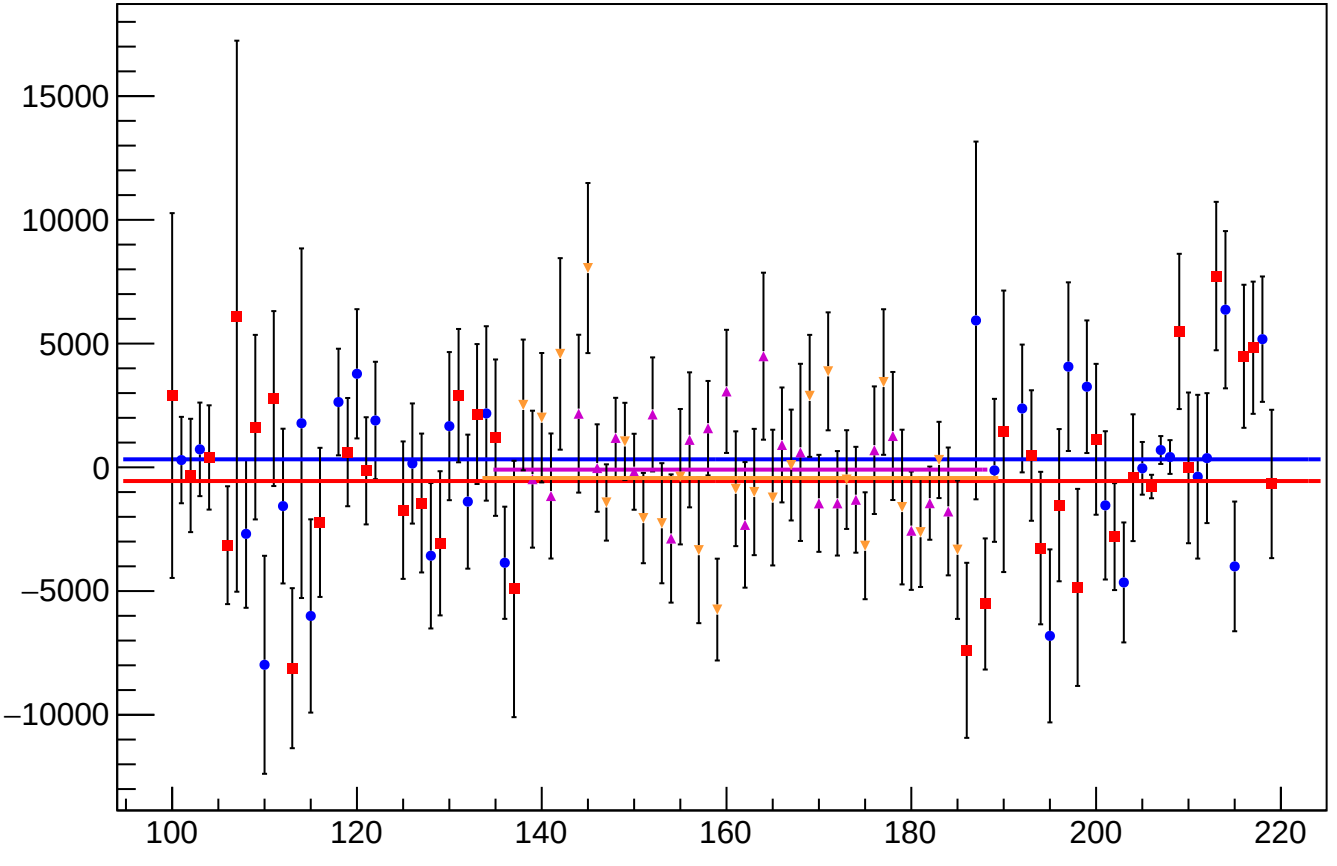
Right: 2239.054+/-0.248 χ^2/NDF: 733186.8/66

In: 2210.073+/-0.253 χ^2/NDF:550322.6/54

Out: 2216.271+/-0.249 χ^2/NDF:207832.0/58

All: 2213.211+/-0.177 χ^2/NDF: 758459.5/113

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 323.644+/-316.234 χ^2/NDF: 40.1/31

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -554.021+/-343.888 χ^2/NDF: 43.6/34

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

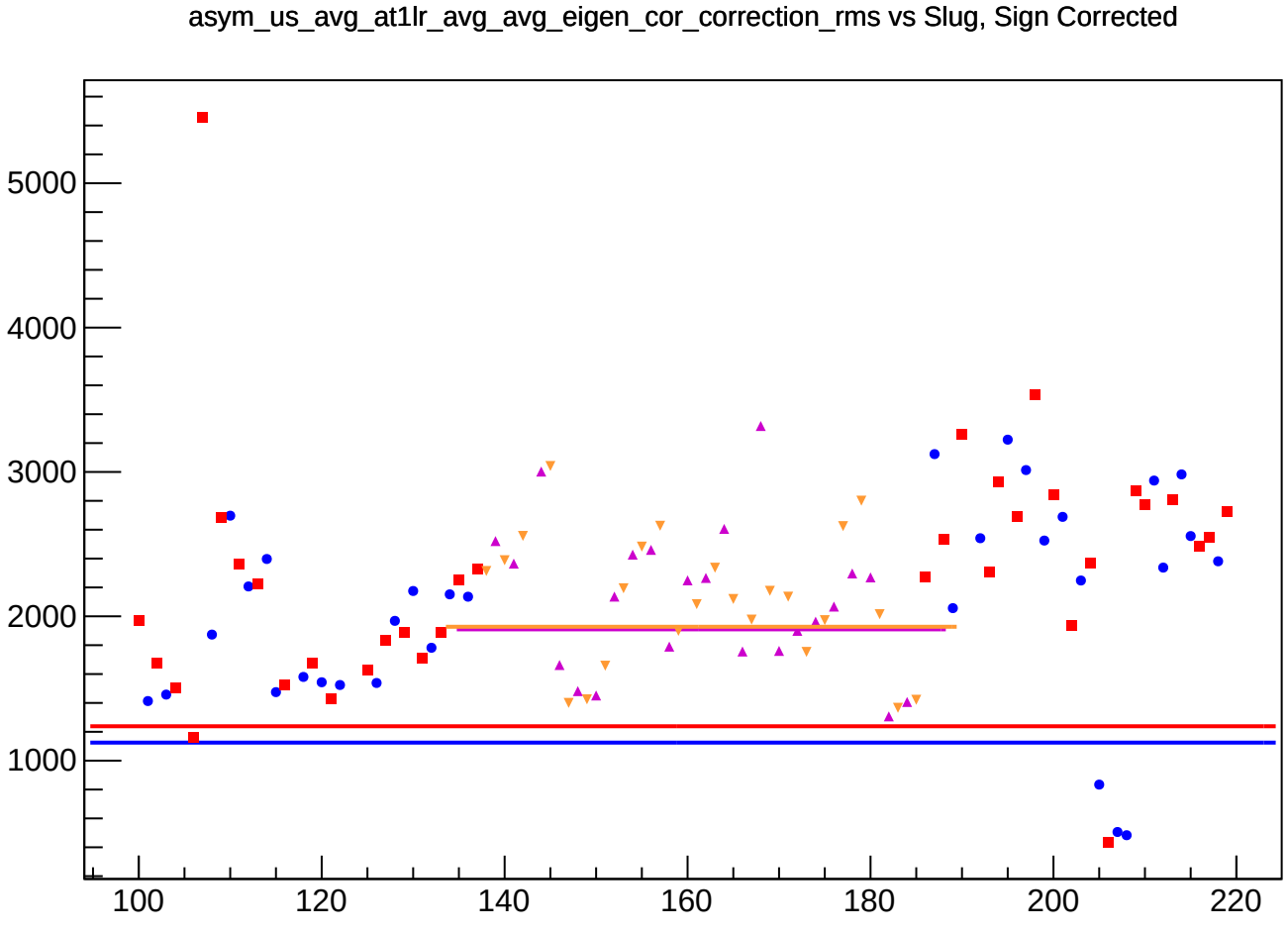
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -78.485+/-232.774 χ^2/NDF: 87.2/66

In: 190.320+/-260.716 χ^2/NDF:53.4/54

Out: -510.679+/-275.939 χ^2/NDF:74.9/58

All: -140.310+/-189.507 χ^2/NDF: 131.7/113



Right In: 1125.112+/-0.224 χ^2/NDF: 13116324.9/31

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1238.328+/-0.243 χ^2/NDF: 14733363.9/34

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

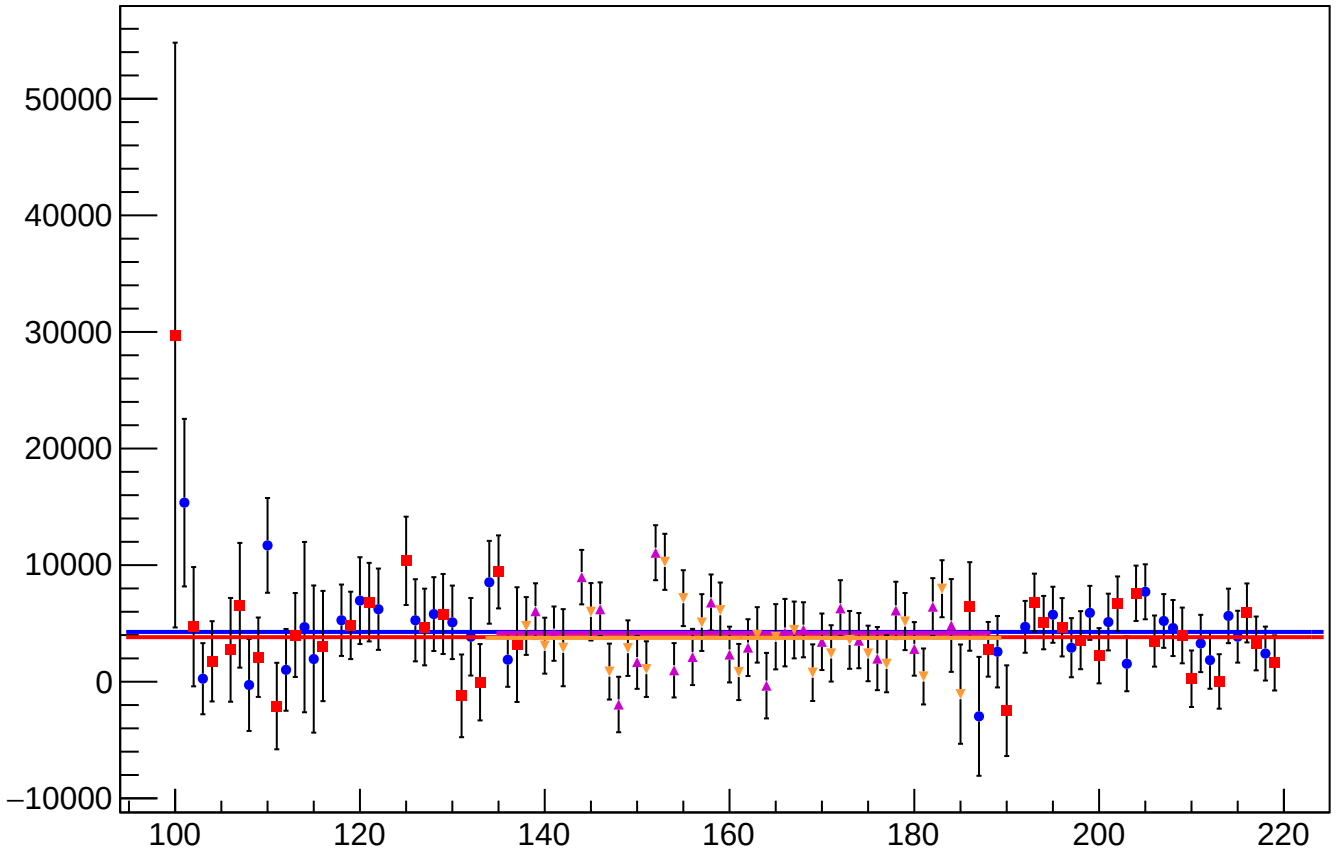
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1176.985+/-0.165 χ^2/NDF: 27967142.8/66

In: 1376.388+/-0.184 χ^2/NDF:19001011.7/54

Out: 1483.827+/-0.195 χ^2/NDF:19393791.4/58

All: 1427.062+/-0.134 χ^2/NDF: 38554997.6/



Right In: 4271.467+/-504.400 χ^2/NDF: 23.1/31

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 3821.441+/-496.926 χ^2/NDF: 31.6/34

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

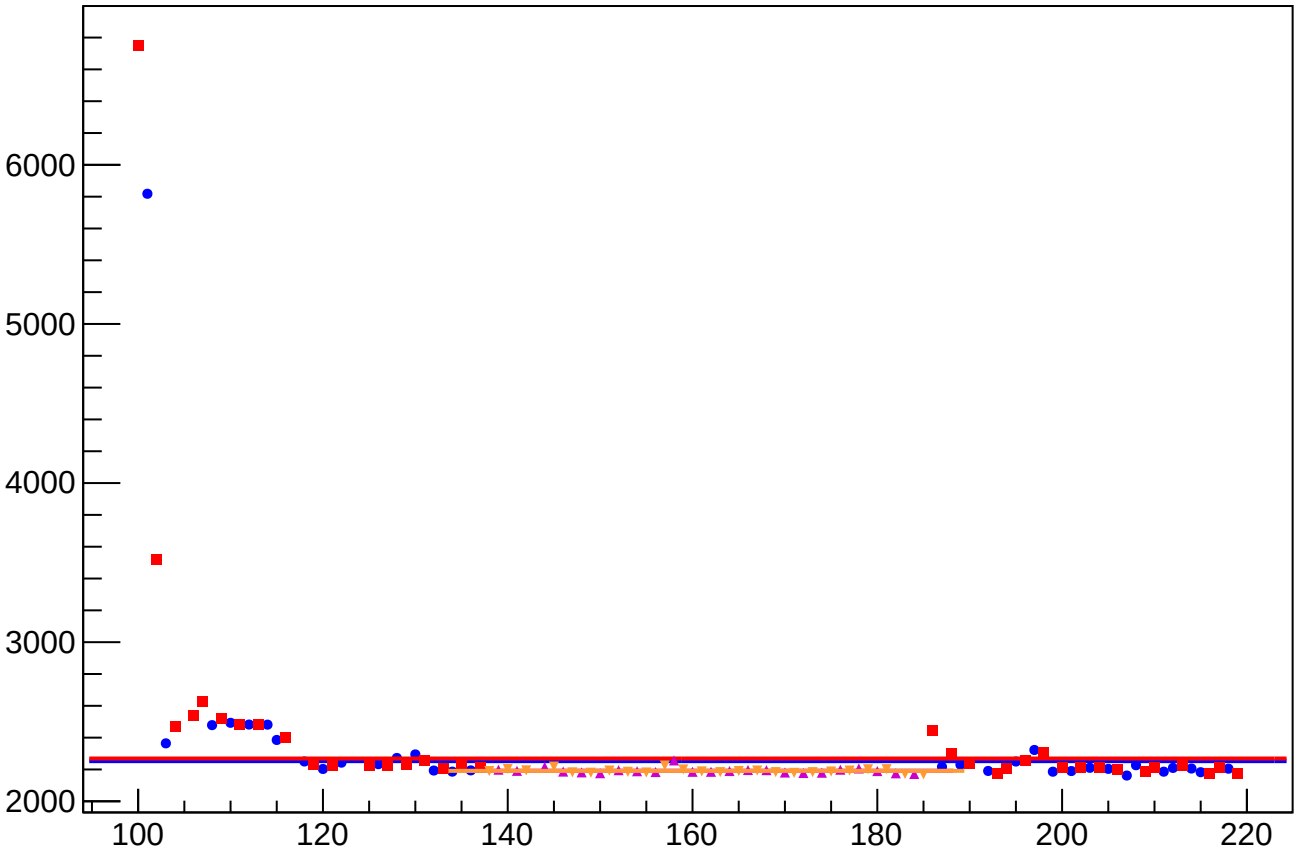
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4043.095+/-353.993 χ^2/NDF: 55.0/66

In: 4228.481+/-359.274 χ^2/NDF:55.7/54

Out: 3788.533+/-355.424 χ^2/NDF:57.3/58

All: 4006.137+/-252.673 χ^2/NDF: 113.8/113



Right In: 2252.175+/-0.357 χ^2/NDF: 540451.9/31

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2268.770+/-0.351 χ^2/NDF: 261937.1/34

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

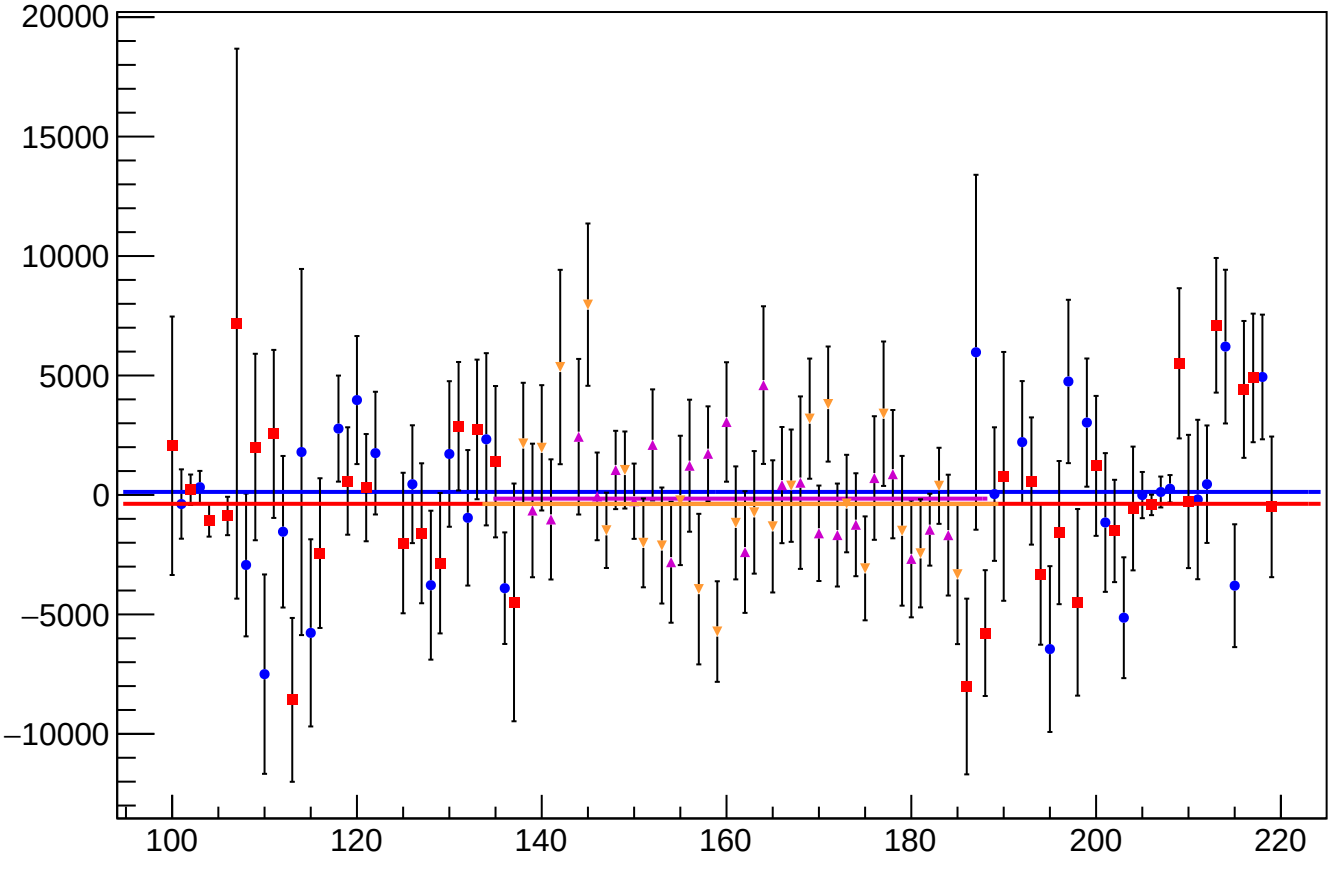
Right: 2260.596+/-0.250 χ^2/NDF: 803487.7/66

In: 2222.628+/-0.254 χ^2/NDF:556663.5/54

Out: 2230.857+/-0.251 χ^2/NDF:287001.9/58

All: 2226.787+/-0.179 χ^2/NDF: 844195.6/113

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 126.916+/-285.327 χ^2/NDF: 38.2/31

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: -371.010+/-258.357 χ^2/NDF: 43.9/34

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

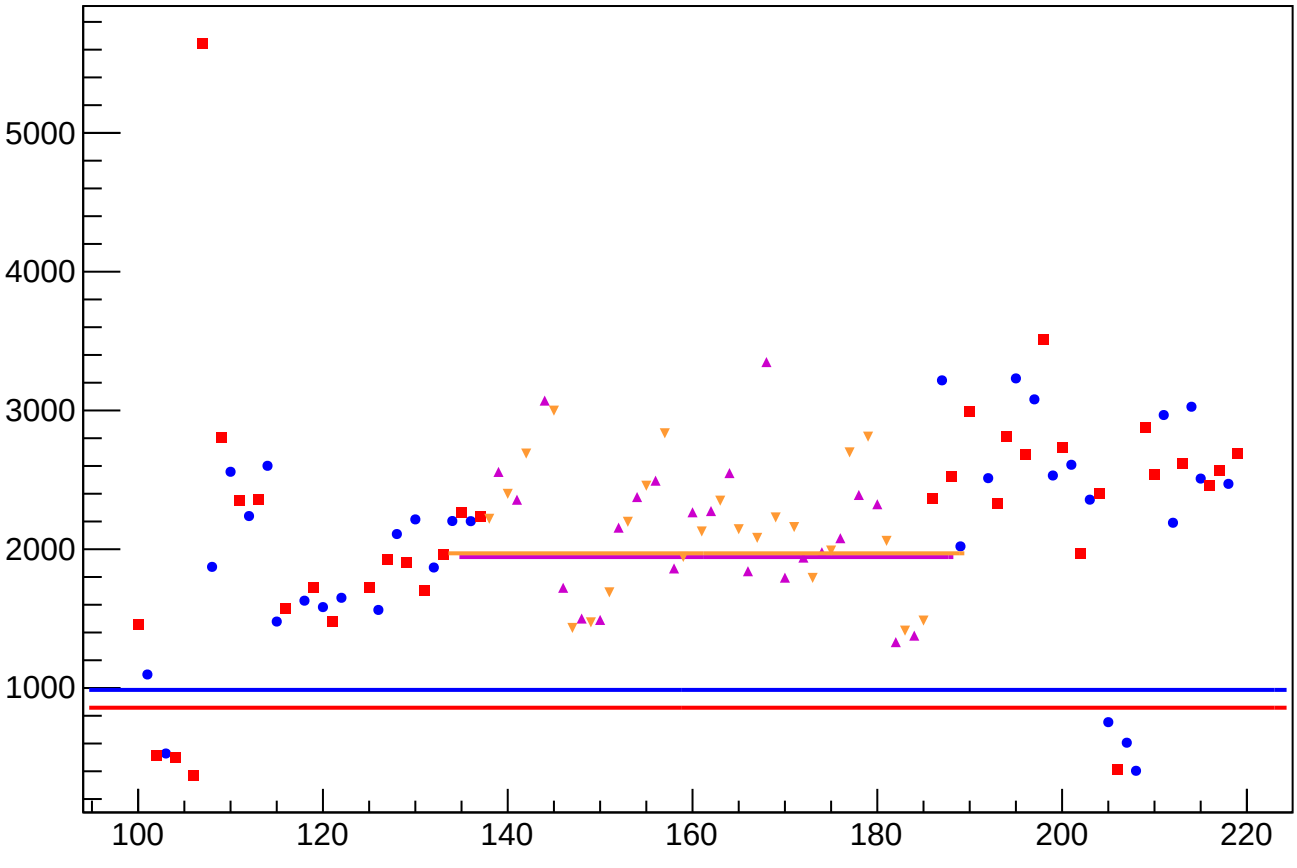
Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

Right: -146.686+/-191.513 χ^2/NDF: 83.8/66

In: 50.655+/-243.620 χ^2/NDF:51.3/54

Out: -373.199+/-226.571 χ^2/NDF:74.7/58

All: -176.621+/-165.910 χ^2/NDF: 127.6/113



Right In: 986.384+/-0.202 χ^2/NDF: 14718678.9/31

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 857.997+/-0.183 χ^2/NDF: 19165954.4/34

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

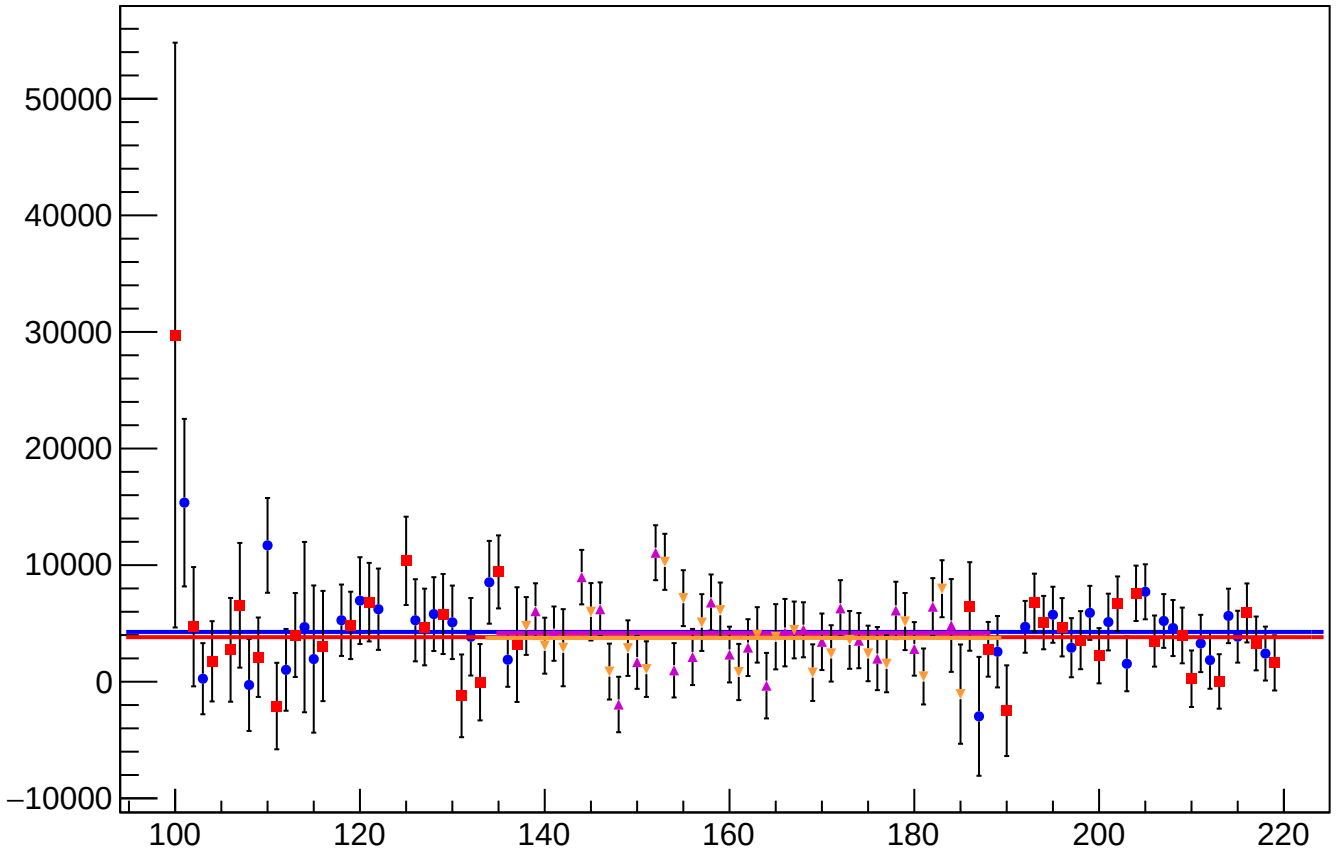
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 915.838+/-0.135 χ^2/NDF: 34107139.5/66

In: 1245.776+/-0.172 χ^2/NDF:22701545.0/54

Out: 1114.943+/-0.160 χ^2/NDF:29428881.8/58

All: 1175.622+/-0.117 χ^2/NDF: 52439726.7/1



Right In: 4271.466+/-504.400 χ^2/NDF: 23.1/31

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 3821.441+/-496.926 χ^2/NDF: 31.6/34

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

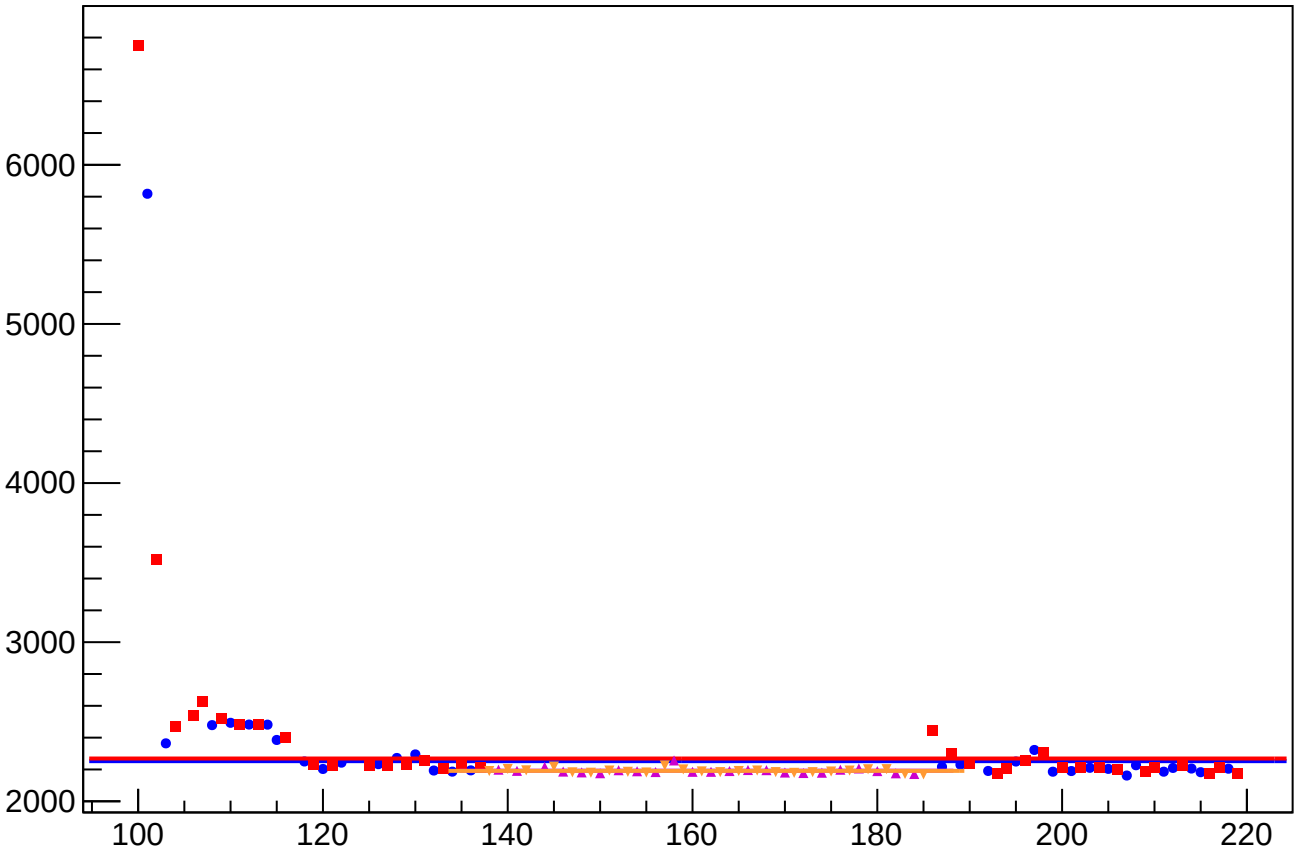
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4043.095+/-353.993 χ^2/NDF: 55.0/66

In: 4228.481+/-359.274 χ^2/NDF:55.7/54

Out: 3788.532+/-355.424 χ^2/NDF:57.3/58

All: 4006.137+/-252.673 χ^2/NDF: 113.8/113



Right In: 2252.174+/-0.357 χ^2/NDF: 540451.7/31

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2268.770+/-0.351 χ^2/NDF: 261935.8/34

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

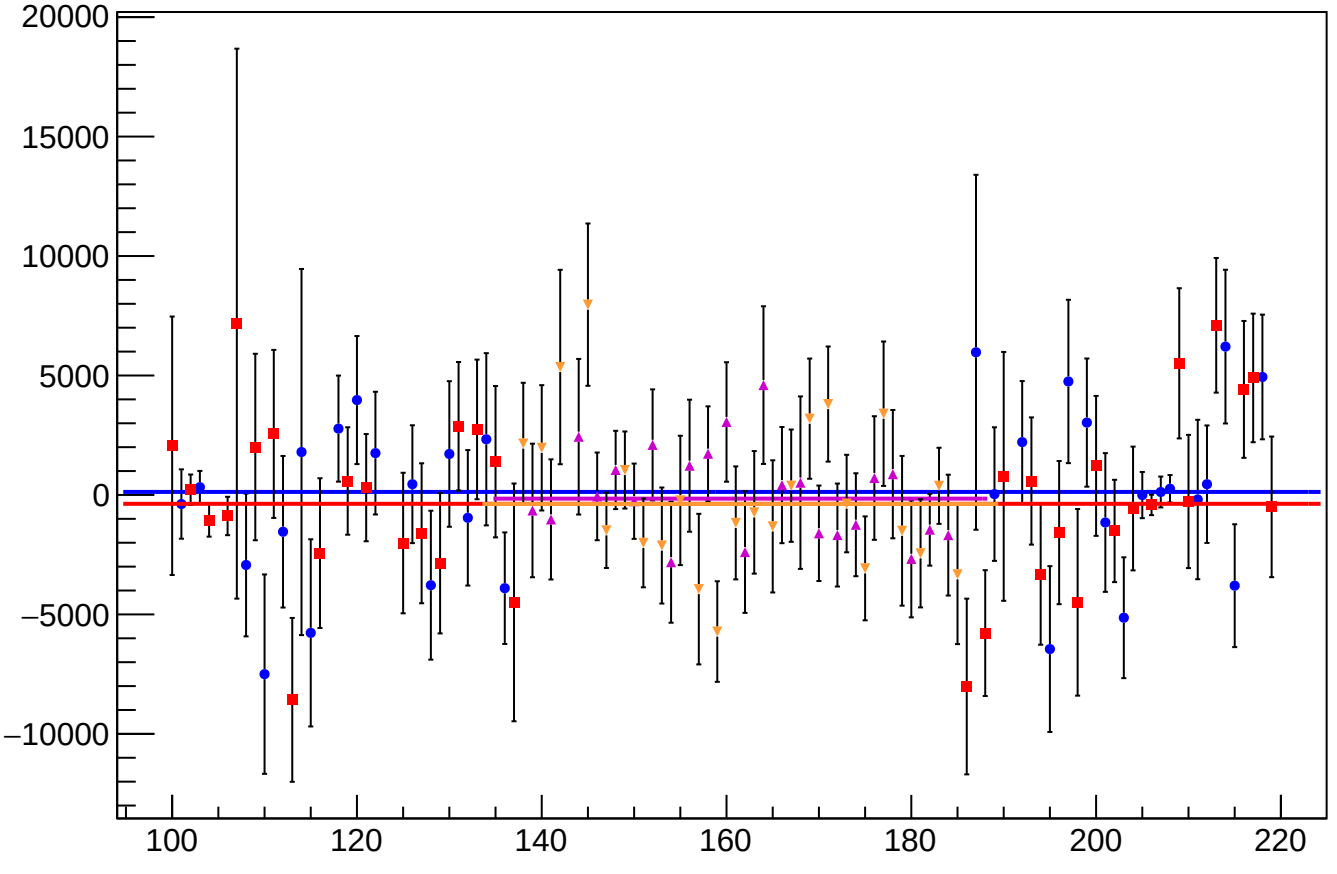
Right: 2260.596+/-0.250 χ^2/NDF: 803486.2/66

In: 2222.628+/-0.254 χ^2/NDF:556663.2/54

Out: 2230.857+/-0.251 χ^2/NDF:287000.4/58

All: 2226.787+/-0.179 χ^2/NDF: 844193.9/113

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 126.912+/-285.327 χ^2/NDF: 38.2/31

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

Right Out: -371.006+/-258.358 χ^2/NDF: 43.9/34

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

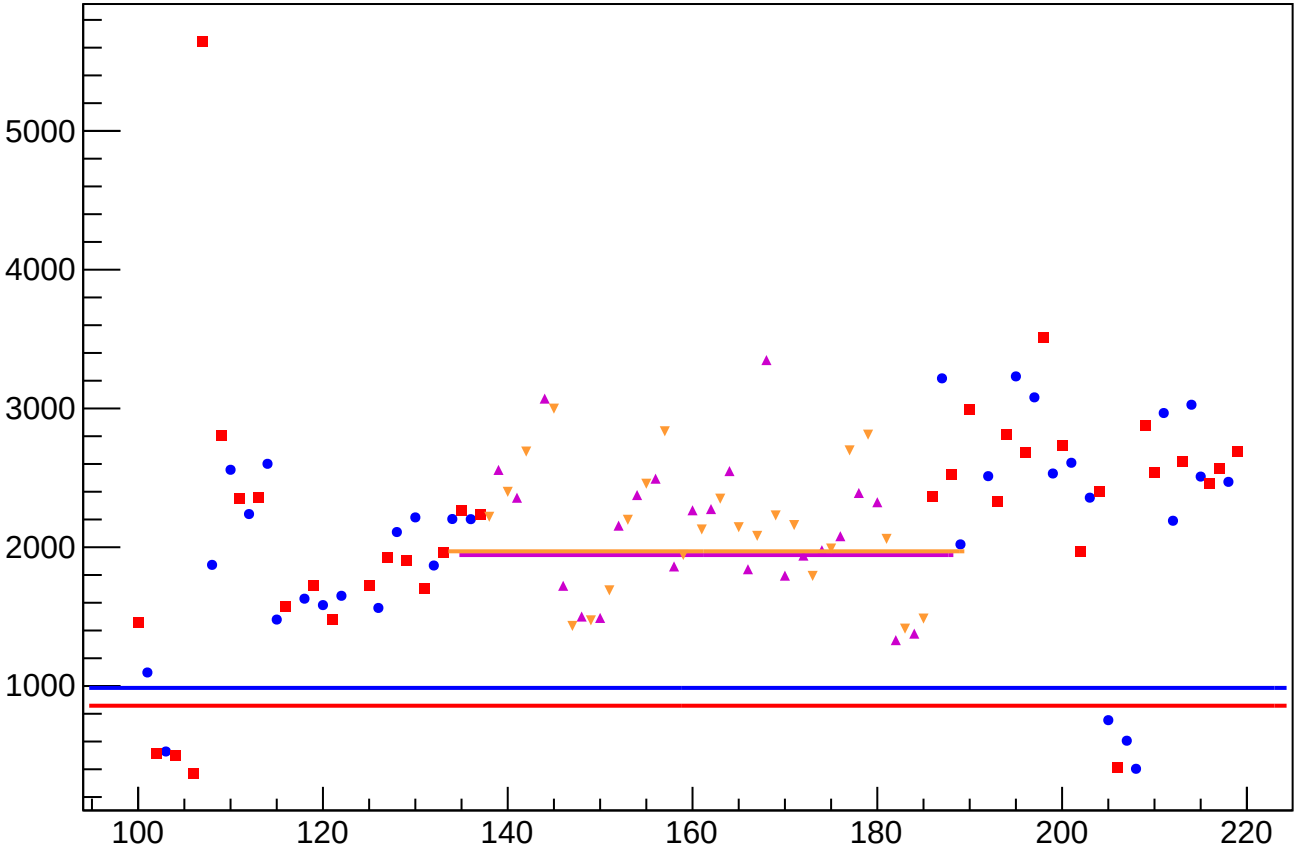
Right: -146.685+/-191.513 χ^2/NDF: 83.8/66

In: 50.652+/-243.620 χ^2/NDF:51.3/54

Out: -373.197+/-226.572 χ^2/NDF:74.7/58

All: -176.620+/-165.910 χ^2/NDF: 127.6/113

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 986.384+/-0.202 χ^2/NDF: 14718701.7/31

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 858.002+/-0.183 χ^2/NDF: 19165870.0/34

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

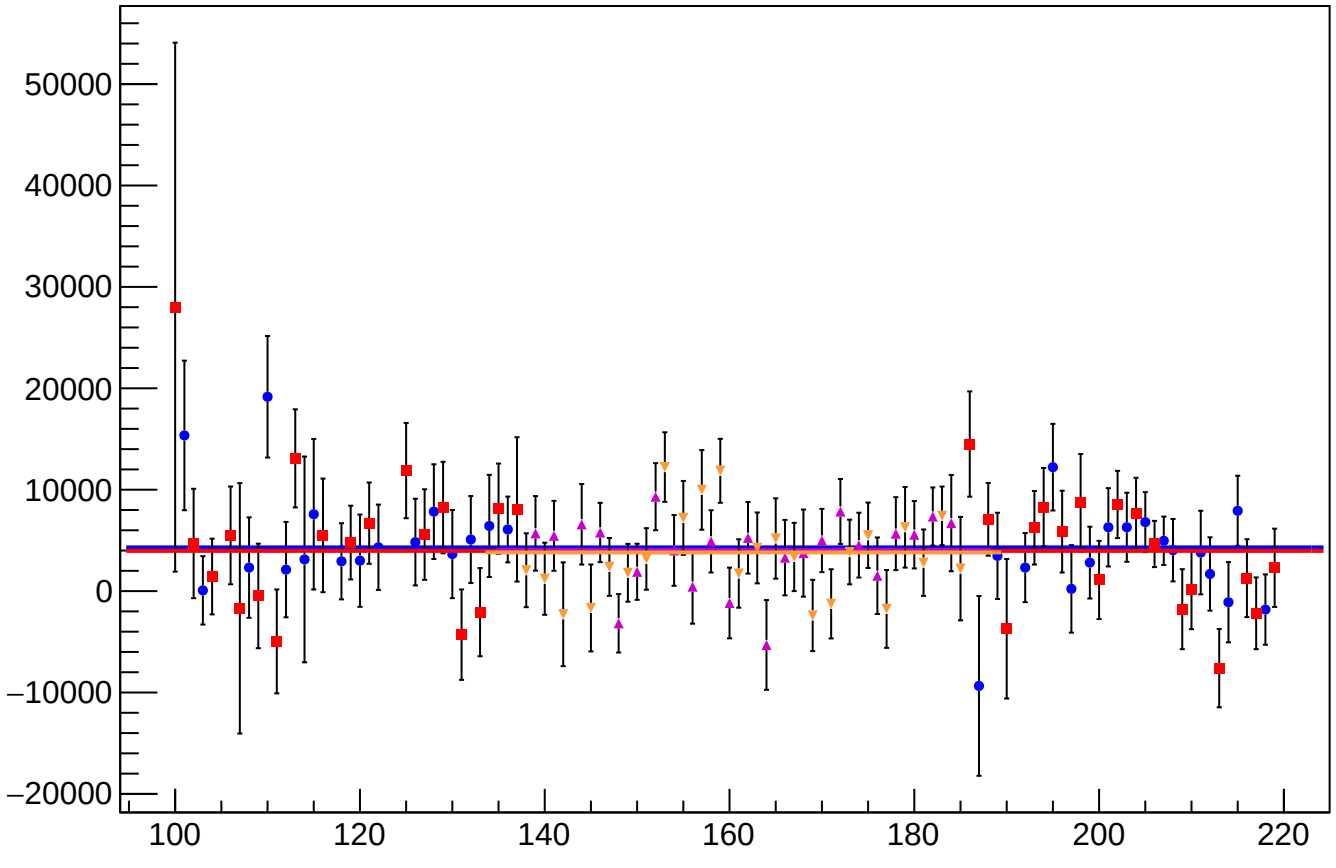
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 915.840+/-0.135 χ^2/NDF: 34107059.1/66

In: 1245.777+/-0.172 χ^2/NDF:22701595.6/54

Out: 1114.948+/-0.160 χ^2/NDF:29428734.8/58

All: 1175.625+/-0.117 χ^2/NDF: 52439604.5/1



Right In: 4309.004+/-703.119 χ^2/NDF: 27.2/31

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 3968.165+/-708.588 χ^2/NDF: 48.4/34

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

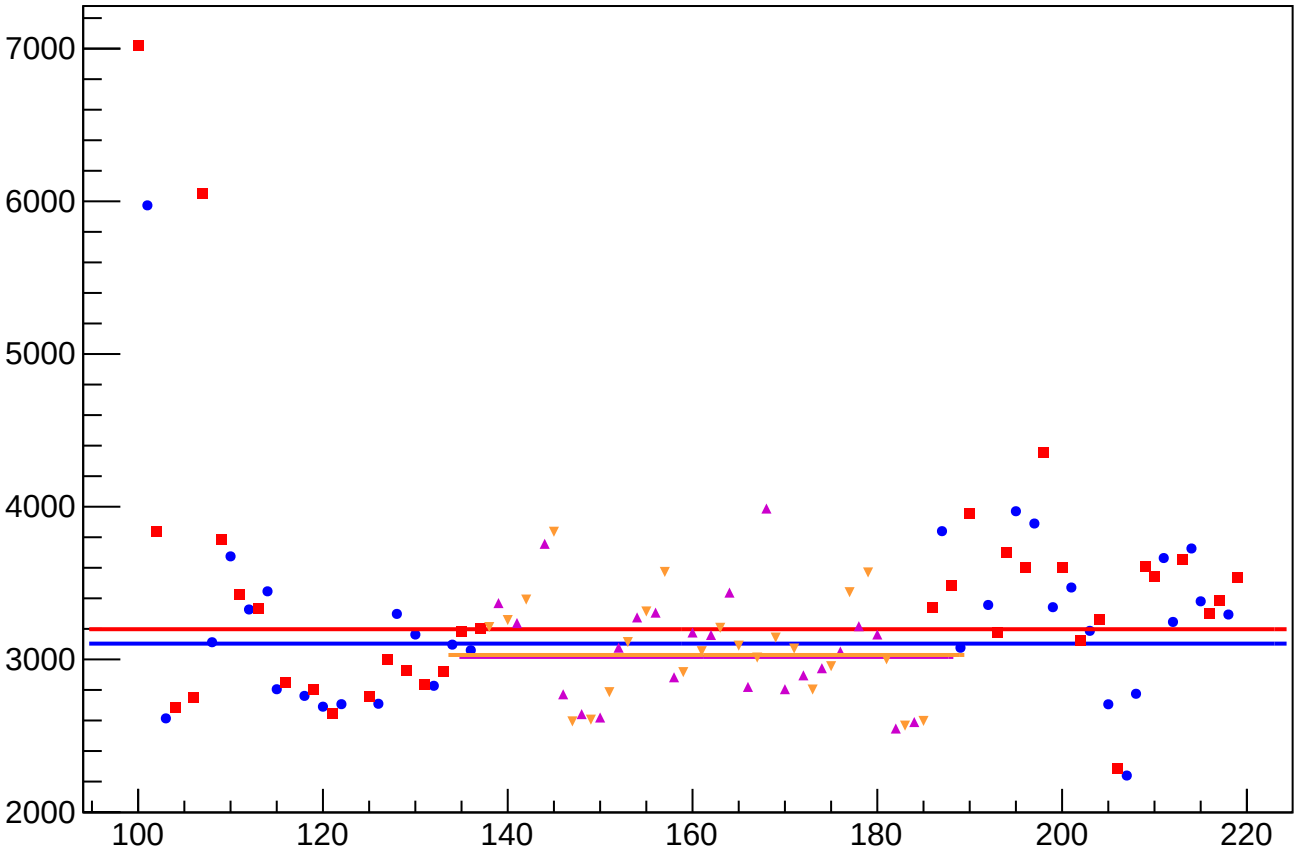
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 4139.905+/-499.102 χ^2/NDF: 75.7/66

In: 4176.931+/-499.446 χ^2/NDF:49.7/54

Out: 3892.971+/-500.950 χ^2/NDF:79.3/58

All: 4035.378+/-353.692 χ^2/NDF: 129.2/113



Right In: 3103.393+/-0.497 χ^2/NDF: 1084769.4/31

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3197.769+/-0.501 χ^2/NDF: 1022333.3/34

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

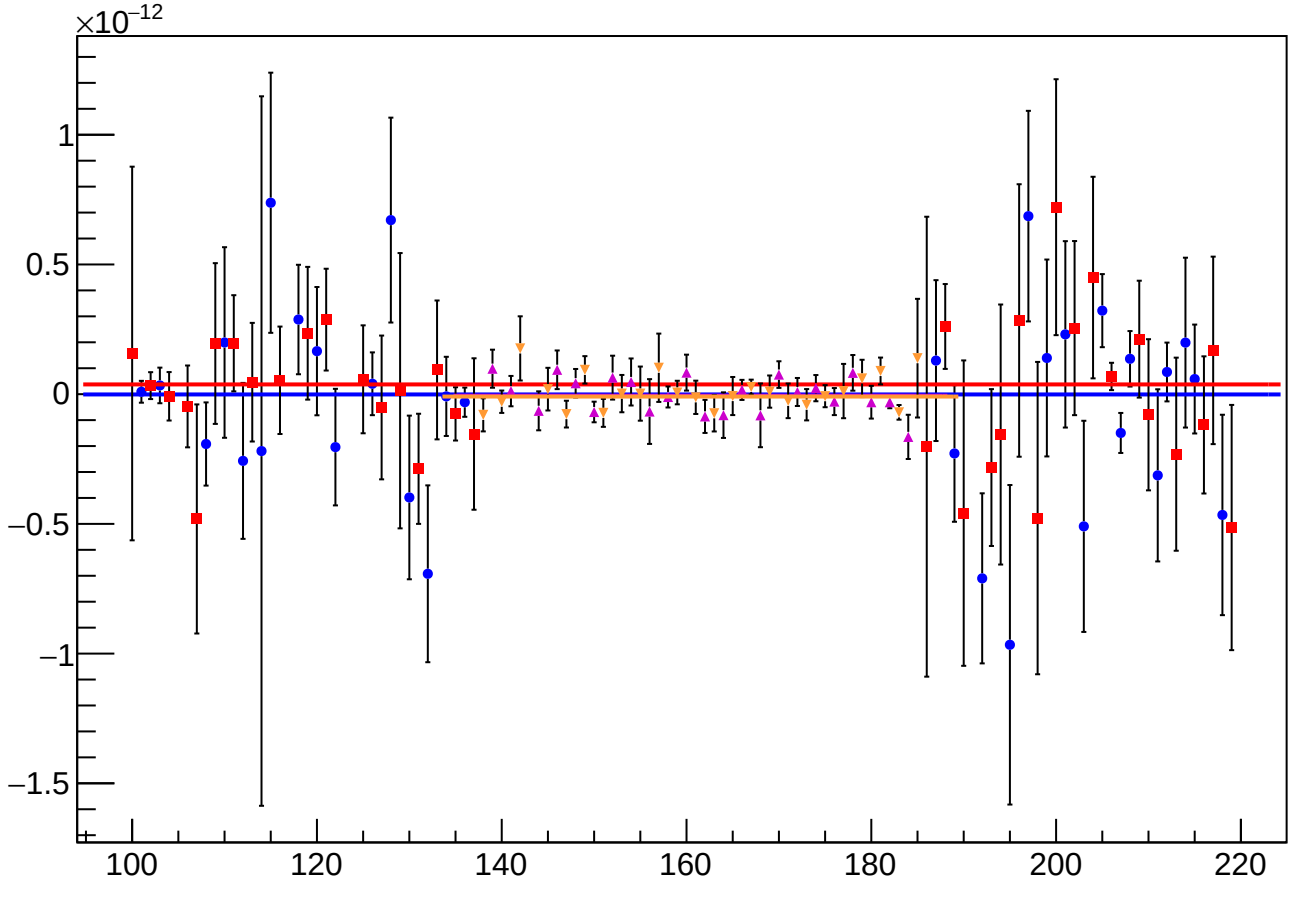
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3150.215+/-0.353 χ^2/NDF: 2124979.5/66

In: 3060.220+/-0.353 χ^2/NDF:1539886.8/54

Out: 3113.343+/-0.354 χ^2/NDF:1476205.9/58

All: 3086.702+/-0.250 χ^2/NDF: 3027372.0/11



Right In: -0.000+/-0.000 χ^2/NDF: 44.1/31

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/34

Left In: -0.000+/-0.000 χ^2/NDF:23.3/22

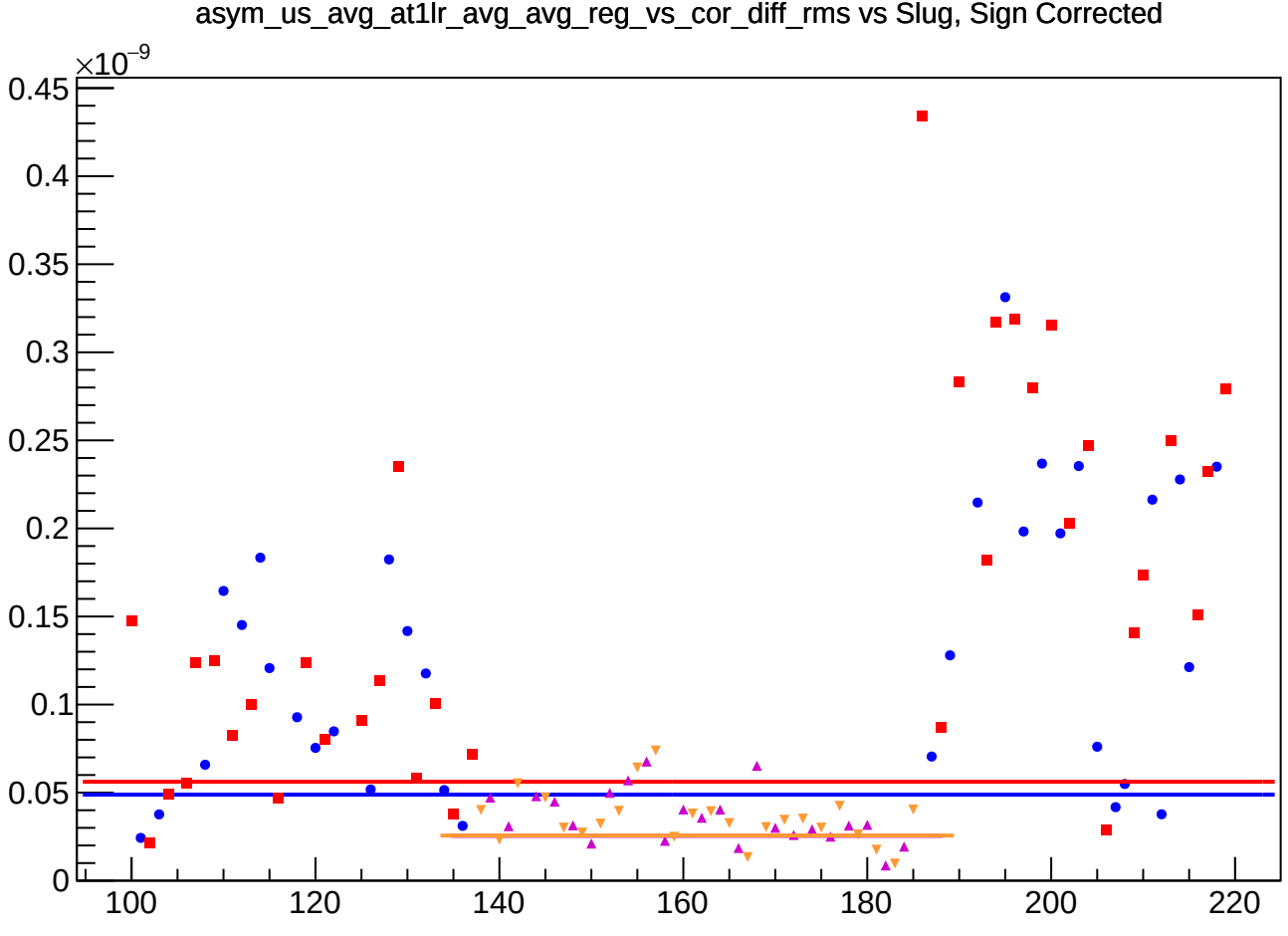
Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

Right: 0.000+/-0.000 χ^2/NDF: 66.4/66

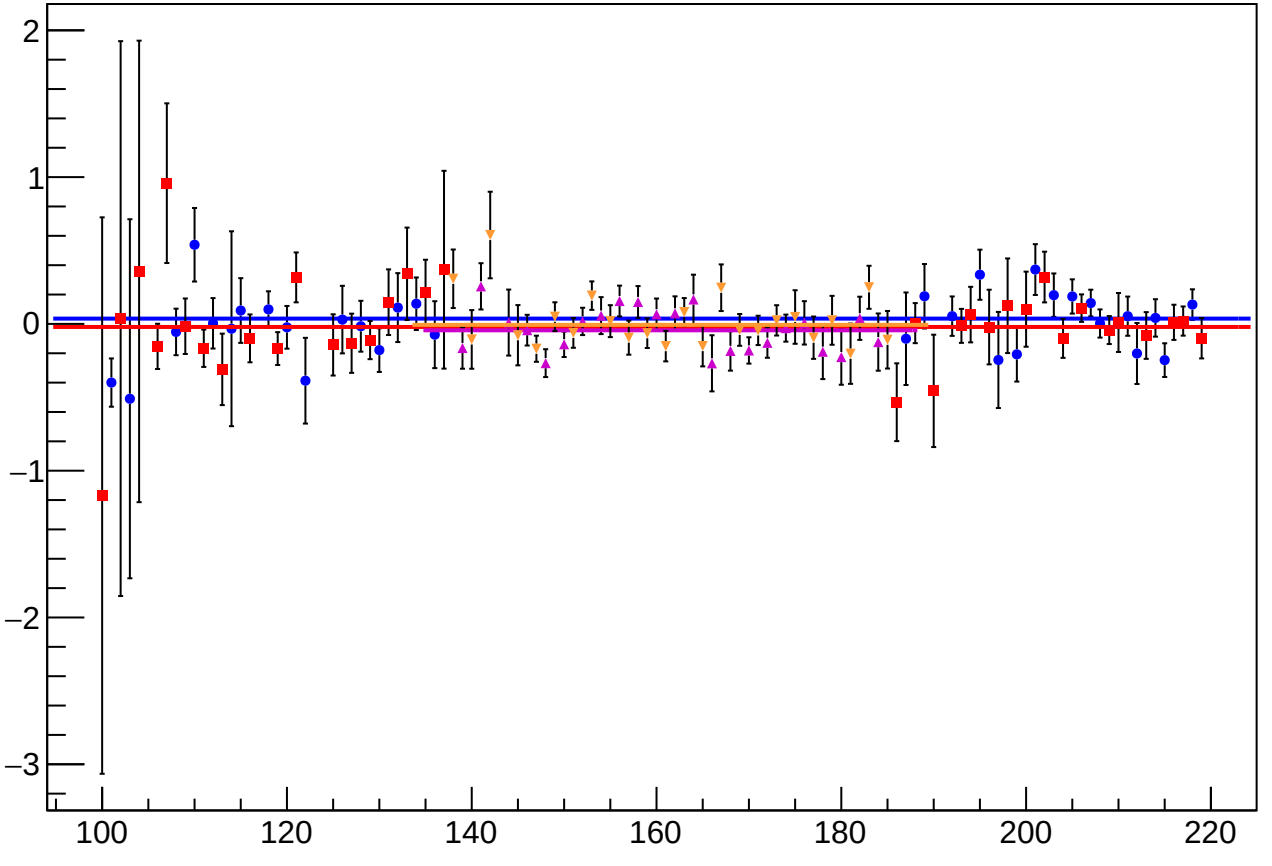
In: -0.000+/-0.000 χ^2/NDF:67.4/54

Out: -0.000+/-0.000 χ^2/NDF:47.8/58

All: -0.000+/-0.000 χ^2/NDF: 115.3/113


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6636338.1/31
Left Out: 0.000+/-0.000 χ²/NDF:2439953.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 8546767.1/34
Left In: 0.000+/-0.000 χ²/NDF:2808054.6/22
Left: 0.000+/-0.000 χ²/NDF: 5248211.8/46
Right: 0.000+/-0.000 χ²/NDF: 15265815.6/66
In: 0.000+/-0.000 χ²/NDF:11085553.3/54
Out: 0.000+/-0.000 χ²/NDF:13137919.0/58
All: 0.000+/-0.000 χ²/NDF: 24223762.4/113

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.028 χ^2/NDF: 39.6/31

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.021+/-0.028 χ^2/NDF: 30.0/34

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

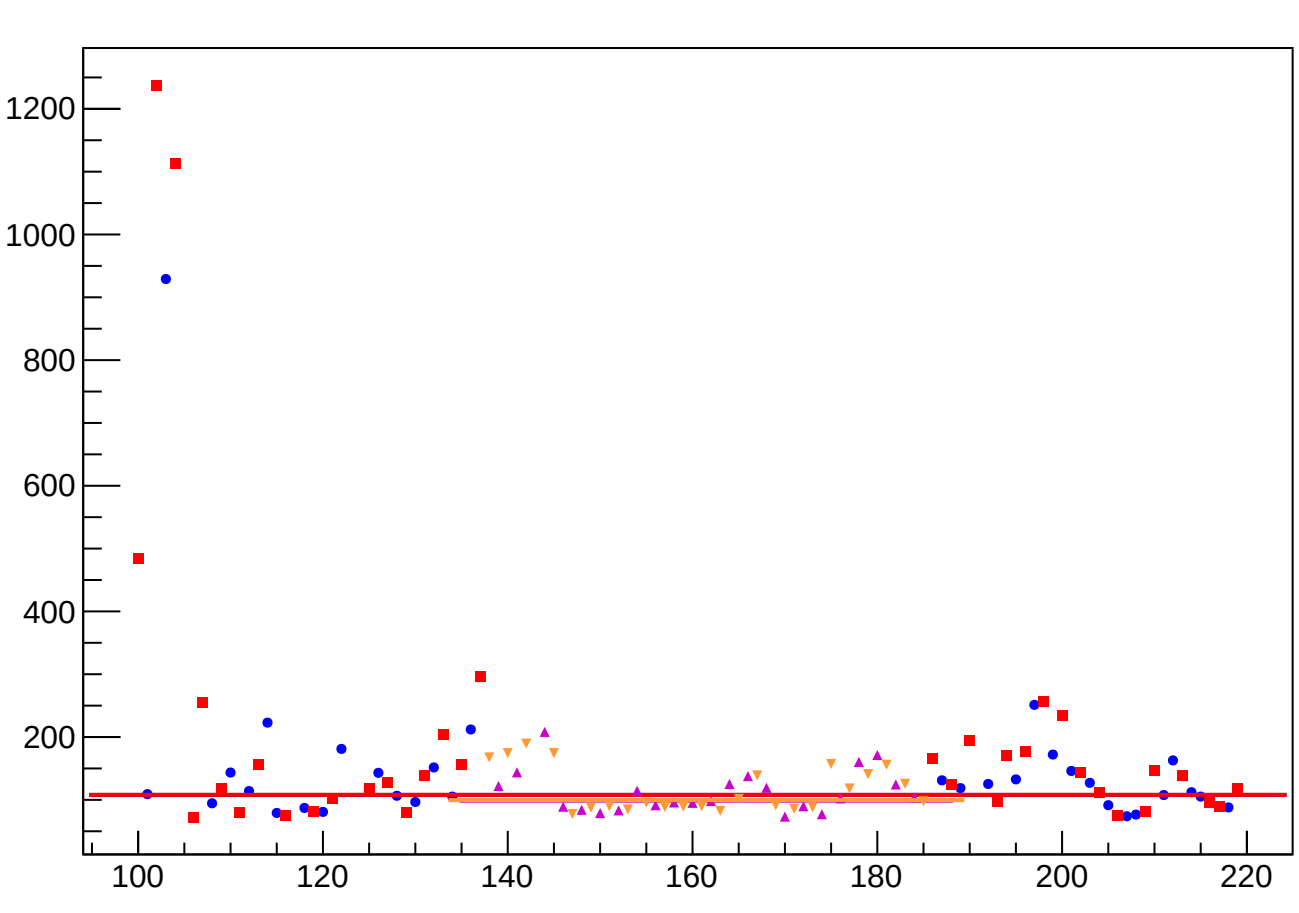
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.008+/-0.020 χ^2/NDF: 71.7/66

In: -0.008+/-0.019 χ^2/NDF:74.3/54

Out: -0.013+/-0.019 χ^2/NDF:57.9/58

All: -0.010+/-0.013 χ^2/NDF: 132.3/113



Right In: 107.855+/-0.020 χ^2/NDF: 3442237.0/31

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 107.997+/-0.020 χ^2/NDF: 5101569.5/34

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

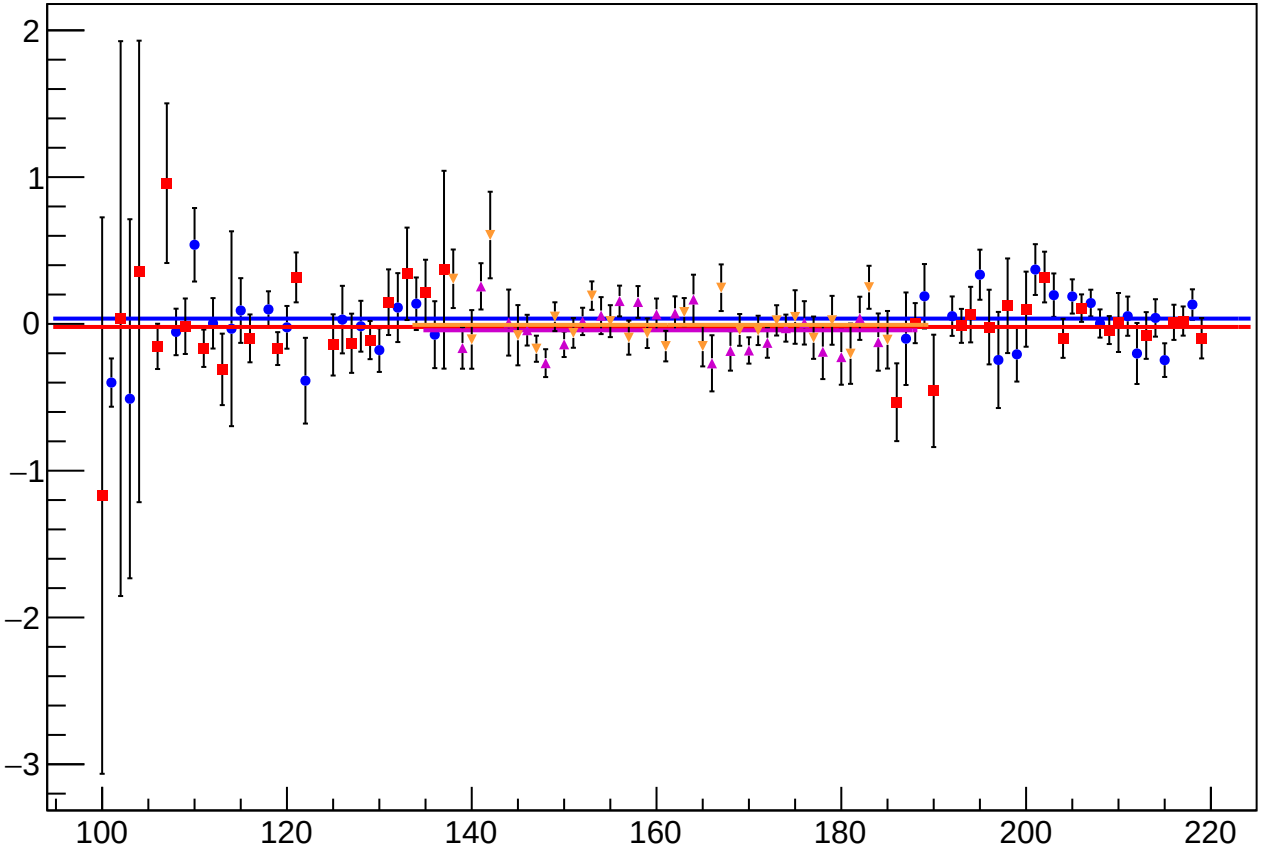
Right: 107.926+/-0.014 χ^2/NDF: 8543832.5/66

In: 102.782+/-0.013 χ^2/NDF:5565918.6/54

Out: 103.387+/-0.013 χ^2/NDF:7272148.1/58

All: 103.083+/-0.009 χ^2/NDF: 12839114.4/11

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.028 χ^2/NDF: 39.6/31

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.021+/-0.028 χ^2/NDF: 30.0/34

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

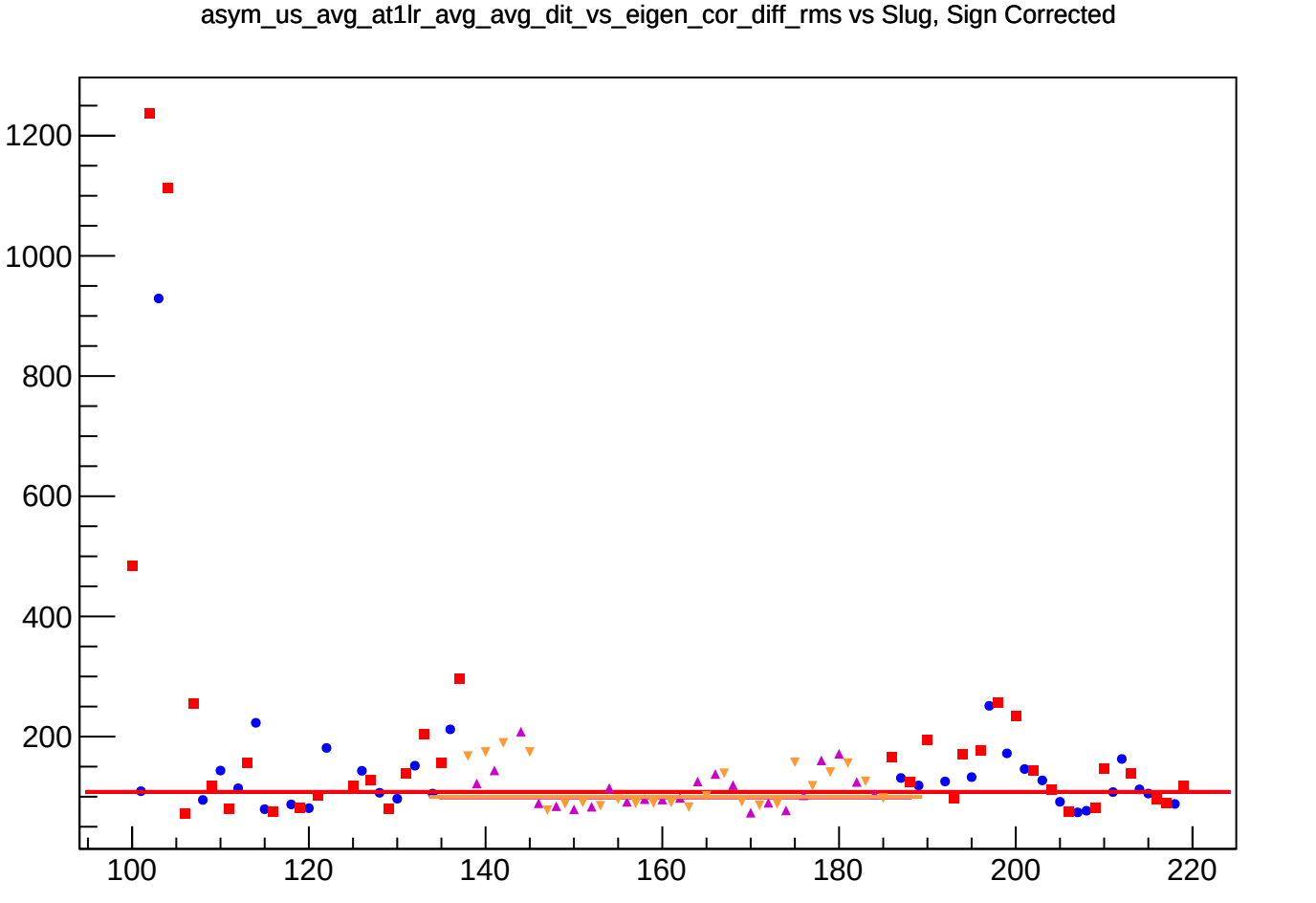
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.008+/-0.020 χ^2/NDF: 71.7/66

In: -0.008+/-0.019 χ^2/NDF:74.3/54

Out: -0.013+/-0.019 χ^2/NDF:57.9/58

All: -0.010+/-0.013 χ^2/NDF: 132.3/113



Right In: 107.855+/-0.020 χ^2/NDF: 3442237.0/31

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 107.997+/-0.020 χ^2/NDF: 5101569.5/34

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

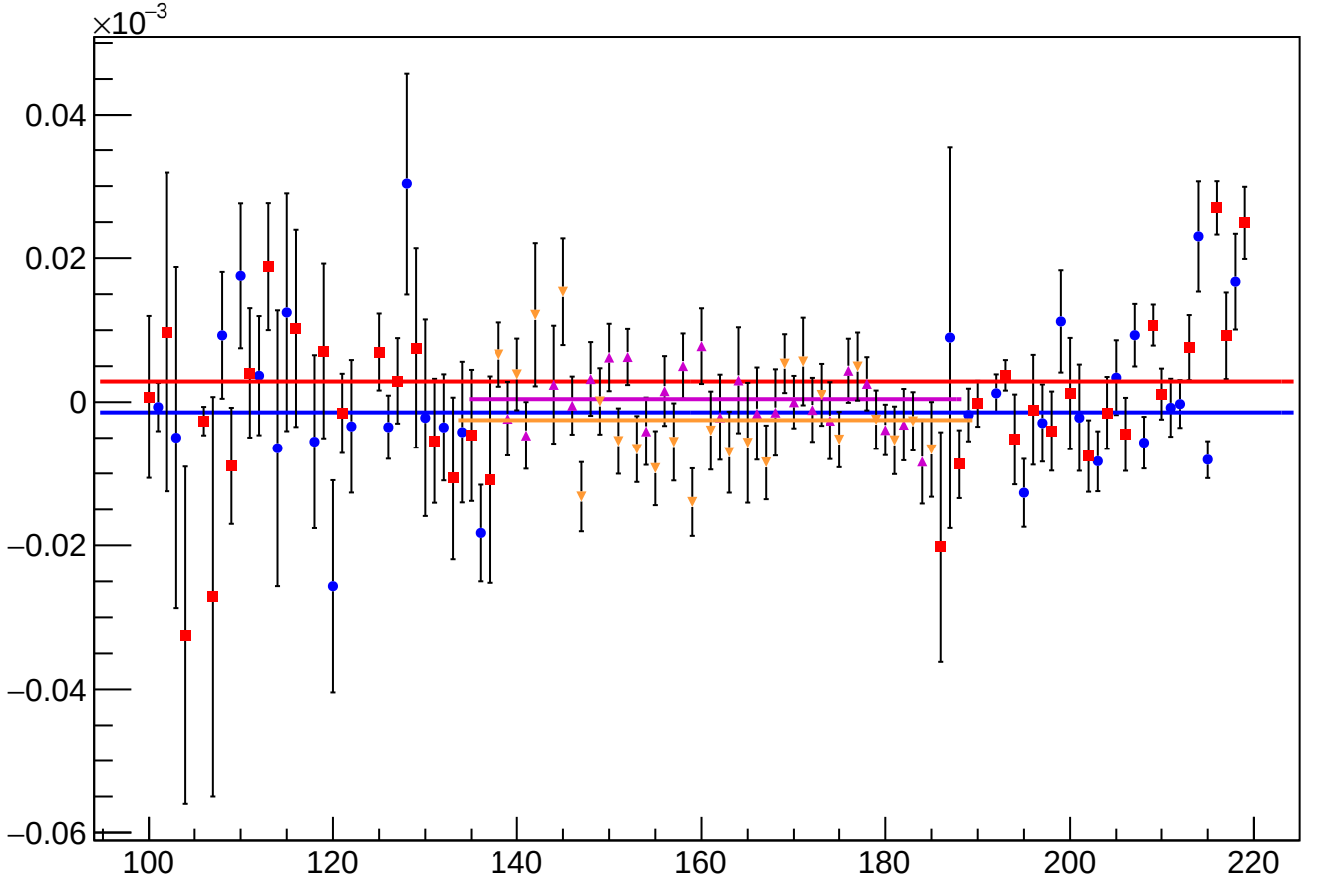
Right: 107.926+/-0.014 χ^2/NDF: 8543832.5/66

In: 102.782+/-0.013 χ^2/NDF:5565918.6/54

Out: 103.387+/-0.013 χ^2/NDF:7272148.1/58

All: 103.083+/-0.009 χ^2/NDF: 12839114.4/11

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 65.5/31

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 113.9/34

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

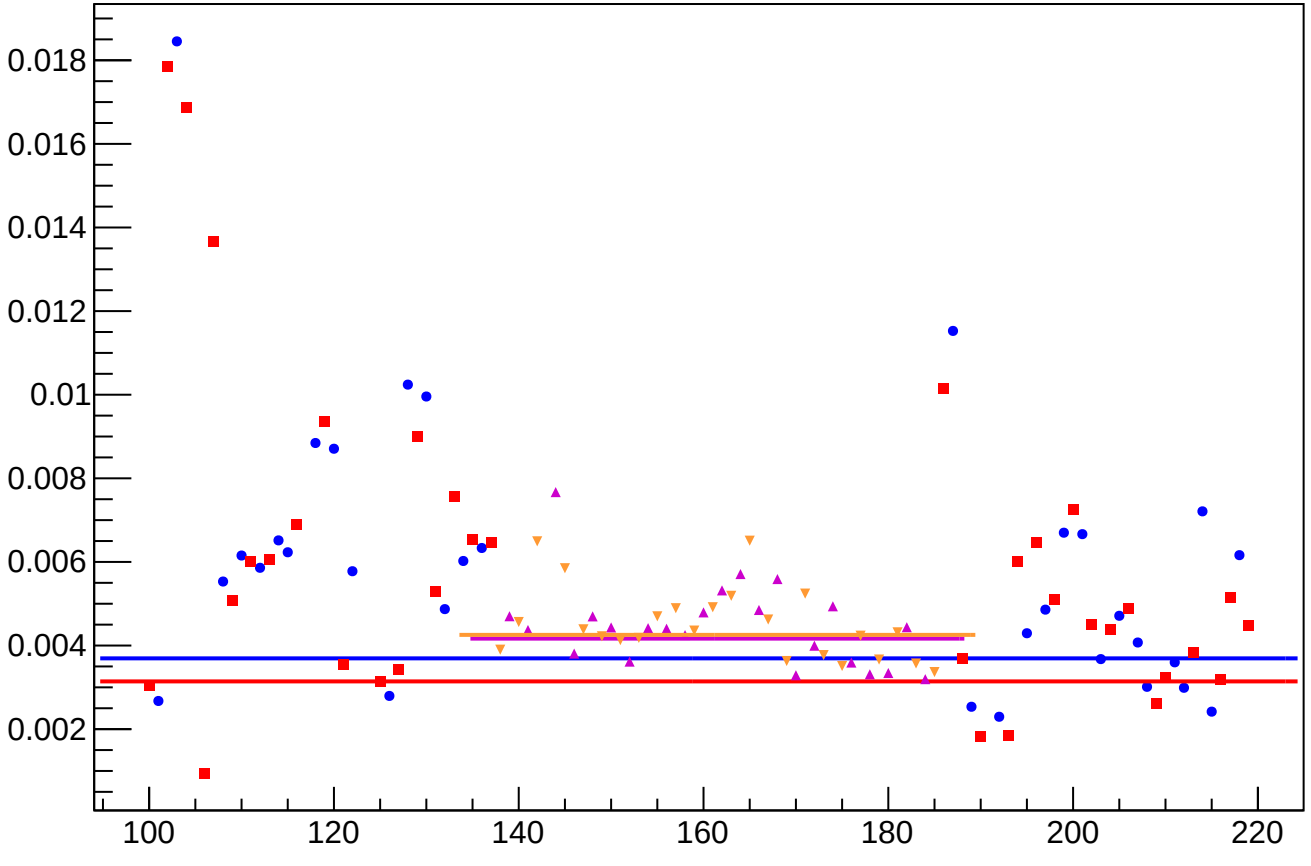
Right: 0.000+/-0.000 χ^2/NDF: 191.5/66

In: -0.000+/-0.000 χ^2/NDF:83.3/54

Out: 0.000+/-0.000 χ^2/NDF:171.0/58

All: 0.000+/-0.000 χ^2/NDF: 256.1/113

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: 6599375.4/31

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10784398.7/34

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

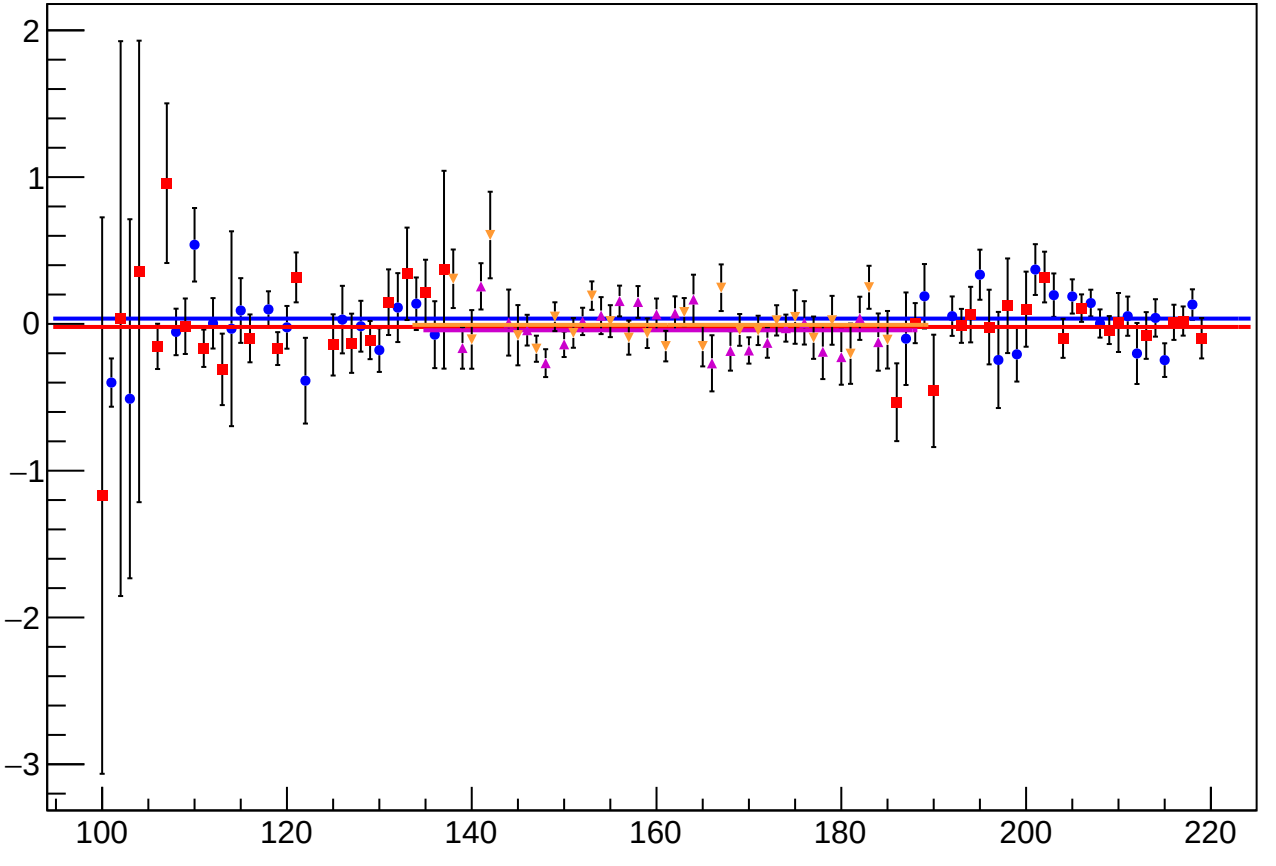
Right: 0.003+/-0.000 χ^2/NDF: 17774195.7/66

In: 0.004+/-0.000 χ^2/NDF:8118614.3/54

Out: 0.004+/-0.000 χ^2/NDF:13054075.5/58

All: 0.004+/-0.000 χ^2/NDF: 21404236.9/113

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.028 χ^2/NDF: 39.6/31

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.021+/-0.028 χ^2/NDF: 30.0/34

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

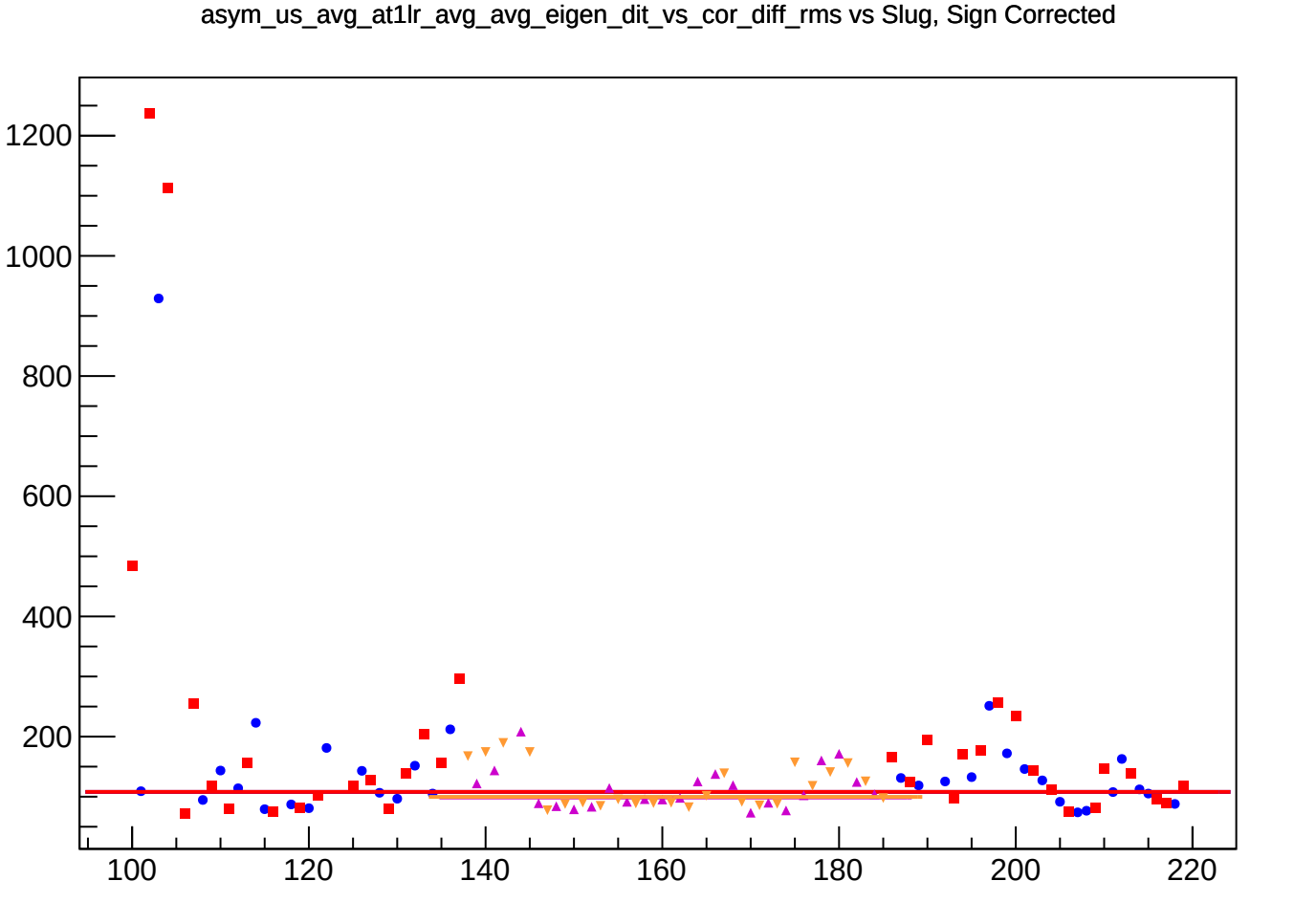
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.008+/-0.020 χ^2/NDF: 71.7/66

In: -0.008+/-0.019 χ^2/NDF:74.3/54

Out: -0.013+/-0.019 χ^2/NDF:57.9/58

All: -0.010+/-0.013 χ^2/NDF: 132.3/113



Right In: 107.855+/-0.020 χ^2/NDF: 3442159.2/31

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 107.997+/-0.020 χ^2/NDF: 5101548.5/34

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

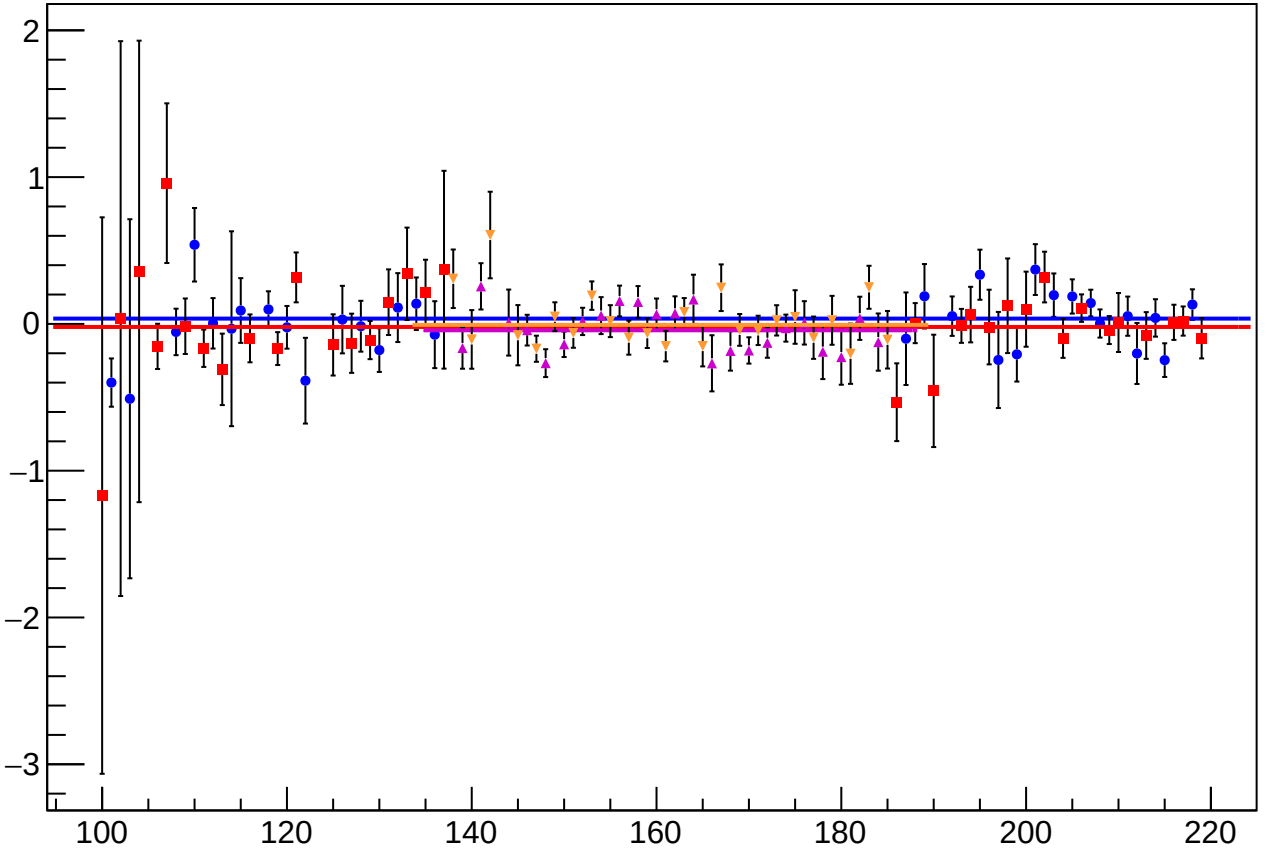
Right: 107.926+/-0.014 χ^2/NDF: 8543733.7/66

In: 102.782+/-0.013 χ^2/NDF:5565798.4/54

Out: 103.387+/-0.013 χ^2/NDF:7272069.1/58

All: 103.083+/-0.009 χ^2/NDF: 12838915.3/11

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.028 χ^2/NDF: 39.6/31

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.021+/-0.028 χ^2/NDF: 30.0/34

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

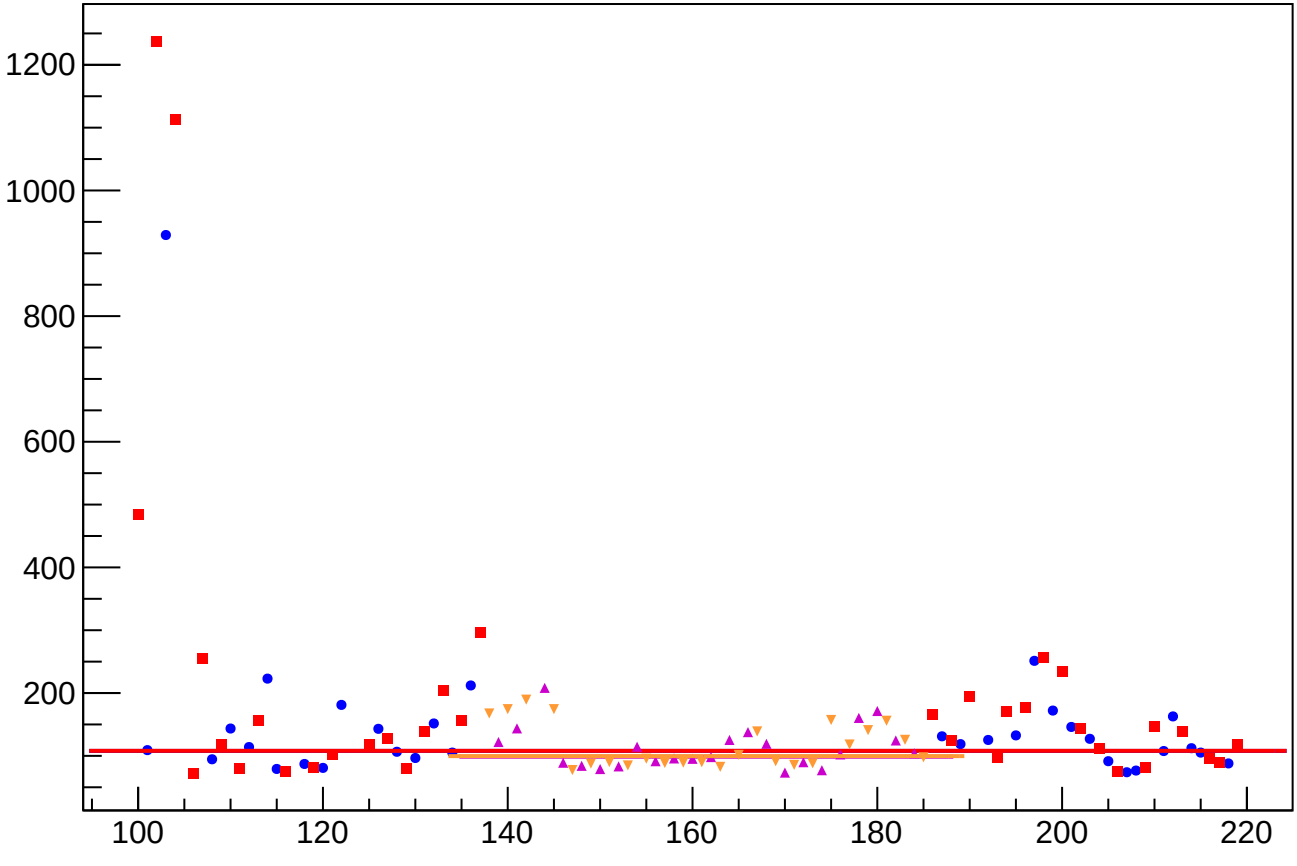
Right: 0.008+/-0.020 χ^2/NDF: 71.7/66

In: -0.008+/-0.019 χ^2/NDF:74.3/54

Out: -0.013+/-0.019 χ^2/NDF:57.9/58

All: -0.010+/-0.013 χ^2/NDF: 132.3/113

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 107.855+/-0.020 χ^2/NDF: 3442159.2/31

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 107.997+/-0.020 χ^2/NDF: 5101548.5/34

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

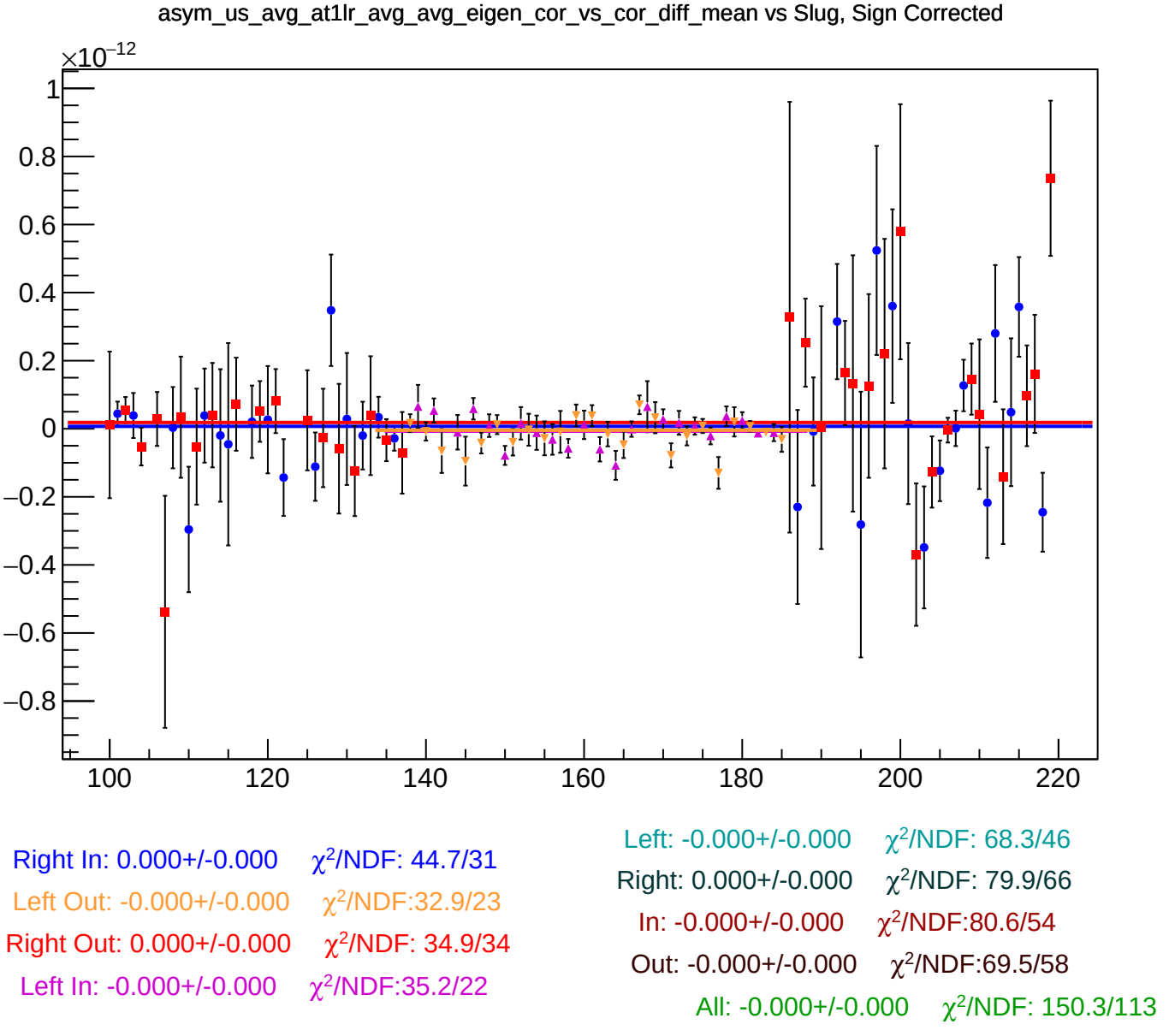
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

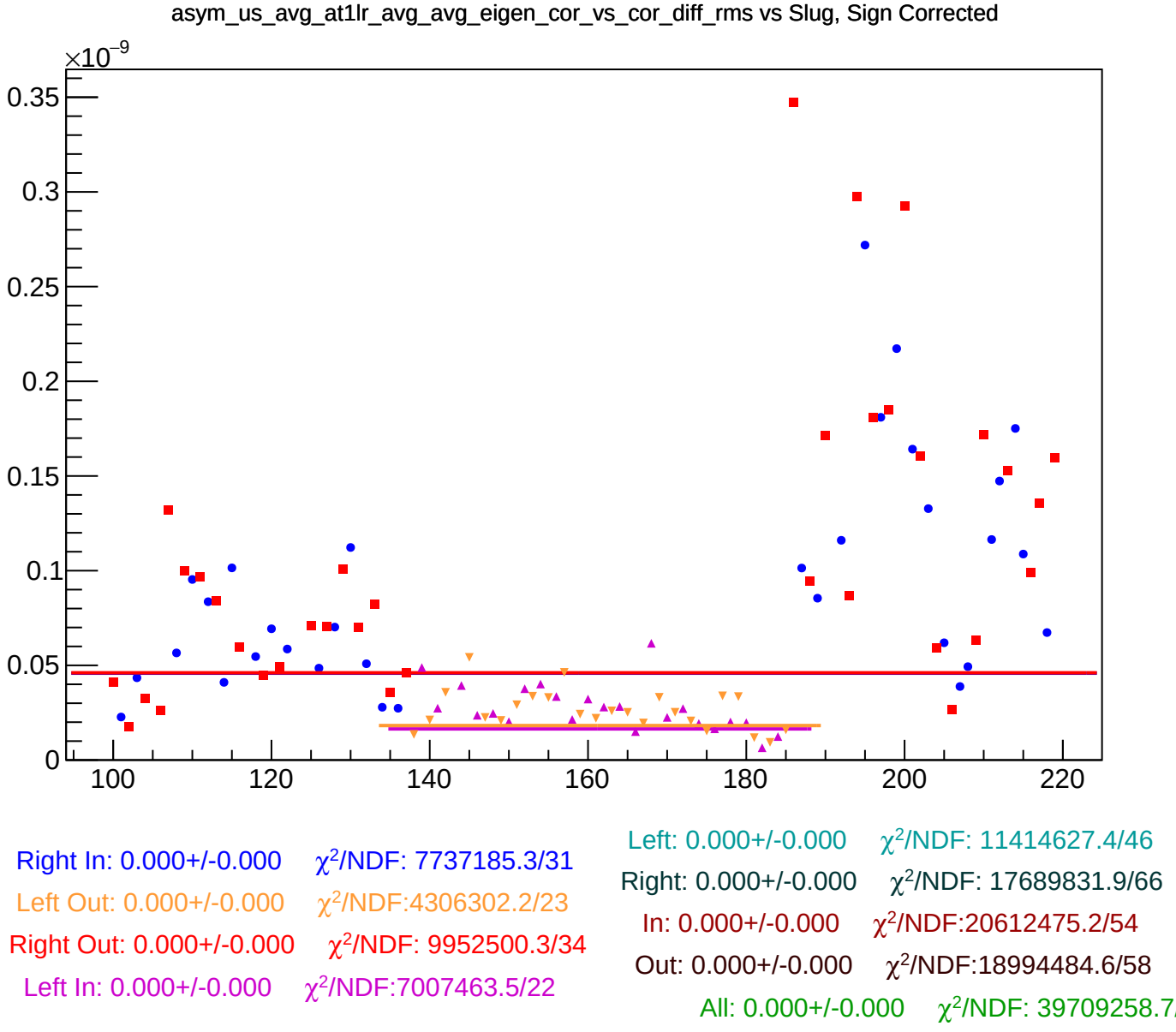
Right: 107.926+/-0.014 χ^2/NDF: 8543733.7/66

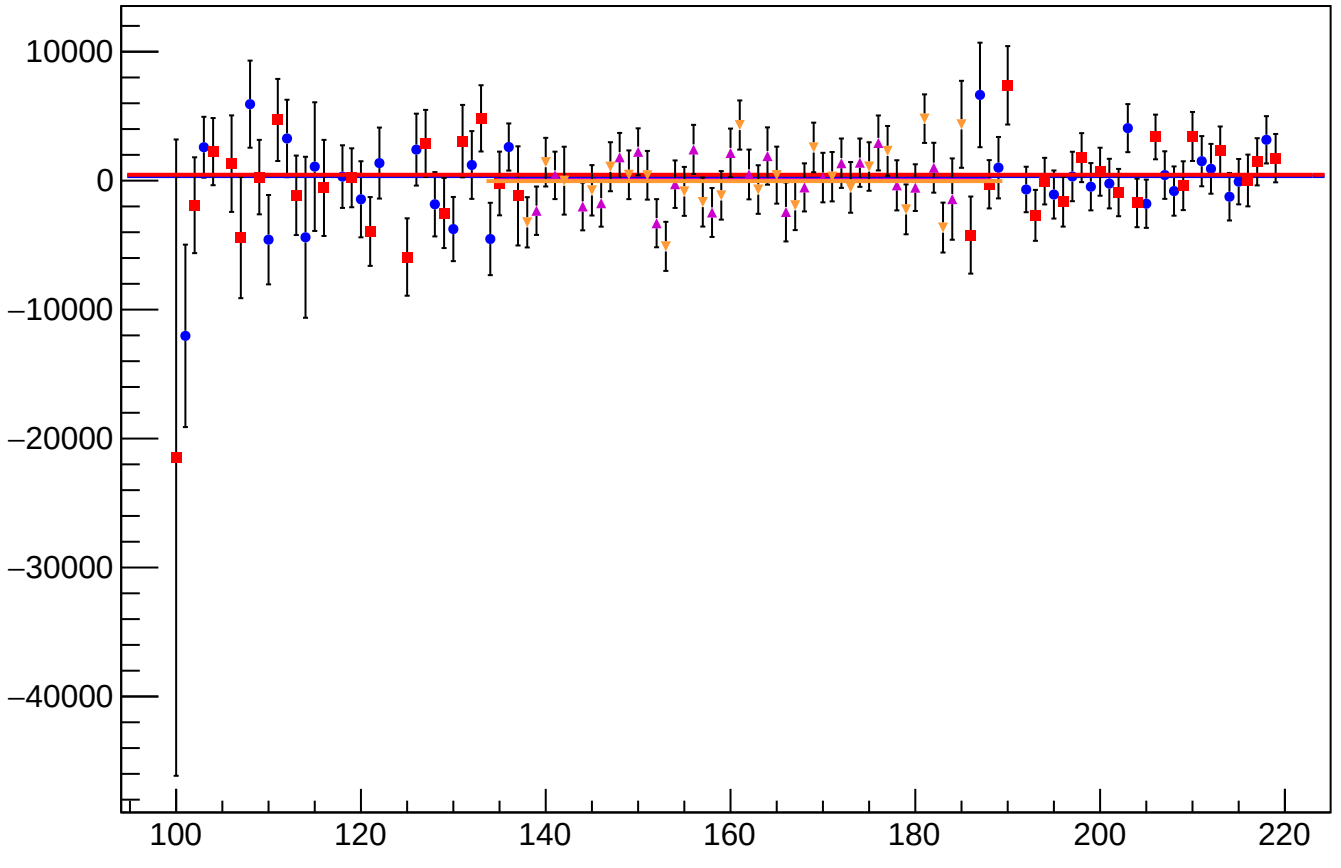
In: 102.782+/-0.013 χ^2/NDF:5565798.4/54

Out: 103.387+/-0.013 χ^2/NDF:7272069.1/58

All: 103.083+/-0.009 χ^2/NDF: 12838915.3/1


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: 44.7/31
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 34.9/34
Left In: -0.000+/-0.000 χ²/NDF:35.2/22
Left: -0.000+/-0.000 χ²/NDF: 68.3/46
Right: 0.000+/-0.000 χ²/NDF: 79.9/66
In: -0.000+/-0.000 χ²/NDF:80.6/54
Out: -0.000+/-0.000 χ²/NDF:69.5/58
All: -0.000+/-0.000 χ²/NDF: 150.3/113


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7737185.3/31
Left Out: 0.000+/-0.000 χ²/NDF:4306302.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 9952500.3/34
Left In: 0.000+/-0.000 χ²/NDF:7007463.5/22
Left: 0.000+/-0.000 χ²/NDF: 11414627.4/46
Right: 0.000+/-0.000 χ²/NDF: 17689831.9/66
In: 0.000+/-0.000 χ²/NDF:20612475.2/54
Out: 0.000+/-0.000 χ²/NDF:18994484.6/58
All: 0.000+/-0.000 χ²/NDF: 39709258.7/113



Right In: 353.792+/-399.672 χ^2/NDF: 32.4/31

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: 456.393+/-393.191 χ^2/NDF: 39.7/34

Left In: 52.796+/-404.703 χ^2/NDF:19.4/22

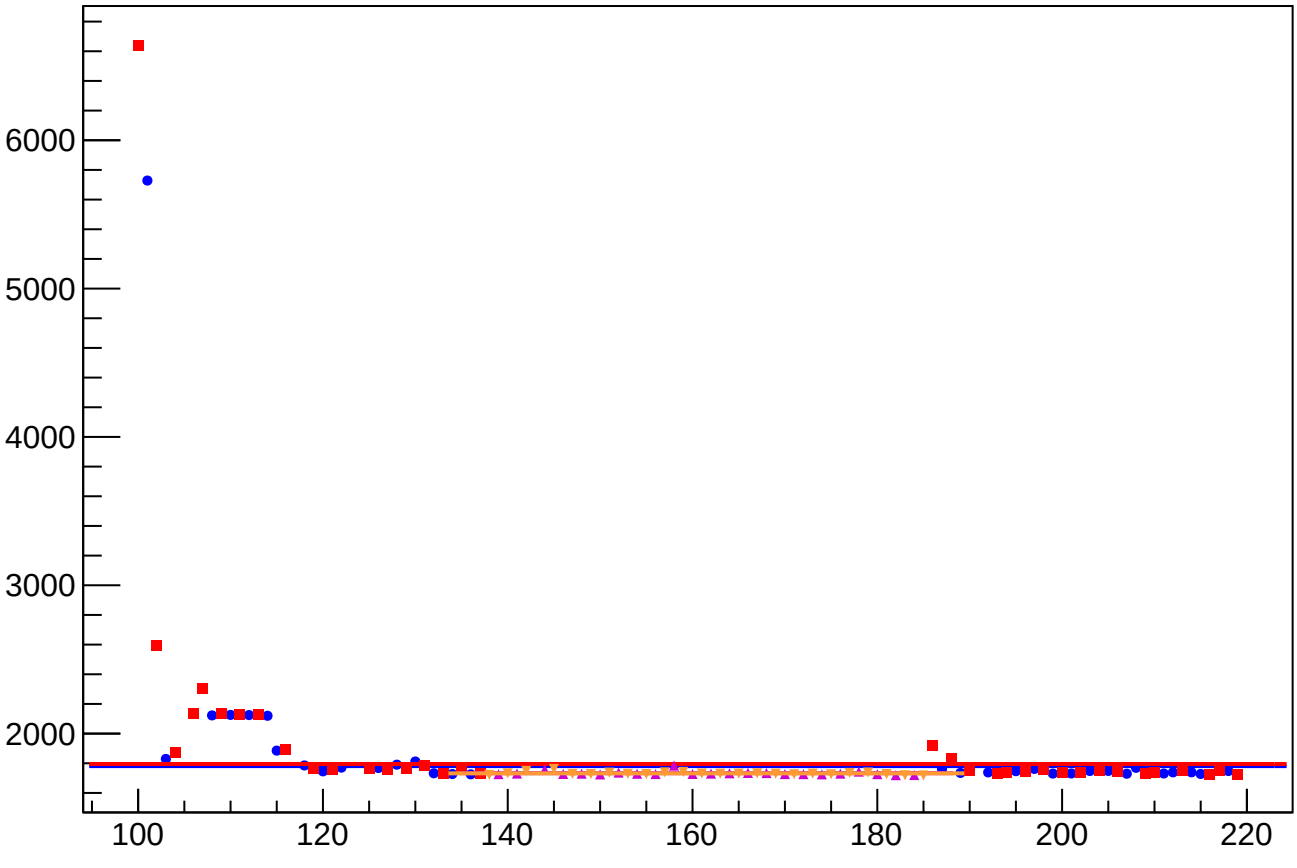
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 405.931+/-280.291 χ^2/NDF: 72.1/66

In: 205.176+/-284.373 χ^2/NDF:52.1/54

Out: 216.220+/-281.081 χ^2/NDF:75.8/58

All: 210.762+/-199.908 χ^2/NDF: 127.9/113



Right In: 1780.967+/-0.283 χ^2/NDF: 715160.3/31

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1795.108+/-0.278 χ^2/NDF: 319975.4/34

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

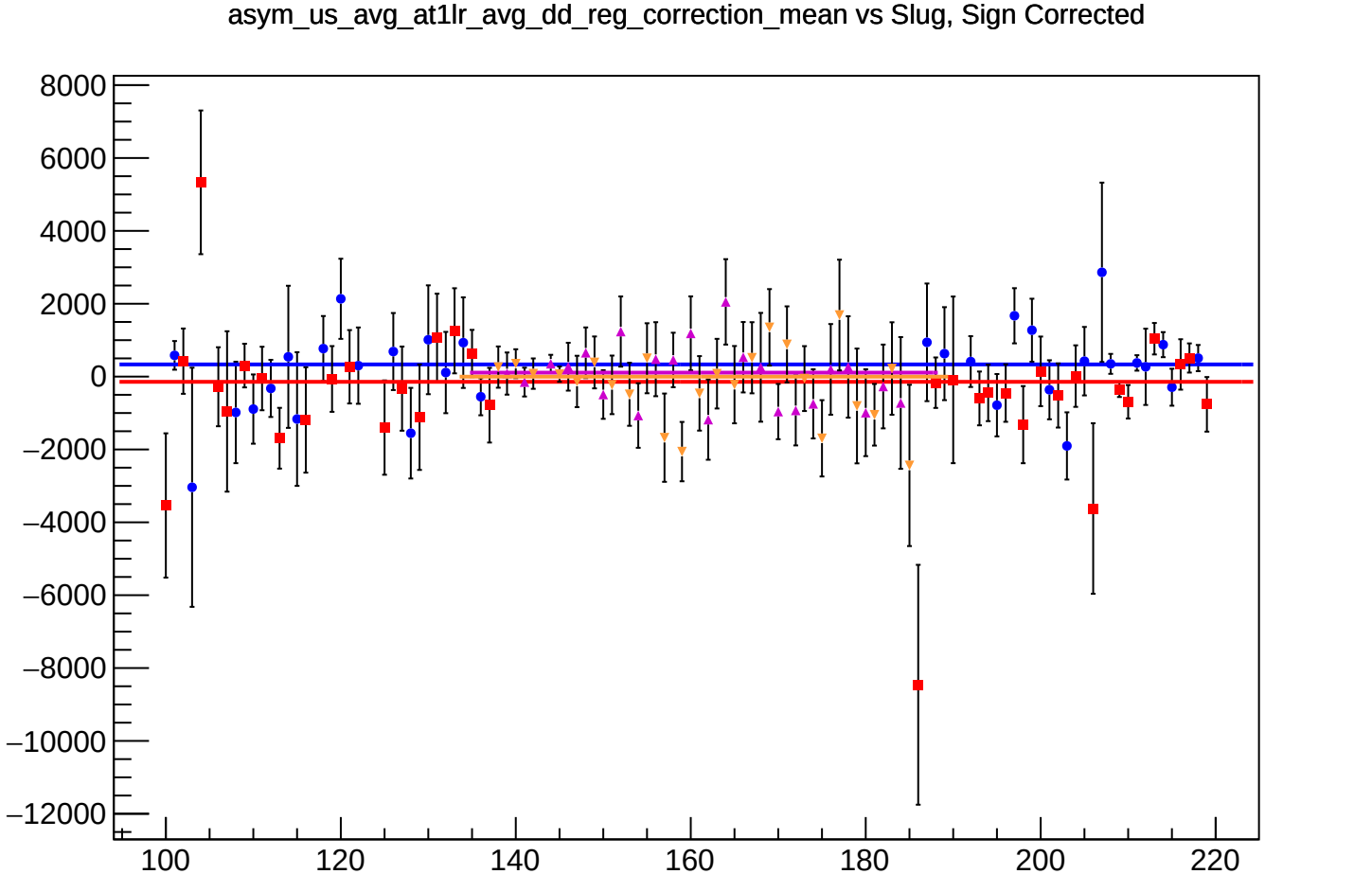
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1788.153+/-0.198 χ^2/NDF: 1036408.1/66

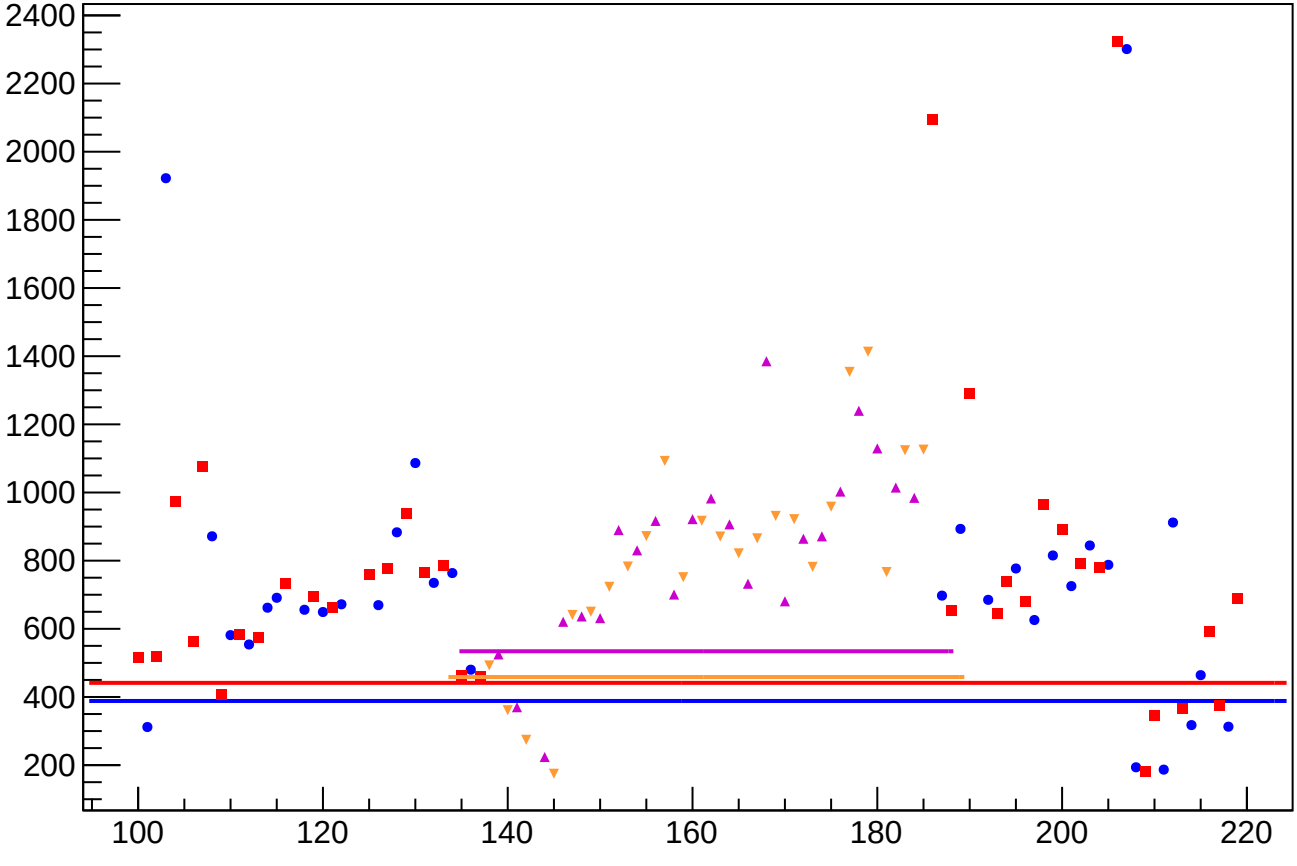
In: 1757.439+/-0.201 χ^2/NDF:731428.0/54

Out: 1764.244+/-0.199 χ^2/NDF:346116.8/58

All: 1760.881+/-0.141 χ^2/NDF: 1078124.0/11


asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: 334.147+/-106.185 χ²/NDF: 32.4/31
Left Out: -2.406+/-130.052 χ²/NDF:20.3/23
Right Out: -143.447+/-115.645 χ²/NDF: 46.3/34
Left In: 108.386+/-143.315 χ²/NDF:17.0/22
Left: 47.628+/-96.309 χ²/NDF: 37.6/46
Right: 115.680+/-78.215 χ²/NDF: 88.0/66
In: 254.135+/-85.318 χ²/NDF:51.0/54
Out: -81.168+/-86.420 χ²/NDF:67.2/58
All: 88.634+/-60.715 χ²/NDF: 125.9/113

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 388.300+/-0.075 χ^2/NDF: 10575081.6/31

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 441.474+/-0.082 χ^2/NDF: 9917680.0/34

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

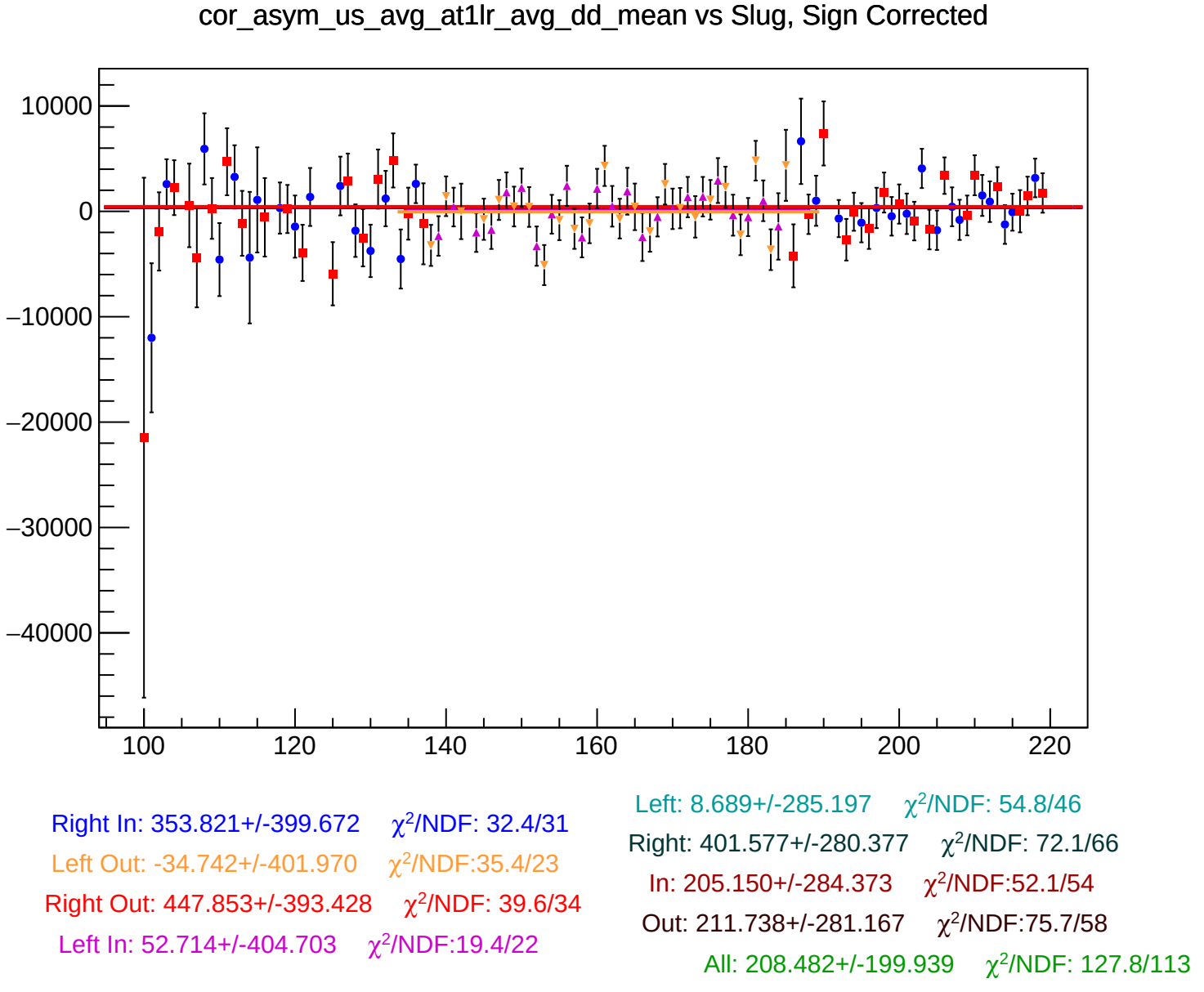
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

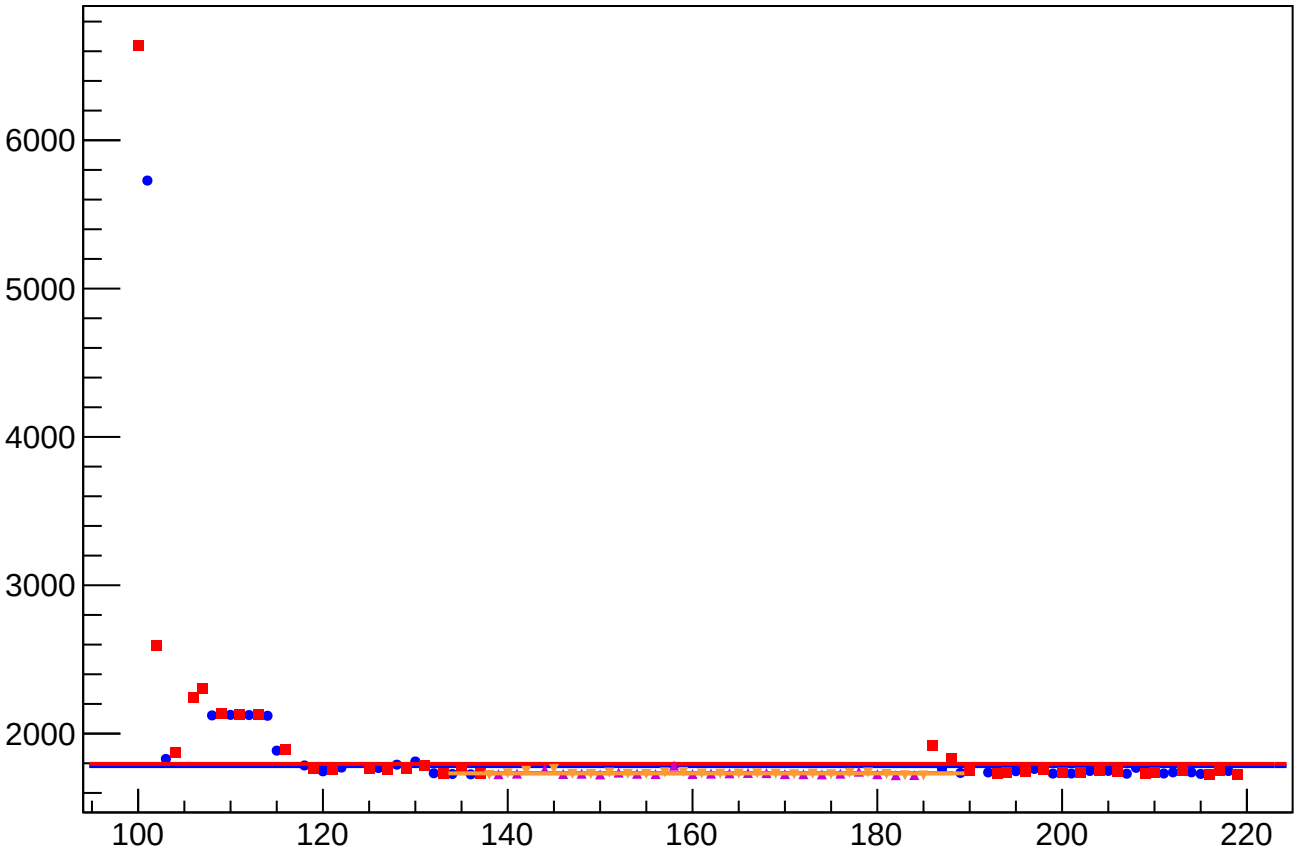
Right: 412.624+/-0.055 χ^2/NDF: 20722184.3/66

In: 439.994+/-0.060 χ^2/NDF:20355843.7/54

Out: 449.027+/-0.061 χ^2/NDF:21363733.9/58

All: 444.453+/-0.043 χ^2/NDF: 41730643.2/11


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: 353.821+/-399.672 χ²/NDF: 32.4/31
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: 447.853+/-393.428 χ²/NDF: 39.6/34
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 401.577+/-280.377 χ²/NDF: 72.1/66
In: 205.150+/-284.373 χ²/NDF:52.1/54
Out: 211.738+/-281.167 χ²/NDF:75.7/58
All: 208.482+/-199.939 χ²/NDF: 127.8/113



Right In: 1780.967+/-0.283 χ^2/NDF: 715160.2/31

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1795.732+/-0.278 χ^2/NDF: 328693.4/34

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

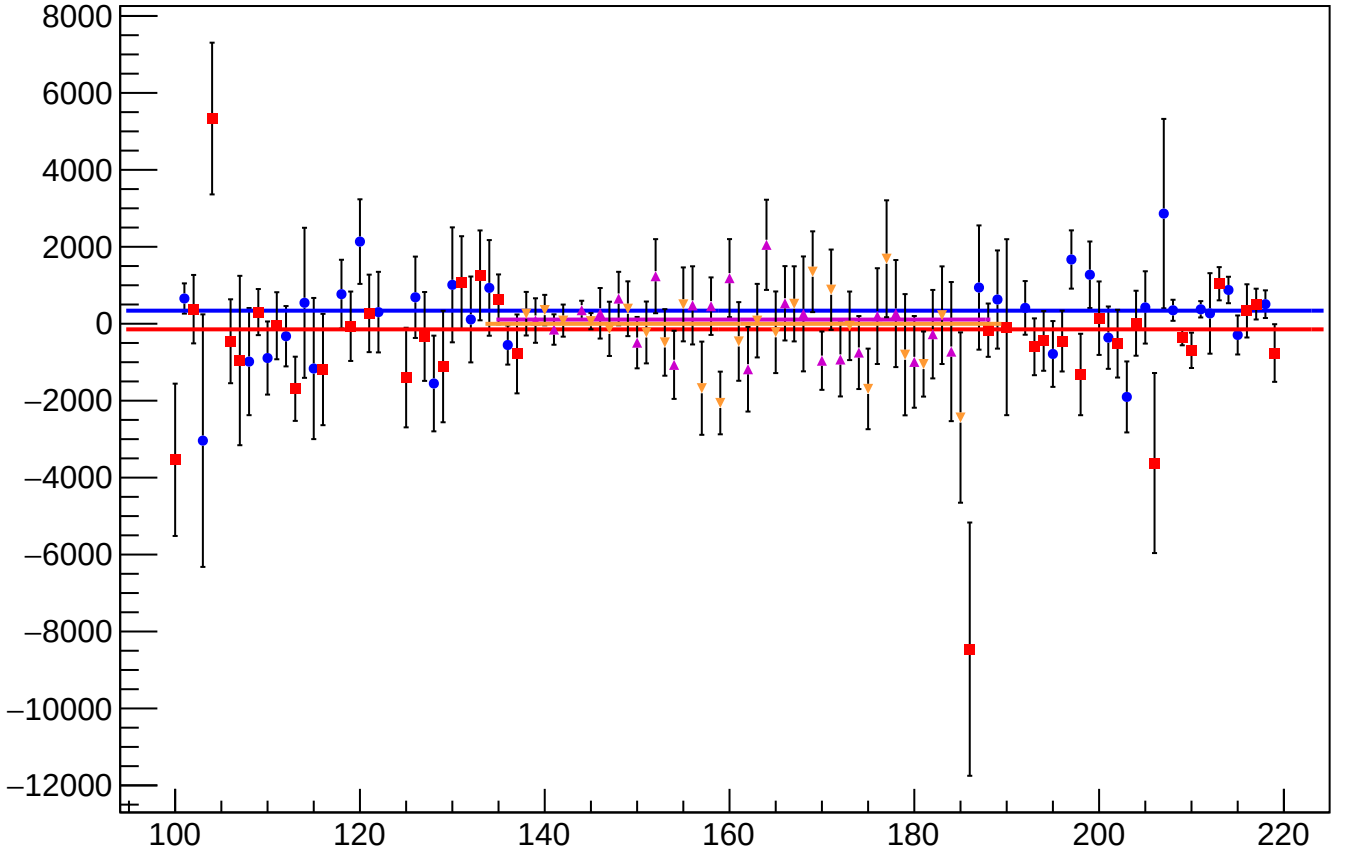
Right: 1788.466+/-0.198 χ^2/NDF: 1045240.0/66

In: 1757.439+/-0.201 χ^2/NDF:731427.8/54

Out: 1764.543+/-0.199 χ^2/NDF:355320.5/58

All: 1761.031+/-0.141 χ^2/NDF: 1087379.5/11

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 339.613+/-106.174 χ^2/NDF: 32.7/31

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -146.094+/-115.637 χ^2/NDF: 46.3/34

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

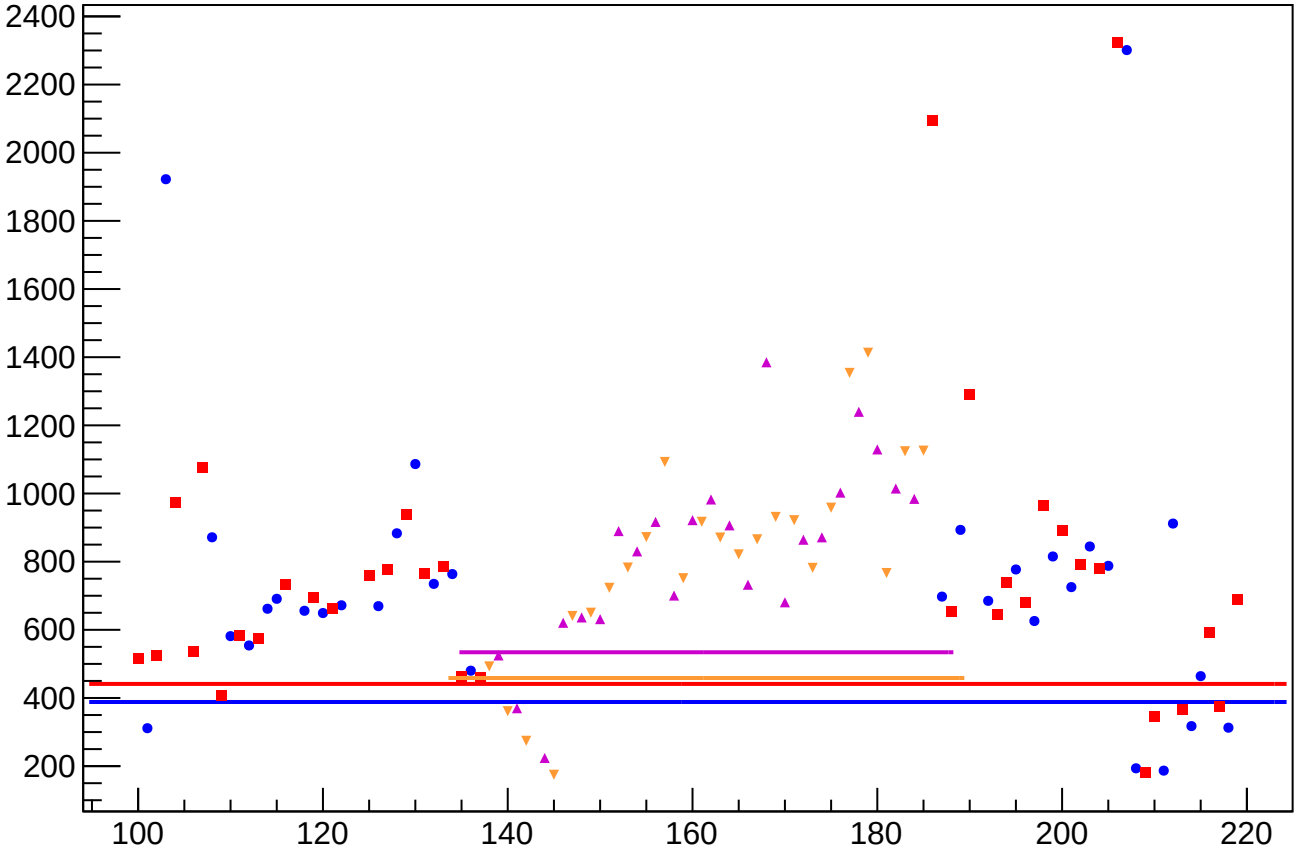
Right: 117.444+/-78.208 χ^2/NDF: 88.6/66

In: 257.666+/-85.312 χ^2/NDF:51.4/54

Out: -82.707+/-86.417 χ^2/NDF:67.3/58

All: 89.669+/-60.712 χ^2/NDF: 126.5/113

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 388.233+/-0.075 χ^2/NDF: 10577148.1/31

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 441.273+/-0.082 χ^2/NDF: 9911328.2/34

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

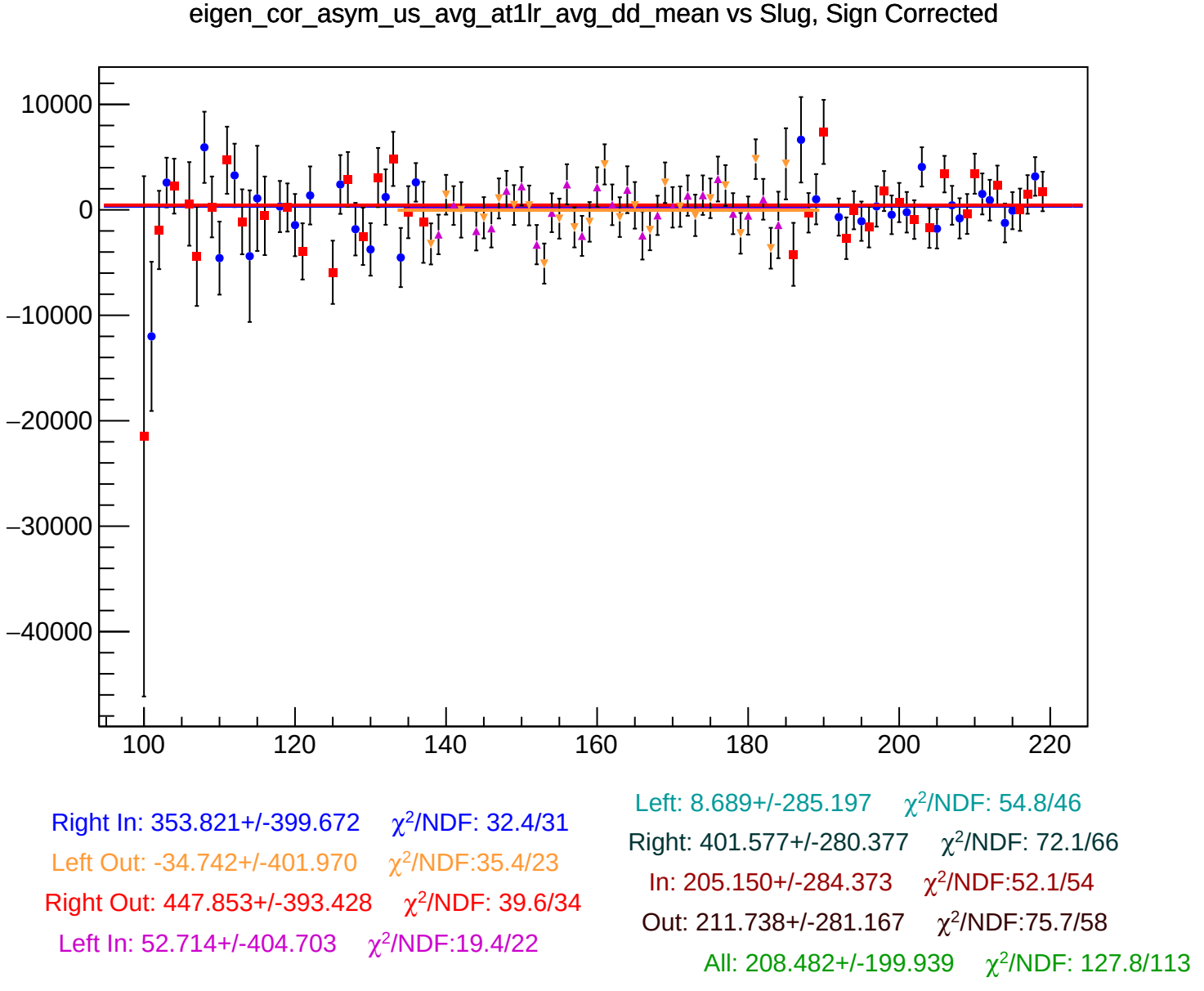
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

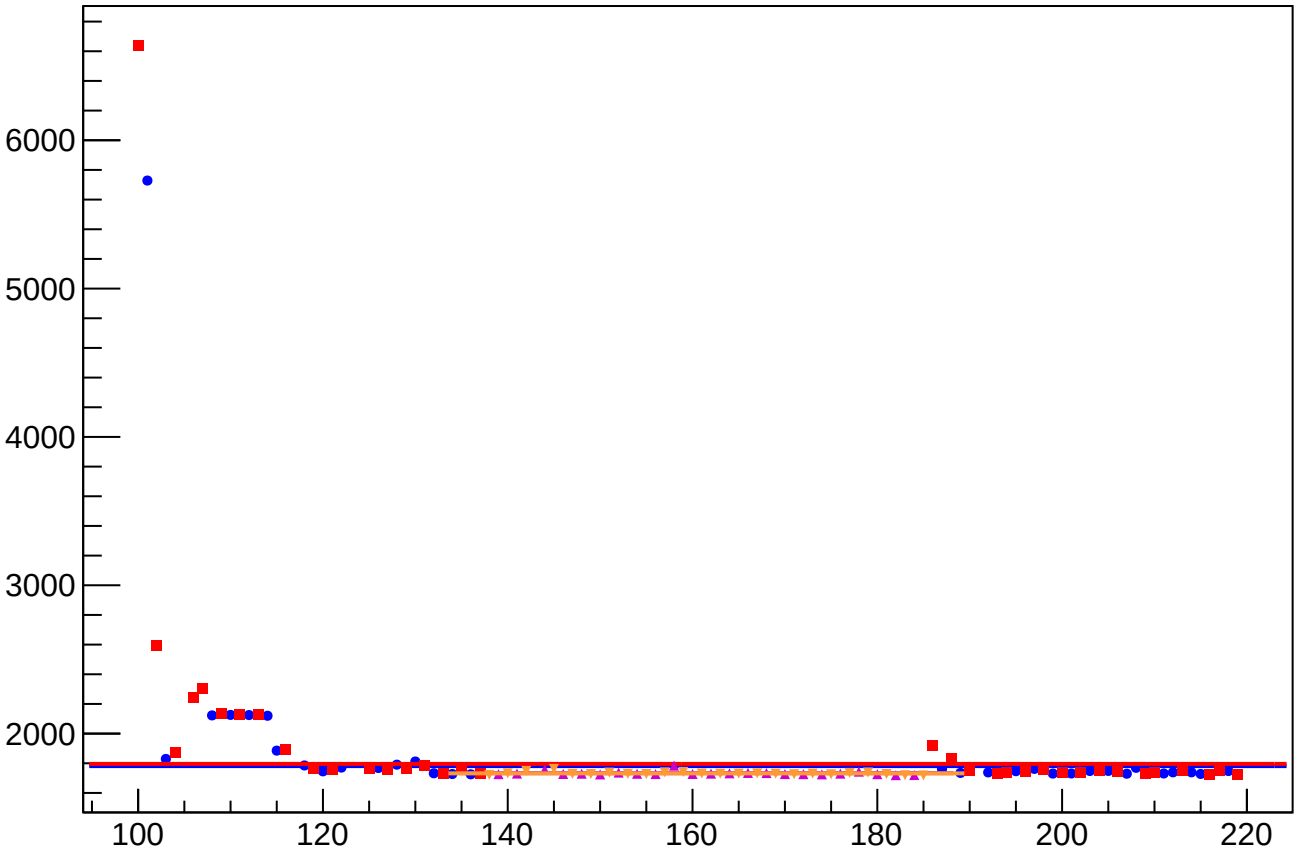
Right: 412.494+/-0.055 χ^2/NDF: 20716779.9/66

In: 439.946+/-0.060 χ^2/NDF:20358892.2/54

Out: 448.919+/-0.061 χ^2/NDF:21357448.3/58

All: 444.375+/-0.043 χ^2/NDF: 41727258.6/11


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: 353.821+/-399.672 χ²/NDF: 32.4/31
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: 447.853+/-393.428 χ²/NDF: 39.6/34
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 401.577+/-280.377 χ²/NDF: 72.1/66
In: 205.150+/-284.373 χ²/NDF:52.1/54
Out: 211.738+/-281.167 χ²/NDF:75.7/58
All: 208.482+/-199.939 χ²/NDF: 127.8/113



Right In: 1780.967+/-0.283 χ^2/NDF: 715160.2/31

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1795.732+/-0.278 χ^2/NDF: 328693.4/34

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

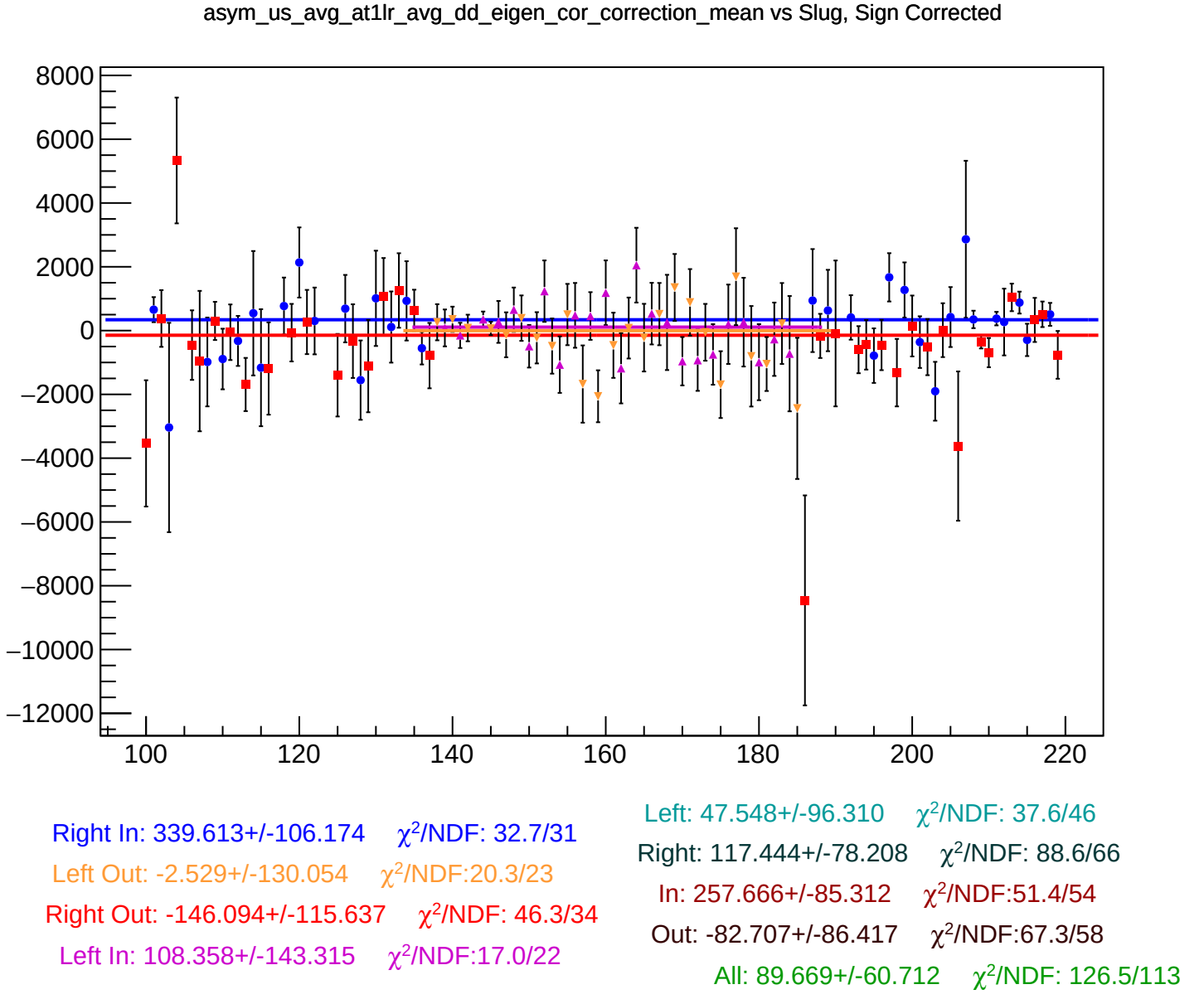
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1788.466+/-0.198 χ^2/NDF: 1045240.0/66

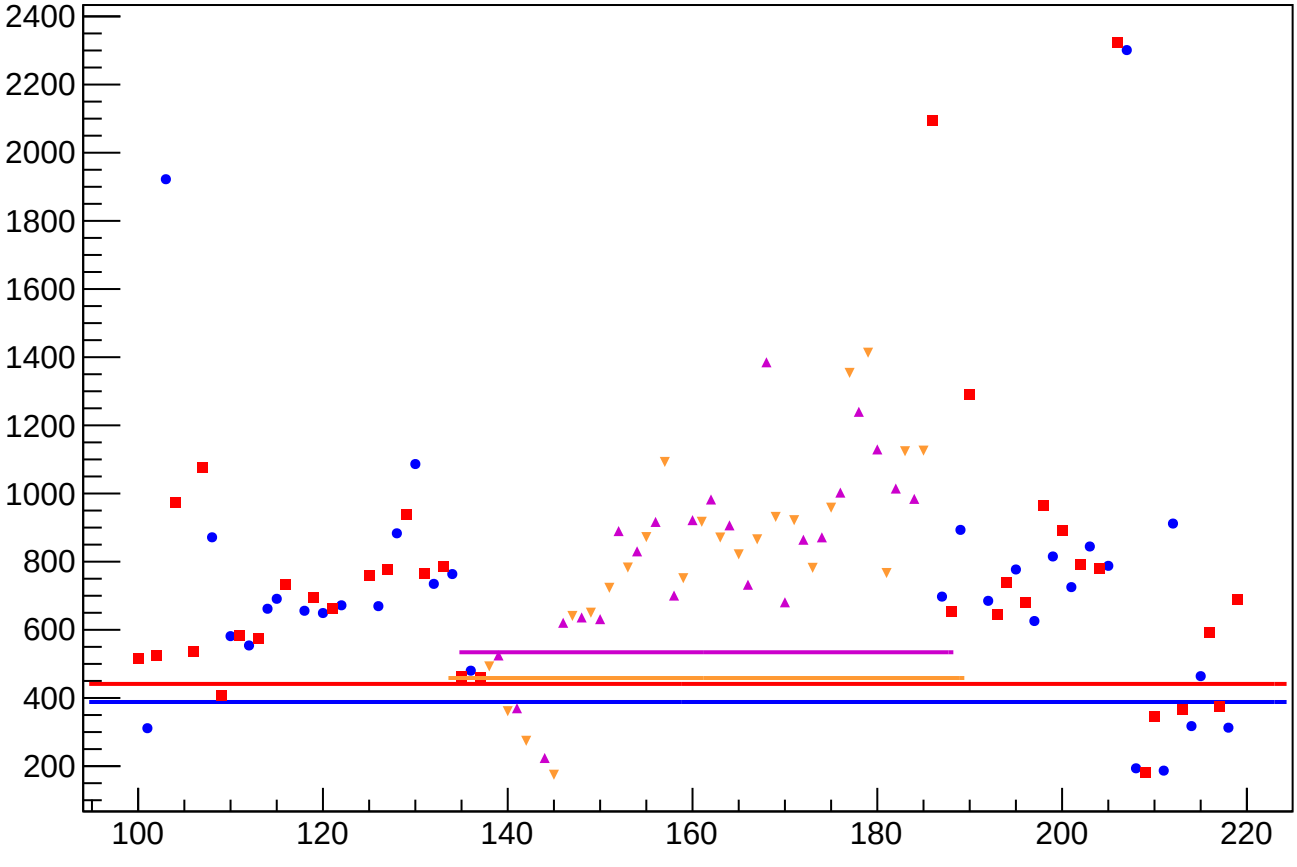
In: 1757.439+/-0.201 χ^2/NDF:731427.8/54

Out: 1764.543+/-0.199 χ^2/NDF:355320.5/58

All: 1761.031+/-0.141 χ^2/NDF: 1087379.5/11


asym_us_avg_at1lr_avg_dd_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: 339.613+/-106.174 χ²/NDF: 32.7/31
Left Out: -2.529+/-130.054 χ²/NDF:20.3/23
Right Out: -146.094+/-115.637 χ²/NDF: 46.3/34
Left In: 108.358+/-143.315 χ²/NDF:17.0/22
Left: 47.548+/-96.310 χ²/NDF: 37.6/46
Right: 117.444+/-78.208 χ²/NDF: 88.6/66
In: 257.666+/-85.312 χ²/NDF:51.4/54
Out: -82.707+/-86.417 χ²/NDF:67.3/58
All: 89.669+/-60.712 χ²/NDF: 126.5/113

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 388.233+/-0.075 χ^2/NDF: 10577148.1/31

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 441.273+/-0.082 χ^2/NDF: 9911328.2/34

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

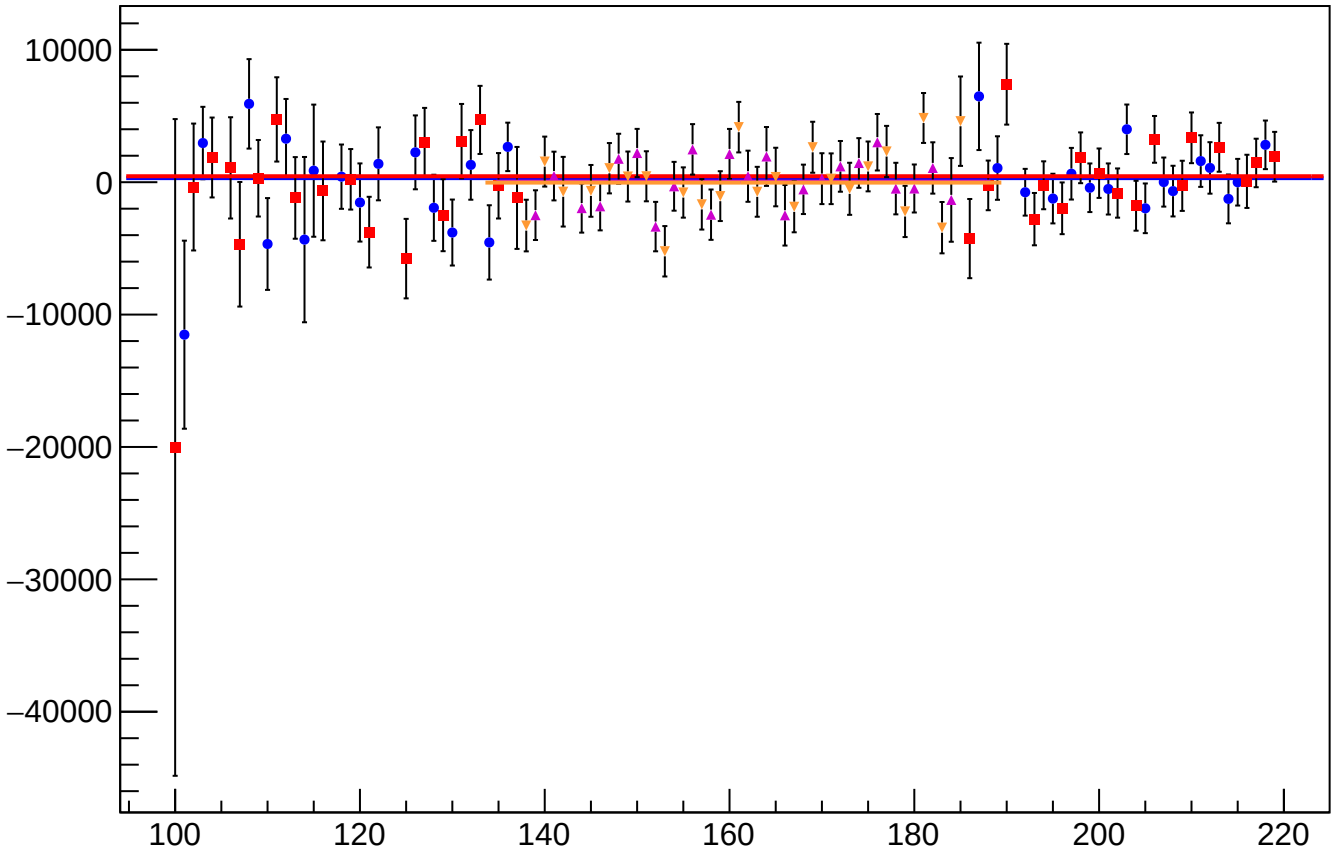
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 412.494+/-0.055 χ^2/NDF: 20716779.9/66

In: 439.946+/-0.060 χ^2/NDF:20358892.2/54

Out: 448.919+/-0.061 χ^2/NDF:21357448.3/58

All: 444.375+/-0.043 χ^2/NDF: 41727258.6/1



Right In: 308.177+/-402.313 χ^2/NDF: 32.1/31

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 450.490+/-396.868 χ^2/NDF: 39.0/34

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

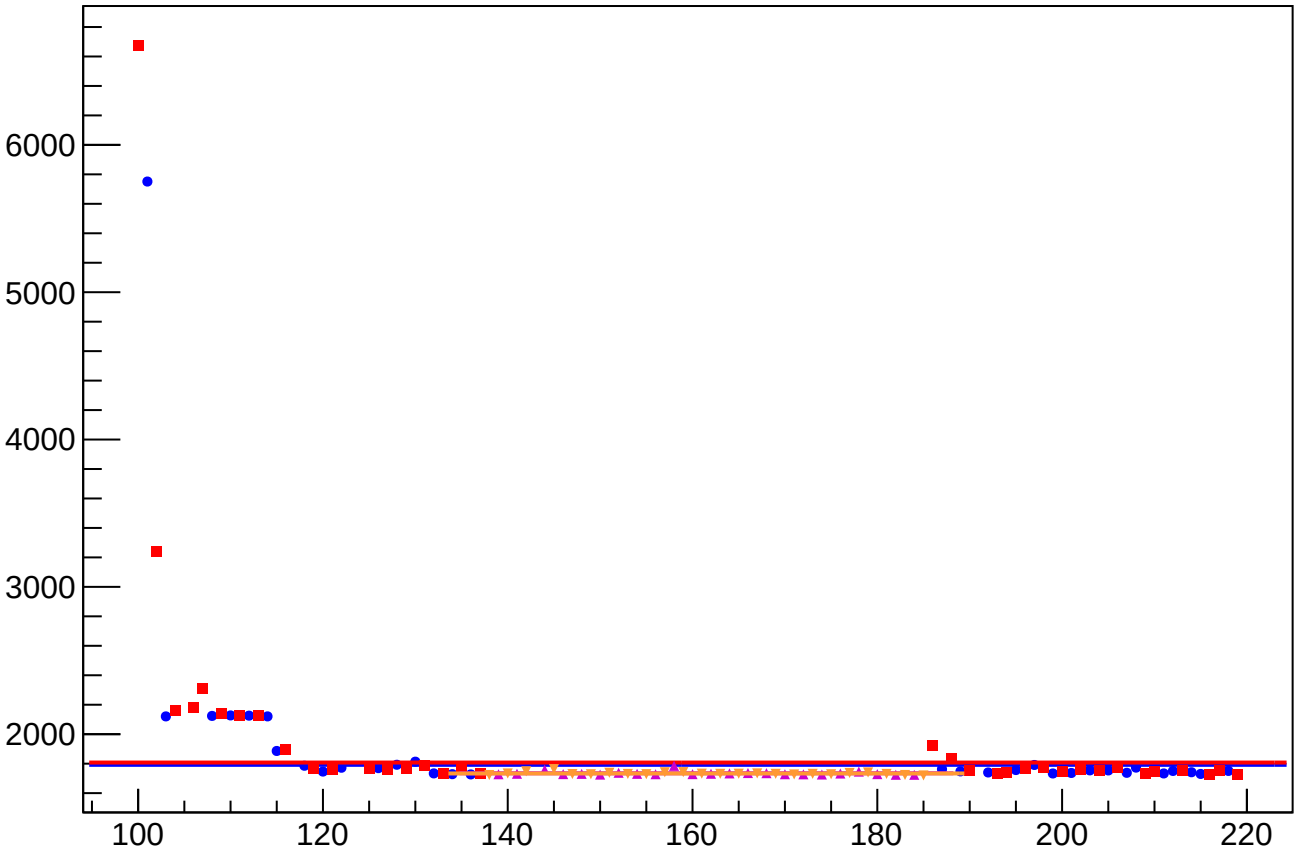
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 380.304+/-282.533 χ^2/NDF: 71.2/66

In: 176.222+/-285.442 χ^2/NDF:52.2/54

Out: 213.823+/-282.535 χ^2/NDF:75.2/58

All: 195.215+/-200.802 χ^2/NDF: 127.4/113



Right In: 1792.072+/-0.284 χ^2/NDF: 742689.0/31

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1807.579+/-0.281 χ^2/NDF: 432011.6/34

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

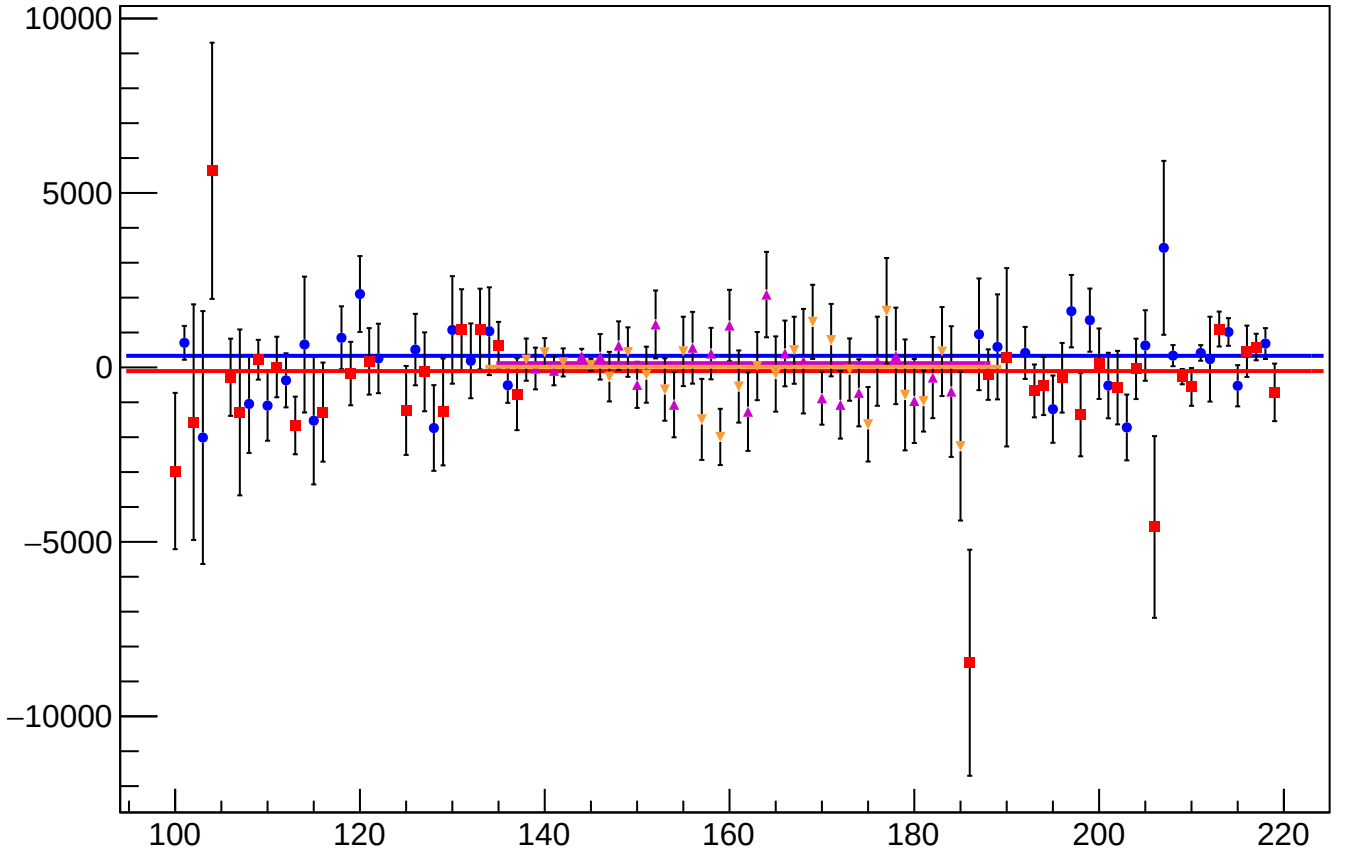
Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

Right: 1799.931+/-0.200 χ^2/NDF: 1176206.6/66

In: 1763.635+/-0.202 χ^2/NDF:764985.5/54

Out: 1771.034+/-0.200 χ^2/NDF:467299.3/58

All: 1767.372+/-0.142 χ^2/NDF: 1232963.6/11



Right In: 331.898+/-116.407 χ^2/NDF: 33.6/31

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

Right Out: -105.303+/-123.651 χ^2/NDF: 37.7/34

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

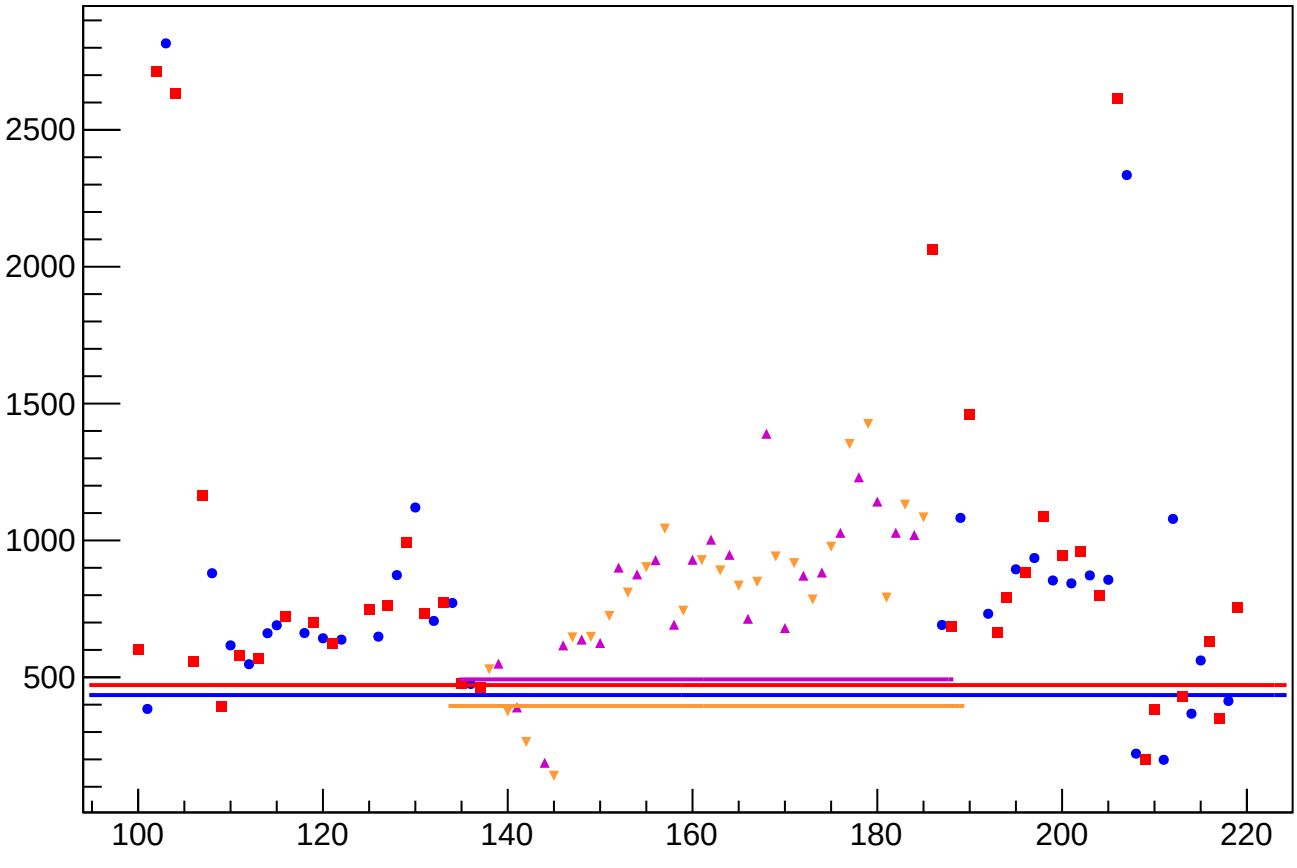
Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

Right: 126.478+/-84.757 χ^2/NDF: 78.0/66

In: 243.883+/-88.749 χ^2/NDF:51.5/54

Out: -41.447+/-85.867 χ^2/NDF:57.6/58

All: 96.509+/-61.711 χ^2/NDF: 114.5/113



Right In: 435.003+/-0.082 χ^2/NDF: 10914592.3/31

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 471.483+/-0.087 χ^2/NDF: 11220404.0/34

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

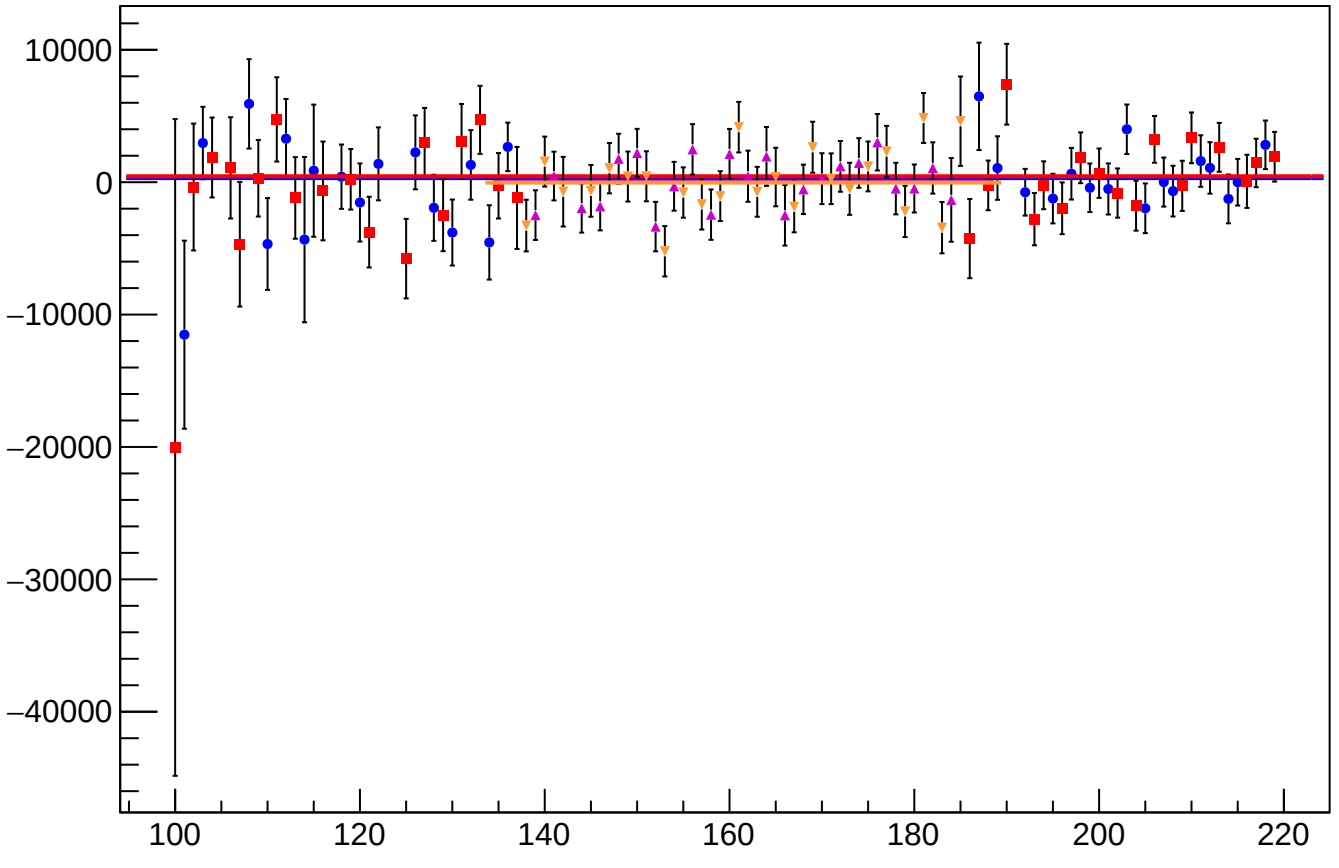
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

Right: 452.143+/-0.060 χ^2/NDF: 22227281.8/66

In: 458.993+/-0.063 χ^2/NDF:21536947.4/54

Out: 431.980+/-0.061 χ^2/NDF:25949059.4/58

All: 445.041+/-0.044 χ^2/NDF: 47581706.6/11



Right In: 308.178+/-402.313 χ^2/NDF: 32.1/31

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: 450.494+/-396.868 χ^2/NDF: 39.0/34

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

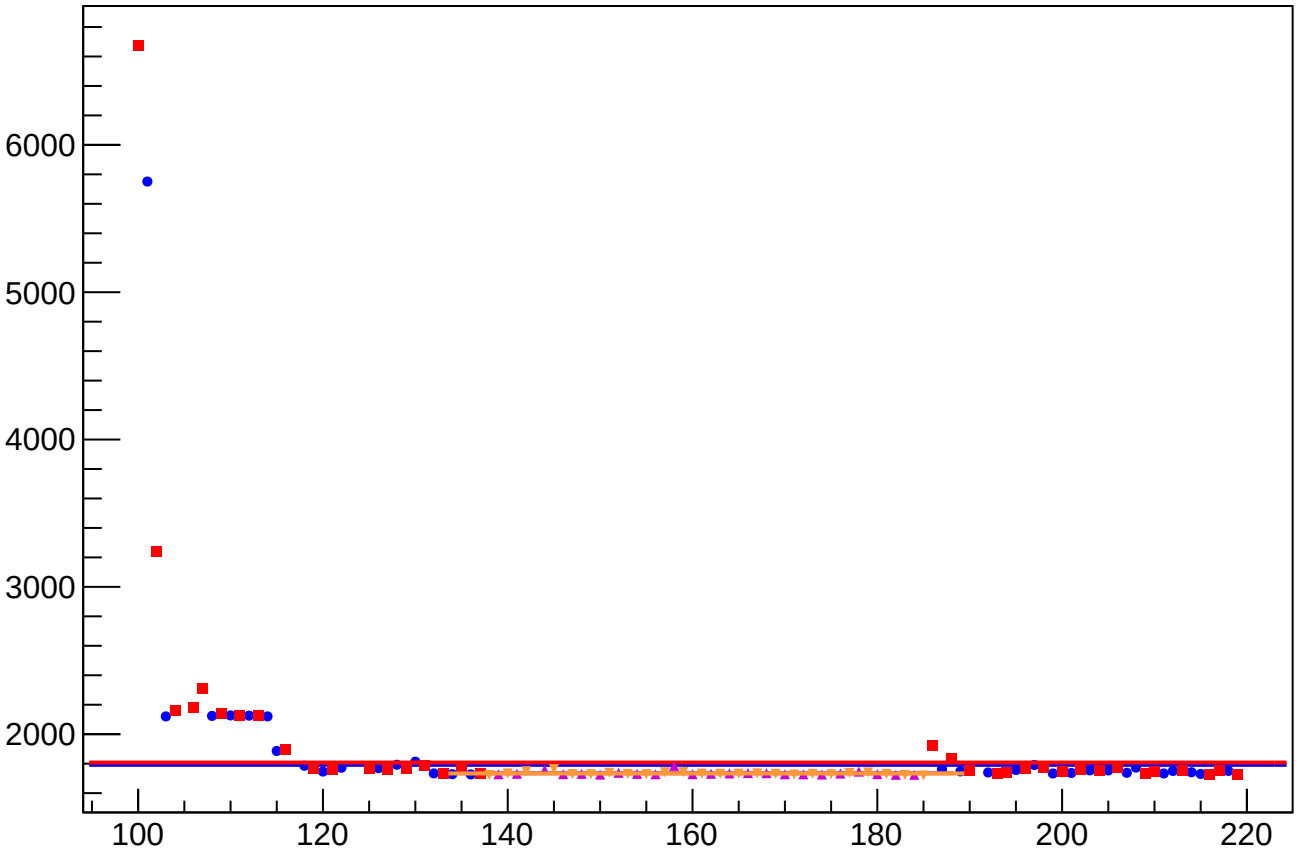
Left: 6.293+/-285.443 χ^2/NDF: 55.3/46

Right: 380.306+/-282.533 χ^2/NDF: 71.2/66

In: 176.223+/-285.442 χ^2/NDF:52.2/54

Out: 213.823+/-282.535 χ^2/NDF:75.2/58

All: 195.216+/-200.802 χ^2/NDF: 127.4/113



Right In: 1792.072+/-0.284 χ^2/NDF: 742688.6/31

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1807.579+/-0.281 χ^2/NDF: 432010.7/34

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

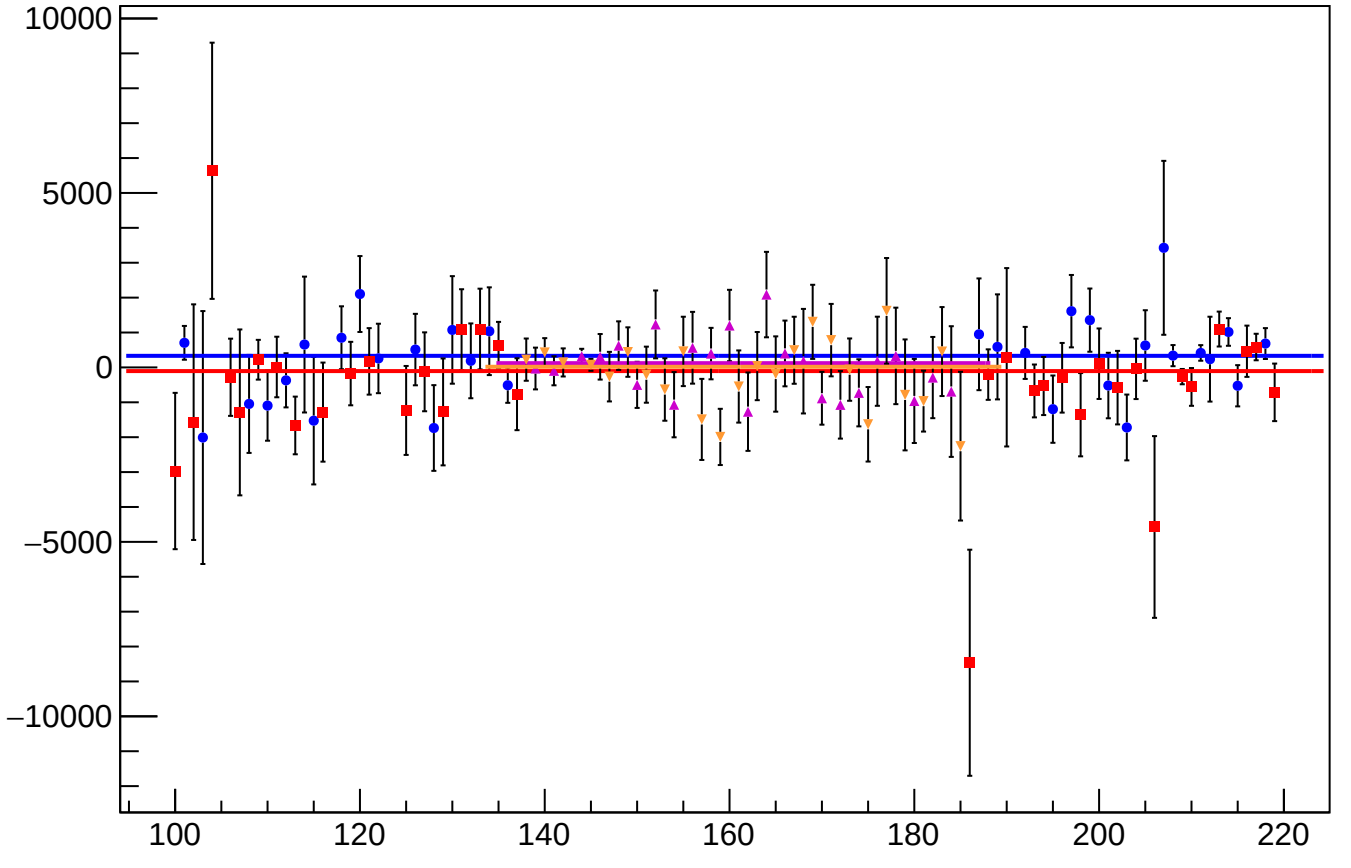
Right: 1799.931+/-0.200 χ^2/NDF: 1176205.3/66

In: 1763.635+/-0.202 χ^2/NDF:764985.1/54

Out: 1771.034+/-0.200 χ^2/NDF:467298.5/58

All: 1767.372+/-0.142 χ^2/NDF: 1232962.3/11

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 331.898+/-116.407 χ^2/NDF: 33.6/31

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

Right Out: -105.300+/-123.650 χ^2/NDF: 37.7/34

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

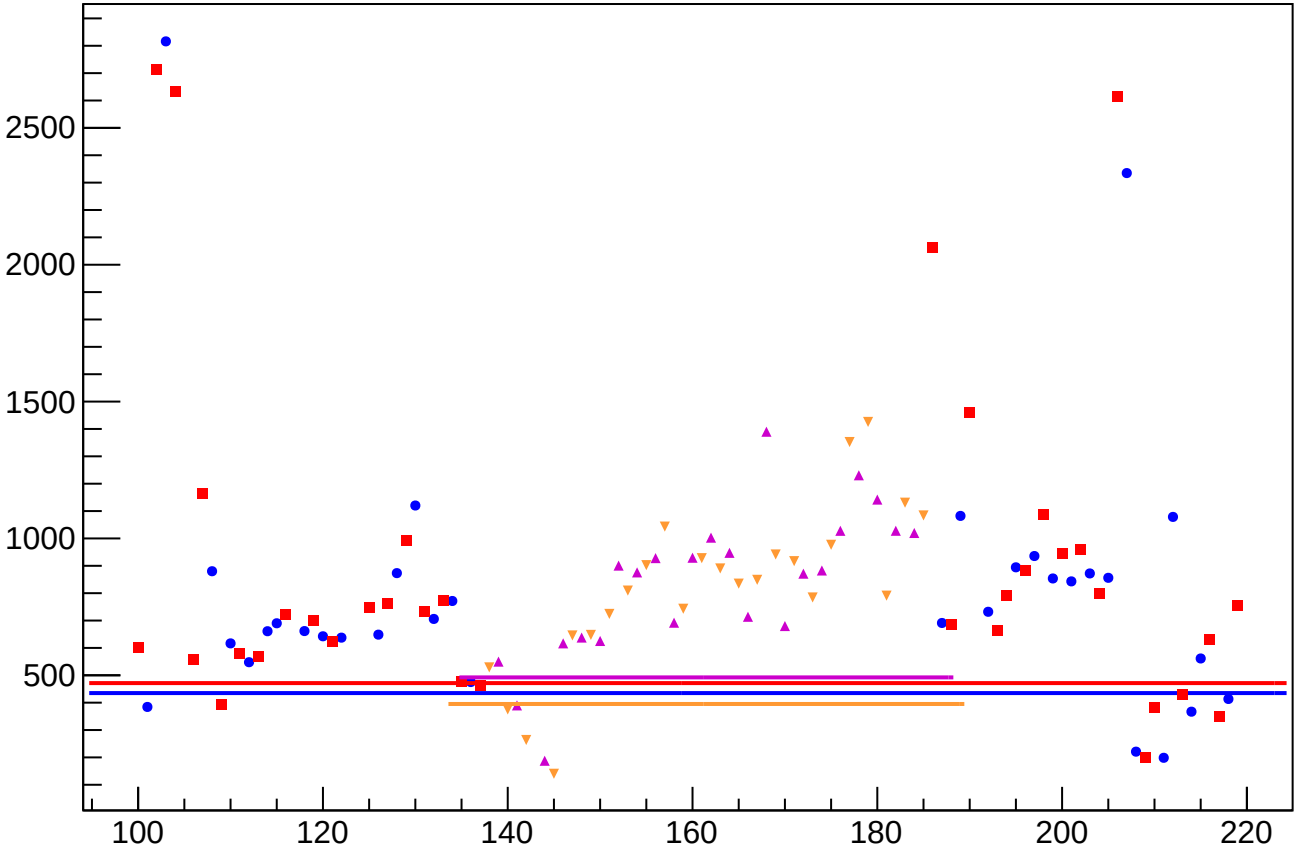
Right: 126.478+/-84.757 χ^2/NDF: 78.0/66

In: 243.883+/-88.749 χ^2/NDF:51.5/54

Out: -41.447+/-85.867 χ^2/NDF:57.6/58

All: 96.509+/-61.711 χ^2/NDF: 114.5/113

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 435.004+/-0.082 χ^2/NDF: 10914523.2/31

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 471.479+/-0.087 χ^2/NDF: 11220492.8/34

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

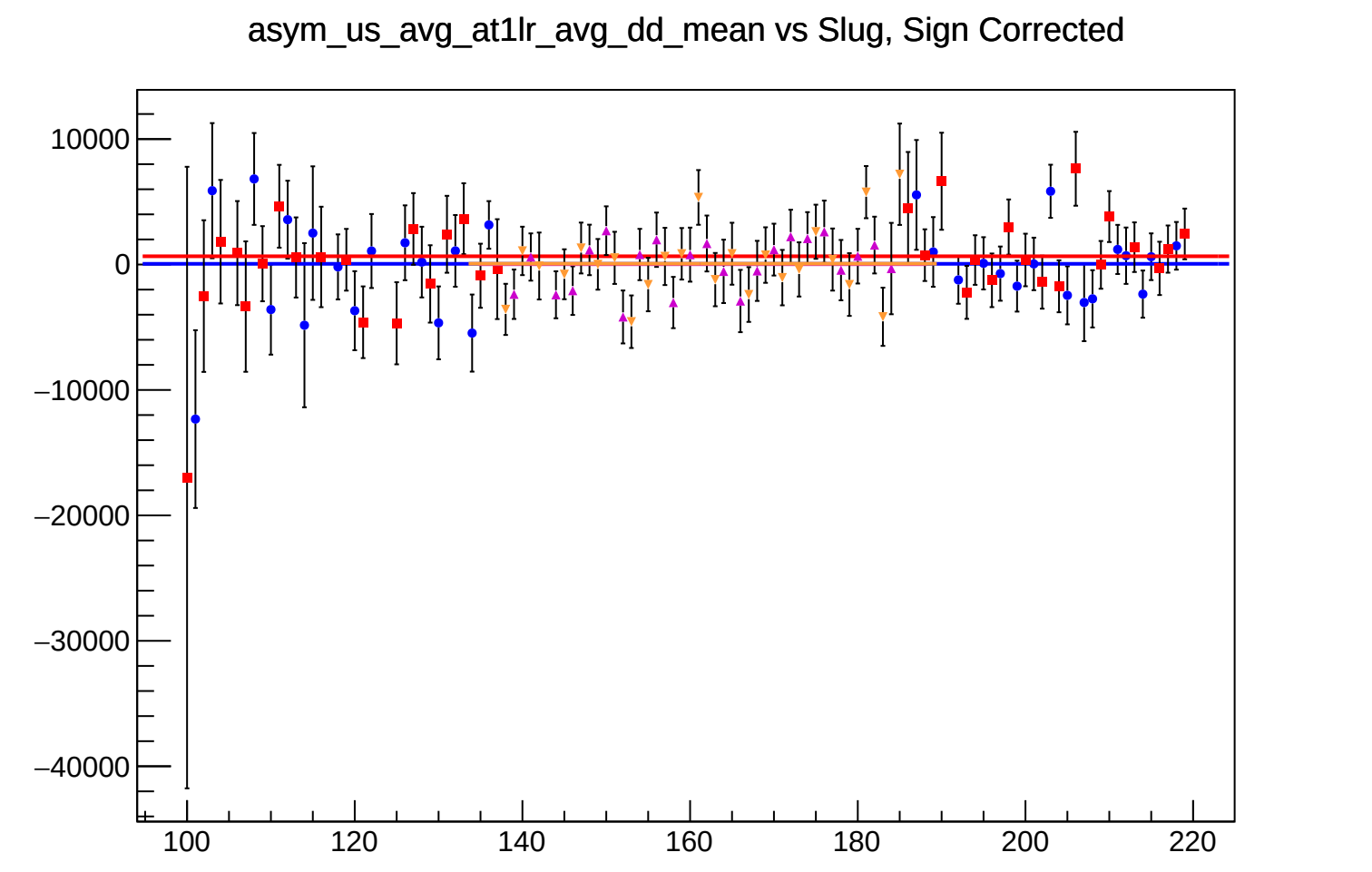
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 452.142+/-0.060 χ^2/NDF: 22227279.6/66

In: 458.994+/-0.063 χ^2/NDF:21536899.4/54

Out: 431.979+/-0.061 χ^2/NDF:25949159.8/58

All: 445.041+/-0.044 χ^2/NDF: 47581775.0/1



Right In: 55.628+/-447.942 χ^2/NDF: 38.1/31

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: 658.238+/-439.990 χ^2/NDF: 30.6/34

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

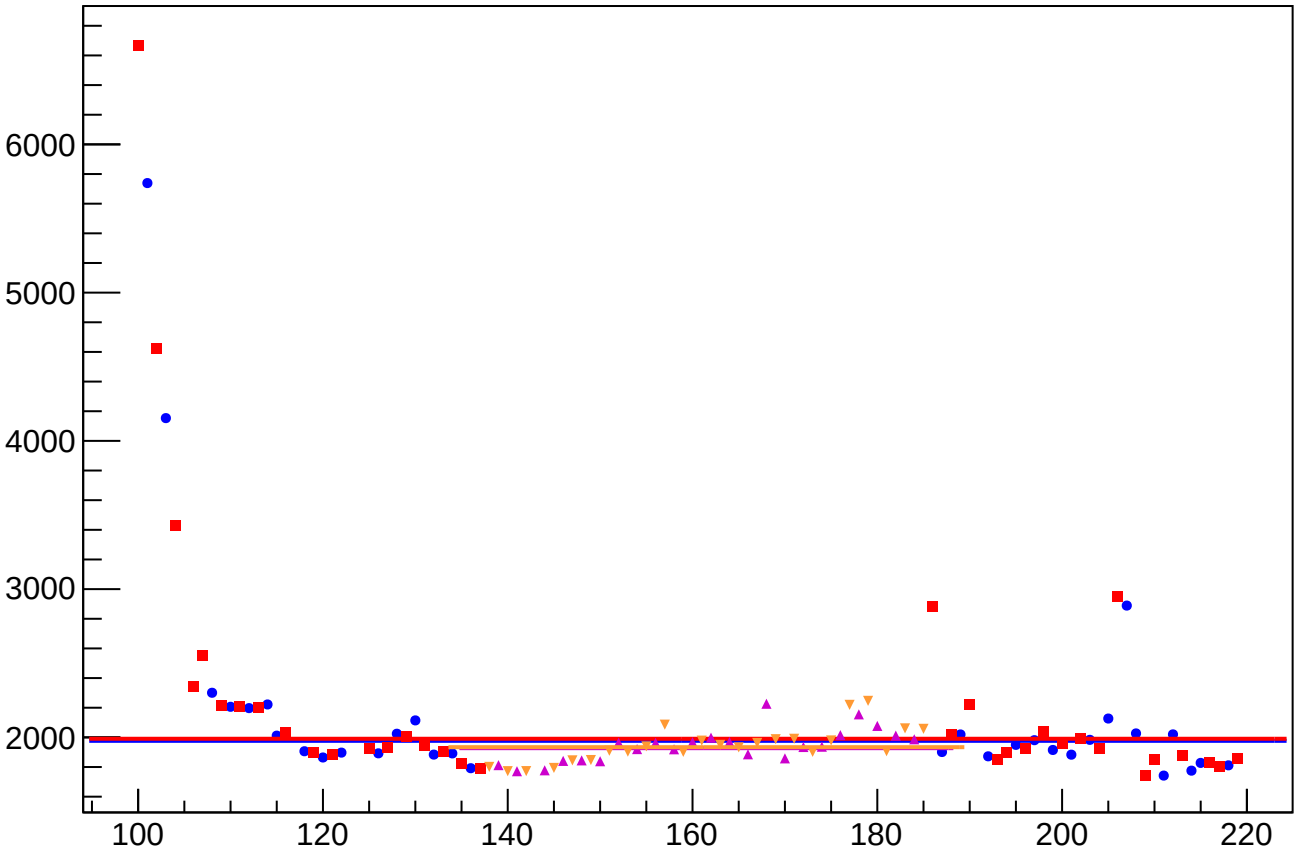
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 362.330+/-313.894 χ^2/NDF: 69.6/66

In: 40.695+/-317.733 χ^2/NDF:58.1/54

Out: 368.939+/-314.514 χ^2/NDF:65.1/58

All: 206.488+/-223.524 χ^2/NDF: 123.7/113



Right In: 1976.693+/-0.317 χ^2/NDF: 1239605.4/31

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

Right Out: 1990.632+/-0.311 χ^2/NDF: 1119251.0/34

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

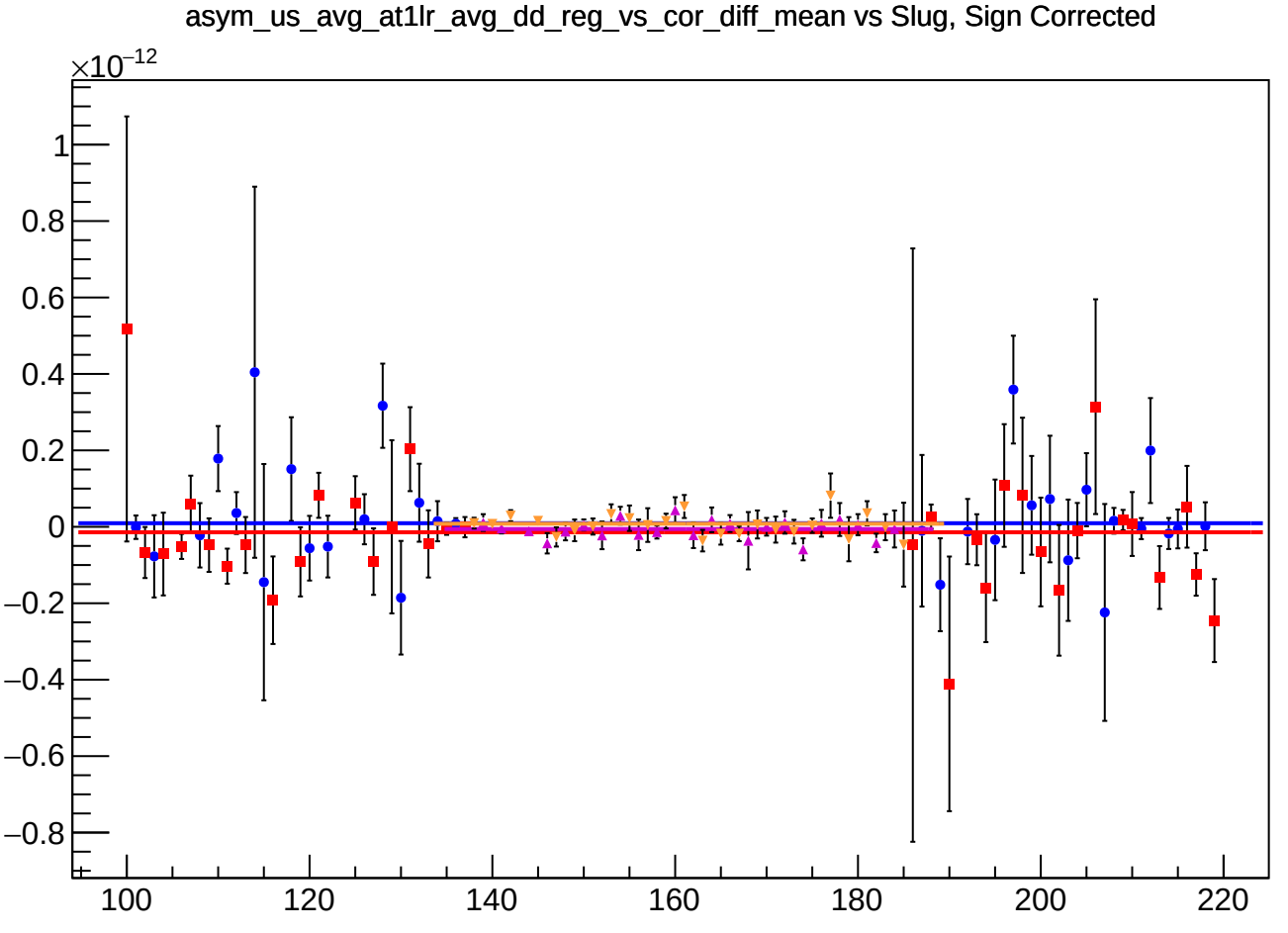
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

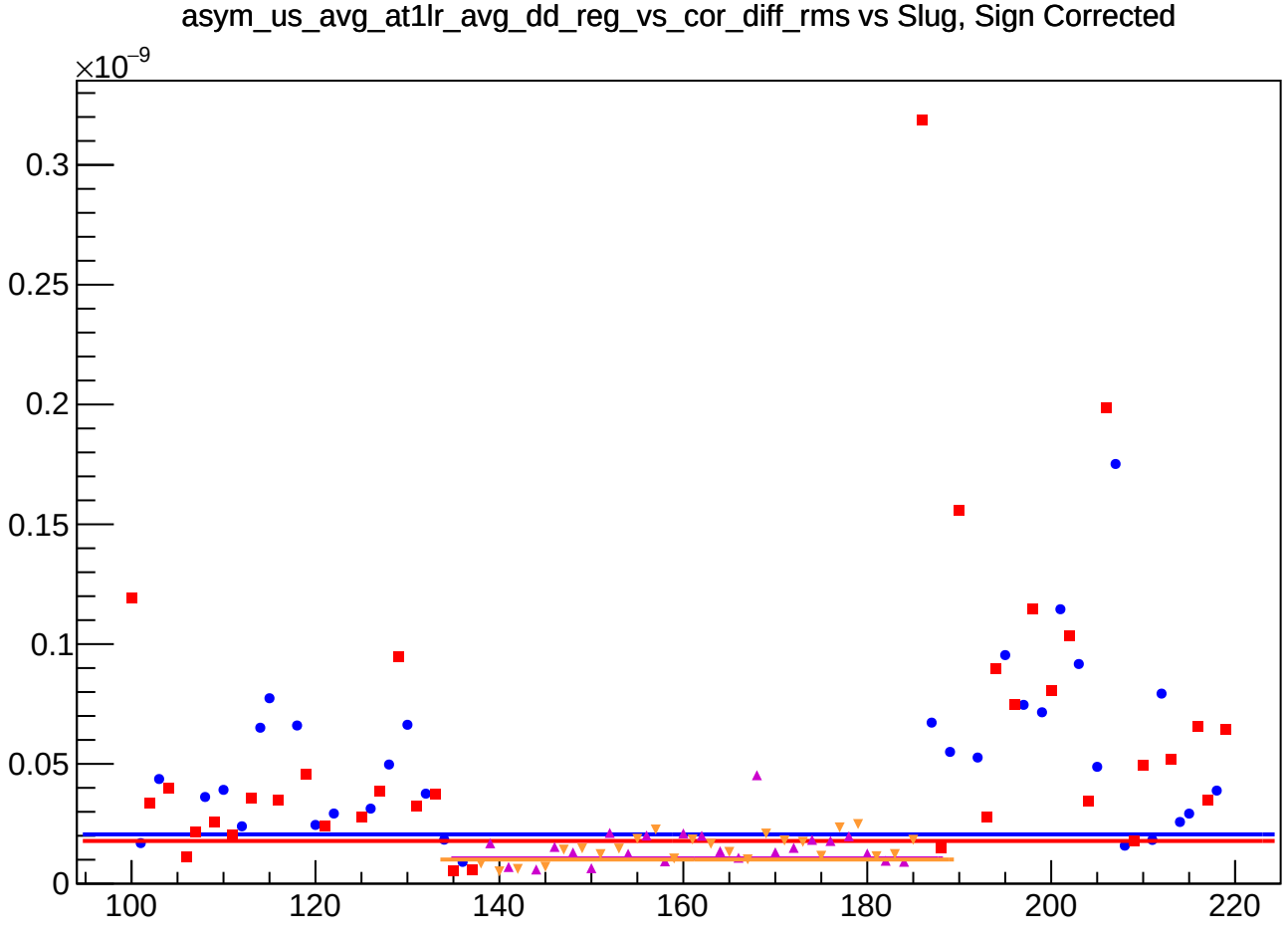
Right: 1983.788+/-0.222 χ^2/NDF: 2359842.1/66

In: 1952.064+/-0.225 χ^2/NDF:1368209.9/54

Out: 1962.842+/-0.222 χ^2/NDF:1264098.5/58

All: 1957.508+/-0.158 χ^2/NDF: 2633470.7/11


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 31.0/31
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 40.5/34
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: 0.000+/-0.000 χ²/NDF: 38.9/46
Right: -0.000+/-0.000 χ²/NDF: 74.9/66
In: -0.000+/-0.000 χ²/NDF:49.9/54
Out: 0.000+/-0.000 χ²/NDF:62.9/58
All: 0.000+/-0.000 χ²/NDF: 114.2/113



Right In: 0.000+/-0.000 χ^2/NDF: 6364043.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8269424.5/34

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

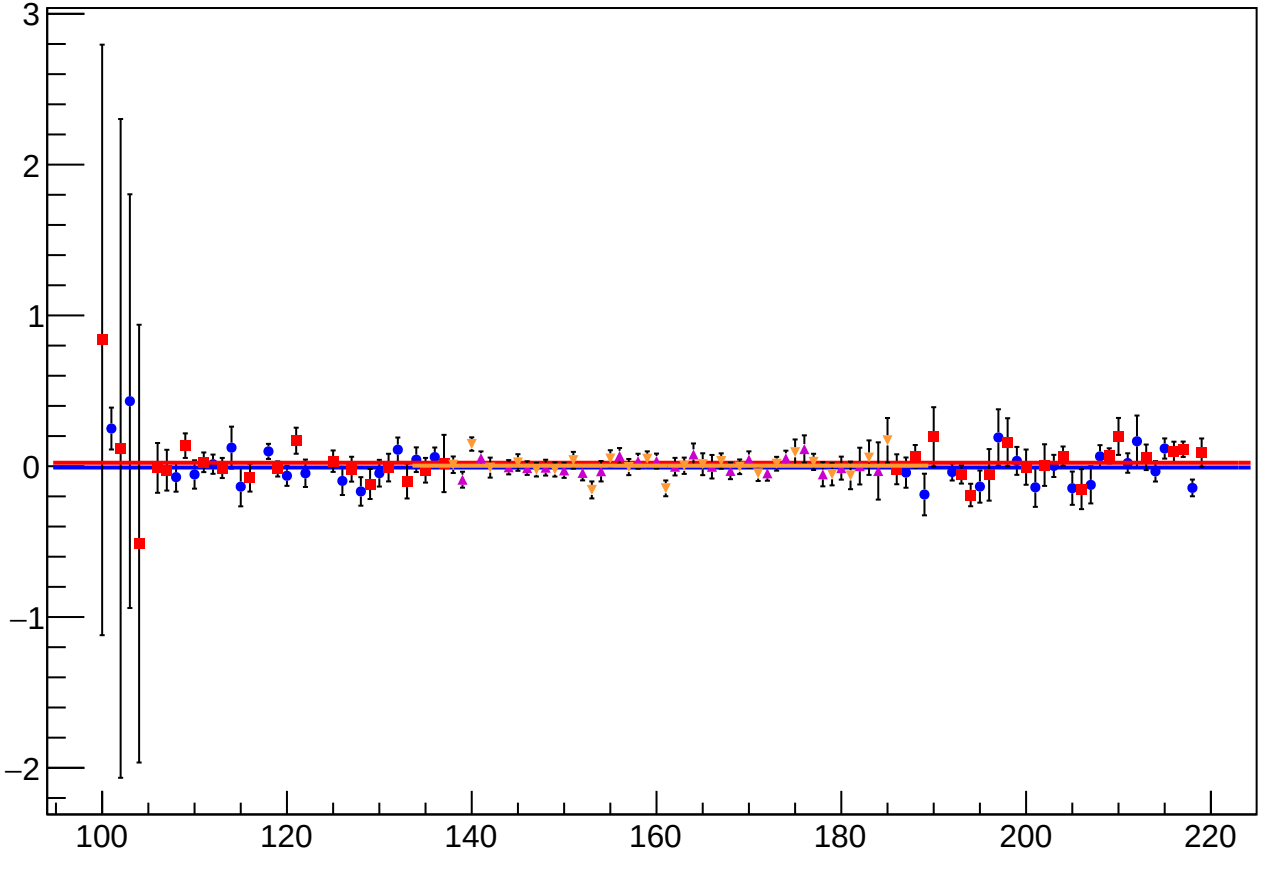
Right: 0.000+/-0.000 χ^2/NDF: 14724810.4/66

In: 0.000+/-0.000 χ^2/NDF:10807041.4/54

Out: 0.000+/-0.000 χ^2/NDF:11762453.8/58

All: 0.000+/-0.000 χ^2/NDF: 22621577.6/113

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.015 χ^2/NDF: 39.4/31

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

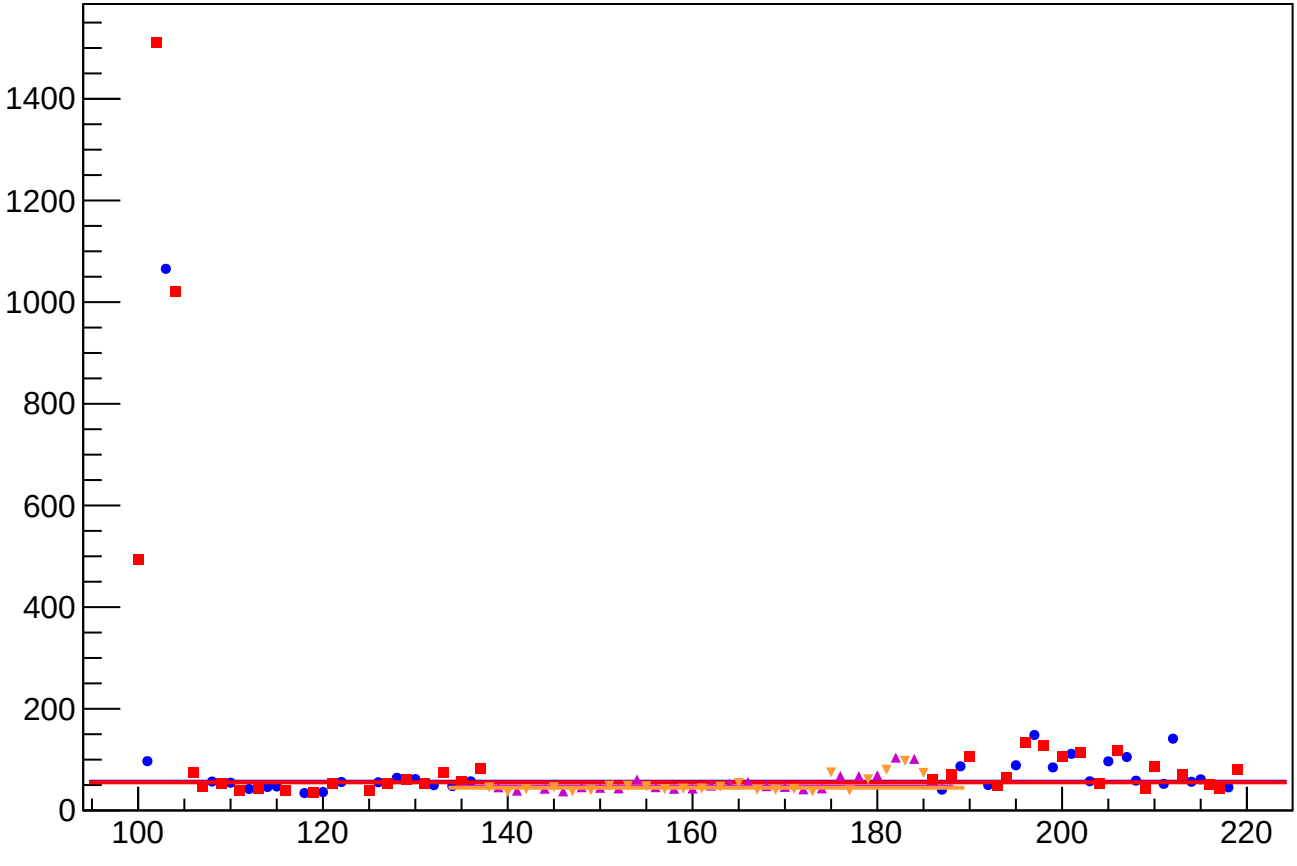
Right: 0.008+/-0.010 χ^2/NDF: 75.2/66

In: -0.002+/-0.009 χ^2/NDF:54.2/54

Out: 0.011+/-0.009 χ^2/NDF:69.6/58

All: 0.005+/-0.006 χ^2/NDF: 124.9/113

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.537+/-0.010 χ^2/NDF: 4565225.8/31

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 55.362+/-0.010 χ^2/NDF: 5534164.7/34

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

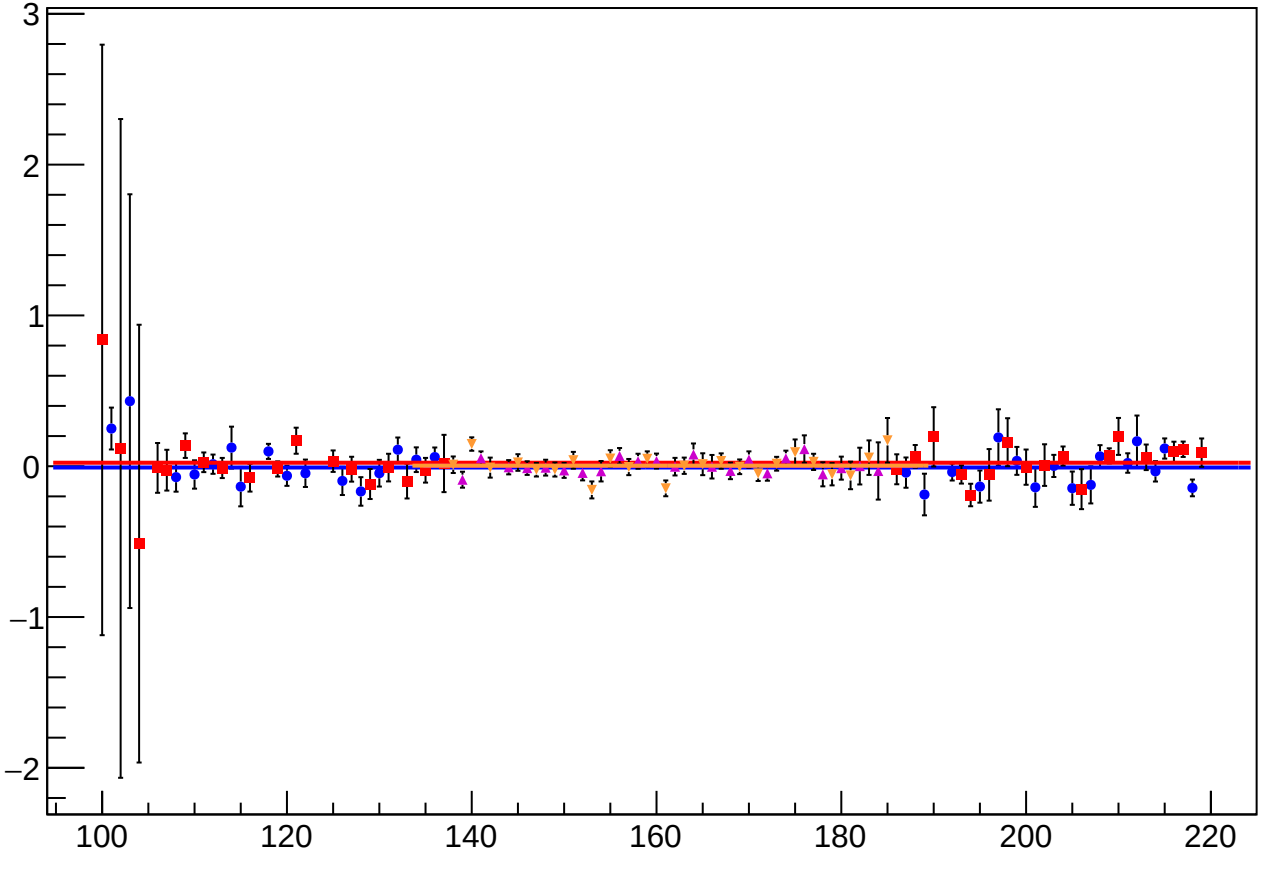
Right: 55.940+/-0.007 χ^2/NDF: 10105839.4/66

In: 50.794+/-0.007 χ^2/NDF:6449736.1/54

Out: 48.838+/-0.006 χ^2/NDF:7674663.8/58

All: 49.787+/-0.005 χ^2/NDF: 14170133.5/113

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.015 χ^2/NDF: 39.4/31

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

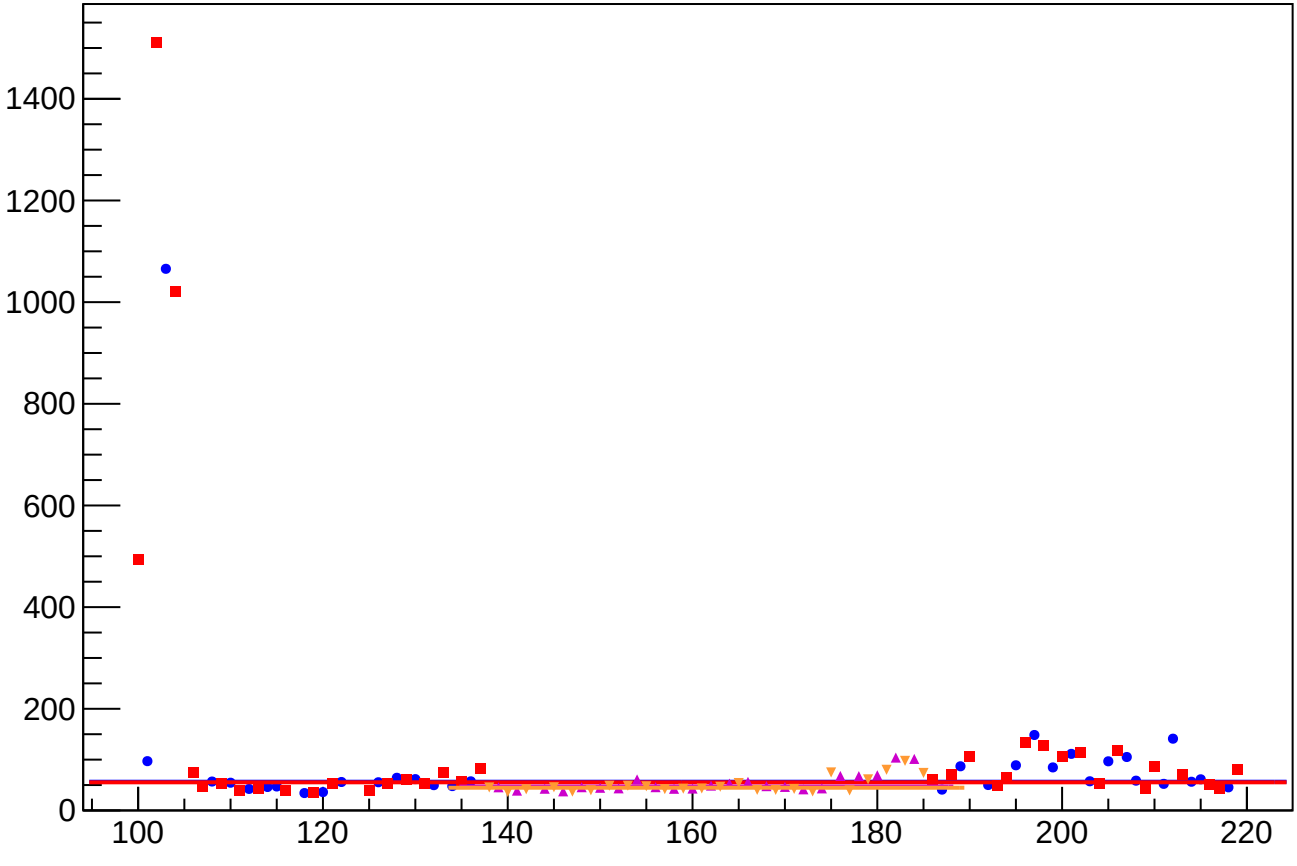
Right: 0.008+/-0.010 χ^2/NDF: 75.2/66

In: -0.002+/-0.009 χ^2/NDF:54.2/54

Out: 0.011+/-0.009 χ^2/NDF:69.6/58

All: 0.005+/-0.006 χ^2/NDF: 124.9/113

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.537+/-0.010 χ^2/NDF: 4565225.8/31

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 55.362+/-0.010 χ^2/NDF: 5534164.7/34

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

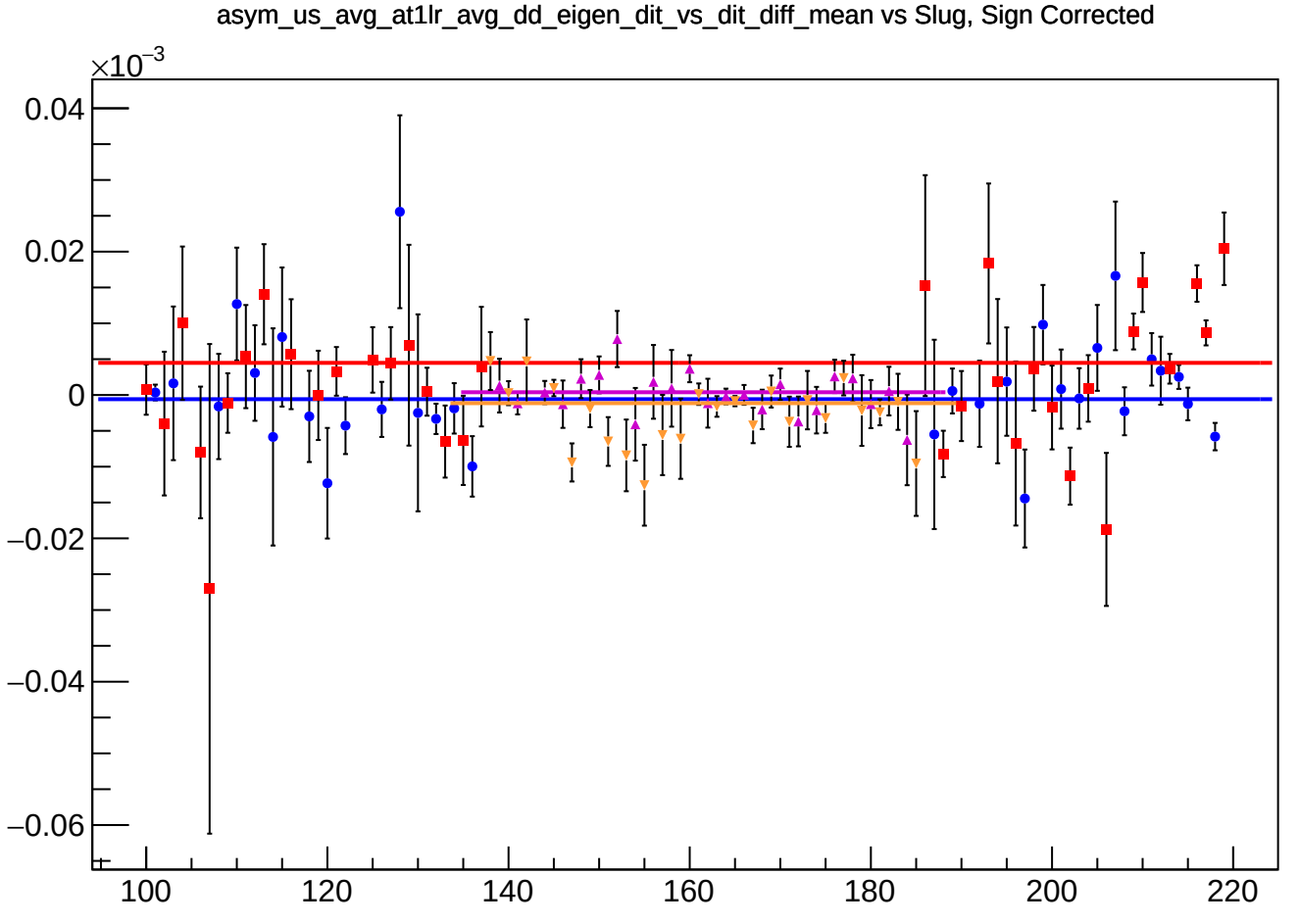
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 55.940+/-0.007 χ^2/NDF: 10105839.4/66

In: 50.794+/-0.007 χ^2/NDF:6449736.1/54

Out: 48.838+/-0.006 χ^2/NDF:7674663.8/58

All: 49.787+/-0.005 χ^2/NDF: 14170133.5/113



Right In: -0.000+/-0.000 χ^2/NDF: 45.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 106.0/34

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

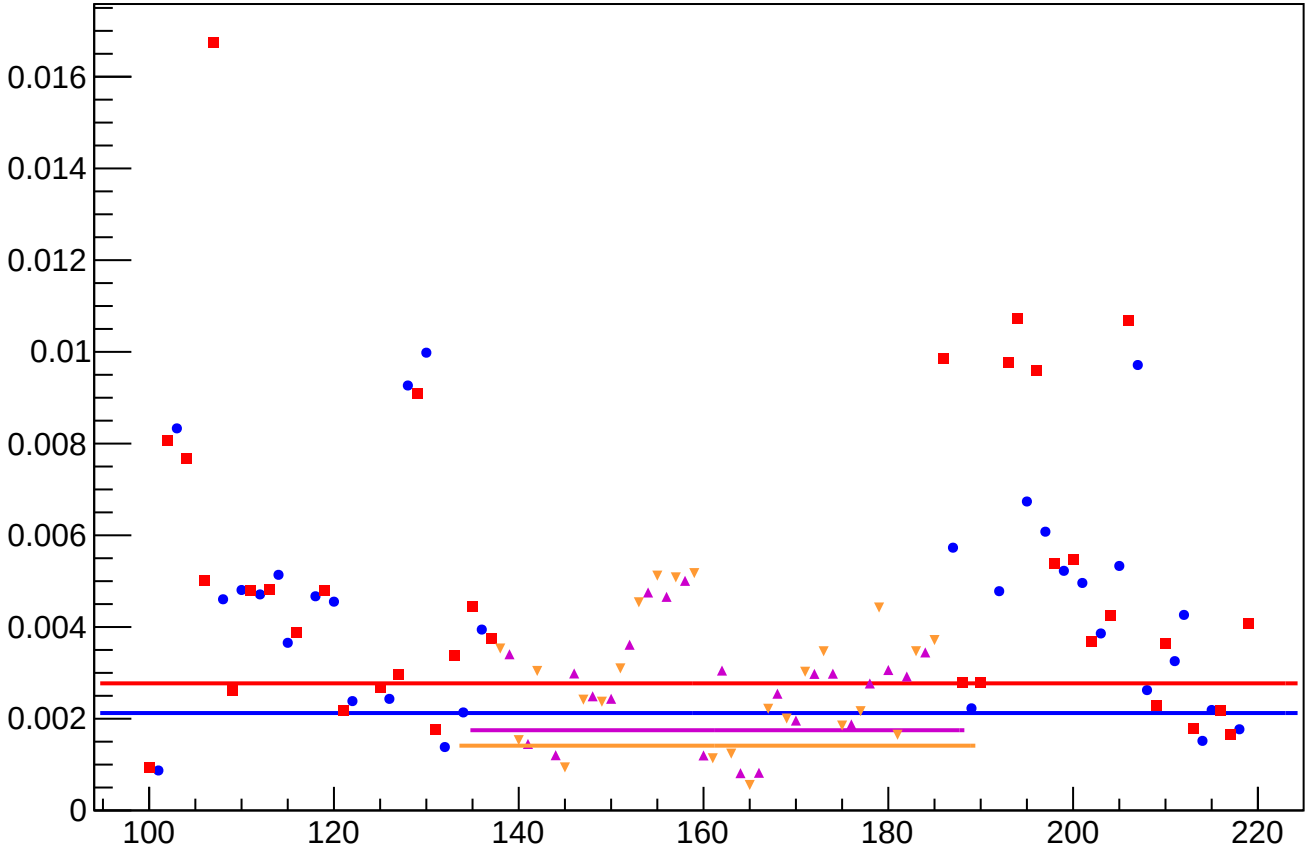
Right: 0.000+/-0.000 χ^2/NDF: 180.6/66

In: -0.000+/-0.000 χ^2/NDF:63.3/54

Out: 0.000+/-0.000 χ^2/NDF:187.5/58

All: 0.000+/-0.000 χ^2/NDF: 251.0/113

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 12605188.3/31

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10178278.9/34

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

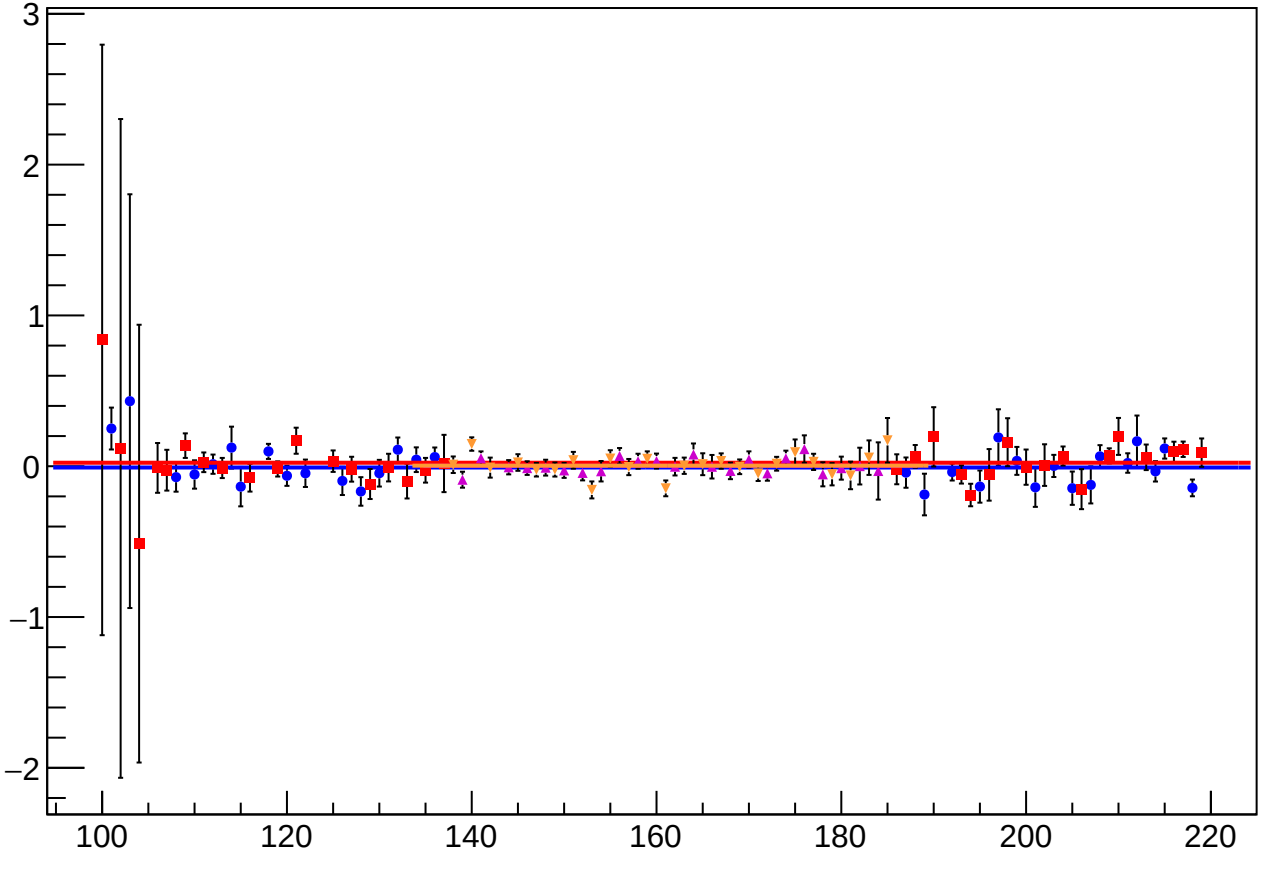
Right: 0.002+/-0.000 χ^2/NDF: 23739669.5/66

In: 0.002+/-0.000 χ^2/NDF:21314950.1/54

Out: 0.002+/-0.000 χ^2/NDF:27117786.0/58

All: 0.002+/-0.000 χ^2/NDF: 48615678.4/113

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.015 χ^2/NDF: 39.4/31

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

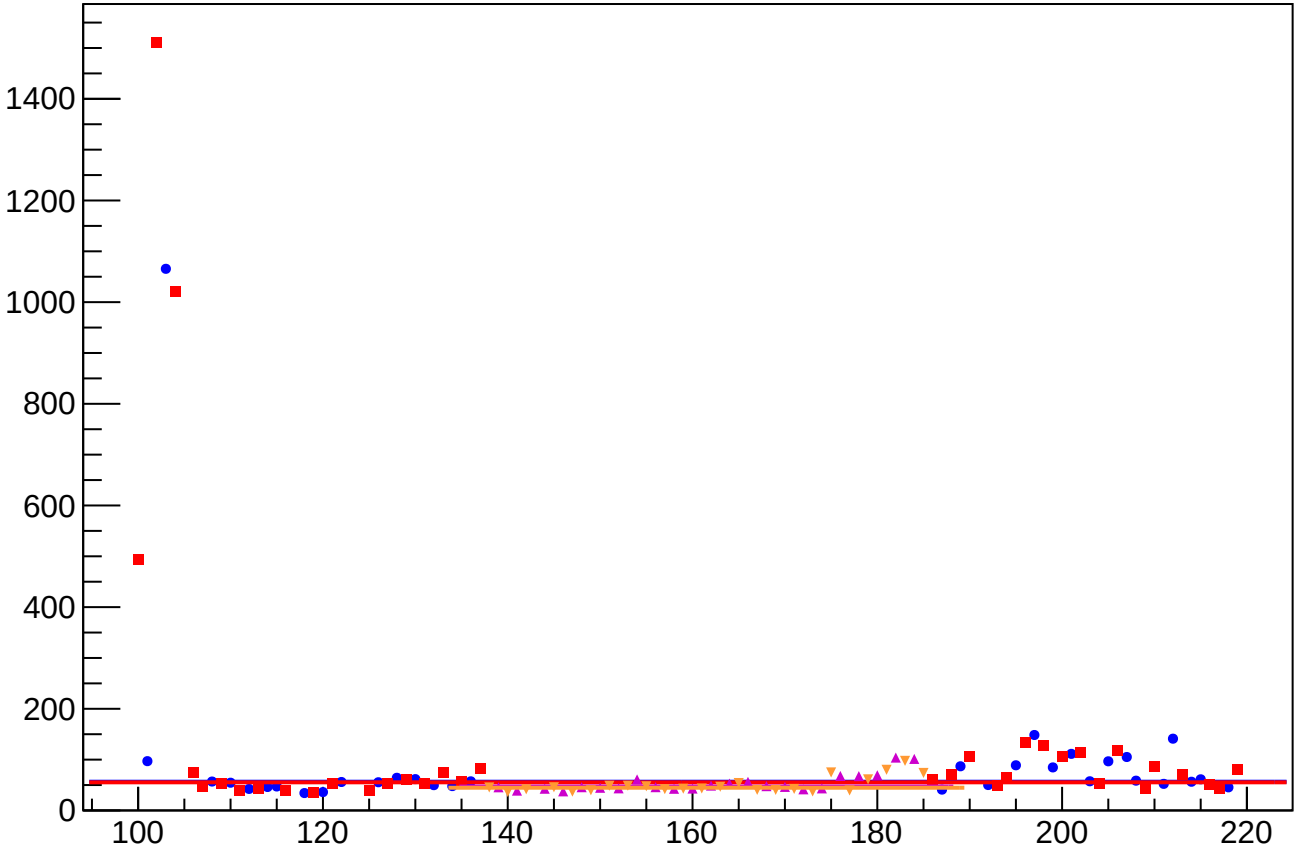
Right: 0.008+/-0.010 χ^2/NDF: 75.2/66

In: -0.002+/-0.009 χ^2/NDF:54.2/54

Out: 0.011+/-0.009 χ^2/NDF:69.6/58

All: 0.005+/-0.006 χ^2/NDF: 124.9/113

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.536+/-0.010 χ^2/NDF: 4565310.0/31

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.361+/-0.010 χ^2/NDF: 5534313.6/34

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

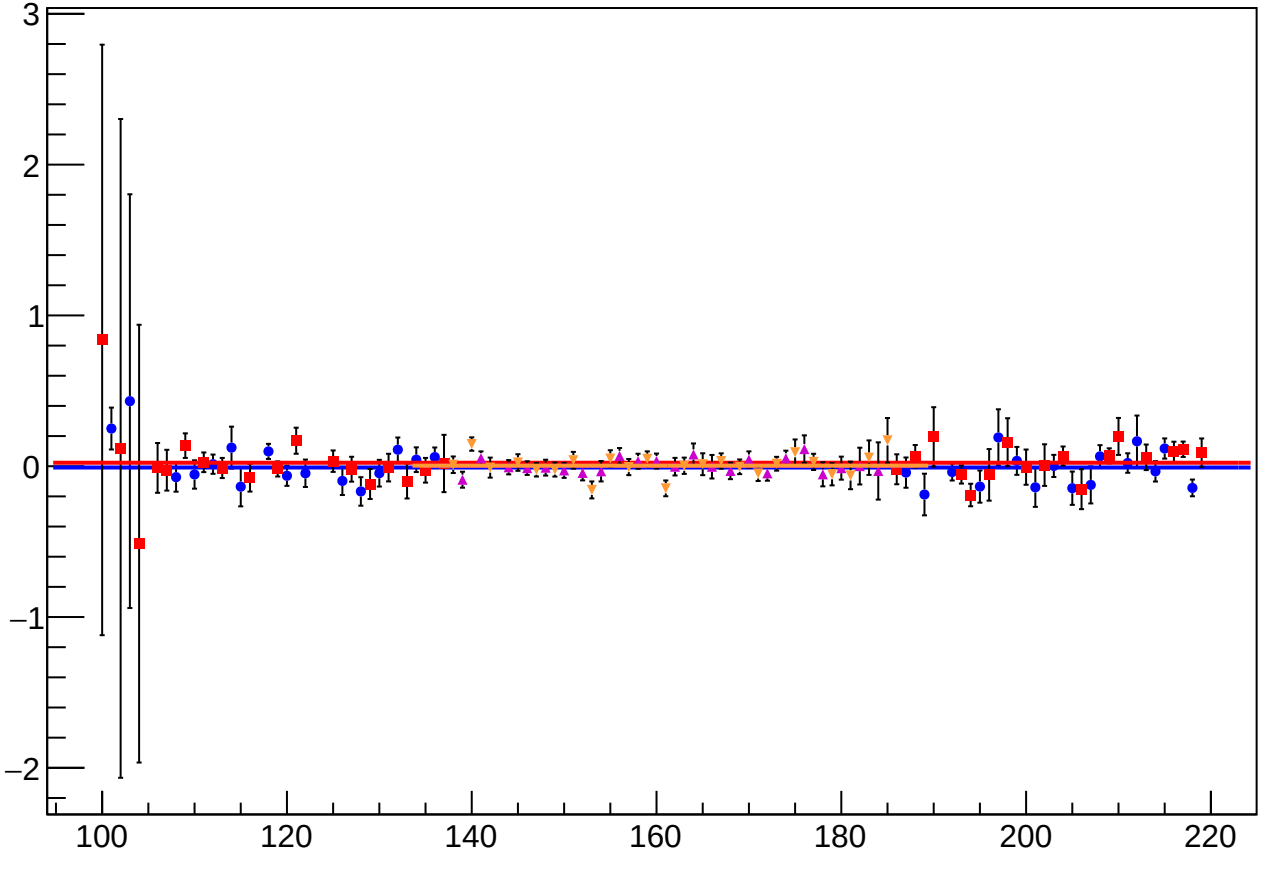
Right: 55.939+/-0.007 χ^2/NDF: 10106077.8/66

In: 50.794+/-0.007 χ^2/NDF:6449873.3/54

Out: 48.837+/-0.006 χ^2/NDF:7674686.9/58

All: 49.787+/-0.005 χ^2/NDF: 14170287.6/113

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.015 χ^2/NDF: 39.4/31

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

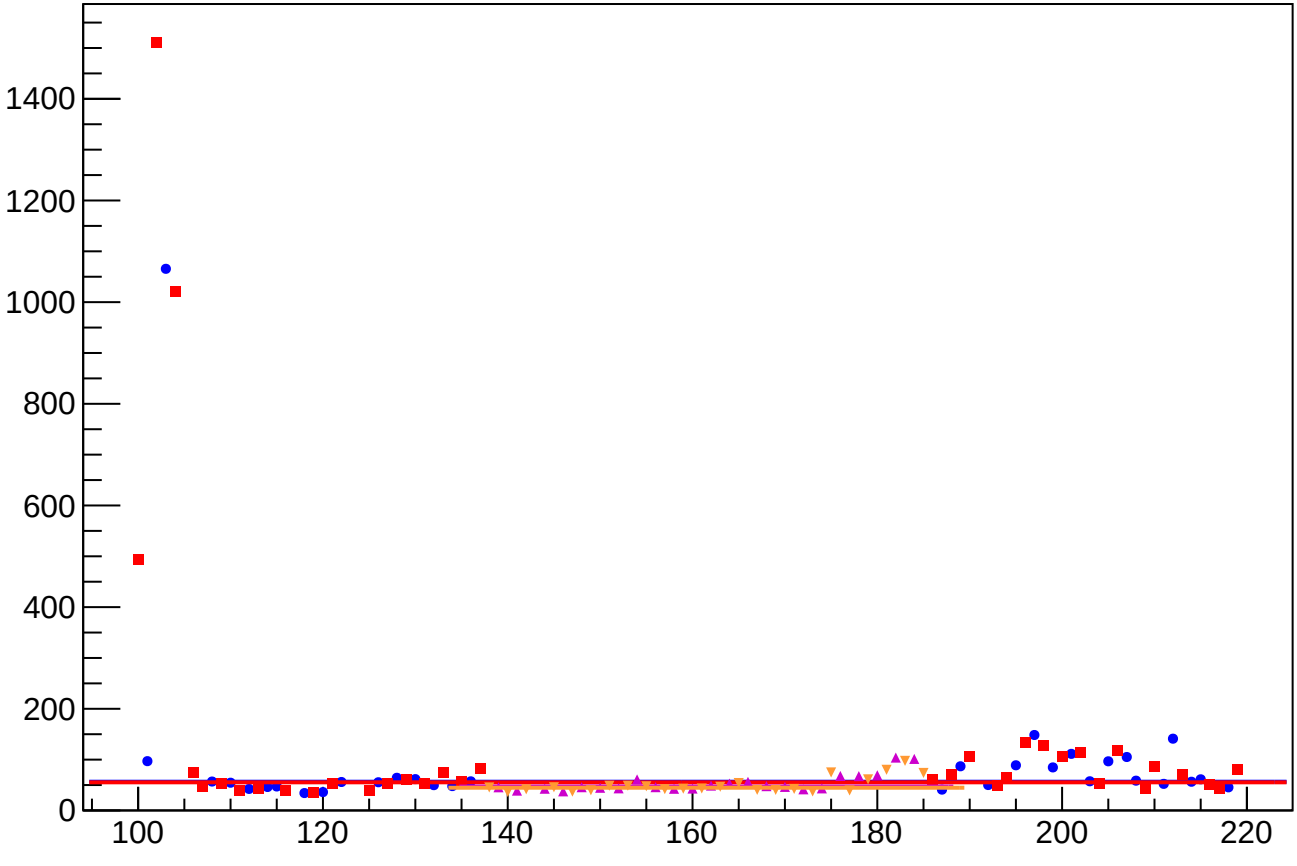
Right: 0.008+/-0.010 χ^2/NDF: 75.2/66

In: -0.002+/-0.009 χ^2/NDF:54.2/54

Out: 0.011+/-0.009 χ^2/NDF:69.6/58

All: 0.005+/-0.006 χ^2/NDF: 124.9/113

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.536+/-0.010 χ^2/NDF: 4565310.0/31

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.361+/-0.010 χ^2/NDF: 5534313.6/34

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

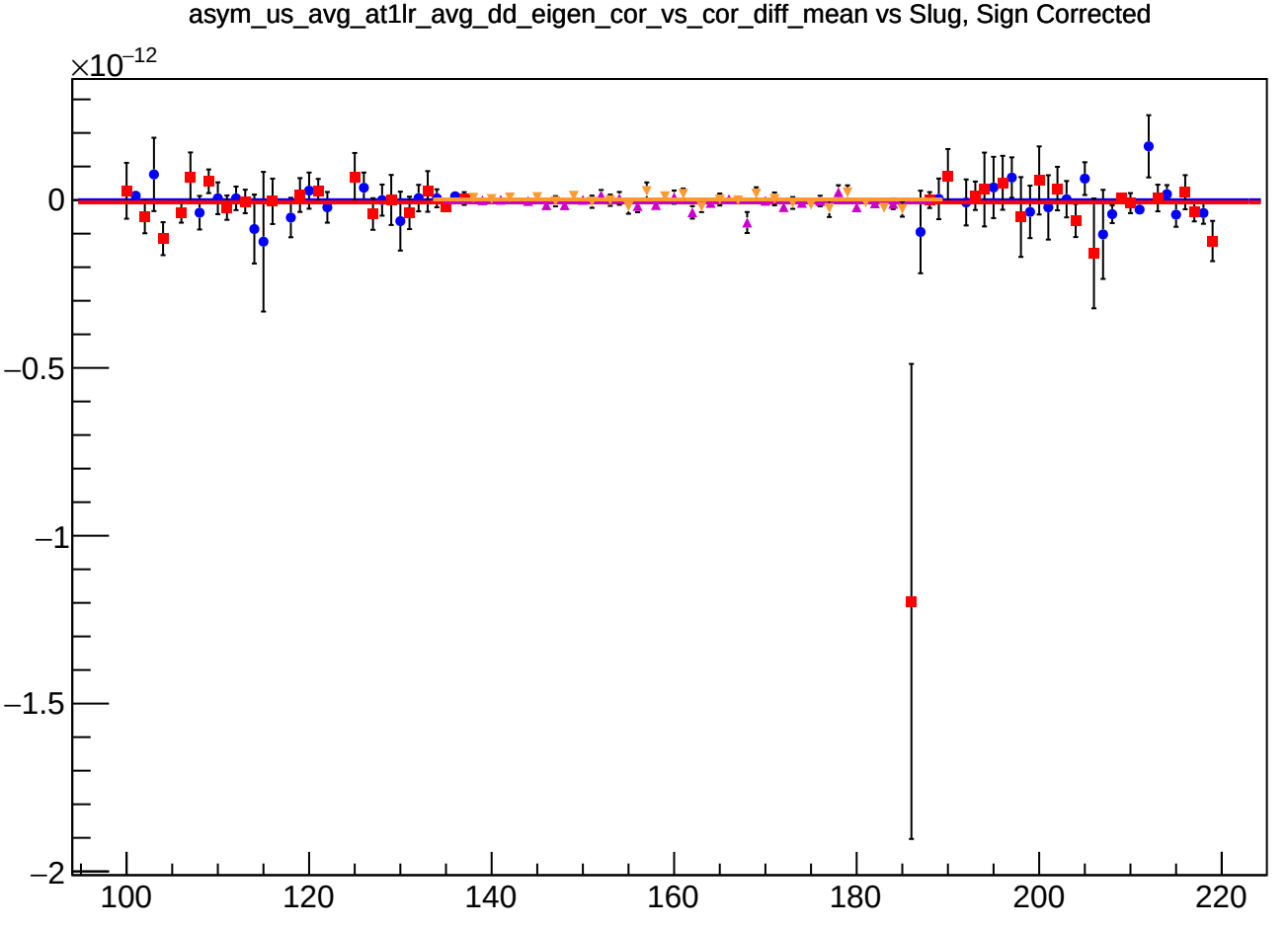
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 55.939+/-0.007 χ^2/NDF: 10106077.8/66

In: 50.794+/-0.007 χ^2/NDF:6449873.3/54

Out: 48.837+/-0.006 χ^2/NDF:7674686.9/58

All: 49.787+/-0.005 χ^2/NDF: 14170287.6/113



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 30.7/34

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

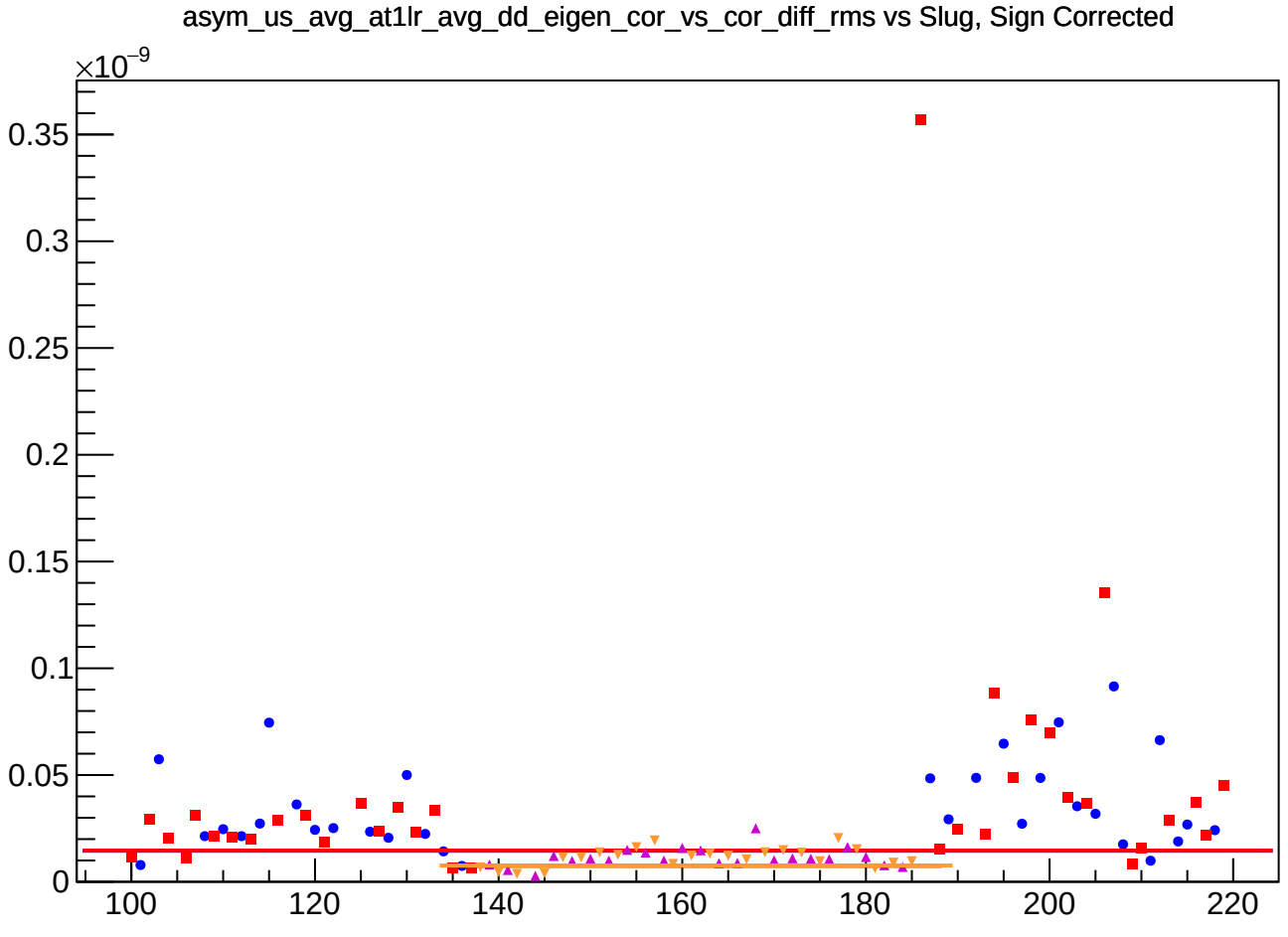
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

Right: -0.000+/-0.000 χ^2/NDF: 55.8/66

In: -0.000+/-0.000 χ^2/NDF:42.9/54

Out: 0.000+/-0.000 χ^2/NDF:53.4/58

All: -0.000+/-0.000 χ^2/NDF: 98.8/113



Right In: 0.000+/-0.000 χ^2/NDF: 8455240.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9671222.2/34

Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

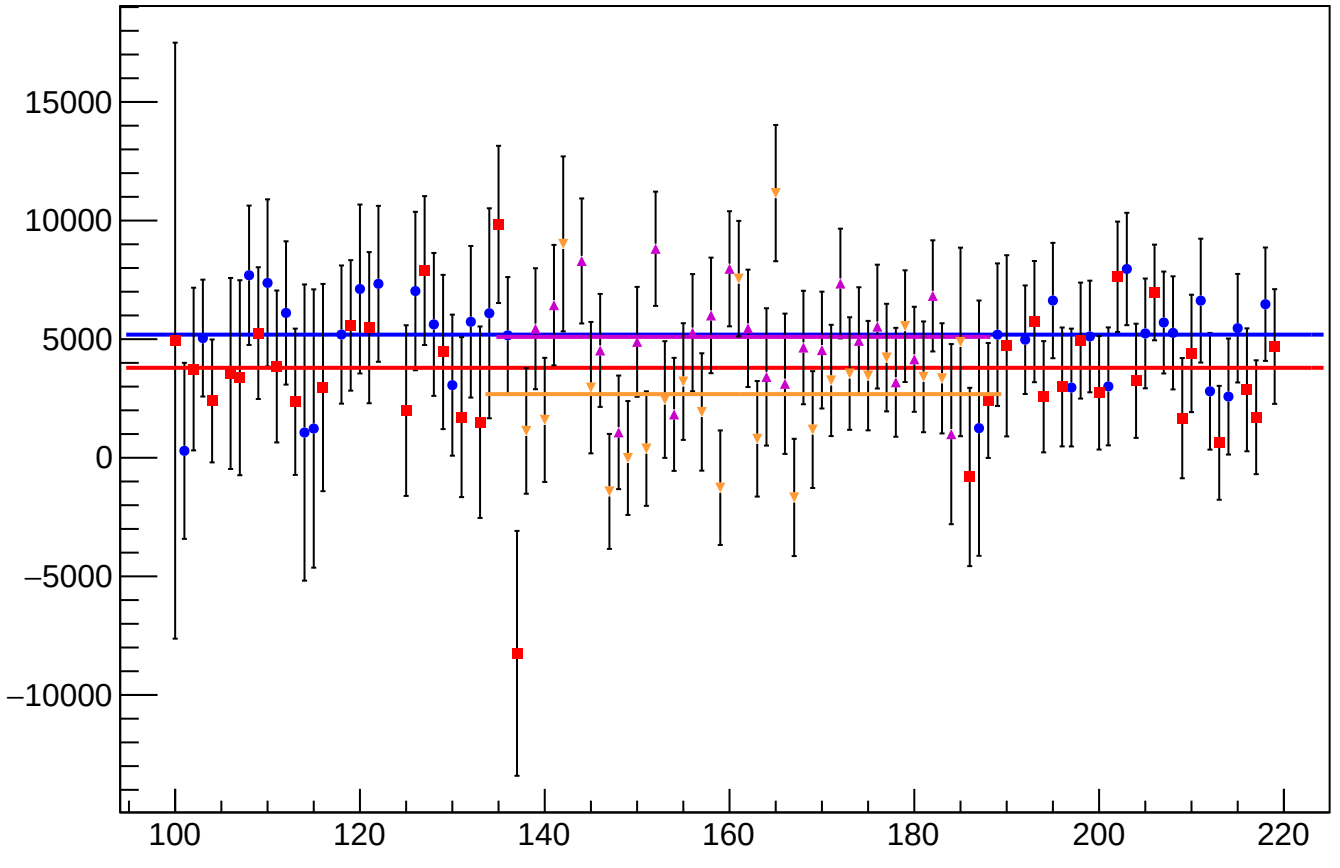
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 18126668.0/66

In: 0.000+/-0.000 χ^2/NDF:17315855.0/54

Out: 0.000+/-0.000 χ^2/NDF:18013483.9/58

All: 0.000+/-0.000 χ^2/NDF: 35333616.4/113



Right In: 5191.050+/-492.241 χ^2/NDF: 12.0/31

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: 3792.550+/-484.334 χ^2/NDF: 25.0/34

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

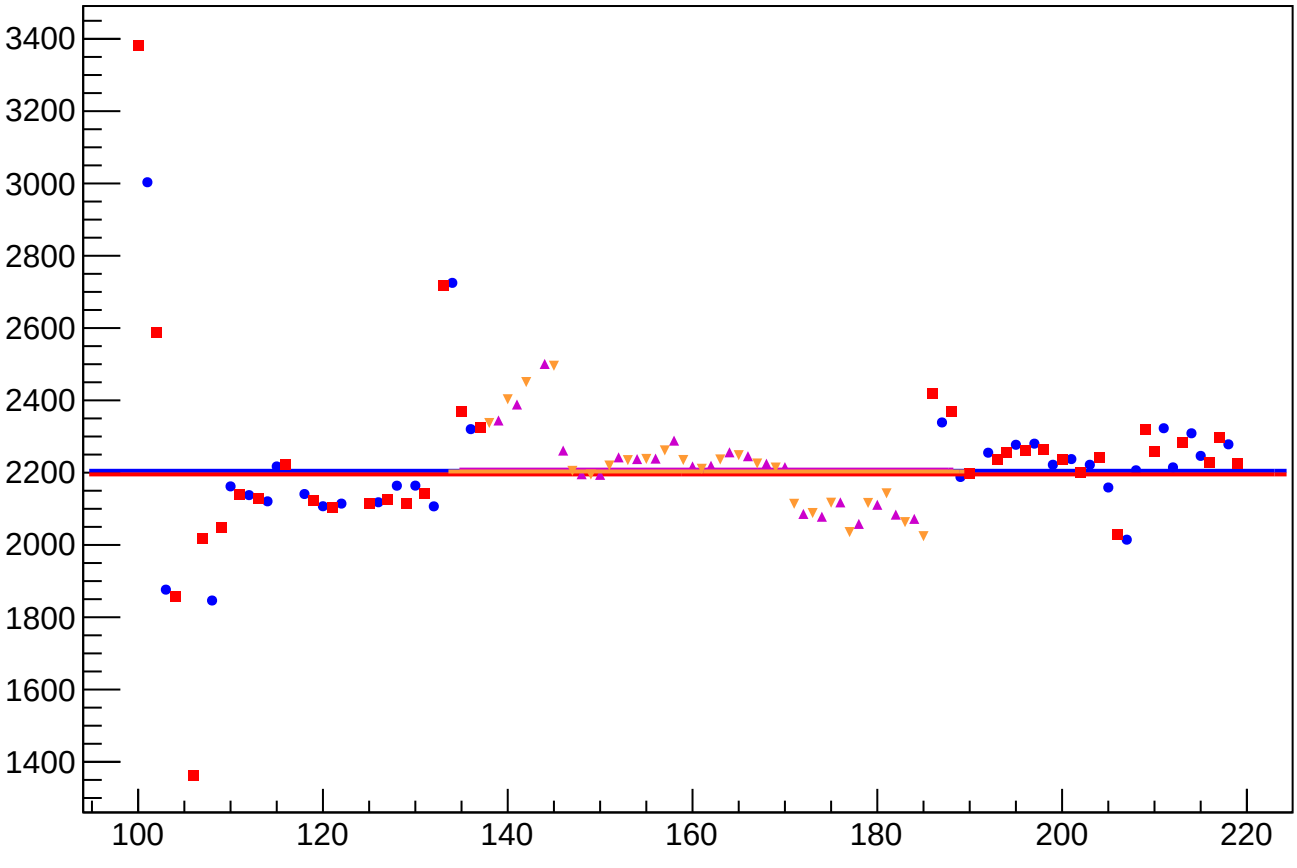
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4480.478+/-345.237 χ^2/NDF: 41.2/66

In: 5145.988+/-356.246 χ^2/NDF:27.0/54

Out: 3268.521+/-351.857 χ^2/NDF:58.3/58

All: 4195.616+/-250.338 χ^2/NDF: 99.4/113



Right In: 2205.115+/-0.348 χ^2/NDF: 232810.8/31

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2195.157+/-0.340 χ^2/NDF: 340644.2/34

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

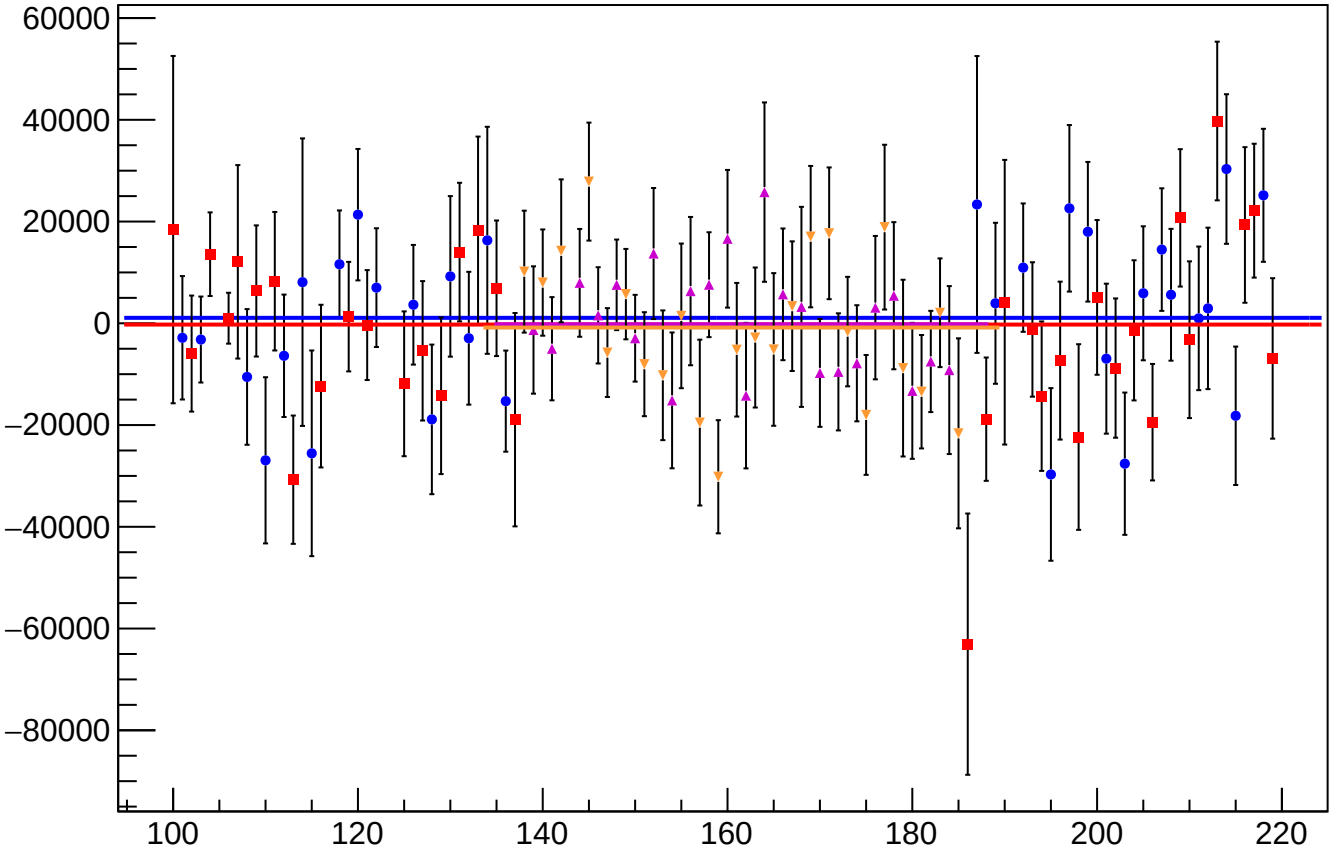
Right: 2200.026+/-0.243 χ^2/NDF: 573873.3/66

In: 2206.669+/-0.252 χ^2/NDF:313847.0/54

Out: 2198.977+/-0.248 χ^2/NDF:429120.8/58

All: 2202.764+/-0.177 χ^2/NDF: 743441.2/113

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 1076.089+/-2396.713 χ^2/NDF: 38.5/31

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -248.505+/-2165.905 χ^2/NDF: 43.8/34

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

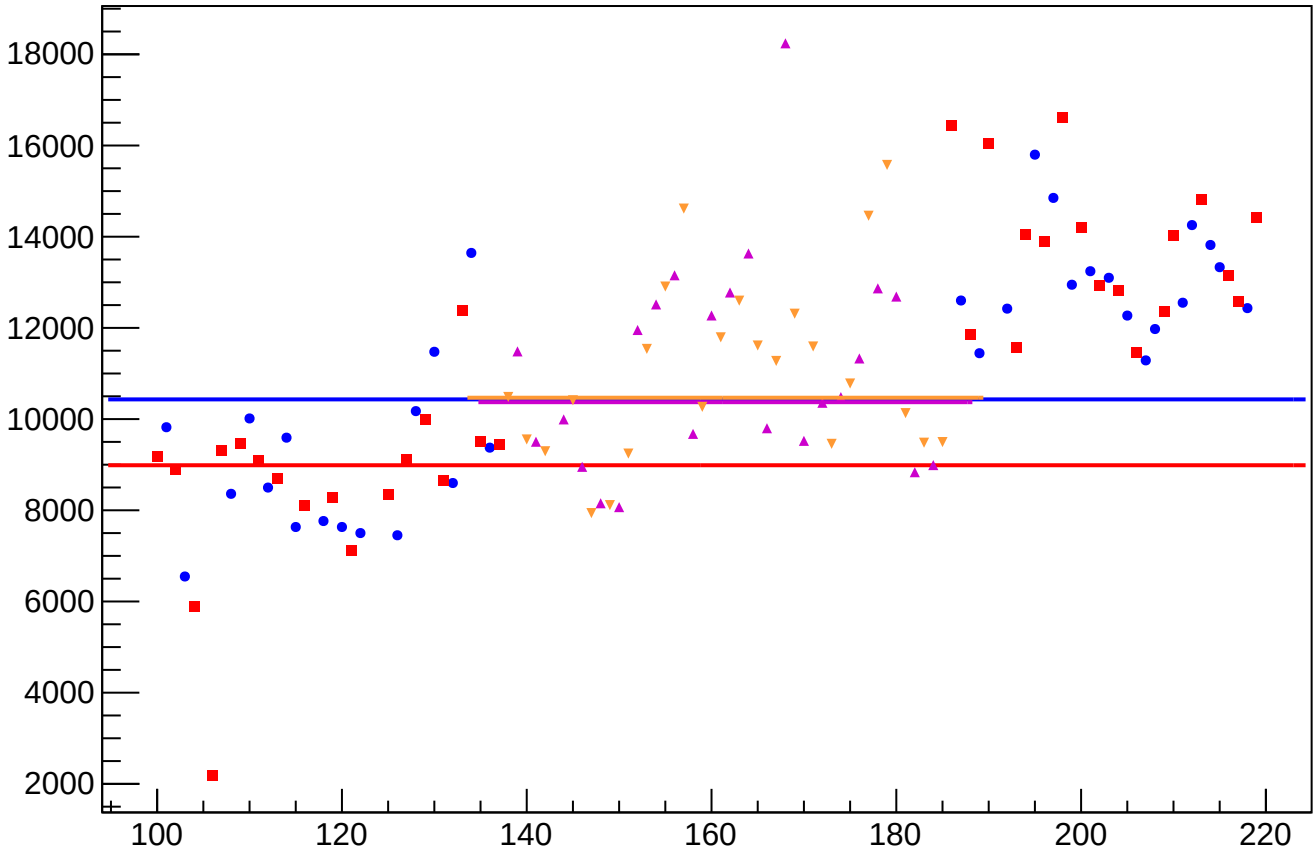
Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

Right: 346.956+/-1606.946 χ^2/NDF: 82.5/66

In: 466.090+/-1720.471 χ^2/NDF:52.4/54

Out: -501.456+/-1631.762 χ^2/NDF:73.3/58

All: -43.269+/-1183.949 χ^2/NDF: 125.9/113



Right In: 10432.084+/-1.695 χ^2/NDF: 2267633.2/31

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8987.895+/-1.532 χ^2/NDF: 7227601.6/34

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

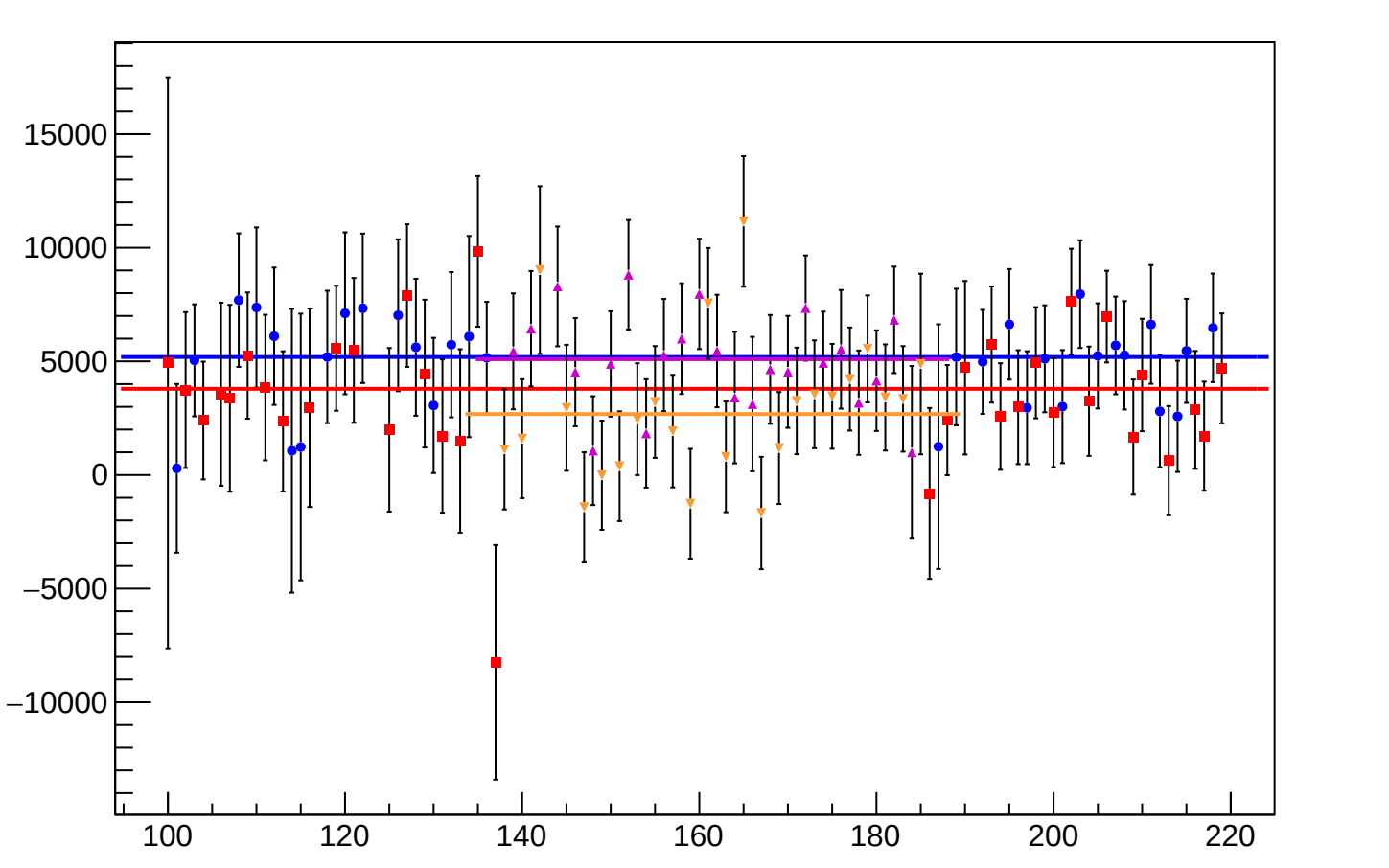
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 9637.119+/-1.136 χ^2/NDF: 9894967.7/66

In: 10402.426+/-1.217 χ^2/NDF:3472023.1/54

Out: 9628.200+/-1.154 χ^2/NDF:8677089.4/58

All: 9994.839+/-0.837 χ^2/NDF: 12362330.2/1



Right In: 5191.082+/-492.241 χ^2/NDF: 12.0/31

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3792.508+/-484.334 χ^2/NDF: 25.0/34

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

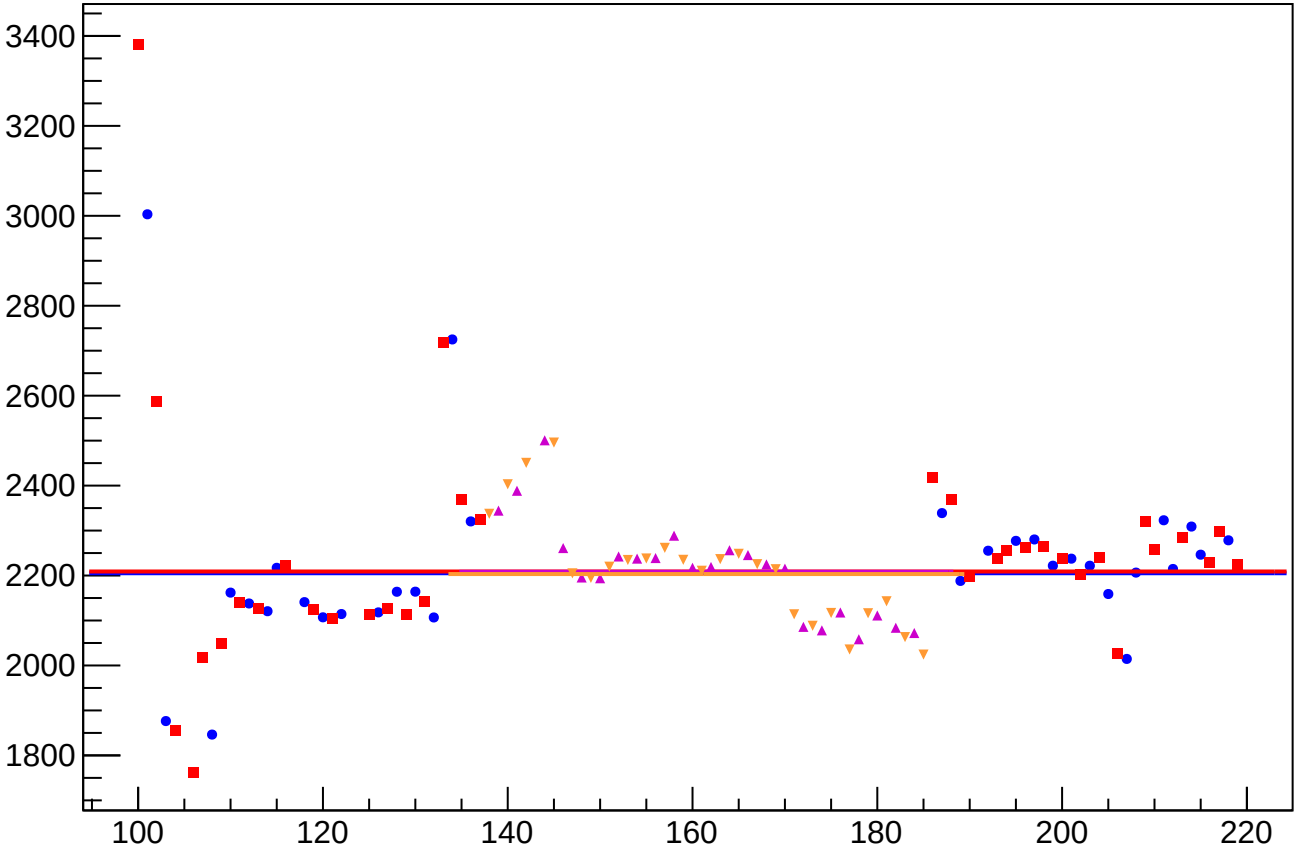
Right: 4480.473+/-345.237 χ^2/NDF: 41.2/66

In: 5145.961+/-356.246 χ^2/NDF:27.0/54

Out: 3268.462+/-351.857 χ^2/NDF:58.3/58

All: 4195.573+/-250.338 χ^2/NDF: 99.4/113

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2205.115+/-0.348 χ^2/NDF: 232811.2/31

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2209.013+/-0.342 χ^2/NDF: 213845.3/34

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

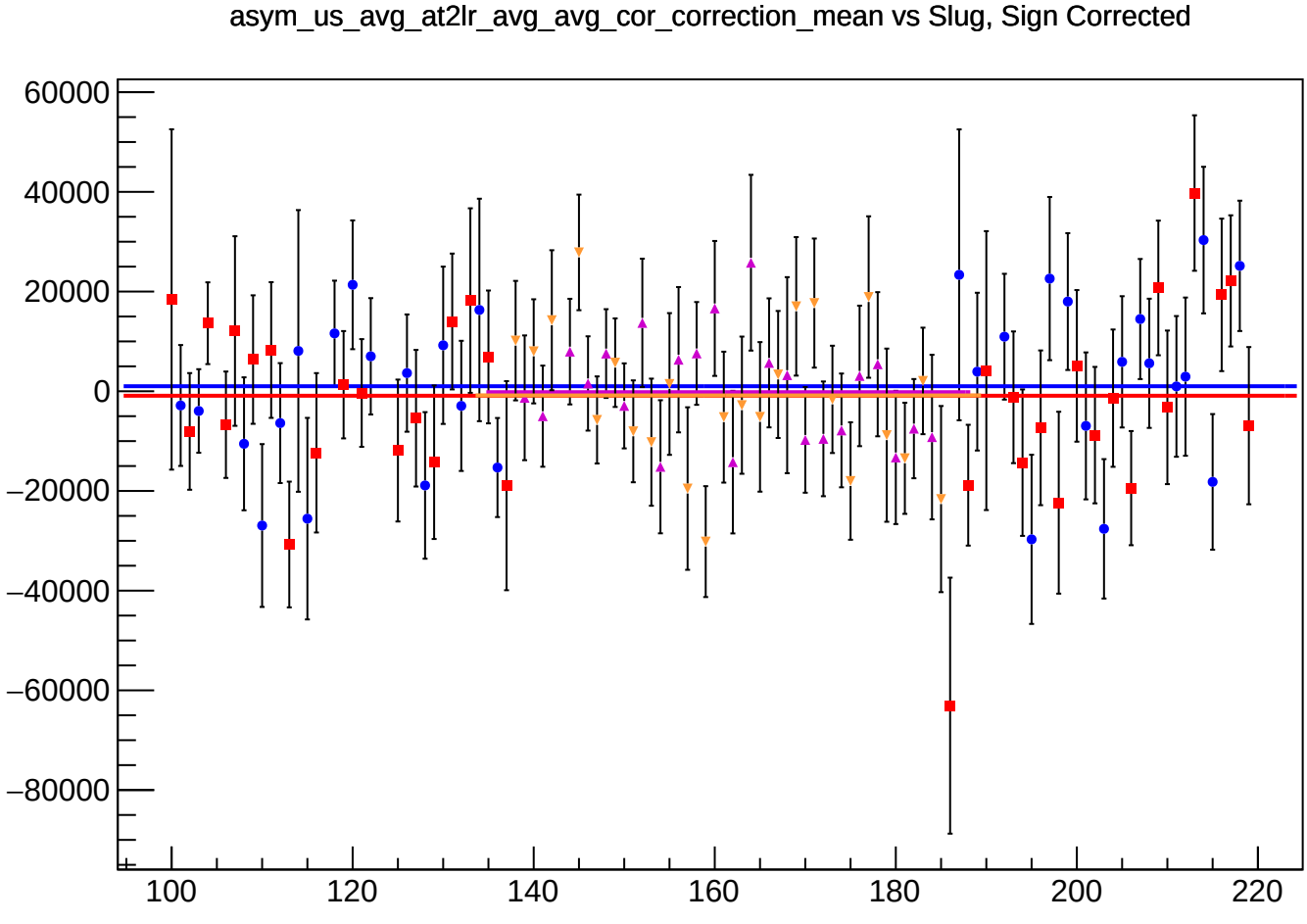
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2207.099+/-0.244 χ^2/NDF: 446720.3/66

In: 2206.669+/-0.252 χ^2/NDF:313847.4/54

Out: 2206.318+/-0.249 χ^2/NDF:302185.4/58

All: 2206.492+/-0.177 χ^2/NDF: 616033.7/113



Right In: 1008.472+/-2395.229 χ^2/NDF: 38.6/31

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -898.211+/-2346.455 χ^2/NDF: 44.3/34

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

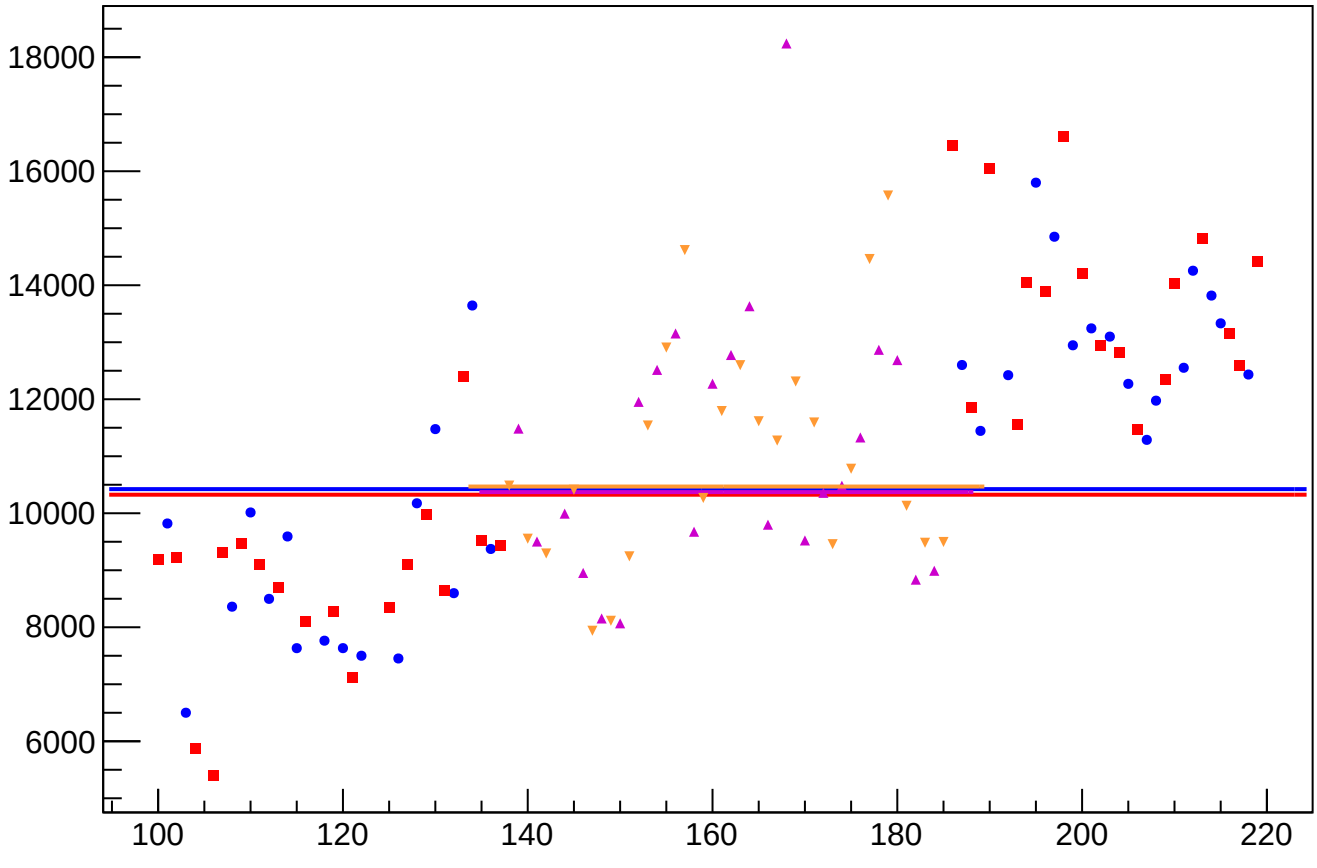
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

Right: 35.520+/-1676.172 χ^2/NDF: 83.2/66

In: 431.647+/-1719.921 χ^2/NDF:52.5/54

Out: -867.644+/-1704.927 χ^2/NDF:73.7/58

All: -223.687+/-1210.832 χ^2/NDF: 126.5/113



Right In: 10423.398+/-1.694 χ^2/NDF: 2284619.1/31

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 10325.502+/-1.659 χ^2/NDF: 3100705.5/34

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

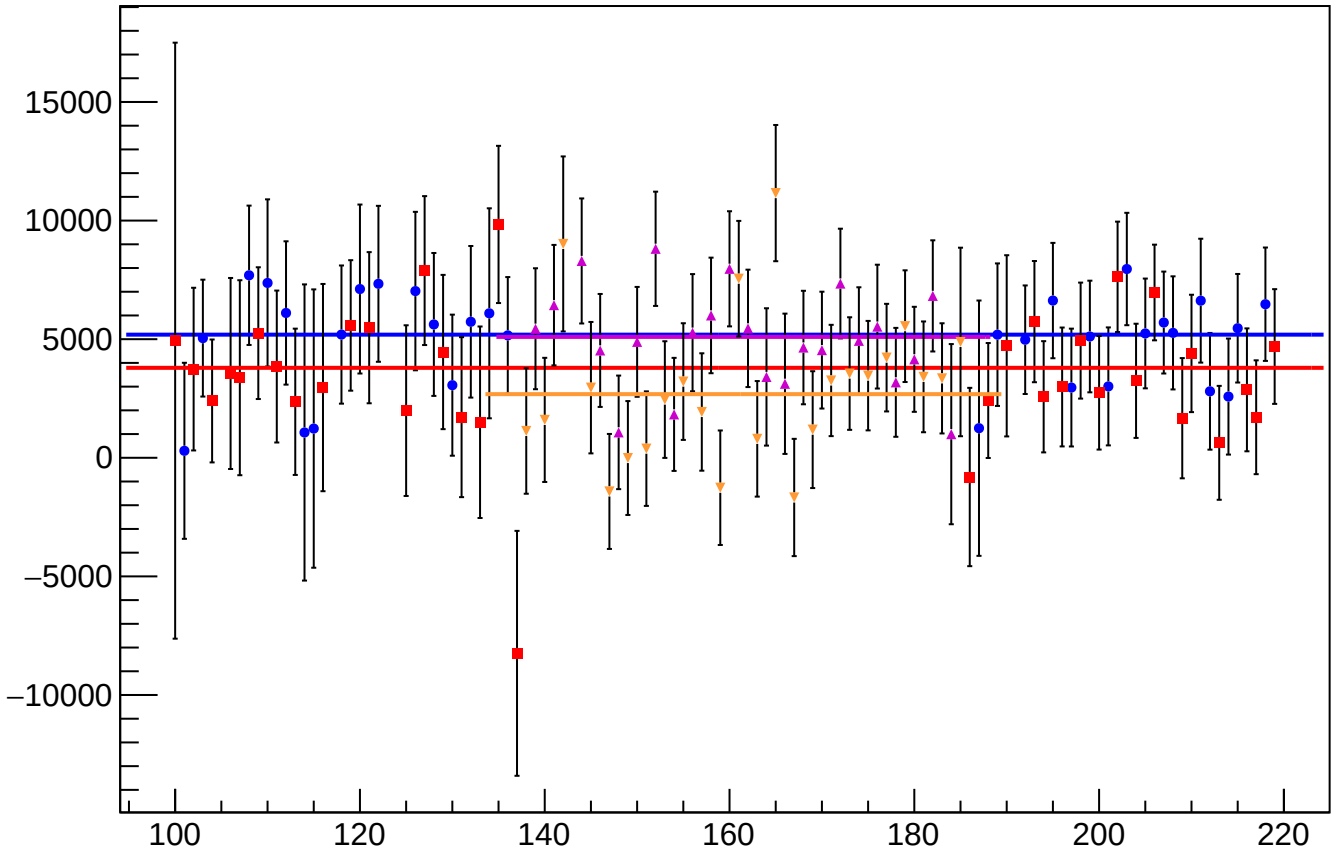
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 10373.443+/-1.185 χ^2/NDF: 5387029.5/66

In: 10397.962+/-1.216 χ^2/NDF:3488848.6/54

Out: 10393.088+/-1.206 χ^2/NDF:4149479.1/58

All: 10395.504+/-0.856 χ^2/NDF: 7638335.8/1



Right In: 5191.082+/-492.241 χ^2/NDF: 12.0/31

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3792.508+/-484.334 χ^2/NDF: 25.0/34

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

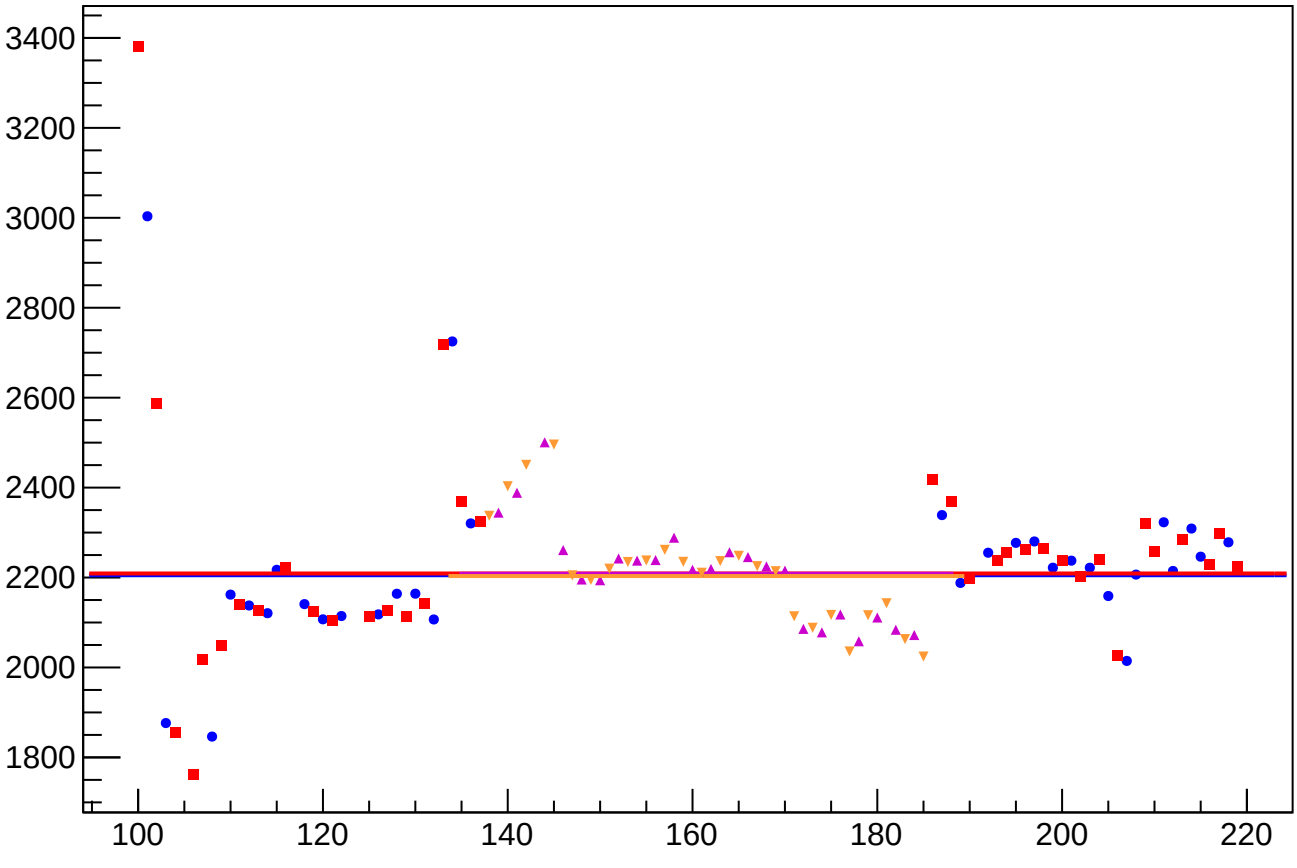
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4480.473+/-345.237 χ^2/NDF: 41.2/66

In: 5145.961+/-356.246 χ^2/NDF:27.0/54

Out: 3268.462+/-351.857 χ^2/NDF:58.3/58

All: 4195.573+/-250.338 χ^2/NDF: 99.4/113



Right In: 2205.115+/-0.348 χ^2/NDF: 232811.2/31

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2209.013+/-0.342 χ^2/NDF: 213845.3/34

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

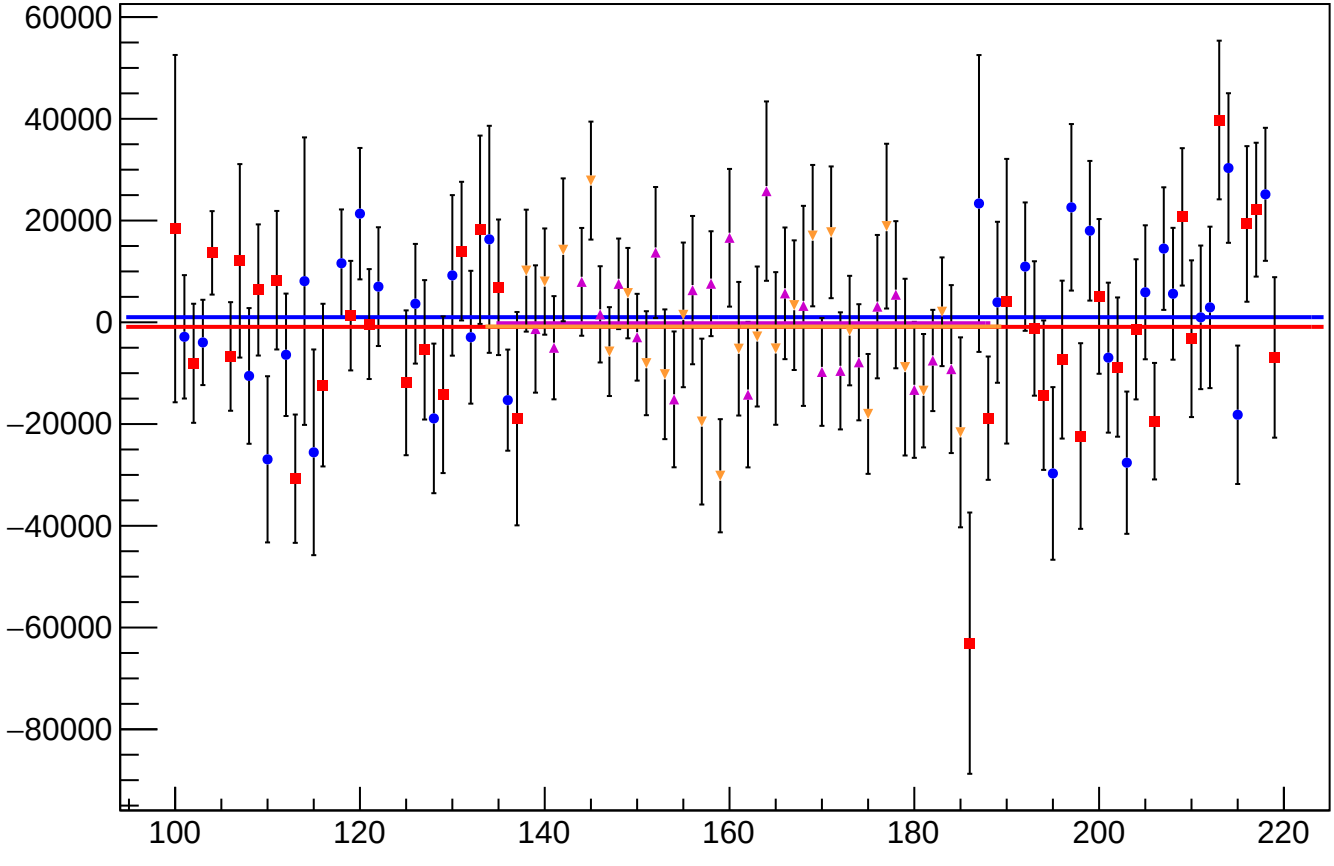
Right: 2207.099+/-0.244 χ^2/NDF: 446720.3/66

In: 2206.669+/-0.252 χ^2/NDF:313847.4/54

Out: 2206.318+/-0.249 χ^2/NDF:302185.4/58

All: 2206.492+/-0.177 χ^2/NDF: 616033.7/113

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1008.472+/-2395.229 χ^2/NDF: 38.6/31

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -898.211+/-2346.455 χ^2/NDF: 44.3/34

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

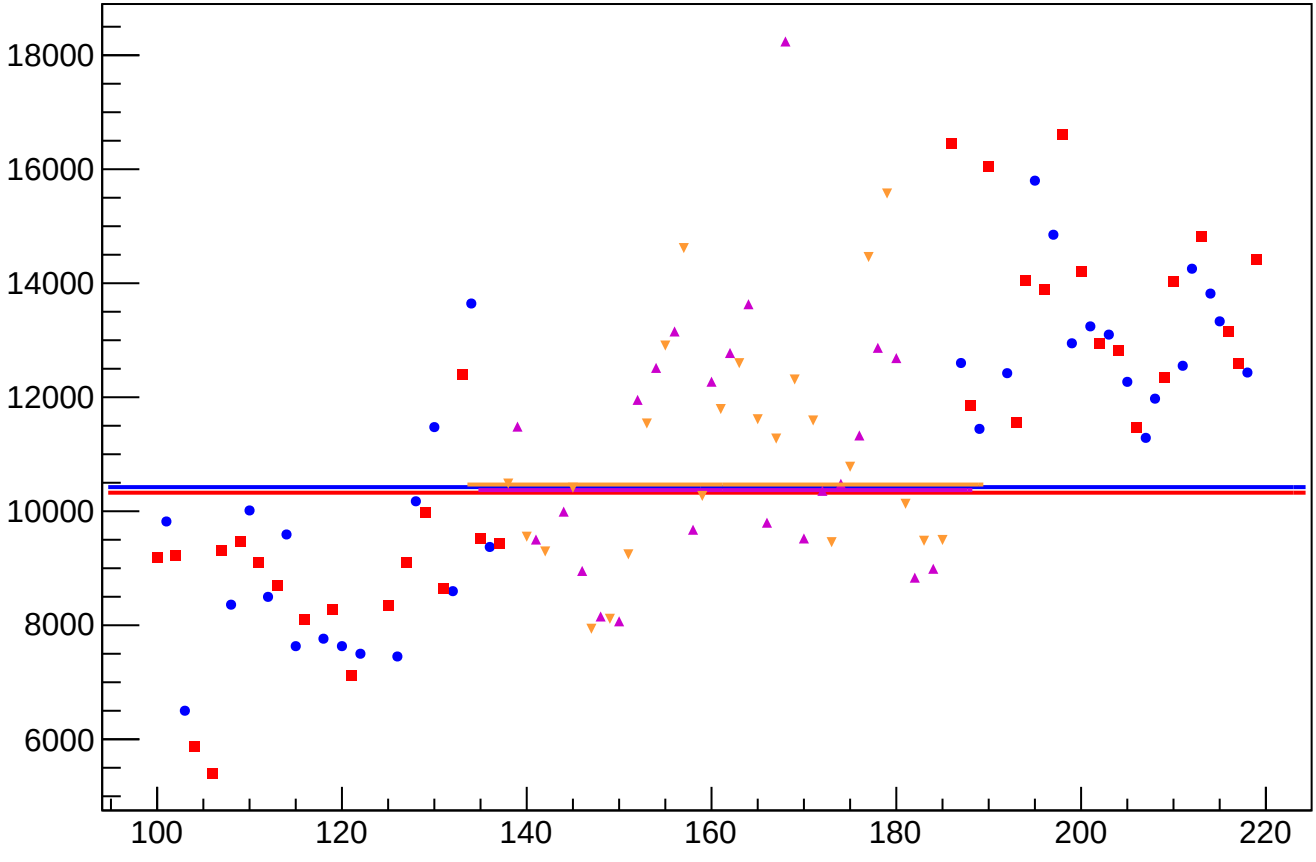
Right: 35.520+/-1676.172 χ^2/NDF: 83.2/66

In: 431.647+/-1719.921 χ^2/NDF:52.5/54

Out: -867.644+/-1704.927 χ^2/NDF:73.7/58

All: -223.687+/-1210.832 χ^2/NDF: 126.5/113

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 10423.398+/-1.694 χ^2/NDF: 2284619.1/31

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 10325.502+/-1.659 χ^2/NDF: 3100705.5/34

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

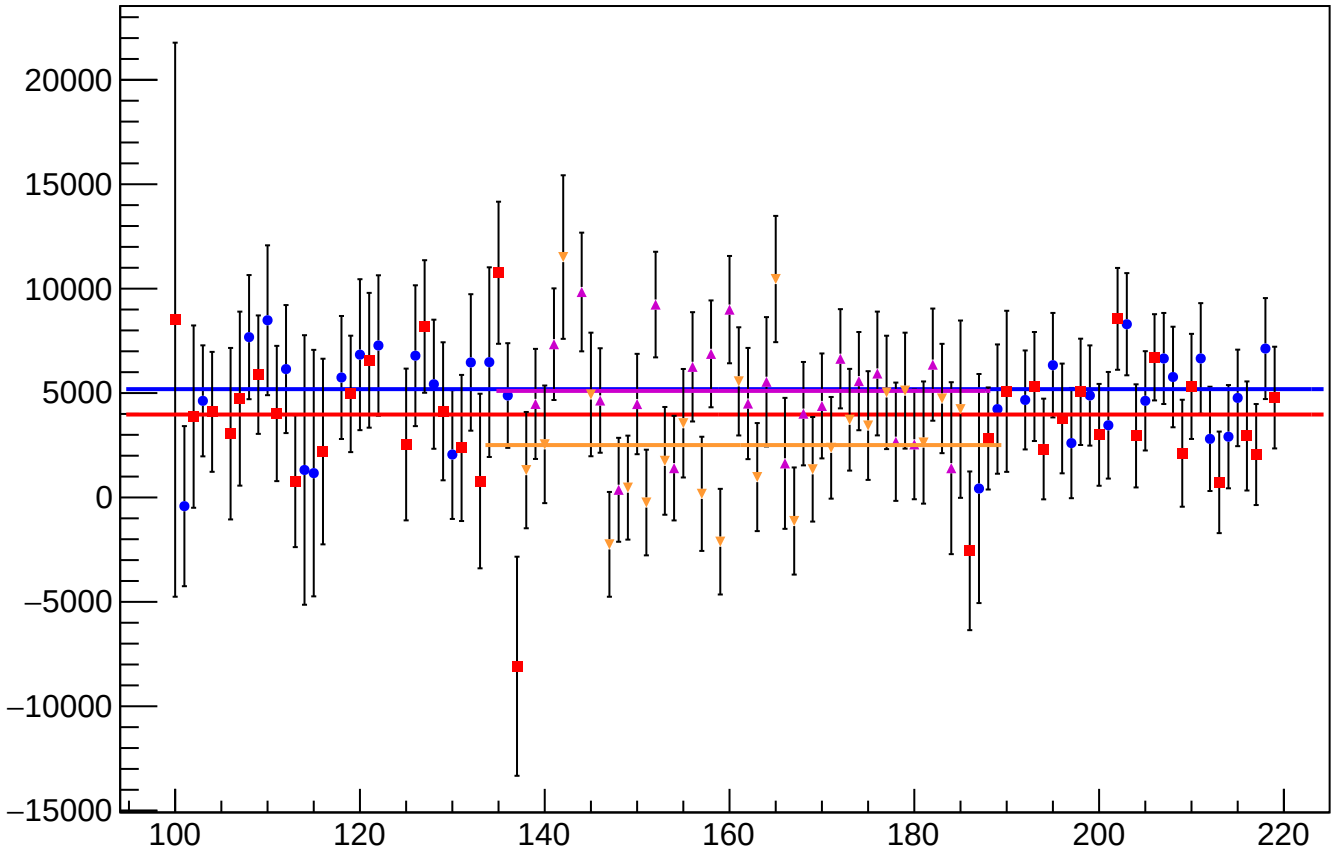
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 10373.443+/-1.185 χ^2/NDF: 5387029.5/66

In: 10397.962+/-1.216 χ^2/NDF:3488848.6/54

Out: 10393.088+/-1.206 χ^2/NDF:4149479.1/58

All: 10395.504+/-0.856 χ^2/NDF: 7638335.8/1



Right In: 5187.558+/-504.042 χ^2/NDF: 14.3/31

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 3971.883+/-497.416 χ^2/NDF: 27.9/34

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

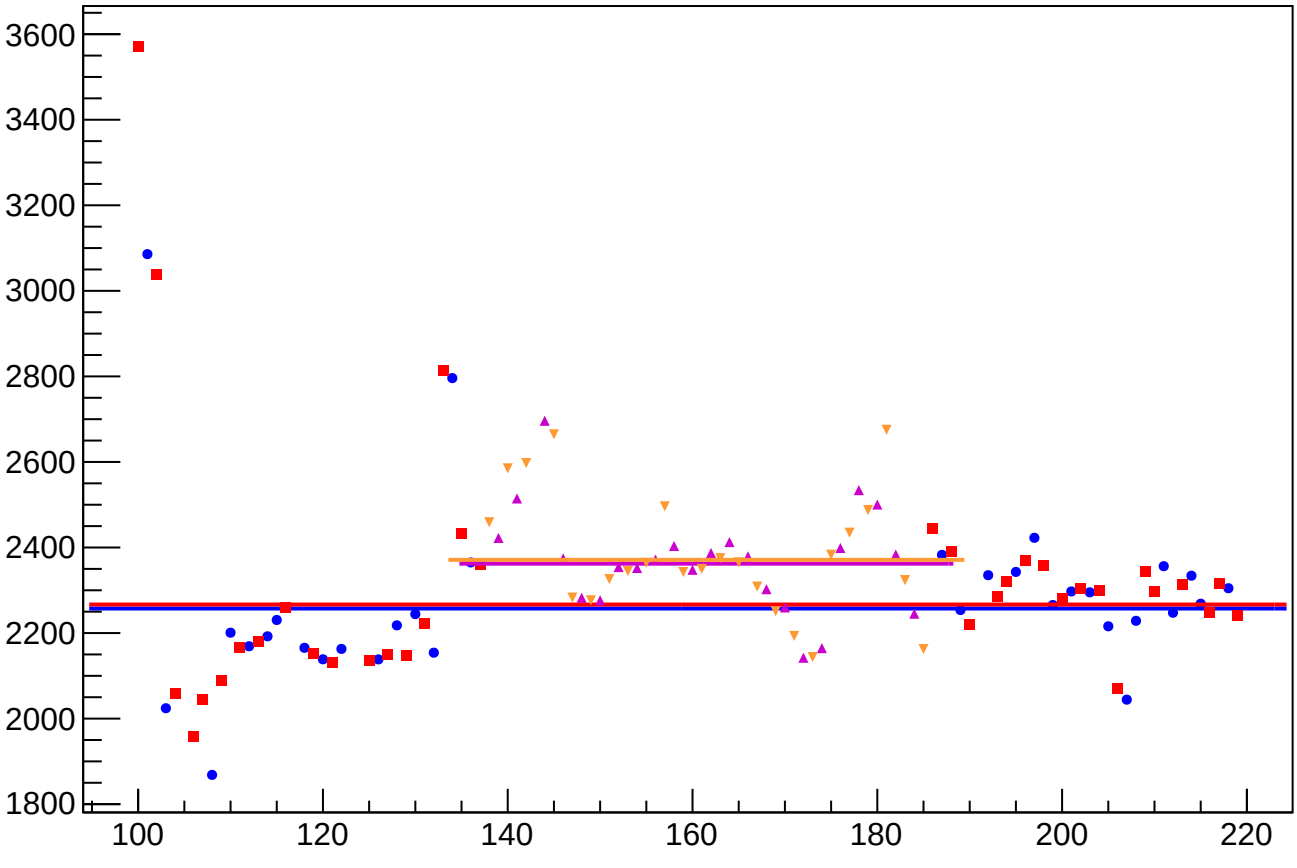
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4571.678+/-354.045 χ^2/NDF: 45.1/66

In: 5149.152+/-372.392 χ^2/NDF:34.2/54

Out: 3315.792+/-369.401 χ^2/NDF:61.5/58

All: 4225.081+/-262.257 χ^2/NDF: 107.9/113



Right In: 2257.360+/-0.356 χ^2/NDF: 227698.1/31

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2266.702+/-0.352 χ^2/NDF: 215424.4/34

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

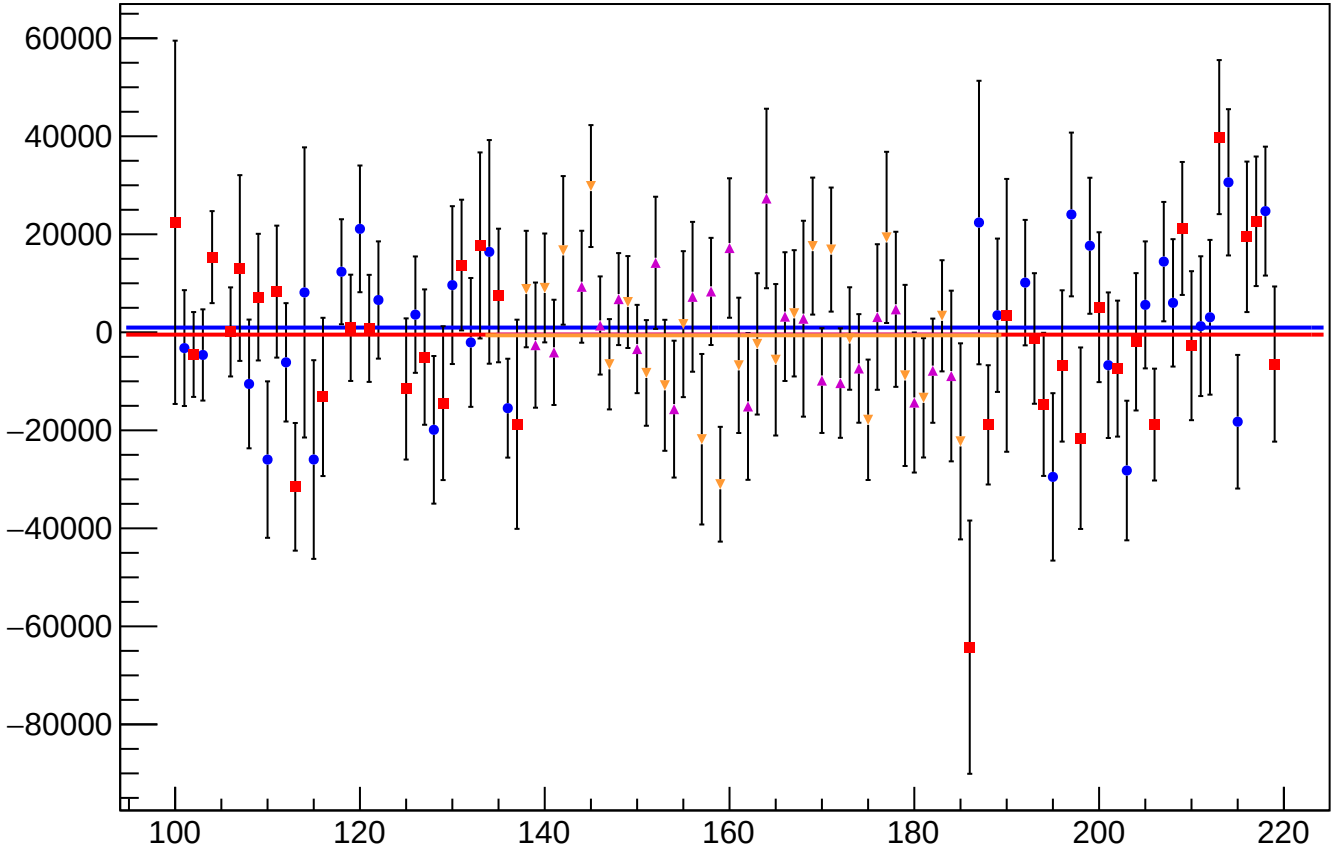
Right: 2262.094+/-0.250 χ^2/NDF: 443470.7/66

In: 2304.982+/-0.263 χ^2/NDF:358905.1/54

Out: 2313.528+/-0.261 χ^2/NDF:371268.0/58

All: 2309.290+/-0.185 χ^2/NDF: 730704.0/113

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 967.376+/-2427.726 χ^2/NDF: 38.3/31

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

Right Out: -474.121+/-2321.630 χ^2/NDF: 43.5/34

Left In: -490.044+/-2577.213 χ^2/NDF:13.5/22

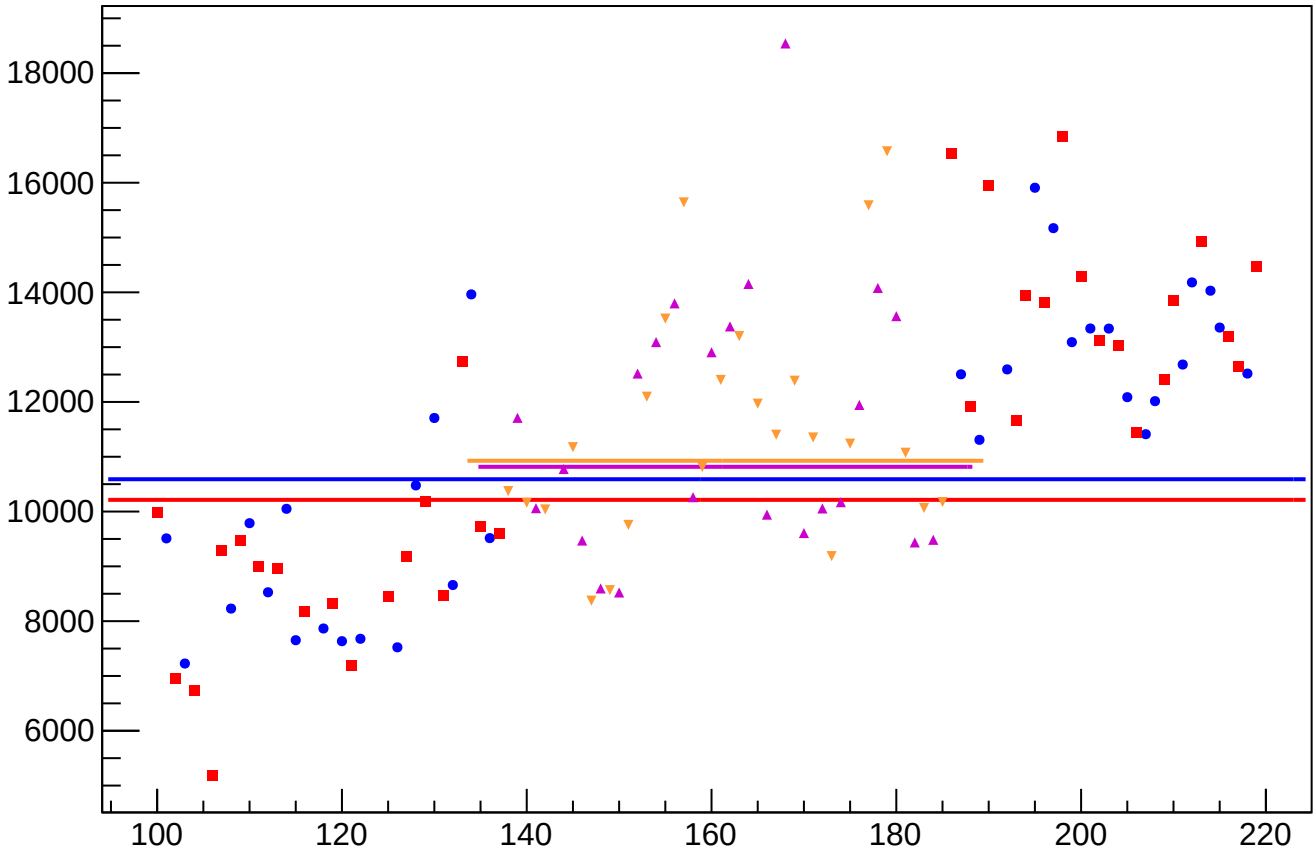
Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

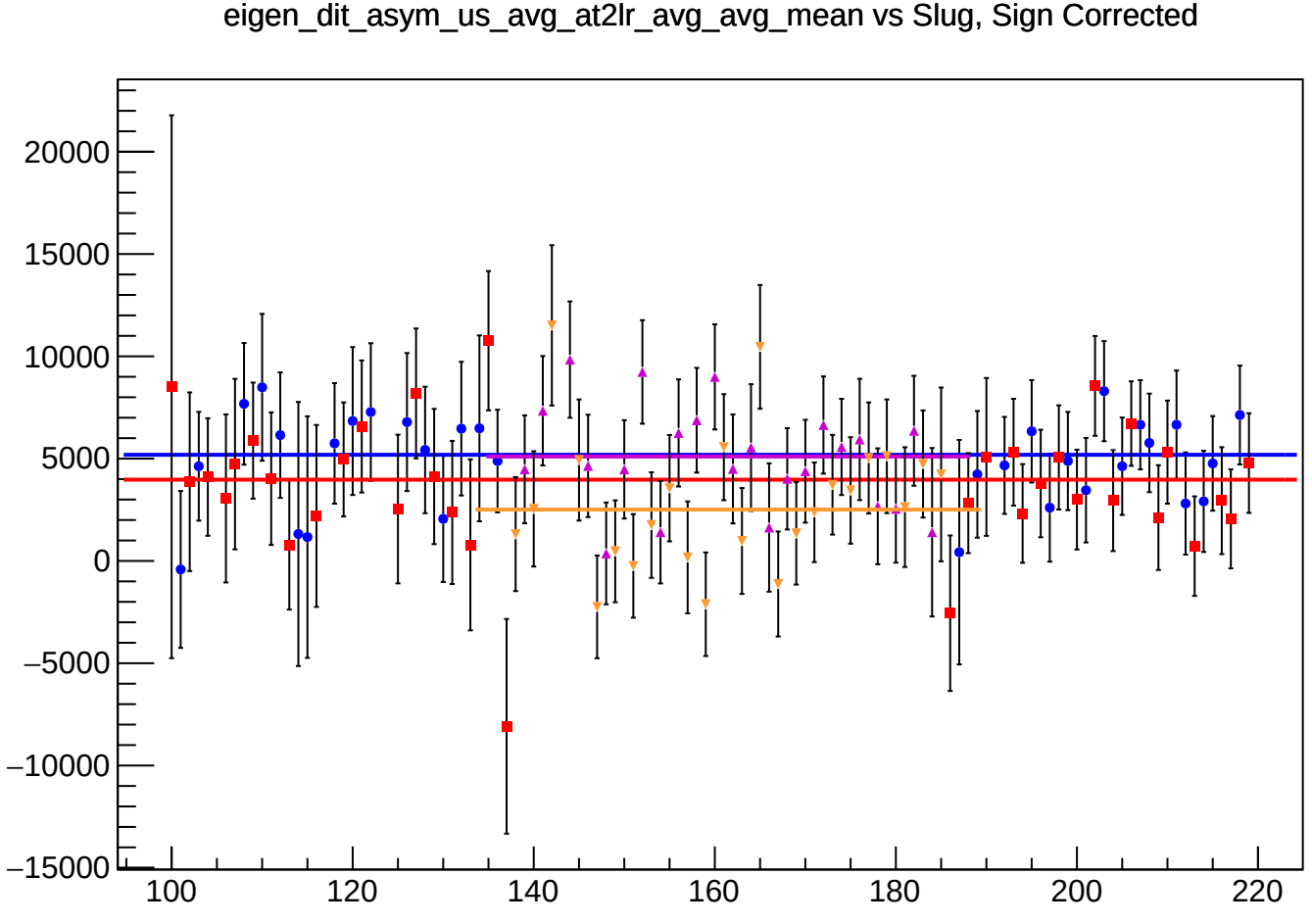
Right: 214.442+/-1677.894 χ^2/NDF: 82.0/66

In: 282.158+/-1767.146 χ^2/NDF:52.0/54

Out: -533.895+/-1728.736 χ^2/NDF:72.4/58

All: -134.834+/-1235.757 χ^2/NDF: 124.5/113


asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
220
Right In: 10589.598+/-1.717 χ²/NDF: 2105687.4/31
Left Out: 10926.860+/-1.831 χ²/NDF:1057331.1/23
Right Out: 10213.473+/-1.642 χ²/NDF: 3308893.0/34
Left In: 10816.320+/-1.822 χ²/NDF:1196820.9/22
Left: 10871.318+/-1.292 χ²/NDF: 2255982.7/46
Right: 10393.137+/-1.186 χ²/NDF: 5439655.3/66
In: 10696.193+/-1.250 χ²/NDF:3310709.3/54
Out: 10531.314+/-1.222 χ²/NDF:4450359.7/58
All: 10611.942+/-0.874 χ²/NDF: 7769965.6/



Right In: 5187.552+/-504.042 χ^2/NDF: 14.3/31

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: 3971.882+/-497.416 χ^2/NDF: 27.9/34

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

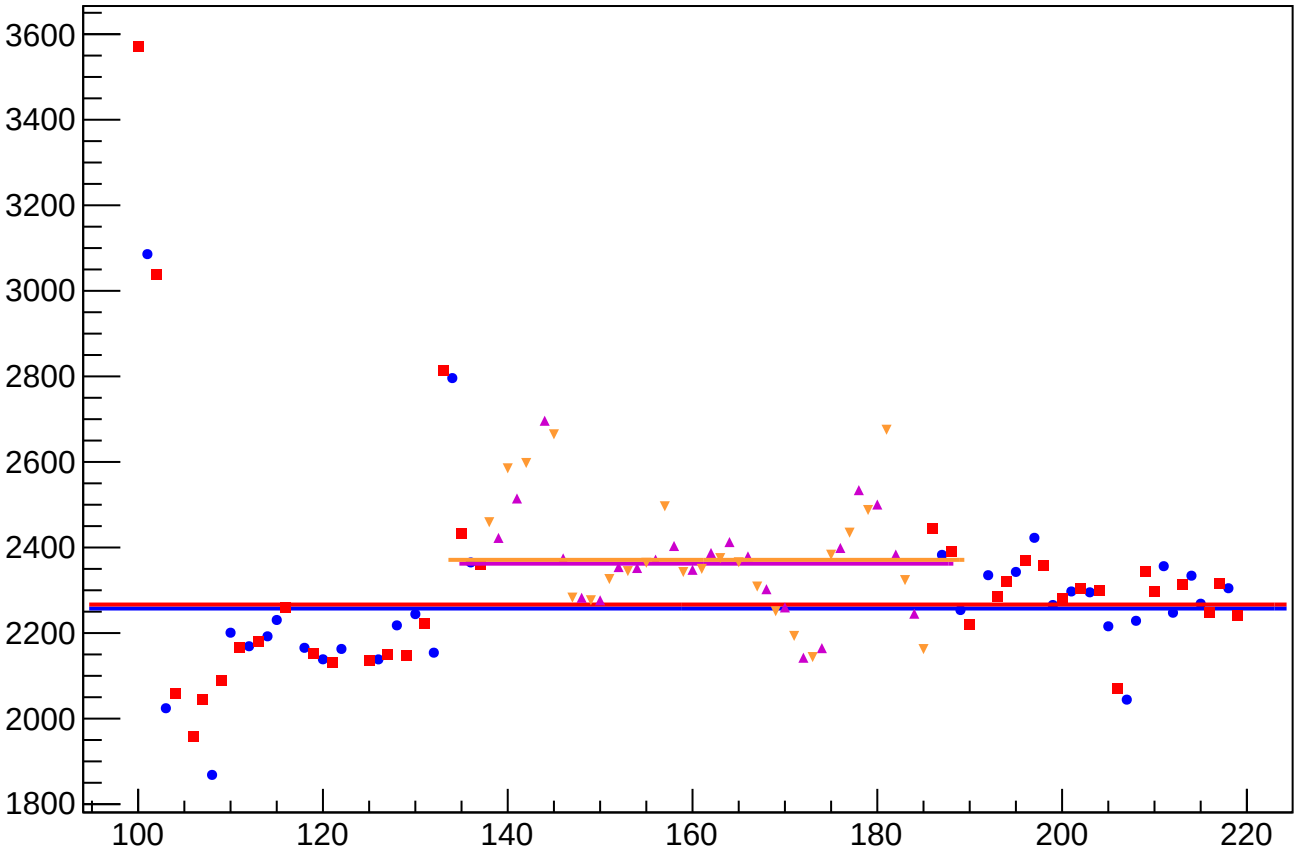
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4571.675+/-354.045 χ^2/NDF: 45.1/66

In: 5149.151+/-372.392 χ^2/NDF:34.2/54

Out: 3315.787+/-369.402 χ^2/NDF:61.5/58

All: 4225.078+/-262.257 χ^2/NDF: 107.9/113



Right In: 2257.360+/-0.356 χ^2/NDF: 227698.5/31

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2266.701+/-0.352 χ^2/NDF: 215424.9/34

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

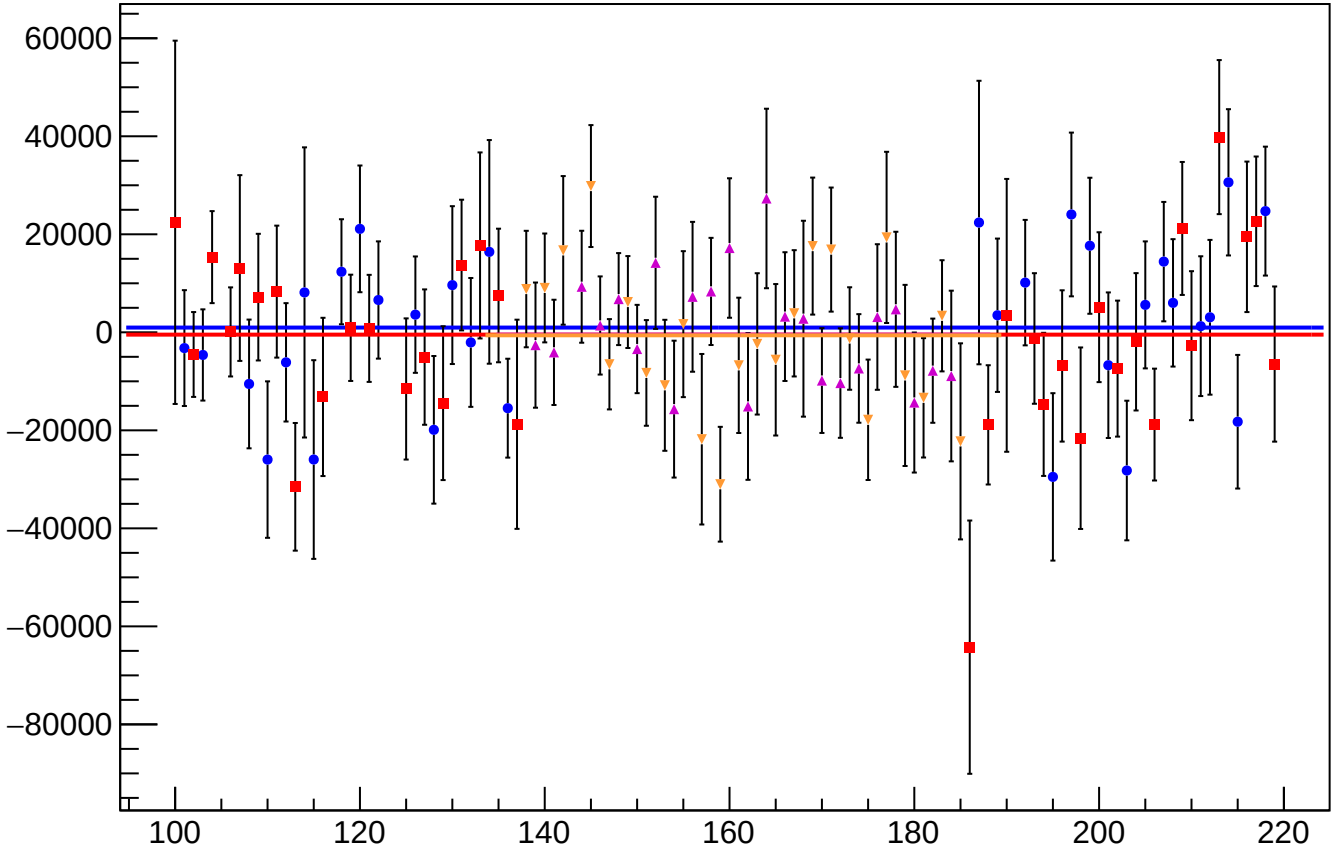
Right: 2262.094+/-0.250 χ^2/NDF: 443471.5/66

In: 2304.983+/-0.263 χ^2/NDF:358912.5/54

Out: 2313.529+/-0.261 χ^2/NDF:371275.3/58

All: 2309.291+/-0.185 χ^2/NDF: 730718.8/113

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 967.380+/-2427.724 χ^2/NDF: 38.3/31

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

Right Out: -474.112+/-2321.628 χ^2/NDF: 43.5/34

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

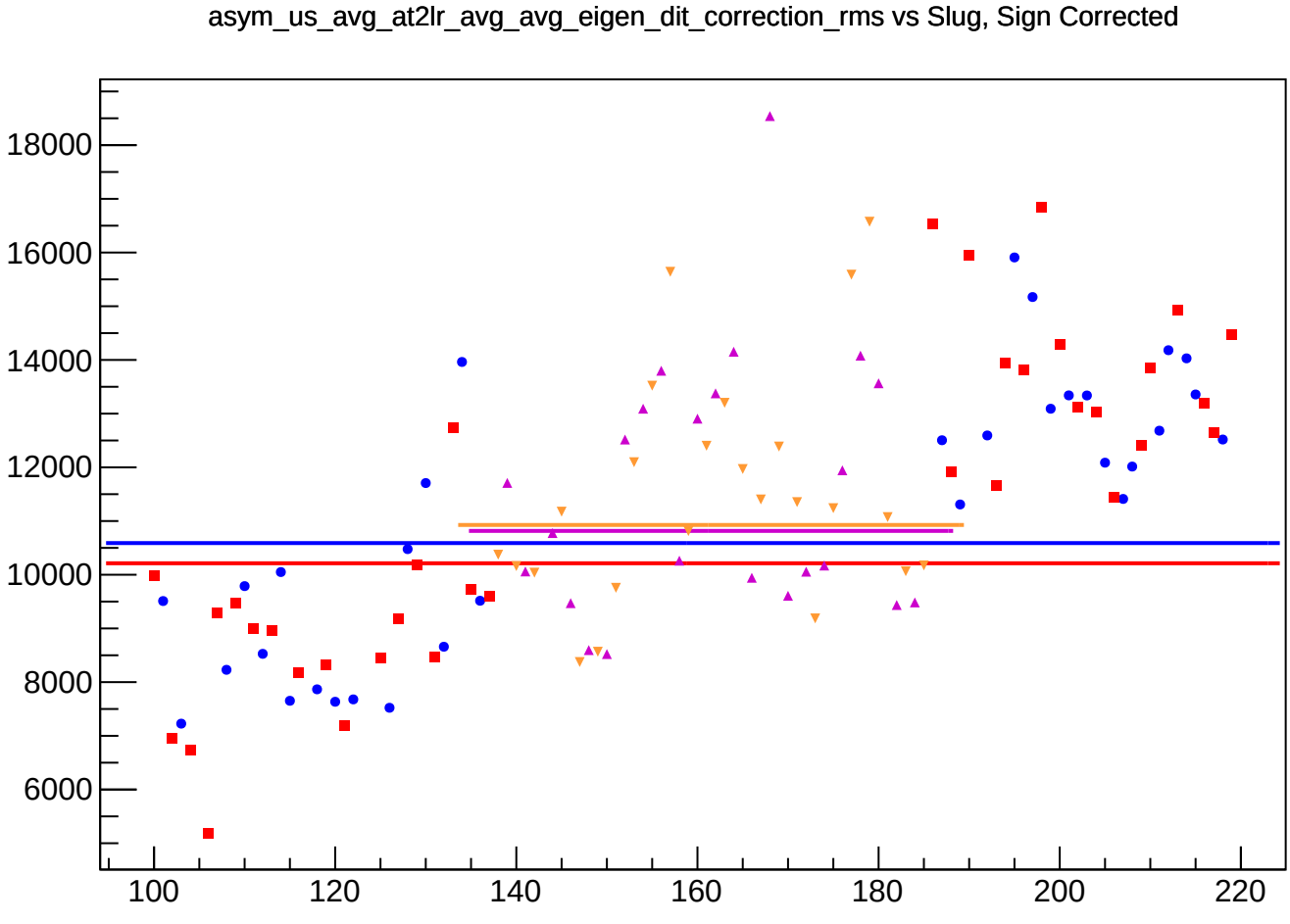
Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

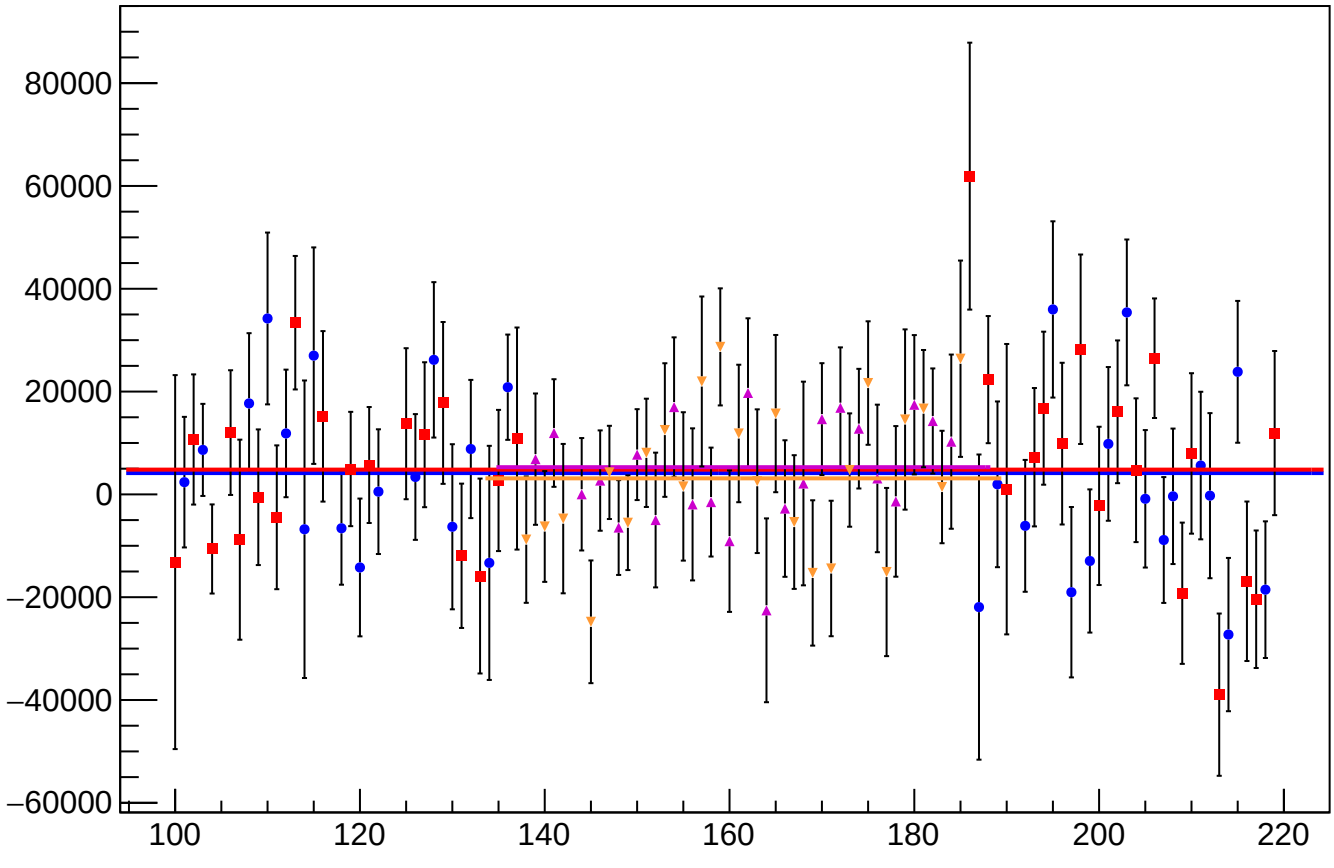
Right: 214.448+/-1677.893 χ^2/NDF: 82.0/66

In: 282.160+/-1767.147 χ^2/NDF:52.0/54

Out: -533.894+/-1728.737 χ^2/NDF:72.4/58

All: -134.832+/-1235.758 χ^2/NDF: 124.5/113


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
220
Right In: 10589.588+/-1.717 χ²/NDF: 2105721.6/31
Left Out: 10926.878+/-1.831 χ²/NDF:1057333.6/23
Right Out: 10213.461+/-1.642 χ²/NDF: 3308924.0/34
Left In: 10816.337+/-1.822 χ²/NDF:1196824.5/22
Left: 10871.336+/-1.292 χ²/NDF: 2255988.7/46
Right: 10393.126+/-1.186 χ²/NDF: 5439720.8/66
In: 10696.196+/-1.250 χ²/NDF:3310749.0/54
Out: 10531.315+/-1.222 χ²/NDF:4450400.1/58
All: 10611.944+/-0.874 χ²/NDF: 7770045.9/



Right In: 4143.709+/-2461.795 χ^2/NDF: 39.2/31

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 4817.878+/-2422.519 χ^2/NDF: 44.4/34

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

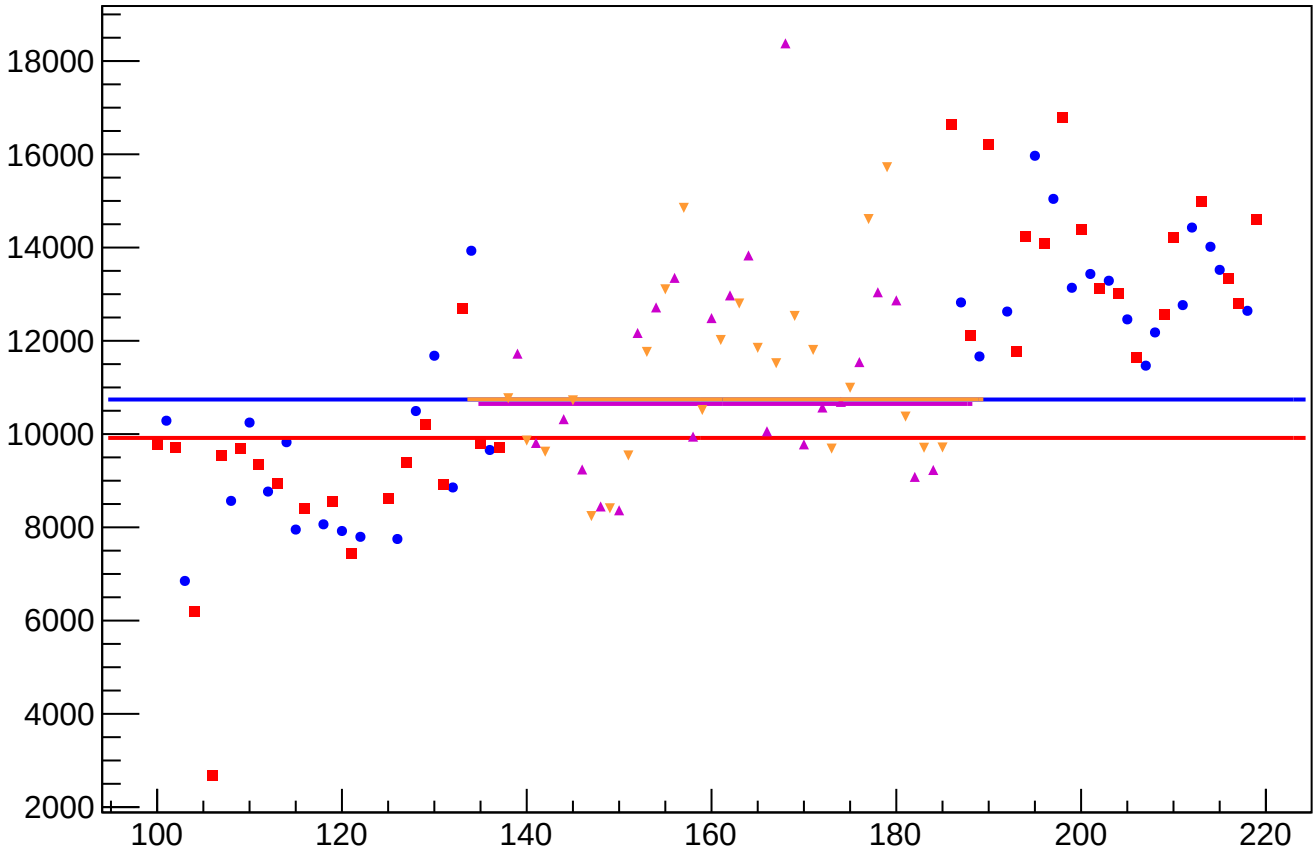
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

Right: 4486.215+/-1726.698 χ^2/NDF: 83.7/66

In: 4700.866+/-1765.387 χ^2/NDF:52.7/54

Out: 4009.664+/-1753.979 χ^2/NDF:72.1/58

All: 4353.025+/-1244.264 χ^2/NDF: 124.9/113



Right In: 10741.201+/-1.741 χ^2/NDF: 2069953.4/31

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

Right Out: 9917.408+/-1.641 χ^2/NDF: 5049657.8/34

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

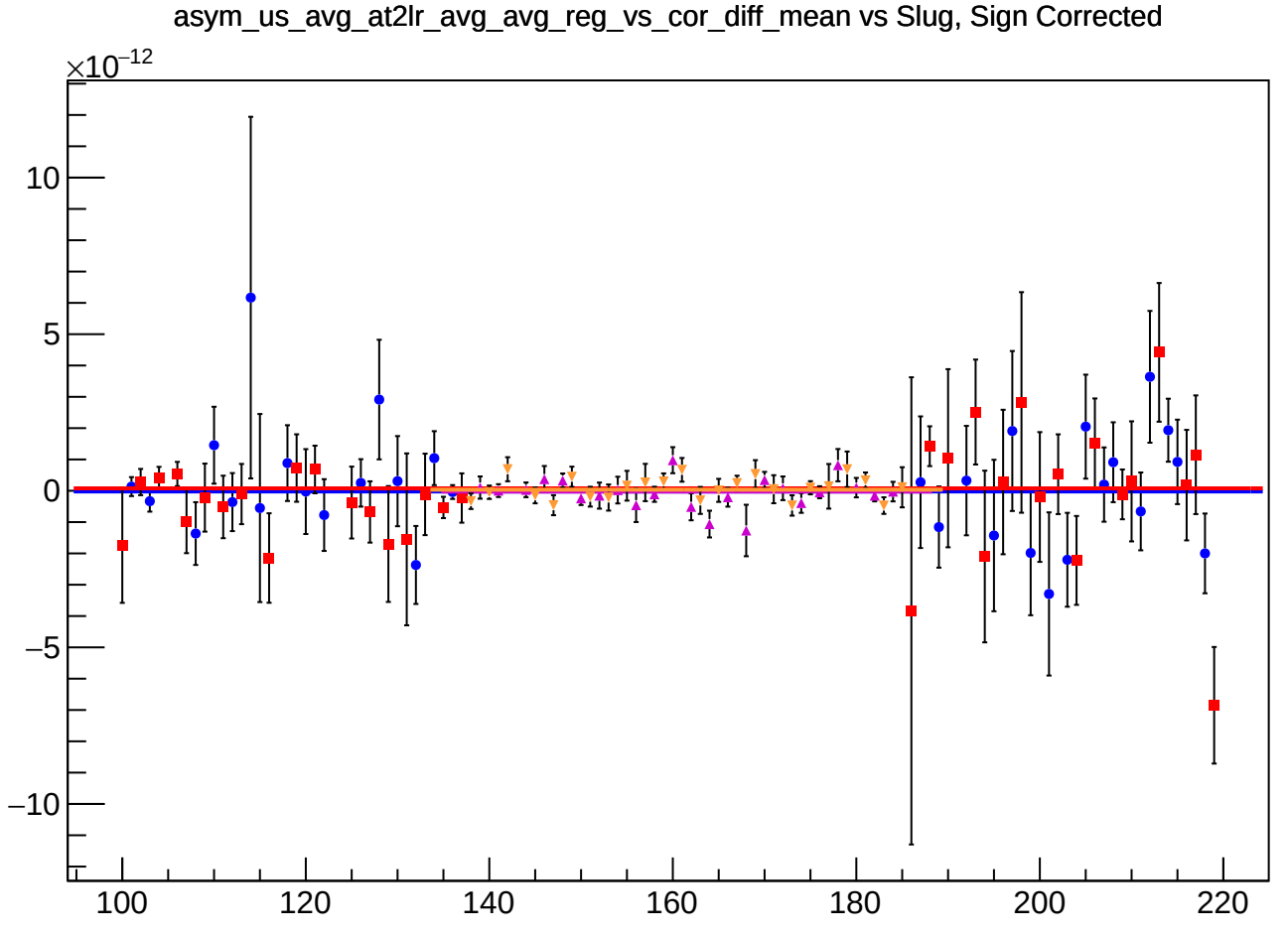
Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

Right: 10305.030+/-1.194 χ^2/NDF: 7238189.8/66

In: 10695.189+/-1.248 χ^2/NDF:3185455.7/54

Out: 10293.636+/-1.212 χ^2/NDF:6129946.2/58

All: 10488.503+/-0.870 χ^2/NDF: 9368662.5/1



Right In: -0.000+/-0.000 χ^2/NDF: 32.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 44.0/34

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

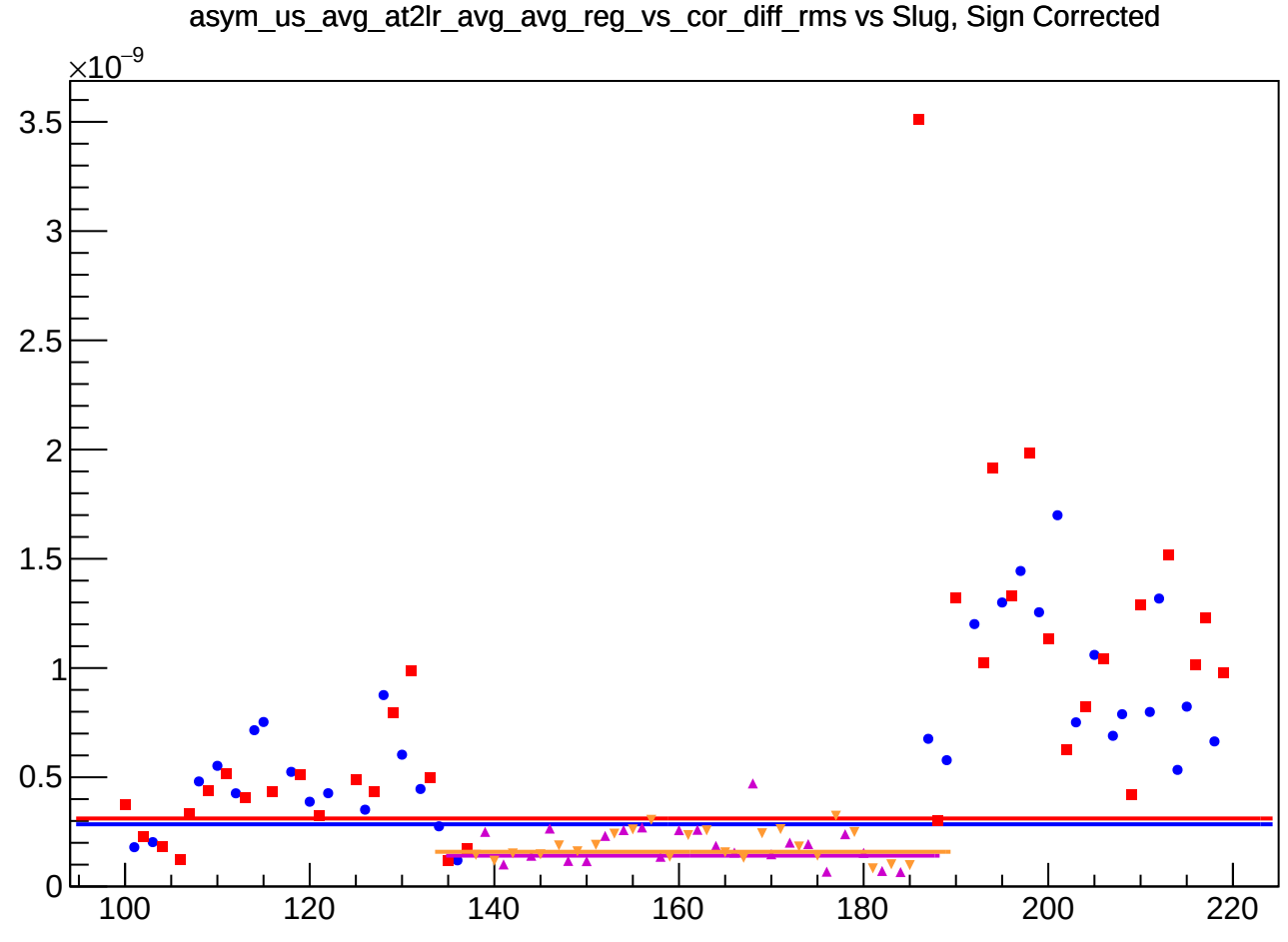
Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

Right: 0.000+/-0.000 χ^2/NDF: 77.1/66

In: -0.000+/-0.000 χ^2/NDF:60.7/54

Out: 0.000+/-0.000 χ^2/NDF:70.4/58

All: 0.000+/-0.000 χ^2/NDF: 131.7/113



Right In: 0.000+/-0.000 χ^2/NDF: 7381547.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8026342.7/34

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

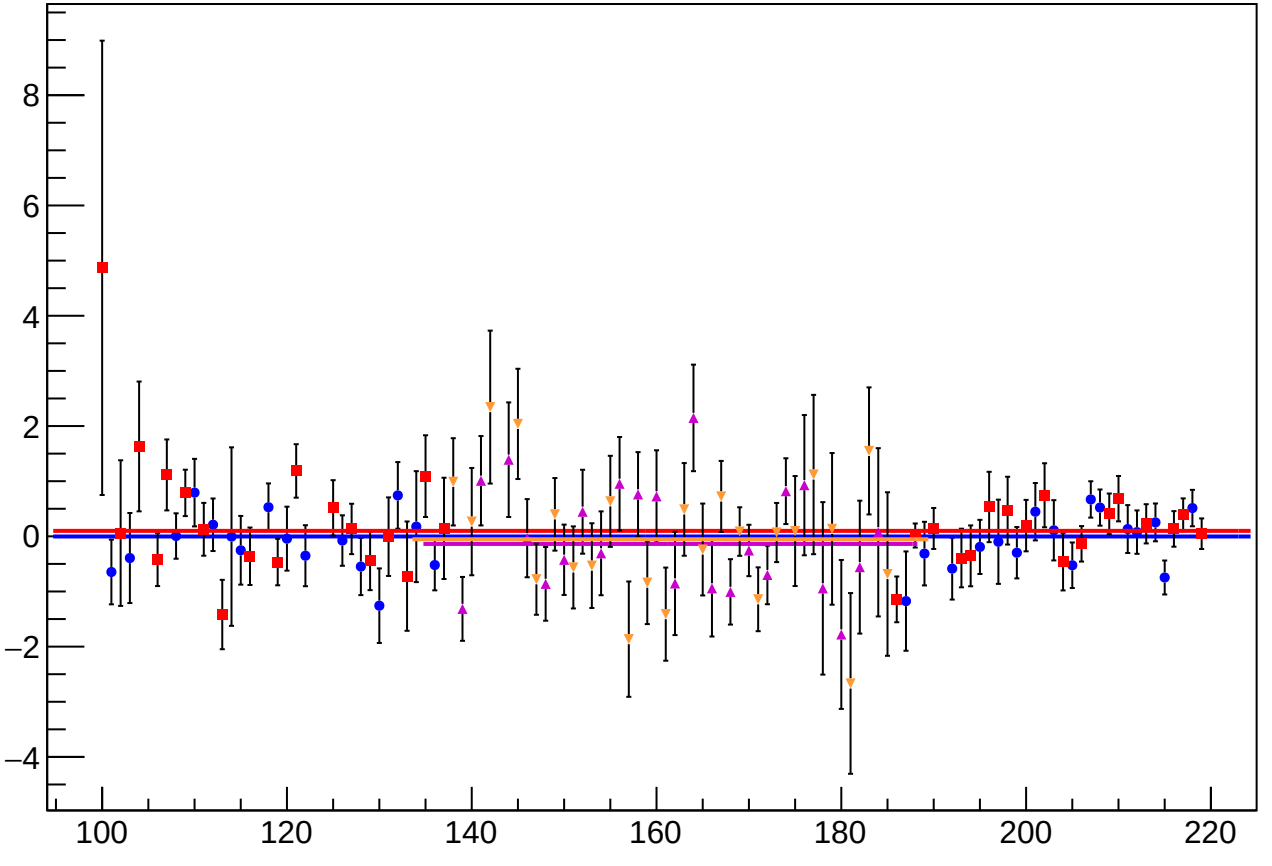
Right: 0.000+/-0.000 χ^2/NDF: 15444754.4/66

In: 0.000+/-0.000 χ^2/NDF:11713168.6/54

Out: 0.000+/-0.000 χ^2/NDF:11203917.7/58

All: 0.000+/-0.000 χ^2/NDF: 23028301.0/113

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.084 χ^2/NDF: 34.5/31

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

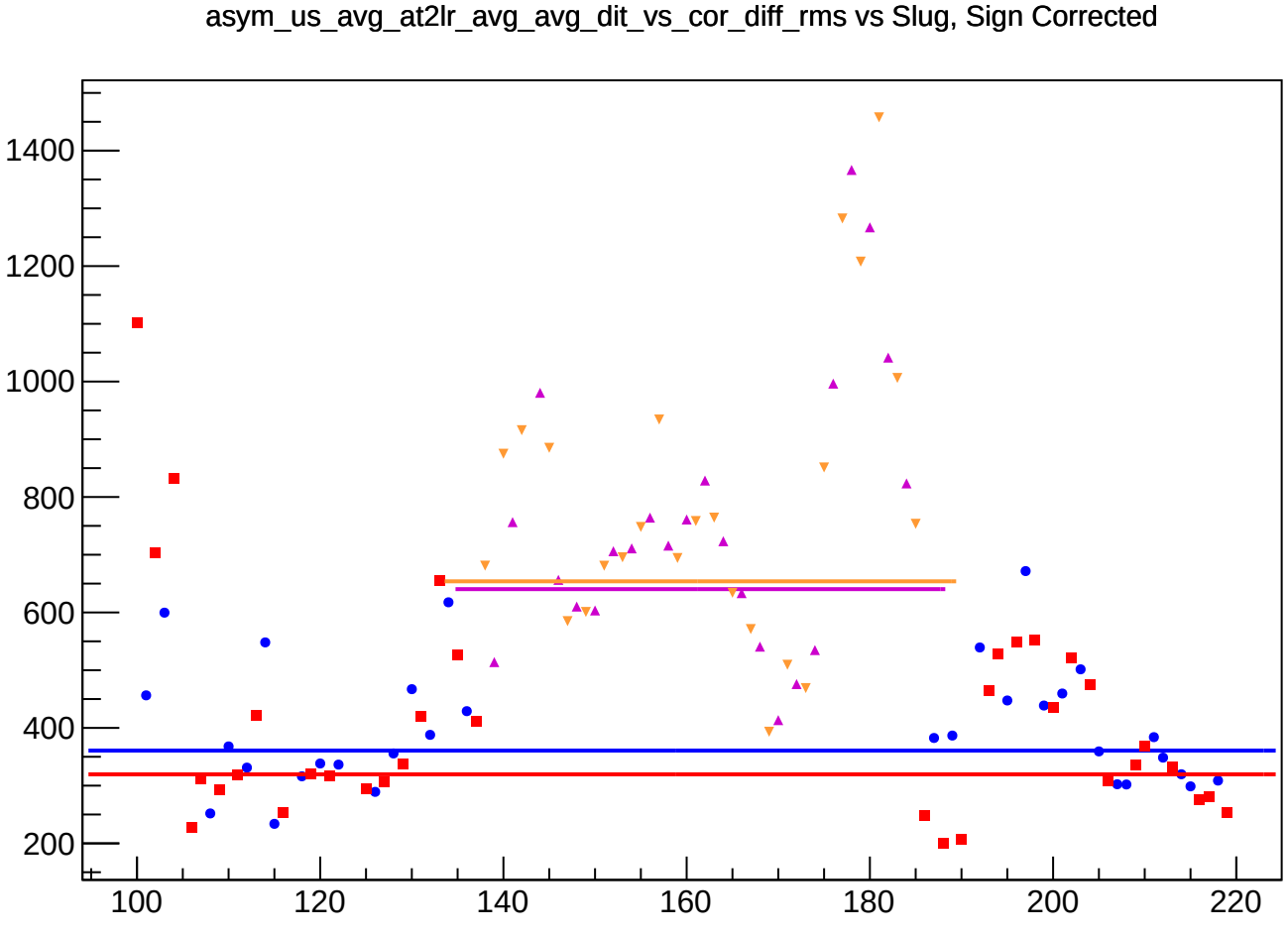
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: 0.054+/-0.056 χ^2/NDF: 80.7/66

In: -0.033+/-0.074 χ^2/NDF:65.0/54

Out: 0.072+/-0.068 χ^2/NDF:76.3/58

All: 0.024+/-0.050 χ^2/NDF: 142.4/113



Right In: 360.772+/-0.060 χ^2/NDF: 1944004.5/31

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 319.631+/-0.053 χ^2/NDF: 3836102.3/34

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

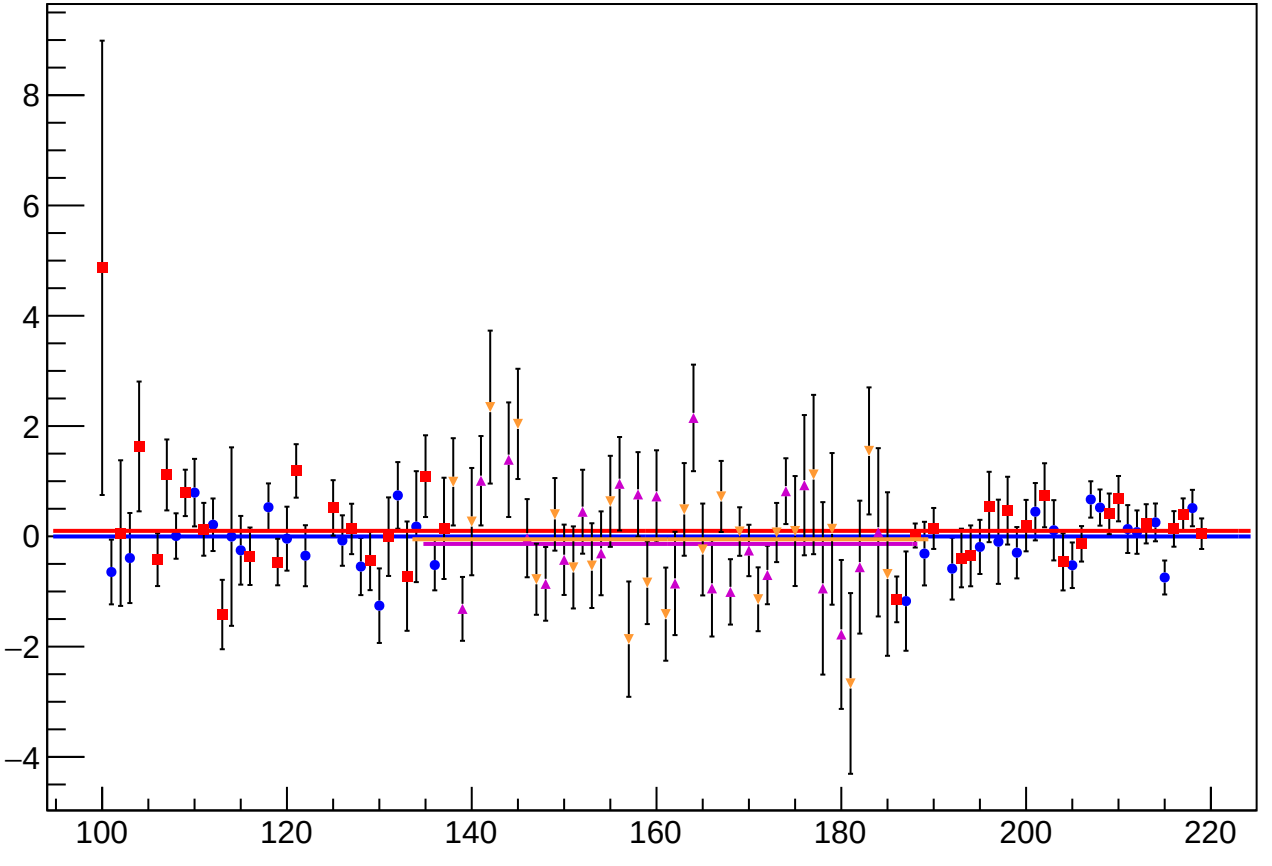
Right: 337.956+/-0.040 χ^2/NDF: 6043614.5/66

In: 422.935+/-0.053 χ^2/NDF:9471737.4/54

Out: 379.883+/-0.048 χ^2/NDF:14000643.9/58

All: 399.622+/-0.036 χ^2/NDF: 23834694.9/1

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.084 χ^2/NDF: 34.5/31

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

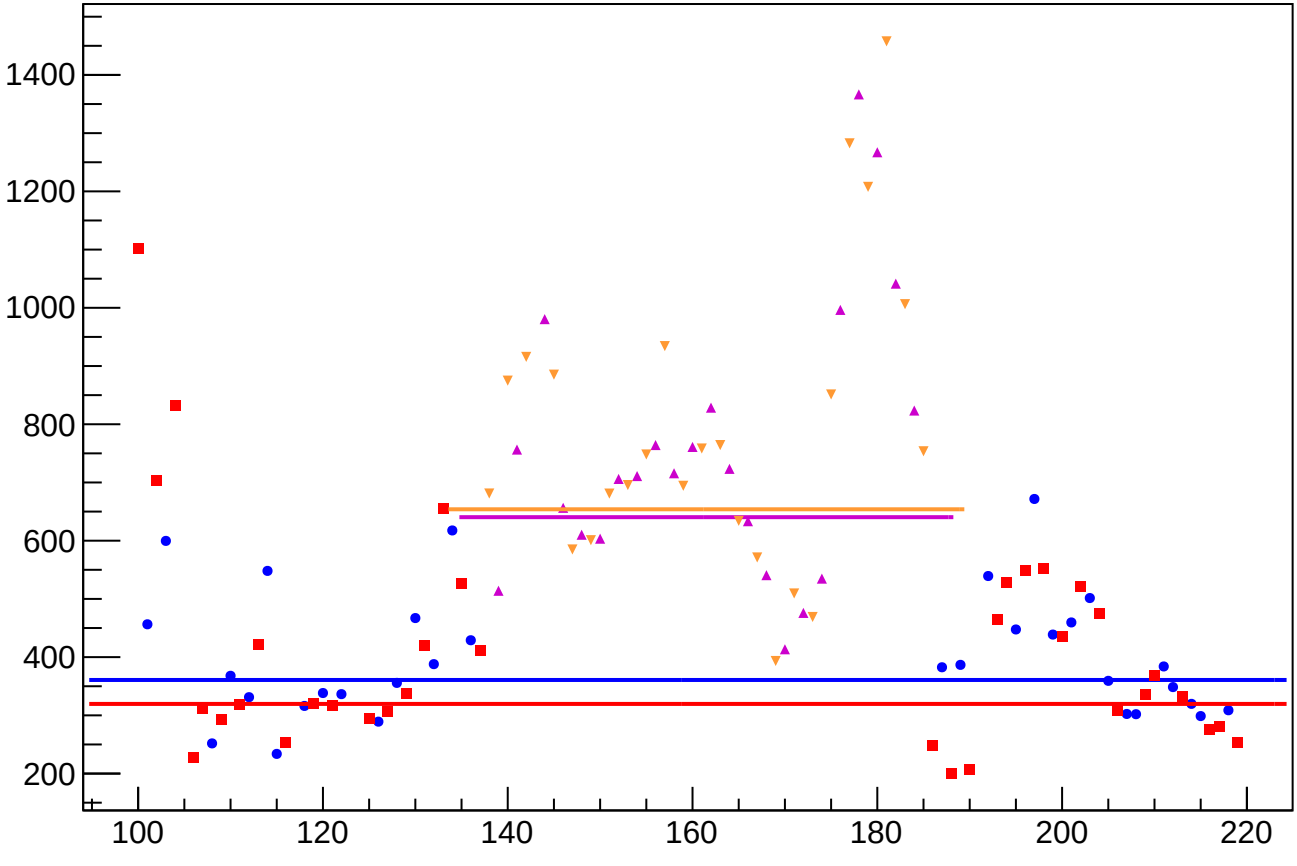
Right: 0.054+/-0.056 χ^2/NDF: 80.7/66

In: -0.033+/-0.074 χ^2/NDF:65.0/54

Out: 0.072+/-0.068 χ^2/NDF:76.3/58

All: 0.024+/-0.050 χ^2/NDF: 142.4/113

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 360.772+/-0.060 χ^2/NDF: 1944004.5/31

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 319.631+/-0.053 χ^2/NDF: 3836102.3/34

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

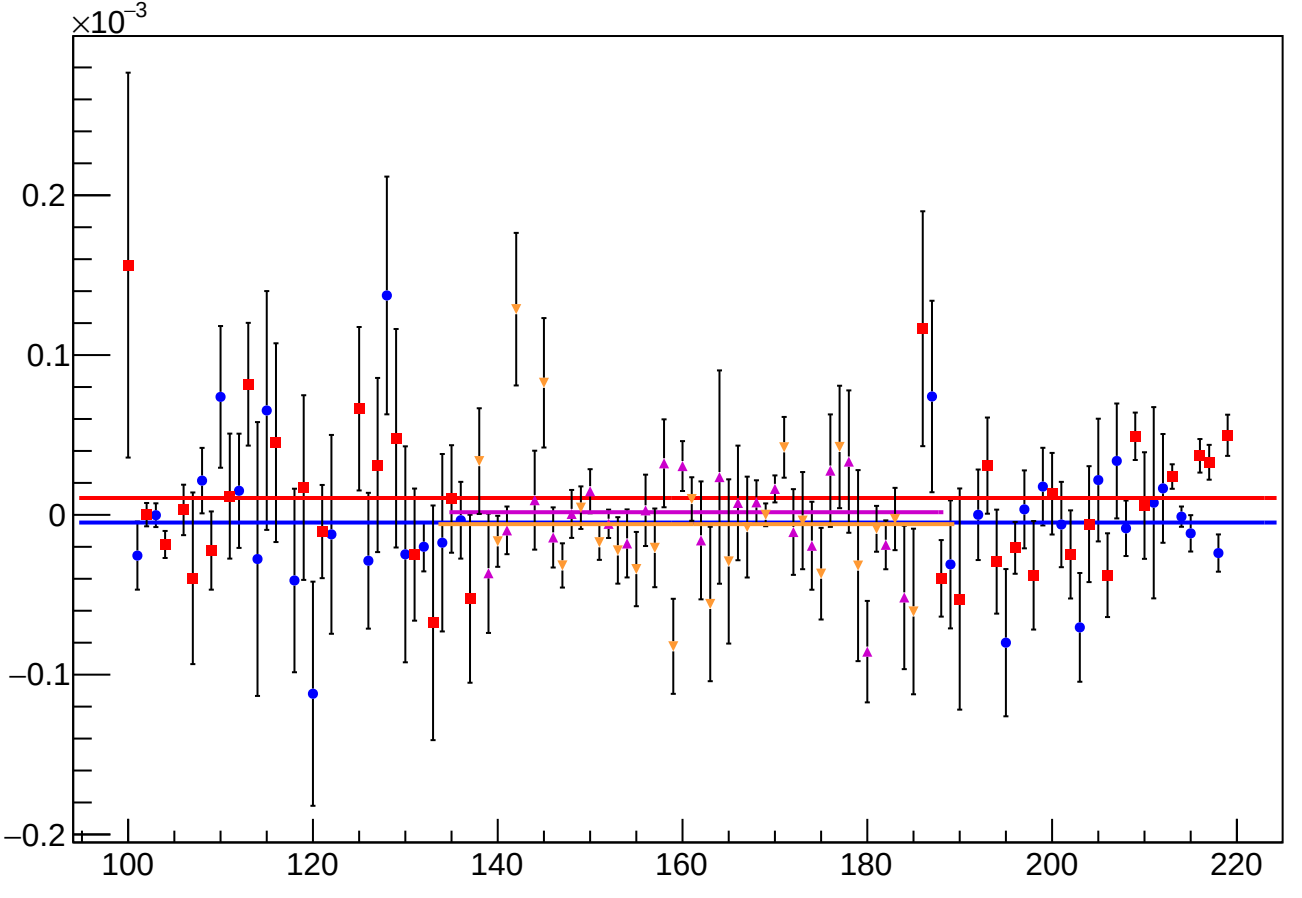
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 337.956+/-0.040 χ^2/NDF: 6043614.5/66

In: 422.935+/-0.053 χ^2/NDF:9471737.4/54

Out: 379.883+/-0.048 χ^2/NDF:14000643.9/58

All: 399.622+/-0.036 χ^2/NDF: 23834694.9/1



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/31

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 77.4/34

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

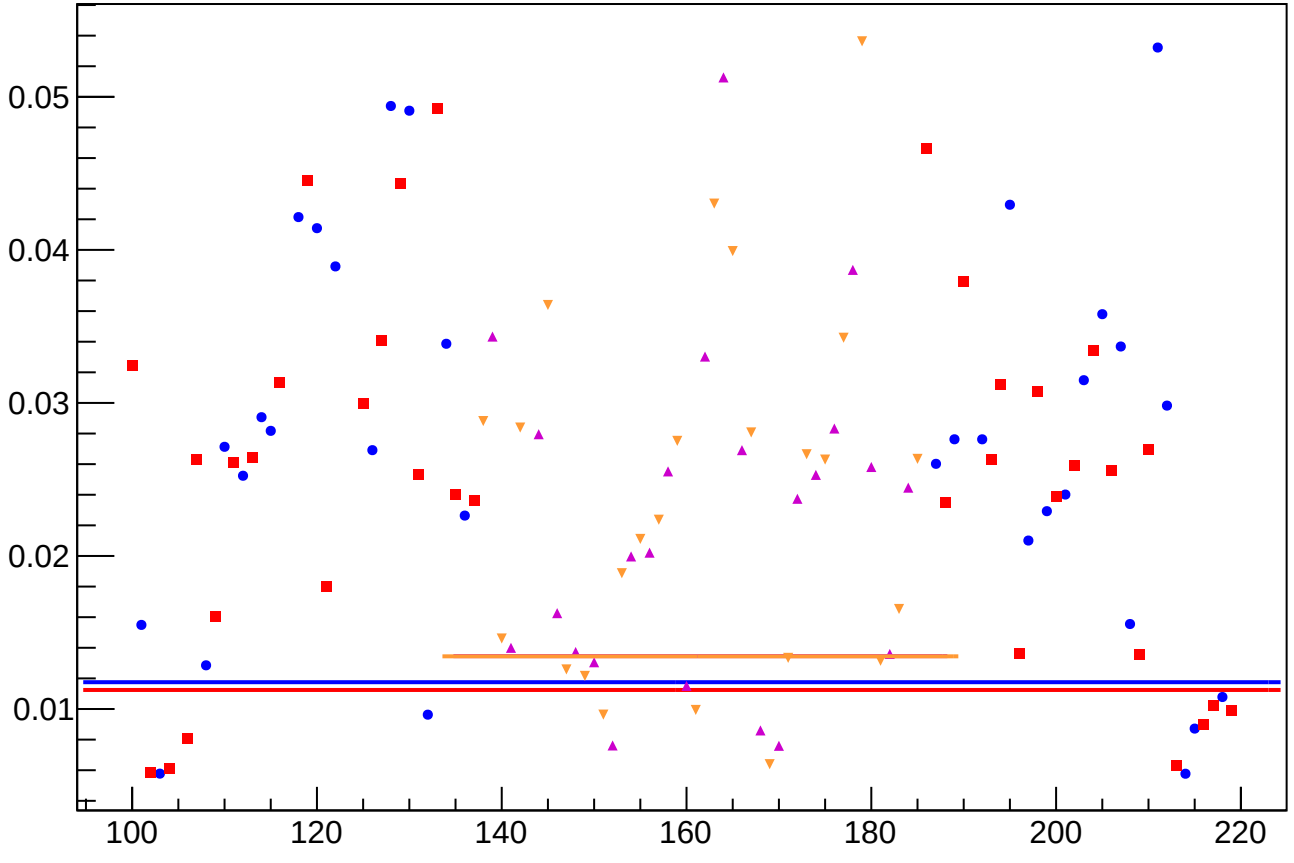
Right: 0.000+/-0.000 χ^2/NDF: 118.8/66

In: -0.000+/-0.000 χ^2/NDF:57.5/54

Out: 0.000+/-0.000 χ^2/NDF:131.4/58

All: 0.000+/-0.000 χ^2/NDF: 191.6/113

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 14369232.4/31

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.011+/-0.000 χ^2/NDF: 13129533.2/34

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

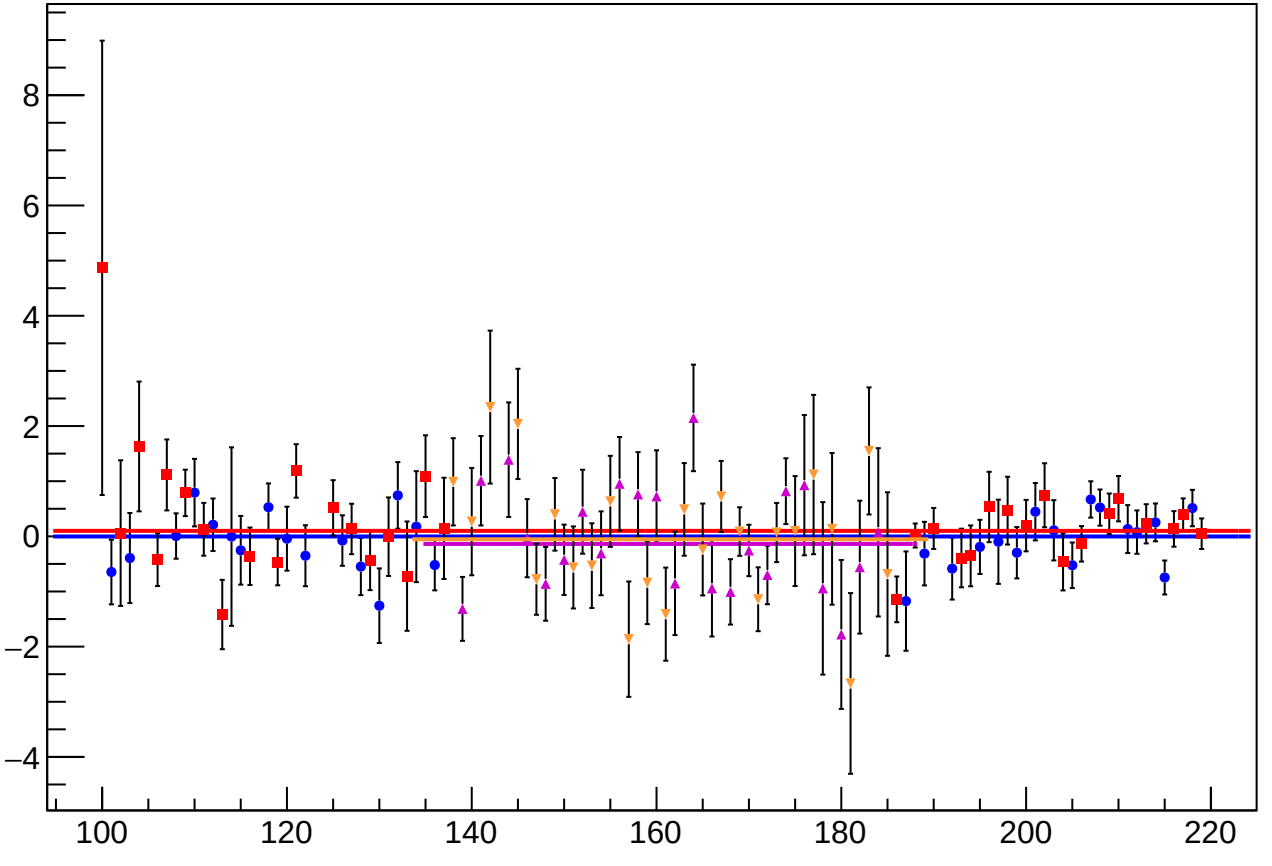
Right: 0.011+/-0.000 χ^2/NDF: 27523135.3/66

In: 0.013+/-0.000 χ^2/NDF:22145377.2/54

Out: 0.012+/-0.000 χ^2/NDF:22400042.6/58

All: 0.012+/-0.000 χ^2/NDF: 44569688.6/113

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.084 χ^2/NDF: 34.5/31

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

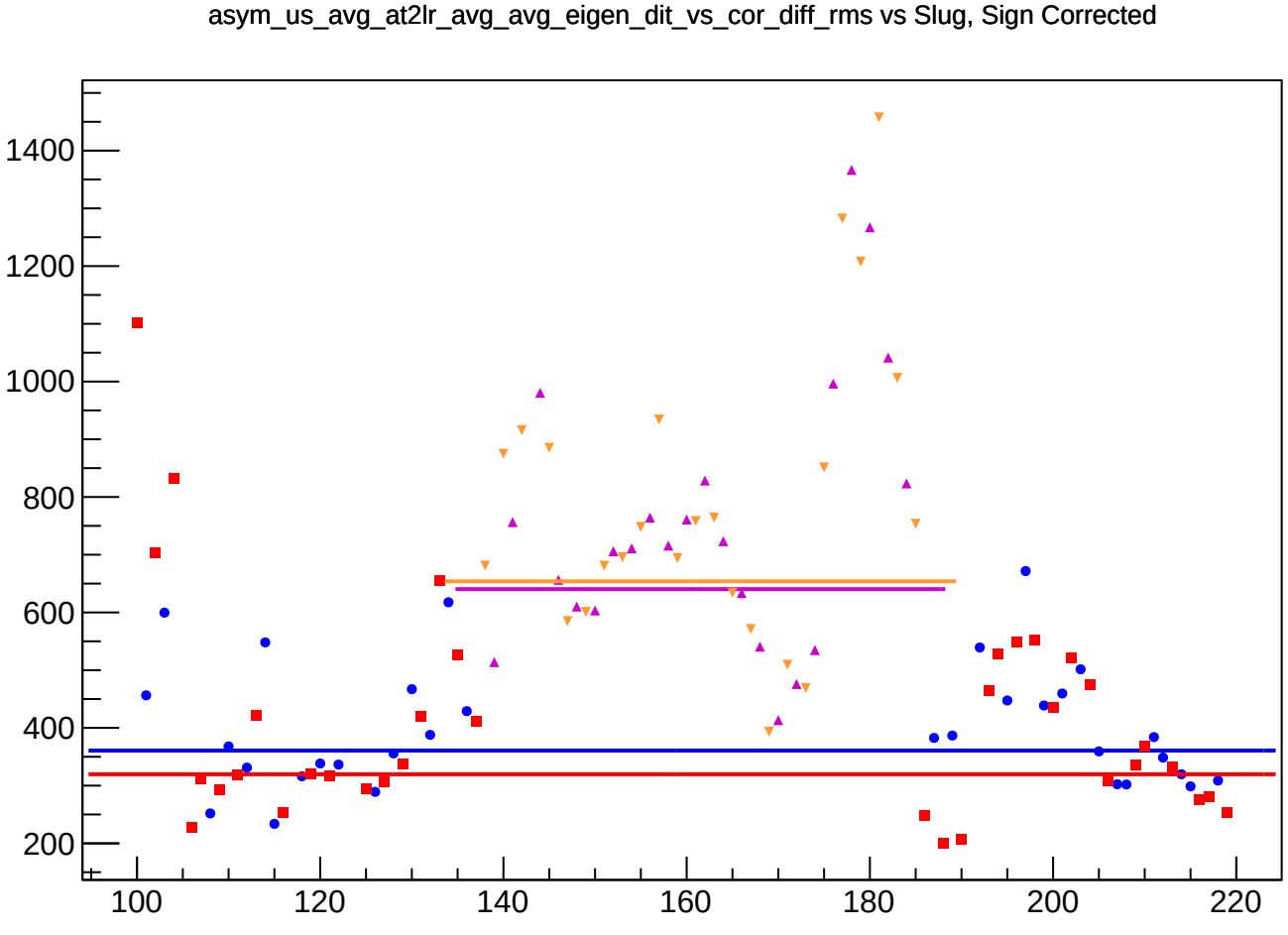
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: 0.054+/-0.056 χ^2/NDF: 80.7/66

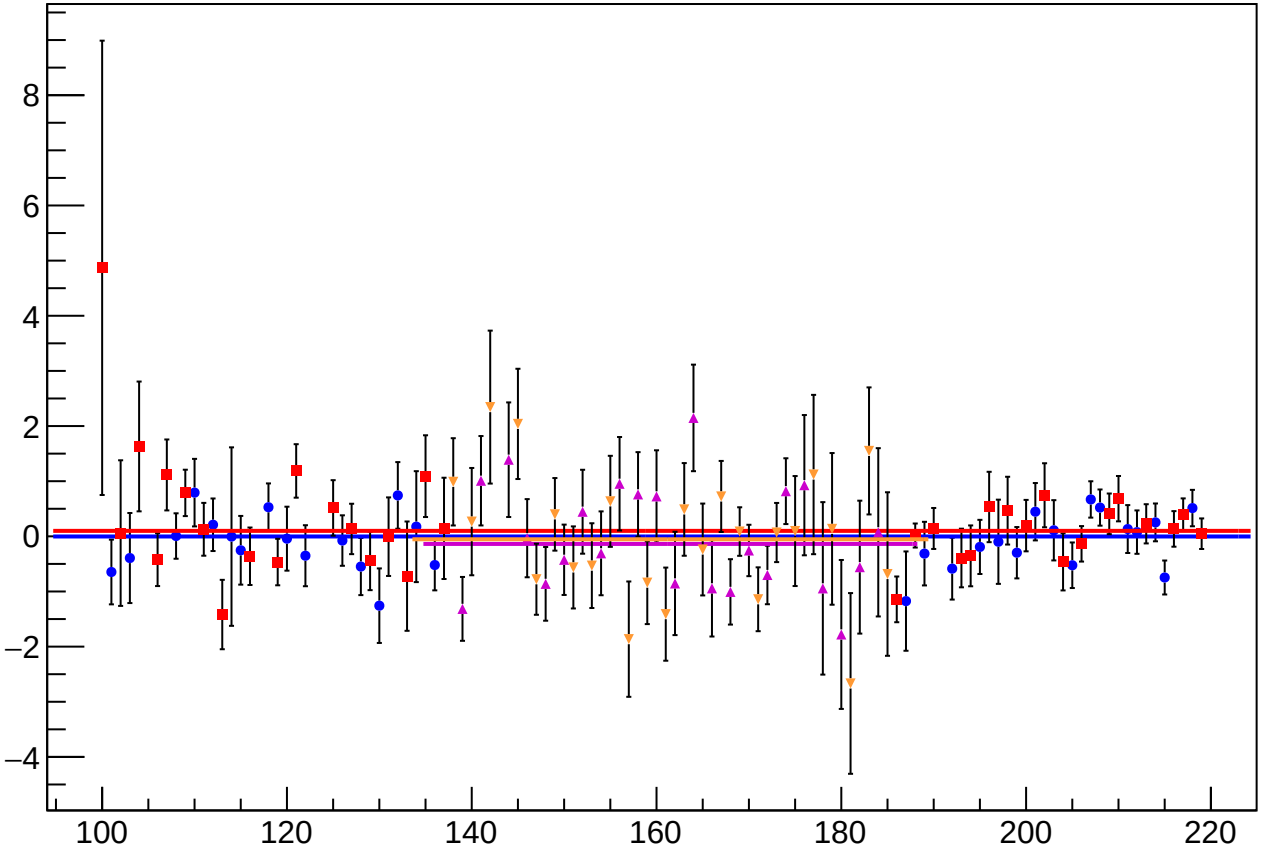
In: -0.033+/-0.074 χ^2/NDF:65.0/54

Out: 0.072+/-0.068 χ^2/NDF:76.3/58

All: 0.024+/-0.050 χ^2/NDF: 142.4/113


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 360.772+/-0.060 χ²/NDF: 1943991.6/31
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 319.627+/-0.053 χ²/NDF: 3836261.5/34
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
Left: 647.016+/-0.080 χ²/NDF: 5780002.9/46
Right: 337.954+/-0.040 χ²/NDF: 6043809.7/66
In: 422.936+/-0.053 χ²/NDF:9471918.8/54
Out: 379.879+/-0.048 χ²/NDF:14001165.6/58
All: 399.620+/-0.036 χ²/NDF: 23835468.4/11

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.084 χ^2/NDF: 34.5/31

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

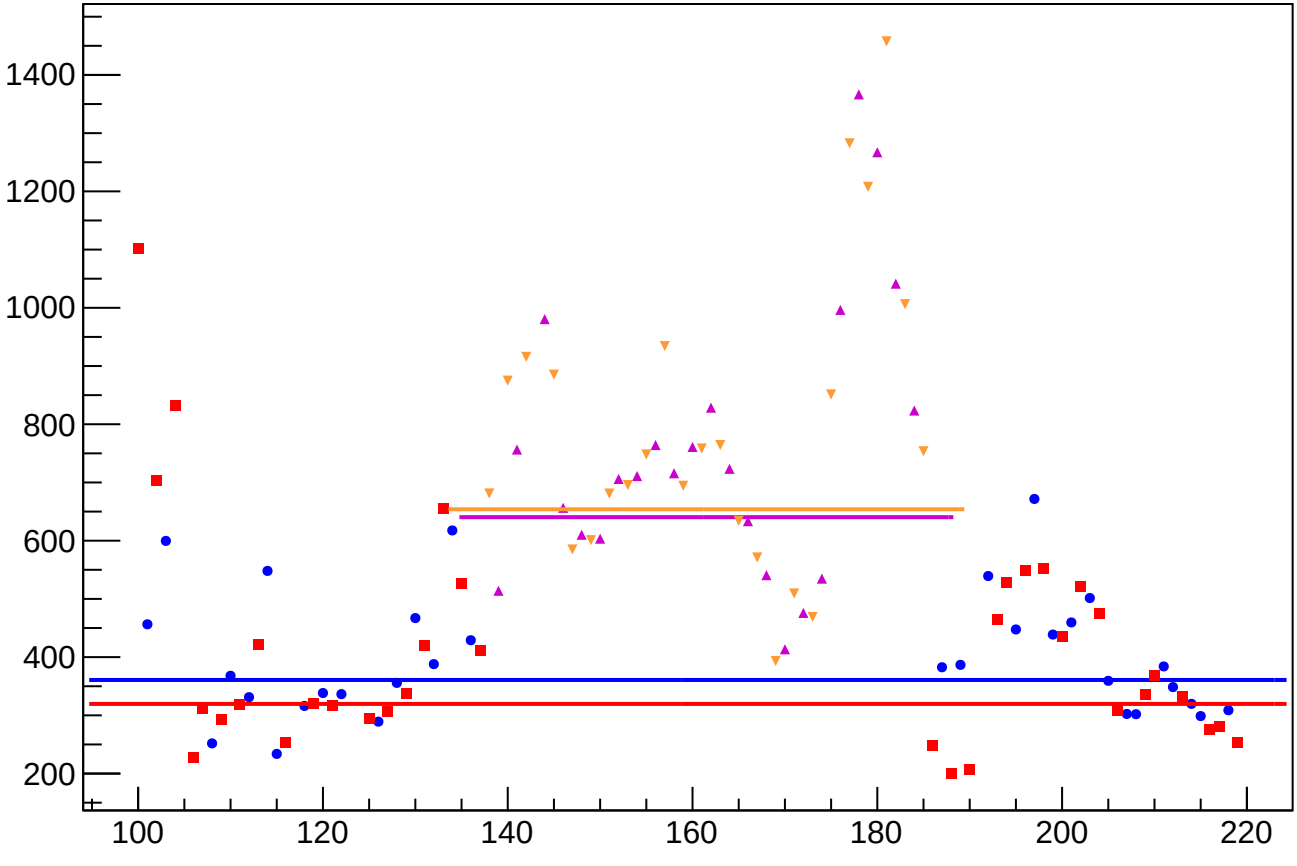
Right: 0.054+/-0.056 χ^2/NDF: 80.7/66

In: -0.033+/-0.074 χ^2/NDF:65.0/54

Out: 0.072+/-0.068 χ^2/NDF:76.3/58

All: 0.024+/-0.050 χ^2/NDF: 142.4/113

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 360.772+/-0.060 χ^2/NDF: 1943991.6/31

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 319.627+/-0.053 χ^2/NDF: 3836261.5/34

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

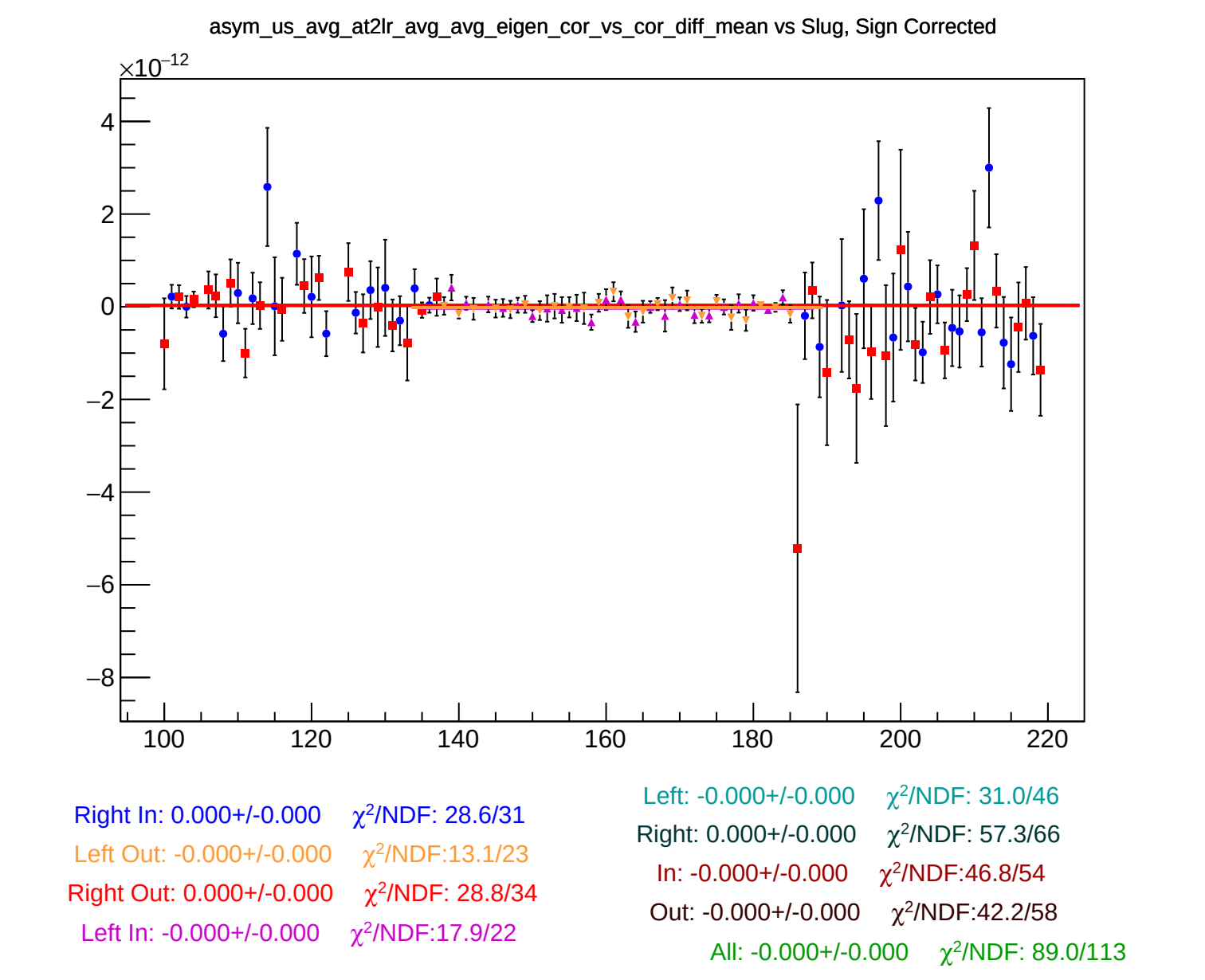
Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

Right: 337.954+/-0.040 χ^2/NDF: 6043809.7/66

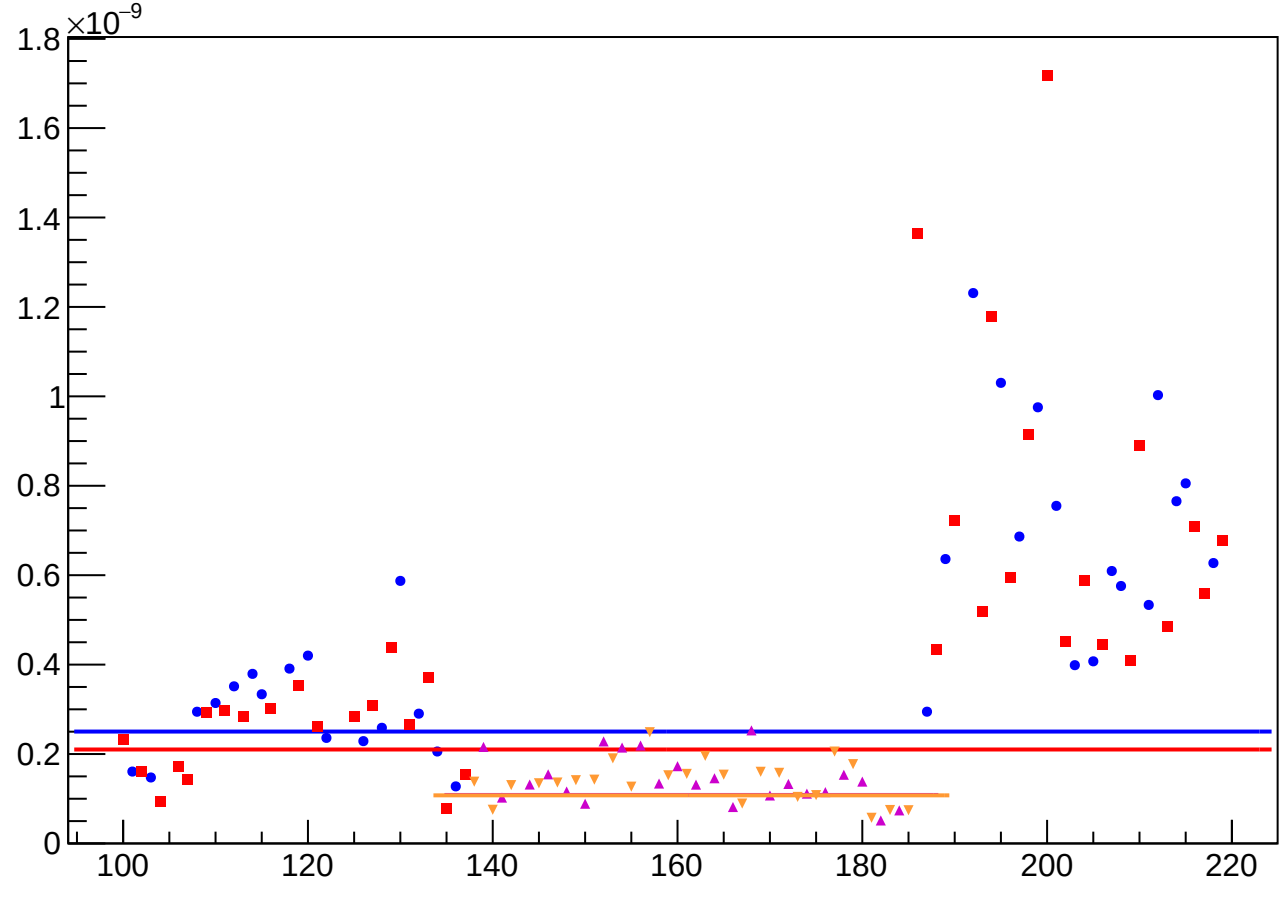
In: 422.936+/-0.053 χ^2/NDF:9471918.8/54

Out: 379.879+/-0.048 χ^2/NDF:14001165.6/58

All: 399.620+/-0.036 χ^2/NDF: 23835468.4/1


asym_us_avg_at2lr_avg_avg_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: 28.6/31
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 28.8/34
Left In: -0.000+/-0.000 χ²/NDF:17.9/22
Left: -0.000+/-0.000 χ²/NDF: 31.0/46
Right: 0.000+/-0.000 χ²/NDF: 57.3/66
In: -0.000+/-0.000 χ²/NDF:46.8/54
Out: -0.000+/-0.000 χ²/NDF:42.2/58
All: -0.000+/-0.000 χ²/NDF: 89.0/113

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: 8703989.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9947758.0/34

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

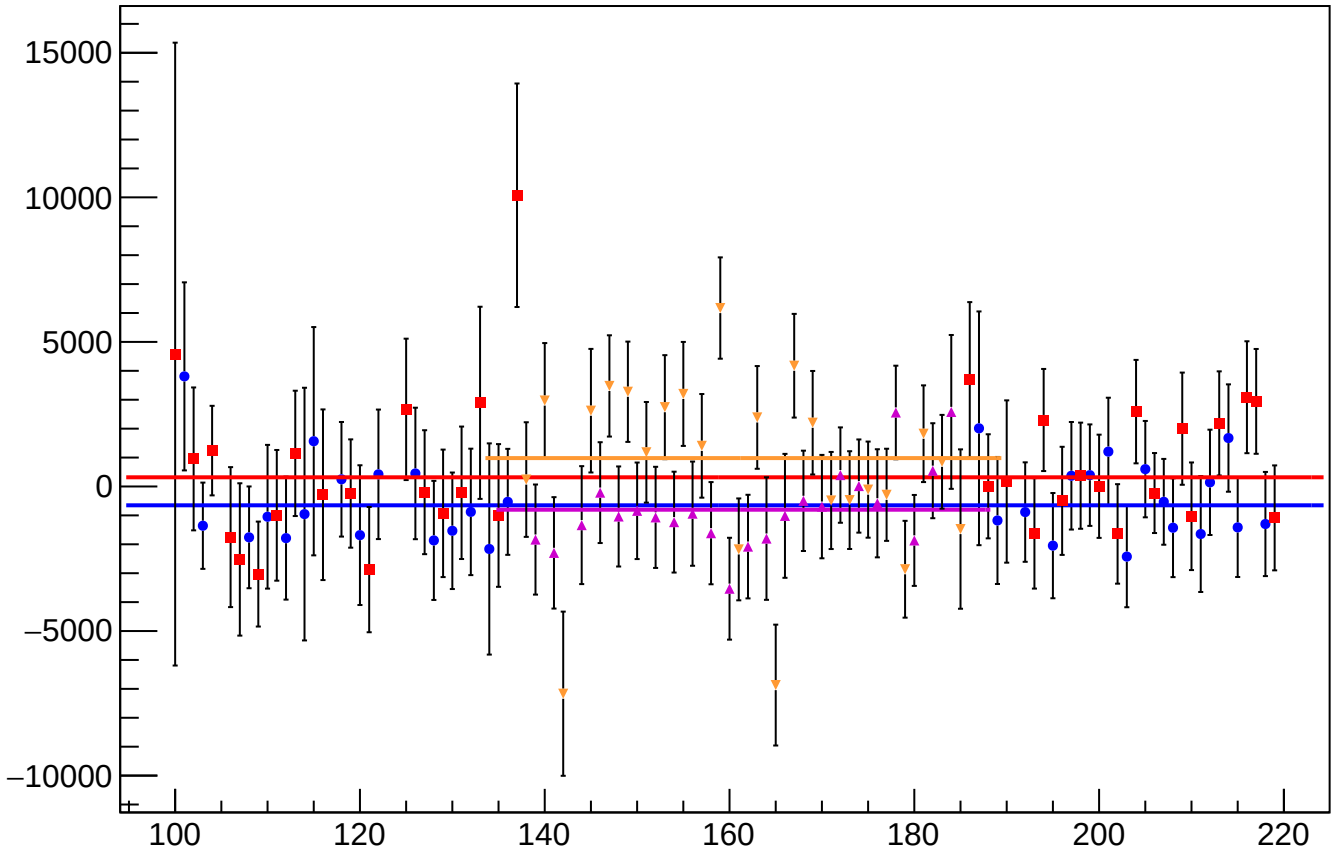
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 18878052.2/66

In: 0.000+/-0.000 χ^2/NDF:17033939.8/54

Out: 0.000+/-0.000 χ^2/NDF:16243730.0/58

All: 0.000+/-0.000 χ^2/NDF: 33286886.6/113



Right In: -651.308+/-352.920 χ^2/NDF: 11.6/31

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: 317.276+/-346.939 χ^2/NDF: 31.5/34

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

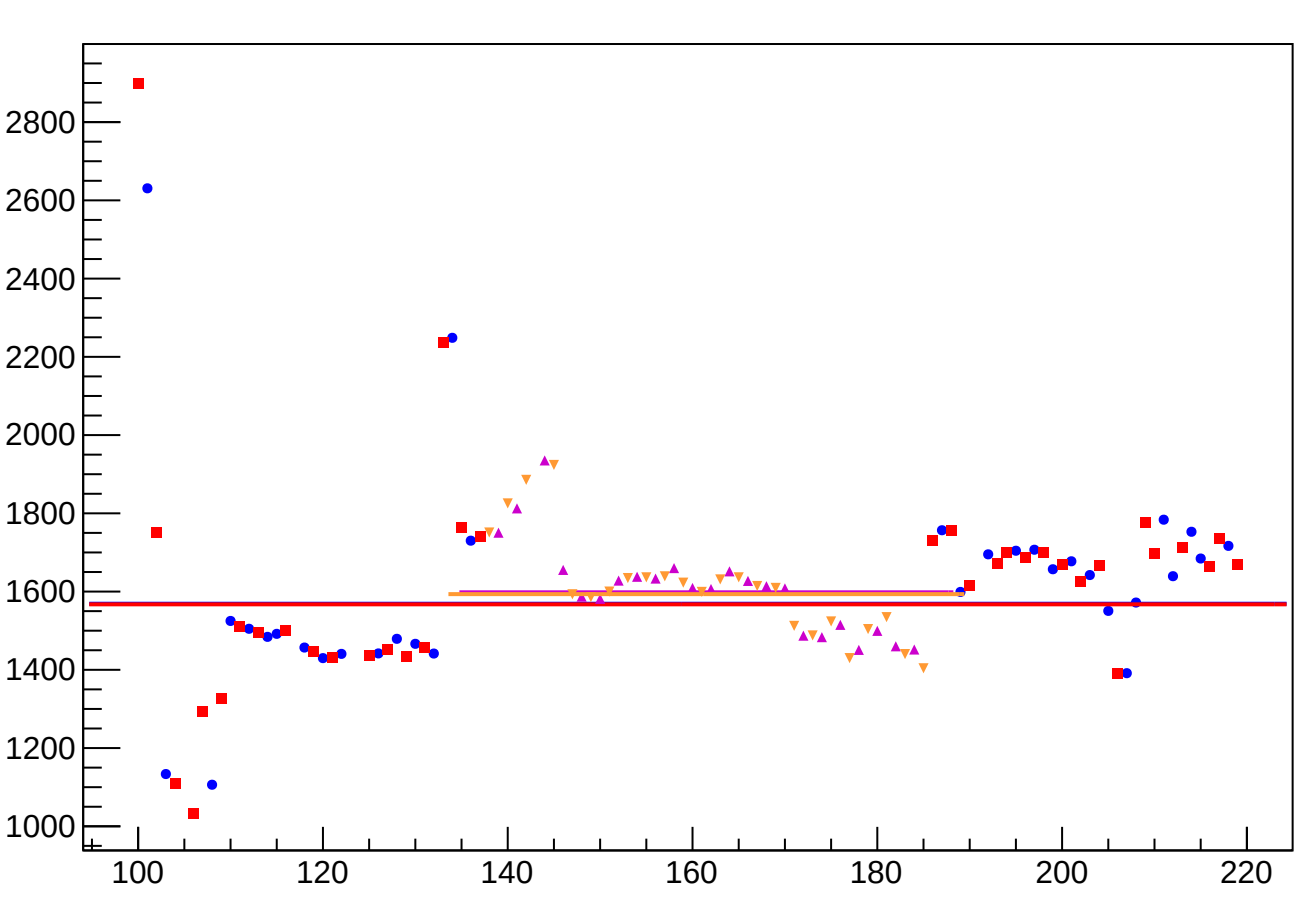
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -158.739+/-247.411 χ^2/NDF: 47.0/66

In: -723.173+/-256.702 χ^2/NDF:24.1/54

Out: 627.351+/-253.352 χ^2/NDF:88.8/58

All: -39.042+/-180.320 χ^2/NDF: 126.9/113



Right In: 1568.918+/-0.250 χ^2/NDF: 801775.2/31

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1567.373+/-0.245 χ^2/NDF: 729359.7/34

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

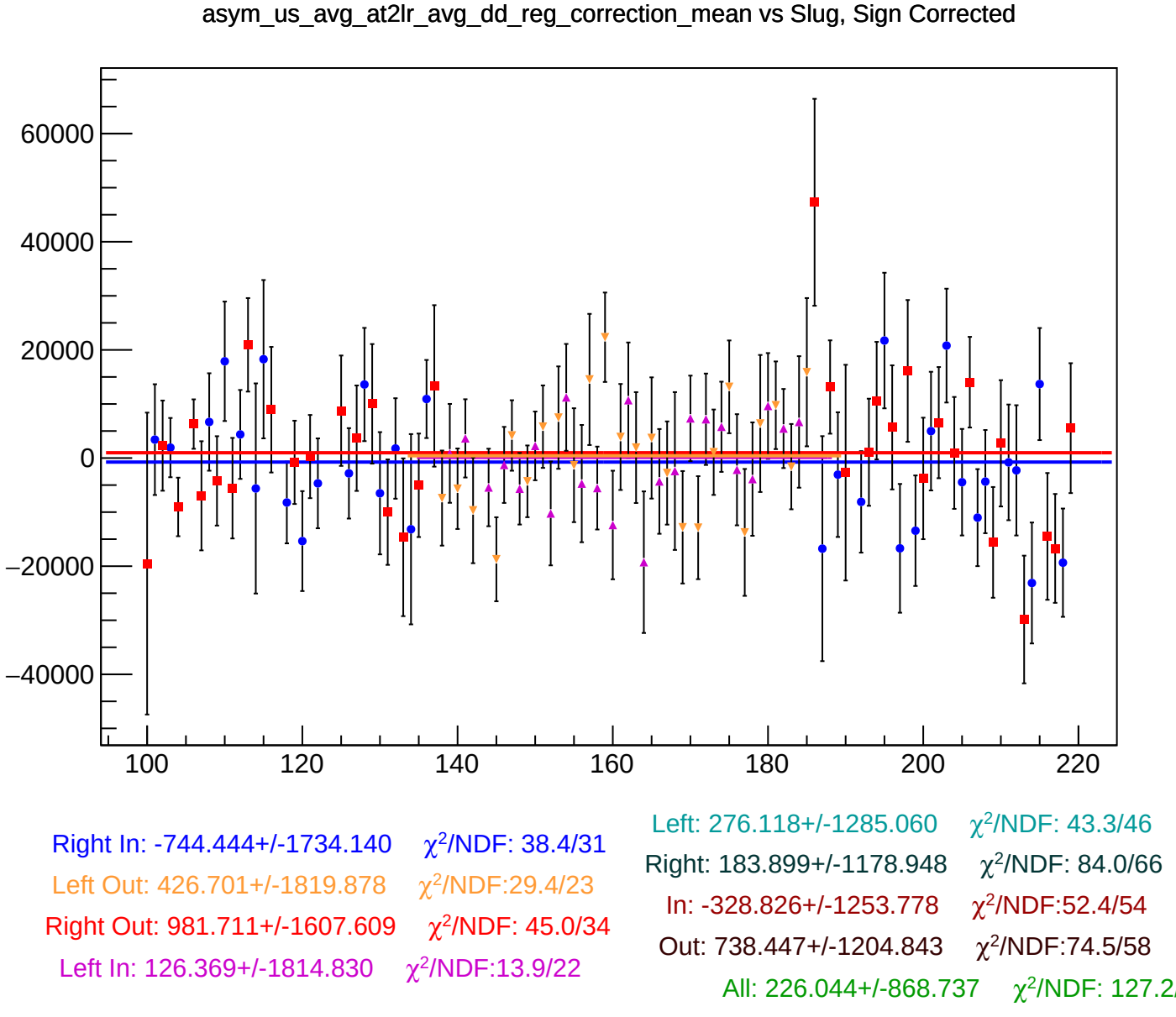
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

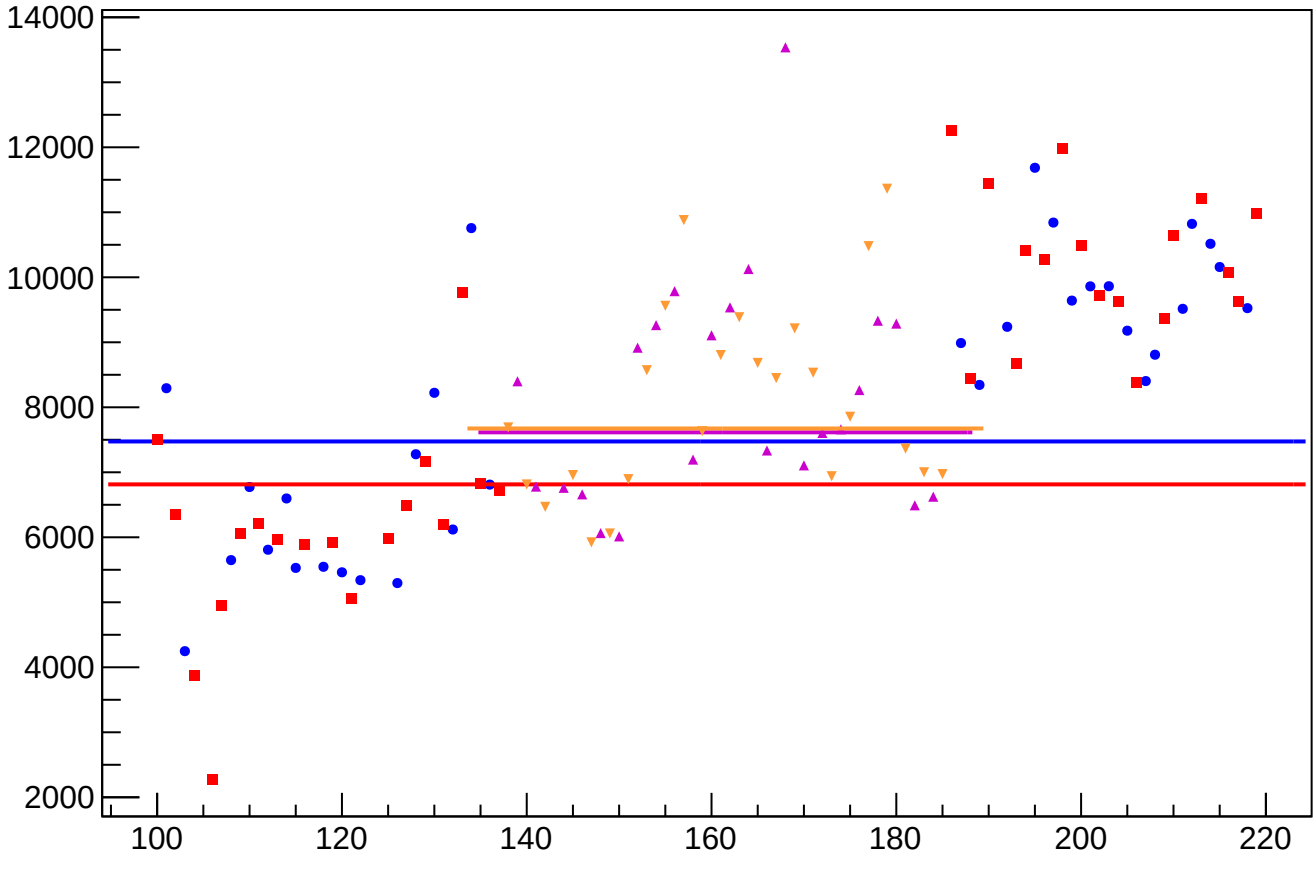
Right: 1568.130+/-0.175 χ^2/NDF: 1531154.4/66

In: 1582.670+/-0.182 χ^2/NDF:977381.0/54

Out: 1579.520+/-0.179 χ^2/NDF:922274.7/58

All: 1581.072+/-0.127 χ^2/NDF: 1899808.5/11


asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
220
Right In: -744.444+/-1734.140 χ²/NDF: 38.4/31
Left Out: 426.701+/-1819.878 χ²/NDF:29.4/23
Right Out: 981.711+/-1607.609 χ²/NDF: 45.0/34
Left In: 126.369+/-1814.830 χ²/NDF:13.9/22
Left: 276.118+/-1285.060 χ²/NDF: 43.3/46
Right: 183.899+/-1178.948 χ²/NDF: 84.0/66
In: -328.826+/-1253.778 χ²/NDF:52.4/54
Out: 738.447+/-1204.843 χ²/NDF:74.5/58
All: 226.044+/-868.737 χ²/NDF: 127.2/113



Right In: 7474.460+/-1.226 χ^2/NDF: 3028347.8/31

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6813.983+/-1.137 χ^2/NDF: 5818082.2/34

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

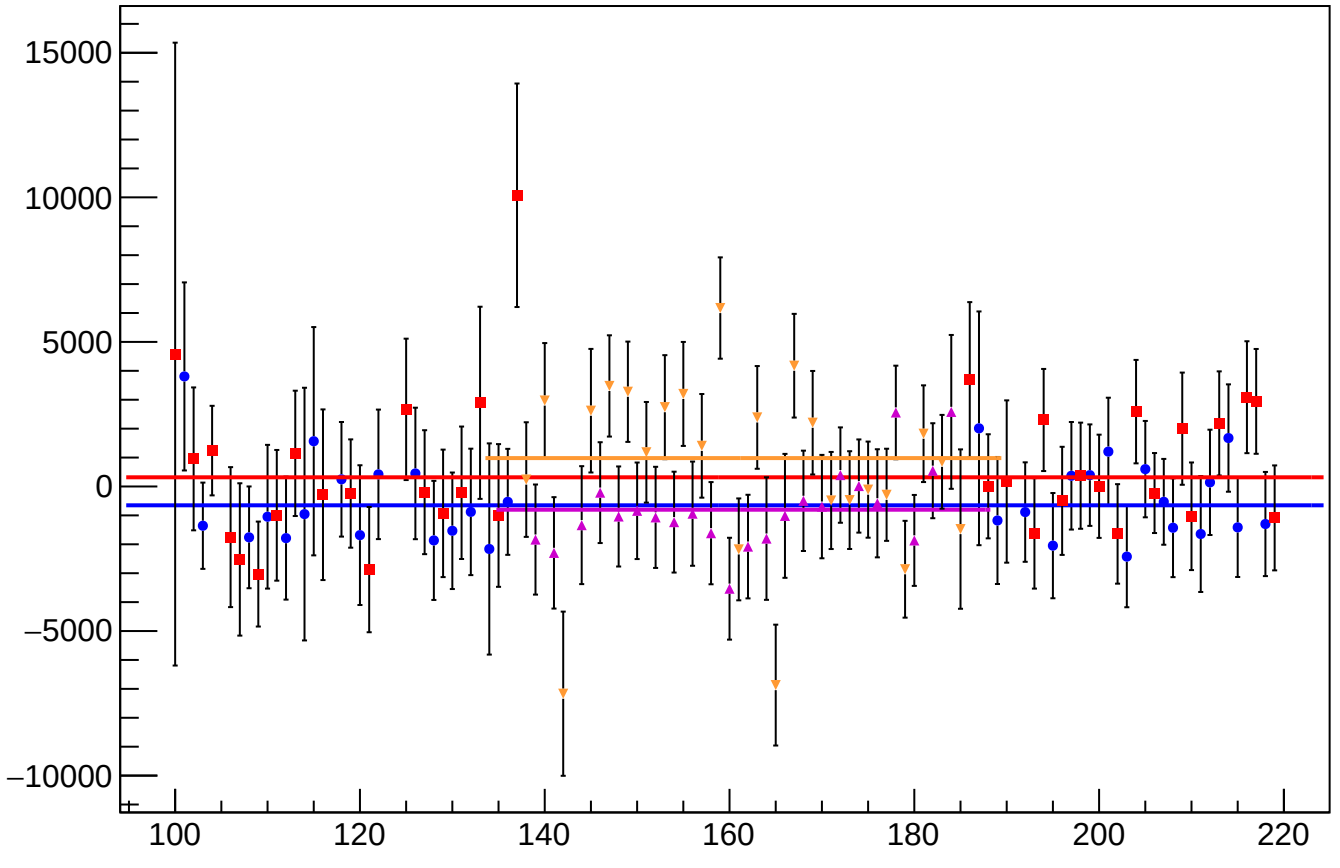
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 7119.249+/-0.834 χ^2/NDF: 9002459.4/66

In: 7541.524+/-0.887 χ^2/NDF:4259135.1/54

Out: 7190.959+/-0.852 χ^2/NDF:7145707.5/58

All: 7359.267+/-0.614 χ^2/NDF: 11486133.5/1



Right In: -651.353+/-352.920 χ^2/NDF: 11.6/31

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 317.295+/-346.939 χ^2/NDF: 31.5/34

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

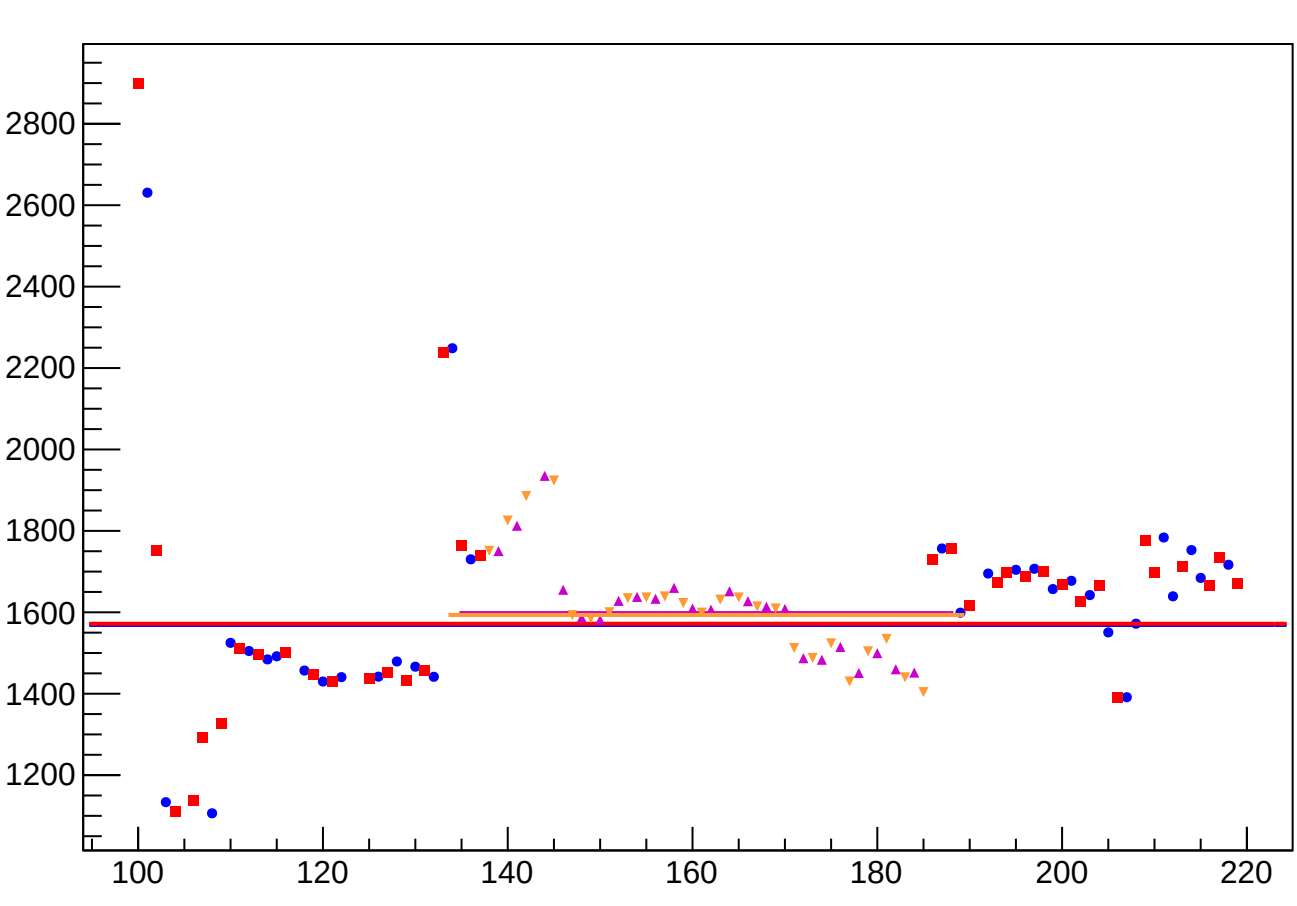
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -158.751+/-247.411 χ^2/NDF: 47.0/66

In: -723.138+/-256.702 χ^2/NDF:24.1/54

Out: 627.401+/-253.352 χ^2/NDF:88.8/58

All: -38.999+/-180.320 χ^2/NDF: 126.9/113



Right In: 1568.918+/-0.250 χ^2/NDF: 801775.6/31

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1571.897+/-0.245 χ^2/NDF: 672235.7/34

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

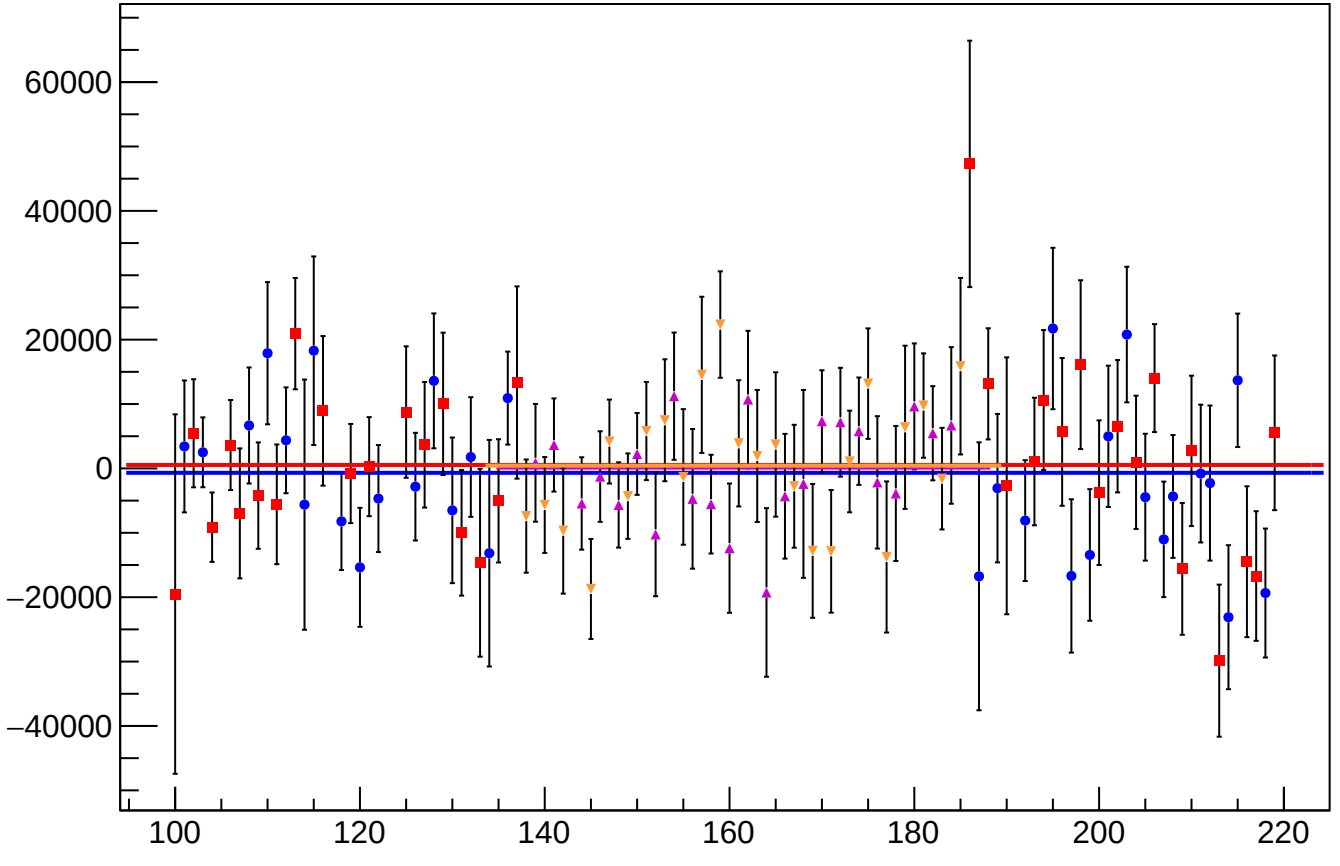
Right: 1570.434+/-0.175 χ^2/NDF: 1474083.8/66

In: 1582.670+/-0.182 χ^2/NDF:977381.5/54

Out: 1581.961+/-0.179 χ^2/NDF:863465.8/58

All: 1582.311+/-0.127 χ^2/NDF: 1840855.0/11

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -680.867+/-1732.454 χ^2/NDF: 38.5/31

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 536.536+/-1667.621 χ^2/NDF: 44.1/34

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

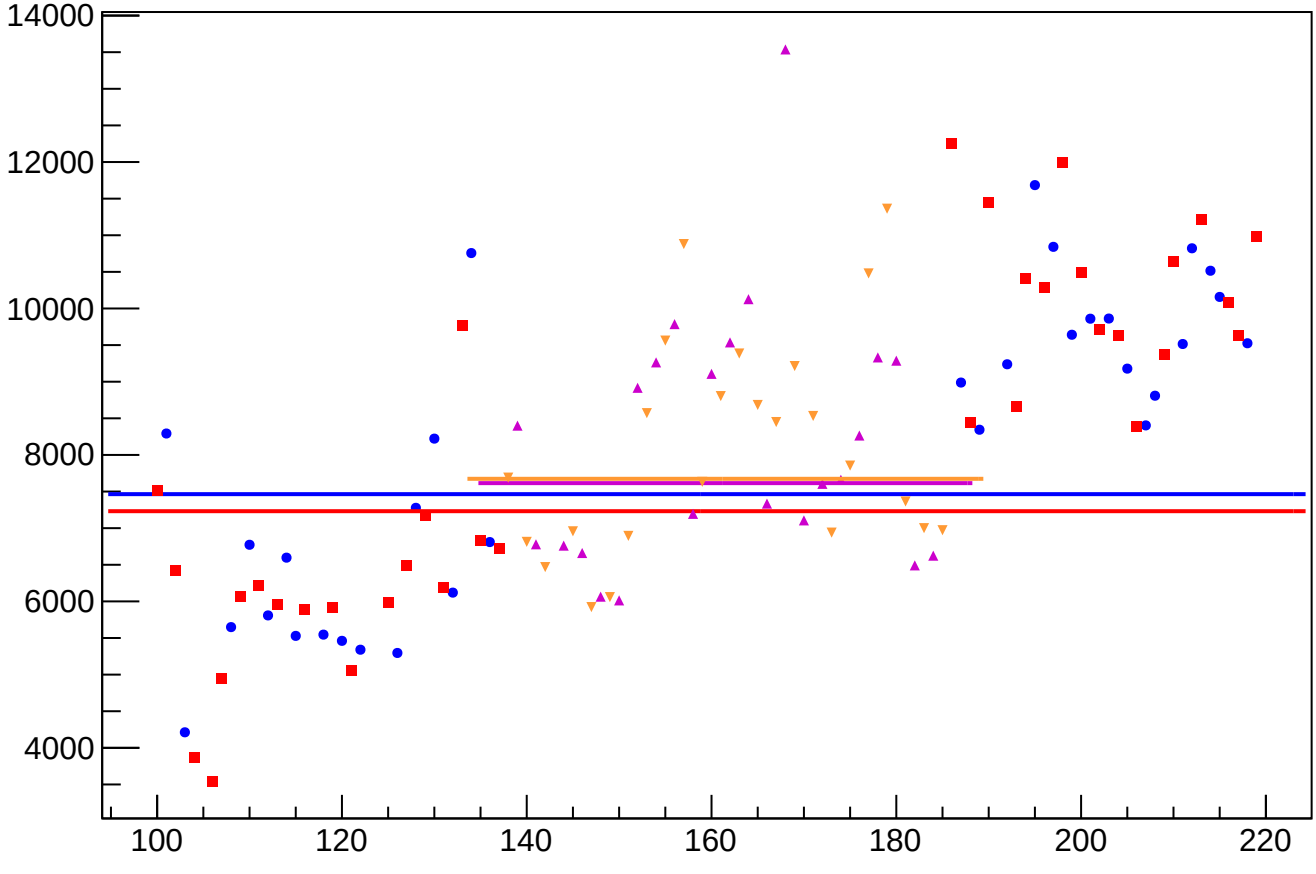
Right: -48.960+/-1201.452 χ^2/NDF: 82.9/66

In: -295.981+/-1253.139 χ^2/NDF:52.5/54

Out: 486.405+/-1229.496 χ^2/NDF:73.5/58

All: 102.662+/-877.625 χ^2/NDF: 126.2/113

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 7464.539+/-1.225 χ^2/NDF: 3057461.8/31

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 7231.800+/-1.179 χ^2/NDF: 4163795.0/34

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

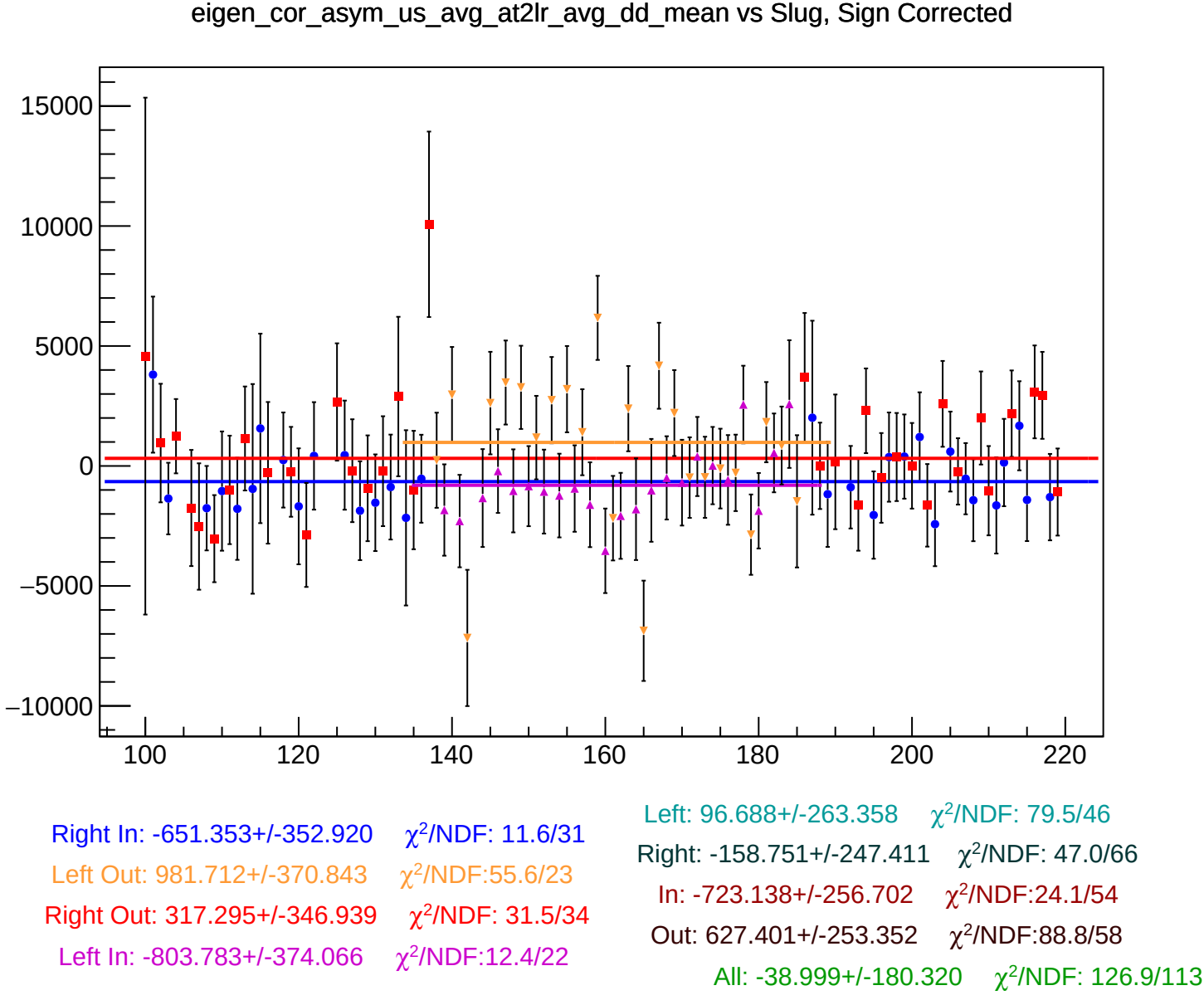
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

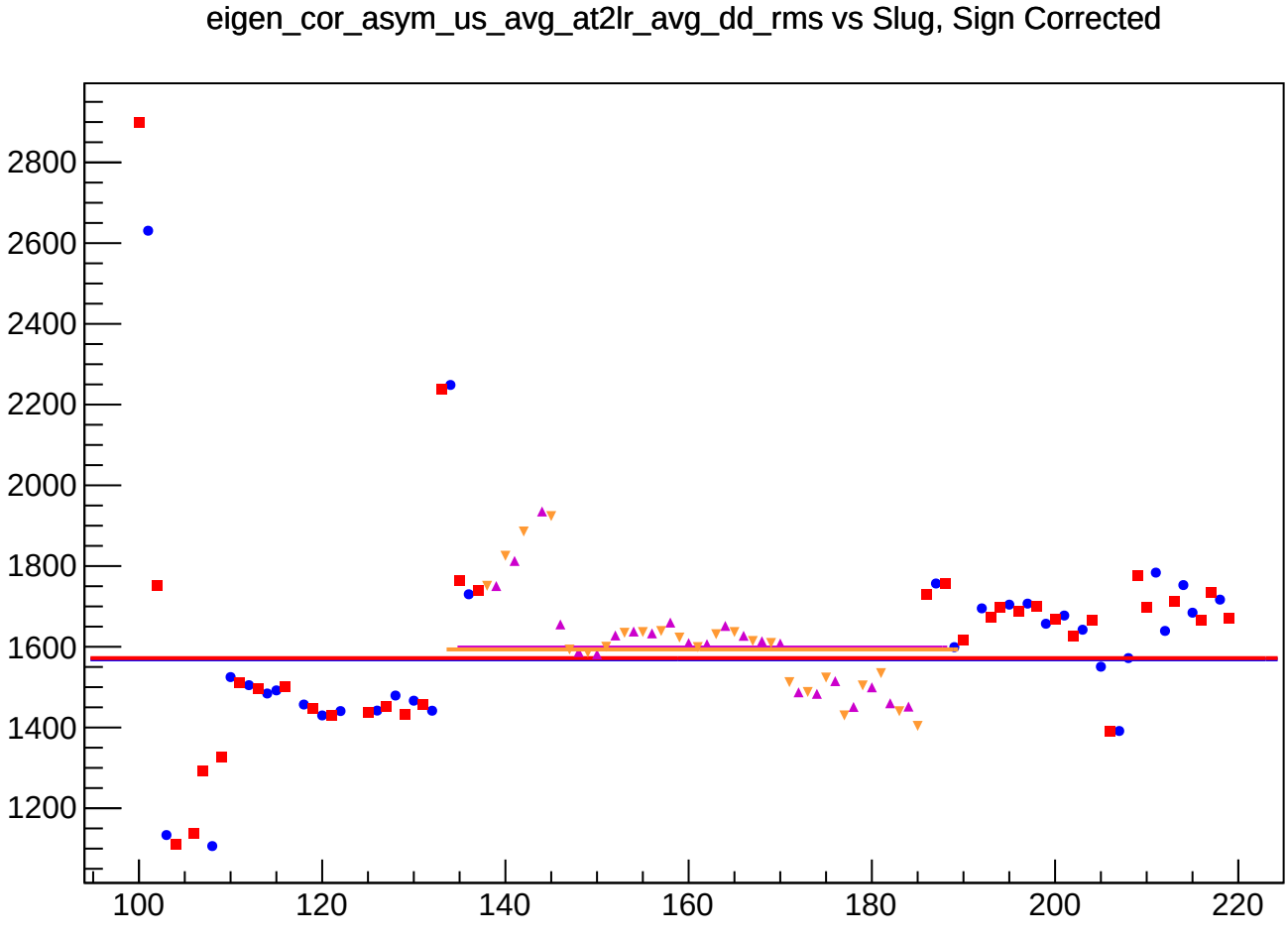
Right: 7343.733+/-0.850 χ^2/NDF: 7239992.2/66

In: 7536.260+/-0.886 χ^2/NDF:4289176.5/54

Out: 7433.660+/-0.869 χ^2/NDF:5304712.0/58

All: 7483.983+/-0.621 χ^2/NDF: 9600719.7/11


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -651.353+/-352.920 χ²/NDF: 11.6/31
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: 317.295+/-346.939 χ²/NDF: 31.5/34
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -158.751+/-247.411 χ²/NDF: 47.0/66
In: -723.138+/-256.702 χ²/NDF:24.1/54
Out: 627.401+/-253.352 χ²/NDF:88.8/58
All: -38.999+/-180.320 χ²/NDF: 126.9/113



Right In: 1568.918+/-0.250 χ^2/NDF: 801775.6/31

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1571.897+/-0.245 χ^2/NDF: 672235.7/34

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

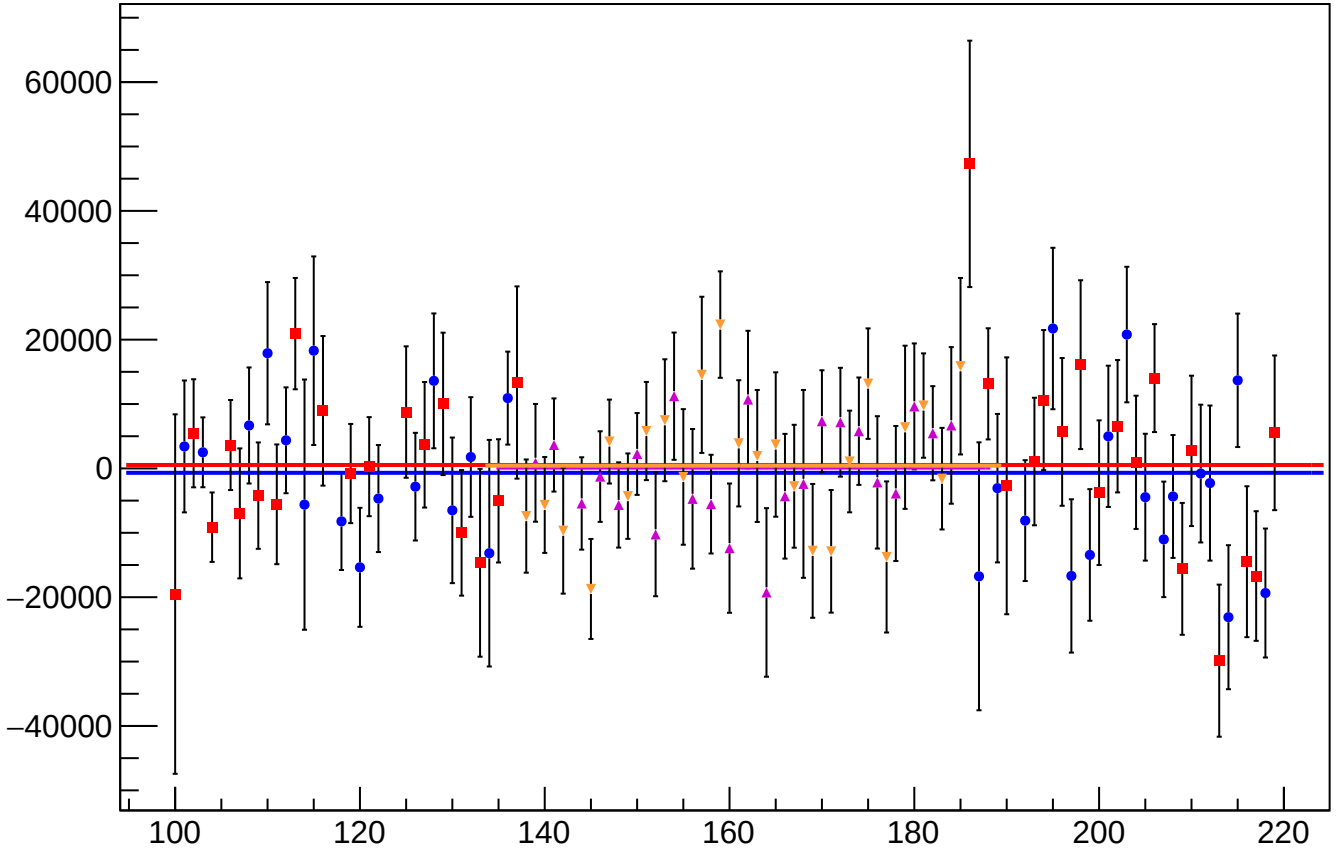
Right: 1570.434+/-0.175 χ^2/NDF: 1474083.8/66

In: 1582.670+/-0.182 χ^2/NDF:977381.5/54

Out: 1581.961+/-0.179 χ^2/NDF:863465.8/58

All: 1582.311+/-0.127 χ^2/NDF: 1840855.0/11

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -680.867+/-1732.454 χ^2/NDF: 38.5/31

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 536.536+/-1667.621 χ^2/NDF: 44.1/34

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

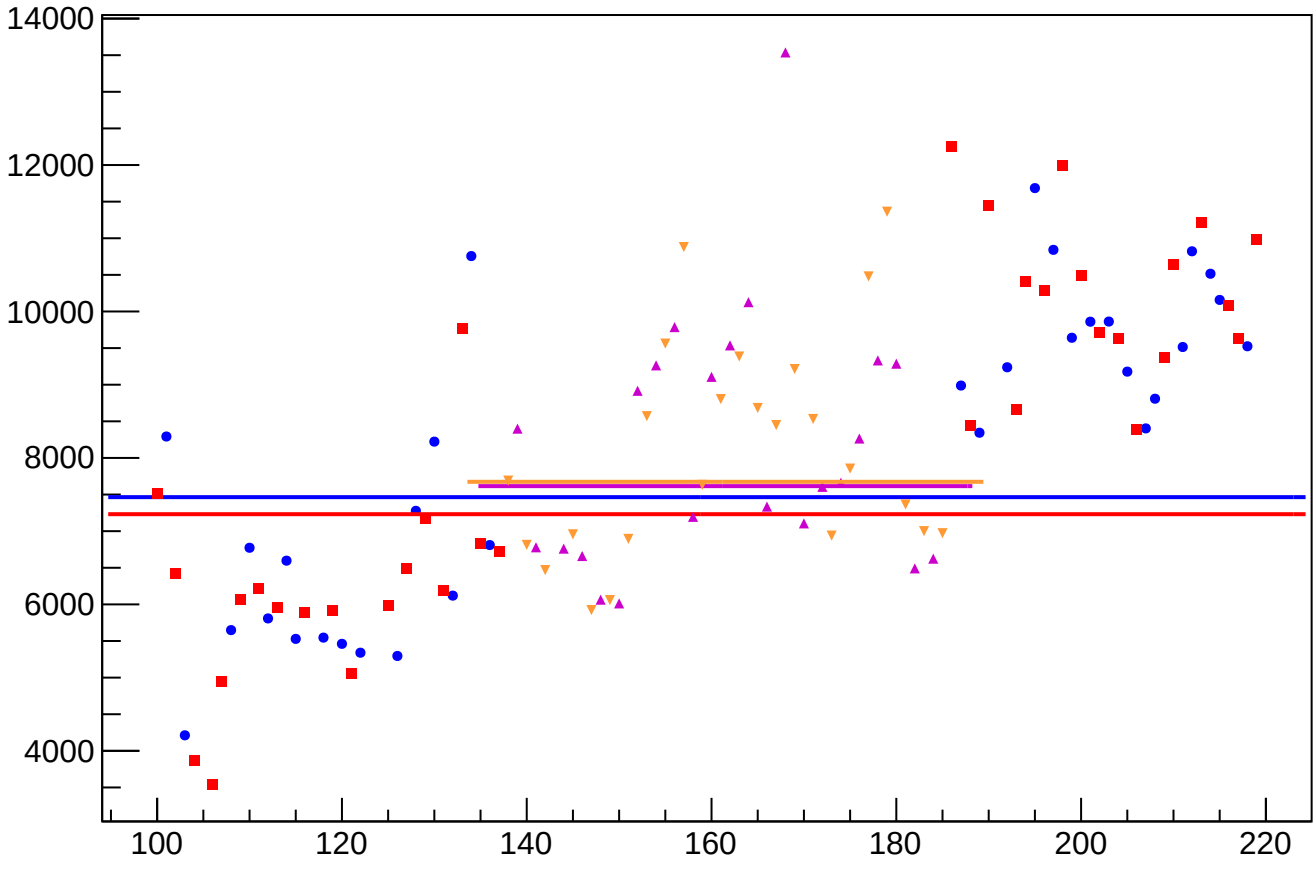
Right: -48.960+/-1201.452 χ^2/NDF: 82.9/66

In: -295.981+/-1253.139 χ^2/NDF:52.5/54

Out: 486.405+/-1229.496 χ^2/NDF:73.5/58

All: 102.662+/-877.625 χ^2/NDF: 126.2/113

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 7464.539+/-1.225 χ^2/NDF: 3057461.8/31

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 7231.800+/-1.179 χ^2/NDF: 4163795.0/34

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

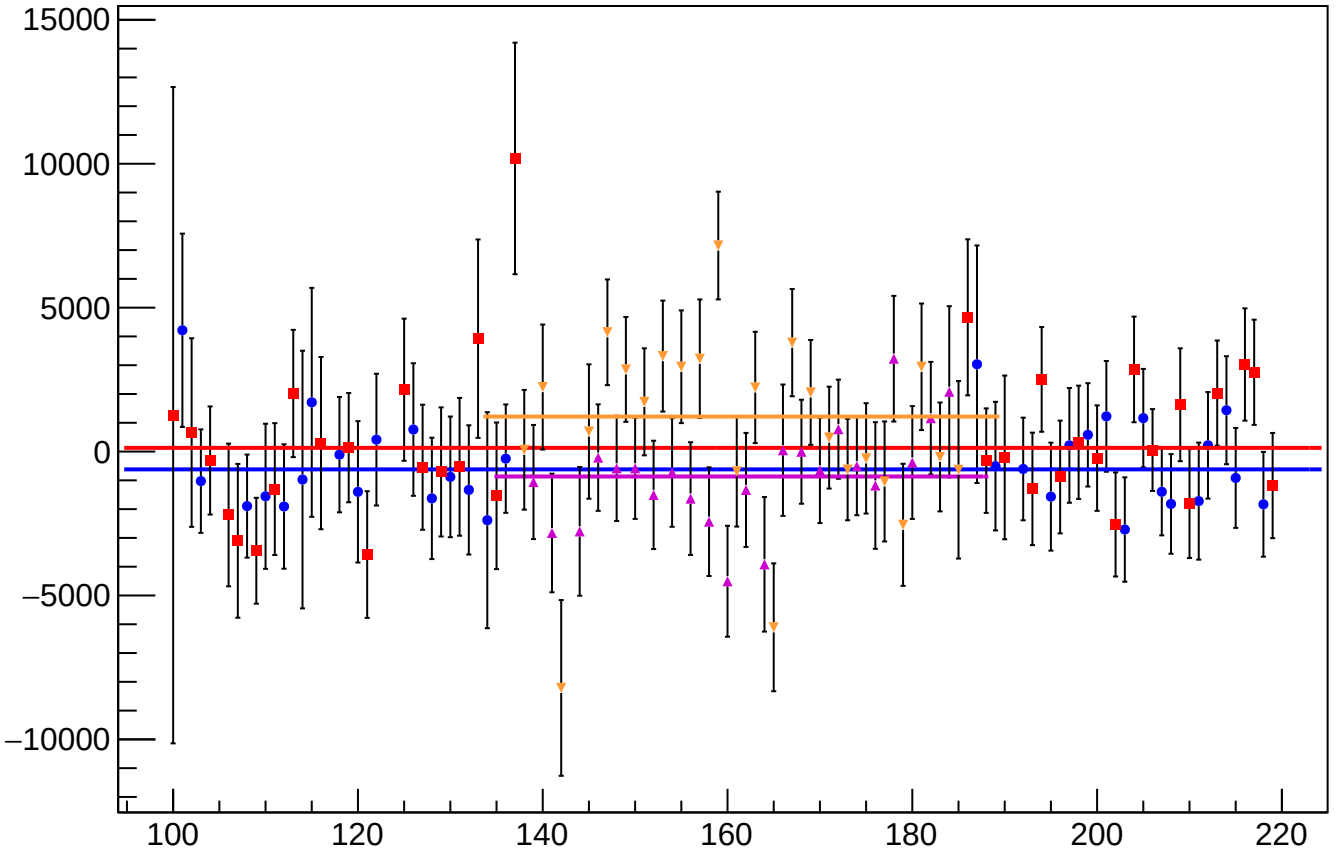
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 7343.733+/-0.850 χ^2/NDF: 7239992.2/66

In: 7536.260+/-0.886 χ^2/NDF:4289176.5/54

Out: 7433.660+/-0.869 χ^2/NDF:5304712.0/58

All: 7483.983+/-0.621 χ^2/NDF: 9600719.7/11



Right In: -618.838+/-363.924 χ^2/NDF: 12.7/31

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 129.301+/-358.850 χ^2/NDF: 36.3/34

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

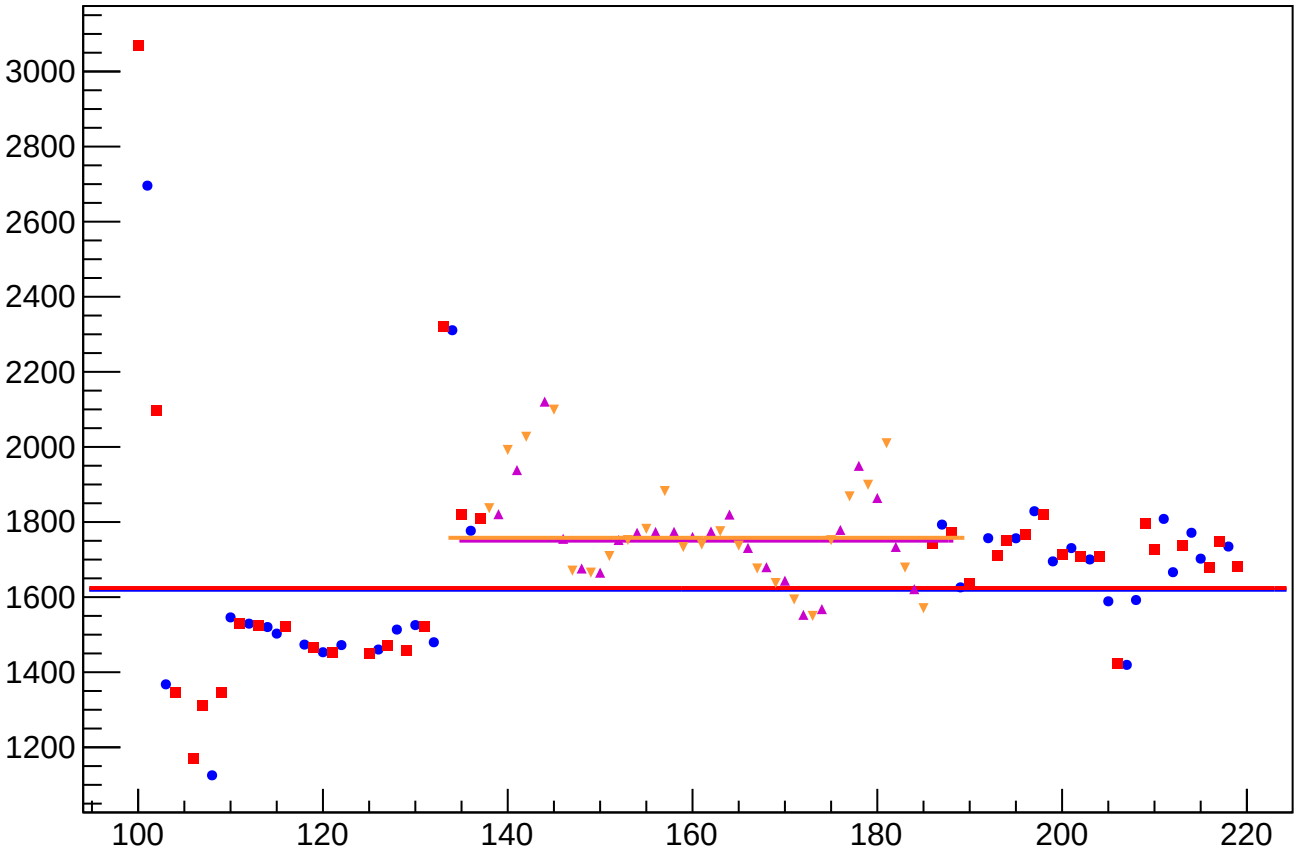
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -239.517+/-255.520 χ^2/NDF: 51.2/66

In: -727.754+/-272.183 χ^2/NDF:28.0/54

Out: 600.933+/-269.911 χ^2/NDF:88.8/58

All: -57.841+/-191.654 χ^2/NDF: 128.8/113



Right In: 1619.683+/-0.257 χ^2/NDF: 683823.9/31

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

Right Out: 1624.242+/-0.254 χ^2/NDF: 583057.8/34

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

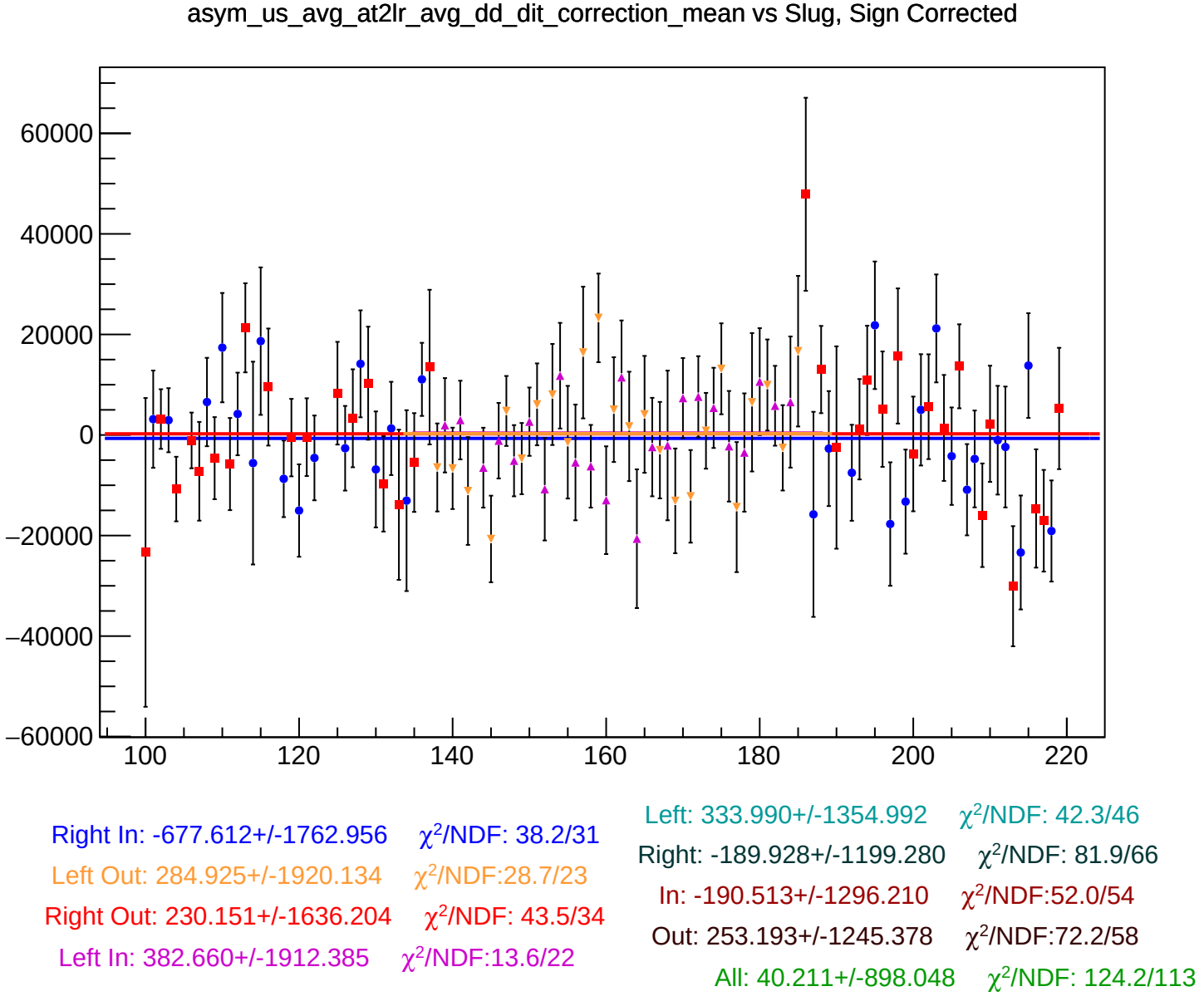
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

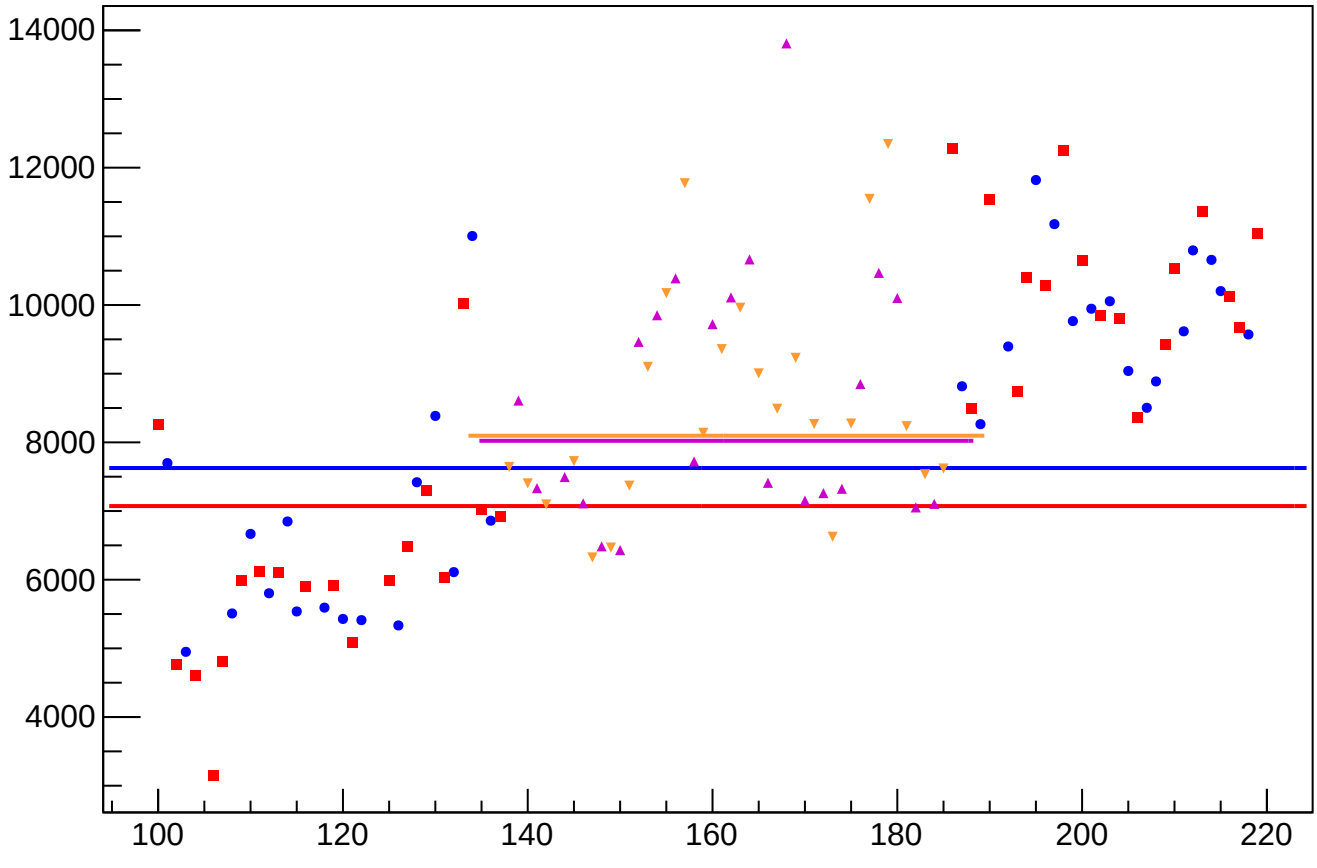
Right: 1621.995+/-0.181 χ^2/NDF: 1267040.8/66

In: 1677.315+/-0.192 χ^2/NDF:969542.5/54

Out: 1682.305+/-0.191 χ^2/NDF:916960.4/58

All: 1679.831+/-0.136 χ^2/NDF: 1886841.9/11


asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
220
Right In: -677.612+/-1762.956 χ²/NDF: 38.2/31
Left Out: 284.925+/-1920.134 χ²/NDF:28.7/23
Right Out: 230.151+/-1636.204 χ²/NDF: 43.5/34
Left In: 382.660+/-1912.385 χ²/NDF:13.6/22
Left: 333.990+/-1354.992 χ²/NDF: 42.3/46
Right: -189.928+/-1199.280 χ²/NDF: 81.9/66
In: -190.513+/-1296.210 χ²/NDF:52.0/54
Out: 253.193+/-1245.378 χ²/NDF:72.2/58
All: 40.211+/-898.048 χ²/NDF: 124.2/113



Right In: 7626.387+/-1.247 χ^2/NDF: 2710427.6/31

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 7072.185+/-1.157 χ^2/NDF: 4658527.2/34

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

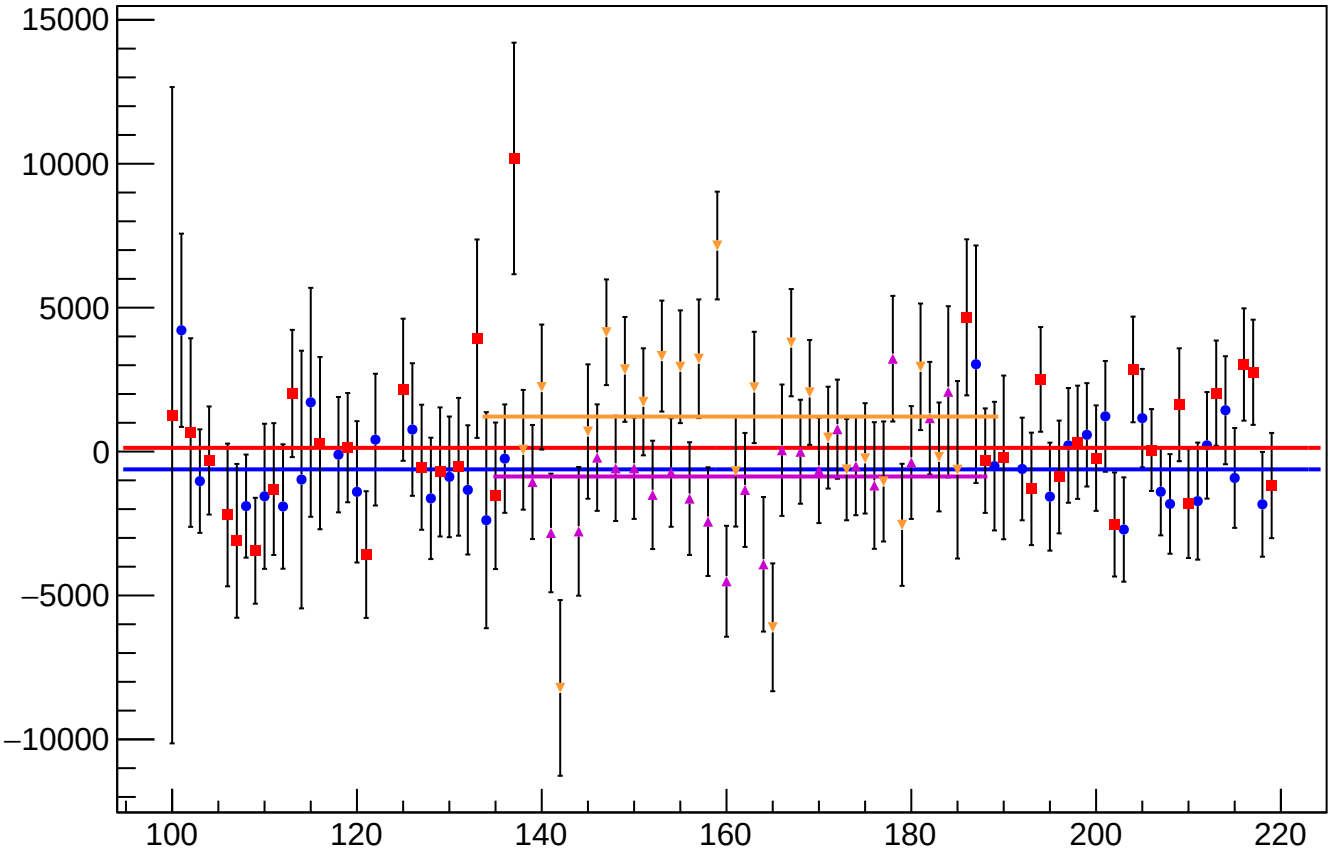
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 7328.649+/-0.848 χ^2/NDF: 7475136.7/66

In: 7808.469+/-0.917 χ^2/NDF:3982415.5/54

Out: 7503.216+/-0.881 χ^2/NDF:6076257.2/58

All: 7649.740+/-0.635 χ^2/NDF: 10116348.9/1



Right In: -618.833+/-363.924 χ^2/NDF: 12.7/31

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 129.302+/-358.850 χ^2/NDF: 36.3/34

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

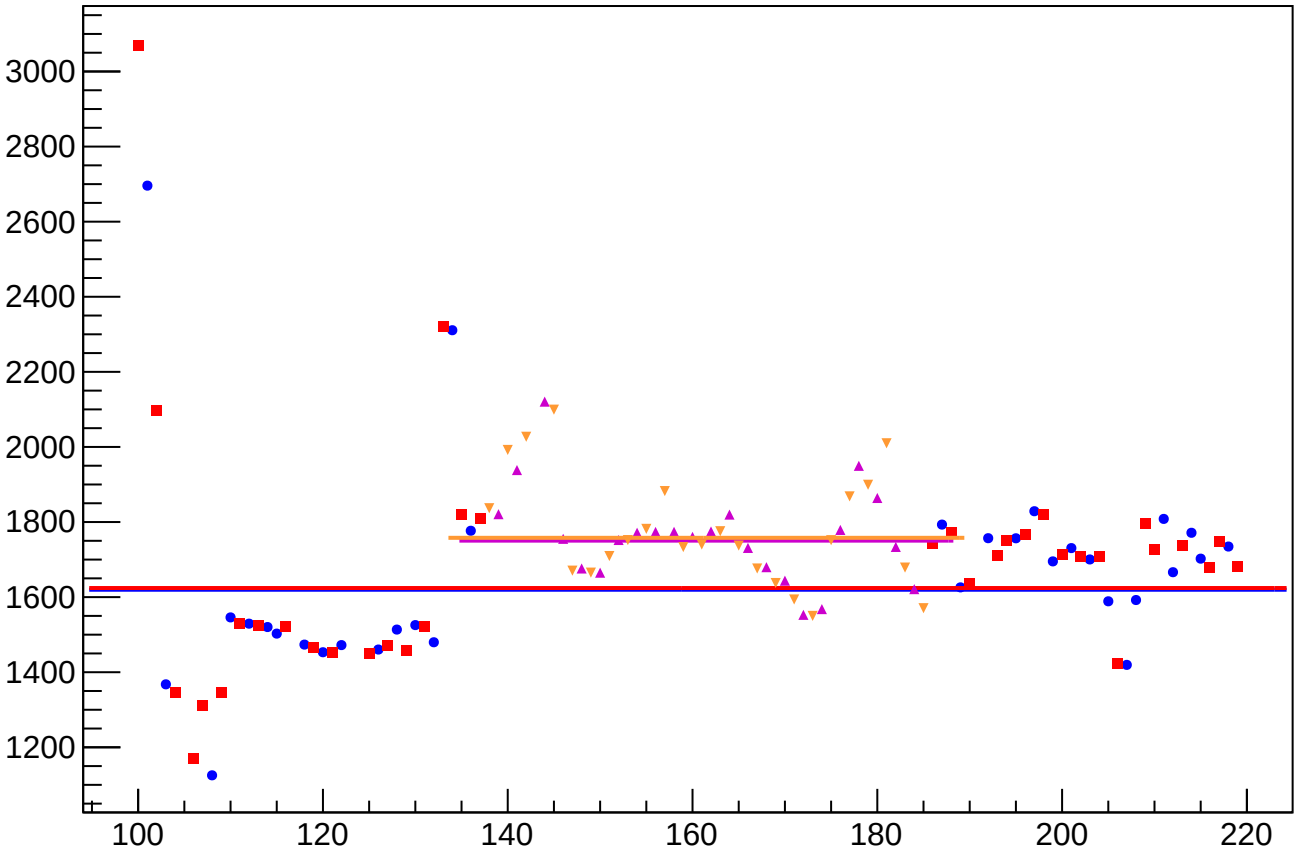
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -239.514+/-255.520 χ^2/NDF: 51.2/66

In: -727.751+/-272.183 χ^2/NDF:28.0/54

Out: 600.937+/-269.911 χ^2/NDF:88.8/58

All: -57.838+/-191.654 χ^2/NDF: 128.8/113



Right In: 1619.684+/-0.257 χ^2/NDF: 683824.0/31

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1624.242+/-0.254 χ^2/NDF: 583058.8/34

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

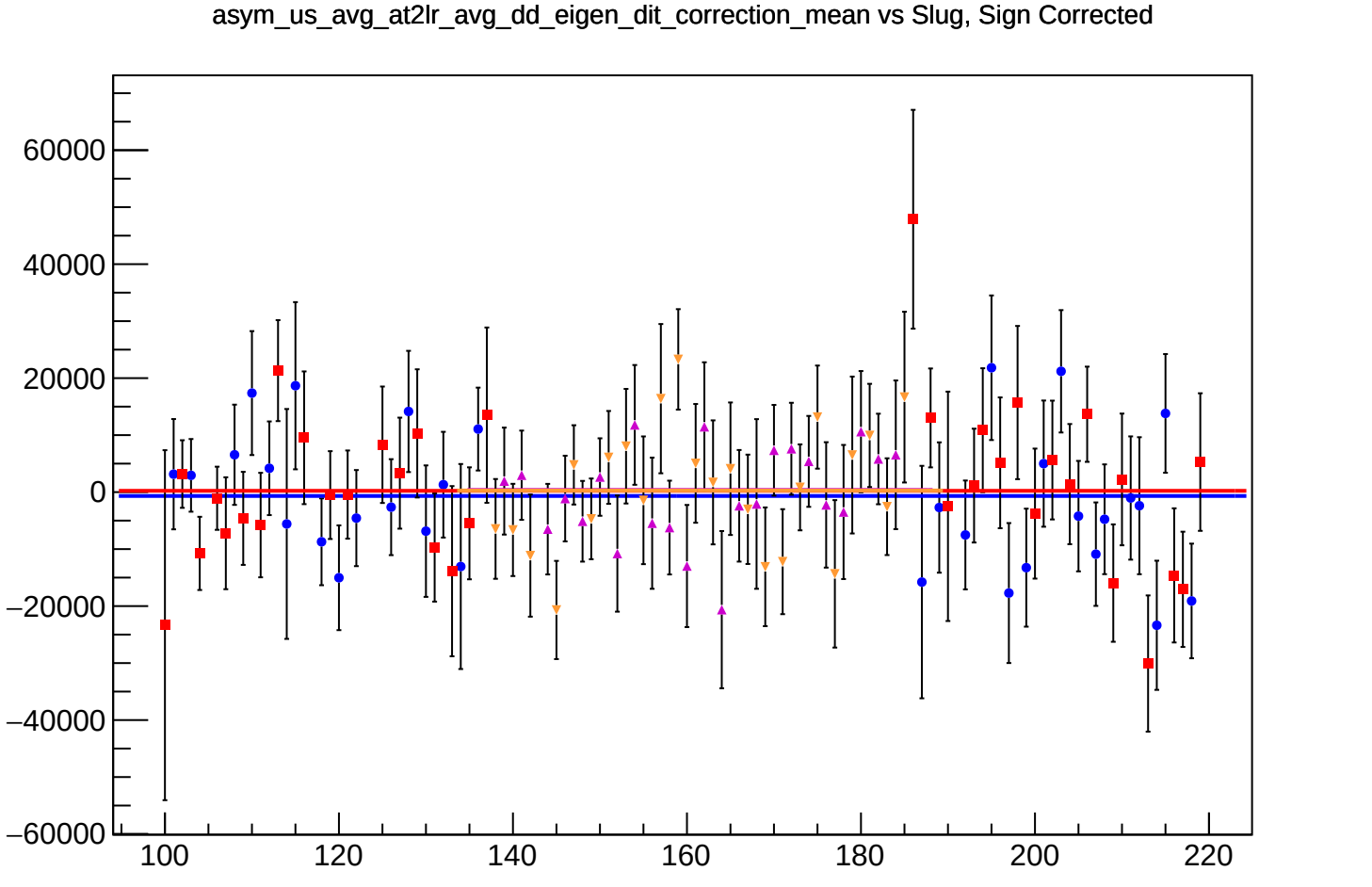
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1621.995+/-0.181 χ^2/NDF: 1267041.9/66

In: 1677.316+/-0.192 χ^2/NDF:969555.1/54

Out: 1682.307+/-0.191 χ^2/NDF:916974.1/58

All: 1679.832+/-0.136 χ^2/NDF: 1886868.2/11



Right In: -677.617+/-1762.955 χ^2/NDF: 38.2/31

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 230.143+/-1636.203 χ^2/NDF: 43.5/34

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

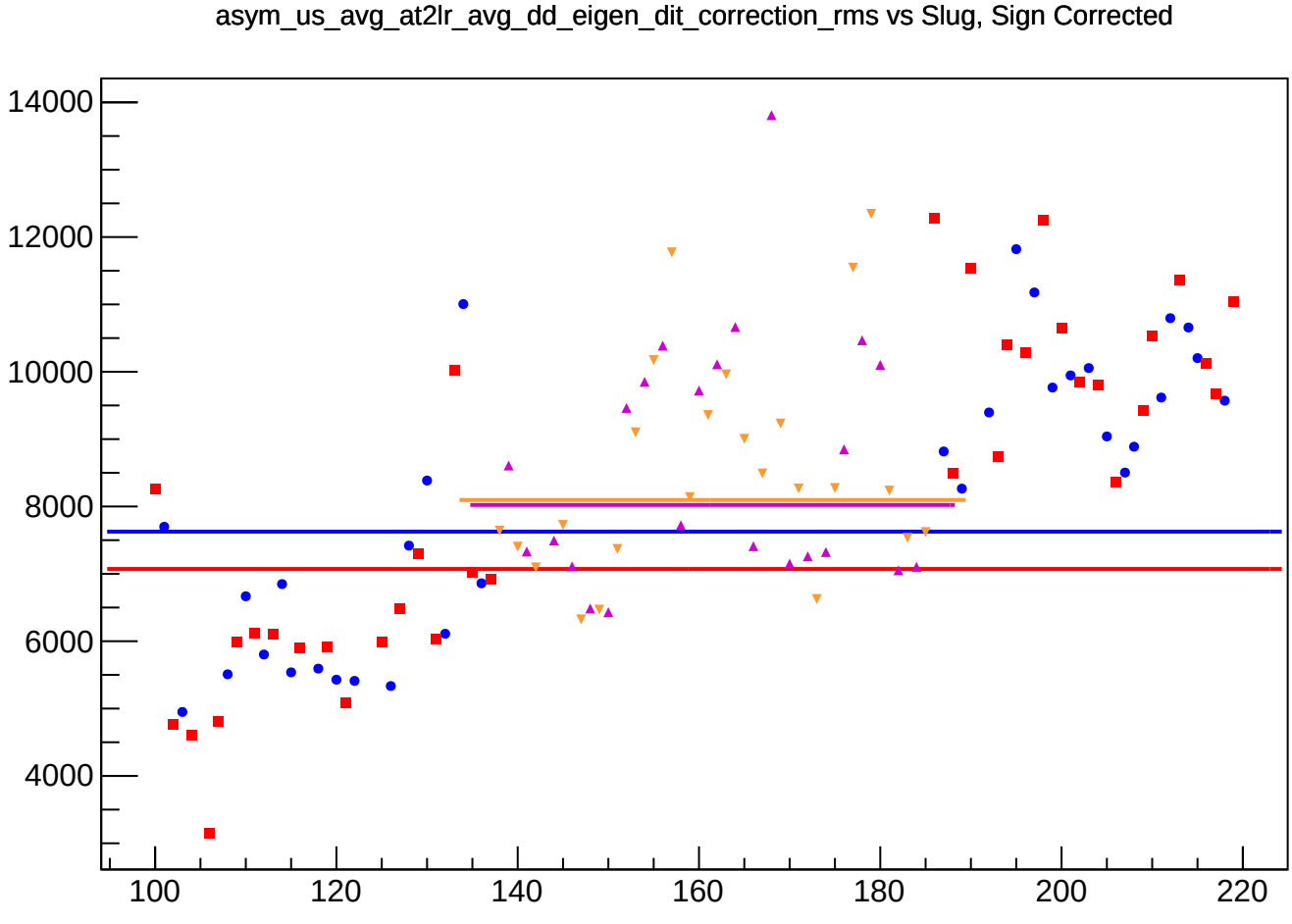
Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

Right: -189.934+/-1199.279 χ^2/NDF: 81.9/66

In: -190.515+/-1296.211 χ^2/NDF:52.0/54

Out: 253.189+/-1245.379 χ^2/NDF:72.2/58

All: 40.208+/-898.049 χ^2/NDF: 124.2/113



Right In: 7626.380+/-1.247 χ^2/NDF: 2710464.0/31

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 7072.176+/-1.157 χ^2/NDF: 4658564.0/34

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

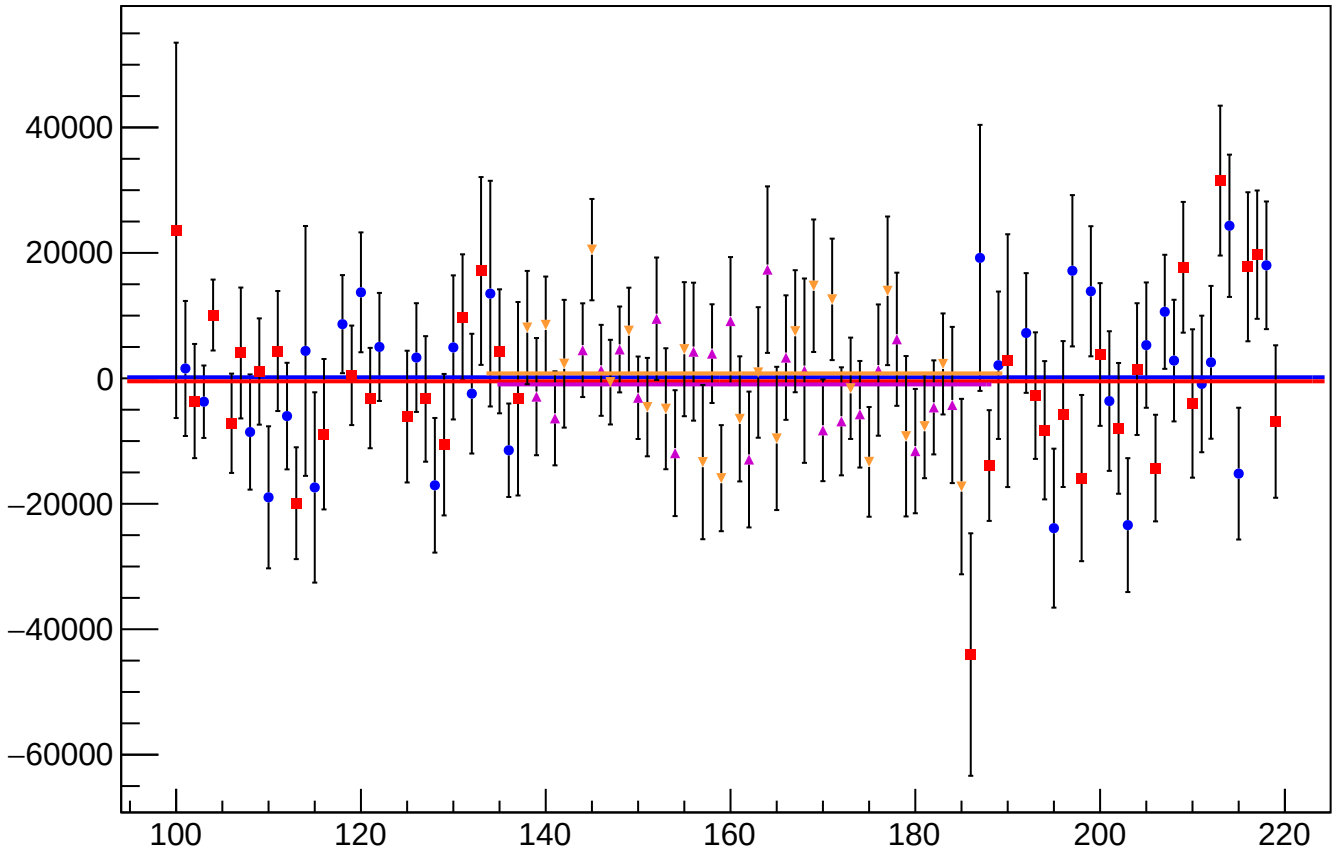
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 7328.641+/-0.848 χ^2/NDF: 7475210.8/66

In: 7808.470+/-0.917 χ^2/NDF:3982460.7/54

Out: 7503.215+/-0.881 χ^2/NDF:6076310.0/58

All: 7649.740+/-0.635 χ^2/NDF: 10116447.6/1



Right In: 168.143+/-1780.183 χ^2/NDF: 40.7/31

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -473.416+/-1722.581 χ^2/NDF: 44.4/34

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

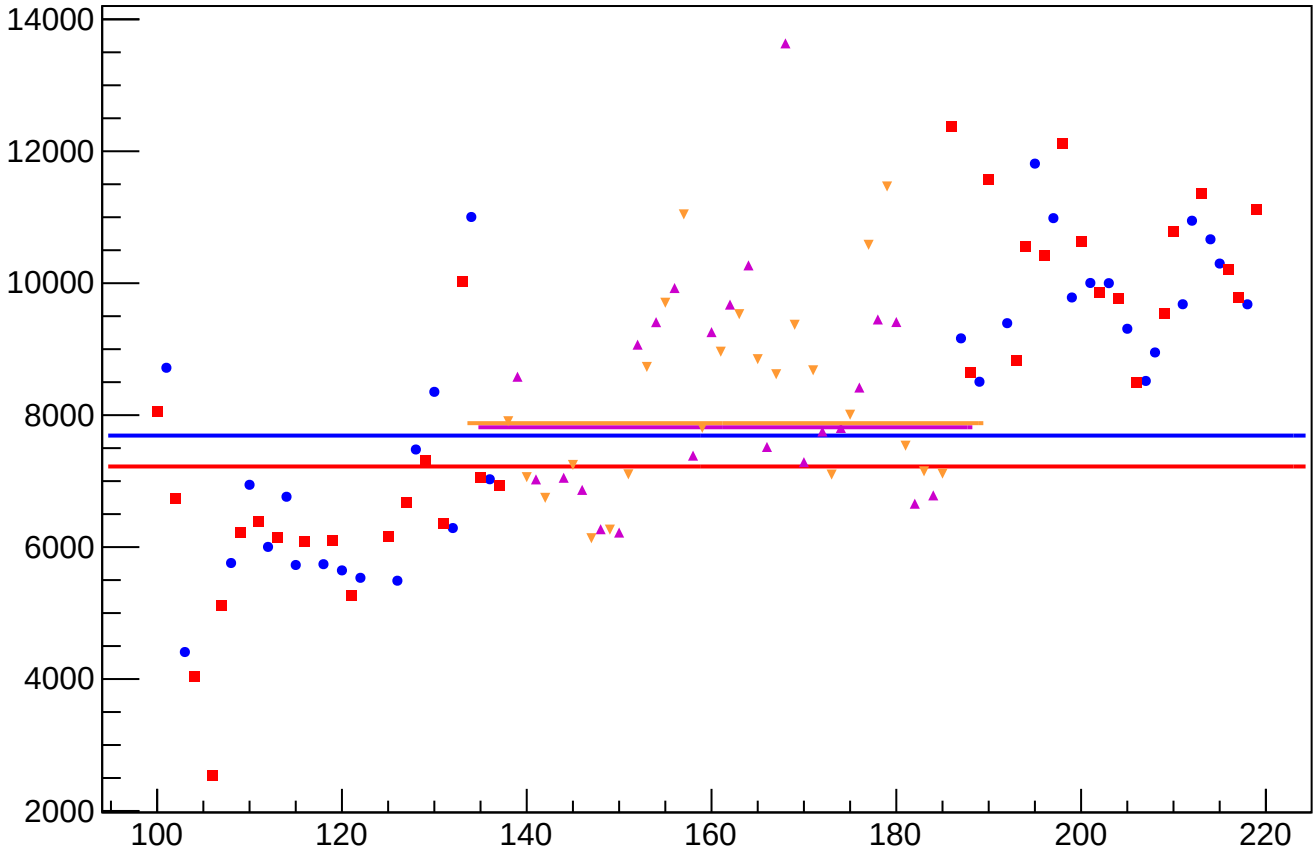
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -163.184+/-1237.912 χ^2/NDF: 85.2/66

In: -373.123+/-1286.046 χ^2/NDF:53.7/54

Out: 108.761+/-1265.440 χ^2/NDF:71.8/58

All: -128.290+/-901.999 χ^2/NDF: 125.6/113



Right In: 7690.336+/-1.259 χ^2/NDF: 2837634.6/31

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 7221.894+/-1.191 χ^2/NDF: 4848985.3/34

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

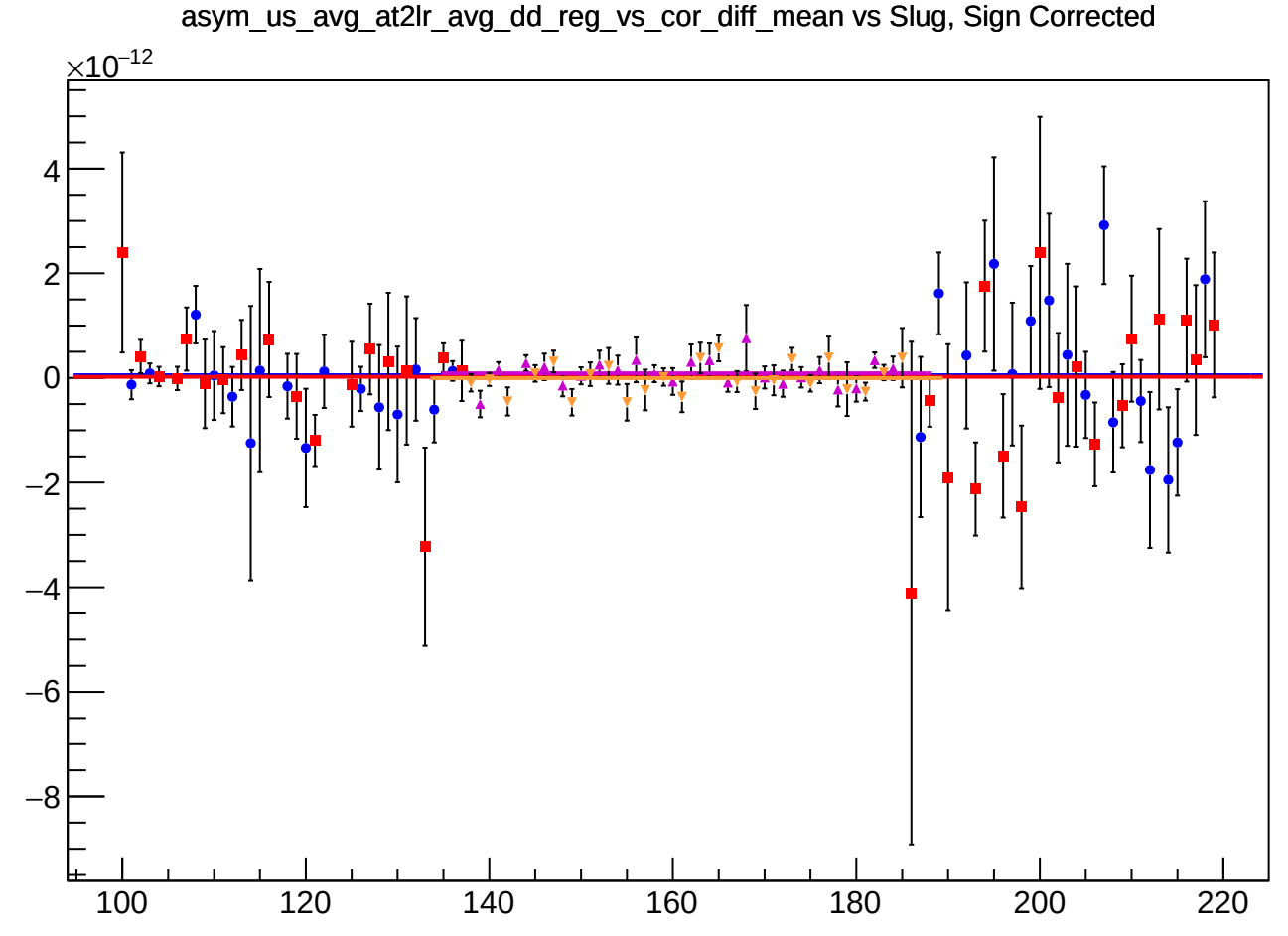
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 7443.234+/-0.865 χ^2/NDF: 7759672.7/66

In: 7750.630+/-0.909 χ^2/NDF:3974801.5/54

Out: 7516.928+/-0.884 χ^2/NDF:5975529.5/58

All: 7630.481+/-0.634 χ^2/NDF: 9984286.0/11



Right In: 0.000+/-0.000 χ^2/NDF: 31.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 37.2/34

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

Left: 0.000+/-0.000 χ^2/NDF: 50.1/46

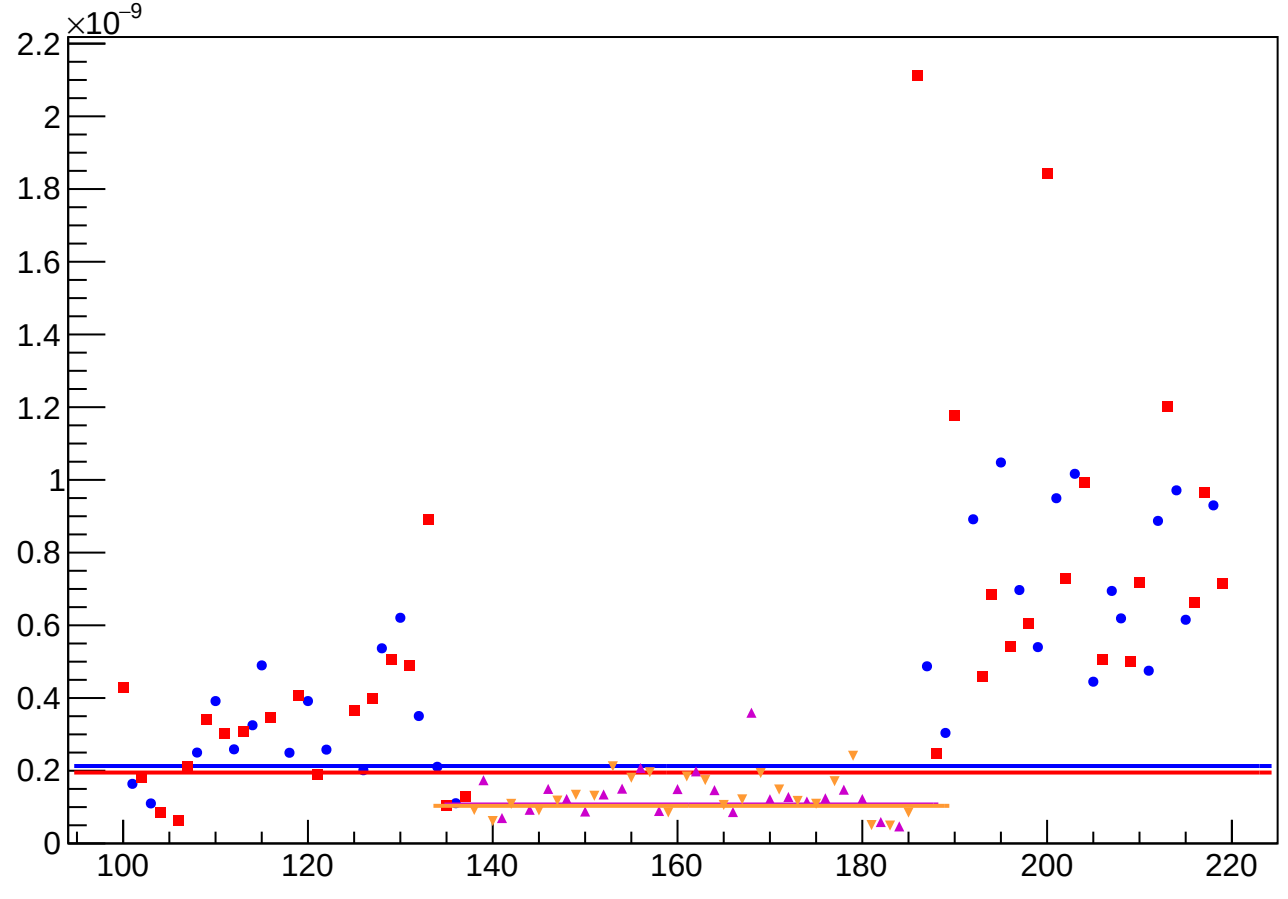
Right: 0.000+/-0.000 χ^2/NDF: 69.0/66

In: 0.000+/-0.000 χ^2/NDF:51.2/54

Out: 0.000+/-0.000 χ^2/NDF:65.9/58

All: 0.000+/-0.000 χ^2/NDF: 119.1/113

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6899202.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8700412.1/34

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

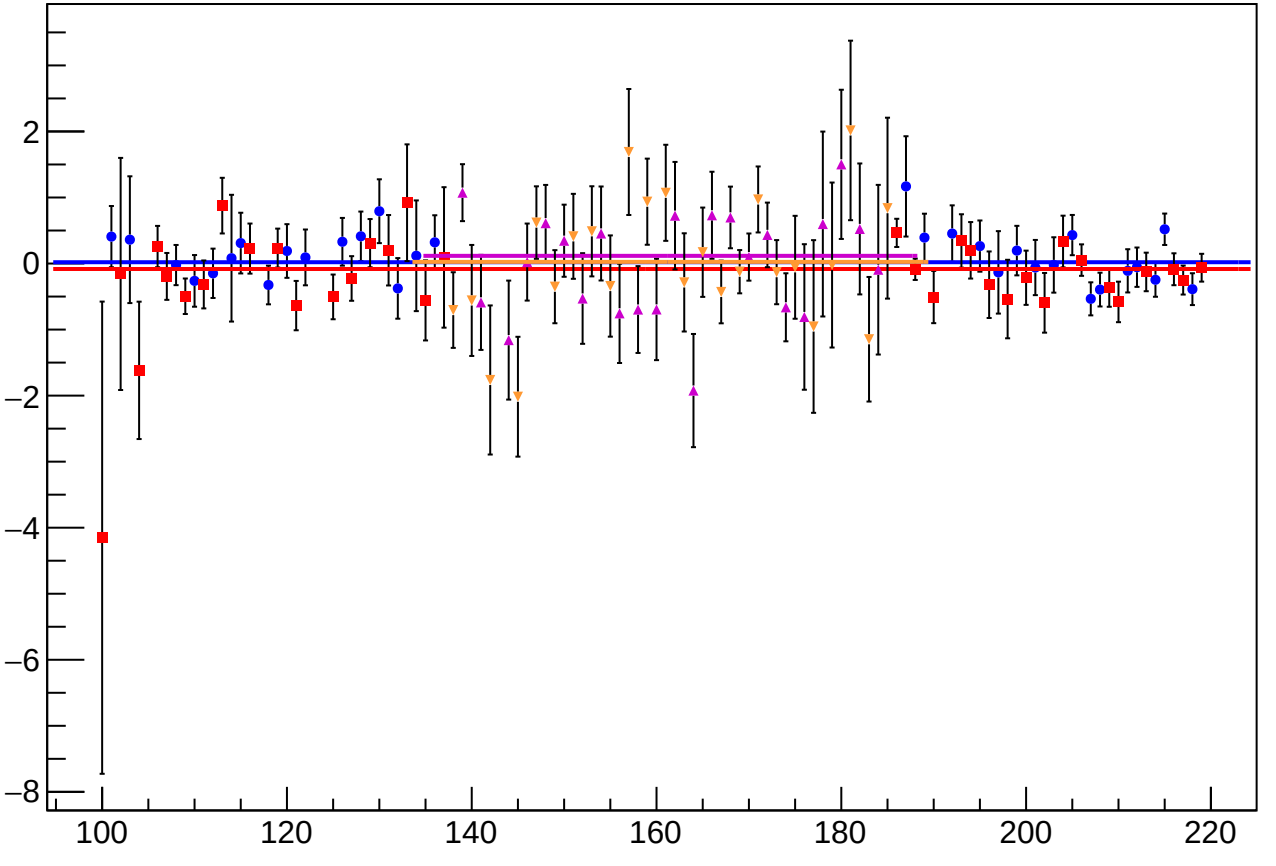
Right: 0.000+/-0.000 χ^2/NDF: 15634311.3/66

In: 0.000+/-0.000 χ^2/NDF:10437100.7/54

Out: 0.000+/-0.000 χ^2/NDF:12117603.3/58

All: 0.000+/-0.000 χ^2/NDF: 22578764.6/113

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.064 χ^2/NDF: 32.3/31

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.083+/-0.056 χ^2/NDF: 39.0/34

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

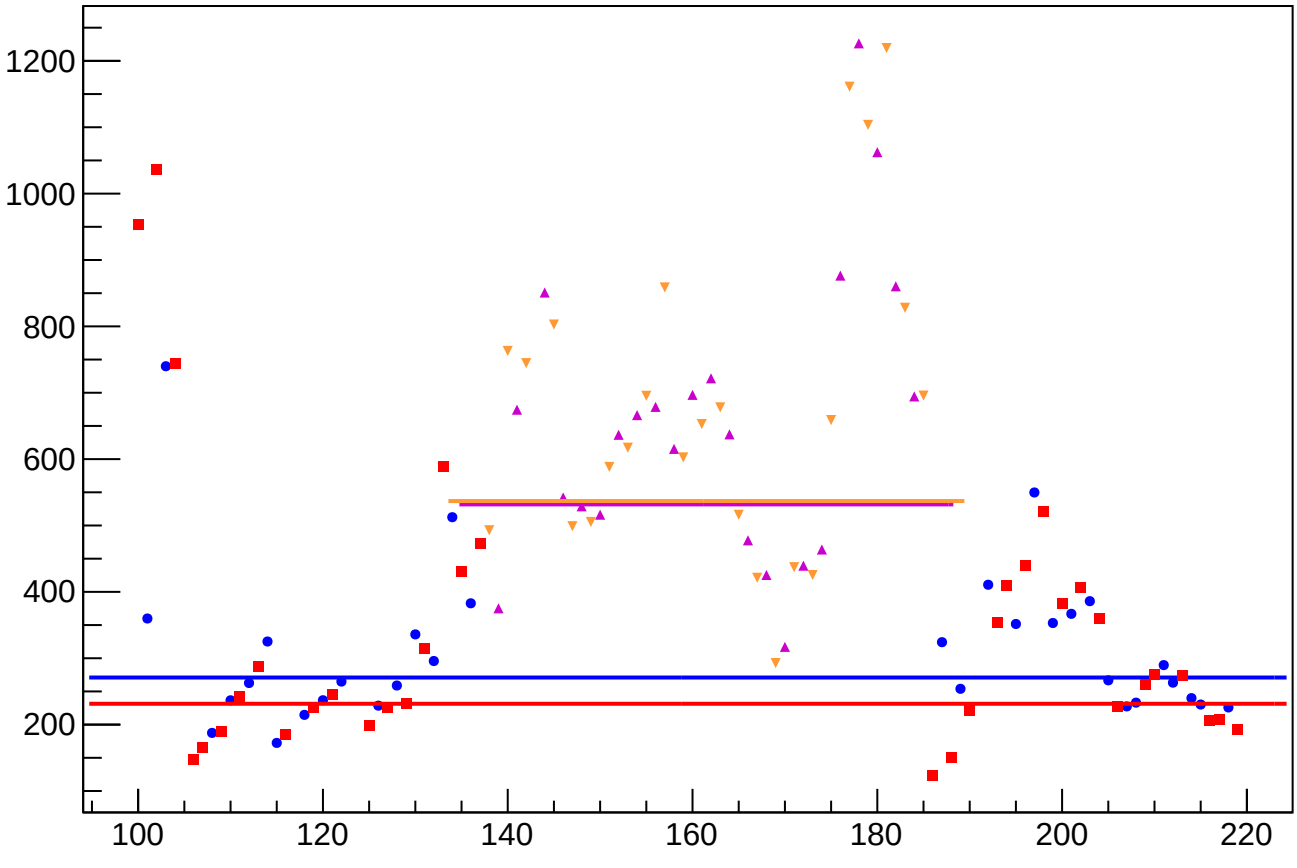
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: -0.038+/-0.042 χ^2/NDF: 72.7/66

In: 0.038+/-0.057 χ^2/NDF:60.5/54

Out: -0.067+/-0.052 χ^2/NDF:68.6/58

All: -0.020+/-0.038 χ^2/NDF: 130.9/113



Right In: 270.966+/-0.045 χ^2/NDF: 2626884.9/31

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 231.422+/-0.039 χ^2/NDF: 5406494.3/34

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

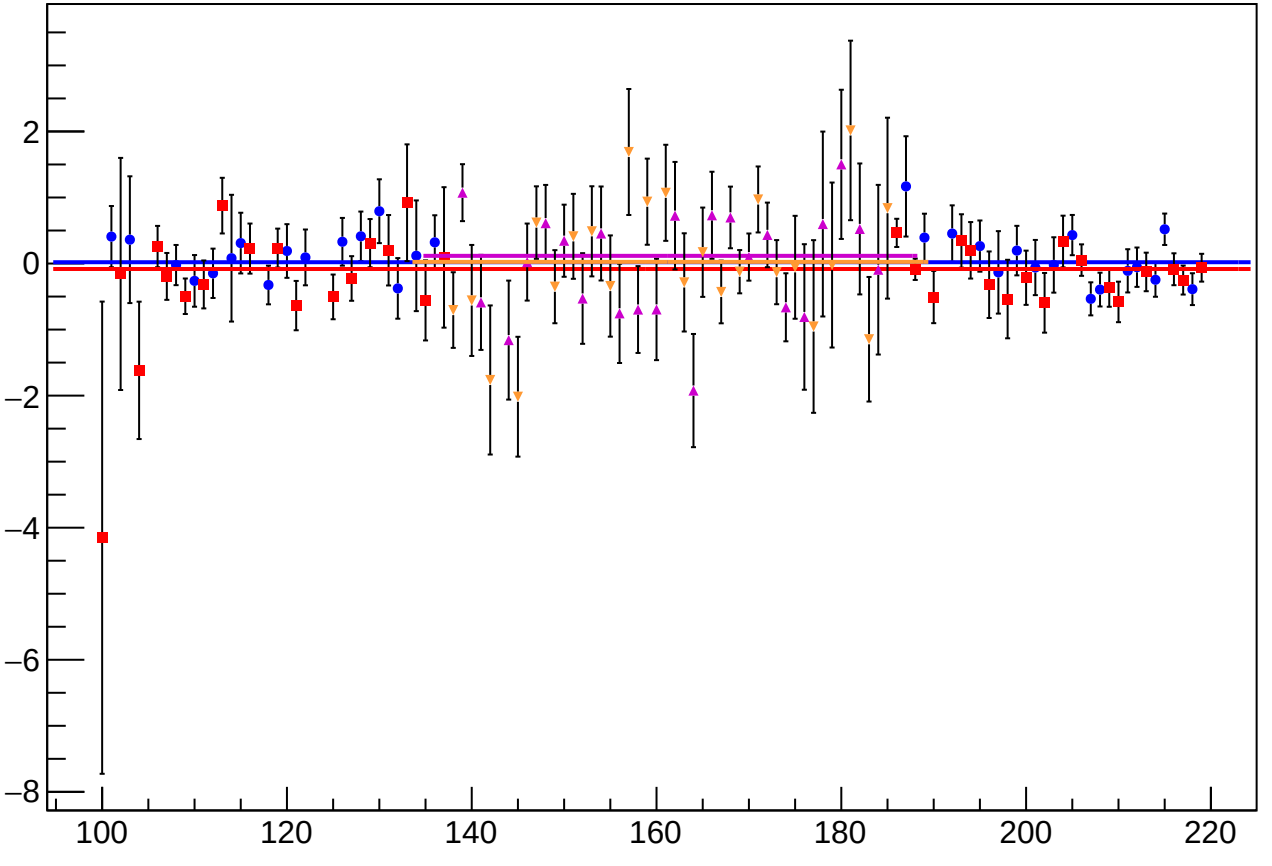
Right: 248.577+/-0.030 χ^2/NDF: 8468607.6/66

In: 320.055+/-0.041 χ^2/NDF:12301780.5/54

Out: 276.614+/-0.036 χ^2/NDF:18224923.9/58

All: 295.977+/-0.027 χ^2/NDF: 31160109.3/11

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.064 χ^2/NDF: 32.3/31

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.083+/-0.056 χ^2/NDF: 39.0/34

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

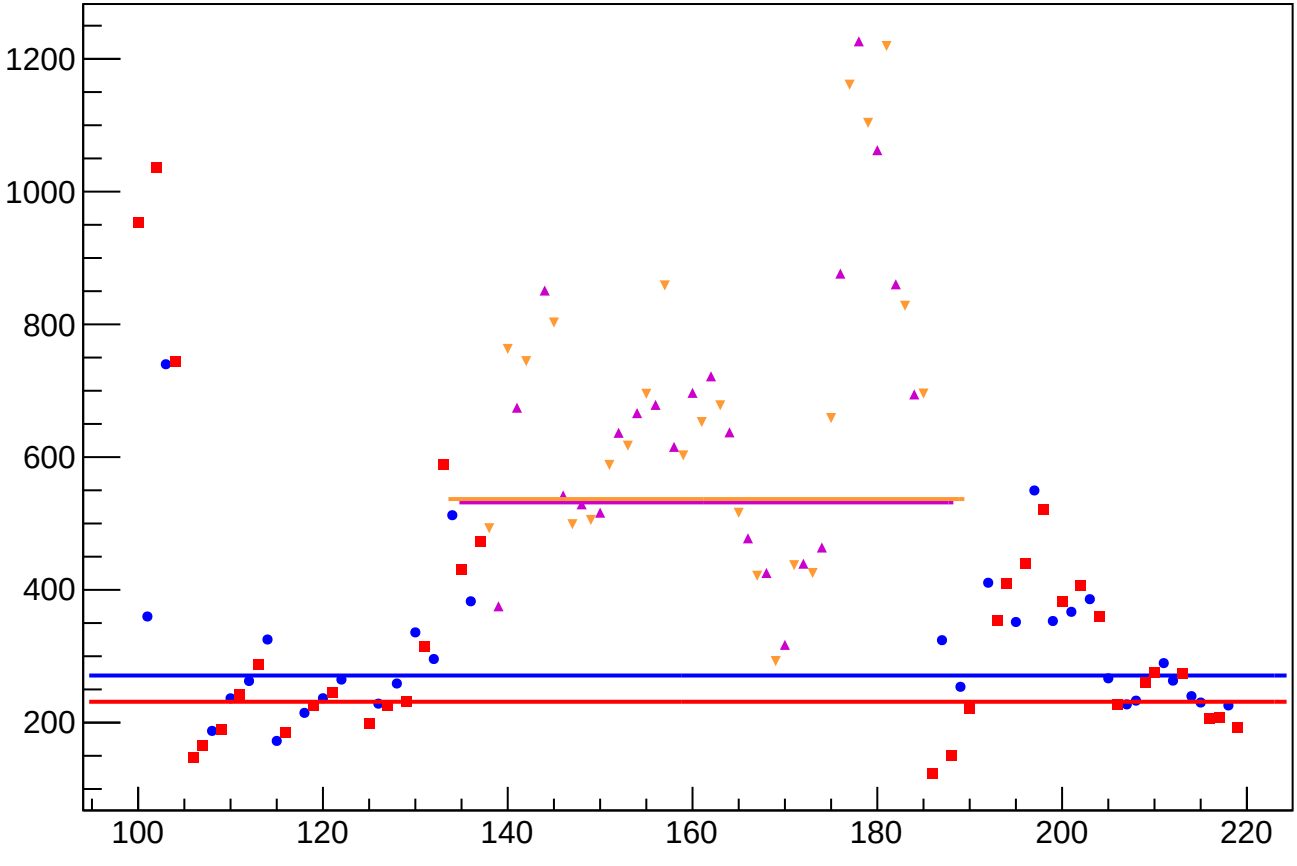
Right: -0.038+/-0.042 χ^2/NDF: 72.7/66

In: 0.038+/-0.057 χ^2/NDF:60.5/54

Out: -0.067+/-0.052 χ^2/NDF:68.6/58

All: -0.020+/-0.038 χ^2/NDF: 130.9/113

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 270.966+/-0.045 χ^2/NDF: 2626884.9/31

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 231.422+/-0.039 χ^2/NDF: 5406494.3/34

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

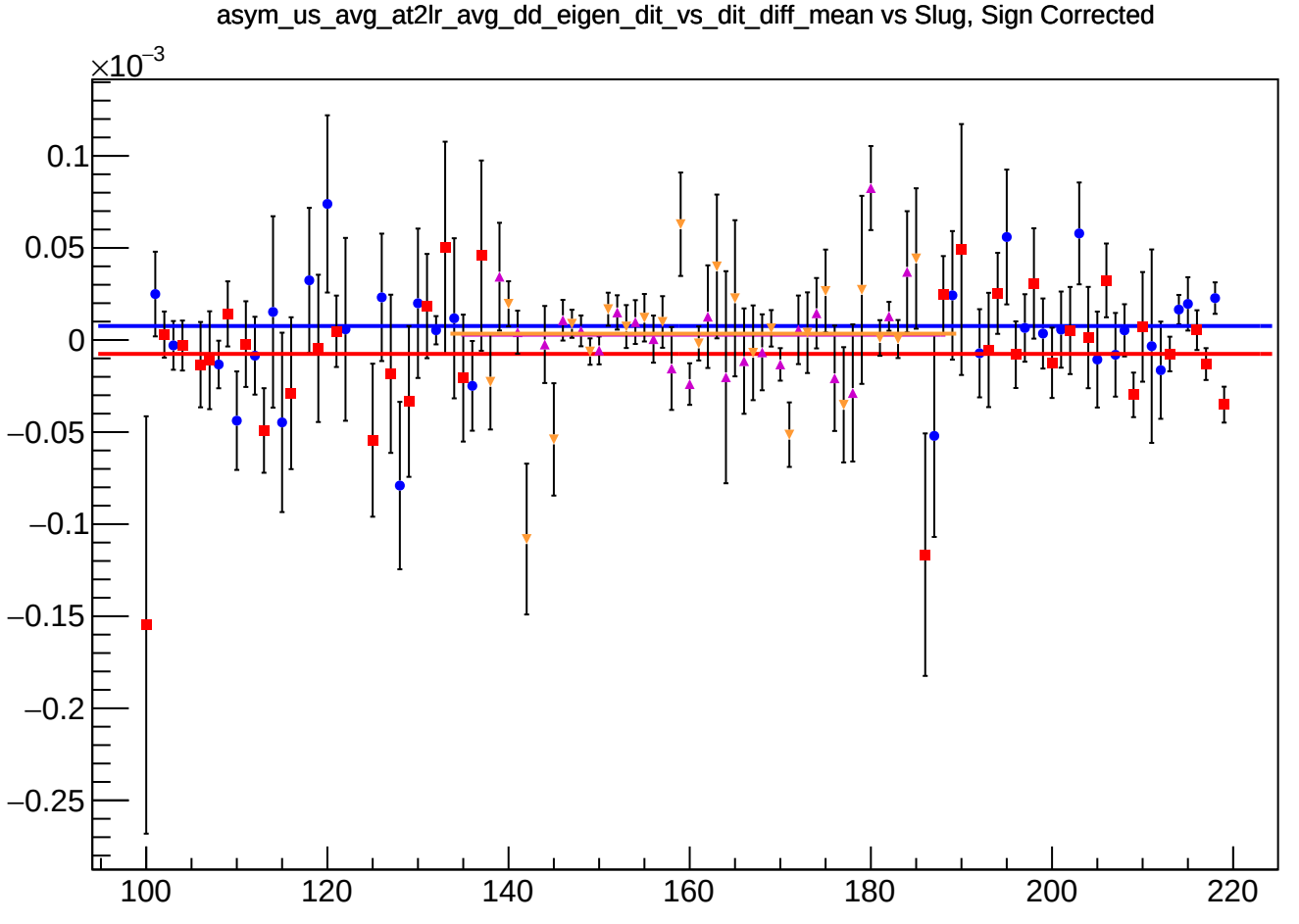
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 248.577+/-0.030 χ^2/NDF: 8468607.6/66

In: 320.055+/-0.041 χ^2/NDF:12301780.5/54

Out: 276.614+/-0.036 χ^2/NDF:18224923.9/58

All: 295.977+/-0.027 χ^2/NDF: 31160109.3/11



Right In: 0.000+/-0.000 χ^2/NDF: 31.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 40.4/34

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

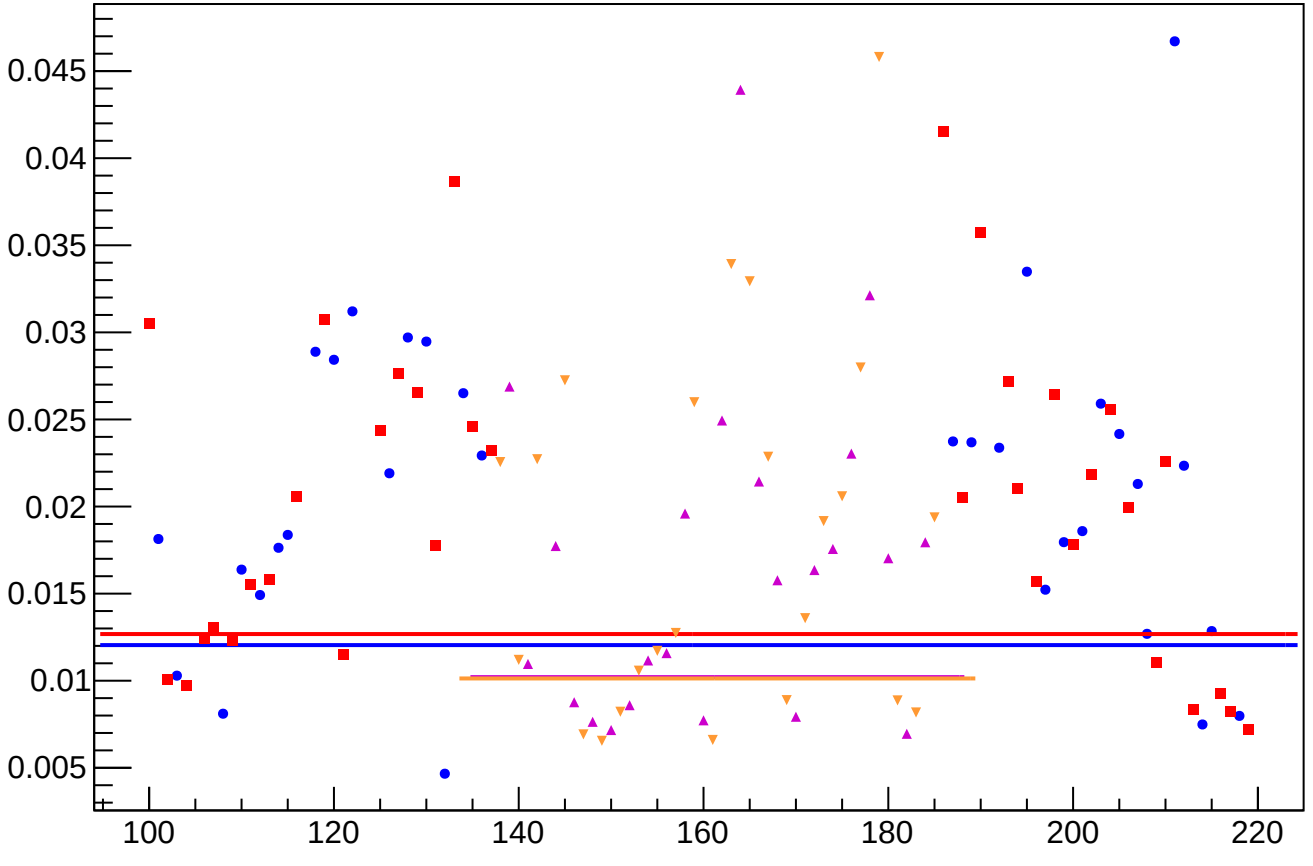
Right: -0.000+/-0.000 χ^2/NDF: 83.0/66

In: 0.000+/-0.000 χ^2/NDF:64.7/54

Out: -0.000+/-0.000 χ^2/NDF:86.4/58

All: 0.000+/-0.000 χ^2/NDF: 155.5/113

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 10170087.1/31

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.013+/-0.000 χ^2/NDF: 7488486.5/34

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

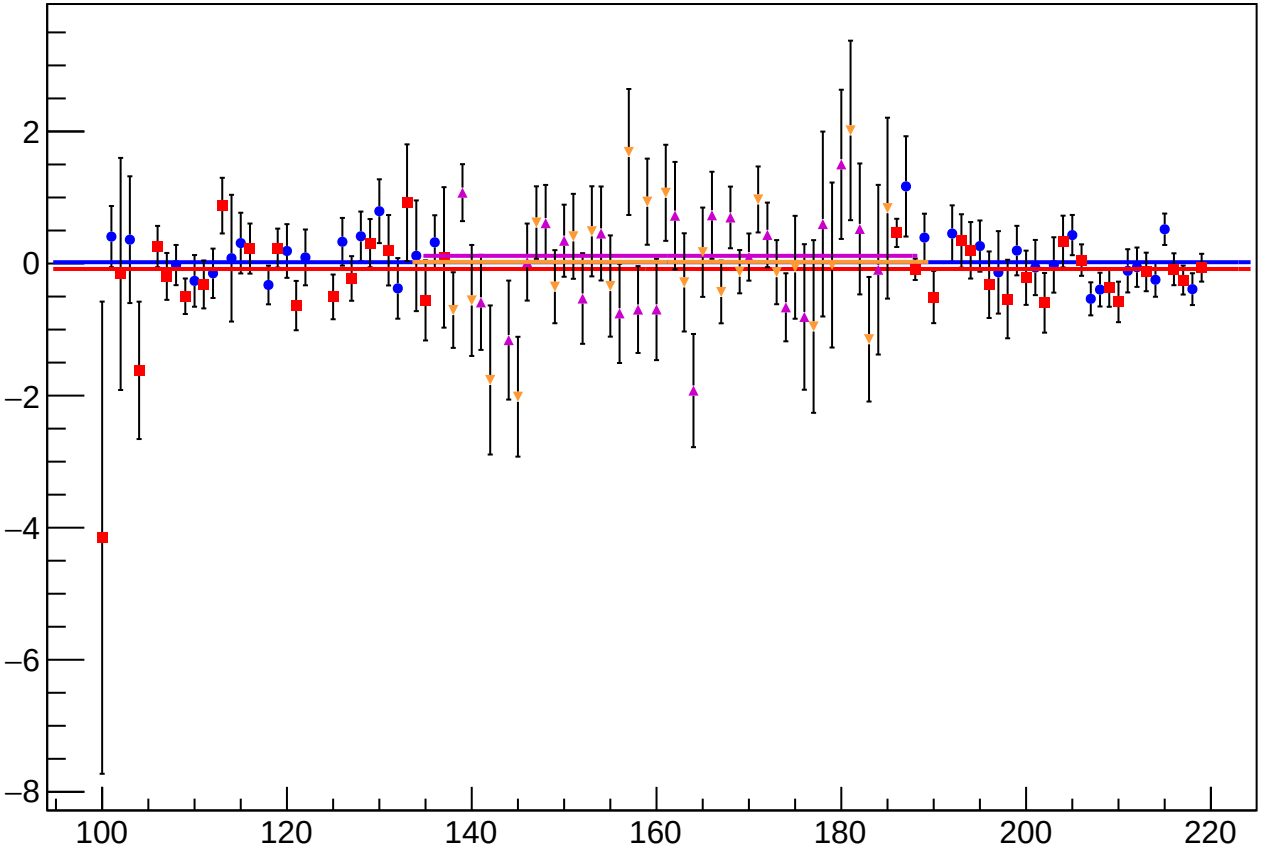
Right: 0.012+/-0.000 χ^2/NDF: 17698499.6/66

In: 0.011+/-0.000 χ^2/NDF:16623405.1/54

Out: 0.011+/-0.000 χ^2/NDF:16044428.5/58

All: 0.011+/-0.000 χ^2/NDF: 32680096.1/113

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.064 χ^2/NDF: 32.3/31

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.083+/-0.056 χ^2/NDF: 39.0/34

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

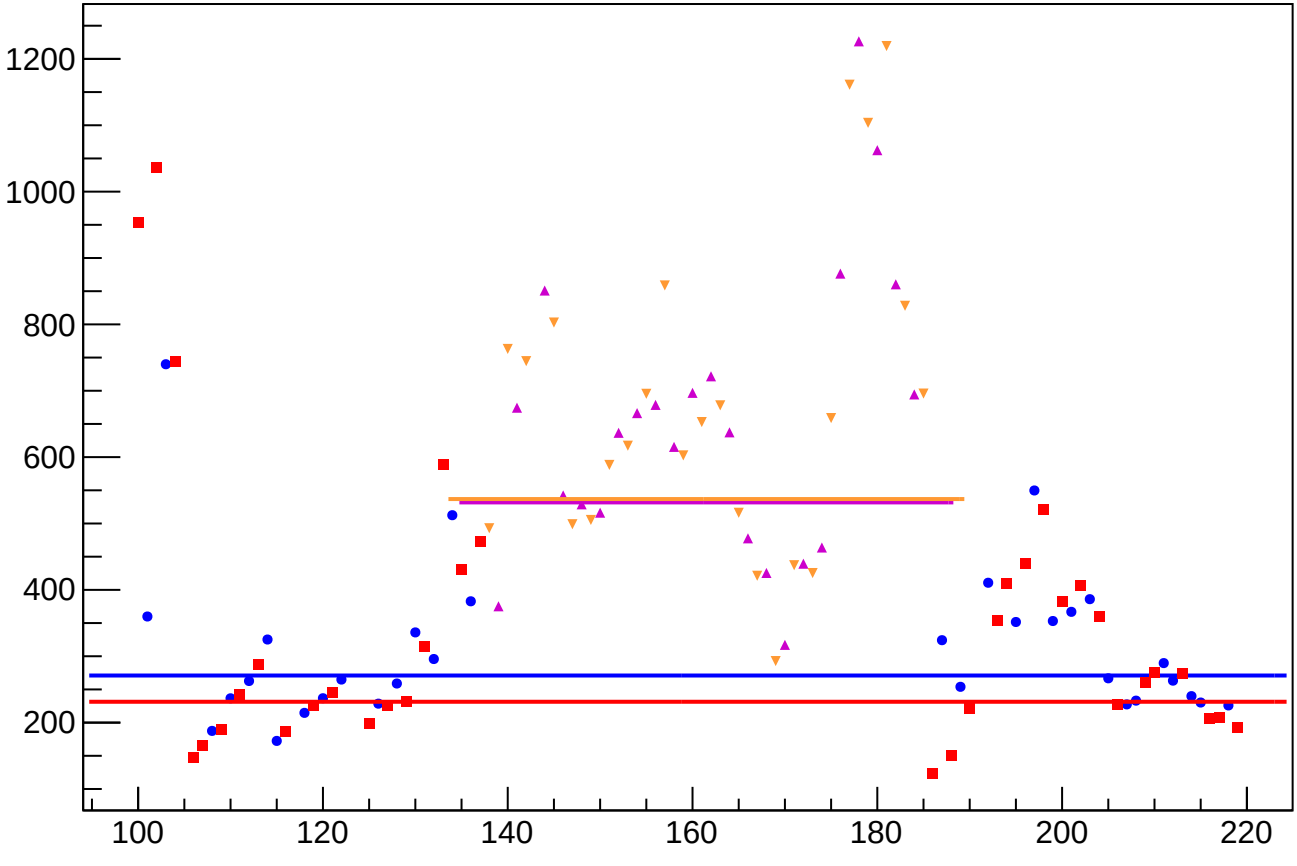
Right: -0.038+/-0.042 χ^2/NDF: 72.7/66

In: 0.038+/-0.057 χ^2/NDF:60.5/54

Out: -0.067+/-0.052 χ^2/NDF:68.6/58

All: -0.020+/-0.038 χ^2/NDF: 130.9/113

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 270.965+/-0.045 χ^2/NDF: 2626889.3/31

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 231.421+/-0.039 χ^2/NDF: 5406575.3/34

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

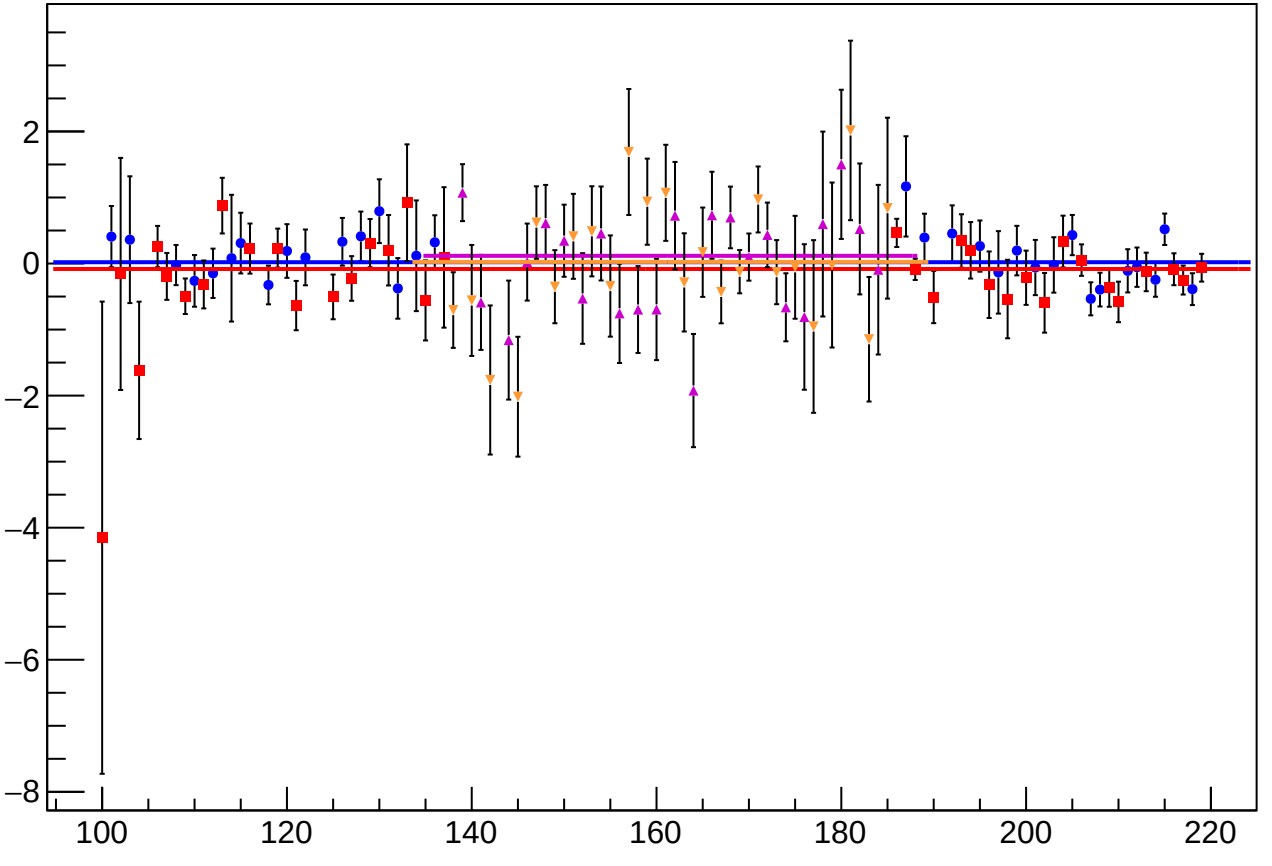
Right: 248.575+/-0.030 χ^2/NDF: 8468696.2/66

In: 320.054+/-0.041 χ^2/NDF:12302007.6/54

Out: 276.613+/-0.036 χ^2/NDF:18225230.5/58

All: 295.976+/-0.027 χ^2/NDF: 31160653.3/11

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.064 χ^2/NDF: 32.3/31

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.083+/-0.056 χ^2/NDF: 39.0/34

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

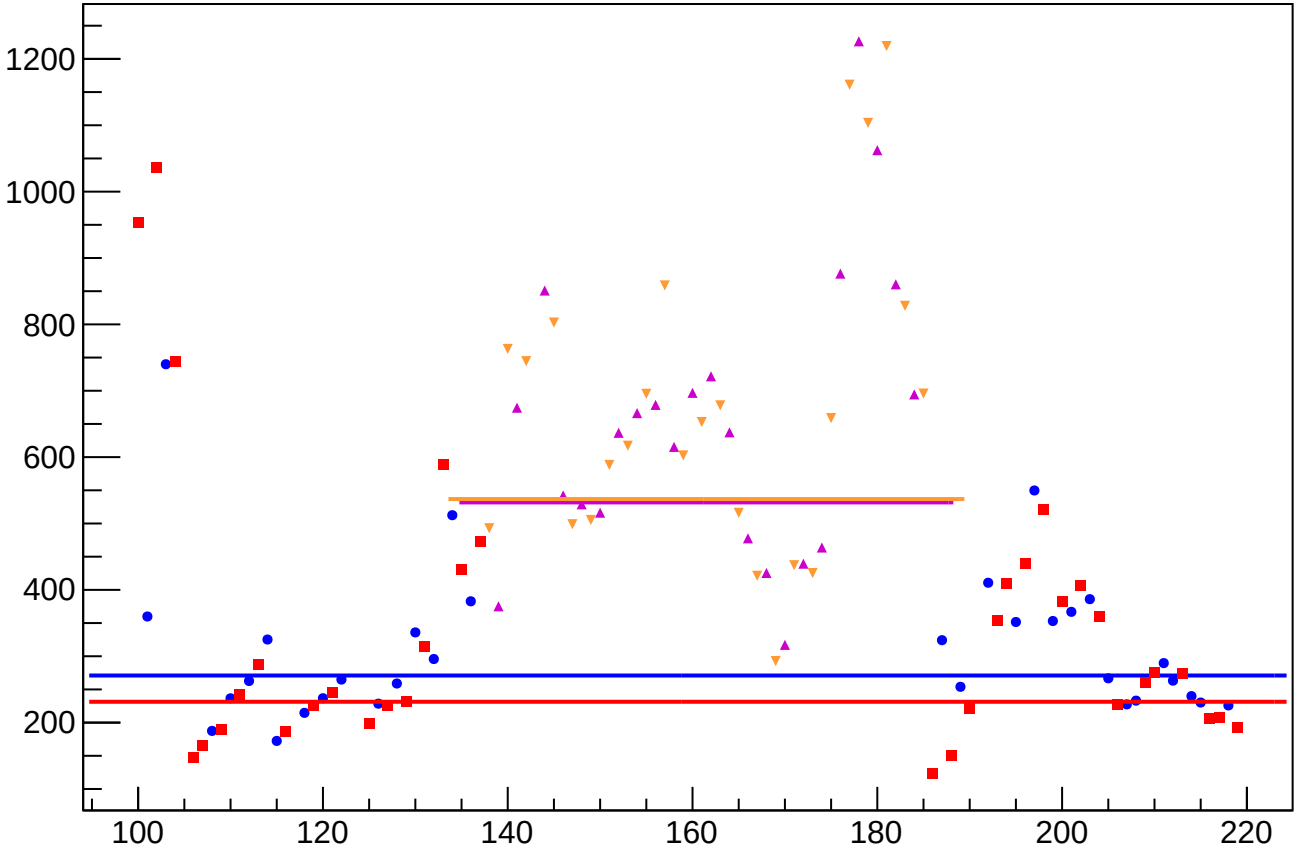
Right: -0.038+/-0.042 χ^2/NDF: 72.7/66

In: 0.038+/-0.057 χ^2/NDF:60.5/54

Out: -0.067+/-0.052 χ^2/NDF:68.6/58

All: -0.020+/-0.038 χ^2/NDF: 130.9/113

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 270.965+/-0.045 χ^2/NDF: 2626889.3/31

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 231.421+/-0.039 χ^2/NDF: 5406575.3/34

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

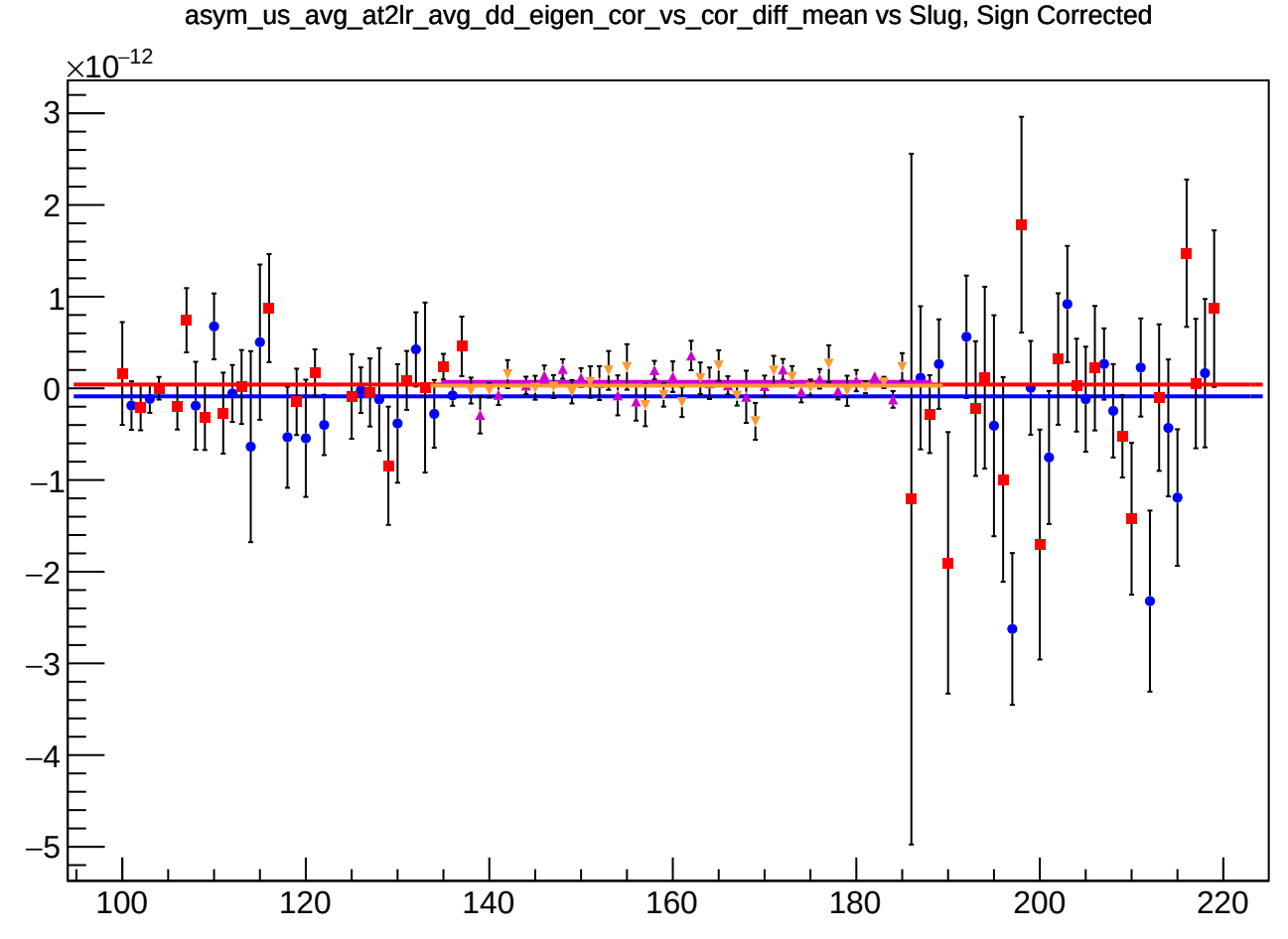
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 248.575+/-0.030 χ^2/NDF: 8468696.2/66

In: 320.054+/-0.041 χ^2/NDF:12302007.6/54

Out: 276.613+/-0.036 χ^2/NDF:18225230.5/58

All: 295.976+/-0.027 χ^2/NDF: 31160653.3/11



Right In: -0.000+/-0.000 χ^2/NDF: 33.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/34

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

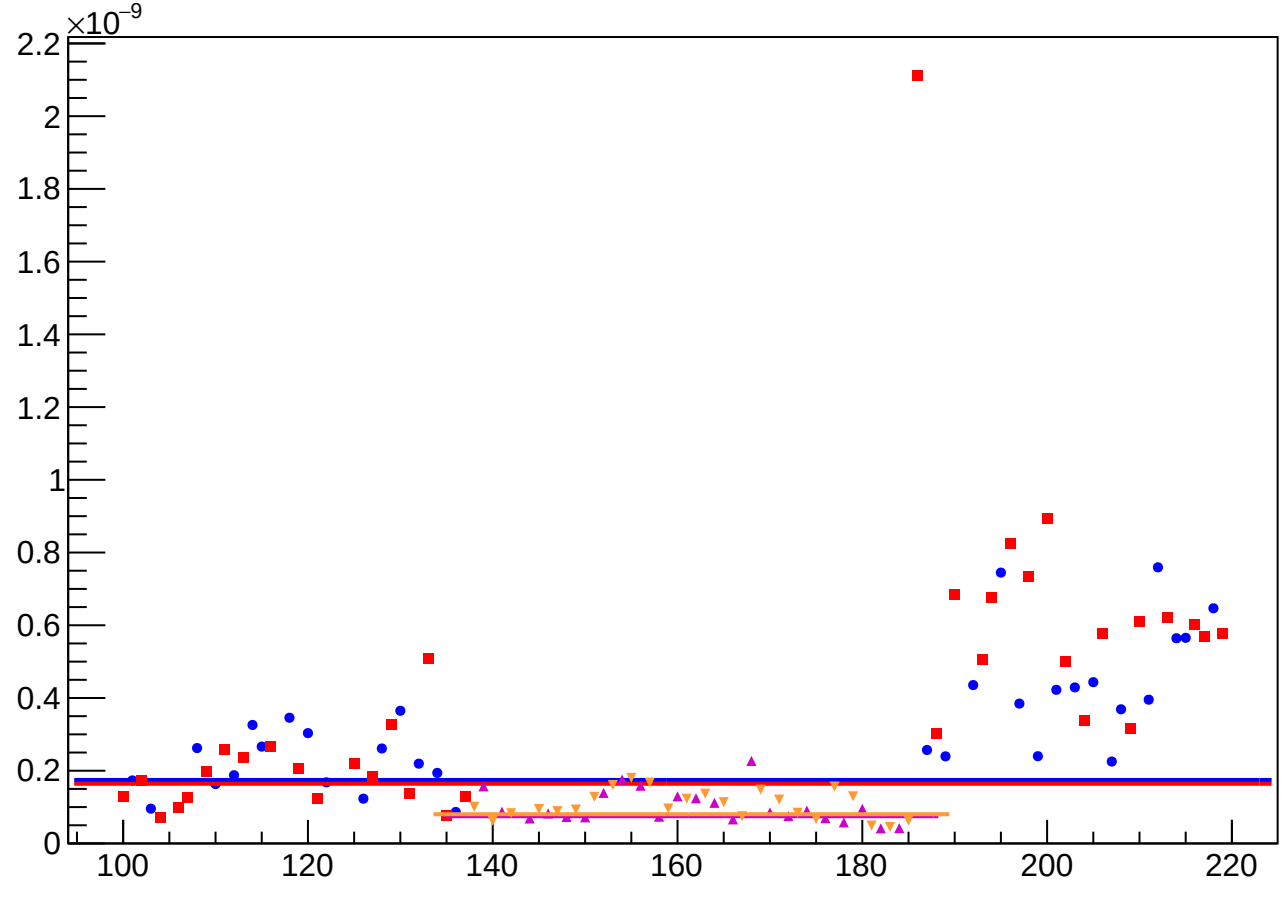
Right: -0.000+/-0.000 χ^2/NDF: 67.8/66

In: 0.000+/-0.000 χ^2/NDF:61.9/54

Out: 0.000+/-0.000 χ^2/NDF:50.3/58

All: 0.000+/-0.000 χ^2/NDF: 112.7/113

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: 7604791.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11280491.8/34

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

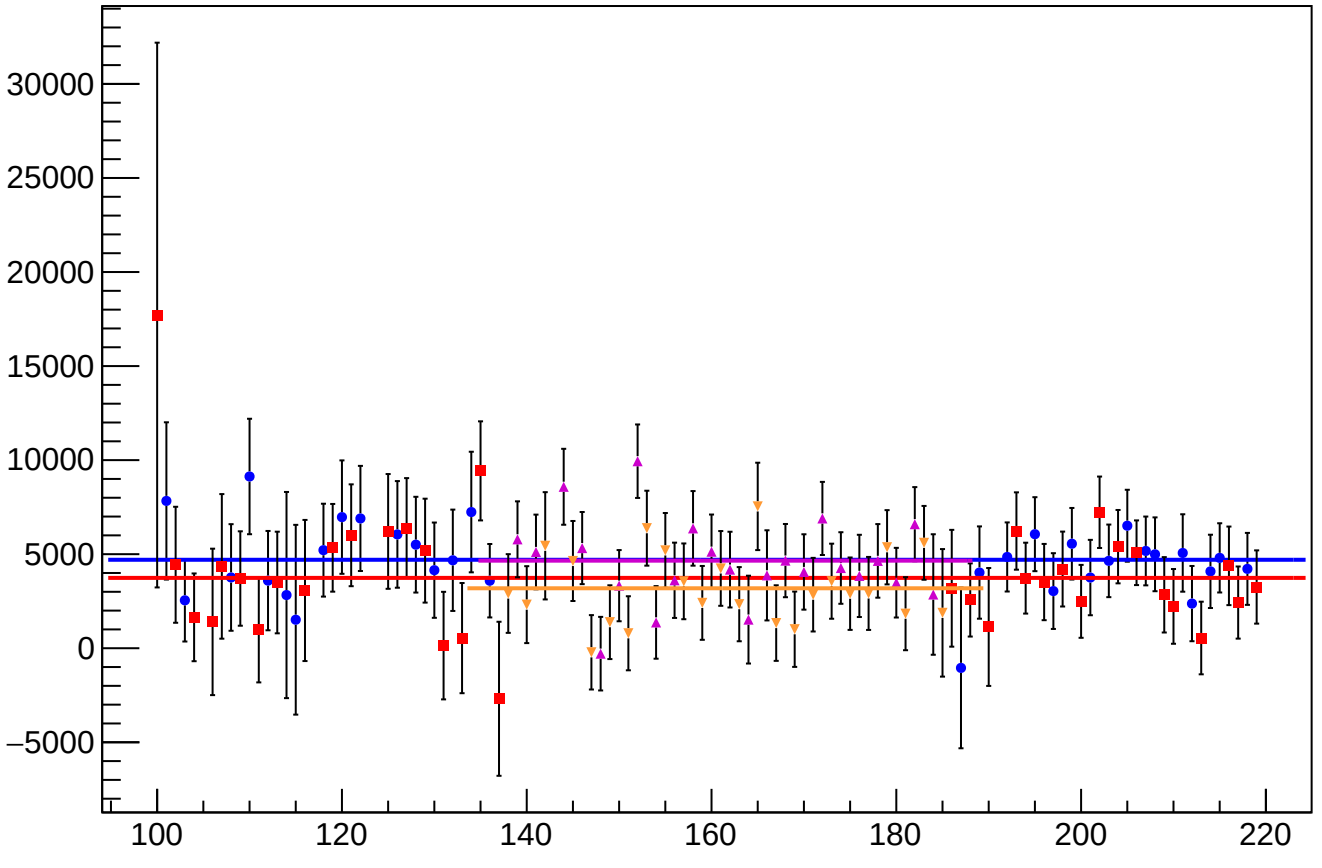
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 18914119.7/66

In: 0.000+/-0.000 χ^2/NDF:15677585.1/54

Out: 0.000+/-0.000 χ^2/NDF:18297831.1/58

All: 0.000+/-0.000 χ^2/NDF: 34032199.3/113



Right In: 4702.312+/-407.777 χ^2/NDF: 13.0/31

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 3739.195+/-400.638 χ^2/NDF: 28.1/34

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

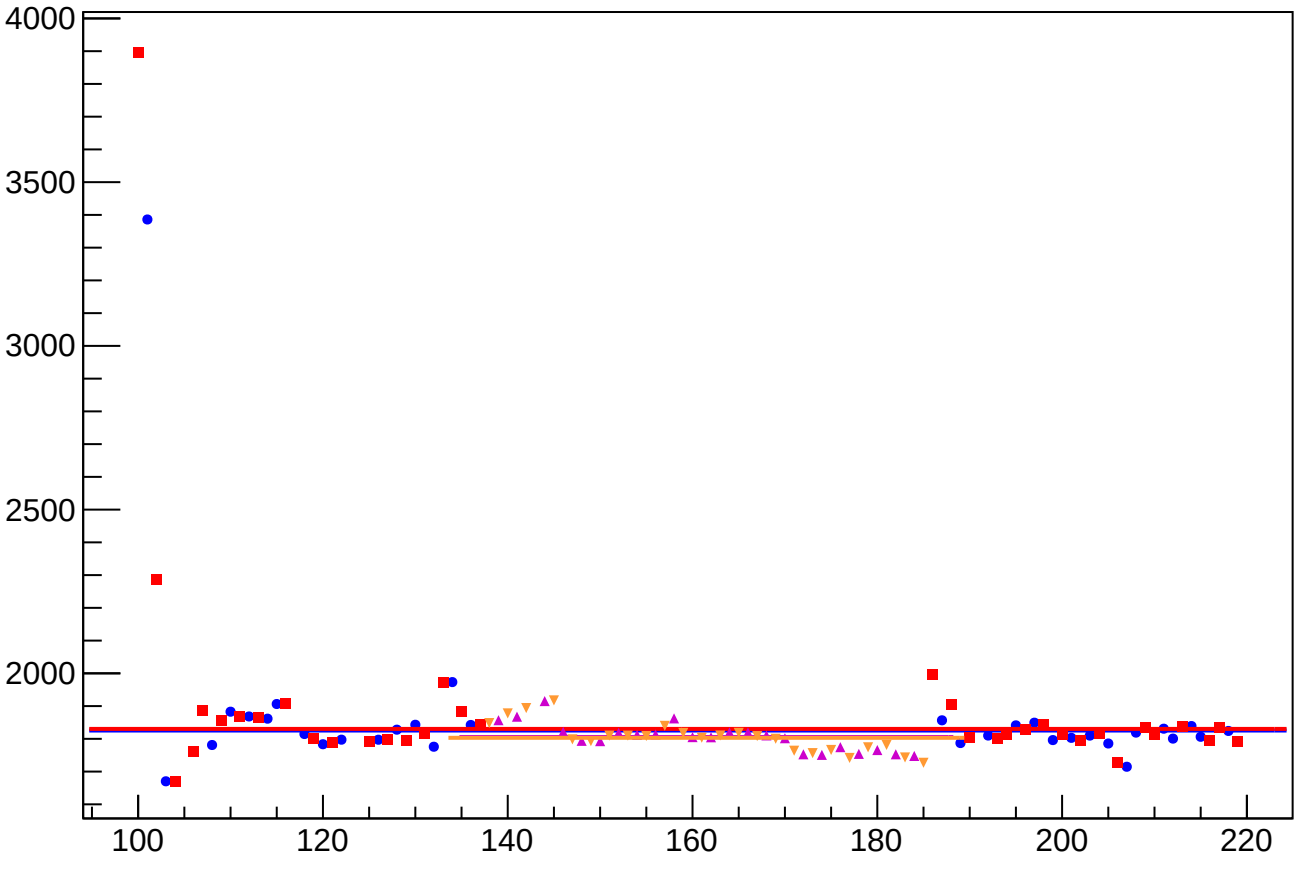
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4212.248+/-285.784 χ^2/NDF: 43.9/66

In: 4679.549+/-293.138 χ^2/NDF:40.7/54

Out: 3475.271+/-289.442 χ^2/NDF:48.9/58

All: 4069.770+/-205.960 χ^2/NDF: 98.1/113



Right In: 1825.382+/-0.288 χ^2/NDF: 307929.9/31

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1830.303+/-0.283 χ^2/NDF: 123039.6/34

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

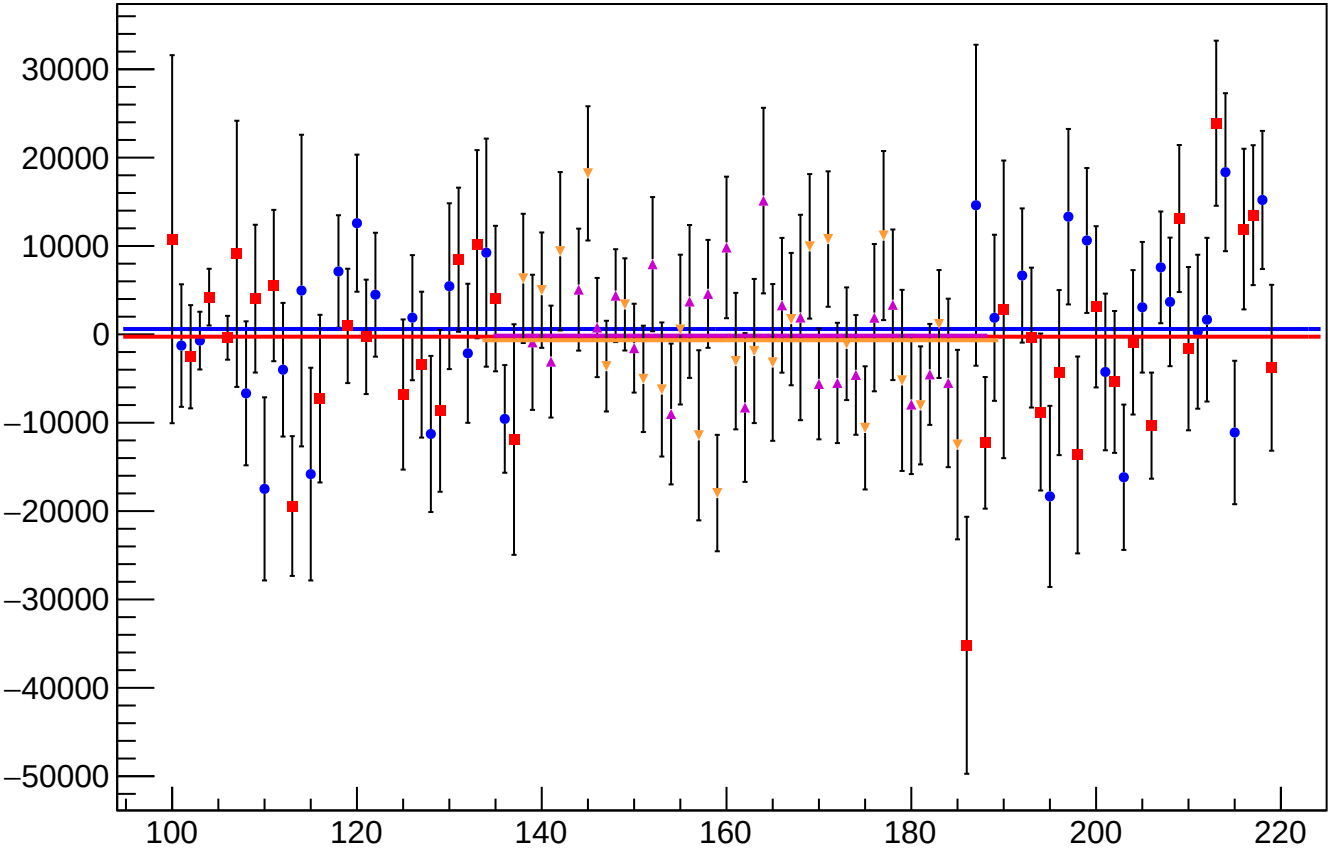
Right: 1827.889+/-0.202 χ^2/NDF: 431117.8/66

In: 1815.803+/-0.207 χ^2/NDF:329528.6/54

Out: 1817.319+/-0.205 χ^2/NDF:148088.3/58

All: 1816.571+/-0.146 χ^2/NDF: 477644.0/113

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 604.530+/-1353.147 χ^2/NDF: 38.9/31

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -263.892+/-1191.021 χ^2/NDF: 43.3/34

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

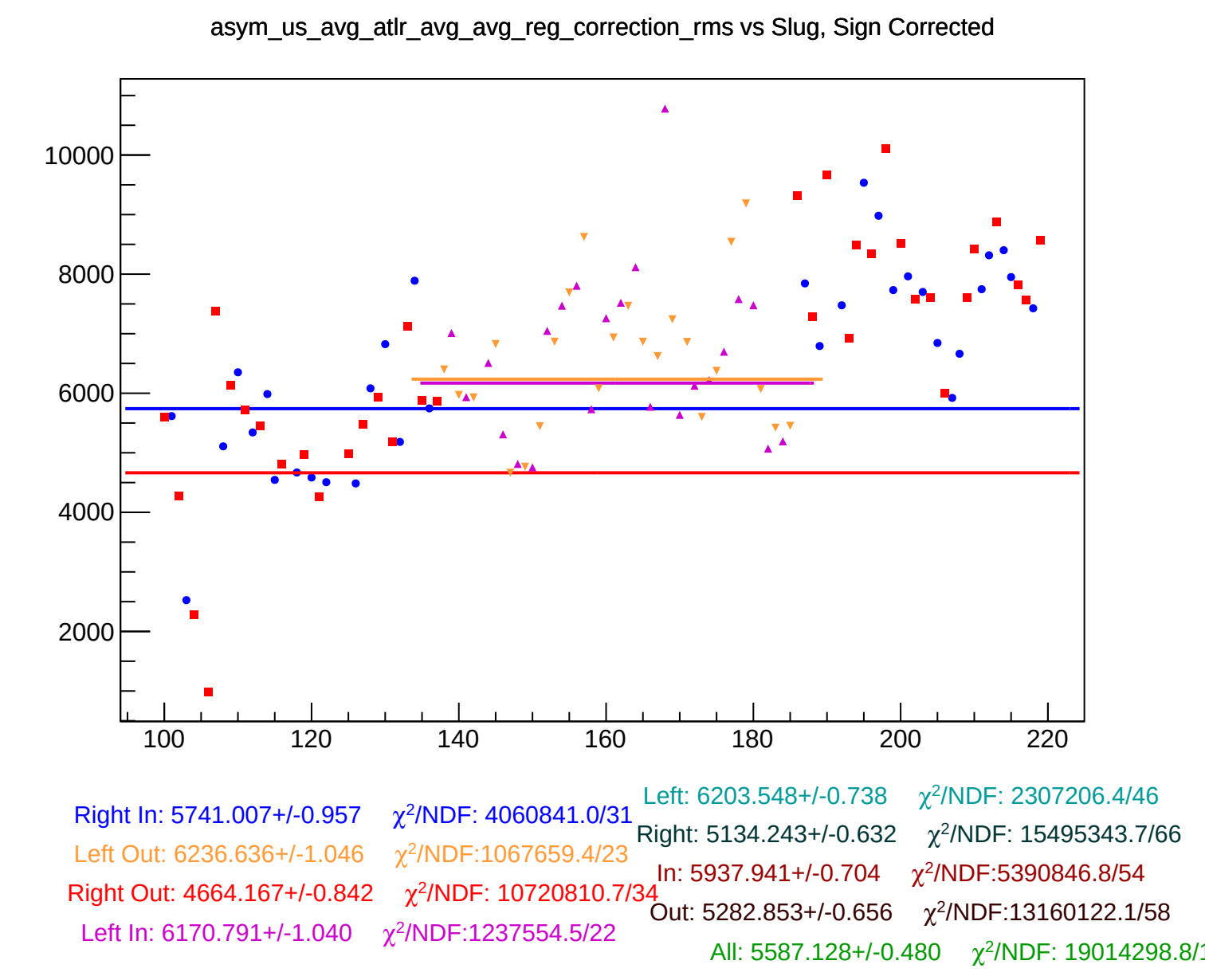
Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

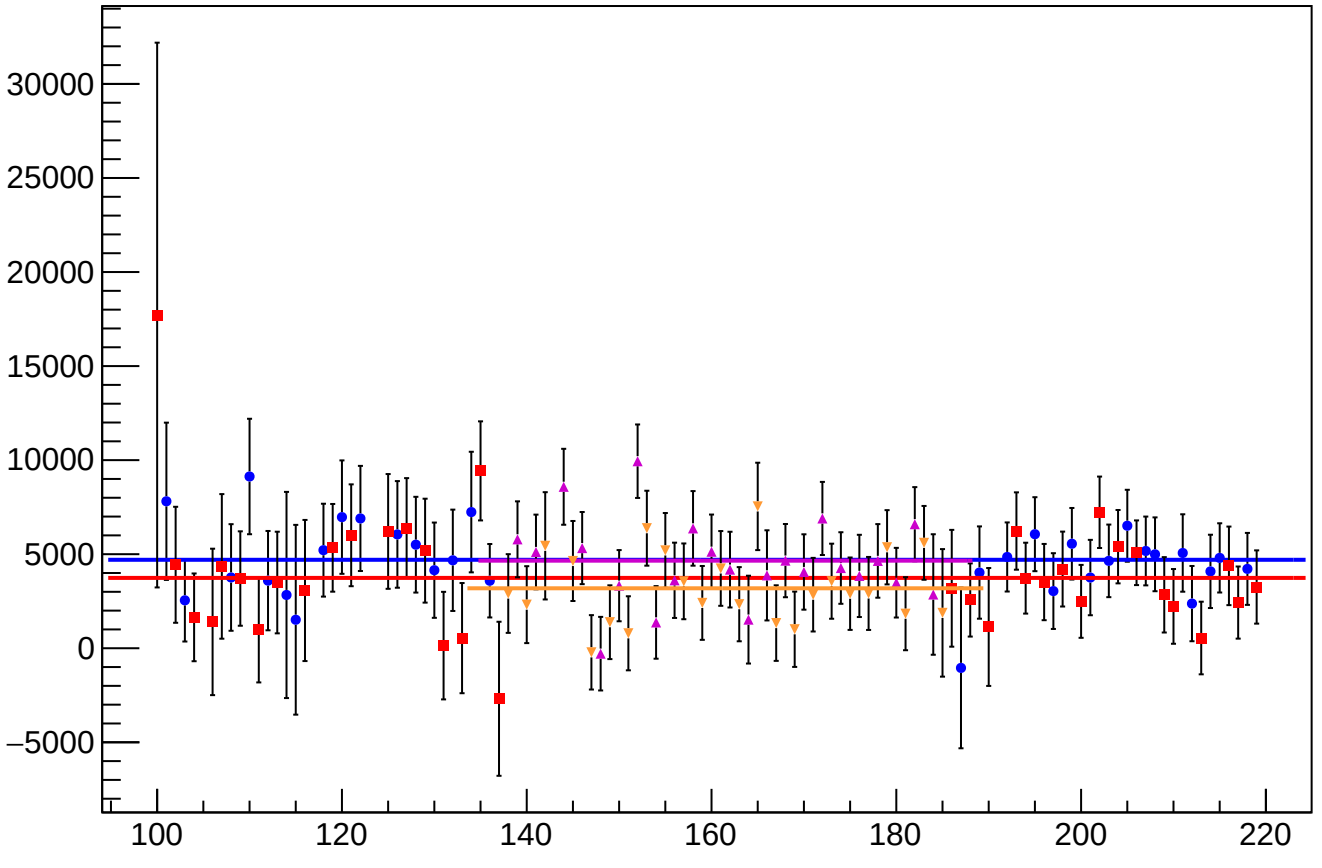
Right: 115.203+/-894.033 χ^2/NDF: 82.4/66

In: 261.800+/-995.996 χ^2/NDF:52.6/54

Out: -422.590+/-927.584 χ^2/NDF:73.1/58

All: -104.705+/-678.799 χ^2/NDF: 125.9/113


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: 5741.007+/-0.957 χ²/NDF: 4060841.0/31
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 4664.167+/-0.842 χ²/NDF: 10720810.7/34
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
Left: 6203.548+/-0.738 χ²/NDF: 2307206.4/46
Right: 5134.243+/-0.632 χ²/NDF: 15495343.7/66
In: 5937.941+/-0.704 χ²/NDF:5390846.8/54
Out: 5282.853+/-0.656 χ²/NDF:13160122.1/58
All: 5587.128+/-0.480 χ²/NDF: 19014298.8/1



Right In: 4702.134+/-407.777 χ^2/NDF: 13.0/31

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3739.153+/-400.638 χ^2/NDF: 28.1/34

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

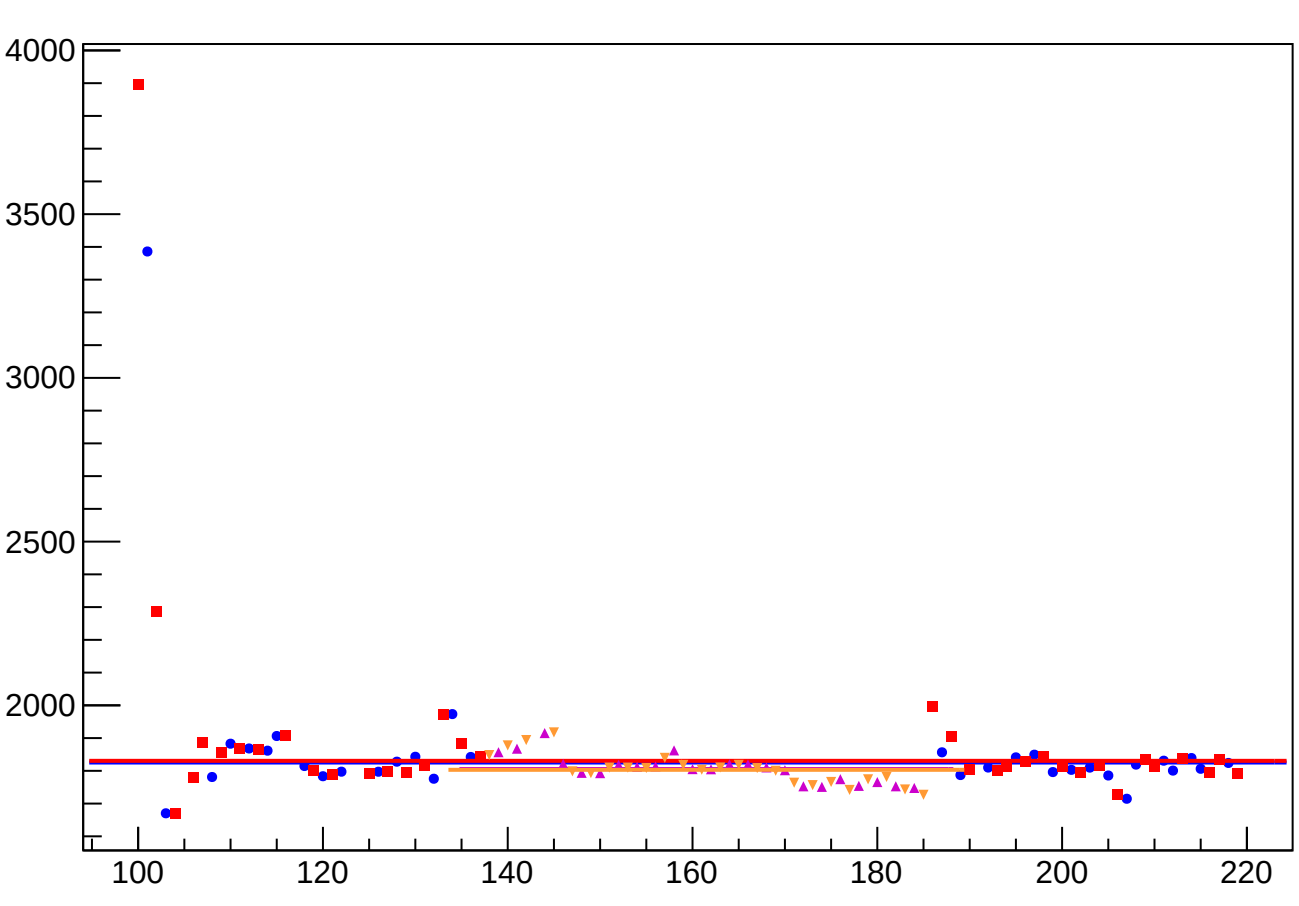
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4212.139+/-285.784 χ^2/NDF: 43.9/66

In: 4679.466+/-293.138 χ^2/NDF:40.7/54

Out: 3475.216+/-289.442 χ^2/NDF:48.9/58

All: 4069.701+/-205.960 χ^2/NDF: 98.1/113



Right In: 1825.382+/-0.288 χ^2/NDF: 307931.7/31

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1830.533+/-0.283 χ^2/NDF: 122705.2/34

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

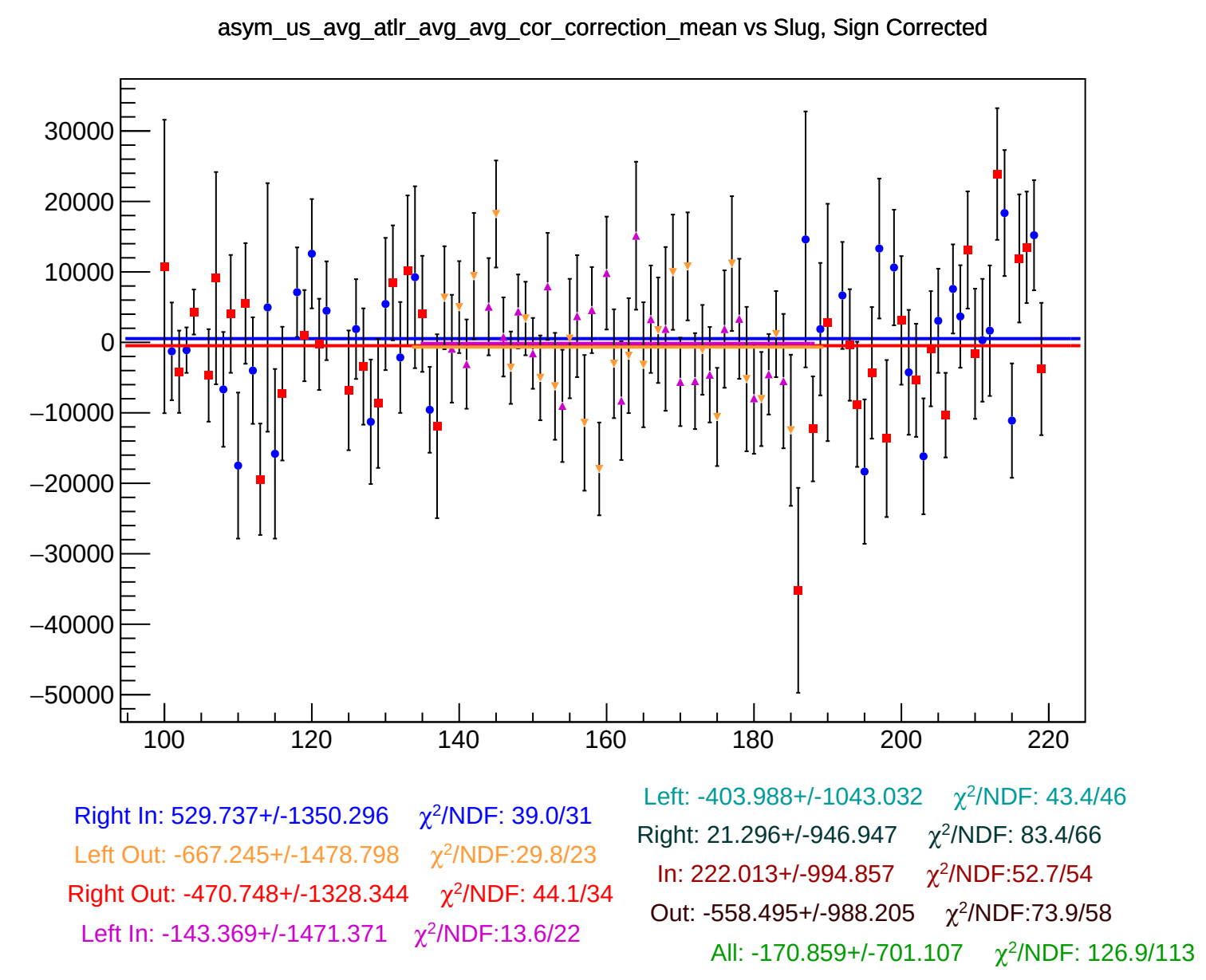
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1828.006+/-0.202 χ^2/NDF: 430799.5/66

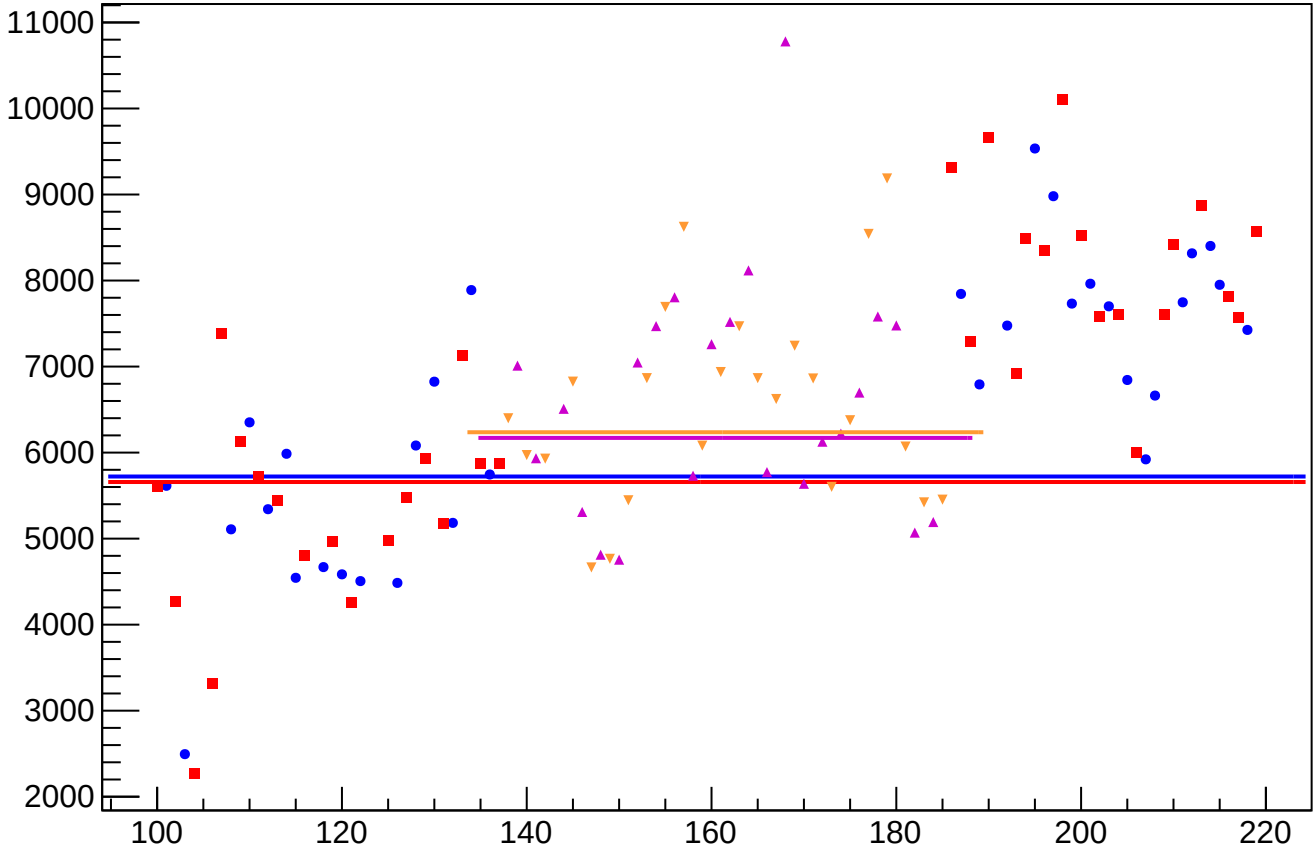
In: 1815.803+/-0.207 χ^2/NDF:329530.5/54

Out: 1817.438+/-0.205 χ^2/NDF:147828.4/58

All: 1816.631+/-0.146 χ^2/NDF: 477390.4/113


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: 529.737+/-1350.296 χ²/NDF: 39.0/31
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: -470.748+/-1328.344 χ²/NDF: 44.1/34
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: 21.296+/-946.947 χ²/NDF: 83.4/66
In: 222.013+/-994.857 χ²/NDF:52.7/54
Out: -558.495+/-988.205 χ²/NDF:73.9/58
All: -170.859+/-701.107 χ²/NDF: 126.9/113

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5722.071+/-0.955 χ^2/NDF: 4146236.8/31

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5658.107+/-0.939 χ^2/NDF: 5301326.1/34

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

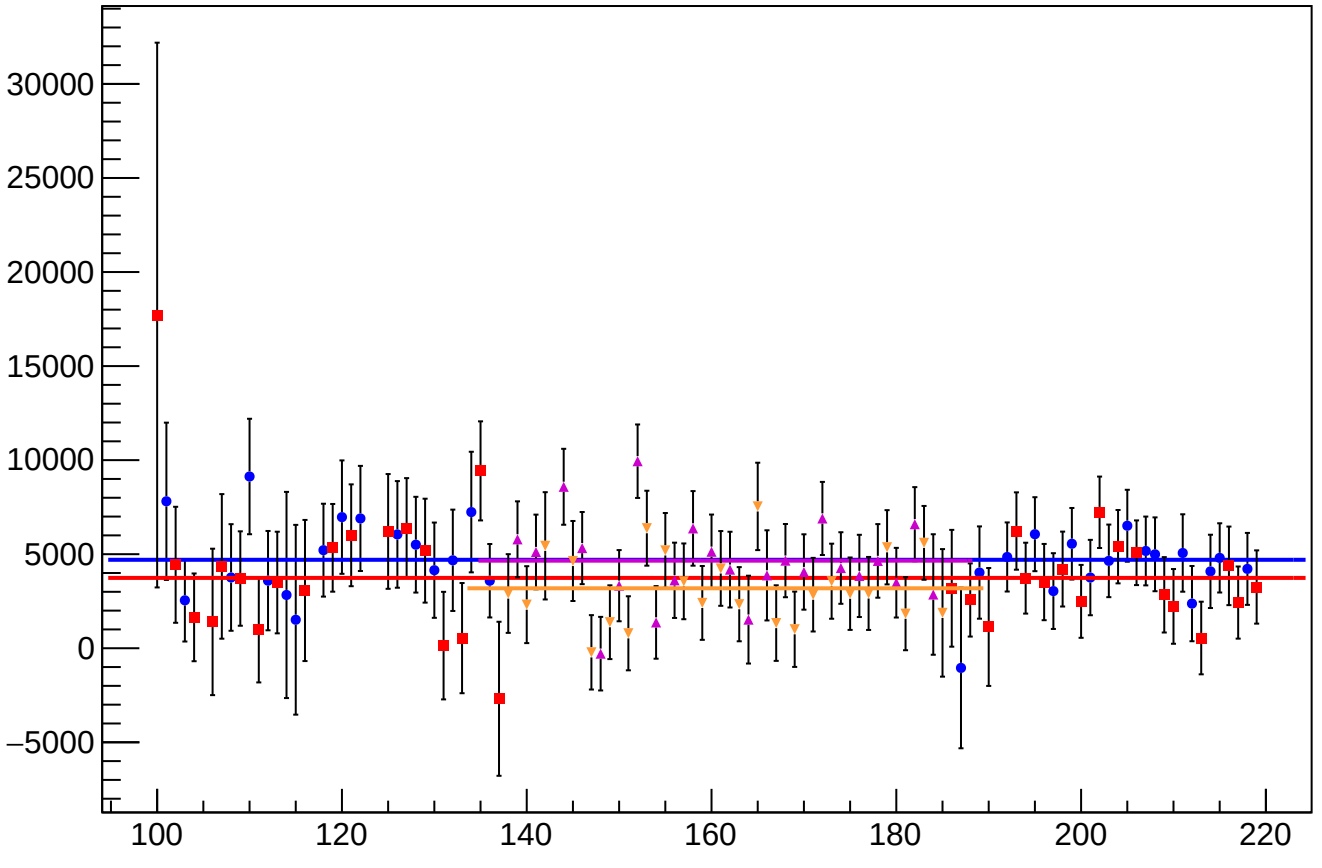
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5689.565+/-0.670 χ^2/NDF: 9449843.6/66

In: 5927.211+/-0.703 χ^2/NDF:5484772.1/54

Out: 5916.452+/-0.699 χ^2/NDF:6538399.7/58

All: 5921.796+/-0.496 χ^2/NDF: 12023289.6/1



Right In: 4702.134+/-407.777 χ^2/NDF: 13.0/31

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3739.153+/-400.638 χ^2/NDF: 28.1/34

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

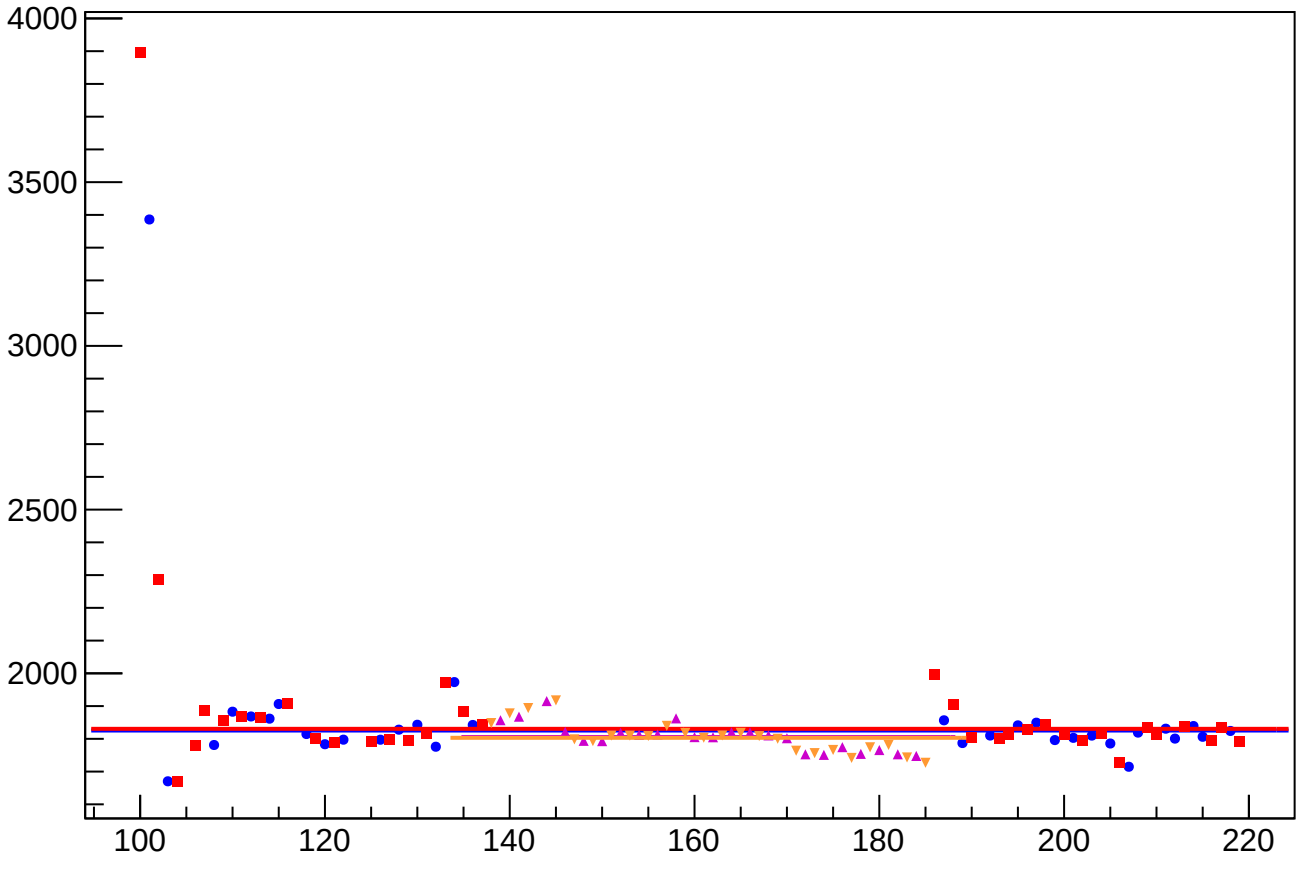
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4212.139+/-285.784 χ^2/NDF: 43.9/66

In: 4679.466+/-293.138 χ^2/NDF:40.7/54

Out: 3475.216+/-289.442 χ^2/NDF:48.9/58

All: 4069.701+/-205.960 χ^2/NDF: 98.1/113



Right In: 1825.382+/-0.288 χ^2/NDF: 307931.7/31

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1830.533+/-0.283 χ^2/NDF: 122705.2/34

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

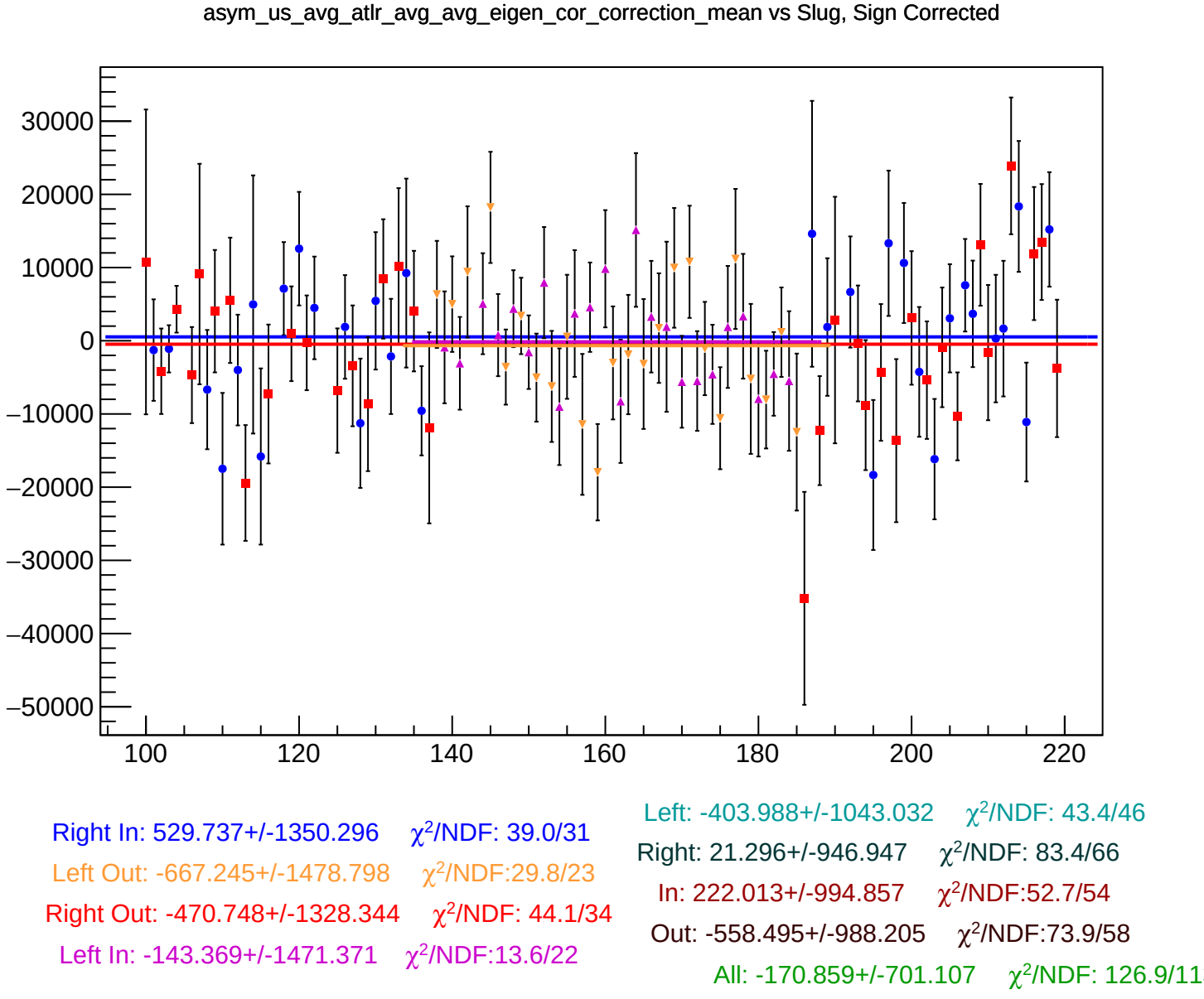
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

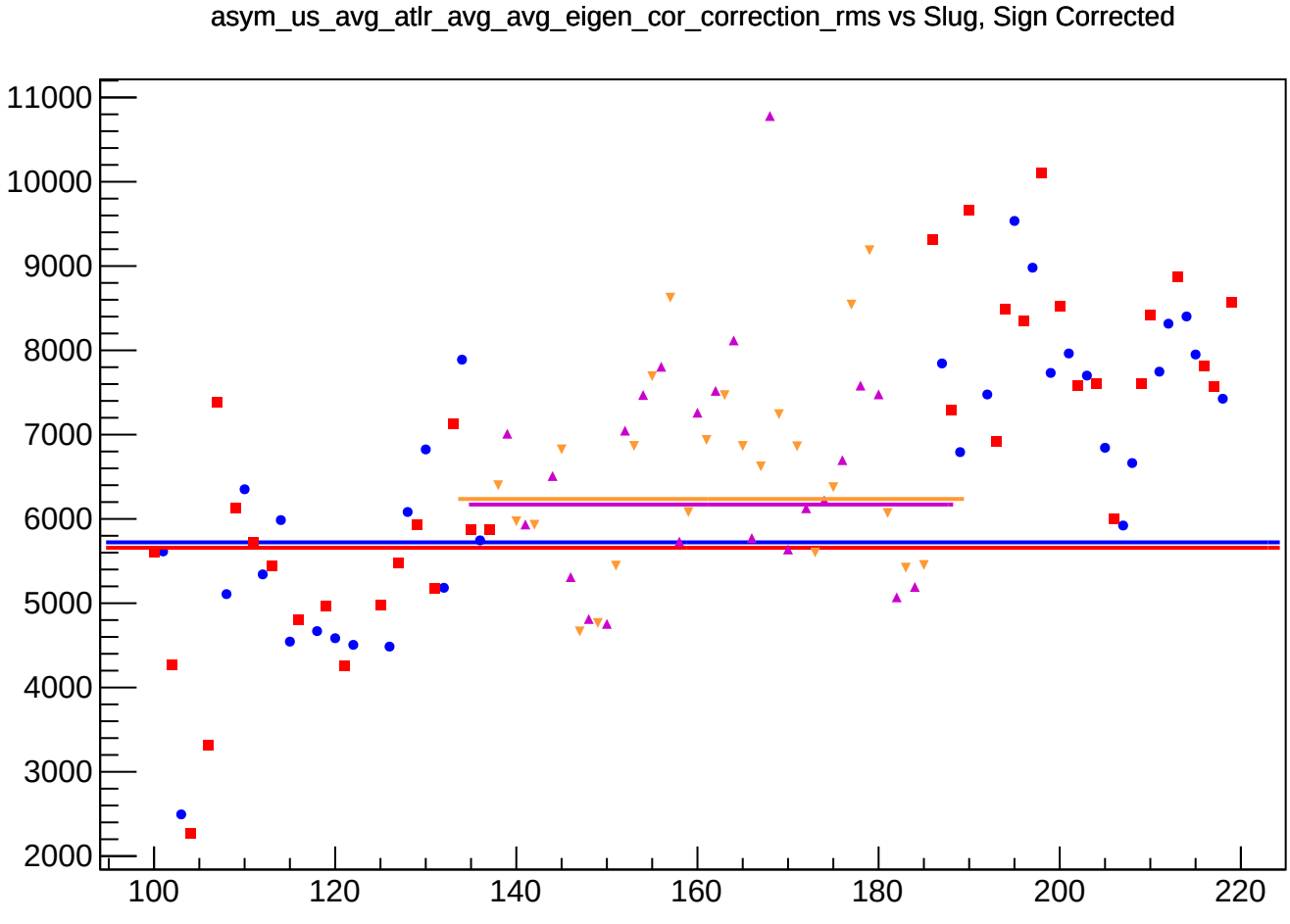
Right: 1828.006+/-0.202 χ^2/NDF: 430799.5/66

In: 1815.803+/-0.207 χ^2/NDF:329530.5/54

Out: 1817.438+/-0.205 χ^2/NDF:147828.4/58

All: 1816.631+/-0.146 χ^2/NDF: 477390.4/113


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: 529.737+/-1350.296 χ²/NDF: 39.0/31
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: -470.748+/-1328.344 χ²/NDF: 44.1/34
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: 21.296+/-946.947 χ²/NDF: 83.4/66
In: 222.013+/-994.857 χ²/NDF:52.7/54
Out: -558.495+/-988.205 χ²/NDF:73.9/58
All: -170.859+/-701.107 χ²/NDF: 126.9/113



Right In: 5722.071+/-0.955 χ^2/NDF: 4146236.8/31

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5658.107+/-0.939 χ^2/NDF: 5301326.1/34

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

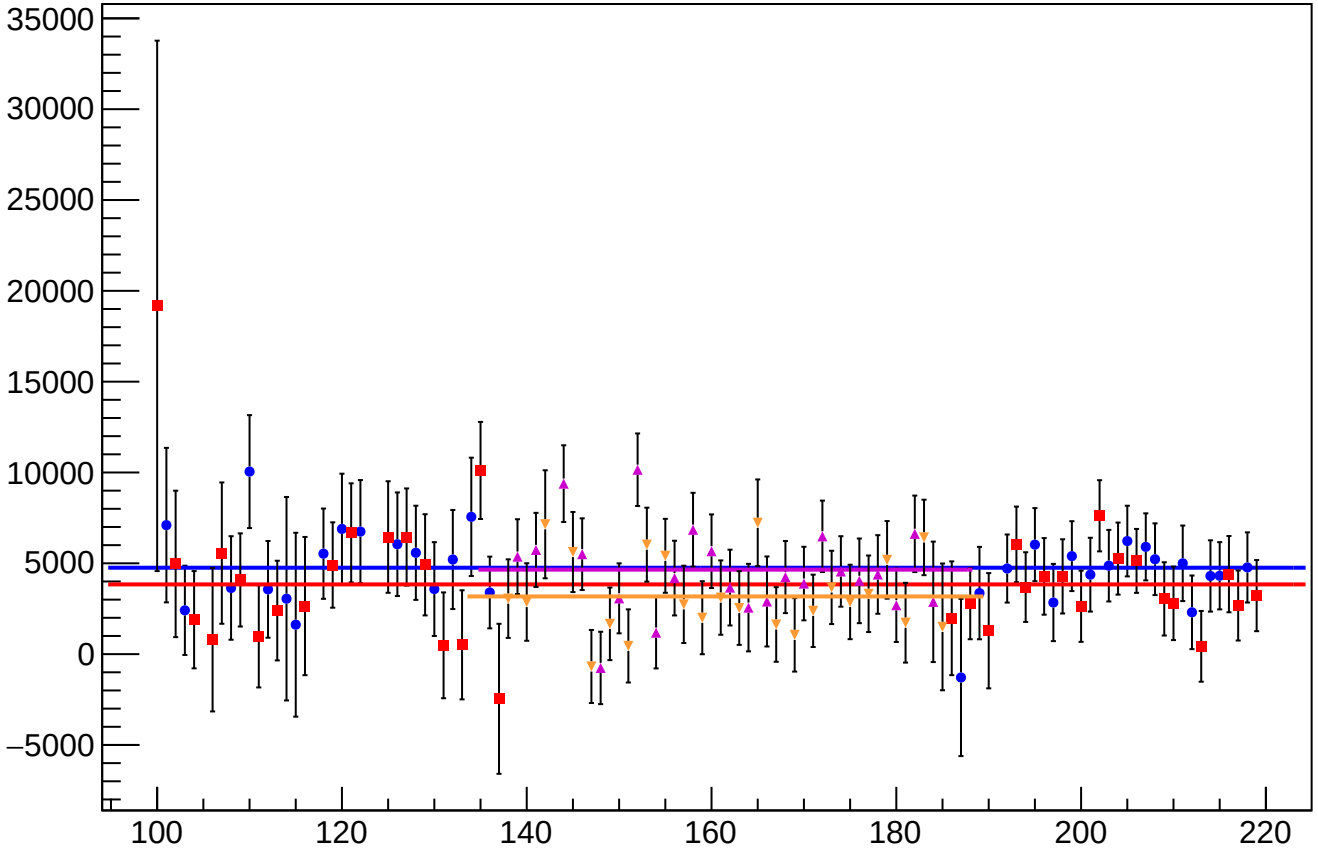
Right: 5689.565+/-0.670 χ^2/NDF: 9449843.6/66

In: 5927.211+/-0.703 χ^2/NDF:5484772.1/54

Out: 5916.452+/-0.699 χ^2/NDF:6538399.7/58

All: 5921.796+/-0.496 χ^2/NDF: 12023289.6/1

dit_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4757.050+/-415.190 χ^2/NDF: 14.0/31

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 3838.782+/-409.183 χ^2/NDF: 29.1/34

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

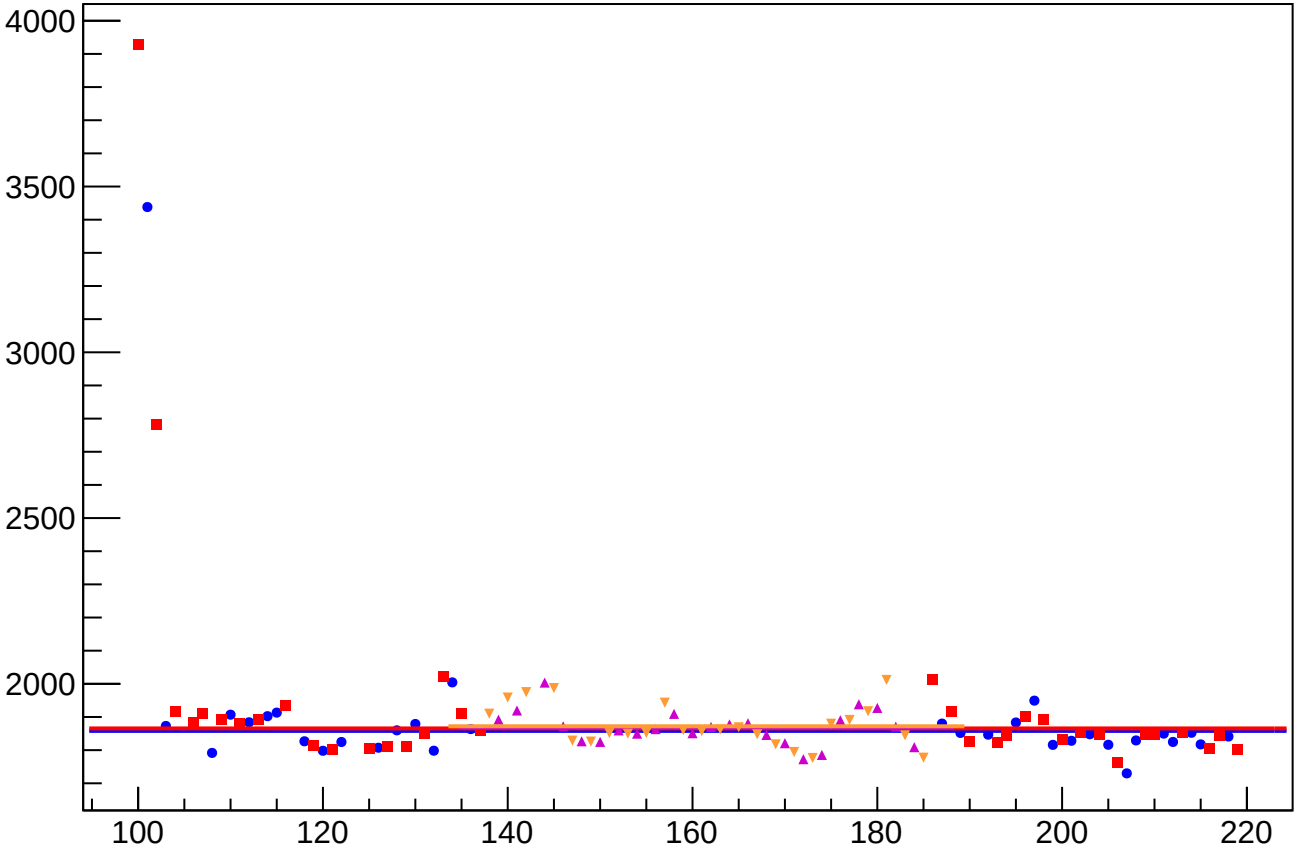
Right: 4291.225+/-291.436 χ^2/NDF: 45.6/66

In: 4706.384+/-300.736 χ^2/NDF:44.6/54

Out: 3526.820+/-297.986 χ^2/NDF:51.9/58

All: 4111.183+/-211.673 χ^2/NDF: 104.2/113

dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1858.175+/-0.294 χ^2/NDF: 303670.3/31

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1865.448+/-0.289 χ^2/NDF: 175914.5/34

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

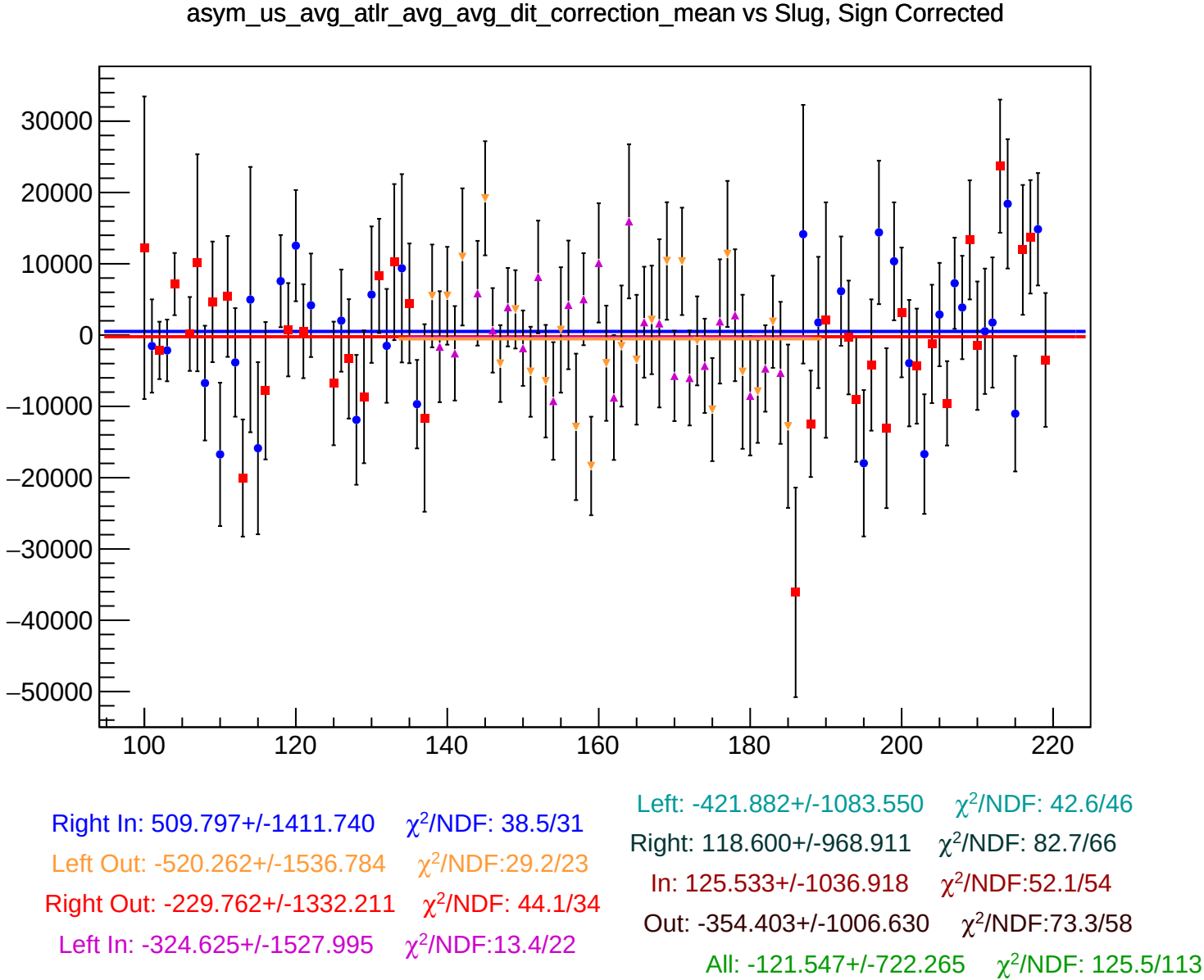
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1861.866+/-0.206 χ^2/NDF: 479896.3/66

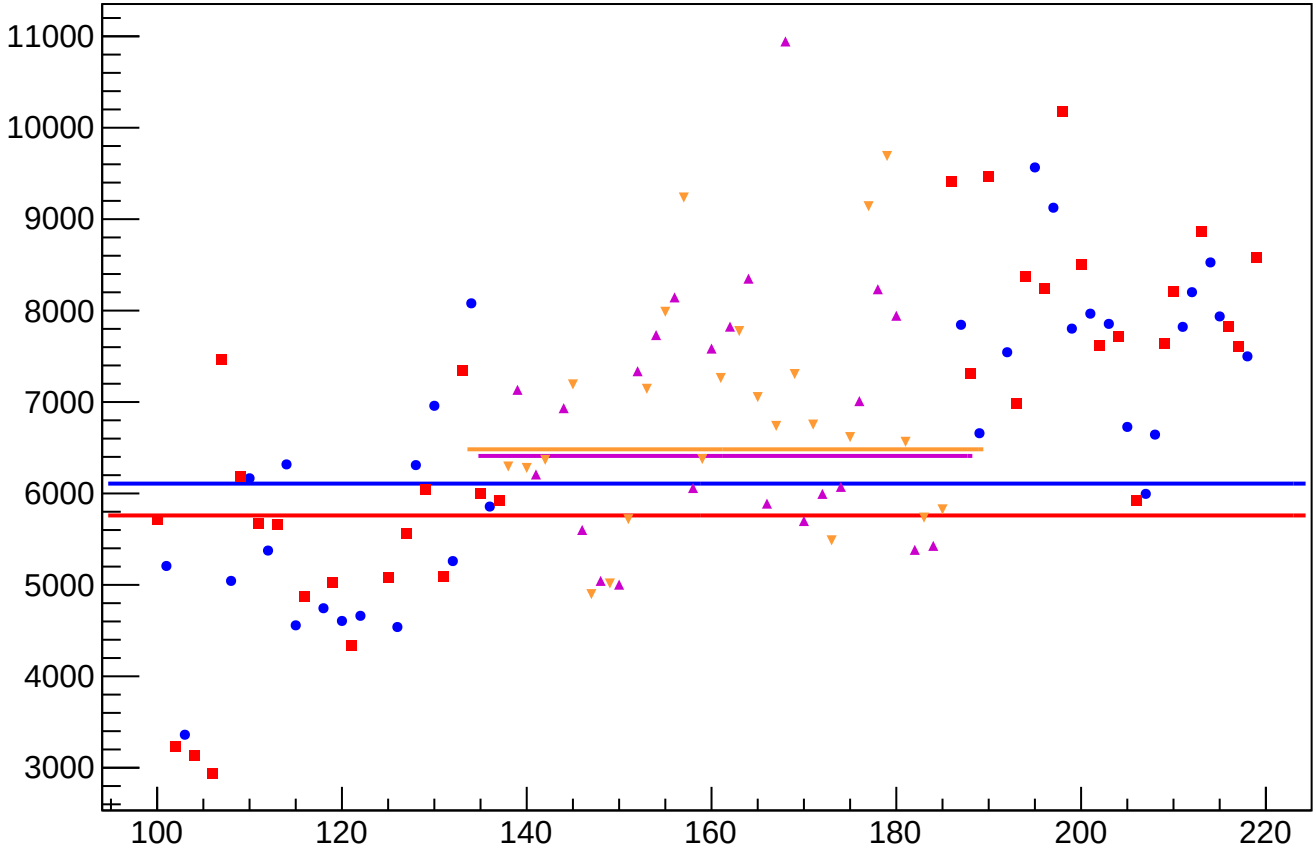
In: 1862.407+/-0.213 χ^2/NDF:331354.2/54

Out: 1868.515+/-0.211 χ^2/NDF:213308.7/58

All: 1865.490+/-0.150 χ^2/NDF: 545079.2/113


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 509.797+/-1411.740 χ²/NDF: 38.5/31
Left Out: -520.262+/-1536.784 χ²/NDF:29.2/23
Right Out: -229.762+/-1332.211 χ²/NDF: 44.1/34
Left In: -324.625+/-1527.995 χ²/NDF:13.4/22
Left: -421.882+/-1083.550 χ²/NDF: 42.6/46
Right: 118.600+/-968.911 χ²/NDF: 82.7/66
In: 125.533+/-1036.918 χ²/NDF:52.1/54
Out: -354.403+/-1006.630 χ²/NDF:73.3/58
All: -121.547+/-722.265 χ²/NDF: 125.5/113

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 6107.747+/-0.998 χ^2/NDF: 2629759.6/31

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 5759.410+/-0.942 χ^2/NDF: 4602221.9/34

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

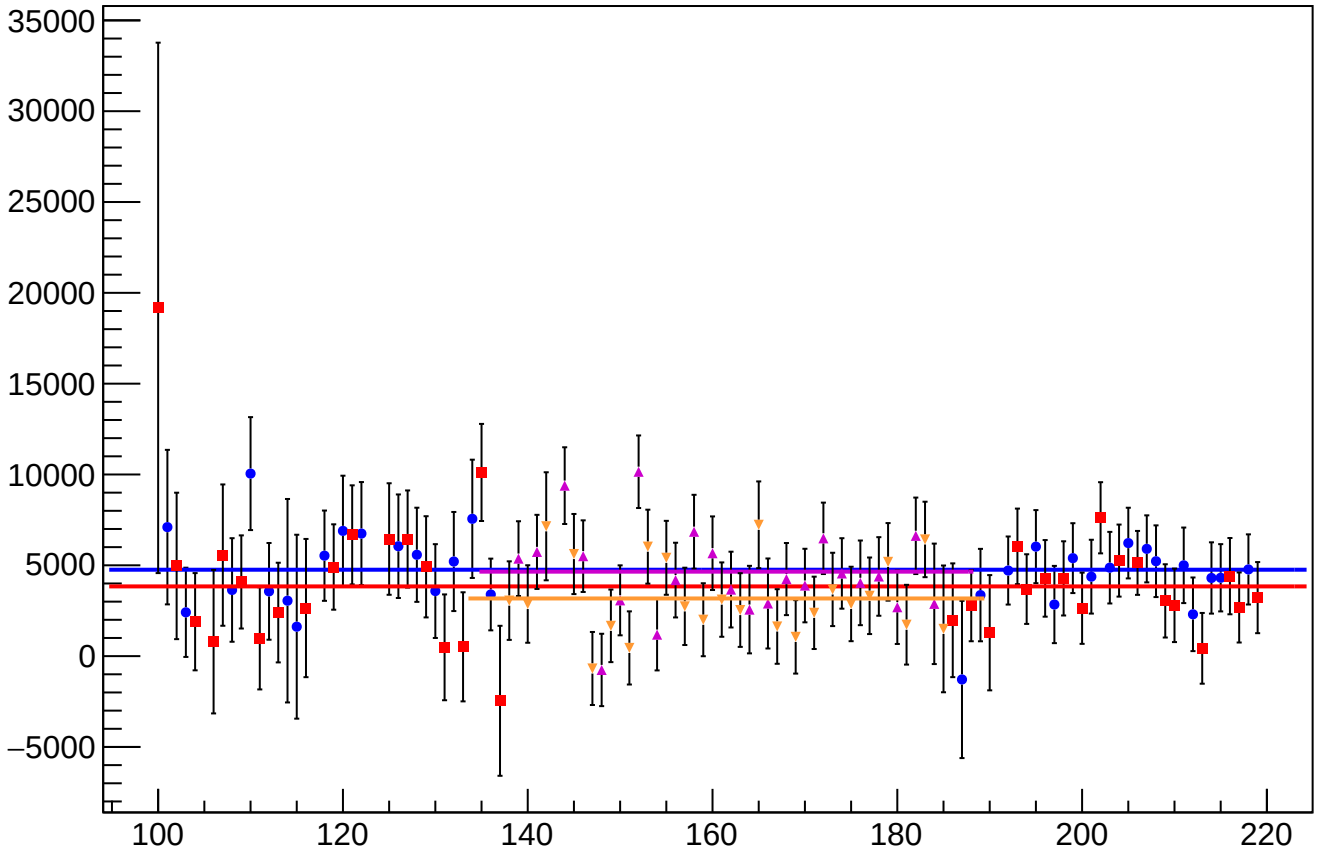
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5923.491+/-0.685 χ^2/NDF: 7296389.9/66

In: 6247.132+/-0.733 χ^2/NDF:3891925.5/54

Out: 6069.755+/-0.712 χ^2/NDF:5929770.7/58

All: 6155.815+/-0.511 χ^2/NDF: 9851825.8/11



Right In: 4757.047+/-415.190 χ^2/NDF: 14.0/31

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 3838.781+/-409.182 χ^2/NDF: 29.1/34

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

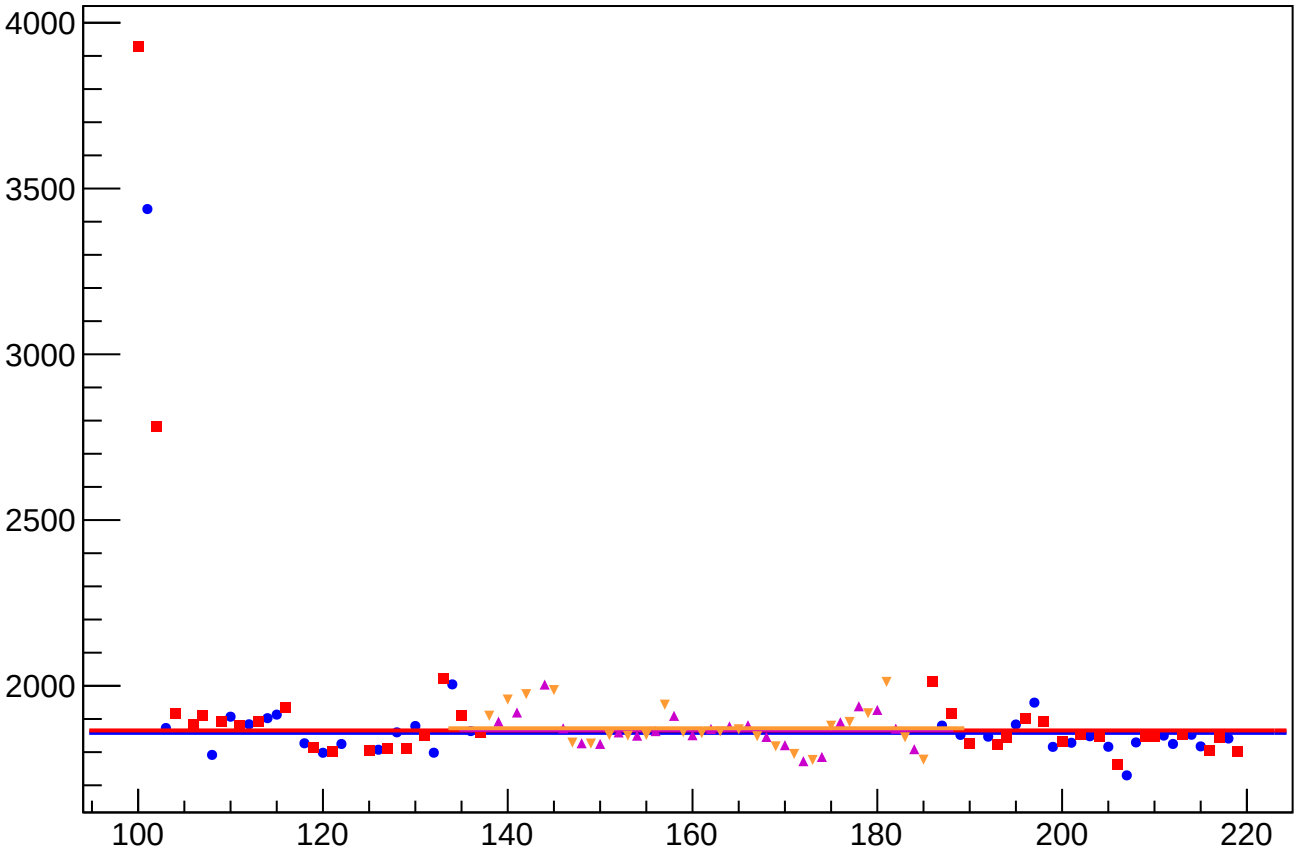
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4291.223+/-291.436 χ^2/NDF: 45.6/66

In: 4706.383+/-300.736 χ^2/NDF:44.6/54

Out: 3526.817+/-297.986 χ^2/NDF:51.9/58

All: 4111.181+/-211.674 χ^2/NDF: 104.2/113



Right In: 1858.175+/-0.294 χ^2/NDF: 303670.3/31

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

Right Out: 1865.448+/-0.289 χ^2/NDF: 175913.6/34

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

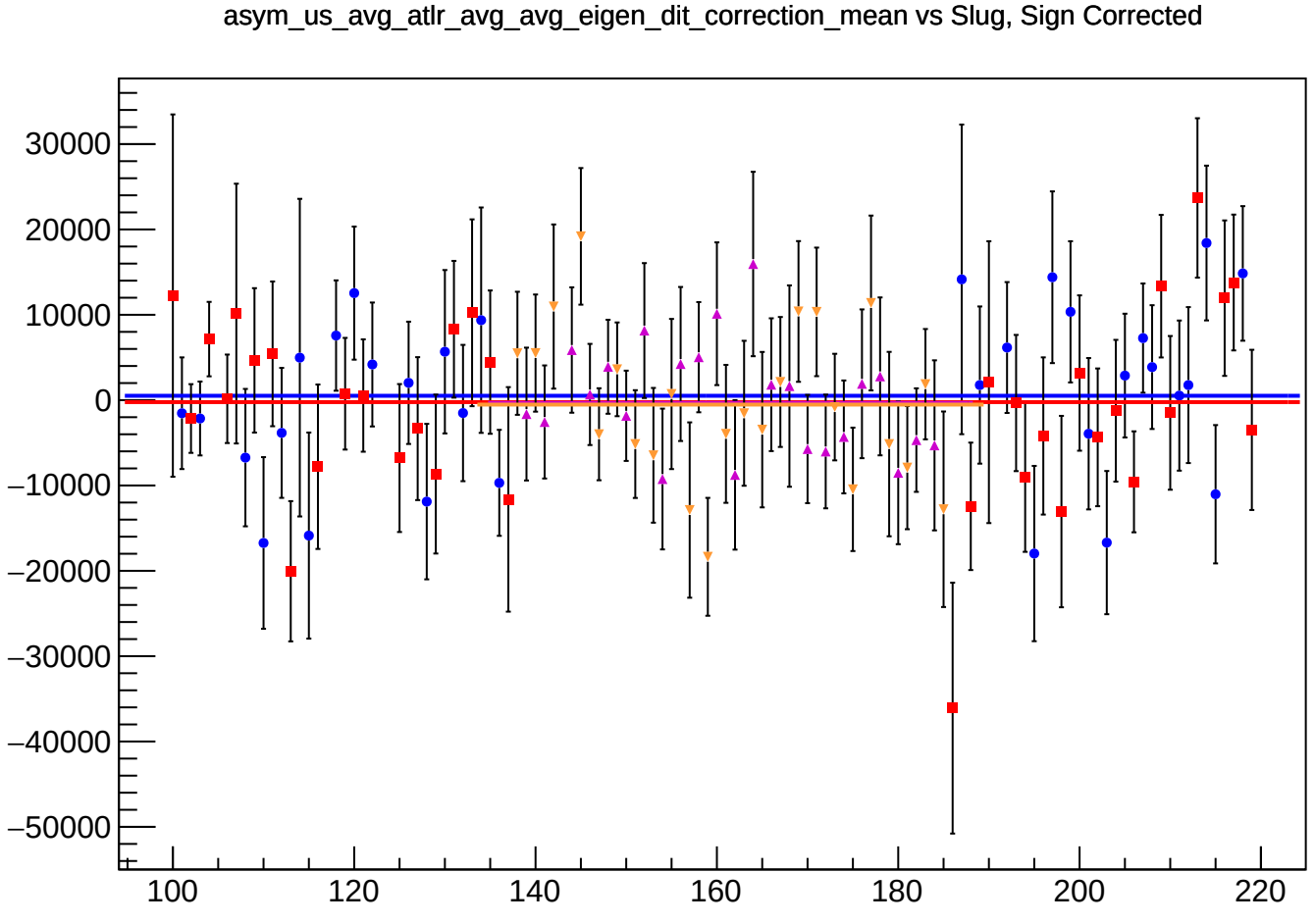
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1861.866+/-0.206 χ^2/NDF: 479895.4/66

In: 1862.408+/-0.213 χ^2/NDF:331355.6/54

Out: 1868.515+/-0.211 χ^2/NDF:213308.9/58

All: 1865.490+/-0.150 χ^2/NDF: 545080.8/113



Right In: 509.797+/-1411.739 χ^2/NDF: 38.5/31

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

Right Out: -229.758+/-1332.209 χ^2/NDF: 44.1/34

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

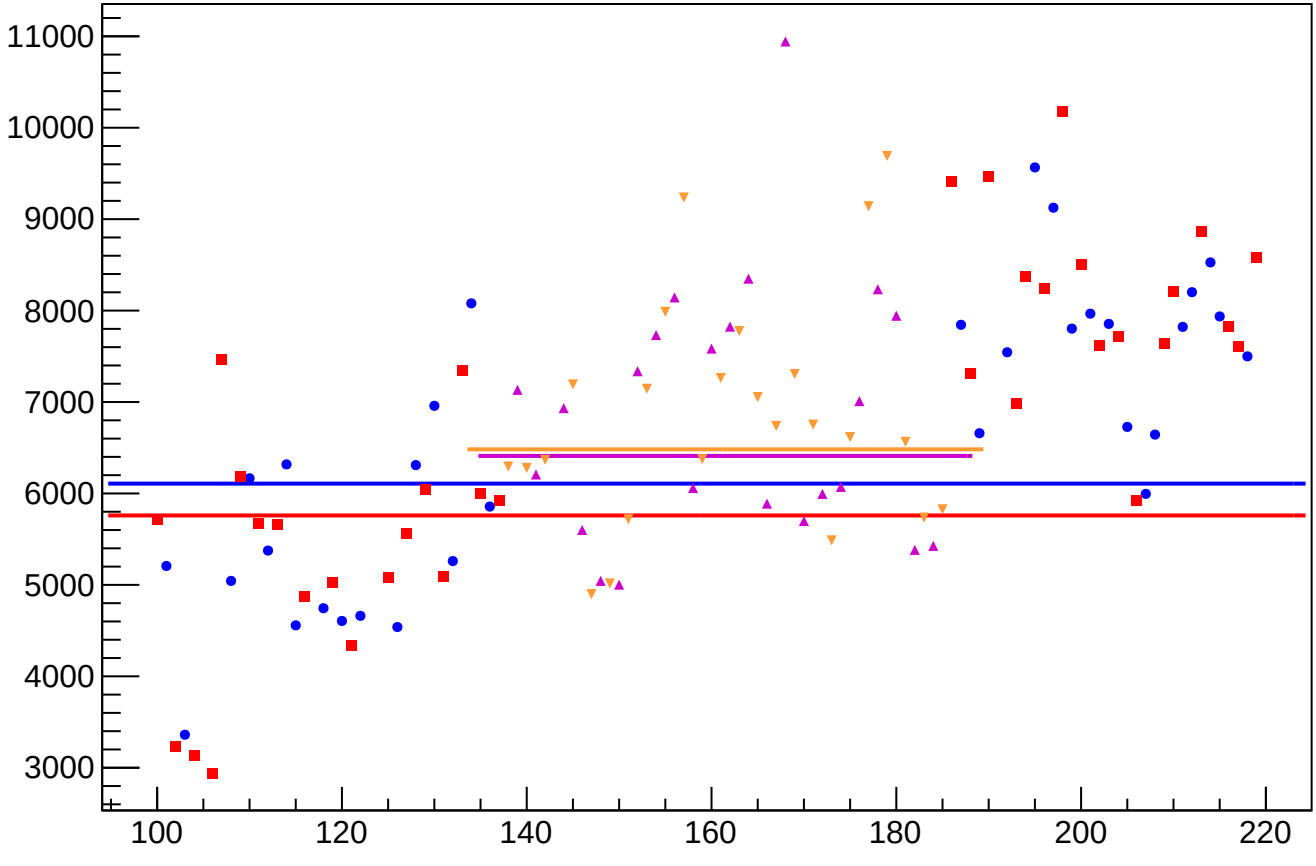
Right: 118.603+/-968.911 χ^2/NDF: 82.7/66

In: 125.533+/-1036.918 χ^2/NDF:52.1/54

Out: -354.402+/-1006.630 χ^2/NDF:73.3/58

All: -121.546+/-722.265 χ^2/NDF: 125.5/113

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6107.741+/-0.998 χ^2/NDF: 2629795.3/31

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5759.401+/-0.942 χ^2/NDF: 4602260.6/34

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

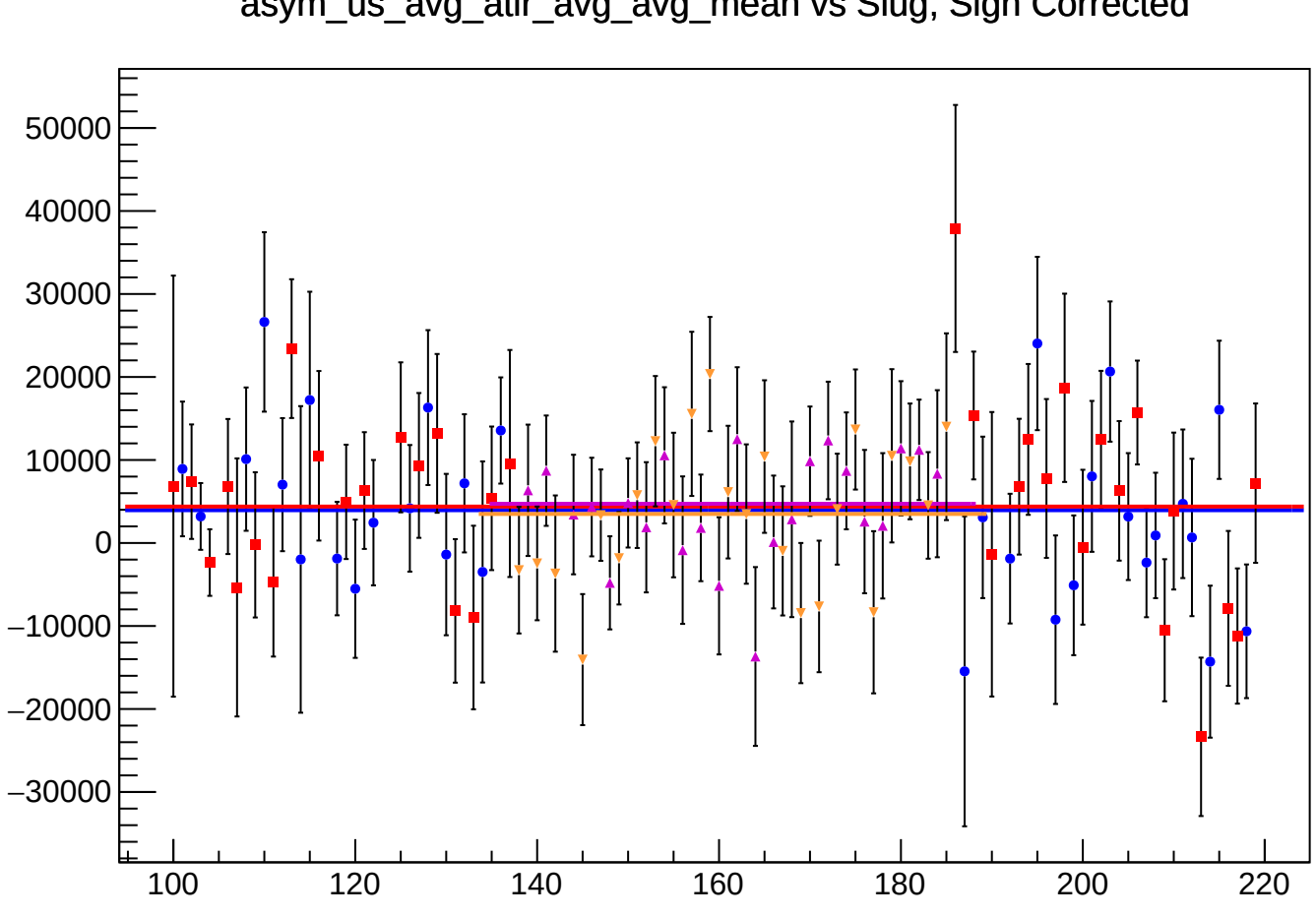
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5923.483+/-0.685 χ^2/NDF: 7296465.2/66

In: 6247.133+/-0.733 χ^2/NDF:3891968.8/54

Out: 6069.753+/-0.712 χ^2/NDF:5929825.2/58

All: 6155.815+/-0.511 χ^2/NDF: 9851924.4/11



Right In: 3949.443+/-1454.791 χ^2/NDF: 36.3/31

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: 4386.970+/-1442.240 χ^2/NDF: 47.5/34

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

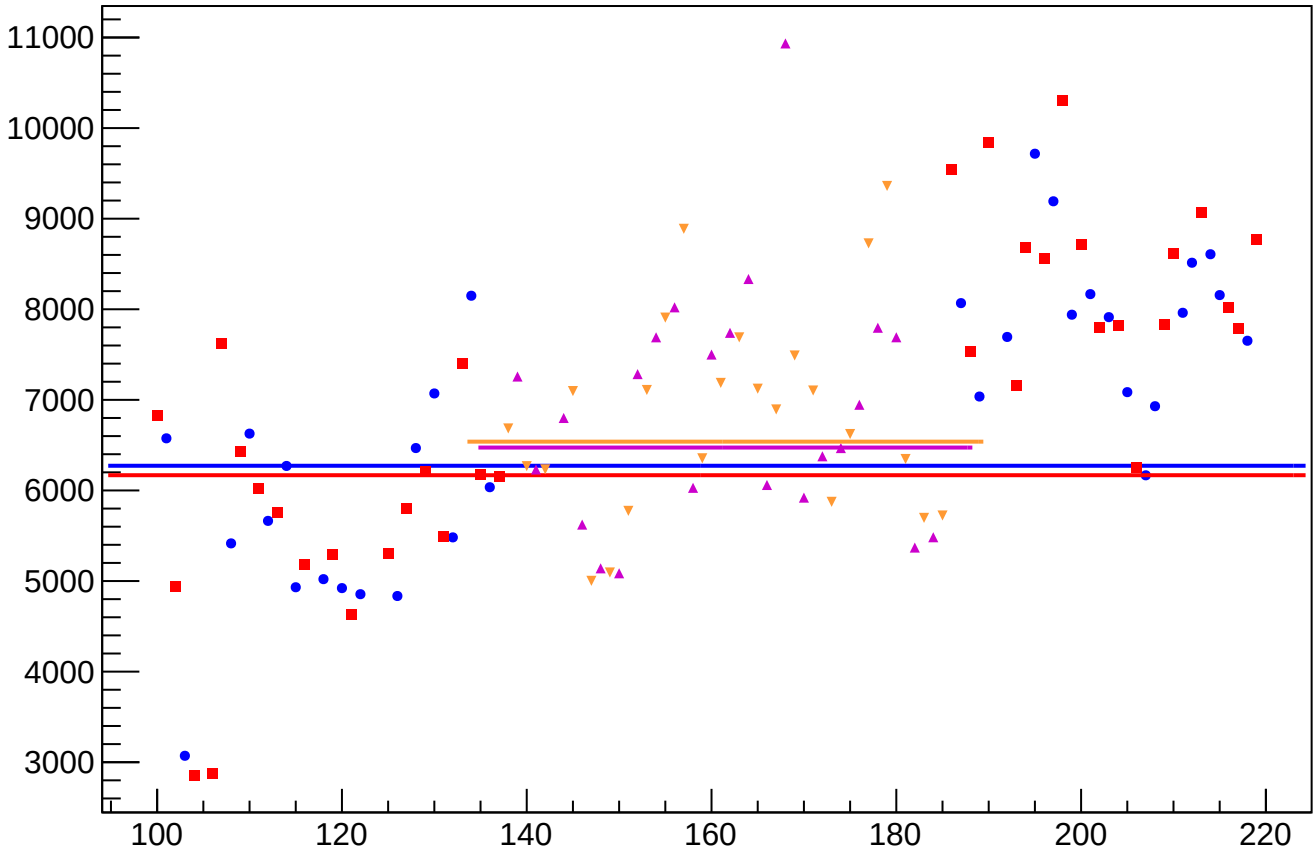
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

Right: 4170.102+/-1024.227 χ^2/NDF: 83.9/66

In: 4312.801+/-1057.267 χ^2/NDF:50.7/54

Out: 3972.879+/-1054.542 χ^2/NDF:75.2/58

All: 4142.401+/-746.635 χ^2/NDF: 125.9/113



Right In: 6272.562+/-1.029 χ^2/NDF: 2895829.3/31

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 6168.248+/-1.008 χ^2/NDF: 4066943.6/34

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

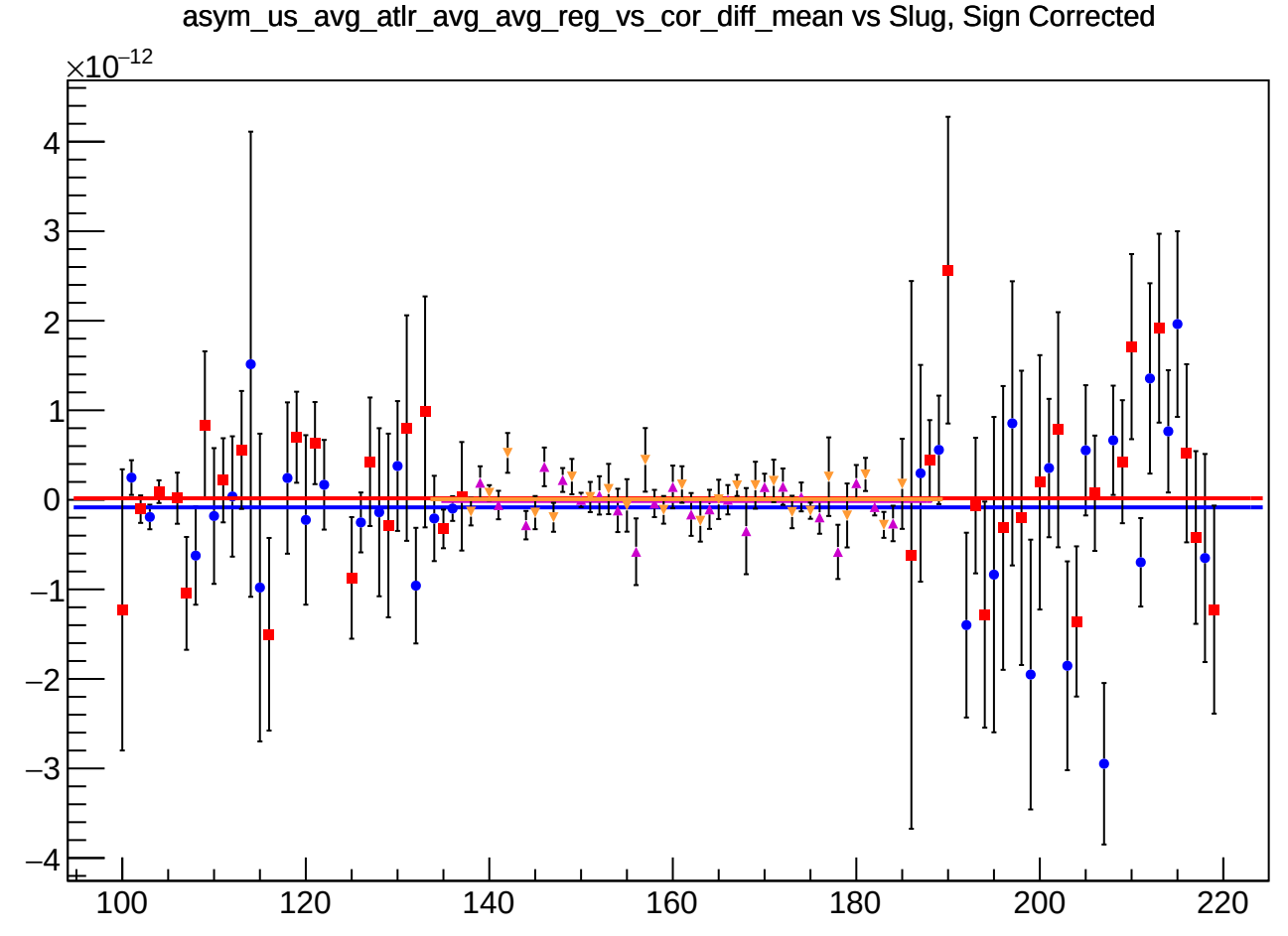
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 6219.350+/-0.720 χ^2/NDF: 6968018.5/66

In: 6367.362+/-0.748 χ^2/NDF:3985586.2/54

Out: 6338.517+/-0.741 χ^2/NDF:5049625.7/58

All: 6352.813+/-0.526 χ^2/NDF: 9035962.9/11



Right In: -0.000+/-0.000 χ^2/NDF: 37.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.7/34

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

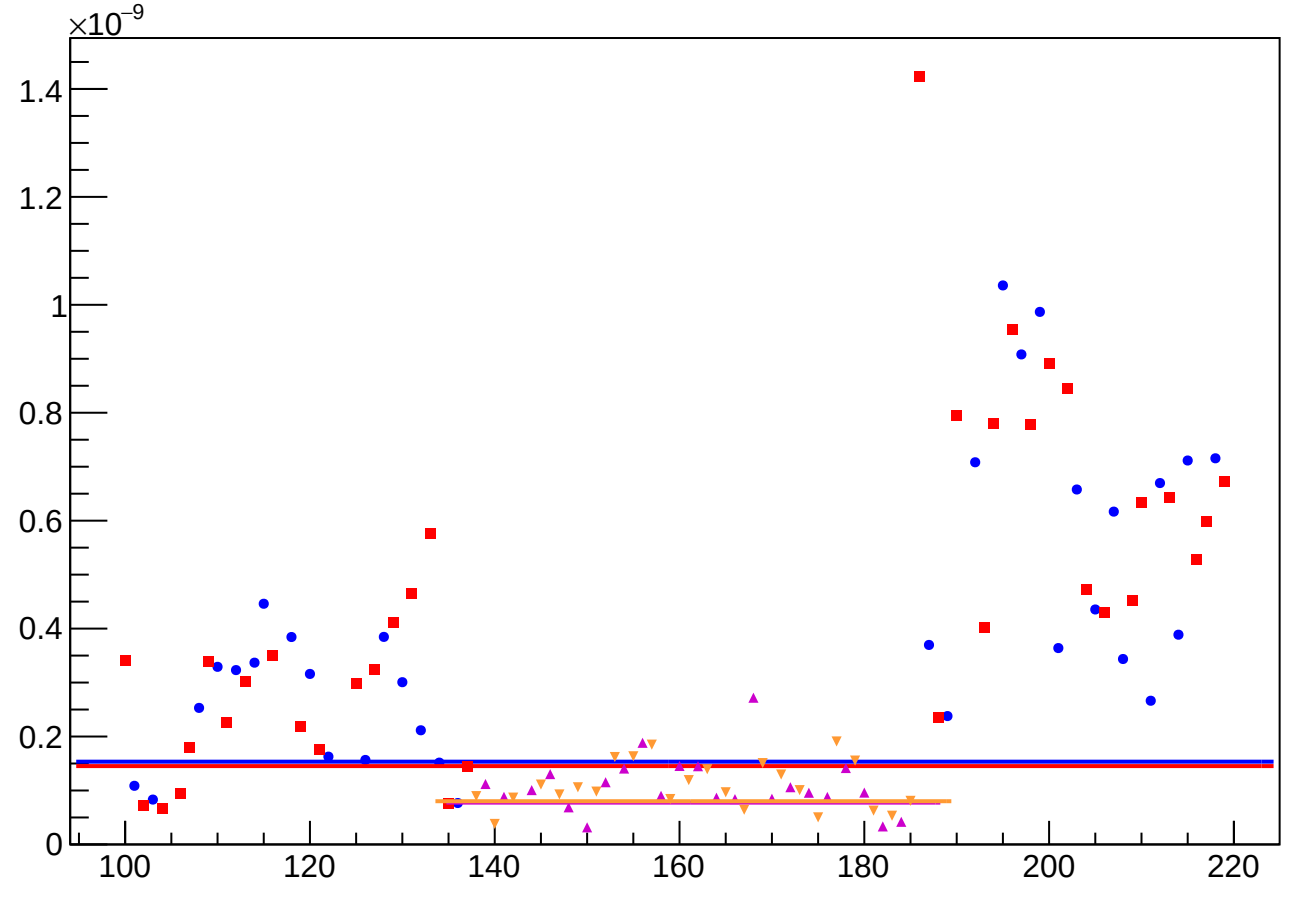
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 70.8/66

In: -0.000+/-0.000 χ^2/NDF:61.9/54

Out: 0.000+/-0.000 χ^2/NDF:59.8/58

All: -0.000+/-0.000 χ^2/NDF: 122.4/113



Right In: 0.000+/-0.000 χ^2/NDF: 7700173.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9186377.4/34

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

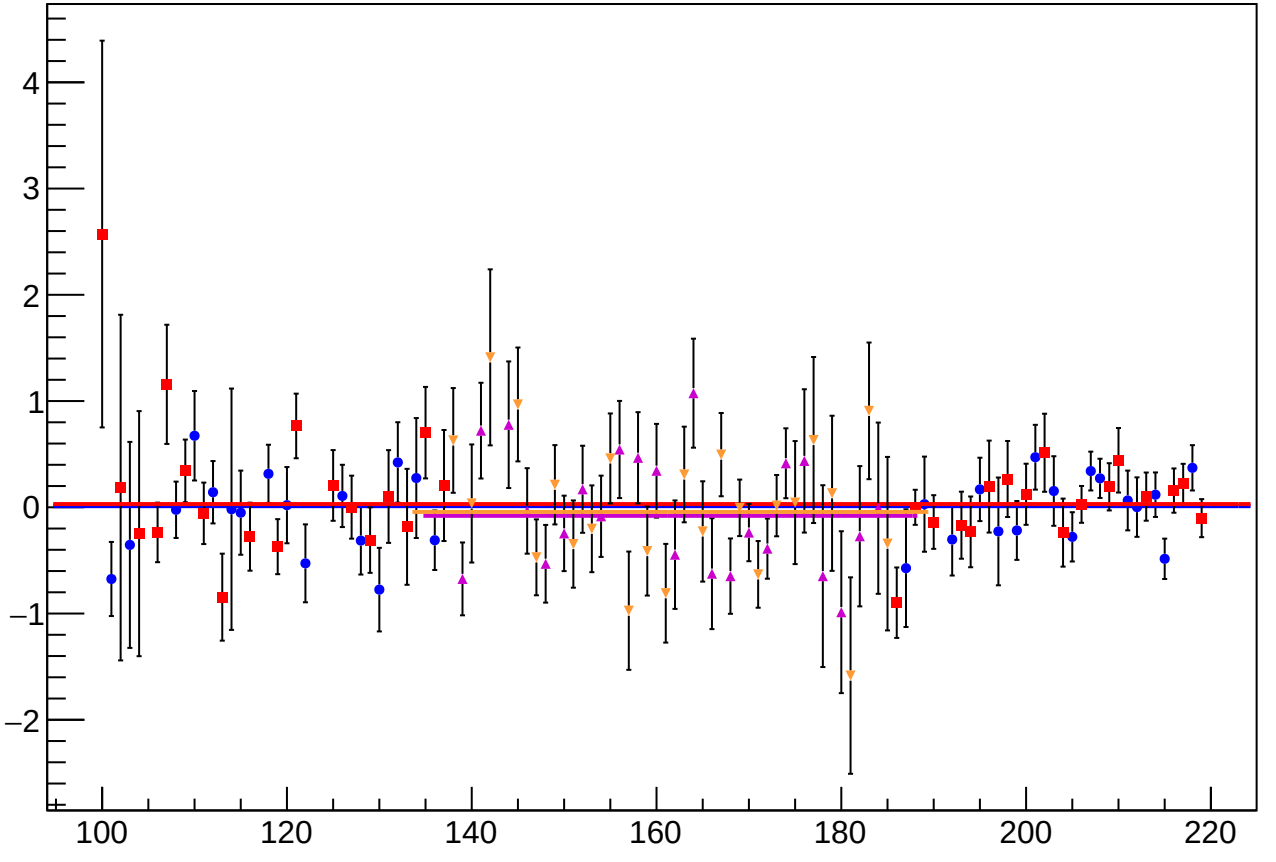
Right: 0.000+/-0.000 χ^2/NDF: 16899157.9/66

In: 0.000+/-0.000 χ^2/NDF:12109629.0/54

Out: 0.000+/-0.000 χ^2/NDF:12634868.9/58

All: 0.000+/-0.000 χ^2/NDF: 24745471.8/113

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.052 χ^2/NDF: 40.4/31

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: 0.030+/-0.049 χ^2/NDF: 43.0/34

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

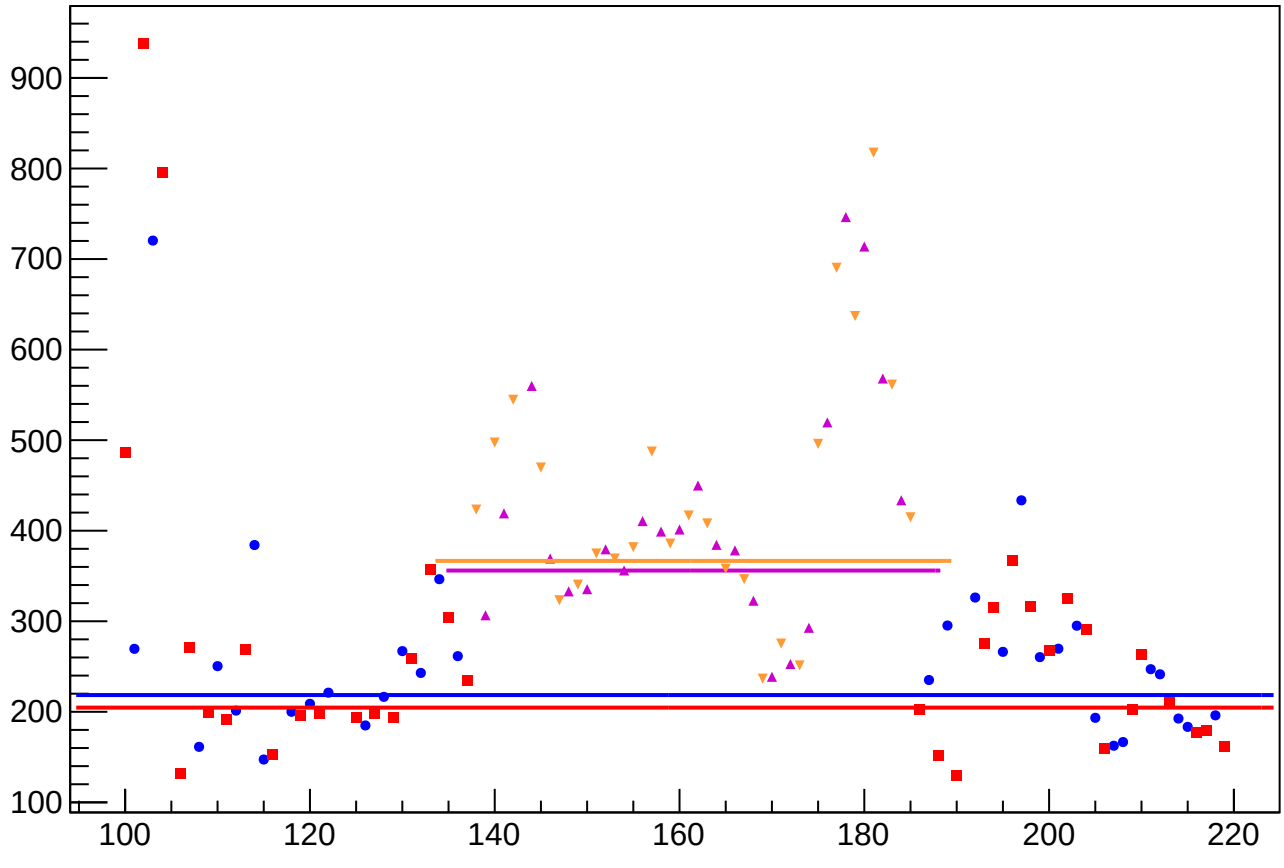
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: 0.021+/-0.036 χ^2/NDF: 83.4/66

In: -0.013+/-0.045 χ^2/NDF:71.5/54

Out: 0.014+/-0.043 χ^2/NDF:74.5/58

All: 0.001+/-0.031 χ^2/NDF: 146.2/113



Right In: 218.508+/-0.037 χ^2/NDF: 2432429.9/31

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 204.631+/-0.035 χ^2/NDF: 3594255.9/34

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

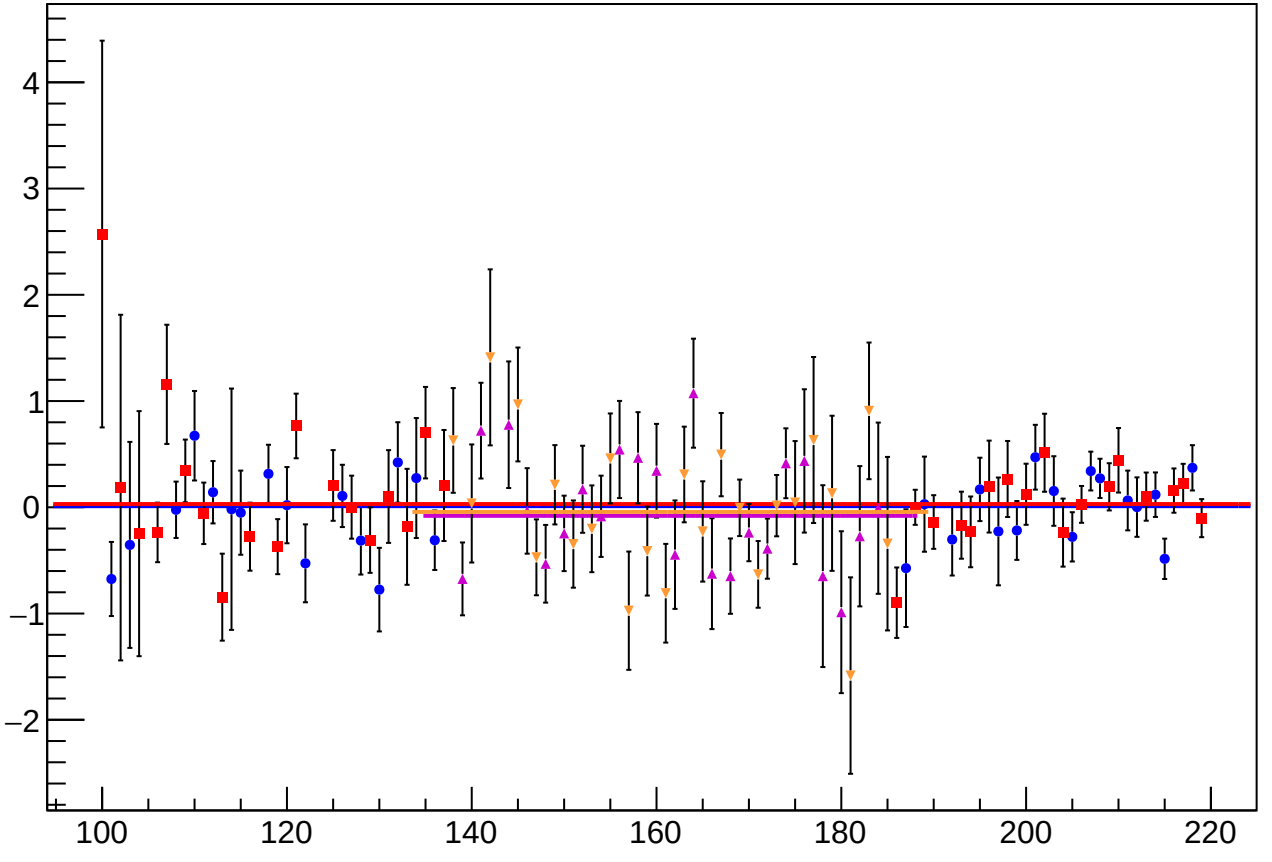
Right: 211.117+/-0.025 χ^2/NDF: 6102225.7/66

In: 254.343+/-0.032 χ^2/NDF:8481536.7/54

Out: 241.176+/-0.030 χ^2/NDF:11405800.5/58

All: 247.482+/-0.022 χ^2/NDF: 19977329.4/11

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.052 χ^2/NDF: 40.4/31

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: 0.030+/-0.049 χ^2/NDF: 43.0/34

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

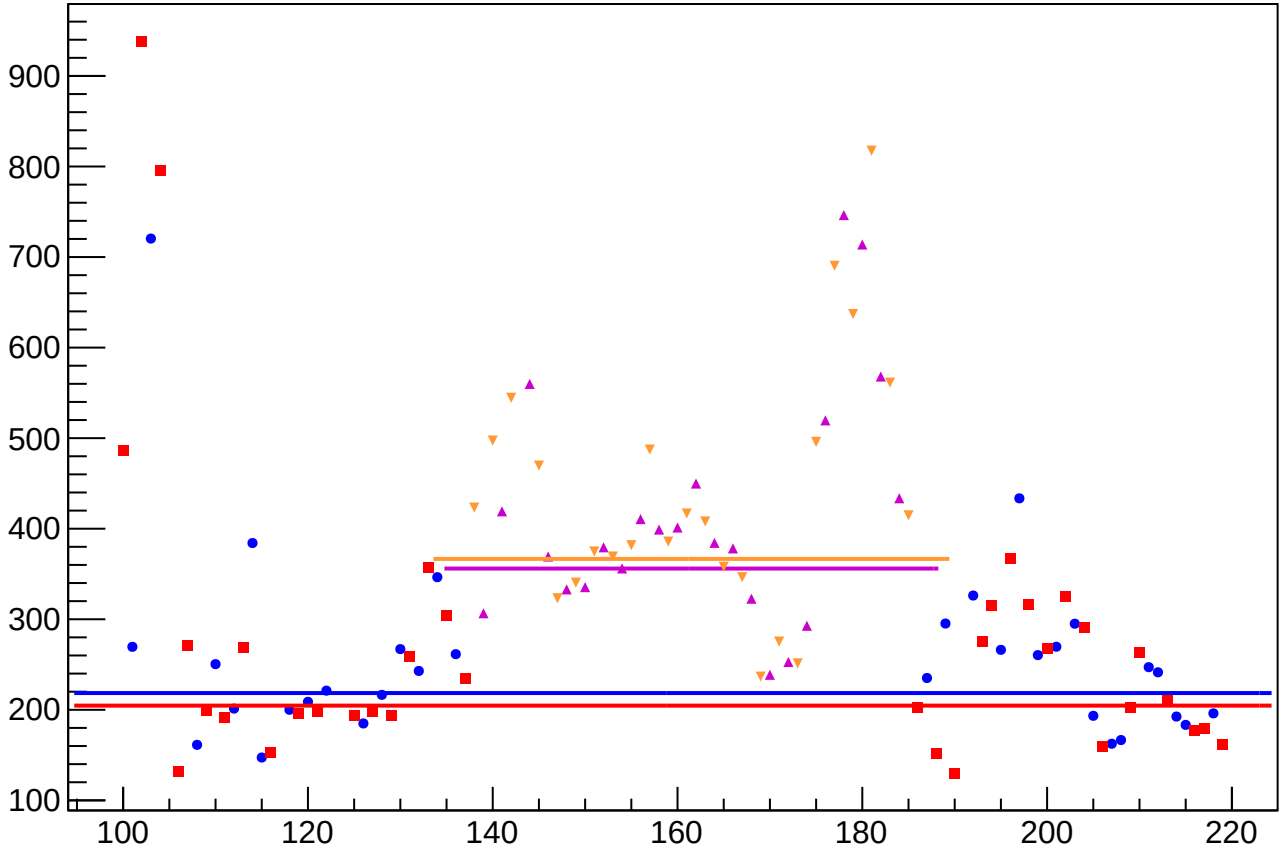
Right: 0.021+/-0.036 χ^2/NDF: 83.4/66

In: -0.013+/-0.045 χ^2/NDF:71.5/54

Out: 0.014+/-0.043 χ^2/NDF:74.5/58

All: 0.001+/-0.031 χ^2/NDF: 146.2/113

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 218.508+/-0.037 χ^2/NDF: 2432429.9/31

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 204.631+/-0.035 χ^2/NDF: 3594255.9/34

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

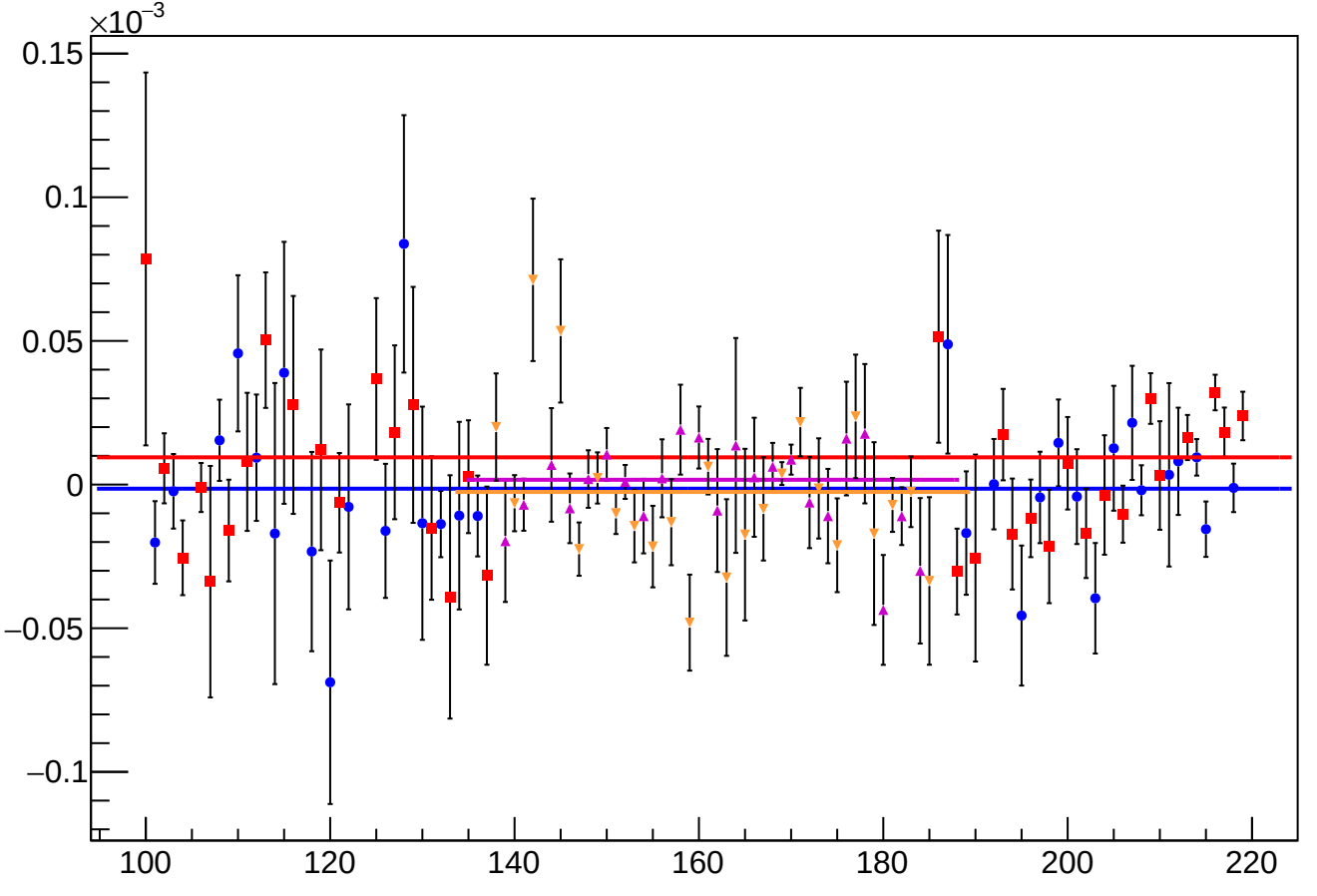
Right: 211.117+/-0.025 χ^2/NDF: 6102225.7/66

In: 254.343+/-0.032 χ^2/NDF:8481536.7/54

Out: 241.176+/-0.030 χ^2/NDF:11405800.5/58

All: 247.482+/-0.022 χ^2/NDF: 19977329.4/11

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 33.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 69.9/34

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

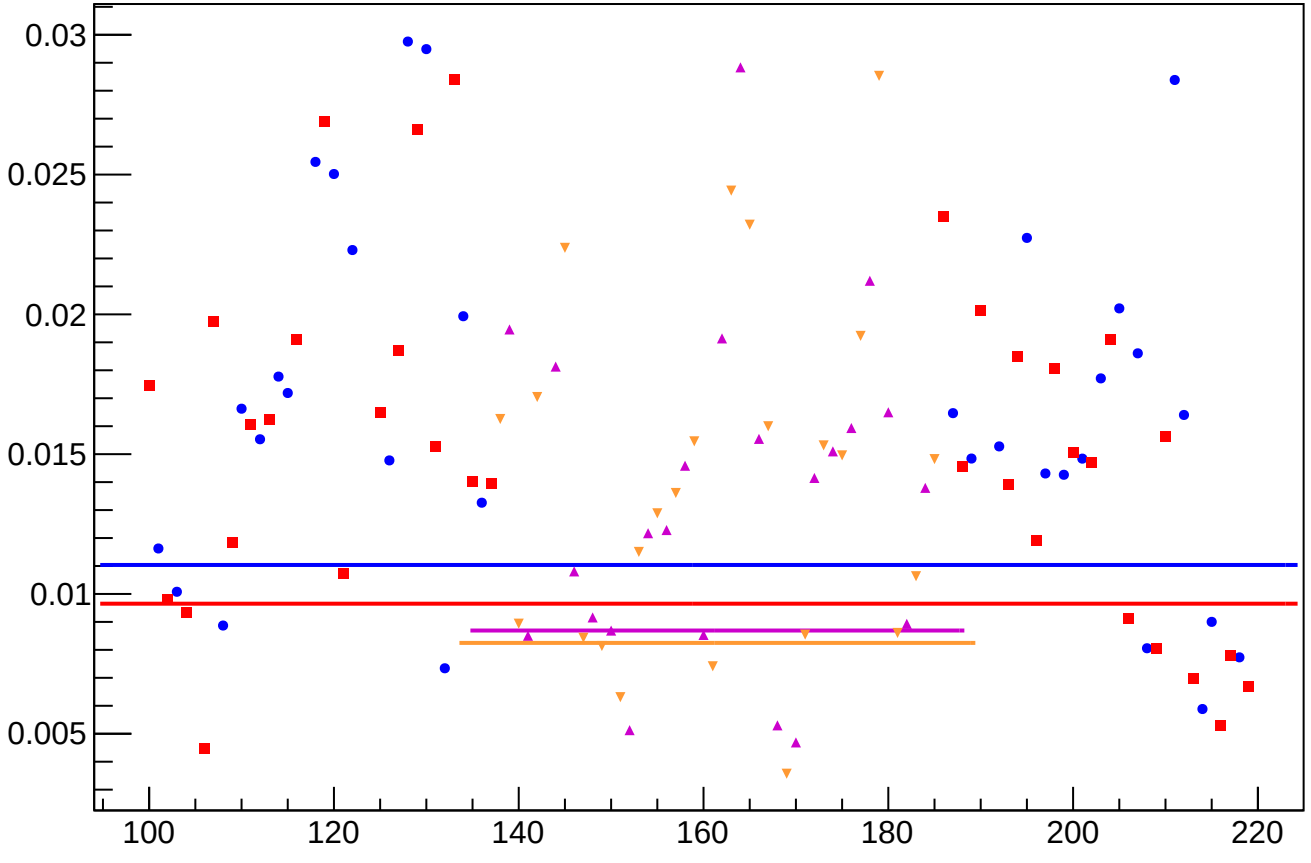
Right: 0.000+/-0.000 χ^2/NDF: 112.6/66

In: 0.000+/-0.000 χ^2/NDF:55.2/54

Out: 0.000+/-0.000 χ^2/NDF:126.7/58

All: 0.000+/-0.000 χ^2/NDF: 183.2/113

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 6861906.3/31

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.010+/-0.000 χ^2/NDF: 7442503.4/34

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

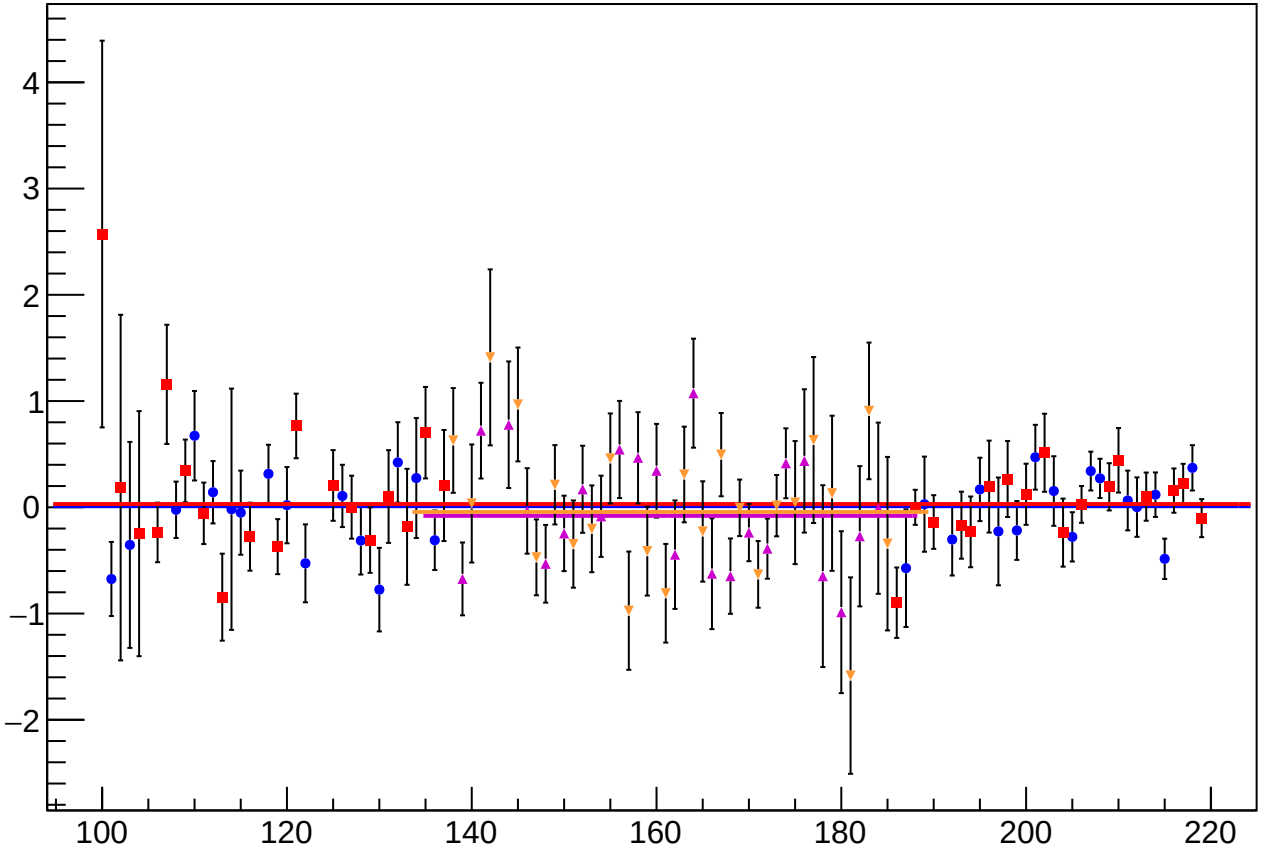
Right: 0.010+/-0.000 χ^2/NDF: 14594223.0/66

In: 0.010+/-0.000 χ^2/NDF:14580494.0/54

Out: 0.009+/-0.000 χ^2/NDF:16683833.0/58

All: 0.009+/-0.000 χ^2/NDF: 31468366.0/113

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.052 χ^2/NDF: 40.4/31

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: 0.030+/-0.049 χ^2/NDF: 43.0/34

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

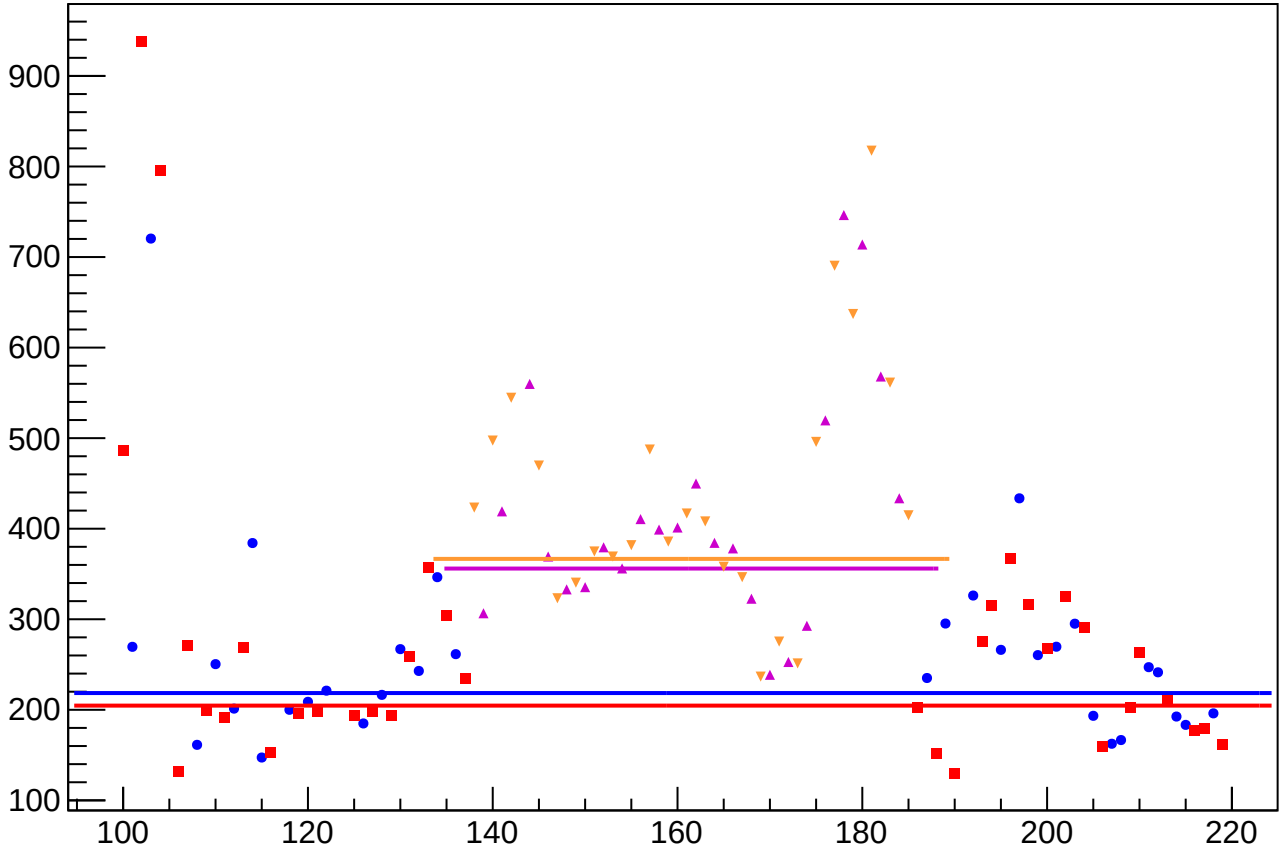
Right: 0.021+/-0.036 χ^2/NDF: 83.4/66

In: -0.013+/-0.045 χ^2/NDF:71.5/54

Out: 0.014+/-0.043 χ^2/NDF:74.5/58

All: 0.001+/-0.031 χ^2/NDF: 146.2/113

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 218.507+/-0.037 χ^2/NDF: 2432458.1/31

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 204.629+/-0.035 χ^2/NDF: 3594318.2/34

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

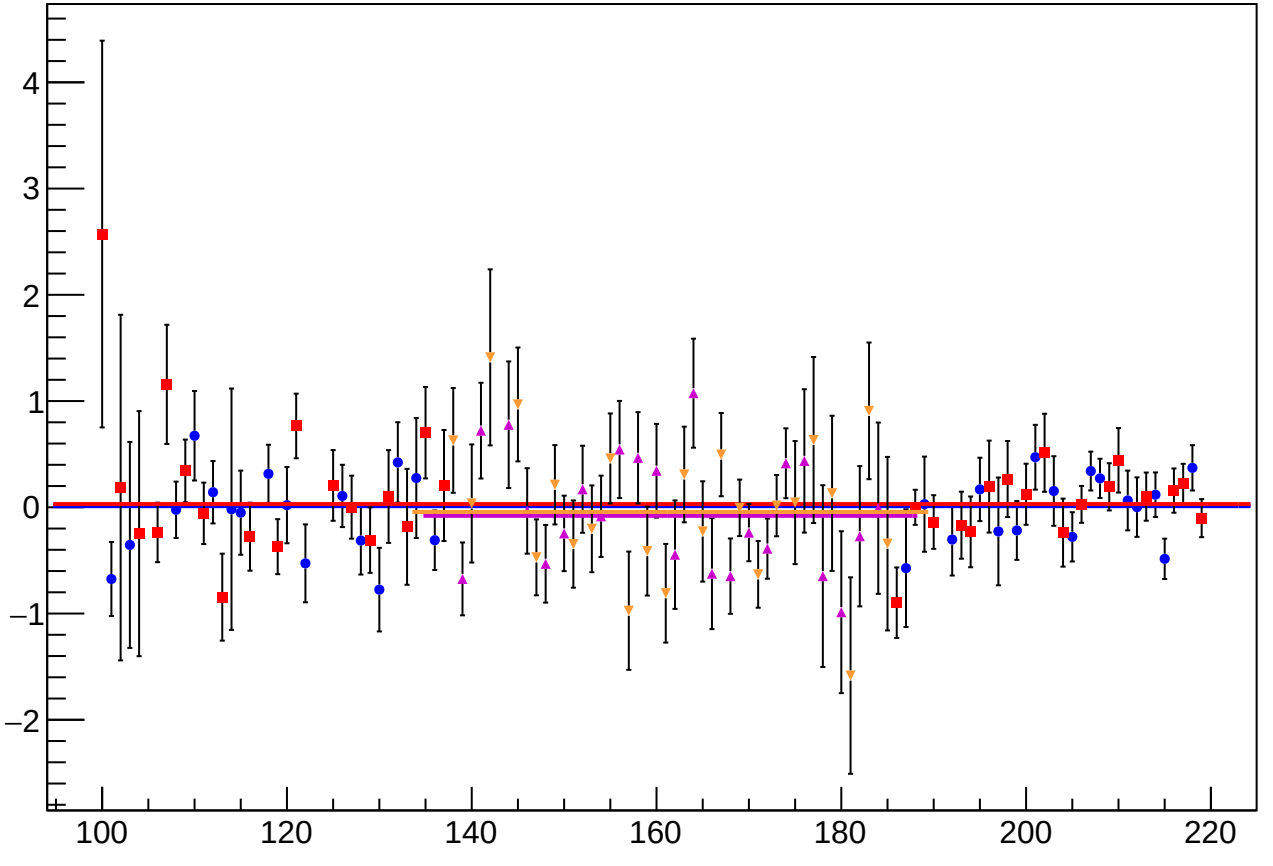
Right: 211.115+/-0.025 χ^2/NDF: 6102332.8/66

In: 254.342+/-0.032 χ^2/NDF:8481831.6/54

Out: 241.173+/-0.030 χ^2/NDF:11406244.0/58

All: 247.480+/-0.022 χ^2/NDF: 19978091.3/11

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.052 χ^2/NDF: 40.4/31

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: 0.030+/-0.049 χ^2/NDF: 43.0/34

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

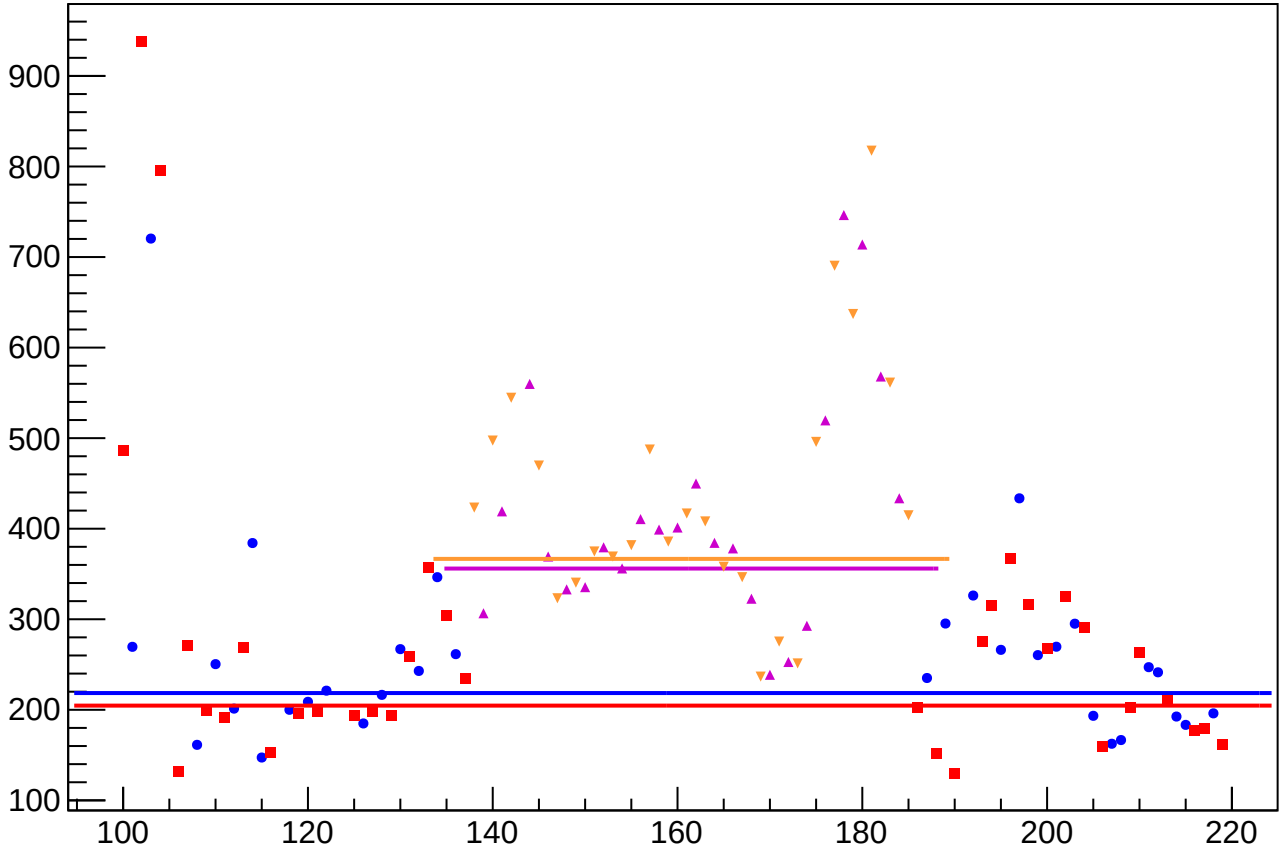
Right: 0.021+/-0.036 χ^2/NDF: 83.4/66

In: -0.013+/-0.045 χ^2/NDF:71.5/54

Out: 0.014+/-0.043 χ^2/NDF:74.5/58

All: 0.001+/-0.031 χ^2/NDF: 146.2/113

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 218.507+/-0.037 χ^2/NDF: 2432458.1/31

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 204.629+/-0.035 χ^2/NDF: 3594318.2/34

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

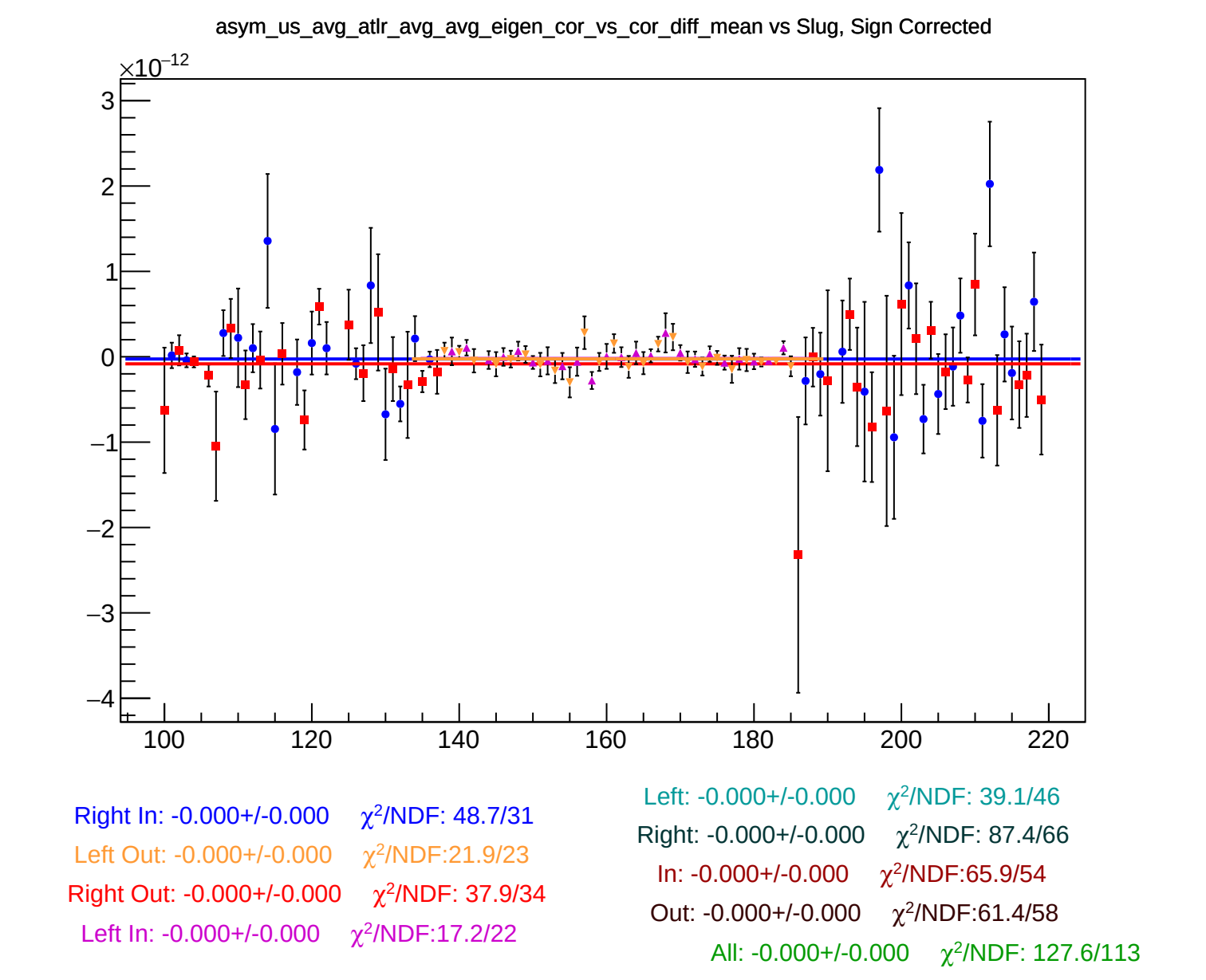
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

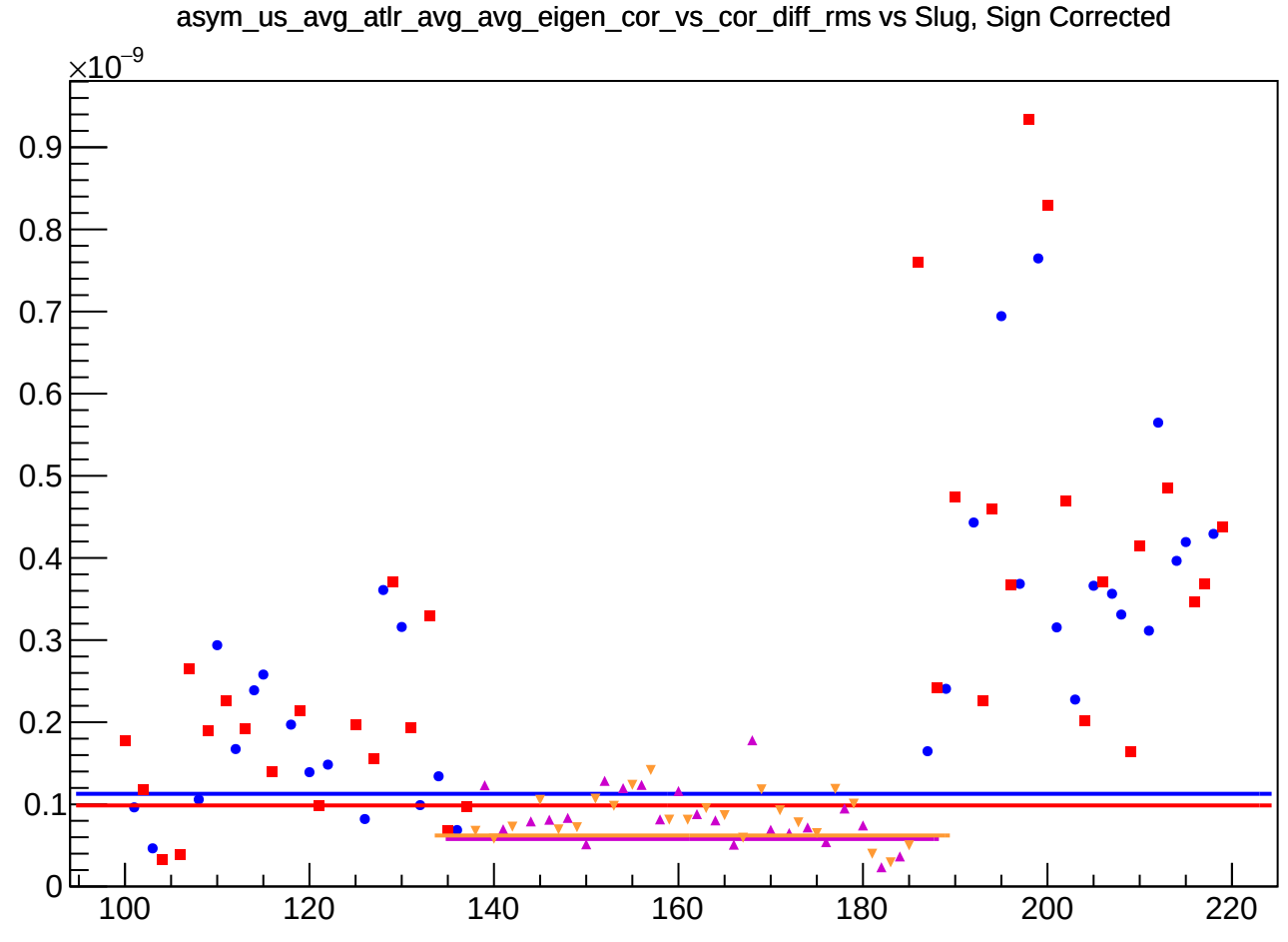
Right: 211.115+/-0.025 χ^2/NDF: 6102332.8/66

In: 254.342+/-0.032 χ^2/NDF:8481831.6/54

Out: 241.173+/-0.030 χ^2/NDF:11406244.0/58

All: 247.480+/-0.022 χ^2/NDF: 19978091.3/11


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: 48.7/31
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 37.9/34
Left In: -0.000+/-0.000 χ²/NDF:17.2/22
Left: -0.000+/-0.000 χ²/NDF: 39.1/46
Right: -0.000+/-0.000 χ²/NDF: 87.4/66
In: -0.000+/-0.000 χ²/NDF:65.9/54
Out: -0.000+/-0.000 χ²/NDF:61.4/58
All: -0.000+/-0.000 χ²/NDF: 127.6/113



Right In: 0.000+/-0.000 χ^2/NDF: 10658933.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12876428.8/34

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

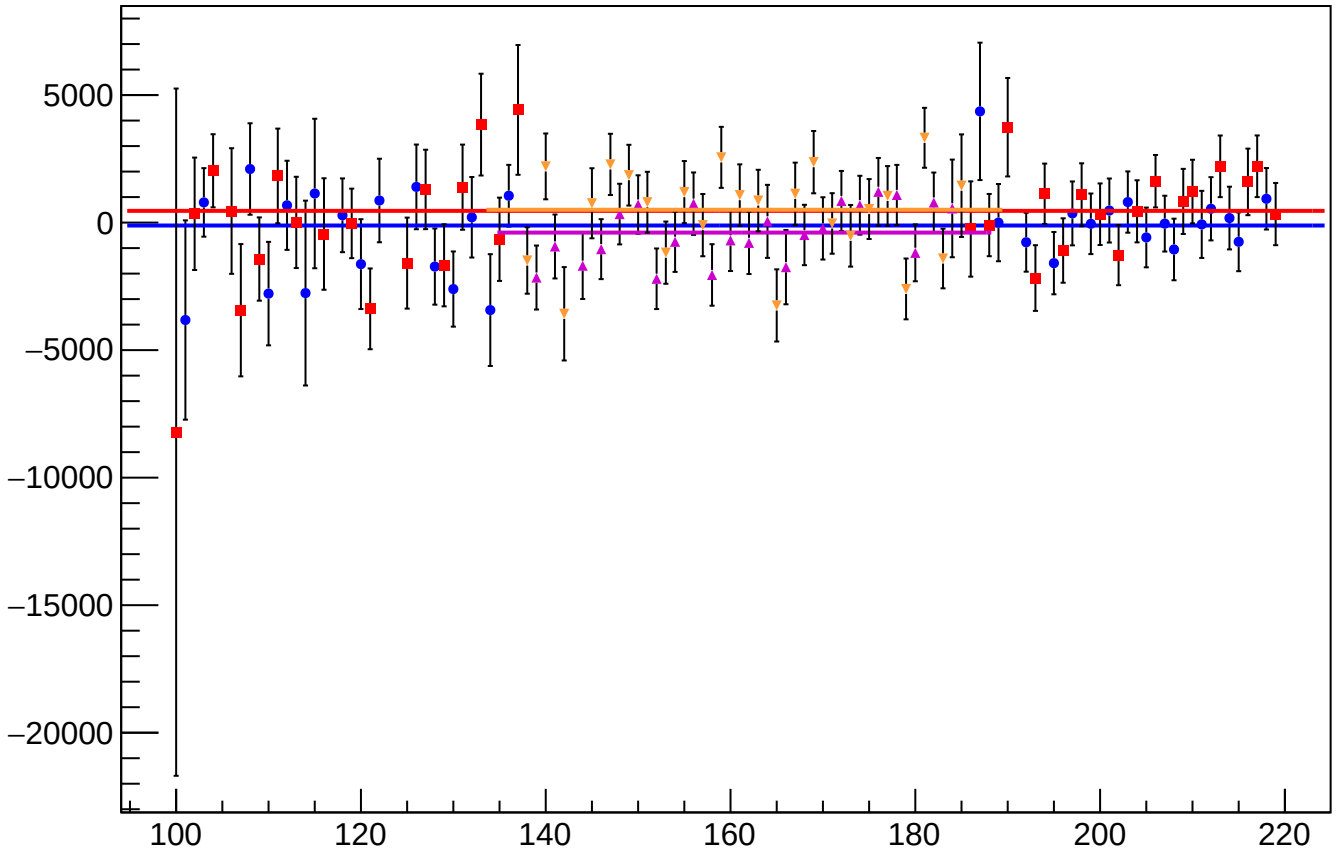
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 23643580.9/66

In: 0.000+/-0.000 χ^2/NDF:18790302.7/54

Out: 0.000+/-0.000 χ^2/NDF:18250922.3/58

All: 0.000+/-0.000 χ^2/NDF: 37064659.1/113



Right In: -114.514+/-252.534 χ^2/NDF: 22.5/31

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 460.110+/-248.980 χ^2/NDF: 39.8/34

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

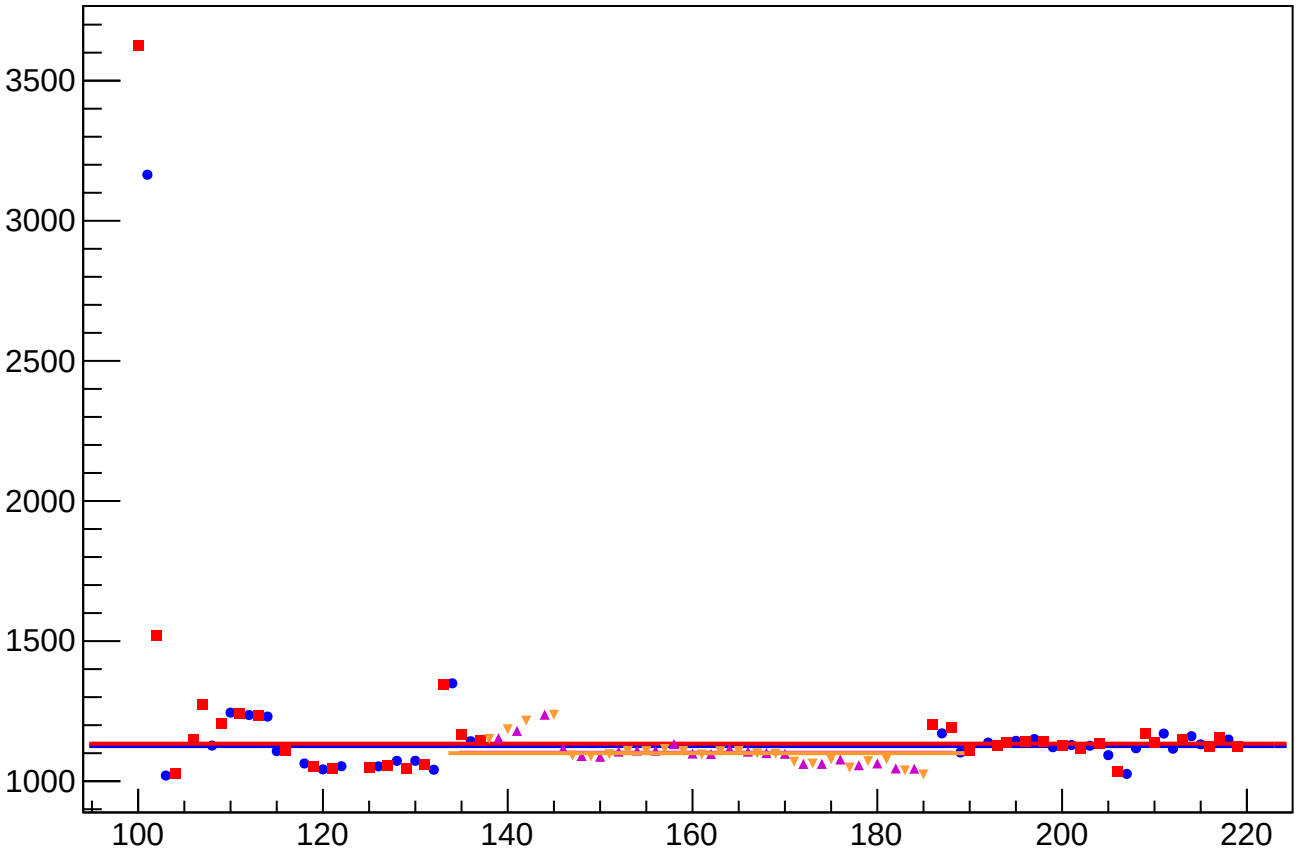
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: 176.870+/-177.298 χ^2/NDF: 64.9/66

In: -250.471+/-180.260 χ^2/NDF:40.9/54

Out: 481.293+/-178.326 χ^2/NDF:84.4/58

All: 119.357+/-126.774 χ^2/NDF: 133.6/113



Right In: 1125.404+/-0.179 χ^2/NDF: 646956.6/31

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1134.038+/-0.176 χ^2/NDF: 250417.1/34

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

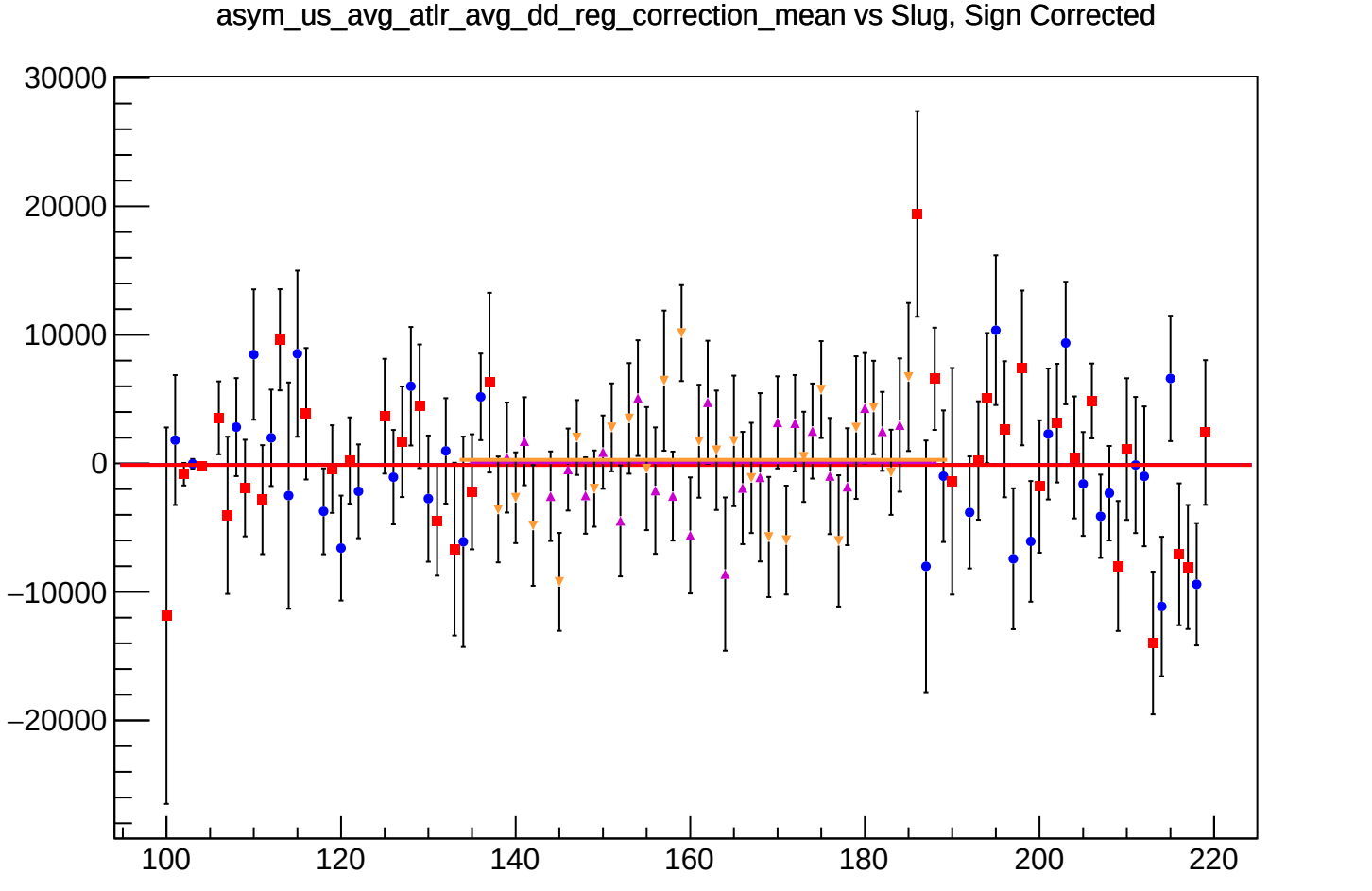
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1129.785+/-0.125 χ^2/NDF: 898559.8/66

In: 1113.694+/-0.127 χ^2/NDF:707870.2/54

Out: 1117.502+/-0.126 χ^2/NDF:327298.0/58

All: 1115.619+/-0.090 χ^2/NDF: 1035619.5/11



Right In: -112.072+/-342.397 χ^2/NDF: 39.1/31

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

Right Out: -124.769+/-311.409 χ^2/NDF: 44.2/34

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

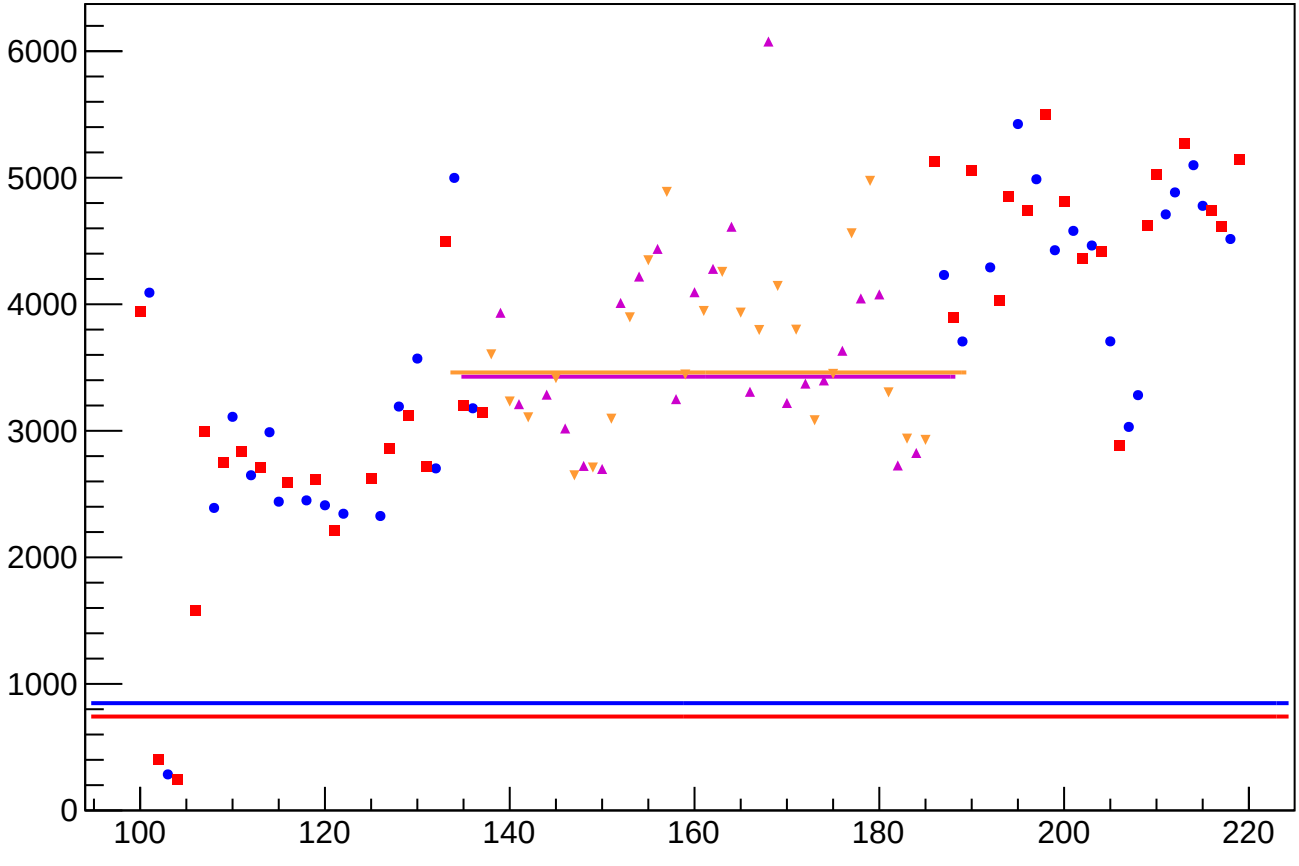
Right: -119.021+/-230.378 χ^2/NDF: 83.3/66

In: -81.190+/-315.799 χ^2/NDF:52.8/54

Out: -74.118+/-291.145 χ^2/NDF:74.2/58

All: -77.367+/-214.057 χ^2/NDF: 127.1/113

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 847.856+/-0.242 χ^2/NDF: 27664291.7/31

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 742.158+/-0.220 χ^2/NDF: 29610824.9/34

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

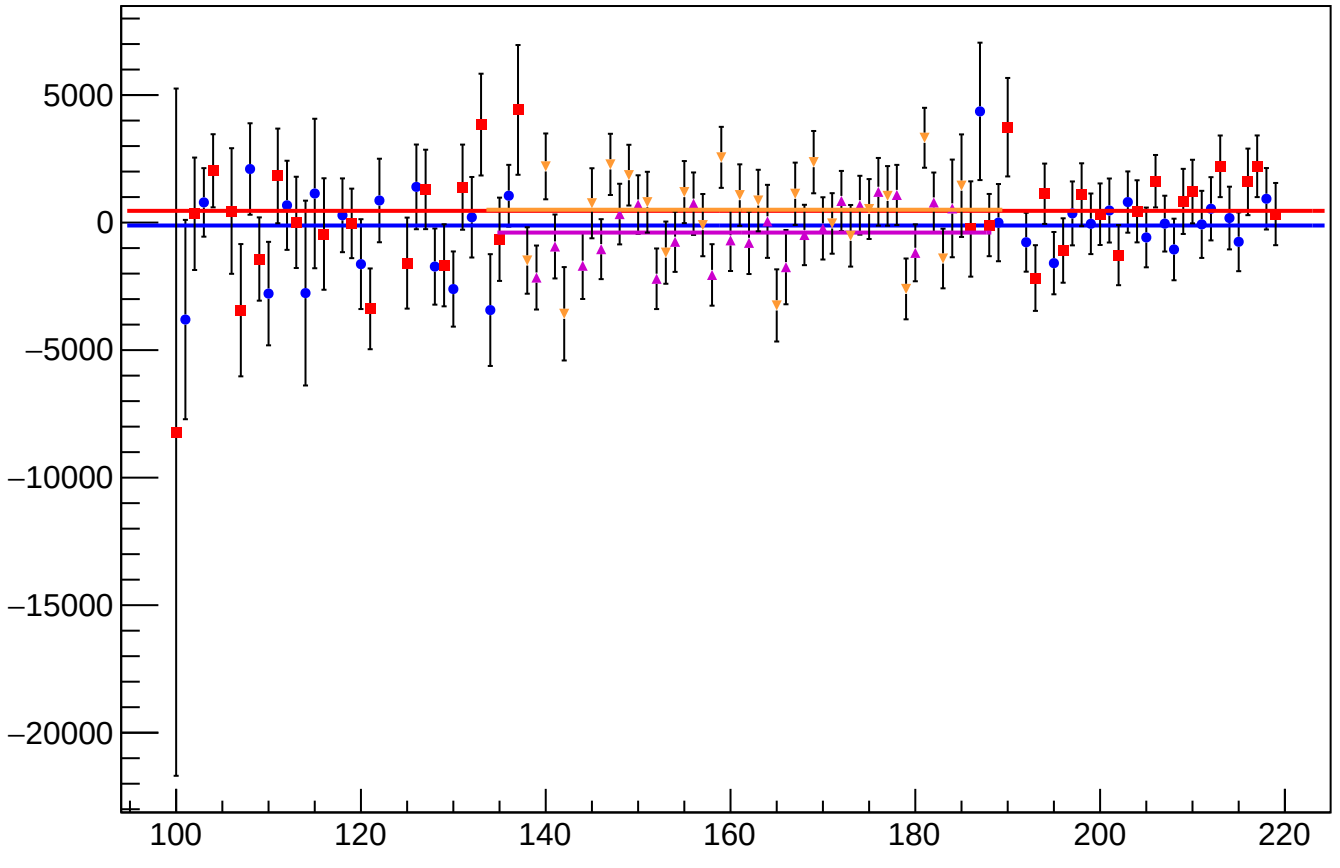
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 790.009+/-0.163 χ^2/NDF: 57379425.0/66

In: 1233.122+/-0.223 χ^2/NDF:45864540.6/54

Out: 1084.521+/-0.206 χ^2/NDF:49868494.0/58

All: 1152.795+/-0.151 χ^2/NDF: 95972417.1/1



Right In: -114.460+/-252.534 χ^2/NDF: 22.5/31

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 460.132+/-248.980 χ^2/NDF: 39.8/34

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

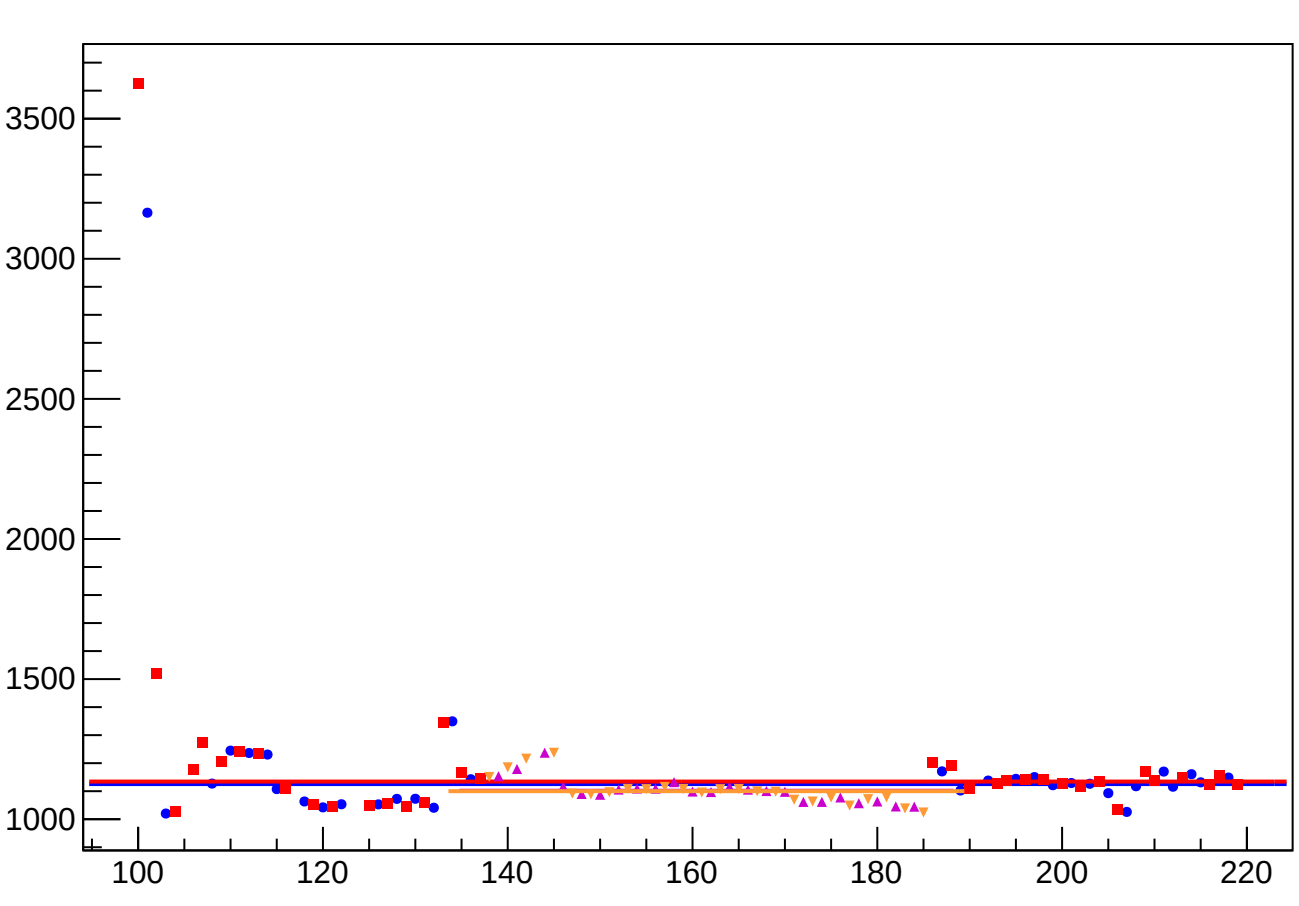
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 176.908+/-177.298 χ^2/NDF: 64.9/66

In: -250.437+/-180.260 χ^2/NDF:40.9/54

Out: 481.340+/-178.326 χ^2/NDF:84.4/58

All: 119.397+/-126.774 χ^2/NDF: 133.6/113



Right In: 1125.404+/-0.179 χ^2/NDF: 646957.8/31

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1134.356+/-0.176 χ^2/NDF: 251023.9/34

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

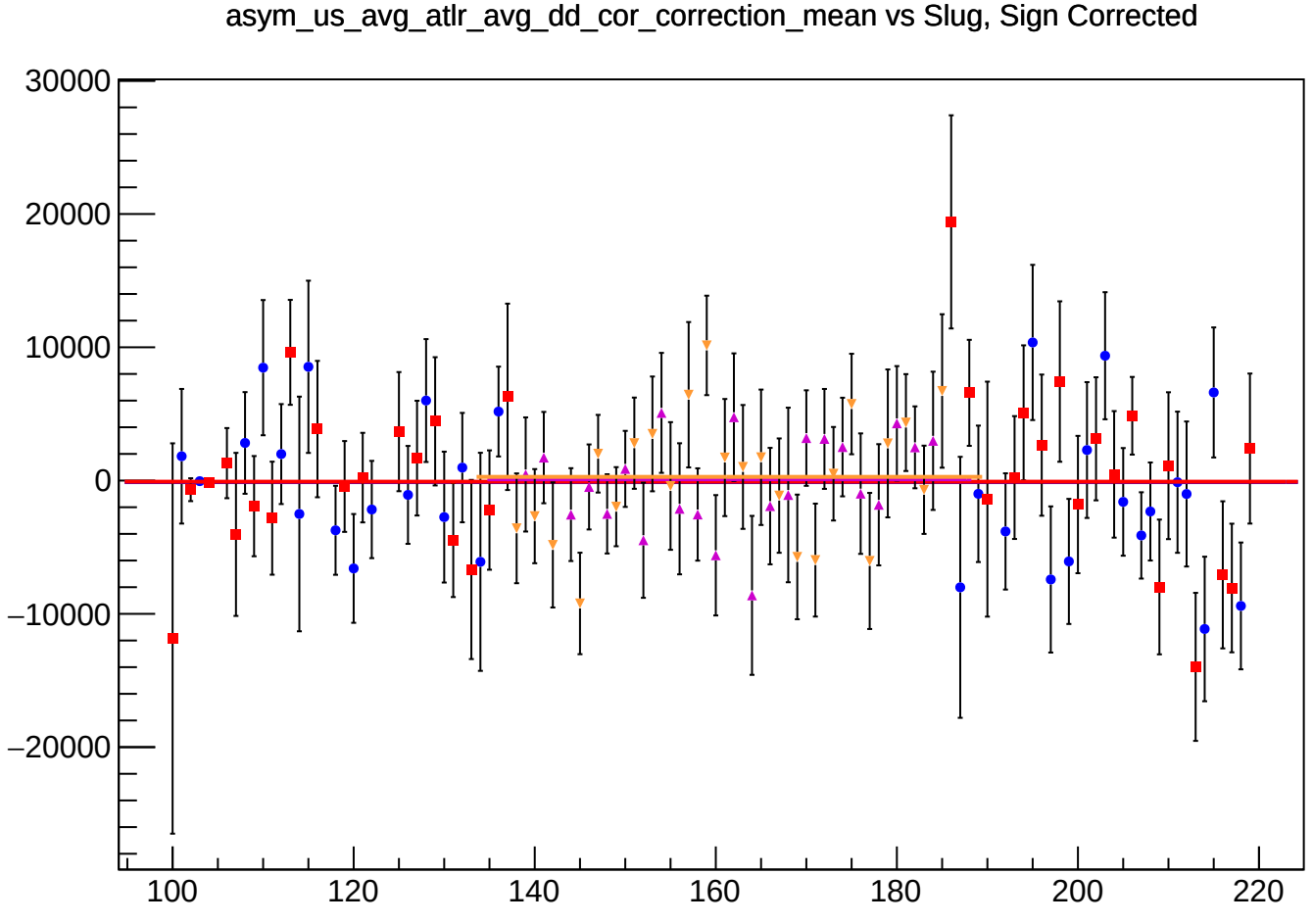
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1129.944+/-0.125 χ^2/NDF: 899256.2/66

In: 1113.694+/-0.127 χ^2/NDF:707871.3/54

Out: 1117.658+/-0.126 χ^2/NDF:328238.4/58

All: 1115.698+/-0.090 χ^2/NDF: 1036598.5/11



Right In: -117.440+/-330.827 χ^2/NDF: 39.1/31

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -84.637+/-306.742 χ^2/NDF: 42.5/34

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

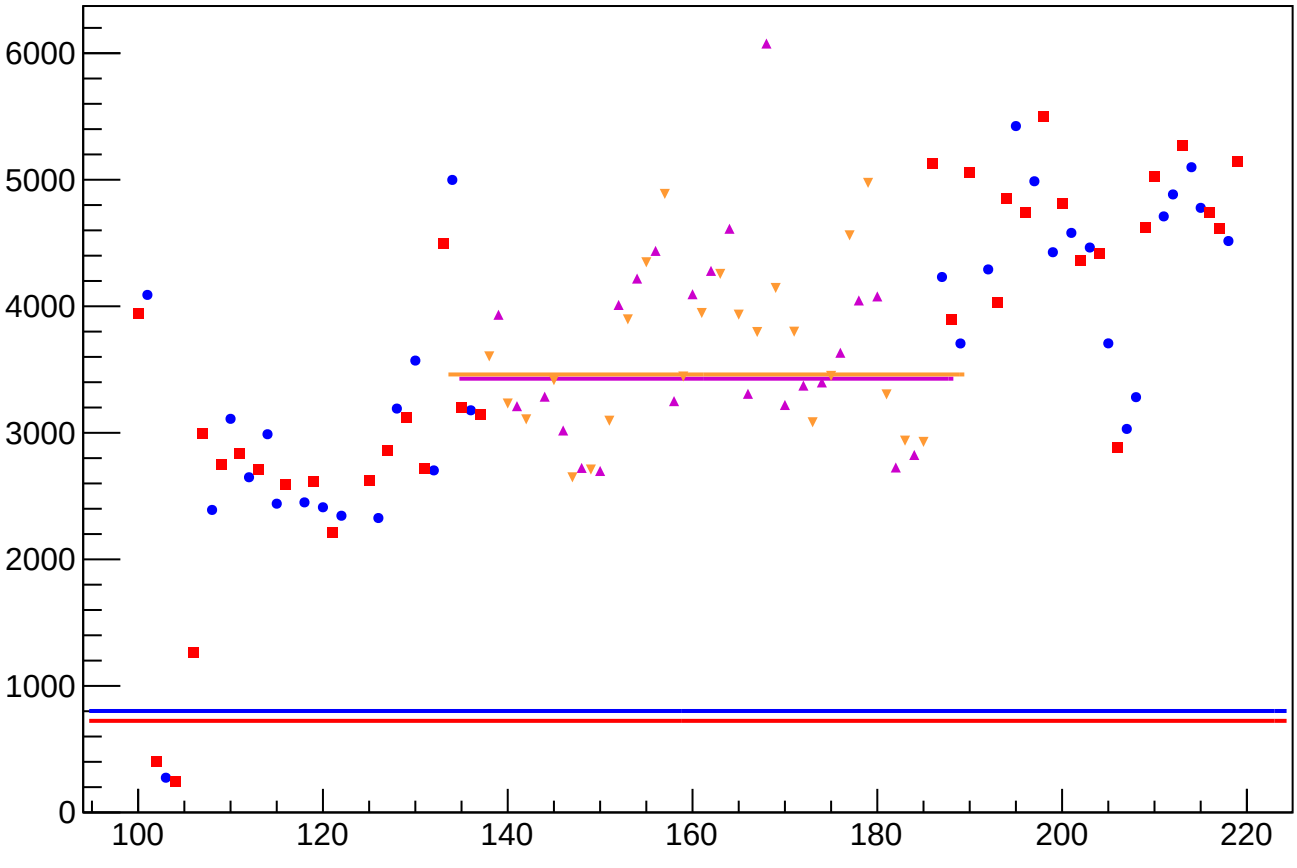
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -99.801+/-224.933 χ^2/NDF: 81.6/66

In: -87.564+/-306.653 χ^2/NDF:52.8/54

Out: -40.226+/-287.320 χ^2/NDF:72.5/58

All: -62.356+/-209.668 χ^2/NDF: 125.4/113



Right In: 801.837+/-0.234 χ^2/NDF: 28189170.6/31

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 723.880+/-0.217 χ^2/NDF: 29690029.0/34

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

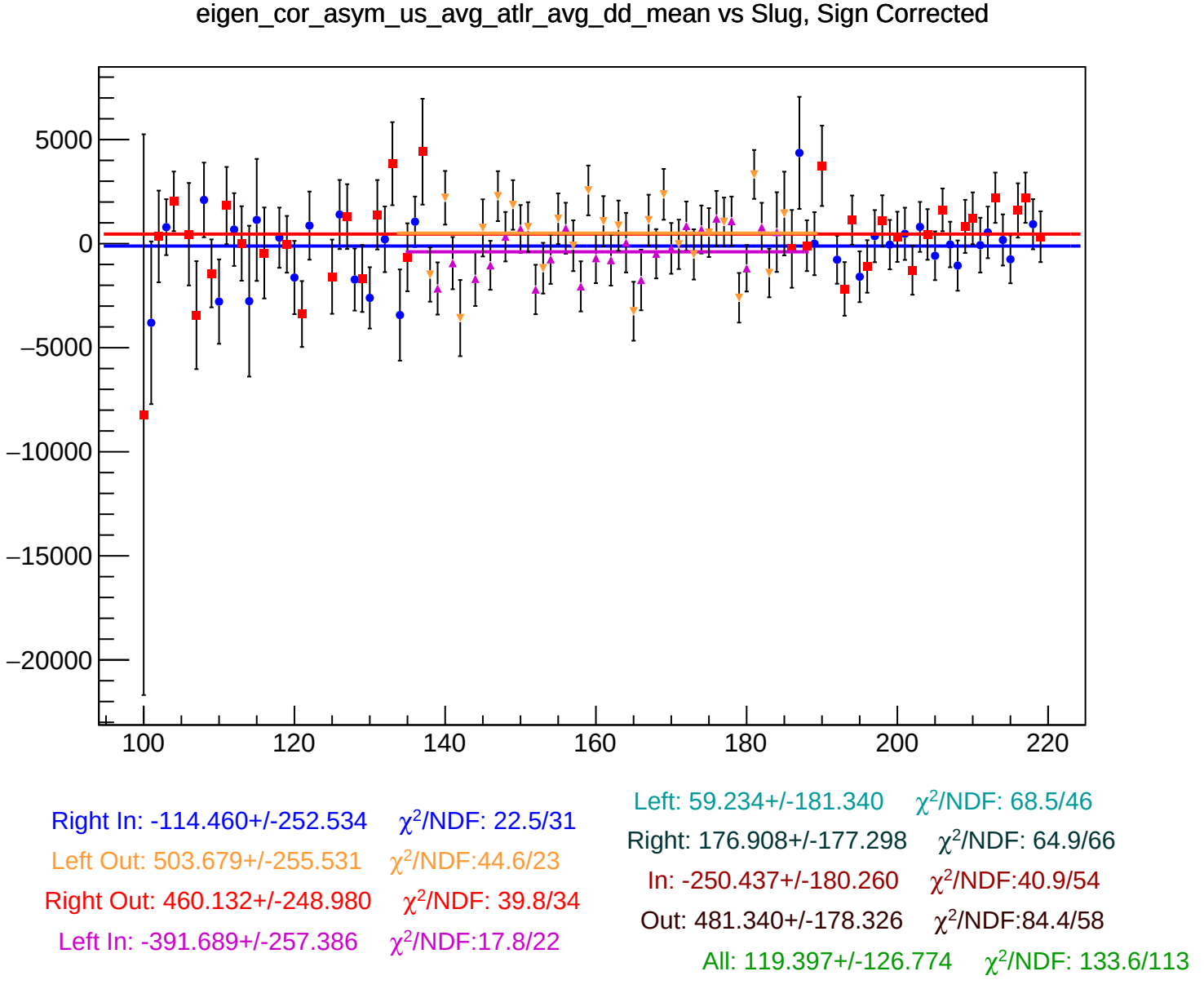
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

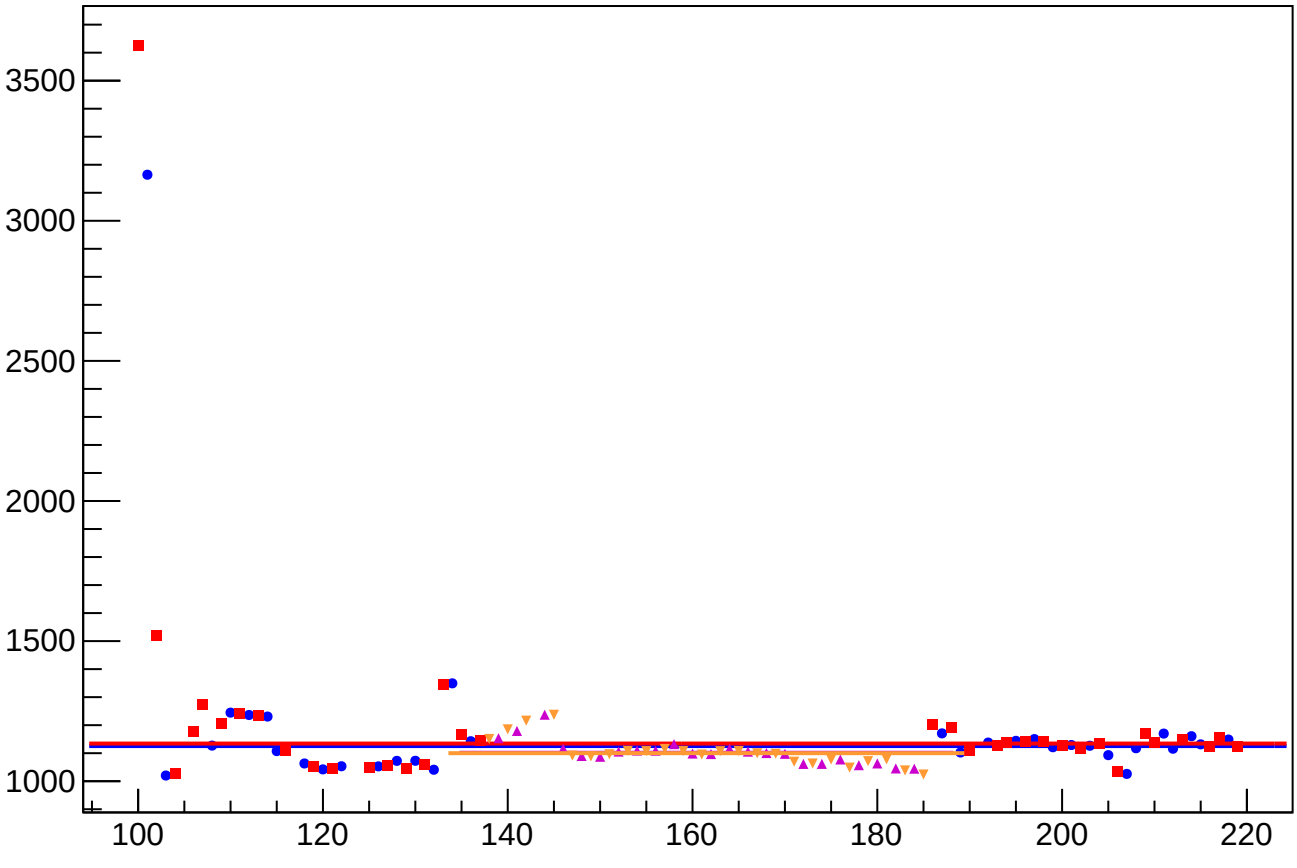
Right: 759.918+/-0.159 χ^2/NDF: 57938915.8/66

In: 1171.591+/-0.217 χ^2/NDF:47175761.3/54

Out: 1059.548+/-0.203 χ^2/NDF:50279853.1/58

All: 1111.926+/-0.148 χ^2/NDF: 97597793.4/1


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -114.460+/-252.534 χ²/NDF: 22.5/31
Left Out: 503.679+/-255.531 χ²/NDF:44.6/23
Right Out: 460.132+/-248.980 χ²/NDF: 39.8/34
Left In: -391.689+/-257.386 χ²/NDF:17.8/22
Left: 59.234+/-181.340 χ²/NDF: 68.5/46
Right: 176.908+/-177.298 χ²/NDF: 64.9/66
In: -250.437+/-180.260 χ²/NDF:40.9/54
Out: 481.340+/-178.326 χ²/NDF:84.4/58
All: 119.397+/-126.774 χ²/NDF: 133.6/113



Right In: 1125.404+/-0.179 χ^2/NDF: 646957.8/31

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1134.356+/-0.176 χ^2/NDF: 251023.9/34

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

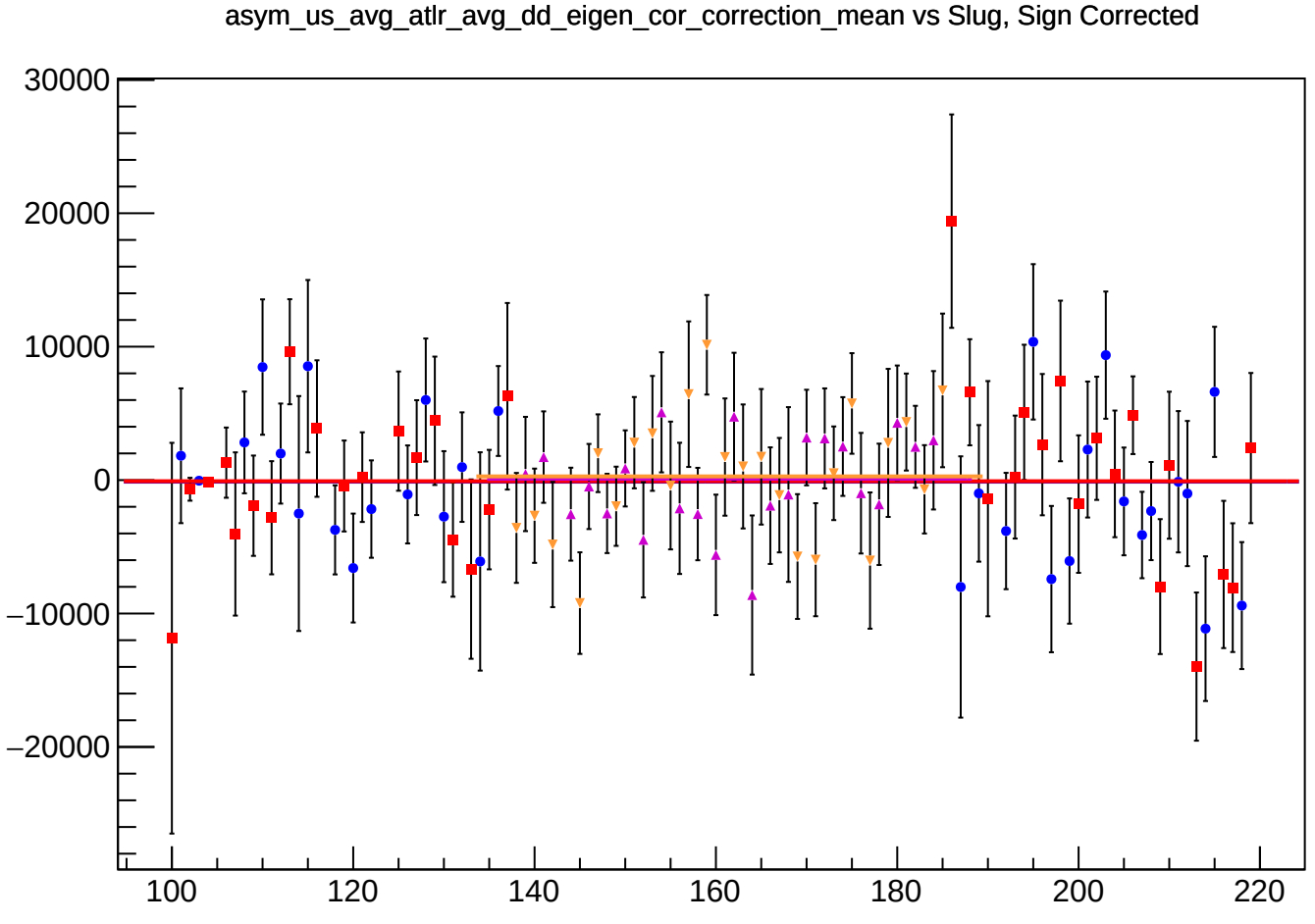
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

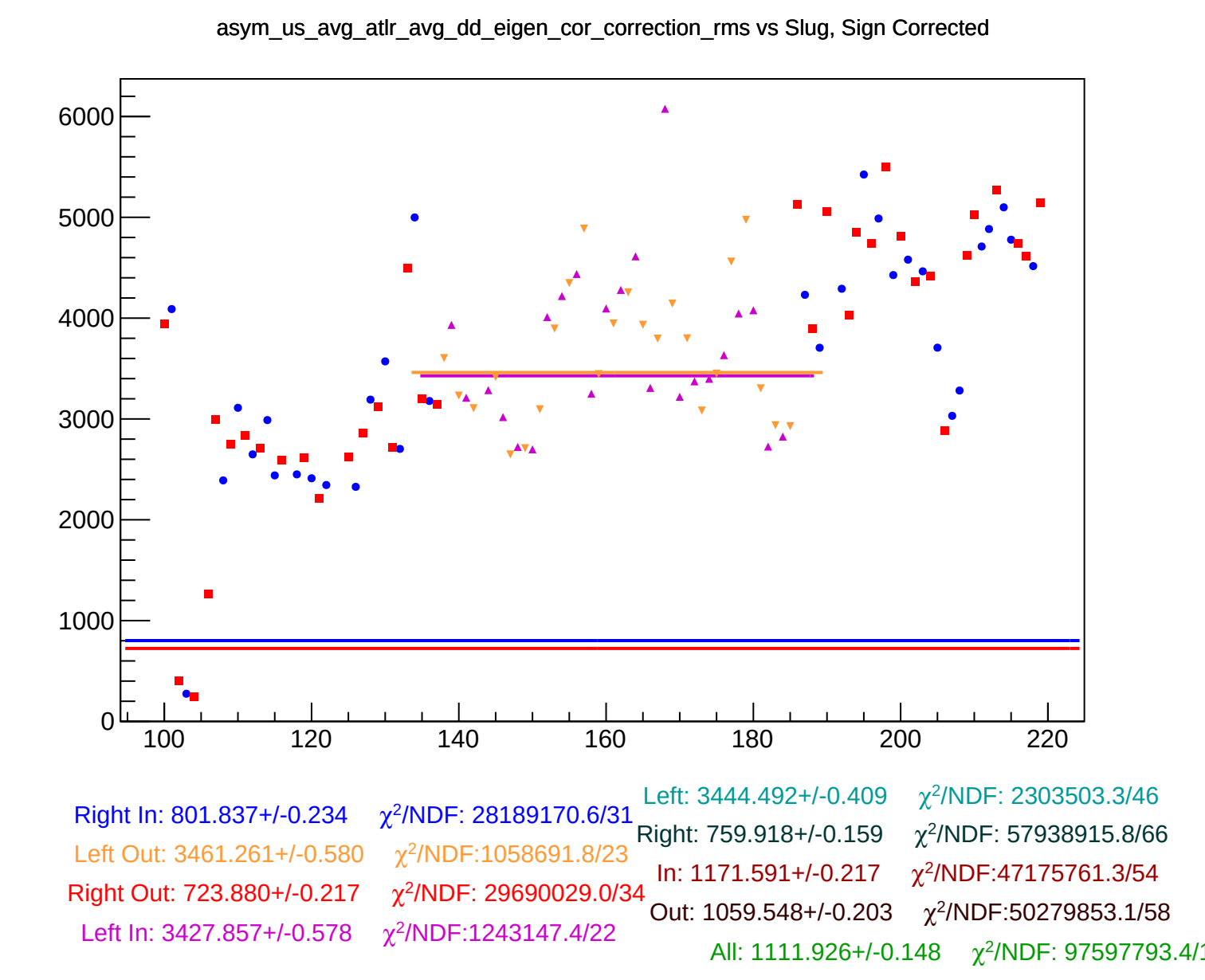
Right: 1129.944+/-0.125 χ^2/NDF: 899256.2/66

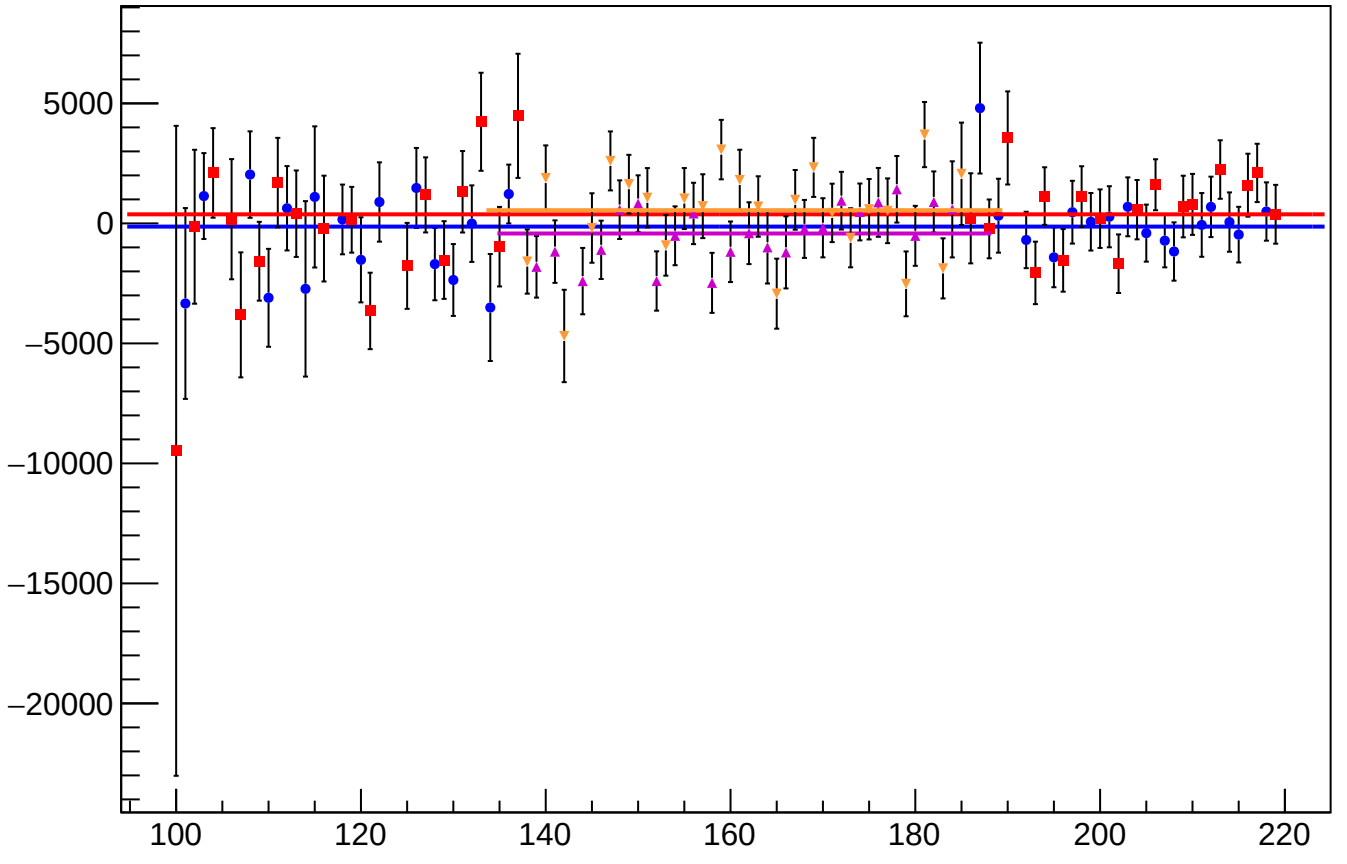
In: 1113.694+/-0.127 χ^2/NDF:707871.3/54

Out: 1117.658+/-0.126 χ^2/NDF:328238.4/58

All: 1115.698+/-0.090 χ^2/NDF: 1036598.5/11


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -117.440+/-330.827 χ²/NDF: 39.1/31
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: -84.637+/-306.742 χ²/NDF: 42.5/34
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -99.801+/-224.933 χ²/NDF: 81.6/66
In: -87.564+/-306.653 χ²/NDF:52.8/54
Out: -40.226+/-287.320 χ²/NDF:72.5/58
All: -62.356+/-209.668 χ²/NDF: 125.4/113


asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 801.837+/-0.234 χ²/NDF: 28189170.6/31
Left Out: 3461.261+/-0.580 χ²/NDF:1058691.8/23
Right Out: 723.880+/-0.217 χ²/NDF: 29690029.0/34
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
Left: 3444.492+/-0.409 χ²/NDF: 2303503.3/46
Right: 759.918+/-0.159 χ²/NDF: 57938915.8/66
In: 1171.591+/-0.217 χ²/NDF:47175761.3/54
Out: 1059.548+/-0.203 χ²/NDF:50279853.1/58
All: 1111.926+/-0.148 χ²/NDF: 97597793.4/



Right In: -133.630+/-257.672 χ^2/NDF: 21.7/31

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 377.754+/-254.648 χ^2/NDF: 41.5/34

Left In: -421.023+/-269.815 χ^2/NDF:18.0/22

Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: 125.080+/-181.123 χ^2/NDF: 65.2/66

In: -270.714+/-186.346 χ^2/NDF:40.3/54

Out: 459.406+/-184.996 χ^2/NDF:87.0/58

All: 97.001+/-131.287 χ^2/NDF: 135.0/113

Right In: 1147.869+/-0.182 χ^2/NDF: 666647.5/31

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1156.576+/-0.180 χ^2/NDF: 358334.6/34

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

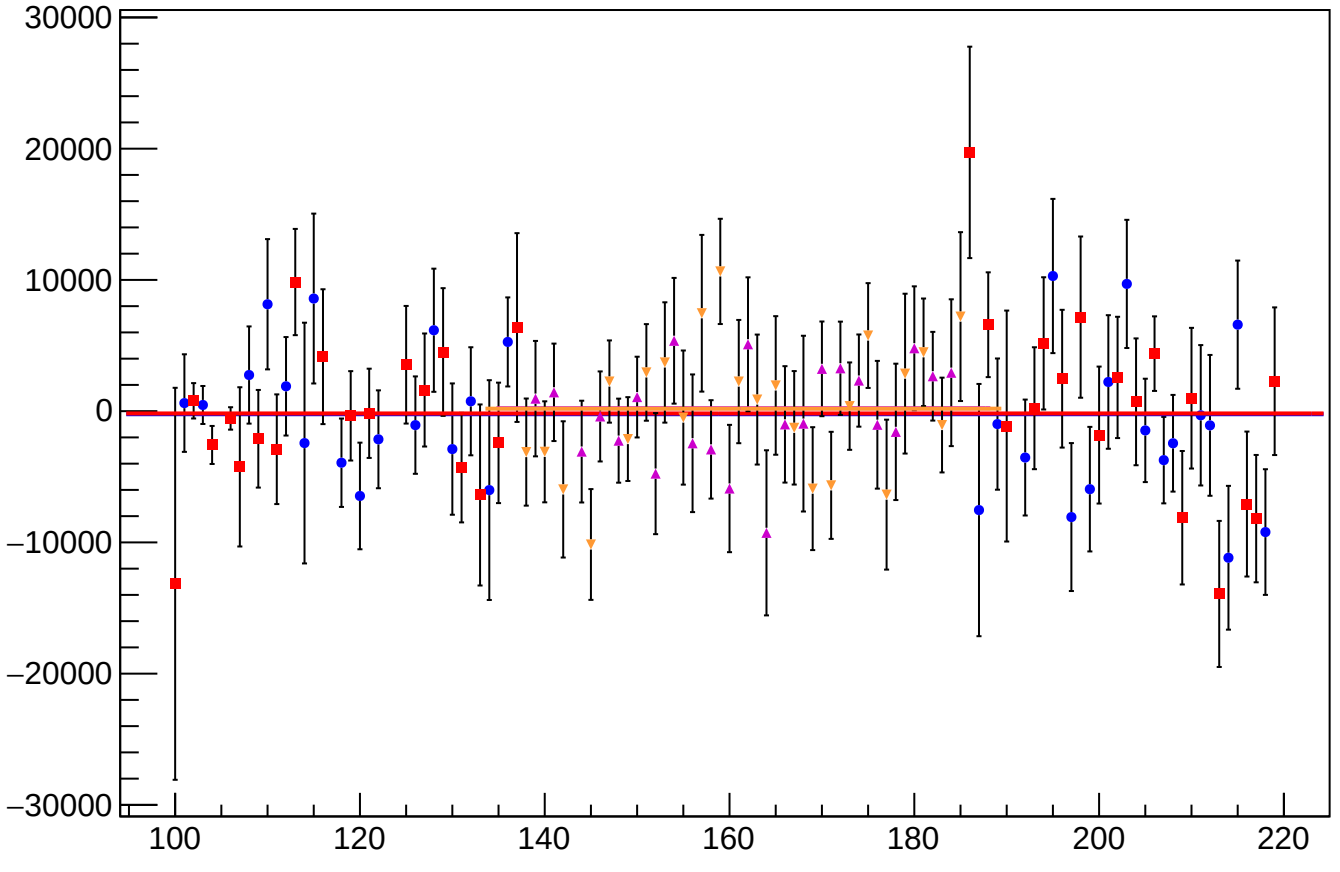
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1152.274+/-0.128 χ^2/NDF: 1026137.6/66

In: 1150.903+/-0.132 χ^2/NDF:733706.0/54

Out: 1157.332+/-0.131 χ^2/NDF:442483.7/58

All: 1154.141+/-0.093 χ^2/NDF: 1177388.5/11



Right In: -233.871+/-704.455 χ^2/NDF: 38.4/31

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: -173.771+/-511.276 χ^2/NDF: 44.8/34

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

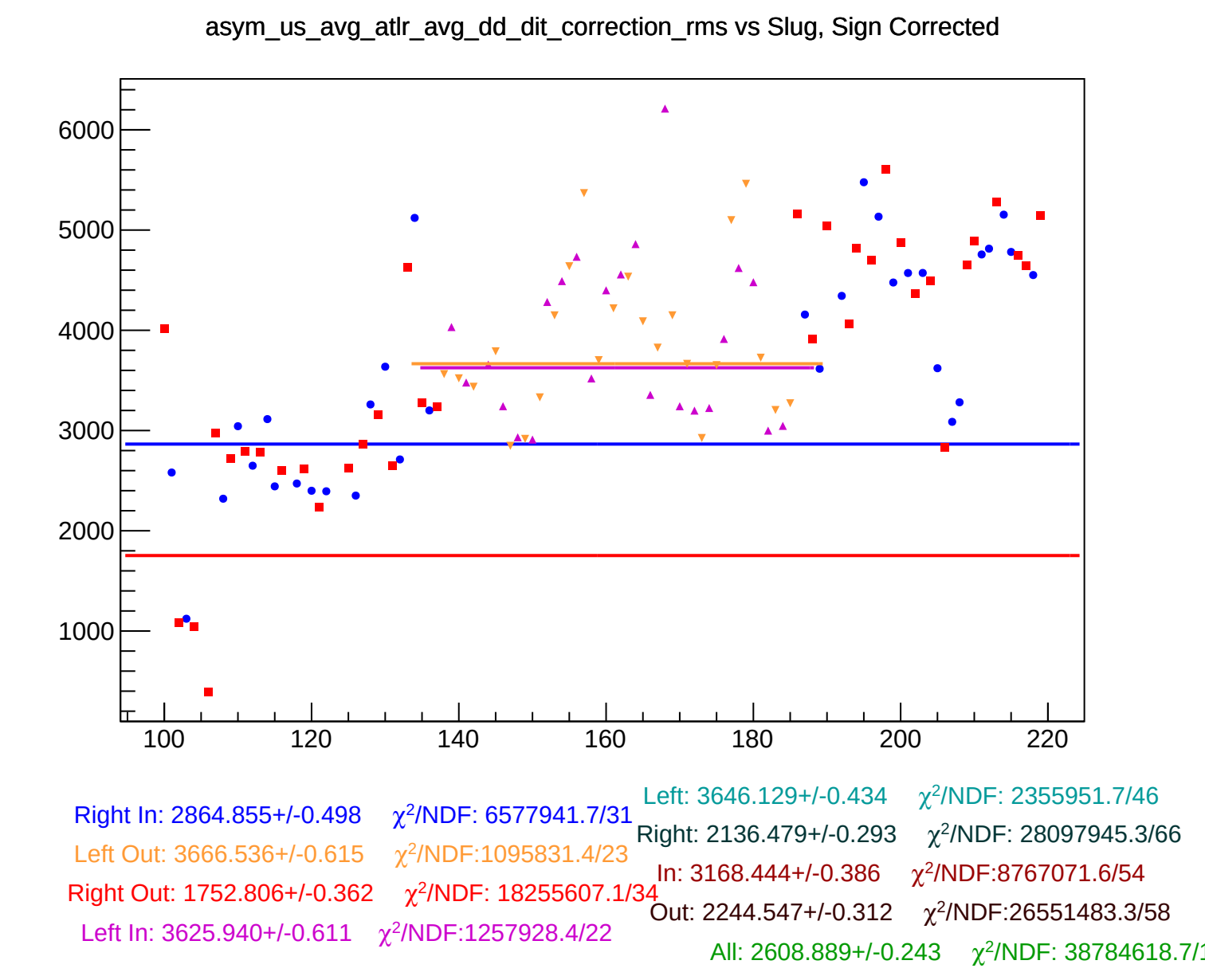
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

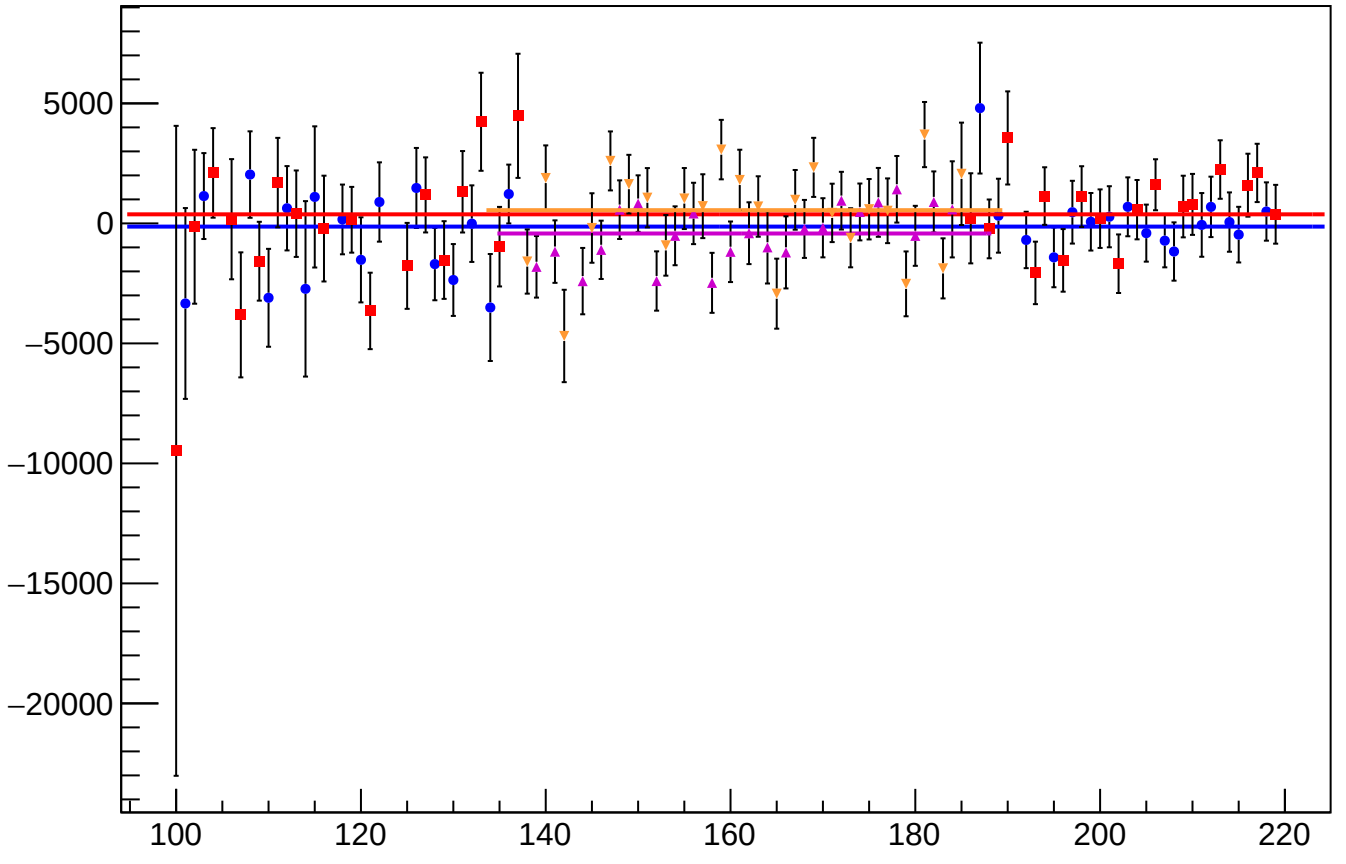
Right: -194.506+/-413.782 χ^2/NDF: 83.1/66

In: -52.283+/-546.173 χ^2/NDF:51.9/54

Out: -80.366+/-440.721 χ^2/NDF:74.2/58

All: -69.292+/-342.983 χ^2/NDF: 126.1/113


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: 2864.855+/-0.498 χ²/NDF: 6577941.7/31
Left Out: 3666.536+/-0.615 χ²/NDF:1095831.4/23
Right Out: 1752.806+/-0.362 χ²/NDF: 18255607.1/34
Left In: 3625.940+/-0.611 χ²/NDF:1257928.4/22
Left: 3646.129+/-0.434 χ²/NDF: 2355951.7/46
Right: 2136.479+/-0.293 χ²/NDF: 28097945.3/66
In: 3168.444+/-0.386 χ²/NDF:8767071.6/54
Out: 2244.547+/-0.312 χ²/NDF:26551483.3/58
All: 2608.889+/-0.243 χ²/NDF: 38784618.7/1



Right In: -133.627+/-257.672 χ^2/NDF: 21.7/31

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: 377.757+/-254.648 χ^2/NDF: 41.5/34

Left In: -421.022+/-269.815 χ^2/NDF:18.0/22

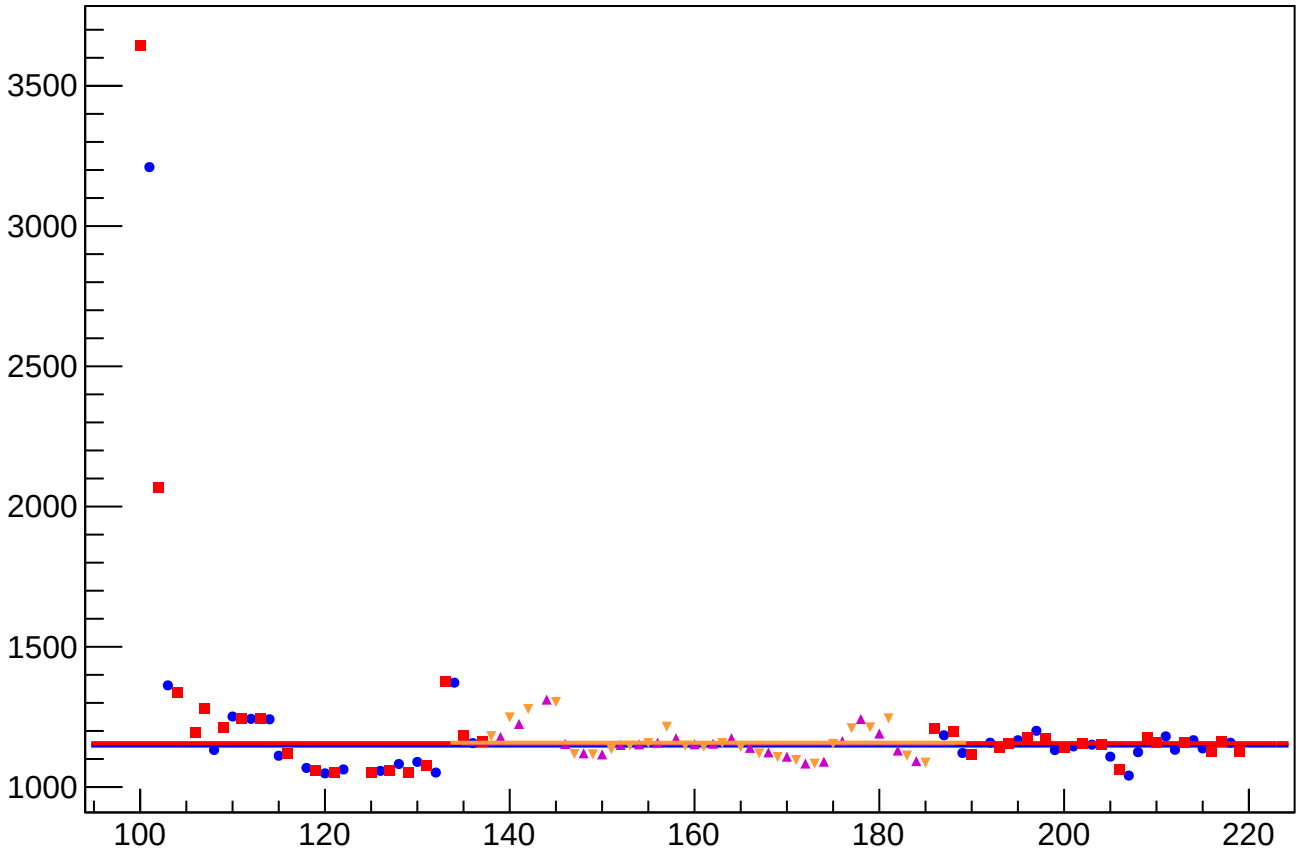
Left: 65.918+/-190.573 χ^2/NDF: 69.7/46

Right: 125.083+/-181.123 χ^2/NDF: 65.2/66

In: -270.712+/-186.347 χ^2/NDF:40.3/54

Out: 459.408+/-184.996 χ^2/NDF:87.0/58

All: 97.004+/-131.287 χ^2/NDF: 135.0/113



Right In: 1147.868+/-0.182 χ^2/NDF: 666647.9/31

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1156.575+/-0.180 χ^2/NDF: 358334.4/34

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

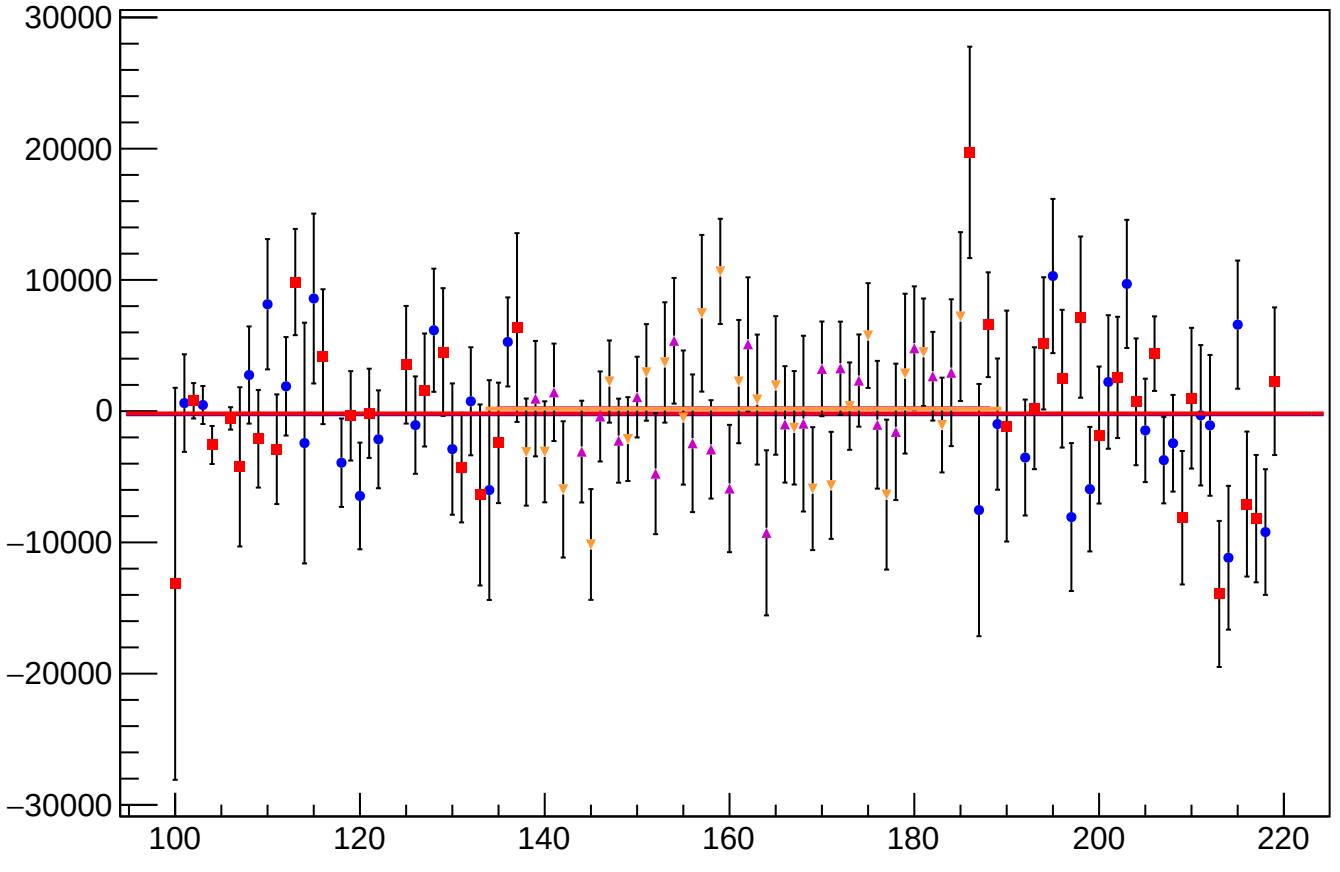
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1152.274+/-0.128 χ^2/NDF: 1026137.8/66

In: 1150.904+/-0.132 χ^2/NDF:733709.1/54

Out: 1157.332+/-0.131 χ^2/NDF:442486.1/58

All: 1154.141+/-0.093 χ^2/NDF: 1177394.0/11



Right In: -233.873+/-704.455 χ^2/NDF: 38.4/31

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

Right Out: -173.776+/-511.271 χ^2/NDF: 44.8/34

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

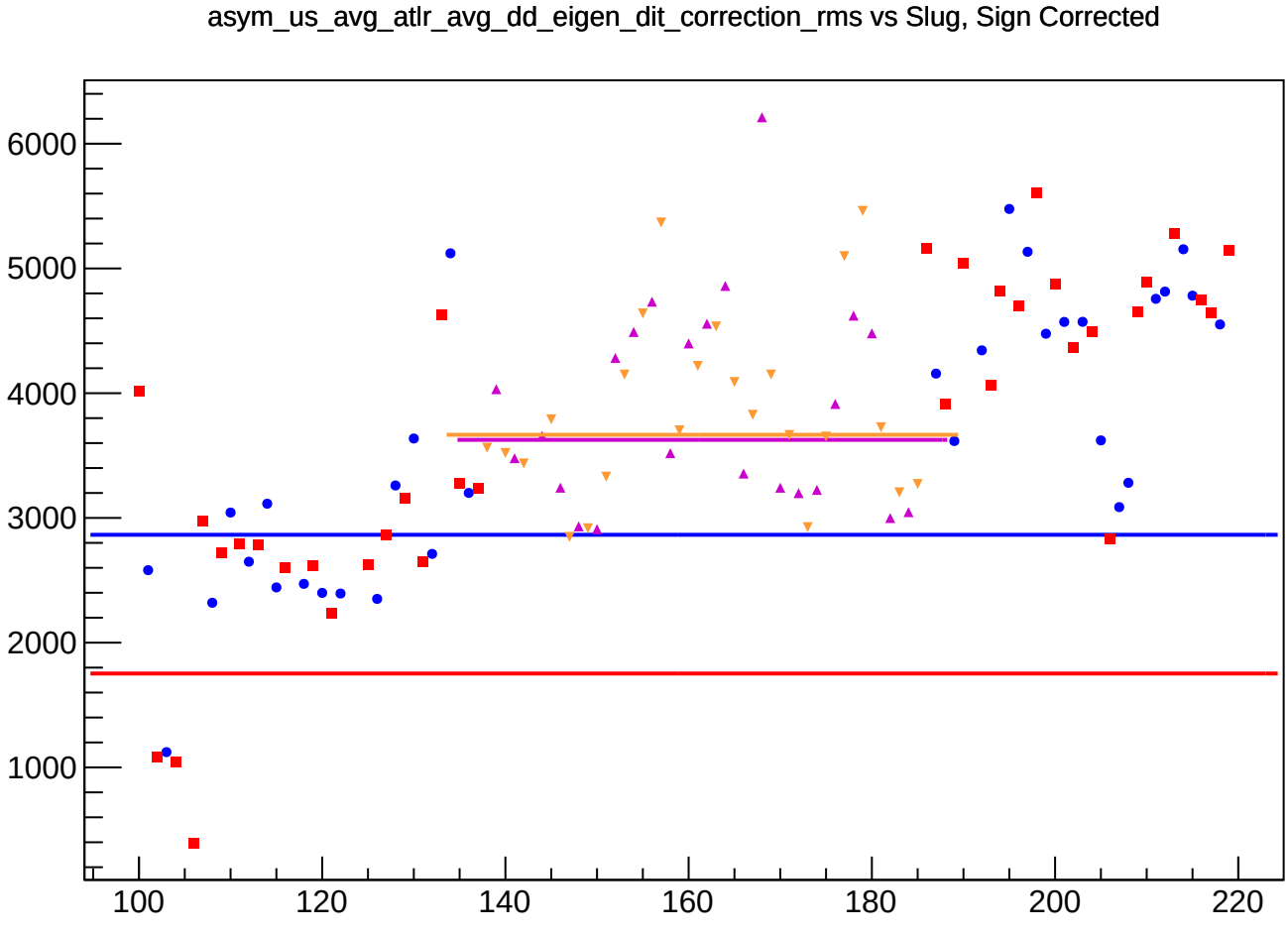
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

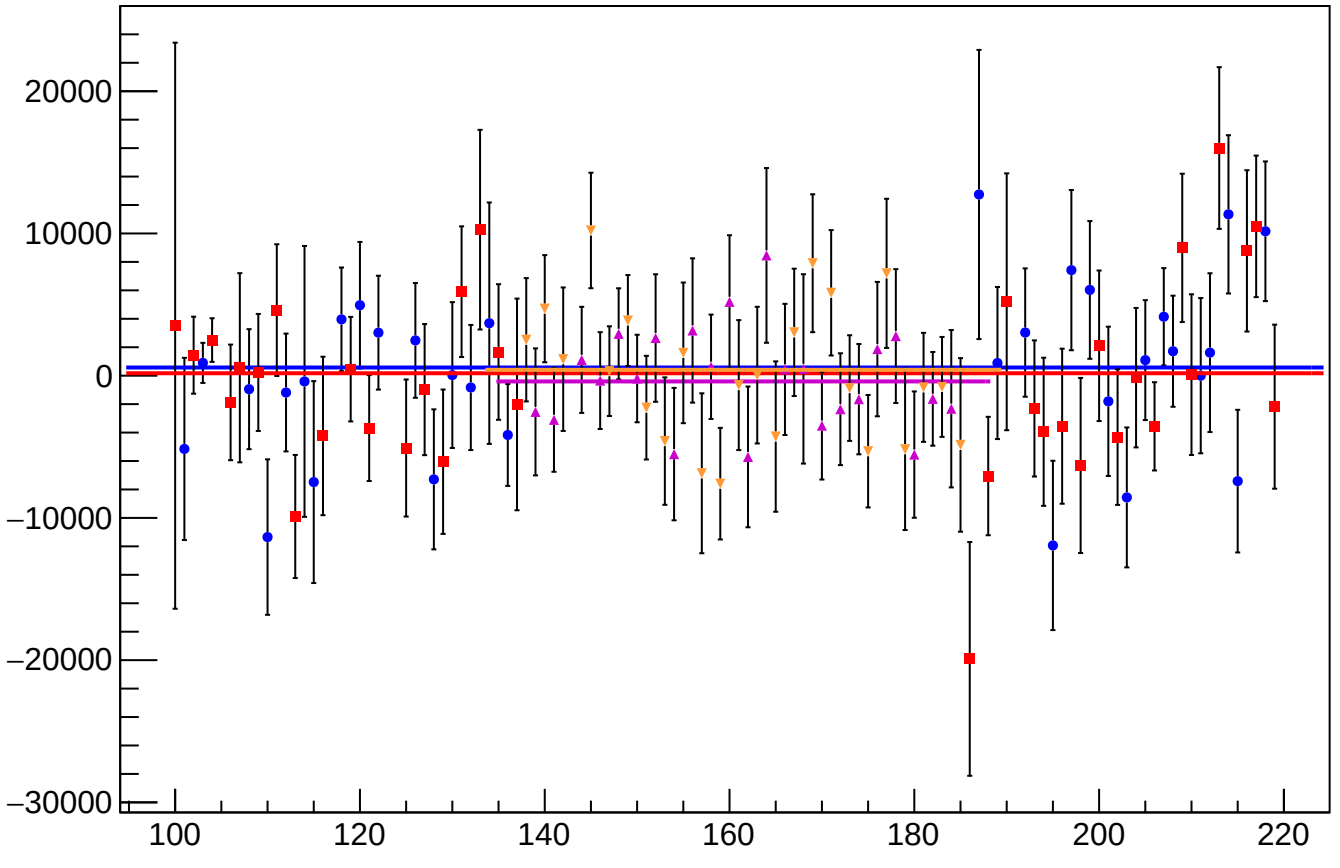
Right: -194.510+/-413.779 χ^2/NDF: 83.1/66

In: -52.284+/-546.173 χ^2/NDF:51.9/54

Out: -80.372+/-440.718 χ^2/NDF:74.2/58

All: -69.296+/-342.982 χ^2/NDF: 126.1/113


asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2864.852+/-0.498 χ²/NDF: 6577972.0/31
Left Out: 3666.541+/-0.615 χ²/NDF:1095834.2/23
Right Out: 1752.776+/-0.362 χ²/NDF: 18255970.8/34
Left In: 3625.945+/-0.611 χ²/NDF:1257933.0/22
Left: 3646.134+/-0.434 χ²/NDF: 2355959.1/46
Right: 2136.453+/-0.293 χ²/NDF: 28098526.7/66
In: 3168.444+/-0.386 χ²/NDF:8767123.5/54
Out: 2244.517+/-0.312 χ²/NDF:26552138.8/58
All: 2608.868+/-0.243 χ²/NDF: 38785561.8/



Right In: 575.392+/-737.230 χ^2/NDF: 38.1/31

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: 171.562+/-726.493 χ^2/NDF: 49.0/34

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

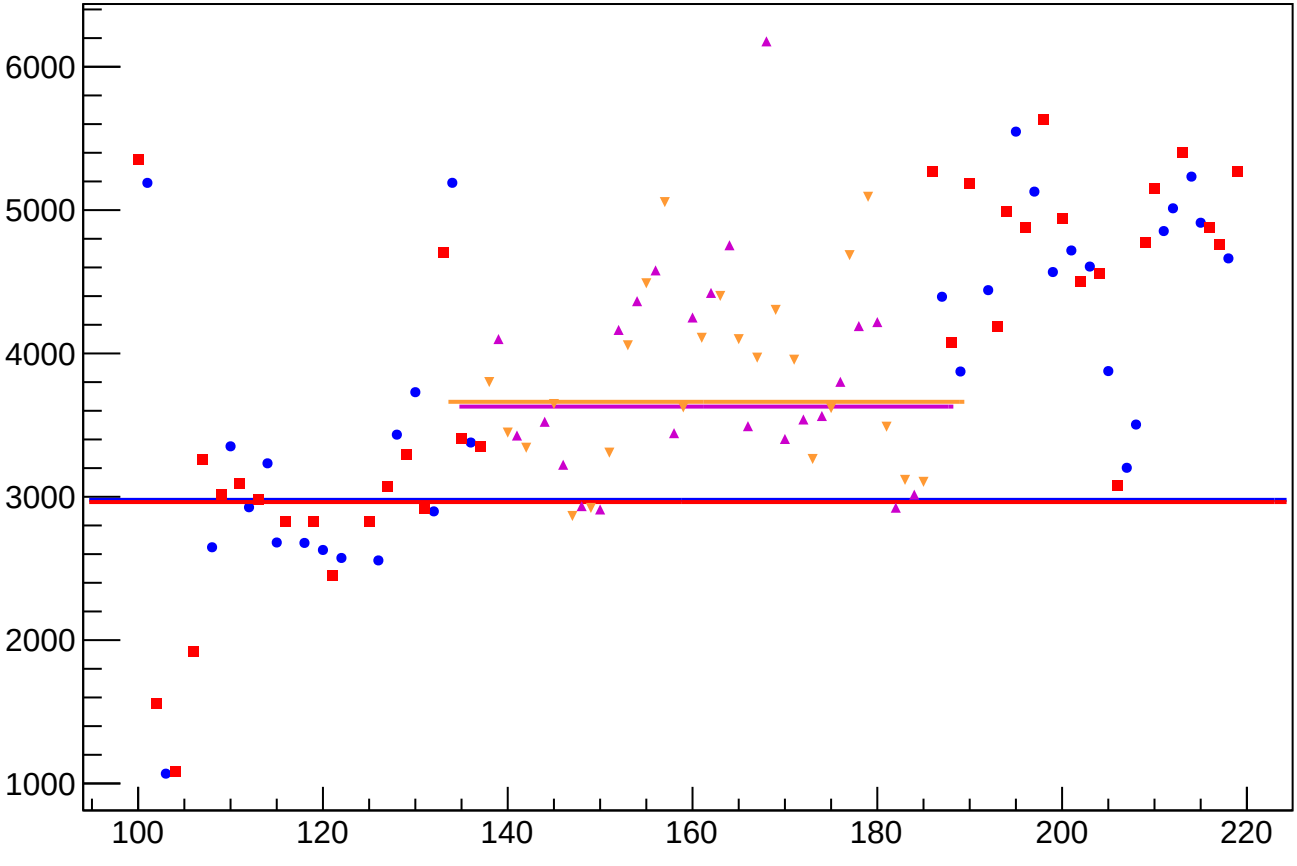
Right: 370.515+/-517.463 χ^2/NDF: 87.3/66

In: 162.080+/-560.389 χ^2/NDF:51.1/54

Out: 271.586+/-556.401 χ^2/NDF:76.3/58

All: 217.224+/-394.837 χ^2/NDF: 127.4/113

asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected



Right In: 2978.579+/-0.521 χ^2/NDF: 7354906.4/31

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

Right Out: 2963.245+/-0.513 χ^2/NDF: 7824464.8/34

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

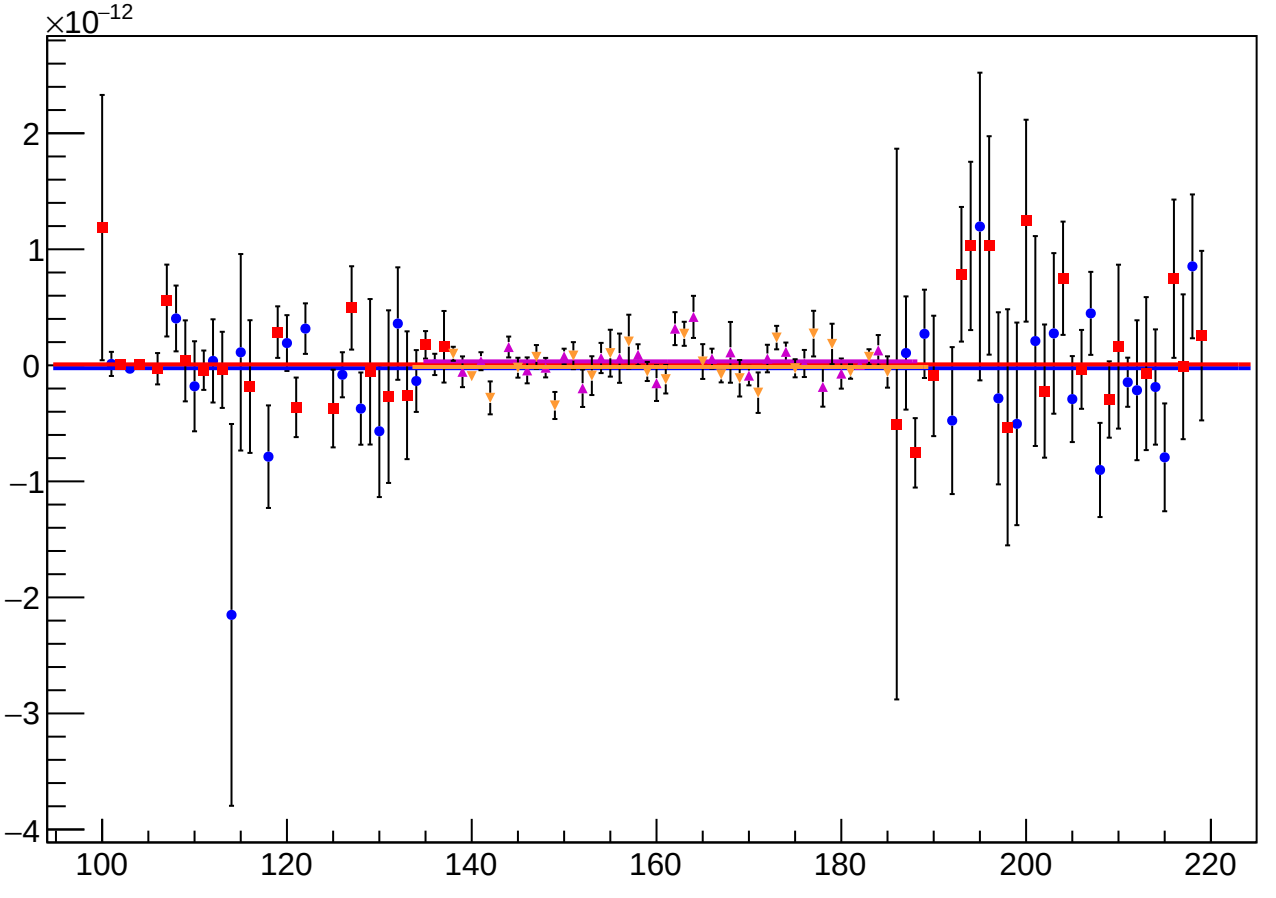
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

Right: 2970.787+/-0.366 χ^2/NDF: 15179810.8/66

In: 3253.267+/-0.396 χ^2/NDF:9067489.7/54

Out: 3251.878+/-0.393 χ^2/NDF:9485320.3/58

All: 3252.567+/-0.279 χ^2/NDF: 18552816.2/1



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/34

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

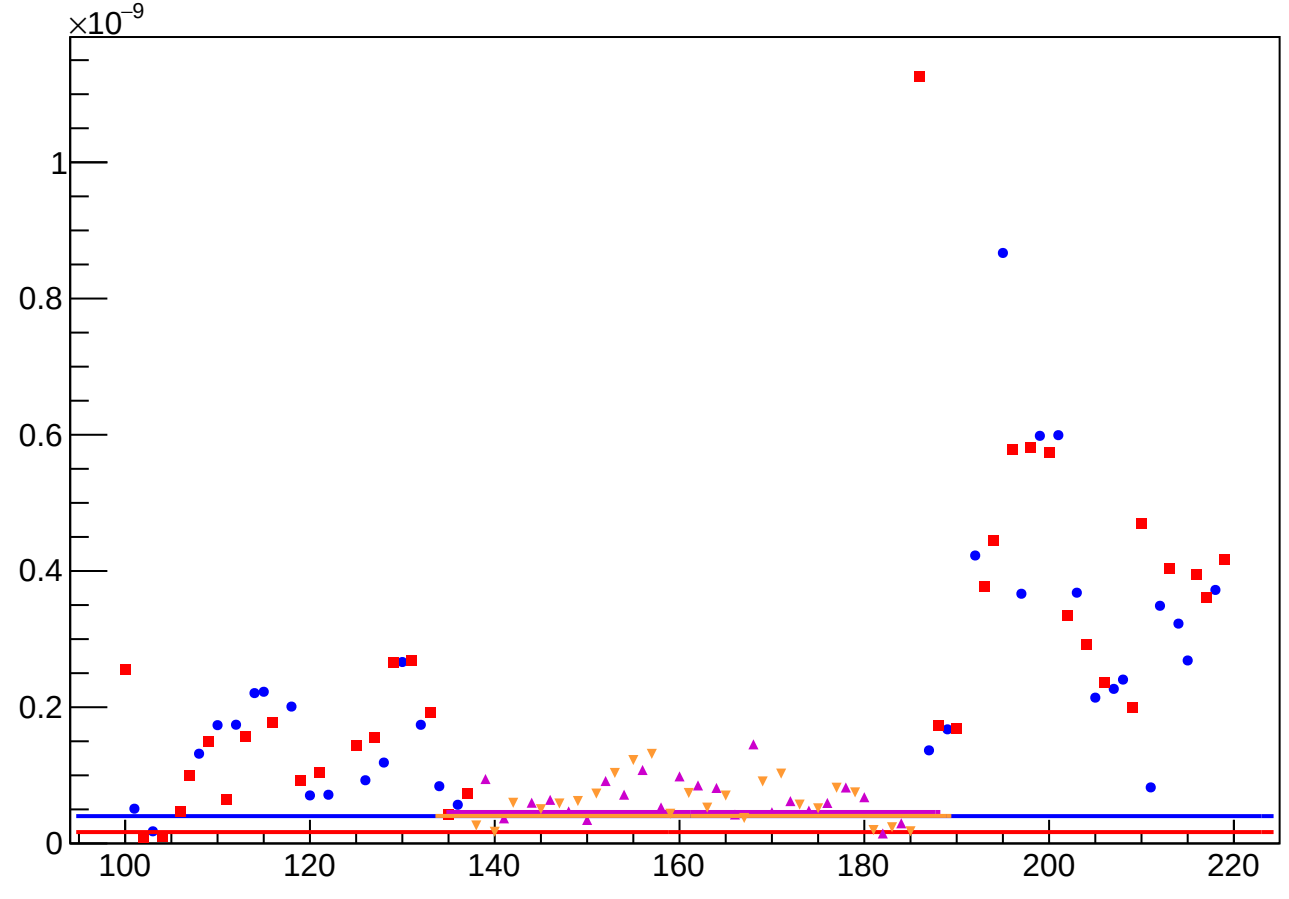
Left: 0.000+/-0.000 χ^2/NDF: 71.2/46

Right: -0.000+/-0.000 χ^2/NDF: 62.5/66

In: 0.000+/-0.000 χ^2/NDF:54.9/54

Out: -0.000+/-0.000 χ^2/NDF:78.7/58

All: 0.000+/-0.000 χ^2/NDF: 133.9/113



Right In: 0.000+/-0.000 χ^2/NDF: 11275303.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14585456.9/34

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

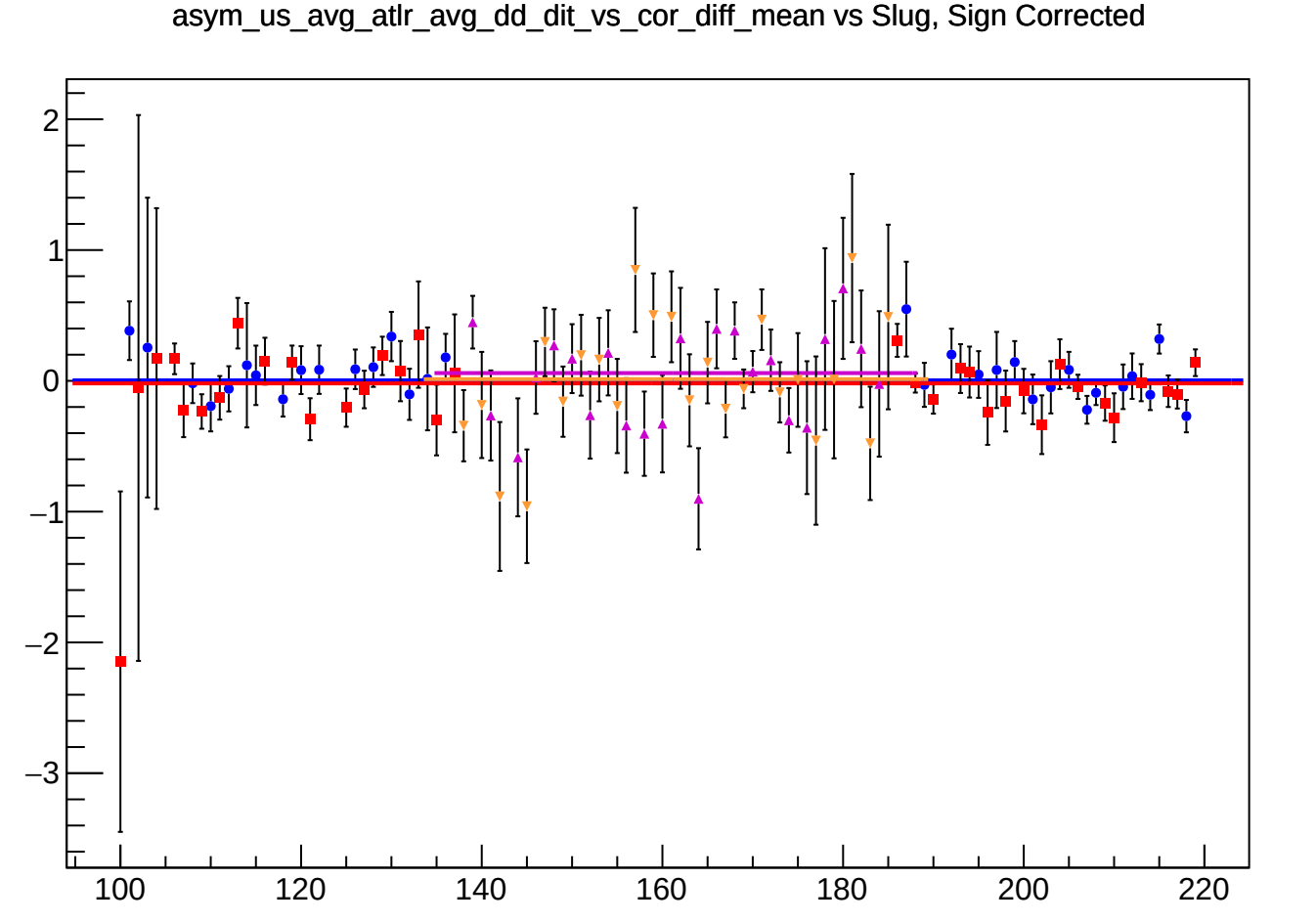
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 27172270.2/66

In: 0.000+/-0.000 χ^2/NDF:14301525.1/54

Out: 0.000+/-0.000 χ^2/NDF:20009319.4/58

All: 0.000+/-0.000 χ^2/NDF: 35999809.6/113



Right In: 0.004+/-0.029 χ^2/NDF: 35.6/31

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.019+/-0.026 χ^2/NDF: 45.0/34

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

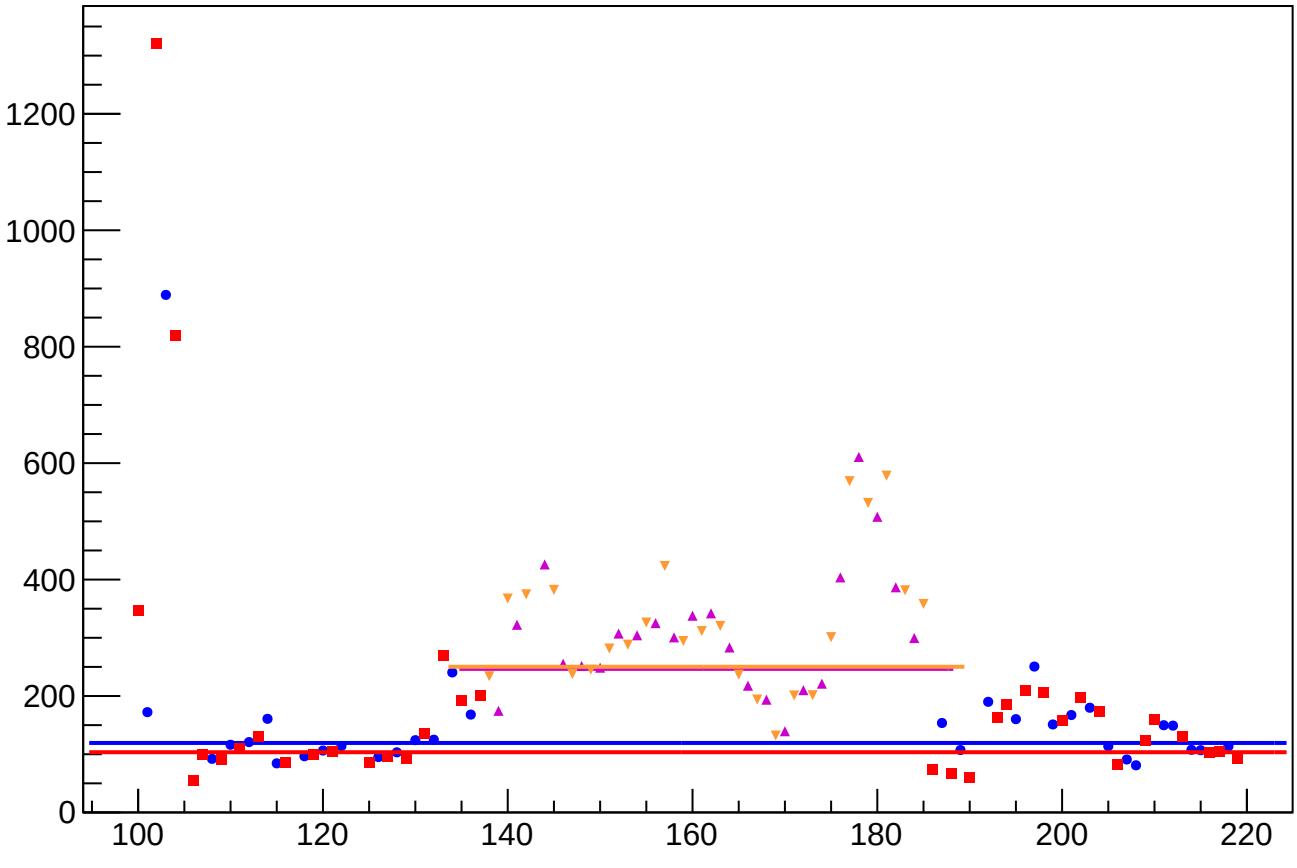
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.009+/-0.019 χ^2/NDF: 81.0/66

In: 0.014+/-0.026 χ^2/NDF:64.2/54

Out: -0.015+/-0.024 χ^2/NDF:74.6/58

All: -0.002+/-0.018 χ^2/NDF: 139.4/113



Right In: 119.387+/-0.020 χ^2/NDF: 3467455.0/31

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 103.449+/-0.018 χ^2/NDF: 6151361.7/34

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

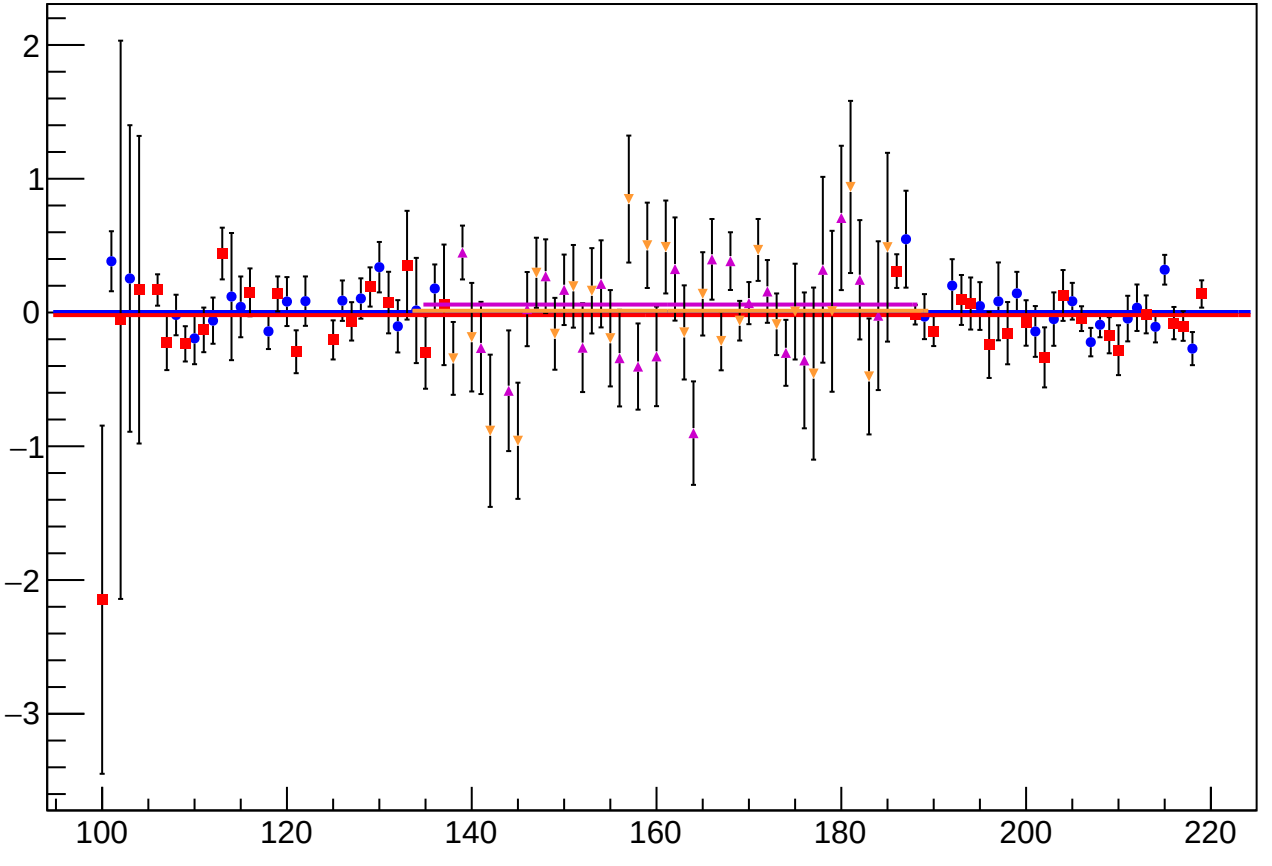
Right: 110.429+/-0.014 χ^2/NDF: 9958701.8/66

In: 142.204+/-0.019 χ^2/NDF:14151512.5/54

Out: 124.231+/-0.017 χ^2/NDF:19823871.1/58

All: 132.302+/-0.012 χ^2/NDF: 34491616.4/11

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.029 χ^2/NDF: 35.6/31

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.019+/-0.026 χ^2/NDF: 45.0/34

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

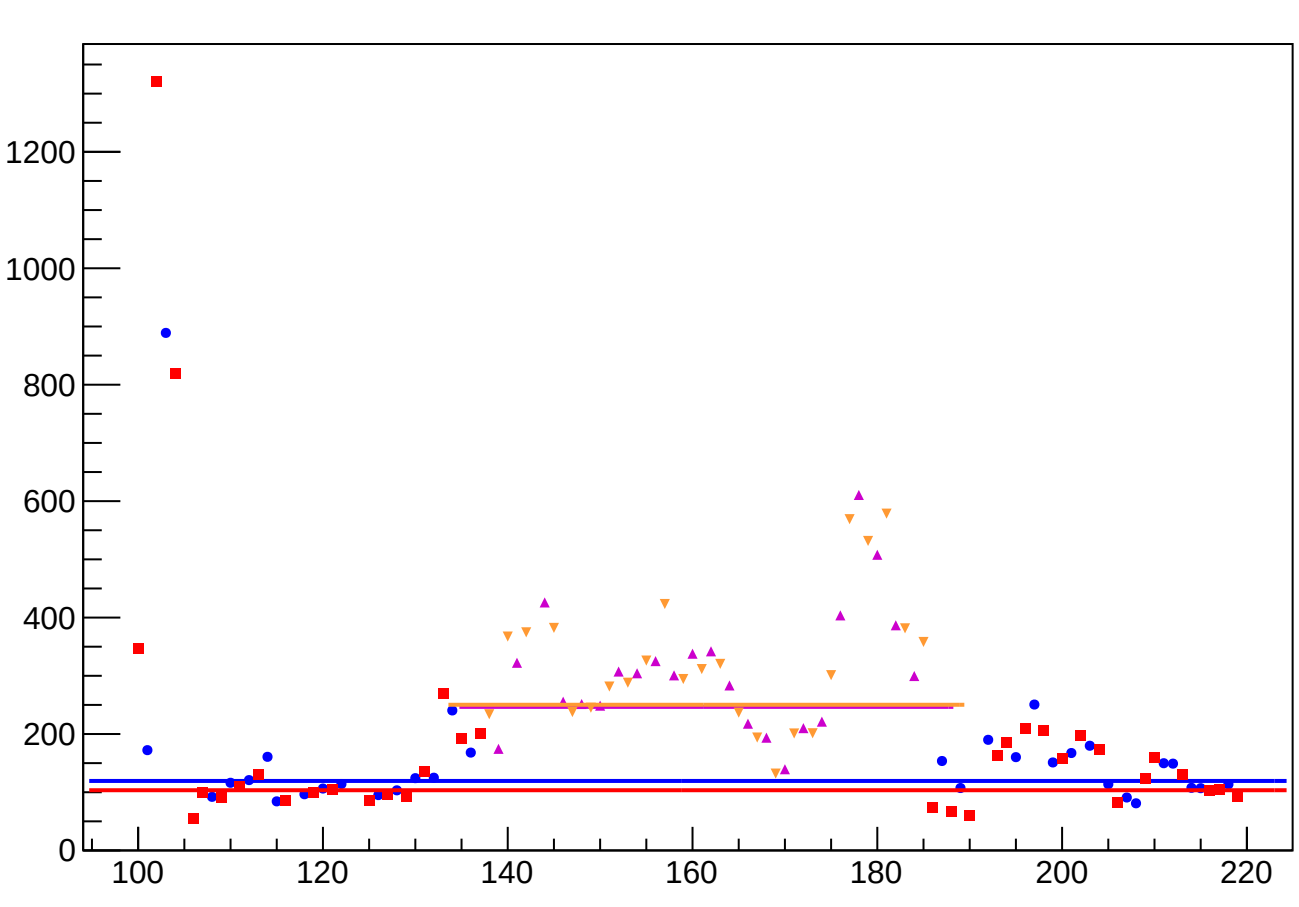
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.009+/-0.019 χ^2/NDF: 81.0/66

In: 0.014+/-0.026 χ^2/NDF:64.2/54

Out: -0.015+/-0.024 χ^2/NDF:74.6/58

All: -0.002+/-0.018 χ^2/NDF: 139.4/113



Right In: 119.387+/-0.020 χ^2/NDF: 3467455.0/31

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 103.449+/-0.018 χ^2/NDF: 6151361.7/34

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

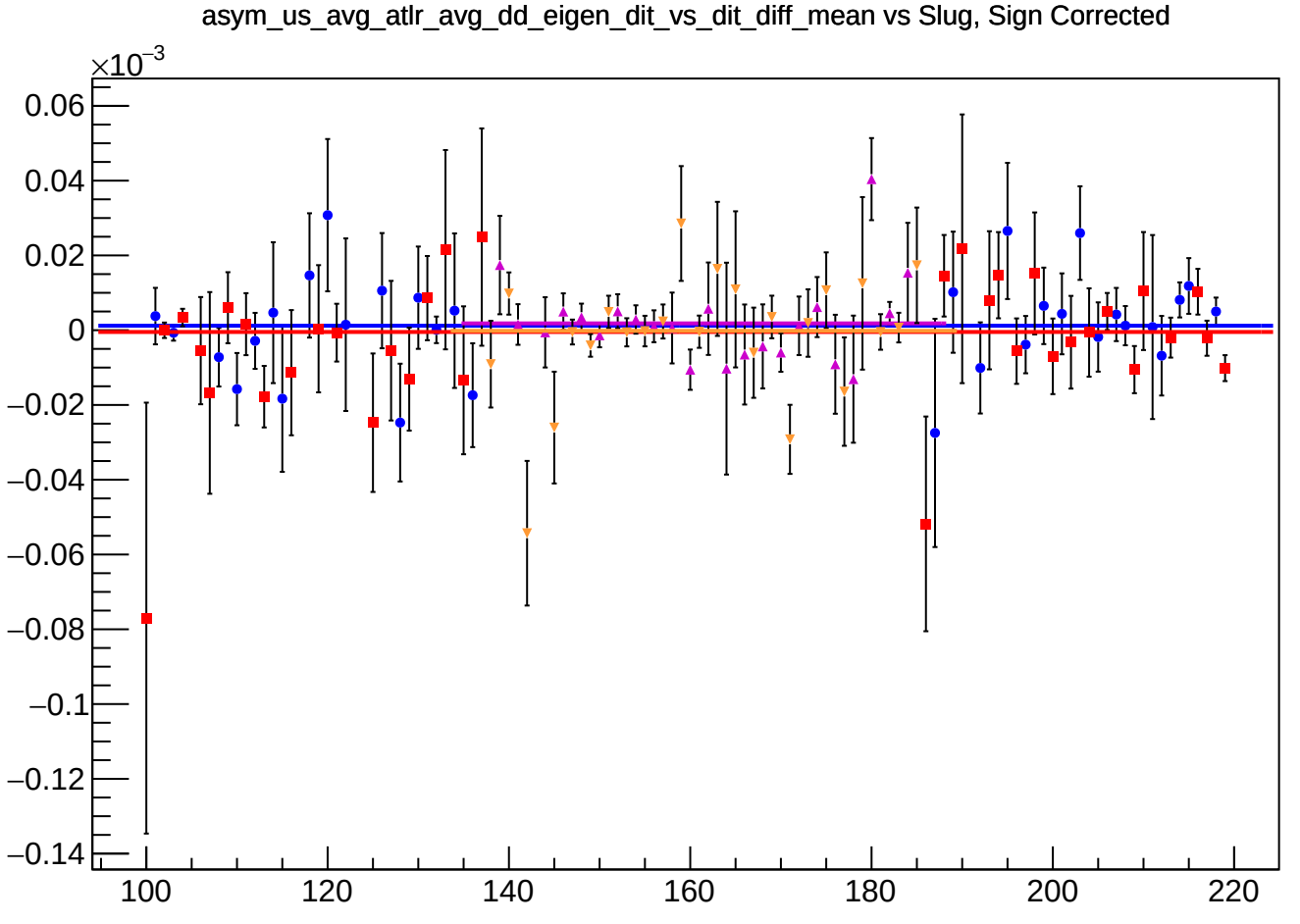
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 110.429+/-0.014 χ^2/NDF: 9958701.8/66

In: 142.204+/-0.019 χ^2/NDF:14151512.5/54

Out: 124.231+/-0.017 χ^2/NDF:19823871.1/58

All: 132.302+/-0.012 χ^2/NDF: 34491616.4/11



Right In: 0.000+/-0.000 χ^2/NDF: 29.3/31

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 40.0/34

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

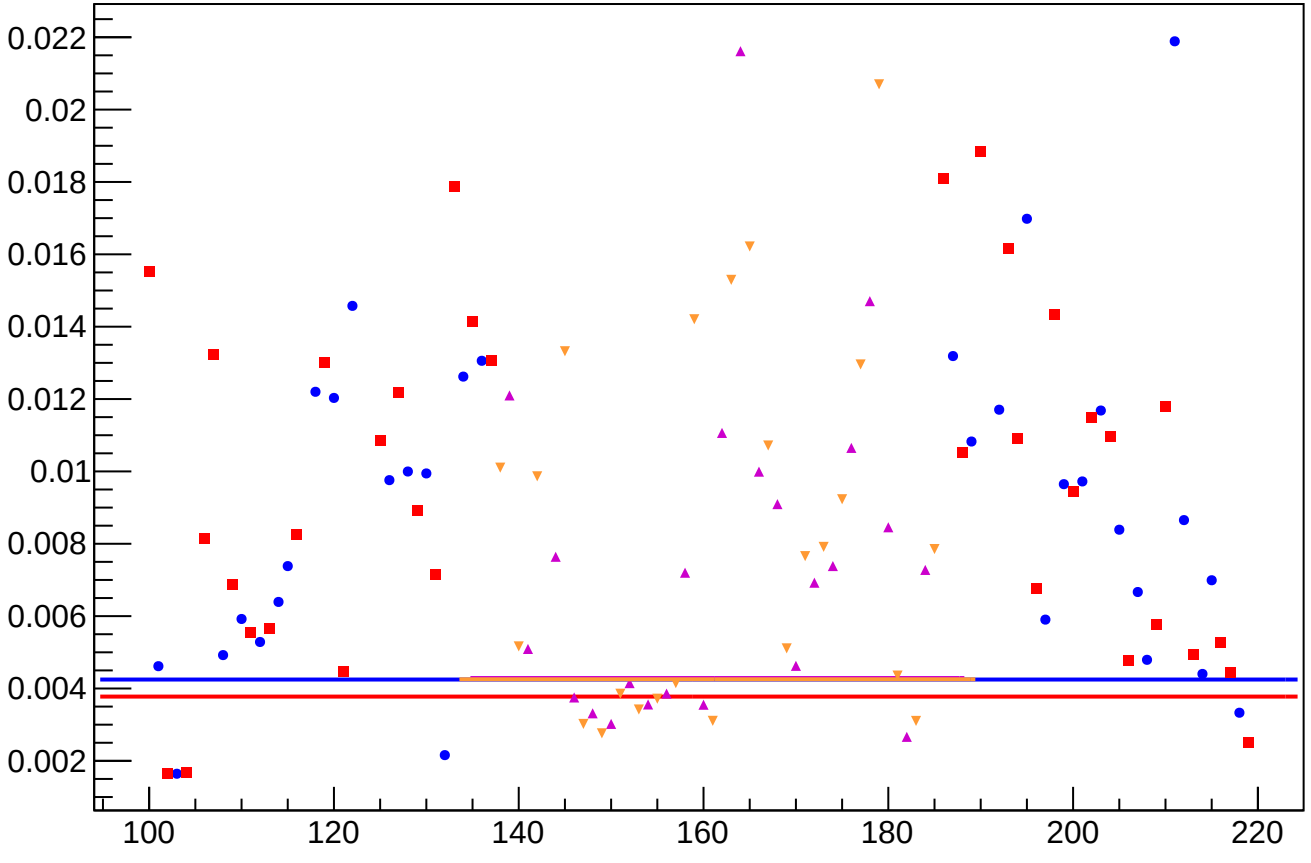
Right: 0.000+/-0.000 χ^2/NDF: 70.4/66

In: 0.000+/-0.000 χ^2/NDF:57.7/54

Out: -0.000+/-0.000 χ^2/NDF:77.2/58

All: 0.000+/-0.000 χ^2/NDF: 137.4/113

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: 13590651.6/31

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.004+/-0.000 χ^2/NDF: 15667845.3/34

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

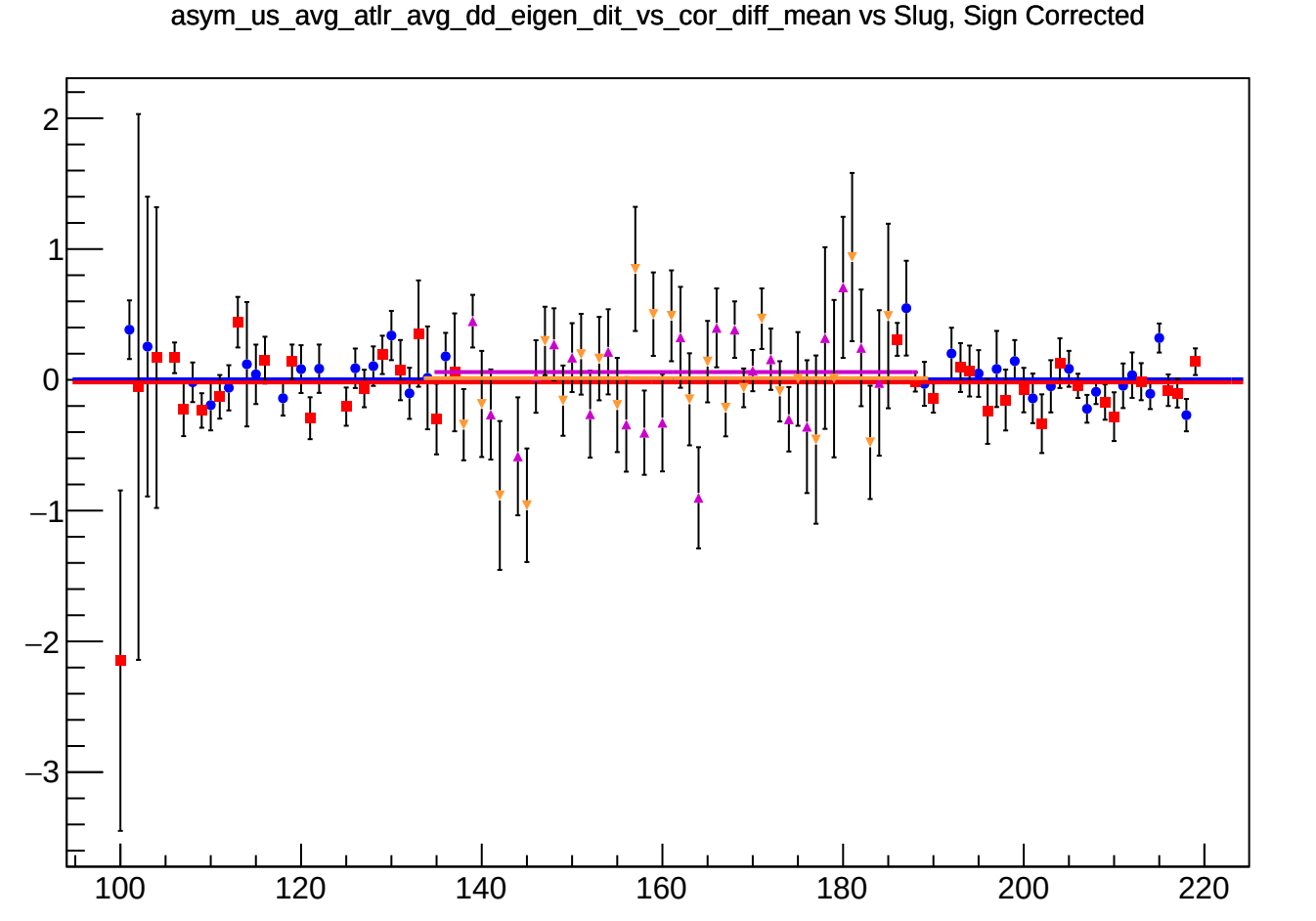
Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

Right: 0.004+/-0.000 χ^2/NDF: 29423571.5/66

In: 0.004+/-0.000 χ^2/NDF:20190470.8/54

Out: 0.004+/-0.000 χ^2/NDF:24338525.9/58

All: 0.004+/-0.000 χ^2/NDF: 44635510.9/113



Right In: 0.004+/-0.029 χ^2/NDF: 35.6/31

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.019+/-0.026 χ^2/NDF: 45.0/34

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

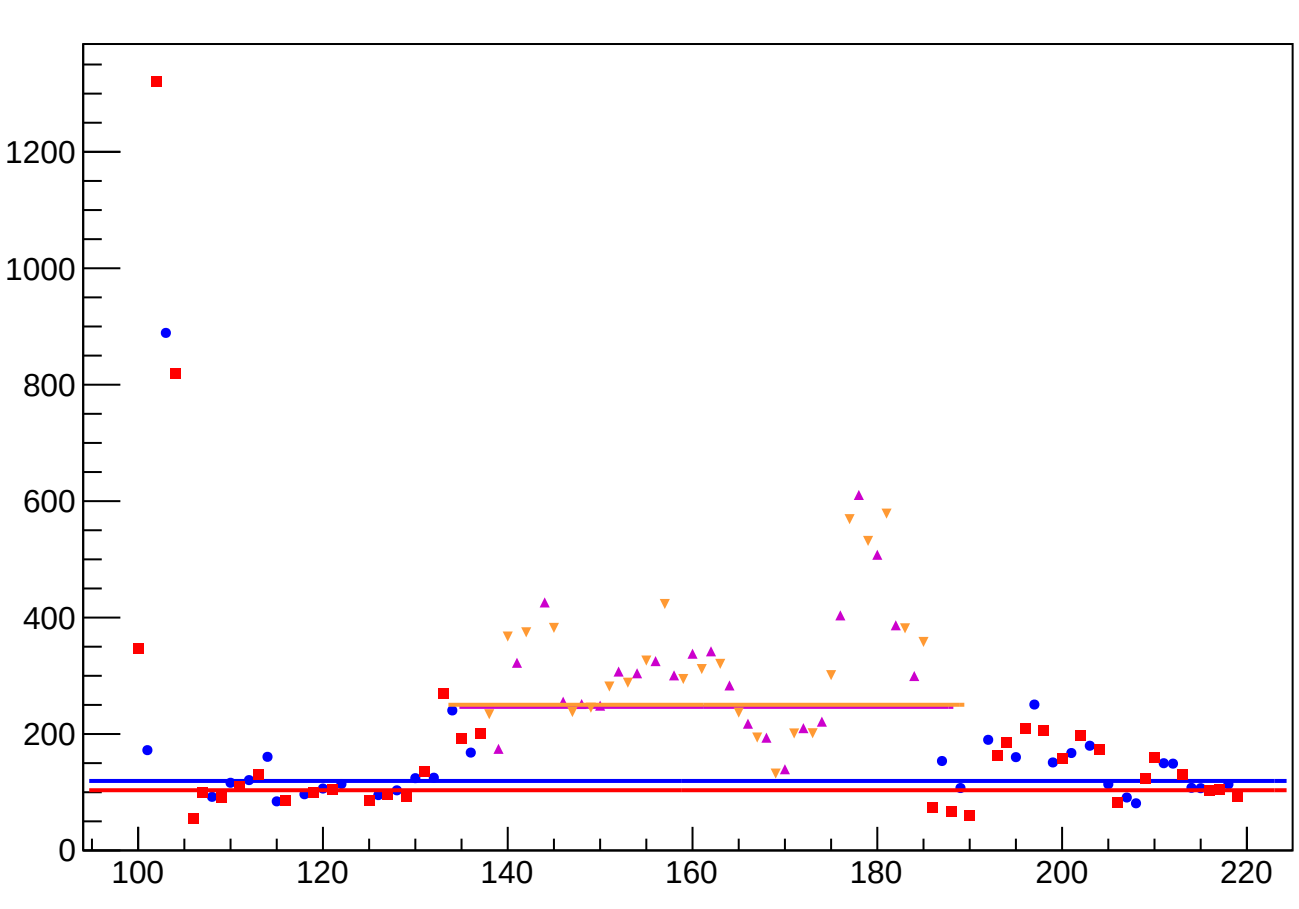
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.009+/-0.019 χ^2/NDF: 81.0/66

In: 0.014+/-0.026 χ^2/NDF:64.2/54

Out: -0.015+/-0.024 χ^2/NDF:74.6/58

All: -0.002+/-0.018 χ^2/NDF: 139.4/113



Right In: 119.386+/-0.020 χ^2/NDF: 3467539.2/31

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 103.445+/-0.018 χ^2/NDF: 6151926.2/34

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

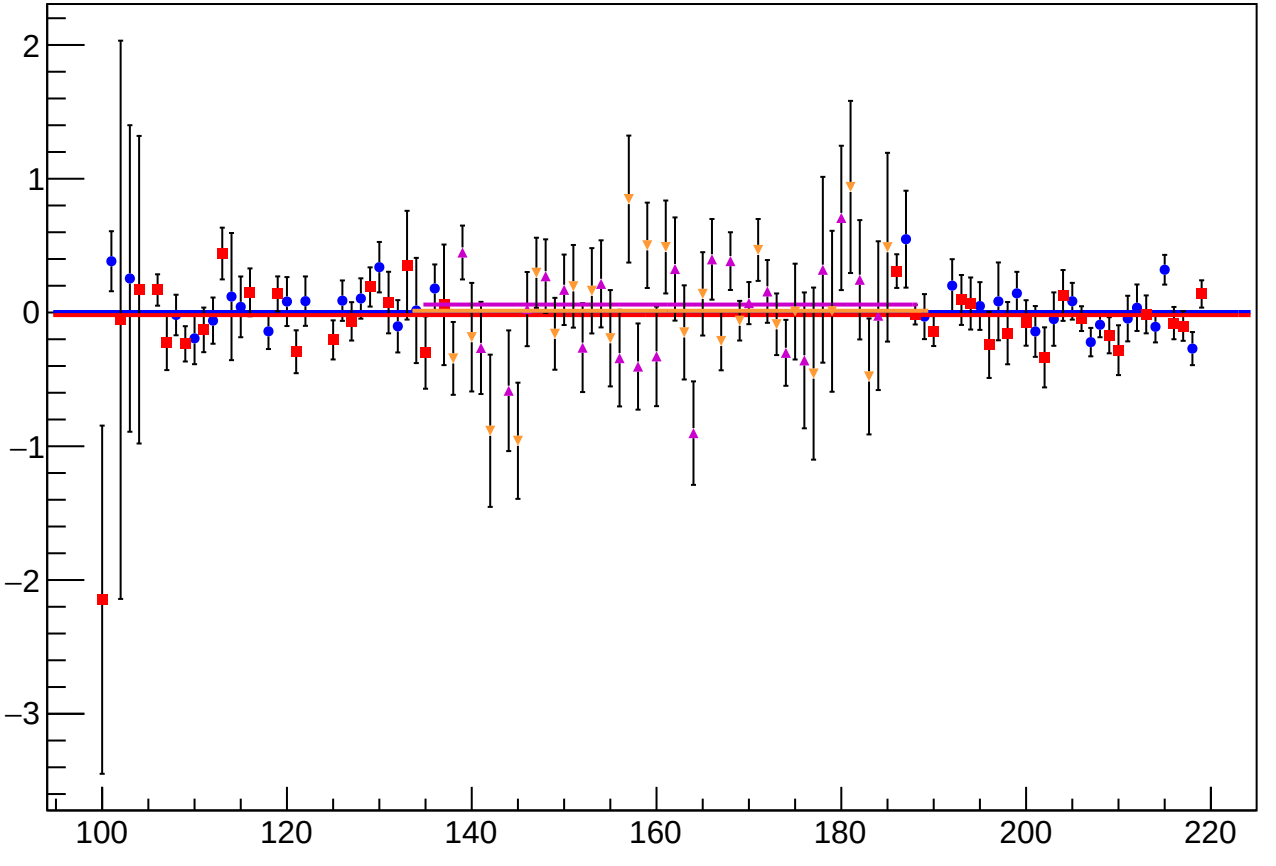
Right: 110.427+/-0.014 χ^2/NDF: 9959460.0/66

In: 142.203+/-0.019 χ^2/NDF:14151893.5/54

Out: 124.227+/-0.017 χ^2/NDF:19825085.4/58

All: 132.299+/-0.012 χ^2/NDF: 34493379.0/11

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.029 χ^2/NDF: 35.6/31

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.019+/-0.026 χ^2/NDF: 45.0/34

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

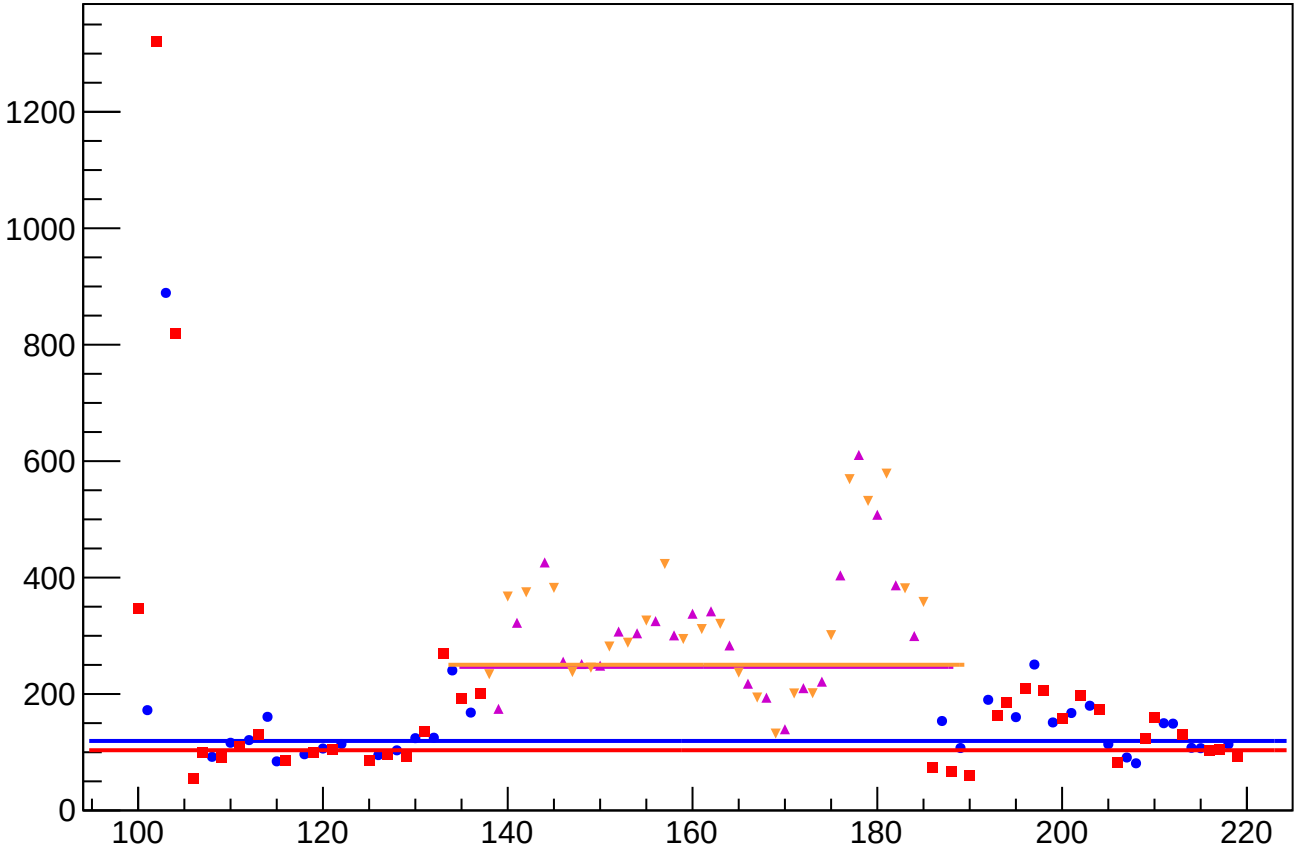
Right: -0.009+/-0.019 χ^2/NDF: 81.0/66

In: 0.014+/-0.026 χ^2/NDF:64.2/54

Out: -0.015+/-0.024 χ^2/NDF:74.6/58

All: -0.002+/-0.018 χ^2/NDF: 139.4/113

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.386+/-0.020 χ^2/NDF: 3467539.2/31

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 103.445+/-0.018 χ^2/NDF: 6151926.2/34

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

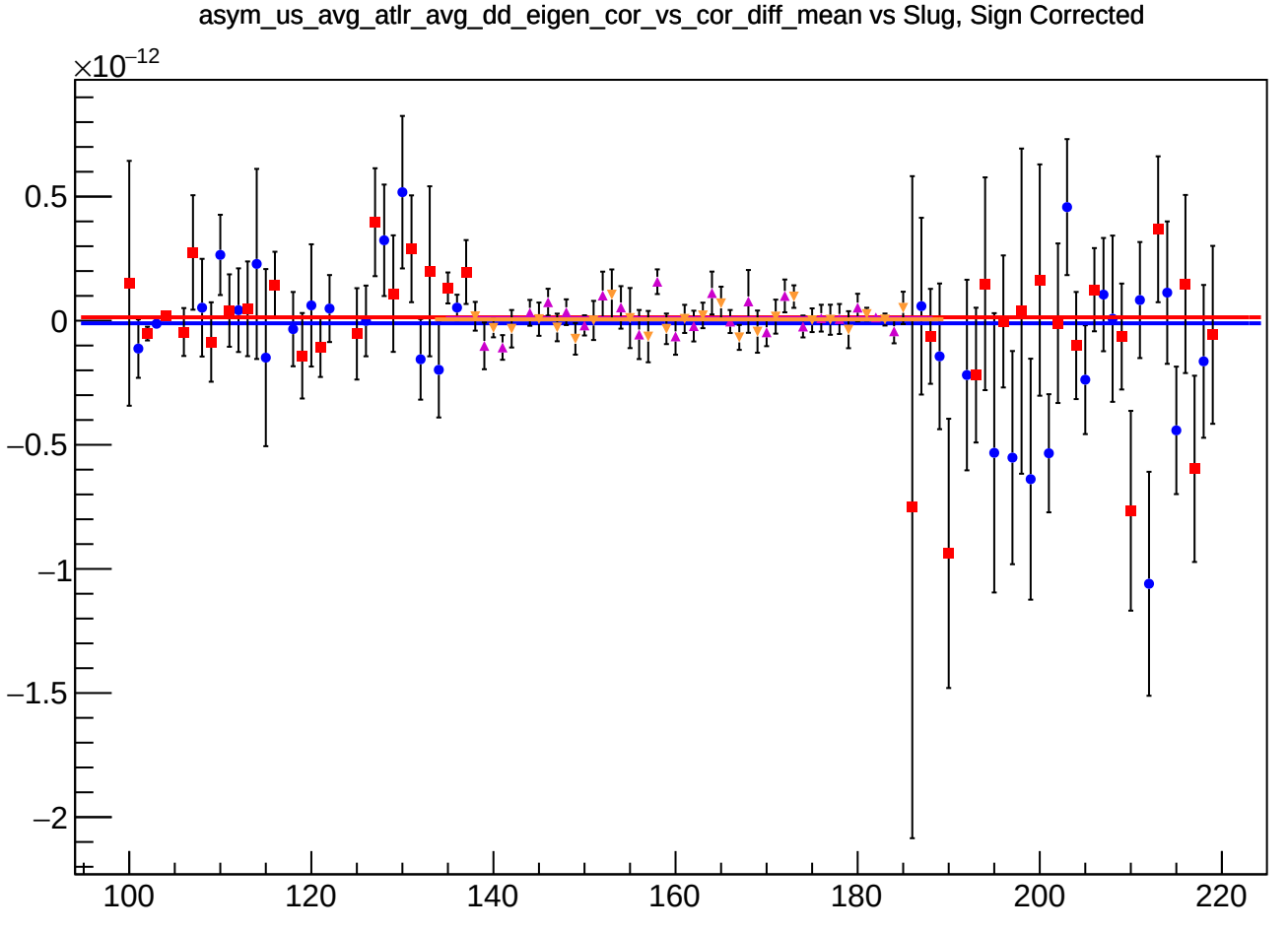
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 110.427+/-0.014 χ^2/NDF: 9959460.0/66

In: 142.203+/-0.019 χ^2/NDF:14151893.5/54

Out: 124.227+/-0.017 χ^2/NDF:19825085.4/58

All: 132.299+/-0.012 χ^2/NDF: 34493379.0/11



Right In: -0.000+/-0.000 χ^2/NDF: 35.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 35.3/34

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

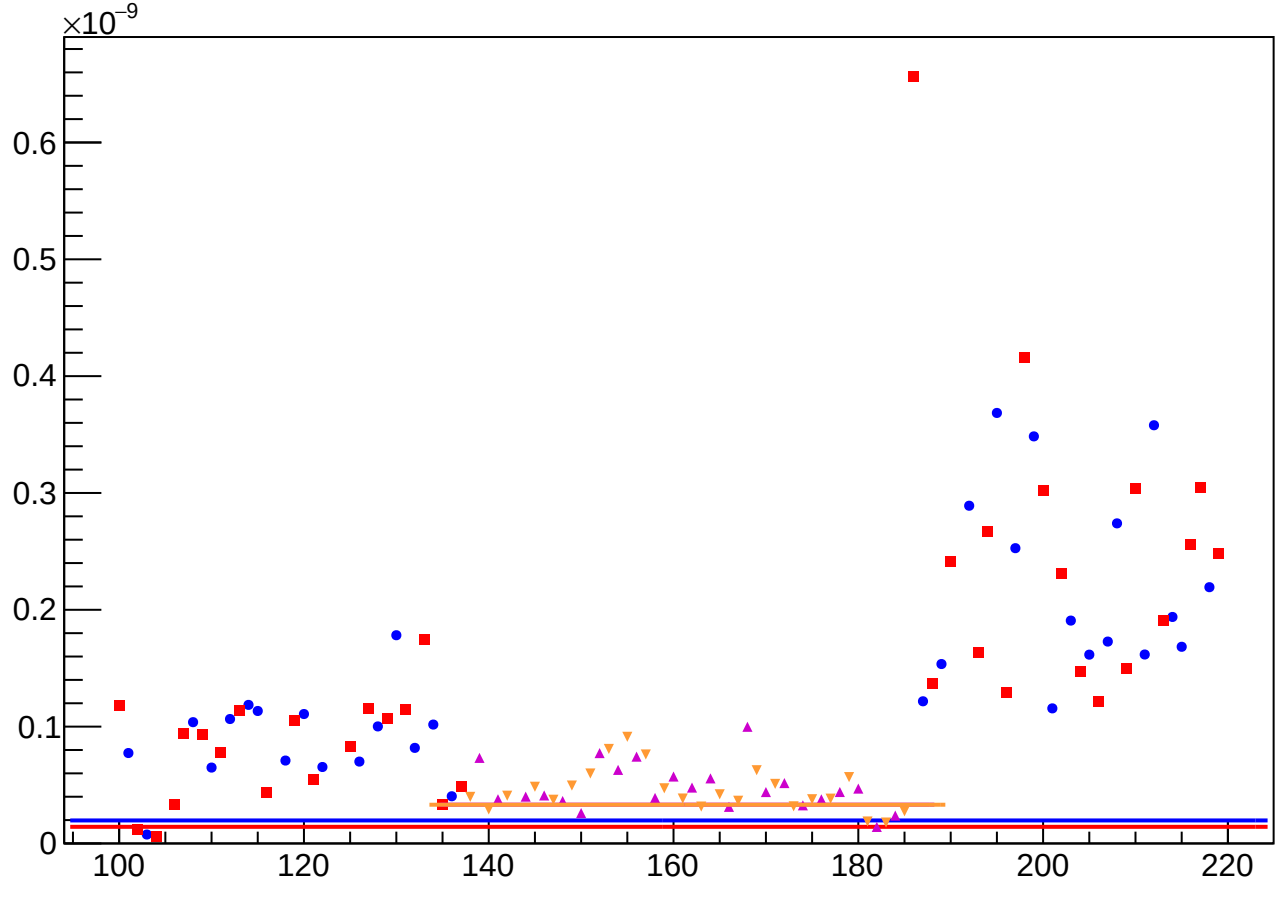
Right: 0.000+/-0.000 χ^2/NDF: 73.4/66

In: 0.000+/-0.000 χ^2/NDF:65.3/54

Out: 0.000+/-0.000 χ^2/NDF:49.5/58

All: 0.000+/-0.000 χ^2/NDF: 115.3/113

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: 18135983.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18913380.6/34

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

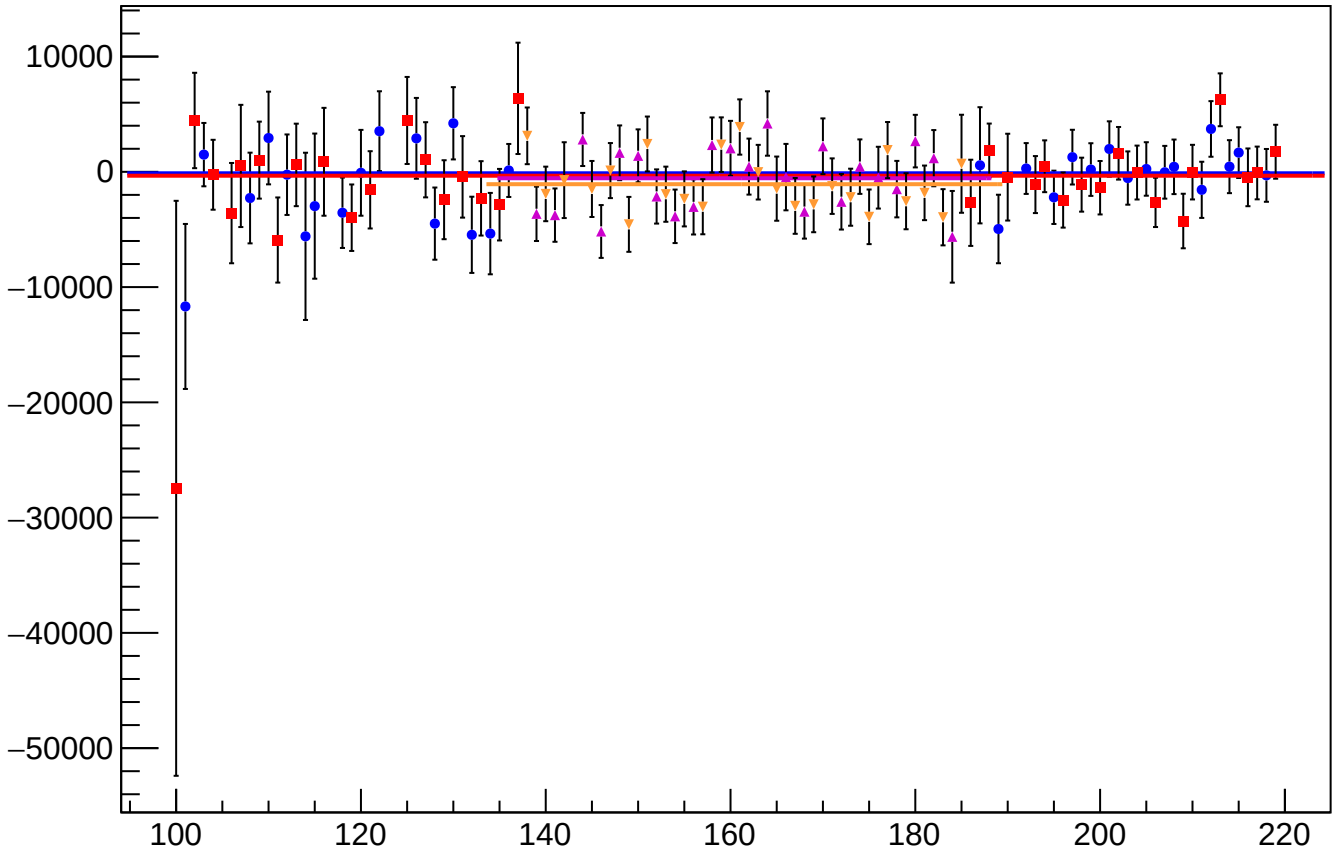
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 37291031.6/66

In: 0.000+/-0.000 χ^2/NDF:24553930.9/54

Out: 0.000+/-0.000 χ^2/NDF:26428300.4/58

All: 0.000+/-0.000 χ^2/NDF: 51331297.5/113



Right In: -126.223+/-495.672 χ^2/NDF: 24.8/31

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -336.877+/-486.211 χ^2/NDF: 28.9/34

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

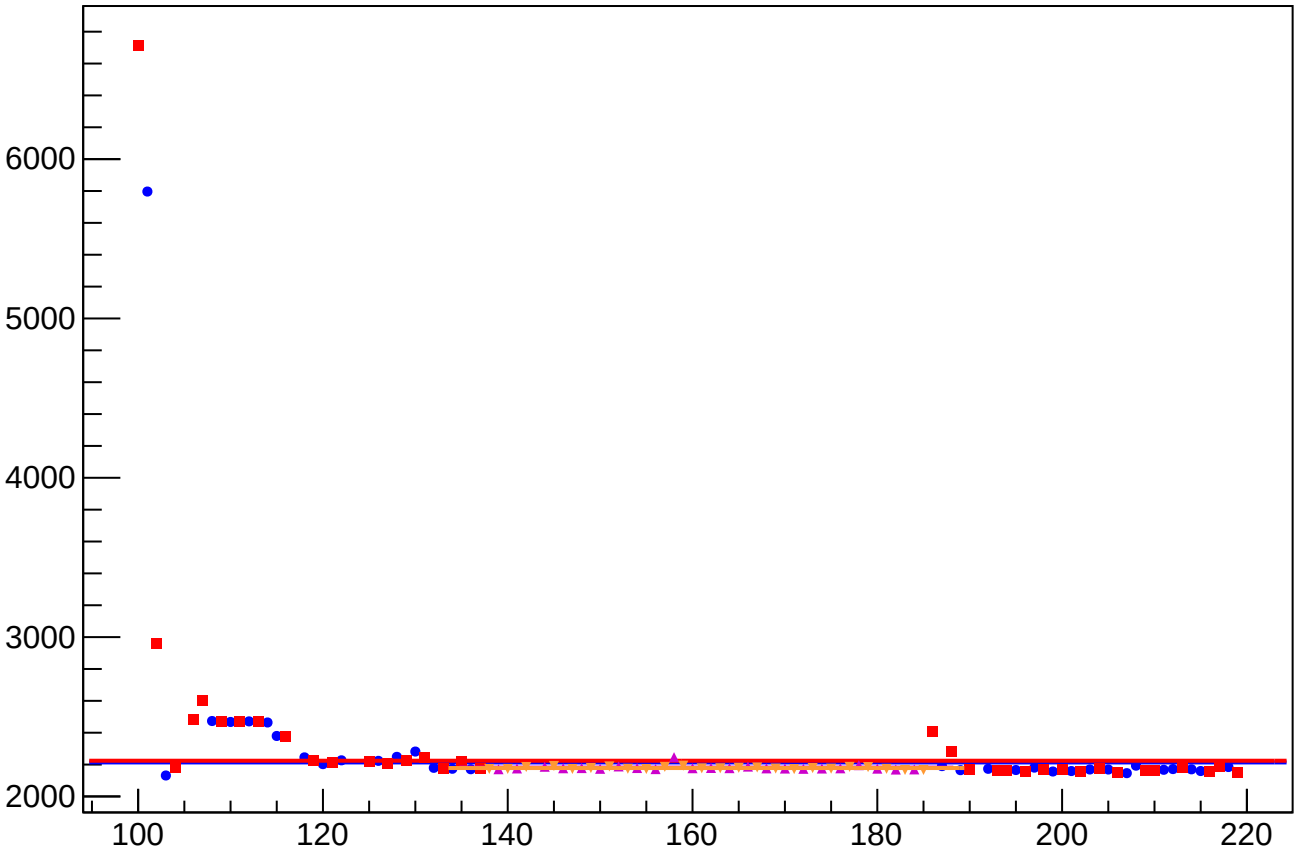
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -233.580+/-347.099 χ^2/NDF: 53.8/66

In: -335.835+/-355.182 χ^2/NDF:53.8/54

Out: -690.535+/-350.435 χ^2/NDF:51.5/58

All: -515.571+/-249.456 χ^2/NDF: 105.9/113



Right In: 2213.450+/-0.350 χ^2/NDF: 548557.9/31

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2224.160+/-0.344 χ^2/NDF: 202422.7/34

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

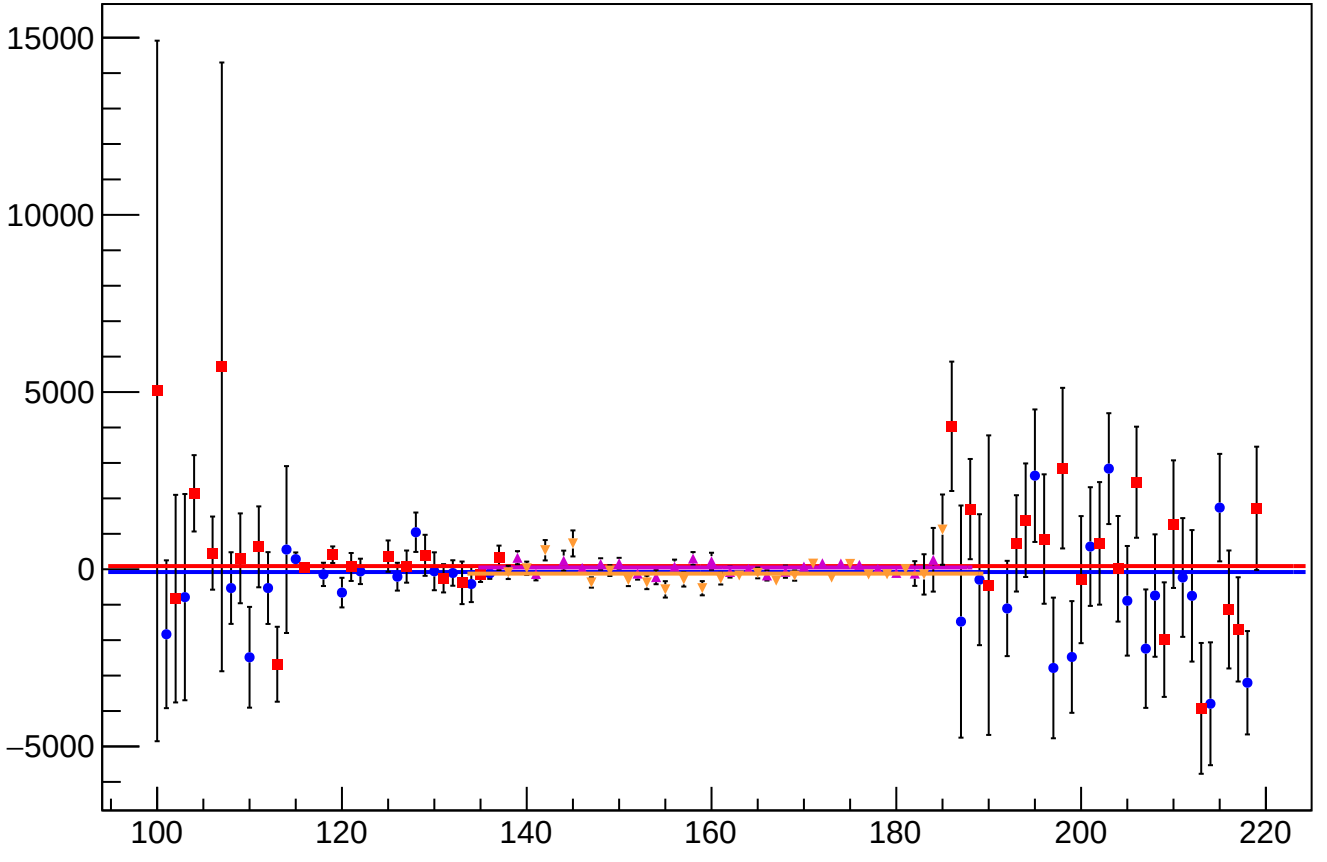
Right: 2218.908+/-0.245 χ^2/NDF: 751456.5/66

In: 2197.623+/-0.251 χ^2/NDF:554615.5/54

Out: 2202.097+/-0.248 χ^2/NDF:211382.7/58

All: 2199.890+/-0.176 χ^2/NDF: 766159.0/113

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -78.406+/-88.865 χ^2/NDF: 38.1/31

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 89.565+/-80.776 χ^2/NDF: 38.4/34

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

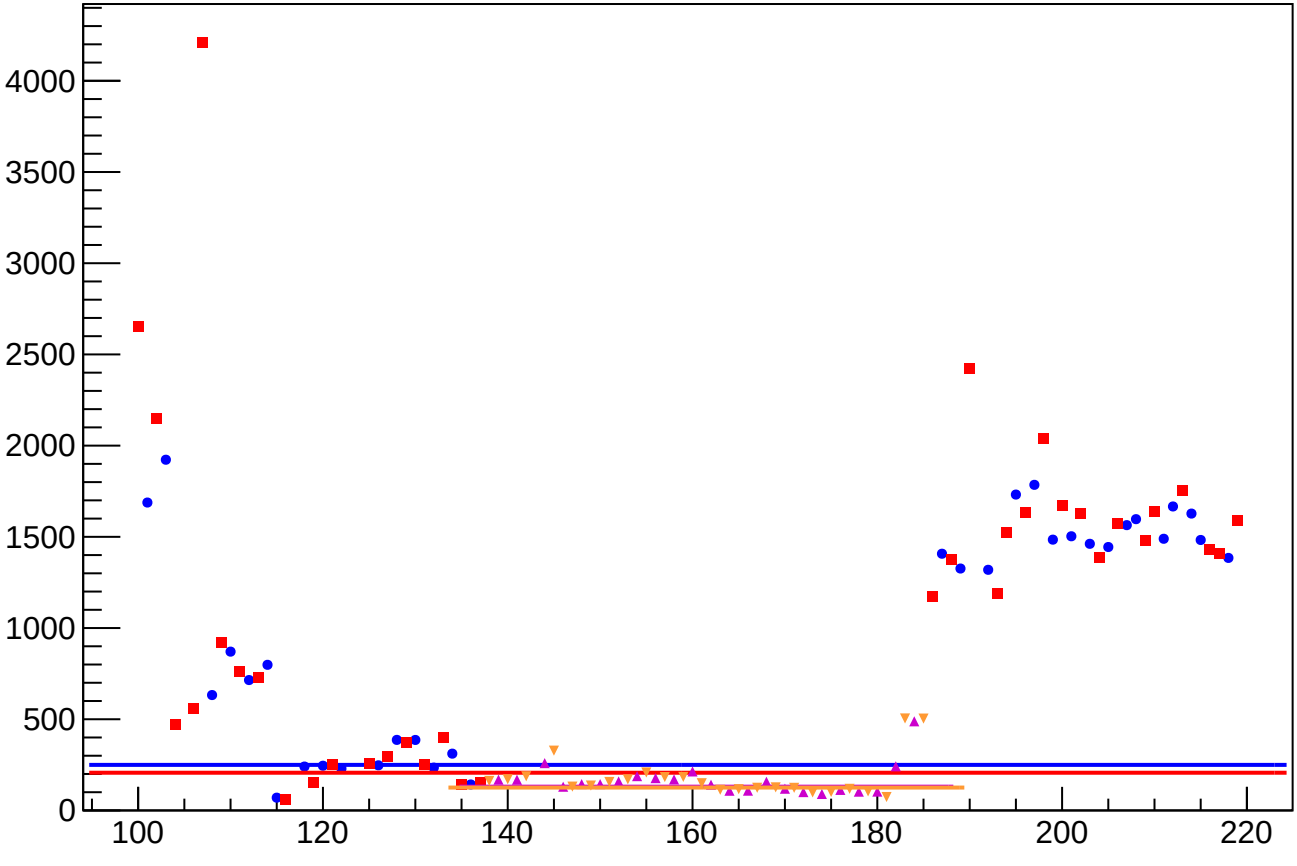
Right: 13.571+/-59.773 χ^2/NDF: 78.4/66

In: 35.094+/-30.560 χ^2/NDF:58.2/54

Out: -95.090+/-29.273 χ^2/NDF:88.2/58

All: -32.797+/-21.139 χ^2/NDF: 155.8/113

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 249.823+/-0.063 χ^2/NDF: 23790766.4/31

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 206.806+/-0.057 χ^2/NDF: 27393854.4/34

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

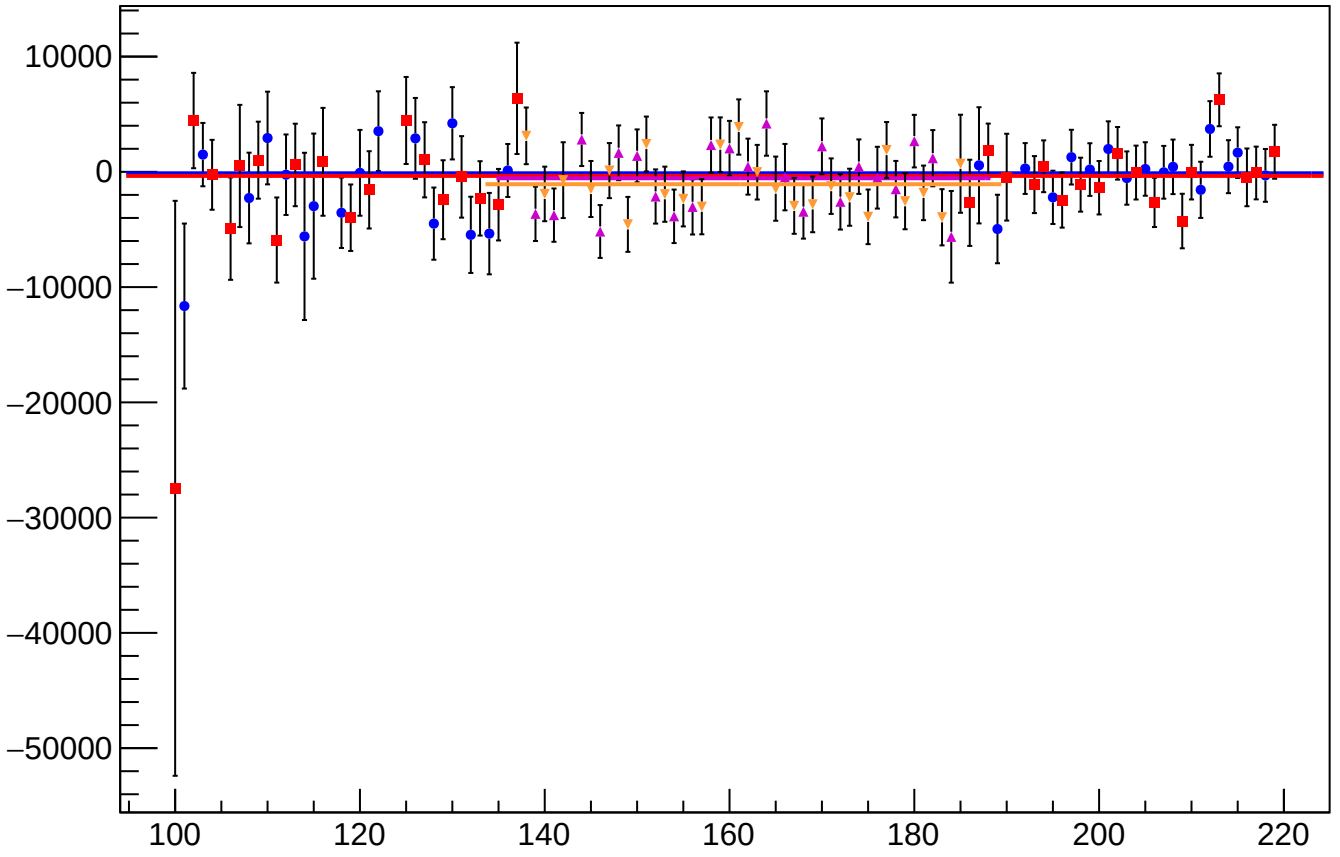
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 226.268+/-0.042 χ^2/NDF: 51441239.9/66

In: 144.555+/-0.022 χ^2/NDF:29653342.1/54

Out: 136.184+/-0.021 χ^2/NDF:33096554.6/58

All: 140.189+/-0.015 χ^2/NDF: 62828164.6/11



Right In: -125.827+/-495.672 χ^2/NDF: 24.8/31

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -351.432+/-486.337 χ^2/NDF: 29.4/34

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

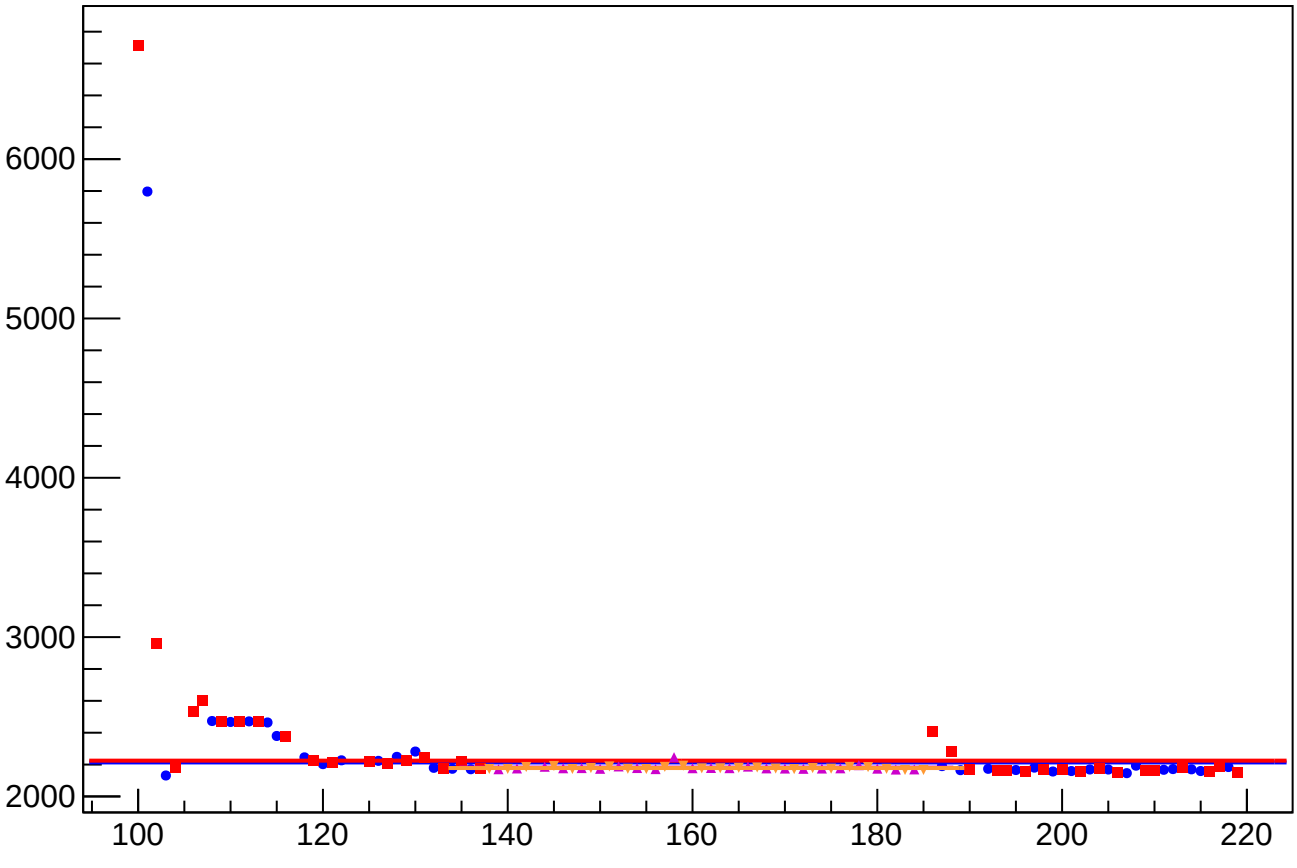
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -240.774+/-347.145 χ^2/NDF: 54.3/66

In: -335.645+/-355.182 χ^2/NDF:53.8/54

Out: -698.156+/-350.482 χ^2/NDF:52.0/58

All: -519.315+/-249.473 χ^2/NDF: 106.4/113



Right In: 2213.450+/-0.350 χ^2/NDF: 548558.2/31

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2224.633+/-0.344 χ^2/NDF: 205052.8/34

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

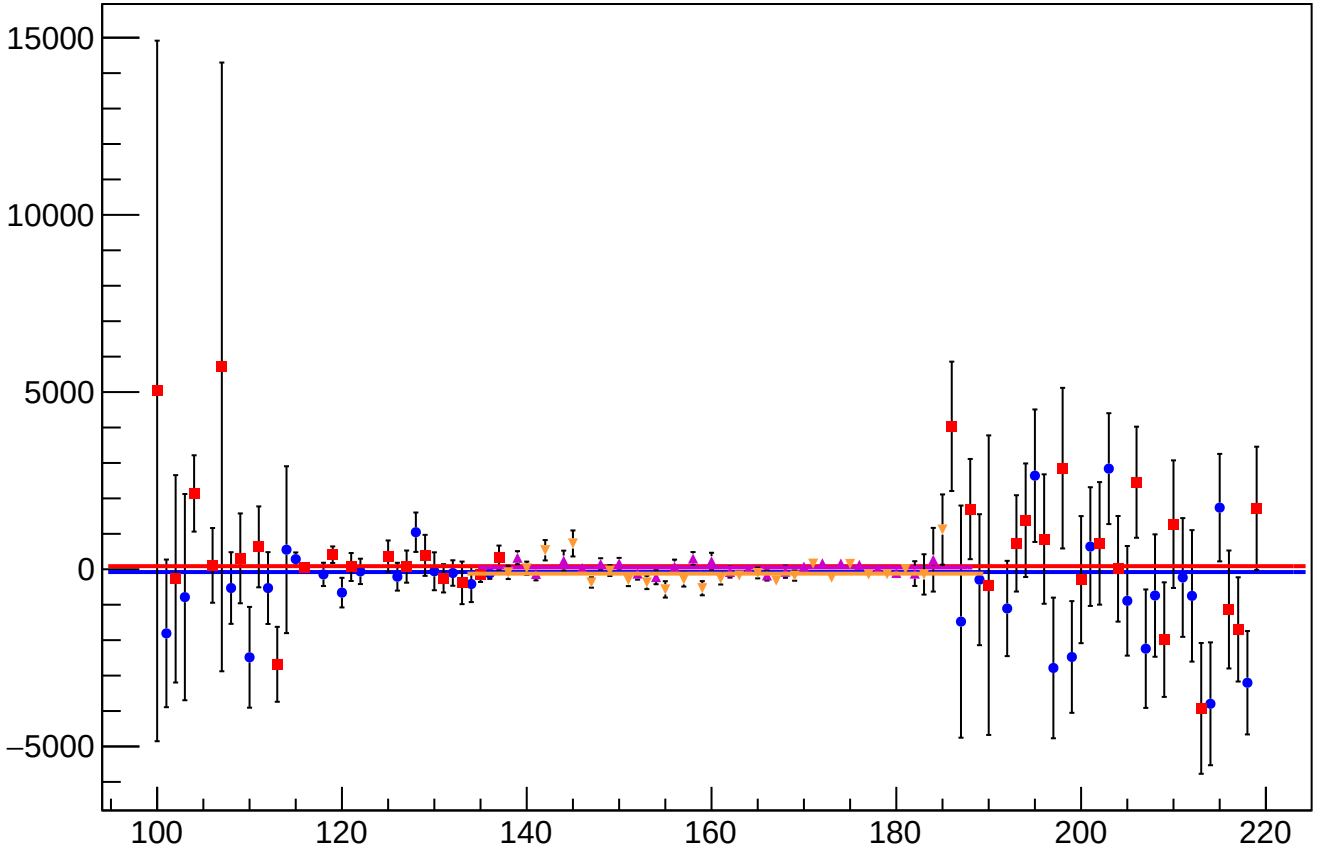
Right: 2219.148+/-0.245 χ^2/NDF: 754129.7/66

In: 2197.623+/-0.251 χ^2/NDF:554615.8/54

Out: 2202.336+/-0.248 χ^2/NDF:214188.0/58

All: 2200.011+/-0.176 χ^2/NDF: 768982.2/113

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -78.443+/-88.871 χ^2/NDF: 38.1/31

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 87.619+/-80.718 χ^2/NDF: 38.1/34

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

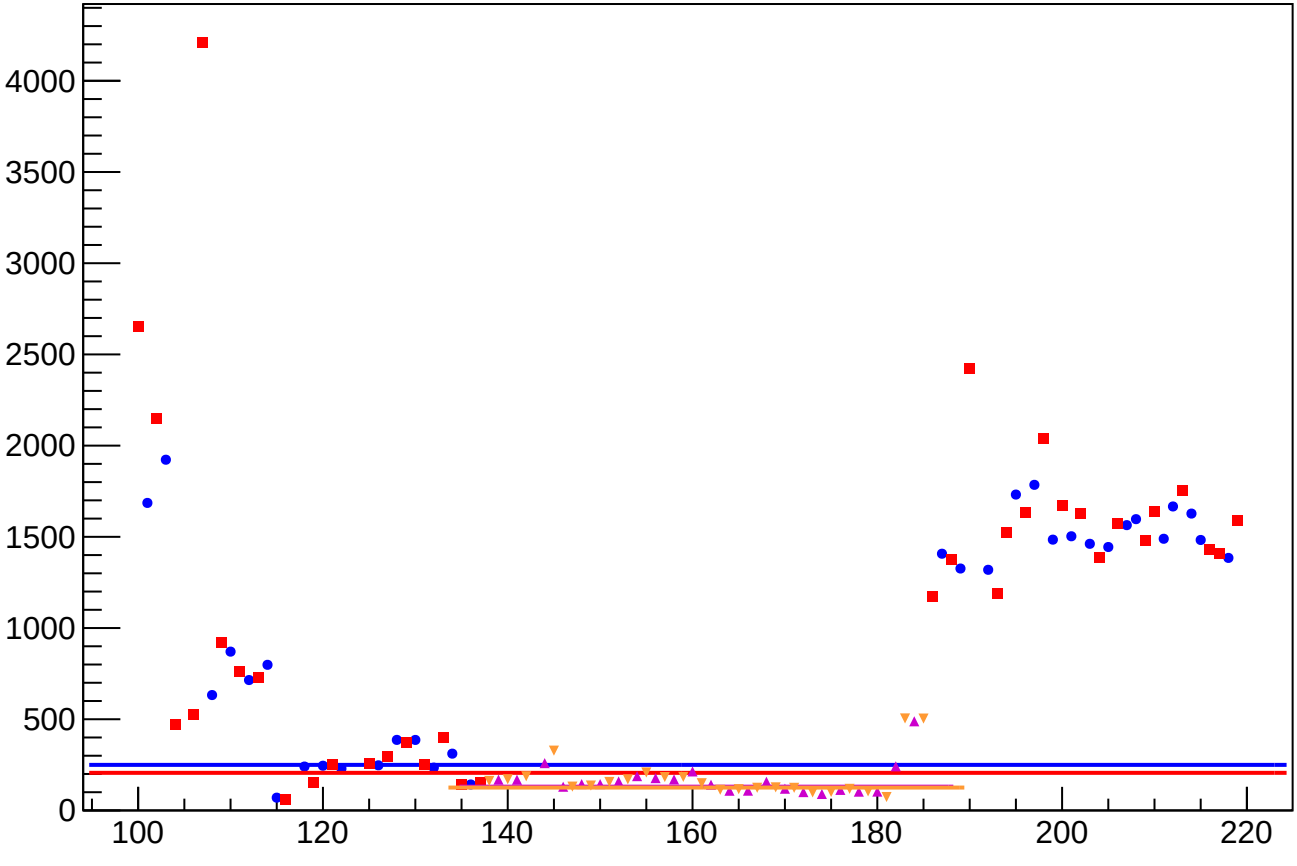
Right: 12.553+/-59.751 χ^2/NDF: 78.1/66

In: 34.994+/-30.563 χ^2/NDF:58.2/54

Out: -95.242+/-29.270 χ^2/NDF:87.8/58

All: -32.936+/-21.139 χ^2/NDF: 155.5/113

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 249.853+/-0.063 χ^2/NDF: 23788889.3/31

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 206.197+/-0.057 χ^2/NDF: 27366476.2/34

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

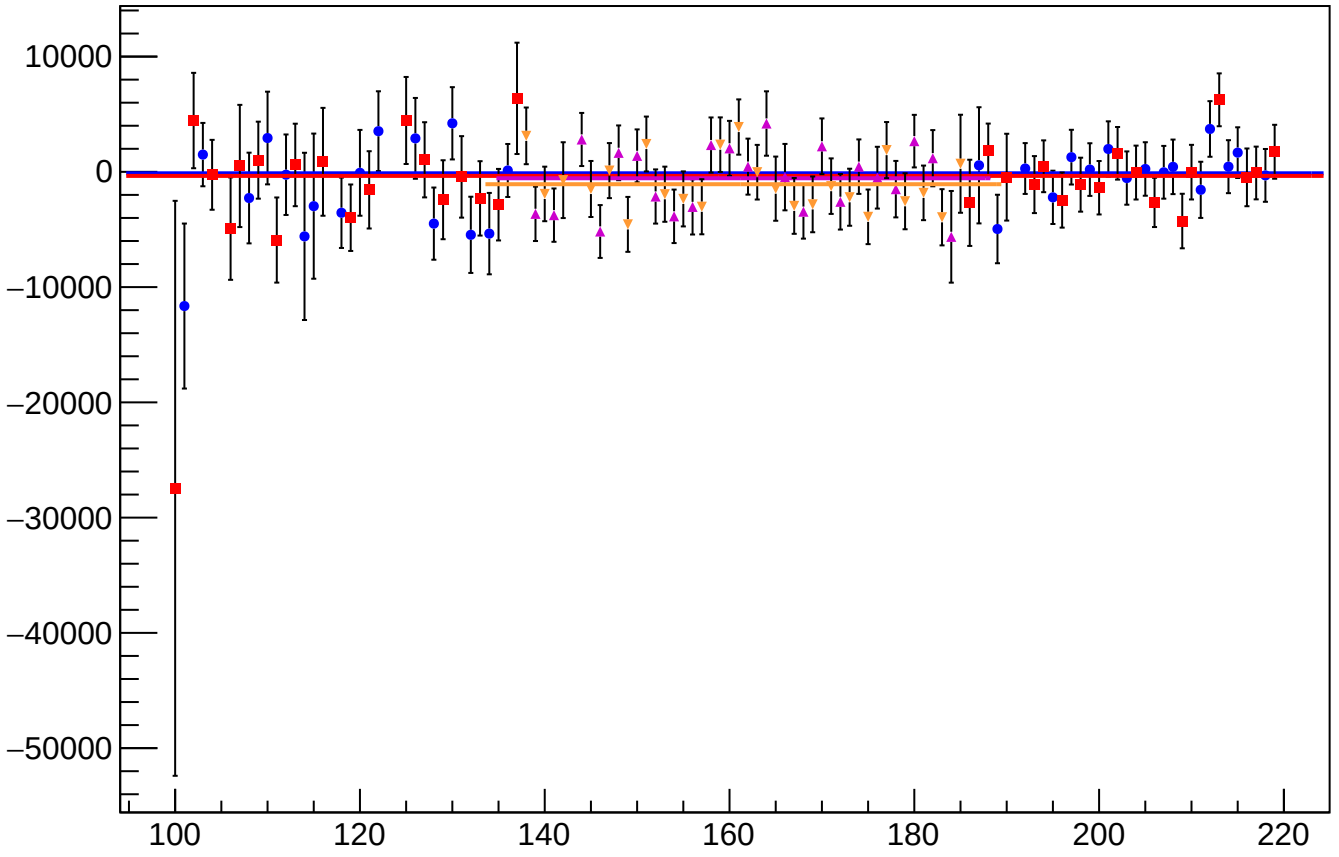
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 225.932+/-0.042 χ^2/NDF: 51419822.0/66

In: 144.573+/-0.022 χ^2/NDF:29651547.9/54

Out: 136.114+/-0.021 χ^2/NDF:33046063.2/58

All: 140.160+/-0.015 χ^2/NDF: 62777523.3/11



Right In: -125.827+/-495.672 χ^2/NDF: 24.8/31

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -351.432+/-486.337 χ^2/NDF: 29.4/34

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

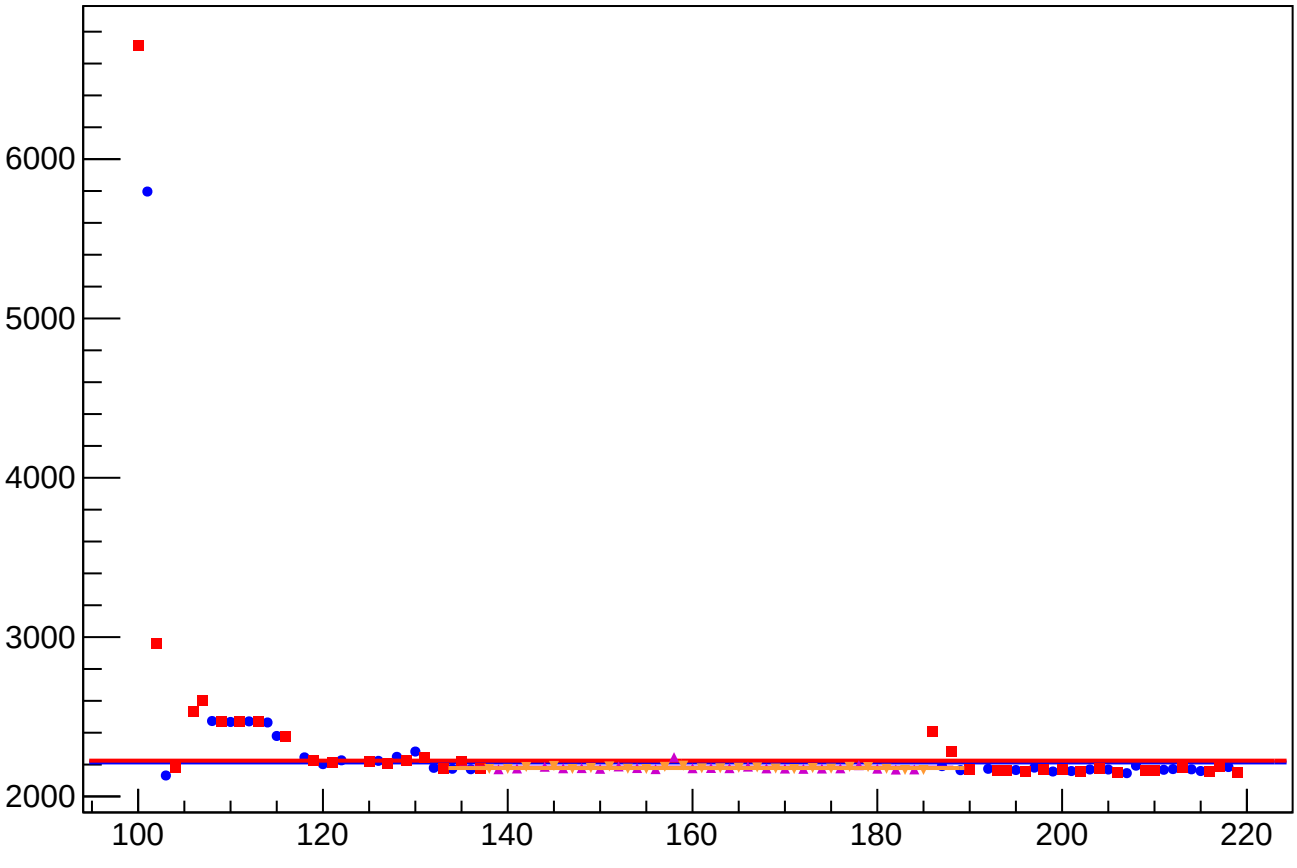
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -240.774+/-347.145 χ^2/NDF: 54.3/66

In: -335.645+/-355.182 χ^2/NDF:53.8/54

Out: -698.156+/-350.482 χ^2/NDF:52.0/58

All: -519.315+/-249.473 χ^2/NDF: 106.4/113



Right In: 2213.450+/-0.350 χ^2/NDF: 548558.2/31

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2224.633+/-0.344 χ^2/NDF: 205052.8/34

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

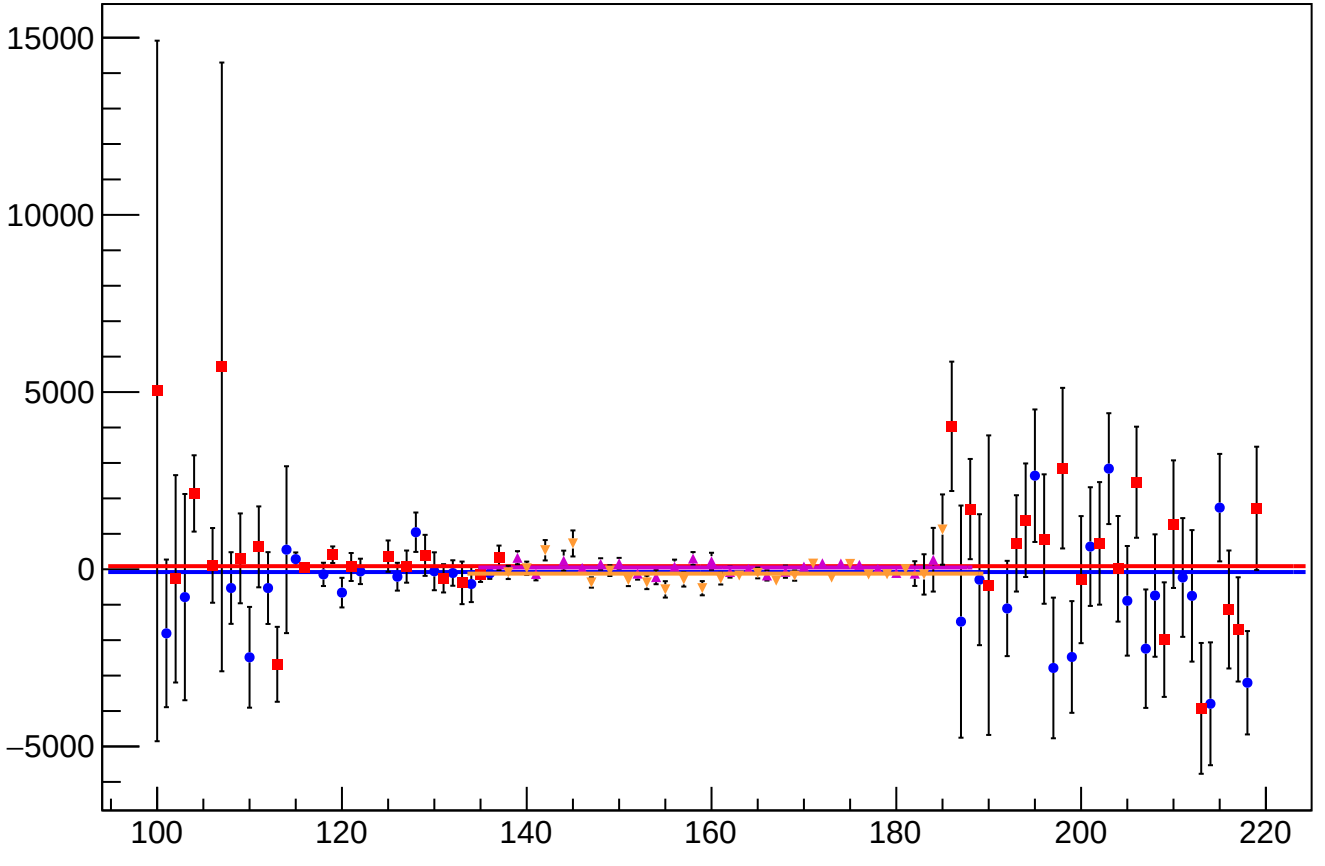
Right: 2219.148+/-0.245 χ^2/NDF: 754129.7/66

In: 2197.623+/-0.251 χ^2/NDF:554615.8/54

Out: 2202.336+/-0.248 χ^2/NDF:214188.0/58

All: 2200.011+/-0.176 χ^2/NDF: 768982.2/113

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -78.443+/-88.871 χ^2/NDF: 38.1/31

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 87.619+/-80.718 χ^2/NDF: 38.1/34

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

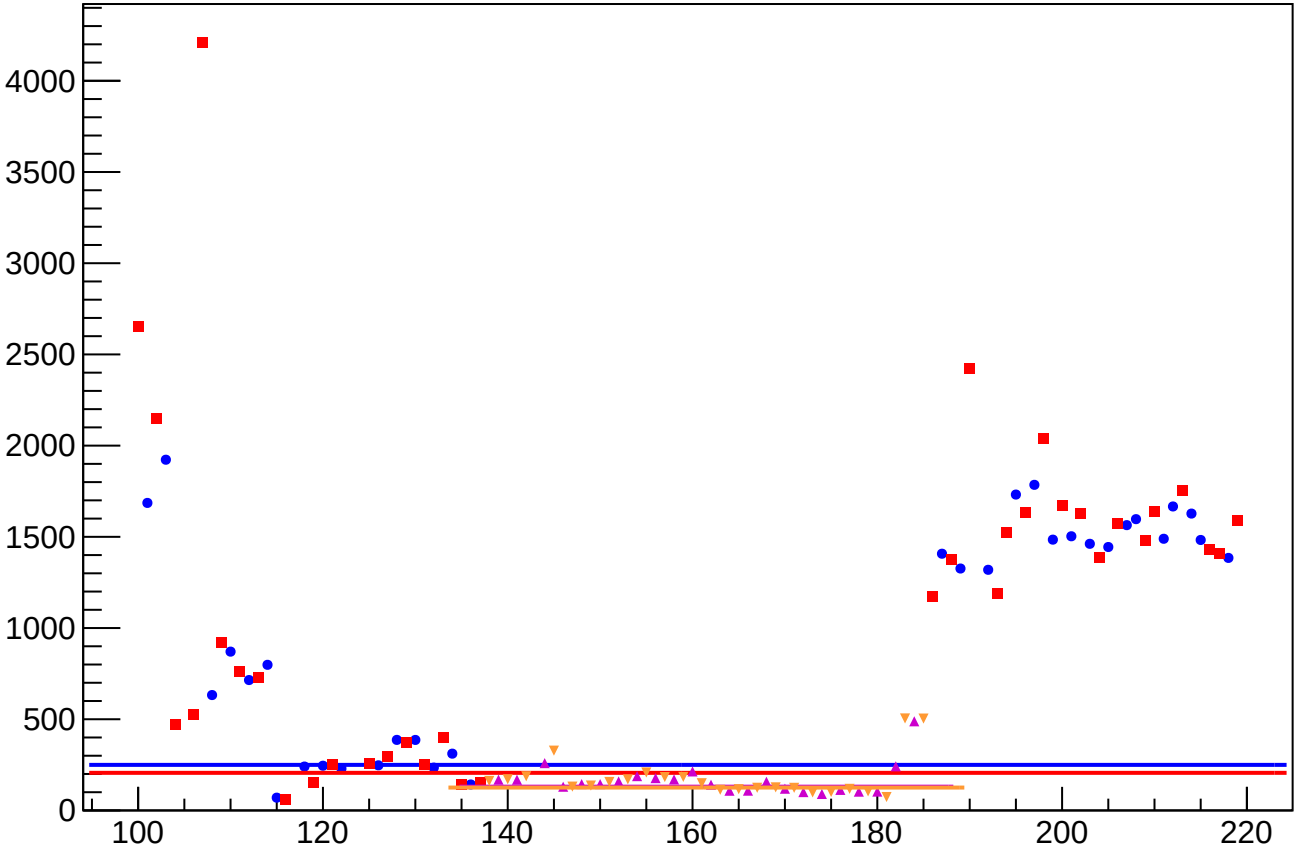
Right: 12.553+/-59.751 χ^2/NDF: 78.1/66

In: 34.994+/-30.563 χ^2/NDF:58.2/54

Out: -95.242+/-29.270 χ^2/NDF:87.8/58

All: -32.936+/-21.139 χ^2/NDF: 155.5/113

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 249.853+/-0.063 χ^2/NDF: 23788889.3/31

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 206.197+/-0.057 χ^2/NDF: 27366476.2/34

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

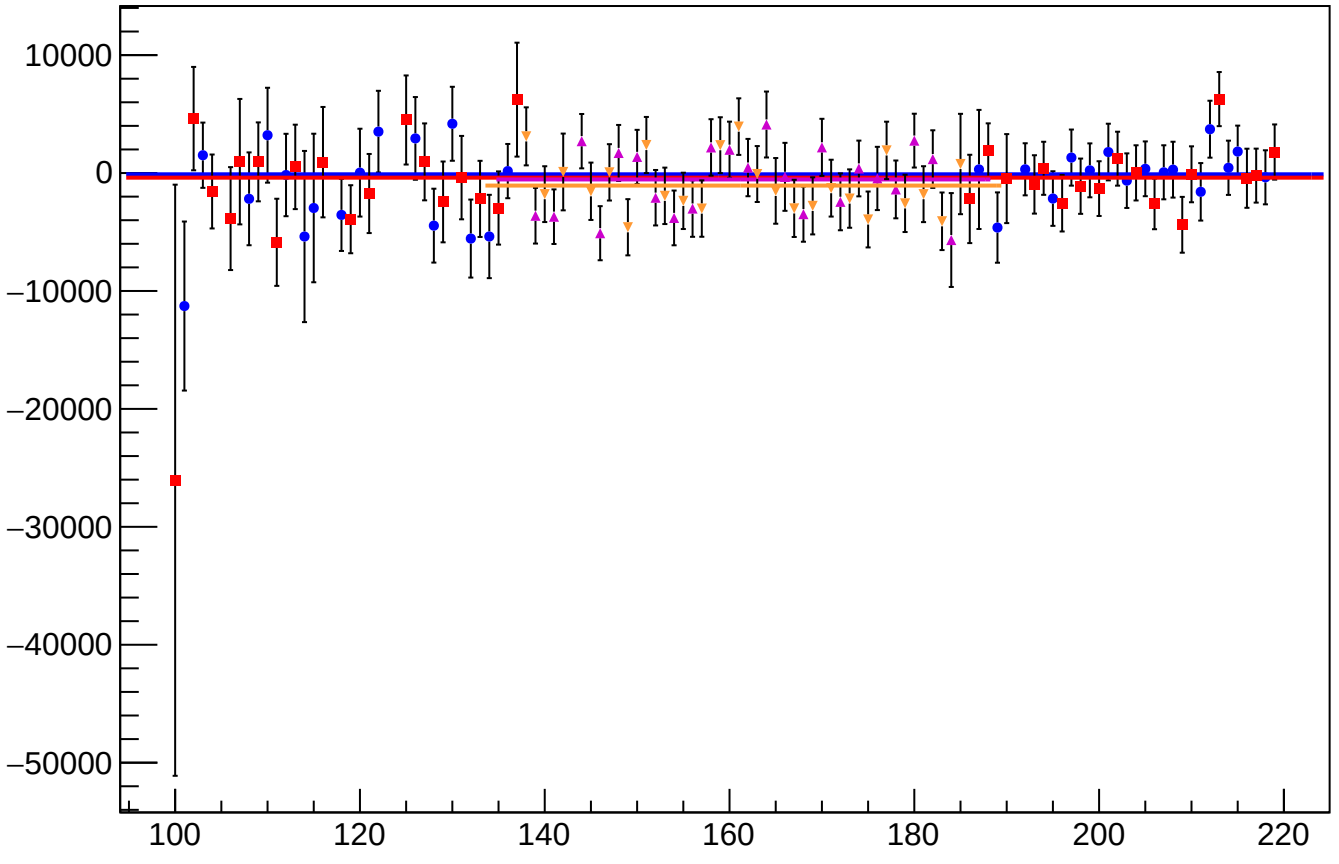
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 225.932+/-0.042 χ^2/NDF: 51419822.0/66

In: 144.573+/-0.022 χ^2/NDF:29651547.9/54

Out: 136.114+/-0.021 χ^2/NDF:33046063.2/58

All: 140.160+/-0.015 χ^2/NDF: 62777523.3/11



Right In: -106.439+/-496.179 χ^2/NDF: 24.3/31

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: -392.423+/-487.480 χ^2/NDF: 28.6/34

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

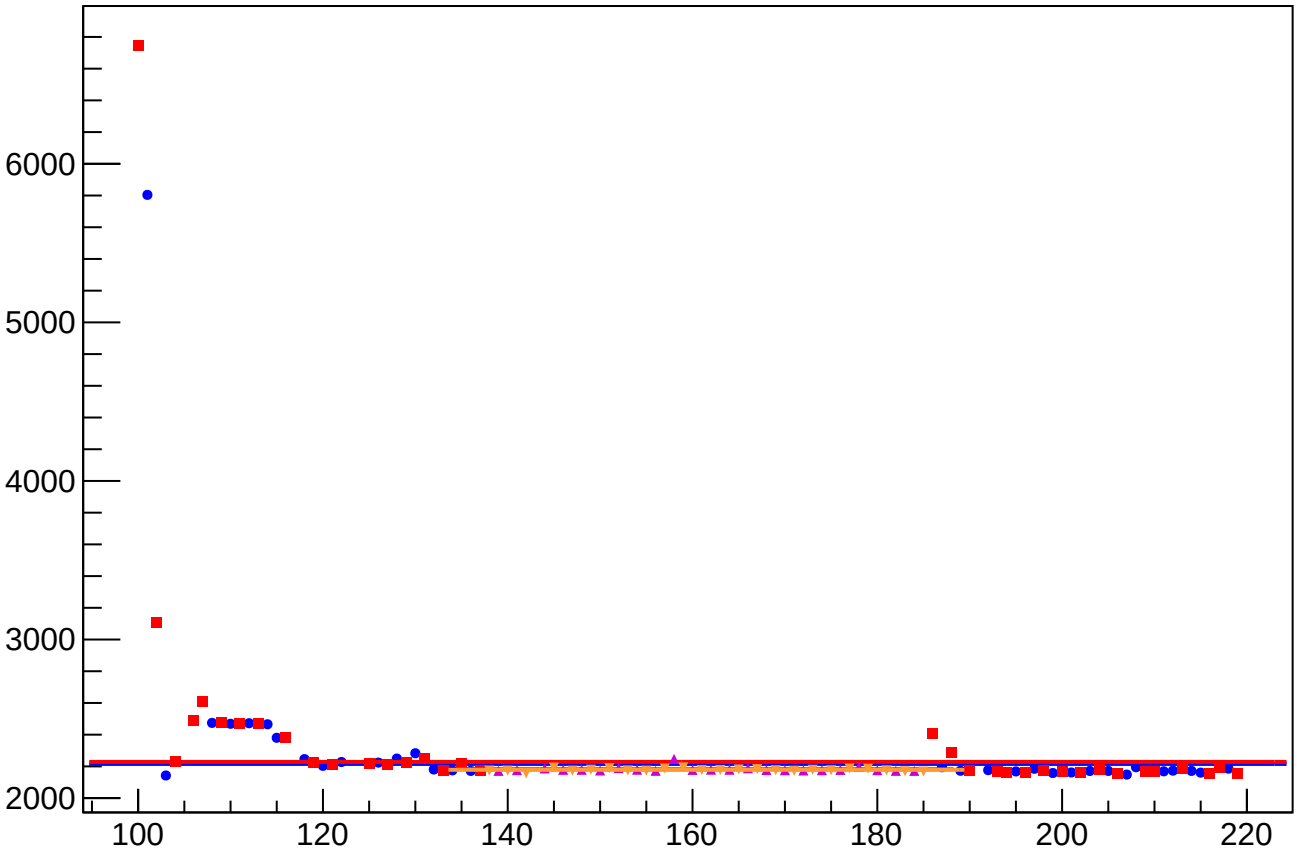
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -251.960+/-347.735 χ^2/NDF: 53.1/66

In: -319.580+/-355.445 χ^2/NDF:52.6/54

Out: -715.160+/-350.940 χ^2/NDF:51.4/58

All: -519.892+/-249.730 χ^2/NDF: 104.6/113



Right In: 2215.635+/-0.351 χ^2/NDF: 548032.0/31

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2228.221+/-0.345 χ^2/NDF: 221154.8/34

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

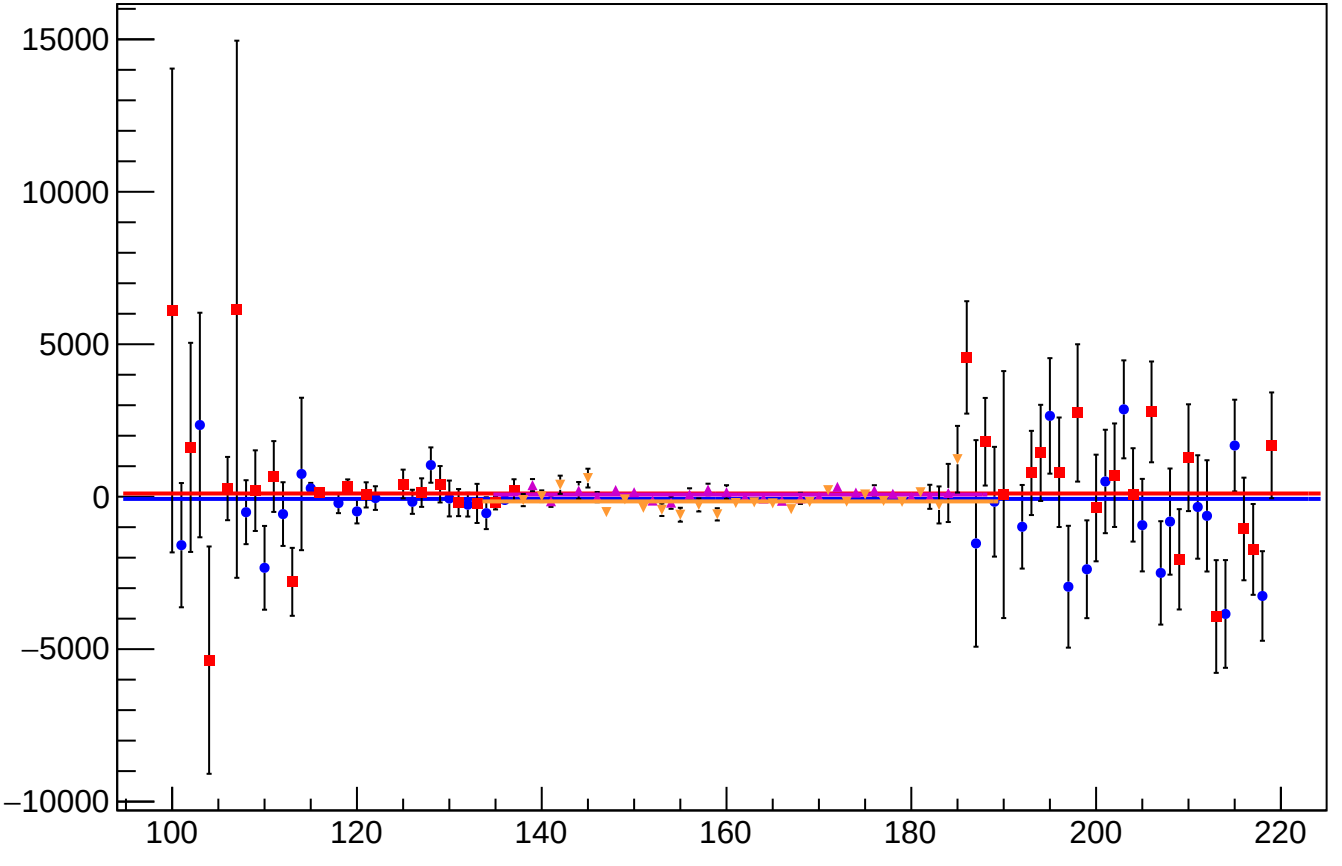
Right: 2222.039+/-0.246 χ^2/NDF: 769841.7/66

In: 2199.203+/-0.251 χ^2/NDF:554375.6/54

Out: 2204.270+/-0.248 χ^2/NDF:231632.8/58

All: 2201.769+/-0.177 χ^2/NDF: 786214.2/113

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -72.534+/-90.288 χ^2/NDF: 37.8/31

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: 104.649+/-84.276 χ^2/NDF: 37.3/34

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

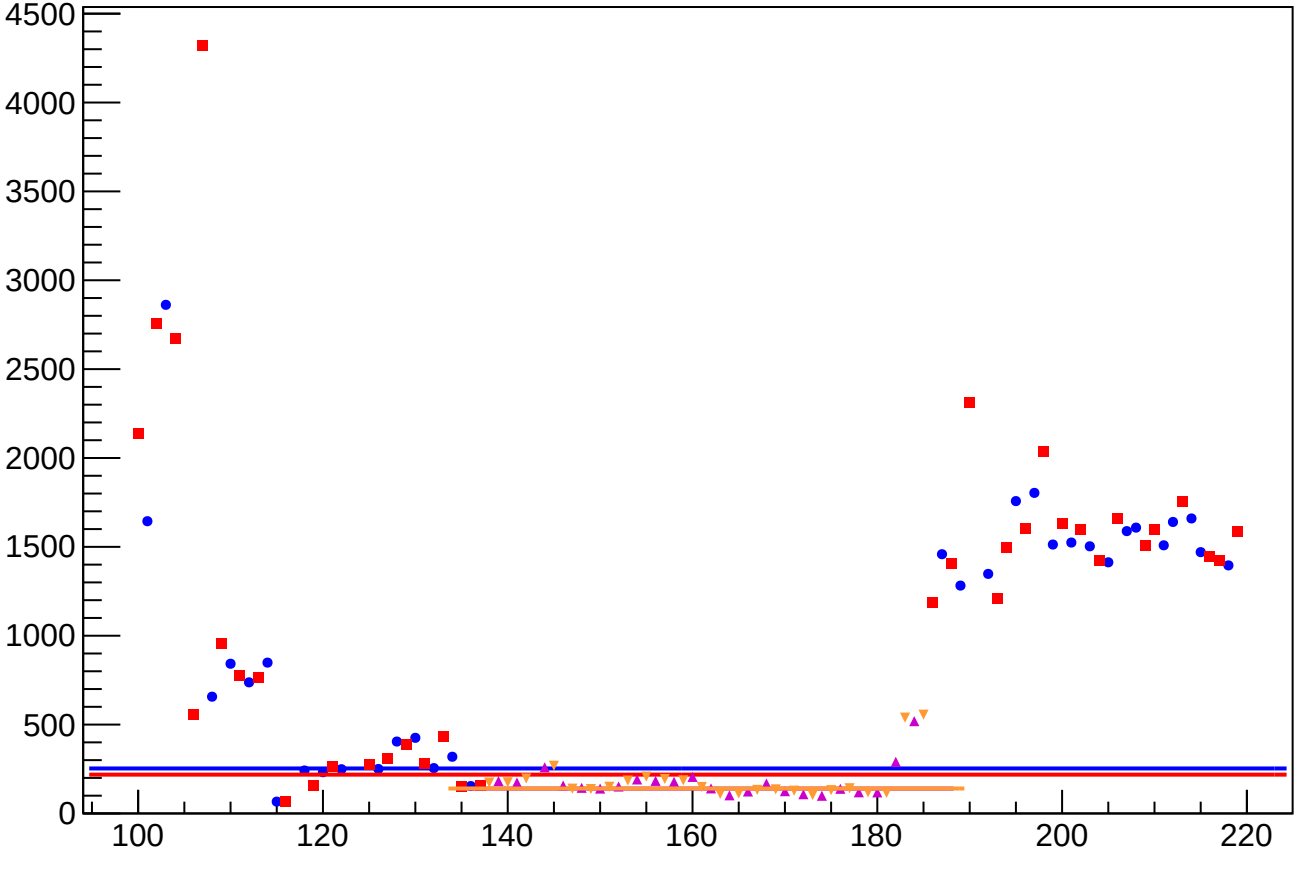
Right: 22.153+/-61.608 χ^2/NDF: 77.1/66

In: 52.235+/-31.986 χ^2/NDF:58.9/54

Out: -118.307+/-31.579 χ^2/NDF:92.8/58

All: -34.128+/-22.472 χ^2/NDF: 166.0/113

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 253.158+/-0.064 χ^2/NDF: 24333374.5/31

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 218.418+/-0.060 χ^2/NDF: 28064555.4/34

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

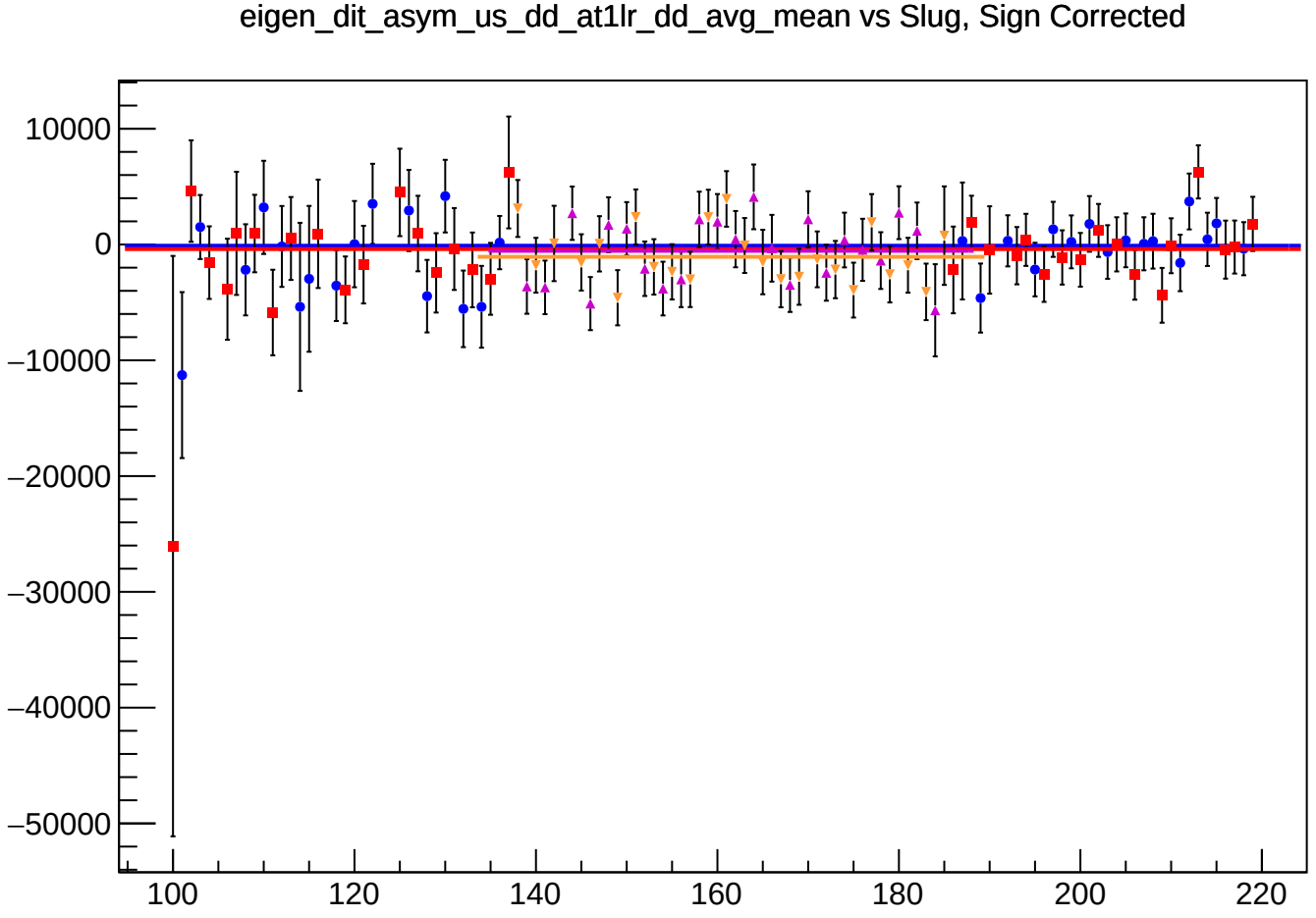
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 234.593+/-0.044 χ^2/NDF: 52556162.1/66

In: 154.183+/-0.023 χ^2/NDF:29494128.6/54

Out: 151.284+/-0.022 χ^2/NDF:32301263.6/58

All: 152.715+/-0.016 χ^2/NDF: 61803710.4/11



Right In: -106.441+/-496.179 χ^2/NDF: 24.3/31

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: -392.424+/-487.480 χ^2/NDF: 28.6/34

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

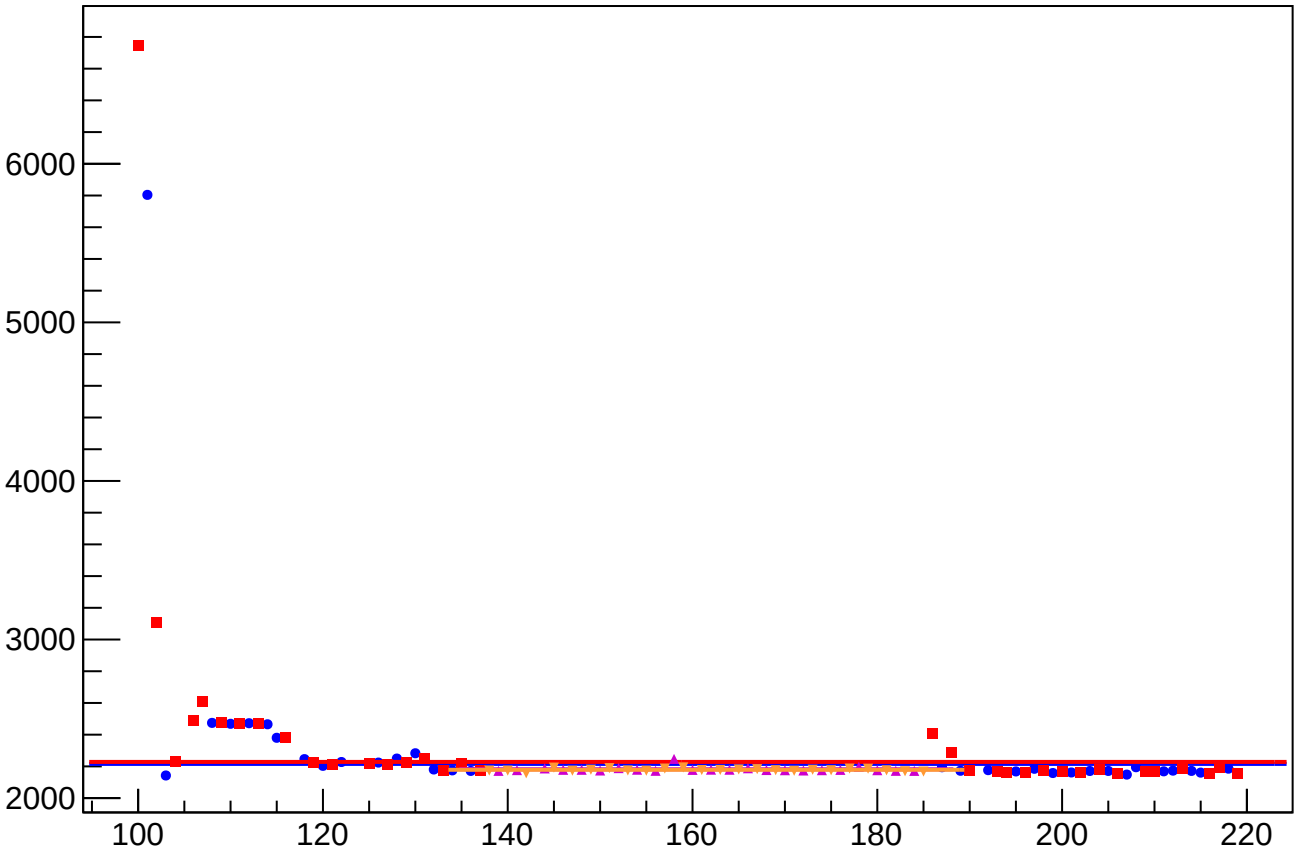
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -251.961+/-347.735 χ^2/NDF: 53.1/66

In: -319.581+/-355.445 χ^2/NDF:52.6/54

Out: -715.160+/-350.940 χ^2/NDF:51.4/58

All: -519.893+/-249.730 χ^2/NDF: 104.6/113



Right In: 2215.635+/-0.351 χ^2/NDF: 548032.1/31

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2228.221+/-0.345 χ^2/NDF: 221154.7/34

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

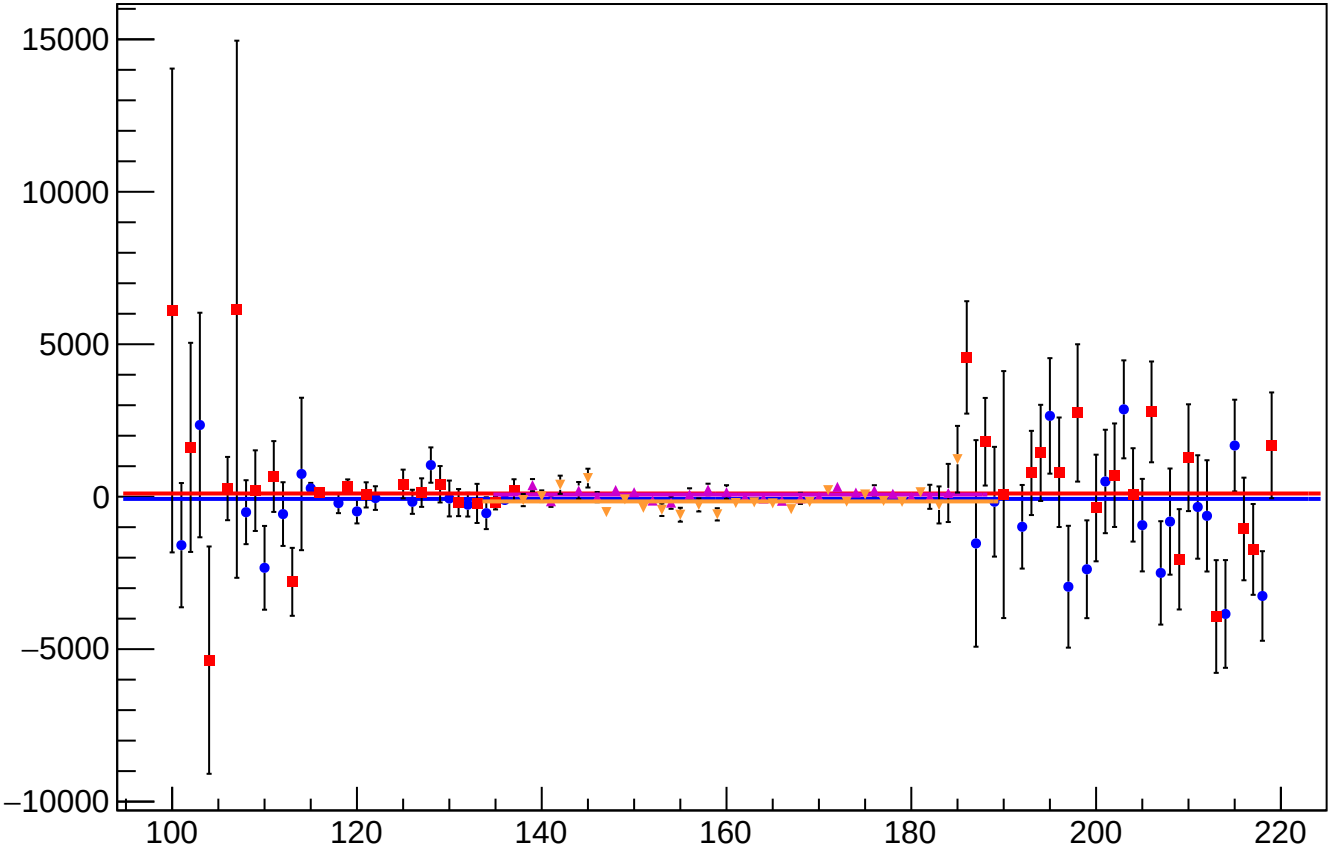
Right: 2222.039+/-0.246 χ^2/NDF: 769841.6/66

In: 2199.203+/-0.251 χ^2/NDF:554375.6/54

Out: 2204.270+/-0.248 χ^2/NDF:231632.6/58

All: 2201.769+/-0.177 χ^2/NDF: 786214.1/113

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -72.530+/-90.287 χ^2/NDF: 37.8/31

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 104.650+/-84.275 χ^2/NDF: 37.3/34

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

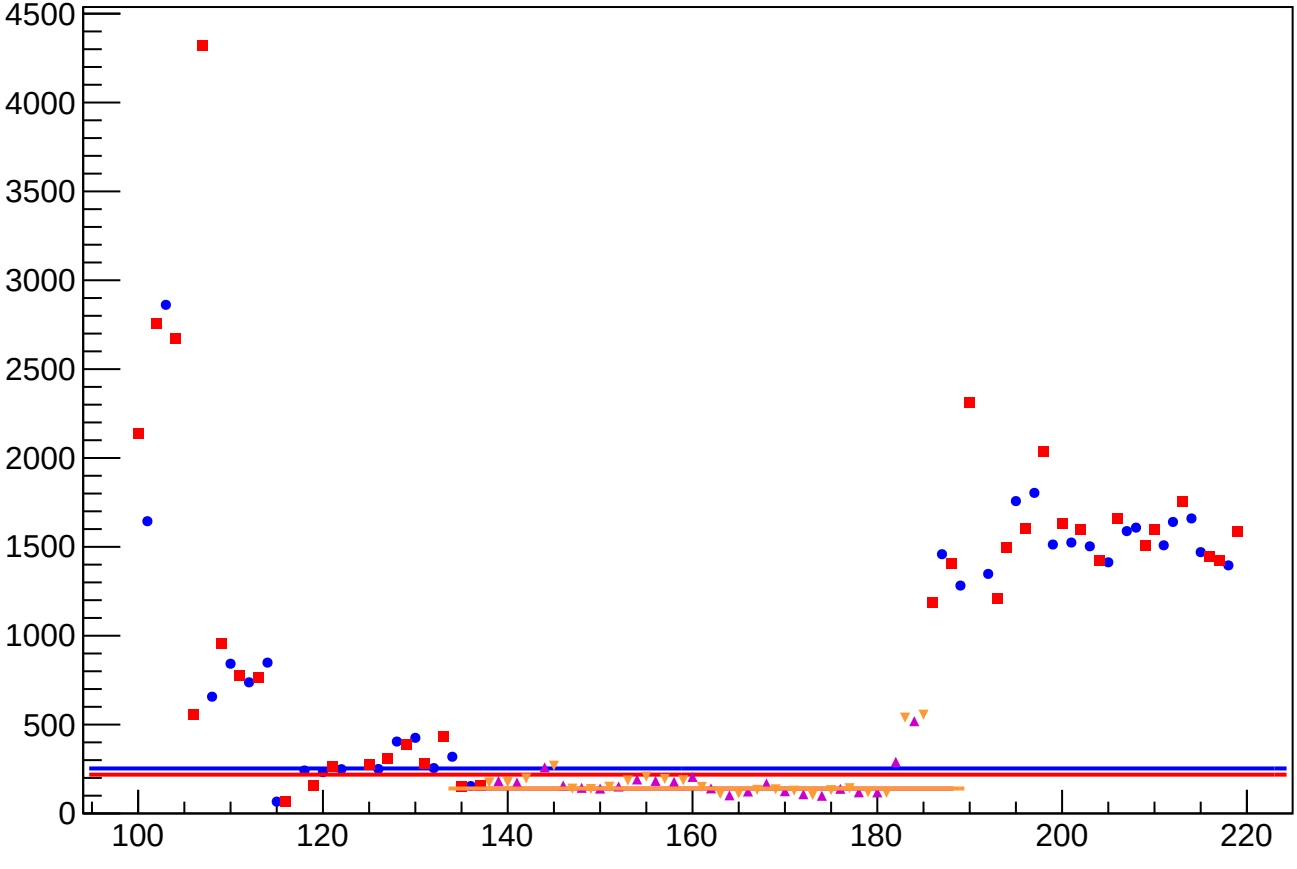
Right: 22.155+/-61.607 χ^2/NDF: 77.1/66

In: 52.234+/-31.986 χ^2/NDF:58.9/54

Out: -118.307+/-31.579 χ^2/NDF:92.8/58

All: -34.128+/-22.472 χ^2/NDF: 166.0/113

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 253.155+/-0.064 χ^2/NDF: 24333505.1/31

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 218.415+/-0.060 χ^2/NDF: 28064708.6/34

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

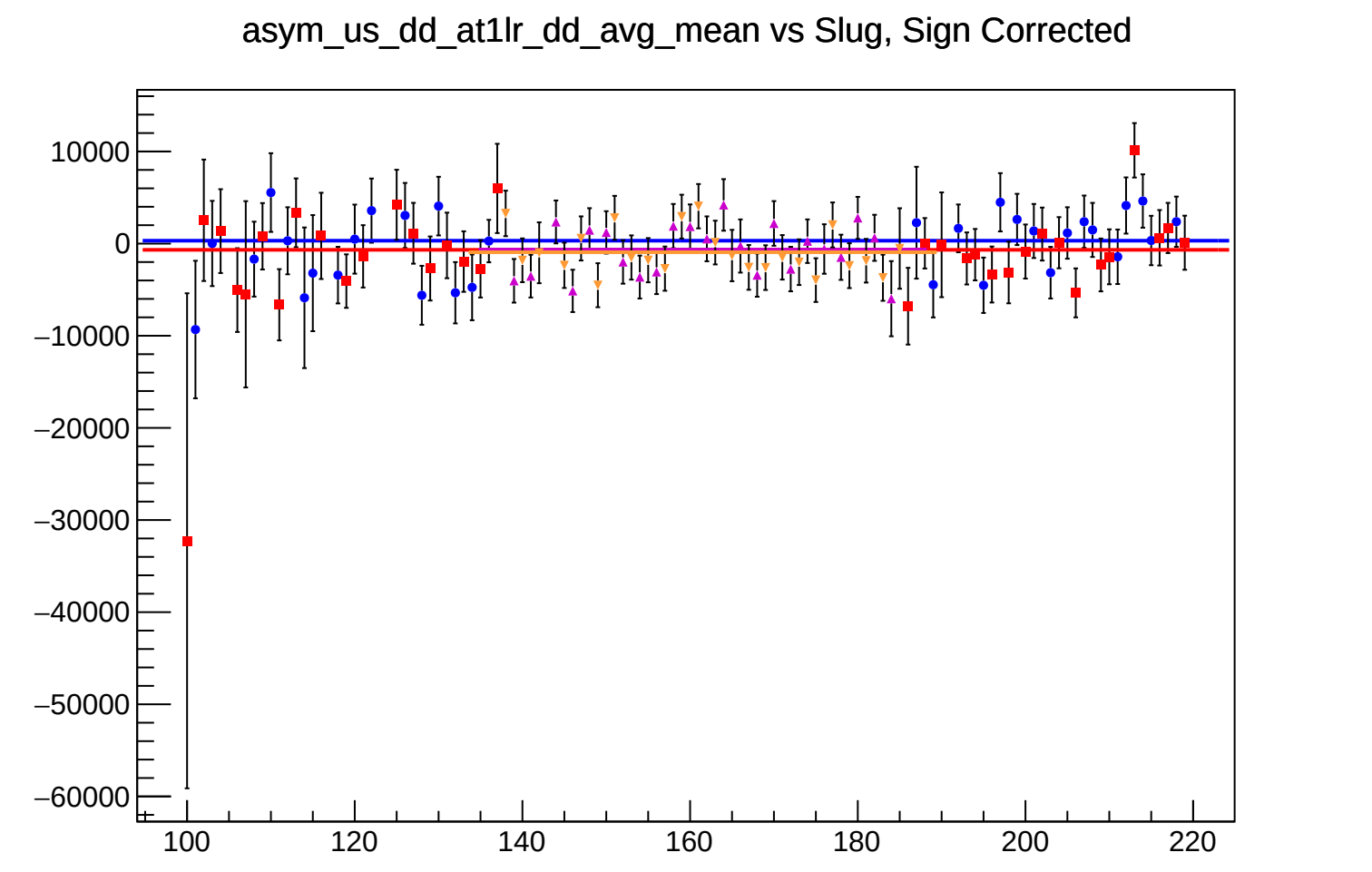
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 234.590+/-0.044 χ^2/NDF: 52556448.5/66

In: 154.183+/-0.023 χ^2/NDF:29494183.5/54

Out: 151.285+/-0.022 χ^2/NDF:32301297.1/58

All: 152.715+/-0.016 χ^2/NDF: 61803798.3/11



Right In: 318.111+/-576.052 χ^2/NDF: 31.4/31

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -674.621+/-572.510 χ^2/NDF: 35.0/34

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

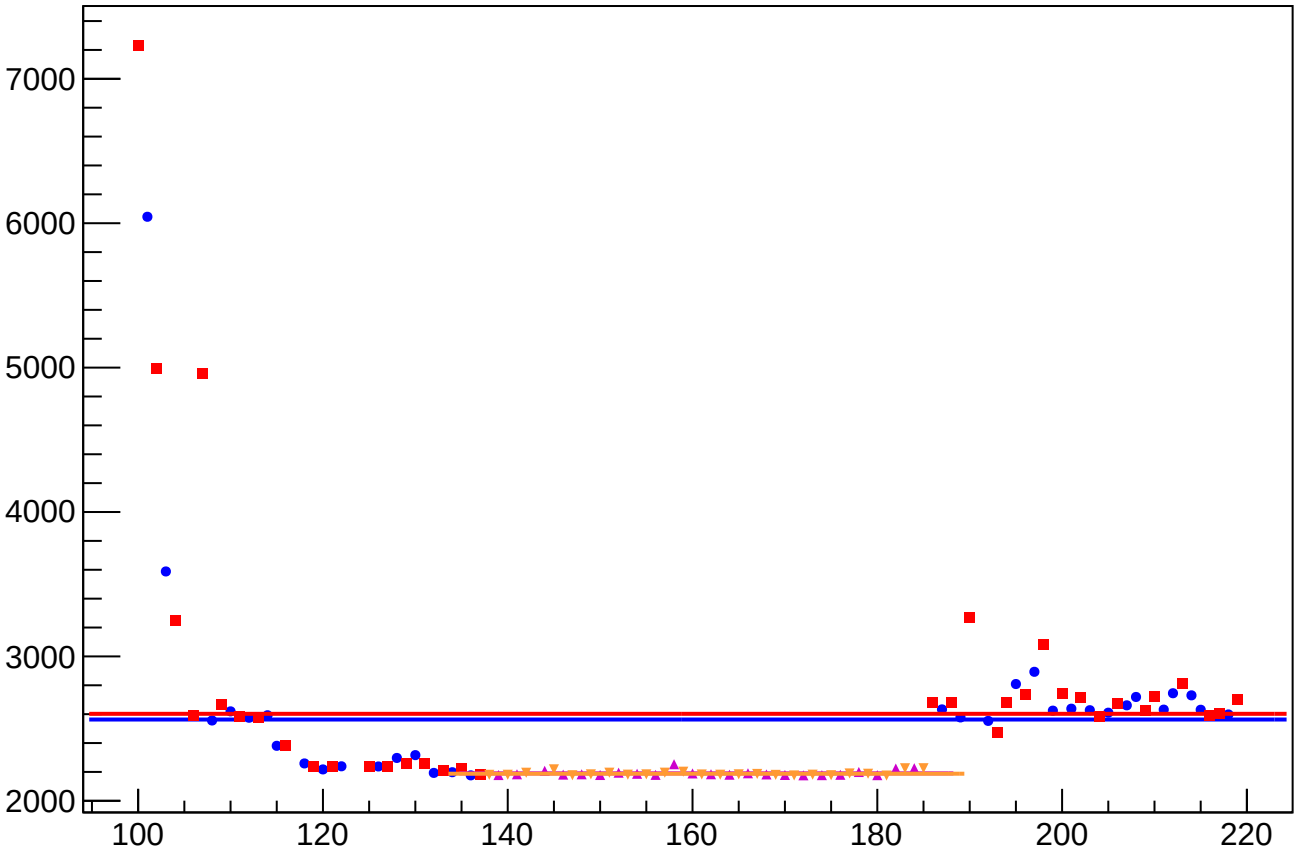
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -181.316+/-406.072 χ^2/NDF: 67.9/66

In: -219.282+/-382.426 χ^2/NDF:60.0/54

Out: -818.694+/-379.861 χ^2/NDF:57.5/58

All: -521.005+/-269.505 χ^2/NDF: 118.7/113



Right In: 2562.904+/-0.407 χ^2/NDF: 798263.4/31

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2602.383+/-0.405 χ^2/NDF: 792013.4/34

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

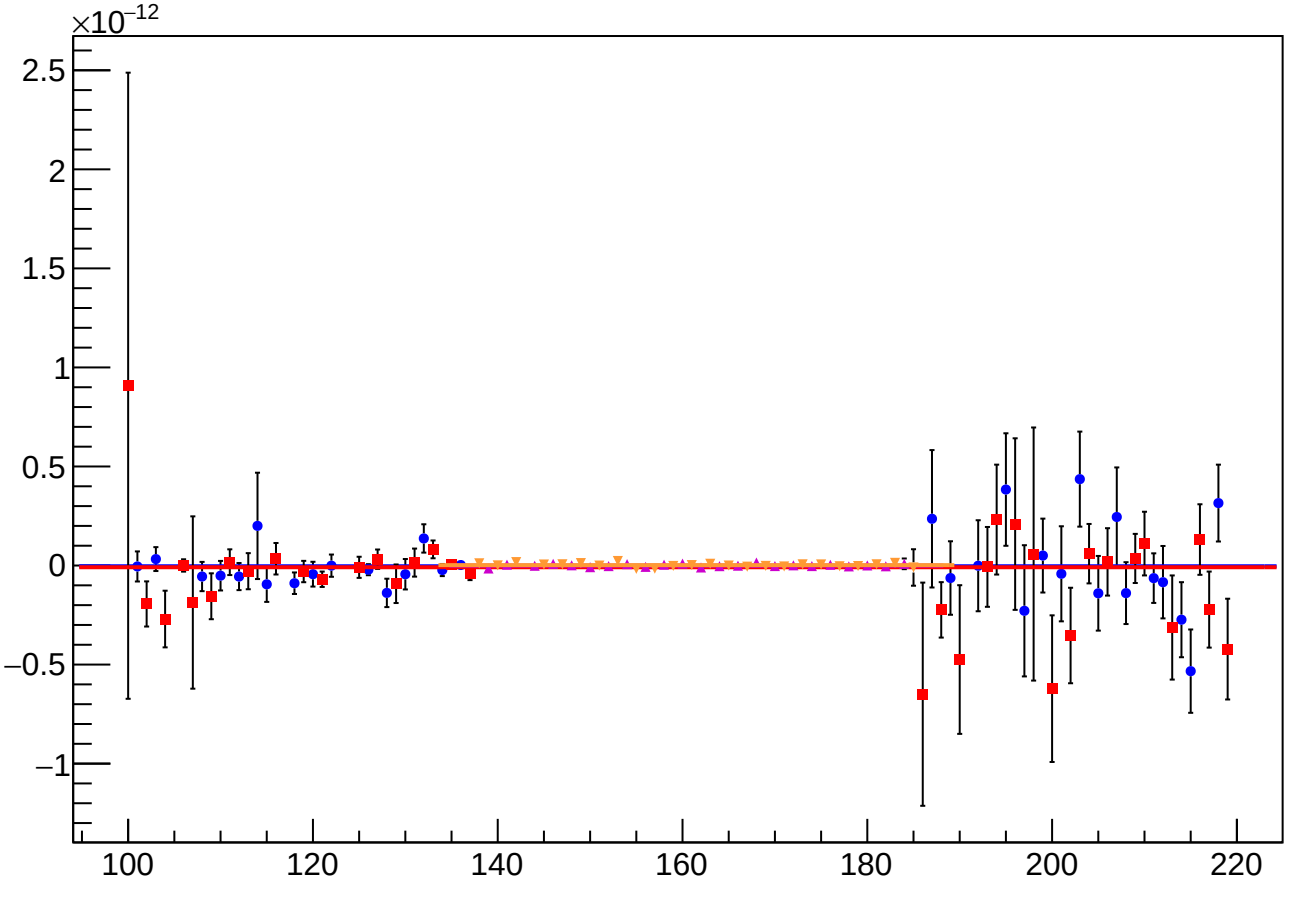
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2582.765+/-0.287 χ^2/NDF: 1595002.5/66

In: 2354.441+/-0.270 χ^2/NDF:1269126.1/54

Out: 2370.213+/-0.269 χ^2/NDF:1380940.6/58

All: 2362.380+/-0.191 χ^2/NDF: 2651779.0/11



Right In: -0.000+/-0.000 χ^2/NDF: 35.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/34

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

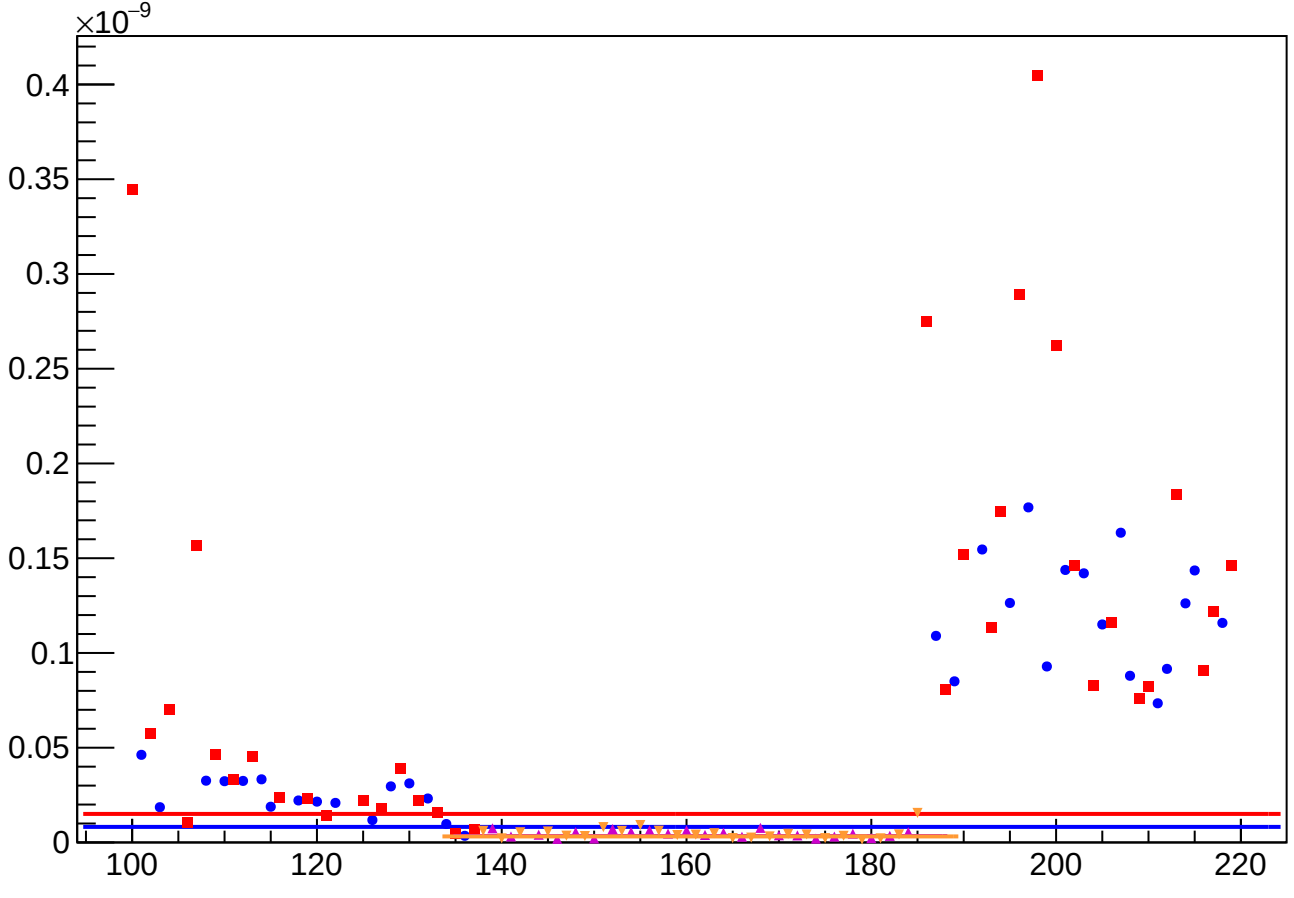
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 72.6/66

In: -0.000+/-0.000 χ^2/NDF:49.3/54

Out: 0.000+/-0.000 χ^2/NDF:57.3/58

All: 0.000+/-0.000 χ^2/NDF: 107.6/113



Right In: 0.000+/-0.000 χ^2/NDF: 11962957.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12561844.3/34

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

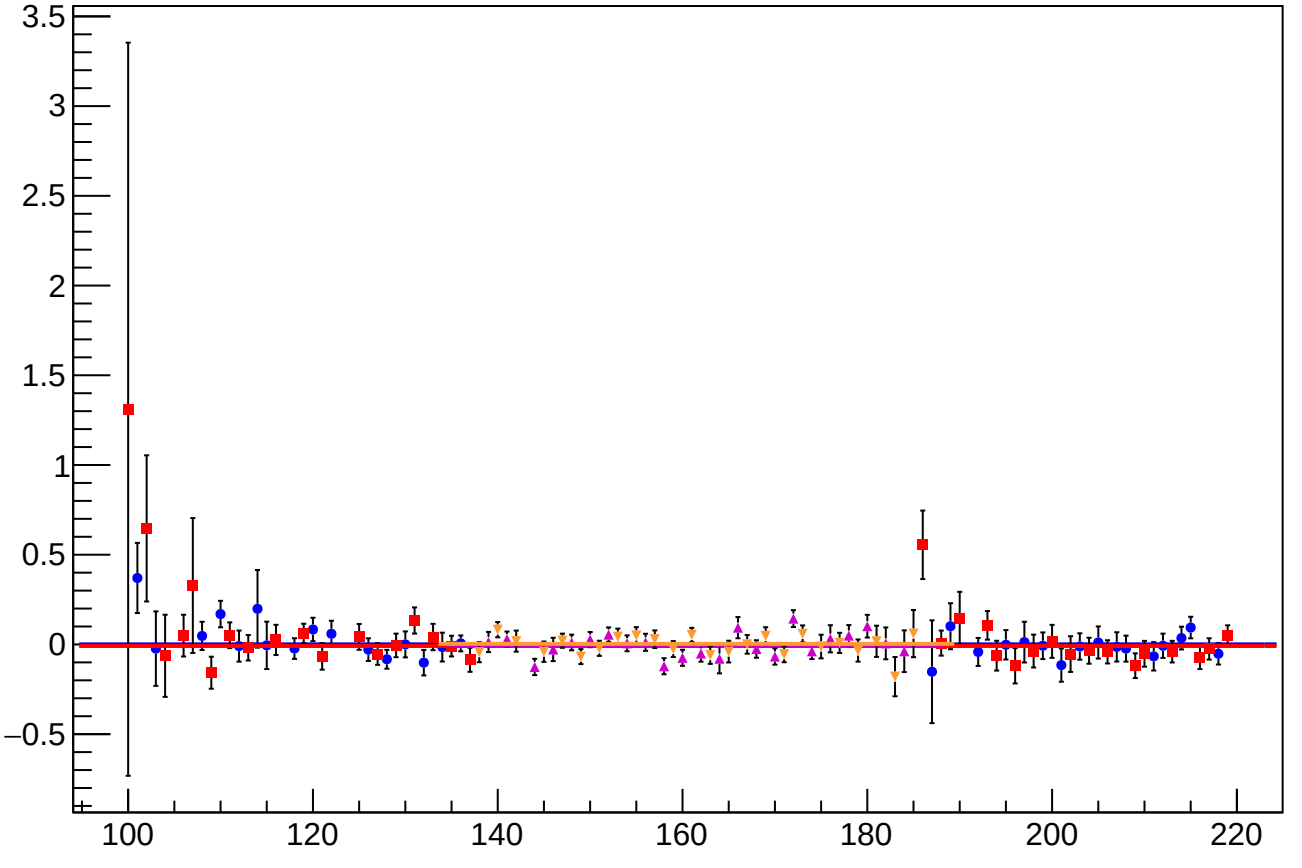
Right: 0.000+/-0.000 χ^2/NDF: 25241753.6/66

In: 0.000+/-0.000 χ^2/NDF:14780408.2/54

Out: 0.000+/-0.000 χ^2/NDF:17627750.7/58

All: 0.000+/-0.000 χ^2/NDF: 32432450.8/113

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.013 χ^2/NDF: 24.5/31

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.009+/-0.013 χ^2/NDF: 36.4/34

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

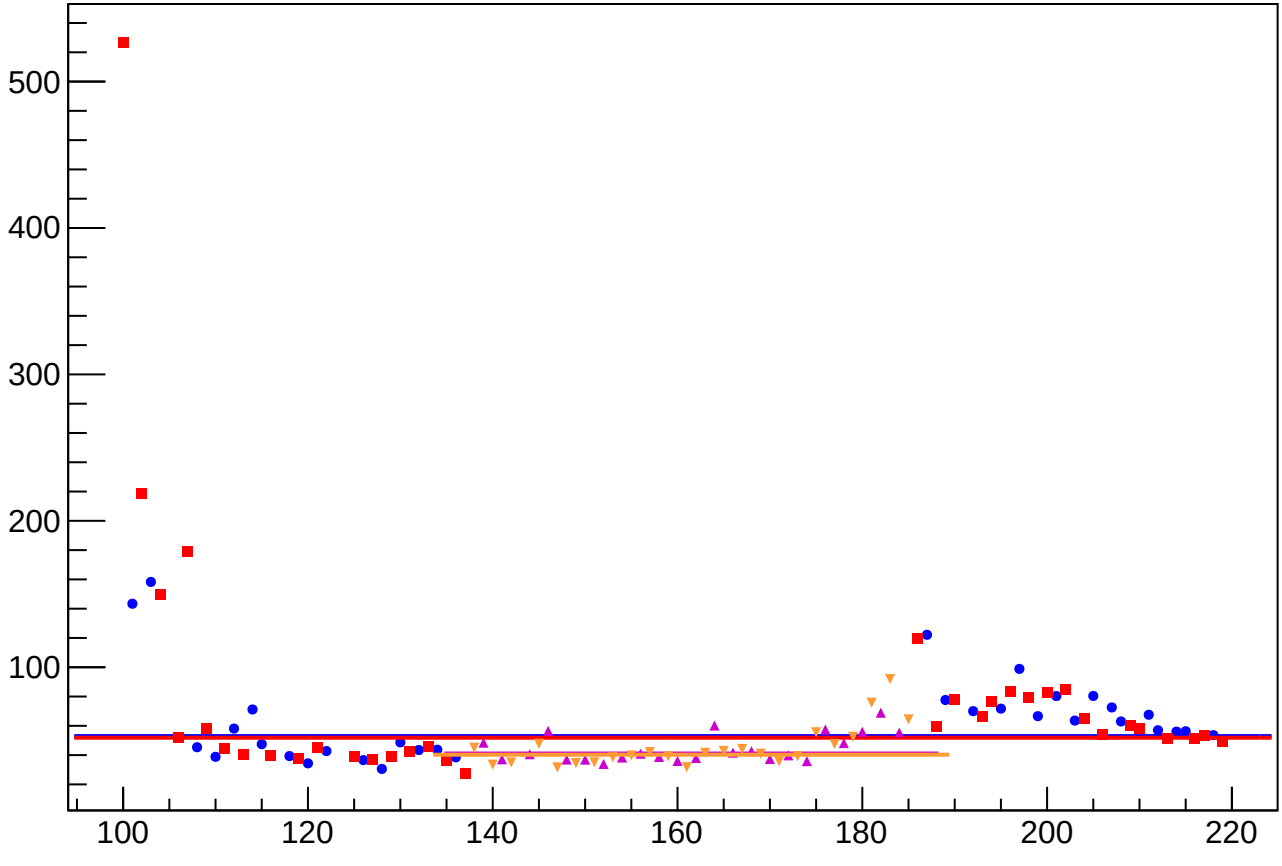
Right: -0.004+/-0.009 χ^2/NDF: 61.1/66

In: -0.003+/-0.008 χ^2/NDF:66.0/54

Out: -0.001+/-0.008 χ^2/NDF:58.7/58

All: -0.002+/-0.006 χ^2/NDF: 124.8/113

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.978+/-0.009 χ^2/NDF: 3583365.6/31

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.870+/-0.009 χ^2/NDF: 3577978.5/34

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

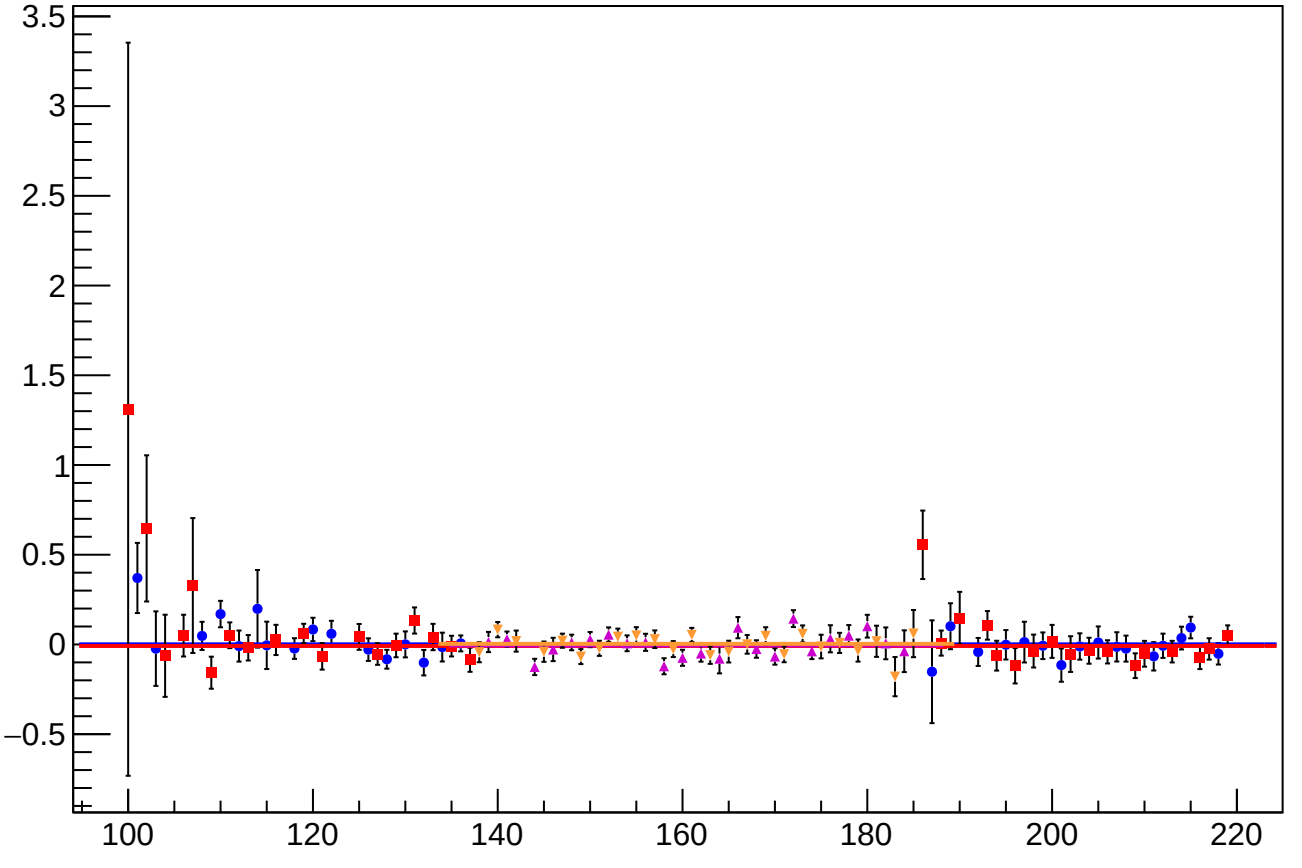
Right: 52.412+/-0.007 χ^2/NDF: 7168368.0/66

In: 45.653+/-0.006 χ^2/NDF:5485045.0/54

Out: 44.755+/-0.006 χ^2/NDF:6032528.8/58

All: 45.195+/-0.004 χ^2/NDF: 11529561.4/113

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.013 χ^2/NDF: 24.5/31

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.009+/-0.013 χ^2/NDF: 36.4/34

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

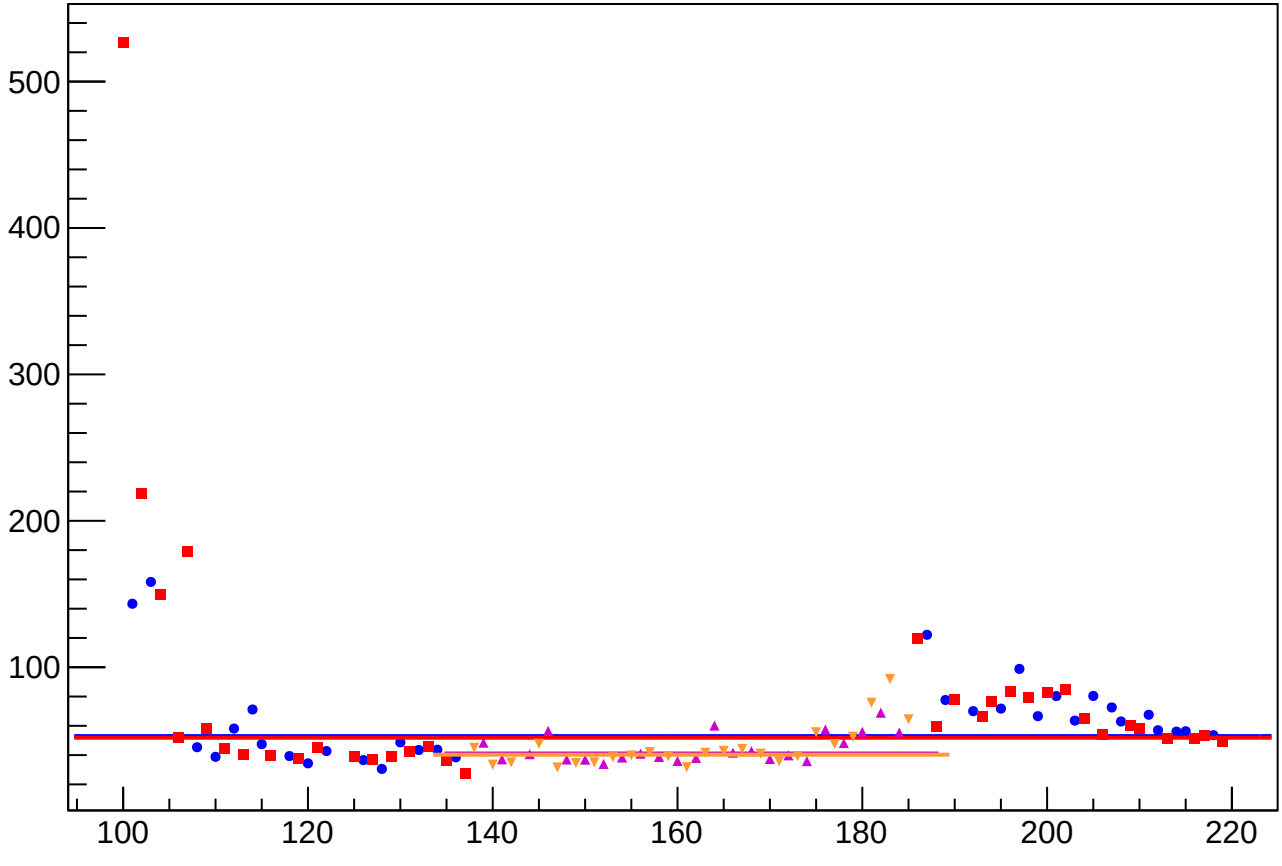
Right: -0.004+/-0.009 χ^2/NDF: 61.1/66

In: -0.003+/-0.008 χ^2/NDF:66.0/54

Out: -0.001+/-0.008 χ^2/NDF:58.7/58

All: -0.002+/-0.006 χ^2/NDF: 124.8/113

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.978+/-0.009 χ^2/NDF: 3583365.6/31

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.870+/-0.009 χ^2/NDF: 3577978.5/34

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

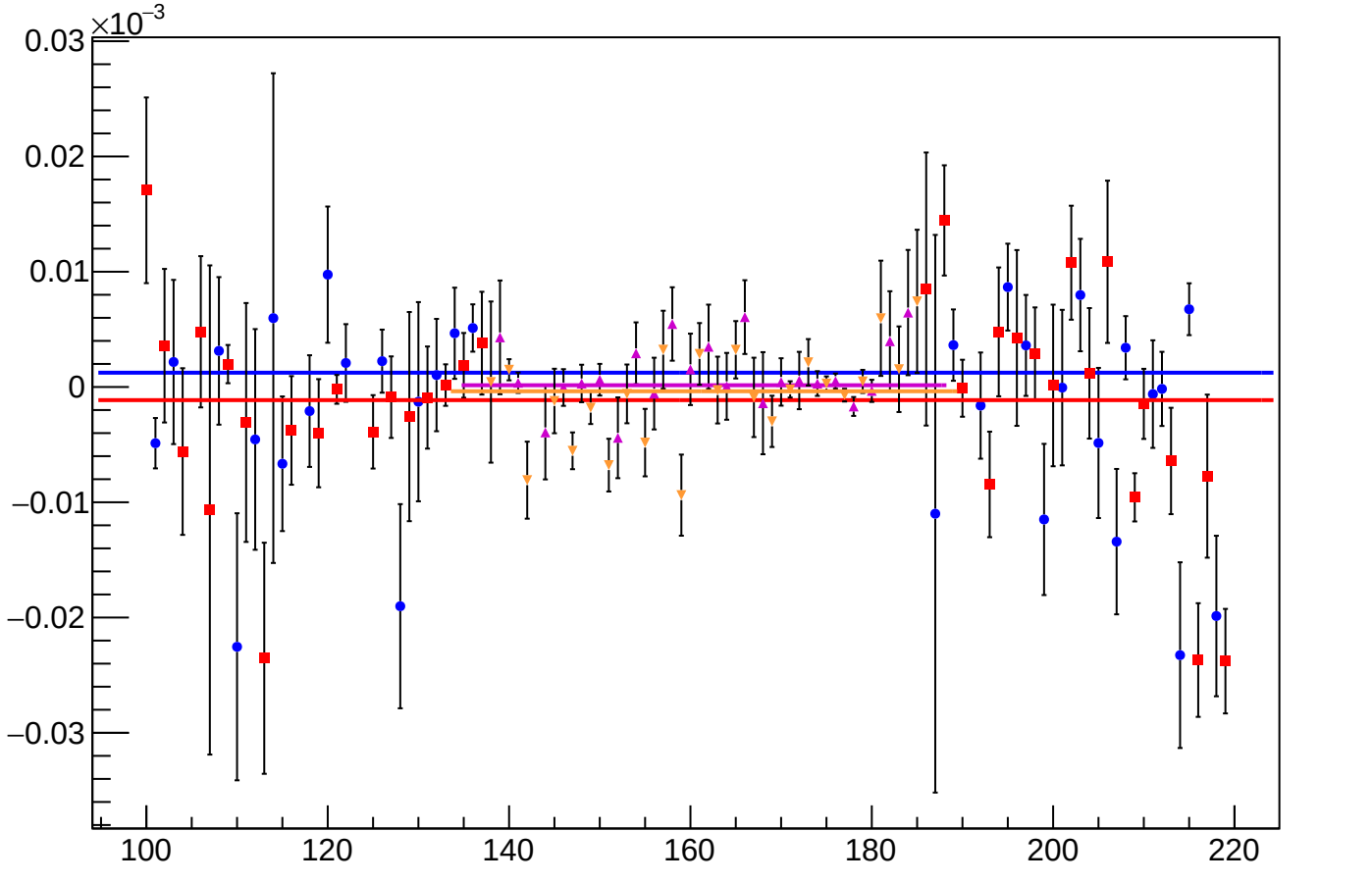
Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

Right: 52.412+/-0.007 χ^2/NDF: 7168368.0/66

In: 45.653+/-0.006 χ^2/NDF:5485045.0/54

Out: 44.755+/-0.006 χ^2/NDF:6032528.8/58

All: 45.195+/-0.004 χ^2/NDF: 11529561.4/113



Right In: 0.000+/-0.000 χ^2/NDF: 69.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 110.4/34

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

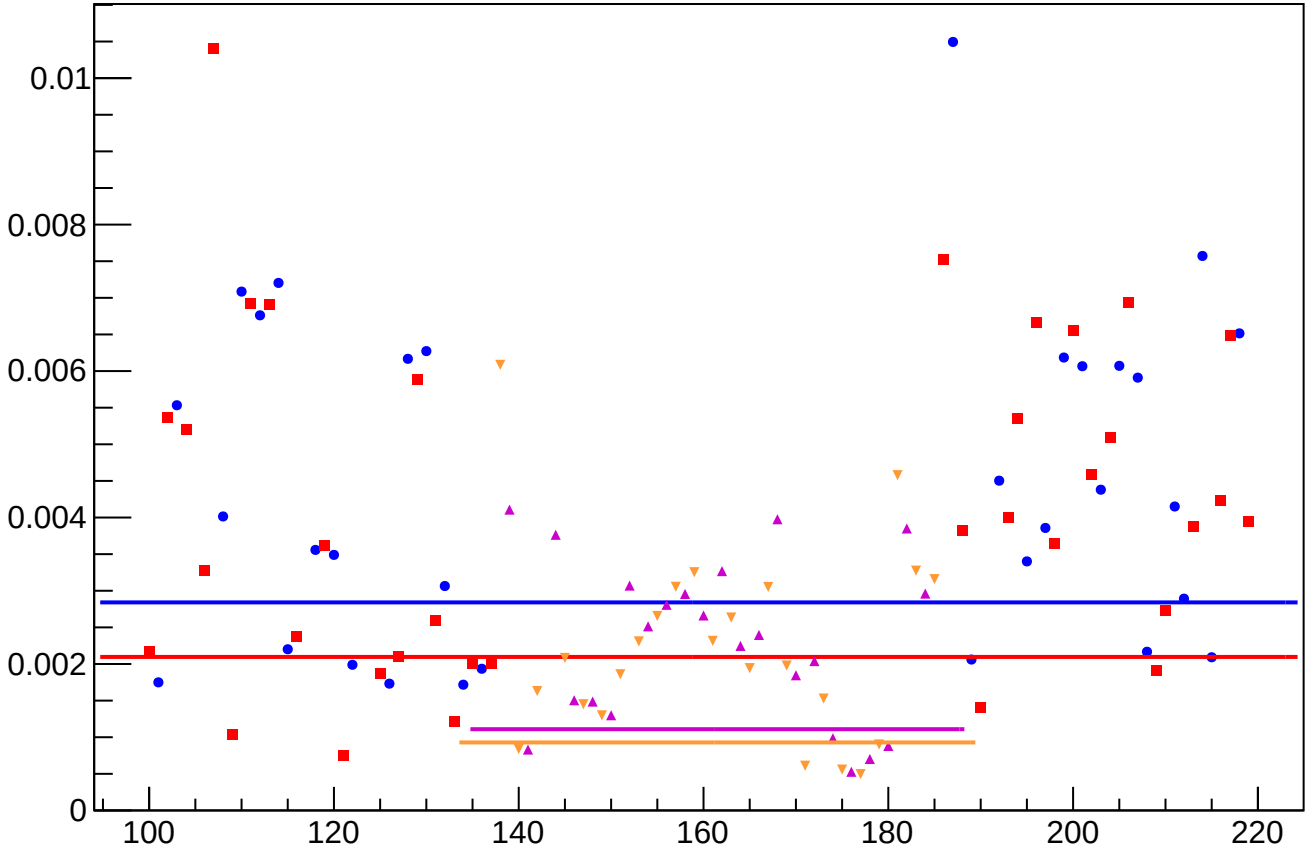
Right: -0.000+/-0.000 χ^2/NDF: 186.5/66

In: 0.000+/-0.000 χ^2/NDF:91.3/54

Out: -0.000+/-0.000 χ^2/NDF:163.0/58

All: -0.000+/-0.000 χ^2/NDF: 259.1/113

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: 7871100.2/31

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 13910417.3/34

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

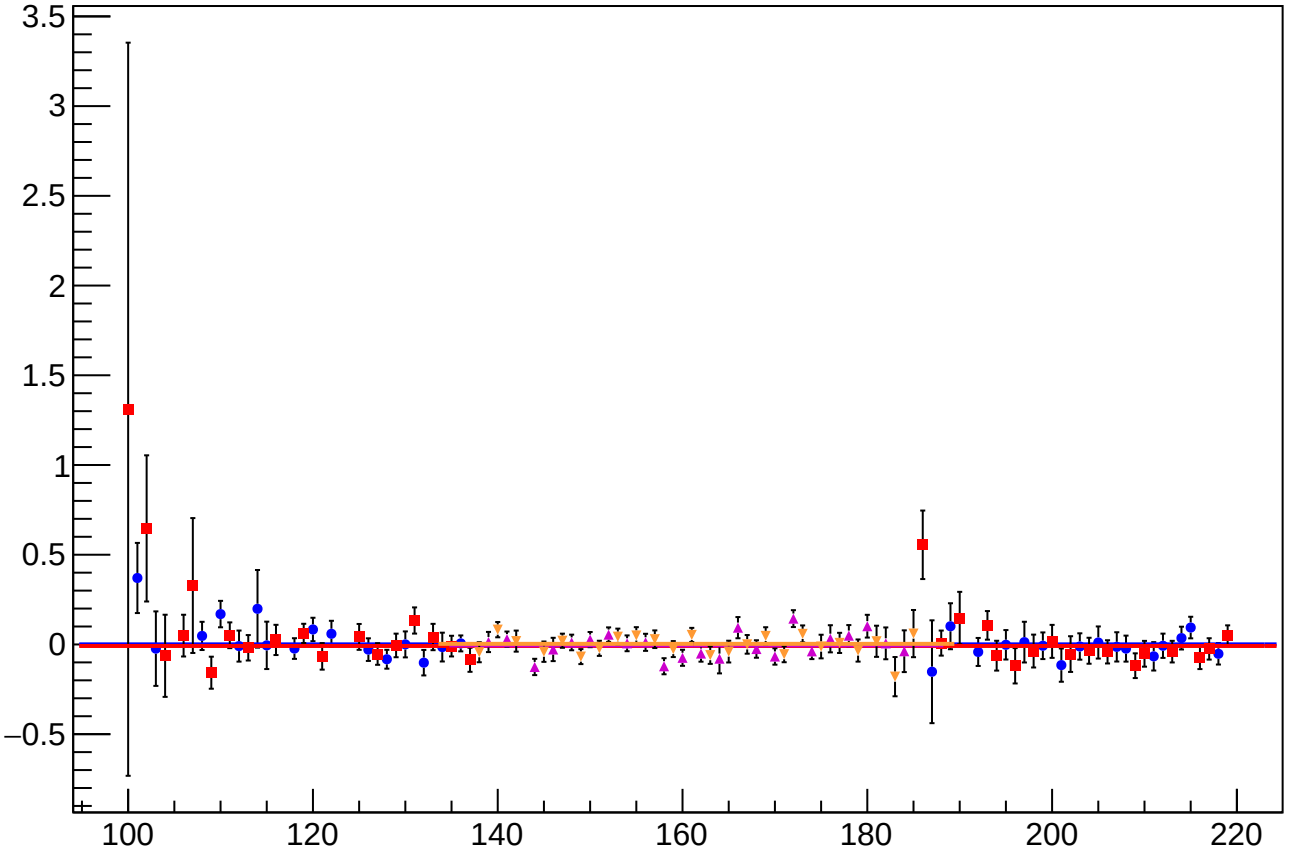
Right: 0.002+/-0.000 χ^2/NDF: 23050334.9/66

In: 0.001+/-0.000 χ^2/NDF:28286363.8/54

Out: 0.001+/-0.000 χ^2/NDF:32940752.7/58

All: 0.001+/-0.000 χ^2/NDF: 62038825.1/113

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.013 χ^2/NDF: 24.5/31

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.009+/-0.013 χ^2/NDF: 36.4/34

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

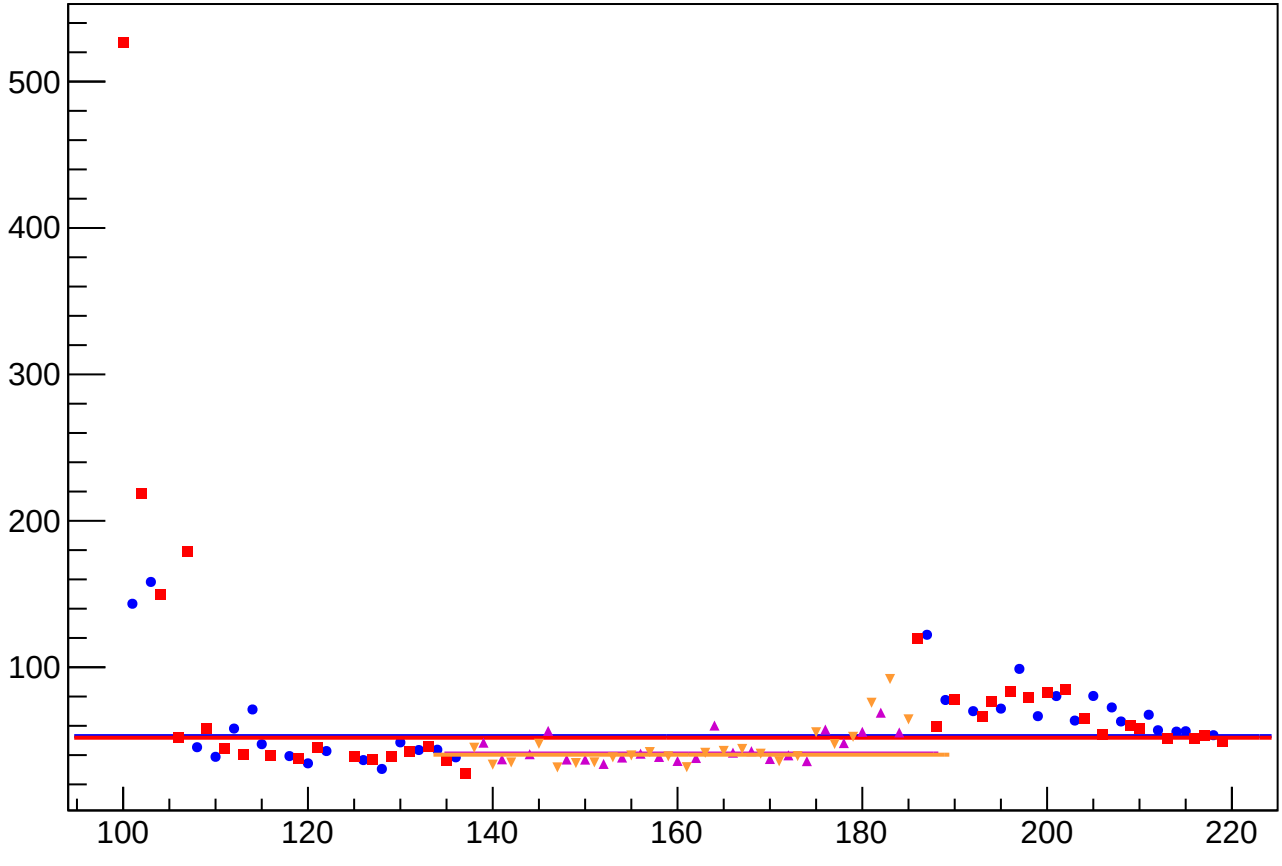
Right: -0.004+/-0.009 χ^2/NDF: 61.1/66

In: -0.003+/-0.008 χ^2/NDF:66.0/54

Out: -0.001+/-0.008 χ^2/NDF:58.7/58

All: -0.002+/-0.006 χ^2/NDF: 124.8/113

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.976+/-0.009 χ^2/NDF: 3584011.5/31

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 51.871+/-0.009 χ^2/NDF: 3577942.8/34

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

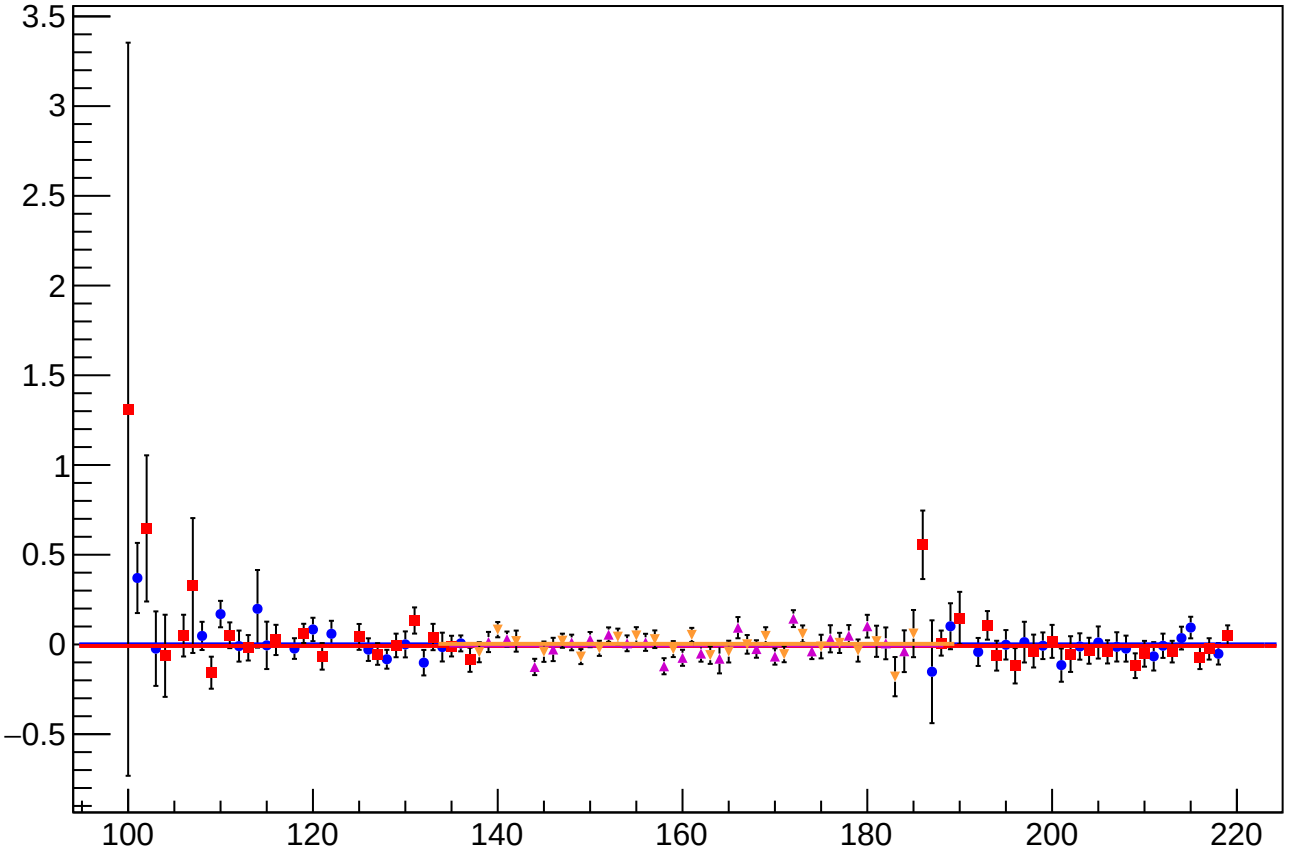
Right: 52.411+/-0.007 χ^2/NDF: 7168950.1/66

In: 45.653+/-0.006 χ^2/NDF:5485469.8/54

Out: 44.755+/-0.006 χ^2/NDF:6032537.1/58

All: 45.195+/-0.004 χ^2/NDF: 11529973.7/113

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.013 χ^2/NDF: 24.5/31

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.009+/-0.013 χ^2/NDF: 36.4/34

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

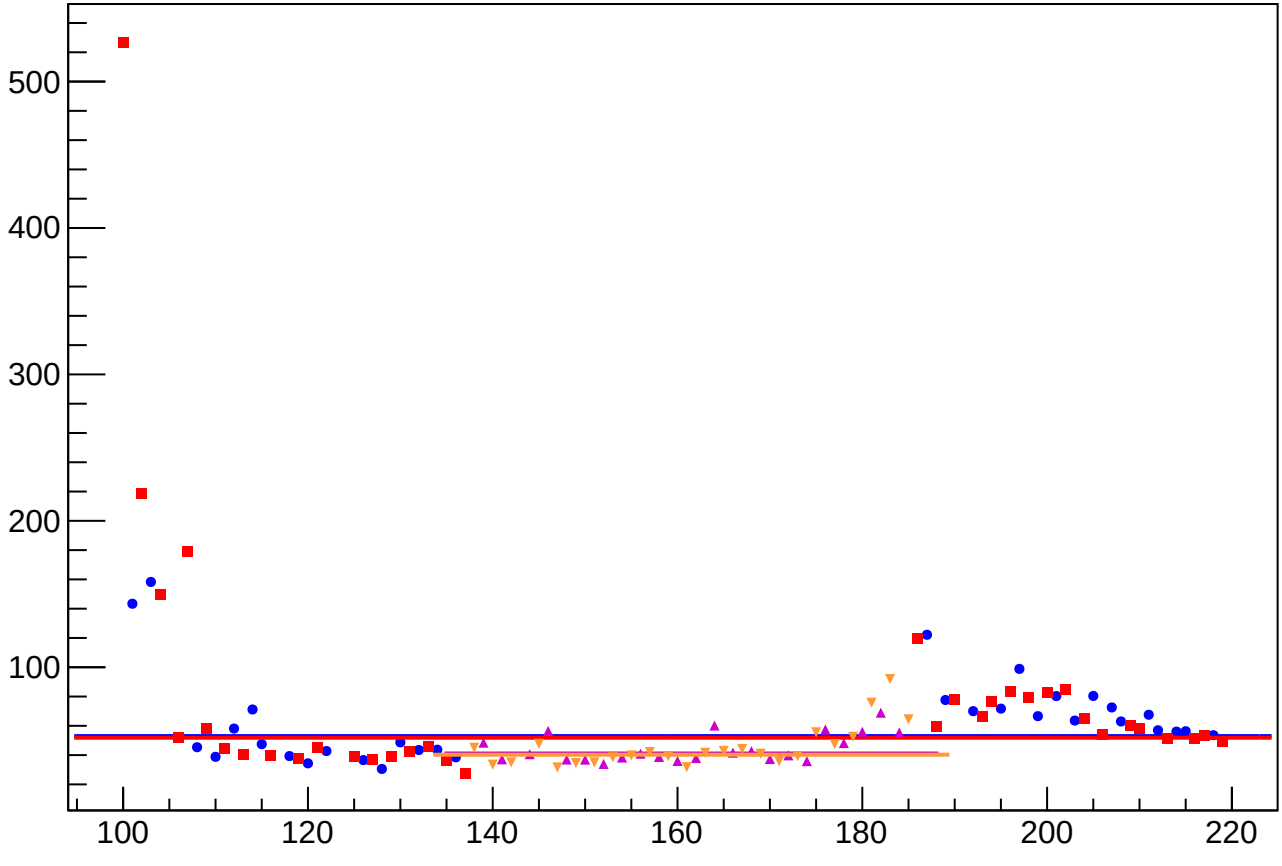
Right: -0.004+/-0.009 χ^2/NDF: 61.1/66

In: -0.003+/-0.008 χ^2/NDF:66.0/54

Out: -0.001+/-0.008 χ^2/NDF:58.7/58

All: -0.002+/-0.006 χ^2/NDF: 124.8/113

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.976+/-0.009 χ^2/NDF: 3584011.5/31

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 51.871+/-0.009 χ^2/NDF: 3577942.8/34

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

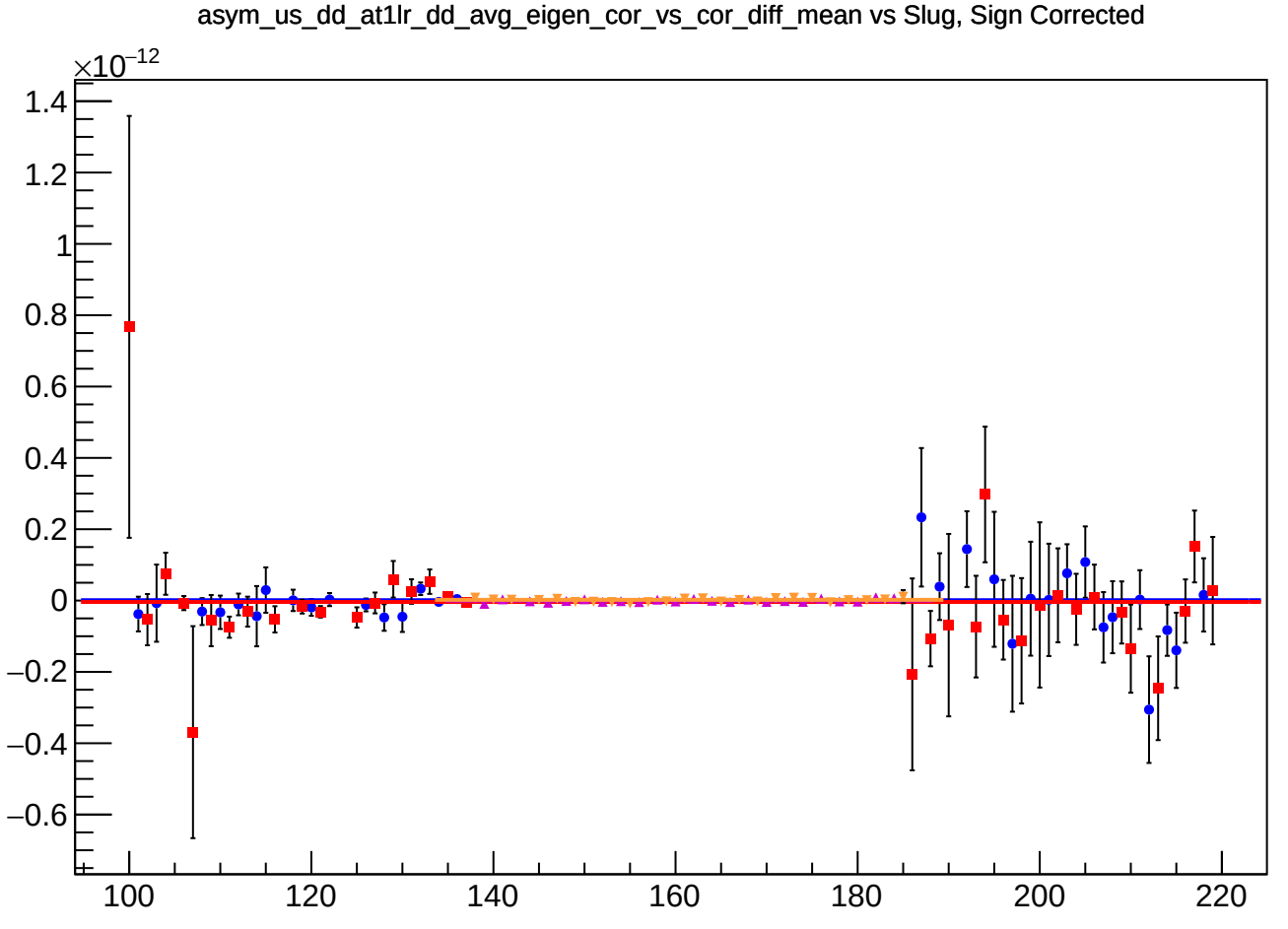
Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

Right: 52.411+/-0.007 χ^2/NDF: 7168950.1/66

In: 45.653+/-0.006 χ^2/NDF:5485469.8/54

Out: 44.755+/-0.006 χ^2/NDF:6032537.1/58

All: 45.195+/-0.004 χ^2/NDF: 11529973.7/113



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 41.2/34

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

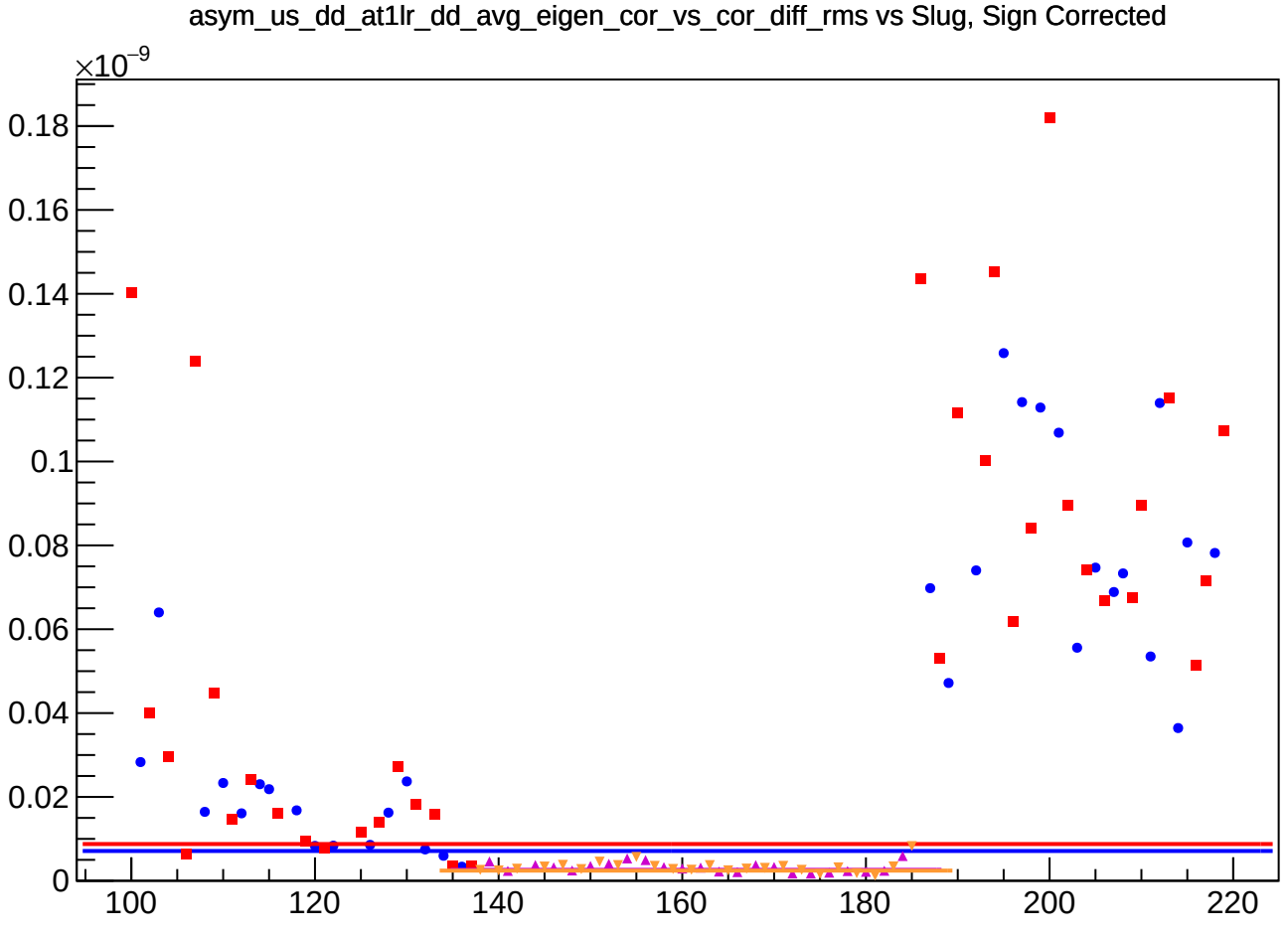
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

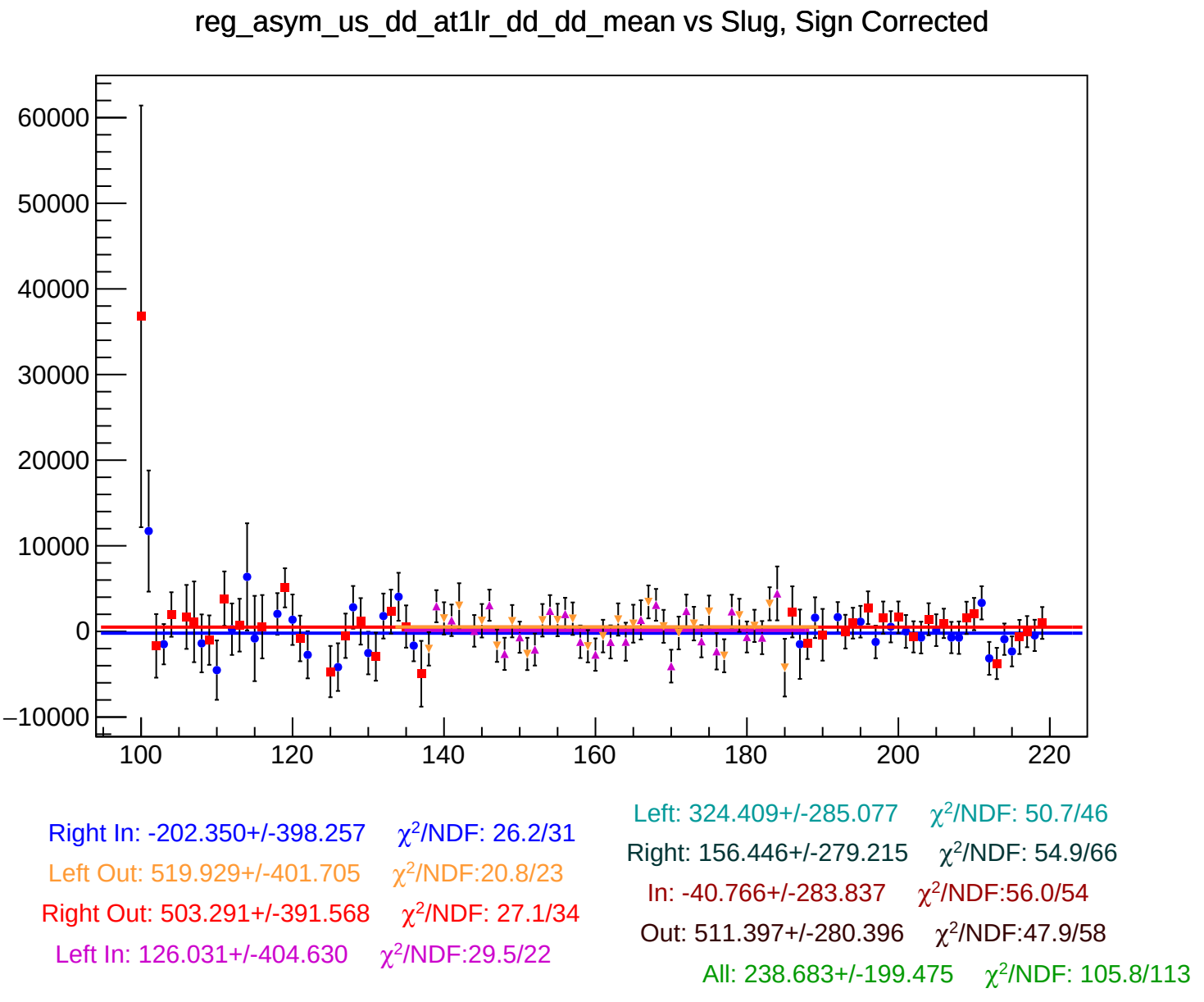
Right: -0.000+/-0.000 χ^2/NDF: 66.5/66

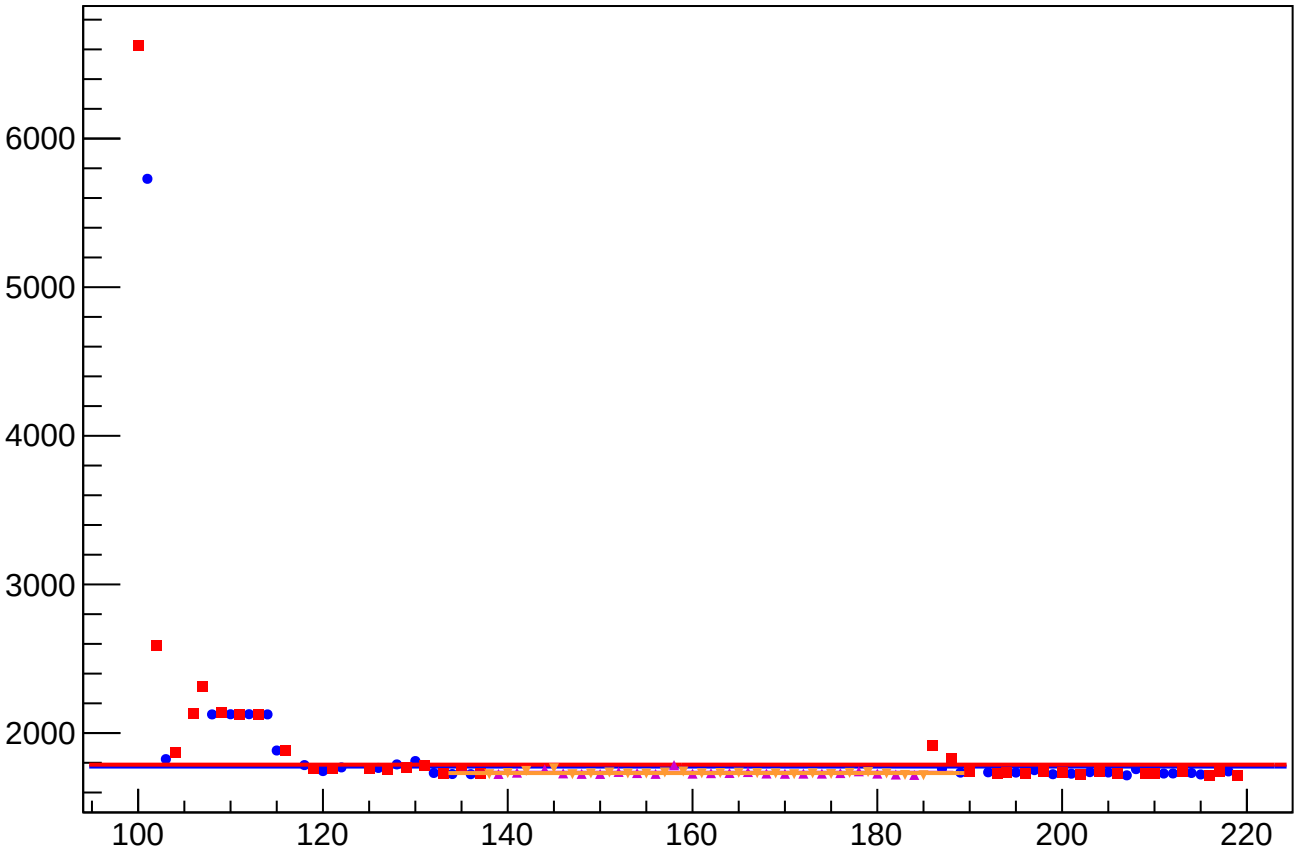
In: -0.000+/-0.000 χ^2/NDF:47.9/54

Out: 0.000+/-0.000 χ^2/NDF:67.9/58

All: 0.000+/-0.000 χ^2/NDF: 119.0/113


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: 15161827.9/31
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 16726885.3/34
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
Left: 0.000+/-0.000 χ²/NDF: 4793027.5/46
Right: 0.000+/-0.000 χ²/NDF: 32037908.3/66
In: 0.000+/-0.000 χ²/NDF:19668236.6/54
Out: 0.000+/-0.000 χ²/NDF:23086515.4/58
All: 0.000+/-0.000 χ²/NDF: 42822640.2/113


reg_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
220
Right In: -202.350+/-398.257 χ²/NDF: 26.2/31
Left Out: 519.929+/-401.705 χ²/NDF:20.8/23
Right Out: 503.291+/-391.568 χ²/NDF: 27.1/34
Left In: 126.031+/-404.630 χ²/NDF:29.5/22
Left: 324.409+/-285.077 χ²/NDF: 50.7/46
Right: 156.446+/-279.215 χ²/NDF: 54.9/66
In: -40.766+/-283.837 χ²/NDF:56.0/54
Out: 511.397+/-280.396 χ²/NDF:47.9/58
All: 238.683+/-199.475 χ²/NDF: 105.8/113



Right In: 1774.539+/-0.282 χ^2/NDF: 721755.1/31

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1787.509+/-0.277 χ^2/NDF: 327769.5/34

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

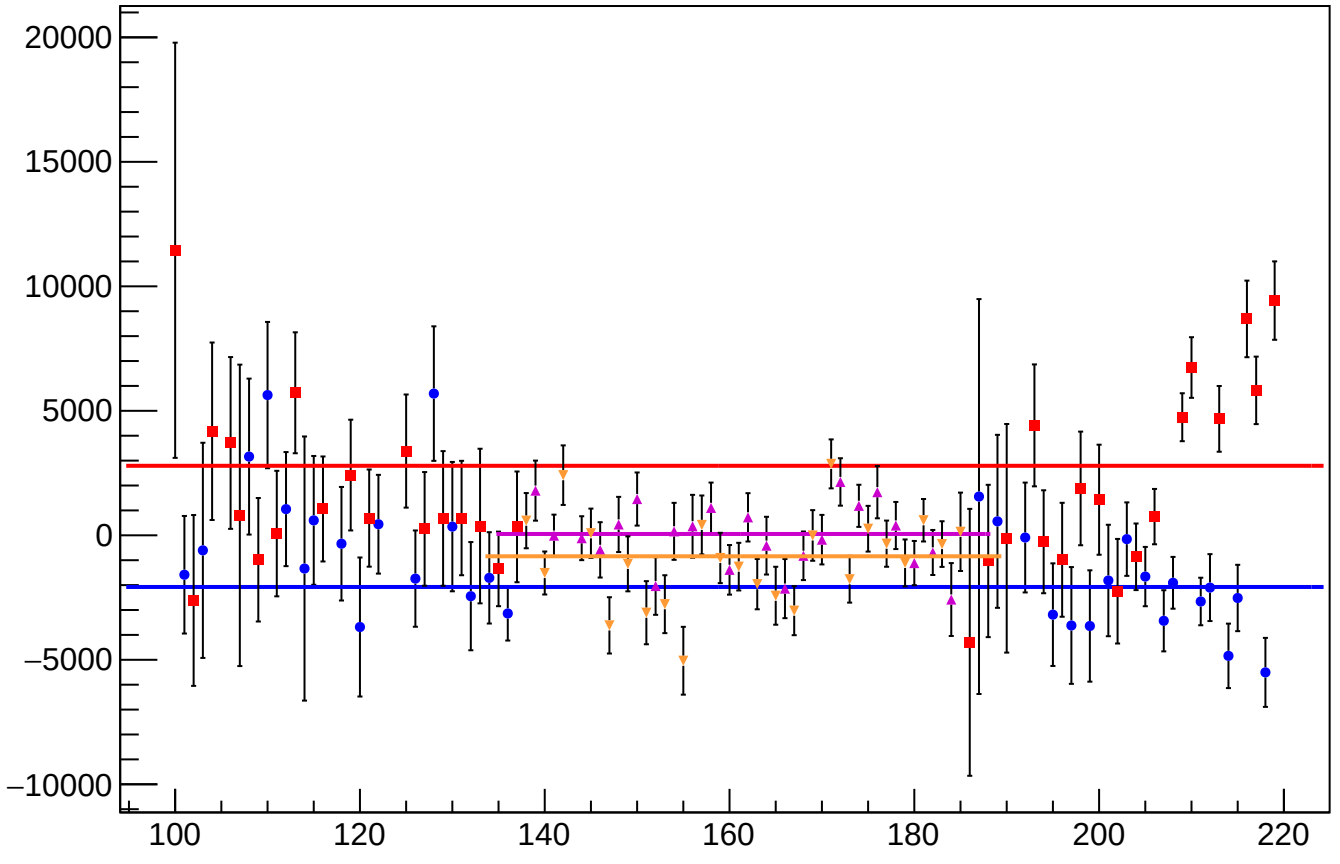
Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

Right: 1781.134+/-0.197 χ^2/NDF: 1050603.2/66

In: 1754.103+/-0.201 χ^2/NDF:734695.2/54

Out: 1759.902+/-0.198 χ^2/NDF:349144.1/58

All: 1757.038+/-0.141 χ^2/NDF: 1084261.9/11



Right In: -2075.007+/-308.422 χ^2/NDF: 42.6/31

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: 2792.112+/-326.105 χ^2/NDF: 103.2/34

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

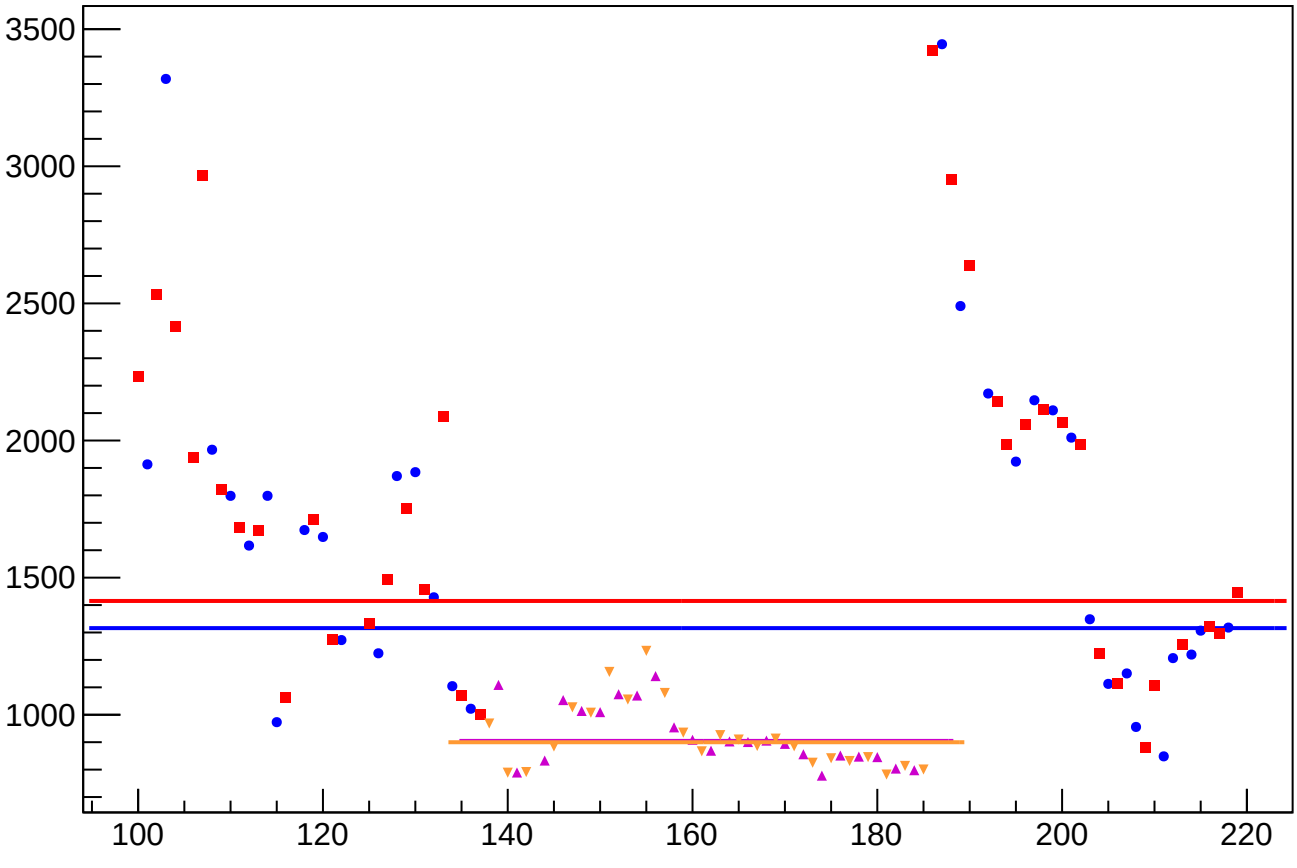
Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

Right: 223.021+/-224.078 χ^2/NDF: 263.4/66

In: -633.430+/-175.247 χ^2/NDF:105.5/54

Out: 229.074+/-177.064 χ^2/NDF:253.5/58

All: -206.626+/-124.556 χ^2/NDF: 371.0/113



Right In: 1315.951+/-0.218 χ^2/NDF: 3607924.6/31

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1414.969+/-0.231 χ^2/NDF: 3976970.6/34

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

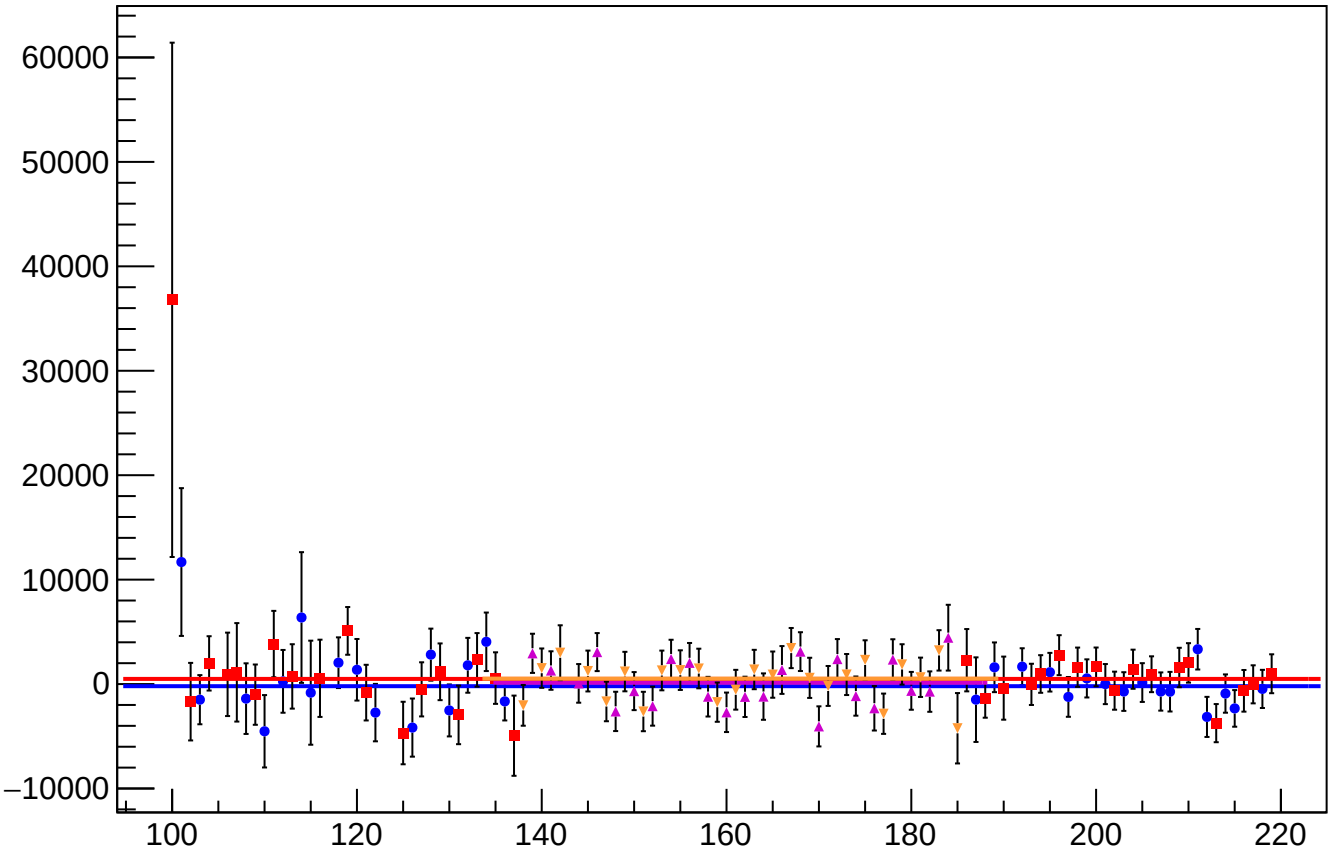
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1362.703+/-0.158 χ^2/NDF: 7682225.3/66

In: 1037.446+/-0.124 χ^2/NDF:6468570.0/54

Out: 1051.686+/-0.125 χ^2/NDF:7991952.0/58

All: 1044.493+/-0.088 χ^2/NDF: 14467057.2/1



Right In: -202.658+/-398.258 χ^2/NDF: 26.2/31

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 494.409+/-391.838 χ^2/NDF: 27.0/34

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

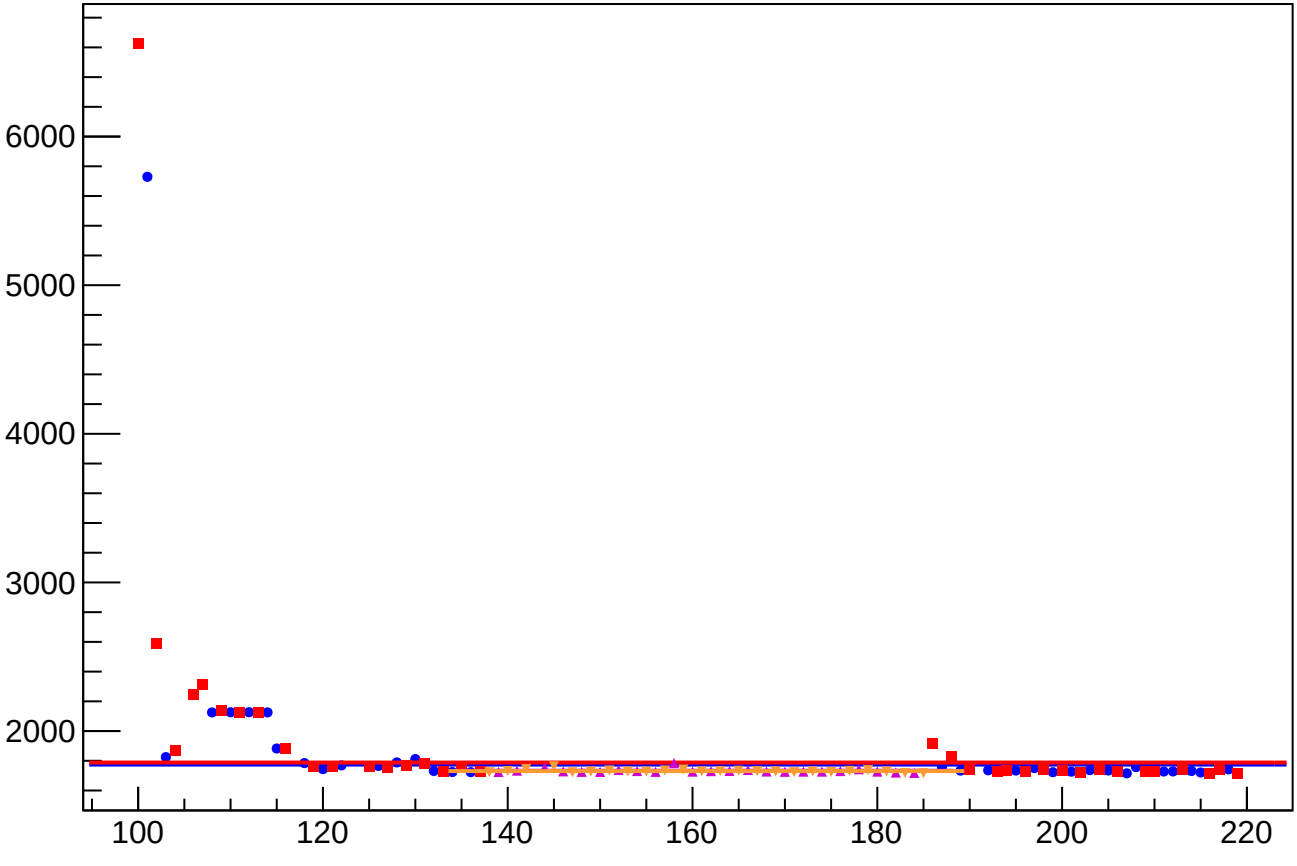
Right: 151.539+/-279.313 χ^2/NDF: 54.8/66

In: -40.892+/-283.837 χ^2/NDF:56.0/54

Out: 506.865+/-280.495 χ^2/NDF:47.8/58

All: 236.230+/-199.511 χ^2/NDF: 105.7/113

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1774.539+/-0.282 χ^2/NDF: 721755.0/31

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1788.157+/-0.277 χ^2/NDF: 337426.6/34

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

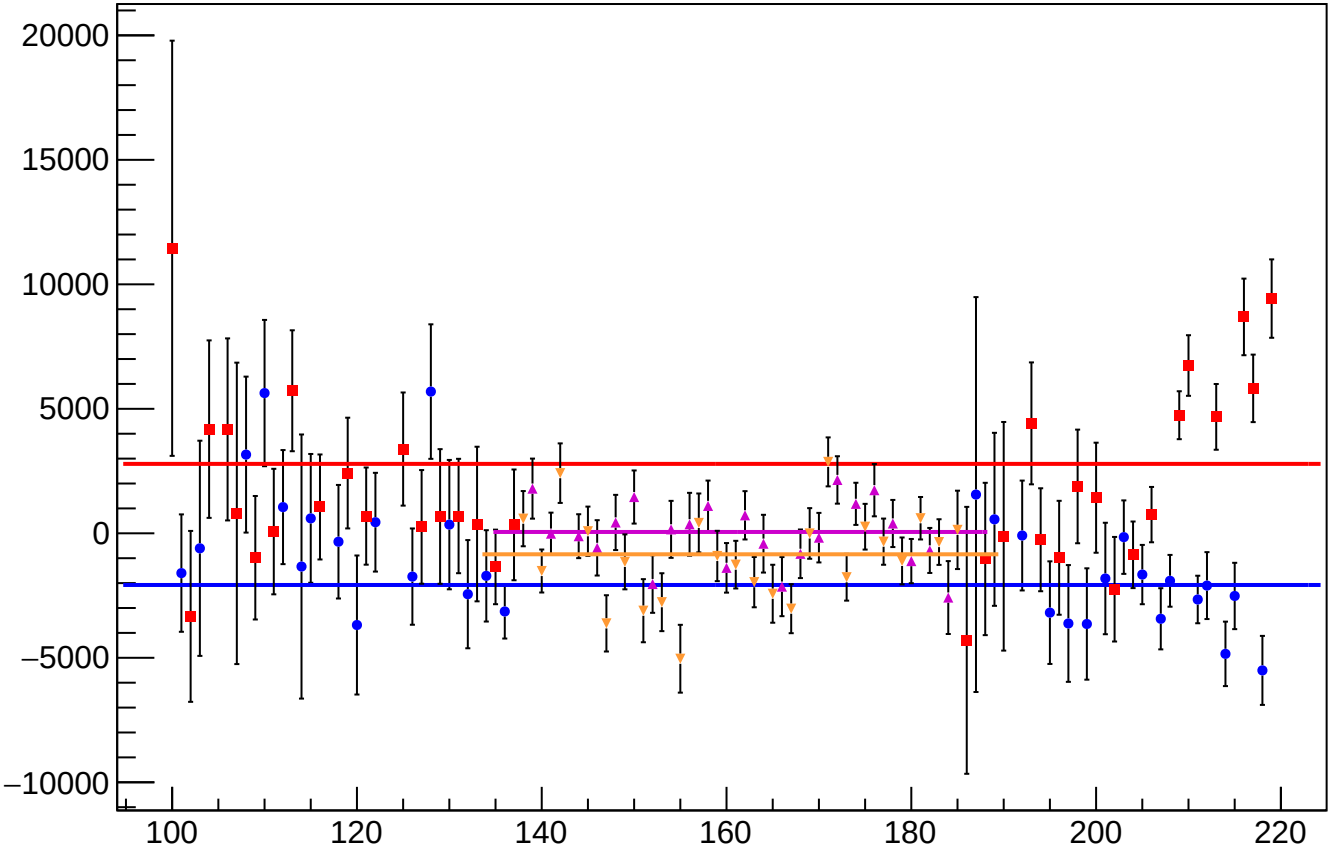
Right: 1781.459+/-0.198 χ^2/NDF: 1060369.7/66

In: 1754.103+/-0.201 χ^2/NDF:734695.0/54

Out: 1760.214+/-0.198 χ^2/NDF:359256.2/58

All: 1757.195+/-0.141 χ^2/NDF: 1094420.3/11

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -2075.191+/-308.414 χ^2/NDF: 42.6/31

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 2788.440+/-326.264 χ^2/NDF: 104.0/34

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

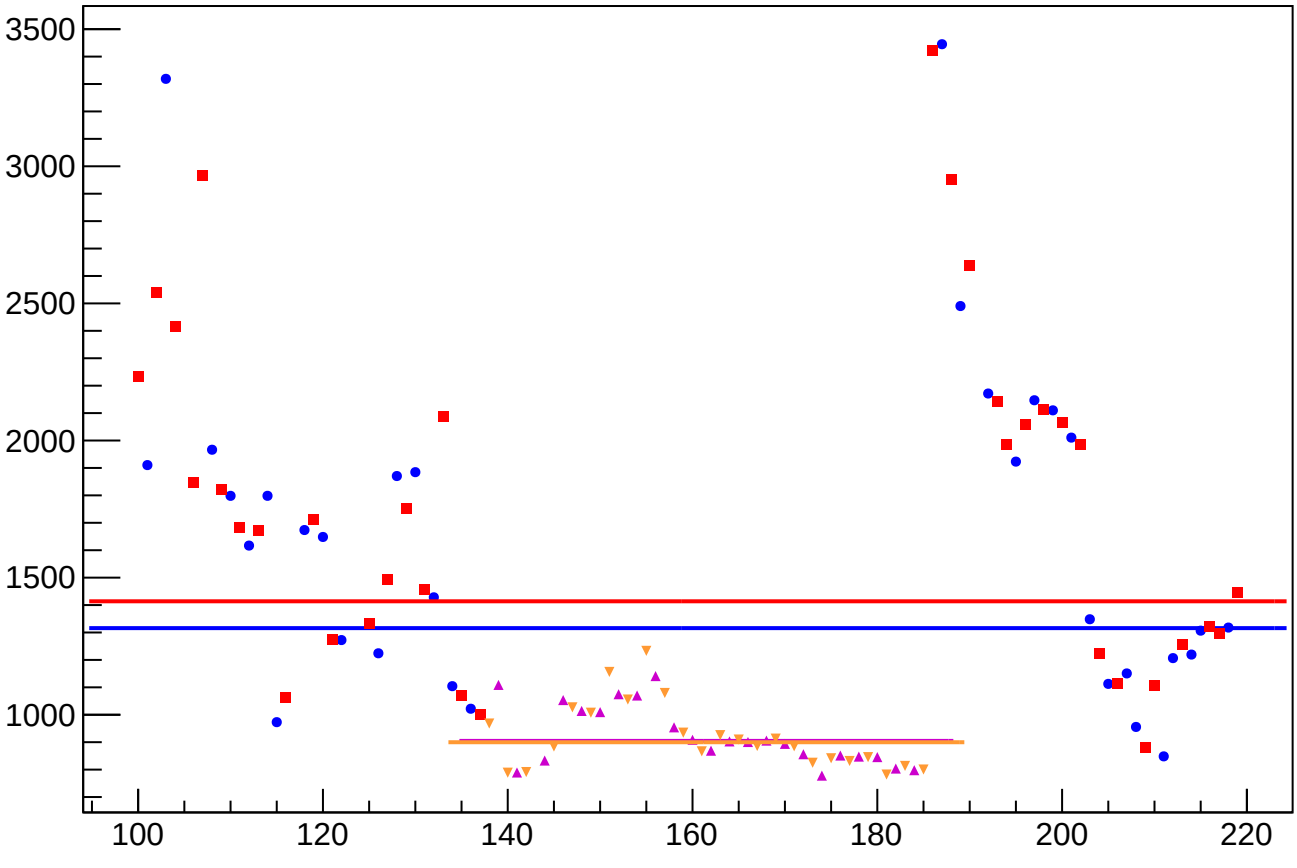
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: 219.946+/-224.126 χ^2/NDF: 263.9/66

In: -633.495+/-175.245 χ^2/NDF:105.5/54

Out: 227.235+/-177.090 χ^2/NDF:254.1/58

All: -207.637+/-124.564 χ^2/NDF: 371.5/113



Right In: 1315.929+/-0.218 χ^2/NDF: 3607247.7/31

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1413.744+/-0.231 χ^2/NDF: 3960630.7/34

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

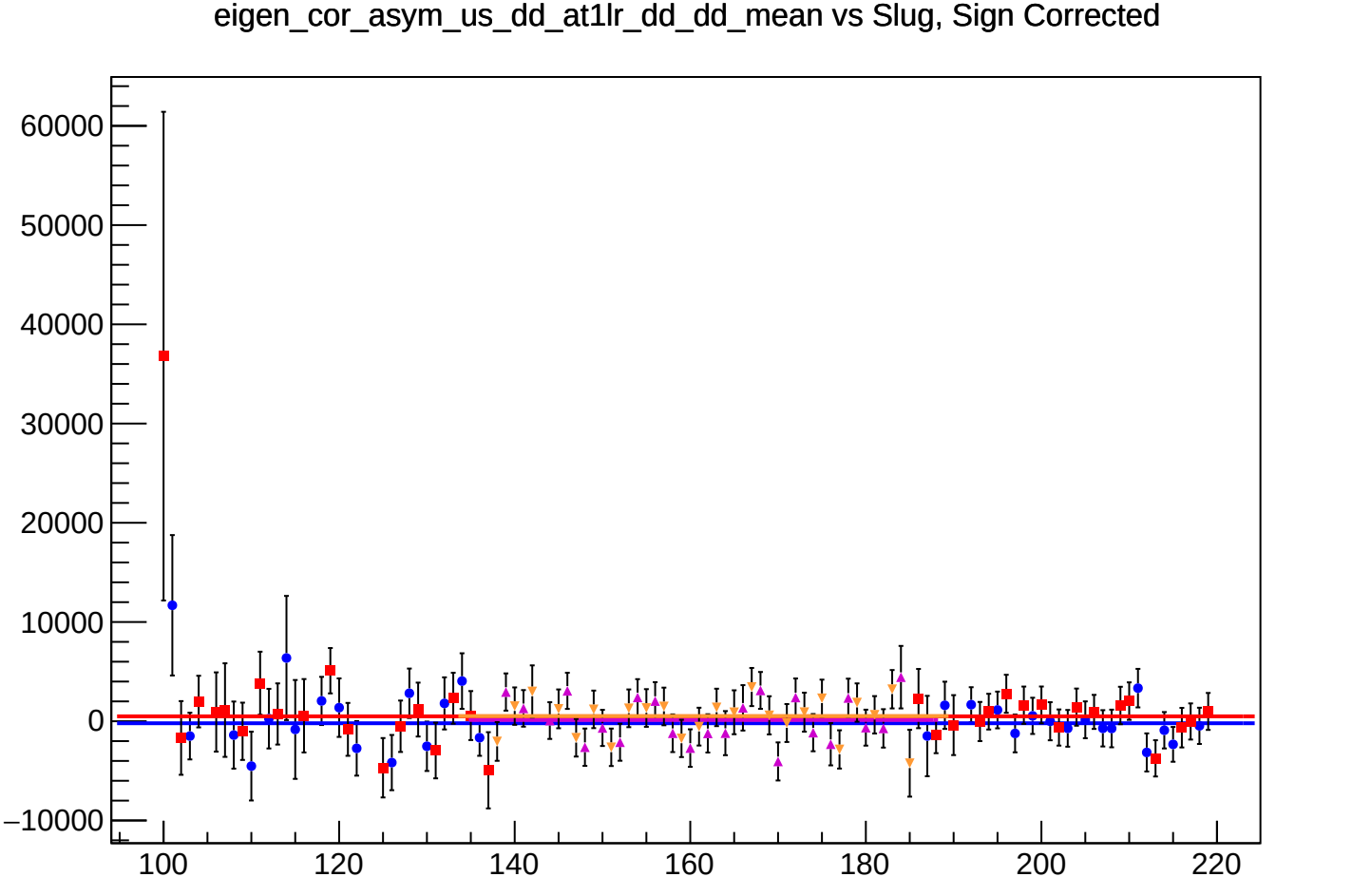
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1362.088+/-0.158 χ^2/NDF: 7662811.4/66

In: 1037.440+/-0.124 χ^2/NDF:6467765.4/54

Out: 1051.224+/-0.125 χ^2/NDF:7956385.7/58

All: 1044.260+/-0.088 χ^2/NDF: 14430272.3/1



Right In: -202.658+/-398.258 χ^2/NDF: 26.2/31

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 494.409+/-391.838 χ^2/NDF: 27.0/34

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

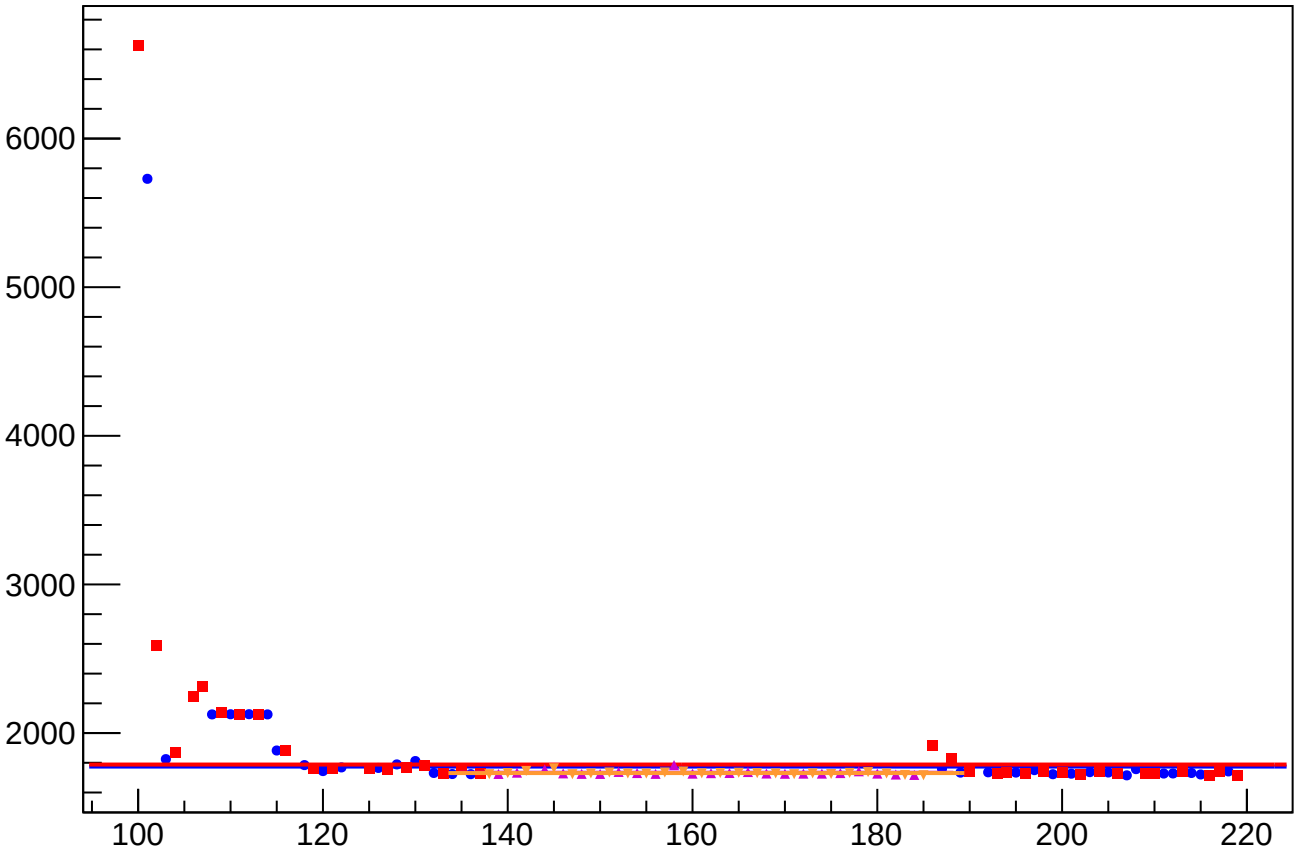
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 151.539+/-279.313 χ^2/NDF: 54.8/66

In: -40.892+/-283.837 χ^2/NDF:56.0/54

Out: 506.865+/-280.495 χ^2/NDF:47.8/58

All: 236.230+/-199.511 χ^2/NDF: 105.7/113



Right In: 1774.539+/-0.282 χ^2/NDF: 721755.0/31

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1788.157+/-0.277 χ^2/NDF: 337426.6/34

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

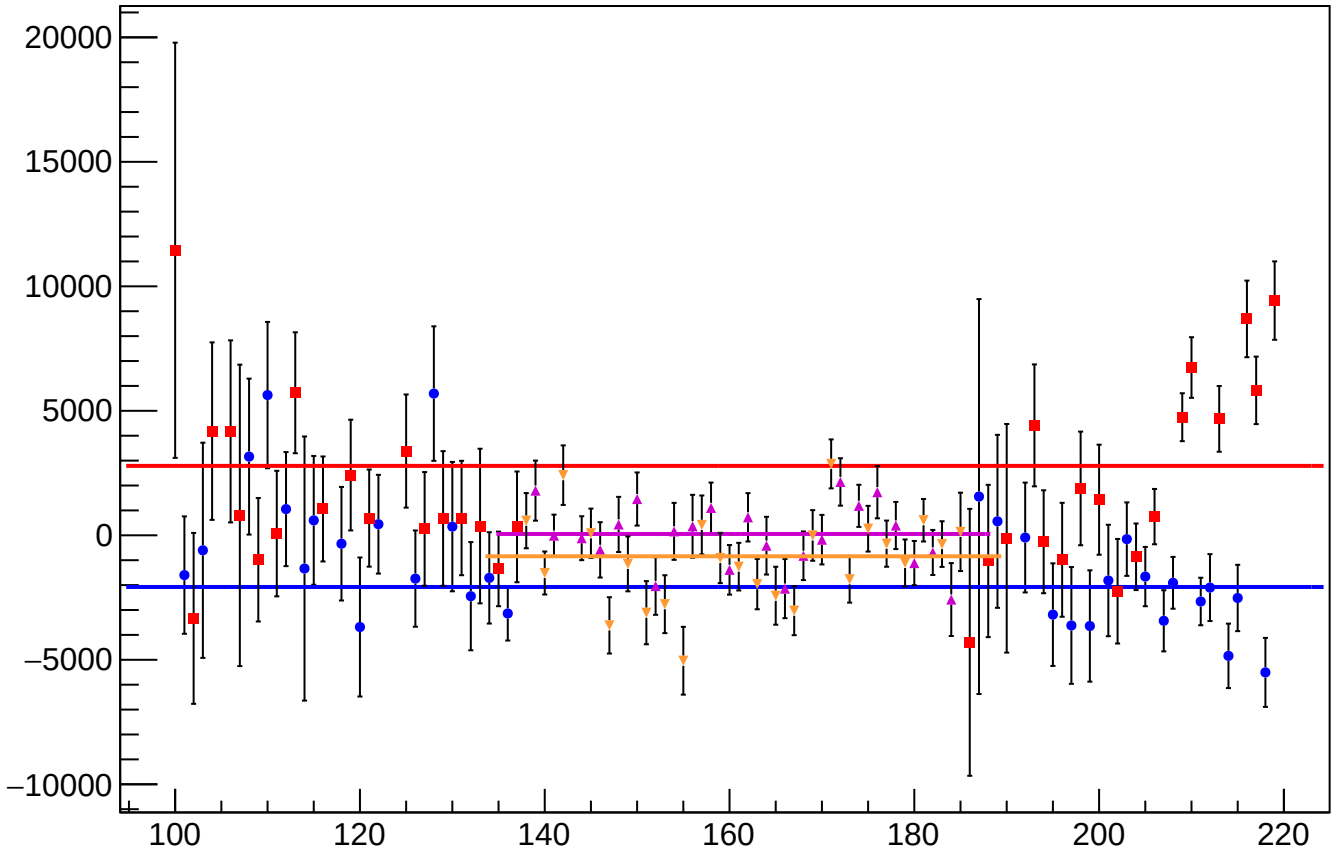
Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

Right: 1781.459+/-0.198 χ^2/NDF: 1060369.7/66

In: 1754.103+/-0.201 χ^2/NDF:734695.0/54

Out: 1760.214+/-0.198 χ^2/NDF:359256.2/58

All: 1757.195+/-0.141 χ^2/NDF: 1094420.3/11



Right In: -2075.191+/-308.414 χ^2/NDF: 42.6/31

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 2788.440+/-326.264 χ^2/NDF: 104.0/34

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

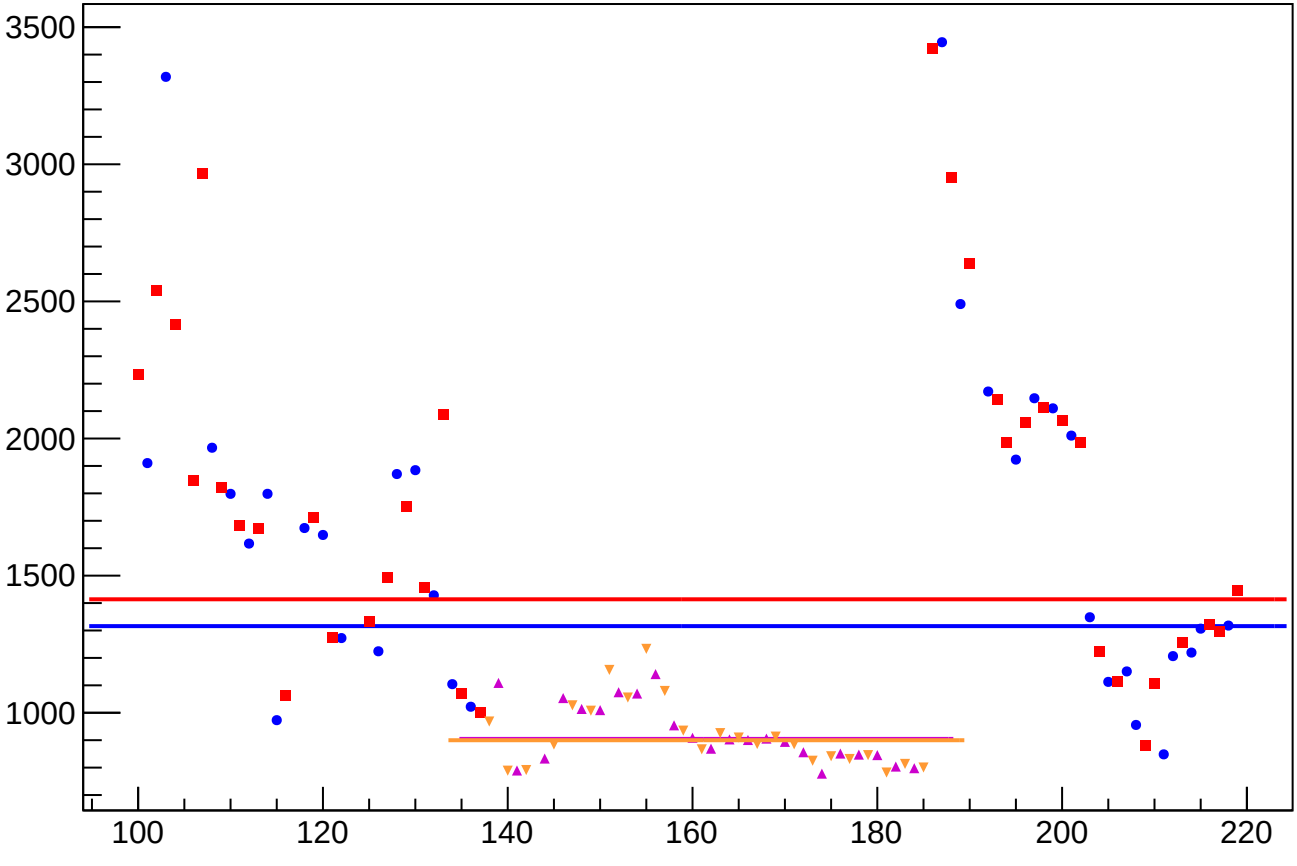
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: 219.946+/-224.126 χ^2/NDF: 263.9/66

In: -633.495+/-175.245 χ^2/NDF:105.5/54

Out: 227.235+/-177.090 χ^2/NDF:254.1/58

All: -207.637+/-124.564 χ^2/NDF: 371.5/113



Right In: 1315.929+/-0.218 χ^2/NDF: 3607247.7/31

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1413.744+/-0.231 χ^2/NDF: 3960630.7/34

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

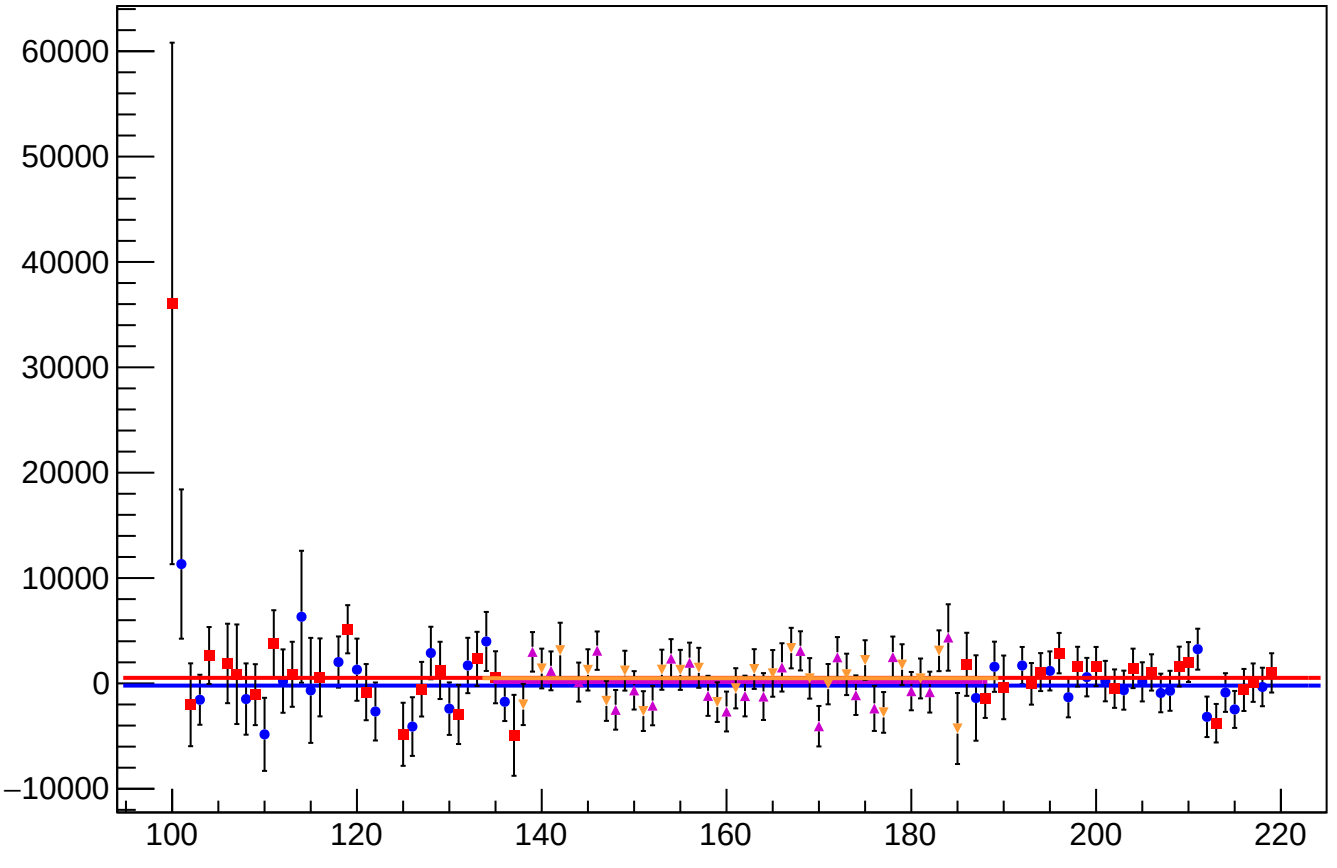
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1362.088+/-0.158 χ^2/NDF: 7662811.4/66

In: 1037.440+/-0.124 χ^2/NDF:6467765.4/54

Out: 1051.224+/-0.125 χ^2/NDF:7956385.7/58

All: 1044.260+/-0.088 χ^2/NDF: 14430272.3/1



Right In: -206.682+/-398.648 χ^2/NDF: 26.3/31

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 526.975+/-392.552 χ^2/NDF: 27.7/34

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

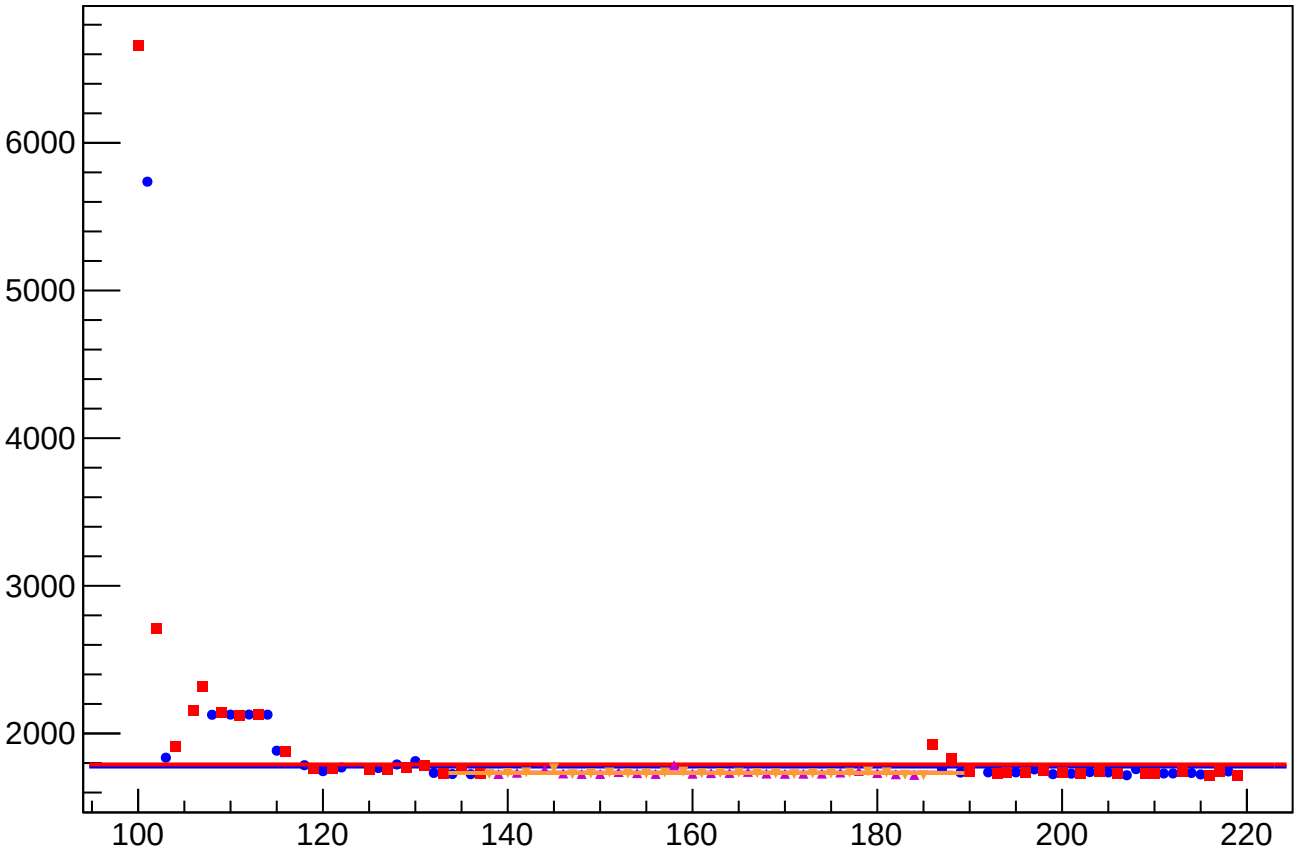
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 165.799+/-279.706 χ^2/NDF: 55.6/66

In: -37.475+/-284.104 χ^2/NDF:56.2/54

Out: 511.320+/-280.880 χ^2/NDF:47.7/58

All: 240.054+/-199.742 χ^2/NDF: 105.8/113



Right In: 1776.172+/-0.282 χ^2/NDF: 722284.3/31

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1790.204+/-0.278 χ^2/NDF: 348476.3/34

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

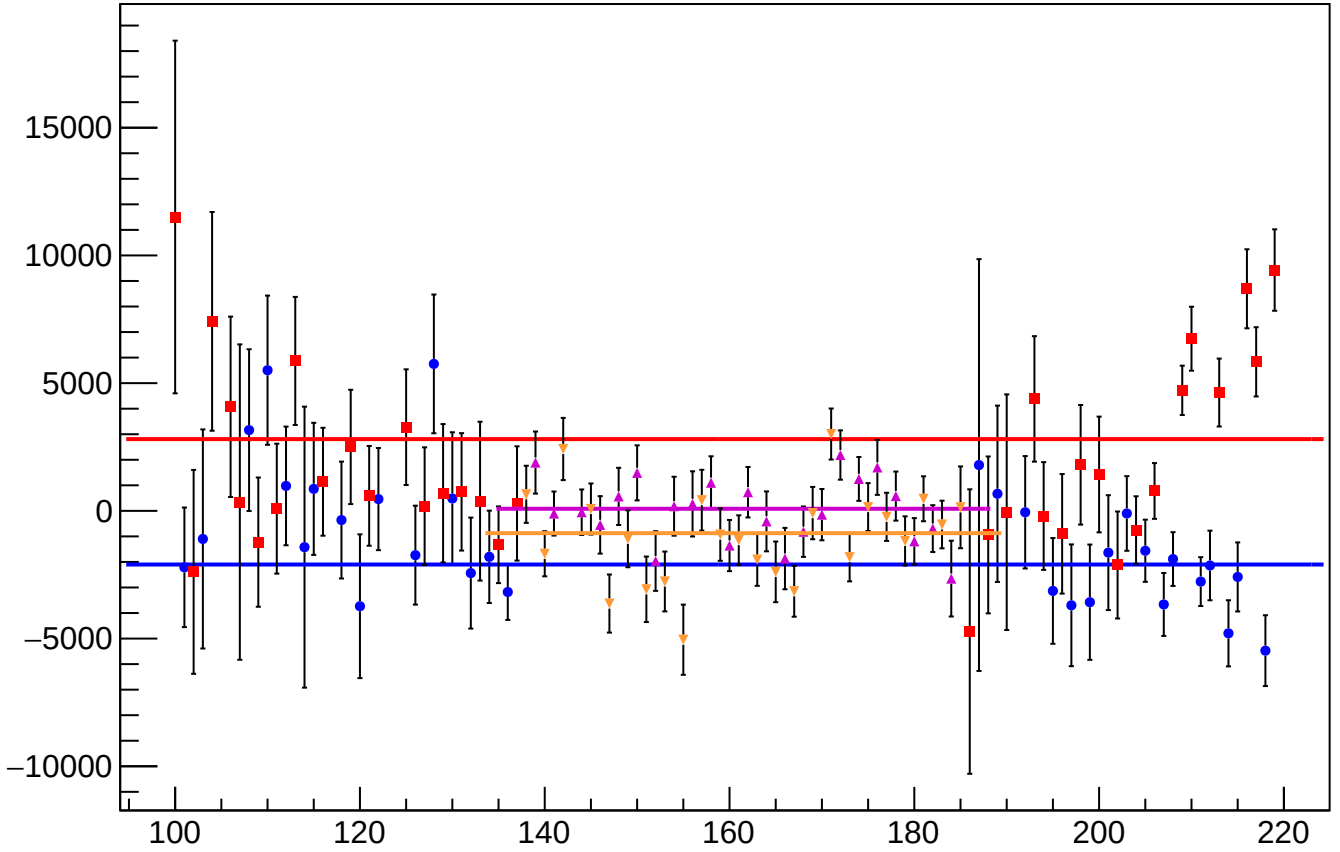
Right: 1783.296+/-0.198 χ^2/NDF: 1072018.6/66

In: 1755.698+/-0.201 χ^2/NDF:735219.4/54

Out: 1761.989+/-0.199 χ^2/NDF:370558.8/58

All: 1758.879+/-0.141 χ^2/NDF: 1106274.0/11

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -2100.560+/-309.998 χ^2/NDF: 43.1/31

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: 2808.970+/-328.536 χ^2/NDF: 101.9/34

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

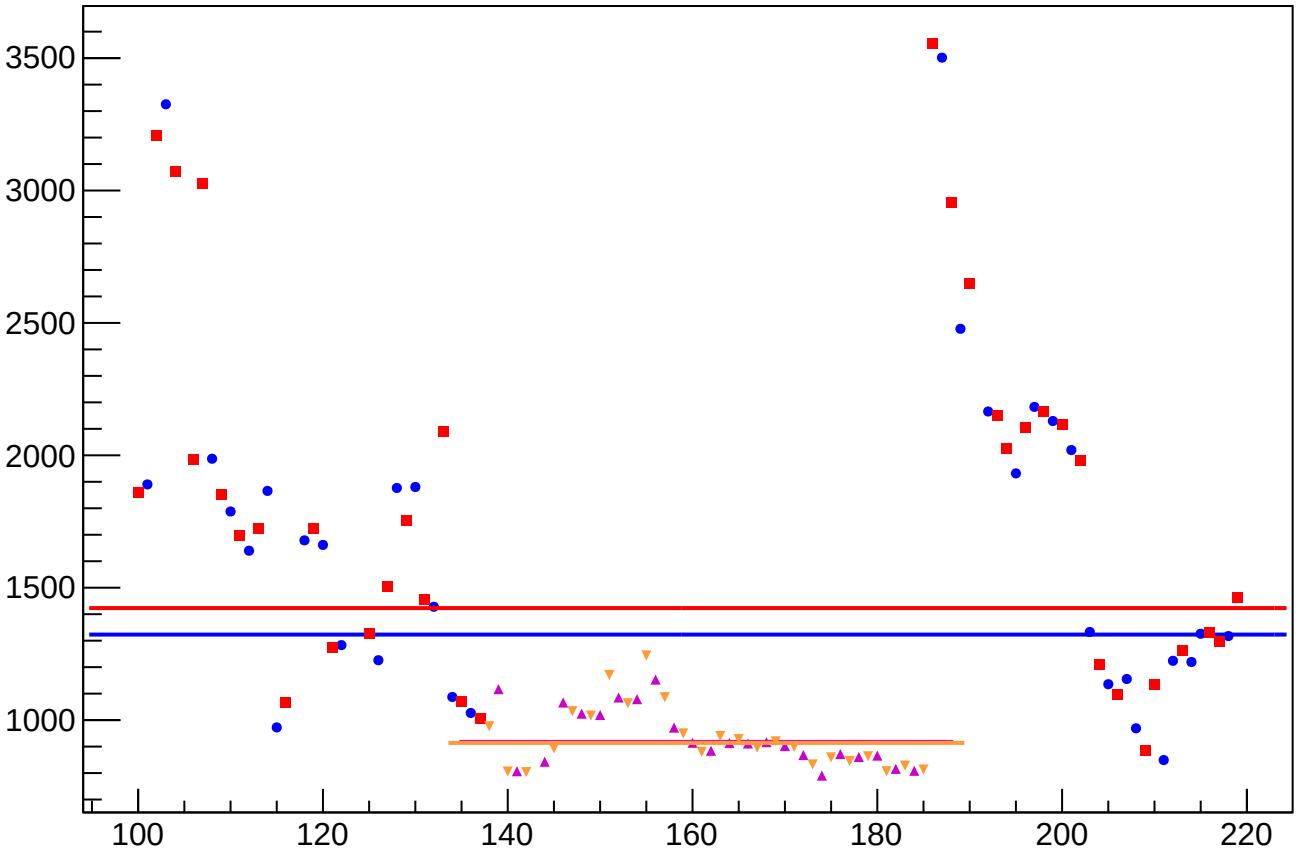
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: 211.796+/-225.471 χ^2/NDF: 263.2/66

In: -631.255+/-177.174 χ^2/NDF:106.5/54

Out: 224.019+/-179.319 χ^2/NDF:252.1/58

All: -208.763+/-126.032 χ^2/NDF: 370.0/113



Right In: 1323.007+/-0.219 χ^2/NDF: 3598703.6/31

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1423.085+/-0.232 χ^2/NDF: 4399501.0/34

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

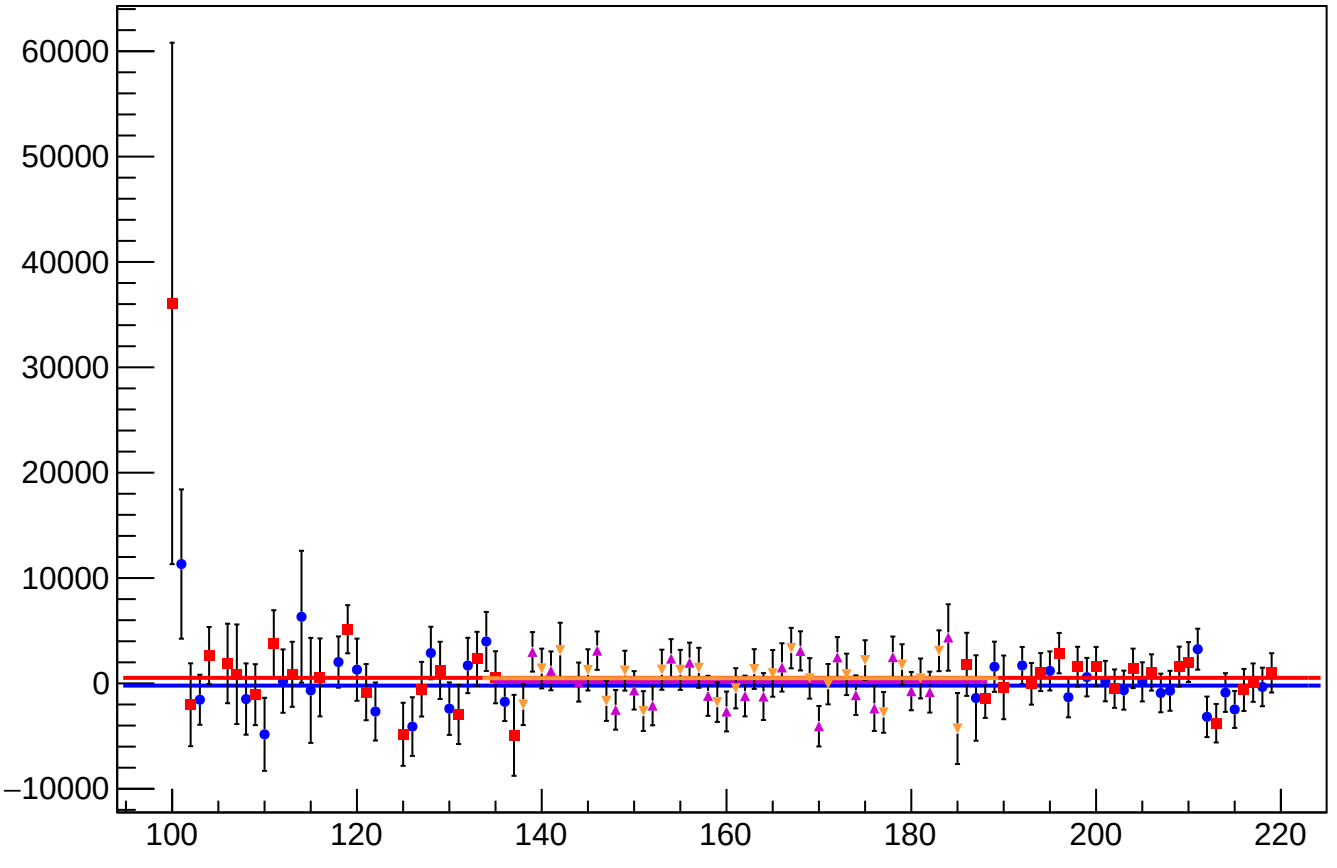
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1370.143+/-0.159 χ^2/NDF: 8096380.6/66

In: 1050.076+/-0.125 χ^2/NDF:6331574.3/54

Out: 1065.591+/-0.127 χ^2/NDF:8235306.2/58

All: 1057.740+/-0.089 χ^2/NDF: 14574456.7/1



Right In: -206.680+/-398.648 χ^2/NDF: 26.3/31

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 526.970+/-392.552 χ^2/NDF: 27.7/34

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

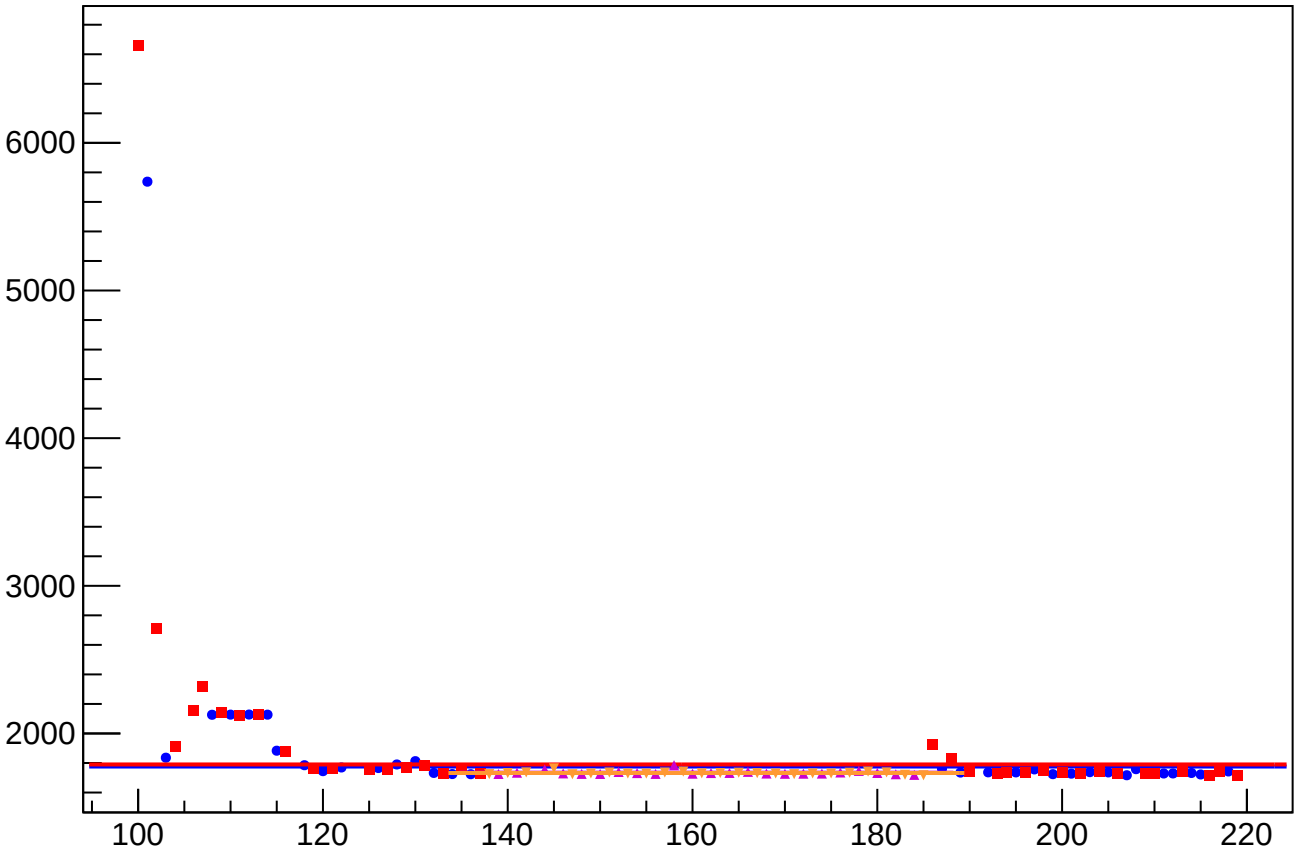
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 165.798+/-279.706 χ^2/NDF: 55.6/66

In: -37.474+/-284.104 χ^2/NDF:56.2/54

Out: 511.318+/-280.880 χ^2/NDF:47.7/58

All: 240.053+/-199.742 χ^2/NDF: 105.8/113



Right In: 1776.172+/-0.282 χ^2/NDF: 722284.3/31

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1790.204+/-0.278 χ^2/NDF: 348476.0/34

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

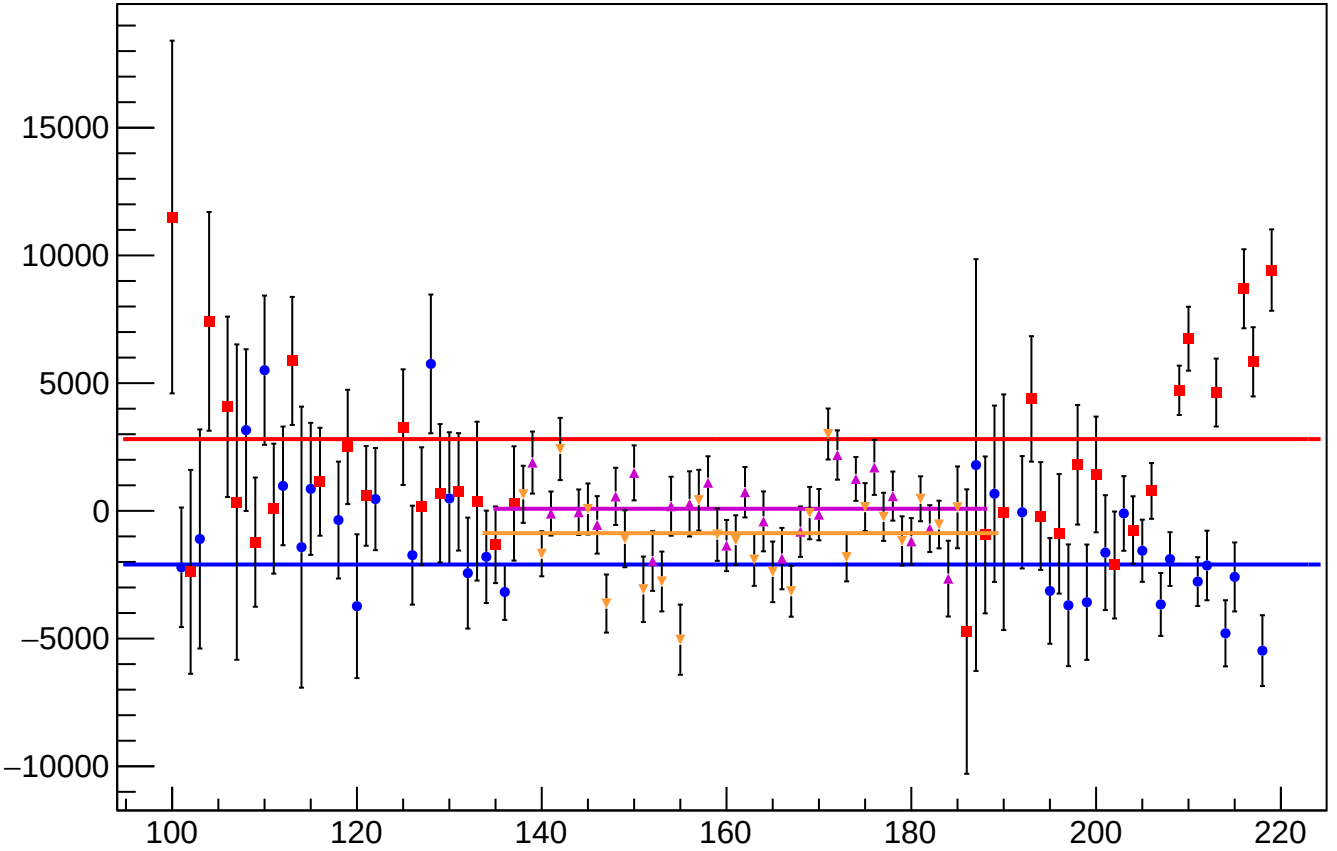
Right: 1783.296+/-0.198 χ^2/NDF: 1072018.3/66

In: 1755.698+/-0.201 χ^2/NDF:735219.3/54

Out: 1761.989+/-0.199 χ^2/NDF:370558.6/58

All: 1758.879+/-0.141 χ^2/NDF: 1106273.7/11

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2100.555+/-309.998 χ^2/NDF: 43.1/31

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 2808.971+/-328.535 χ^2/NDF: 101.9/34

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

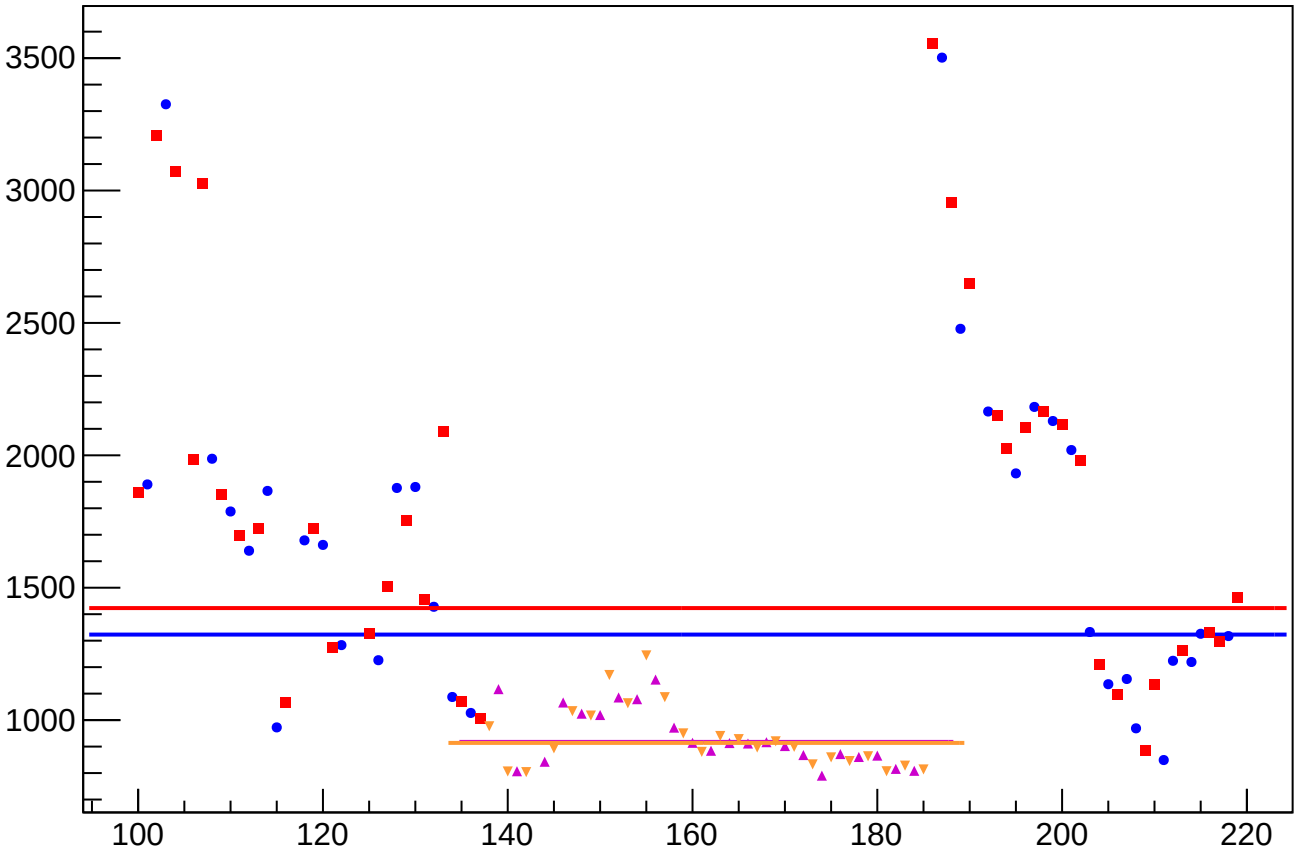
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: 211.802+/-225.470 χ^2/NDF: 263.2/66

In: -631.255+/-177.174 χ^2/NDF:106.5/54

Out: 224.023+/-179.319 χ^2/NDF:252.1/58

All: -208.761+/-126.032 χ^2/NDF: 370.0/113



Right In: 1323.005+/-0.219 χ^2/NDF: 3598697.9/31

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1423.082+/-0.232 χ^2/NDF: 4399517.5/34

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

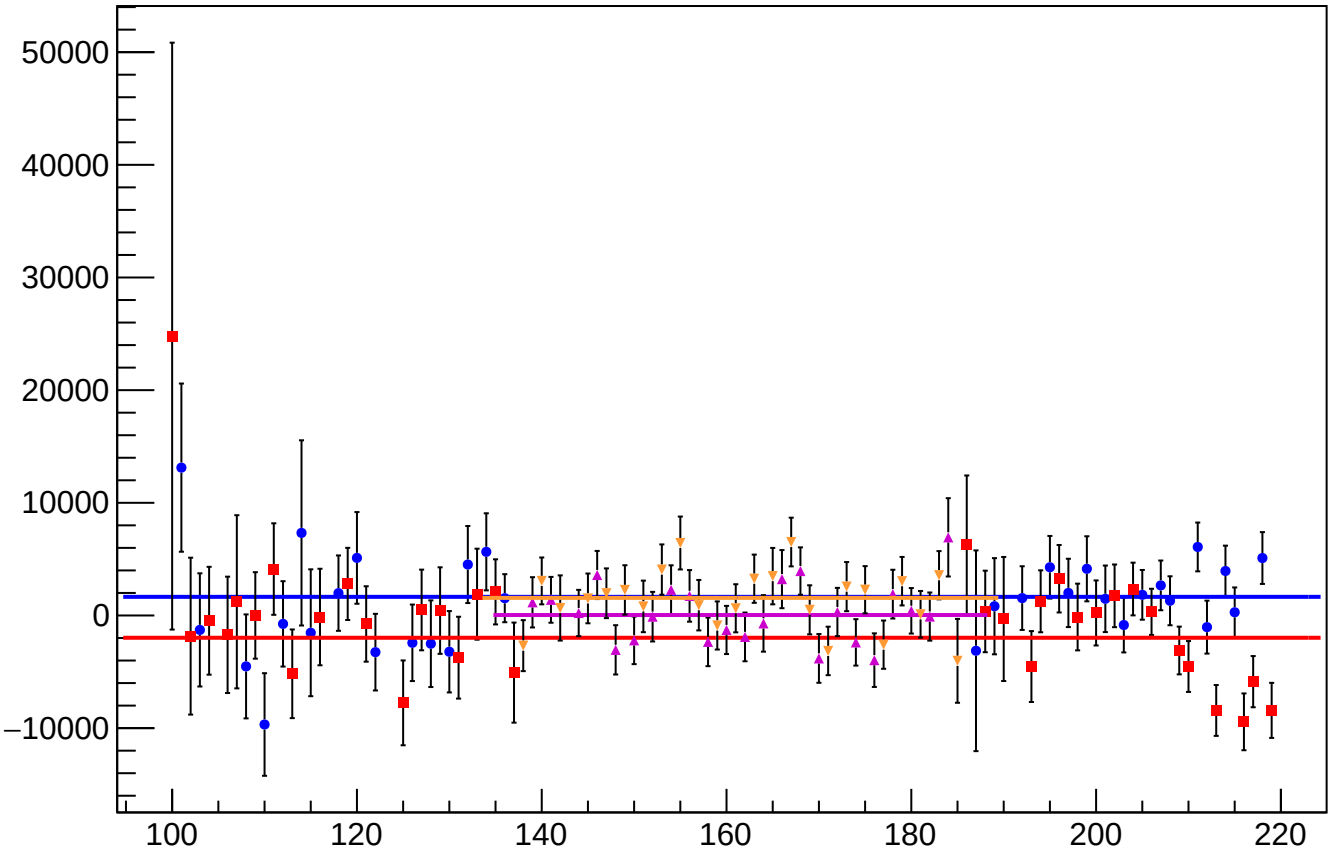
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1370.141+/-0.159 χ^2/NDF: 8096388.1/66

In: 1050.075+/-0.125 χ^2/NDF:6331575.3/54

Out: 1065.590+/-0.127 χ^2/NDF:8235306.1/58

All: 1057.739+/-0.089 χ^2/NDF: 14574457.5/1



Right In: 1653.684+/-529.169 χ^2/NDF: 33.7/31

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -1978.321+/-536.293 χ^2/NDF: 57.1/34

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

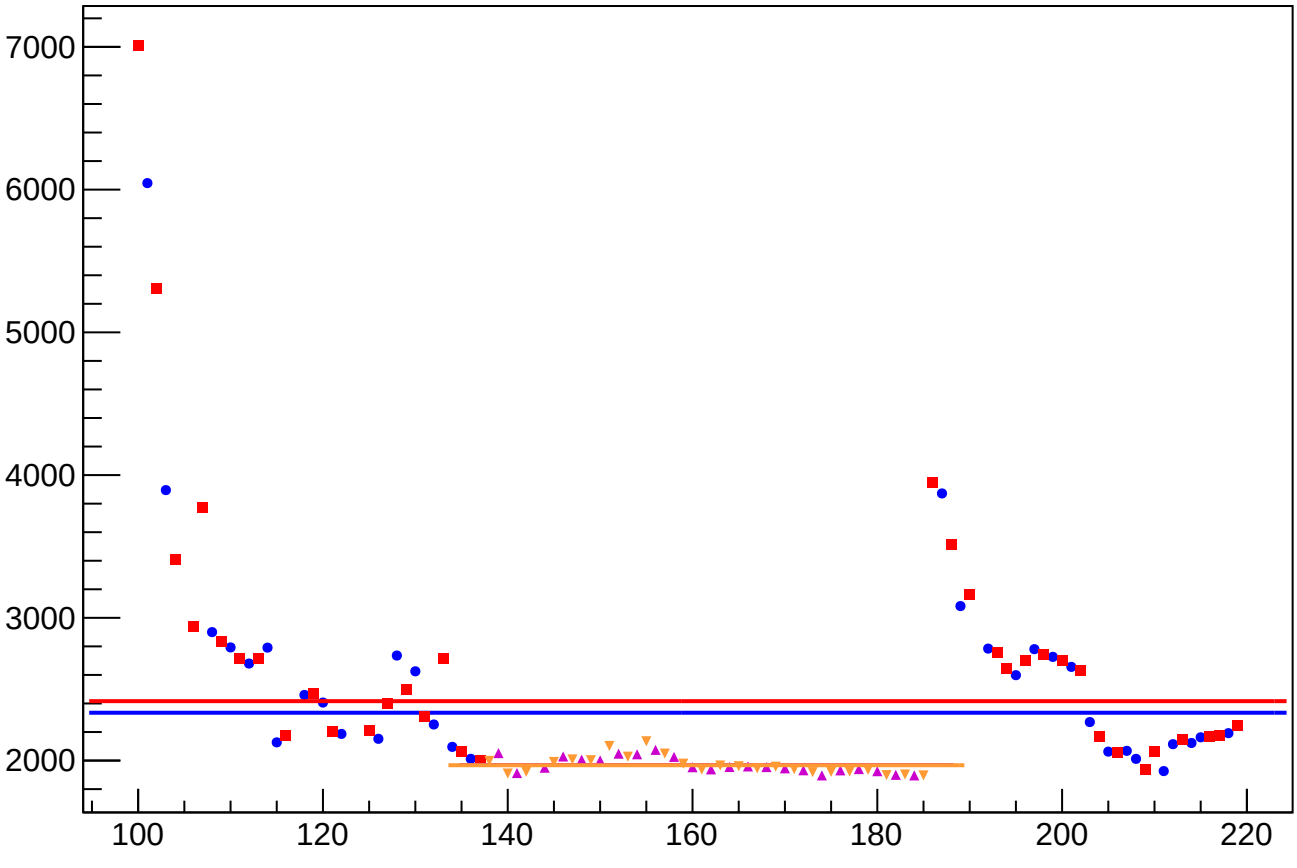
Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

Right: -138.037+/-376.672 χ^2/NDF: 114.0/66

In: 734.378+/-347.140 χ^2/NDF:66.8/54

Out: 72.737+/-347.786 χ^2/NDF:113.6/58

All: 404.173+/-245.693 χ^2/NDF: 182.2/113



Right In: 2335.123+/-0.374 χ^2/NDF: 1391829.5/31

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2416.256+/-0.379 χ^2/NDF: 1472757.7/34

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

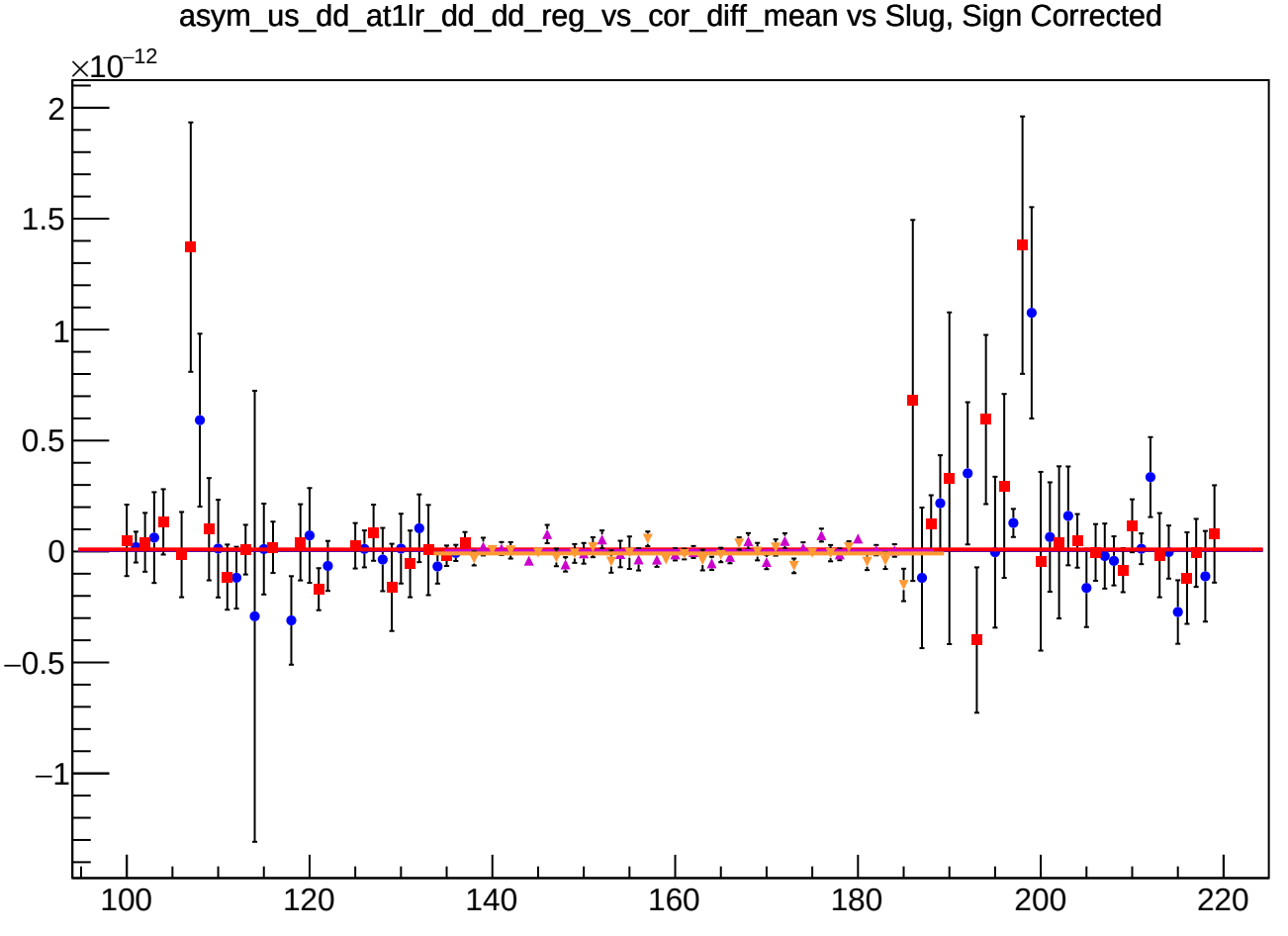
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2375.147+/-0.266 χ^2/NDF: 2887780.5/66

In: 2126.573+/-0.245 χ^2/NDF:1963674.6/54

Out: 2156.177+/-0.246 χ^2/NDF:2318732.3/58

All: 2141.347+/-0.174 χ^2/NDF: 4289666.2/11



Right In: 0.000+/-0.000 χ^2/NDF: 28.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/34

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

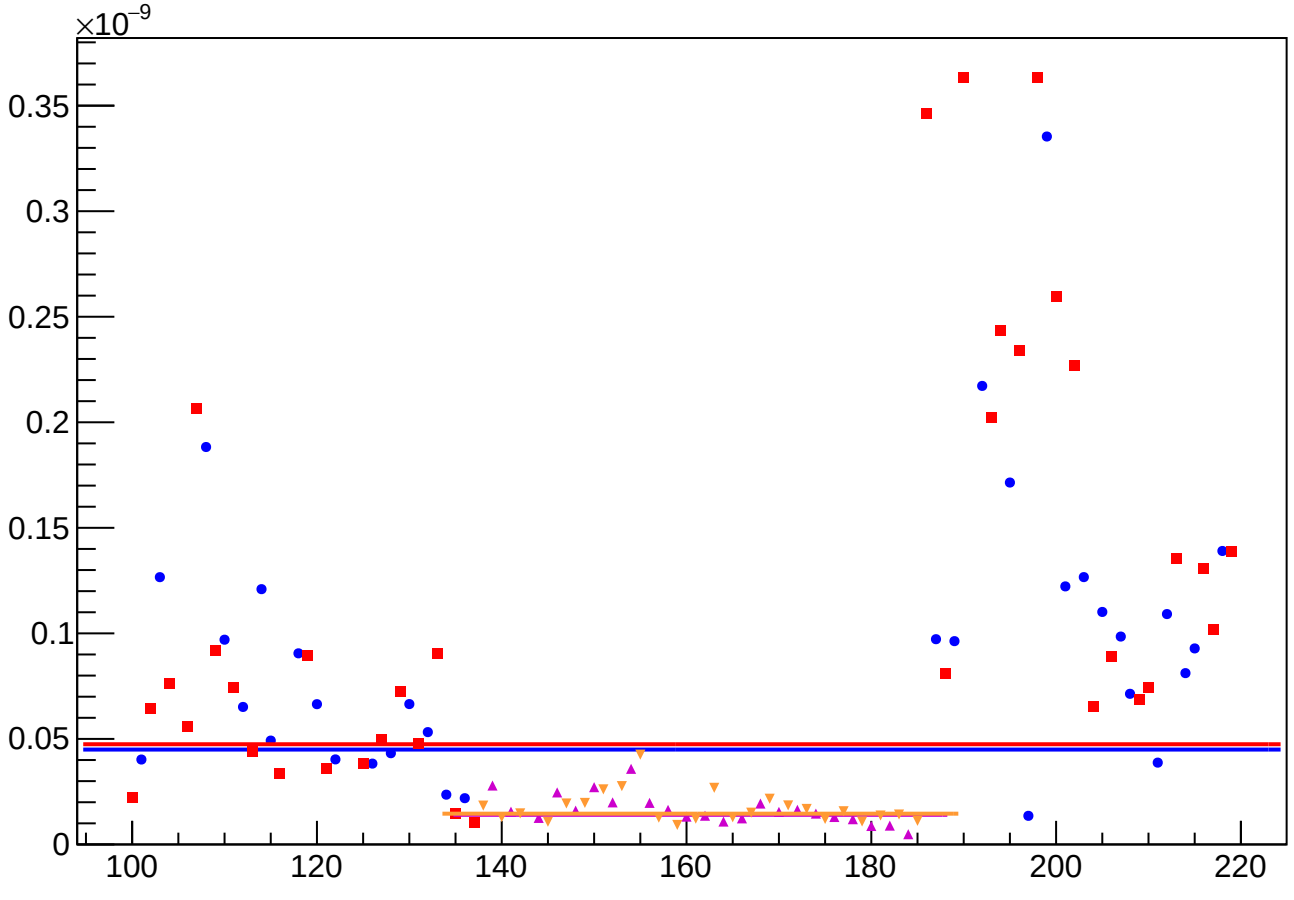
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 55.3/66

In: 0.000+/-0.000 χ^2/NDF:67.0/54

Out: -0.000+/-0.000 χ^2/NDF:48.7/58

All: -0.000+/-0.000 χ^2/NDF: 117.1/113



Right In: 0.000+/-0.000 χ^2/NDF: 6379781.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8577625.8/34

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

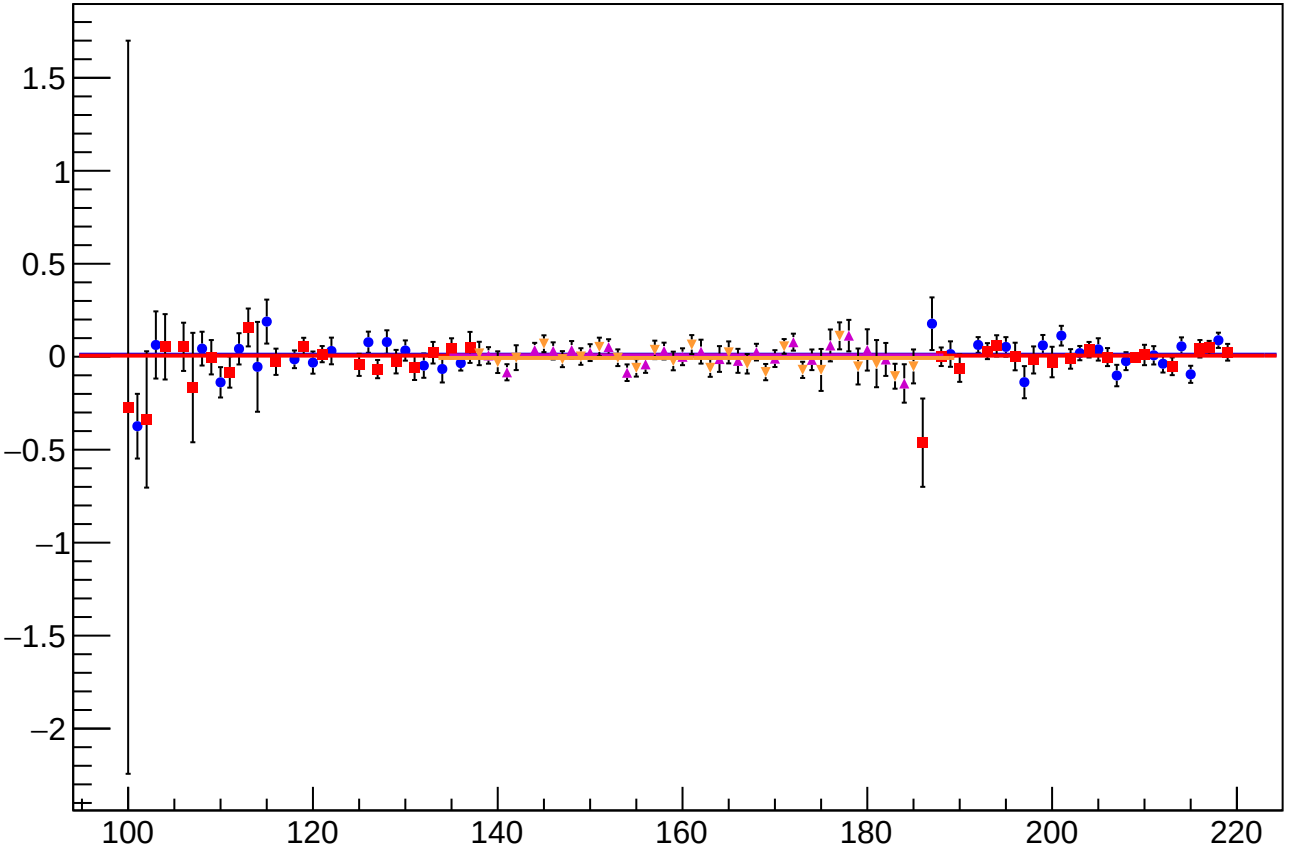
Right: 0.000+/-0.000 χ^2/NDF: 14972415.9/66

In: 0.000+/-0.000 χ^2/NDF:12227280.3/54

Out: 0.000+/-0.000 χ^2/NDF:14121225.9/58

All: 0.000+/-0.000 χ^2/NDF: 26354495.7/113

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.010 χ^2/NDF: 44.0/31

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/34

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

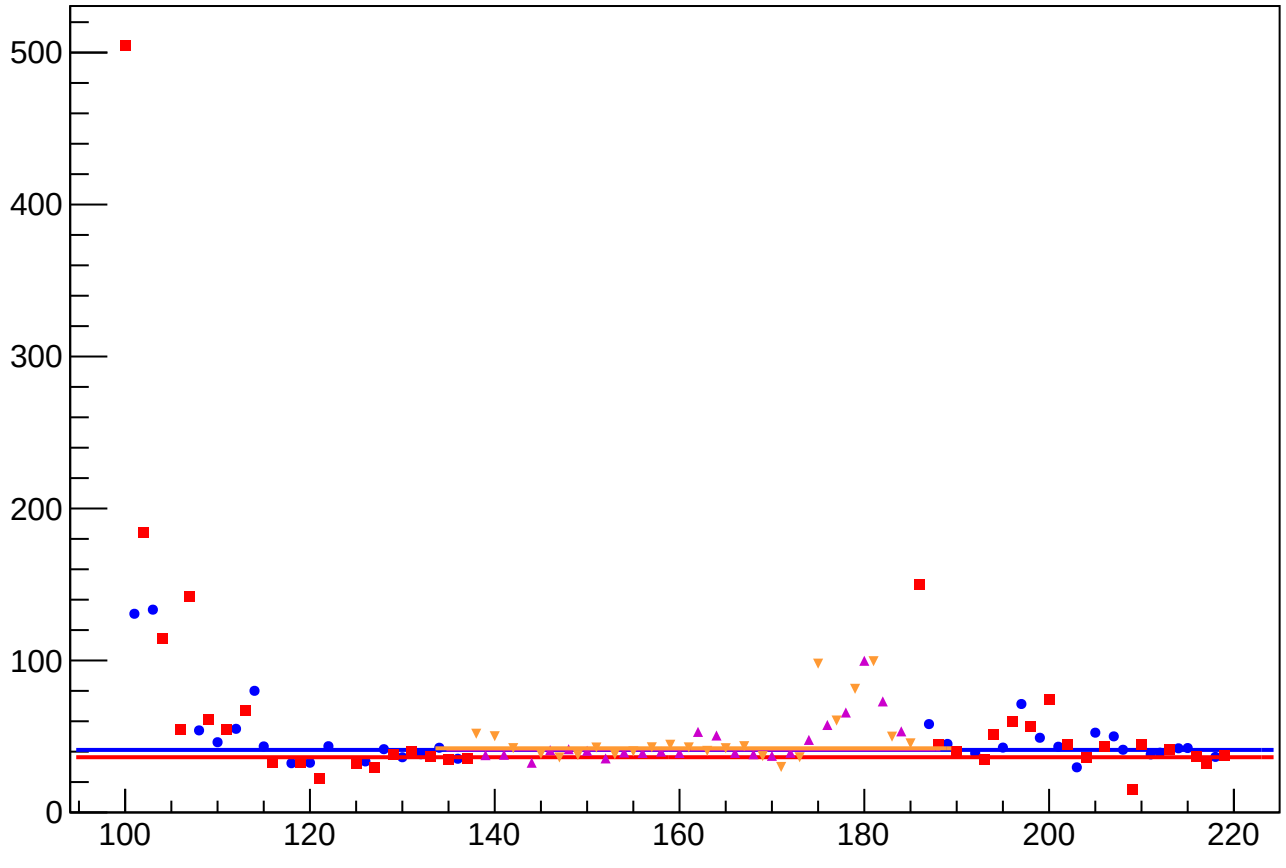
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: 0.008+/-0.007 χ^2/NDF: 65.7/66

In: 0.009+/-0.007 χ^2/NDF:64.2/54

Out: 0.000+/-0.007 χ^2/NDF:46.2/58

All: 0.004+/-0.005 χ^2/NDF: 111.0/113



Right In: 41.151+/-0.007 χ^2/NDF: 2080040.3/31

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 36.343+/-0.007 χ^2/NDF: 4925116.5/34

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

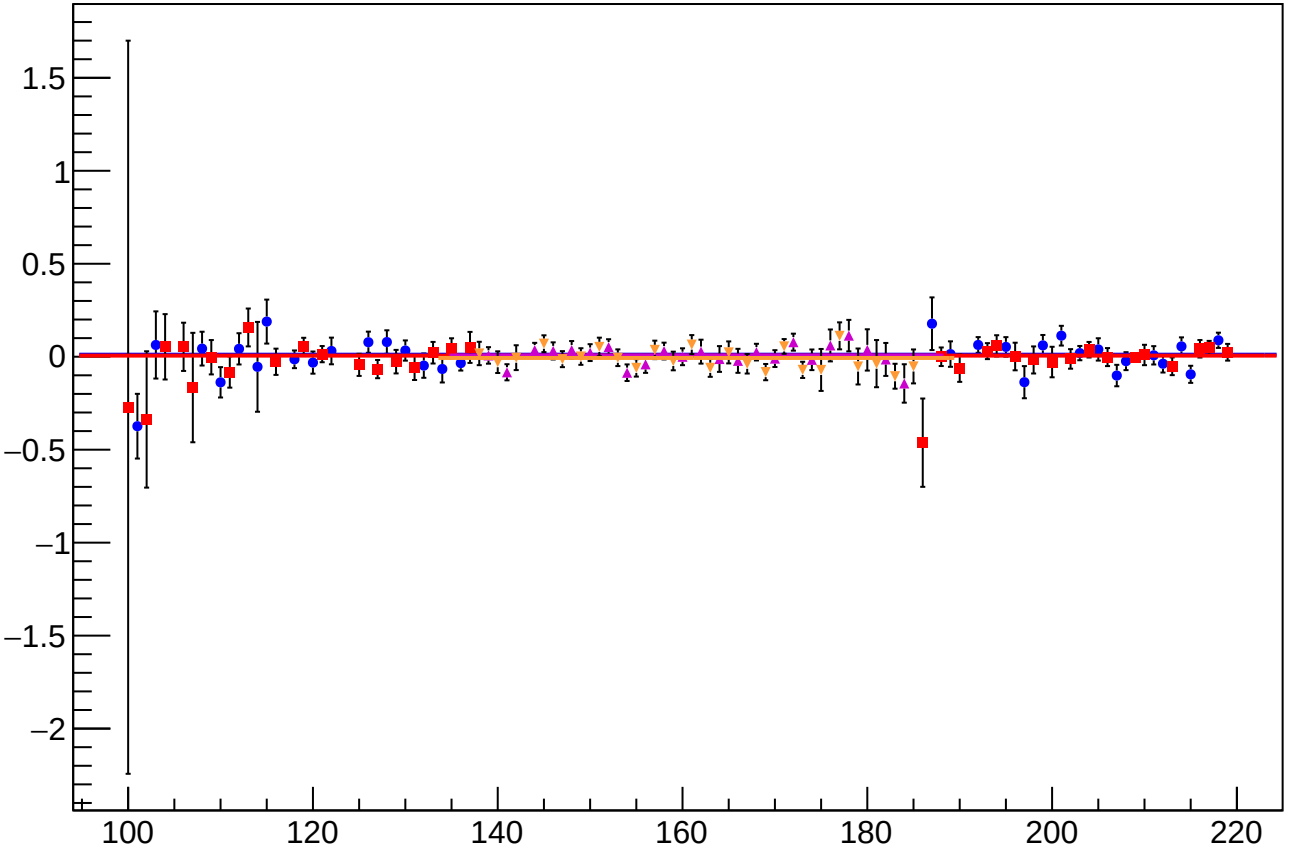
Right: 38.570+/-0.005 χ^2/NDF: 7239939.1/66

In: 41.280+/-0.005 χ^2/NDF:3492878.3/54

Out: 38.885+/-0.005 χ^2/NDF:7071400.8/58

All: 40.043+/-0.004 χ^2/NDF: 10671634.8/113

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.010 χ^2/NDF: 44.0/31

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/34

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

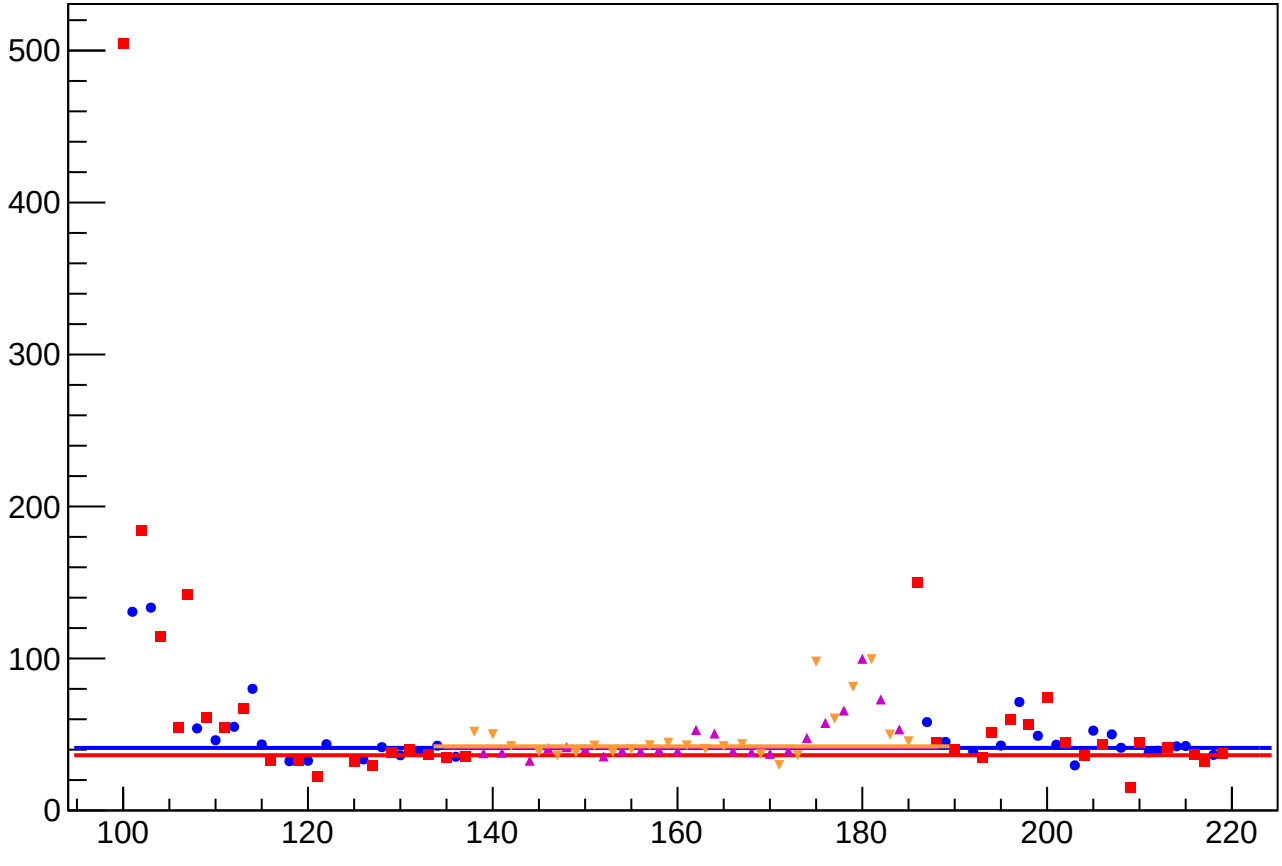
Right: 0.008+/-0.007 χ^2/NDF: 65.7/66

In: 0.009+/-0.007 χ^2/NDF:64.2/54

Out: 0.000+/-0.007 χ^2/NDF:46.2/58

All: 0.004+/-0.005 χ^2/NDF: 111.0/113

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.151+/-0.007 χ^2/NDF: 2080040.3/31

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 36.343+/-0.007 χ^2/NDF: 4925116.5/34

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

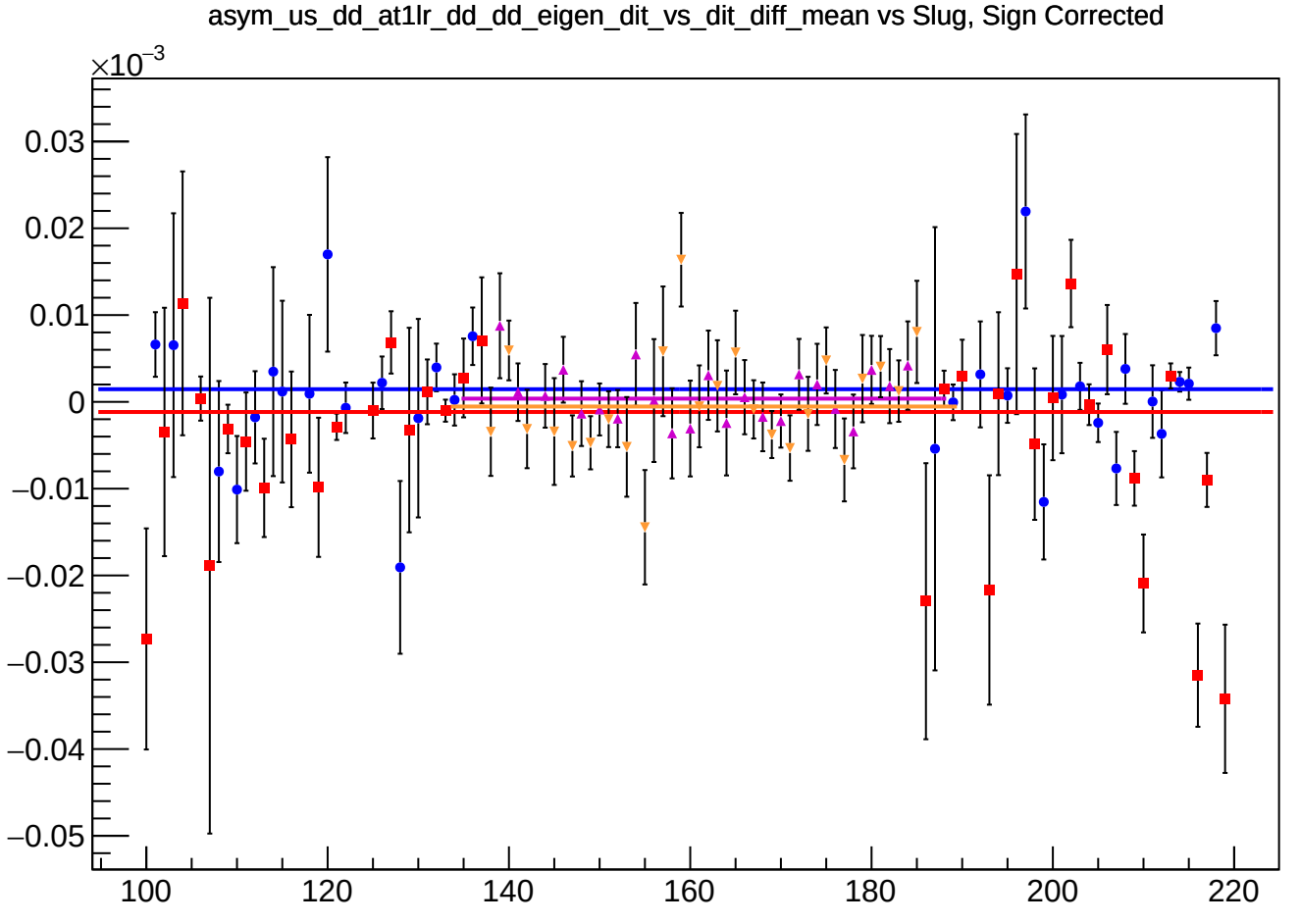
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

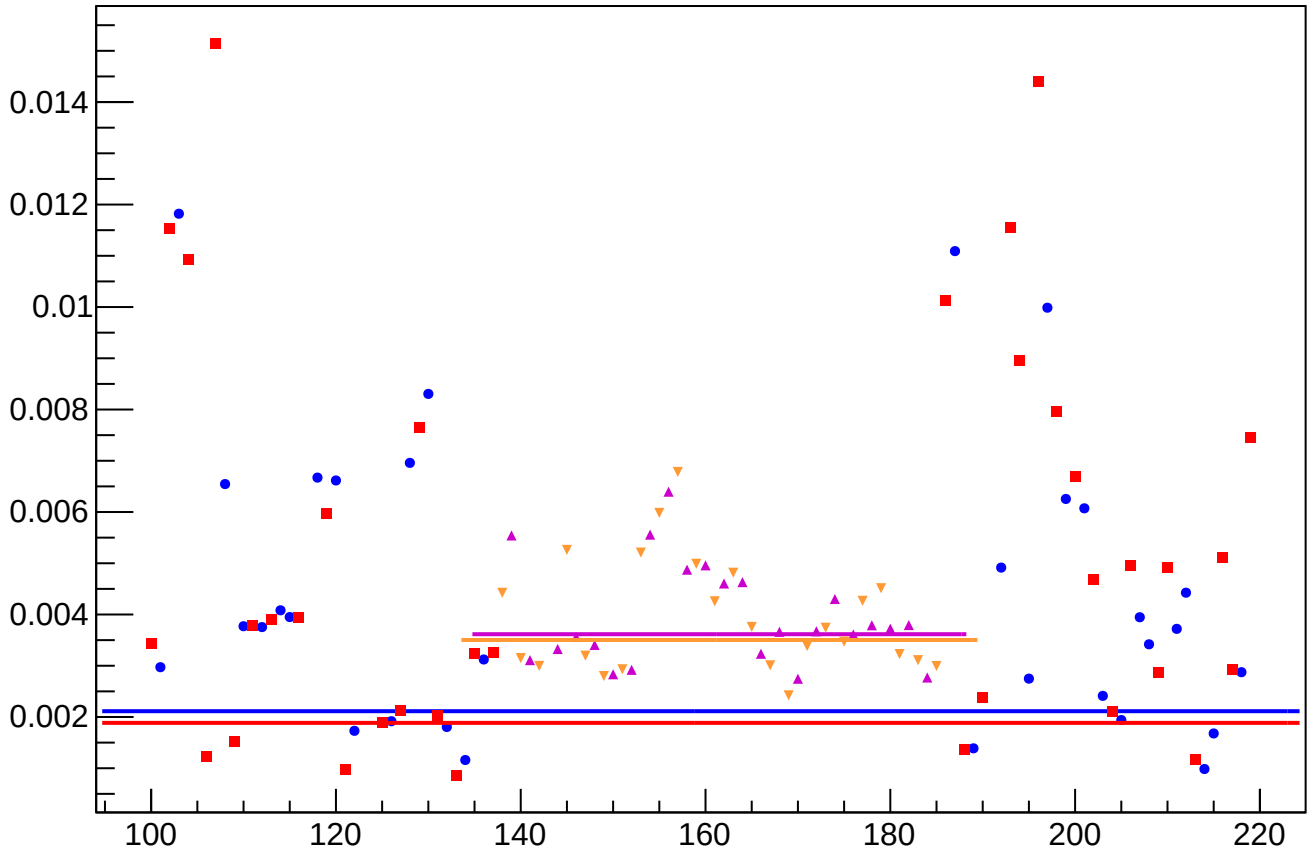
Right: 38.570+/-0.005 χ^2/NDF: 7239939.1/66

In: 41.280+/-0.005 χ^2/NDF:3492878.3/54

Out: 38.885+/-0.005 χ^2/NDF:7071400.8/58

All: 40.043+/-0.004 χ^2/NDF: 10671634.8/113


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 41.0/31
Left Out: -0.000+/-0.000 χ²/NDF:36.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 111.7/34
Left In: 0.000+/-0.000 χ²/NDF:9.7/22
Left: -0.000+/-0.000 χ²/NDF: 47.1/46
Right: 0.000+/-0.000 χ²/NDF: 163.1/66
In: 0.000+/-0.000 χ²/NDF:51.8/54
Out: -0.000+/-0.000 χ²/NDF:148.9/58
All: 0.000+/-0.000 χ²/NDF: 210.3/113



Right In: 0.002+/-0.000 χ^2/NDF: 11125210.4/31

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

Right Out: 0.002+/-0.000 χ^2/NDF: 16365187.3/34

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

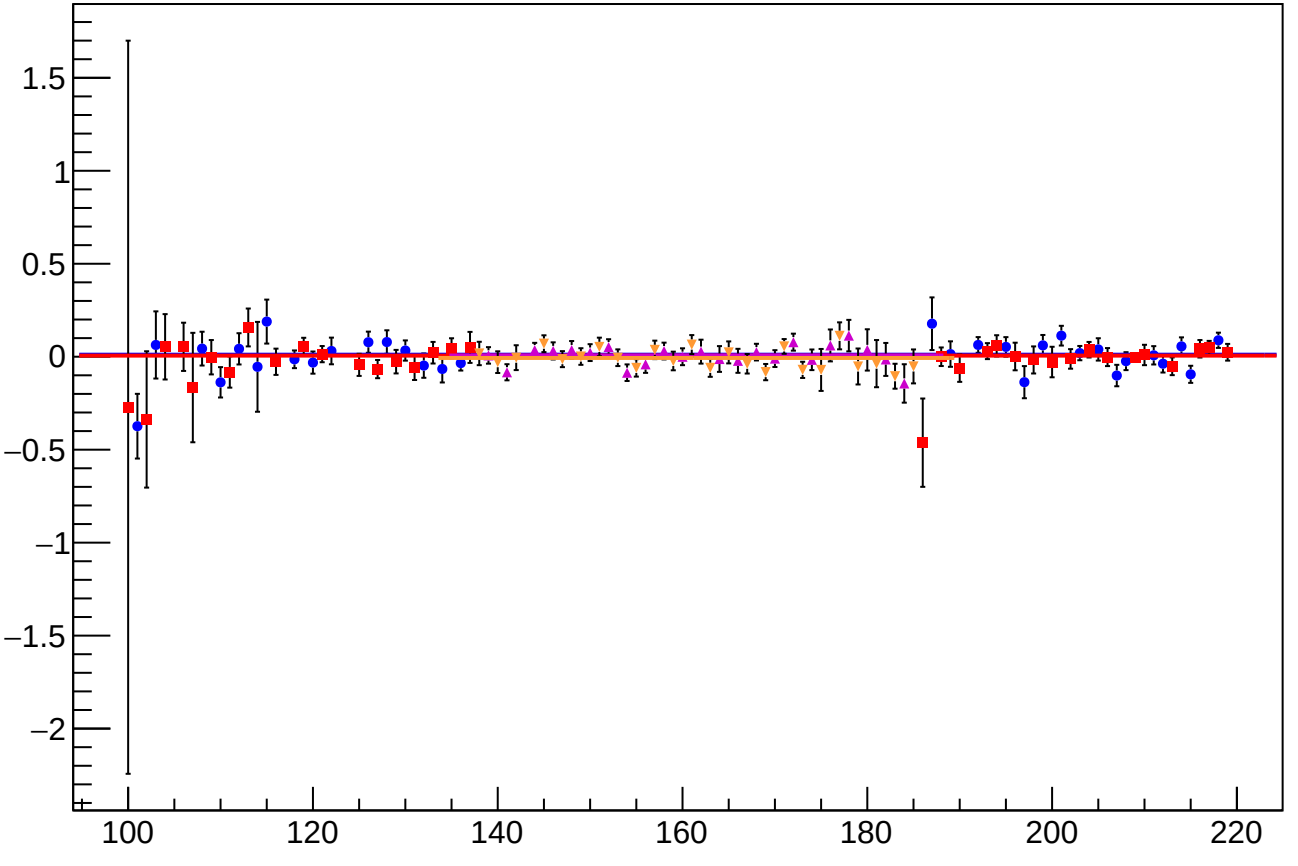
Right: 0.002+/-0.000 χ^2/NDF: 27647624.0/66

In: 0.003+/-0.000 χ^2/NDF:16889740.9/54

Out: 0.002+/-0.000 χ^2/NDF:23632155.9/58

All: 0.002+/-0.000 χ^2/NDF: 40686247.9/113

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.010 χ^2/NDF: 44.0/31

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/34

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

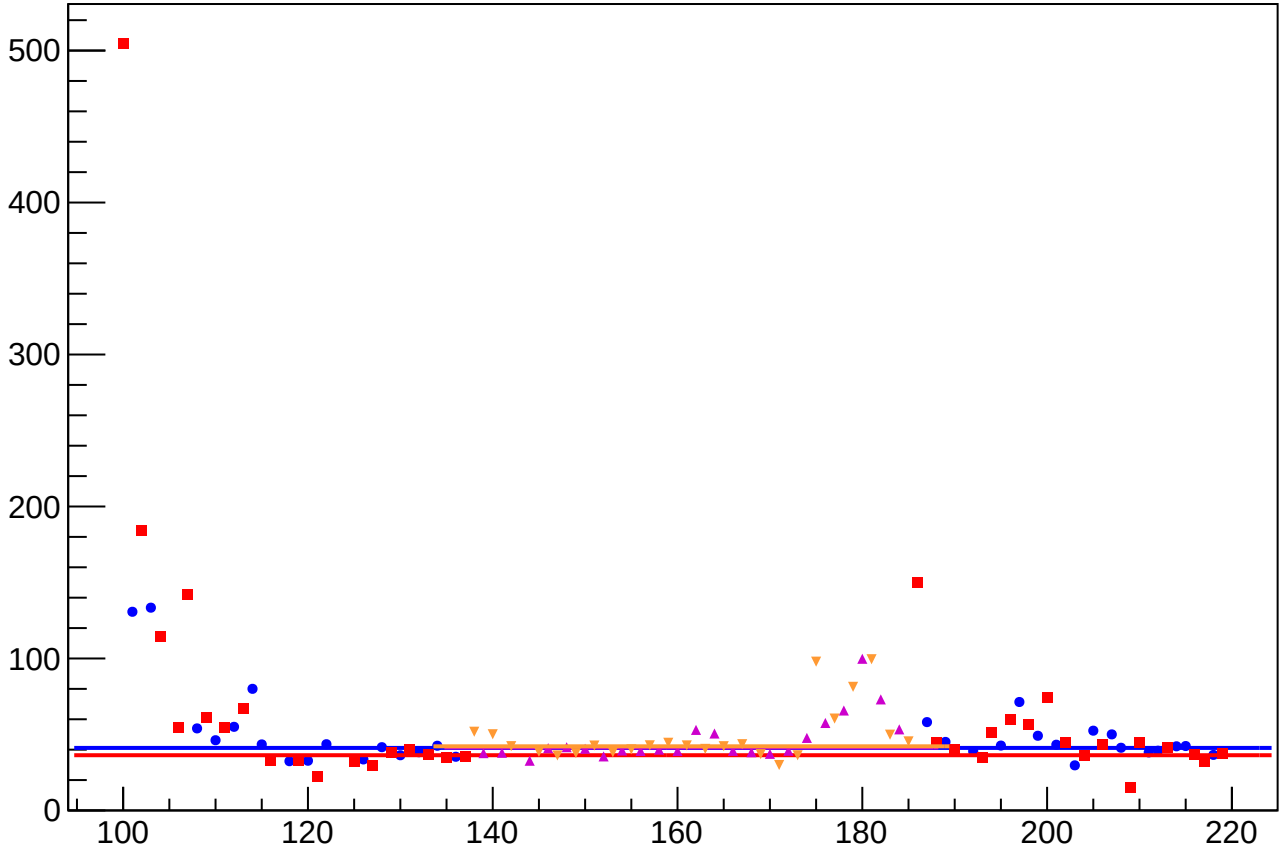
Right: 0.008+/-0.007 χ^2/NDF: 65.7/66

In: 0.009+/-0.007 χ^2/NDF:64.2/54

Out: 0.000+/-0.007 χ^2/NDF:46.2/58

All: 0.004+/-0.005 χ^2/NDF: 111.0/113

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.151+/-0.007 χ^2/NDF: 2079952.3/31

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 36.346+/-0.007 χ^2/NDF: 4922613.0/34

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

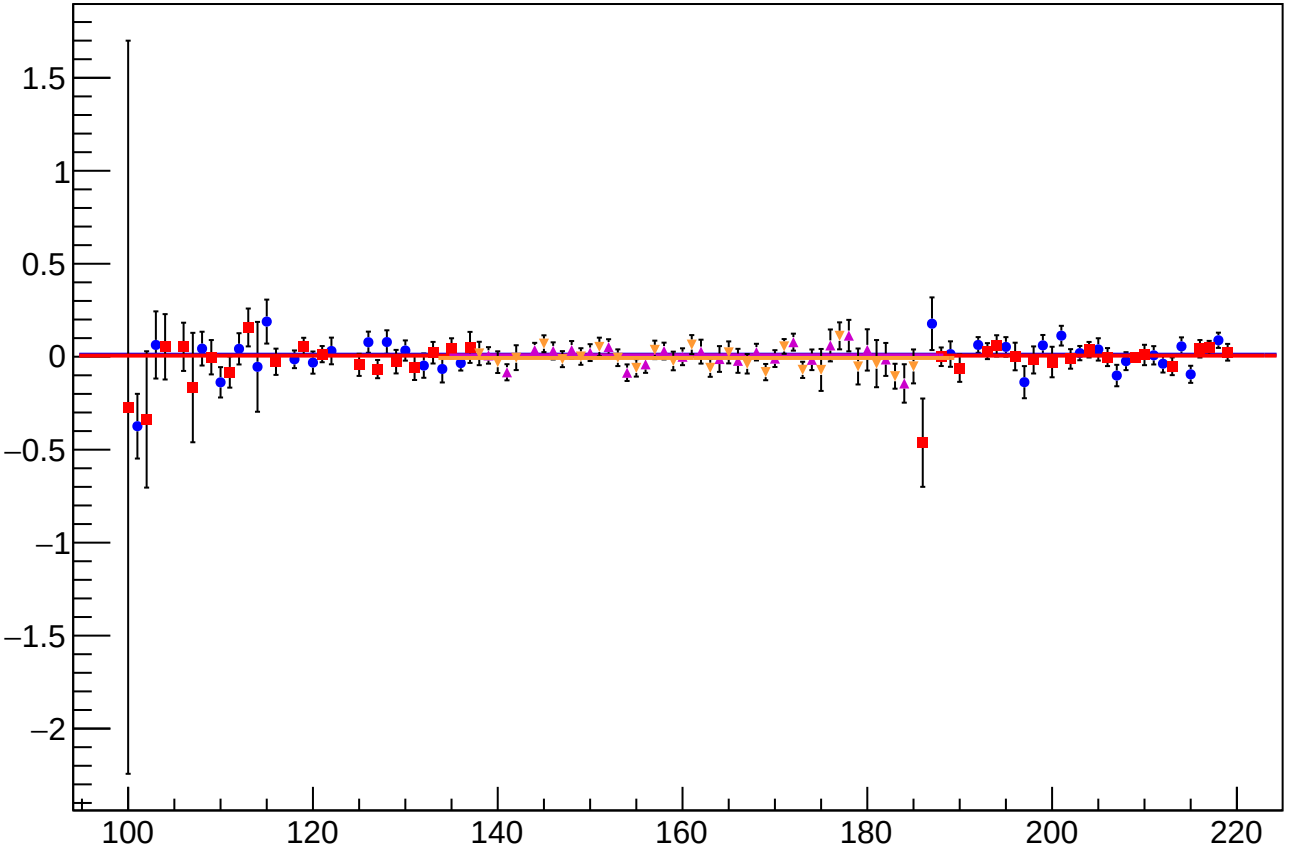
Right: 38.572+/-0.005 χ^2/NDF: 7237057.0/66

In: 41.280+/-0.005 χ^2/NDF:3492722.4/54

Out: 38.886+/-0.005 χ^2/NDF:7068515.1/58

All: 40.044+/-0.004 χ^2/NDF: 10668438.9/113

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.010 χ^2/NDF: 44.0/31

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/34

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

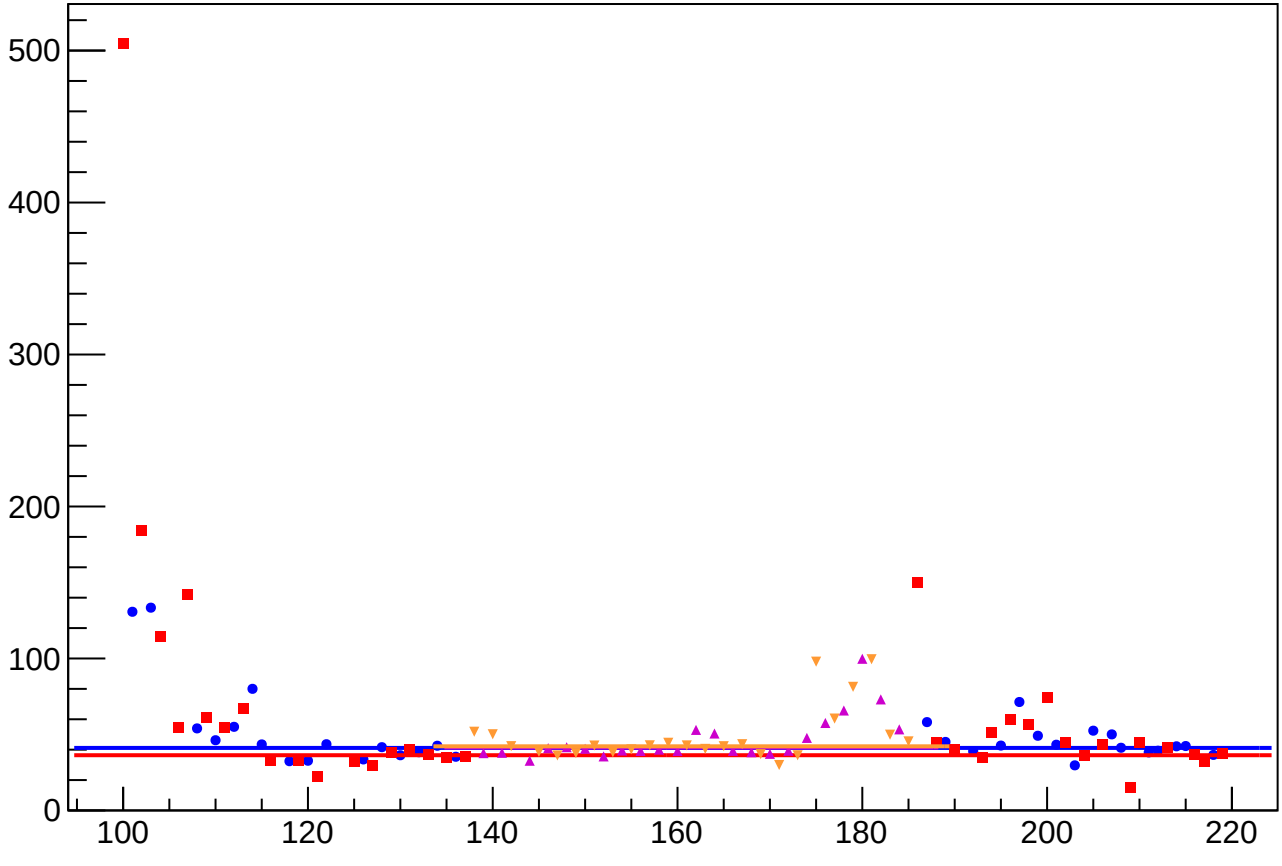
Right: 0.008+/-0.007 χ^2/NDF: 65.7/66

In: 0.009+/-0.007 χ^2/NDF:64.2/54

Out: 0.000+/-0.007 χ^2/NDF:46.2/58

All: 0.004+/-0.005 χ^2/NDF: 111.0/113

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.151+/-0.007 χ^2/NDF: 2079952.3/31

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 36.346+/-0.007 χ^2/NDF: 4922613.0/34

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

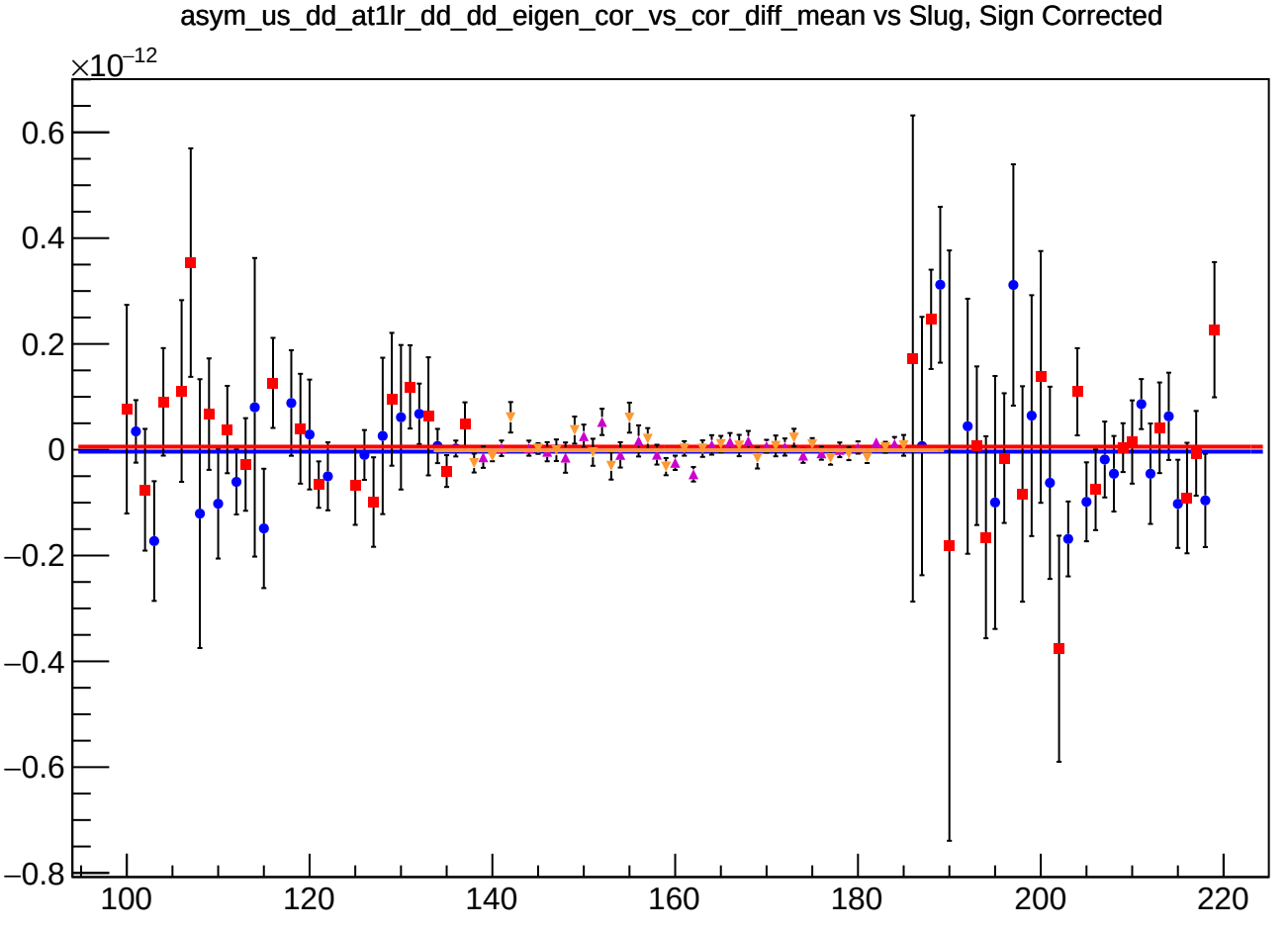
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 38.572+/-0.005 χ^2/NDF: 7237057.0/66

In: 41.280+/-0.005 χ^2/NDF:3492722.4/54

Out: 38.886+/-0.005 χ^2/NDF:7068515.1/58

All: 40.044+/-0.004 χ^2/NDF: 10668438.9/113



Right In: -0.000+/-0.000 χ^2/NDF: 31.2/31

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 36.6/34

Left In: 0.000+/-0.000 χ^2/NDF:28.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

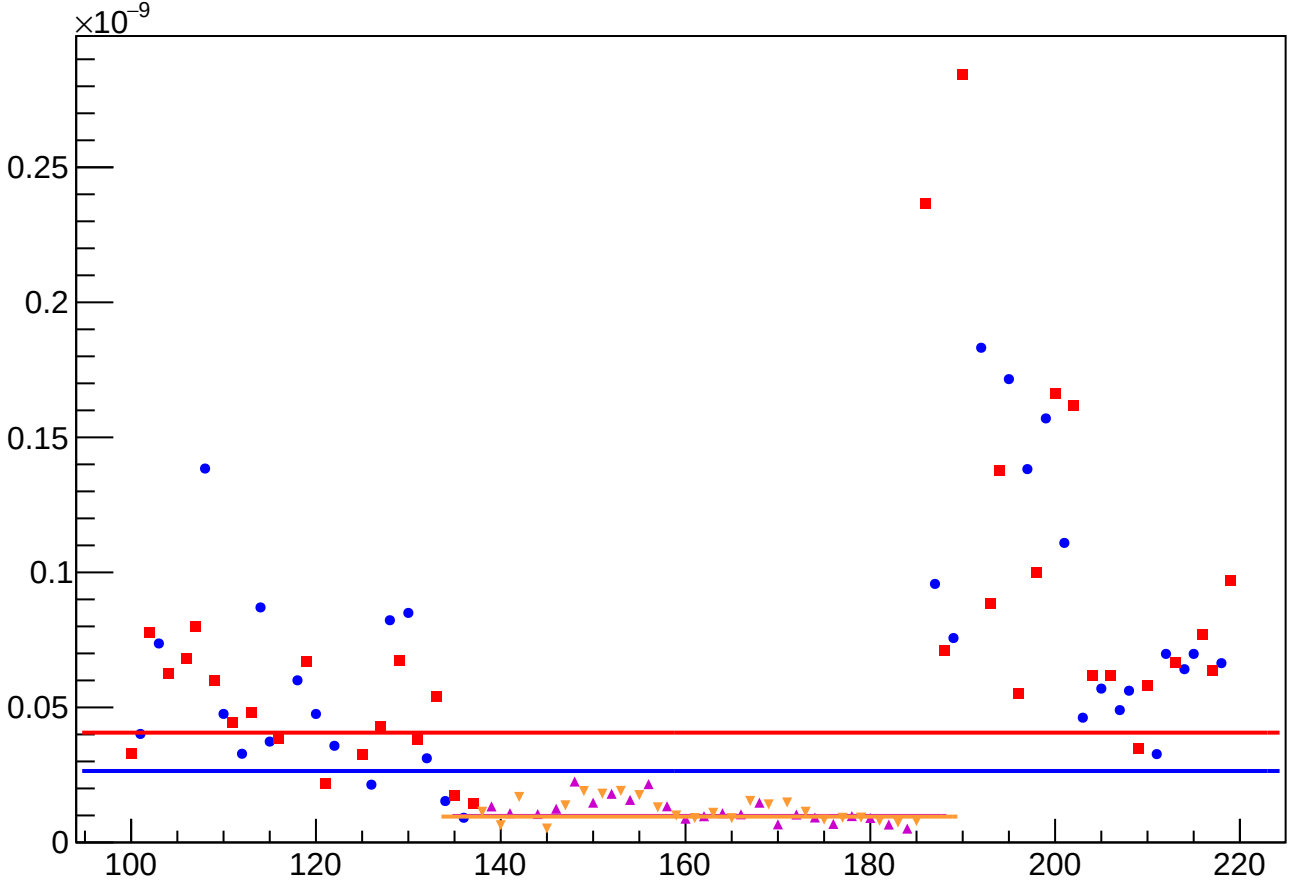
Right: -0.000+/-0.000 χ^2/NDF: 68.2/66

In: 0.000+/-0.000 χ^2/NDF:59.7/54

Out: -0.000+/-0.000 χ^2/NDF:66.4/58

All: -0.000+/-0.000 χ^2/NDF: 126.1/113

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11375990.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7637434.5/34

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

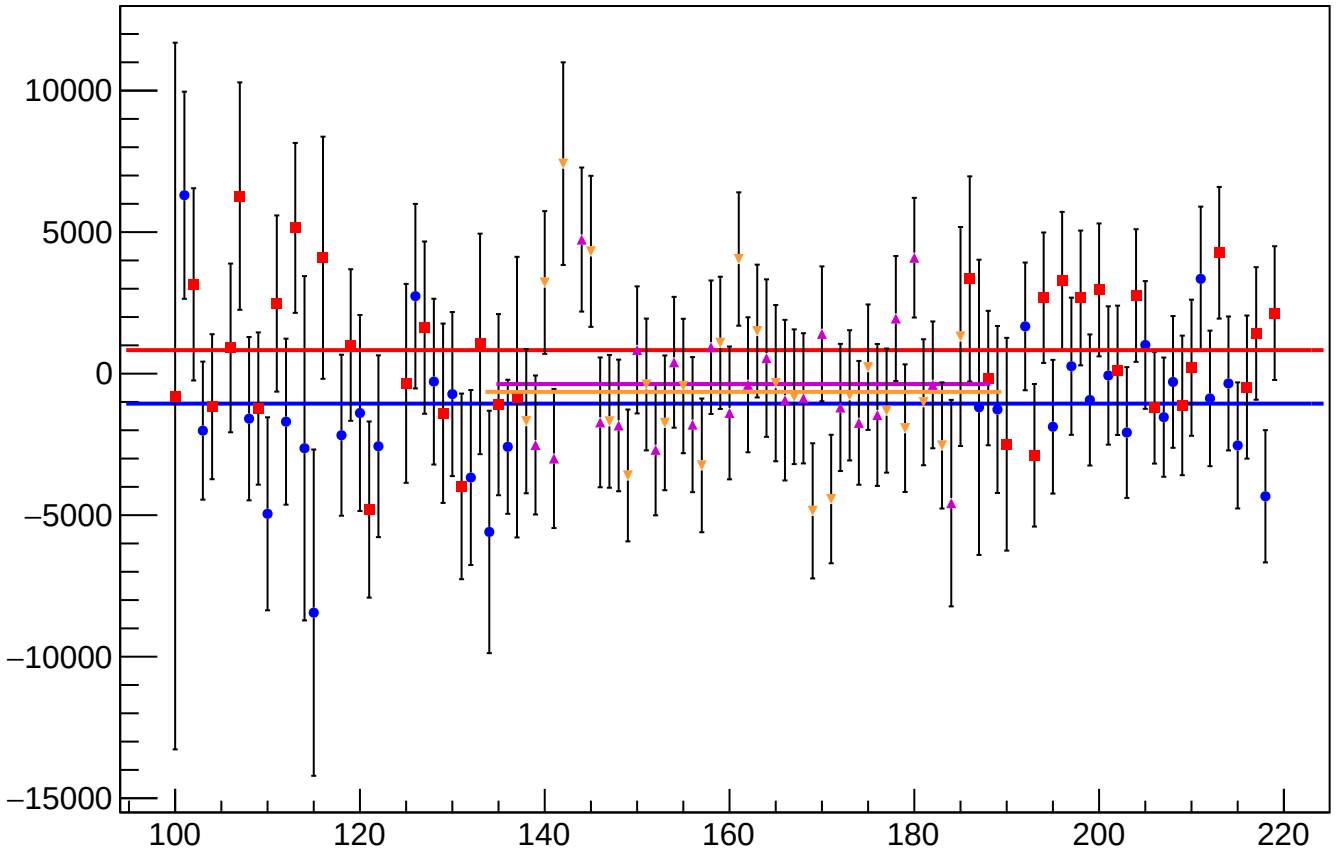
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 20397193.7/66

In: 0.000+/-0.000 χ^2/NDF:18380732.1/54

Out: 0.000+/-0.000 χ^2/NDF:20026619.1/58

All: 0.000+/-0.000 χ^2/NDF: 38410931.1/113



Right In: -1058.957+/-480.562 χ^2/NDF: 20.1/31

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 831.091+/-470.288 χ^2/NDF: 25.1/34

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

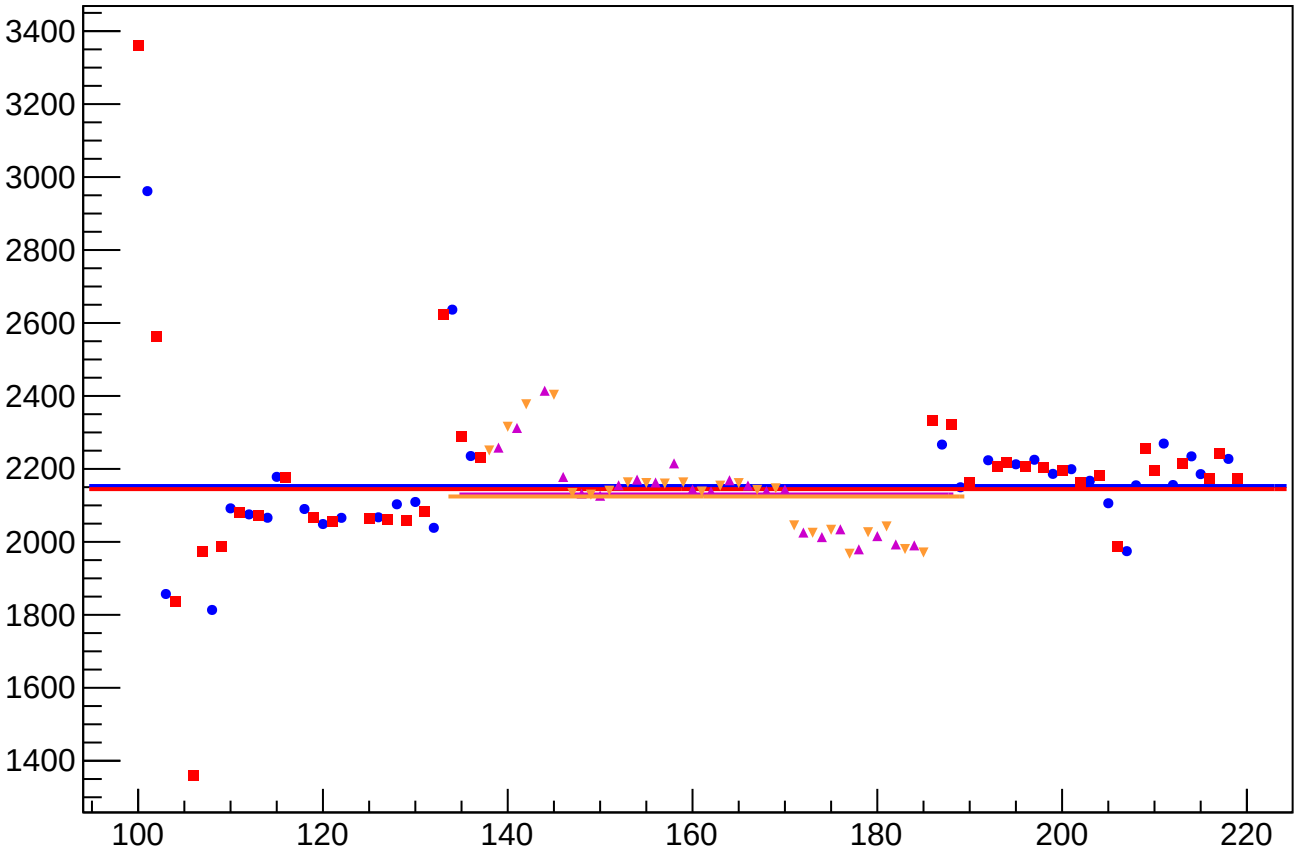
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -93.513+/-336.117 χ^2/NDF: 53.1/66

In: -725.117+/-345.774 χ^2/NDF:38.4/54

Out: 129.412+/-340.514 χ^2/NDF:56.9/58

All: -291.303+/-242.618 χ^2/NDF: 98.4/113



Right In: 2153.111+/-0.340 χ^2/NDF: 225991.0/31

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2144.648+/-0.333 χ^2/NDF: 319653.9/34

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

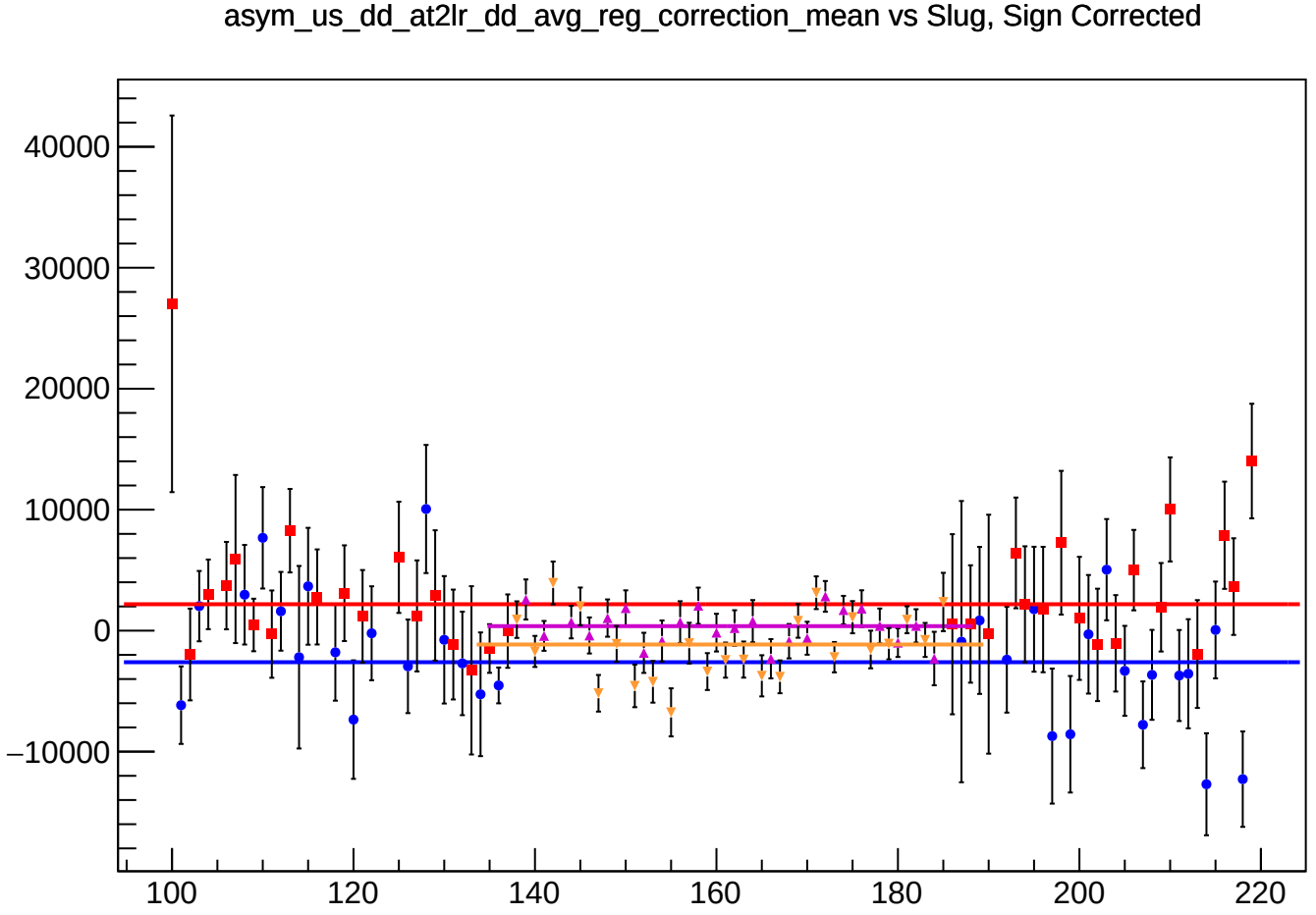
Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

Right: 2148.788+/-0.238 χ^2/NDF: 545961.7/66

In: 2141.915+/-0.244 χ^2/NDF:313596.3/54

Out: 2135.032+/-0.241 χ^2/NDF:410595.2/58

All: 2138.421+/-0.172 χ^2/NDF: 724593.7/113



Right In: -2608.419+/-679.163 χ^2/NDF: 46.0/31

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 2183.425+/-671.296 χ^2/NDF: 30.4/34

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

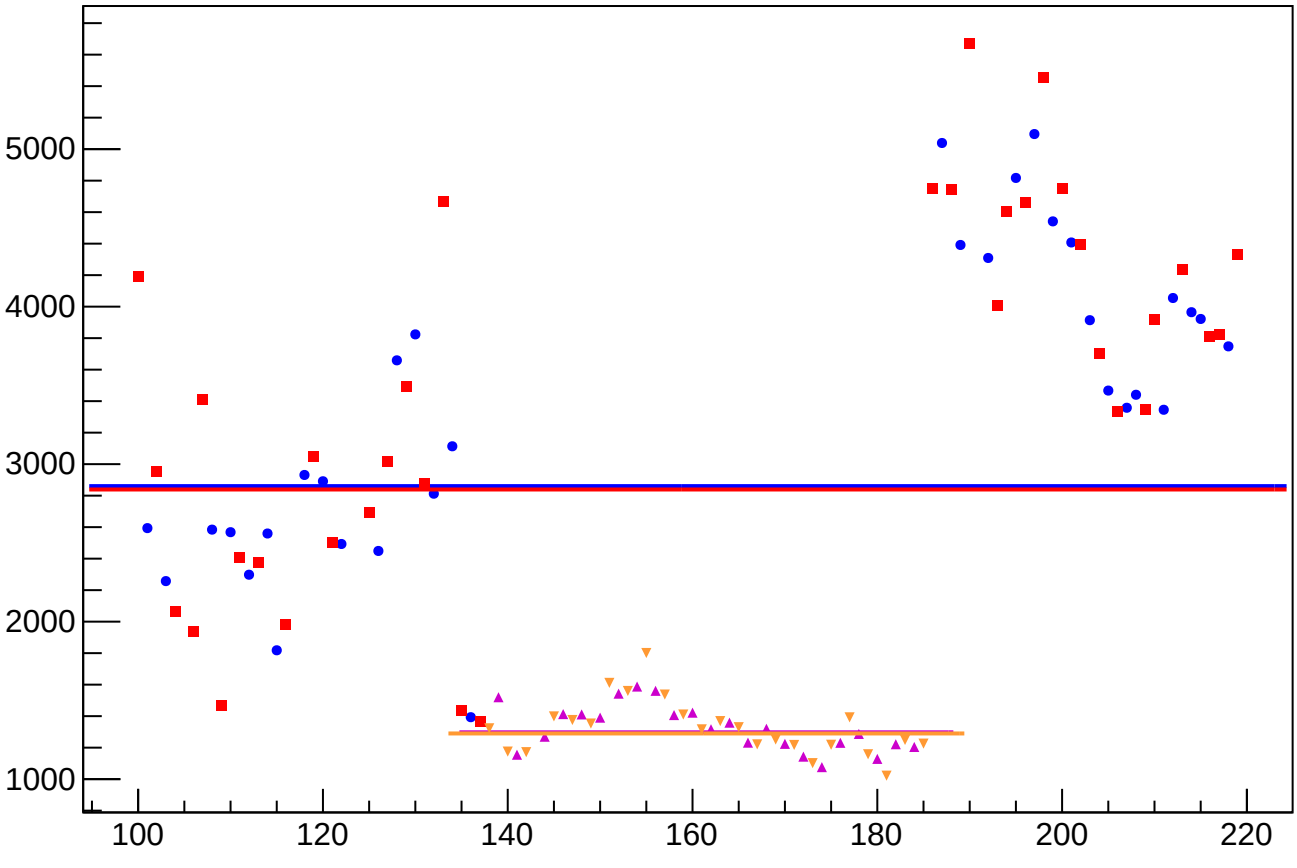
Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

Right: -184.584+/-477.435 χ^2/NDF: 101.6/66

In: -128.146+/-278.518 χ^2/NDF:82.3/54

Out: -583.094+/-275.783 χ^2/NDF:118.3/58

All: -357.865+/-195.968 χ^2/NDF: 202.0/113



Right In: 2860.510+/-0.480 χ^2/NDF: 4683586.0/31

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2839.054+/-0.475 χ^2/NDF: 5952313.2/34

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

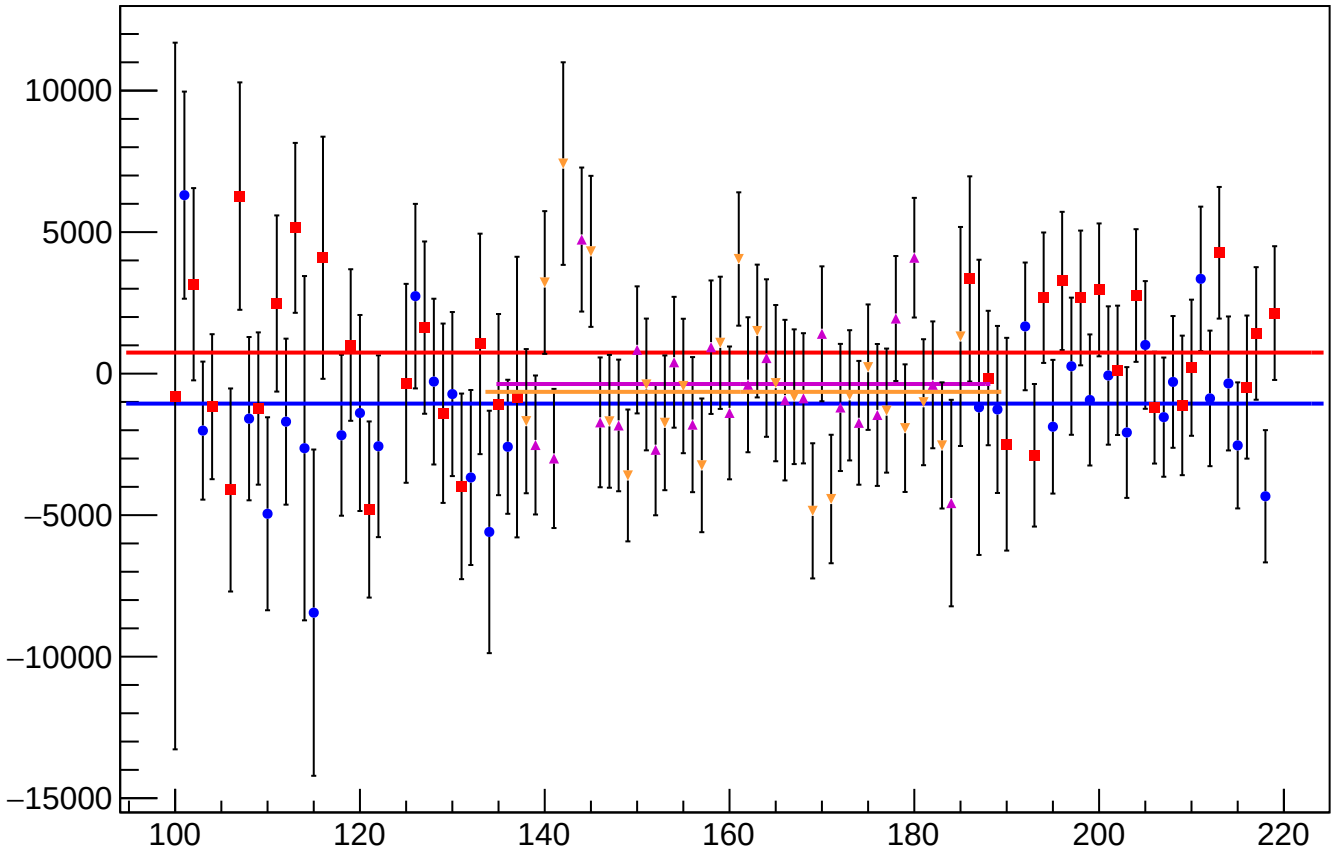
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2849.657+/-0.338 χ^2/NDF: 10636908.9/66

In: 1560.320+/-0.197 χ^2/NDF:13929351.9/54

Out: 1551.465+/-0.195 χ^2/NDF:15372168.9/58

All: 1555.849+/-0.139 χ^2/NDF: 29302541.6/1



Right In: -1059.000+/-480.562 χ^2/NDF: 20.1/31

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 743.633+/-472.114 χ^2/NDF: 26.9/34

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

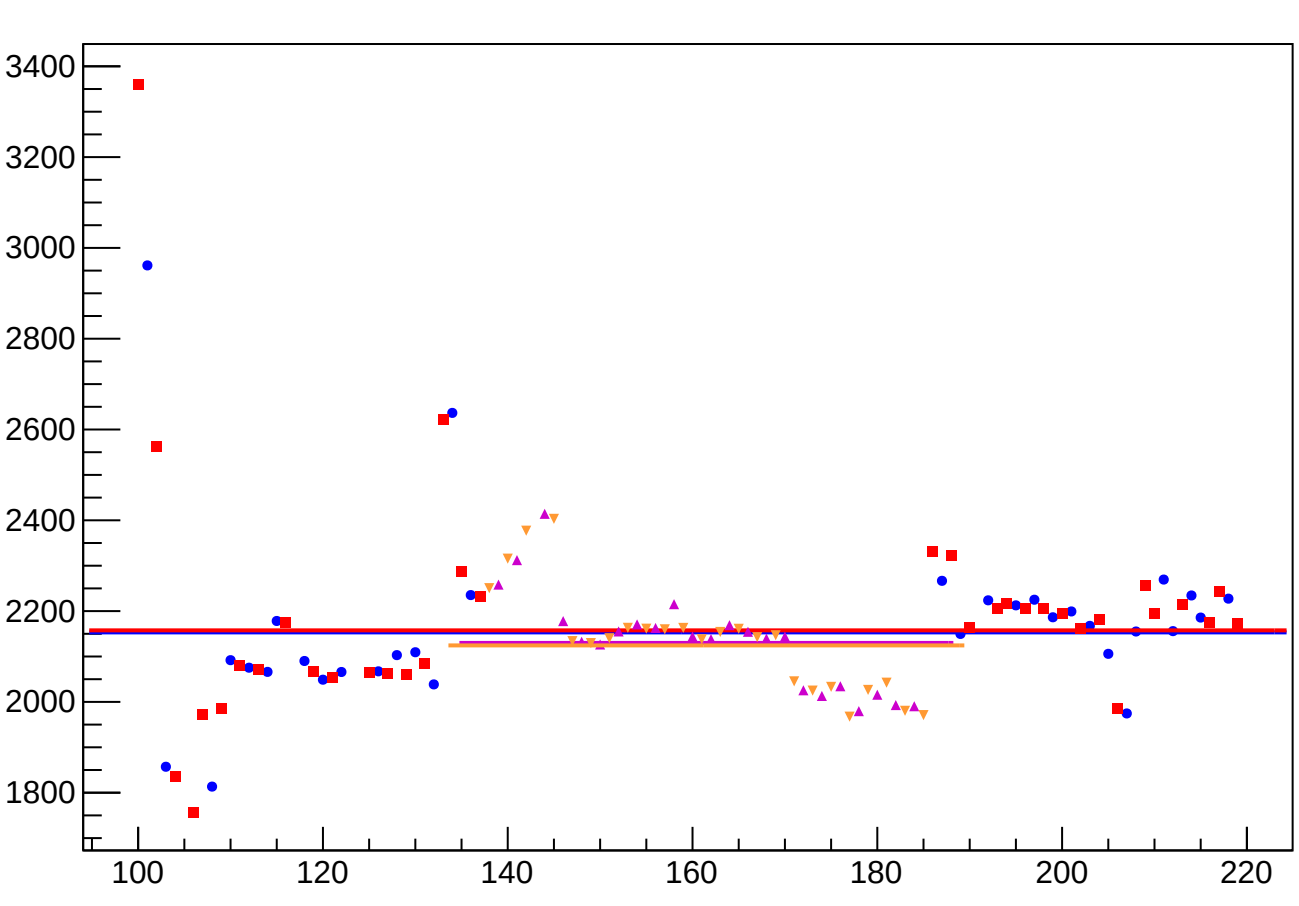
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -141.698+/-336.782 χ^2/NDF: 54.2/66

In: -725.086+/-345.774 χ^2/NDF:38.4/54

Out: 80.945+/-341.205 χ^2/NDF:58.2/58

All: -316.709+/-242.868 χ^2/NDF: 99.4/113



Right In: 2153.111+/-0.340 χ^2/NDF: 225991.3/31

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2157.590+/-0.334 χ^2/NDF: 203263.2/34

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

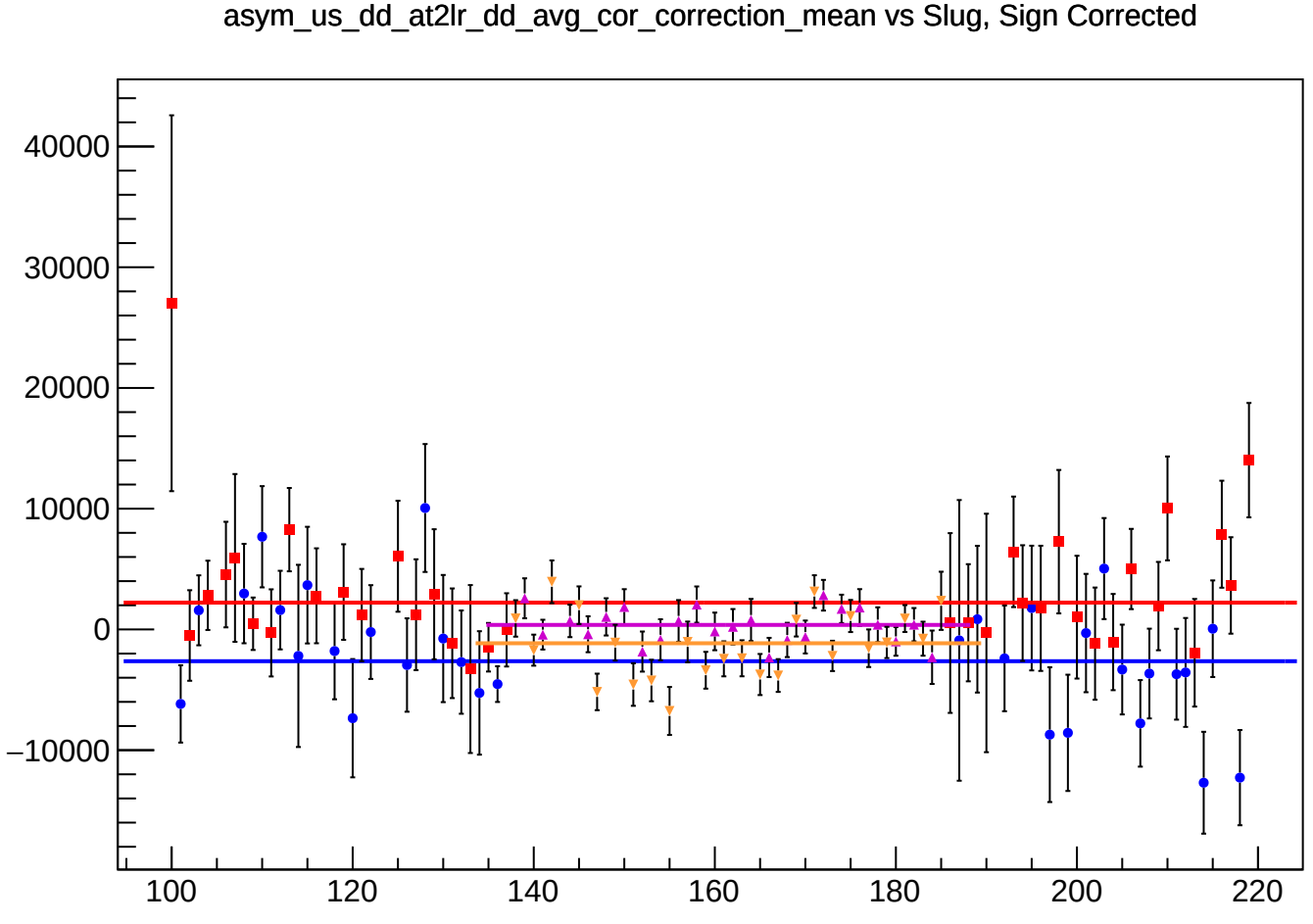
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

Right: 2155.390+/-0.238 χ^2/NDF: 429343.0/66

In: 2141.915+/-0.244 χ^2/NDF:313596.6/54

Out: 2141.754+/-0.241 χ^2/NDF:297158.4/58

All: 2141.833+/-0.172 χ^2/NDF: 610755.3/113



Right In: -2631.645+/-679.021 χ^2/NDF: 45.6/31

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 2220.950+/-674.672 χ^2/NDF: 29.8/34

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

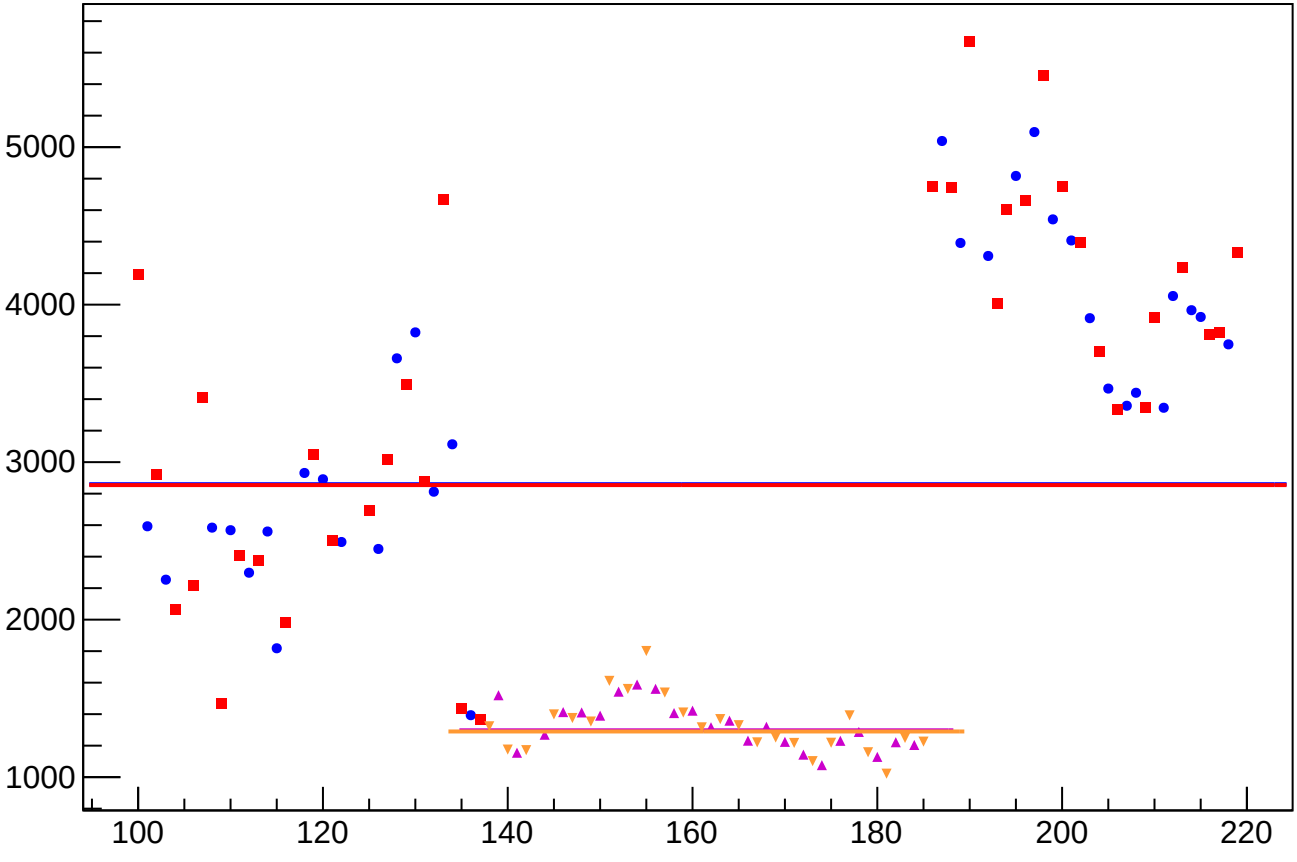
Right: -189.755+/-478.595 χ^2/NDF: 101.0/66

In: -132.326+/-278.509 χ^2/NDF:82.1/54

Out: -581.444+/-276.017 χ^2/NDF:118.0/58

All: -358.903+/-196.049 χ^2/NDF: 201.5/113

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2860.029+/-0.480 χ^2/NDF: 4685305.4/31

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2854.373+/-0.477 χ^2/NDF: 5868684.9/34

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

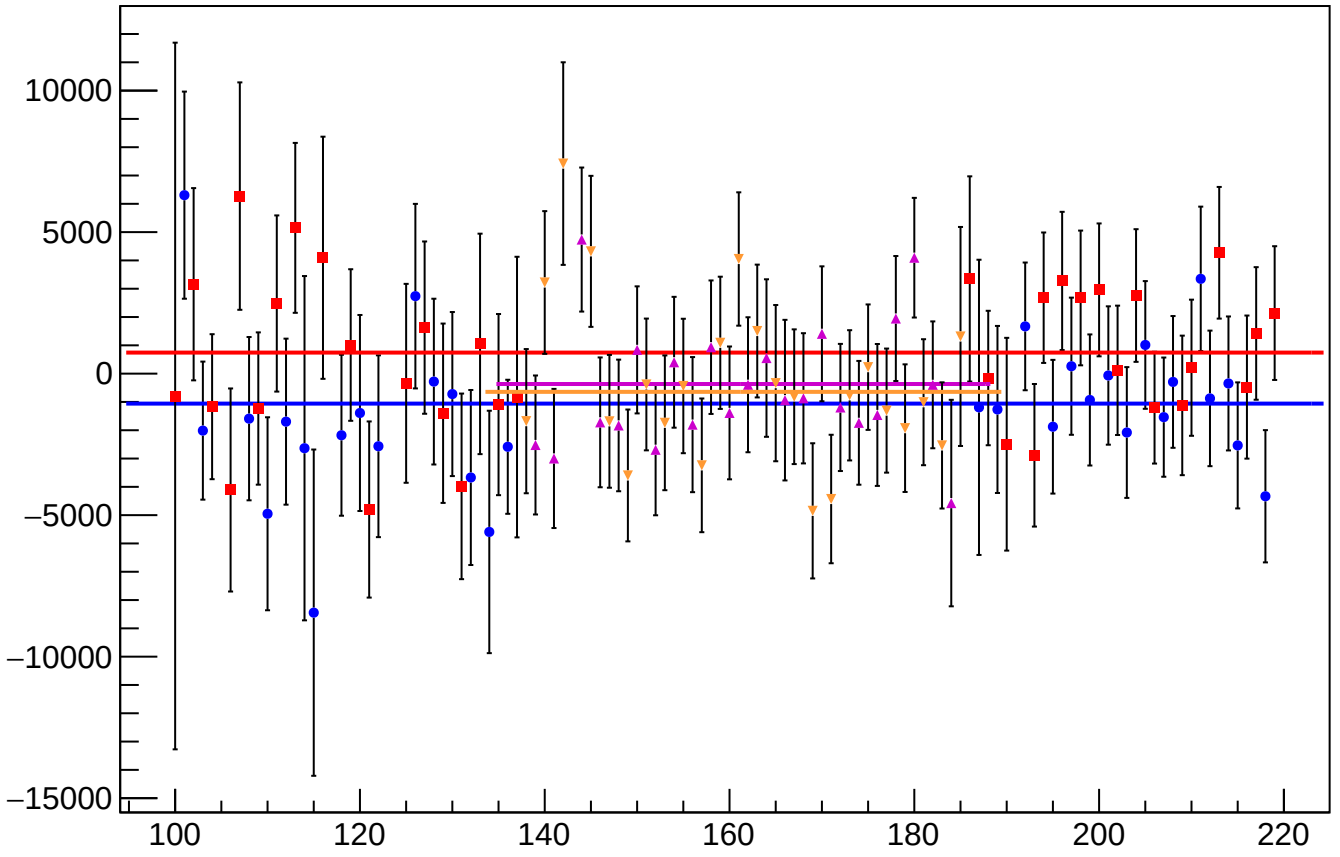
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2857.183+/-0.338 χ^2/NDF: 10554060.1/66

In: 1560.334+/-0.197 χ^2/NDF:13928677.5/54

Out: 1551.869+/-0.195 χ^2/NDF:15389249.0/58

All: 1556.064+/-0.139 χ^2/NDF: 29318858.6/1



Right In: -1059.000+/-480.562 χ^2/NDF: 20.1/31

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 743.633+/-472.114 χ^2/NDF: 26.9/34

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

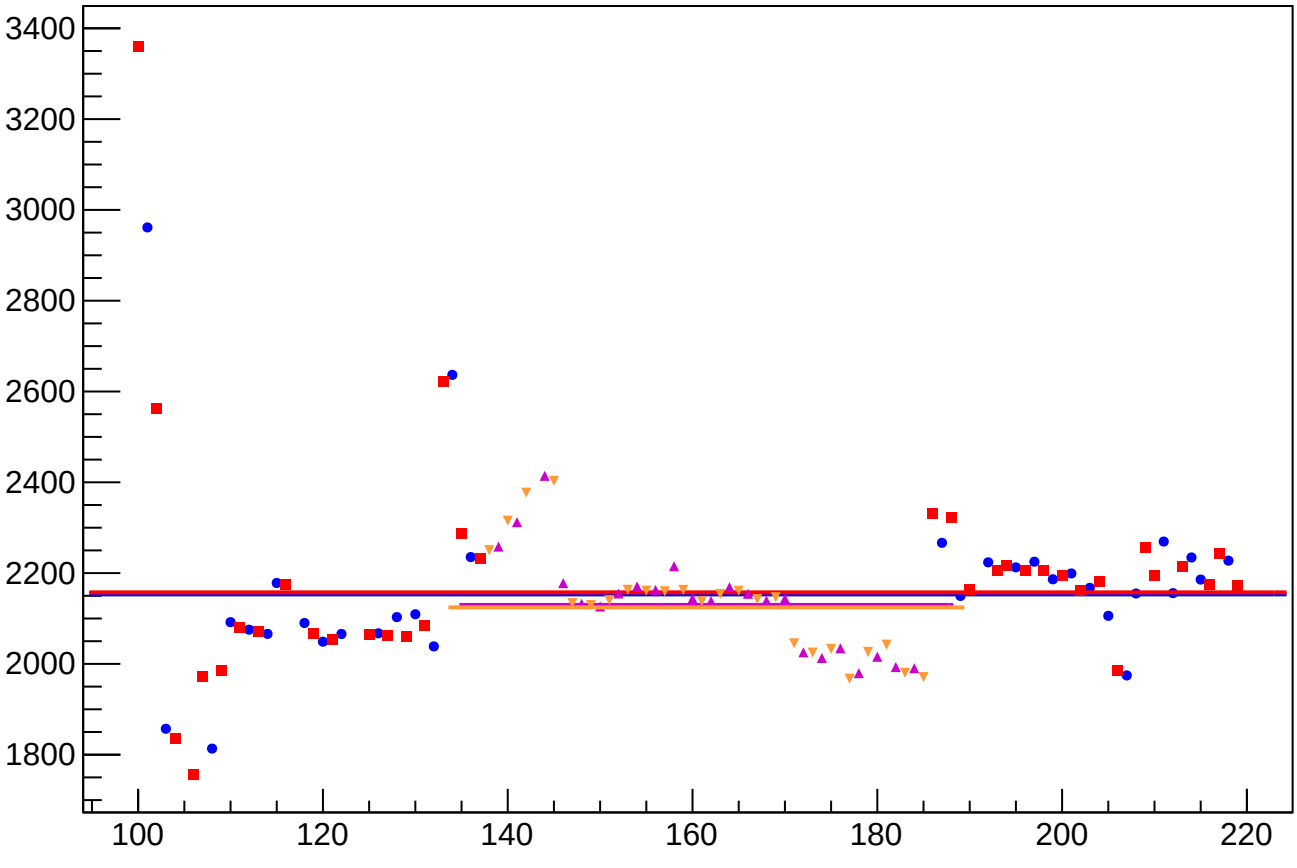
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -141.698+/-336.782 χ^2/NDF: 54.2/66

In: -725.086+/-345.774 χ^2/NDF:38.4/54

Out: 80.945+/-341.205 χ^2/NDF:58.2/58

All: -316.709+/-242.868 χ^2/NDF: 99.4/113



Right In: 2153.111+/-0.340 χ^2/NDF: 225991.3/31

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2157.590+/-0.334 χ^2/NDF: 203263.2/34

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

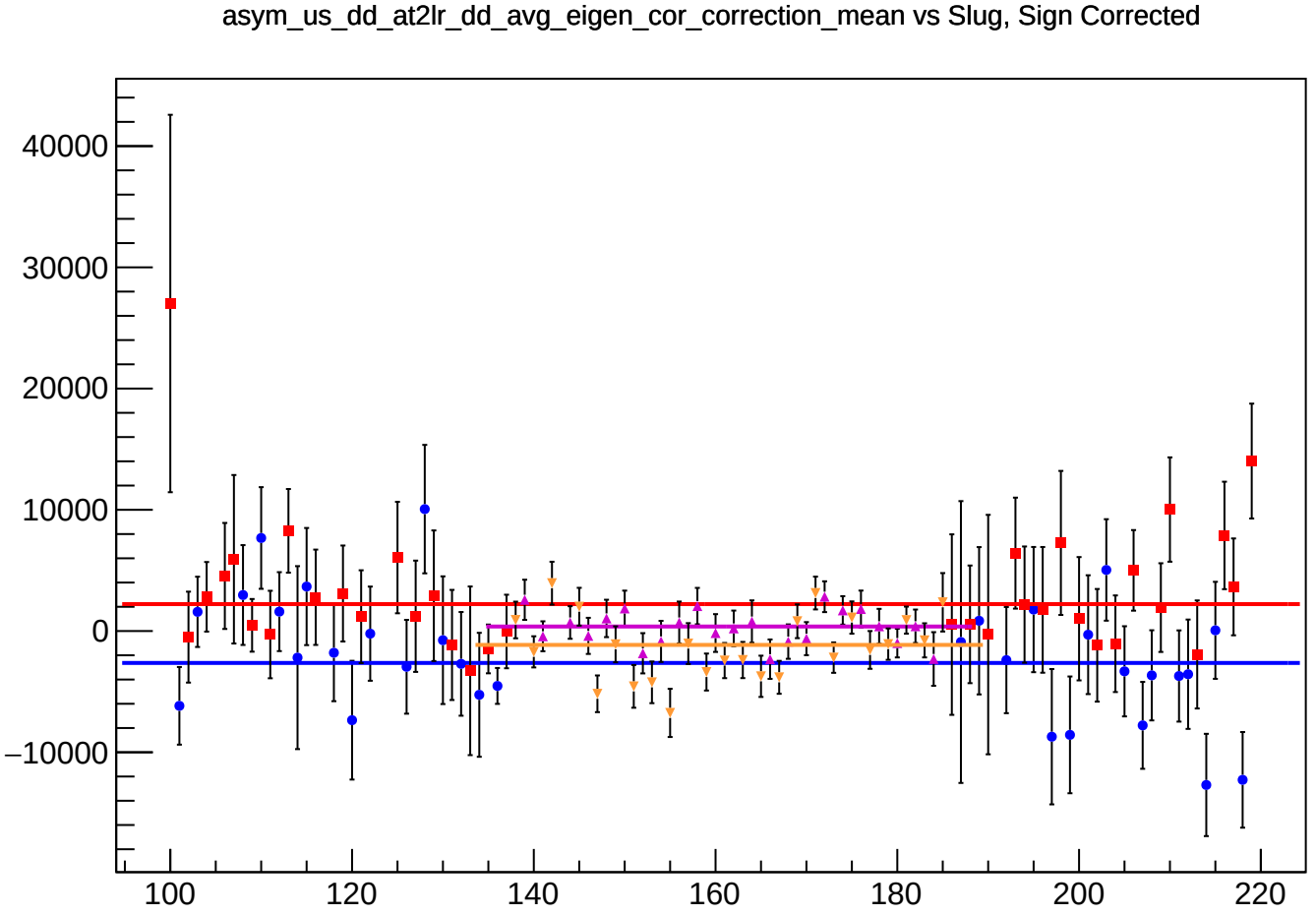
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

Right: 2155.390+/-0.238 χ^2/NDF: 429343.0/66

In: 2141.915+/-0.244 χ^2/NDF:313596.6/54

Out: 2141.754+/-0.241 χ^2/NDF:297158.4/58

All: 2141.833+/-0.172 χ^2/NDF: 610755.3/113



Right In: -2631.645+/-679.021 χ^2/NDF: 45.6/31

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 2220.950+/-674.672 χ^2/NDF: 29.8/34

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

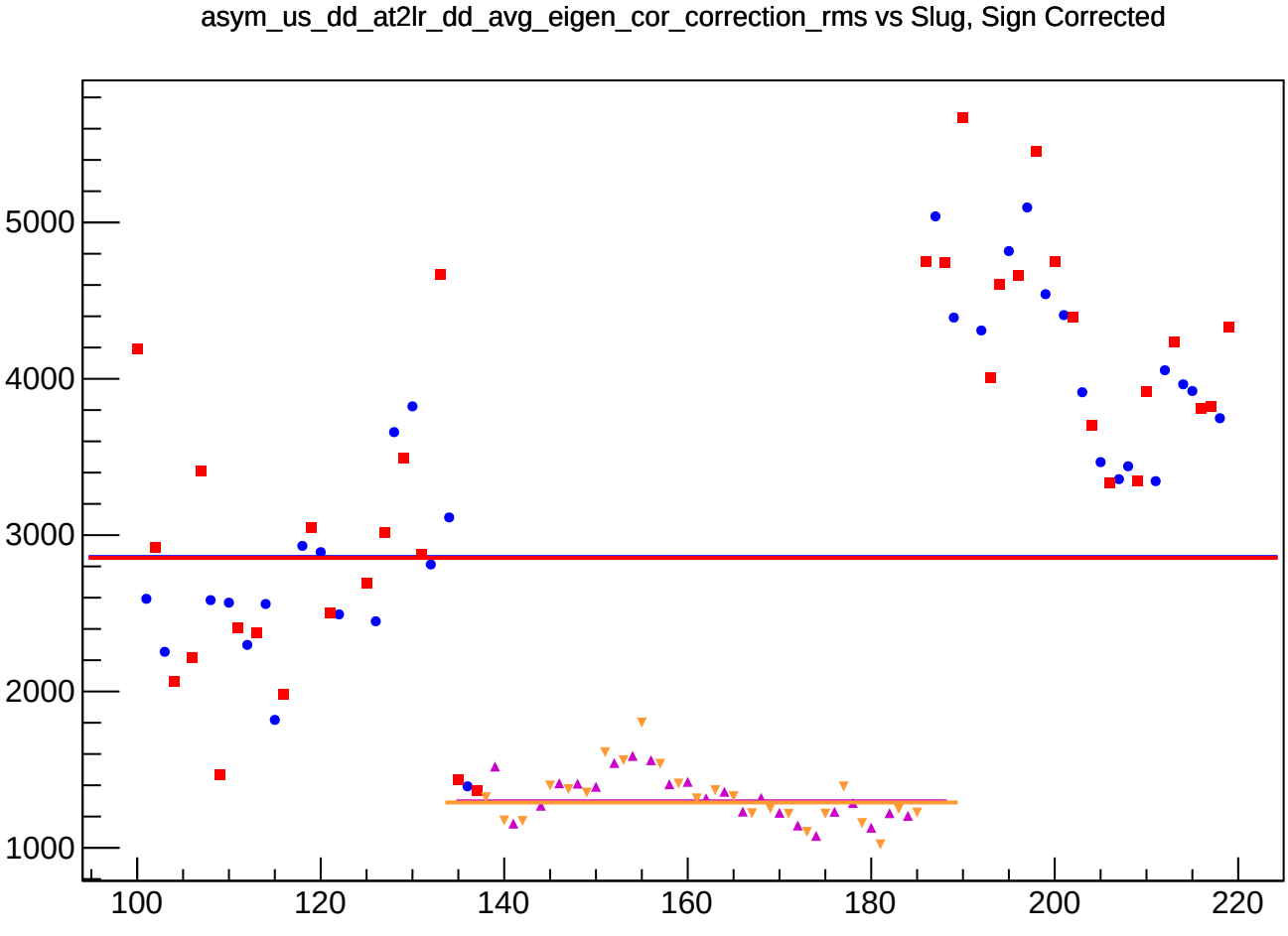
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -189.755+/-478.595 χ^2/NDF: 101.0/66

In: -132.326+/-278.509 χ^2/NDF:82.1/54

Out: -581.444+/-276.017 χ^2/NDF:118.0/58

All: -358.903+/-196.049 χ^2/NDF: 201.5/113



Right In: 2860.029+/-0.480 χ^2/NDF: 4685305.4/31

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2854.373+/-0.477 χ^2/NDF: 5868684.9/34

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

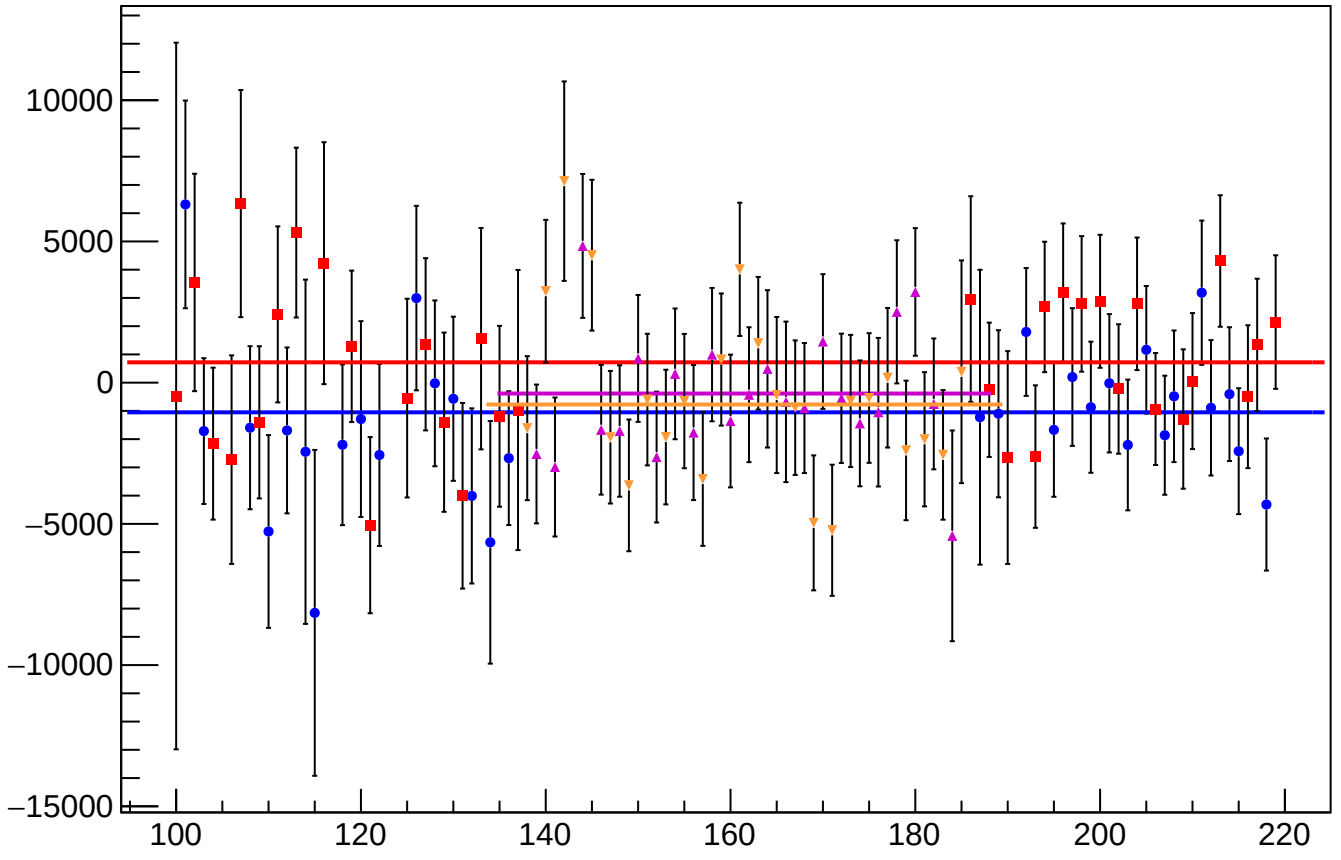
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2857.183+/-0.338 χ^2/NDF: 10554060.1/66

In: 1560.334+/-0.197 χ^2/NDF:13928677.5/54

Out: 1551.869+/-0.195 χ^2/NDF:15389249.0/58

All: 1556.064+/-0.139 χ^2/NDF: 29318858.6/1



Right In: -1050.555+/-482.406 χ^2/NDF: 20.5/31

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: 719.715+/-475.003 χ^2/NDF: 27.0/34

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

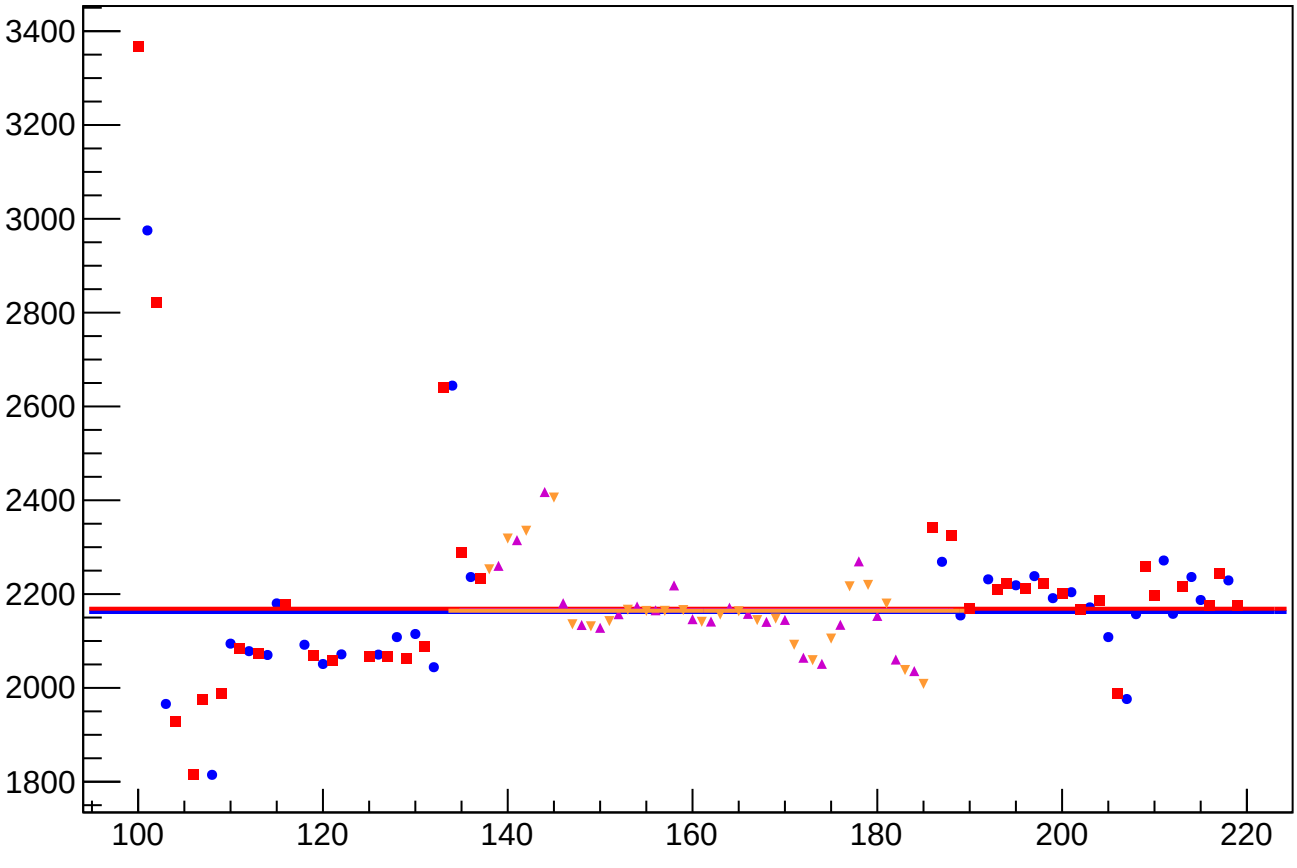
Left: -580.670+/-356.683 χ^2/NDF: 44.5/46

Right: -151.733+/-338.465 χ^2/NDF: 54.3/66

In: -733.818+/-349.173 χ^2/NDF:37.1/54

Out: 15.510+/-345.292 χ^2/NDF:60.2/58

All: -354.967+/-245.519 χ^2/NDF: 99.6/113



Right In: 2161.805+/-0.341 χ^2/NDF: 209922.2/31

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2168.806+/-0.336 χ^2/NDF: 211205.9/34

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

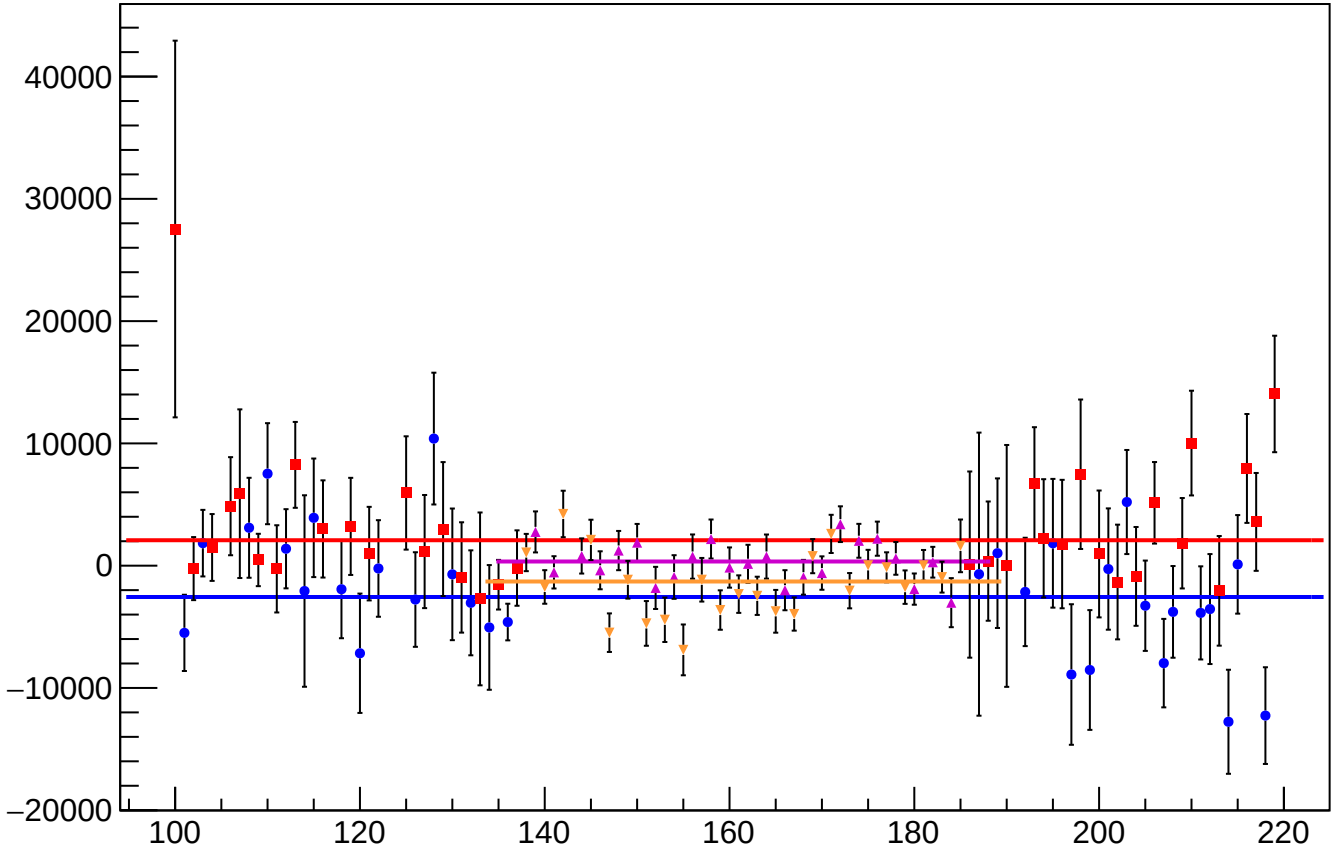
Right: 2165.360+/-0.239 χ^2/NDF: 421342.0/66

In: 2163.632+/-0.247 χ^2/NDF:262106.9/54

Out: 2166.791+/-0.244 χ^2/NDF:261958.6/58

All: 2165.229+/-0.174 χ^2/NDF: 524148.2/113

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -2561.774+/-680.127 χ^2/NDF: 46.0/31

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: 2080.611+/-662.564 χ^2/NDF: 30.6/34

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

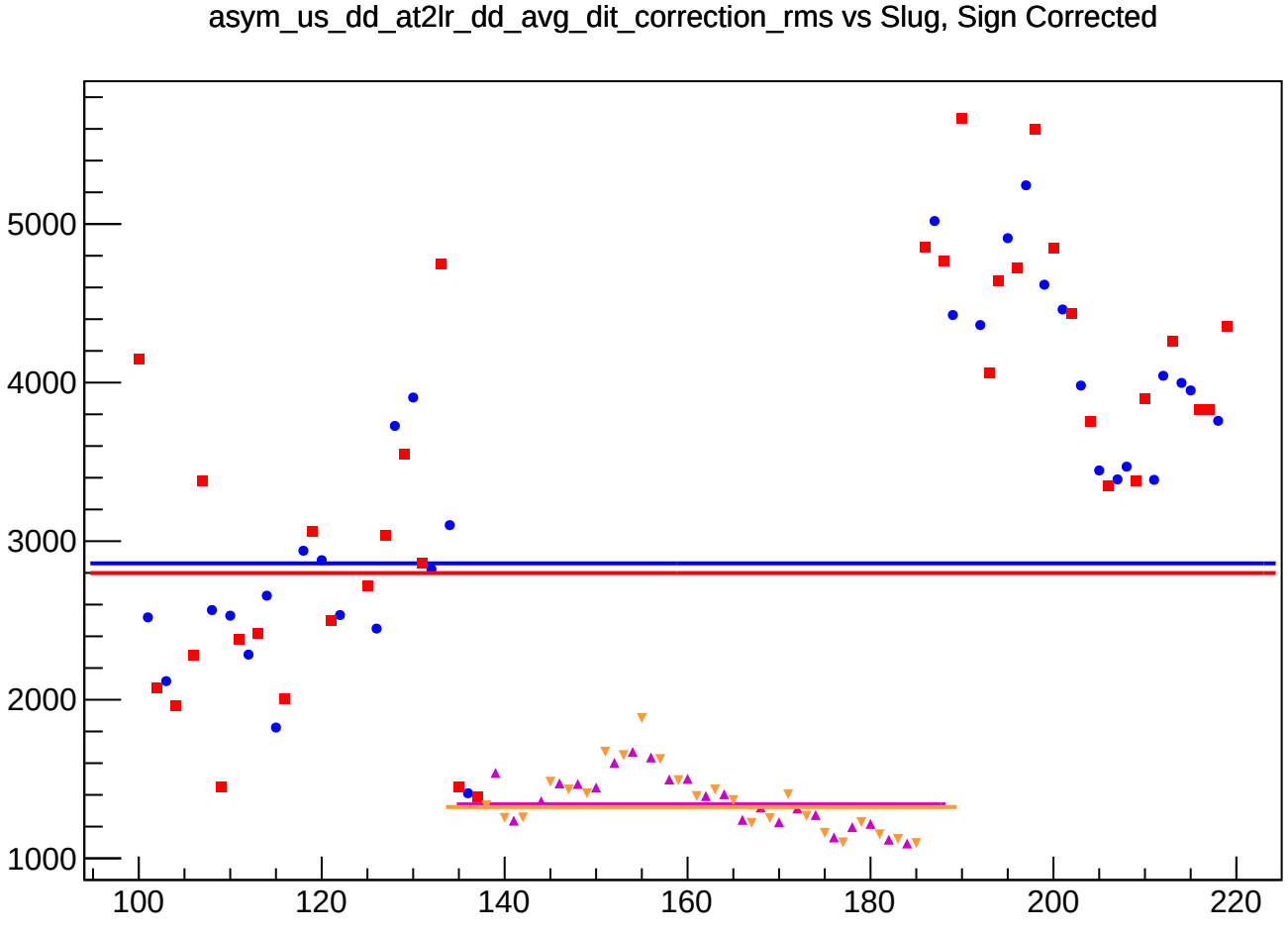
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: -179.870+/-474.591 χ^2/NDF: 100.5/66

In: -172.994+/-286.254 χ^2/NDF:85.8/54

Out: -685.707+/-281.248 χ^2/NDF:110.5/58

All: -433.873+/-200.619 χ^2/NDF: 197.9/113



Right In: 2860.169+/-0.481 χ^2/NDF: 4791933.7/31

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2798.905+/-0.469 χ^2/NDF: 6185567.7/34

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

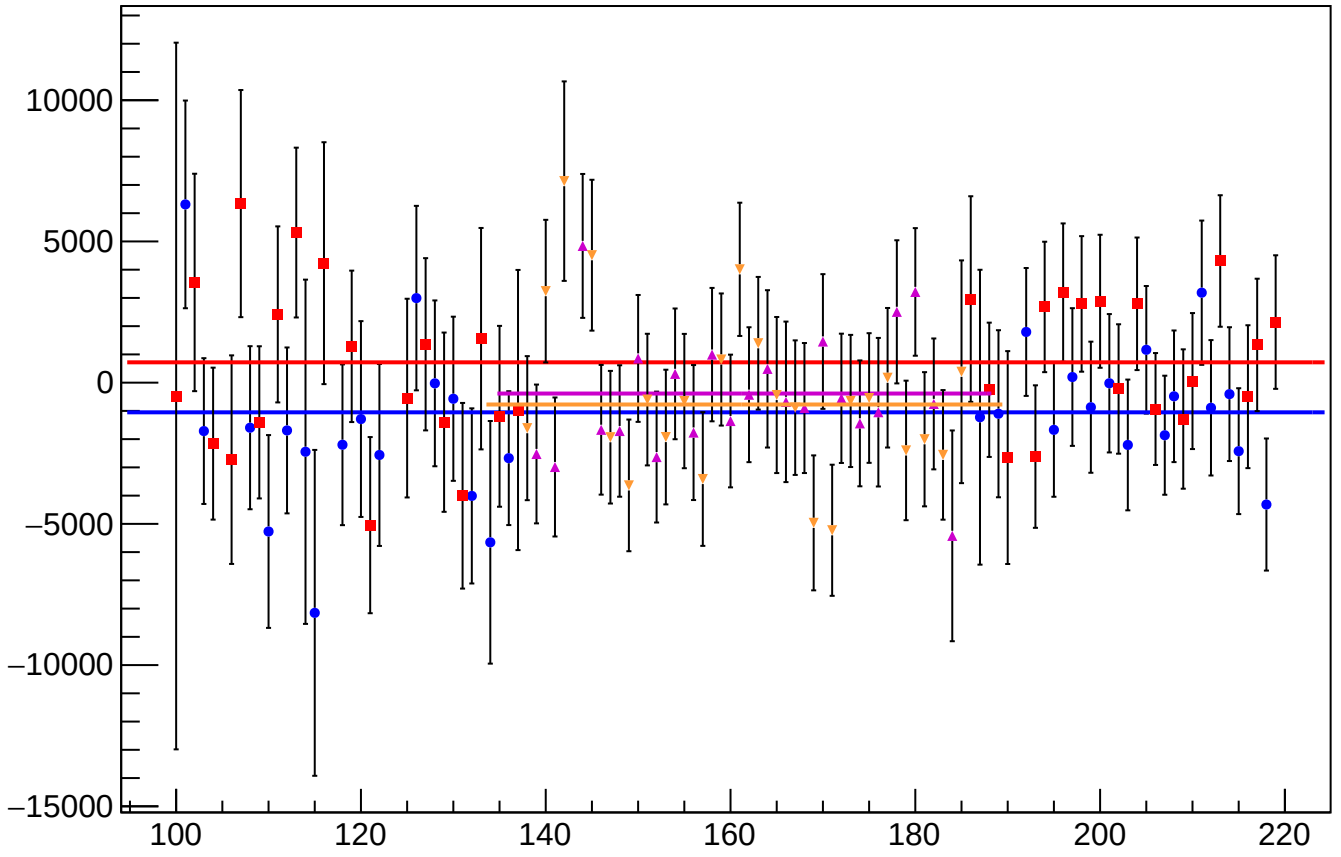
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

Right: 2828.736+/-0.336 χ^2/NDF: 10985827.4/66

In: 1609.357+/-0.202 χ^2/NDF:13506922.6/54

Out: 1589.268+/-0.199 χ^2/NDF:14980896.3/58

All: 1599.136+/-0.142 χ^2/NDF: 28492830.8/1



Right In: -1050.548+/-482.406 χ^2/NDF: 20.5/31

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: 719.707+/-475.003 χ^2/NDF: 27.0/34

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

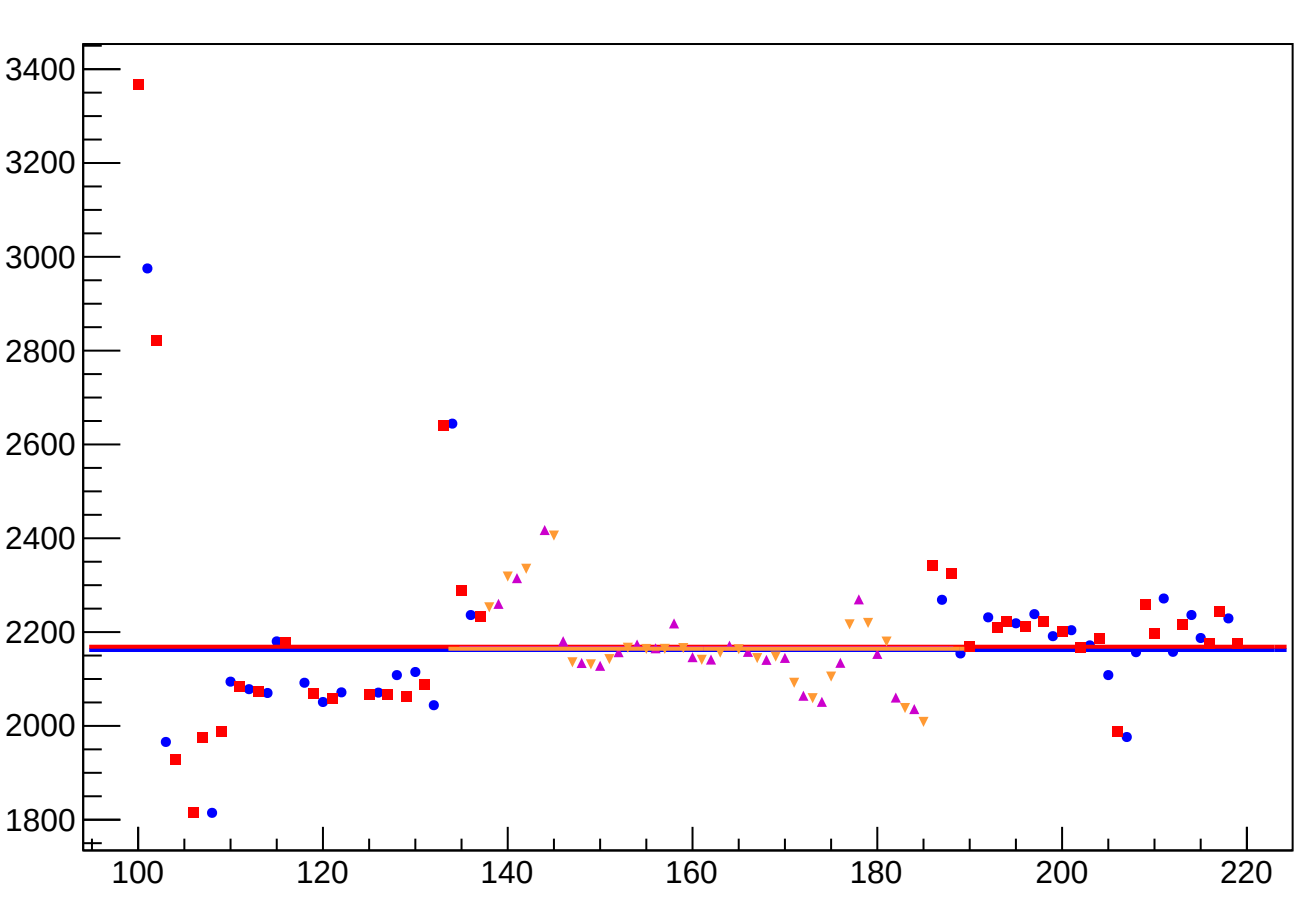
Left: -580.668+/-356.683 χ^2/NDF: 44.5/46

Right: -151.733+/-338.465 χ^2/NDF: 54.3/66

In: -733.814+/-349.173 χ^2/NDF:37.1/54

Out: 15.507+/-345.292 χ^2/NDF:60.2/58

All: -354.966+/-245.519 χ^2/NDF: 99.6/113



Right In: 2161.805+/-0.341 χ^2/NDF: 209922.2/31

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2168.806+/-0.336 χ^2/NDF: 211205.8/34

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

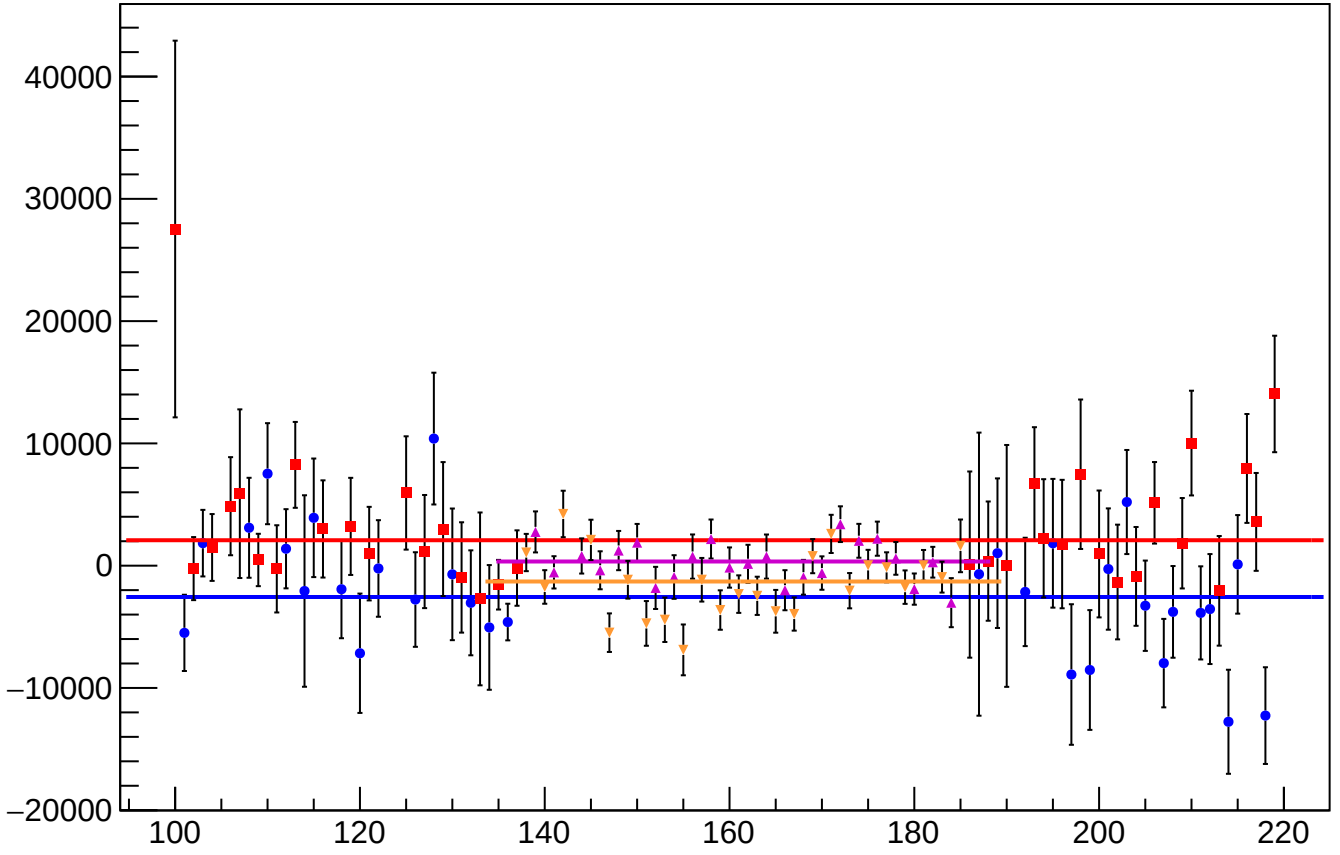
Right: 2165.360+/-0.239 χ^2/NDF: 421341.9/66

In: 2163.632+/-0.247 χ^2/NDF:262106.9/54

Out: 2166.791+/-0.244 χ^2/NDF:261958.5/58

All: 2165.229+/-0.174 χ^2/NDF: 524148.1/113

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2561.772+/-680.128 χ^2/NDF: 46.0/31

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 2080.623+/-662.566 χ^2/NDF: 30.6/34

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

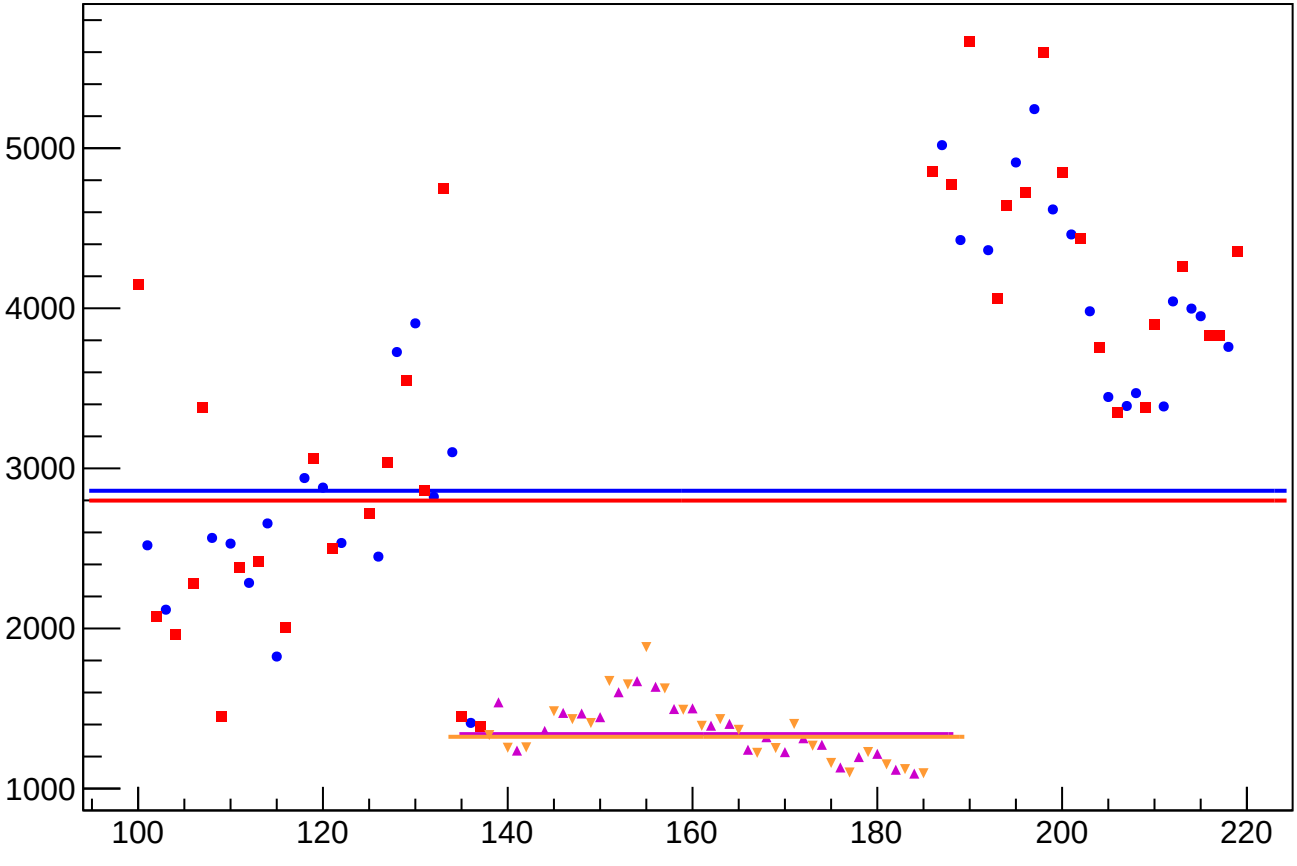
Right: -179.864+/-474.592 χ^2/NDF: 100.5/66

In: -172.994+/-286.254 χ^2/NDF:85.8/54

Out: -685.708+/-281.248 χ^2/NDF:110.5/58

All: -433.873+/-200.619 χ^2/NDF: 197.9/113

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2860.179+/-0.481 χ^2/NDF: 4791820.9/31

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2798.917+/-0.469 χ^2/NDF: 6185462.1/34

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

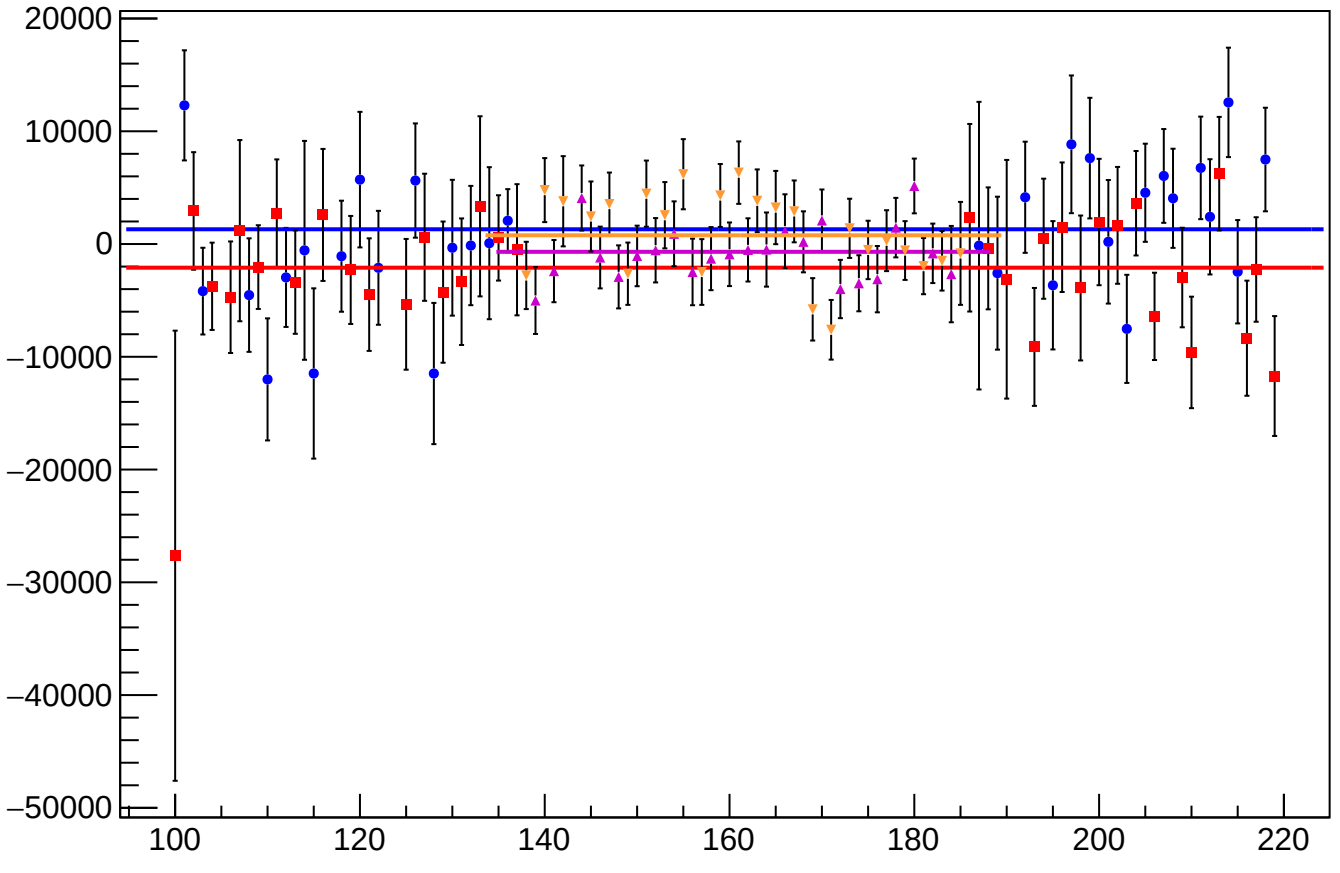
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2828.747+/-0.336 χ^2/NDF: 10985608.6/66

In: 1609.357+/-0.202 χ^2/NDF:13506919.3/54

Out: 1589.269+/-0.199 χ^2/NDF:14980885.3/58

All: 1599.136+/-0.142 χ^2/NDF: 28492815.8/1



Right In: 1308.093+/-886.101 χ^2/NDF: 44.1/31

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -2097.505+/-879.966 χ^2/NDF: 23.5/34

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

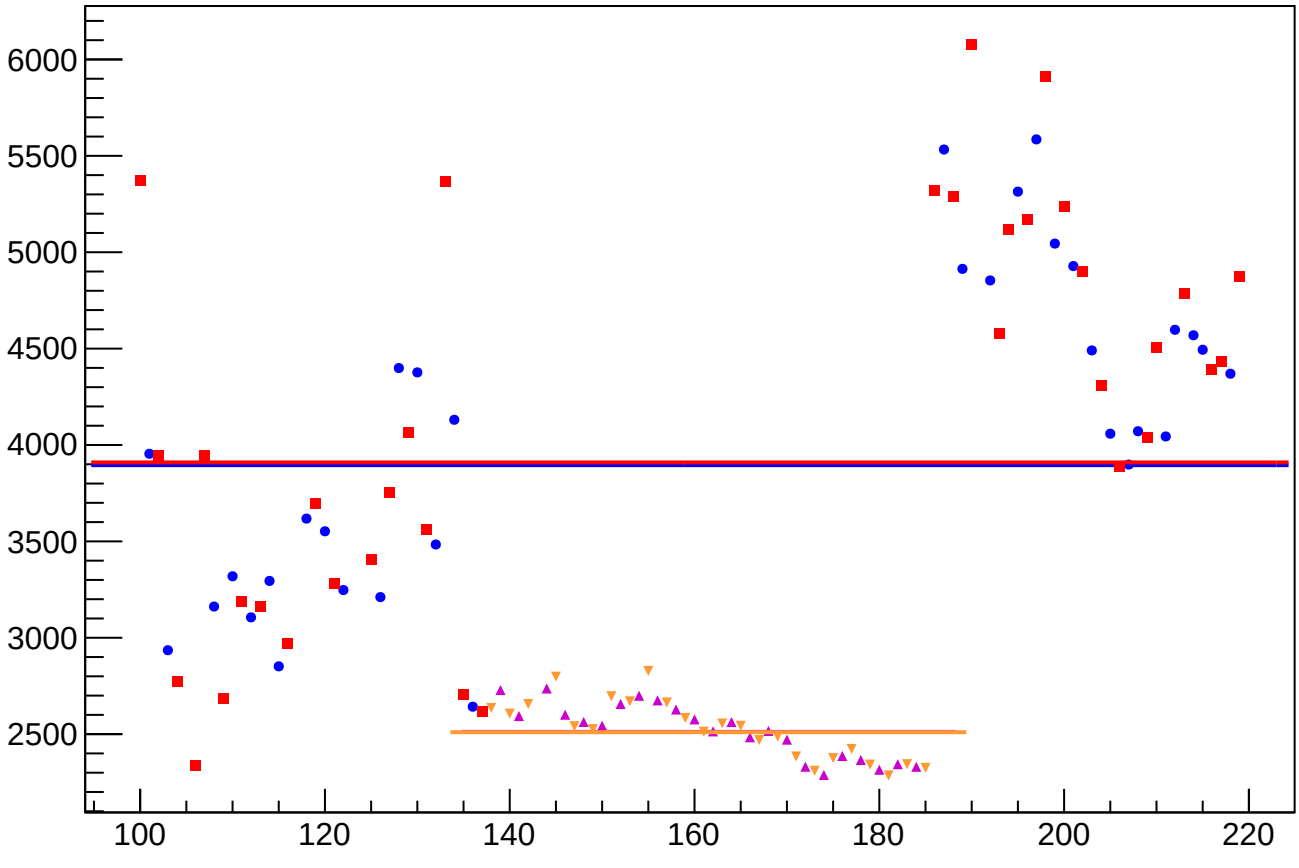
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -406.537+/-624.387 χ^2/NDF: 75.0/66

In: -79.952+/-489.613 χ^2/NDF:66.0/54

Out: -102.835+/-486.413 χ^2/NDF:70.2/58

All: -91.468+/-345.072 χ^2/NDF: 136.2/113



Right In: 3895.417+/-0.627 χ^2/NDF: 1588876.4/31

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3909.722+/-0.622 χ^2/NDF: 2280879.0/34

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

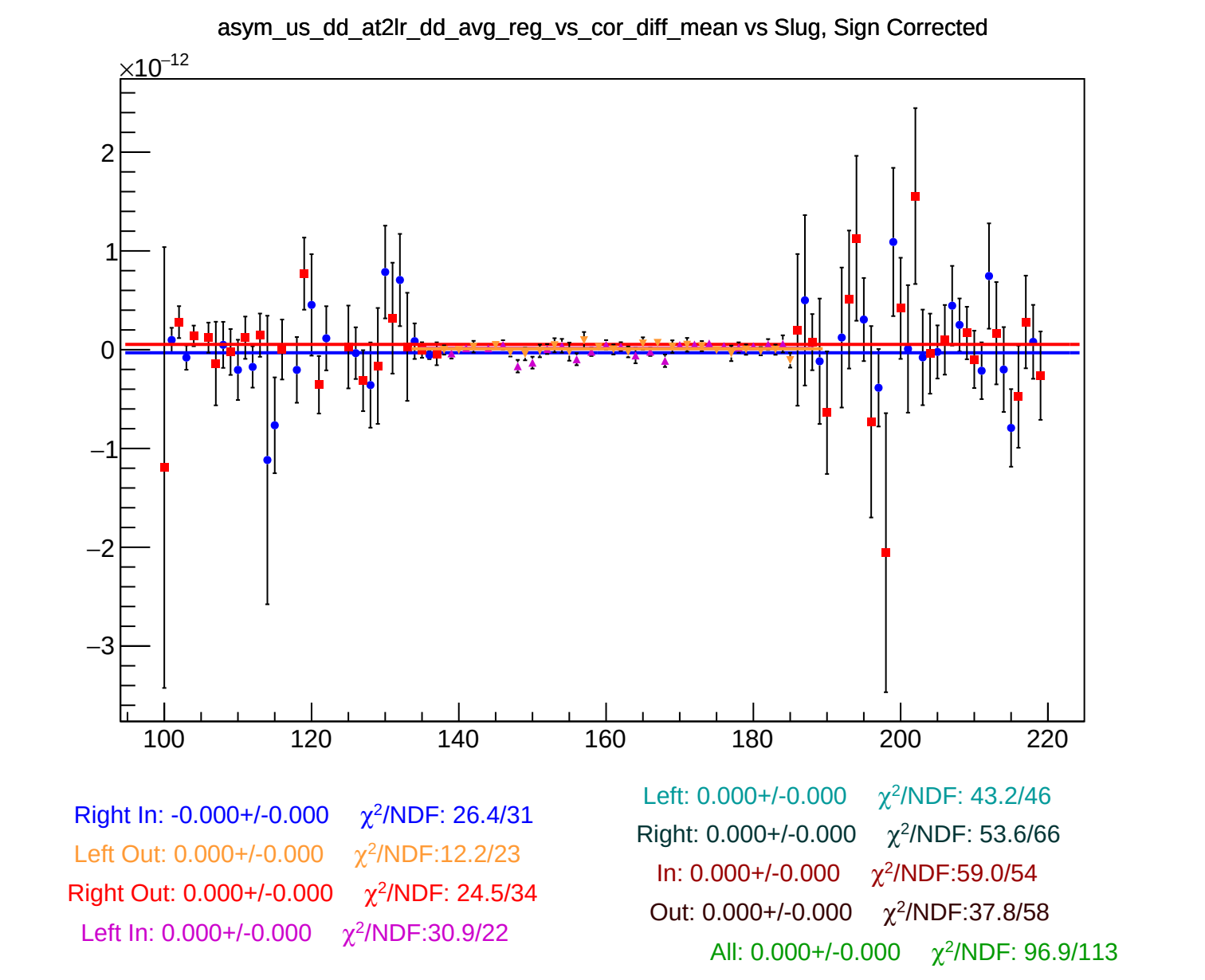
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

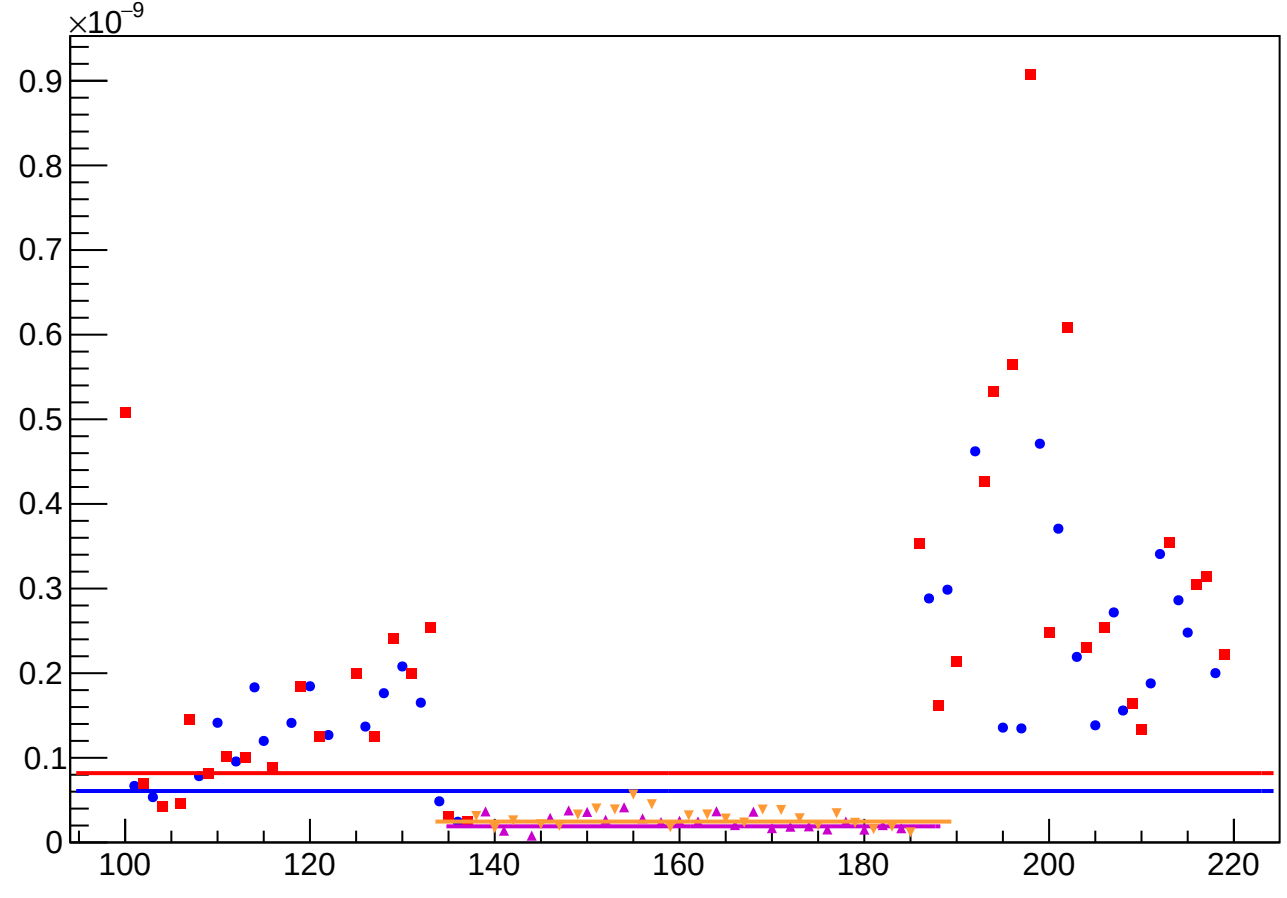
Right: 3902.619+/-0.442 χ^2/NDF: 3870017.8/66

In: 2934.100+/-0.346 χ^2/NDF:5090846.0/54

Out: 2937.734+/-0.344 χ^2/NDF:5923390.0/58

All: 2935.929+/-0.244 χ^2/NDF: 11014291.4/1


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 26.4/31
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 24.5/34
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.2/46
Right: 0.000+/-0.000 χ²/NDF: 53.6/66
In: 0.000+/-0.000 χ²/NDF:59.0/54
Out: 0.000+/-0.000 χ²/NDF:37.8/58
All: 0.000+/-0.000 χ²/NDF: 96.9/113



Right In: 0.000+/-0.000 χ^2/NDF: 8379277.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8984943.3/34

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

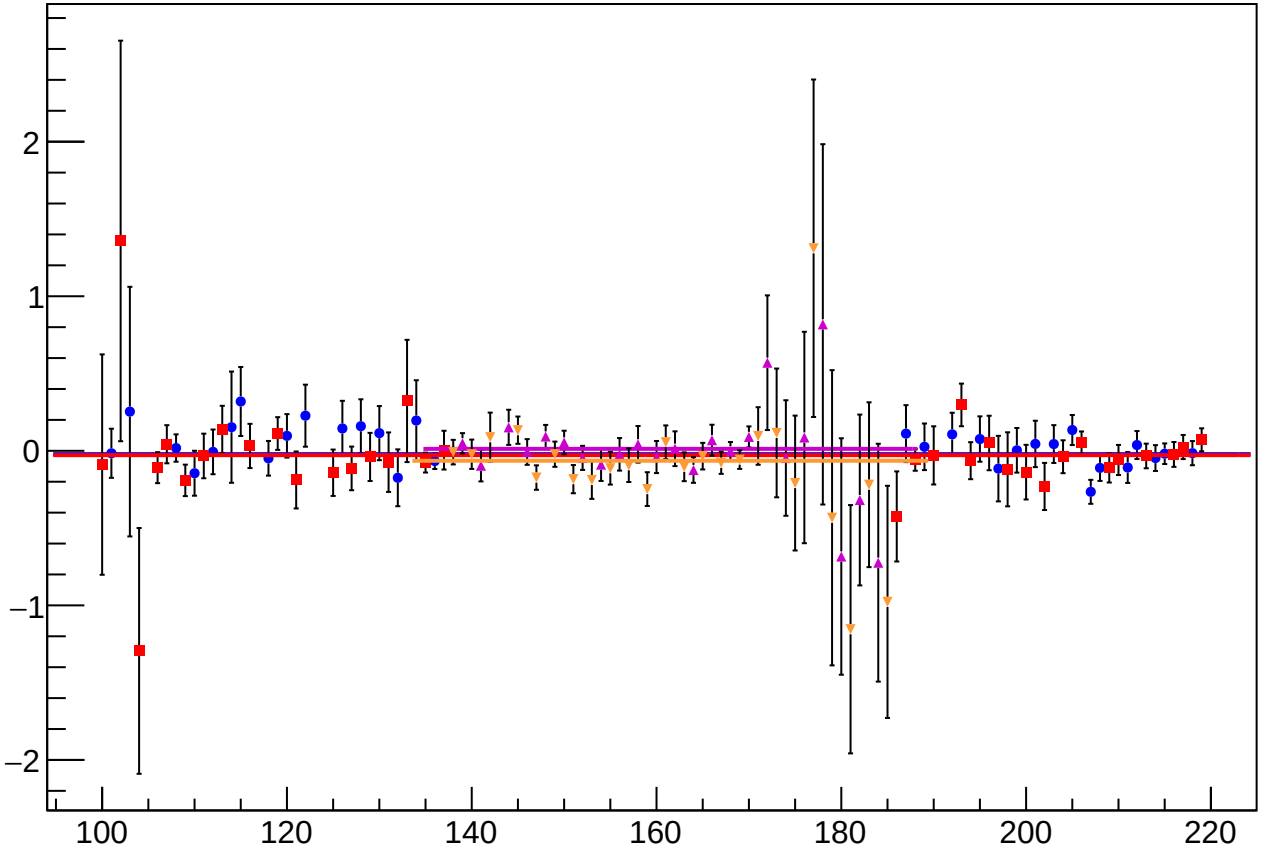
Right: 0.000+/-0.000 χ^2/NDF: 17696339.4/66

In: 0.000+/-0.000 χ^2/NDF:13642081.1/54

Out: 0.000+/-0.000 χ^2/NDF:14200326.3/58

All: 0.000+/-0.000 χ^2/NDF: 28328310.3/113

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.020 χ^2/NDF: 28.1/31

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.028+/-0.019 χ^2/NDF: 28.1/34

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

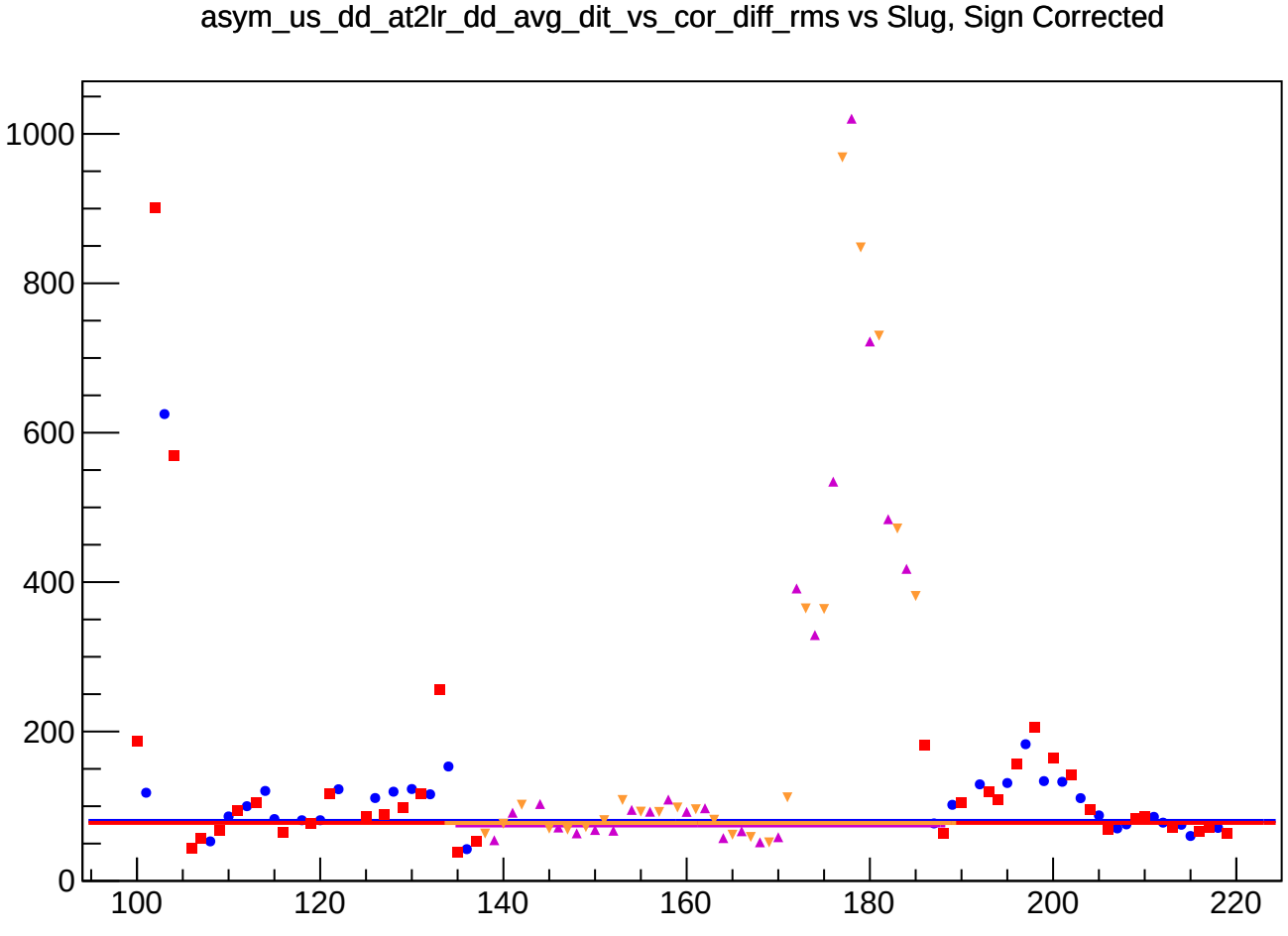
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.025+/-0.014 χ^2/NDF: 56.2/66

In: -0.005+/-0.015 χ^2/NDF:44.5/54

Out: -0.044+/-0.015 χ^2/NDF:51.9/58

All: -0.025+/-0.010 χ^2/NDF: 99.9/113



Right In: 80.324+/-0.014 χ^2/NDF: 4865460.9/31

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 77.711+/-0.014 χ^2/NDF: 6228620.8/34

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

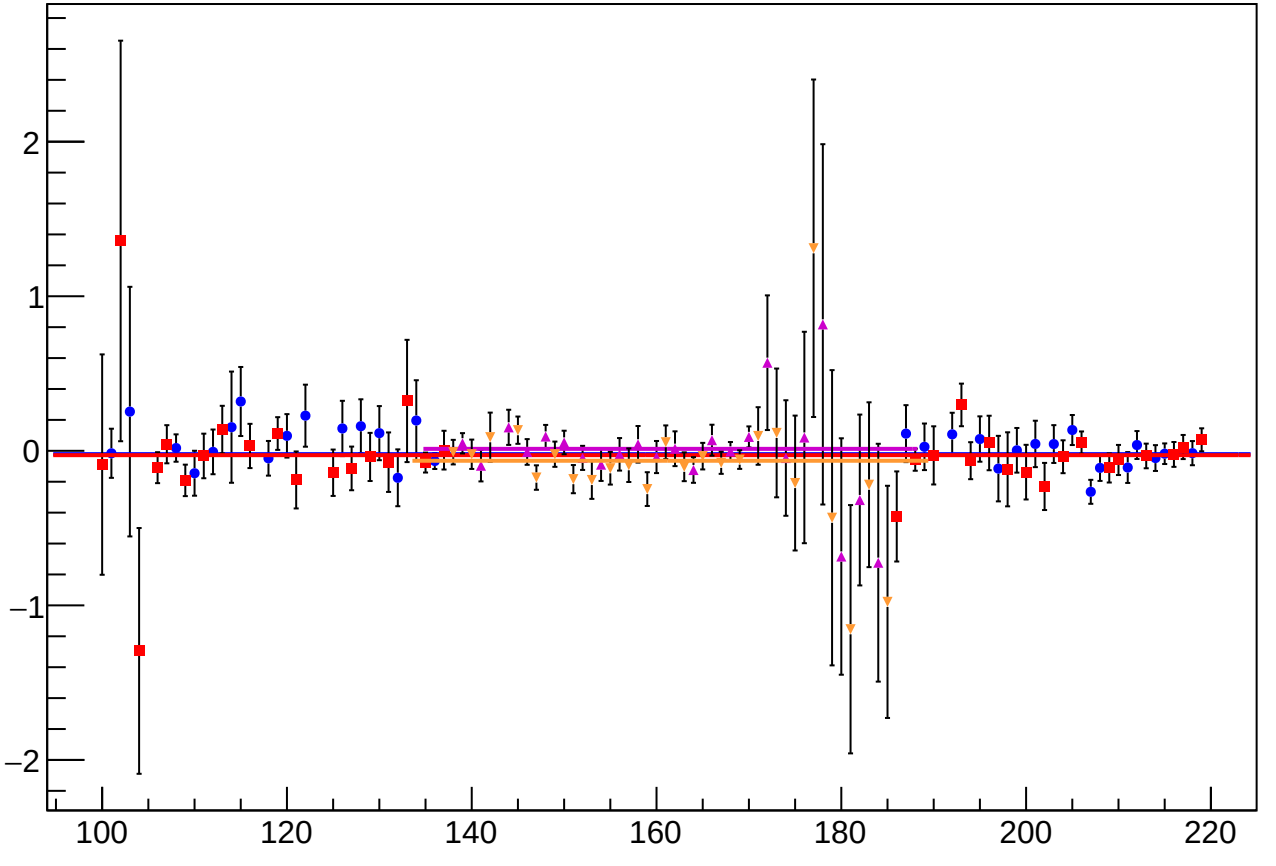
Right: 78.978+/-0.010 χ^2/NDF: 11111548.0/66

In: 77.427+/-0.010 χ^2/NDF:13467432.5/54

Out: 77.633+/-0.010 χ^2/NDF:14559887.6/58

All: 77.530+/-0.007 χ^2/NDF: 28027520.7/113

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.020 χ^2/NDF: 28.1/31

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.028+/-0.019 χ^2/NDF: 28.1/34

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

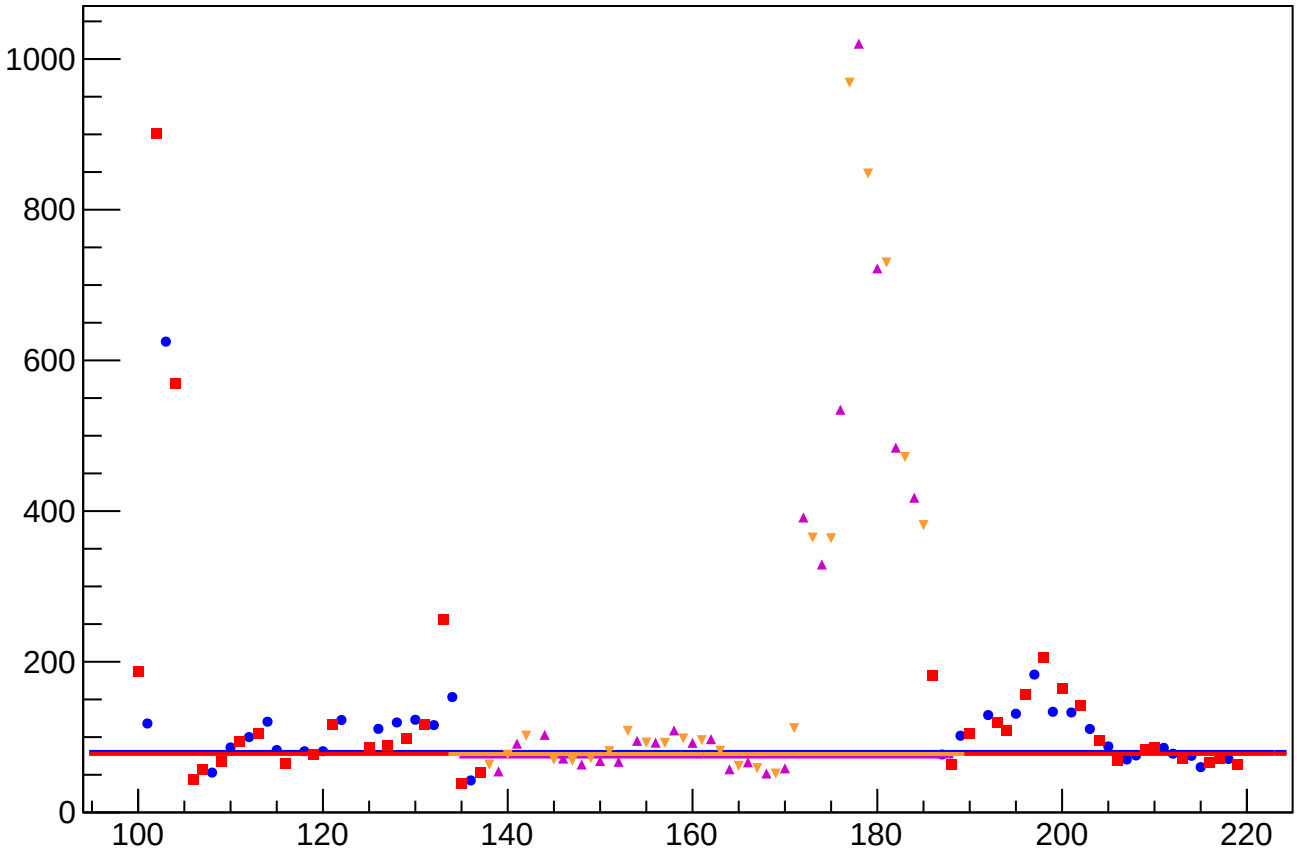
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.025+/-0.014 χ^2/NDF: 56.2/66

In: -0.005+/-0.015 χ^2/NDF:44.5/54

Out: -0.044+/-0.015 χ^2/NDF:51.9/58

All: -0.025+/-0.010 χ^2/NDF: 99.9/113



Right In: 80.324+/-0.014 χ^2/NDF: 4865460.9/31

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 77.711+/-0.014 χ^2/NDF: 6228620.8/34

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

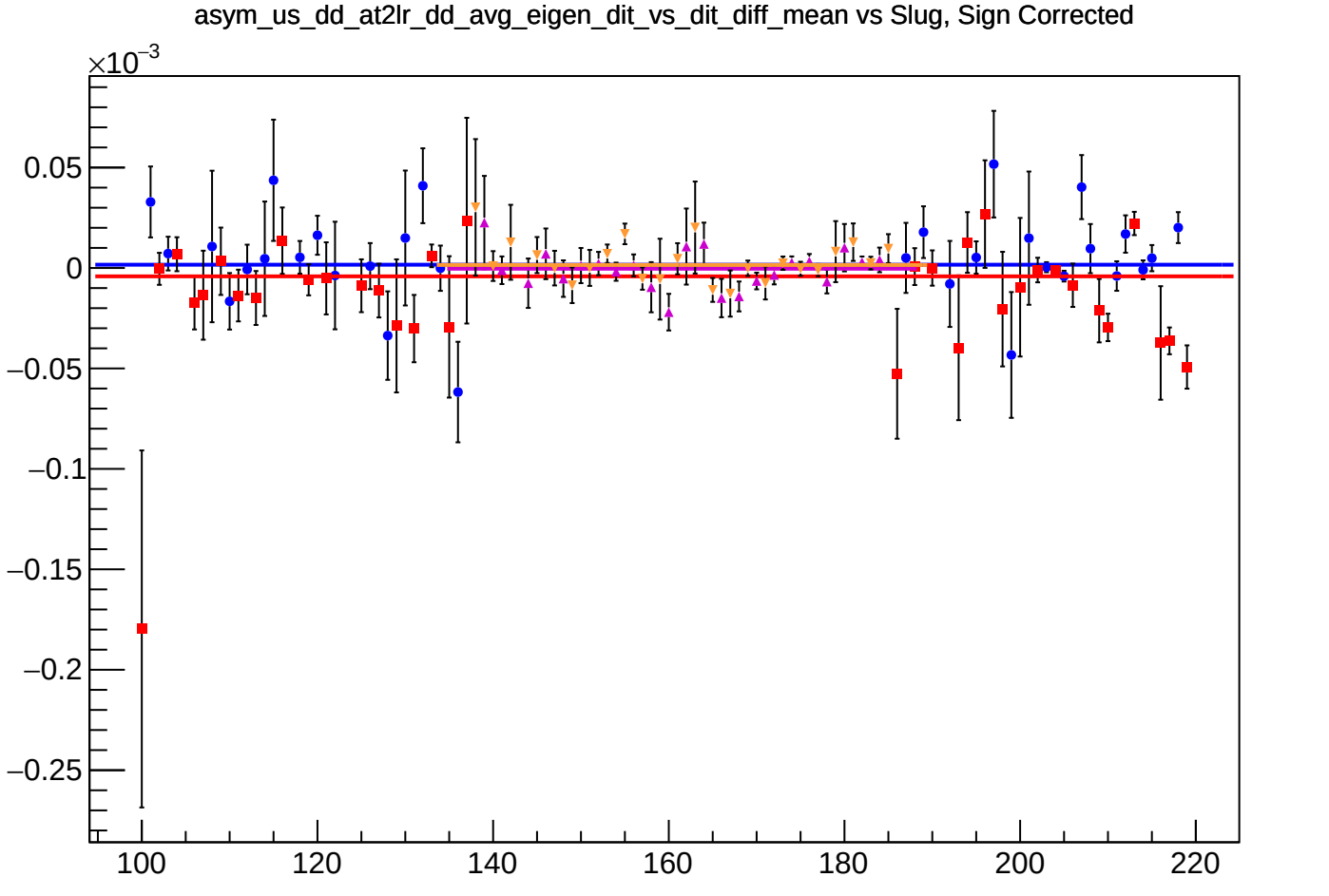
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 78.978+/-0.010 χ^2/NDF: 11111548.0/66

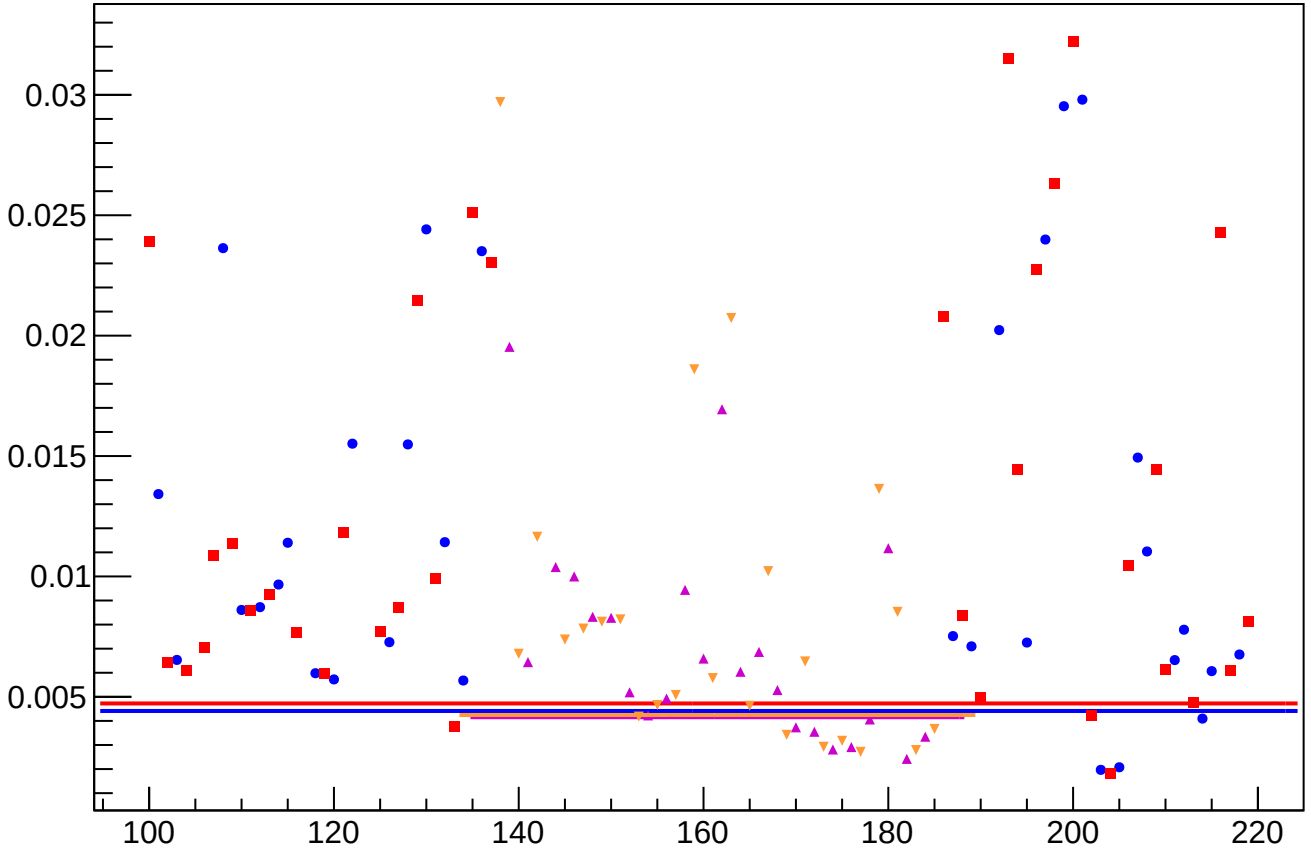
In: 77.427+/-0.010 χ^2/NDF:13467432.5/54

Out: 77.633+/-0.010 χ^2/NDF:14559887.6/58

All: 77.530+/-0.007 χ^2/NDF: 28027520.7/113


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: 51.9/31
Left Out: 0.000+/-0.000 χ²/NDF:27.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 103.7/34
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: 0.000+/-0.000 χ²/NDF: 52.9/46
Right: -0.000+/-0.000 χ²/NDF: 164.3/66
In: 0.000+/-0.000 χ²/NDF:77.7/54
Out: -0.000+/-0.000 χ²/NDF:140.5/58
All: -0.000+/-0.000 χ²/NDF: 219.2/113

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: 15741083.9/31

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.005+/-0.000 χ^2/NDF: 16137553.5/34

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

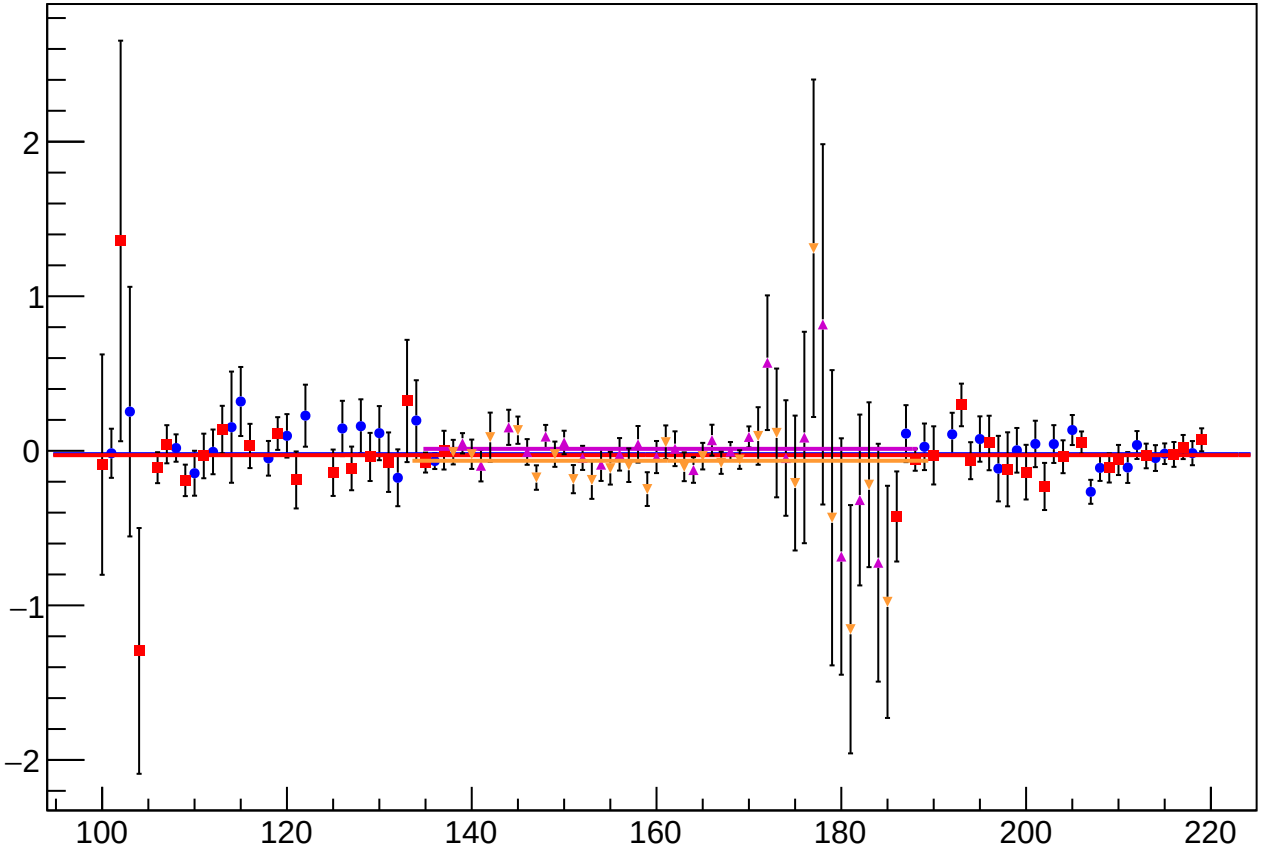
Right: 0.005+/-0.000 χ^2/NDF: 31929738.3/66

In: 0.004+/-0.000 χ^2/NDF:22668932.7/54

Out: 0.004+/-0.000 χ^2/NDF:24927971.4/58

All: 0.004+/-0.000 χ^2/NDF: 47634815.6/113

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.020 χ^2/NDF: 28.1/31

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.028+/-0.019 χ^2/NDF: 28.1/34

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

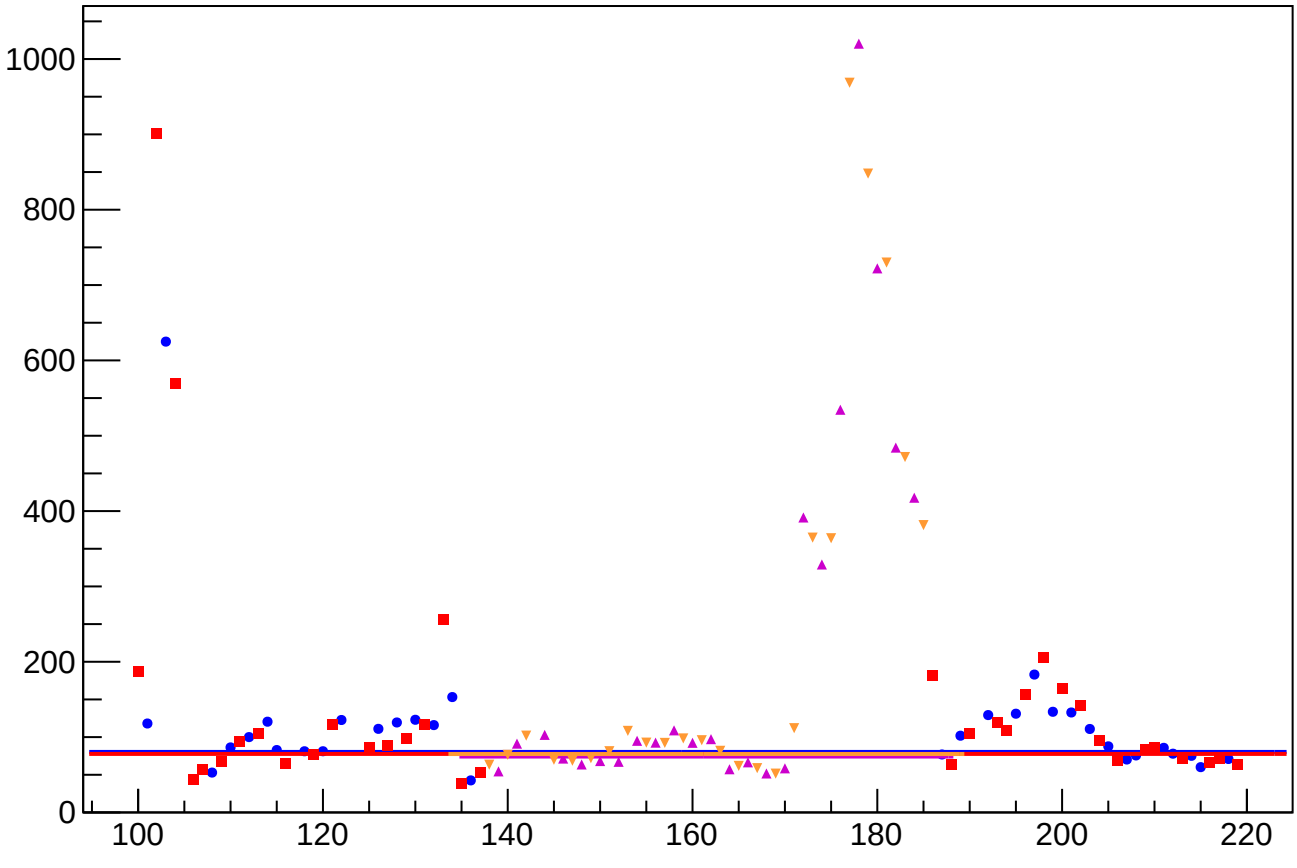
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.025+/-0.014 χ^2/NDF: 56.2/66

In: -0.005+/-0.015 χ^2/NDF:44.5/54

Out: -0.044+/-0.015 χ^2/NDF:51.9/58

All: -0.025+/-0.010 χ^2/NDF: 99.9/113



Right In: 80.334+/-0.014 χ^2/NDF: 4862553.3/31

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 77.707+/-0.014 χ^2/NDF: 6230043.8/34

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

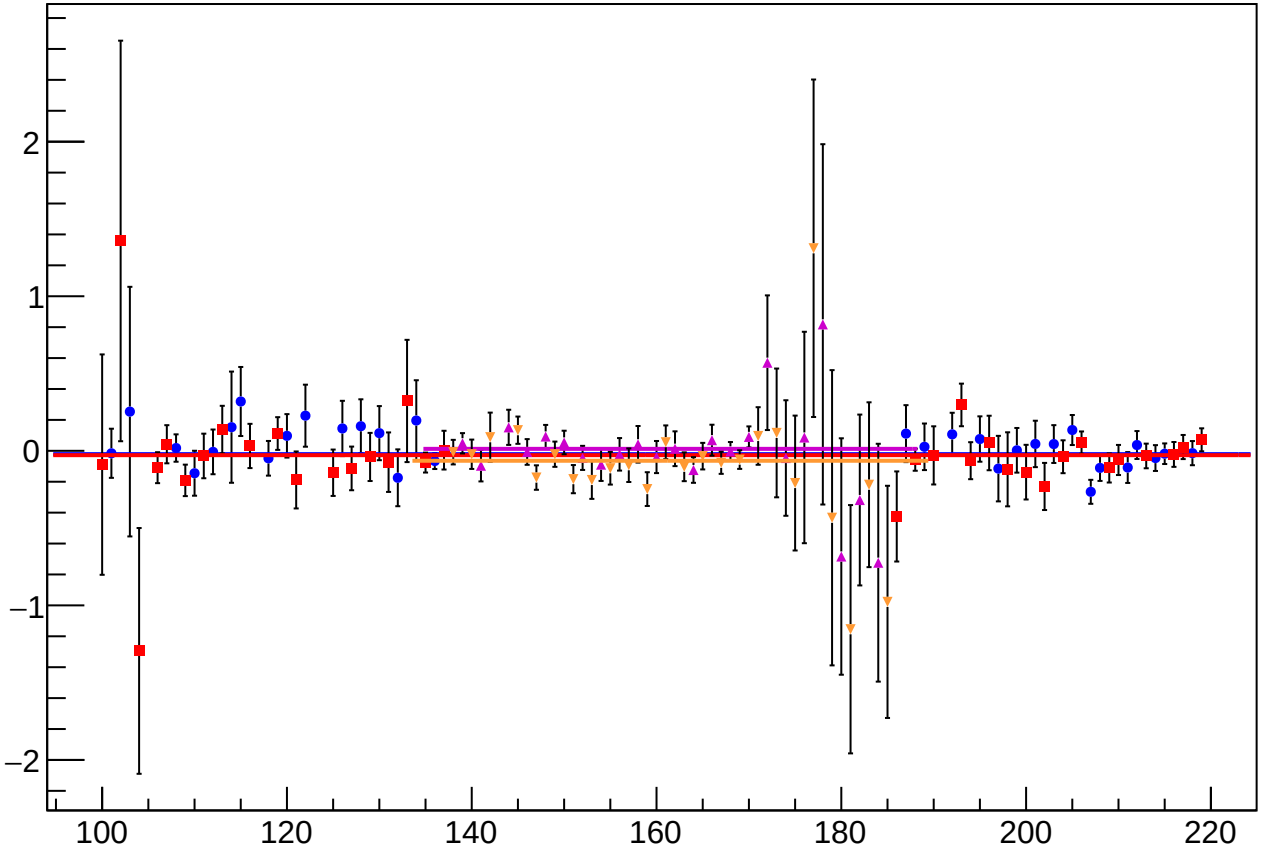
Right: 78.981+/-0.010 χ^2/NDF: 11110254.7/66

In: 77.432+/-0.010 χ^2/NDF:13464480.7/54

Out: 77.631+/-0.010 χ^2/NDF:14561220.1/58

All: 77.531+/-0.007 χ^2/NDF: 28025885.7/113

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.020 χ^2/NDF: 28.1/31

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.028+/-0.019 χ^2/NDF: 28.1/34

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

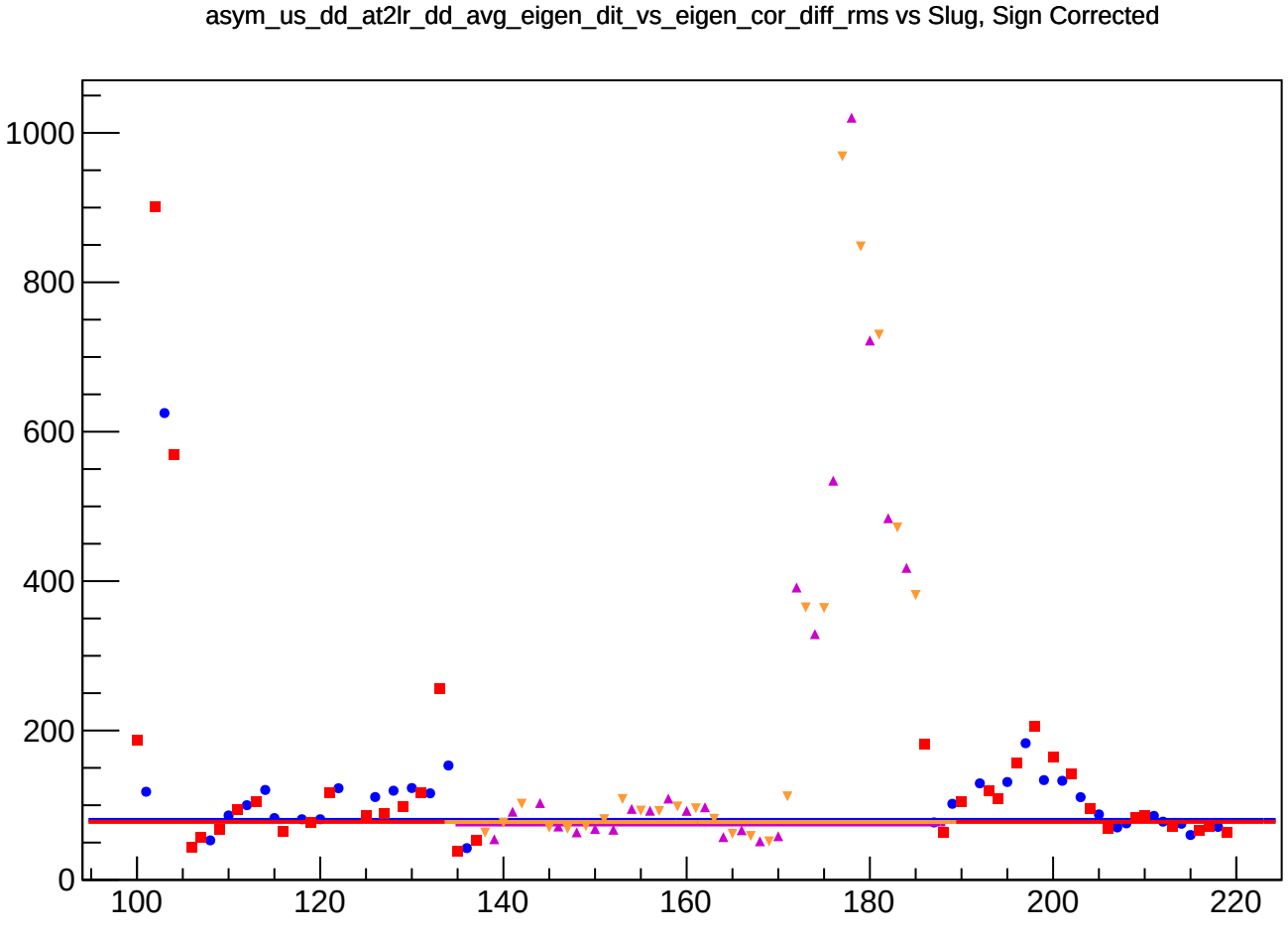
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.025+/-0.014 χ^2/NDF: 56.2/66

In: -0.005+/-0.015 χ^2/NDF:44.5/54

Out: -0.044+/-0.015 χ^2/NDF:51.9/58

All: -0.025+/-0.010 χ^2/NDF: 99.9/113



Right In: 80.334+/-0.014 χ^2/NDF: 4862553.3/31

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 77.707+/-0.014 χ^2/NDF: 6230043.8/34

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

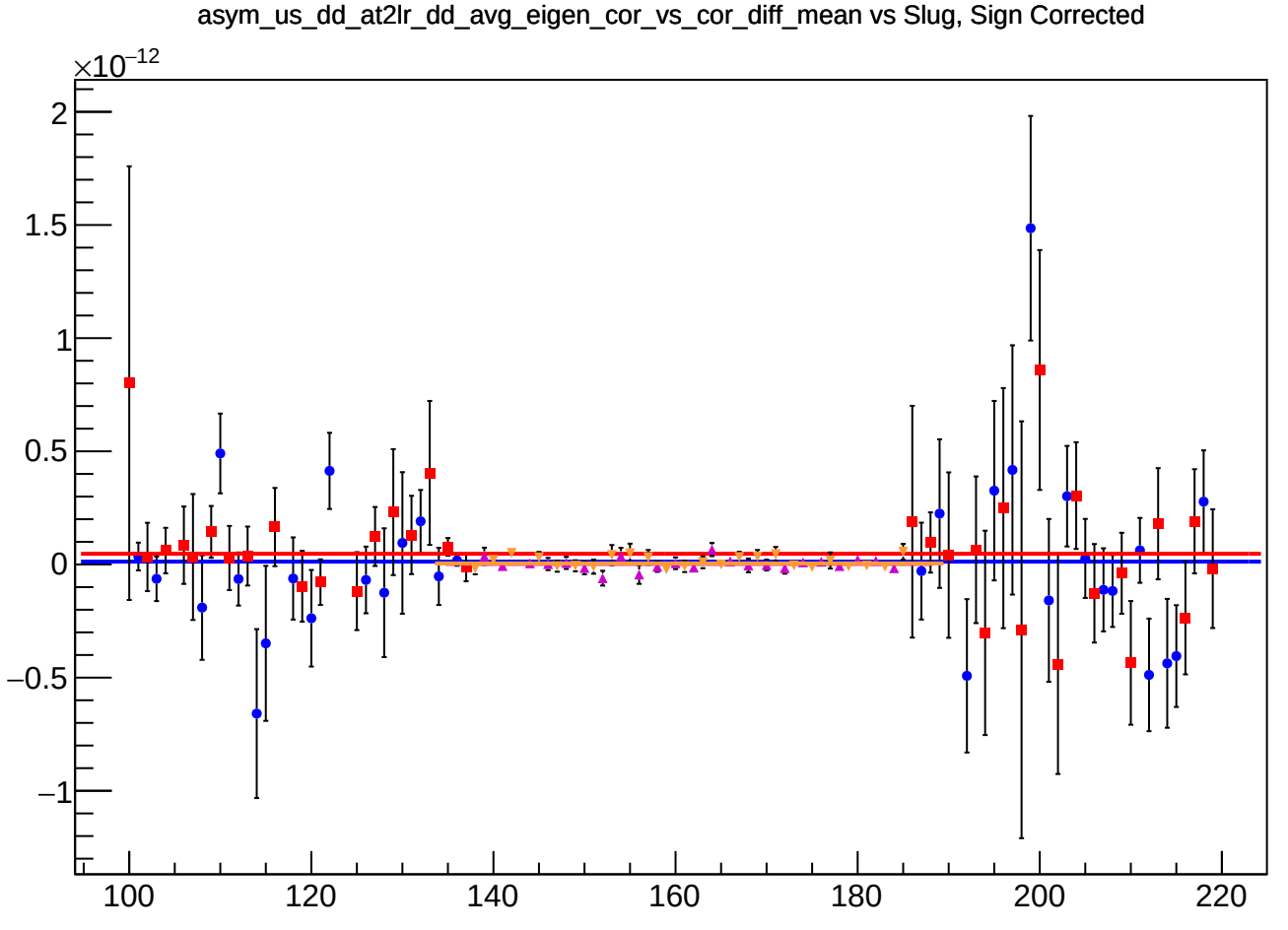
Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

Right: 78.981+/-0.010 χ^2/NDF: 11110254.7/66

In: 77.432+/-0.010 χ^2/NDF:13464480.7/54

Out: 77.631+/-0.010 χ^2/NDF:14561220.1/58

All: 77.531+/-0.007 χ^2/NDF: 28025885.7/113



Right In: 0.000+/-0.000 χ^2/NDF: 50.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/34

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

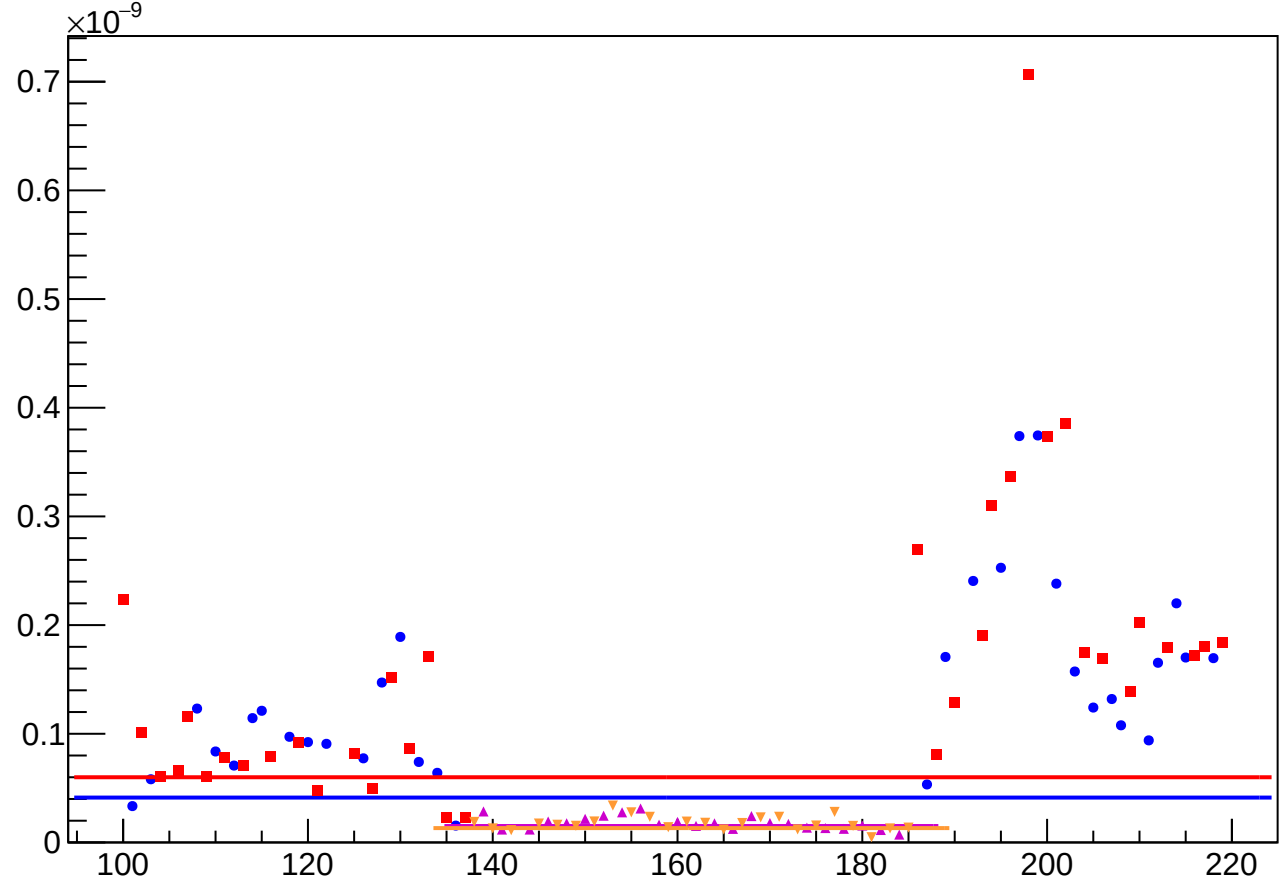
Right: 0.000+/-0.000 χ^2/NDF: 72.8/66

In: 0.000+/-0.000 χ^2/NDF:68.4/54

Out: 0.000+/-0.000 χ^2/NDF:45.7/58

All: 0.000+/-0.000 χ^2/NDF: 114.4/113

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: 13280001.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11900325.1/34

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

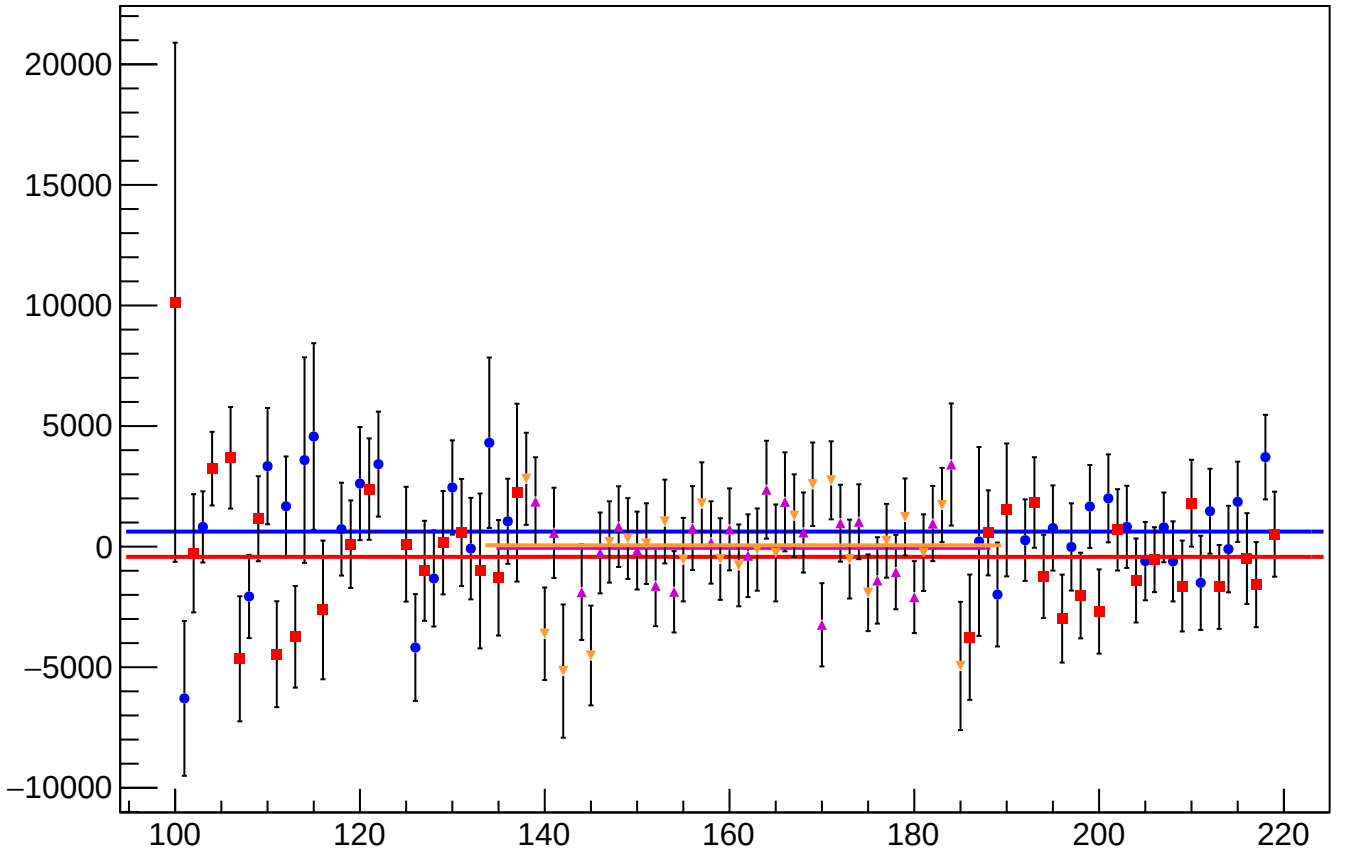
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

Right: 0.000+/-0.000 χ^2/NDF: 25982975.1/66

In: 0.000+/-0.000 χ^2/NDF:19255485.4/54

Out: 0.000+/-0.000 χ^2/NDF:24050063.3/58

All: 0.000+/-0.000 χ^2/NDF: 43495666.3/113



Right In: 624.143+/-343.588 χ^2/NDF: 29.3/31

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: -423.687+/-337.052 χ^2/NDF: 35.9/34

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

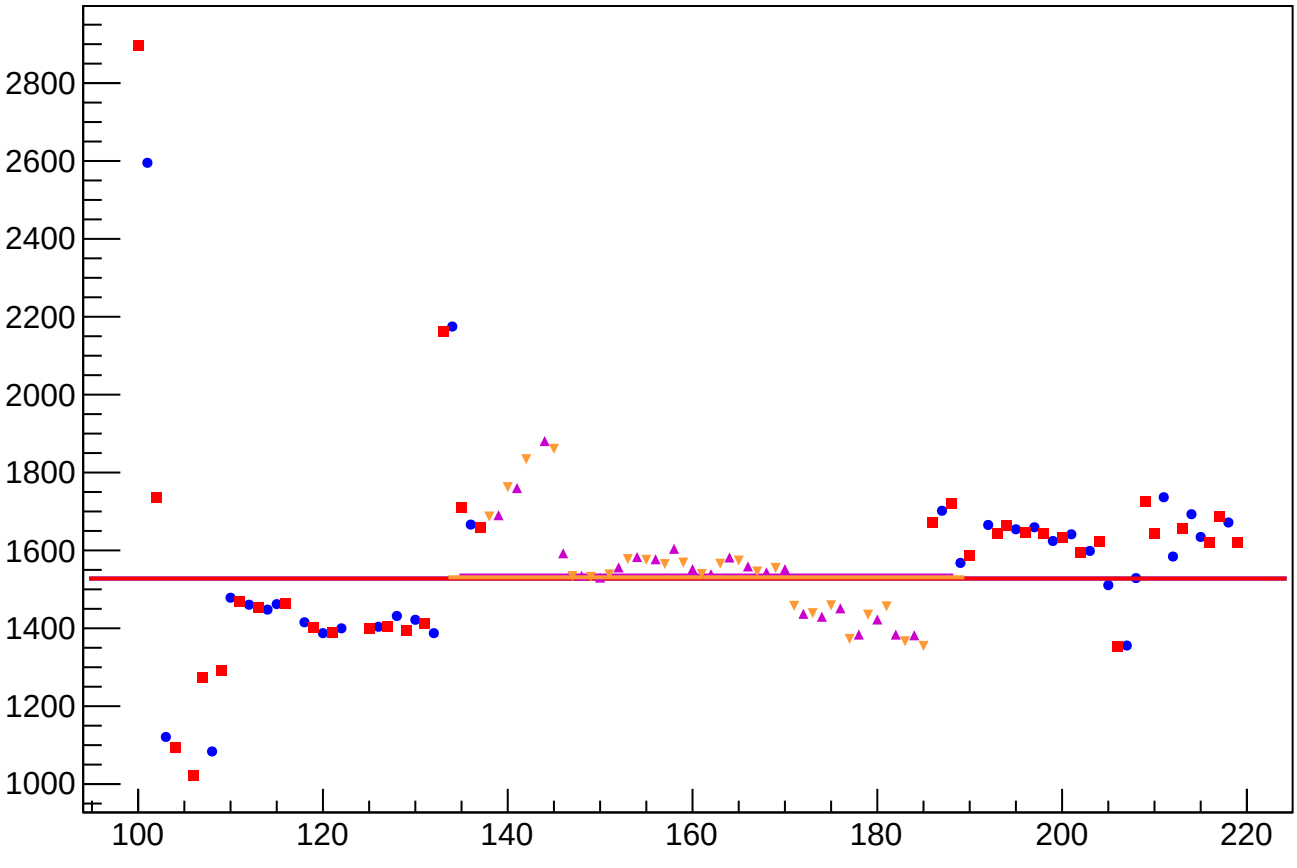
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 90.166+/-240.609 χ^2/NDF: 69.9/66

In: 303.219+/-248.398 χ^2/NDF:47.9/54

Out: -197.781+/-244.878 χ^2/NDF:65.3/58

All: 49.144+/-174.386 χ^2/NDF: 115.3/113



Right In: 1527.844+/-0.243 χ^2/NDF: 784628.6/31

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1527.739+/-0.238 χ^2/NDF: 706873.0/34

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

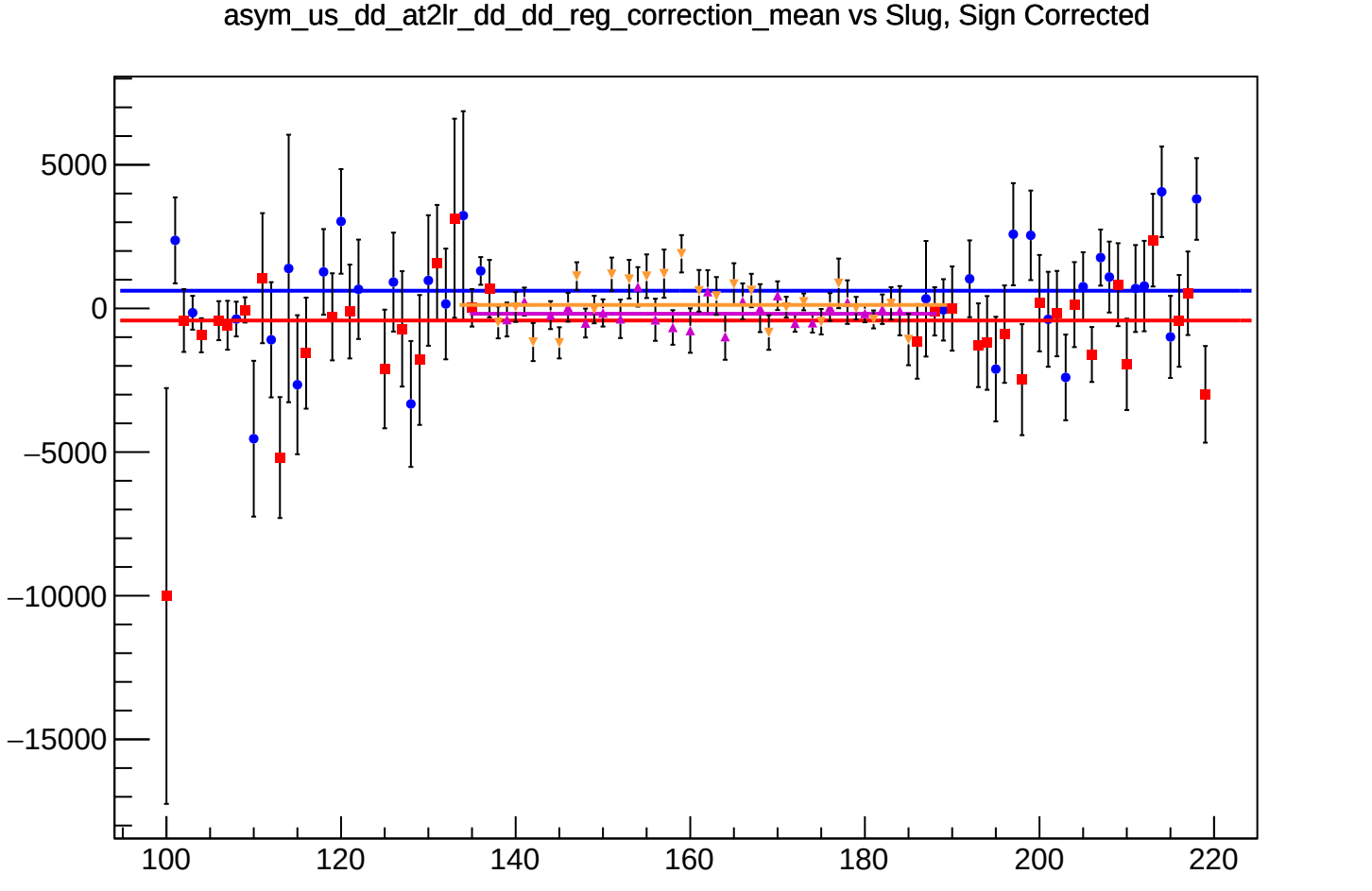
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1527.791+/-0.170 χ^2/NDF: 1491501.6/66

In: 1531.523+/-0.176 χ^2/NDF:977541.5/54

Out: 1529.267+/-0.173 χ^2/NDF:910499.8/58

All: 1530.379+/-0.123 χ^2/NDF: 1888125.0/11



Right In: 615.815+/-216.736 χ^2/NDF: 42.4/31

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -420.401+/-192.191 χ^2/NDF: 25.6/34

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

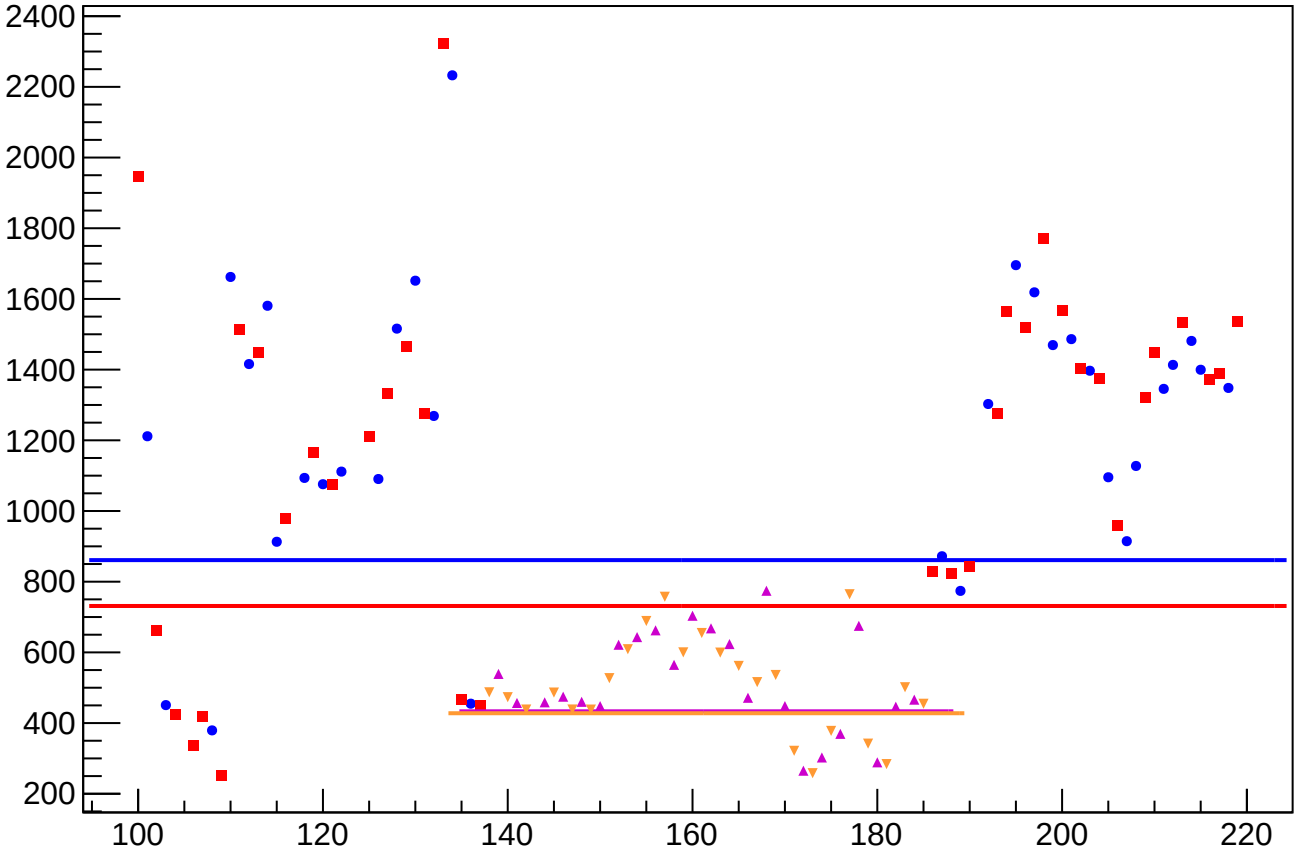
Right: 35.735+/-143.798 χ^2/NDF: 80.8/66

In: -29.595+/-95.927 χ^2/NDF:65.0/54

Out: -3.307+/-92.185 χ^2/NDF:75.4/58

All: -15.929+/-66.468 χ^2/NDF: 140.4/113

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 861.033+/-0.153 χ^2/NDF: 8412267.7/31

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 731.276+/-0.136 χ^2/NDF: 11944672.6/34

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

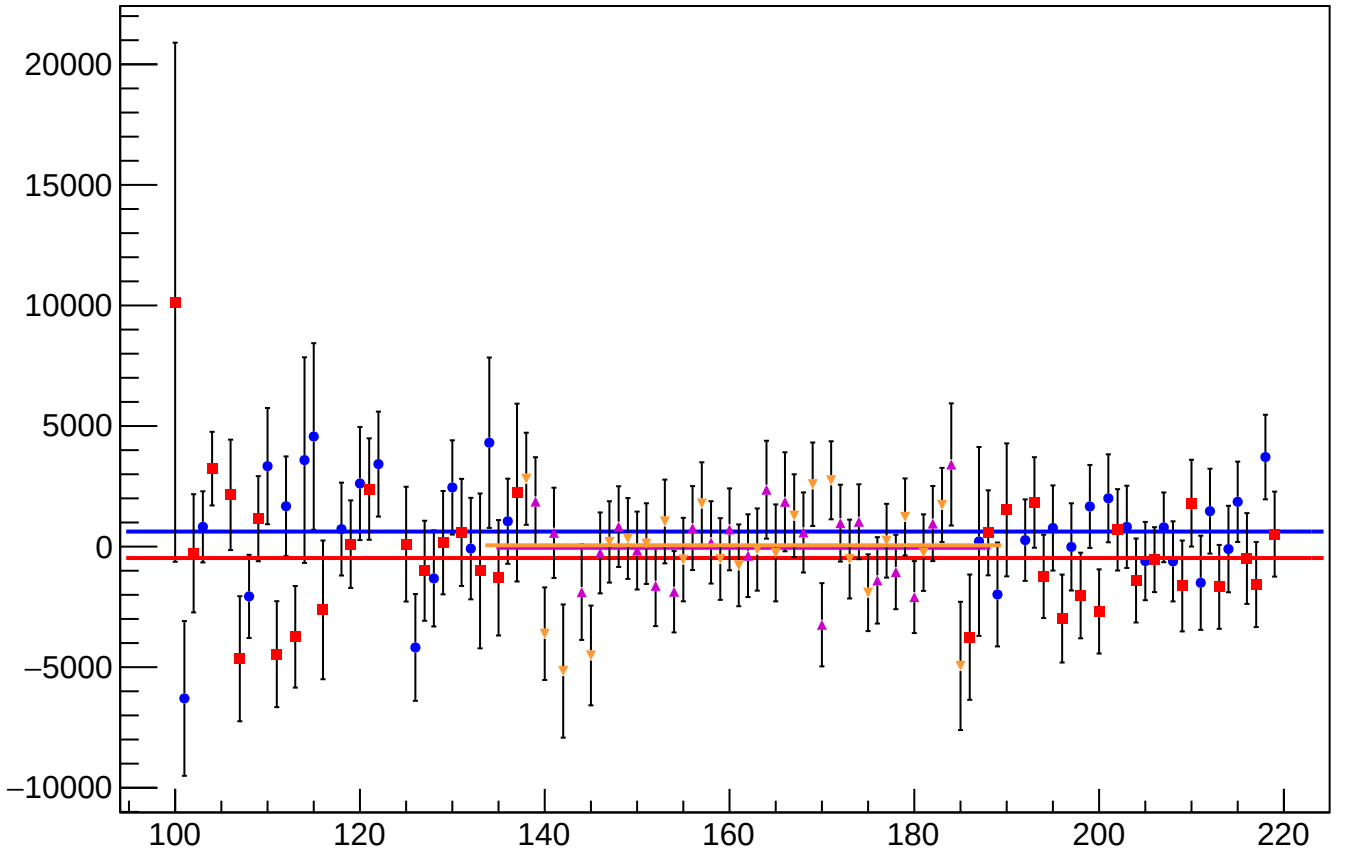
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 788.394+/-0.102 χ^2/NDF: 20758241.9/66

In: 517.077+/-0.068 χ^2/NDF:17924419.6/54

Out: 497.631+/-0.065 χ^2/NDF:18971861.5/58

All: 506.967+/-0.047 χ^2/NDF: 36939007.1/11



Right In: 624.180+/-343.588 χ^2/NDF: 29.3/31

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -473.587+/-337.722 χ^2/NDF: 33.3/34

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

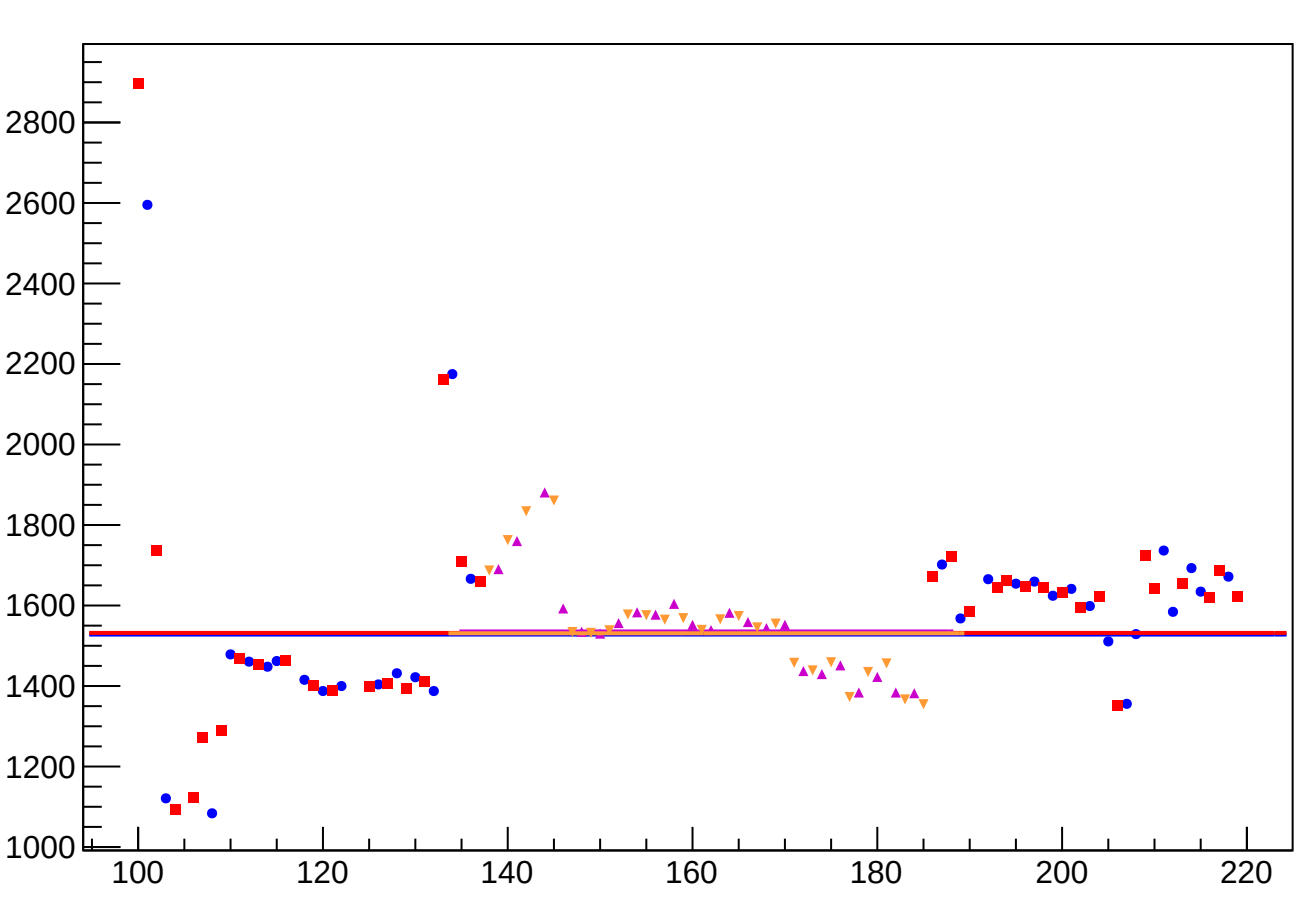
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 65.845+/-240.853 χ^2/NDF: 67.8/66

In: 303.201+/-248.398 χ^2/NDF:47.9/54

Out: -223.614+/-245.135 χ^2/NDF:63.0/58

All: 36.310+/-174.479 χ^2/NDF: 113.1/113



Right In: 1527.844+/-0.243 χ^2/NDF: 784628.9/31

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1531.906+/-0.239 χ^2/NDF: 654318.3/34

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

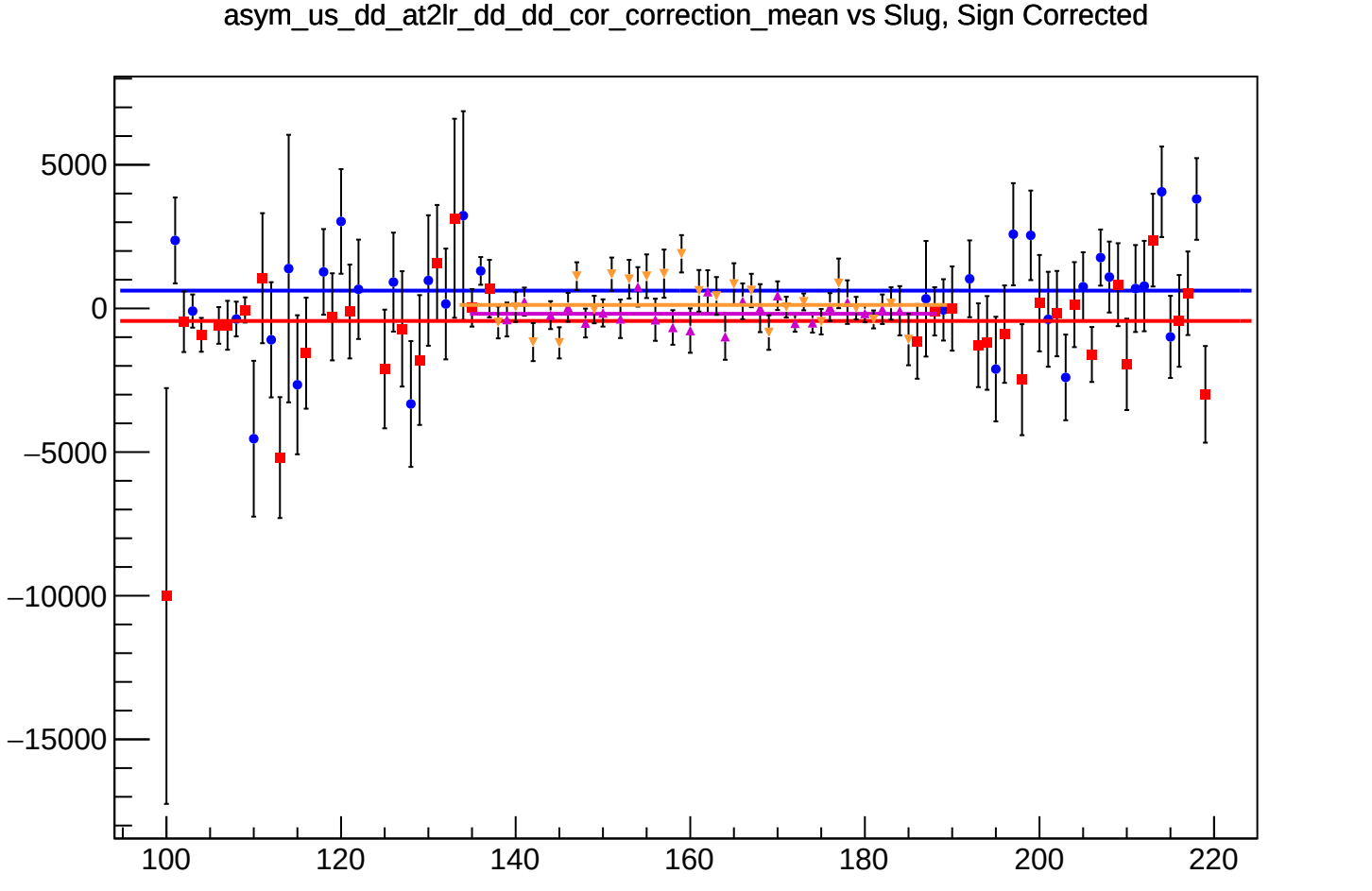
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1529.910+/-0.170 χ^2/NDF: 1439089.4/66

In: 1531.523+/-0.176 χ^2/NDF:977541.9/54

Out: 1531.466+/-0.173 χ^2/NDF:857865.2/58

All: 1531.494+/-0.123 χ^2/NDF: 1835407.1/11



Right In: 620.222+/-216.162 χ^2/NDF: 42.2/31

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -435.692+/-190.855 χ^2/NDF: 25.6/34

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

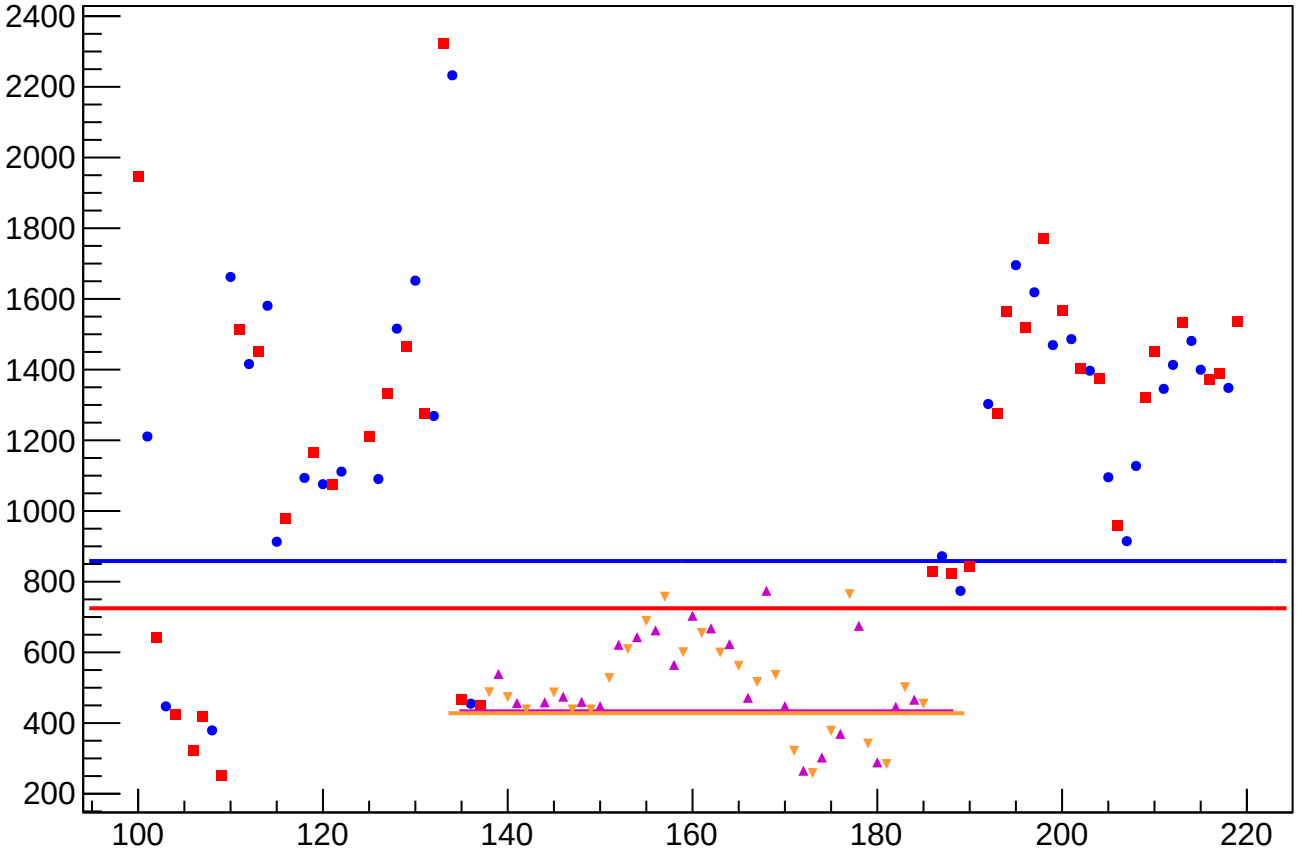
Right: 26.865+/-143.070 χ^2/NDF: 81.2/66

In: -28.225+/-95.877 χ^2/NDF:65.0/54

Out: -8.209+/-92.037 χ^2/NDF:75.8/58

All: -17.808+/-66.396 χ^2/NDF: 140.8/113

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 858.365+/-0.153 χ^2/NDF: 8467285.0/31

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 724.773+/-0.135 χ^2/NDF: 12096028.4/34

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

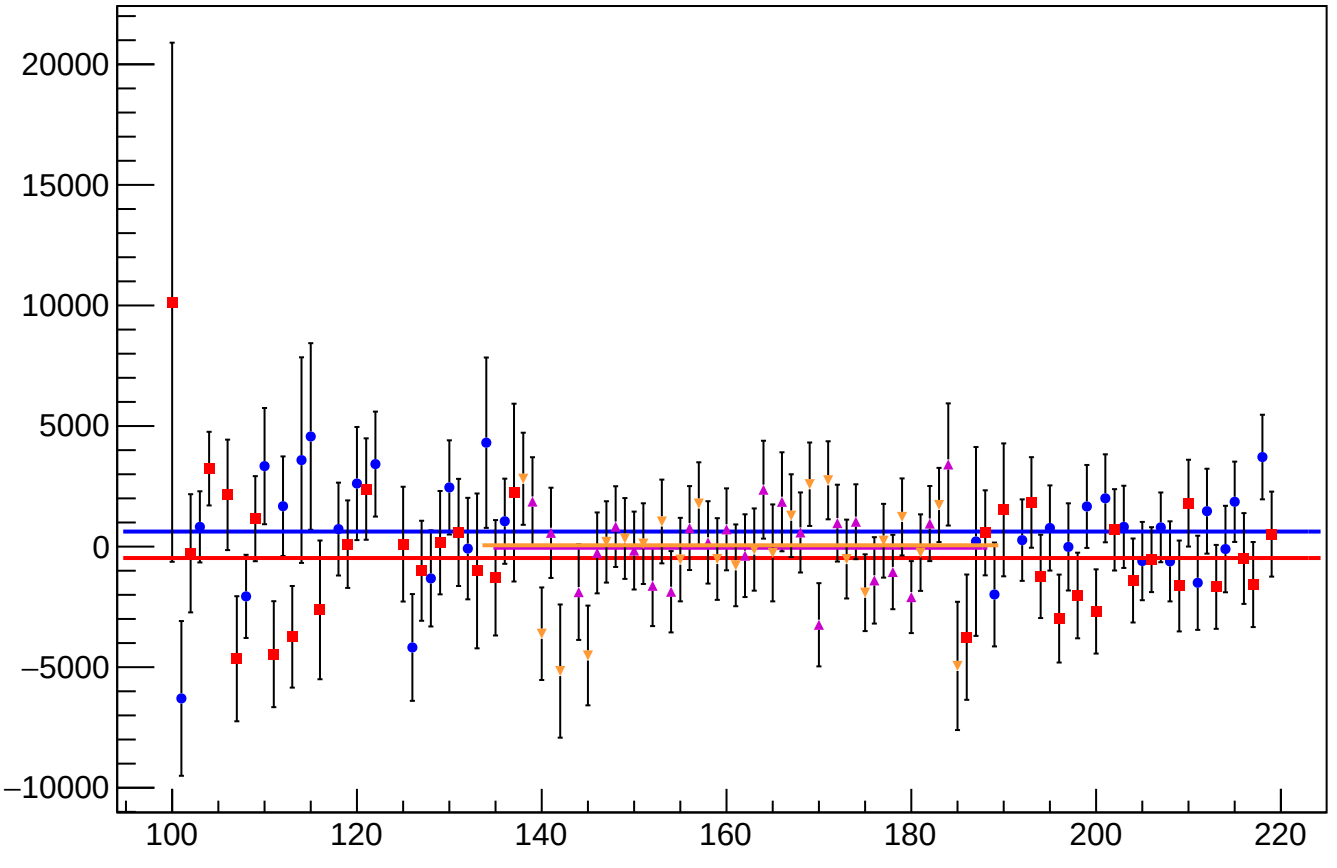
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 783.295+/-0.101 χ^2/NDF: 20992567.8/66

In: 516.911+/-0.068 χ^2/NDF:17927748.0/54

Out: 496.872+/-0.065 χ^2/NDF:19000331.7/58

All: 506.482+/-0.047 χ^2/NDF: 36973546.7/11



Right In: 624.180+/-343.588 χ^2/NDF: 29.3/31

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -473.587+/-337.722 χ^2/NDF: 33.3/34

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

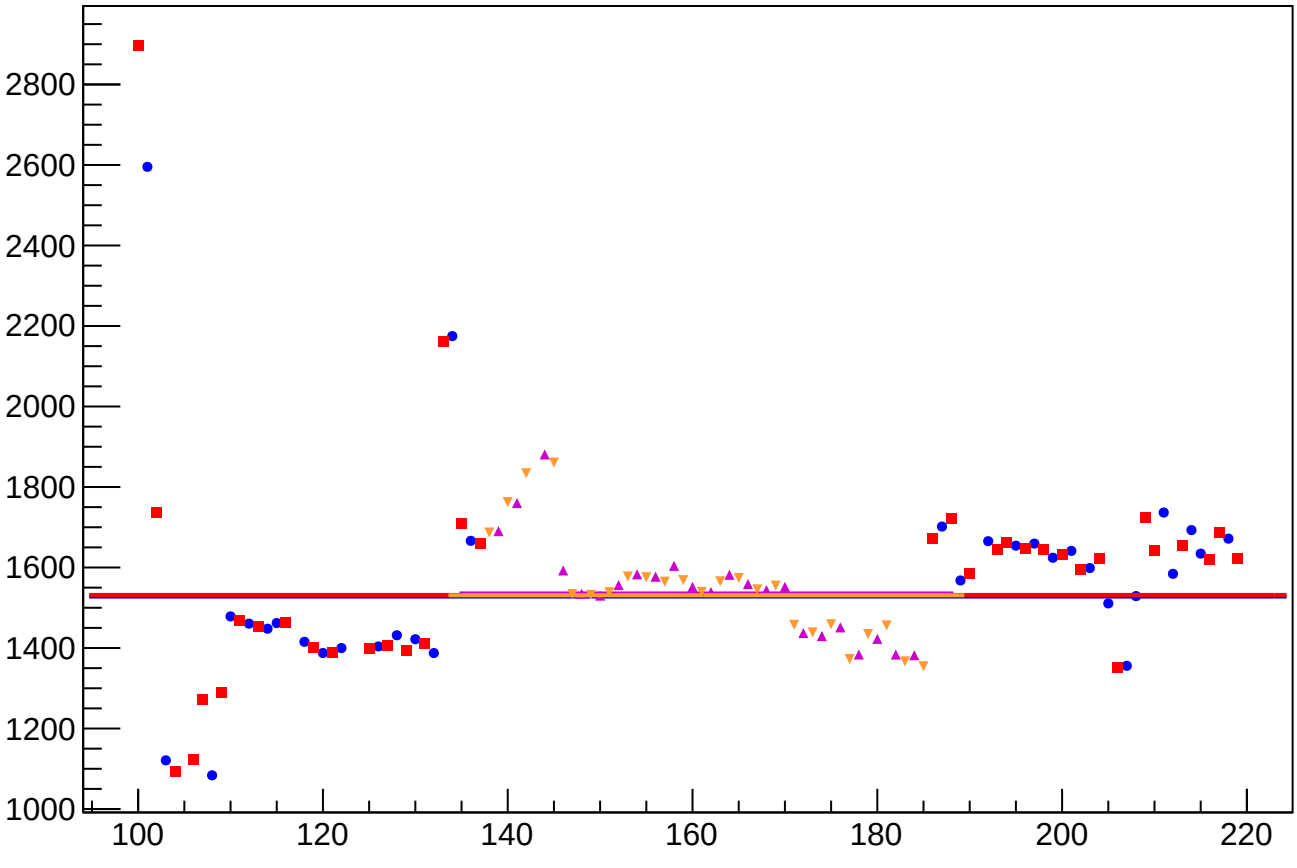
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 65.845+/-240.853 χ^2/NDF: 67.8/66

In: 303.201+/-248.398 χ^2/NDF:47.9/54

Out: -223.614+/-245.135 χ^2/NDF:63.0/58

All: 36.310+/-174.479 χ^2/NDF: 113.1/113



Right In: 1527.844+/-0.243 χ^2/NDF: 784628.9/31

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1531.906+/-0.239 χ^2/NDF: 654318.3/34

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

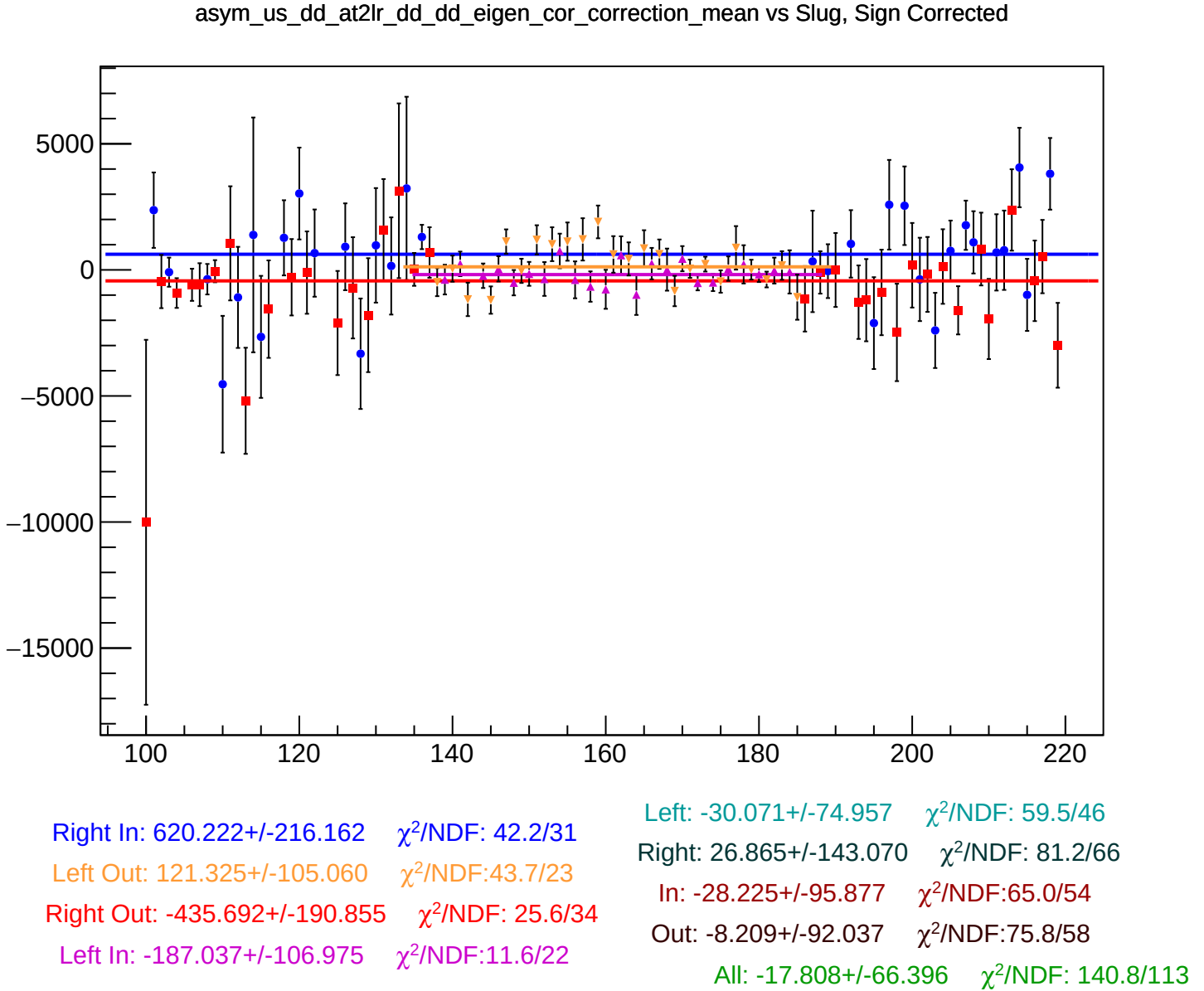
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1529.910+/-0.170 χ^2/NDF: 1439089.4/66

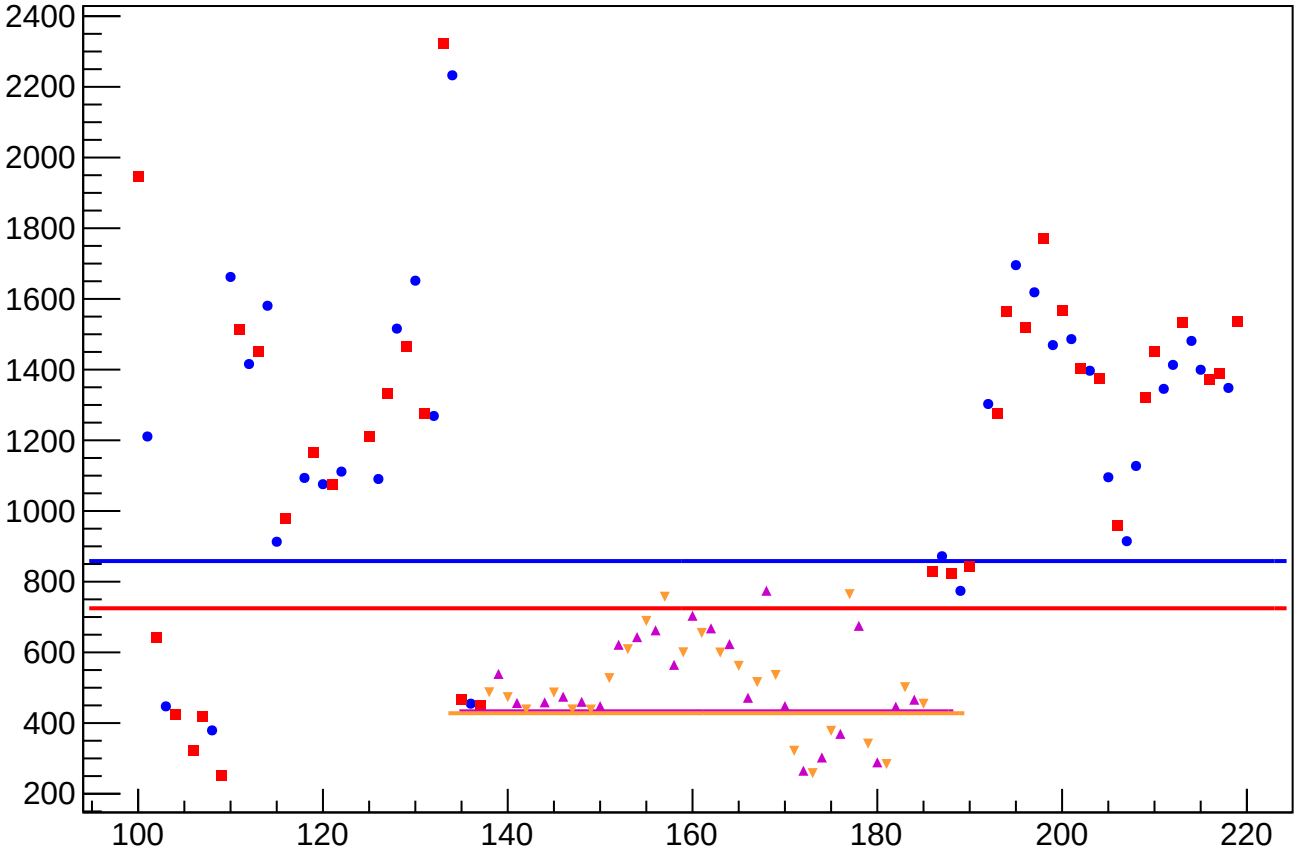
In: 1531.523+/-0.176 χ^2/NDF:977541.9/54

Out: 1531.466+/-0.173 χ^2/NDF:857865.2/58

All: 1531.494+/-0.123 χ^2/NDF: 1835407.1/11


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: 620.222+/-216.162 χ²/NDF: 42.2/31
Left Out: 121.325+/-105.060 χ²/NDF:43.7/23
Right Out: -435.692+/-190.855 χ²/NDF: 25.6/34
Left In: -187.037+/-106.975 χ²/NDF:11.6/22
Left: -30.071+/-74.957 χ²/NDF: 59.5/46
Right: 26.865+/-143.070 χ²/NDF: 81.2/66
In: -28.225+/-95.877 χ²/NDF:65.0/54
Out: -8.209+/-92.037 χ²/NDF:75.8/58
All: -17.808+/-66.396 χ²/NDF: 140.8/113

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 858.365+/-0.153 χ^2/NDF: 8467285.0/31

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 724.773+/-0.135 χ^2/NDF: 12096028.4/34

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

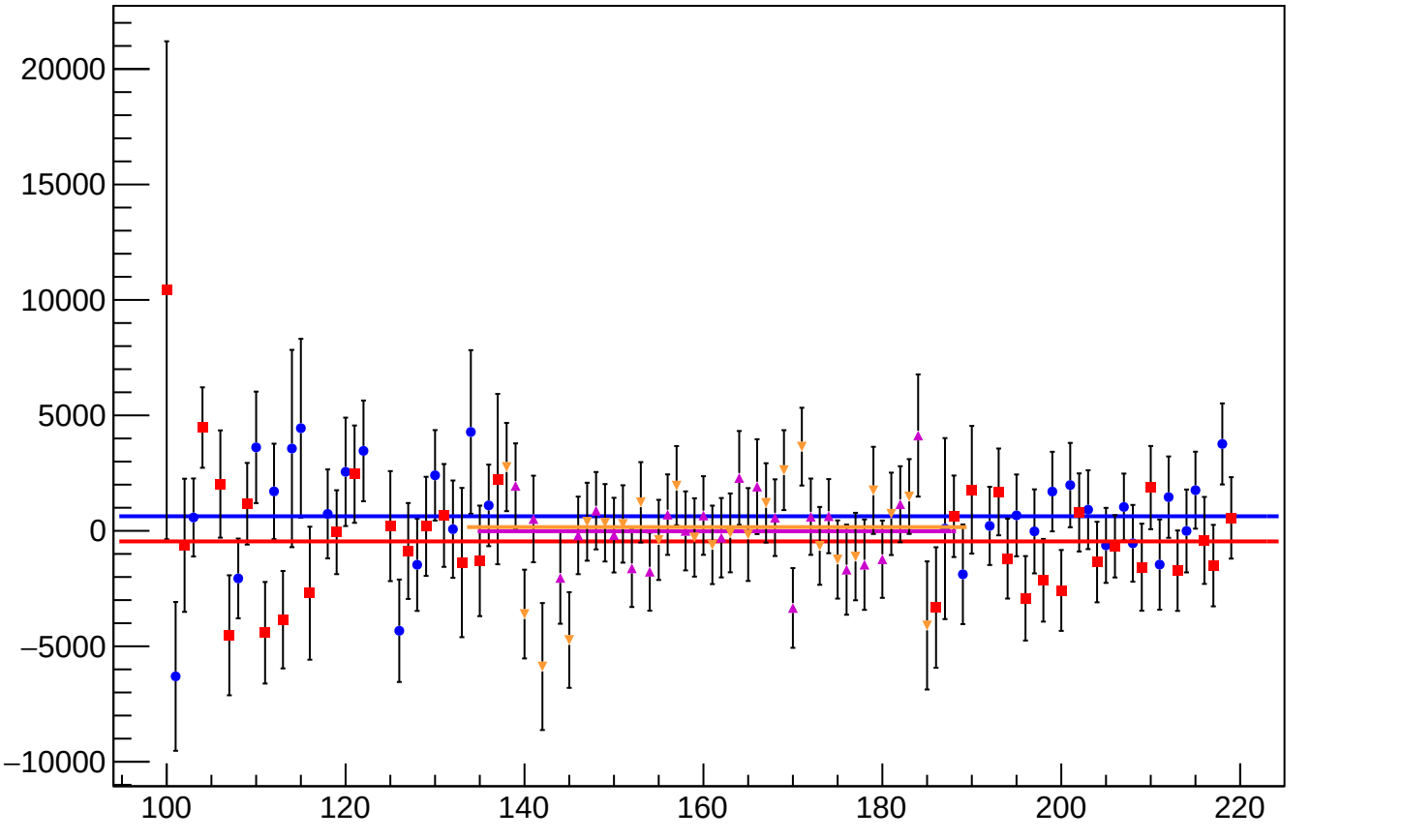
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

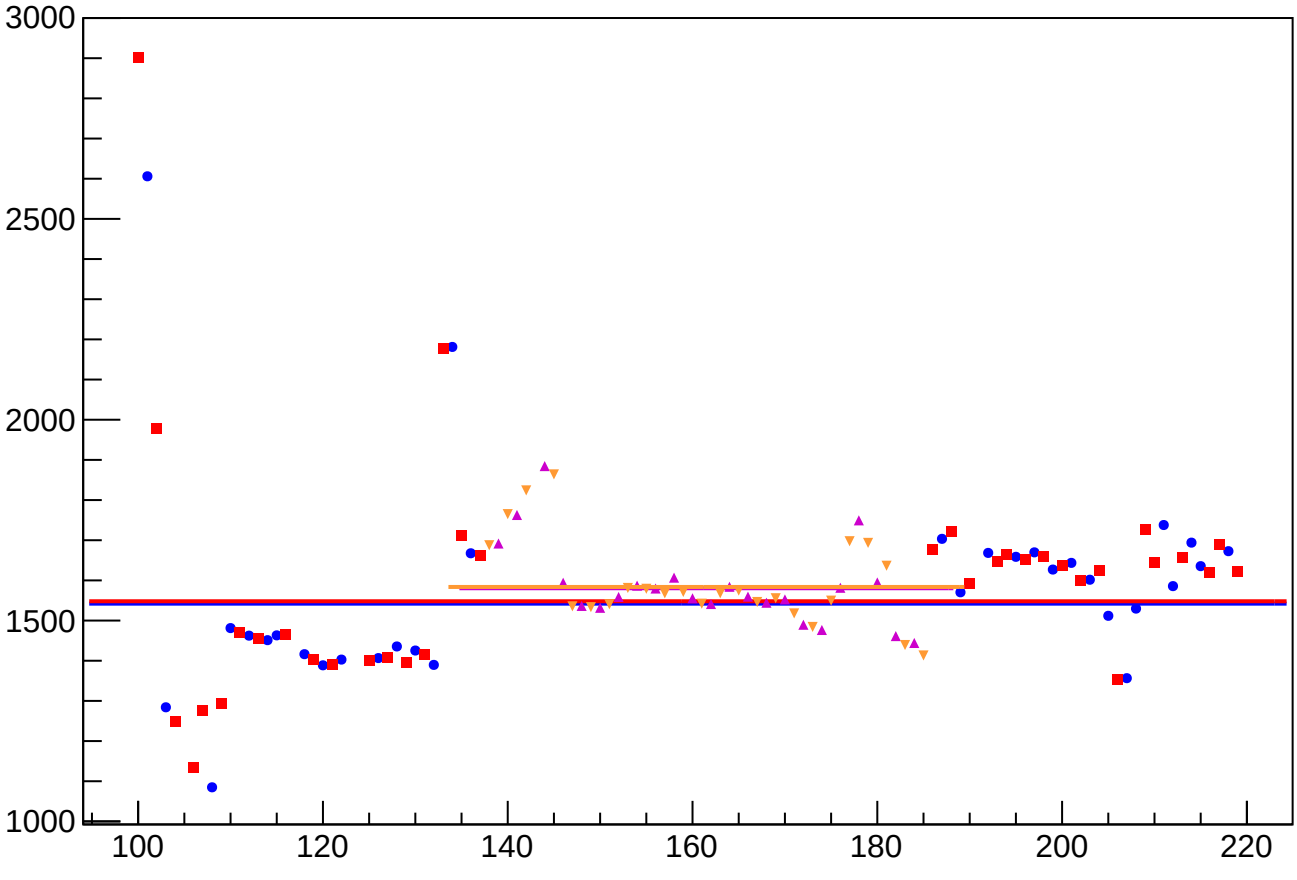
Right: 783.295+/-0.101 χ^2/NDF: 20992567.8/66

In: 516.911+/-0.068 χ^2/NDF:17927748.0/54

Out: 496.872+/-0.065 χ^2/NDF:19000331.7/58

All: 506.482+/-0.047 χ^2/NDF: 36973546.7/11


dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 630.518+/-346.318 χ²/NDF: 29.6/31
Left Out: 161.591+/-368.366 χ²/NDF:29.9/23
Right Out: -458.023+/-341.256 χ²/NDF: 35.0/34
Left In: -20.252+/-369.781 χ²/NDF:16.0/22
Left: 71.018+/-260.973 χ²/NDF: 46.0/46
Right: 78.233+/-243.074 χ²/NDF: 69.7/66
In: 326.432+/-252.772 χ²/NDF:47.3/54
Out: -171.853+/-250.340 χ²/NDF:66.5/58
All: 74.882+/-177.871 χ²/NDF: 115.7/113



Right In: 1542.132+/-0.245 χ^2/NDF: 675626.6/31

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1548.060+/-0.241 χ^2/NDF: 572018.4/34

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

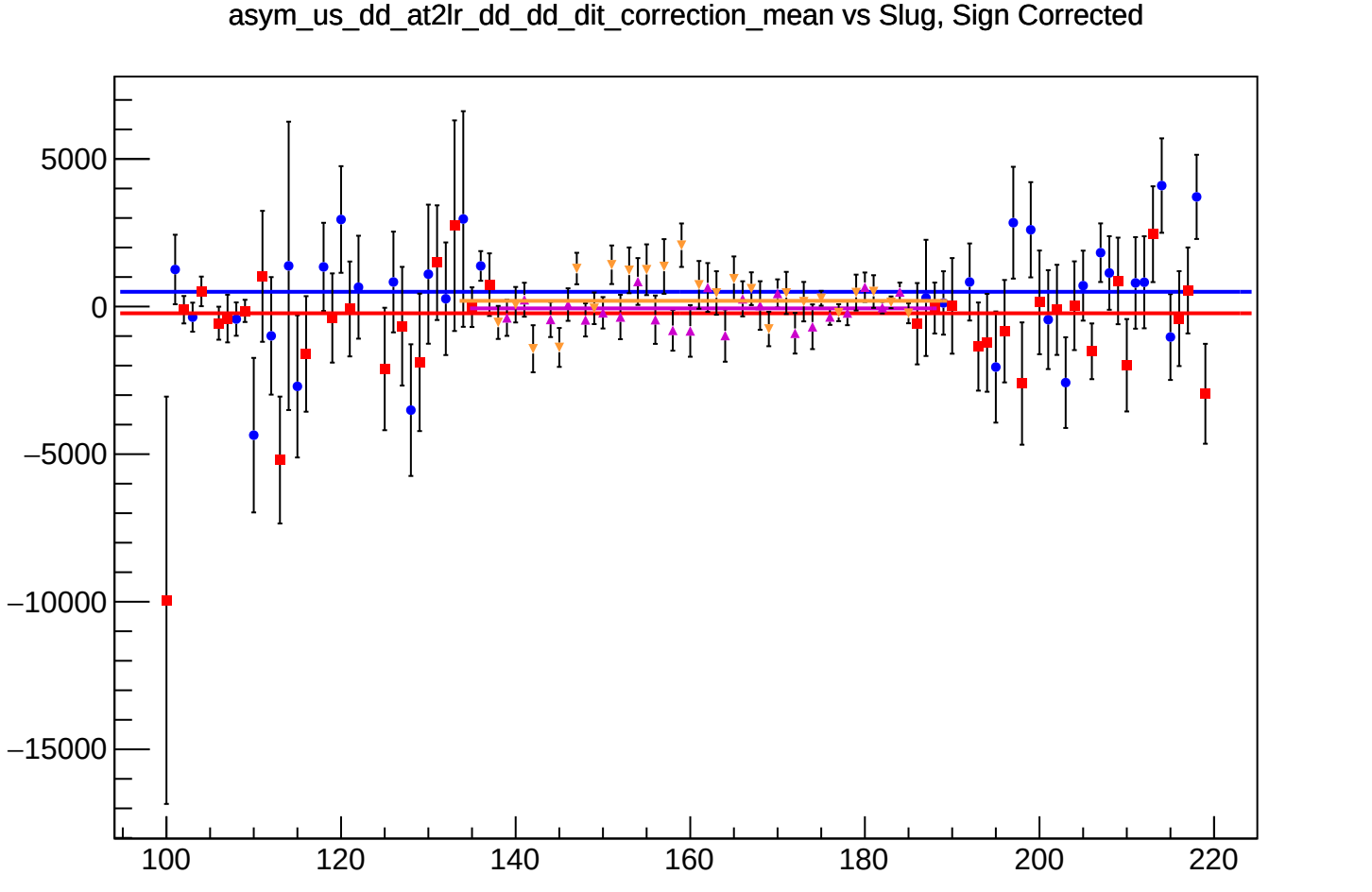
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1545.140+/-0.172 χ^2/NDF: 1247942.3/66

In: 1560.044+/-0.179 χ^2/NDF:812821.3/54

Out: 1564.508+/-0.177 χ^2/NDF:715661.4/58

All: 1562.297+/-0.126 χ^2/NDF: 1528797.7/11



Right In: 499.929+/-209.787 χ^2/NDF: 44.0/31

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: -228.116+/-170.360 χ^2/NDF: 26.6/34

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

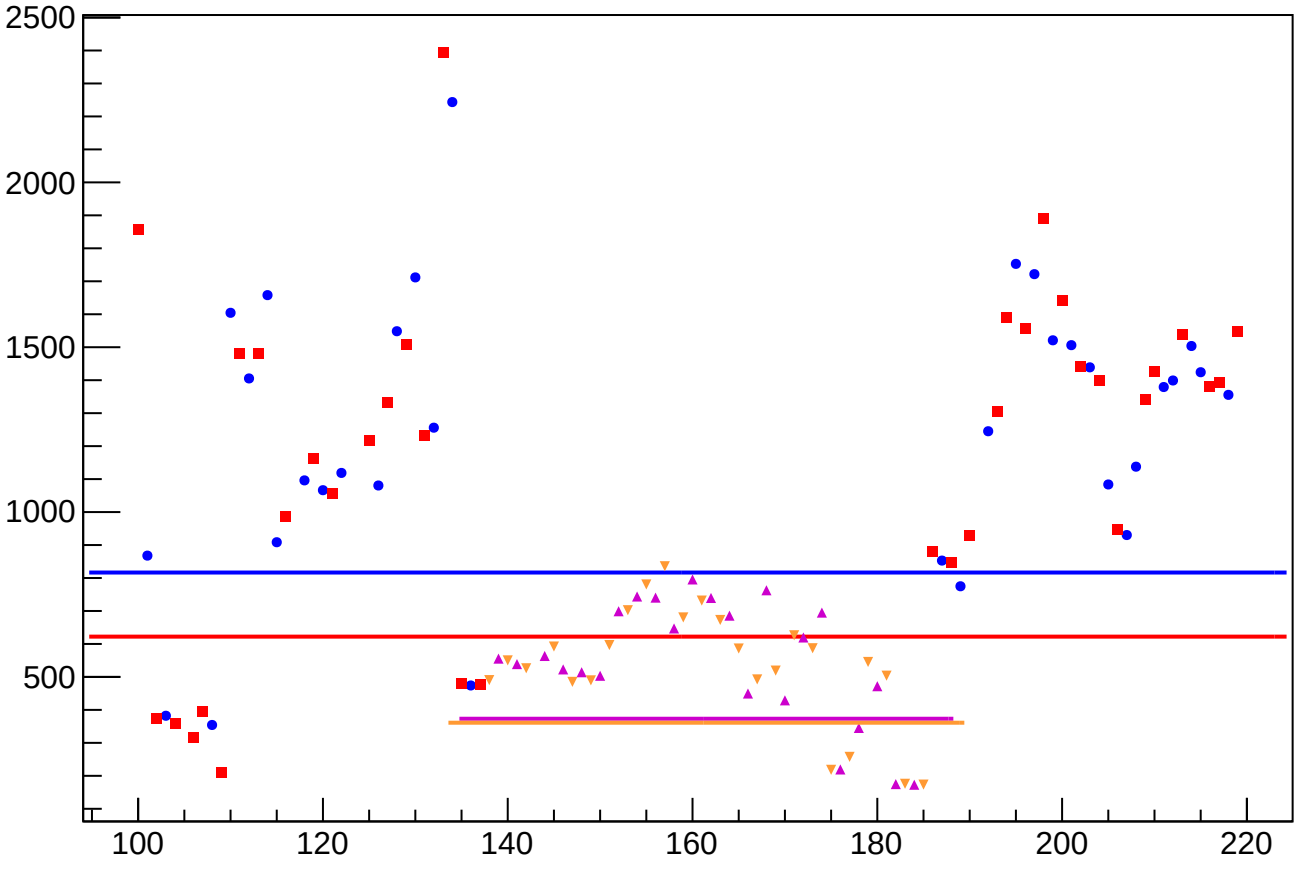
Right: 61.201+/-132.247 χ^2/NDF: 77.8/66

In: 41.412+/-90.061 χ^2/NDF:66.8/54

Out: 91.909+/-83.565 χ^2/NDF:71.3/58

All: 68.547+/-61.257 χ^2/NDF: 138.3/113

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 816.626+/-0.148 χ^2/NDF: 9414100.2/31

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 622.213+/-0.120 χ^2/NDF: 14910796.2/34

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

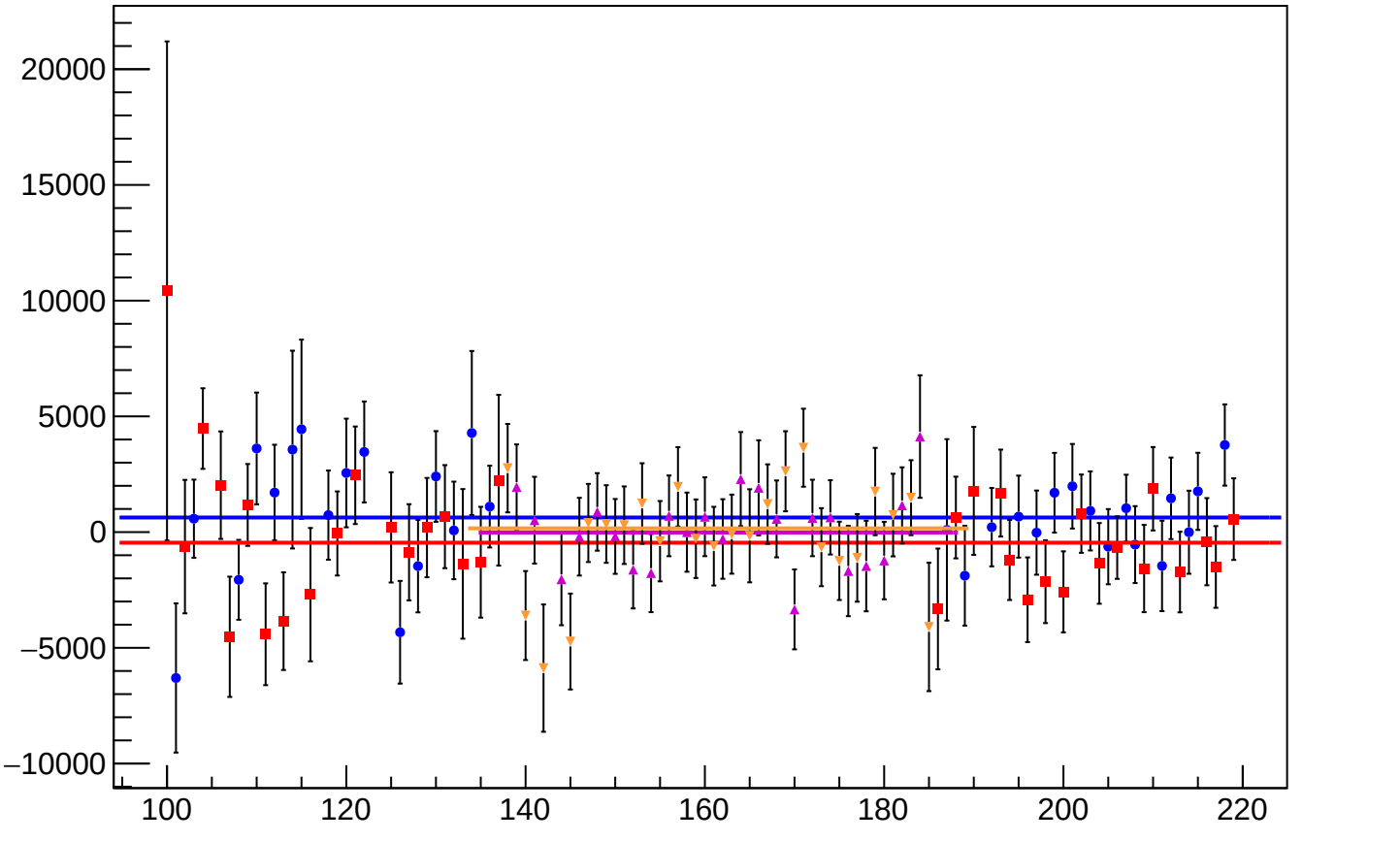
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

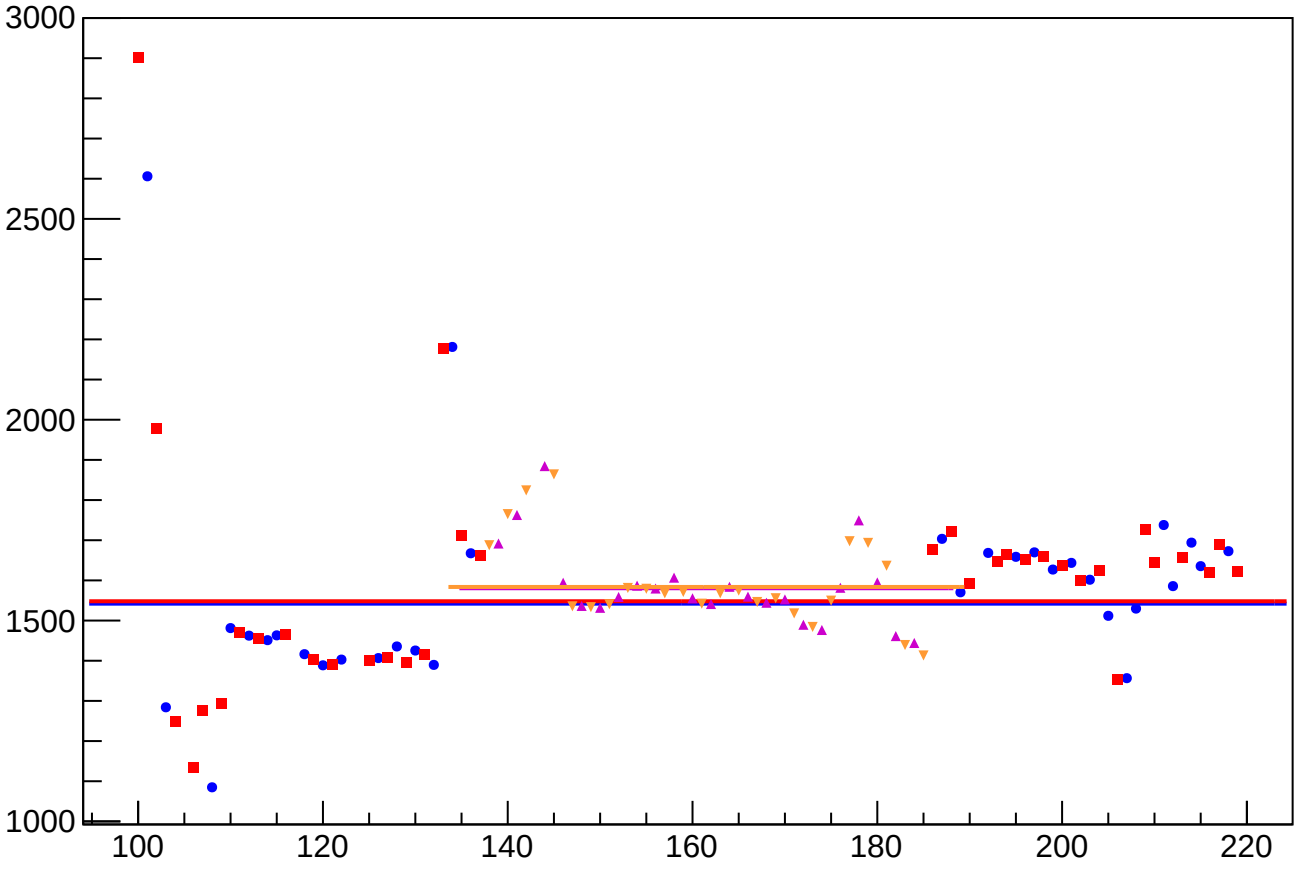
Right: 699.470+/-0.094 χ^2/NDF: 25359944.0/66

In: 454.873+/-0.064 χ^2/NDF:24912079.4/54

Out: 423.926+/-0.059 χ^2/NDF:26661871.0/58

All: 438.243+/-0.043 χ^2/NDF: 51700850.5/1


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 630.510+/-346.318 χ²/NDF: 29.6/31
Left Out: 161.587+/-368.366 χ²/NDF:29.9/23
Right Out: -458.022+/-341.256 χ²/NDF: 35.0/34
Left In: -20.250+/-369.781 χ²/NDF:16.0/22
Left: 71.017+/-260.973 χ²/NDF: 46.0/46
Right: 78.230+/-243.074 χ²/NDF: 69.7/66
In: 326.429+/-252.772 χ²/NDF:47.3/54
Out: -171.854+/-250.340 χ²/NDF:66.5/58
All: 74.879+/-177.871 χ²/NDF: 115.7/113



Right In: 1542.132+/-0.245 χ^2/NDF: 675626.1/31

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1548.060+/-0.241 χ^2/NDF: 572018.4/34

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

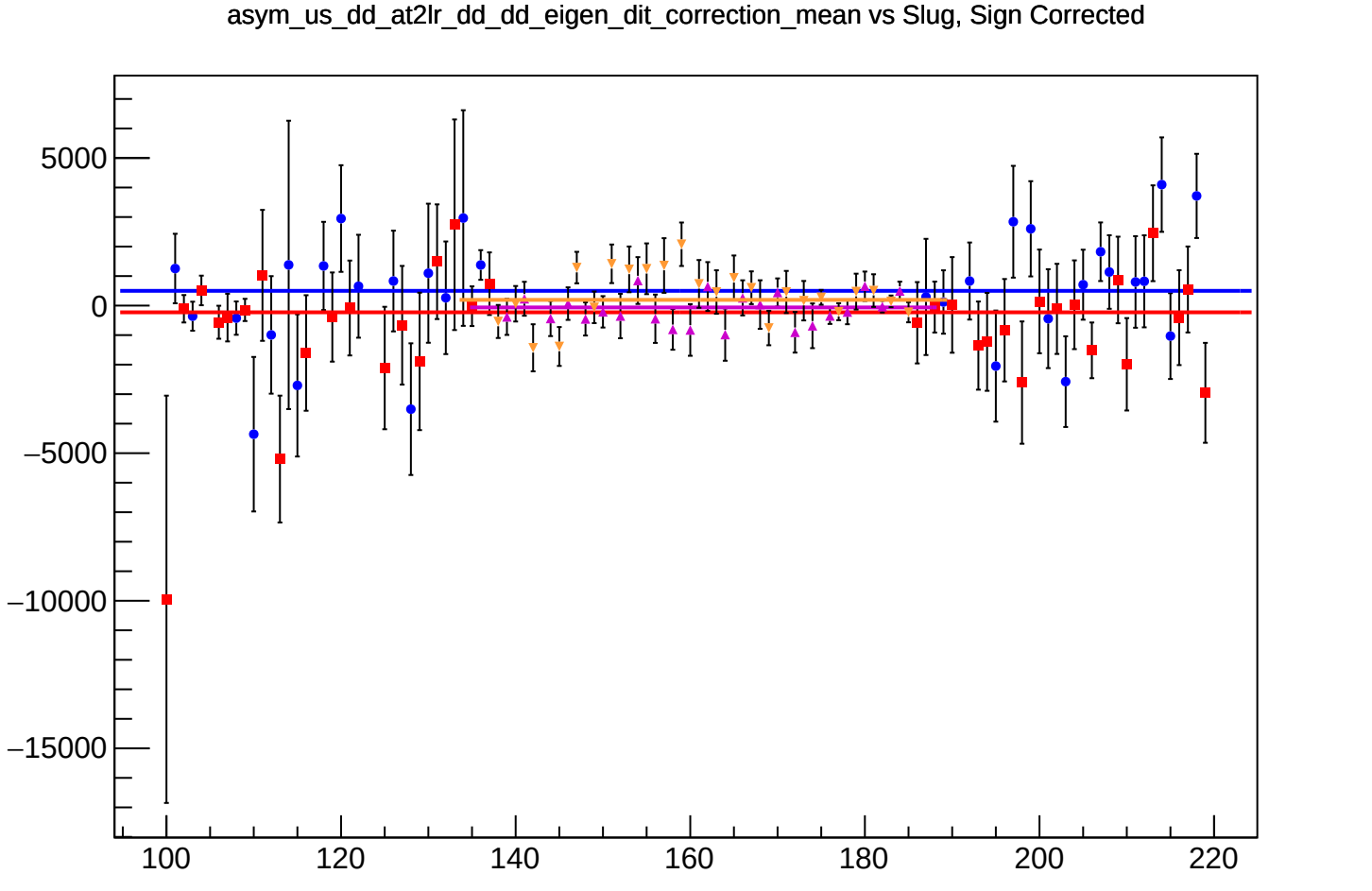
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1545.140+/-0.172 χ^2/NDF: 1247941.8/66

In: 1560.043+/-0.179 χ^2/NDF:812820.7/54

Out: 1564.508+/-0.177 χ^2/NDF:715661.4/58

All: 1562.297+/-0.126 χ^2/NDF: 1528797.1/11



Right In: 499.926+/-209.786 χ^2/NDF: 44.0/31

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

Right Out: -228.115+/-170.361 χ^2/NDF: 26.6/34

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

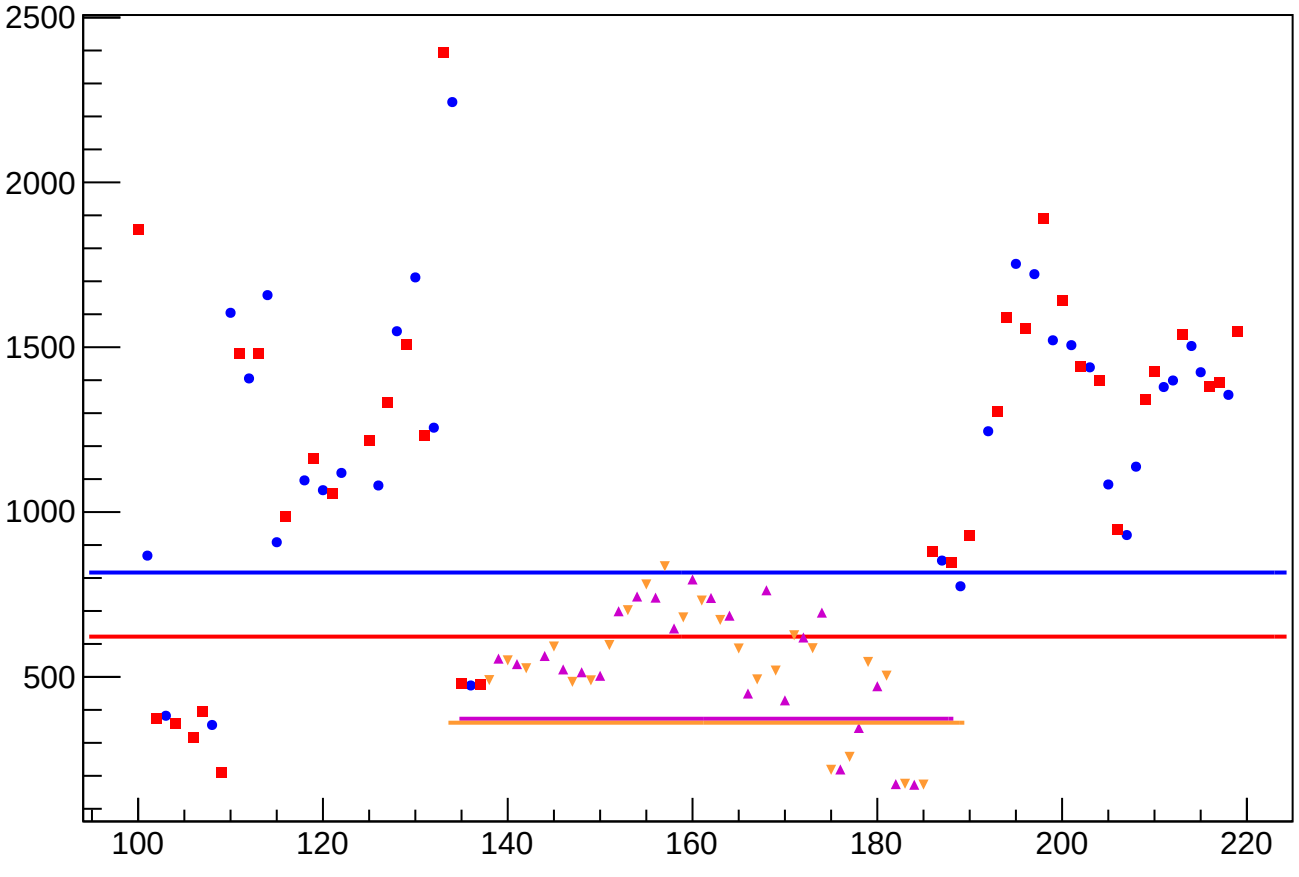
Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

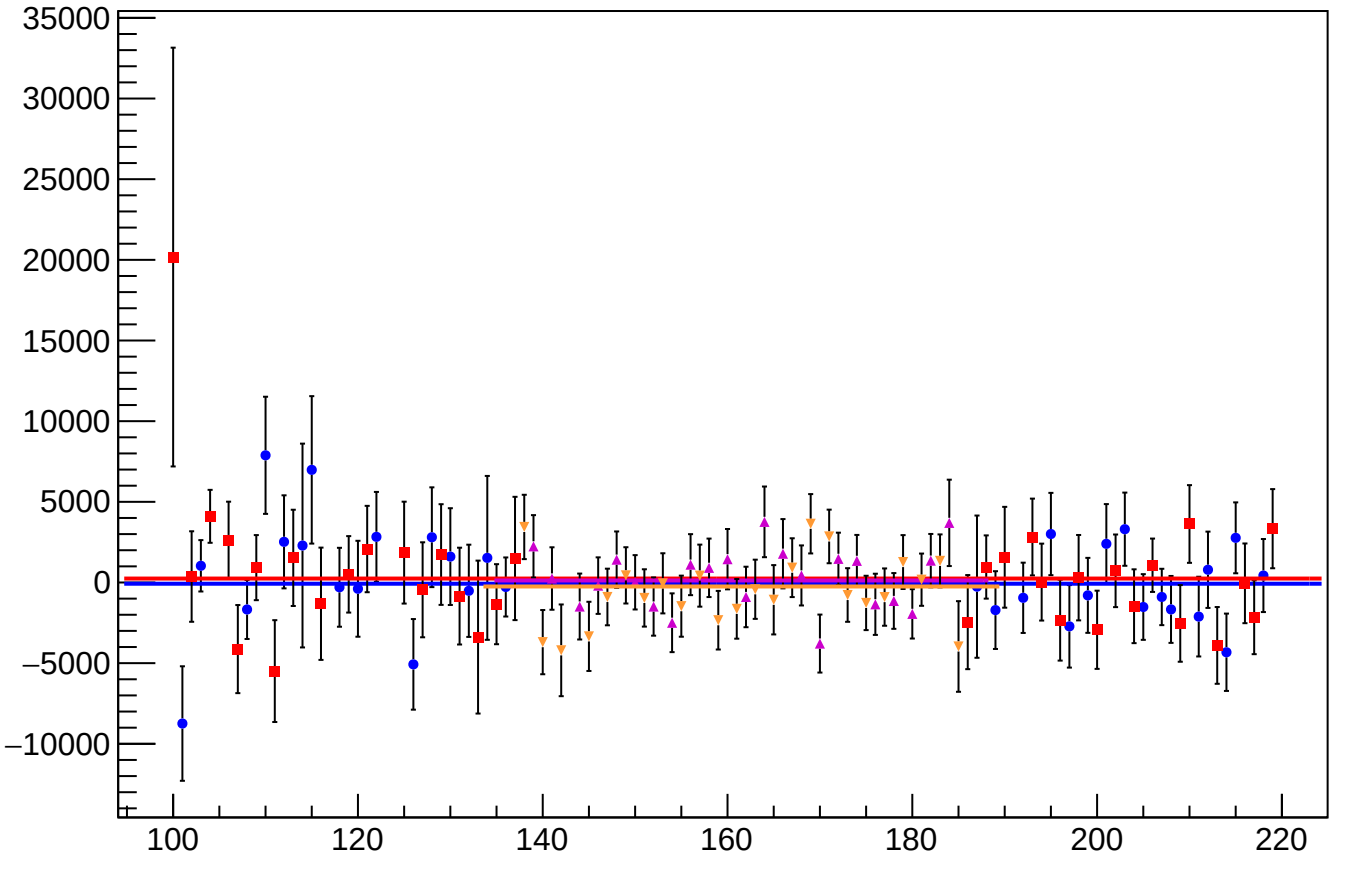
Right: 61.204+/-132.248 χ^2/NDF: 77.8/66

In: 41.415+/-90.061 χ^2/NDF:66.8/54

Out: 91.913+/-83.565 χ^2/NDF:71.3/58

All: 68.551+/-61.257 χ^2/NDF: 138.3/113


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: 816.623+/-0.148 χ²/NDF: 9414113.1/31
Left Out: 361.103+/-0.068 χ²/NDF:8182968.2/23
Right Out: 622.220+/-0.120 χ²/NDF: 14910586.6/34
Left In: 373.145+/-0.071 χ²/NDF:8207110.6/22
Left: 366.889+/-0.049 χ²/NDF: 16405230.8/46
Right: 699.474+/-0.094 χ²/NDF: 25359642.2/66
In: 454.877+/-0.064 χ²/NDF:24911612.9/54
Out: 423.930+/-0.059 χ²/NDF:26661546.4/58
All: 438.247+/-0.043 χ²/NDF: 51700061.3/11



Right In: -76.311+/-436.104 χ^2/NDF: 34.4/31

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 244.277+/-426.989 χ^2/NDF: 32.6/34

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

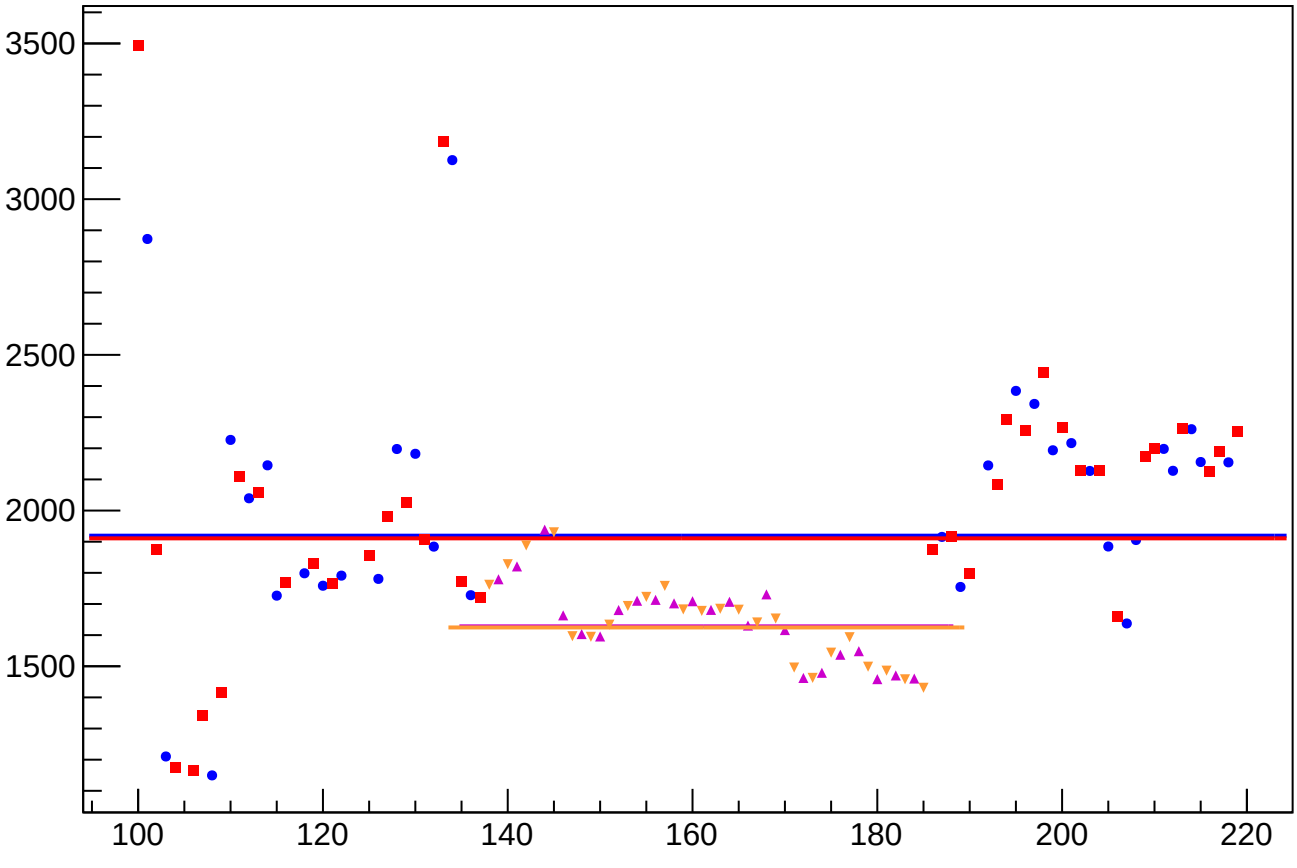
Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

Right: 87.368+/-305.099 χ^2/NDF: 67.3/66

In: 38.411+/-287.055 χ^2/NDF:55.7/54

Out: -31.067+/-283.123 χ^2/NDF:59.4/58

All: 3.193+/-201.574 χ^2/NDF: 115.1/113



Right In: 1919.315+/-0.308 χ^2/NDF: 1510236.0/31

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1910.732+/-0.302 χ^2/NDF: 1510538.7/34

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

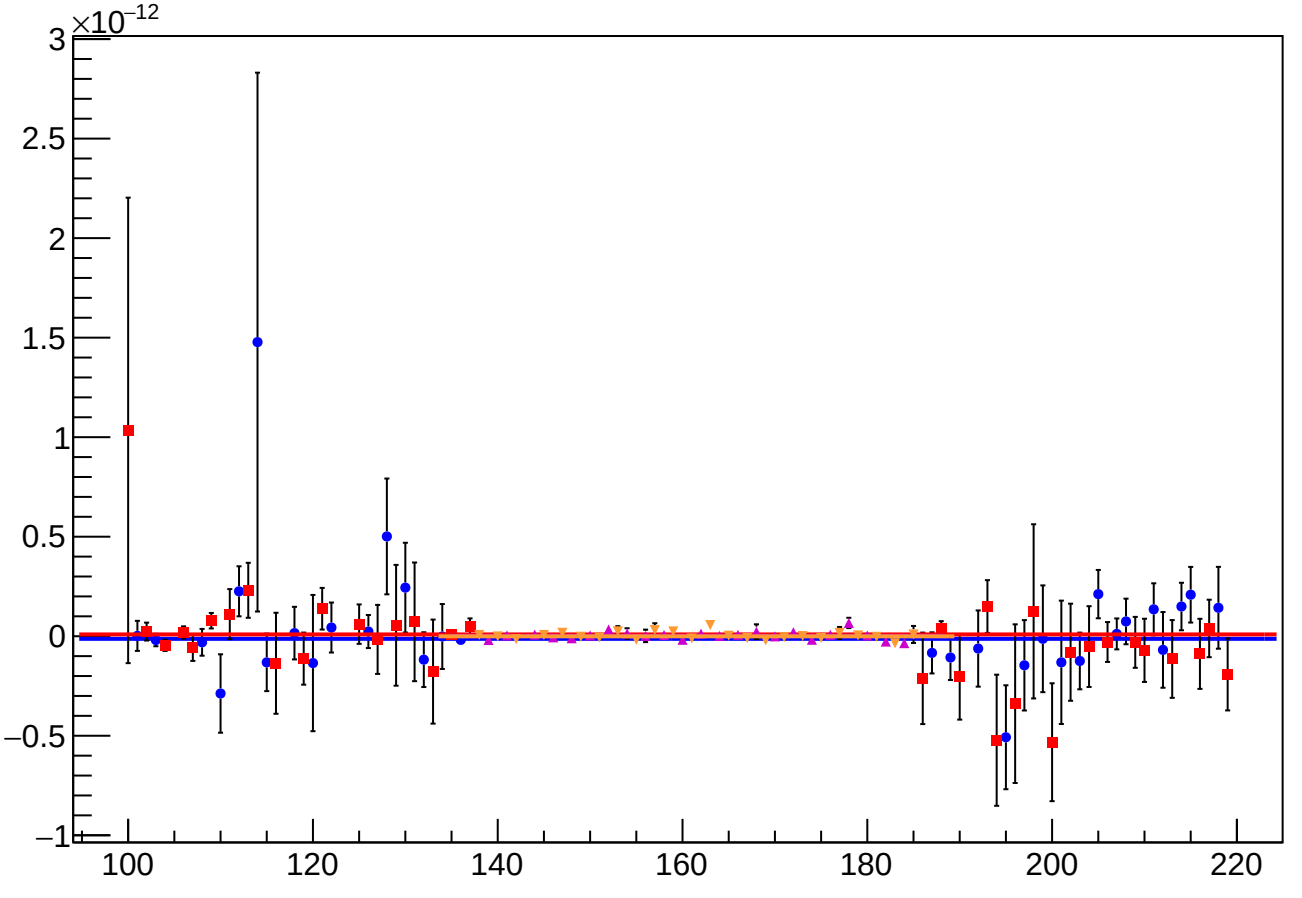
Right: 1914.933+/-0.216 χ^2/NDF: 3021170.2/66

In: 1754.341+/-0.203 χ^2/NDF:2220128.5/54

Out: 1750.409+/-0.200 χ^2/NDF:2220993.5/58

All: 1752.348+/-0.143 χ^2/NDF: 4441312.1/11

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 29.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/34

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

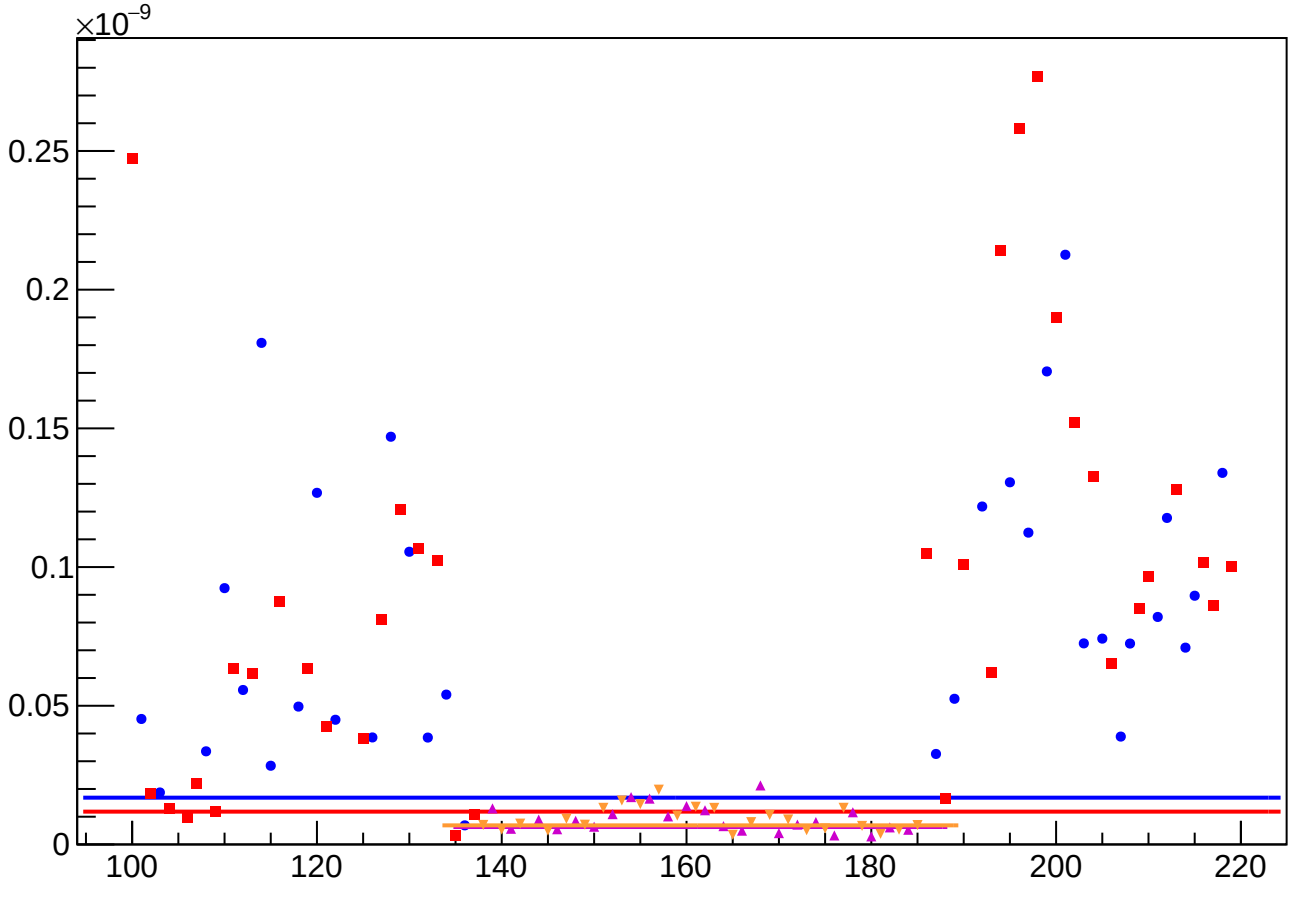
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 62.2/66

In: 0.000+/-0.000 χ^2/NDF:56.1/54

Out: 0.000+/-0.000 χ^2/NDF:53.4/58

All: 0.000+/-0.000 χ^2/NDF: 109.4/113



Right In: 0.000+/-0.000 χ^2/NDF: 10953982.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13208946.5/34

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

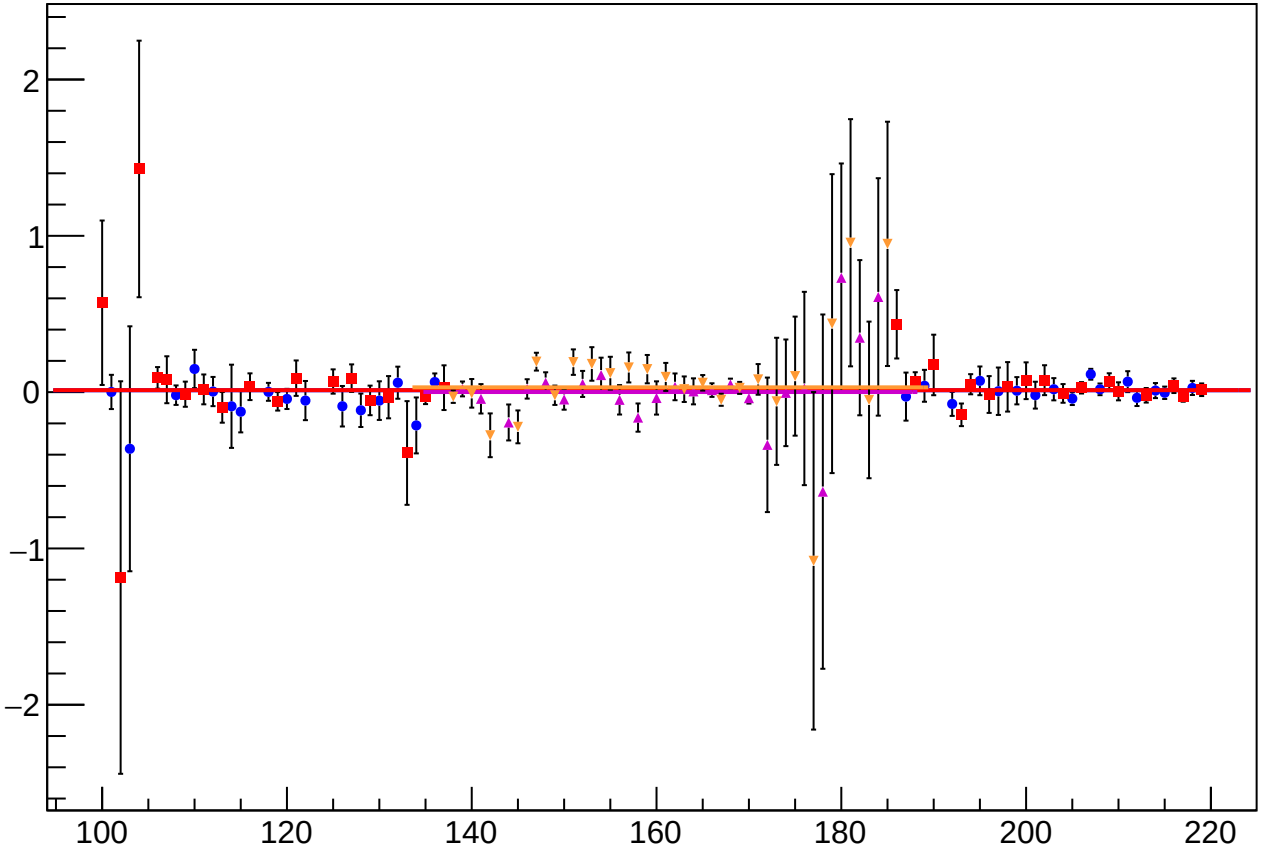
Right: 0.000+/-0.000 χ^2/NDF: 24469238.2/66

In: 0.000+/-0.000 χ^2/NDF:15991771.0/54

Out: 0.000+/-0.000 χ^2/NDF:16096079.6/58

All: 0.000+/-0.000 χ^2/NDF: 32106761.1/113

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.012 χ^2/NDF: 23.3/31

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.012 χ^2/NDF: 28.3/34

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

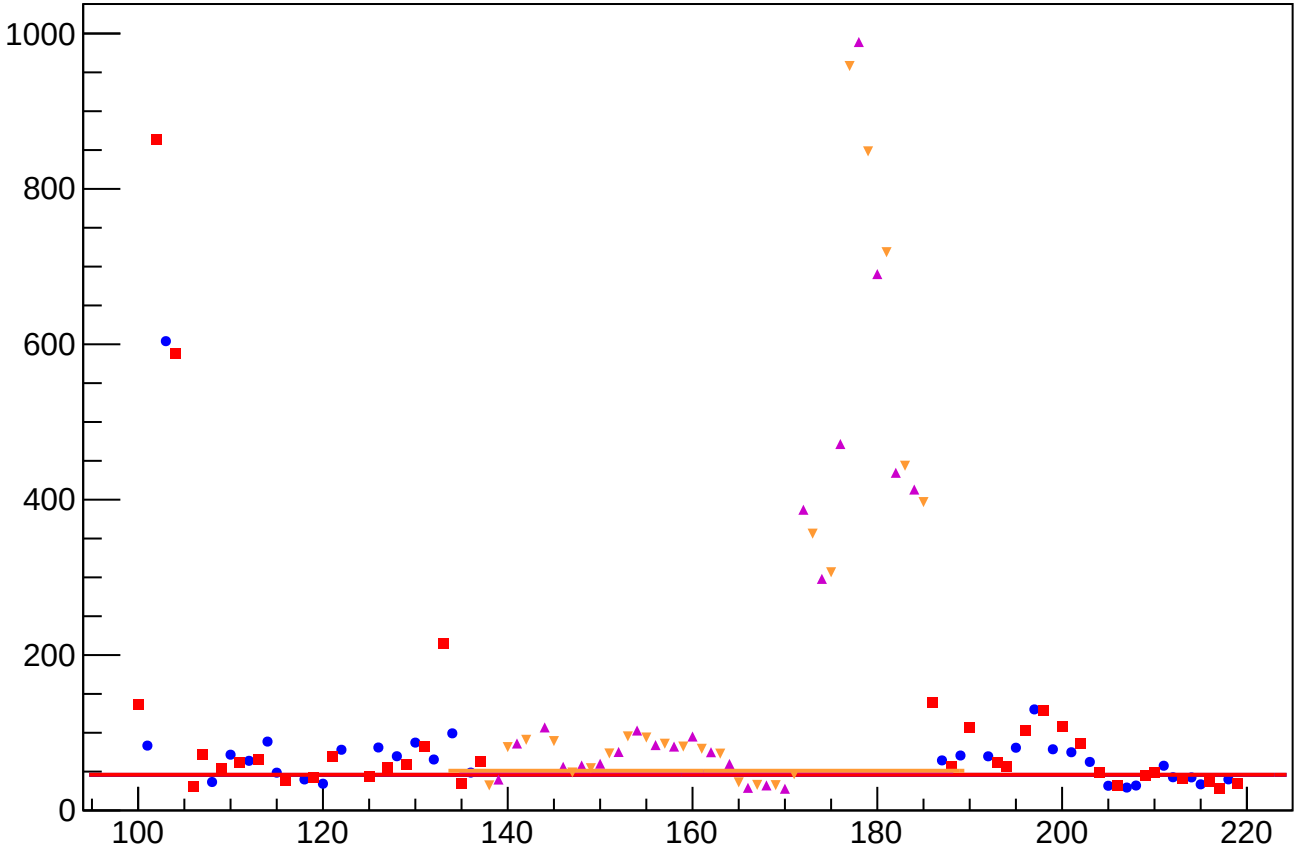
Right: 0.012+/-0.008 χ^2/NDF: 51.7/66

In: 0.008+/-0.009 χ^2/NDF:39.7/54

Out: 0.019+/-0.009 χ^2/NDF:70.7/58

All: 0.014+/-0.007 χ^2/NDF: 111.2/113

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.742+/-0.008 χ^2/NDF: 5583100.9/31

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 45.958+/-0.008 χ^2/NDF: 6765866.2/34

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

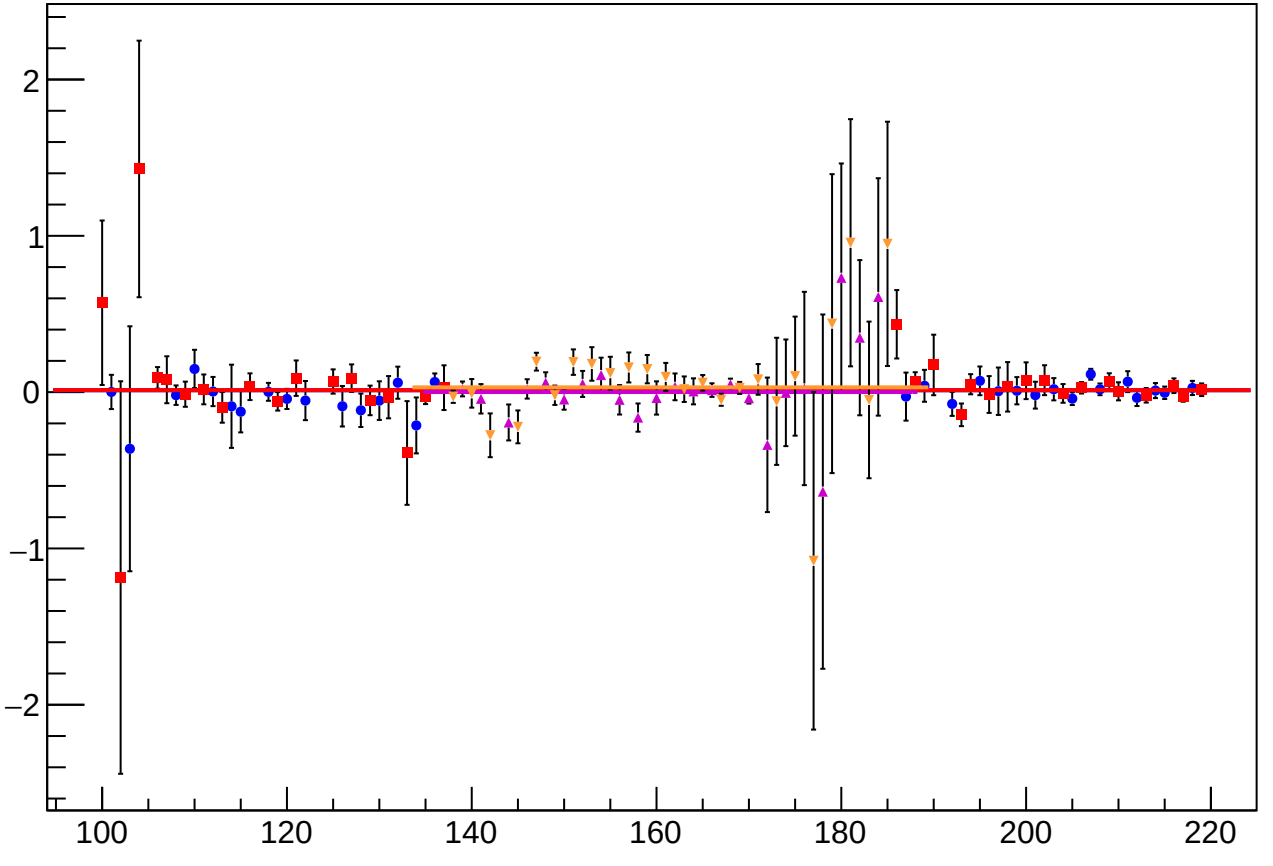
Right: 45.850+/-0.006 χ^2/NDF: 12349297.2/66

In: 47.442+/-0.007 χ^2/NDF:17887600.3/54

Out: 47.859+/-0.007 χ^2/NDF:18640414.8/58

All: 47.649+/-0.005 χ^2/NDF: 36529983.0/113

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.012 χ^2/NDF: 23.3/31

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.012 χ^2/NDF: 28.3/34

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

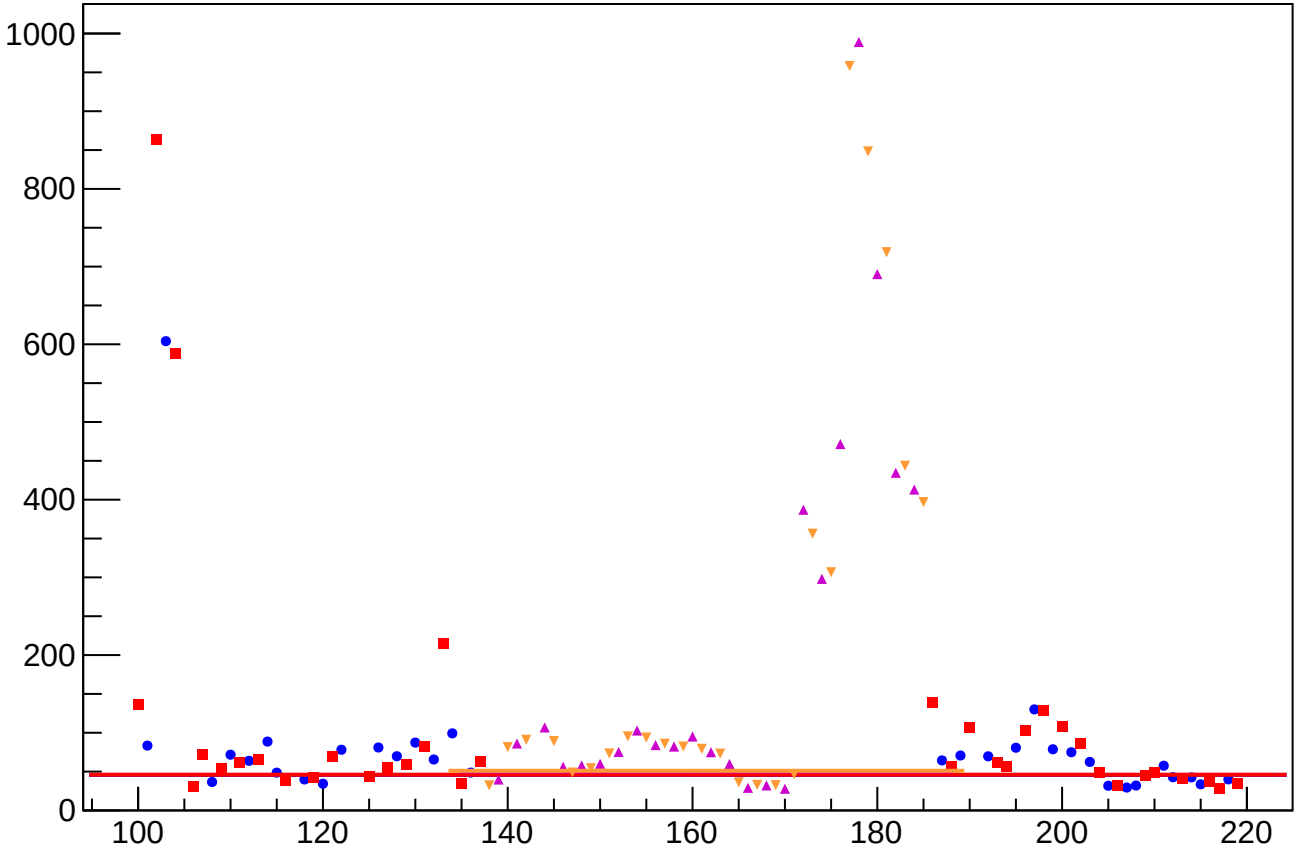
Right: 0.012+/-0.008 χ^2/NDF: 51.7/66

In: 0.008+/-0.009 χ^2/NDF:39.7/54

Out: 0.019+/-0.009 χ^2/NDF:70.7/58

All: 0.014+/-0.007 χ^2/NDF: 111.2/113

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.742+/-0.008 χ^2/NDF: 5583100.9/31

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 45.958+/-0.008 χ^2/NDF: 6765866.2/34

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

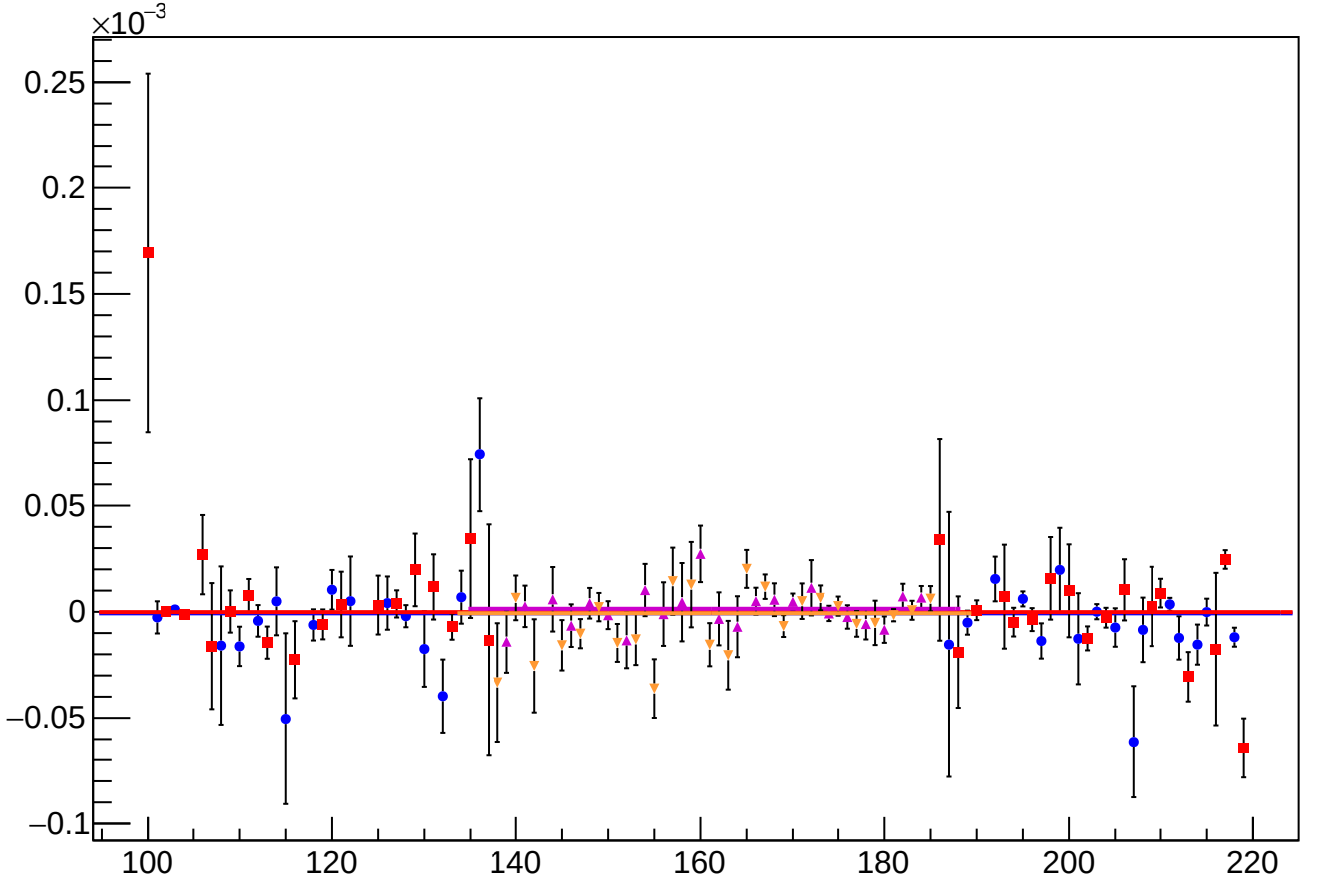
Right: 45.850+/-0.006 χ^2/NDF: 12349297.2/66

In: 47.442+/-0.007 χ^2/NDF:17887600.3/54

Out: 47.859+/-0.007 χ^2/NDF:18640414.8/58

All: 47.649+/-0.005 χ^2/NDF: 36529983.0/113

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 50.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 88.6/34

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

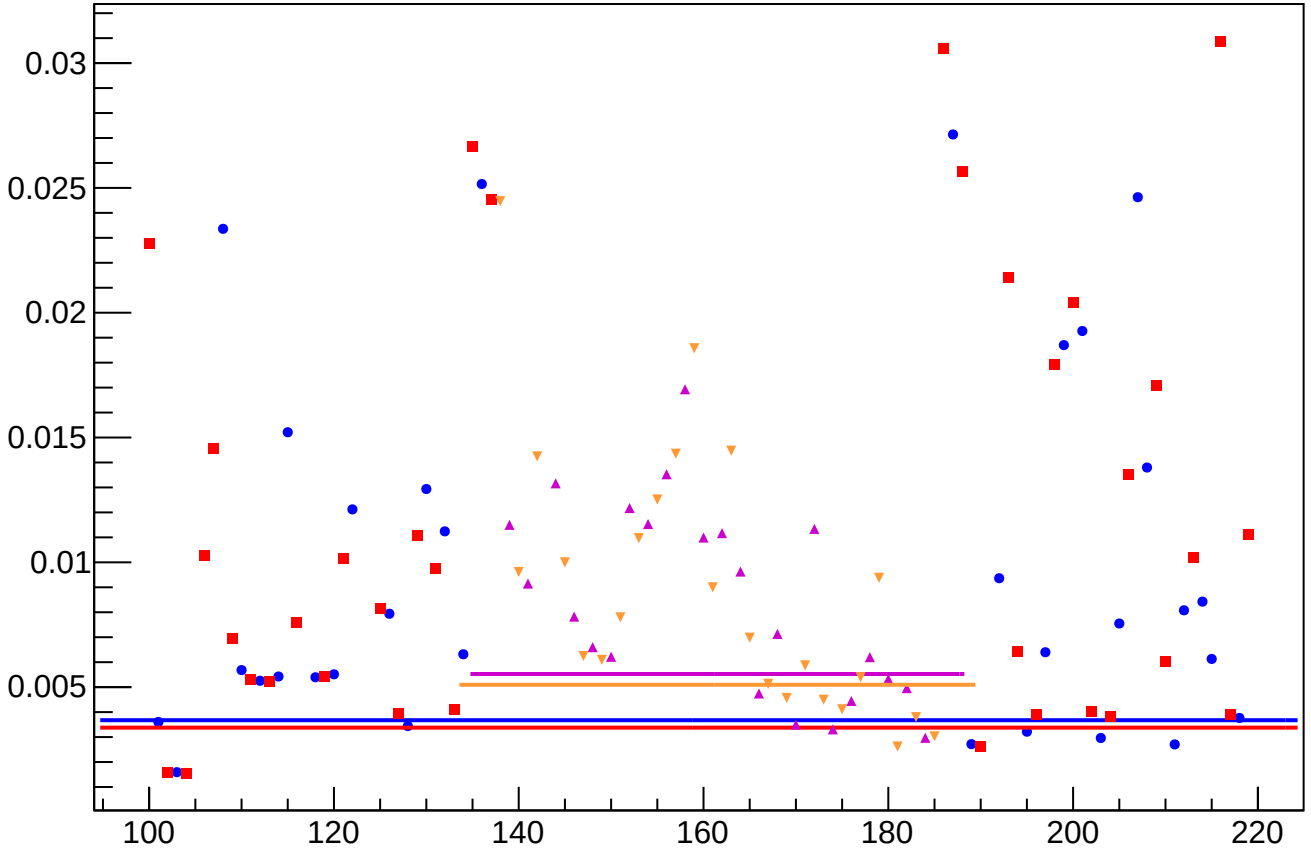
Right: -0.000+/-0.000 χ^2/NDF: 139.6/66

In: 0.000+/-0.000 χ^2/NDF:68.6/54

Out: -0.000+/-0.000 χ^2/NDF:127.2/58

All: -0.000+/-0.000 χ^2/NDF: 195.9/113

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 13415386.0/31

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 18033485.4/34

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

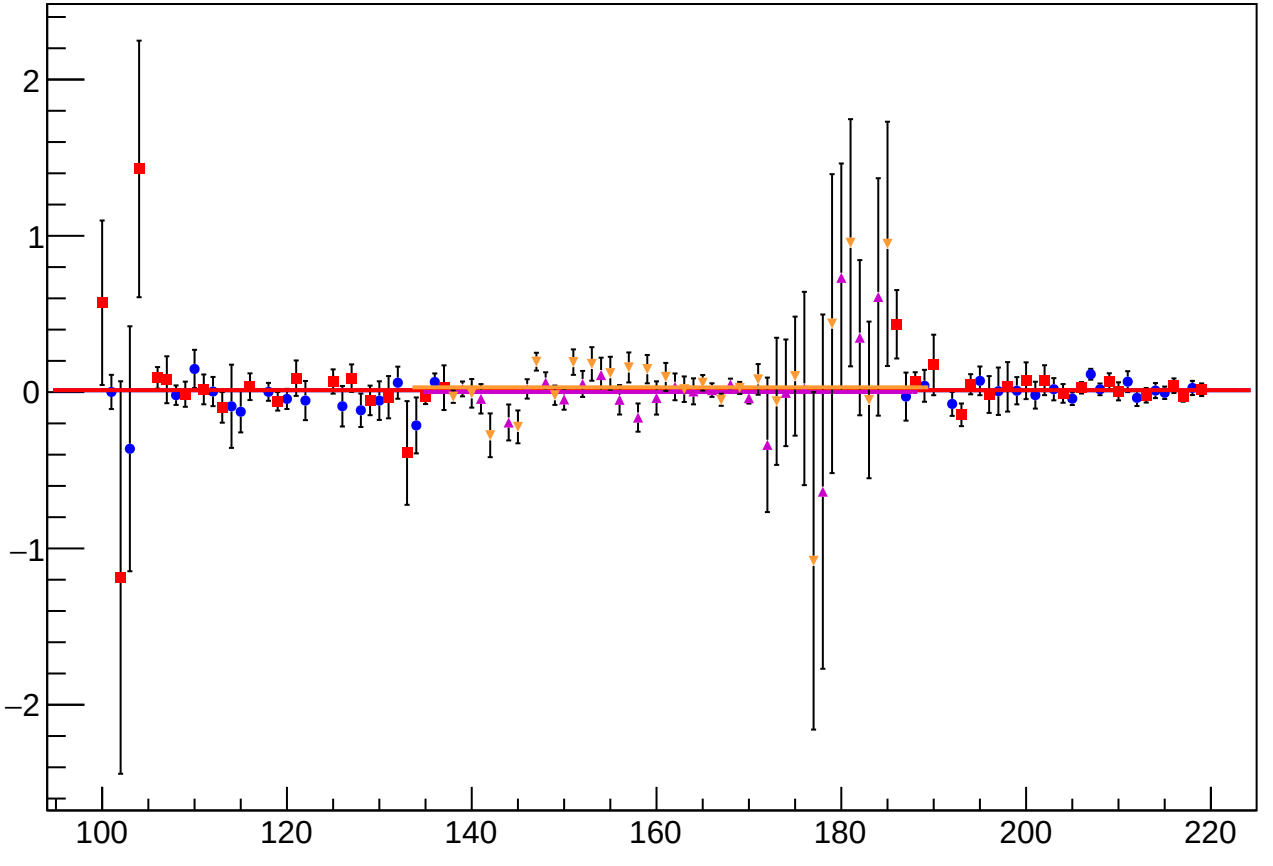
Right: 0.004+/-0.000 χ^2/NDF: 31525237.7/66

In: 0.004+/-0.000 χ^2/NDF:22268175.3/54

Out: 0.004+/-0.000 χ^2/NDF:28353892.6/58

All: 0.004+/-0.000 χ^2/NDF: 50757389.9/113

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.012 χ^2/NDF: 23.3/31

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.012 χ^2/NDF: 28.3/34

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

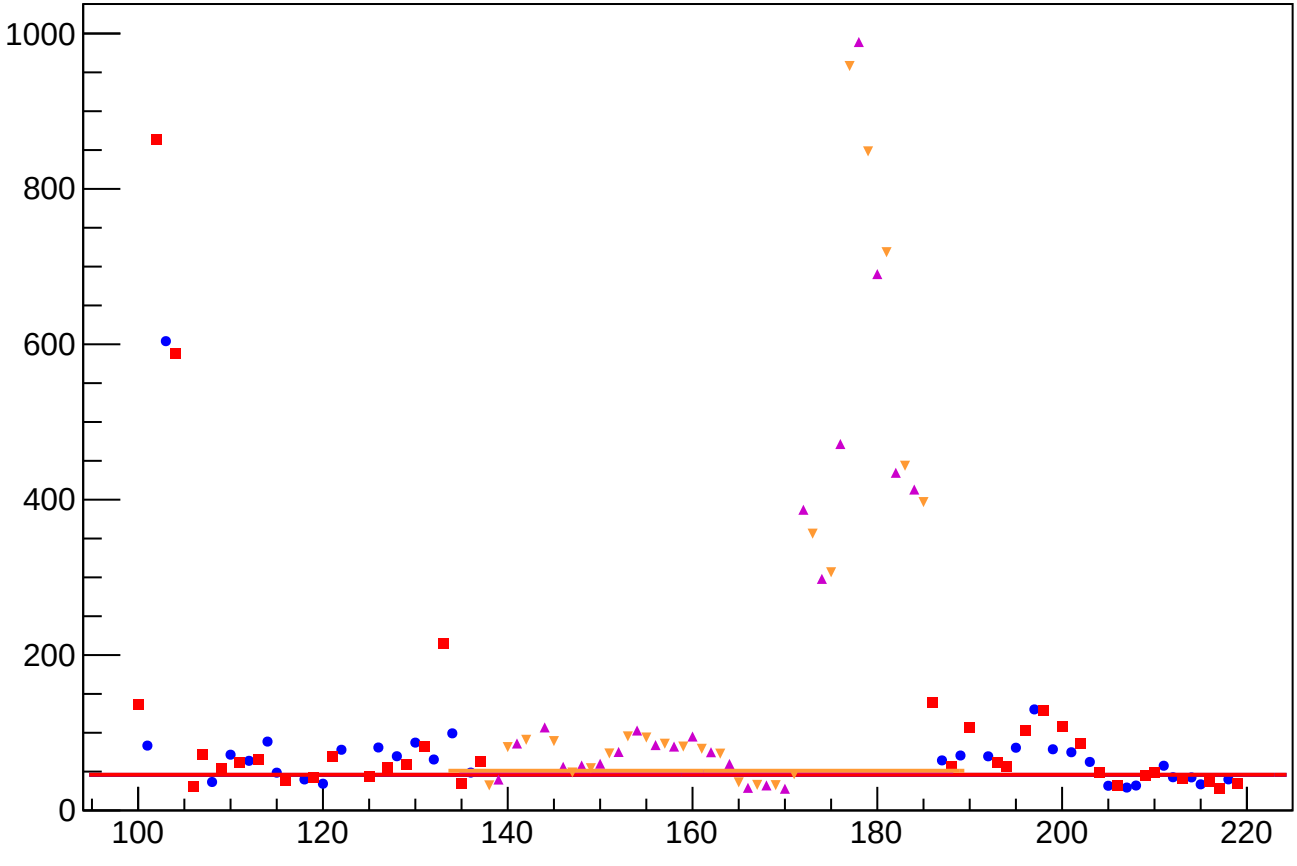
Right: 0.012+/-0.008 χ^2/NDF: 51.7/66

In: 0.008+/-0.009 χ^2/NDF:39.7/54

Out: 0.019+/-0.009 χ^2/NDF:70.7/58

All: 0.014+/-0.007 χ^2/NDF: 111.2/113

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.741+/-0.008 χ^2/NDF: 5583201.4/31

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 45.961+/-0.008 χ^2/NDF: 6765082.4/34

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

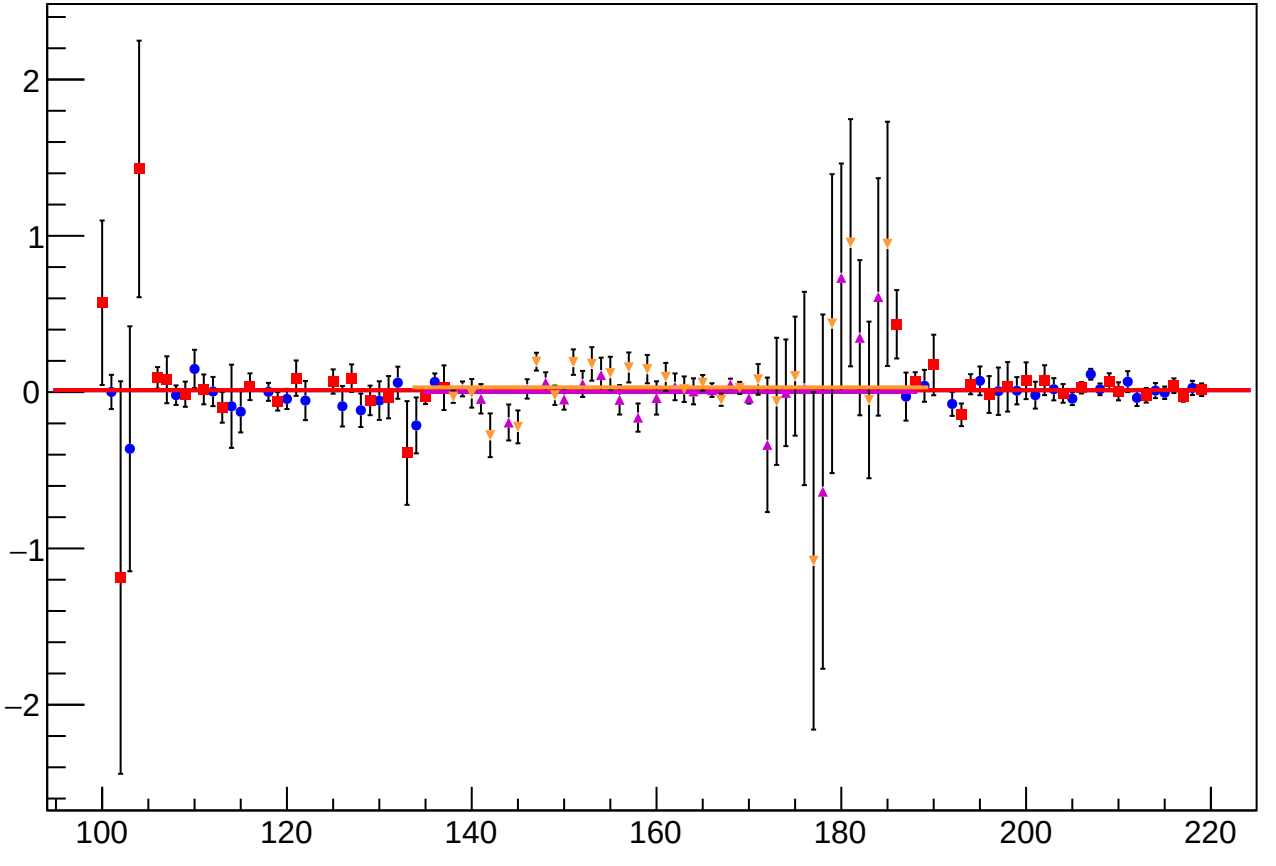
Right: 45.851+/-0.006 χ^2/NDF: 12348624.4/66

In: 47.442+/-0.007 χ^2/NDF:17887665.5/54

Out: 47.862+/-0.007 χ^2/NDF:18638761.1/58

All: 47.650+/-0.005 χ^2/NDF: 36528423.5/113

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.012 χ^2/NDF: 23.3/31

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.012 χ^2/NDF: 28.3/34

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

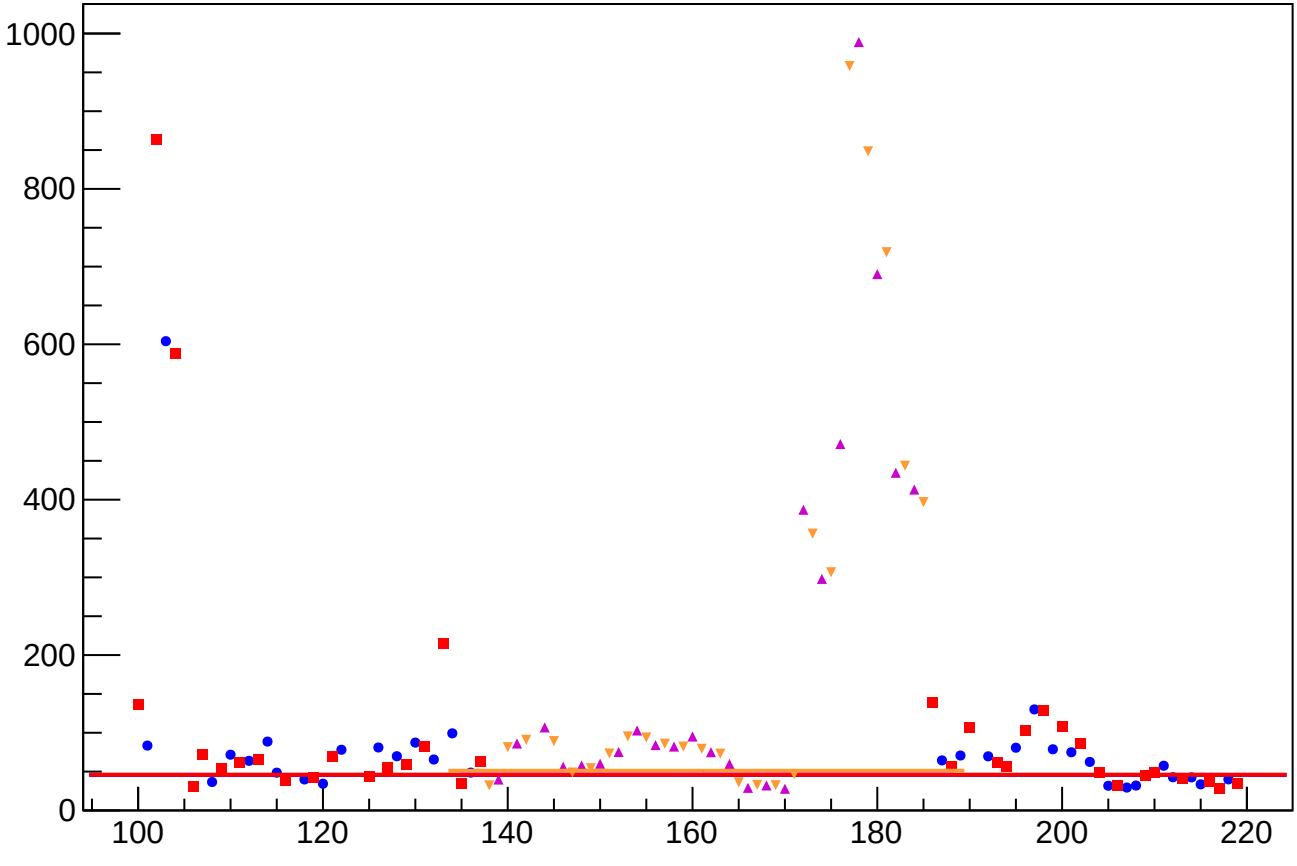
Right: 0.012+/-0.008 χ^2/NDF: 51.7/66

In: 0.008+/-0.009 χ^2/NDF:39.7/54

Out: 0.019+/-0.009 χ^2/NDF:70.7/58

All: 0.014+/-0.007 χ^2/NDF: 111.2/113

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.741+/-0.008 χ^2/NDF: 5583201.4/31

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 45.961+/-0.008 χ^2/NDF: 6765082.4/34

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

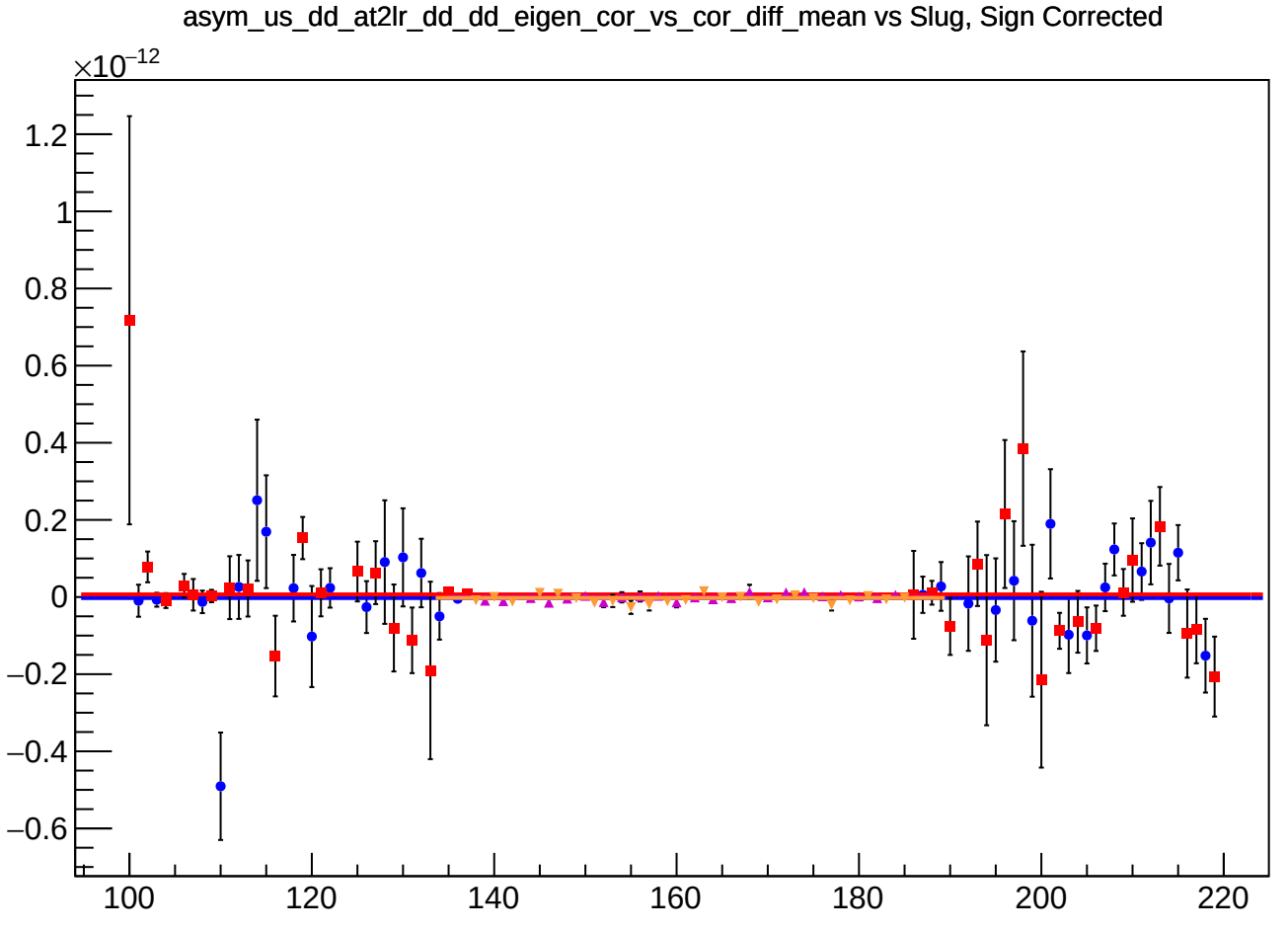
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

Right: 45.851+/-0.006 χ^2/NDF: 12348624.4/66

In: 47.442+/-0.007 χ^2/NDF:17887665.5/54

Out: 47.862+/-0.007 χ^2/NDF:18638761.1/58

All: 47.650+/-0.005 χ^2/NDF: 36528423.5/113



Right In: -0.000+/-0.000 χ^2/NDF: 35.2/31

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 43.8/34

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

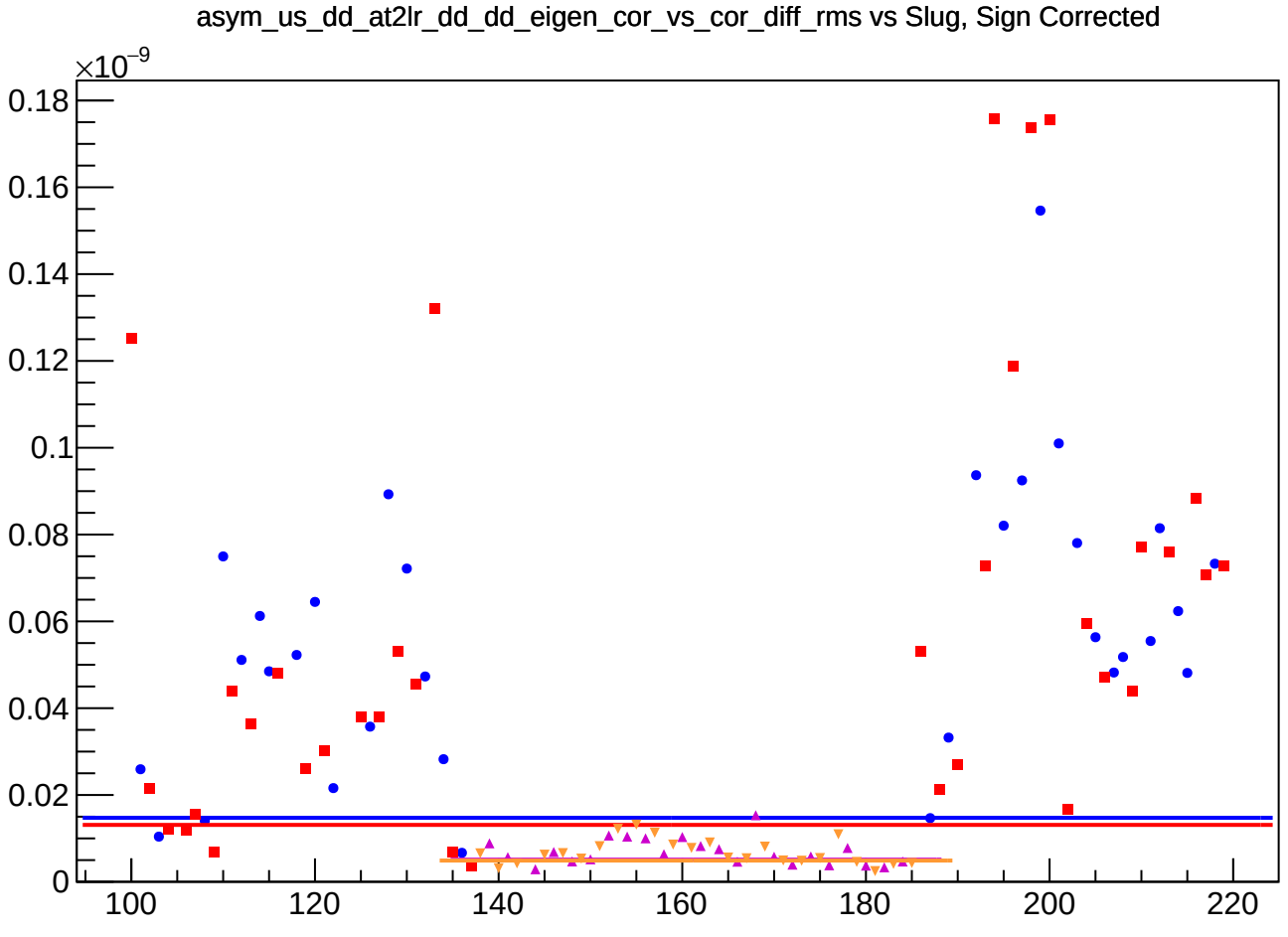
Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

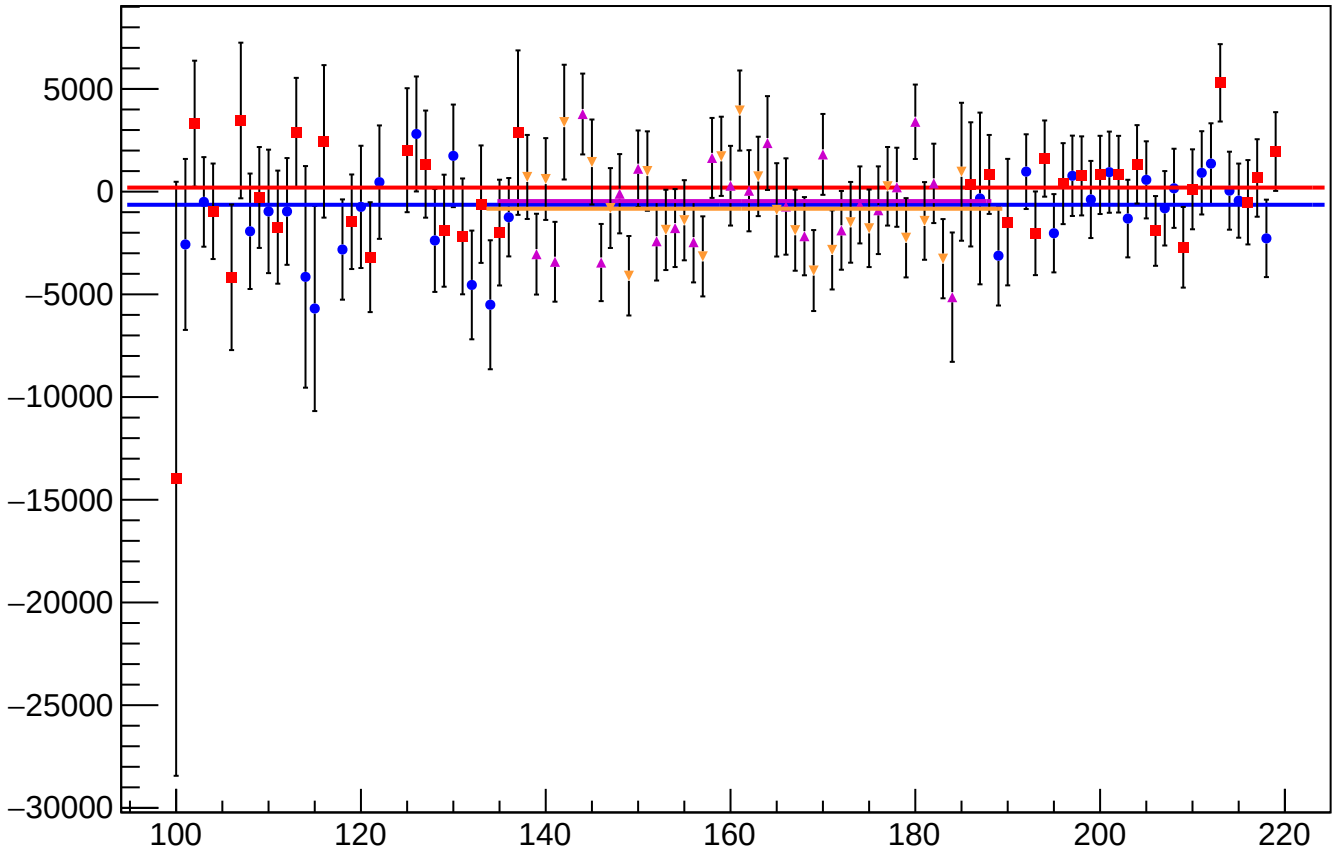
Right: 0.000+/-0.000 χ^2/NDF: 80.1/66

In: -0.000+/-0.000 χ^2/NDF:53.6/54

Out: -0.000+/-0.000 χ^2/NDF:68.1/58

All: -0.000+/-0.000 χ^2/NDF: 122.2/113


asym_us_dd_at2lr_dd_dd_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: 14830020.6/31
Left Out: 0.000+/-0.000 χ²/NDF:4312108.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 14966462.7/34
Left In: 0.000+/-0.000 χ²/NDF:3777059.0/22
Left: 0.000+/-0.000 χ²/NDF: 8107483.0/46
Right: 0.000+/-0.000 χ²/NDF: 29864761.8/66
In: 0.000+/-0.000 χ²/NDF:22793188.2/54
Out: 0.000+/-0.000 χ²/NDF:22722879.4/58
All: 0.000+/-0.000 χ²/NDF: 45546493.0/113



Right In: -639.003+/-400.984 χ^2/NDF: 17.2/31

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 197.938+/-393.355 χ^2/NDF: 26.6/34

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

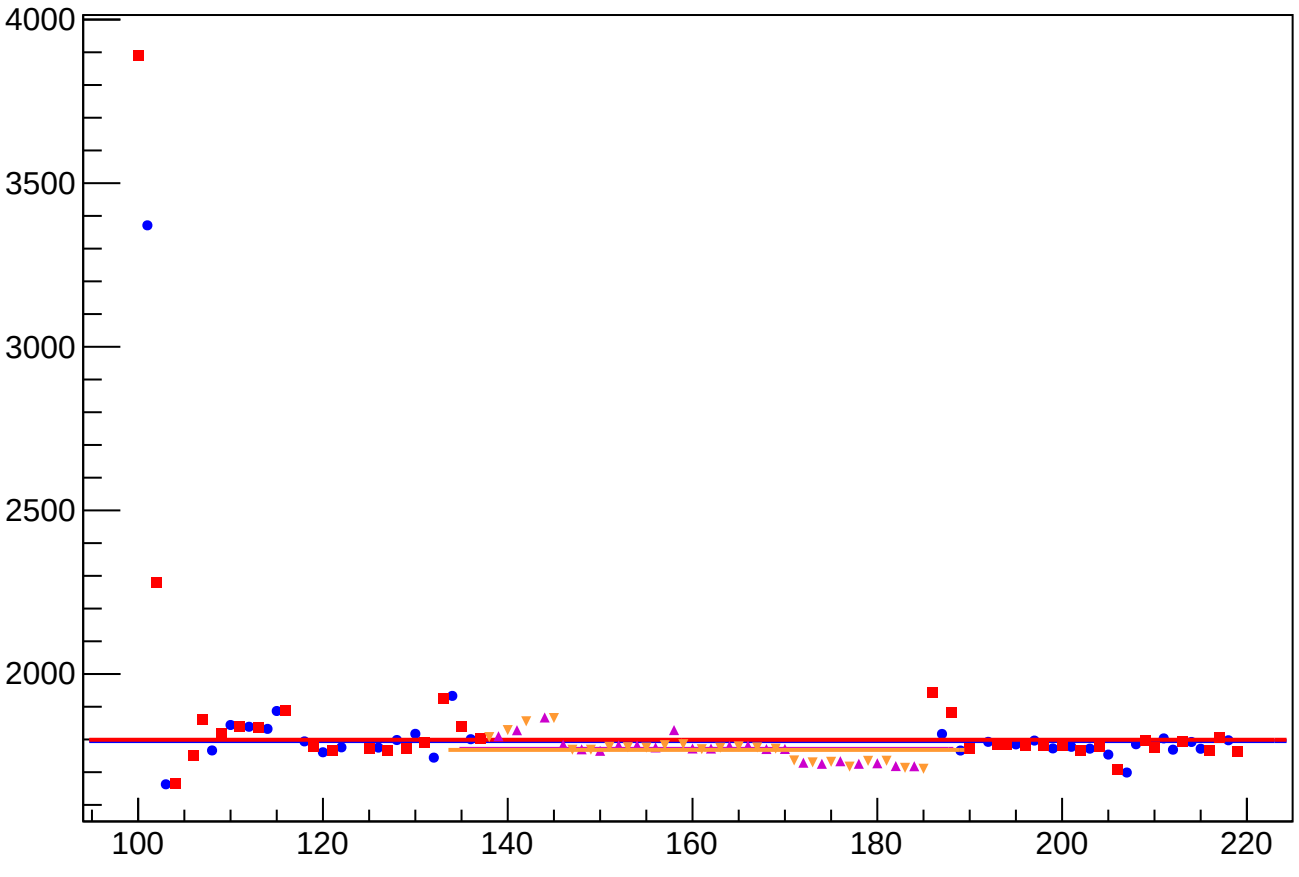
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -212.495+/-280.802 χ^2/NDF: 46.1/66

In: -552.085+/-287.908 χ^2/NDF:44.6/54

Out: -295.418+/-283.994 χ^2/NDF:55.3/58

All: -421.995+/-202.184 χ^2/NDF: 100.3/113



Right In: 1795.056+/-0.284 χ^2/NDF: 310014.5/31

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1799.076+/-0.278 χ^2/NDF: 123633.3/34

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

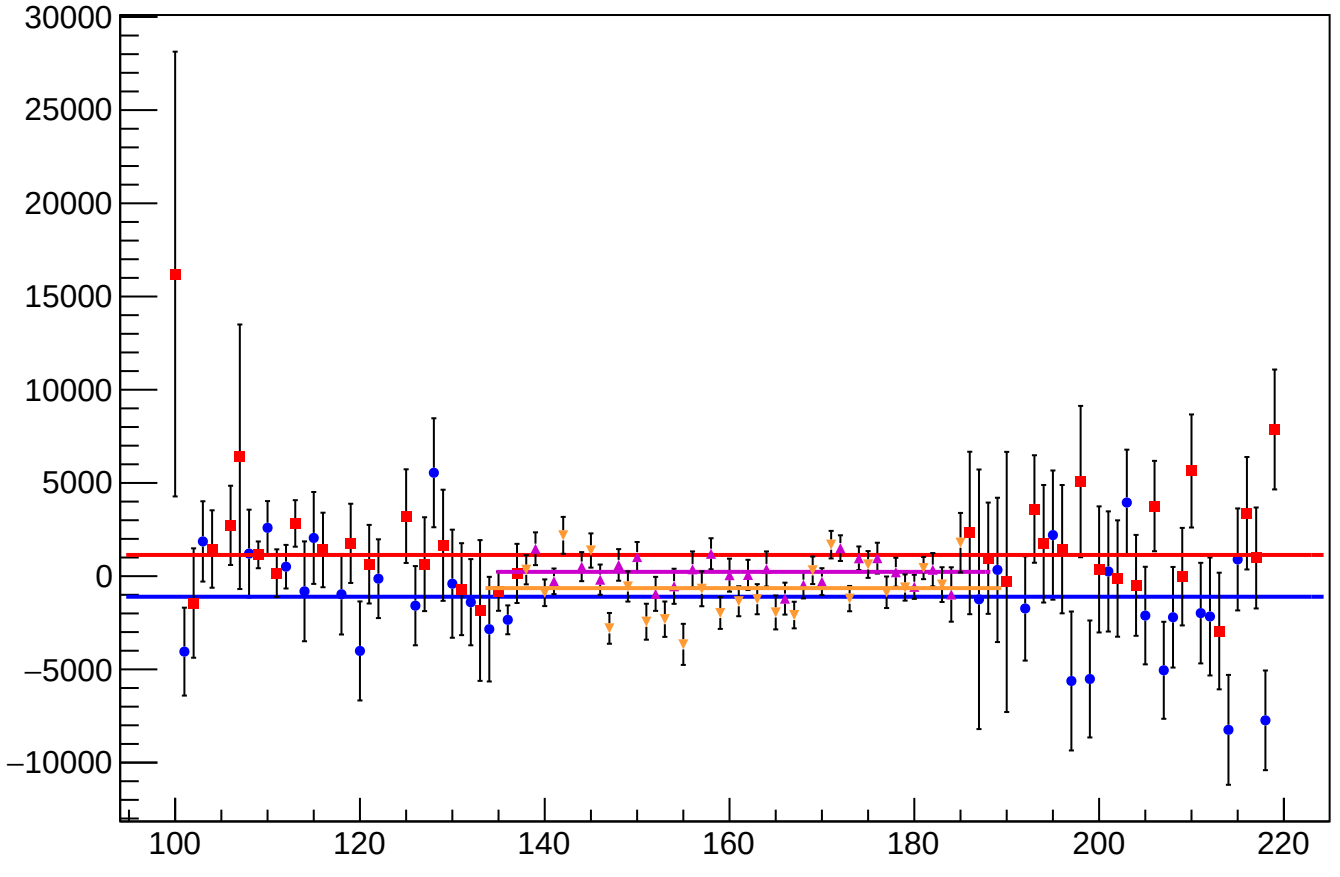
Right: 1797.105+/-0.199 χ^2/NDF: 433750.2/66

In: 1783.507+/-0.204 χ^2/NDF:329864.8/54

Out: 1784.259+/-0.201 χ^2/NDF:145919.5/58

All: 1783.888+/-0.143 χ^2/NDF: 475791.2/113

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1104.498+/-381.659 χ^2/NDF: 47.6/31

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: 1137.409+/-349.022 χ^2/NDF: 24.5/34

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

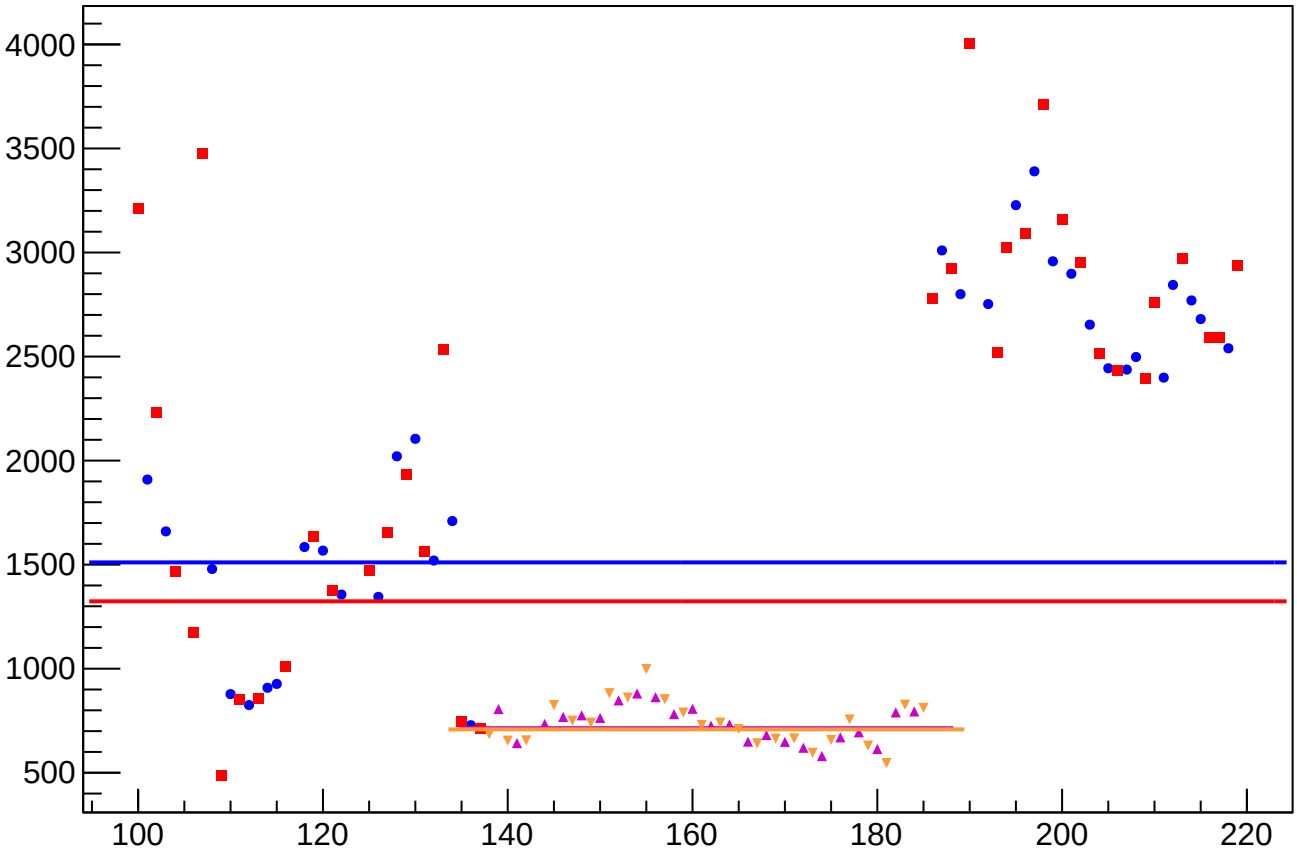
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

Right: 116.396+/-257.562 χ^2/NDF: 90.8/66

In: 13.252+/-154.007 χ^2/NDF:77.7/54

Out: -311.496+/-150.239 χ^2/NDF:112.3/58

All: -153.144+/-107.542 χ^2/NDF: 192.3/113



Right In: 1510.826+/-0.270 χ^2/NDF: 8779961.7/31

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1323.810+/-0.247 χ^2/NDF: 12873705.5/34

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

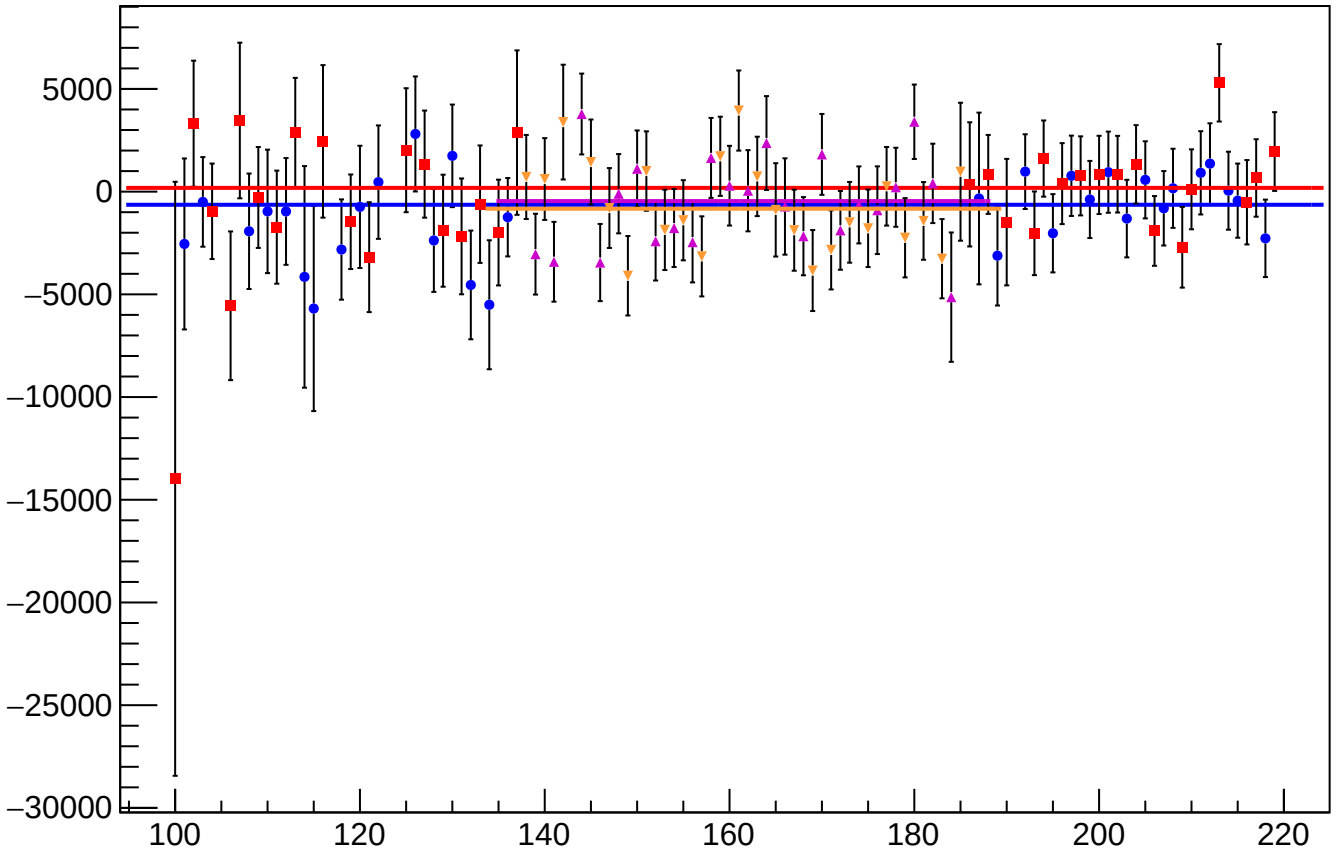
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1408.981+/-0.182 χ^2/NDF: 21915183.8/66

In: 843.882+/-0.109 χ^2/NDF:16572519.9/54

Out: 822.515+/-0.106 χ^2/NDF:18638374.8/58

All: 832.934+/-0.076 χ^2/NDF: 35230619.9/1



Right In: -638.786+/-400.984 χ^2/NDF: 17.2/31

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 183.712+/-393.454 χ^2/NDF: 27.6/34

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

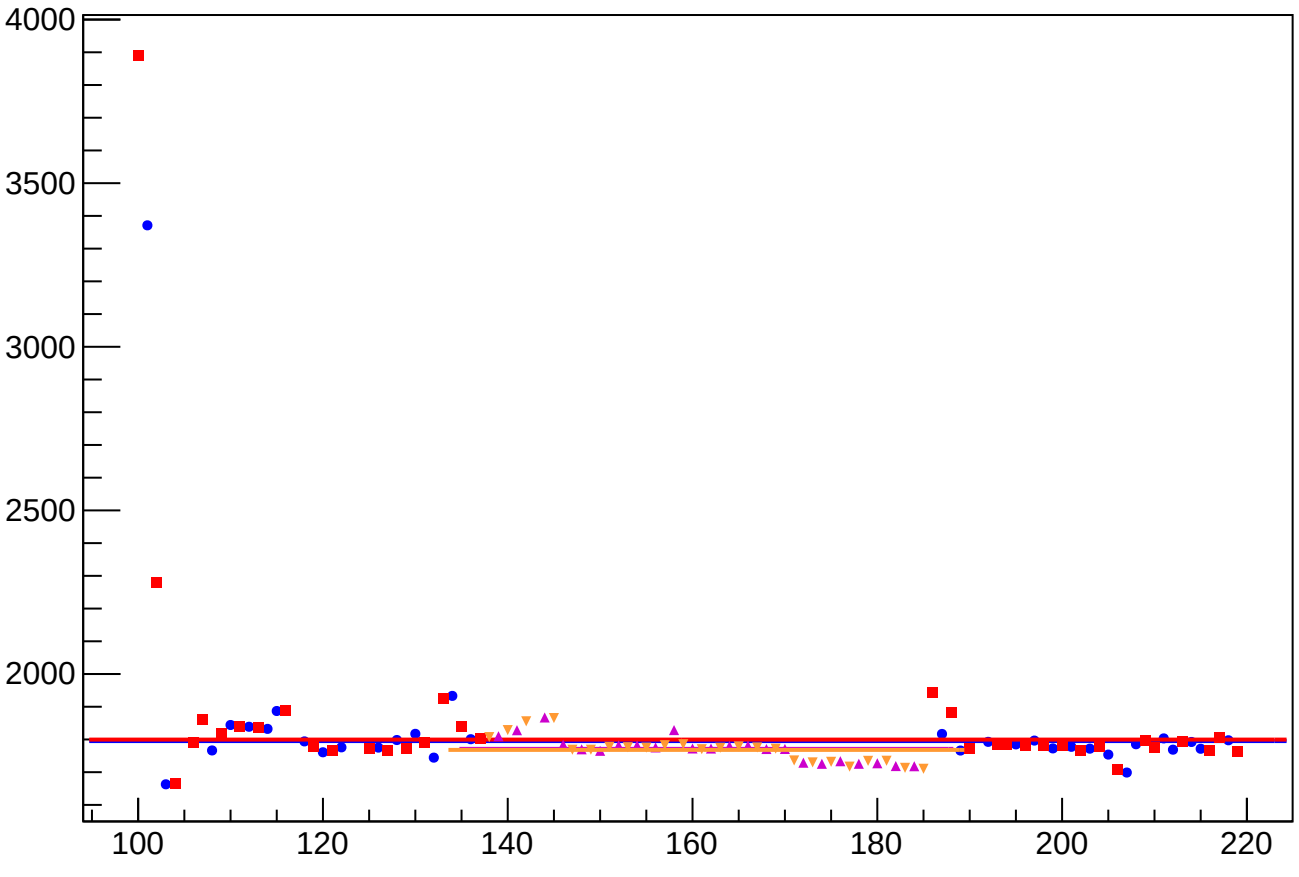
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -219.742+/-280.838 χ^2/NDF: 47.0/66

In: -551.953+/-287.908 χ^2/NDF:44.6/54

Out: -302.910+/-284.032 χ^2/NDF:56.2/58

All: -425.744+/-202.197 χ^2/NDF: 101.2/113



Right In: 1795.056+/-0.284 χ^2/NDF: 310016.3/31

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1799.584+/-0.278 χ^2/NDF: 123264.9/34

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

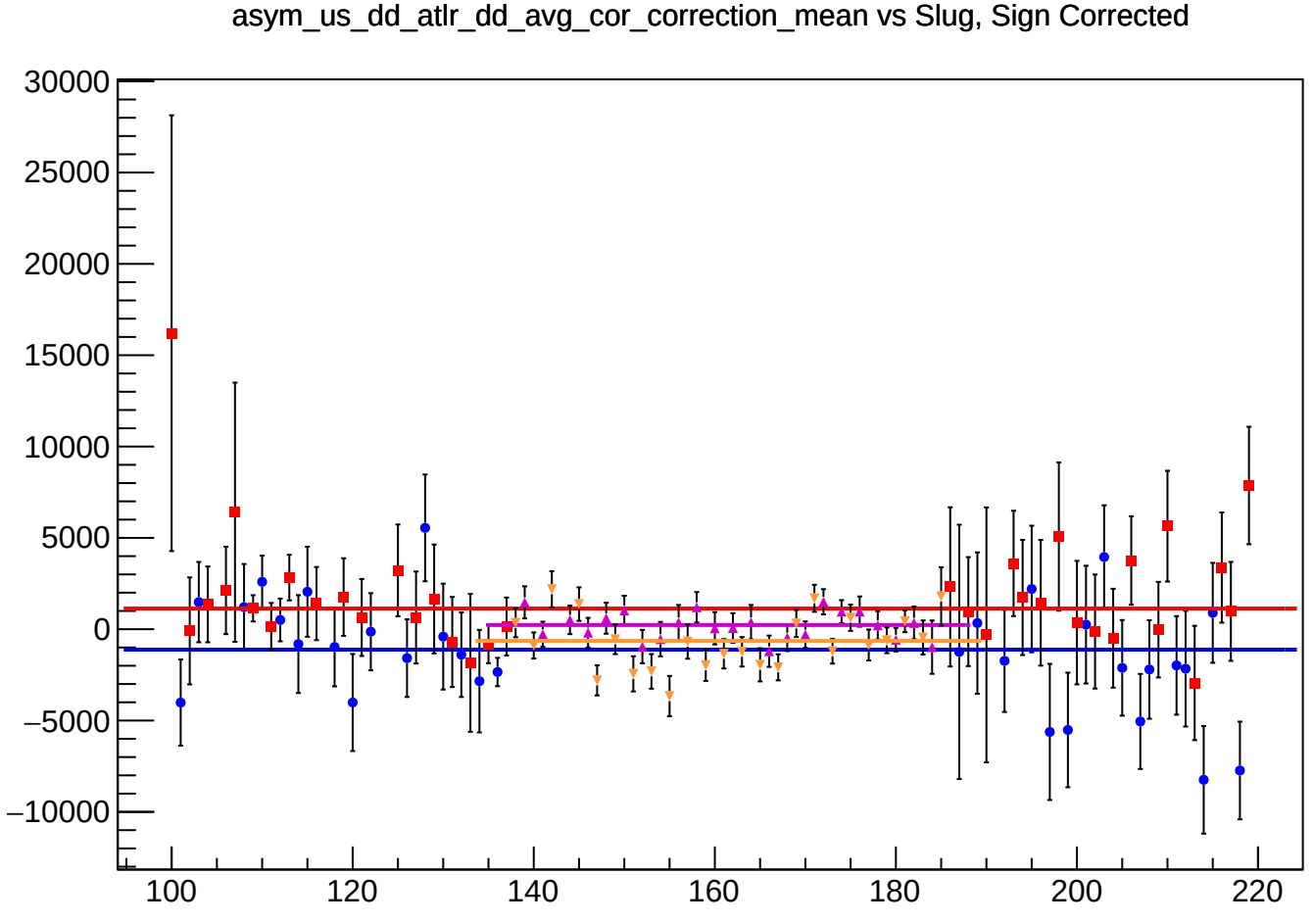
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1797.363+/-0.199 χ^2/NDF: 433411.1/66

In: 1783.507+/-0.204 χ^2/NDF:329866.6/54

Out: 1784.519+/-0.201 χ^2/NDF:145745.7/58

All: 1784.020+/-0.143 χ^2/NDF: 475624.8/113



Right In: -1118.941+/-381.897 χ^2/NDF: 47.0/31

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1131.700+/-349.993 χ^2/NDF: 23.5/34

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

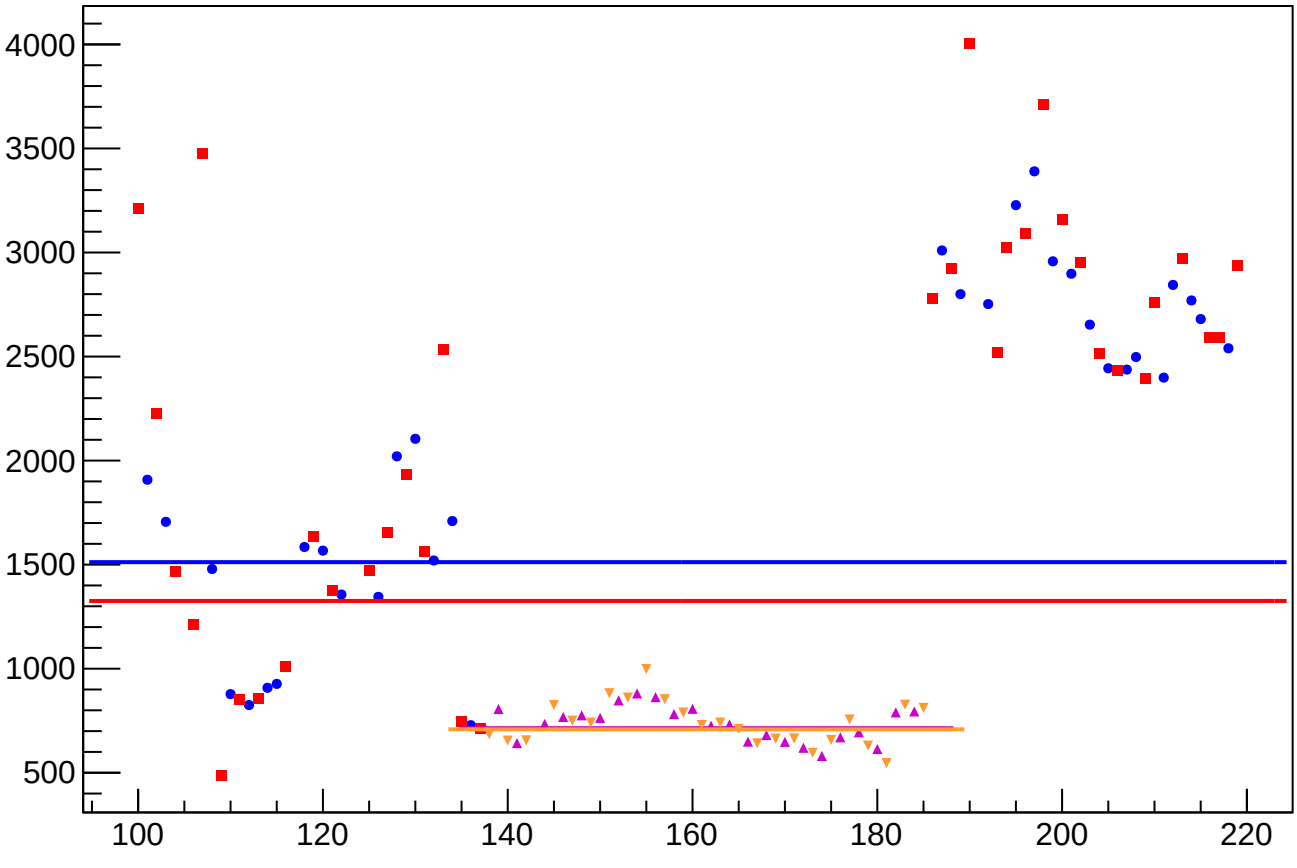
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 104.303+/-258.026 χ^2/NDF: 89.4/66

In: 11.060+/-154.024 χ^2/NDF:77.4/54

Out: -314.015+/-150.317 χ^2/NDF:111.1/58

All: -155.436+/-107.577 χ^2/NDF: 190.8/113



Right In: 1512.020+/-0.270 χ^2/NDF: 8785779.8/31

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1325.437+/-0.247 χ^2/NDF: 12867170.0/34

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

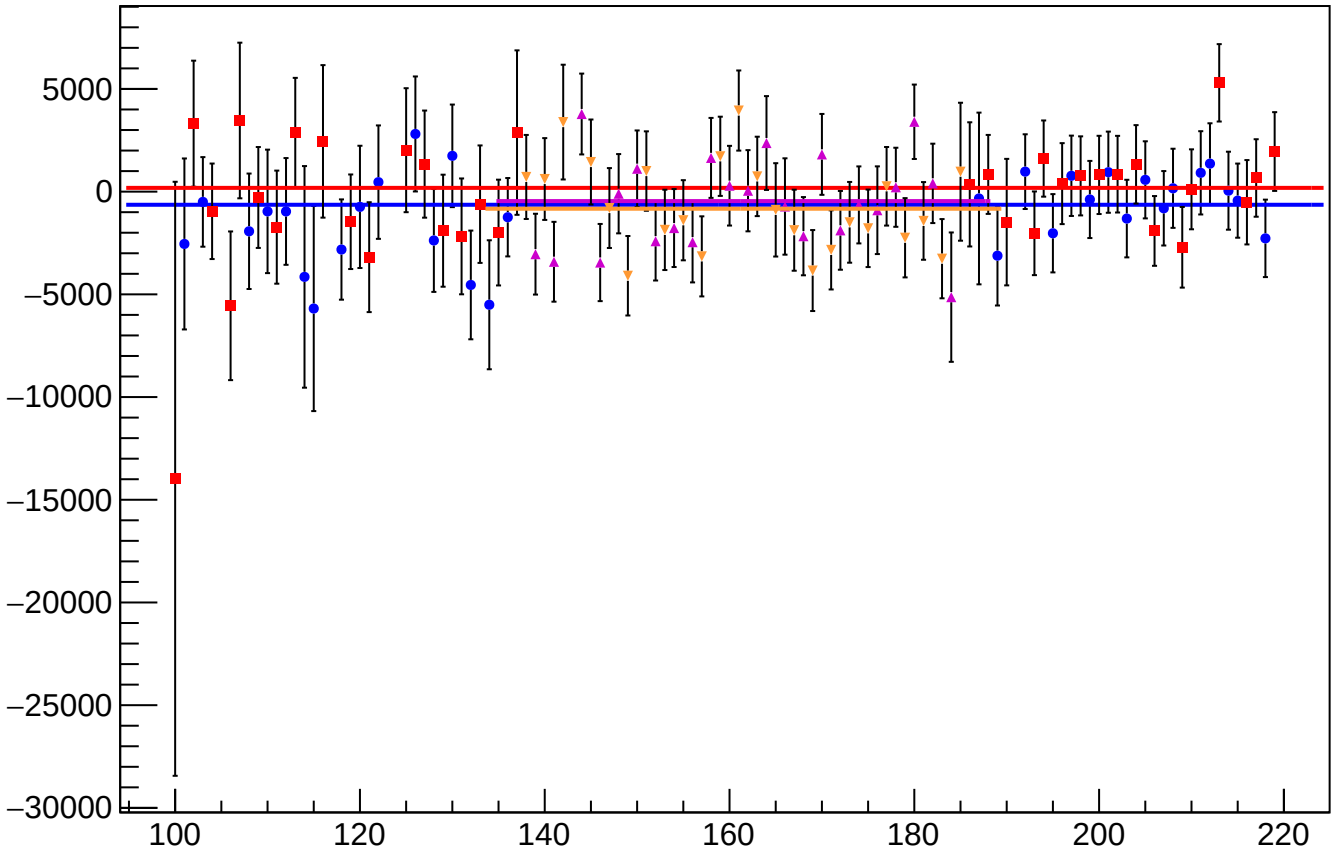
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1410.610+/-0.182 χ^2/NDF: 21912420.9/66

In: 843.947+/-0.109 χ^2/NDF:16592454.1/54

Out: 822.306+/-0.106 χ^2/NDF:18635509.2/58

All: 832.863+/-0.076 χ^2/NDF: 35248186.2/11



Right In: -638.786+/-400.984 χ^2/NDF: 17.2/31

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 183.712+/-393.454 χ^2/NDF: 27.6/34

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

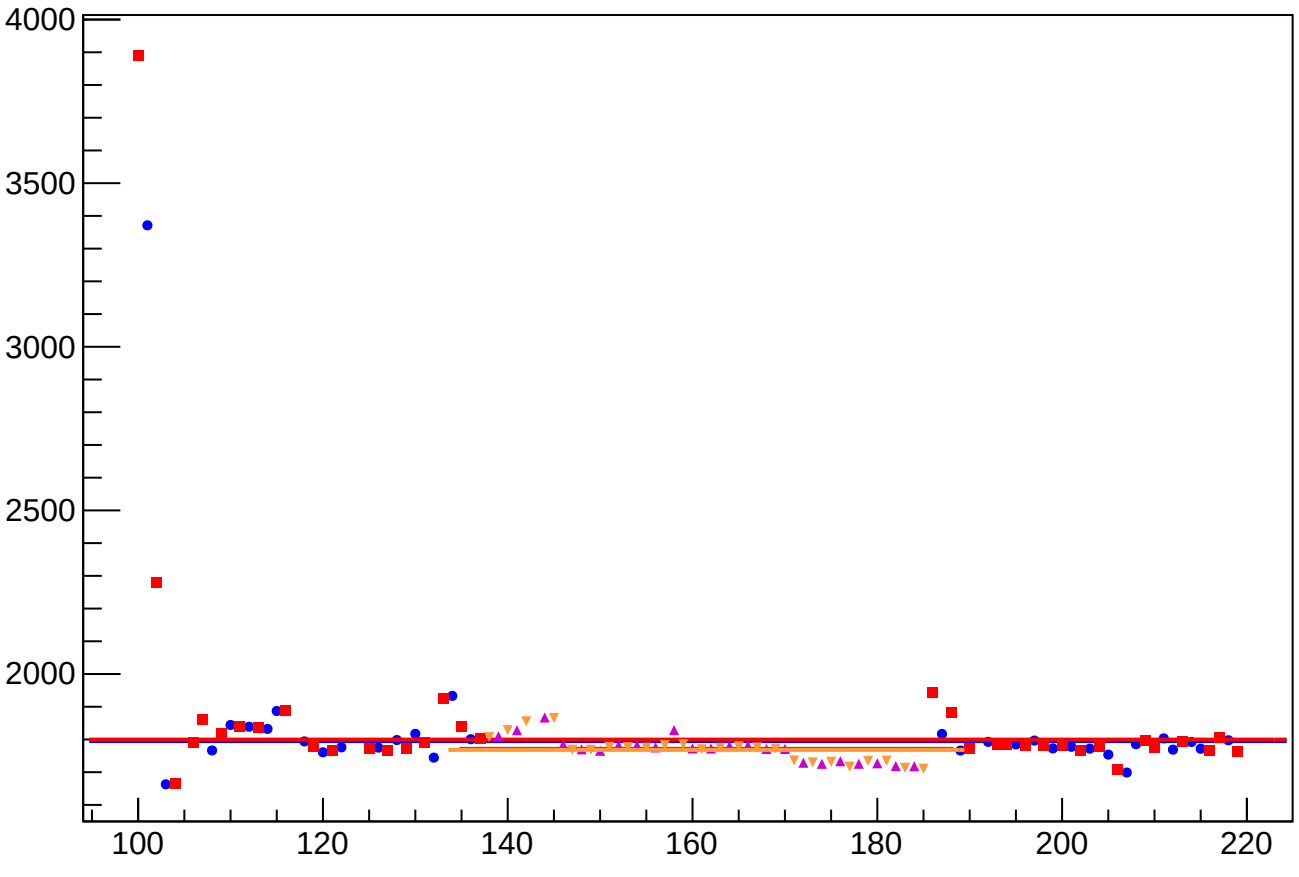
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -219.742+/-280.838 χ^2/NDF: 47.0/66

In: -551.953+/-287.908 χ^2/NDF:44.6/54

Out: -302.910+/-284.032 χ^2/NDF:56.2/58

All: -425.744+/-202.197 χ^2/NDF: 101.2/113



Right In: 1795.056+/-0.284 χ^2/NDF: 310016.3/31

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1799.584+/-0.278 χ^2/NDF: 123264.9/34

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

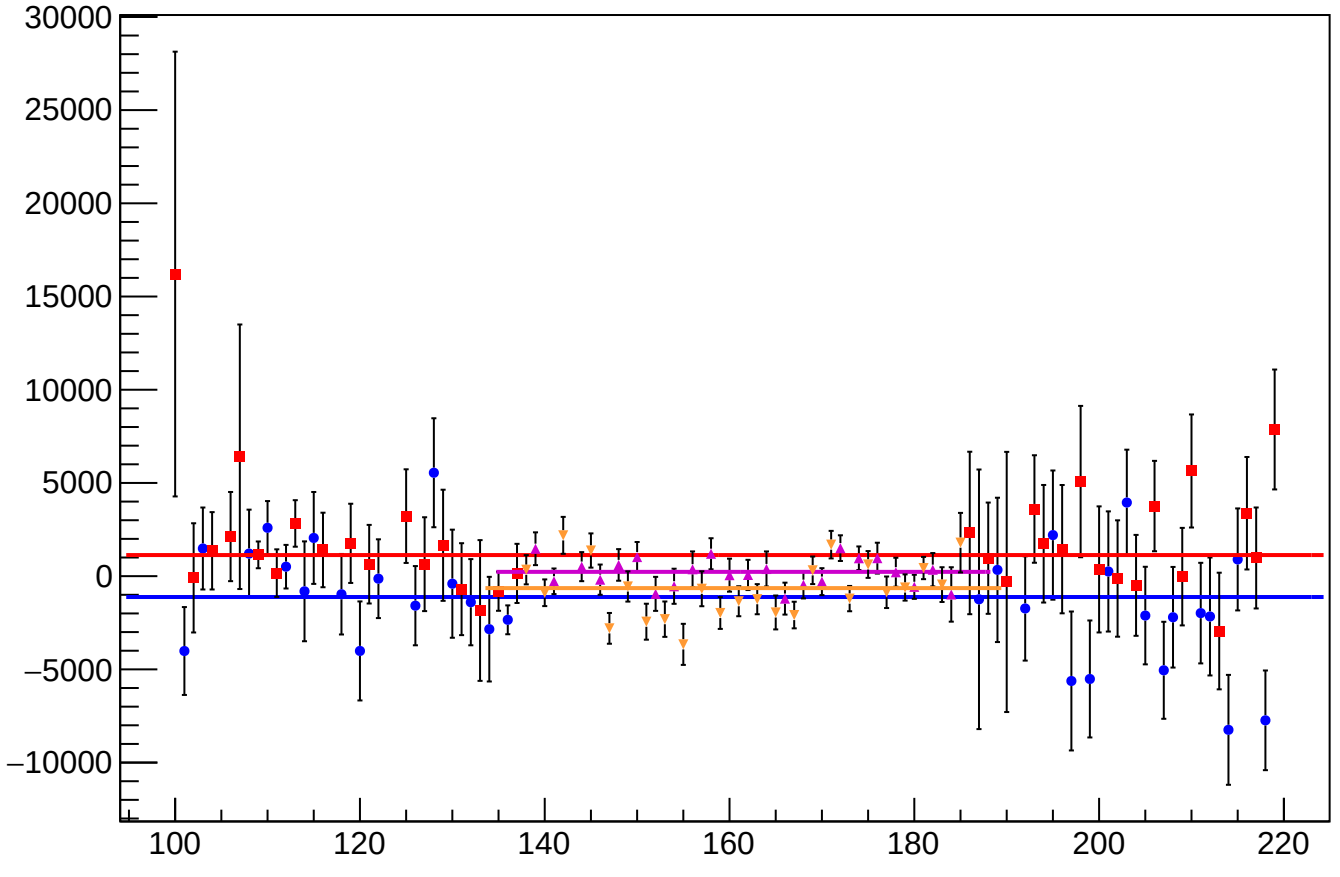
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1797.363+/-0.199 χ^2/NDF: 433411.1/66

In: 1783.507+/-0.204 χ^2/NDF:329866.6/54

Out: 1784.519+/-0.201 χ^2/NDF:145745.7/58

All: 1784.020+/-0.143 χ^2/NDF: 475624.8/113



Right In: -1118.941+/-381.897 χ^2/NDF: 47.0/31

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1131.700+/-349.993 χ^2/NDF: 23.5/34

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

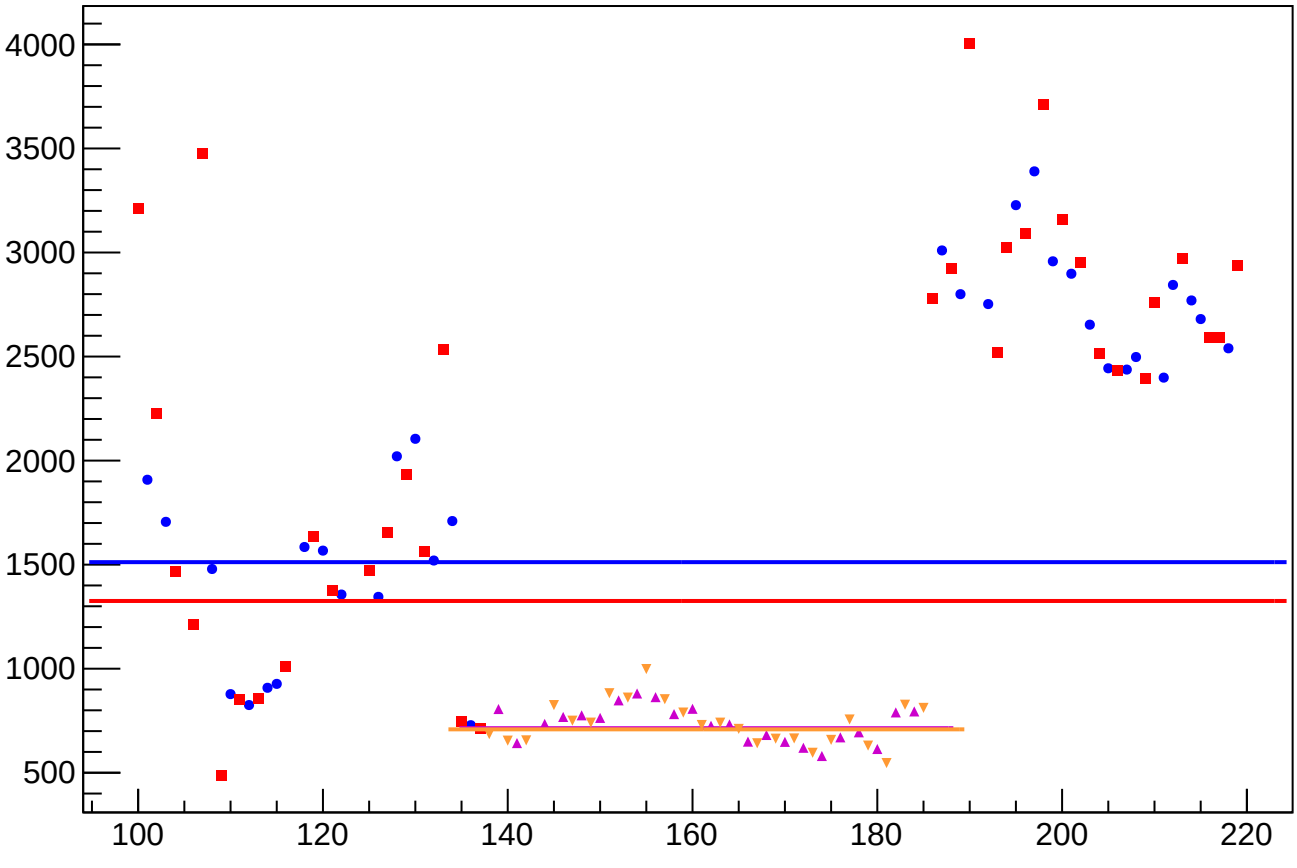
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 104.303+/-258.026 χ^2/NDF: 89.4/66

In: 11.060+/-154.024 χ^2/NDF:77.4/54

Out: -314.015+/-150.317 χ^2/NDF:111.1/58

All: -155.436+/-107.577 χ^2/NDF: 190.8/113



Right In: 1512.020+/-0.270 χ^2/NDF: 8785779.8/31

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1325.437+/-0.247 χ^2/NDF: 12867170.0/34

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

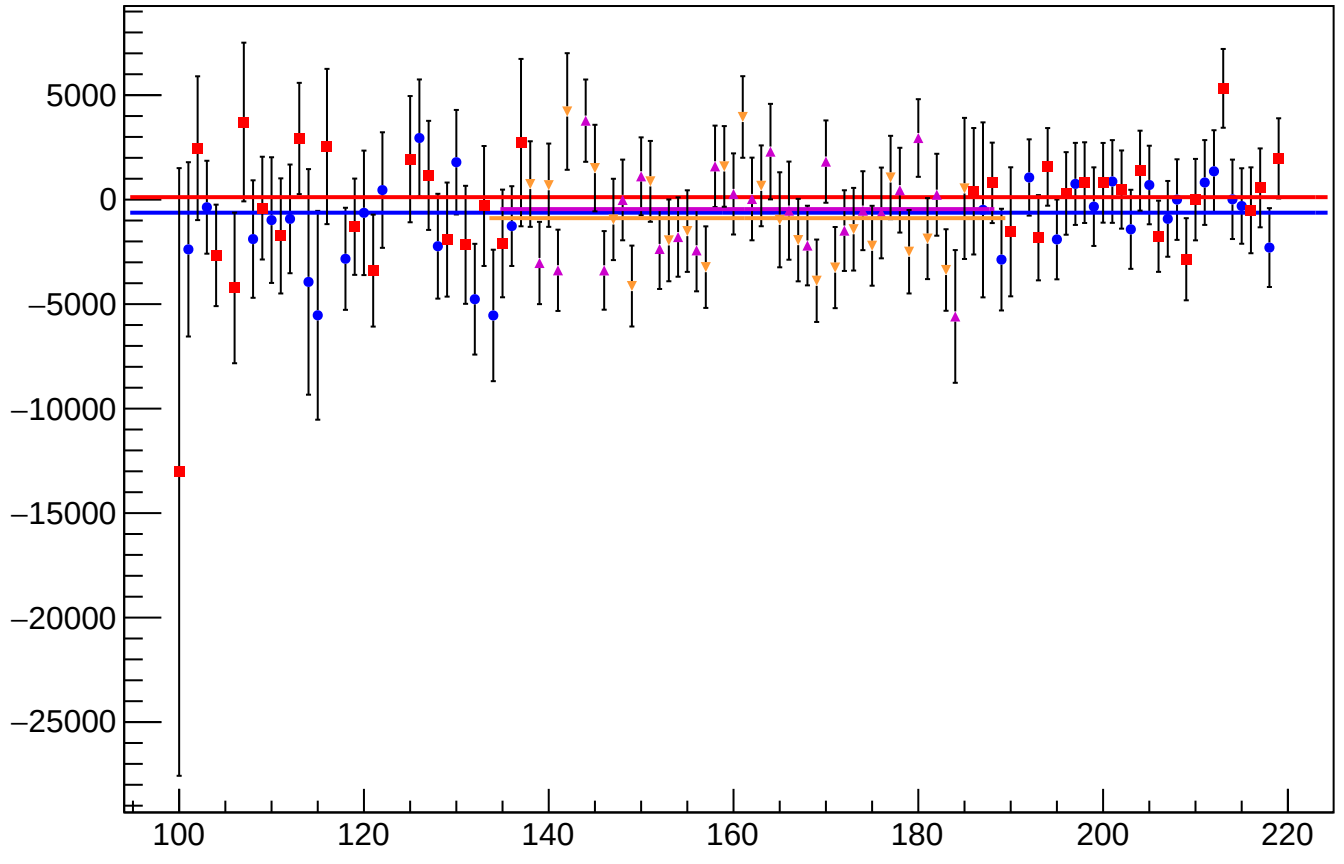
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1410.610+/-0.182 χ^2/NDF: 21912420.9/66

In: 843.947+/-0.109 χ^2/NDF:16592454.1/54

Out: 822.306+/-0.106 χ^2/NDF:18635509.2/58

All: 832.863+/-0.076 χ^2/NDF: 35248186.2/11



Right In: -625.081+/-401.791 χ^2/NDF: 17.2/31

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 118.256+/-395.127 χ^2/NDF: 26.9/34

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

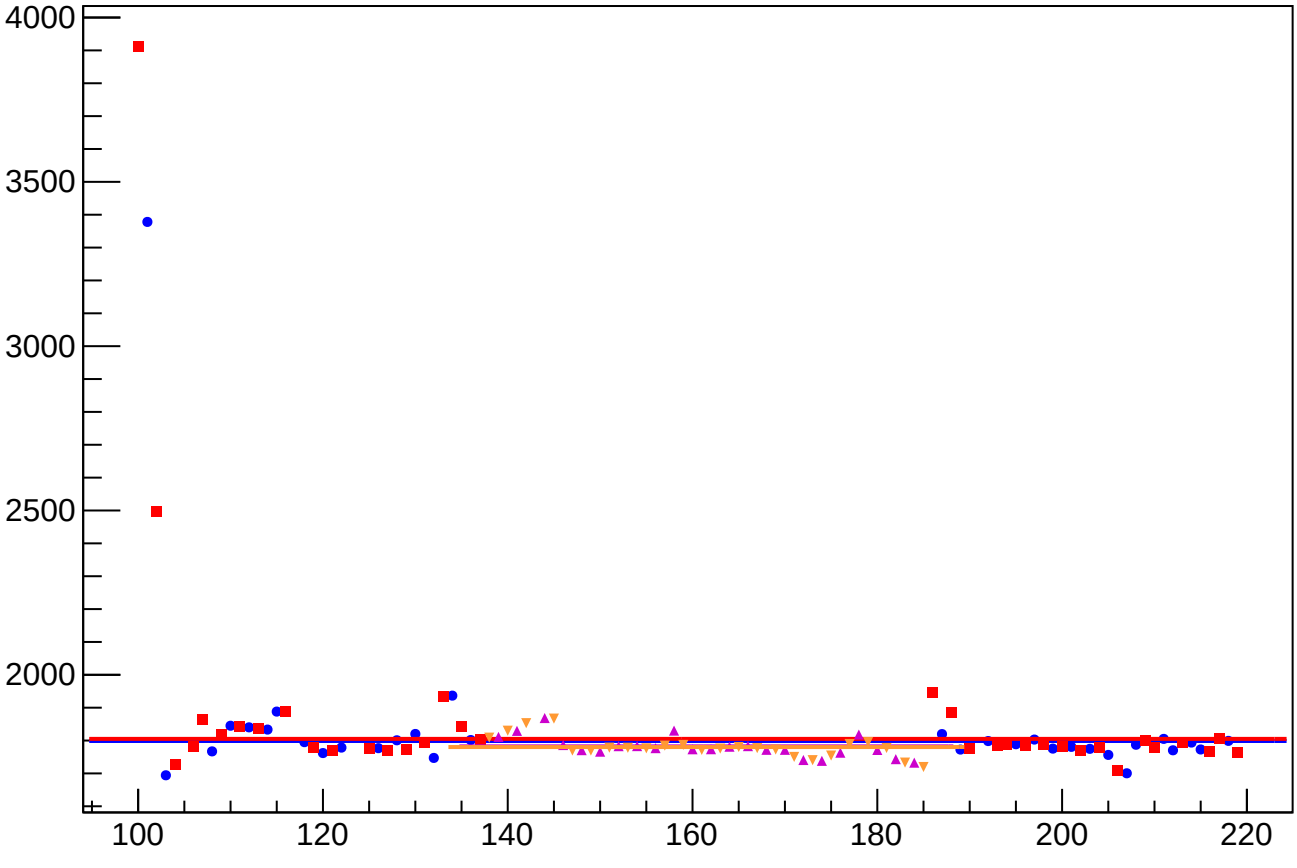
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -247.196+/-281.723 χ^2/NDF: 45.8/66

In: -542.185+/-289.069 χ^2/NDF:43.1/54

Out: -361.565+/-285.581 χ^2/NDF:58.1/58

All: -450.779+/-203.158 χ^2/NDF: 101.4/113



Right In: 1798.692+/-0.284 χ^2/NDF: 307467.5/31

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1805.064+/-0.279 χ^2/NDF: 151464.4/34

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

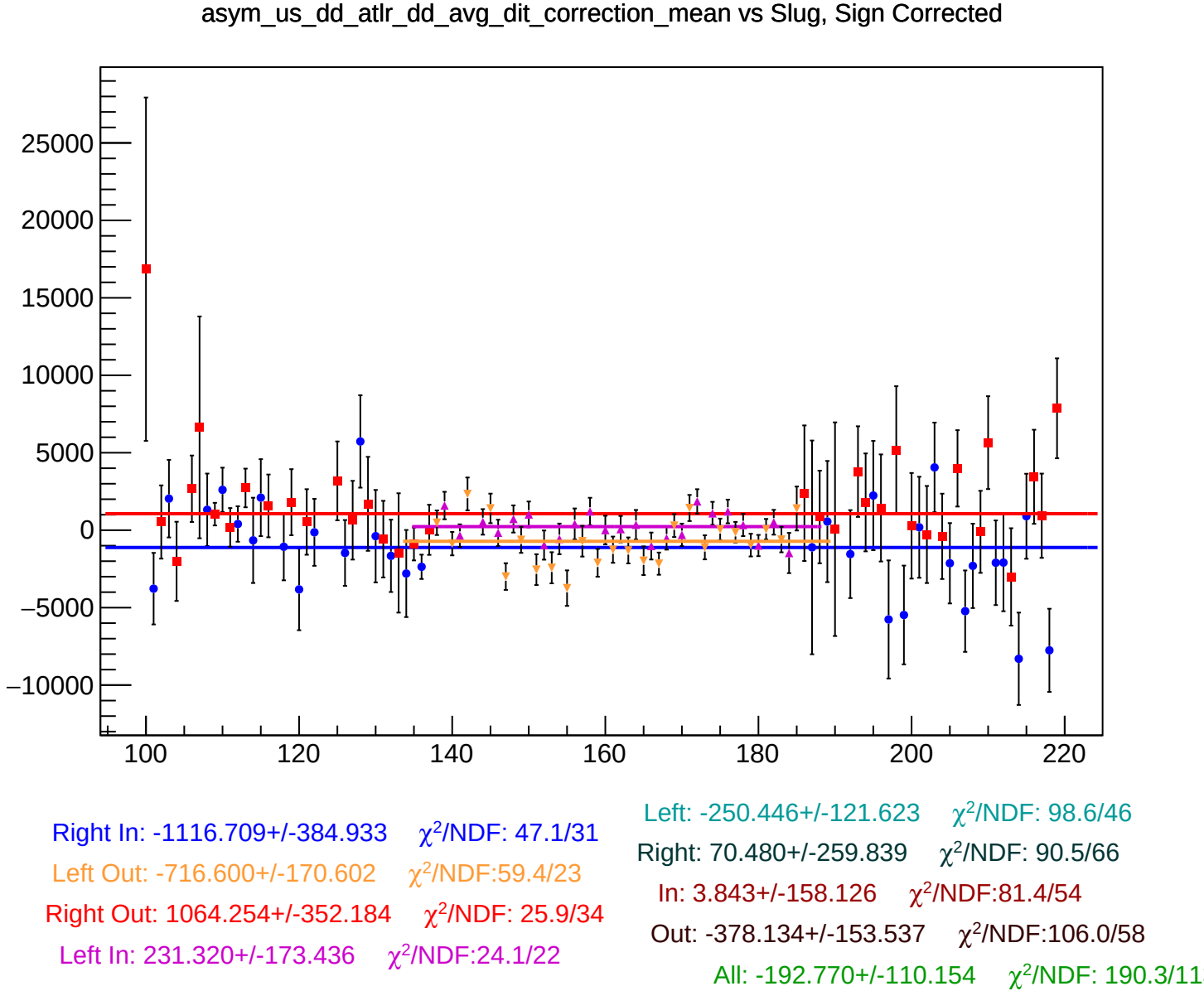
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

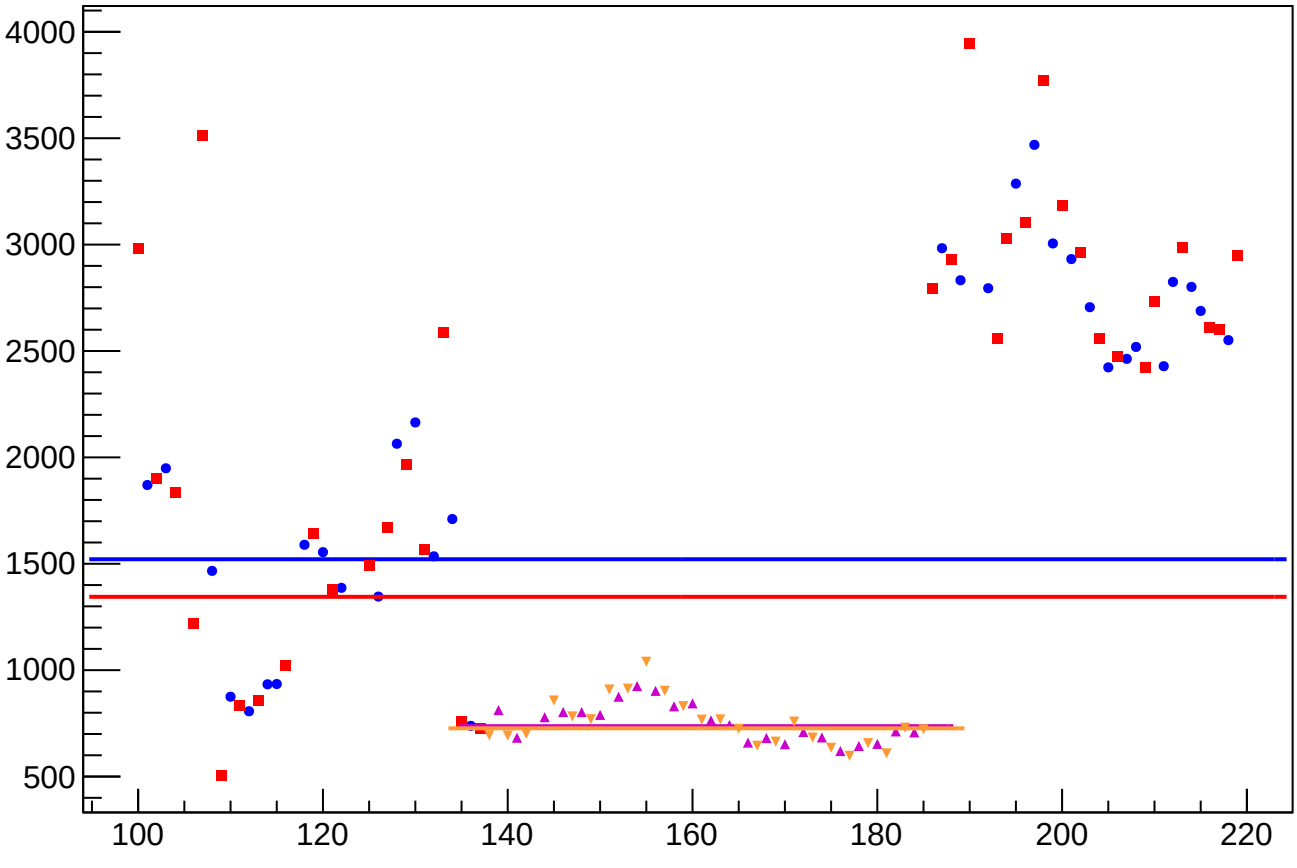
Right: 1801.932+/-0.199 χ^2/NDF: 459187.5/66

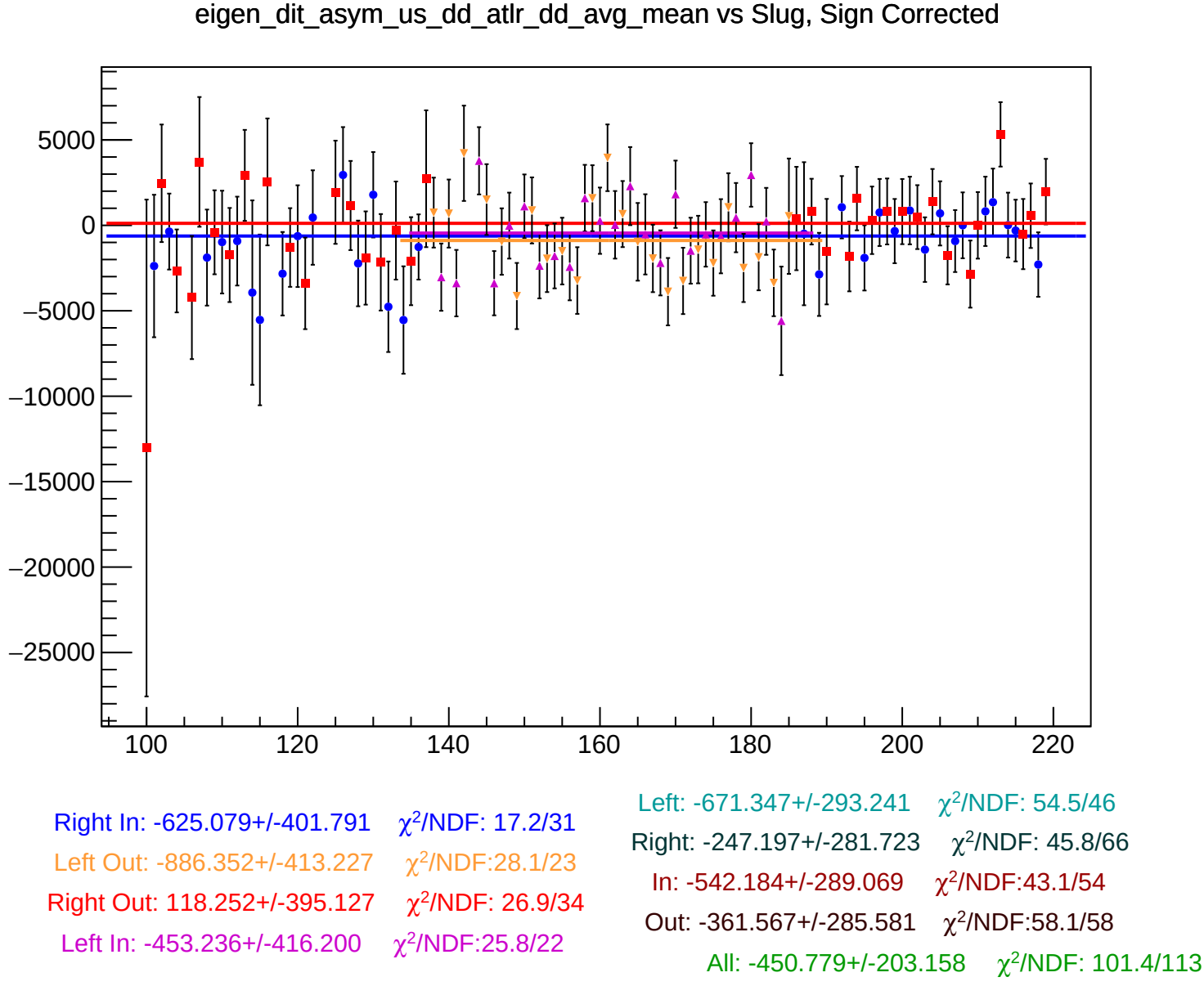
In: 1790.784+/-0.204 χ^2/NDF:320305.9/54

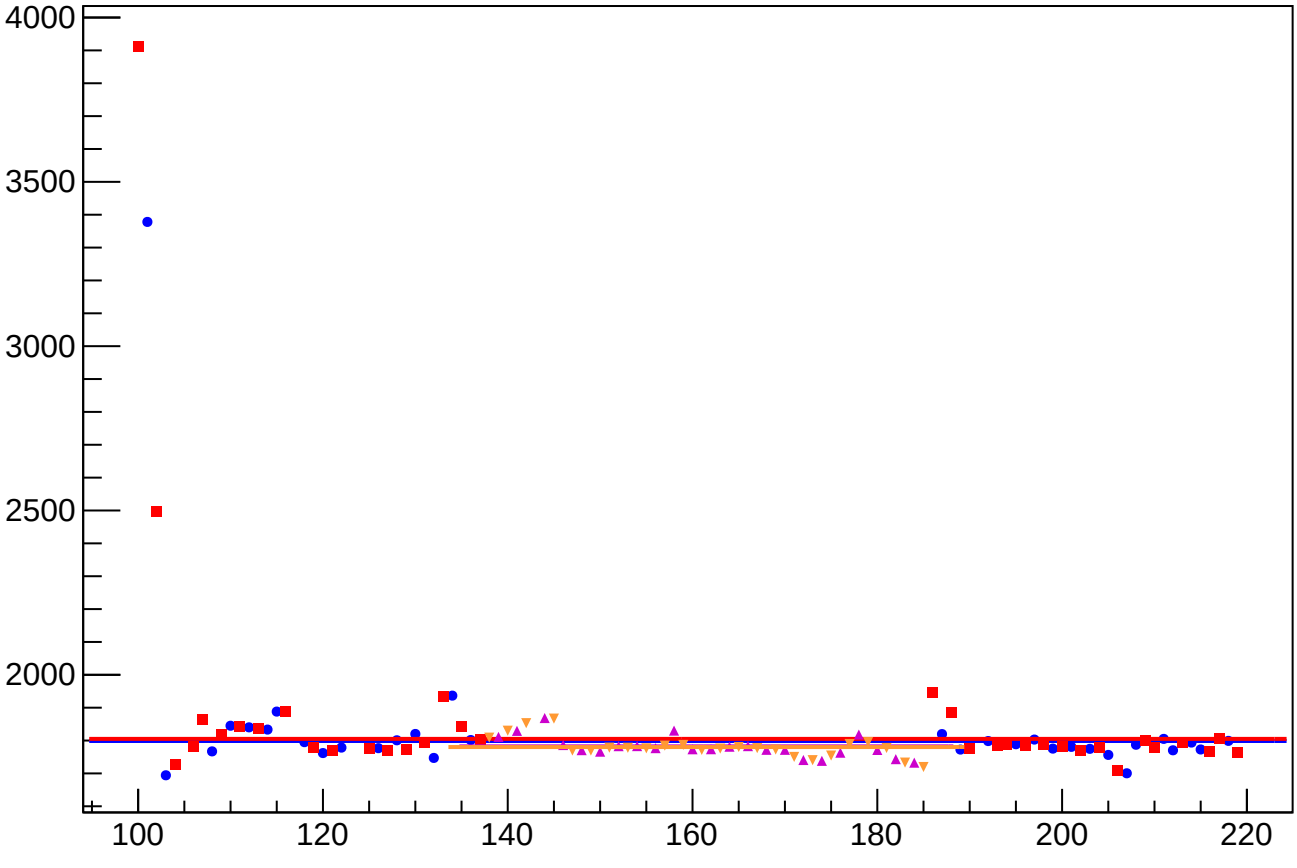
Out: 1793.198+/-0.202 χ^2/NDF:165620.9/58

All: 1792.006+/-0.144 χ^2/NDF: 485997.3/113


asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1116.709+/-384.933 χ²/NDF: 47.1/31
Left Out: -716.600+/-170.602 χ²/NDF:59.4/23
Right Out: 1064.254+/-352.184 χ²/NDF: 25.9/34
Left In: 231.320+/-173.436 χ²/NDF:24.1/22
Left: -250.446+/-121.623 χ²/NDF: 98.6/46
Right: 70.480+/-259.839 χ²/NDF: 90.5/66
In: 3.843+/-158.126 χ²/NDF:81.4/54
Out: -378.134+/-153.537 χ²/NDF:106.0/58
All: -192.770+/-110.154 χ²/NDF: 190.3/113


asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1521.216+/-0.272 χ²/NDF: 8920433.4/31
Left Out: 726.604+/-0.121 χ²/NDF:684784.1/23
Right Out: 1344.744+/-0.249 χ²/NDF: 12727846.8/34
Left In: 736.709+/-0.123 χ²/NDF:465041.6/22
Left: 731.574+/-0.086 χ²/NDF: 1153276.2/46
Right: 1425.155+/-0.184 χ²/NDF: 21877094.3/66
In: 869.093+/-0.112 χ²/NDF:16290818.3/54
Out: 844.087+/-0.109 χ²/NDF:18402840.5/58
All: 856.222+/-0.078 χ²/NDF: 34719404.4/11


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
220
Right In: -625.079+/-401.791 χ²/NDF: 17.2/31
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: 118.252+/-395.127 χ²/NDF: 26.9/34
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -247.197+/-281.723 χ²/NDF: 45.8/66
In: -542.184+/-289.069 χ²/NDF:43.1/54
Out: -361.567+/-285.581 χ²/NDF:58.1/58
All: -450.779+/-203.158 χ²/NDF: 101.4/113



Right In: 1798.692+/-0.284 χ^2/NDF: 307467.5/31

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1805.064+/-0.279 χ^2/NDF: 151464.4/34

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

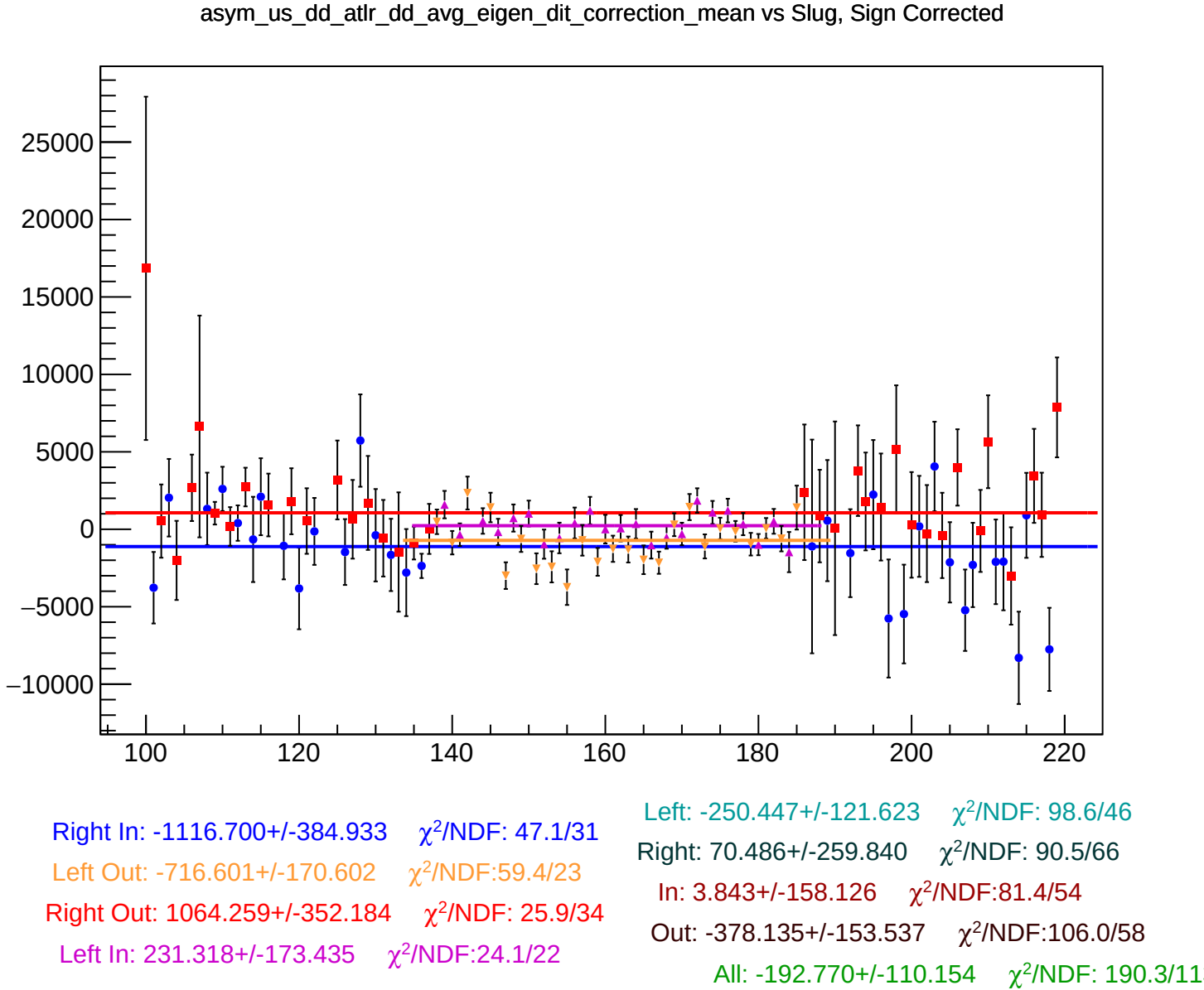
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

Right: 1801.932+/-0.199 χ^2/NDF: 459187.6/66

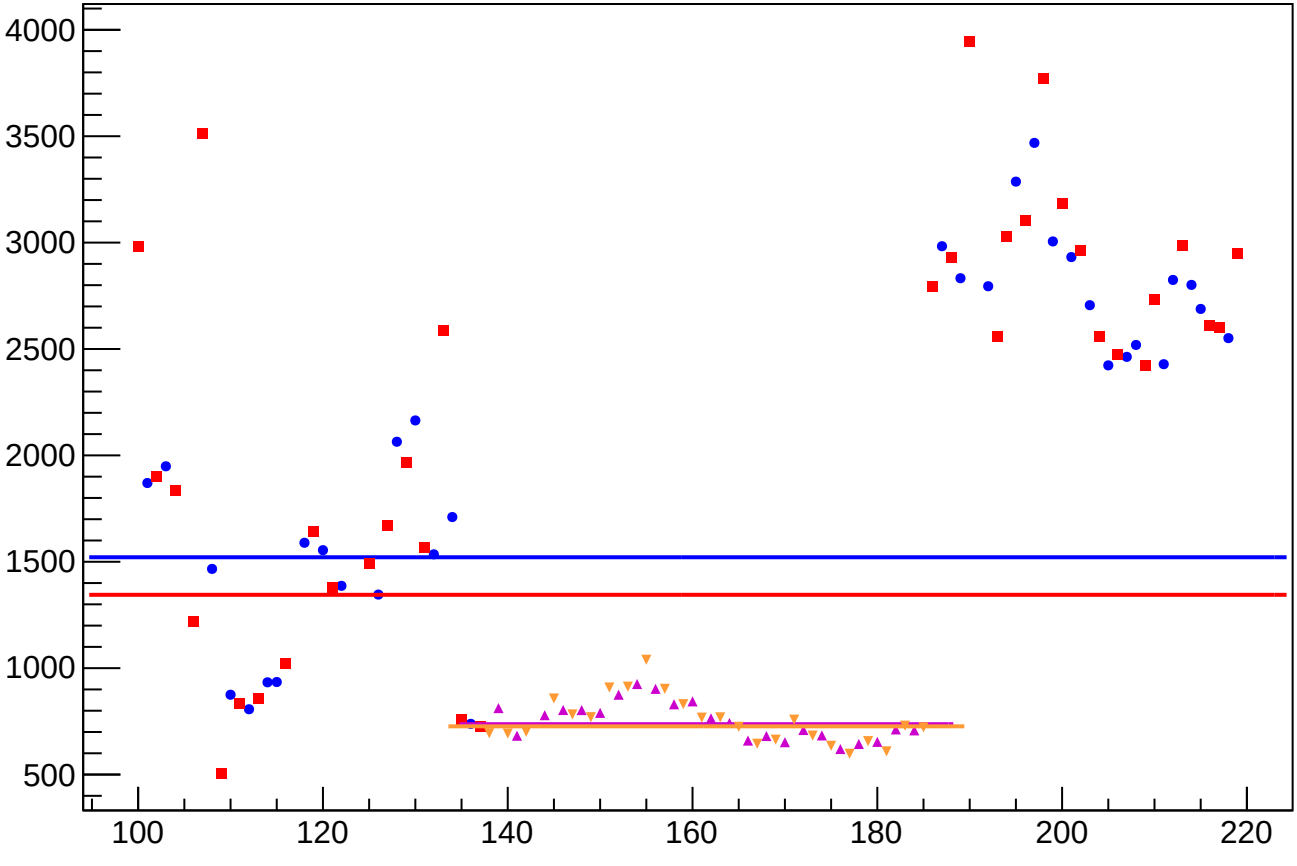
In: 1790.784+/-0.204 χ^2/NDF:320305.9/54

Out: 1793.198+/-0.202 χ^2/NDF:165621.0/58

All: 1792.006+/-0.144 χ^2/NDF: 485997.5/113


asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1116.700+/-384.933 χ²/NDF: 47.1/31
Left Out: -716.601+/-170.602 χ²/NDF:59.4/23
Right Out: 1064.259+/-352.184 χ²/NDF: 25.9/34
Left In: 231.318+/-173.435 χ²/NDF:24.1/22
Left: -250.447+/-121.623 χ²/NDF: 98.6/46
Right: 70.486+/-259.840 χ²/NDF: 90.5/66
In: 3.843+/-158.126 χ²/NDF:81.4/54
Out: -378.135+/-153.537 χ²/NDF:106.0/58
All: -192.770+/-110.154 χ²/NDF: 190.3/113

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1521.219+/-0.272 χ^2/NDF: 8920374.1/31

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1344.746+/-0.249 χ^2/NDF: 12727802.5/34

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

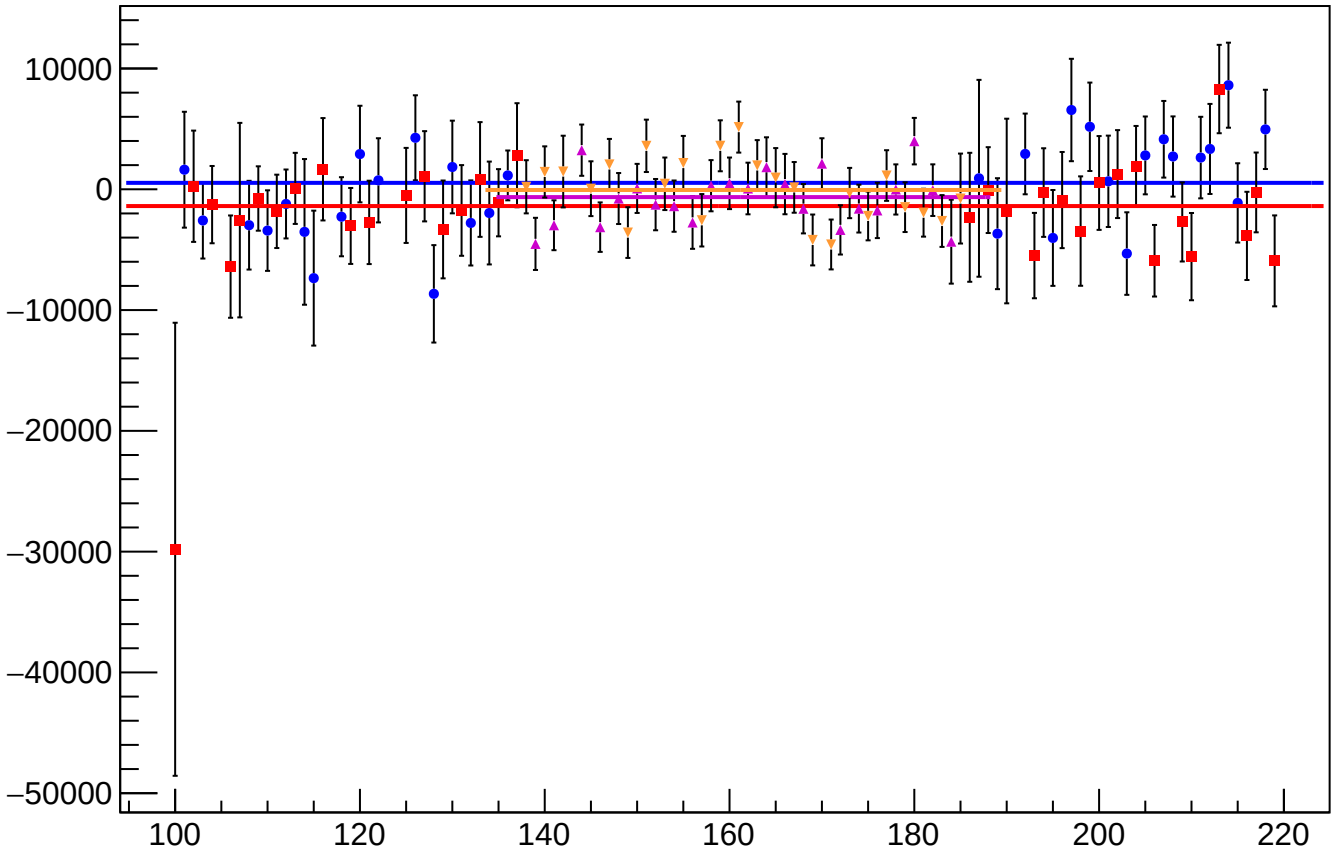
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1425.157+/-0.184 χ^2/NDF: 21876990.6/66

In: 869.093+/-0.112 χ^2/NDF:16290821.3/54

Out: 844.087+/-0.109 χ^2/NDF:18402821.0/58

All: 856.222+/-0.078 χ^2/NDF: 34719386.2/11



Right In: 532.641+/-629.507 χ^2/NDF: 34.8/31

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: -1389.005+/-626.728 χ^2/NDF: 23.5/34

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

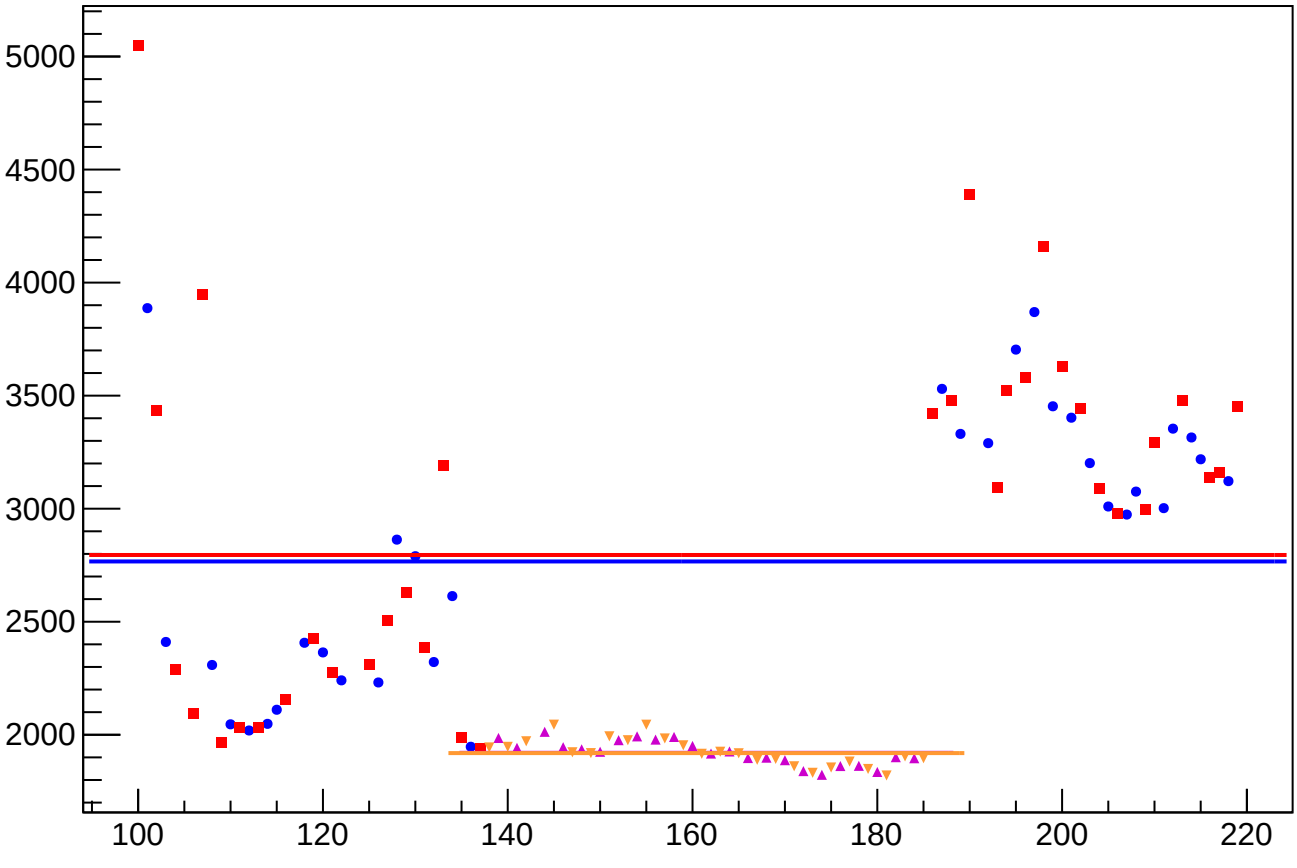
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -432.433+/-444.143 χ^2/NDF: 63.0/66

In: -249.716+/-365.295 χ^2/NDF:60.8/54

Out: -505.975+/-363.165 χ^2/NDF:59.5/58

All: -378.595+/-257.546 χ^2/NDF: 120.5/113



Right In: 2766.648+/-0.445 χ^2/NDF: 1649547.5/31

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

Right Out: 2795.233+/-0.443 χ^2/NDF: 2056145.3/34

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

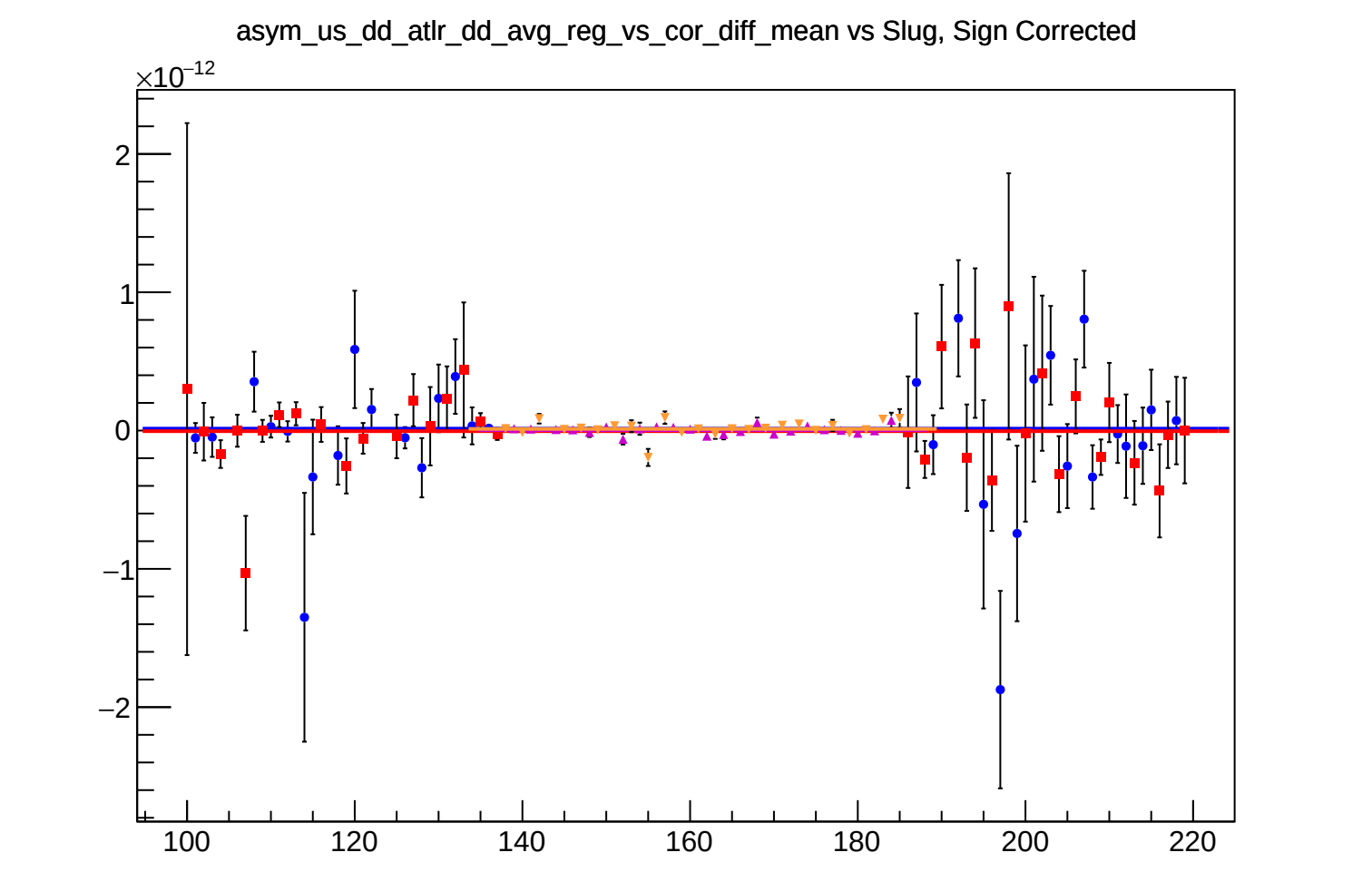
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2781.004+/-0.314 χ^2/NDF: 3707763.8/66

In: 2205.237+/-0.258 χ^2/NDF:4077762.1/54

Out: 2213.203+/-0.257 χ^2/NDF:4688603.9/58

All: 2209.244+/-0.182 χ^2/NDF: 8766844.2/11



Right In: 0.000+/-0.000 χ^2/NDF: 39.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/34

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

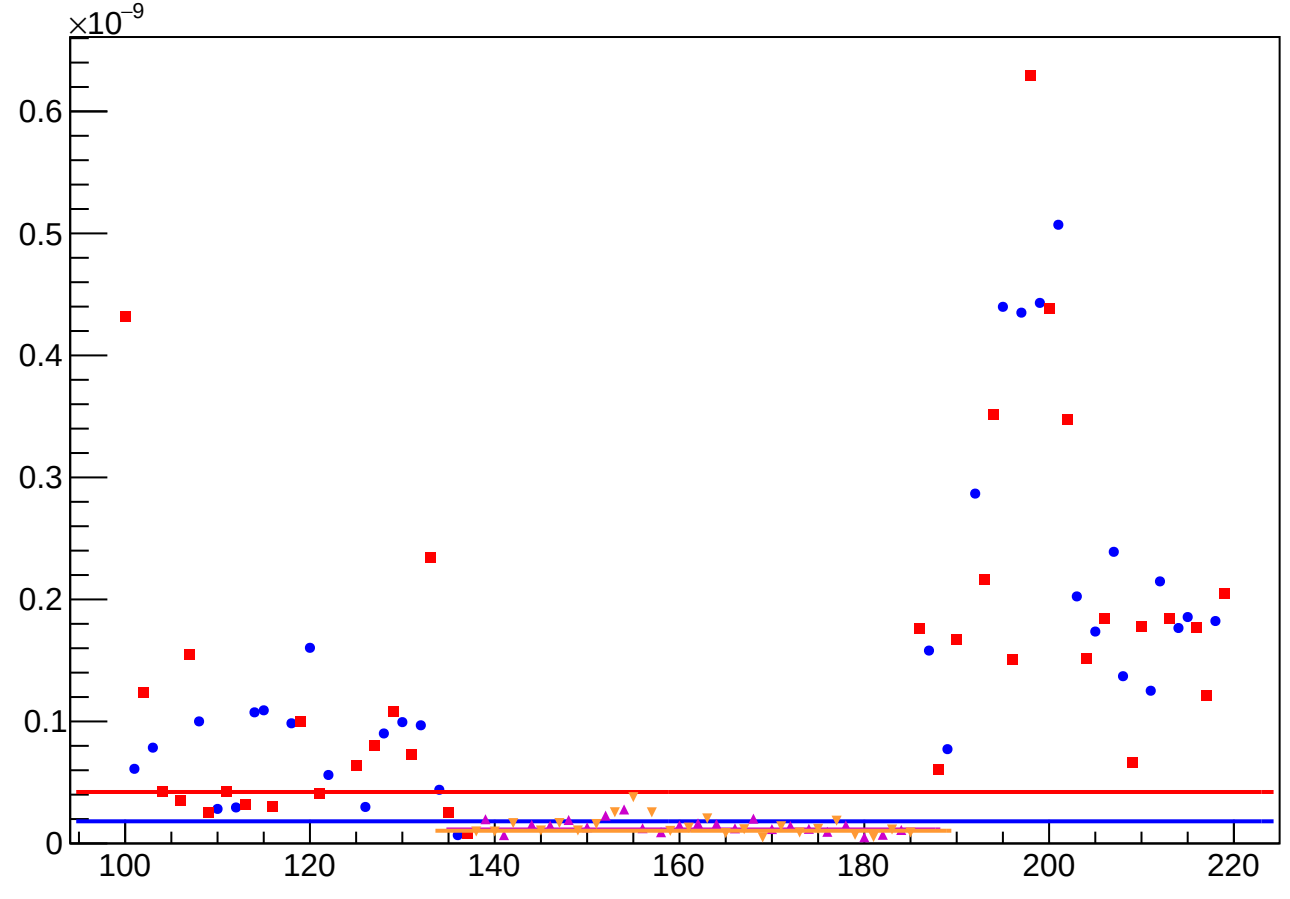
Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

Right: 0.000+/-0.000 χ^2/NDF: 75.2/66

In: 0.000+/-0.000 χ^2/NDF:59.7/54

Out: 0.000+/-0.000 χ^2/NDF:73.7/58

All: 0.000+/-0.000 χ^2/NDF: 134.5/113



Right In: 0.000+/-0.000 χ^2/NDF: 13169666.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9330768.4/34

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

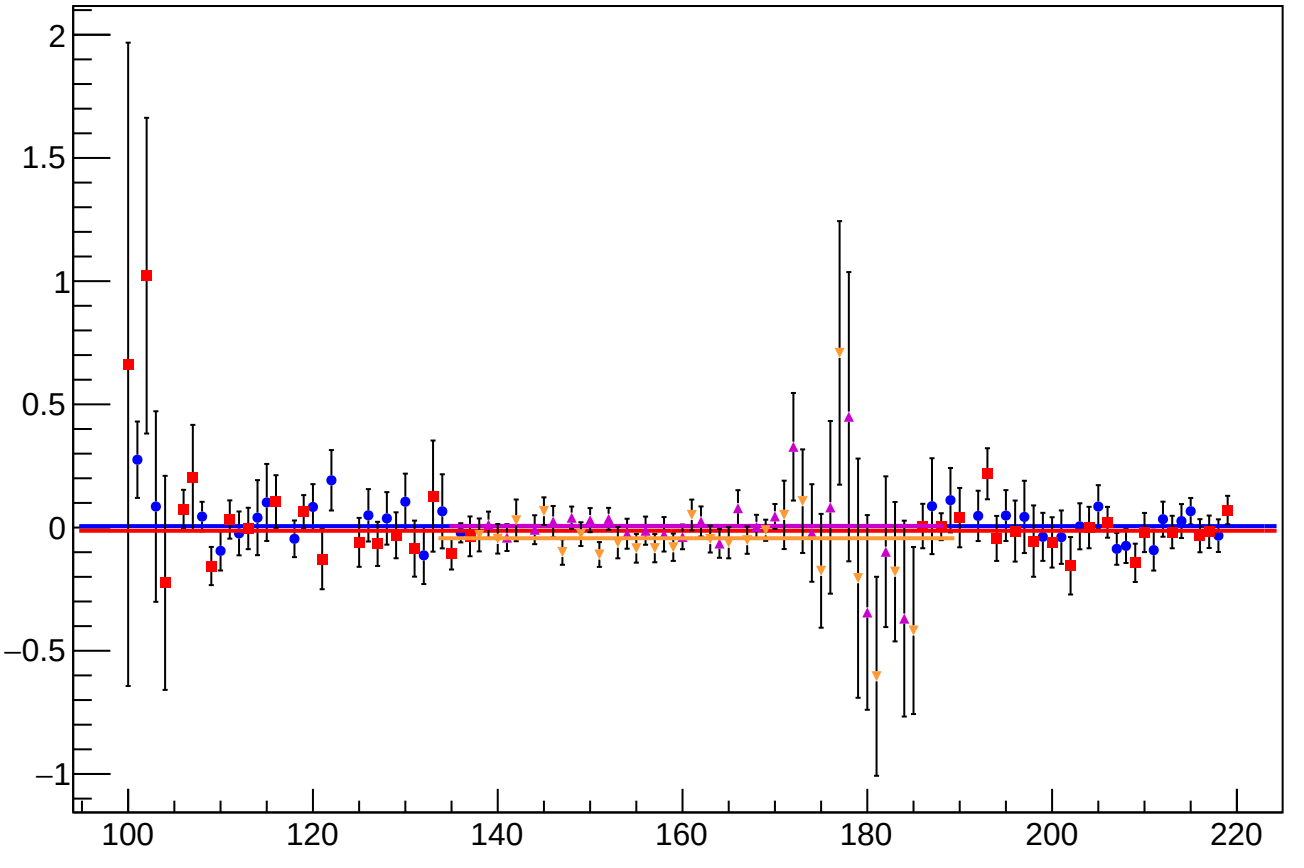
Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

Right: 0.000+/-0.000 χ^2/NDF: 24148797.4/66

In: 0.000+/-0.000 χ^2/NDF:15479505.3/54

Out: 0.000+/-0.000 χ^2/NDF:15192152.5/58

All: 0.000+/-0.000 χ^2/NDF: 30683500.5/113



Right In: 0.006+/-0.015 χ^2/NDF: 20.8/31

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.013+/-0.015 χ^2/NDF: 28.7/34

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

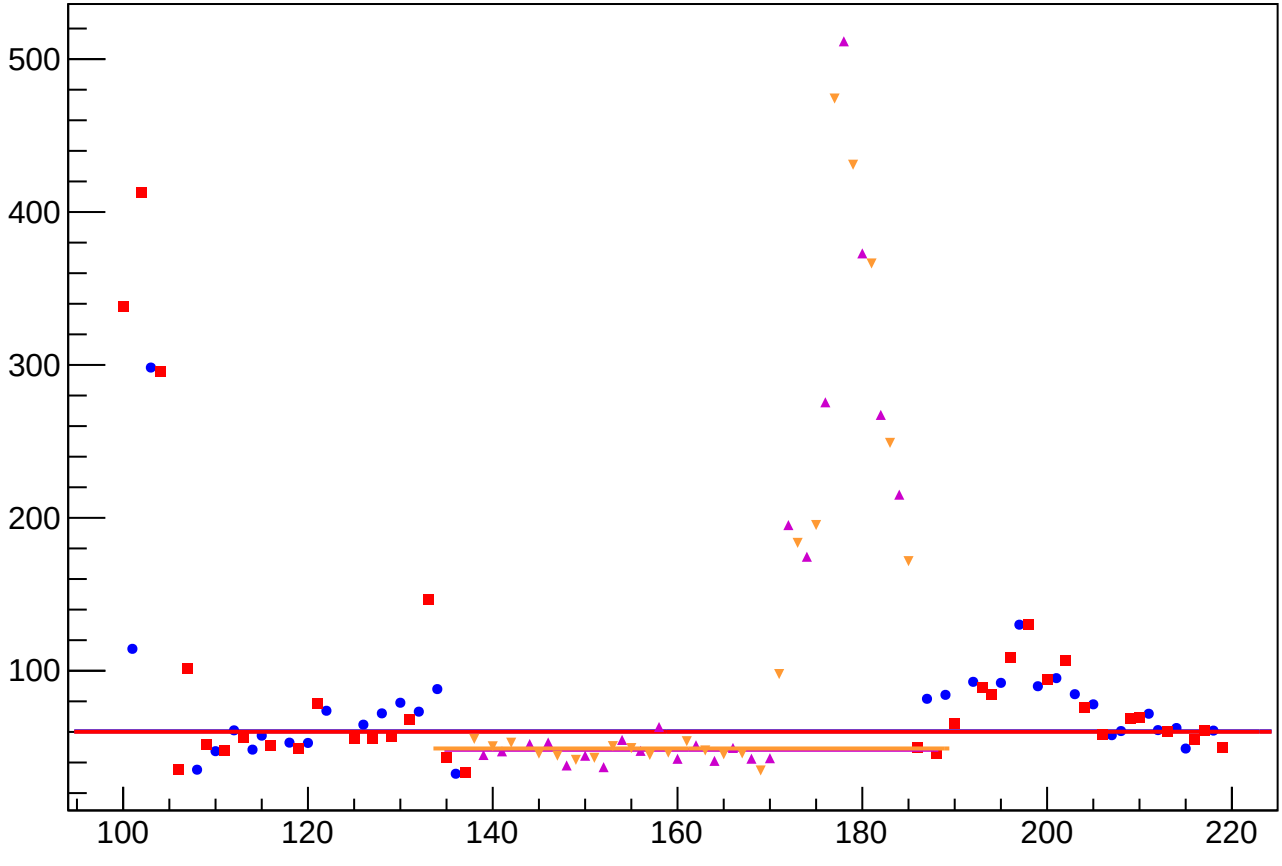
Right: -0.004+/-0.011 χ^2/NDF: 50.4/66

In: 0.006+/-0.010 χ^2/NDF:32.1/54

Out: -0.029+/-0.010 χ^2/NDF:49.8/58

All: -0.011+/-0.007 χ^2/NDF: 88.1/113

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.403+/-0.011 χ^2/NDF: 4335243.0/31

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 60.111+/-0.010 χ^2/NDF: 4400085.4/34

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

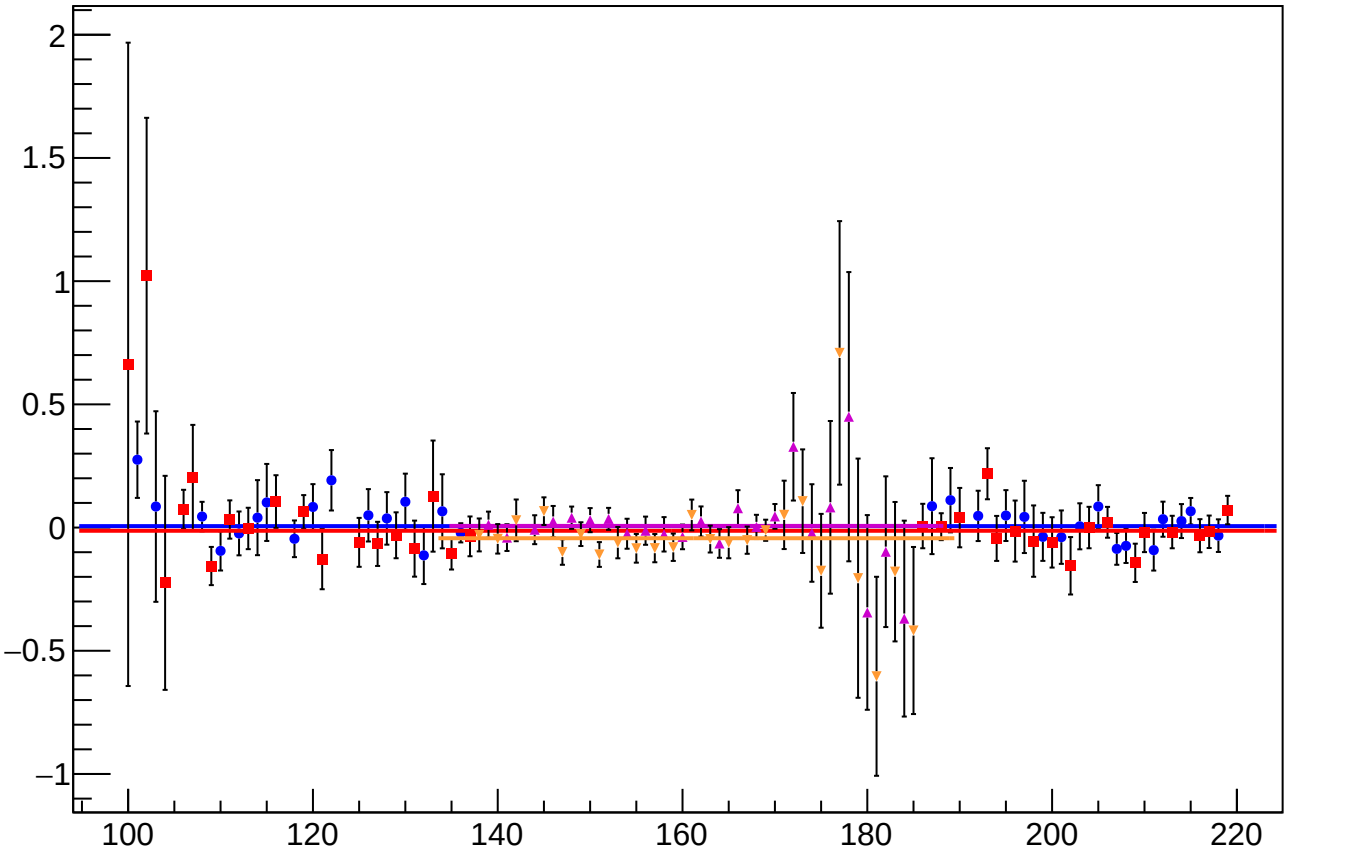
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 60.254+/-0.007 χ^2/NDF: 8735711.3/66

In: 53.717+/-0.007 χ^2/NDF:12091608.7/54

Out: 54.324+/-0.007 χ^2/NDF:12231824.8/58

All: 54.019+/-0.005 χ^2/NDF: 24327065.6/113



Right In: 0.006+/-0.015 χ^2/NDF: 20.8/31

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.013+/-0.015 χ^2/NDF: 28.7/34

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

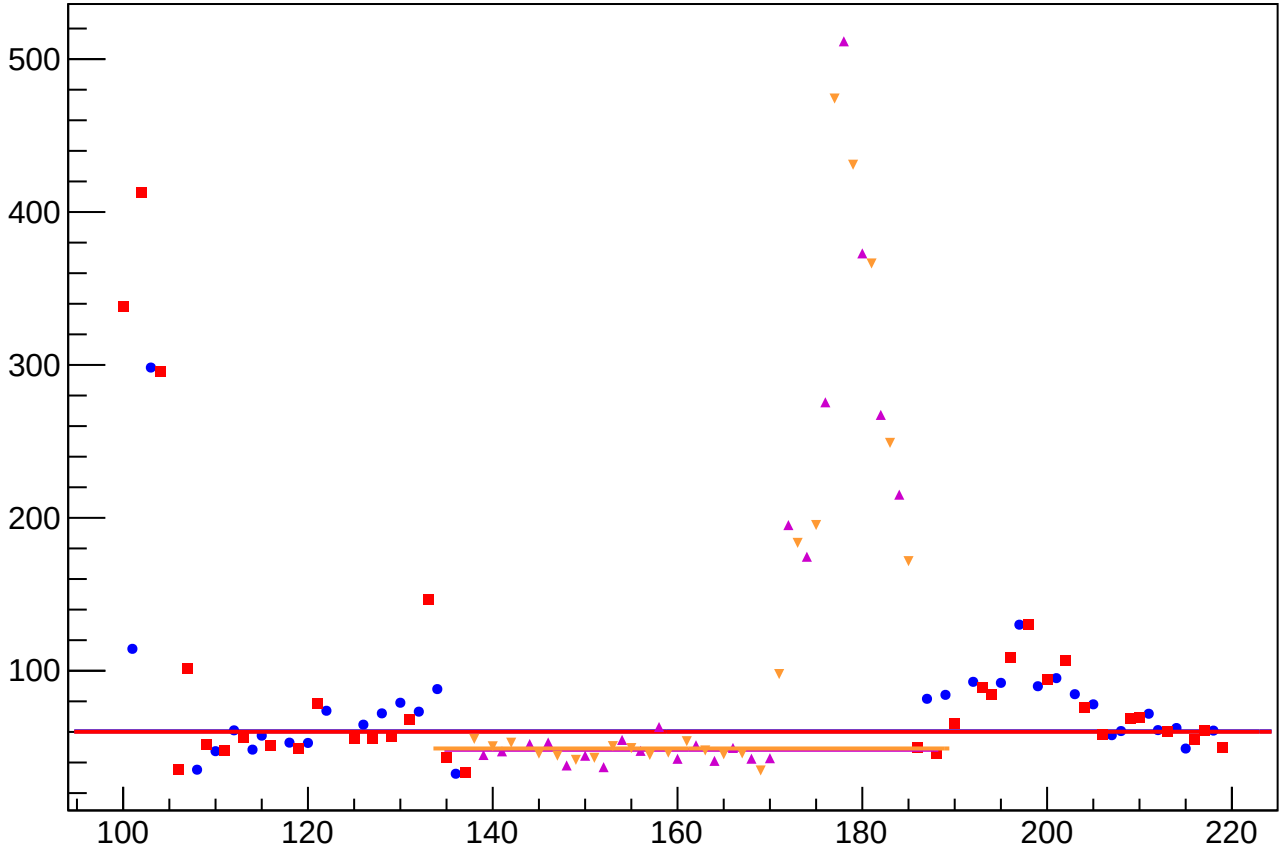
Right: -0.004+/-0.011 χ^2/NDF: 50.4/66

In: 0.006+/-0.010 χ^2/NDF:32.1/54

Out: -0.029+/-0.010 χ^2/NDF:49.8/58

All: -0.011+/-0.007 χ^2/NDF: 88.1/113

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.403+/-0.011 χ^2/NDF: 4335243.0/31

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 60.111+/-0.010 χ^2/NDF: 4400085.4/34

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

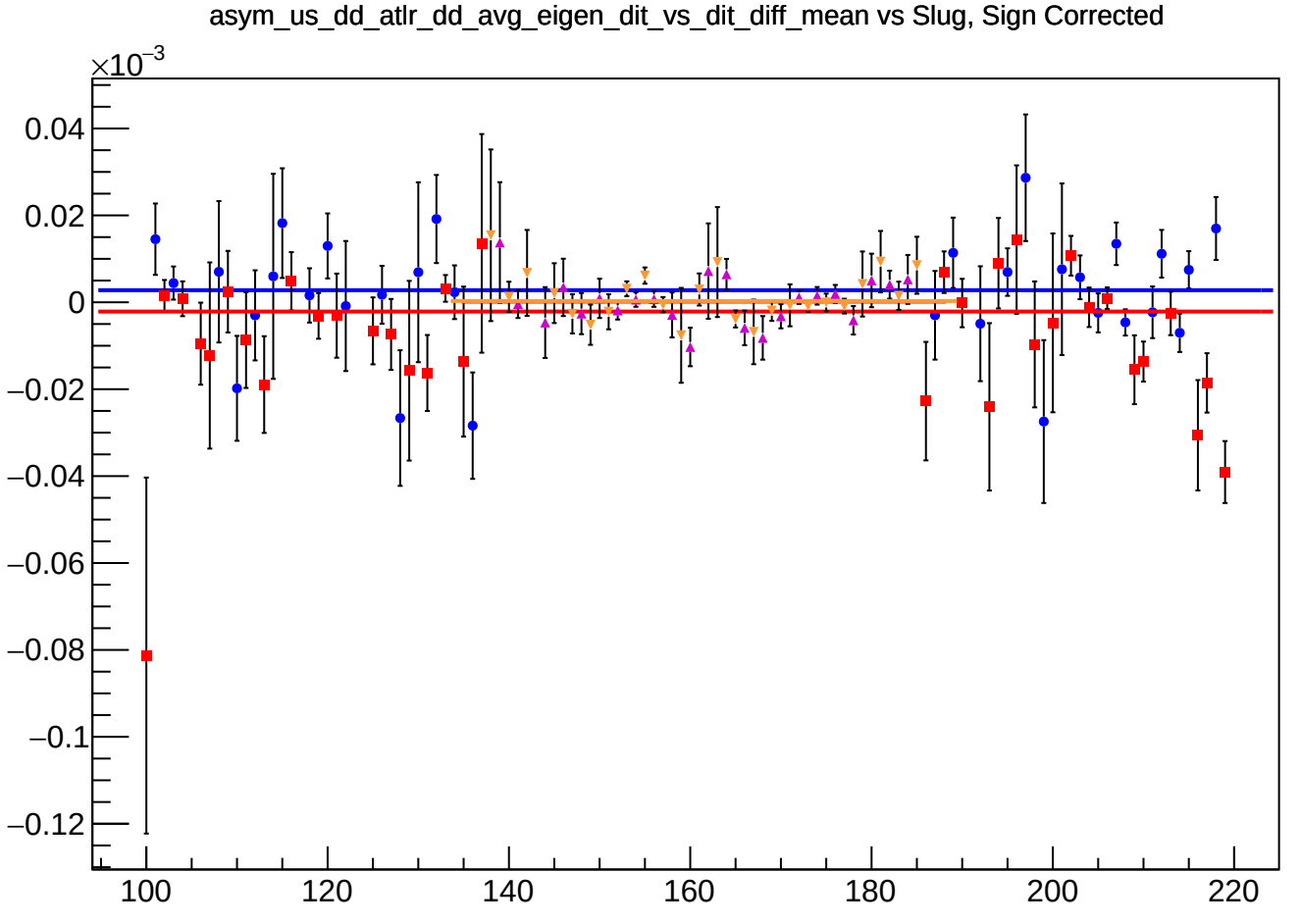
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 60.254+/-0.007 χ^2/NDF: 8735711.3/66

In: 53.717+/-0.007 χ^2/NDF:12091608.7/54

Out: 54.324+/-0.007 χ^2/NDF:12231824.8/58

All: 54.019+/-0.005 χ^2/NDF: 24327065.6/113



Right In: 0.000+/-0.000 χ^2/NDF: 56.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 83.7/34

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

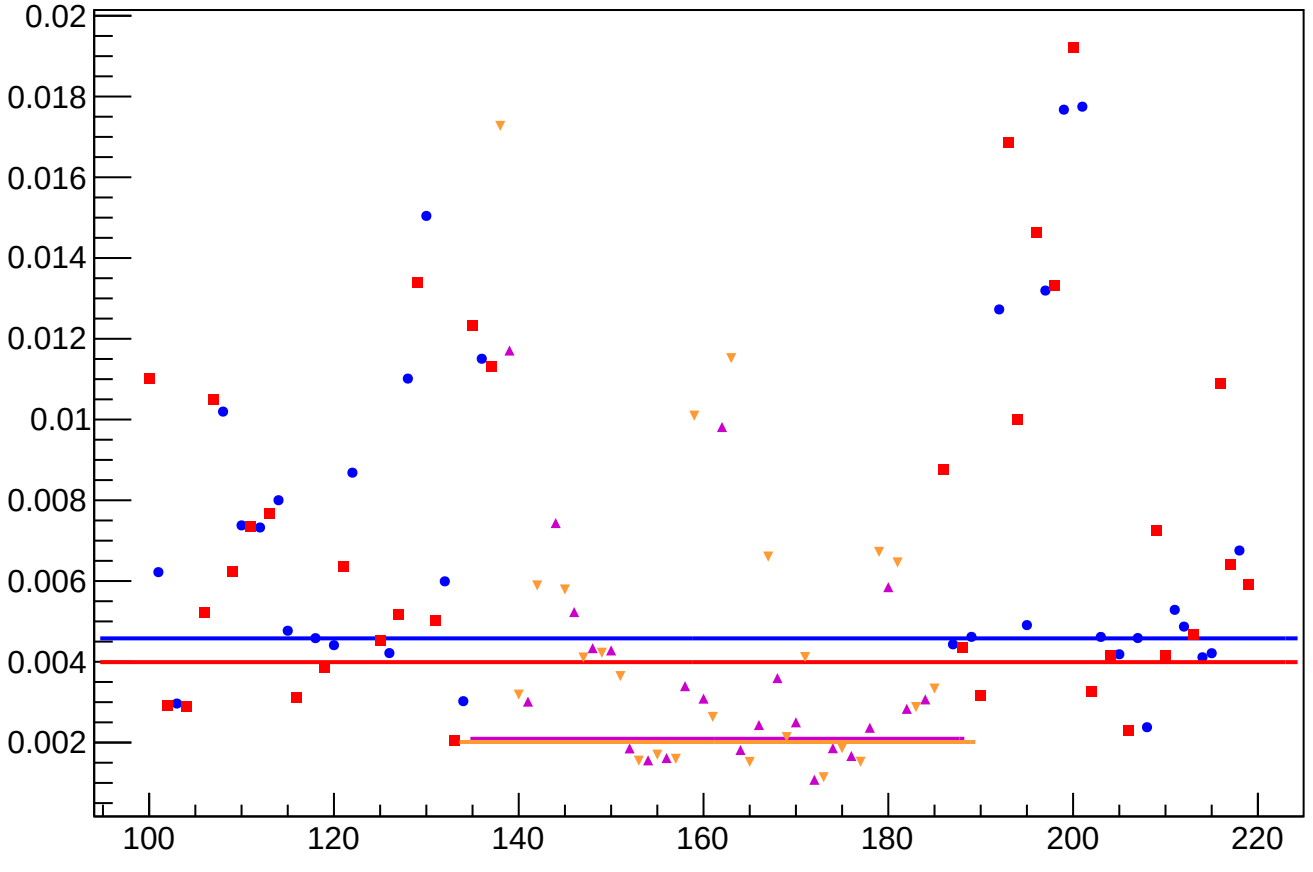
Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

Right: 0.000+/-0.000 χ^2/NDF: 149.5/66

In: 0.000+/-0.000 χ^2/NDF:85.2/54

Out: -0.000+/-0.000 χ^2/NDF:116.7/58

All: 0.000+/-0.000 χ^2/NDF: 203.7/113



Right In: 0.005+/-0.000 χ^2/NDF: 7442818.2/31

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 10105808.7/34

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

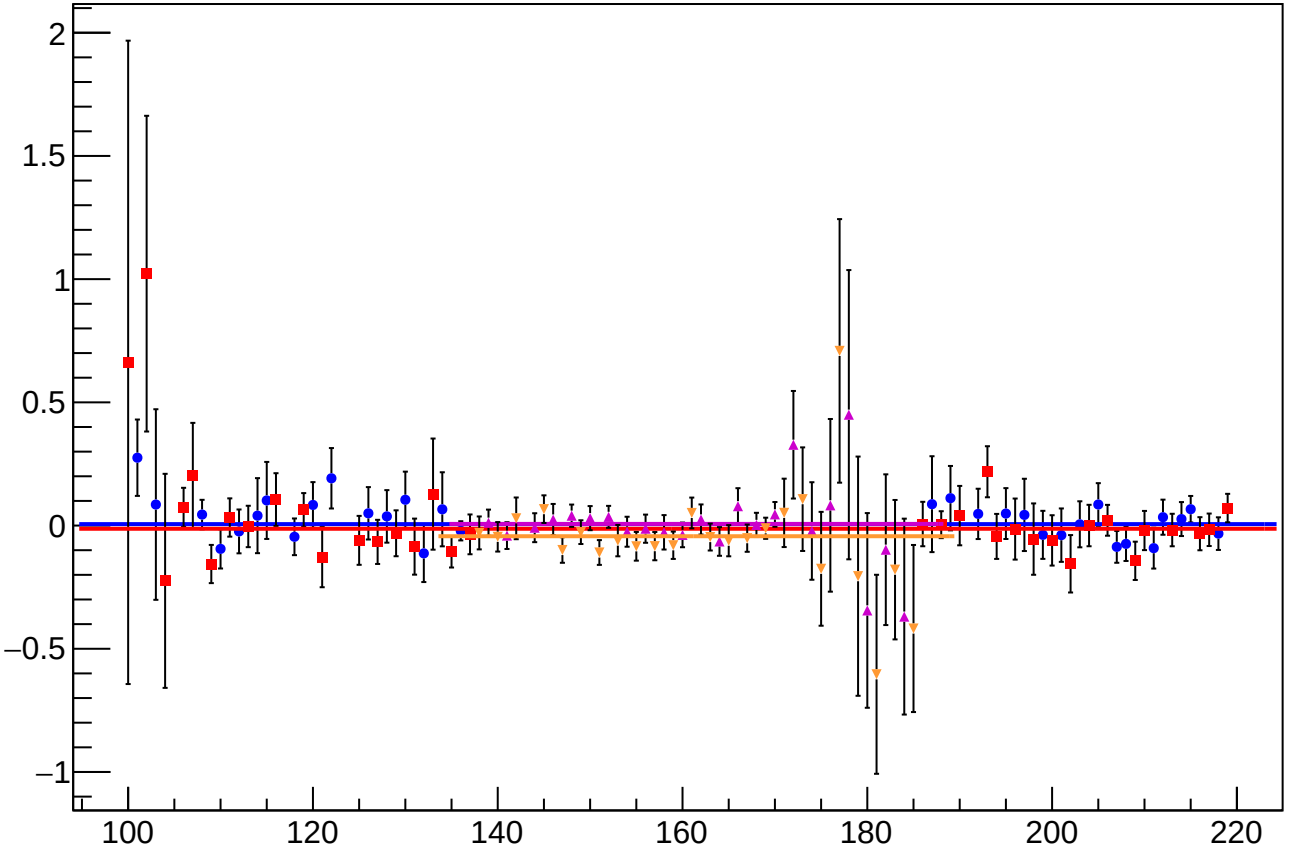
Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

Right: 0.004+/-0.000 χ^2/NDF: 17831060.9/66

In: 0.003+/-0.000 χ^2/NDF:21711470.5/54

Out: 0.002+/-0.000 χ^2/NDF:25927323.6/58

All: 0.003+/-0.000 χ^2/NDF: 47731754.8/113



Right In: 0.006+/-0.015 χ^2/NDF: 20.8/31

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.013+/-0.015 χ^2/NDF: 28.7/34

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

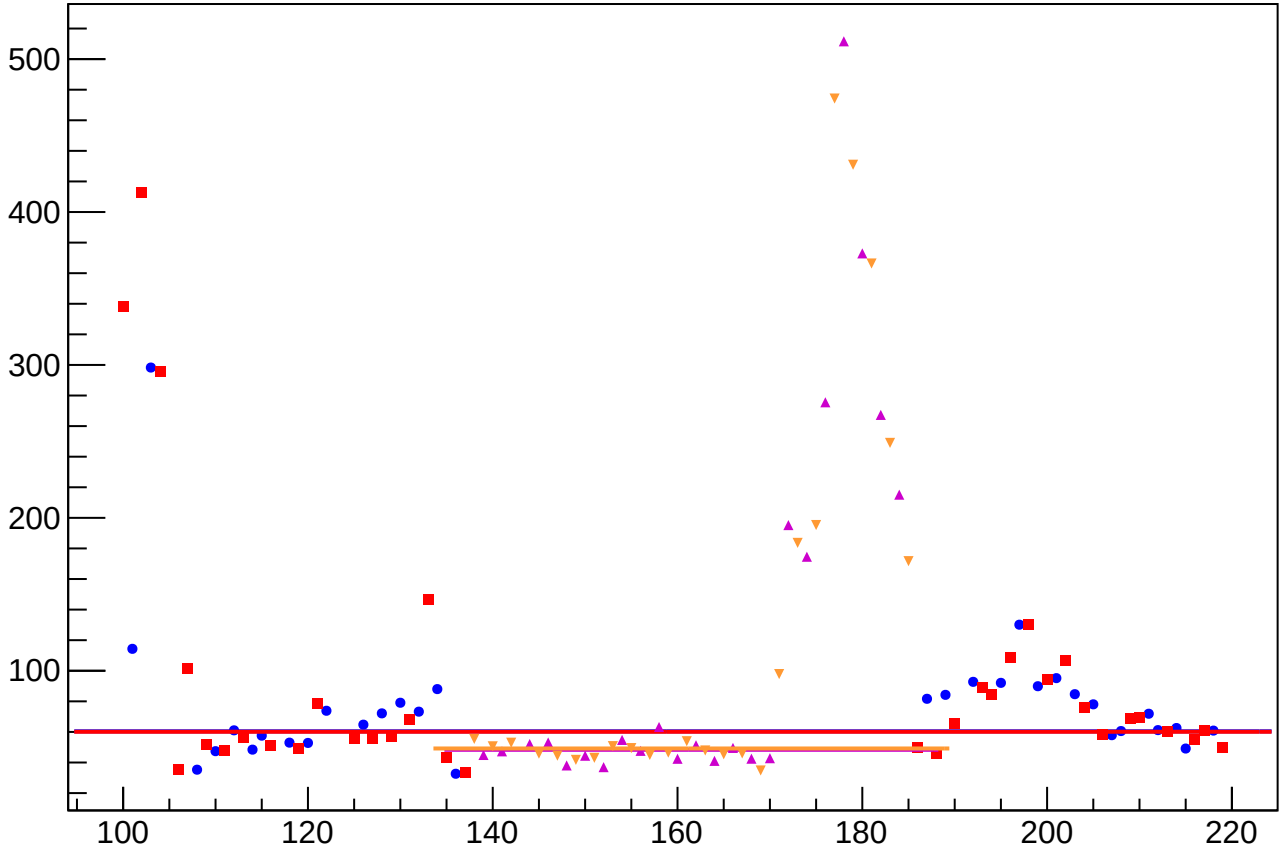
Right: -0.004+/-0.011 χ^2/NDF: 50.4/66

In: 0.006+/-0.010 χ^2/NDF:32.1/54

Out: -0.029+/-0.010 χ^2/NDF:49.8/58

All: -0.011+/-0.007 χ^2/NDF: 88.1/113

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.403+/-0.011 χ^2/NDF: 4335072.0/31

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 60.112+/-0.010 χ^2/NDF: 4399925.9/34

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

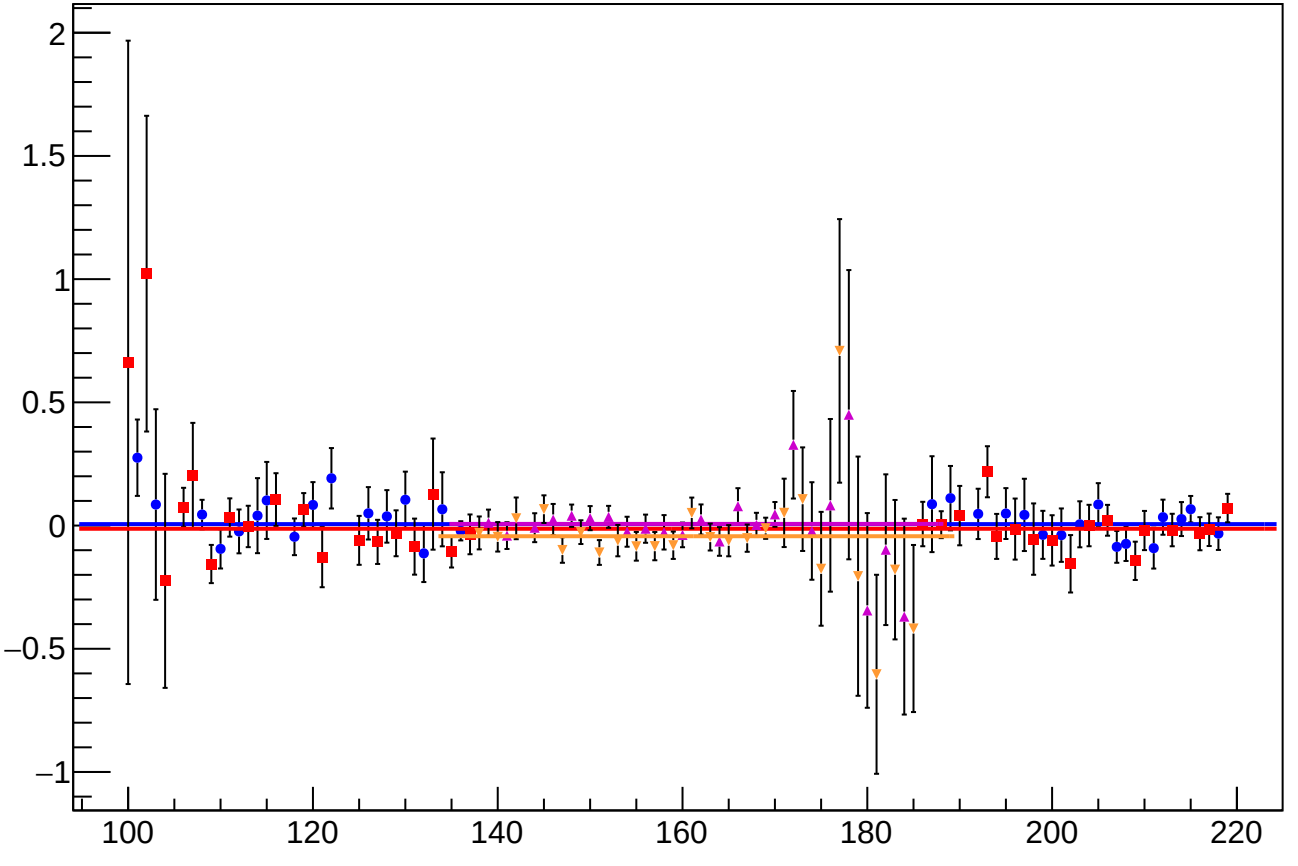
Right: 60.255+/-0.007 χ^2/NDF: 8735379.7/66

In: 53.717+/-0.007 χ^2/NDF:12091356.4/54

Out: 54.324+/-0.007 χ^2/NDF:12231782.4/58

All: 54.019+/-0.005 χ^2/NDF: 24326768.5/113

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.015 χ^2/NDF: 20.8/31

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.013+/-0.015 χ^2/NDF: 28.7/34

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

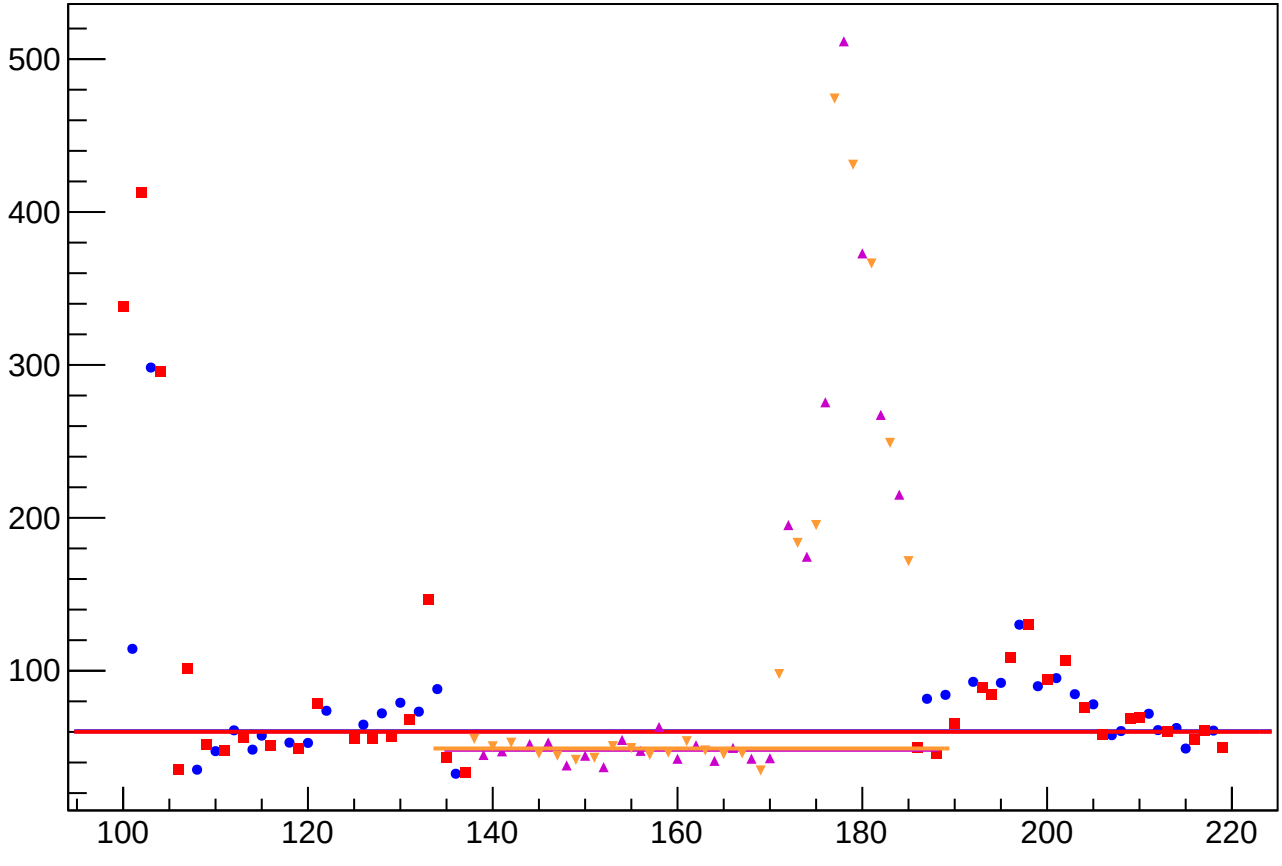
Right: -0.004+/-0.011 χ^2/NDF: 50.4/66

In: 0.006+/-0.010 χ^2/NDF:32.1/54

Out: -0.029+/-0.010 χ^2/NDF:49.8/58

All: -0.011+/-0.007 χ^2/NDF: 88.1/113

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.403+/-0.011 χ^2/NDF: 4335072.0/31

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 60.112+/-0.010 χ^2/NDF: 4399925.9/34

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

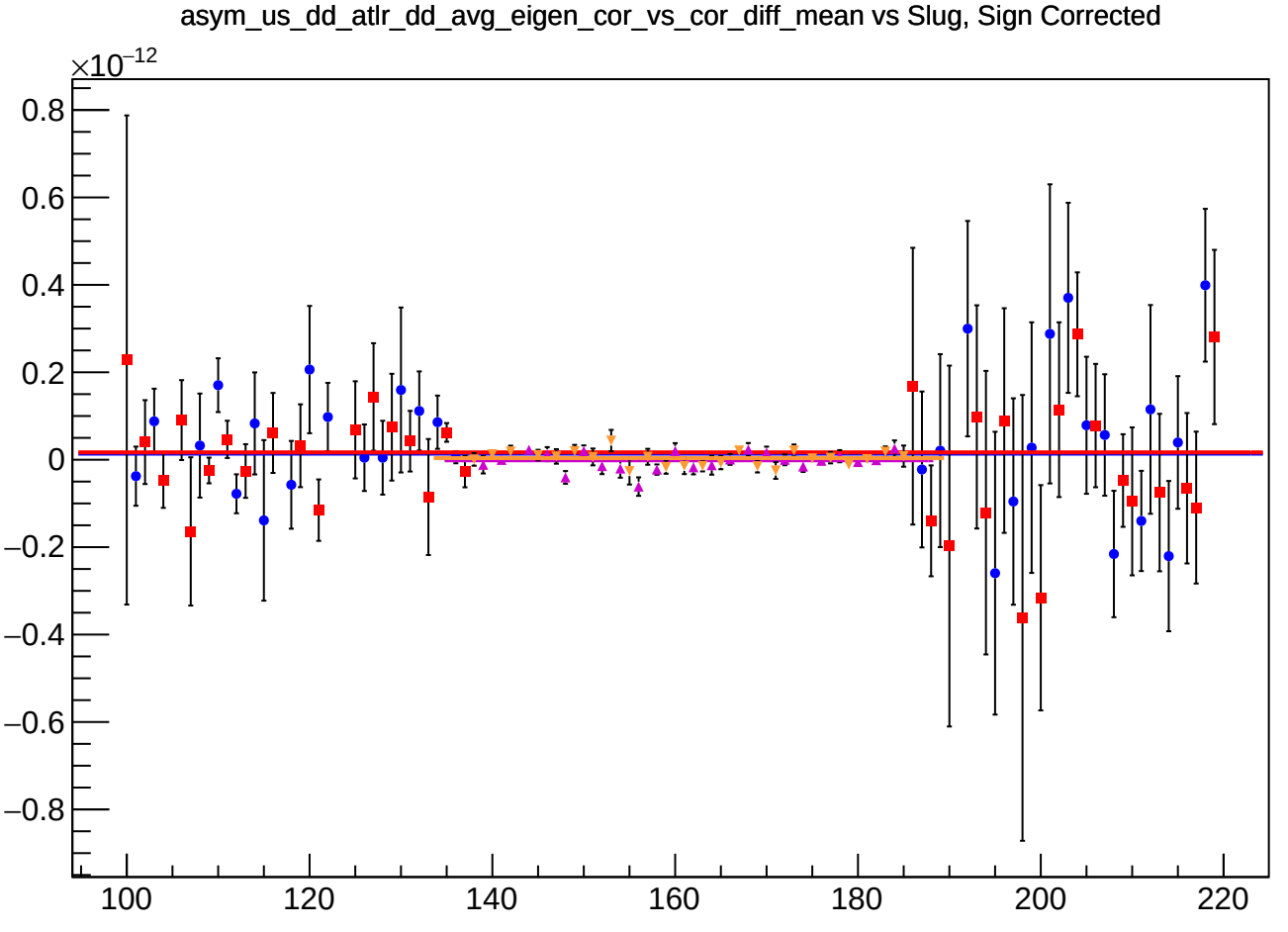
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

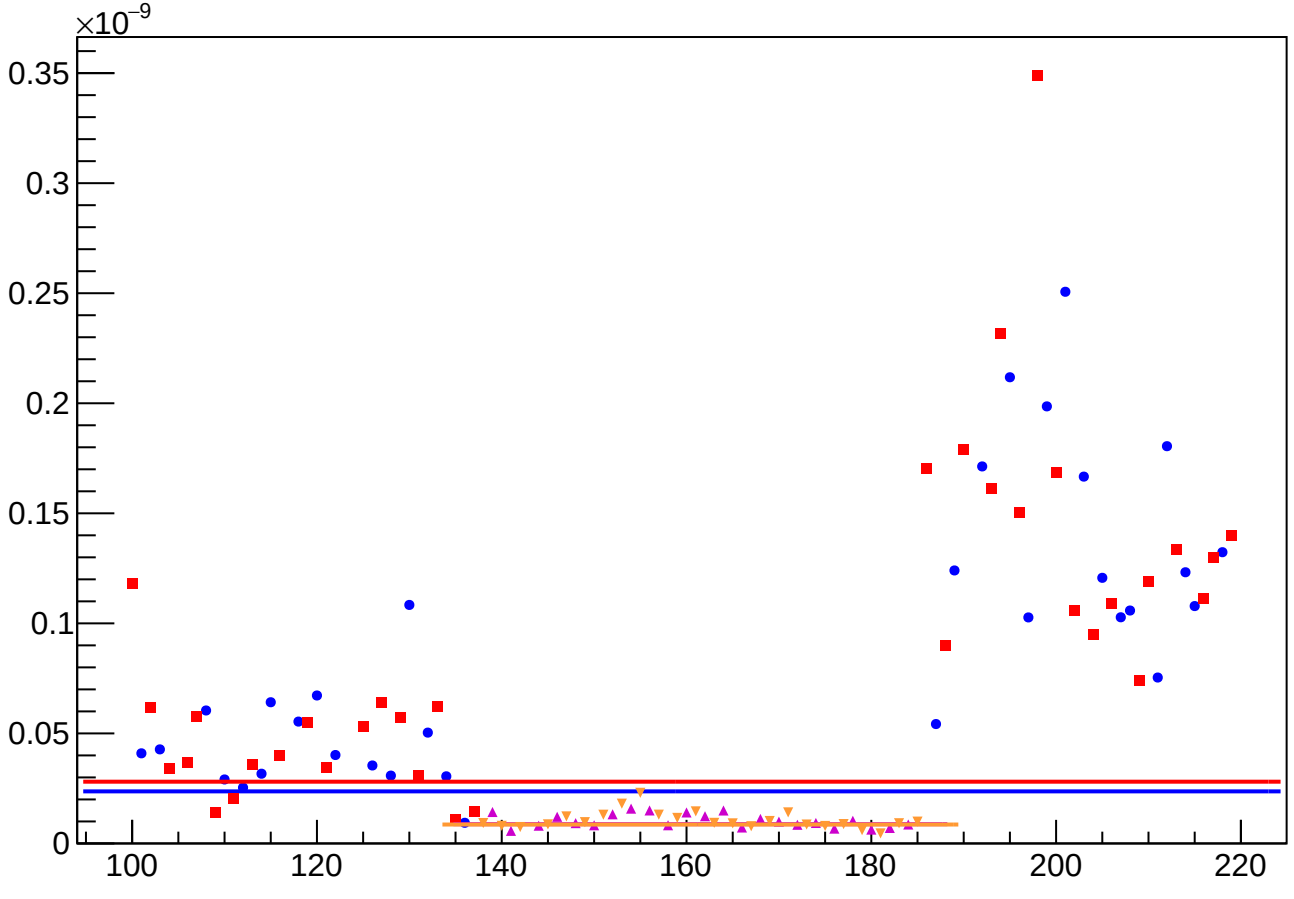
Right: 60.255+/-0.007 χ^2/NDF: 8735379.7/66

In: 53.717+/-0.007 χ^2/NDF:12091356.4/54

Out: 54.324+/-0.007 χ^2/NDF:12231782.4/58

All: 54.019+/-0.005 χ^2/NDF: 24326768.5/113


asym_us_dd_atlr_dd_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
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 37.5/31
Left Out: 0.000+/-0.000 χ²/NDF:24.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 30.3/34
Left In: -0.000+/-0.000 χ²/NDF:40.0/22
Left: 0.000+/-0.000 χ²/NDF: 66.3/46
Right: 0.000+/-0.000 χ²/NDF: 67.8/66
In: -0.000+/-0.000 χ²/NDF:79.3/54
Out: 0.000+/-0.000 χ²/NDF:56.0/58
All: 0.000+/-0.000 χ²/NDF: 136.9/113



Right In: 0.000+/-0.000 χ^2/NDF: 13890832.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12384185.8/34

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

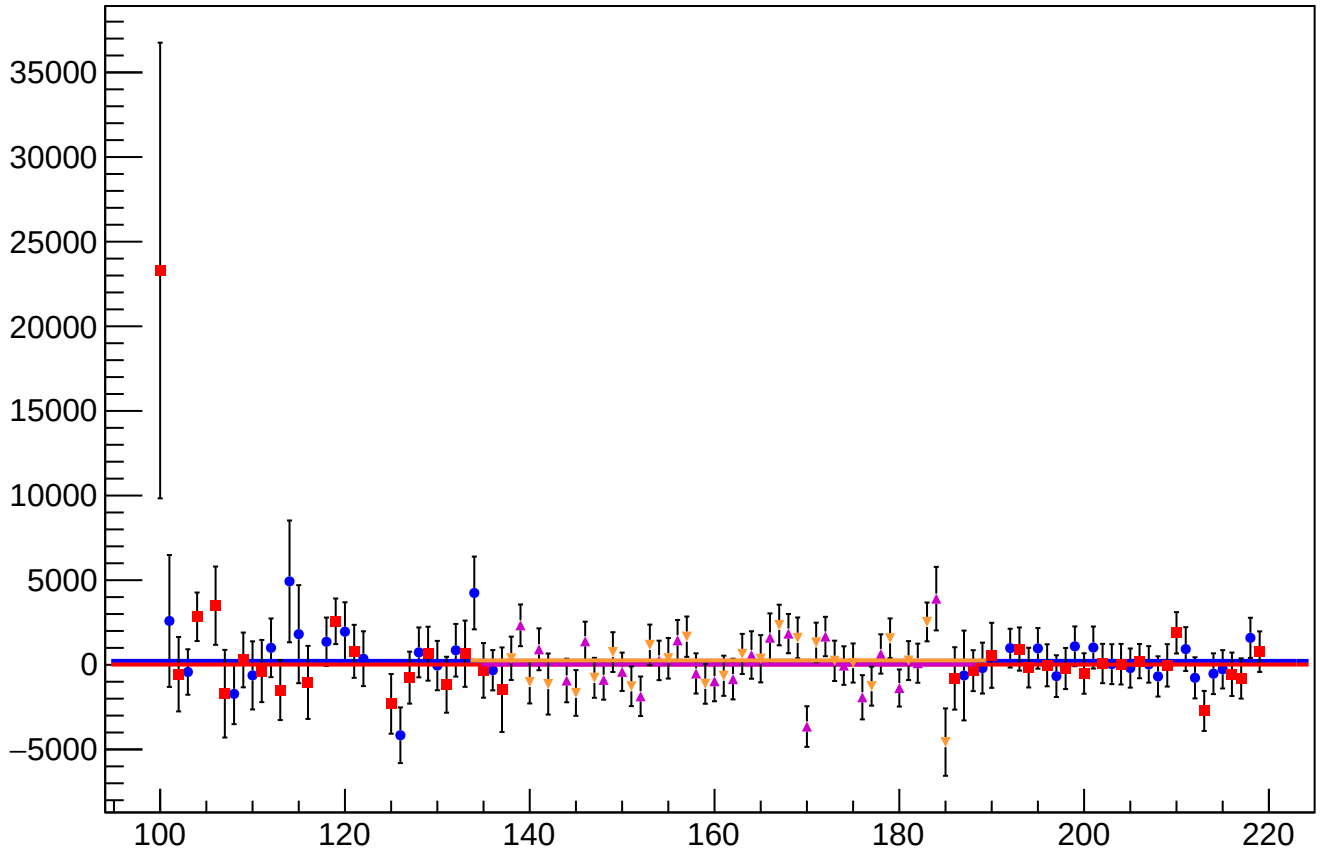
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 26420551.8/66

In: 0.000+/-0.000 χ^2/NDF:19313795.7/54

Out: 0.000+/-0.000 χ^2/NDF:19849199.5/58

All: 0.000+/-0.000 χ^2/NDF: 39164556.9/113



Right In: 231.513+/-249.218 χ^2/NDF: 23.1/31

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 14.301+/-245.608 χ^2/NDF: 27.7/34

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

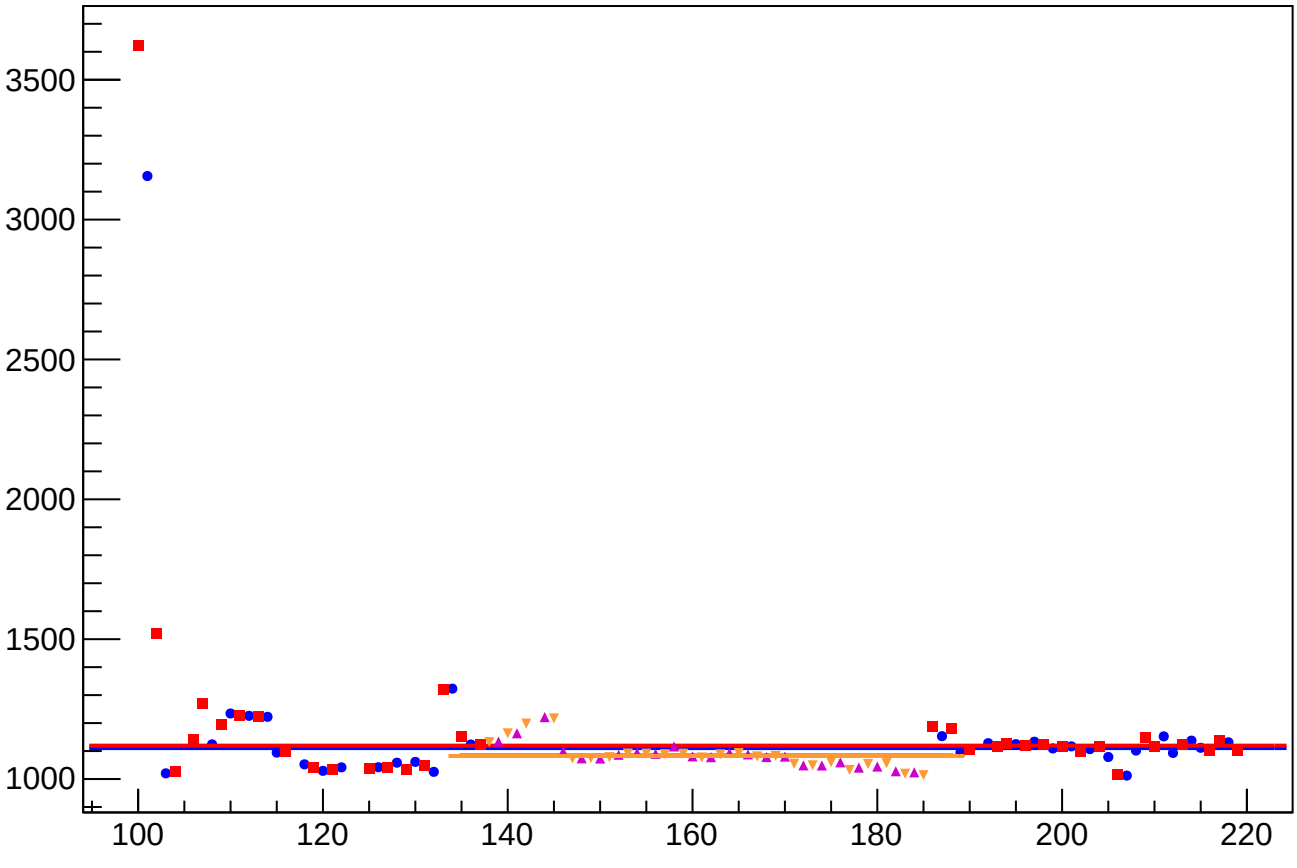
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 121.322+/-174.933 χ^2/NDF: 51.2/66

In: 128.652+/-177.660 χ^2/NDF:59.2/54

Out: 134.604+/-175.683 χ^2/NDF:56.4/58

All: 131.662+/-124.920 χ^2/NDF: 115.6/113



Right In: 1110.657+/-0.176 χ^2/NDF: 648277.2/31

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1119.411+/-0.174 χ^2/NDF: 253824.2/34

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

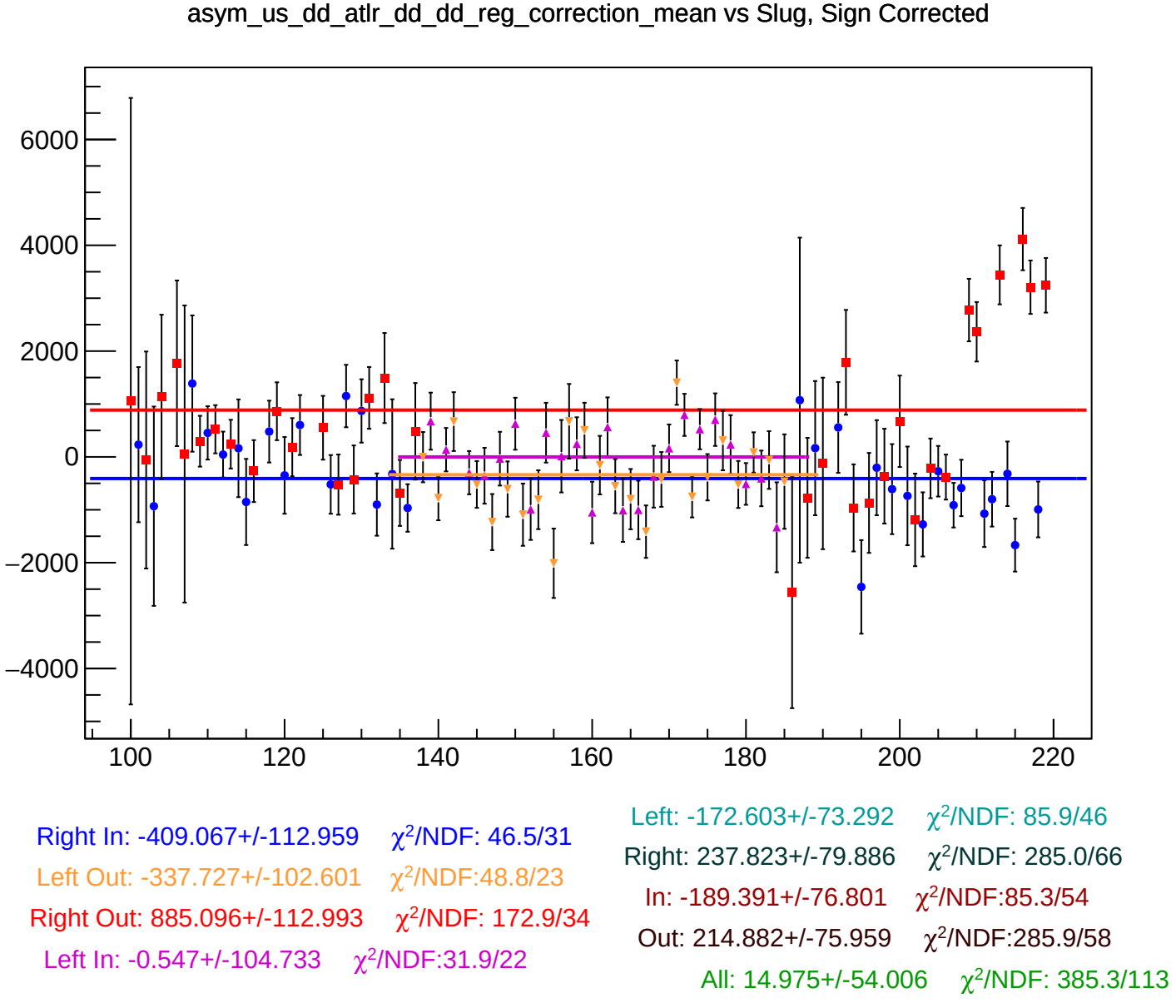
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

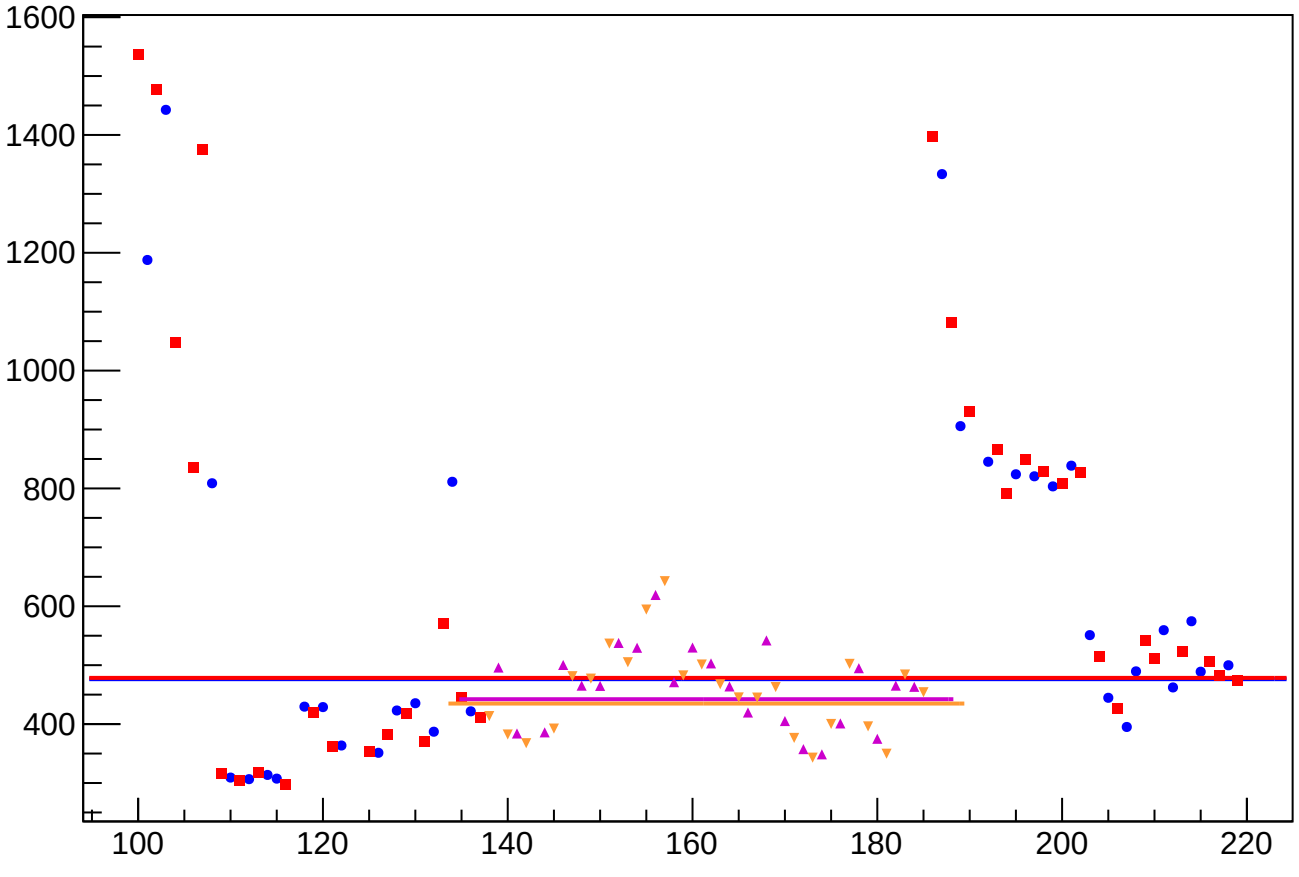
Right: 1115.098+/-0.124 χ^2/NDF: 903353.4/66

In: 1097.628+/-0.126 χ^2/NDF:712830.0/54

Out: 1101.292+/-0.124 χ^2/NDF:333987.3/58

All: 1099.481+/-0.088 χ^2/NDF: 1047247.3/11


asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -409.067+/-112.959 χ²/NDF: 46.5/31
Left Out: -337.727+/-102.601 χ²/NDF:48.8/23
Right Out: 885.096+/-112.993 χ²/NDF: 172.9/34
Left In: -0.547+/-104.733 χ²/NDF:31.9/22
Left: -172.603+/-73.292 χ²/NDF: 85.9/46
Right: 237.823+/-79.886 χ²/NDF: 285.0/66
In: -189.391+/-76.801 χ²/NDF:85.3/54
Out: 214.882+/-75.959 χ²/NDF:285.9/58
All: 14.975+/-54.006 χ²/NDF: 385.3/113



Right In: 476.253+/-0.080 χ^2/NDF: 4382131.6/31

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 478.418+/-0.080 χ^2/NDF: 5432789.0/34

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

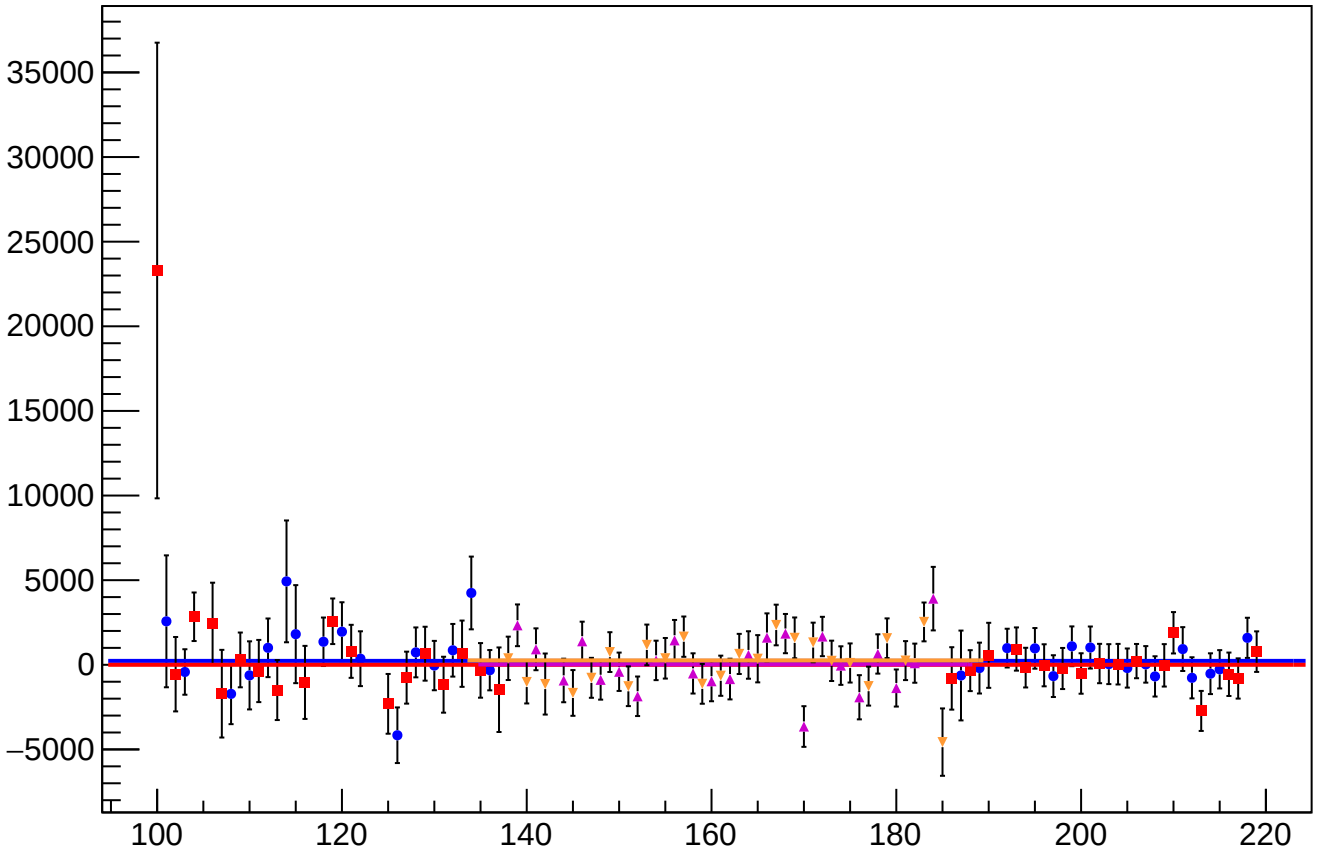
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 477.335+/-0.056 χ^2/NDF: 9815287.6/66

In: 457.946+/-0.054 χ^2/NDF:5305795.1/54

Out: 454.544+/-0.054 χ^2/NDF:6474115.0/58

All: 456.226+/-0.038 χ^2/NDF: 11781894.8/11



Right In: 231.396+/-249.218 χ^2/NDF: 23.1/31

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 0.308+/-245.714 χ^2/NDF: 26.4/34

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

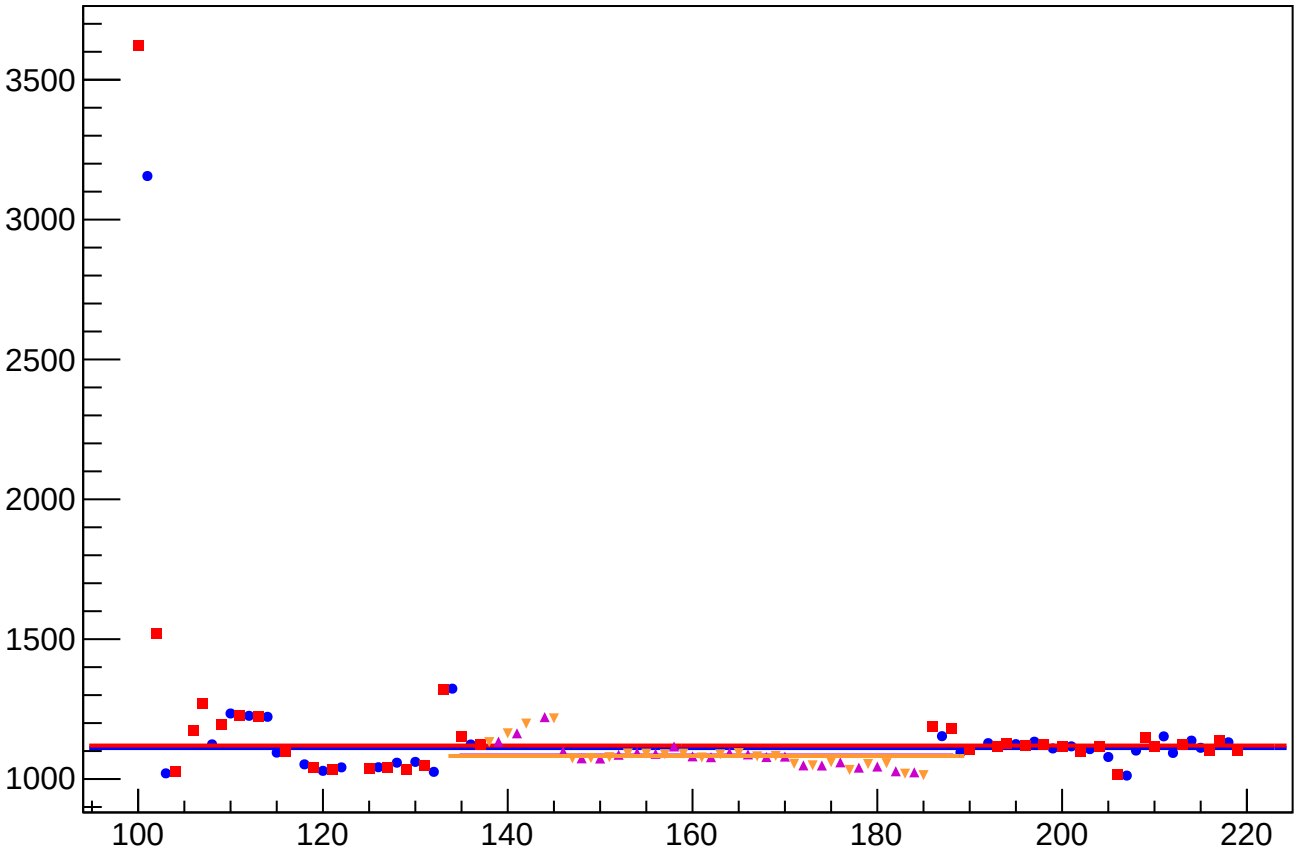
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 114.216+/-174.972 χ^2/NDF: 50.0/66

In: 128.590+/-177.660 χ^2/NDF:59.2/54

Out: 127.496+/-175.722 χ^2/NDF:55.2/58

All: 128.037+/-124.934 χ^2/NDF: 114.4/113



Right In: 1110.657+/-0.176 χ^2/NDF: 648278.2/31

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1119.719+/-0.174 χ^2/NDF: 254601.2/34

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

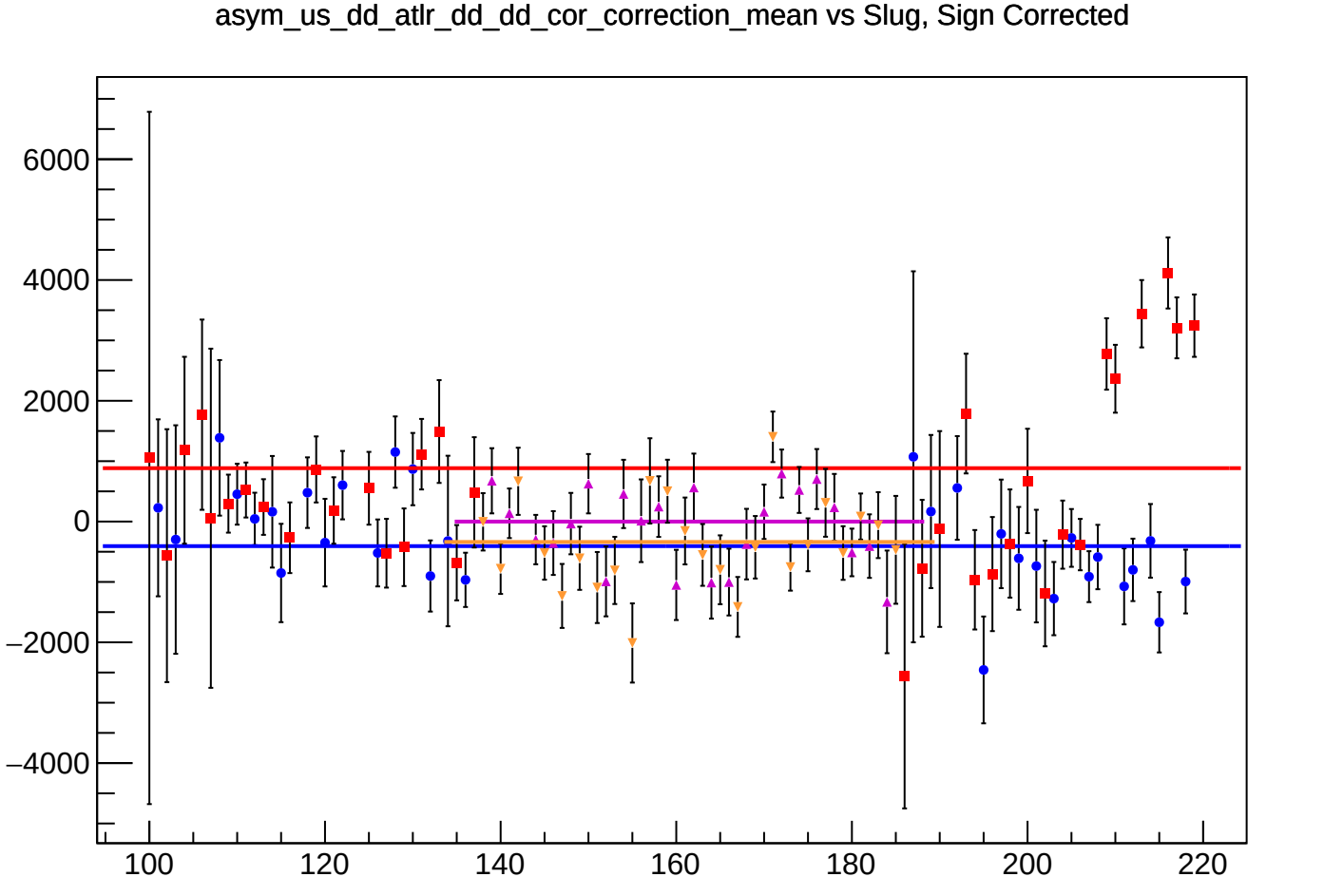
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

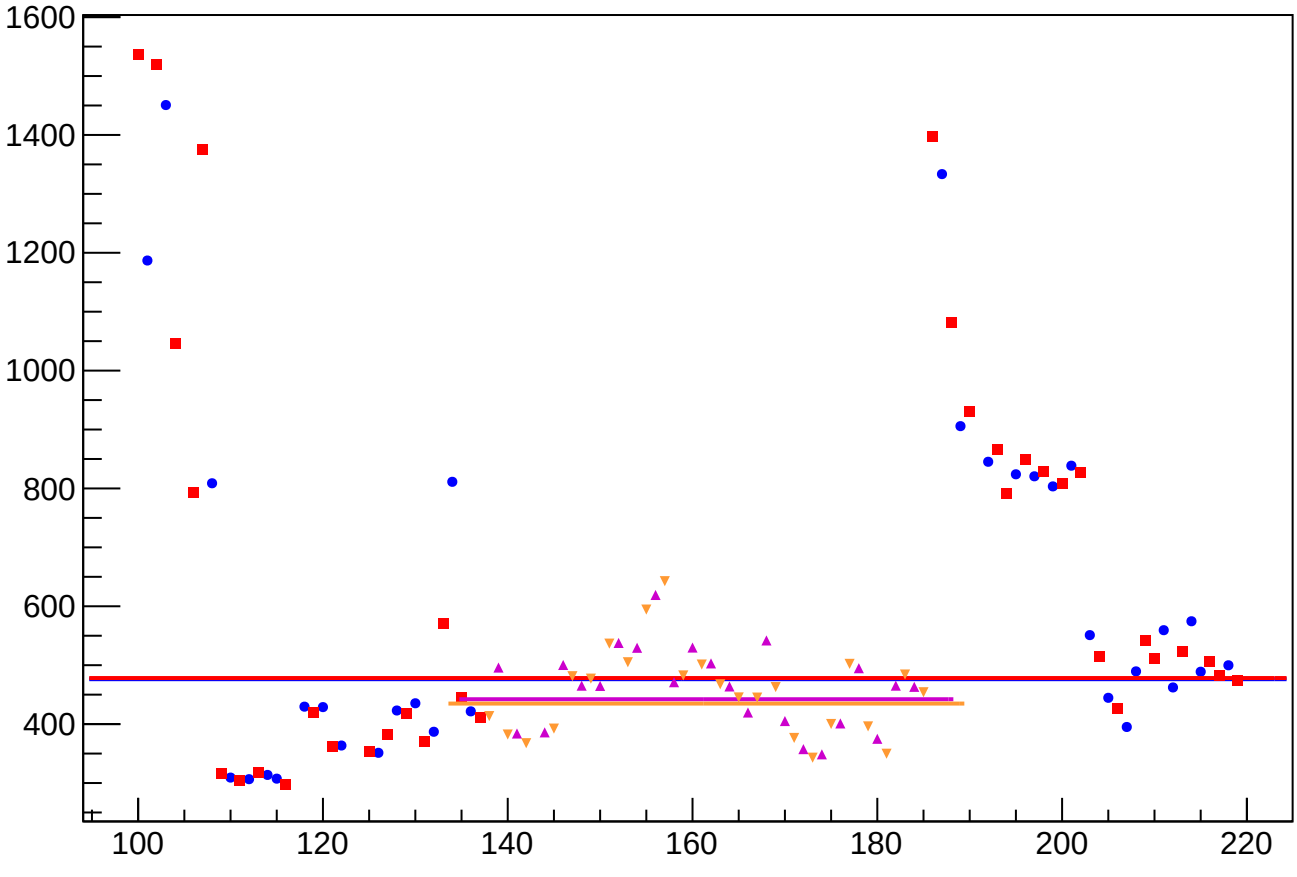
Right: 1115.252+/-0.124 χ^2/NDF: 904220.5/66

In: 1097.628+/-0.126 χ^2/NDF:712830.9/54

Out: 1101.441+/-0.124 χ^2/NDF:335126.2/58

All: 1099.556+/-0.088 χ^2/NDF: 1048422.8/11


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -406.885+/-112.960 χ²/NDF: 46.4/31
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 883.983+/-113.002 χ²/NDF: 173.2/34
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 238.309+/-79.889 χ²/NDF: 284.9/66
In: -188.393+/-76.801 χ²/NDF:85.2/54
Out: 214.279+/-75.961 χ²/NDF:286.1/58
All: 15.157+/-54.007 χ²/NDF: 385.2/113



Right In: 476.249+/-0.080 χ^2/NDF: 4385933.5/31

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 478.190+/-0.080 χ^2/NDF: 5427690.8/34

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

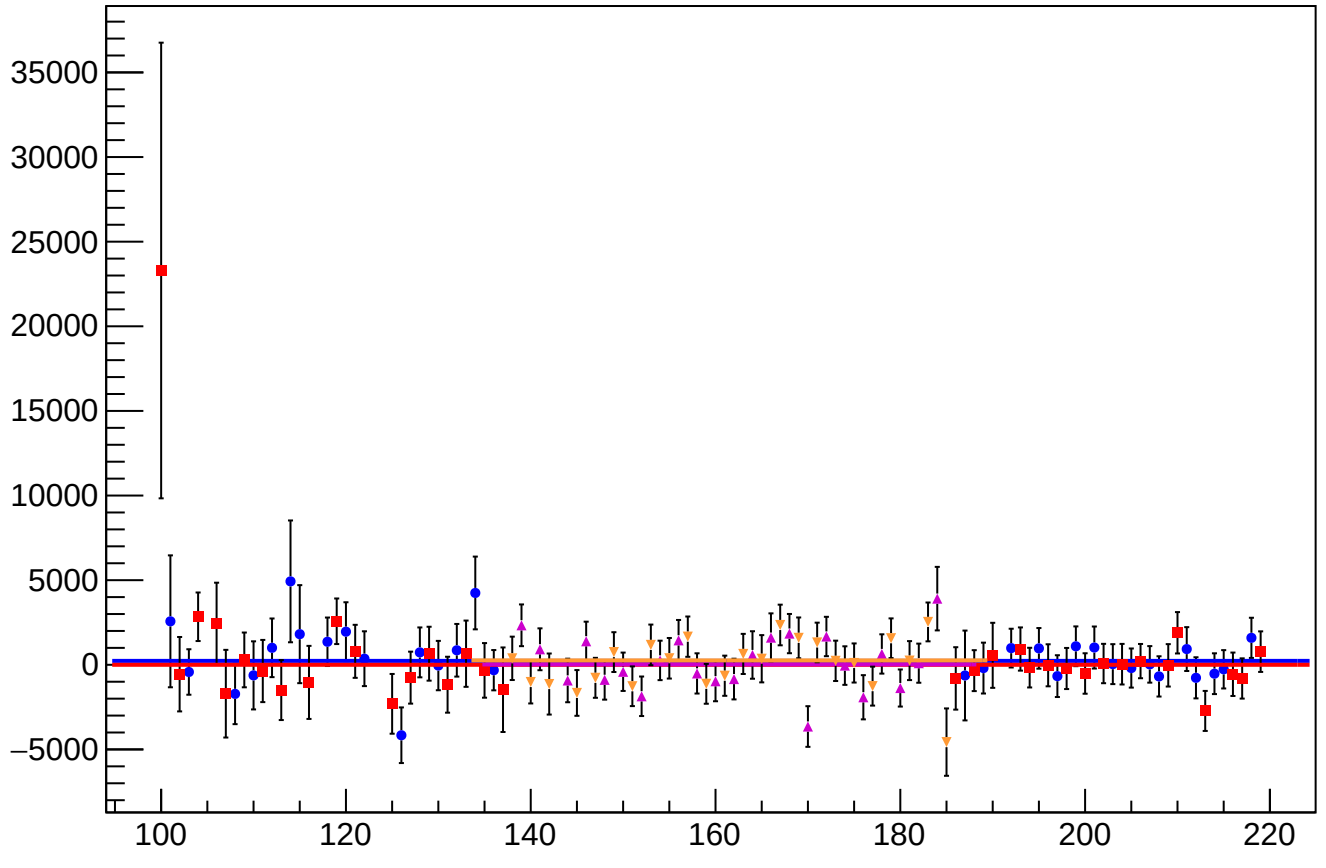
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 477.219+/-0.056 χ^2/NDF: 9813919.4/66

In: 457.945+/-0.054 χ^2/NDF:5309435.3/54

Out: 454.437+/-0.054 χ^2/NDF:6467409.2/58

All: 456.172+/-0.038 χ^2/NDF: 11778953.2/11



Right In: 231.396+/-249.218 χ^2/NDF: 23.1/31

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 0.308+/-245.714 χ^2/NDF: 26.4/34

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

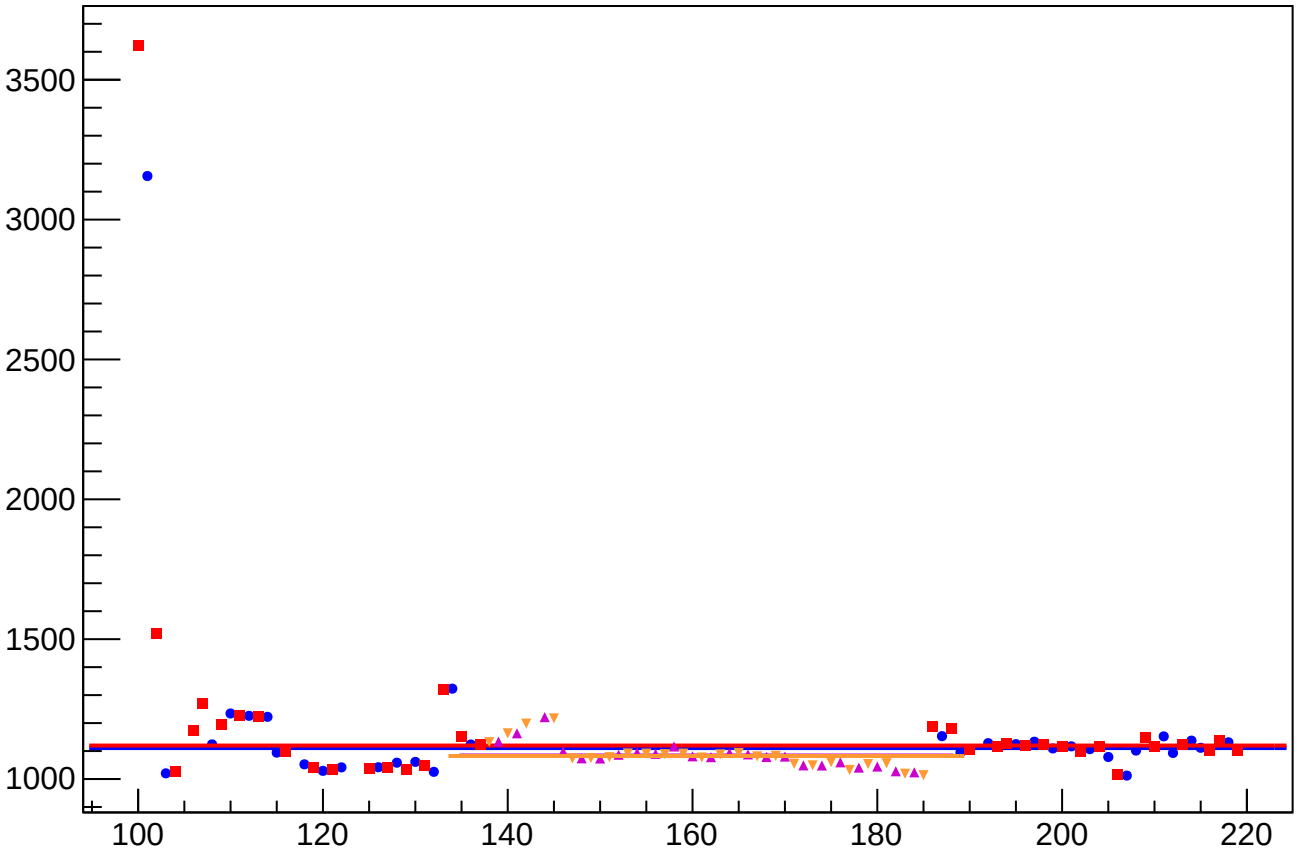
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 114.216+/-174.972 χ^2/NDF: 50.0/66

In: 128.590+/-177.660 χ^2/NDF:59.2/54

Out: 127.496+/-175.722 χ^2/NDF:55.2/58

All: 128.037+/-124.934 χ^2/NDF: 114.4/113



Right In: 1110.657+/-0.176 χ^2/NDF: 648278.2/31

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1119.719+/-0.174 χ^2/NDF: 254601.2/34

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

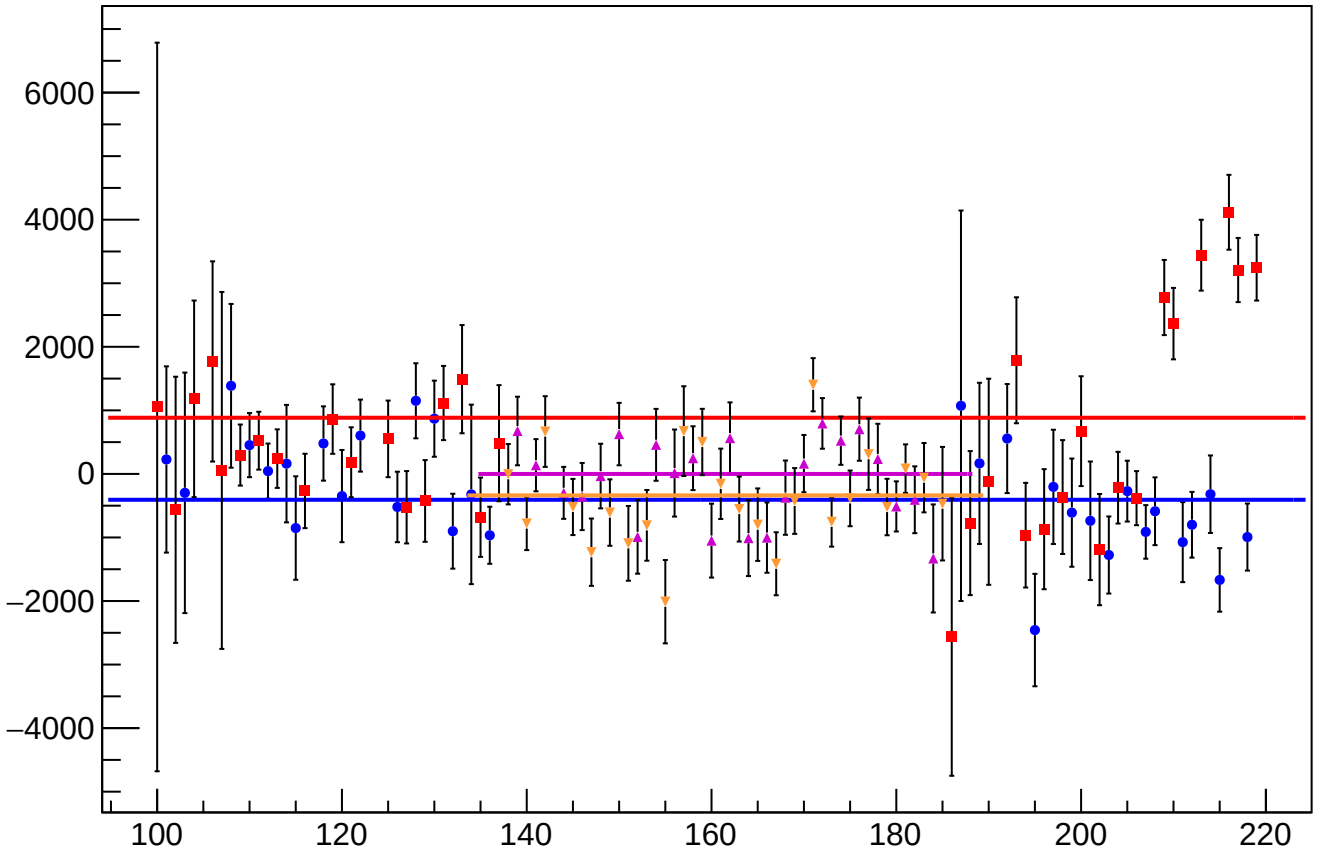
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1115.252+/-0.124 χ^2/NDF: 904220.5/66

In: 1097.628+/-0.126 χ^2/NDF:712830.9/54

Out: 1101.441+/-0.124 χ^2/NDF:335126.2/58

All: 1099.556+/-0.088 χ^2/NDF: 1048422.8/11



Right In: -406.885+/-112.960 χ^2/NDF: 46.4/31

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 883.983+/-113.002 χ^2/NDF: 173.2/34

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

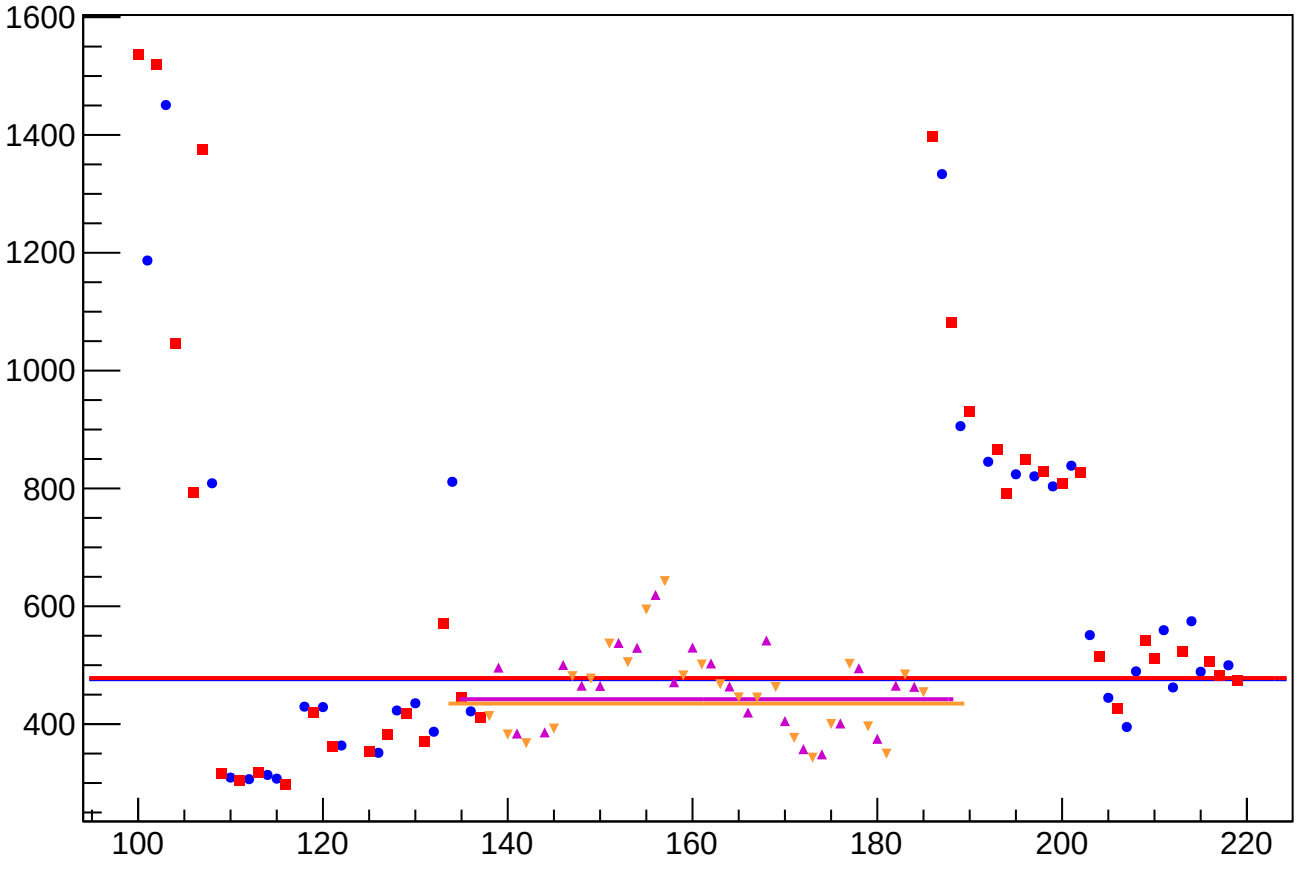
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 238.309+/-79.889 χ^2/NDF: 284.9/66

In: -188.393+/-76.801 χ^2/NDF:85.2/54

Out: 214.279+/-75.961 χ^2/NDF:286.1/58

All: 15.157+/-54.007 χ^2/NDF: 385.2/113



Right In: 476.249+/-0.080 χ^2/NDF: 4385933.5/31

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 478.190+/-0.080 χ^2/NDF: 5427690.8/34

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

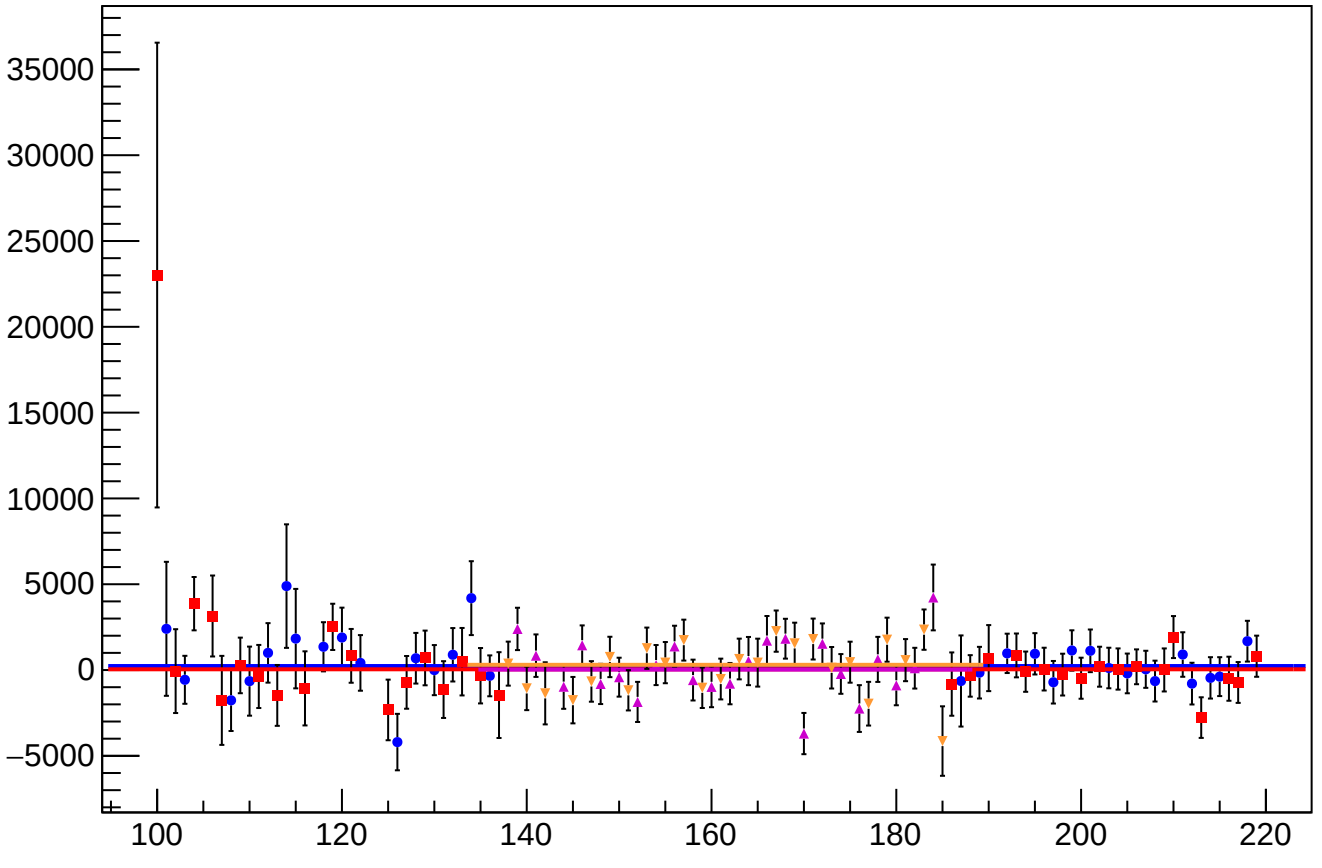
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 477.219+/-0.056 χ^2/NDF: 9813919.4/66

In: 457.945+/-0.054 χ^2/NDF:5309435.3/54

Out: 454.437+/-0.054 χ^2/NDF:6467409.2/58

All: 456.172+/-0.038 χ^2/NDF: 11778953.2/11



Right In: 233.666+/-249.816 χ^2/NDF: 23.4/31

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 43.543+/-246.760 χ^2/NDF: 29.2/34

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

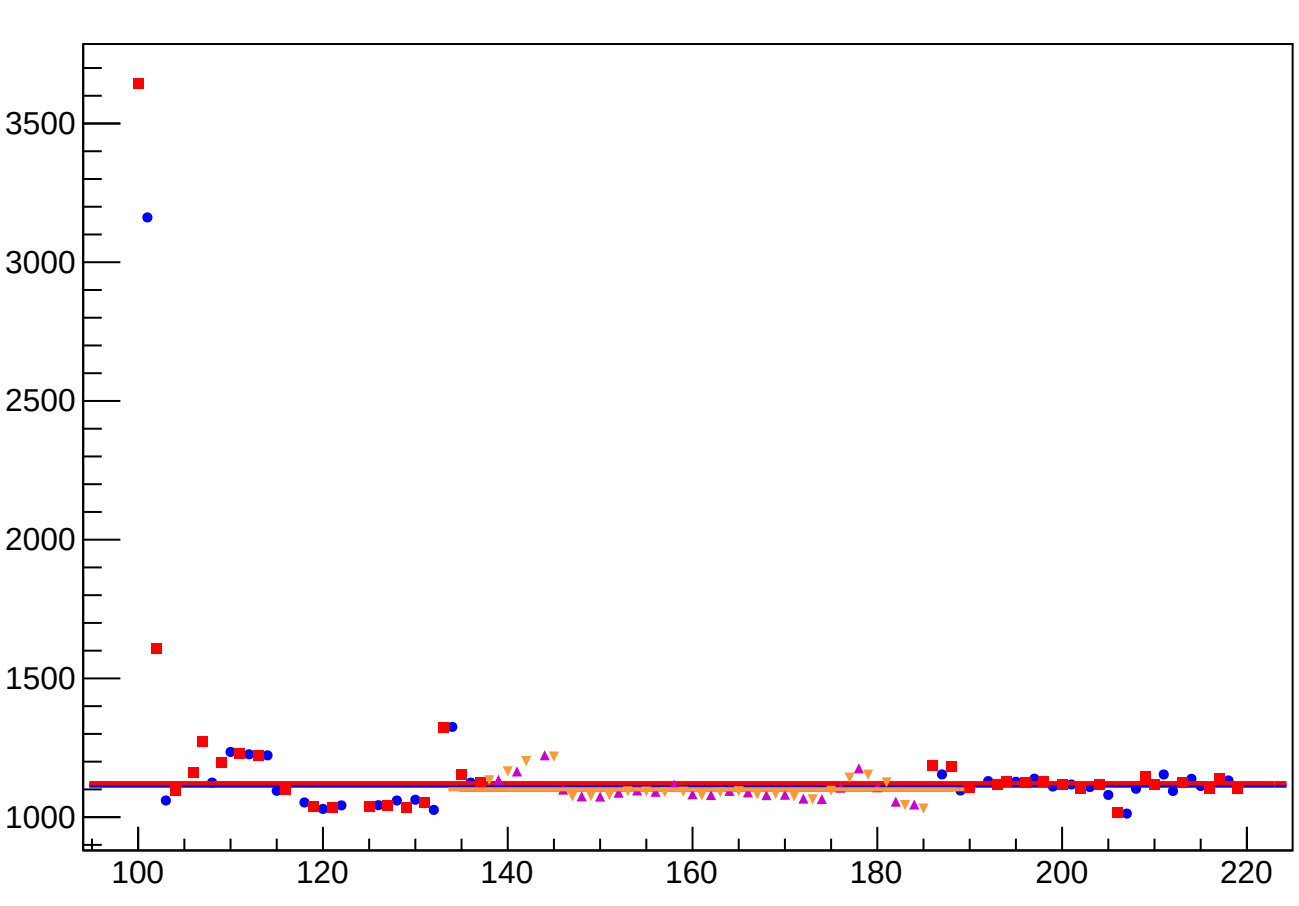
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 137.434+/-175.556 χ^2/NDF: 52.9/66

In: 132.390+/-179.087 χ^2/NDF:59.6/54

Out: 168.924+/-177.514 χ^2/NDF:58.2/58

All: 150.818+/-126.074 χ^2/NDF: 117.8/113



Right In: 1113.344+/-0.177 χ^2/NDF: 643003.7/31

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1122.781+/-0.174 χ^2/NDF: 260471.1/34

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

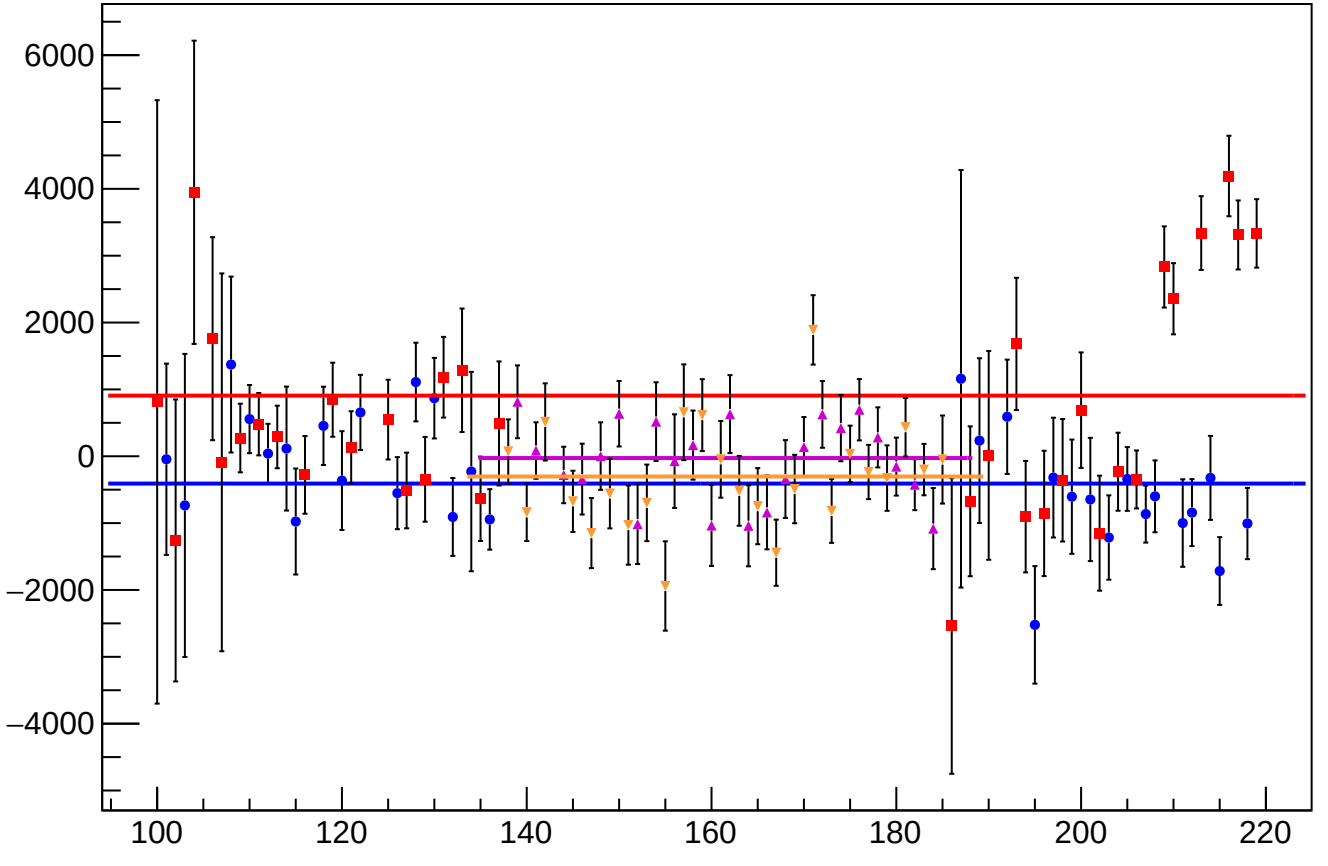
Right: 1118.121+/-0.124 χ^2/NDF: 904919.6/66

In: 1106.538+/-0.127 χ^2/NDF:690843.3/54

Out: 1111.914+/-0.126 χ^2/NDF:317284.9/58

All: 1109.249+/-0.089 χ^2/NDF: 1009037.4/11

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -408.799+/-113.582 χ^2/NDF: 46.7/31

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 906.891+/-114.229 χ^2/NDF: 175.0/34

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

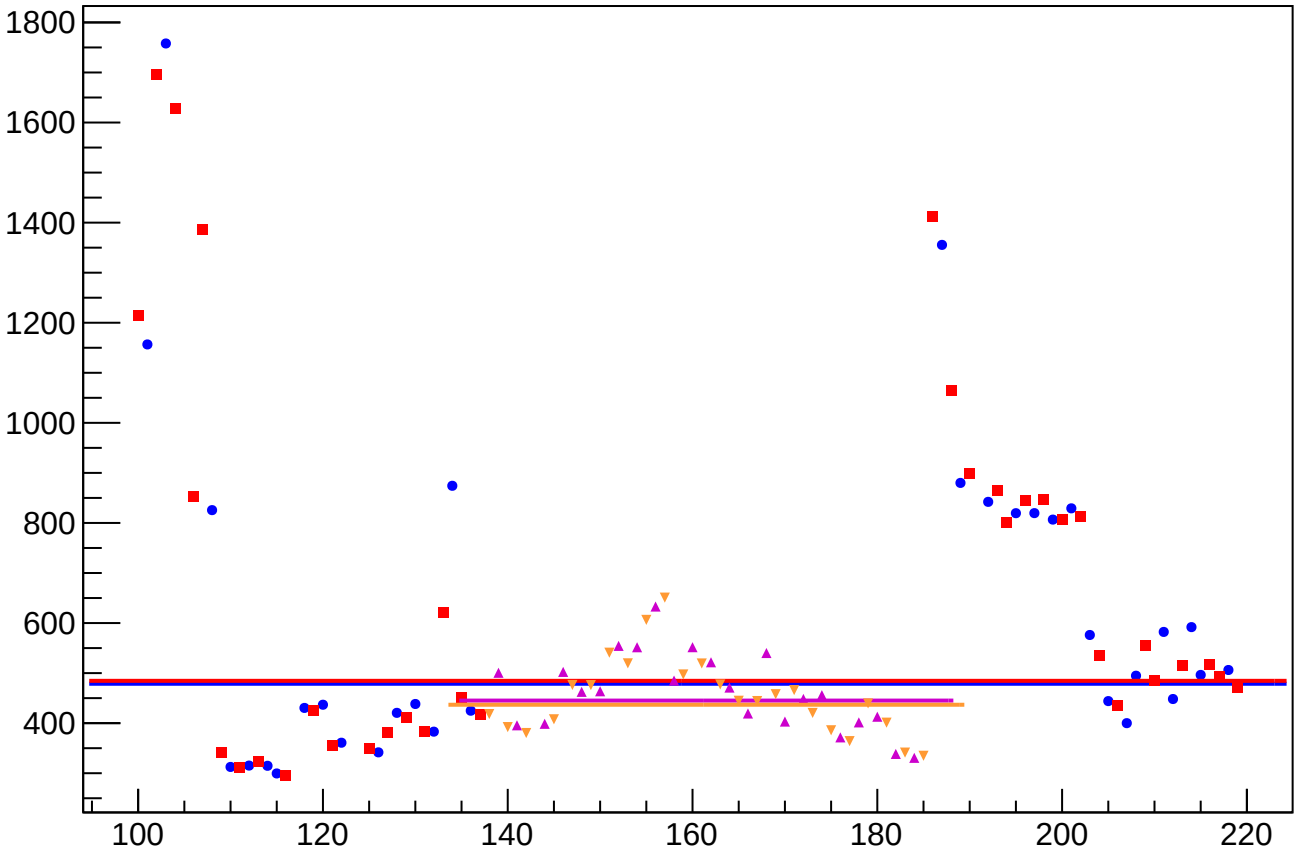
Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

Right: 245.309+/-80.542 χ^2/NDF: 288.4/66

In: -203.551+/-77.268 χ^2/NDF:80.7/54

Out: 239.333+/-76.486 χ^2/NDF:286.4/58

All: 20.142+/-54.358 χ^2/NDF: 383.7/113



Right In: 478.730+/-0.080 χ^2/NDF: 4522801.2/31

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 484.577+/-0.081 χ^2/NDF: 5742493.6/34

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

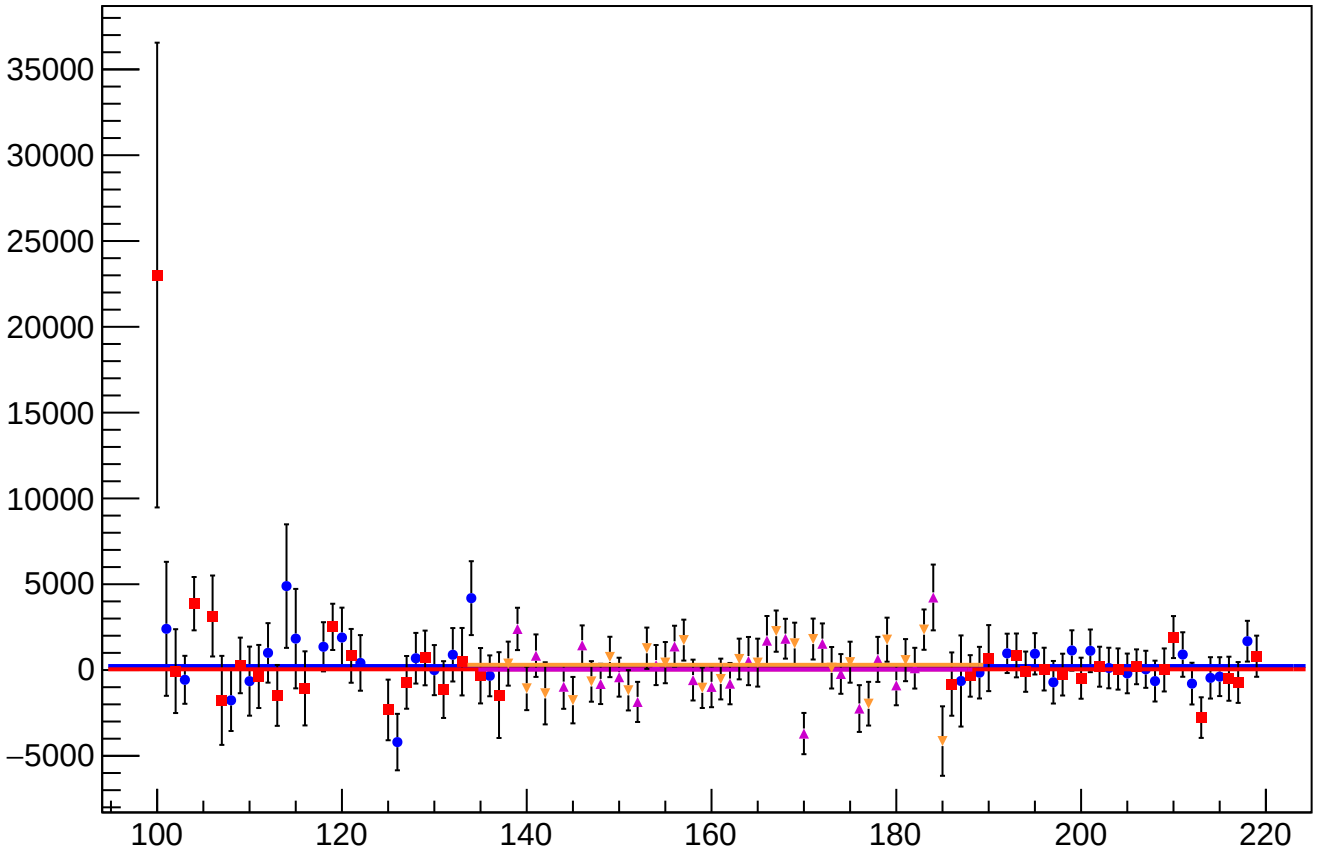
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 481.637+/-0.057 χ^2/NDF: 10267929.6/66

In: 460.668+/-0.055 χ^2/NDF:5491480.5/54

Out: 458.214+/-0.054 χ^2/NDF:6790816.9/58

All: 459.429+/-0.038 χ^2/NDF: 12283317.0/11



Right In: 233.663+/-249.816 χ^2/NDF: 23.4/31

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: 43.541+/-246.760 χ^2/NDF: 29.2/34

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

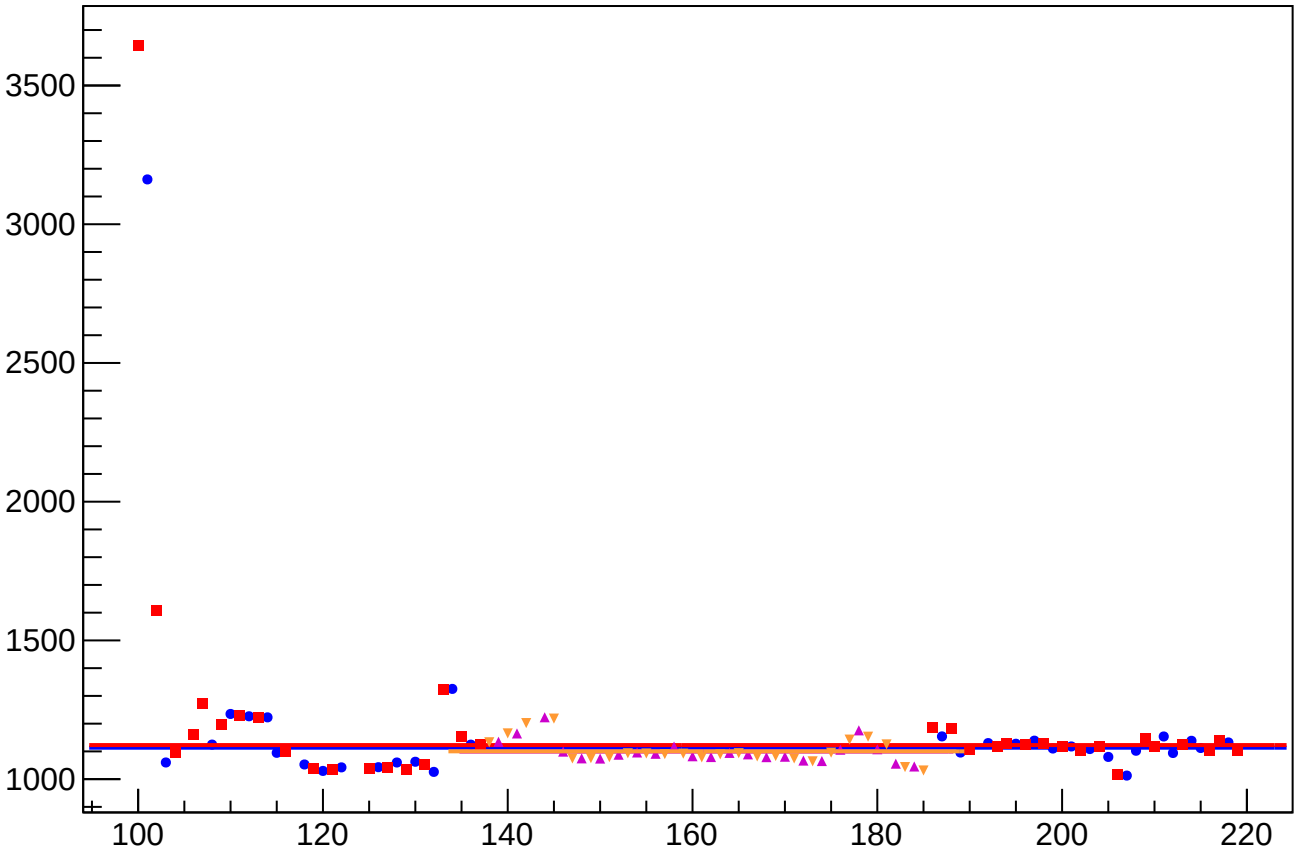
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 137.432+/-175.556 χ^2/NDF: 52.9/66

In: 132.390+/-179.087 χ^2/NDF:59.6/54

Out: 168.922+/-177.514 χ^2/NDF:58.2/58

All: 150.817+/-126.074 χ^2/NDF: 117.8/113



Right In: 1113.344+/-0.177 χ^2/NDF: 643003.7/31

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1122.781+/-0.174 χ^2/NDF: 260471.2/34

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

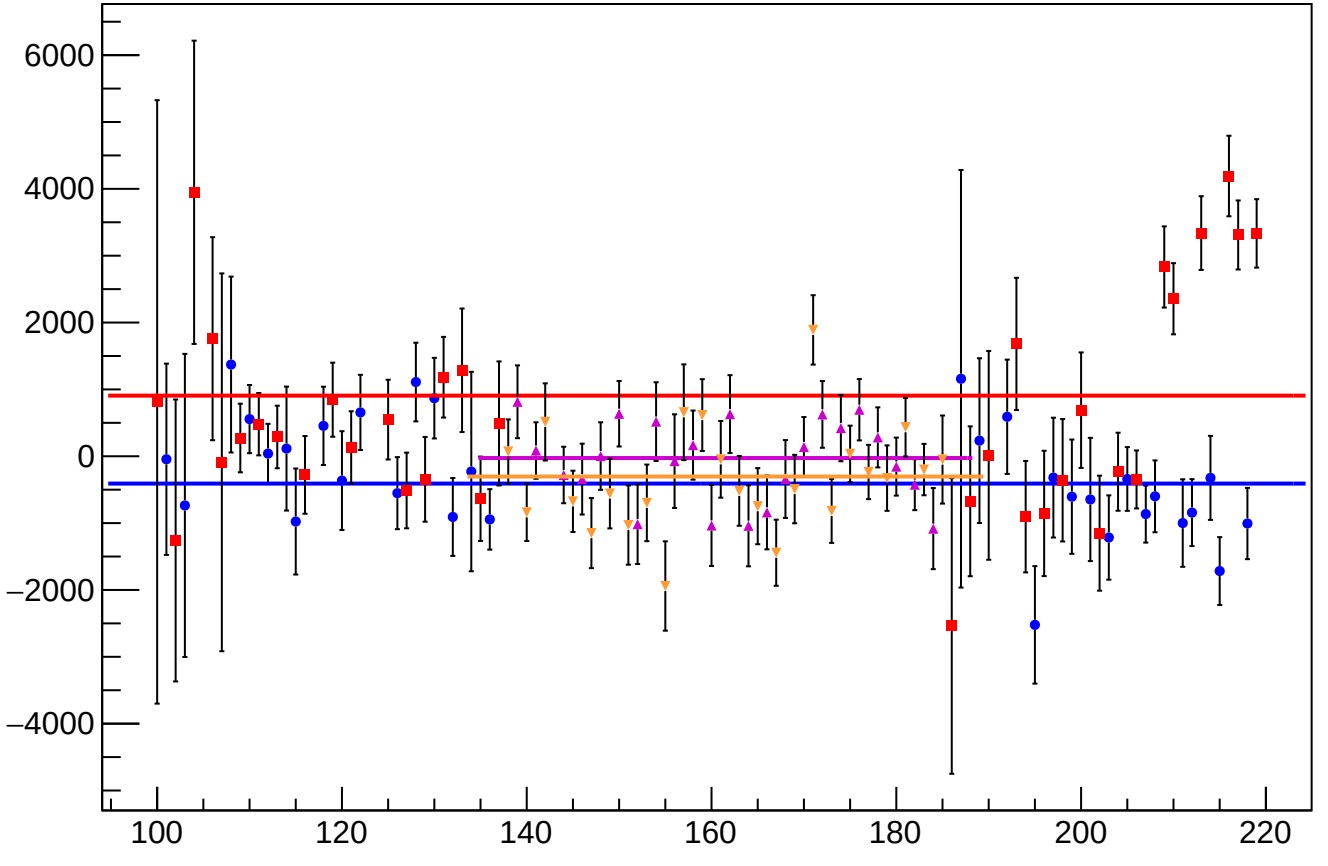
Right: 1118.121+/-0.124 χ^2/NDF: 904919.7/66

In: 1106.537+/-0.127 χ^2/NDF:690843.4/54

Out: 1111.914+/-0.126 χ^2/NDF:317285.2/58

All: 1109.249+/-0.089 χ^2/NDF: 1009037.8/11

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -408.803+/-113.581 χ^2/NDF: 46.7/31

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

Right Out: 906.878+/-114.228 χ^2/NDF: 175.0/34

Left In: -26.739+/-105.420 χ^2/NDF:27.9/22

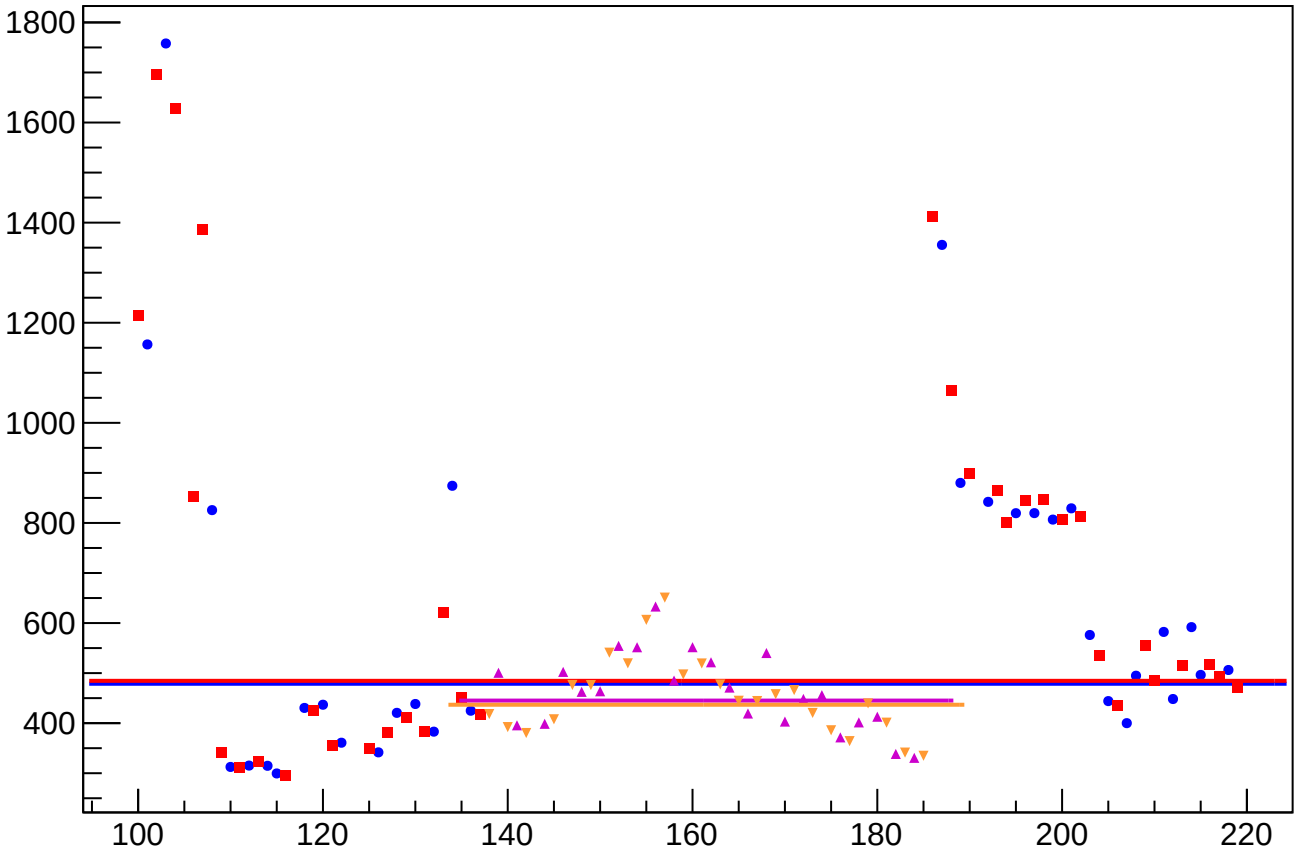
Left: -168.217+/-73.665 χ^2/NDF: 80.9/46

Right: 245.301+/-80.542 χ^2/NDF: 288.4/66

In: -203.554+/-77.268 χ^2/NDF:80.7/54

Out: 239.328+/-76.486 χ^2/NDF:286.4/58

All: 20.139+/-54.358 χ^2/NDF: 383.7/113



Right In: 478.728+/-0.080 χ^2/NDF: 4522835.7/31

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 484.575+/-0.081 χ^2/NDF: 5742564.4/34

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

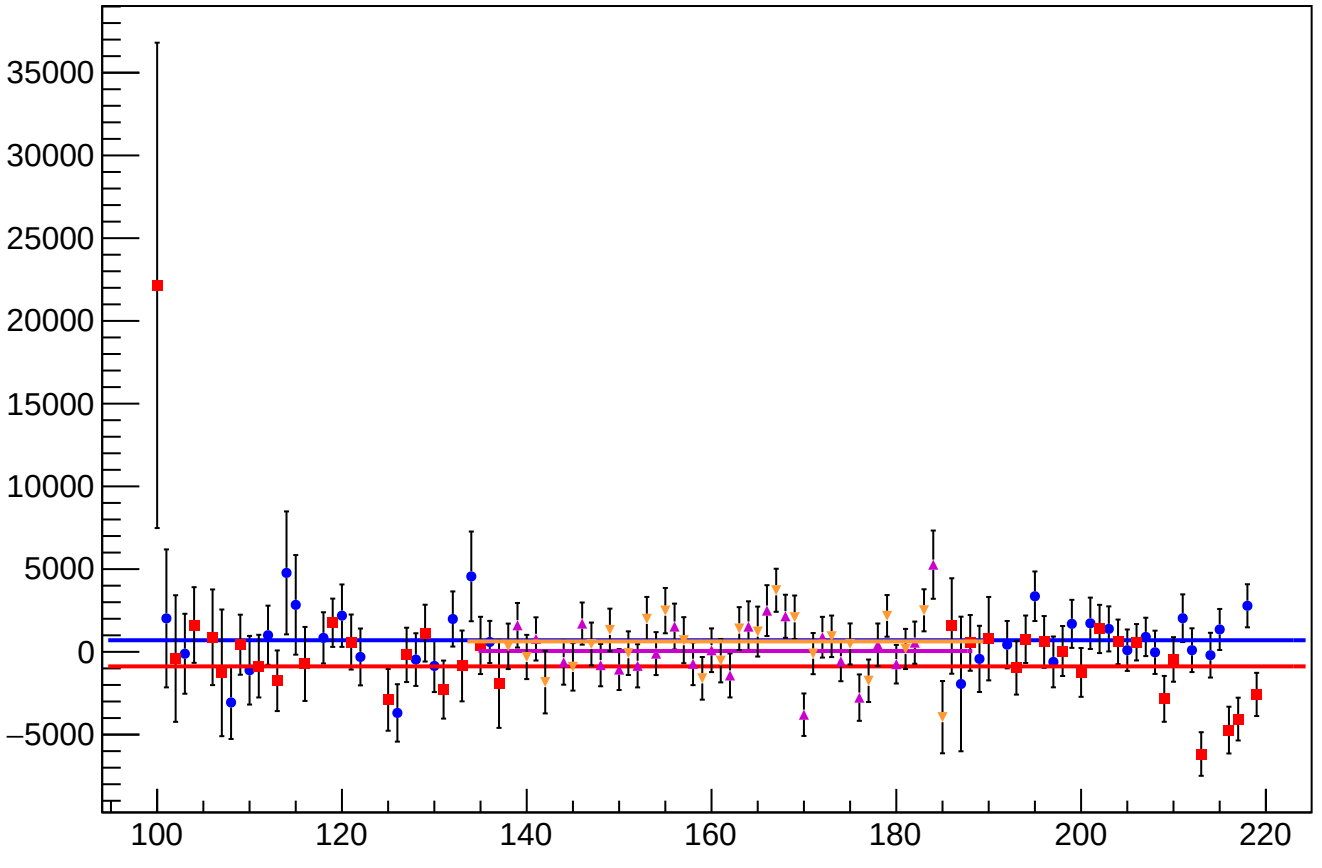
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 481.635+/-0.057 χ^2/NDF: 10268035.0/66

In: 460.667+/-0.055 χ^2/NDF:5491538.9/54

Out: 458.212+/-0.054 χ^2/NDF:6790903.0/58

All: 459.427+/-0.038 χ^2/NDF: 12283461.4/1



Right In: 701.774+/-284.635 χ^2/NDF: 27.9/31

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -877.268+/-284.345 χ^2/NDF: 56.2/34

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

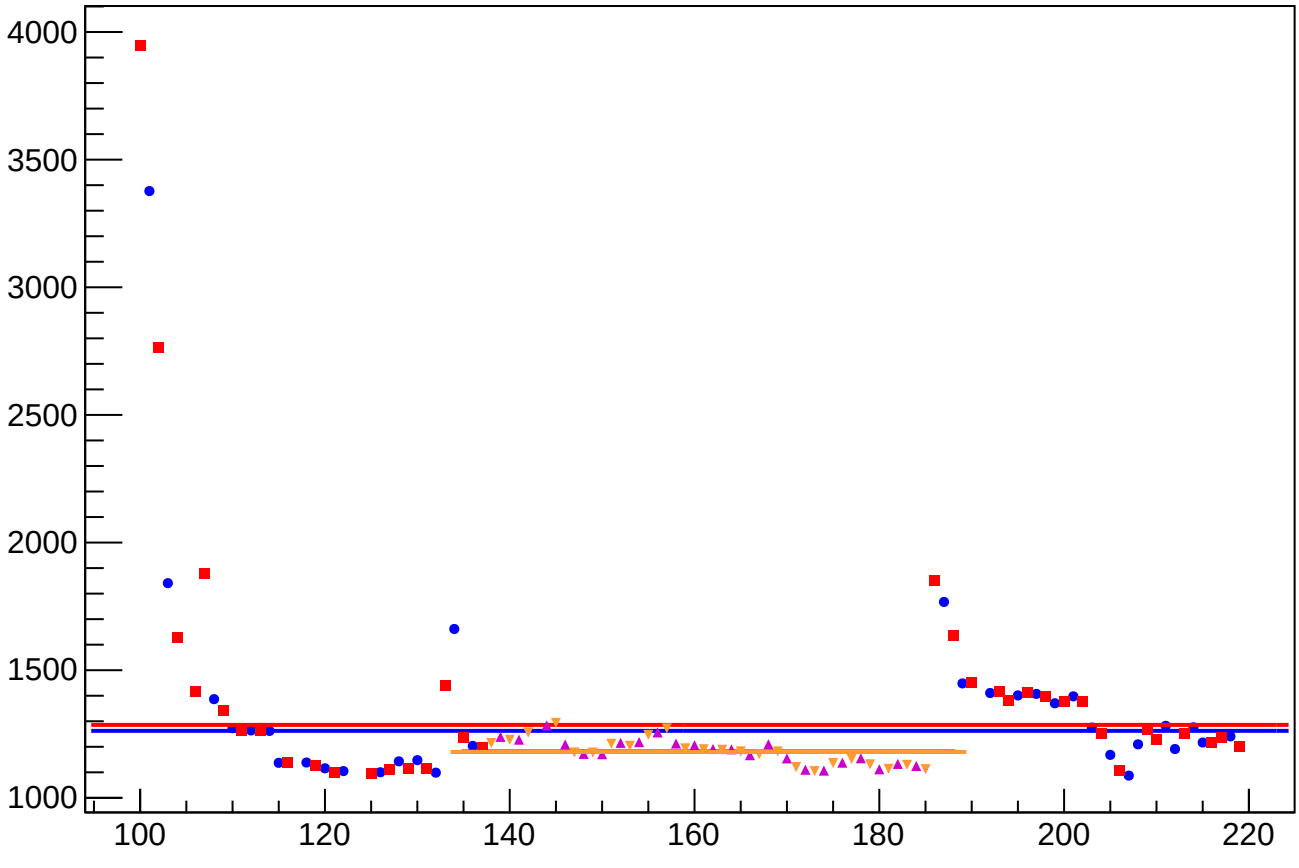
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: -88.553+/-201.165 χ^2/NDF: 99.5/66

In: 366.531+/-198.223 χ^2/NDF:65.5/54

Out: -94.393+/-197.325 χ^2/NDF:101.0/58

All: 135.024+/-139.846 χ^2/NDF: 169.3/113



Right In: 1262.480+/-0.201 χ^2/NDF: 987872.8/31

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1285.805+/-0.201 χ^2/NDF: 927740.8/34

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

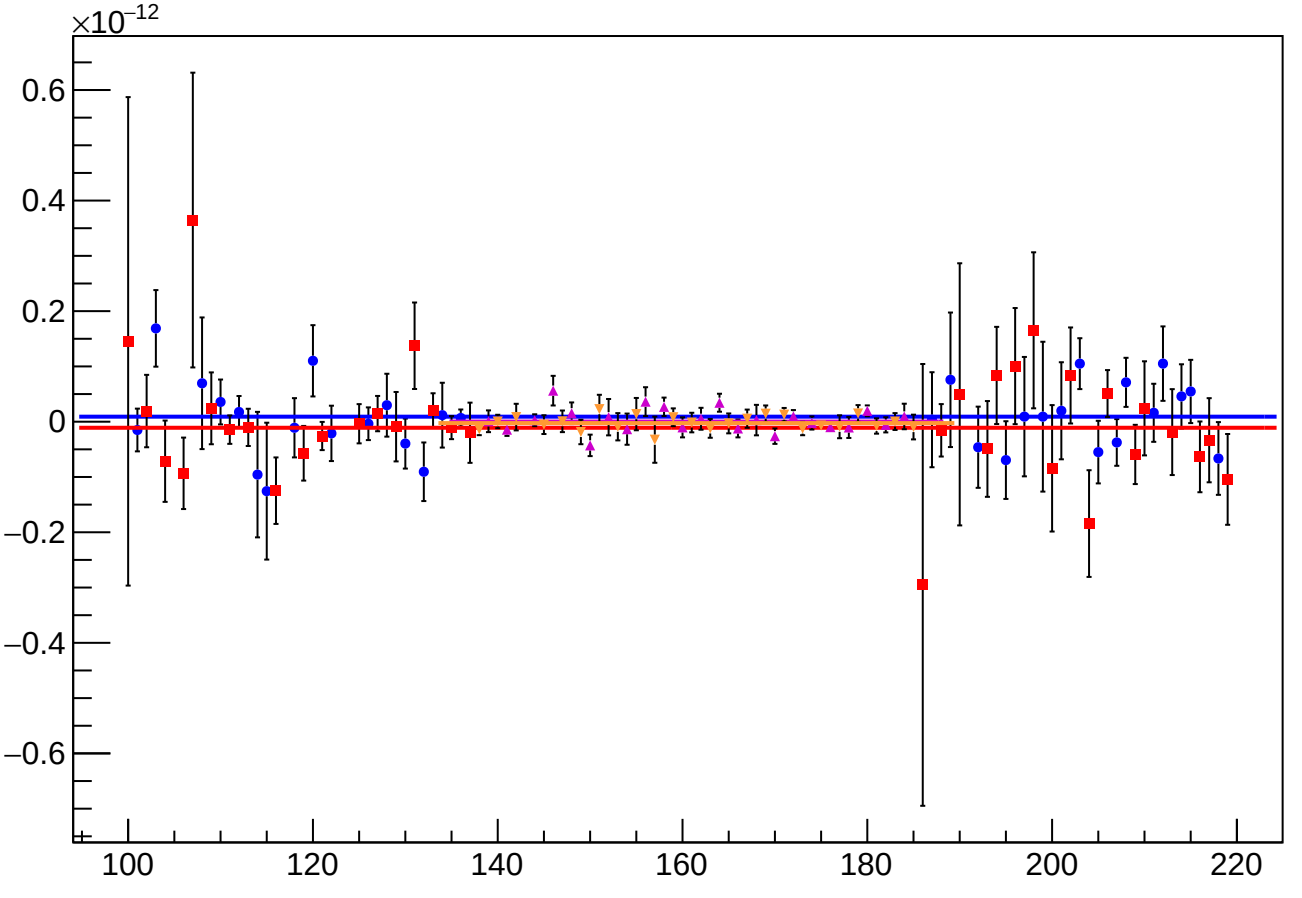
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1274.154+/-0.142 χ^2/NDF: 1922335.7/66

In: 1220.995+/-0.140 χ^2/NDF:1130721.0/54

Out: 1230.806+/-0.140 χ^2/NDF:1136745.3/58

All: 1225.923+/-0.099 χ^2/NDF: 2269927.1/11



Right In: 0.000+/-0.000 χ^2/NDF: 31.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/34

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

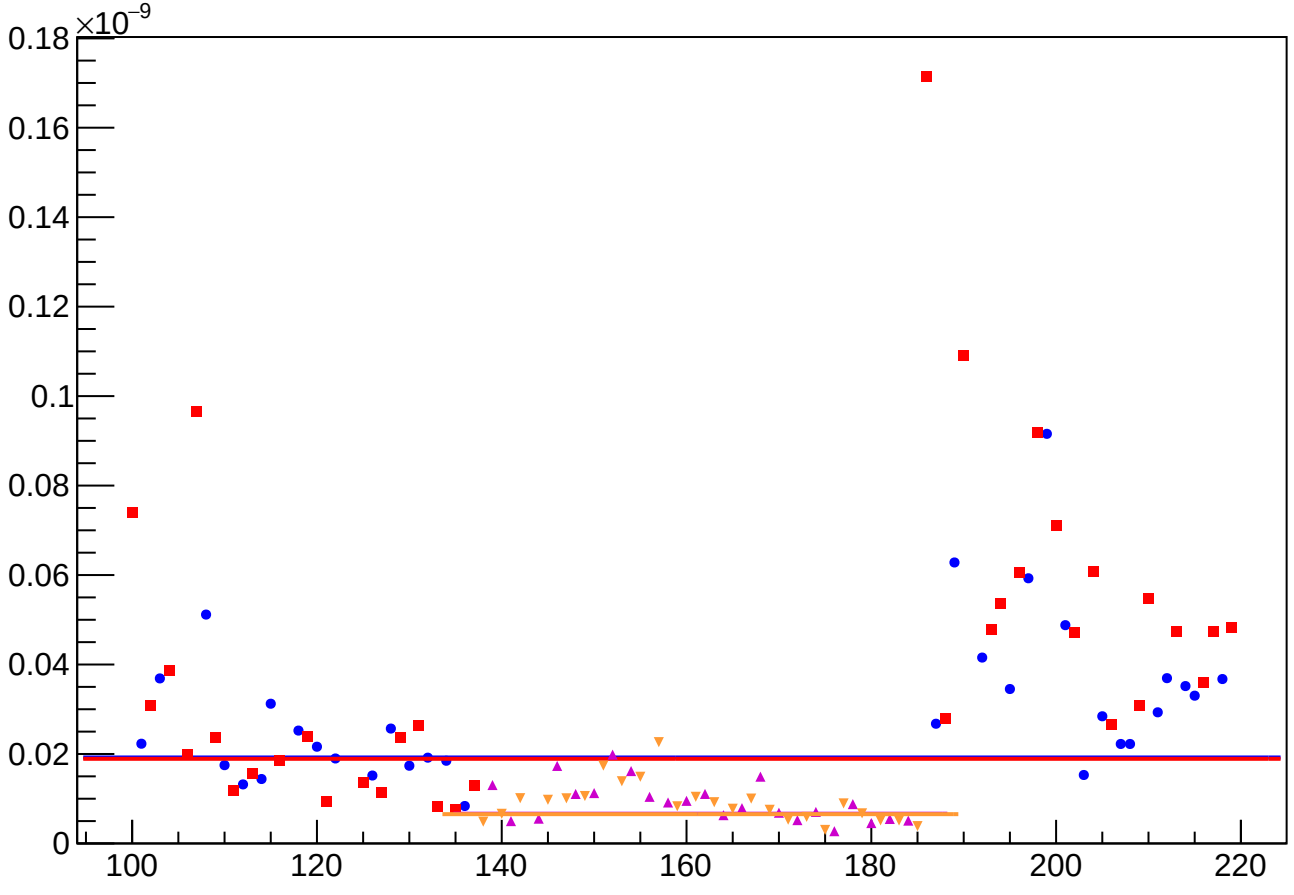
Right: -0.000+/-0.000 χ^2/NDF: 64.4/66

In: 0.000+/-0.000 χ^2/NDF:65.4/54

Out: -0.000+/-0.000 χ^2/NDF:41.0/58

All: -0.000+/-0.000 χ^2/NDF: 107.9/113

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3831048.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6454057.7/34

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

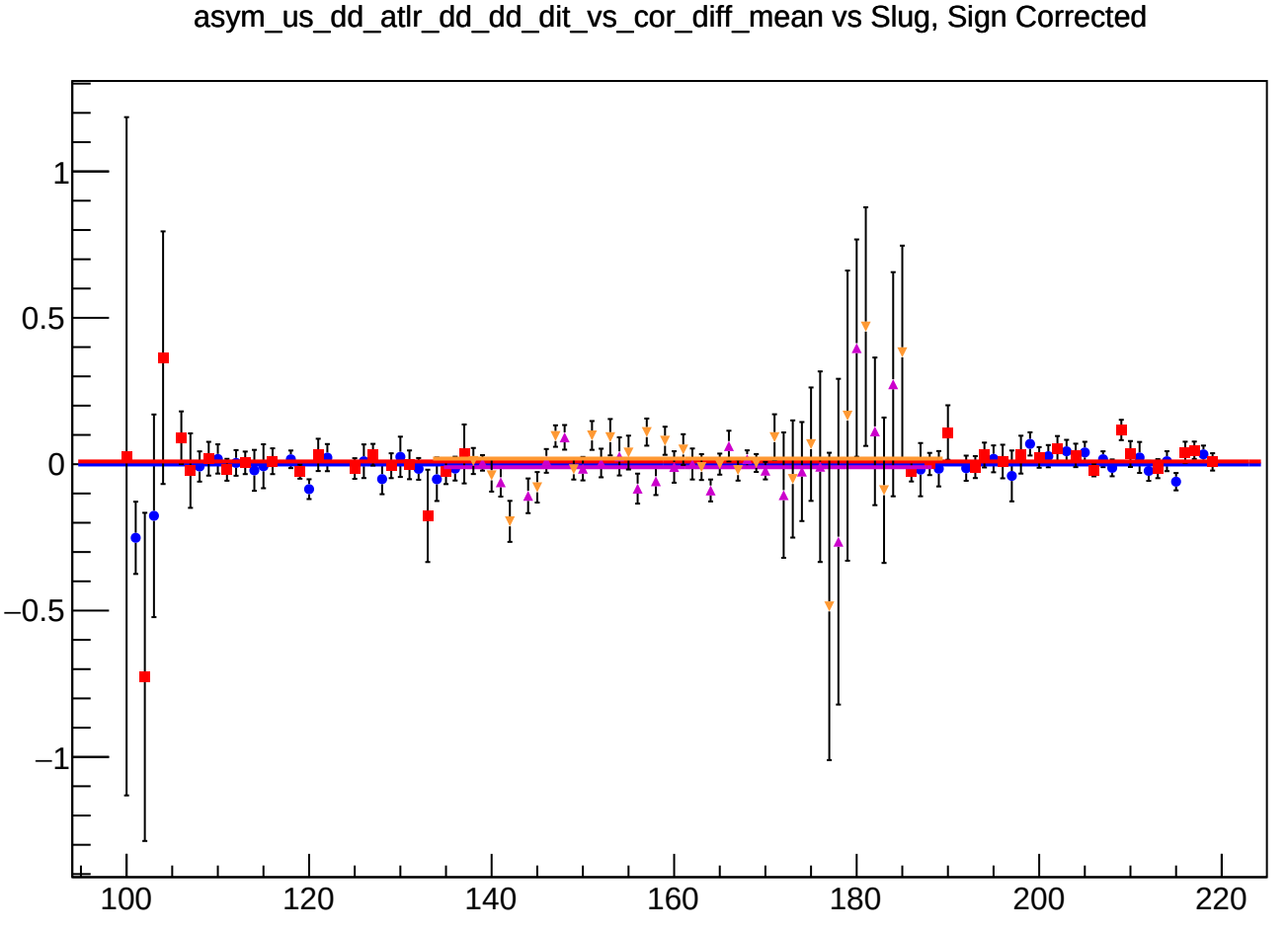
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 10286380.8/66

In: 0.000+/-0.000 χ^2/NDF:10495378.4/54

Out: 0.000+/-0.000 χ^2/NDF:12674474.2/58

All: 0.000+/-0.000 χ^2/NDF: 23175468.0/113



Right In: -0.001+/-0.007 χ^2/NDF: 26.8/31

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.009+/-0.007 χ^2/NDF: 28.5/34

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

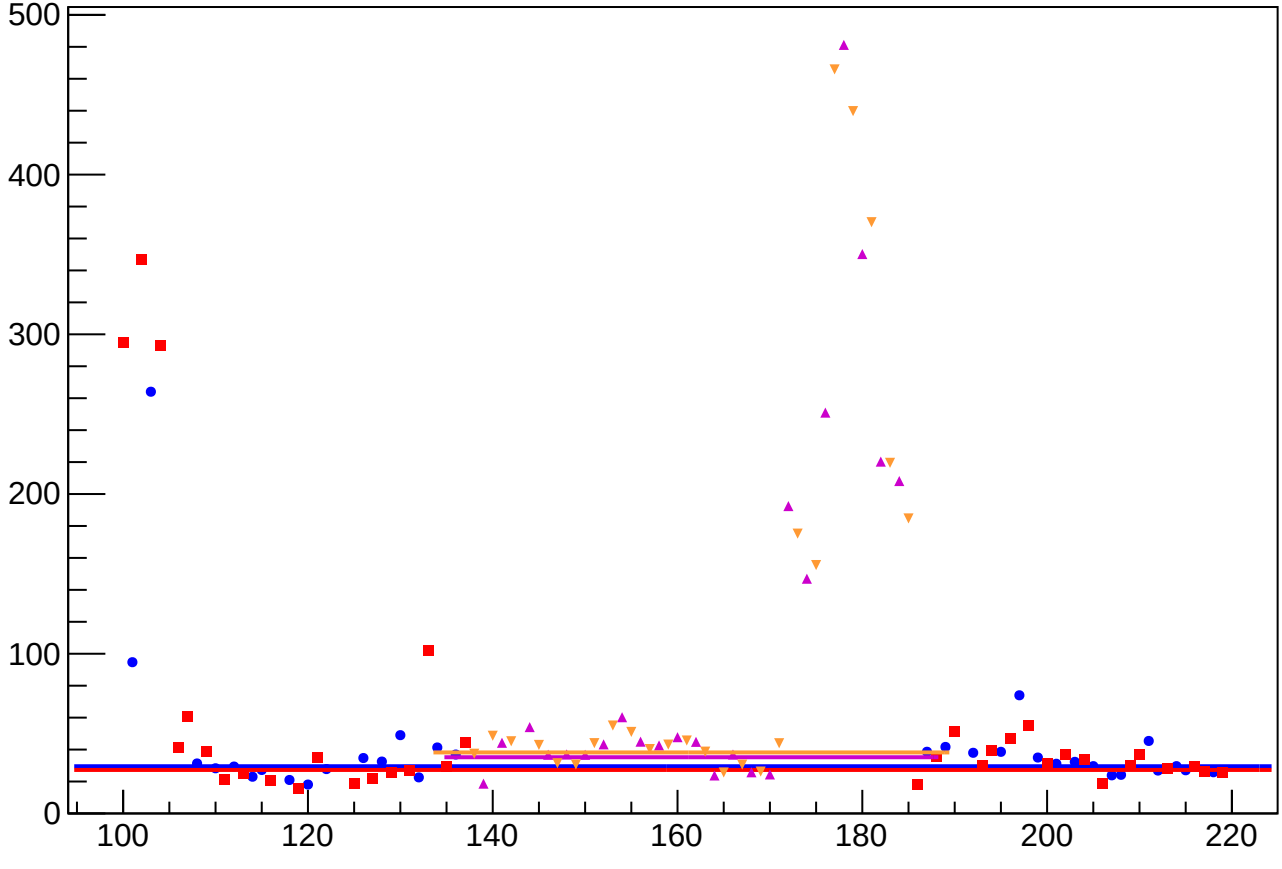
Right: 0.005+/-0.005 χ^2/NDF: 56.3/66

In: -0.004+/-0.006 χ^2/NDF:50.9/54

Out: 0.012+/-0.006 χ^2/NDF:65.0/58

All: 0.004+/-0.004 χ^2/NDF: 119.8/113

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.558+/-0.005 χ^2/NDF: 3486783.3/31

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.243+/-0.005 χ^2/NDF: 4837265.9/34

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

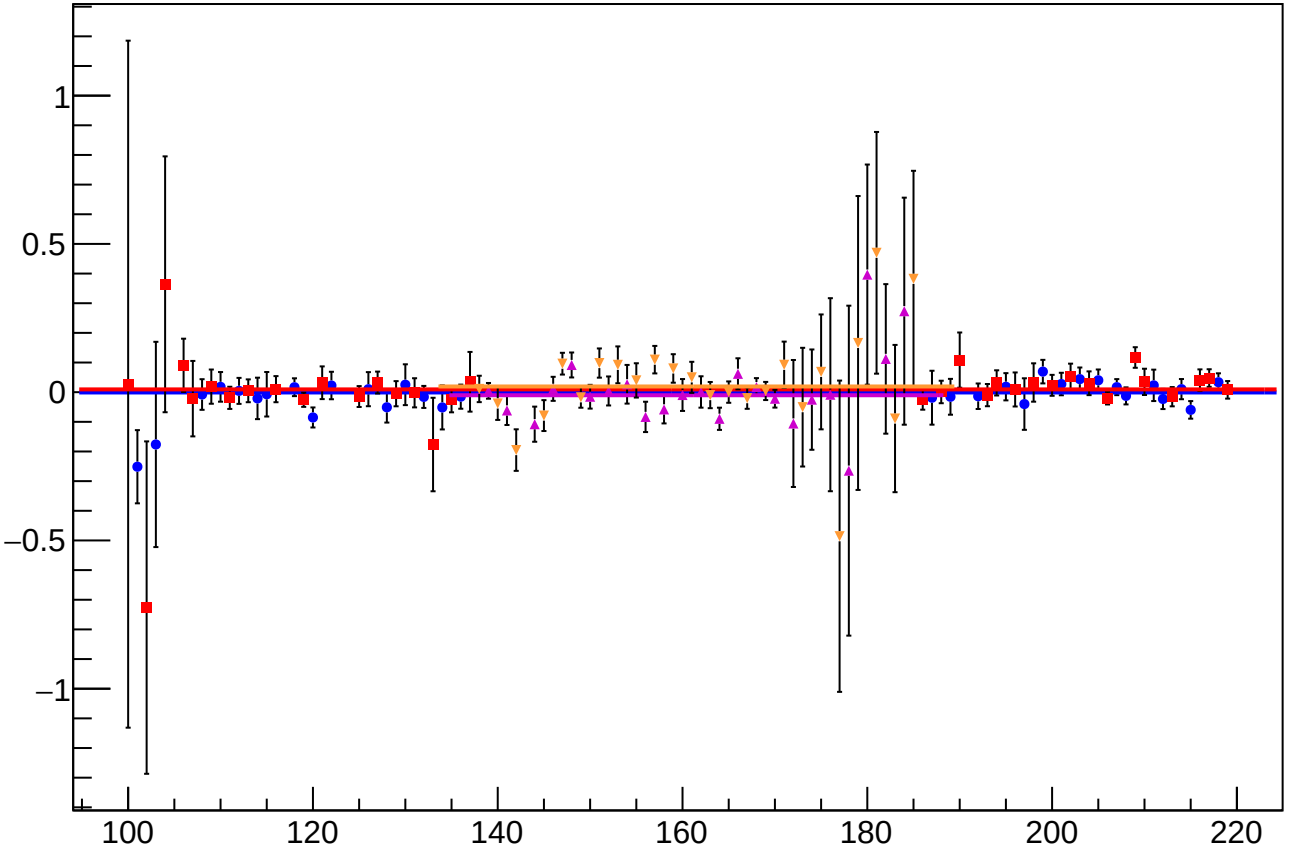
Right: 28.315+/-0.004 χ^2/NDF: 8426498.4/66

In: 31.519+/-0.004 χ^2/NDF:13271223.0/54

Out: 30.458+/-0.004 χ^2/NDF:14578419.6/58

All: 30.970+/-0.003 χ^2/NDF: 27881436.0/113

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.007 χ^2/NDF: 26.8/31

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.009+/-0.007 χ^2/NDF: 28.5/34

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

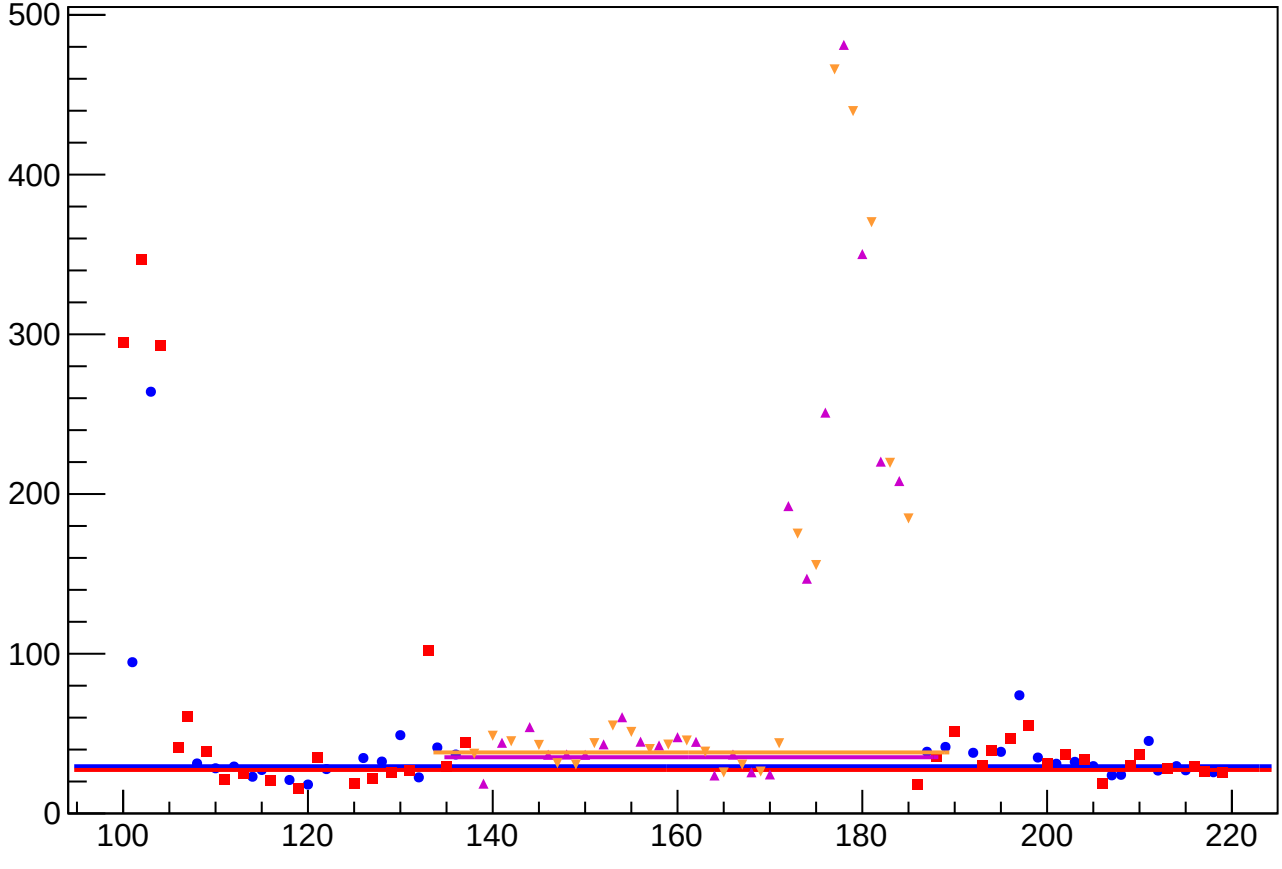
Right: 0.005+/-0.005 χ^2/NDF: 56.3/66

In: -0.004+/-0.006 χ^2/NDF:50.9/54

Out: 0.012+/-0.006 χ^2/NDF:65.0/58

All: 0.004+/-0.004 χ^2/NDF: 119.8/113

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.558+/-0.005 χ^2/NDF: 3486783.3/31

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.243+/-0.005 χ^2/NDF: 4837265.9/34

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

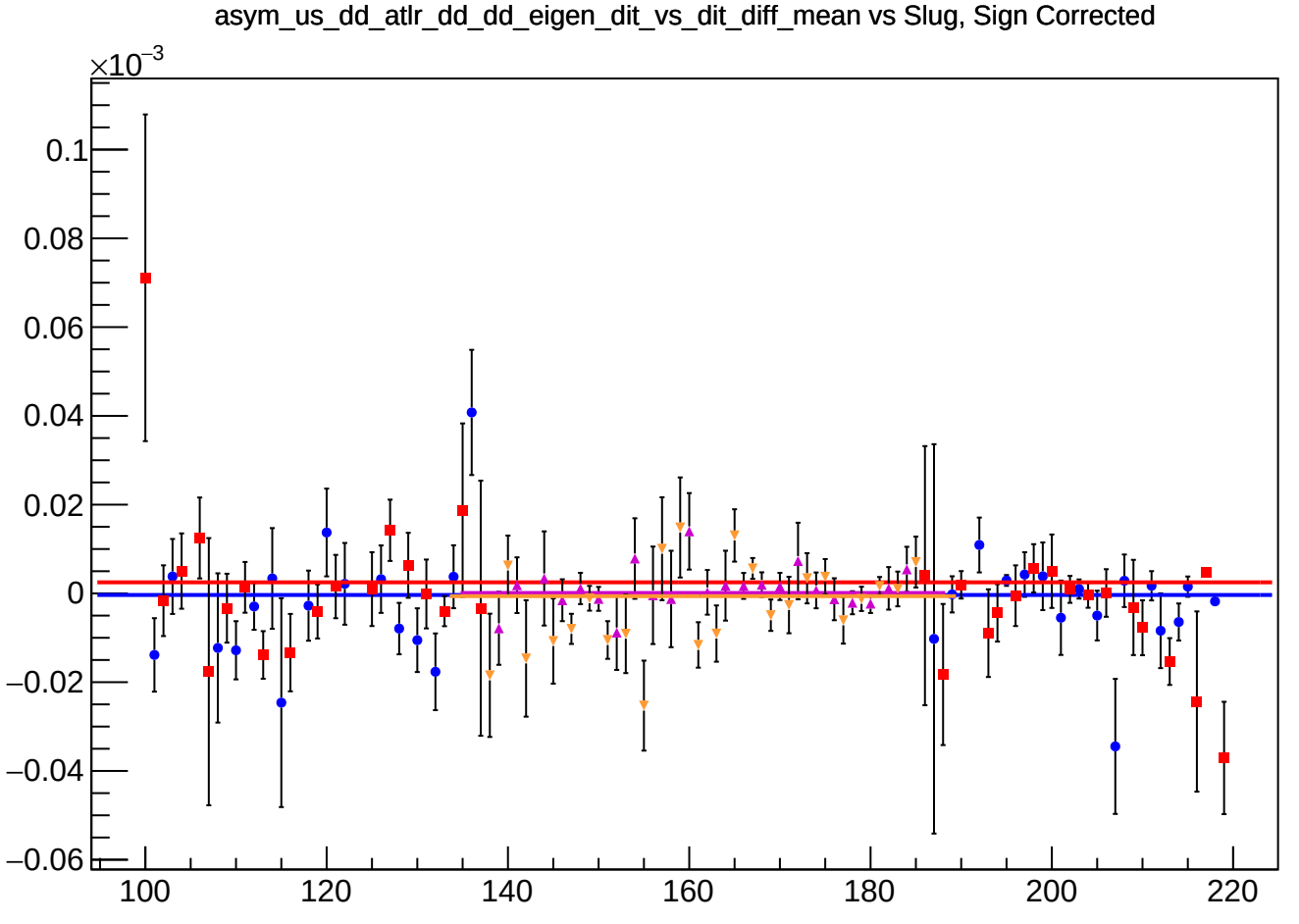
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 28.315+/-0.004 χ^2/NDF: 8426498.4/66

In: 31.519+/-0.004 χ^2/NDF:13271223.0/54

Out: 30.458+/-0.004 χ^2/NDF:14578419.6/58

All: 30.970+/-0.003 χ^2/NDF: 27881436.0/113



Right In: -0.000+/-0.000 χ^2/NDF: 53.1/31

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 67.8/34

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

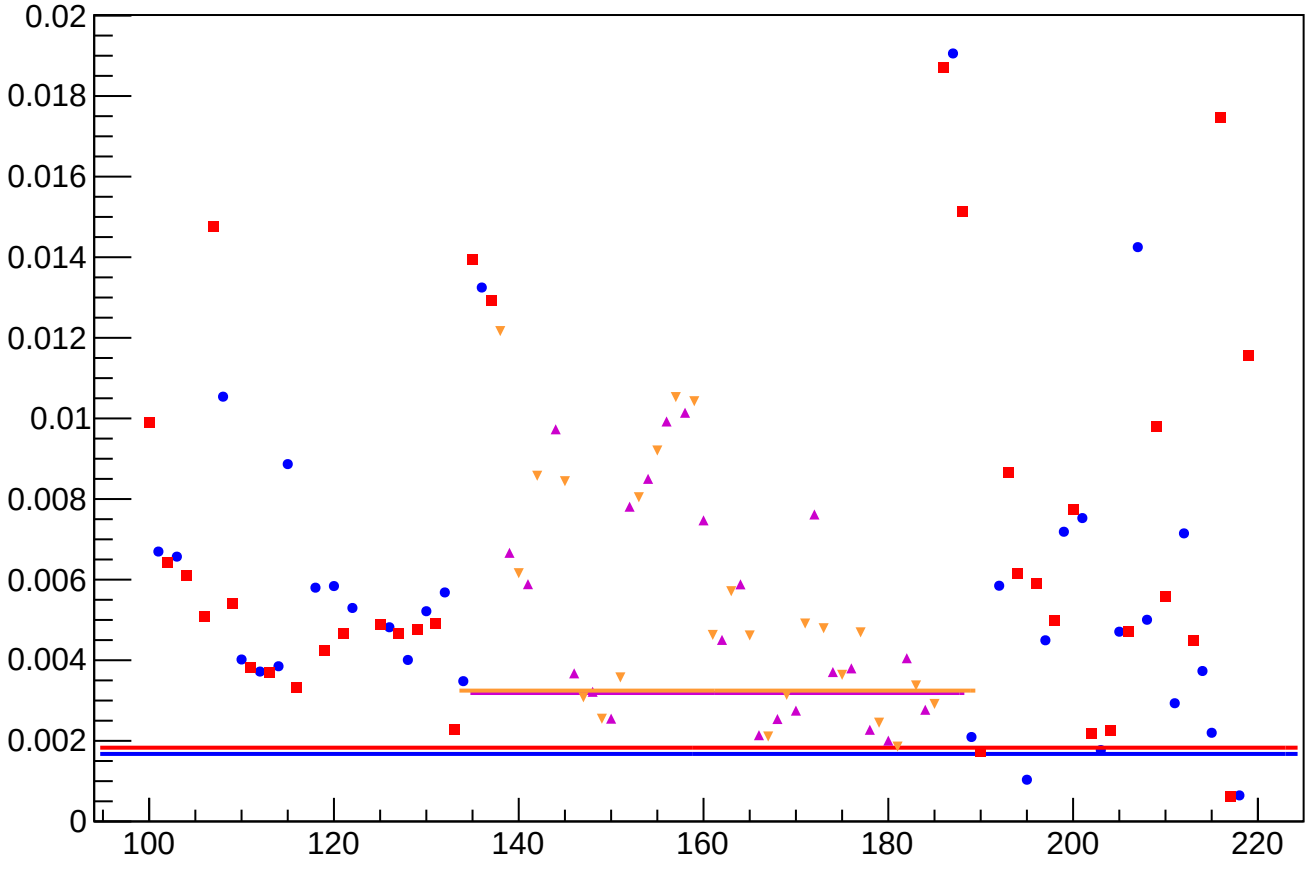
Right: 0.000+/-0.000 χ^2/NDF: 132.2/66

In: -0.000+/-0.000 χ^2/NDF:64.3/54

Out: 0.000+/-0.000 χ^2/NDF:127.4/58

All: 0.000+/-0.000 χ^2/NDF: 197.1/113

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 18916926.9/31

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.002+/-0.000 χ^2/NDF: 22024400.5/34

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

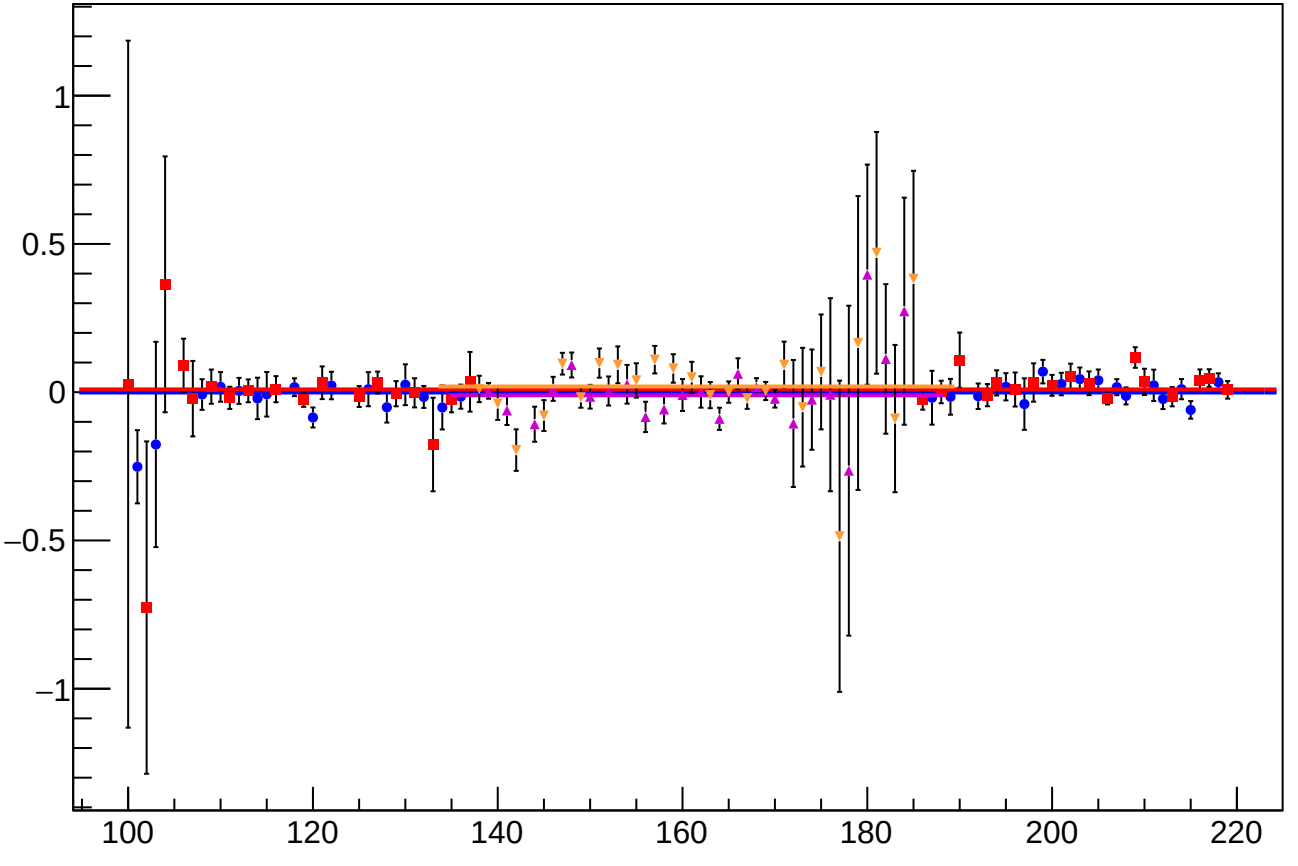
Right: 0.002+/-0.000 χ^2/NDF: 41008050.1/66

In: 0.002+/-0.000 χ^2/NDF:30549702.7/54

Out: 0.002+/-0.000 χ^2/NDF:33238715.2/58

All: 0.002+/-0.000 χ^2/NDF: 63952587.1/113

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.007 χ^2/NDF: 26.8/31

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.009+/-0.007 χ^2/NDF: 28.5/34

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

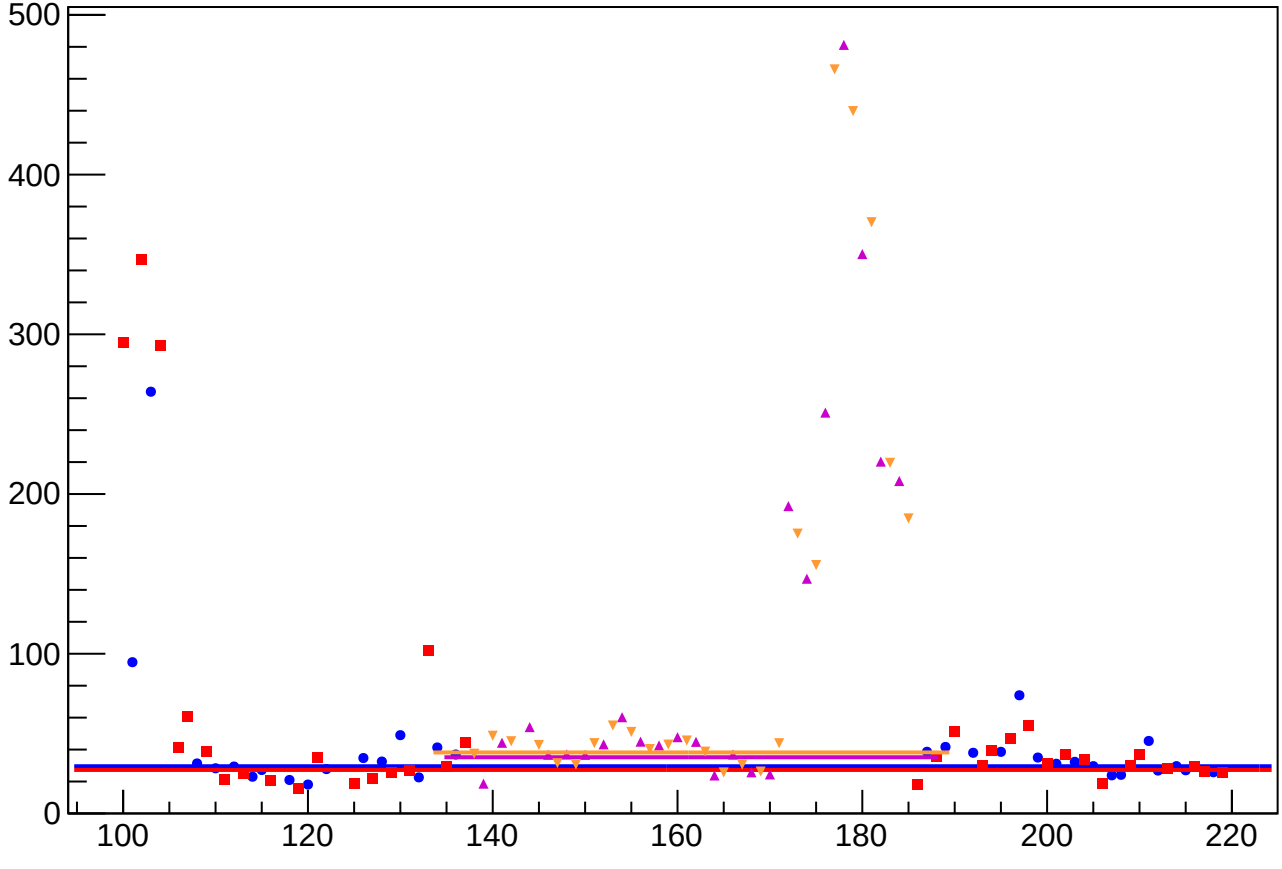
Right: 0.005+/-0.005 χ^2/NDF: 56.3/66

In: -0.004+/-0.006 χ^2/NDF:50.9/54

Out: 0.012+/-0.006 χ^2/NDF:65.0/58

All: 0.004+/-0.004 χ^2/NDF: 119.8/113

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.557+/-0.005 χ^2/NDF: 3486956.6/31

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 27.242+/-0.005 χ^2/NDF: 4837496.5/34

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

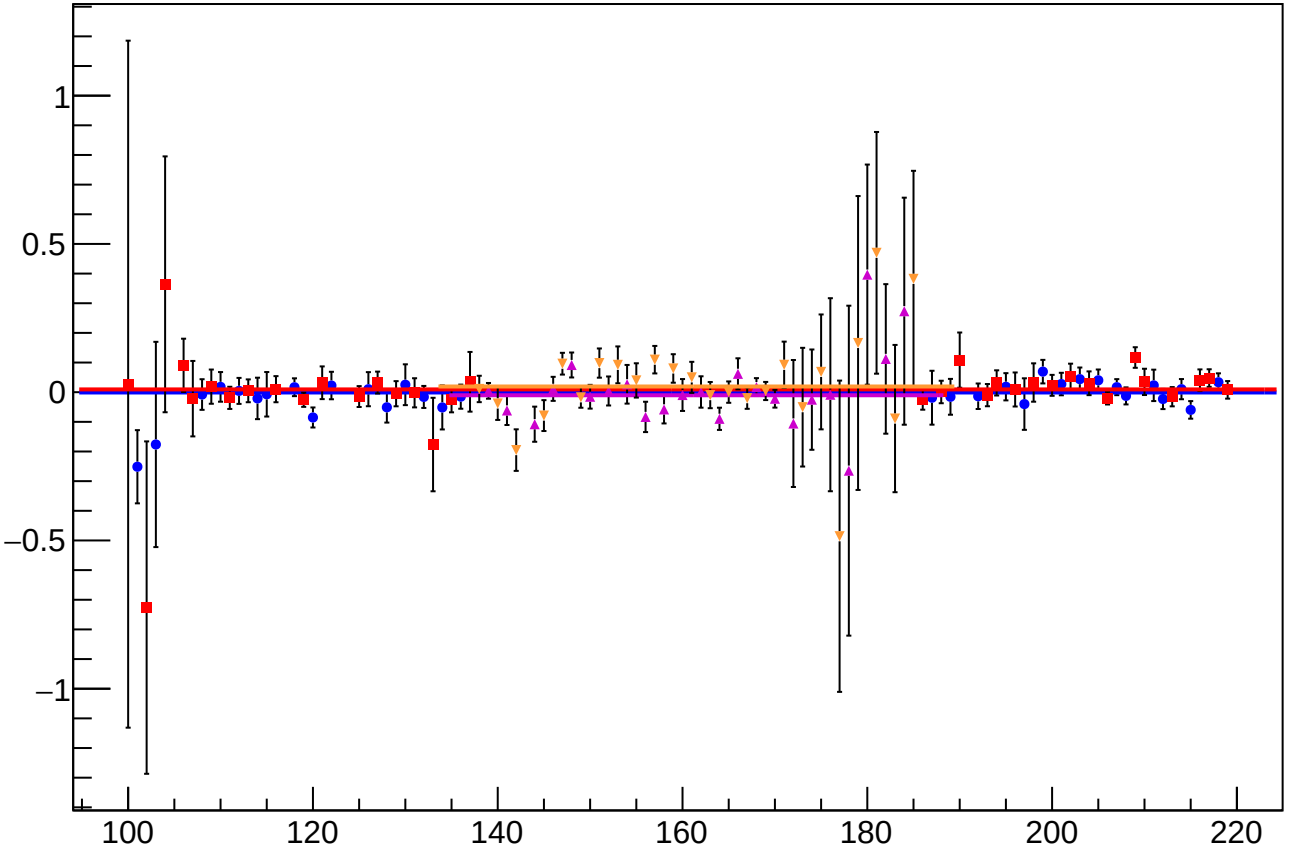
Right: 28.314+/-0.004 χ^2/NDF: 8426964.4/66

In: 31.518+/-0.004 χ^2/NDF:13271881.1/54

Out: 30.456+/-0.004 χ^2/NDF:14579107.5/58

All: 30.969+/-0.003 χ^2/NDF: 27882819.1/113

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.007 χ^2/NDF: 26.8/31

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.009+/-0.007 χ^2/NDF: 28.5/34

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

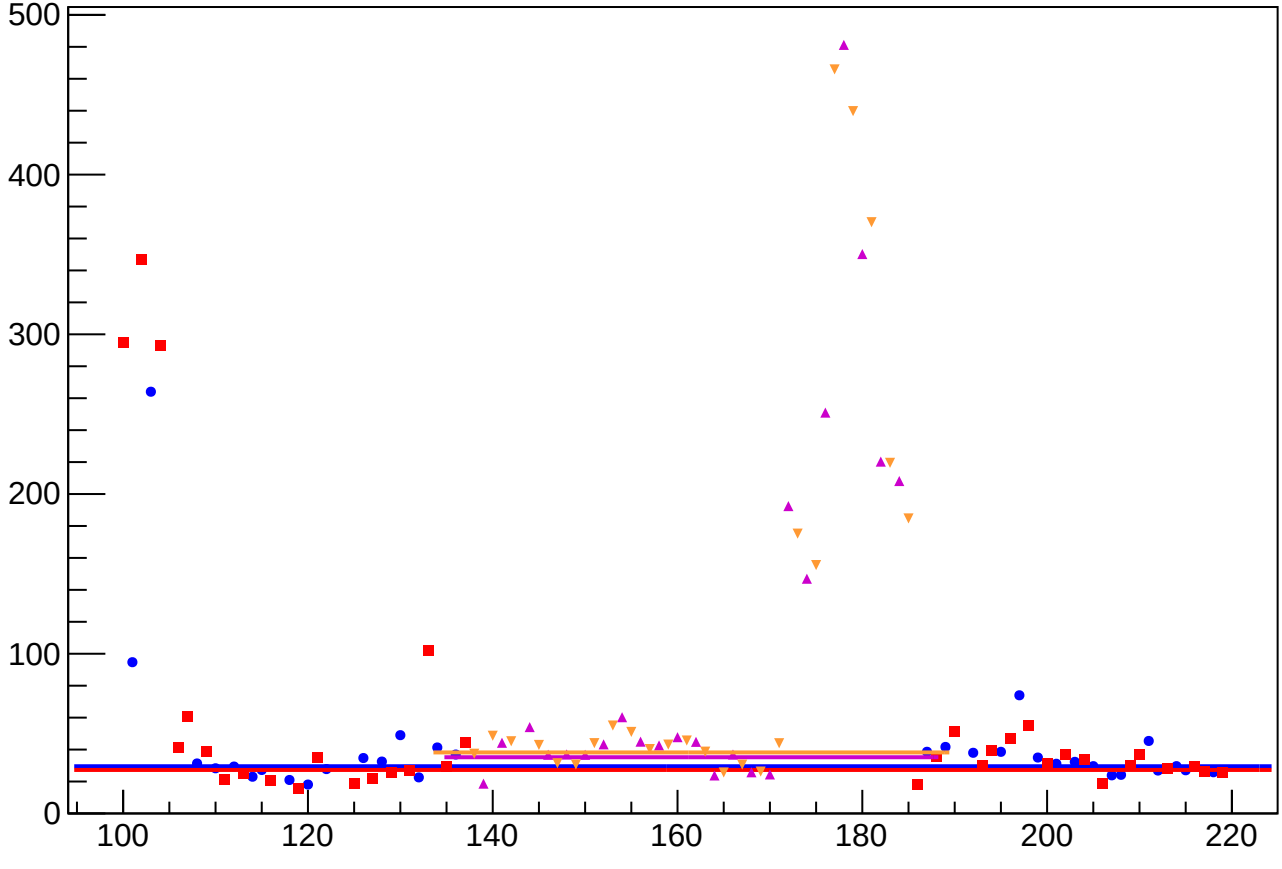
Right: 0.005+/-0.005 χ^2/NDF: 56.3/66

In: -0.004+/-0.006 χ^2/NDF:50.9/54

Out: 0.012+/-0.006 χ^2/NDF:65.0/58

All: 0.004+/-0.004 χ^2/NDF: 119.8/113

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.557+/-0.005 χ^2/NDF: 3486956.6/31

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 27.242+/-0.005 χ^2/NDF: 4837496.5/34

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

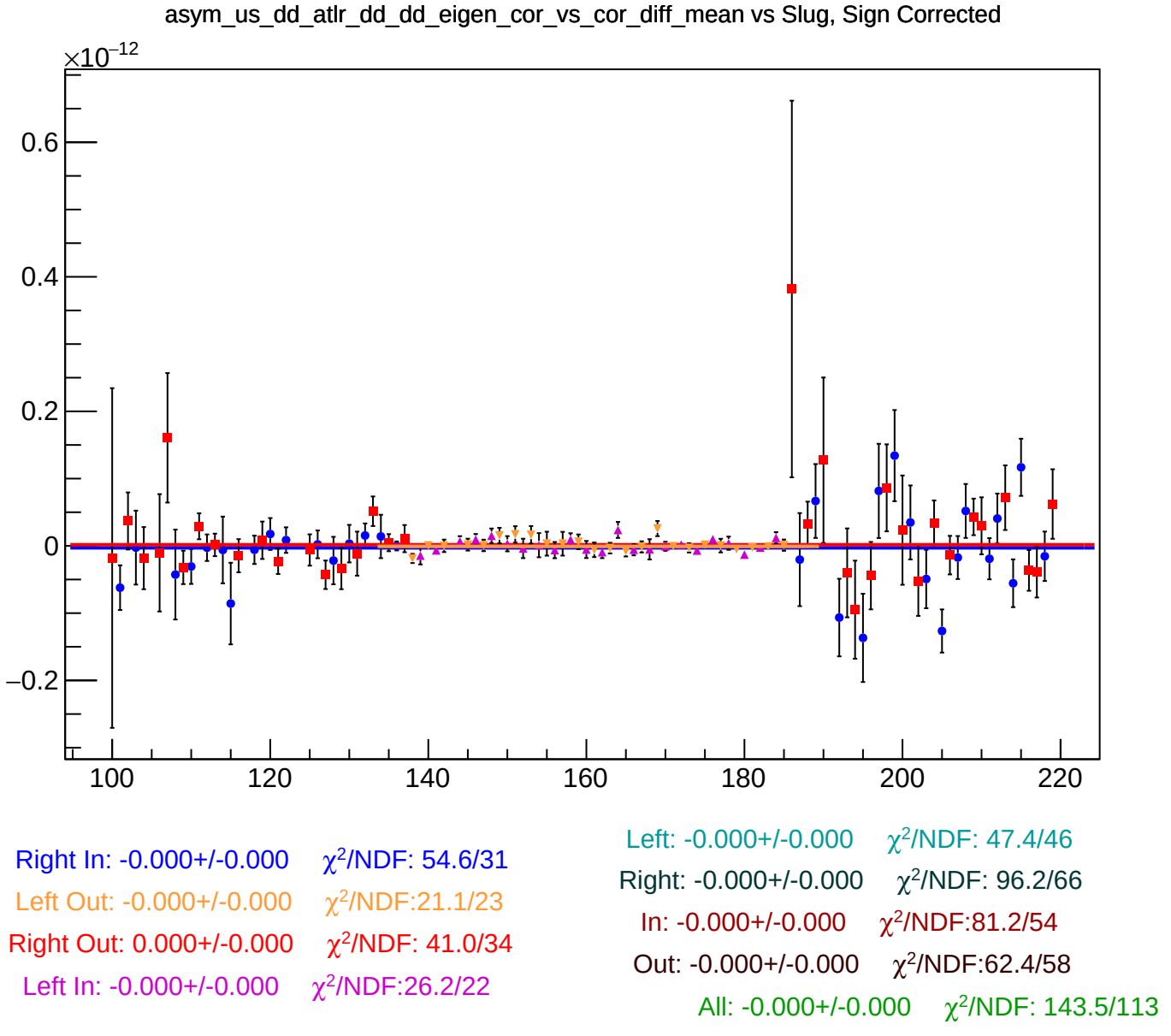
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 28.314+/-0.004 χ^2/NDF: 8426964.4/66

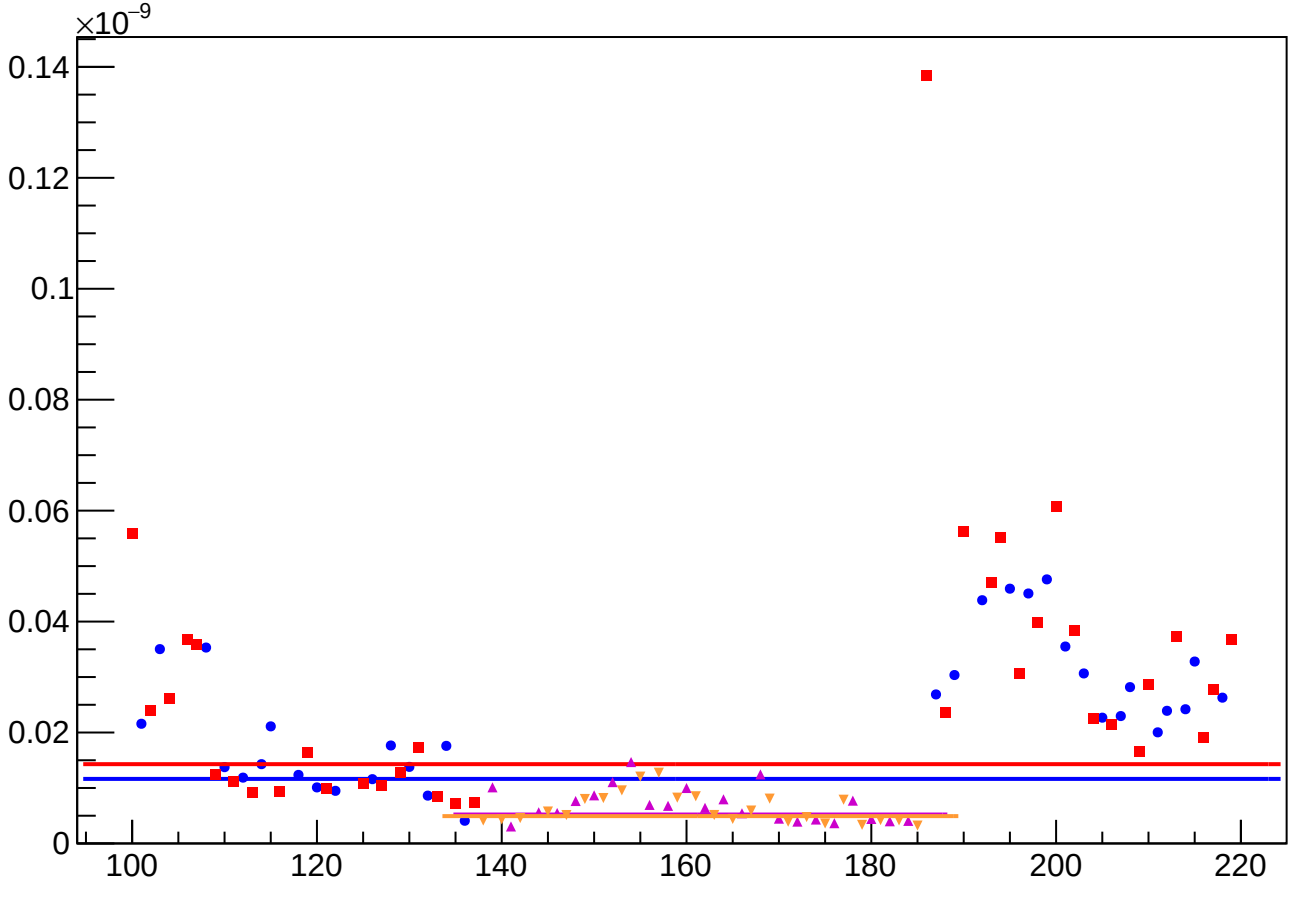
In: 31.518+/-0.004 χ^2/NDF:13271881.1/54

Out: 30.456+/-0.004 χ^2/NDF:14579107.5/58

All: 30.969+/-0.003 χ^2/NDF: 27882819.1/113


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 54.6/31
Left Out: -0.000+/-0.000 χ²/NDF:21.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 41.0/34
Left In: -0.000+/-0.000 χ²/NDF:26.2/22
Left: -0.000+/-0.000 χ²/NDF: 47.4/46
Right: -0.000+/-0.000 χ²/NDF: 96.2/66
In: -0.000+/-0.000 χ²/NDF:81.2/54
Out: -0.000+/-0.000 χ²/NDF:62.4/58
All: -0.000+/-0.000 χ²/NDF: 143.5/113

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: 9173634.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7239966.1/34

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

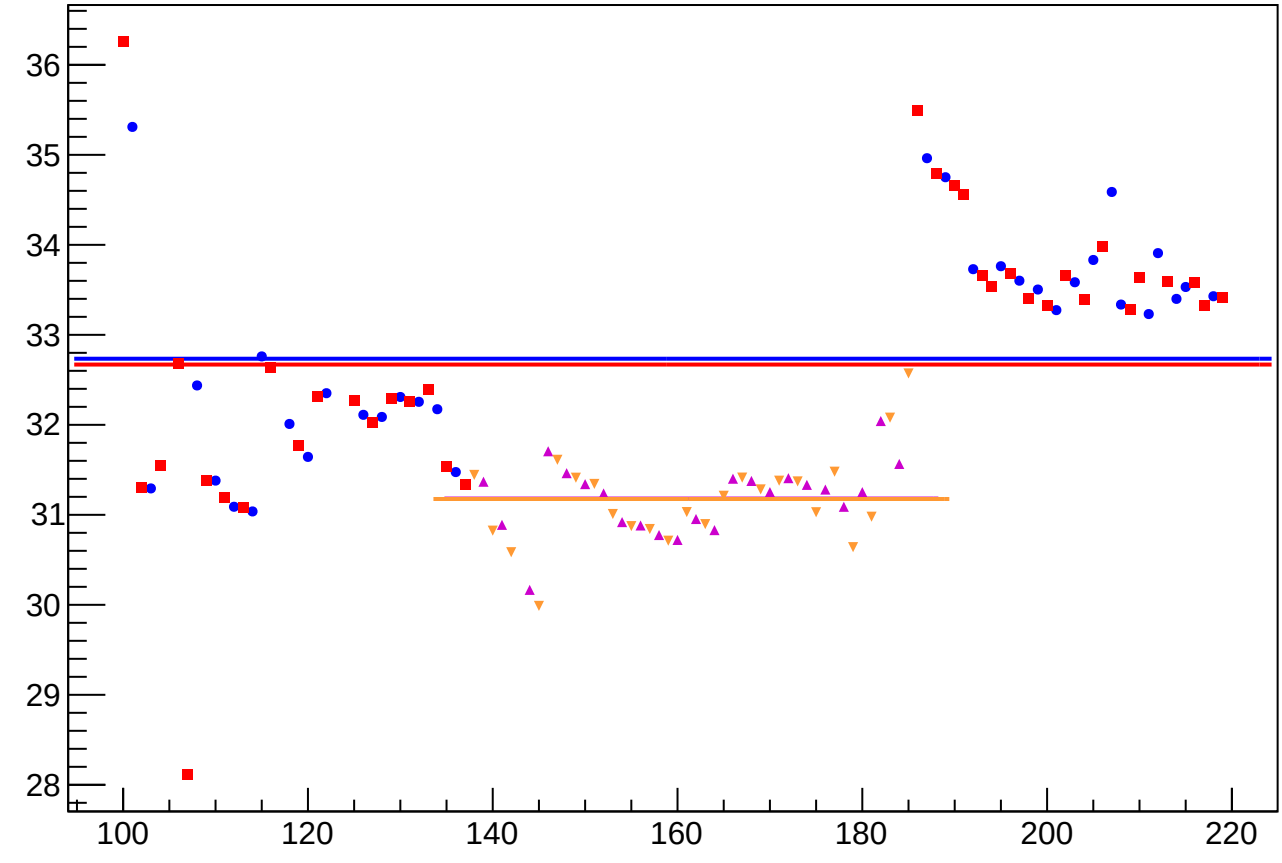
Right: 0.000+/-0.000 χ^2/NDF: 16738779.1/66

In: 0.000+/-0.000 χ^2/NDF:16420161.9/54

Out: 0.000+/-0.000 χ^2/NDF:16388140.2/58

All: 0.000+/-0.000 χ^2/NDF: 32830553.4/113

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.735+/-0.000 χ^2/NDF: 2563165947.4/31

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.670+/-0.000 χ^2/NDF: 2453165387.8/35

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

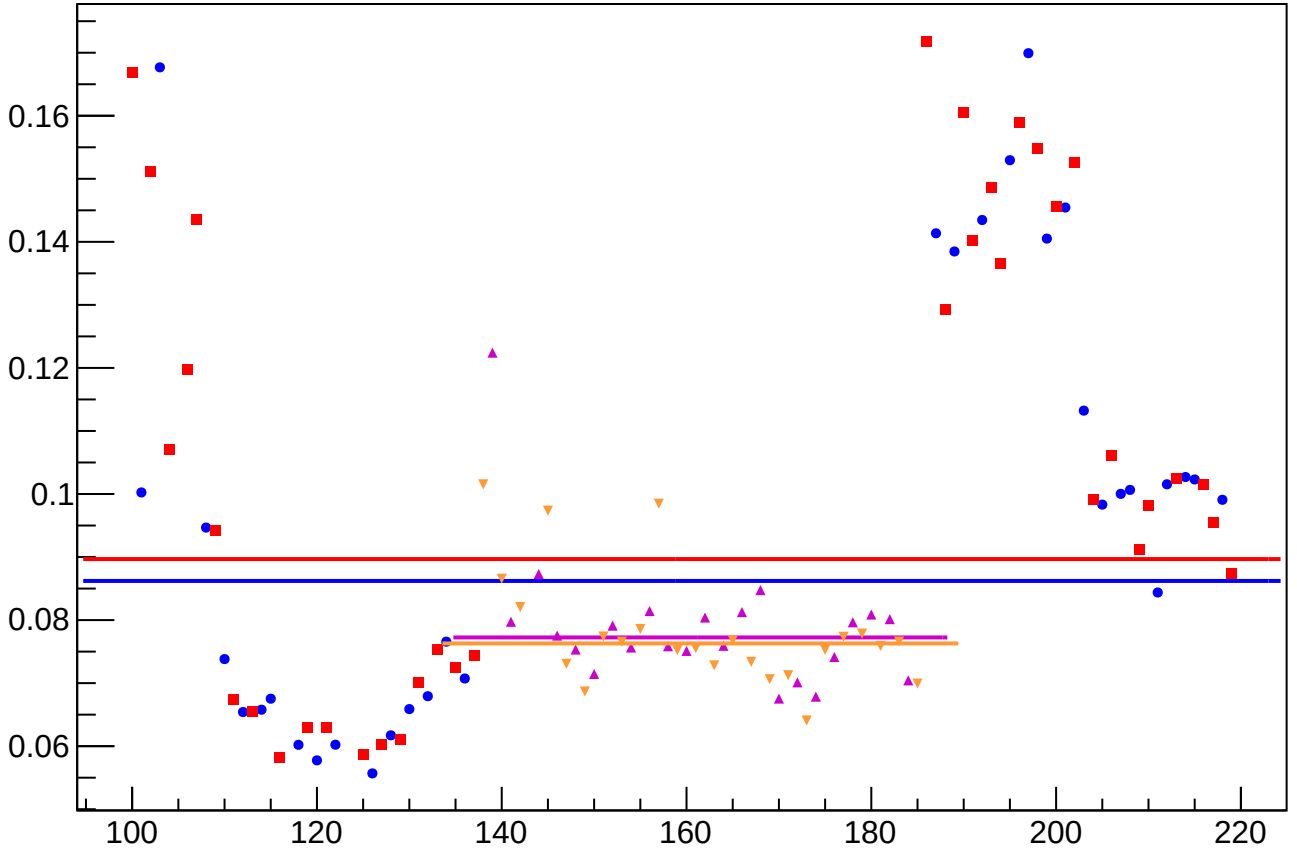
Right: 32.703+/-0.000 χ^2/NDF: 5021151317.6/67

In: 31.889+/-0.000 χ^2/NDF:5990111818.5/54

Out: 31.834+/-0.000 χ^2/NDF:5813738111.6/59

All: 31.862+/-0.000 χ^2/NDF: 11811690294.9

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 3625857.7/31

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.090+/-0.000 χ^2/NDF: 4016731.2/35

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

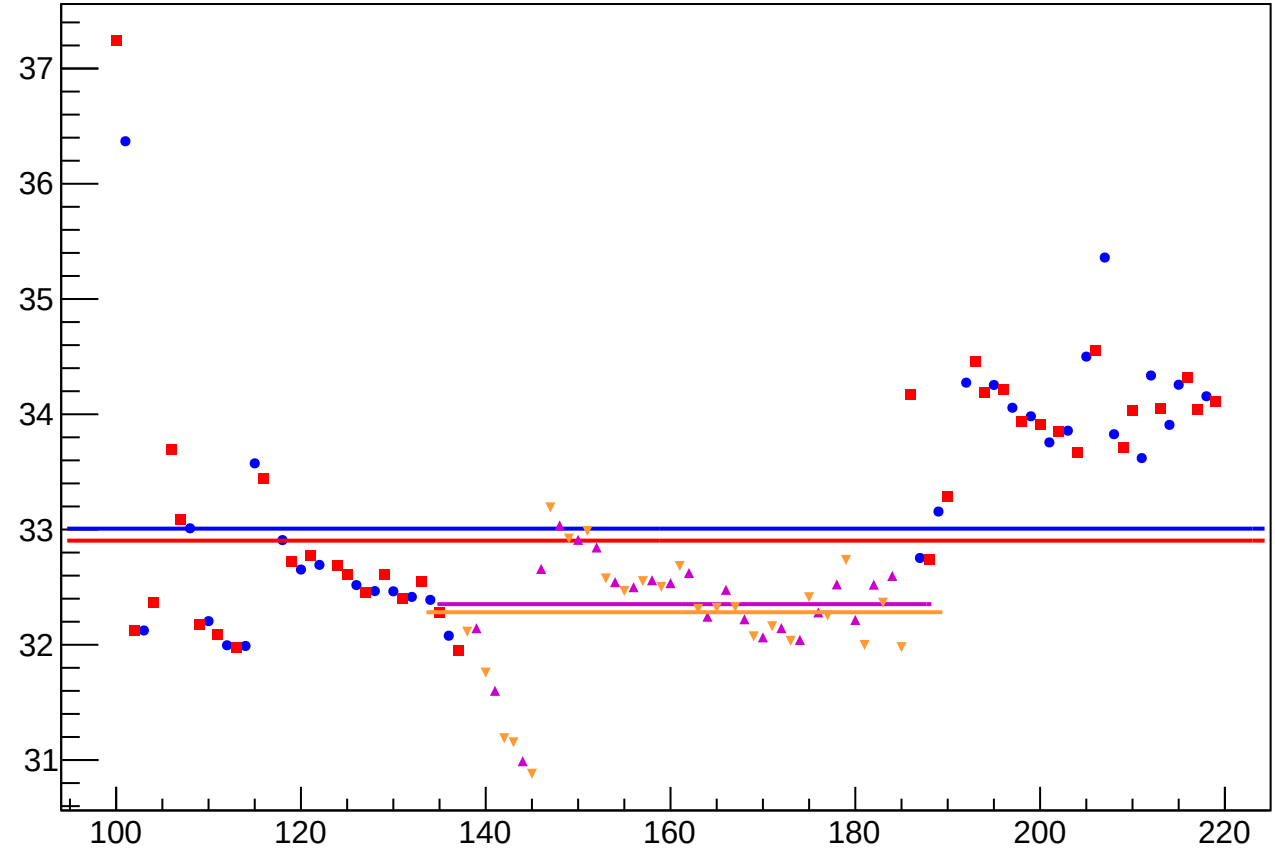
Right: 0.088+/-0.000 χ^2/NDF: 7670215.3/67

In: 0.081+/-0.000 χ^2/NDF:4194124.1/54

Out: 0.082+/-0.000 χ^2/NDF:4827849.4/59

All: 0.082+/-0.000 χ^2/NDF: 9025745.1/114

yield_usr_mean vs Slug, Sign Corrected



Right In: 33.008+/-0.000 χ^2/NDF: 1289002500.8/31

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.904+/-0.000 χ^2/NDF: 736832173.5/35

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

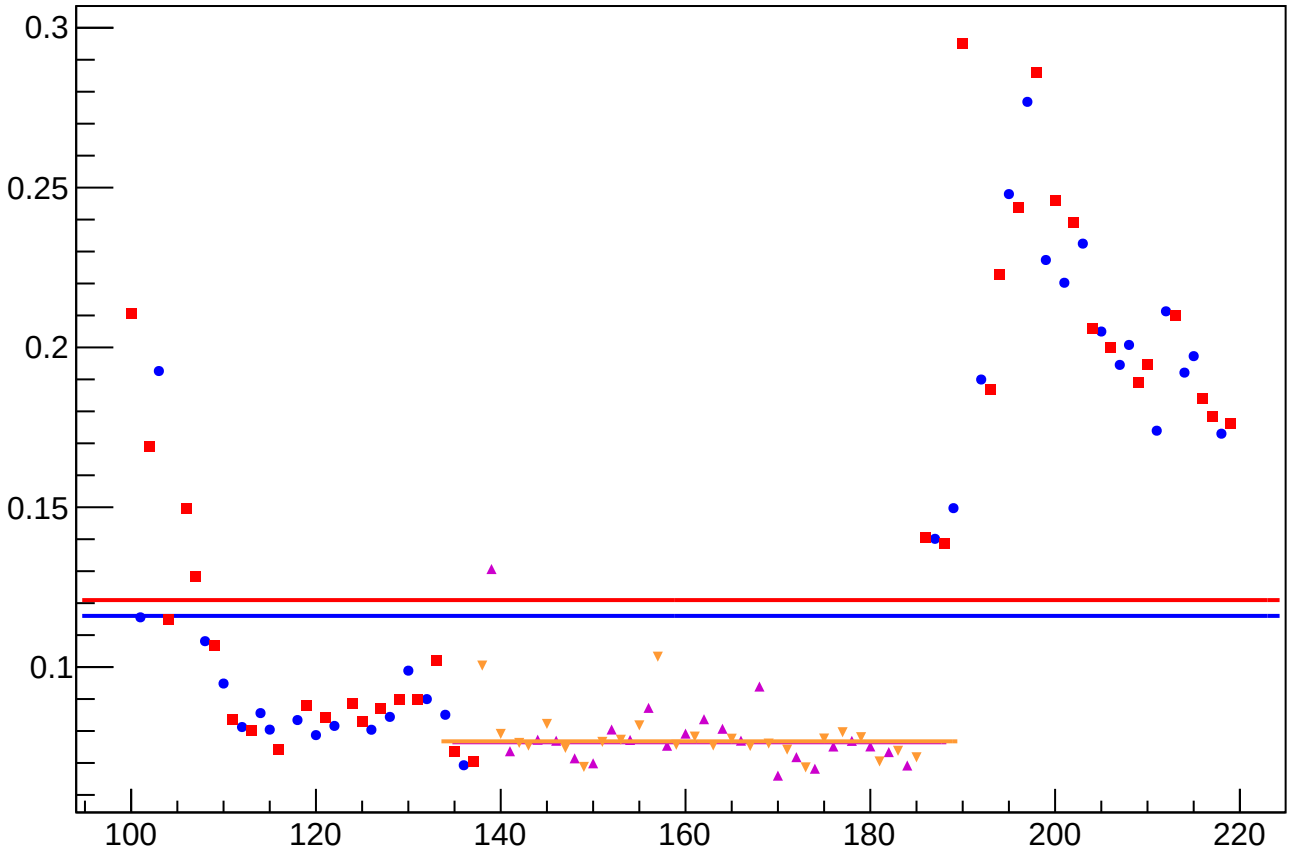
Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

Right: 32.956+/-0.000 χ^2/NDF: 2032016113.7/67

In: 32.540+/-0.000 χ^2/NDF:2231847903.8/54

Out: 32.453+/-0.000 χ^2/NDF:1893538785.6/60

All: 32.496+/-0.000 χ^2/NDF: 4140767989.9/1



Right In: 0.116+/-0.000 χ^2/NDF: 6735879.2/31

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.121+/-0.000 χ^2/NDF: 6583308.5/35

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

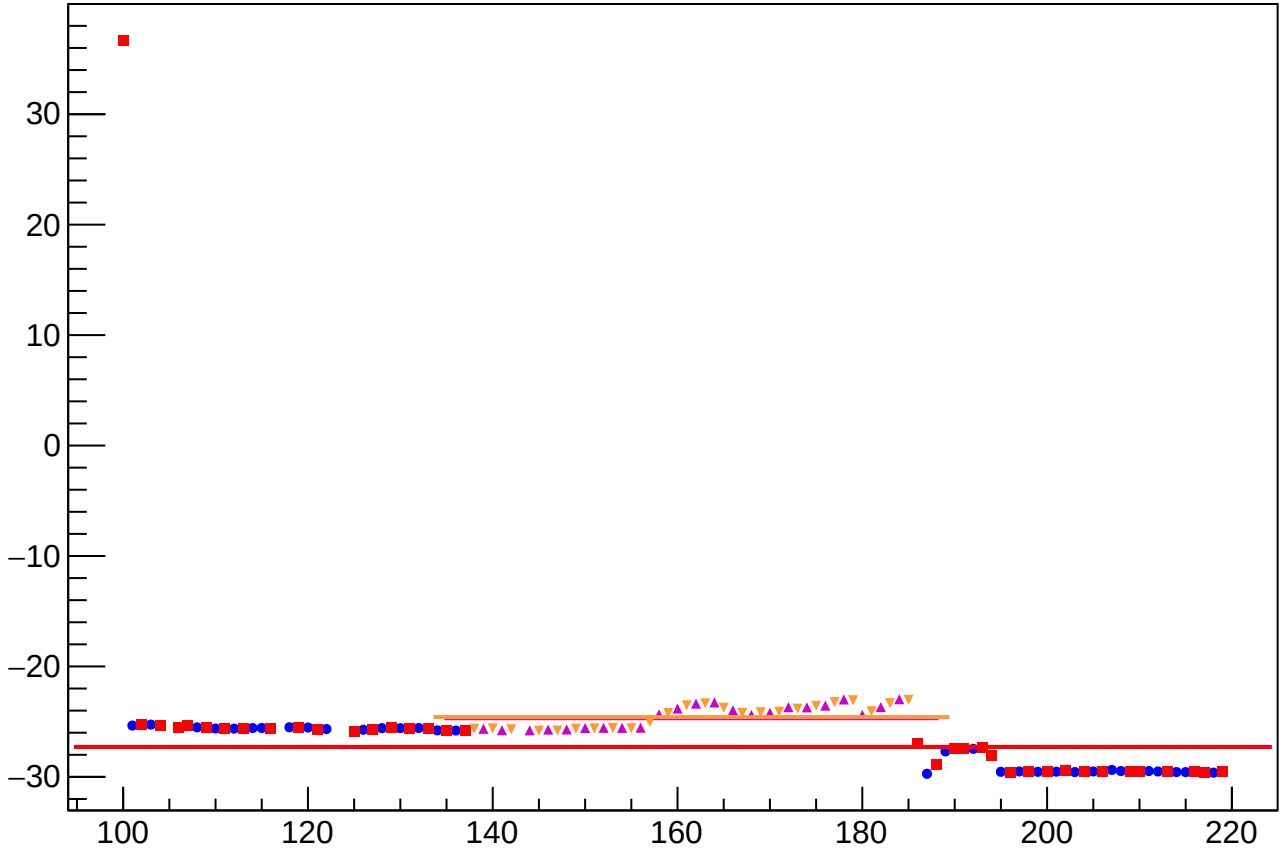
Right: 0.118+/-0.000 χ^2/NDF: 13347123.3/67

In: 0.088+/-0.000 χ^2/NDF:9789940.3/54

Out: 0.089+/-0.000 χ^2/NDF:10048599.3/60

All: 0.088+/-0.000 χ^2/NDF: 19843735.8/115

yield_dsl_mean vs Slug, Sign Corrected



Right In: -27.289+/-0.000 χ^2/NDF: 27552873344.3/31

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -27.291+/-0.000 χ^2/NDF: 36885523680.3/35

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

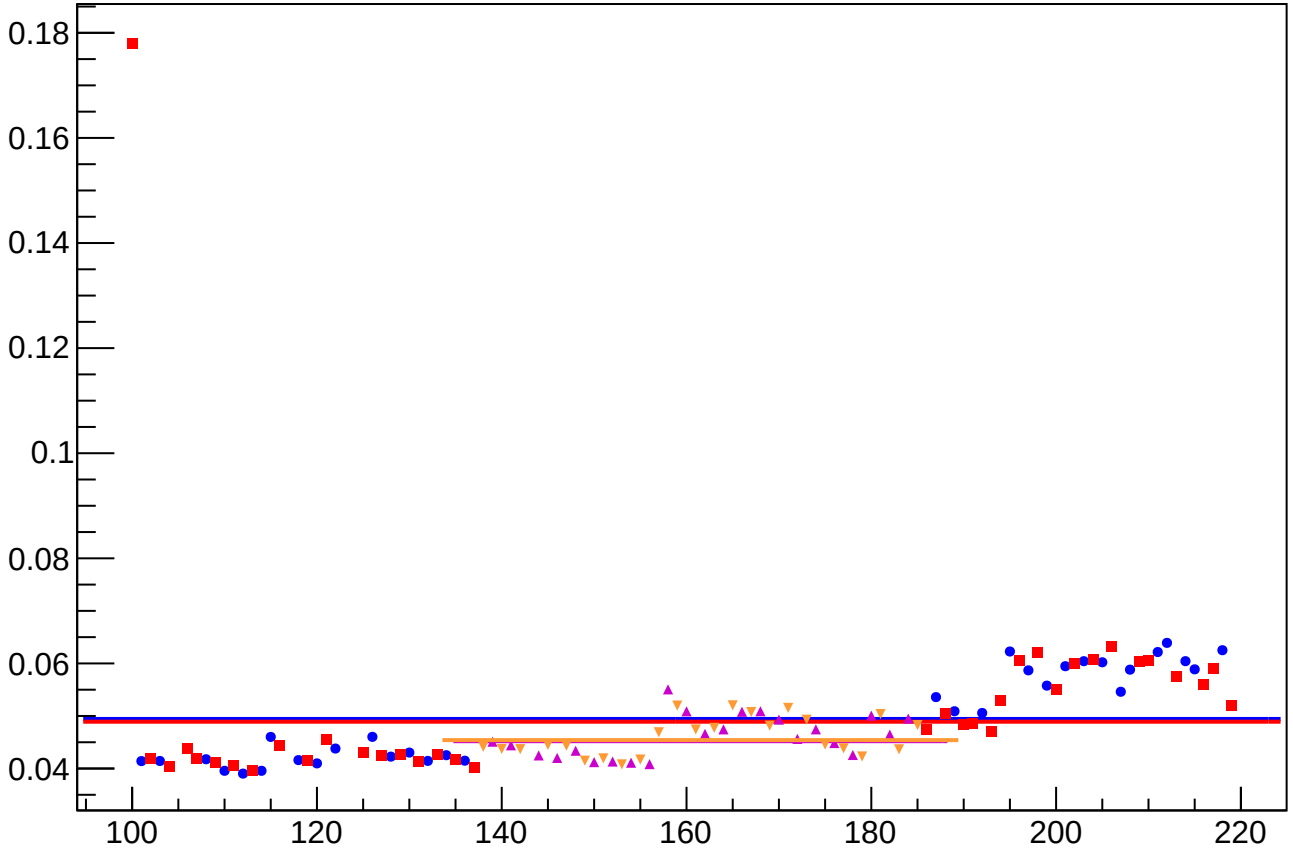
Right: -27.290+/-0.000 χ^2/NDF: 64438425500.9/67

In: -25.914+/-0.000 χ^2/NDF:64122361200.4/54

Out: -25.916+/-0.000 χ^2/NDF:77441455722.6/59

All: -25.915+/-0.000 χ^2/NDF: 141563874604

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.049+/-0.000 χ^2/NDF: 1172030.5/31

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.049+/-0.000 χ^2/NDF: 1120946.8/35

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

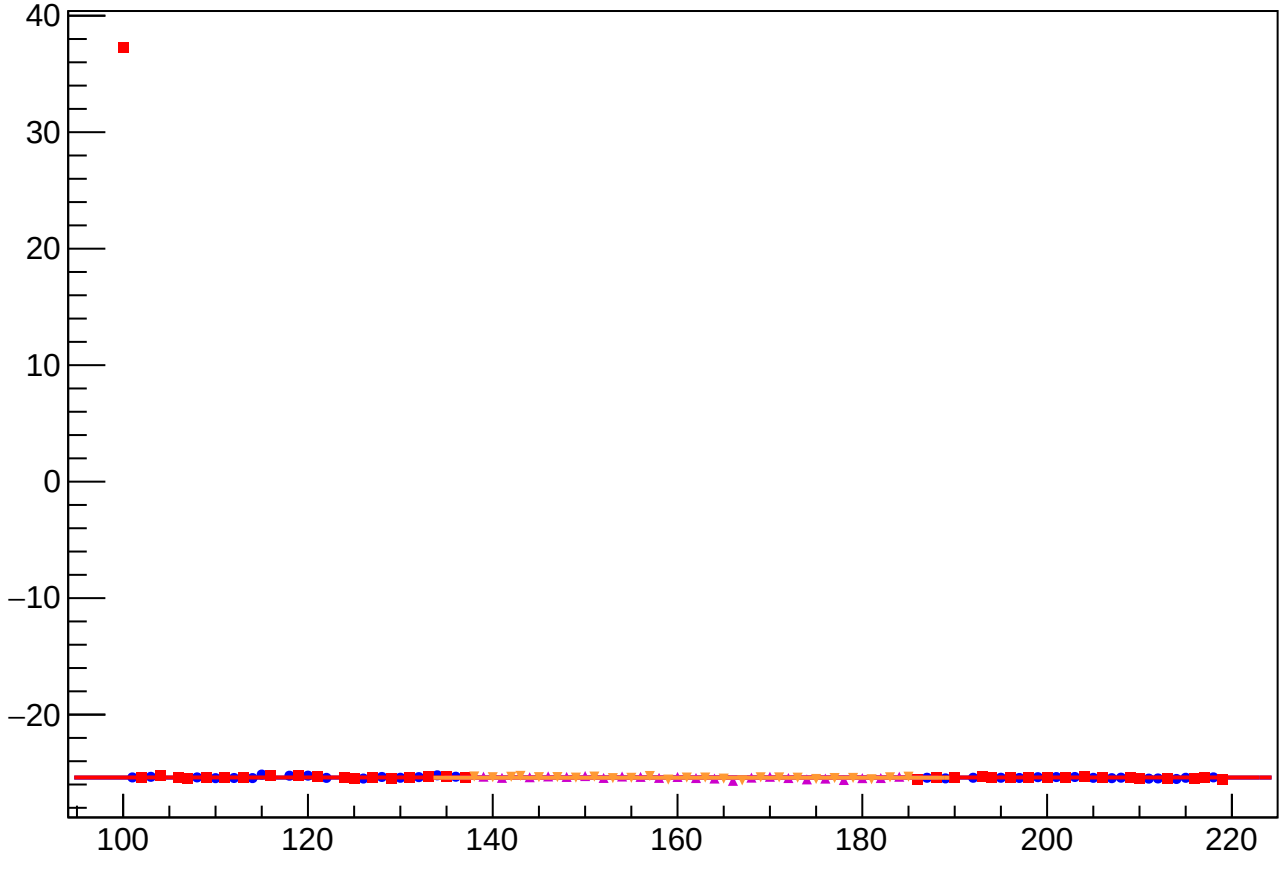
Right: 0.049+/-0.000 χ^2/NDF: 2295203.7/67

In: 0.047+/-0.000 χ^2/NDF:1563592.6/54

Out: 0.047+/-0.000 χ^2/NDF:1431857.4/59

All: 0.047+/-0.000 χ^2/NDF: 2995531.6/114

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.408+/-0.000 χ^2/NDF: 32001946.2/31

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.394+/-0.000 χ^2/NDF: 6354639213.3/35

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

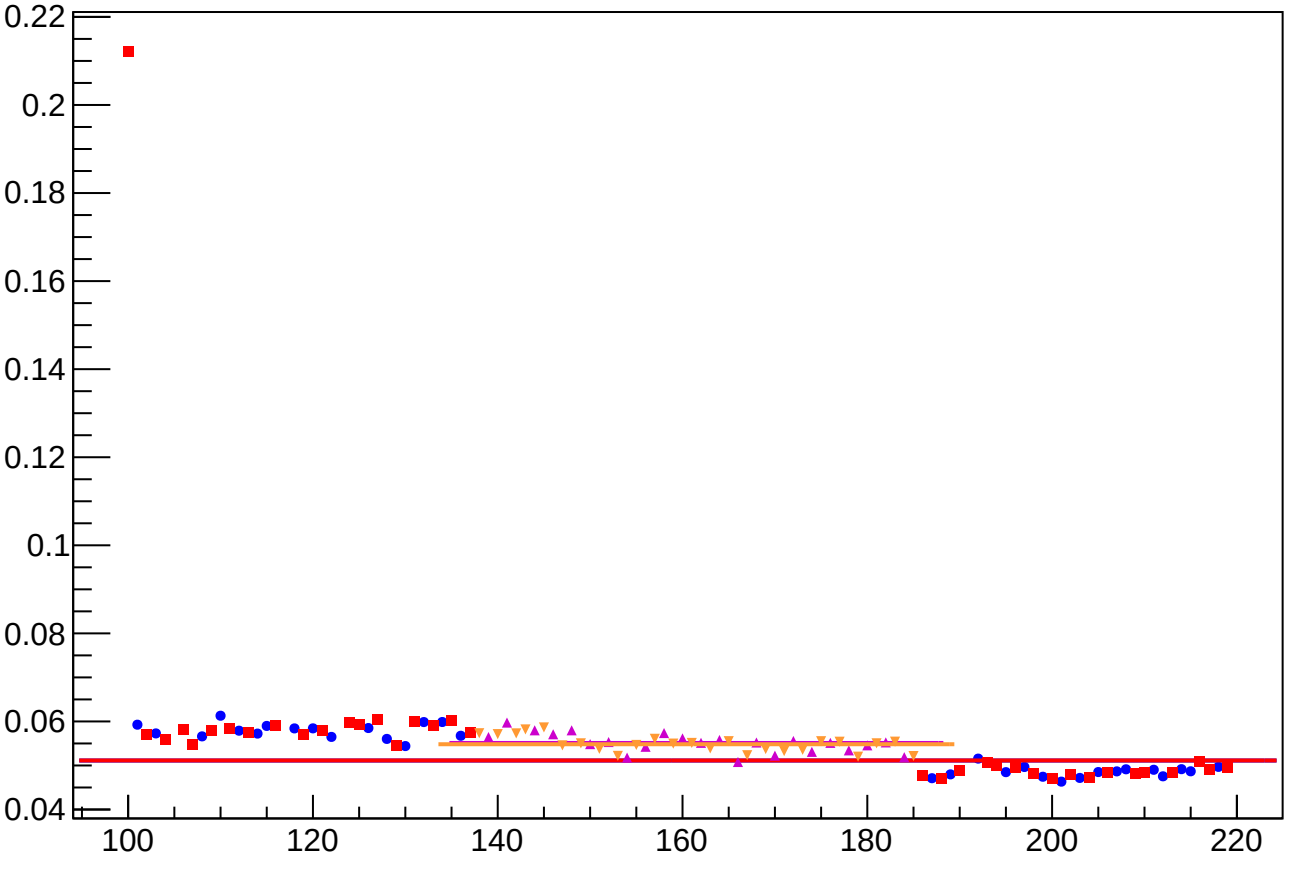
Right: -25.401+/-0.000 χ^2/NDF: 6387331780.4/67

In: -25.411+/-0.000 χ^2/NDF:87988433.7/54

Out: -25.404+/-0.000 χ^2/NDF:6408593820.1/60

All: -25.407+/-0.000 χ^2/NDF: 6496857789.2/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.051+/-0.000 χ^2/NDF: 280150.5/31

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.051+/-0.000 χ^2/NDF: 381234.7/35

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

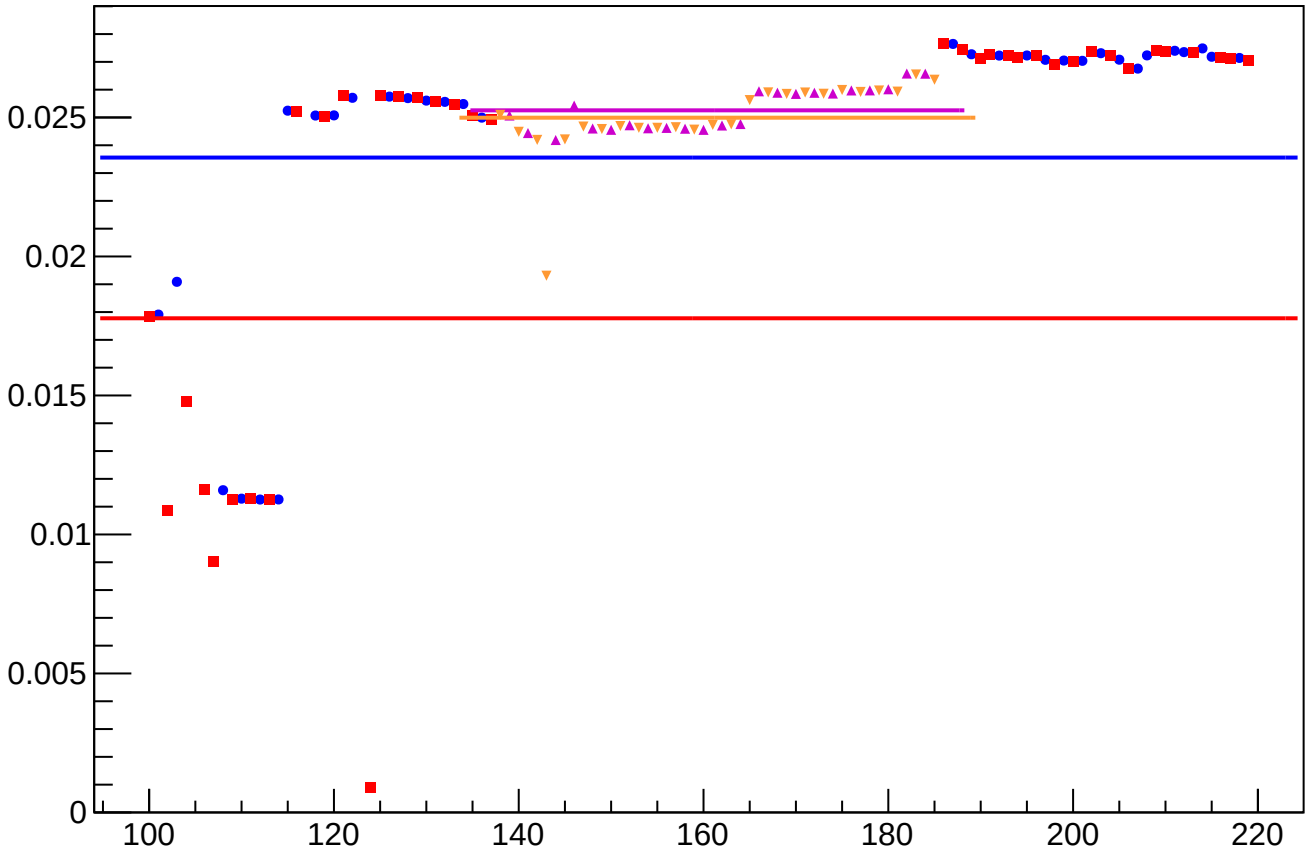
Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

Right: 0.051+/-0.000 χ^2/NDF: 661388.0/67

In: 0.053+/-0.000 χ^2/NDF:435970.0/54

Out: 0.053+/-0.000 χ^2/NDF:513459.9/60

All: 0.053+/-0.000 χ^2/NDF: 949574.9/115



Right In: 0.024+/-0.000 χ^2/NDF: 103568466871.5/31

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.018+/-0.000 χ^2/NDF: 505889219224.1/36

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

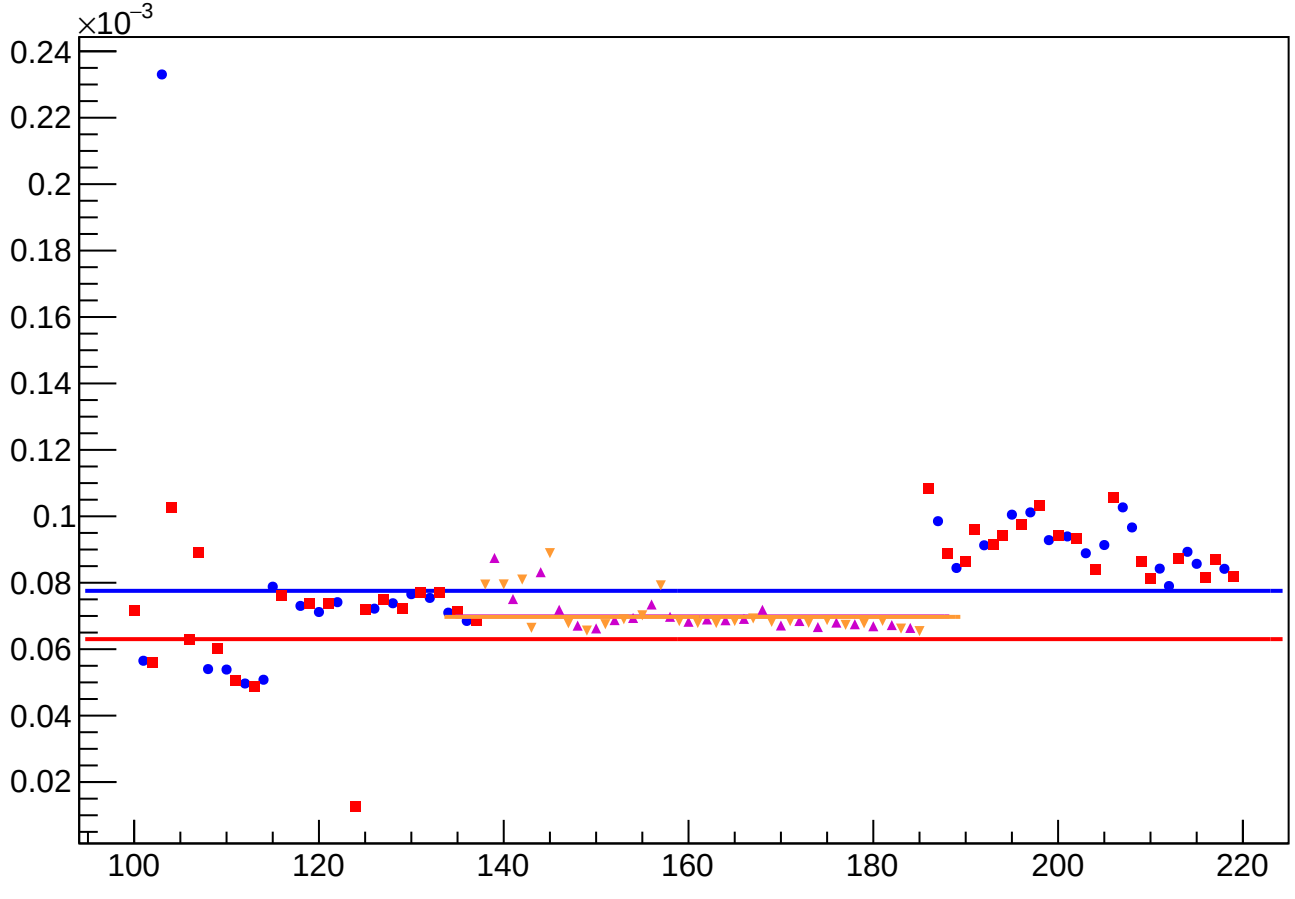
Right: 0.020+/-0.000 χ^2/NDF: 669219914174.9/68

In: 0.024+/-0.000 χ^2/NDF:110315151593.9/54

Out: 0.021+/-0.000 χ^2/NDF:619149403711.6/61

All: 0.023+/-0.000 χ^2/NDF: 768205212107.0

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1959998.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8073829.4/36

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

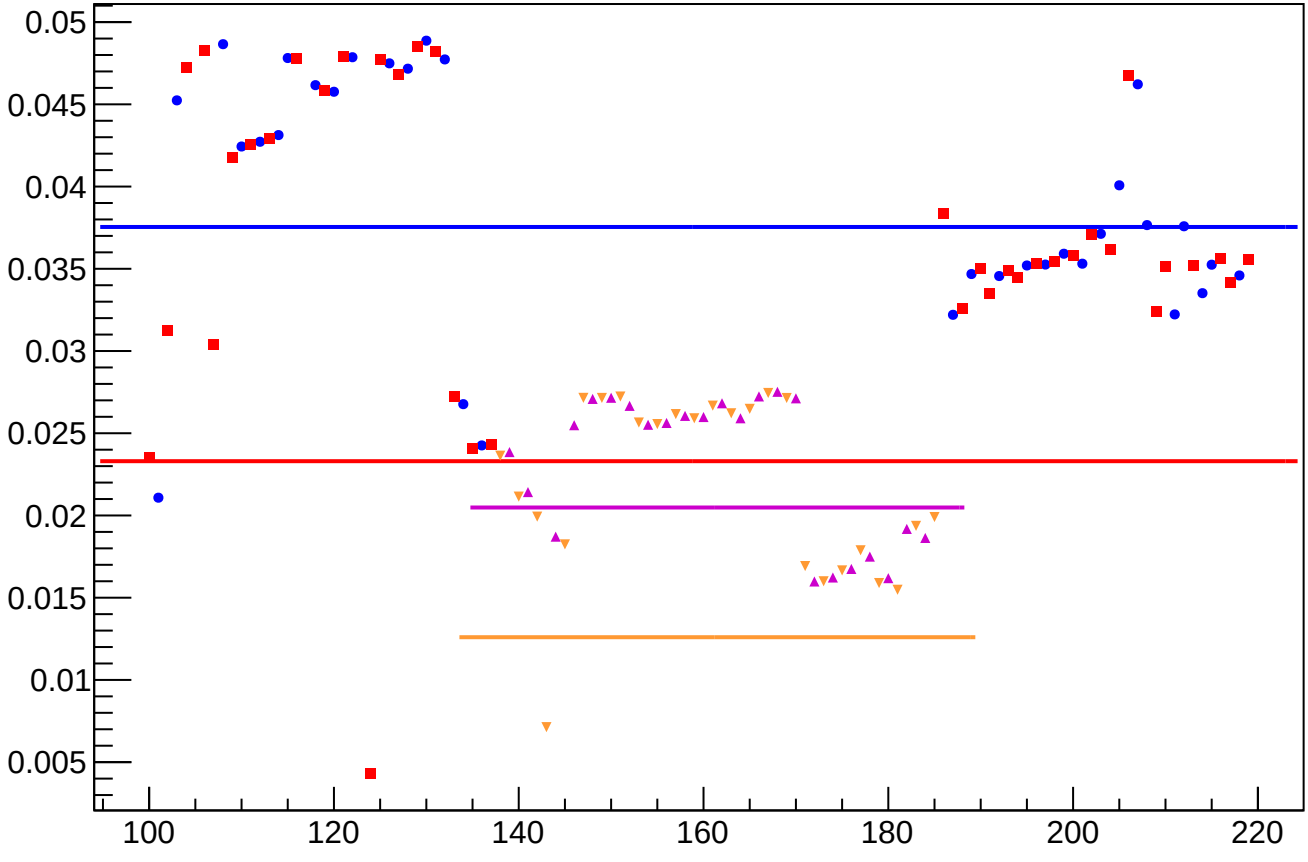
Right: 0.000+/-0.000 χ^2/NDF: 10789769.2/68

In: 0.000+/-0.000 χ^2/NDF:2311999.6/54

Out: 0.000+/-0.000 χ^2/NDF:8443848.0/61

All: 0.000+/-0.000 χ^2/NDF: 11133183.5/116

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7474180379.0/31

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.023+/-0.000 χ^2/NDF: 48519699121.8/36

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

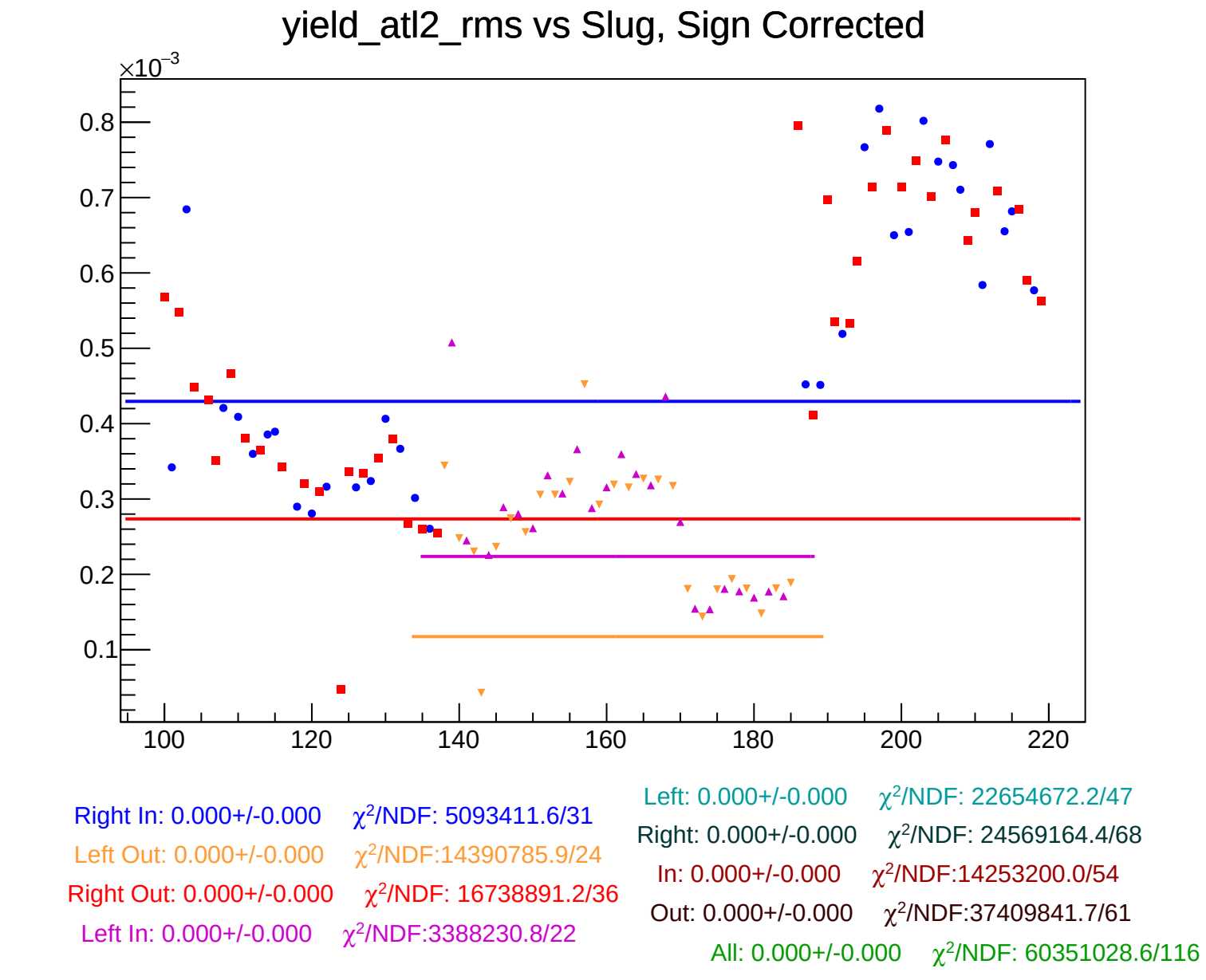
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.028+/-0.000 χ^2/NDF: 67394606000.1/68

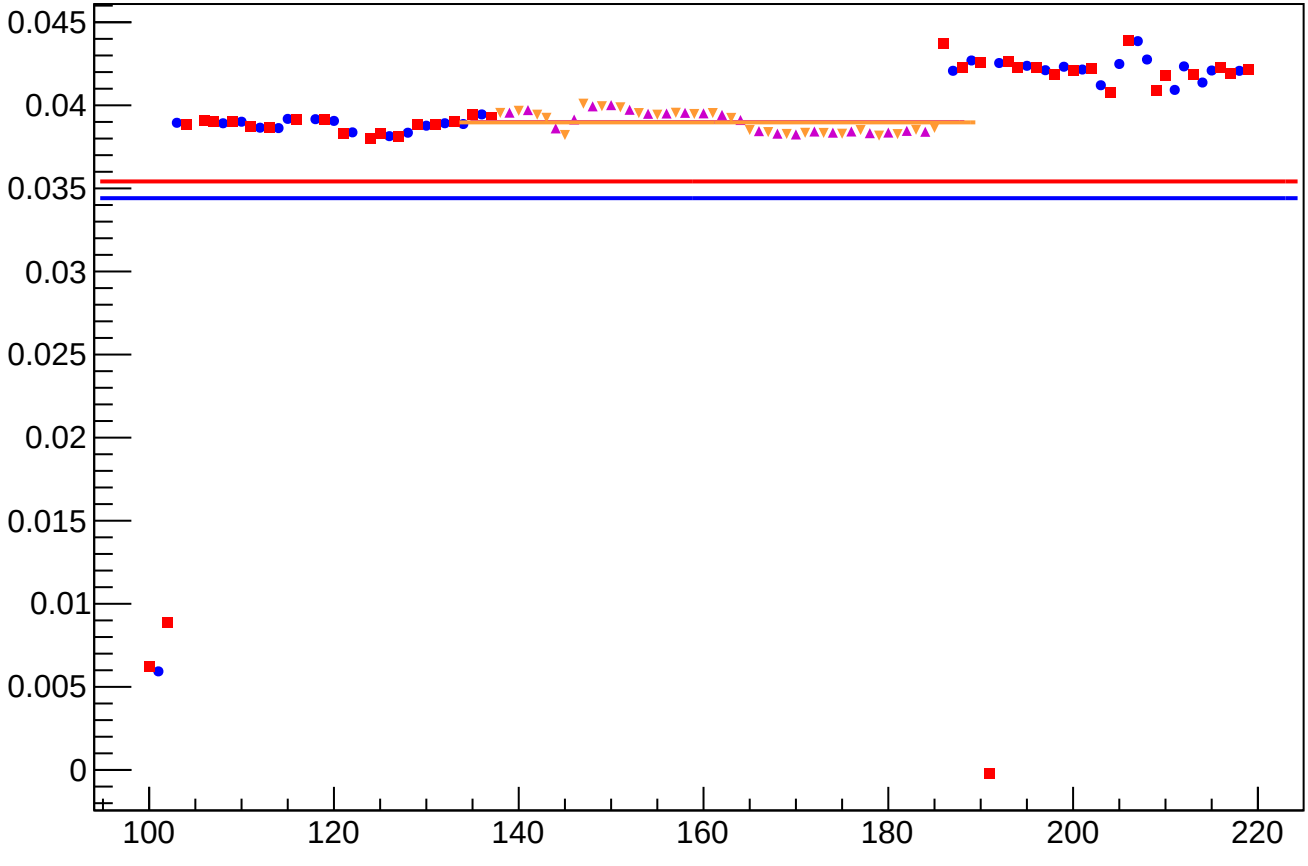
In: 0.024+/-0.000 χ^2/NDF:33408610673.6/54

Out: 0.014+/-0.000 χ^2/NDF:100616732246.8/61

All: 0.017+/-0.000 χ^2/NDF: 160820795083.9


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 5093411.6/31
Left Out: 0.000+/-0.000 χ²/NDF:14390785.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 16738891.2/36
Left In: 0.000+/-0.000 χ²/NDF:3388230.8/22
Left: 0.000+/-0.000 χ²/NDF: 22654672.2/47
Right: 0.000+/-0.000 χ²/NDF: 24569164.4/68
In: 0.000+/-0.000 χ²/NDF:14253200.0/54
Out: 0.000+/-0.000 χ²/NDF:37409841.7/61
All: 0.000+/-0.000 χ²/NDF: 60351028.6/116

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 136237692086.5/31

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.035+/-0.000 χ^2/NDF: 124871488387.1/36

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

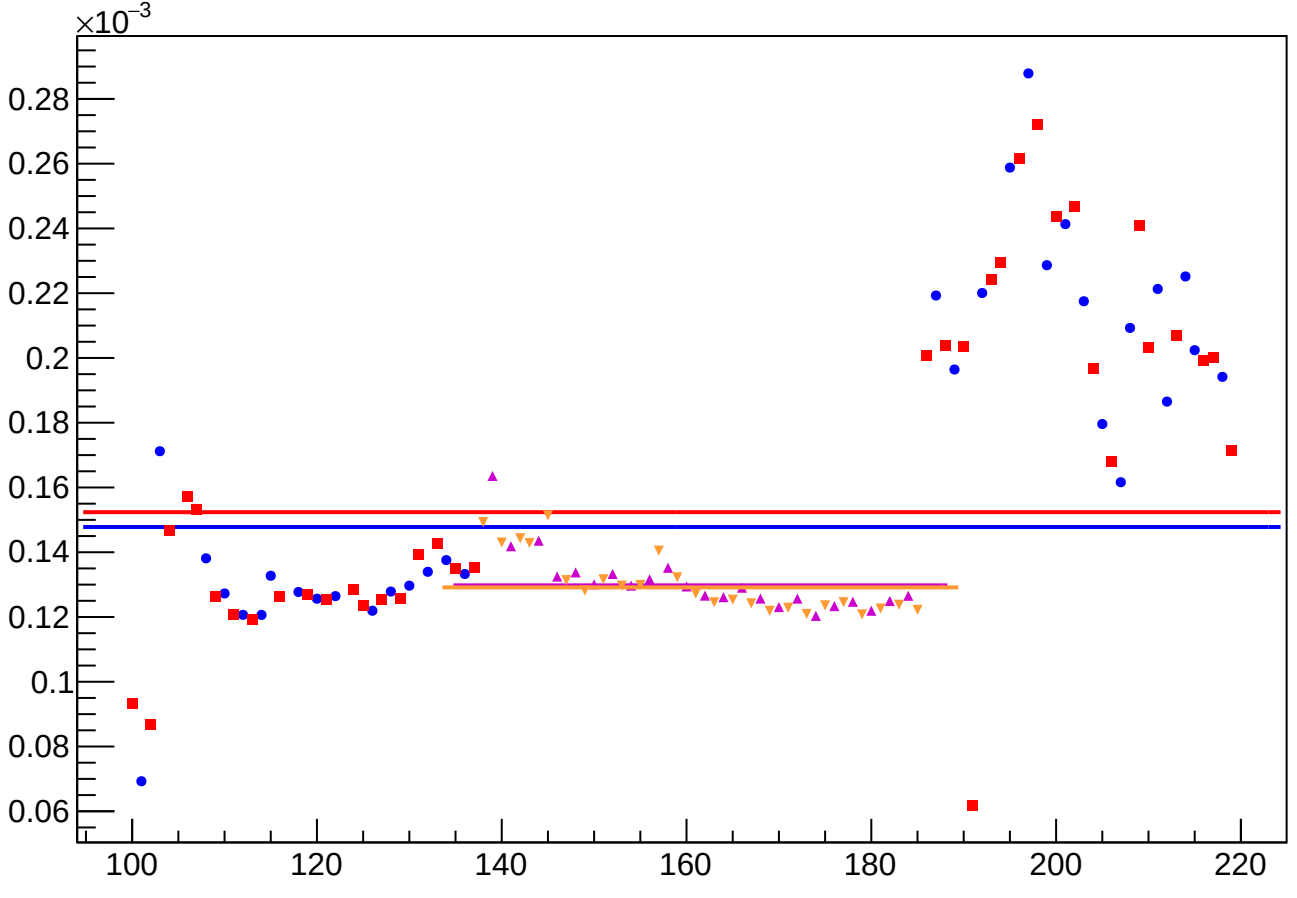
Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

Right: 0.035+/-0.000 χ^2/NDF: 261512284700.4/68

In: 0.037+/-0.000 χ^2/NDF:146176708342.1/54

Out: 0.038+/-0.000 χ^2/NDF:131256449331.5/61

All: 0.037+/-0.000 χ^2/NDF: 277639284661.1



Right In: 0.000+/-0.000 χ^2/NDF: 4463532.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4139734.6/36

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

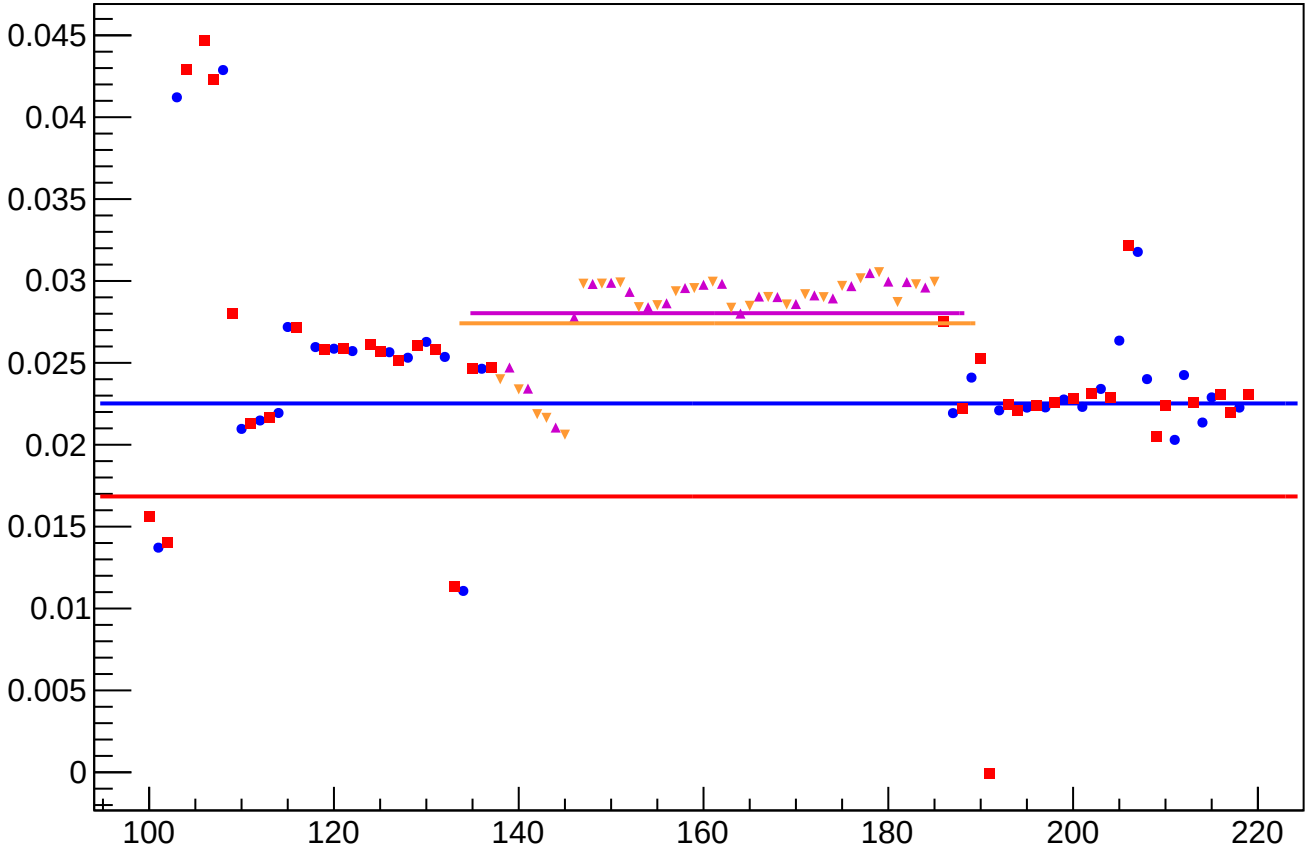
Right: 0.000+/-0.000 χ^2/NDF: 8619970.5/68

In: 0.000+/-0.000 χ^2/NDF:4899562.7/54

Out: 0.000+/-0.000 χ^2/NDF:4801688.2/61

All: 0.000+/-0.000 χ^2/NDF: 9704328.7/116

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 5211205536.7/31

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.017+/-0.000 χ^2/NDF: 26075089380.5/36

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

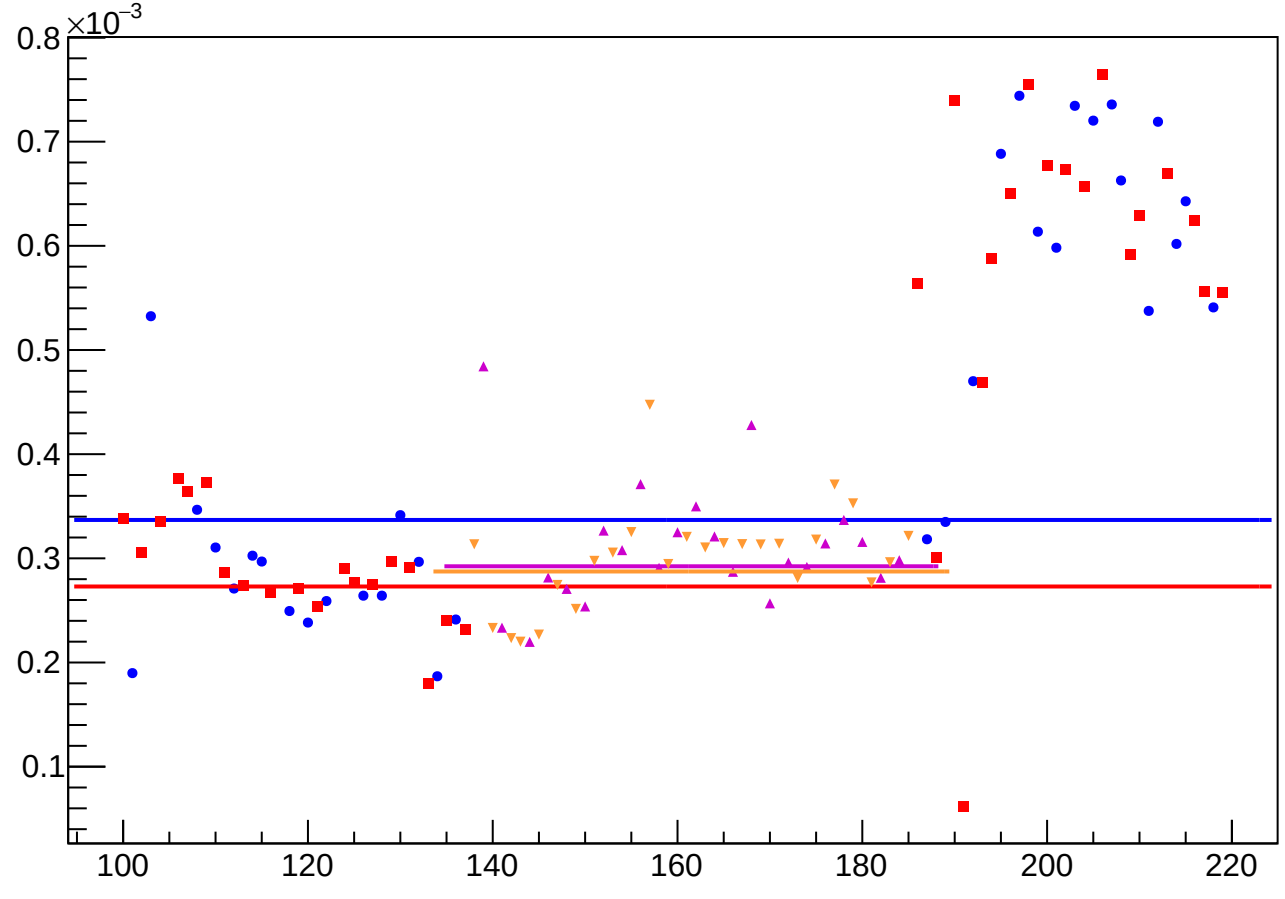
Right: 0.019+/-0.000 χ^2/NDF: 33761540549.0/68

In: 0.026+/-0.000 χ^2/NDF:9095375686.6/54

Out: 0.022+/-0.000 χ^2/NDF:39113728850.1/61

All: 0.024+/-0.000 χ^2/NDF: 50125210098.7/1

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7232739.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12808961.3/36

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

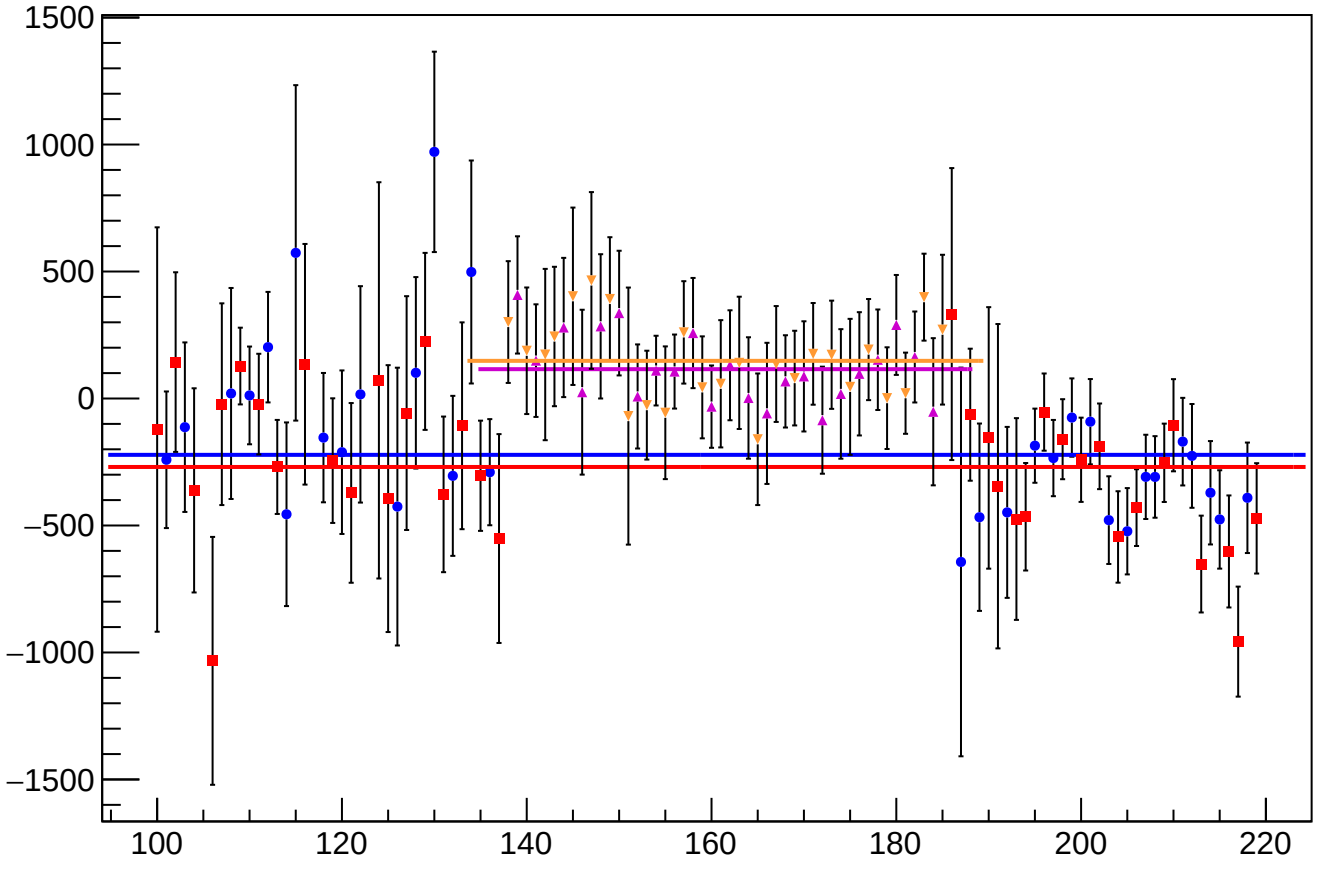
Right: 0.000+/-0.000 χ^2/NDF: 20667886.0/68

In: 0.000+/-0.000 χ^2/NDF:8515019.4/54

Out: 0.000+/-0.000 χ^2/NDF:13670627.3/61

All: 0.000+/-0.000 χ^2/NDF: 22502153.9/116

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -221.854+/-39.786 χ^2/NDF: 32.5/31

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -269.581+/-38.886 χ^2/NDF: 44.1/36

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

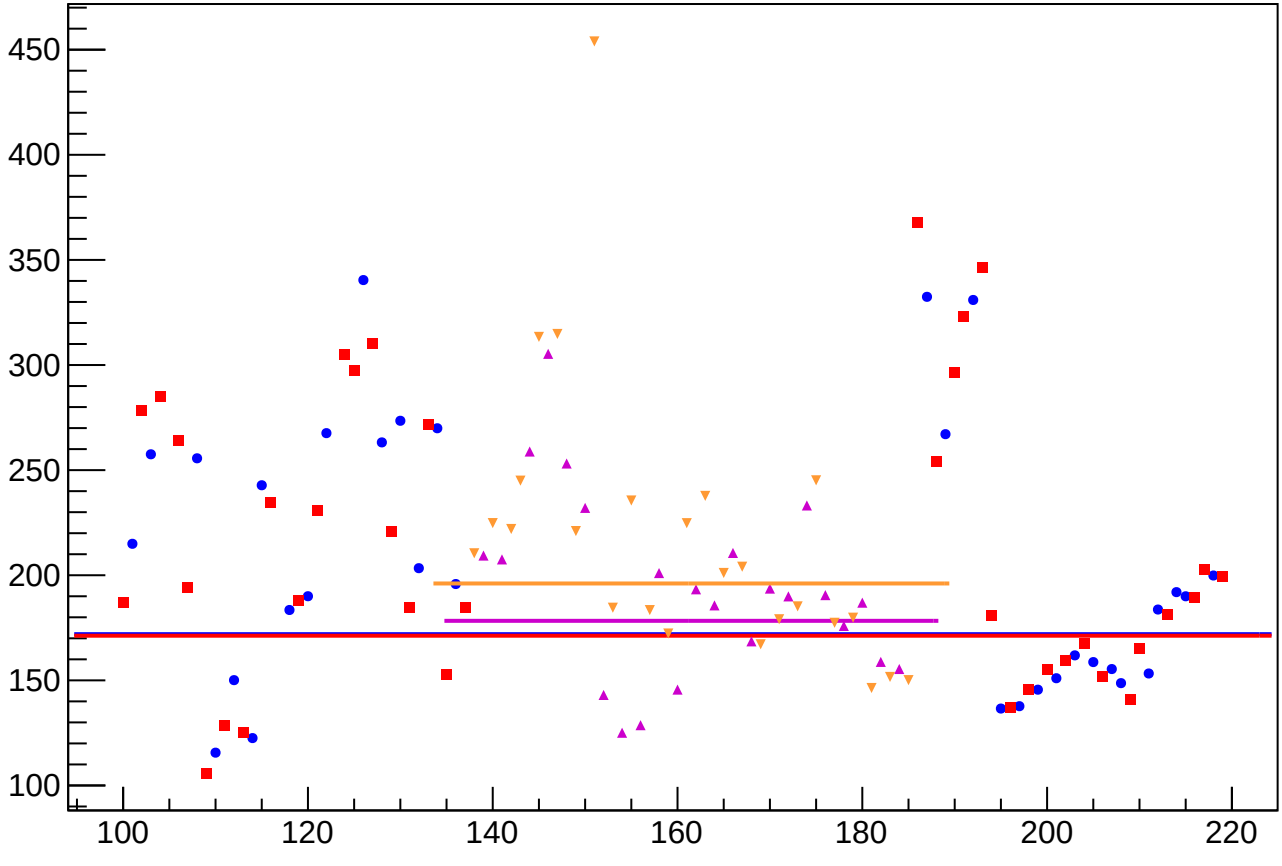
Right: -246.264+/-27.809 χ^2/NDF: 77.3/68

In: -68.458+/-29.379 χ^2/NDF:73.0/54

Out: -96.396+/-29.755 χ^2/NDF:102.3/61

All: -82.249+/-20.906 χ^2/NDF: 175.7/116

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.968+/-0.028 χ^2/NDF: 2371091.2/31

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 171.243+/-0.027 χ^2/NDF: 3110952.2/36

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

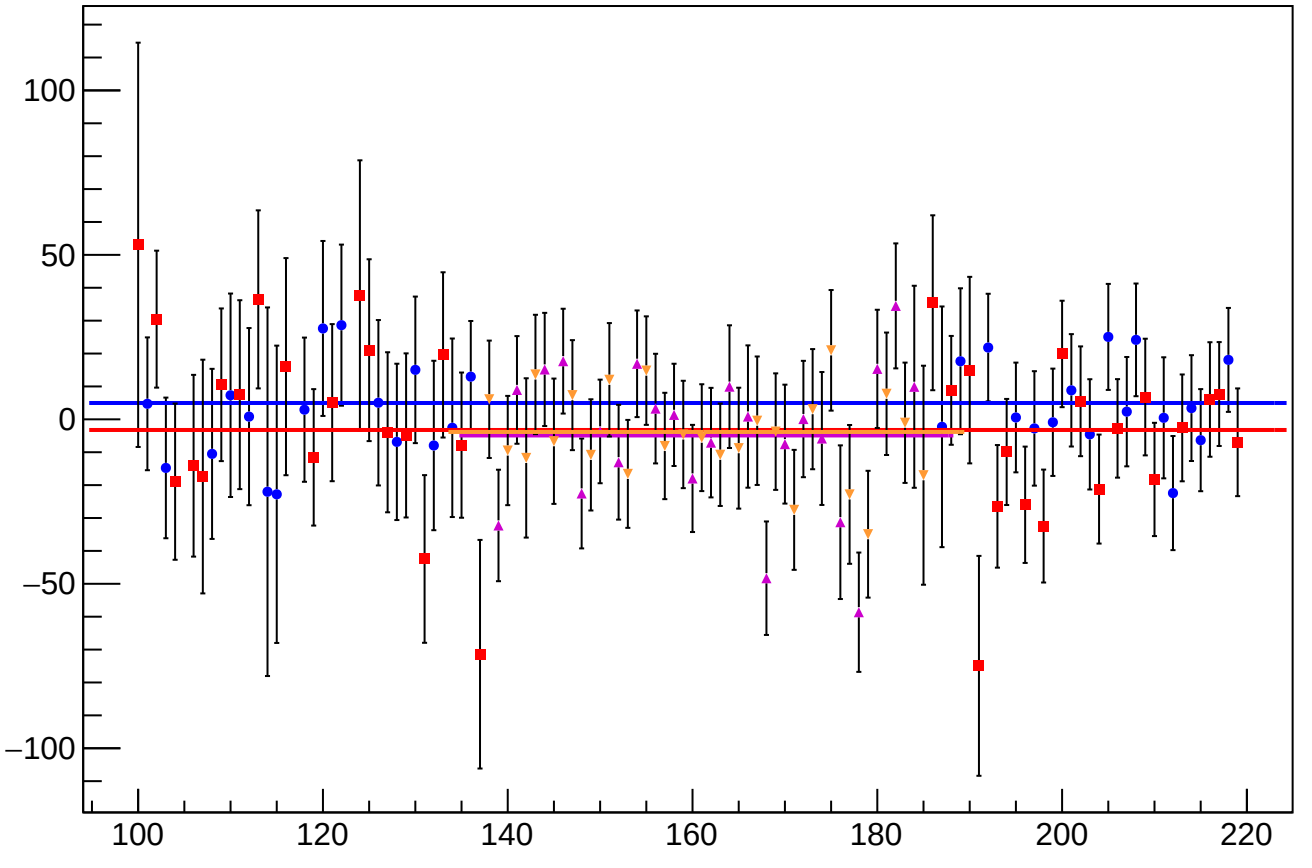
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 171.597+/-0.020 χ^2/NDF: 5482383.0/68

In: 174.855+/-0.021 χ^2/NDF:4072594.6/54

Out: 181.540+/-0.021 χ^2/NDF:5267800.7/61

All: 178.155+/-0.015 χ^2/NDF: 9391502.5/116



Right In: 4.971+/-3.545 χ^2/NDF: 13.3/31

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

Right Out: -3.236+/-3.440 χ^2/NDF: 35.6/36

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

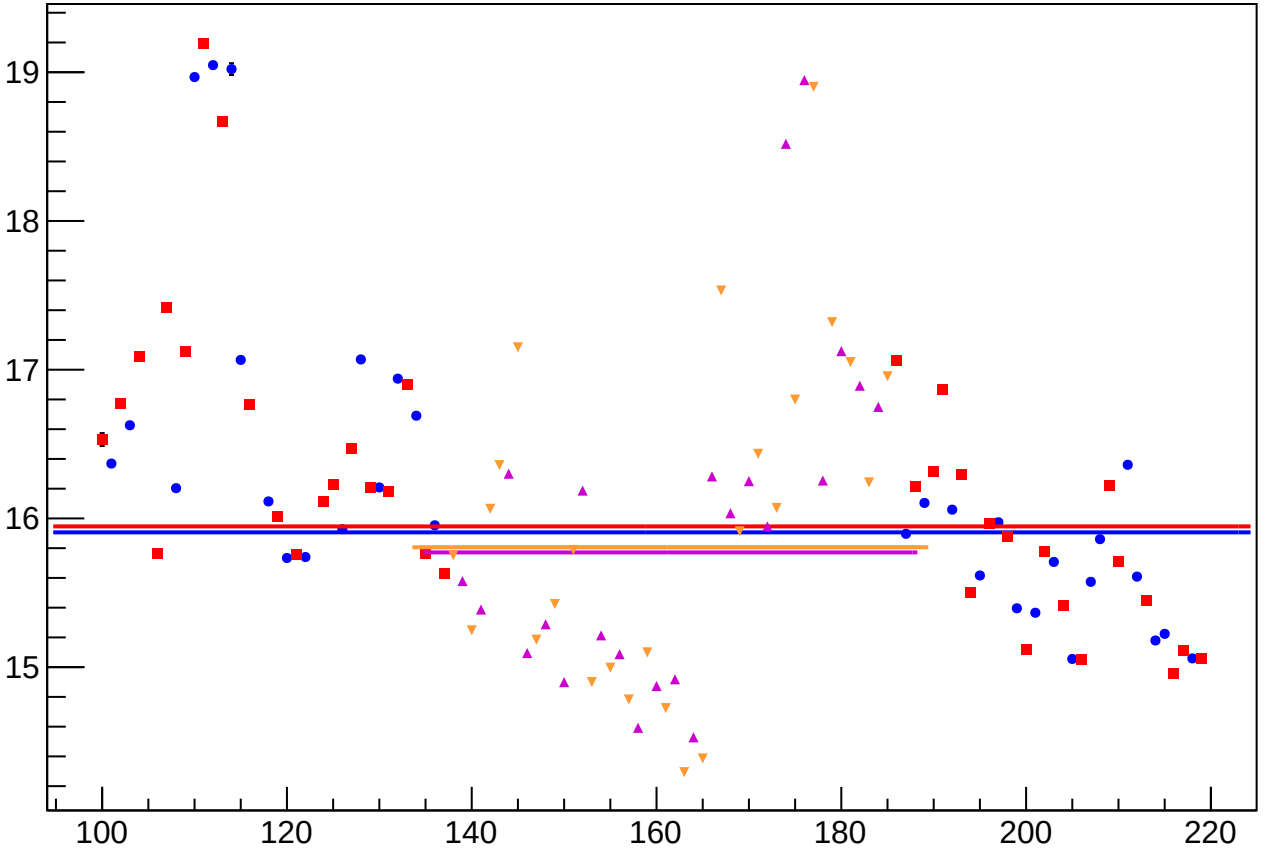
Right: 0.745+/-2.469 χ^2/NDF: 51.7/68

In: 0.239+/-2.558 χ^2/NDF:50.9/54

Out: -3.521+/-2.488 χ^2/NDF:48.5/61

All: -1.693+/-1.784 χ^2/NDF: 100.6/116

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 15.906+/-0.003 χ^2/NDF: 95417.3/31

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 15.946+/-0.002 χ^2/NDF: 111920.4/36

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

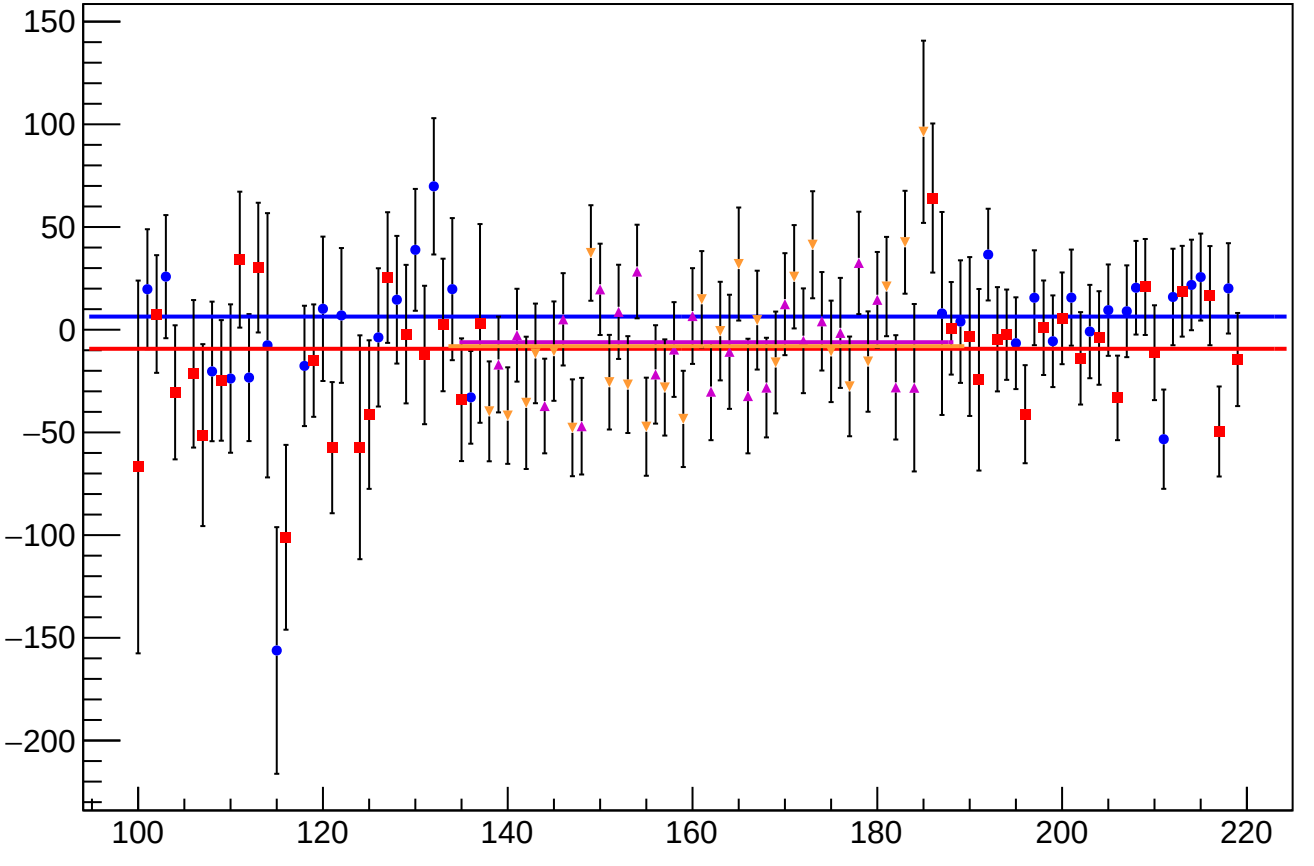
Right: 15.927+/-0.002 χ^2/NDF: 207469.0/68

In: 15.842+/-0.002 χ^2/NDF:248942.7/54

Out: 15.880+/-0.002 χ^2/NDF:286152.7/61

All: 15.861+/-0.001 χ^2/NDF: 535320.7/116

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.395+/-4.758 χ^2/NDF: 30.4/31

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -9.285+/-4.625 χ^2/NDF: 32.2/36

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

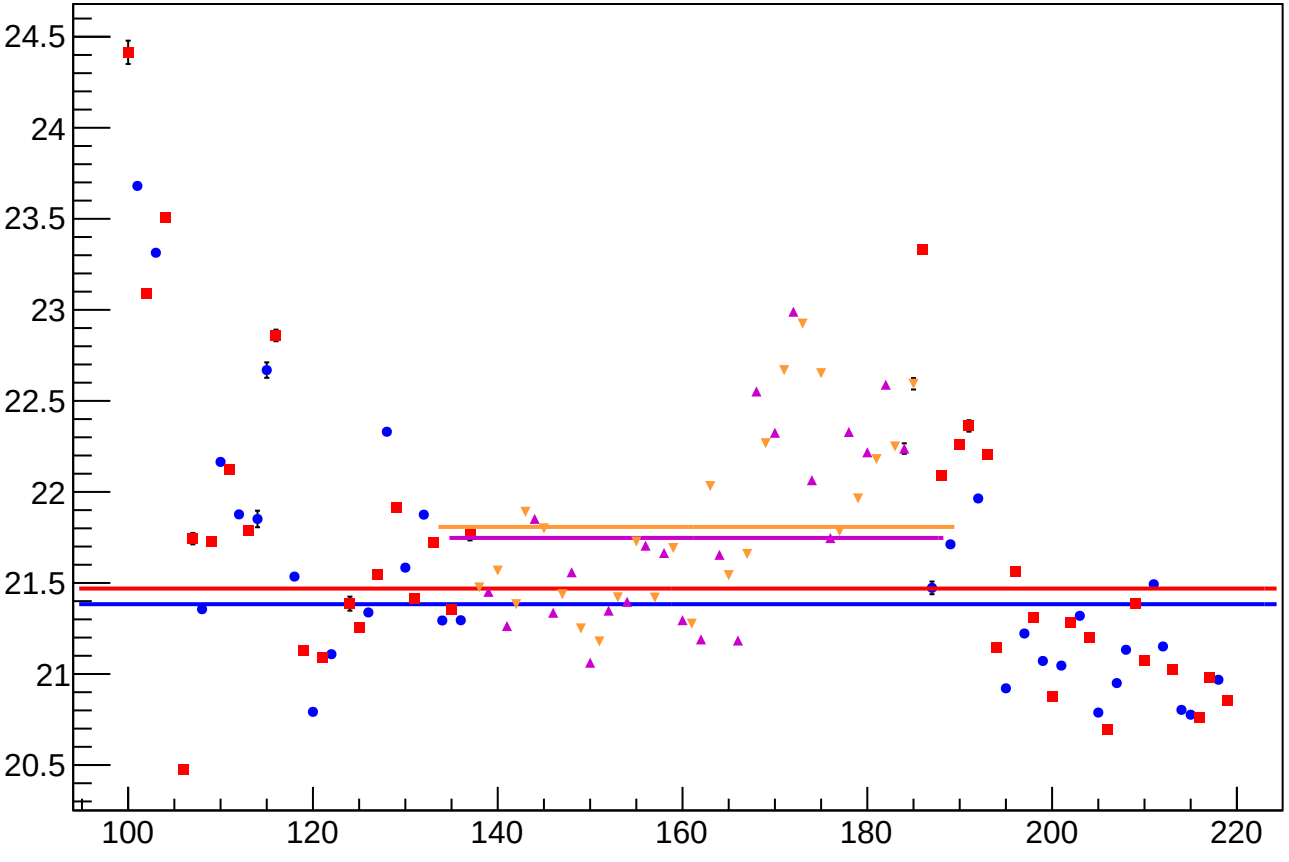
Right: -1.668+/-3.316 χ^2/NDF: 68.2/68

In: 0.562+/-3.473 χ^2/NDF:51.5/54

Out: -8.694+/-3.381 χ^2/NDF:71.1/61

All: -4.190+/-2.423 χ^2/NDF: 126.2/116

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.383+/-0.003 χ^2/NDF: 36120.1/31

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.469+/-0.003 χ^2/NDF: 43181.9/36

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

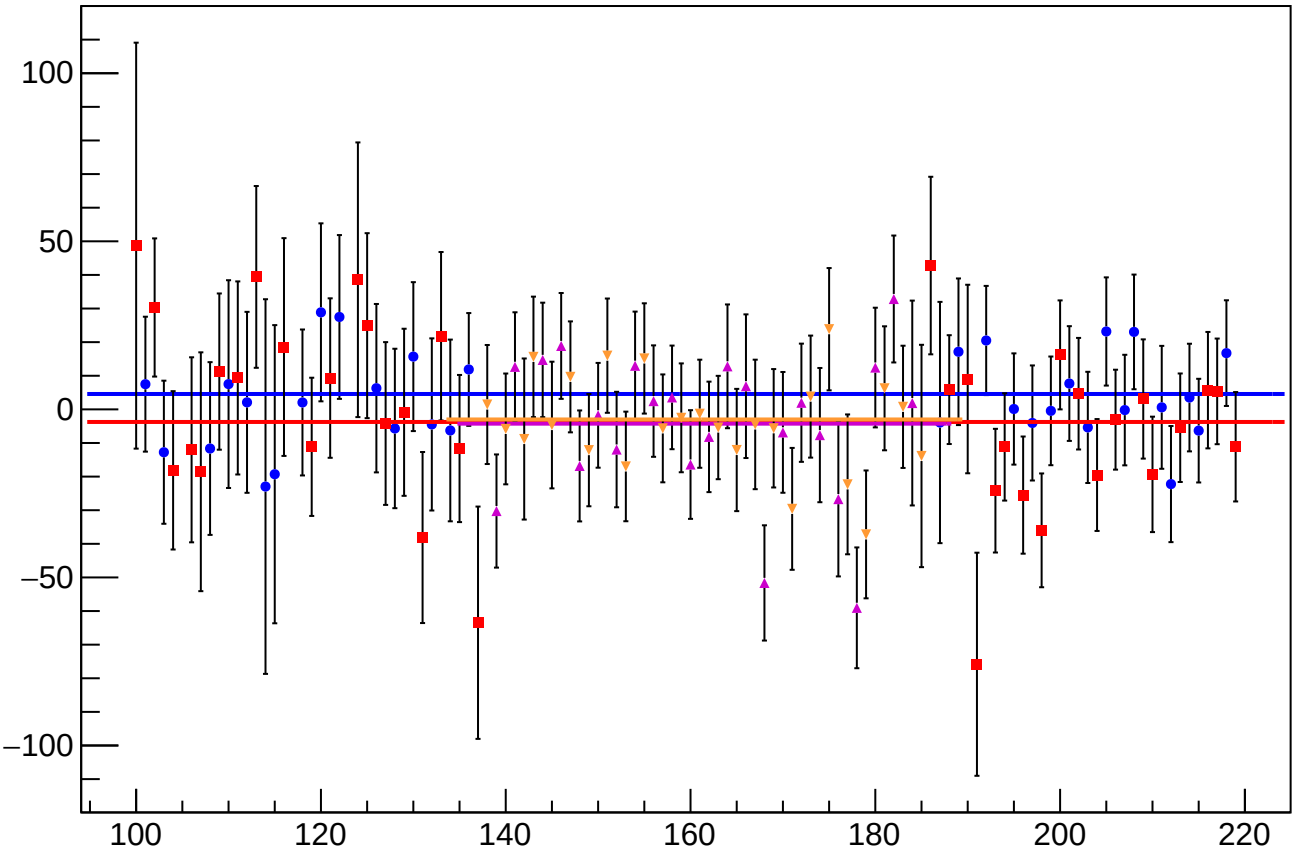
Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

Right: 21.428+/-0.002 χ^2/NDF: 79637.0/68

In: 21.553+/-0.002 χ^2/NDF:62148.7/54

Out: 21.627+/-0.002 χ^2/NDF:65729.8/61

All: 21.591+/-0.002 χ^2/NDF: 128336.6/116



Right In: 4.577+/-3.520 χ^2/NDF: 12.6/31

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

Right Out: -3.746+/-3.418 χ^2/NDF: 35.9/36

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

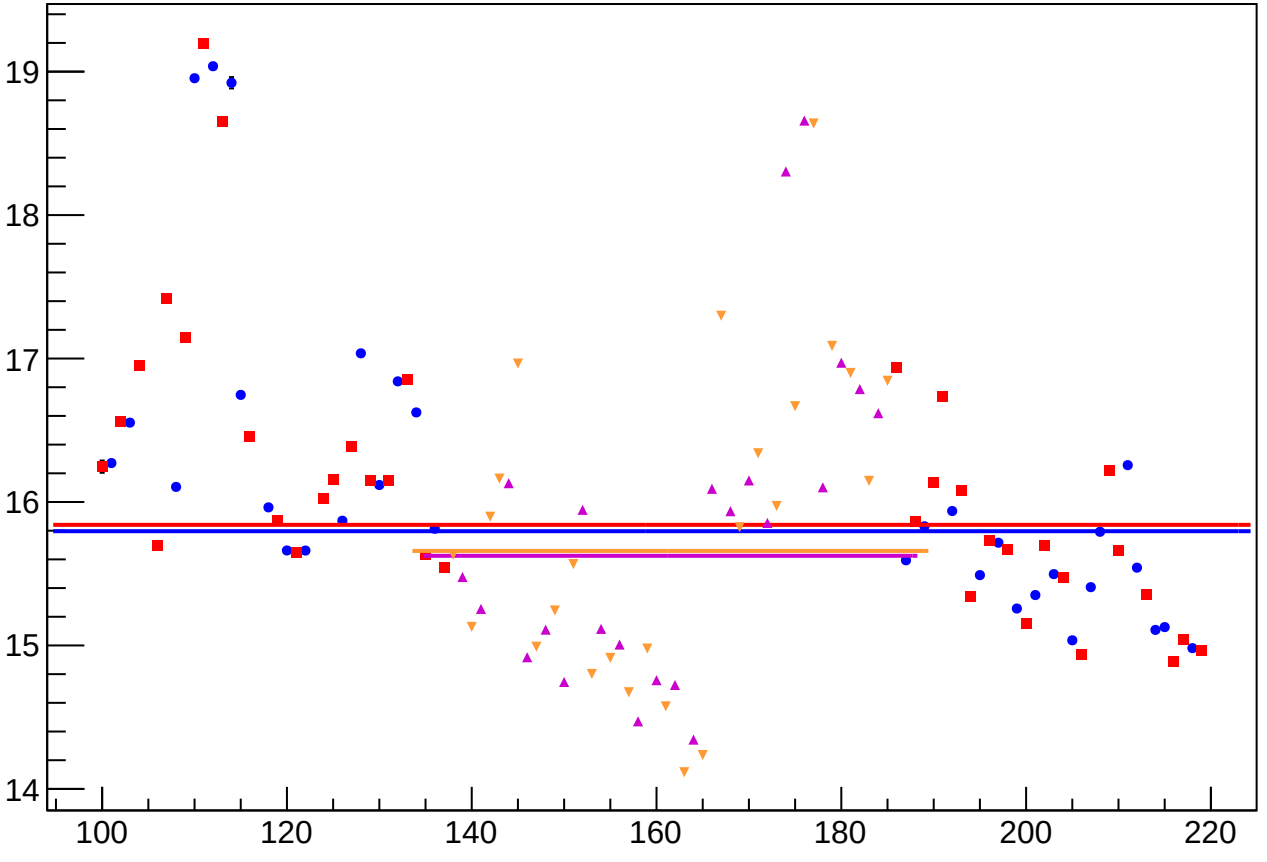
Right: 0.292+/-2.452 χ^2/NDF: 51.4/68

In: 0.336+/-2.537 χ^2/NDF:49.5/54

Out: -3.390+/-2.468 χ^2/NDF:50.5/61

All: -1.578+/-1.769 χ^2/NDF: 101.1/116

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 15.796+/-0.002 χ^2/NDF: 97673.8/31

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 15.841+/-0.002 χ^2/NDF: 112426.5/36

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

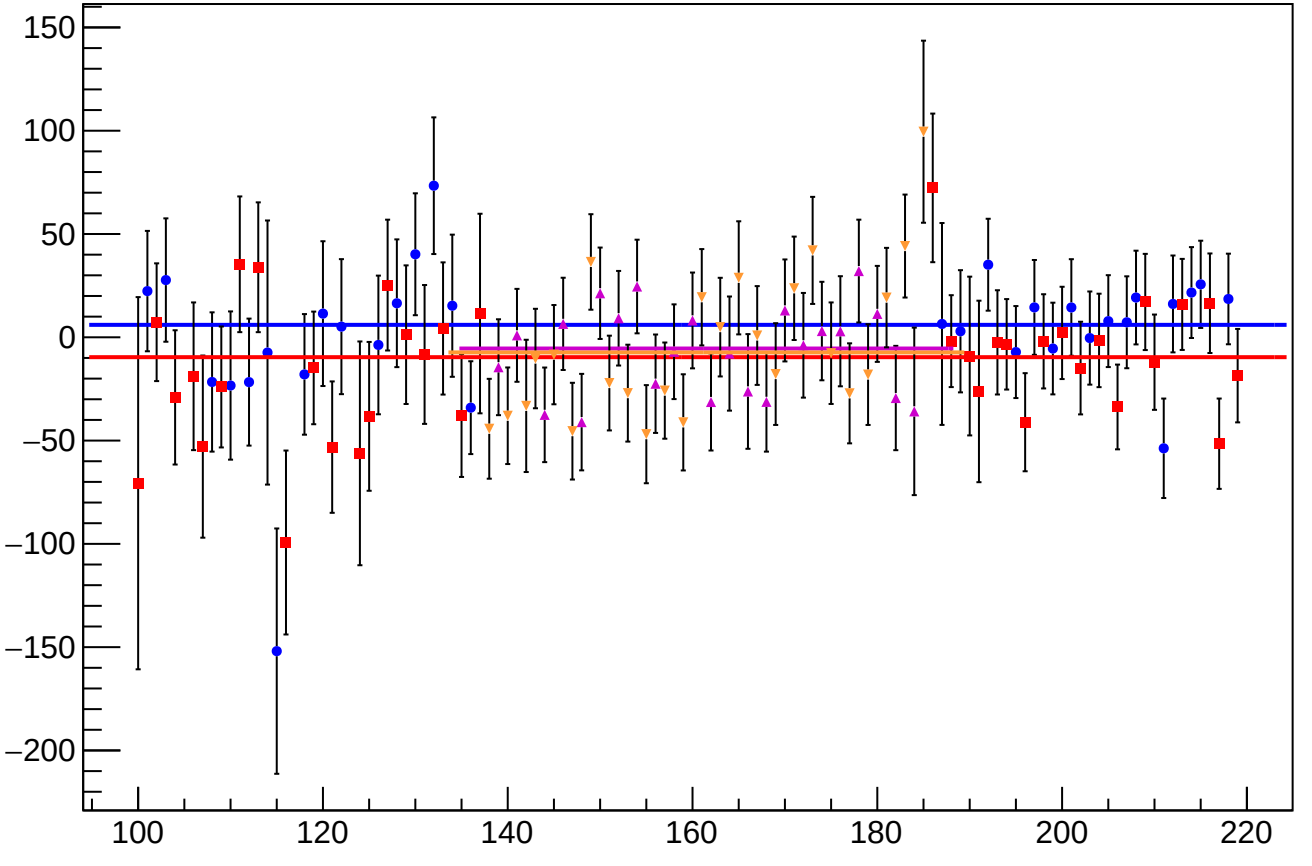
Right: 15.819+/-0.002 χ^2/NDF: 210264.0/68

In: 15.714+/-0.002 χ^2/NDF:250382.9/54

Out: 15.754+/-0.002 χ^2/NDF:284974.4/61

All: 15.734+/-0.001 χ^2/NDF: 535609.3/116

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.025+/-4.739 χ^2/NDF: 30.8/31

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

Right Out: -9.622+/-4.604 χ^2/NDF: 33.2/36

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

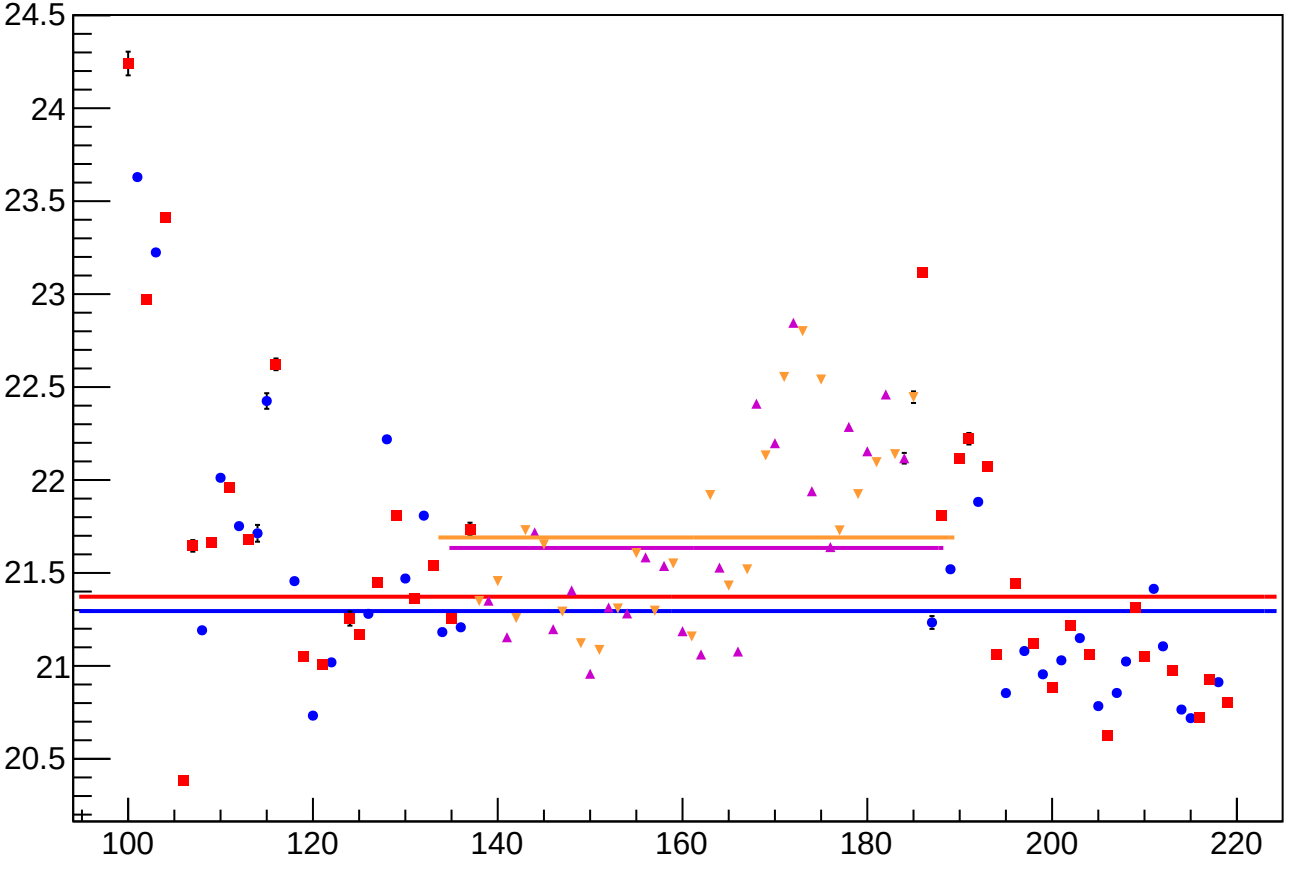
Right: -2.025+/-3.302 χ^2/NDF: 69.6/68

In: 0.663+/-3.457 χ^2/NDF:50.8/54

Out: -8.549+/-3.365 χ^2/NDF:71.9/61

All: -4.067+/-2.411 χ^2/NDF: 126.4/116

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.295+/-0.003 χ^2/NDF: 35212.9/31

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.372+/-0.003 χ^2/NDF: 39405.8/36

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

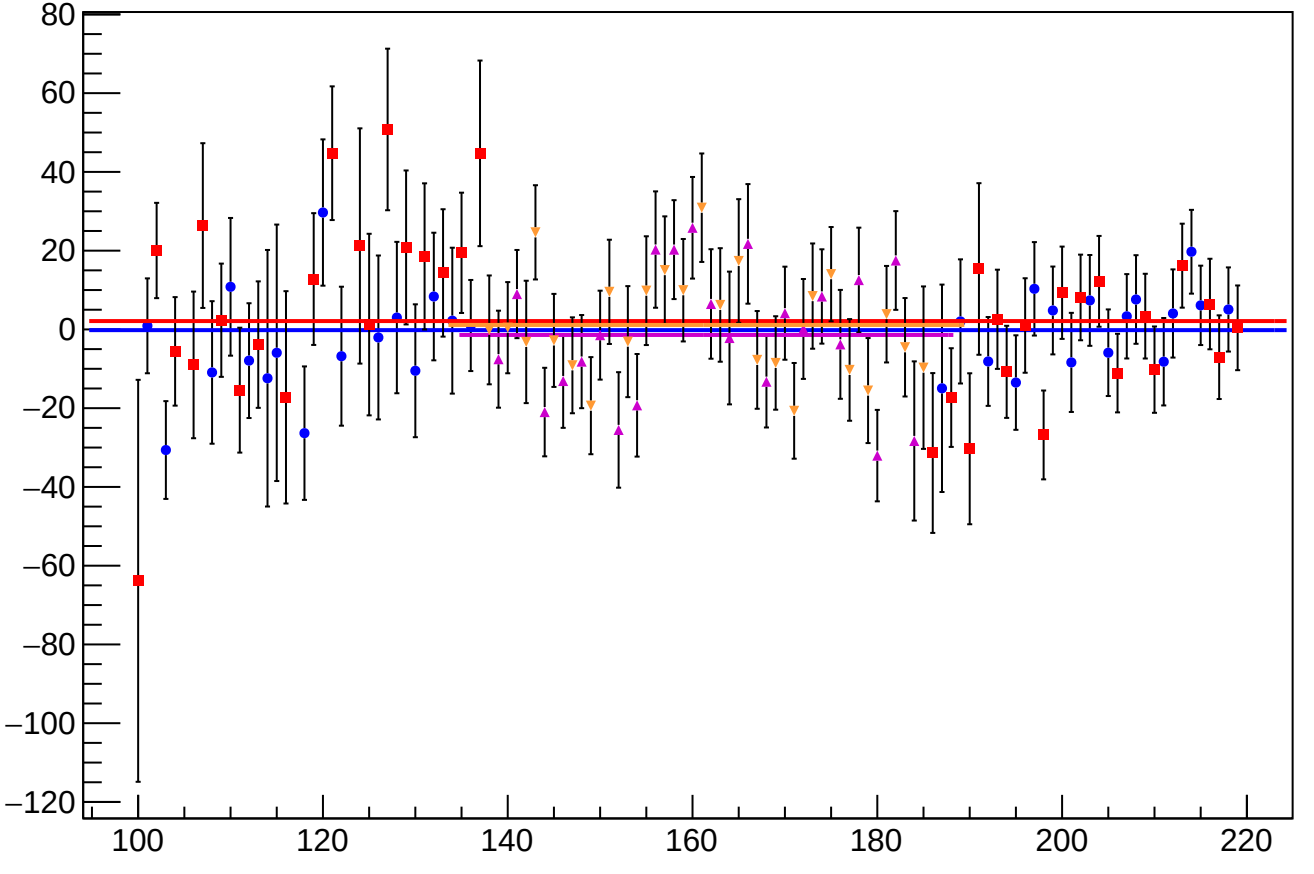
Right: 21.335+/-0.002 χ^2/NDF: 74892.2/68

In: 21.454+/-0.002 χ^2/NDF:60578.9/54

Out: 21.521+/-0.002 χ^2/NDF:61804.2/61

All: 21.488+/-0.002 χ^2/NDF: 122767.2/116

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.182+/-2.382 χ^2/NDF: 22.6/31

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 2.121+/-2.320 χ^2/NDF: 50.6/36

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

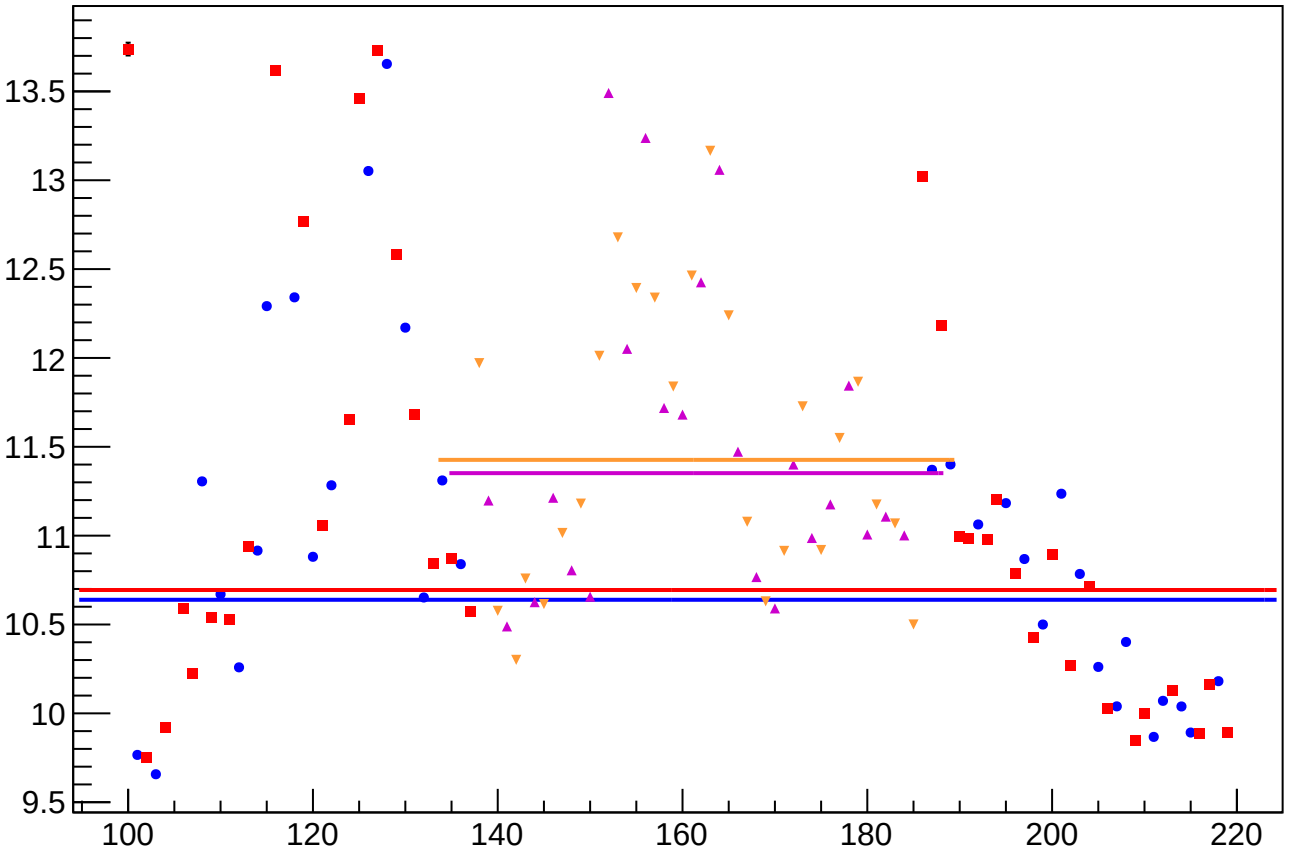
Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

Right: 0.999+/-1.662 χ^2/NDF: 73.7/68

In: -0.724+/-1.779 χ^2/NDF:59.0/54

Out: 1.689+/-1.737 χ^2/NDF:75.2/61

All: 0.511+/-1.243 χ^2/NDF: 135.2/116



Right In: 10.639+/-0.002 χ^2/NDF: 215720.5/31

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 10.694+/-0.002 χ^2/NDF: 308500.1/36

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

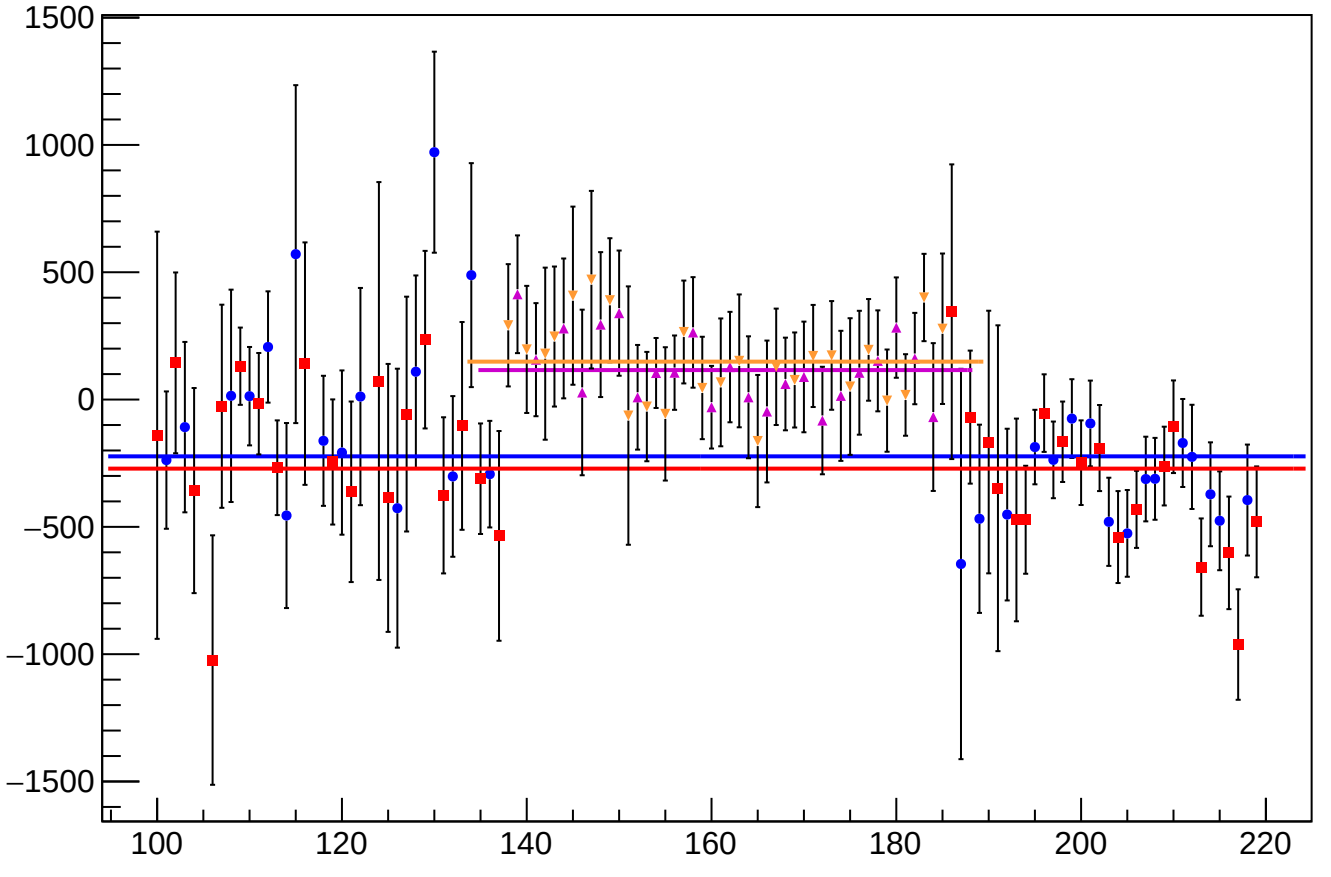
Right: 10.667+/-0.001 χ^2/NDF: 524768.0/68

In: 10.954+/-0.001 χ^2/NDF:465476.4/54

Out: 11.016+/-0.001 χ^2/NDF:553046.8/61

All: 10.986+/-0.001 χ^2/NDF: 1019753.1/116

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: -223.061+/-39.885 χ^2/NDF: 32.5/31

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -271.248+/-38.988 χ^2/NDF: 44.2/36

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

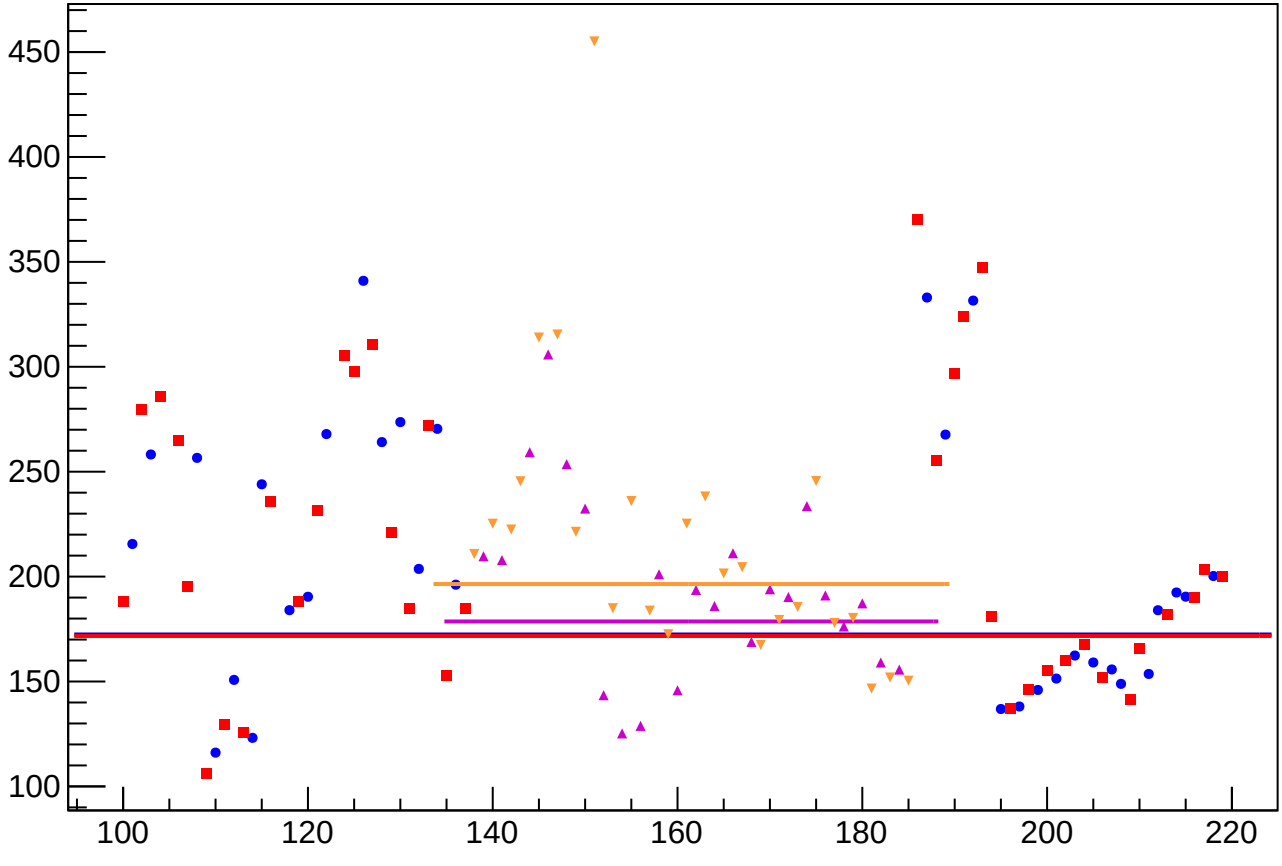
Right: -247.702+/-27.880 χ^2/NDF: 77.5/68

In: -68.879+/-29.441 χ^2/NDF:73.2/54

Out: -96.956+/-29.825 χ^2/NDF:102.9/61

All: -82.736+/-20.952 χ^2/NDF: 176.5/116

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.407+/-0.028 χ^2/NDF: 2366105.2/31

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 171.702+/-0.028 χ^2/NDF: 3107446.0/36

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

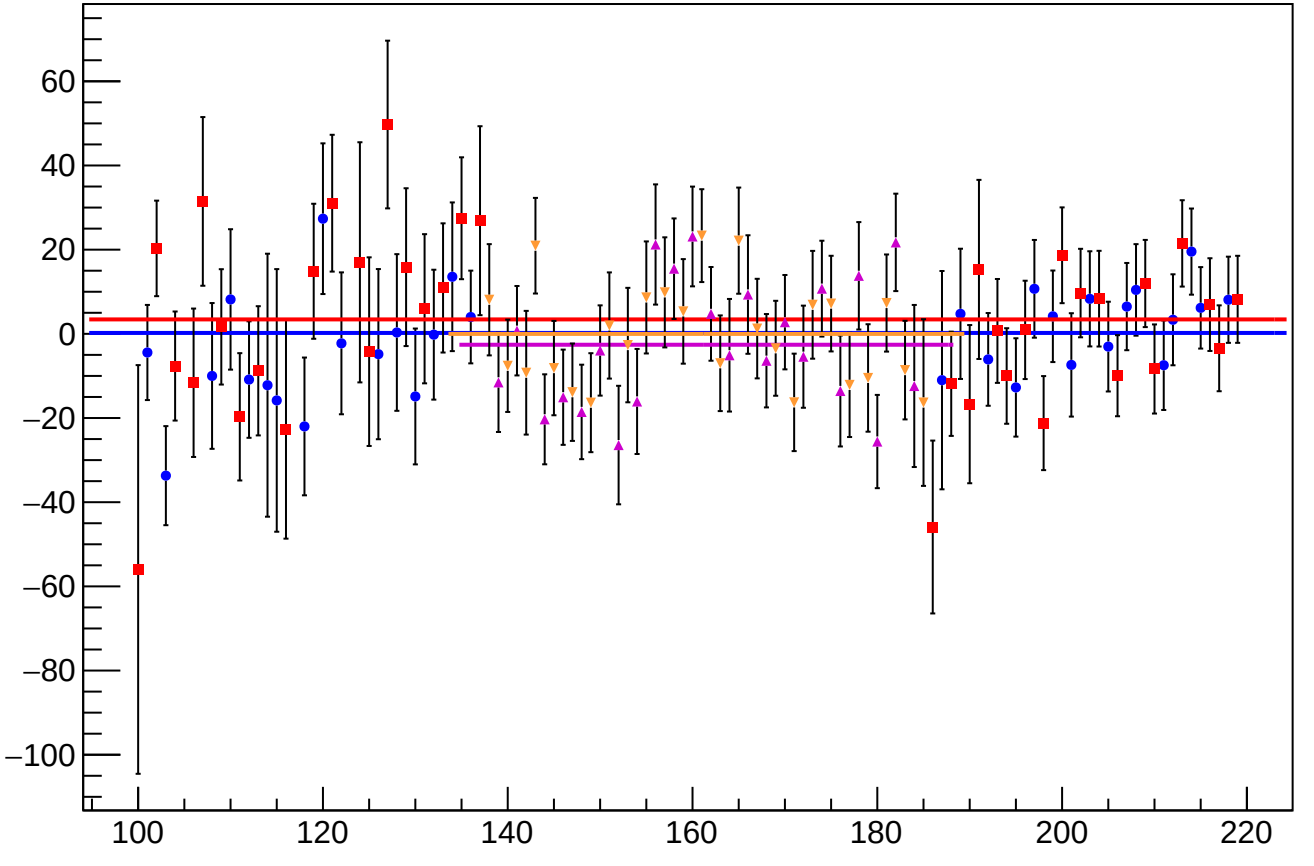
Right: 172.047+/-0.020 χ^2/NDF: 5473870.1/68

In: 175.232+/-0.021 χ^2/NDF:4067011.2/54

Out: 181.970+/-0.021 χ^2/NDF:5260579.6/61

All: 178.557+/-0.015 χ^2/NDF: 9379297.7/116

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.214+/-2.296 χ^2/NDF: 26.1/31

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.428+/-2.238 χ^2/NDF: 50.0/36

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

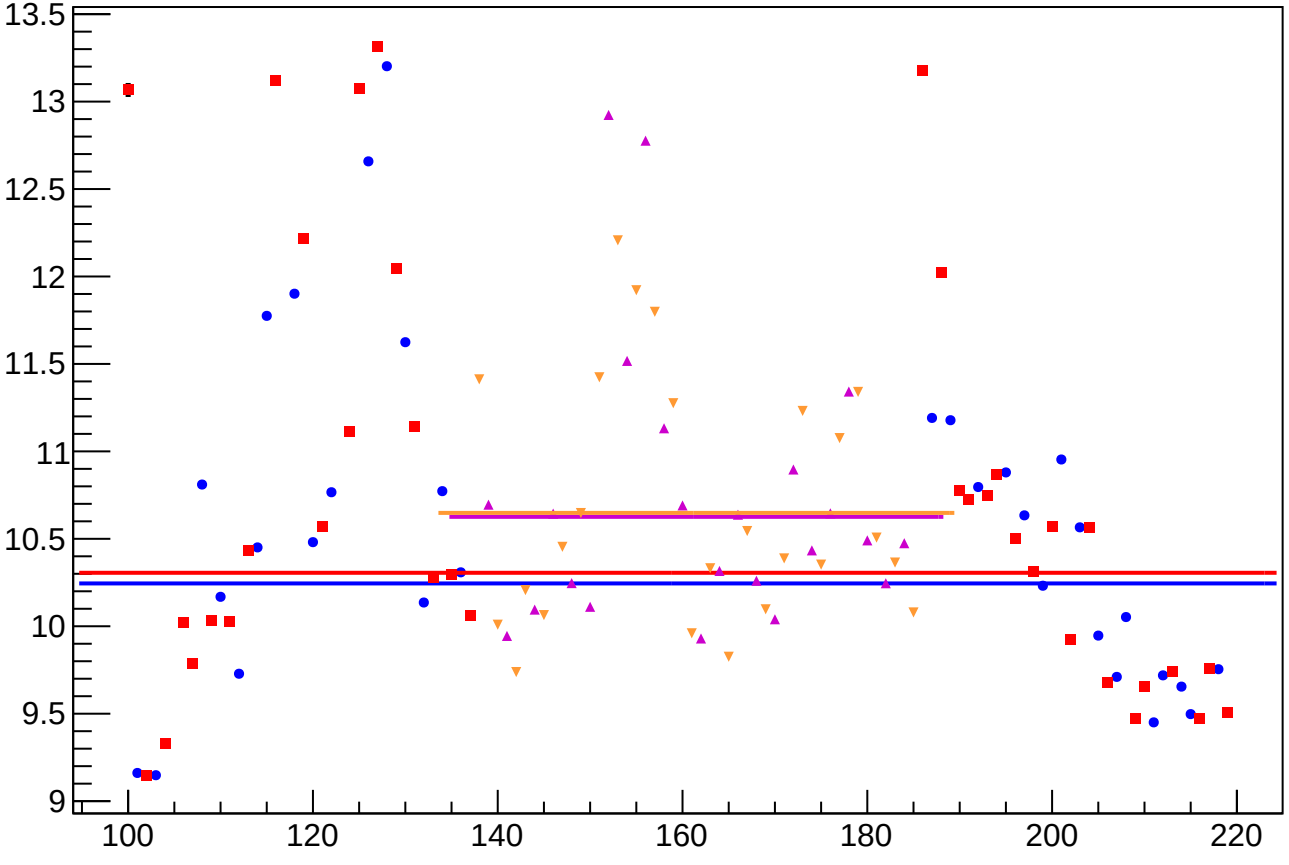
Right: 1.862+/-1.603 χ^2/NDF: 77.0/68

In: -1.066+/-1.693 χ^2/NDF:61.5/54

Out: 1.857+/-1.651 χ^2/NDF:74.8/61

All: 0.432+/-1.182 χ^2/NDF: 137.8/116

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.245+/-0.002 χ^2/NDF: 241862.1/31

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.306+/-0.002 χ^2/NDF: 351007.5/36

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

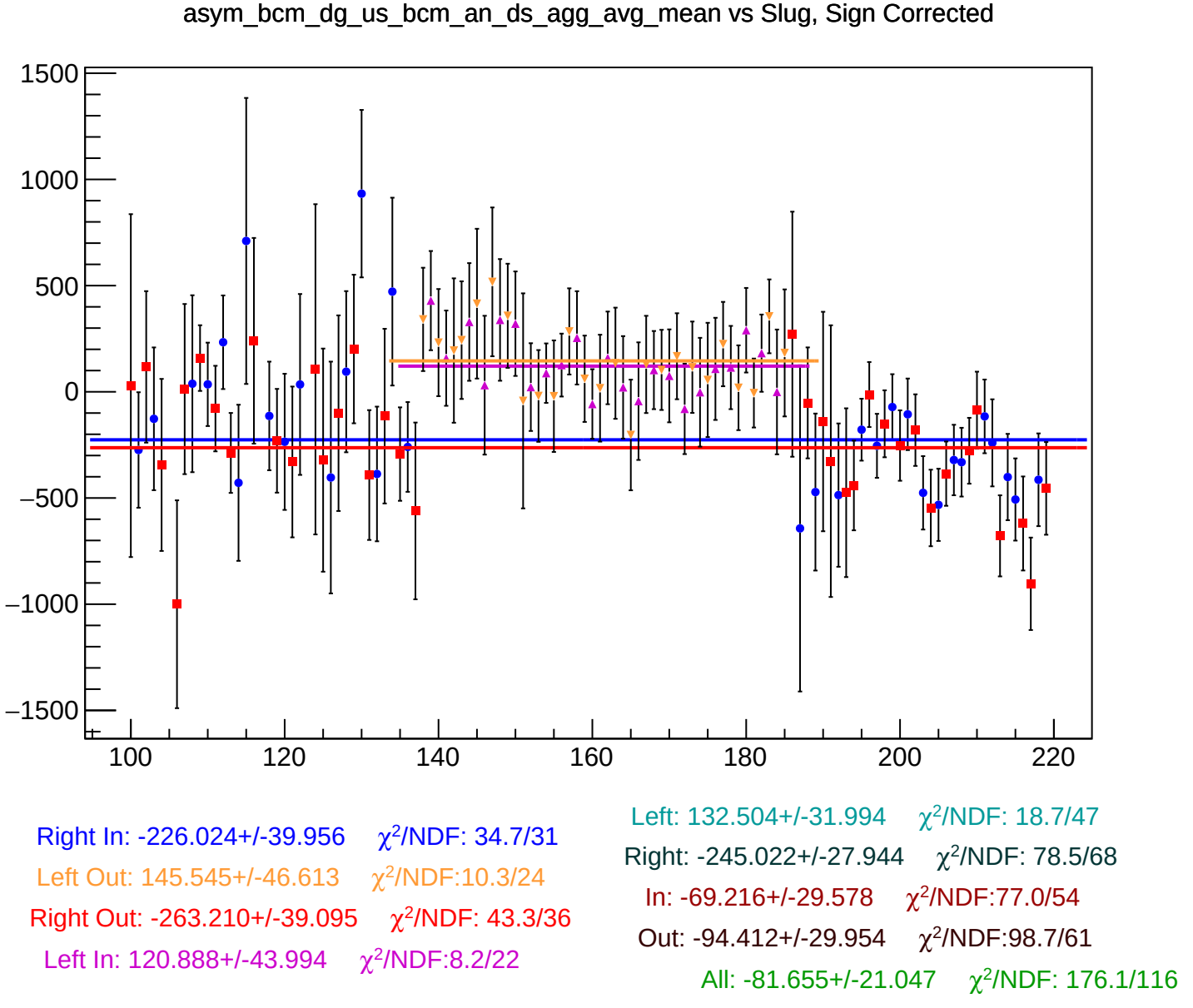
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.276+/-0.001 χ^2/NDF: 593590.6/68

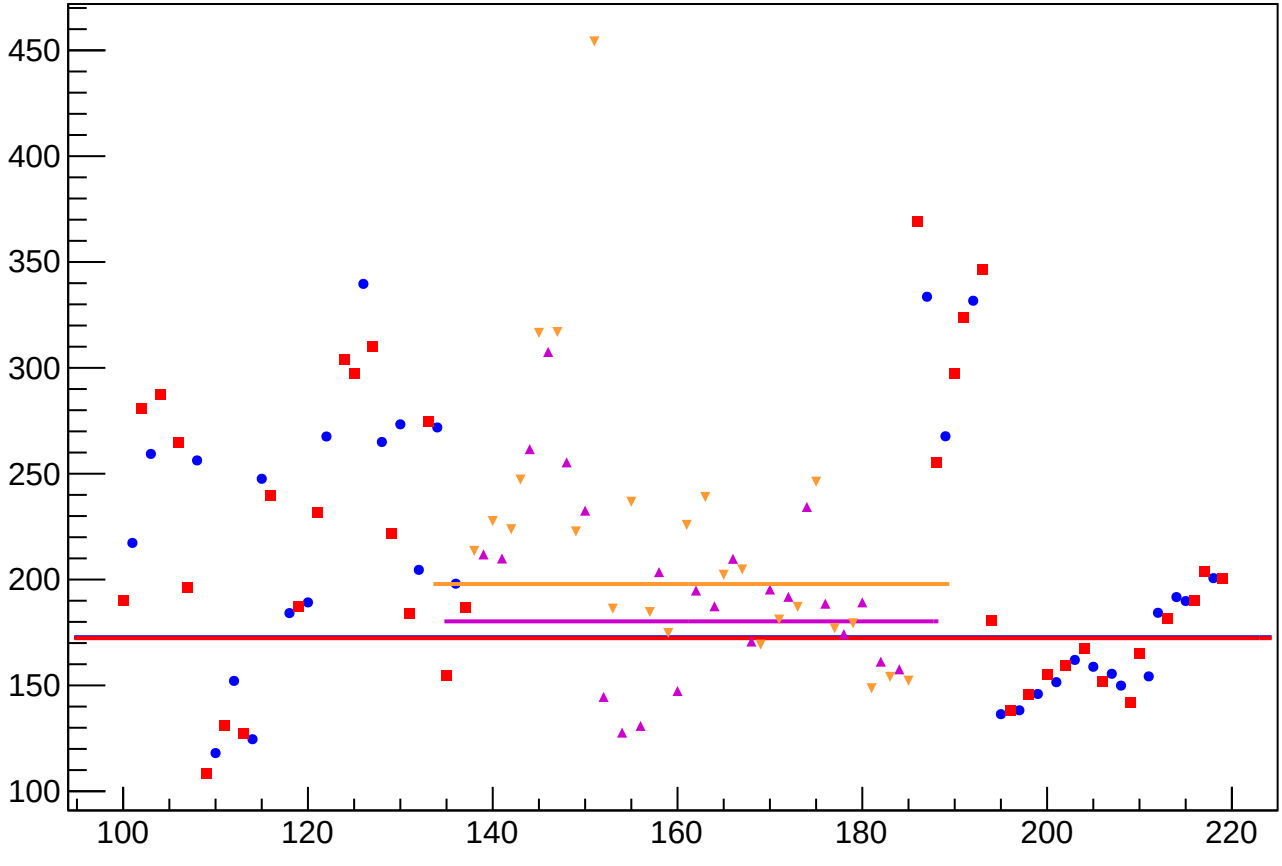
In: 10.419+/-0.001 χ^2/NDF:426514.6/54

Out: 10.462+/-0.001 χ^2/NDF:515896.7/61

All: 10.441+/-0.001 χ^2/NDF: 943082.4/116


asym_bcm_dg_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: -226.024+/-39.956 χ²/NDF: 34.7/31
Left Out: 145.545+/-46.613 χ²/NDF:10.3/24
Right Out: -263.210+/-39.095 χ²/NDF: 43.3/36
Left In: 120.888+/-43.994 χ²/NDF:8.2/22
Left: 132.504+/-31.994 χ²/NDF: 18.7/47
Right: -245.022+/-27.944 χ²/NDF: 78.5/68
In: -69.216+/-29.578 χ²/NDF:77.0/54
Out: -94.412+/-29.954 χ²/NDF:98.7/61
All: -81.655+/-21.047 χ²/NDF: 176.1/116

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.755+/-0.028 χ^2/NDF: 2354299.2/31

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 172.315+/-0.028 χ^2/NDF: 3053674.4/36

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

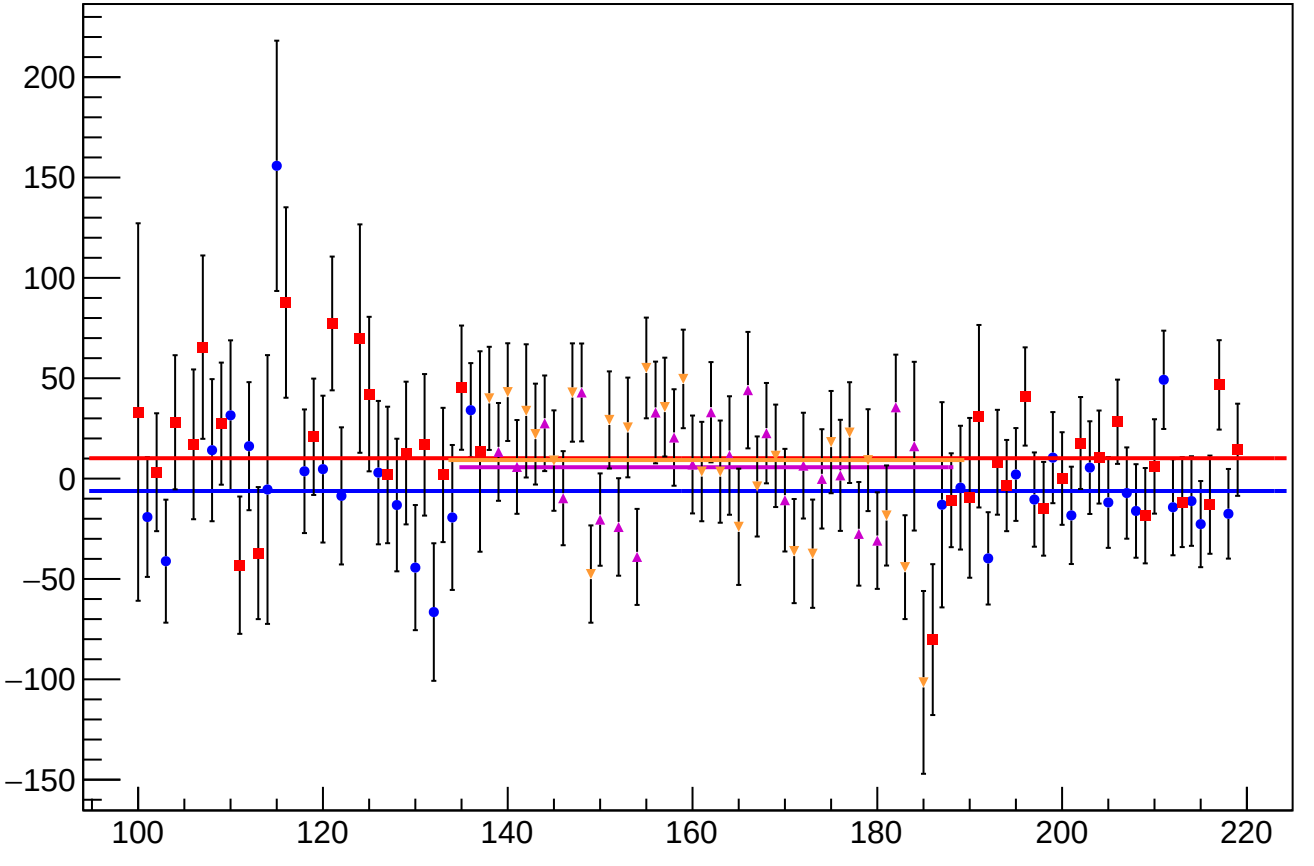
Right: 172.530+/-0.020 χ^2/NDF: 5408097.6/68

In: 176.142+/-0.021 χ^2/NDF:4013867.9/54

Out: 182.876+/-0.021 χ^2/NDF:5195979.5/61

All: 179.466+/-0.015 χ^2/NDF: 9261031.6/116

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.180+/-4.889 χ^2/NDF: 27.8/31

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 10.156+/-4.758 χ^2/NDF: 34.1/36

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

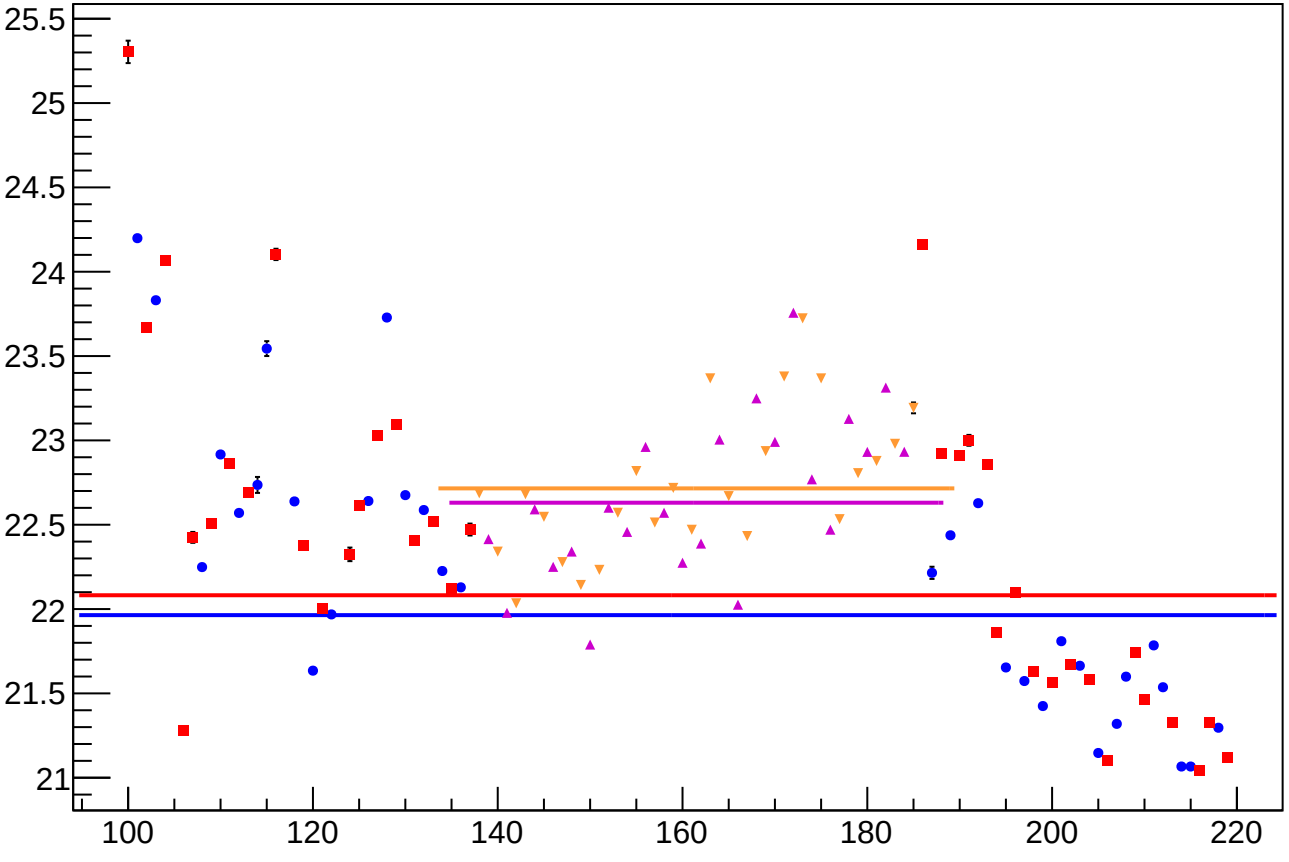
Right: 2.209+/-3.410 χ^2/NDF: 67.6/68

In: -0.719+/-3.589 χ^2/NDF:51.3/54

Out: 9.733+/-3.499 χ^2/NDF:73.5/61

All: 4.641+/-2.505 χ^2/NDF: 129.2/116

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.964+/-0.003 χ^2/NDF: 50419.2/31

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.082+/-0.003 χ^2/NDF: 60030.4/36

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

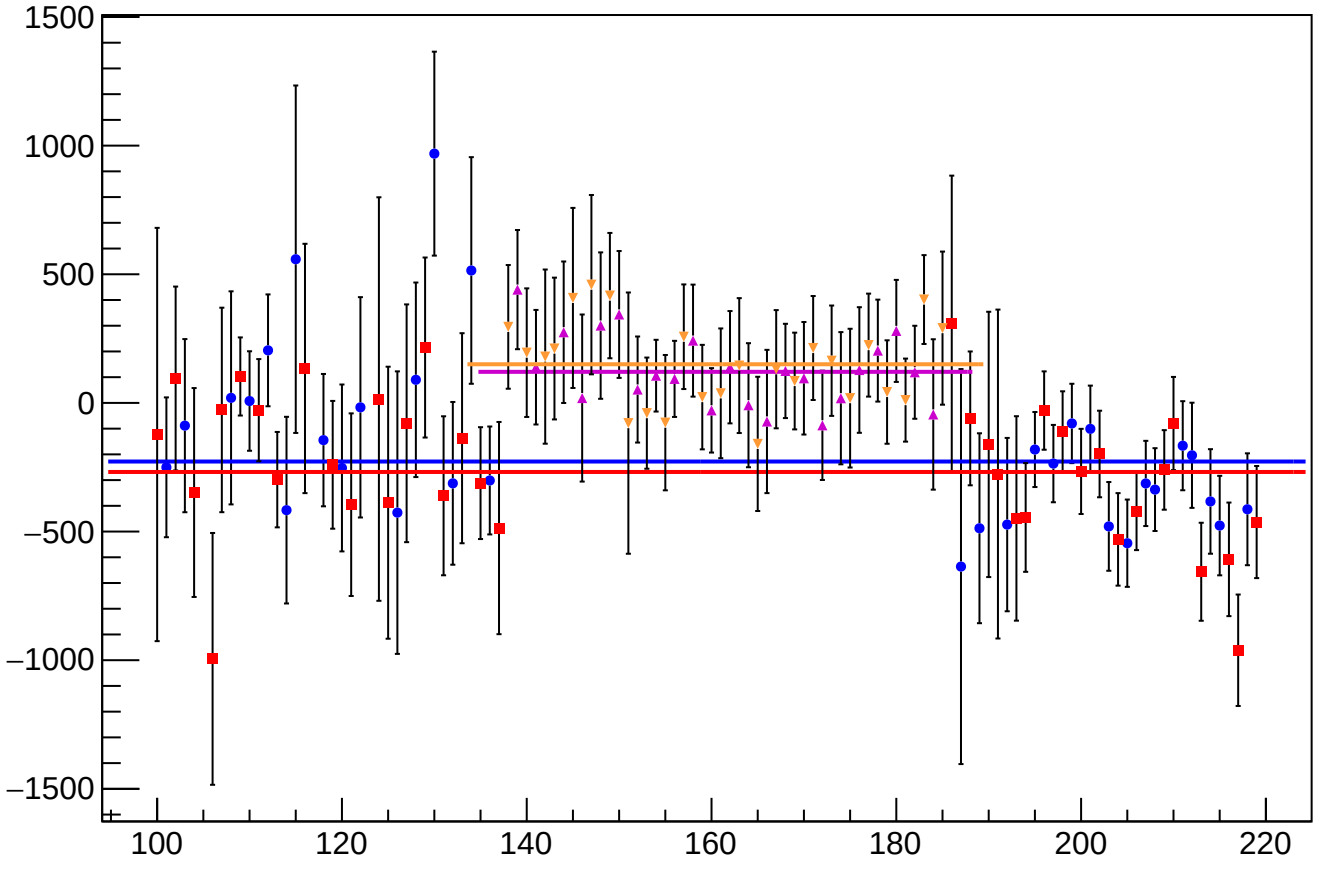
Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

Right: 22.025+/-0.002 χ^2/NDF: 111046.7/68

In: 22.271+/-0.003 χ^2/NDF:82949.7/54

Out: 22.373+/-0.002 χ^2/NDF:88500.2/61

All: 22.323+/-0.002 χ^2/NDF: 172272.1/116



Right In: -227.791+/-39.841 χ^2/NDF: 33.3/31

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: -268.392+/-38.940 χ^2/NDF: 42.7/36

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

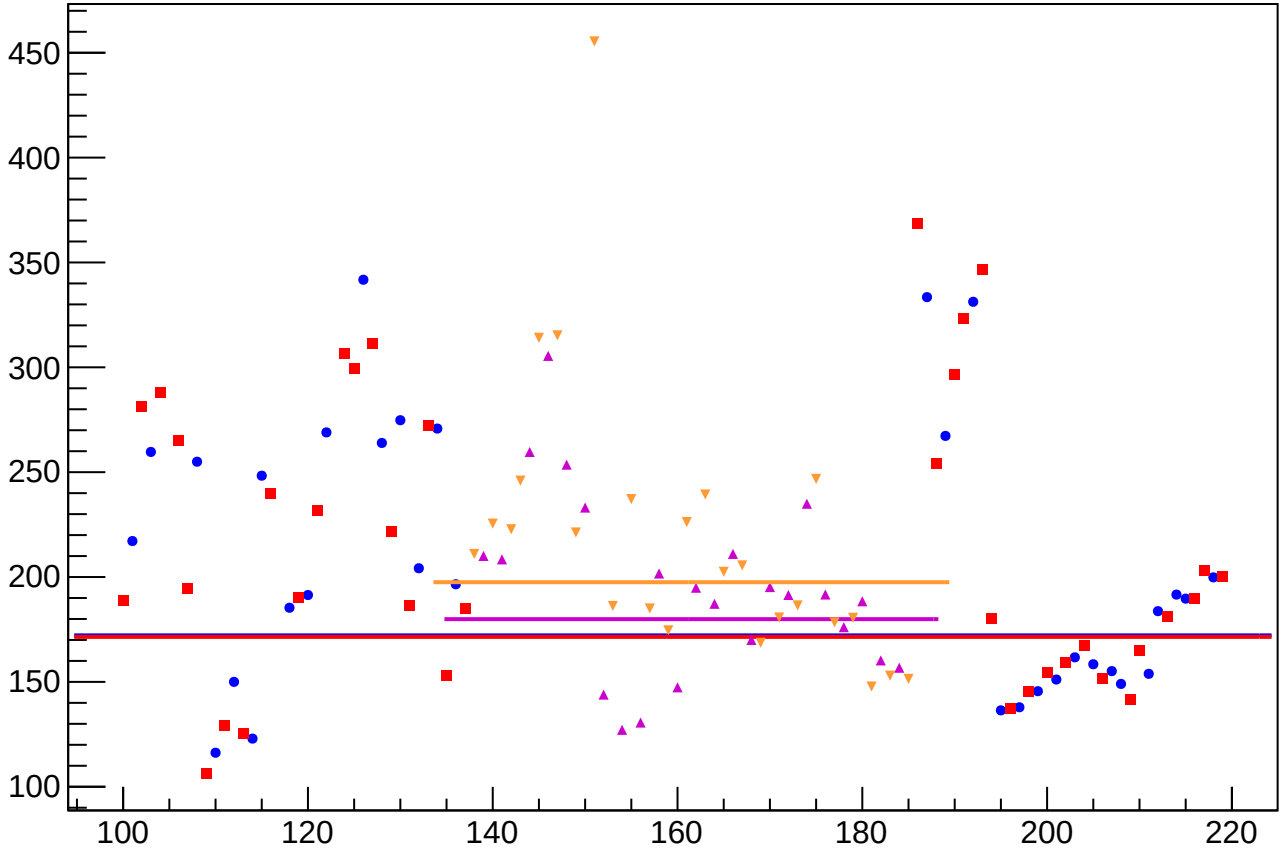
Right: -248.556+/-27.848 χ^2/NDF: 76.6/68

In: -70.450+/-29.509 χ^2/NDF:75.7/54

Out: -95.991+/-29.864 χ^2/NDF:101.3/61

All: -83.068+/-20.990 χ^2/NDF: 177.4/116

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.176+/-0.028 χ^2/NDF: 2386620.0/31

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 171.463+/-0.028 χ^2/NDF: 3127564.2/36

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

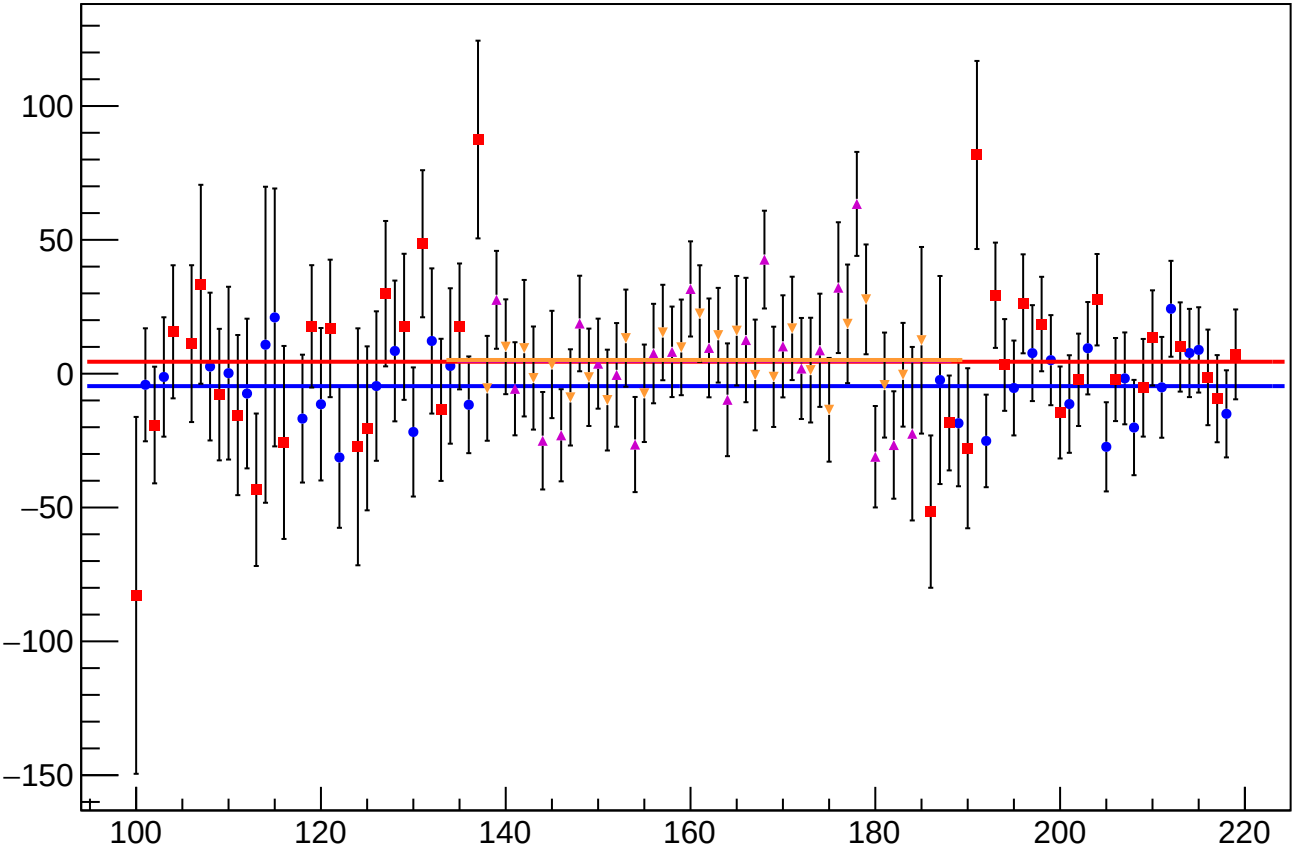
Right: 171.812+/-0.020 χ^2/NDF: 5514512.1/68

In: 175.673+/-0.021 χ^2/NDF:4044901.7/54

Out: 182.200+/-0.021 χ^2/NDF:5286673.1/61

All: 178.898+/-0.015 χ^2/NDF: 9379910.3/116

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.650+/-3.714 χ^2/NDF: 13.5/31

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: 4.459+/-3.613 χ^2/NDF: 39.3/36

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

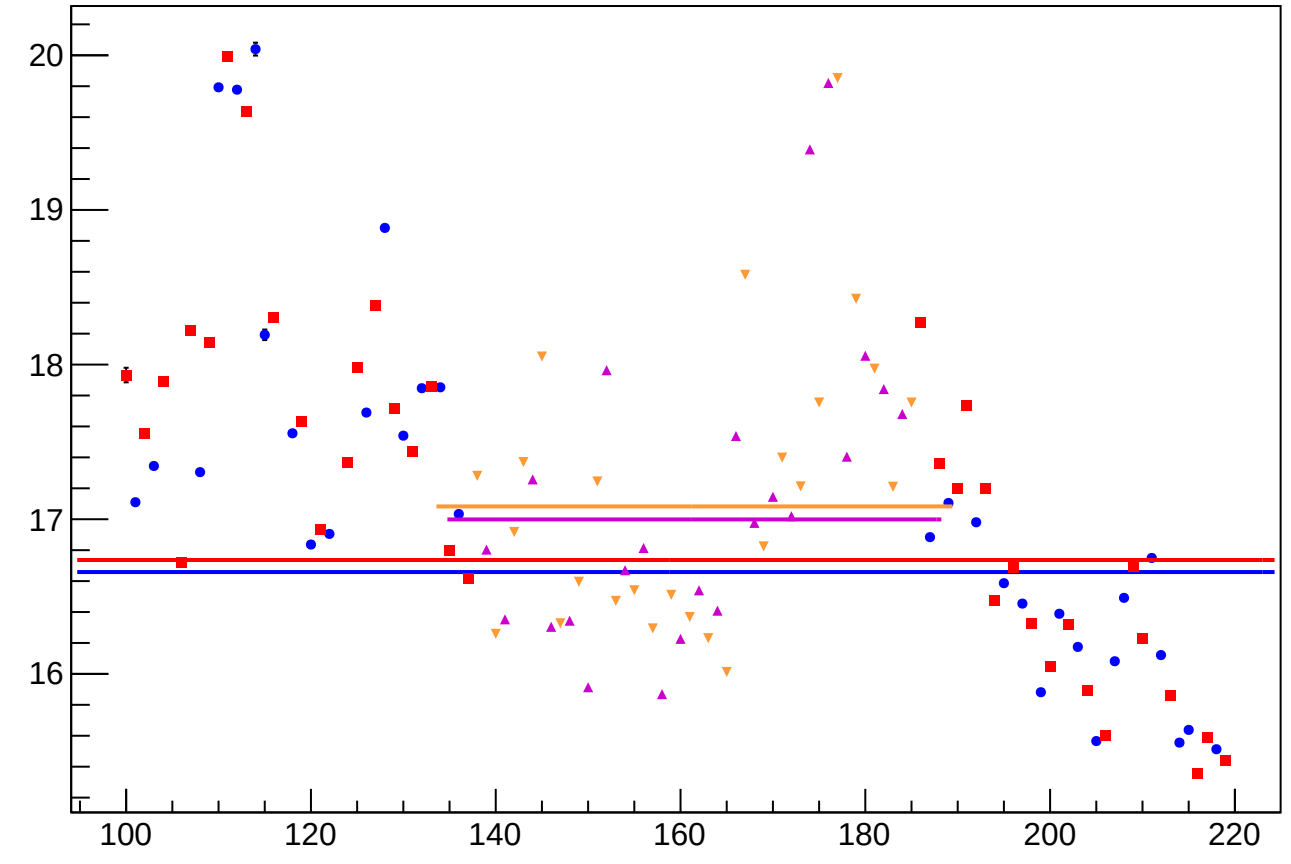
Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

Right: 0.030+/-2.590 χ^2/NDF: 55.8/68

In: -0.225+/-2.715 χ^2/NDF:52.0/54

Out: 4.764+/-2.647 χ^2/NDF:47.2/61

All: 2.333+/-1.895 χ^2/NDF: 100.9/116



Right In: 16.658+/-0.003 χ^2/NDF: 135128.6/31

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 16.737+/-0.003 χ^2/NDF: 161395.5/36

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

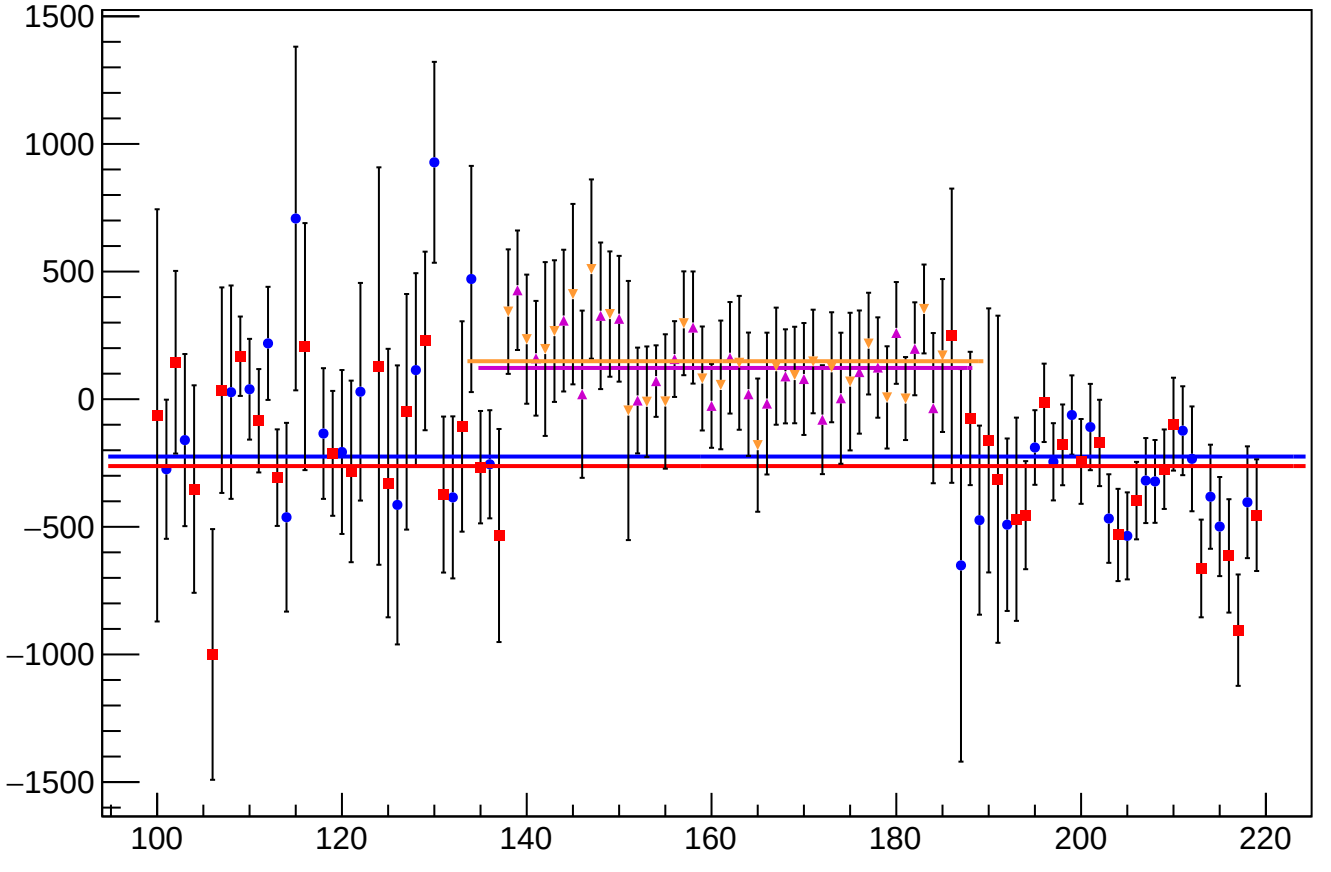
Right: 16.699+/-0.002 χ^2/NDF: 296977.9/68

In: 16.817+/-0.002 χ^2/NDF:246963.1/54

Out: 16.897+/-0.002 χ^2/NDF:266685.1/61

All: 16.858+/-0.001 χ^2/NDF: 514540.2/116

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -224.701+/-40.077 χ^2/NDF: 33.9/31

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -262.026+/-39.212 χ^2/NDF: 42.6/36

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

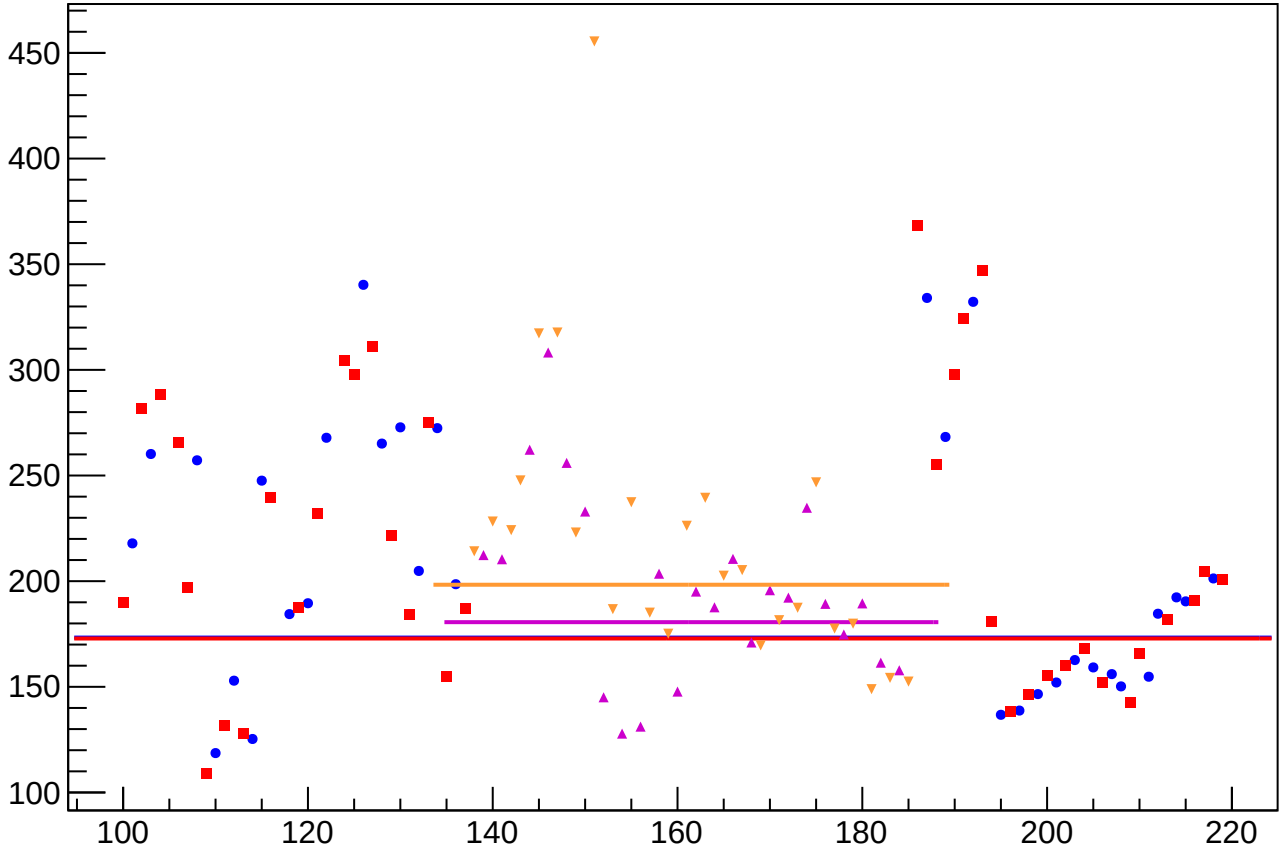
Right: -243.771+/-28.028 χ^2/NDF: 77.0/68

In: -67.639+/-29.653 χ^2/NDF:75.7/54

Out: -92.229+/-30.033 χ^2/NDF:97.5/61

All: -79.777+/-21.101 χ^2/NDF: 173.6/116

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.305+/-0.028 χ^2/NDF: 2341473.6/31

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 172.866+/-0.028 χ^2/NDF: 3035159.2/36

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

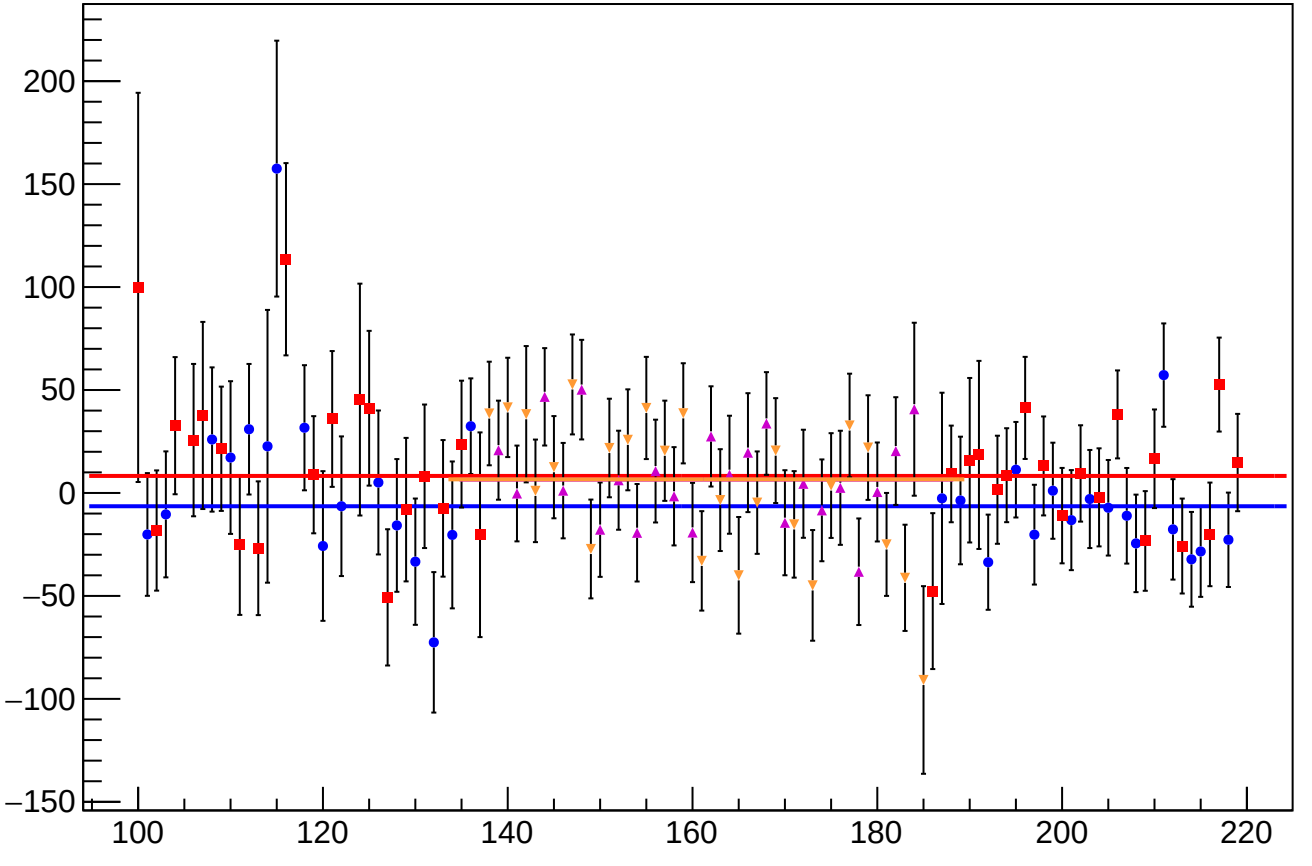
Right: 173.081+/-0.020 χ^2/NDF: 5376755.2/68

In: 176.607+/-0.021 χ^2/NDF:3999543.9/54

Out: 183.385+/-0.021 χ^2/NDF:5173600.2/61

All: 179.953+/-0.015 χ^2/NDF: 9224724.9/116

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.451+/-4.937 χ^2/NDF: 32.1/31

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 8.272+/-4.795 χ^2/NDF: 32.6/36

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

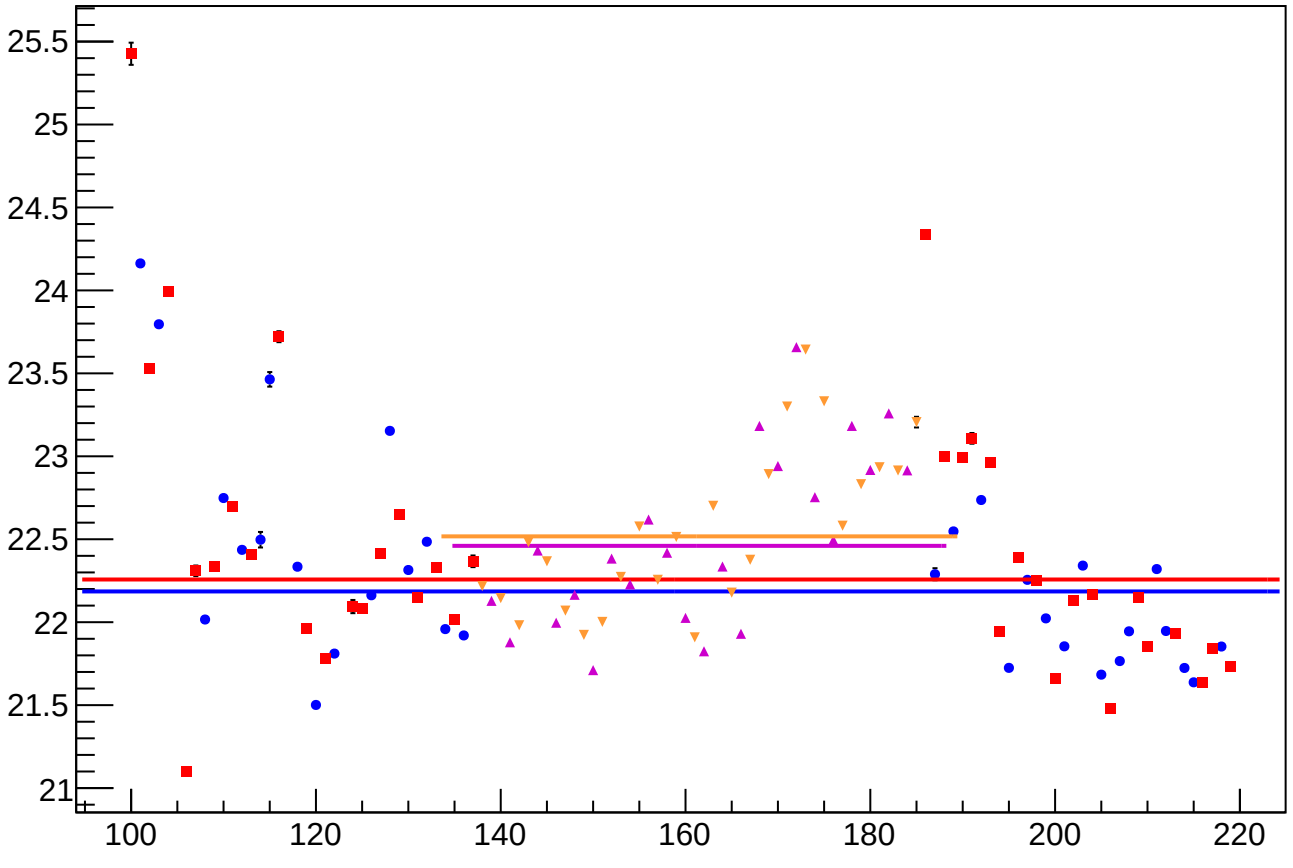
Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

Right: 1.125+/-3.439 χ^2/NDF: 69.3/68

In: -0.378+/-3.595 χ^2/NDF:52.8/54

Out: 7.496+/-3.499 χ^2/NDF:69.5/61

All: 3.666+/-2.507 χ^2/NDF: 124.8/116



Right In: 22.185+/-0.003 χ^2/NDF: 26490.2/31

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.257+/-0.003 χ^2/NDF: 36187.9/36

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

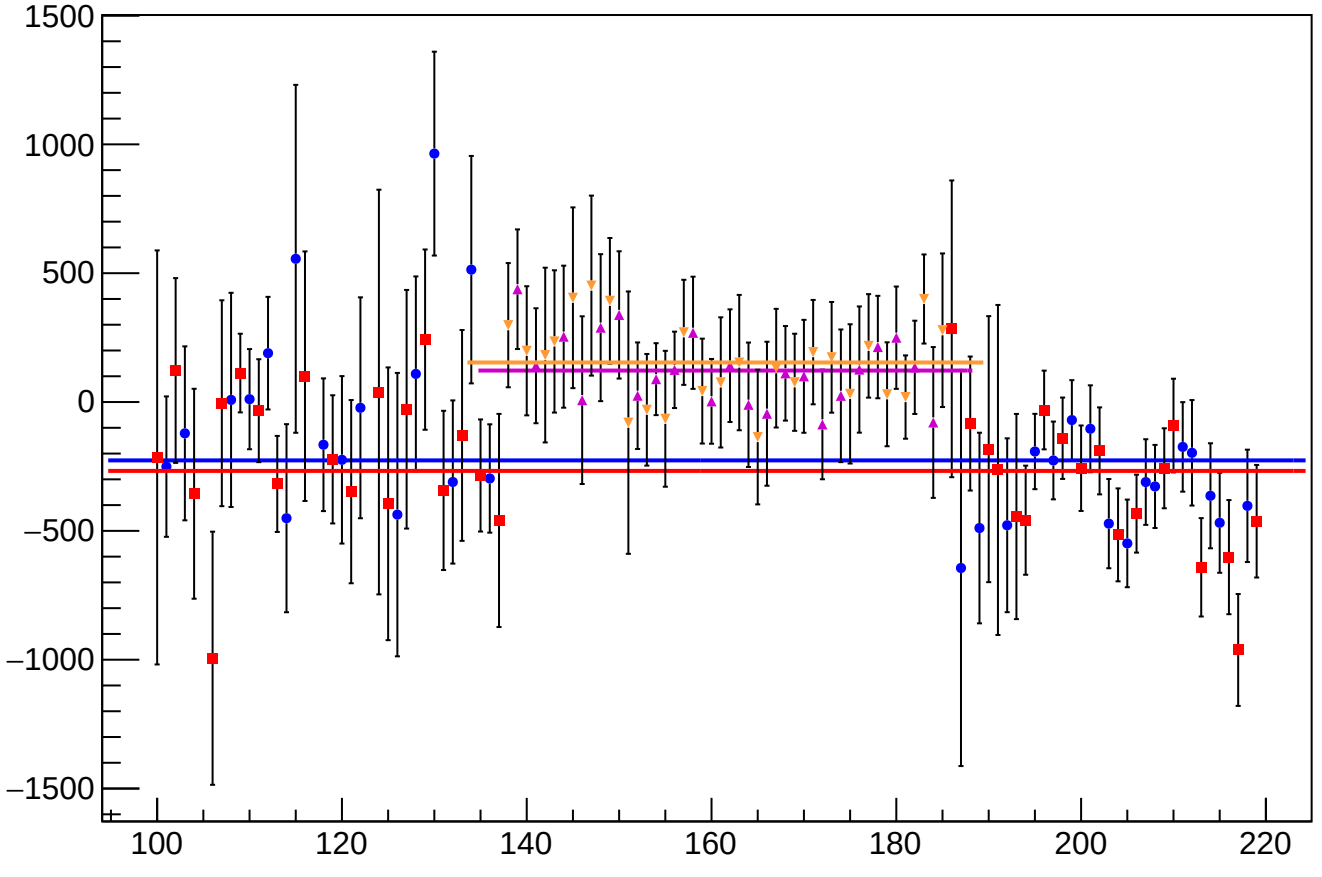
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.222+/-0.002 χ^2/NDF: 62897.1/68

In: 22.314+/-0.003 χ^2/NDF:48518.8/54

Out: 22.379+/-0.002 χ^2/NDF:54940.1/61

All: 22.348+/-0.002 χ^2/NDF: 103789.5/116



Right In: -226.488+/-39.962 χ^2/NDF: 32.5/31

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -267.242+/-39.058 χ^2/NDF: 42.1/36

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

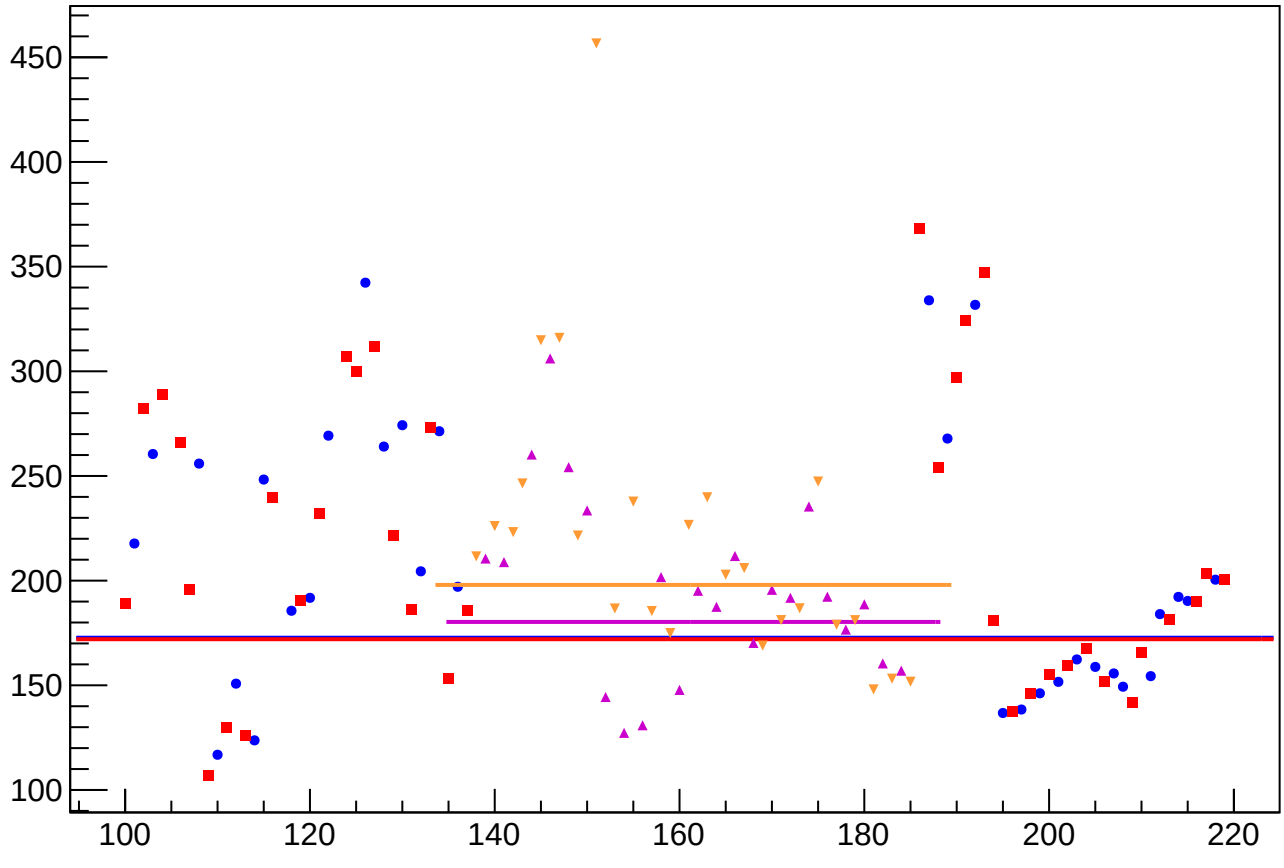
Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

Right: -247.332+/-27.932 χ^2/NDF: 75.1/68

In: -68.915+/-29.584 χ^2/NDF:74.4/54

Out: -93.788+/-29.943 χ^2/NDF:100.0/61

All: -81.201+/-21.045 χ^2/NDF: 174.7/116



Right In: 172.731+/-0.028 χ^2/NDF: 2373287.4/31

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 172.020+/-0.028 χ^2/NDF: 3108125.6/36

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

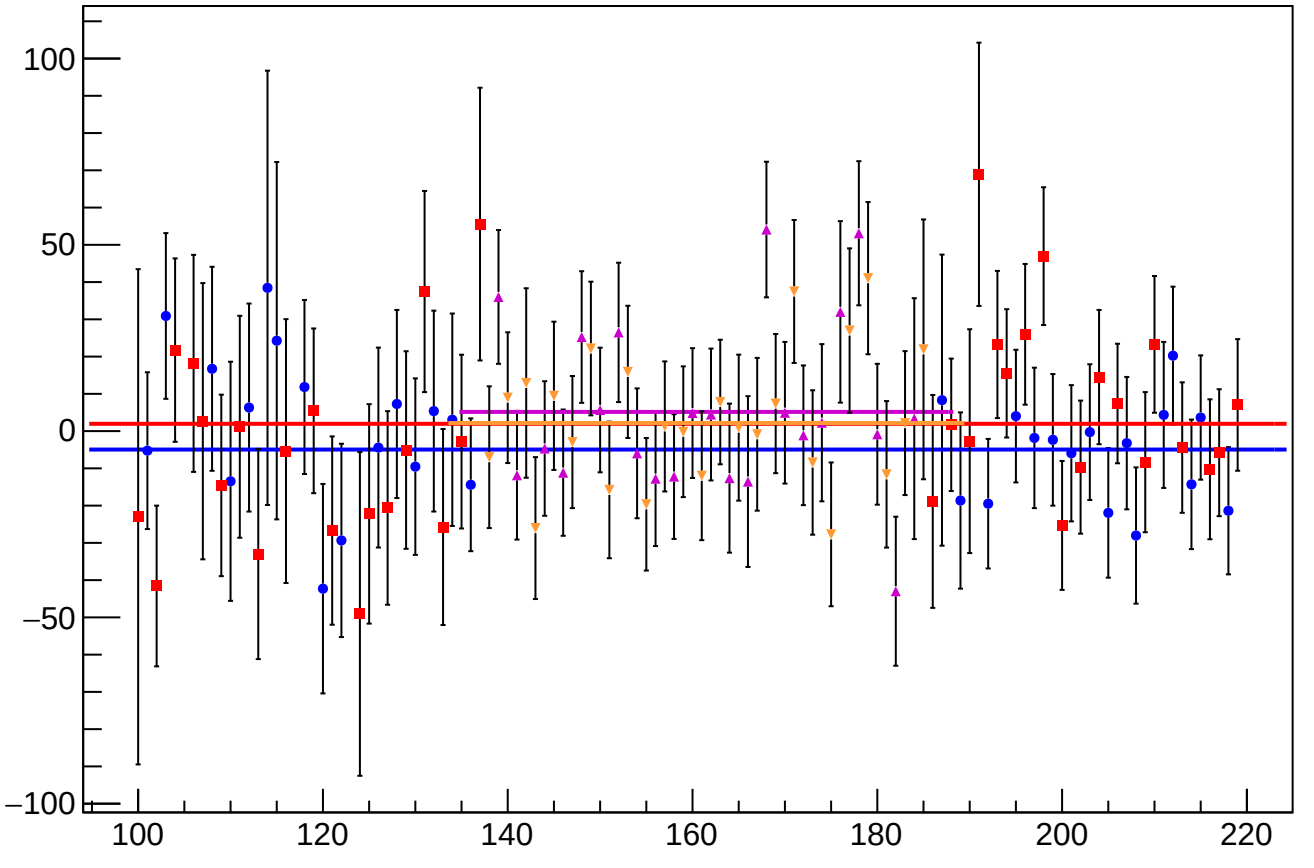
Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

Right: 172.367+/-0.020 χ^2/NDF: 5481736.1/68

In: 176.140+/-0.021 χ^2/NDF:4030180.5/54

Out: 182.713+/-0.021 χ^2/NDF:5263074.2/61

All: 179.387+/-0.015 χ^2/NDF: 9342020.6/116



Right In: -4.950+/-3.782 χ^2/NDF: 16.0/31

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: 1.961+/-3.668 χ^2/NDF: 35.9/36

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

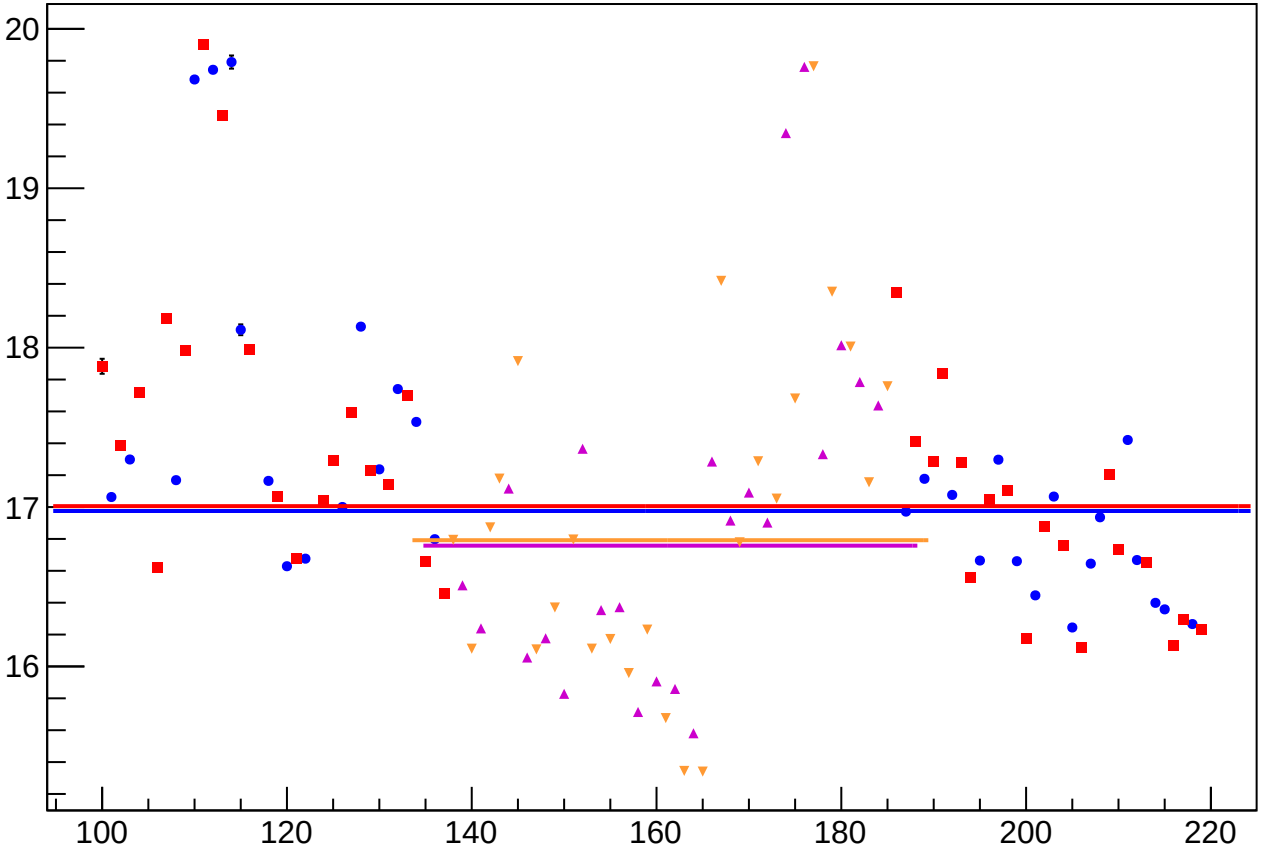
Right: -1.389+/-2.633 χ^2/NDF: 53.6/68

In: -0.086+/-2.723 χ^2/NDF:51.7/54

Out: 2.063+/-2.647 χ^2/NDF:55.9/61

All: 1.019+/-1.898 χ^2/NDF: 107.9/116

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.975+/-0.003 χ^2/NDF: 65937.7/31

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.006+/-0.003 χ^2/NDF: 80656.9/36

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

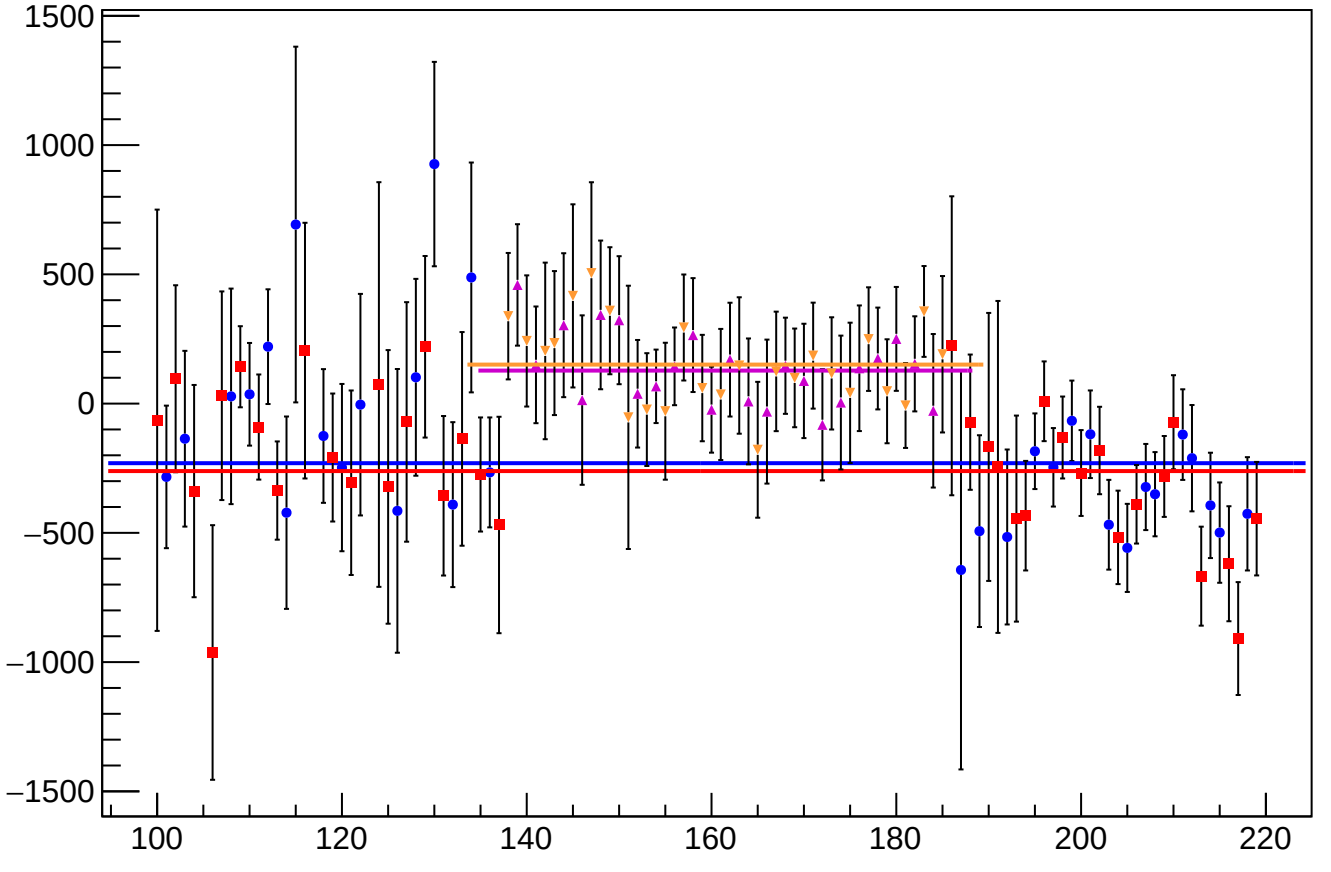
Right: 16.991+/-0.002 χ^2/NDF: 146661.1/68

In: 16.871+/-0.002 χ^2/NDF:192430.2/54

Out: 16.903+/-0.002 χ^2/NDF:220909.7/61

All: 16.887+/-0.001 χ^2/NDF: 413488.6/116

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -230.479+/-40.193 χ^2/NDF: 34.6/31

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -261.020+/-39.334 χ^2/NDF: 41.3/36

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

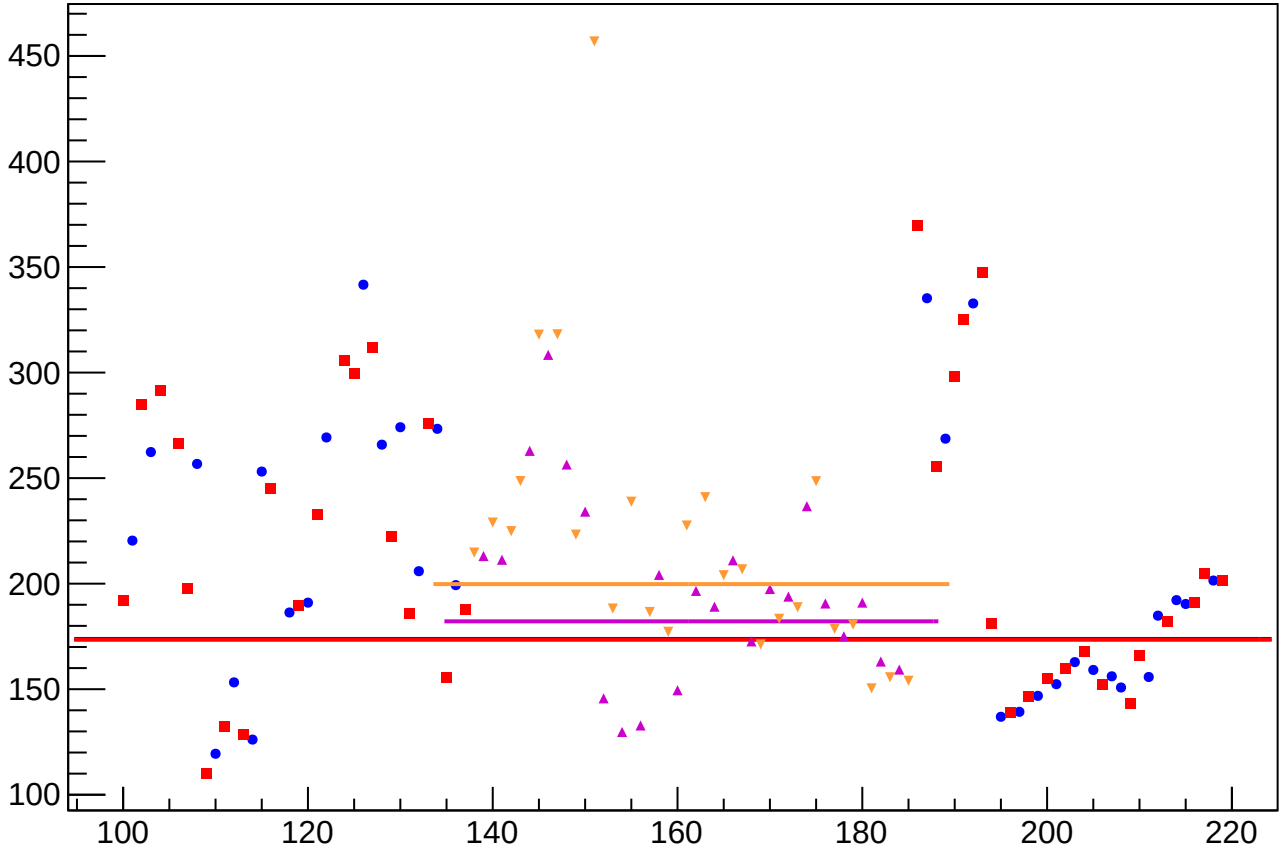
Right: -246.080+/-28.112 χ^2/NDF: 76.2/68

In: -69.259+/-29.805 χ^2/NDF:78.2/54

Out: -91.505+/-30.174 χ^2/NDF:96.4/61

All: -80.245+/-21.205 χ^2/NDF: 174.8/116

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.804+/-0.028 χ^2/NDF: 2347149.8/31

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 173.427+/-0.028 χ^2/NDF: 3036505.4/36

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

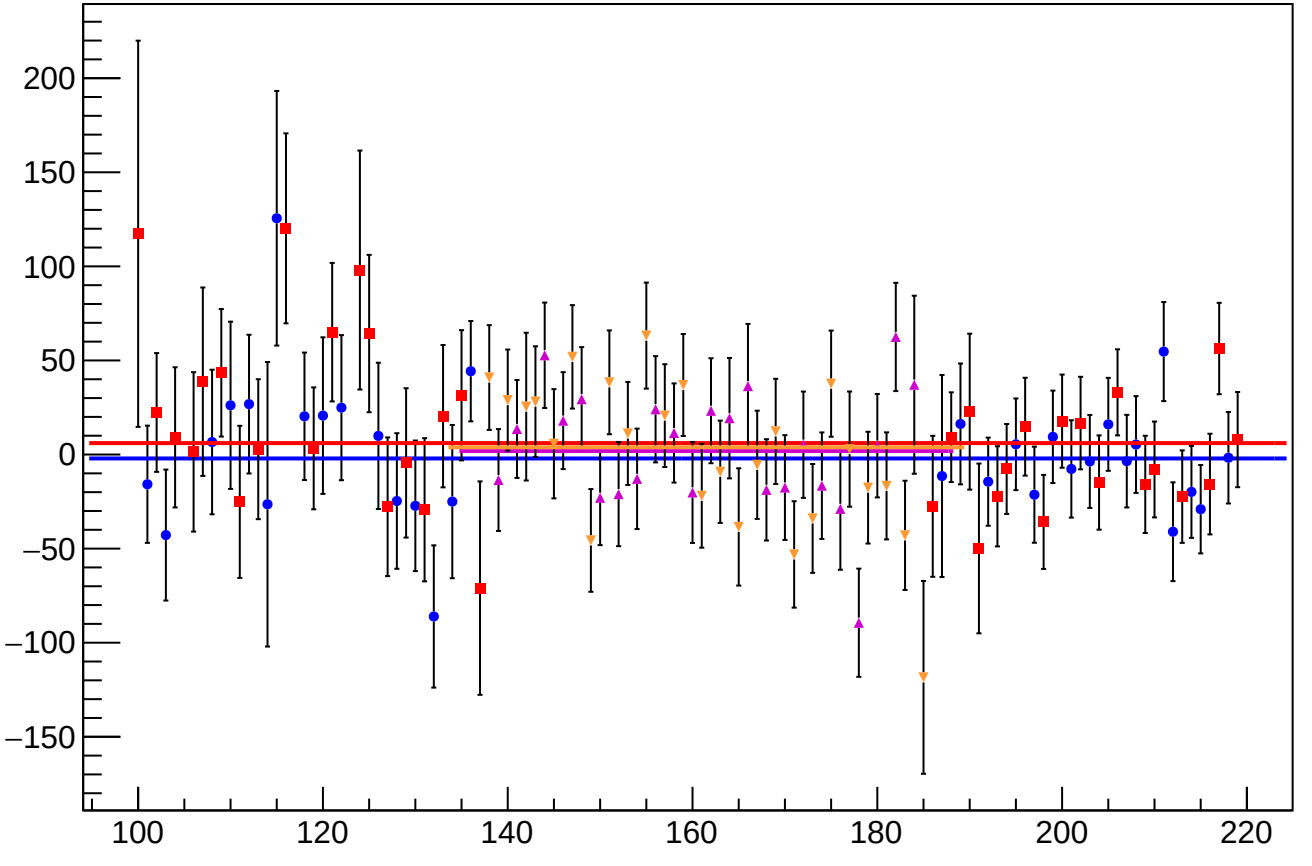
Right: 173.612+/-0.020 χ^2/NDF: 5383745.1/68

In: 177.561+/-0.021 χ^2/NDF:3970321.6/54

Out: 184.274+/-0.021 χ^2/NDF:5166412.6/61

All: 180.876+/-0.015 χ^2/NDF: 9186850.8/116

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.090+/-5.323 χ^2/NDF: 27.7/31

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 6.078+/-5.149 χ^2/NDF: 36.5/36

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

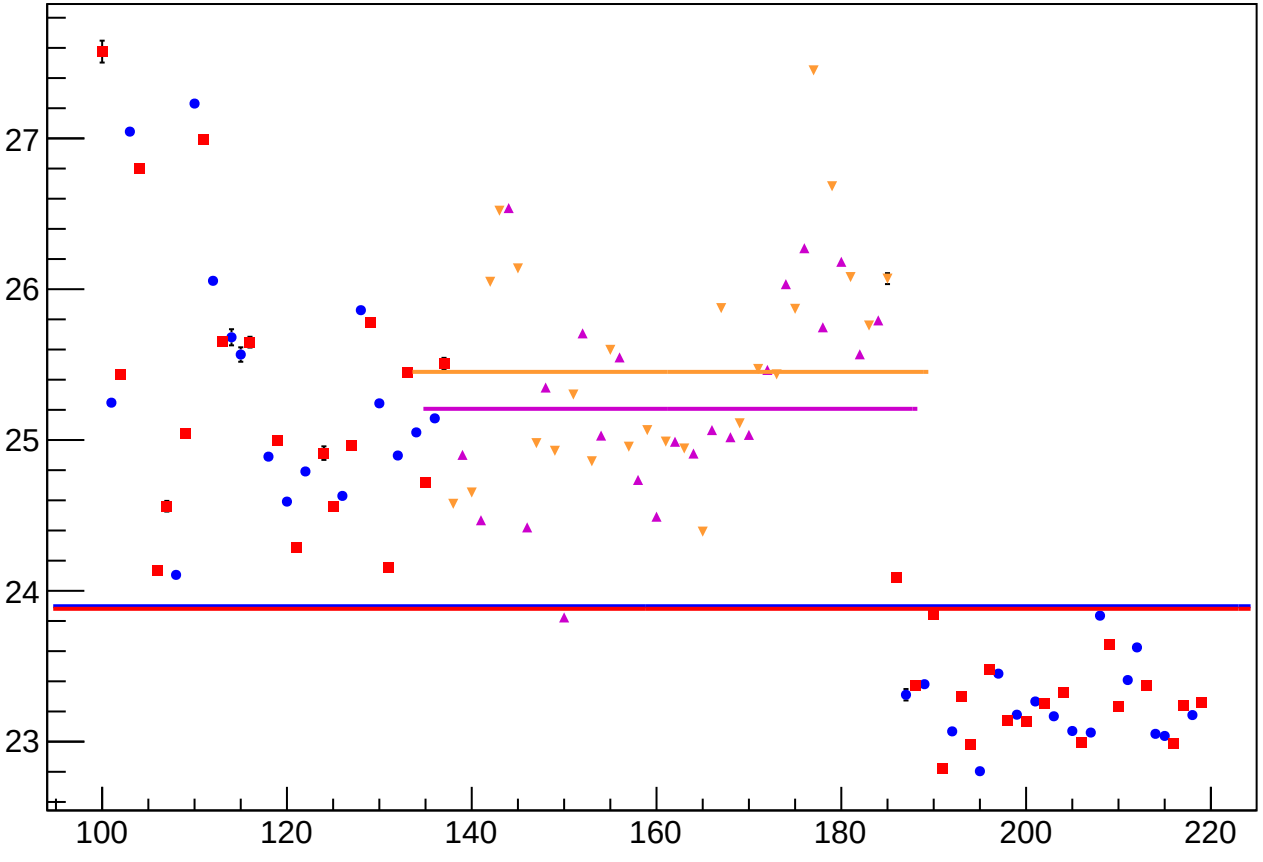
Right: 2.130+/-3.701 χ^2/NDF: 65.4/68

In: -0.319+/-3.950 χ^2/NDF:56.0/54

Out: 5.085+/-3.847 χ^2/NDF:74.2/61

All: 2.454+/-2.756 χ^2/NDF: 131.1/116

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 23.898+/-0.004 χ^2/NDF: 85870.3/31

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 23.881+/-0.004 χ^2/NDF: 80045.1/36

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

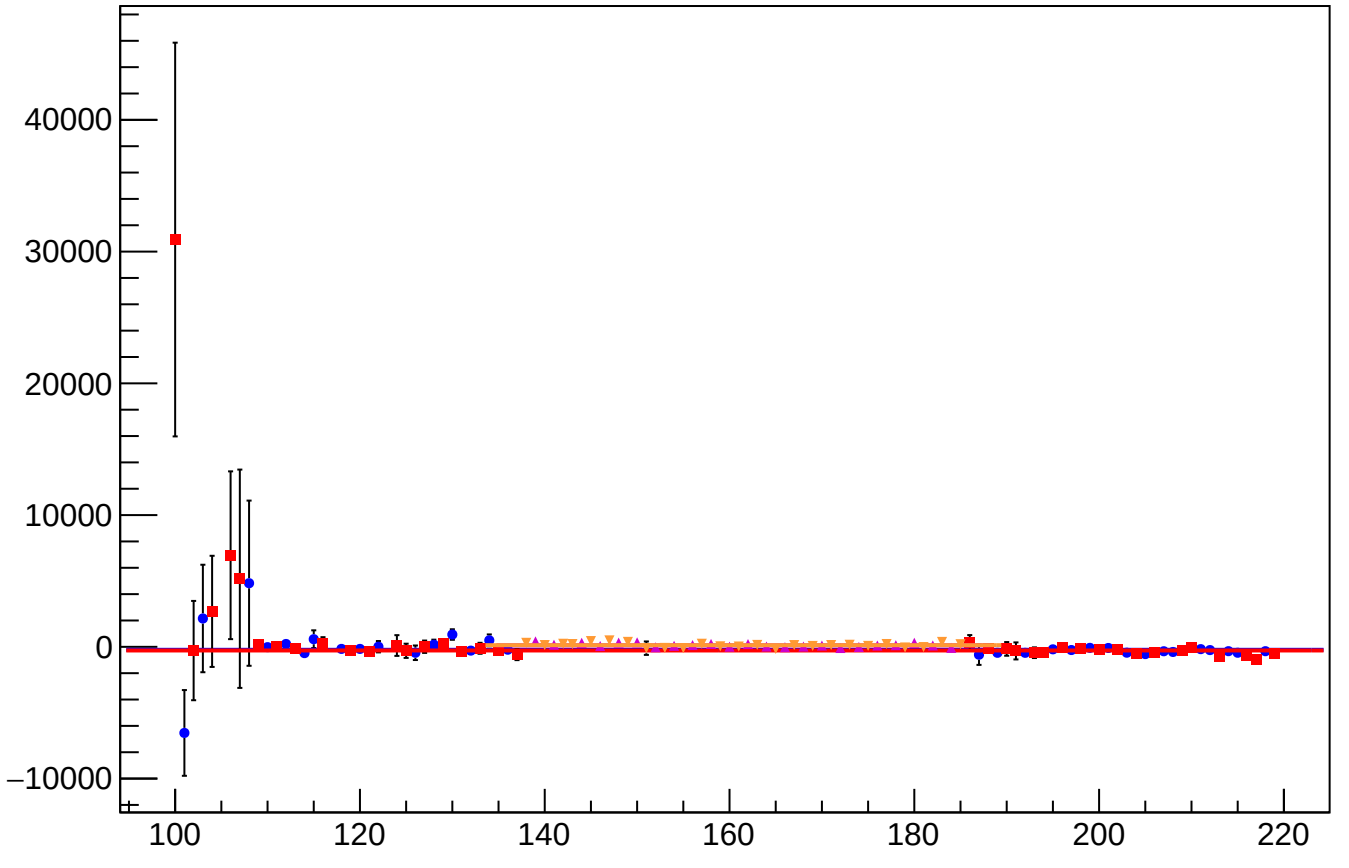
Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

Right: 23.889+/-0.003 χ^2/NDF: 165926.1/68

In: 24.486+/-0.003 χ^2/NDF:166031.0/54

Out: 24.575+/-0.003 χ^2/NDF:191905.1/61

All: 24.532+/-0.002 χ^2/NDF: 358452.9/116



Right In: -225.728+/-41.812 χ^2/NDF: 35.3/31

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -276.074+/-41.344 χ^2/NDF: 46.4/36

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

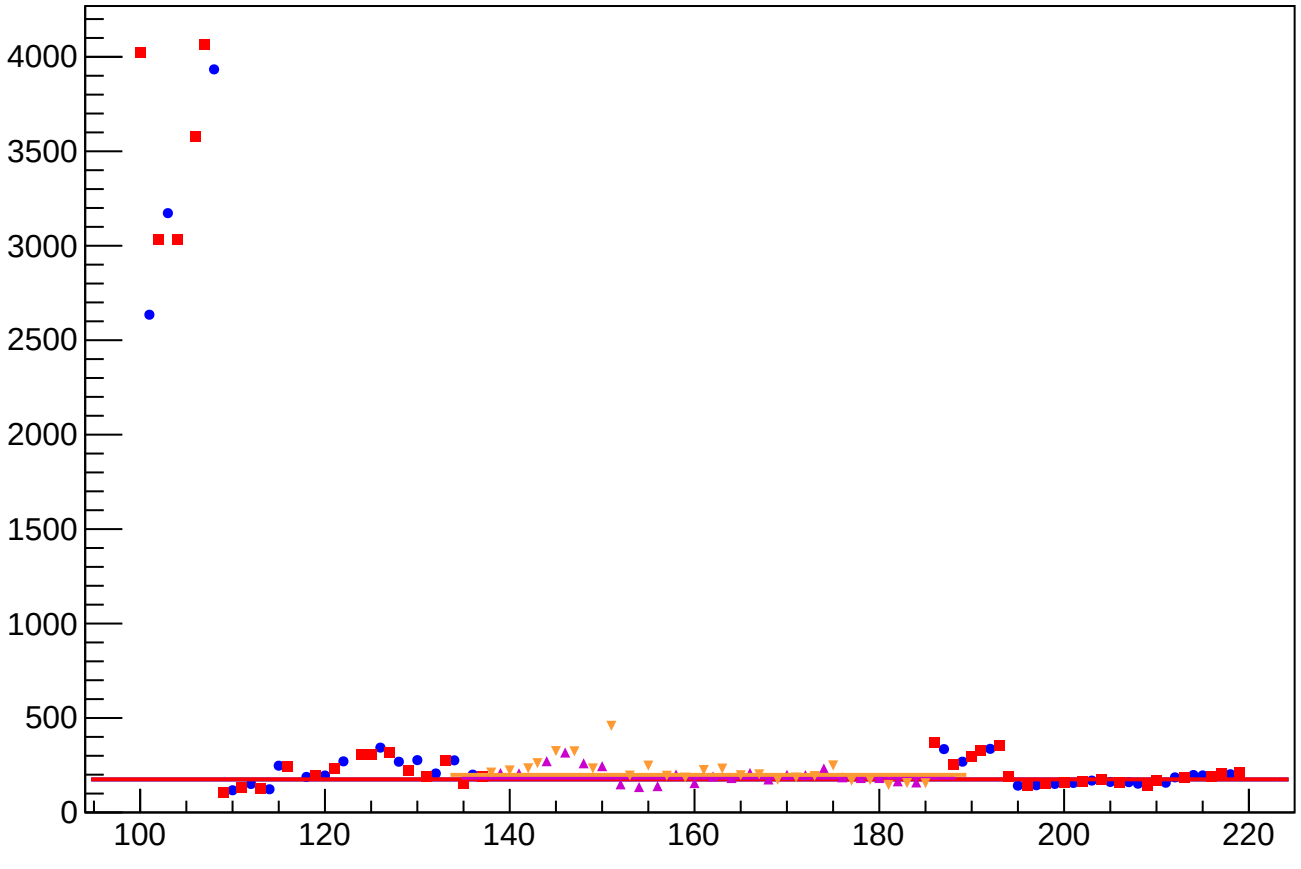
Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

Right: -251.185+/-29.399 χ^2/NDF: 82.4/68

In: -66.310+/-30.590 χ^2/NDF:74.6/54

Out: -100.729+/-31.021 χ^2/NDF:98.6/61

All: -83.279+/-21.781 χ^2/NDF: 173.8/116



Right In: 174.551+/-0.030 χ^2/NDF: 4969849.2/31

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 175.248+/-0.029 χ^2/NDF: 5693751.9/36

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

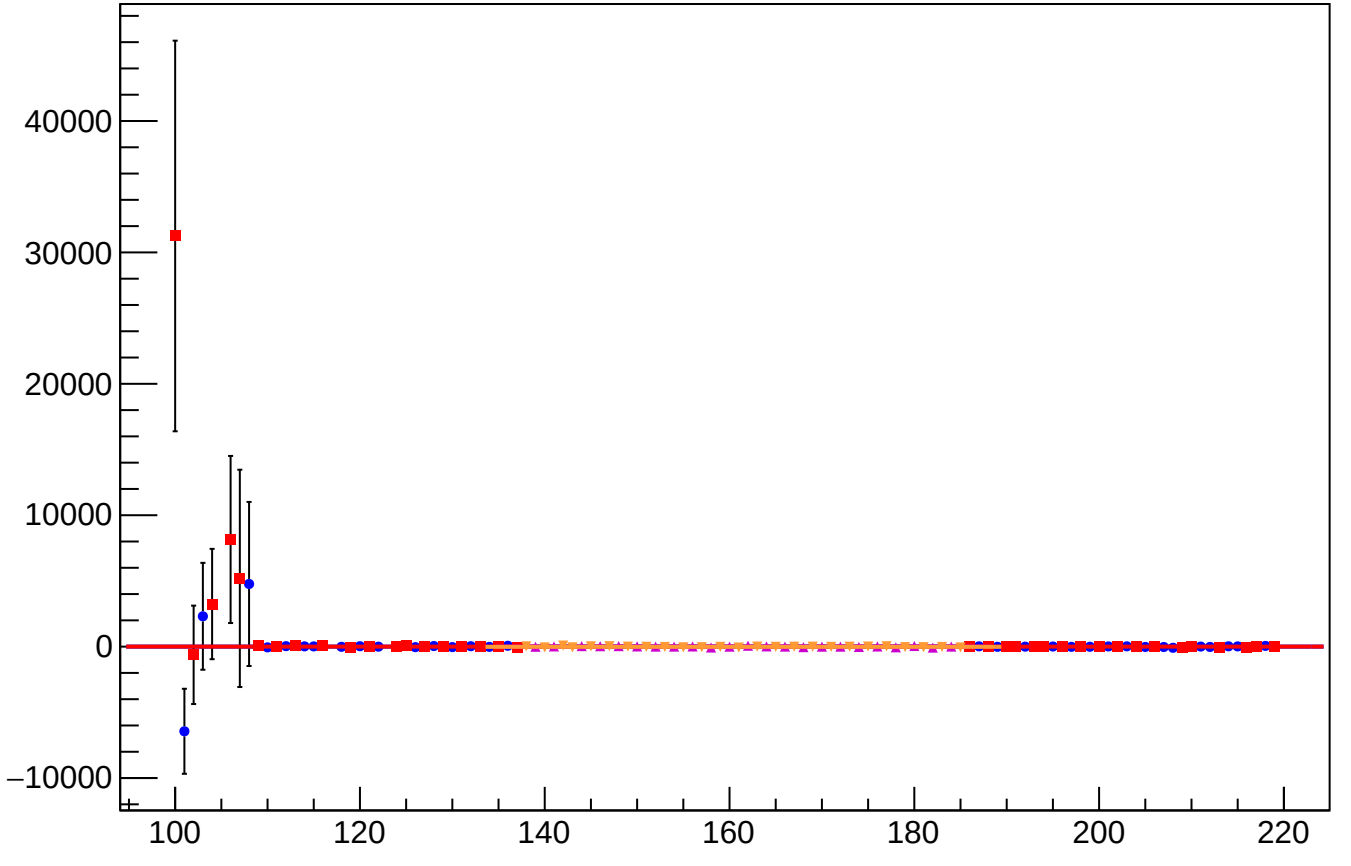
Right: 174.904+/-0.021 χ^2/NDF: 10663882.2/68

In: 179.128+/-0.022 χ^2/NDF:6467711.8/54

Out: 185.626+/-0.022 χ^2/NDF:7884224.6/61

All: 182.331+/-0.015 χ^2/NDF: 14396422.2/11

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.098+/-6.357 χ^2/NDF: 34.2/31

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 2.084+/-6.233 χ^2/NDF: 43.4/36

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

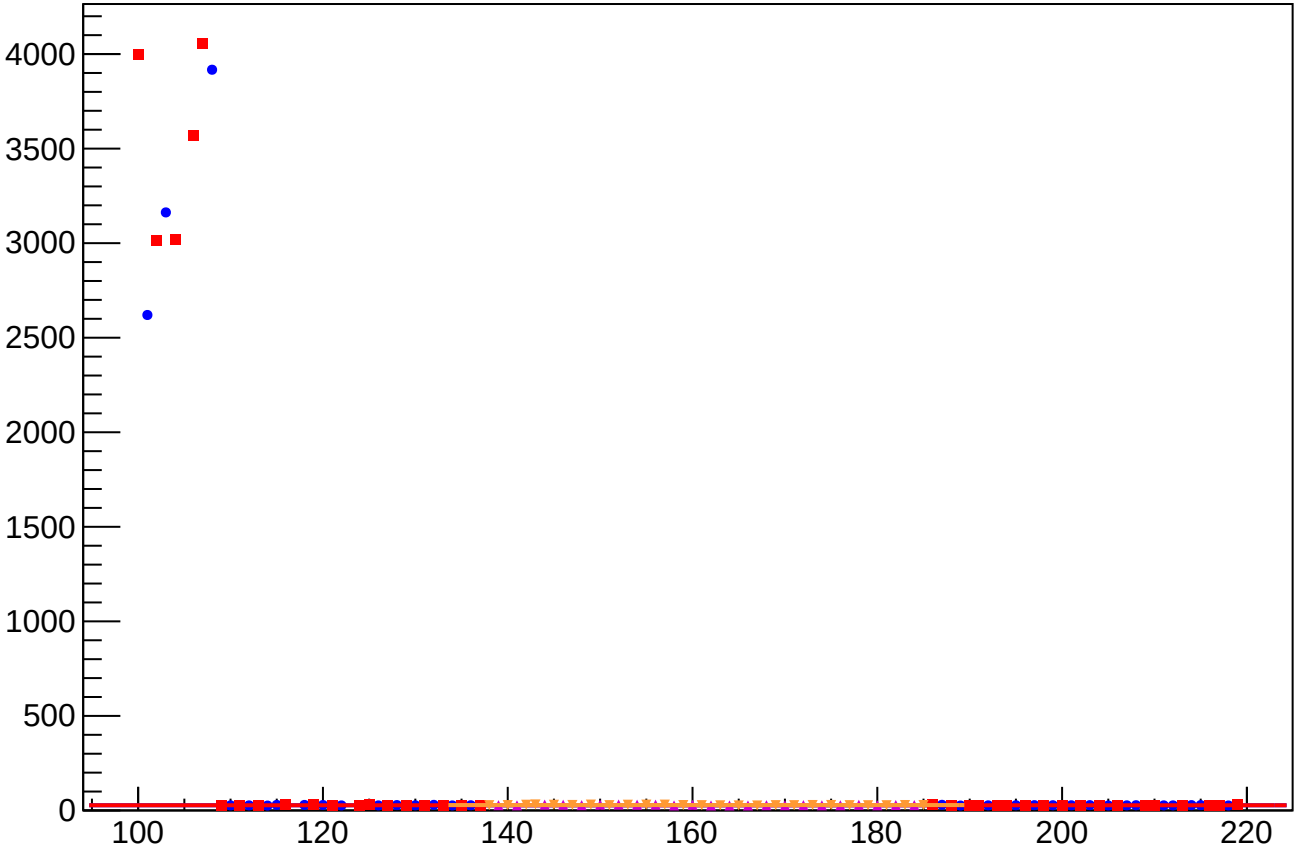
Right: 1.601+/-4.451 χ^2/NDF: 77.6/68

In: 1.607+/-4.613 χ^2/NDF:62.6/54

Out: -6.002+/-4.503 χ^2/NDF:69.1/61

All: -2.290+/-3.222 χ^2/NDF: 133.1/116

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.370+/-0.004 χ^2/NDF: 3287250.6/31

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.456+/-0.004 χ^2/NDF: 3623757.3/36

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

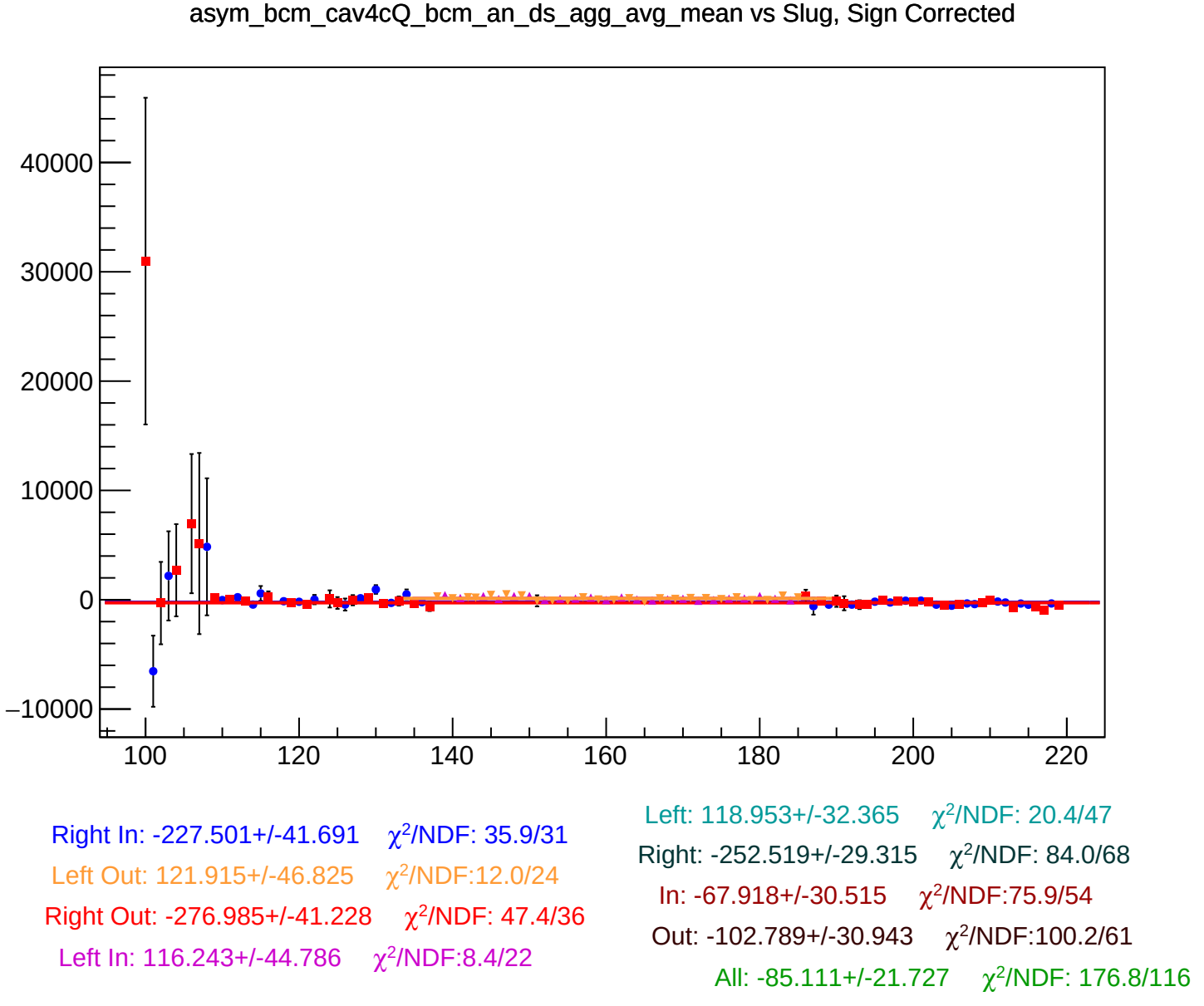
Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

Right: 27.414+/-0.003 χ^2/NDF: 6911195.7/68

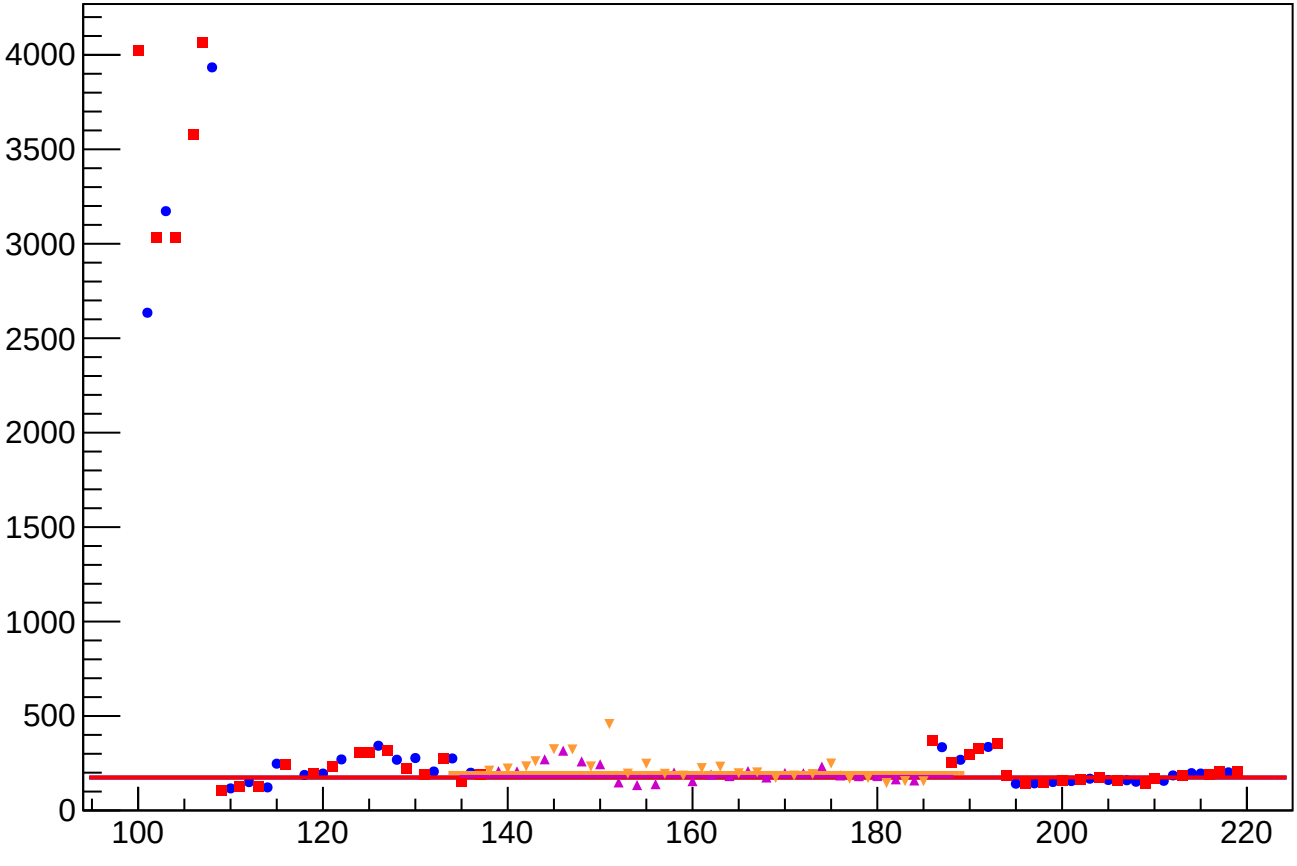
In: 27.955+/-0.003 χ^2/NDF:3445977.6/54

Out: 27.996+/-0.003 χ^2/NDF:3743299.5/61

All: 27.976+/-0.002 χ^2/NDF: 7189358.3/116


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
220
Right In: -227.501+/-41.691 χ²/NDF: 35.9/31
Left Out: 121.915+/-46.825 χ²/NDF:12.0/24
Right Out: -276.985+/-41.228 χ²/NDF: 47.4/36
Left In: 116.243+/-44.786 χ²/NDF:8.4/22
Left: 118.953+/-32.365 χ²/NDF: 20.4/47
Right: -252.519+/-29.315 χ²/NDF: 84.0/68
In: -67.918+/-30.515 χ²/NDF:75.9/54
Out: -102.789+/-30.943 χ²/NDF:100.2/61
All: -85.111+/-21.727 χ²/NDF: 176.8/116

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.010+/-0.029 χ^2/NDF: 4983632.2/31

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 174.713+/-0.029 χ^2/NDF: 5713117.1/36

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

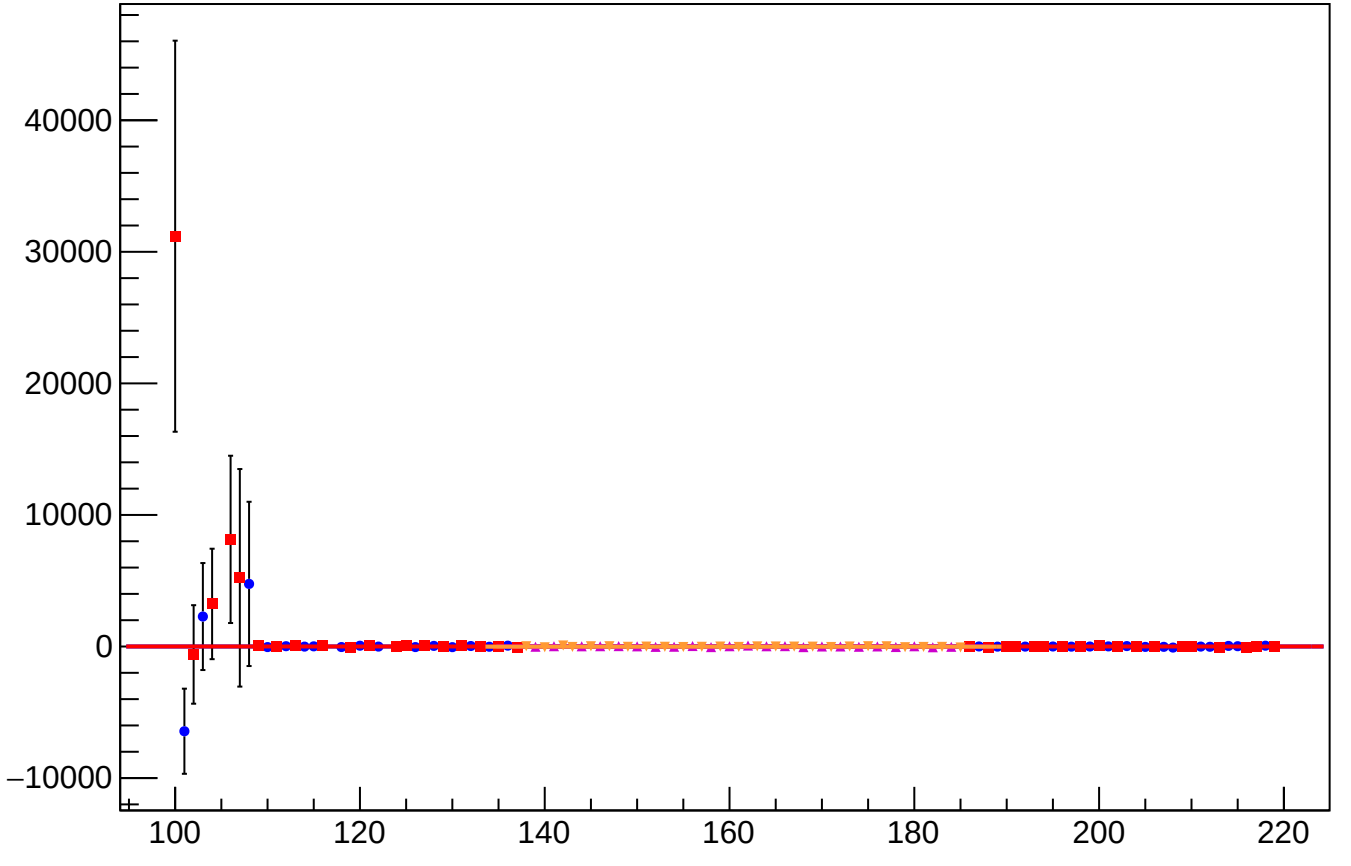
Right: 174.365+/-0.021 χ^2/NDF: 10697036.3/68

In: 178.672+/-0.022 χ^2/NDF:6482912.6/54

Out: 185.131+/-0.022 χ^2/NDF:7907095.8/61

All: 181.856+/-0.015 χ^2/NDF: 14434193.4/11

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.777+/-6.318 χ^2/NDF: 38.2/31

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 3.309+/-6.198 χ^2/NDF: 41.4/36

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

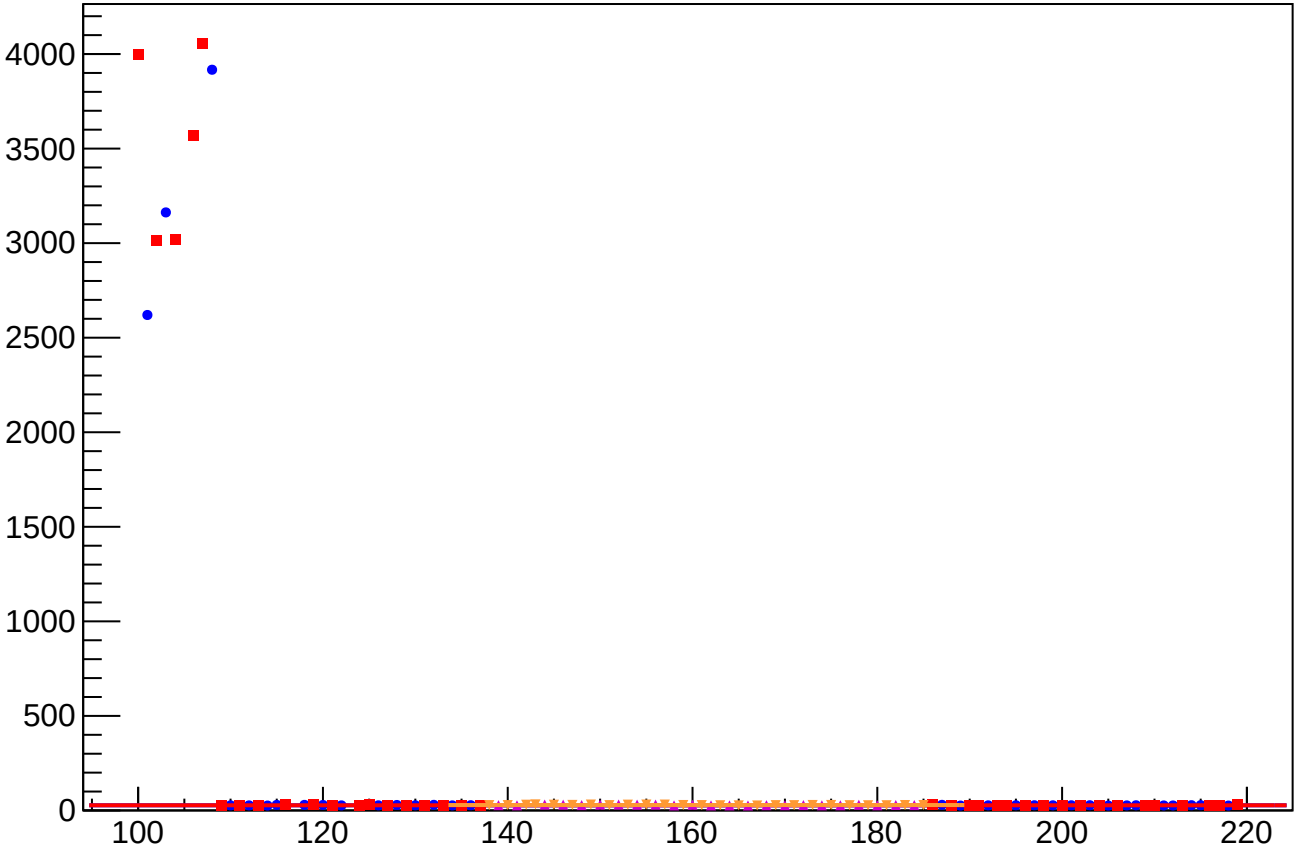
Right: 2.558+/-4.424 χ^2/NDF: 79.6/68

In: 2.151+/-4.607 χ^2/NDF:60.3/54

Out: -3.869+/-4.499 χ^2/NDF:62.1/61

All: -0.930+/-3.219 χ^2/NDF: 123.3/116

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.196+/-0.004 χ^2/NDF: 3295459.4/31

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.302+/-0.004 χ^2/NDF: 3626140.8/36

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

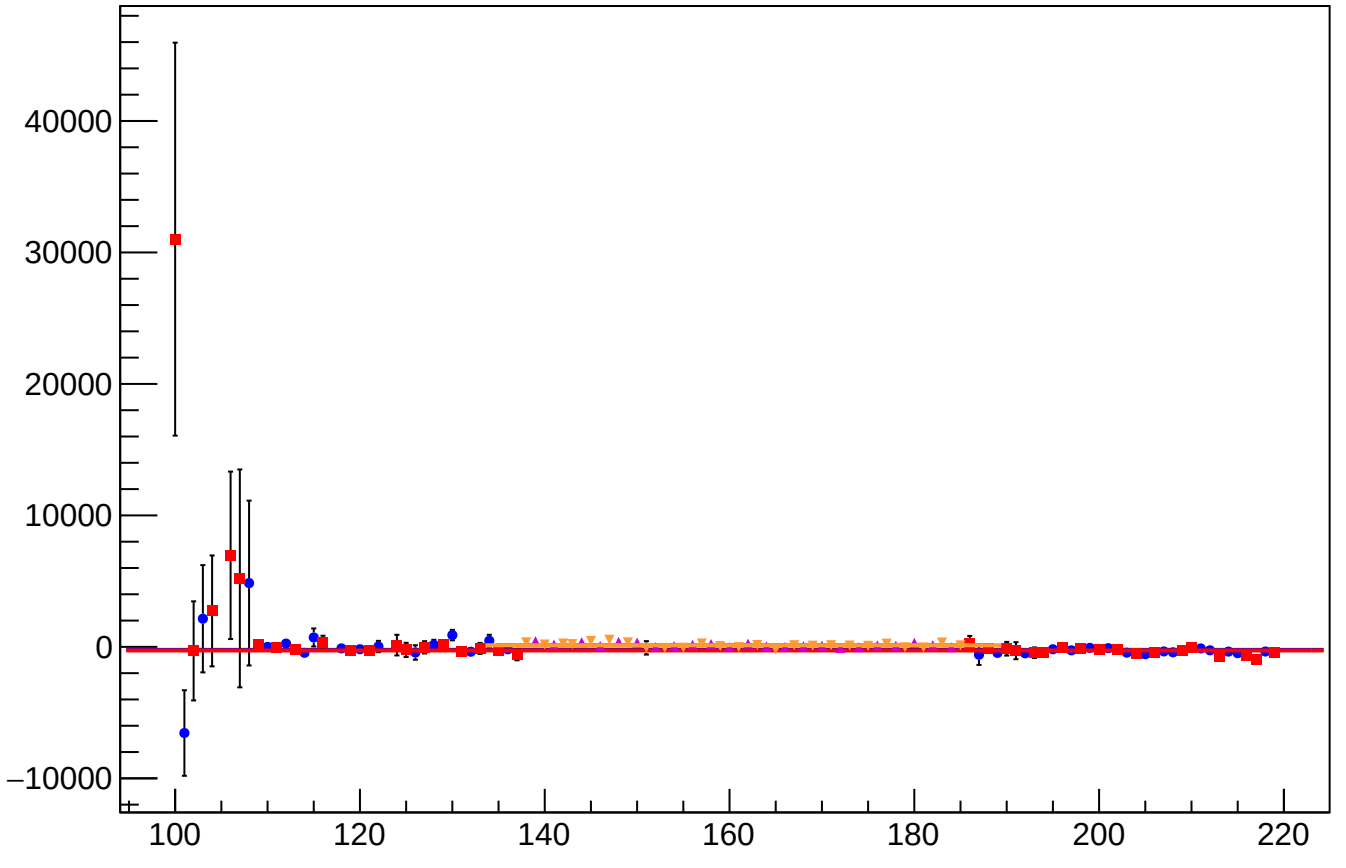
Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

Right: 27.250+/-0.003 χ^2/NDF: 6921888.1/68

In: 27.913+/-0.003 χ^2/NDF:3477911.9/54

Out: 27.967+/-0.003 χ^2/NDF:3773665.9/61

All: 27.941+/-0.002 χ^2/NDF: 7251717.3/116



Right In: -228.794+/-41.986 χ^2/NDF: 37.4/31

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -271.844+/-41.536 χ^2/NDF: 44.9/36

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

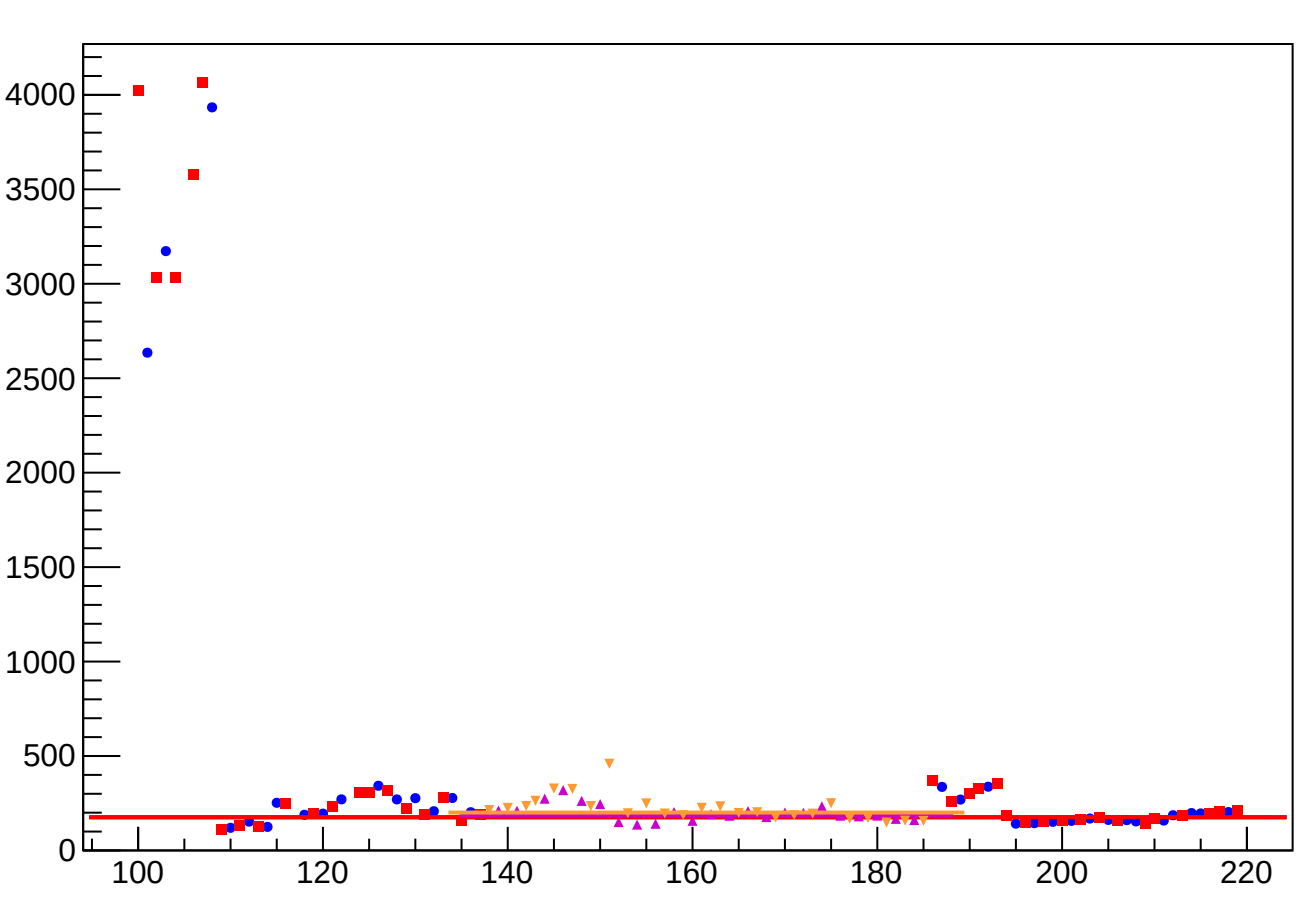
Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

Right: -250.551+/-29.528 χ^2/NDF: 82.8/68

In: -66.093+/-30.784 χ^2/NDF:78.3/54

Out: -99.991+/-31.210 χ^2/NDF:95.6/61

All: -82.809+/-21.917 χ^2/NDF: 174.5/116



Right In: 175.349+/-0.030 χ^2/NDF: 4946146.4/31

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 176.191+/-0.029 χ^2/NDF: 5648247.0/36

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

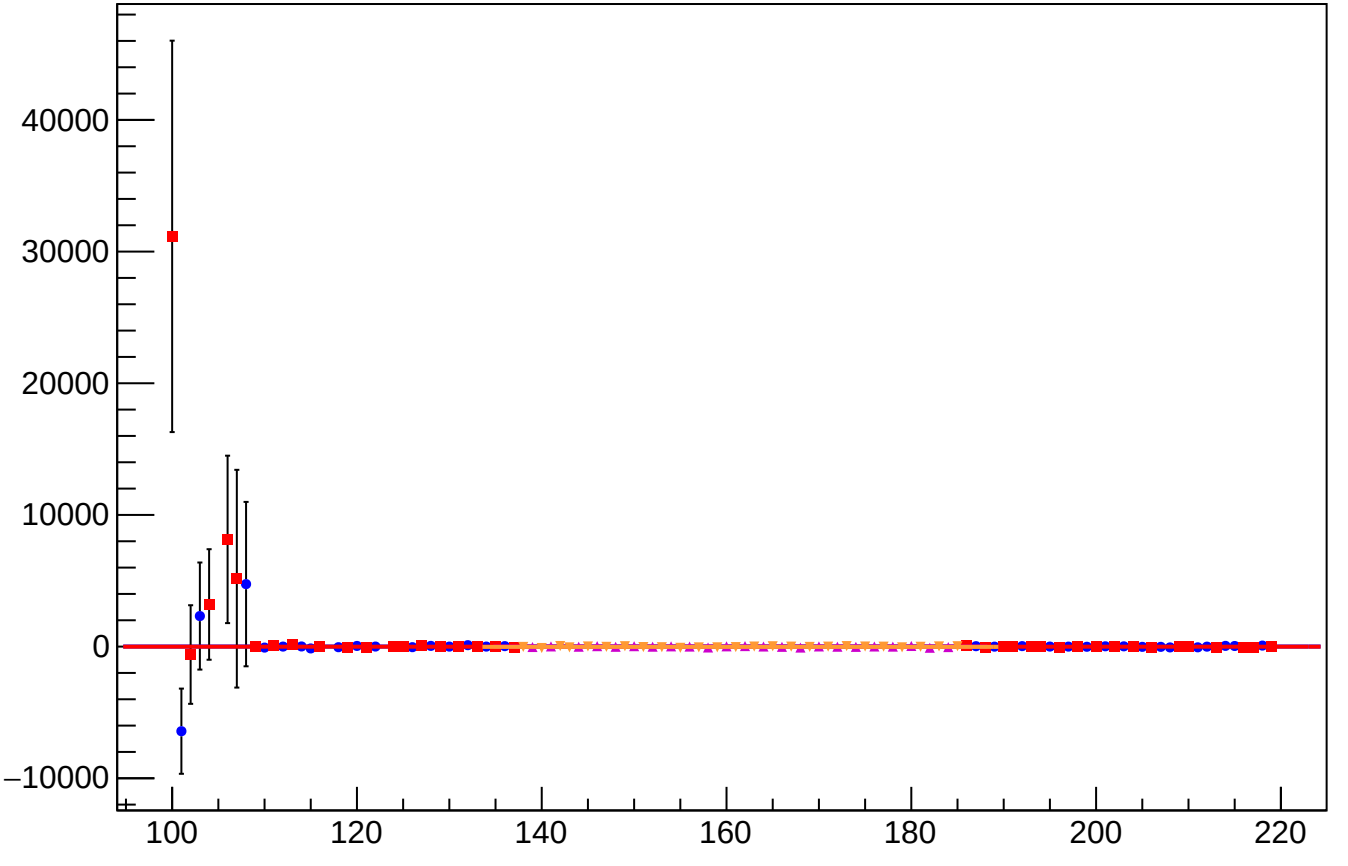
Right: 175.775+/-0.021 χ^2/NDF: 10594800.2/68

In: 180.353+/-0.022 χ^2/NDF:6420954.3/54

Out: 186.856+/-0.022 χ^2/NDF:7831153.1/61

All: 183.560+/-0.015 χ^2/NDF: 14296125.7/11

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.785+/-7.708 χ^2/NDF: 34.2/31

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -6.079+/-7.555 χ^2/NDF: 39.3/36

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

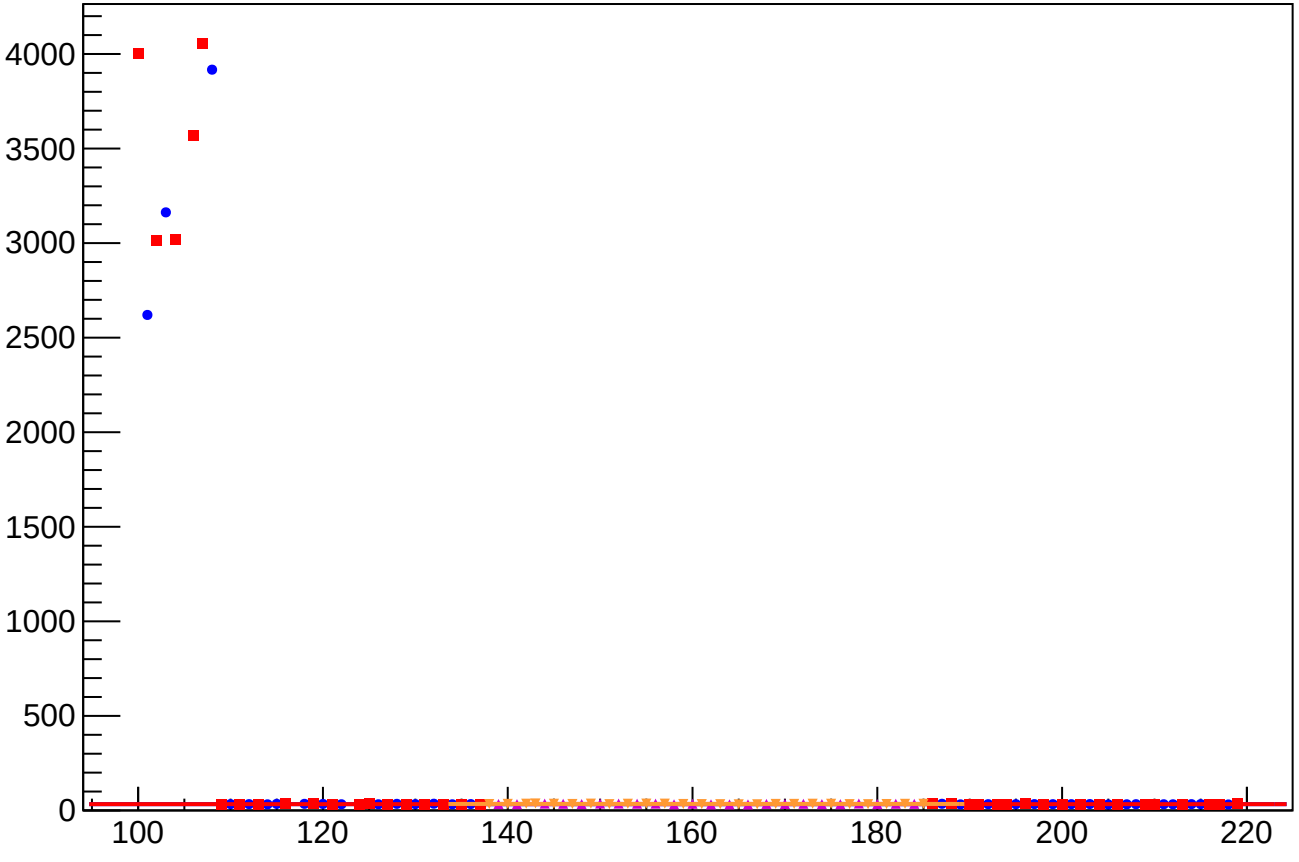
Right: 0.224+/-5.396 χ^2/NDF: 74.9/68

In: 1.635+/-5.578 χ^2/NDF:54.1/54

Out: -13.378+/-5.439 χ^2/NDF:64.1/61

All: -6.062+/-3.894 χ^2/NDF: 122.0/116

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.210+/-0.005 χ^2/NDF: 3261405.7/31

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.331+/-0.005 χ^2/NDF: 3563378.2/36

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

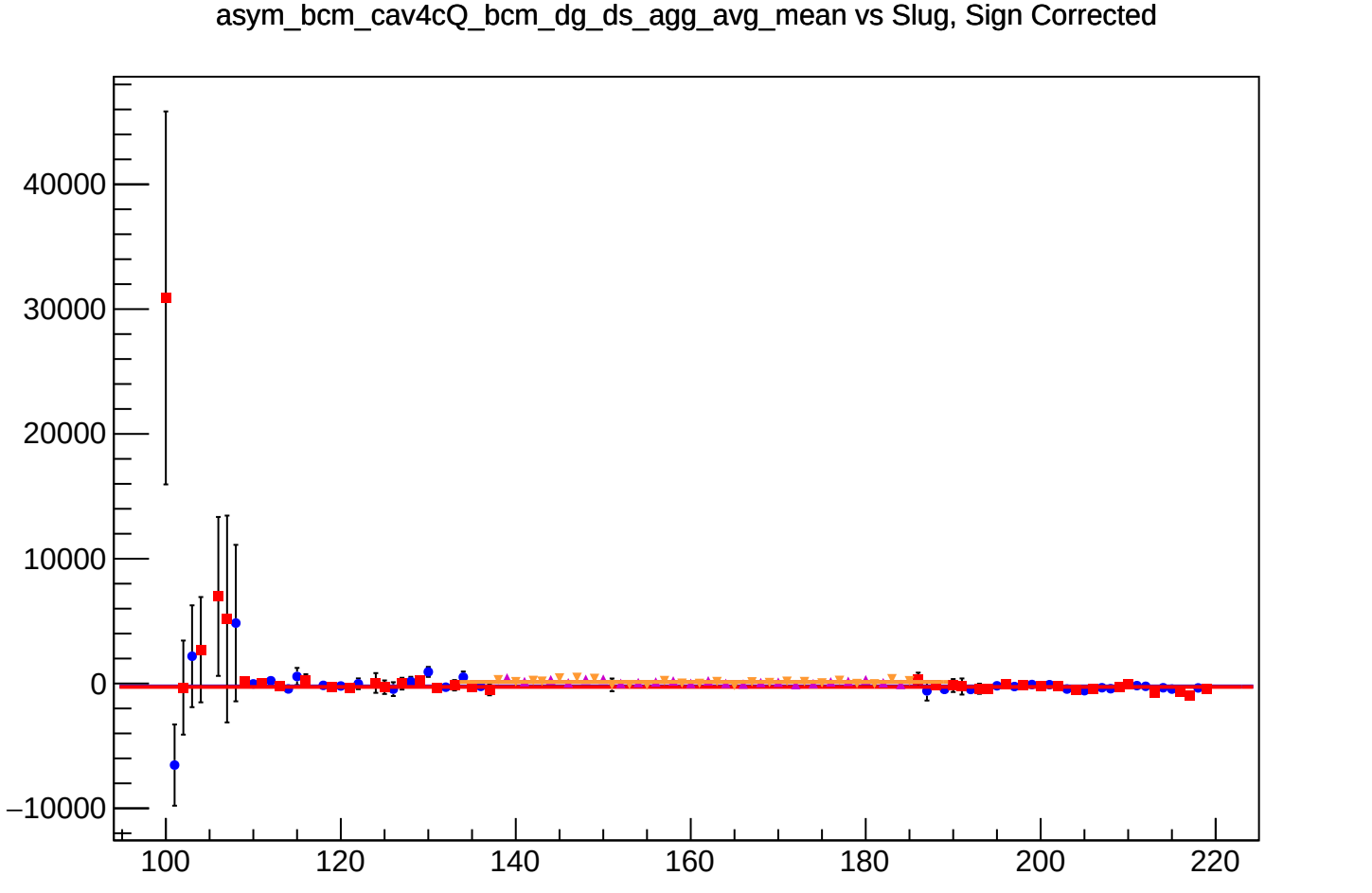
Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

Right: 33.272+/-0.004 χ^2/NDF: 6825035.1/68

In: 33.849+/-0.004 χ^2/NDF:3349566.8/54

Out: 33.865+/-0.004 χ^2/NDF:3628783.8/61

All: 33.857+/-0.003 χ^2/NDF: 6978358.5/116



Right In: -231.911+/-41.863 χ^2/NDF: 36.0/31

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -273.965+/-41.392 χ^2/NDF: 45.7/36

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

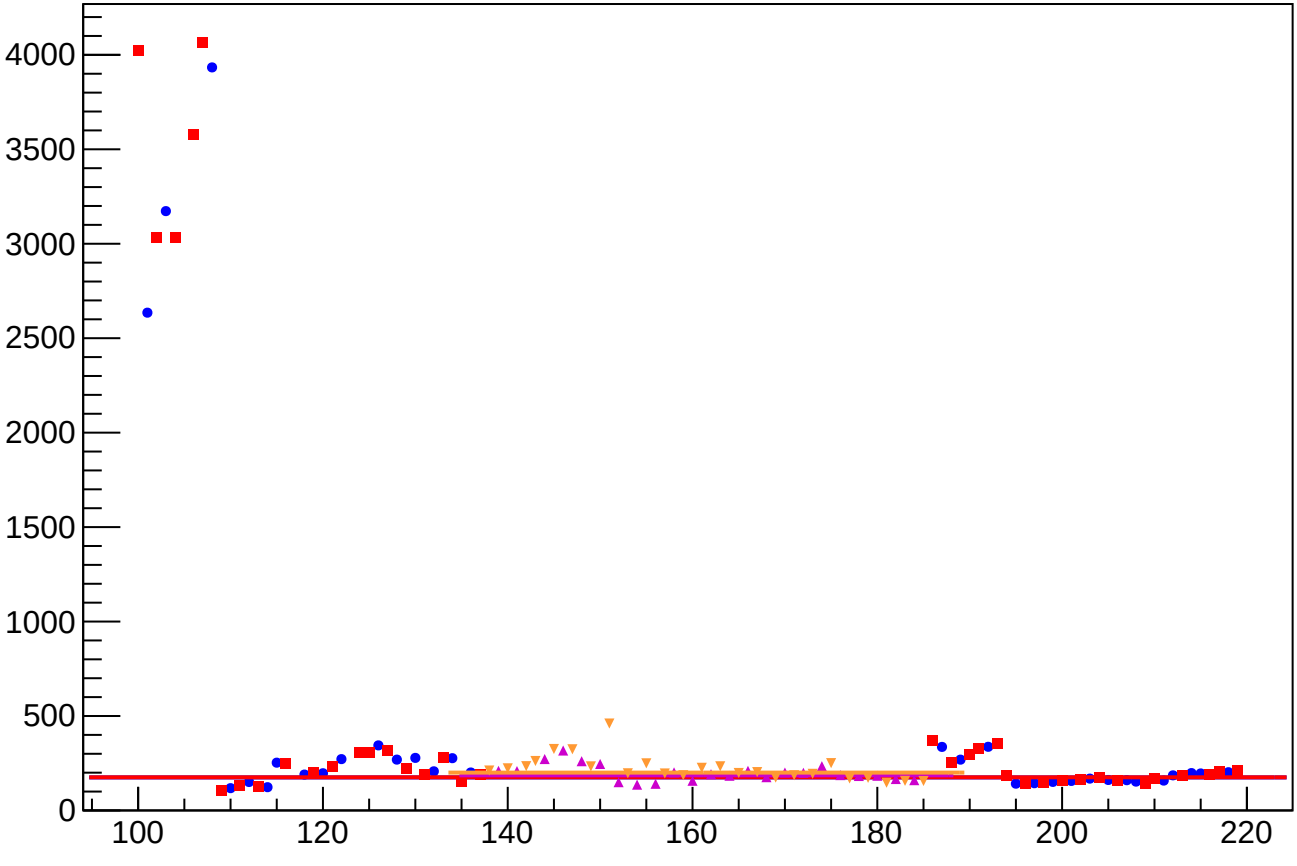
Right: -253.176+/-29.434 χ^2/NDF: 82.2/68

In: -68.121+/-30.713 χ^2/NDF:77.2/54

Out: -99.474+/-31.129 χ^2/NDF:98.2/61

All: -83.587+/-21.863 χ^2/NDF: 175.9/116

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.750+/-0.030 χ^2/NDF: 4977337.0/31

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 175.448+/-0.029 χ^2/NDF: 5700465.6/36

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

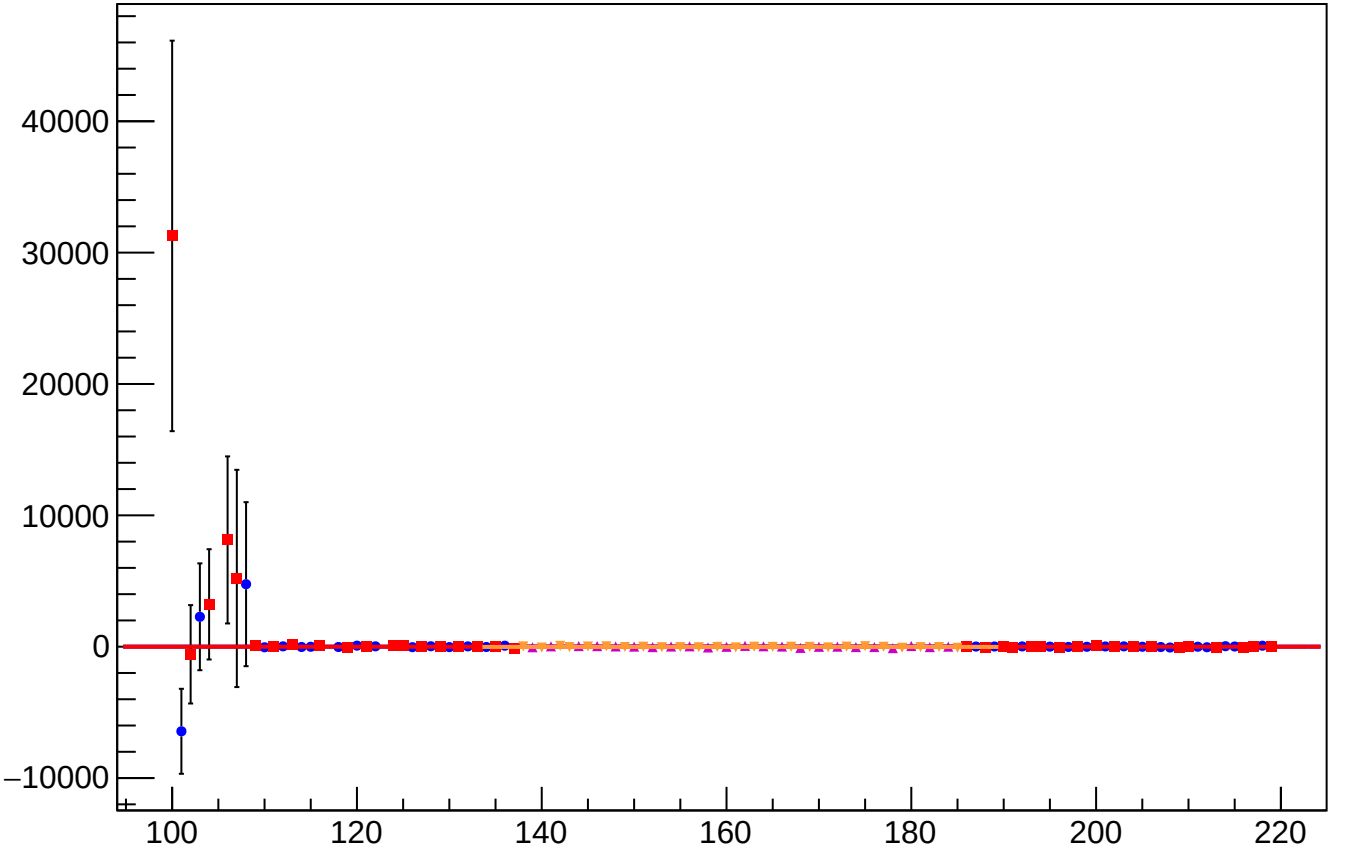
Right: 175.103+/-0.021 χ^2/NDF: 10678083.3/68

In: 179.885+/-0.022 χ^2/NDF:6448032.7/54

Out: 186.276+/-0.022 χ^2/NDF:7892030.5/61

All: 183.038+/-0.015 χ^2/NDF: 14382771.5/11

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 7.404+/-6.970 χ^2/NDF: 31.4/31

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -2.467+/-6.833 χ^2/NDF: 46.5/36

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

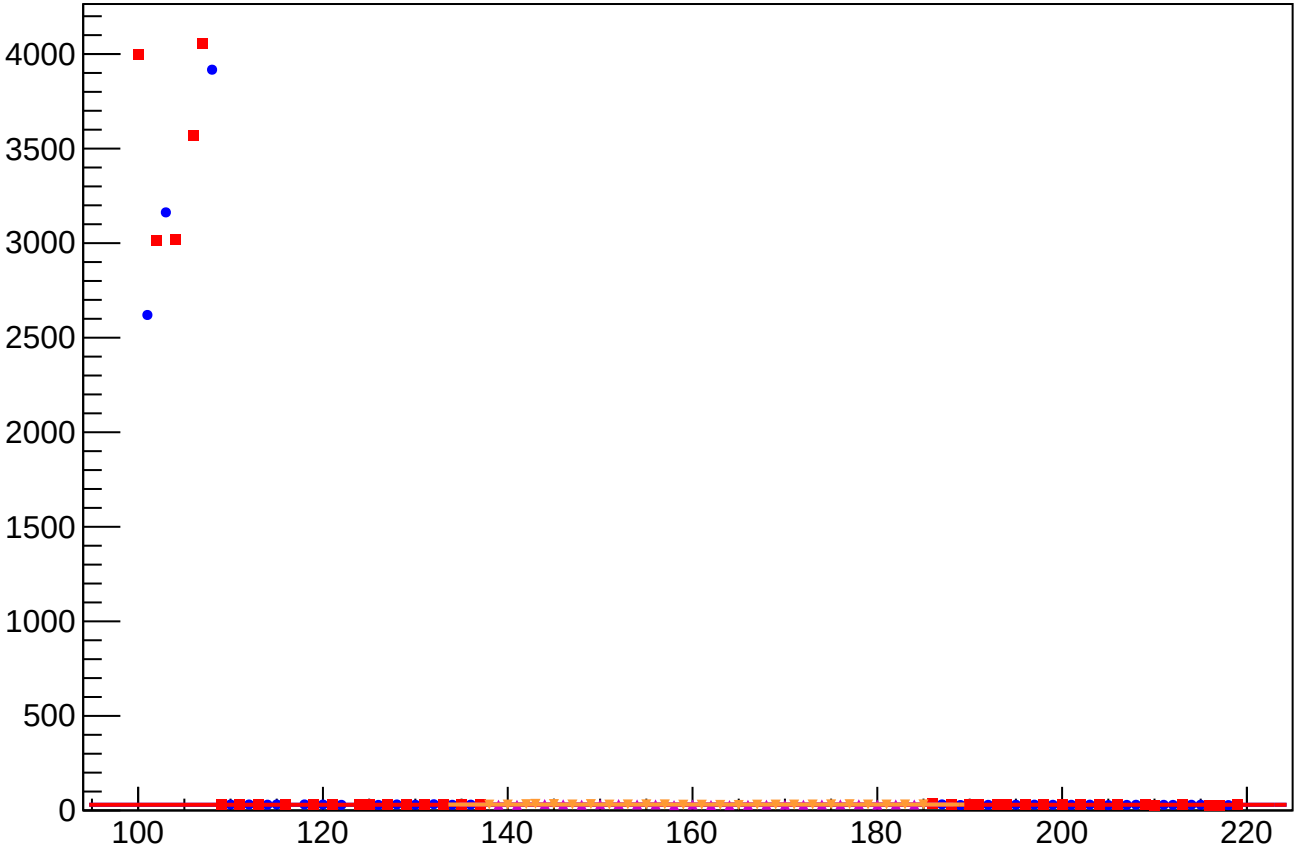
Right: 2.371+/-4.879 χ^2/NDF: 78.9/68

In: 2.614+/-5.057 χ^2/NDF:67.9/54

Out: -10.176+/-4.935 χ^2/NDF:69.6/61

All: -3.937+/-3.532 χ^2/NDF: 140.7/116

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.009+/-0.005 χ^2/NDF: 3282541.3/31

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.122+/-0.005 χ^2/NDF: 3590189.8/36

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

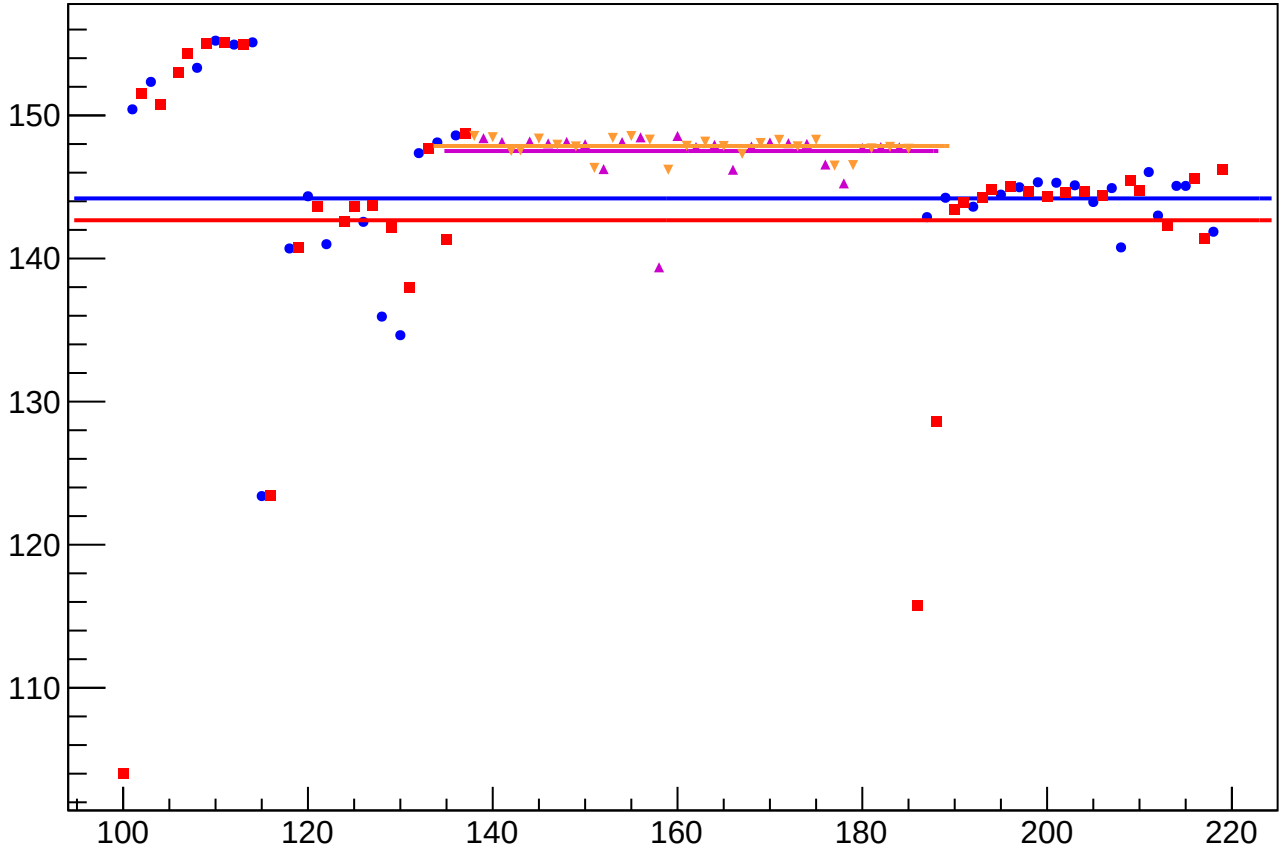
Right: 30.067+/-0.003 χ^2/NDF: 6872996.5/68

In: 30.658+/-0.004 χ^2/NDF:3404373.9/54

Out: 30.705+/-0.003 χ^2/NDF:3683609.1/61

All: 30.682+/-0.002 χ^2/NDF: 7088069.0/116

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.200+/-0.000 χ^2/NDF: 3792178903.4/31

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.674+/-0.000 χ^2/NDF: 7622854033.0/36

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

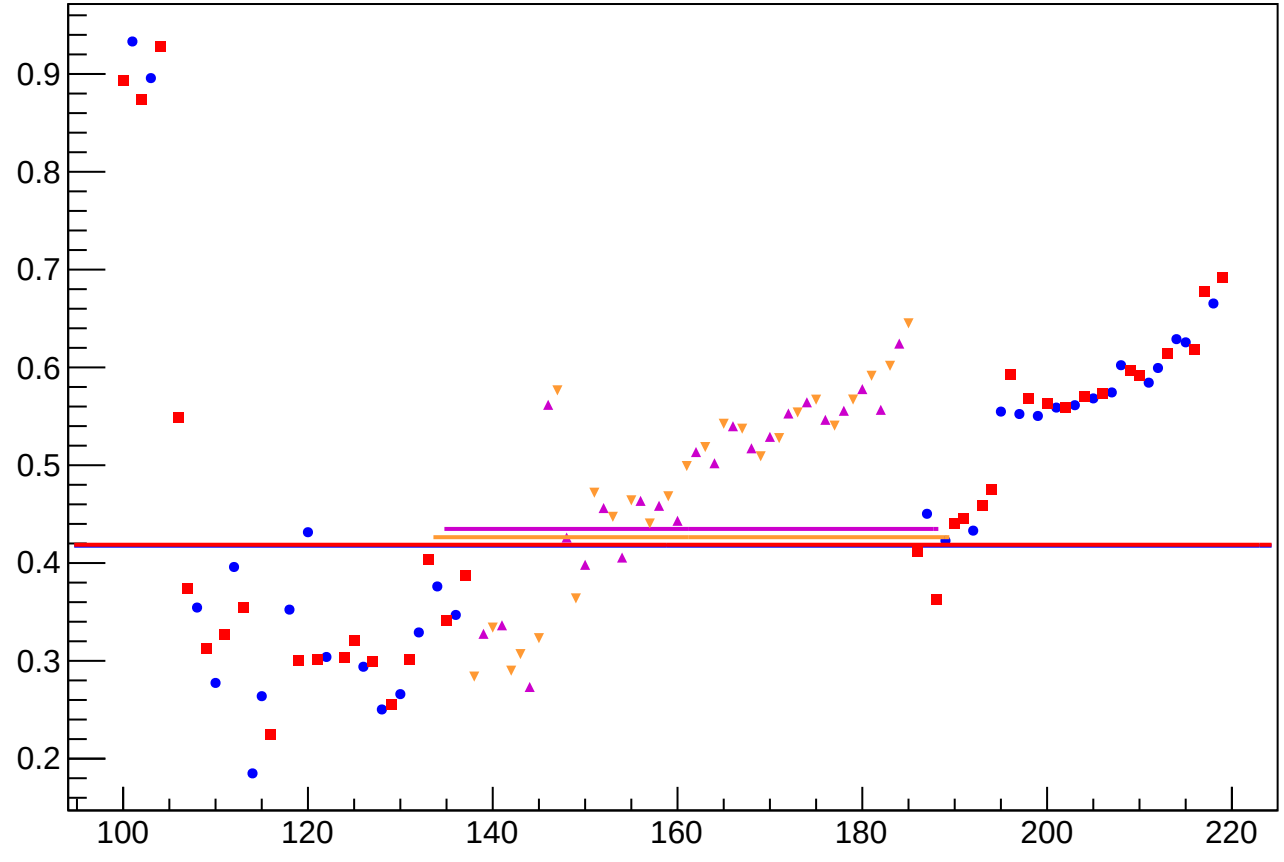
Right: 143.410+/-0.000 χ^2/NDF: 11532643510.2/68

In: 145.782+/-0.000 χ^2/NDF:4609030910.4/54

Out: 145.170+/-0.000 χ^2/NDF:9024309702.8/61

All: 145.465+/-0.000 χ^2/NDF: 13669659392.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.418+/-0.000 χ^2/NDF: 4255601.5/31

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.419+/-0.000 χ^2/NDF: 4183388.8/36

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

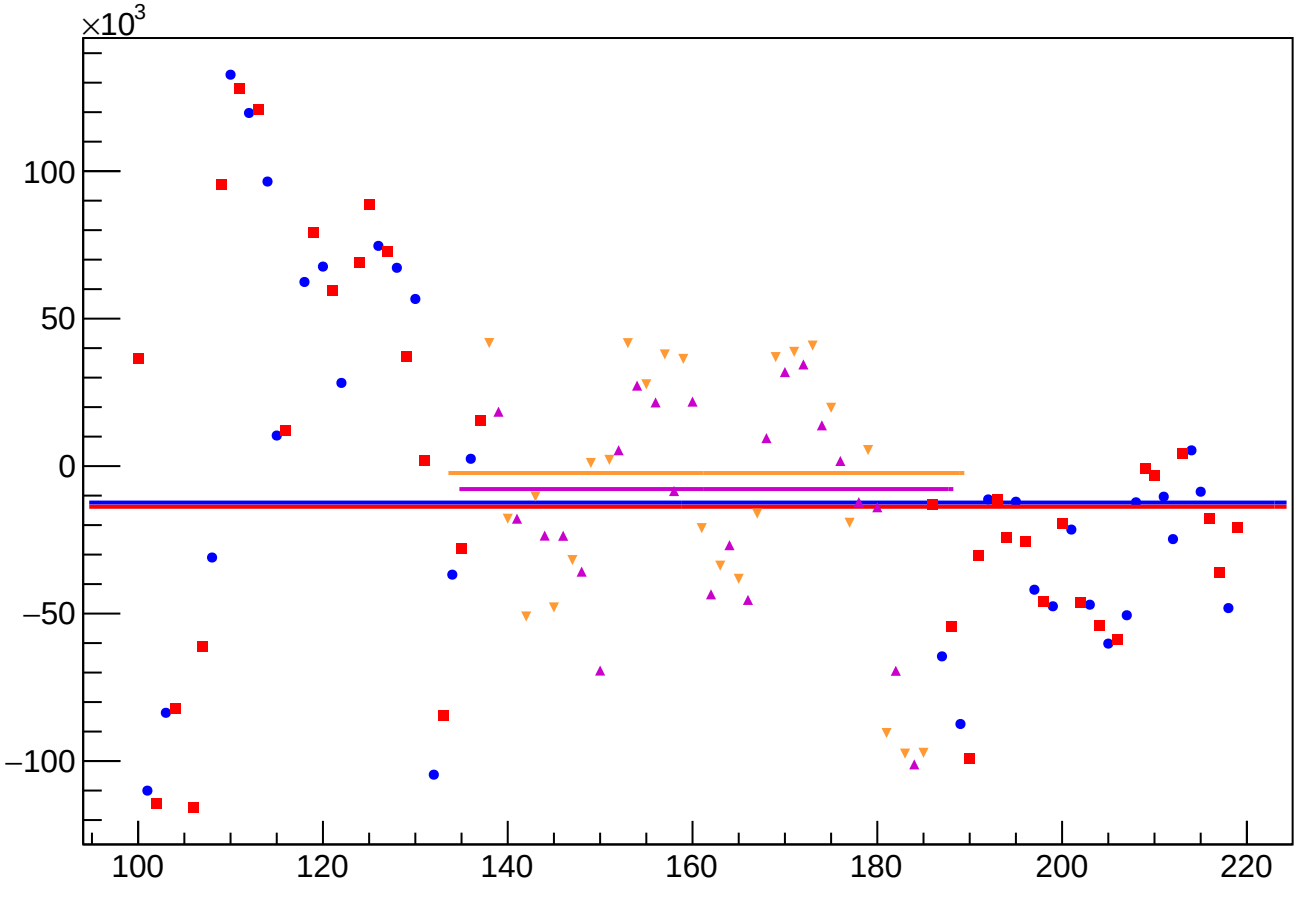
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.418+/-0.000 χ^2/NDF: 8439086.2/68

In: 0.426+/-0.000 χ^2/NDF:6057854.0/54

Out: 0.422+/-0.000 χ^2/NDF:6448564.9/61

All: 0.424+/-0.000 χ^2/NDF: 12508803.6/116



Right In: -12358.442+/-1.238 χ^2/NDF: 1975832758.1/31

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -13784.514+/-1.168 χ^2/NDF: 2418104833.2/36

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

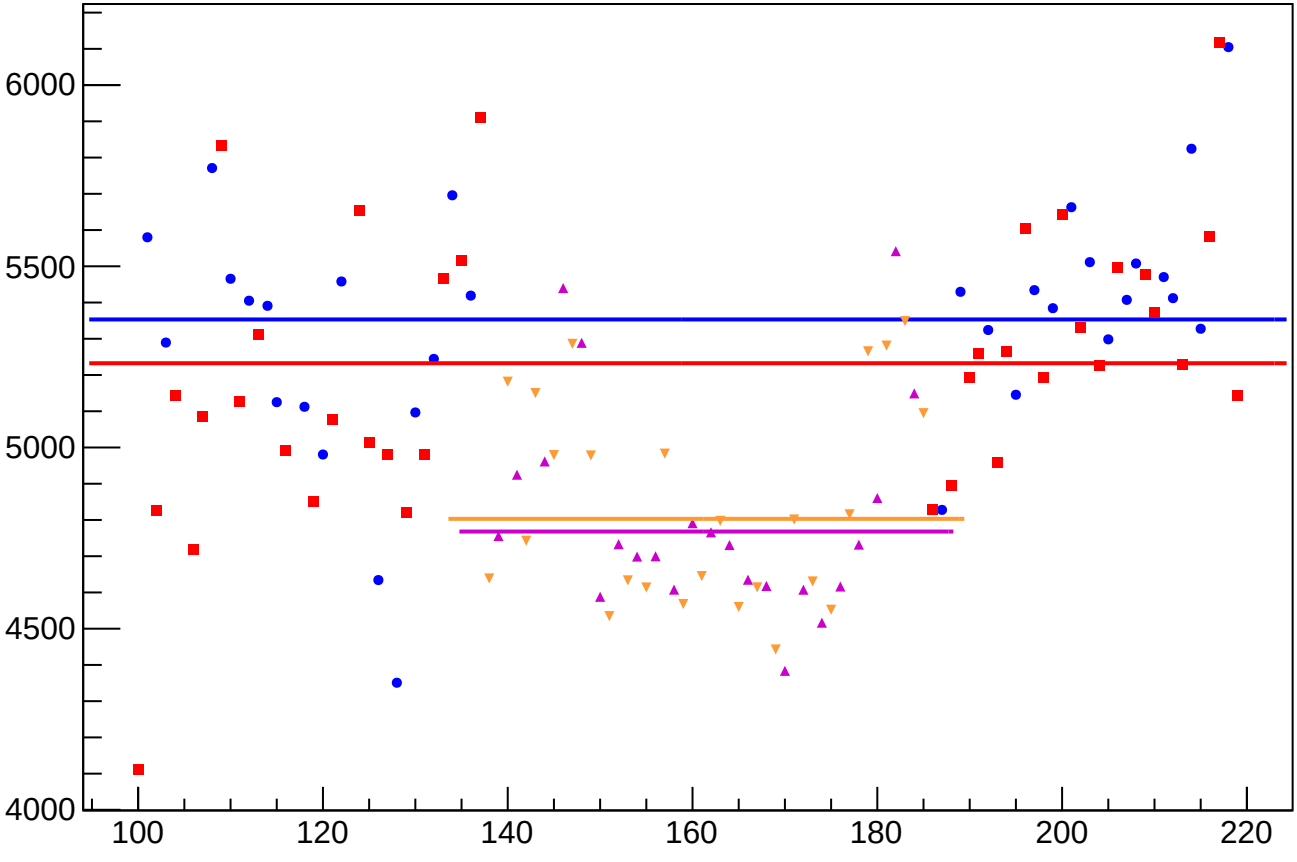
Right: -13112.793+/-0.850 χ^2/NDF: 4394639696.5/

In: -9894.451+/-0.840 χ^2/NDF:2745679629.8/54

Out: -7841.117+/-0.810 χ^2/NDF:3697967460.1/61

All: -8829.570+/-0.583 χ^2/NDF: 6446743318

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5353.304+/-0.875 χ^2/NDF: 139817.3/31

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5232.495+/-0.826 χ^2/NDF: 153101.1/36

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

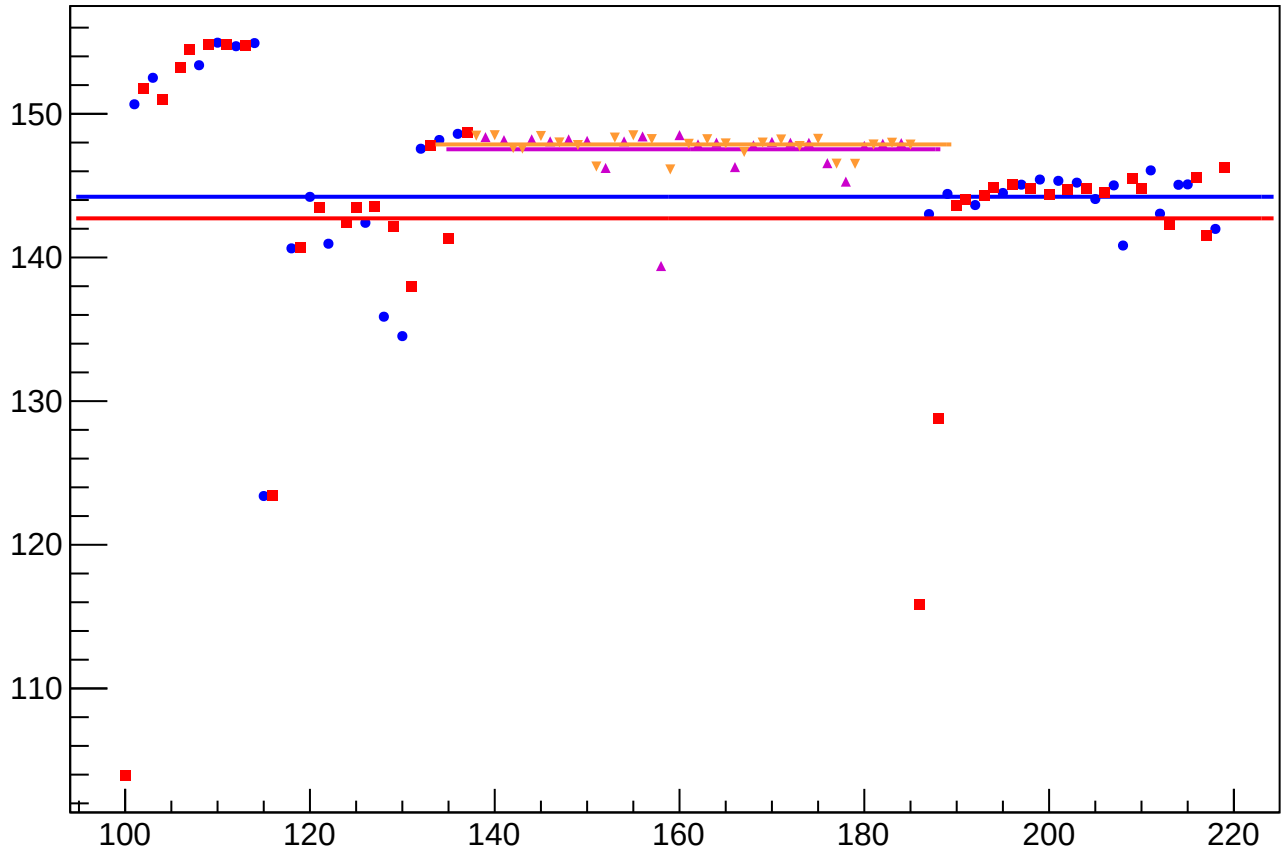
Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

Right: 5289.399+/-0.601 χ^2/NDF: 302995.8/68

In: 5037.801+/-0.594 χ^2/NDF:483196.5/54

Out: 5009.424+/-0.573 χ^2/NDF:408181.1/61

All: 5023.085+/-0.412 χ^2/NDF: 892560.3/116



Right In: 144.227+/-0.000 χ^2/NDF: 3832491396.0/31

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.724+/-0.000 χ^2/NDF: 7597949626.3/36

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

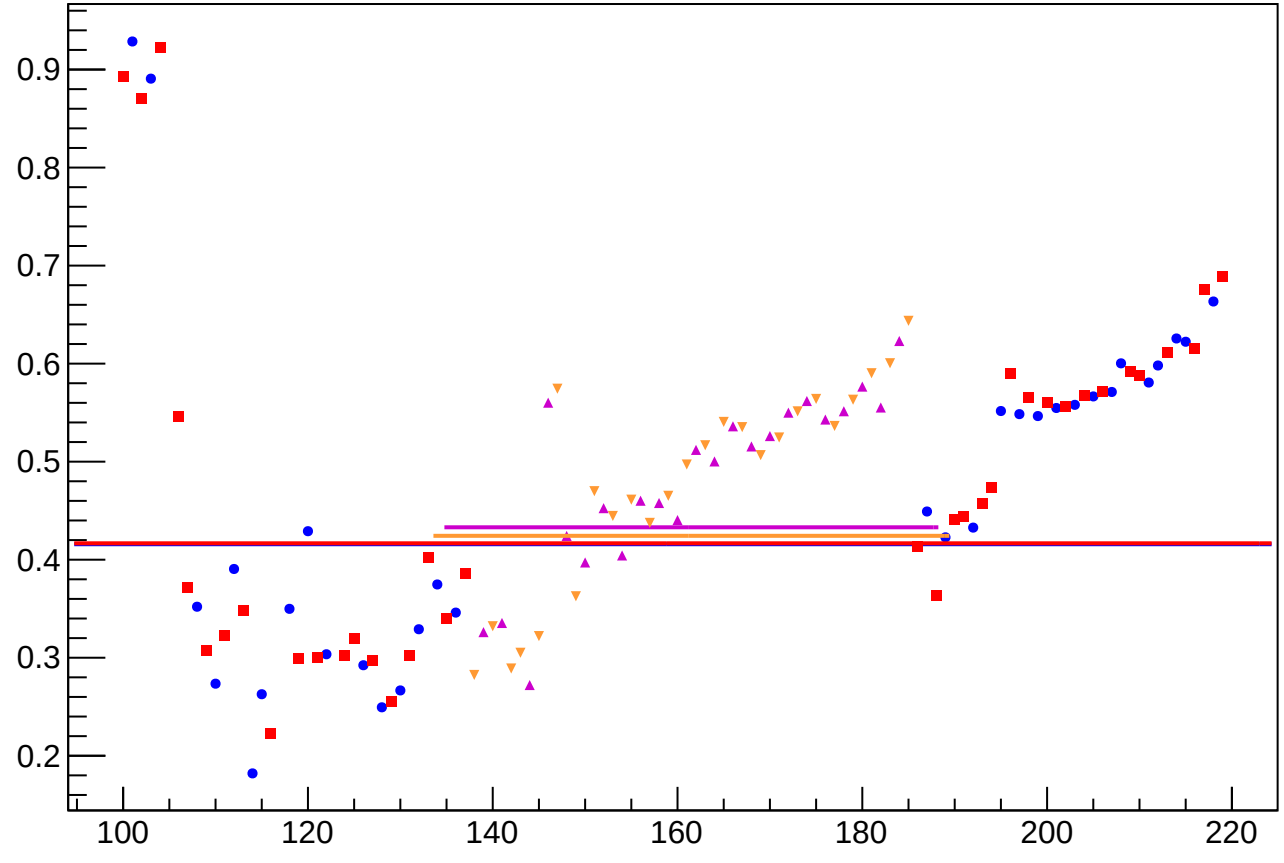
Right: 143.449+/-0.000 χ^2/NDF: 11545588886.3/68

In: 145.806+/-0.000 χ^2/NDF:4652636801.7/54

Out: 145.200+/-0.000 χ^2/NDF:8988462088.6/61

All: 145.491+/-0.000 χ^2/NDF: 13677014427.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.416+/-0.000 χ^2/NDF: 4255513.1/31

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.417+/-0.000 χ^2/NDF: 4191304.9/36

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

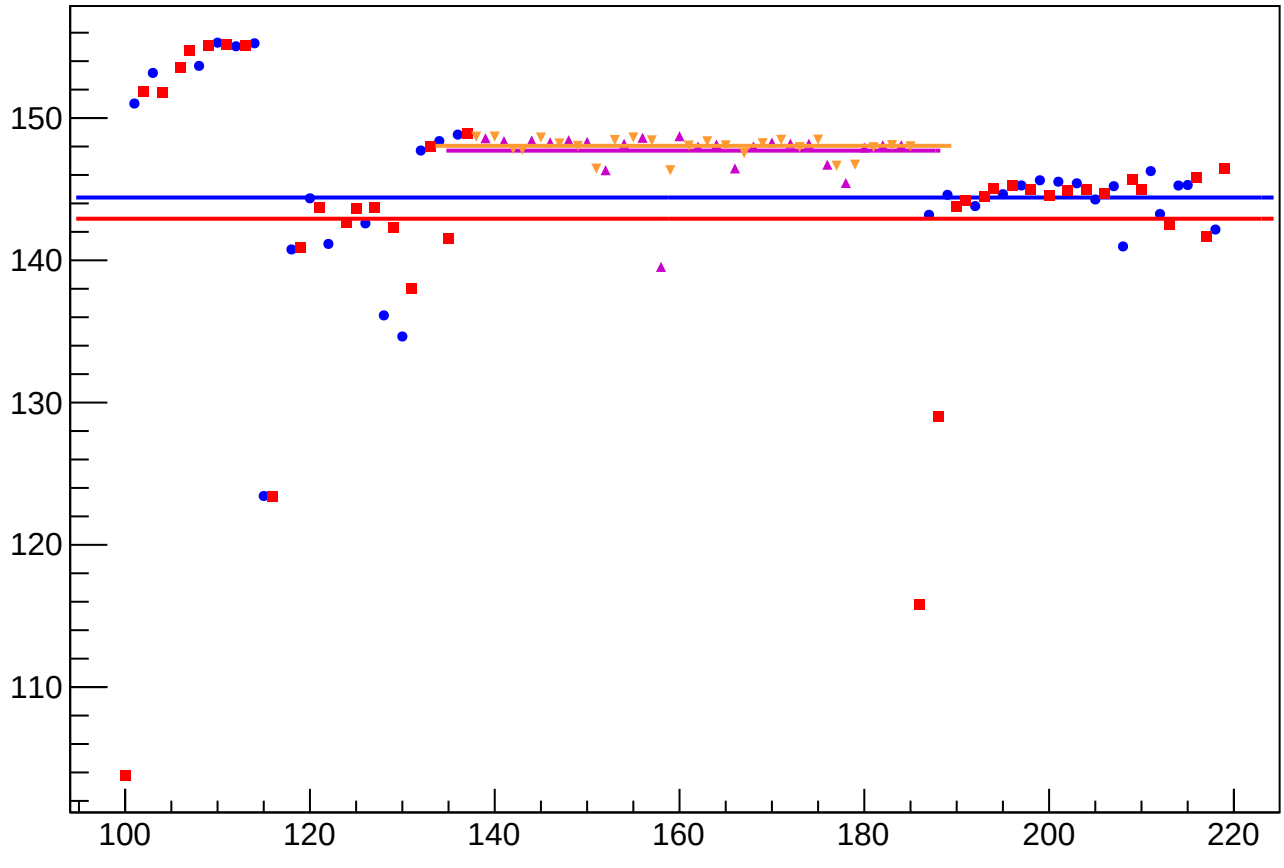
Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

Right: 0.416+/-0.000 χ^2/NDF: 8446910.0/68

In: 0.424+/-0.000 χ^2/NDF:6054685.4/54

Out: 0.420+/-0.000 χ^2/NDF:6457948.1/61

All: 0.422+/-0.000 χ^2/NDF: 12515208.4/116



Right In: 144.415+/-0.000 χ^2/NDF: 3826931414.6/31

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.925+/-0.000 χ^2/NDF: 7531789705.8/36

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

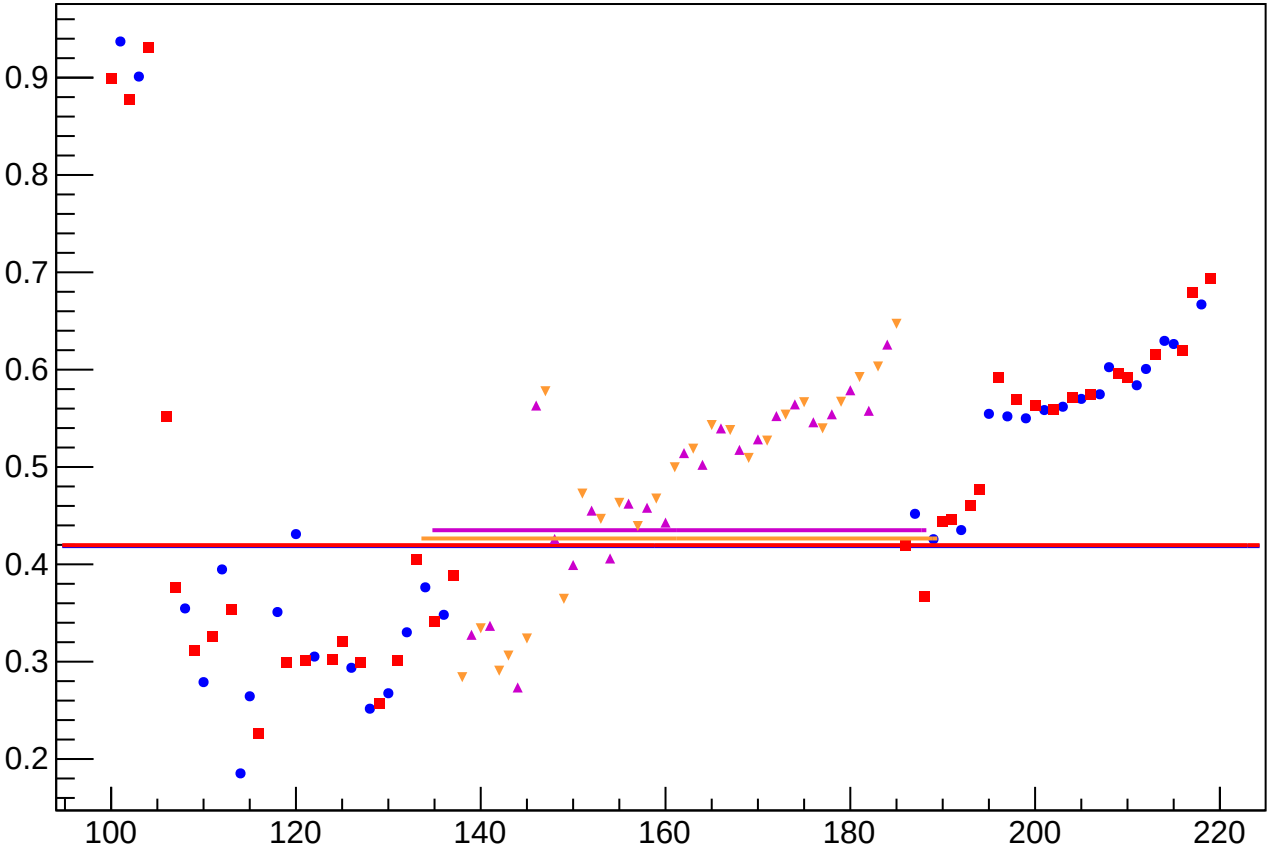
Right: 143.643+/-0.000 χ^2/NDF: 11470320792.8/68

In: 145.993+/-0.000 χ^2/NDF:4643320286.1/54

Out: 145.395+/-0.000 χ^2/NDF:8895826552.8/61

All: 145.682+/-0.000 χ^2/NDF: 13573669372.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.419+/-0.000 χ^2/NDF: 4236819.8/31

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.420+/-0.000 χ^2/NDF: 4180624.7/36

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

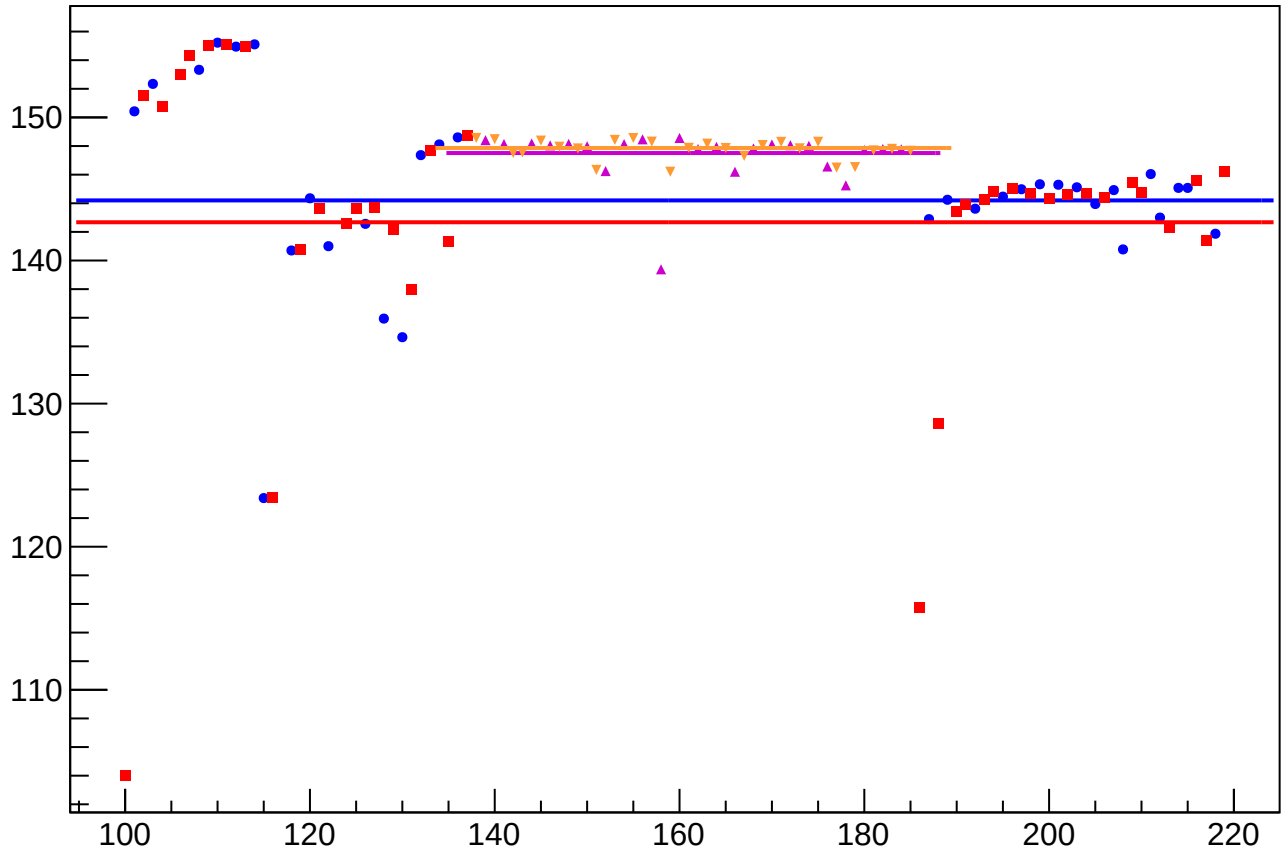
Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

Right: 0.419+/-0.000 χ^2/NDF: 8417539.9/68

In: 0.427+/-0.000 χ^2/NDF:6031356.4/54

Out: 0.423+/-0.000 χ^2/NDF:6442857.0/61

All: 0.425+/-0.000 χ^2/NDF: 12476634.7/116



Right In: 144.200+/-0.000 χ^2/NDF: 3792178903.4/31

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.674+/-0.000 χ^2/NDF: 7622854033.0/36

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

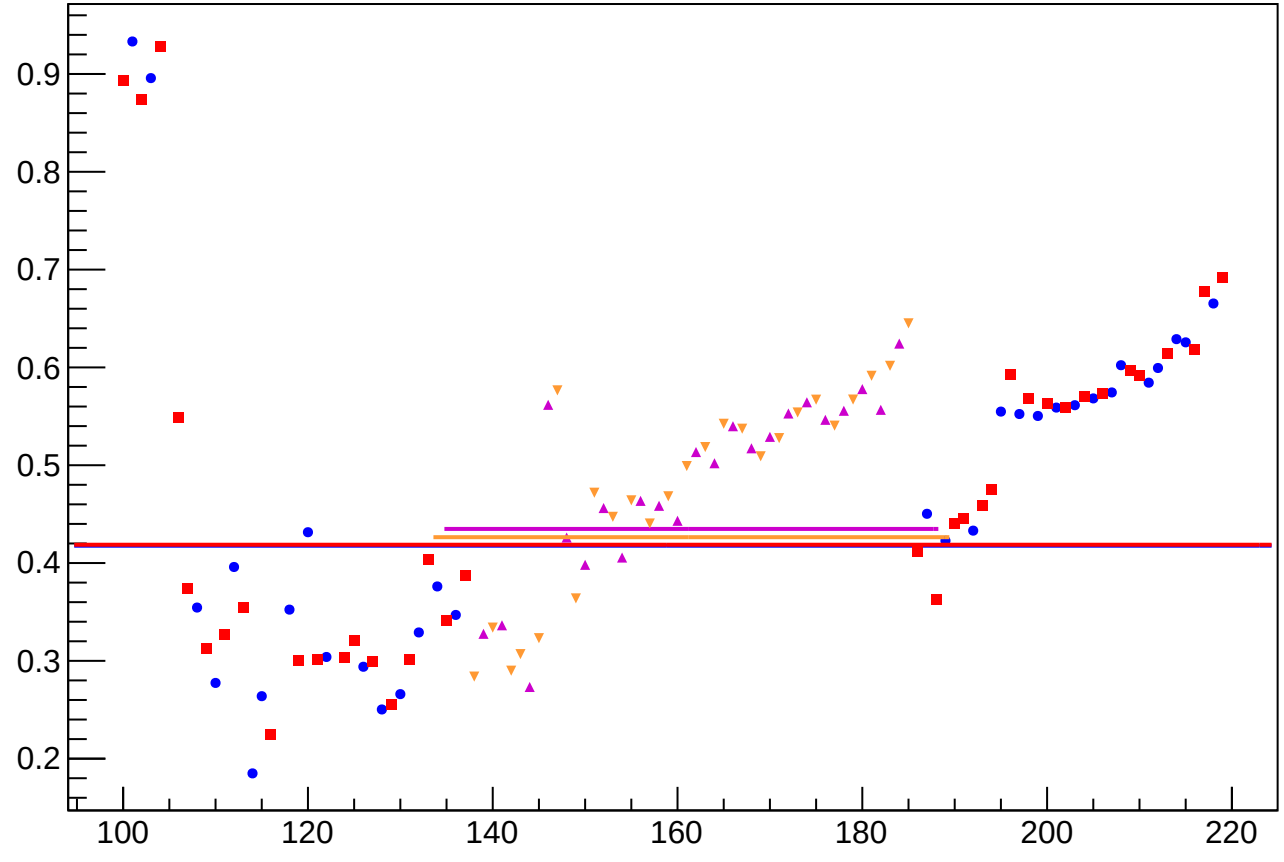
Right: 143.410+/-0.000 χ^2/NDF: 11532643510.2/68

In: 145.782+/-0.000 χ^2/NDF:4609030910.4/54

Out: 145.170+/-0.000 χ^2/NDF:9024309702.8/61

All: 145.465+/-0.000 χ^2/NDF: 13669659392.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.418+/-0.000 χ^2/NDF: 4255601.5/31

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.419+/-0.000 χ^2/NDF: 4183388.8/36

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

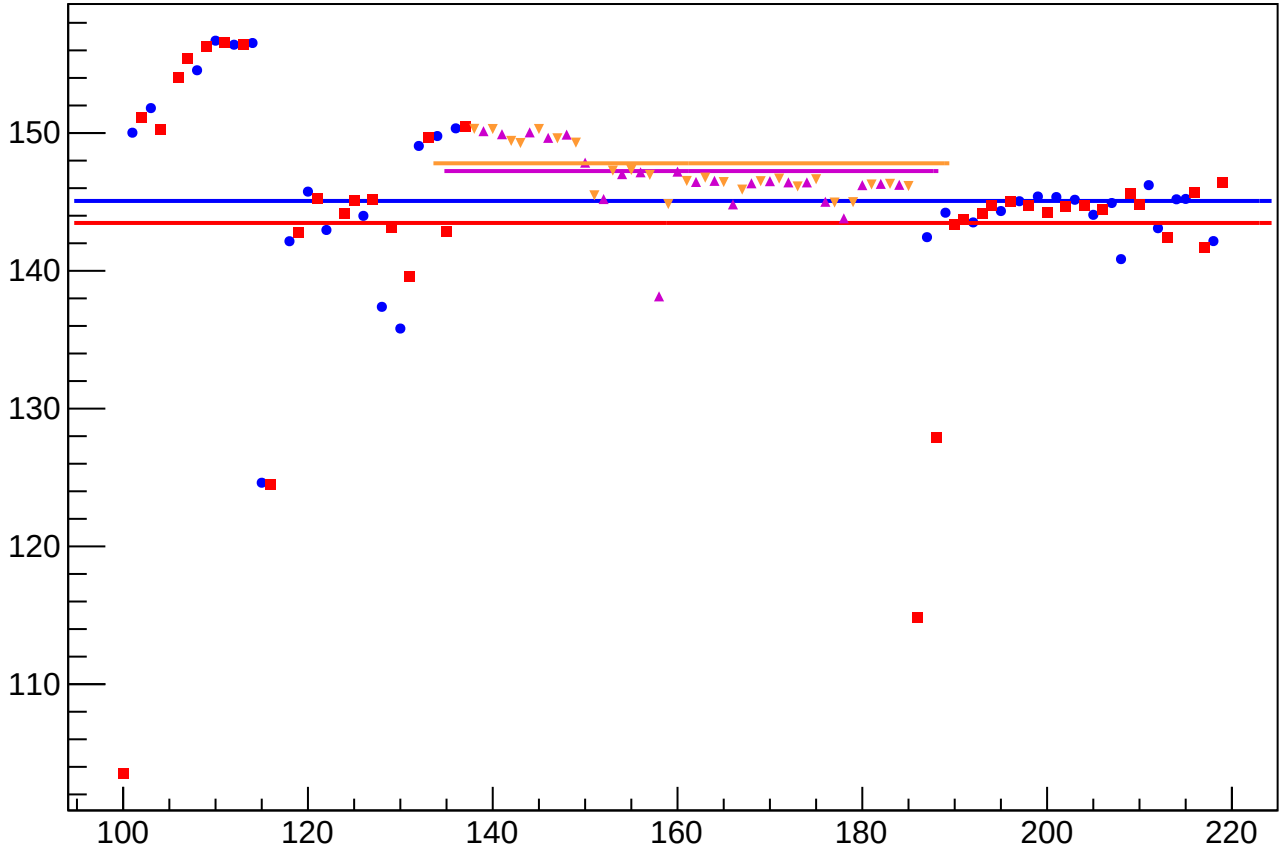
Right: 0.418+/-0.000 χ^2/NDF: 8439086.2/68

In: 0.426+/-0.000 χ^2/NDF:6057854.0/54

Out: 0.422+/-0.000 χ^2/NDF:6448564.9/61

All: 0.424+/-0.000 χ^2/NDF: 12508803.6/116

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.072+/-0.000 χ^2/NDF: 3589325445.4/31

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.475+/-0.000 χ^2/NDF: 7662965360.5/36

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

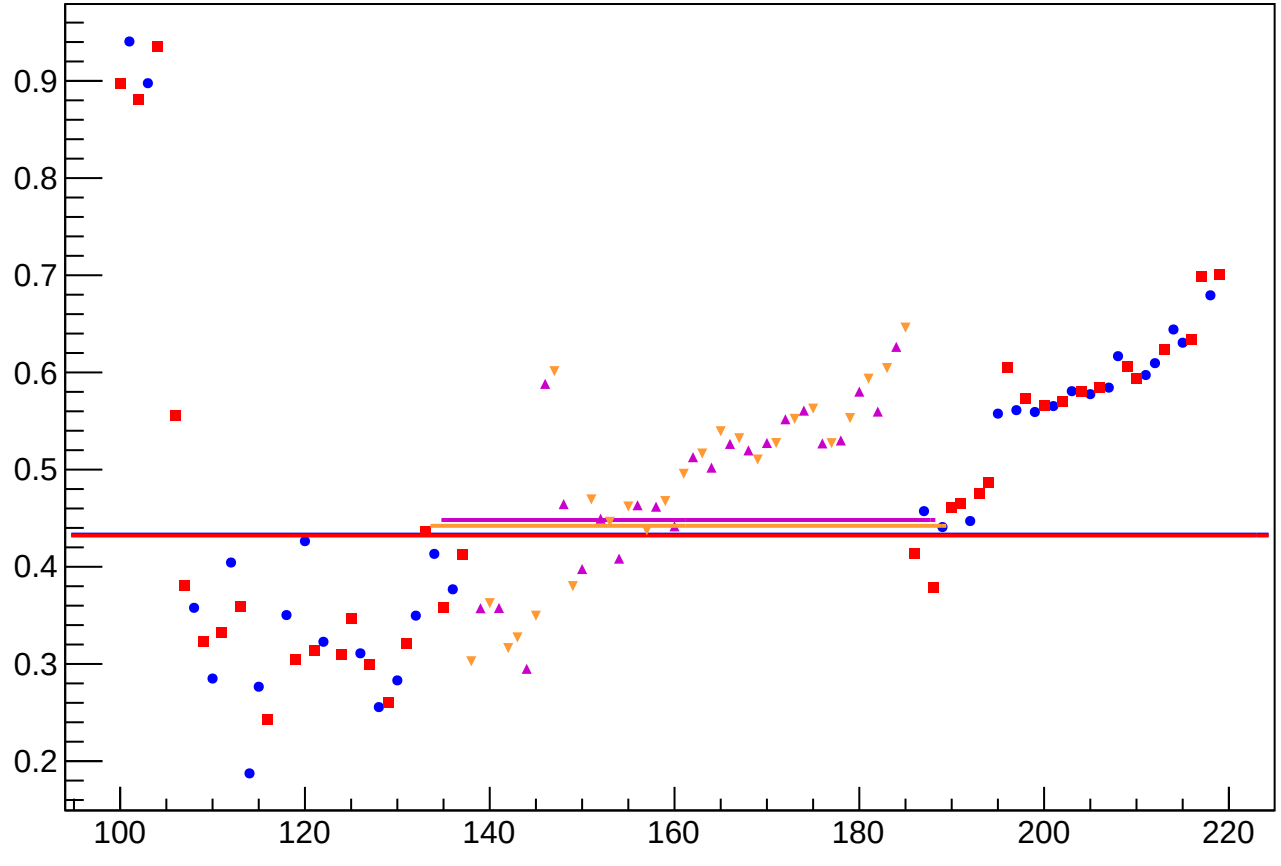
Right: 144.242+/-0.000 χ^2/NDF: 11373044996.1/68

In: 146.119+/-0.000 χ^2/NDF:4414800991.1/54

Out: 145.559+/-0.000 χ^2/NDF:8879046621.6/61

All: 145.828+/-0.000 χ^2/NDF: 13322575985.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.433+/-0.000 χ^2/NDF: 4013418.3/31

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.432+/-0.000 χ^2/NDF: 3983957.8/36

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

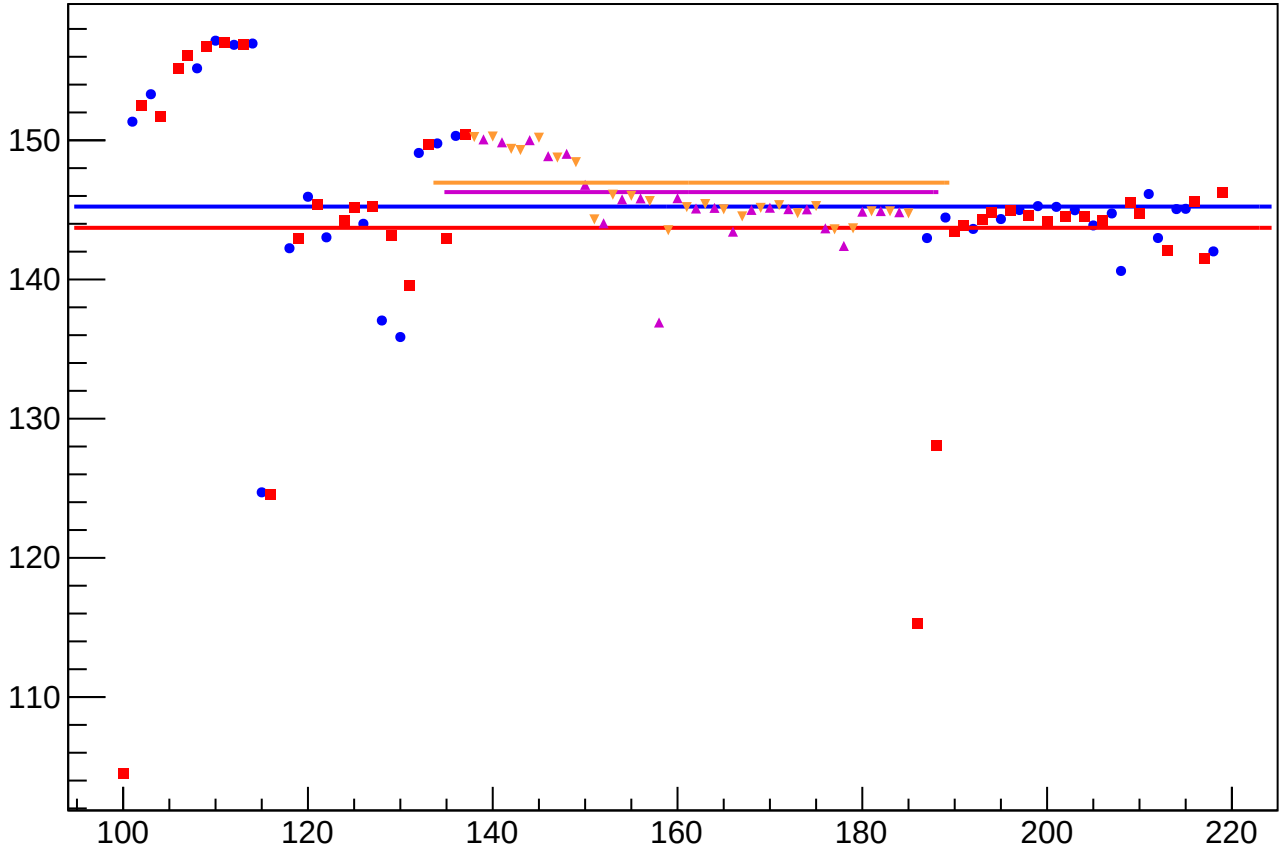
Right: 0.433+/-0.000 χ^2/NDF: 7997450.3/68

In: 0.440+/-0.000 χ^2/NDF:5381158.7/54

Out: 0.437+/-0.000 χ^2/NDF:5697599.9/61

All: 0.439+/-0.000 χ^2/NDF: 11080814.1/116

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.238+/-0.000 χ^2/NDF: 3754212850.9/31

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.712+/-0.000 χ^2/NDF: 7715666536.1/36

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

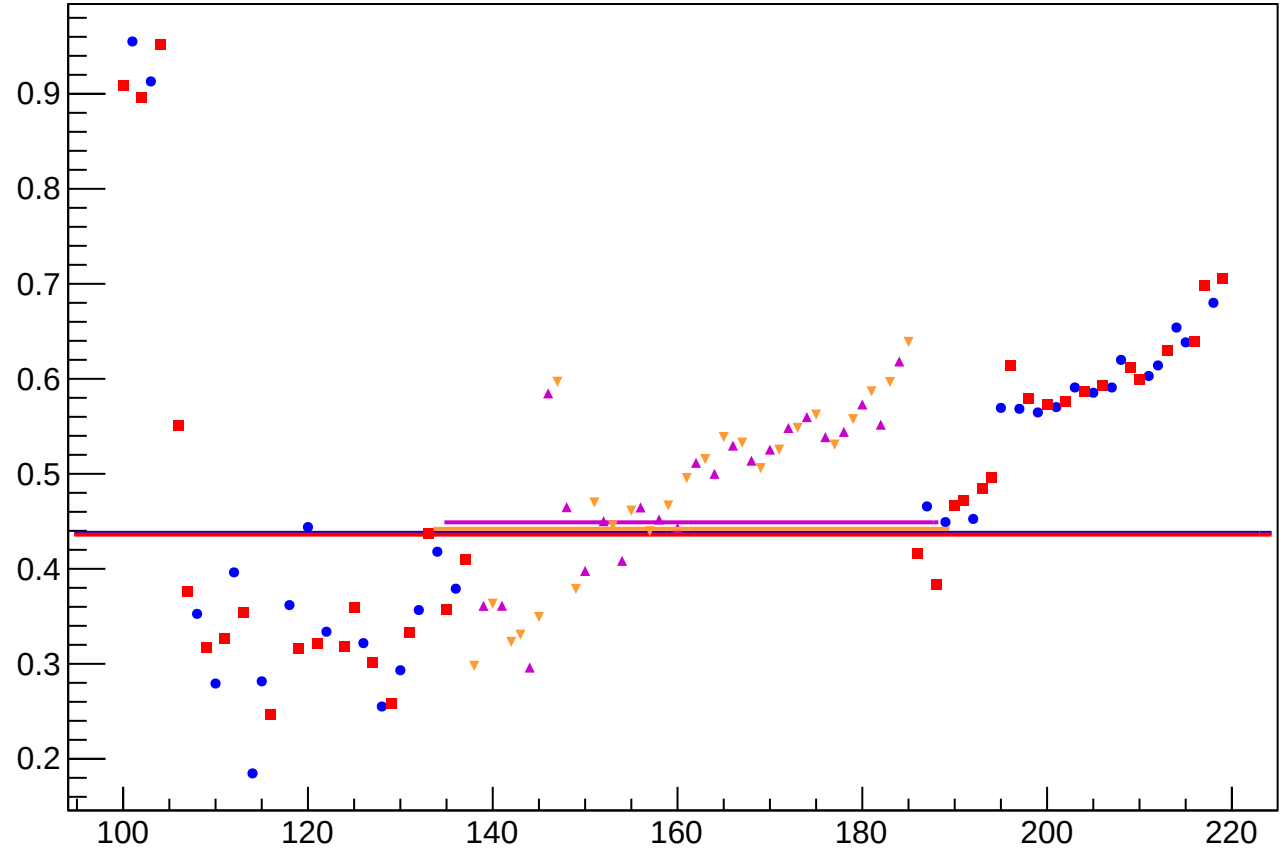
Right: 144.443+/-0.000 χ^2/NDF: 11577622168.7/68

In: 145.745+/-0.000 χ^2/NDF:4626325536.3/54

Out: 145.289+/-0.000 χ^2/NDF:8752792651.0/61

All: 145.508+/-0.000 χ^2/NDF: 13397884739.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.438+/-0.000 χ^2/NDF: 4038957.2/31

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.436+/-0.000 χ^2/NDF: 4002575.8/36

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

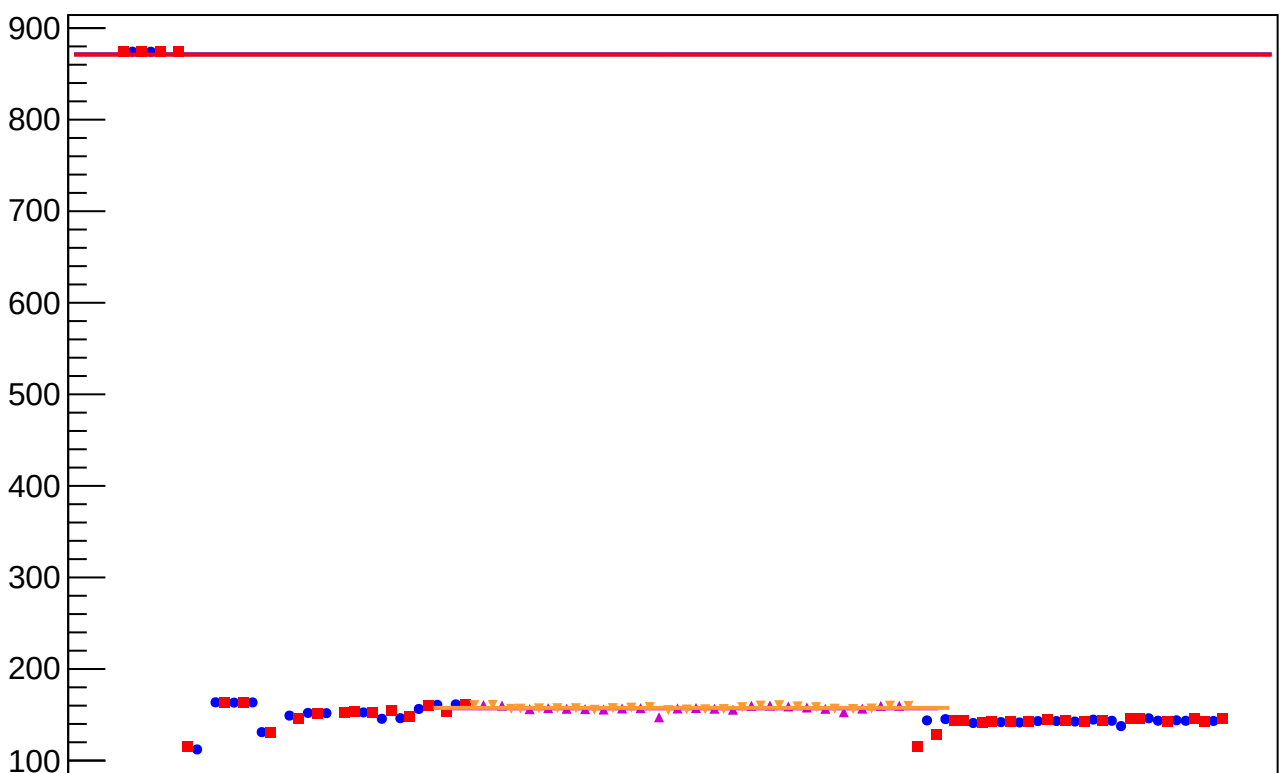
Right: 0.437+/-0.000 χ^2/NDF: 8041850.9/68

In: 0.443+/-0.000 χ^2/NDF:5350231.8/54

Out: 0.439+/-0.000 χ^2/NDF:5682729.8/61

All: 0.441+/-0.000 χ^2/NDF: 11036295.5/116

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 871.335+/-0.000 χ^2/NDF: 14924602993464.8/31

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.053+/-0.000 χ^2/NDF: 18919595986121.8/36

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

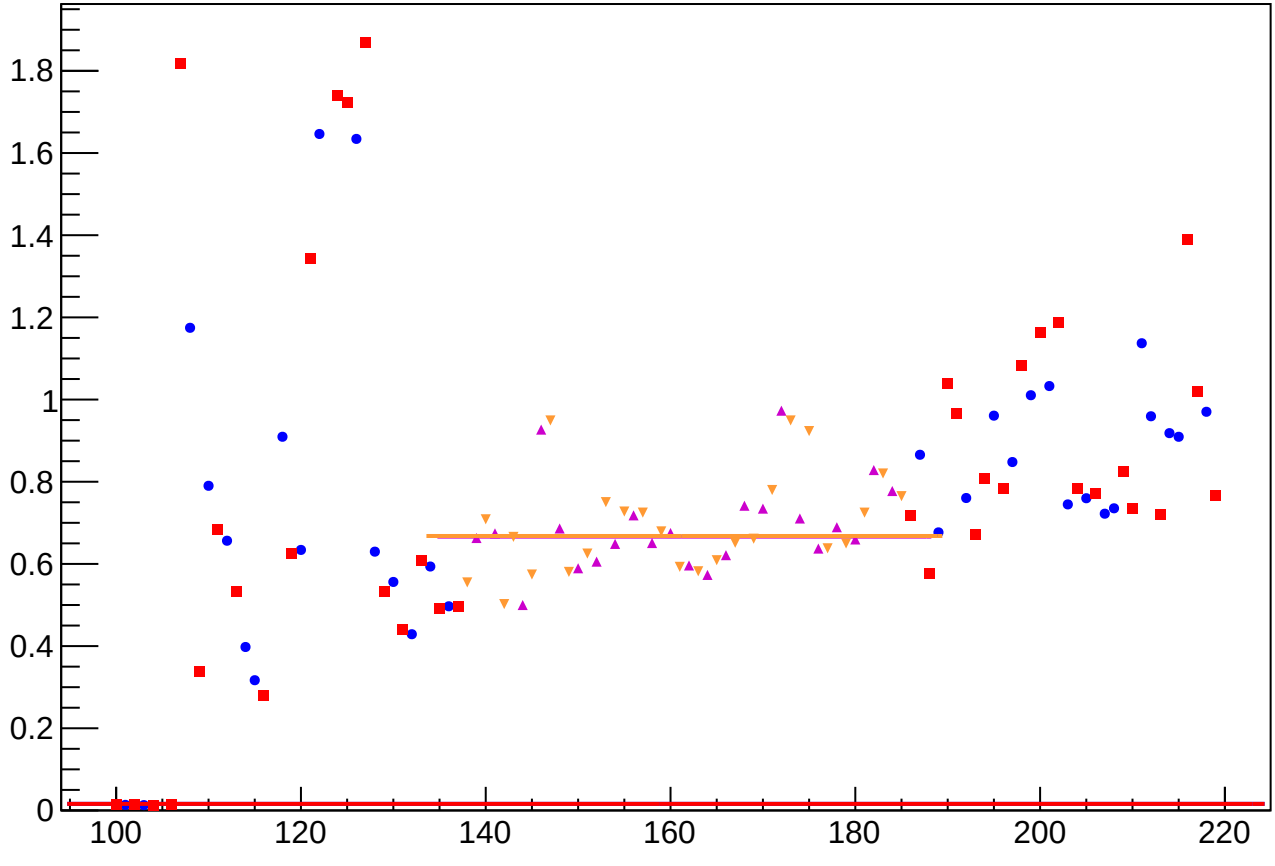
Right: 871.184+/-0.000 χ^2/NDF: 33844503749489.

In: 868.107+/-0.000 χ^2/NDF:31386876244580.1/5

Out: 868.126+/-0.000 χ^2/NDF:36096379815637.6

All: 868.117+/-0.000 χ^2/NDF: 674832575154

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 29925394.2/31

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.016+/-0.000 χ^2/NDF: 32746210.8/36

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

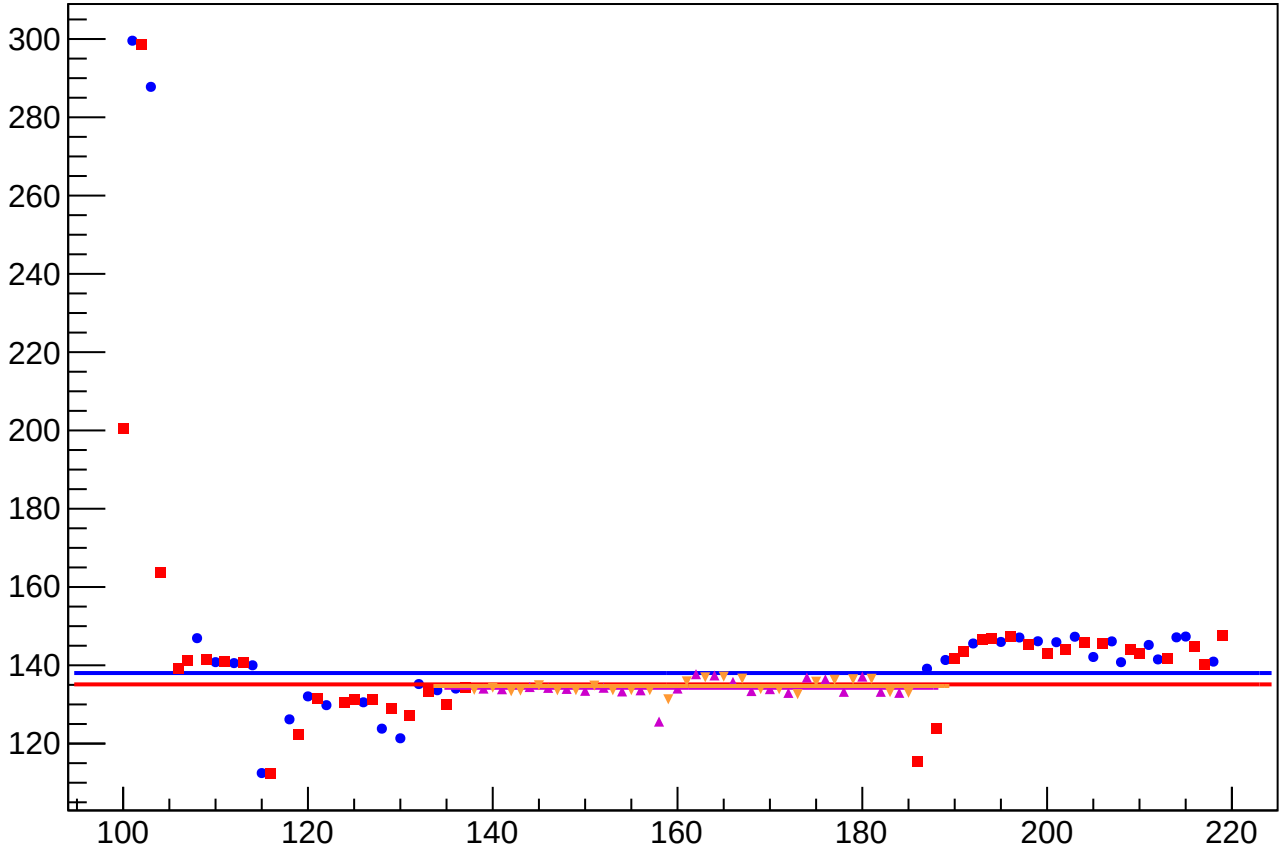
Right: 0.016+/-0.000 χ^2/NDF: 62671670.5/68

In: 0.019+/-0.000 χ^2/NDF:57756386.0/54

Out: 0.019+/-0.000 χ^2/NDF:62115480.5/61

All: 0.019+/-0.000 χ^2/NDF: 119872848.8/116

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 138.022+/-0.000 χ^2/NDF: 3743300898.2/31

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 135.123+/-0.000 χ^2/NDF: 5767866997.8/36

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

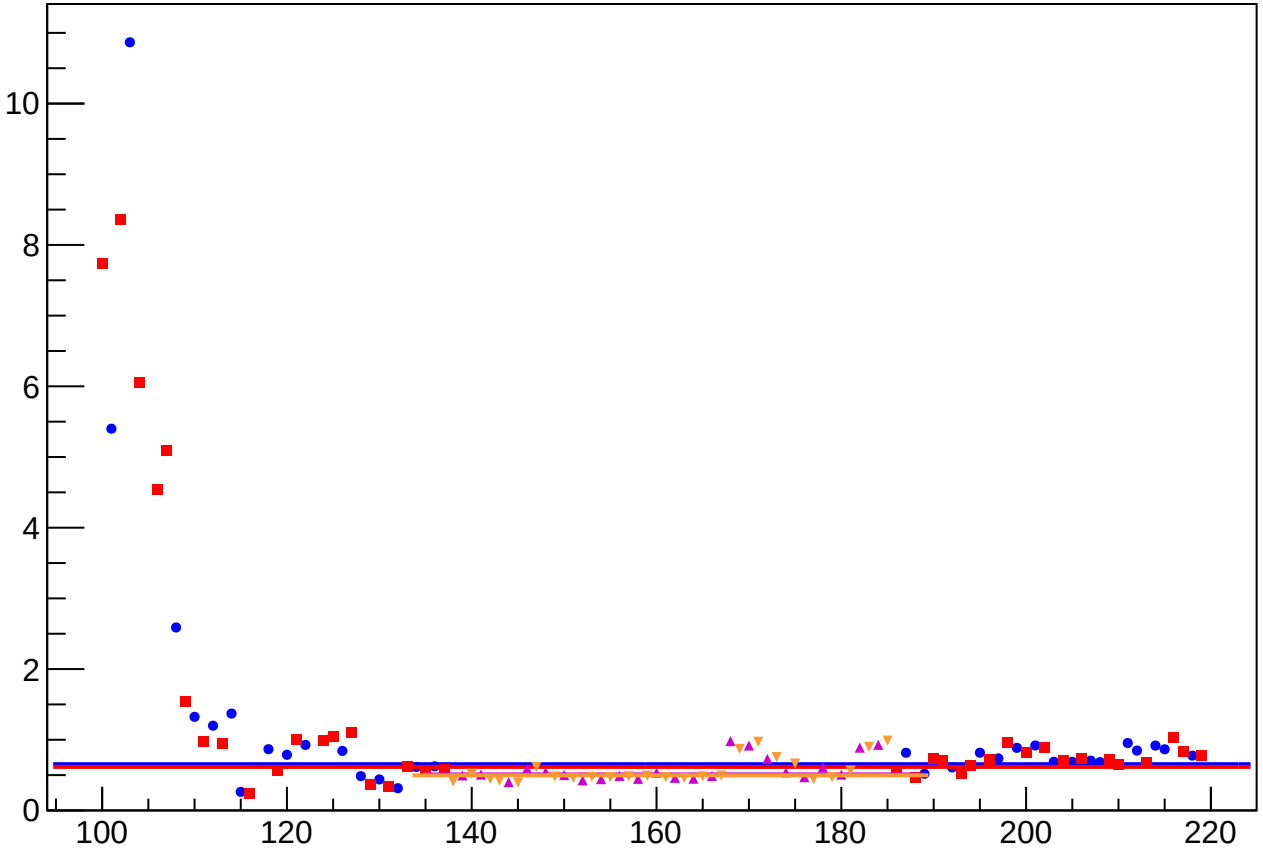
Right: 136.432+/-0.000 χ^2/NDF: 9662537827.8/68

In: 135.578+/-0.000 χ^2/NDF:4487676578.1/54

Out: 134.867+/-0.000 χ^2/NDF:5931949293.5/61

All: 135.198+/-0.000 χ^2/NDF: 10444853497.

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.655+/-0.000 χ^2/NDF: 5447229.2/31

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.616+/-0.000 χ^2/NDF: 6475041.4/36

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

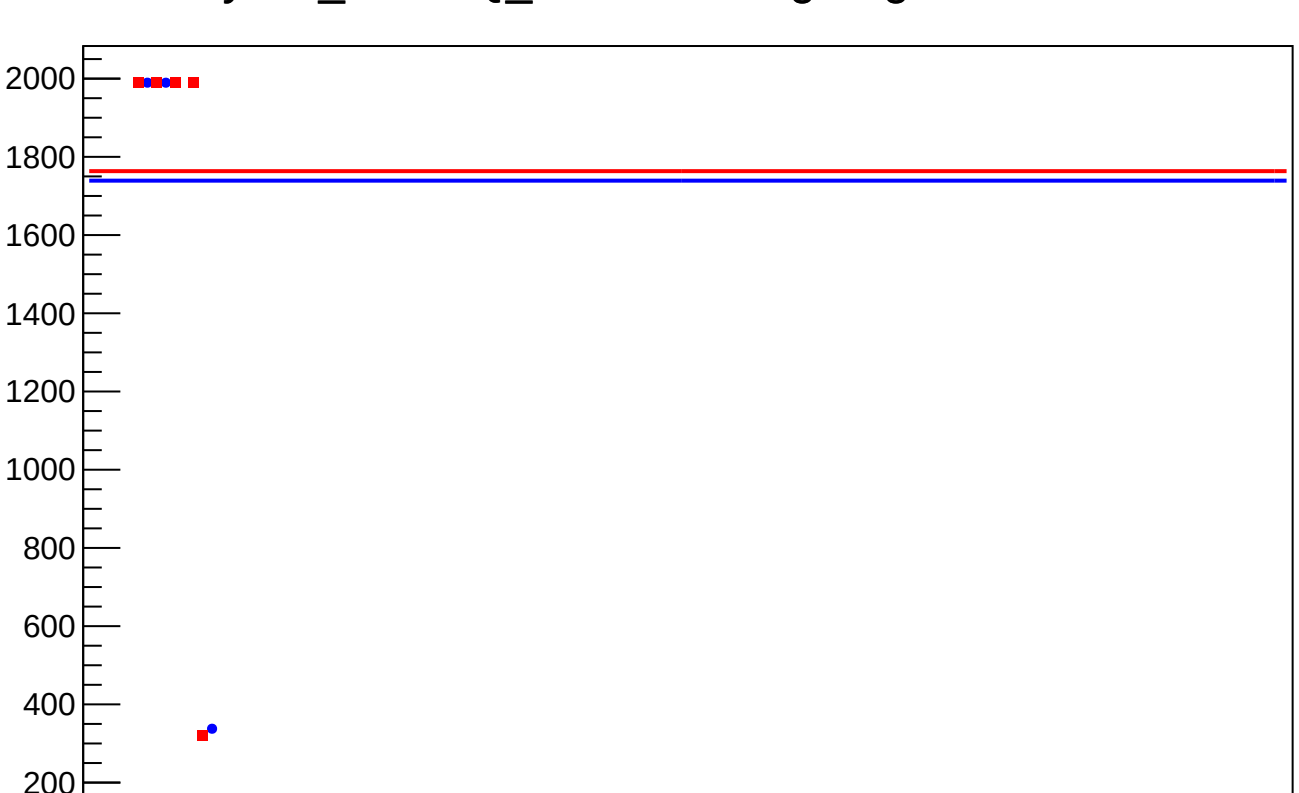
Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

Right: 0.634+/-0.000 χ^2/NDF: 11975094.2/68

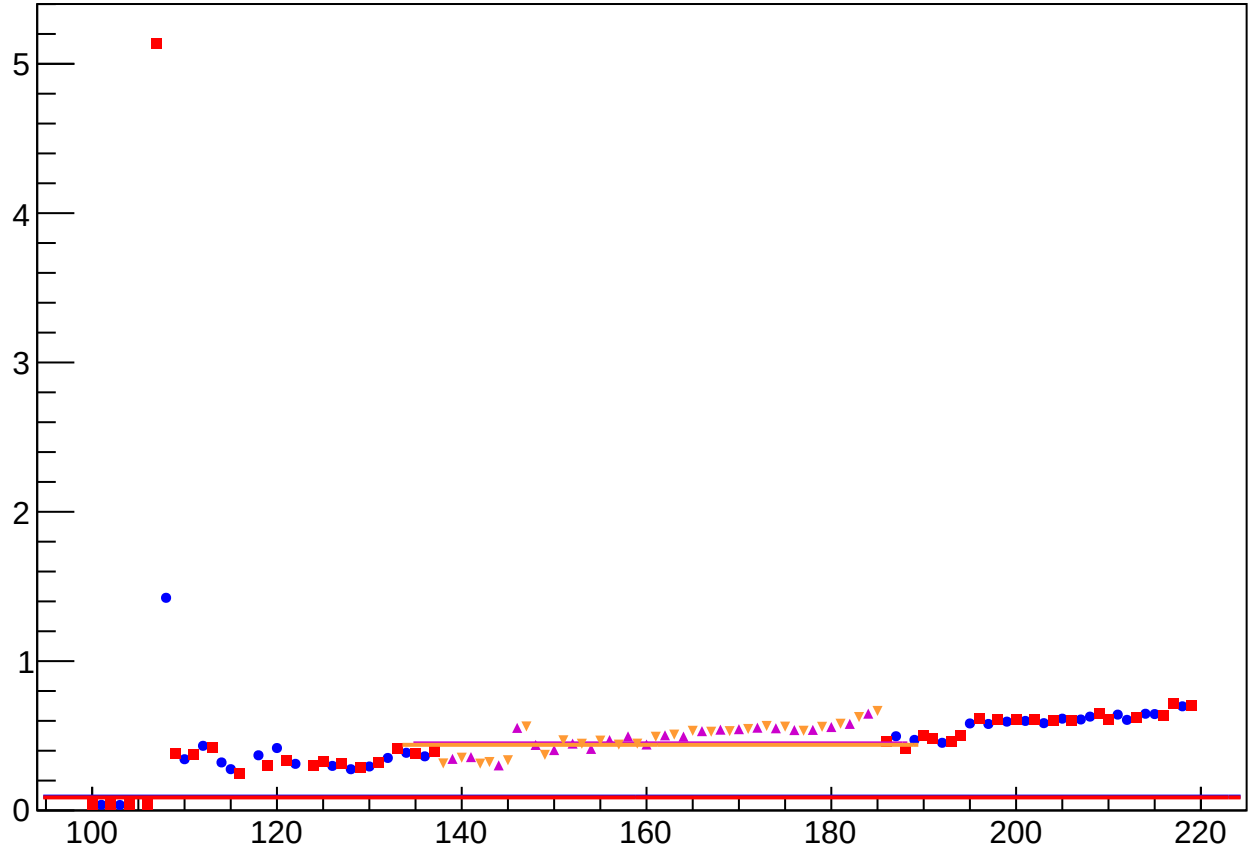
In: 0.561+/-0.000 χ^2/NDF:7827814.1/54

Out: 0.541+/-0.000 χ^2/NDF:8760028.2/61

All: 0.550+/-0.000 χ^2/NDF: 16624395.6/116


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: 1739.137+/-0.000 χ²/NDF: 243246361858638.2/31
Left Out: 137.578+/-0.000 χ²/NDF:64111345.2/24
Right Out: 1763.449+/-0.000 χ²/NDF: 260530135647787.5/36
Left In: 137.349+/-0.000 χ²/NDF:248752254.7/22
Left: 137.469+/-0.000 χ²/NDF: 315189054.5/47
Right: 1752.234+/-0.000 χ²/NDF: 50396954426711
In: 1542.431+/-0.000 χ²/NDF:434284574958011.
Out: 1574.957+/-0.000 χ²/NDF:477509190302745
All: 1559.889+/-0.000 χ²/NDF: 9121862442

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.093+/-0.000 χ^2/NDF: 26997727.5/31

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.087+/-0.000 χ^2/NDF: 28647237.3/36

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

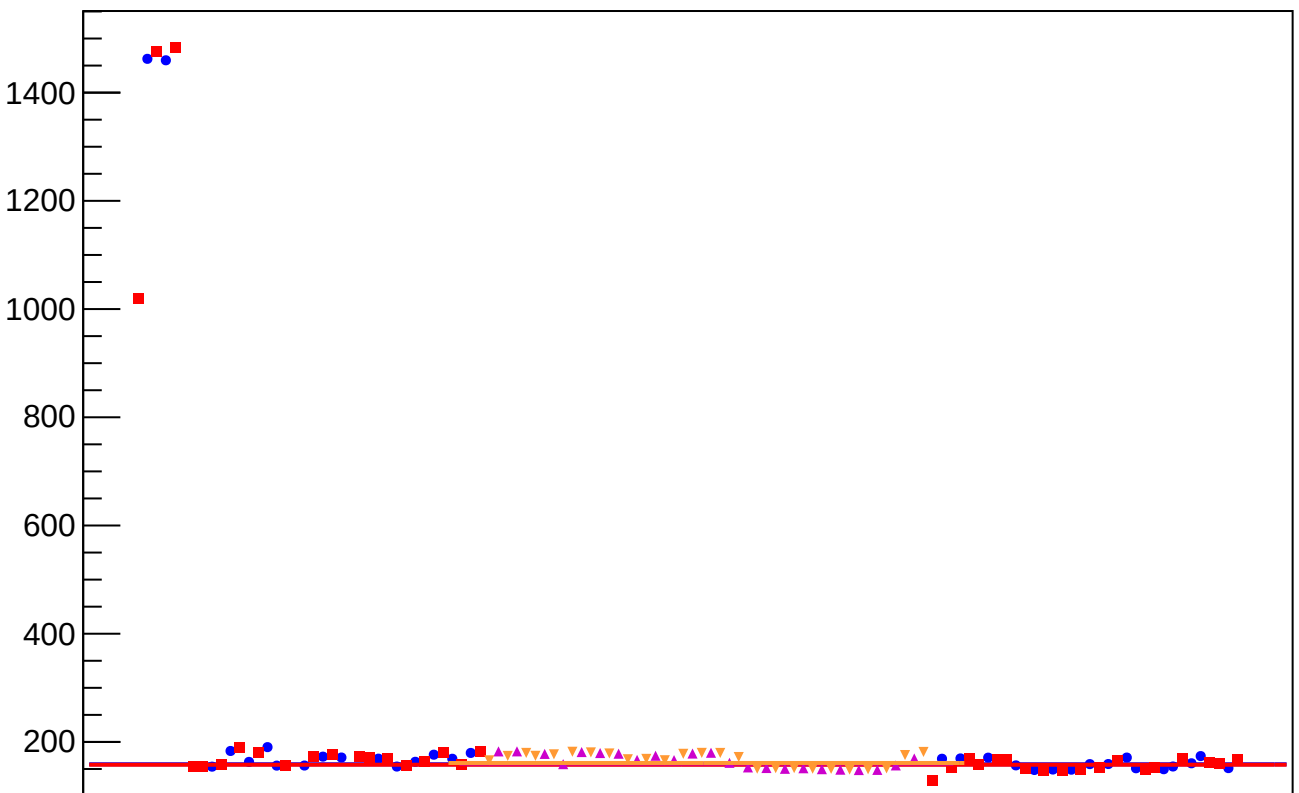
Right: 0.090+/-0.000 χ^2/NDF: 55664409.6/68

In: 0.137+/-0.000 χ^2/NDF:47261414.6/54

Out: 0.128+/-0.000 χ^2/NDF:50778526.2/61

All: 0.132+/-0.000 χ^2/NDF: 98092273.2/116

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 158.727+/-0.000 χ^2/NDF: 16090808019.6/31

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 157.883+/-0.000 χ^2/NDF: 18419583233.6/36

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

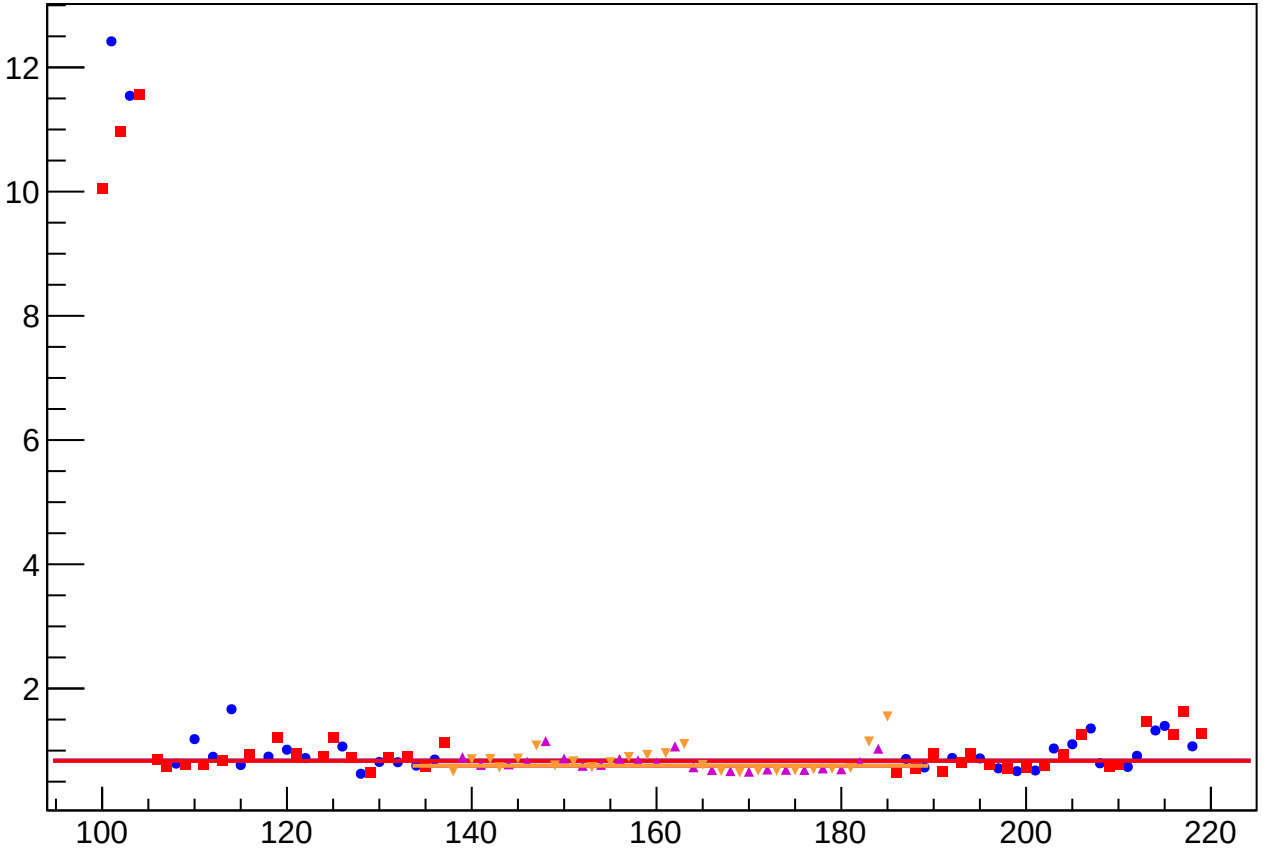
Right: 158.285+/-0.000 χ^2/NDF: 34517386560.7/68

In: 159.515+/-0.000 χ^2/NDF:19850012278.0/54

Out: 159.656+/-0.000 χ^2/NDF:22277988507.6/61

All: 159.588+/-0.000 χ^2/NDF: 42128436527.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.840+/-0.000 χ^2/NDF: 3301894.0/31

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.836+/-0.000 χ^2/NDF: 3390676.4/36

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

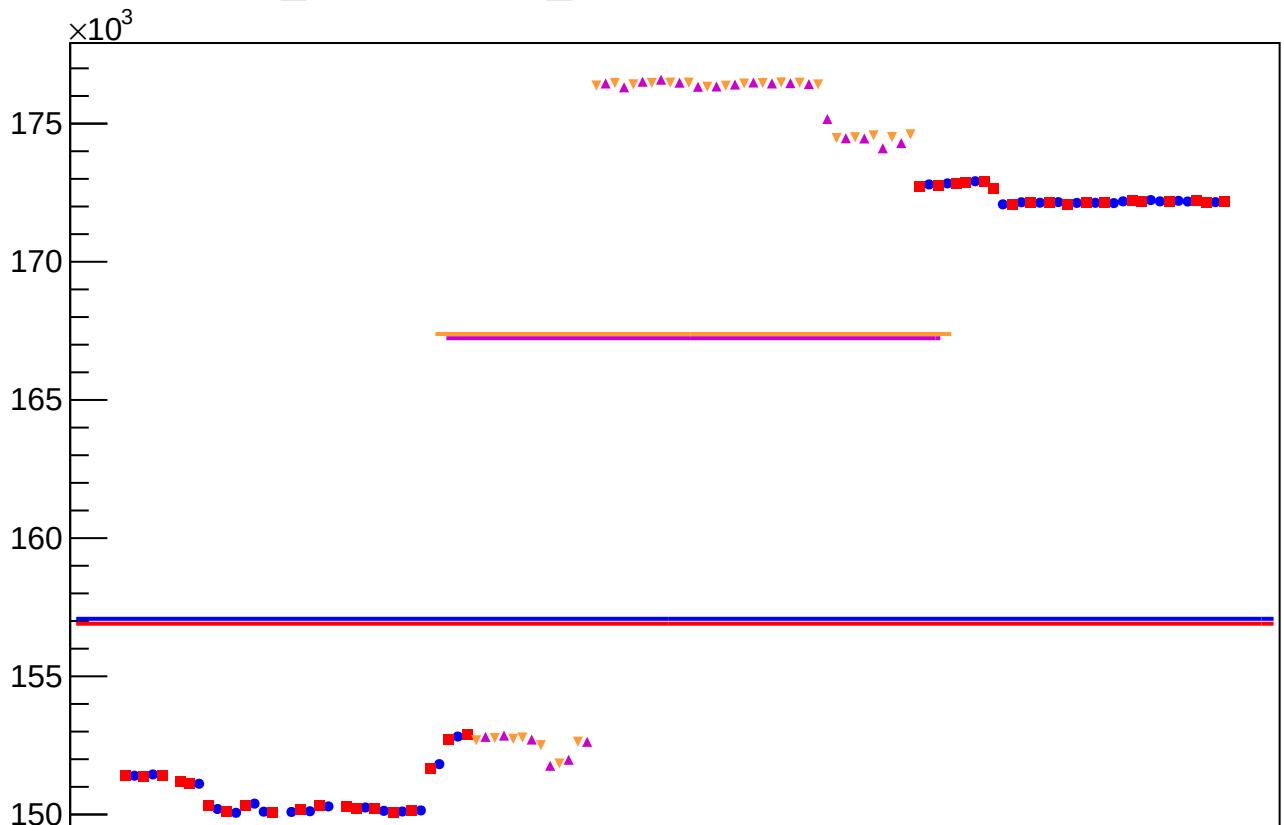
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.838+/-0.000 χ^2/NDF: 6692847.5/68

In: 0.793+/-0.000 χ^2/NDF:3922909.3/54

Out: 0.793+/-0.000 χ^2/NDF:4282995.3/61

All: 0.793+/-0.000 χ^2/NDF: 8205904.7/116



Right In: 157080.732+/-0.046 χ^2/NDF: 47634106854.6/31

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156904.381+/-0.043 χ^2/NDF: 53365512501.6/36

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

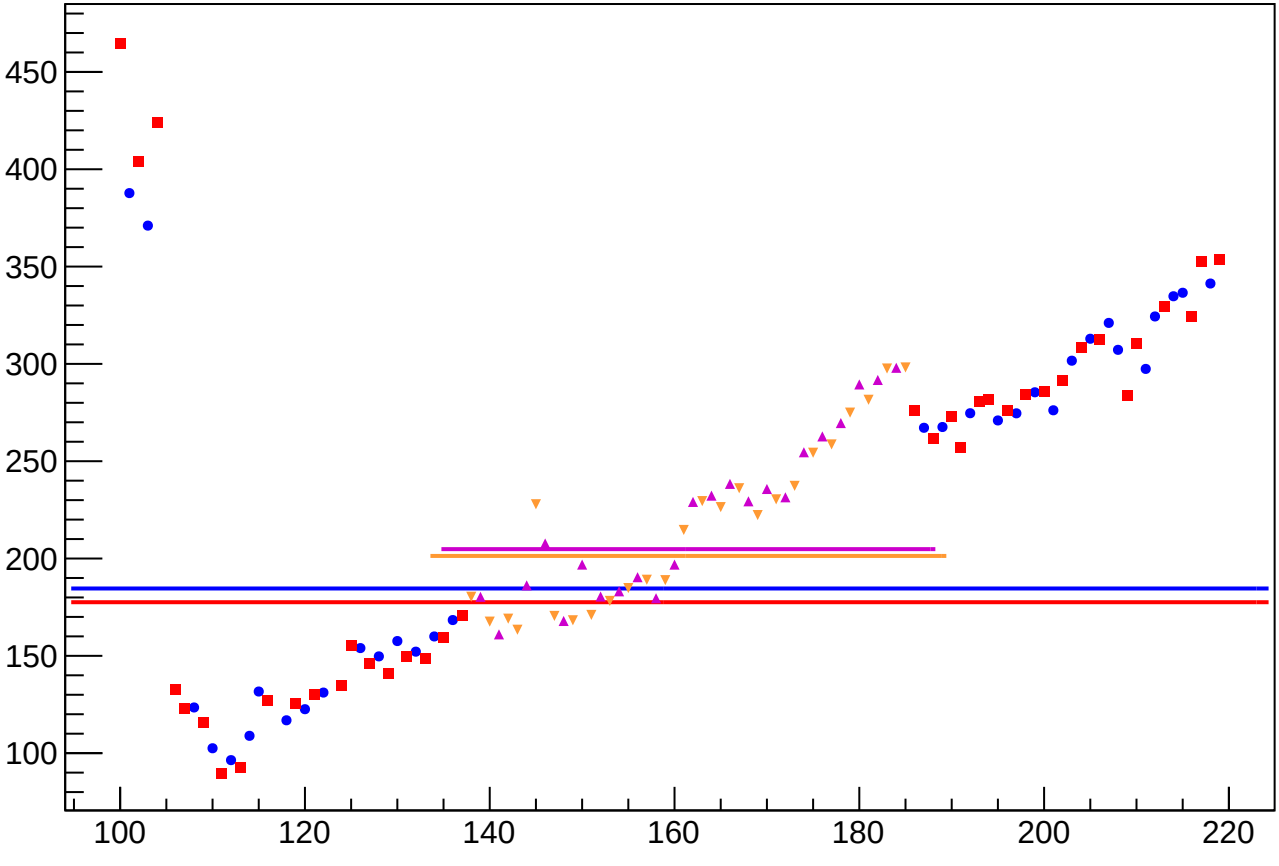
Right: 156987.057+/-0.031 χ^2/NDF: 101007533364

In: 161816.163+/-0.033 χ^2/NDF:125767316207.5

Out: 161700.257+/-0.032 χ^2/NDF:140252678430.

All: 161755.068+/-0.023 χ^2/NDF: 26602635

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 184.604+/-0.032 χ^2/NDF: 6893846.6/31

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 177.552+/-0.030 χ^2/NDF: 8021210.1/36

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

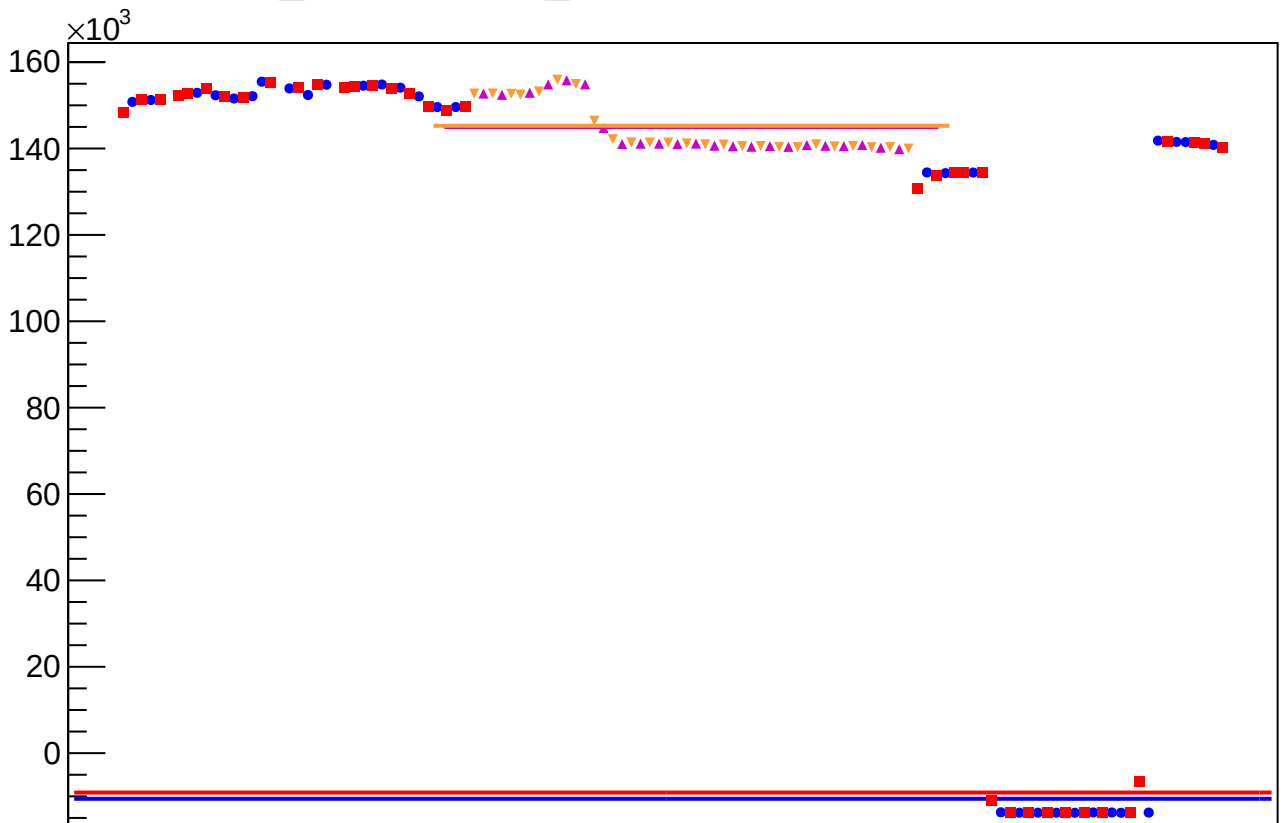
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 180.858+/-0.022 χ^2/NDF: 14940366.4/68

In: 194.035+/-0.024 χ^2/NDF:8129714.4/54

Out: 188.431+/-0.022 χ^2/NDF:9532694.0/61

All: 191.081+/-0.016 χ^2/NDF: 17692127.1/11



Right In: -10567.935+/-0.009 χ^2/NDF: 6683905702291.2/31

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9119.381+/-0.009 χ^2/NDF: 7852949154267.0/36

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

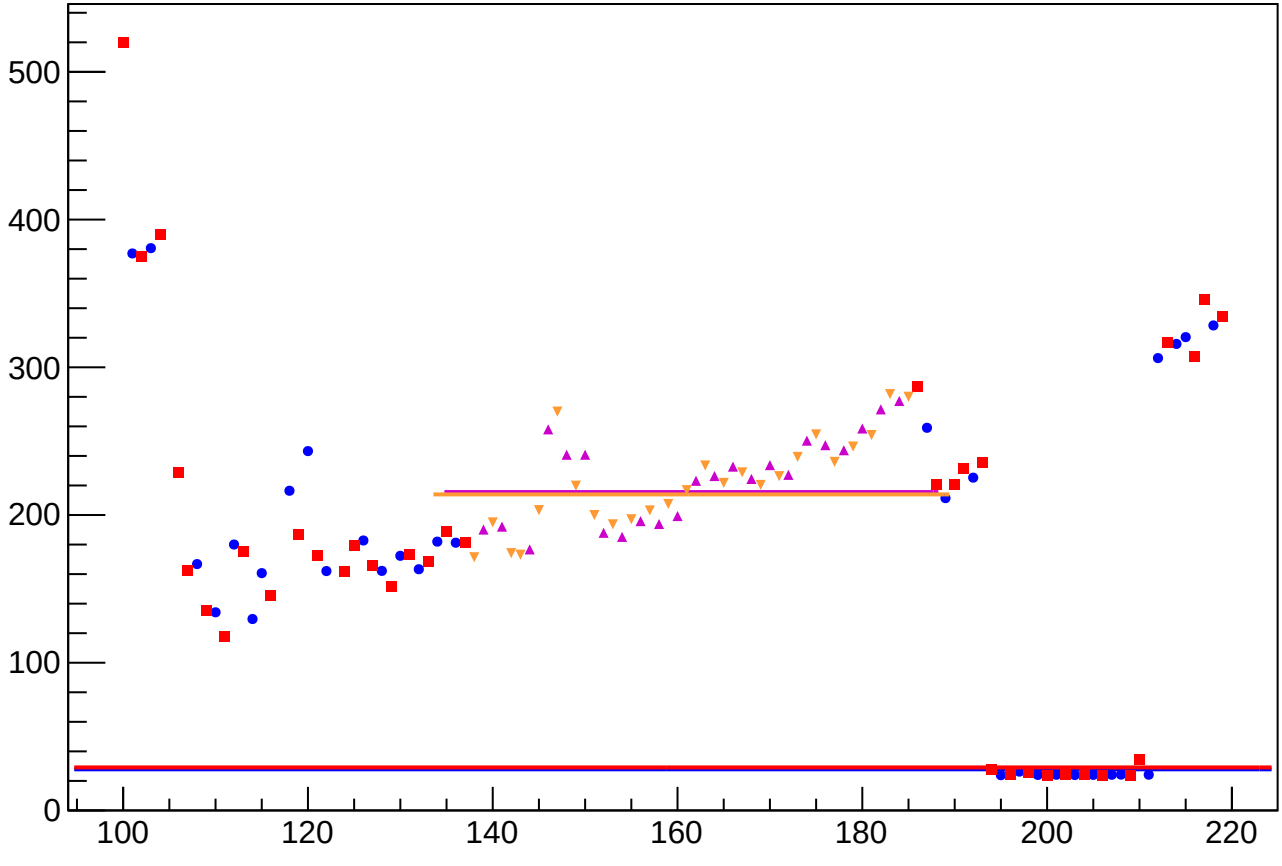
Right: -9894.430+/-0.006 χ^2/NDF: 1454963488983

In: -6167.526+/-0.009 χ^2/NDF:15662596223192.4

Out: -3752.186+/-0.009 χ^2/NDF:17299280929128

All: -5040.499+/-0.006 χ^2/NDF: 329985744

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 27.848+/-0.006 χ^2/NDF: 18525759.2/31

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 29.134+/-0.007 χ^2/NDF: 20048647.3/36

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

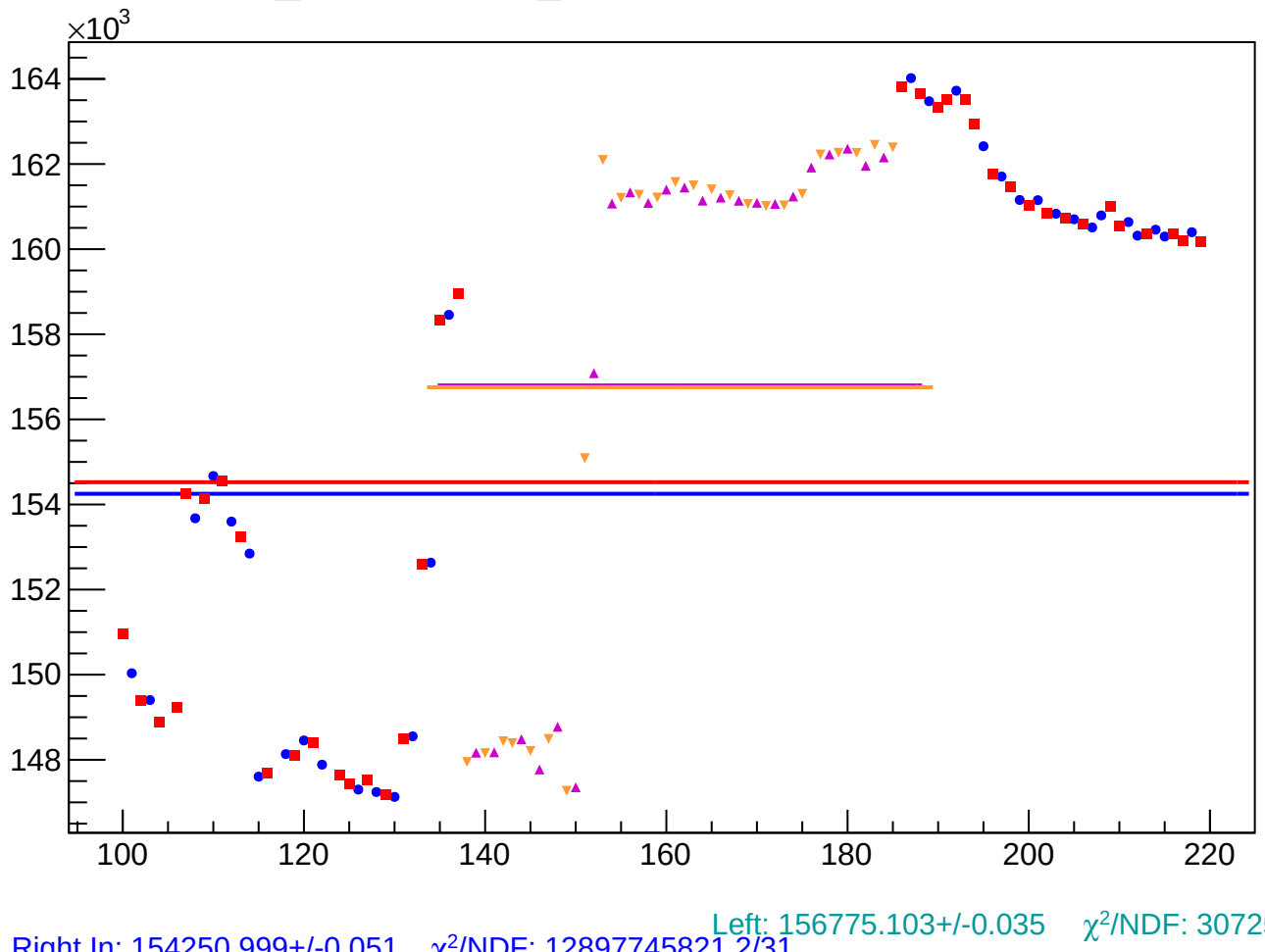
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.446+/-0.005 χ^2/NDF: 38594552.0/68

In: 33.158+/-0.006 χ^2/NDF:45238273.1/54

Out: 35.559+/-0.007 χ^2/NDF:47733446.9/61

All: 34.278+/-0.004 χ^2/NDF: 93044234.8/116



Right In: 154250.999+/-0.051 χ^2/NDF: 12897745821.2/31

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 154523.179+/-0.049 χ^2/NDF: 13795921348.8/36

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

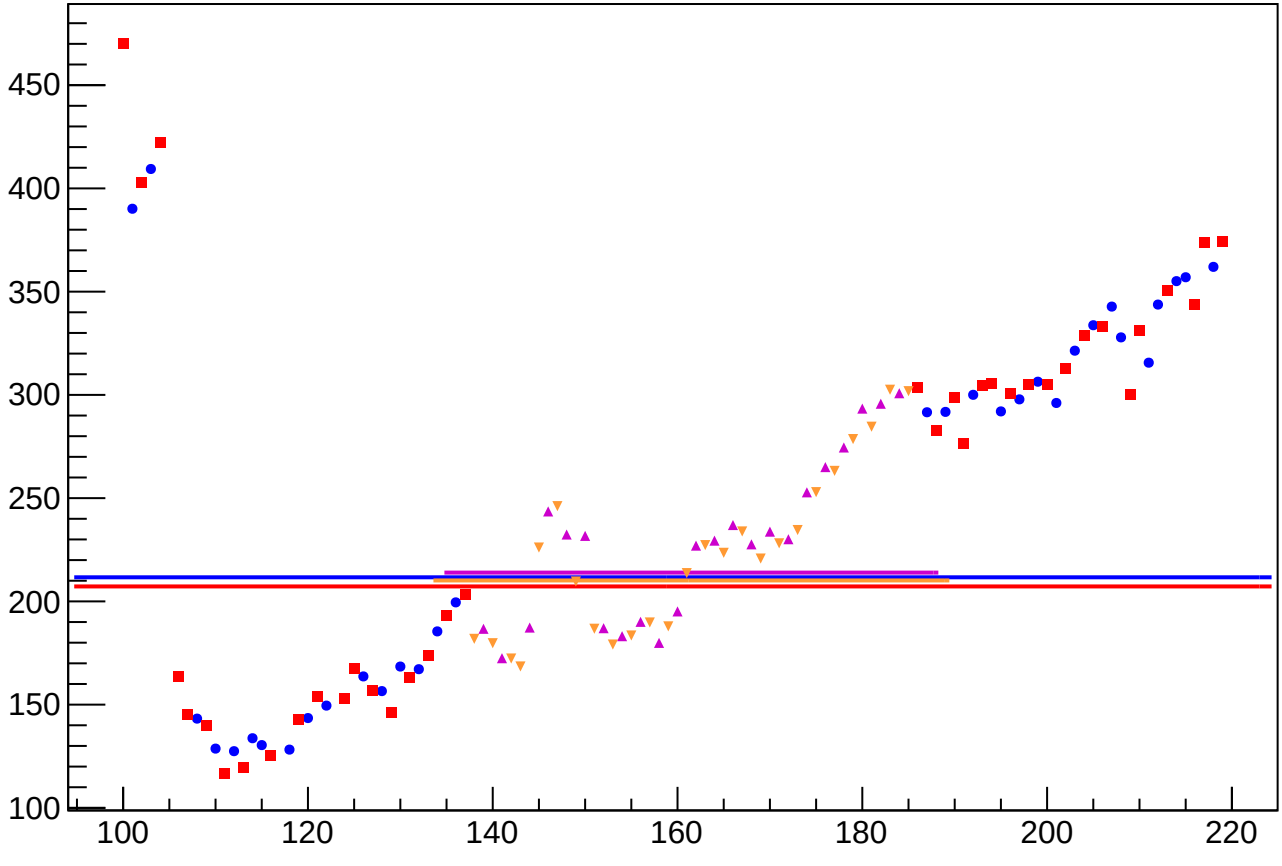
Right: 154393.400+/-0.036 χ^2/NDF: 26708309336.

In: 155536.895+/-0.036 χ^2/NDF:28479136449.6/5

Out: 155649.597+/-0.035 χ^2/NDF:31218463515.1

All: 155595.860+/-0.025 χ^2/NDF: 59702670

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 211.665+/-0.036 χ^2/NDF: 5714865.8/31

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 207.241+/-0.035 χ^2/NDF: 6400022.2/36

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

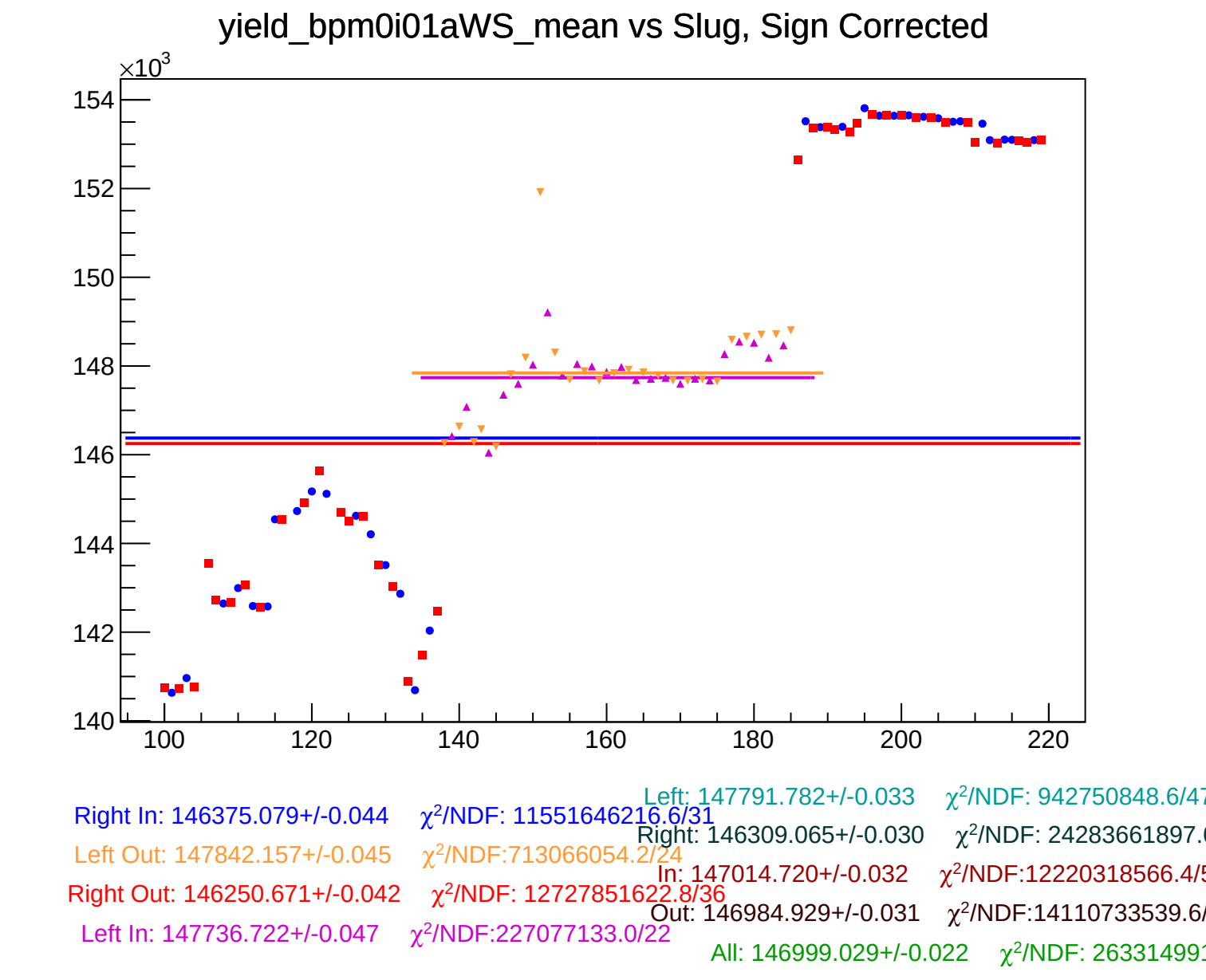
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

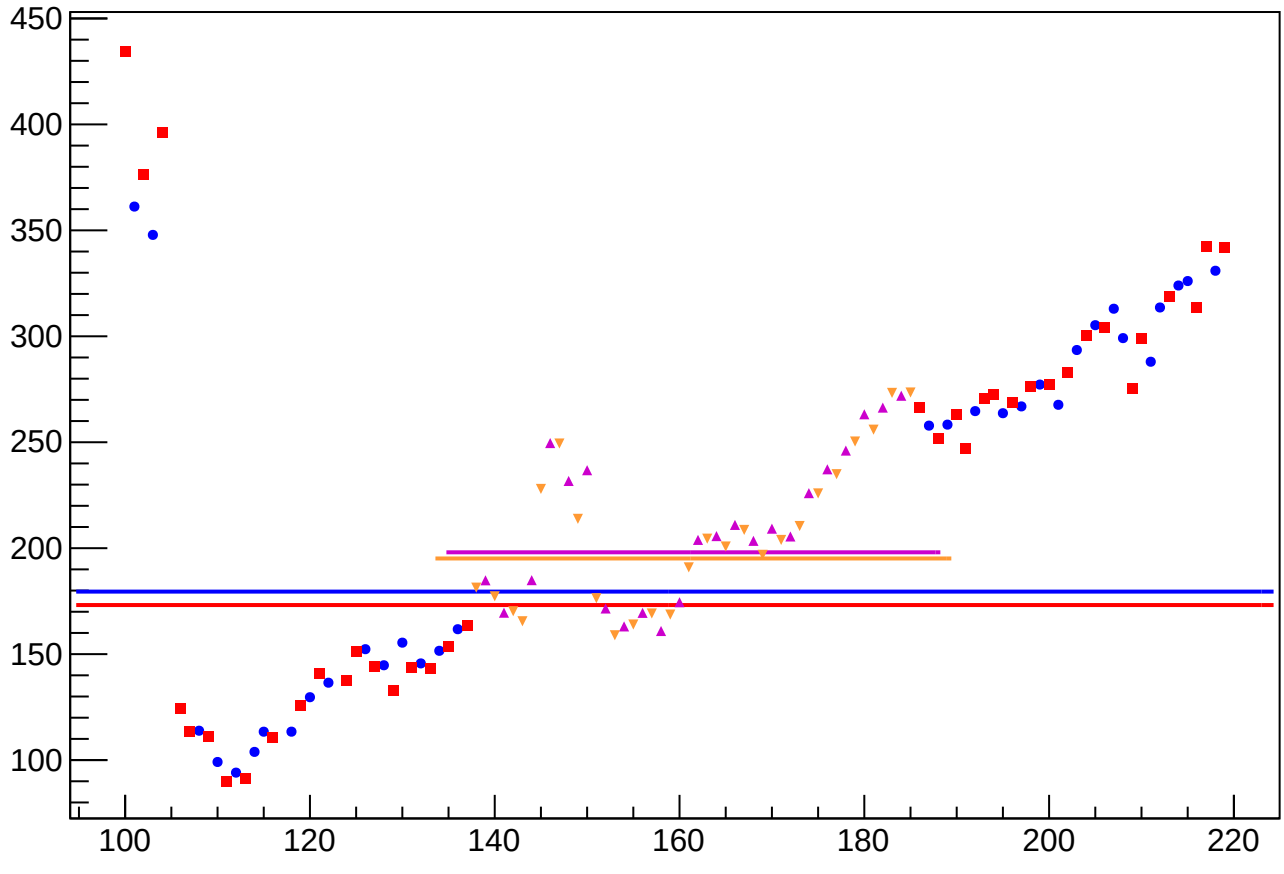
Right: 209.351+/-0.025 χ^2/NDF: 12122624.6/68

In: 212.816+/-0.026 χ^2/NDF:6631313.9/54

Out: 208.706+/-0.024 χ^2/NDF:7401346.8/61

All: 210.666+/-0.018 χ^2/NDF: 14046150.0/1


yield_bpm0i01aWS_mean vs Slug, Sign Corrected
×10^3
154
152
150
148
146
144
142
140
100
120
140
160
180
200
220
Right In: 146375.079+/-0.044 χ²/NDF: 11551646216.6/31
Left Out: 147842.157+/-0.045 χ²/NDF:713066054.2/24
Right Out: 146250.671+/-0.042 χ²/NDF: 12727851622.8/36
Left In: 147736.722+/-0.047 χ²/NDF:227077133.0/22
Left: 147791.782+/-0.033 χ²/NDF: 942750848.6/47
Right: 146309.065+/-0.030 χ²/NDF: 24283661897.
In: 147014.720+/-0.032 χ²/NDF:12220318566.4/5
Out: 146984.929+/-0.031 χ²/NDF:14110733539.6/
All: 146999.029+/-0.022 χ²/NDF: 26331499



Right In: 179.511+/-0.031 χ^2/NDF: 6824091.8/31

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 173.168+/-0.030 χ^2/NDF: 7840551.3/36

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

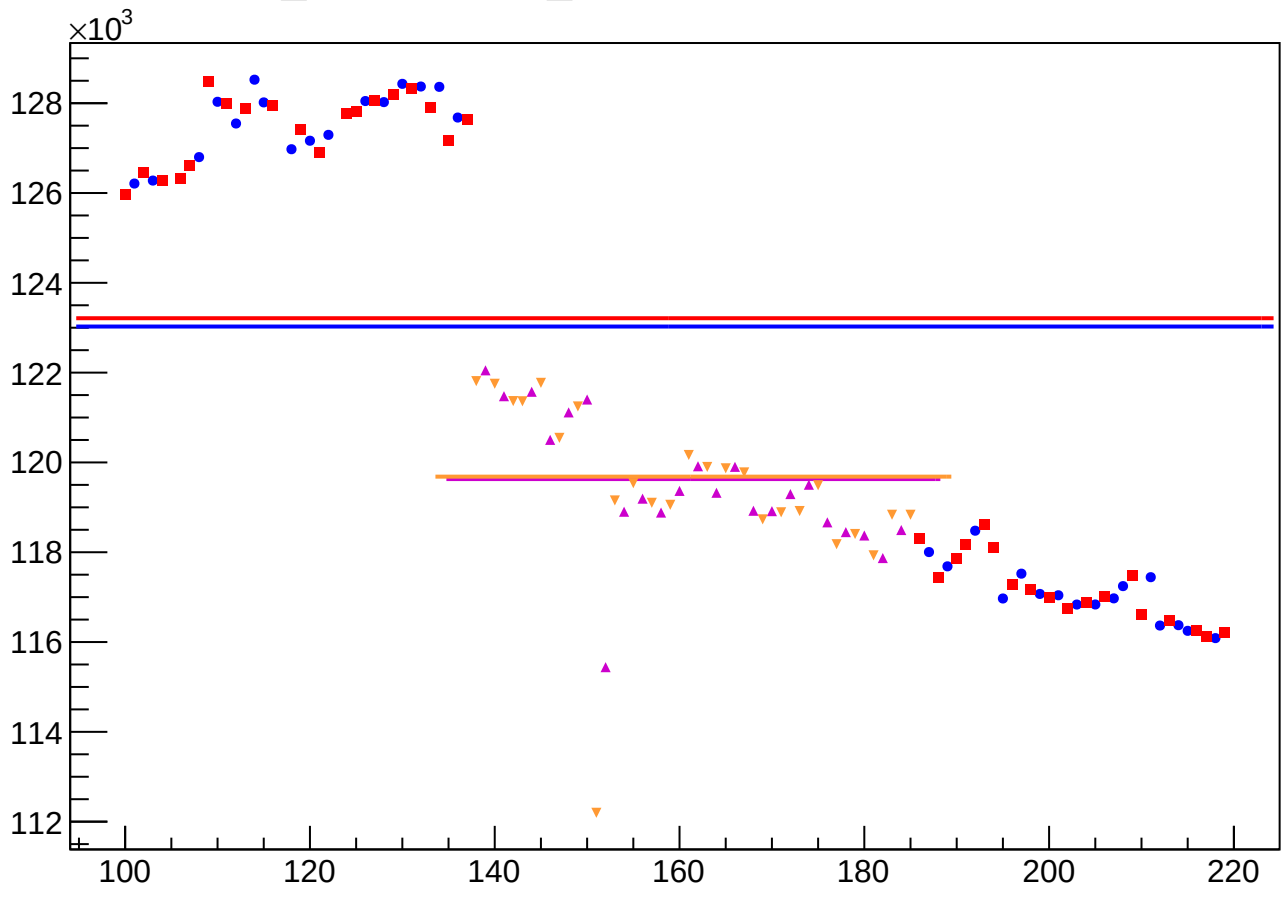
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 176.145+/-0.022 χ^2/NDF: 14686297.7/68

In: 188.223+/-0.023 χ^2/NDF:7888283.0/54

Out: 183.307+/-0.022 χ^2/NDF:9000022.4/61

All: 185.634+/-0.016 χ^2/NDF: 16912646.7/11



Right In: 123026.585+/-0.044 χ^2/NDF: 14741882532.2/31

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 123211.466+/-0.042 χ^2/NDF: 16053832372.4/36

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

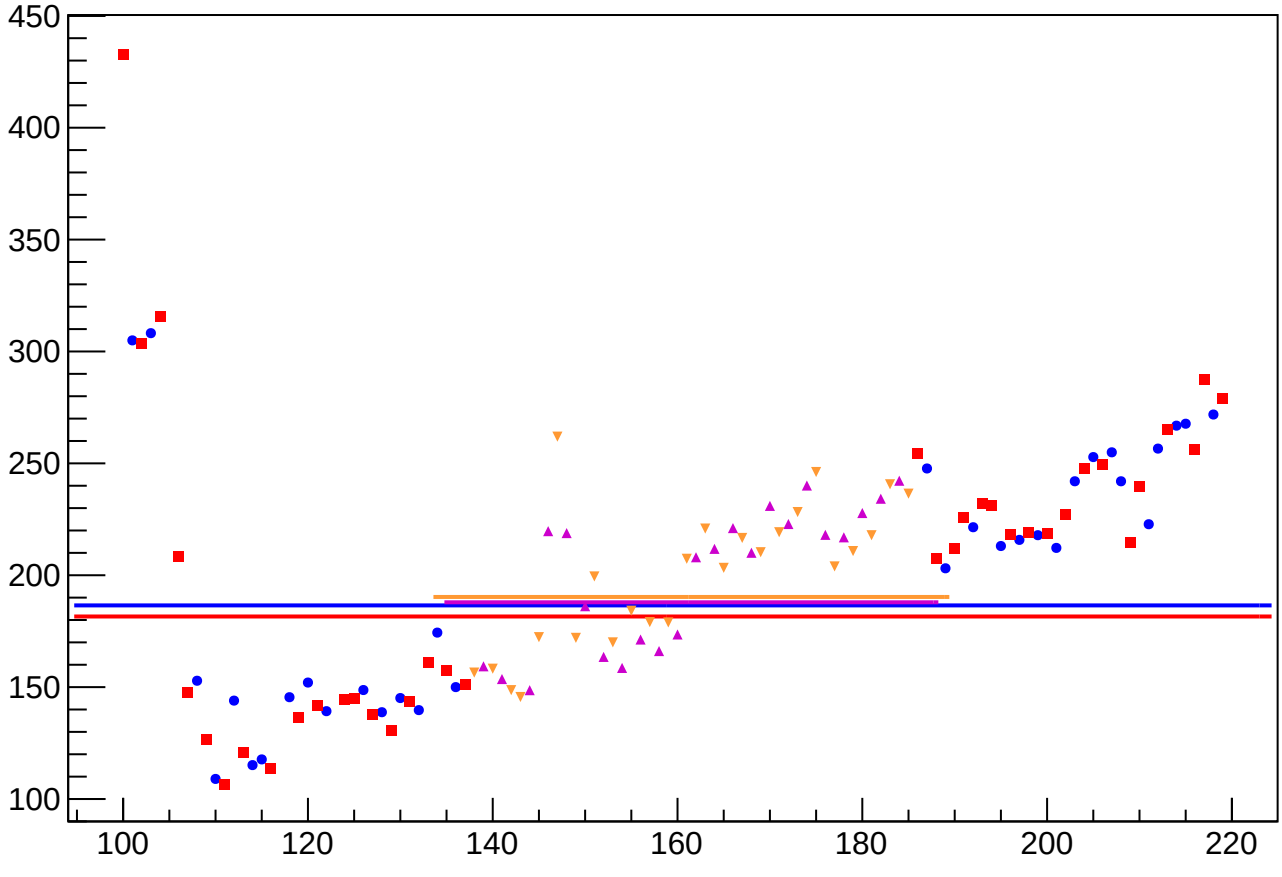
Right: 123123.726+/-0.030 χ^2/NDF: 30805127421.

In: 121378.076+/-0.031 χ^2/NDF:18993993687.1/5

Out: 121560.506+/-0.030 χ^2/NDF:21419504980.3

All: 121472.423+/-0.022 χ^2/NDF: 40431023

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 186.523+/-0.031 χ^2/NDF: 2959248.7/31

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 181.569+/-0.029 χ^2/NDF: 3716483.5/36

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

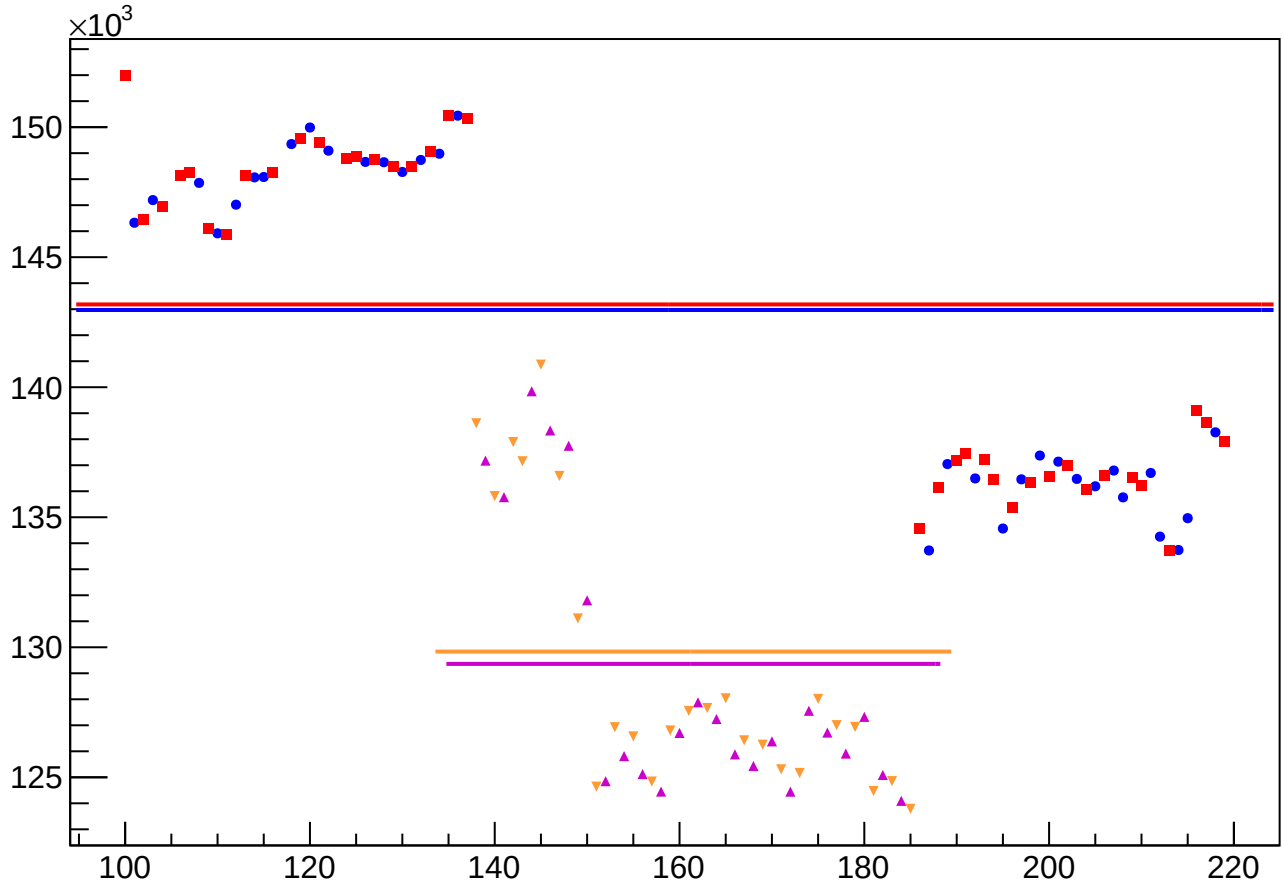
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 183.920+/-0.021 χ^2/NDF: 6689252.7/68

In: 187.196+/-0.022 χ^2/NDF:3886262.2/54

Out: 185.653+/-0.021 χ^2/NDF:4682406.3/61

All: 186.398+/-0.015 χ^2/NDF: 8571173.5/116



Right In: 142969.650+/-0.061 χ^2/NDF: 10671529101.5/31

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 143183.537+/-0.058 χ^2/NDF: 10675208279.5/36

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

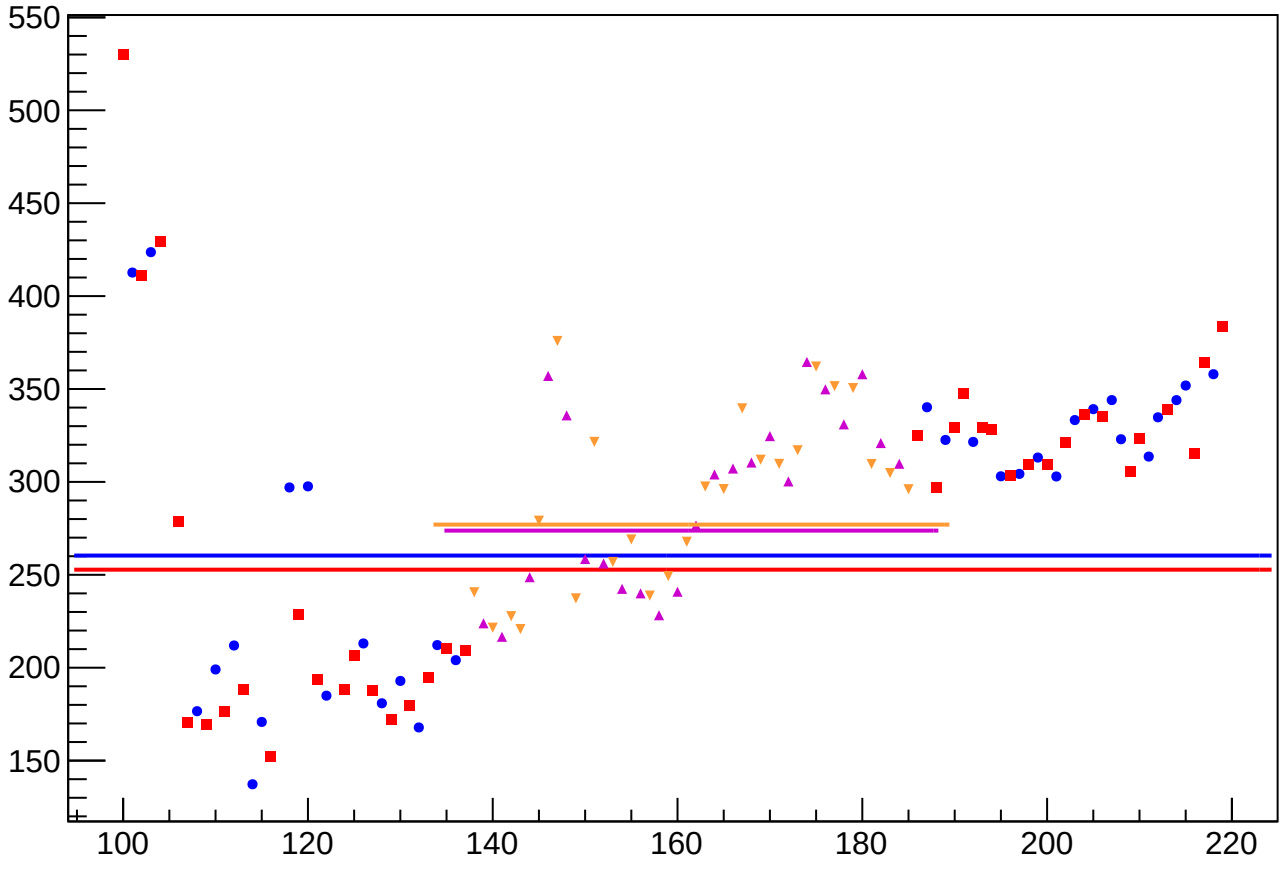
Right: 143082.572+/-0.042 χ^2/NDF: 21353246988.

In: 136643.117+/-0.045 χ^2/NDF:40502914364.9/5

Out: 137230.393+/-0.043 χ^2/NDF:41423616036.1

All: 136948.082+/-0.031 χ^2/NDF: 820167339

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 260.355+/-0.043 χ^2/NDF: 2931131.1/31

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 252.766+/-0.041 χ^2/NDF: 3403553.3/36

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

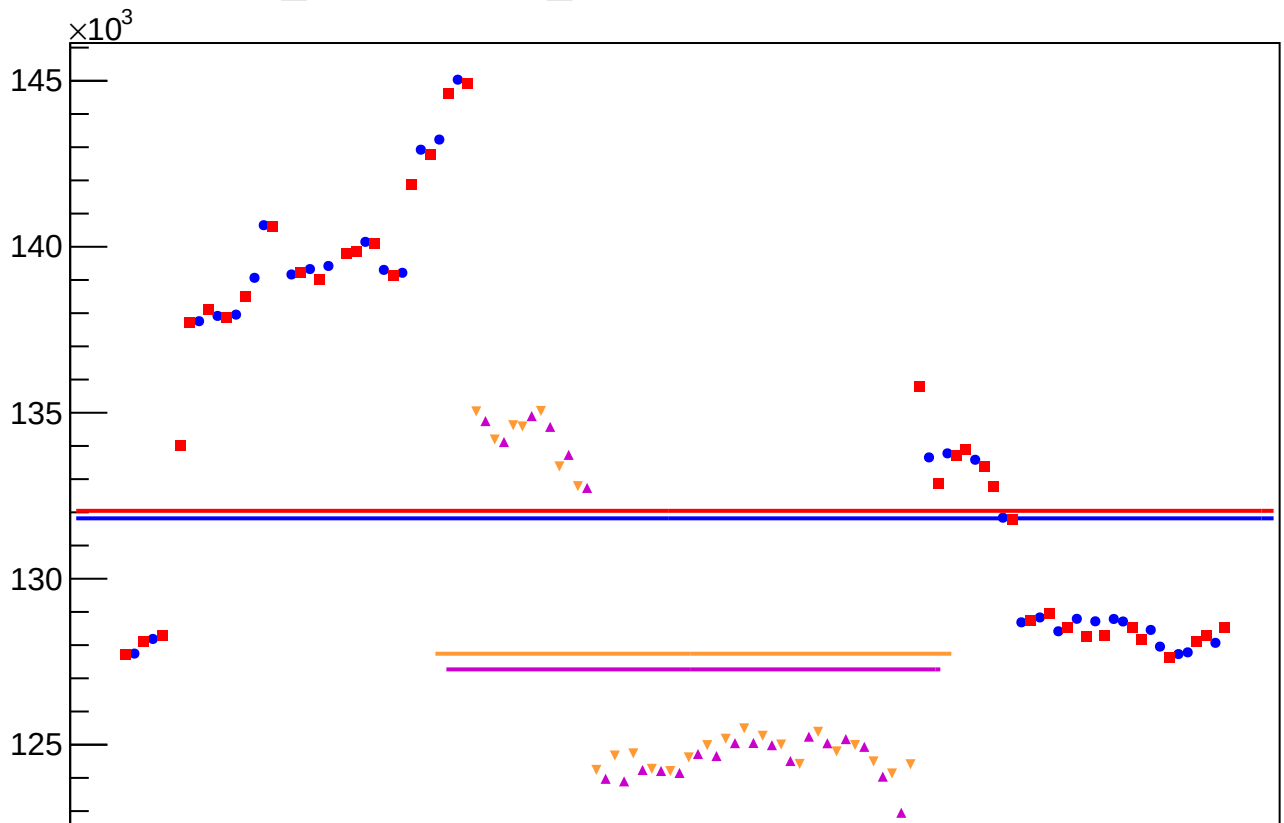
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 256.348+/-0.030 χ^2/NDF: 6351070.7/68

In: 266.598+/-0.032 χ^2/NDF:3980238.0/54

Out: 263.583+/-0.030 χ^2/NDF:4508318.3/61

All: 265.032+/-0.022 χ^2/NDF: 8493310.8/116



Right In: 131818.980+/-0.097 χ^2/NDF: 2966698650.1/31

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 132045.486+/-0.097 χ^2/NDF: 2258714248.2/36

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

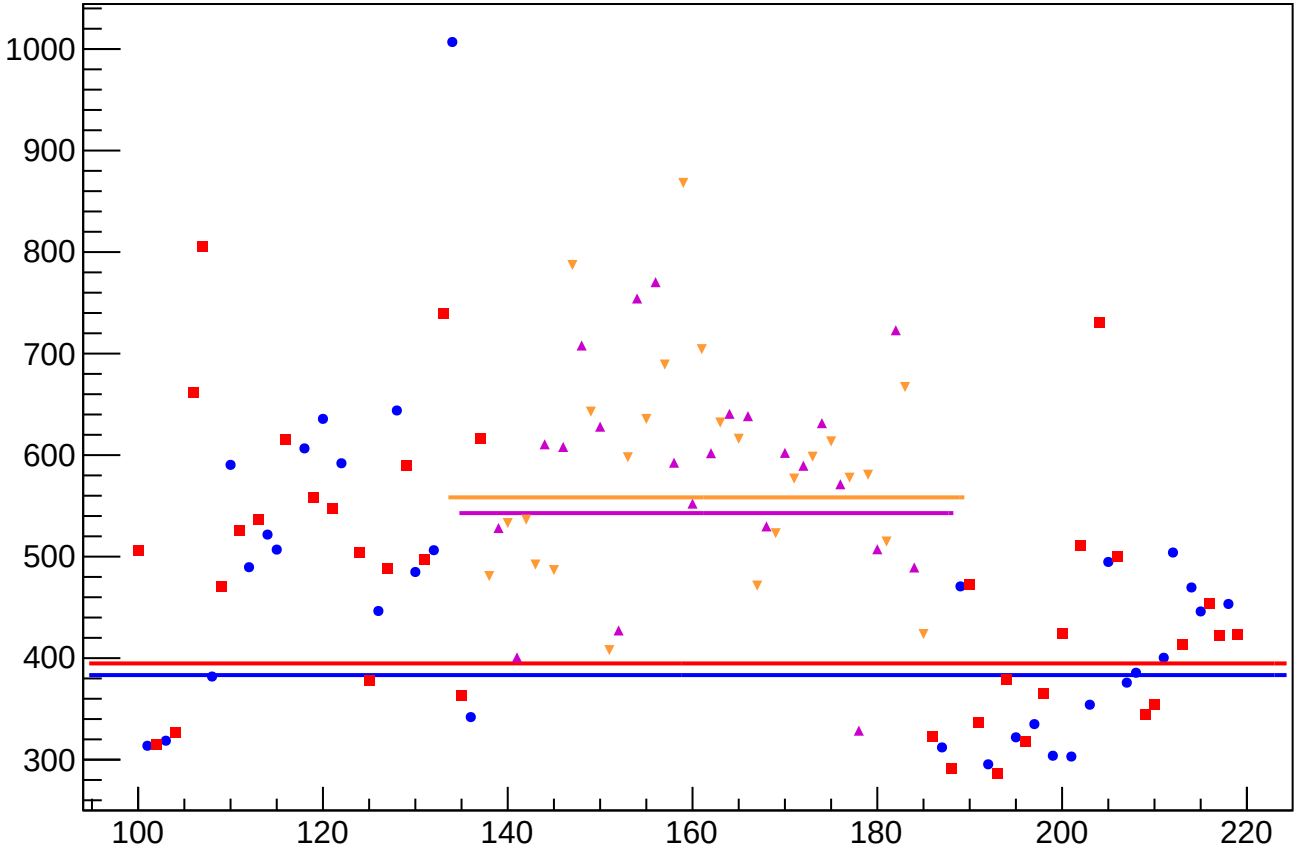
Right: 131931.790+/-0.068 χ^2/NDF: 5228148842.8/

In: 130330.394+/-0.079 χ^2/NDF:4663392039.1/54

Out: 130587.743+/-0.079 χ^2/NDF:4017848130.1/6

All: 130459.677+/-0.056 χ^2/NDF: 868653455

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 383.318+/-0.068 χ^2/NDF: 1796266.3/31

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 394.801+/-0.069 χ^2/NDF: 2040800.3/36

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

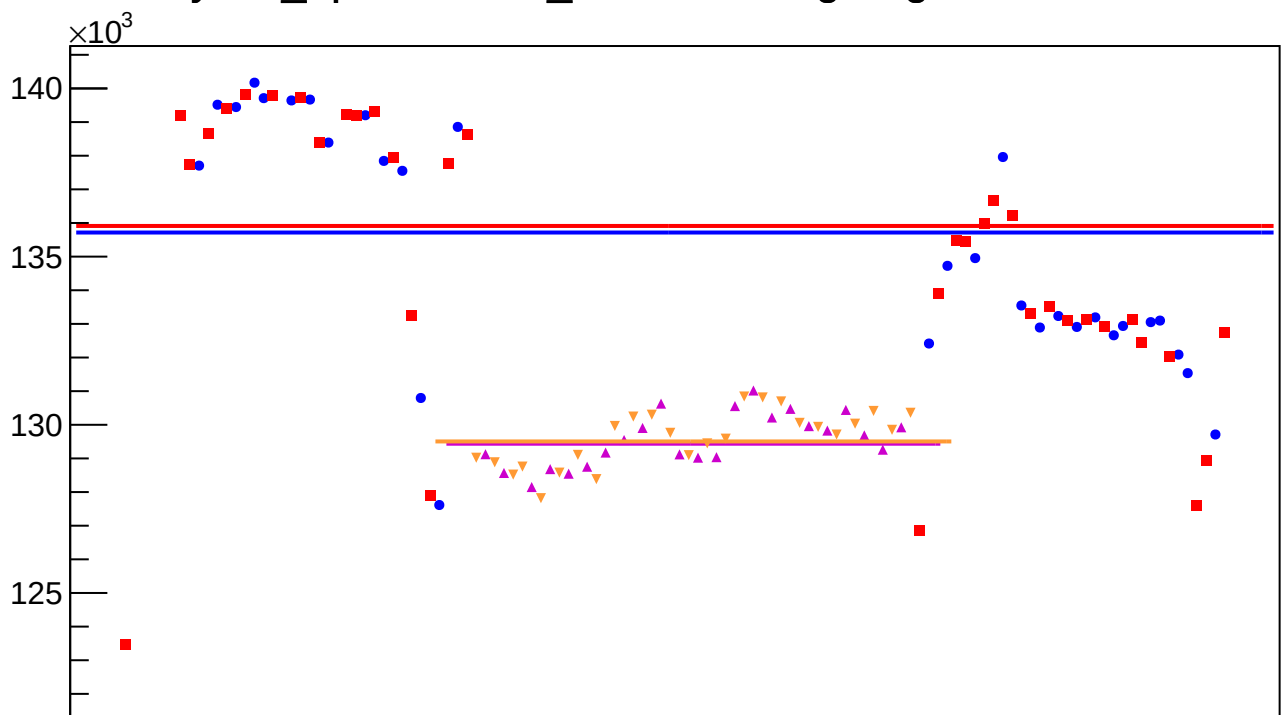
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 389.037+/-0.048 χ^2/NDF: 3851132.0/68

In: 435.513+/-0.056 χ^2/NDF:4996370.4/54

Out: 450.198+/-0.056 χ^2/NDF:4934404.6/61

All: 442.890+/-0.040 χ^2/NDF: 9965255.3/116



Right In: 135716.532+/-0.056 χ^2/NDF: 7056630394.6/31

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 135911.818+/-0.053 χ^2/NDF: 7856929614.9/36

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

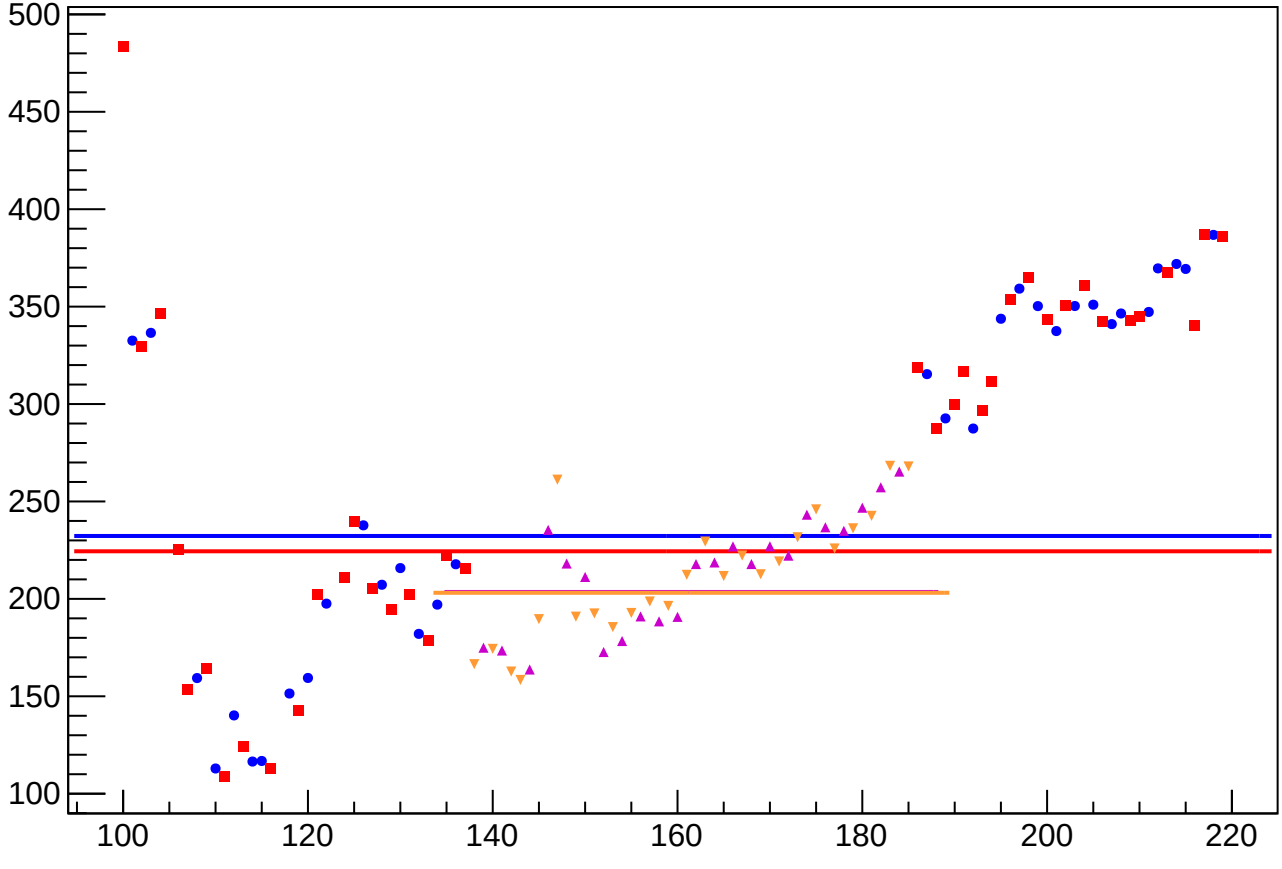
Right: 135819.823+/-0.039 χ^2/NDF: 14919886466.8

In: 132098.876+/-0.037 χ^2/NDF:14449938975.7/5

Out: 132308.016+/-0.035 χ^2/NDF:16287234708.0

All: 132207.840+/-0.025 χ^2/NDF: 30754036

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 232.285+/-0.040 χ^2/NDF: 5414439.4/31

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 224.421+/-0.038 χ^2/NDF: 6325746.0/36

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

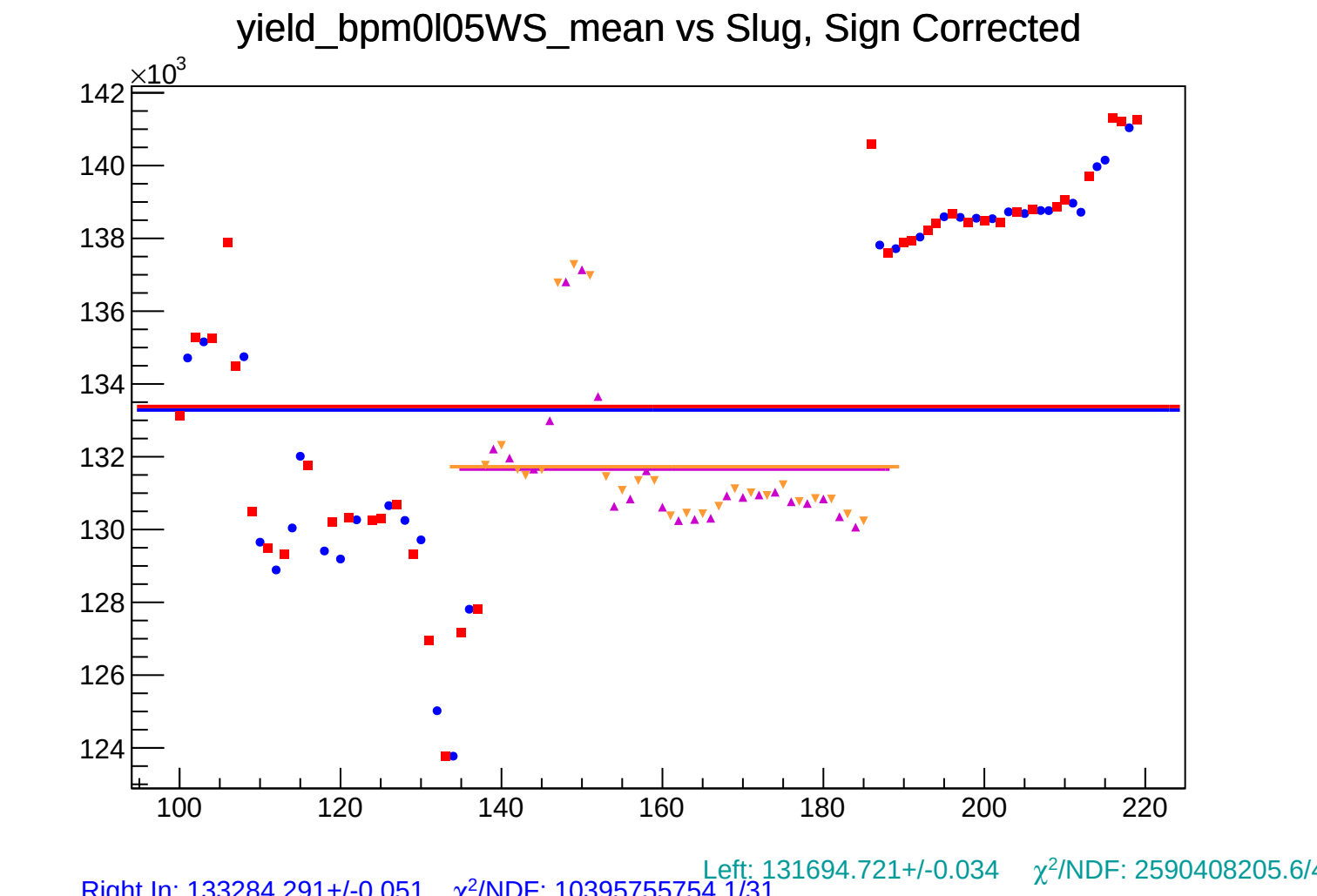
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 228.125+/-0.027 χ^2/NDF: 11760704.0/68

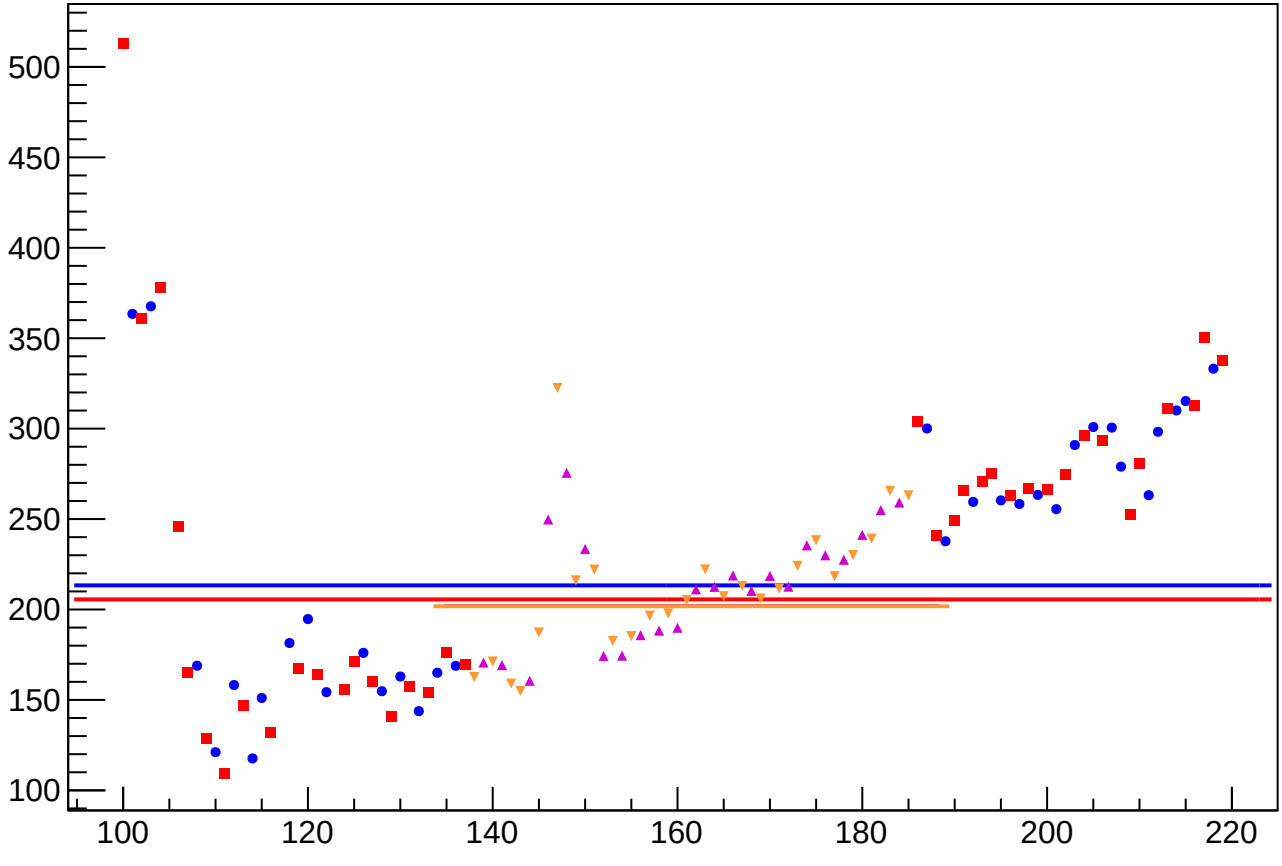
In: 215.727+/-0.026 χ^2/NDF:6378964.8/54

Out: 212.444+/-0.025 χ^2/NDF:7263788.9/61

All: 214.017+/-0.018 χ^2/NDF: 13651063.1/11


yield_bpm0l05WS_mean vs Slug, Sign Corrected
×10^3
142
140
138
136
134
132
130
128
126
124
100
120
140
160
180
200
220
Right In: 133284.291+/-0.051 χ²/NDF: 10395755754.1/31
Left Out: 131727.086+/-0.047 χ²/NDF:1425045697.6/24
Right Out: 133380.842+/-0.048 χ²/NDF: 10923268045.2/36
Left In: 131660.490+/-0.048 χ²/NDF:1164380319.7/22
Left: 131694.721+/-0.034 χ²/NDF: 2590408205.6/4
Right: 133335.320+/-0.035 χ²/NDF: 21320954945.9
In: 132434.007+/-0.035 χ²/NDF:12101305990.6/5
Out: 132538.889+/-0.033 χ²/NDF:12960085784.9
All: 132488.654+/-0.024 χ²/NDF: 25066107

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 213.336+/-0.036 χ^2/NDF: 3560458.3/31

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 205.584+/-0.034 χ^2/NDF: 4651509.2/36

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 209.239+/-0.025 χ^2/NDF: 8236864.8/68

In: 207.372+/-0.025 χ^2/NDF:4416401.1/54

Out: 203.656+/-0.024 χ^2/NDF:5563273.4/61

All: 205.436+/-0.017 χ^2/NDF: 9991512.7/116

Right In: 3515.729+/-0.005 χ^2/NDF: 5608905928654.3/31

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 3969.416+/-0.005 χ^2/NDF: 6454135559593.5/36

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

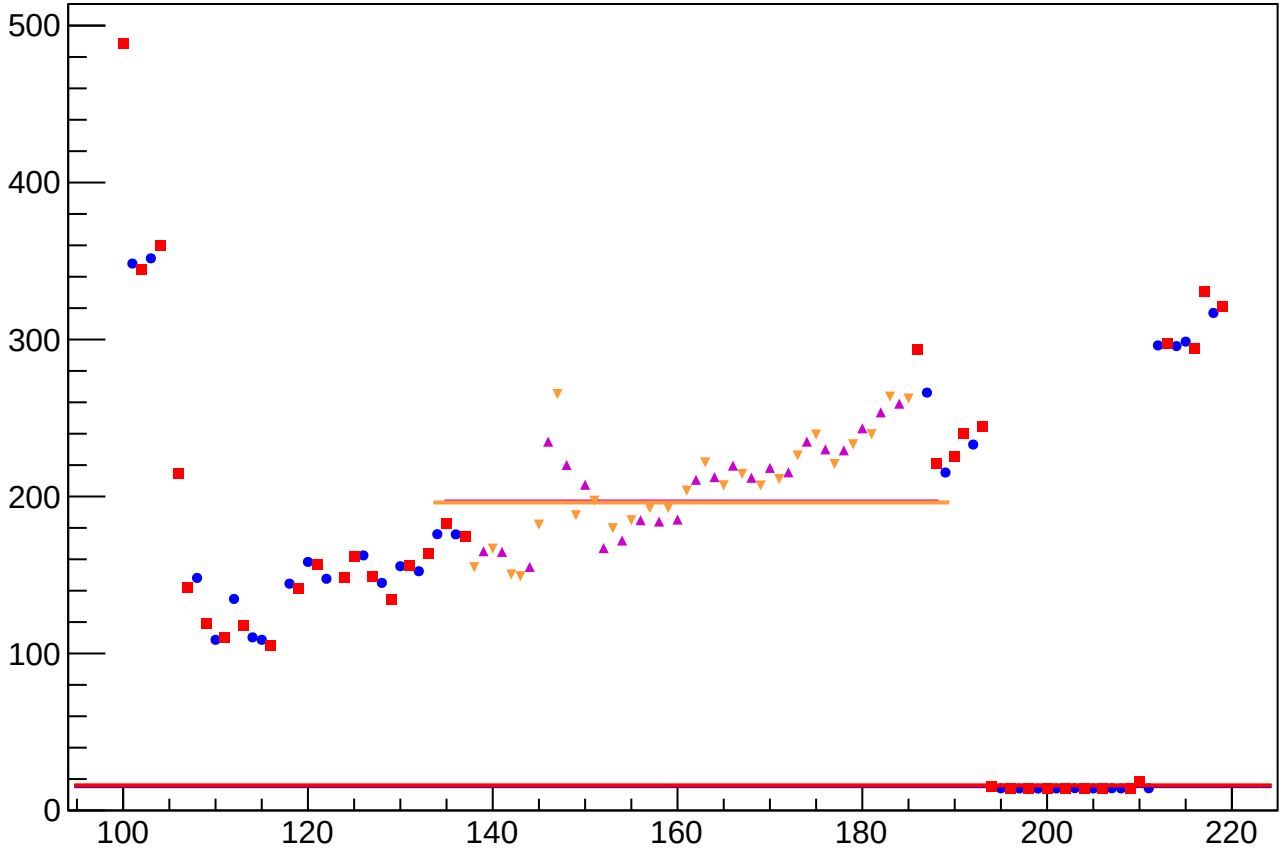
Right: 3725.427+/-0.004 χ^2/NDF: 12066766217195

In: 4953.844+/-0.005 χ^2/NDF:12662646185312.2

Out: 5740.239+/-0.005 χ^2/NDF:13907707840694.

All: 5317.852+/-0.004 χ^2/NDF: 2658169136

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 15.481+/-0.004 χ^2/NDF: 20731702.8/31

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 15.992+/-0.004 χ^2/NDF: 22576644.9/36

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

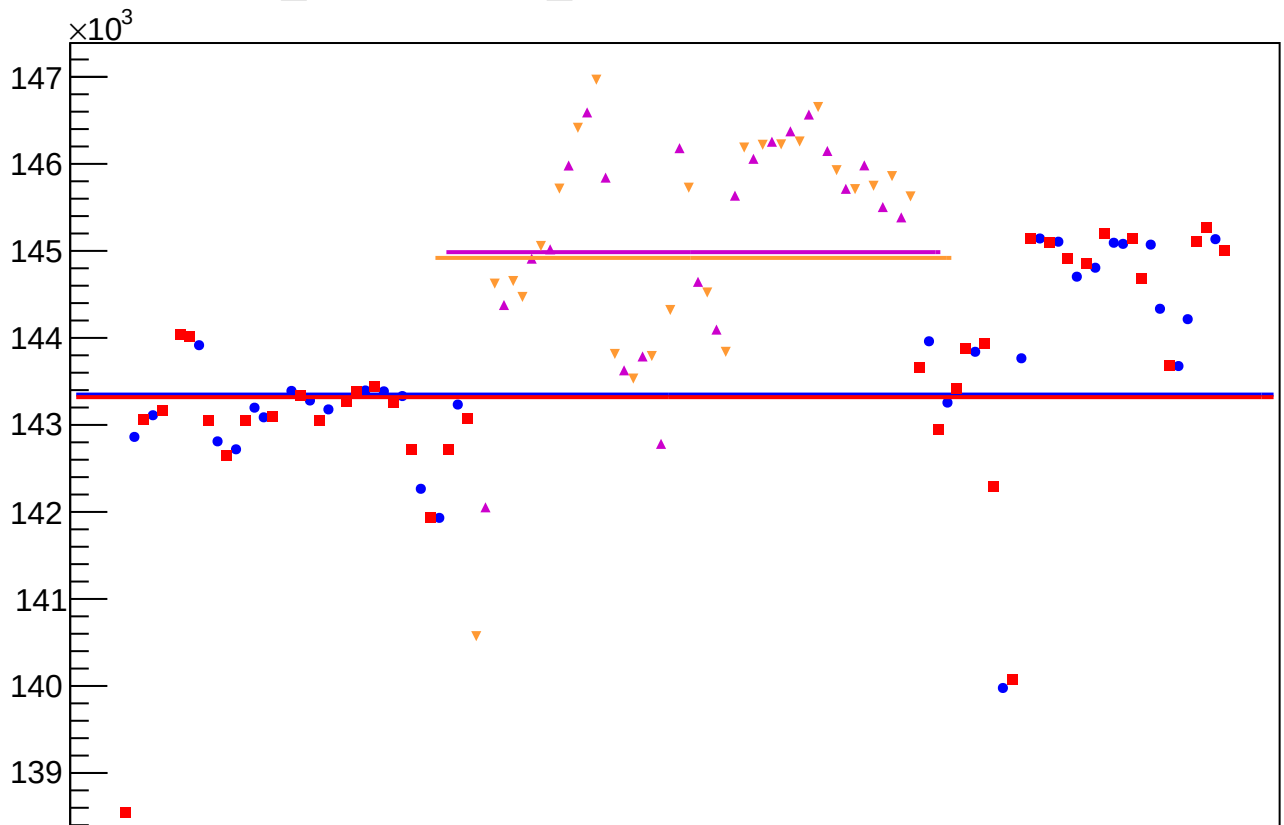
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 15.717+/-0.003 χ^2/NDF: 43317808.9/68

In: 17.563+/-0.004 χ^2/NDF:51071631.0/54

Out: 18.544+/-0.004 χ^2/NDF:54440925.3/61

All: 18.017+/-0.003 χ^2/NDF: 105547809.5/11



Right In: 143348.718+/-0.055 χ^2/NDF: 300290162.6/31

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143319.087+/-0.051 χ^2/NDF: 335885206.3/36

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

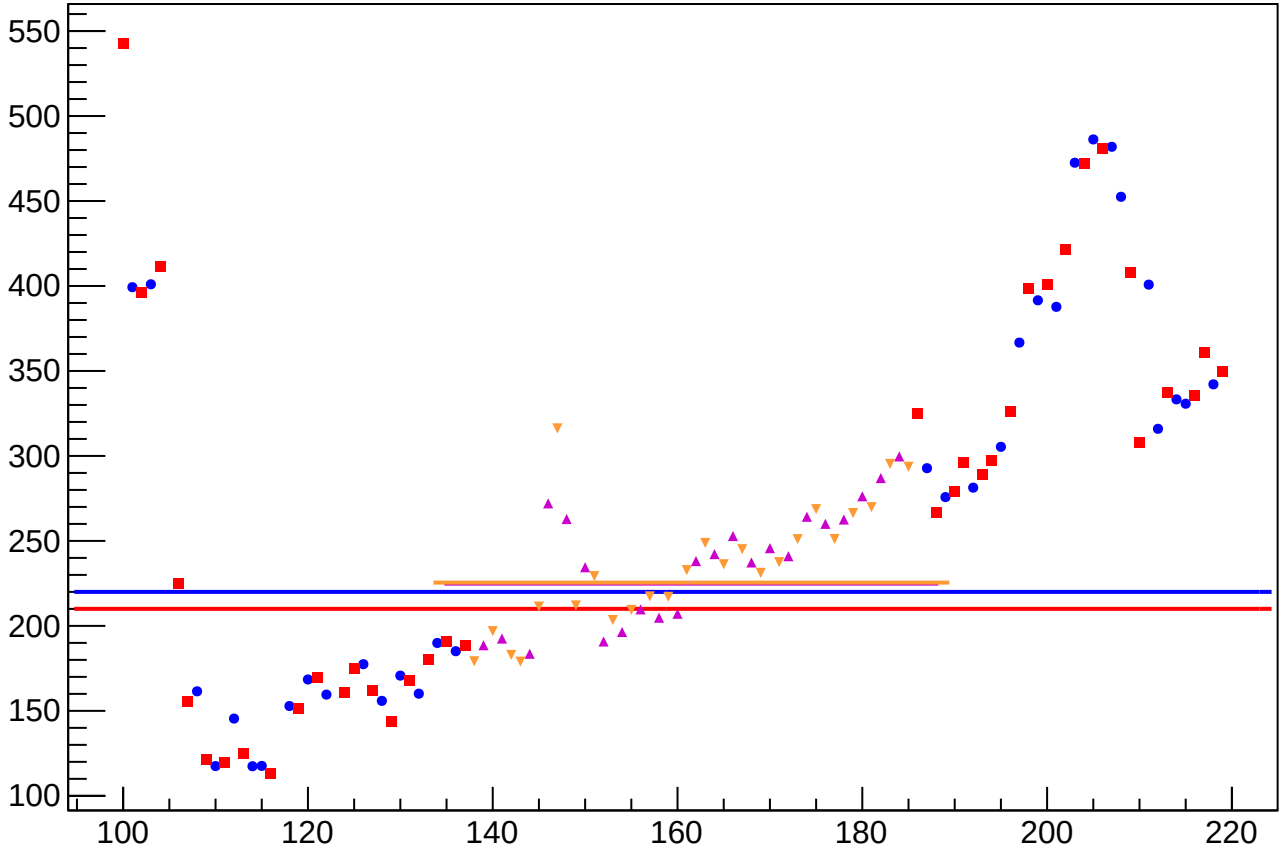
Right: 143332.845+/-0.037 χ^2/NDF: 636333506.4/6

In: 144181.726+/-0.038 χ^2/NDF:1377504717.7/54

Out: 144096.666+/-0.036 χ^2/NDF:1654065521.9/6

All: 144137.132+/-0.026 χ^2/NDF: 30341670

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 220.007+/-0.039 χ^2/NDF: 6878844.2/31

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 210.032+/-0.036 χ^2/NDF: 7747646.7/36

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

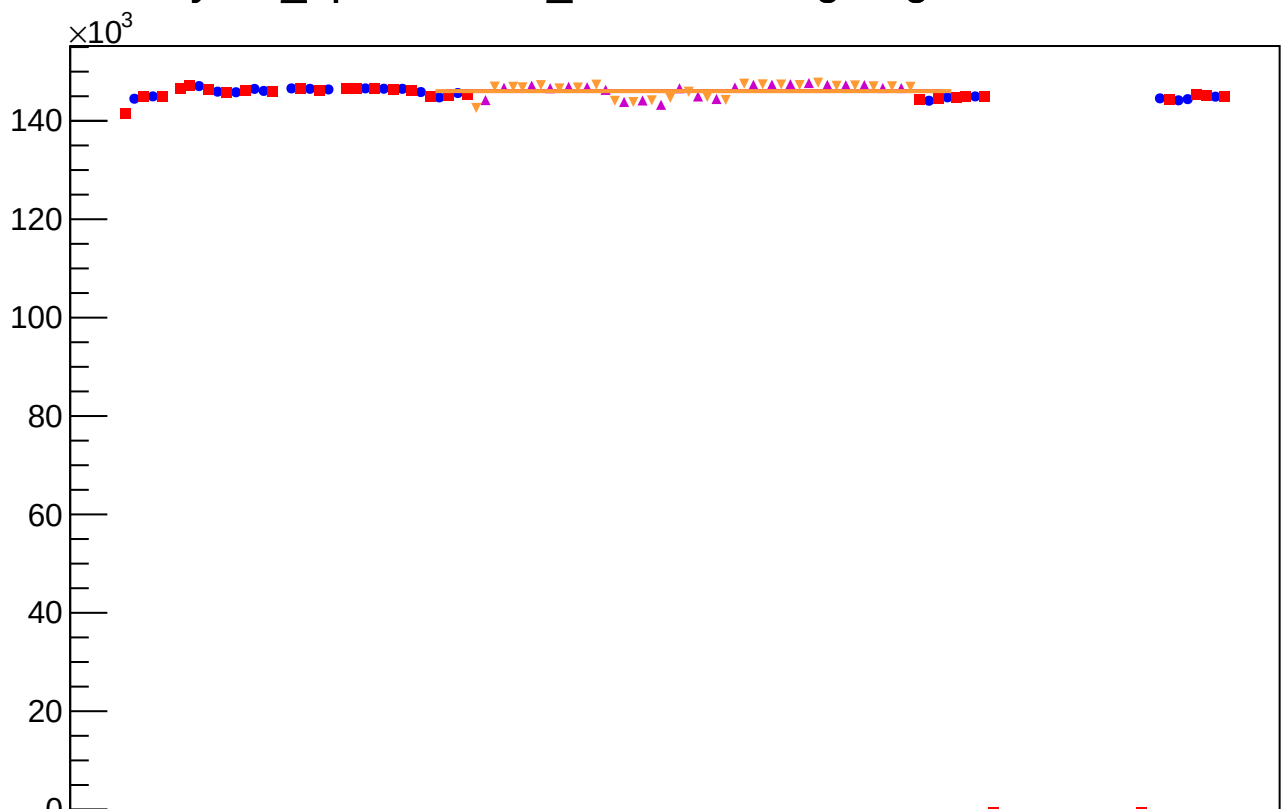
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 214.663+/-0.026 χ^2/NDF: 14662329.5/68

In: 222.481+/-0.027 χ^2/NDF:7610749.4/54

Out: 217.537+/-0.026 χ^2/NDF:8612944.5/61

All: 219.889+/-0.019 χ^2/NDF: 16241240.2/11



Right In: -937.090+/-0.003 χ^2/NDF: 6048627799918.9/31

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -832.721+/-0.003 χ^2/NDF: 7070981053921.7/36

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

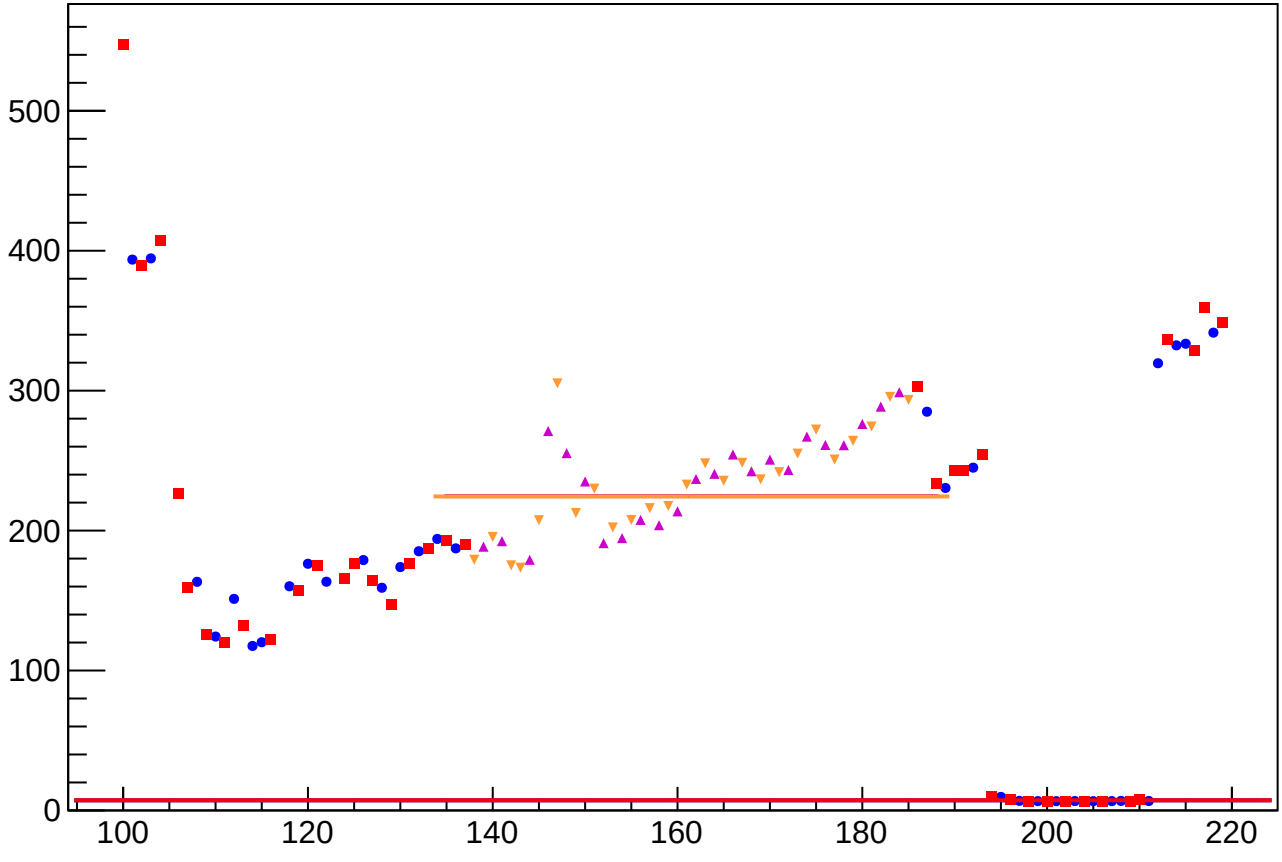
Right: -888.559+/-0.002 χ^2/NDF: 13120417104615

In: -616.699+/-0.003 χ^2/NDF:13564532911233.4/

Out: -442.265+/-0.003 χ^2/NDF:15025557341789.0

All: -535.567+/-0.002 χ^2/NDF: 28592353466

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 7.228+/-0.002 χ^2/NDF: 22812627.8/31

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 7.297+/-0.002 χ^2/NDF: 24871539.7/36

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

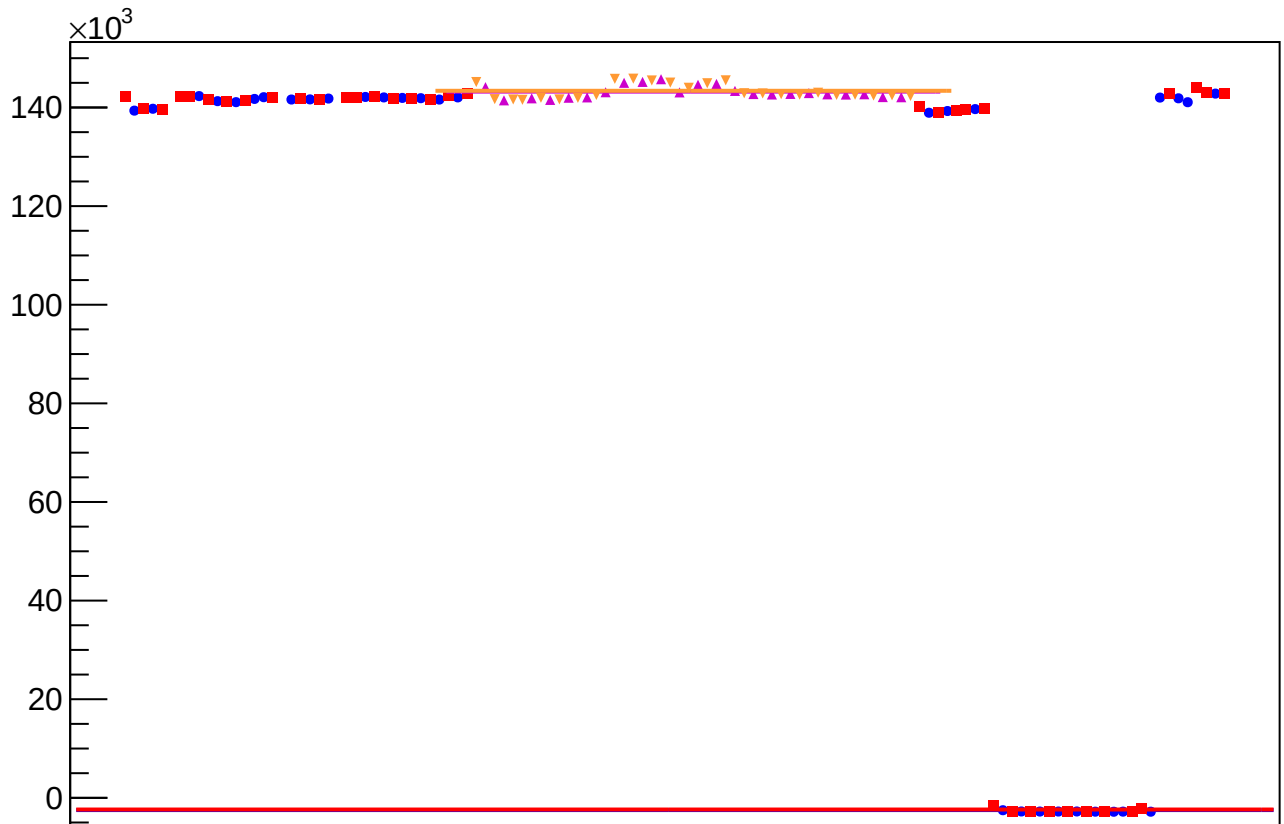
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.260+/-0.001 χ^2/NDF: 47684861.2/68

In: 7.702+/-0.002 χ^2/NDF:56454530.5/54

Out: 7.874+/-0.002 χ^2/NDF:60479936.5/61

All: 7.782+/-0.001 χ^2/NDF: 116938849.5/116



Right In: -2479.545+/-0.003 χ^2/NDF: 5536311137751.6/31

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2368.817+/-0.003 χ^2/NDF: 6367953722242.8/36

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

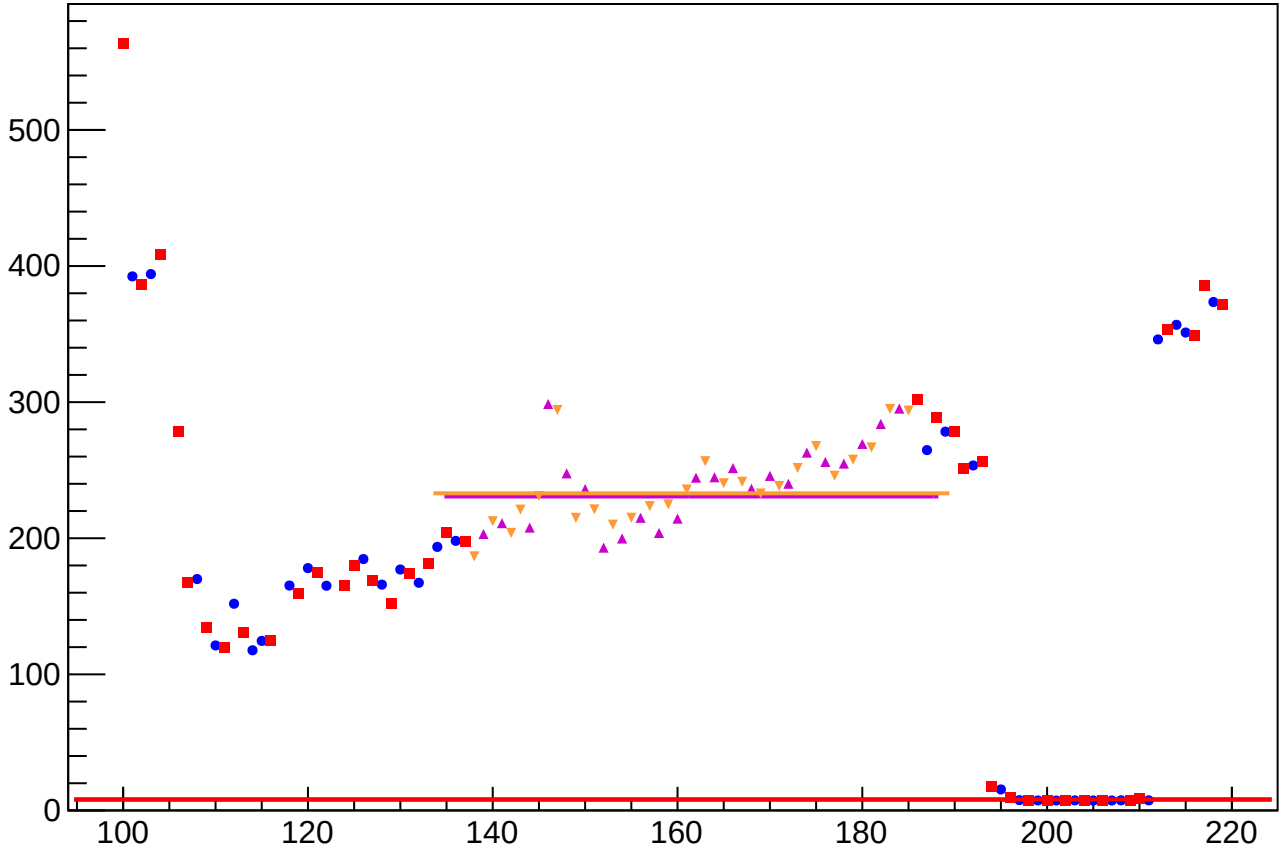
Right: -2428.080+/-0.002 χ^2/NDF: 1190499353646

In: -2101.504+/-0.003 χ^2/NDF:12580006292946.9

Out: -1914.785+/-0.003 χ^2/NDF:13717374053549

All: -2014.695+/-0.002 χ^2/NDF: 2629945833

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 8.014+/-0.002 χ^2/NDF: 22952726.3/31

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 8.109+/-0.002 χ^2/NDF: 24898687.8/36

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

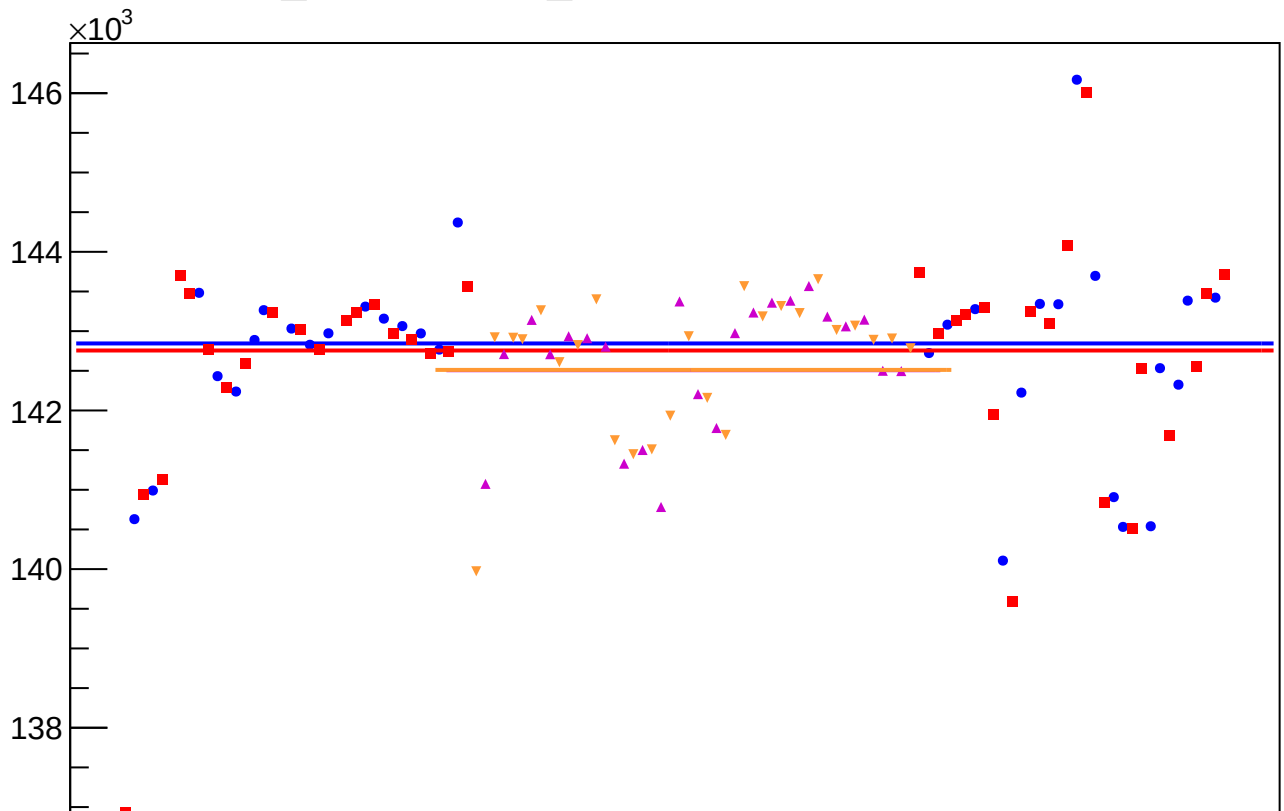
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.058+/-0.001 χ^2/NDF: 47852500.7/68

In: 8.592+/-0.002 χ^2/NDF:56367257.1/54

Out: 8.810+/-0.002 χ^2/NDF:60335678.7/61

All: 8.693+/-0.001 χ^2/NDF: 116708621.8/116



Right In: 142844.950+/-0.057 χ^2/NDF: 302631421.4/31

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142756.107+/-0.053 χ^2/NDF: 256602722.0/36

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

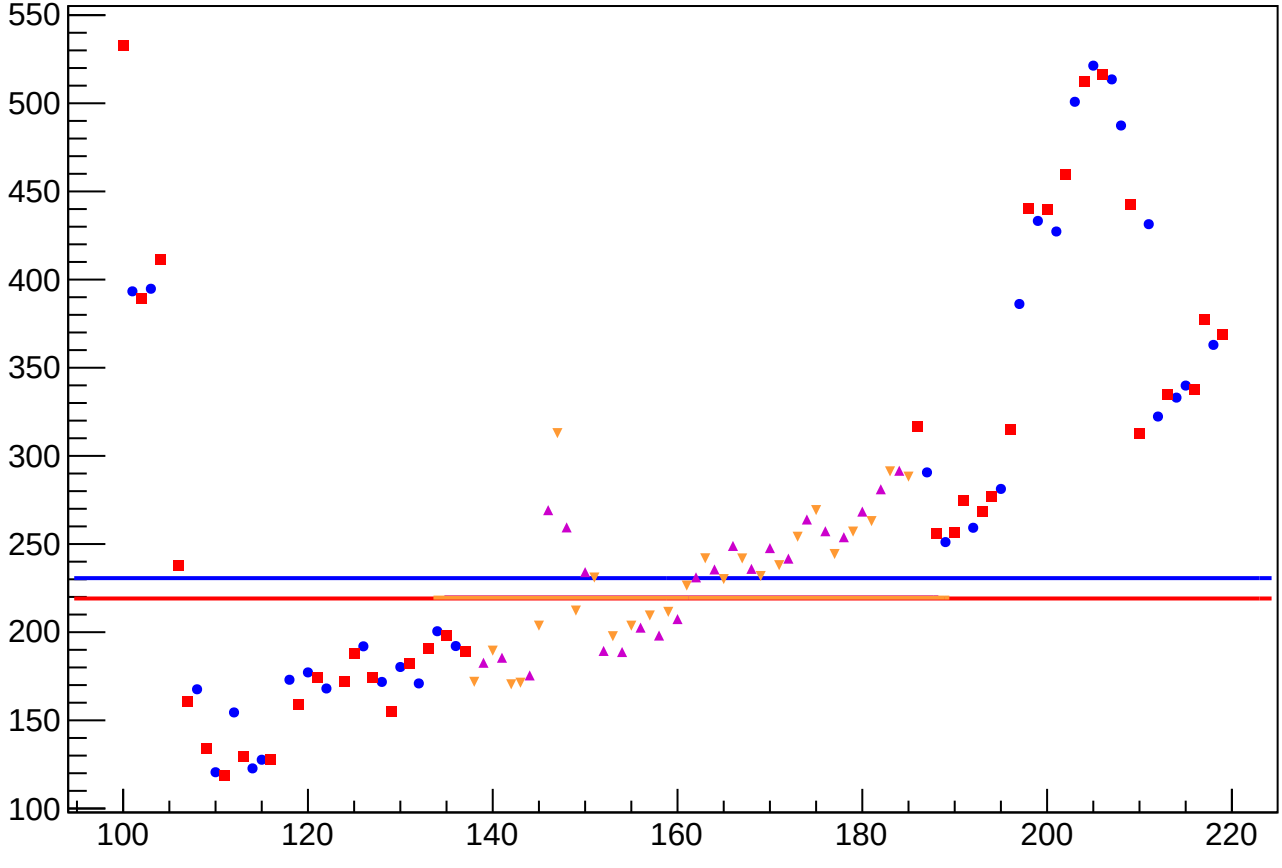
Right: 142797.059+/-0.039 χ^2/NDF: 560543681.0/6

In: 142662.098+/-0.039 χ^2/NDF:590891459.0/54

Out: 142629.471+/-0.037 χ^2/NDF:605844638.1/61

All: 142644.933+/-0.027 χ^2/NDF: 11971124

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 230.661+/-0.040 χ^2/NDF: 6567788.3/31

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 219.116+/-0.037 χ^2/NDF: 7338722.8/36

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

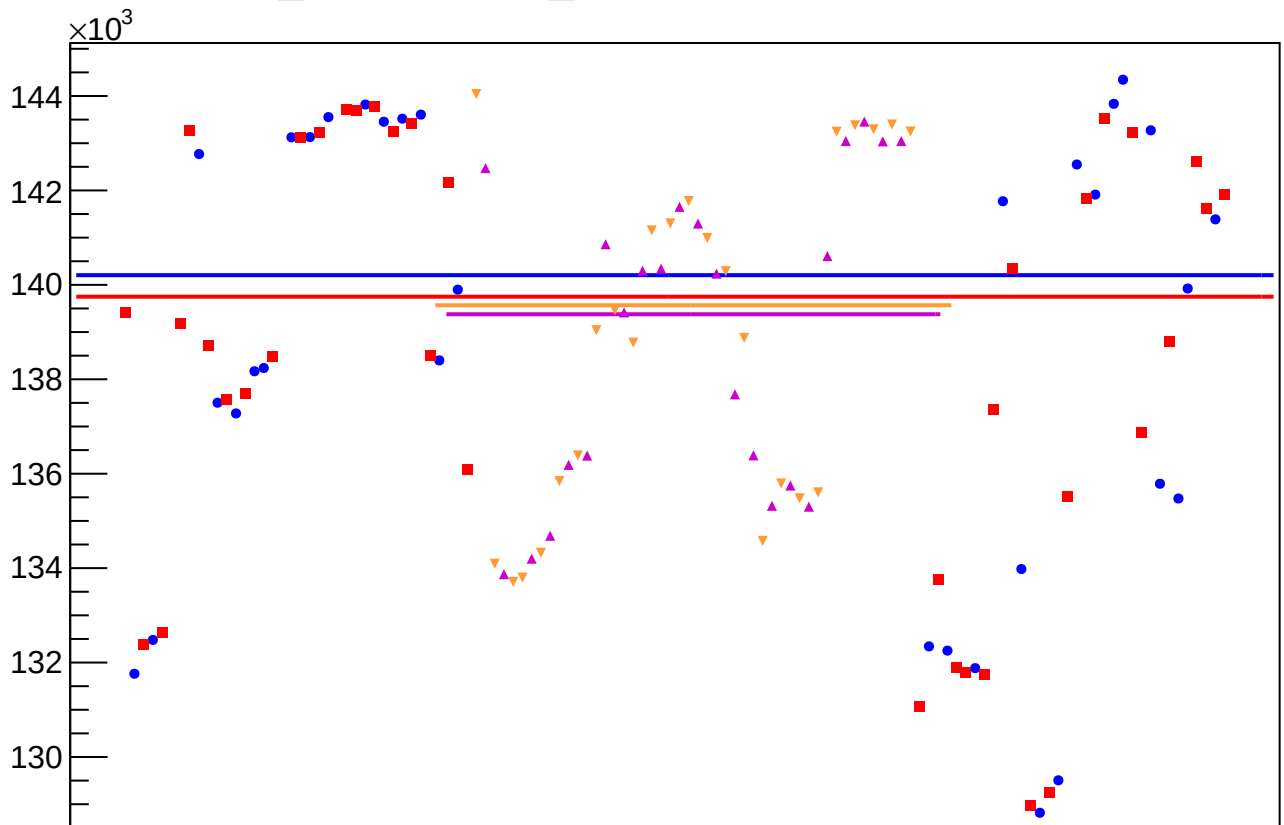
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 224.438+/-0.027 χ^2/NDF: 13950742.0/68

In: 224.782+/-0.027 χ^2/NDF:7412548.9/54

Out: 219.376+/-0.026 χ^2/NDF:8240843.2/61

All: 221.938+/-0.019 χ^2/NDF: 15674057.5/1



Right In: 140205.227+/-0.079 χ^2/NDF: 2810180665.4/31

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139749.470+/-0.078 χ^2/NDF: 2898718252.6/36

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

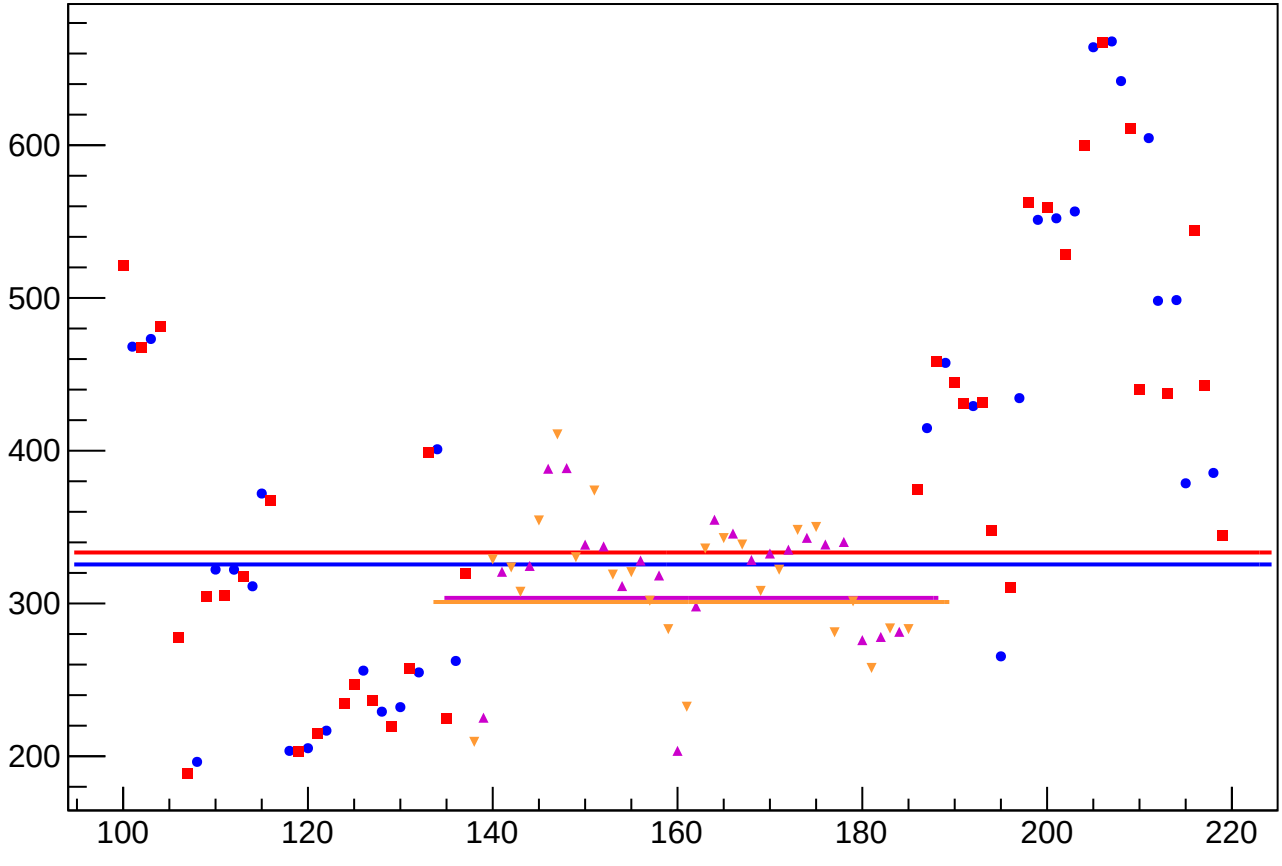
Right: 139972.674+/-0.056 χ^2/NDF: 5725668703.3/

In: 139755.924+/-0.054 χ^2/NDF:4790453288.9/54

Out: 139649.535+/-0.052 χ^2/NDF:5488334344.4/6

All: 139701.044+/-0.037 χ^2/NDF: 10280808

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 325.552+/-0.056 χ^2/NDF: 5316759.1/31

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 333.379+/-0.055 χ^2/NDF: 4846164.6/36

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

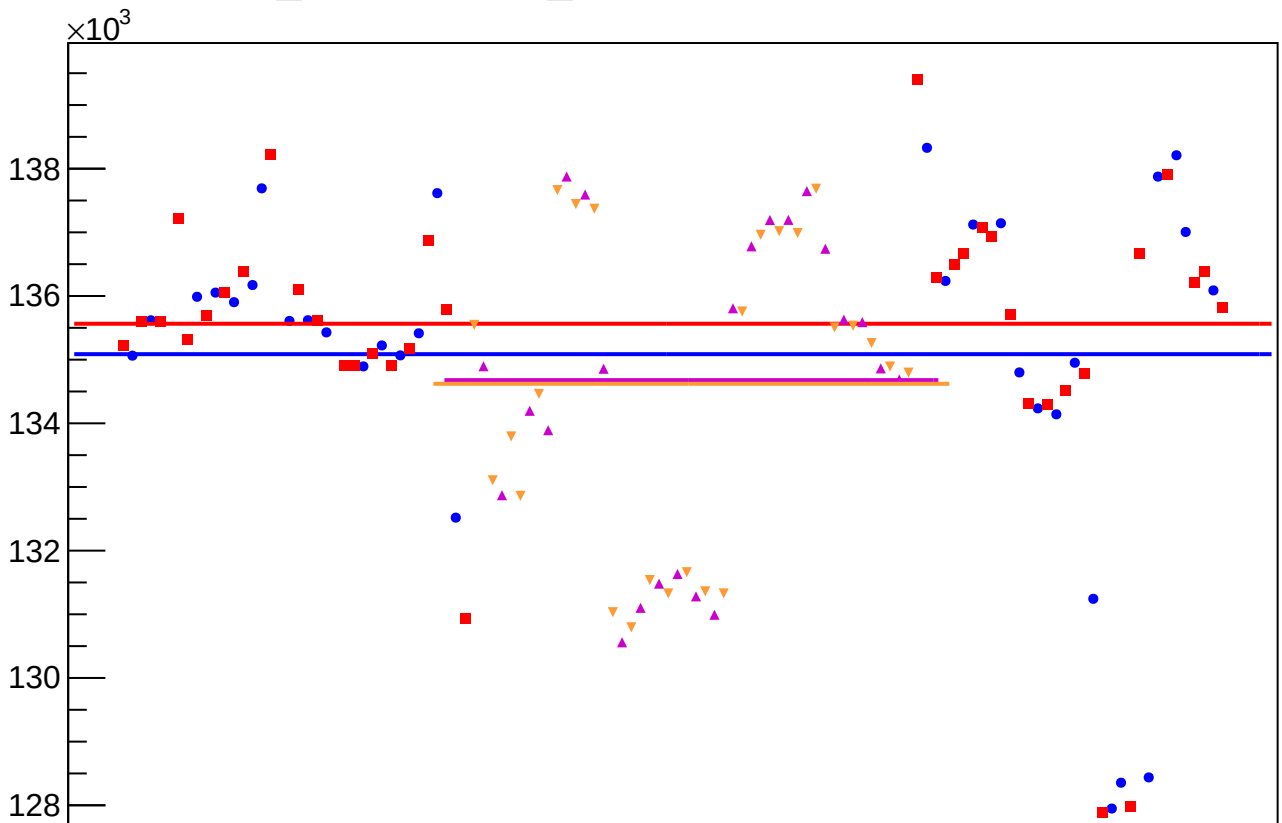
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 329.546+/-0.039 χ^2/NDF: 10172816.8/68

In: 313.667+/-0.038 χ^2/NDF:6375355.0/54

Out: 315.454+/-0.037 χ^2/NDF:5914628.2/61

All: 314.589+/-0.026 χ^2/NDF: 12291124.3/11



Right In: 135086.267+/-0.077 χ^2/NDF: 896620729.4/31

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135564.195+/-0.070 χ^2/NDF: 785468480.5/36

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

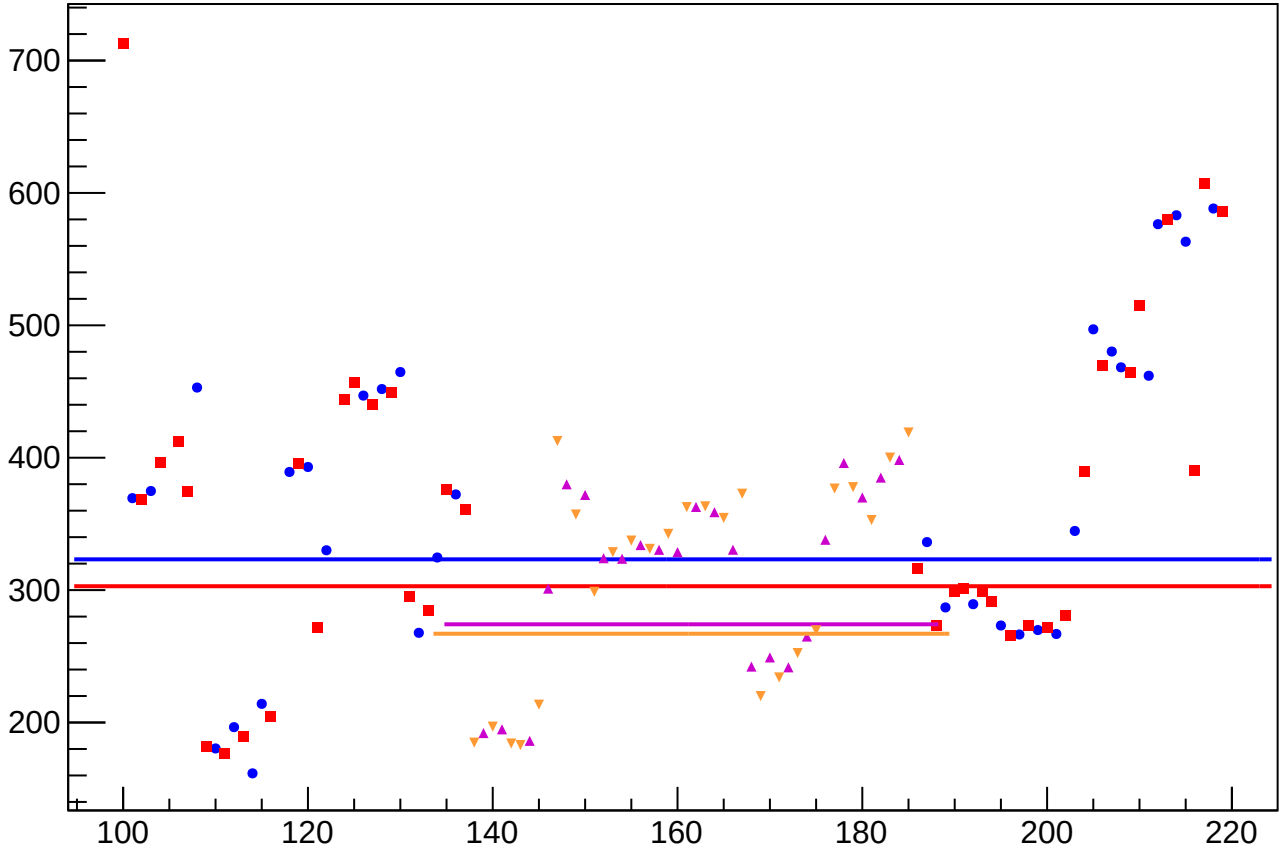
Right: 135347.437+/-0.052 χ^2/NDF: 1703350625.2/

In: 134854.879+/-0.050 χ^2/NDF:2008987903.0/54

Out: 135049.826+/-0.047 χ^2/NDF:2086532698.4/6

All: 134958.997+/-0.034 χ^2/NDF: 41035136

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 323.240+/-0.054 χ^2/NDF: 3948566.1/31

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 302.938+/-0.049 χ^2/NDF: 4149457.0/36

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

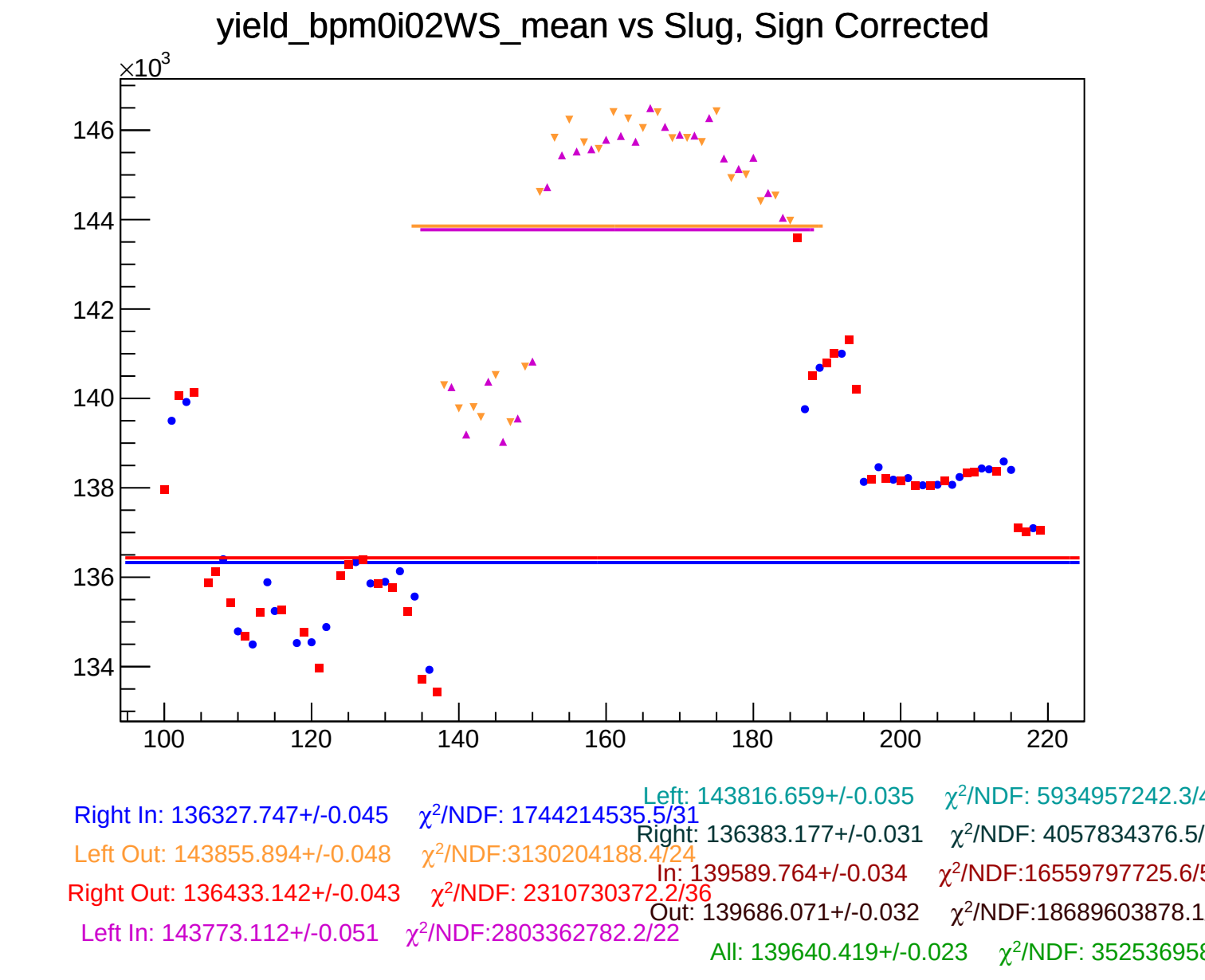
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 312.146+/-0.036 χ^2/NDF: 8174758.8/68

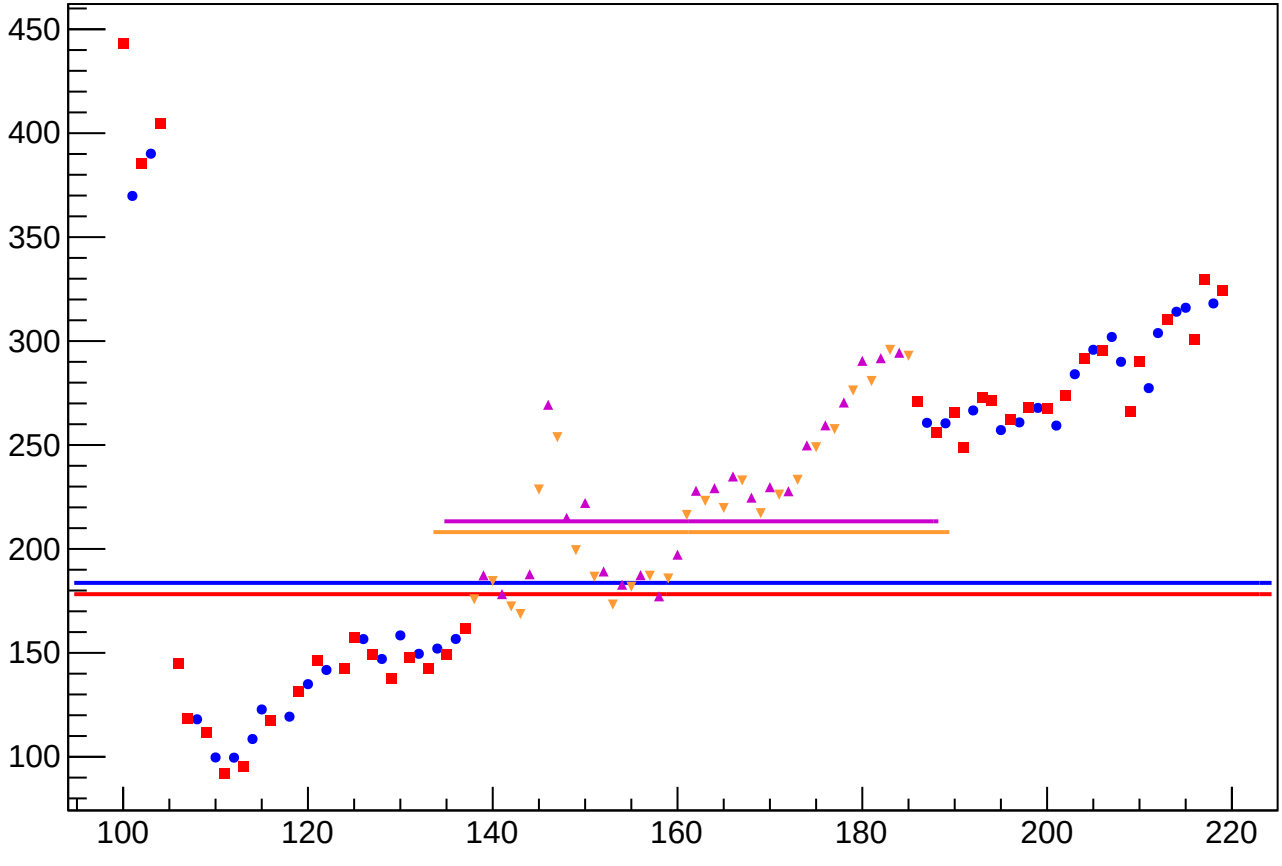
In: 295.399+/-0.036 χ^2/NDF:6650663.5/54

Out: 283.368+/-0.033 χ^2/NDF:7281012.3/61

All: 288.974+/-0.024 χ^2/NDF: 13992562.1/11


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: 136327.747+/-0.045 χ²/NDF: 1744214535.5/31
Left Out: 143855.894+/-0.048 χ²/NDF:3130204188.4/24
Right Out: 136433.142+/-0.043 χ²/NDF: 2310730372.2/36
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
Left: 143816.659+/-0.035 χ²/NDF: 5934957242.3/4
Right: 136383.177+/-0.031 χ²/NDF: 4057834376.5/
In: 139589.764+/-0.034 χ²/NDF:16559797725.6/5
Out: 139686.071+/-0.032 χ²/NDF:18689603878.1
All: 139640.419+/-0.023 χ²/NDF: 35253695

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 183.677+/-0.032 χ^2/NDF: 6147700.8/31

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 178.241+/-0.030 χ^2/NDF: 7070972.4/36

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

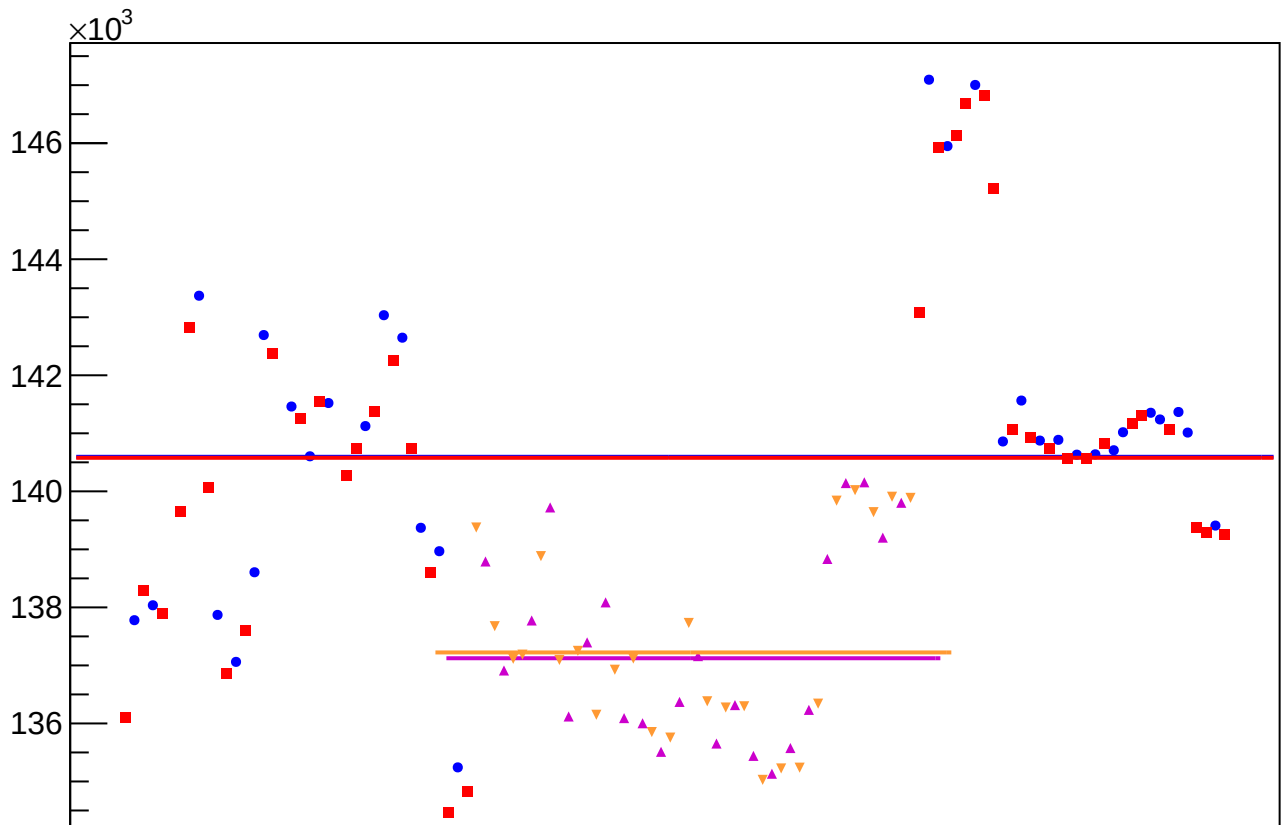
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 180.818+/-0.022 χ^2/NDF: 13234047.8/68

In: 196.650+/-0.024 χ^2/NDF:7393222.8/54

Out: 191.326+/-0.023 χ^2/NDF:8492768.3/61

All: 193.850+/-0.016 χ^2/NDF: 15912237.8/11



Right In: 140595.112+/-0.050 χ^2/NDF: 2833465176.2/31

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140578.203+/-0.048 χ^2/NDF: 3280032737.9/36

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

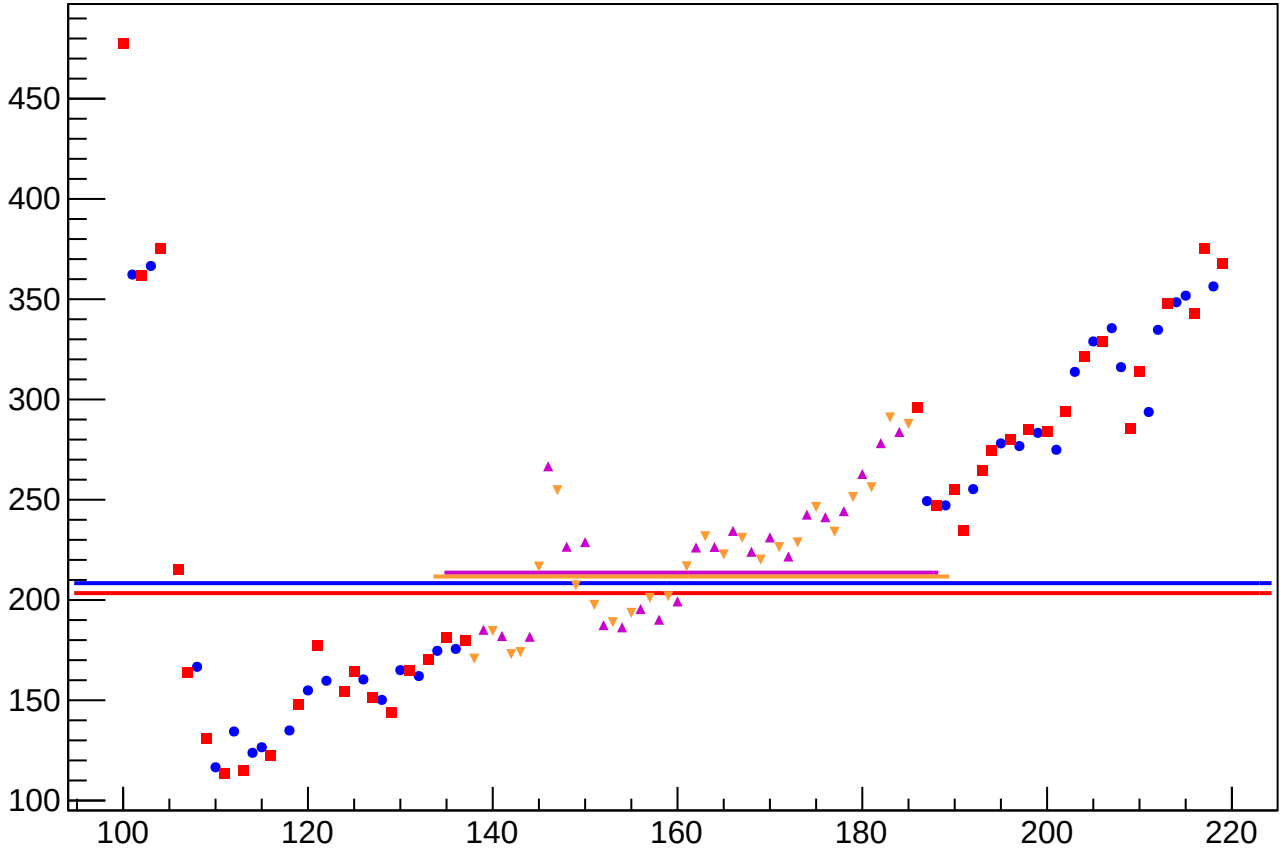
Right: 140586.255+/-0.035 χ^2/NDF: 6113557343.4/

In: 138883.585+/-0.036 χ^2/NDF:6051801140.2/54

Out: 138941.878+/-0.034 χ^2/NDF:6570612695.6/6

All: 138913.971+/-0.025 χ^2/NDF: 12623800

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 208.402+/-0.035 χ^2/NDF: 4983845.3/31

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 203.440+/-0.034 χ^2/NDF: 5769693.9/36

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

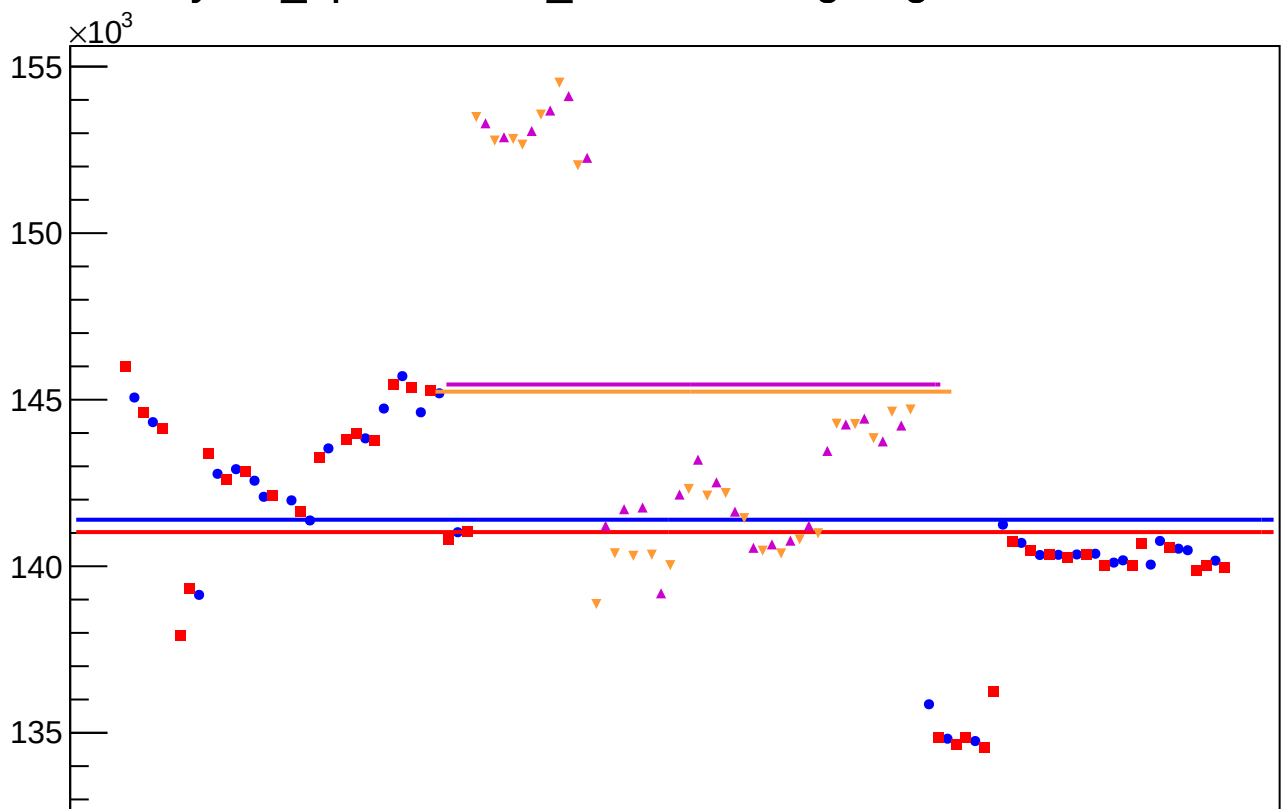
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 205.803+/-0.024 χ^2/NDF: 10763775.4/68

In: 210.985+/-0.025 χ^2/NDF:5615915.2/54

Out: 207.476+/-0.024 χ^2/NDF:6474434.2/61

All: 209.156+/-0.017 χ^2/NDF: 12100396.1/11



Right In: 141397.179+/-0.050 χ^2/NDF: 2855826963.5/31

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141026.069+/-0.047 χ^2/NDF: 4454599668.7/36

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

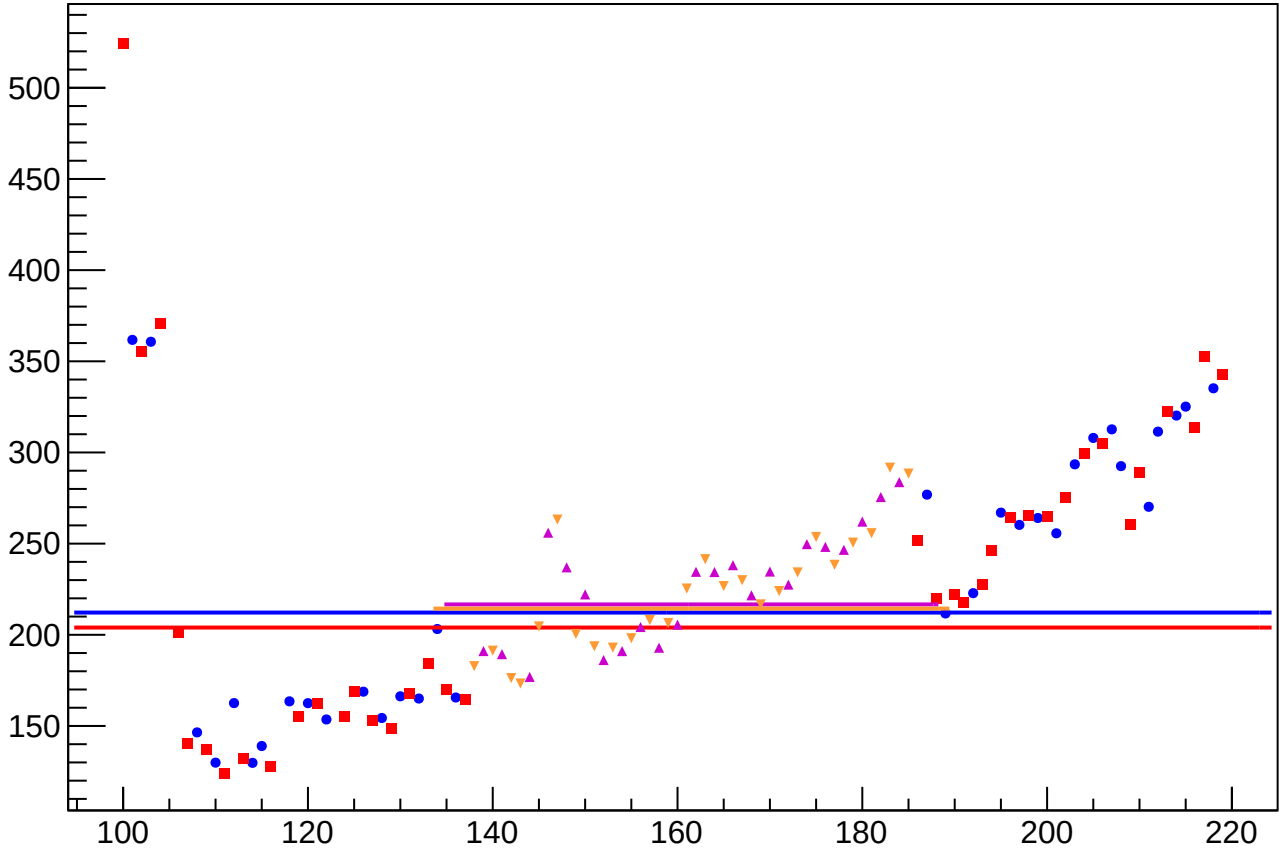
Right: 141199.863+/-0.034 χ^2/NDF: 7339544005.3/

In: 143369.853+/-0.036 χ^2/NDF:17113159122.6/5

Out: 143022.794+/-0.034 χ^2/NDF:21288268336.9

All: 143187.379+/-0.025 χ^2/NDF: 38450413

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 212.197+/-0.035 χ^2/NDF: 3604915.7/31

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 203.971+/-0.033 χ^2/NDF: 4269444.7/36

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

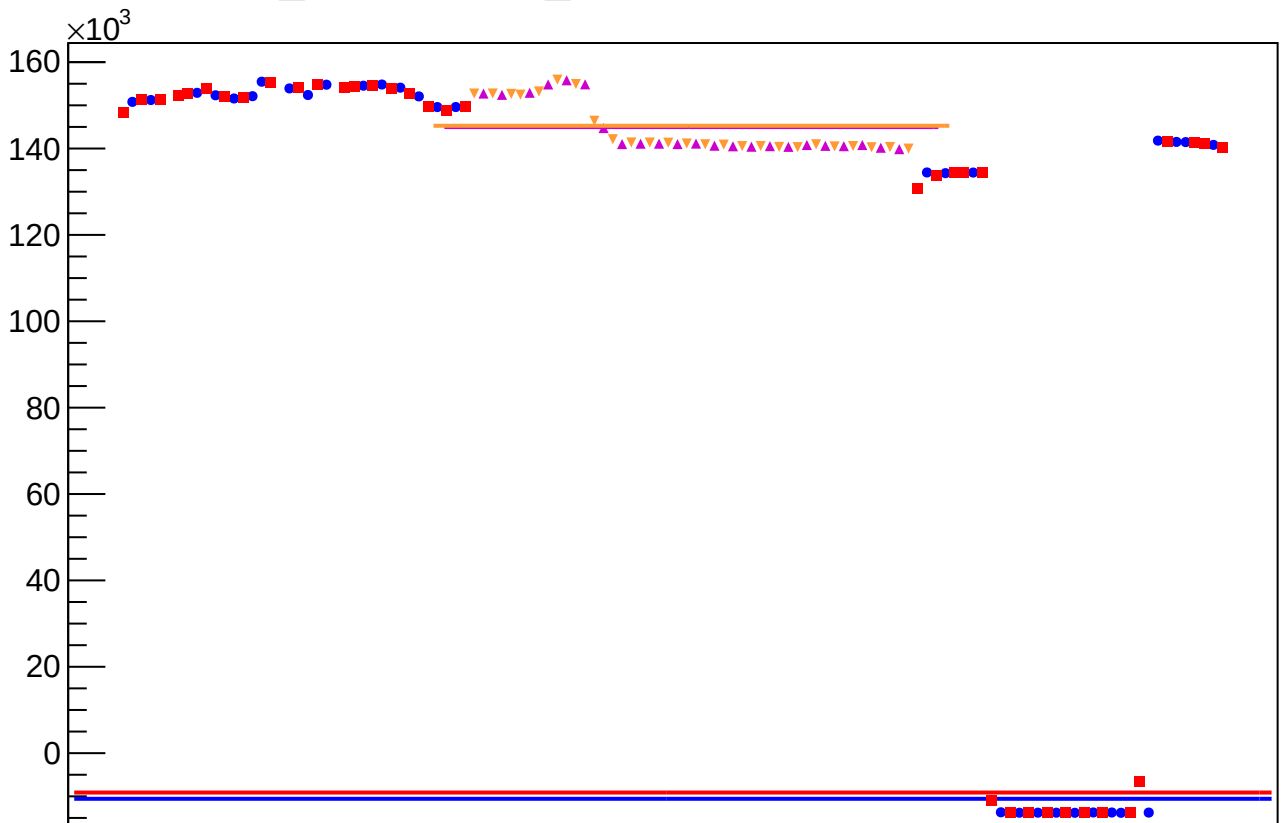
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 207.823+/-0.024 χ^2/NDF: 7902970.1/68

In: 214.363+/-0.025 χ^2/NDF:4199761.6/54

Out: 208.906+/-0.024 χ^2/NDF:4959258.4/61

All: 211.494+/-0.018 χ^2/NDF: 9183241.3/116



Right In: -10567.935+/-0.009 χ^2/NDF: 6683905702291.2/31

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9119.381+/-0.009 χ^2/NDF: 7852949154267.0/36

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

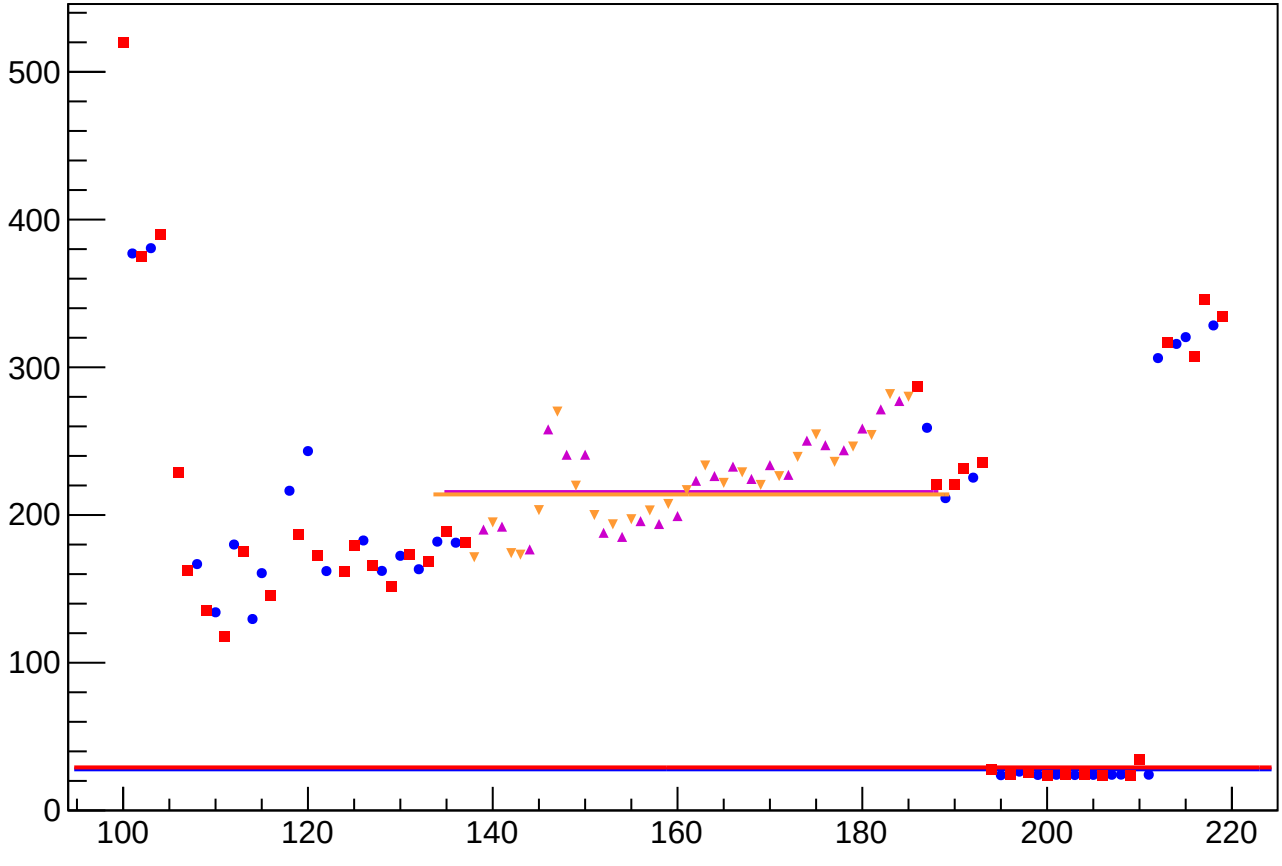
Right: -9894.430+/-0.006 χ^2/NDF: 1454963488983

In: -6167.526+/-0.009 χ^2/NDF:15662596223192.4

Out: -3752.186+/-0.009 χ^2/NDF:17299280929128

All: -5040.499+/-0.006 χ^2/NDF: 329985744

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 27.848+/-0.006 χ^2/NDF: 18525759.2/31

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 29.134+/-0.007 χ^2/NDF: 20048647.3/36

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

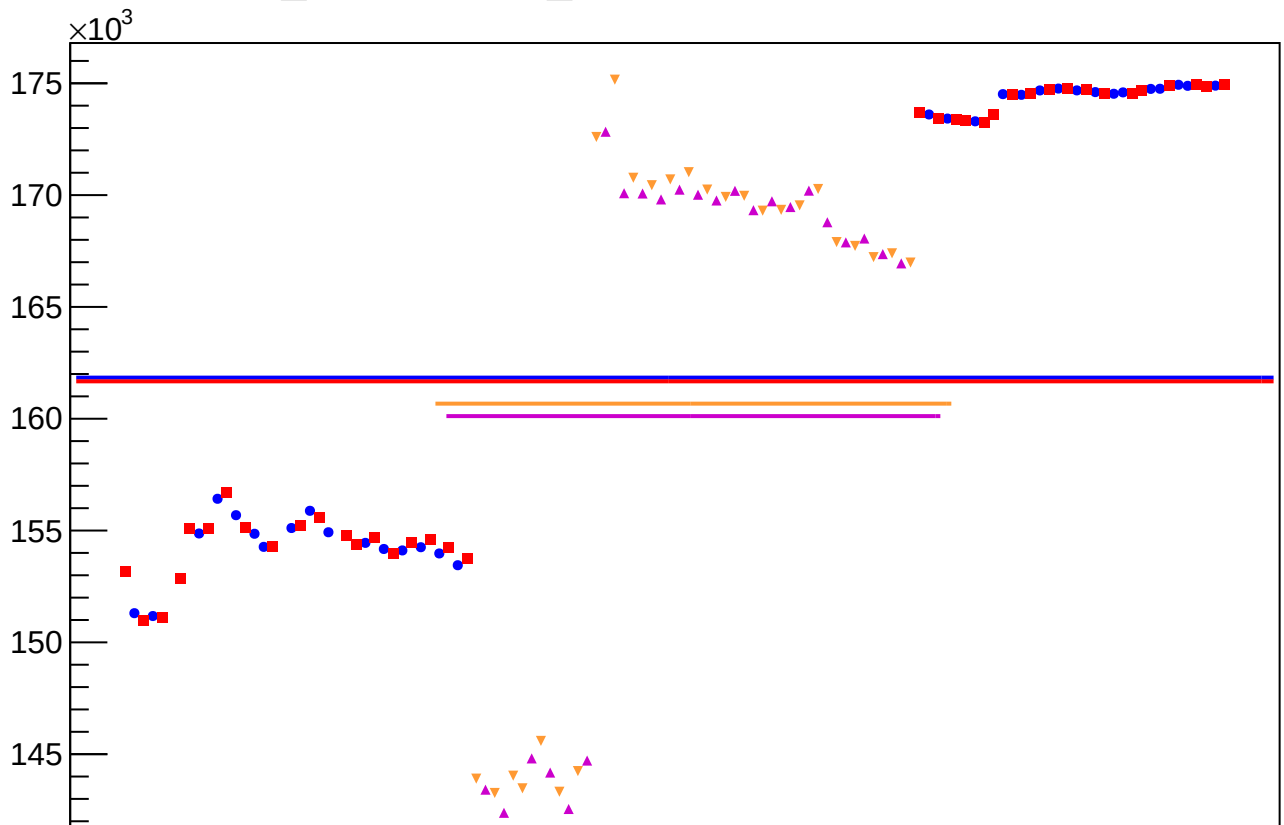
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.446+/-0.005 χ^2/NDF: 38594552.0/68

In: 33.158+/-0.006 χ^2/NDF:45238273.1/54

Out: 35.559+/-0.007 χ^2/NDF:47733446.9/61

All: 34.278+/-0.004 χ^2/NDF: 93044234.8/116



Right In: 161838.210+/-0.052 χ^2/NDF: 33306118285.7/31

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 161672.266+/-0.049 χ^2/NDF: 36338249344.6/36

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

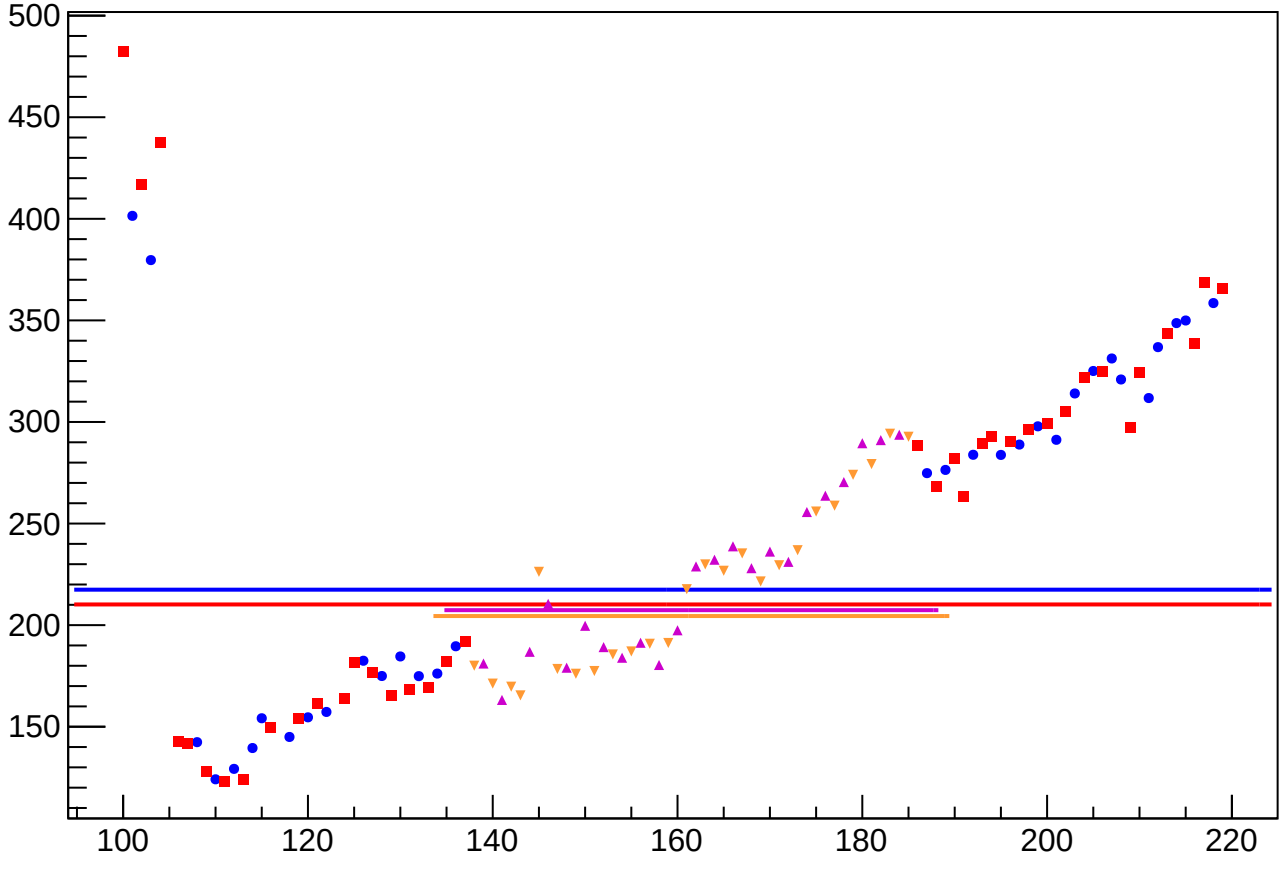
Right: 161750.297+/-0.036 χ^2/NDF: 69649729973.

In: 160931.084+/-0.036 χ^2/NDF:100433060675.3

Out: 161155.474+/-0.034 χ^2/NDF:110706845246.

All: 161048.899+/-0.025 χ^2/NDF: 211160457

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 217.455+/-0.037 χ^2/NDF: 4856304.9/31

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 210.181+/-0.035 χ^2/NDF: 5737529.4/36

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

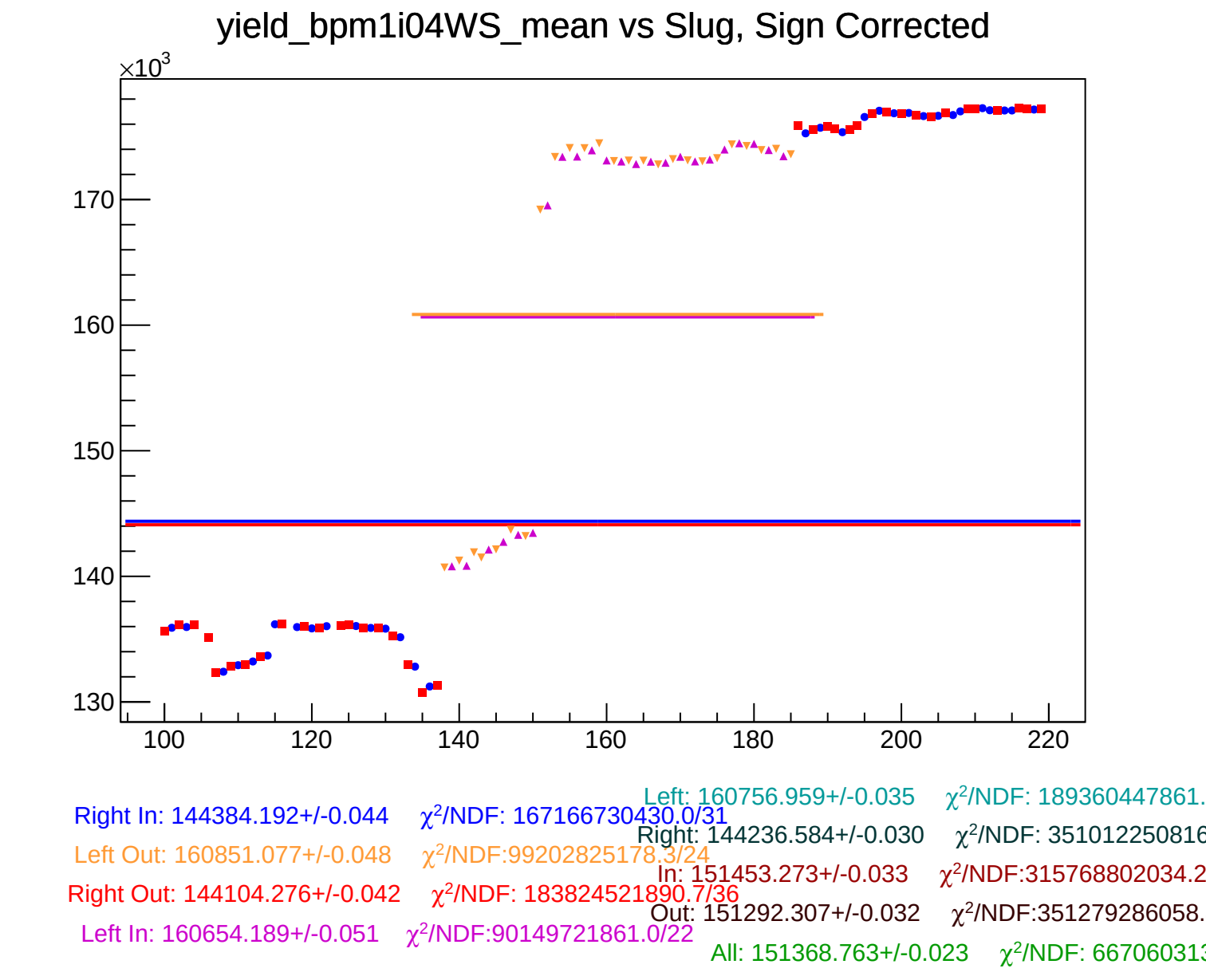
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 213.601+/-0.025 χ^2/NDF: 10614440.0/68

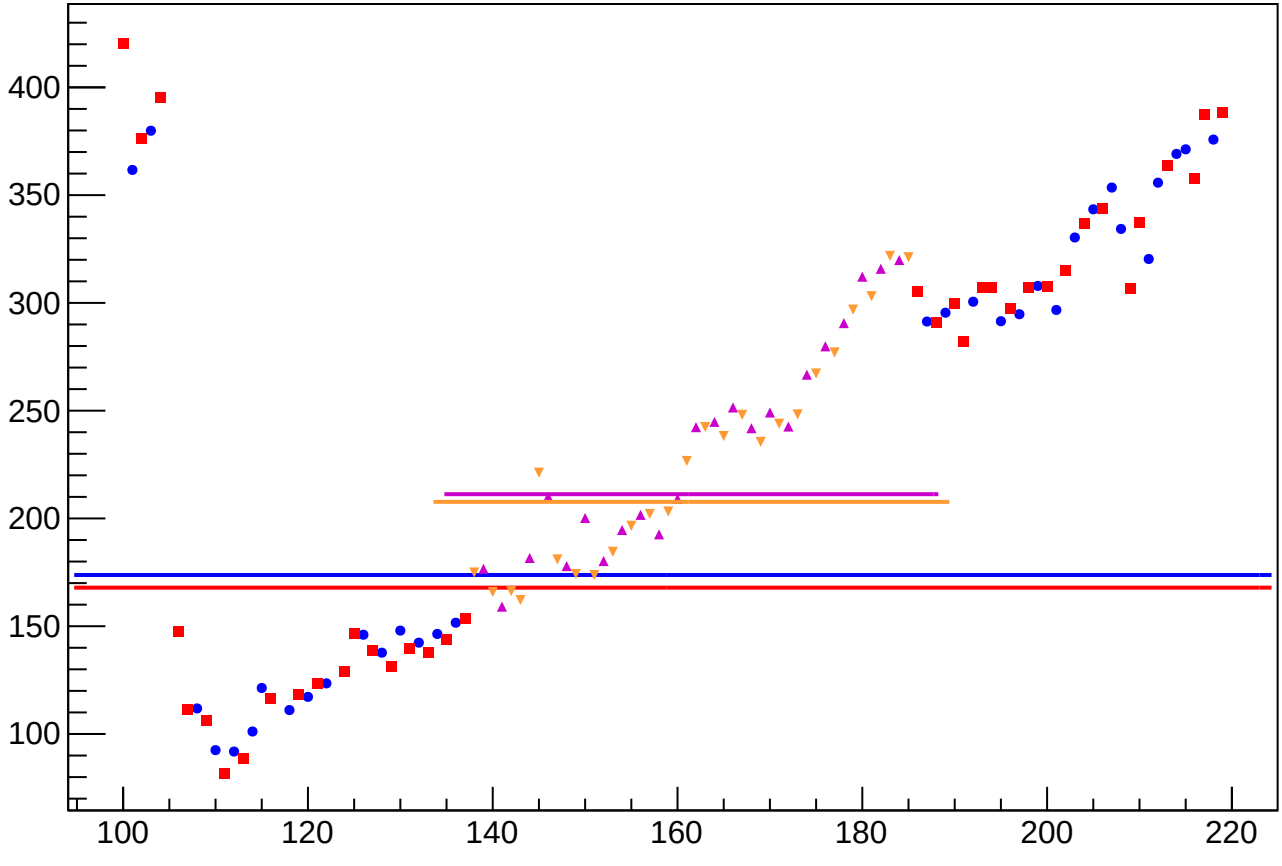
In: 212.138+/-0.025 χ^2/NDF:5852378.0/54

Out: 207.225+/-0.024 χ^2/NDF:6824694.9/61

All: 209.558+/-0.017 χ^2/NDF: 12696771.1/11


yield_bpm1i04WS_mean vs Slug, Sign Corrected
×10^3
170
160
150
140
130
100
120
140
160
180
200
220
Right In: 144384.192+/-0.044 χ²/NDF: 167166730430.0/31
Left Out: 160851.077+/-0.048 χ²/NDF:99202825178.3/24
Right Out: 144104.276+/-0.042 χ²/NDF: 183824521890.7/36
Left In: 160654.189+/-0.051 χ²/NDF:90149721861.0/22
Left: 160756.959+/-0.035 χ²/NDF: 189360447861.
Right: 144236.584+/-0.030 χ²/NDF: 351012250816
In: 151453.273+/-0.033 χ²/NDF:315768802034.2
Out: 151292.307+/-0.032 χ²/NDF:351279286058.
All: 151368.763+/-0.023 χ²/NDF: 667060313

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 173.769+/-0.031 χ^2/NDF: 8927790.0/31

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 167.894+/-0.030 χ^2/NDF: 10129841.9/36

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

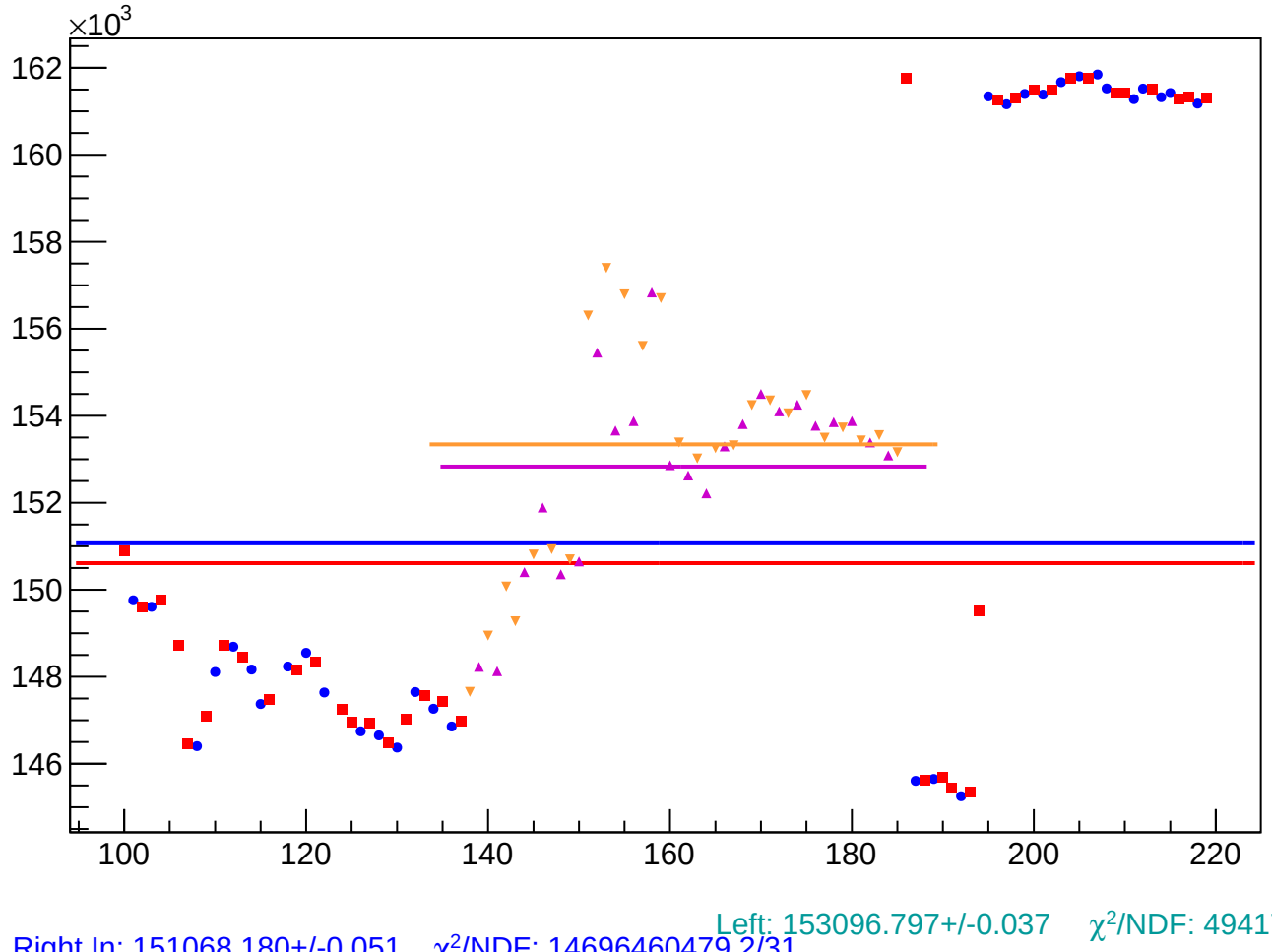
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 170.671+/-0.022 χ^2/NDF: 19076133.5/68

In: 190.056+/-0.024 χ^2/NDF:10854081.7/54

Out: 184.975+/-0.022 χ^2/NDF:12401363.4/61

All: 187.388+/-0.016 χ^2/NDF: 23279809.0/11



Right In: 151068.180+/-0.051 χ^2/NDF: 14696460479.2/31

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 150612.172+/-0.048 χ^2/NDF: 14507013373.1/36

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

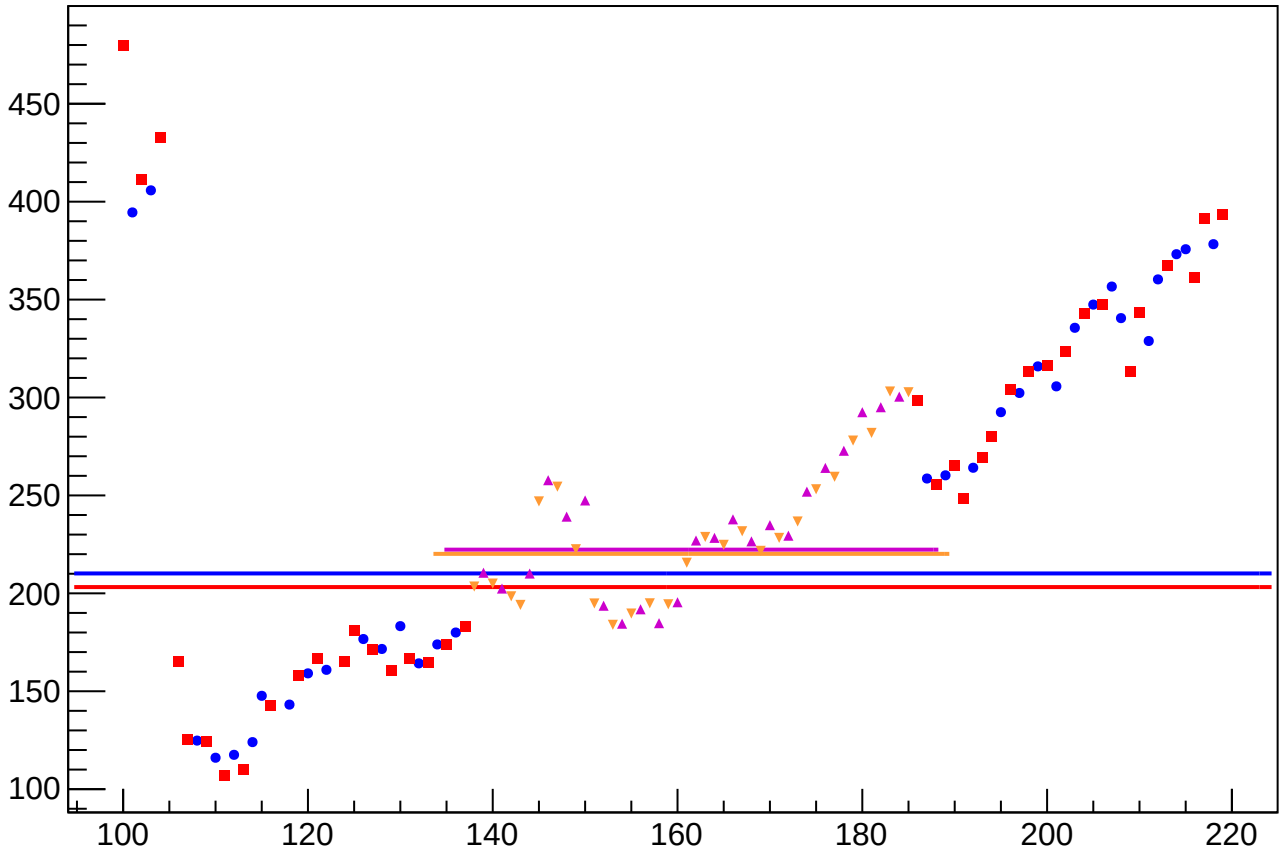
Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

Right: 150826.741+/-0.035 χ^2/NDF: 29245255811.3

In: 151924.956+/-0.037 χ^2/NDF:17184155388.4/5

Out: 151911.082+/-0.035 χ^2/NDF:19000078382.5

All: 151917.678+/-0.025 χ^2/NDF: 36184083



Right In: 210.159+/-0.036 χ^2/NDF: 6103514.1/31

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 203.197+/-0.034 χ^2/NDF: 6932426.3/36

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

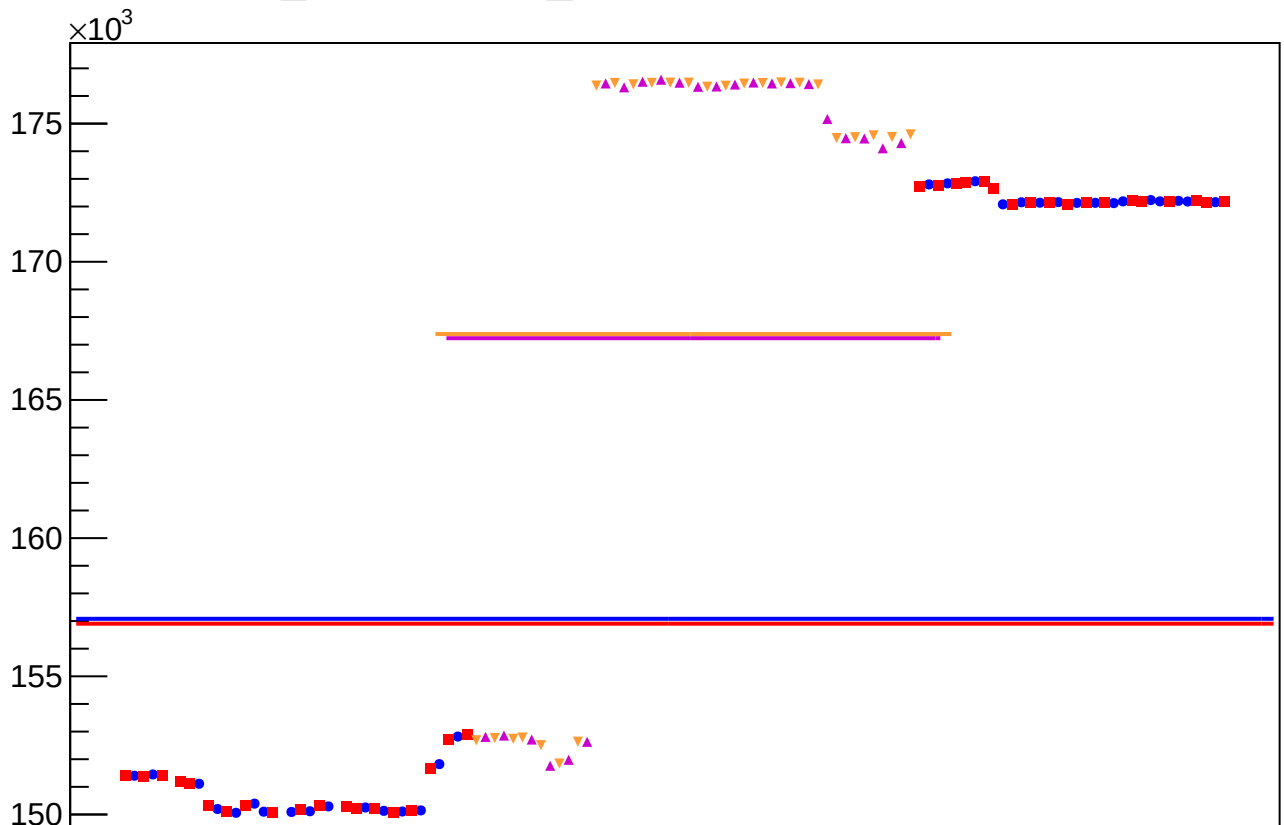
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 206.473+/-0.025 χ^2/NDF: 13055418.9/68

In: 216.061+/-0.026 χ^2/NDF:6855520.9/54

Out: 211.265+/-0.025 χ^2/NDF:7734868.8/61

All: 213.545+/-0.018 χ^2/NDF: 14608201.8/11



Right In: 157080.732+/-0.046 χ^2/NDF: 47634106854.6/31

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156904.381+/-0.043 χ^2/NDF: 53365512501.6/36

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

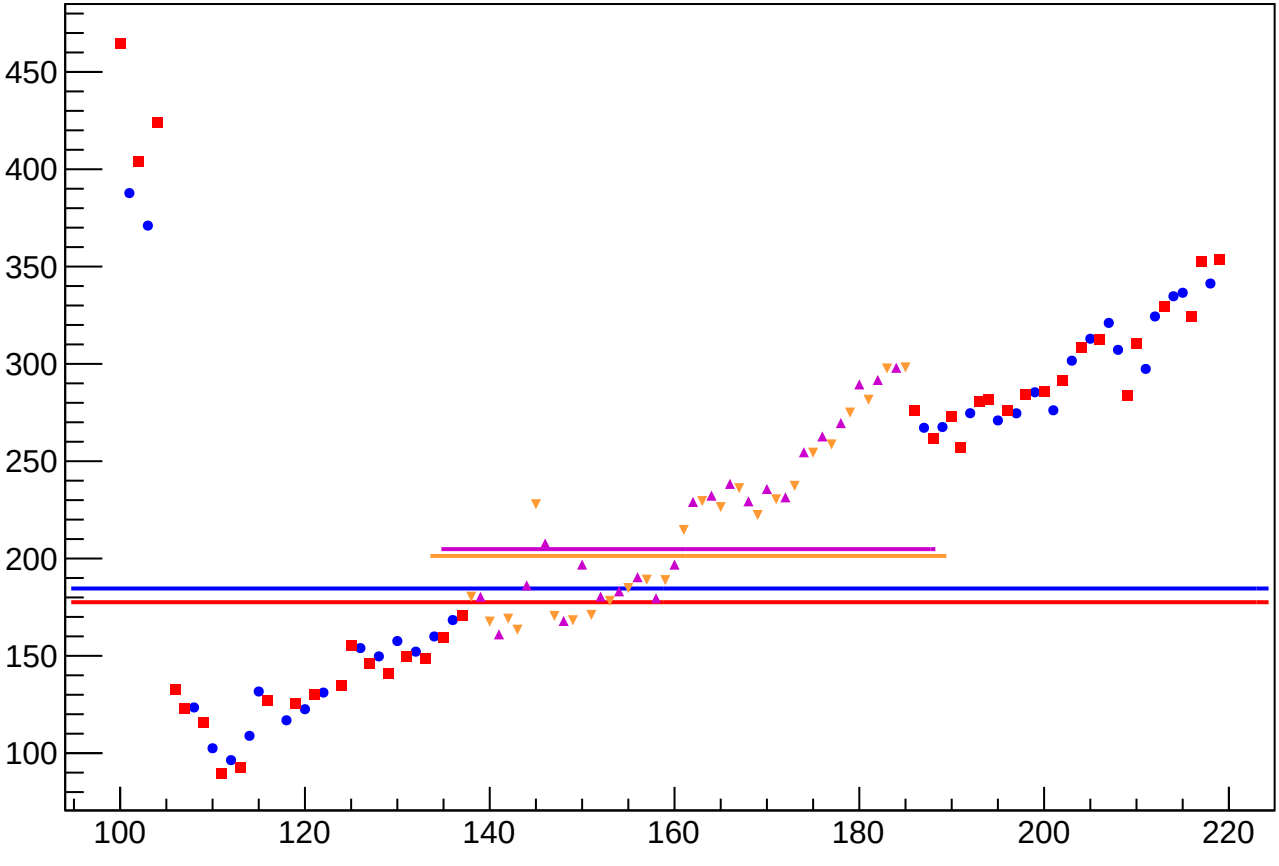
Right: 156987.057+/-0.031 χ^2/NDF: 101007533364

In: 161816.163+/-0.033 χ^2/NDF:125767316207.5

Out: 161700.257+/-0.032 χ^2/NDF:140252678430.

All: 161755.068+/-0.023 χ^2/NDF: 26602635

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 184.604+/-0.032 χ^2/NDF: 6893846.6/31

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 177.552+/-0.030 χ^2/NDF: 8021210.1/36

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 180.858+/-0.022 χ^2/NDF: 14940366.4/68

In: 194.035+/-0.024 χ^2/NDF:8129714.4/54

Out: 188.431+/-0.022 χ^2/NDF:9532694.0/61

All: 191.081+/-0.016 χ^2/NDF: 17692127.1/11

Right In: 165218.113+/-0.049 χ^2/NDF: 88851037967.8/31

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 164876.168+/-0.046 χ^2/NDF: 96683125727.7/36

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

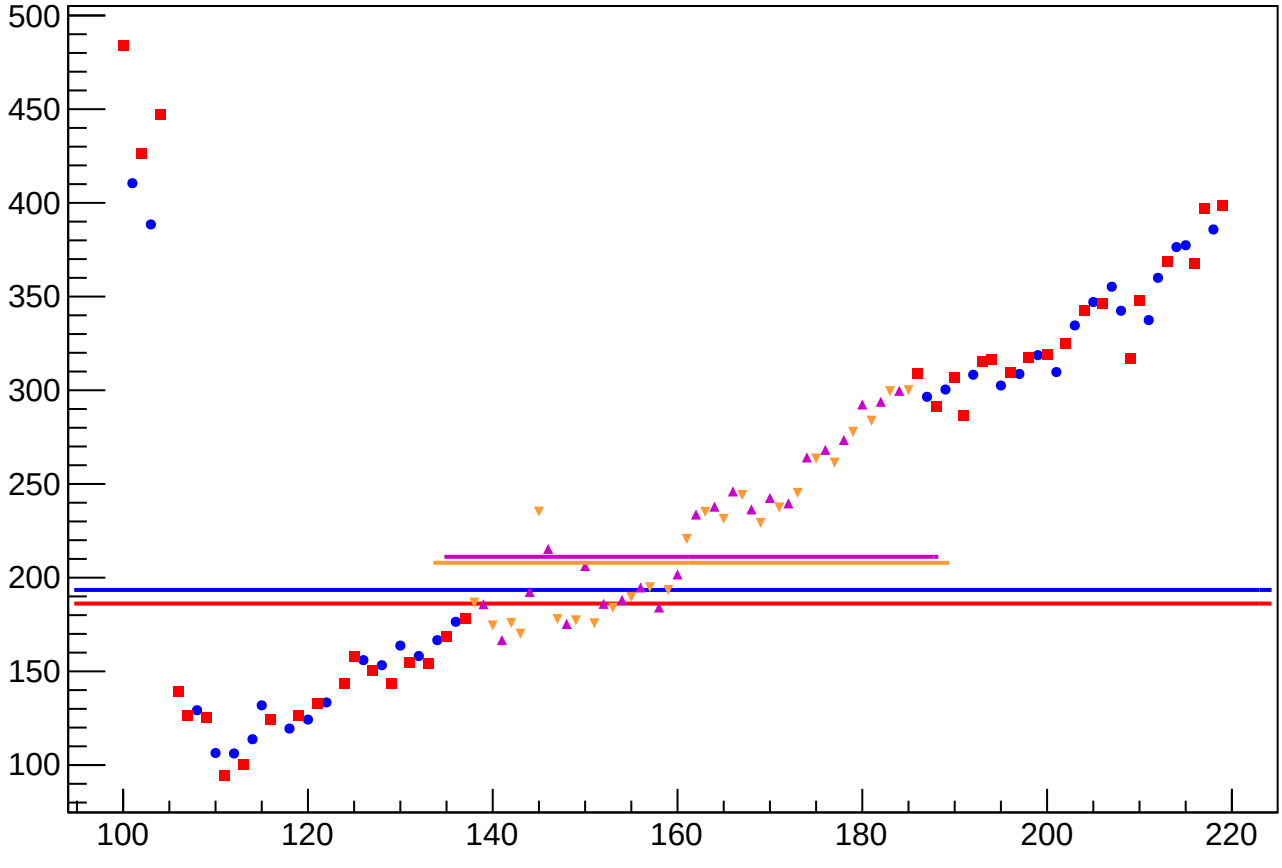
Right: 165036.570+/-0.033 χ^2/NDF: 185560527738

In: 169722.835+/-0.035 χ^2/NDF:161500182636.6

Out: 169554.745+/-0.033 χ^2/NDF:177089655179.

All: 169634.340+/-0.024 χ^2/NDF: 33860202

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 193.454+/-0.034 χ^2/NDF: 7755598.6/31

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 186.173+/-0.032 χ^2/NDF: 8929298.5/36

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

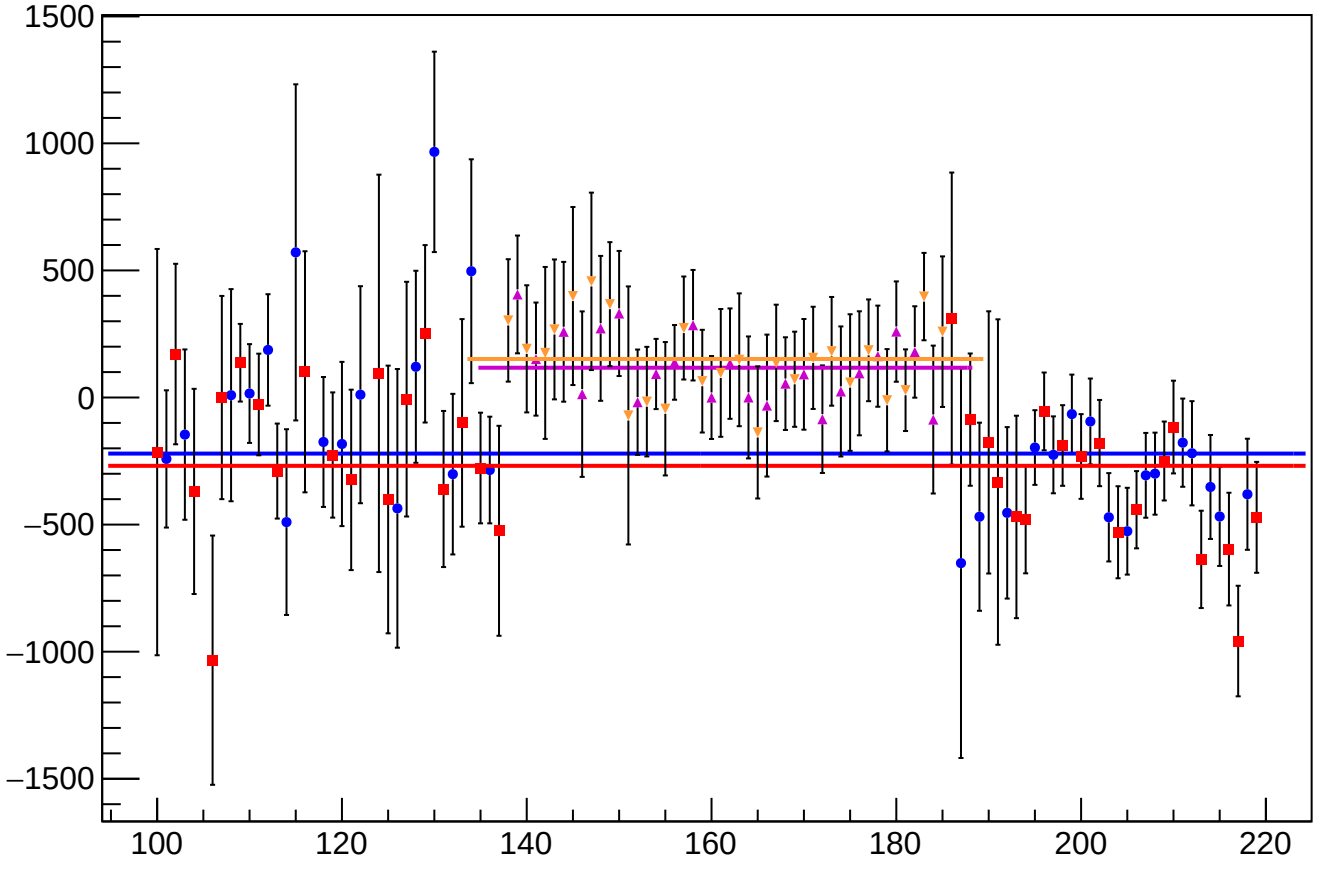
Right: 189.588+/-0.024 χ^2/NDF: 16708798.9/68

In: 201.970+/-0.025 χ^2/NDF:8877207.0/54

Out: 196.455+/-0.023 χ^2/NDF:10276572.4/61

All: 199.066+/-0.017 χ^2/NDF: 19180018.0/11

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -220.613+/-40.010 χ^2/NDF: 31.7/31

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -268.770+/-39.109 χ^2/NDF: 43.3/36

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

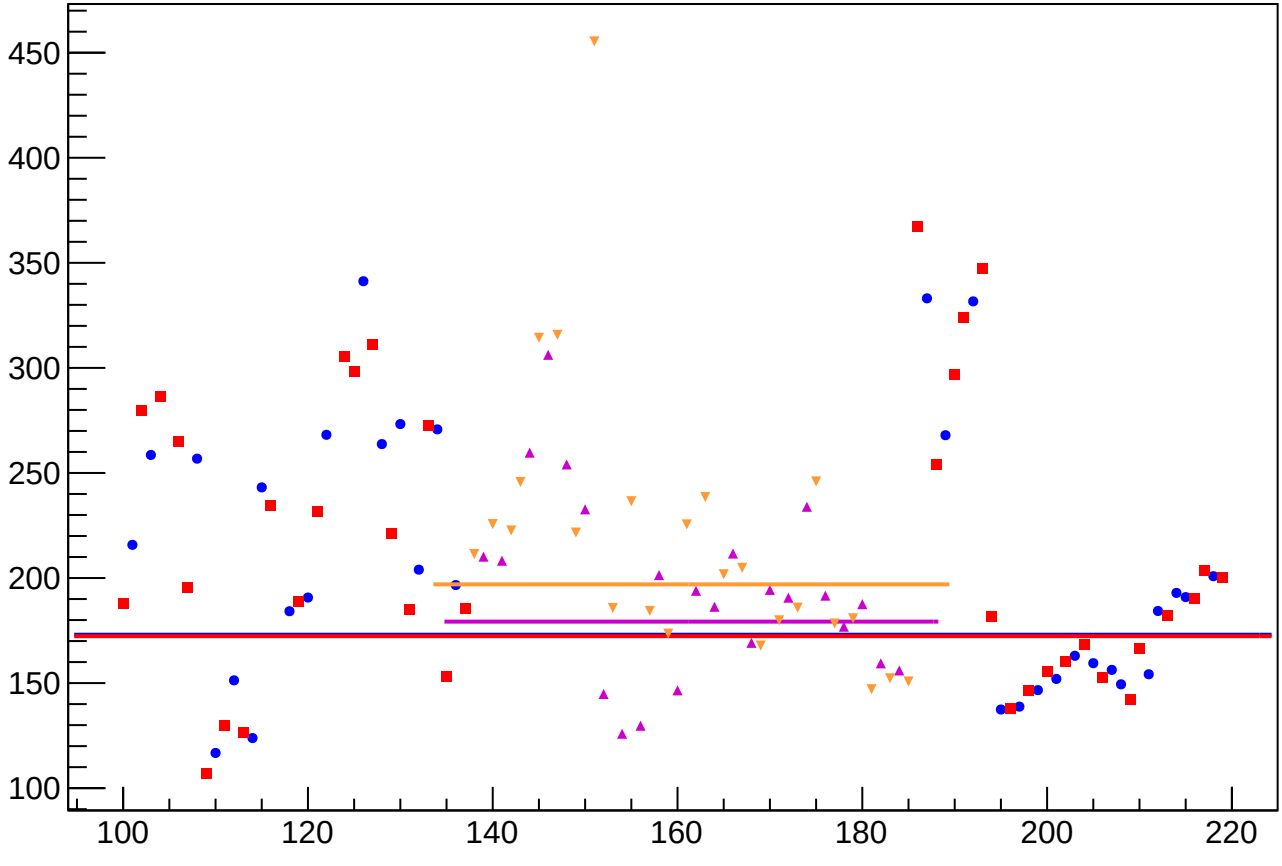
Right: -245.240+/-27.967 χ^2/NDF: 75.8/68

In: -66.886+/-29.534 χ^2/NDF:71.6/54

Out: -94.253+/-29.909 χ^2/NDF:100.9/61

All: -80.397+/-21.015 χ^2/NDF: 172.9/116

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 173.008+/-0.028 χ^2/NDF: 2342016.5/31

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 172.331+/-0.028 χ^2/NDF: 3069369.9/36

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

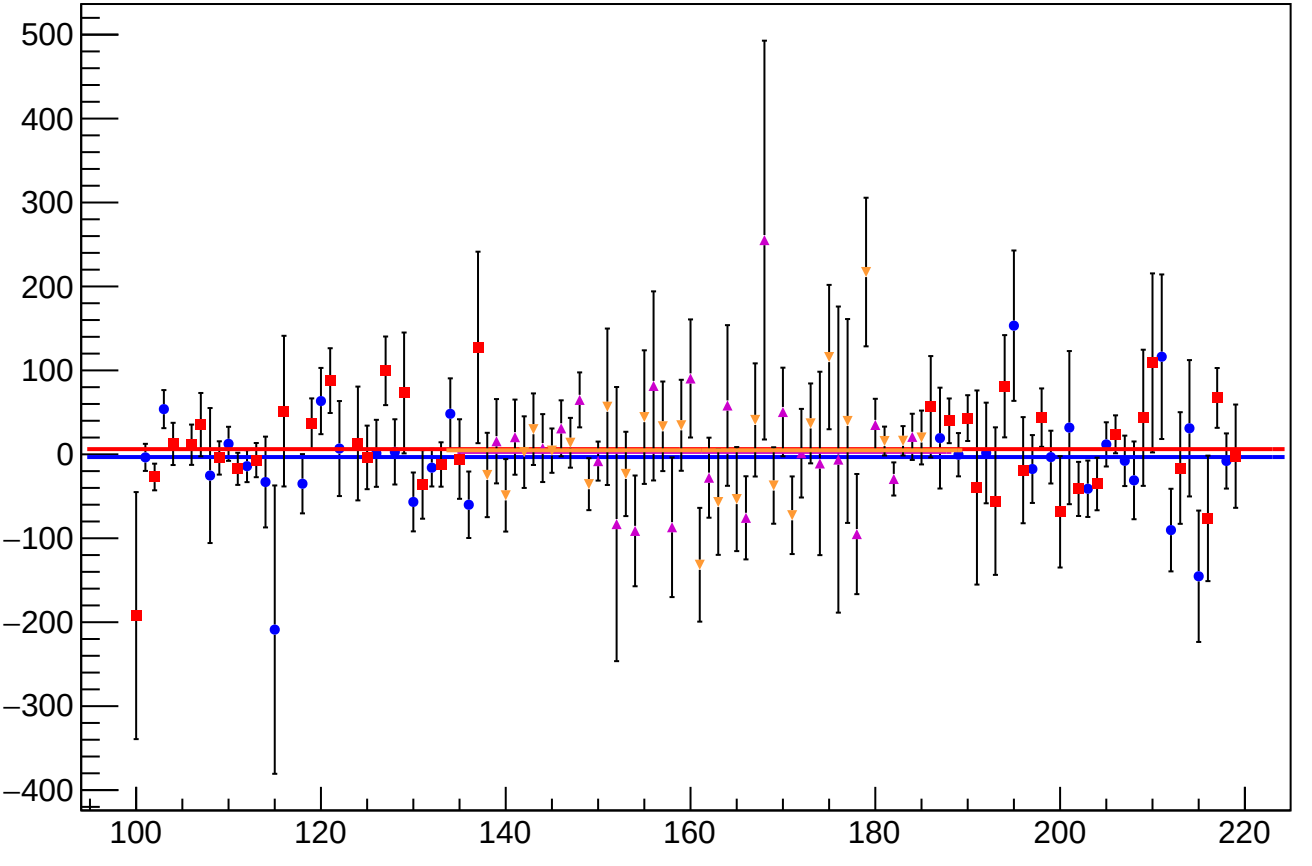
Right: 172.662+/-0.020 χ^2/NDF: 5411679.5/68

In: 175.852+/-0.021 χ^2/NDF:4020235.9/54

Out: 182.562+/-0.021 χ^2/NDF:5208375.4/61

All: 179.164+/-0.015 χ^2/NDF: 9279586.0/116

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -3.245+/-5.961 χ^2/NDF: 32.6/31

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 6.202+/-5.566 χ^2/NDF: 42.5/36

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

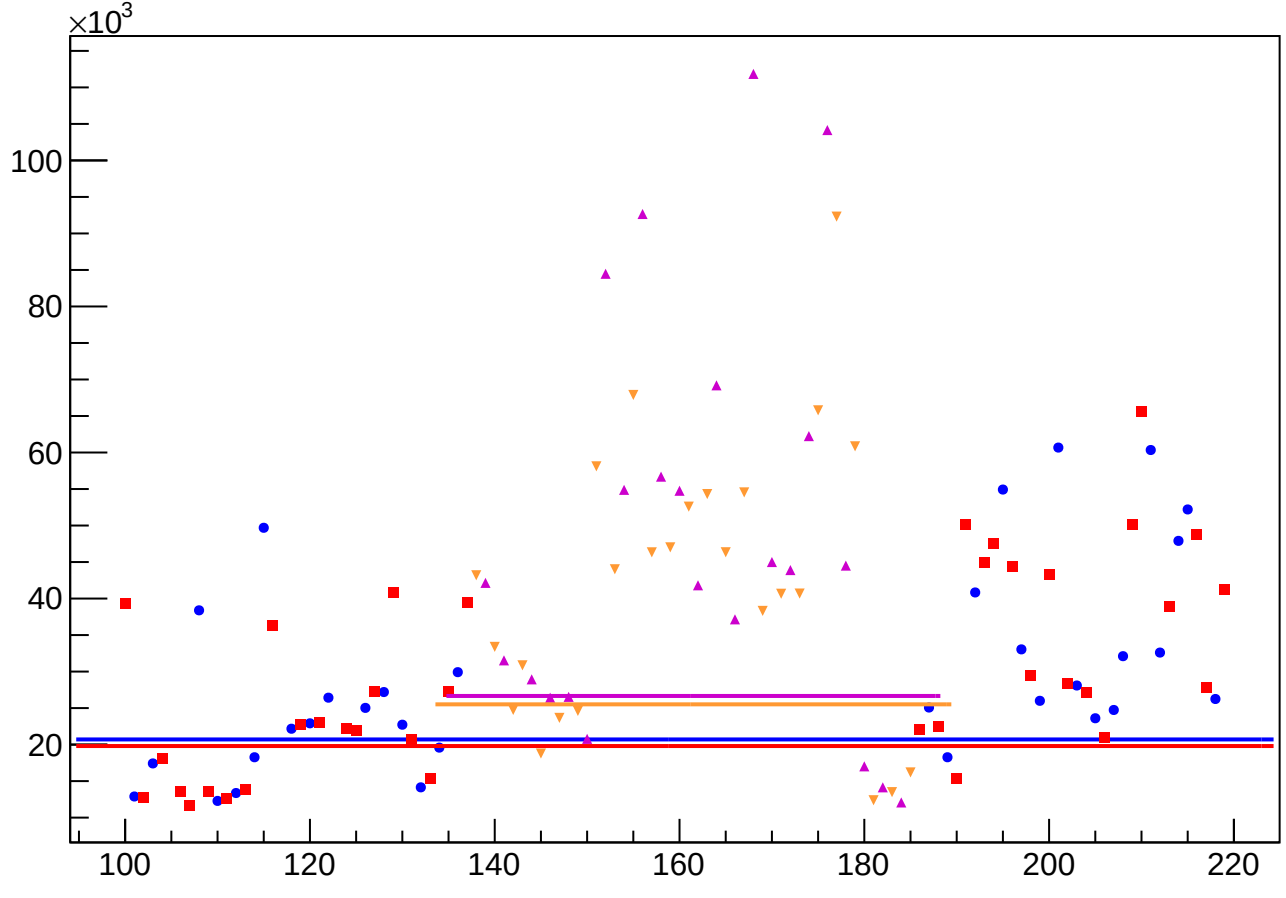
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 1.801+/-4.068 χ^2/NDF: 76.4/68

In: -1.319+/-4.942 χ^2/NDF:54.4/54

Out: 5.714+/-4.491 χ^2/NDF:66.8/61

All: 2.533+/-3.324 χ^2/NDF: 122.4/116



Right In: 20706.457+/-4.215 χ^2/NDF: 4207098.2/31

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 19803.006+/-3.936 χ^2/NDF: 5039774.9/36

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

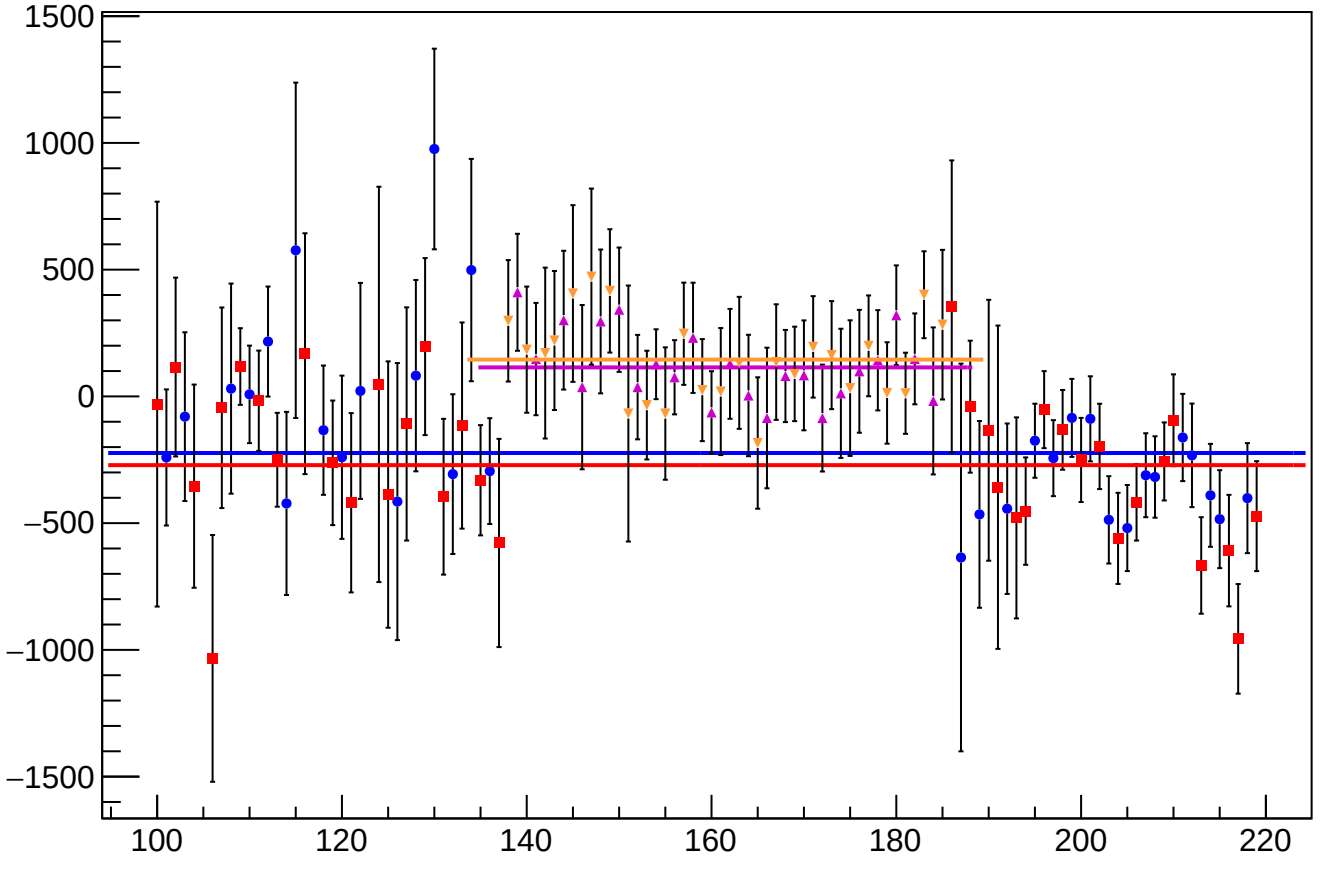
Right: 20223.854+/-2.877 χ^2/NDF: 9271417.3/68

In: 22567.407+/-3.495 χ^2/NDF:10714068.8/54

Out: 21796.026+/-3.175 χ^2/NDF:13516942.1/61

All: 22144.895+/-2.350 χ^2/NDF: 24257698.6

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -223.295+/-39.747 χ^2/NDF: 33.2/31

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -271.182+/-38.862 χ^2/NDF: 44.7/36

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

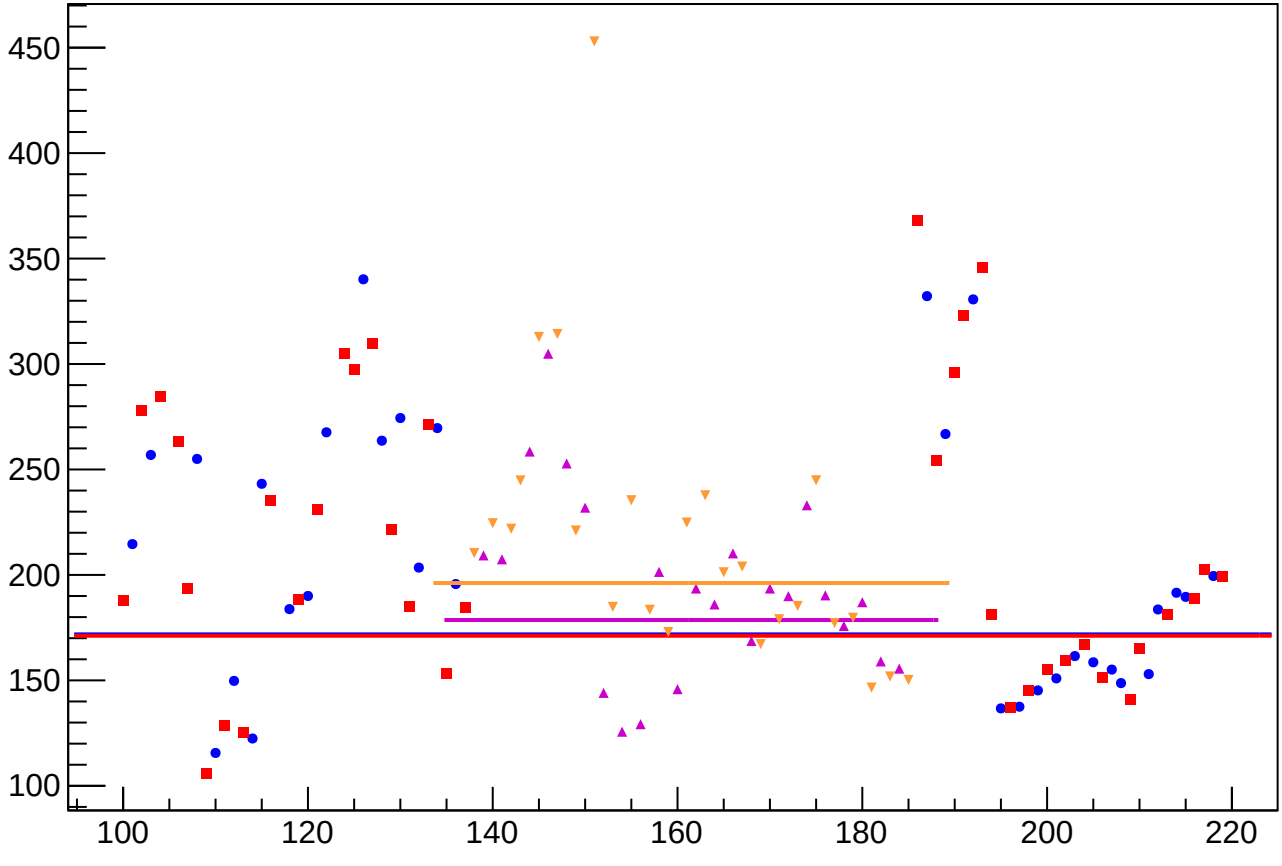
Right: -247.778+/-27.787 χ^2/NDF: 78.7/68

In: -70.099+/-29.379 χ^2/NDF:74.4/54

Out: -98.768+/-29.746 χ^2/NDF:103.4/61

All: -84.256+/-20.903 χ^2/NDF: 178.3/116

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 171.804+/-0.028 χ^2/NDF: 2372123.0/31

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 171.159+/-0.027 χ^2/NDF: 3108757.8/36

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

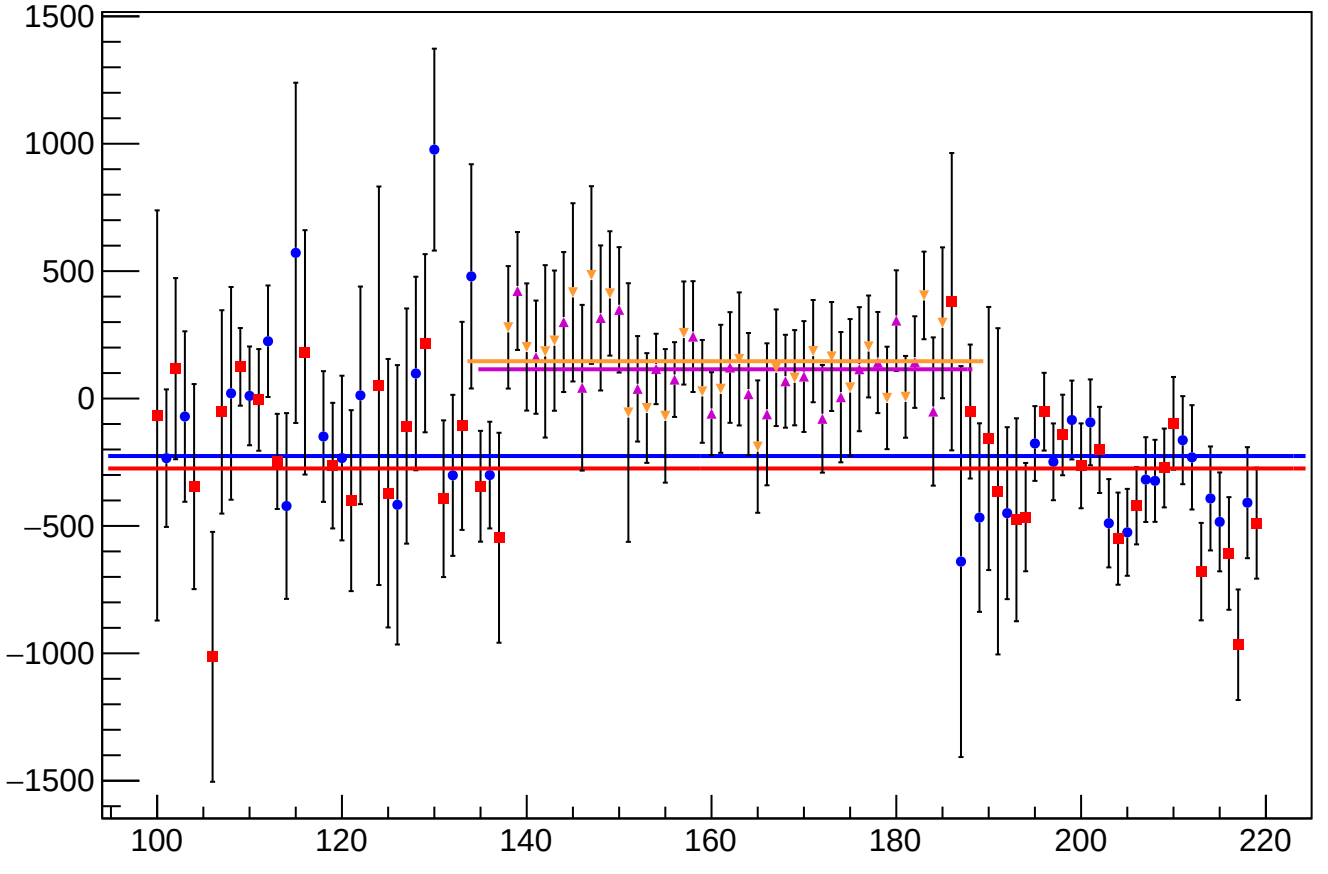
Right: 171.474+/-0.020 χ^2/NDF: 5481150.2/68

In: 174.896+/-0.021 χ^2/NDF:4050682.3/54

Out: 181.514+/-0.021 χ^2/NDF:5258552.4/61

All: 178.164+/-0.015 χ^2/NDF: 9359343.9/116

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -225.688+/-39.934 χ^2/NDF: 33.3/31

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -274.494+/-39.054 χ^2/NDF: 45.0/36

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

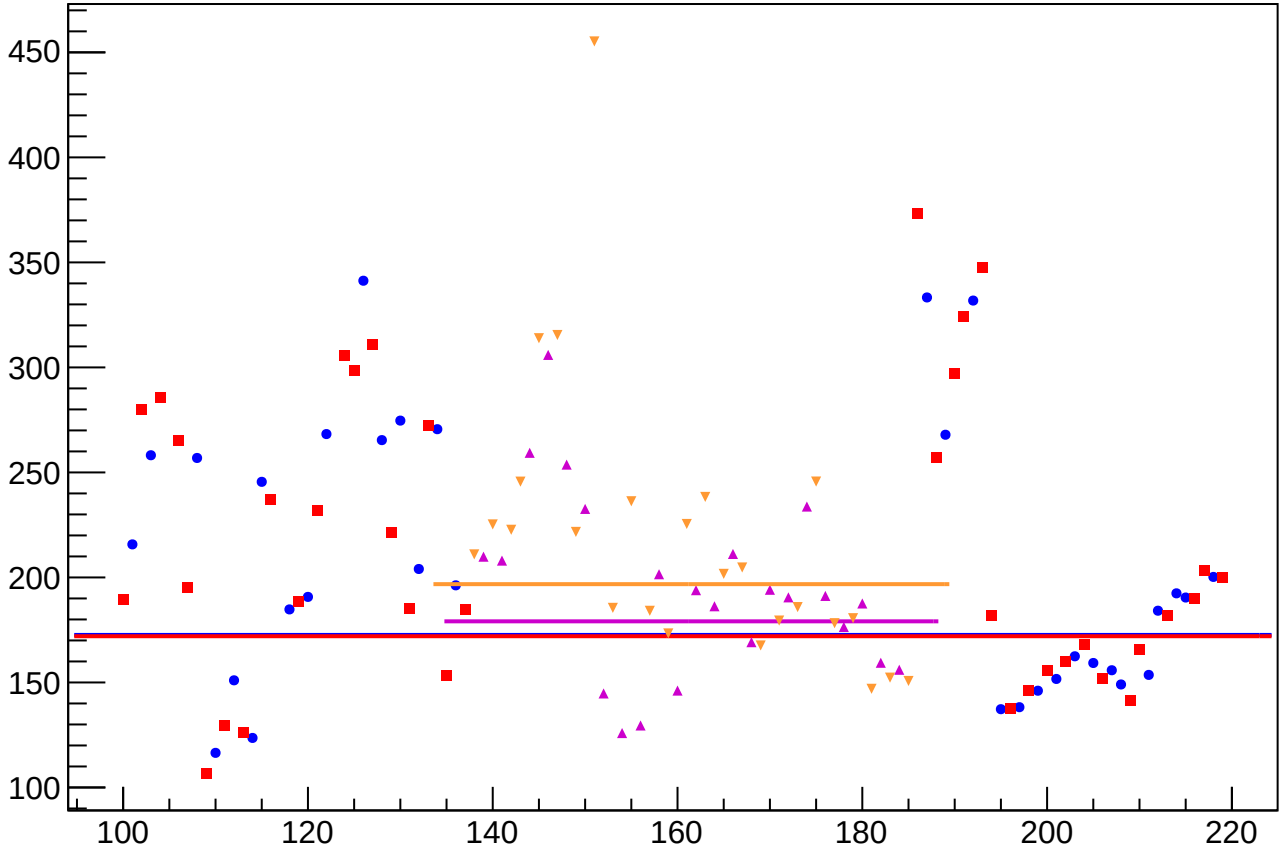
Right: -250.634+/-27.921 χ^2/NDF: 79.1/68

In: -70.899+/-29.492 χ^2/NDF:74.8/54

Out: -99.862+/-29.874 χ^2/NDF:104.6/61

All: -85.194+/-20.987 χ^2/NDF: 179.9/116

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 172.629+/-0.028 χ^2/NDF: 2363642.7/31

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 172.012+/-0.028 χ^2/NDF: 3104834.2/36

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

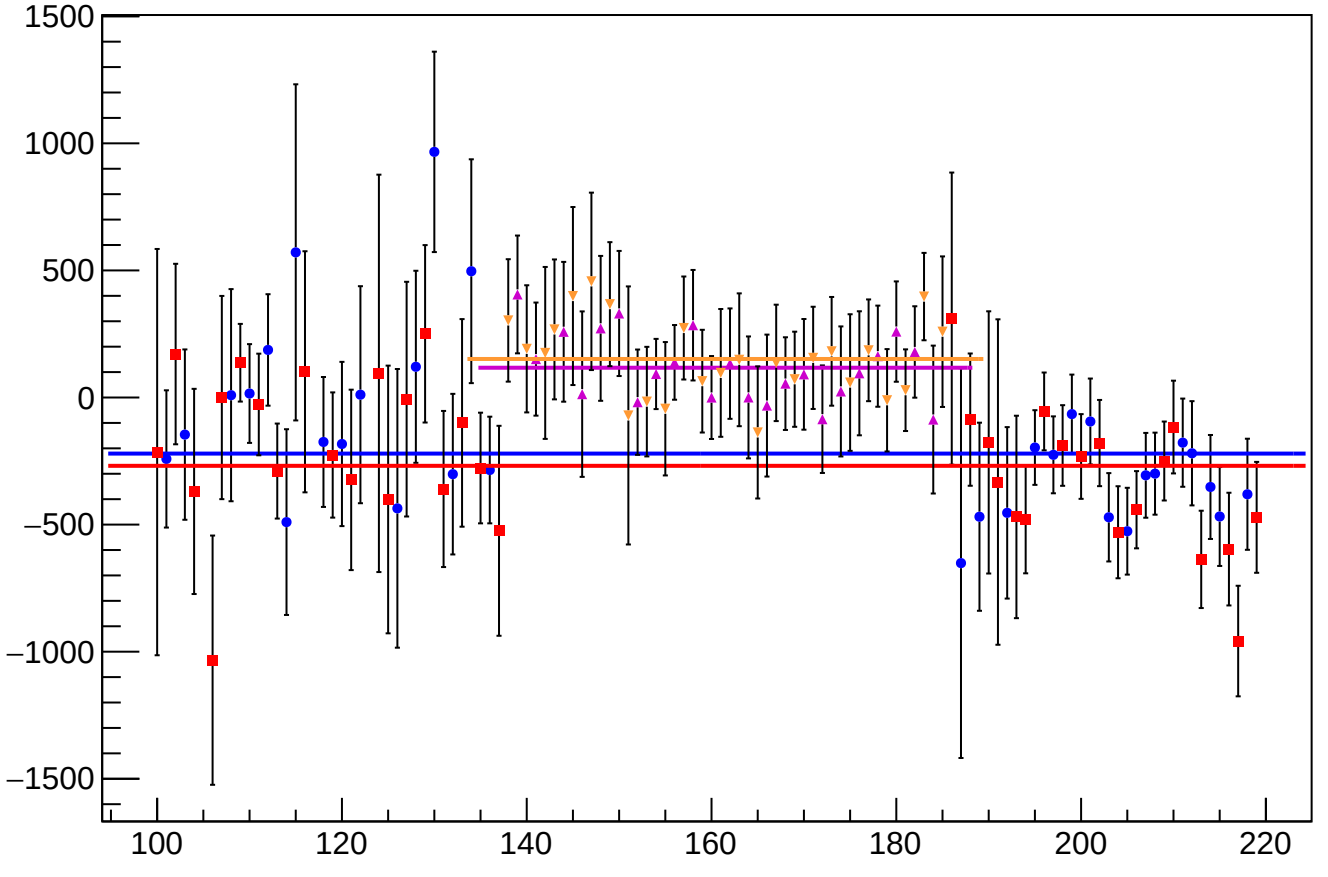
Right: 172.313+/-0.020 χ^2/NDF: 5468720.9/68

In: 175.571+/-0.021 χ^2/NDF:4043390.4/54

Out: 182.298+/-0.021 χ^2/NDF:5247877.1/61

All: 178.891+/-0.015 χ^2/NDF: 9342633.4/116

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -220.613+/-40.010 χ^2/NDF: 31.7/31

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -268.770+/-39.109 χ^2/NDF: 43.3/36

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

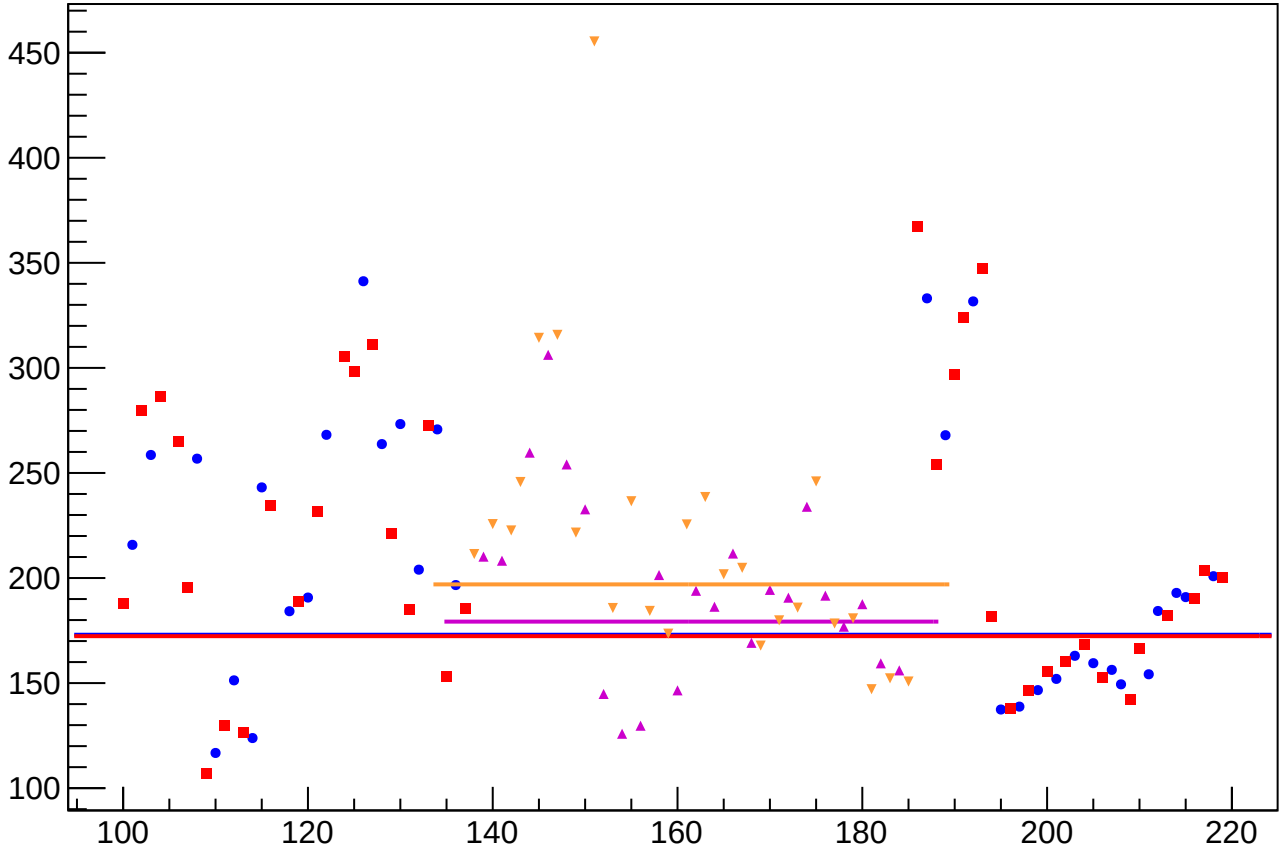
Right: -245.240+/-27.967 χ^2/NDF: 75.8/68

In: -66.886+/-29.534 χ^2/NDF:71.6/54

Out: -94.253+/-29.909 χ^2/NDF:100.9/61

All: -80.397+/-21.015 χ^2/NDF: 172.9/116

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 173.008+/-0.028 χ^2/NDF: 2342016.5/31

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 172.331+/-0.028 χ^2/NDF: 3069369.9/36

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

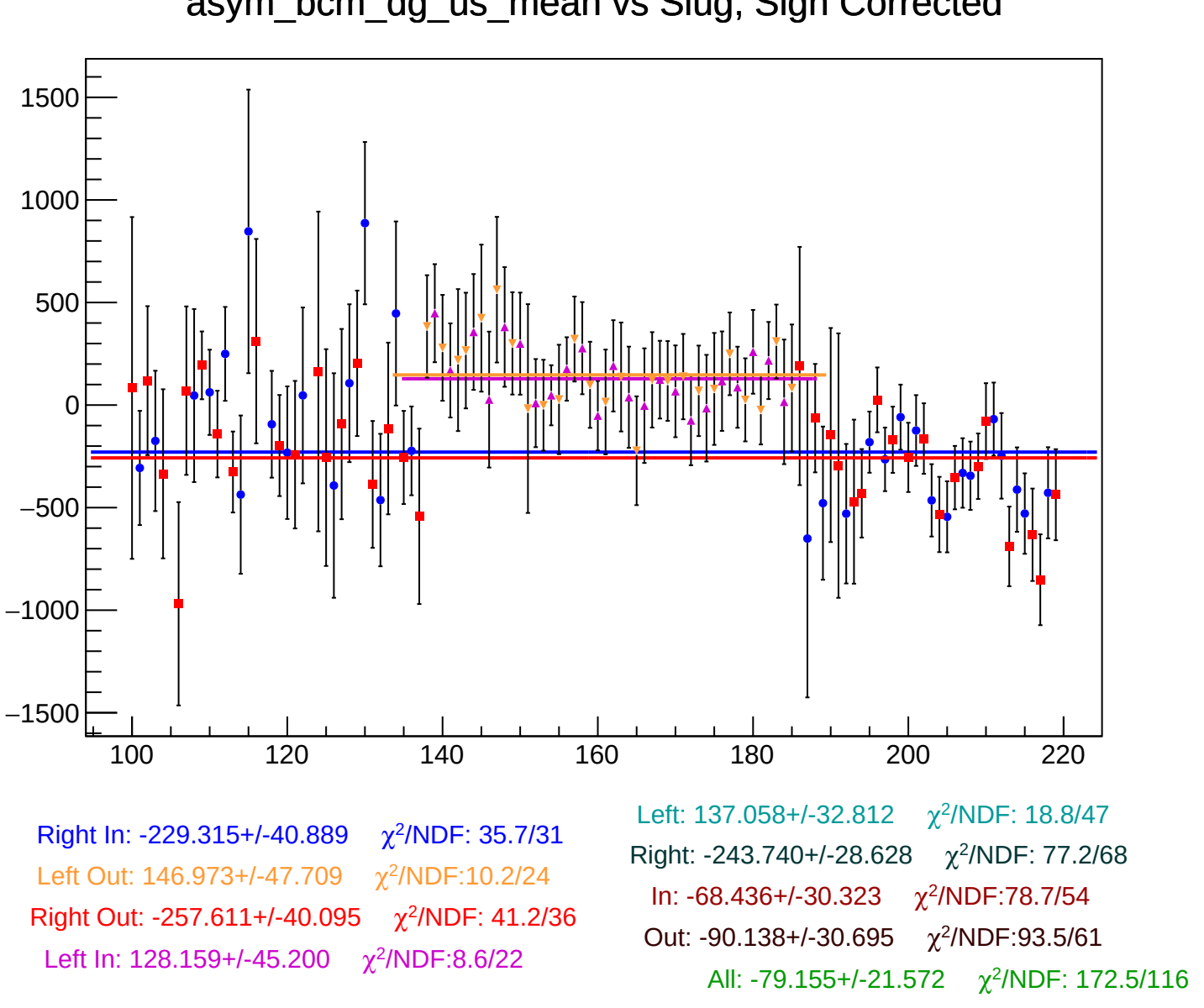
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 172.662+/-0.020 χ^2/NDF: 5411679.5/68

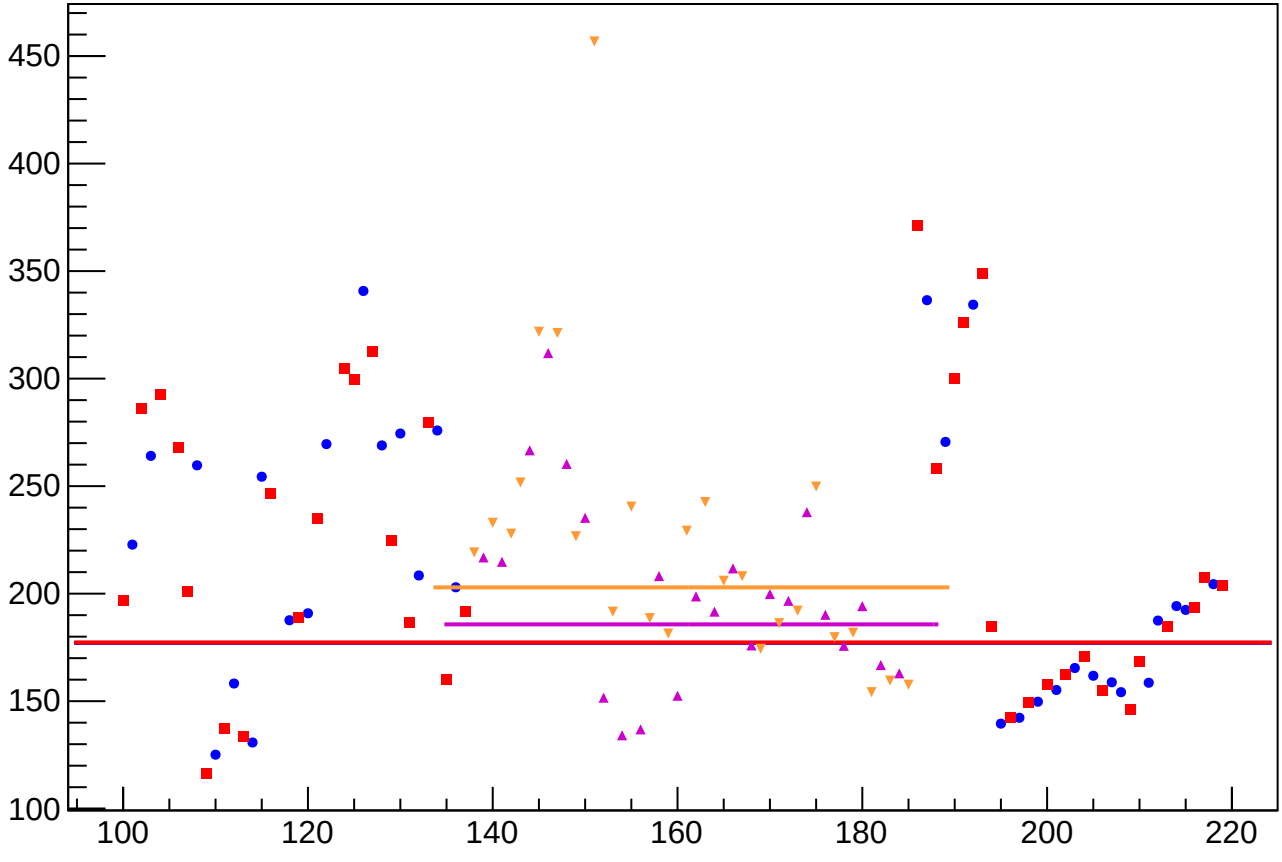
In: 175.852+/-0.021 χ^2/NDF:4020235.9/54

Out: 182.562+/-0.021 χ^2/NDF:5208375.4/61

All: 179.164+/-0.015 χ^2/NDF: 9279586.0/116


asym_bcm_dg_us_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -229.315+/-40.889 χ²/NDF: 35.7/31
Left Out: 146.973+/-47.709 χ²/NDF:10.2/24
Right Out: -257.611+/-40.095 χ²/NDF: 41.2/36
Left In: 128.159+/-45.200 χ²/NDF:8.6/22
Left: 137.058+/-32.812 χ²/NDF: 18.8/47
Right: -243.740+/-28.628 χ²/NDF: 77.2/68
In: -68.436+/-30.323 χ²/NDF:78.7/54
Out: -90.138+/-30.695 χ²/NDF:93.5/61
All: -79.155+/-21.572 χ²/NDF: 172.5/116

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 177.114+/-0.029 χ^2/NDF: 2235753.5/31

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 177.290+/-0.028 χ^2/NDF: 2848542.5/36

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

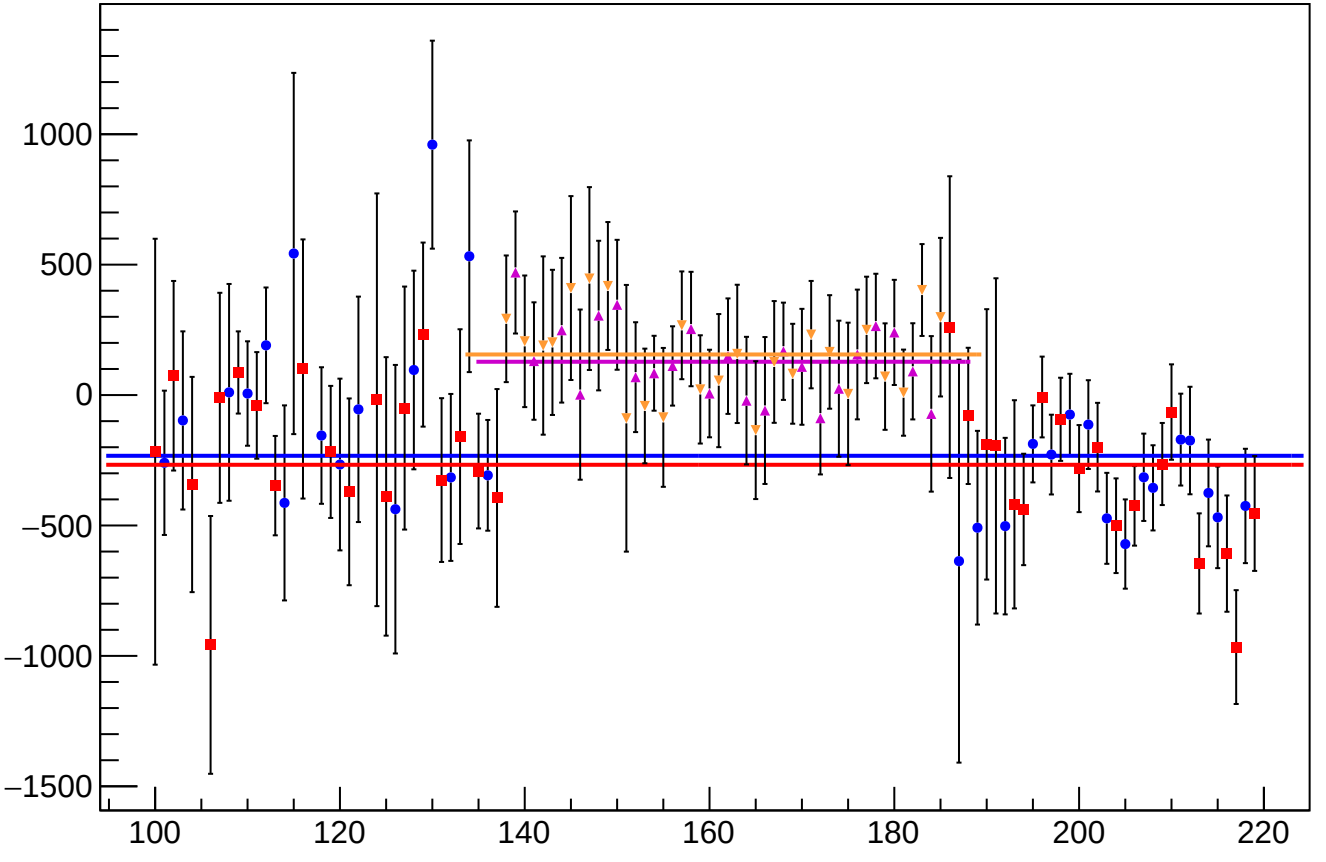
Right: 177.204+/-0.020 χ^2/NDF: 5084314.9/68

In: 180.985+/-0.021 χ^2/NDF:3765073.1/54

Out: 187.899+/-0.022 χ^2/NDF:4886938.7/61

All: 184.400+/-0.015 χ^2/NDF: 8703368.7/116

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -232.824+/-40.378 χ^2/NDF: 32.9/31

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -267.317+/-39.506 χ^2/NDF: 40.5/36

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

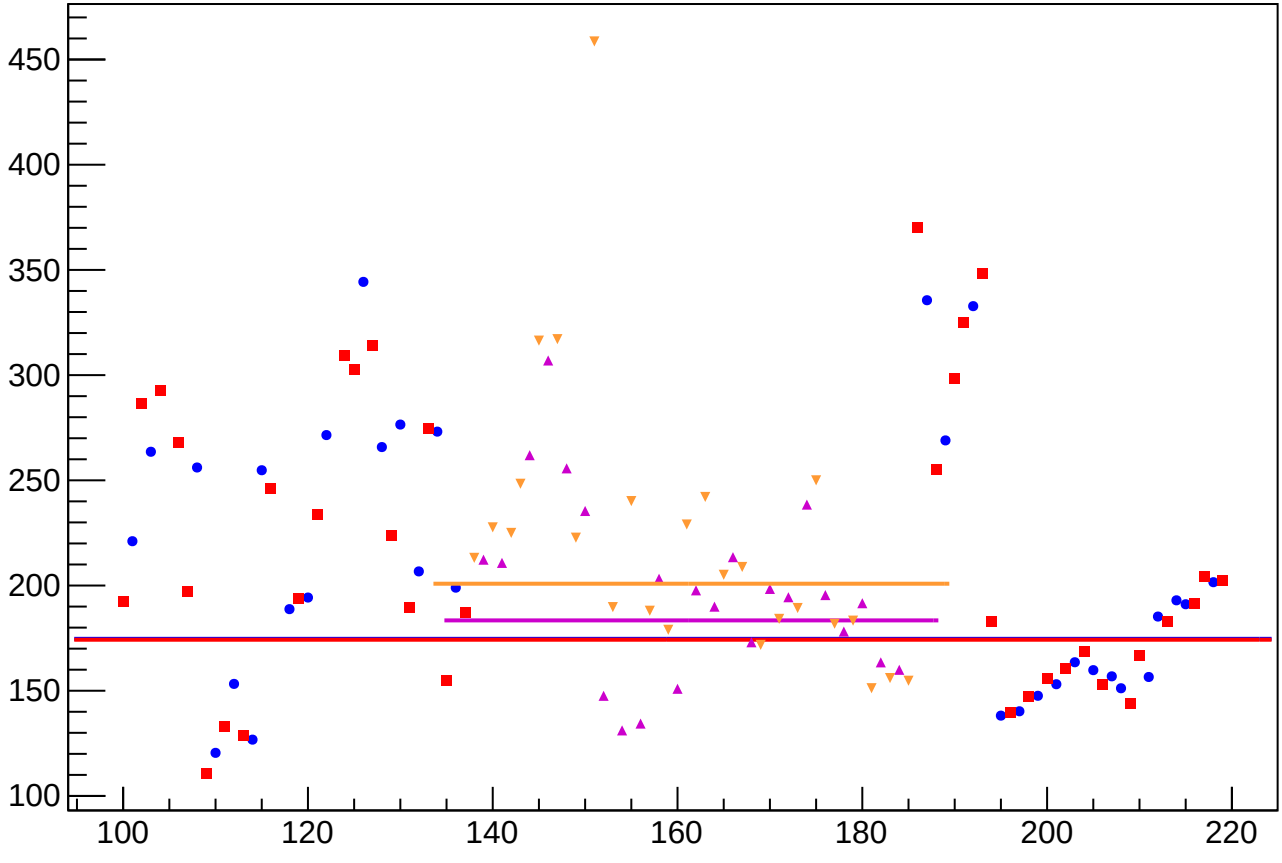
Right: -250.447+/-28.238 χ^2/NDF: 73.8/68

In: -70.839+/-29.963 χ^2/NDF:76.7/54

Out: -93.350+/-30.311 χ^2/NDF:98.3/61

All: -81.964+/-21.309 χ^2/NDF: 175.3/116

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 174.667+/-0.029 χ^2/NDF: 2326640.2/31

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 174.244+/-0.028 χ^2/NDF: 3024807.6/36

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

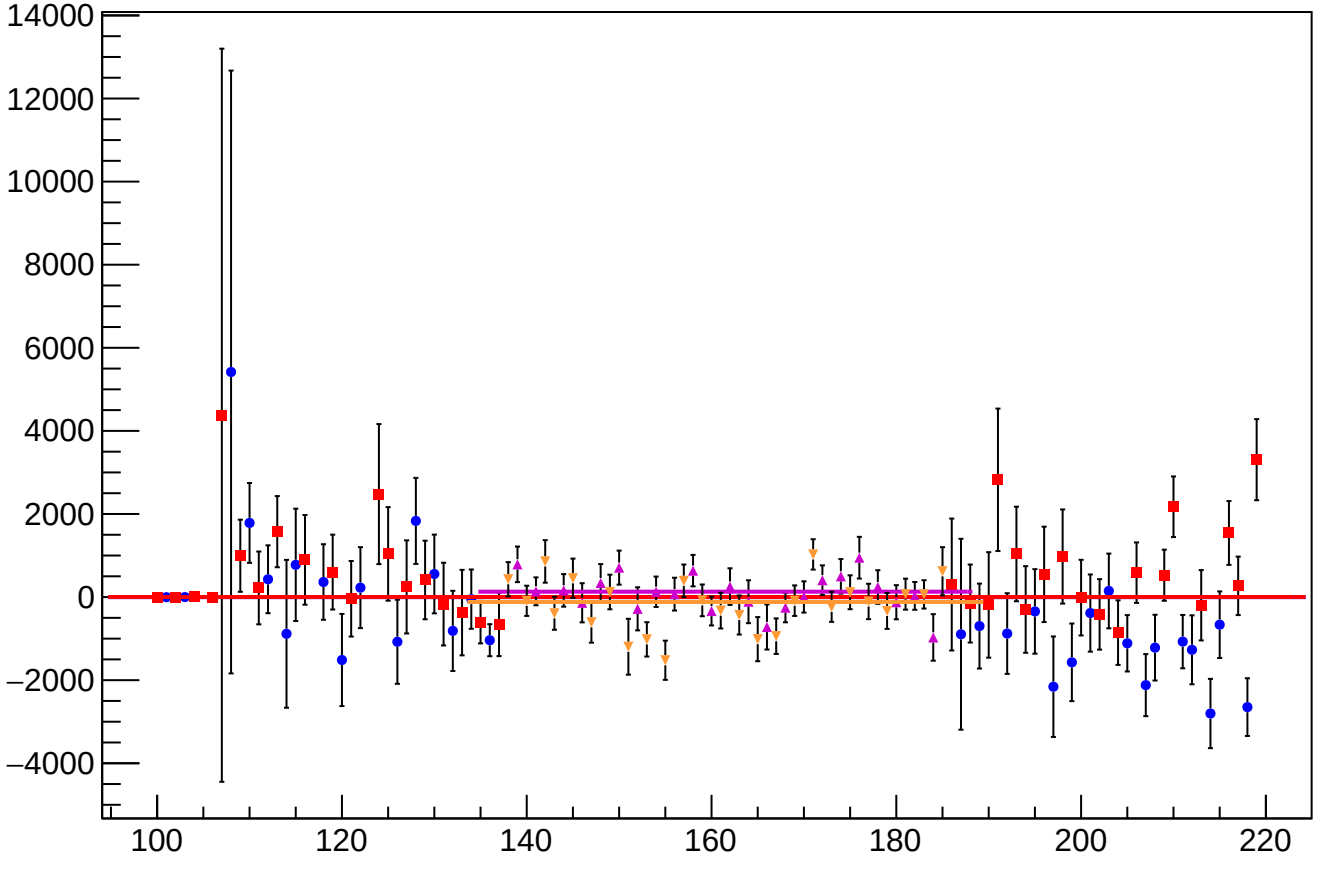
Right: 174.451+/-0.020 χ^2/NDF: 5351560.0/68

In: 178.606+/-0.021 χ^2/NDF:3899675.4/54

Out: 185.193+/-0.021 χ^2/NDF:5125717.5/61

All: 181.862+/-0.015 χ^2/NDF: 9073163.5/116

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.374+/-2.171 χ^2/NDF: 72.3/31

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.432+/-2.022 χ^2/NDF: 48.9/36

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

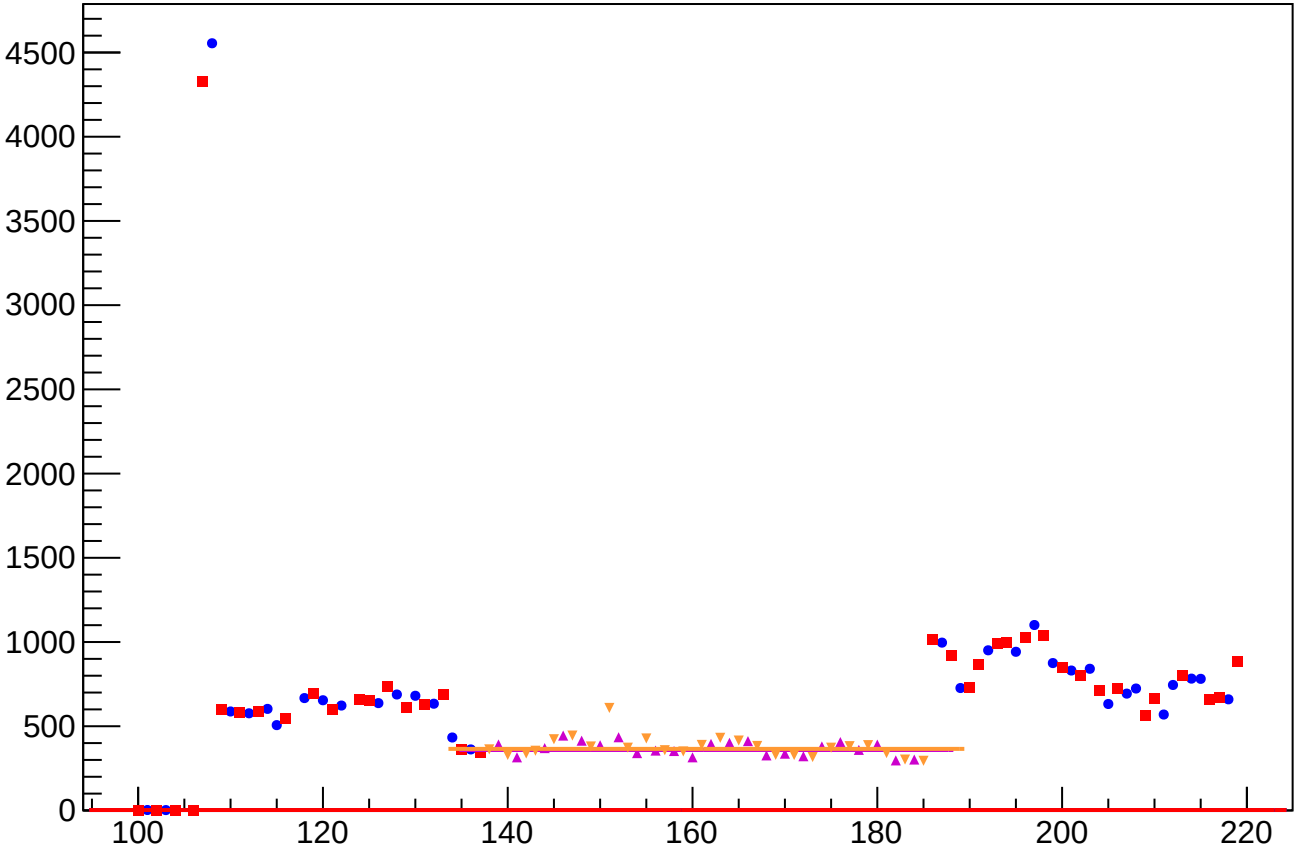
Right: 0.128+/-1.480 χ^2/NDF: 122.2/68

In: -1.289+/-2.170 χ^2/NDF:96.4/54

Out: 1.363+/-2.022 χ^2/NDF:97.3/61

All: 0.131+/-1.479 χ^2/NDF: 194.5/116

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.554+/-0.002 χ^2/NDF: 37033632.7/31

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.533+/-0.001 χ^2/NDF: 39138135.8/36

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

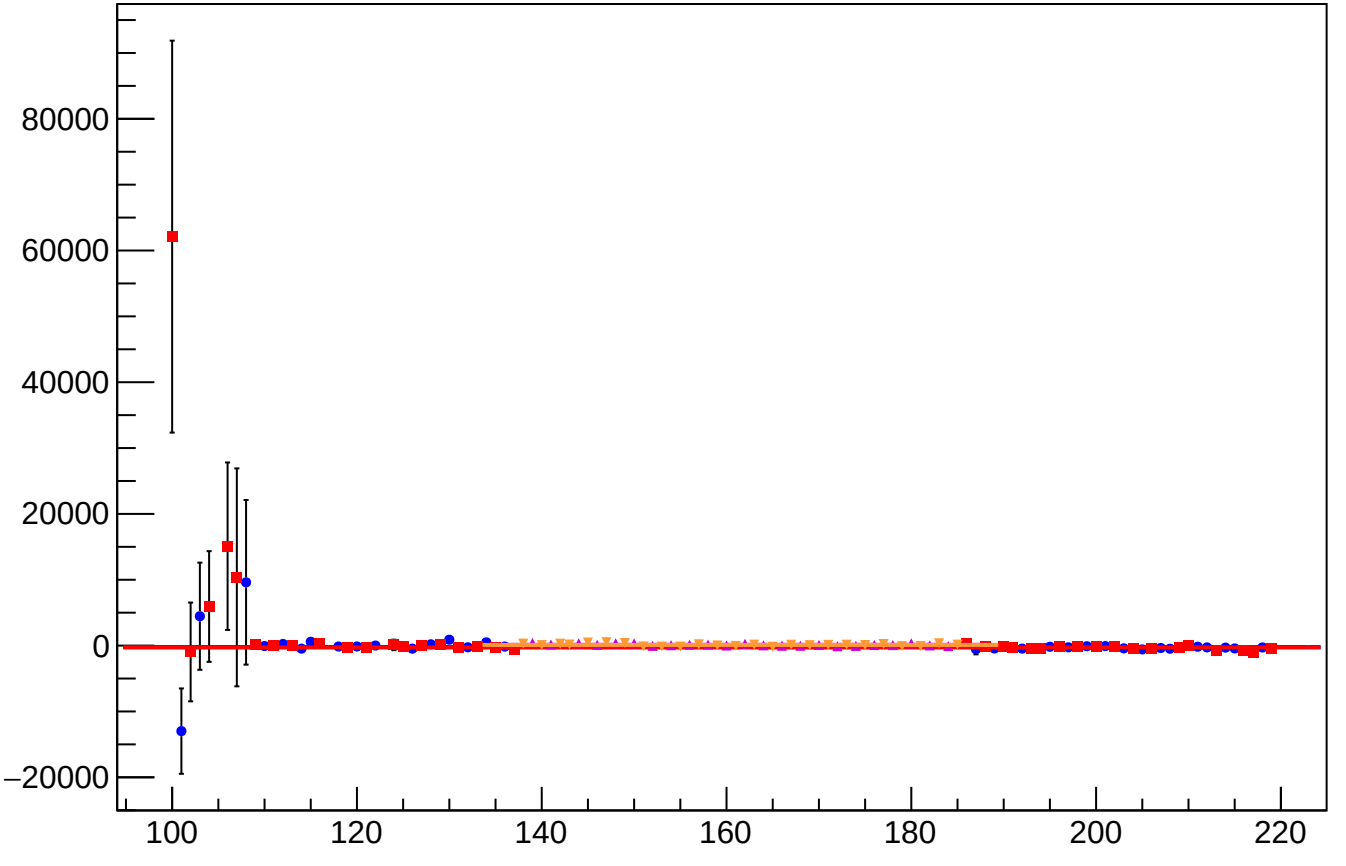
Right: 2.543+/-0.001 χ^2/NDF: 76171869.8/68

In: 2.786+/-0.002 χ^2/NDF:72570598.7/54

Out: 2.742+/-0.001 χ^2/NDF:76964784.7/61

All: 2.763+/-0.001 χ^2/NDF: 149535818.8/116

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -226.693+/-43.773 χ^2/NDF: 34.5/31

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -273.649+/-43.274 χ^2/NDF: 49.2/36

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

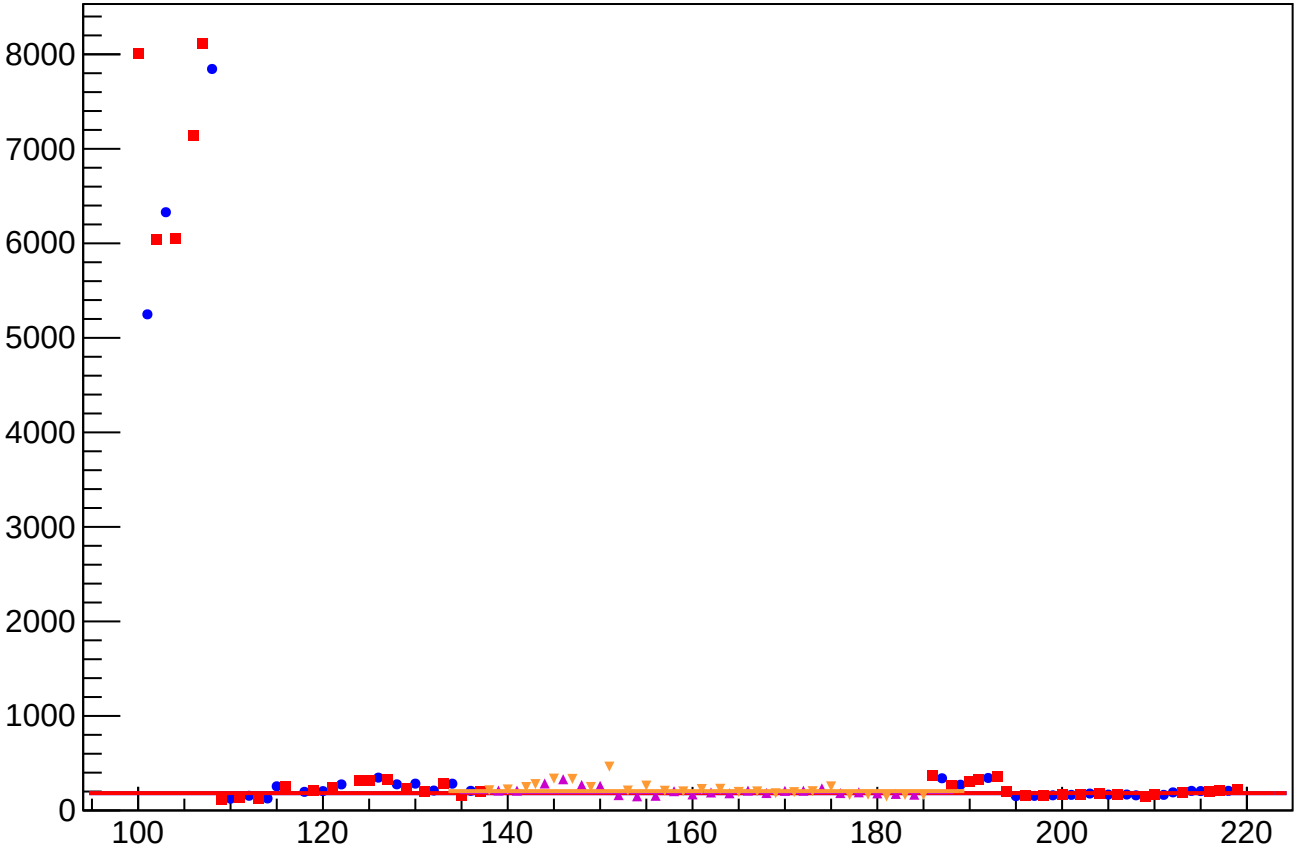
Right: -250.440+/-30.774 χ^2/NDF: 84.3/68

In: -65.804+/-32.019 χ^2/NDF:72.9/54

Out: -107.256+/-32.215 χ^2/NDF:95.1/61

All: -86.403+/-22.710 χ^2/NDF: 168.8/116

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 182.761+/-0.031 χ^2/NDF: 4975956.9/31

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 183.506+/-0.031 χ^2/NDF: 5707838.6/36

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

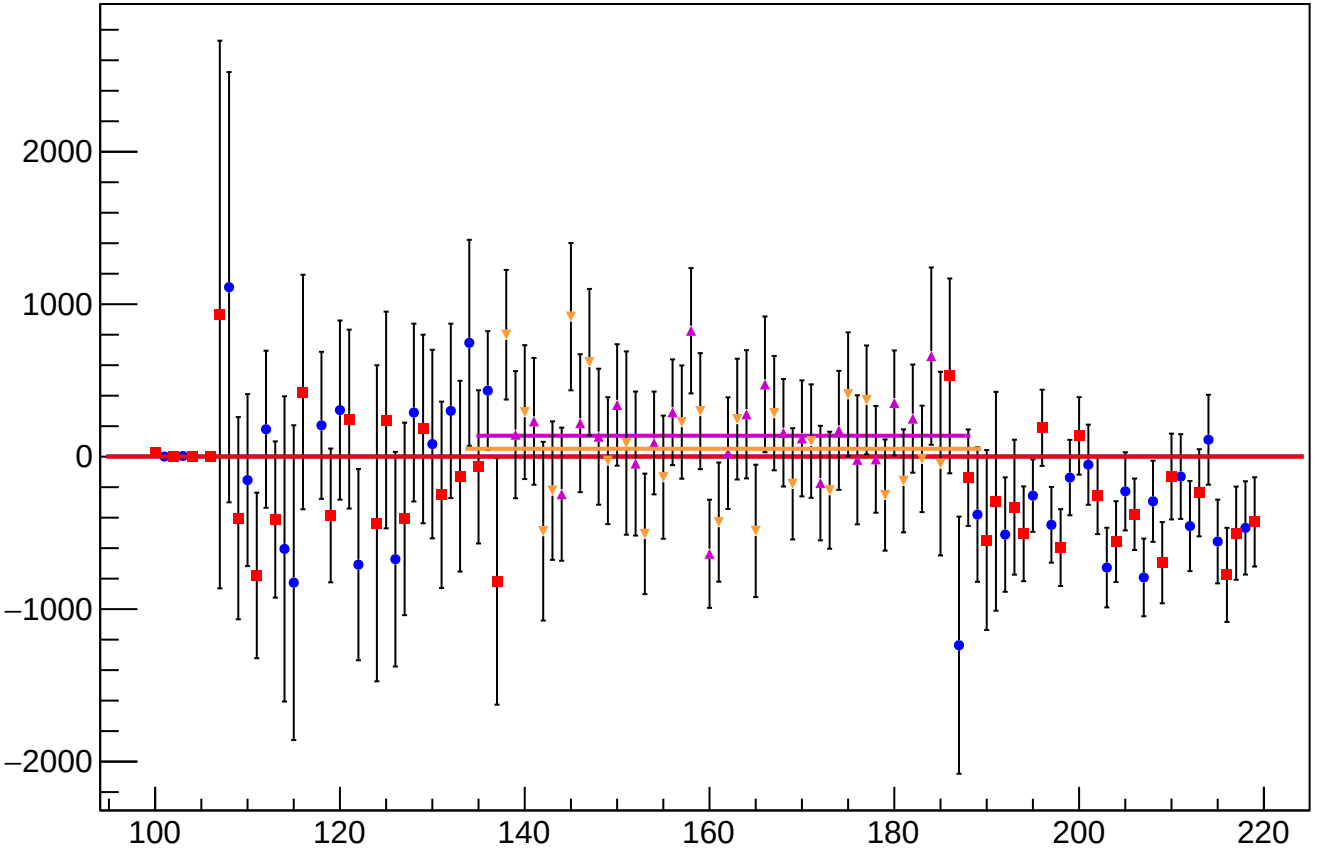
Right: 183.138+/-0.022 χ^2/NDF: 10684088.6/68

In: 187.938+/-0.023 χ^2/NDF:6227712.2/54

Out: 192.901+/-0.023 χ^2/NDF:7894421.6/61

All: 190.404+/-0.016 χ^2/NDF: 14146016.4/11

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.260+/-1.660 χ^2/NDF: 46.2/31

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 0.942+/-1.527 χ^2/NDF: 47.7/36

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

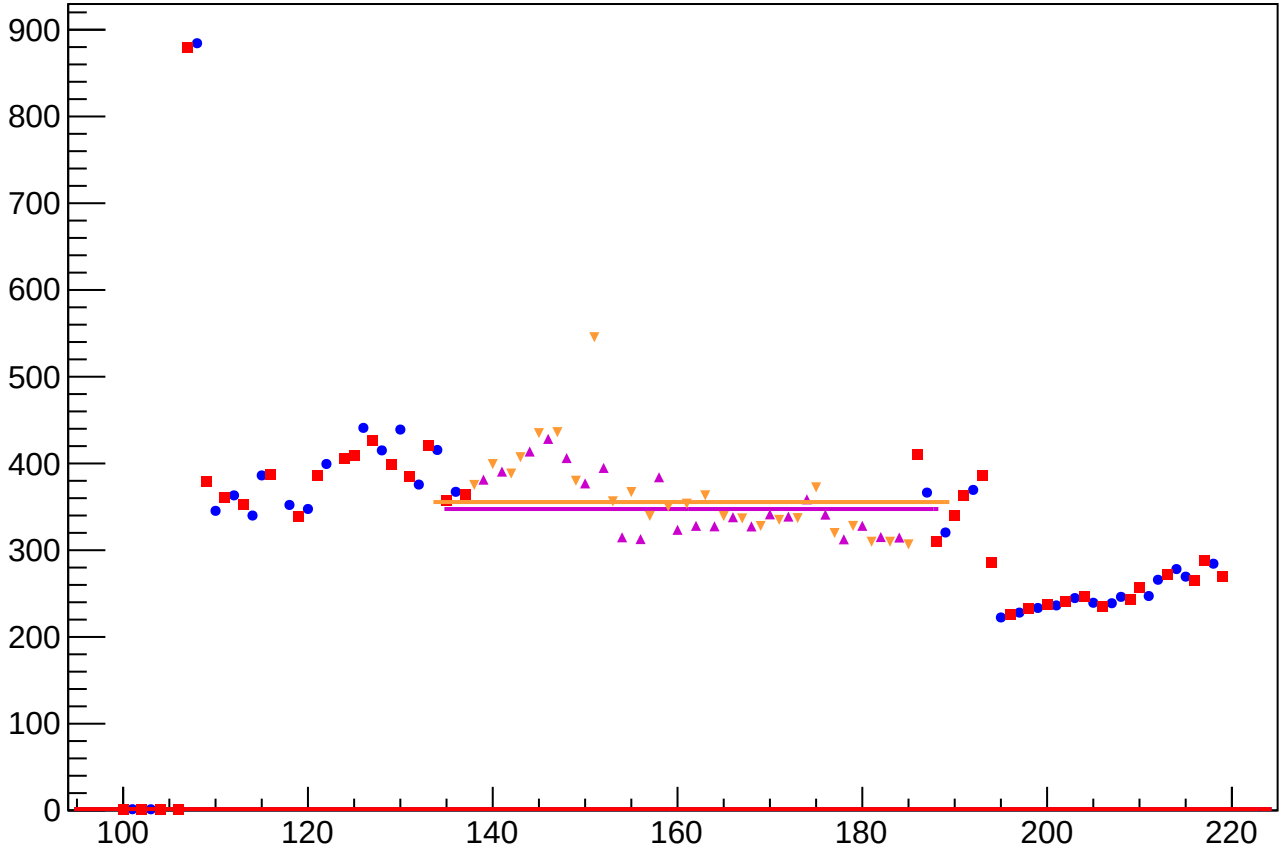
Right: 1.088+/-1.124 χ^2/NDF: 93.9/68

In: 1.316+/-1.660 χ^2/NDF:61.1/54

Out: 0.959+/-1.527 χ^2/NDF:67.5/61

All: 1.123+/-1.124 χ^2/NDF: 128.6/116

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.607+/-0.001 χ^2/NDF: 37253609.3/31

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.588+/-0.001 χ^2/NDF: 38825855.5/36

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

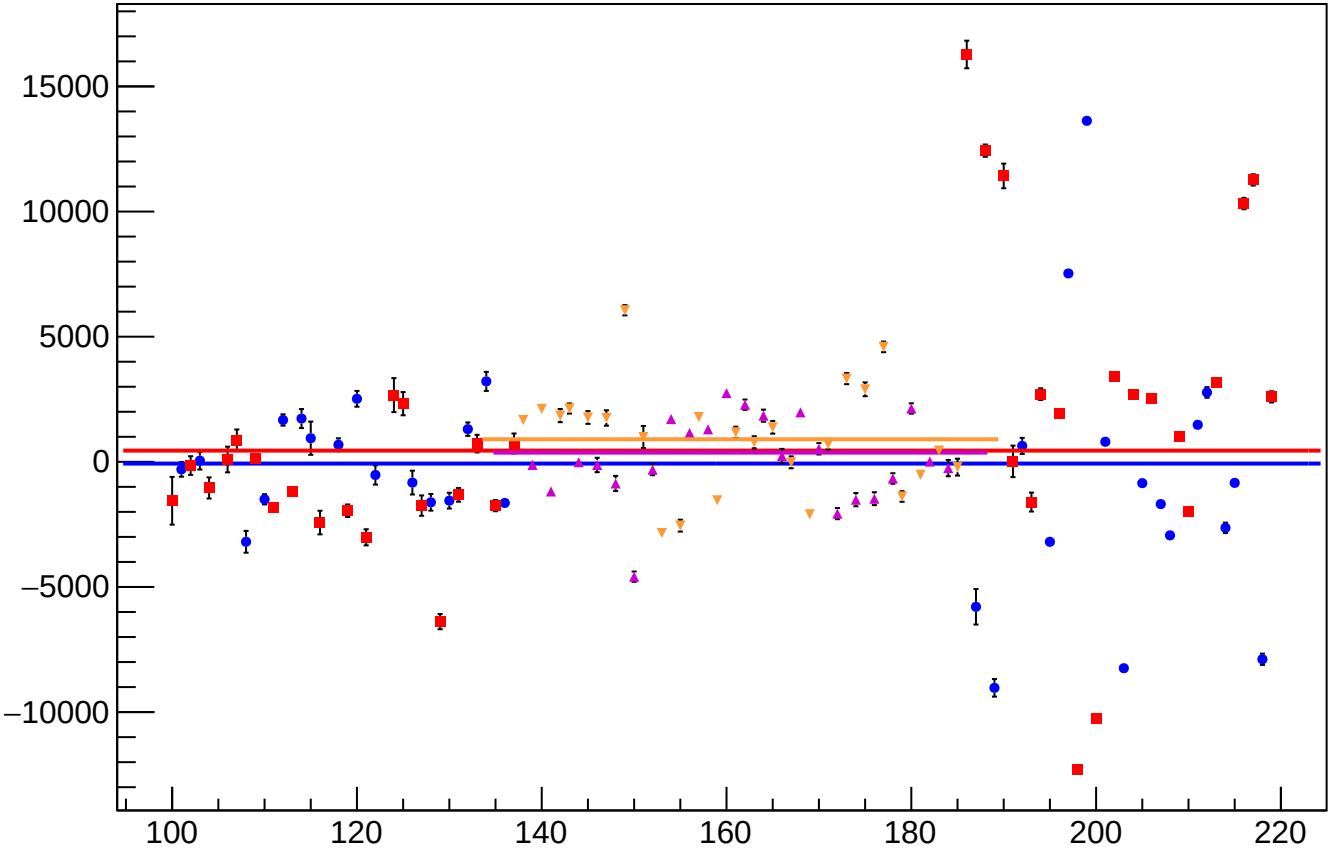
Right: 1.597+/-0.001 χ^2/NDF: 76079609.2/68

In: 1.749+/-0.001 χ^2/NDF:73070727.9/54

Out: 1.712+/-0.001 χ^2/NDF:77012377.8/61

All: 1.729+/-0.001 χ^2/NDF: 150083624.7/116

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -69.335+/-41.975 χ^2/NDF: 13485.2/31

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 448.543+/-40.945 χ^2/NDF: 18860.0/36

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

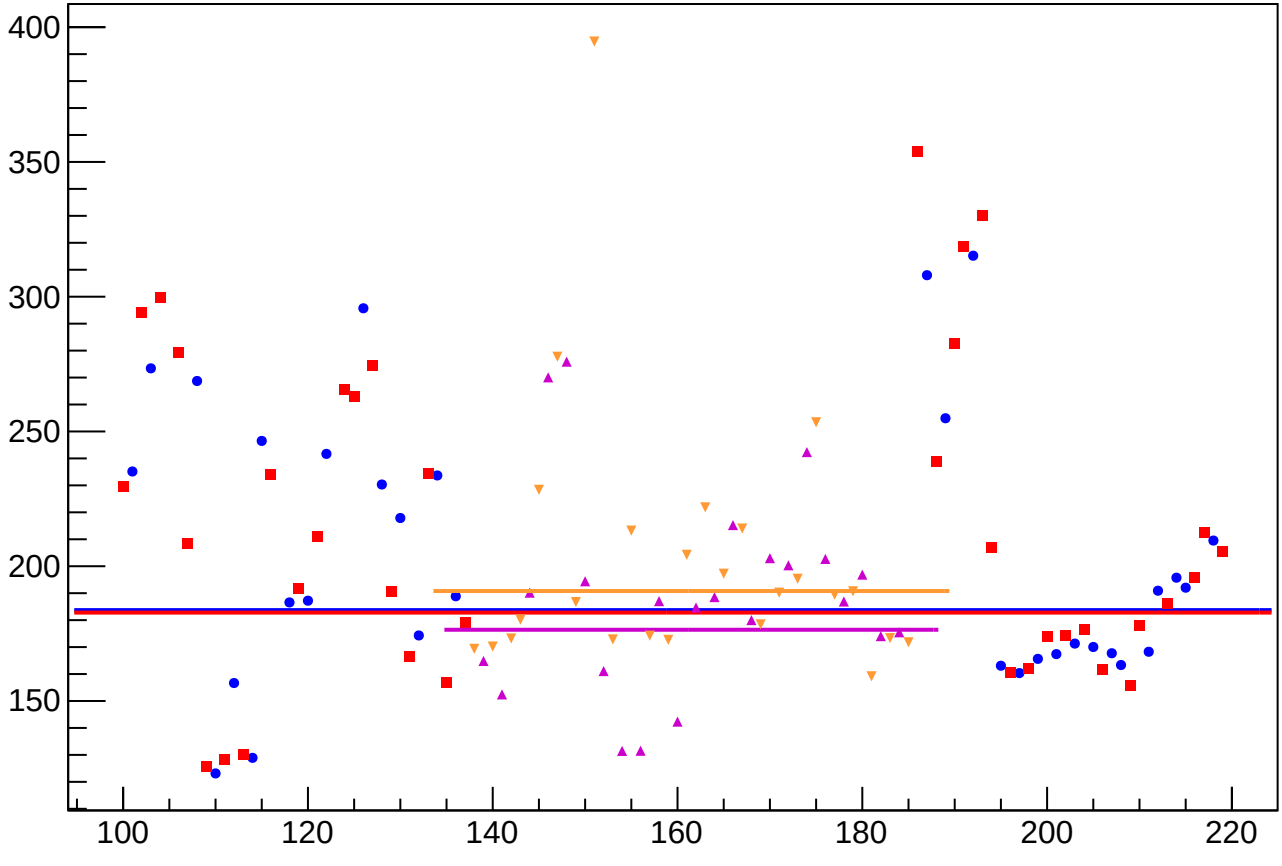
Right: 196.037+/-29.310 χ^2/NDF: 32423.2/68

In: 145.713+/-29.934 χ^2/NDF:15131.6/54

Out: 656.291+/-30.125 χ^2/NDF:21327.1/61

All: 399.375+/-21.234 χ^2/NDF: 36603.2/116

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 183.716+/-0.030 χ^2/NDF: 1483581.9/31

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 182.804+/-0.029 χ^2/NDF: 2254976.8/36

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

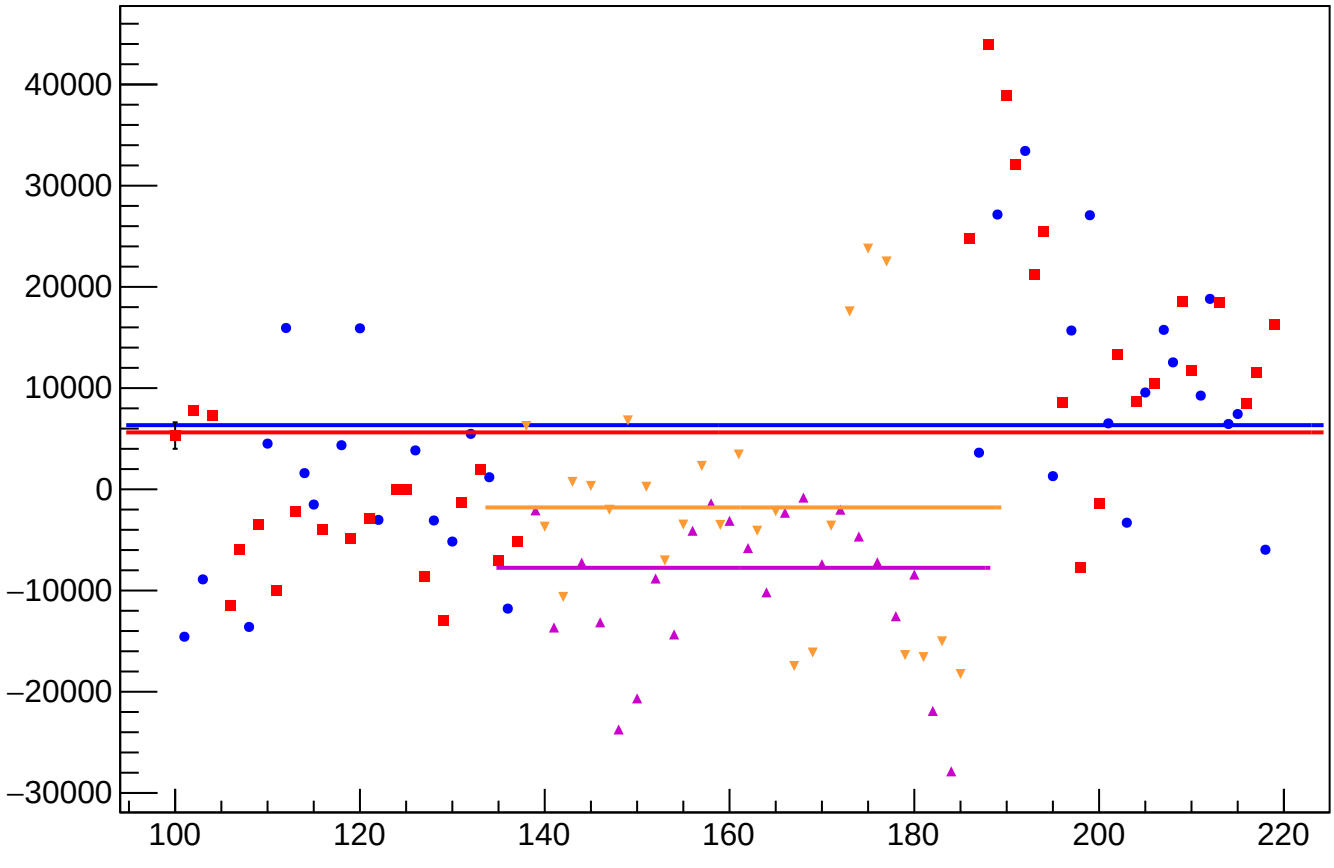
Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

Right: 183.248+/-0.021 χ^2/NDF: 3739042.4/68

In: 180.136+/-0.021 χ^2/NDF:2770844.3/54

Out: 186.472+/-0.021 χ^2/NDF:3309570.8/61

All: 183.284+/-0.015 χ^2/NDF: 6124933.4/116



Right In: 6339.118+/-38.059 χ^2/NDF: 99112.1/31

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 5625.025+/-36.486 χ^2/NDF: 149627.3/36

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

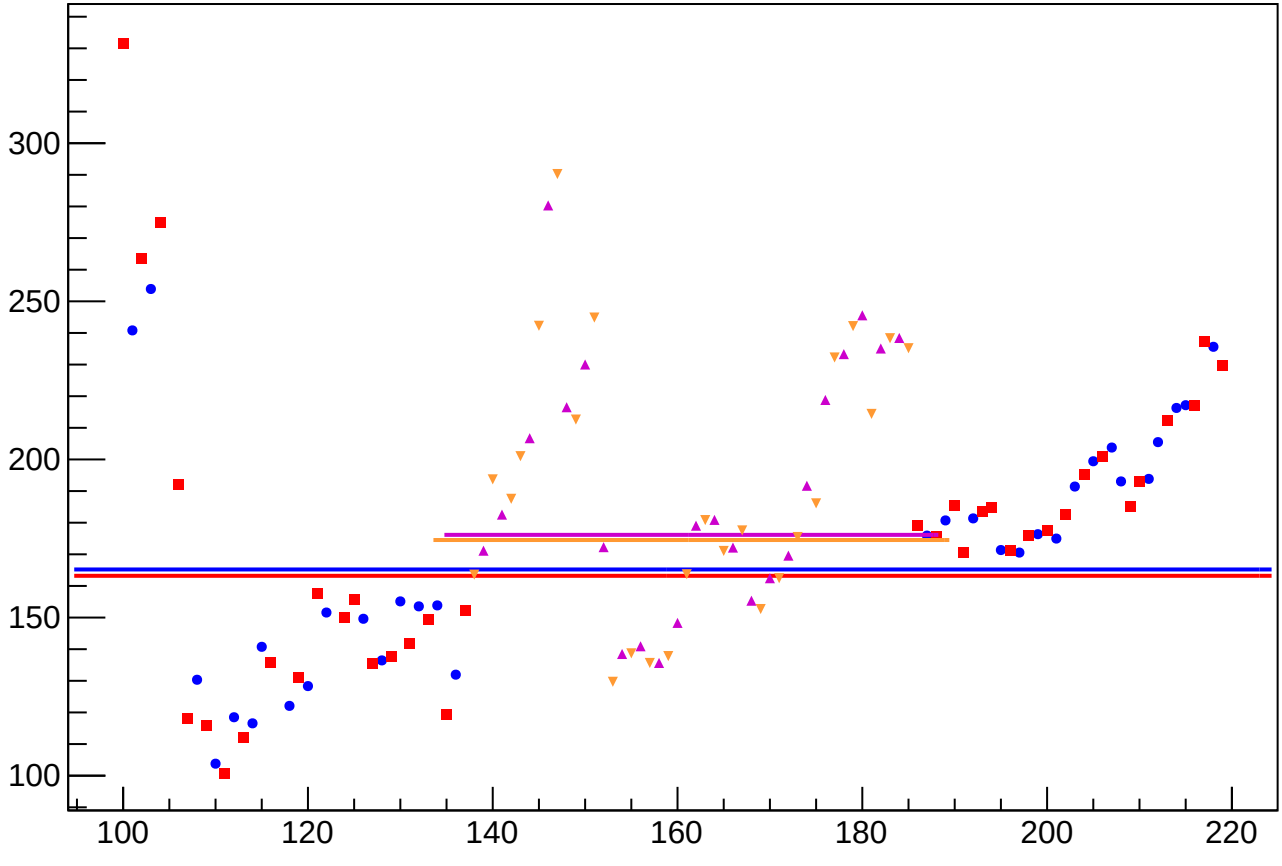
Right: 5967.011+/-26.338 χ^2/NDF: 248922.8/68

In: 78.616+/-28.373 χ^2/NDF:183305.1/54

Out: 2339.882+/-27.230 χ^2/NDF:233672.6/61

All: 1255.737+/-19.646 χ^2/NDF: 420284.1/11

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 165.211+/-0.027 χ^2/NDF: 1817979.8/31

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 163.206+/-0.026 χ^2/NDF: 2261955.4/36

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

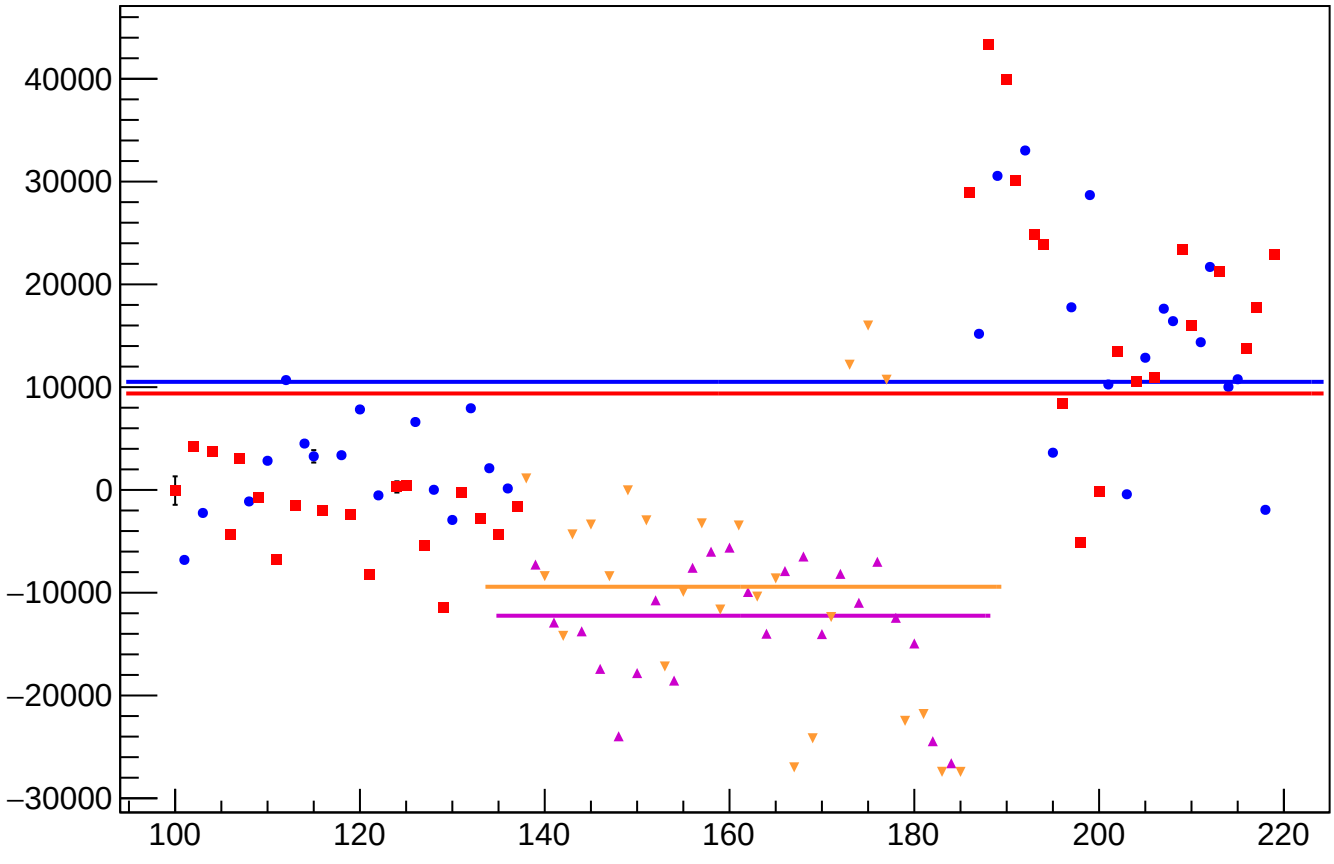
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 164.166+/-0.019 χ^2/NDF: 4082826.3/68

In: 170.072+/-0.020 χ^2/NDF:3258498.2/54

Out: 168.219+/-0.019 χ^2/NDF:4006629.7/61

All: 169.107+/-0.014 χ^2/NDF: 7269570.4/116



Right In: 10516.588+/-41.421 χ^2/NDF: 59301.8/31

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 9384.487+/-39.797 χ^2/NDF: 122918.9/36

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

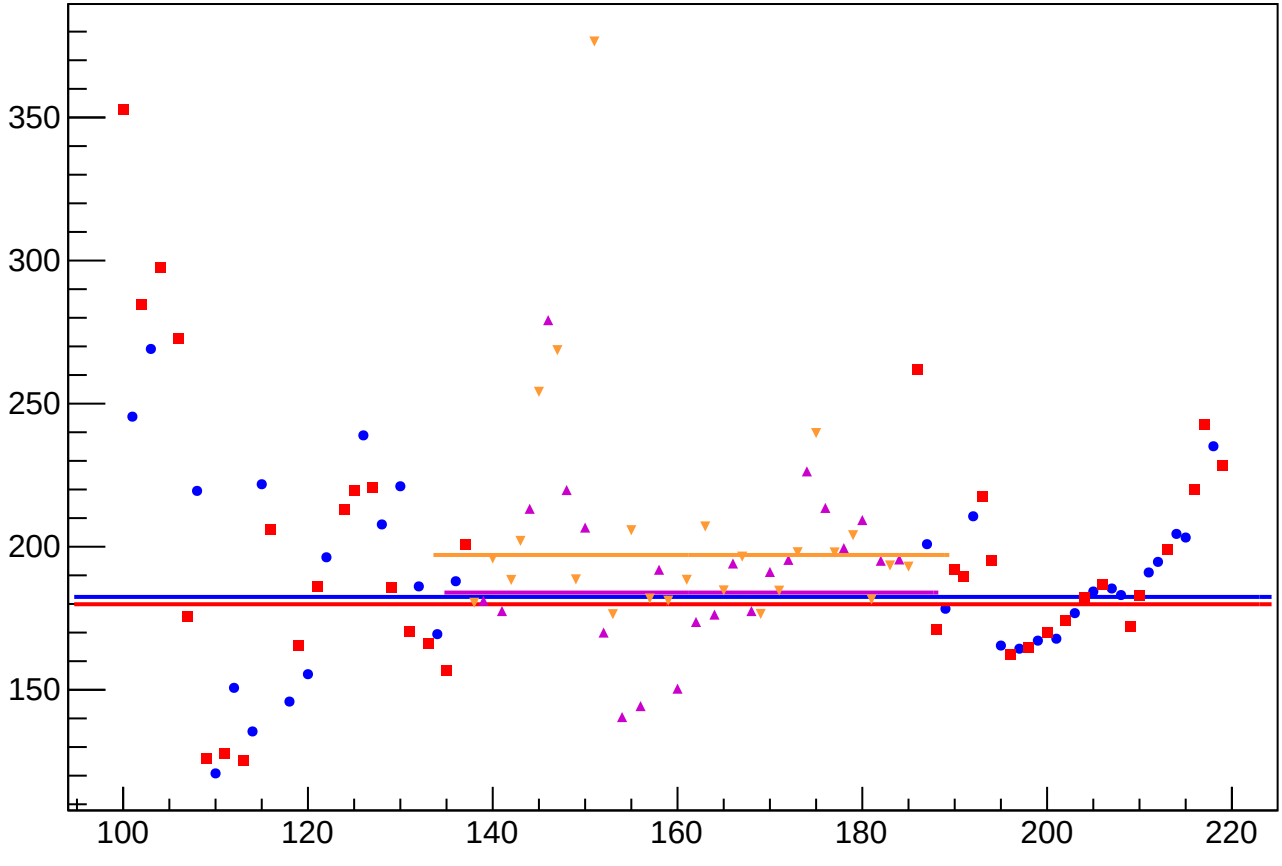
Right: 9927.919+/-28.698 χ^2/NDF: 182609.1/68

In: -124.424+/-30.222 χ^2/NDF:216451.6/54

Out: 1273.843+/-30.012 χ^2/NDF:283935.2/61

All: 579.591+/-21.295 χ^2/NDF: 501464.6/116

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 182.461+/-0.029 χ^2/NDF: 924382.2/31

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 179.897+/-0.028 χ^2/NDF: 1497173.0/36

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

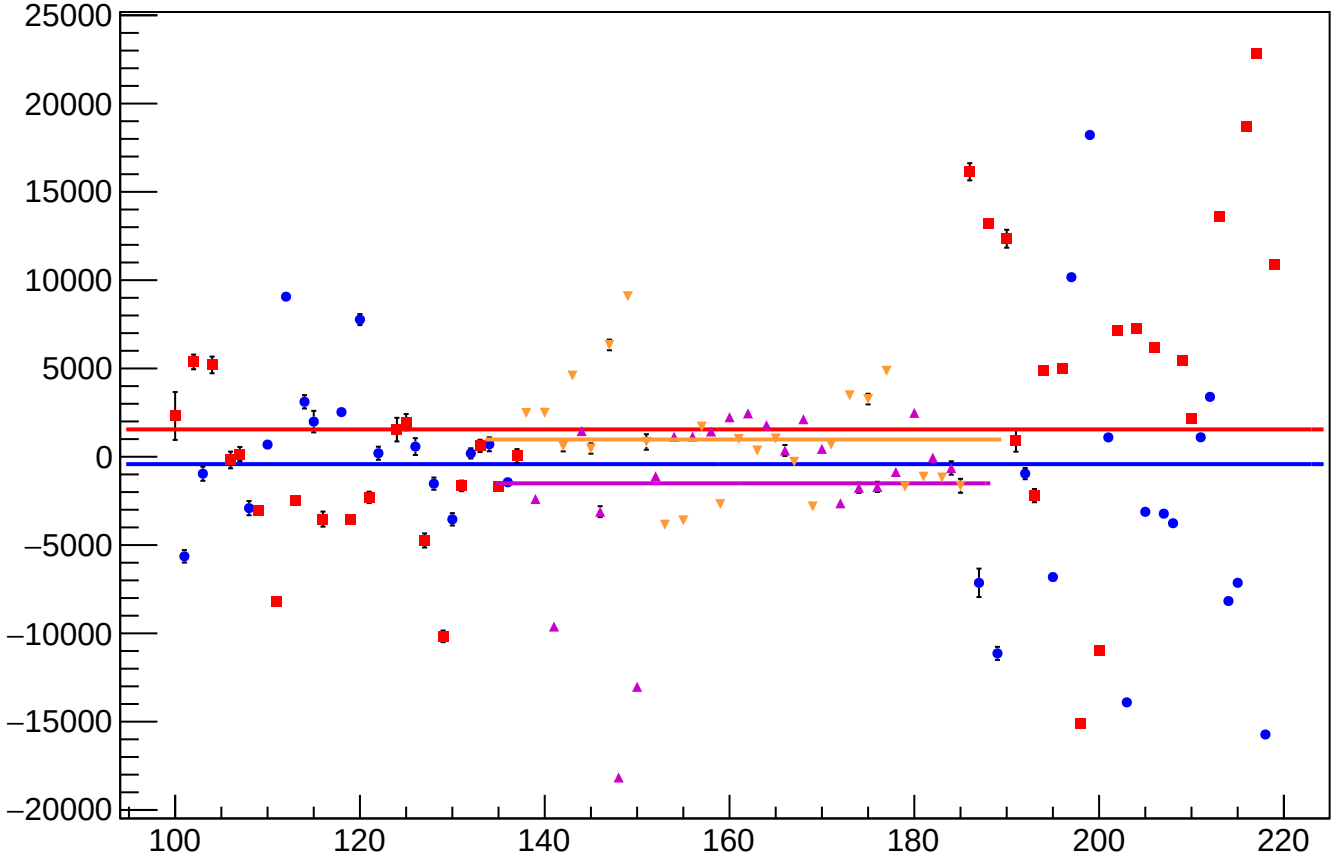
Right: 181.128+/-0.020 χ^2/NDF: 2425539.3/68

In: 183.174+/-0.021 χ^2/NDF:1755427.3/54

Out: 187.327+/-0.021 χ^2/NDF:2391302.7/61

All: 185.265+/-0.015 χ^2/NDF: 4165742.8/116

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: -417.460+/-46.465 χ^2/NDF: 26985.5/31

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 1549.058+/-44.720 χ^2/NDF: 36556.9/36

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

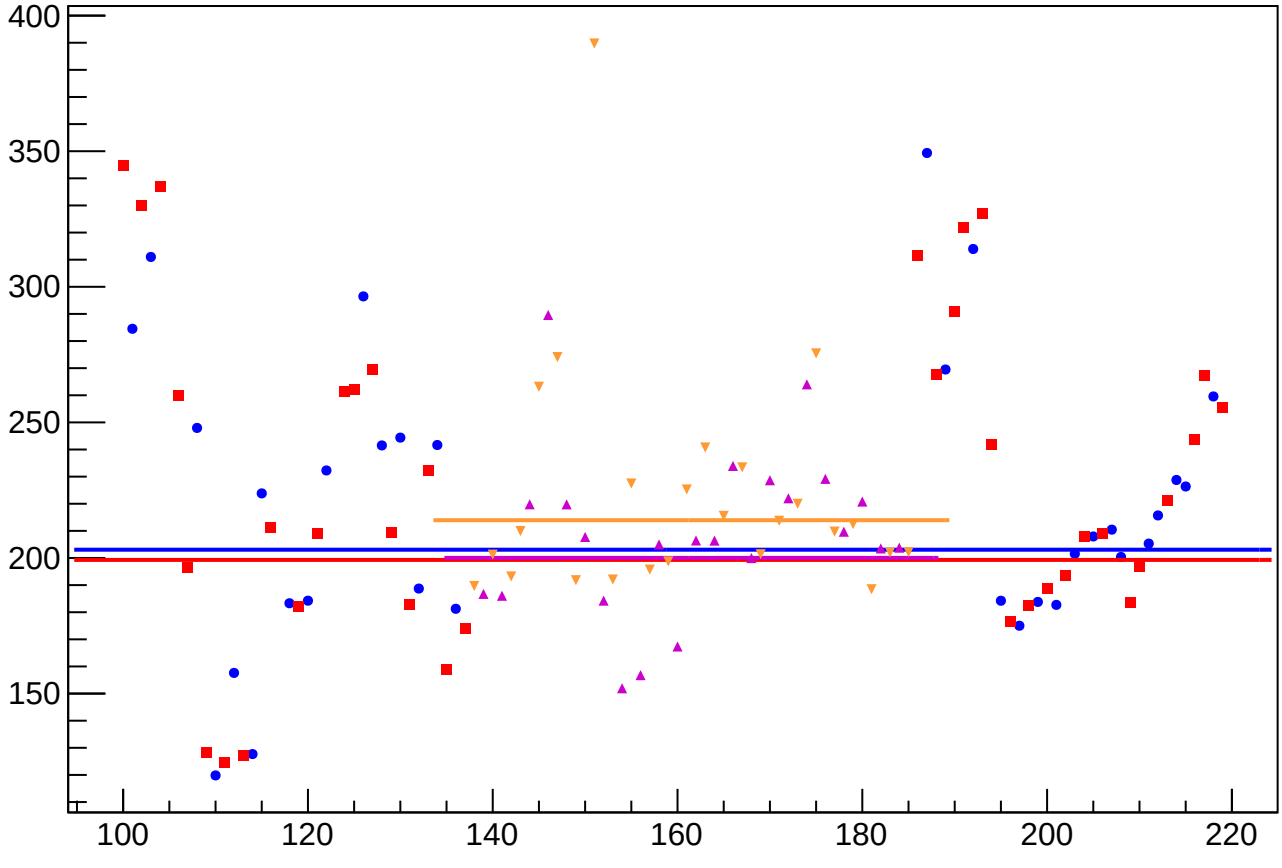
Right: 603.429+/-32.221 χ^2/NDF: 64472.3/68

In: -943.036+/-33.402 χ^2/NDF:38730.9/54

Out: 1293.229+/-33.215 χ^2/NDF:40952.8/61

All: 181.372+/-23.553 χ^2/NDF: 81937.4/116

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 203.056+/-0.033 χ^2/NDF: 1601048.9/31

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 199.290+/-0.032 χ^2/NDF: 2552523.4/36

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

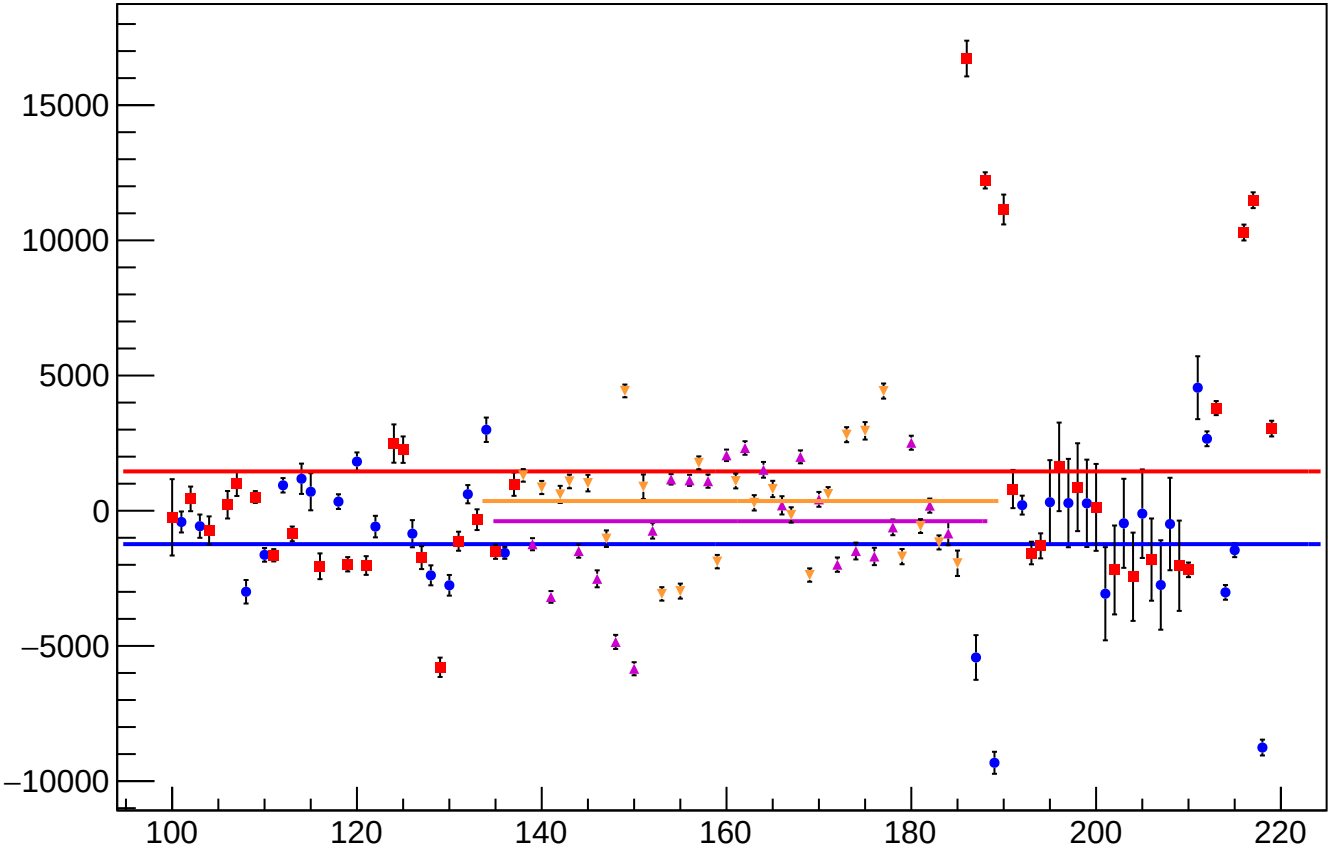
Right: 201.101+/-0.023 χ^2/NDF: 4160394.2/68

In: 201.594+/-0.024 χ^2/NDF:2390671.5/54

Out: 205.854+/-0.023 χ^2/NDF:3382279.4/61

All: 203.736+/-0.017 χ^2/NDF: 5789305.9/116

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -1235.447+/-69.731 χ^2/NDF: 1752.5/31

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 1454.435+/-63.496 χ^2/NDF: 5922.8/36

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

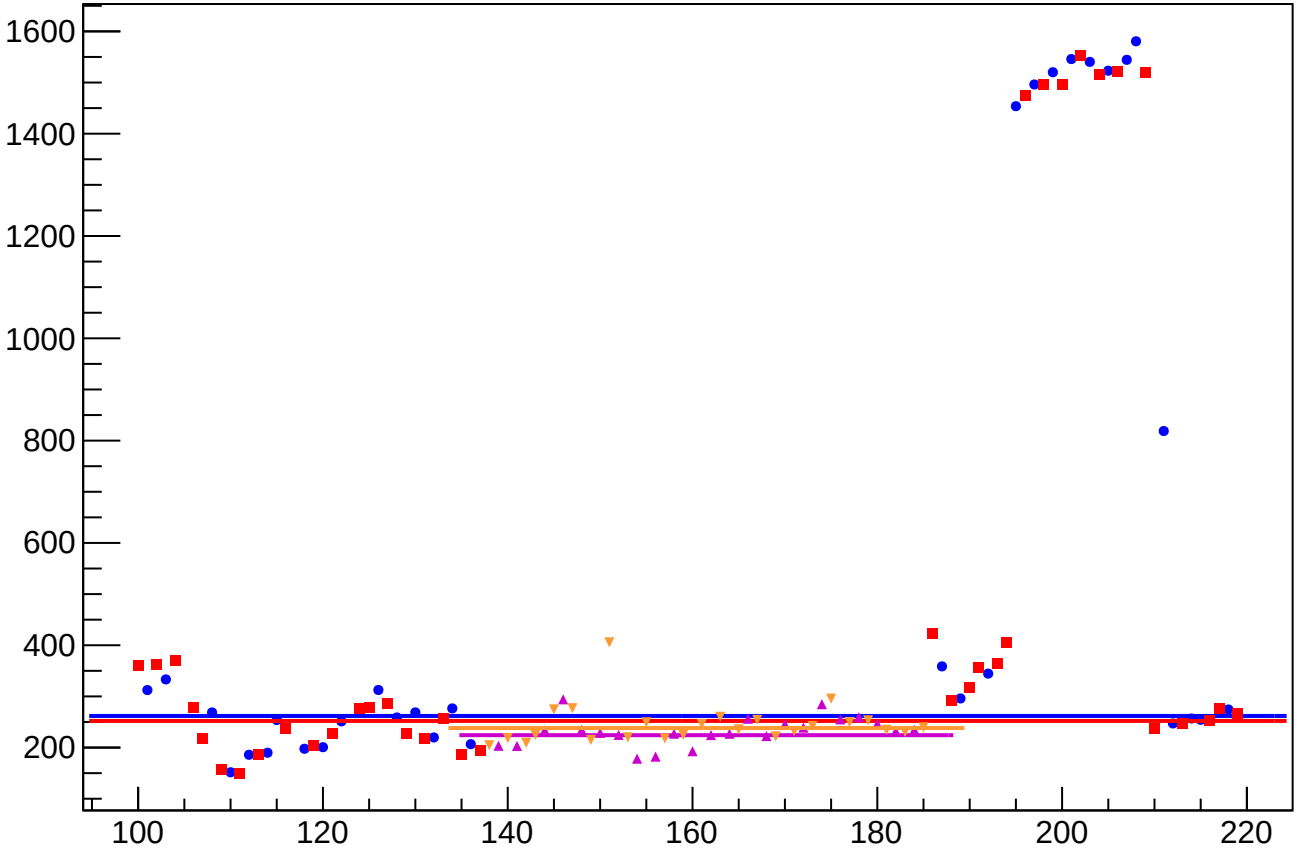
Right: 235.105+/-46.948 χ^2/NDF: 8488.7/68

In: -701.553+/-42.460 χ^2/NDF:3649.8/54

Out: 828.316+/-41.569 χ^2/NDF:7511.8/61

All: 79.611+/-29.704 χ^2/NDF: 11824.4/116

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 261.801+/-0.049 χ^2/NDF: 11065076.7/31

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 252.105+/-0.045 χ^2/NDF: 10550978.6/36

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

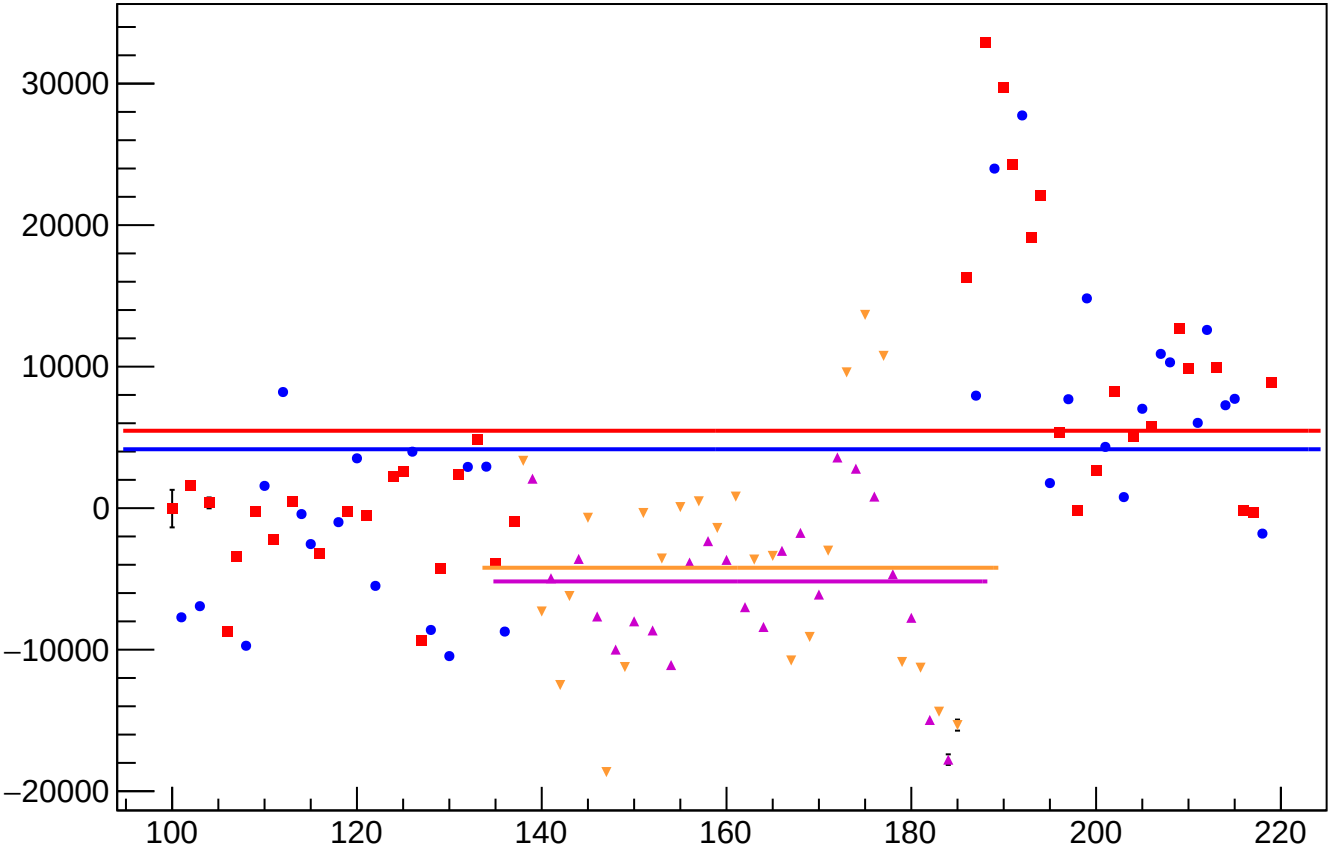
Right: 256.500+/-0.033 χ^2/NDF: 21637193.8/68

In: 238.149+/-0.030 χ^2/NDF:11993988.3/54

Out: 244.159+/-0.029 χ^2/NDF:11173728.0/61

All: 241.218+/-0.021 χ^2/NDF: 23188176.3/11

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 4162.195+/-32.329 χ^2/NDF: 82834.5/31

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5469.697+/-30.831 χ^2/NDF: 107507.6/36

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

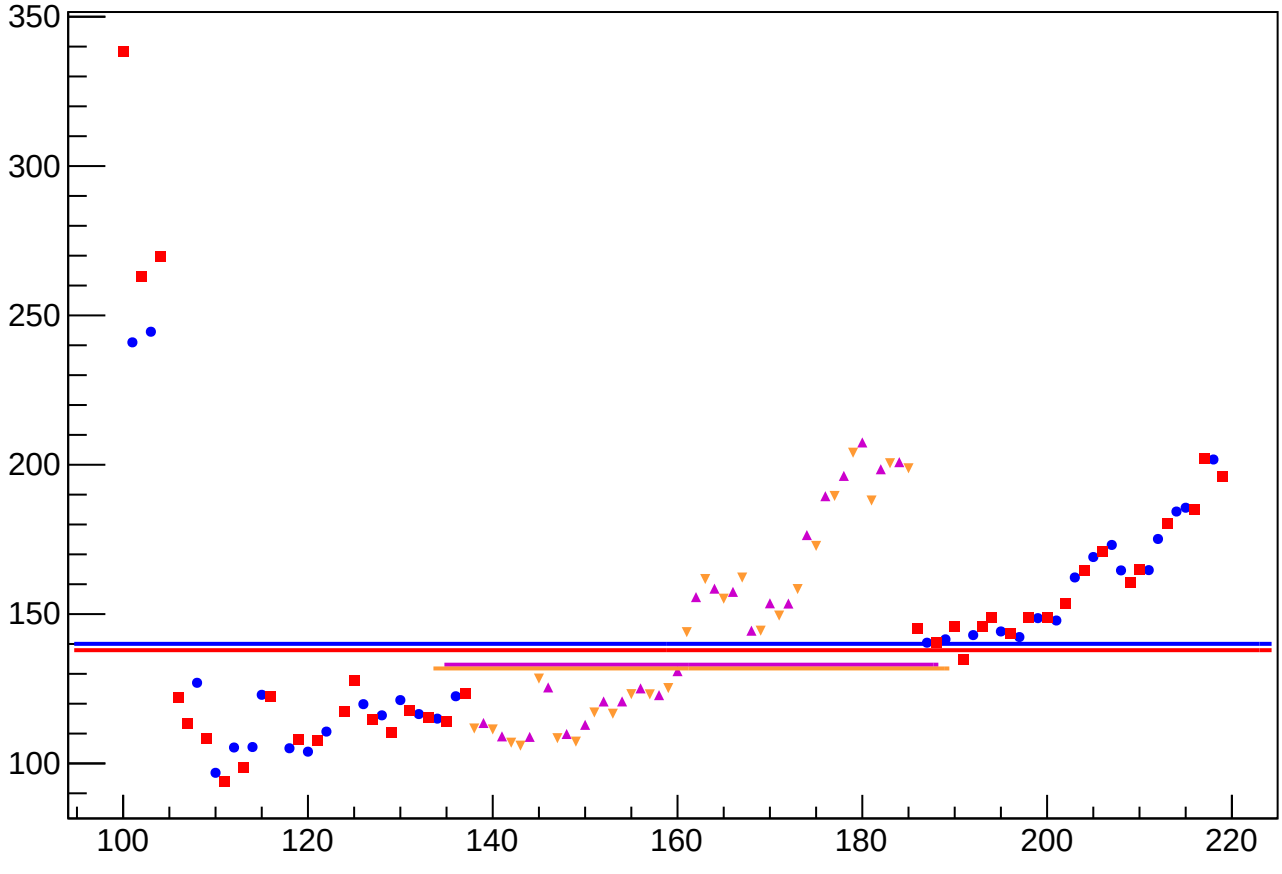
Right: 4846.944+/-22.312 χ^2/NDF: 191198.7/68

In: -560.289+/-22.732 χ^2/NDF:143579.0/54

Out: 629.125+/-21.800 χ^2/NDF:213606.3/61

All: 59.302+/-15.734 χ^2/NDF: 358611.4/116

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 140.042+/-0.023 χ^2/NDF: 1834750.7/31

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 137.919+/-0.022 χ^2/NDF: 2137321.3/36

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

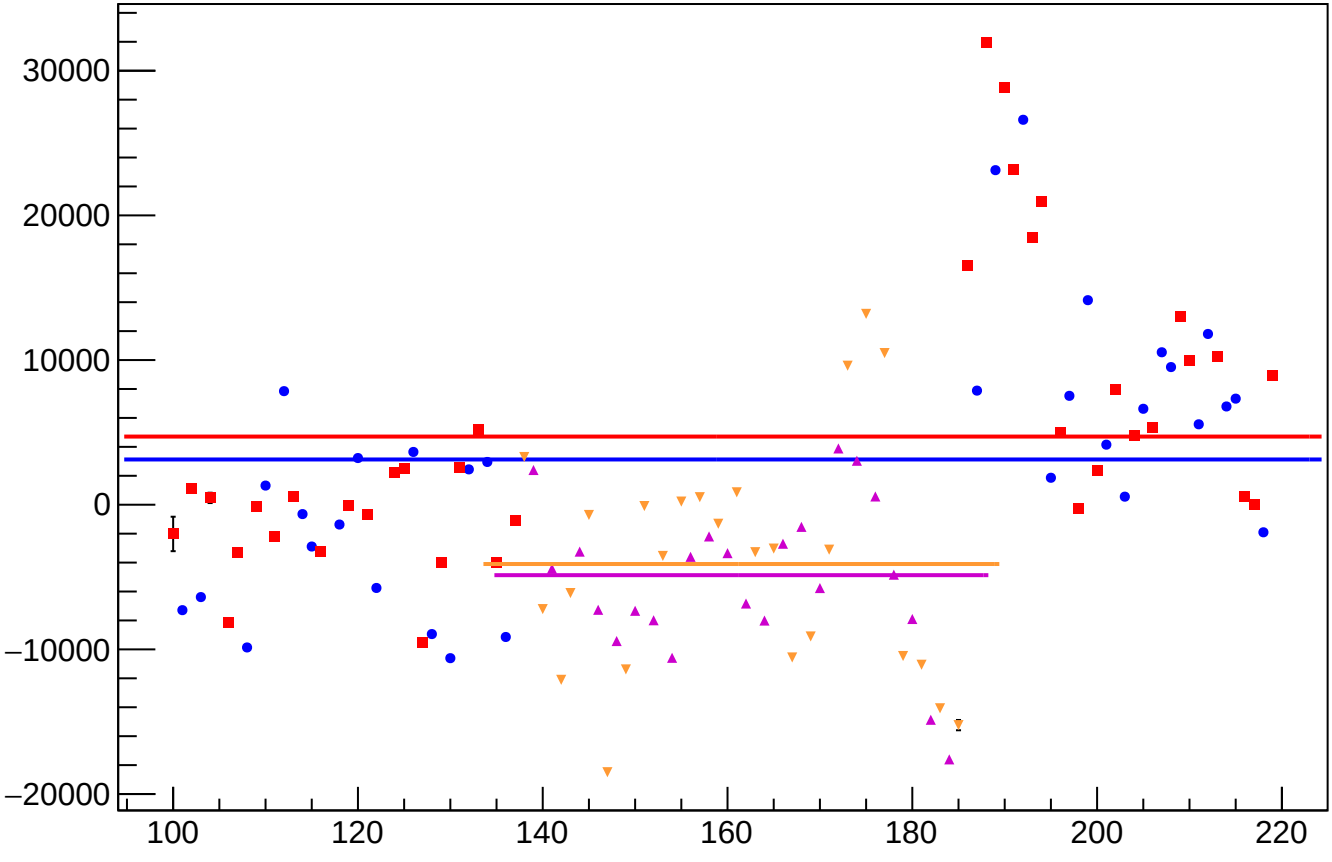
Right: 138.930+/-0.016 χ^2/NDF: 3976589.9/68

In: 136.513+/-0.016 χ^2/NDF:3300151.9/54

Out: 134.858+/-0.015 χ^2/NDF:3721086.6/61

All: 135.651+/-0.011 χ^2/NDF: 7026758.7/116

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 3127.830+/-29.780 χ^2/NDF: 91078.3/31

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 4710.953+/-28.530 χ^2/NDF: 114400.1/36

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

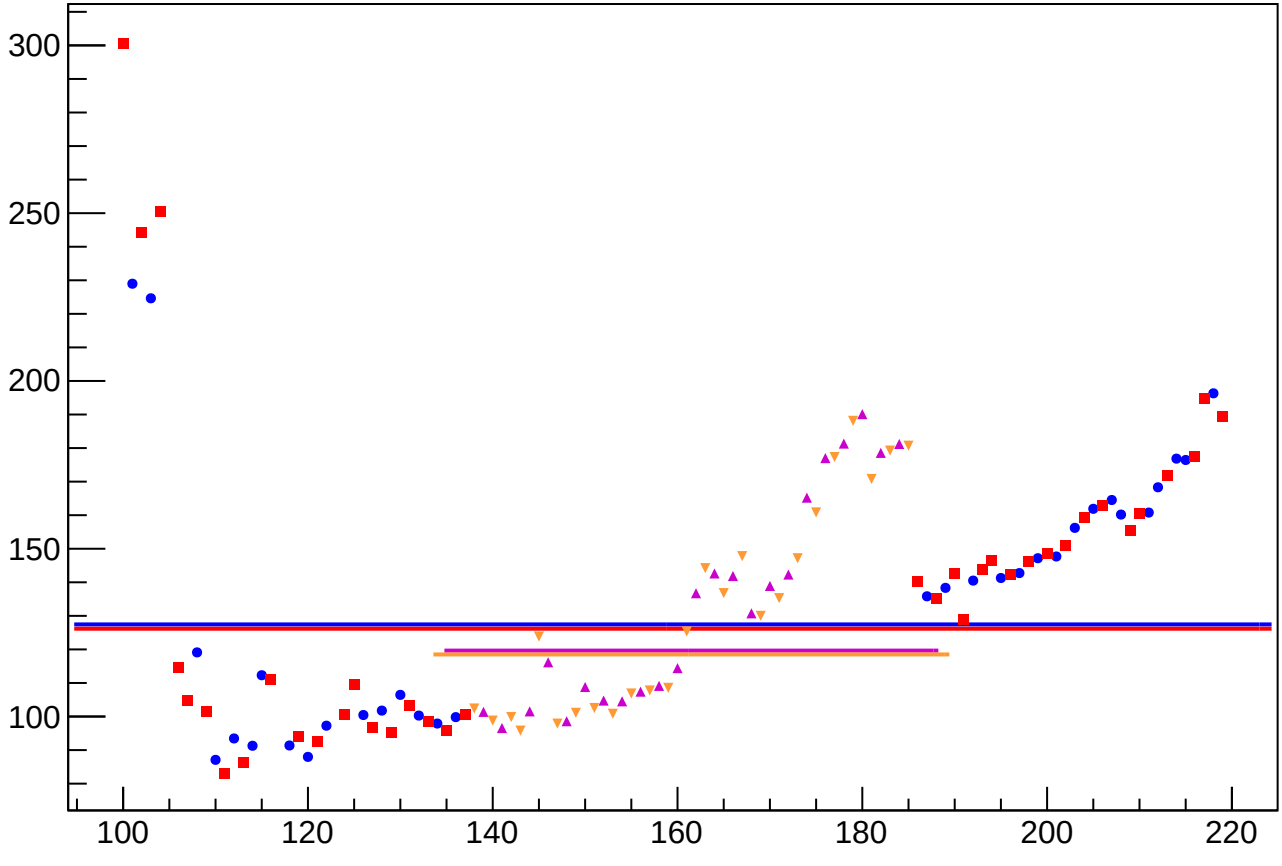
Right: 3953.318+/-20.601 χ^2/NDF: 206952.0/68

In: -1003.458+/-20.706 χ^2/NDF:150248.3/54

Out: 187.411+/-19.900 χ^2/NDF:229633.1/61

All: -384.405+/-14.348 χ^2/NDF: 381600.9/11

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 127.450+/-0.021 χ^2/NDF: 2647626.1/31

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 126.171+/-0.020 χ^2/NDF: 2940508.4/36

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

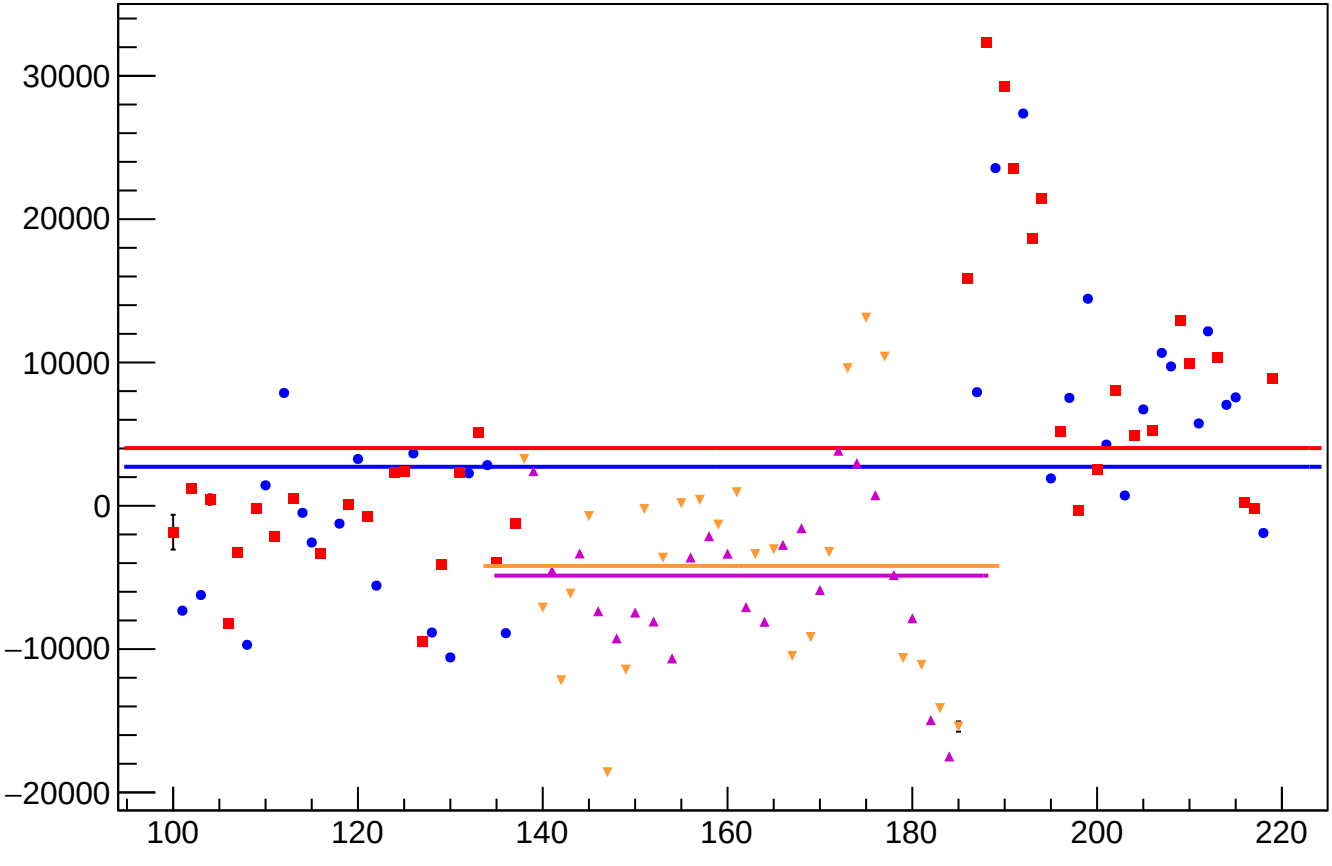
Right: 126.783+/-0.015 χ^2/NDF: 5590059.2/68

In: 123.418+/-0.015 χ^2/NDF:4230979.3/54

Out: 122.233+/-0.014 χ^2/NDF:4641852.6/61

All: 122.802+/-0.010 χ^2/NDF: 8876238.3/116

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 2721.283+/-29.715 χ^2/NDF: 90248.7/31

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: 4027.401+/-28.468 χ^2/NDF: 107978.9/36

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

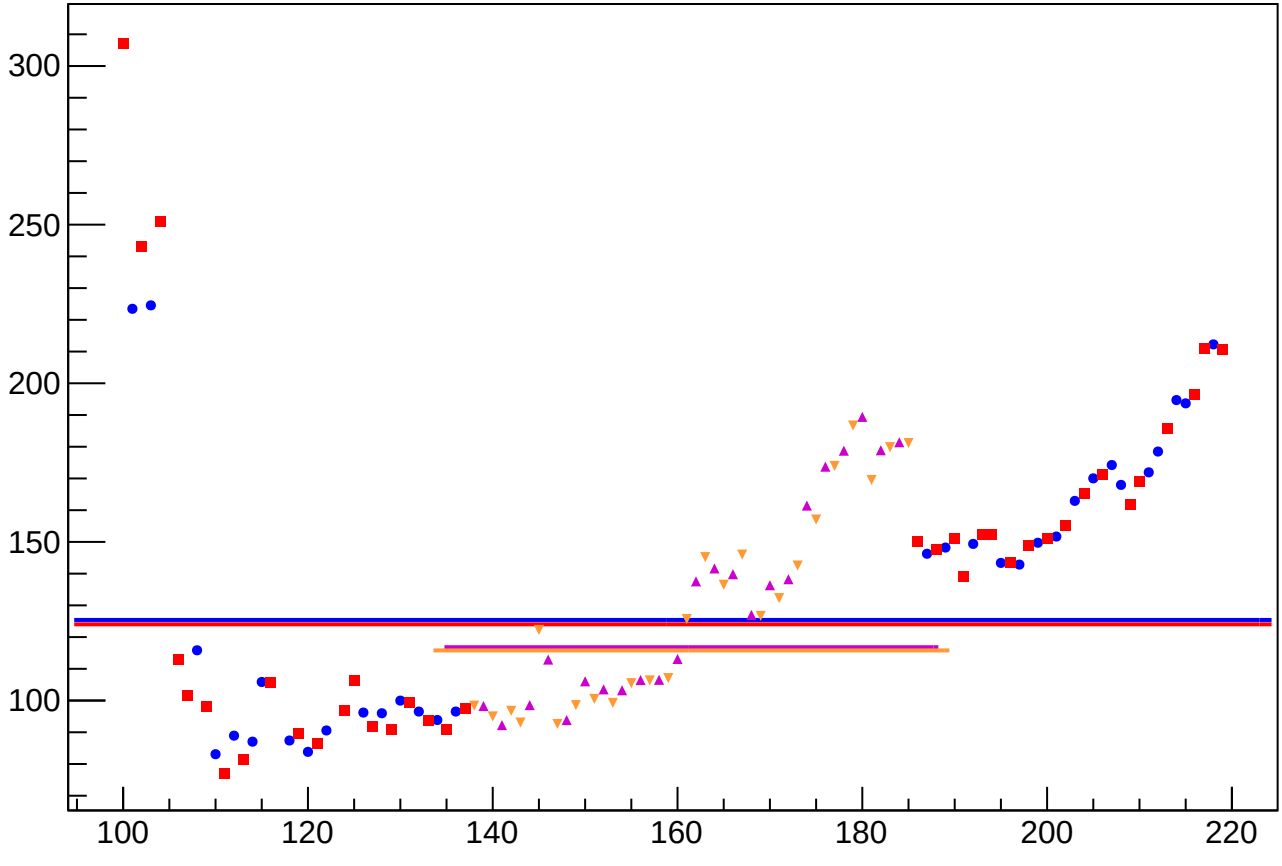
Right: 3402.321+/-20.557 χ^2/NDF: 199235.1/68

In: -1274.408+/-20.455 χ^2/NDF:147538.9/54

Out: -270.650+/-19.670 χ^2/NDF:222013.9/61

All: -752.904+/-14.178 χ^2/NDF: 370803.9/11

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 125.408+/-0.021 χ^2/NDF: 3558056.9/31

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 124.028+/-0.020 χ^2/NDF: 3999399.8/36

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

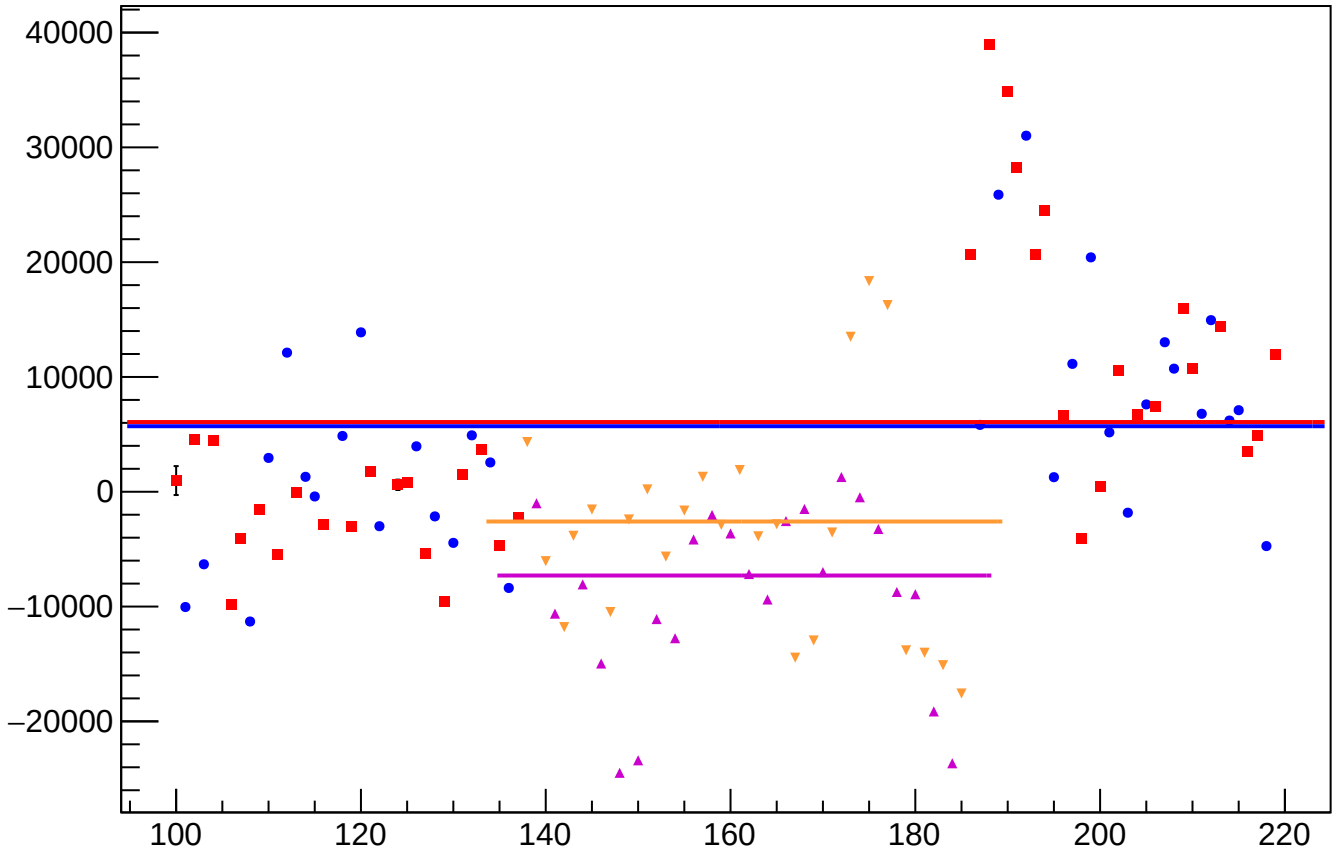
Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

Right: 124.688+/-0.015 χ^2/NDF: 7559704.6/68

In: 120.883+/-0.014 χ^2/NDF:5263822.4/54

Out: 119.727+/-0.014 χ^2/NDF:5835769.1/61

All: 120.283+/-0.010 χ^2/NDF: 11102910.7/11



Right In: 5709.562+/-38.741 χ^2/NDF: 67603.3/31

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: 6074.216+/-37.271 χ^2/NDF: 102112.8/36

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

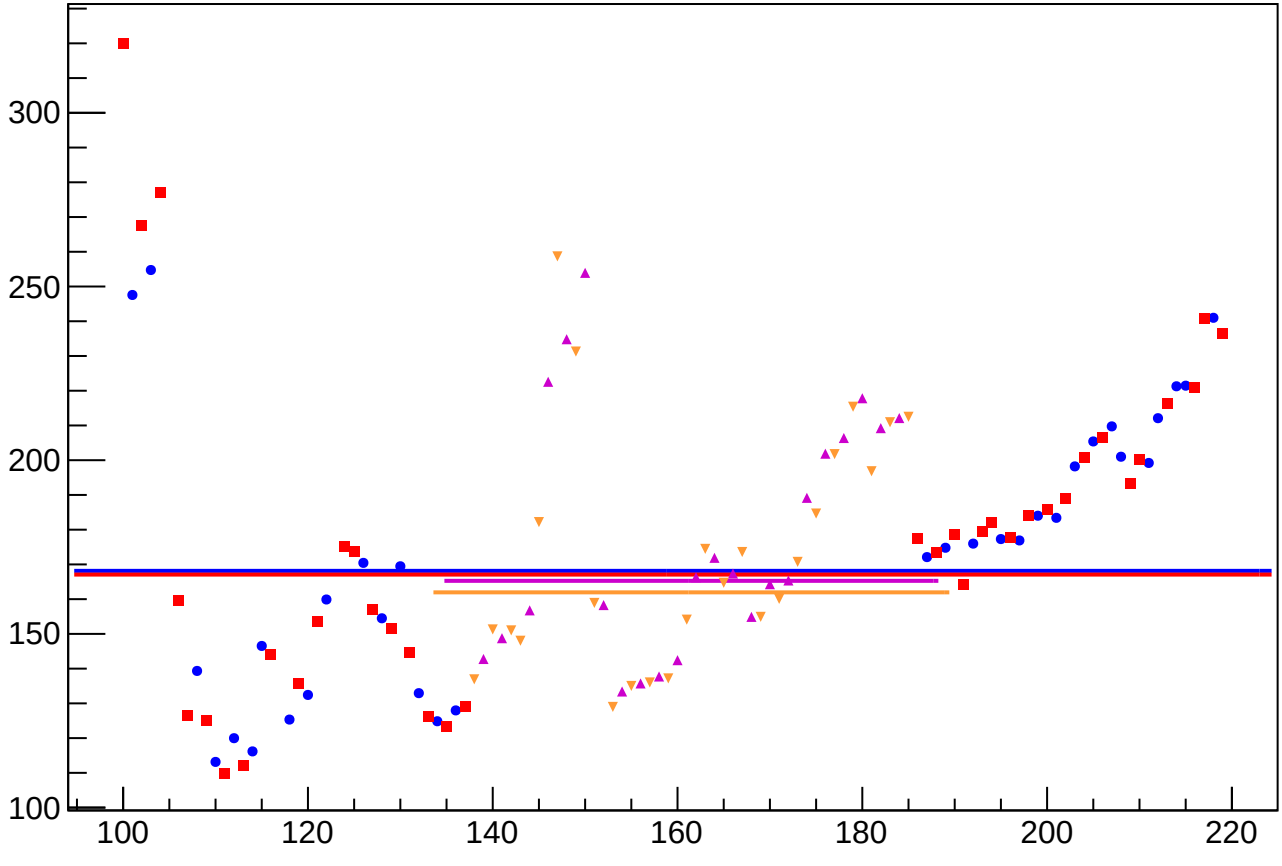
Right: 5898.940+/-26.859 χ^2/NDF: 169762.1/68

In: -654.727+/-27.684 χ^2/NDF:147496.4/54

Out: 1784.511+/-26.485 χ^2/NDF:176867.8/61

All: 618.870+/-19.138 χ^2/NDF: 328417.6/116

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 168.147+/-0.027 χ^2/NDF: 1906139.1/31

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 167.075+/-0.026 χ^2/NDF: 2122129.3/36

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

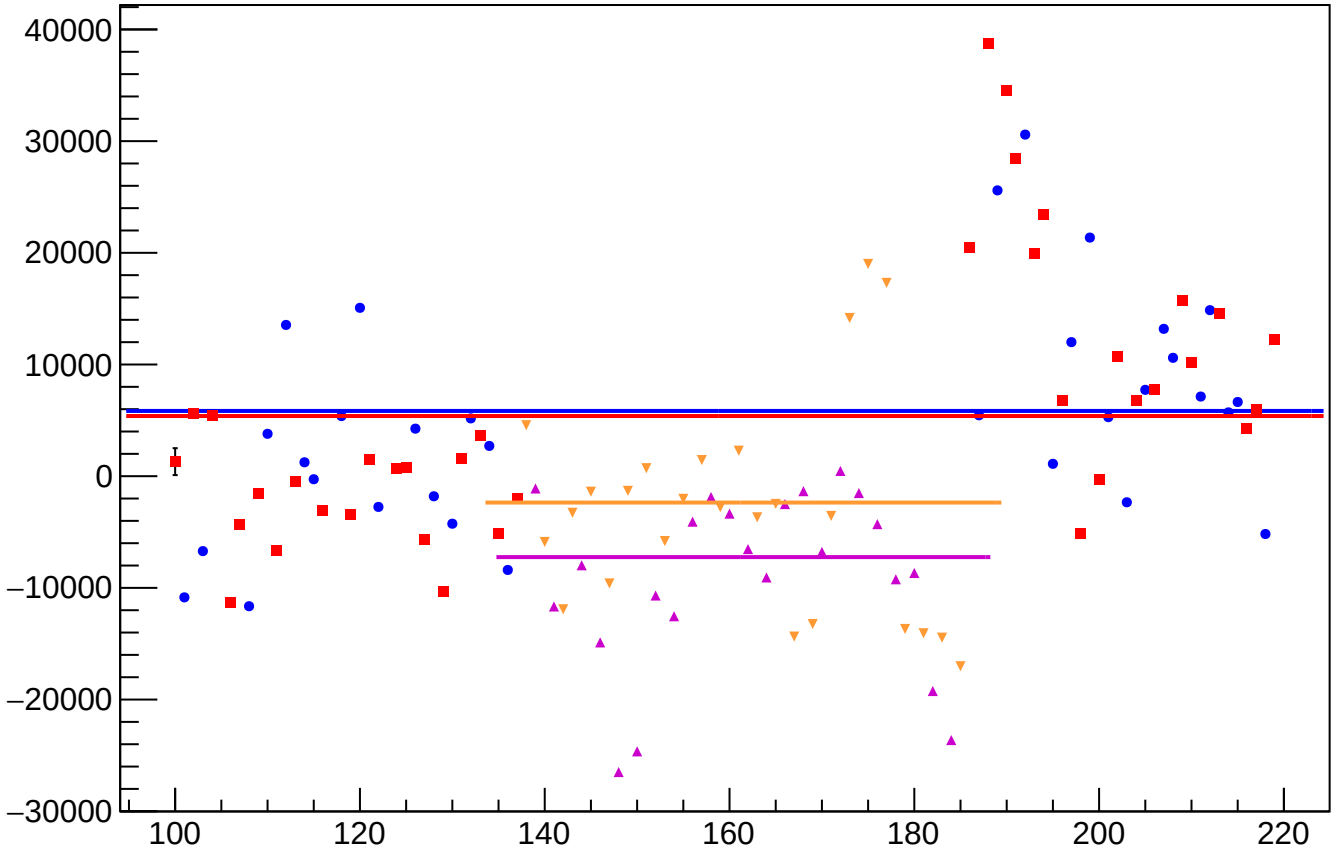
Right: 167.590+/-0.019 χ^2/NDF: 4029064.2/68

In: 166.740+/-0.020 χ^2/NDF:3090617.8/54

Out: 164.541+/-0.019 χ^2/NDF:3285604.5/61

All: 165.592+/-0.014 χ^2/NDF: 6382811.7/116

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 5842.817+/-33.076 χ^2/NDF: 93984.1/31

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 5386.988+/-31.655 χ^2/NDF: 142463.5/36

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

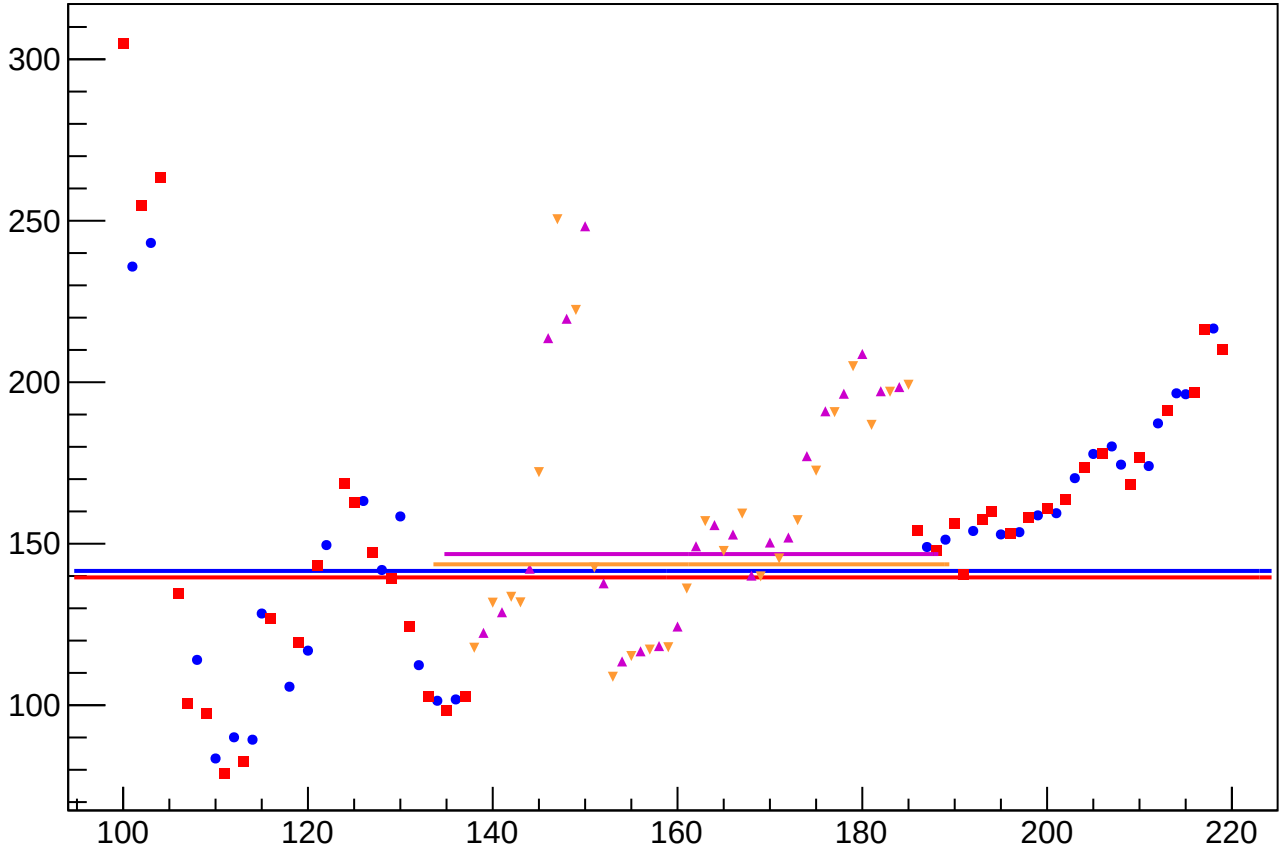
Right: 5604.903+/-22.869 χ^2/NDF: 236546.8/68

In: -237.601+/-24.202 χ^2/NDF:197171.2/54

Out: 1753.005+/-23.066 χ^2/NDF:229127.3/61

All: 805.507+/-16.697 χ^2/NDF: 429843.4/116

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 141.576+/-0.023 χ^2/NDF: 2763464.1/31

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 139.569+/-0.022 χ^2/NDF: 3218417.0/36

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

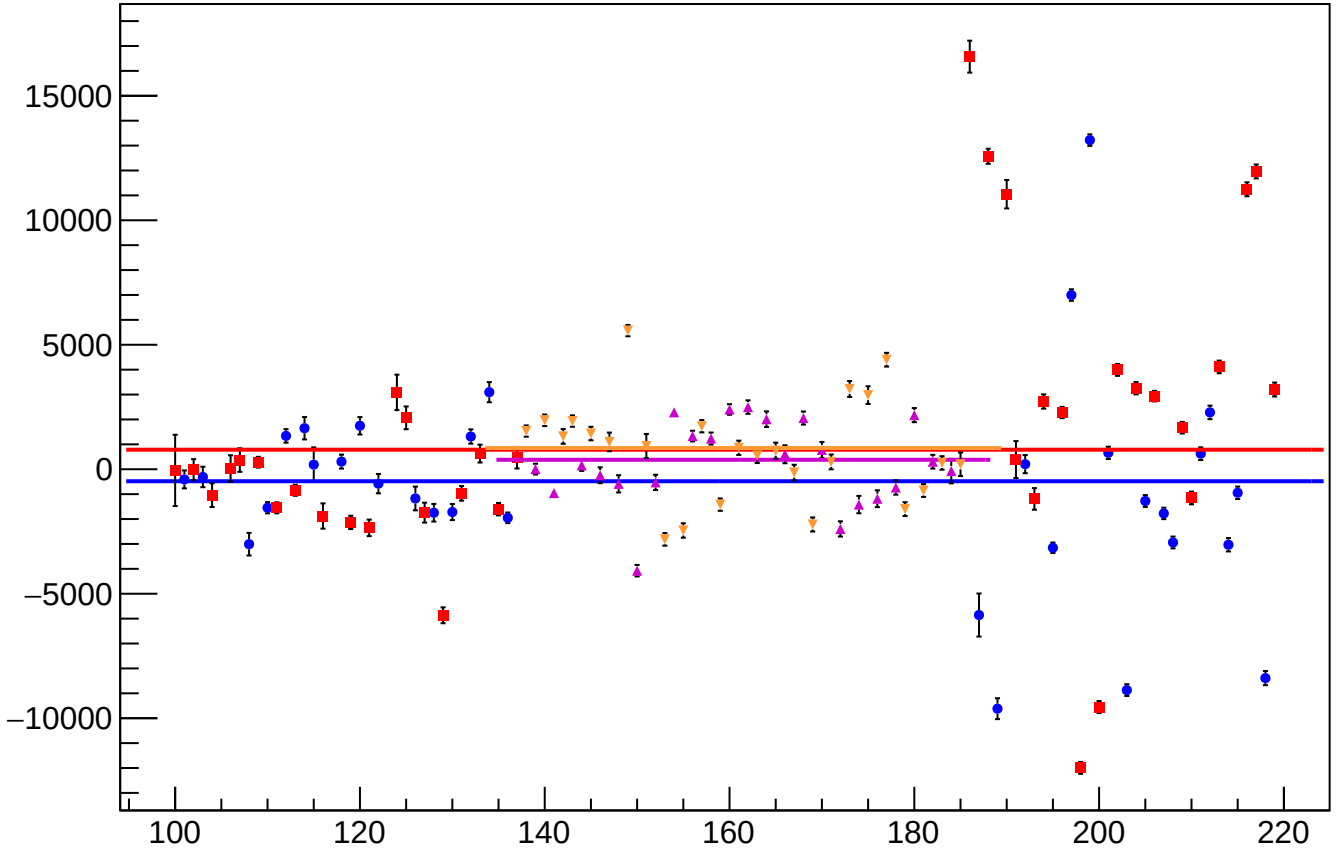
Right: 140.528+/-0.016 χ^2/NDF: 5985724.6/68

In: 144.000+/-0.017 χ^2/NDF:4481111.7/54

Out: 141.470+/-0.016 χ^2/NDF:4896625.6/61

All: 142.674+/-0.012 χ^2/NDF: 9389188.4/116

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -481.393+/-51.119 χ^2/NDF: 8014.3/31

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 784.528+/-49.658 χ^2/NDF: 12071.3/36

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

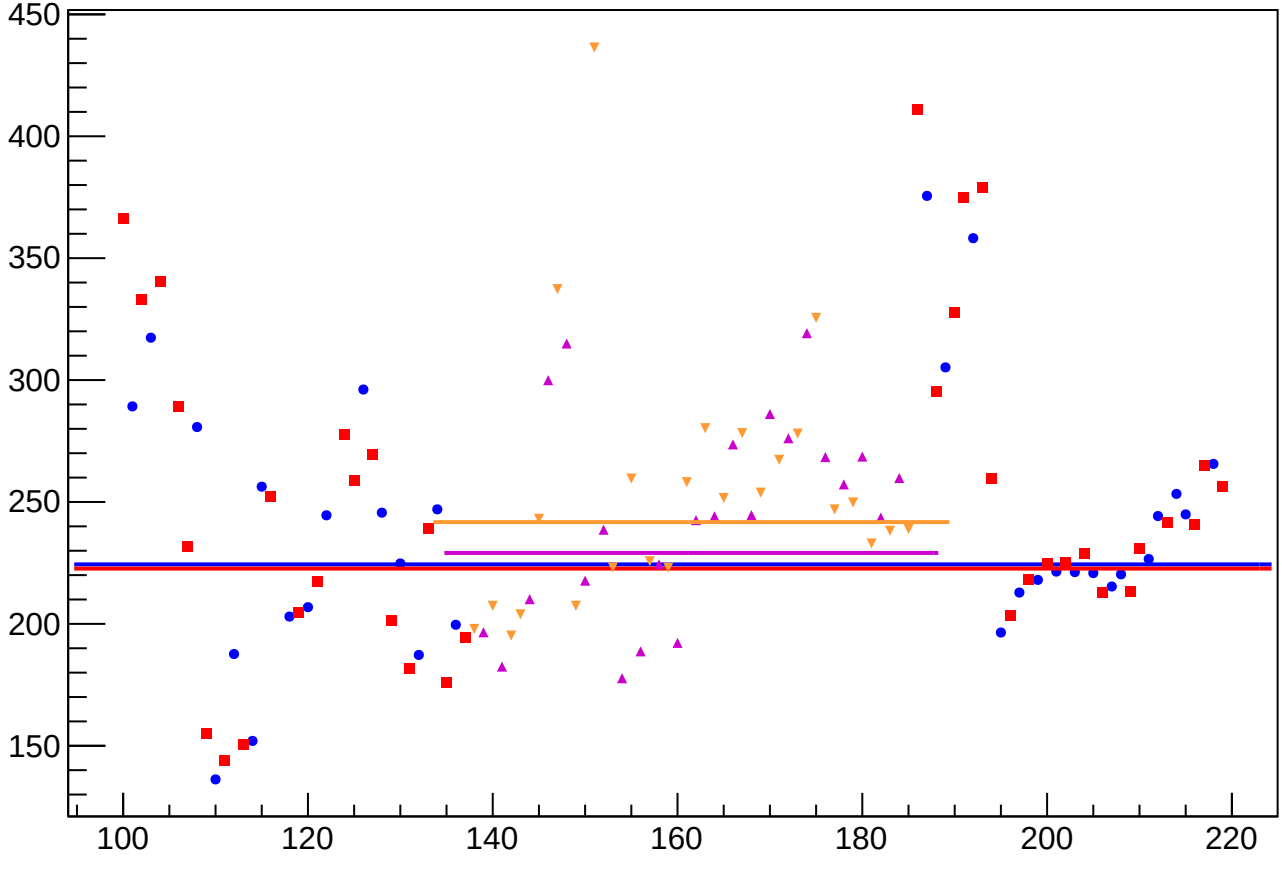
Right: 169.912+/-35.619 χ^2/NDF: 20401.2/68

In: -82.810+/-37.486 χ^2/NDF:9128.3/54

Out: 814.928+/-37.223 χ^2/NDF:13516.0/61

All: 369.218+/-26.413 χ^2/NDF: 22933.1/116

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 224.393+/-0.036 χ^2/NDF: 1276958.3/31

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 222.684+/-0.035 χ^2/NDF: 2022289.9/36

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

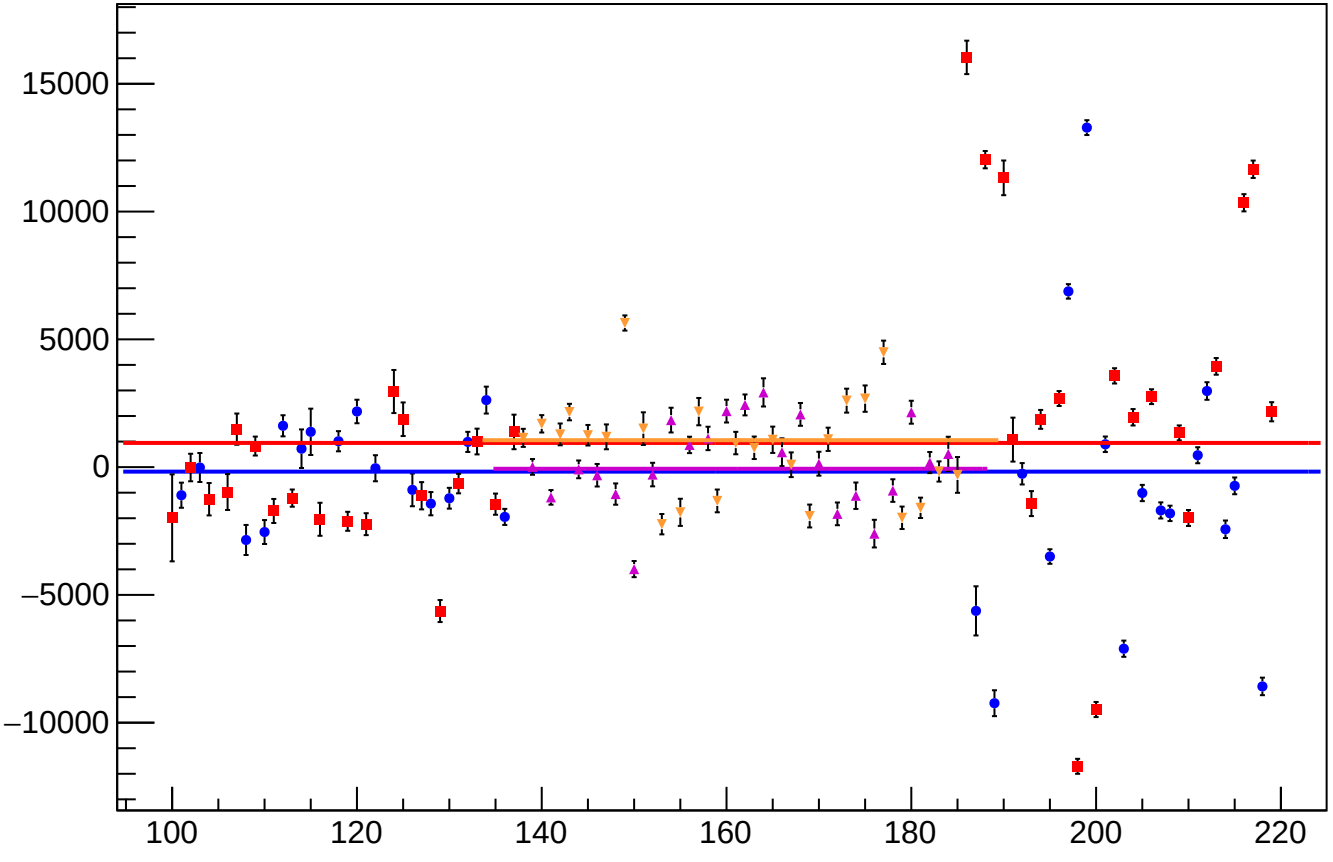
Right: 223.514+/-0.025 χ^2/NDF: 3300397.5/68

In: 226.570+/-0.027 χ^2/NDF:2353769.9/54

Out: 231.035+/-0.026 χ^2/NDF:3137790.5/61

All: 228.819+/-0.019 χ^2/NDF: 5505849.7/116

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -176.527+/-68.060 χ^2/NDF: 4727.9/31

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 946.621+/-66.286 χ^2/NDF: 7635.2/36

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

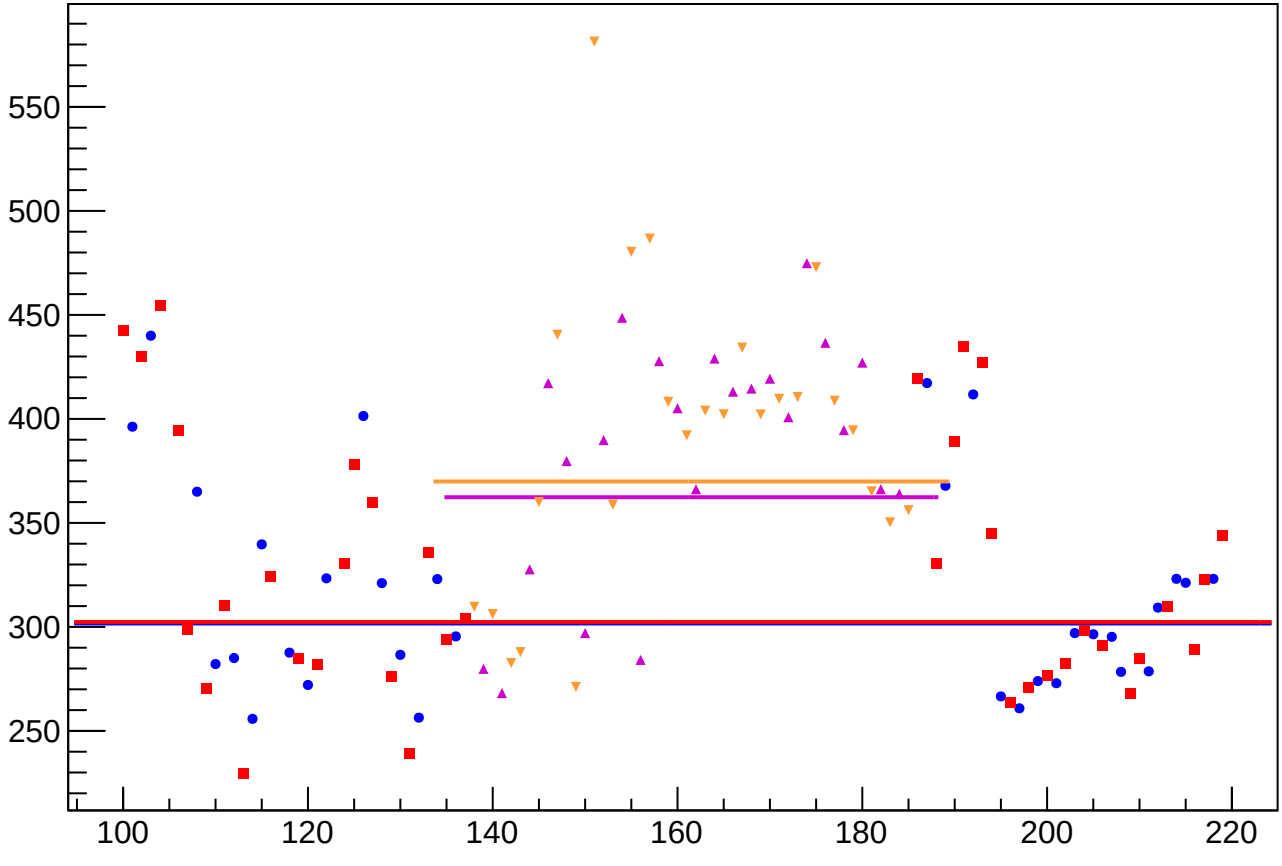
Right: 399.877+/-47.486 χ^2/NDF: 12502.8/68

In: -133.845+/-53.526 χ^2/NDF:5123.3/54

Out: 986.459+/-52.477 χ^2/NDF:8250.8/61

All: 437.390+/-37.472 χ^2/NDF: 13597.5/116

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 301.647+/-0.048 χ^2/NDF: 690747.0/31

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 302.340+/-0.047 χ^2/NDF: 990558.4/36

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

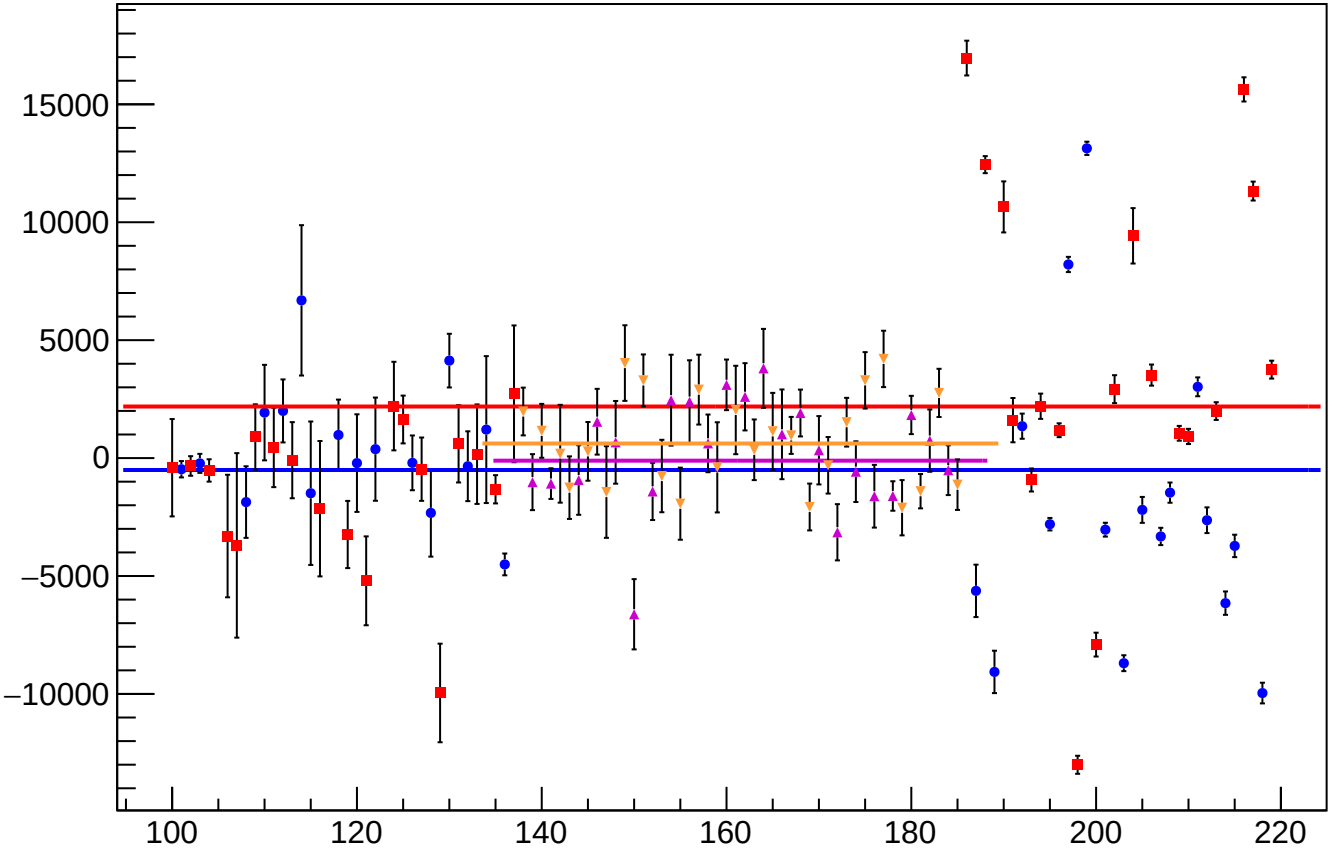
Right: 302.002+/-0.034 χ^2/NDF: 1681411.8/68

In: 324.802+/-0.038 χ^2/NDF:2350922.7/54

Out: 327.565+/-0.037 χ^2/NDF:2996879.4/61

All: 326.211+/-0.026 χ^2/NDF: 5350520.7/116

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -505.141+/-89.146 χ^2/NDF: 4859.1/31

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 2186.943+/-94.357 χ^2/NDF: 4786.9/36

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

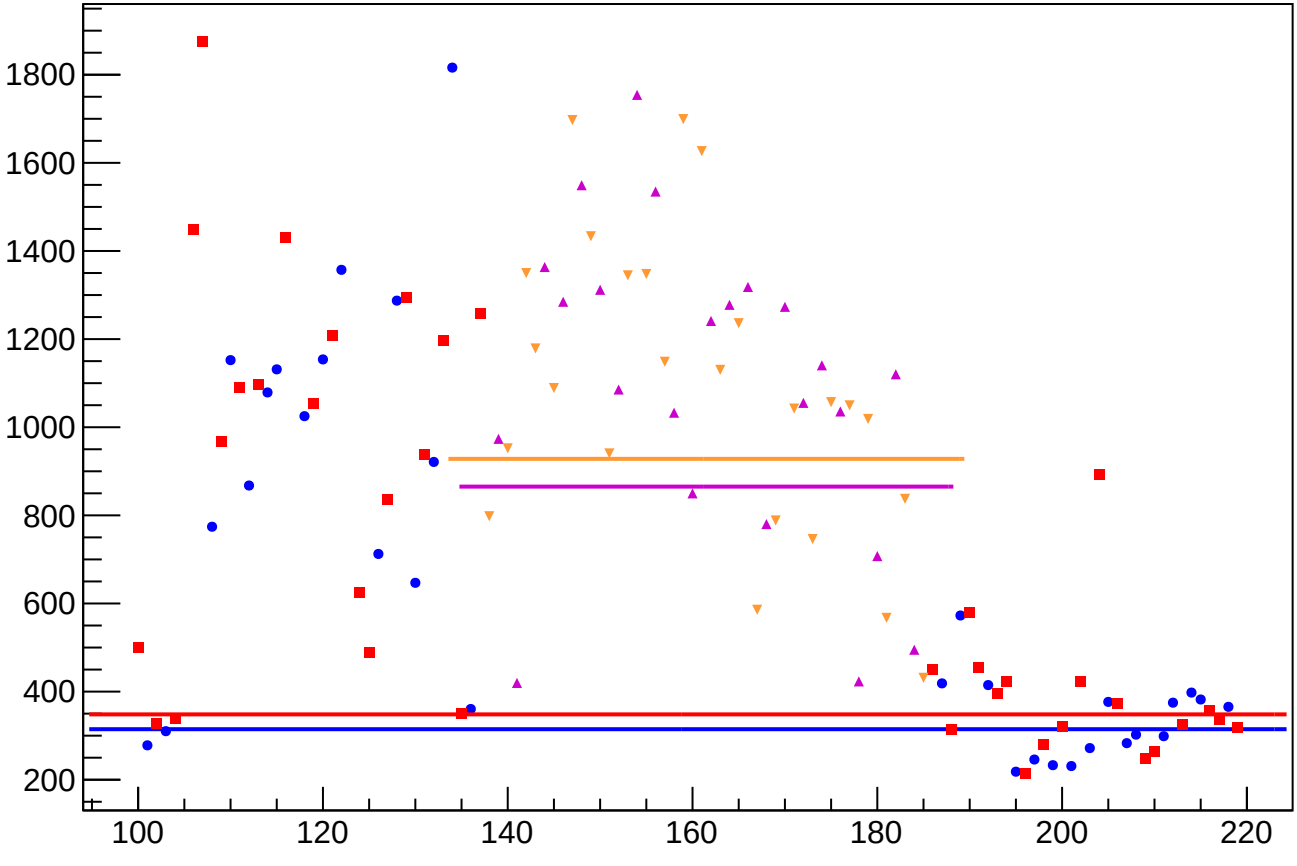
Right: 764.515+/-64.800 χ^2/NDF: 10076.1/68

In: -456.403+/-83.474 χ^2/NDF:4933.2/54

Out: 1974.140+/-87.722 χ^2/NDF:4890.1/61

All: 698.596+/-60.471 χ^2/NDF: 10226.2/116

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 314.675+/-0.063 χ^2/NDF: 5322760.6/31

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 348.313+/-0.067 χ^2/NDF: 6177072.5/36

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

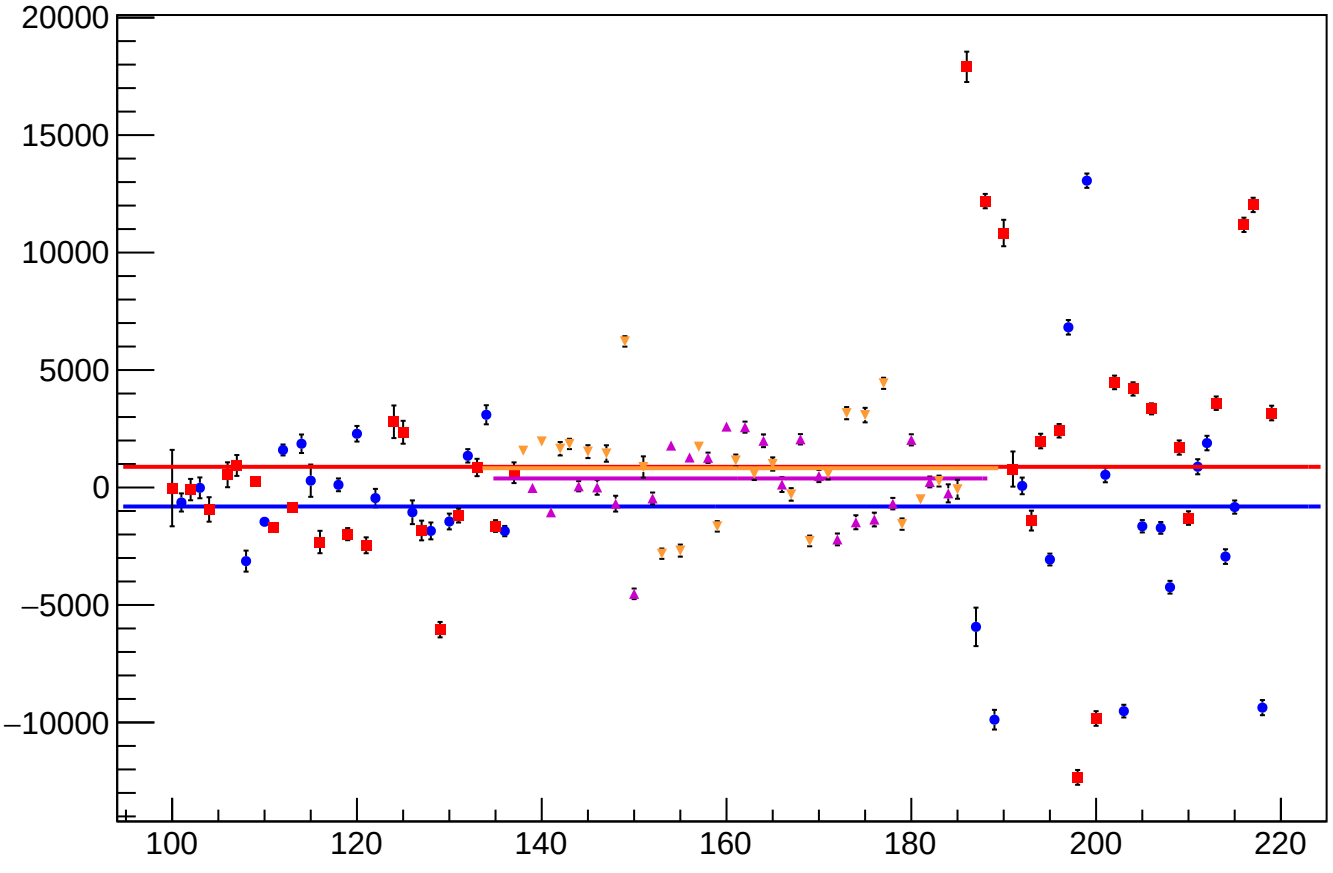
Right: 330.540+/-0.046 χ^2/NDF: 11634140.4/68

In: 382.498+/-0.059 χ^2/NDF:19512704.6/54

Out: 426.999+/-0.062 χ^2/NDF:19722368.1/61

All: 403.645+/-0.043 χ^2/NDF: 39505174.3/11

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -808.521+/-55.141 χ^2/NDF: 5840.9/31

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 880.683+/-52.477 χ^2/NDF: 9659.9/36

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

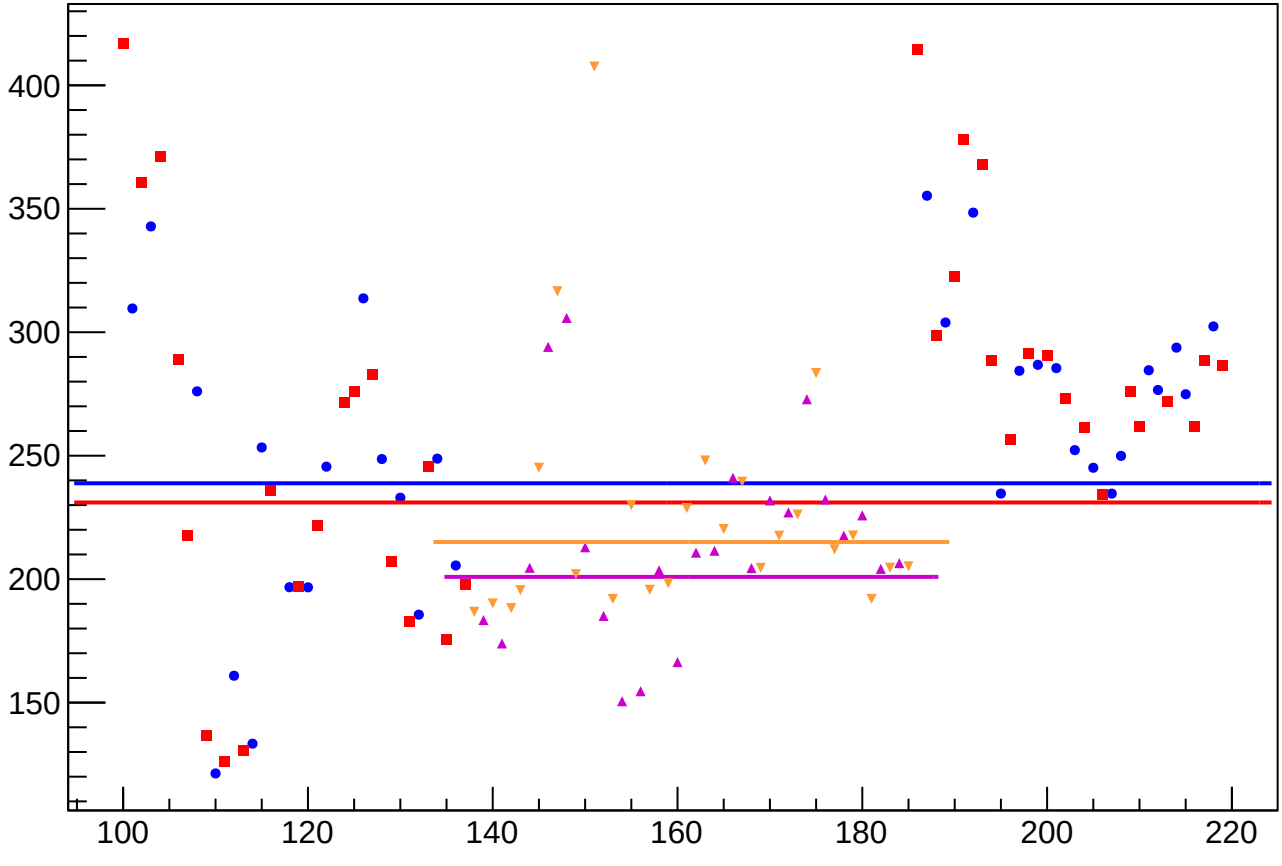
Right: 77.867+/-38.014 χ^2/NDF: 15993.2/68

In: -135.046+/-36.398 χ^2/NDF:7358.5/54

Out: 849.304+/-36.198 χ^2/NDF:11651.3/61

All: 359.845+/-25.666 χ^2/NDF: 19377.6/116

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 238.832+/-0.039 χ^2/NDF: 2144671.7/31

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 231.056+/-0.037 χ^2/NDF: 3395371.8/36

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

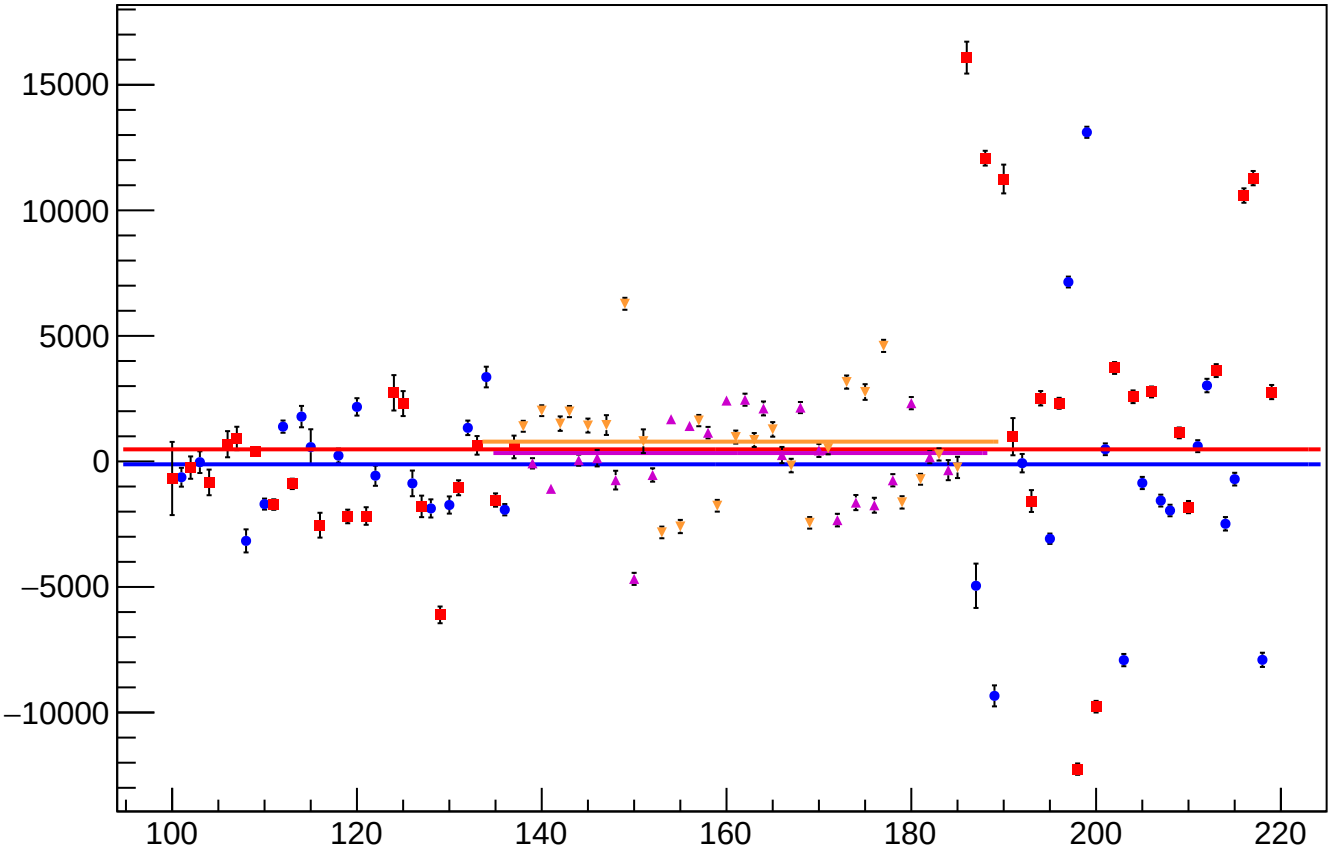
Right: 234.752+/-0.027 χ^2/NDF: 5560915.3/68

In: 217.438+/-0.026 χ^2/NDF:3784094.7/54

Out: 222.654+/-0.026 χ^2/NDF:4390979.0/61

All: 220.060+/-0.018 χ^2/NDF: 8195722.5/116

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -115.319+/-50.722 χ^2/NDF: 7940.4/31

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 480.881+/-49.133 χ^2/NDF: 12017.1/36

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

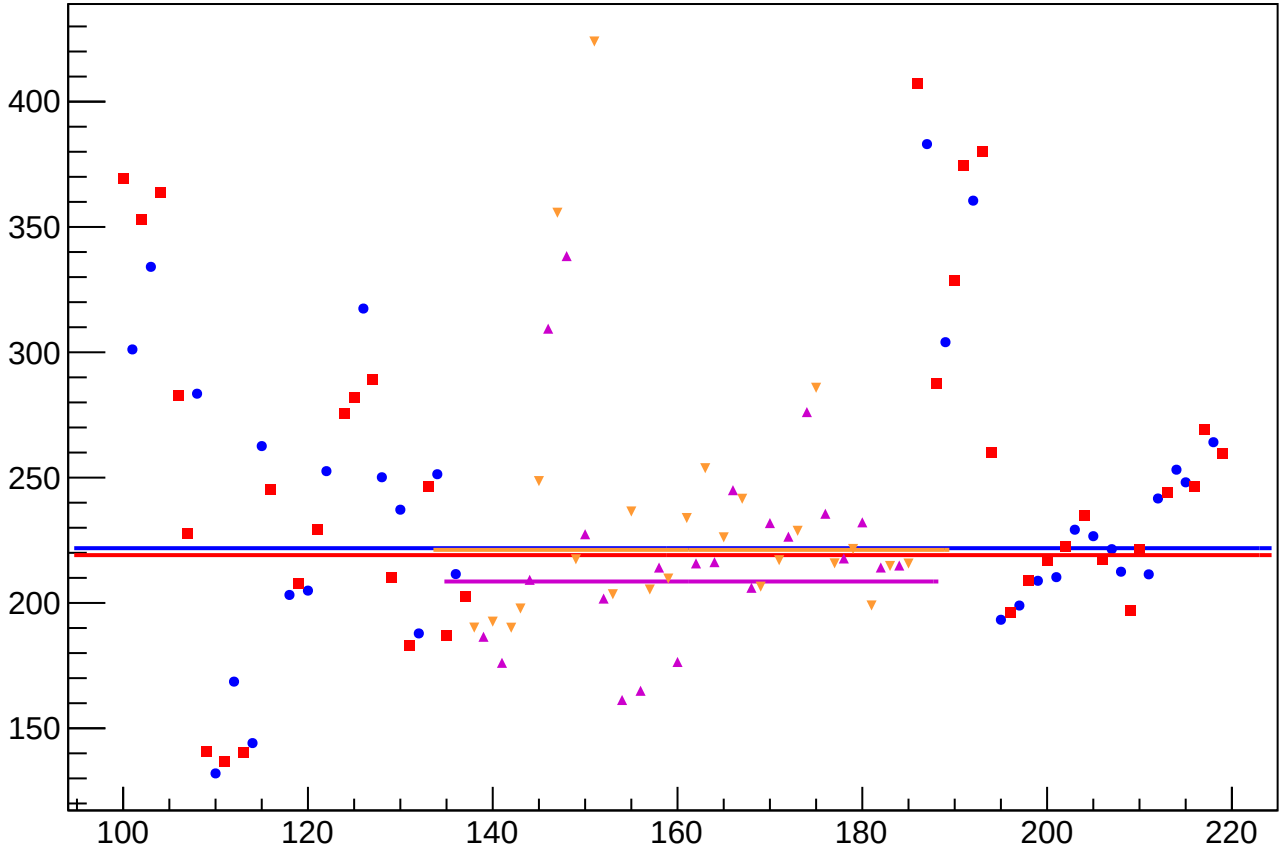
Right: 192.263+/-35.291 χ^2/NDF: 20028.9/68

In: 111.336+/-35.678 χ^2/NDF:9195.2/54

Out: 627.499+/-35.525 χ^2/NDF:13926.0/61

All: 370.527+/-25.174 χ^2/NDF: 23226.3/116

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 221.849+/-0.036 χ^2/NDF: 1533732.8/31

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 219.080+/-0.035 χ^2/NDF: 2438997.4/36

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

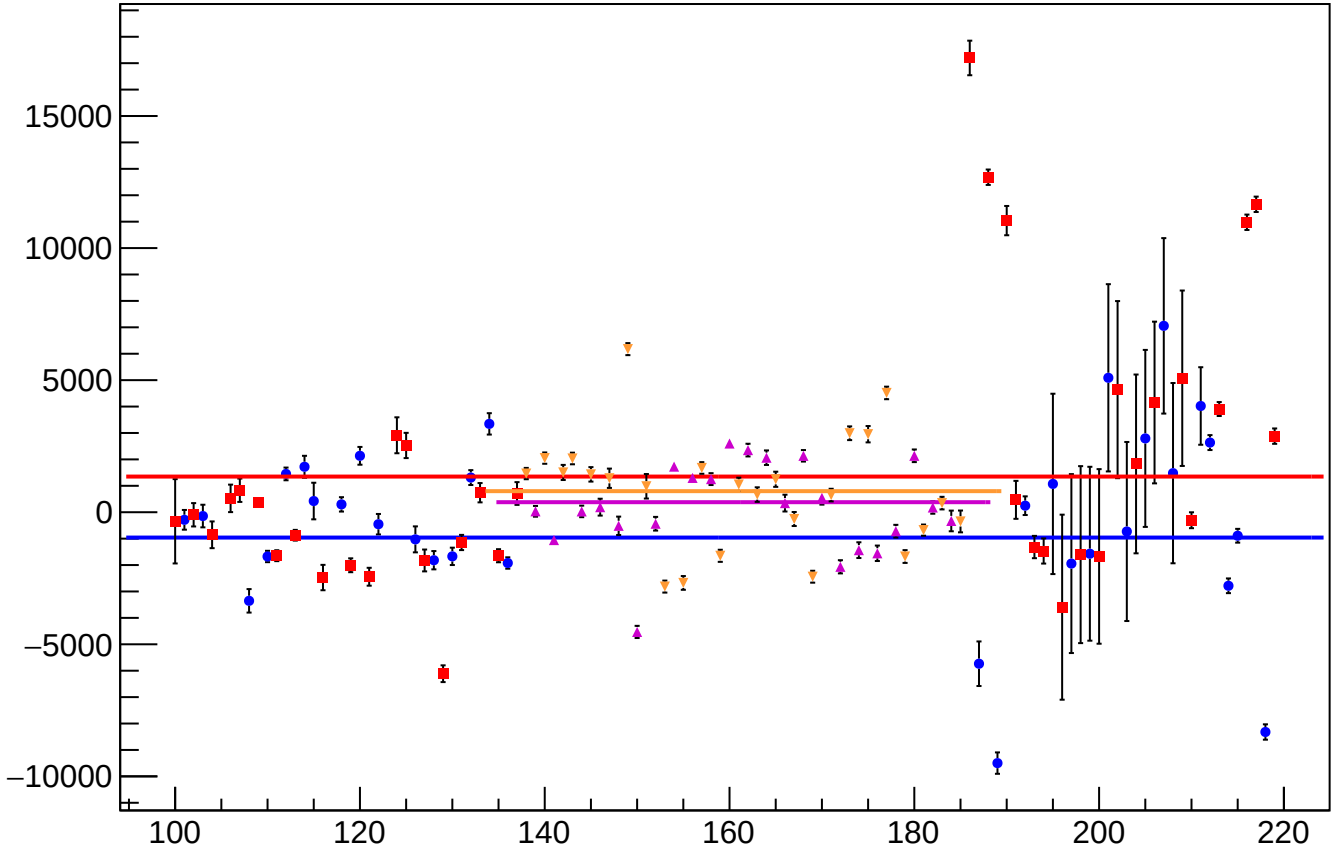
Right: 220.421+/-0.025 χ^2/NDF: 3975806.2/68

In: 215.133+/-0.025 χ^2/NDF:2638775.7/54

Out: 220.085+/-0.025 χ^2/NDF:3380269.7/61

All: 217.620+/-0.018 χ^2/NDF: 6038388.2/116

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -959.474+/-66.821 χ^2/NDF: 1865.8/31

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 1349.854+/-60.133 χ^2/NDF: 6575.0/36

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

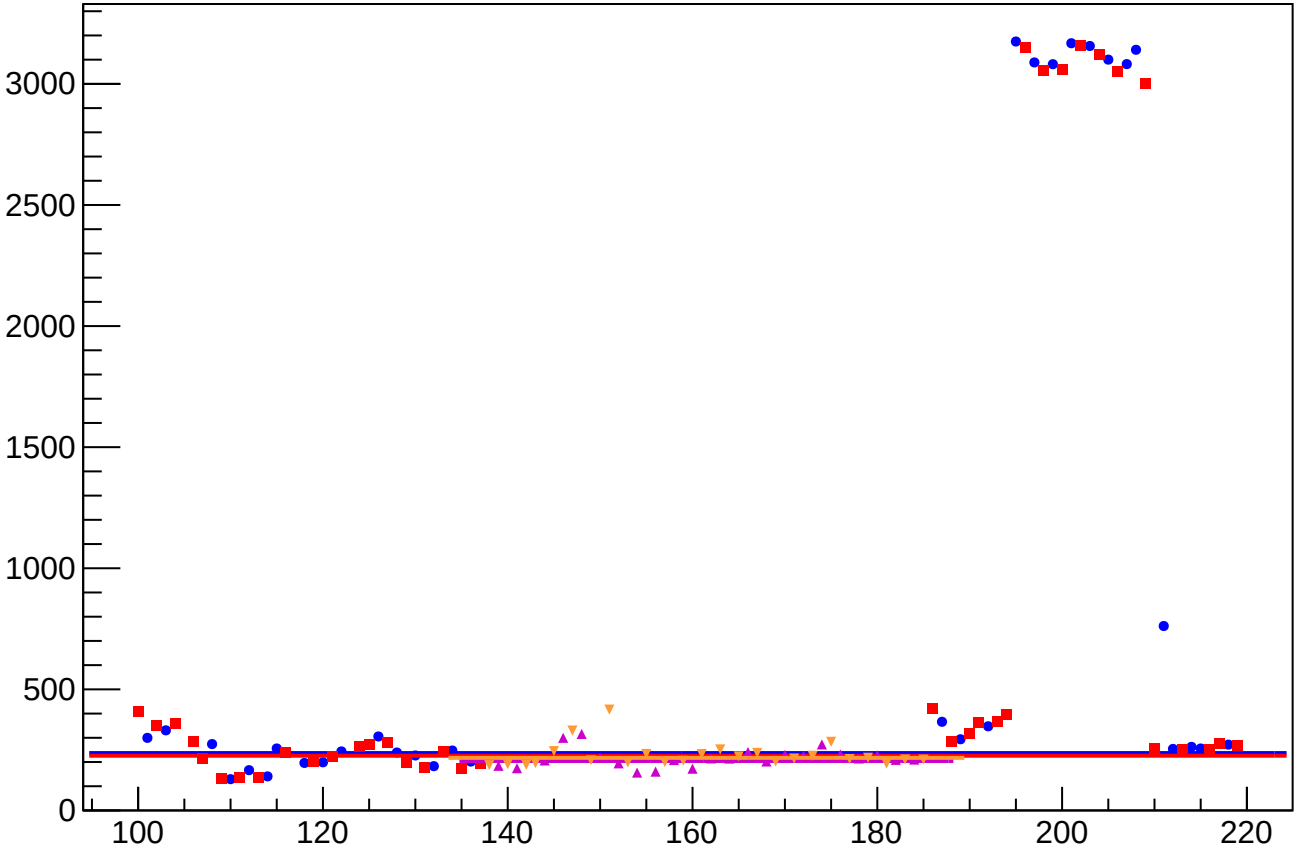
Right: 316.495+/-44.698 χ^2/NDF: 9100.7/68

In: -90.959+/-39.610 χ^2/NDF:3327.5/54

Out: 1025.902+/-38.670 χ^2/NDF:8585.3/61

All: 480.890+/-27.670 χ^2/NDF: 12319.8/116

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 236.916+/-0.047 χ^2/NDF: 13409722.0/31

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 226.056+/-0.043 χ^2/NDF: 13280464.8/36

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

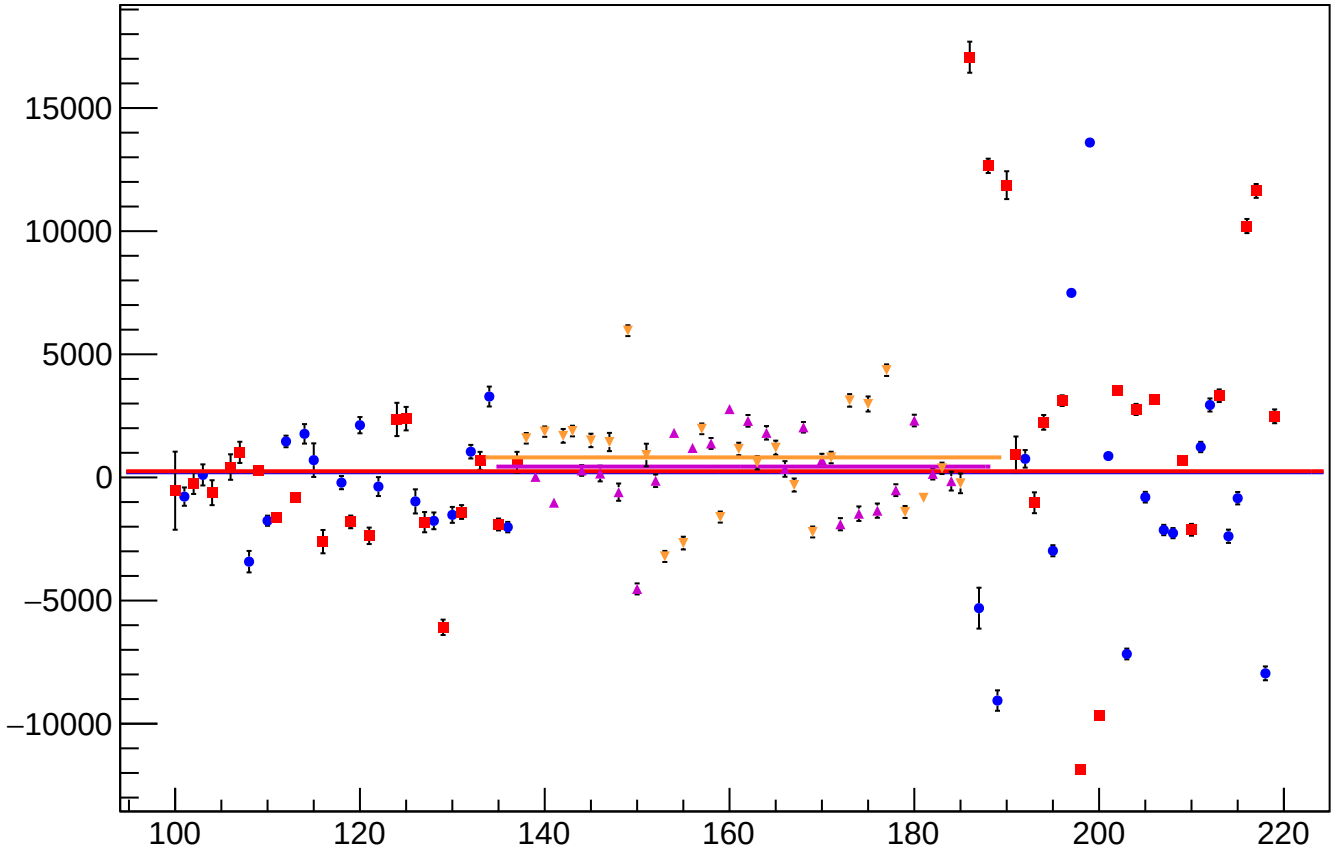
Right: 230.915+/-0.032 χ^2/NDF: 26719377.2/68

In: 215.766+/-0.028 χ^2/NDF:14733684.0/54

Out: 220.876+/-0.027 χ^2/NDF:14216208.3/61

All: 218.383+/-0.020 χ^2/NDF: 28966936.1/11

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 209.822+/-47.498 χ^2/NDF: 10223.6/31

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 251.206+/-46.087 χ^2/NDF: 14037.6/36

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

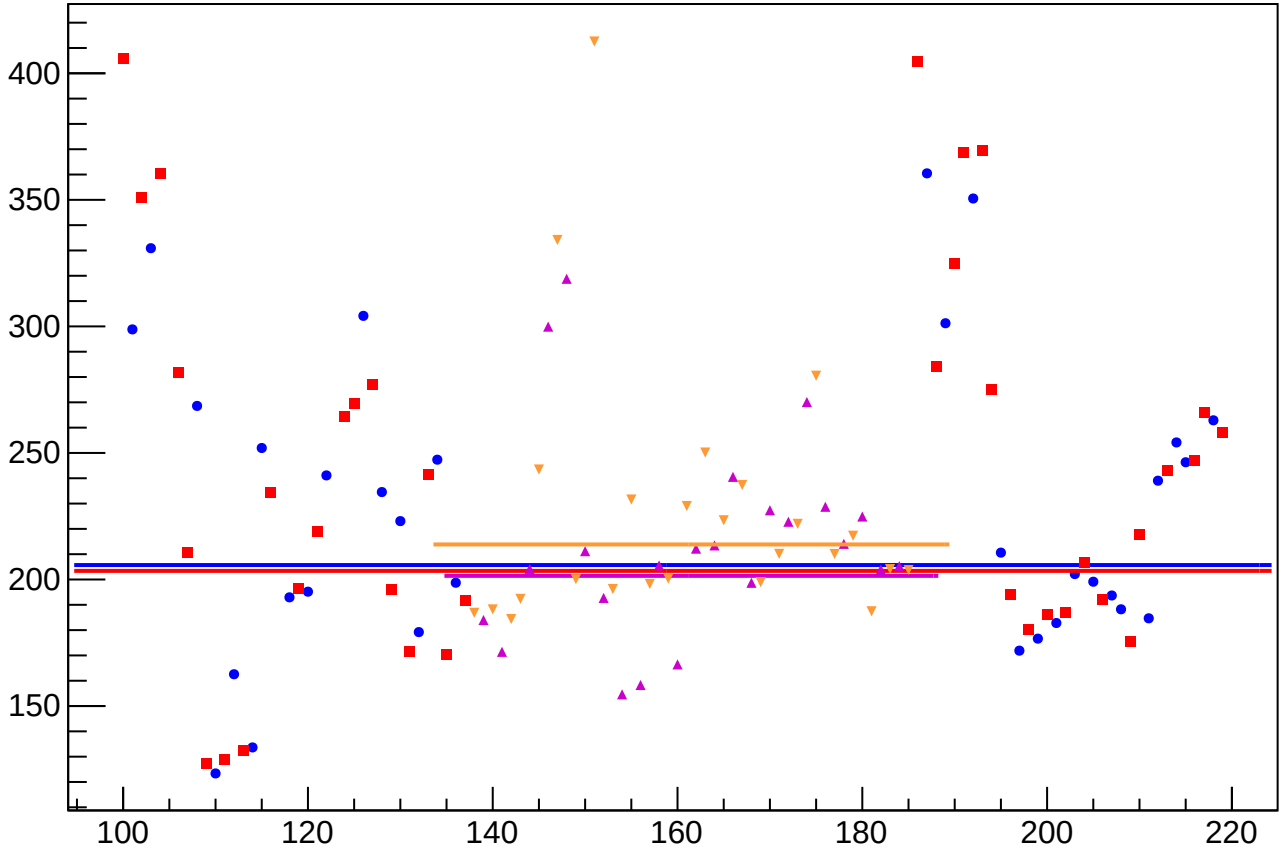
Right: 231.138+/-33.076 χ^2/NDF: 24261.6/68

In: 322.265+/-33.947 χ^2/NDF:11470.0/54

Out: 511.194+/-33.812 χ^2/NDF:16106.9/61

All: 417.105+/-23.956 χ^2/NDF: 27592.5/116

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 205.705+/-0.034 χ^2/NDF: 1884175.9/31

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 203.407+/-0.033 χ^2/NDF: 2978852.4/36

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

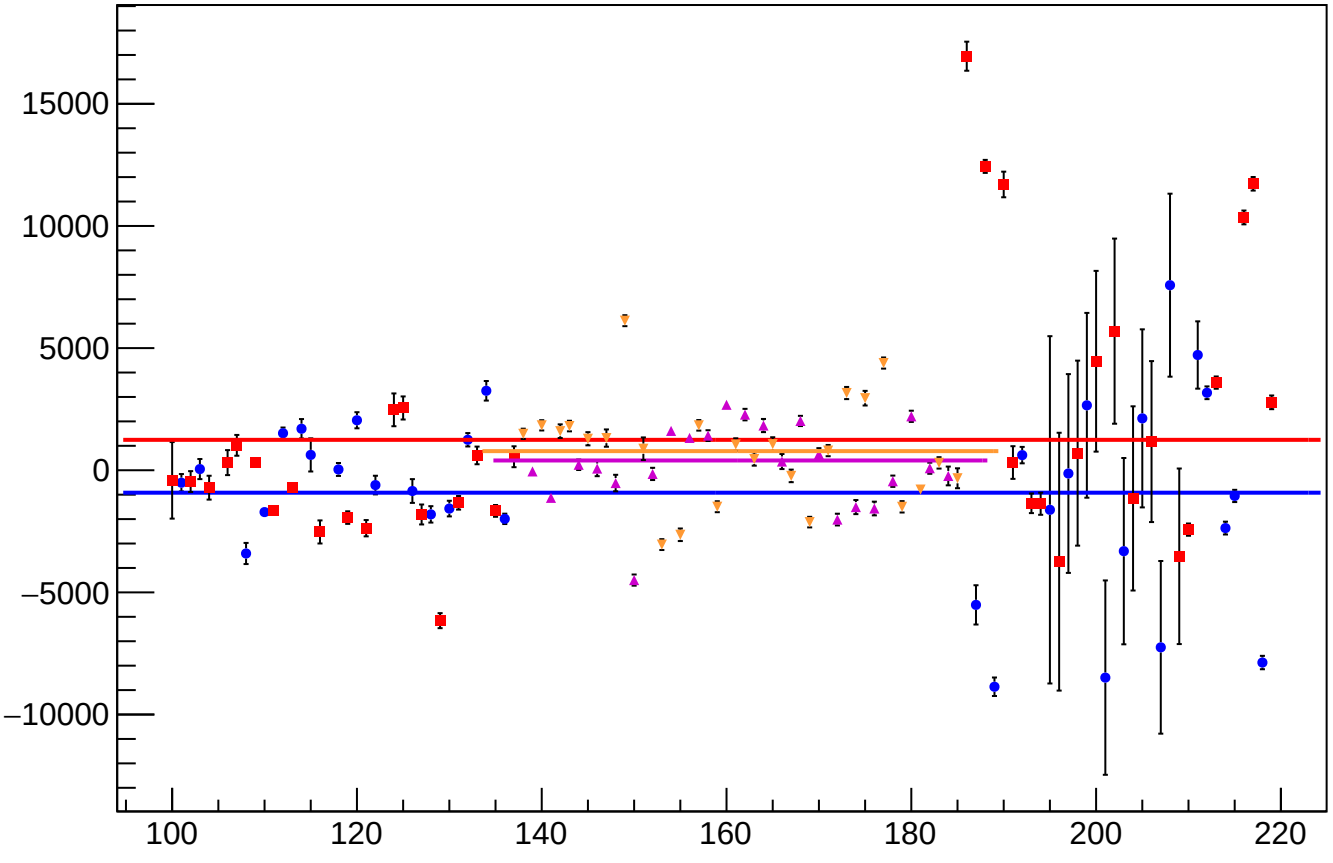
Right: 204.522+/-0.023 χ^2/NDF: 4865439.0/68

In: 203.621+/-0.024 χ^2/NDF:2954017.1/54

Out: 208.228+/-0.024 χ^2/NDF:3989828.9/61

All: 205.934+/-0.017 χ^2/NDF: 6962335.9/116

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -919.115+/-64.328 χ^2/NDF: 1955.3/31

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 1244.513+/-57.386 χ^2/NDF: 7329.3/36

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

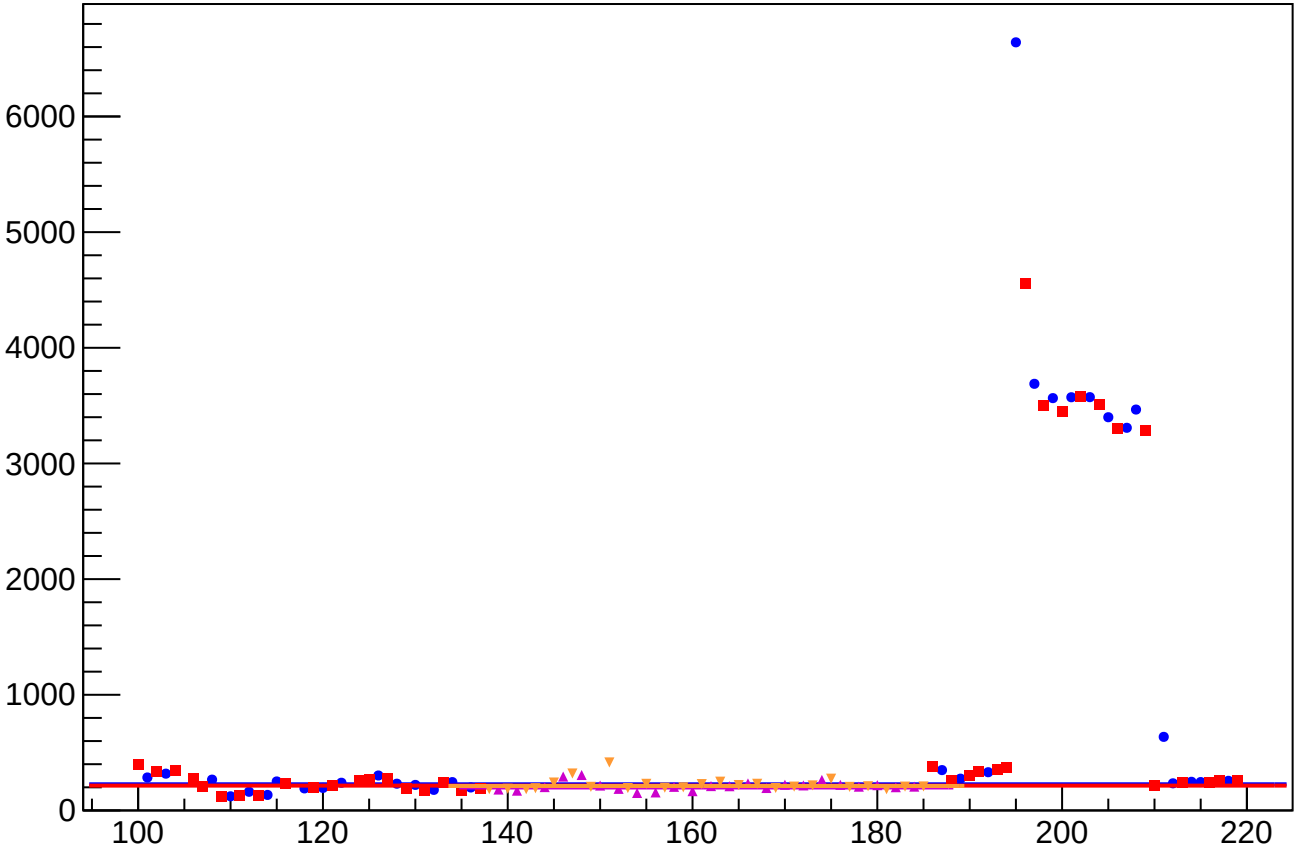
Right: 285.700+/-42.823 χ^2/NDF: 9914.6/68

In: -69.622+/-38.377 χ^2/NDF:3458.1/54

Out: 978.164+/-37.351 χ^2/NDF:9367.9/61

All: 468.461+/-26.767 χ^2/NDF: 13208.8/116

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 226.354+/-0.045 χ^2/NDF: 13784760.7/31

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 214.722+/-0.041 χ^2/NDF: 13549082.9/36

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

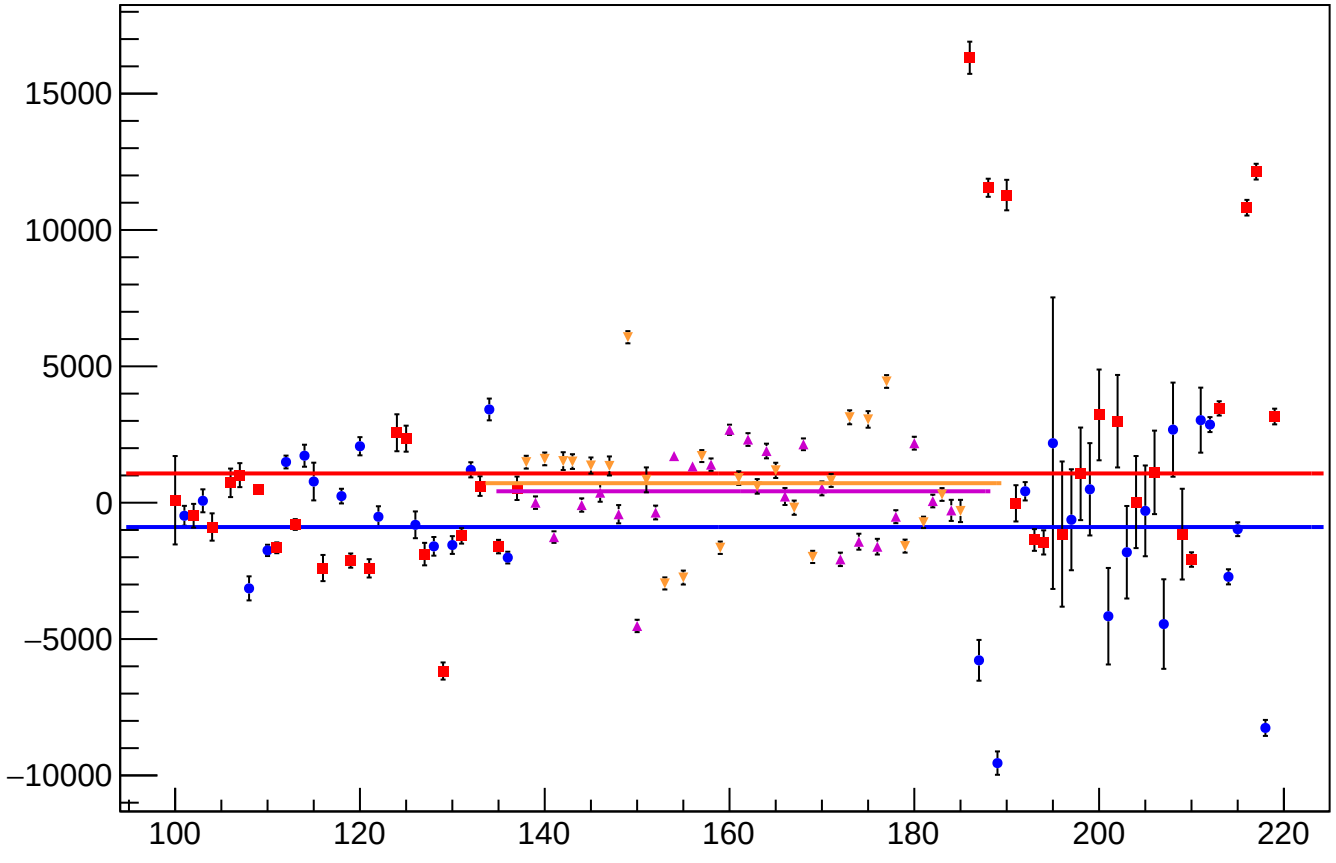
Right: 219.877+/-0.030 χ^2/NDF: 27370255.5/68

In: 208.429+/-0.027 χ^2/NDF:15032311.4/54

Out: 212.863+/-0.026 χ^2/NDF:14487705.5/61

All: 210.706+/-0.019 χ^2/NDF: 29533723.1/11

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -892.855+/-65.531 χ^2/NDF: 1859.0/31

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 1072.718+/-58.938 χ^2/NDF: 6378.6/36

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

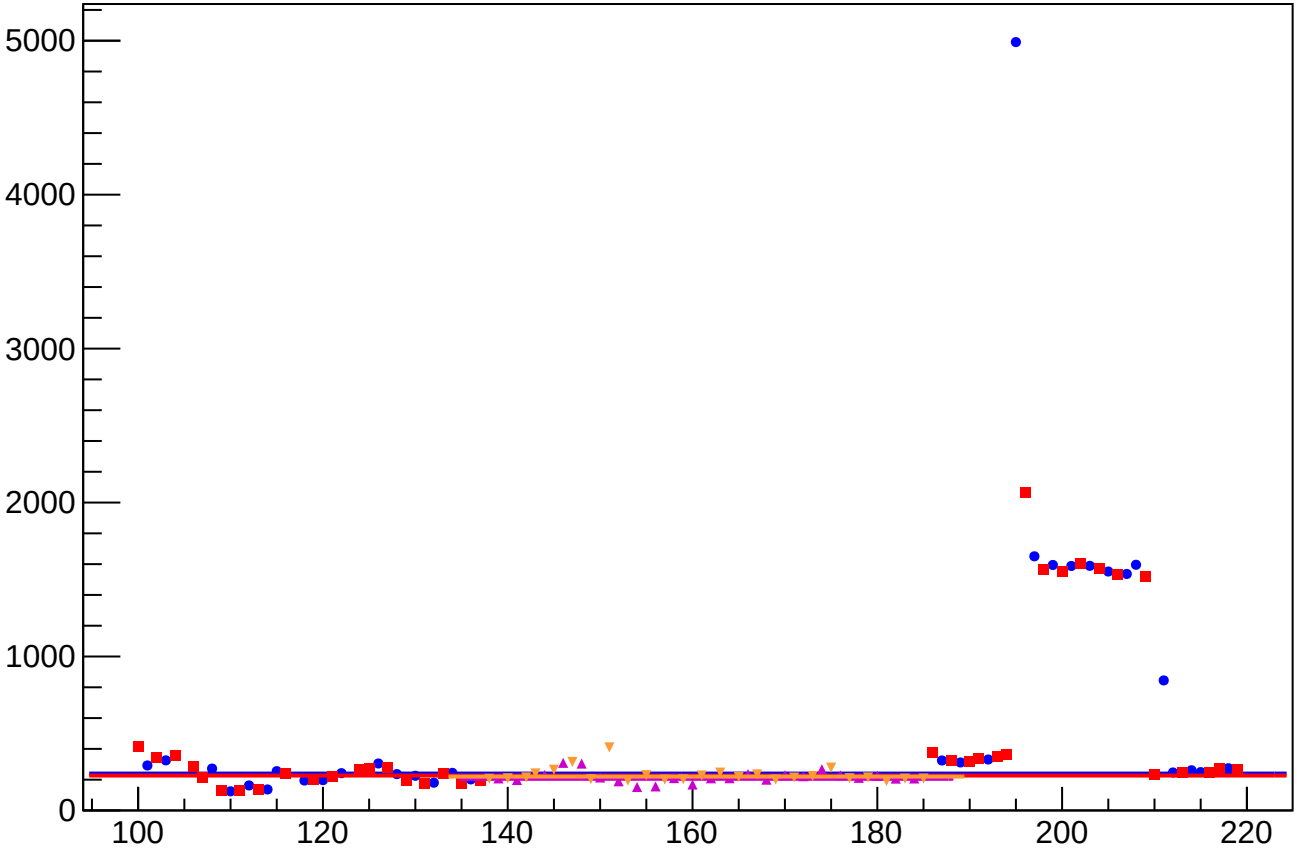
Right: 193.757+/-43.821 χ^2/NDF: 8735.1/68

In: -58.145+/-39.510 χ^2/NDF:3354.9/54

Out: 868.909+/-38.613 χ^2/NDF:8317.6/61

All: 416.019+/-27.615 χ^2/NDF: 11954.1/116

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 239.542+/-0.046 χ^2/NDF: 12350959.5/31

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 226.756+/-0.042 χ^2/NDF: 11718185.6/36

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

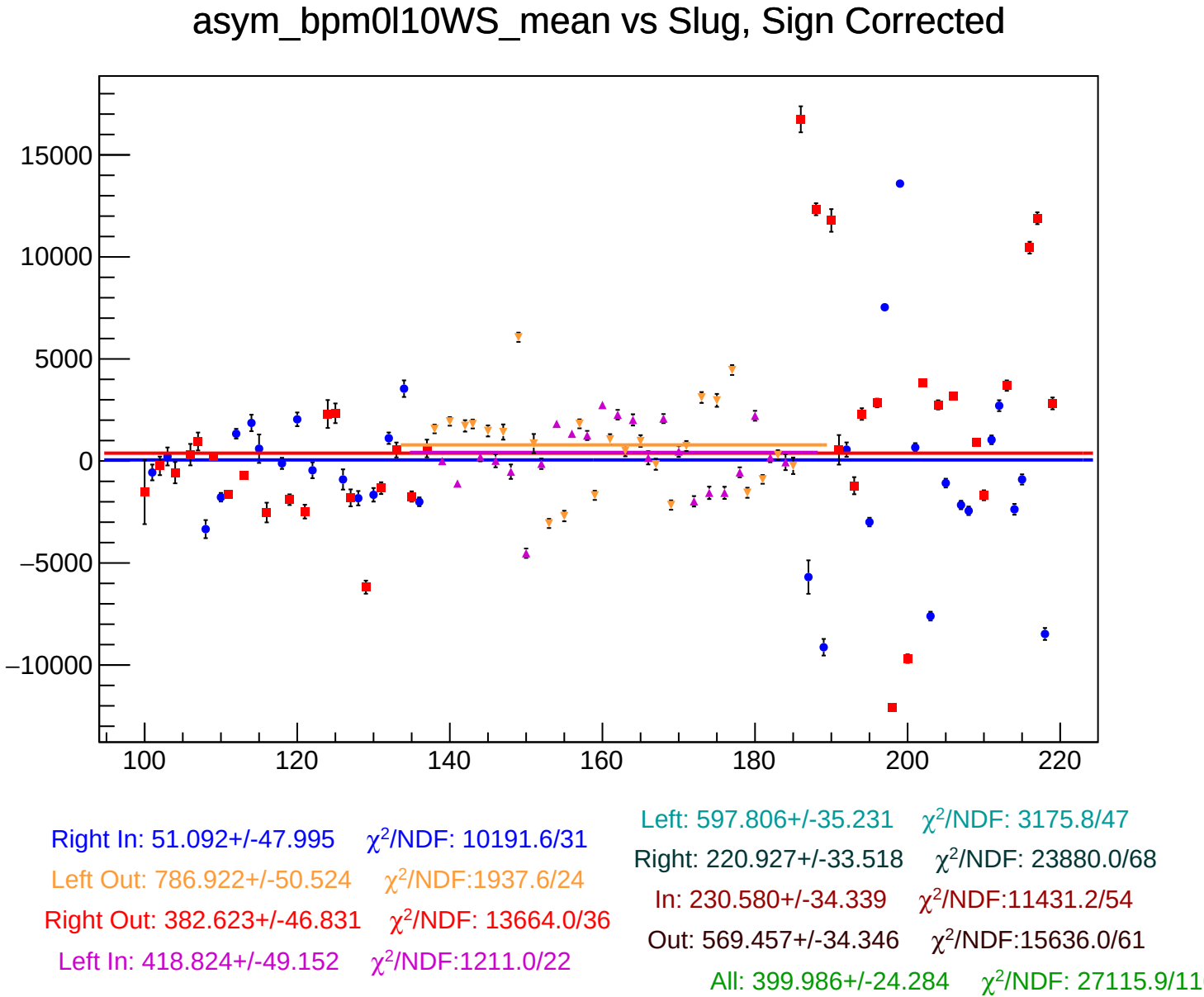
Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

Right: 232.473+/-0.031 χ^2/NDF: 24111240.5/68

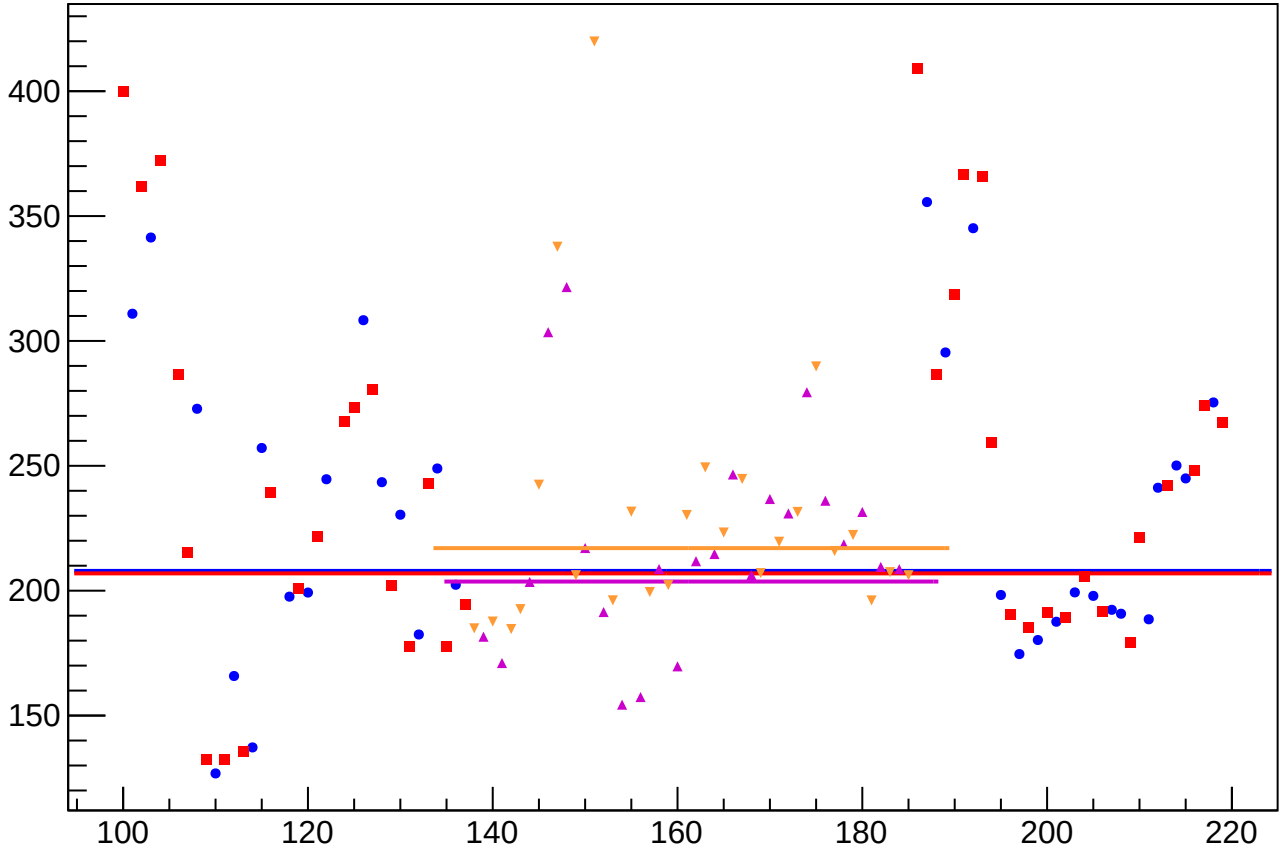
In: 217.863+/-0.028 χ^2/NDF:13708827.1/54

Out: 222.982+/-0.027 χ^2/NDF:12532246.1/61

All: 220.481+/-0.020 χ^2/NDF: 26258247.9/1


asym_bpm0l10WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 51.092+/-47.995 χ²/NDF: 10191.6/31
Left Out: 786.922+/-50.524 χ²/NDF:1937.6/24
Right Out: 382.623+/-46.831 χ²/NDF: 13664.0/36
Left In: 418.824+/-49.152 χ²/NDF:1211.0/22
Left: 597.806+/-35.231 χ²/NDF: 3175.8/47
Right: 220.927+/-33.518 χ²/NDF: 23880.0/68
In: 230.580+/-34.339 χ²/NDF:11431.2/54
Out: 569.457+/-34.346 χ²/NDF:15636.0/61
All: 399.986+/-24.284 χ²/NDF: 27115.9/116

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 207.914+/-0.034 χ^2/NDF: 1829661.6/31

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 206.928+/-0.033 χ^2/NDF: 2822622.0/36

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

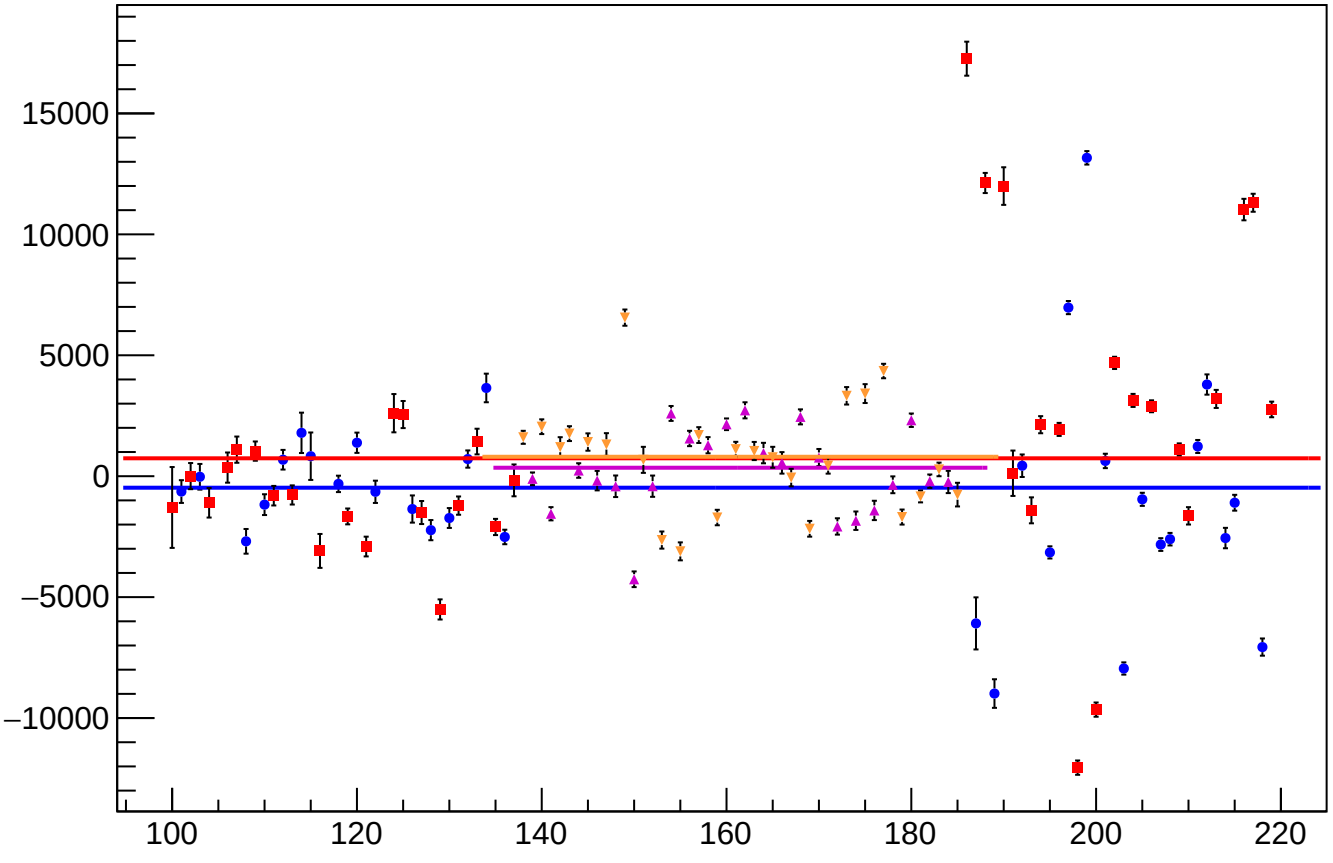
Right: 207.409+/-0.024 χ^2/NDF: 4652716.3/68

In: 205.838+/-0.024 χ^2/NDF:3002666.2/54

Out: 211.601+/-0.024 χ^2/NDF:3848885.3/61

All: 208.719+/-0.017 χ^2/NDF: 6879712.1/116

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -475.768+/-63.994 χ^2/NDF: 5234.9/31

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 740.008+/-64.284 χ^2/NDF: 7118.9/36

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

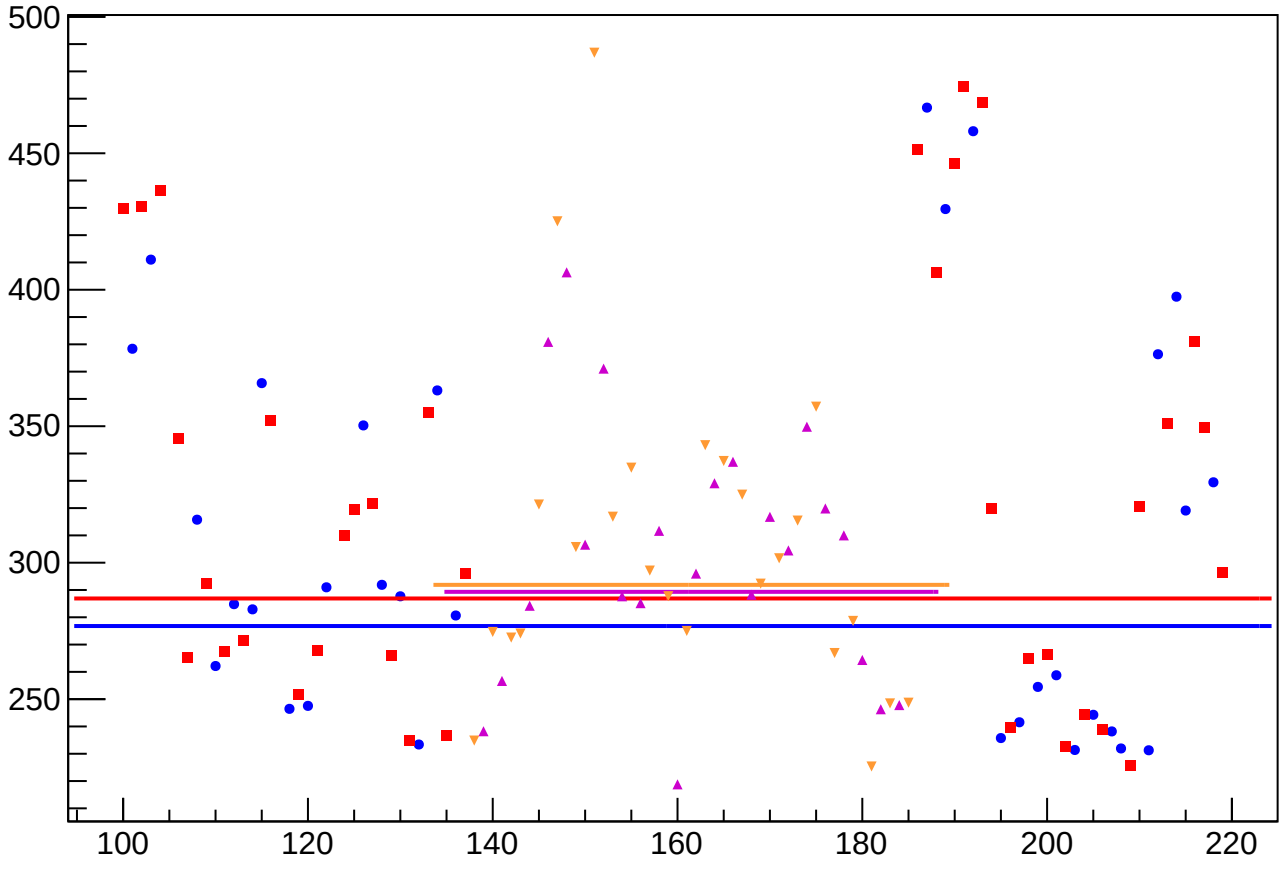
Right: 129.377+/-45.353 χ^2/NDF: 12533.4/68

In: -93.785+/-46.916 χ^2/NDF:5968.0/54

Out: 770.234+/-46.614 χ^2/NDF:8177.0/61

All: 341.013+/-33.067 χ^2/NDF: 14315.7/116

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 276.794+/-0.045 χ^2/NDF: 1603349.4/31

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 286.888+/-0.045 χ^2/NDF: 1811983.5/36

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

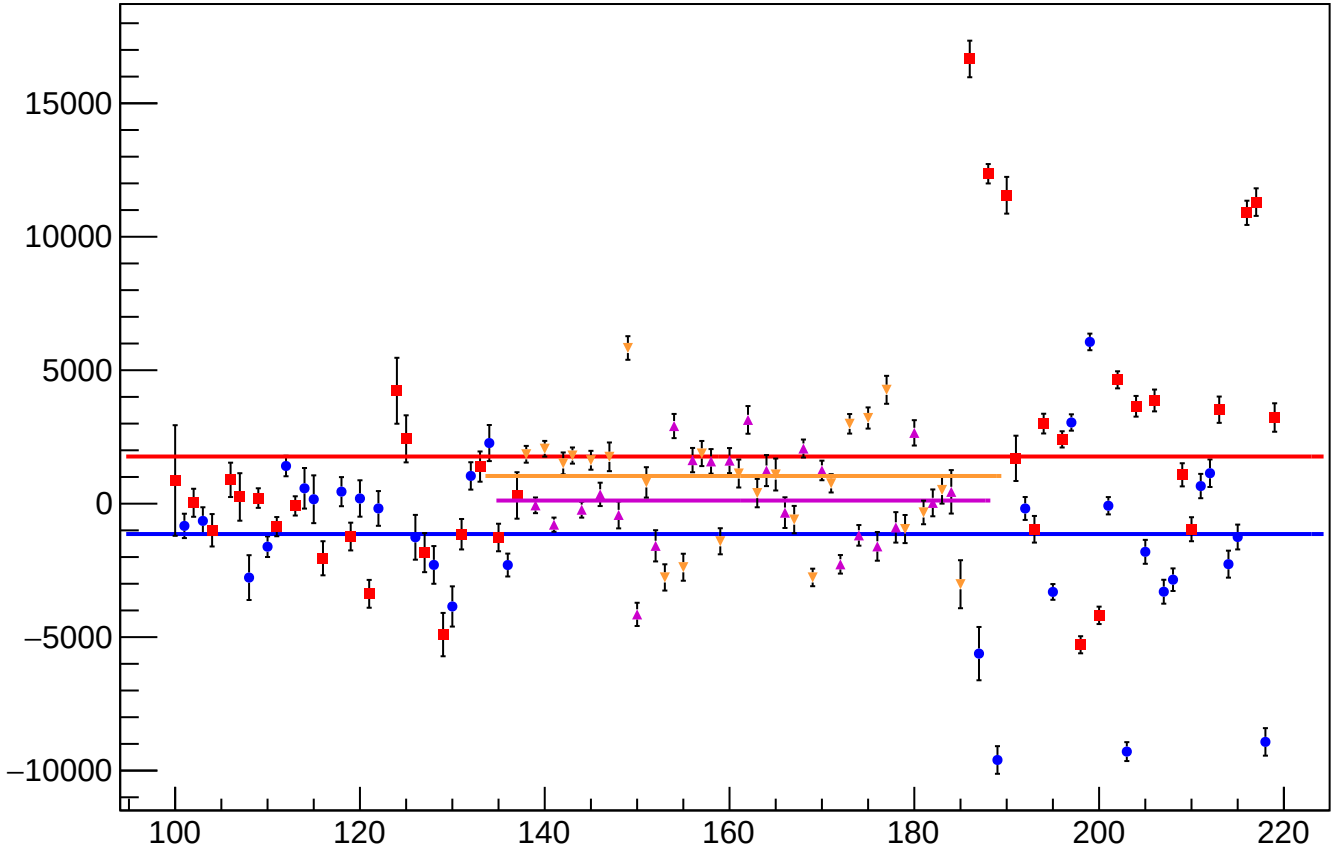
Right: 281.818+/-0.032 χ^2/NDF: 3440101.8/68

In: 282.588+/-0.033 χ^2/NDF:2447401.5/54

Out: 289.256+/-0.033 χ^2/NDF:2777626.8/61

All: 285.944+/-0.023 χ^2/NDF: 5245361.1/116

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -1137.616+/-82.334 χ^2/NDF: 2058.3/31

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 1766.574+/-78.349 χ^2/NDF: 3782.5/36

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

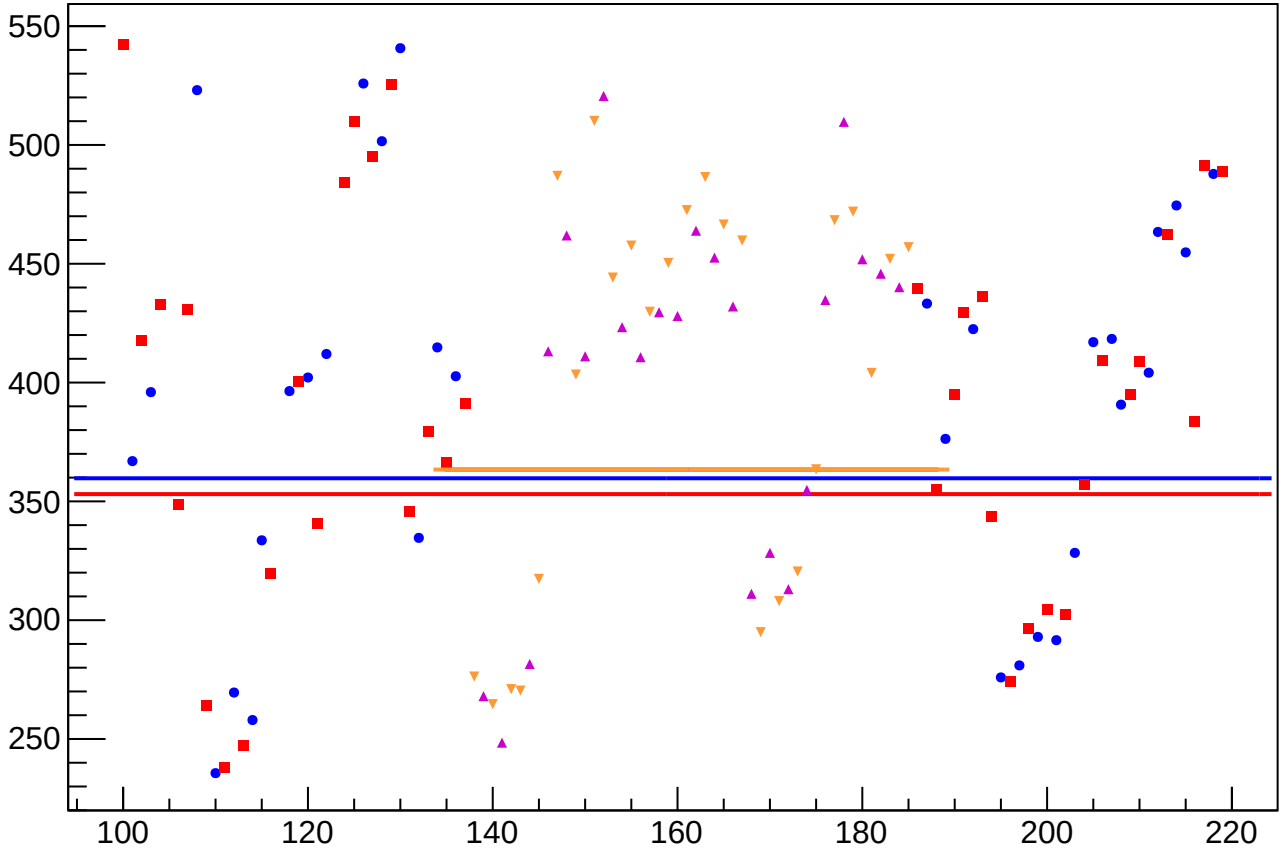
Right: 386.475+/-56.758 χ^2/NDF: 6493.8/68

In: -548.056+/-59.950 χ^2/NDF:2537.9/54

Out: 1432.449+/-57.671 χ^2/NDF:4392.4/61

All: 480.549+/-41.562 χ^2/NDF: 7497.1/116

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 359.715+/-0.058 χ^2/NDF: 1815038.8/31

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 353.055+/-0.055 χ^2/NDF: 1747123.6/36

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

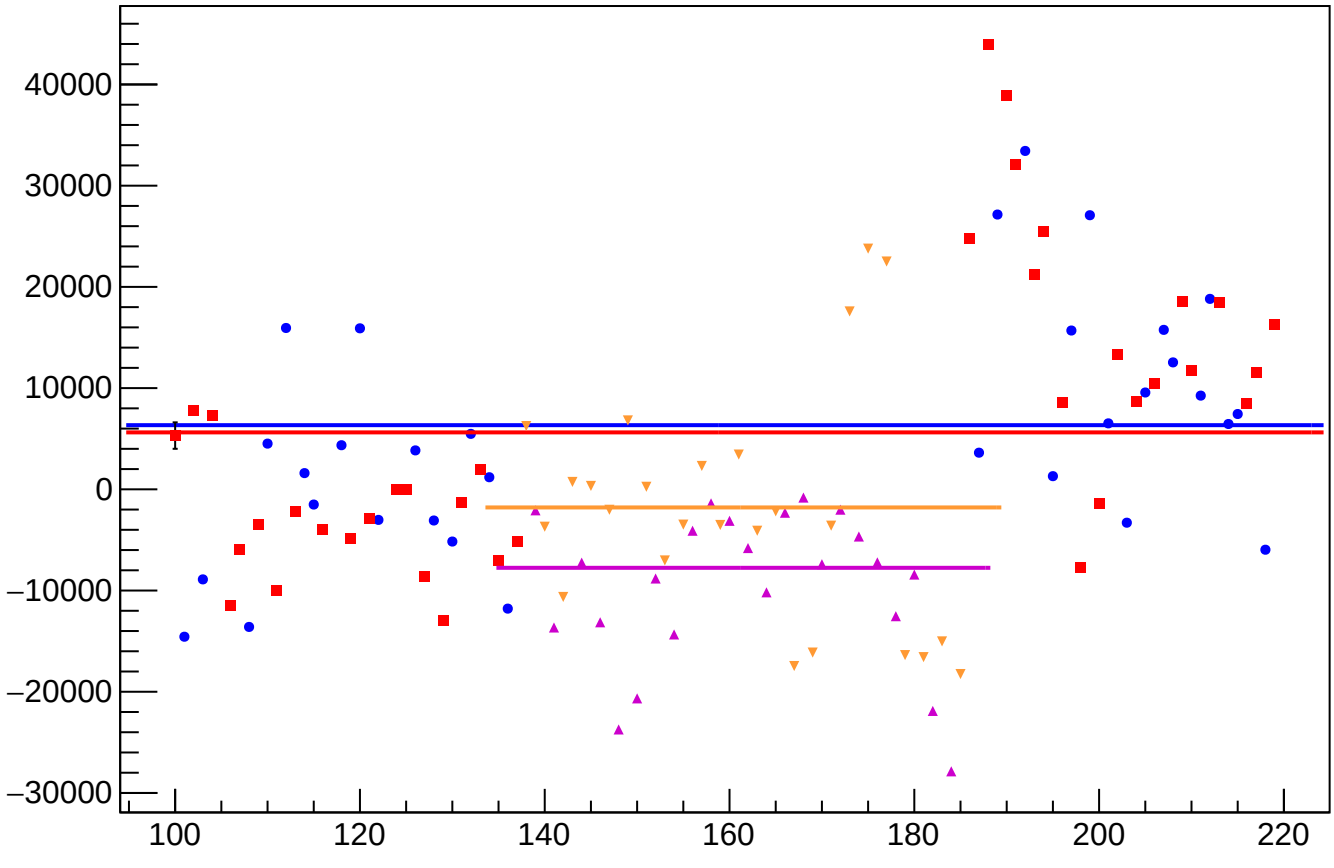
Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

Right: 356.220+/-0.040 χ^2/NDF: 3569031.6/68

In: 361.440+/-0.042 χ^2/NDF:3528505.8/54

Out: 357.789+/-0.041 χ^2/NDF:3703557.8/61

All: 359.544+/-0.029 χ^2/NDF: 7235917.1/116



Right In: 6339.118+/-38.059 χ^2/NDF: 99112.1/31

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 5625.025+/-36.486 χ^2/NDF: 149627.3/36

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

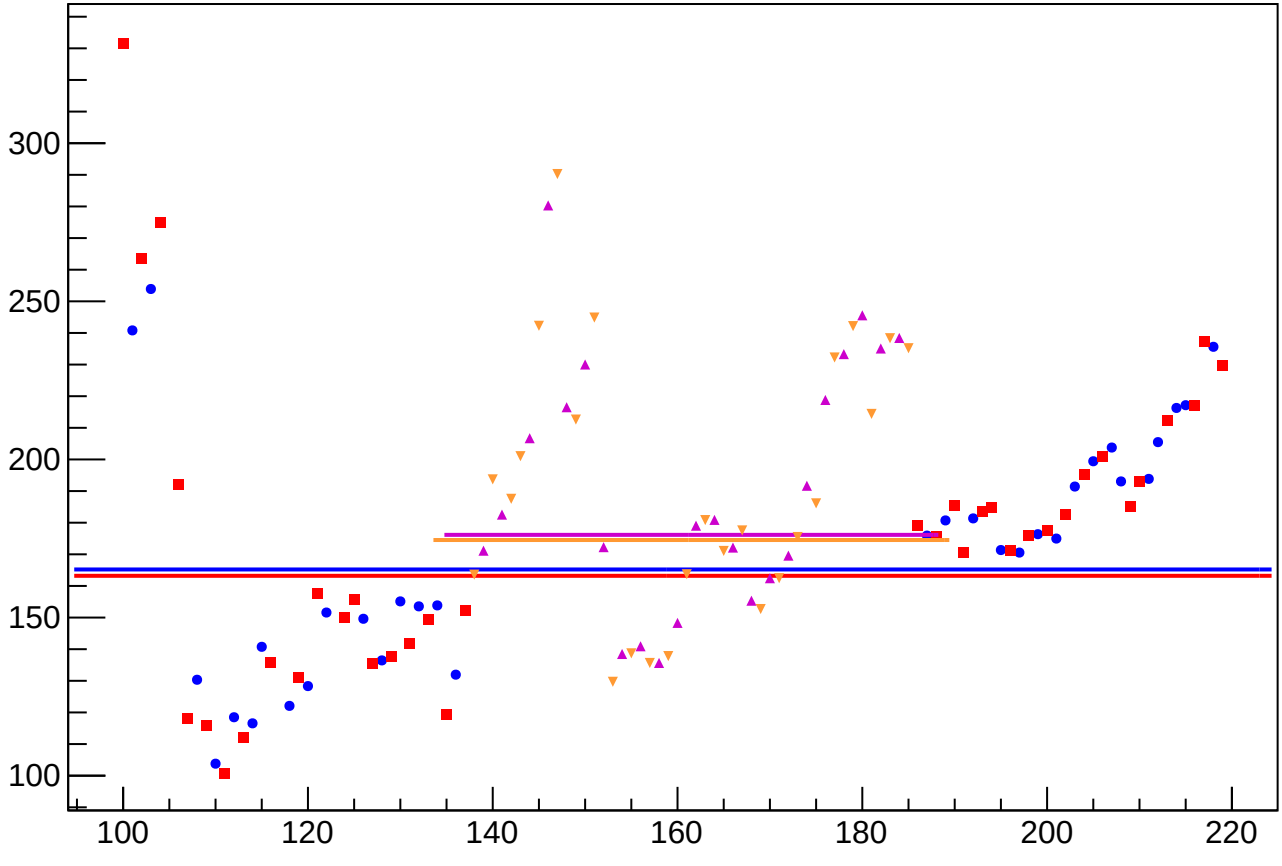
Right: 5967.011+/-26.338 χ^2/NDF: 248922.8/68

In: 78.616+/-28.373 χ^2/NDF:183305.1/54

Out: 2339.882+/-27.230 χ^2/NDF:233672.6/61

All: 1255.737+/-19.646 χ^2/NDF: 420284.1/11

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 165.211+/-0.027 χ^2/NDF: 1817979.8/31

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 163.206+/-0.026 χ^2/NDF: 2261955.4/36

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

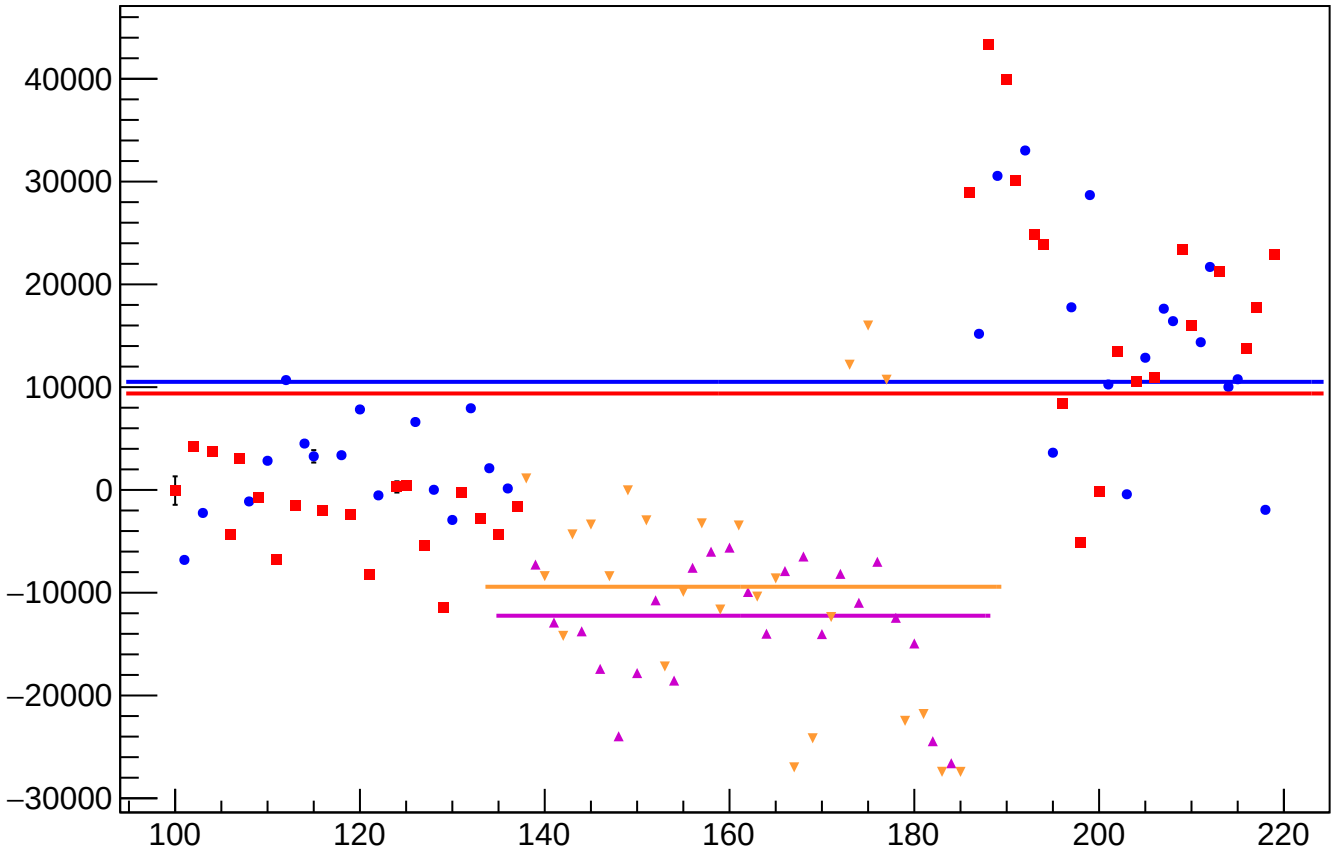
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 164.166+/-0.019 χ^2/NDF: 4082826.3/68

In: 170.072+/-0.020 χ^2/NDF:3258498.2/54

Out: 168.219+/-0.019 χ^2/NDF:4006629.7/61

All: 169.107+/-0.014 χ^2/NDF: 7269570.4/116



Right In: 10516.588+/-41.421 χ^2/NDF: 59301.8/31

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 9384.487+/-39.797 χ^2/NDF: 122918.9/36

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

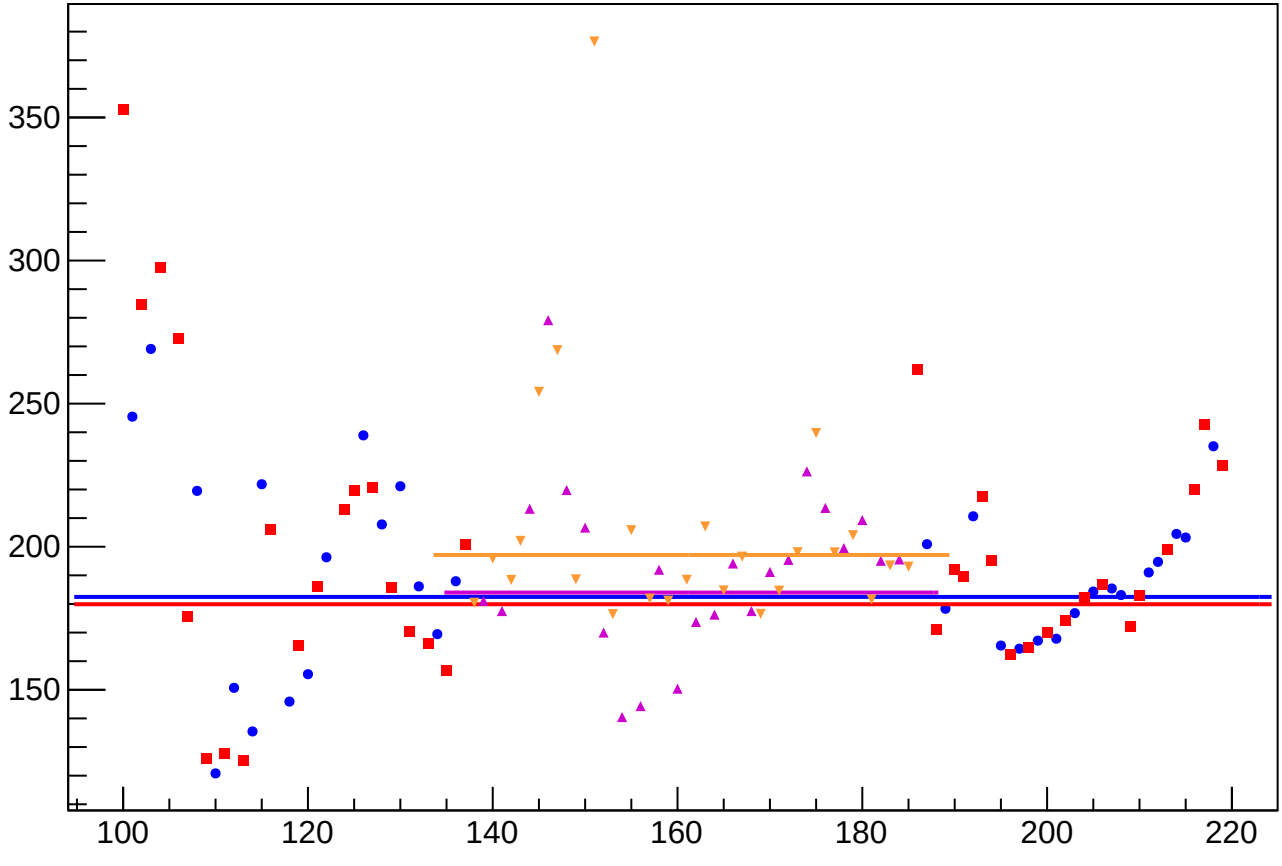
Right: 9927.919+/-28.698 χ^2/NDF: 182609.1/68

In: -124.424+/-30.222 χ^2/NDF:216451.6/54

Out: 1273.843+/-30.012 χ^2/NDF:283935.2/61

All: 579.591+/-21.295 χ^2/NDF: 501464.6/116

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 182.461+/-0.029 χ^2/NDF: 924382.2/31

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 179.897+/-0.028 χ^2/NDF: 1497173.0/36

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

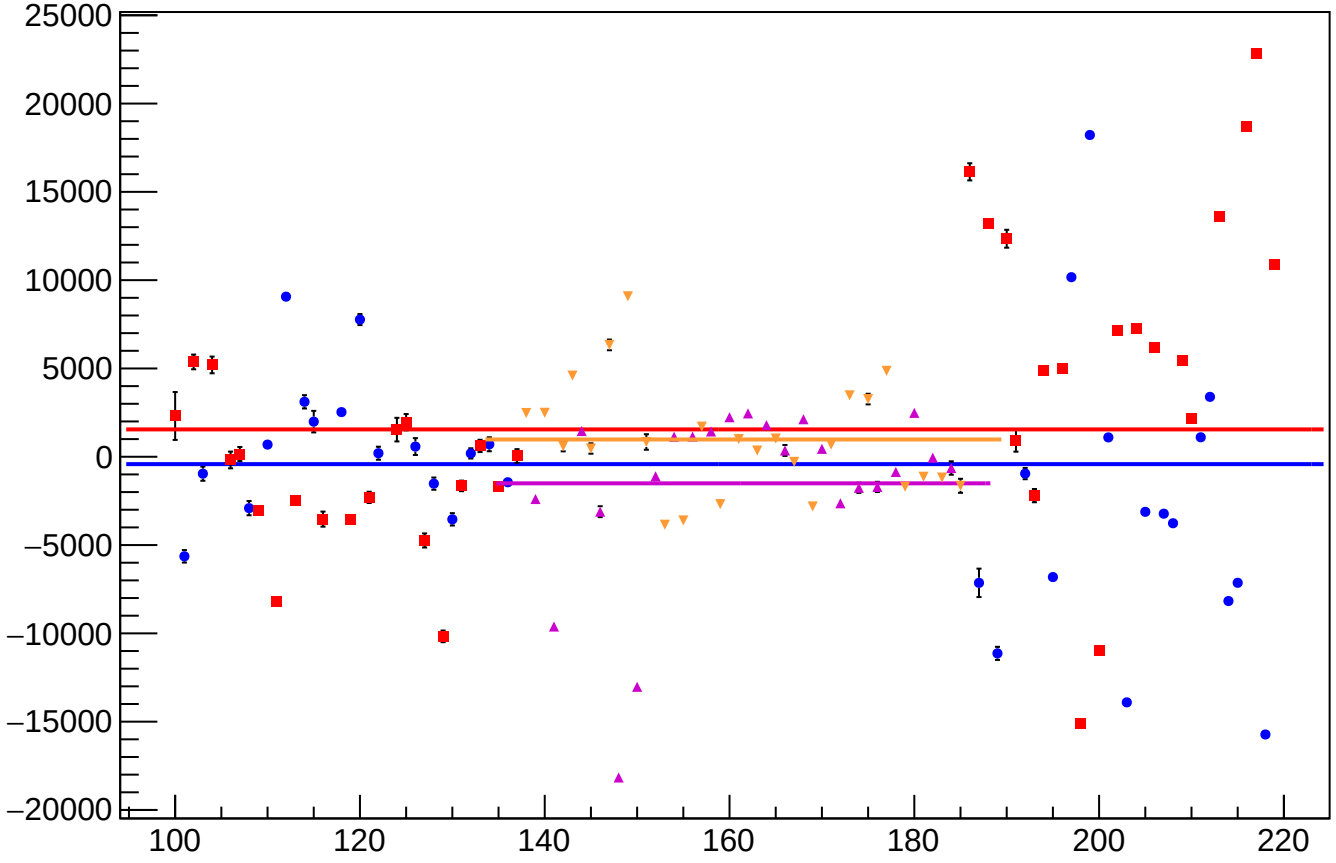
Right: 181.128+/-0.020 χ^2/NDF: 2425539.3/68

In: 183.174+/-0.021 χ^2/NDF:1755427.3/54

Out: 187.327+/-0.021 χ^2/NDF:2391302.7/61

All: 185.265+/-0.015 χ^2/NDF: 4165742.8/116

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: -417.460+/-46.465 χ^2/NDF: 26985.5/31

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 1549.058+/-44.720 χ^2/NDF: 36556.9/36

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

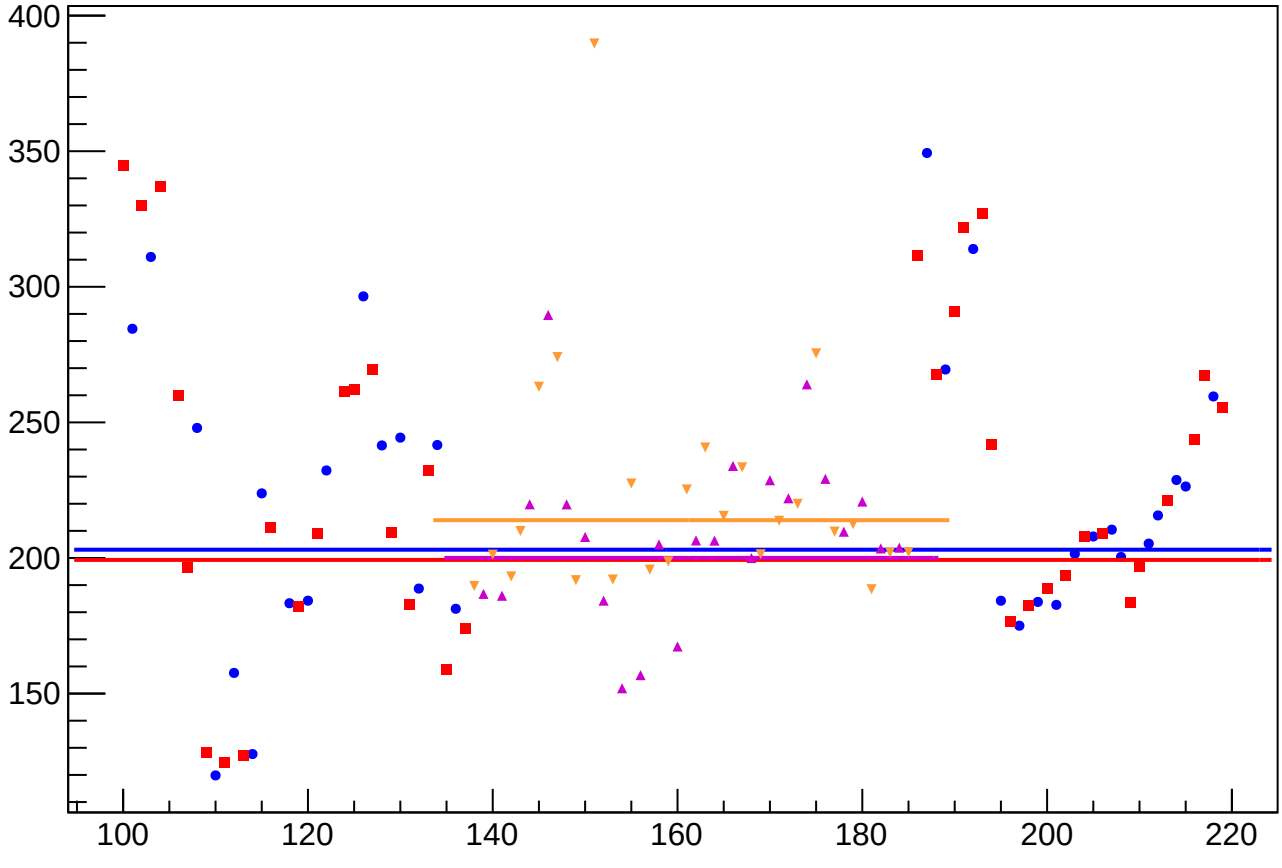
Right: 603.429+/-32.221 χ^2/NDF: 64472.3/68

In: -943.036+/-33.402 χ^2/NDF:38730.9/54

Out: 1293.229+/-33.215 χ^2/NDF:40952.8/61

All: 181.372+/-23.553 χ^2/NDF: 81937.4/116

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 203.056+/-0.033 χ^2/NDF: 1601048.9/31

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 199.290+/-0.032 χ^2/NDF: 2552523.4/36

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

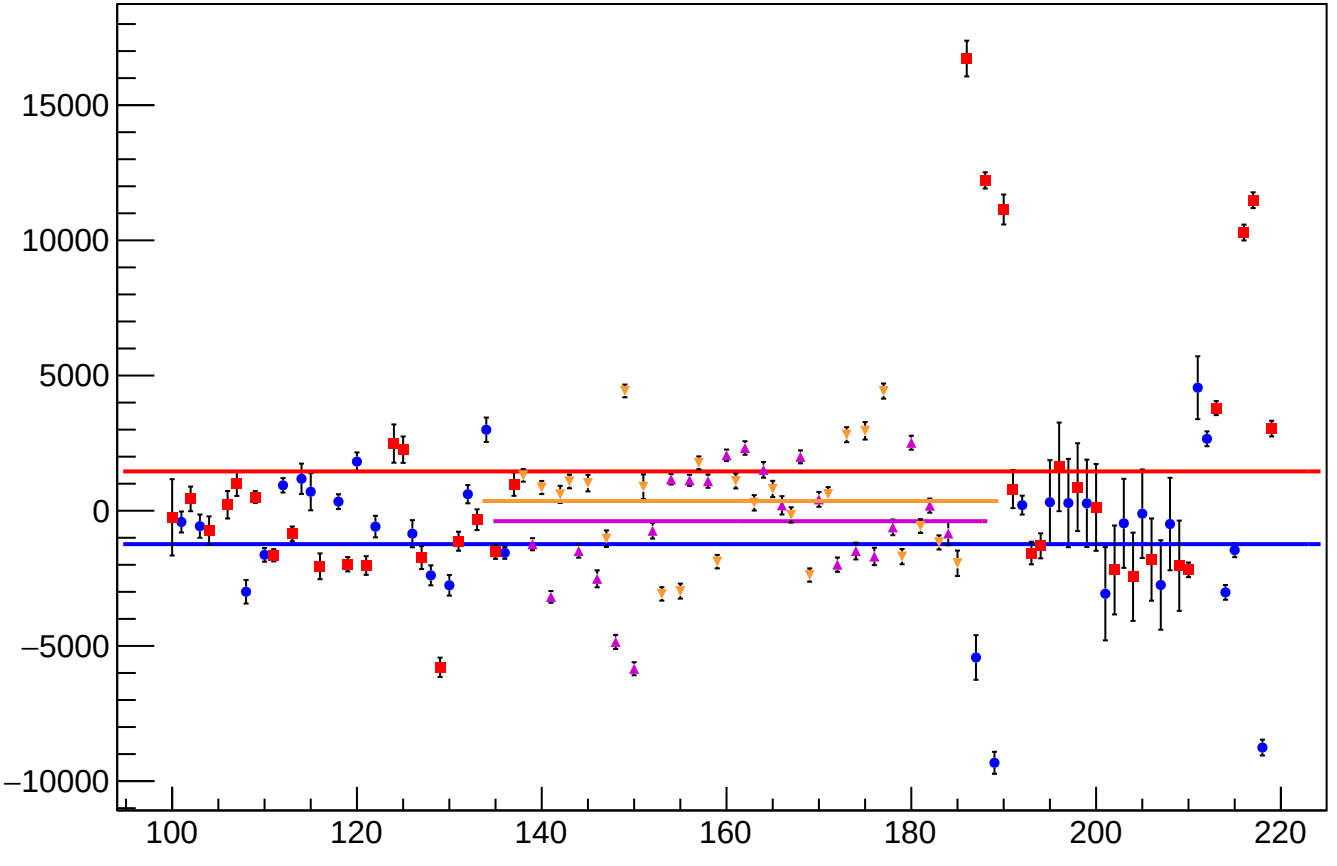
Right: 201.101+/-0.023 χ^2/NDF: 4160394.2/68

In: 201.594+/-0.024 χ^2/NDF:2390671.5/54

Out: 205.854+/-0.023 χ^2/NDF:3382279.4/61

All: 203.736+/-0.017 χ^2/NDF: 5789305.9/116

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -1235.447+/-69.731 χ^2/NDF: 1752.5/31

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 1454.435+/-63.496 χ^2/NDF: 5922.8/36

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

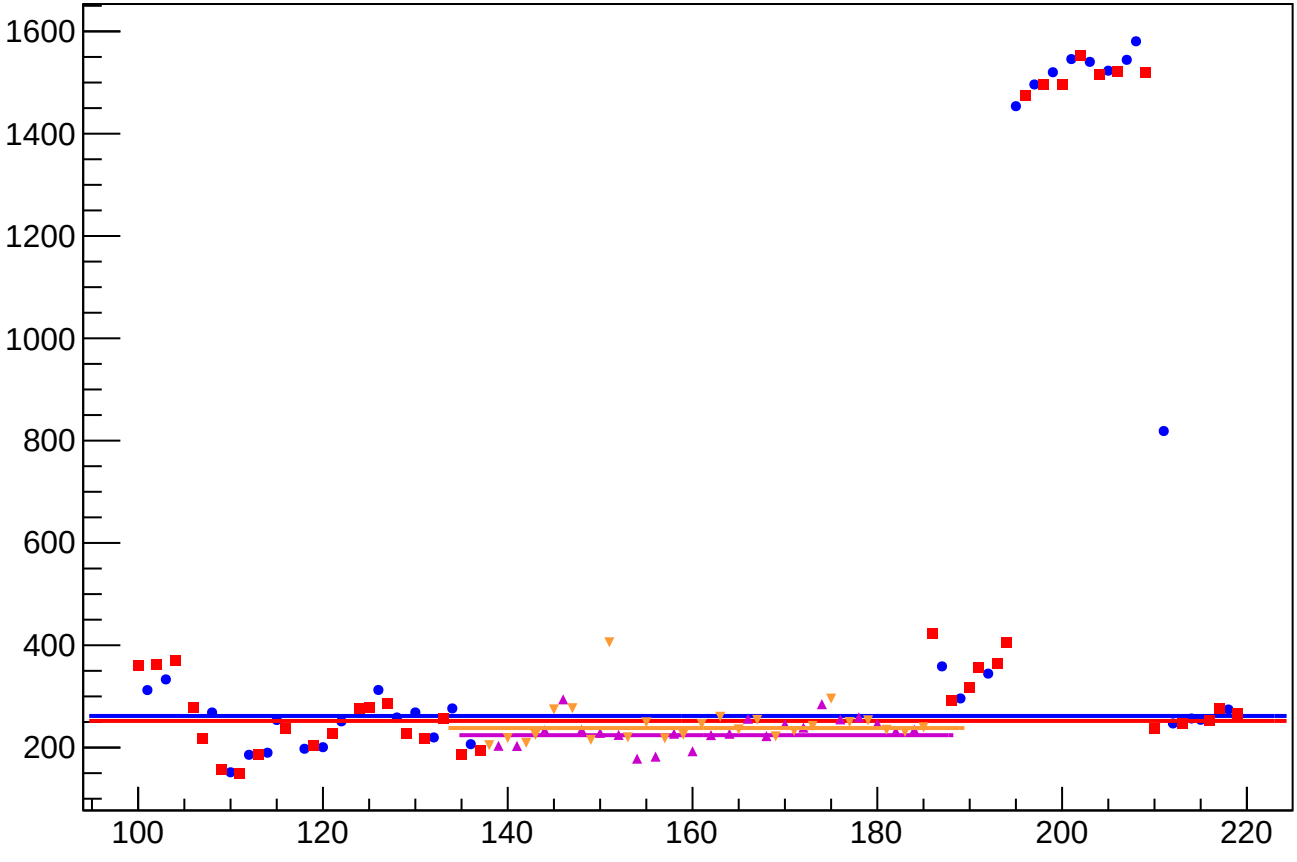
Right: 235.105+/-46.948 χ^2/NDF: 8488.7/68

In: -701.553+/-42.460 χ^2/NDF:3649.8/54

Out: 828.316+/-41.569 χ^2/NDF:7511.8/61

All: 79.611+/-29.704 χ^2/NDF: 11824.4/116

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 261.801+/-0.049 χ^2/NDF: 11065076.7/31

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 252.105+/-0.045 χ^2/NDF: 10550978.6/36

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

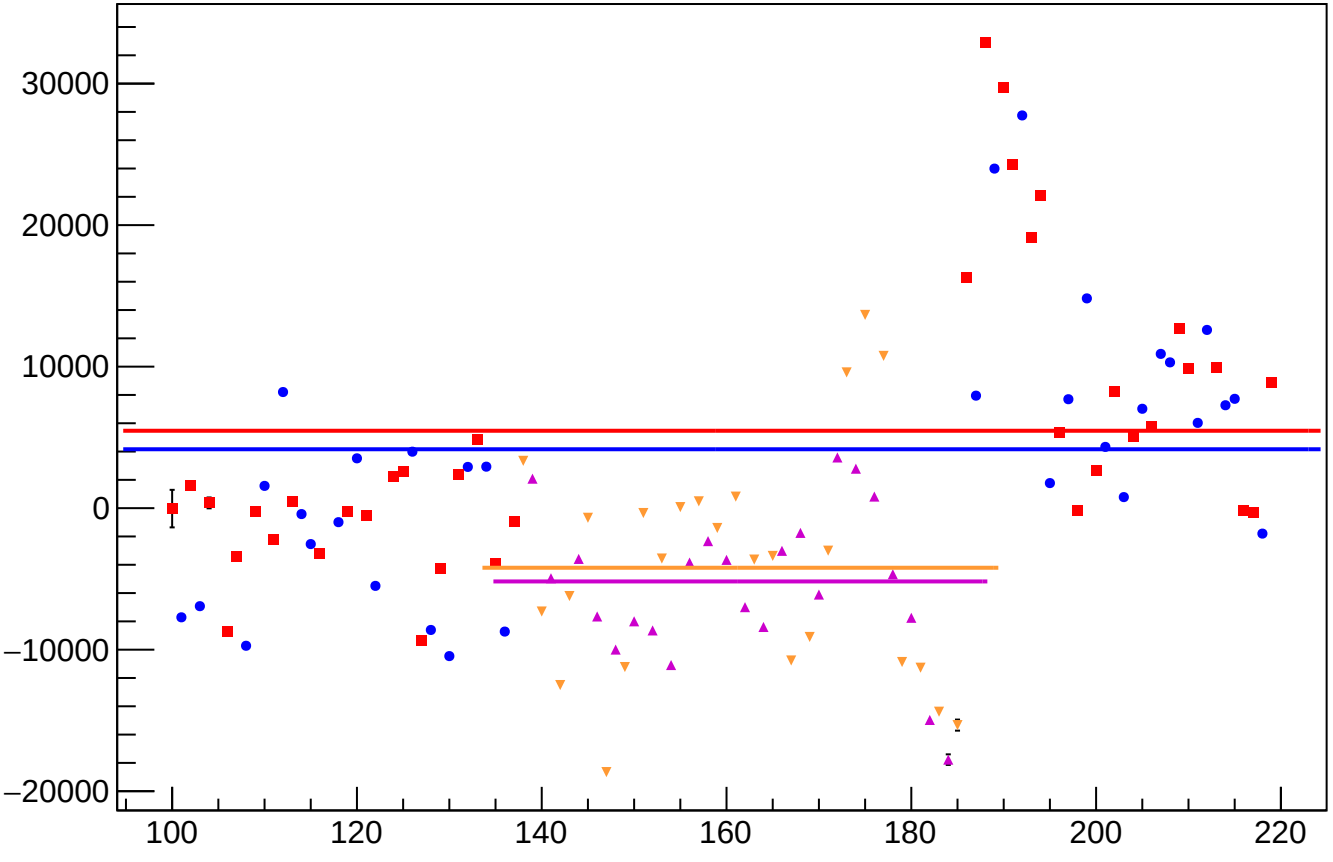
Right: 256.500+/-0.033 χ^2/NDF: 21637193.8/68

In: 238.149+/-0.030 χ^2/NDF:11993988.3/54

Out: 244.159+/-0.029 χ^2/NDF:11173728.0/61

All: 241.218+/-0.021 χ^2/NDF: 23188176.3/11

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 4162.195+/-32.329 χ^2/NDF: 82834.5/31

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5469.697+/-30.831 χ^2/NDF: 107507.6/36

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

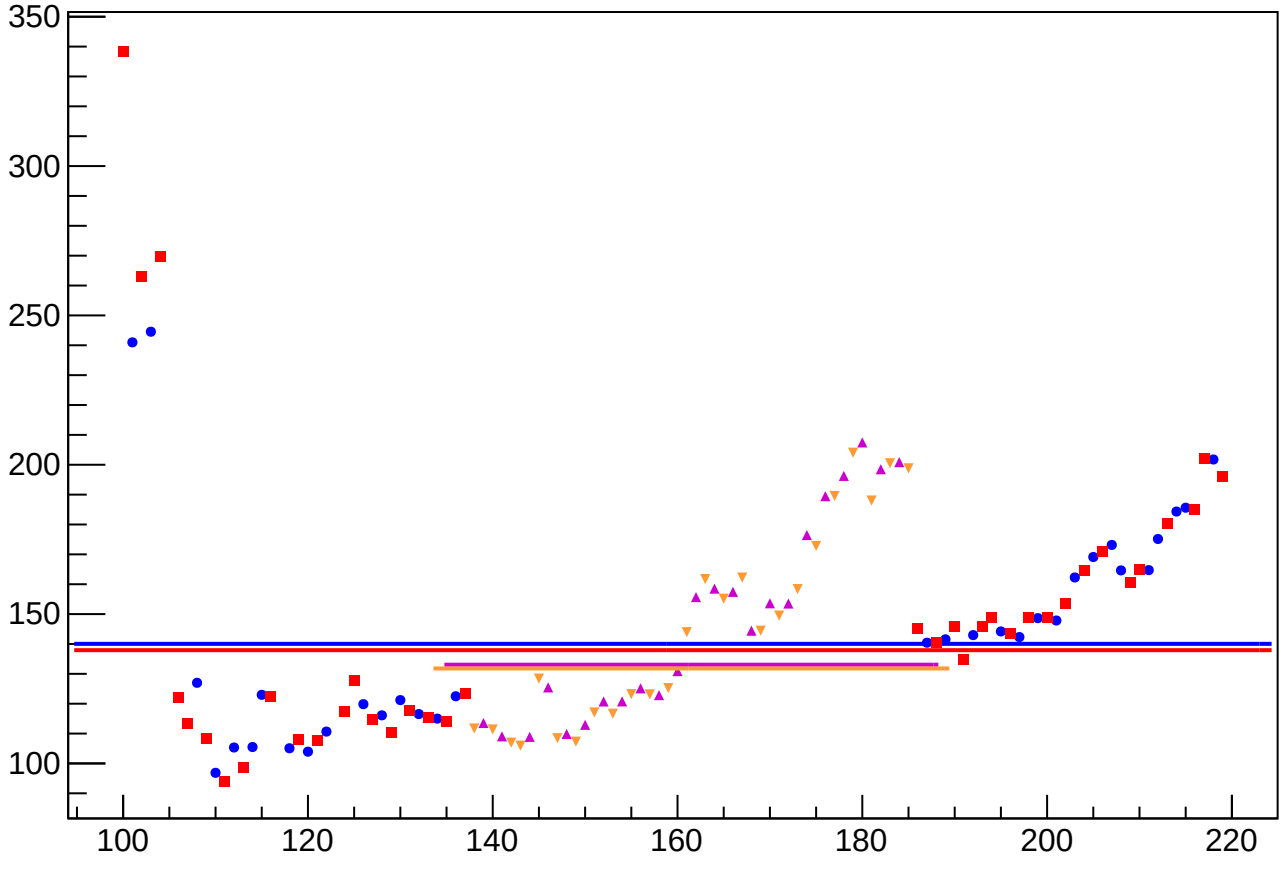
Right: 4846.944+/-22.312 χ^2/NDF: 191198.7/68

In: -560.289+/-22.732 χ^2/NDF:143579.0/54

Out: 629.125+/-21.800 χ^2/NDF:213606.3/61

All: 59.302+/-15.734 χ^2/NDF: 358611.4/116

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 140.042+/-0.023 χ^2/NDF: 1834750.7/31

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 137.919+/-0.022 χ^2/NDF: 2137321.3/36

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

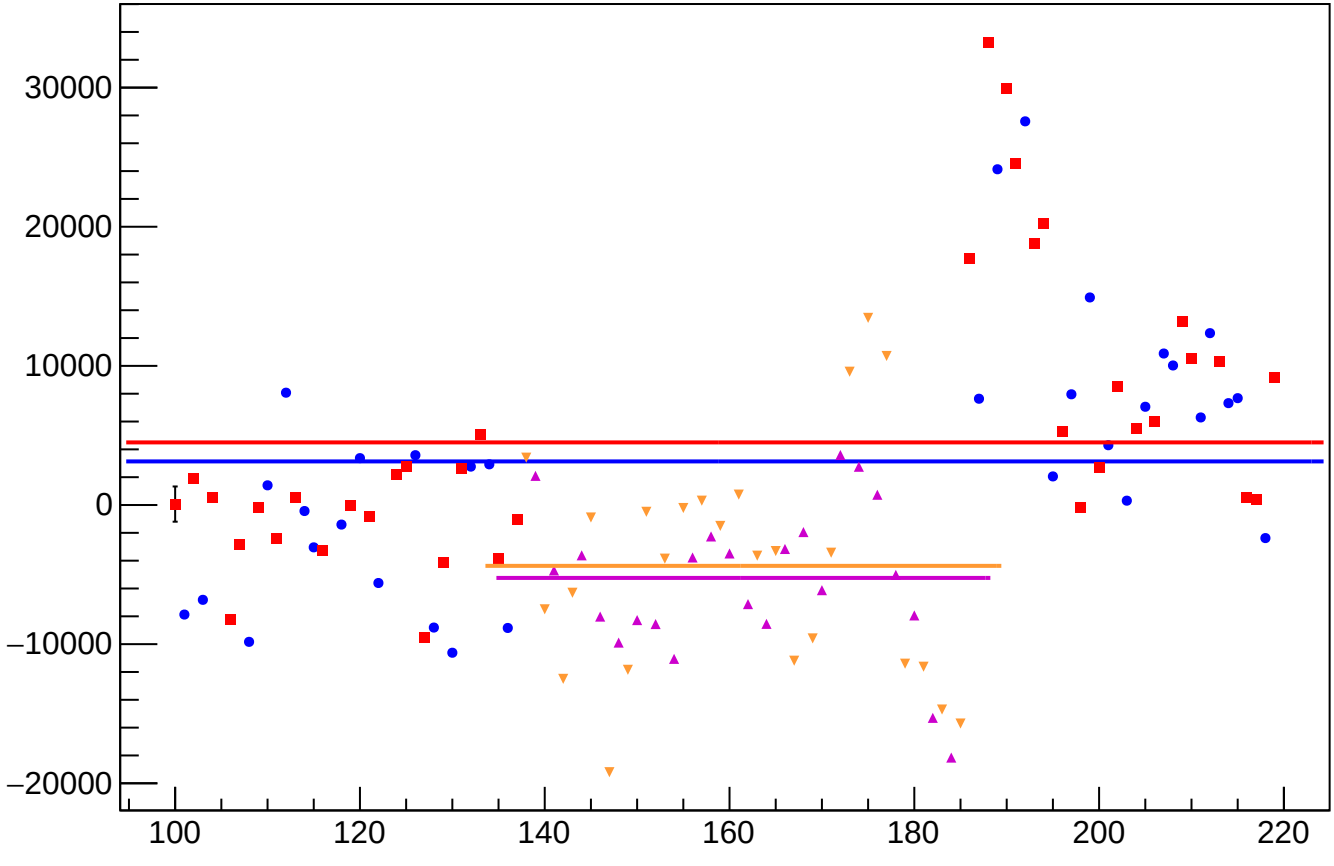
Right: 138.930+/-0.016 χ^2/NDF: 3976589.9/68

In: 136.513+/-0.016 χ^2/NDF:3300151.9/54

Out: 134.858+/-0.015 χ^2/NDF:3721086.6/61

All: 135.651+/-0.011 χ^2/NDF: 7026758.7/116

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 3133.742+/-29.185 χ^2/NDF: 93681.7/31

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: 4499.953+/-27.957 χ^2/NDF: 117613.1/36

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

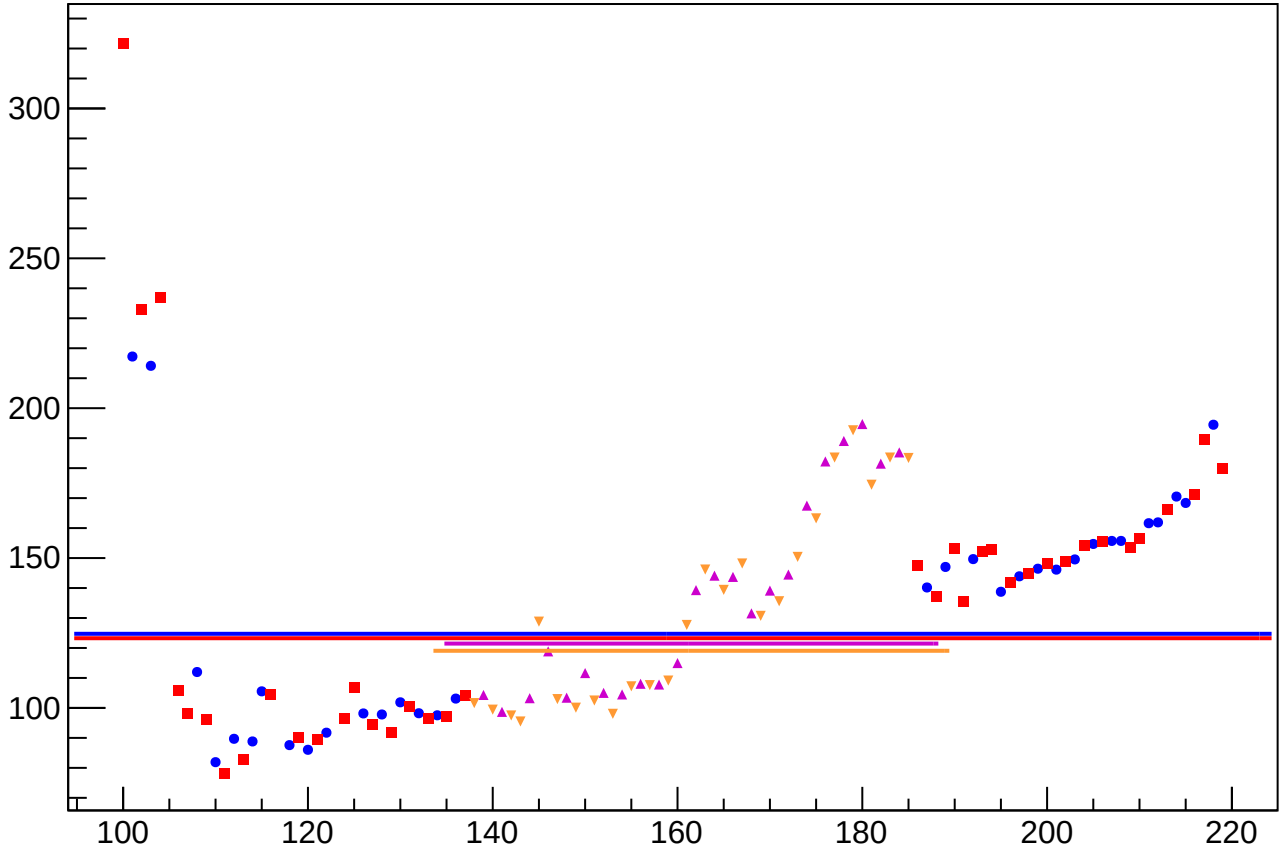
Right: 3846.191+/-20.189 χ^2/NDF: 212437.6/68

In: -1043.440+/-20.660 χ^2/NDF:157020.7/54

Out: 63.345+/-19.768 χ^2/NDF:235196.6/61

All: -465.628+/-14.283 χ^2/NDF: 393715.5/11

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 124.730+/-0.021 χ^2/NDF: 2702510.9/31

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 123.252+/-0.020 χ^2/NDF: 3129638.5/36

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

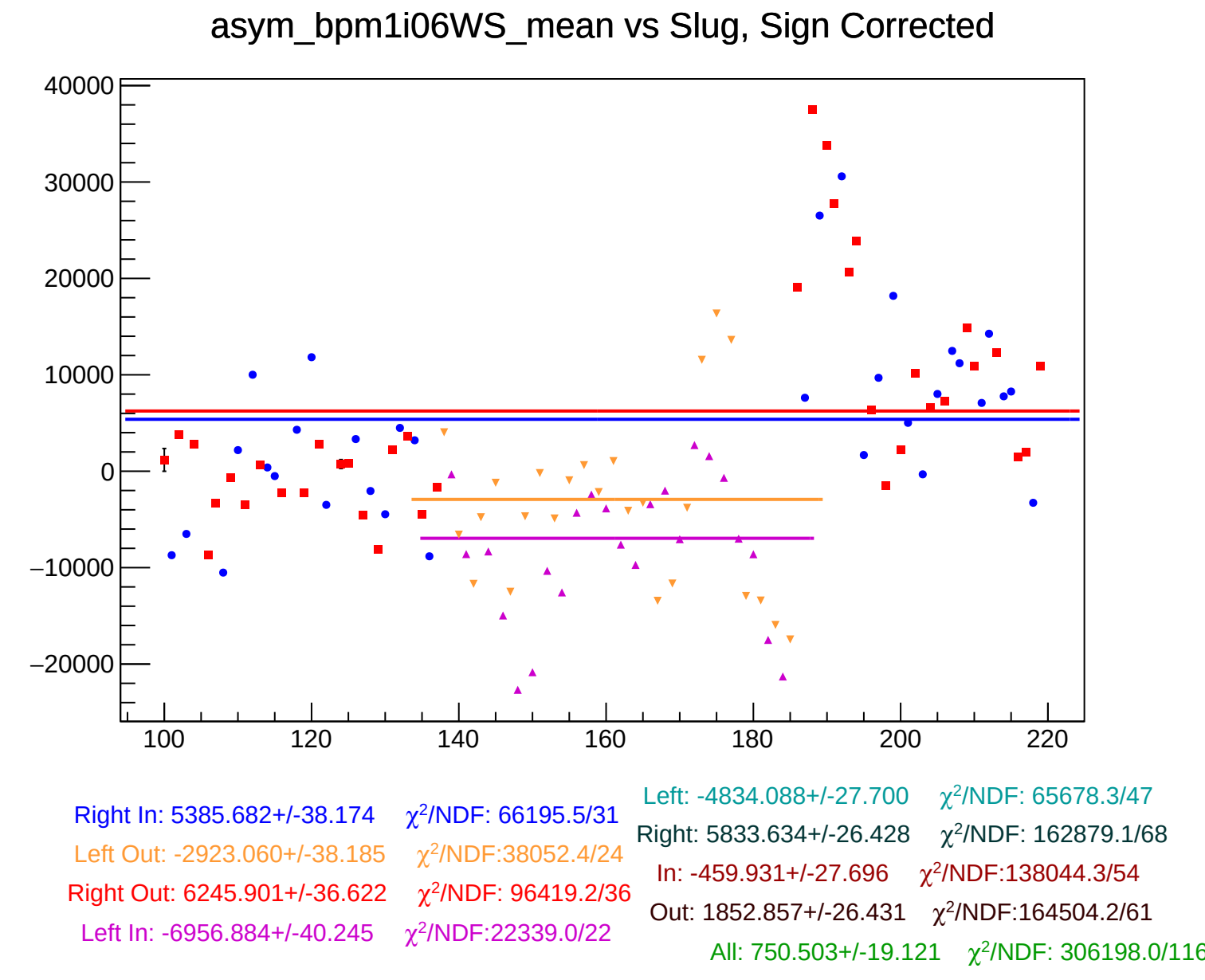
Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

Right: 123.959+/-0.014 χ^2/NDF: 5834824.1/68

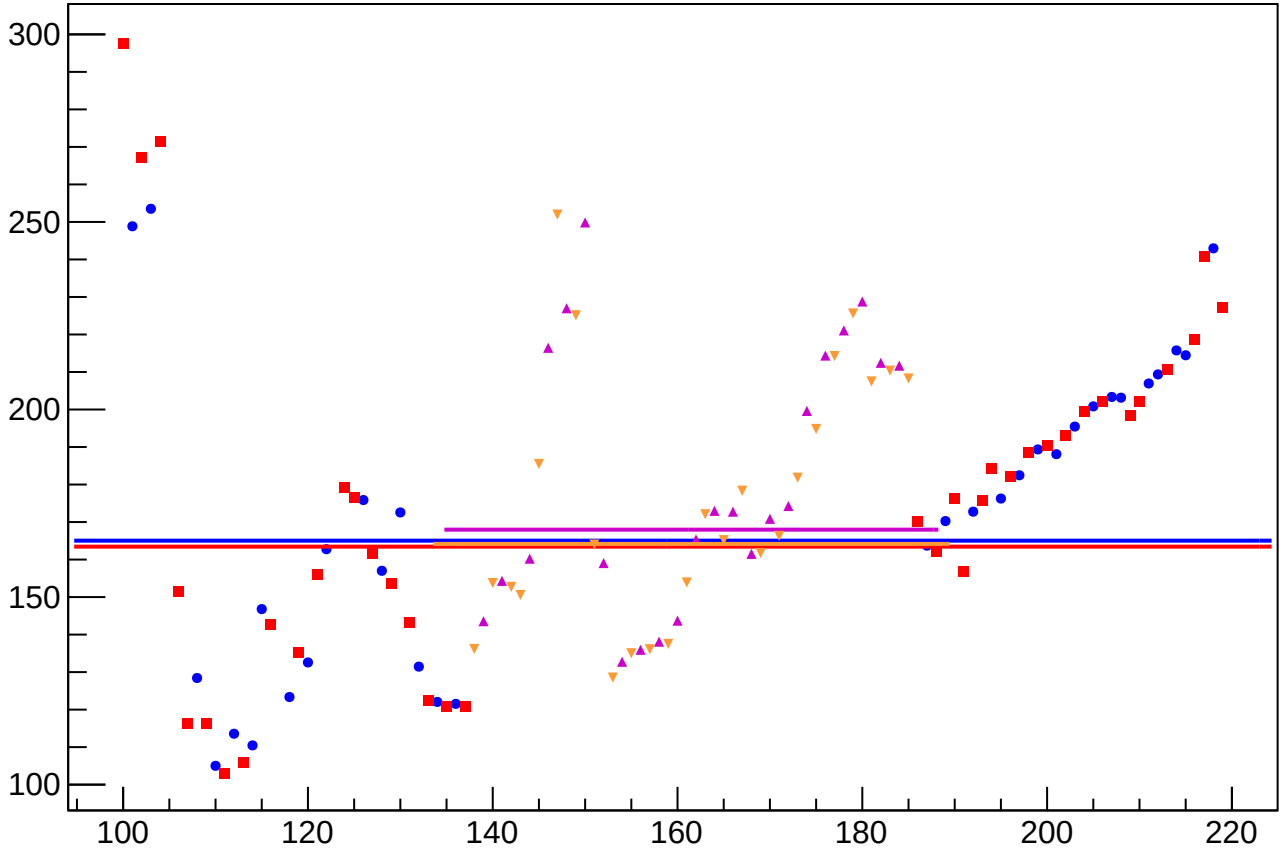
In: 123.103+/-0.015 χ^2/NDF:4244355.2/54

Out: 121.158+/-0.014 χ^2/NDF:4907506.0/61

All: 122.087+/-0.010 χ^2/NDF: 9161111.5/116


asym_bpm1i06WS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 5385.682+/-38.174 χ²/NDF: 66195.5/31
Left Out: -2923.060+/-38.185 χ²/NDF:38052.4/24
Right Out: 6245.901+/-36.622 χ²/NDF: 96419.2/36
Left In: -6956.884+/-40.245 χ²/NDF:22339.0/22
Left: -4834.088+/-27.700 χ²/NDF: 65678.3/47
Right: 5833.634+/-26.428 χ²/NDF: 162879.1/68
In: -459.931+/-27.696 χ²/NDF:138044.3/54
Out: 1852.857+/-26.431 χ²/NDF:164504.2/61
All: 750.503+/-19.121 χ²/NDF: 306198.0/116

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 165.041+/-0.027 χ^2/NDF: 2188154.6/31

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 163.446+/-0.026 χ^2/NDF: 2440322.0/36

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

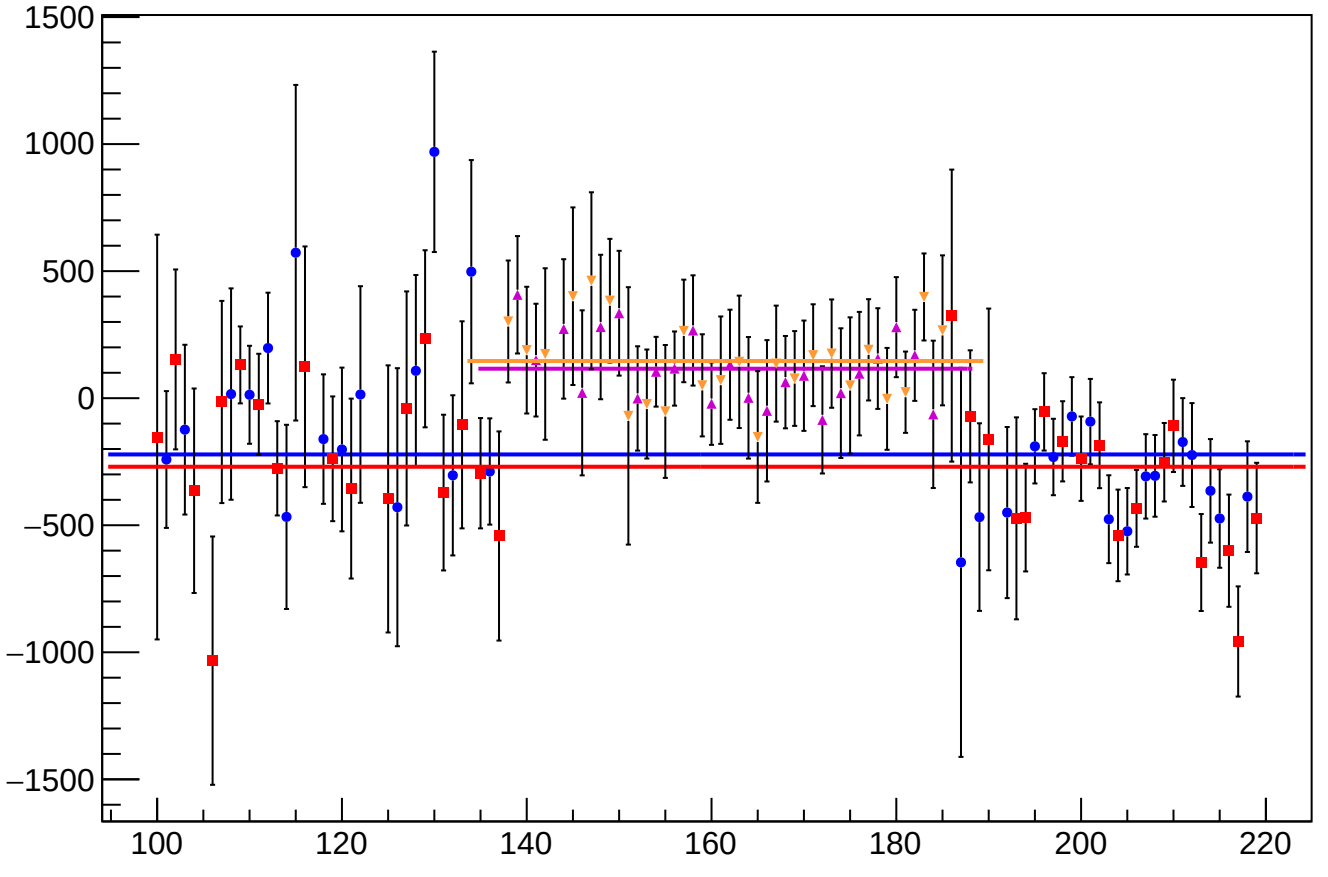
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 164.211+/-0.019 χ^2/NDF: 4630295.1/68

In: 166.431+/-0.020 χ^2/NDF:3416495.0/54

Out: 163.794+/-0.019 χ^2/NDF:3665104.4/61

All: 165.051+/-0.014 χ^2/NDF: 7091086.4/116



Right In: -221.397+/-39.836 χ^2/NDF: 32.3/31

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -269.803+/-39.055 χ^2/NDF: 43.6/34

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

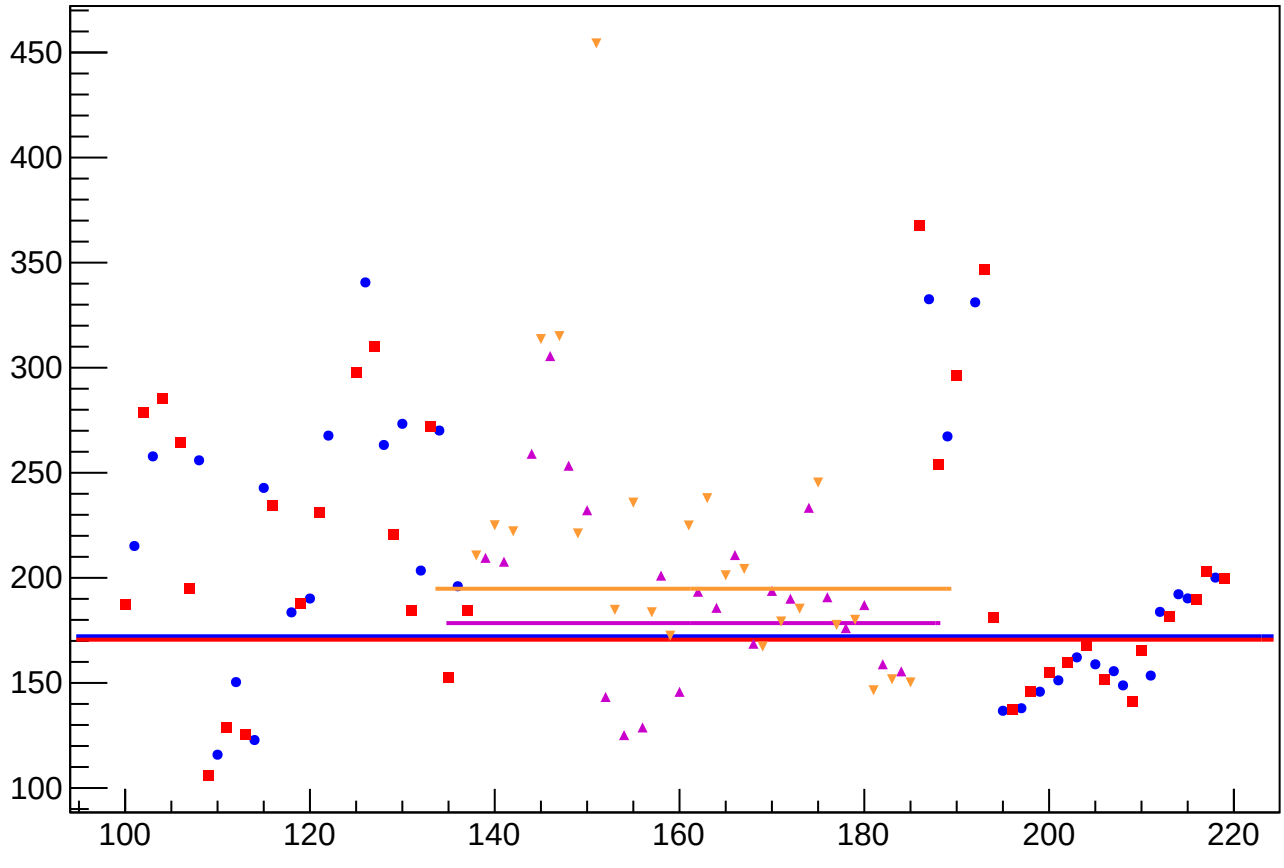
Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

Right: -246.079+/-27.888 χ^2/NDF: 76.6/66

In: -67.917+/-29.411 χ^2/NDF:72.5/54

Out: -99.515+/-30.020 χ^2/NDF:100.0/58

All: -83.392+/-21.008 χ^2/NDF: 173.1/113



Right In: 172.201+/-0.028 χ^2/NDF: 2364448.1/31

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 170.576+/-0.028 χ^2/NDF: 2929160.8/34

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

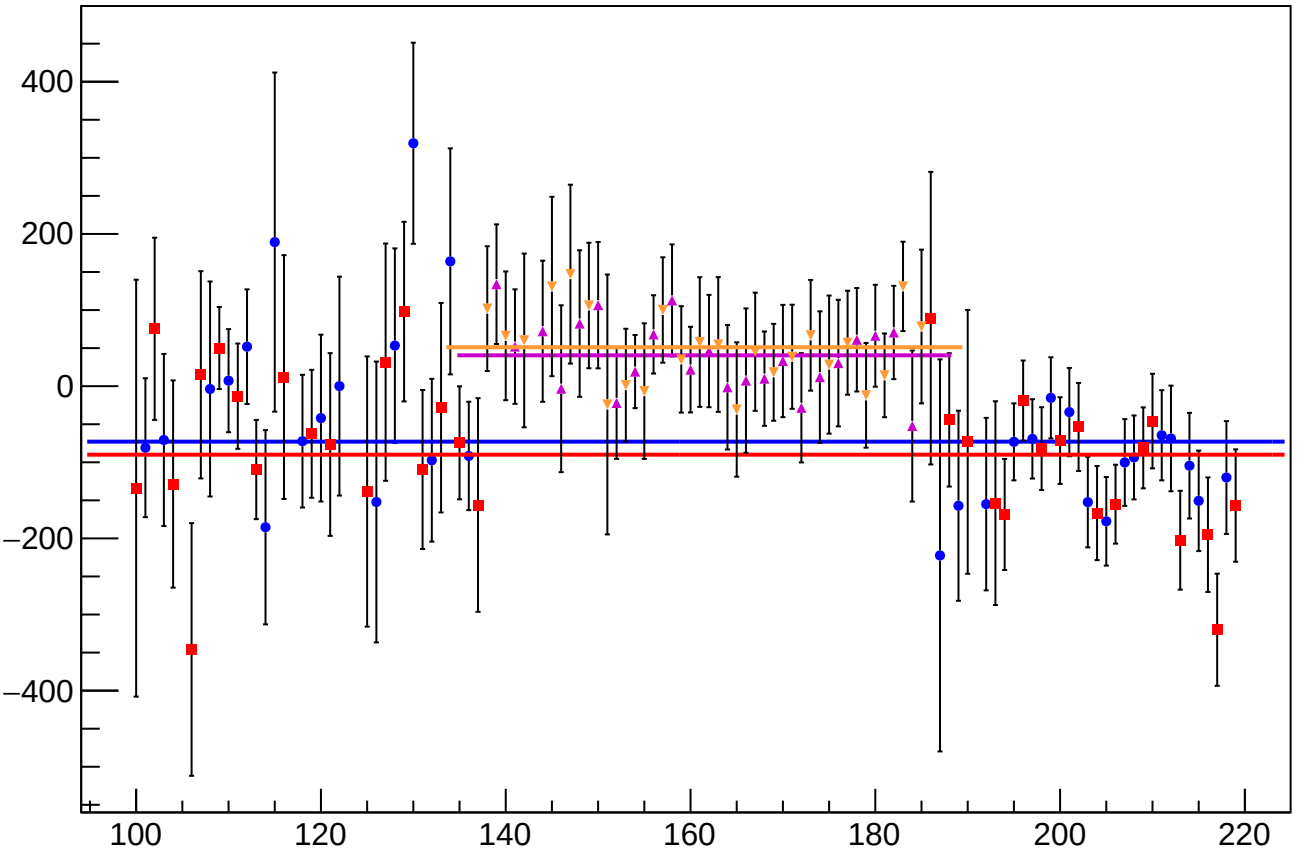
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 171.372+/-0.020 χ^2/NDF: 5295305.8/66

In: 175.055+/-0.021 χ^2/NDF:4063288.3/54

Out: 180.500+/-0.021 χ^2/NDF:4997220.1/58

All: 177.722+/-0.015 χ^2/NDF: 9094076.4/113



Right In: -72.870+/-13.662 χ^2/NDF: 29.9/31

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: -89.989+/-13.416 χ^2/NDF: 41.4/34

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

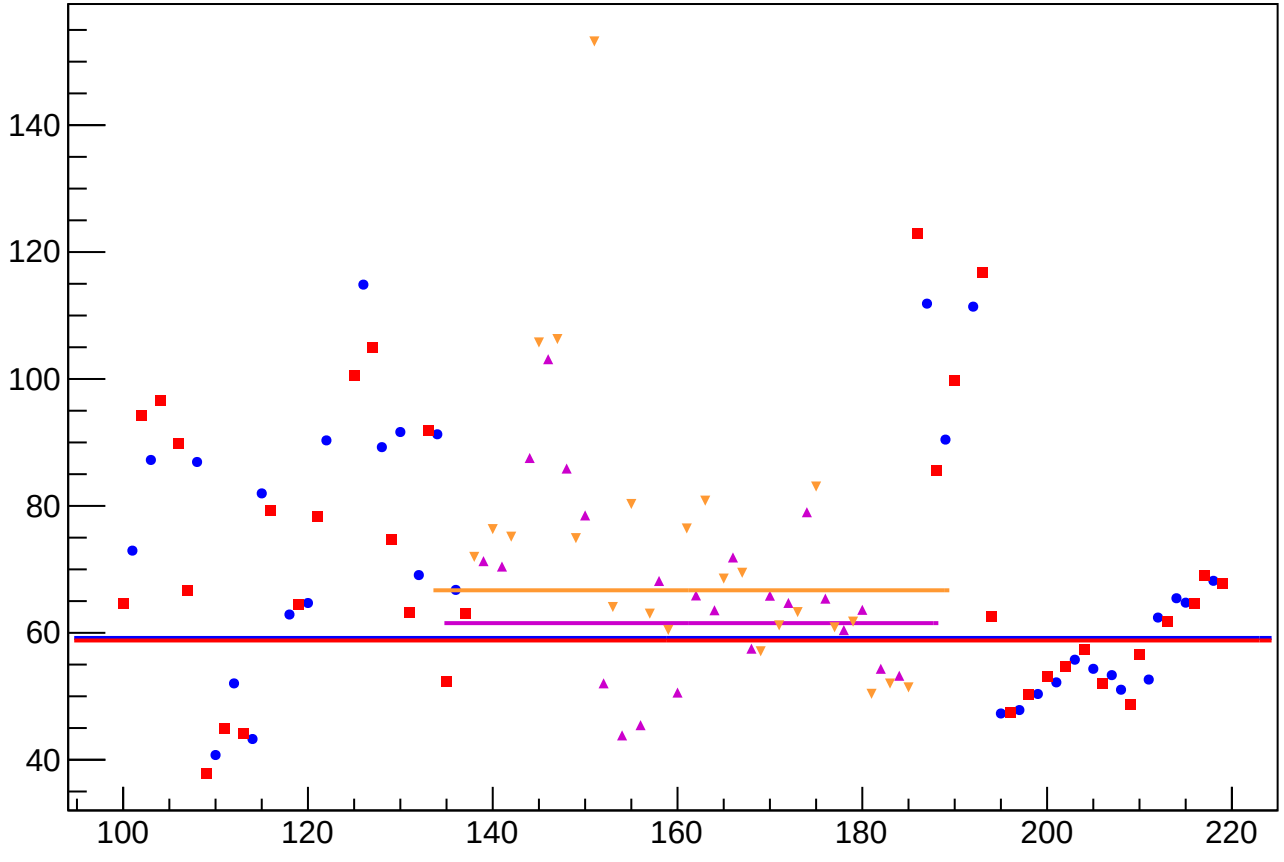
Right: -81.585+/-9.572 χ^2/NDF: 72.0/66

In: -21.366+/-10.093 χ^2/NDF:69.0/54

Out: -31.874+/-10.290 χ^2/NDF:95.1/58

All: -26.518+/-7.206 χ^2/NDF: 164.6/113

asym_bcm_2an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 59.193+/-0.010 χ^2/NDF: 2211001.9/31

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 58.798+/-0.009 χ^2/NDF: 2714046.1/34

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

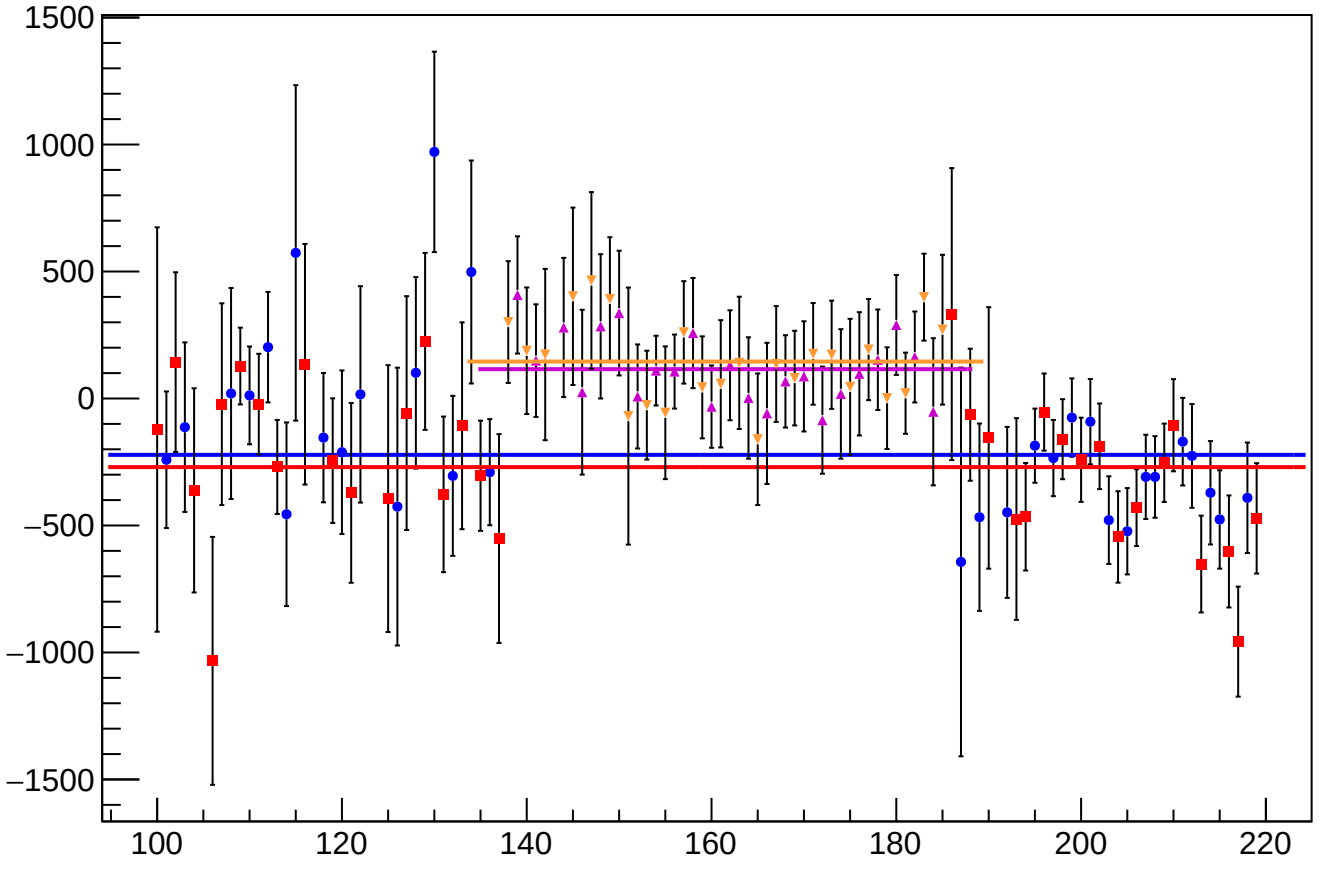
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 58.992+/-0.007 χ^2/NDF: 4925899.3/66

In: 60.254+/-0.007 χ^2/NDF:3727391.3/54

Out: 62.053+/-0.007 χ^2/NDF:4676216.1/58

All: 61.136+/-0.005 χ^2/NDF: 8434757.3/113



Right In: -221.854+/-39.786 χ^2/NDF: 32.5/31

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: -270.151+/-39.007 χ^2/NDF: 43.8/34

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

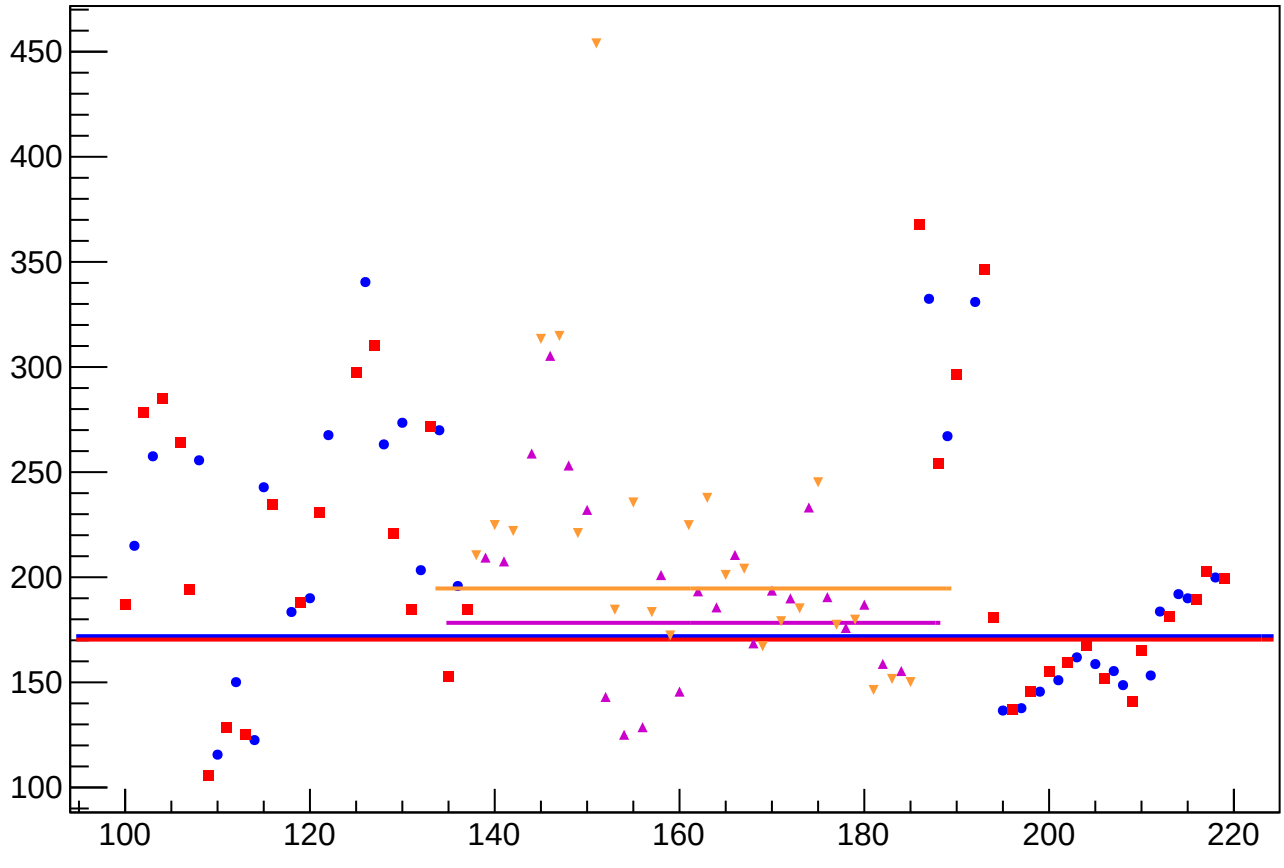
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -246.480+/-27.853 χ^2/NDF: 77.1/66

In: -68.458+/-29.379 χ^2/NDF:73.0/54

Out: -100.160+/-29.987 χ^2/NDF:100.5/58

All: -83.985+/-20.986 χ^2/NDF: 174.1/113



Right In: 171.968+/-0.028 χ^2/NDF: 2371091.2/31

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 170.342+/-0.028 χ^2/NDF: 2937931.6/34

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

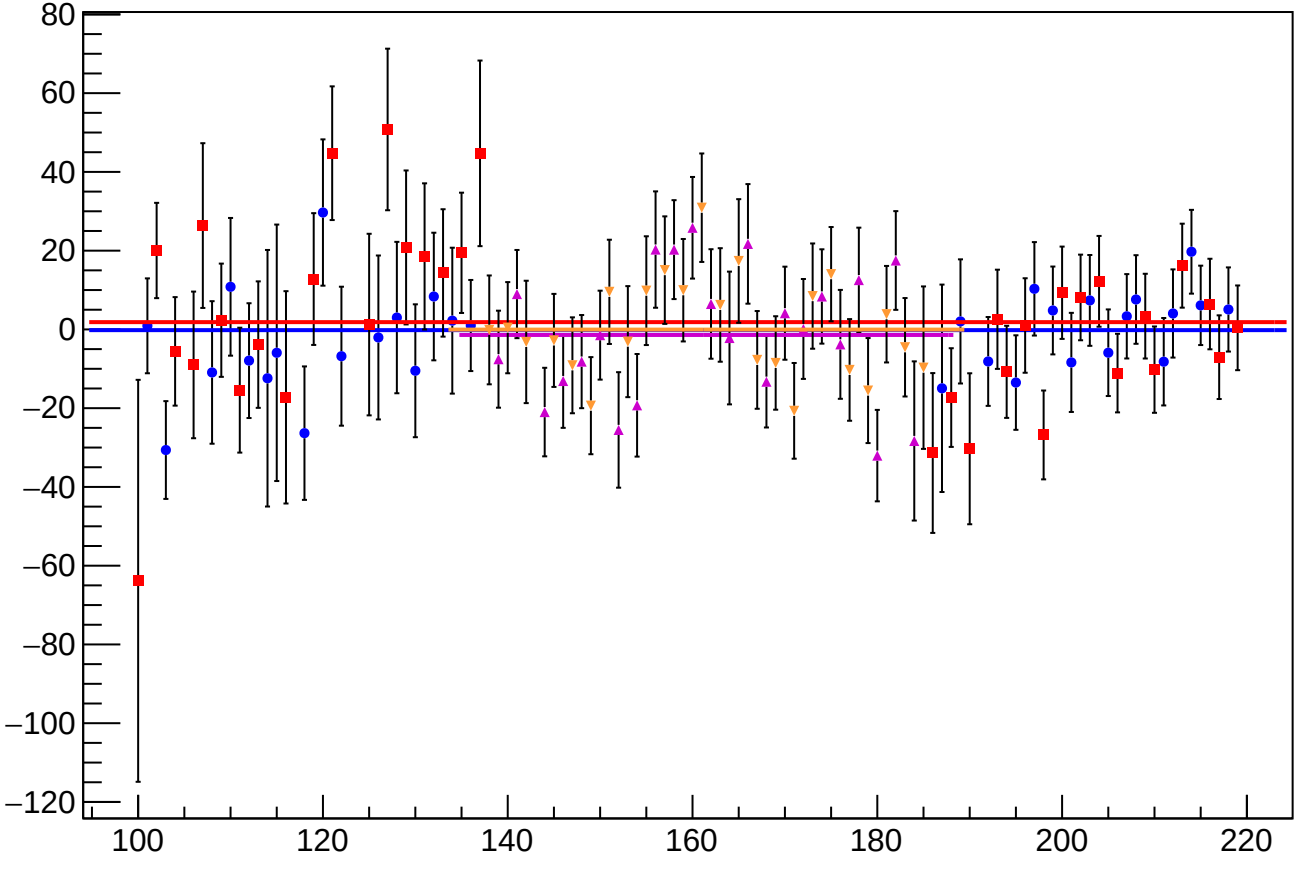
Right: 171.139+/-0.020 χ^2/NDF: 5310726.2/66

In: 174.855+/-0.021 χ^2/NDF:4072594.6/54

Out: 180.288+/-0.021 χ^2/NDF:5008966.6/58

All: 177.516+/-0.015 χ^2/NDF: 9115049.8/113

asym_bcm_an_us_an_ds_dd_mean vs Slug, Sign Corrected



Right In: -0.182+/-2.382 χ^2/NDF: 22.6/31

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 1.851+/-2.341 χ^2/NDF: 49.8/34

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

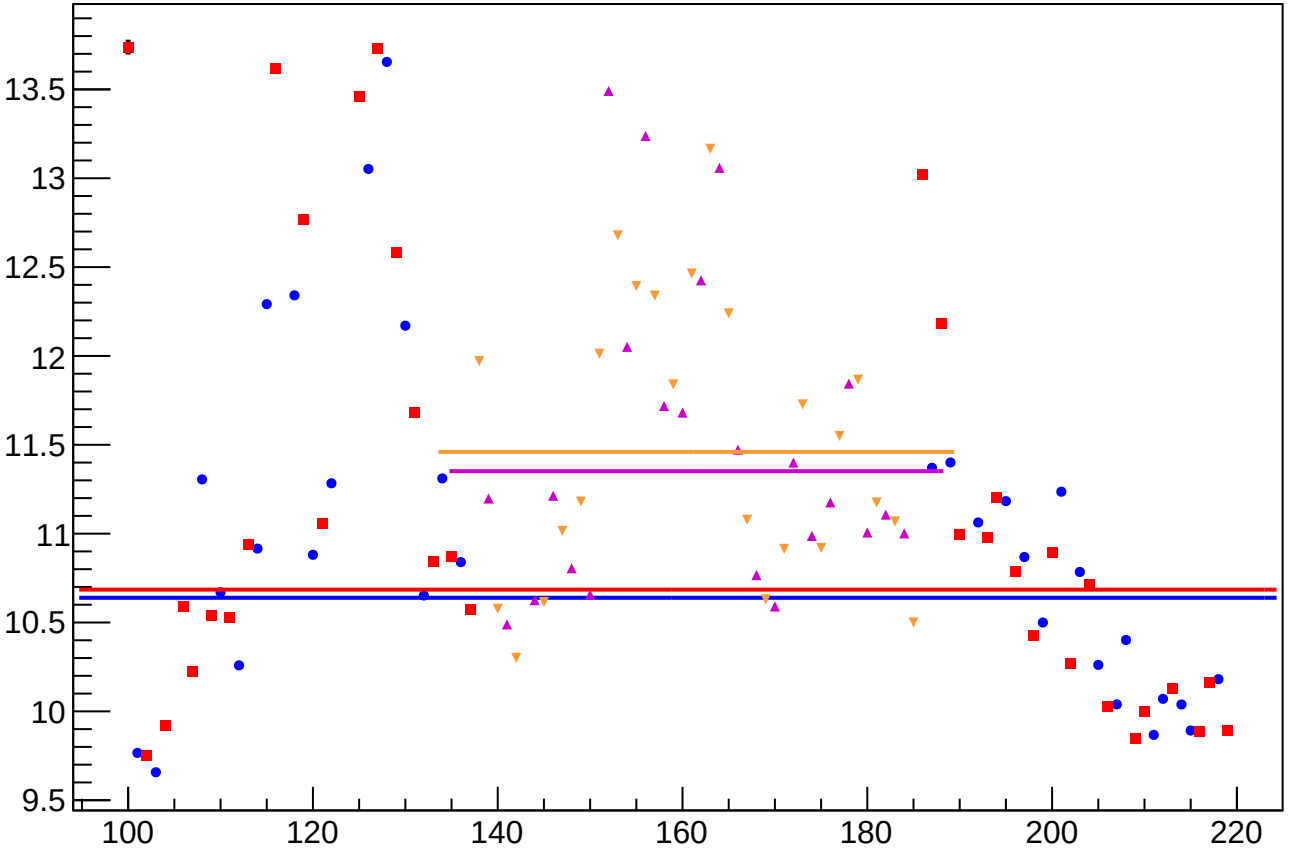
Right: 0.852+/-1.670 χ^2/NDF: 72.8/66

In: -0.724+/-1.779 χ^2/NDF:59.0/54

Out: 1.031+/-1.764 χ^2/NDF:70.6/58

All: 0.161+/-1.253 χ^2/NDF: 130.1/113

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.639+/-0.002 χ^2/NDF: 215720.5/31

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 10.685+/-0.002 χ^2/NDF: 306057.9/34

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

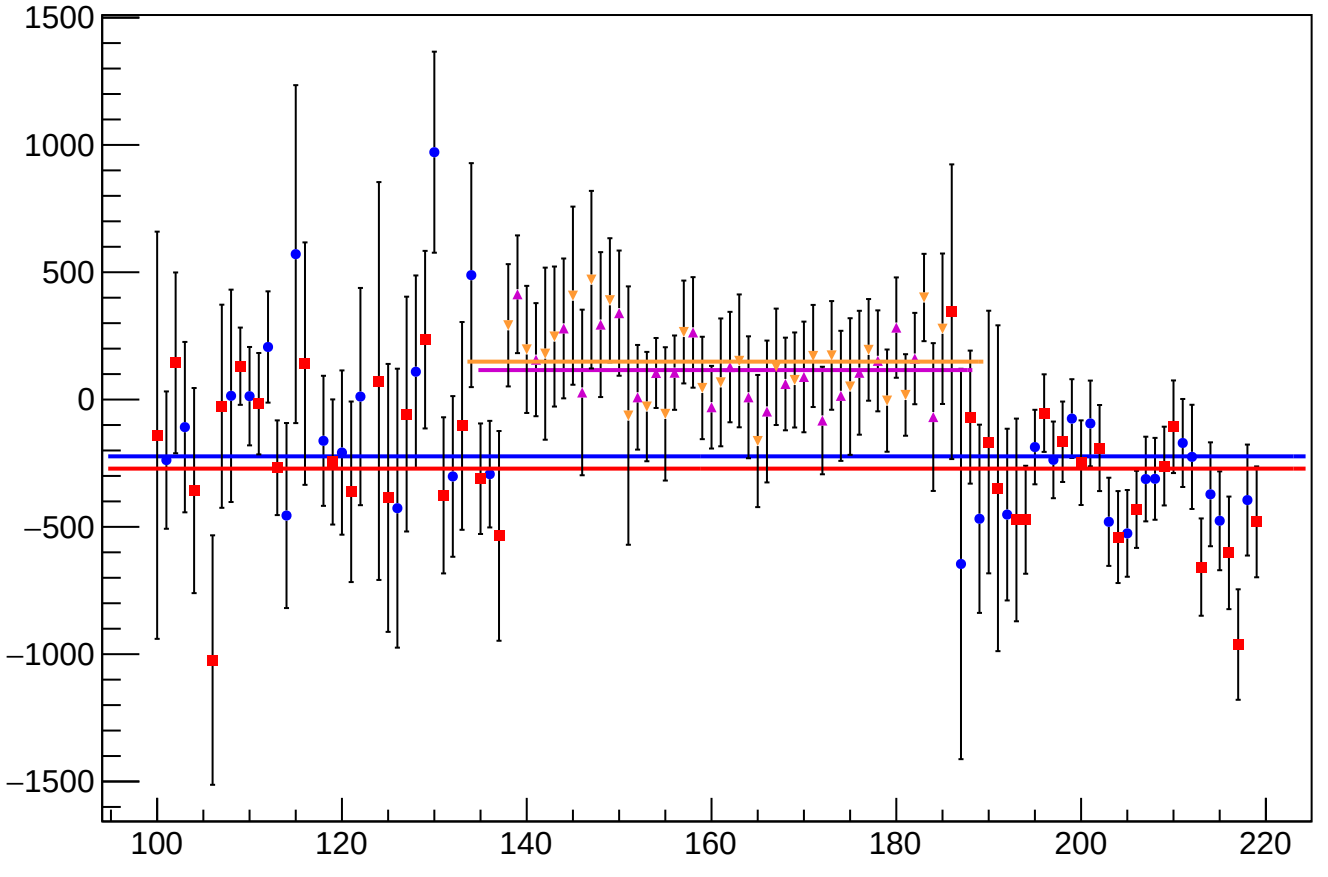
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 10.662+/-0.001 χ^2/NDF: 522154.1/66

In: 10.954+/-0.001 χ^2/NDF:465476.4/54

Out: 11.020+/-0.001 χ^2/NDF:551204.8/58

All: 10.987+/-0.001 χ^2/NDF: 1018037.1/113



Right In: -223.061+/-39.885 χ^2/NDF: 32.5/31

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -271.248+/-38.988 χ^2/NDF: 44.2/36

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

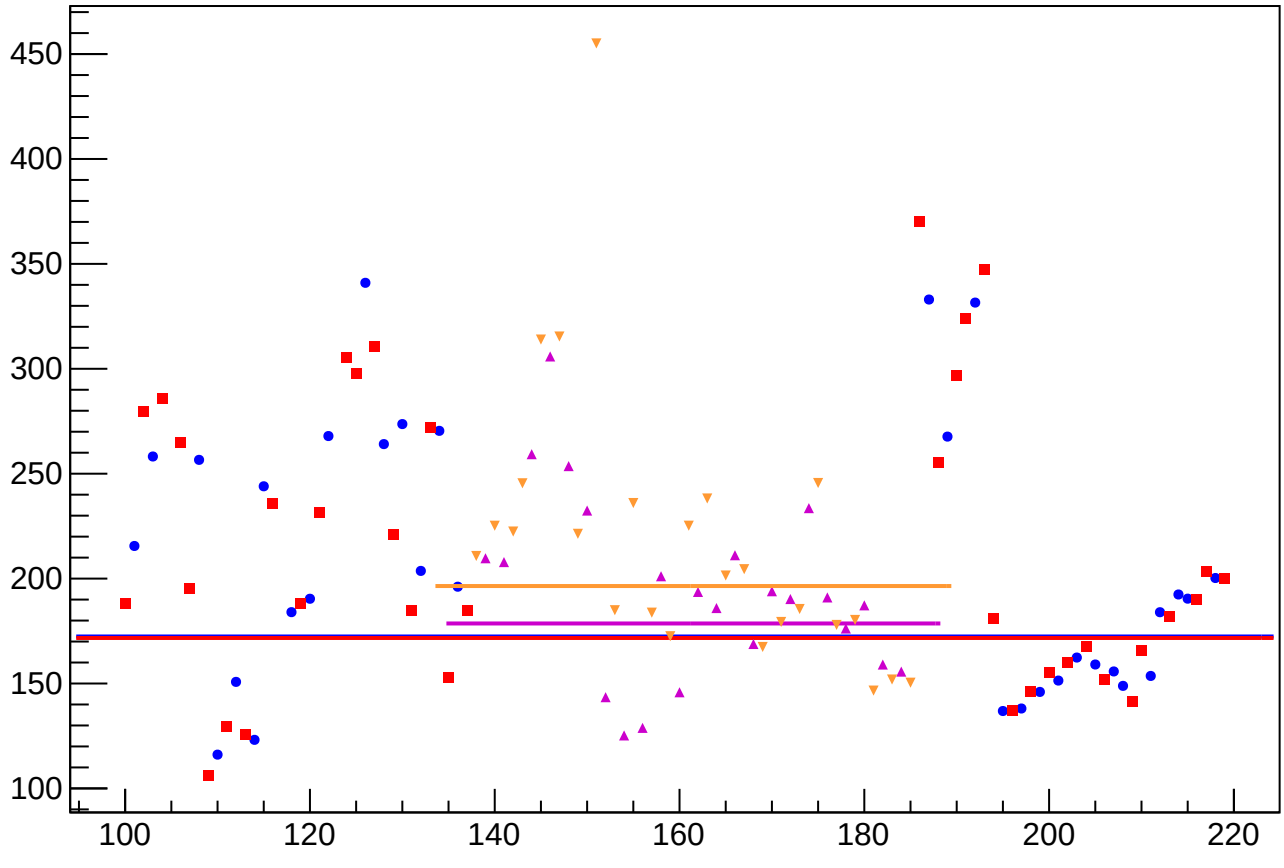
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -247.702+/-27.880 χ^2/NDF: 77.5/68

In: -68.879+/-29.441 χ^2/NDF:73.2/54

Out: -96.956+/-29.825 χ^2/NDF:102.9/61

All: -82.736+/-20.952 χ^2/NDF: 176.5/116



Right In: 172.407+/-0.028 χ^2/NDF: 2366105.2/31

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 171.702+/-0.028 χ^2/NDF: 3107446.0/36

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

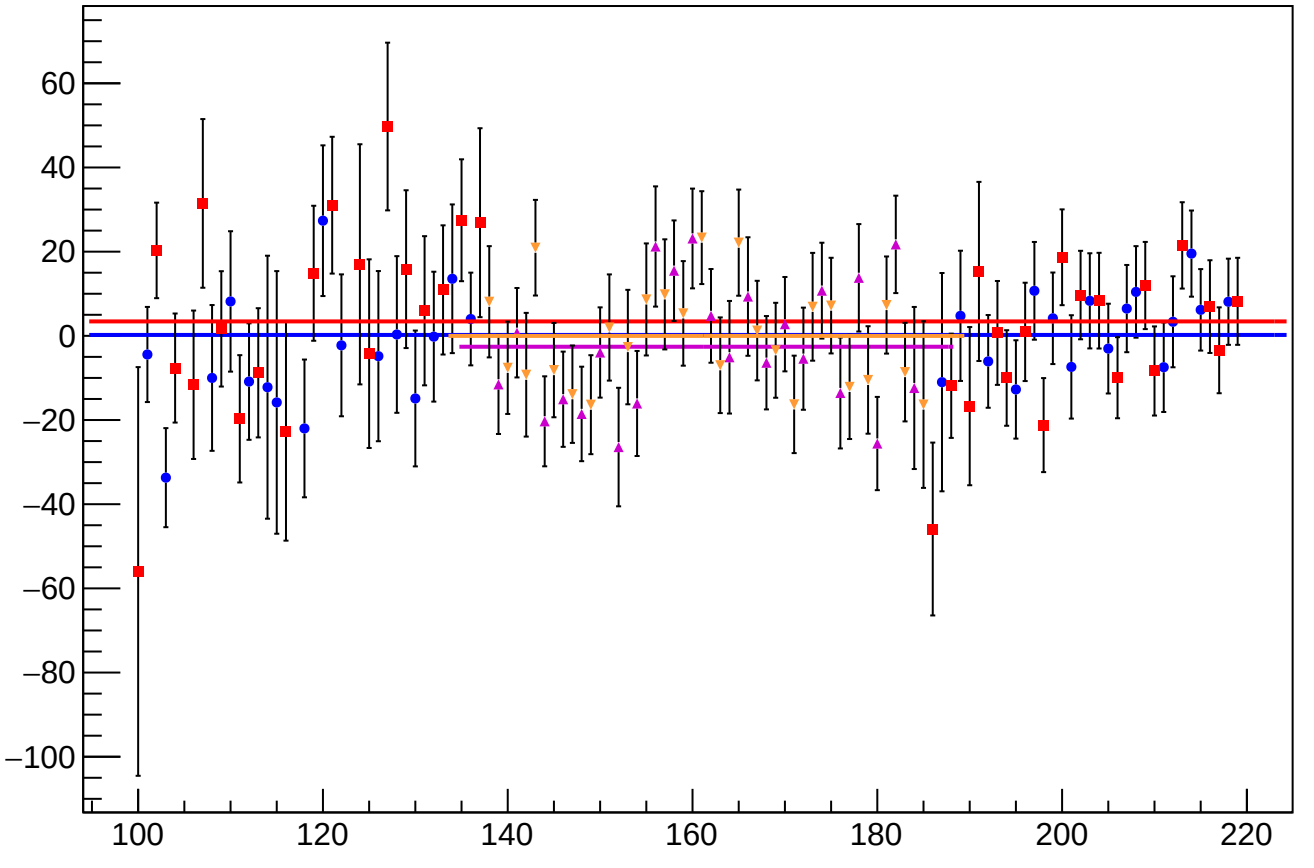
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 172.047+/-0.020 χ^2/NDF: 5473870.1/68

In: 175.232+/-0.021 χ^2/NDF:4067011.2/54

Out: 181.970+/-0.021 χ^2/NDF:5260579.6/61

All: 178.557+/-0.015 χ^2/NDF: 9379297.7/116



Right In: 0.214+/-2.296 χ^2/NDF: 26.1/31

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.428+/-2.238 χ^2/NDF: 50.0/36

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

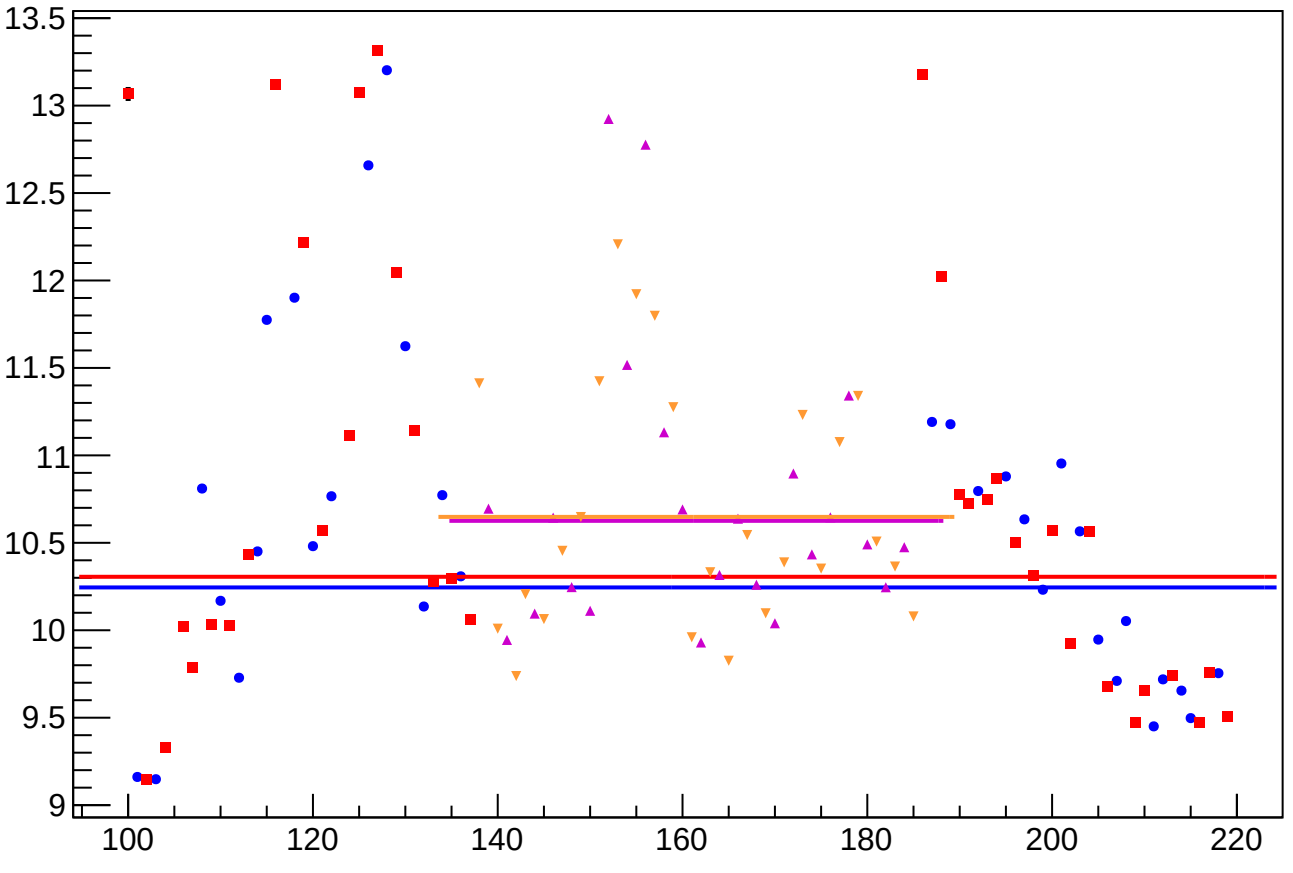
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 1.862+/-1.603 χ^2/NDF: 77.0/68

In: -1.066+/-1.693 χ^2/NDF:61.5/54

Out: 1.857+/-1.651 χ^2/NDF:74.8/61

All: 0.432+/-1.182 χ^2/NDF: 137.8/116



Right In: 10.245+/-0.002 χ^2/NDF: 241862.1/31

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.306+/-0.002 χ^2/NDF: 351007.5/36

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

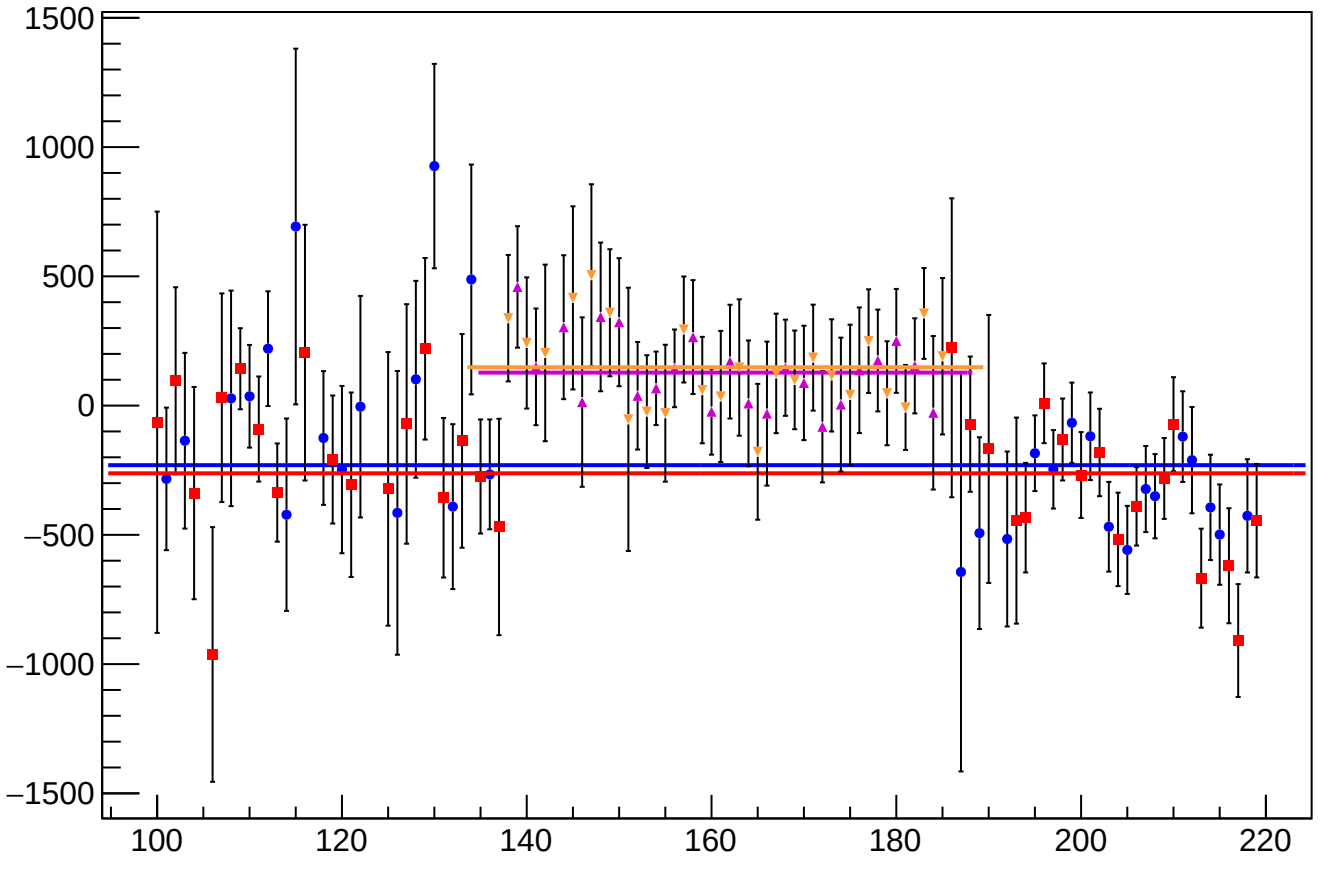
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.276+/-0.001 χ^2/NDF: 593590.6/68

In: 10.419+/-0.001 χ^2/NDF:426514.6/54

Out: 10.462+/-0.001 χ^2/NDF:515896.7/61

All: 10.441+/-0.001 χ^2/NDF: 943082.4/116



Right In: -230.479+/-40.193 χ^2/NDF: 34.6/31

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -261.932+/-39.458 χ^2/NDF: 41.1/34

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

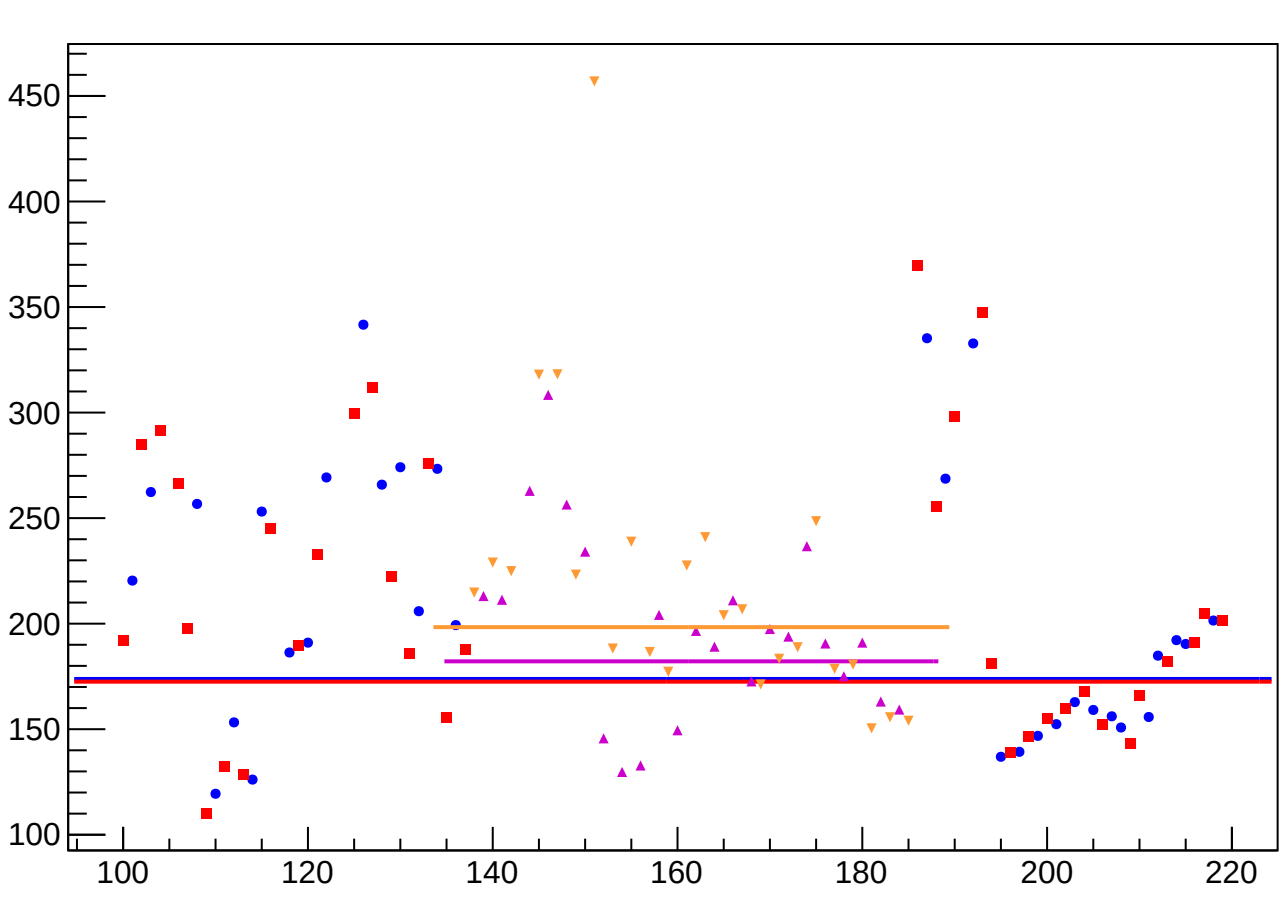
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -246.496+/-28.157 χ^2/NDF: 76.0/66

In: -69.259+/-29.805 χ^2/NDF:78.2/54

Out: -95.292+/-30.409 χ^2/NDF:94.9/58

All: -82.015+/-21.286 χ^2/NDF: 173.5/113



Right In: 173.804+/-0.028 χ^2/NDF: 2347149.8/31

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 172.518+/-0.028 χ^2/NDF: 2866746.7/34

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

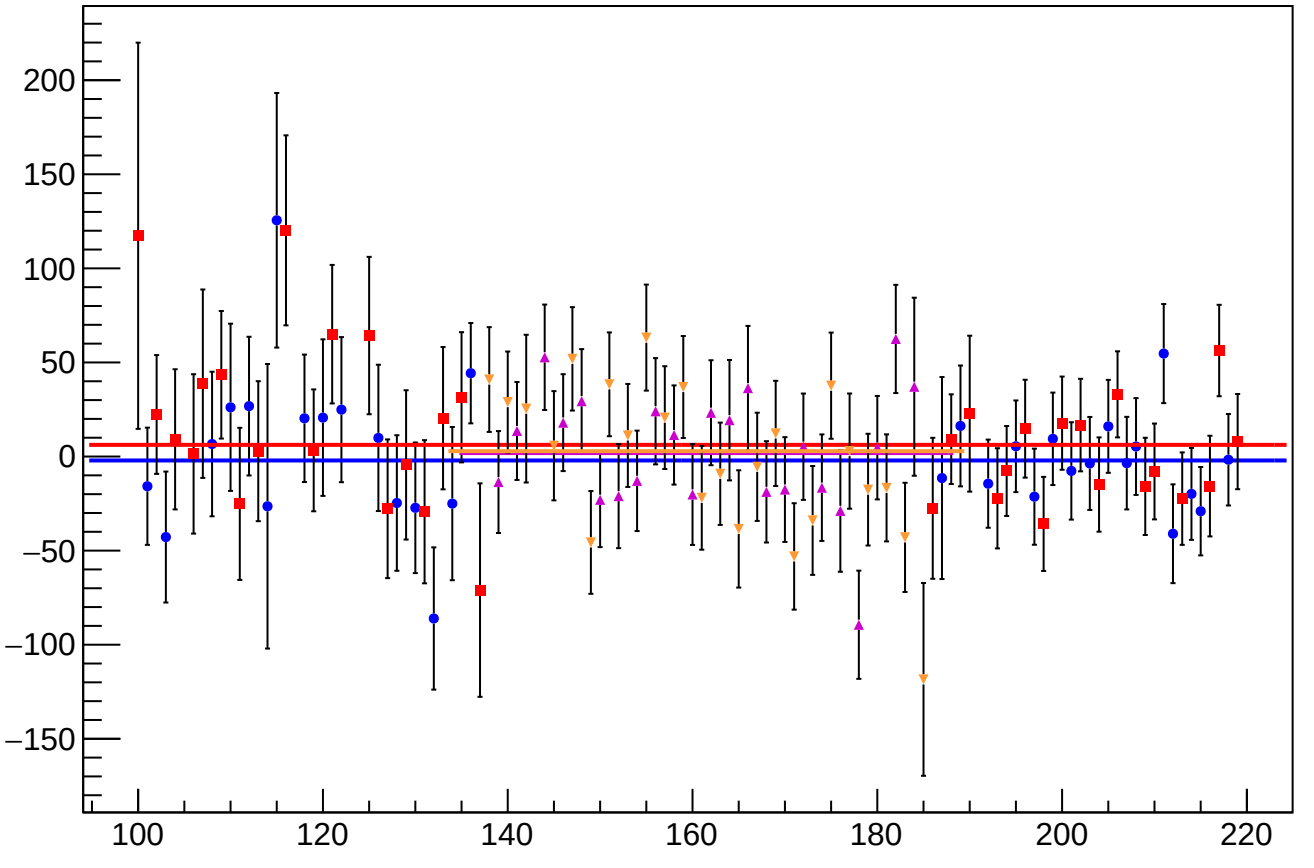
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 173.149+/-0.020 χ^2/NDF: 5214938.9/66

In: 177.561+/-0.021 χ^2/NDF:3970321.6/54

Out: 183.008+/-0.022 χ^2/NDF:4911906.7/58

All: 180.230+/-0.015 χ^2/NDF: 8914964.4/113



Right In: -2.090+/-5.323 χ^2/NDF: 27.7/31

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 6.205+/-5.200 χ^2/NDF: 32.8/34

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

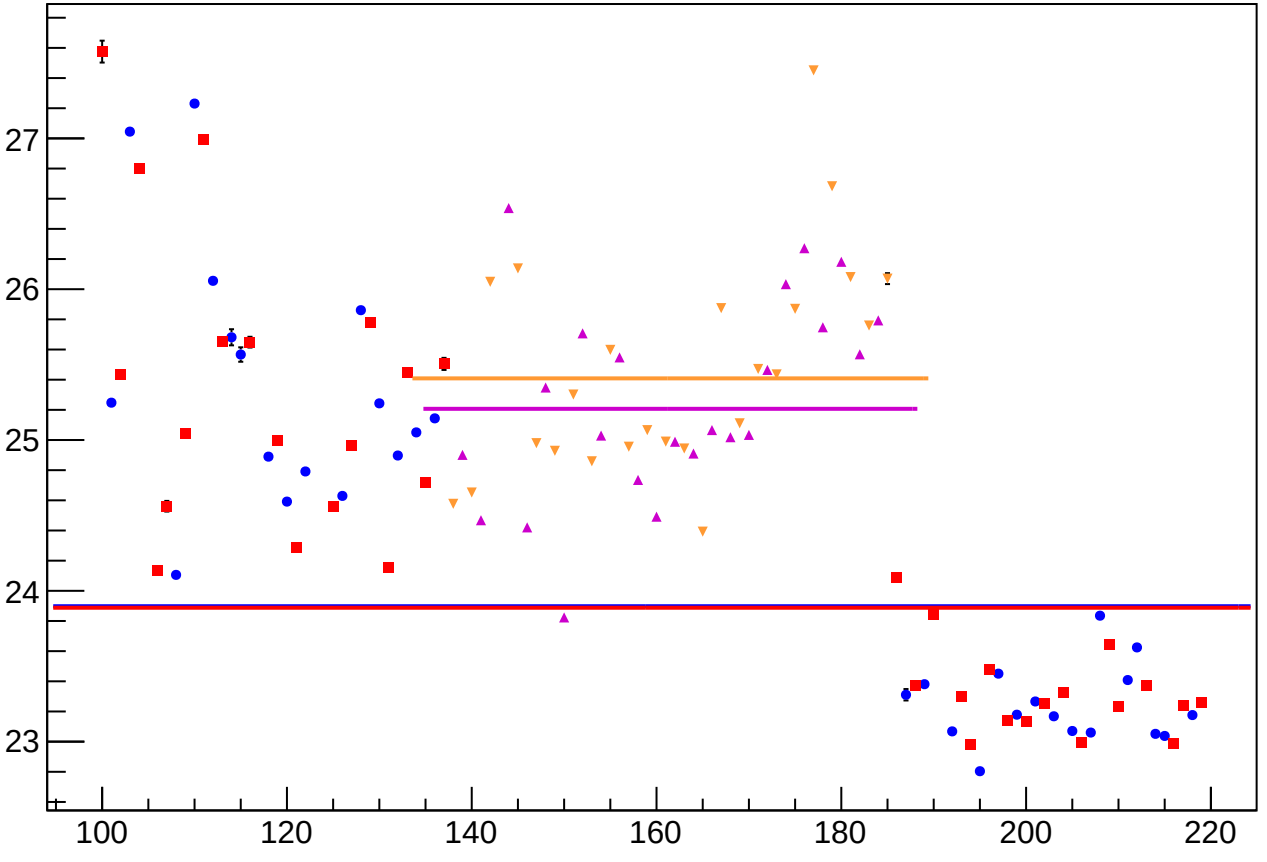
Right: 2.155+/-3.720 χ^2/NDF: 61.8/66

In: -0.319+/-3.950 χ^2/NDF:56.0/54

Out: 4.740+/-3.902 χ^2/NDF:69.9/58

All: 2.241+/-2.776 χ^2/NDF: 126.8/113

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 23.898+/-0.004 χ^2/NDF: 85870.3/31

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 23.888+/-0.004 χ^2/NDF: 78410.4/34

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

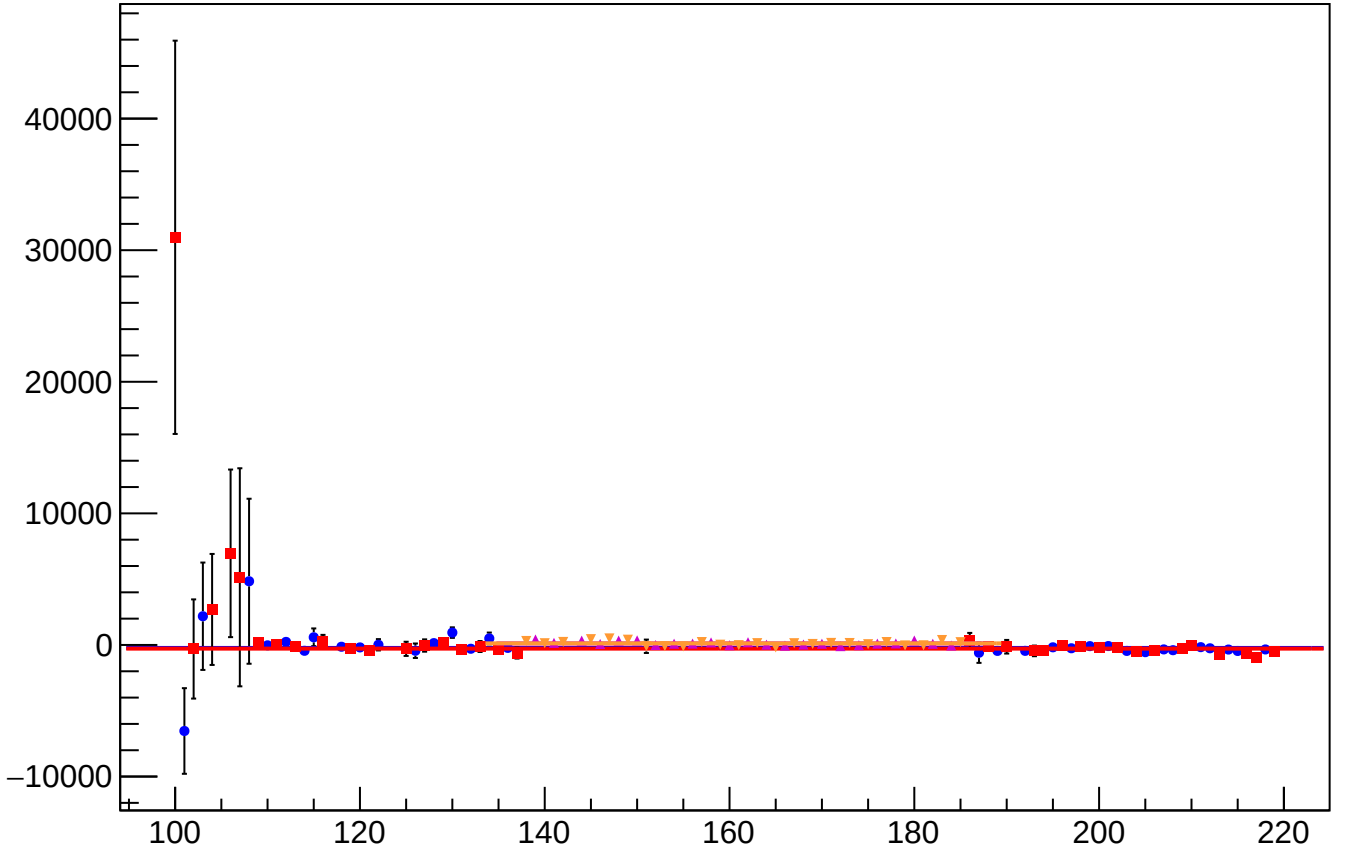
Right: 23.893+/-0.003 χ^2/NDF: 164284.2/66

In: 24.486+/-0.003 χ^2/NDF:166031.0/54

Out: 24.552+/-0.003 χ^2/NDF:180001.0/58

All: 24.520+/-0.002 χ^2/NDF: 346316.3/113

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -227.501+/-41.691 χ^2/NDF: 35.9/31

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -277.772+/-41.370 χ^2/NDF: 47.2/34

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

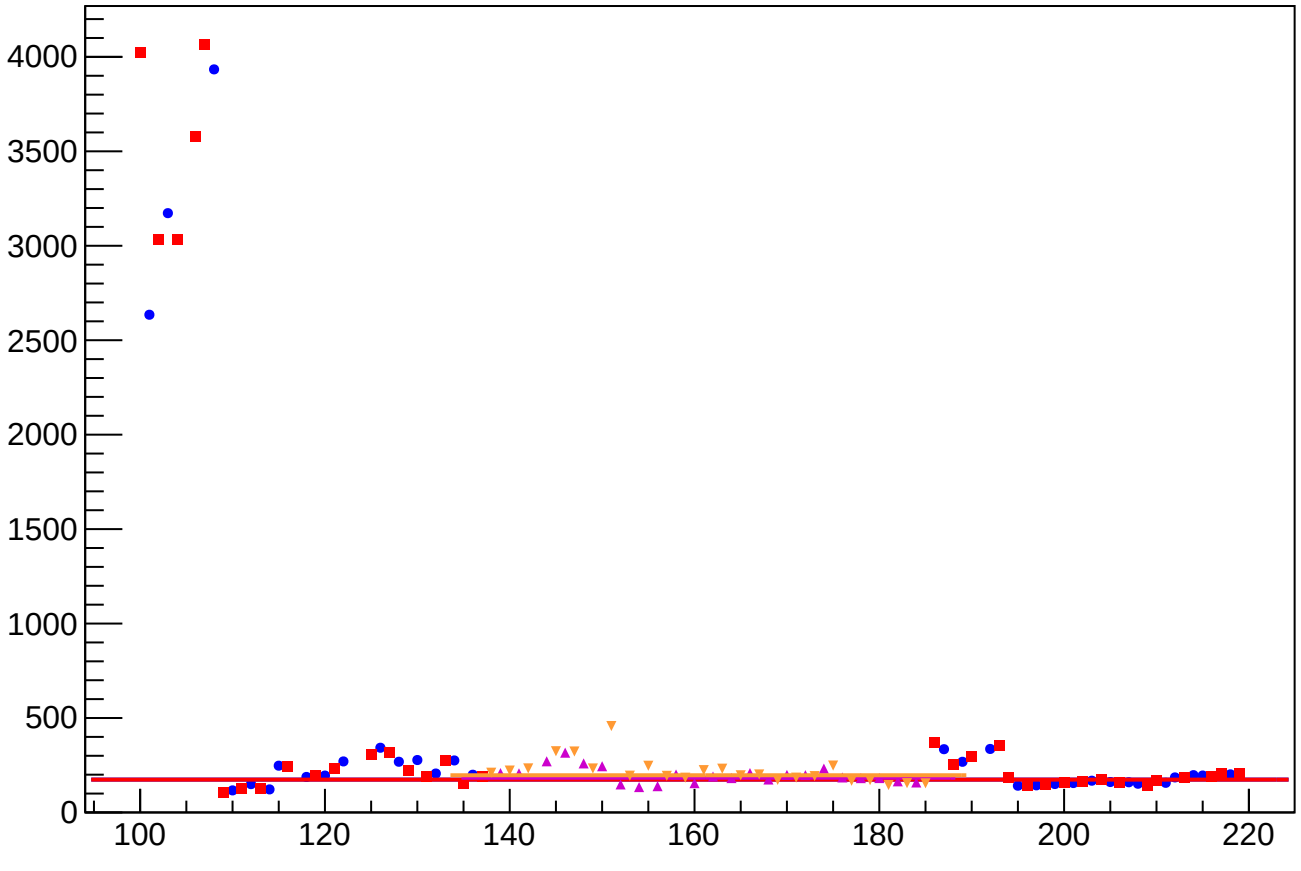
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -252.831+/-29.366 χ^2/NDF: 83.8/66

In: -67.918+/-30.515 χ^2/NDF:75.9/54

Out: -105.854+/-31.179 χ^2/NDF:99.1/58

All: -86.478+/-21.809 χ^2/NDF: 175.7/113



Right In: 174.010+/-0.029 χ^2/NDF: 4983632.2/31

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 173.722+/-0.029 χ^2/NDF: 5544659.3/34

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

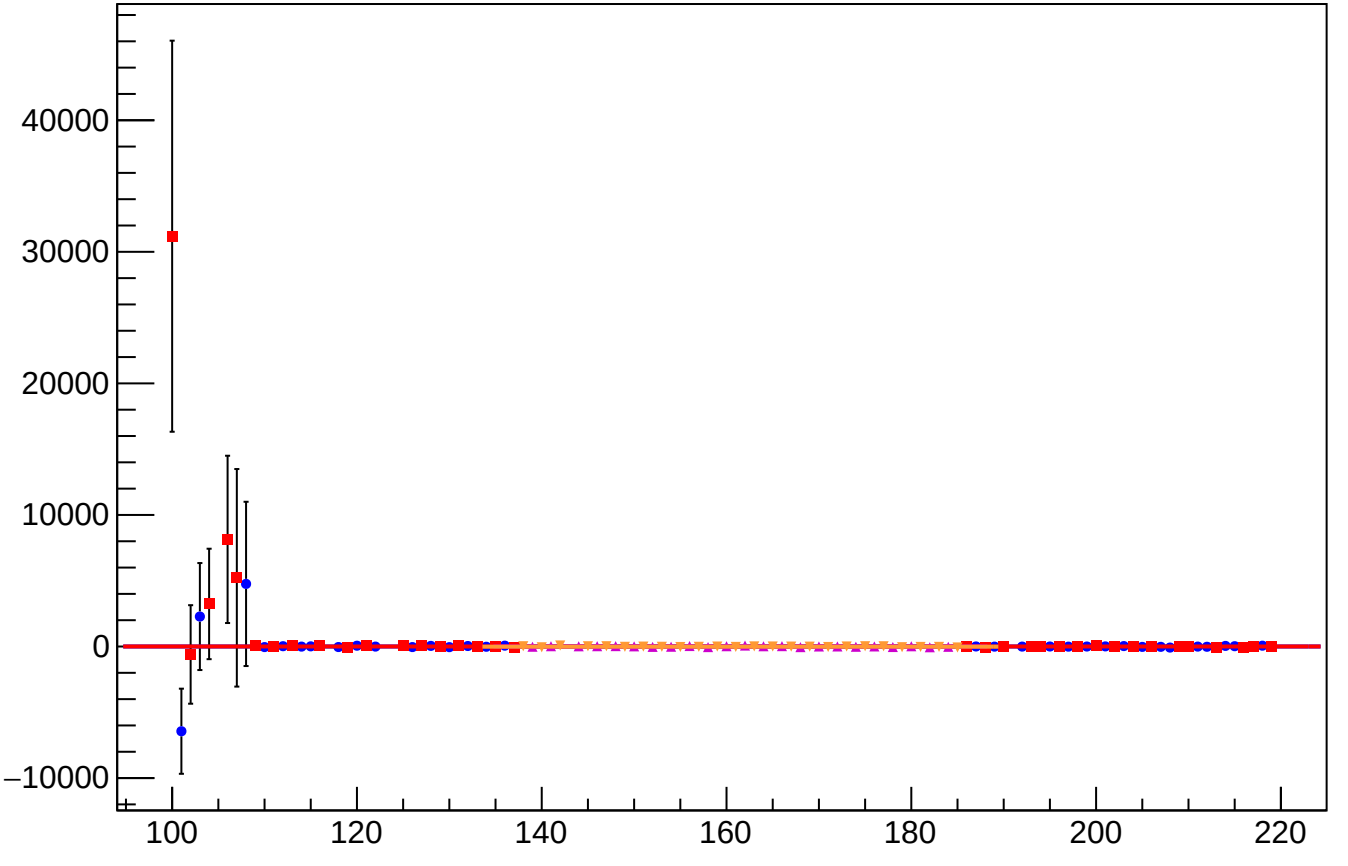
Right: 173.865+/-0.021 χ^2/NDF: 10528339.8/66

In: 178.672+/-0.022 χ^2/NDF:6482912.6/54

Out: 183.749+/-0.022 χ^2/NDF:7625943.4/58

All: 181.156+/-0.015 χ^2/NDF: 14135944.5/1

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: 1.777+/-6.318 χ^2/NDF: 38.2/31

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 2.645+/-6.269 χ^2/NDF: 40.9/34

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

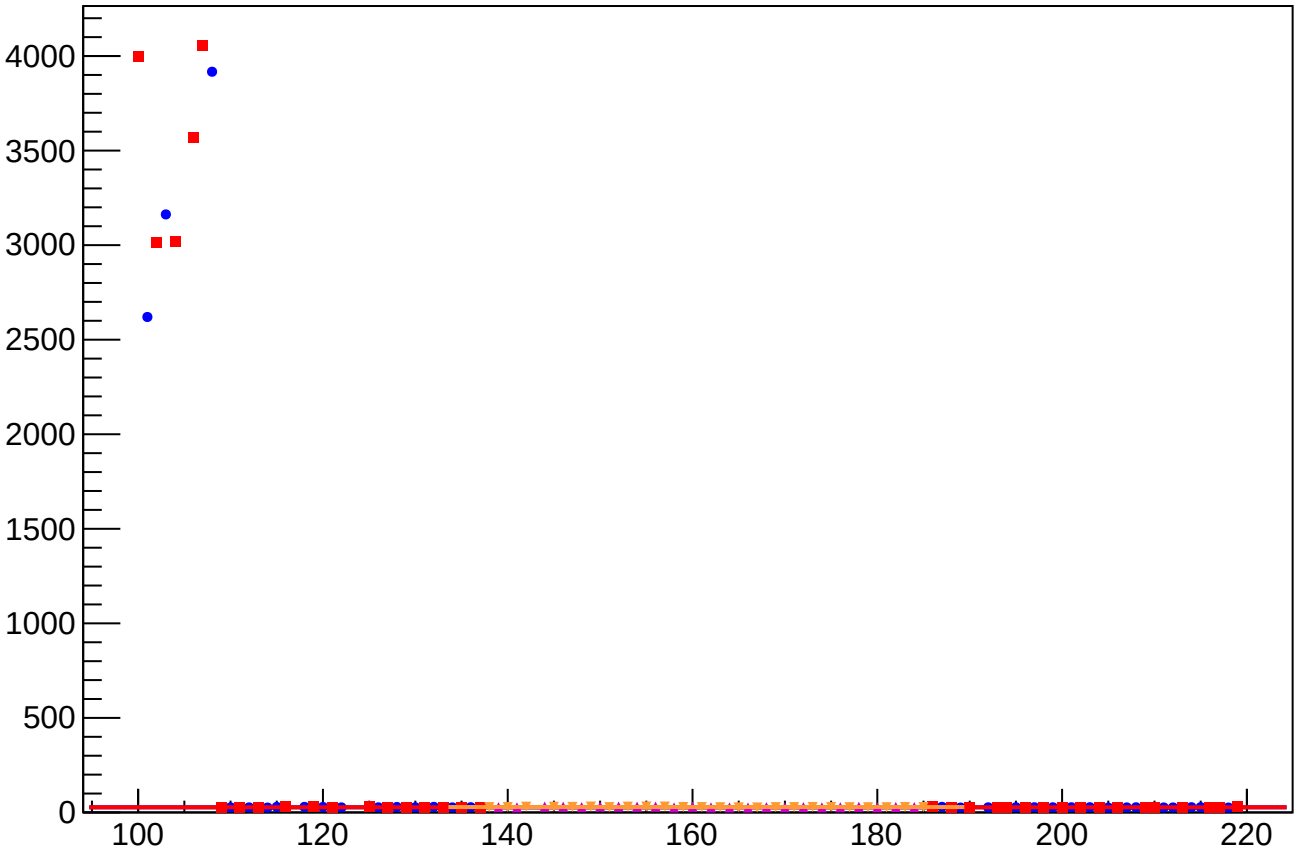
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 2.214+/-4.450 χ^2/NDF: 79.1/66

In: 2.151+/-4.607 χ^2/NDF:60.3/54

Out: -3.825+/-4.563 χ^2/NDF:60.7/58

All: -0.866+/-3.242 χ^2/NDF: 121.9/113



Right In: 27.196+/-0.004 χ^2/NDF: 3295459.4/31

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.322+/-0.004 χ^2/NDF: 3625054.1/34

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

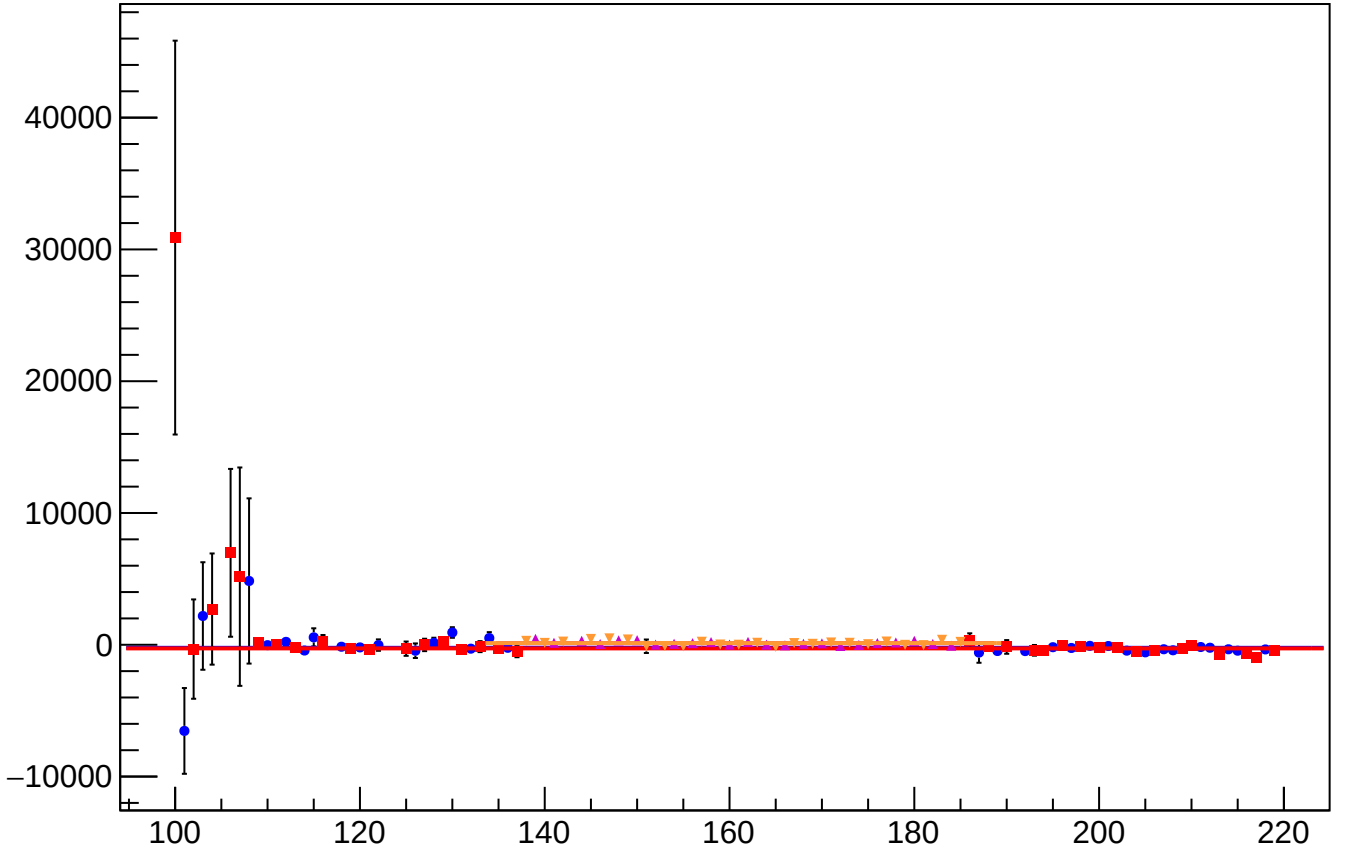
Right: 27.259+/-0.003 χ^2/NDF: 6920915.9/66

In: 27.913+/-0.003 χ^2/NDF:3477911.9/54

Out: 27.919+/-0.003 χ^2/NDF:3744676.7/58

All: 27.916+/-0.002 χ^2/NDF: 7222590.4/113

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -231.911+/-41.863 χ^2/NDF: 36.0/31

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -274.975+/-41.534 χ^2/NDF: 45.5/34

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

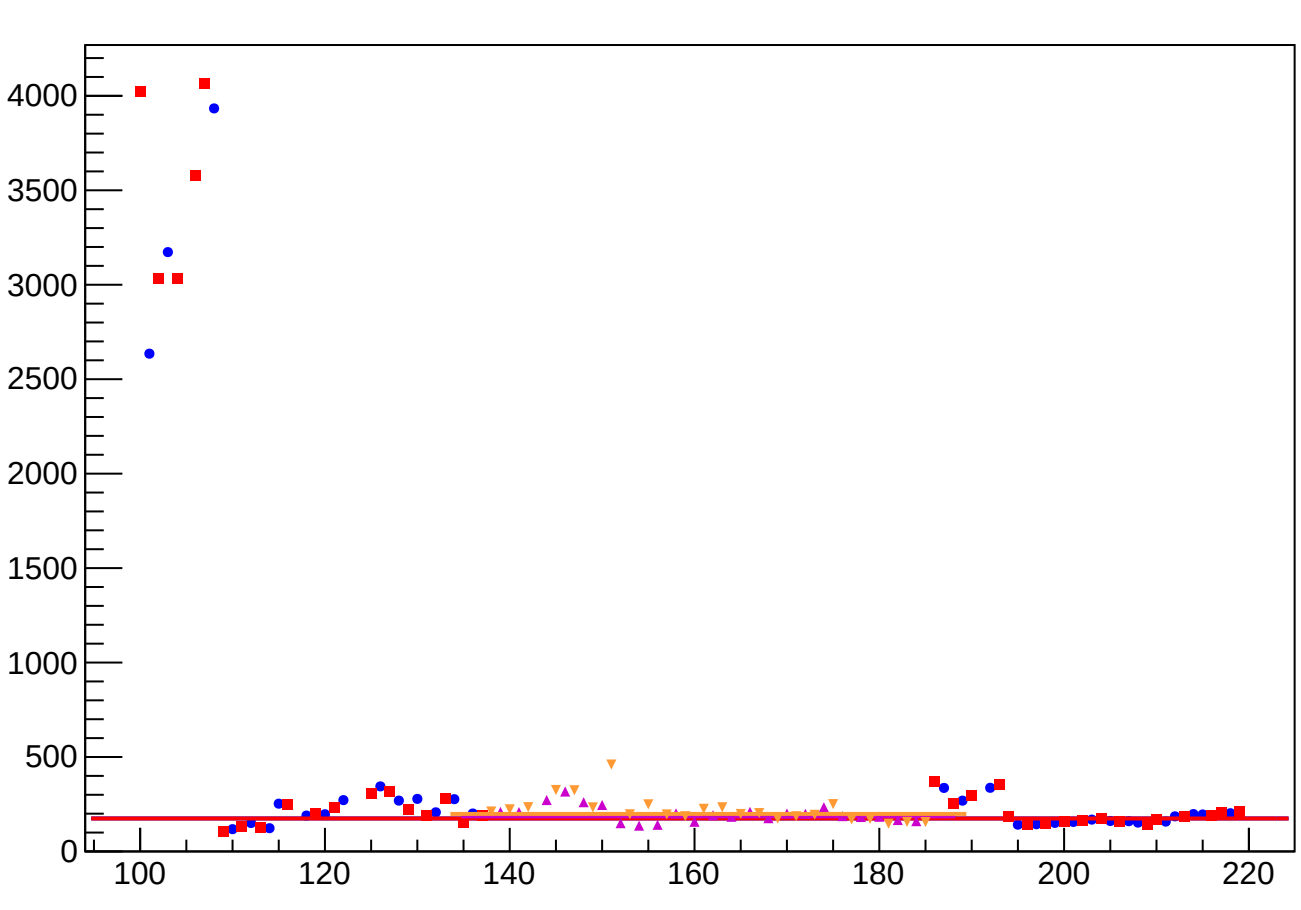
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -253.613+/-29.485 χ^2/NDF: 82.1/66

In: -68.121+/-30.713 χ^2/NDF:77.2/54

Out: -102.529+/-31.367 χ^2/NDF:97.2/58

All: -84.963+/-21.945 χ^2/NDF: 175.0/113



Right In: 174.750+/-0.030 χ^2/NDF: 4977337.0/31

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 174.453+/-0.029 χ^2/NDF: 5532036.3/34

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

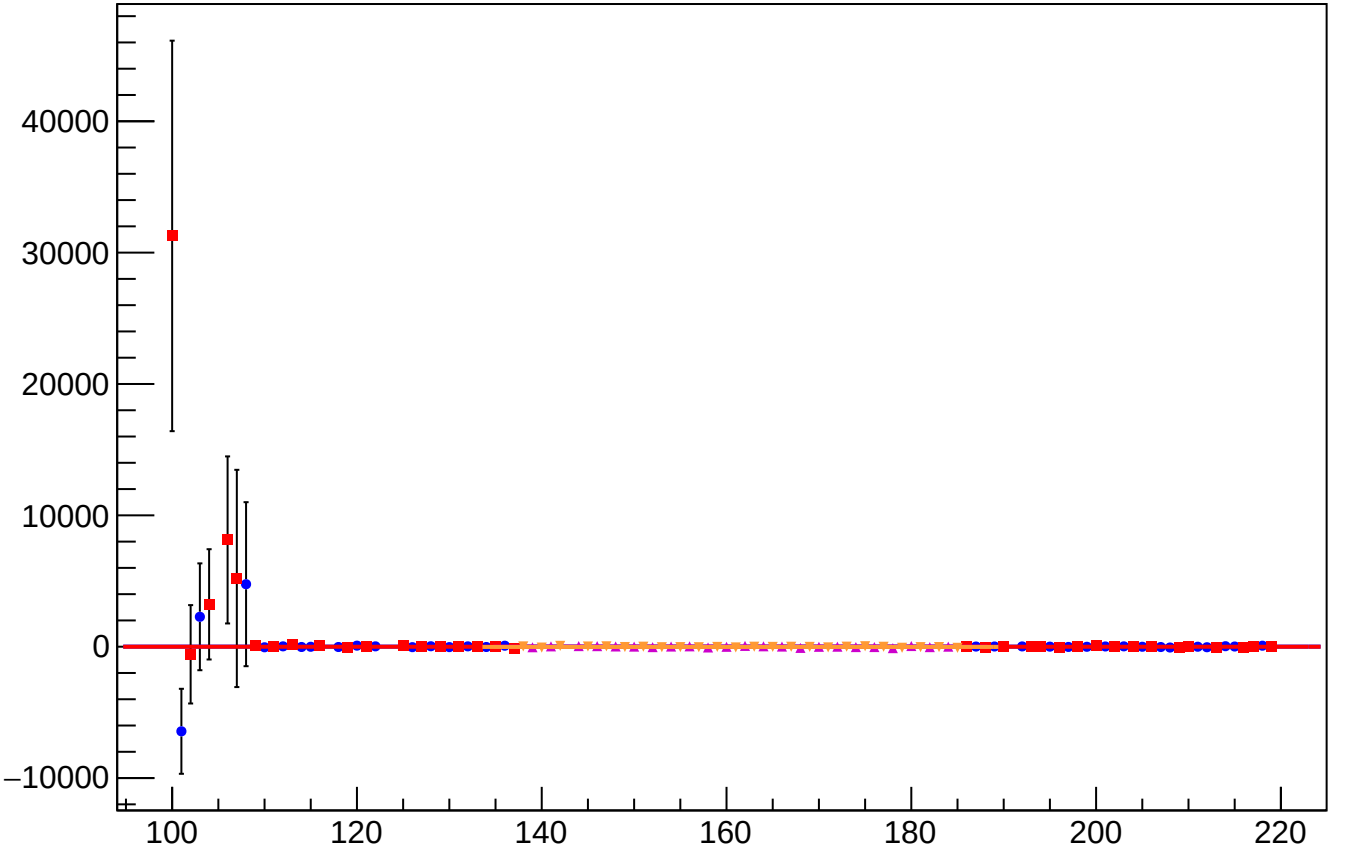
Right: 174.601+/-0.021 χ^2/NDF: 10509424.1/66

In: 179.885+/-0.022 χ^2/NDF:6448032.7/54

Out: 184.887+/-0.022 χ^2/NDF:7612176.9/58

All: 182.333+/-0.016 χ^2/NDF: 14086167.1/11

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 7.404+/-6.970 χ^2/NDF: 31.4/31

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -2.332+/-6.910 χ^2/NDF: 45.0/34

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

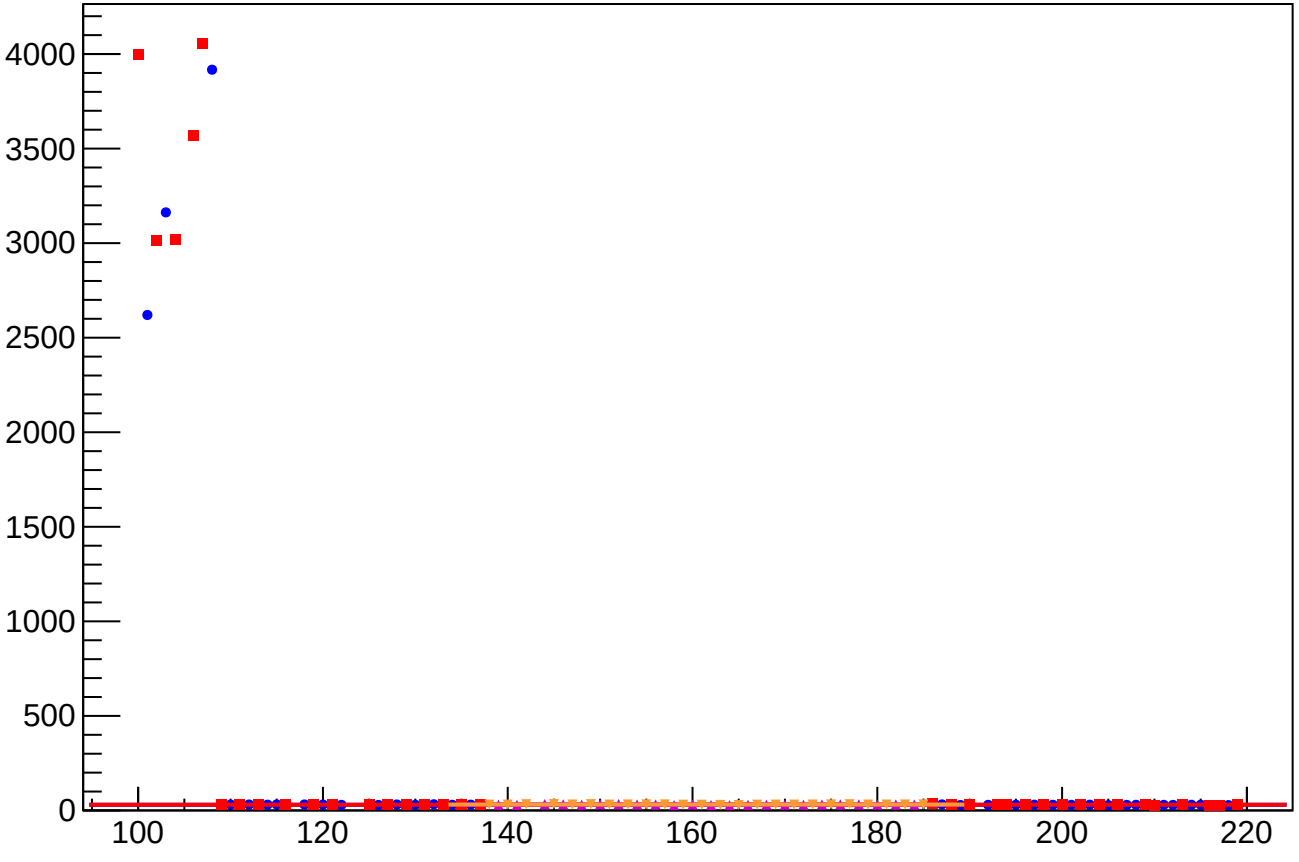
Right: 2.494+/-4.907 χ^2/NDF: 77.3/66

In: 2.614+/-5.057 χ^2/NDF:67.9/54

Out: -9.869+/-5.005 χ^2/NDF:67.8/58

All: -3.691+/-3.557 χ^2/NDF: 138.8/113

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 30.009+/-0.005 χ^2/NDF: 3282541.3/31

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.136+/-0.005 χ^2/NDF: 3589735.4/34

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

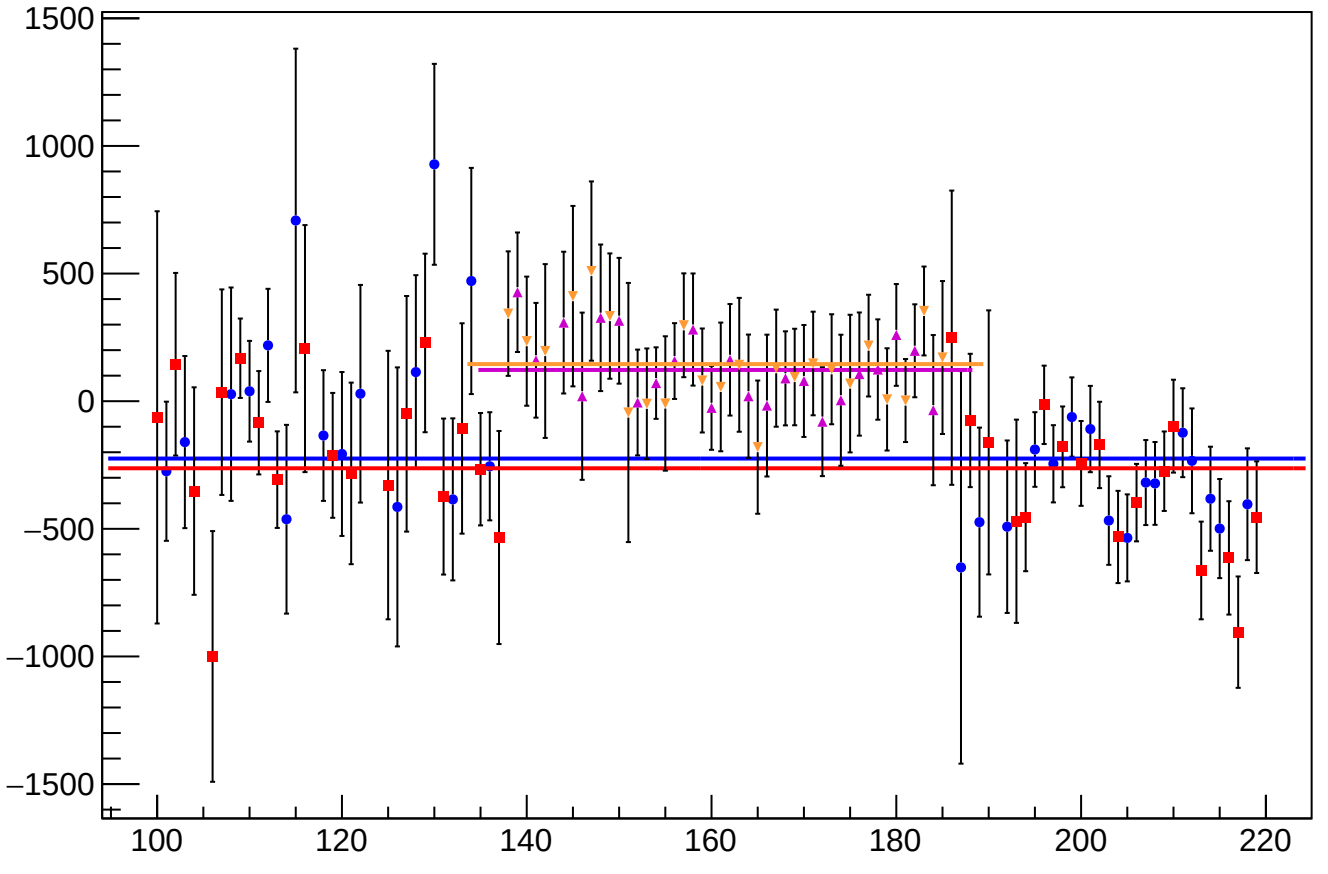
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.073+/-0.003 χ^2/NDF: 6872608.3/66

In: 30.658+/-0.004 χ^2/NDF:3404373.9/54

Out: 30.652+/-0.004 χ^2/NDF:3660630.8/58

All: 30.655+/-0.003 χ^2/NDF: 7065006.3/113



Right In: -224.701+/-40.077 χ^2/NDF: 33.9/31

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -262.832+/-39.335 χ^2/NDF: 42.4/34

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

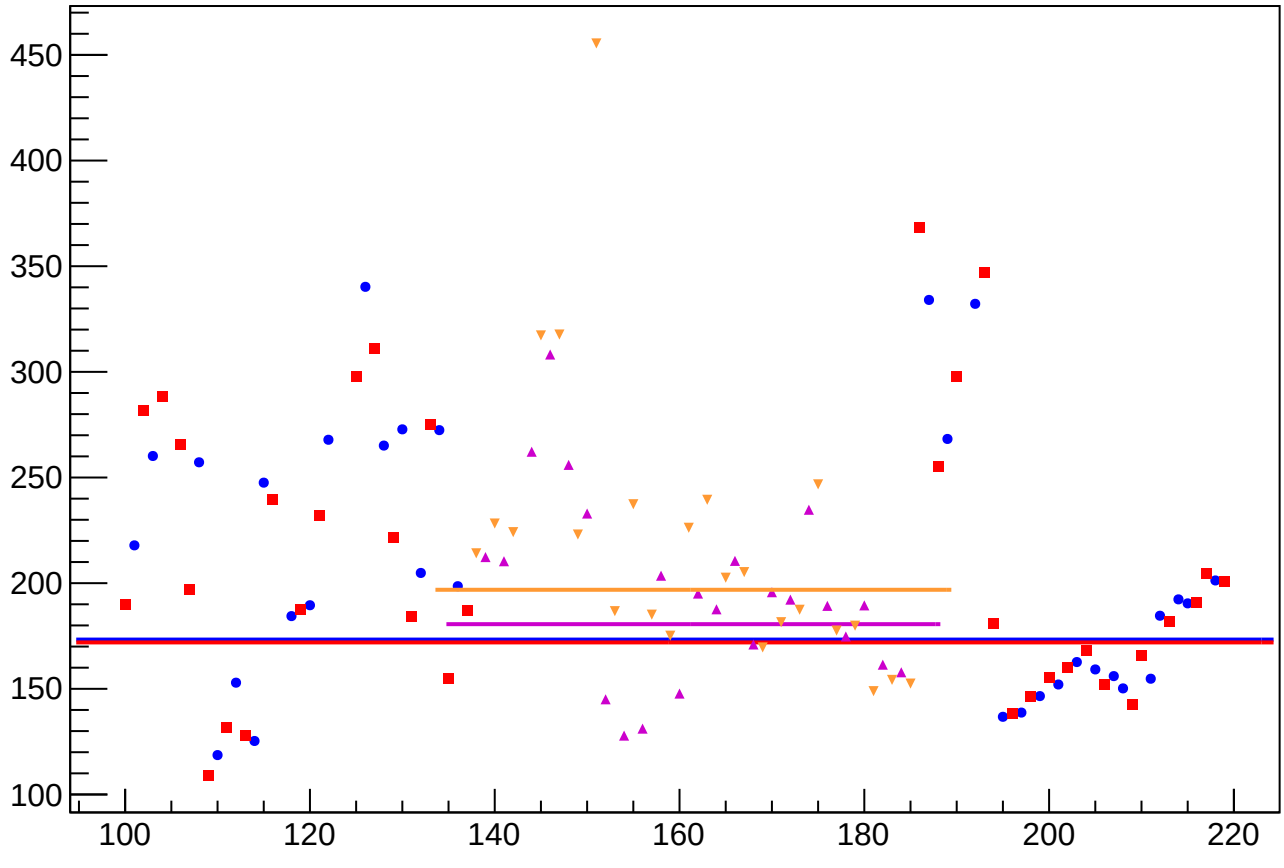
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -244.123+/-28.073 χ^2/NDF: 76.7/66

In: -67.639+/-29.653 χ^2/NDF:75.7/54

Out: -96.343+/-30.267 χ^2/NDF:95.7/58

All: -81.697+/-21.182 χ^2/NDF: 171.8/113



Right In: 173.305+/-0.028 χ^2/NDF: 2341473.6/31

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 171.960+/-0.028 χ^2/NDF: 2865390.7/34

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

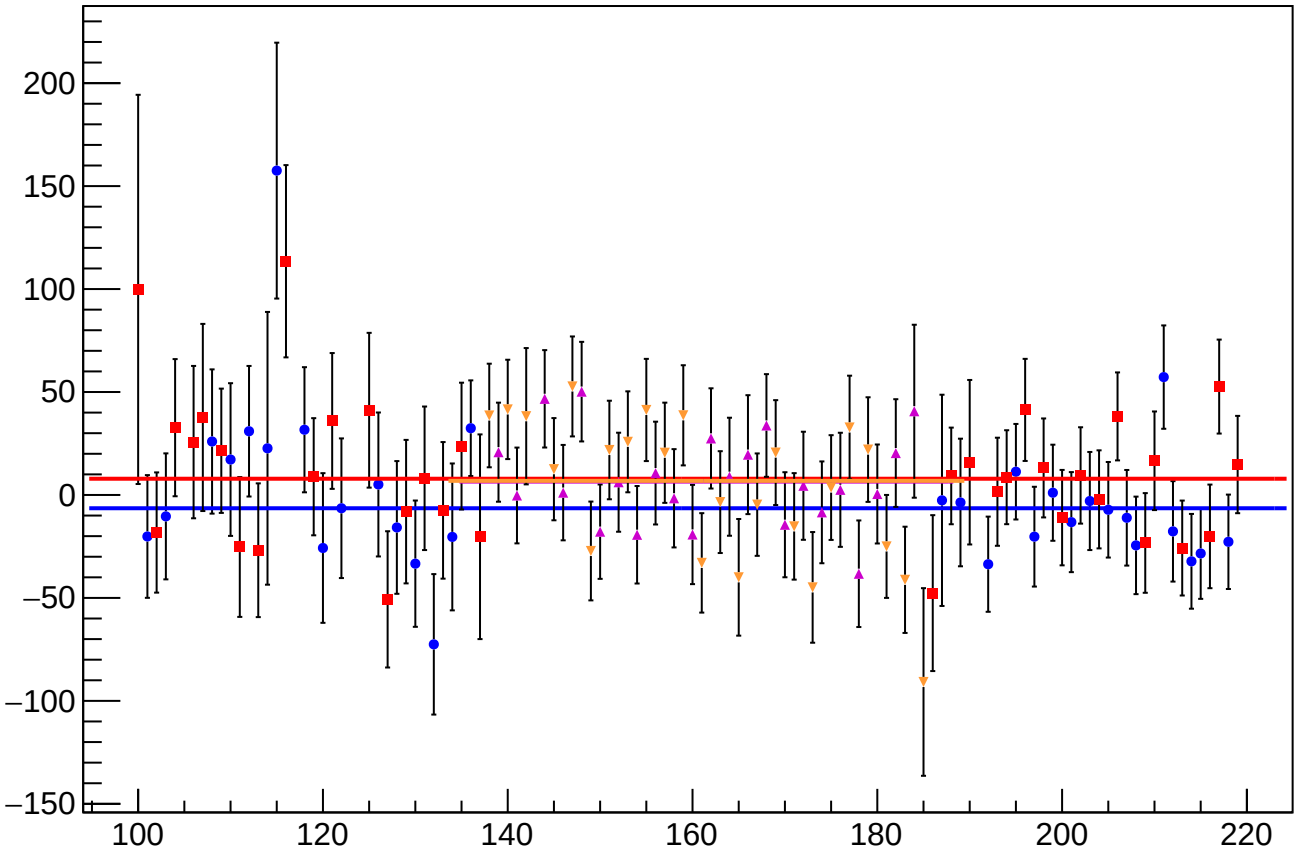
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 172.620+/-0.020 χ^2/NDF: 5208011.2/66

In: 176.607+/-0.021 χ^2/NDF:3999543.9/54

Out: 182.123+/-0.021 χ^2/NDF:4917743.0/58

All: 179.308+/-0.015 χ^2/NDF: 8951175.9/113



Right In: -6.451+/-4.937 χ^2/NDF: 32.1/31

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 7.884+/-4.839 χ^2/NDF: 32.1/34

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

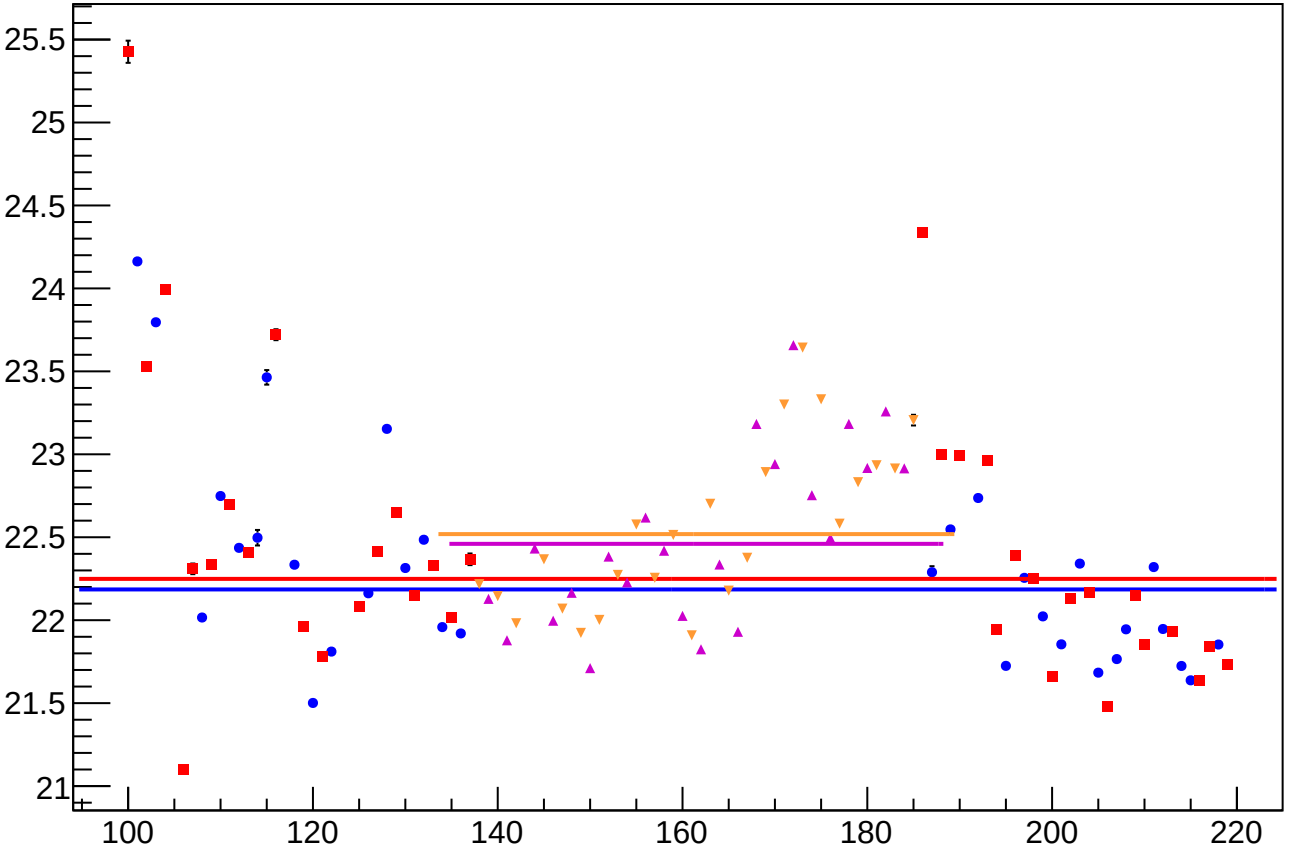
Right: 0.859+/-3.456 χ^2/NDF: 68.5/66

In: -0.378+/-3.595 χ^2/NDF:52.8/54

Out: 7.410+/-3.551 χ^2/NDF:69.0/58

All: 3.564+/-2.527 χ^2/NDF: 124.1/113

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.185+/-0.003 χ^2/NDF: 26490.2/31

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.249+/-0.003 χ^2/NDF: 35471.0/34

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

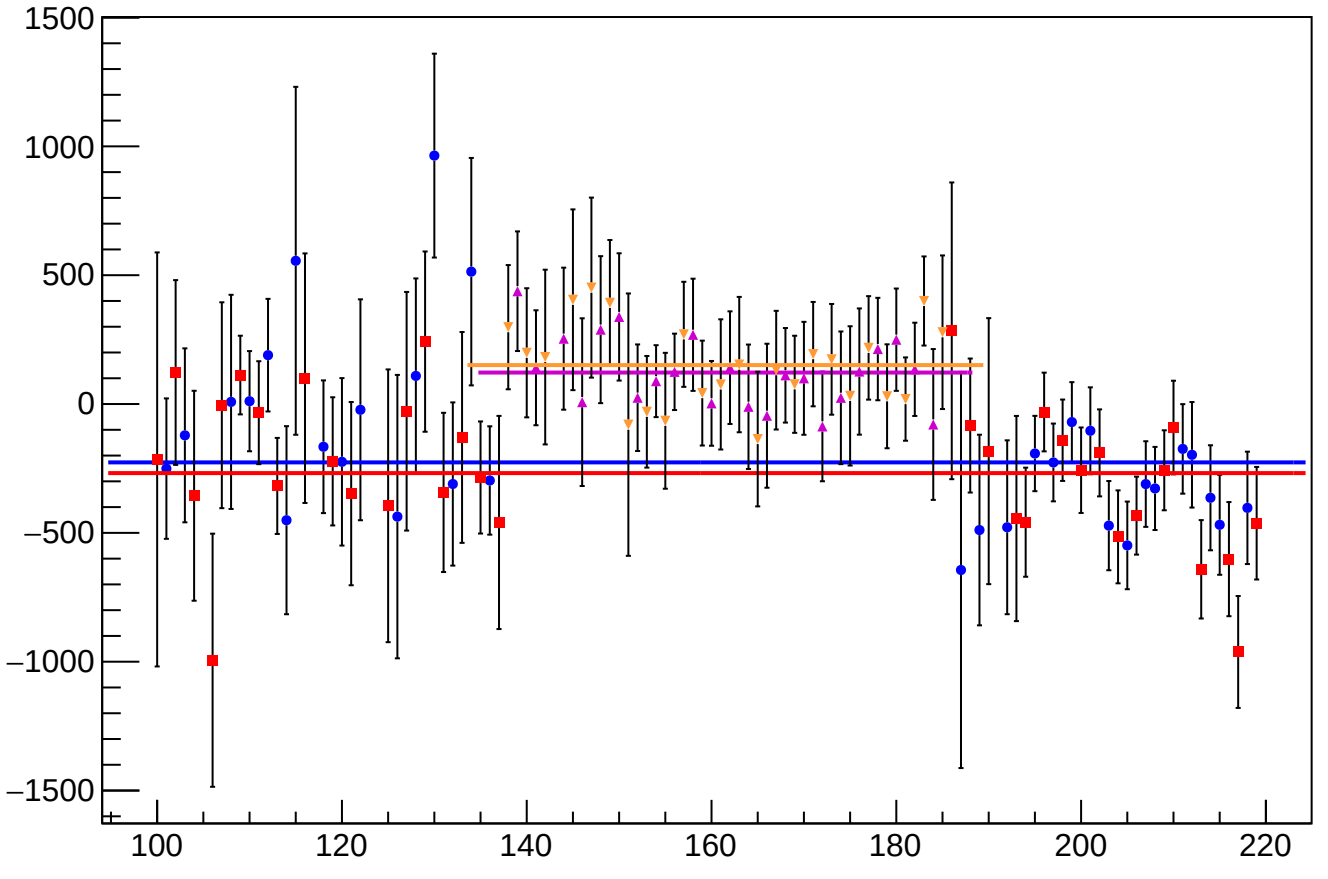
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.218+/-0.002 χ^2/NDF: 62130.9/66

In: 22.314+/-0.003 χ^2/NDF:48518.8/54

Out: 22.374+/-0.003 χ^2/NDF:54340.4/58

All: 22.344+/-0.002 χ^2/NDF: 103133.0/113



Right In: -226.488+/-39.962 χ^2/NDF: 32.5/31

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -268.017+/-39.179 χ^2/NDF: 41.9/34

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

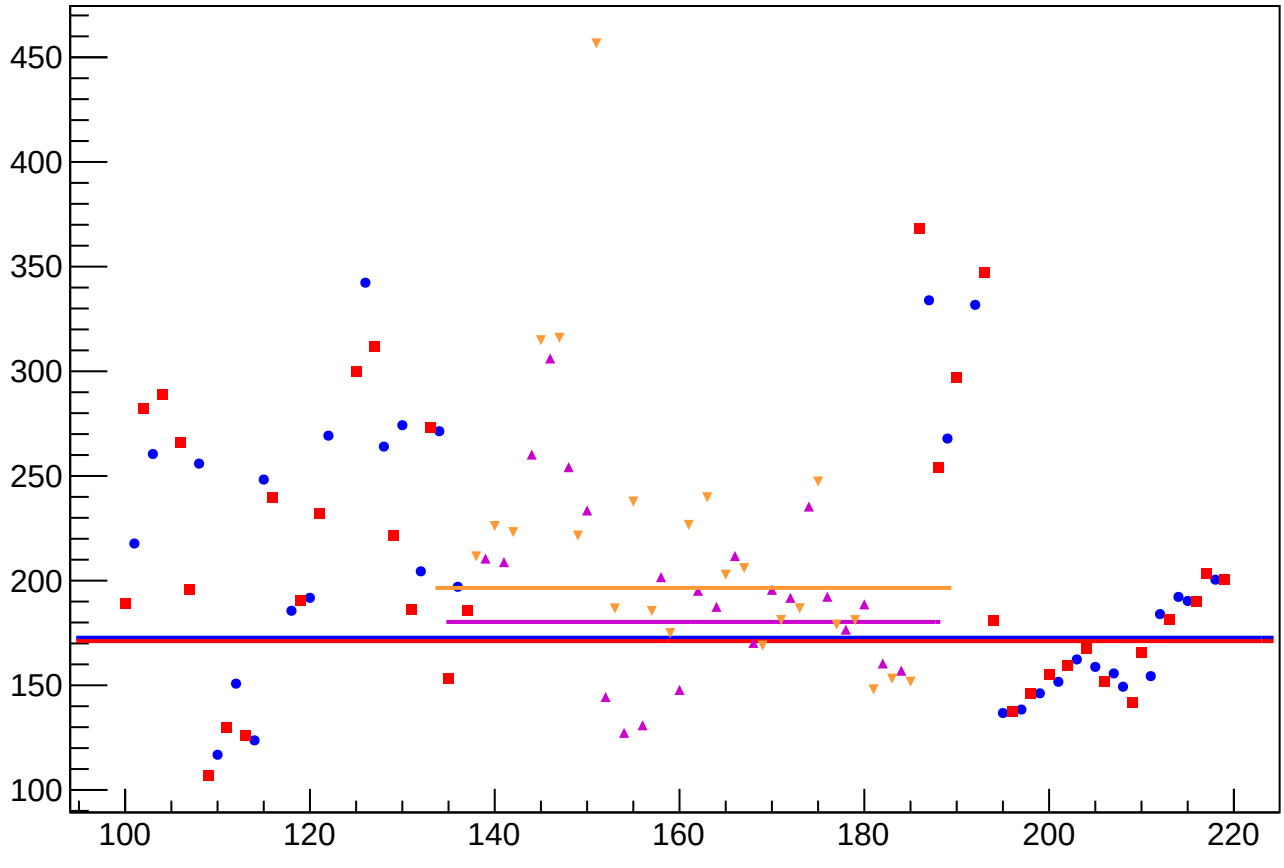
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -247.664+/-27.976 χ^2/NDF: 75.0/66

In: -68.915+/-29.584 χ^2/NDF:74.4/54

Out: -97.537+/-30.177 χ^2/NDF:98.4/58

All: -82.942+/-21.126 χ^2/NDF: 173.3/113



Right In: 172.731+/-0.028 χ^2/NDF: 2373287.4/31

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 171.115+/-0.028 χ^2/NDF: 2935242.9/34

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

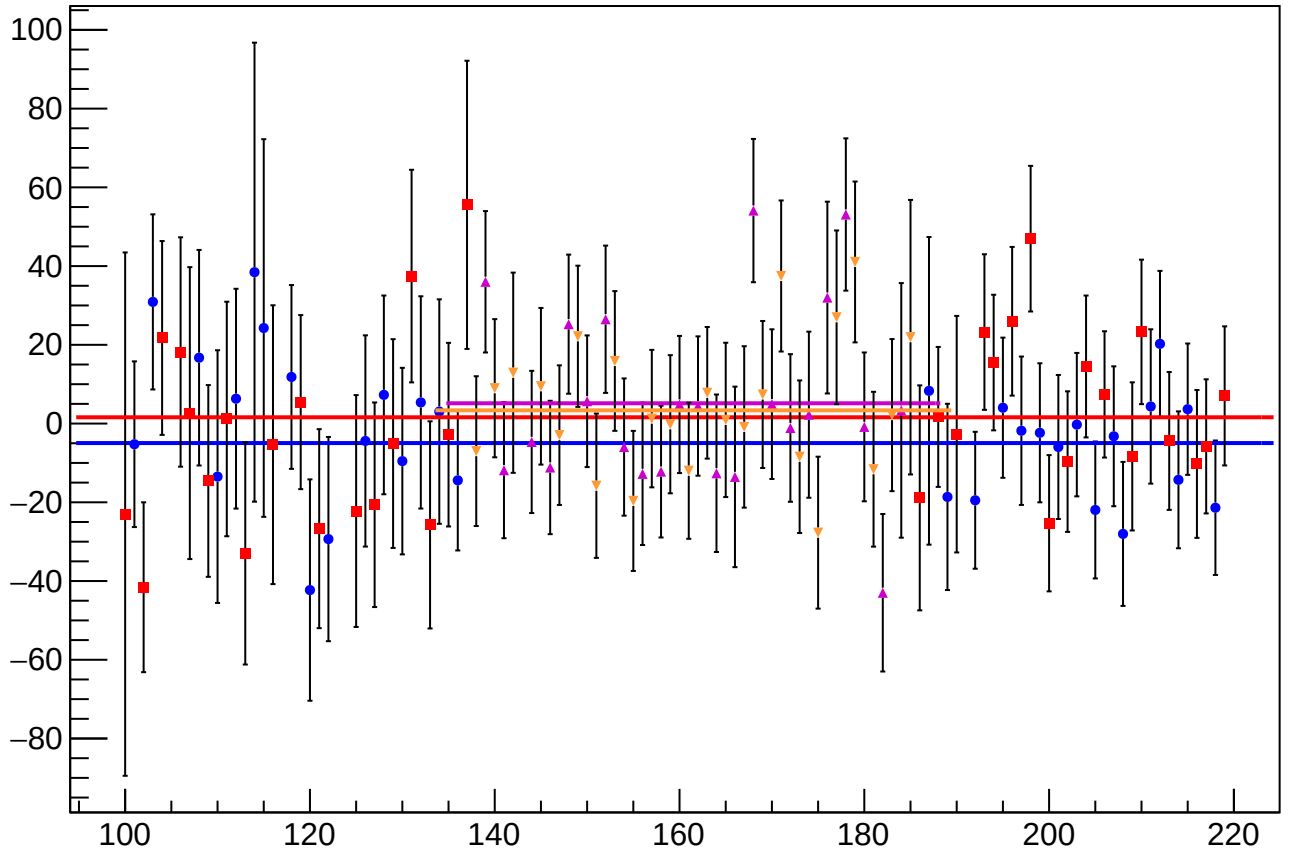
Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

Right: 171.907+/-0.020 χ^2/NDF: 5310196.5/66

In: 176.140+/-0.021 χ^2/NDF:4030180.5/54

Out: 181.454+/-0.021 χ^2/NDF:5005534.2/58

All: 178.744+/-0.015 χ^2/NDF: 9067341.4/113



Right In: -4.950+/-3.782 χ^2/NDF: 16.0/31

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: 1.597+/-3.701 χ^2/NDF: 30.9/34

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

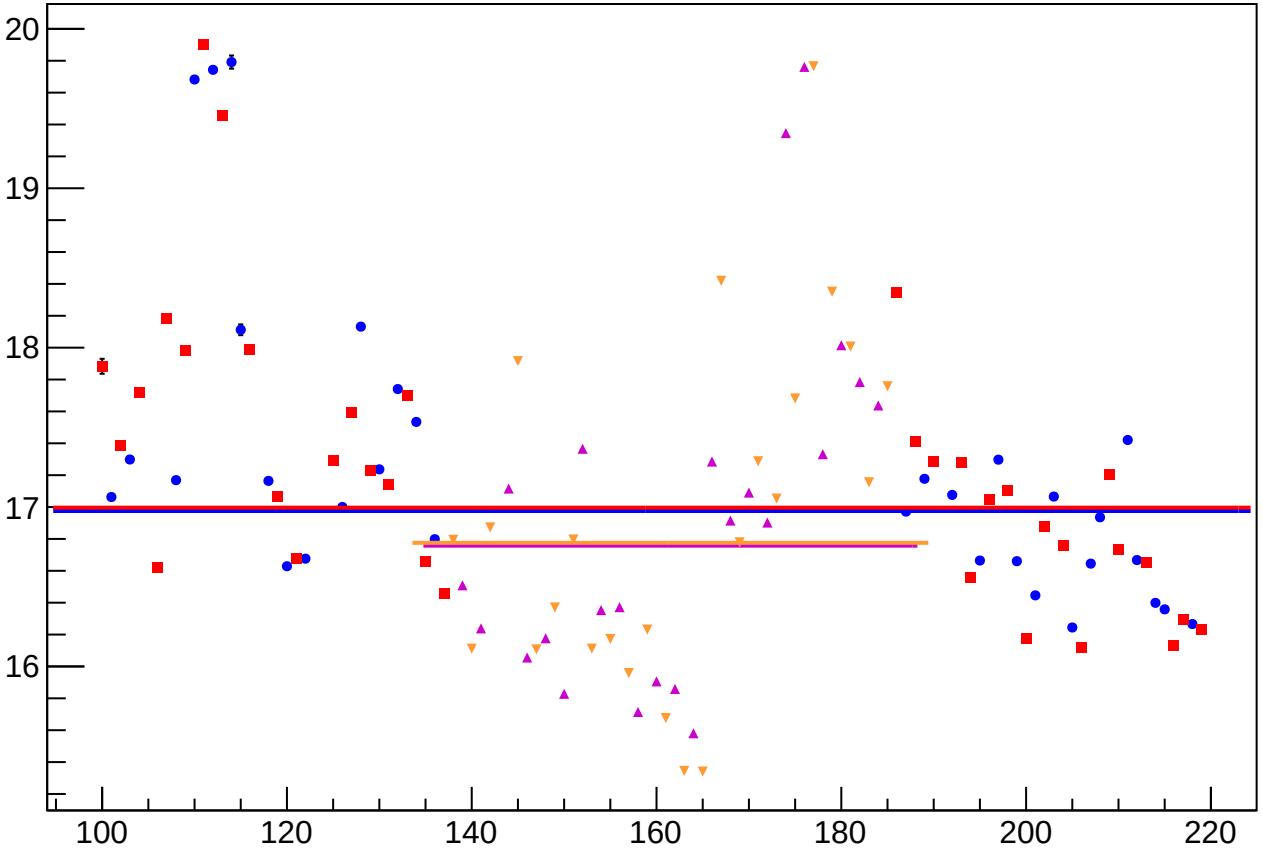
Right: -1.606+/-2.645 χ^2/NDF: 48.4/66

In: -0.086+/-2.723 χ^2/NDF:51.7/54

Out: 2.431+/-2.686 χ^2/NDF:48.7/58

All: 1.189+/-1.912 χ^2/NDF: 100.8/113

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 16.975+/-0.003 χ^2/NDF: 65937.7/31

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 16.996+/-0.003 χ^2/NDF: 79525.4/34

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

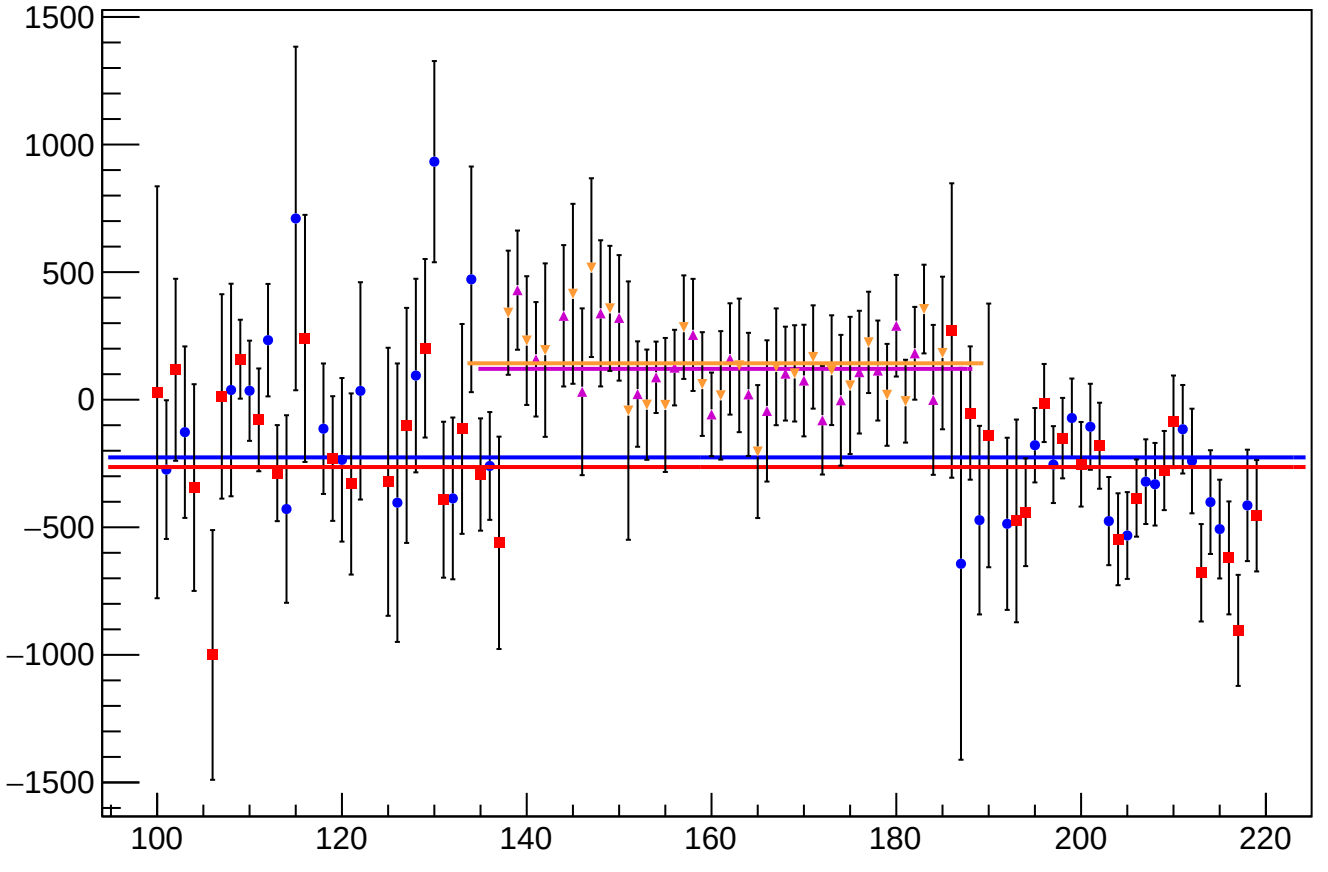
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 16.986+/-0.002 χ^2/NDF: 145494.4/66

In: 16.871+/-0.002 χ^2/NDF:192430.2/54

Out: 16.892+/-0.002 χ^2/NDF:219027.9/58

All: 16.881+/-0.001 χ^2/NDF: 411520.3/113



Right In: -226.024+/-39.956 χ^2/NDF: 34.7/31

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -263.911+/-39.218 χ^2/NDF: 43.1/34

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

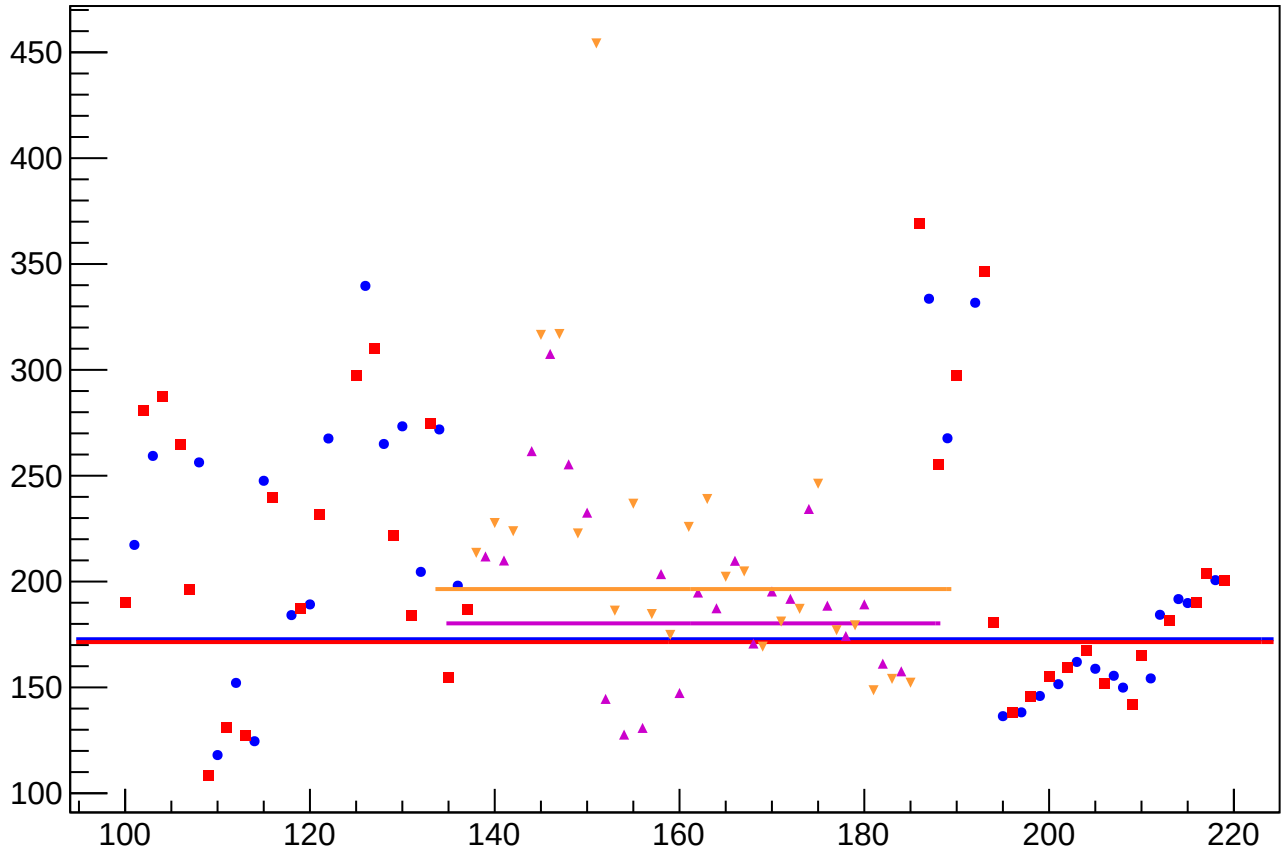
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -245.321+/-27.989 χ^2/NDF: 78.3/66

In: -69.216+/-29.578 χ^2/NDF:77.0/54

Out: -98.209+/-30.187 χ^2/NDF:97.0/58

All: -83.417+/-21.127 χ^2/NDF: 174.5/113



Right In: 172.755+/-0.028 χ^2/NDF: 2354299.2/31

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 171.411+/-0.028 χ^2/NDF: 2883285.9/34

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

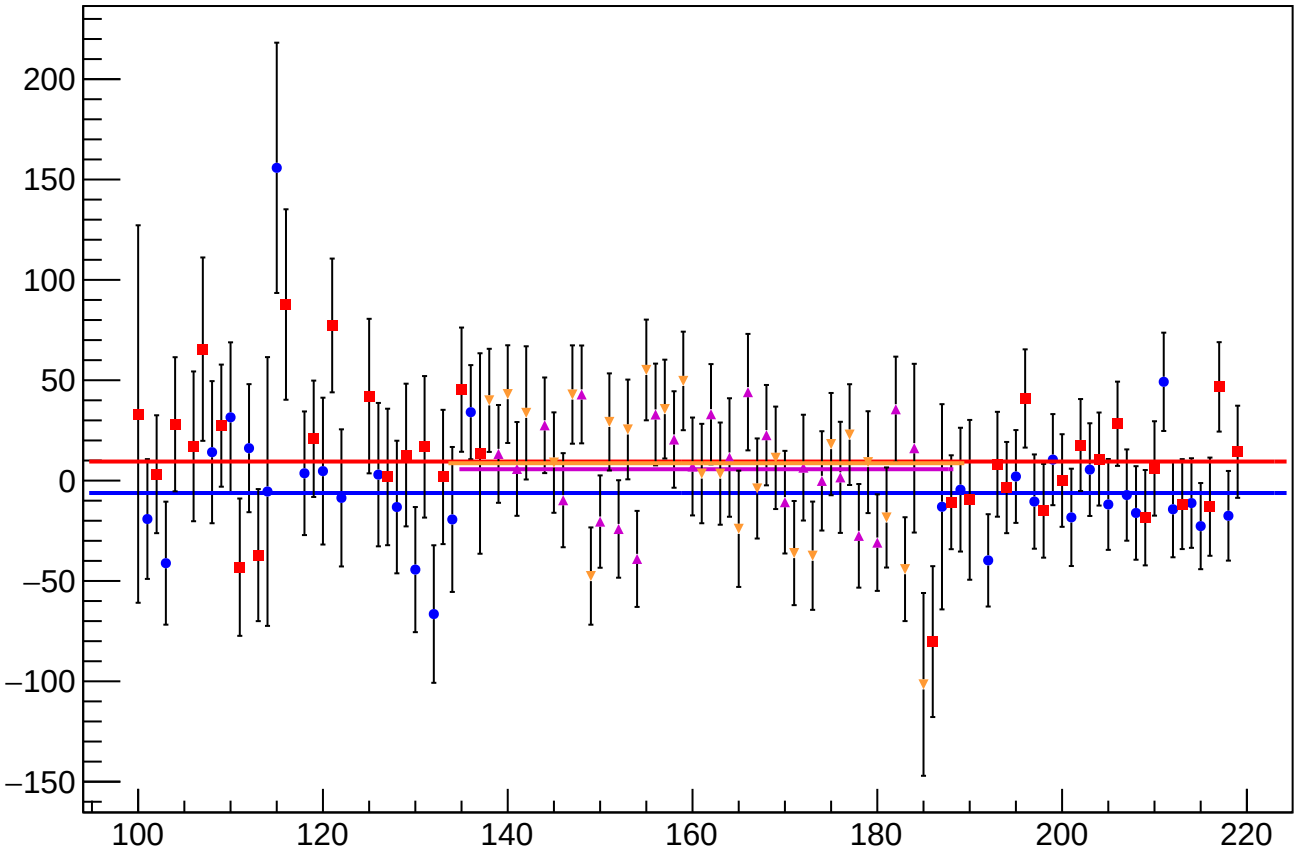
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 172.070+/-0.020 χ^2/NDF: 5238738.0/66

In: 176.142+/-0.021 χ^2/NDF:4013867.9/54

Out: 181.616+/-0.021 χ^2/NDF:4939104.3/58

All: 178.823+/-0.015 χ^2/NDF: 8986521.9/113



Right In: -6.180+/-4.889 χ^2/NDF: 27.8/31

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: 9.499+/-4.801 χ^2/NDF: 32.8/34

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

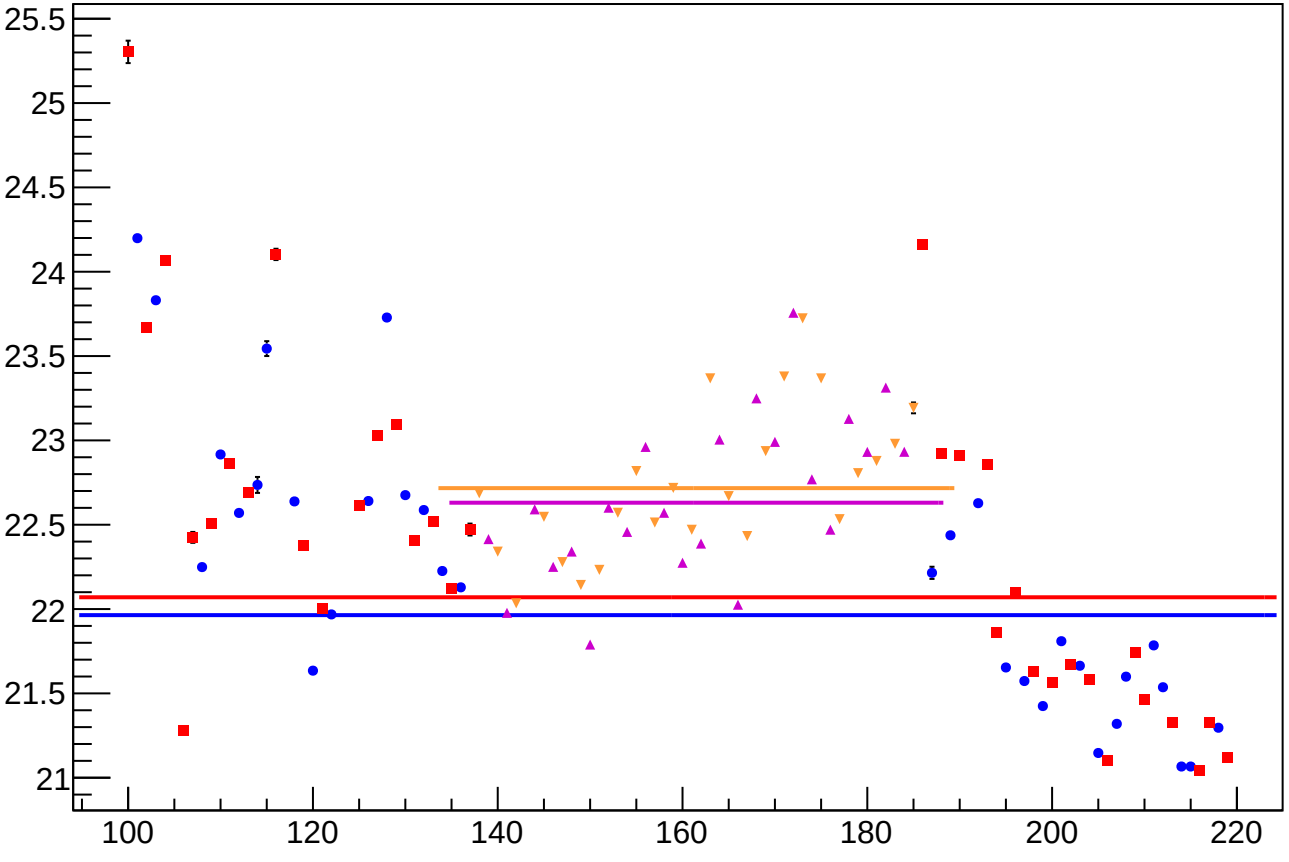
Right: 1.800+/-3.425 χ^2/NDF: 65.8/66

In: -0.719+/-3.589 χ^2/NDF:51.3/54

Out: 9.121+/-3.551 χ^2/NDF:71.9/58

All: 4.254+/-2.524 χ^2/NDF: 127.0/113

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 21.964+/-0.003 χ^2/NDF: 50419.2/31

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.070+/-0.003 χ^2/NDF: 59165.2/34

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

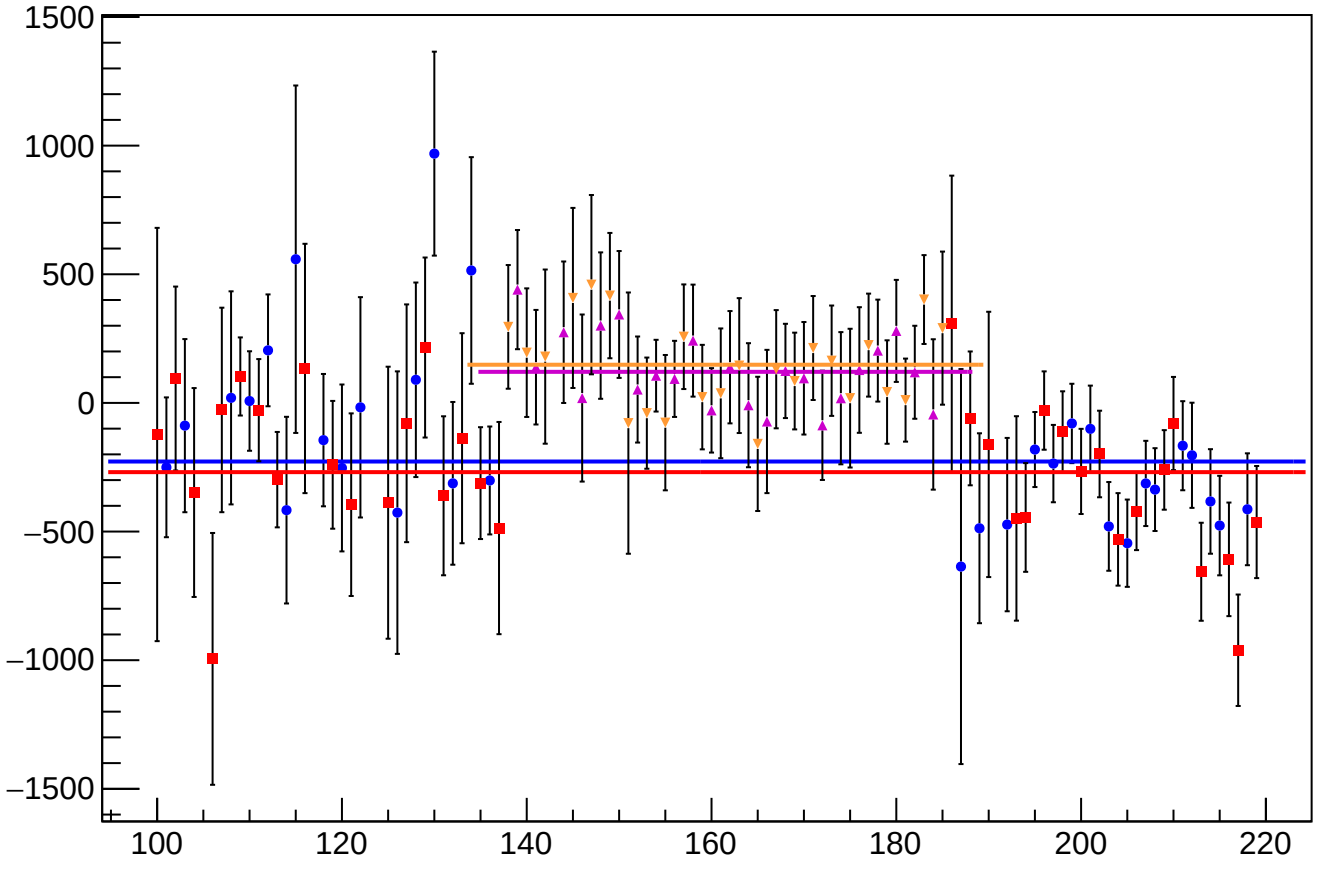
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.018+/-0.002 χ^2/NDF: 110062.2/66

In: 22.271+/-0.003 χ^2/NDF:82949.7/54

Out: 22.363+/-0.003 χ^2/NDF:87802.0/58

All: 22.318+/-0.002 χ^2/NDF: 171413.5/113



Right In: -227.791+/-39.841 χ^2/NDF: 33.3/31

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -269.065+/-39.061 χ^2/NDF: 42.6/34

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

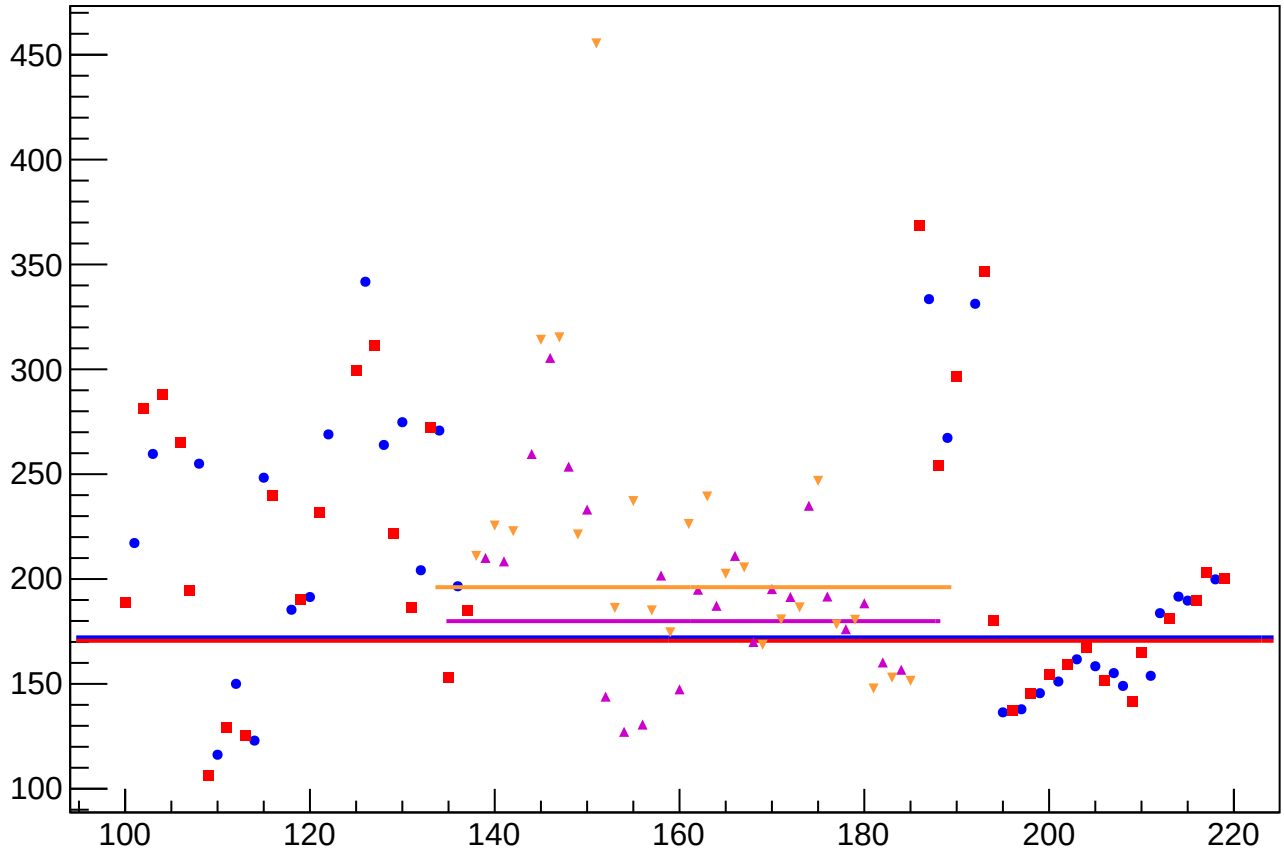
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -248.836+/-27.892 χ^2/NDF: 76.5/66

In: -70.450+/-29.509 χ^2/NDF:75.7/54

Out: -99.420+/-30.096 χ^2/NDF:99.9/58

All: -84.650+/-21.070 χ^2/NDF: 176.2/113



Right In: 172.176+/-0.028 χ^2/NDF: 2386620.0/31

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 170.560+/-0.028 χ^2/NDF: 2954039.6/34

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

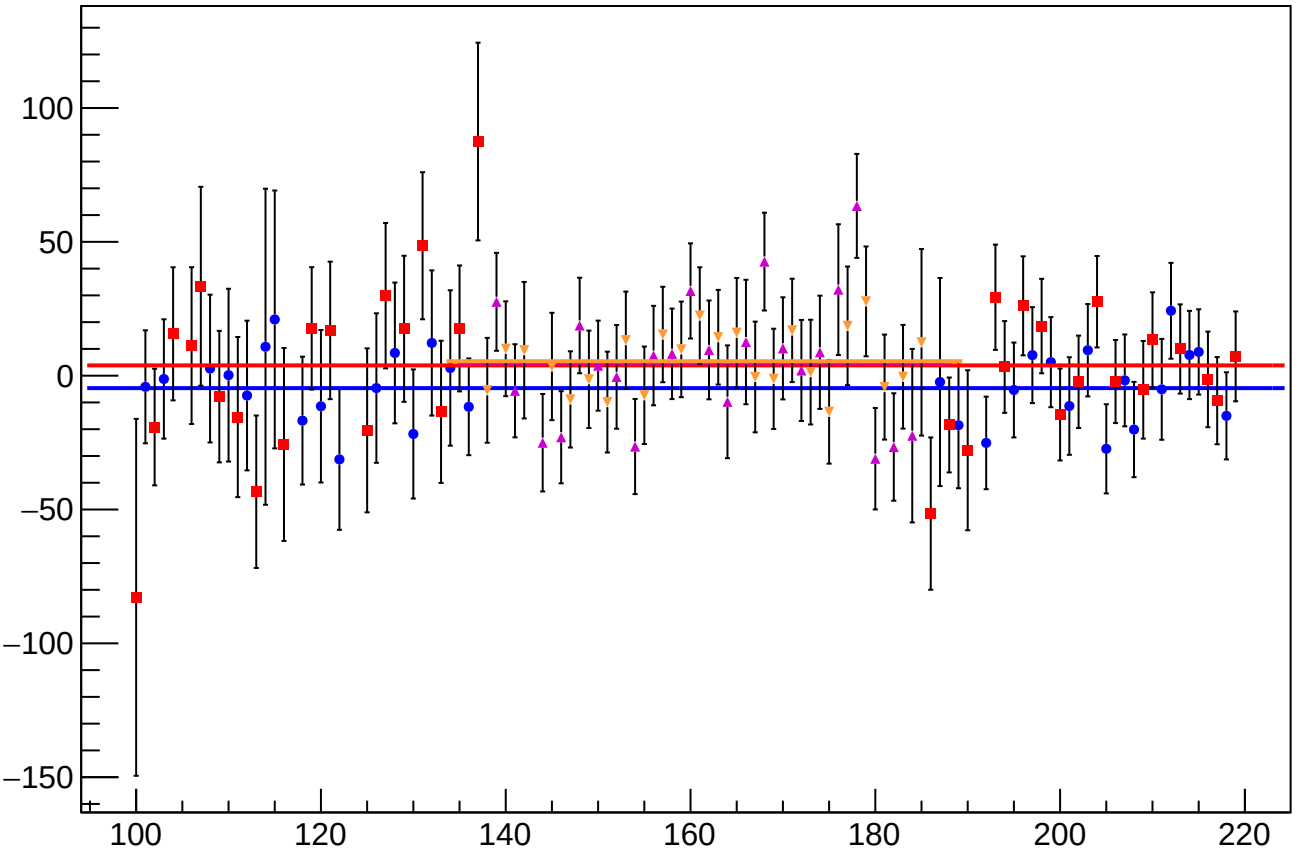
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 171.352+/-0.020 χ^2/NDF: 5342337.6/66

In: 175.673+/-0.021 χ^2/NDF:4044901.7/54

Out: 180.943+/-0.021 χ^2/NDF:5028091.7/58

All: 178.256+/-0.015 χ^2/NDF: 9104256.2/113



Right In: -4.650+/-3.714 χ^2/NDF: 13.5/31

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: 3.843+/-3.644 χ^2/NDF: 33.9/34

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

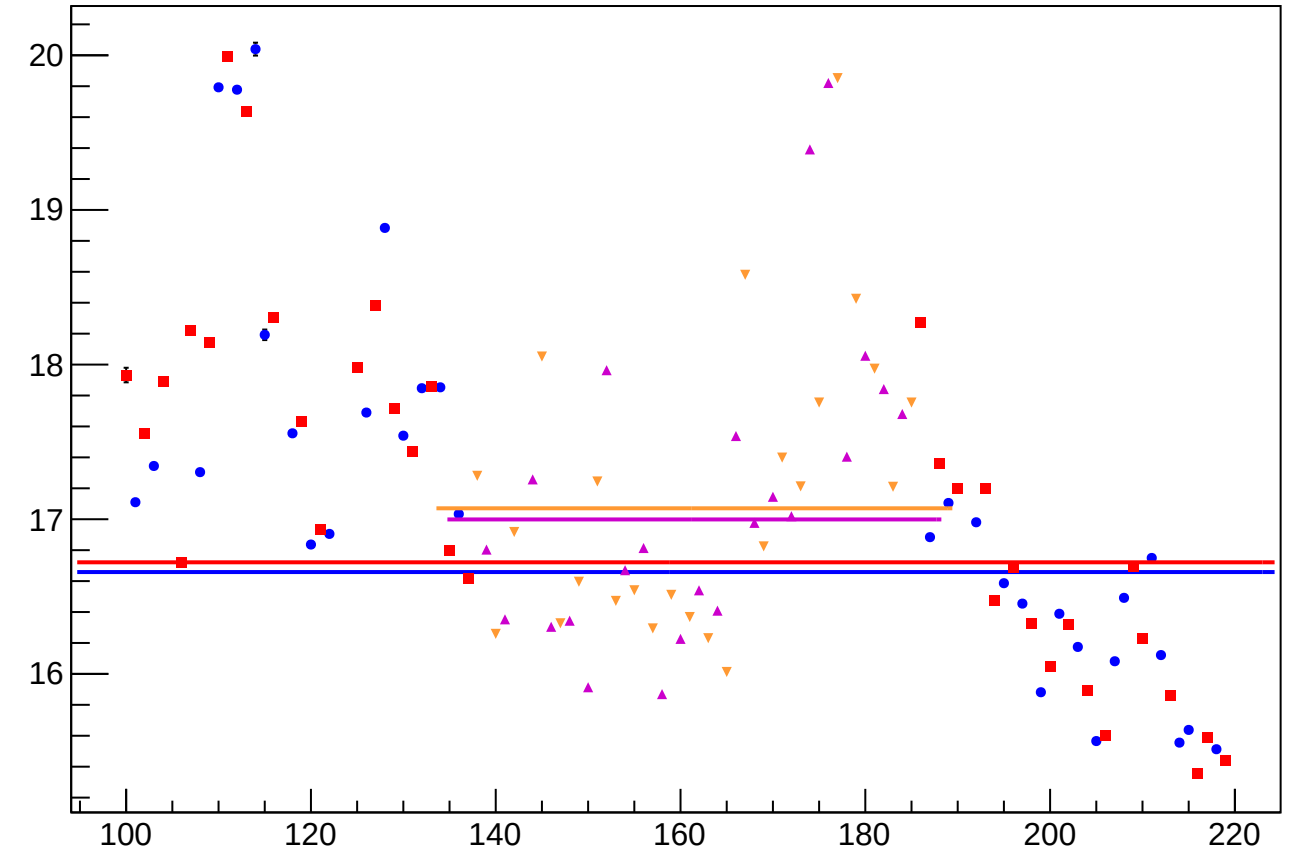
Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

Right: -0.323+/-2.601 χ^2/NDF: 50.0/66

In: -0.225+/-2.715 χ^2/NDF:52.0/54

Out: 4.557+/-2.685 χ^2/NDF:41.7/58

All: 2.193+/-1.909 χ^2/NDF: 95.3/113



Right In: 16.658+/-0.003 χ^2/NDF: 135128.6/31

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 16.721+/-0.003 χ^2/NDF: 159335.3/34

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

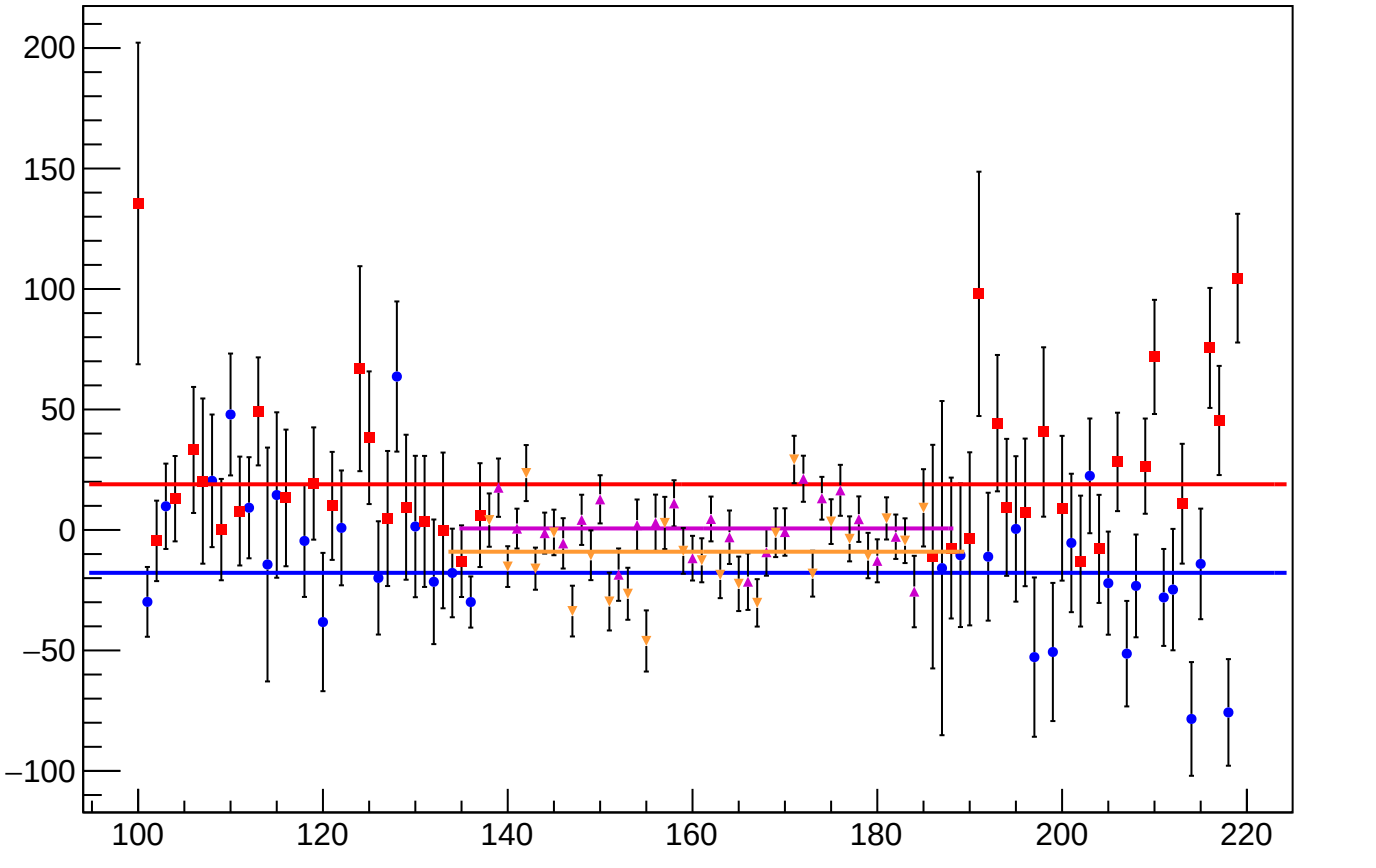
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

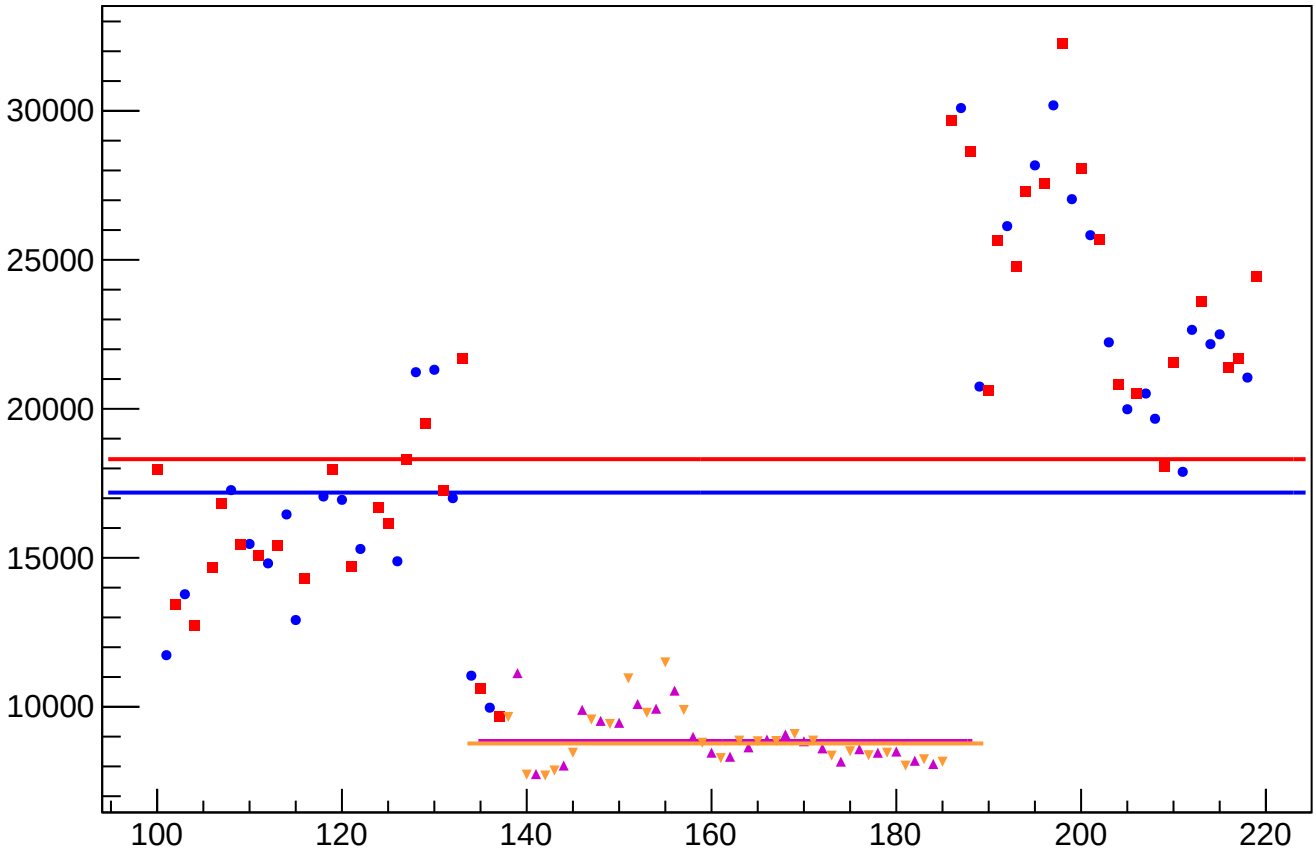
Right: 16.691+/-0.002 χ^2/NDF: 294757.3/66

In: 16.817+/-0.002 χ^2/NDF:246963.1/54

Out: 16.881+/-0.002 χ^2/NDF:264042.2/58

All: 16.849+/-0.001 χ^2/NDF: 511571.7/113


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -17.791+/-4.024 χ²/NDF: 46.6/31
Left Out: -9.027+/-2.006 χ²/NDF:62.0/24
Right Out: 18.953+/-4.125 χ²/NDF: 46.9/36
Left In: 0.628+/-2.079 χ²/NDF:29.5/22
Left: -4.372+/-1.444 χ²/NDF: 102.7/47
Right: 0.126+/-2.880 χ²/NDF: 134.2/68
In: -3.253+/-1.847 χ²/NDF:92.7/54
Out: -3.674+/-1.804 χ²/NDF:146.1/61
All: -3.469+/-1.291 χ²/NDF: 238.8/116



Right In: 17189.283+/-2.845 χ^2/NDF: 3544223.3/31

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 18310.655+/-2.917 χ^2/NDF: 3449293.6/36

Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

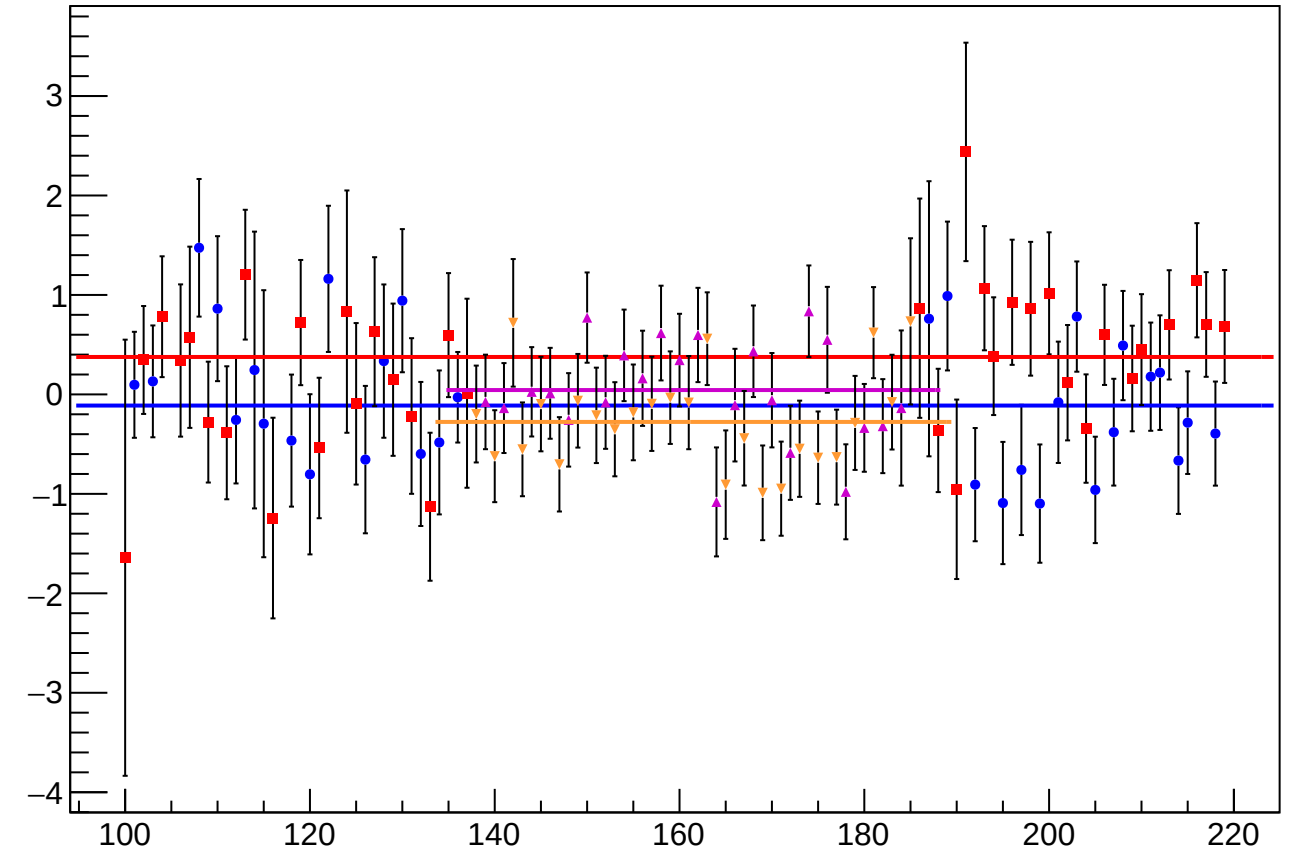
Left: 8810.105+/-1.021 χ^2/NDF: 646671.0/47

Right: 17736.091+/-2.037 χ^2/NDF: 7069250.1/68

In: 10609.539+/-1.306 χ^2/NDF:10618825.6/54

Out: 10595.707+/-1.276 χ^2/NDF:12446031.5/61

All: 10602.460+/-0.913 χ^2/NDF: 23064914.5



Right In: -0.112+/-0.111 χ^2/NDF: 34.8/31

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.376+/-0.110 χ^2/NDF: 31.7/36

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

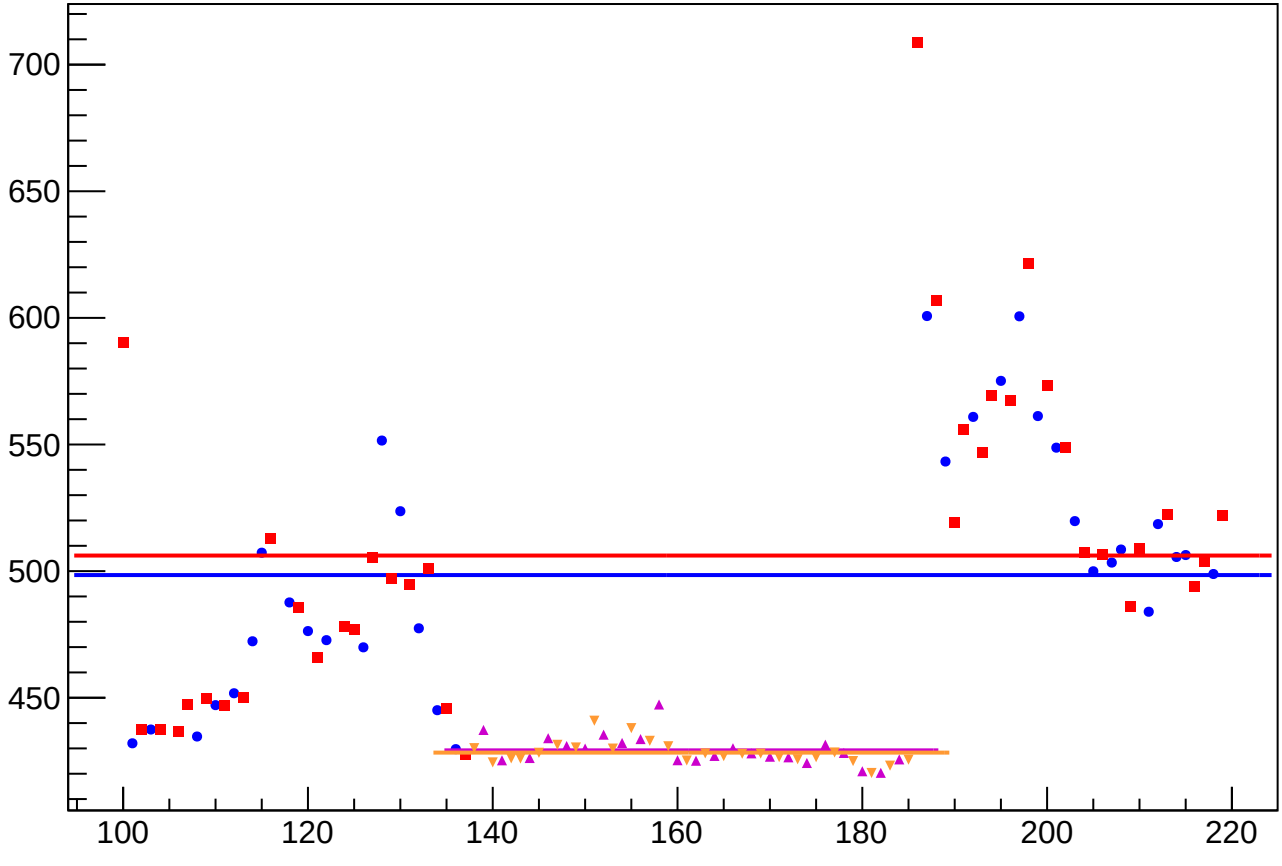
Right: 0.136+/-0.078 χ^2/NDF: 76.2/68

In: -0.026+/-0.075 χ^2/NDF:59.6/54

Out: 0.011+/-0.073 χ^2/NDF:72.6/61

All: -0.007+/-0.052 χ^2/NDF: 132.3/116

diff_bpm_4aX_4acX_dd_rms vs Slug, Sign Corrected



Right In: 498.448+/-0.079 χ^2/NDF: 336957.6/31

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 506.155+/-0.078 χ^2/NDF: 454195.0/36

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

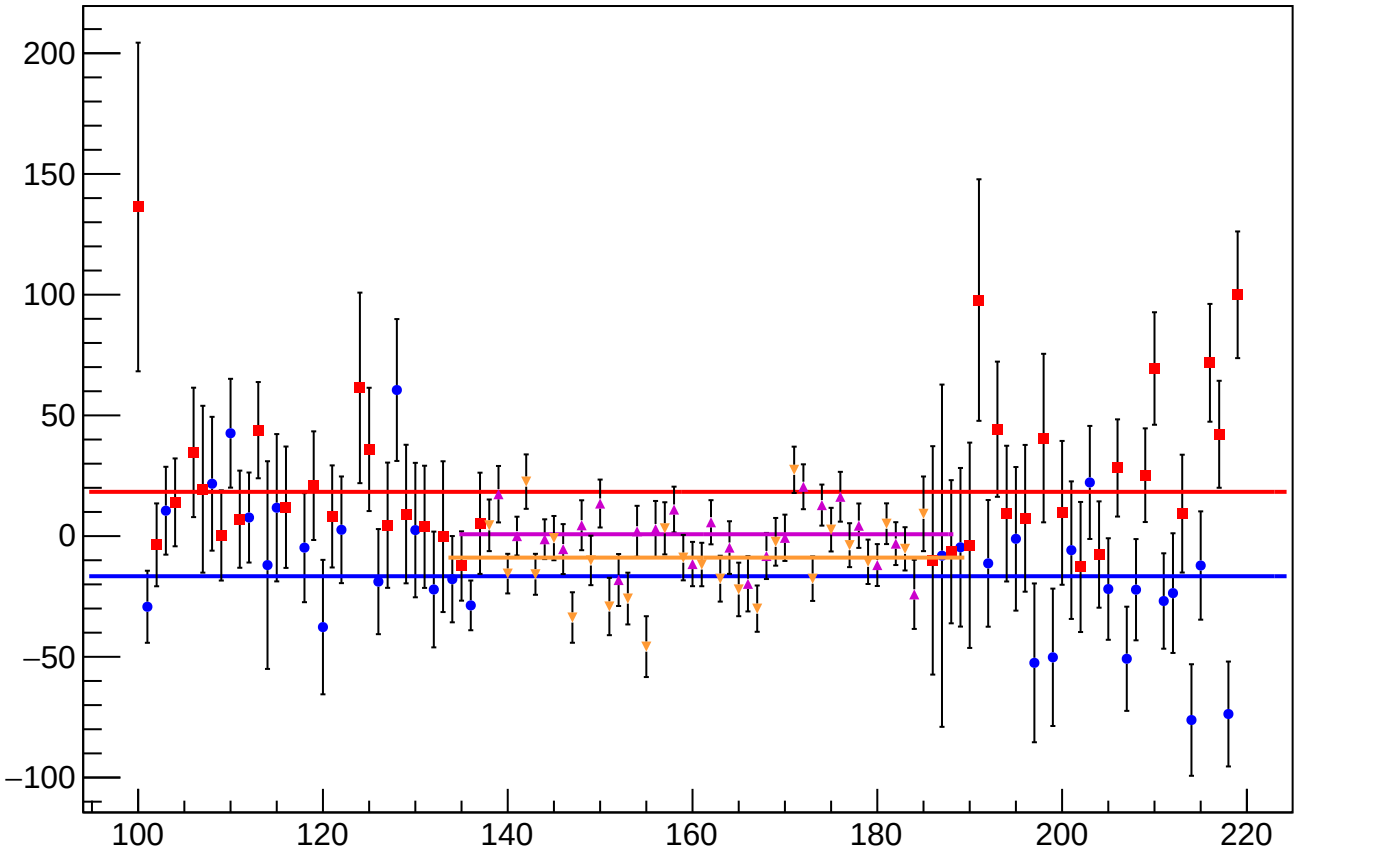
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

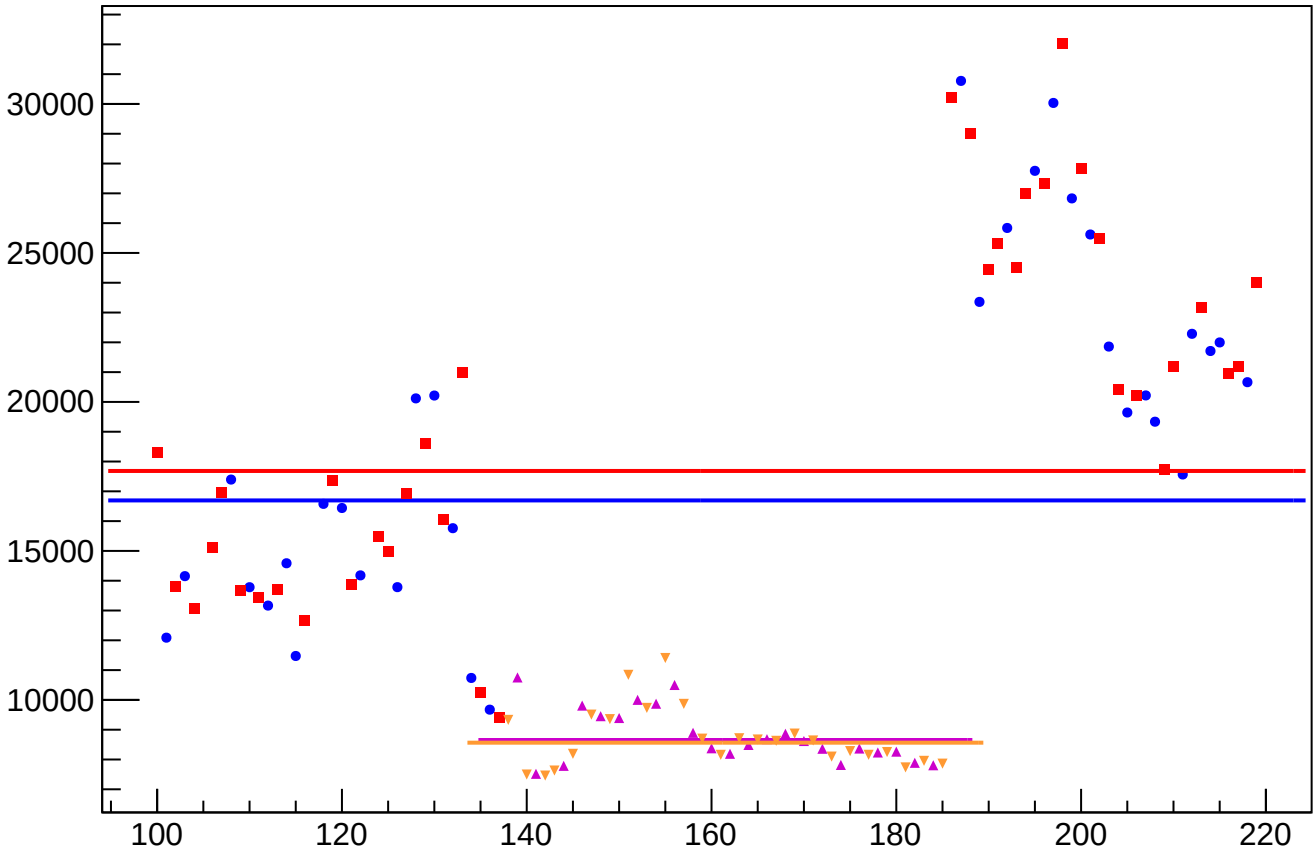
Right: 502.363+/-0.055 χ^2/NDF: 796018.4/68

In: 460.204+/-0.053 χ^2/NDF:770554.1/54

Out: 462.639+/-0.051 χ^2/NDF:1021914.0/61

All: 461.450+/-0.037 χ^2/NDF: 1793561.2/116


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: -16.617+/-3.916 χ²/NDF: 47.3/31
Left Out: -8.904+/-1.961 χ²/NDF:61.6/24
Right Out: 18.331+/-4.001 χ²/NDF: 45.1/36
Left In: 0.773+/-2.034 χ²/NDF:29.3/22
Left: -4.243+/-1.412 χ²/NDF: 102.6/47
Right: 0.481+/-2.799 χ²/NDF: 131.3/68
In: -2.922+/-1.805 χ²/NDF:92.1/54
Out: -3.630+/-1.761 χ²/NDF:144.0/61
All: -3.285+/-1.260 χ²/NDF: 236.2/116



Right In: 16694.621+/-2.769 χ^2/NDF: 3735611.1/31

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 17683.320+/-2.829 χ^2/NDF: 3784615.6/36

Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

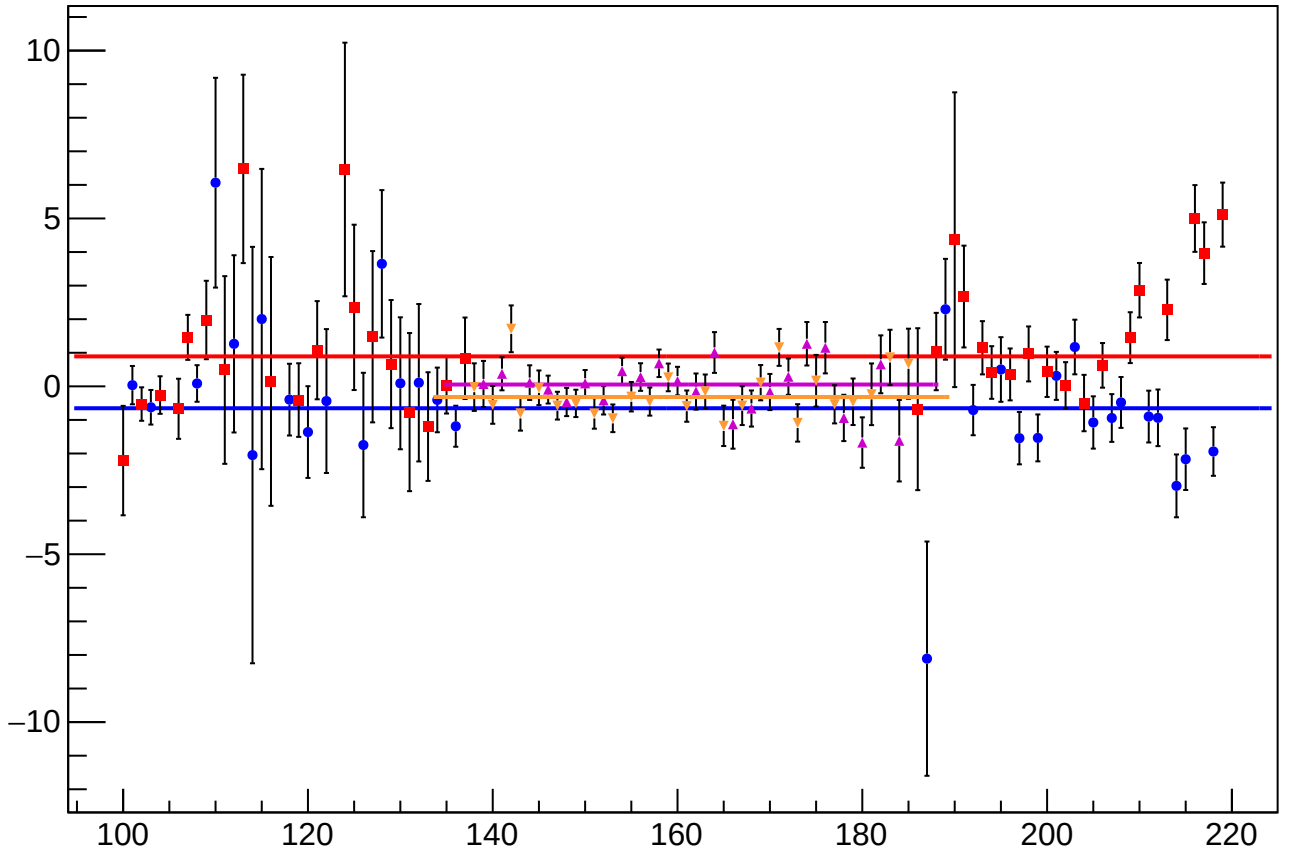
Left: 8607.718+/-0.998 χ^2/NDF: 748275.4/47

Right: 17178.349+/-1.979 χ^2/NDF: 7582601.8/68

In: 10362.478+/-1.276 χ^2/NDF:10721233.2/54

Out: 10330.444+/-1.245 χ^2/NDF:12562127.5/61

All: 10346.064+/-0.891 χ^2/NDF: 23283683.5/



Right In: -0.652+/-0.158 χ^2/NDF: 46.7/31

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.892+/-0.158 χ^2/NDF: 96.8/36

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

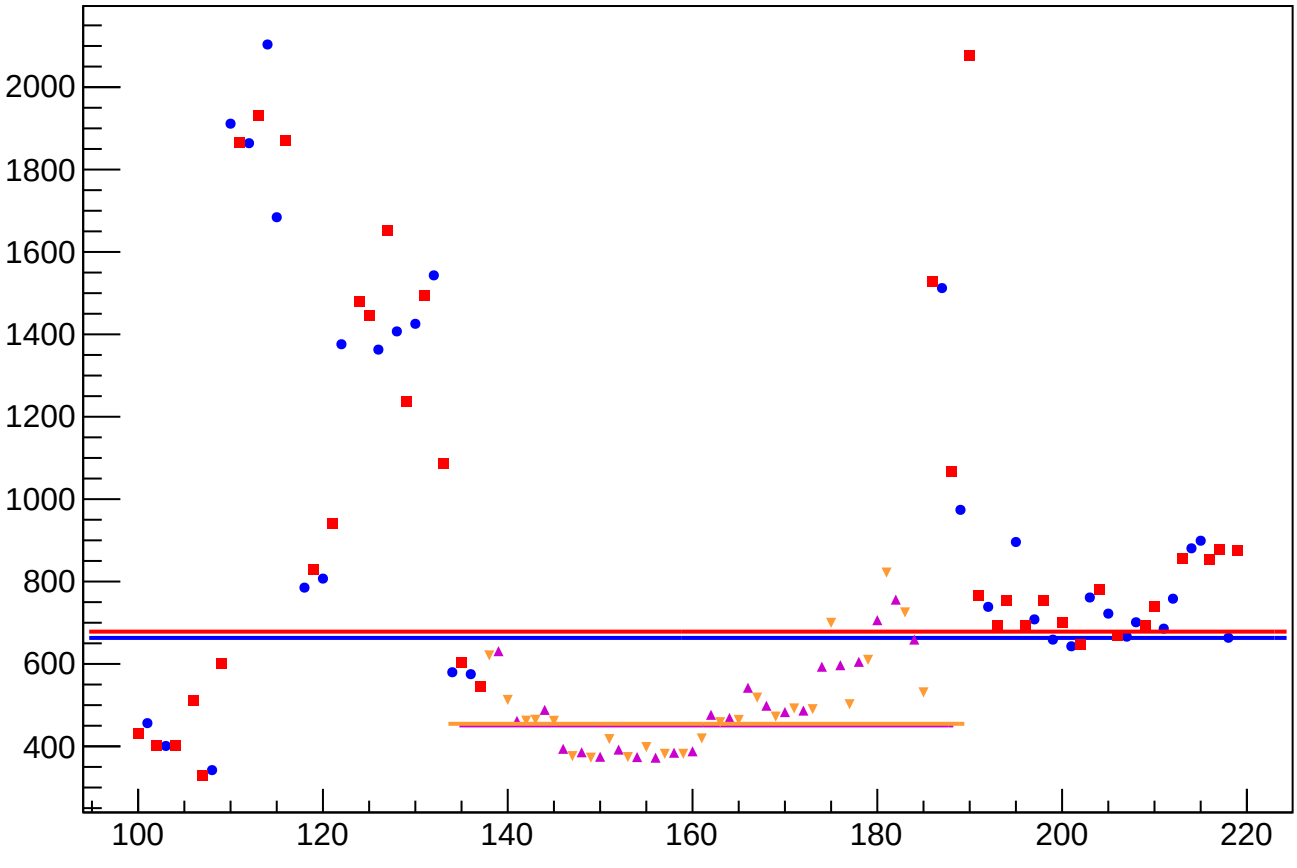
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: 0.119+/-0.112 χ^2/NDF: 191.2/68

In: -0.171+/-0.089 χ^2/NDF:90.1/54

Out: 0.057+/-0.088 χ^2/NDF:169.4/61

All: -0.056+/-0.063 χ^2/NDF: 262.9/116



Right In: 663.166+/-0.112 χ^2/NDF: 4433665.3/31

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 678.413+/-0.112 χ^2/NDF: 5090149.0/36

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

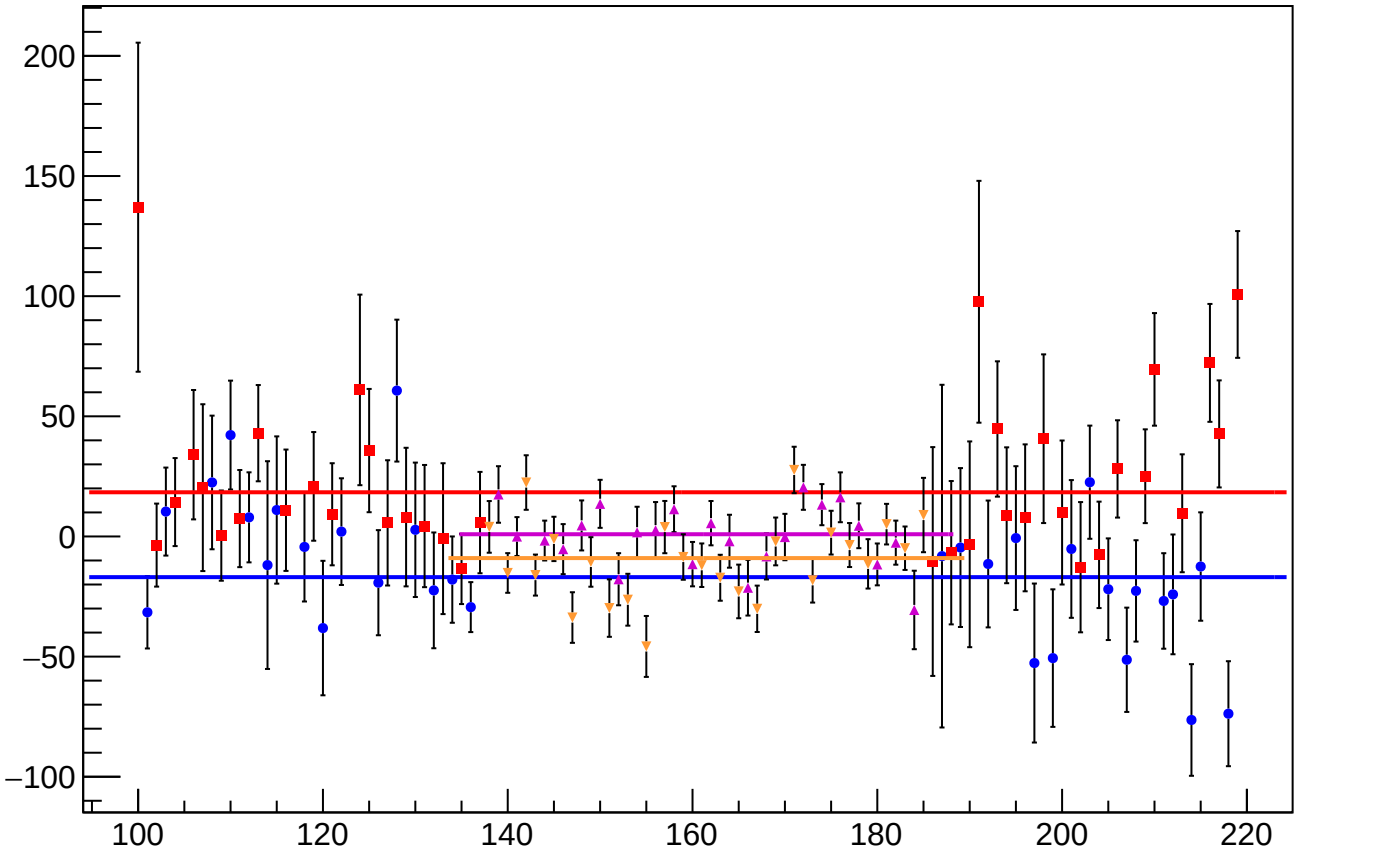
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

Right: 670.780+/-0.079 χ^2/NDF: 9533107.8/68

In: 518.480+/-0.063 χ^2/NDF:8364975.2/54

Out: 523.956+/-0.062 χ^2/NDF:9300730.8/61

All: 521.255+/-0.044 χ^2/NDF: 17669521.2/11



Right In: -16.931+/-3.941 χ^2/NDF: 47.5/31

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: 18.388+/-4.027 χ^2/NDF: 44.9/36

Left In: 0.925+/-2.056 χ^2/NDF:29.9/22

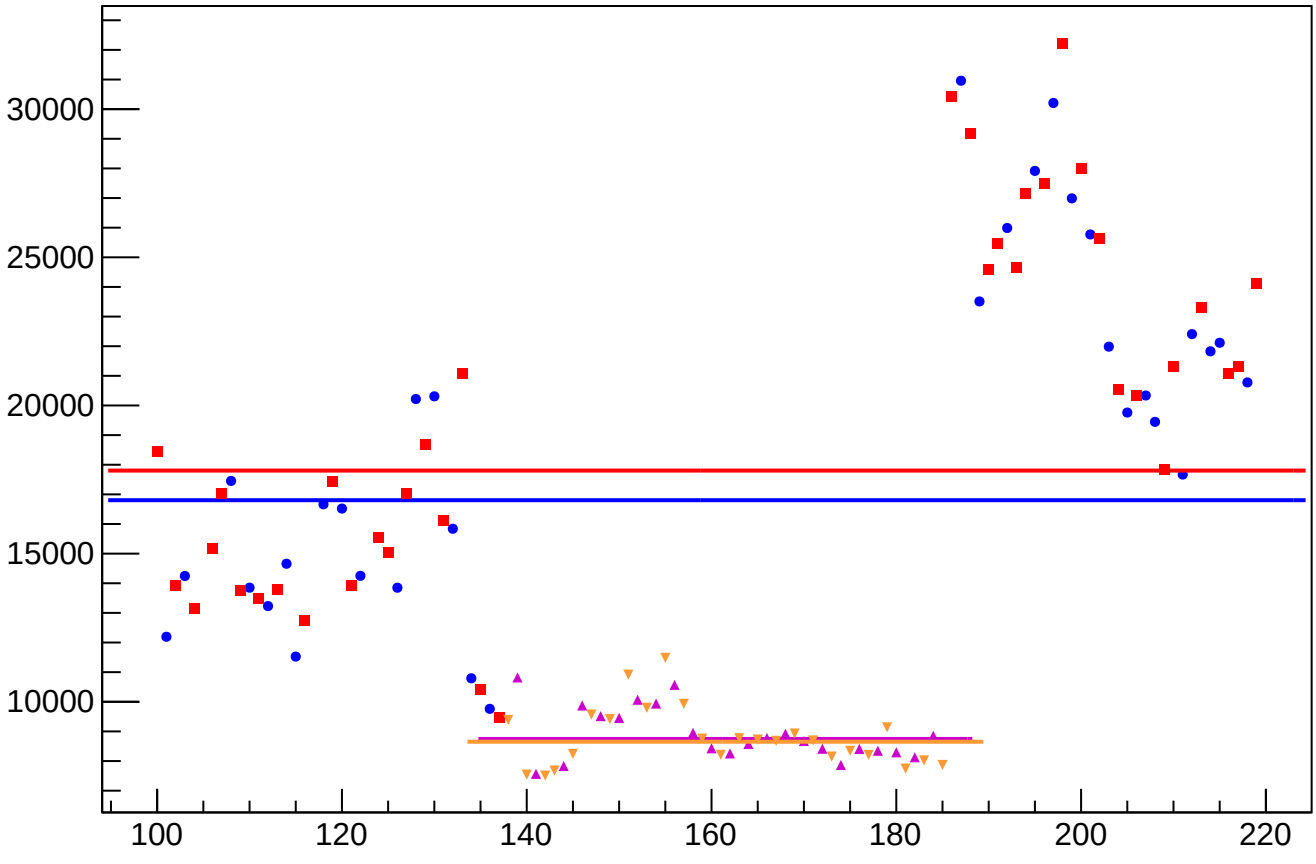
Left: -4.219+/-1.427 χ^2/NDF: 103.2/47

Right: 0.347+/-2.816 χ^2/NDF: 131.7/68

In: -2.894+/-1.823 χ^2/NDF:93.5/54

Out: -3.660+/-1.778 χ^2/NDF:143.4/61

All: -3.287+/-1.273 χ^2/NDF: 237.0/116



Right In: 16803.250+/-2.786 χ^2/NDF: 3717463.6/31

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 17802.736+/-2.847 χ^2/NDF: 3758571.7/36

Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

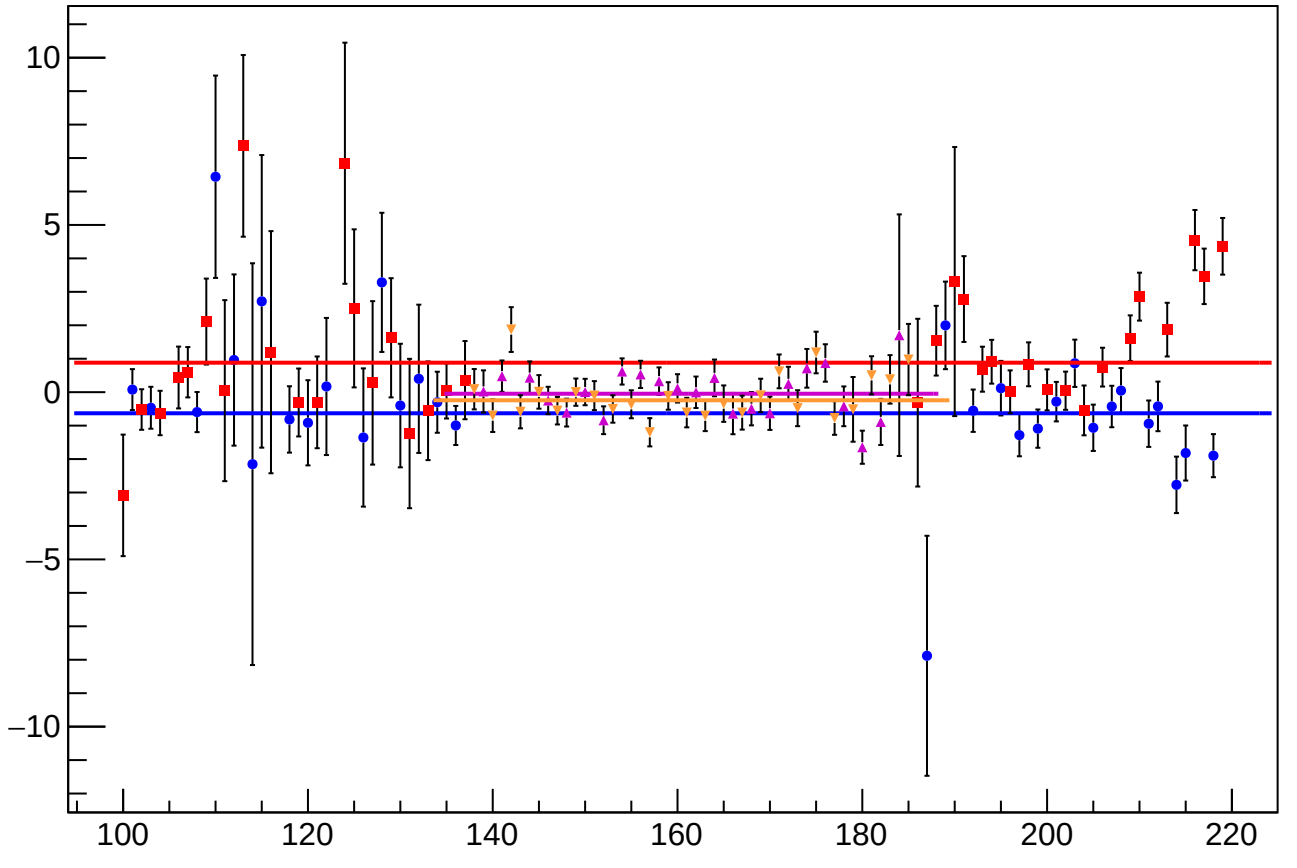
Left: 8697.266+/-1.009 χ^2/NDF: 738764.8/47

Right: 17292.186+/-1.992 χ^2/NDF: 7538974.2/68

In: 10469.567+/-1.289 χ^2/NDF:10621077.6/54

Out: 10436.107+/-1.257 χ^2/NDF:12478480.1/61

All: 10452.424+/-0.900 χ^2/NDF: 23099903.1



Right In: -0.631+/-0.147 χ^2/NDF: 42.2/31

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.881+/-0.148 χ^2/NDF: 97.2/36

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

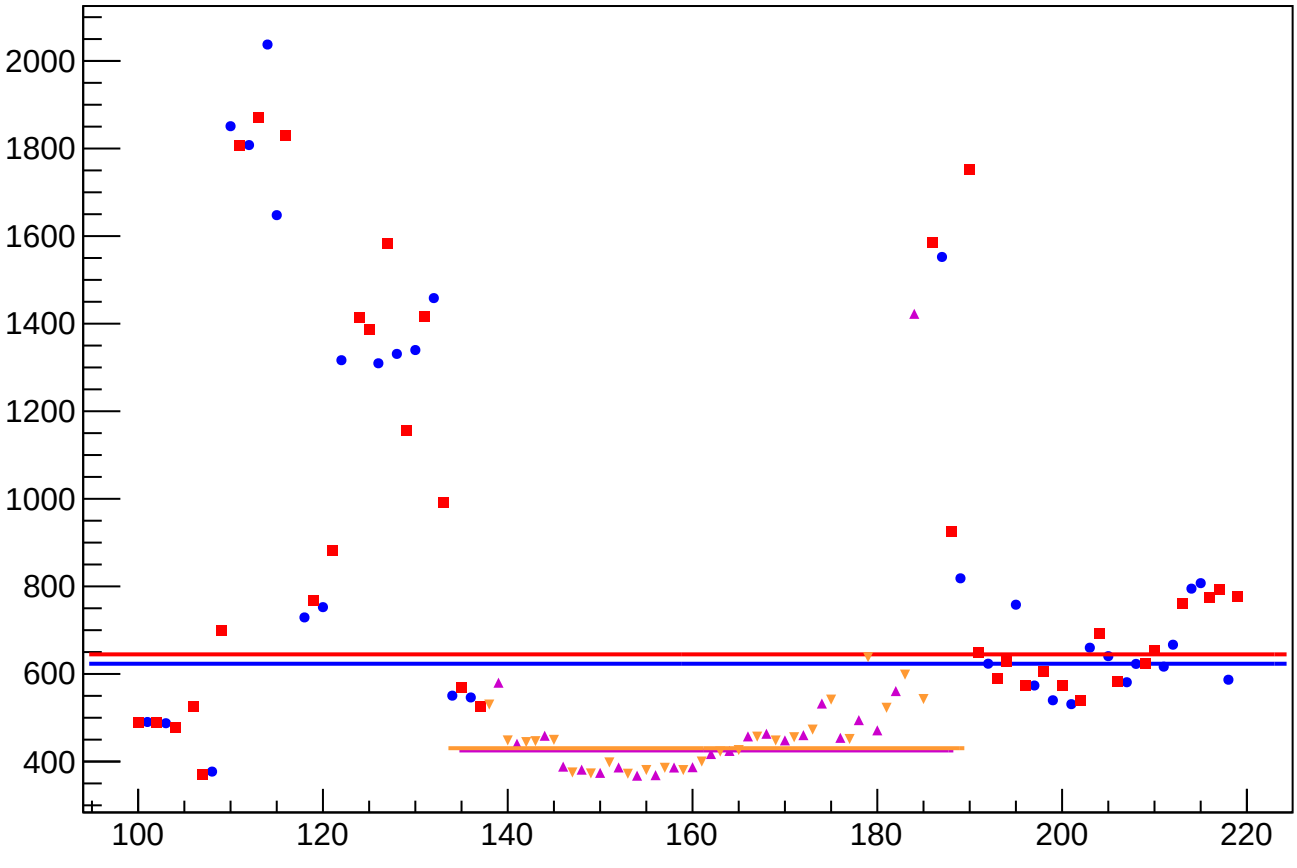
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

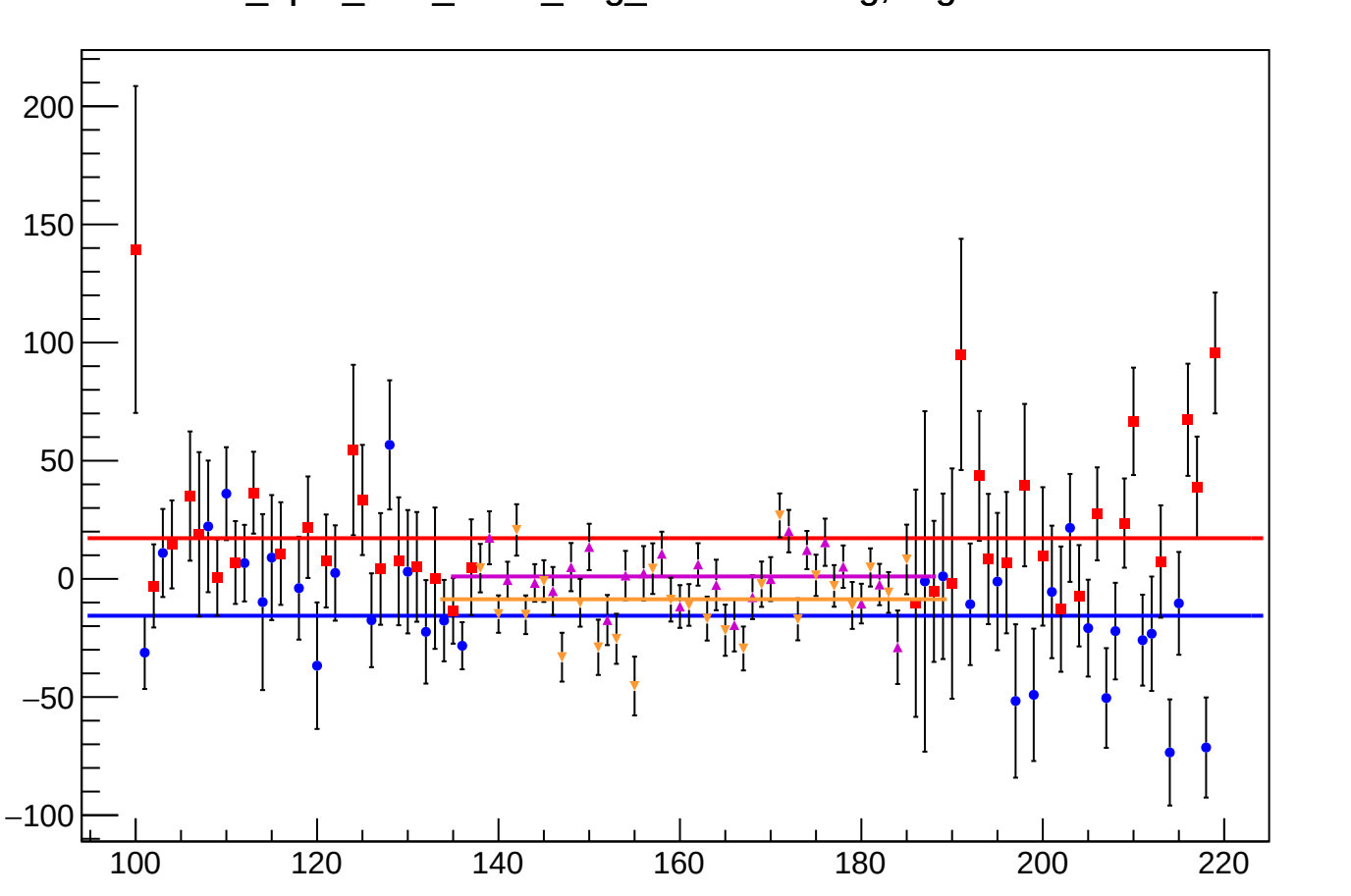
Right: 0.118+/-0.104 χ^2/NDF: 192.0/68

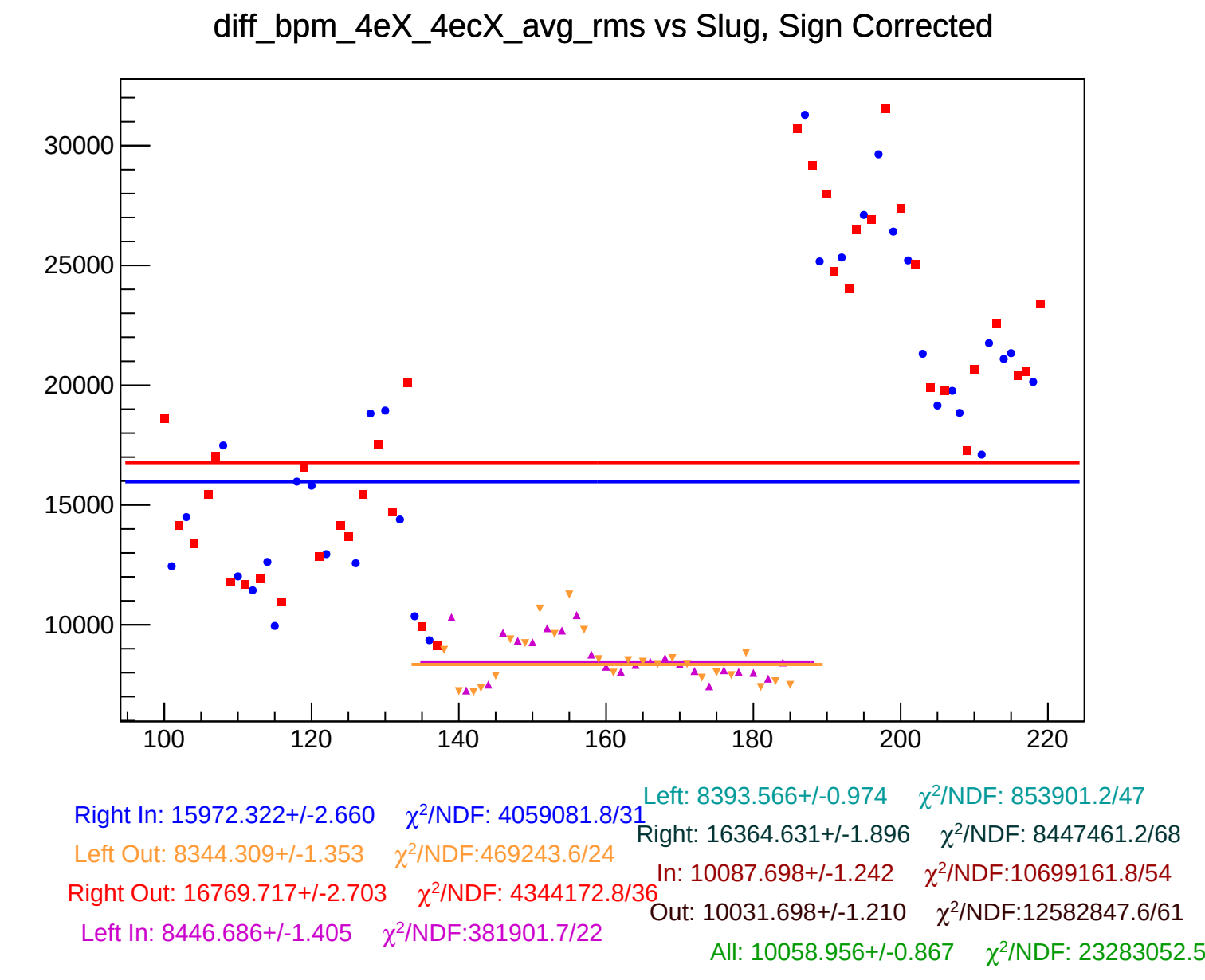
In: -0.236+/-0.084 χ^2/NDF:88.0/54

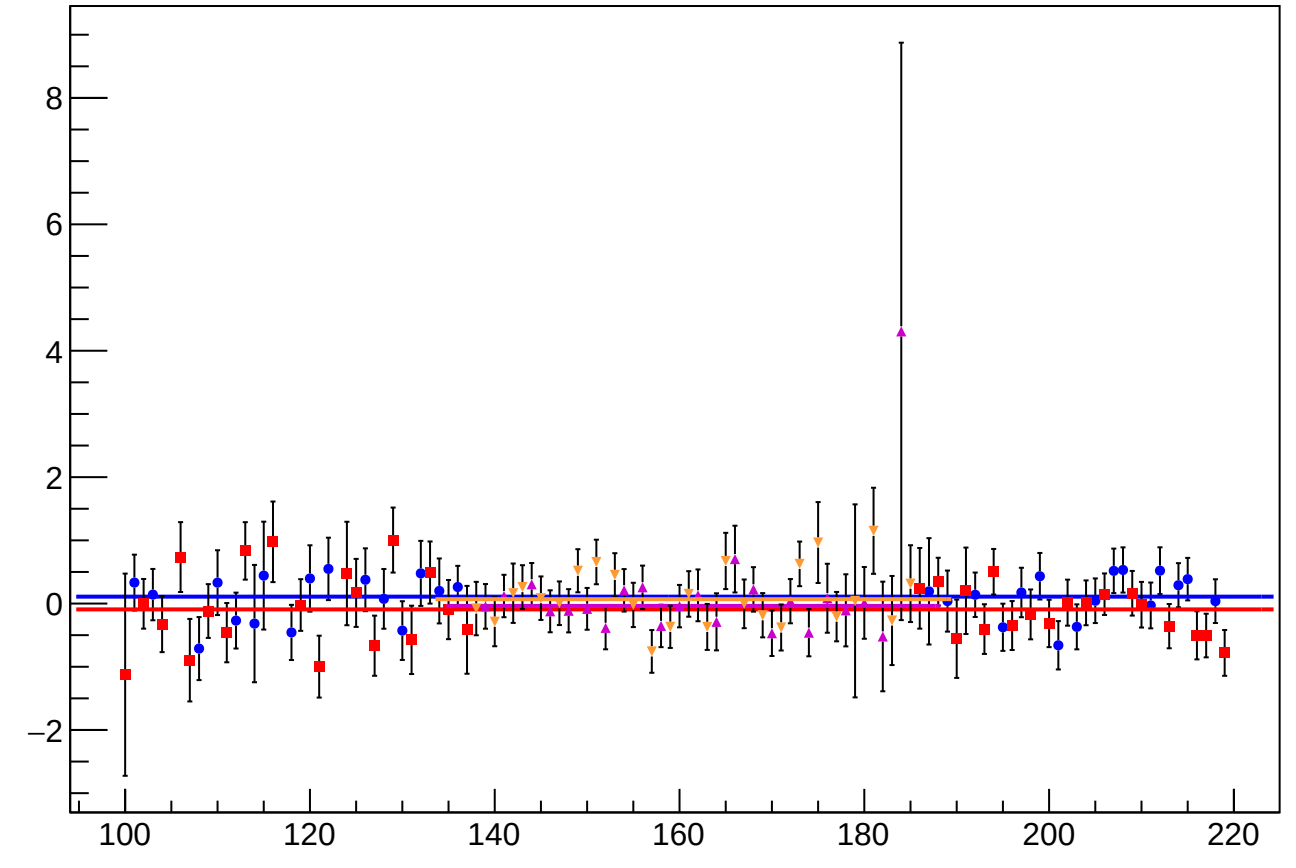
Out: 0.111+/-0.083 χ^2/NDF:170.9/61

All: -0.062+/-0.059 χ^2/NDF: 267.6/116


diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
600
400
100
120
140
160
180
200
220
Right In: 623.338+/-0.104 χ²/NDF: 3408695.6/31
Left Out: 430.437+/-0.071 χ²/NDF:648114.1/24
Right Out: 644.768+/-0.105 χ²/NDF: 3743099.2/36
Left In: 425.312+/-0.072 χ²/NDF:716953.2/22
Left: 427.910+/-0.050 χ²/NDF: 1367648.1/47
Right: 633.951+/-0.074 χ²/NDF: 7172927.2/68
In: 489.488+/-0.059 χ²/NDF:6588681.6/54
Out: 497.736+/-0.059 χ²/NDF:7263996.1/61
All: 493.637+/-0.042 χ²/NDF: 13862491.2/11


diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -15.602+/-3.762 χ²/NDF: 48.5/31
Left Out: -8.623+/-1.913 χ²/NDF:61.6/24
Right Out: 17.212+/-3.823 χ²/NDF: 43.6/36
Left In: 1.027+/-1.987 χ²/NDF:29.8/22
Left: -3.980+/-1.378 χ²/NDF: 103.6/47
Right: 0.542+/-2.681 χ²/NDF: 129.5/68
In: -2.599+/-1.757 χ²/NDF:93.5/54
Out: -3.449+/-1.711 χ²/NDF:141.8/61
All: -3.035+/-1.226 χ²/NDF: 235.4/116


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 15972.322+/-2.660 χ²/NDF: 4059081.8/31
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 16769.717+/-2.703 χ²/NDF: 4344172.8/36
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 16364.631+/-1.896 χ²/NDF: 8447461.2/68
In: 10087.698+/-1.242 χ²/NDF:10699161.8/54
Out: 10031.698+/-1.210 χ²/NDF:12582847.6/61
All: 10058.956+/-0.867 χ²/NDF: 23283052.5



Right In: 0.109+/-0.074 χ^2/NDF: 22.9/31

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: -0.092+/-0.072 χ^2/NDF: 39.3/36

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

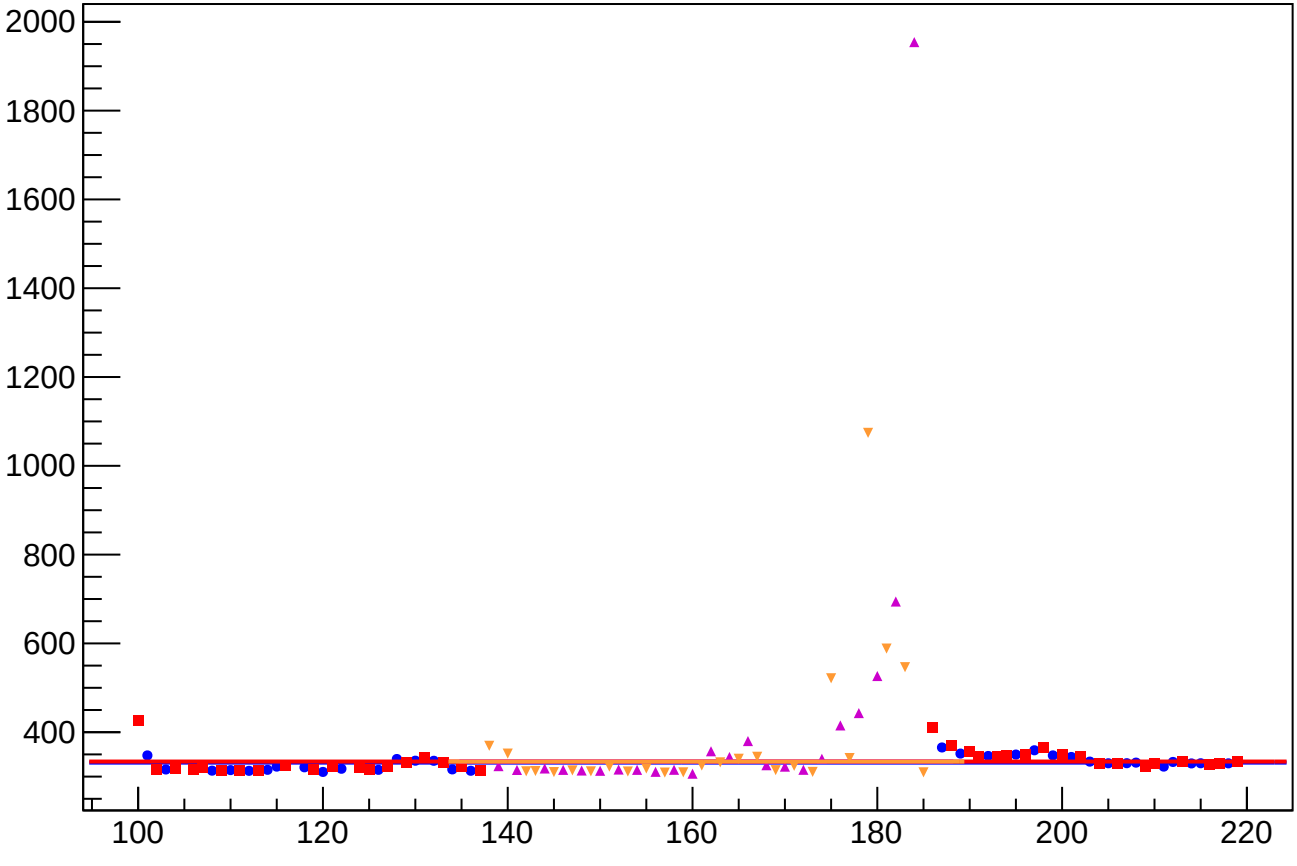
Right: 0.006+/-0.052 χ^2/NDF: 66.0/68

In: 0.043+/-0.055 χ^2/NDF:36.4/54

Out: -0.019+/-0.053 χ^2/NDF:69.8/61

All: 0.011+/-0.038 χ^2/NDF: 106.8/116

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 331.475+/-0.052 χ^2/NDF: 64373.9/31

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 333.934+/-0.051 χ^2/NDF: 119773.9/36

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

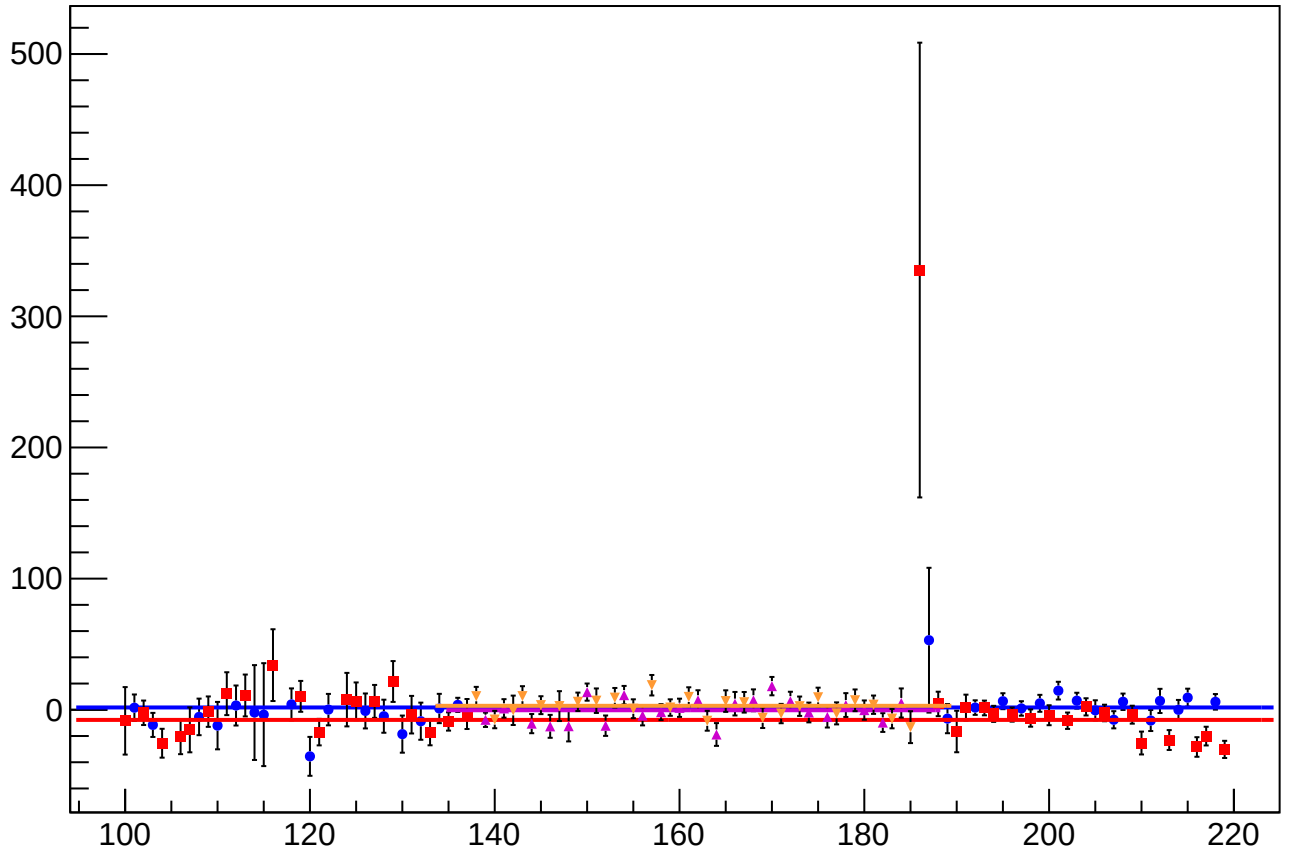
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 332.735+/-0.036 χ^2/NDF: 185282.6/68

In: 332.614+/-0.039 χ^2/NDF:1116402.8/54

Out: 333.865+/-0.038 χ^2/NDF:1337034.8/61

All: 333.255+/-0.027 χ^2/NDF: 2453976.4/116



Right In: 1.768+/-1.487 χ^2/NDF: 25.3/31

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -7.720+/-1.456 χ^2/NDF: 65.3/36

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

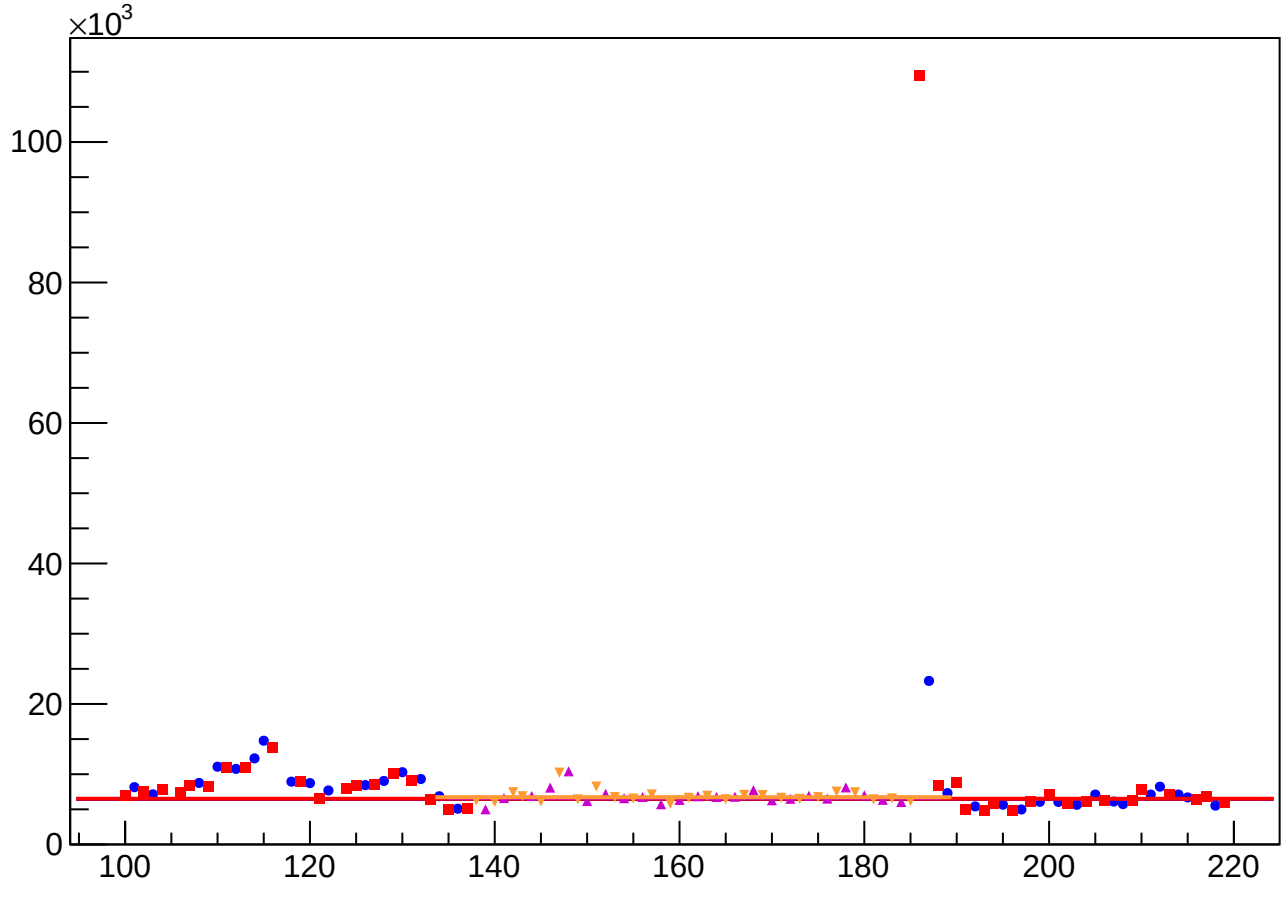
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -3.075+/-1.040 χ^2/NDF: 111.3/68

In: 0.765+/-1.079 χ^2/NDF:60.0/54

Out: -2.654+/-1.059 χ^2/NDF:111.2/61

All: -0.977+/-0.756 χ^2/NDF: 176.4/116



Right In: 6470.690+/-1.051 χ^2/NDF: 1885280.3/31

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6501.673+/-1.030 χ^2/NDF: 2457223.1/36

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

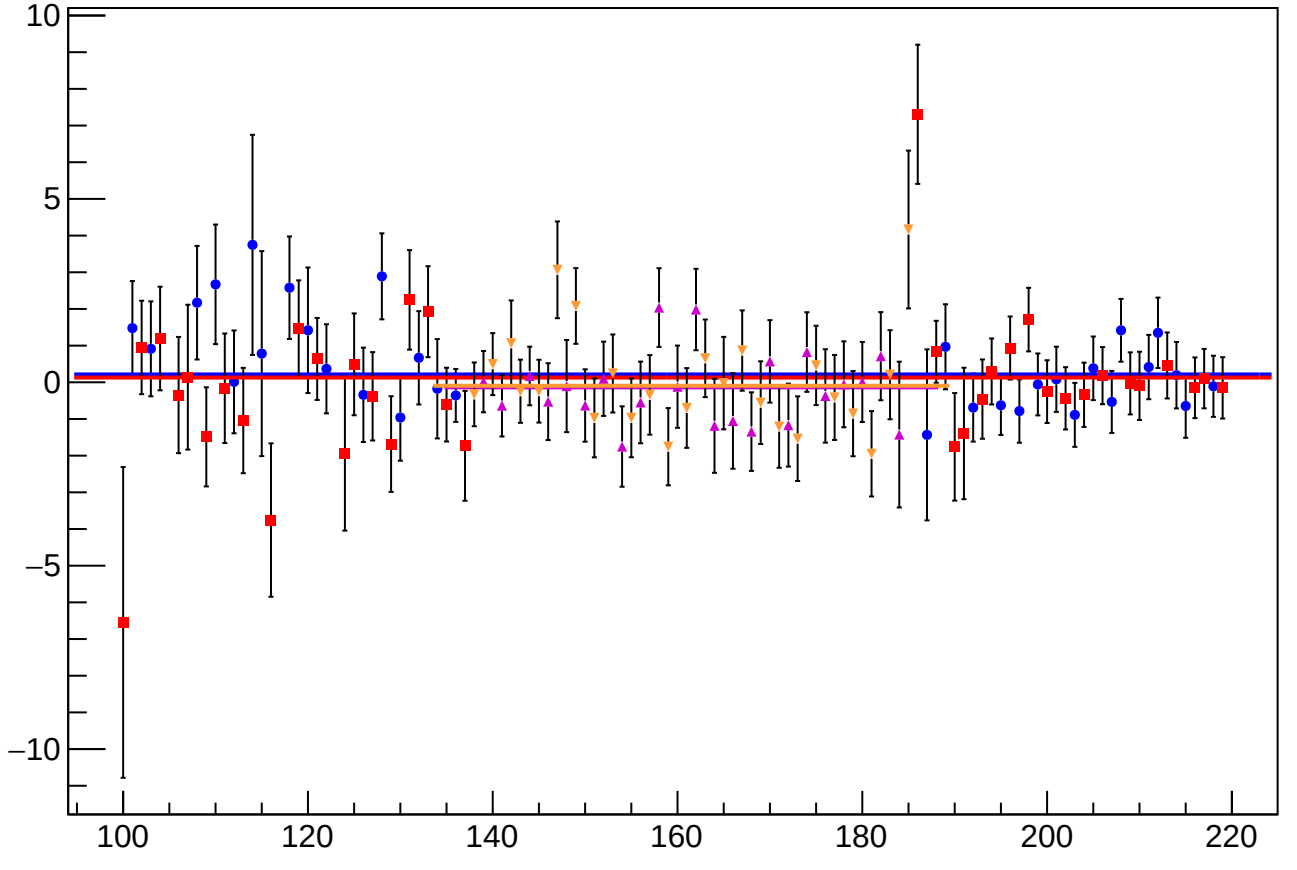
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6486.503+/-0.736 χ^2/NDF: 4342946.6/68

In: 6547.387+/-0.763 χ^2/NDF:2526014.4/54

Out: 6606.033+/-0.749 χ^2/NDF:2882321.6/61

All: 6577.269+/-0.534 χ^2/NDF: 5411346.4/11



Right In: 0.214+/-0.186 χ^2/NDF: 28.6/31

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.129+/-0.180 χ^2/NDF: 43.4/36

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

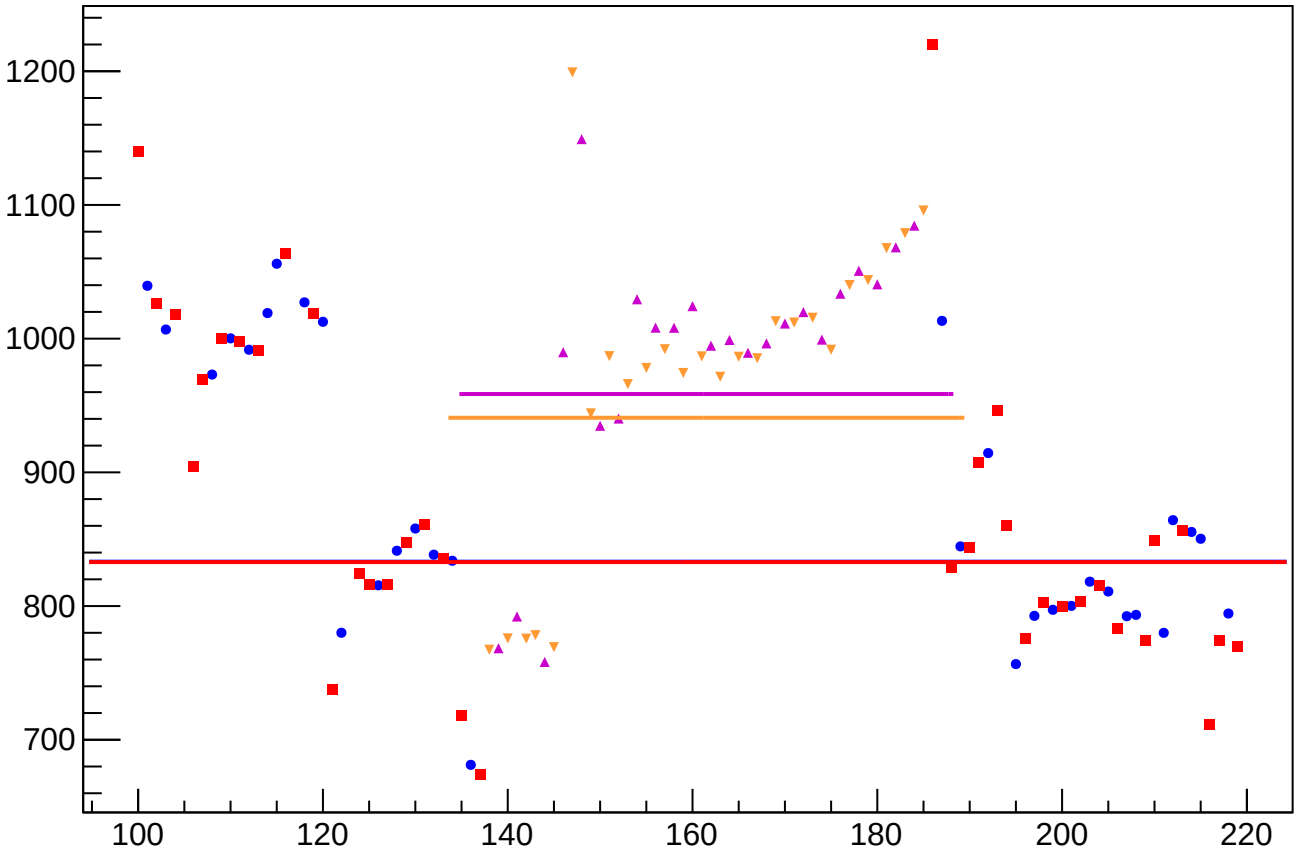
Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

Right: 0.170+/-0.130 χ^2/NDF: 72.1/68

In: 0.071+/-0.144 χ^2/NDF:46.5/54

Out: 0.037+/-0.138 χ^2/NDF:71.4/61

All: 0.053+/-0.100 χ^2/NDF: 118.0/116



Right In: 833.188+/-0.132 χ^2/NDF: 408457.3/31

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 832.902+/-0.128 χ^2/NDF: 525311.6/36

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

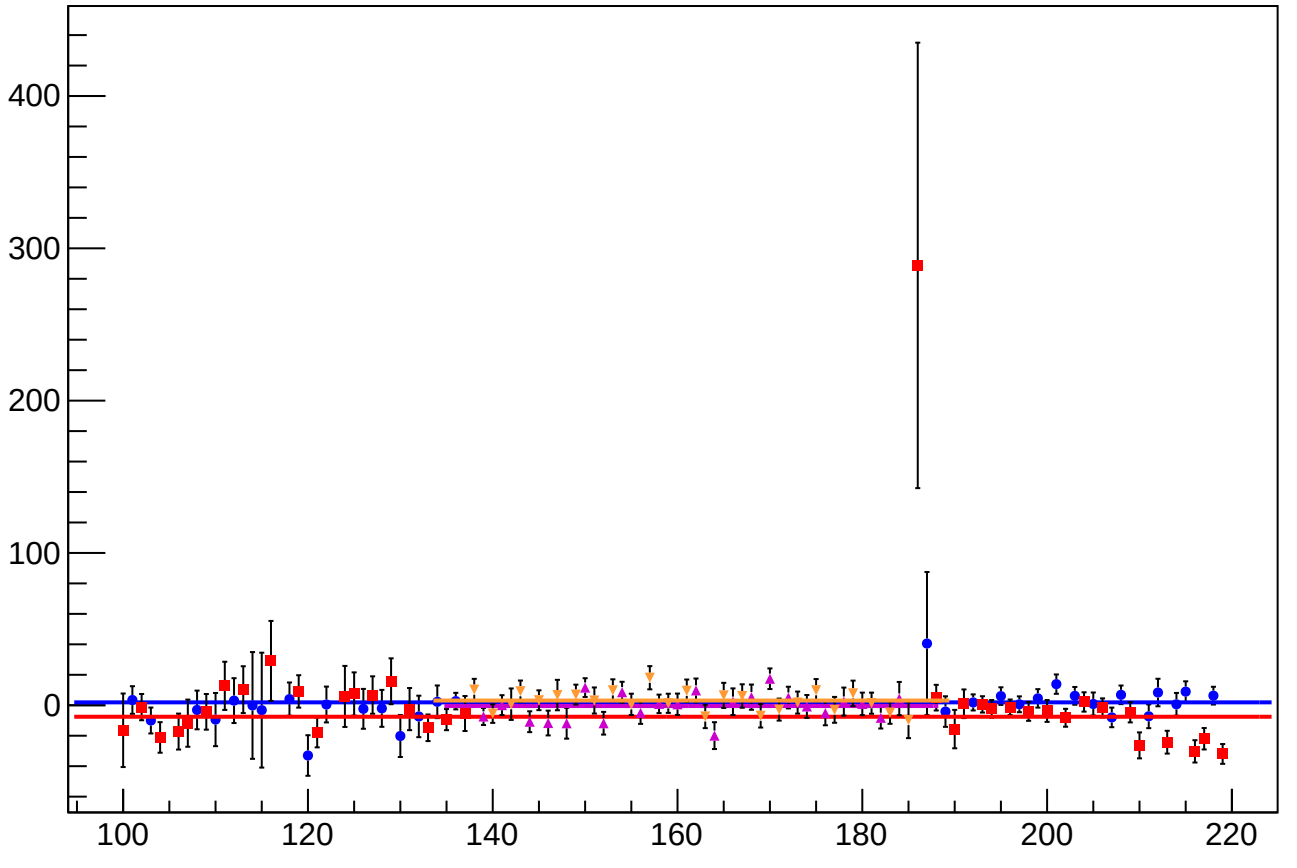
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 833.040+/-0.092 χ^2/NDF: 933771.4/68

In: 884.079+/-0.102 χ^2/NDF:1233212.1/54

Out: 877.428+/-0.098 χ^2/NDF:1389225.7/61

All: 880.630+/-0.070 χ^2/NDF: 2624663.4/116



Right In: 1.900+/-1.429 χ^2/NDF: 25.2/31

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -7.545+/-1.394 χ^2/NDF: 72.1/36

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

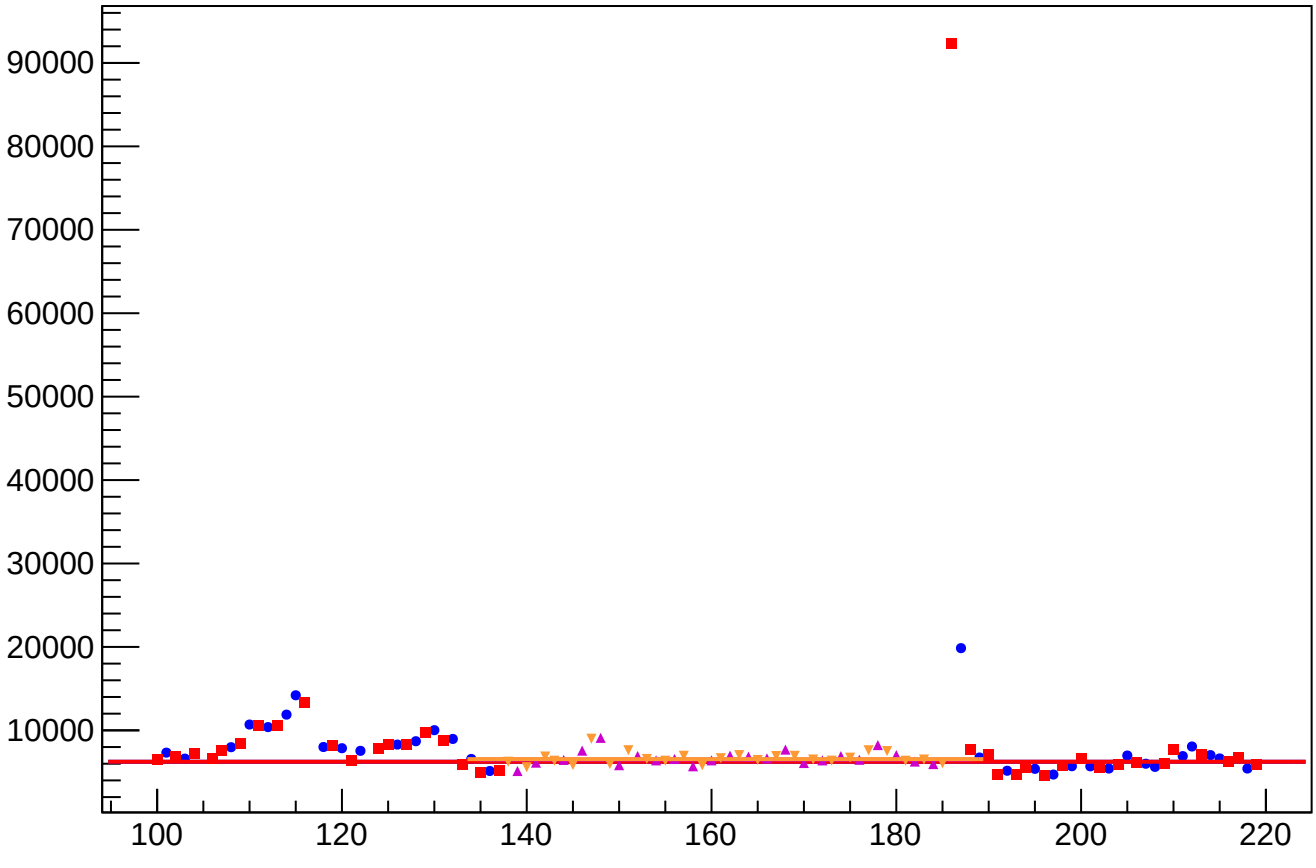
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -2.941+/-0.998 χ^2/NDF: 119.7/68

In: 0.777+/-1.046 χ^2/NDF:58.6/54

Out: -2.613+/-1.021 χ^2/NDF:117.7/61

All: -0.959+/-0.731 χ^2/NDF: 181.6/116



Right In: 6231.100+/-1.011 χ^2/NDF: 1806657.8/31

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6236.130+/-0.986 χ^2/NDF: 2403754.8/36

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

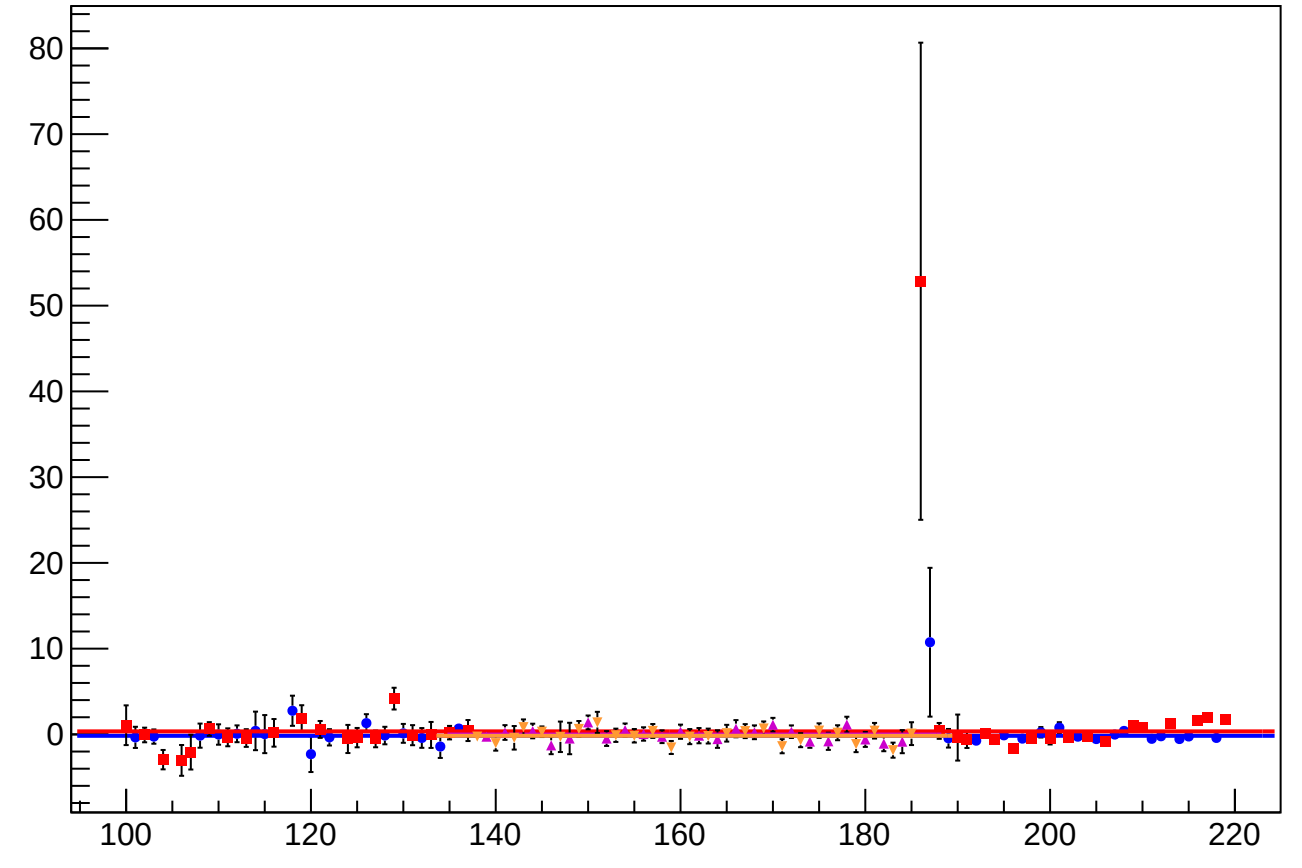
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 6233.678+/-0.706 χ^2/NDF: 4210425.2/68

In: 6358.344+/-0.740 χ^2/NDF:2356277.7/54

Out: 6381.045+/-0.722 χ^2/NDF:2816478.5/61

All: 6369.968+/-0.517 χ^2/NDF: 5173238.5/11



Right In: -0.165+/-0.117 χ^2/NDF: 19.1/31

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.353+/-0.116 χ^2/NDF: 102.1/36

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

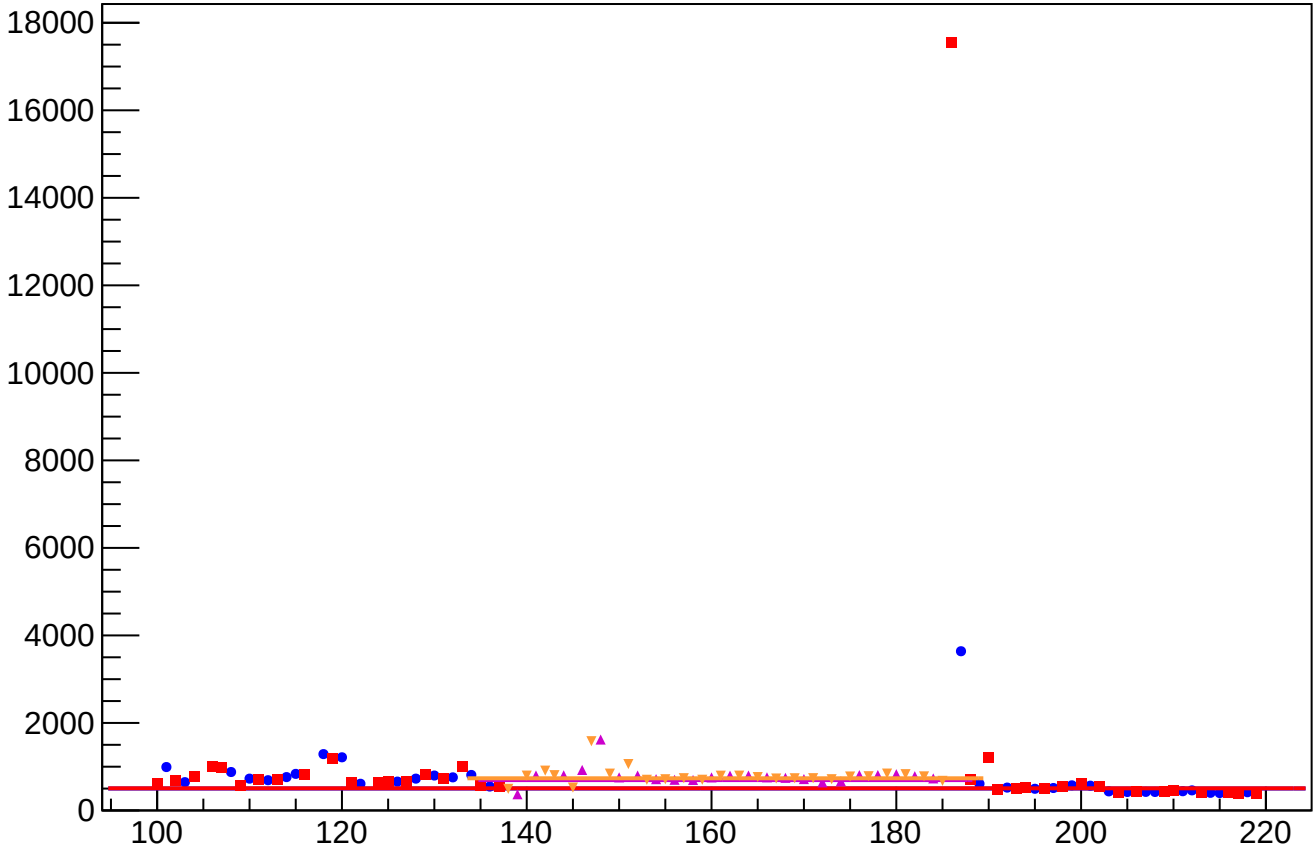
Right: 0.096+/-0.082 χ^2/NDF: 131.1/68

In: -0.117+/-0.096 χ^2/NDF:34.9/54

Out: 0.193+/-0.096 χ^2/NDF:127.2/61

All: 0.038+/-0.068 χ^2/NDF: 167.3/116

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 500.832+/-0.082 χ^2/NDF: 2817194.5/31

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 506.039+/-0.082 χ^2/NDF: 3393972.1/36

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

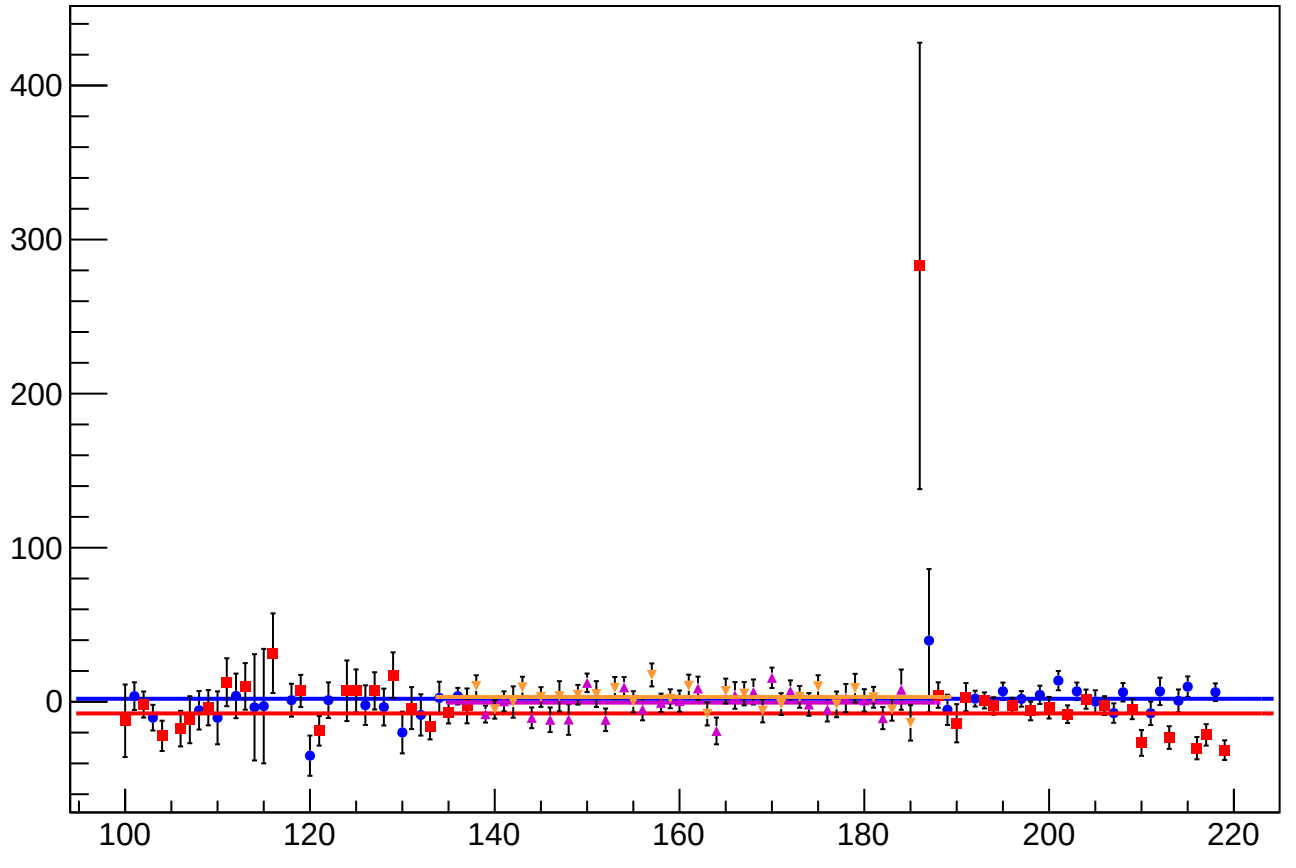
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 503.459+/-0.058 χ^2/NDF: 6213177.2/68

In: 563.182+/-0.068 χ^2/NDF:6813771.2/54

Out: 577.198+/-0.068 χ^2/NDF:7172531.3/61

All: 570.194+/-0.048 χ^2/NDF: 14007624.9/1



Right In: 1.949+/-1.402 χ^2/NDF: 27.7/31

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -7.564+/-1.367 χ^2/NDF: 72.5/36

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

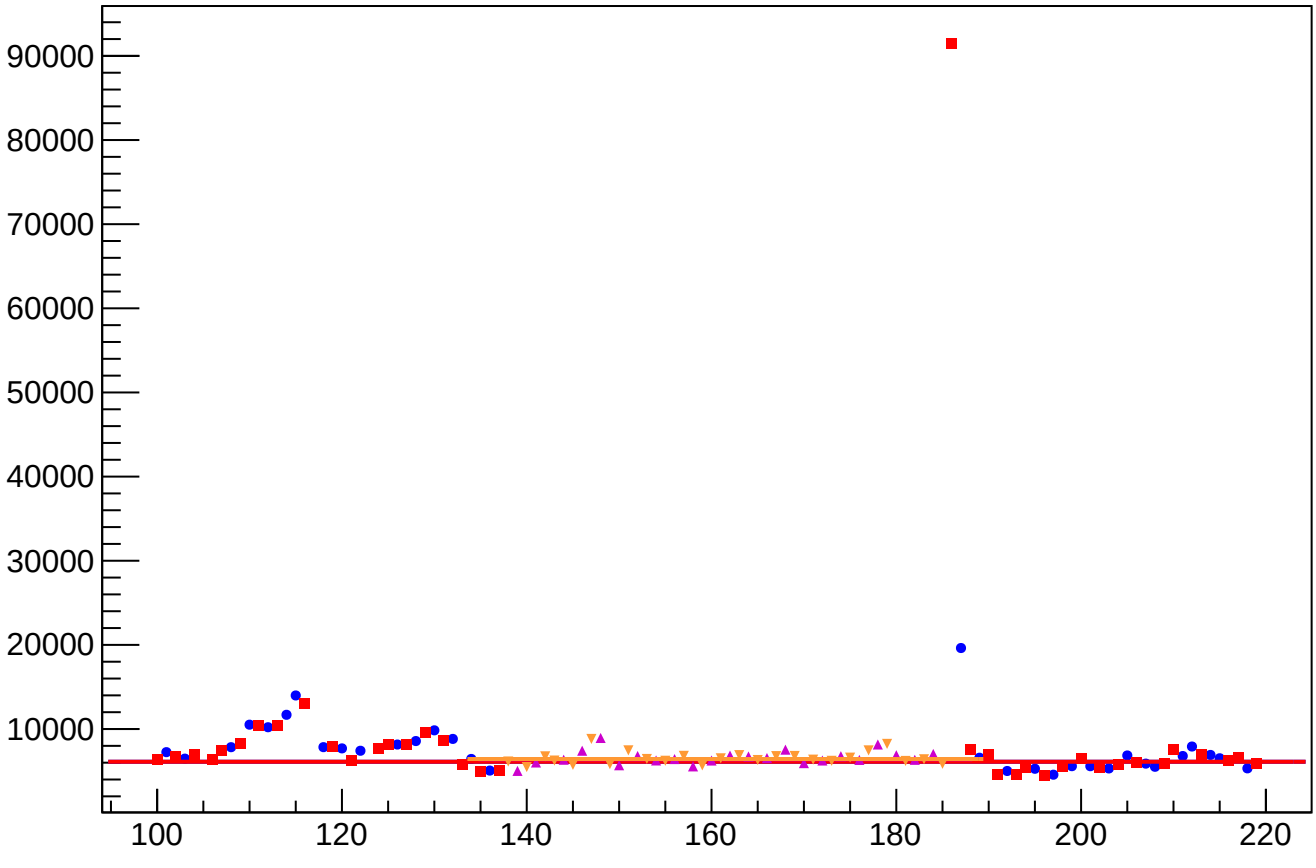
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -2.928+/-0.979 χ^2/NDF: 123.7/68

In: 0.794+/-1.028 χ^2/NDF:62.7/54

Out: -2.635+/-1.003 χ^2/NDF:119.3/61

All: -0.963+/-0.718 χ^2/NDF: 187.8/116



Right In: 6108.523+/-0.992 χ^2/NDF: 1837659.4/31

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6112.024+/-0.967 χ^2/NDF: 2430142.7/36

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

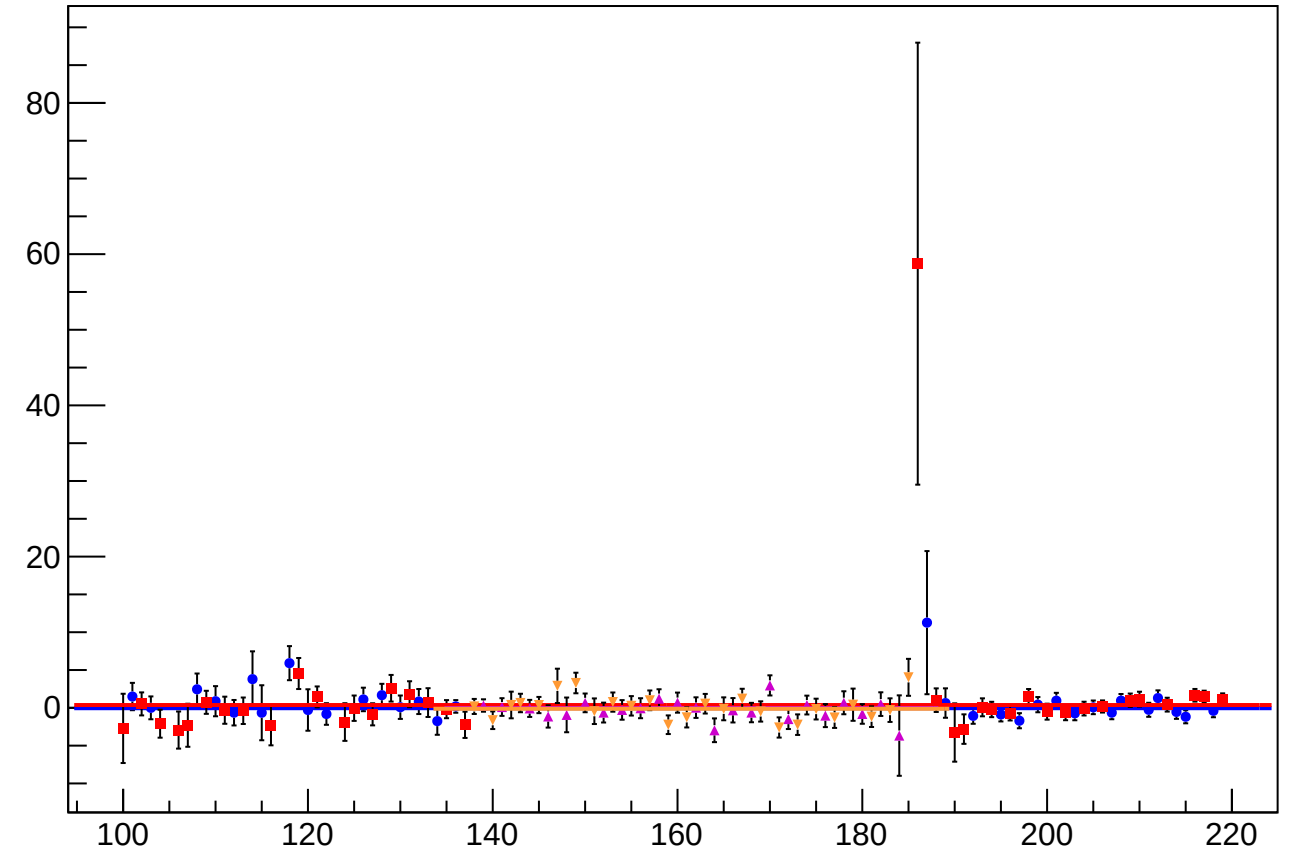
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 6110.318+/-0.692 χ^2/NDF: 4267808.5/68

In: 6245.682+/-0.727 χ^2/NDF:2404128.4/54

Out: 6261.312+/-0.709 χ^2/NDF:2899109.9/61

All: 6253.691+/-0.508 χ^2/NDF: 5303475.1/11



Right In: -0.051+/-0.212 χ^2/NDF: 27.5/31

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.370+/-0.208 χ^2/NDF: 36.1/36

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

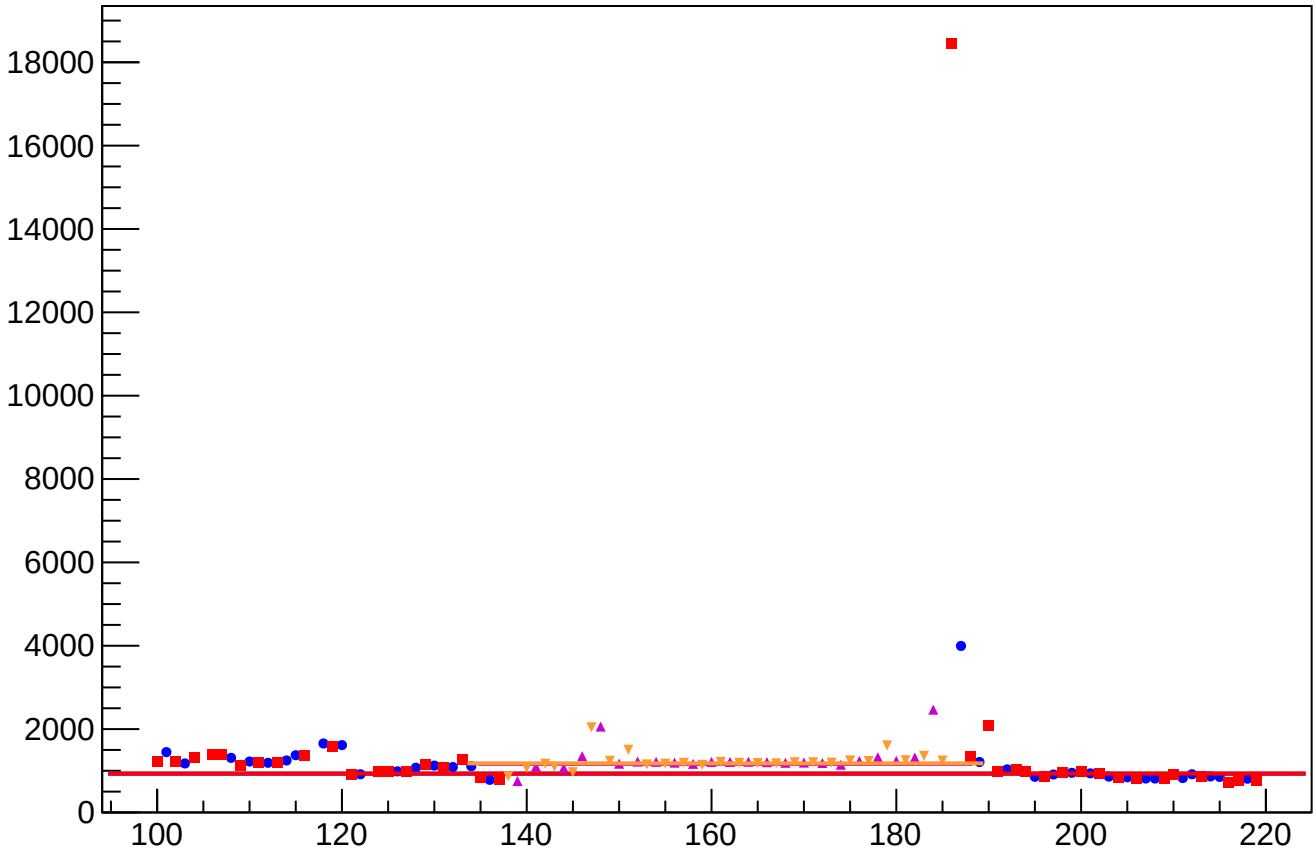
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: 0.163+/-0.149 χ^2/NDF: 65.6/68

In: -0.043+/-0.169 χ^2/NDF:41.9/54

Out: 0.189+/-0.166 χ^2/NDF:65.1/61

All: 0.075+/-0.118 χ^2/NDF: 108.0/116



Right In: 930.882+/-0.150 χ^2/NDF: 1381628.9/31

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 933.832+/-0.147 χ^2/NDF: 2285040.0/36

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

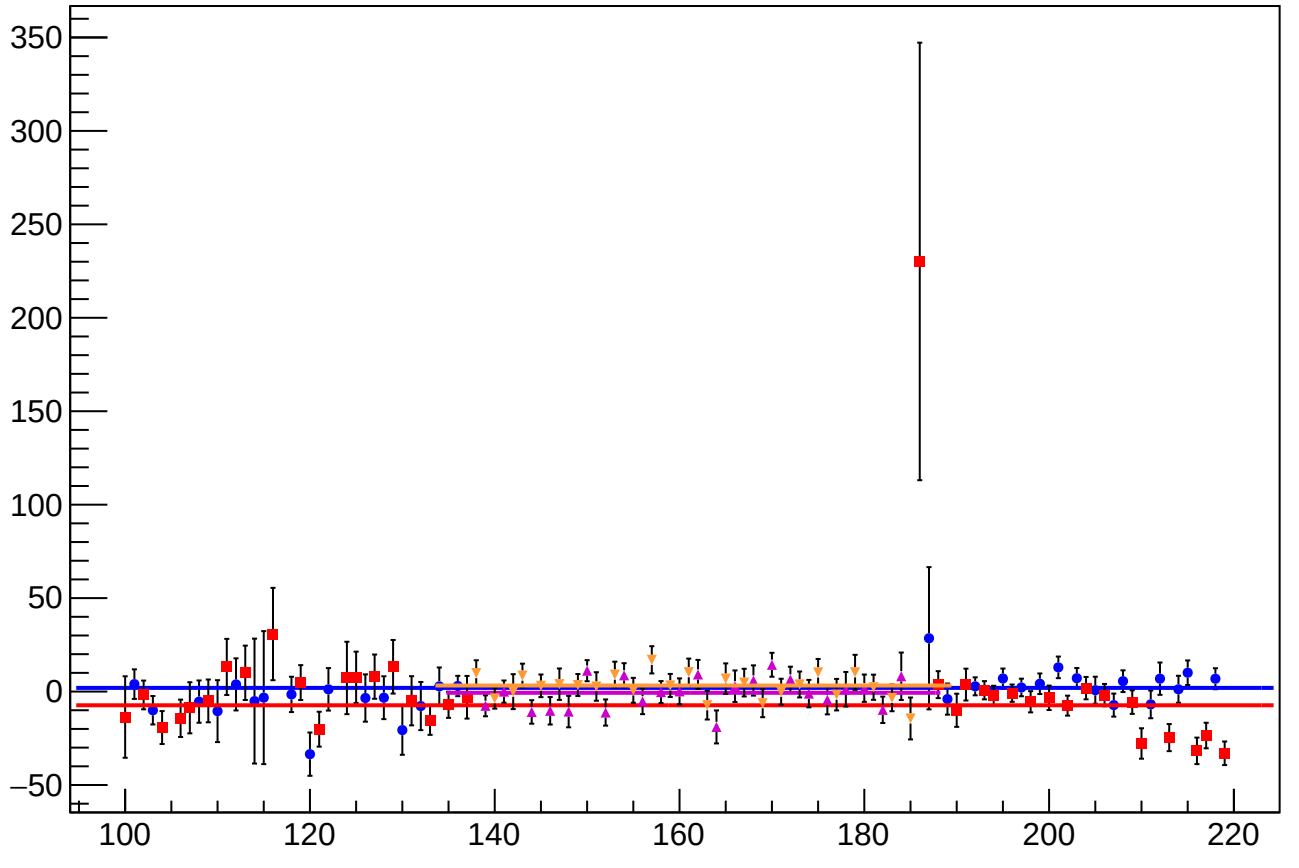
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 932.381+/-0.105 χ^2/NDF: 3666865.8/68

In: 1016.278+/-0.119 χ^2/NDF:3319619.5/54

Out: 1023.509+/-0.117 χ^2/NDF:4092686.9/61

All: 1019.956+/-0.084 χ^2/NDF: 7414176.0/11



Right In: 1.962+/-1.333 χ^2/NDF: 30.3/31

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -7.342+/-1.290 χ^2/NDF: 82.6/36

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

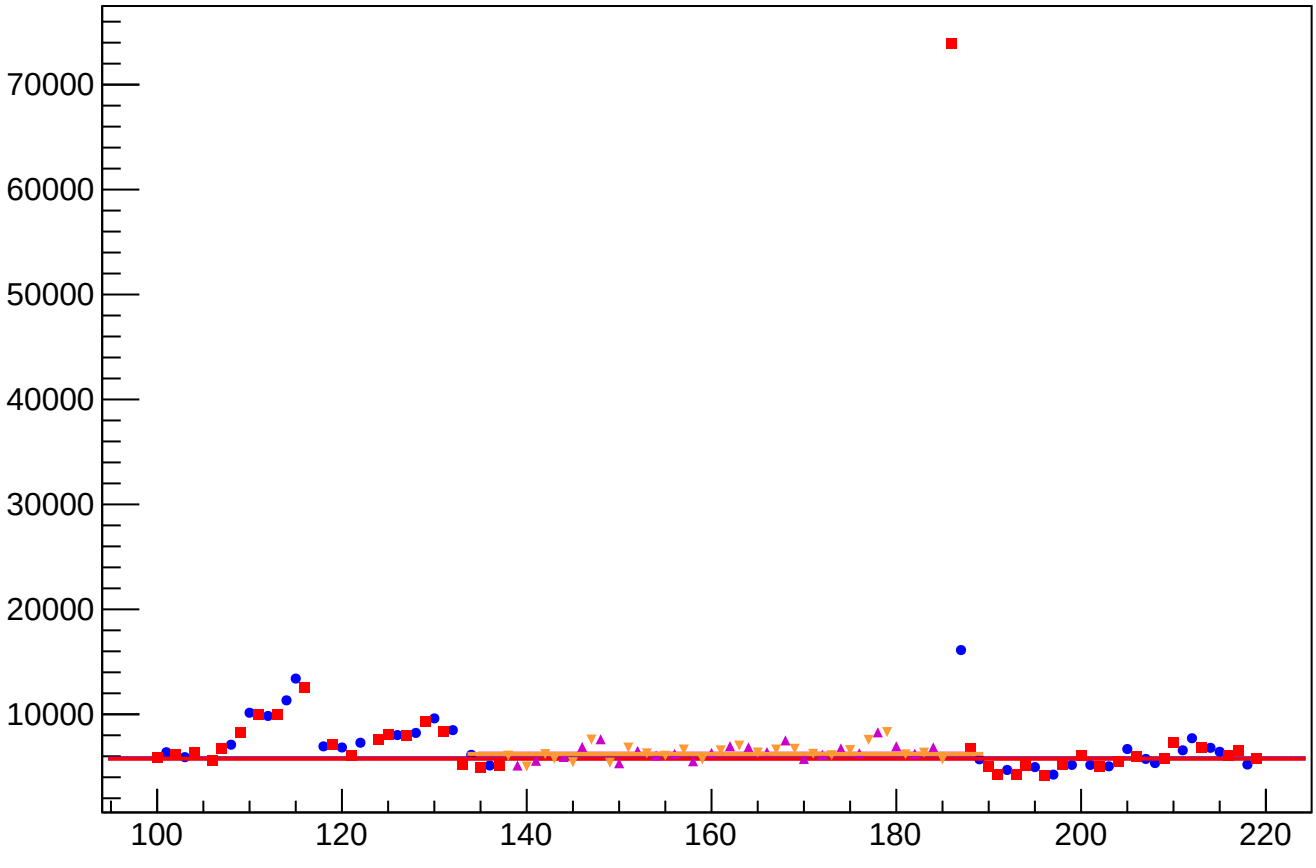
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -2.840+/-0.927 χ^2/NDF: 138.1/68

In: 0.779+/-0.988 χ^2/NDF:64.5/54

Out: -2.594+/-0.958 χ^2/NDF:130.6/61

All: -0.960+/-0.688 χ^2/NDF: 201.1/116



Right In: 5807.085+/-0.942 χ^2/NDF: 1851801.0/31

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5770.009+/-0.912 χ^2/NDF: 2508409.6/36

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

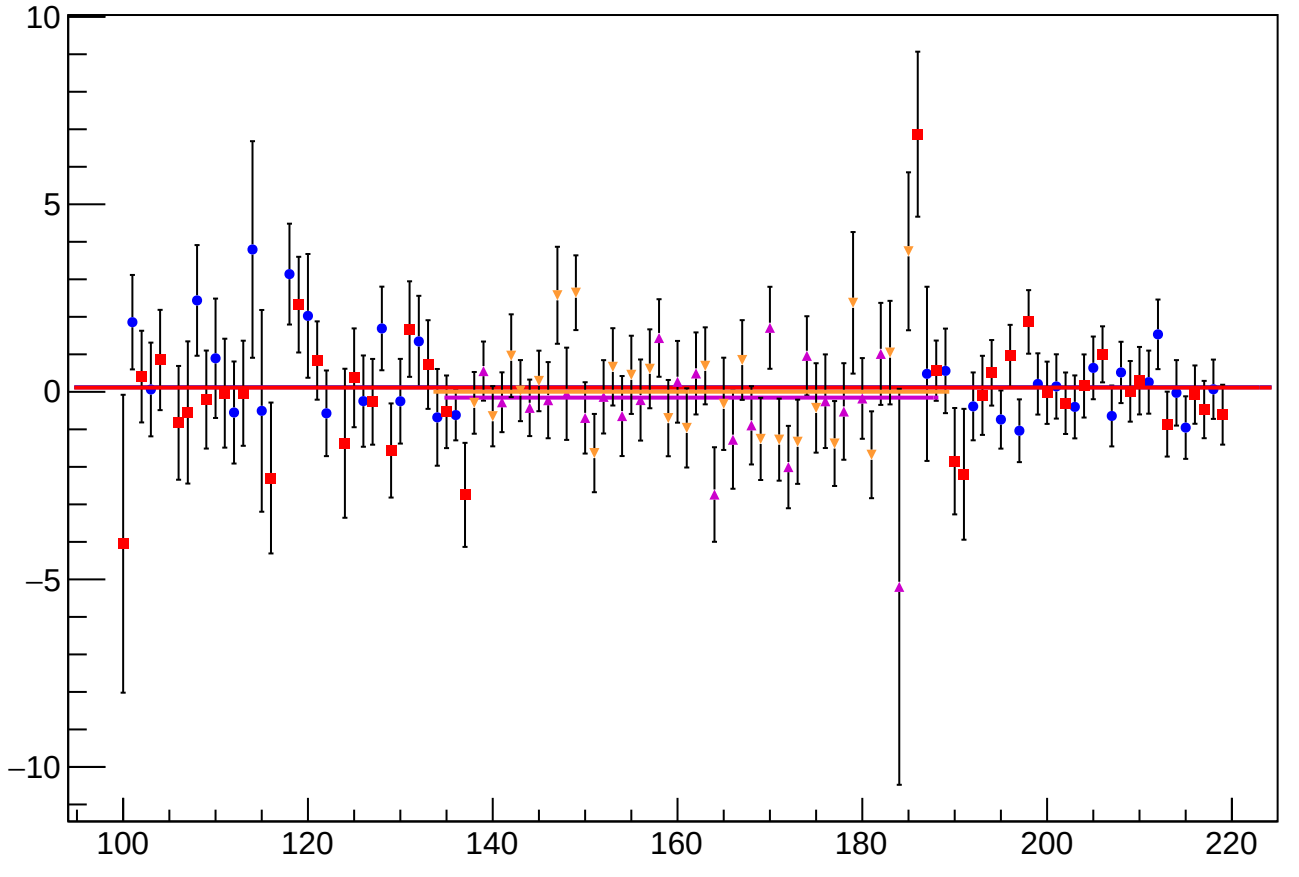
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5787.949+/-0.656 χ^2/NDF: 4361009.4/68

In: 6004.919+/-0.699 χ^2/NDF:2434731.2/54

Out: 5975.927+/-0.677 χ^2/NDF:3092693.2/61

All: 5989.968+/-0.486 χ^2/NDF: 5528311.7/11



Right In: 0.122+/-0.179 χ^2/NDF: 27.6/31

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.114+/-0.173 χ^2/NDF: 39.4/36

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

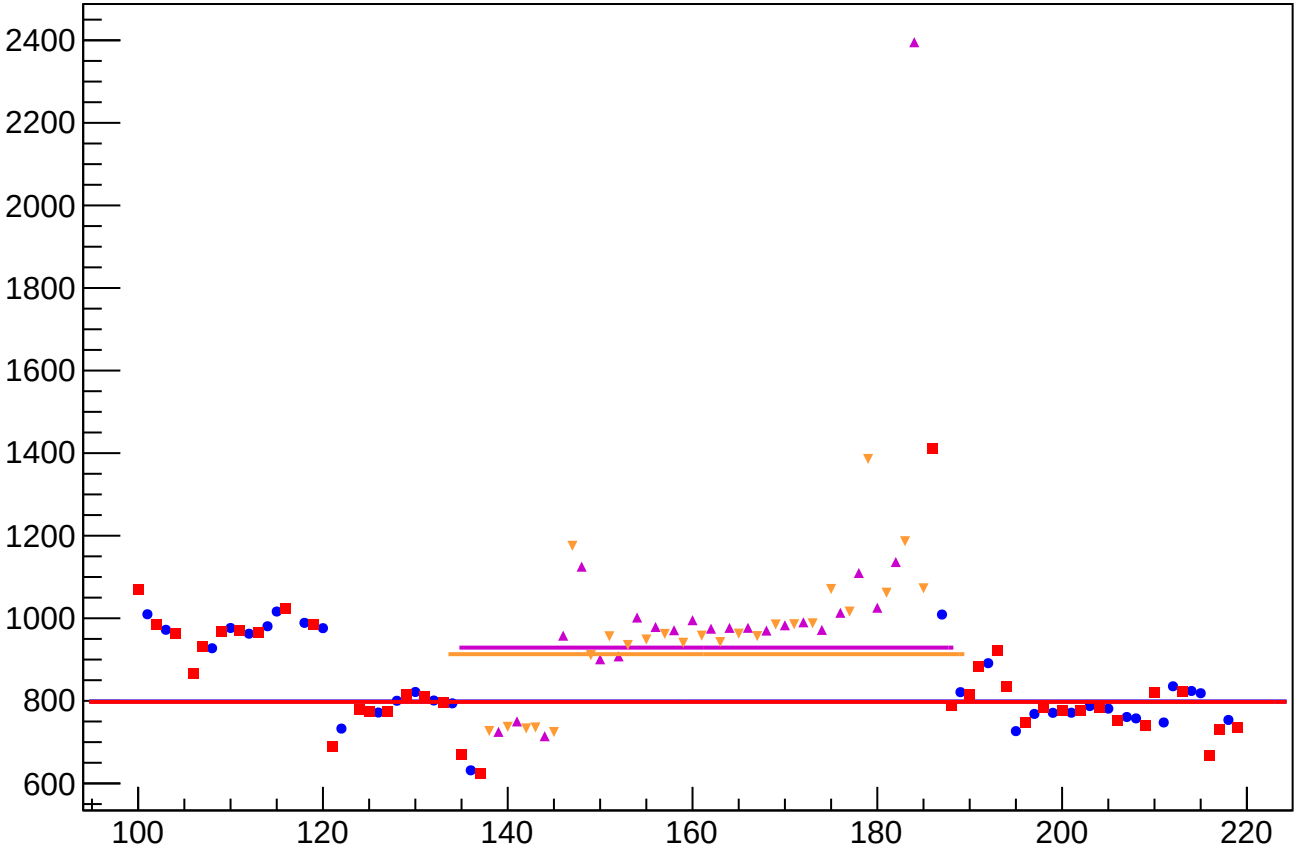
Right: 0.118+/-0.124 χ^2/NDF: 67.0/68

In: 0.013+/-0.139 χ^2/NDF:47.0/54

Out: 0.069+/-0.134 χ^2/NDF:71.2/61

All: 0.042+/-0.097 χ^2/NDF: 118.2/116

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 798.493+/-0.126 χ^2/NDF: 471959.3/31

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 797.498+/-0.122 χ^2/NDF: 657961.4/36

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

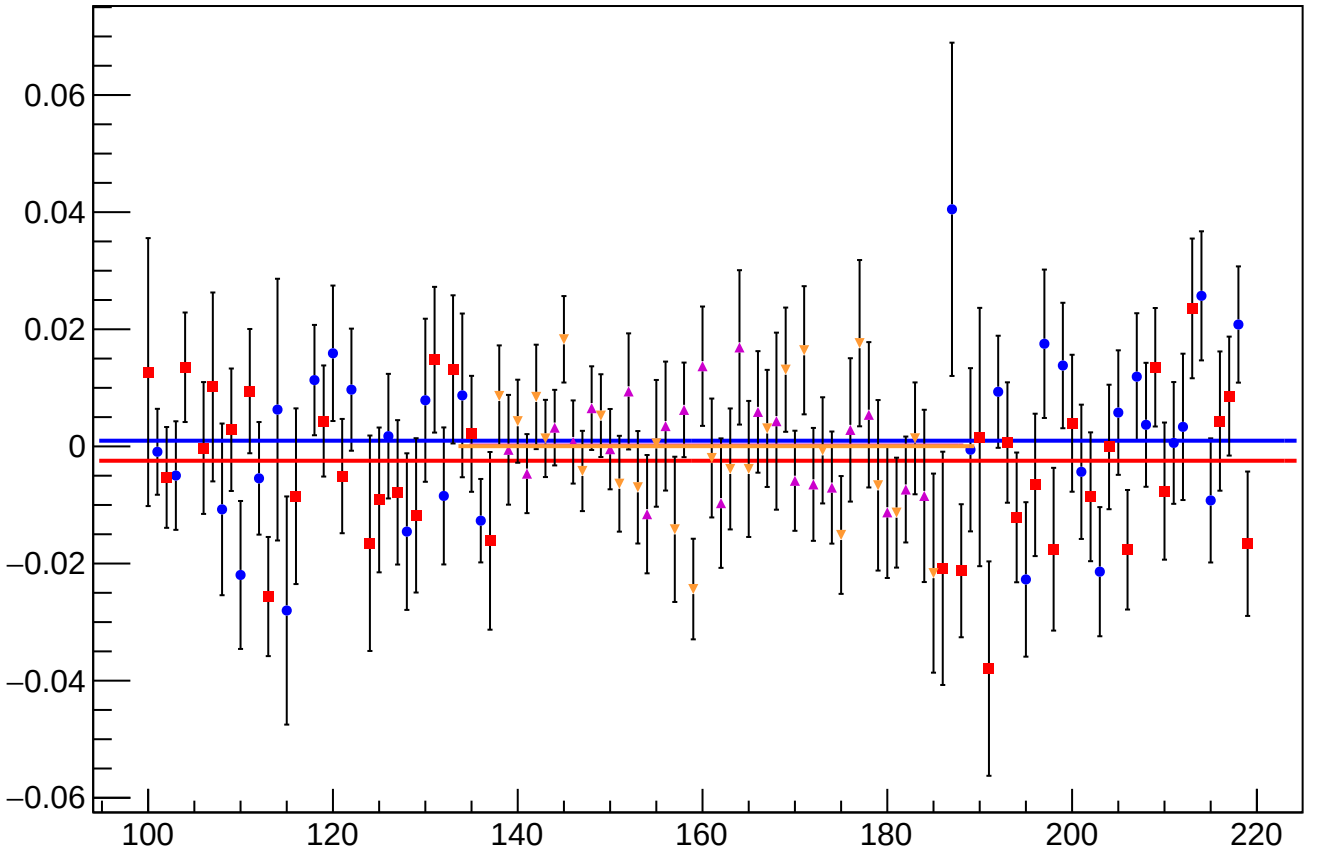
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 797.980+/-0.088 χ^2/NDF: 1129952.6/68

In: 850.056+/-0.098 χ^2/NDF:1661908.8/54

Out: 843.783+/-0.095 χ^2/NDF:1903761.4/61

All: 846.807+/-0.068 χ^2/NDF: 3567779.1/116



Right In: 0.001+/-0.002 χ^2/NDF: 41.6/31

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: -0.002+/-0.002 χ^2/NDF: 40.3/36

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

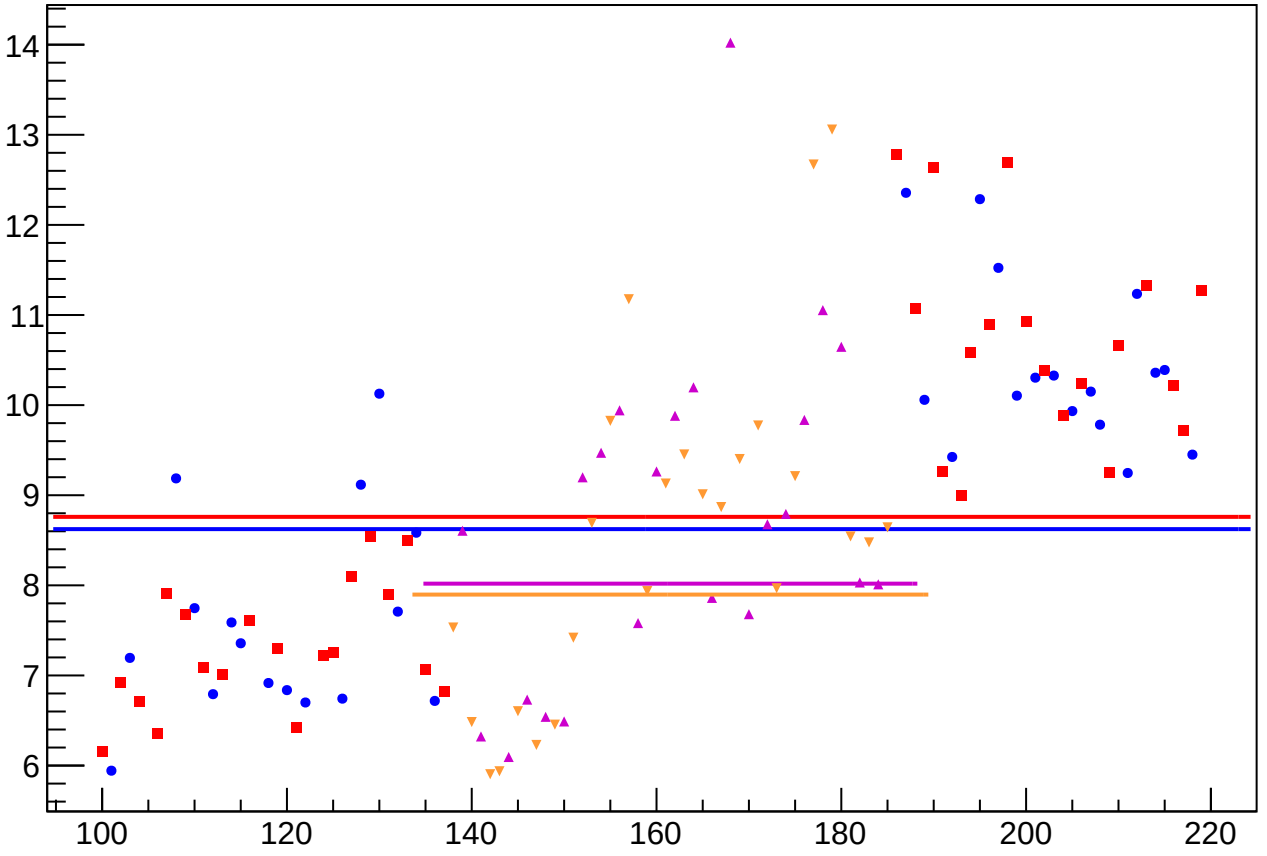
Right: -0.001+/-0.001 χ^2/NDF: 83.4/68

In: 0.001+/-0.001 χ^2/NDF:54.5/54

Out: -0.001+/-0.001 χ^2/NDF:72.3/61

All: -0.000+/-0.001 χ^2/NDF: 127.6/116

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 8.624+/-0.001 χ^2/NDF: 1603226.3/31

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 8.760+/-0.001 χ^2/NDF: 1727032.9/36

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

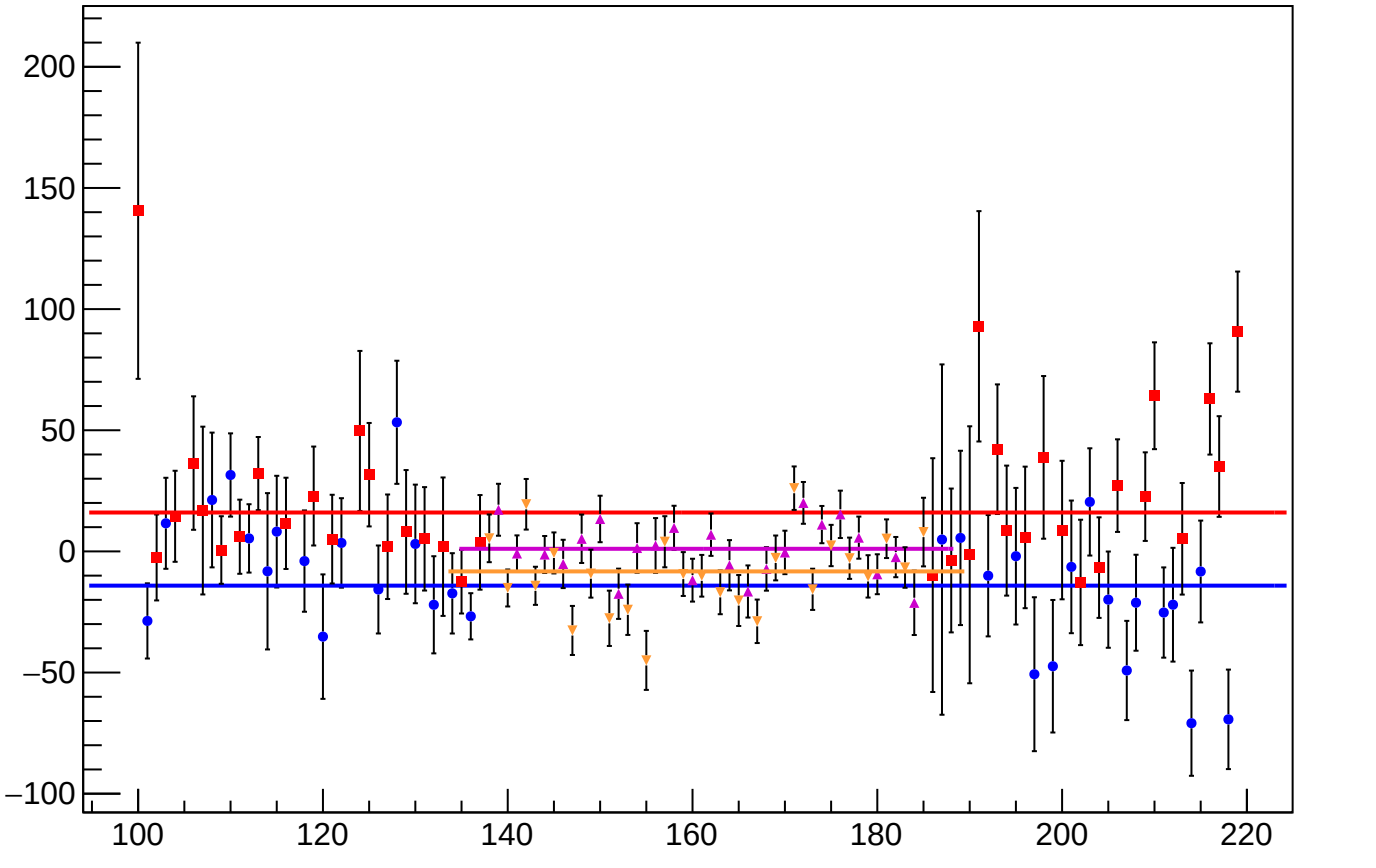
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

Right: 8.693+/-0.001 χ^2/NDF: 3335141.1/68

In: 8.314+/-0.001 χ^2/NDF:3156191.7/54

Out: 8.308+/-0.001 χ^2/NDF:3526477.0/61

All: 8.311+/-0.001 χ^2/NDF: 6682685.5/116



Right In: -14.135+/-3.579 χ^2/NDF: 49.3/31

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: 16.050+/-3.609 χ^2/NDF: 43.0/36

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

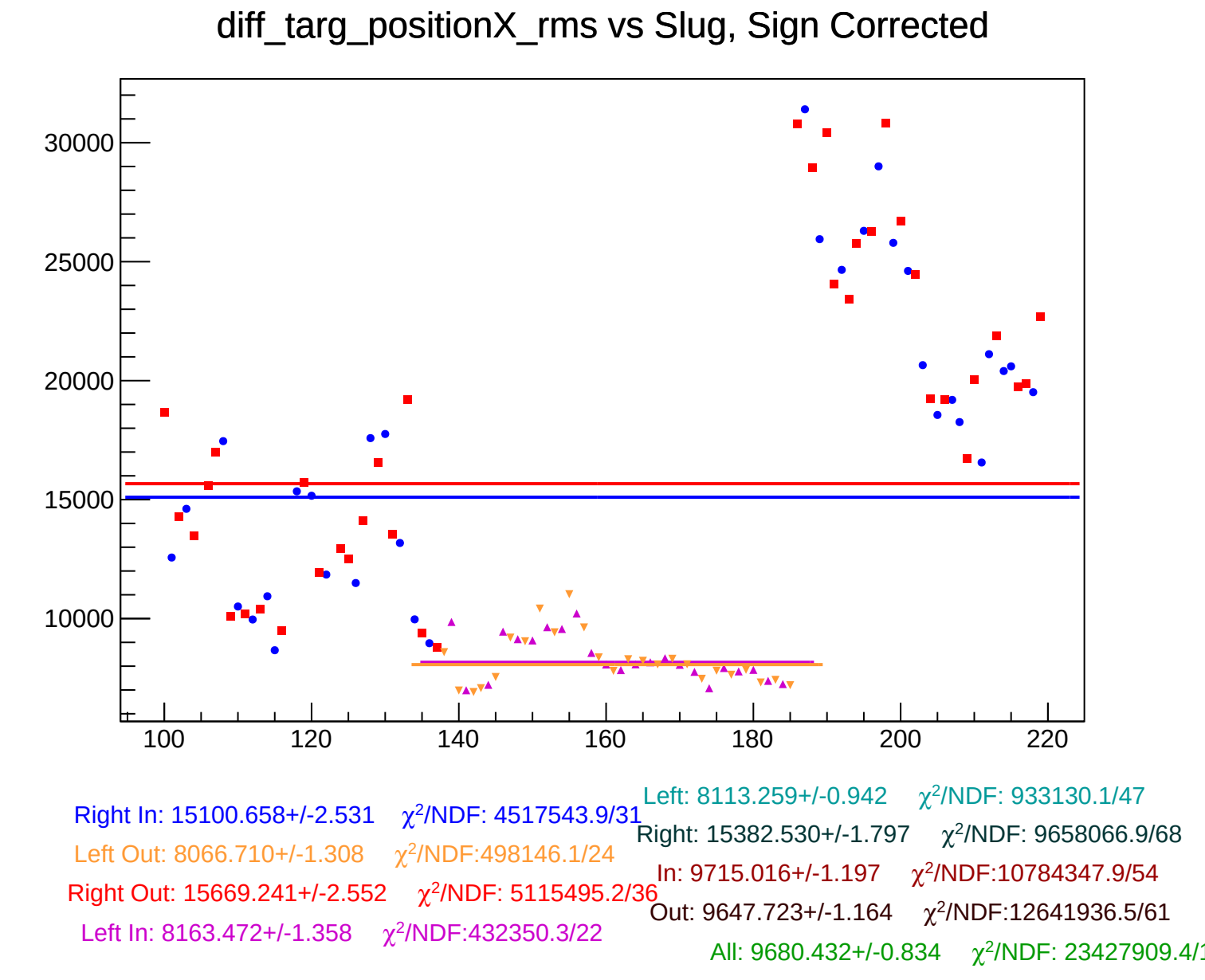
Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

Right: 0.829+/-2.541 χ^2/NDF: 127.6/68

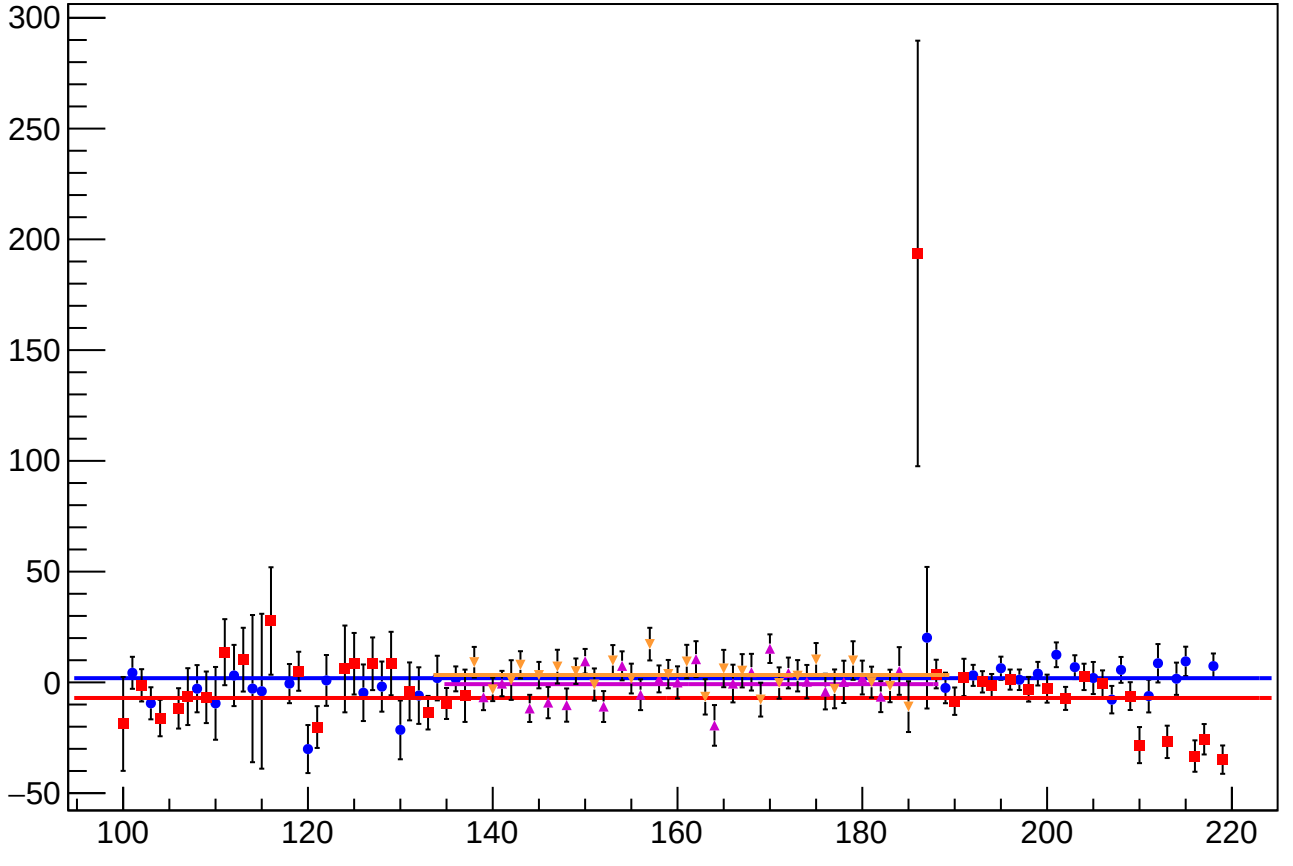
In: -2.329+/-1.692 χ^2/NDF:92.1/54

Out: -3.202+/-1.646 χ^2/NDF:141.1/61

All: -2.778+/-1.180 χ^2/NDF: 233.4/116


diff_targ_positionX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 15100.658+/-2.531 χ²/NDF: 4517543.9/31
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 15669.241+/-2.552 χ²/NDF: 5115495.2/36
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
Left: 8113.259+/-0.942 χ²/NDF: 933130.1/47
Right: 15382.530+/-1.797 χ²/NDF: 9658066.9/68
In: 9715.016+/-1.197 χ²/NDF:10784347.9/54
Out: 9647.723+/-1.164 χ²/NDF:12641936.5/61
All: 9680.432+/-0.834 χ²/NDF: 23427909.4/

diff_targ_positionY_mean vs Slug, Sign Corrected



Right In: 1.903+/-1.309 χ^2/NDF: 29.0/31

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: -7.042+/-1.255 χ^2/NDF: 91.2/36

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

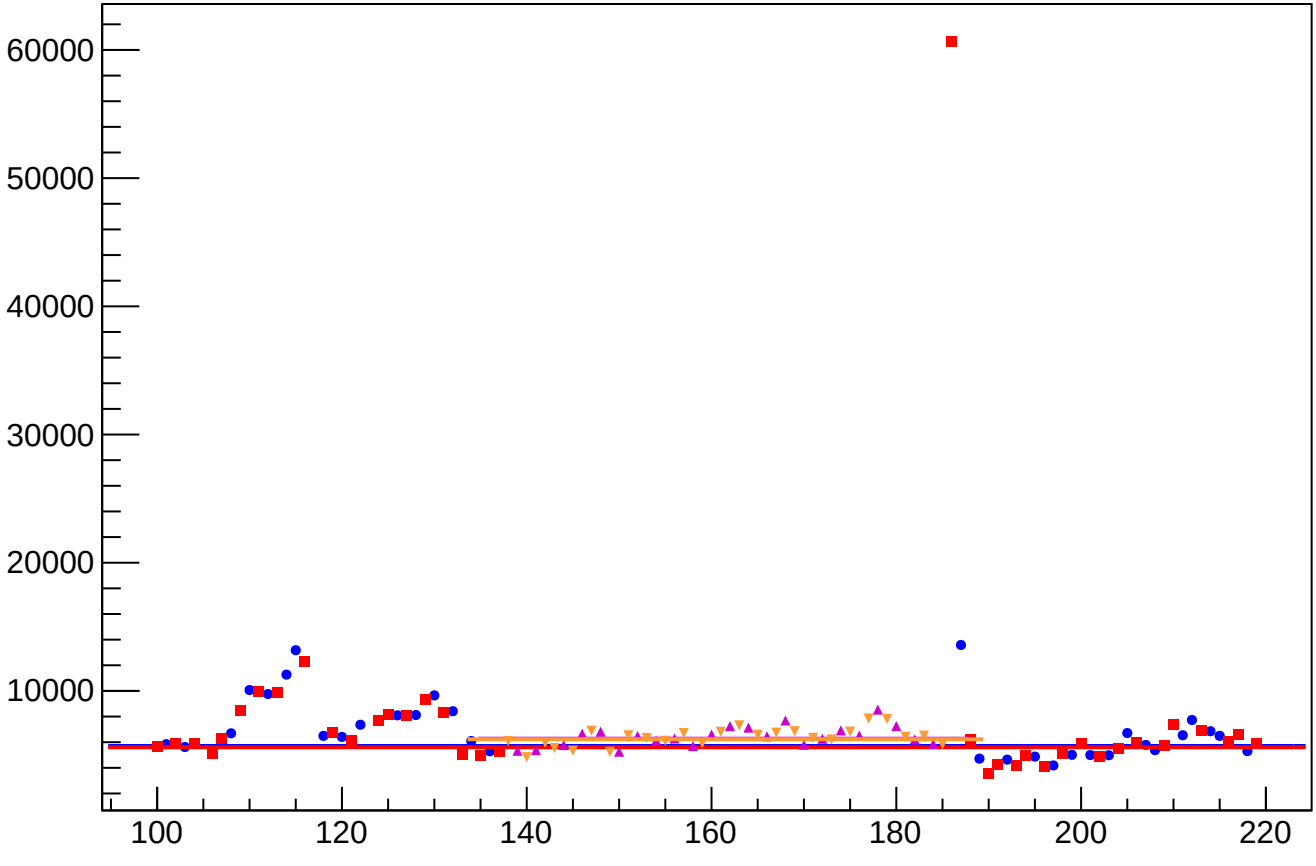
Right: -2.756+/-0.906 χ^2/NDF: 144.5/68

In: 0.717+/-0.980 χ^2/NDF:60.3/54

Out: -2.530+/-0.944 χ^2/NDF:137.8/61

All: -0.968+/-0.680 χ^2/NDF: 203.7/116

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 5701.748+/-0.925 χ^2/NDF: 1886189.1/31

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5603.929+/-0.888 χ^2/NDF: 2738557.8/36

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

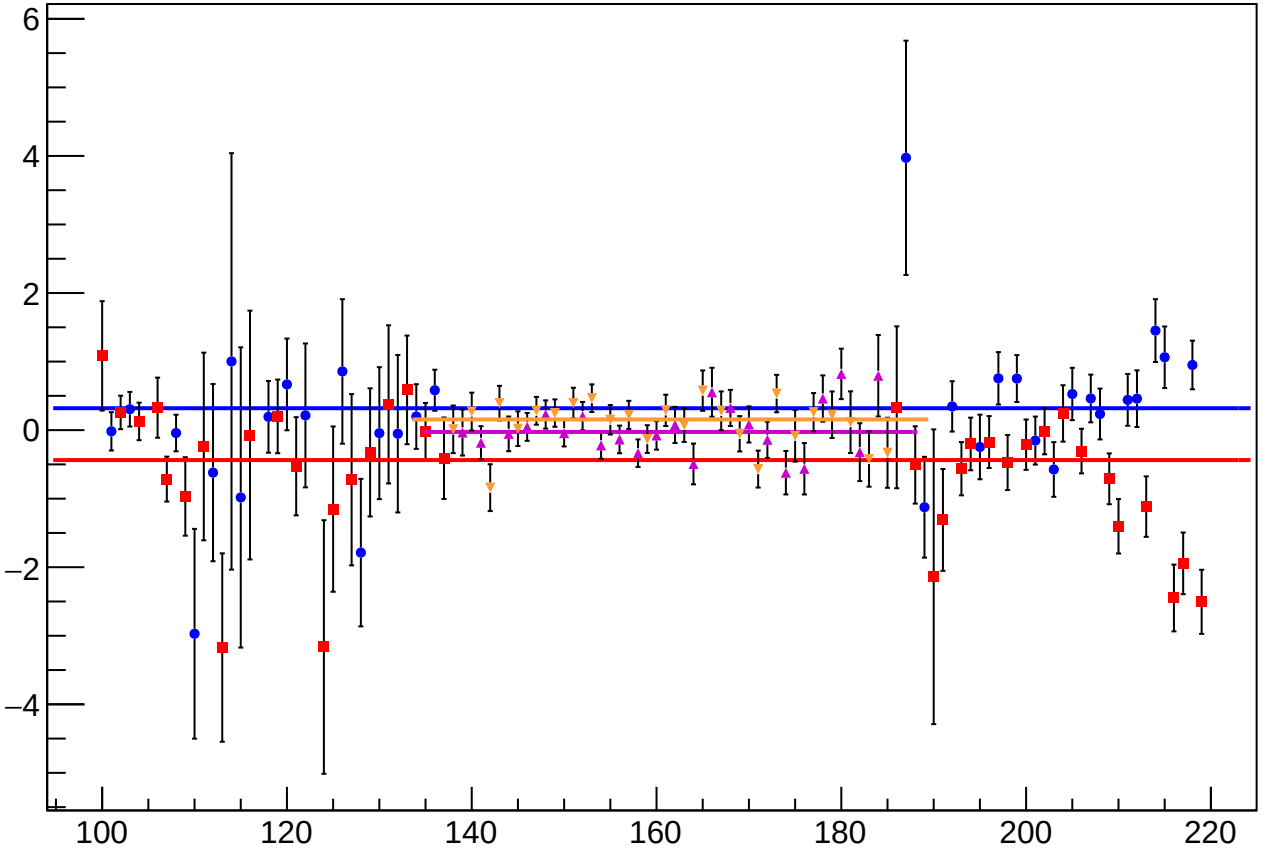
Right: 5650.809+/-0.641 χ^2/NDF: 4630565.8/68

In: 5951.717+/-0.693 χ^2/NDF:2557037.6/54

Out: 5876.729+/-0.667 χ^2/NDF:3488184.2/61

All: 5912.805+/-0.481 χ^2/NDF: 6051298.5/11

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.320+/-0.077 χ^2/NDF: 46.7/31

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: -0.437+/-0.078 χ^2/NDF: 96.8/36

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

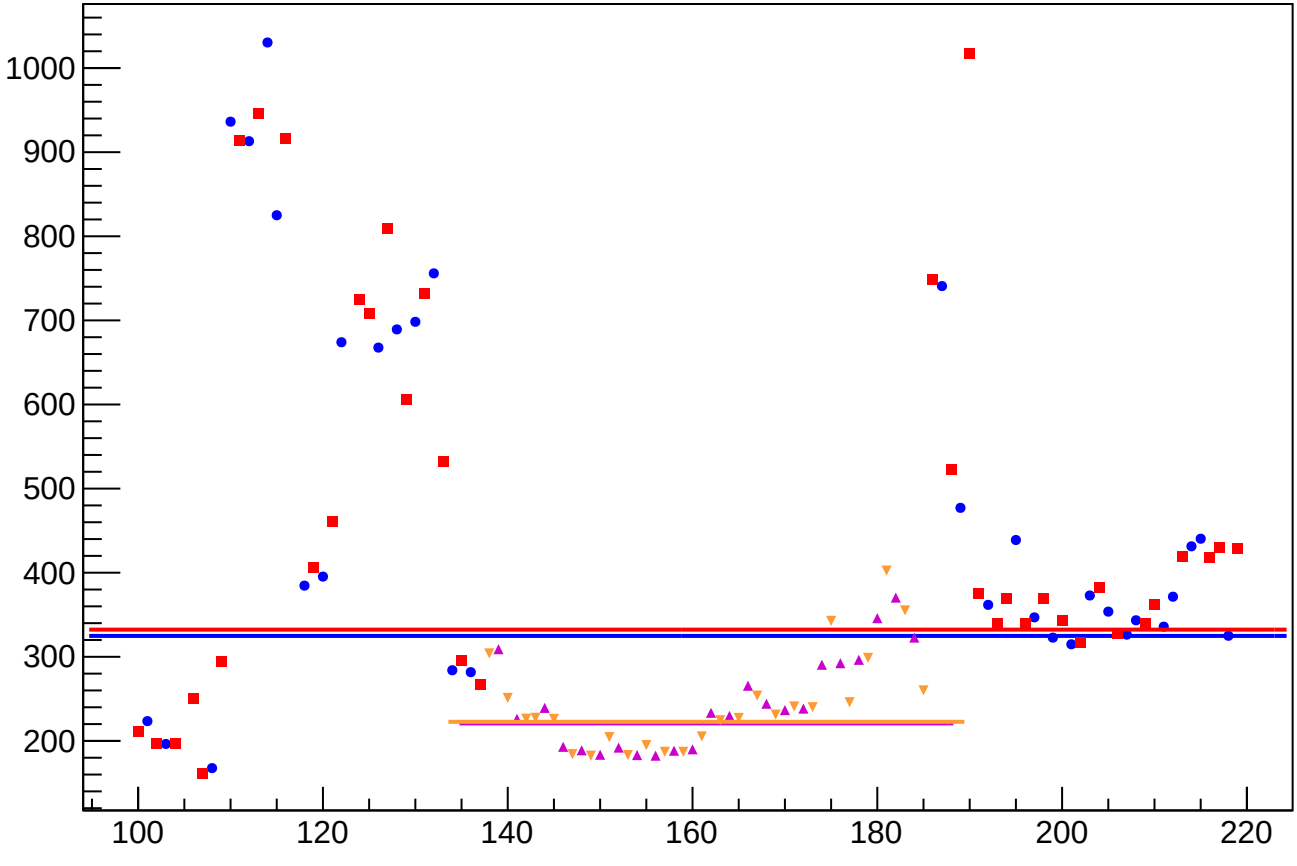
Right: -0.058+/-0.055 χ^2/NDF: 191.2/68

In: 0.084+/-0.044 χ^2/NDF:90.1/54

Out: -0.028+/-0.043 χ^2/NDF:169.4/61

All: 0.027+/-0.031 χ^2/NDF: 262.9/116

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 324.842+/-0.055 χ^2/NDF: 4433665.3/31

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 332.311+/-0.055 χ^2/NDF: 5090149.0/36

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

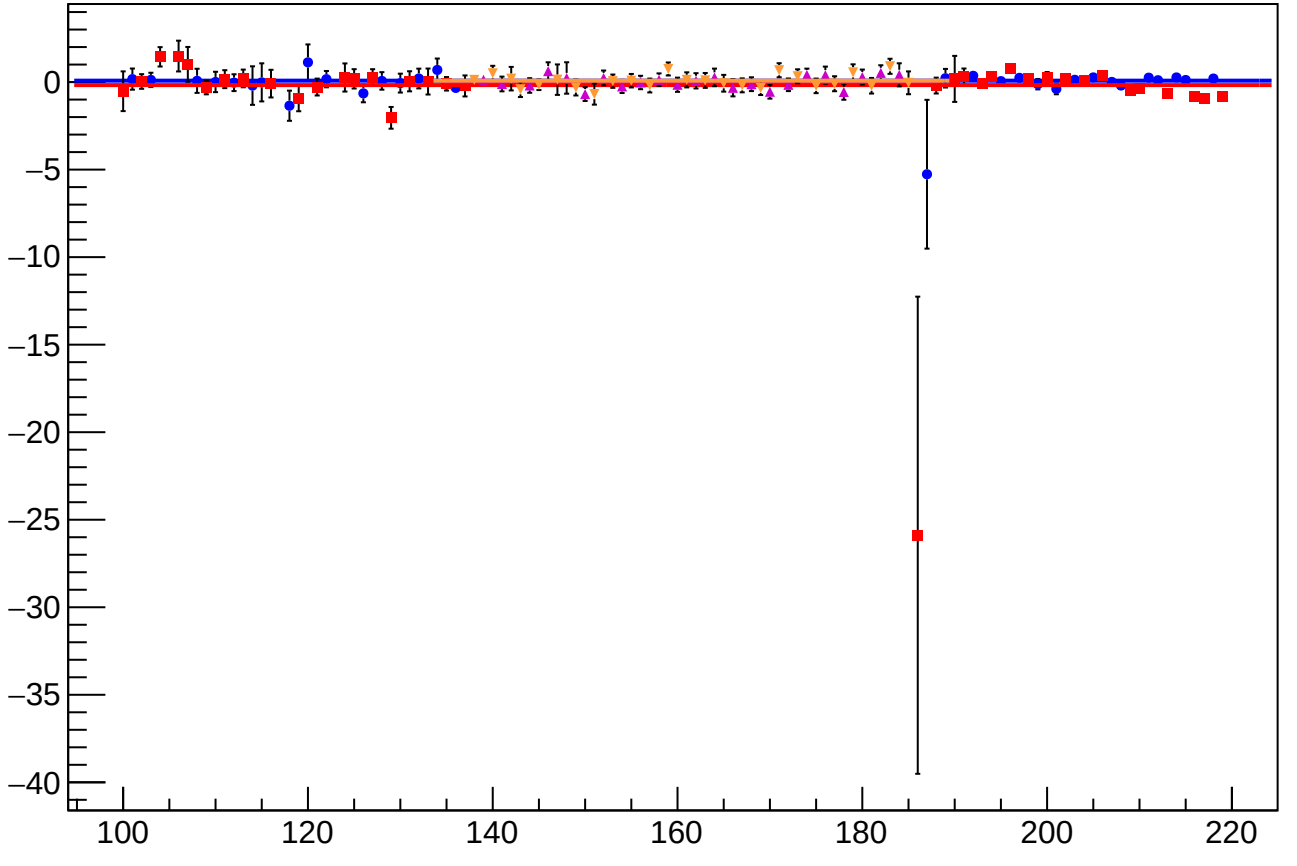
Right: 328.572+/-0.039 χ^2/NDF: 9533107.8/68

In: 253.970+/-0.031 χ^2/NDF:8364975.2/54

Out: 256.652+/-0.030 χ^2/NDF:9300730.8/61

All: 255.329+/-0.022 χ^2/NDF: 17669521.2/11

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: 0.081+/-0.057 χ^2/NDF: 19.1/31

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.173+/-0.057 χ^2/NDF: 102.1/36

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

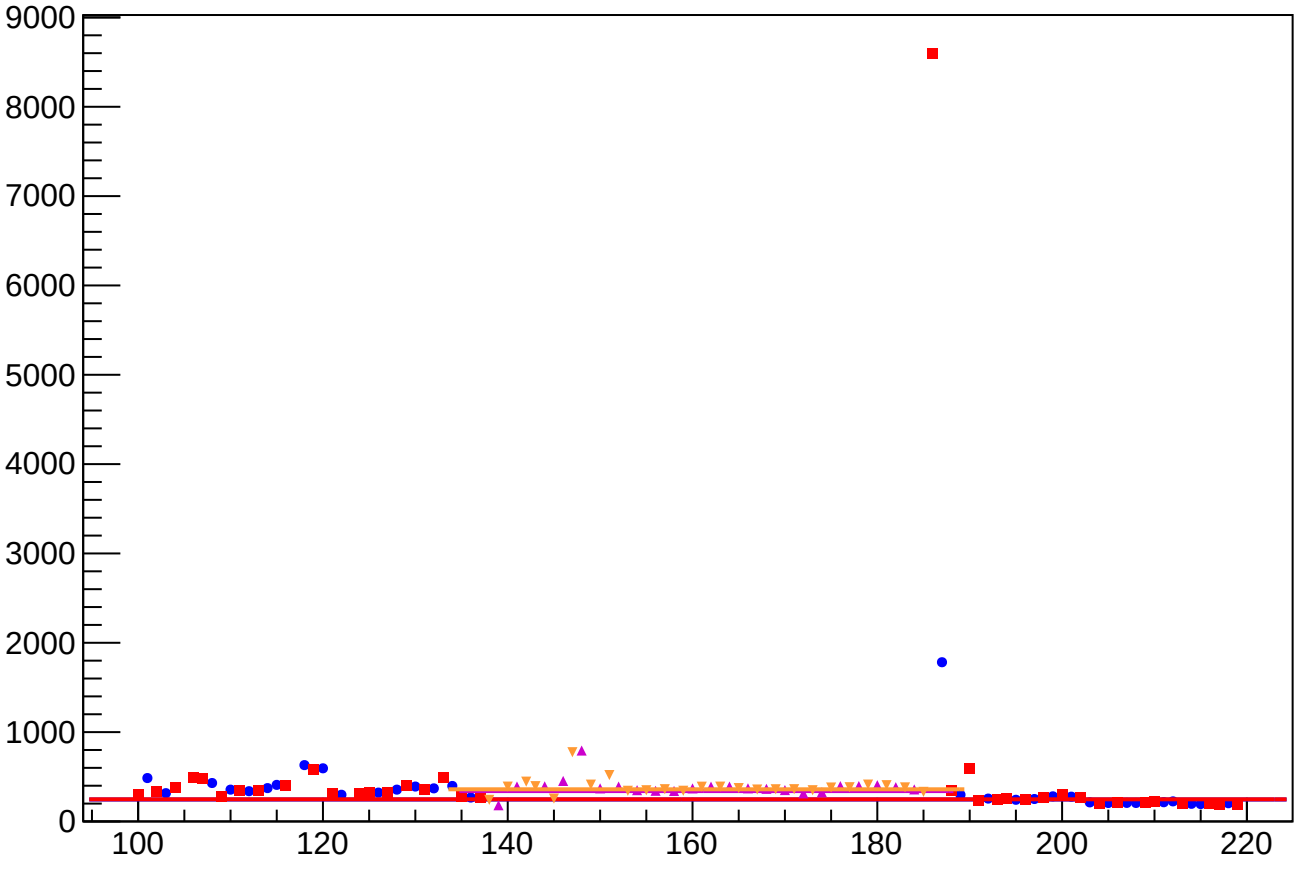
Right: -0.047+/-0.040 χ^2/NDF: 131.1/68

In: 0.057+/-0.047 χ^2/NDF:34.9/54

Out: -0.094+/-0.047 χ^2/NDF:127.2/61

All: -0.019+/-0.033 χ^2/NDF: 167.3/116

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 245.325+/-0.040 χ^2/NDF: 2817194.5/31

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 247.876+/-0.040 χ^2/NDF: 3393972.1/36

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

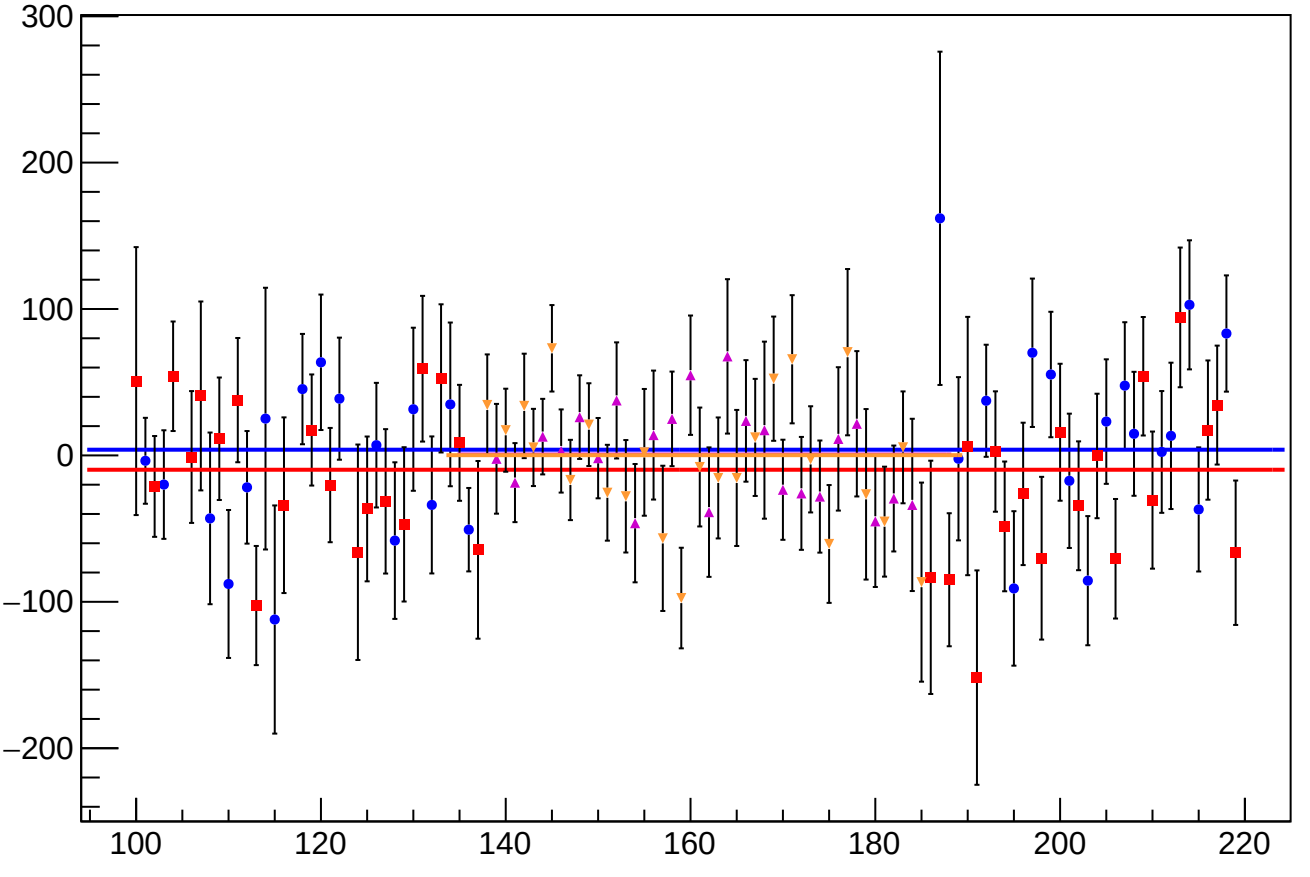
Right: 246.612+/-0.028 χ^2/NDF: 6213177.2/68

In: 275.867+/-0.033 χ^2/NDF:6813771.2/54

Out: 282.732+/-0.033 χ^2/NDF:7172531.3/61

All: 279.302+/-0.024 χ^2/NDF: 14007624.9/1

diff_bpmE_mean vs Slug, Sign Corrected



Right In: 3.895+/-7.855 χ^2/NDF: 41.6/31

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -9.793+/-7.730 χ^2/NDF: 40.3/36

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

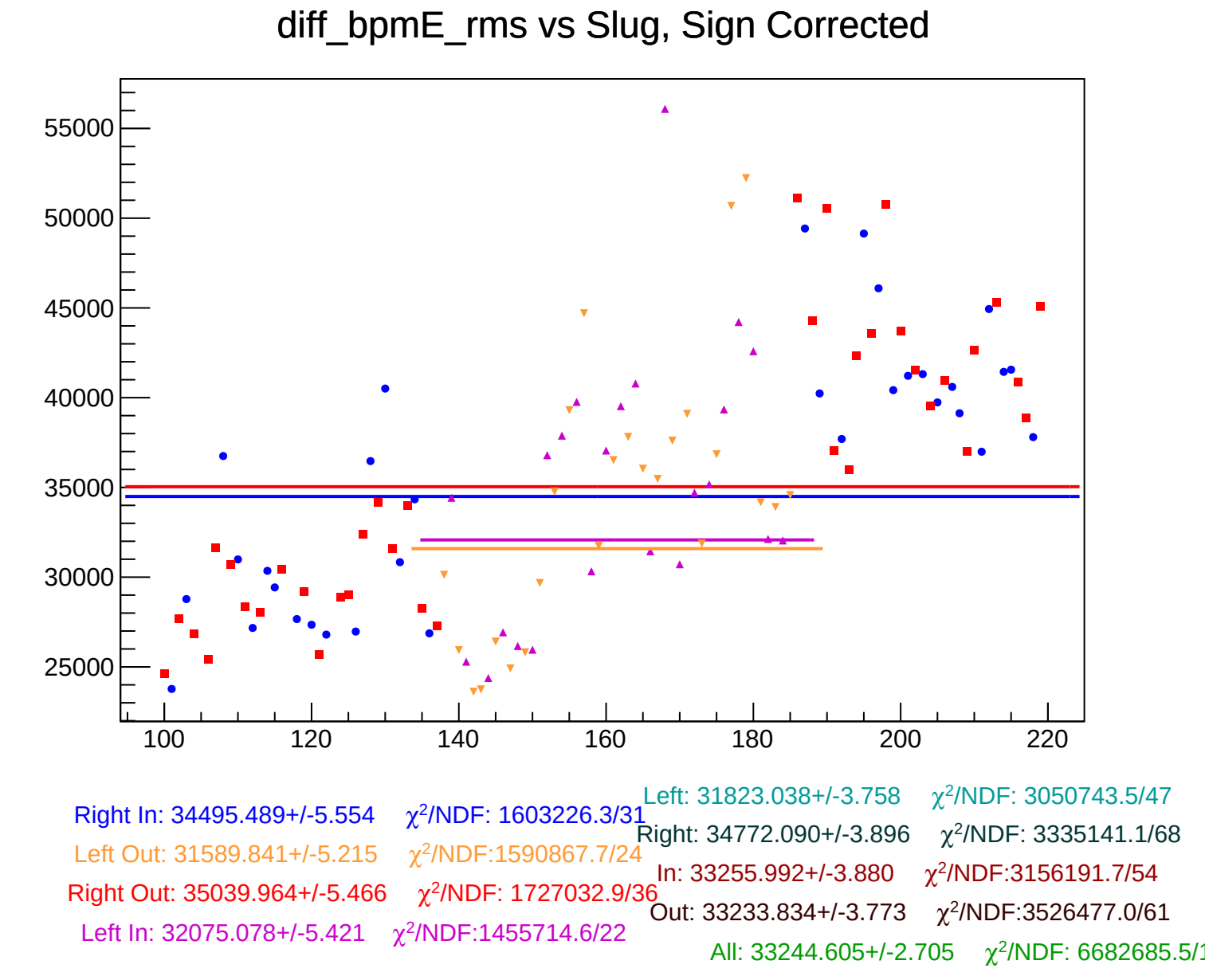
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -3.059+/-5.509 χ^2/NDF: 83.4/68

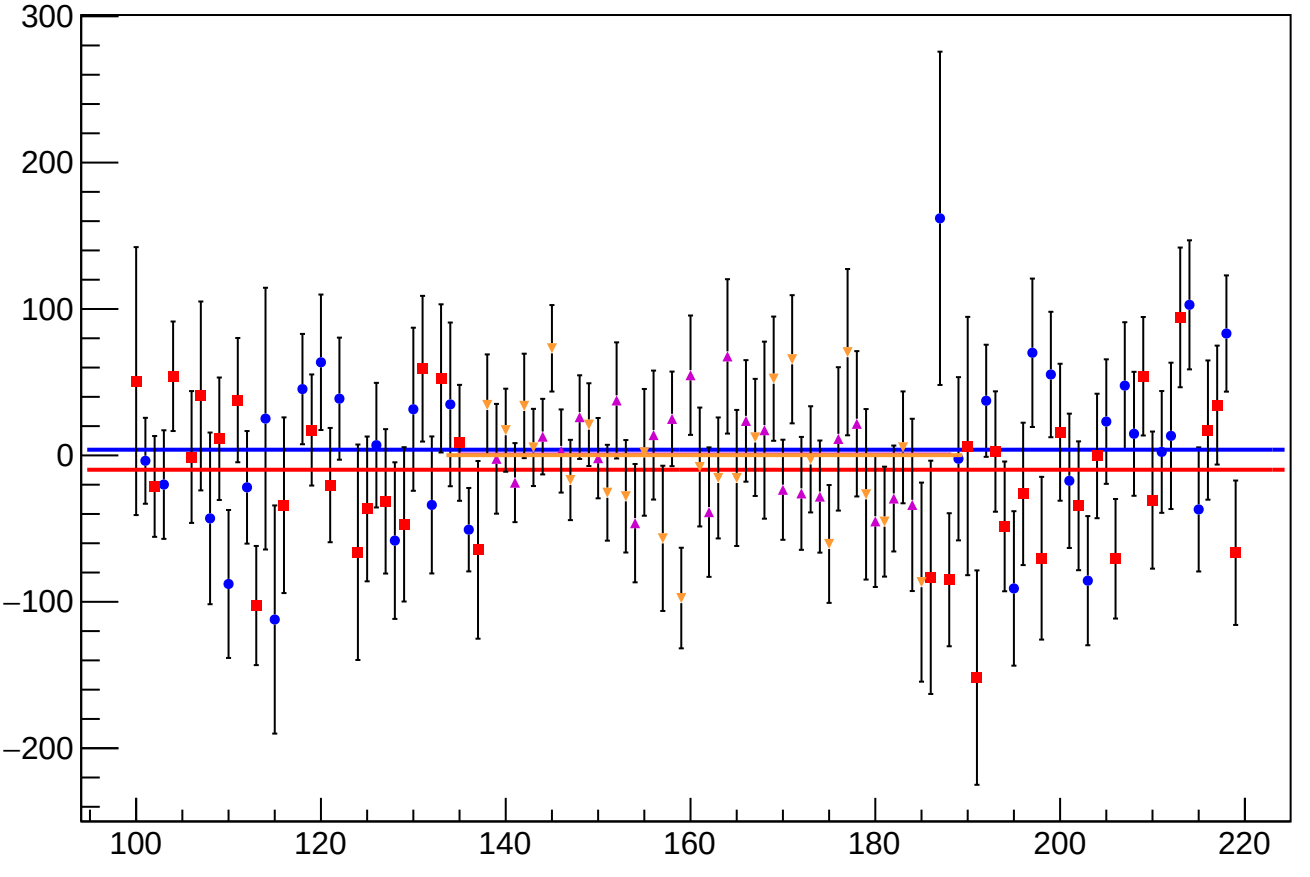
In: 2.201+/-5.487 χ^2/NDF:54.5/54

Out: -4.579+/-5.336 χ^2/NDF:72.3/61

All: -1.283+/-3.825 χ^2/NDF: 127.6/116


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
220
Right In: 34495.489+/-5.554 χ²/NDF: 1603226.3/31
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 35039.964+/-5.466 χ²/NDF: 1727032.9/36
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34772.090+/-3.896 χ²/NDF: 3335141.1/68
In: 33255.992+/-3.880 χ²/NDF:3156191.7/54
Out: 33233.834+/-3.773 χ²/NDF:3526477.0/61
All: 33244.605+/-2.705 χ²/NDF: 6682685.5/1

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: 3.895+/-7.855 χ^2/NDF: 41.6/31

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -9.793+/-7.730 χ^2/NDF: 40.3/36

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

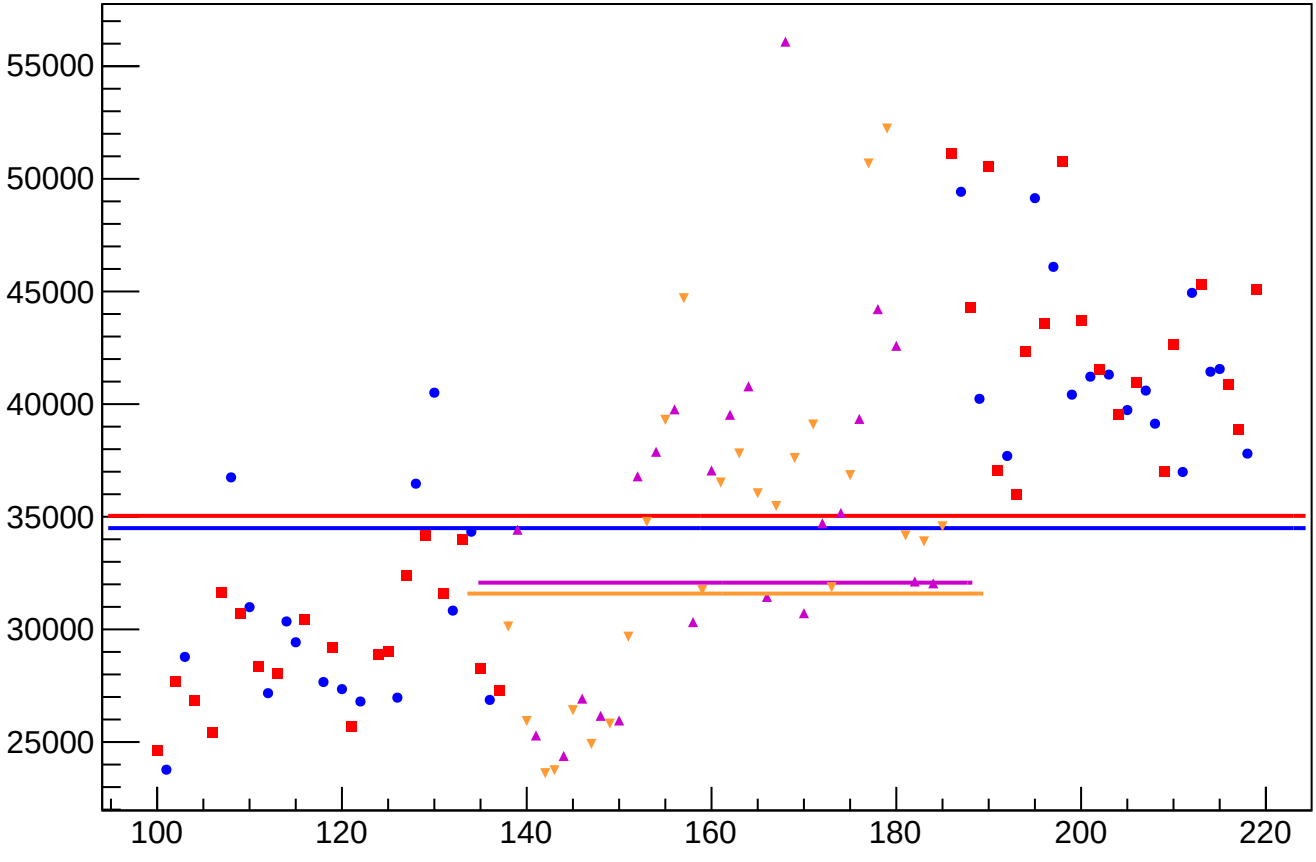
Right: -3.059+/-5.509 χ^2/NDF: 83.4/68

In: 2.201+/-5.487 χ^2/NDF:54.5/54

Out: -4.579+/-5.336 χ^2/NDF:72.3/61

All: -1.283+/-3.825 χ^2/NDF: 127.6/116

diff_bpmEX_rms vs Slug, Sign Corrected



Right In: 34495.489+/-5.554 χ^2/NDF: 1603226.3/31

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 35039.964+/-5.466 χ^2/NDF: 1727032.9/36

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

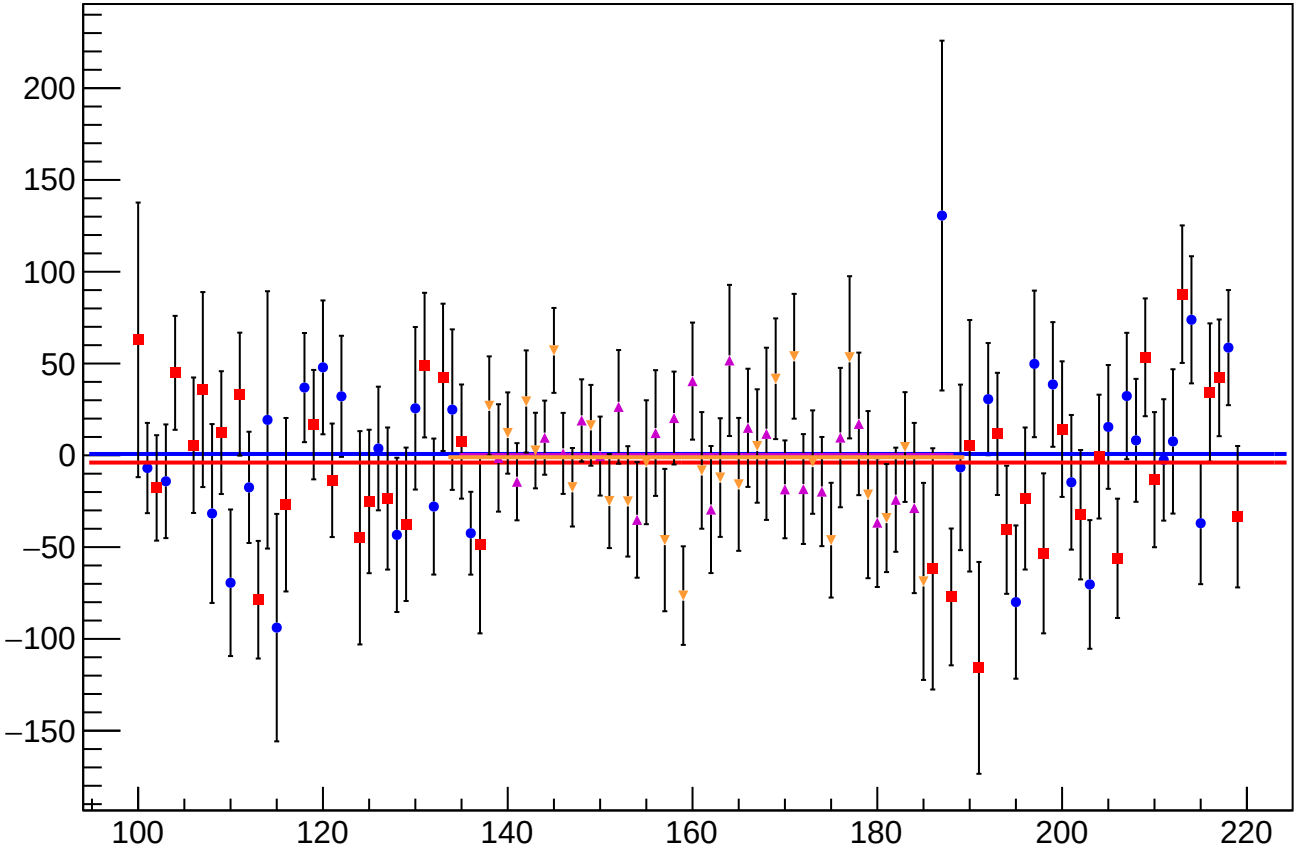
Right: 34772.090+/-3.896 χ^2/NDF: 3335141.1/68

In: 33255.992+/-3.880 χ^2/NDF:3156191.7/54

Out: 33233.834+/-3.773 χ^2/NDF:3526477.0/61

All: 33244.605+/-2.705 χ^2/NDF: 6682685.5/1

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: 0.740+/-6.261 χ^2/NDF: 40.6/31

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -3.944+/-6.159 χ^2/NDF: 45.5/36

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

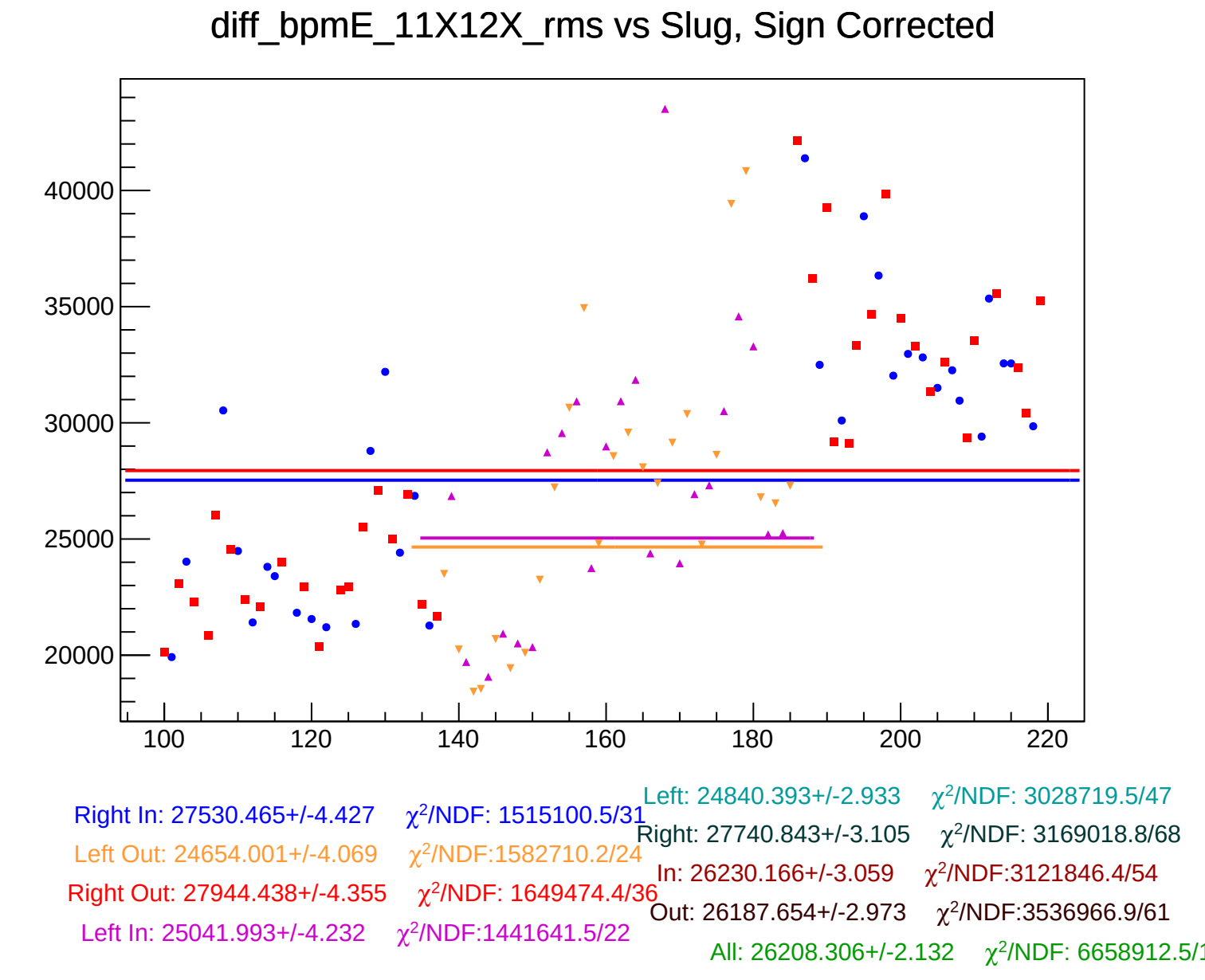
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -1.640+/-4.391 χ^2/NDF: 86.3/68

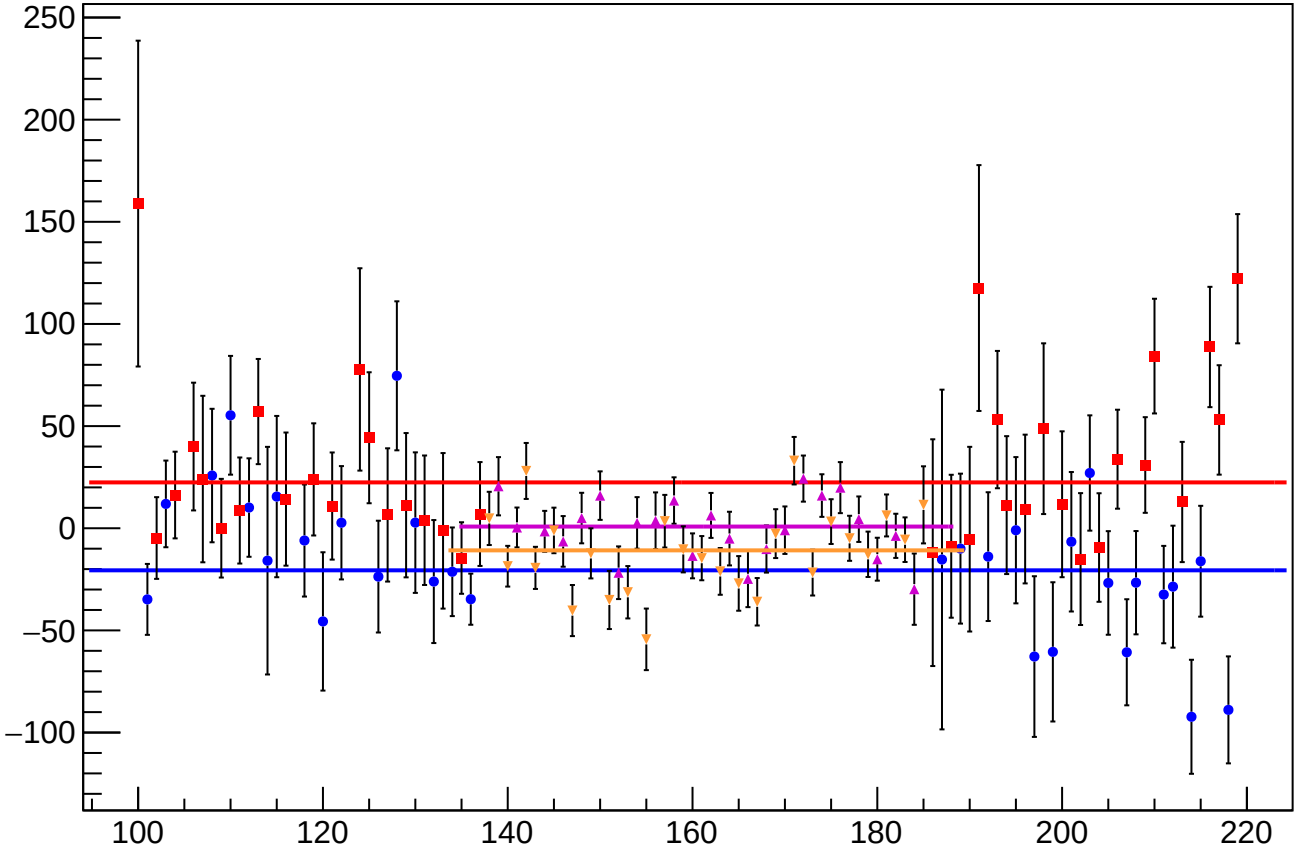
In: 0.430+/-4.326 χ^2/NDF:52.7/54

Out: -2.394+/-4.205 χ^2/NDF:77.9/61

All: -1.023+/-3.015 χ^2/NDF: 130.8/116


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
120
140
160
180
200
220
Right In: 27530.465+/-4.427 χ²/NDF: 1515100.5/31
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 27944.438+/-4.355 χ²/NDF: 1649474.4/36
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 27740.843+/-3.105 χ²/NDF: 3169018.8/68
In: 26230.166+/-3.059 χ²/NDF:3121846.4/54
Out: 26187.654+/-2.973 χ²/NDF:3536966.9/61
All: 26208.306+/-2.132 χ²/NDF: 6658912.5/1

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -20.595+/-4.752 χ^2/NDF: 46.7/31

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: 22.442+/-4.867 χ^2/NDF: 46.0/36

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

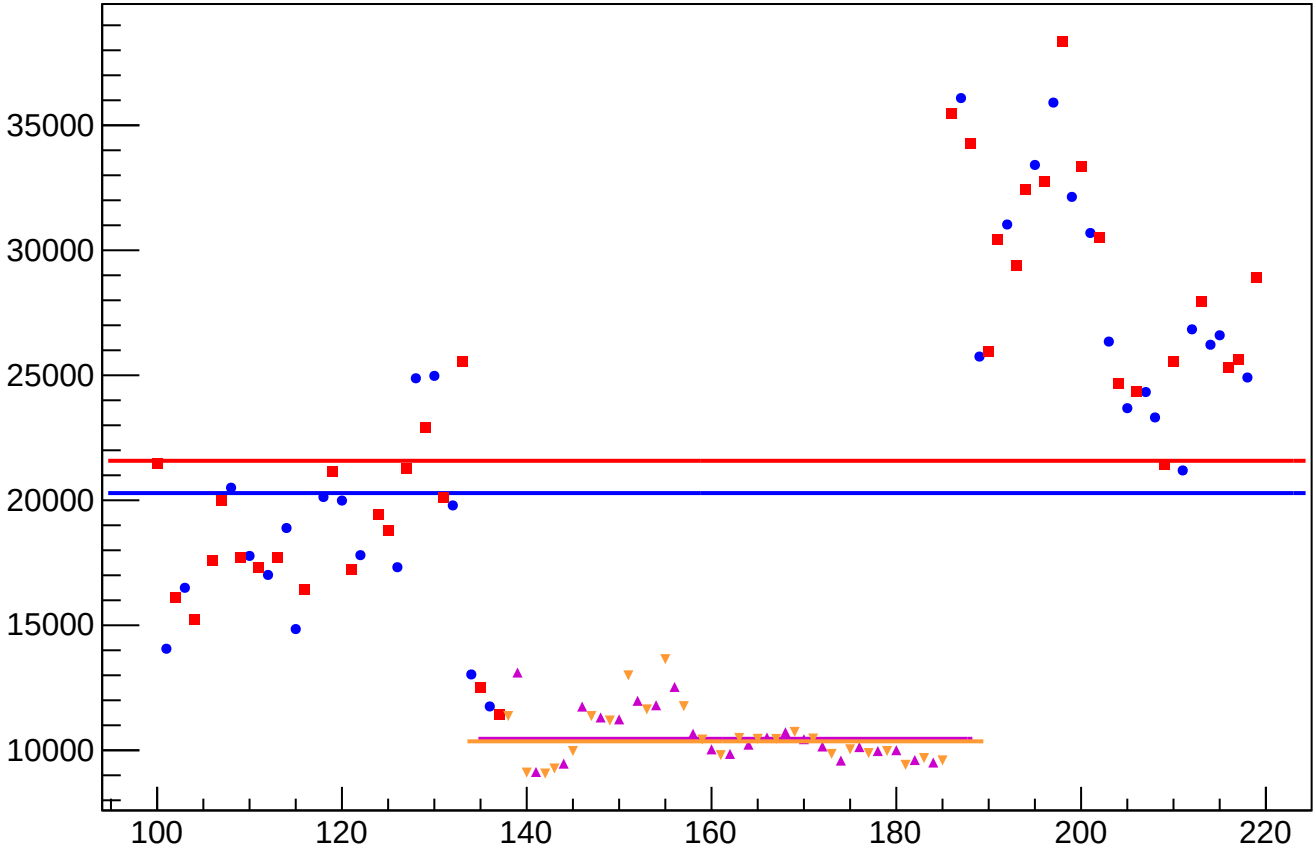
Right: 0.409+/-3.400 χ^2/NDF: 132.8/68

In: -3.692+/-2.183 χ^2/NDF:92.1/54

Out: -4.445+/-2.131 χ^2/NDF:145.1/61

All: -4.078+/-1.525 χ^2/NDF: 237.2/116

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 20288.166+/-3.360 χ^2/NDF: 3601749.3/31

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 21580.130+/-3.442 χ^2/NDF: 3542981.3/36

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

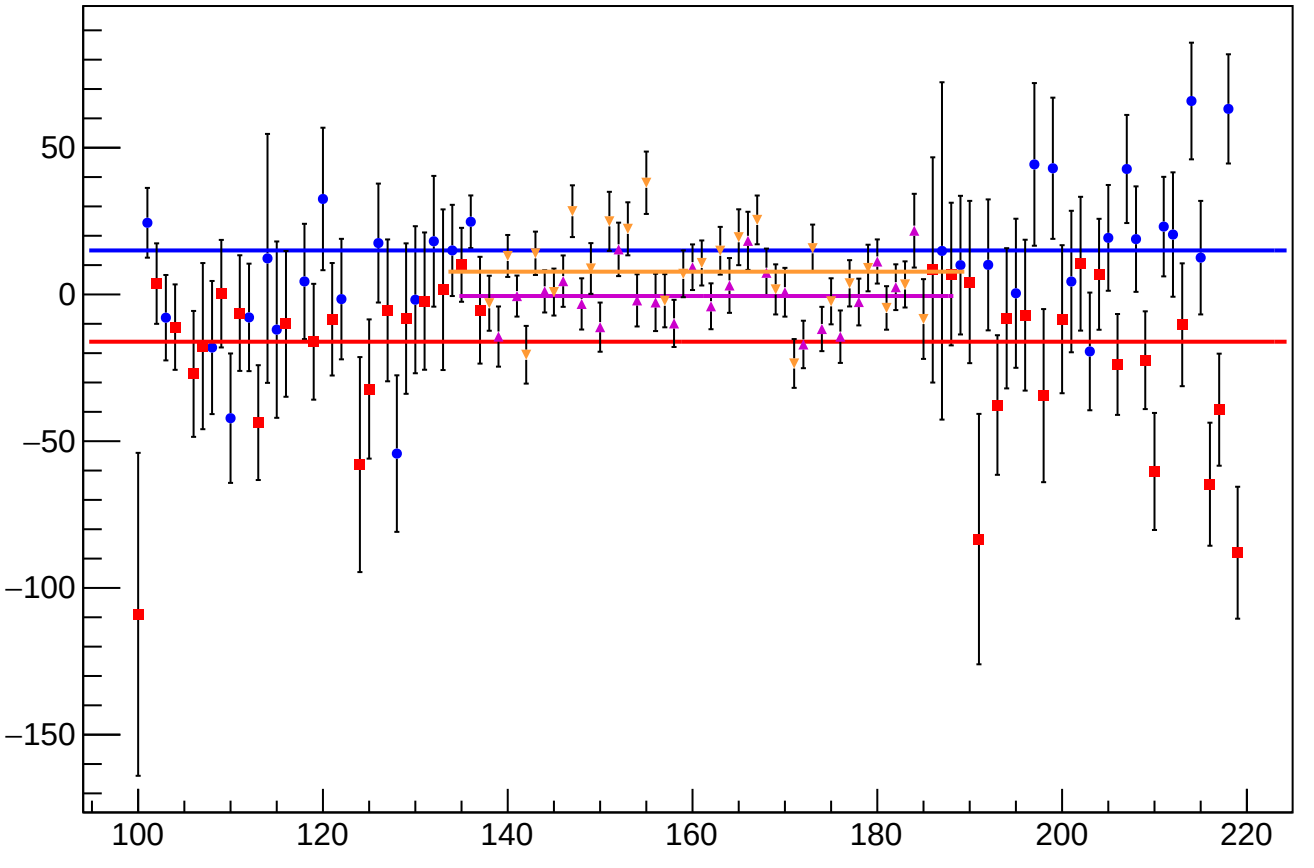
Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

Right: 20918.685+/-2.404 χ^2/NDF: 7216873.5/68

In: 12532.362+/-1.543 χ^2/NDF:10667652.6/54

Out: 12509.552+/-1.507 χ^2/NDF:12499075.7/61

All: 12520.684+/-1.078 χ^2/NDF: 23166840.1



Right In: 14.998+/-3.392 χ^2/NDF: 46.2/31

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -16.104+/-3.479 χ^2/NDF: 47.2/36

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

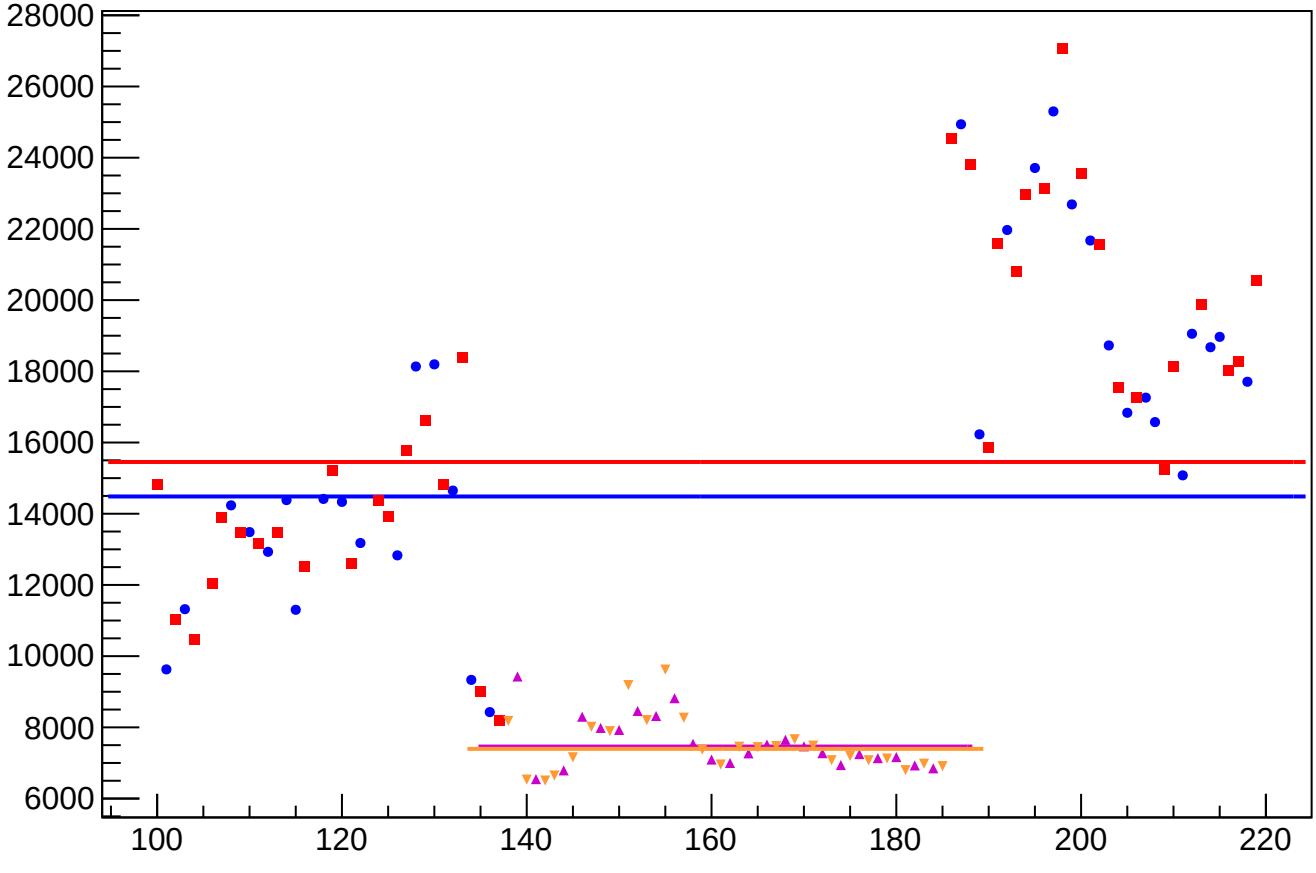
Right: -0.157+/-2.429 χ^2/NDF: 134.3/68

In: 2.739+/-1.557 χ^2/NDF:92.2/54

Out: 3.201+/-1.521 χ^2/NDF:146.2/61

All: 2.975+/-1.088 χ^2/NDF: 238.4/116

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 14484.660+/-2.398 χ^2/NDF: 3532820.9/31

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 15453.736+/-2.460 χ^2/NDF: 3404949.8/36

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

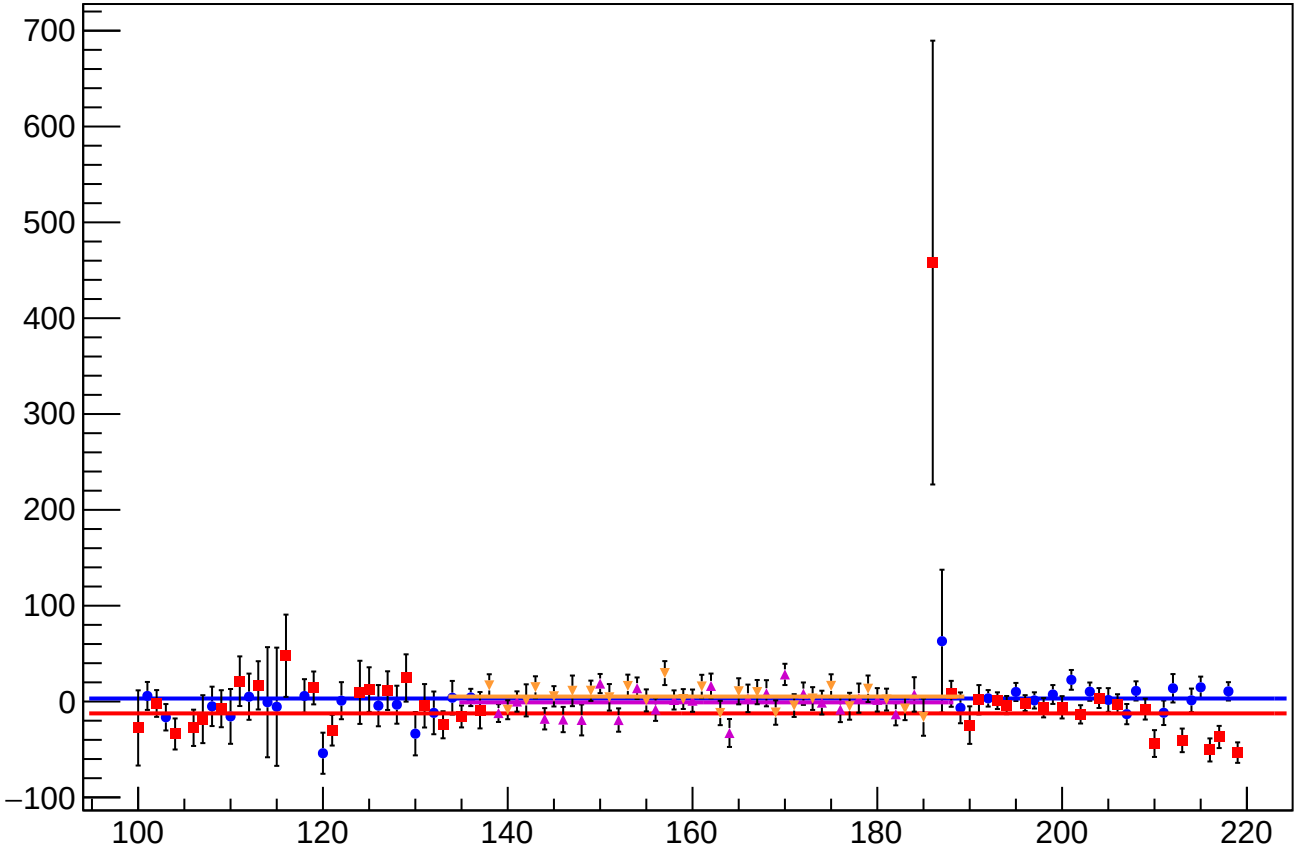
Right: 14956.836+/-1.717 χ^2/NDF: 7017324.8/68

In: 8940.198+/-1.101 χ^2/NDF:10587567.7/54

Out: 8936.041+/-1.076 χ^2/NDF:12406230.5/61

All: 8938.072+/-0.769 χ^2/NDF: 22993805.5/1

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: 3.151+/-2.335 χ^2/NDF: 25.6/31

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -12.387+/-2.274 χ^2/NDF: 74.1/36

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

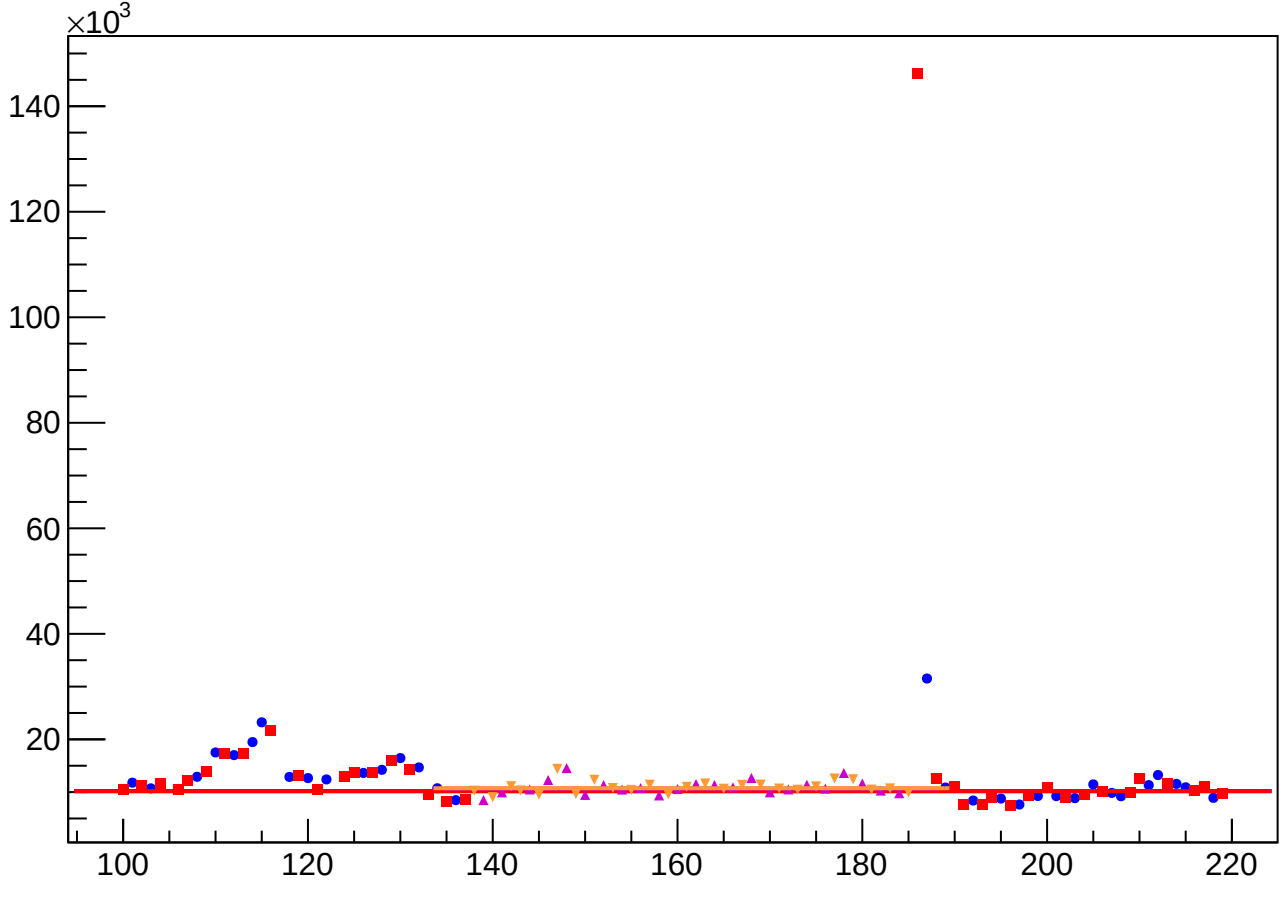
Right: -4.822+/-1.629 χ^2/NDF: 122.4/68

In: 1.282+/-1.712 χ^2/NDF:58.8/54

Out: -4.288+/-1.670 χ^2/NDF:120.0/61

All: -1.573+/-1.195 χ^2/NDF: 184.2/116

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 10180.762+/-1.651 χ^2/NDF: 1801183.5/31

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10177.656+/-1.608 χ^2/NDF: 2405724.4/36

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

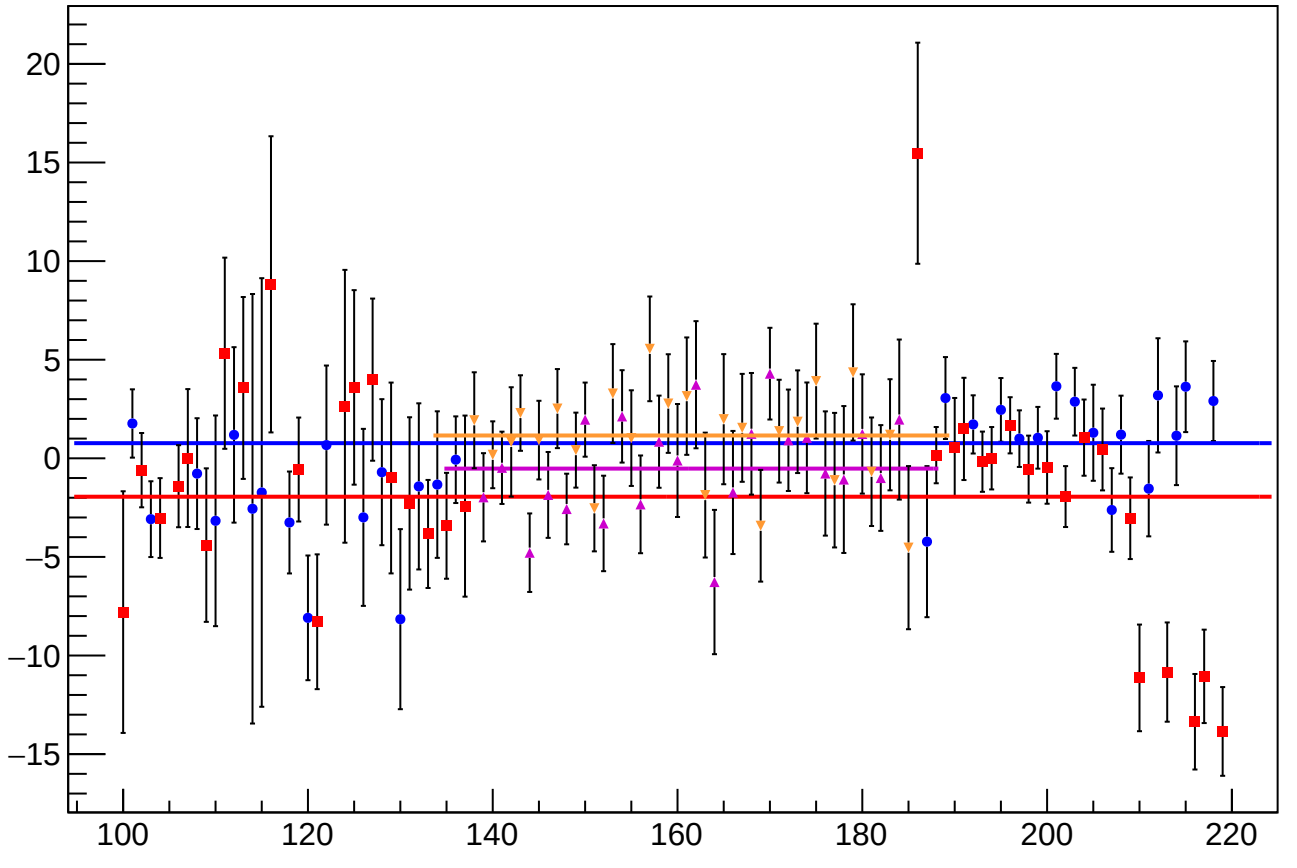
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

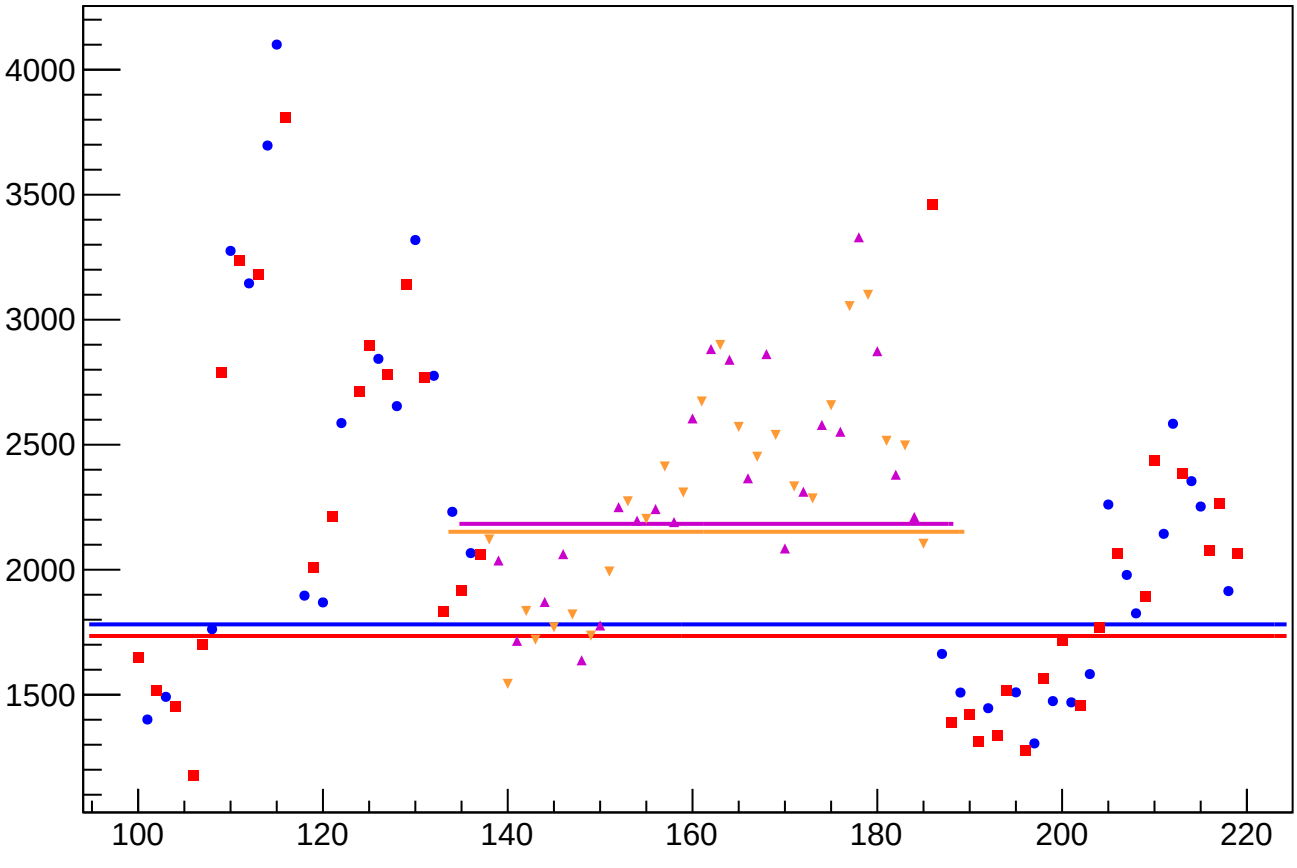
Right: 10179.169+/-1.152 χ^2/NDF: 4206909.7/68

In: 10410.217+/-1.211 χ^2/NDF:2343538.5/54

Out: 10434.069+/-1.181 χ^2/NDF:2829128.0/61

All: 10422.443+/-0.845 χ^2/NDF: 5172865.4/1


diff_bpm4aediffY_mean vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
220
Right In: 0.768+/-0.411 χ²/NDF: 37.0/31
Left Out: 1.158+/-0.500 χ²/NDF:16.8/24
Right Out: -1.947+/-0.389 χ²/NDF: 134.9/36
Left In: -0.522+/-0.520 χ²/NDF:22.3/22
Left: 0.350+/-0.360 χ²/NDF: 44.6/47
Right: -0.662+/-0.283 χ²/NDF: 194.9/68
In: 0.272+/-0.322 χ²/NDF:63.1/54
Out: -0.775+/-0.307 χ²/NDF:175.7/61
All: -0.277+/-0.222 χ²/NDF: 244.4/116



Right In: 1781.392+/-0.290 χ^2/NDF: 2432826.0/31

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1734.980+/-0.275 χ^2/NDF: 2912323.2/36

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

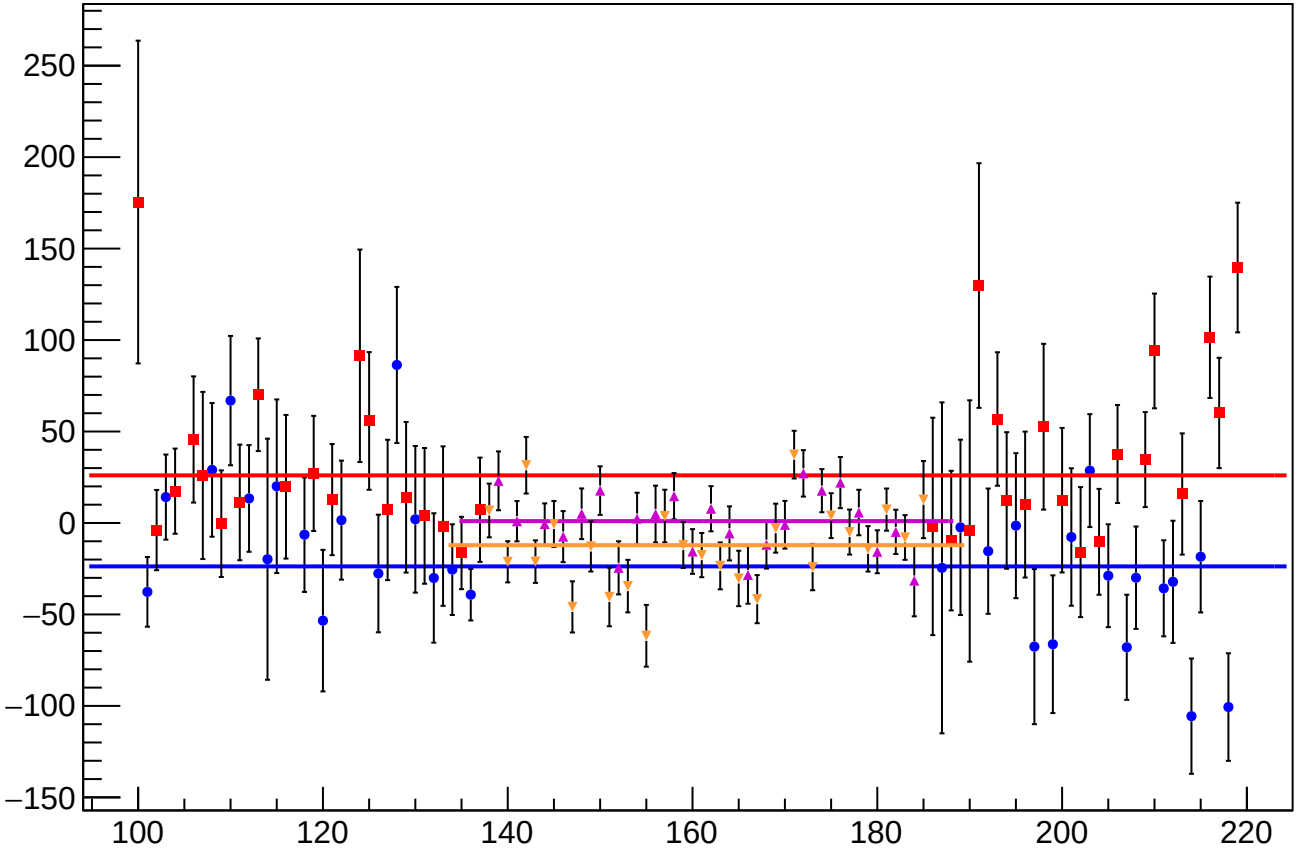
Right: 1756.944+/-0.200 χ^2/NDF: 5358595.9/68

In: 1935.963+/-0.228 χ^2/NDF:4331605.9/54

Out: 1892.272+/-0.217 χ^2/NDF:5126573.5/61

All: 1913.072+/-0.157 χ^2/NDF: 9477432.8/11

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -23.737+/-5.371 χ^2/NDF: 46.5/31

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: 26.034+/-5.516 χ^2/NDF: 46.5/36

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

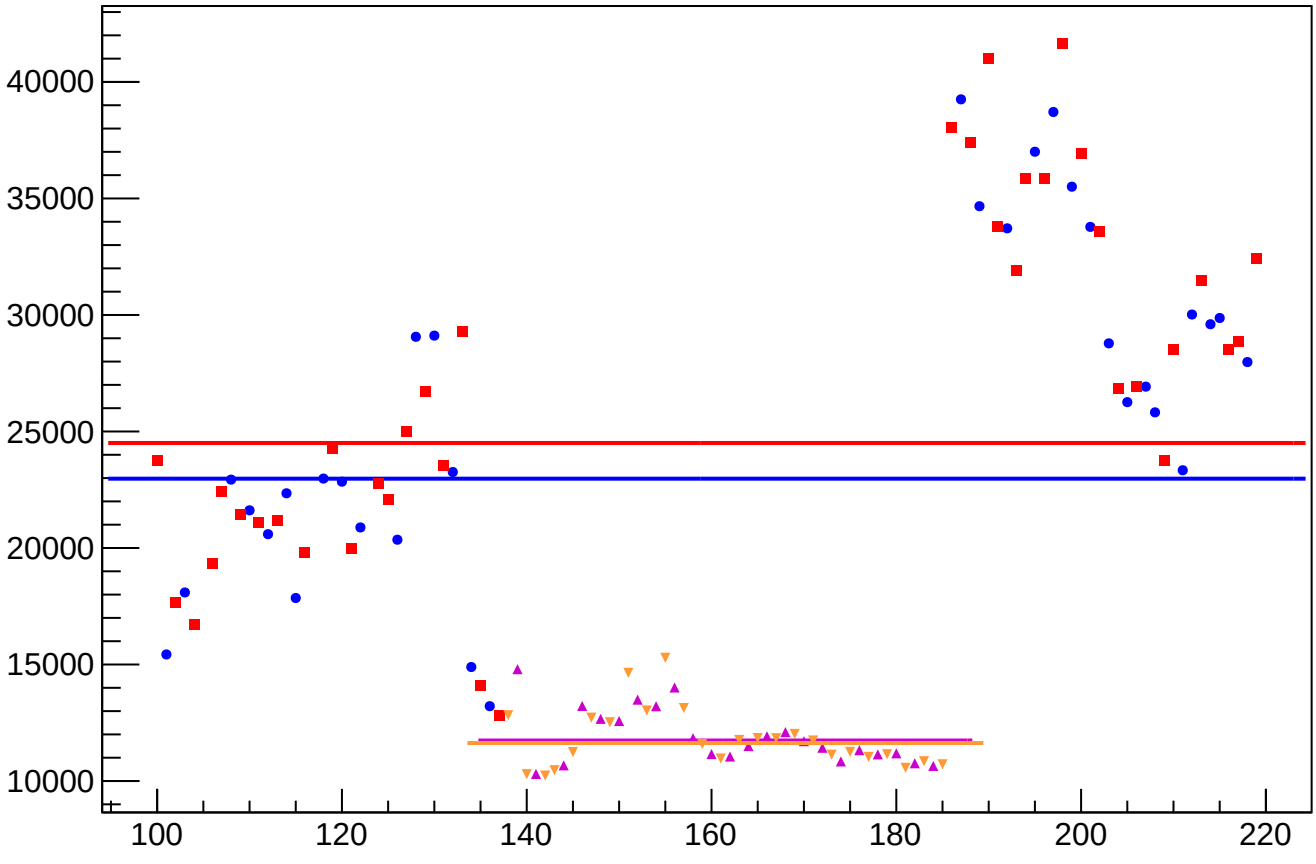
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

Right: 0.486+/-3.848 χ^2/NDF: 134.8/68

In: -4.141+/-2.453 χ^2/NDF:92.1/54

Out: -4.928+/-2.397 χ^2/NDF:147.9/61

All: -4.544+/-1.714 χ^2/NDF: 240.1/116



Right In: 22974.717+/-3.798 χ^2/NDF: 3515469.3/31

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 24507.065+/-3.900 χ^2/NDF: 3382844.3/36

Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

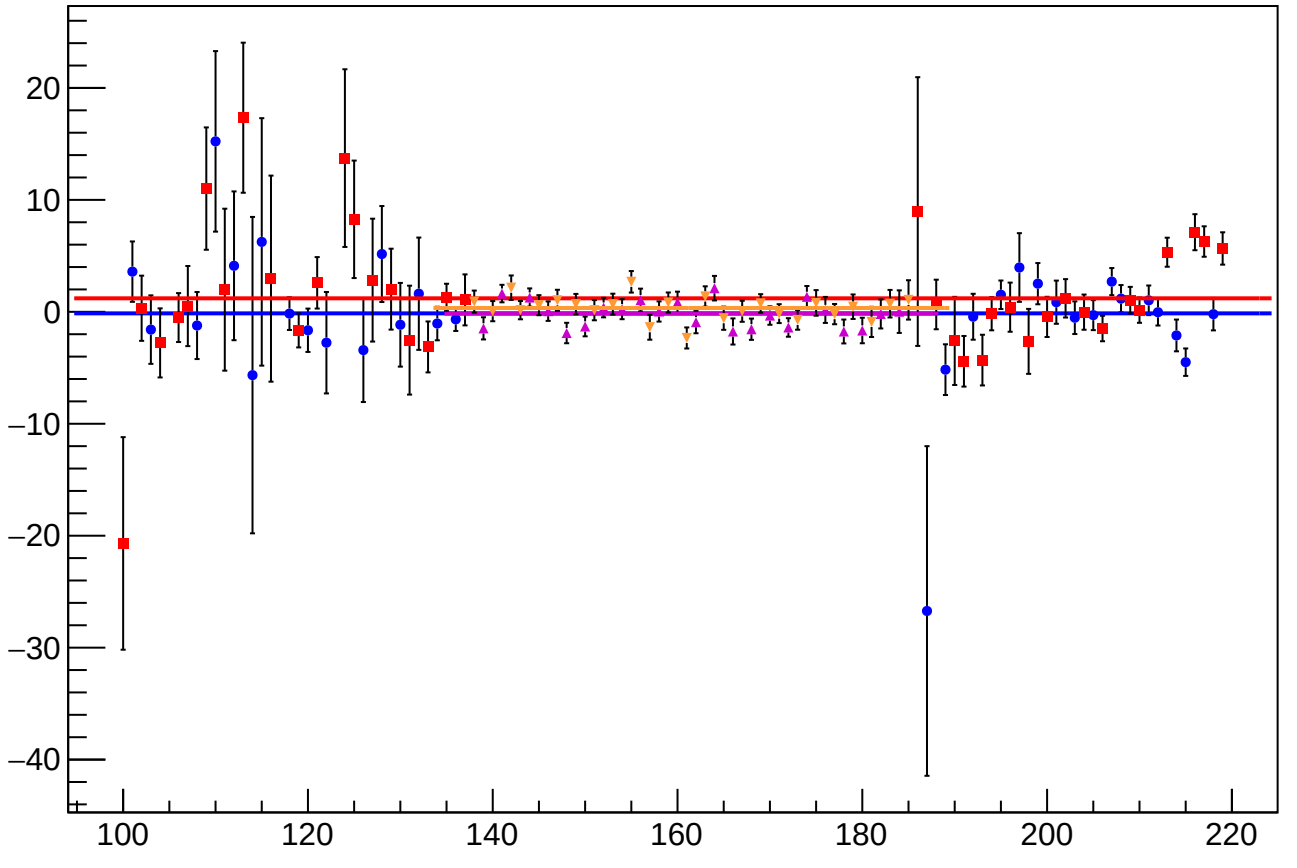
Left: 11682.361+/-1.354 χ^2/NDF: 671157.6/47

Right: 23720.485+/-2.721 χ^2/NDF: 6977542.7/68

In: 14082.383+/-1.735 χ^2/NDF:10756327.6/54

Out: 14061.349+/-1.695 χ^2/NDF:12580506.7/61

All: 14071.622+/-1.212 χ^2/NDF: 23336909.5



Right In: -0.138+/-0.319 χ^2/NDF: 46.7/31

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 1.206+/-0.329 χ^2/NDF: 100.7/36

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

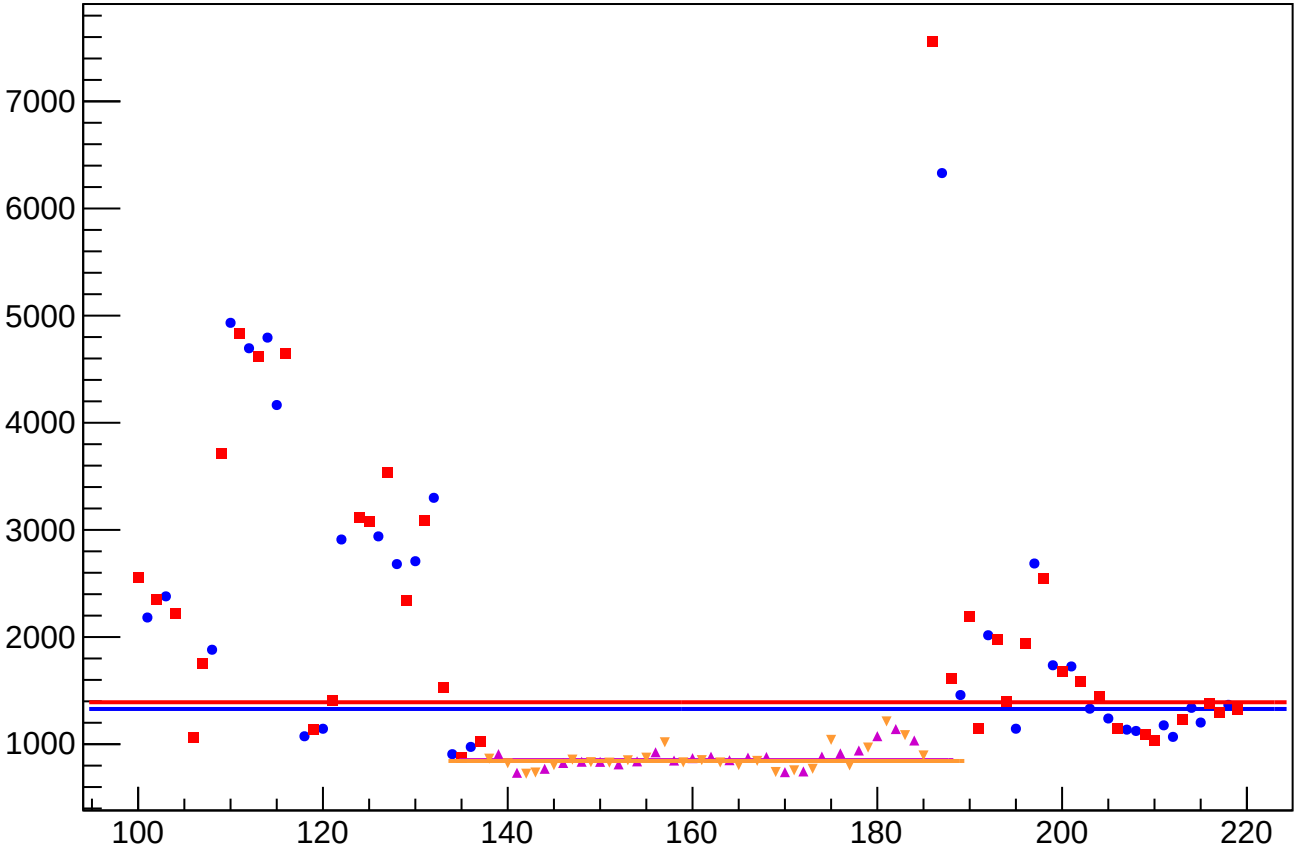
Right: 0.514+/-0.229 χ^2/NDF: 156.0/68

In: -0.157+/-0.170 χ^2/NDF:83.1/54

Out: 0.565+/-0.167 χ^2/NDF:132.5/61

All: 0.211+/-0.119 χ^2/NDF: 224.8/116

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1328.710+/-0.226 χ^2/NDF: 4746219.5/31

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1391.482+/-0.233 χ^2/NDF: 5223357.3/36

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

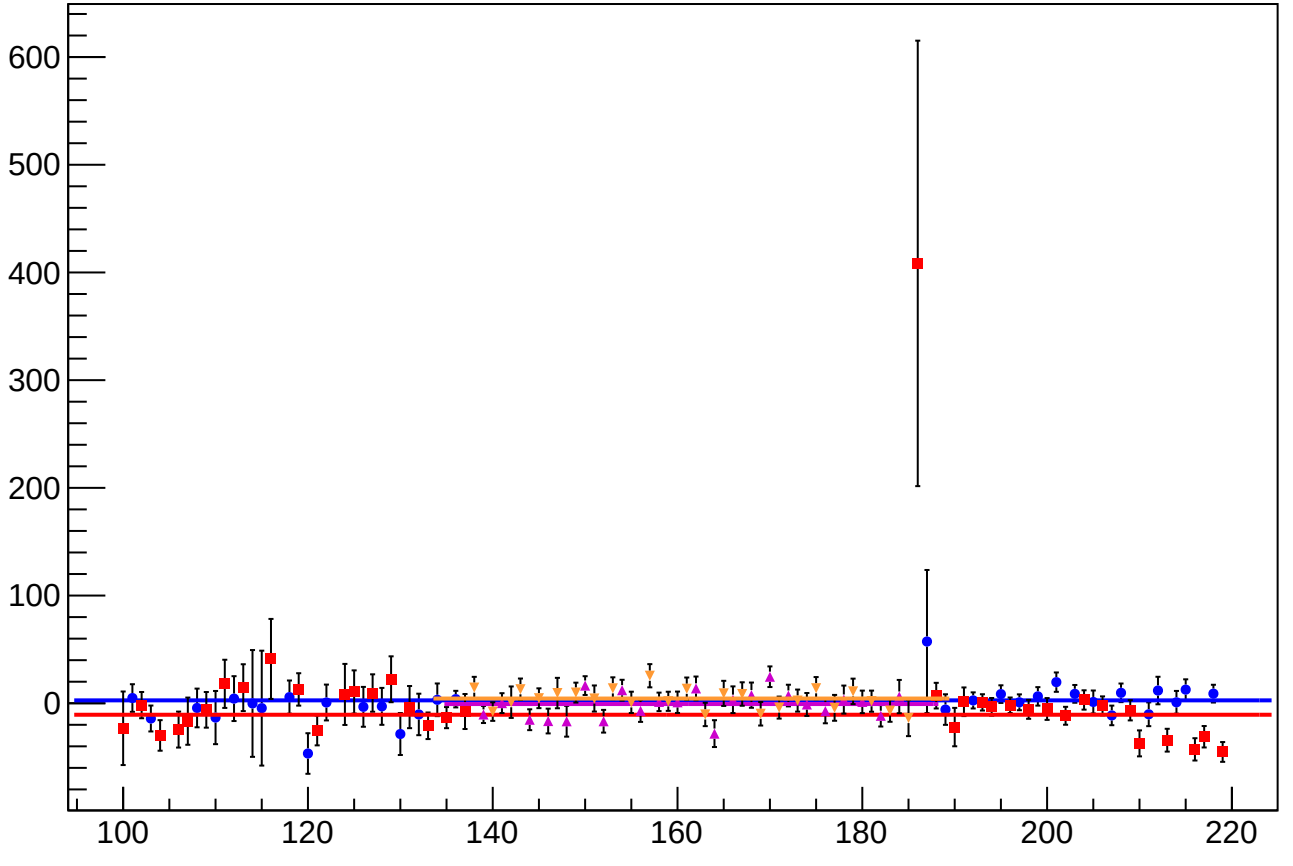
Right: 1359.184+/-0.162 χ^2/NDF: 10007082.3/68

In: 986.842+/-0.120 χ^2/NDF:8326658.2/54

Out: 984.565+/-0.118 χ^2/NDF:9855137.5/61

All: 985.683+/-0.084 χ^2/NDF: 18181978.3/11

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: 2.687+/-2.021 χ^2/NDF: 25.2/31

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -10.670+/-1.971 χ^2/NDF: 72.1/36

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

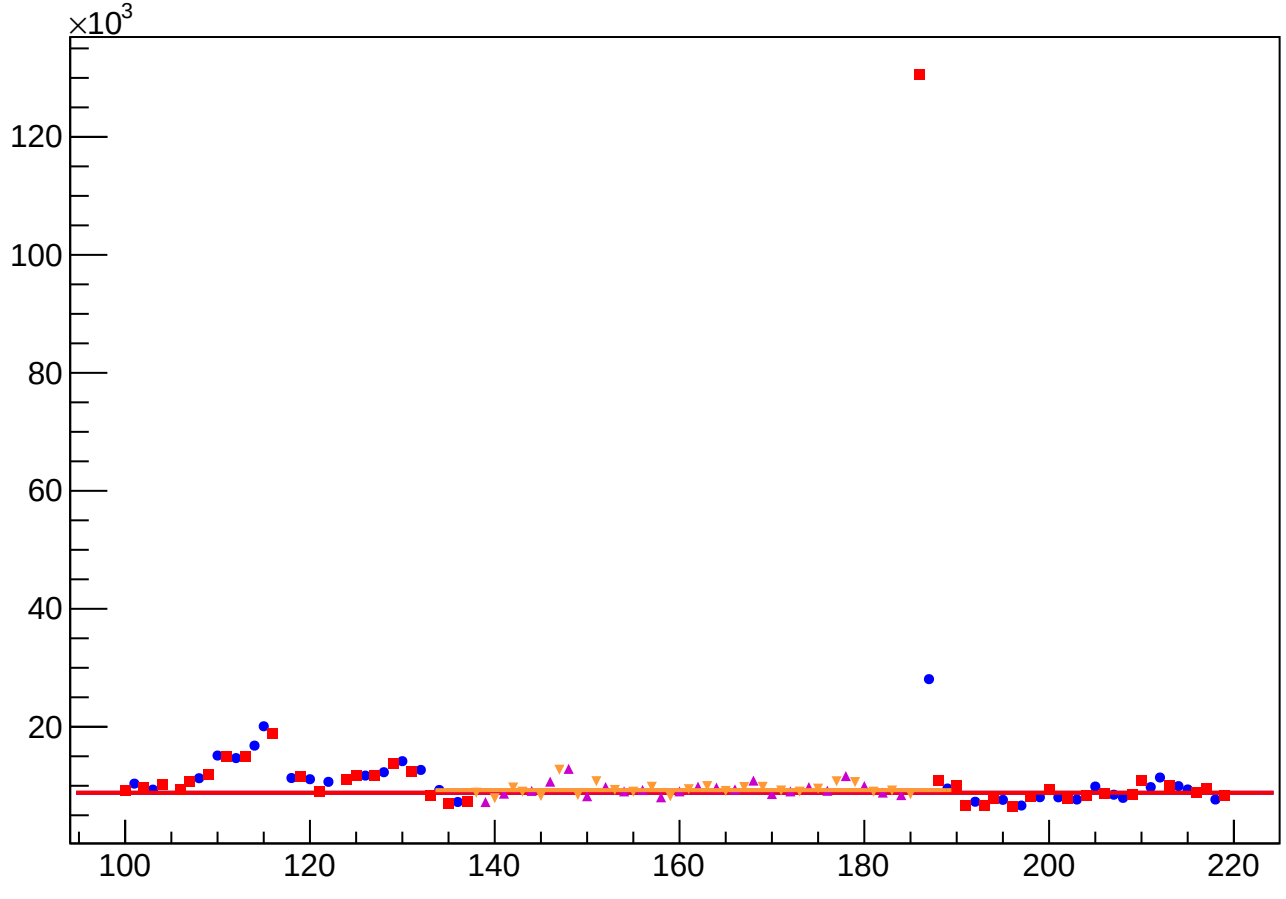
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -4.159+/-1.411 χ^2/NDF: 119.7/68

In: 1.098+/-1.479 χ^2/NDF:58.6/54

Out: -3.696+/-1.444 χ^2/NDF:117.7/61

All: -1.356+/-1.033 χ^2/NDF: 181.6/116



Right In: 8812.108+/-1.429 χ^2/NDF: 1806657.8/31

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8819.223+/-1.394 χ^2/NDF: 2403754.8/36

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

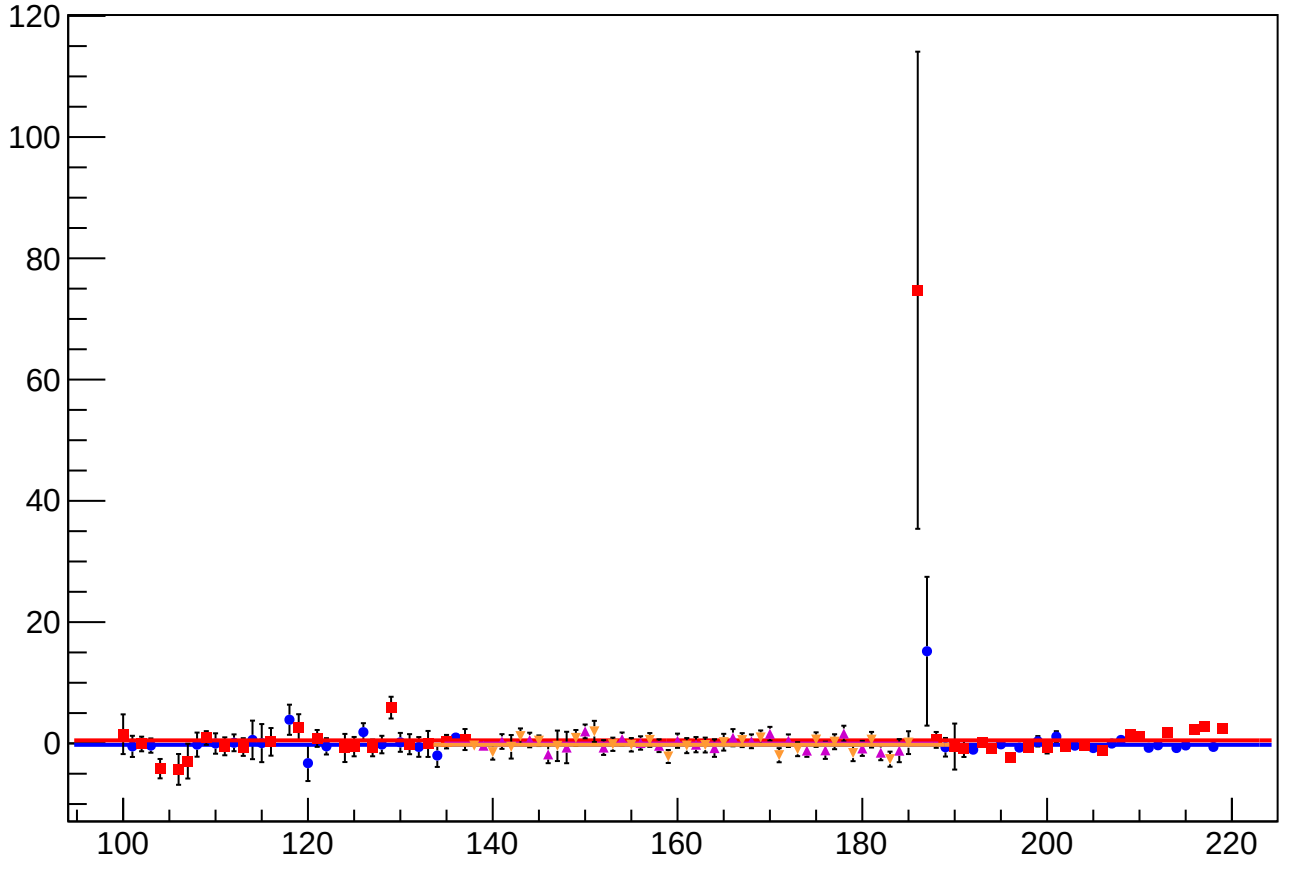
Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

Right: 8815.755+/-0.998 χ^2/NDF: 4210425.2/68

In: 8992.060+/-1.046 χ^2/NDF:2356277.7/54

Out: 9024.163+/-1.021 χ^2/NDF:2816478.5/61

All: 9008.497+/-0.731 χ^2/NDF: 5173238.5/11



Right In: -0.233+/-0.165 χ^2/NDF: 19.1/31

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.499+/-0.163 χ^2/NDF: 102.1/36

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

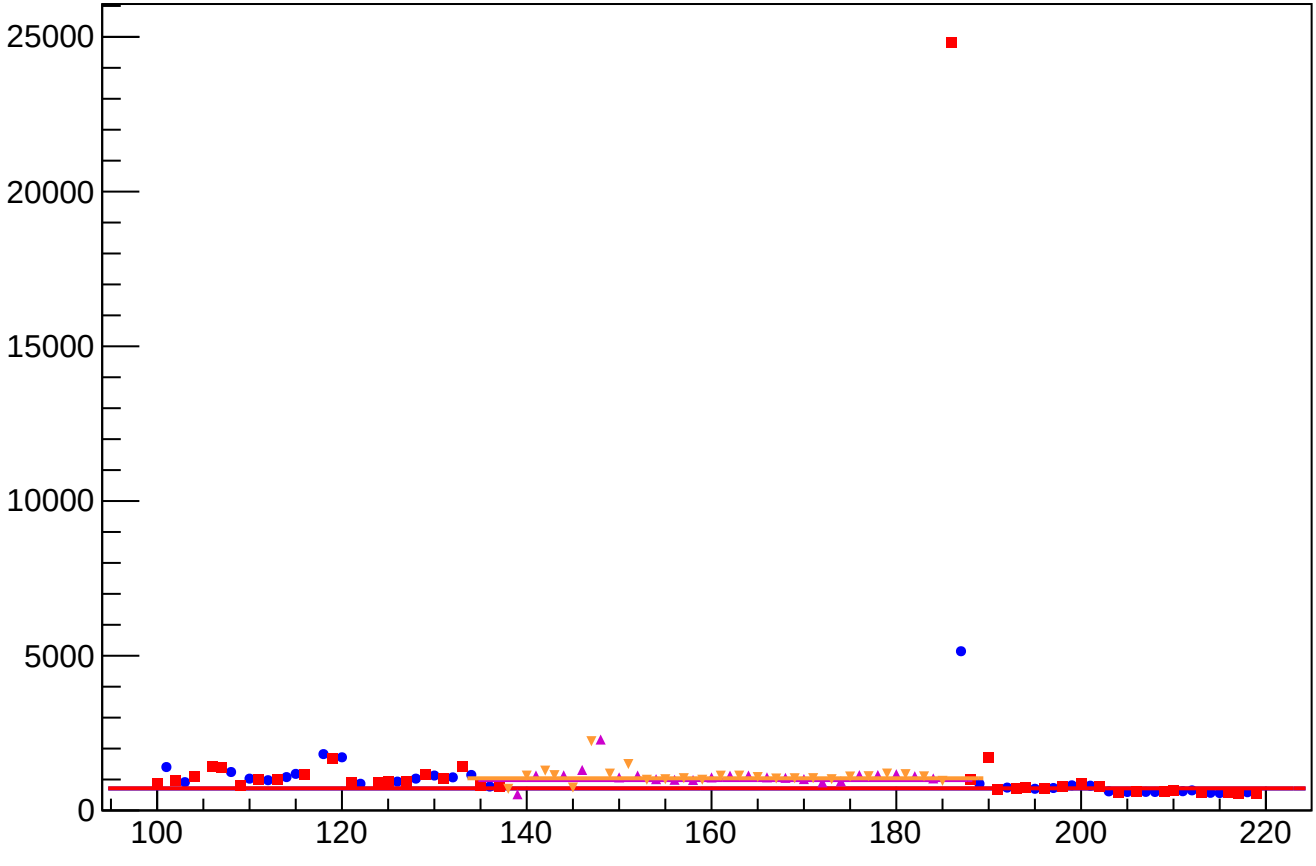
Right: 0.136+/-0.116 χ^2/NDF: 131.1/68

In: -0.166+/-0.136 χ^2/NDF:34.9/54

Out: 0.272+/-0.136 χ^2/NDF:127.2/61

All: 0.053+/-0.096 χ^2/NDF: 167.3/116

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 708.284+/-0.117 χ^2/NDF: 2817194.5/31

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 715.647+/-0.116 χ^2/NDF: 3393972.1/36

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

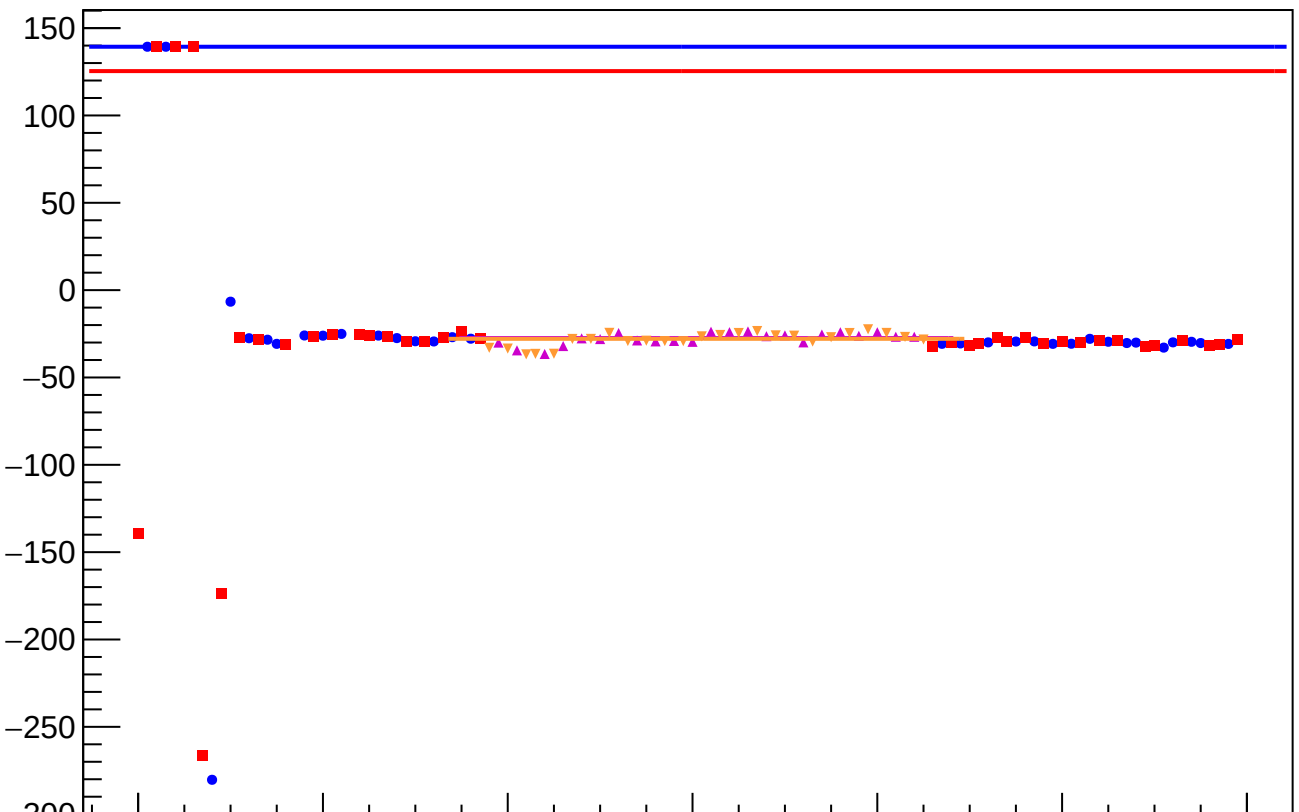
Right: 711.999+/-0.082 χ^2/NDF: 6213177.2/68

In: 796.459+/-0.096 χ^2/NDF:6813771.2/54

Out: 816.281+/-0.096 χ^2/NDF:7172531.3/61

All: 806.376+/-0.068 χ^2/NDF: 14007624.9/1

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.336+/-0.000 χ^2/NDF: 69794093173.6/31

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774194018093061.0/36

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

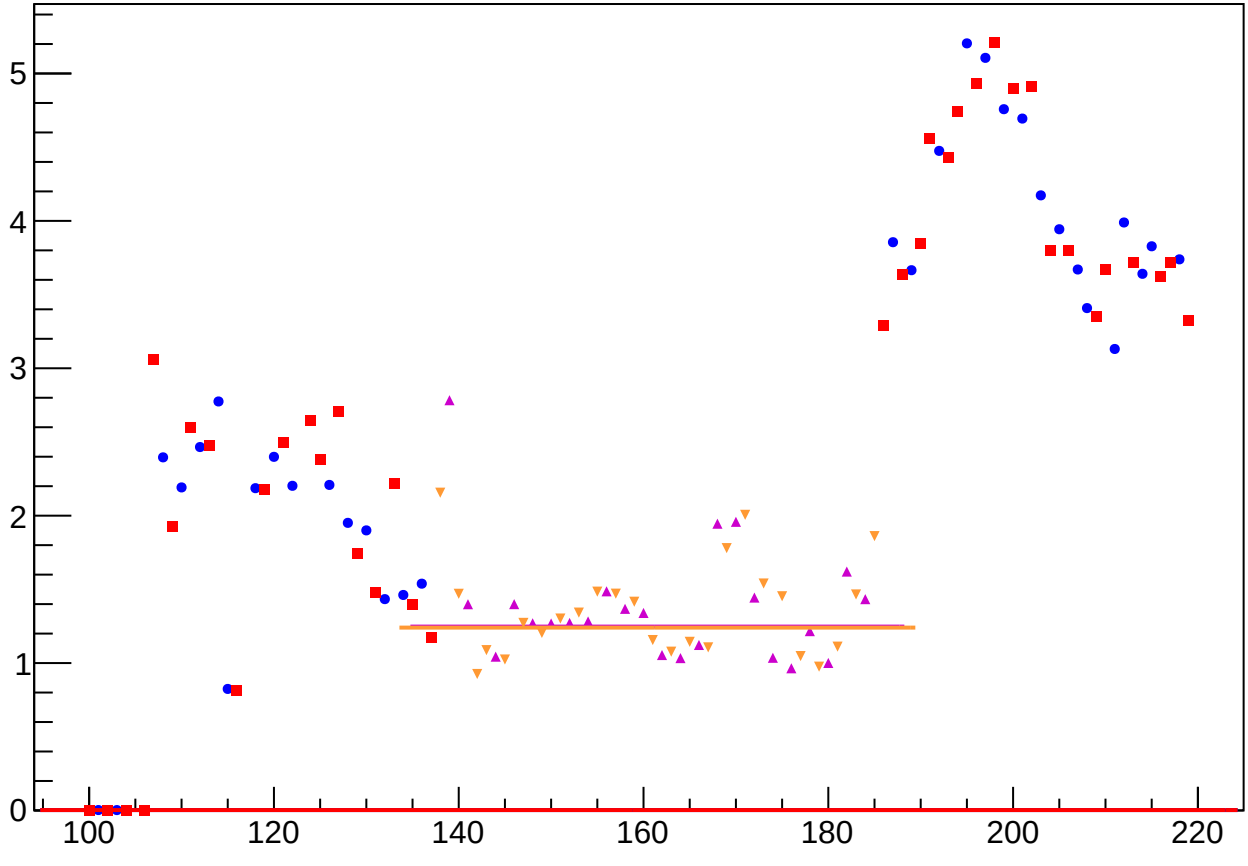
Right: 131.818+/-0.000 χ^2/NDF: 793048399625543

In: 139.328+/-0.000 χ^2/NDF:324191693830.0/54

Out: 125.384+/-0.000 χ^2/NDF:774424705342033.

All: 131.810+/-0.000 χ^2/NDF: 79353081010

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 34632382.7/31

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 36916850.9/36

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

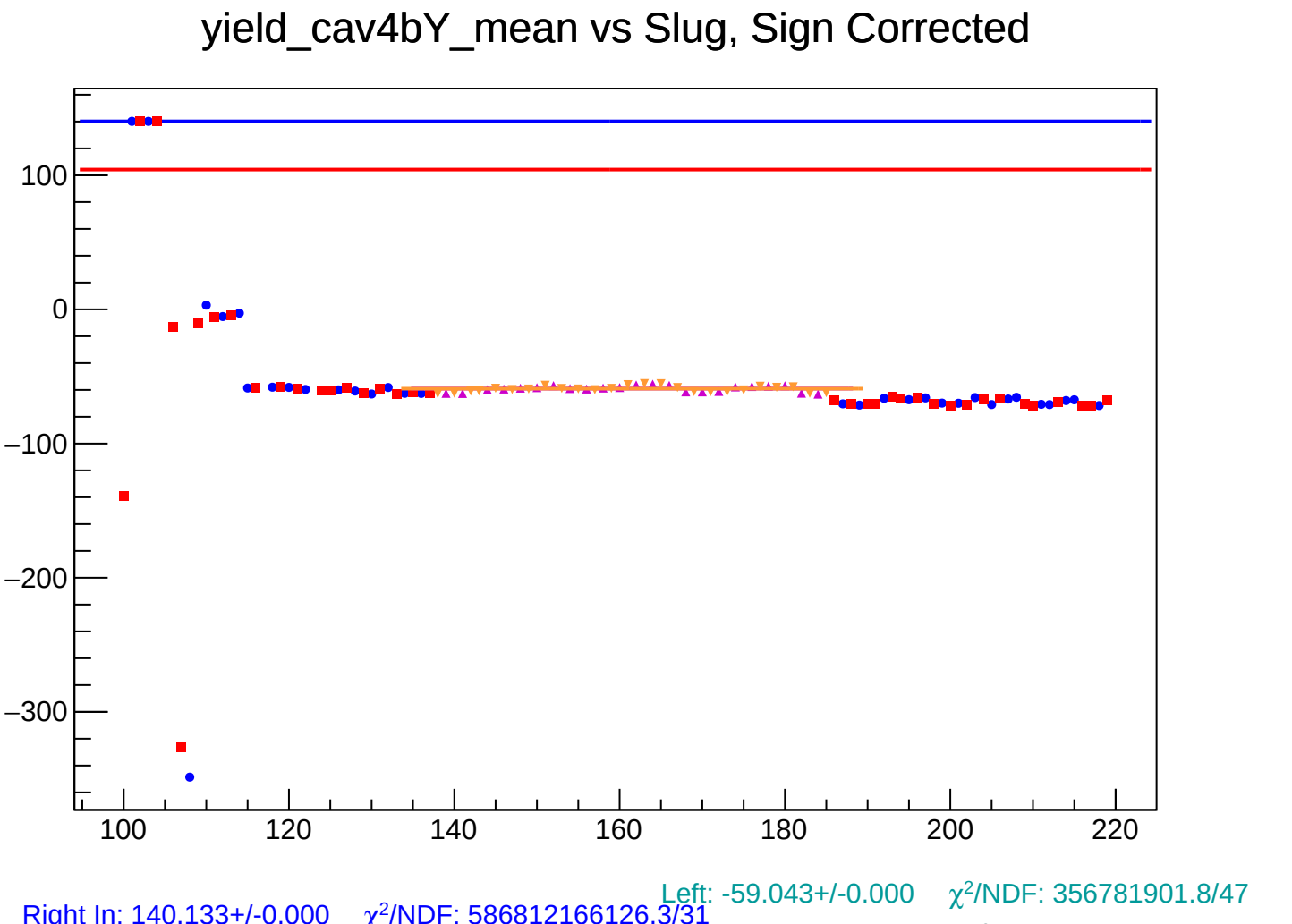
Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

Right: 0.003+/-0.000 χ^2/NDF: 71549431.5/68

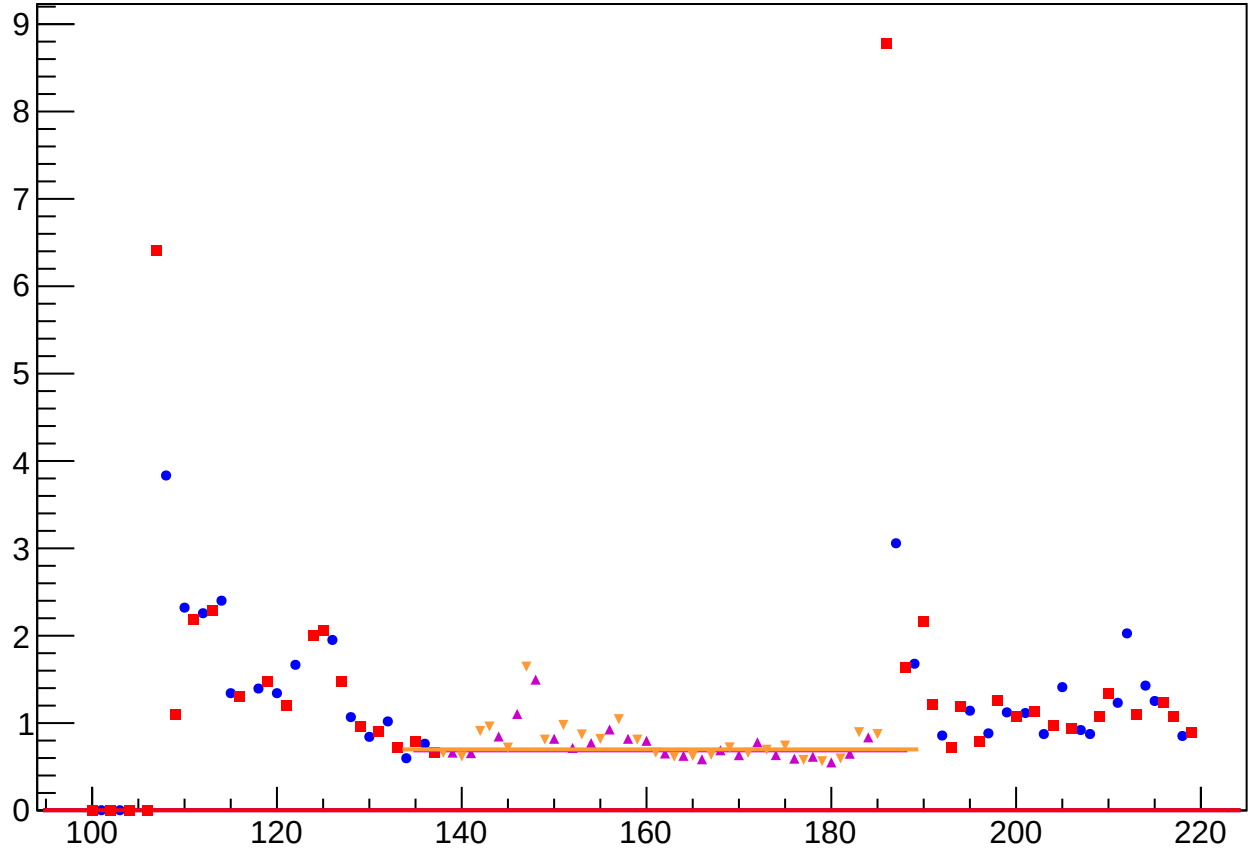
In: 0.003+/-0.000 χ^2/NDF:64397355.8/54

Out: 0.003+/-0.000 χ^2/NDF:68216456.3/61

All: 0.003+/-0.000 χ^2/NDF: 132614084.9/116


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
120
140
160
180
200
220
Right In: 140.133+/-0.000 χ²/NDF: 586812166126.3/31
Left Out: -59.066+/-0.000 χ²/NDF:177511074.0/24
Right Out: 104.215+/-0.000 χ²/NDF: 1257717494106069.5/36
Left In: -59.020+/-0.000 χ²/NDF:179236820.4/22
Left: -59.043+/-0.000 χ²/NDF: 356781901.8/47
Right: 120.822+/-0.000 χ²/NDF: 138160363806300
In: 140.097+/-0.000 χ²/NDF:1862278478532.2/54
Out: 104.190+/-0.000 χ²/NDF:125858905558343
All: 120.791+/-0.000 χ²/NDF: 13837016007

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 31636164.4/31

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 34272336.2/36

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

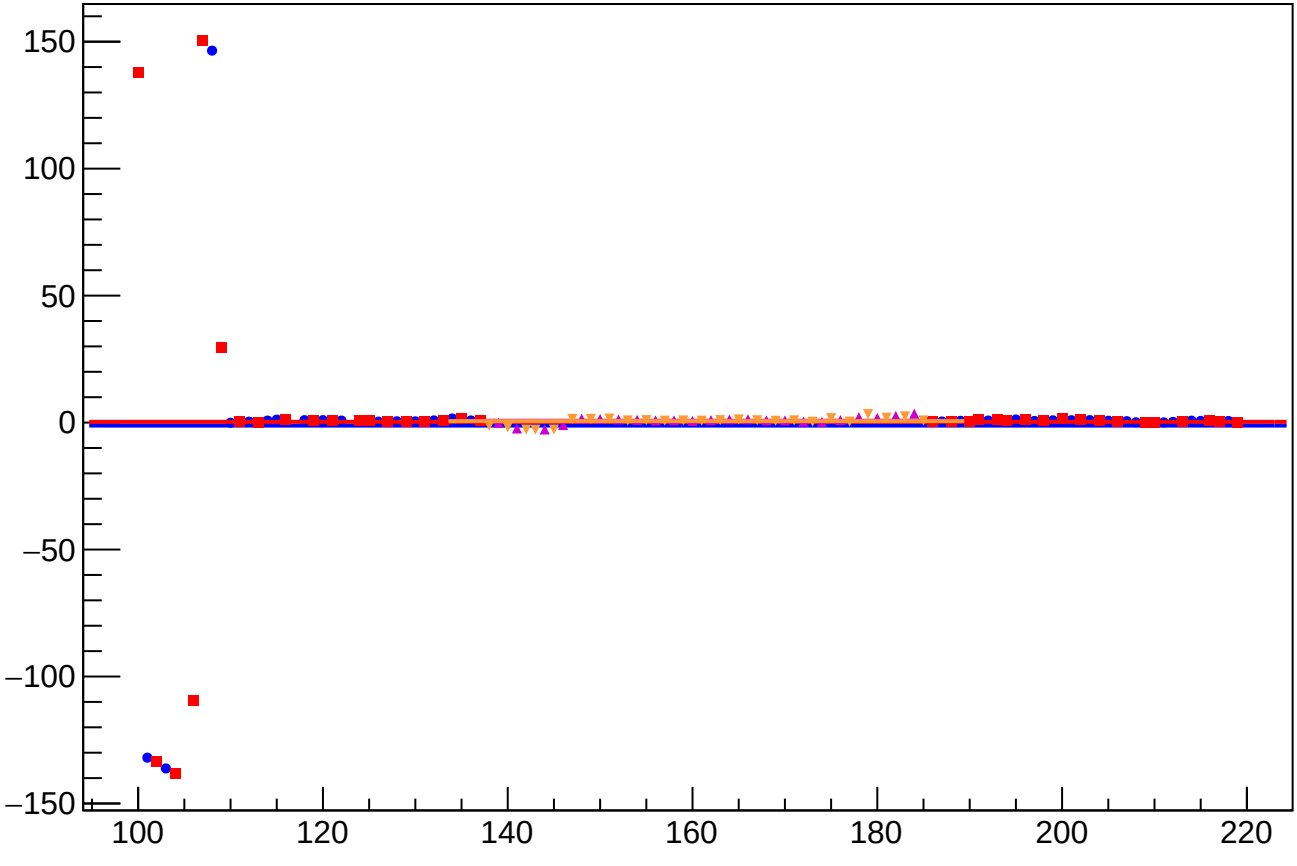
Right: 0.003+/-0.000 χ^2/NDF: 65908721.6/68

In: 0.003+/-0.000 χ^2/NDF:62938330.3/54

Out: 0.003+/-0.000 χ^2/NDF:67325730.9/61

All: 0.003+/-0.000 χ^2/NDF: 130264498.9/116

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.173+/-0.000 χ^2/NDF: 9912799531.4/31

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.299+/-0.000 χ^2/NDF: 3613096140.1/36

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

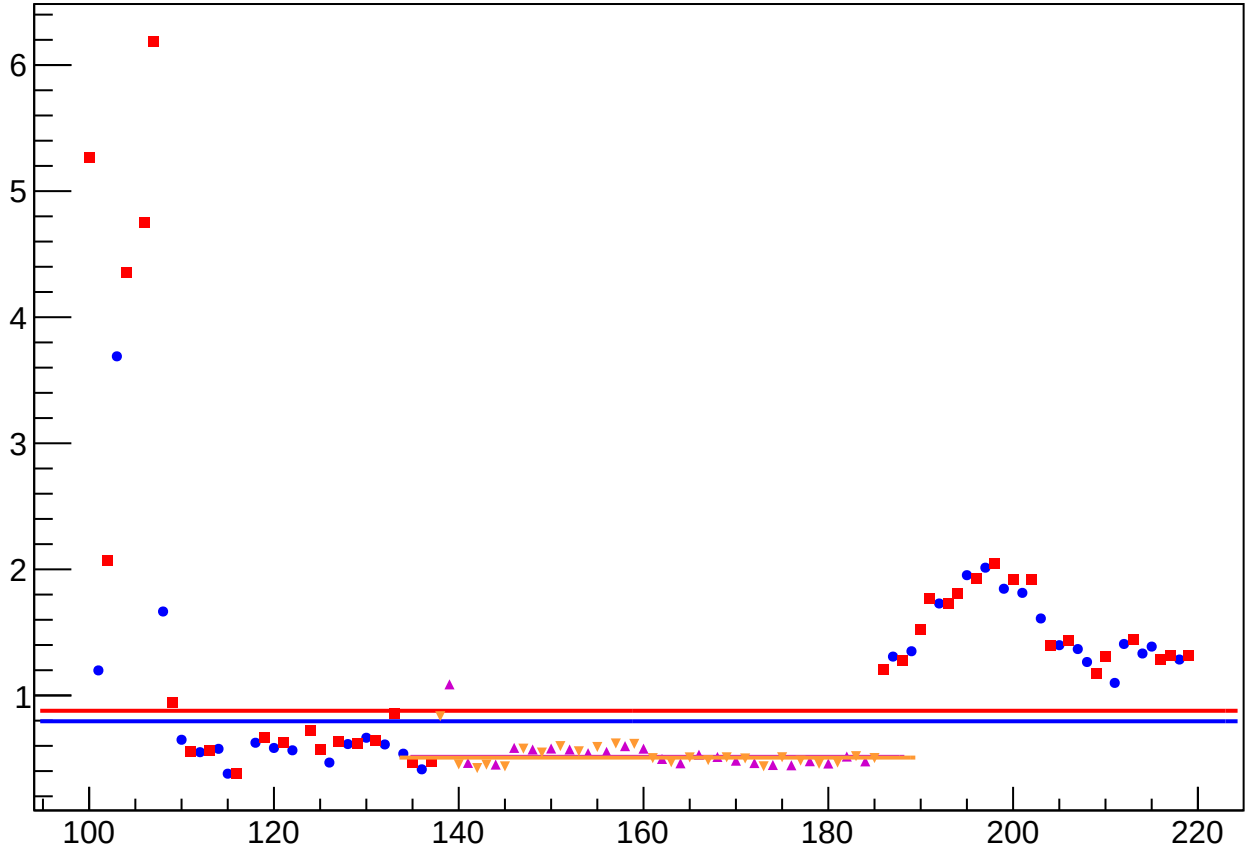
Right: -0.479+/-0.000 χ^2/NDF: 13548388528.1/68

In: 0.195+/-0.000 χ^2/NDF:10075330528.5/54

Out: 0.507+/-0.000 χ^2/NDF:3768594186.7/61

All: 0.353+/-0.000 χ^2/NDF: 13847798976.6/1

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.795+/-0.000 χ^2/NDF: 8991739.2/31

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.878+/-0.000 χ^2/NDF: 9366162.3/36

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

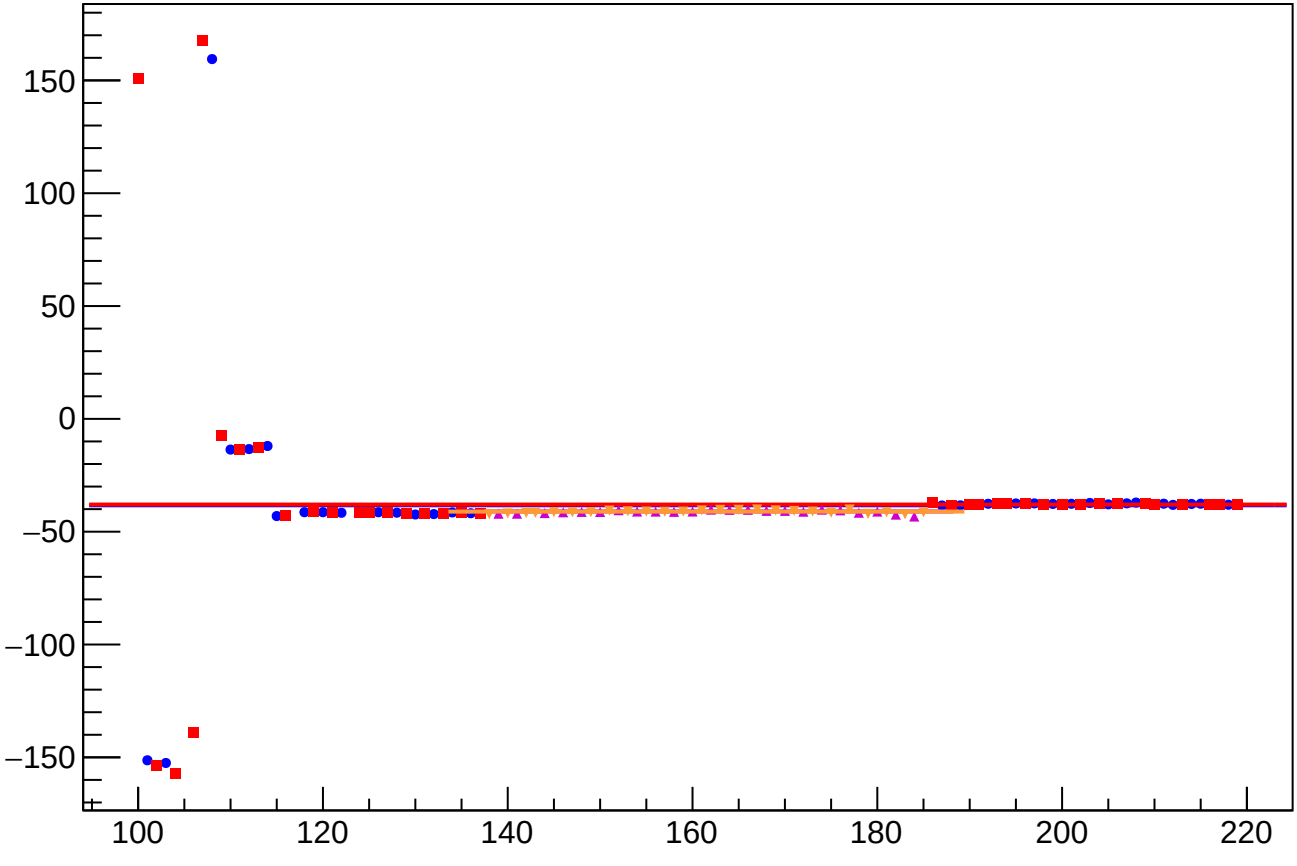
Right: 0.834+/-0.000 χ^2/NDF: 18501659.2/68

In: 0.592+/-0.000 χ^2/NDF:12264557.9/54

Out: 0.598+/-0.000 χ^2/NDF:14015974.9/61

All: 0.595+/-0.000 χ^2/NDF: 26282665.6/116

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -38.295+/-0.000 χ^2/NDF: 3623534280.4/31

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -37.978+/-0.000 χ^2/NDF: 2514614432.7/36

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

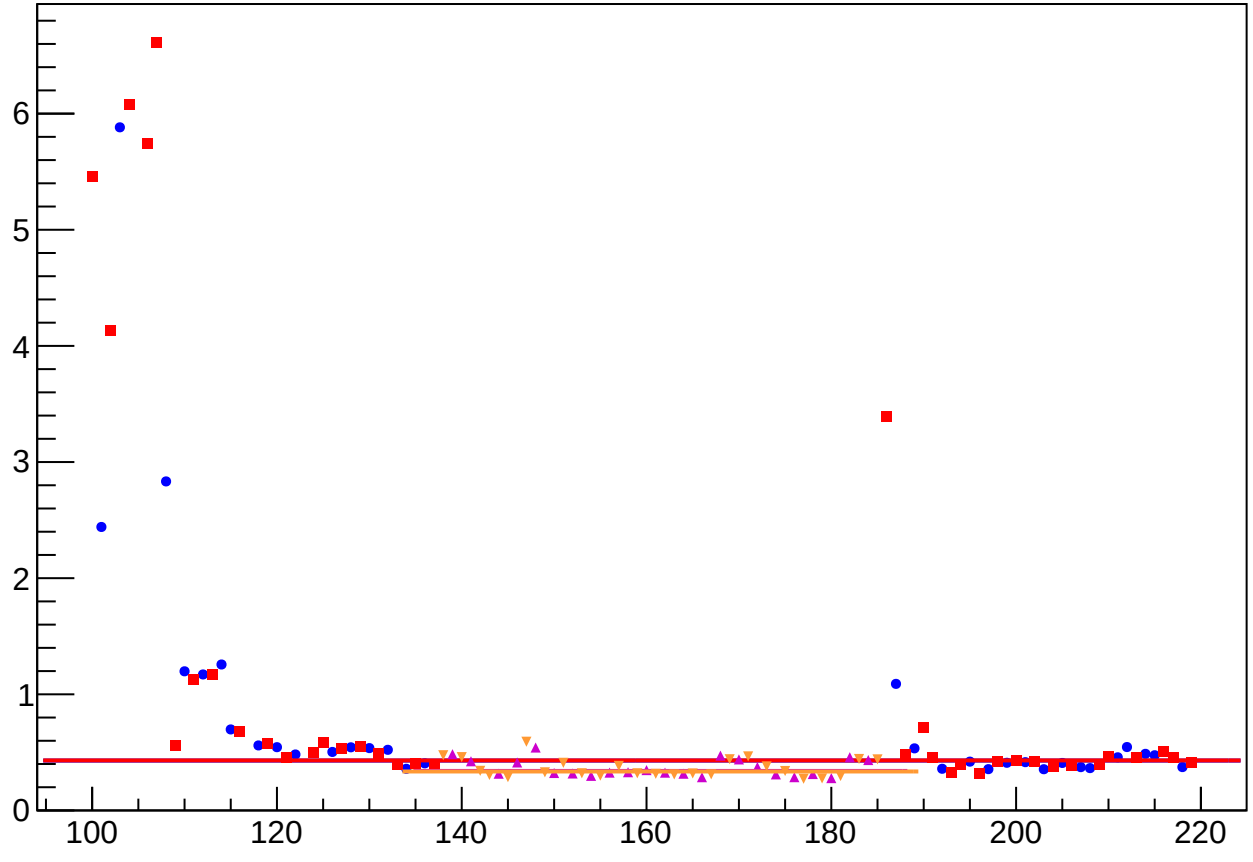
Right: -38.133+/-0.000 χ^2/NDF: 6142794629.1/68

In: -39.980+/-0.000 χ^2/NDF:4091236946.4/54

Out: -39.926+/-0.000 χ^2/NDF:3146736245.1/61

All: -39.952+/-0.000 χ^2/NDF: 7238326138.7/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.429+/-0.000 χ^2/NDF: 3894148.4/31

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.431+/-0.000 χ^2/NDF: 4747529.2/36

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

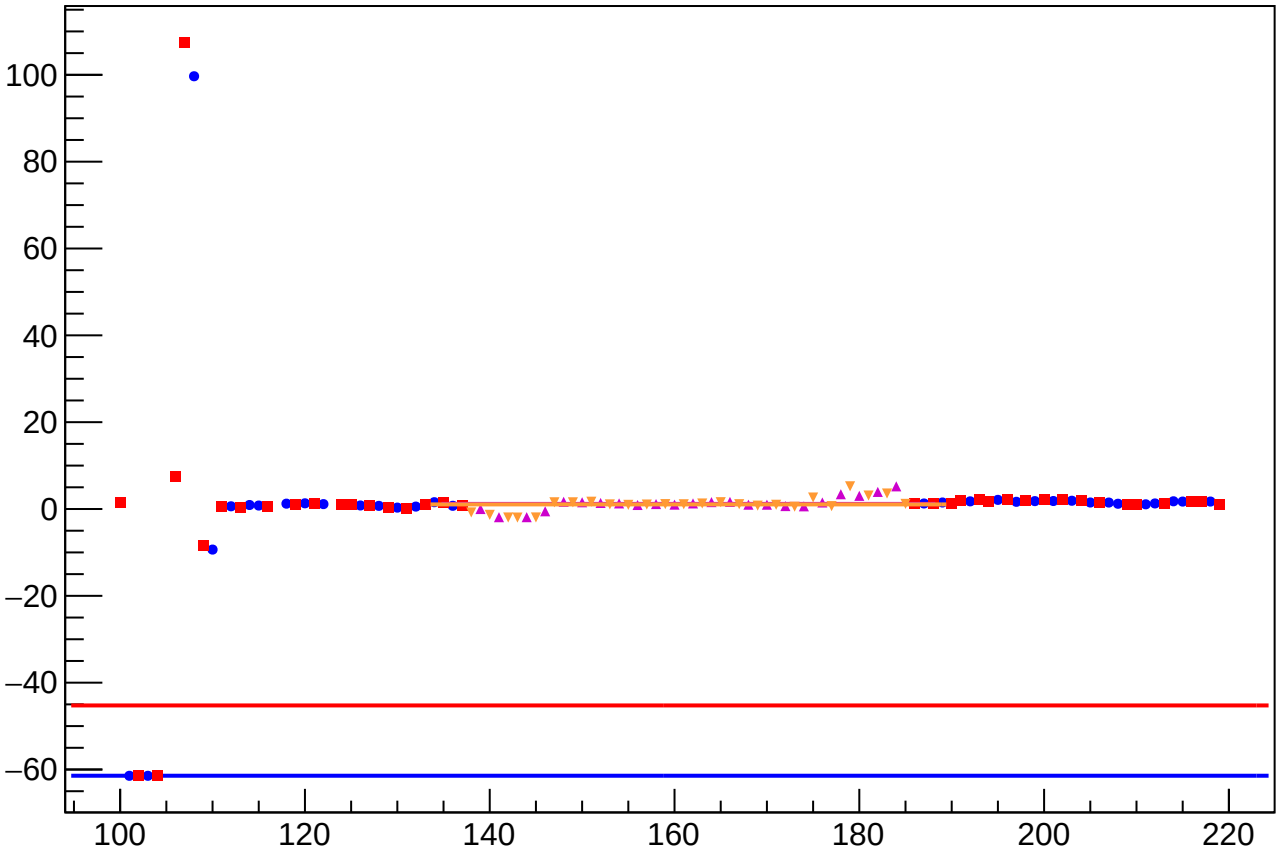
Right: 0.430+/-0.000 χ^2/NDF: 8641857.8/68

In: 0.374+/-0.000 χ^2/NDF:5846245.9/54

Out: 0.371+/-0.000 χ^2/NDF:7054578.6/61

All: 0.373+/-0.000 χ^2/NDF: 12903292.4/116

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.435+/-0.000 χ^2/NDF: 305063041301.8/31

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.244+/-0.000 χ^2/NDF: 357888862928465.4/36

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

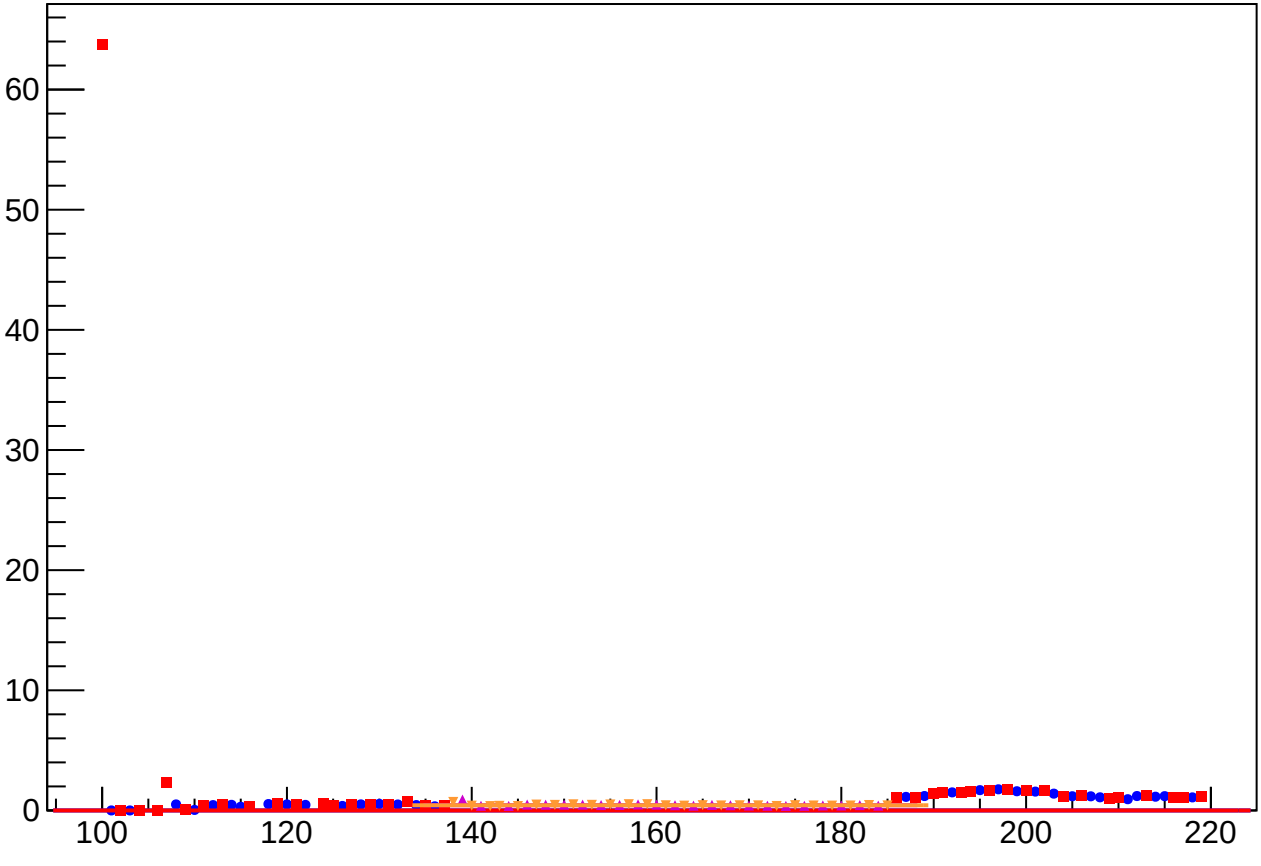
Right: -52.748+/-0.000 χ^2/NDF: 409170337501255

In: -61.421+/-0.000 χ^2/NDF:607916692663.1/54

Out: -45.235+/-0.000 χ^2/NDF:358070139884560.

All: -52.737+/-0.000 χ^2/NDF: 409639734548

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 34208716.6/31

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 36549759.5/36

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

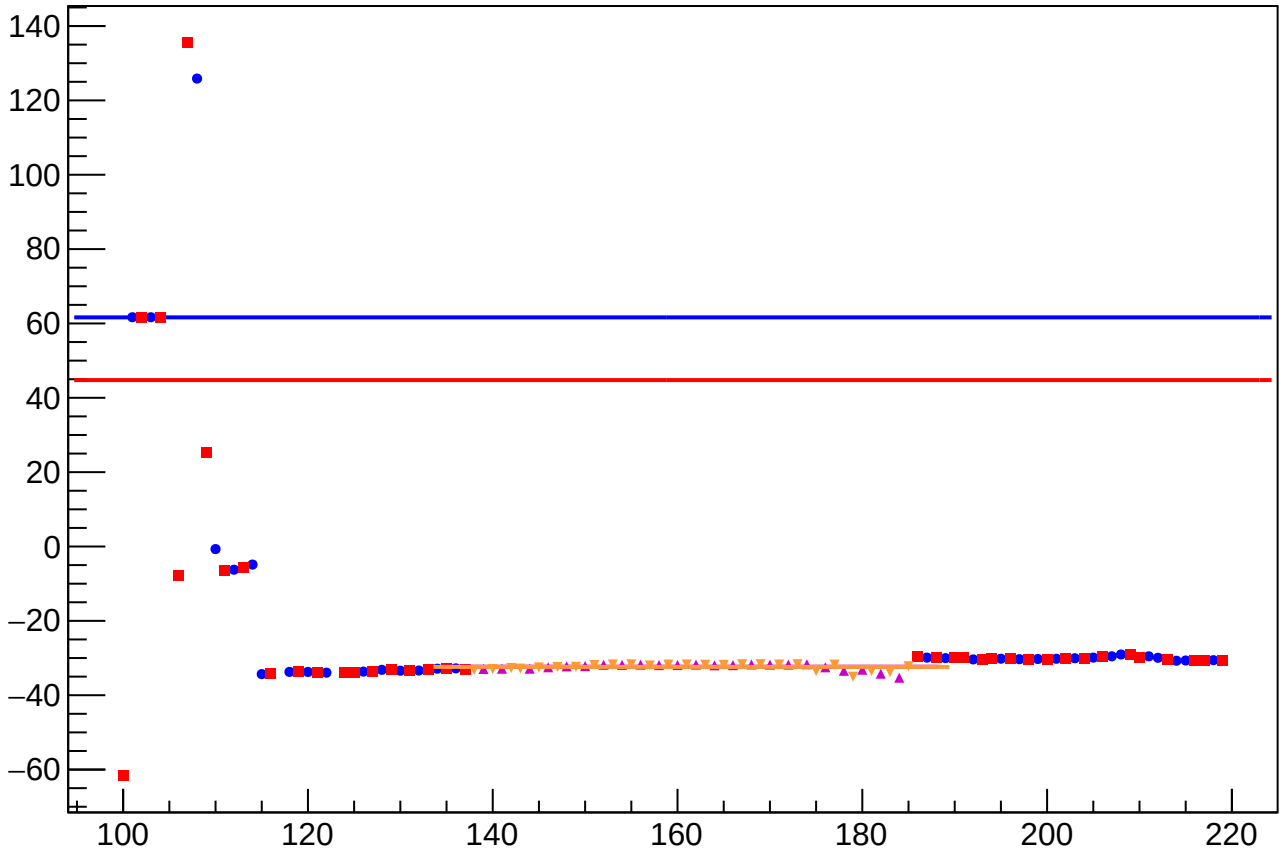
Right: 0.001+/-0.000 χ^2/NDF: 70758483.4/68

In: 0.002+/-0.000 χ^2/NDF:64347221.2/54

Out: 0.002+/-0.000 χ^2/NDF:68313201.1/61

All: 0.002+/-0.000 χ^2/NDF: 132660467.7/116

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.634+/-0.000 χ^2/NDF: 1243436501806.2/31

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.765+/-0.000 χ^2/NDF: 3666786537197 65.6/36

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

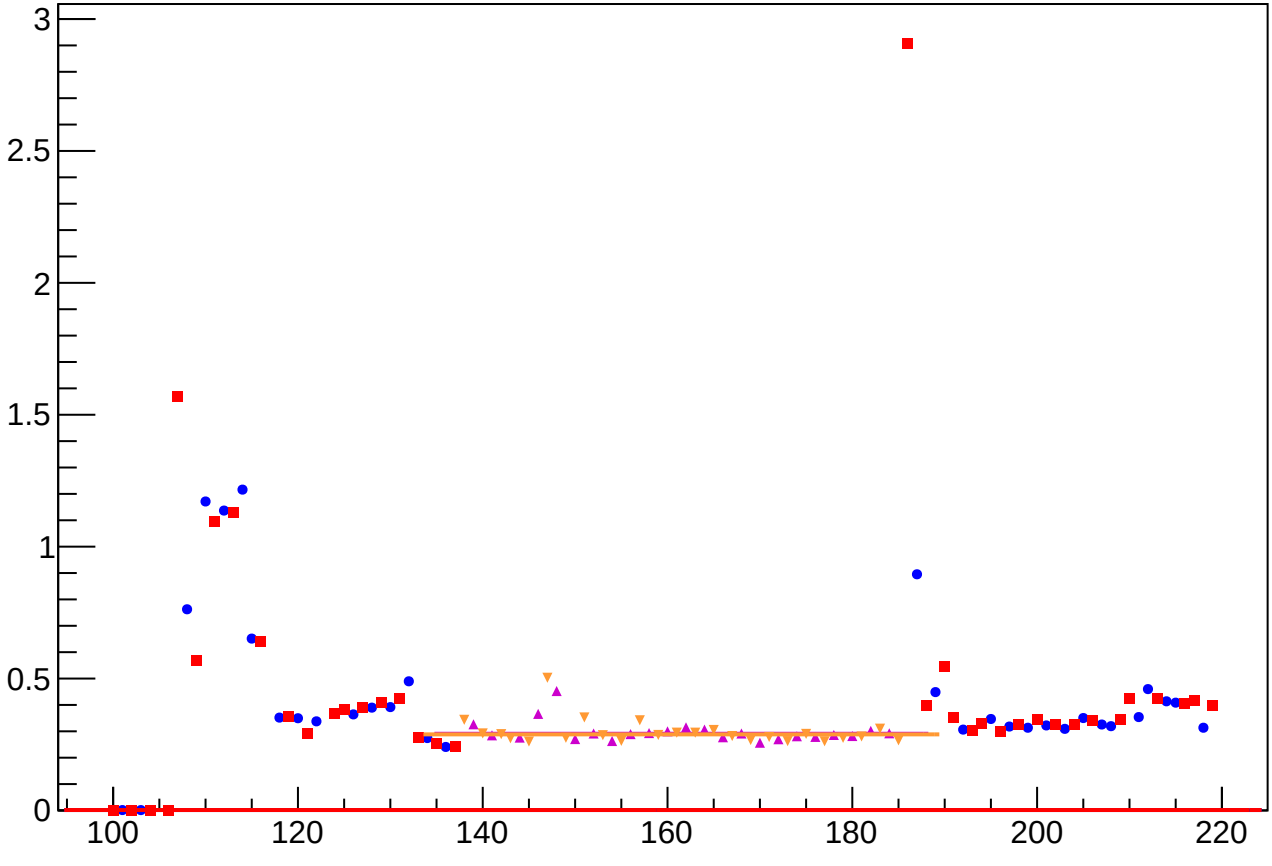
Right: 52.665+/-0.000 χ^2/NDF: 418993051549239.4

In: 61.576+/-0.000 χ^2/NDF:3066220119146.9/54

Out: 44.721+/-0.000 χ^2/NDF:367996553424999.5

All: 52.614+/-0.000 χ^2/NDF: 422086026160

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 35526118.4/31

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 37374606.6/36

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

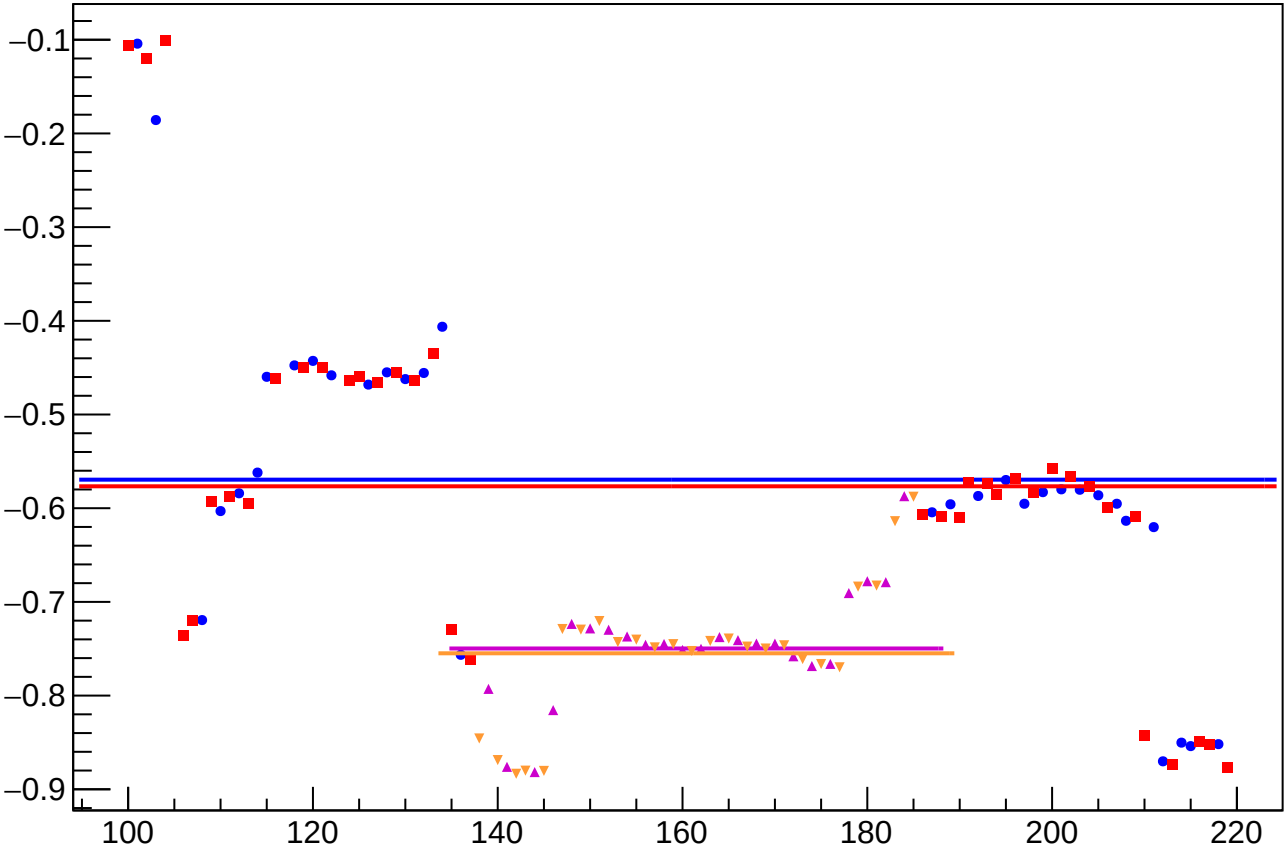
Right: 0.002+/-0.000 χ^2/NDF: 72900760.3/68

In: 0.002+/-0.000 χ^2/NDF:70411523.1/54

Out: 0.002+/-0.000 χ^2/NDF:74311729.6/61

All: 0.002+/-0.000 χ^2/NDF: 144723253.2/116

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.570+/-0.000 χ^2/NDF: 413190957.7/31

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.577+/-0.000 χ^2/NDF: 349705133.9/36

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

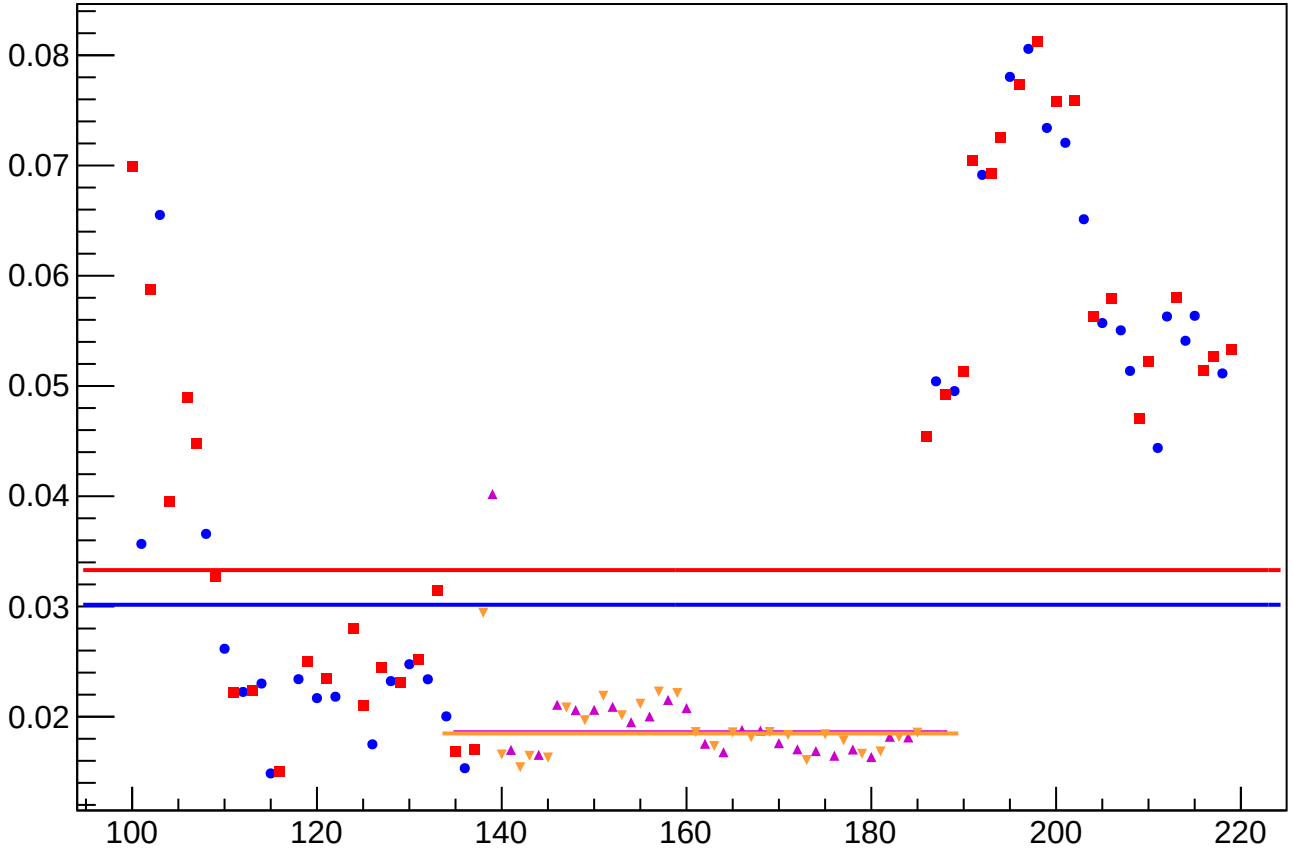
Right: -0.573+/-0.000 χ^2/NDF: 763262483.9/68

In: -0.702+/-0.000 χ^2/NDF:919397310.6/54

Out: -0.713+/-0.000 χ^2/NDF:902477165.0/61

All: -0.708+/-0.000 χ^2/NDF: 1825531918.1/1

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 9153652.1/31

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.033+/-0.000 χ^2/NDF: 8695717.9/36

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

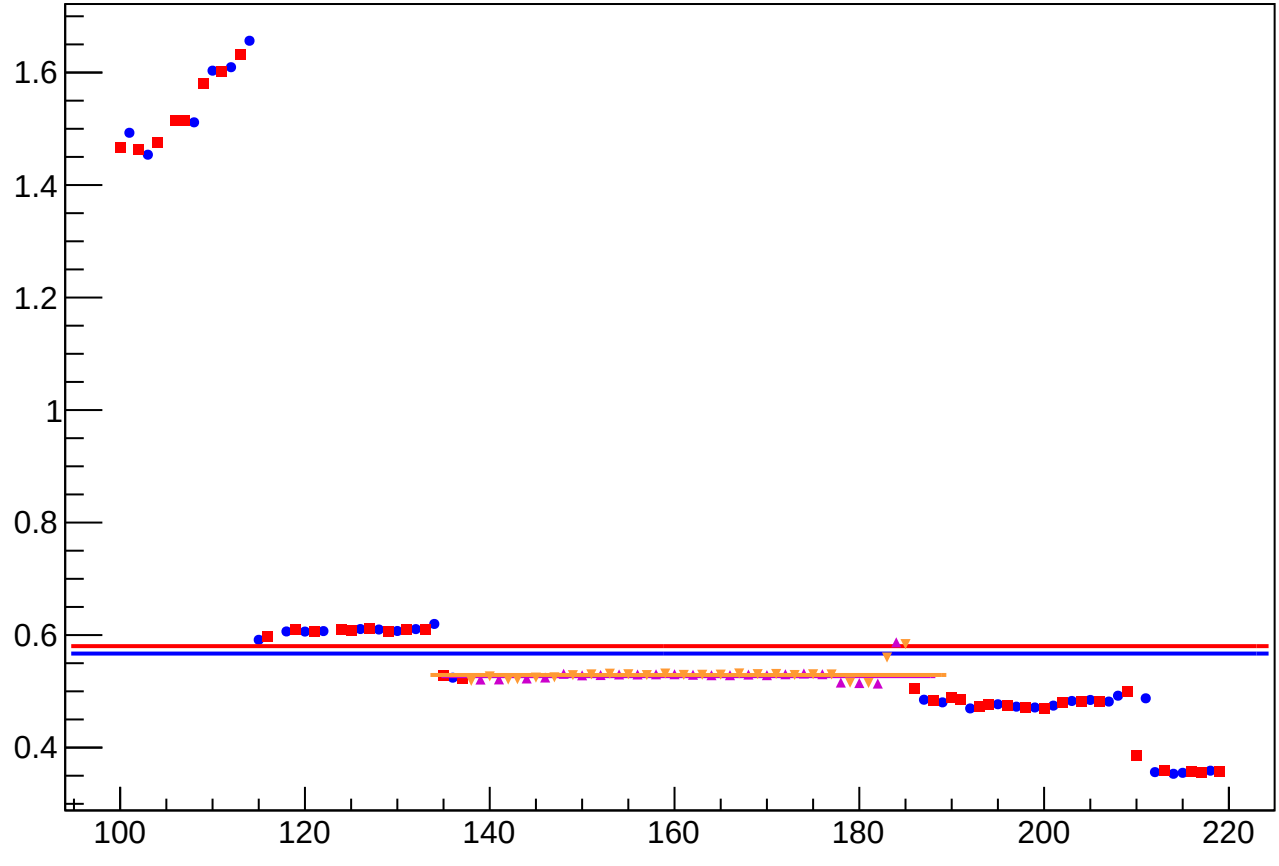
Right: 0.032+/-0.000 χ^2/NDF: 17993835.0/68

In: 0.022+/-0.000 χ^2/NDF:12901460.2/54

Out: 0.022+/-0.000 χ^2/NDF:13886596.9/61

All: 0.022+/-0.000 χ^2/NDF: 26793188.4/116

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.567+/-0.000 χ^2/NDF: 6300901932.0/31

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.580+/-0.000 χ^2/NDF: 7341846493.3/36

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

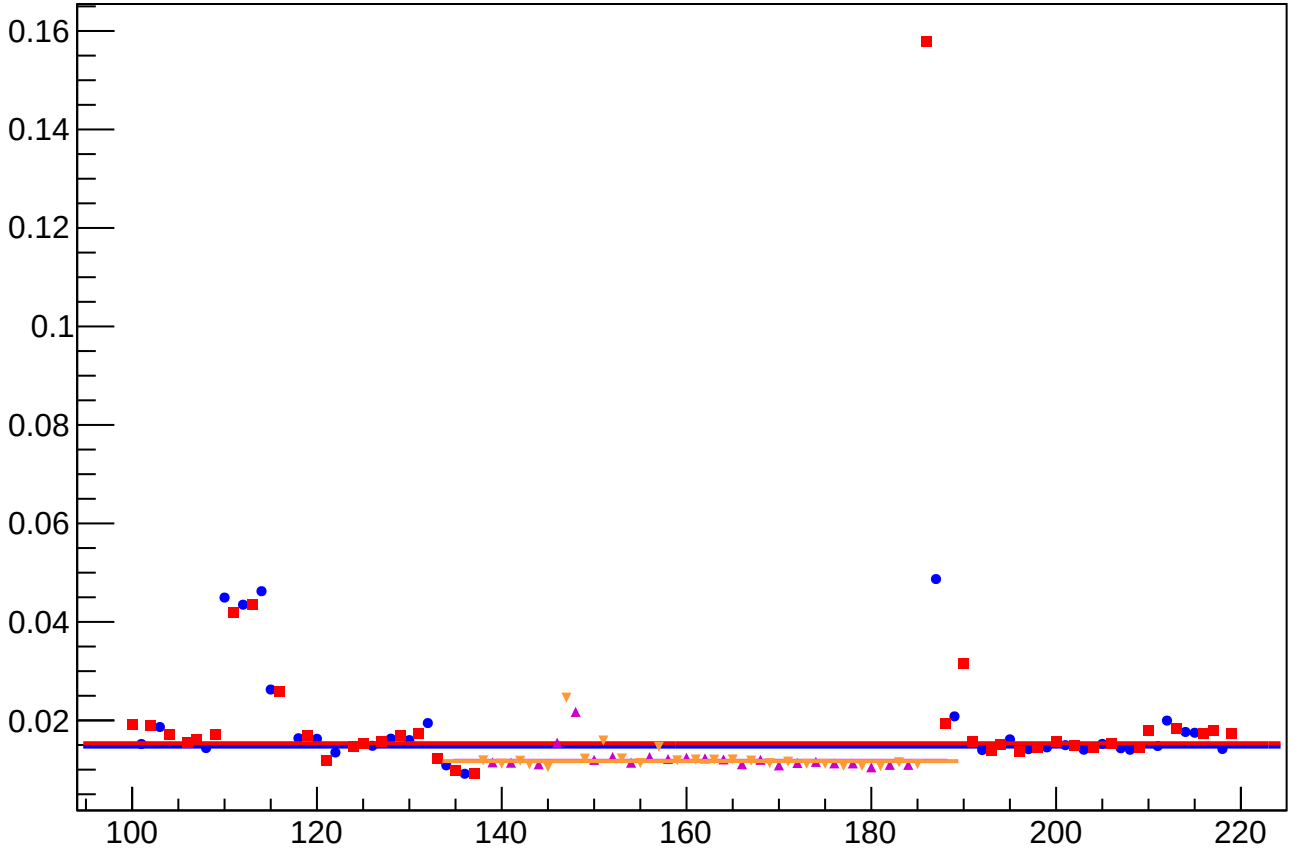
Right: 0.574+/-0.000 χ^2/NDF: 13649929402.3/68

In: 0.543+/-0.000 χ^2/NDF:6395113420.8/54

Out: 0.548+/-0.000 χ^2/NDF:7491239332.8/61

All: 0.546+/-0.000 χ^2/NDF: 13889447302.0/1

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 2198948.8/31

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2569878.3/36

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

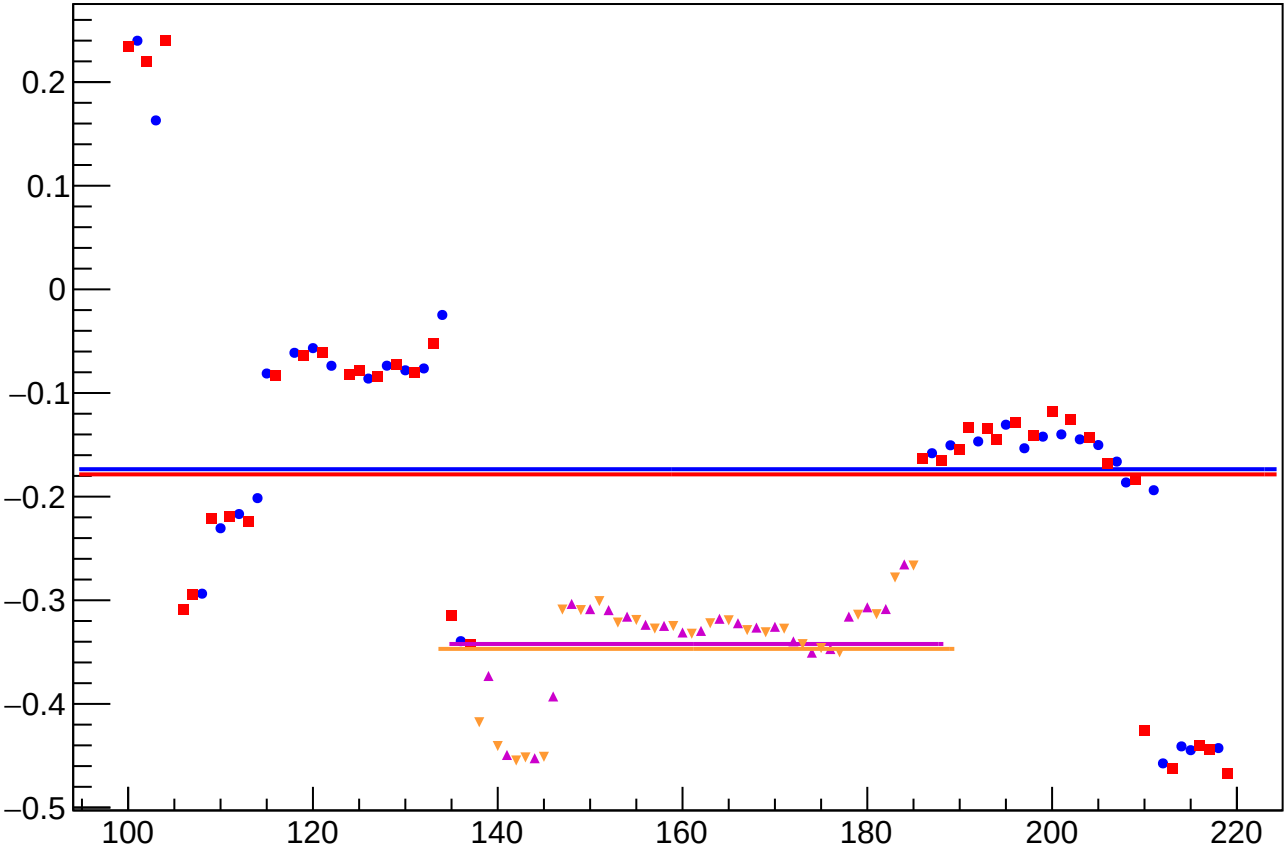
Right: 0.015+/-0.000 χ^2/NDF: 4807706.9/68

In: 0.013+/-0.000 χ^2/NDF:3559964.0/54

Out: 0.013+/-0.000 χ^2/NDF:4607360.6/61

All: 0.013+/-0.000 χ^2/NDF: 8172795.0/116

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.174+/-0.000 χ^2/NDF: 385865493.4/31

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.179+/-0.000 χ^2/NDF: 334157622.3/36

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

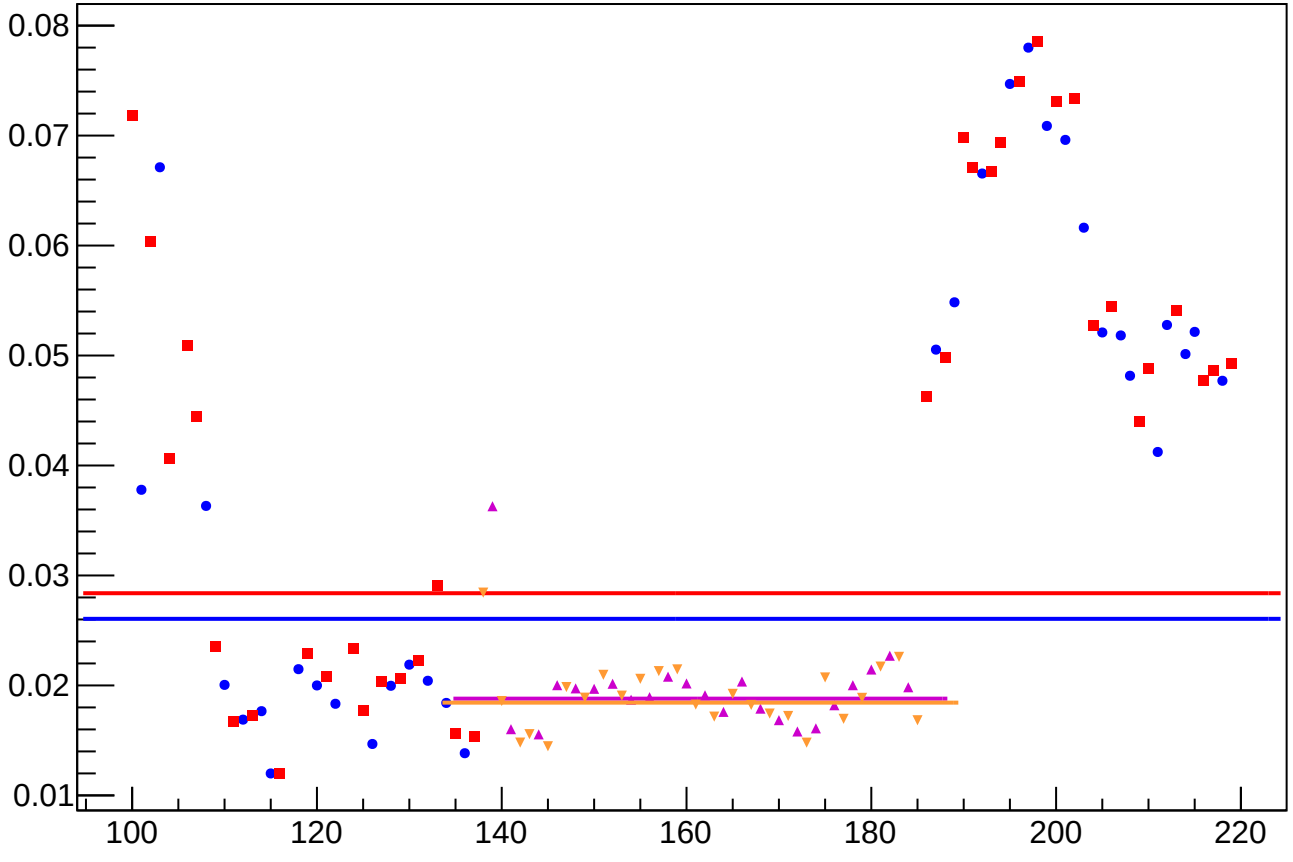
Right: -0.176+/-0.000 χ^2/NDF: 720258099.3/68

In: -0.289+/-0.000 χ^2/NDF:854166367.2/54

Out: -0.300+/-0.000 χ^2/NDF:829118188.1/61

All: -0.295+/-0.000 χ^2/NDF: 1686996419.8/1

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.026+/-0.000 χ^2/NDF: 10547032.7/31

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.028+/-0.000 χ^2/NDF: 10608582.8/36

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

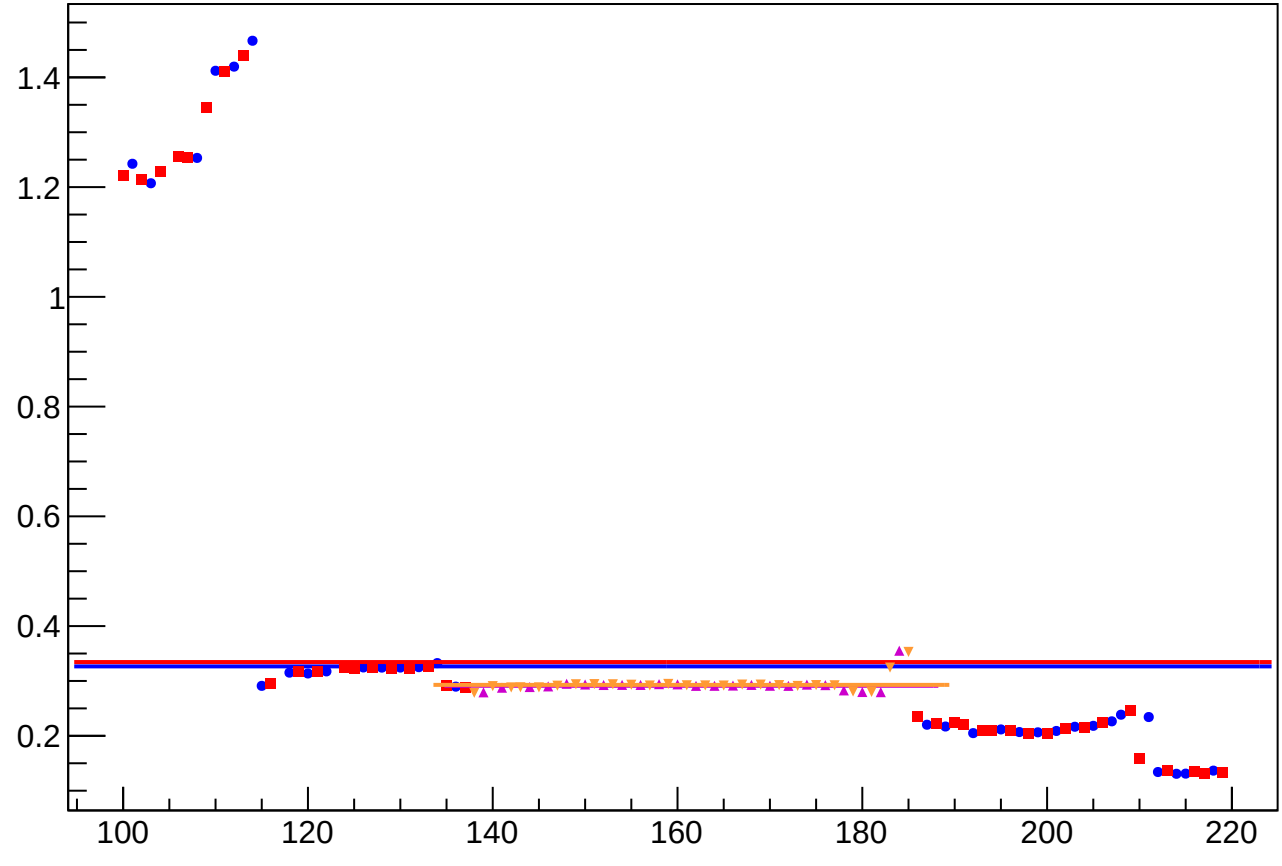
Right: 0.027+/-0.000 χ^2/NDF: 21257384.4/68

In: 0.021+/-0.000 χ^2/NDF:12673435.5/54

Out: 0.021+/-0.000 χ^2/NDF:13826067.6/61

All: 0.021+/-0.000 χ^2/NDF: 26500566.8/116

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.327+/-0.000 χ^2/NDF: 8955419368.5/31

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.334+/-0.000 χ^2/NDF: 9939991228.1/36

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

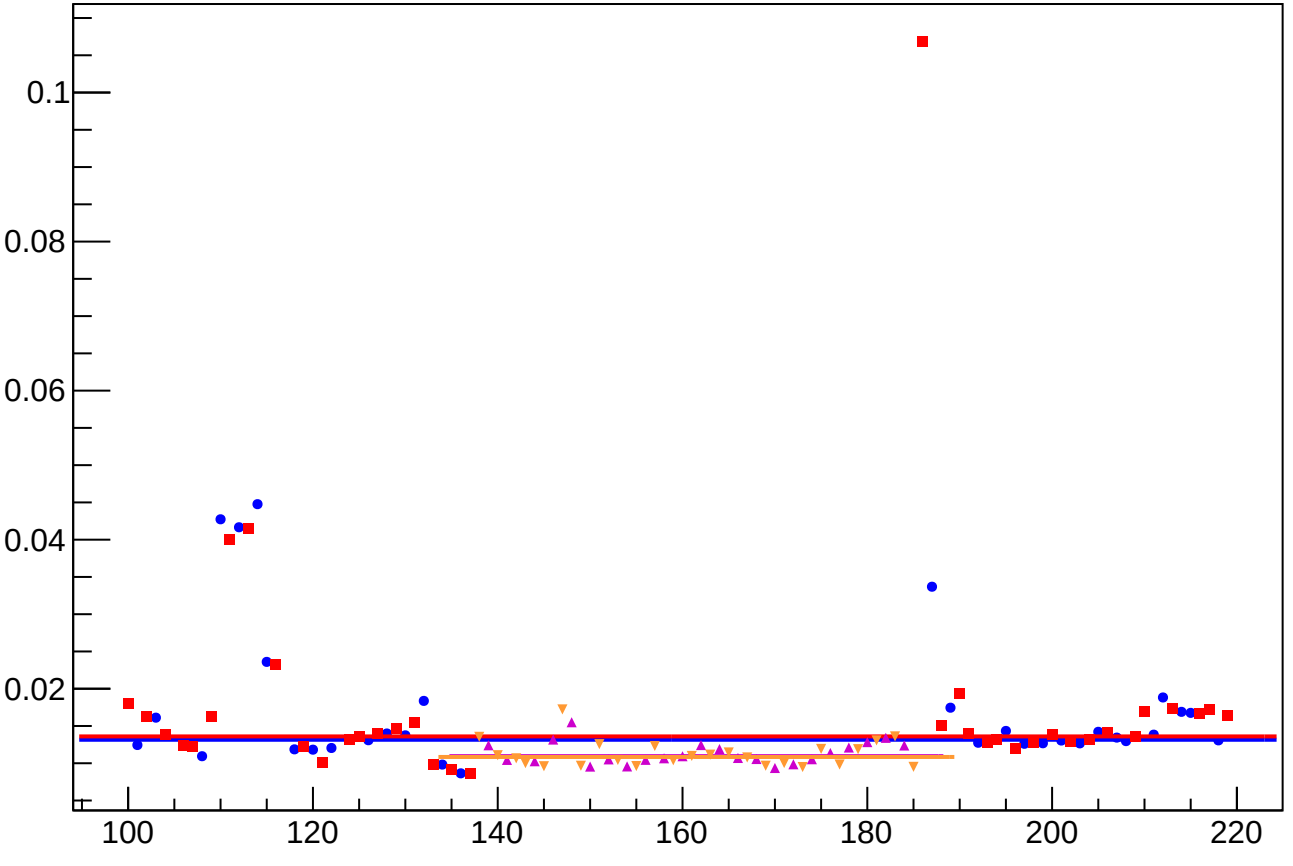
Right: 0.330+/-0.000 χ^2/NDF: 18898641568.1/68

In: 0.306+/-0.000 χ^2/NDF:9041467814.2/54

Out: 0.309+/-0.000 χ^2/NDF:10064672271.0/61

All: 0.308+/-0.000 χ^2/NDF: 19107638030.9/1

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2144867.9/31

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2553953.6/36

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

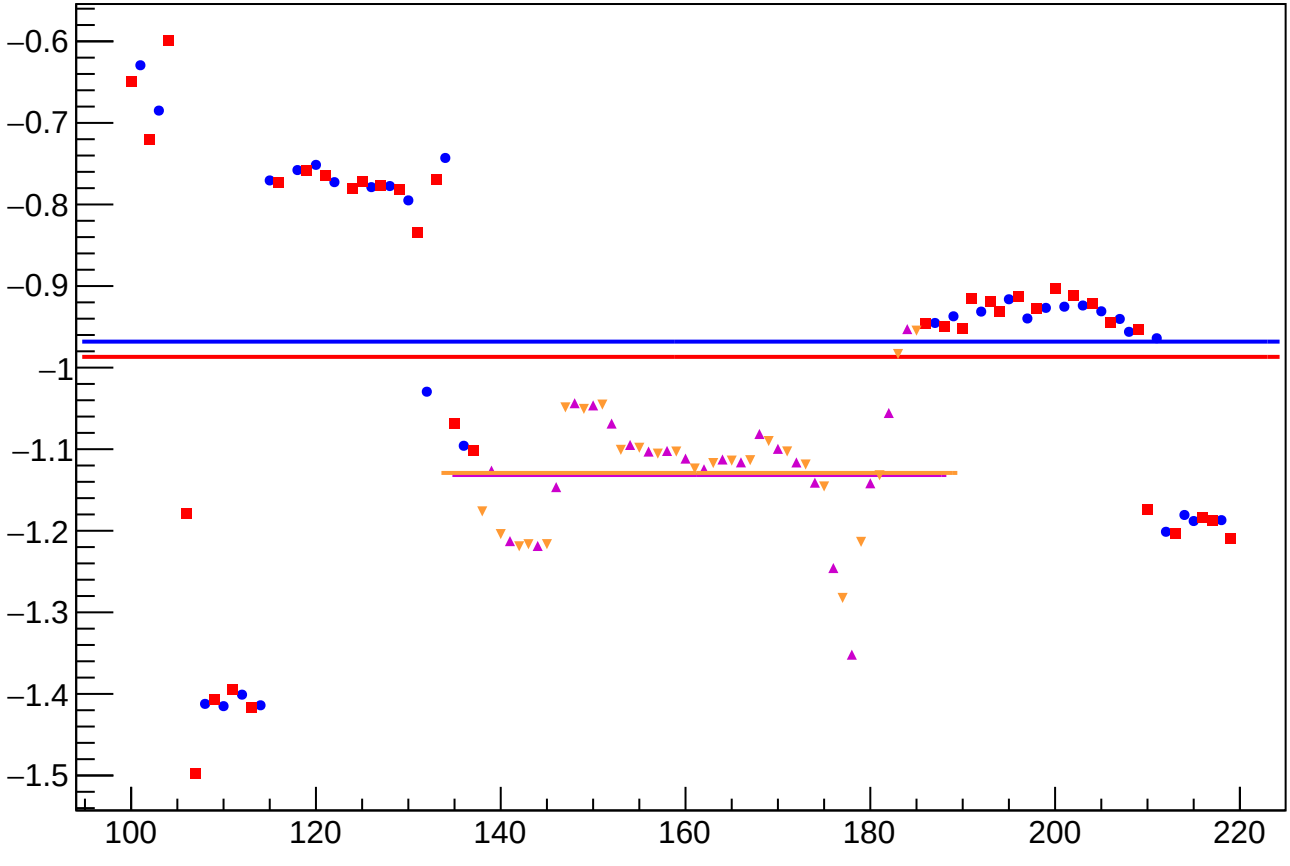
Right: 0.013+/-0.000 χ^2/NDF: 4719734.2/68

In: 0.012+/-0.000 χ^2/NDF:3240898.5/54

Out: 0.012+/-0.000 χ^2/NDF:4151481.1/61

All: 0.012+/-0.000 χ^2/NDF: 7393537.3/116

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.968+/-0.000 χ^2/NDF: 765171661.8/31

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.987+/-0.000 χ^2/NDF: 788909281.1/36

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

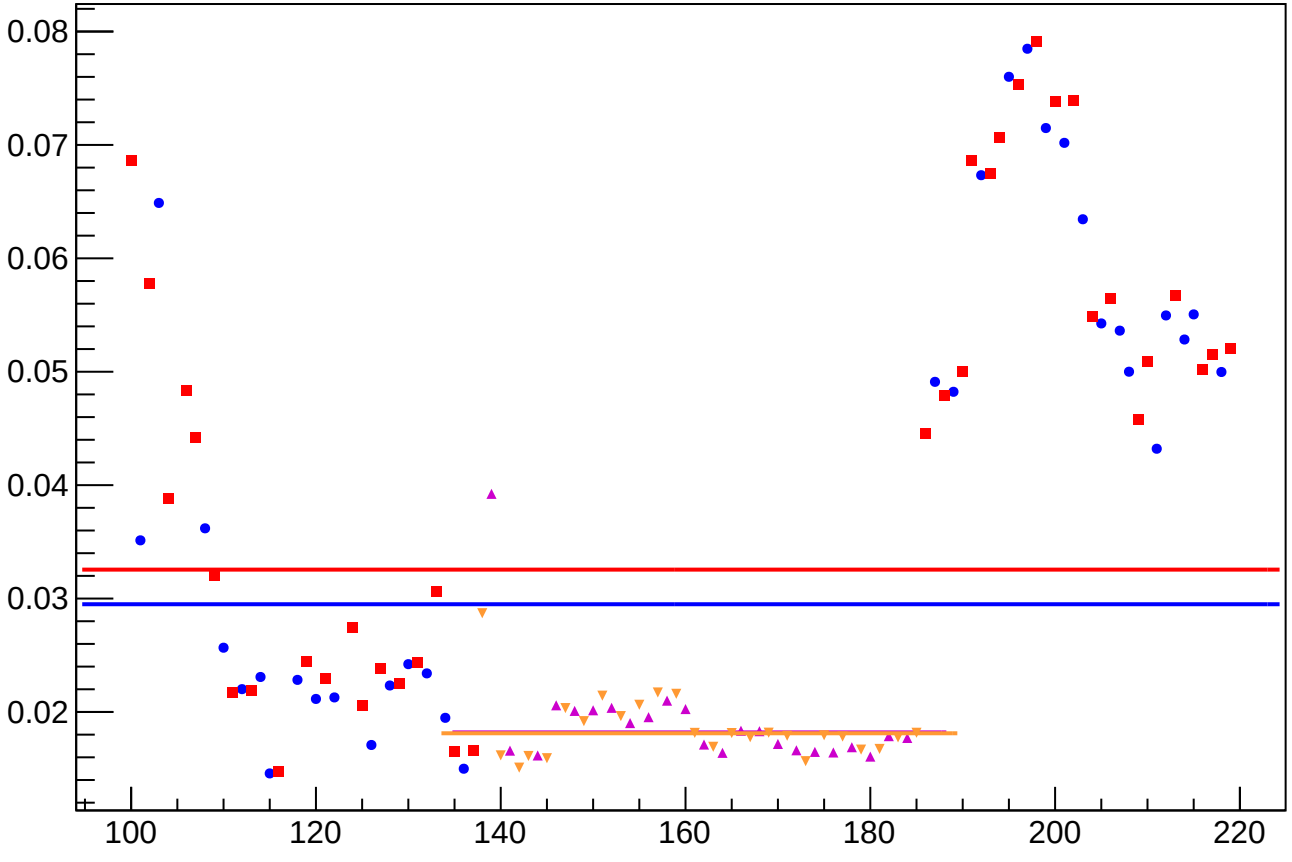
Right: -0.977+/-0.000 χ^2/NDF: 1556750262.0/68

In: -1.088+/-0.000 χ^2/NDF:1339897954.7/54

Out: -1.096+/-0.000 χ^2/NDF:1253493044.6/61

All: -1.092+/-0.000 χ^2/NDF: 2595051849.9/1

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 9123096.4/31

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.033+/-0.000 χ^2/NDF: 8666315.4/36

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

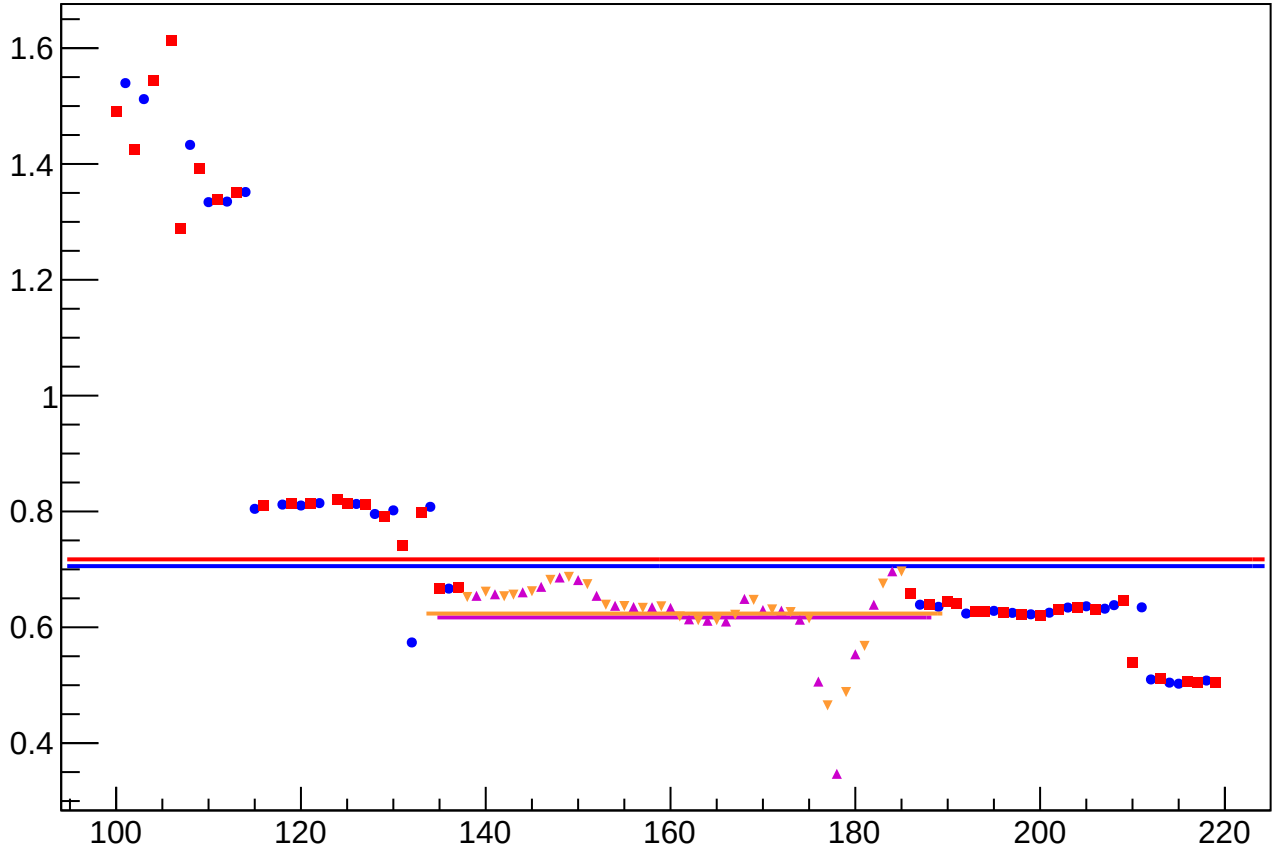
Right: 0.031+/-0.000 χ^2/NDF: 17931834.7/68

In: 0.021+/-0.000 χ^2/NDF:12851294.2/54

Out: 0.022+/-0.000 χ^2/NDF:13799784.4/61

All: 0.021+/-0.000 χ^2/NDF: 26657163.7/116

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.706+/-0.000 χ^2/NDF: 4447636704.0/31

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.717+/-0.000 χ^2/NDF: 4875816375.8/36

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

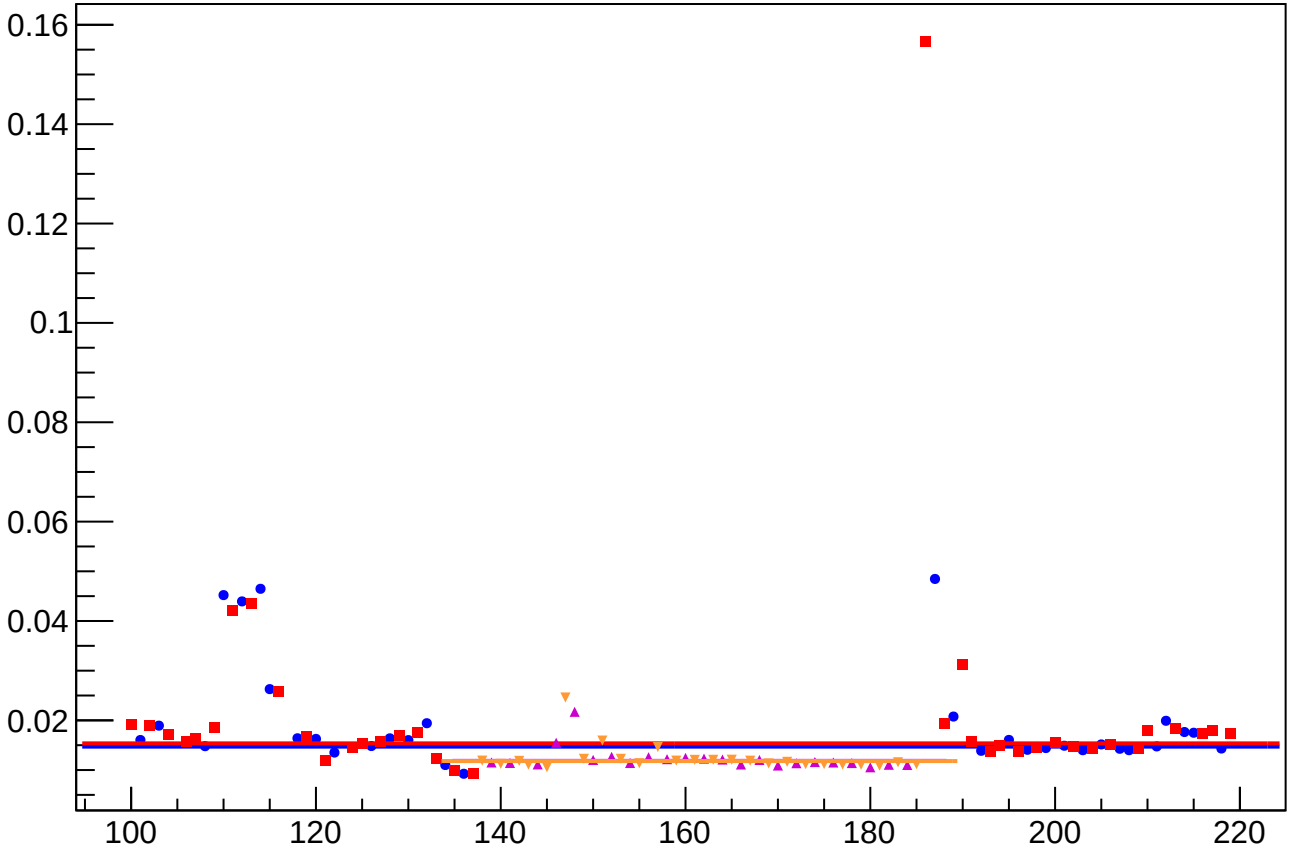
Right: 0.711+/-0.000 χ^2/NDF: 9329074265.9/68

In: 0.652+/-0.000 χ^2/NDF:5486102079.9/54

Out: 0.659+/-0.000 χ^2/NDF:5717343800.0/61

All: 0.656+/-0.000 χ^2/NDF: 11208340651.0/1

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 2176745.0/31

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2575789.7/36

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

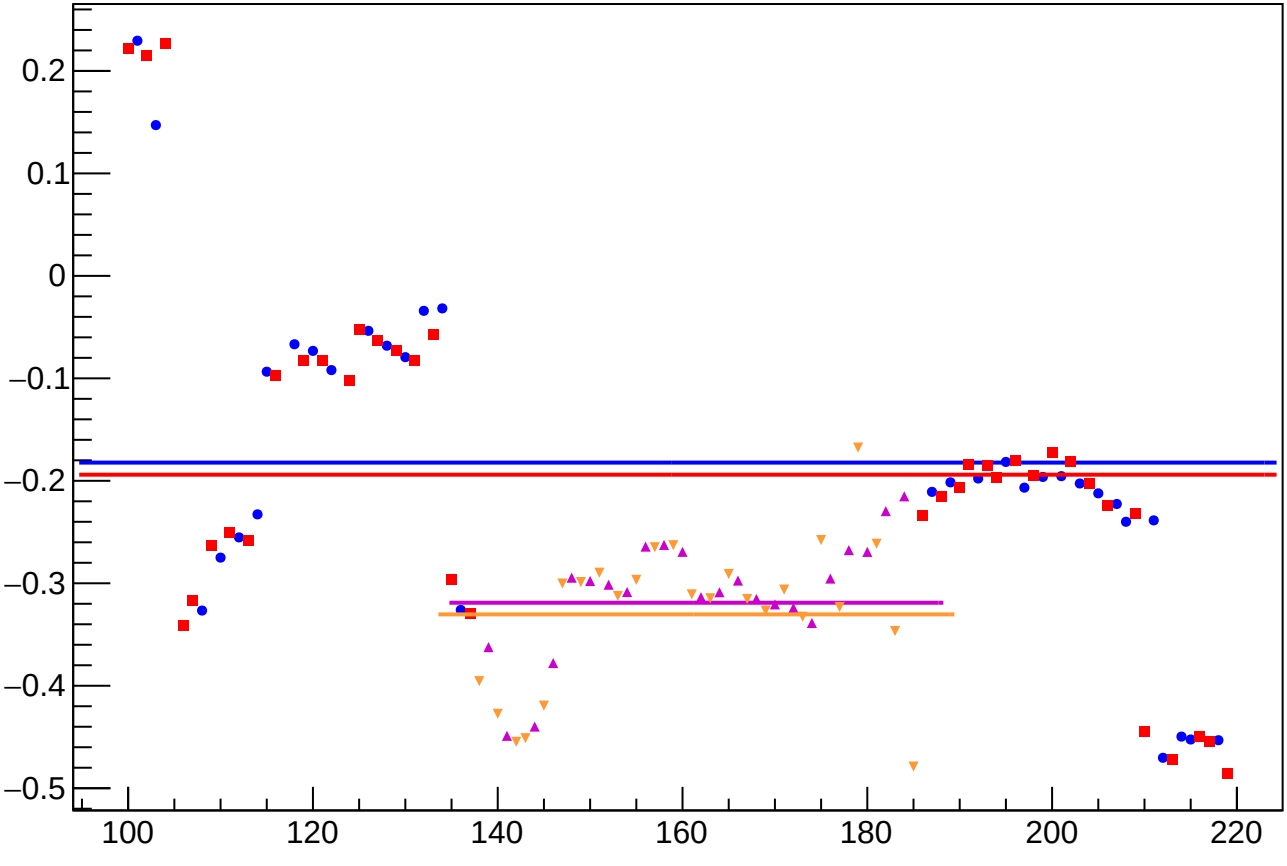
Right: 0.015+/-0.000 χ^2/NDF: 4787689.6/68

In: 0.013+/-0.000 χ^2/NDF:3509130.5/54

Out: 0.013+/-0.000 χ^2/NDF:4527166.3/61

All: 0.013+/-0.000 χ^2/NDF: 8042191.2/116

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.182+/-0.000 χ^2/NDF: 389718628.1/31

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.194+/-0.000 χ^2/NDF: 330073201.4/36

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

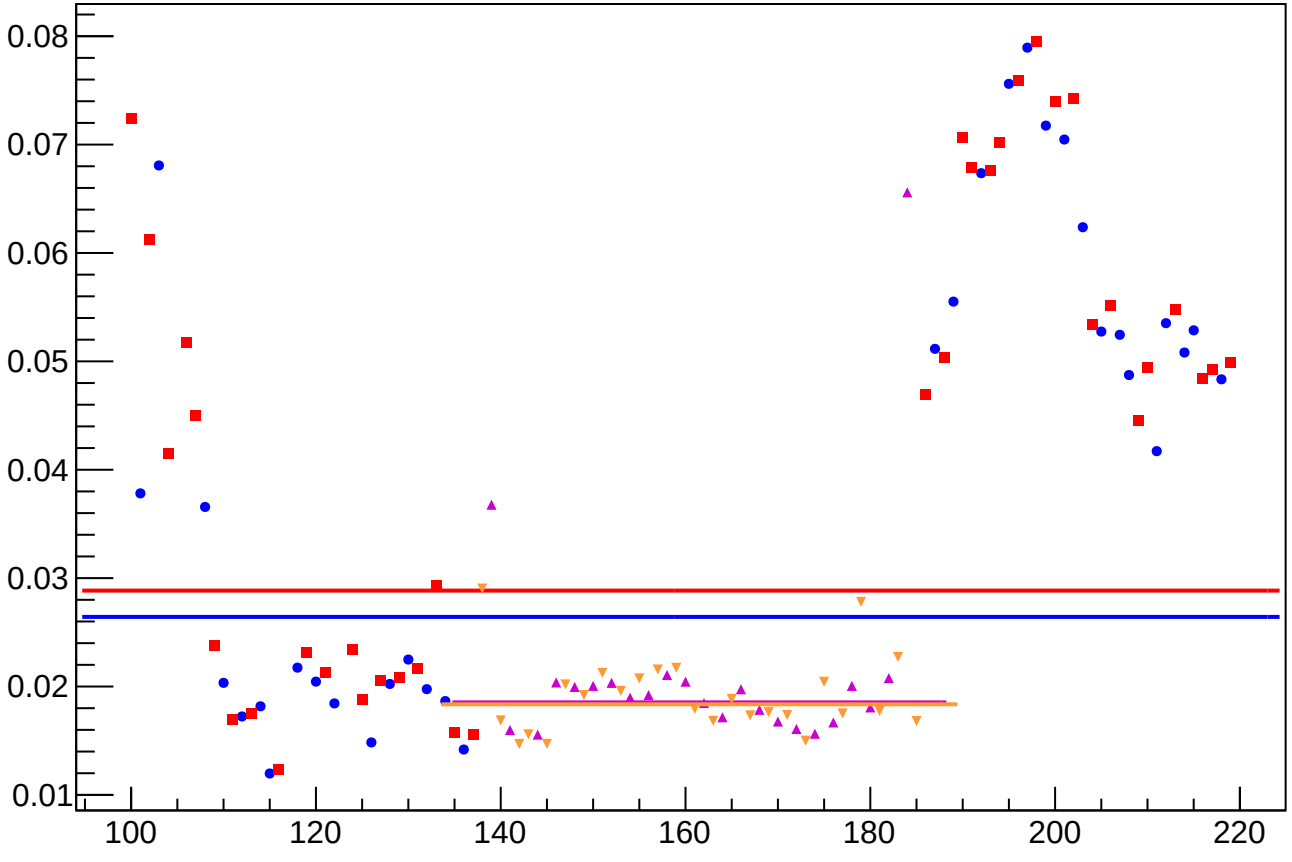
Right: -0.188+/-0.000 χ^2/NDF: 721060838.5/68

In: -0.277+/-0.000 χ^2/NDF:765502971.3/54

Out: -0.293+/-0.000 χ^2/NDF:747961265.4/61

All: -0.285+/-0.000 χ^2/NDF: 1521335581.1/1

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.026+/-0.000 χ^2/NDF: 10505119.5/31

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.029+/-0.000 χ^2/NDF: 10541708.7/36

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

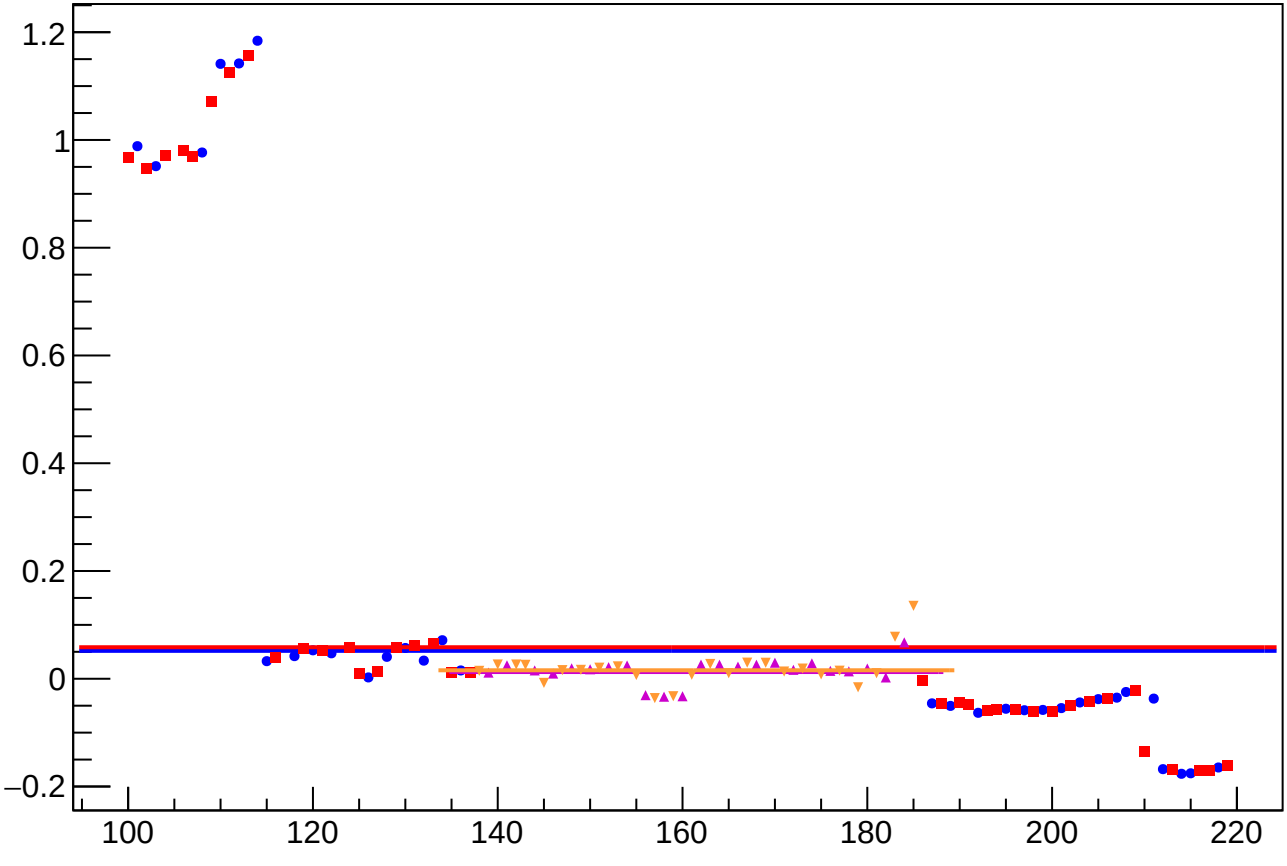
Right: 0.028+/-0.000 χ^2/NDF: 21154110.9/68

In: 0.021+/-0.000 χ^2/NDF:13069307.2/54

Out: 0.021+/-0.000 χ^2/NDF:14063901.6/61

All: 0.021+/-0.000 χ^2/NDF: 27138442.8/116

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 9208373974.7/31

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.058+/-0.000 χ^2/NDF: 9999885410.4/36

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

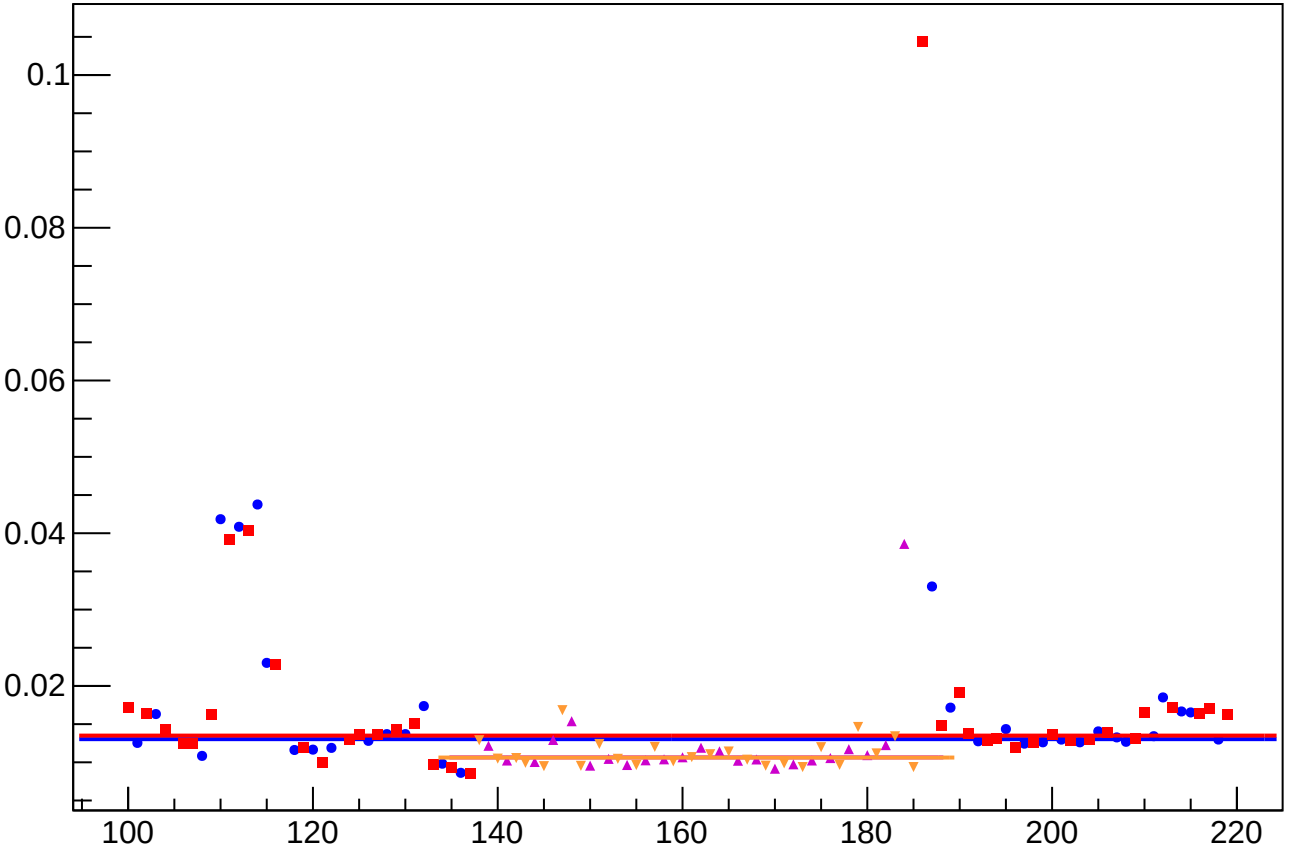
Right: 0.055+/-0.000 χ^2/NDF: 19210616040.2/68

In: 0.029+/-0.000 χ^2/NDF:9363258536.0/54

Out: 0.033+/-0.000 χ^2/NDF:10219701161.8/61

All: 0.031+/-0.000 χ^2/NDF: 19585040980.5/1

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2090820.6/31

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2473058.8/36

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

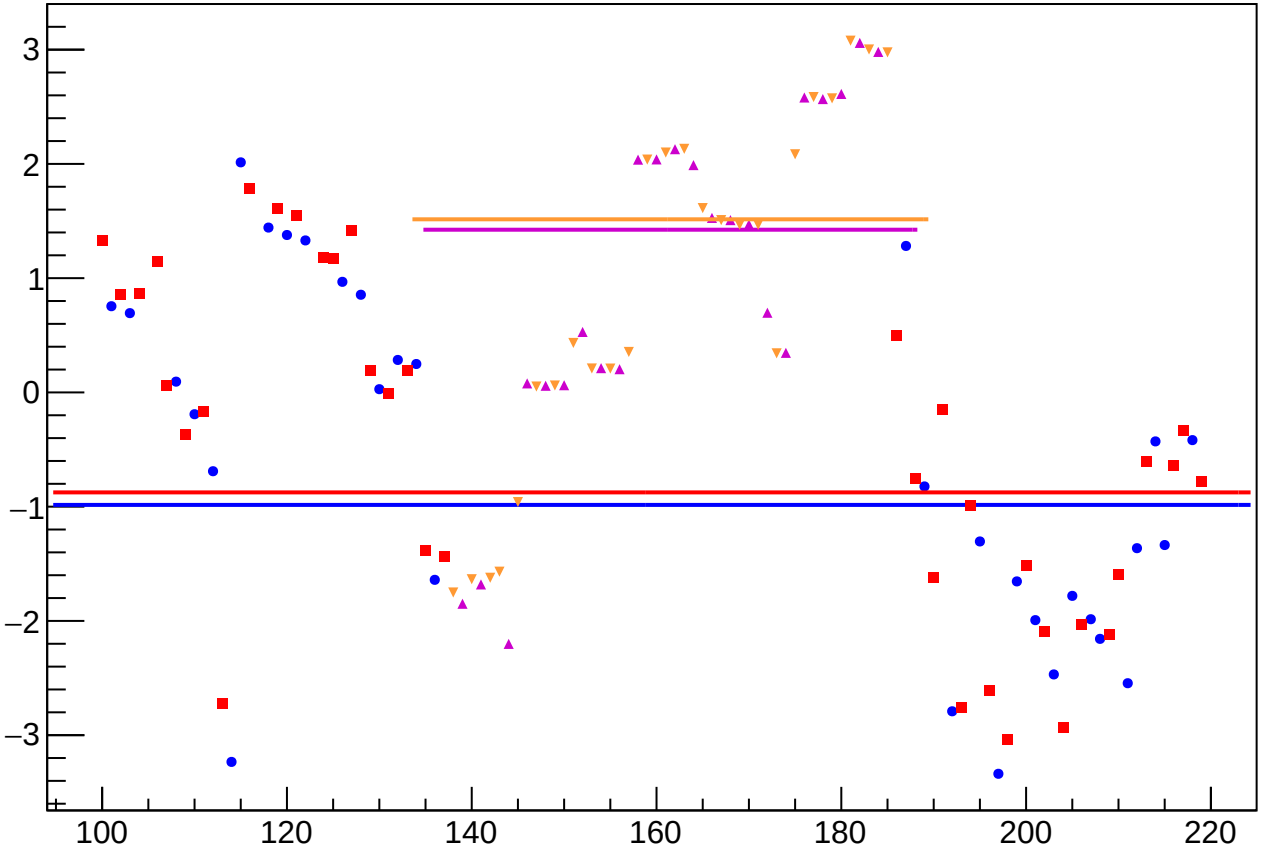
Right: 0.013+/-0.000 χ^2/NDF: 4586745.4/68

In: 0.012+/-0.000 χ^2/NDF:3373317.5/54

Out: 0.012+/-0.000 χ^2/NDF:4137675.3/61

All: 0.012+/-0.000 χ^2/NDF: 7515840.0/116

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -0.985+/-0.000 χ^2/NDF: 9810269792.2/31

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.875+/-0.000 χ^2/NDF: 9783284955.3/36

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

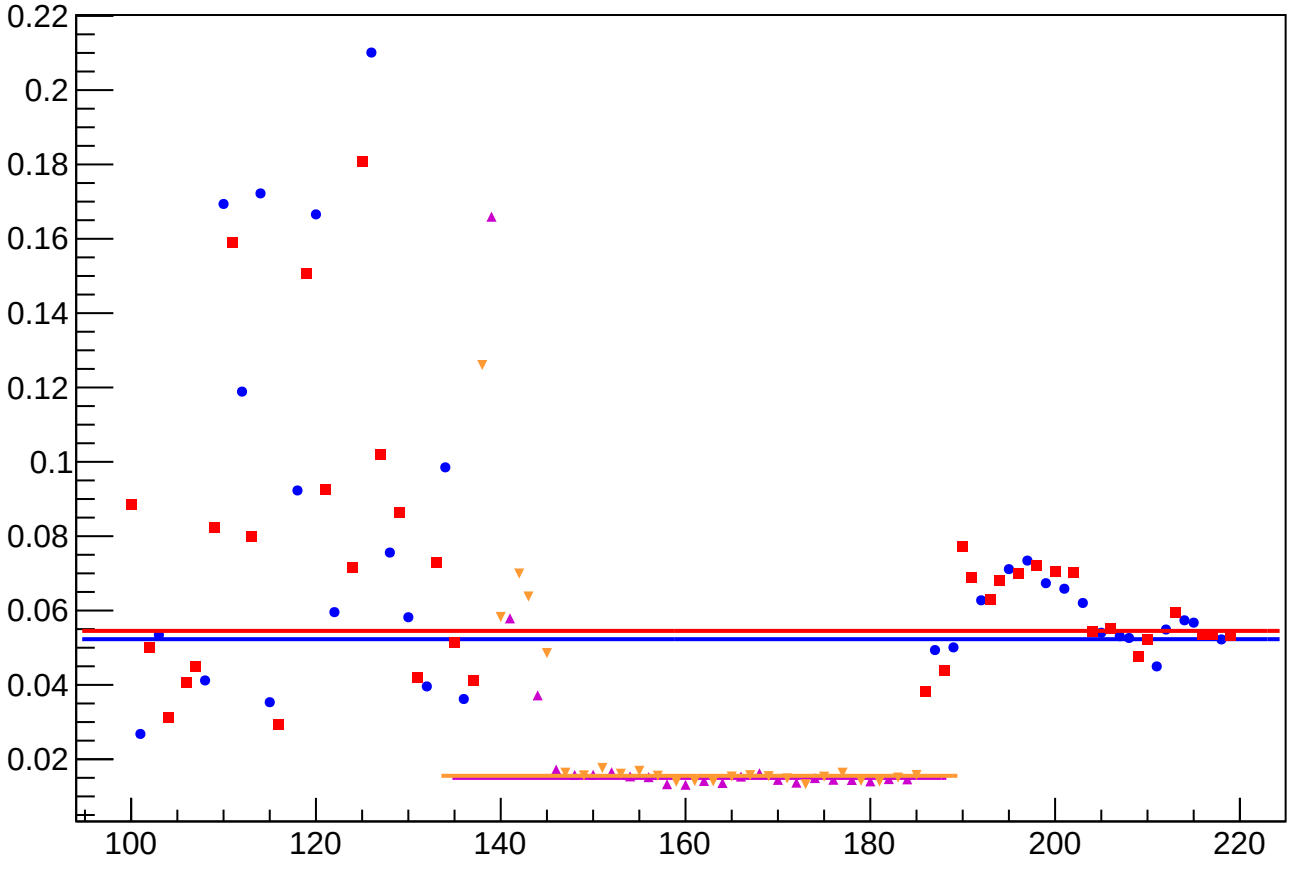
Right: -0.929+/-0.000 χ^2/NDF: 19628167444.5/68

In: 1.221+/-0.000 χ^2/NDF:108253470608.8/54

Out: 1.306+/-0.000 χ^2/NDF:107867437243.7/61

All: 1.263+/-0.000 χ^2/NDF: 216364354106.3

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 3622280.1/31

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.055+/-0.000 χ^2/NDF: 3198296.6/36

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

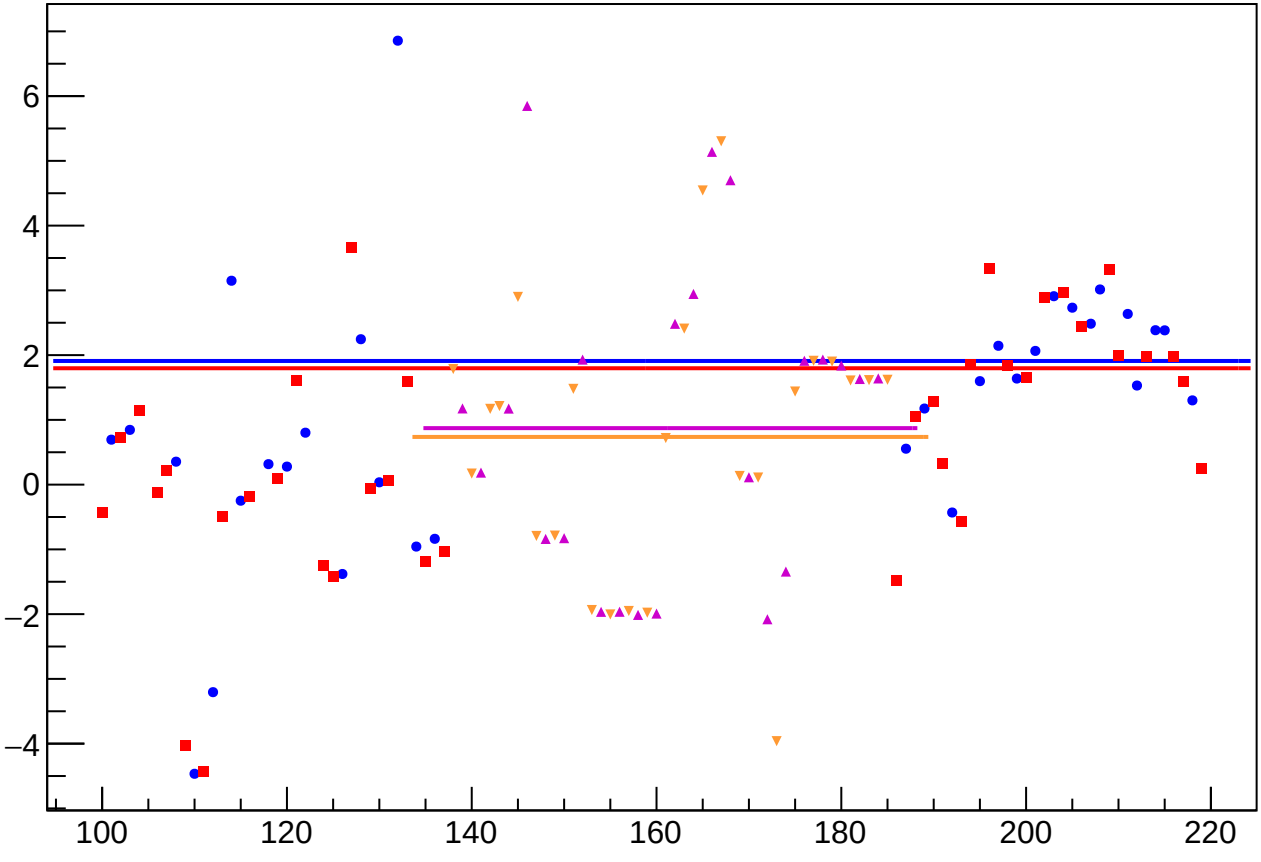
Right: 0.053+/-0.000 χ^2/NDF: 6849262.4/68

In: 0.018+/-0.000 χ^2/NDF:20398866.4/54

Out: 0.019+/-0.000 χ^2/NDF:22296407.6/61

All: 0.019+/-0.000 χ^2/NDF: 42741736.8/116

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.910+/-0.000 χ^2/NDF: 42510993987.0/31

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.797+/-0.000 χ^2/NDF: 50583778500.3/36

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

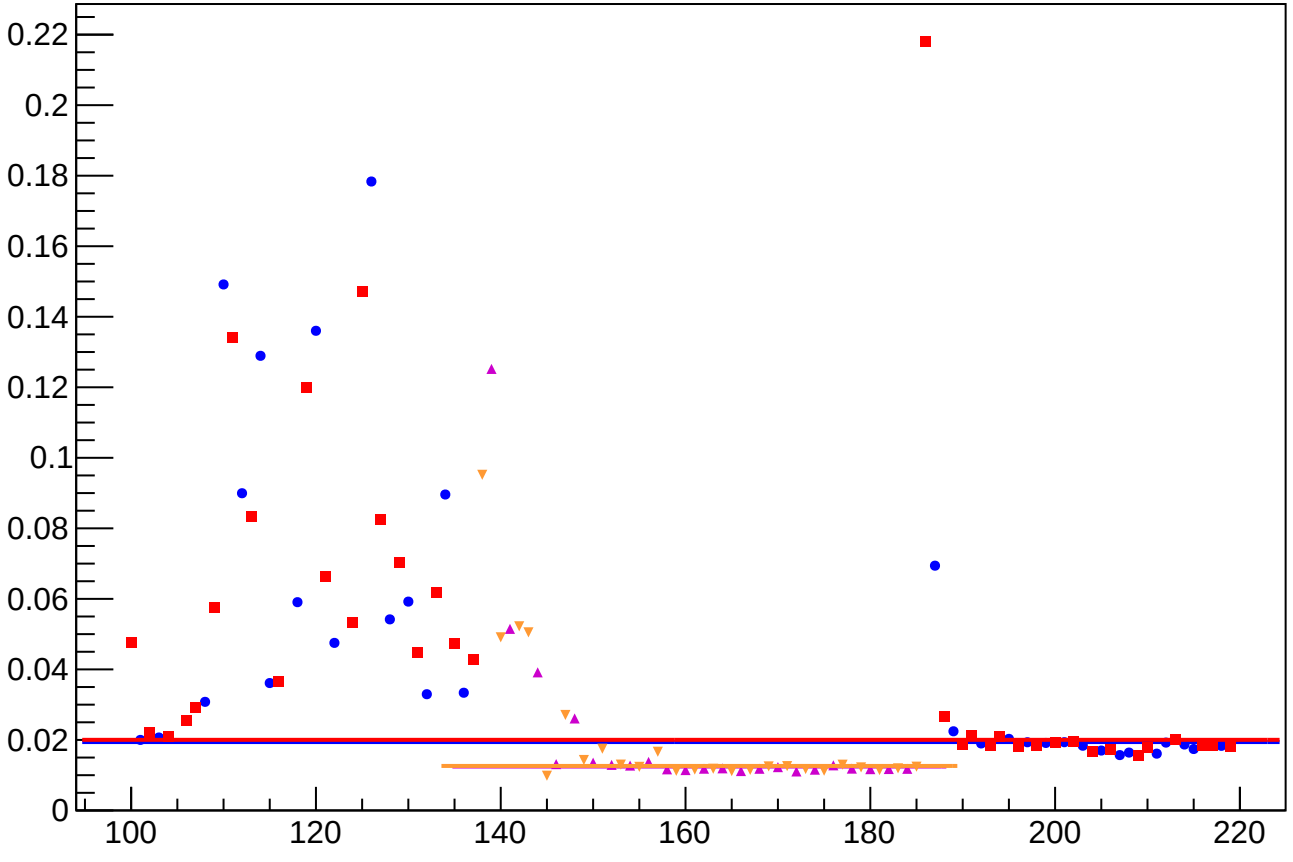
Right: 1.853+/-0.000 χ^2/NDF: 93336218995.0/68

In: 1.159+/-0.000 χ^2/NDF:692169639854.5/54

Out: 1.032+/-0.000 χ^2/NDF:617621775056.1/61

All: 1.095+/-0.000 χ^2/NDF: 1310909784848.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 4506794.5/31

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.020+/-0.000 χ^2/NDF: 5573107.1/36

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

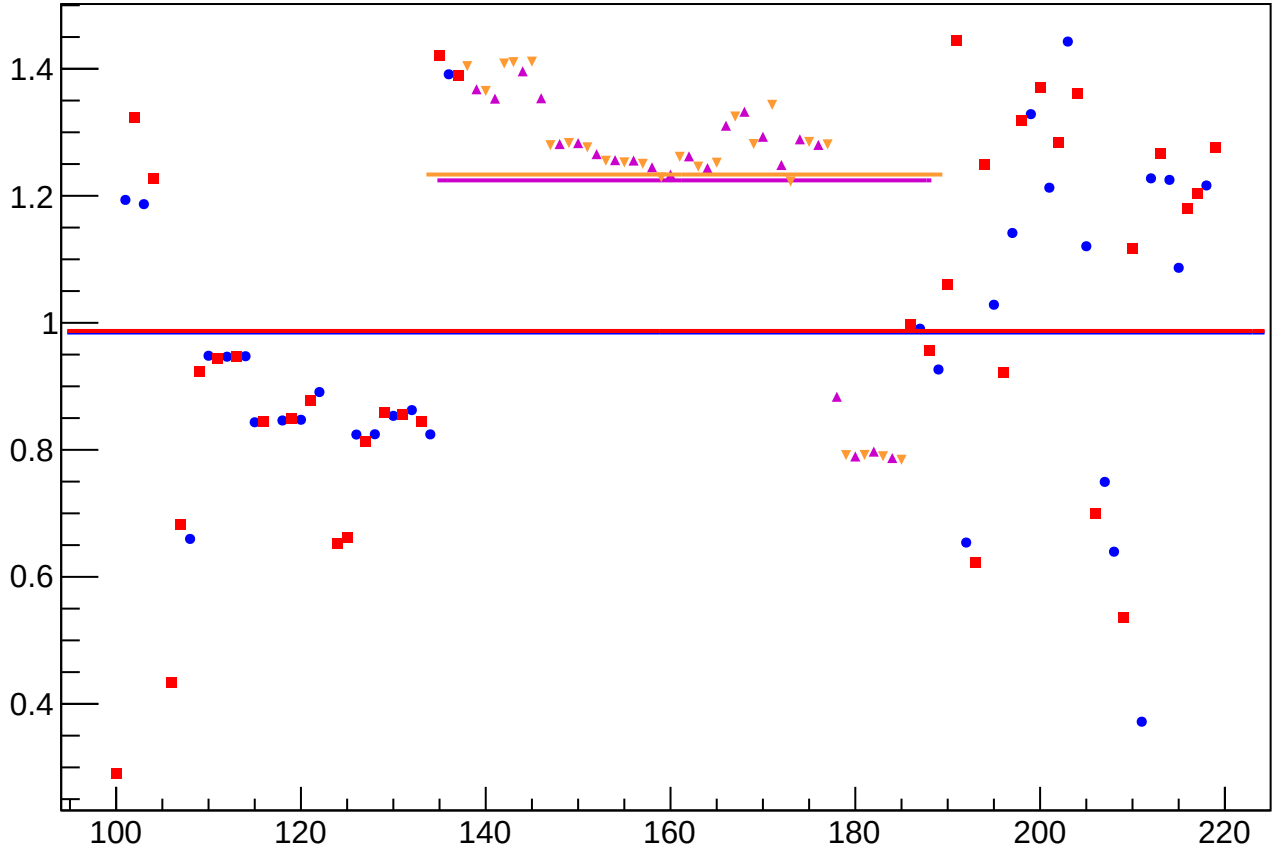
Right: 0.020+/-0.000 χ^2/NDF: 10095004.6/68

In: 0.014+/-0.000 χ^2/NDF:9903448.3/54

Out: 0.015+/-0.000 χ^2/NDF:11792437.6/61

All: 0.015+/-0.000 χ^2/NDF: 21708797.8/116

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.985+/-0.000 χ^2/NDF: 2351107392.3/31

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.987+/-0.000 χ^2/NDF: 2701874246.4/36

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

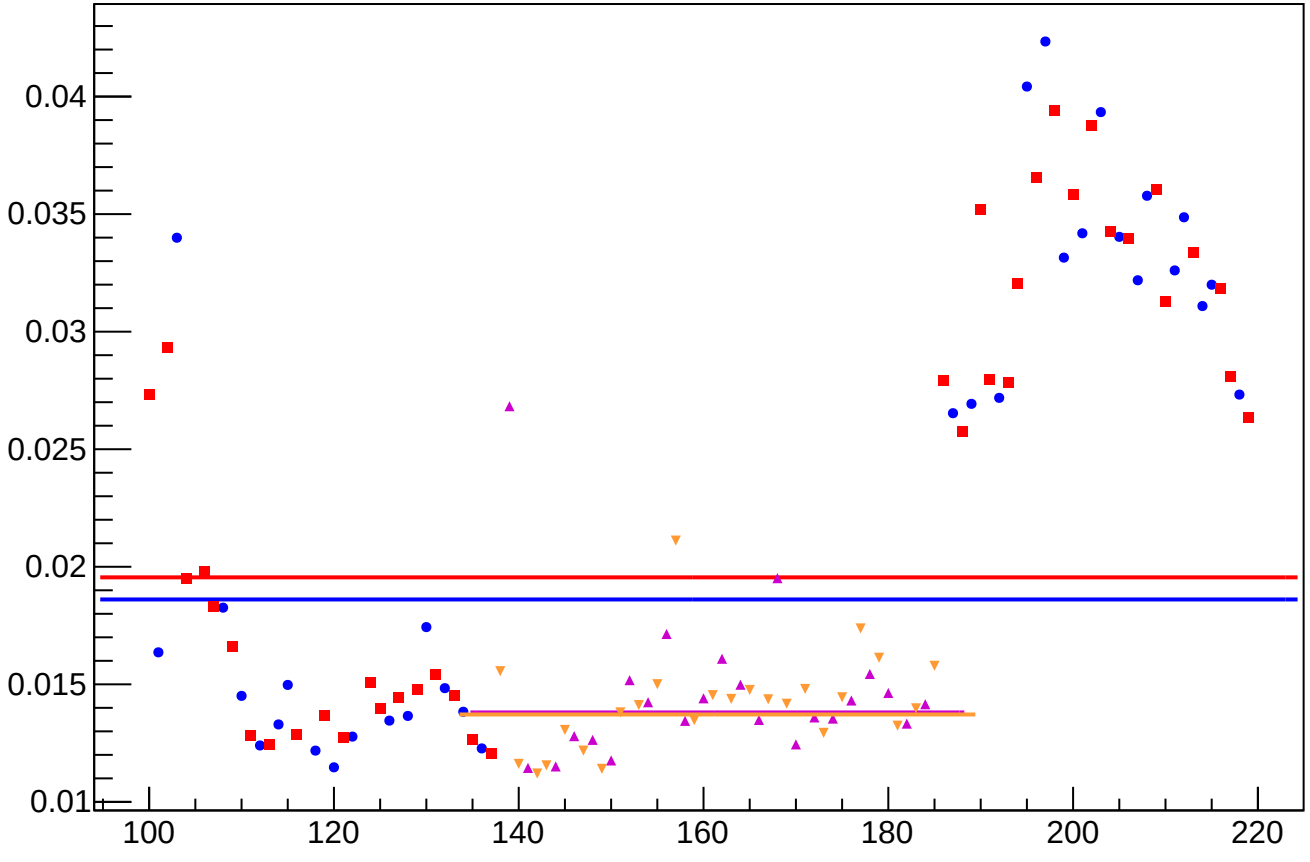
Right: 0.986+/-0.000 χ^2/NDF: 5053113090.8/68

In: 1.143+/-0.000 χ^2/NDF:6660306356.5/54

Out: 1.153+/-0.000 χ^2/NDF:7528177397.3/61

All: 1.148+/-0.000 χ^2/NDF: 14195111490.5/1

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 6682613.4/31

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.020+/-0.000 χ^2/NDF: 6214082.7/36

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

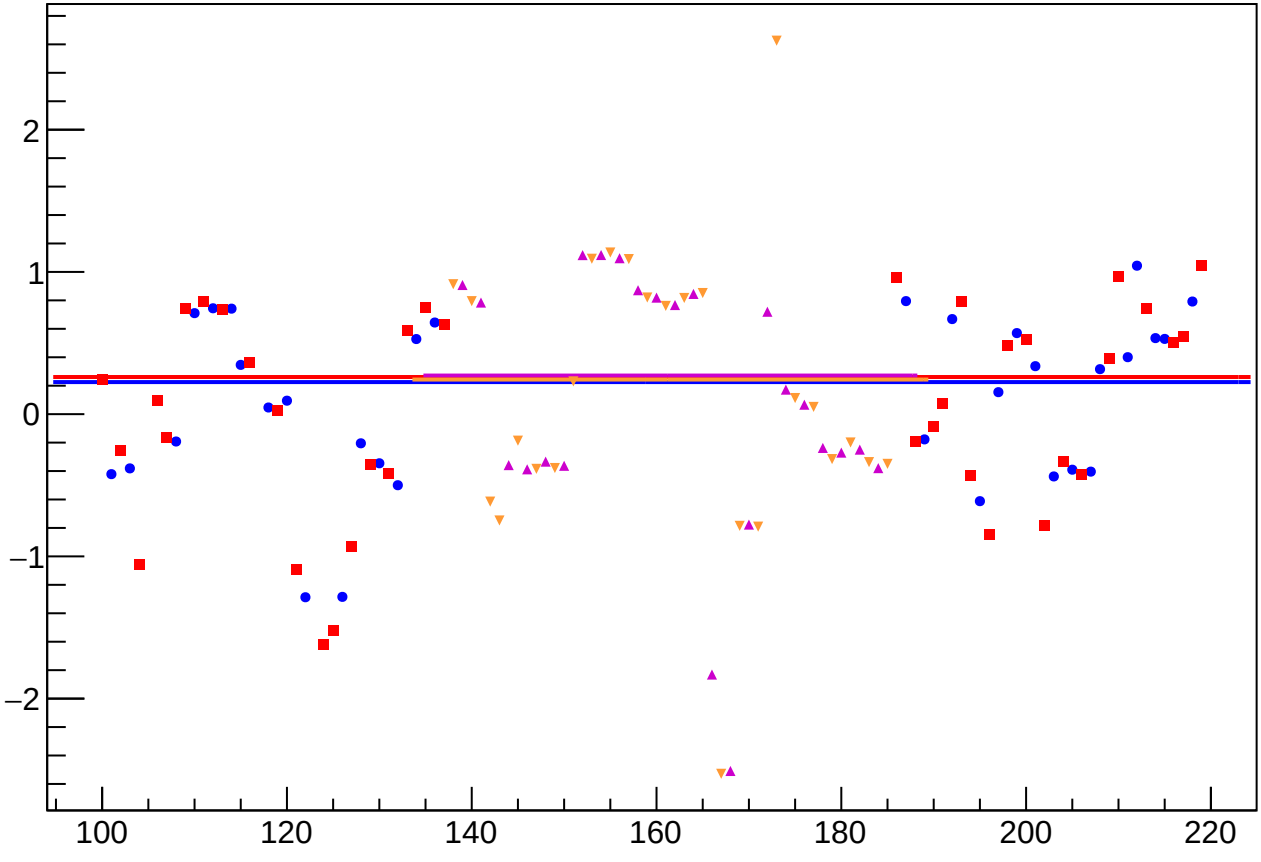
Right: 0.019+/-0.000 χ^2/NDF: 12935194.7/68

In: 0.015+/-0.000 χ^2/NDF:8885006.5/54

Out: 0.016+/-0.000 χ^2/NDF:8763138.5/61

All: 0.016+/-0.000 χ^2/NDF: 17652729.5/116

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.225+/-0.000 χ^2/NDF: 38577038706.8/31

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.261+/-0.000 χ^2/NDF: 57294639326.5/36

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

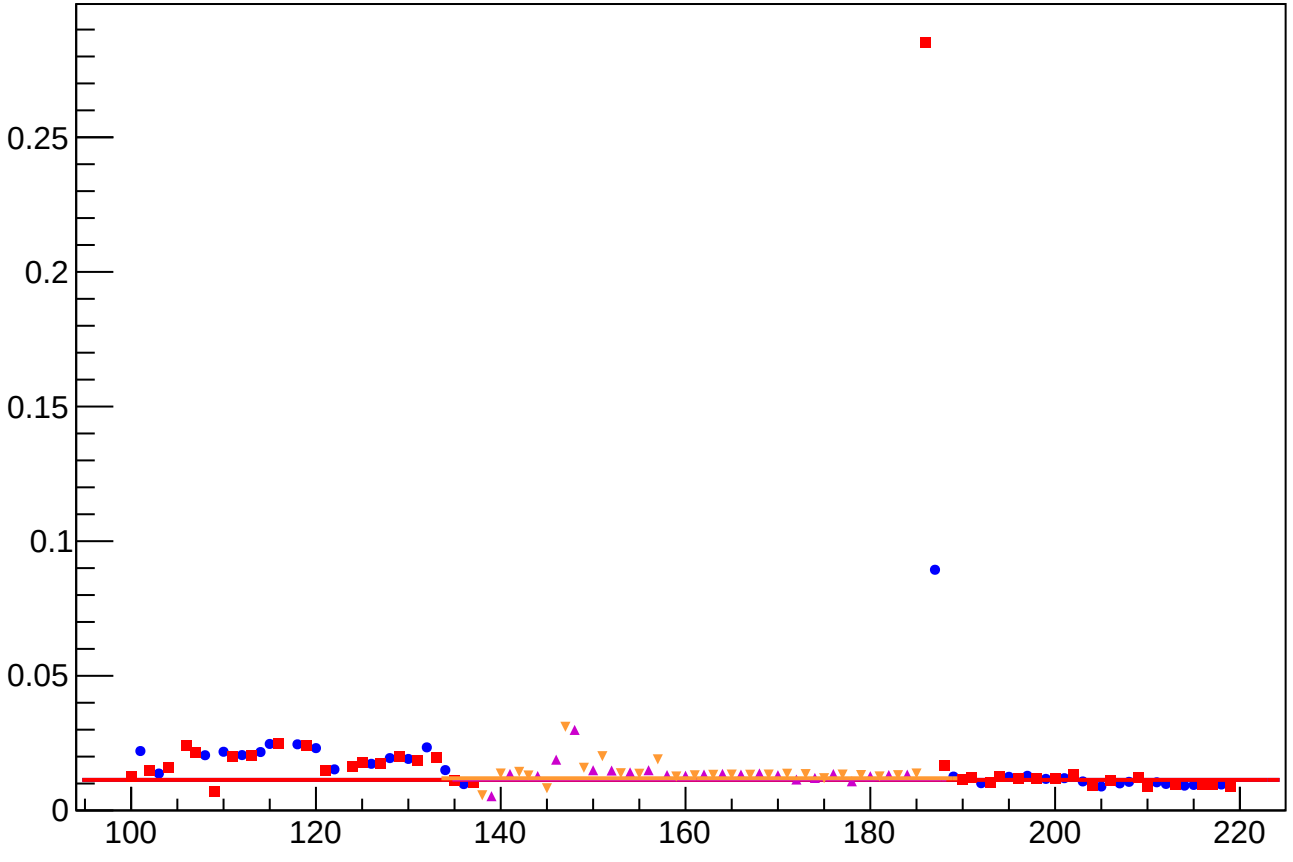
Right: 0.244+/-0.000 χ^2/NDF: 95955927848.0/68

In: 0.247+/-0.000 χ^2/NDF:129208118695.6/54

Out: 0.253+/-0.000 χ^2/NDF:162906420430.1/61

All: 0.250+/-0.000 χ^2/NDF: 292118299436.3

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 2898518.6/31

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 3507458.9/36

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

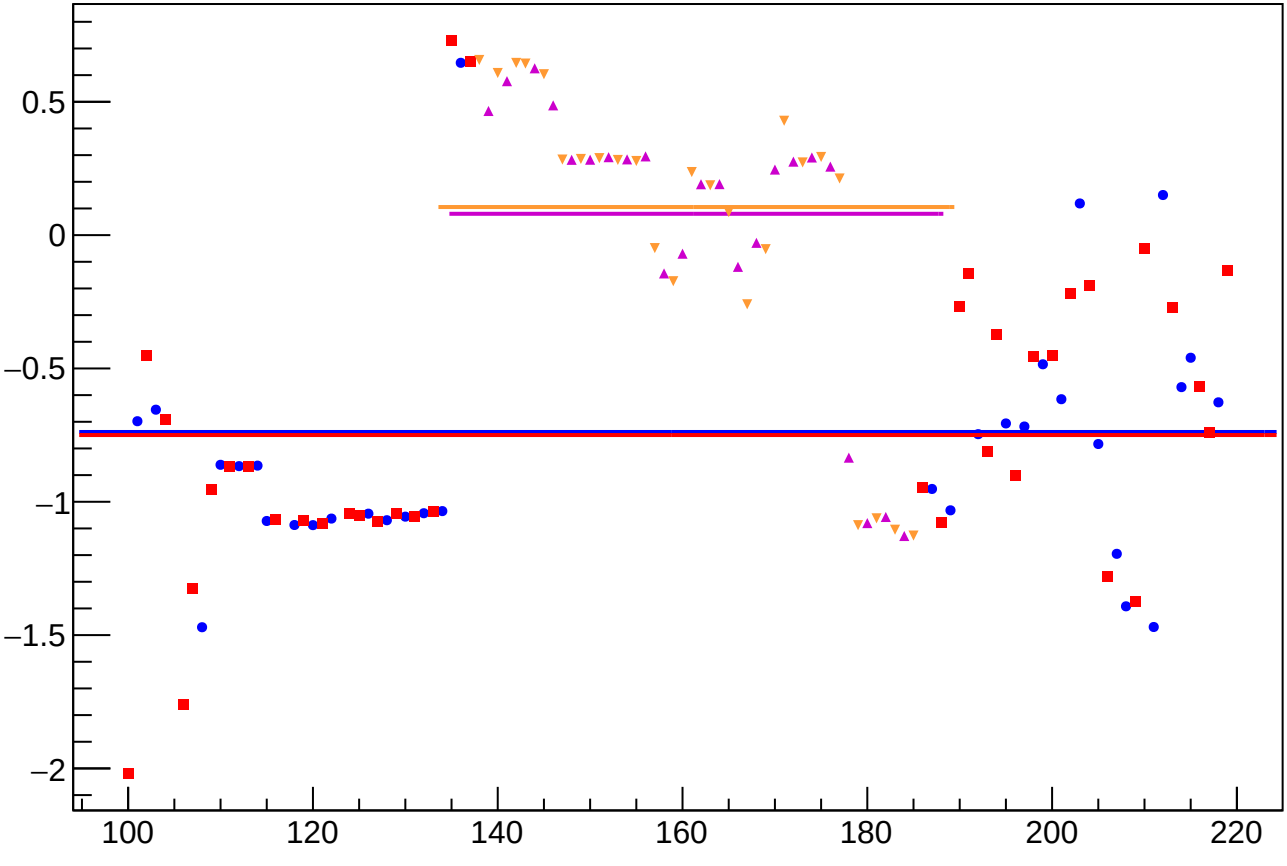
Right: 0.011+/-0.000 χ^2/NDF: 6405979.2/68

In: 0.011+/-0.000 χ^2/NDF:6572133.6/54

Out: 0.012+/-0.000 χ^2/NDF:6819018.5/61

All: 0.012+/-0.000 χ^2/NDF: 13402604.6/116

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2408855210.1/31

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.750+/-0.000 χ^2/NDF: 2311037624.5/36

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

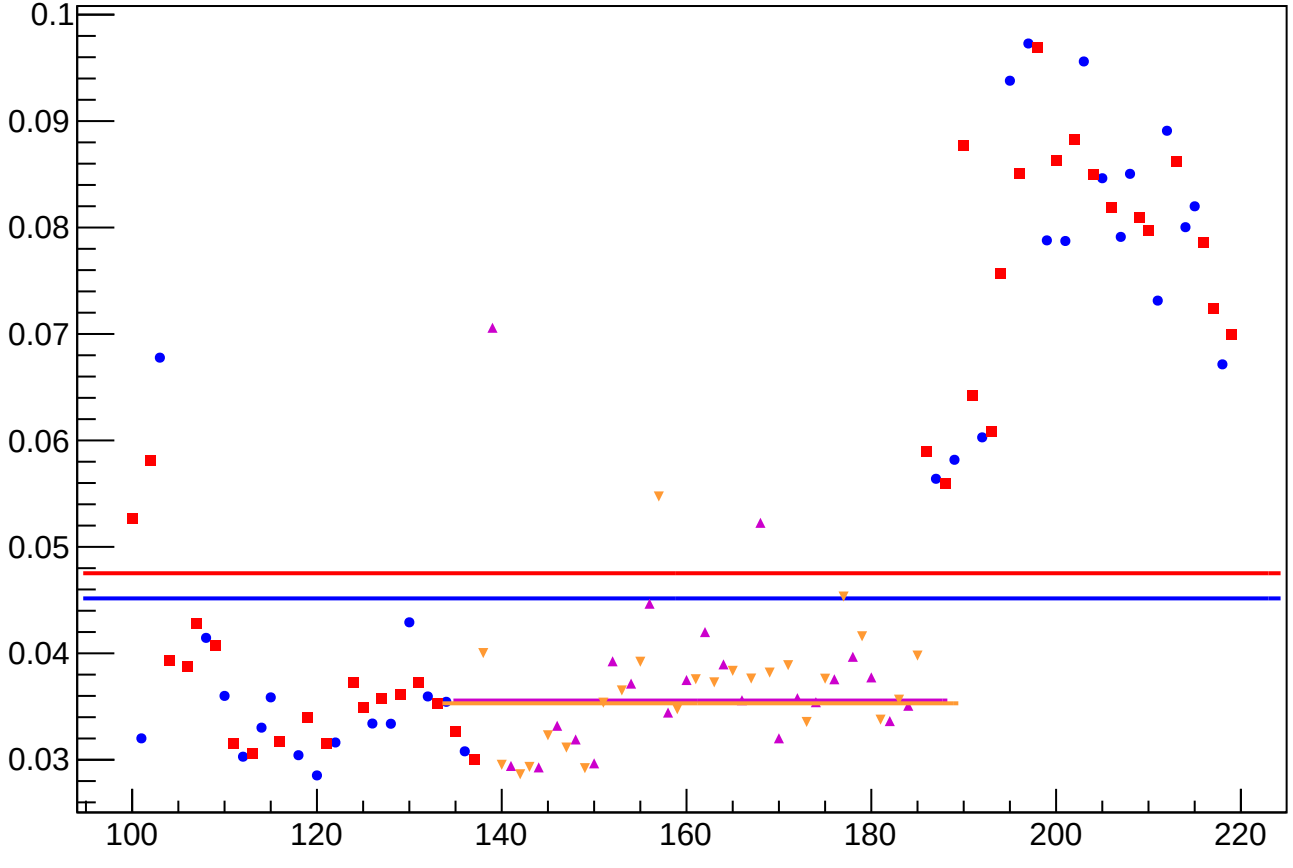
Right: -0.744+/-0.000 χ^2/NDF: 4720386896.2/68

In: -0.226+/-0.000 χ^2/NDF:8861493962.7/54

Out: -0.200+/-0.000 χ^2/NDF:9620668265.2/61

All: -0.213+/-0.000 χ^2/NDF: 18489050297.2/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF: 6457622.7/31

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.048+/-0.000 χ^2/NDF: 5872152.5/36

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

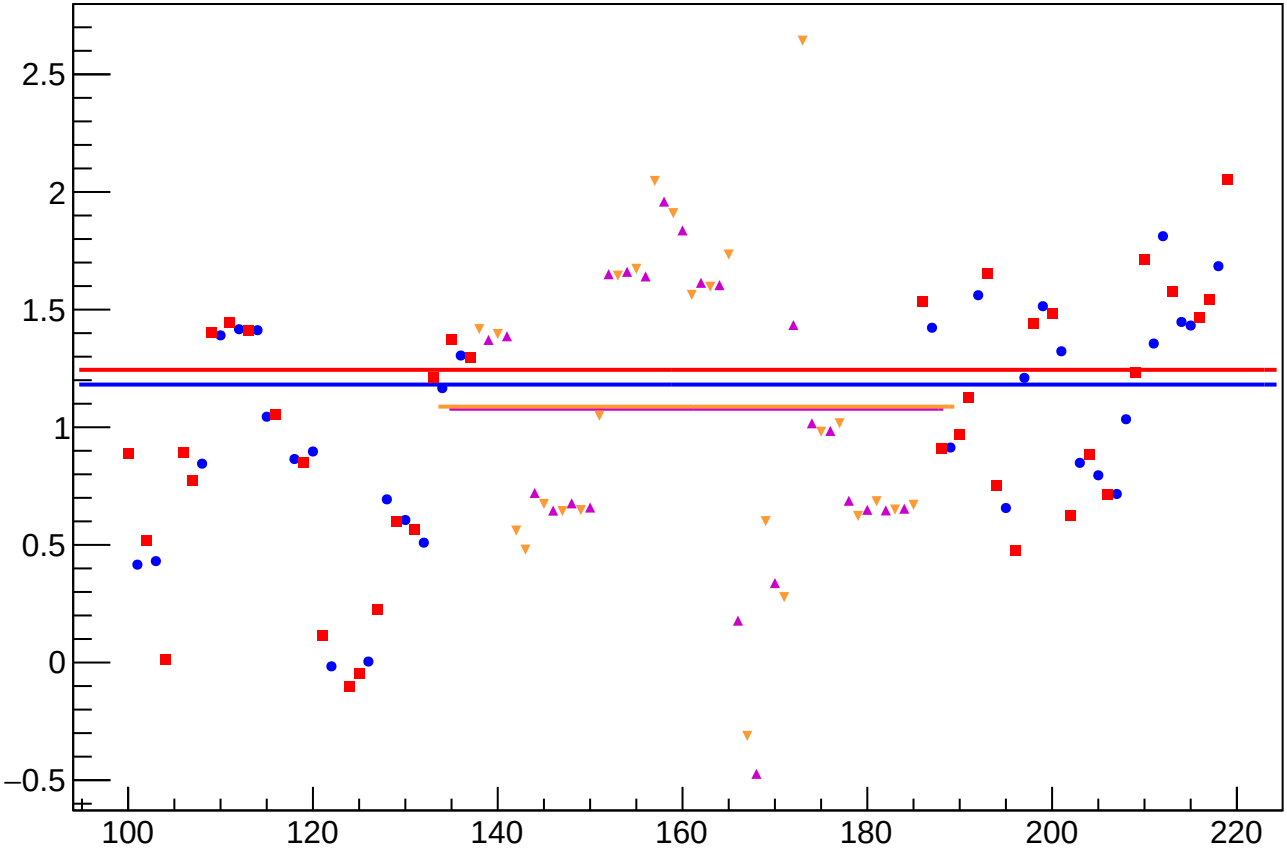
Right: 0.046+/-0.000 χ^2/NDF: 12371886.9/68

In: 0.039+/-0.000 χ^2/NDF:8293684.8/54

Out: 0.040+/-0.000 χ^2/NDF:7923461.8/61

All: 0.039+/-0.000 χ^2/NDF: 16222670.2/116

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.181+/-0.000 χ^2/NDF: 58769336942.3/31

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 1.244+/-0.000 χ^2/NDF: 85412976114.7/36

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

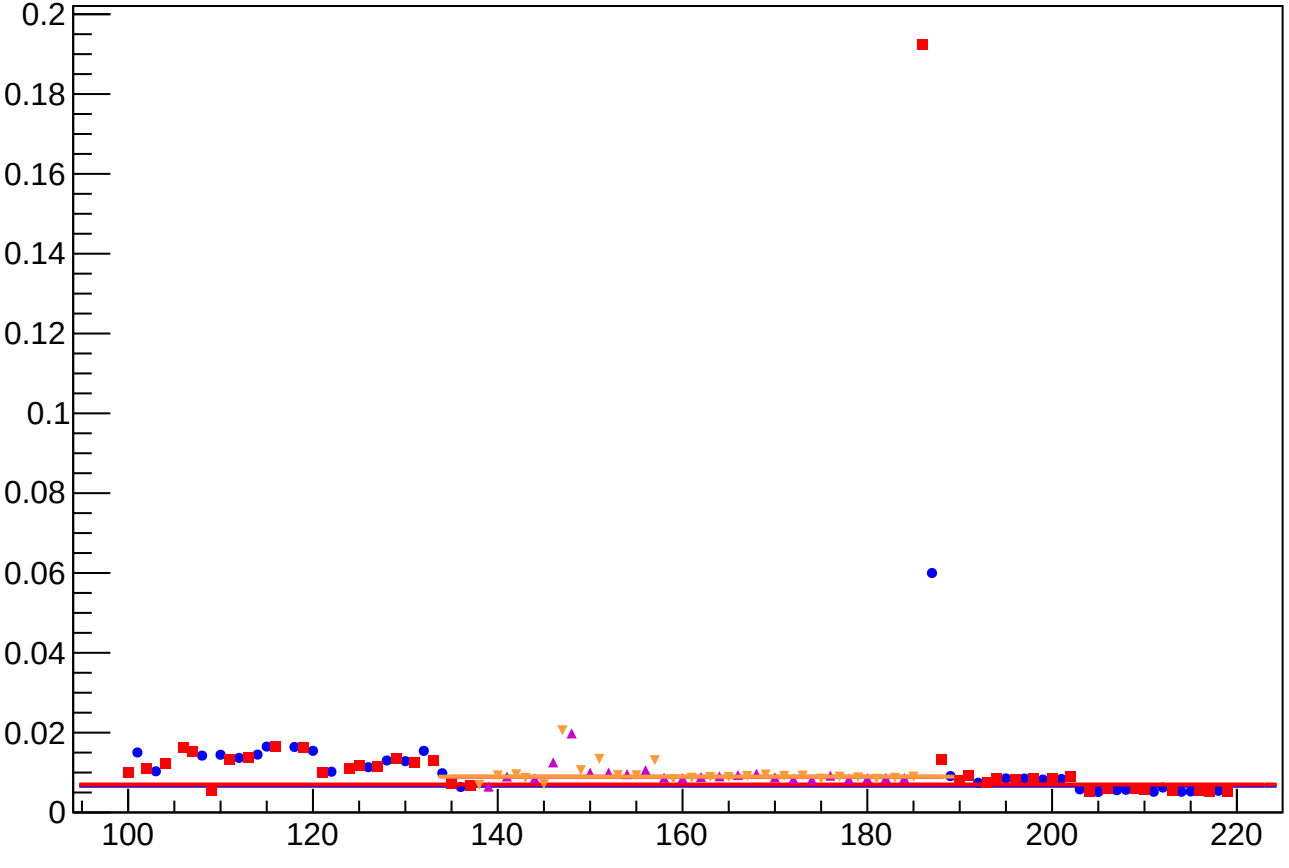
Right: 1.212+/-0.000 χ^2/NDF: 144895027955.4/68

In: 1.144+/-0.000 χ^2/NDF:134274499141.2/54

Out: 1.184+/-0.000 χ^2/NDF:182633319110.1/61

All: 1.164+/-0.000 χ^2/NDF: 317363812411.6

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 4278576.6/31

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.007+/-0.000 χ^2/NDF: 4758909.9/36

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

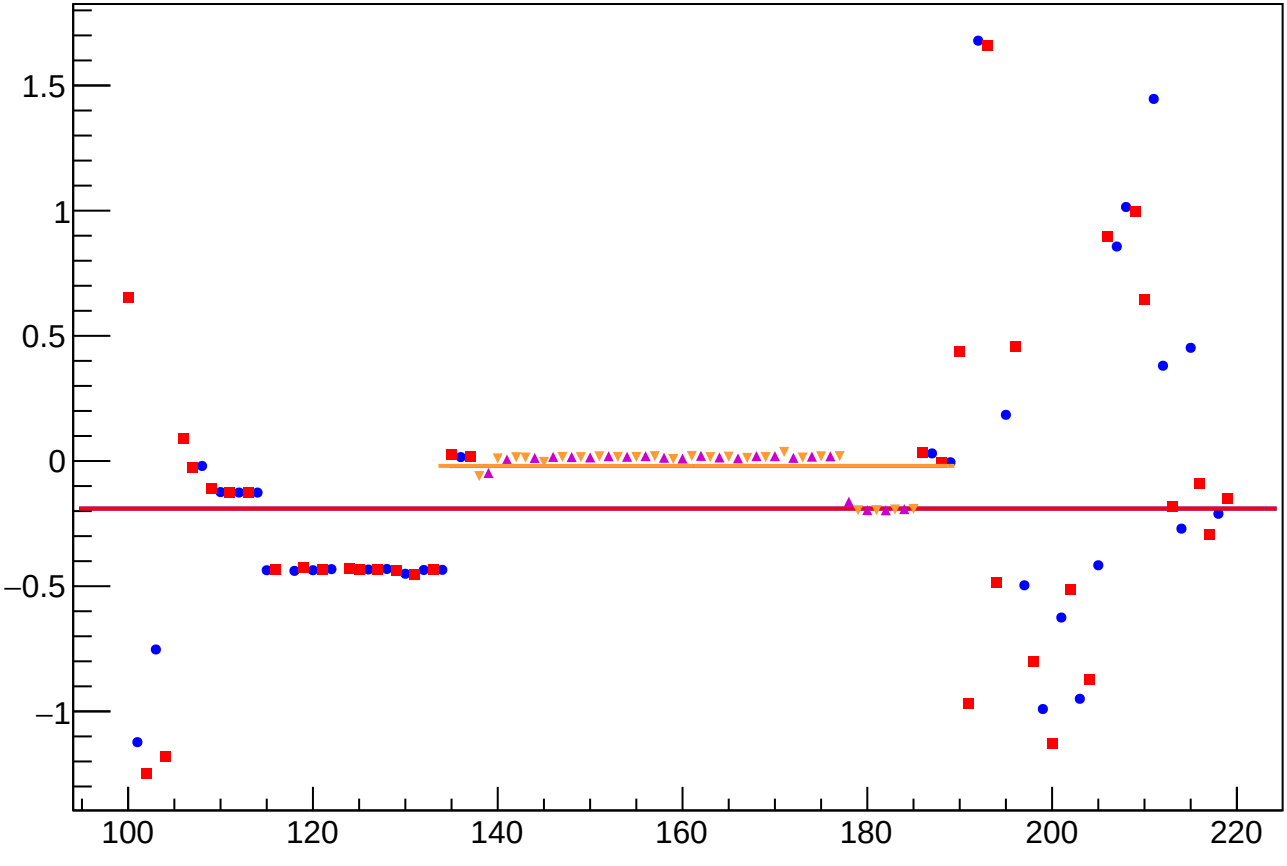
Right: 0.007+/-0.000 χ^2/NDF: 9071864.7/68

In: 0.008+/-0.000 χ^2/NDF:6614907.2/54

Out: 0.008+/-0.000 χ^2/NDF:6975615.9/61

All: 0.008+/-0.000 χ^2/NDF: 13626639.3/116

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.190+/-0.000 χ^2/NDF: 6213860859.7/31

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.190+/-0.000 χ^2/NDF: 4555627292.3/36

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

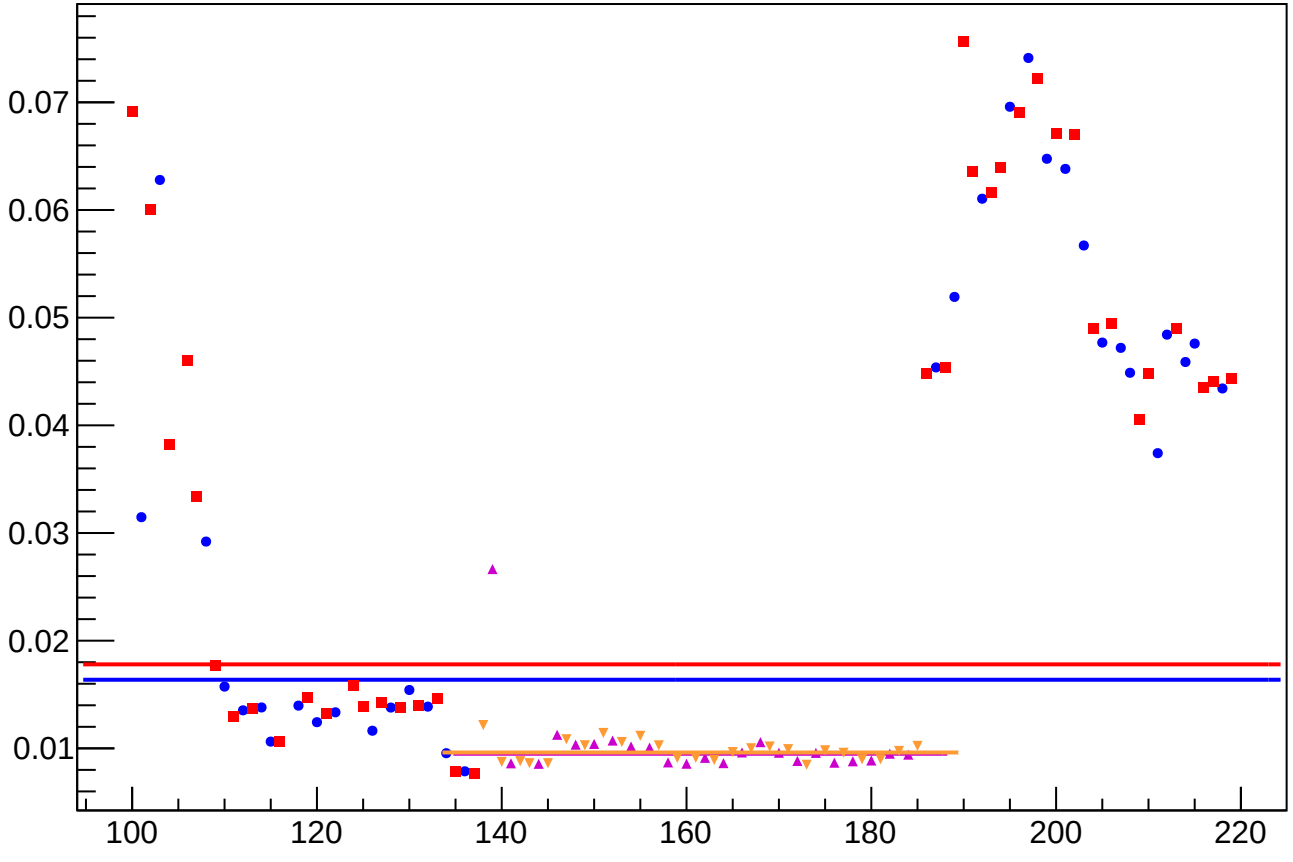
Right: -0.190+/-0.000 χ^2/NDF: 10769488385.3/68

In: -0.053+/-0.000 χ^2/NDF:8136467044.6/54

Out: -0.049+/-0.000 χ^2/NDF:6502750287.6/61

All: -0.051+/-0.000 χ^2/NDF: 14641031731.5/

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 15042300.5/31

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.018+/-0.000 χ^2/NDF: 15790259.3/36

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

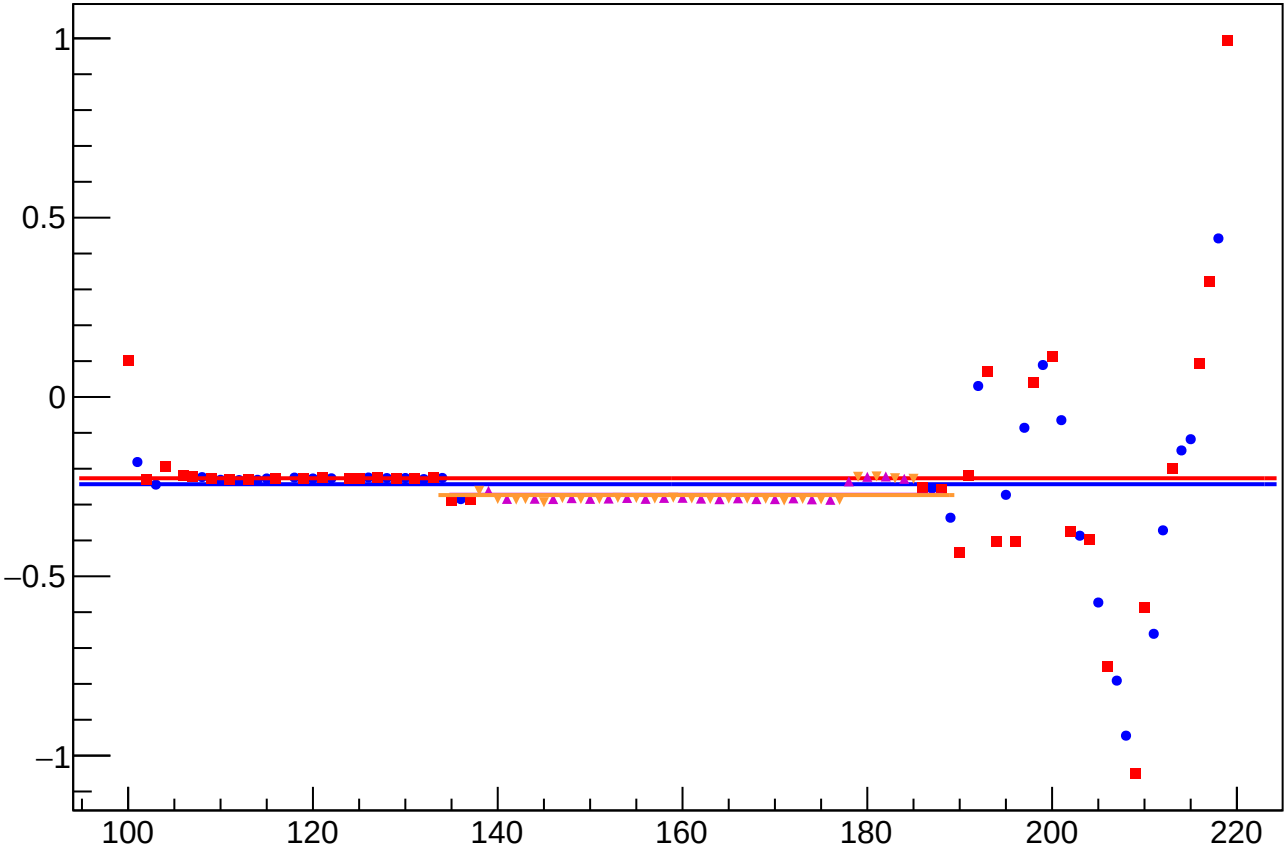
Right: 0.017+/-0.000 χ^2/NDF: 30911148.8/68

In: 0.011+/-0.000 χ^2/NDF:19017562.9/54

Out: 0.011+/-0.000 χ^2/NDF:20149205.7/61

All: 0.011+/-0.000 χ^2/NDF: 39175264.9/116

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.243+/-0.000 χ^2/NDF: 37504787651.9/31

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.227+/-0.000 χ^2/NDF: 54052880309.0/36

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

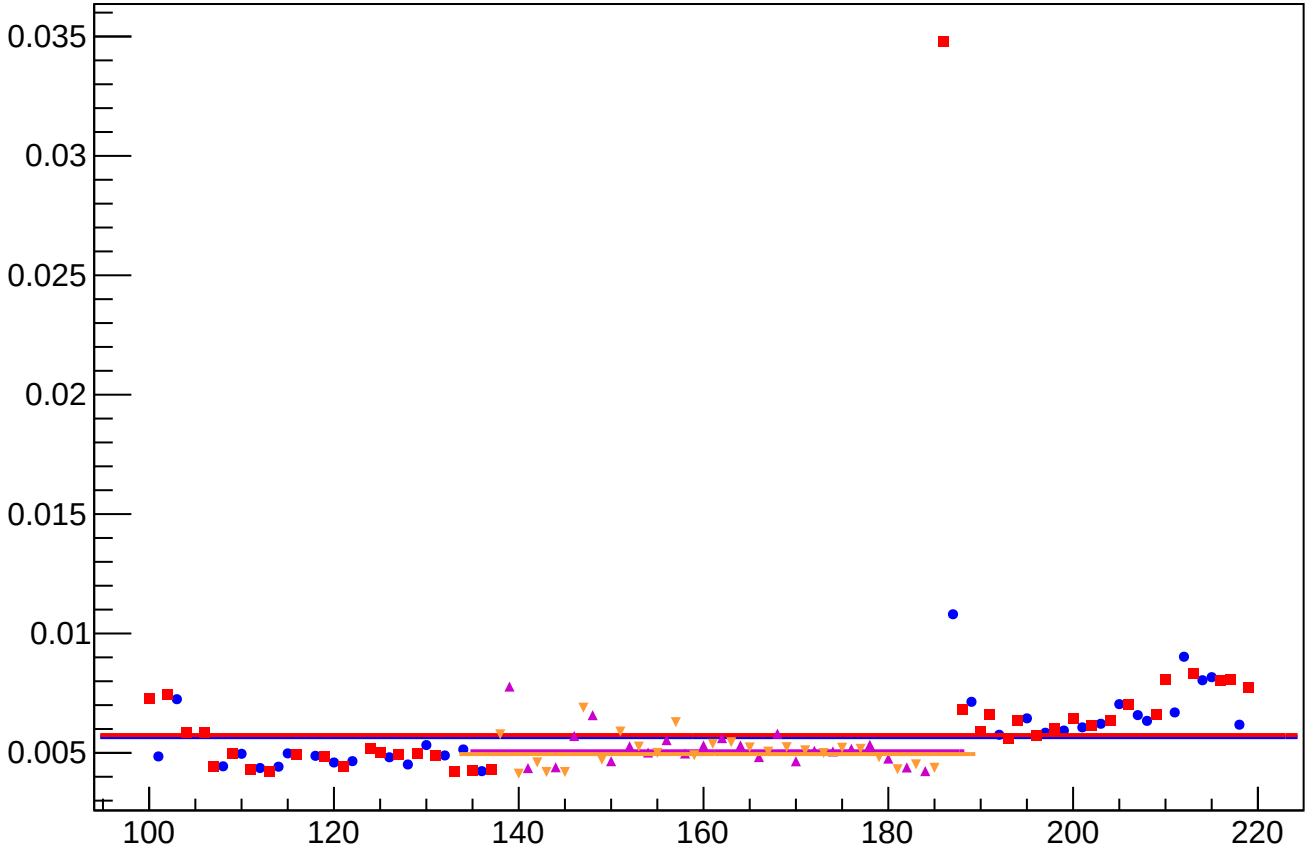
Right: -0.235+/-0.000 χ^2/NDF: 91636201755.3/68

In: -0.259+/-0.000 χ^2/NDF:38103979005.2/54

Out: -0.253+/-0.000 χ^2/NDF:55162289461.7/61

All: -0.256+/-0.000 χ^2/NDF: 93291420429.9/

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1518625.4/31

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2211718.9/36

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

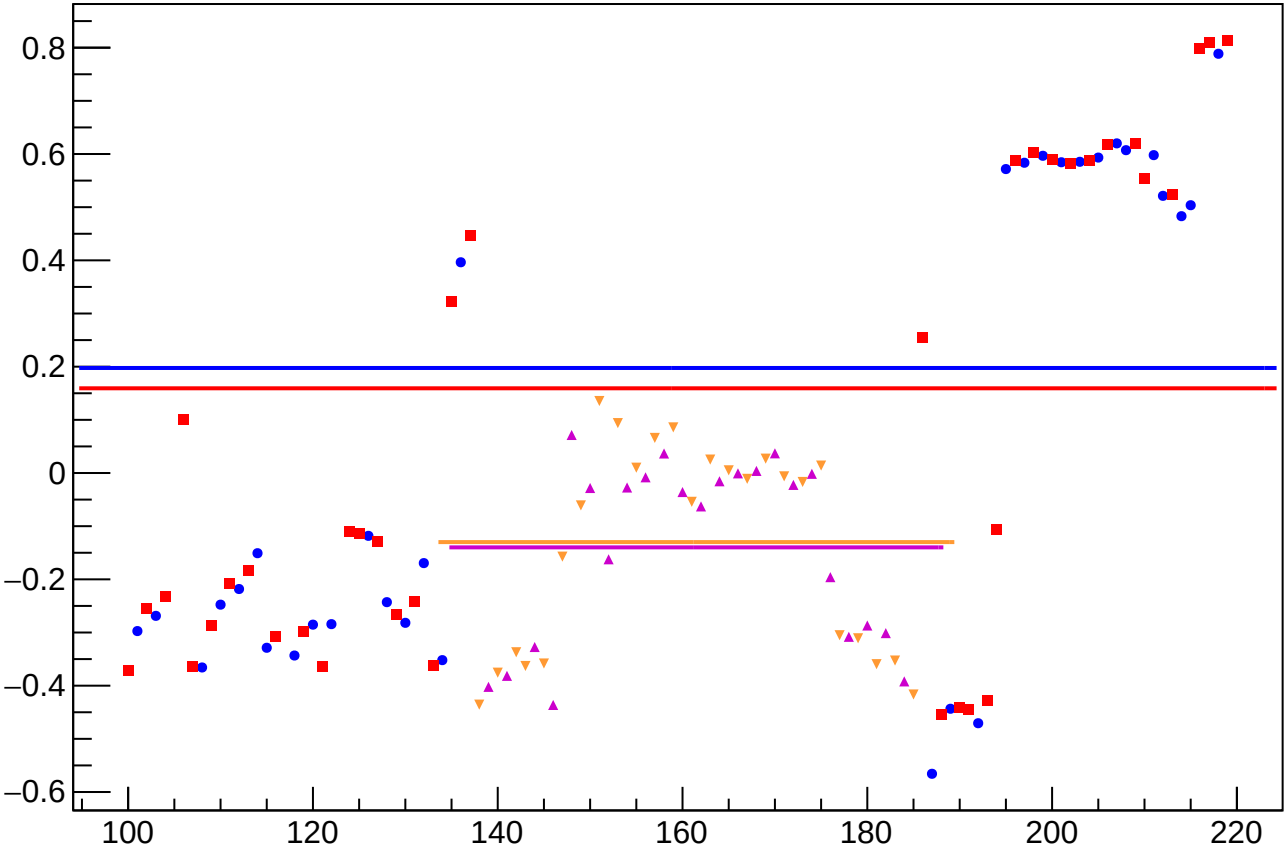
Right: 0.006+/-0.000 χ^2/NDF: 3734702.2/68

In: 0.005+/-0.000 χ^2/NDF:2272377.1/54

Out: 0.005+/-0.000 χ^2/NDF:3152077.4/61

All: 0.005+/-0.000 χ^2/NDF: 5426192.9/116

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: 0.198+/-0.000 χ^2/NDF: 79611963206.7/31

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: 0.159+/-0.000 χ^2/NDF: 90892088011.1/36

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

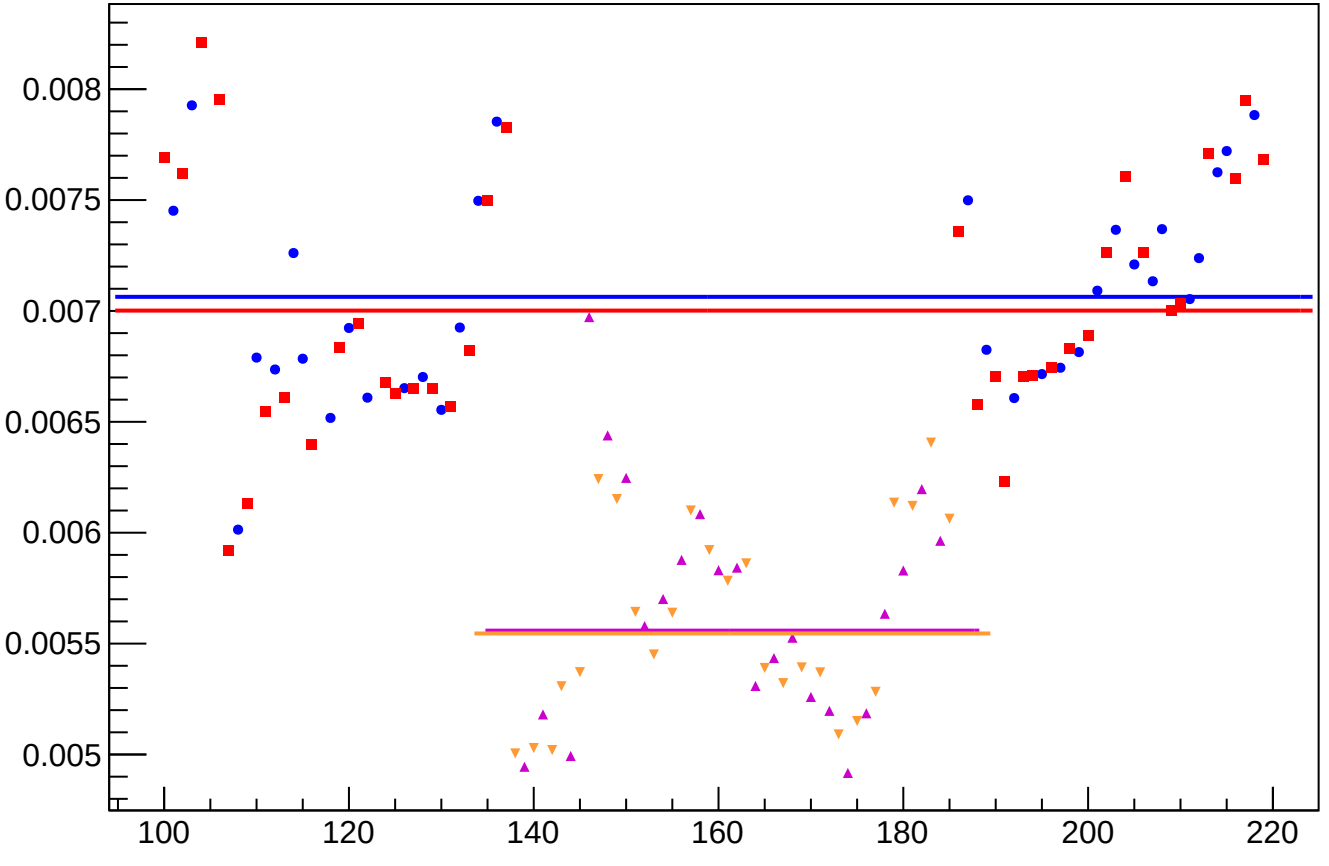
Right: 0.178+/-0.000 χ^2/NDF: 170805026694.1/68

In: 0.000+/-0.000 χ^2/NDF:121183605642.8/54

Out: -0.009+/-0.000 χ^2/NDF:133239888531.4/61

All: -0.005+/-0.000 χ^2/NDF: 254466085974.8

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 162081.2/31

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 214292.9/36

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

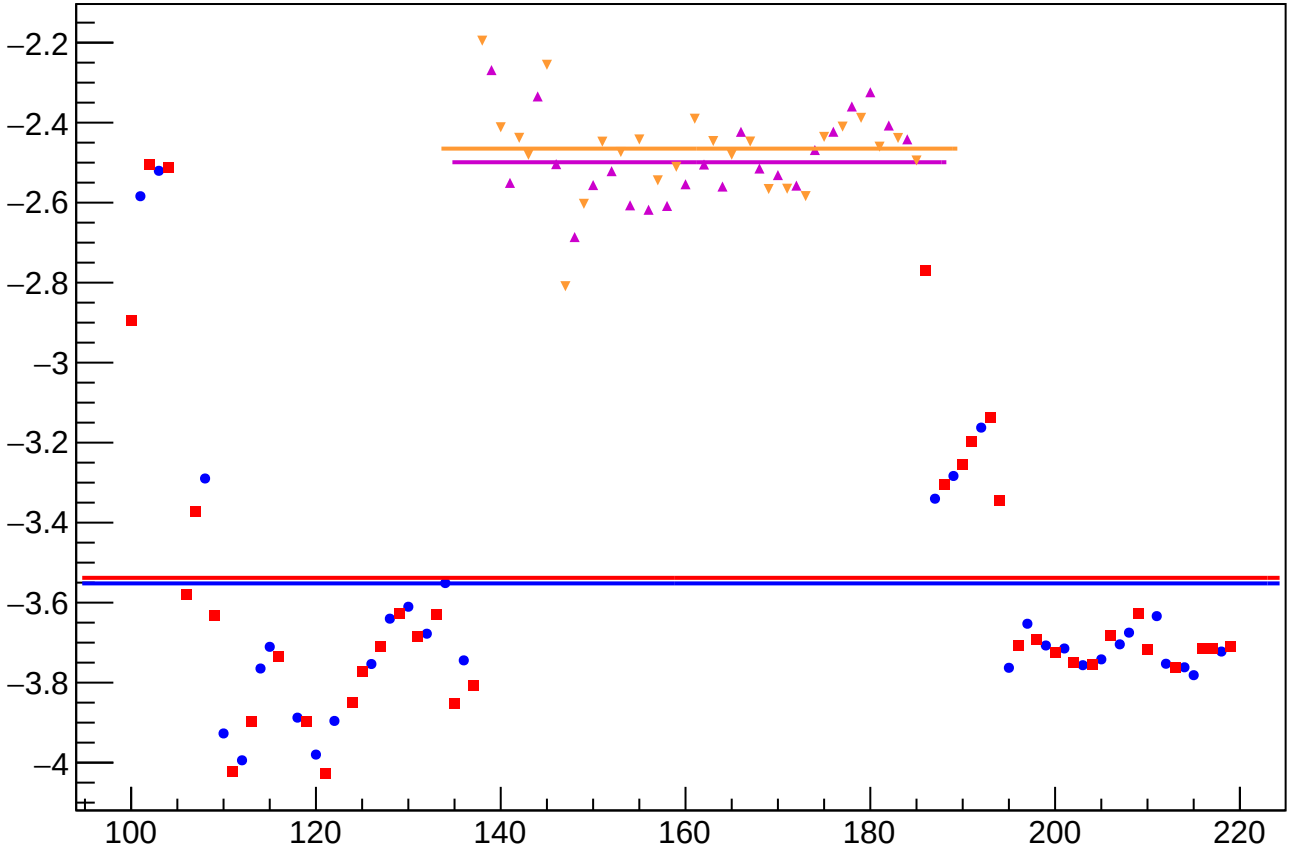
Right: 0.007+/-0.000 χ^2/NDF: 377955.6/68

In: 0.006+/-0.000 χ^2/NDF:1474418.0/54

Out: 0.006+/-0.000 χ^2/NDF:1472591.4/61

All: 0.006+/-0.000 χ^2/NDF: 2947858.6/116

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.552+/-0.000 χ^2/NDF: 33836848869.8/31

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.538+/-0.000 χ^2/NDF: 35680524386.2/36

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

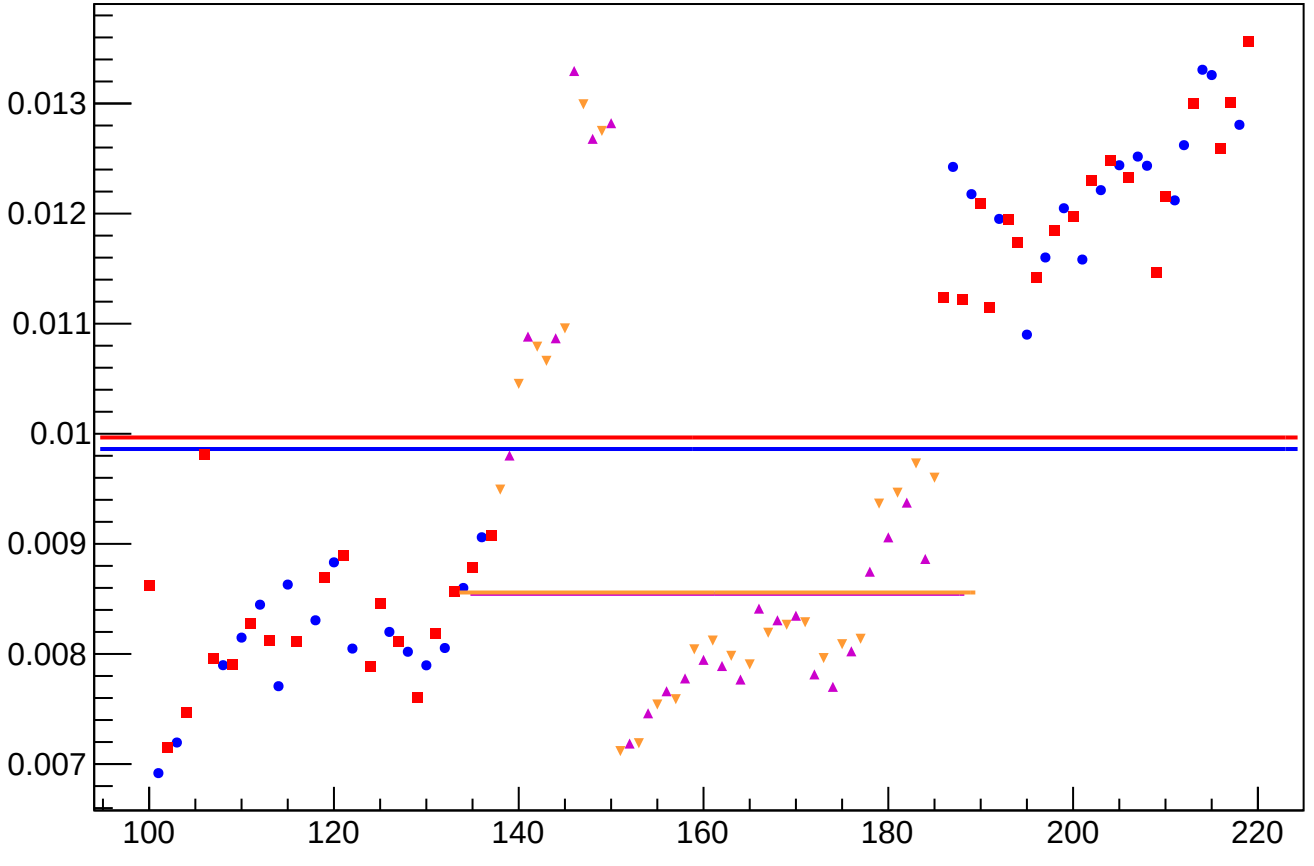
Right: -3.545+/-0.000 χ^2/NDF: 69536561018.5/68

In: -2.976+/-0.000 χ^2/NDF:153660551410.8/54

Out: -2.949+/-0.000 χ^2/NDF:165934528537.4/61

All: -2.962+/-0.000 χ^2/NDF: 319762311657.

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1839415.2/31

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1735510.5/36

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

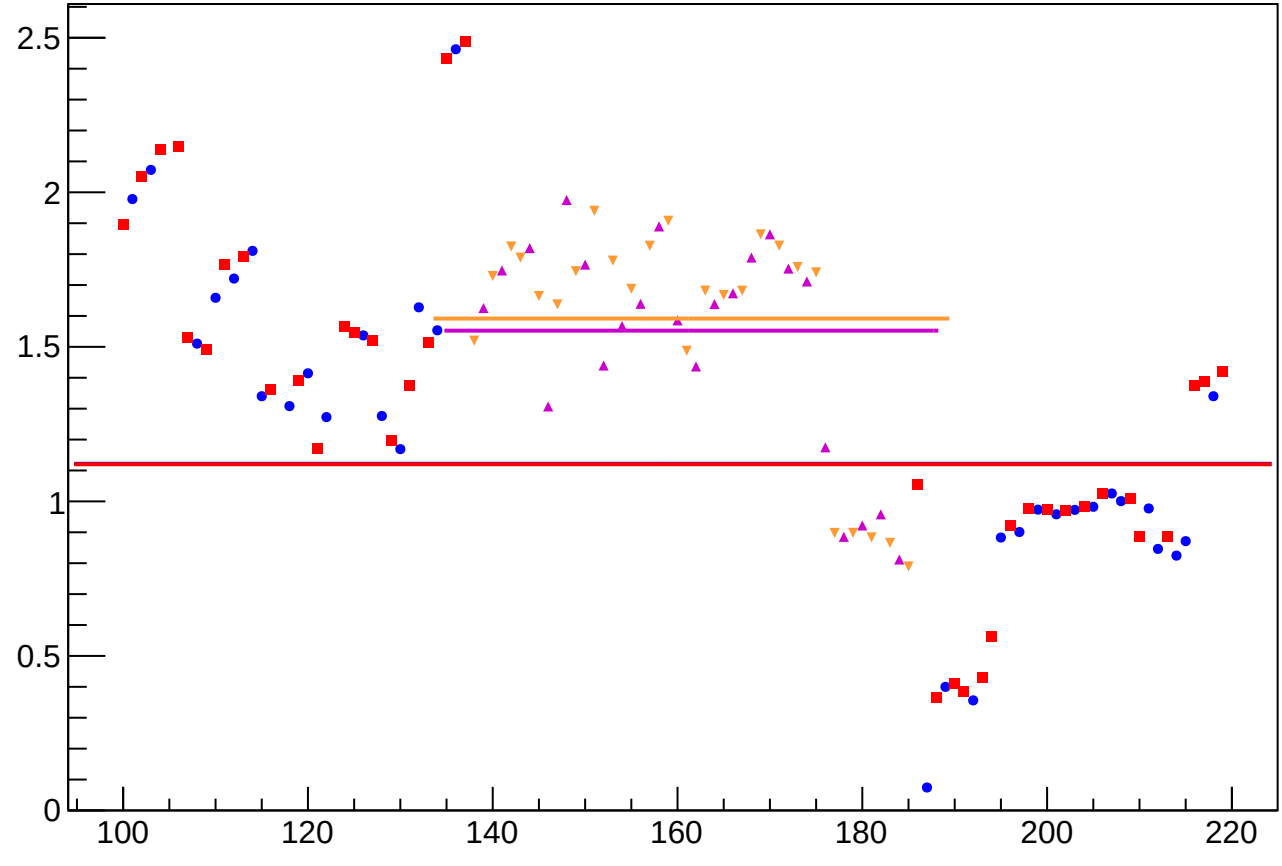
Right: 0.010+/-0.000 χ^2/NDF: 3577100.1/68

In: 0.009+/-0.000 χ^2/NDF:3117308.4/54

Out: 0.009+/-0.000 χ^2/NDF:3000652.0/61

All: 0.009+/-0.000 χ^2/NDF: 6119089.3/116

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 30928650859.4/31

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.120+/-0.000 χ^2/NDF: 35889972774.5/36

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

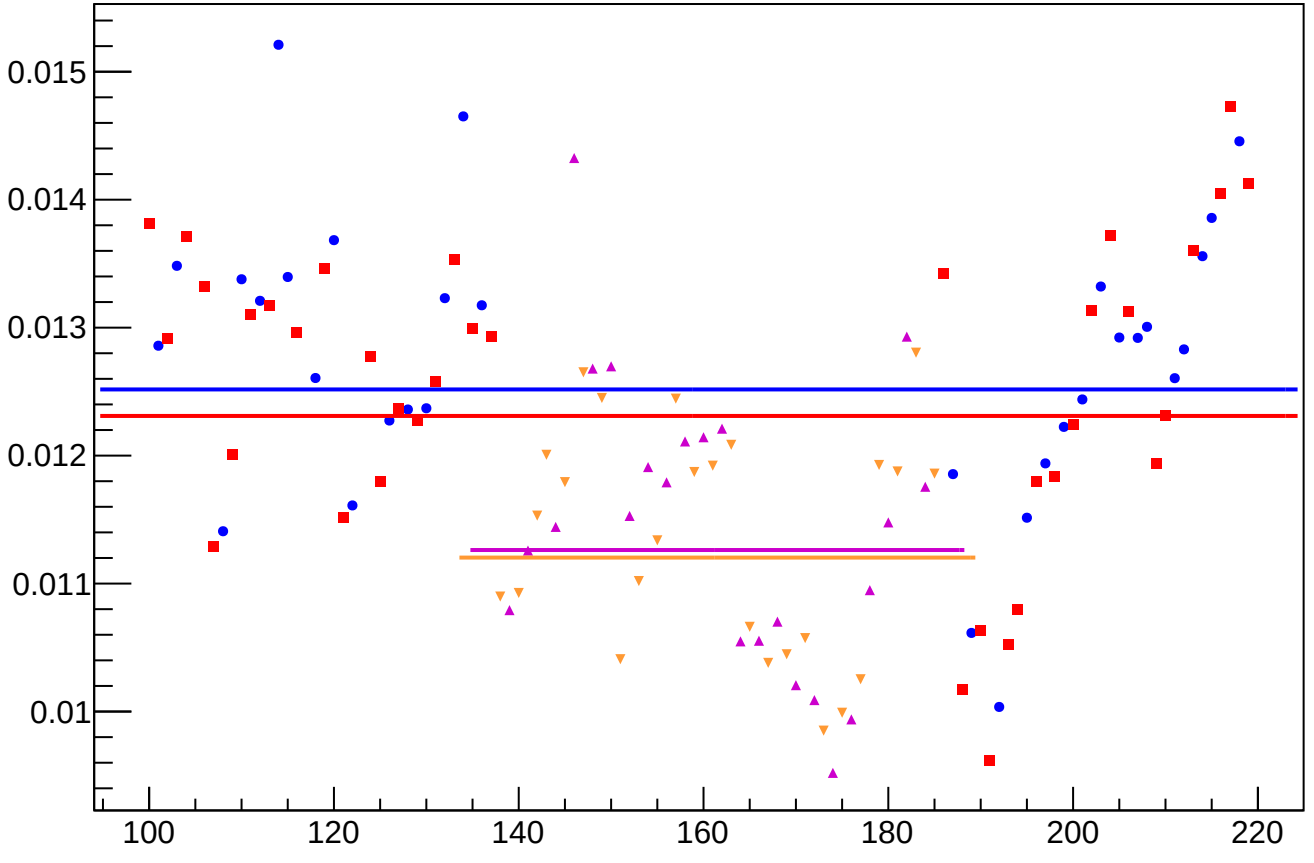
Right: 1.121+/-0.000 χ^2/NDF: 66818759803.5/68

In: 1.346+/-0.000 χ^2/NDF:57110740764.2/54

Out: 1.364+/-0.000 χ^2/NDF:68726219465.2/61

All: 1.356+/-0.000 χ^2/NDF: 125880522794.2

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 303324.9/31

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 431506.5/36

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

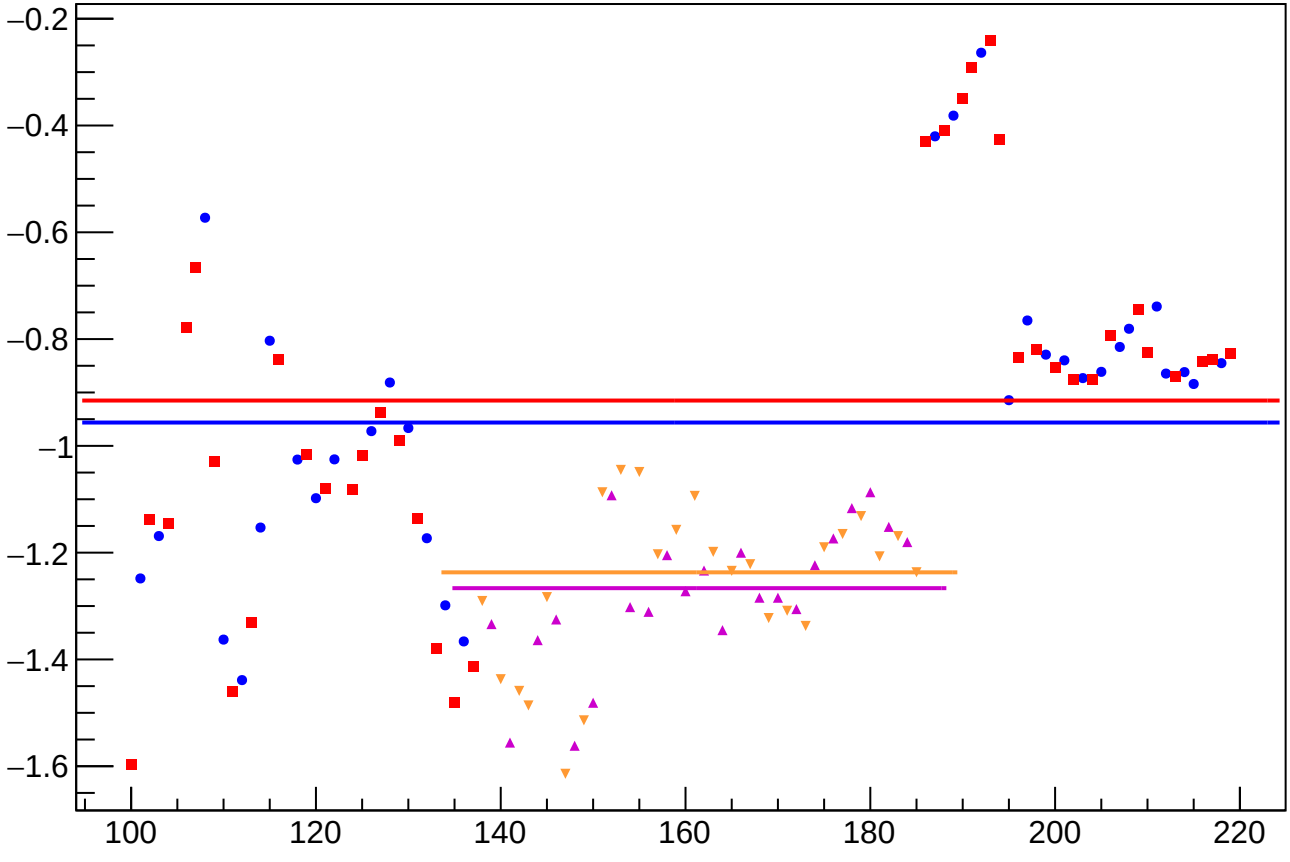
Right: 0.012+/-0.000 χ^2/NDF: 740440.6/68

In: 0.012+/-0.000 χ^2/NDF:820674.9/54

Out: 0.012+/-0.000 χ^2/NDF:828794.6/61

All: 0.012+/-0.000 χ^2/NDF: 1653762.4/116

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -0.956+/-0.000 χ^2/NDF: 12566630853.0/31

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.915+/-0.000 χ^2/NDF: 17061950381.9/36

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

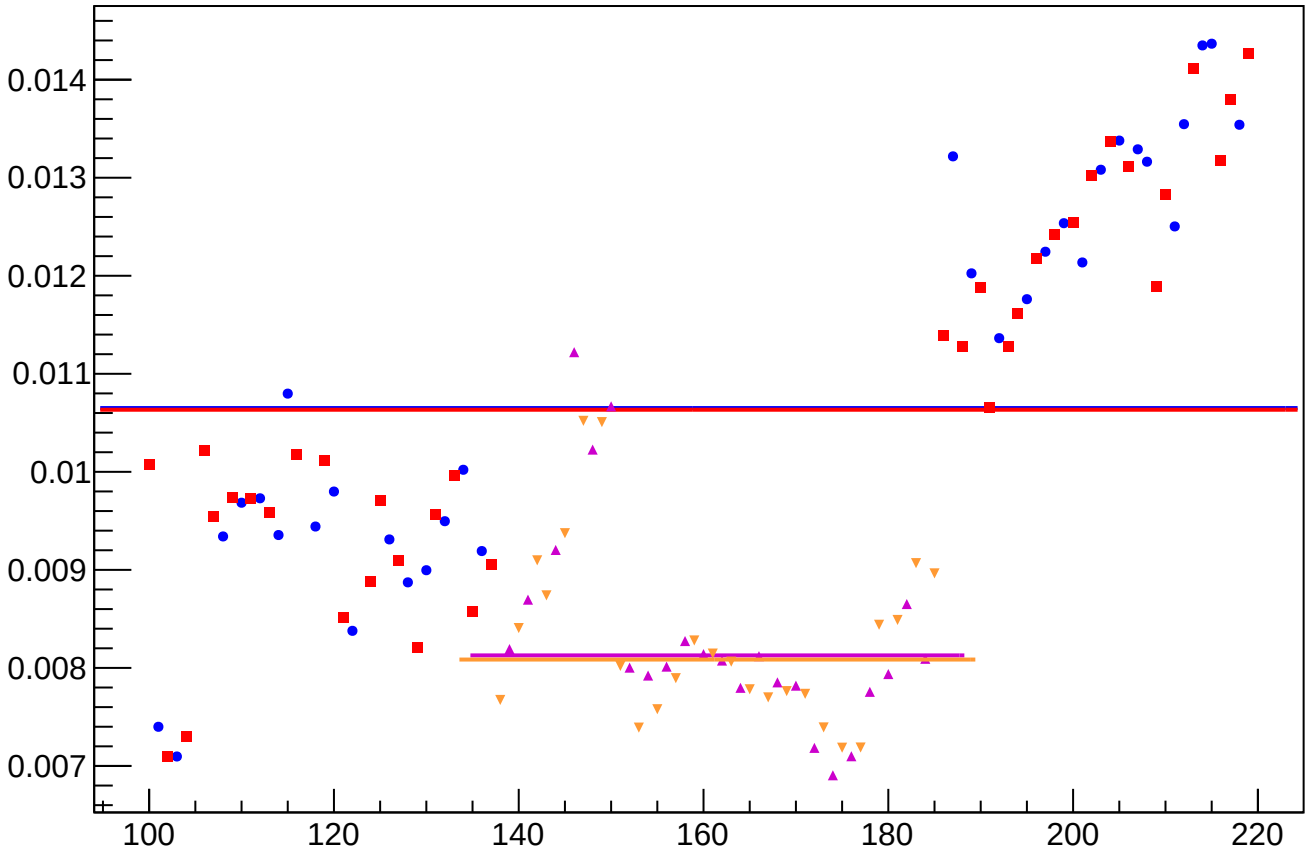
Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

Right: -0.935+/-0.000 χ^2/NDF: 29773842071.5/68

In: -1.146+/-0.000 χ^2/NDF:25966552628.8/54

Out: -1.111+/-0.000 χ^2/NDF:33208754598.9/61

All: -1.128+/-0.000 χ^2/NDF: 59433655258.4/



Right In: 0.011+/-0.000 χ^2/NDF: 1619808.6/31

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 1563494.7/36

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

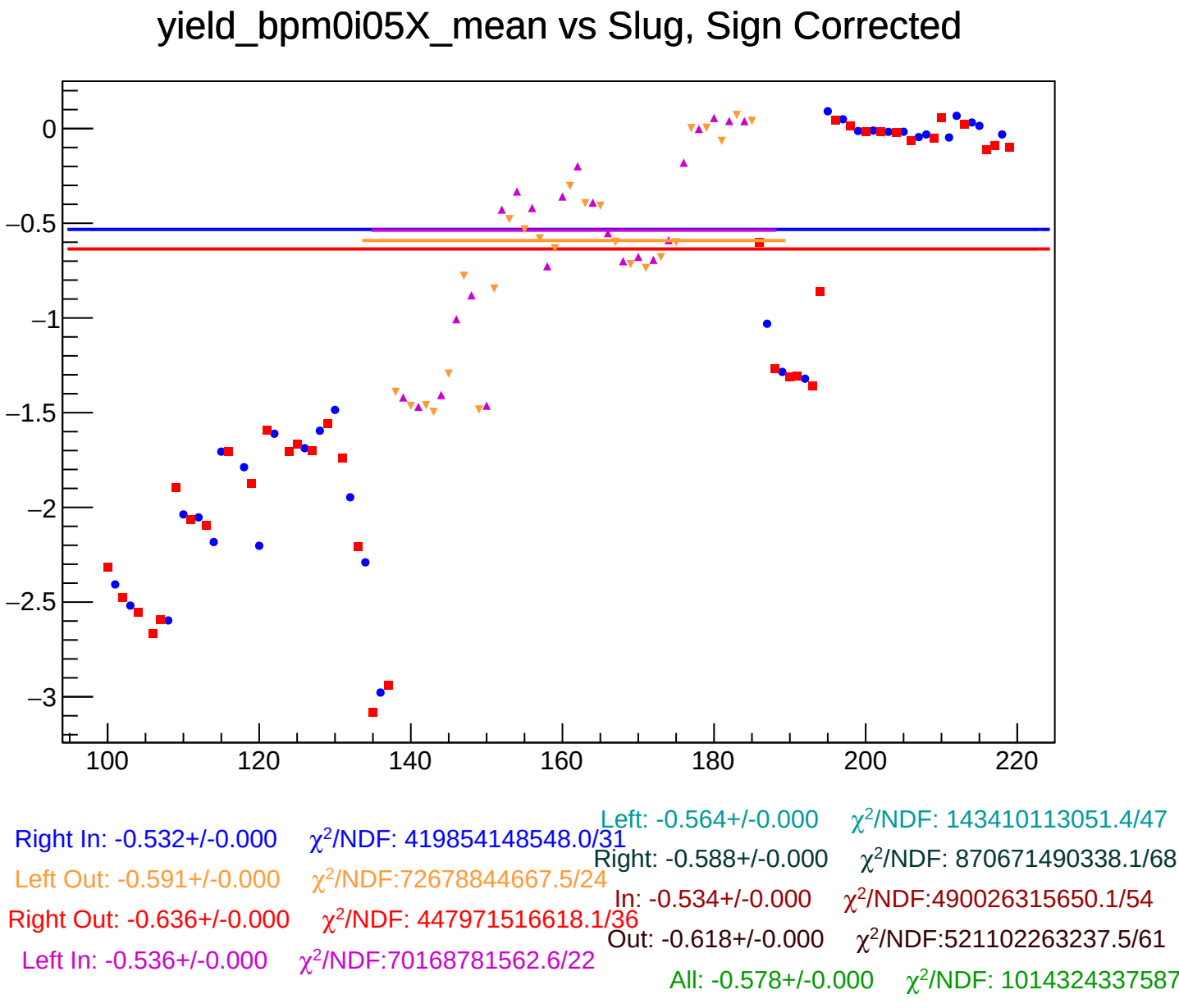
Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

Right: 0.011+/-0.000 χ^2/NDF: 3183353.2/68

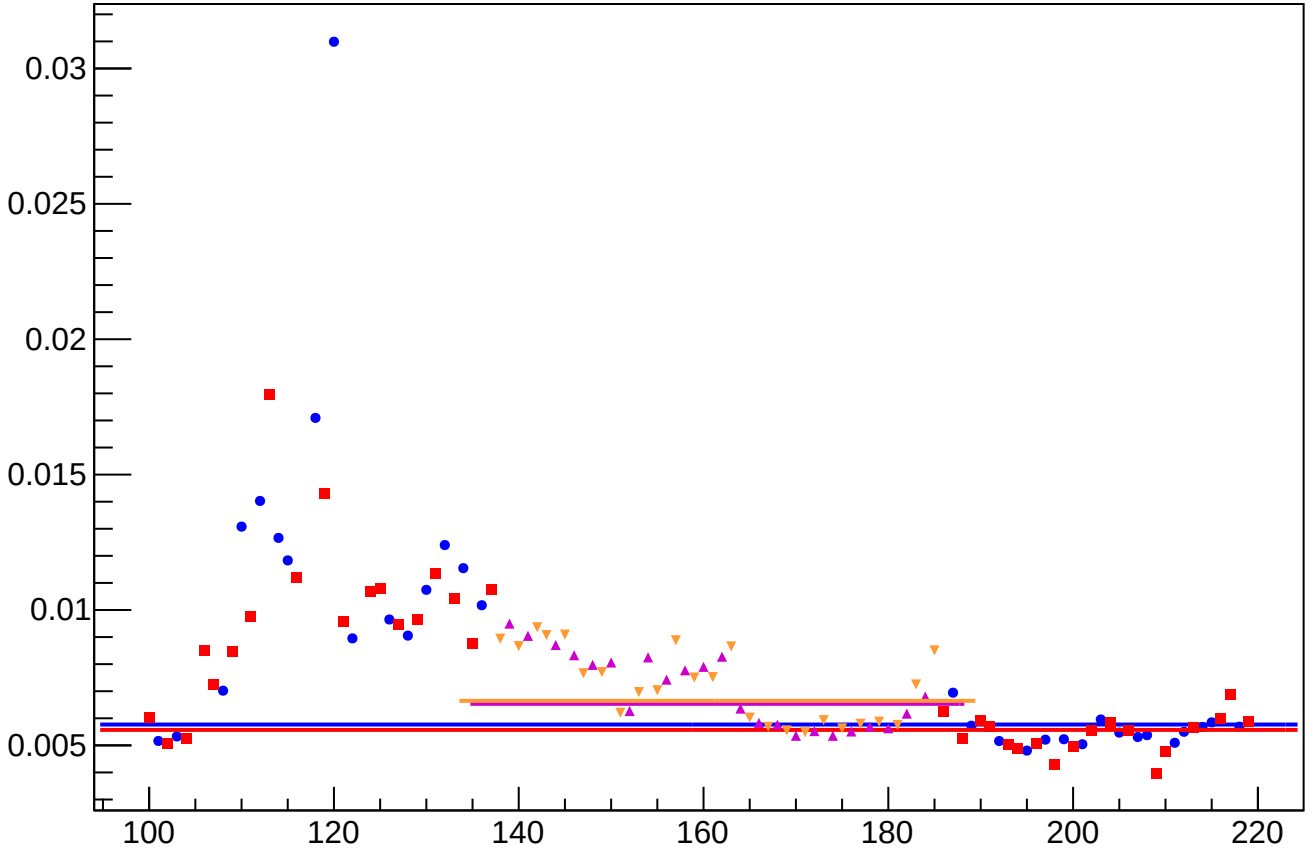
In: 0.009+/-0.000 χ^2/NDF:3315411.9/54

Out: 0.009+/-0.000 χ^2/NDF:3291977.3/61

All: 0.009+/-0.000 χ^2/NDF: 6607814.2/116


yield_bpm0i05X_mean vs Slug, Sign Corrected
0
−0.5
−1
−1.5
−2
−2.5
−3
100
120
140
160
180
200
220
Right In: -0.532+/-0.000 χ²/NDF: 419854148548.0/31
Left Out: -0.591+/-0.000 χ²/NDF:72678844667.5/24
Right Out: -0.636+/-0.000 χ²/NDF: 447971516618.1/36
Left In: -0.536+/-0.000 χ²/NDF:70168781562.6/22
Left: -0.564+/-0.000 χ²/NDF: 143410113051.4/47
Right: -0.588+/-0.000 χ²/NDF: 870671490338.1/68
In: -0.534+/-0.000 χ²/NDF:490026315650.1/54
Out: -0.618+/-0.000 χ²/NDF:521102263237.5/61
All: -0.578+/-0.000 χ²/NDF: 1014324337587

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2542699.8/31

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2750209.0/36

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

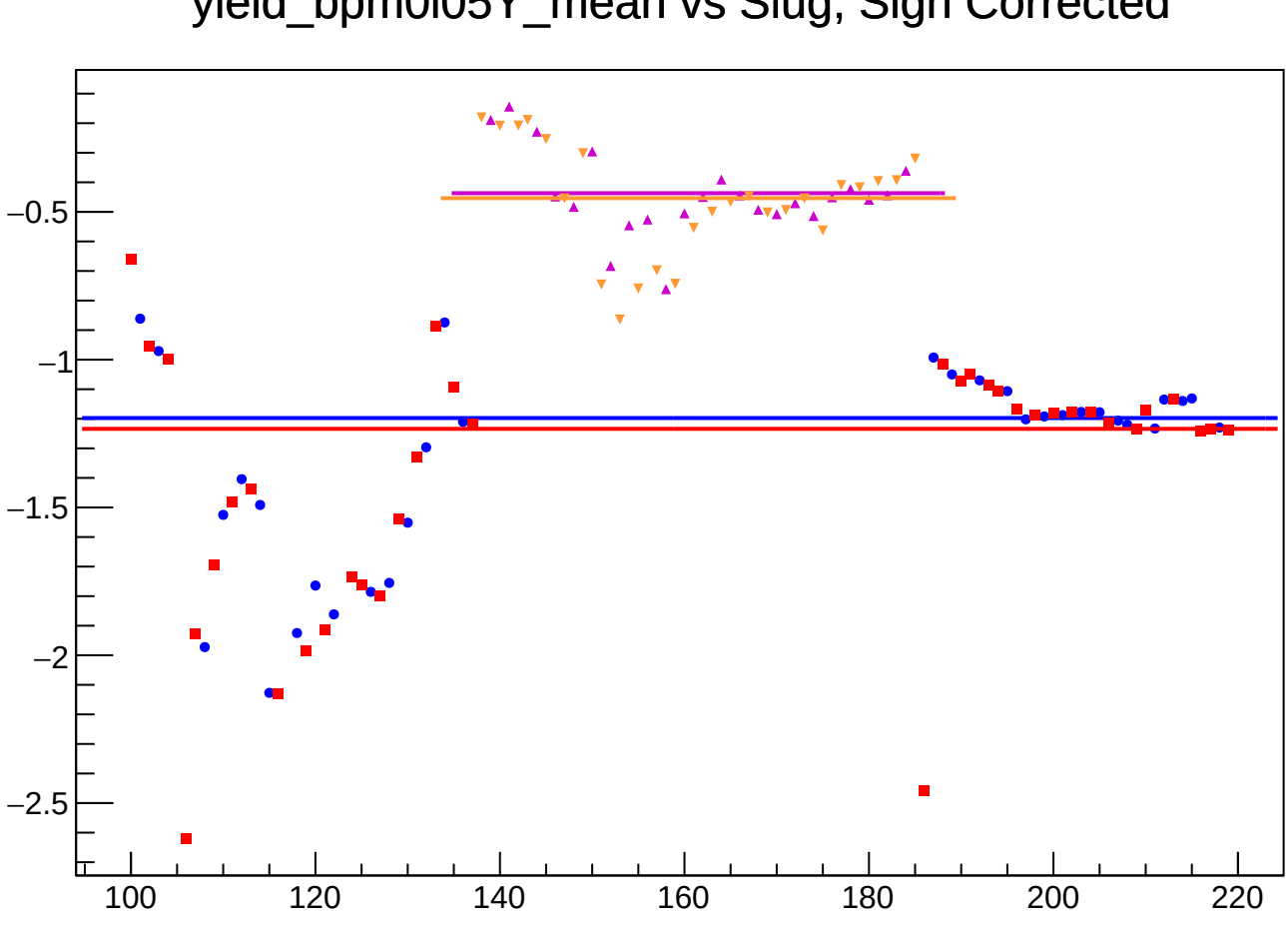
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 5313808.0/68

In: 0.006+/-0.000 χ^2/NDF:3943519.6/54

Out: 0.006+/-0.000 χ^2/NDF:4368018.1/61

All: 0.006+/-0.000 χ^2/NDF: 8319938.8/116



Right In: -1.197+/-0.000 χ^2/NDF: 27680583973.7/31

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.234+/-0.000 χ^2/NDF: 72816662258.6/36

Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

Left: -0.446+/-0.000 χ^2/NDF: 45759847773.7/47

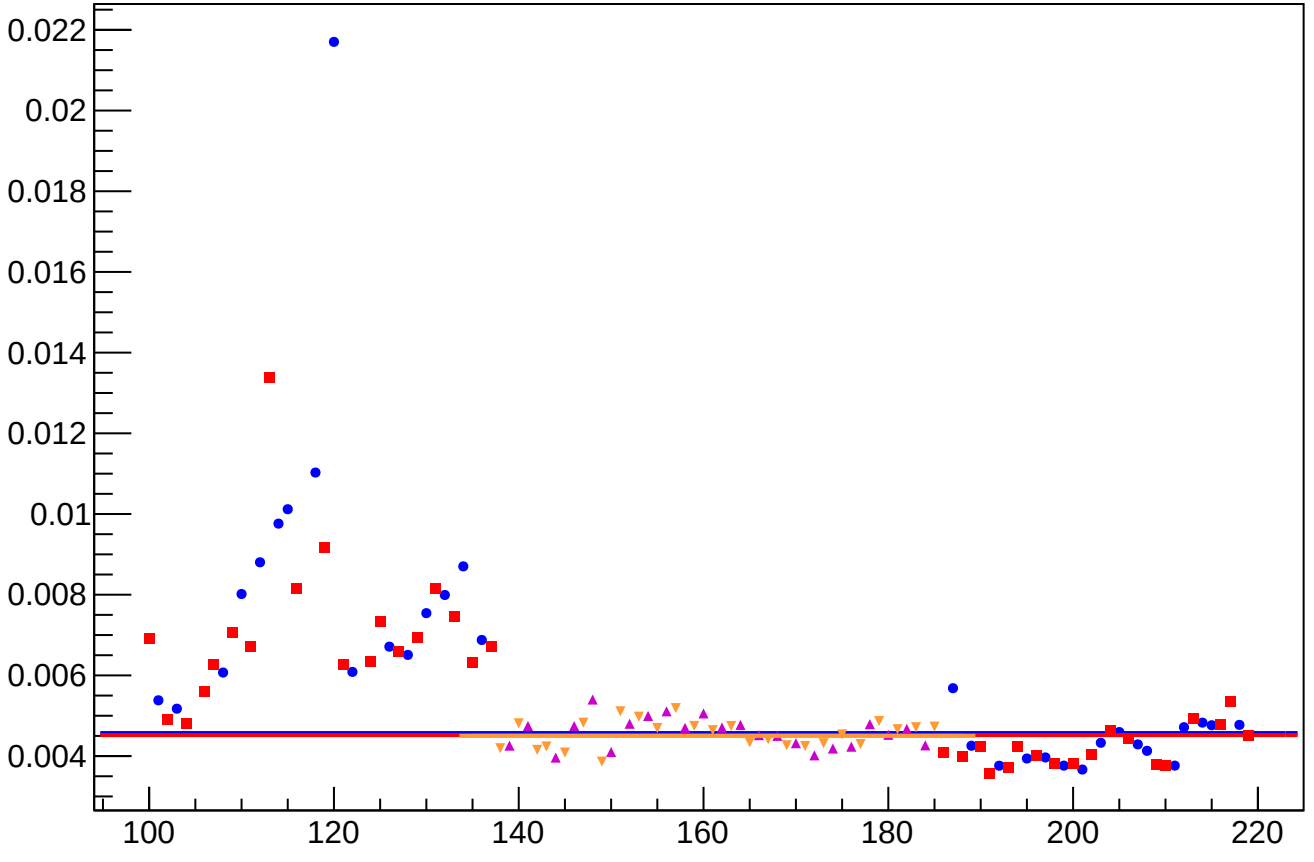
Right: -1.217+/-0.000 χ^2/NDF: 101061702020.7/68

In: -0.814+/-0.000 χ^2/NDF:278205303743.8/54

Out: -0.848+/-0.000 χ^2/NDF:369419246467.3/61

All: -0.832+/-0.000 χ^2/NDF: 648562777516.7

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2258812.8/31

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2025589.5/36

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

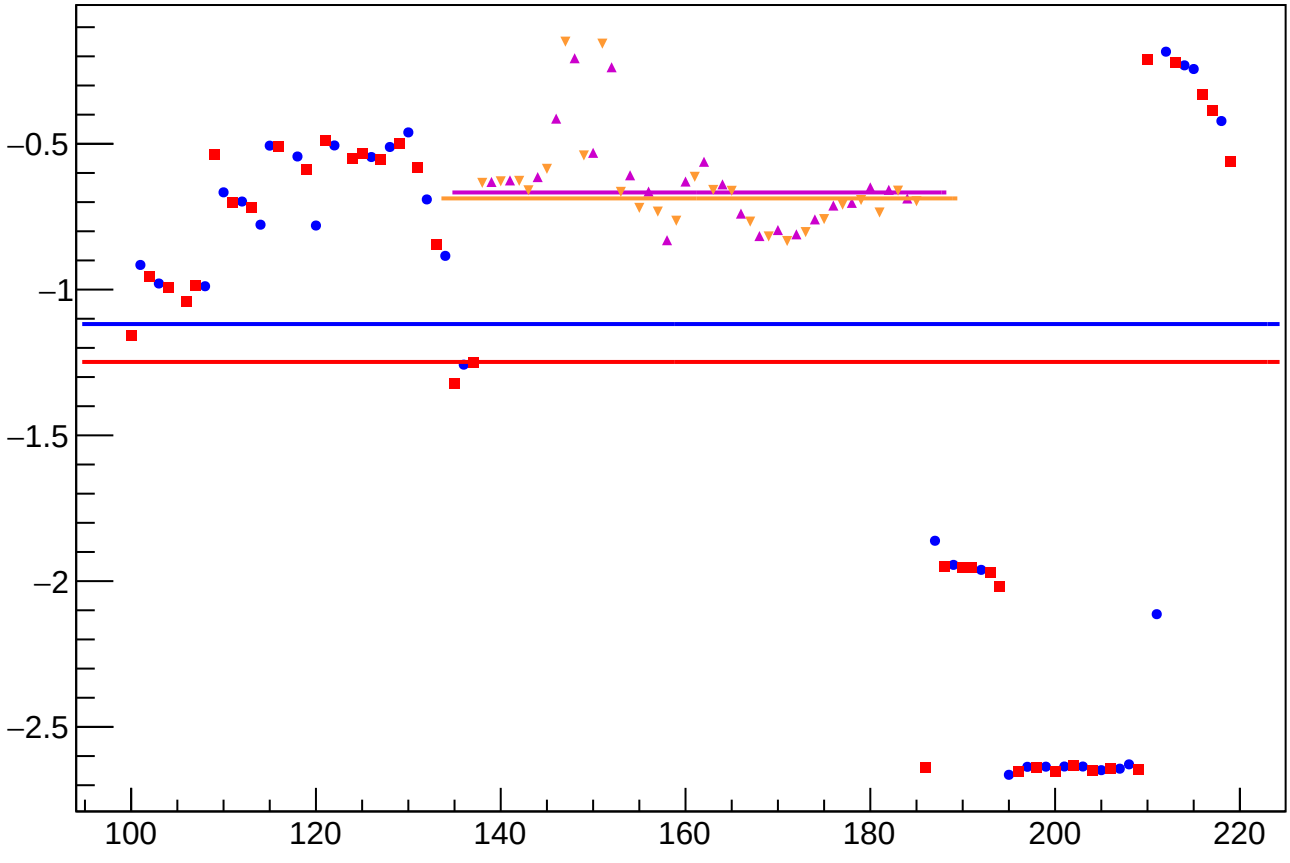
Right: 0.005+/-0.000 χ^2/NDF: 4286600.7/68

In: 0.005+/-0.000 χ^2/NDF:2472950.9/54

Out: 0.005+/-0.000 χ^2/NDF:2215143.0/61

All: 0.005+/-0.000 χ^2/NDF: 4690158.8/116

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -1.118+/-0.000 χ^2/NDF: 626571748572.9/31

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.248+/-0.000 χ^2/NDF: 767970838031.8/36

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

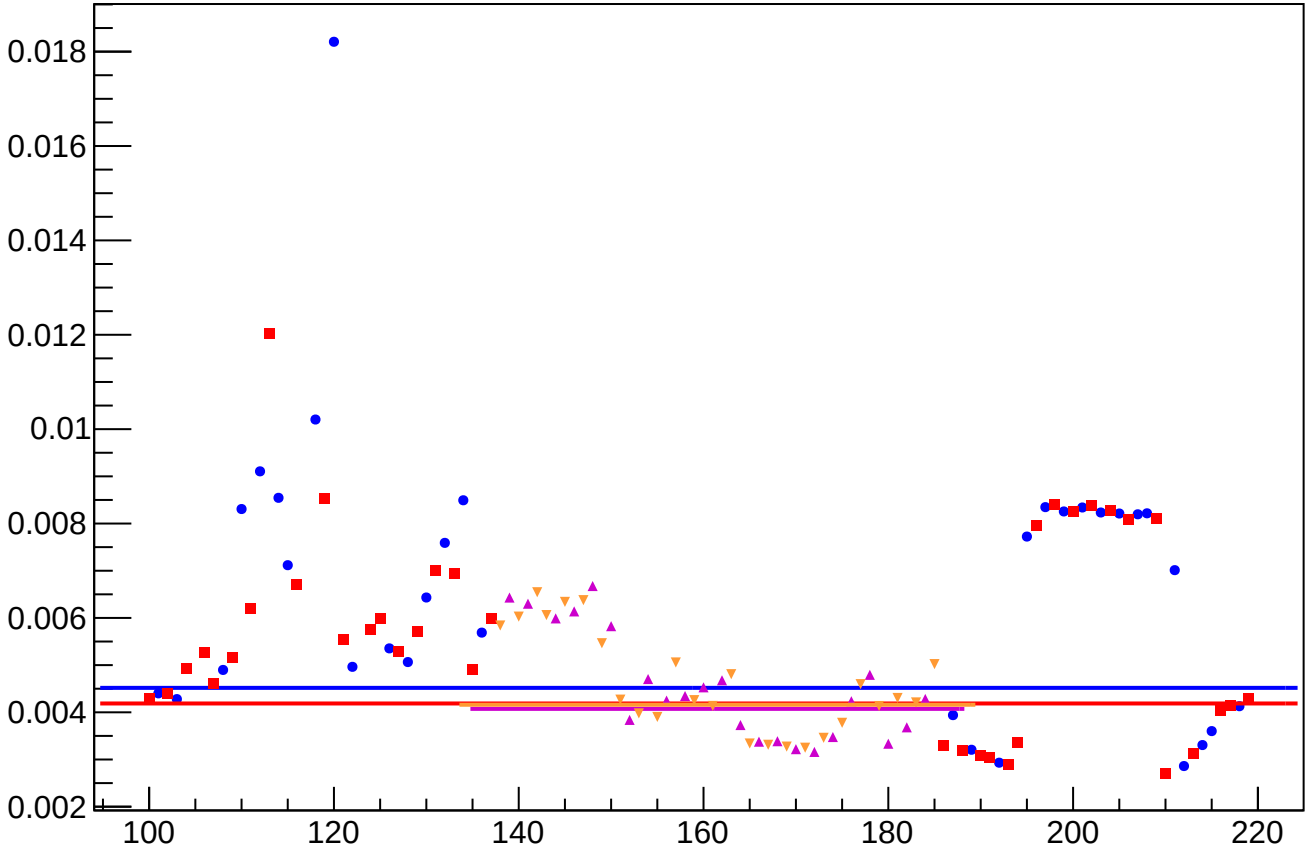
Right: -1.191+/-0.000 χ^2/NDF: 1401833831171.4/6

In: -0.869+/-0.000 χ^2/NDF:735976821379.8/54

Out: -0.970+/-0.000 χ^2/NDF:943286262125.9/61

All: -0.922+/-0.000 χ^2/NDF: 1688514583533

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 5867367.5/31

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 5568237.2/36

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

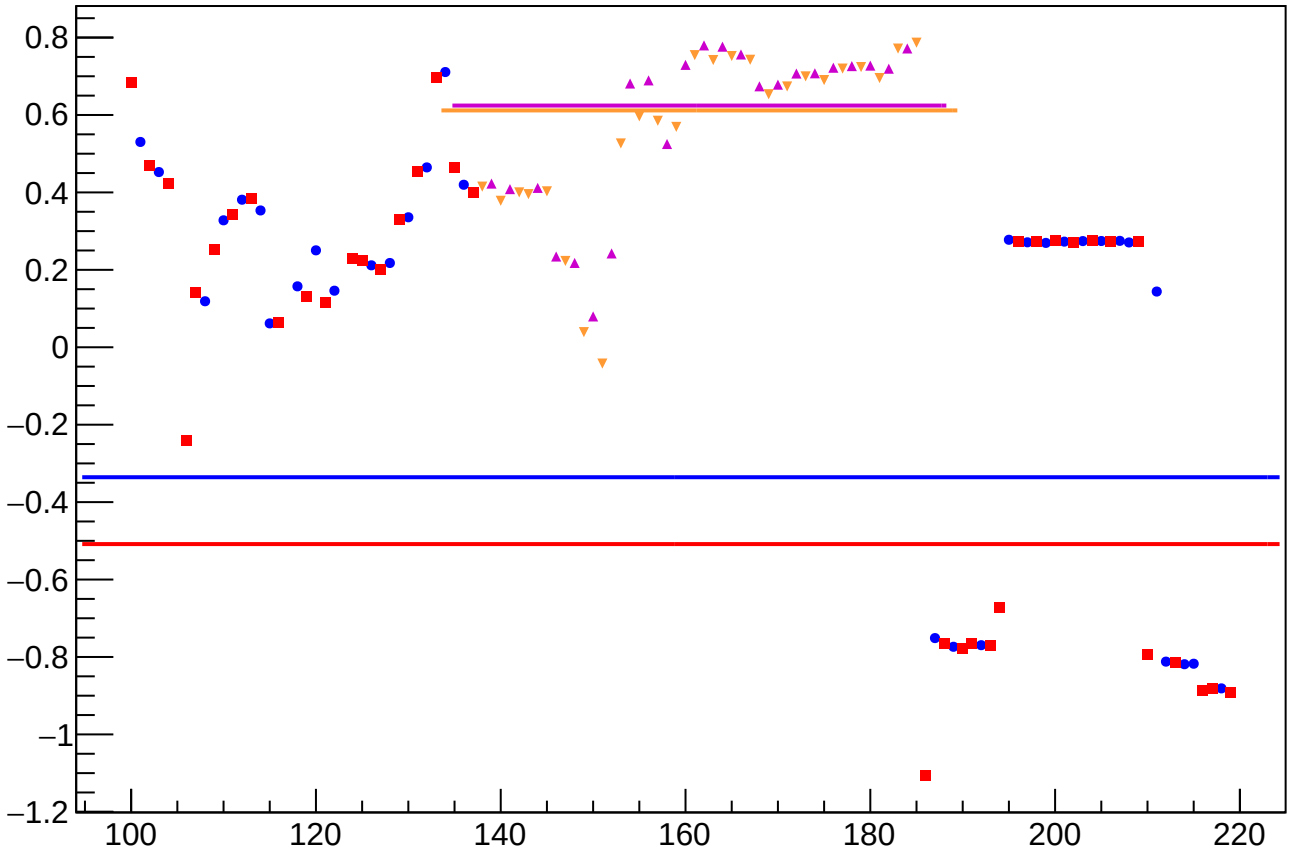
Right: 0.004+/-0.000 χ^2/NDF: 11530165.0/68

In: 0.004+/-0.000 χ^2/NDF:7786892.3/54

Out: 0.004+/-0.000 χ^2/NDF:7088987.3/61

All: 0.004+/-0.000 χ^2/NDF: 14893547.8/116

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.336+/-0.000 χ^2/NDF: 531803943037.0/31

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.508+/-0.000 χ^2/NDF: 665363346548.6/36

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

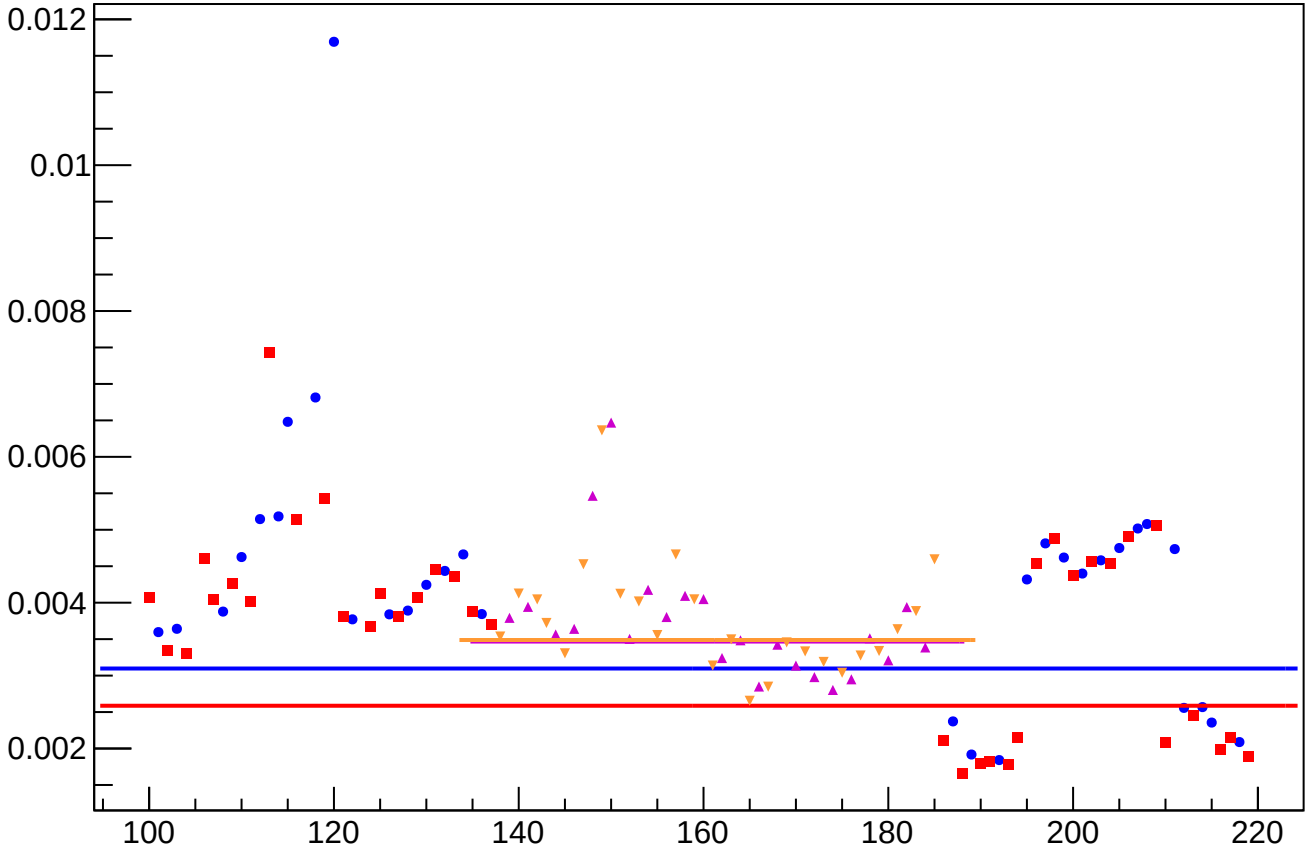
Right: -0.439+/-0.000 χ^2/NDF: 1227279372399.1/6

In: 0.076+/-0.000 χ^2/NDF:1239670356805.7/54

Out: -0.122+/-0.000 χ^2/NDF:1795330621802.4/61

All: -0.036+/-0.000 χ^2/NDF: 3100176386933

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4862907.7/31

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5961545.7/36

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

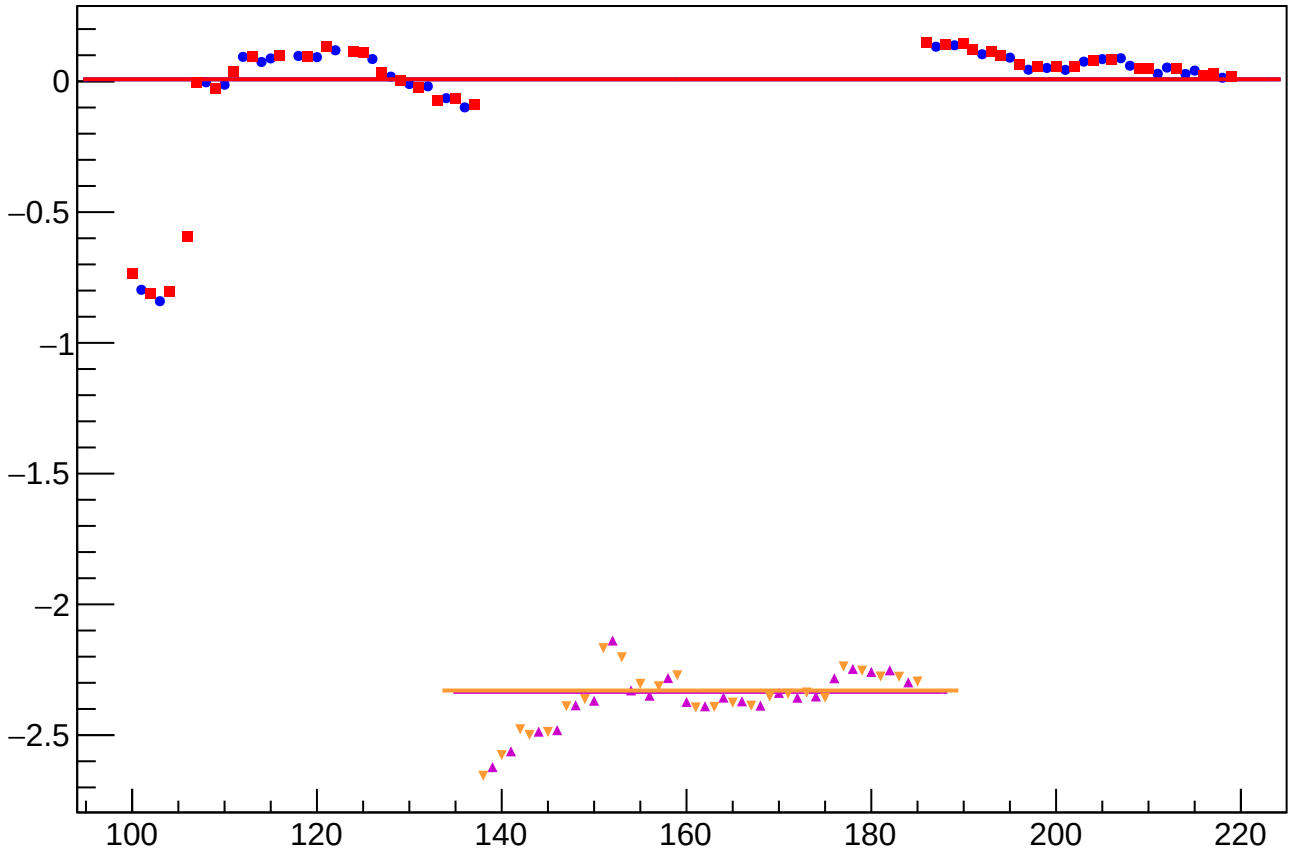
Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

Right: 0.003+/-0.000 χ^2/NDF: 11350960.9/68

In: 0.003+/-0.000 χ^2/NDF:5954936.6/54

Out: 0.003+/-0.000 χ^2/NDF:8216566.8/61

All: 0.003+/-0.000 χ^2/NDF: 14599368.6/116



Right In: 0.008+/-0.000 χ^2/NDF: 6576767917.1/31

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7841646323.4/36

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

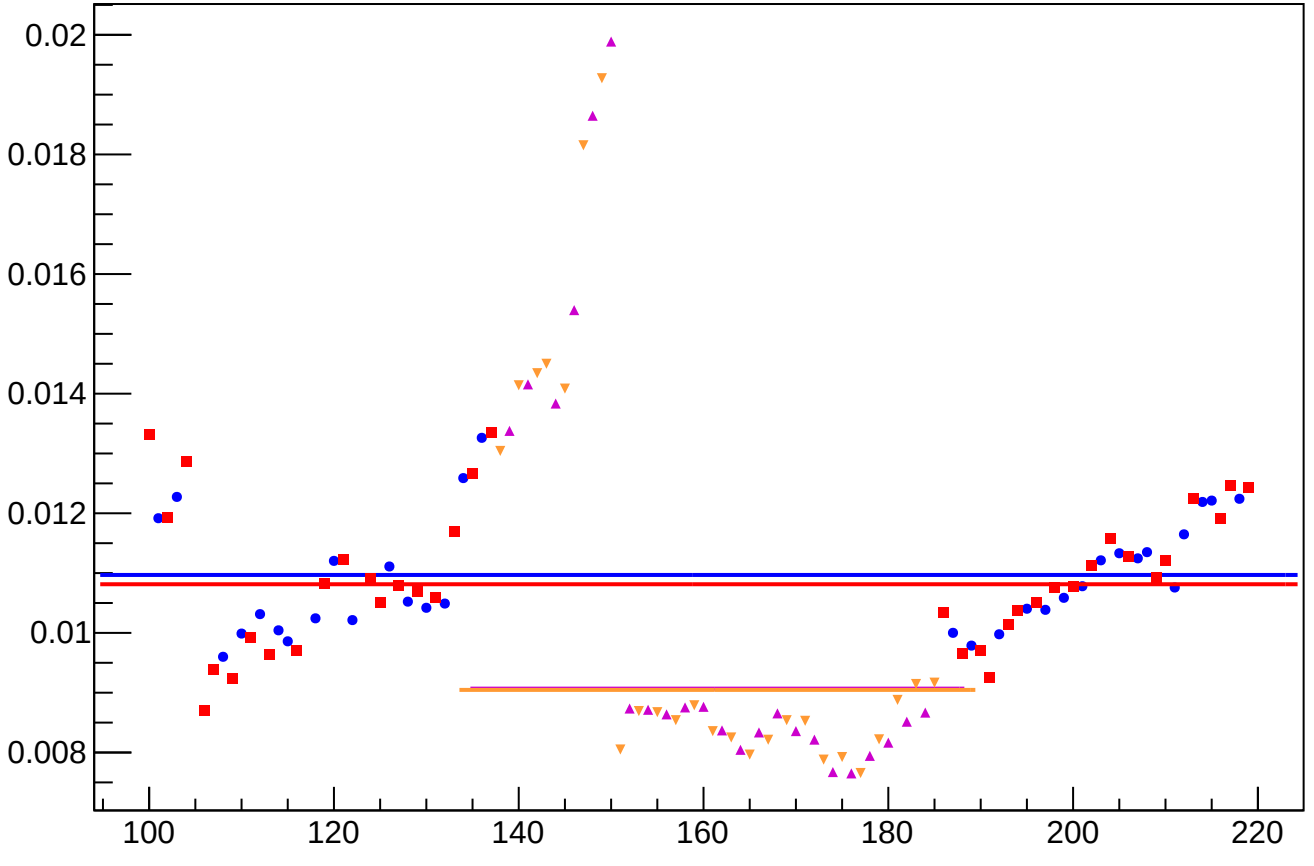
Right: 0.008+/-0.000 χ^2/NDF: 14418421144.7/68

In: -1.299+/-0.000 χ^2/NDF:514607188765.6/54

Out: -1.280+/-0.000 χ^2/NDF:554907628747.7/61

All: -1.289+/-0.000 χ^2/NDF: 1069583789873

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 256074.9/31

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 370148.3/36

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

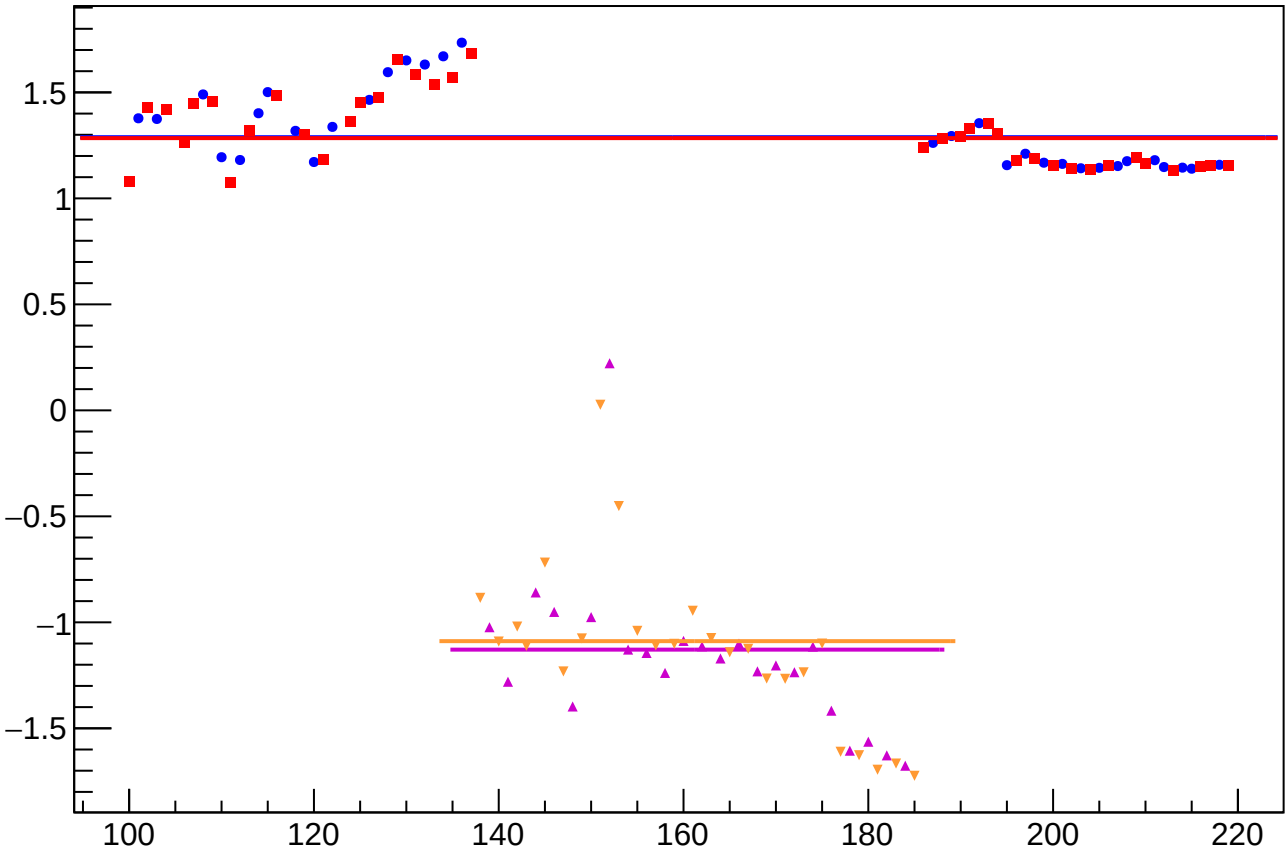
Right: 0.011+/-0.000 χ^2/NDF: 630398.4/68

In: 0.010+/-0.000 χ^2/NDF:3057129.0/54

Out: 0.010+/-0.000 χ^2/NDF:3041568.3/61

All: 0.010+/-0.000 χ^2/NDF: 6100523.2/116

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.289+/-0.000 χ^2/NDF: 9709213494.1/31

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.284+/-0.000 χ^2/NDF: 7729288621.8/36

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

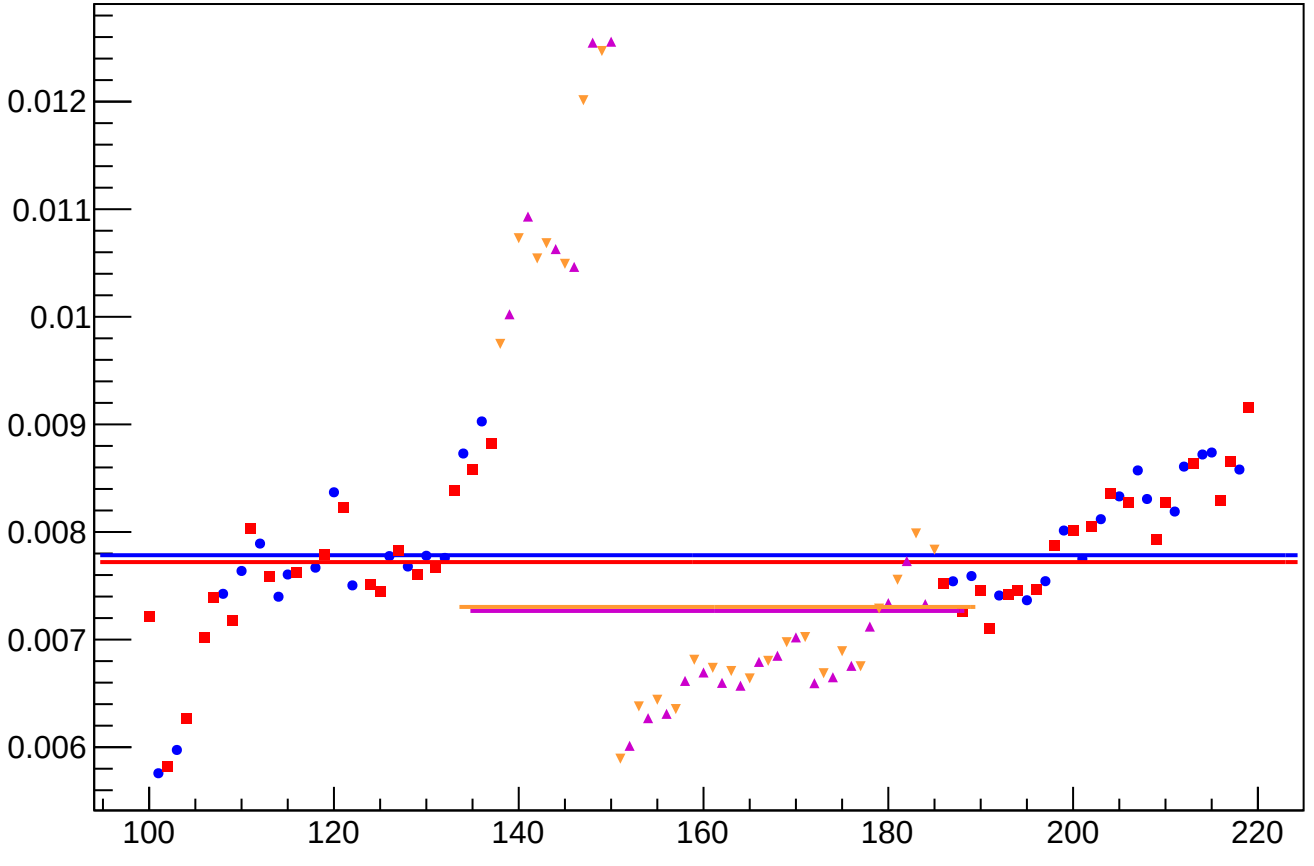
Right: 1.286+/-0.000 χ^2/NDF: 17441726808.9/68

In: 0.074+/-0.000 χ^2/NDF:1030382993066.7/54

Out: 0.115+/-0.000 χ^2/NDF:1058077212471.1/61

All: 0.095+/-0.000 χ^2/NDF: 2089026001620.

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 444429.8/31

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 379096.9/36

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

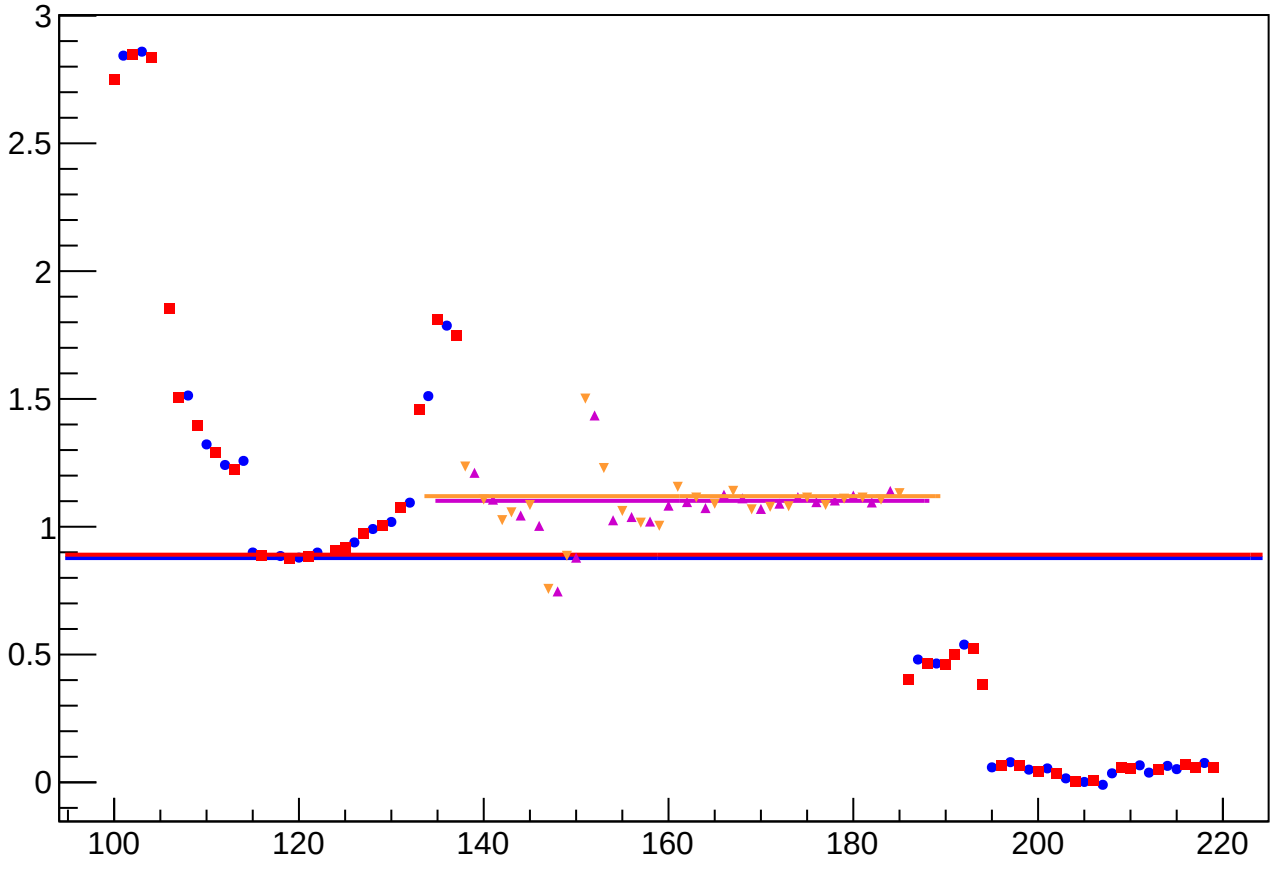
Right: 0.008+/-0.000 χ^2/NDF: 824918.6/68

In: 0.008+/-0.000 χ^2/NDF:2092833.6/54

Out: 0.008+/-0.000 χ^2/NDF:1944238.1/61

All: 0.008+/-0.000 χ^2/NDF: 4037127.0/116

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 0.877+/-0.000 χ^2/NDF: 161234060064.7/31

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 0.891+/-0.000 χ^2/NDF: 158683317902.1/36

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

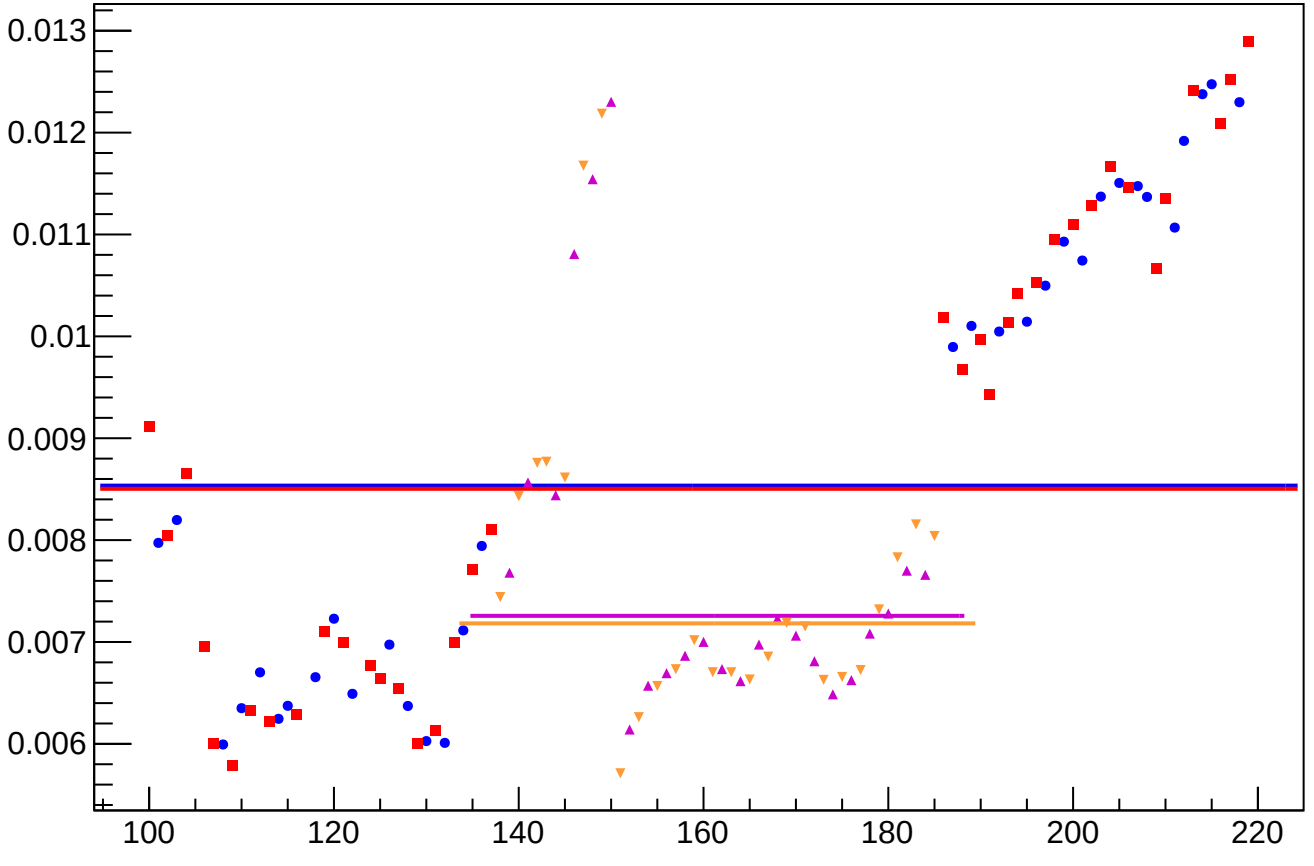
Right: 0.884+/-0.000 χ^2/NDF: 319941119001.5/68

In: 1.004+/-0.000 χ^2/NDF:172714051900.3/54

Out: 1.020+/-0.000 χ^2/NDF:172364858637.3/61

All: 1.012+/-0.000 χ^2/NDF: 345160157876.5

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 2613373.7/31

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2847572.2/36

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

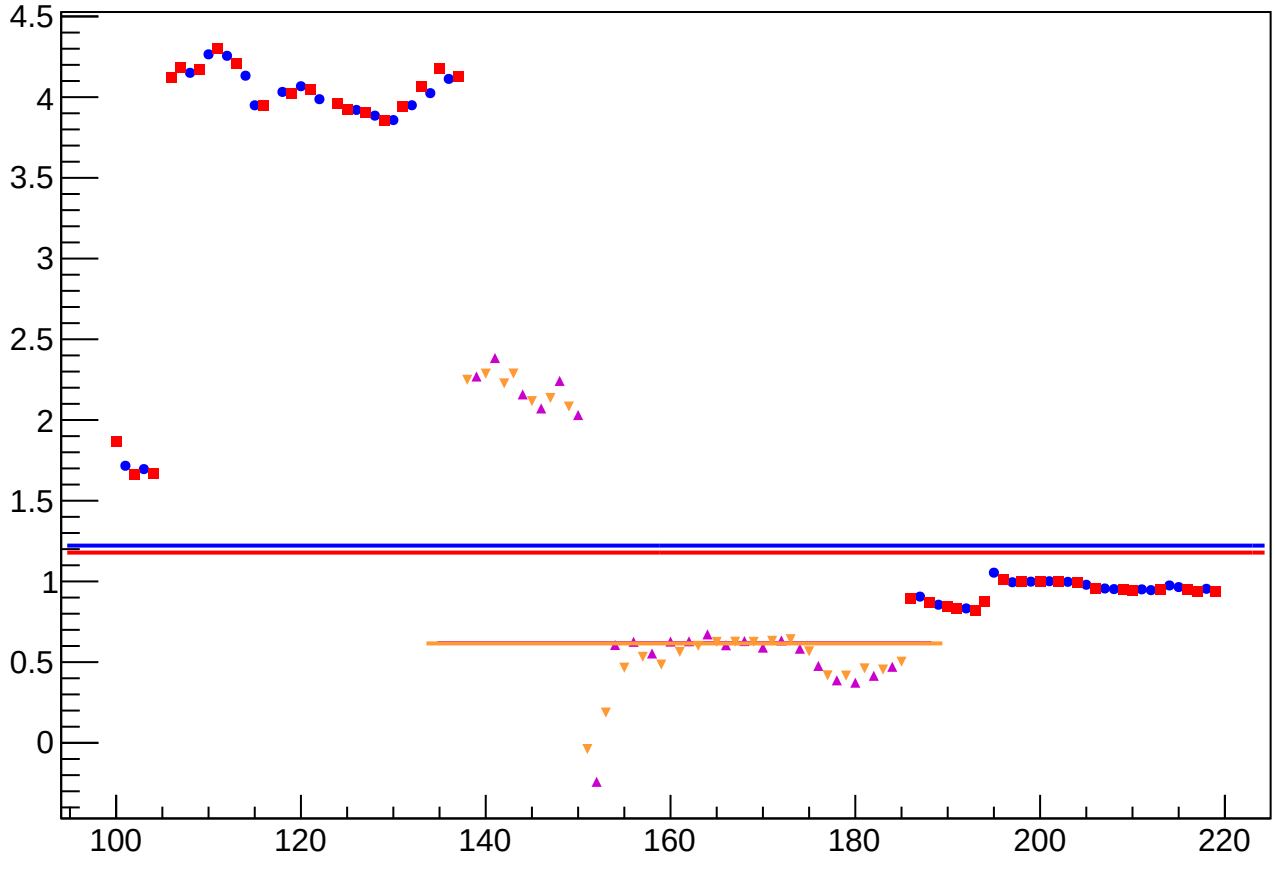
Right: 0.009+/-0.000 χ^2/NDF: 5461203.4/68

In: 0.008+/-0.000 χ^2/NDF:4004157.3/54

Out: 0.008+/-0.000 χ^2/NDF:4285435.9/61

All: 0.008+/-0.000 χ^2/NDF: 8291530.5/116

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.222+/-0.000 χ^2/NDF: 1646872844092.7/31

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.179+/-0.000 χ^2/NDF: 1813031691916.1/36

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

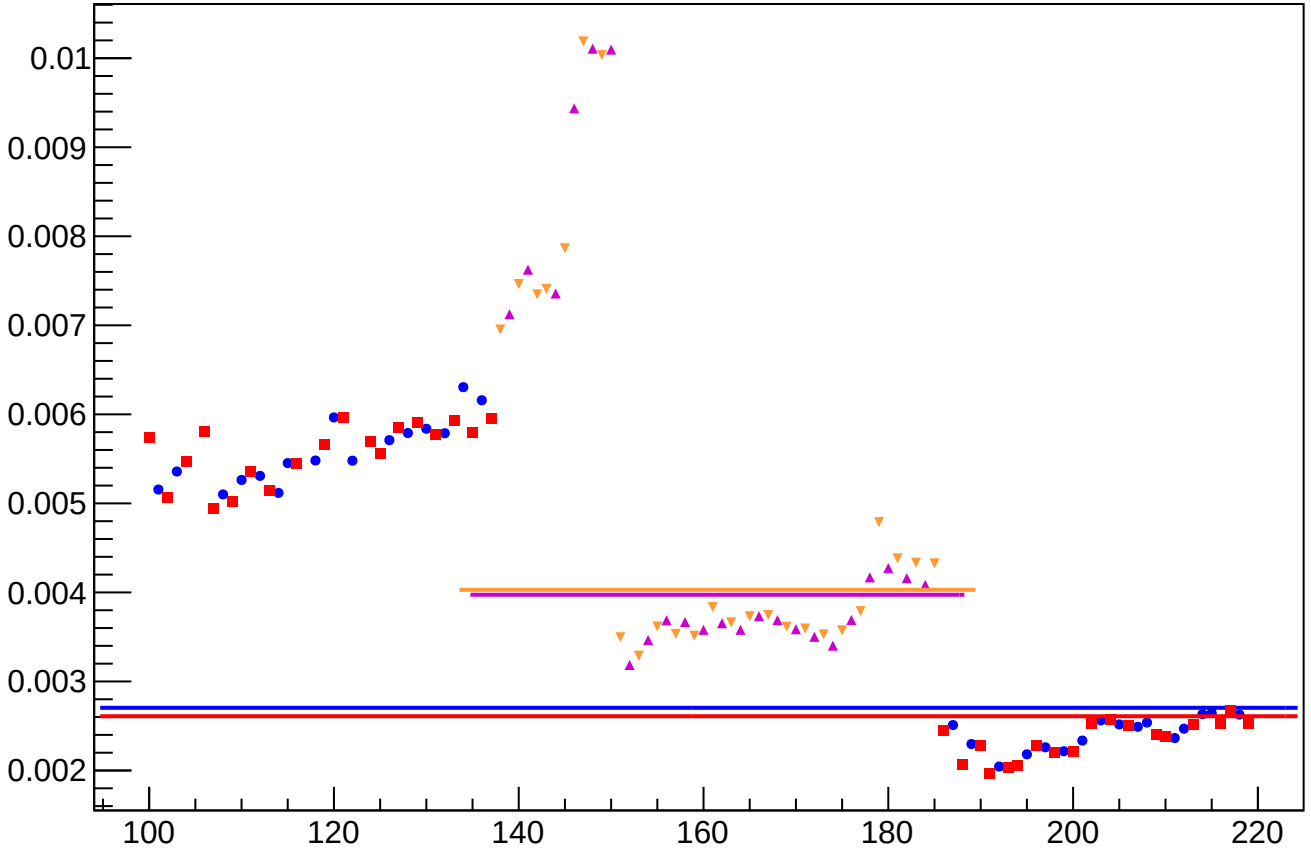
Right: 1.199+/-0.000 χ^2/NDF: 3462227144076.4/68

In: 1.037+/-0.000 χ^2/NDF:2160456385811.9/54

Out: 1.018+/-0.000 χ^2/NDF:2304074339273.0/61

All: 1.027+/-0.000 χ^2/NDF: 4465109750945.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4427523.5/31

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4716923.2/36

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

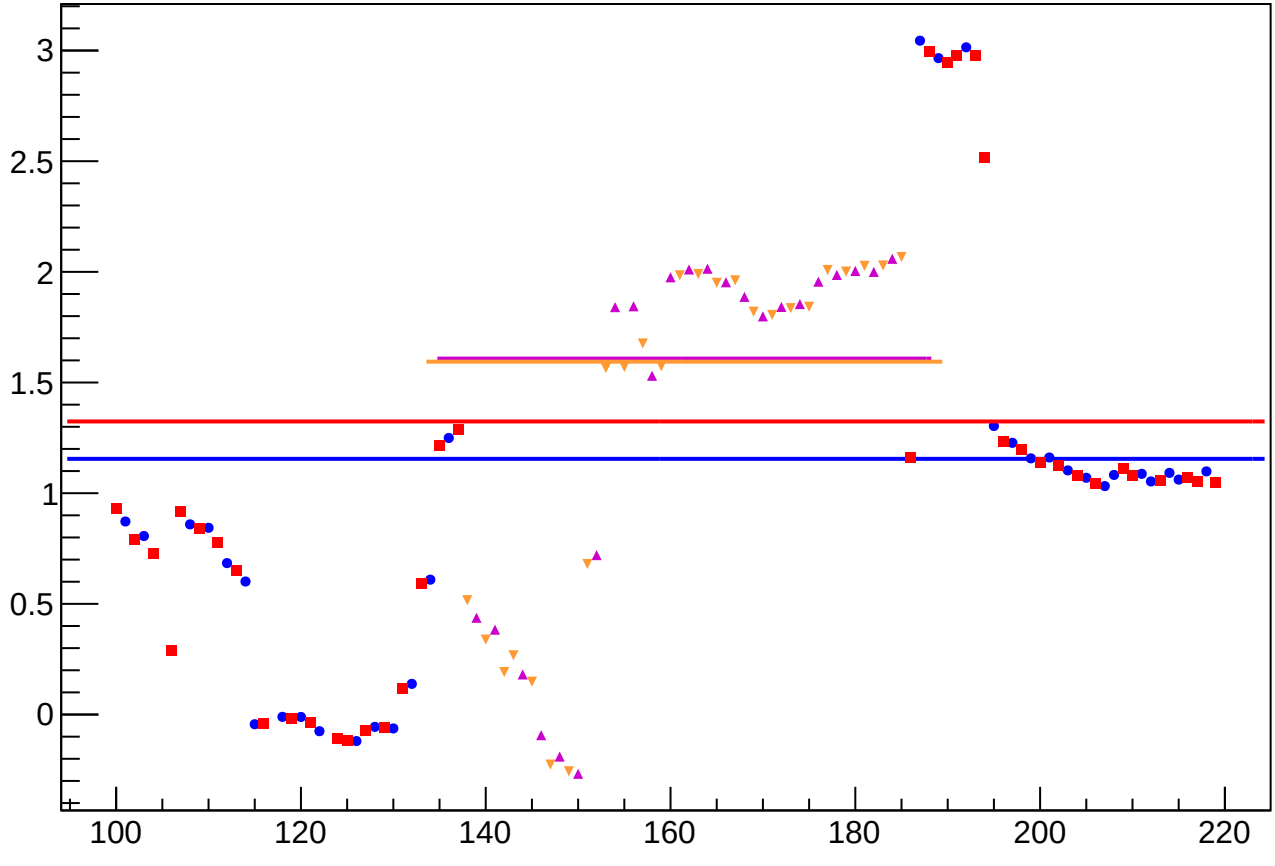
Right: 0.003+/-0.000 χ^2/NDF: 9166673.5/68

In: 0.003+/-0.000 χ^2/NDF:9844182.6/54

Out: 0.003+/-0.000 χ^2/NDF:10728433.3/61

All: 0.003+/-0.000 χ^2/NDF: 20595345.2/116

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.155+/-0.000 χ^2/NDF: 77927598087.5/31

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.324+/-0.000 χ^2/NDF: 107823288008.4/36

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

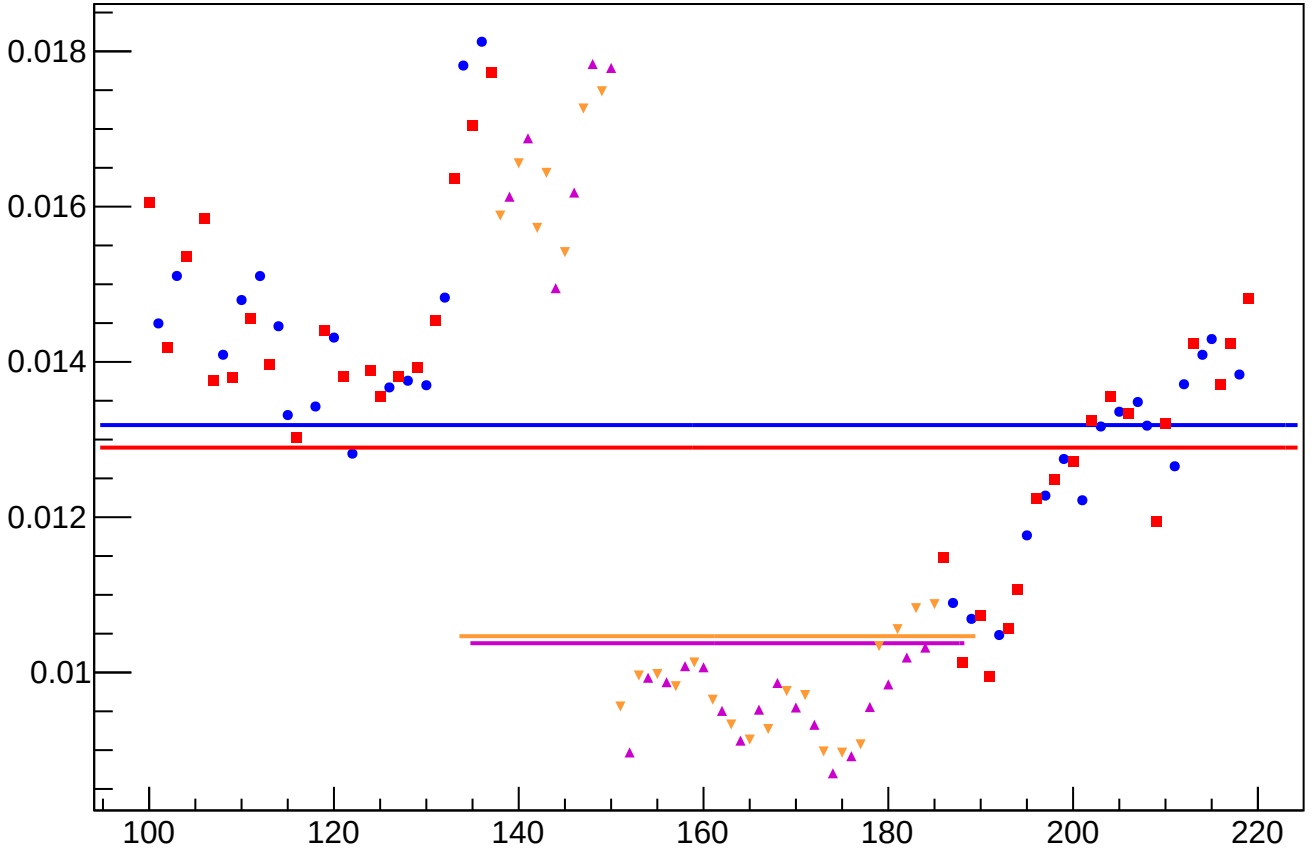
Right: 1.244+/-0.000 χ^2/NDF: 187446213940.3/68

In: 1.421+/-0.000 χ^2/NDF:157940866055.6/54

Out: 1.478+/-0.000 χ^2/NDF:175671198126.2/61

All: 1.451+/-0.000 χ^2/NDF: 334079982154.2

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 535801.1/31

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 688750.6/36

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

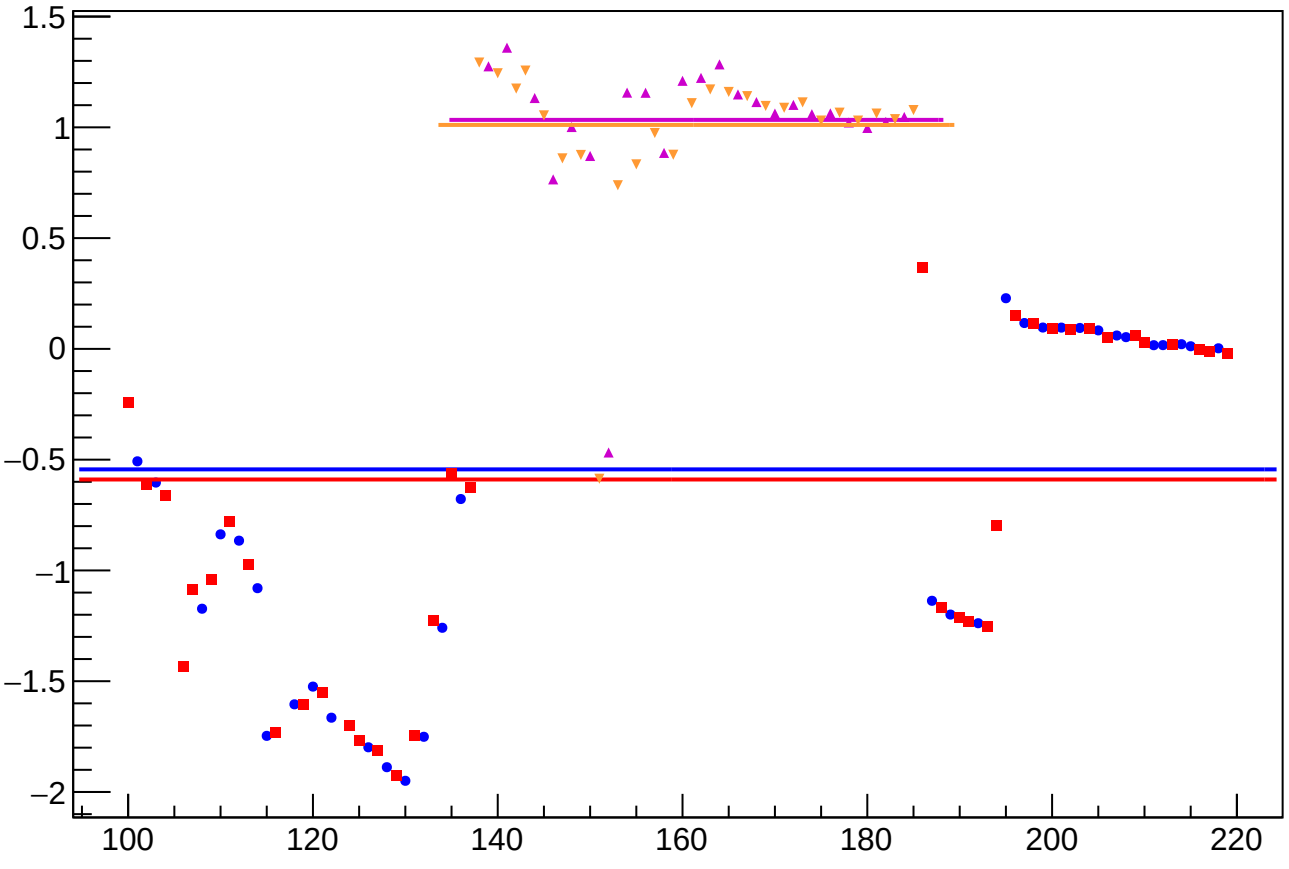
Right: 0.013+/-0.000 χ^2/NDF: 1234547.6/68

In: 0.012+/-0.000 χ^2/NDF:3294157.2/54

Out: 0.012+/-0.000 χ^2/NDF:3193682.8/61

All: 0.012+/-0.000 χ^2/NDF: 6488084.5/116

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.544+/-0.000 χ^2/NDF: 218203663121.3/31

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.590+/-0.000 χ^2/NDF: 210204752852.4/36

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

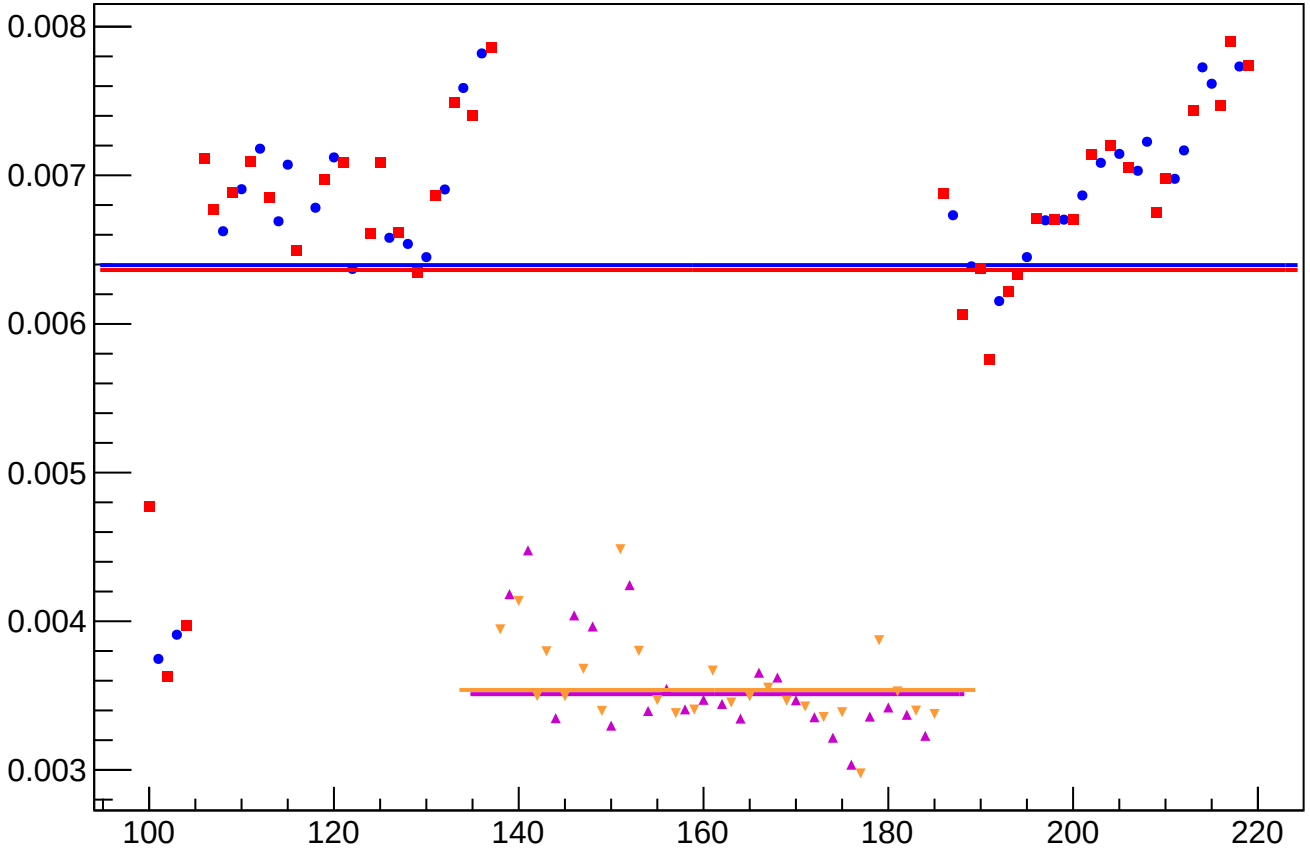
Right: -0.568+/-0.000 χ^2/NDF: 428899035026.5/68

In: 0.635+/-0.000 χ^2/NDF:1188799141742.9/54

Out: 0.598+/-0.000 χ^2/NDF:1250015439445.1/61

All: 0.616+/-0.000 χ^2/NDF: 2440110283960.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1416723.4/31

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1460810.8/36

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

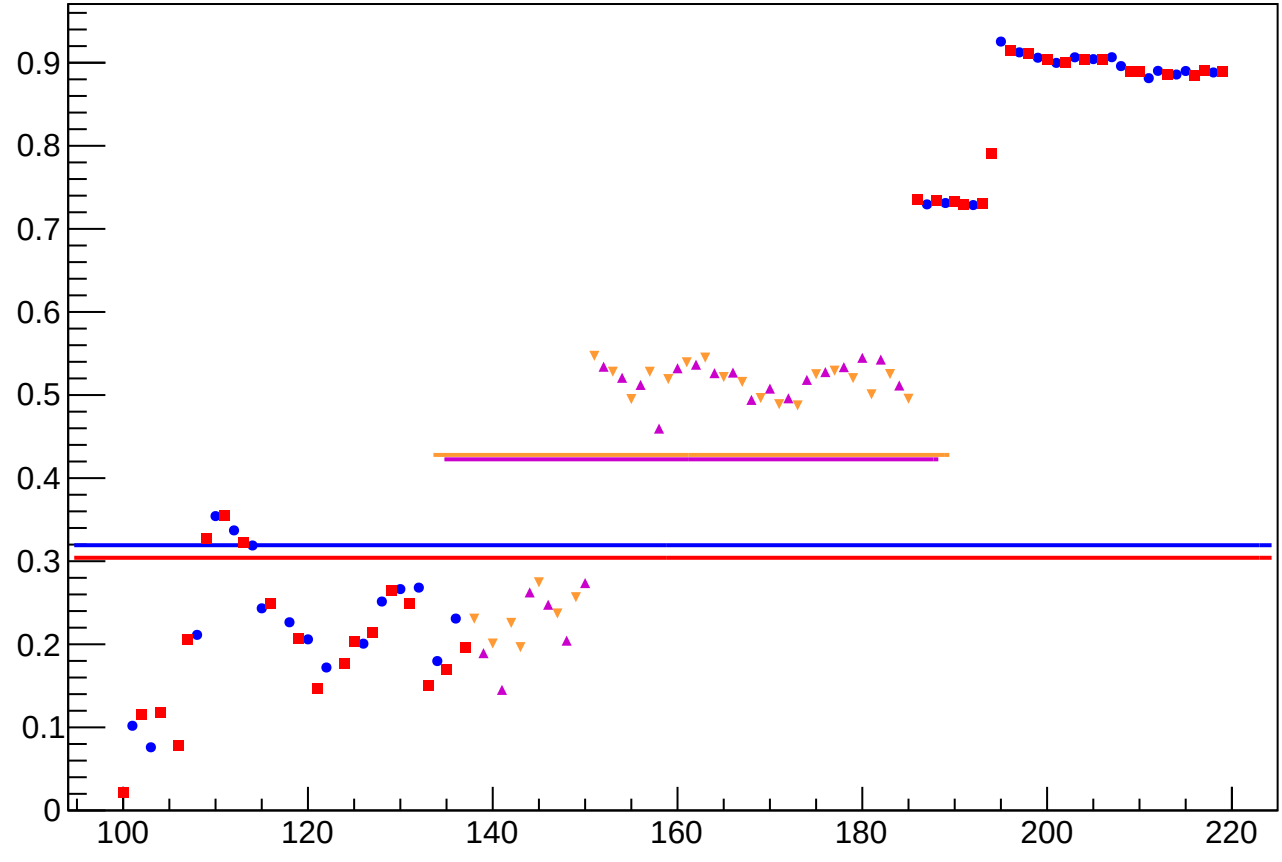
Right: 0.006+/-0.000 χ^2/NDF: 2878047.6/68

In: 0.004+/-0.000 χ^2/NDF:7360901.3/54

Out: 0.004+/-0.000 χ^2/NDF:7463615.0/61

All: 0.004+/-0.000 χ^2/NDF: 14826026.4/116

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.319+/-0.000 χ^2/NDF: 247993276061.7/31

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.304+/-0.000 χ^2/NDF: 269881323533.4/36

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

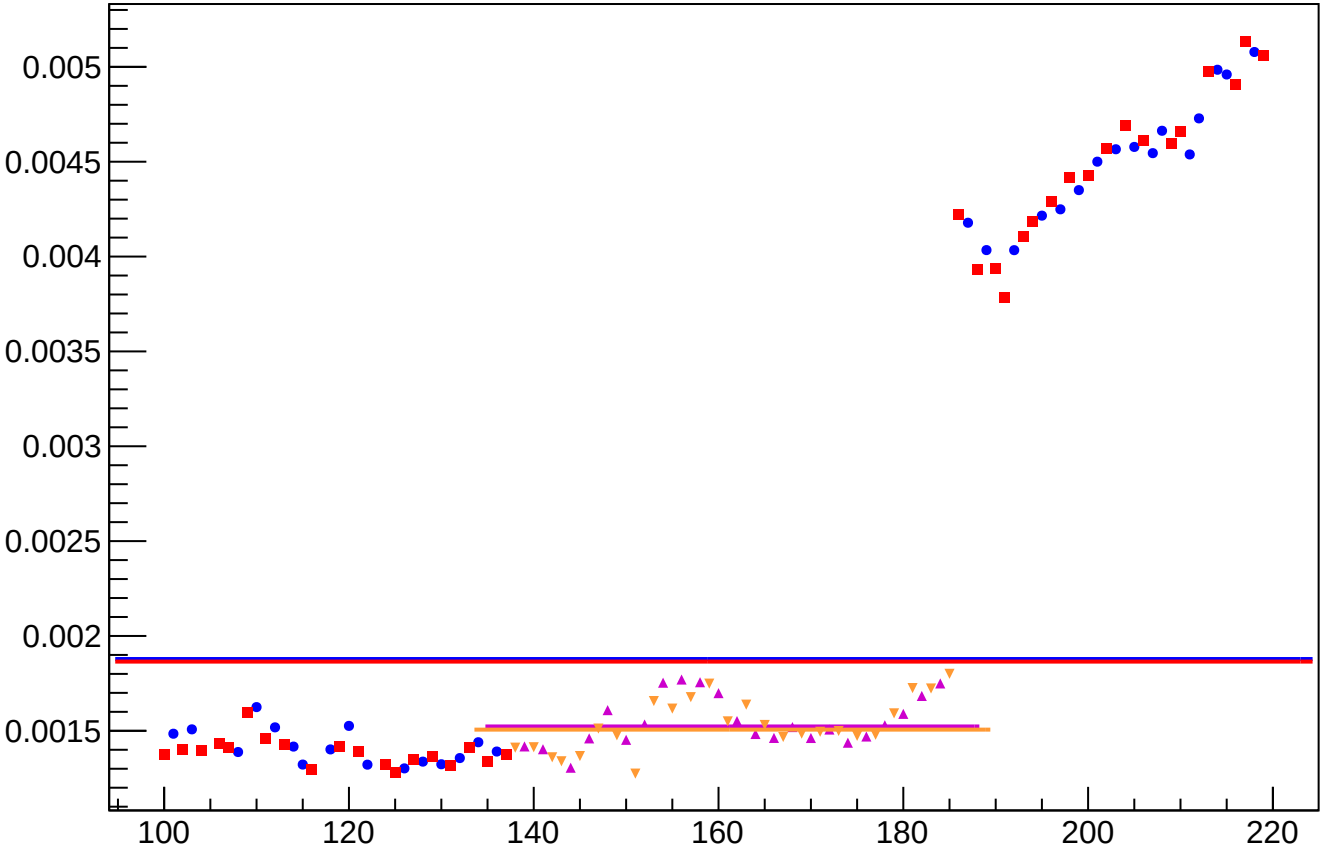
Right: 0.311+/-0.000 χ^2/NDF: 518366792487.0/68

In: 0.387+/-0.000 χ^2/NDF:434960262470.3/54

Out: 0.385+/-0.000 χ^2/NDF:468519946992.9/61

All: 0.386+/-0.000 χ^2/NDF: 903500526052.0

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 10422161.9/31

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11307360.4/36

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

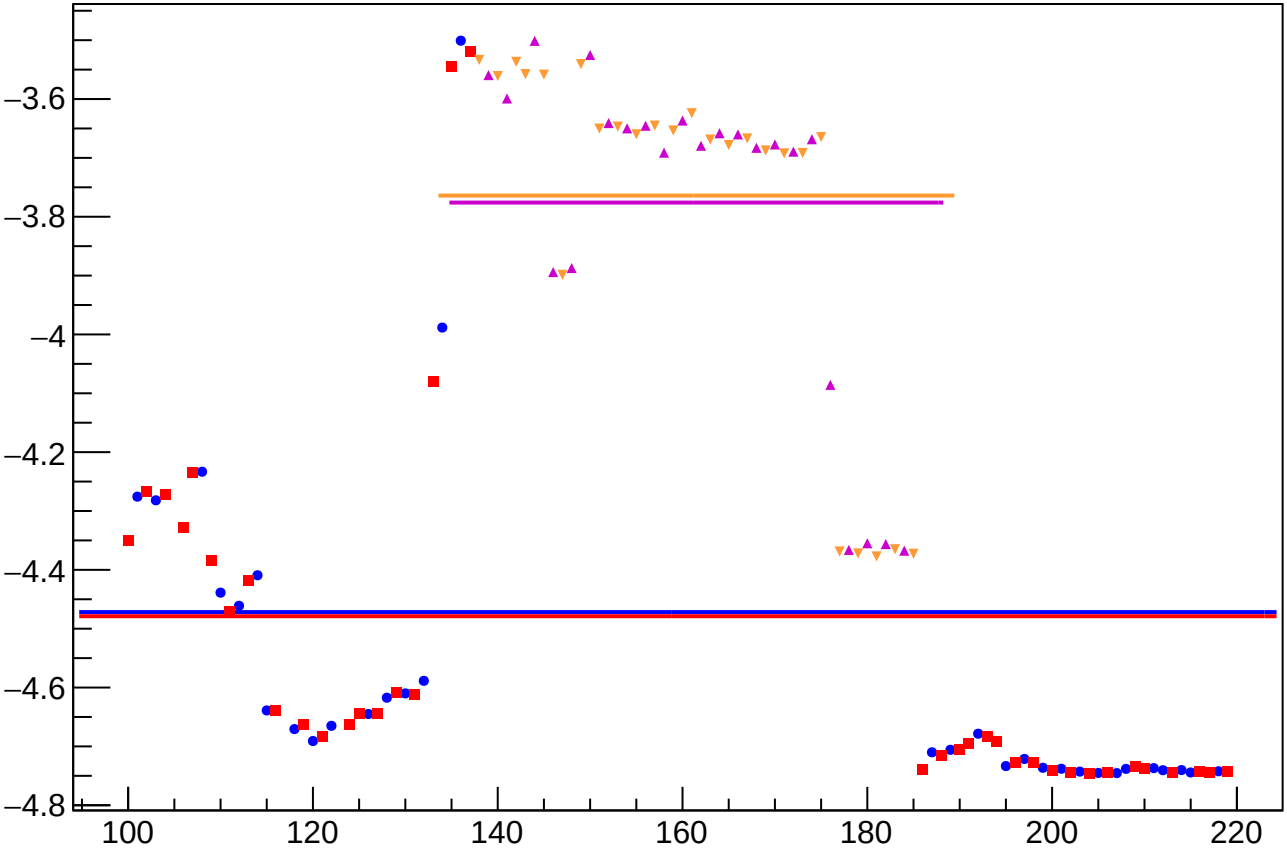
Right: 0.002+/-0.000 χ^2/NDF: 21730311.6/68

In: 0.002+/-0.000 χ^2/NDF:11339013.1/54

Out: 0.002+/-0.000 χ^2/NDF:12338463.0/61

All: 0.002+/-0.000 χ^2/NDF: 23680475.0/116

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.472+/-0.000 χ^2/NDF: 454084366654.0/31

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.479+/-0.000 χ^2/NDF: 403930252342.3/36

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

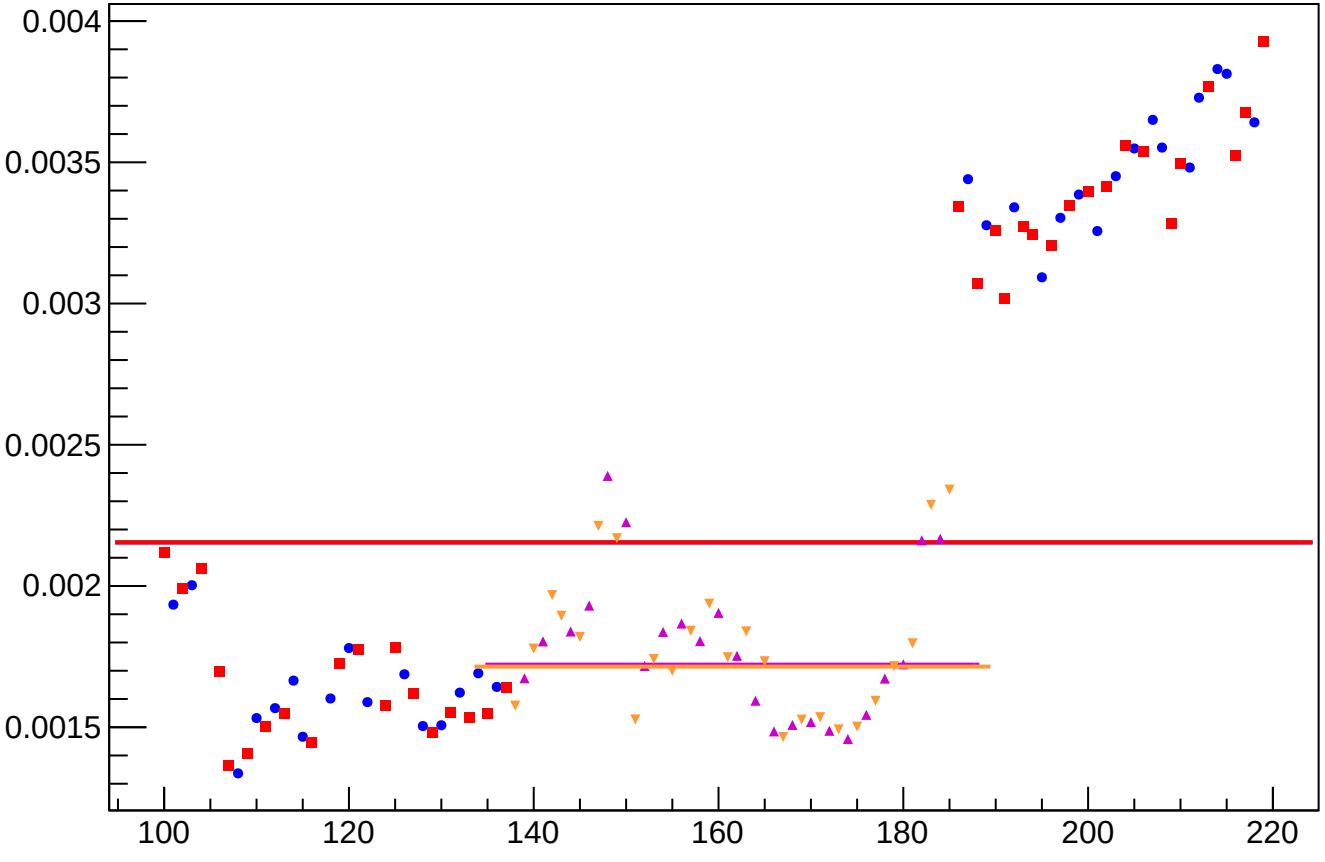
Right: -4.475+/-0.000 χ^2/NDF: 858109218261.1/68

In: -4.042+/-0.000 χ^2/NDF:1955856483721.7/54

Out: -4.039+/-0.000 χ^2/NDF:2127670368646.4/61

All: -4.041+/-0.000 χ^2/NDF: 4083582098509

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5412100.6/31

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5677881.4/36

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

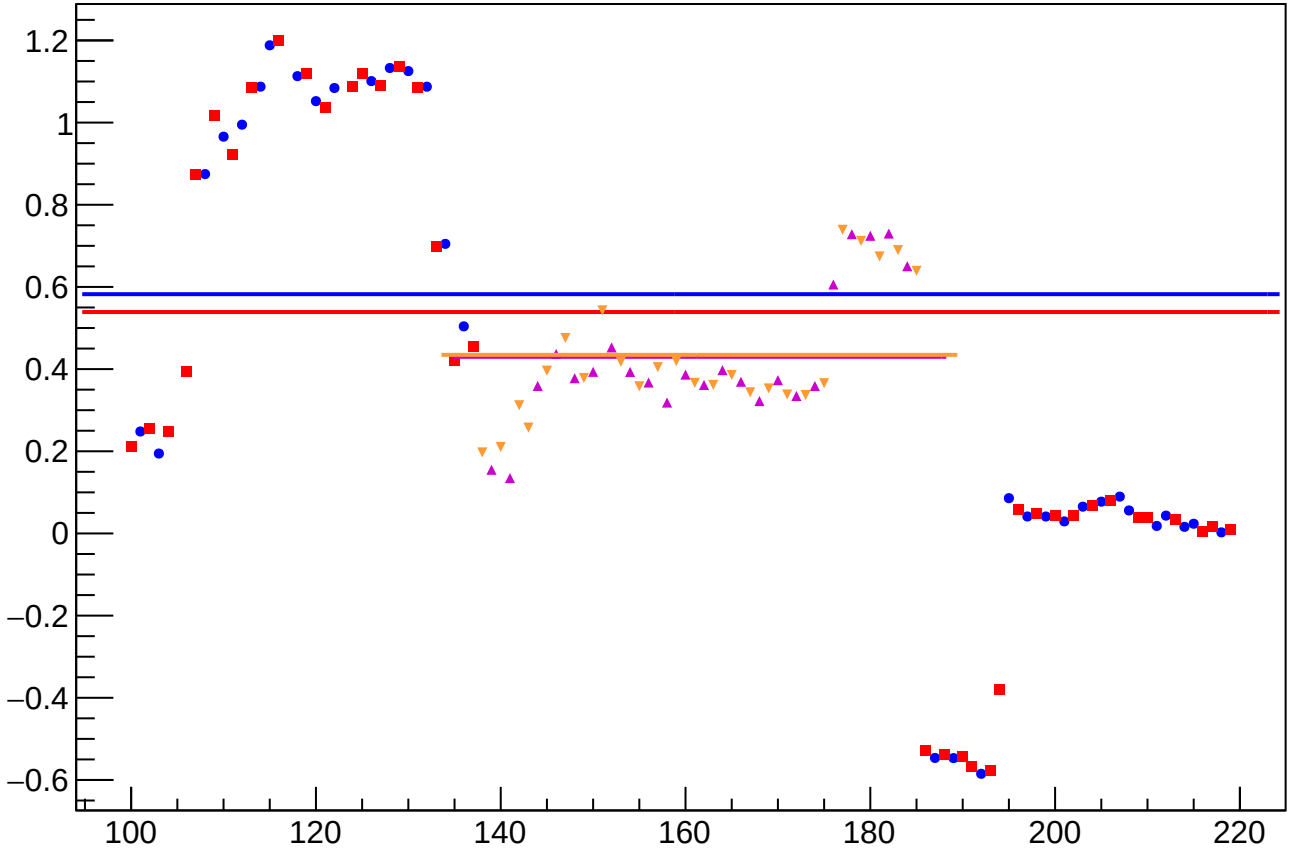
Right: 0.002+/-0.000 χ^2/NDF: 11089983.5/68

In: 0.002+/-0.000 χ^2/NDF:6843087.3/54

Out: 0.002+/-0.000 χ^2/NDF:7180736.1/61

All: 0.002+/-0.000 χ^2/NDF: 14023930.5/116

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.582+/-0.000 χ^2/NDF: 77472552710.7/31

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.539+/-0.000 χ^2/NDF: 96034049389.7/36

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

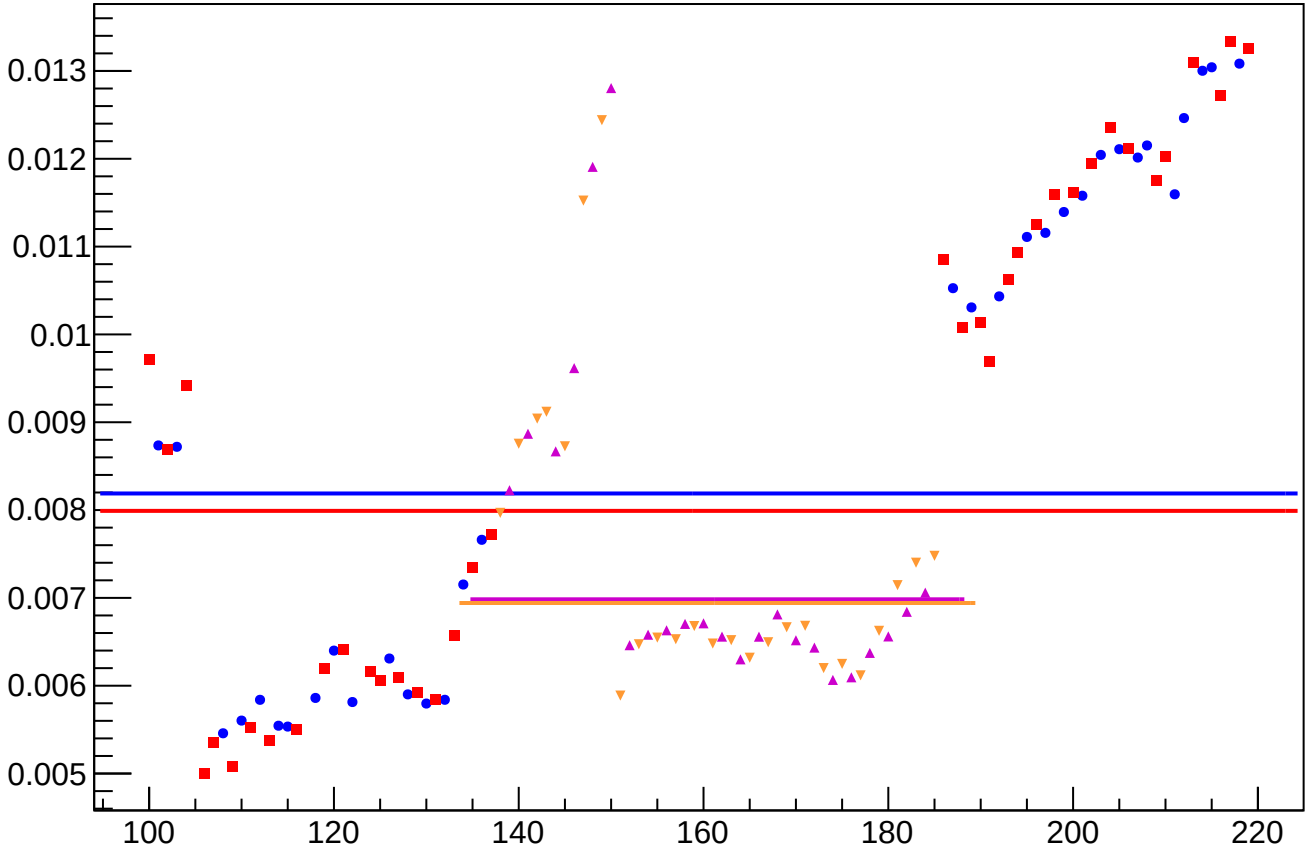
Right: 0.560+/-0.000 χ^2/NDF: 173772874312.3/68

In: 0.495+/-0.000 χ^2/NDF:90099722153.7/54

Out: 0.480+/-0.000 χ^2/NDF:106378079803.8/61

All: 0.487+/-0.000 χ^2/NDF: 196550261653.7

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 4034100.2/31

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4739159.4/36

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

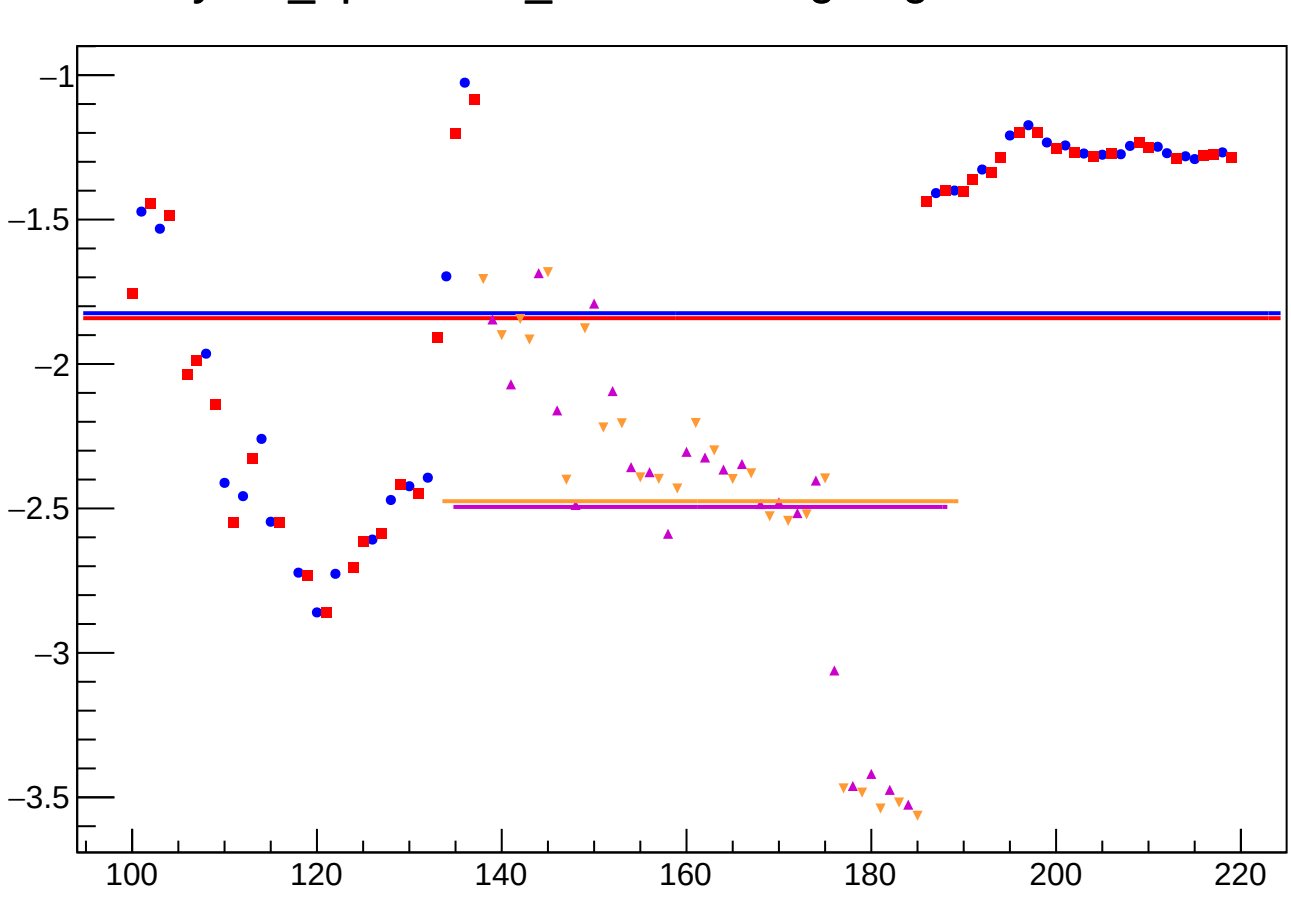
Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

Right: 0.008+/-0.000 χ^2/NDF: 8784349.4/68

In: 0.007+/-0.000 χ^2/NDF:5618678.9/54

Out: 0.007+/-0.000 χ^2/NDF:6200673.4/61

All: 0.007+/-0.000 χ^2/NDF: 11825897.5/116



Right In: -1.824+/-0.000 χ^2/NDF: 123300150078.8/31

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.841+/-0.000 χ^2/NDF: 122134299420.0/36

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

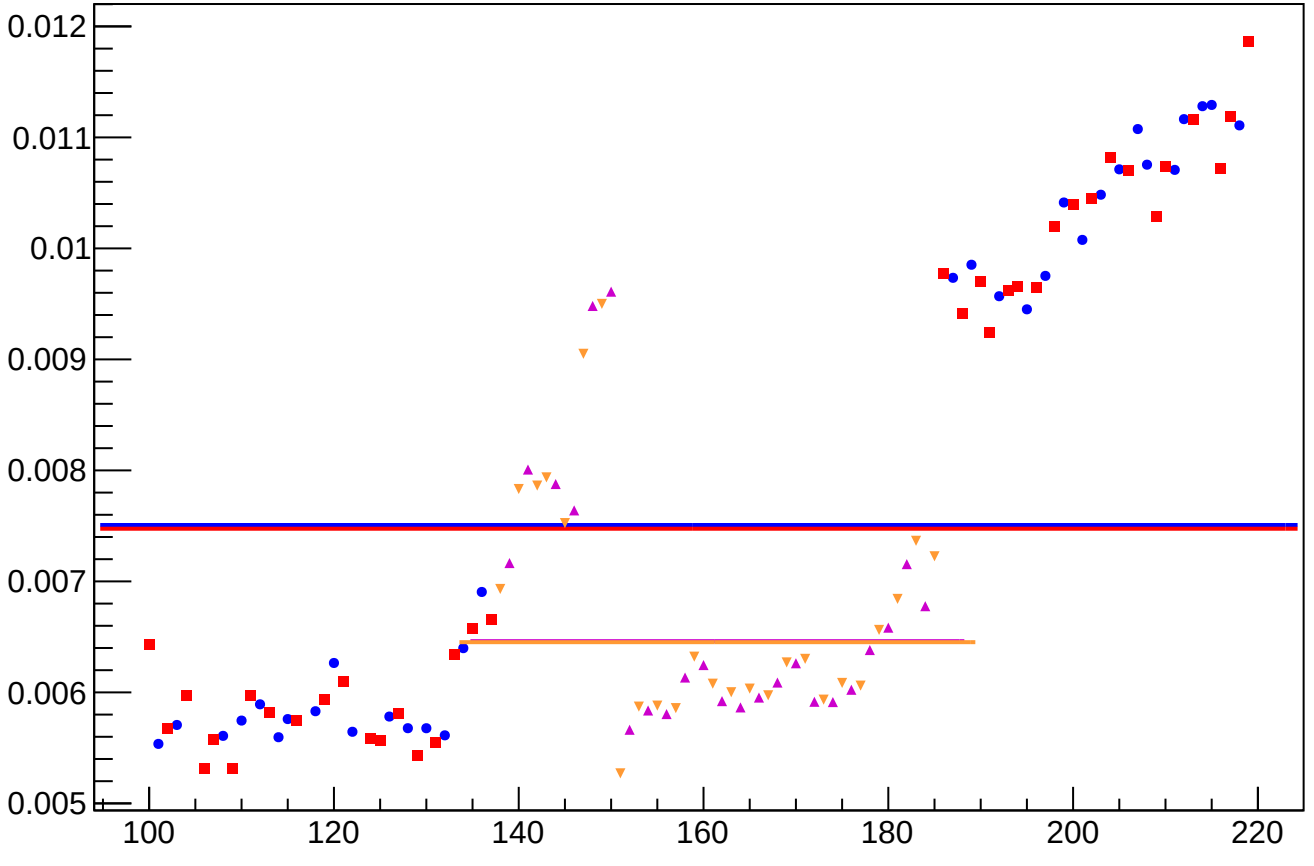
Right: -1.833+/-0.000 χ^2/NDF: 245484678782.9/68

In: -2.205+/-0.000 χ^2/NDF:303631015116.5/54

Out: -2.198+/-0.000 χ^2/NDF:324861635822.9/61

All: -2.201+/-0.000 χ^2/NDF: 628509363057.1

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3330818.2/31

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 3531740.4/36

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

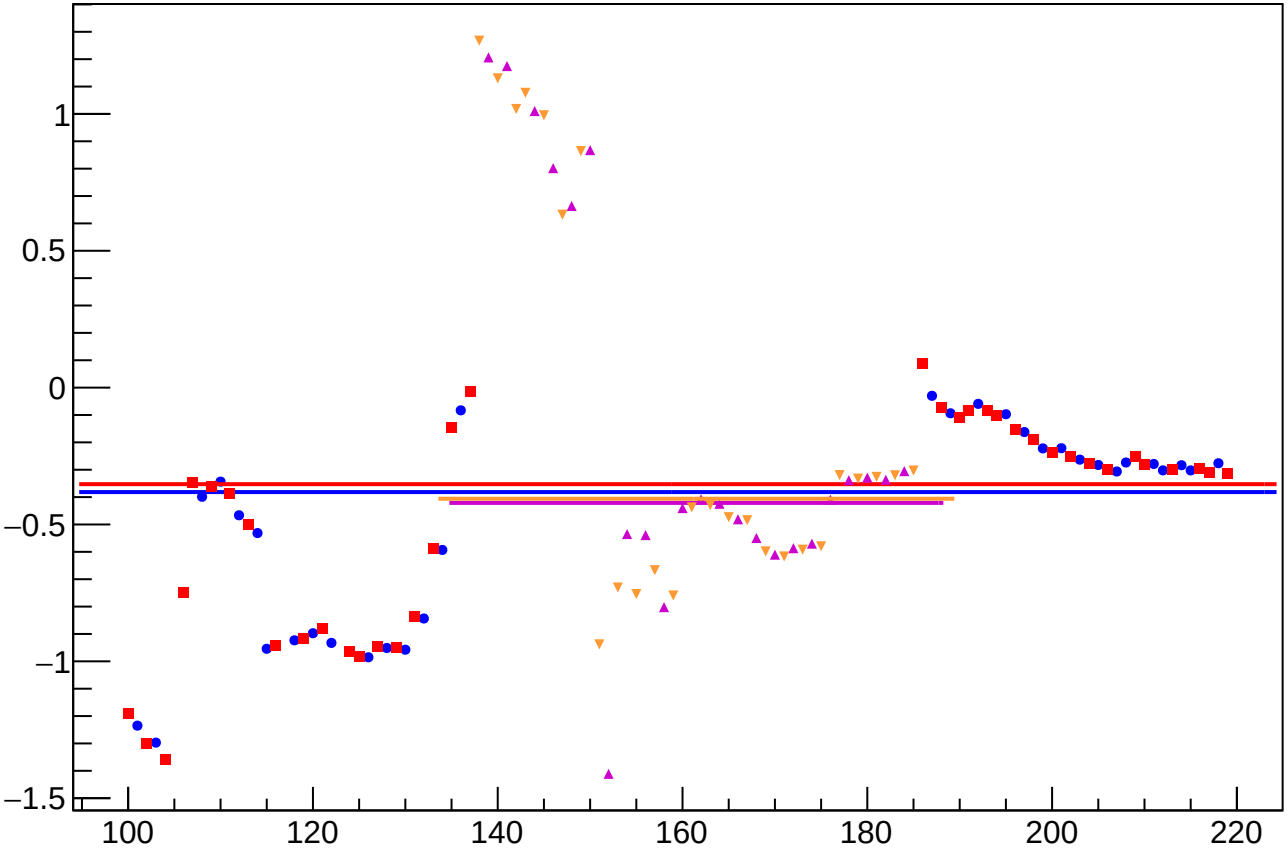
Right: 0.007+/-0.000 χ^2/NDF: 6862942.5/68

In: 0.007+/-0.000 χ^2/NDF:4458457.0/54

Out: 0.007+/-0.000 χ^2/NDF:4660101.5/61

All: 0.007+/-0.000 χ^2/NDF: 9118741.0/116

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.382+/-0.000 χ^2/NDF: 24777199595.3/31

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.353+/-0.000 χ^2/NDF: 27377182395.5/36

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

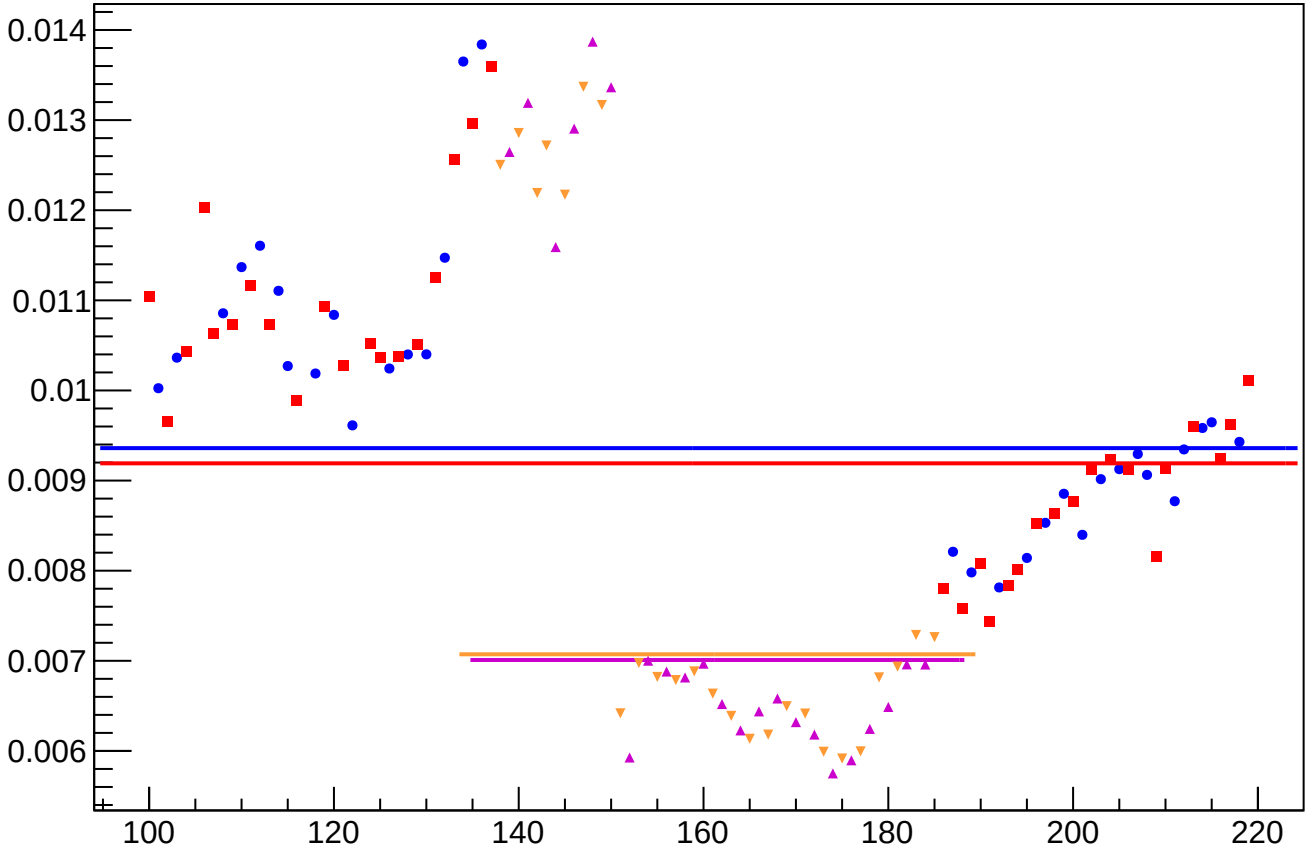
Right: -0.366+/-0.000 χ^2/NDF: 52251563924.1/68

In: -0.406+/-0.000 χ^2/NDF:115229863493.3/54

Out: -0.384+/-0.000 χ^2/NDF:109421677996.1/61

All: -0.395+/-0.000 χ^2/NDF: 224783702888.4

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 638647.6/31

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.009+/-0.000 χ^2/NDF: 722612.9/36

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

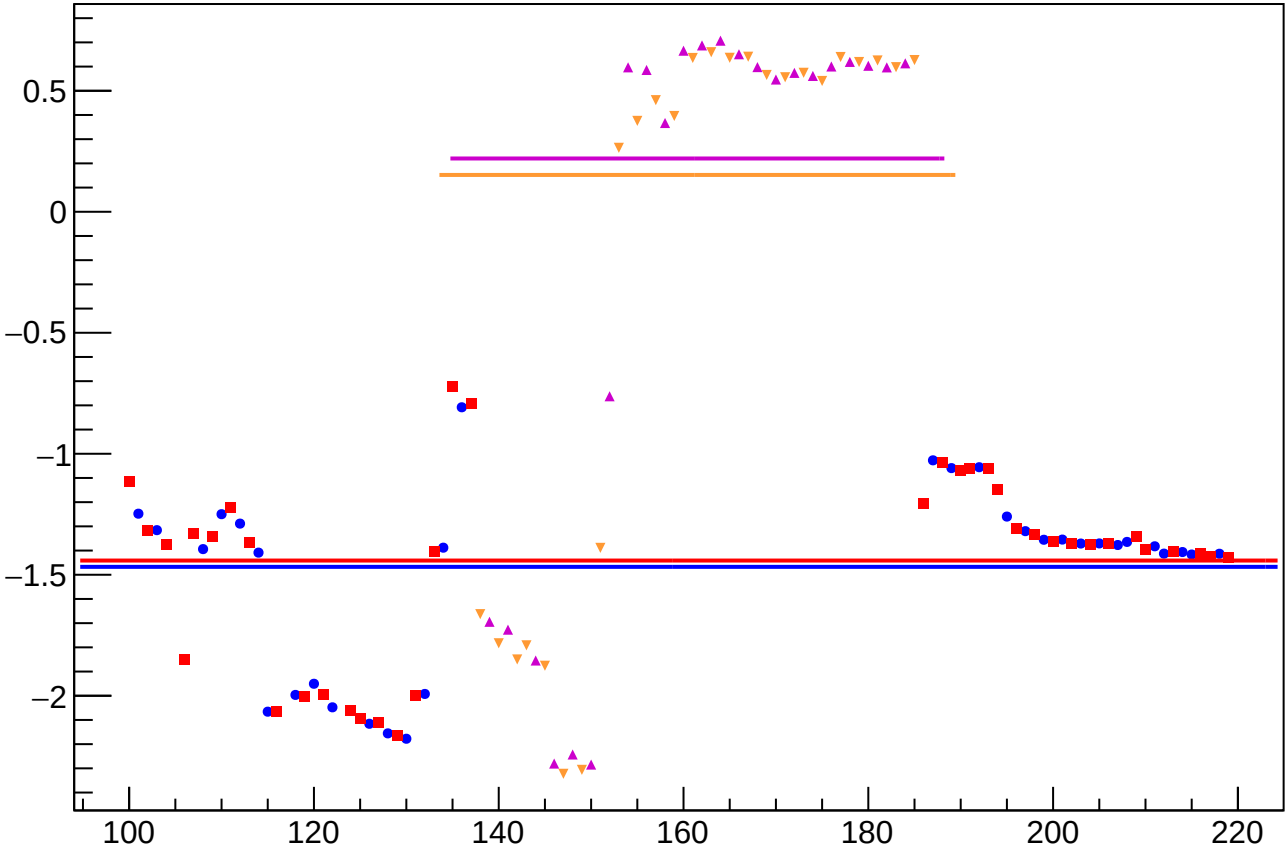
Right: 0.009+/-0.000 χ^2/NDF: 1367903.9/68

In: 0.008+/-0.000 χ^2/NDF:4585075.8/54

Out: 0.008+/-0.000 χ^2/NDF:4410311.5/61

All: 0.008+/-0.000 χ^2/NDF: 8995387.3/116

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.467+/-0.000 χ^2/NDF: 183983160727.5/31

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.441+/-0.000 χ^2/NDF: 172718514427.3/36

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

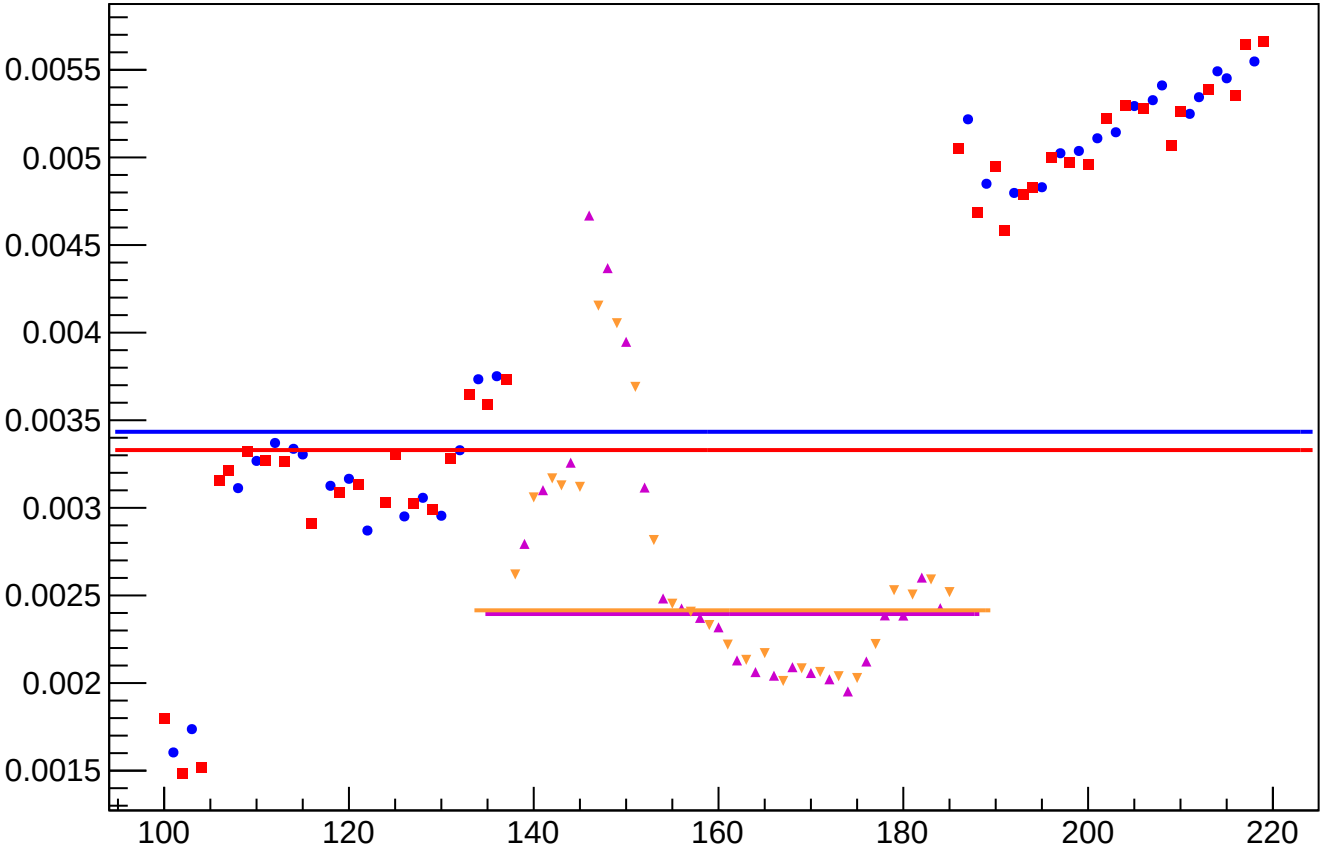
Right: -1.454+/-0.000 χ^2/NDF: 357199742961.2/68

In: -0.343+/-0.000 χ^2/NDF:4955415322310.1/54

Out: -0.397+/-0.000 χ^2/NDF:5134070128108.6/61

All: -0.371+/-0.000 χ^2/NDF: 1009587883577

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5520013.7/31

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6657035.9/36

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

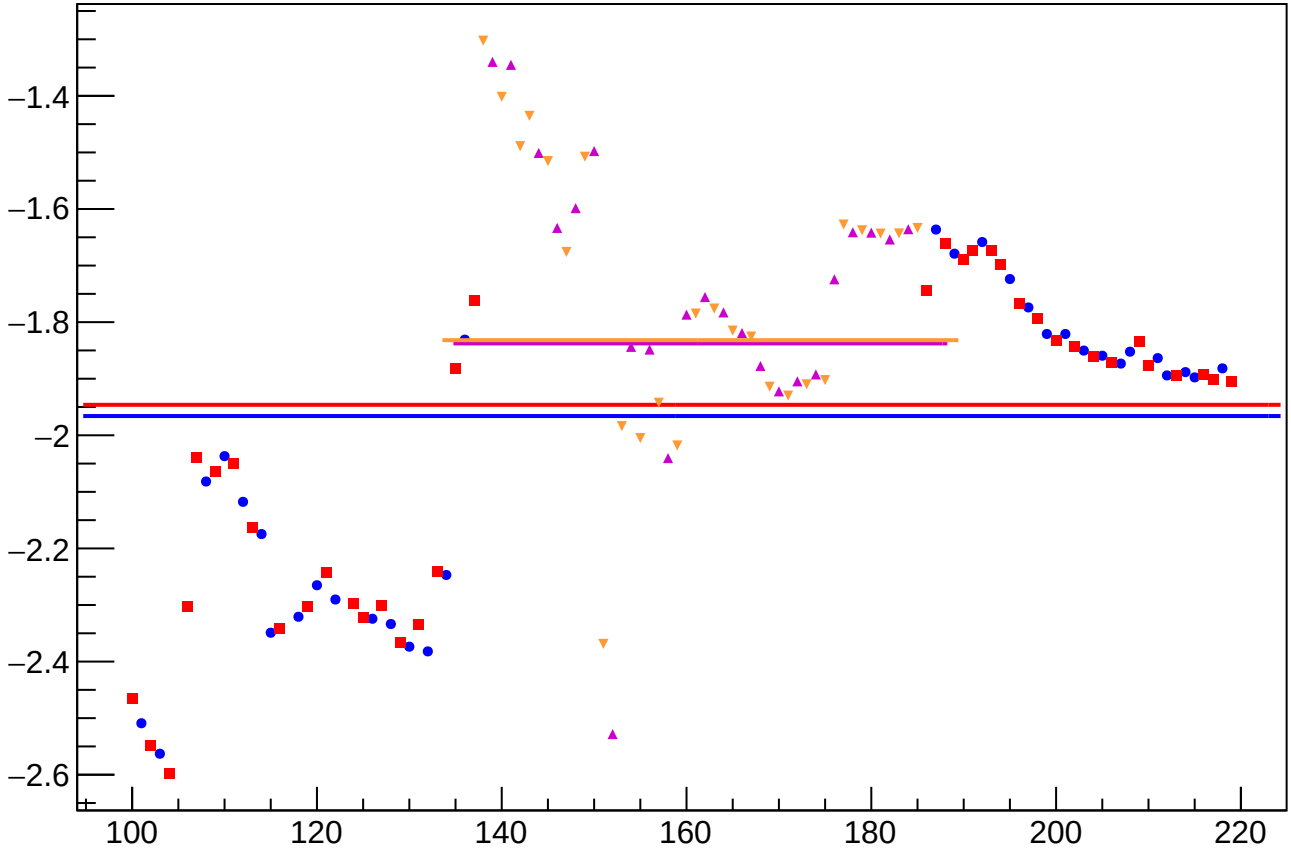
Right: 0.003+/-0.000 χ^2/NDF: 12192994.4/68

In: 0.003+/-0.000 χ^2/NDF:8942356.7/54

Out: 0.003+/-0.000 χ^2/NDF:9565934.8/61

All: 0.003+/-0.000 χ^2/NDF: 18508771.4/116

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -1.966+/-0.000 χ^2/NDF: 34299460584.2/31

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.946+/-0.000 χ^2/NDF: 38137914547.5/36

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

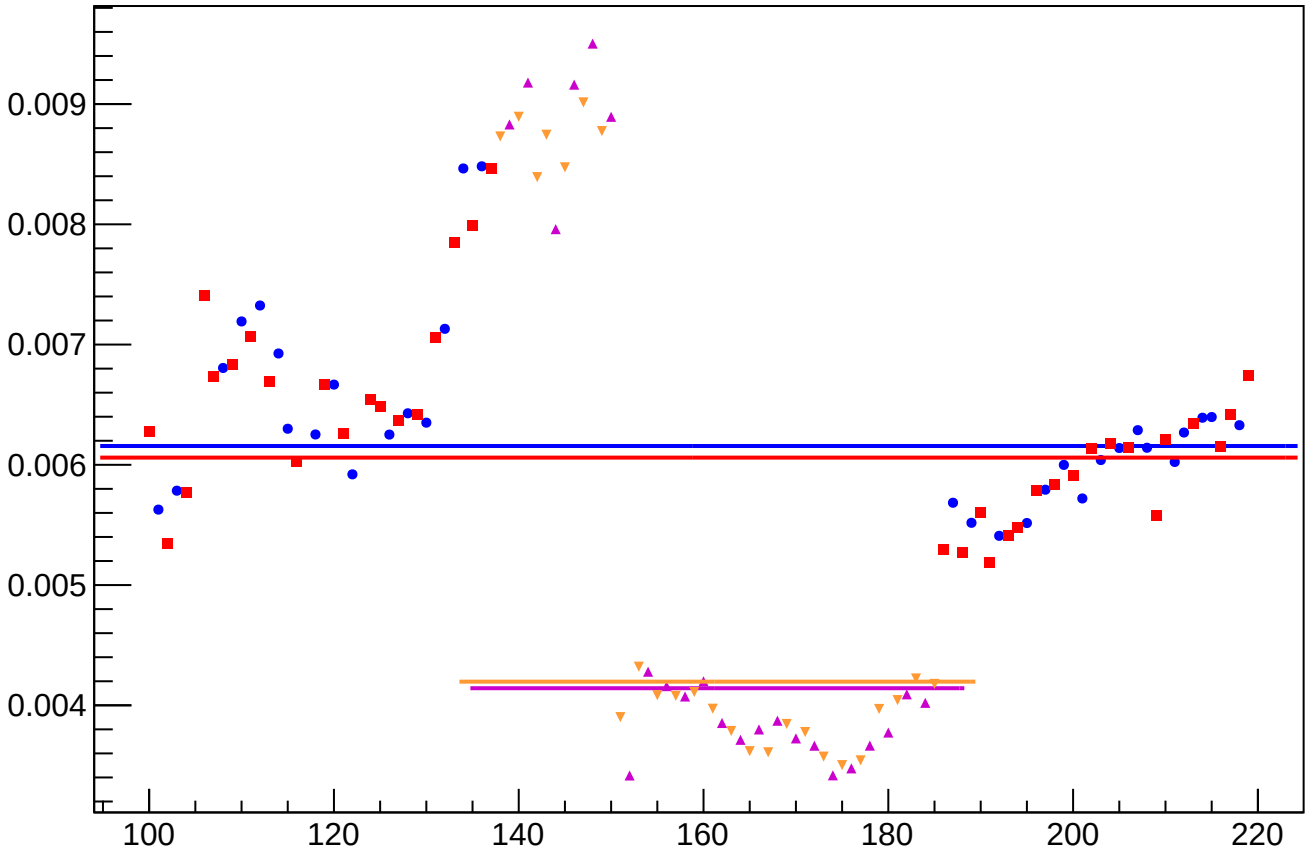
Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

Right: -1.956+/-0.000 χ^2/NDF: 72543583079.3/68

In: -1.883+/-0.000 χ^2/NDF:93220632756.3/54

Out: -1.874+/-0.000 χ^2/NDF:81176078895.4/61

All: -1.878+/-0.000 χ^2/NDF: 174460280279.6



Right In: 0.006+/-0.000 χ^2/NDF: 375521.7/31

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 421651.8/36

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

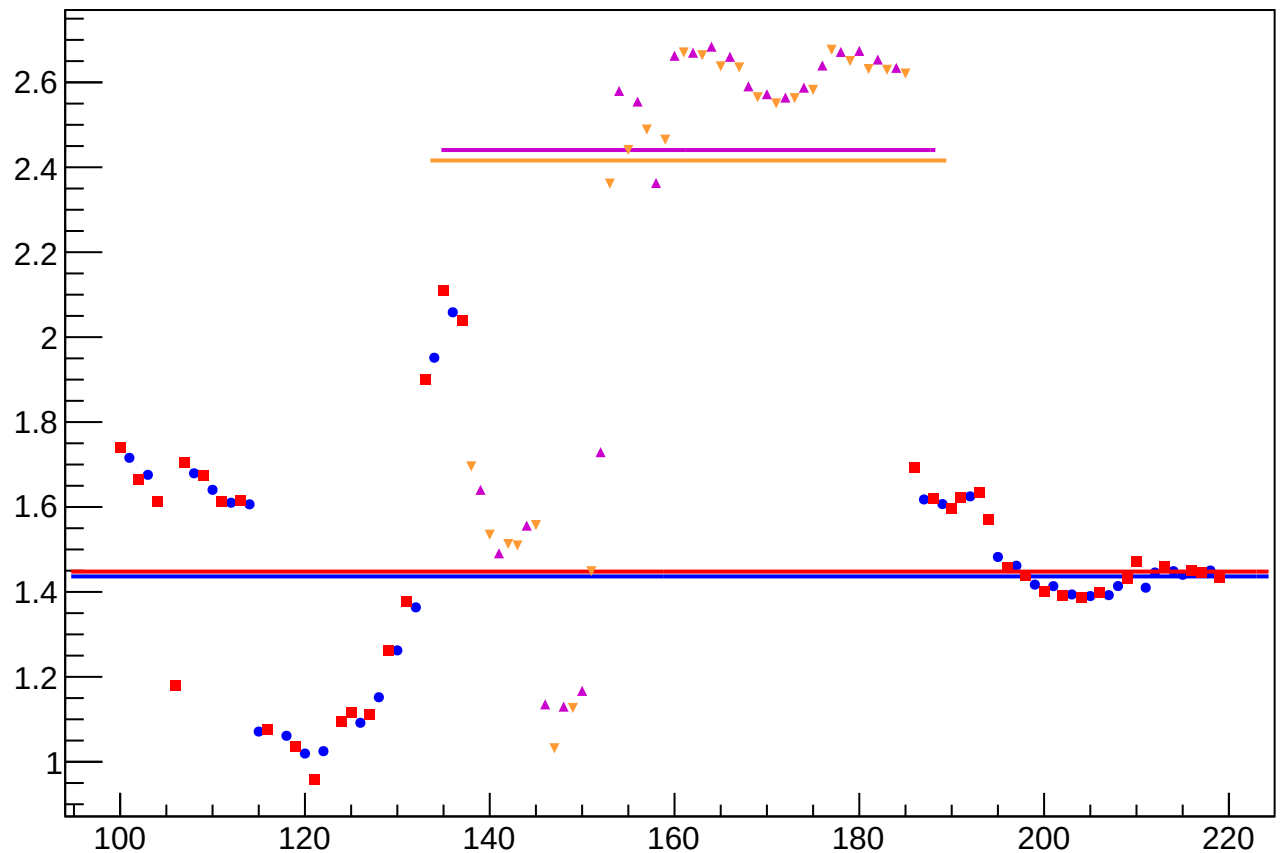
Right: 0.006+/-0.000 χ^2/NDF: 802184.7/68

In: 0.005+/-0.000 χ^2/NDF:6269122.5/54

Out: 0.005+/-0.000 χ^2/NDF:5998138.5/61

All: 0.005+/-0.000 χ^2/NDF: 12268257.2/116

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.436+/-0.000 χ^2/NDF: 191510705034.6/31

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.448+/-0.000 χ^2/NDF: 186655480416.9/36

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

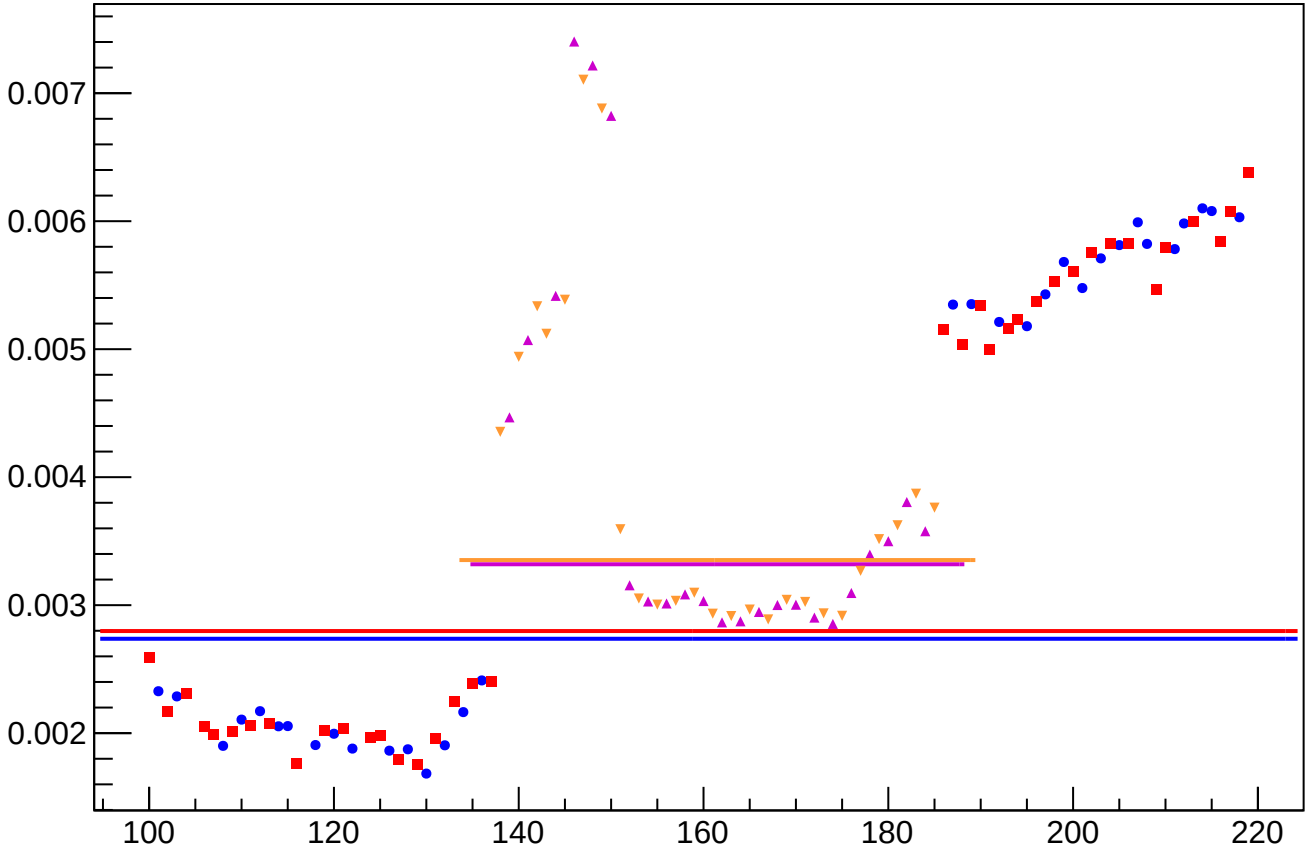
Right: 1.442+/-0.000 χ^2/NDF: 378300063552.6/68

In: 1.861+/-0.000 χ^2/NDF:1285542255851.5/54

Out: 1.862+/-0.000 χ^2/NDF:1262304596486.4/61

All: 1.862+/-0.000 χ^2/NDF: 2547847843296.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 8764818.8/31

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9017591.4/36

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

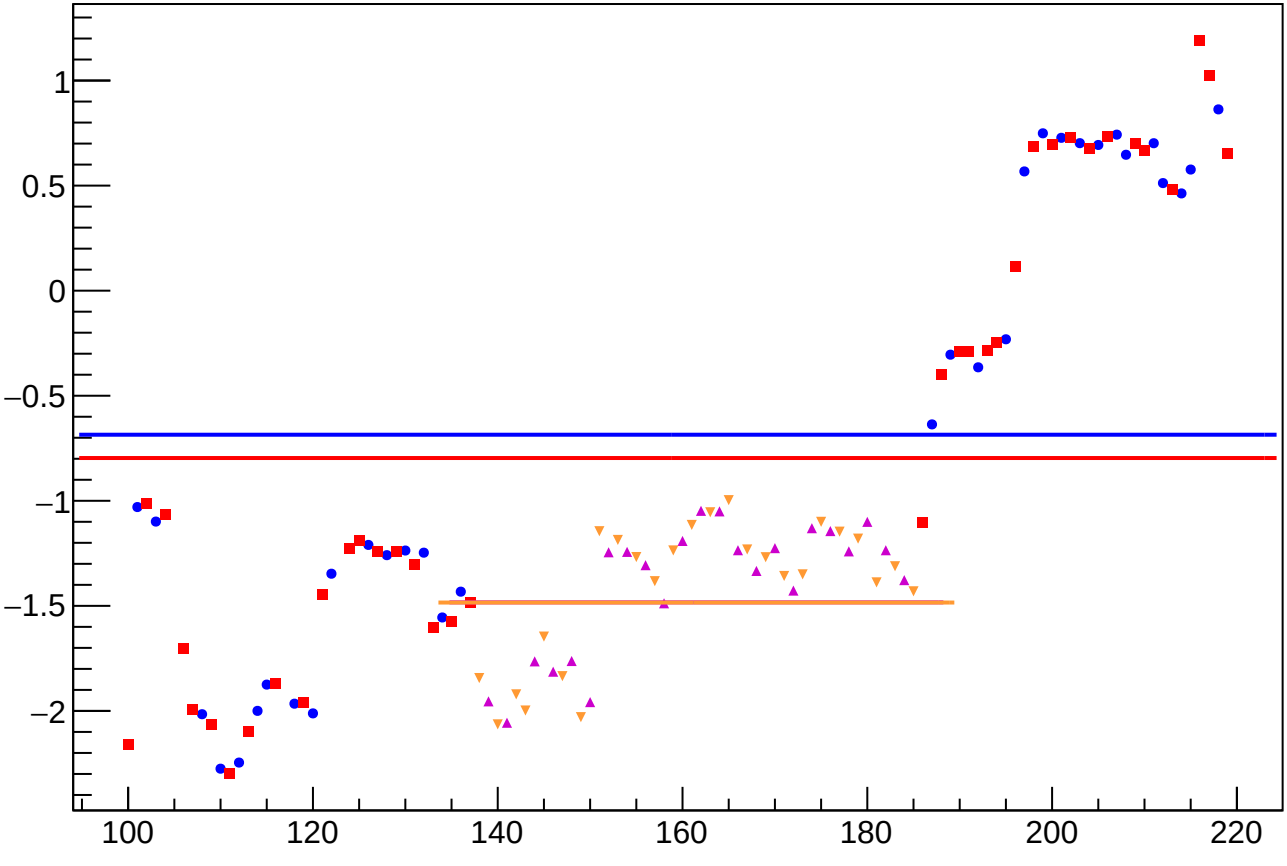
Right: 0.003+/-0.000 χ^2/NDF: 17789850.4/68

In: 0.003+/-0.000 χ^2/NDF:11399914.6/54

Out: 0.003+/-0.000 χ^2/NDF:11384017.1/61

All: 0.003+/-0.000 χ^2/NDF: 22793294.7/116

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -0.686+/-0.000 χ^2/NDF: 264506372568.9/31

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -0.796+/-0.000 χ^2/NDF: 314680494926.5/36

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

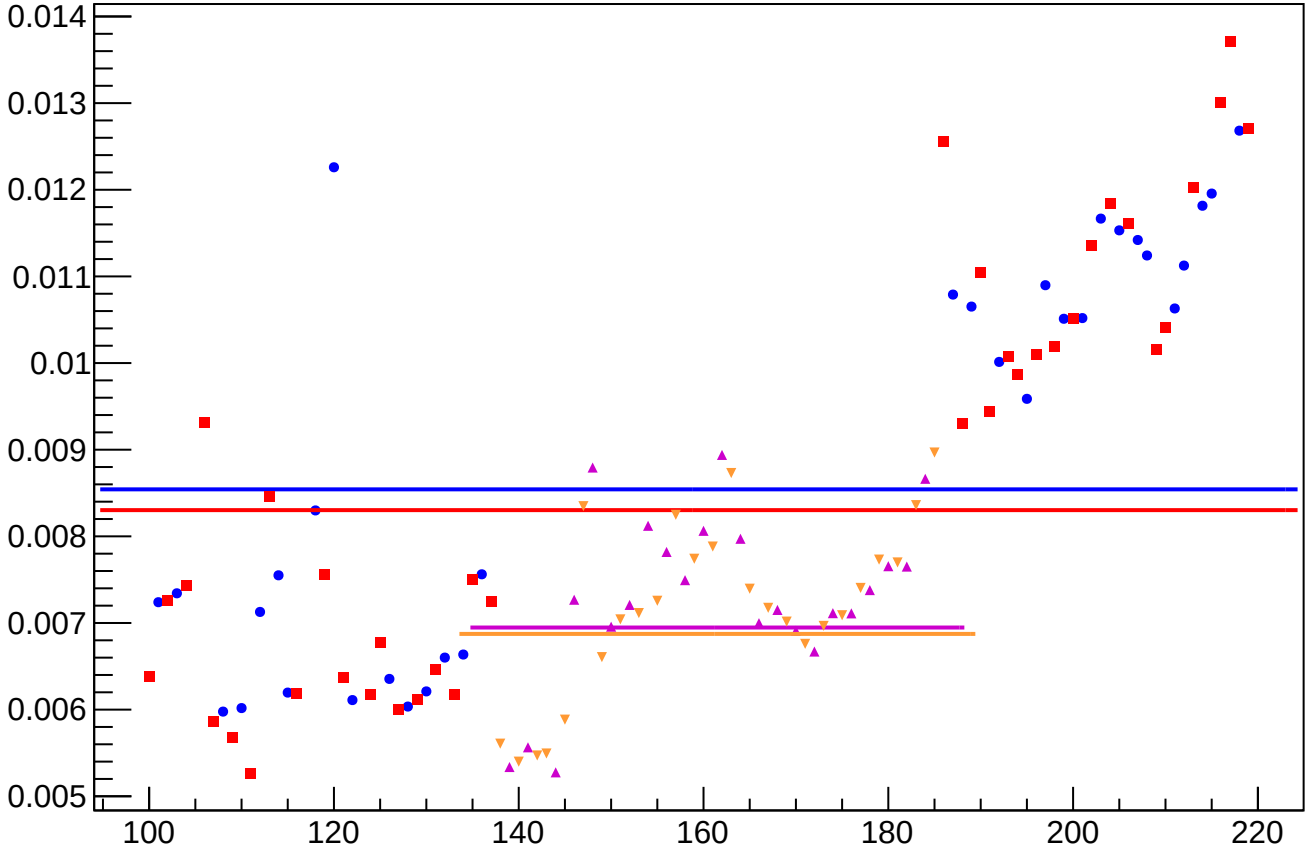
Right: -0.744+/-0.000 χ^2/NDF: 580784211951.0/68

In: -1.156+/-0.000 χ^2/NDF:396898776110.8/54

Out: -1.196+/-0.000 χ^2/NDF:439037617637.5/61

All: -1.177+/-0.000 χ^2/NDF: 836436898364.7

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 2491383.5/31

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3066582.4/36

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

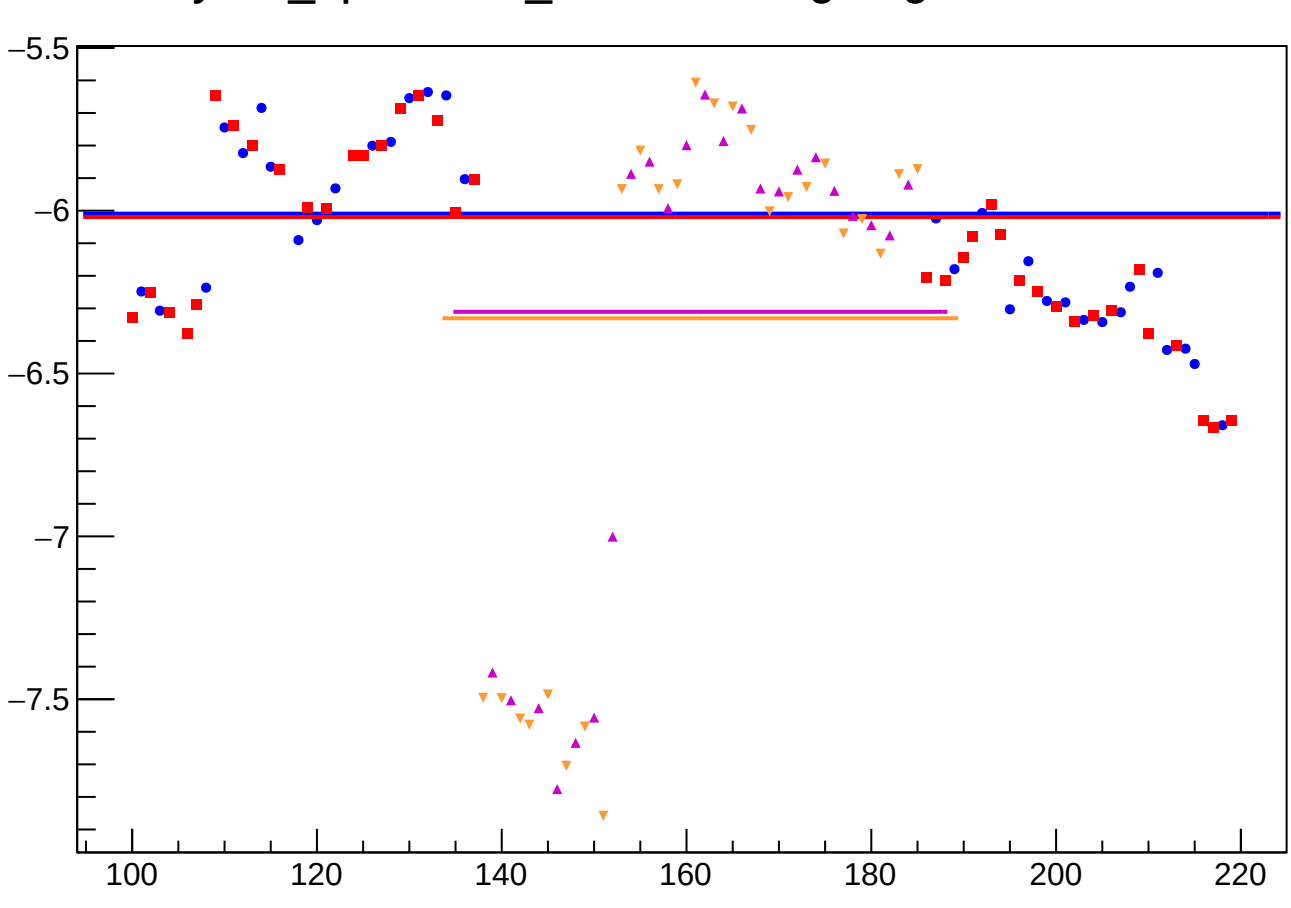
Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

Right: 0.008+/-0.000 χ^2/NDF: 5572900.4/68

In: 0.008+/-0.000 χ^2/NDF:3973641.1/54

Out: 0.007+/-0.000 χ^2/NDF:4467275.4/61

All: 0.008+/-0.000 χ^2/NDF: 8451392.3/116



Right In: -6.009+/-0.000 χ^2/NDF: 19792528731.0/31

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -6.019+/-0.000 χ^2/NDF: 21938421647.7/36

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

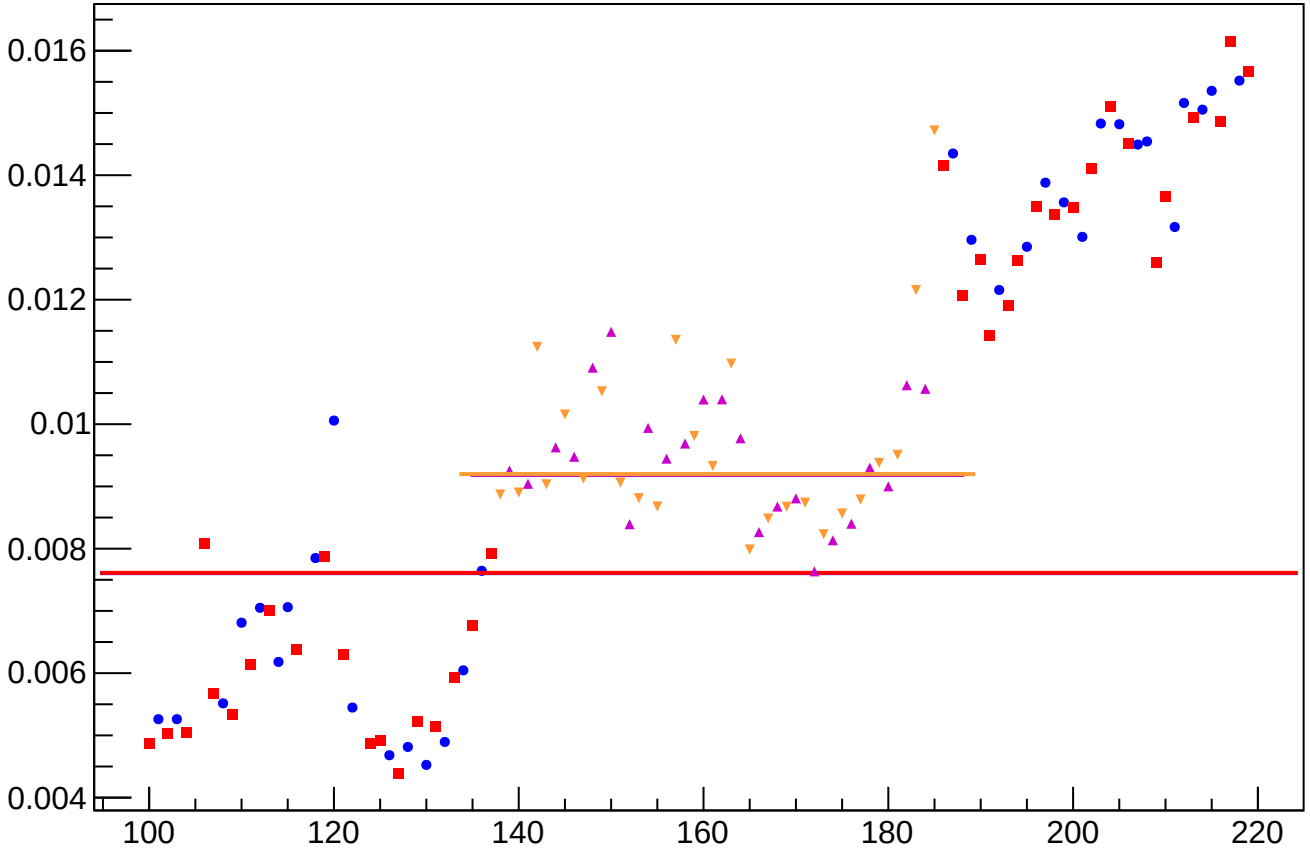
Right: -6.014+/-0.000 χ^2/NDF: 41745557448.0/68

In: -6.133+/-0.000 χ^2/NDF:121254485837.3/54

Out: -6.145+/-0.000 χ^2/NDF:143276191815.2/61

All: -6.139+/-0.000 χ^2/NDF: 264561895114.8

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 7440989.8/31

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7574975.0/36

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

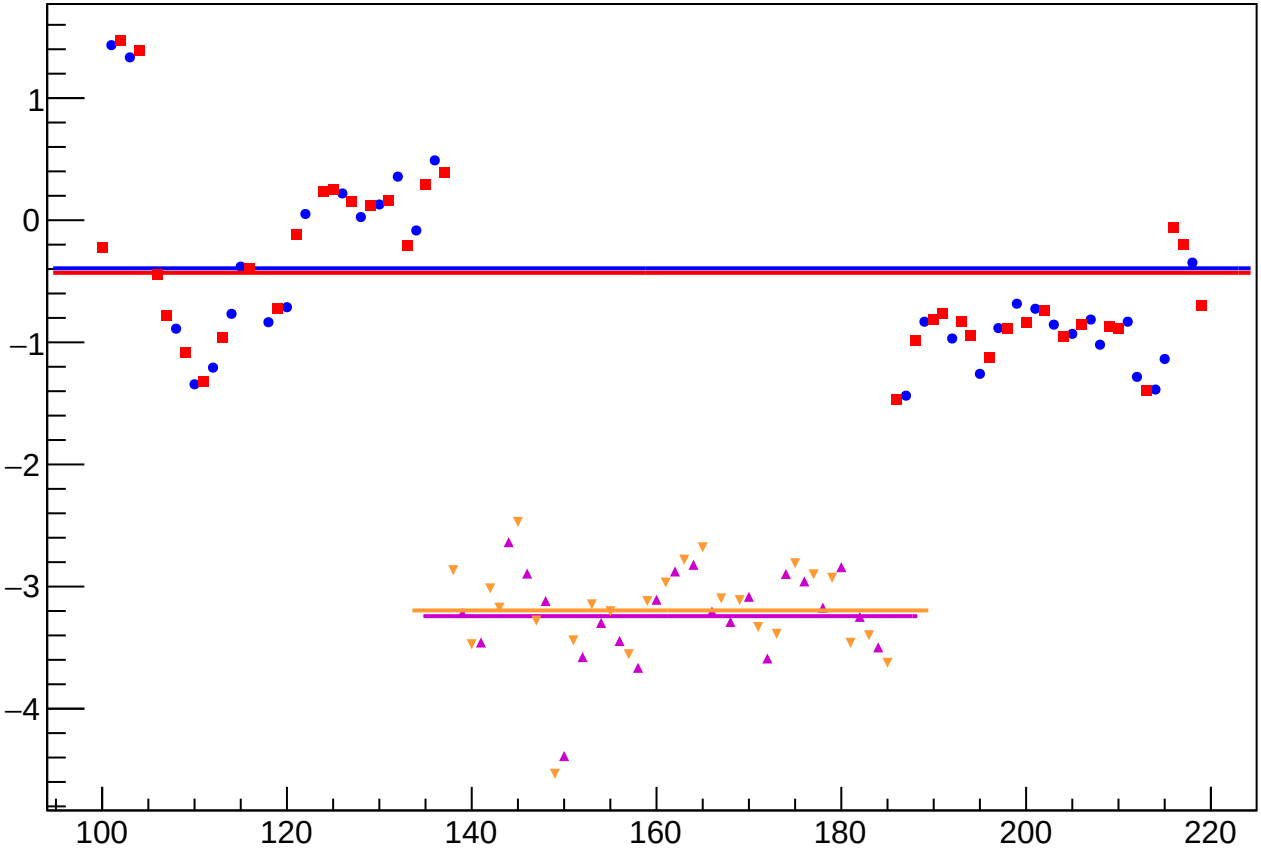
Right: 0.008+/-0.000 χ^2/NDF: 15015969.5/68

In: 0.008+/-0.000 χ^2/NDF:8295395.1/54

Out: 0.008+/-0.000 χ^2/NDF:8516322.6/61

All: 0.008+/-0.000 χ^2/NDF: 16811728.3/116

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.000 χ^2/NDF: 39796299402.3/31

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.431+/-0.000 χ^2/NDF: 38596198892.3/36

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

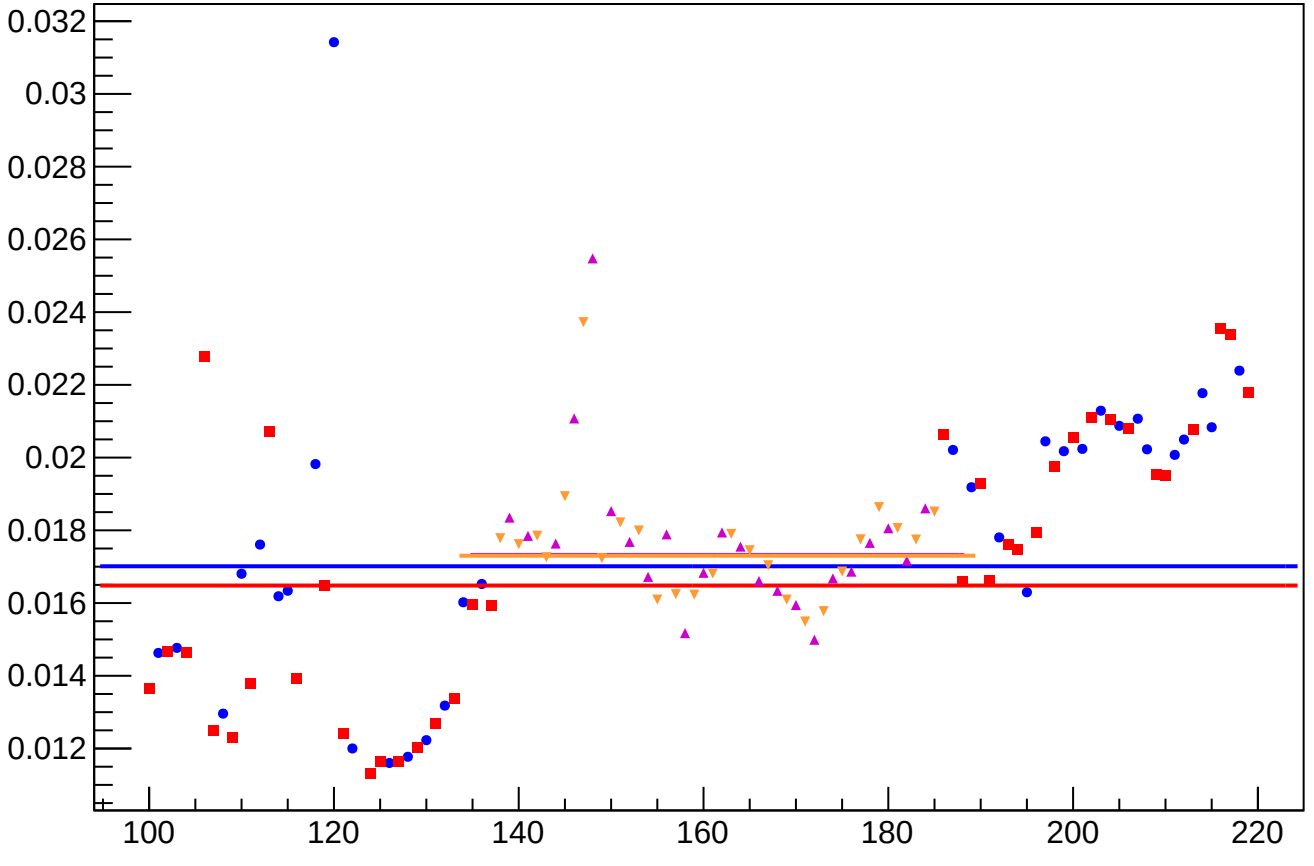
Right: -0.413+/-0.000 χ^2/NDF: 78438415850.3/68

In: -1.760+/-0.000 χ^2/NDF:294422729671.6/54

Out: -1.705+/-0.000 χ^2/NDF:303816989990.1/61

All: -1.731+/-0.000 χ^2/NDF: 598428118556.3

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 1739796.6/31

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.016+/-0.000 χ^2/NDF: 1948948.4/36

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

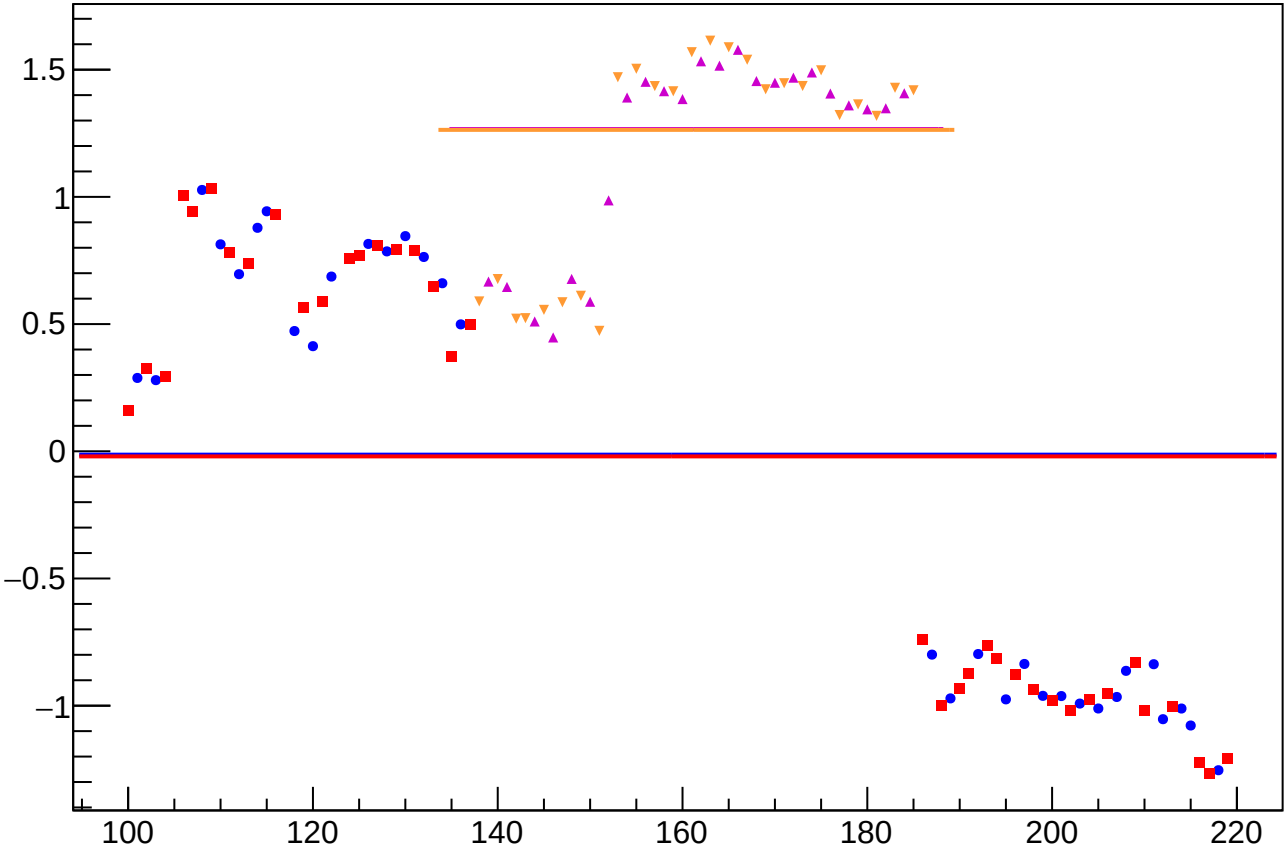
Right: 0.017+/-0.000 χ^2/NDF: 3707745.8/68

In: 0.017+/-0.000 χ^2/NDF:2075560.6/54

Out: 0.017+/-0.000 χ^2/NDF:2211900.4/61

All: 0.017+/-0.000 χ^2/NDF: 4299067.7/116

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.000 χ^2/NDF: 98754303837.0/31

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: -0.020+/-0.000 χ^2/NDF: 112625256755.3/36

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

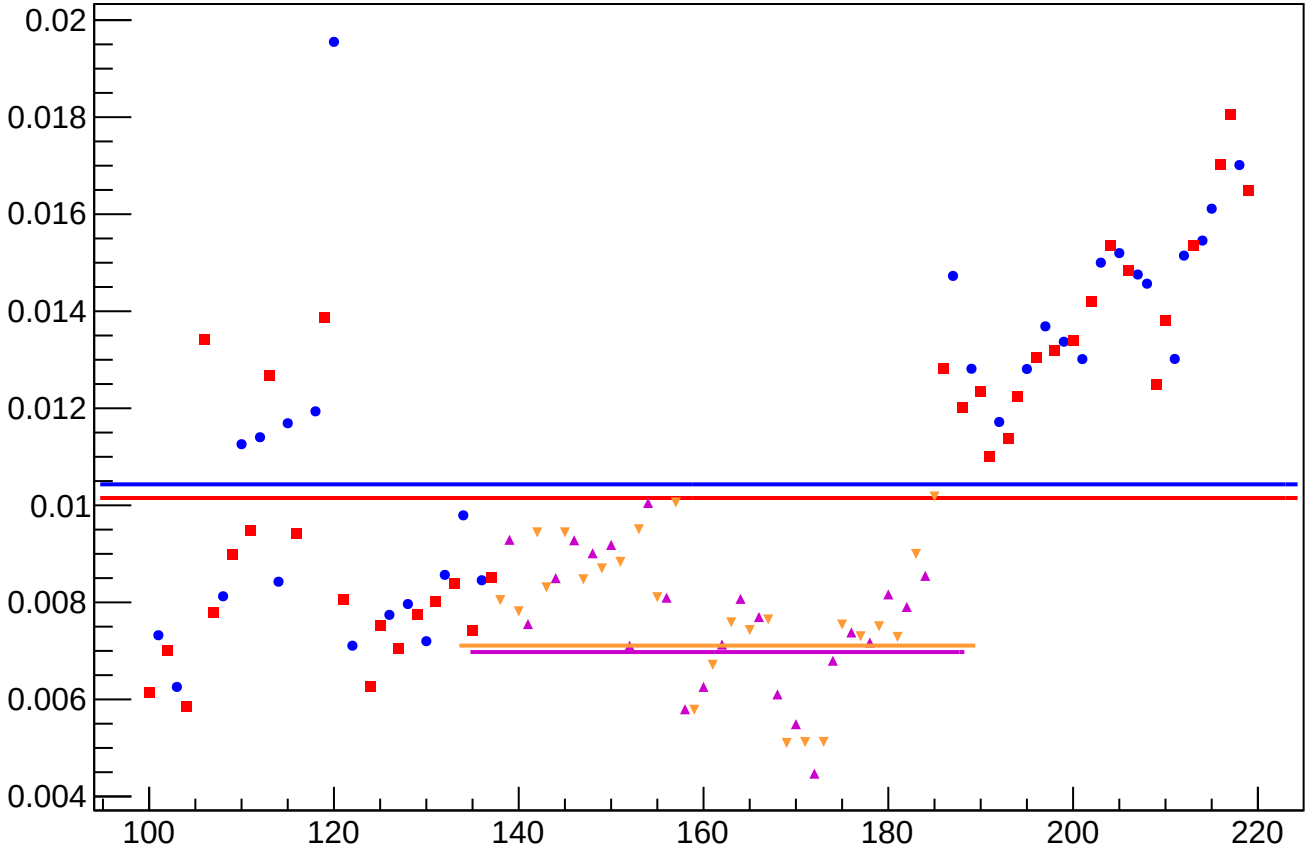
Right: -0.017+/-0.000 χ^2/NDF: 211383432792.3/68

In: 0.857+/-0.000 χ^2/NDF:311604722865.3/54

Out: 0.821+/-0.000 χ^2/NDF:349406356068.1/61

All: 0.838+/-0.000 χ^2/NDF: 661335819442.1

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 3528802.2/31

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.010+/-0.000 χ^2/NDF: 3873201.8/36

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

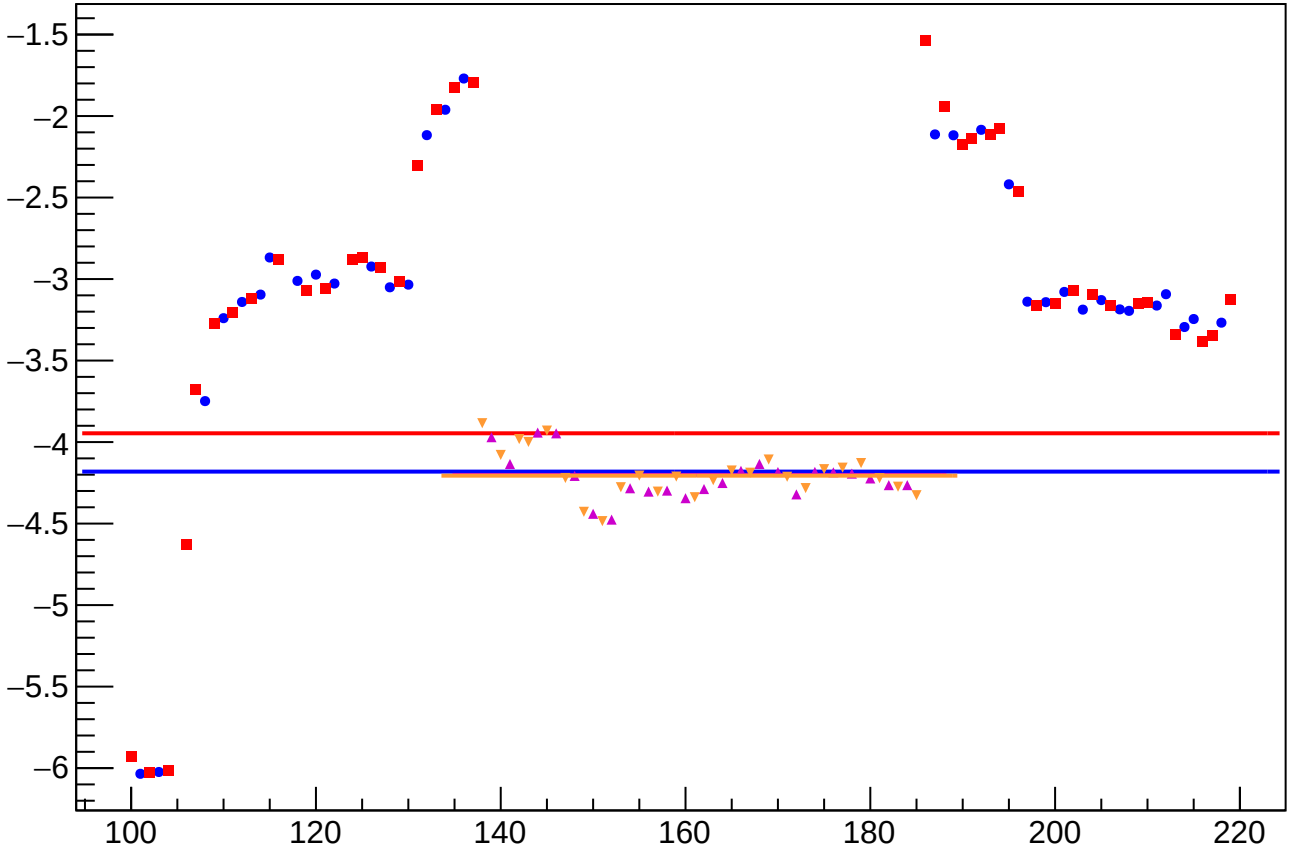
Right: 0.010+/-0.000 χ^2/NDF: 7415203.0/68

In: 0.008+/-0.000 χ^2/NDF:7541091.7/54

Out: 0.008+/-0.000 χ^2/NDF:7540410.1/61

All: 0.008+/-0.000 χ^2/NDF: 15084314.2/116

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.181+/-0.000 χ^2/NDF: 302983506977.8/31

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -3.946+/-0.000 χ^2/NDF: 310726733358.5/36

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

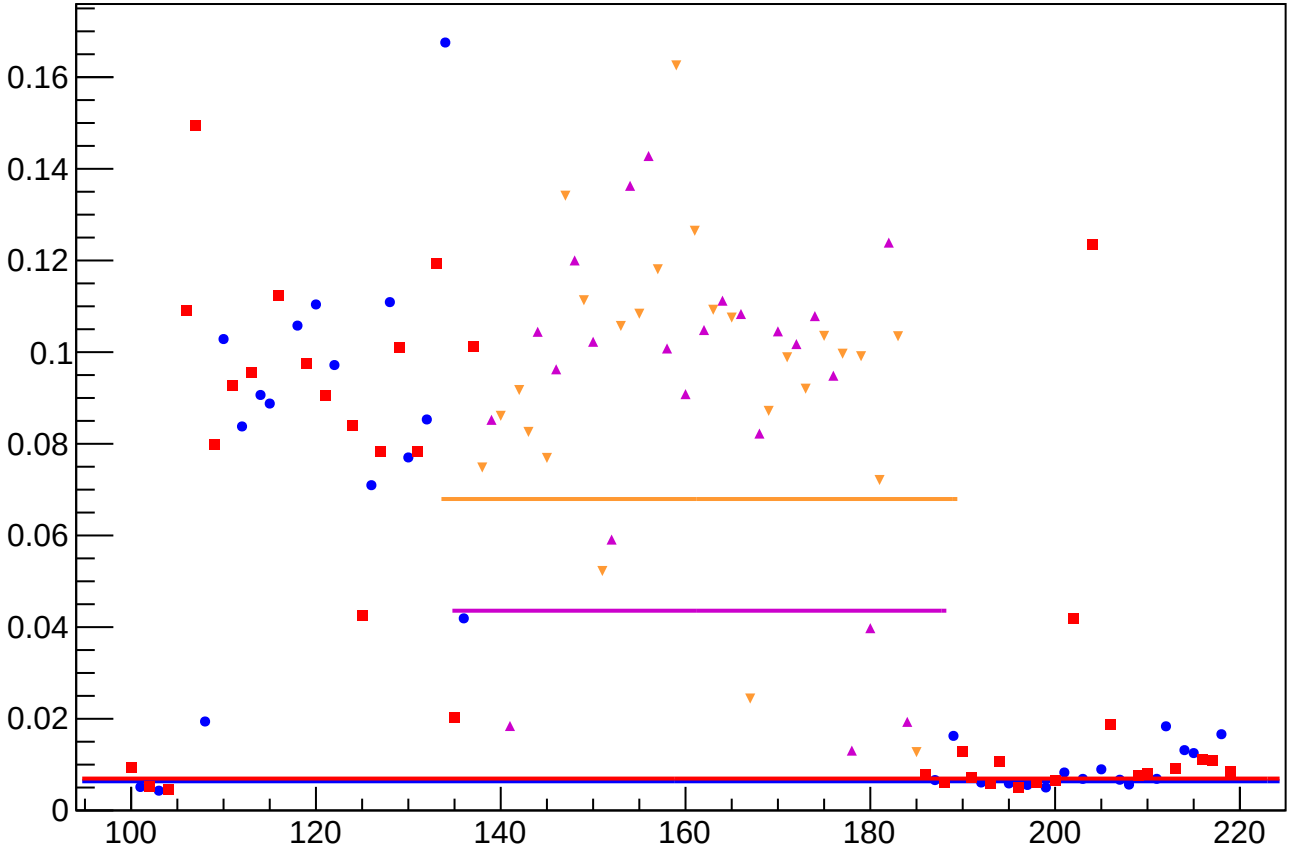
Right: -4.073+/-0.000 χ^2/NDF: 616868132451.6/68

In: -4.182+/-0.000 χ^2/NDF:303027926987.4/54

Out: -3.952+/-0.000 χ^2/NDF:310963700200.4/61

All: -4.077+/-0.000 χ^2/NDF: 617083884283.1

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 9606527.1/31

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10909047.3/36

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

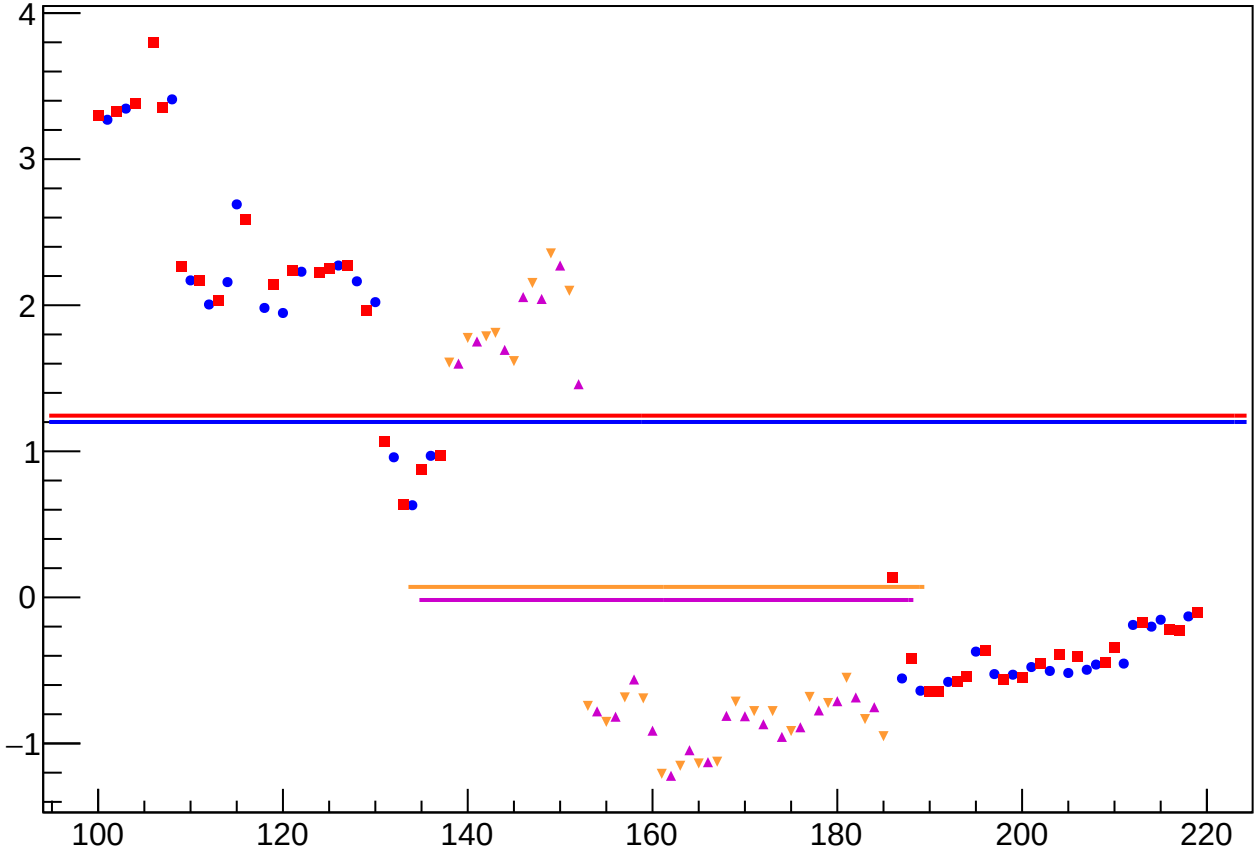
Right: 0.007+/-0.000 χ^2/NDF: 20555680.4/68

In: 0.008+/-0.000 χ^2/NDF:33342342.1/54

Out: 0.008+/-0.000 χ^2/NDF:37855151.7/61

All: 0.008+/-0.000 χ^2/NDF: 71293392.5/116

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 1.201+/-0.000 χ^2/NDF: 241326128399.5/31

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.244+/-0.000 χ^2/NDF: 224654900209.0/36

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

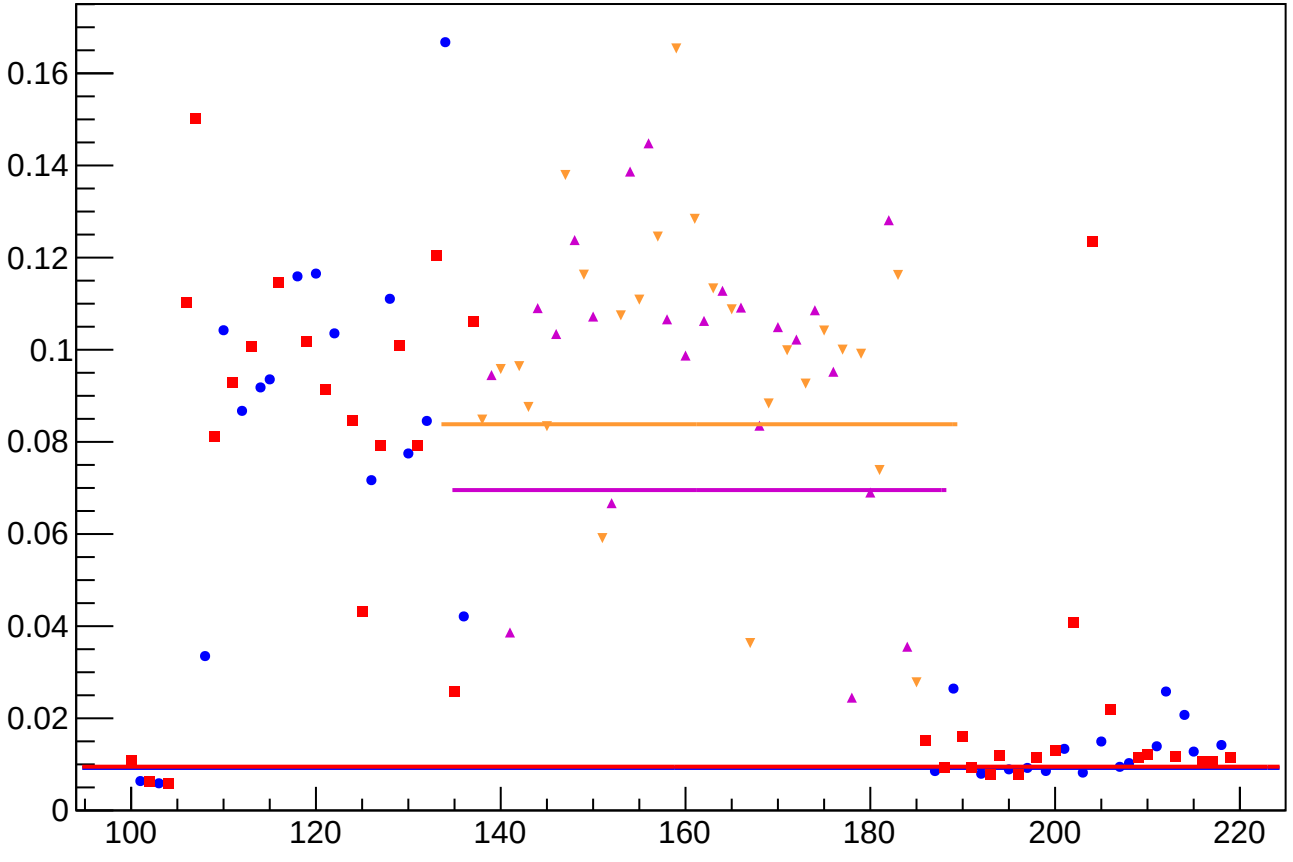
Right: 1.222+/-0.000 χ^2/NDF: 466044565767.7/68

In: 1.160+/-0.000 χ^2/NDF:248196372168.0/54

Out: 1.209+/-0.000 χ^2/NDF:231032740858.6/61

All: 1.184+/-0.000 χ^2/NDF: 479310543082.3

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 9386726.7/31

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.010+/-0.000 χ^2/NDF: 10552116.6/36

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

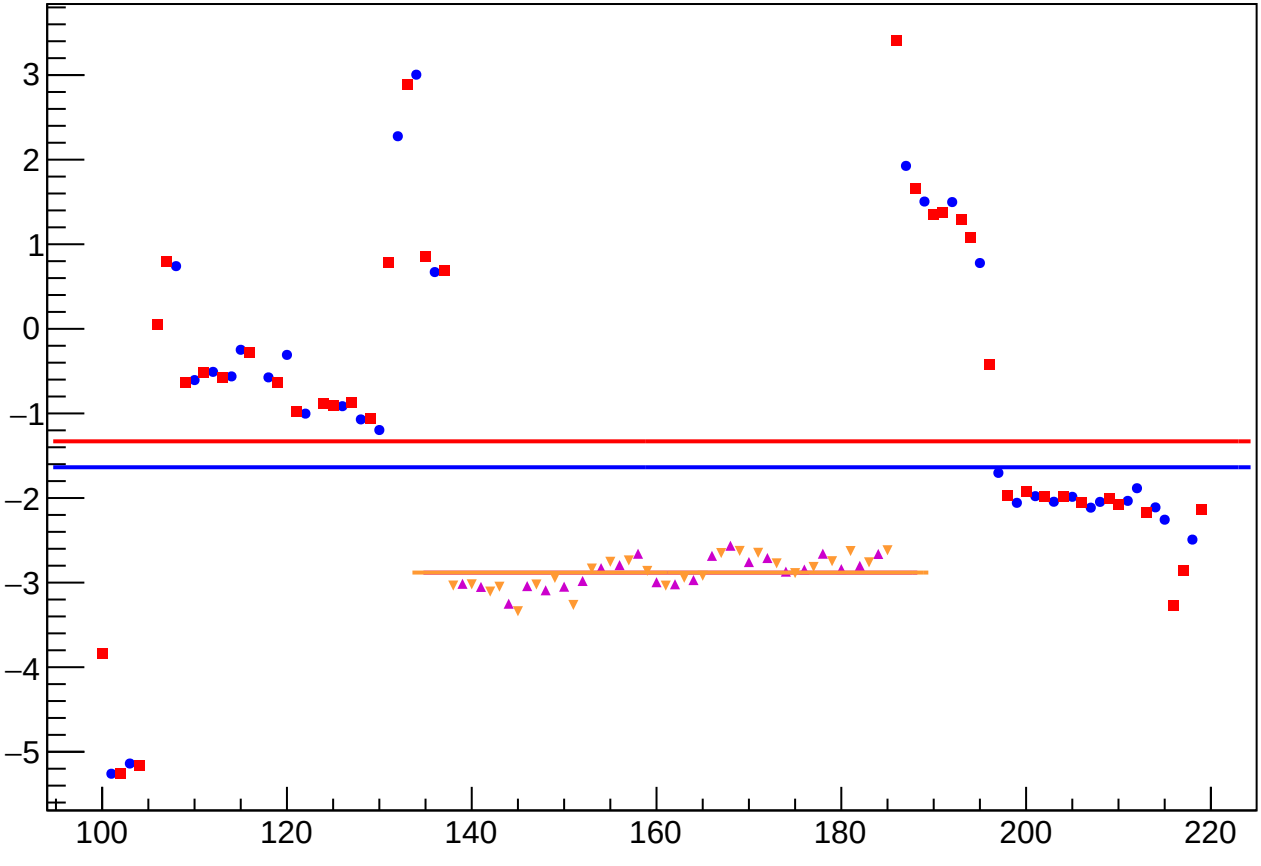
Right: 0.009+/-0.000 χ^2/NDF: 19943888.7/68

In: 0.011+/-0.000 χ^2/NDF:32811826.9/54

Out: 0.012+/-0.000 χ^2/NDF:36429642.1/61

All: 0.011+/-0.000 χ^2/NDF: 69260433.9/116

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.636+/-0.000 χ^2/NDF: 211057638685.4/31

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.330+/-0.000 χ^2/NDF: 246180012537.6/36

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

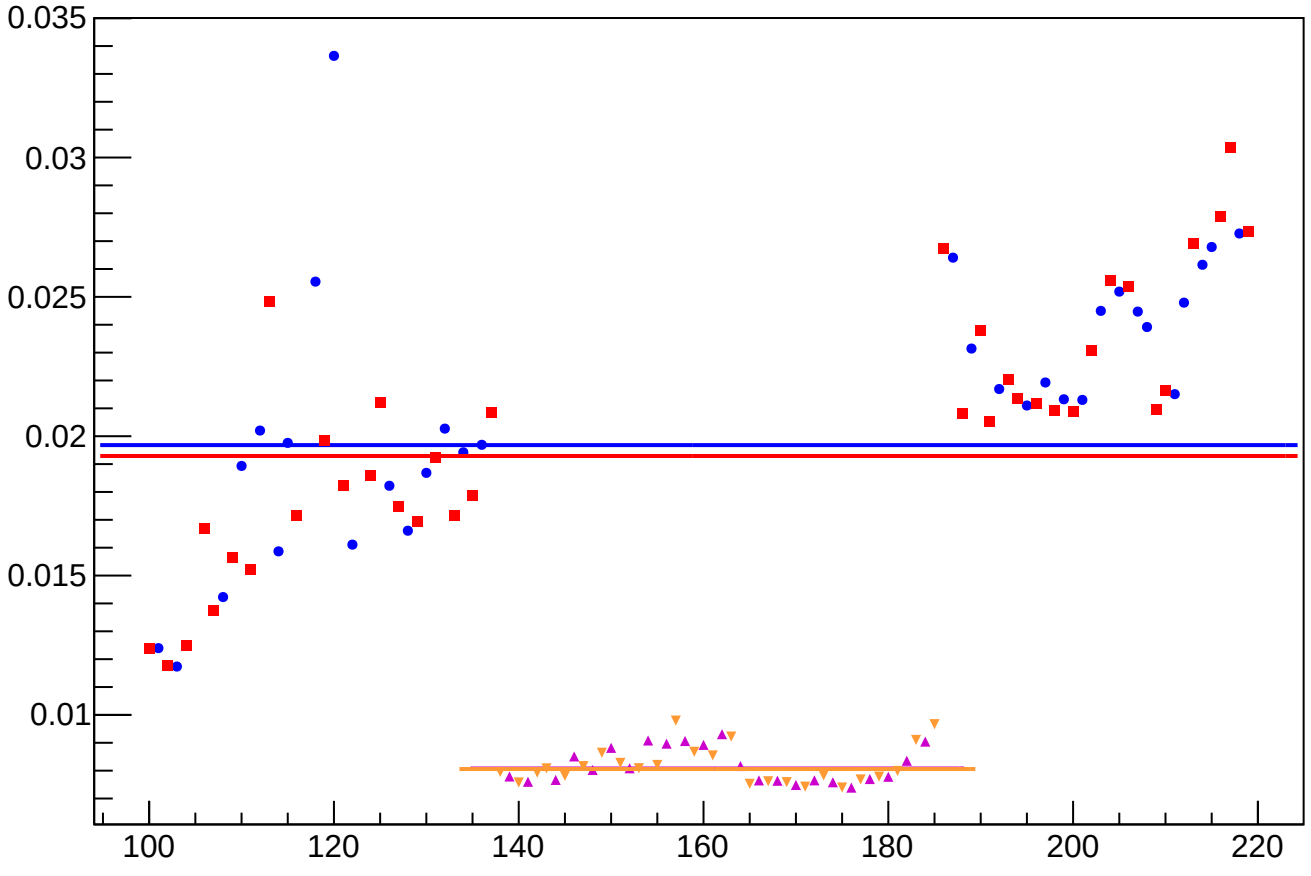
Right: -1.474+/-0.000 χ^2/NDF: 459481498714.0/68

In: -2.702+/-0.000 χ^2/NDF:279362457303.1/54

Out: -2.646+/-0.000 χ^2/NDF:360292453112.7/61

All: -2.673+/-0.000 χ^2/NDF: 640167727700.9

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 2135694.9/31

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.019+/-0.000 χ^2/NDF: 2231663.1/36

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

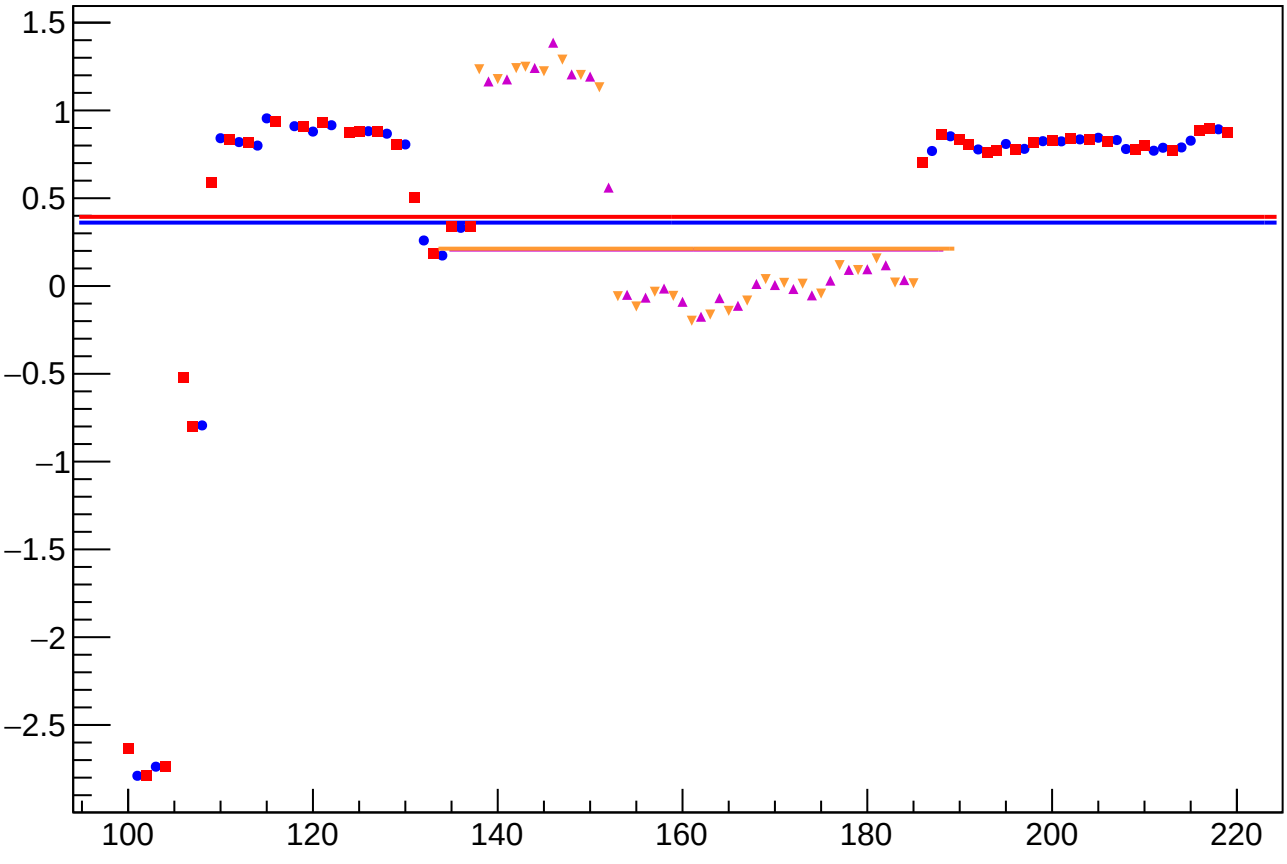
Right: 0.019+/-0.000 χ^2/NDF: 4374645.0/68

In: 0.010+/-0.000 χ^2/NDF:12722666.8/54

Out: 0.010+/-0.000 χ^2/NDF:13273939.3/61

All: 0.010+/-0.000 χ^2/NDF: 25996620.7/116

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.361+/-0.000 χ^2/NDF: 986486008810.9/31

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.394+/-0.000 χ^2/NDF: 1073406355713.7/36

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

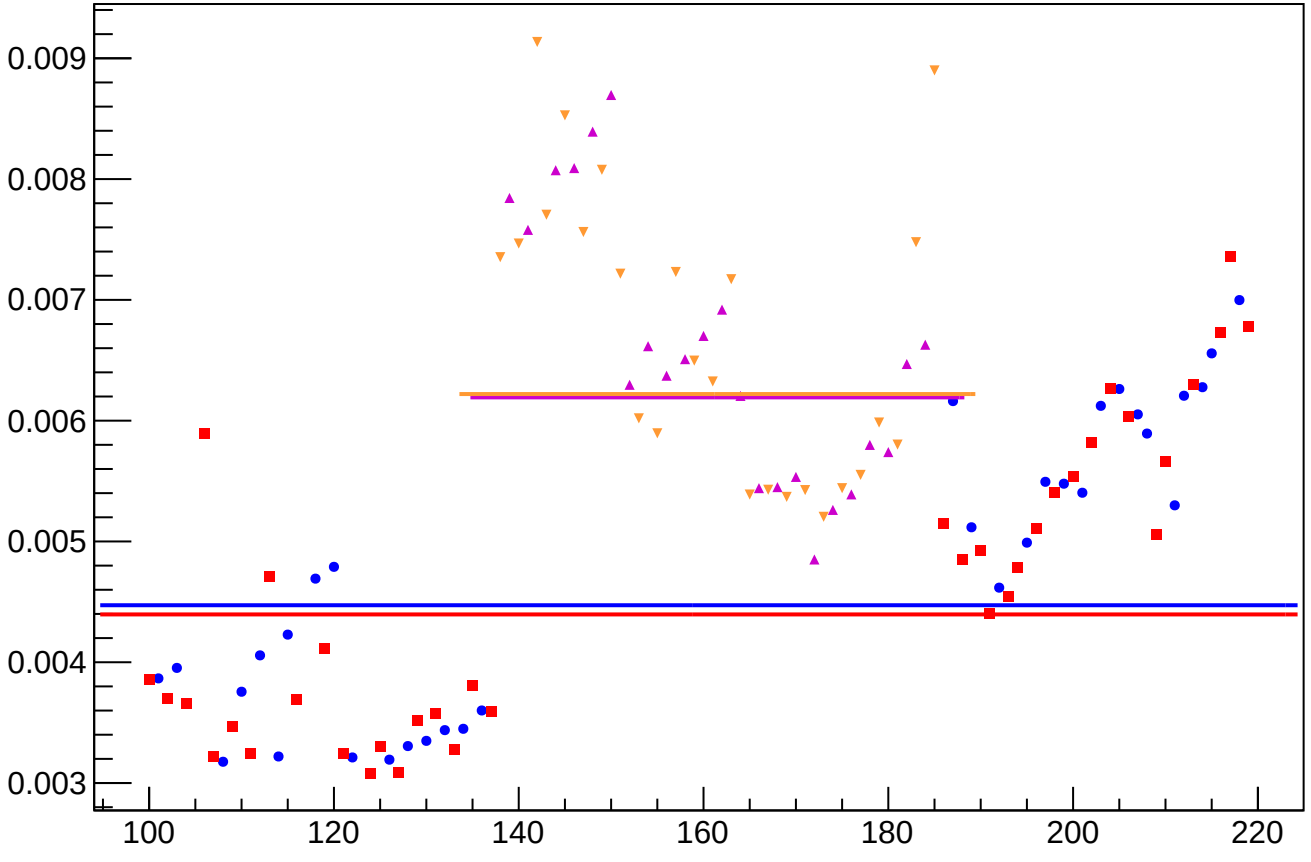
Right: 0.378+/-0.000 χ^2/NDF: 2060404738789.2/68

In: 0.313+/-0.000 χ^2/NDF:1080290614895.9/54

Out: 0.339+/-0.000 χ^2/NDF:1186105342942.2/61

All: 0.327+/-0.000 χ^2/NDF: 2266878397950.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 2387343.5/31

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2561354.9/36

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

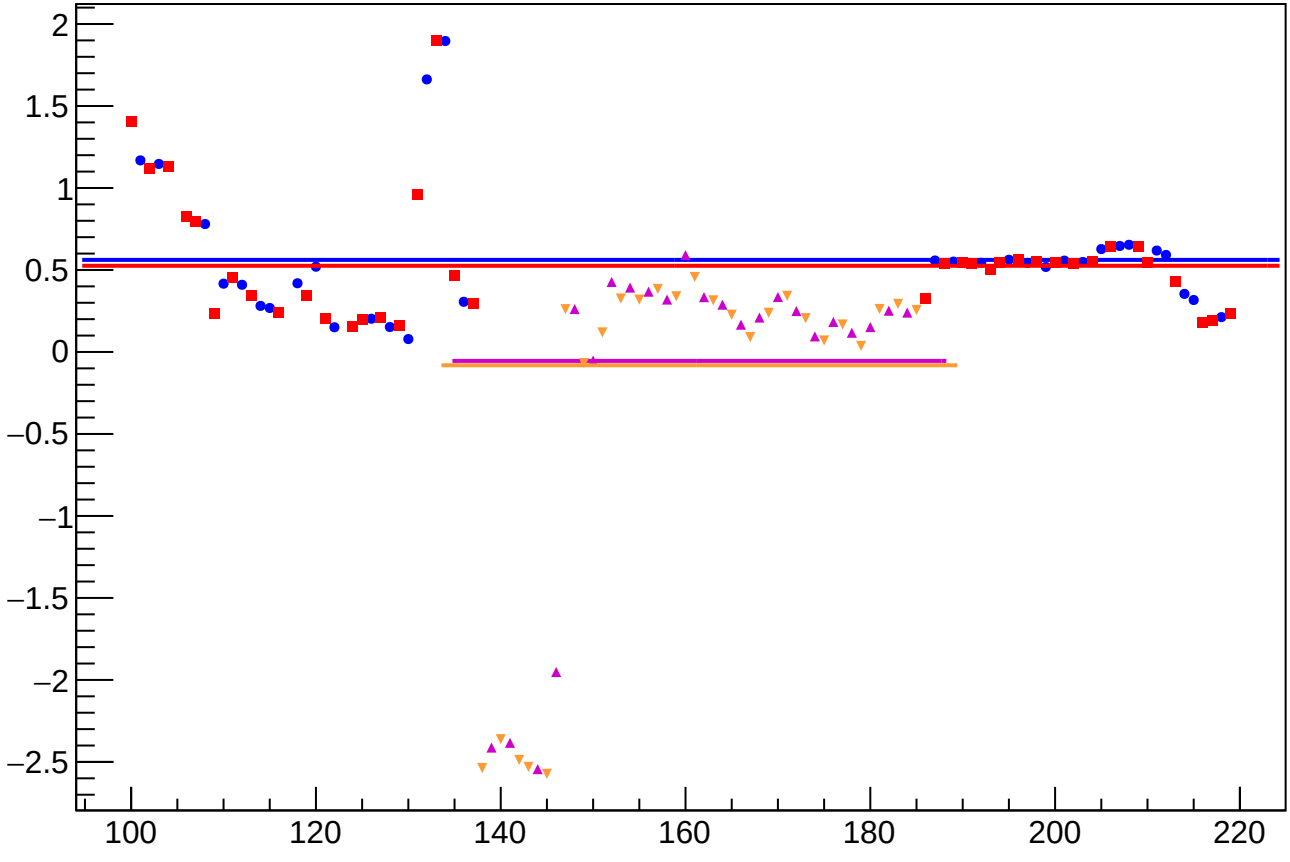
Right: 0.004+/-0.000 χ^2/NDF: 4954203.0/68

In: 0.005+/-0.000 χ^2/NDF:4883088.5/54

Out: 0.005+/-0.000 χ^2/NDF:5378477.9/61

All: 0.005+/-0.000 χ^2/NDF: 10267703.2/116

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.562+/-0.000 χ^2/NDF: 60975782852.7/31

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.526+/-0.000 χ^2/NDF: 68304221037.5/36

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

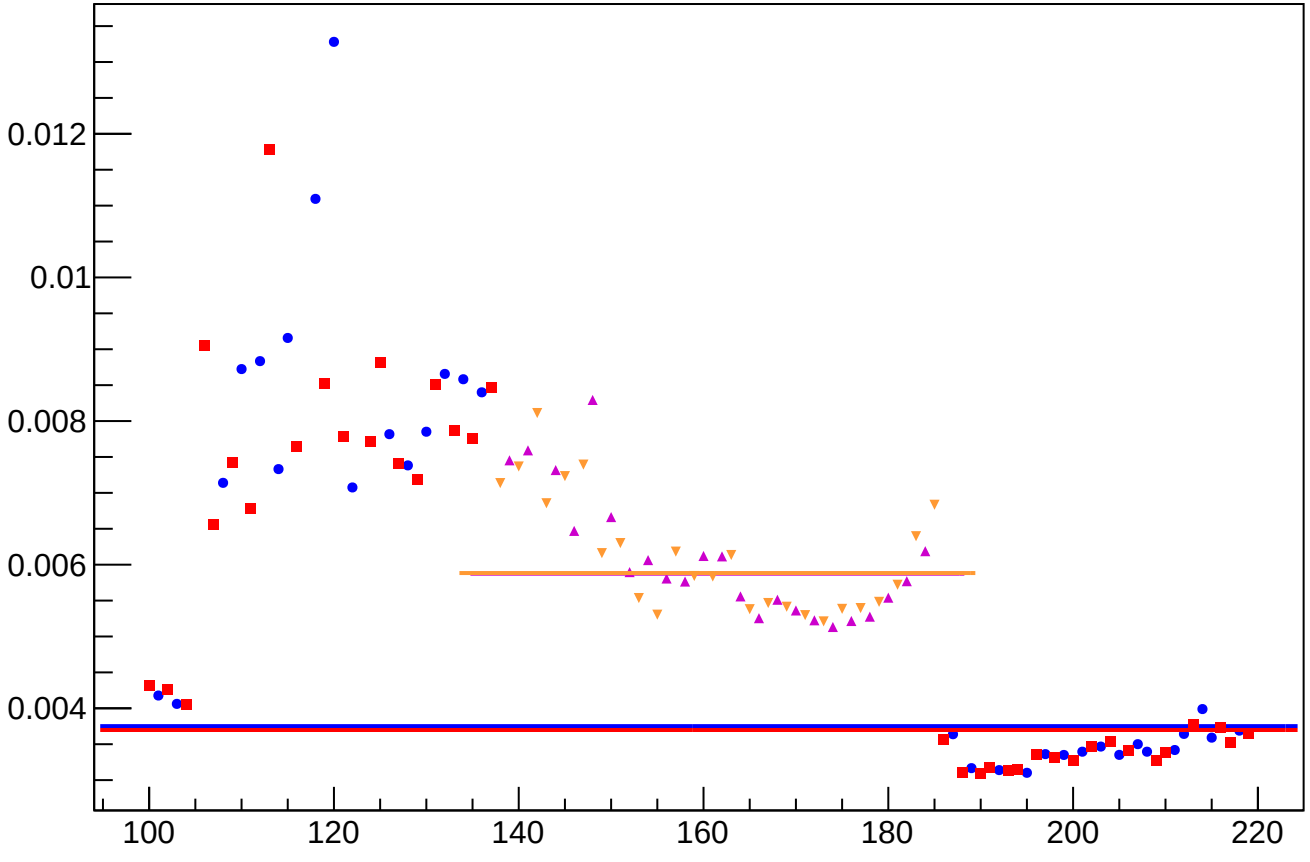
Right: 0.543+/-0.000 χ^2/NDF: 130102500493.1/68

In: 0.385+/-0.000 χ^2/NDF:539325105568.3/54

Out: 0.360+/-0.000 χ^2/NDF:592310146227.8/61

All: 0.372+/-0.000 χ^2/NDF: 1132181578869.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3495968.7/31

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3484507.8/36

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

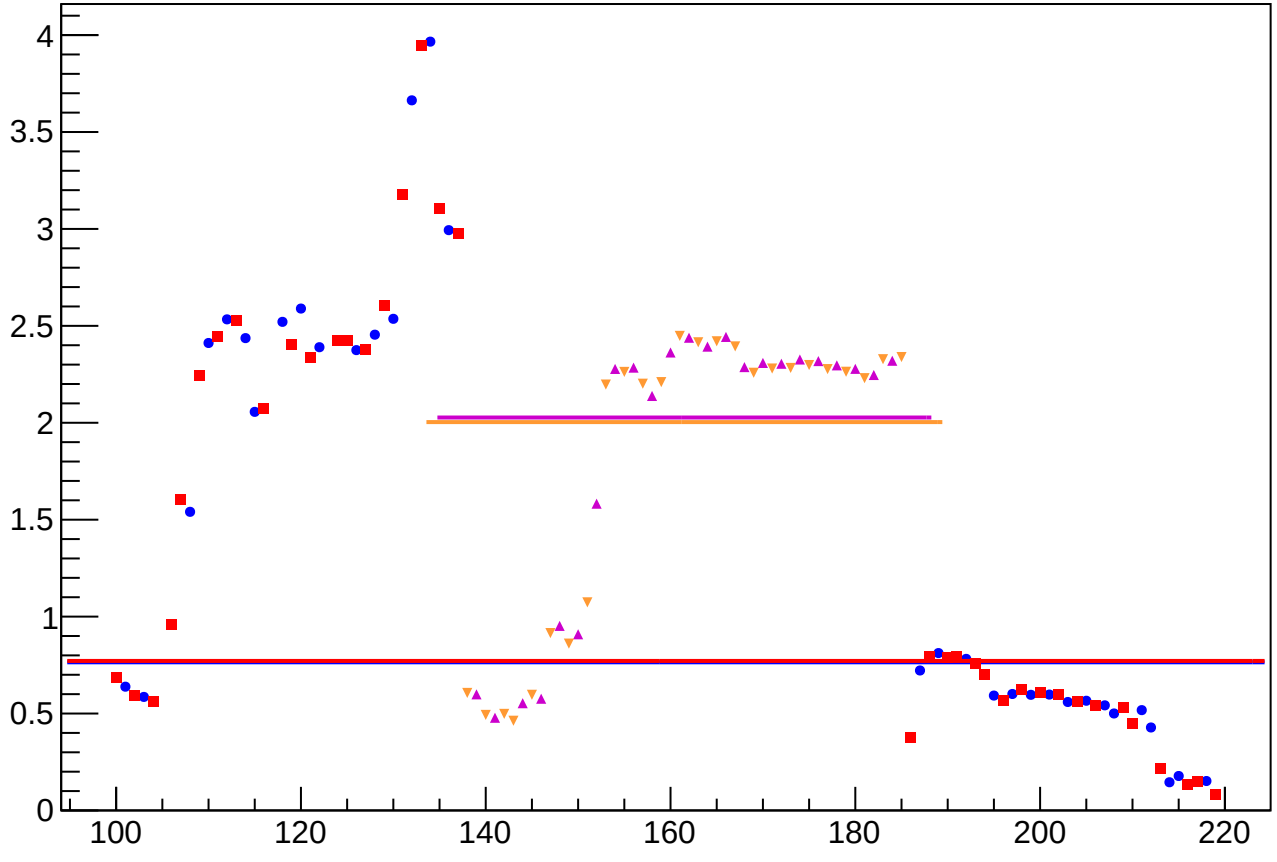
Right: 0.004+/-0.000 χ^2/NDF: 6984166.3/68

In: 0.004+/-0.000 χ^2/NDF:7135364.2/54

Out: 0.004+/-0.000 χ^2/NDF:7462702.4/61

All: 0.004+/-0.000 χ^2/NDF: 14605815.0/116

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 0.764+/-0.000 χ^2/NDF: 280476526438.4/31

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.771+/-0.000 χ^2/NDF: 321107503811.2/36

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

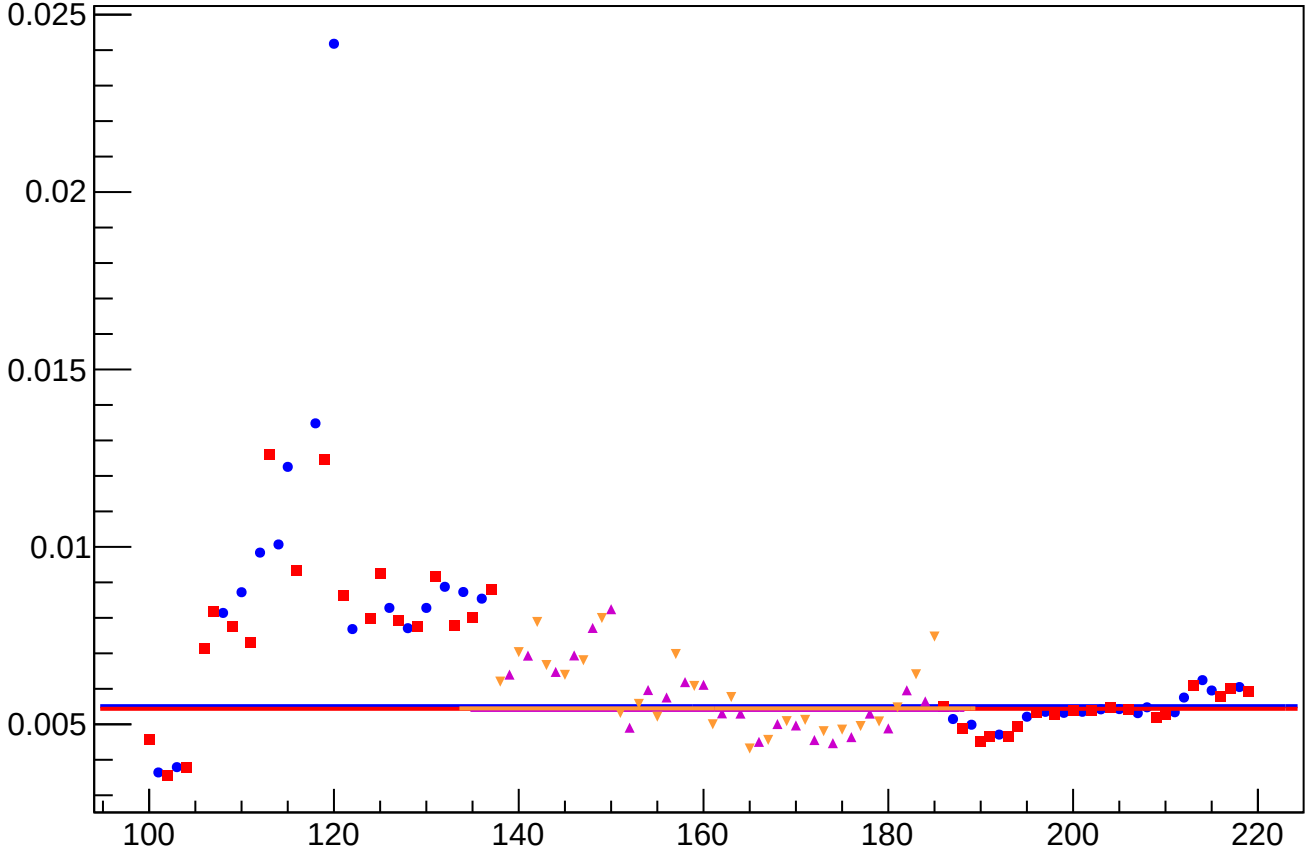
Right: 0.768+/-0.000 χ^2/NDF: 601599060255.0/68

In: 1.370+/-0.000 χ^2/NDF:915672606493.0/54

Out: 1.340+/-0.000 χ^2/NDF:991239867501.2/61

All: 1.355+/-0.000 χ^2/NDF: 1907445117229.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2368580.2/31

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2189101.8/36

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

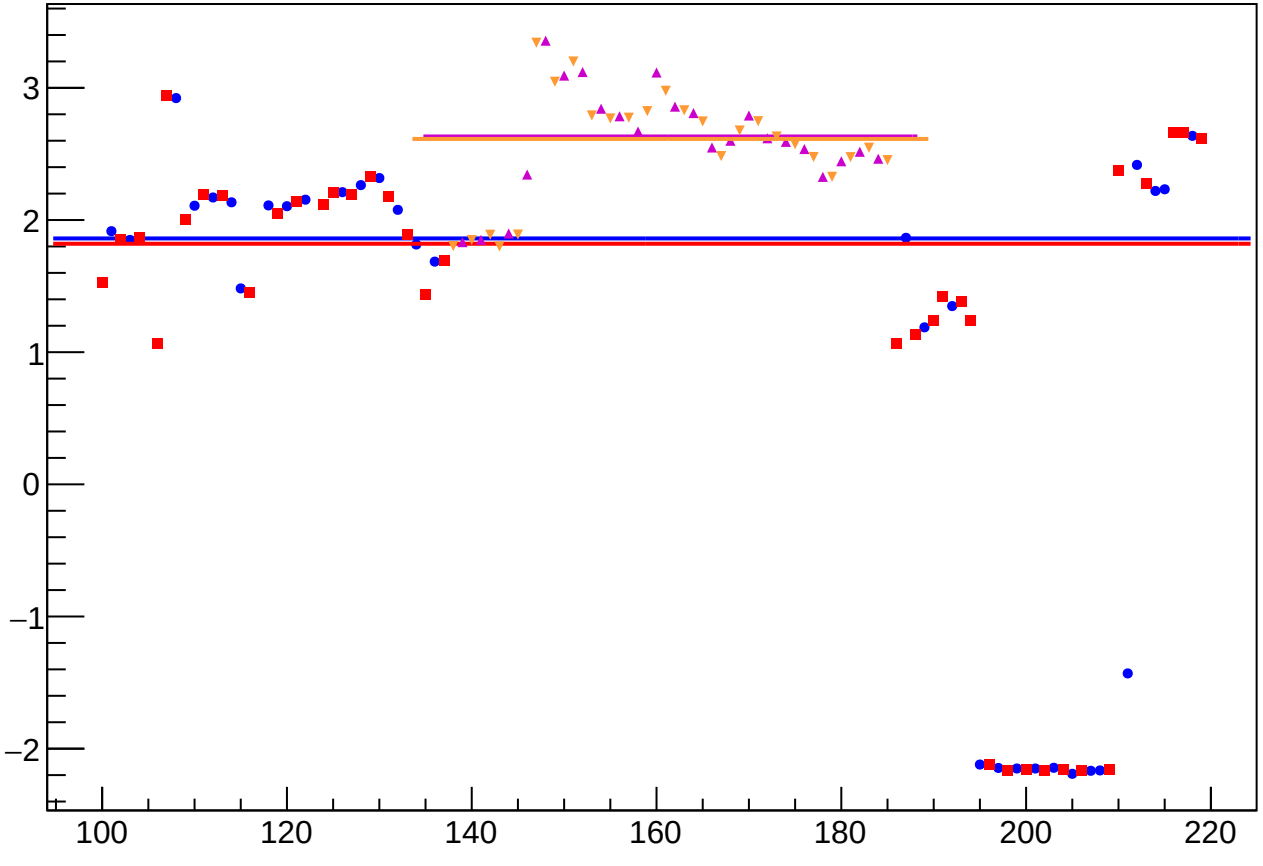
Right: 0.005+/-0.000 χ^2/NDF: 4561068.1/68

In: 0.005+/-0.000 χ^2/NDF:3190001.2/54

Out: 0.005+/-0.000 χ^2/NDF:2960606.0/61

All: 0.005+/-0.000 χ^2/NDF: 6150975.1/116

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.861+/-0.000 χ^2/NDF: 190069254656.6/31

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.820+/-0.000 χ^2/NDF: 177576513279.7/36

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

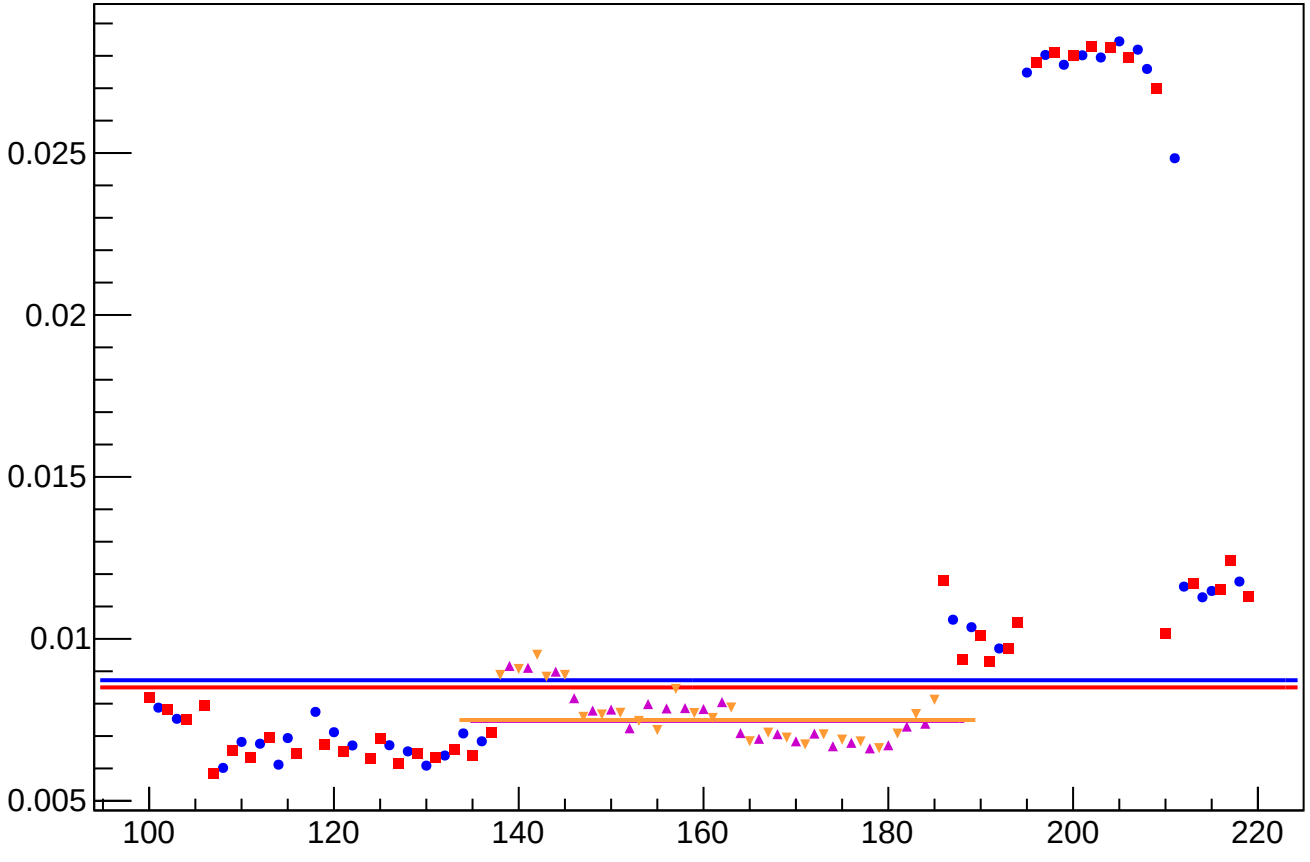
Right: 1.839+/-0.000 χ^2/NDF: 367818411941.0/68

In: 2.331+/-0.000 χ^2/NDF:302700244009.3/54

Out: 2.282+/-0.000 χ^2/NDF:308928475798.1/61

All: 2.305+/-0.000 χ^2/NDF: 612273666606.4

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 8766222.5/31

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 7780181.7/36

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

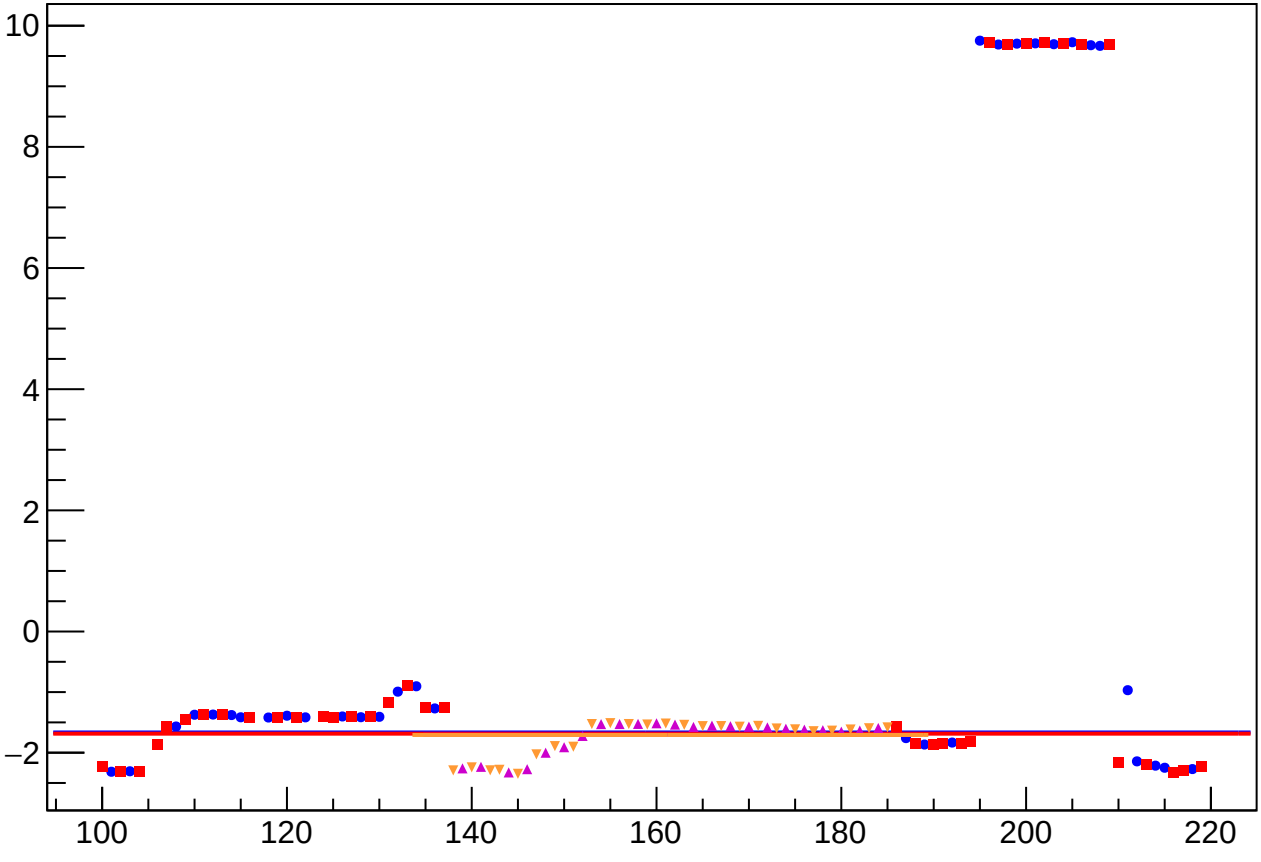
Right: 0.009+/-0.000 χ^2/NDF: 16556897.1/68

In: 0.008+/-0.000 χ^2/NDF:9470203.7/54

Out: 0.008+/-0.000 χ^2/NDF:8386887.1/61

All: 0.008+/-0.000 χ^2/NDF: 17858000.5/116

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.666+/-0.000 χ^2/NDF: 486489470660.6/31

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.686+/-0.000 χ^2/NDF: 477392960406.4/36

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

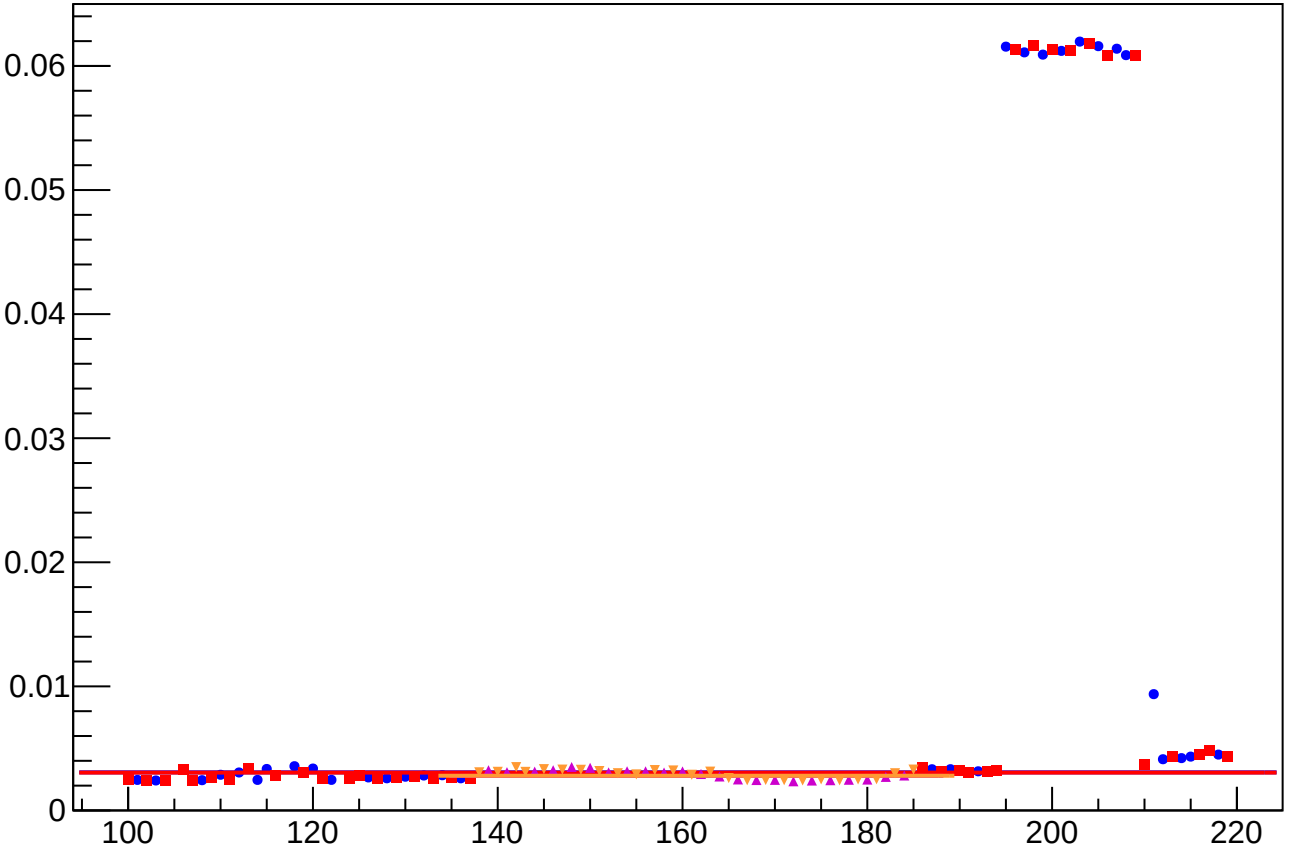
Right: -1.677+/-0.000 χ^2/NDF: 964149038354.6/68

In: -1.691+/-0.000 χ^2/NDF:624256849377.5/54

Out: -1.699+/-0.000 χ^2/NDF:629667982697.3/61

All: -1.695+/-0.000 χ^2/NDF: 1254036953595

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 13637397.6/31

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12301593.1/36

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

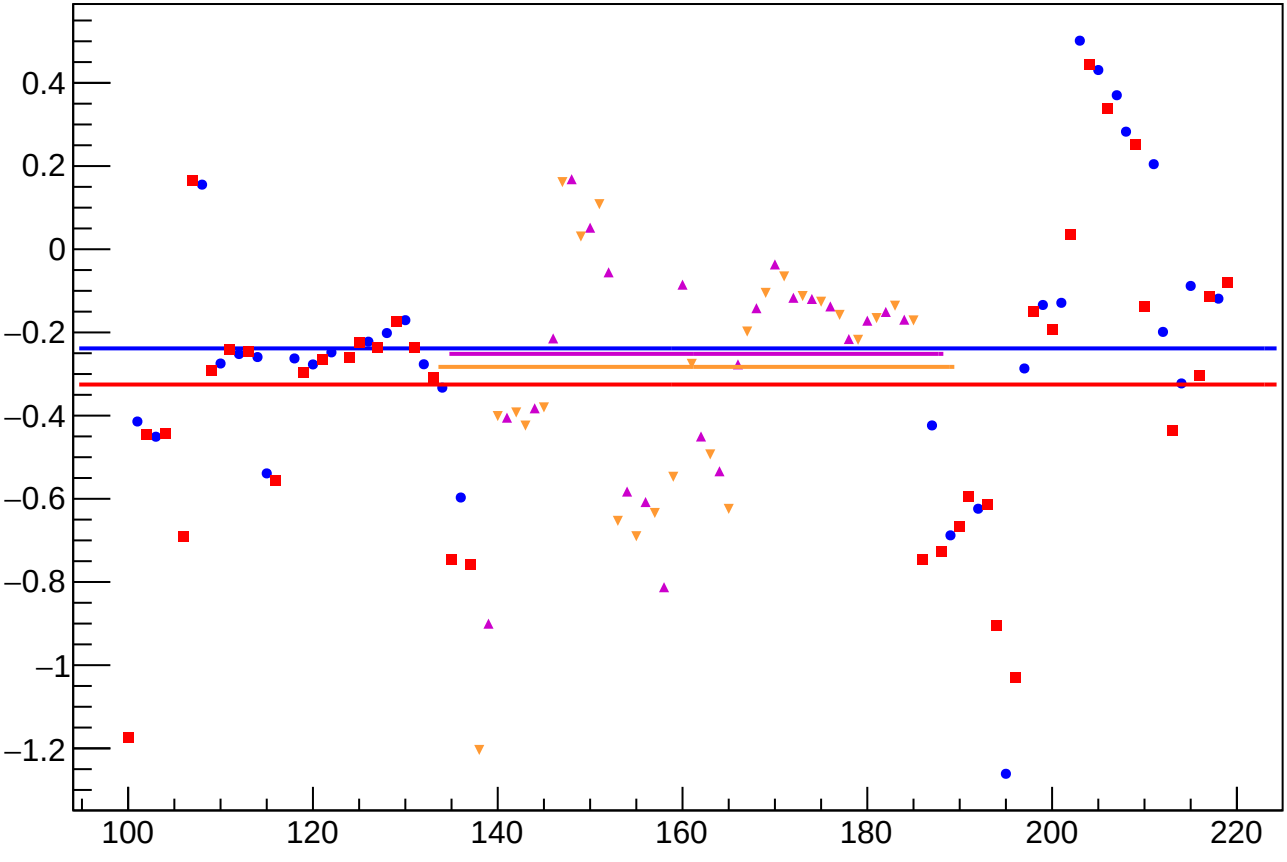
Right: 0.003+/-0.000 χ^2/NDF: 25939553.4/68

In: 0.003+/-0.000 χ^2/NDF:14327804.3/54

Out: 0.003+/-0.000 χ^2/NDF:12968582.4/61

All: 0.003+/-0.000 χ^2/NDF: 27296688.7/116

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.238+/-0.000 χ^2/NDF: 9798159586.6/31

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.325+/-0.000 χ^2/NDF: 10112606325.6/36

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

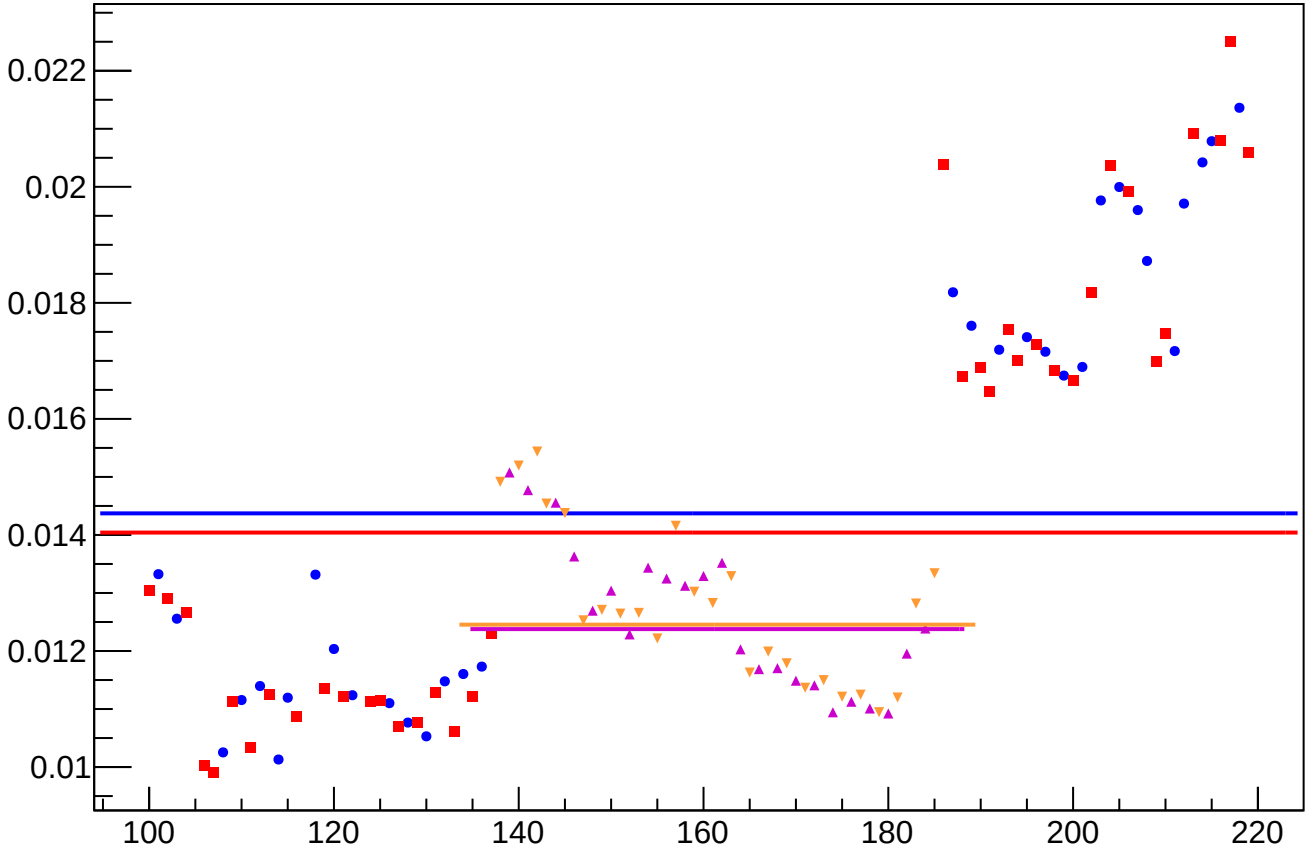
Right: -0.284+/-0.000 χ^2/NDF: 20262789000.7/68

In: -0.246+/-0.000 χ^2/NDF:16974132438.4/54

Out: -0.302+/-0.000 χ^2/NDF:19552701667.9/61

All: -0.275+/-0.000 χ^2/NDF: 36858702196.2/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 2320618.3/31

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2707703.2/36

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

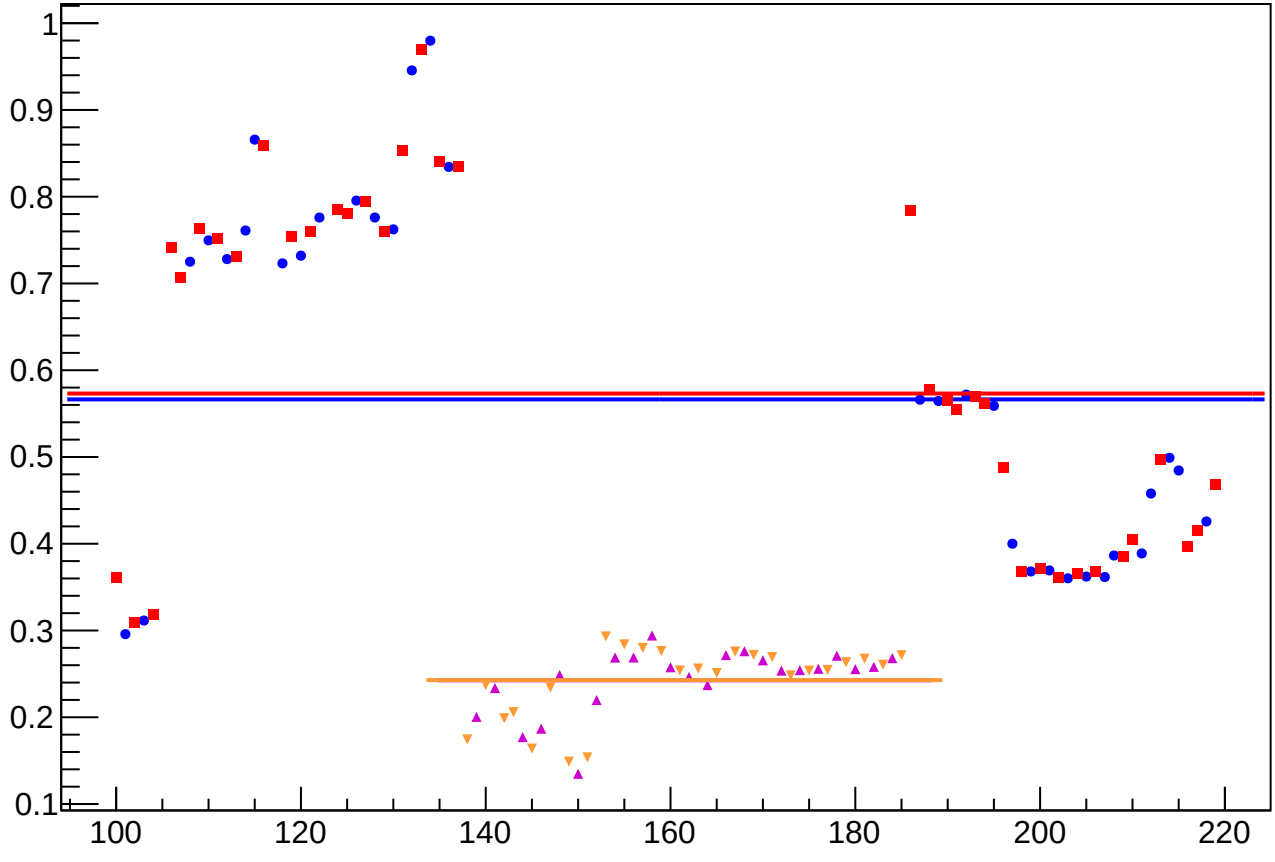
Right: 0.014+/-0.000 χ^2/NDF: 5038539.9/68

In: 0.013+/-0.000 χ^2/NDF:3042387.9/54

Out: 0.013+/-0.000 χ^2/NDF:3319400.2/61

All: 0.013+/-0.000 χ^2/NDF: 6362985.9/116

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.566+/-0.000 χ^2/NDF: 100192295091.7/31

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.573+/-0.000 χ^2/NDF: 97466053920.7/36

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

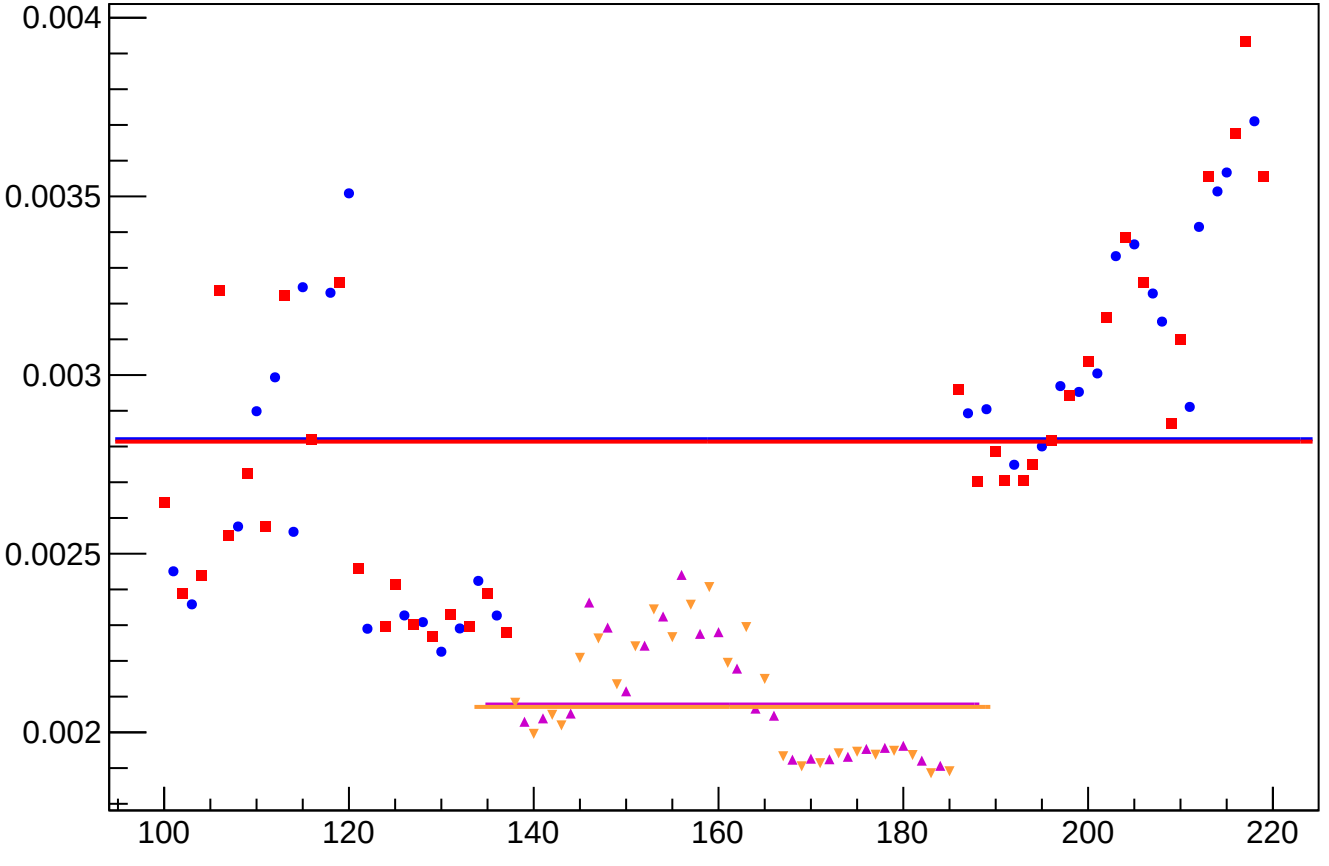
Right: 0.570+/-0.000 χ^2/NDF: 197714649647.3/68

In: 0.360+/-0.000 χ^2/NDF:265821468962.9/54

Out: 0.364+/-0.000 χ^2/NDF:282335051628.0/61

All: 0.362+/-0.000 χ^2/NDF: 548191634583.9

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 919732.8/31

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 902833.6/36

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

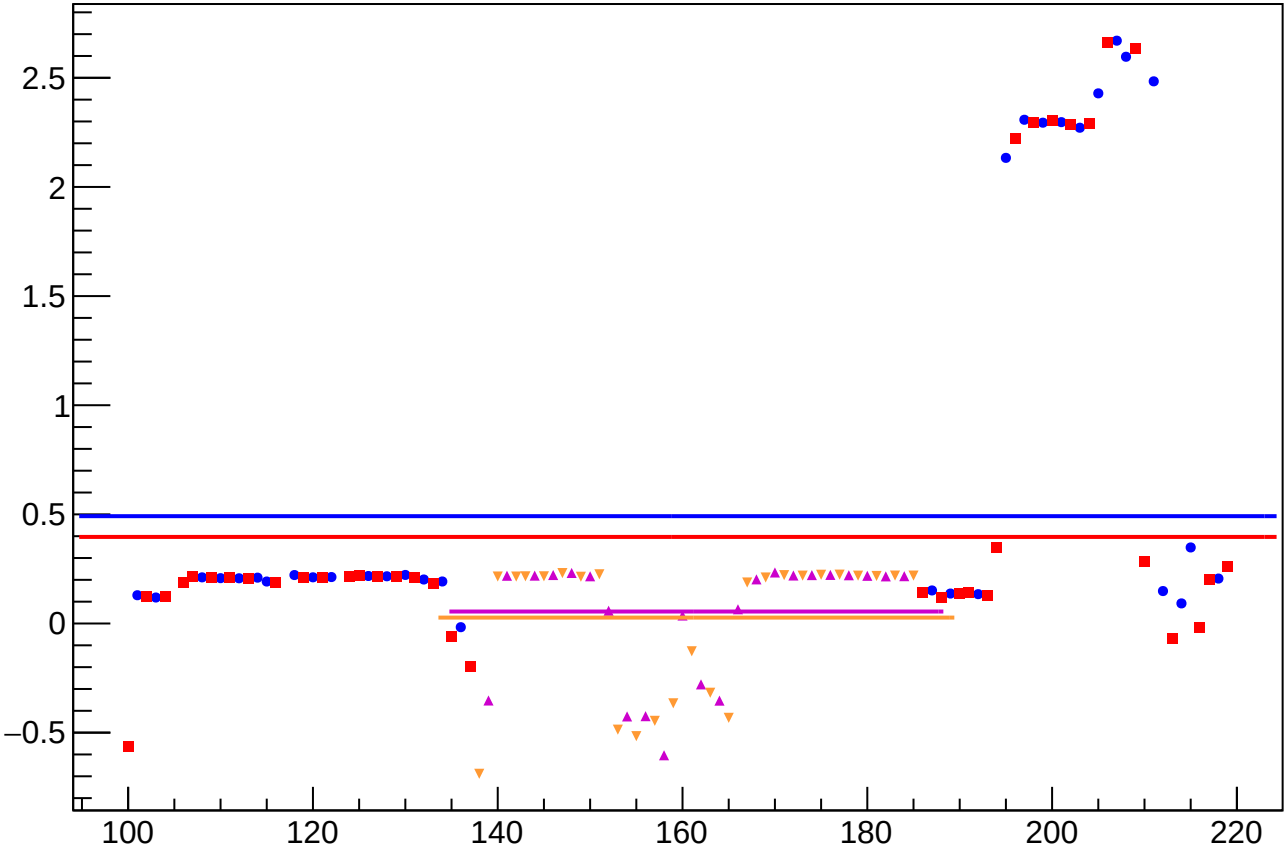
Right: 0.003+/-0.000 χ^2/NDF: 1822679.0/68

In: 0.002+/-0.000 χ^2/NDF:2812580.5/54

Out: 0.002+/-0.000 χ^2/NDF:2931015.3/61

All: 0.002+/-0.000 χ^2/NDF: 5743785.7/116

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.492+/-0.000 χ^2/NDF: 61963276915.7/31

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.397+/-0.000 χ^2/NDF: 55266241142.1/36

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

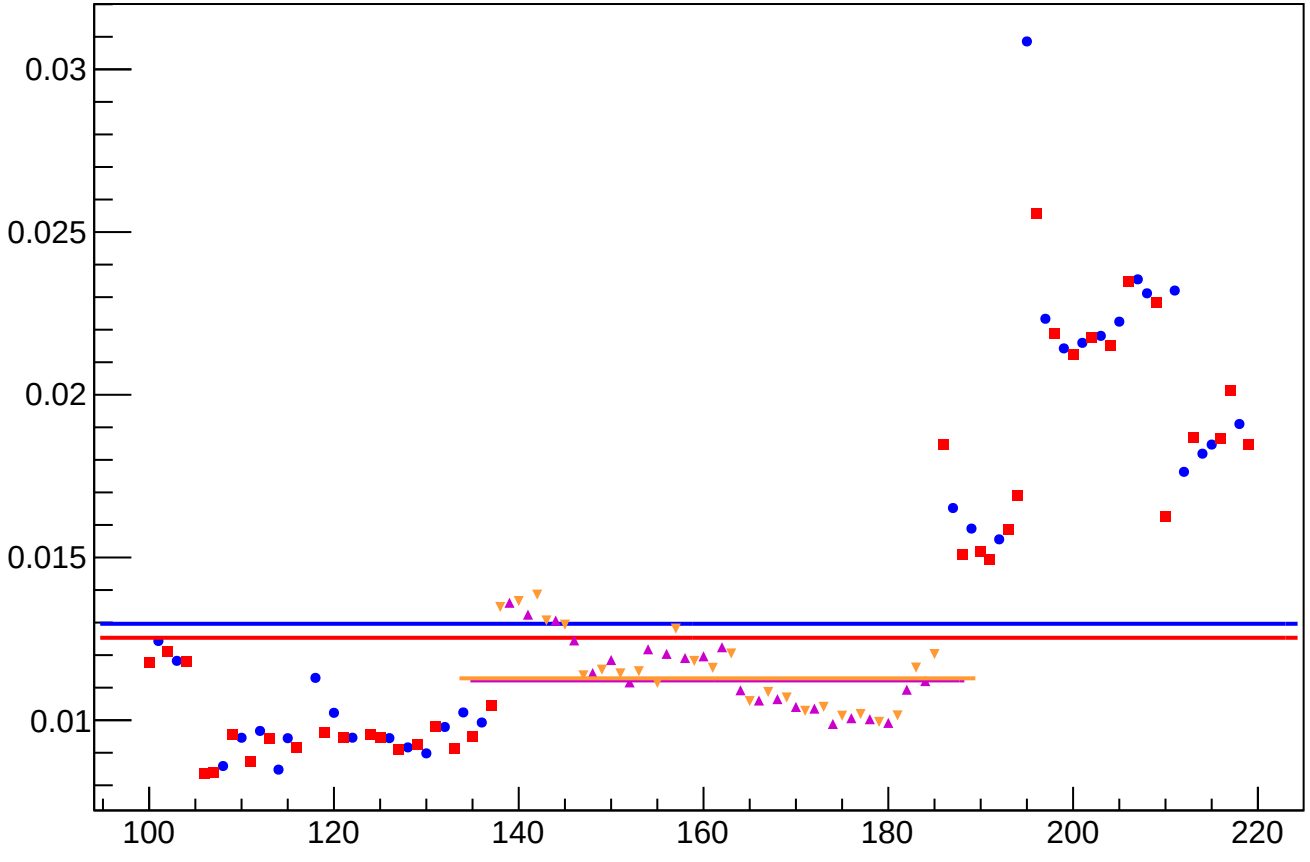
Right: 0.441+/-0.000 χ^2/NDF: 117718955442.8/68

In: 0.240+/-0.000 χ^2/NDF:82801609501.8/54

Out: 0.193+/-0.000 χ^2/NDF:77027695800.7/61

All: 0.215+/-0.000 χ^2/NDF: 160109880812.8

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 5161492.6/31

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.013+/-0.000 χ^2/NDF: 5109216.6/36

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

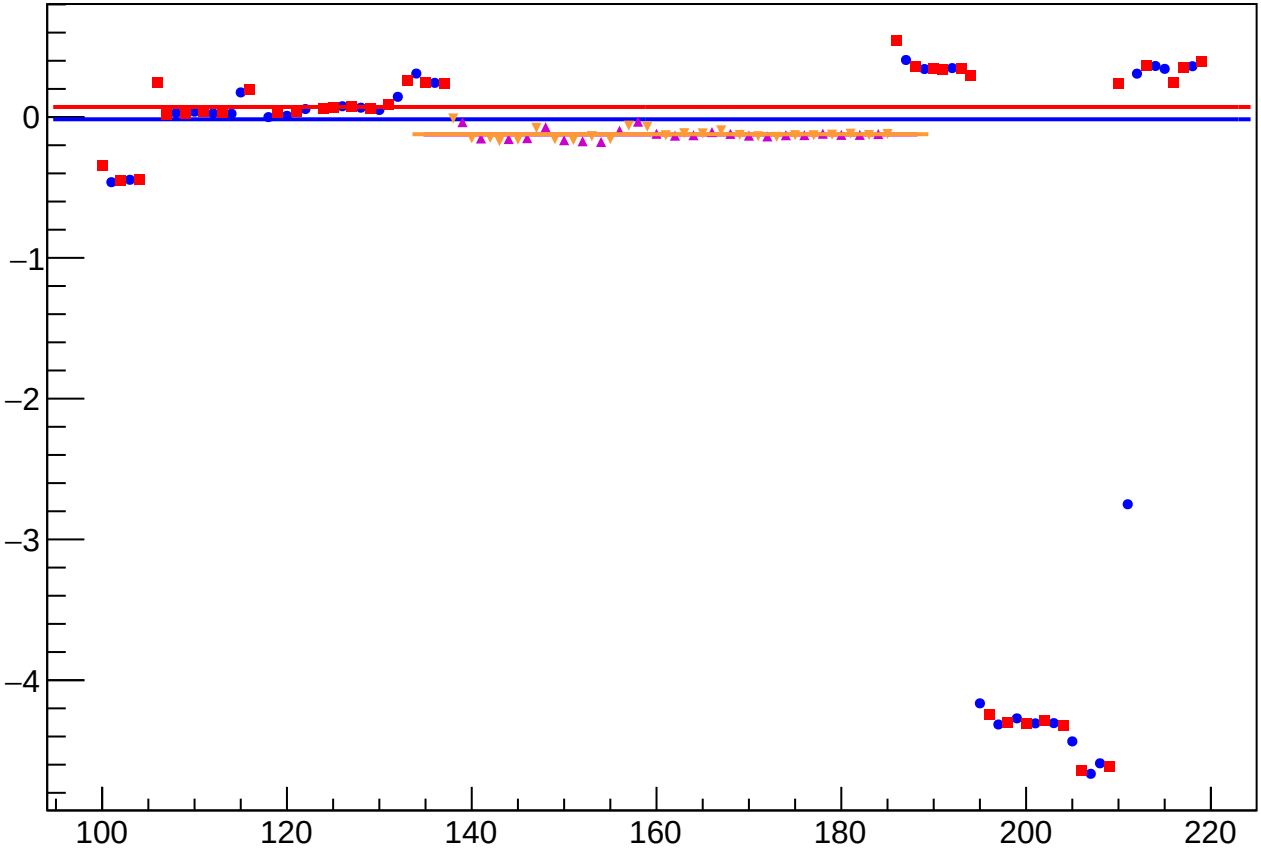
Right: 0.013+/-0.000 χ^2/NDF: 10290732.5/68

In: 0.012+/-0.000 χ^2/NDF:5830164.5/54

Out: 0.012+/-0.000 χ^2/NDF:5637335.4/61

All: 0.012+/-0.000 χ^2/NDF: 11470826.2/116

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.000 χ^2/NDF: 443981286515.3/31

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.072+/-0.000 χ^2/NDF: 407955891733.9/36

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

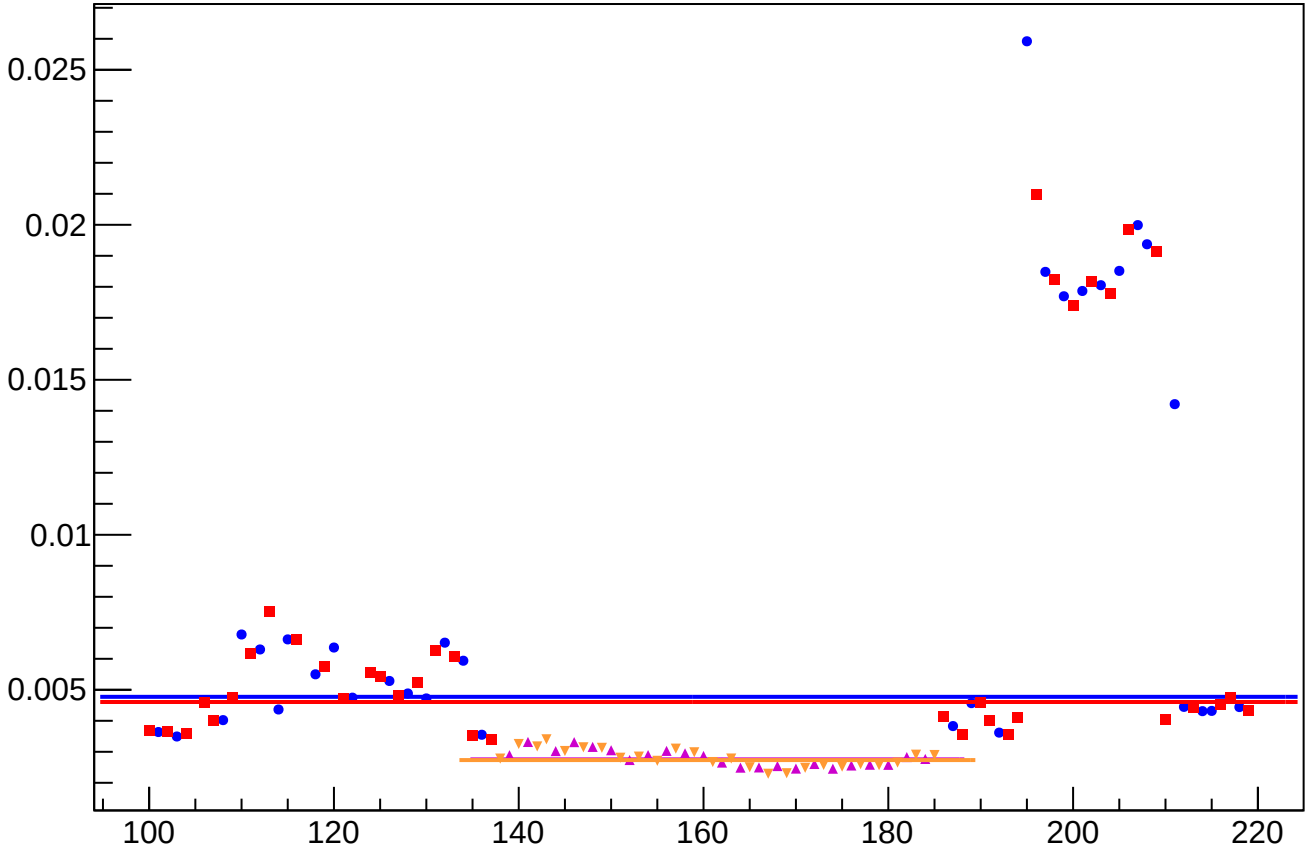
Right: 0.032+/-0.000 χ^2/NDF: 854557061591.4/68

In: -0.100+/-0.000 χ^2/NDF:452499958747.9/54

Out: -0.076+/-0.000 χ^2/NDF:432555163018.9/61

All: -0.088+/-0.000 χ^2/NDF: 885959056190.5

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 9357121.4/31

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8017535.8/36

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

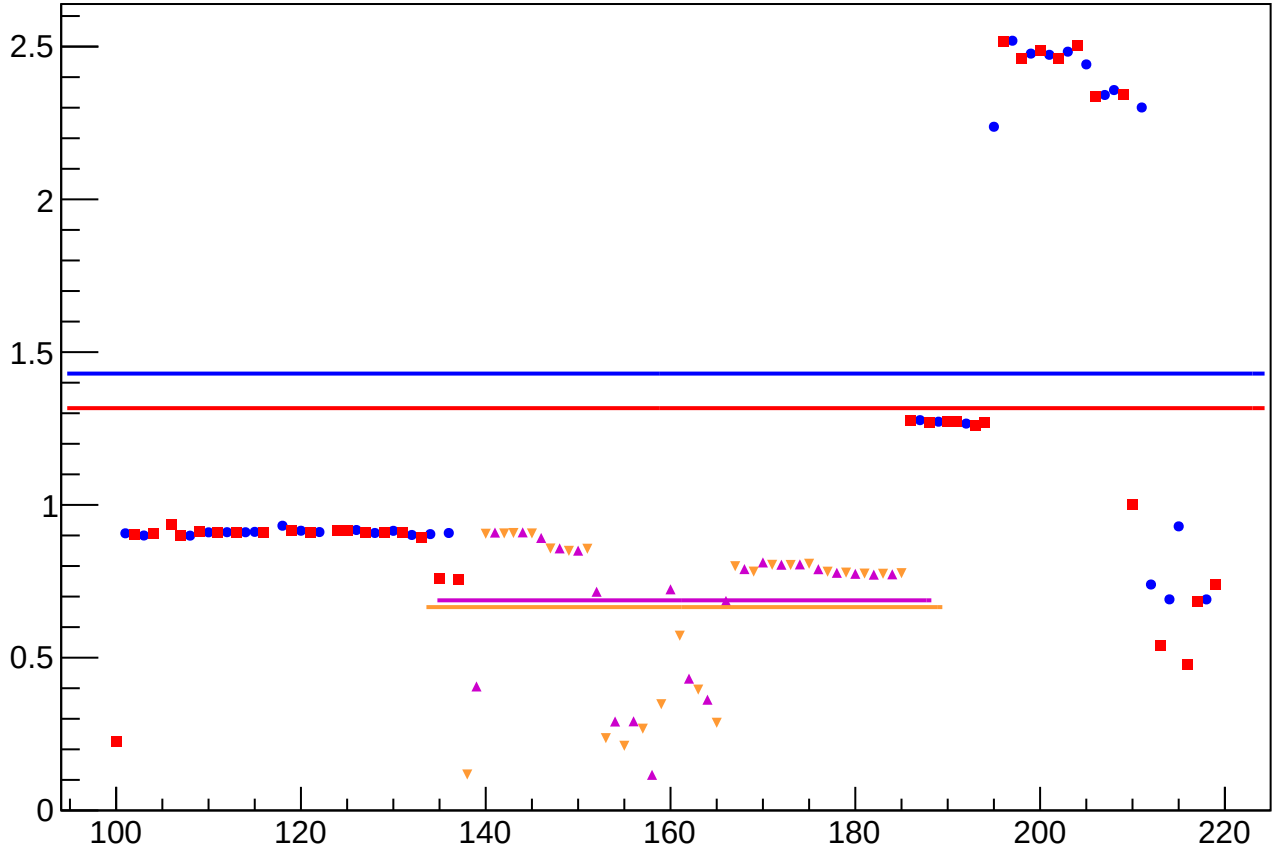
Right: 0.005+/-0.000 χ^2/NDF: 17393685.4/68

In: 0.003+/-0.000 χ^2/NDF:13642734.5/54

Out: 0.003+/-0.000 χ^2/NDF:12476381.2/61

All: 0.003+/-0.000 χ^2/NDF: 26119774.8/116

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 1.430+/-0.000 χ^2/NDF: 58183585275.1/31

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.317+/-0.000 χ^2/NDF: 57182723540.1/36

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

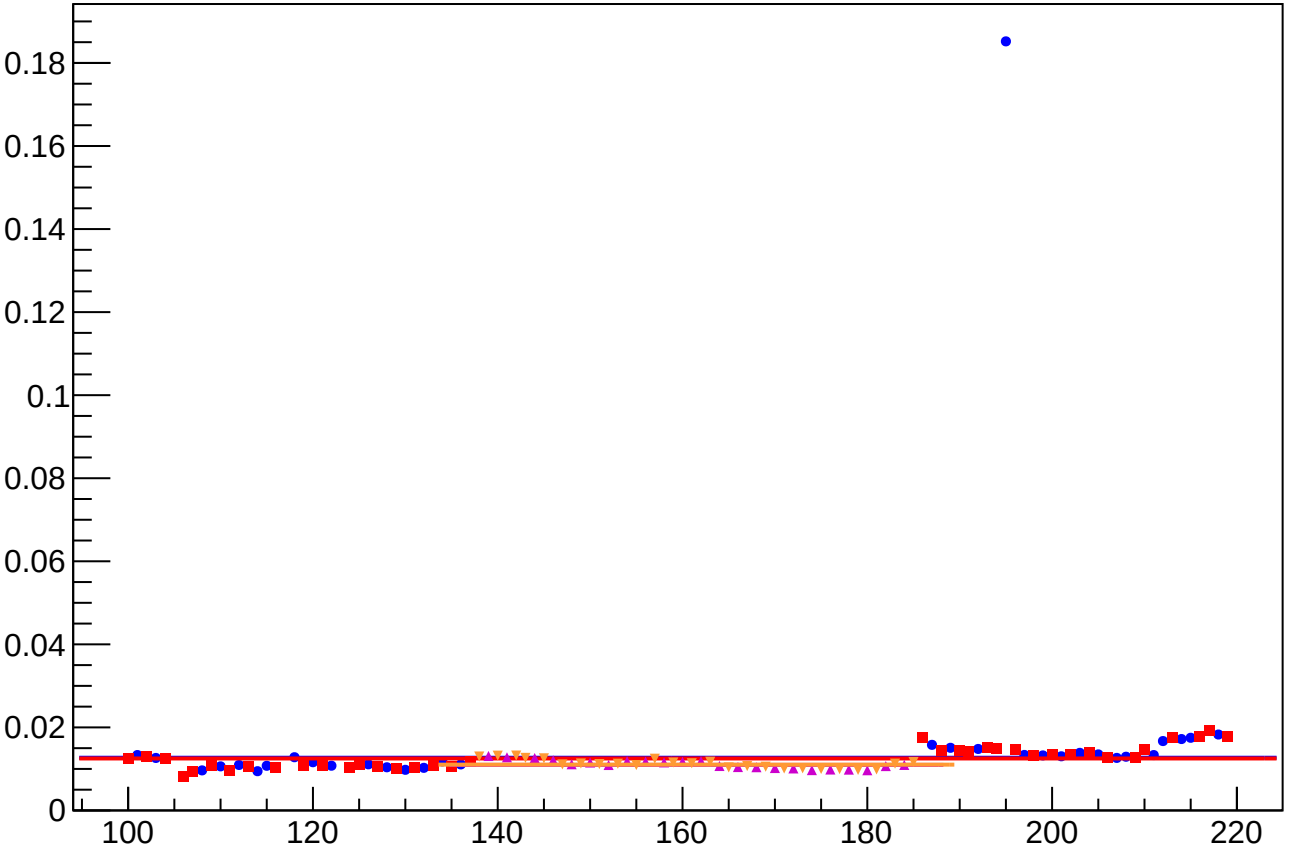
Right: 1.370+/-0.000 χ^2/NDF: 116124193865.0/68

In: 1.013+/-0.000 χ^2/NDF:100163376284.8/54

Out: 0.959+/-0.000 χ^2/NDF:95360498115.0/61

All: 0.985+/-0.000 χ^2/NDF: 195900746896.8

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2570931.0/31

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1506228.5/36

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

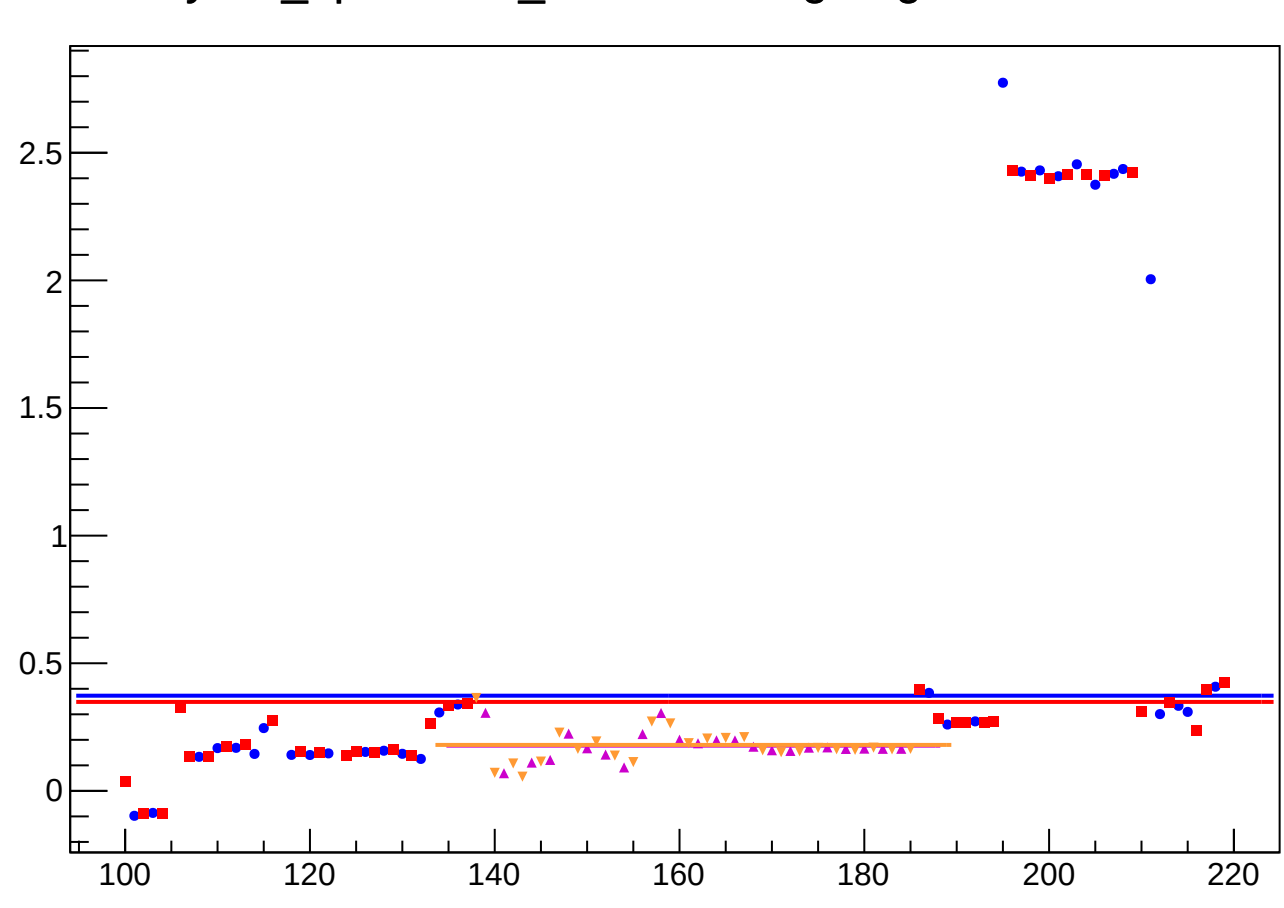
Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

Right: 0.013+/-0.000 χ^2/NDF: 4080843.6/68

In: 0.012+/-0.000 χ^2/NDF:3238497.9/54

Out: 0.012+/-0.000 χ^2/NDF:2108630.9/61

All: 0.012+/-0.000 χ^2/NDF: 5347247.9/116



Right In: 0.373+/-0.000 χ^2/NDF: 191525308704.6/31

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.349+/-0.000 χ^2/NDF: 164198897341.1/36

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

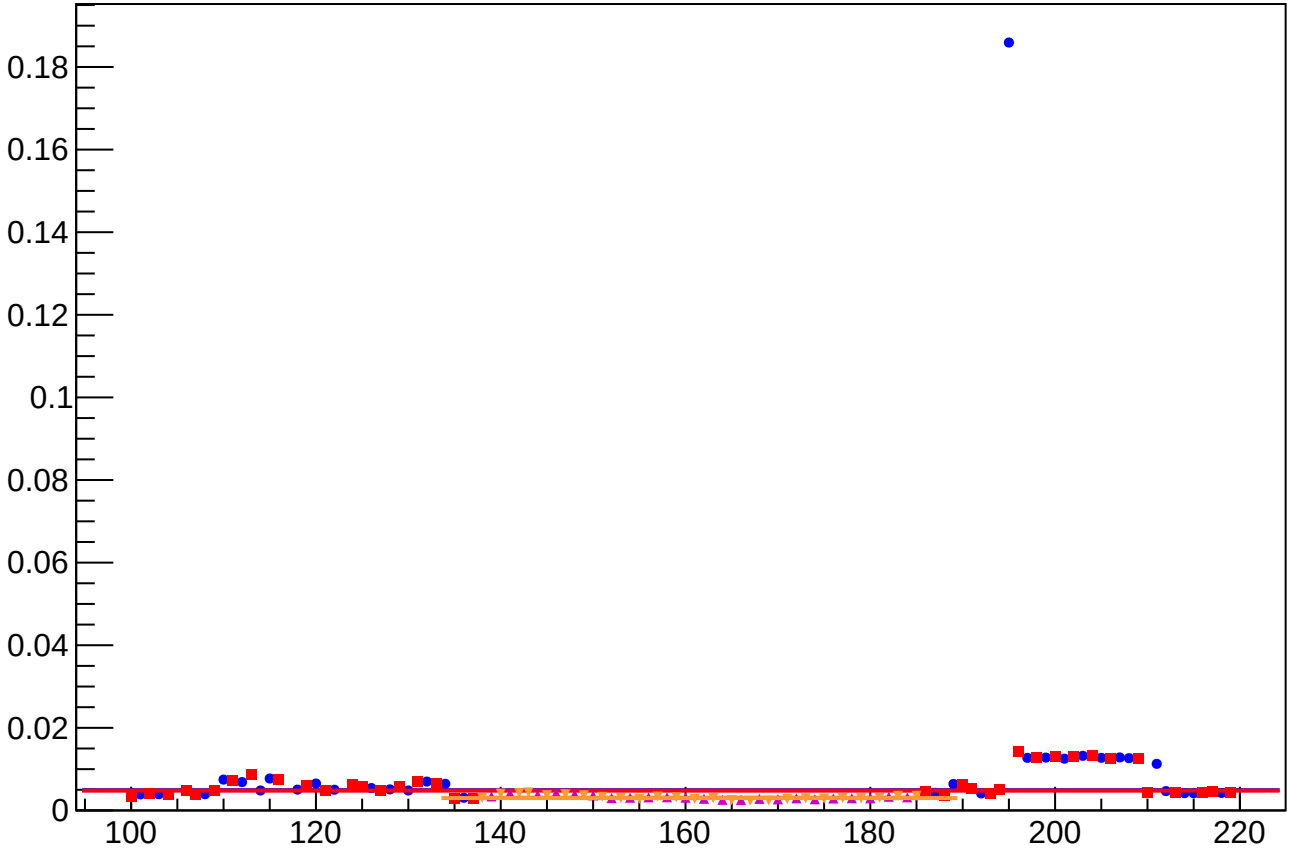
Right: 0.360+/-0.000 χ^2/NDF: 355917646202.1/68

In: 0.227+/-0.000 χ^2/NDF:213473284655.4/54

Out: 0.224+/-0.000 χ^2/NDF:185276207304.0/61

All: 0.226+/-0.000 χ^2/NDF: 398758797664.5

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 7980466.9/31

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF: 6002298.1/36

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

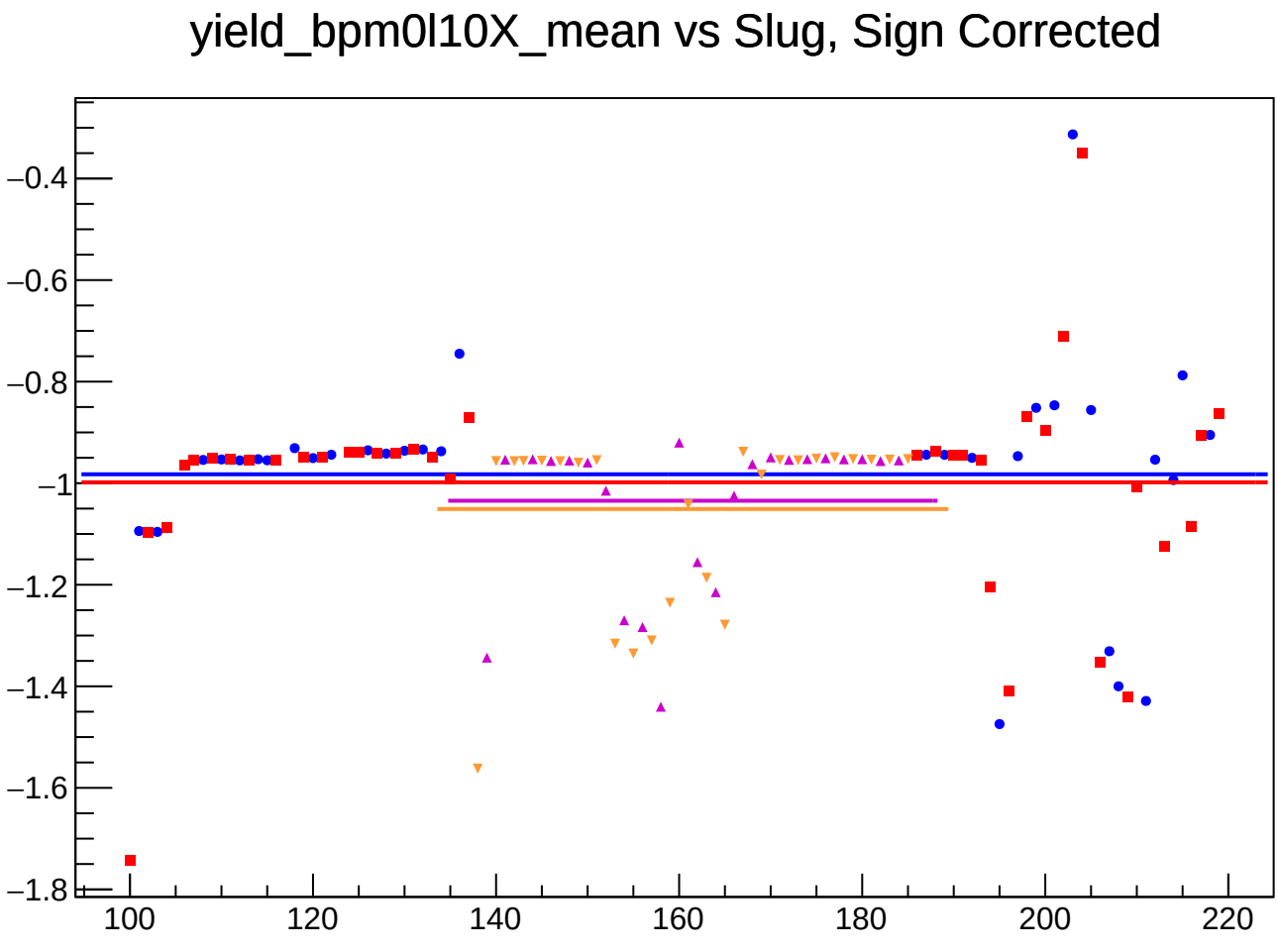
Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

Right: 0.005+/-0.000 χ^2/NDF: 13988681.5/68

In: 0.004+/-0.000 χ^2/NDF:11612784.1/54

Out: 0.003+/-0.000 χ^2/NDF:10271396.3/61

All: 0.004+/-0.000 χ^2/NDF: 21894185.7/116



Right In: -0.982+/-0.000 χ^2/NDF: 5990127525.2/31

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.998+/-0.000 χ^2/NDF: 5179381002.9/36

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

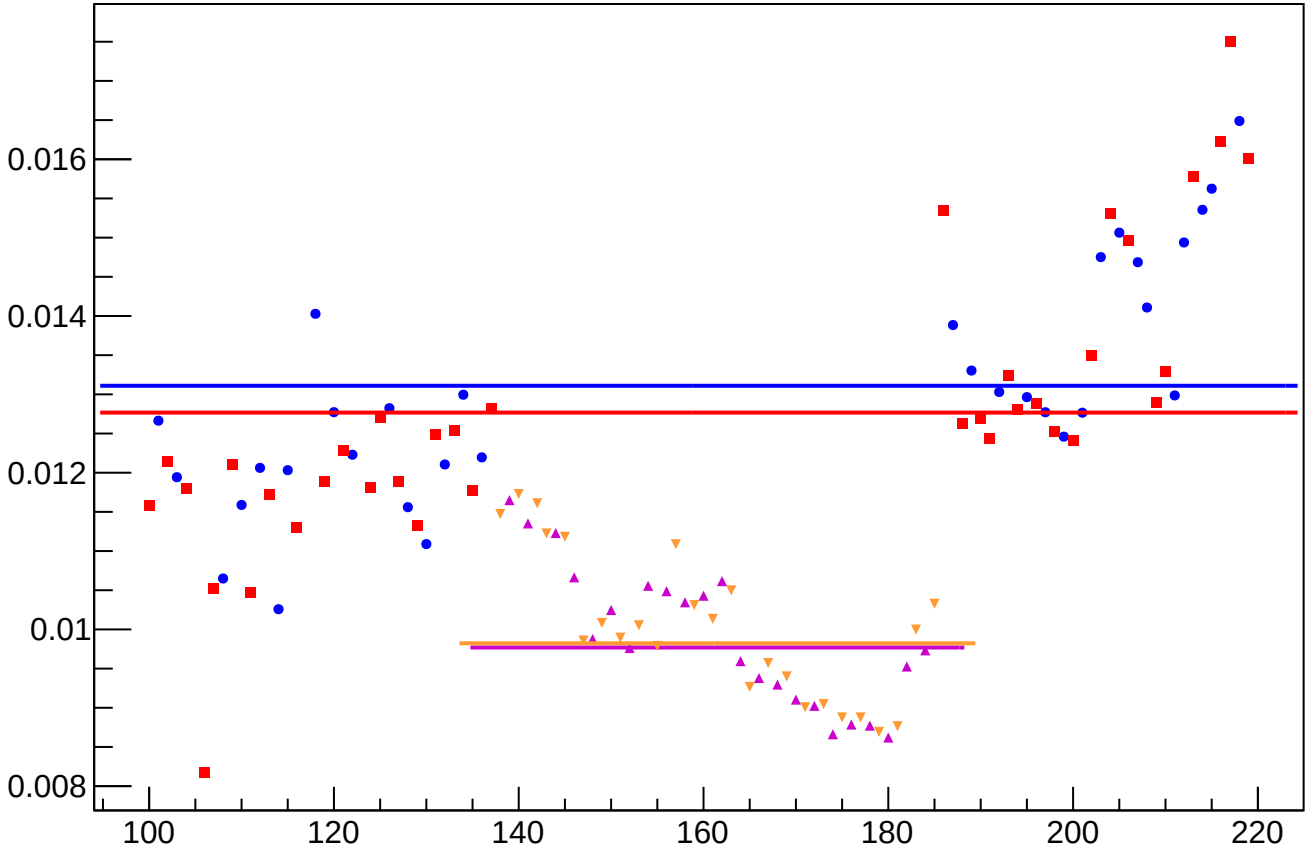
Right: -0.991+/-0.000 χ^2/NDF: 11184199391.1/68

In: -1.015+/-0.000 χ^2/NDF:10104319145.8/54

Out: -1.030+/-0.000 χ^2/NDF:10471193893.5/61

All: -1.023+/-0.000 χ^2/NDF: 20610925787.0/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 431210.8/31

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.013+/-0.000 χ^2/NDF: 759464.0/36

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

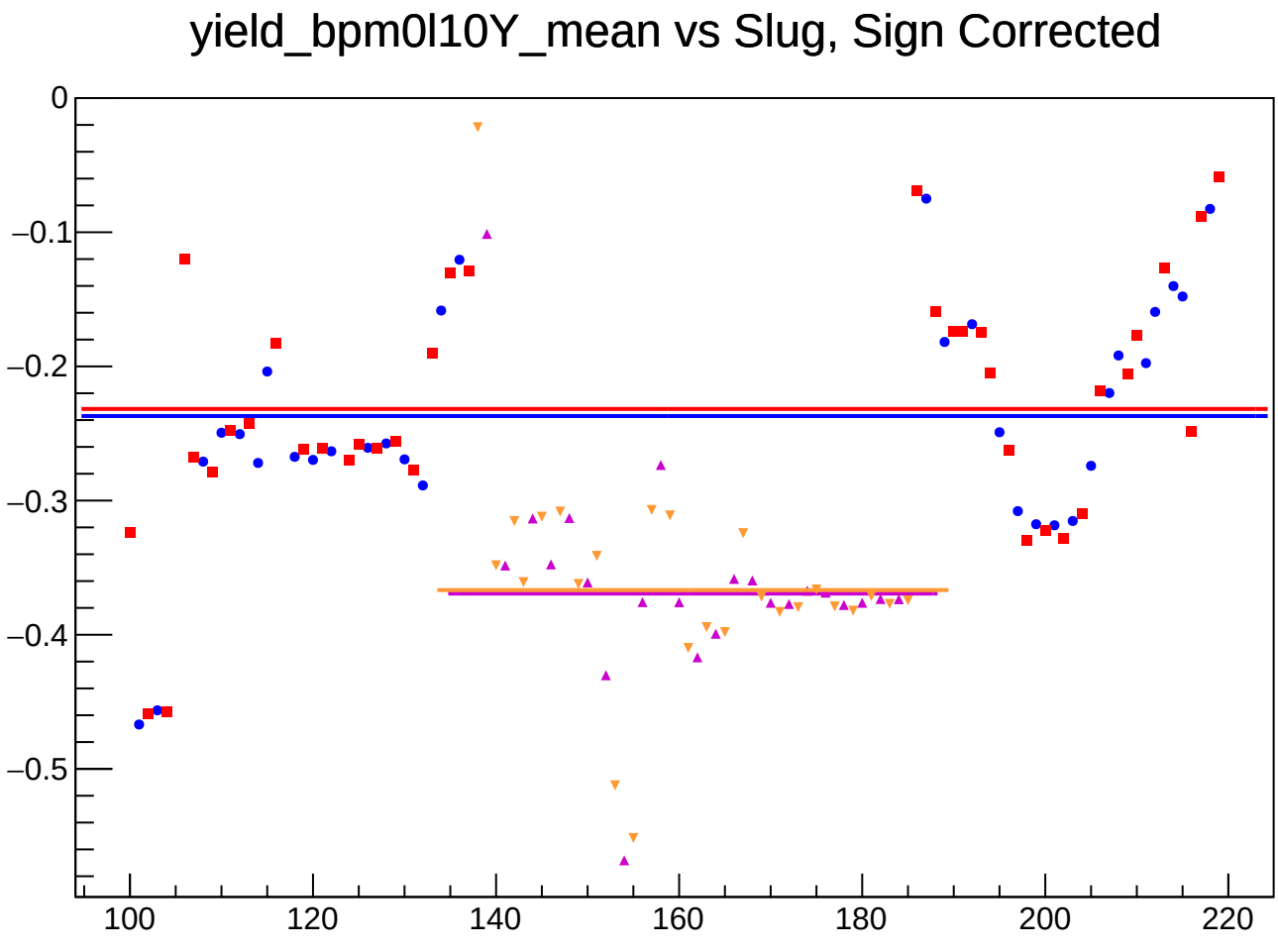
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

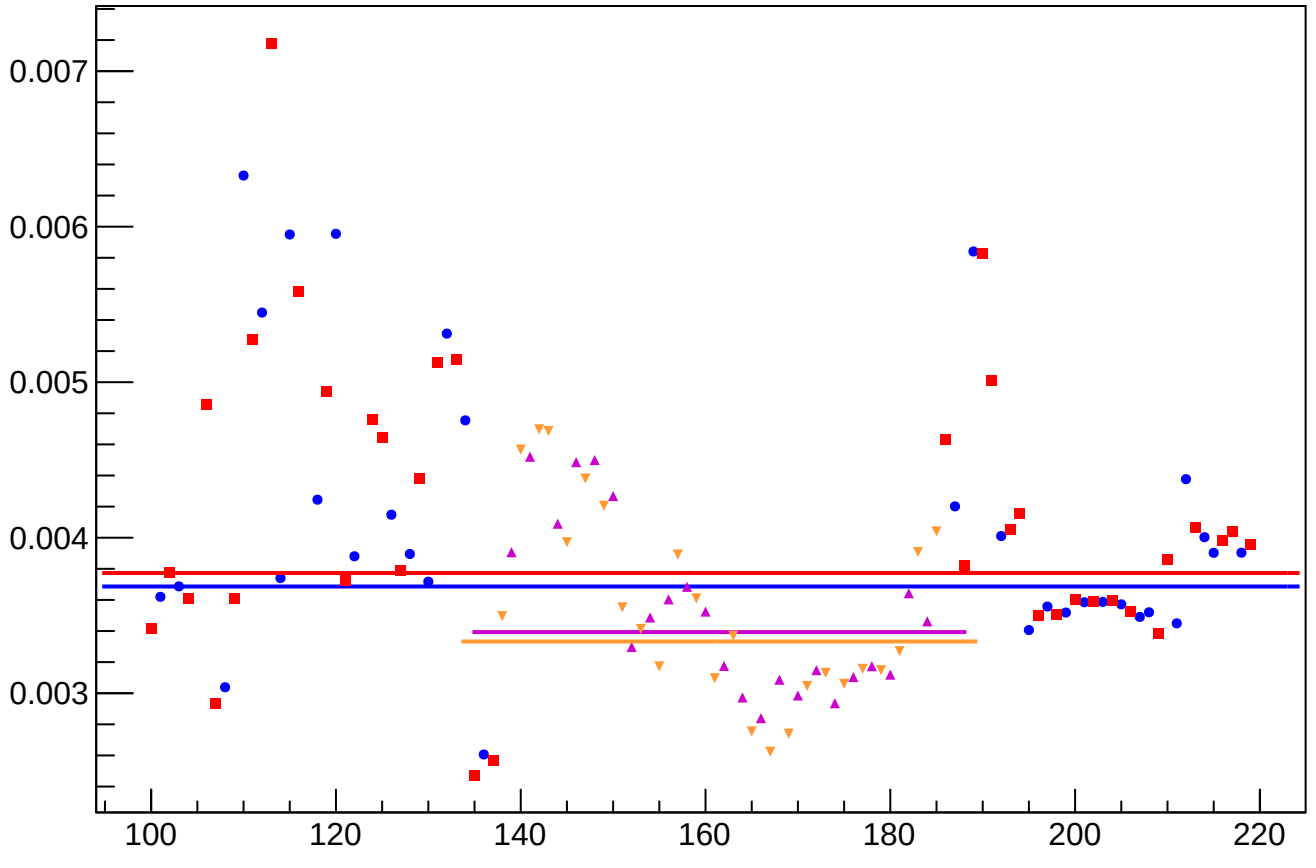
Right: 0.013+/-0.000 χ^2/NDF: 1204488.9/68

In: 0.011+/-0.000 χ^2/NDF:2263185.4/54

Out: 0.011+/-0.000 χ^2/NDF:2366031.7/61

All: 0.011+/-0.000 χ^2/NDF: 4629846.1/116


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
120
140
160
180
200
220
Right In: -0.237+/-0.000 χ²/NDF: 11530585379.6/31
Left Out: -0.367+/-0.000 χ²/NDF:11945266102.2/24
Right Out: -0.232+/-0.000 χ²/NDF: 12442959100.0/36
Left In: -0.369+/-0.000 χ²/NDF:7581323027.3/22
Left: -0.368+/-0.000 χ²/NDF: 19531807890.3/47
Right: -0.234+/-0.000 χ²/NDF: 23992496929.3/68
In: -0.306+/-0.000 χ²/NDF:31261209665.8/54
Out: -0.304+/-0.000 χ²/NDF:37719334512.5/61
All: -0.305+/-0.000 χ²/NDF: 68983388931.8/



Right In: 0.004+/-0.000 χ^2/NDF: 981966.9/31

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1139193.3/36

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

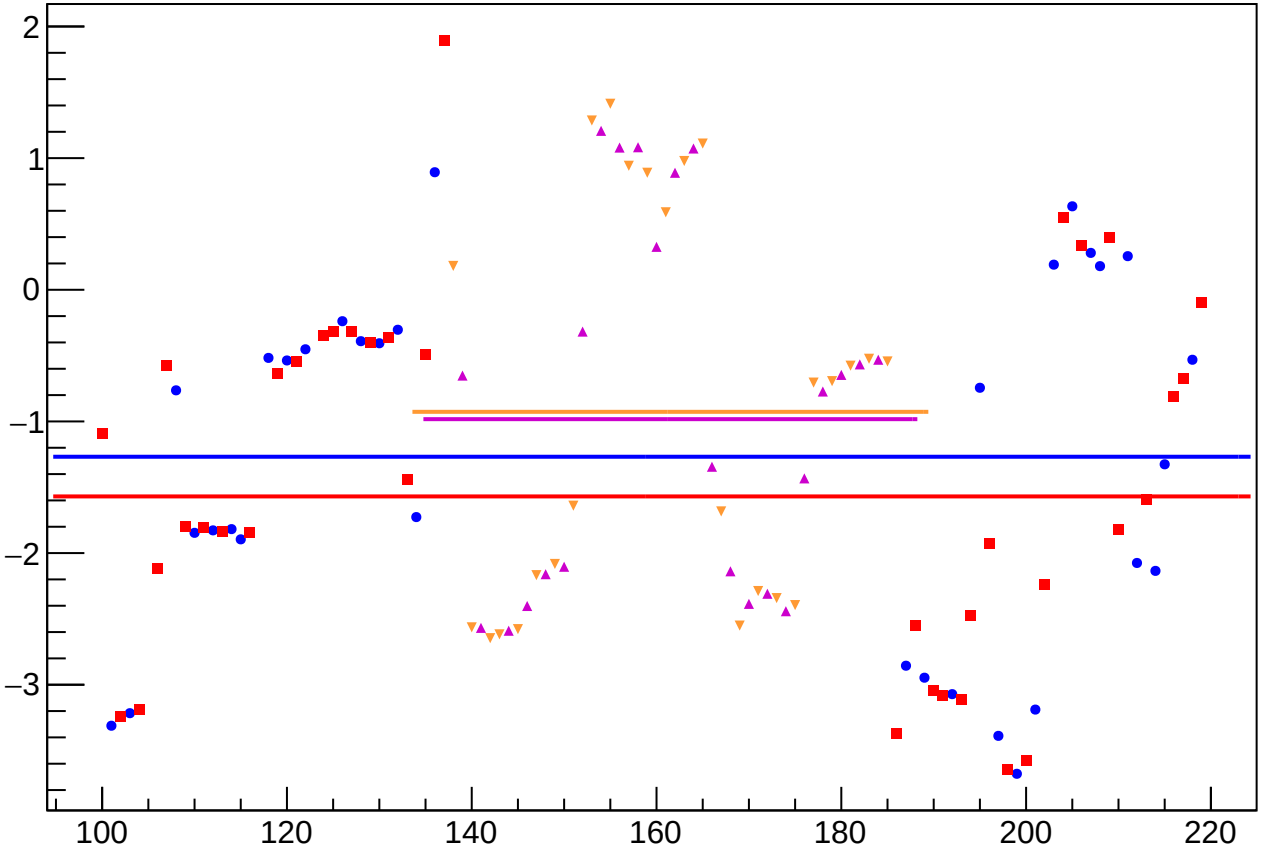
Right: 0.004+/-0.000 χ^2/NDF: 2131332.5/68

In: 0.004+/-0.000 χ^2/NDF:1734692.7/54

Out: 0.004+/-0.000 χ^2/NDF:2280573.3/61

All: 0.004+/-0.000 χ^2/NDF: 4015280.4/116

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.268+/-0.000 χ^2/NDF: 7151051970.3/31

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.570+/-0.000 χ^2/NDF: 6423556263.8/36

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

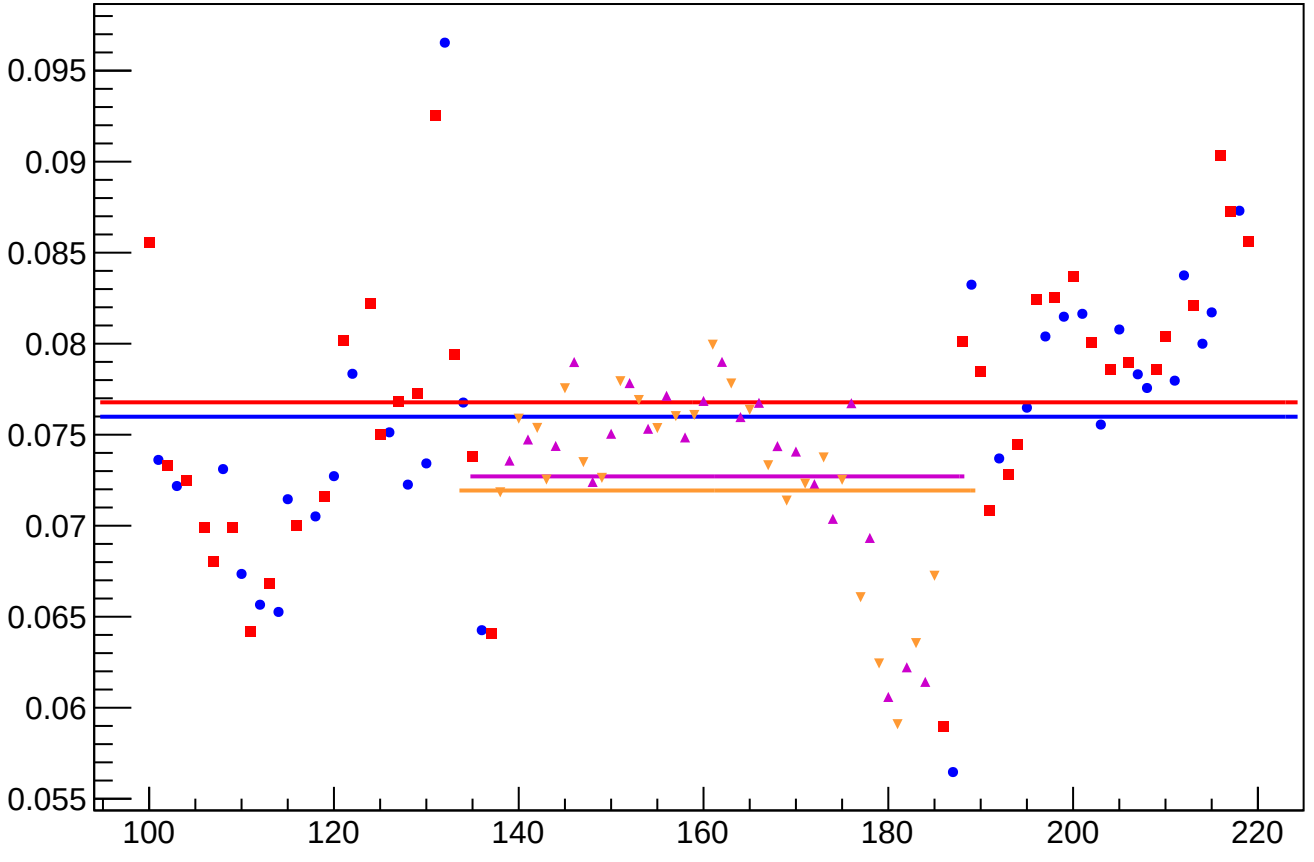
Right: -1.422+/-0.000 χ^2/NDF: 13733381370.7/68

In: -1.126+/-0.000 χ^2/NDF:13208634145.9/54

Out: -1.244+/-0.000 χ^2/NDF:14419791961.9/61

All: -1.187+/-0.000 χ^2/NDF: 27677480906.3/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.076+/-0.000 χ^2/NDF: 294594.7/31

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.077+/-0.000 χ^2/NDF: 348877.6/36

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

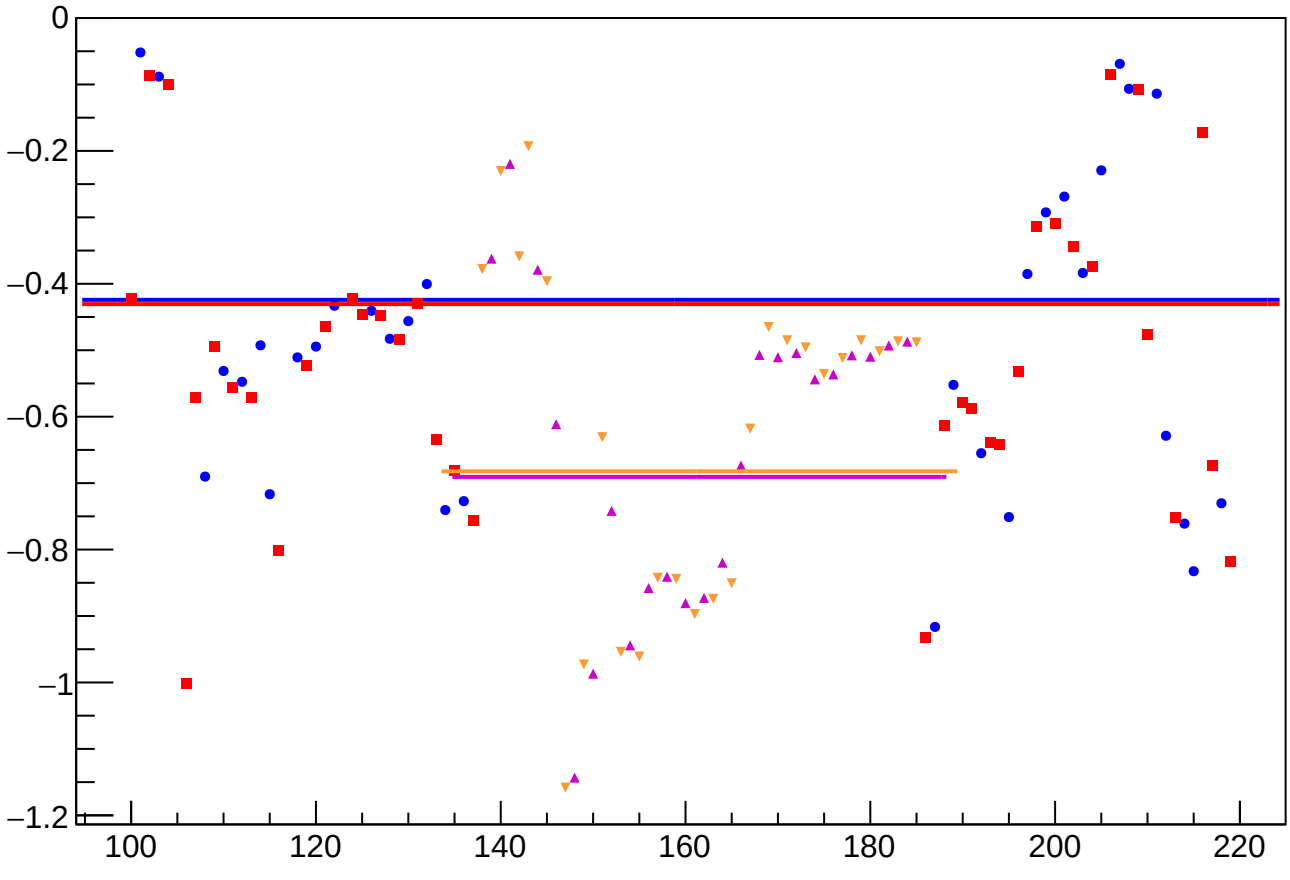
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.076+/-0.000 χ^2/NDF: 645657.6/68

In: 0.074+/-0.000 χ^2/NDF:528178.4/54

Out: 0.074+/-0.000 χ^2/NDF:669369.2/61

All: 0.074+/-0.000 χ^2/NDF: 1197553.5/116



Right In: -0.424+/-0.000 χ^2/NDF: 20774192879.0/31

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.431+/-0.000 χ^2/NDF: 15890396985.7/36

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

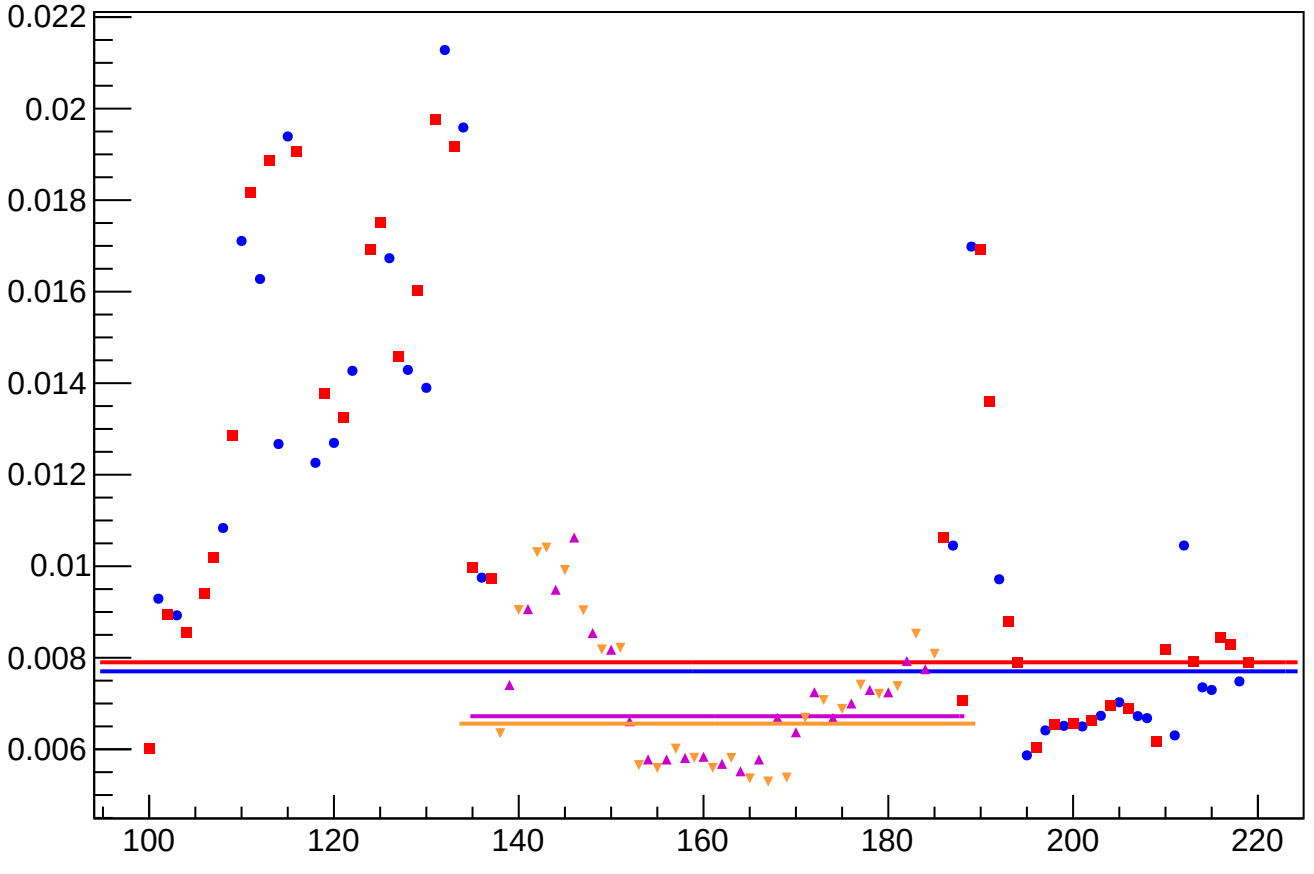
Right: -0.427+/-0.000 χ^2/NDF: 36670699319.3/68

In: -0.573+/-0.000 χ^2/NDF:49191076820.7/54

Out: -0.578+/-0.000 χ^2/NDF:48419539781.6/61

All: -0.576+/-0.000 χ^2/NDF: 97618127104.2/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3194345.4/31

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3266763.0/36

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

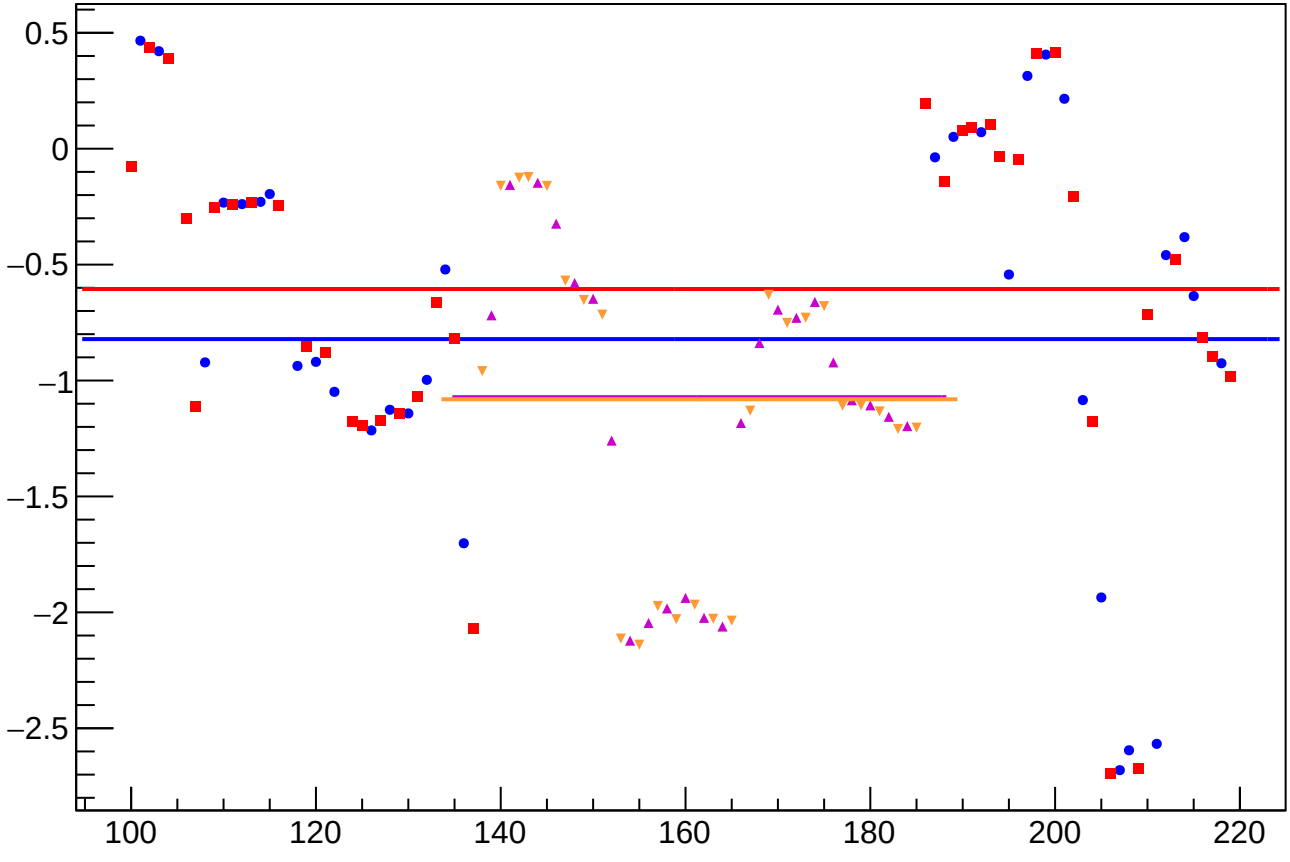
Right: 0.008+/-0.000 χ^2/NDF: 6472424.2/68

In: 0.007+/-0.000 χ^2/NDF:4468294.2/54

Out: 0.007+/-0.000 χ^2/NDF:5278733.1/61

All: 0.007+/-0.000 χ^2/NDF: 9748014.6/116

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.821+/-0.000 χ^2/NDF: 1987025889.8/31

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.605+/-0.000 χ^2/NDF: 1684275067.3/36

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

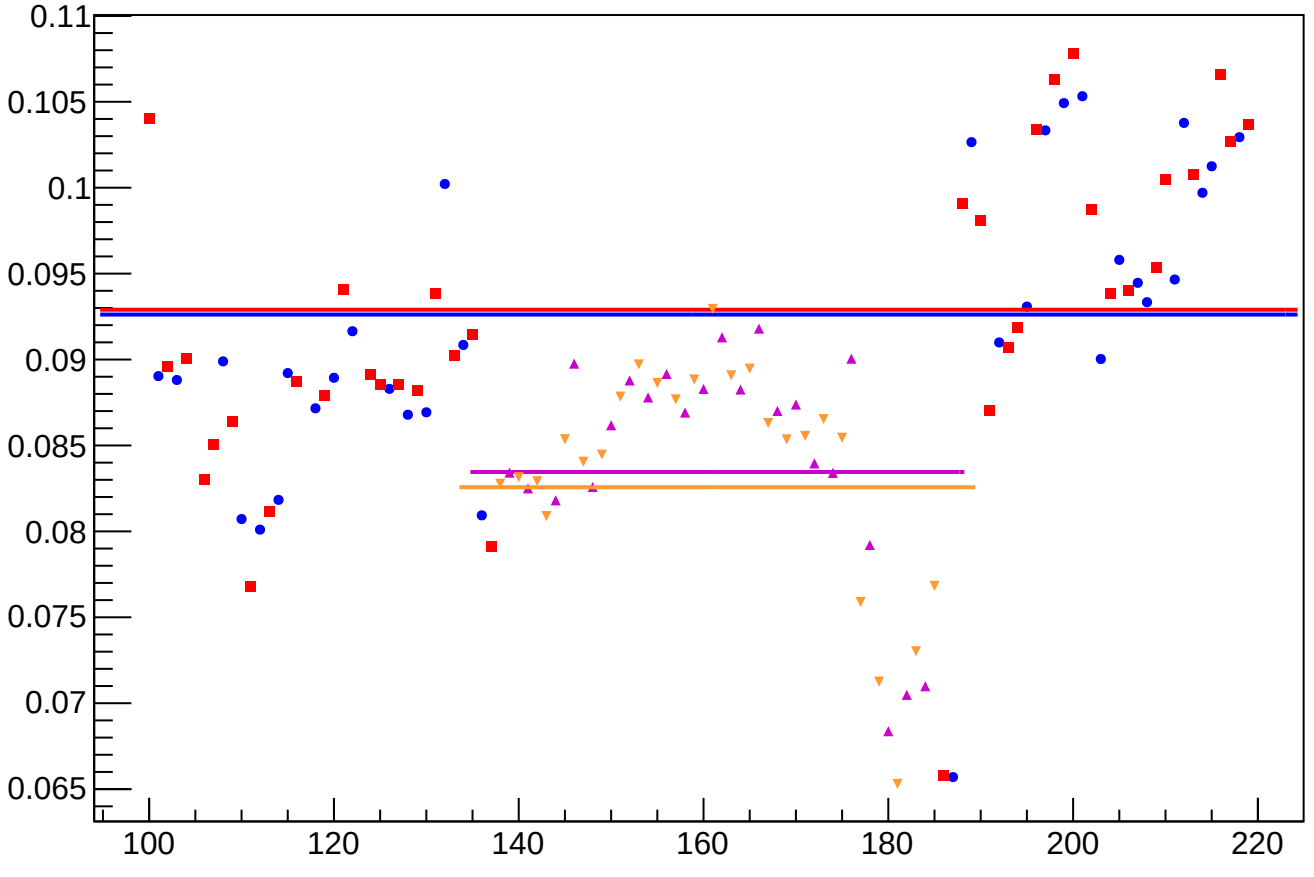
Right: -0.710+/-0.000 χ^2/NDF: 3727110748.6/68

In: -0.953+/-0.000 χ^2/NDF:3039476868.9/54

Out: -0.859+/-0.000 χ^2/NDF:3133056835.4/61

All: -0.904+/-0.000 χ^2/NDF: 6195433391.5/1

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.093+/-0.000 χ^2/NDF: 311399.6/31

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.093+/-0.000 χ^2/NDF: 425221.8/36

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

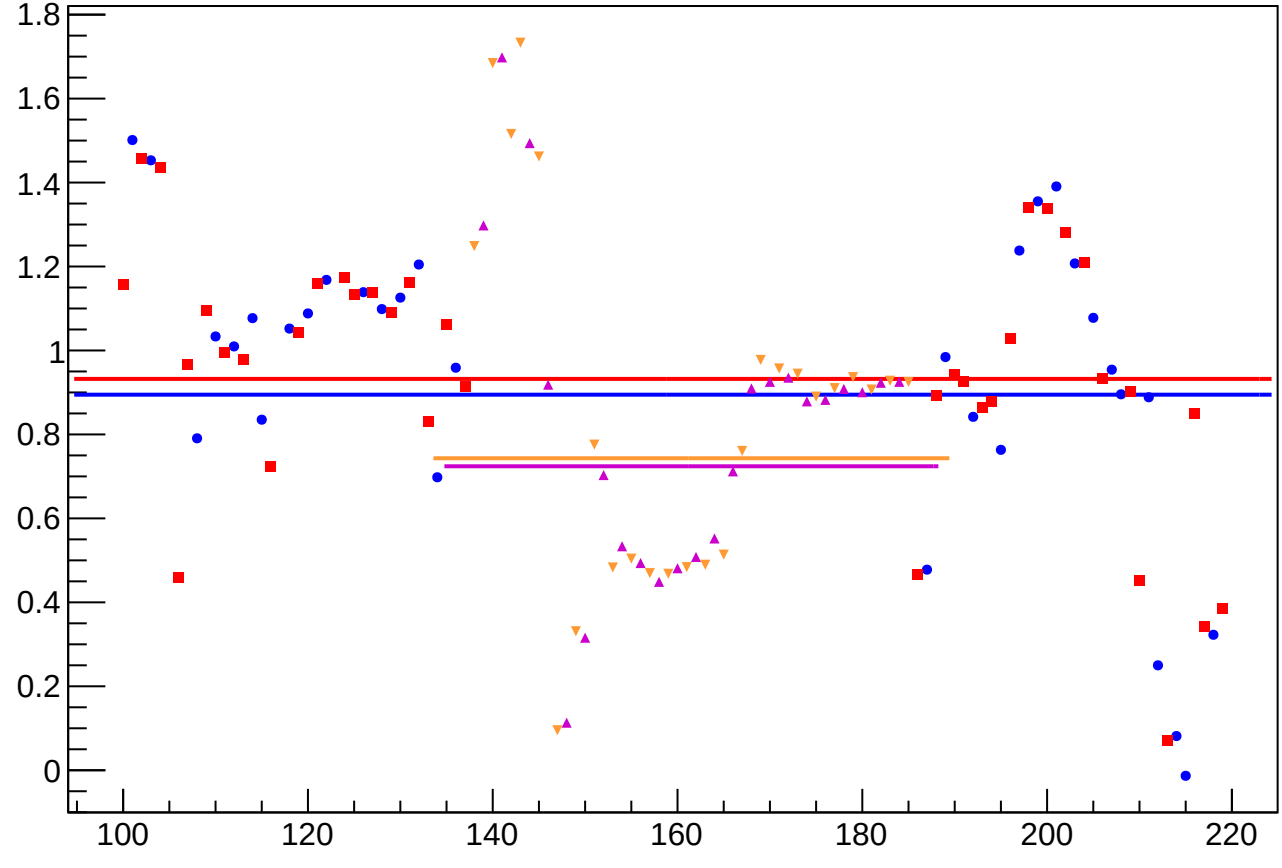
Right: 0.093+/-0.000 χ^2/NDF: 736810.4/68

In: 0.088+/-0.000 χ^2/NDF:755727.4/54

Out: 0.087+/-0.000 χ^2/NDF:996104.8/61

All: 0.088+/-0.000 χ^2/NDF: 1752584.8/116

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 0.895+/-0.000 χ^2/NDF: 25044932519.7/31

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 0.932+/-0.000 χ^2/NDF: 17932029082.3/36

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

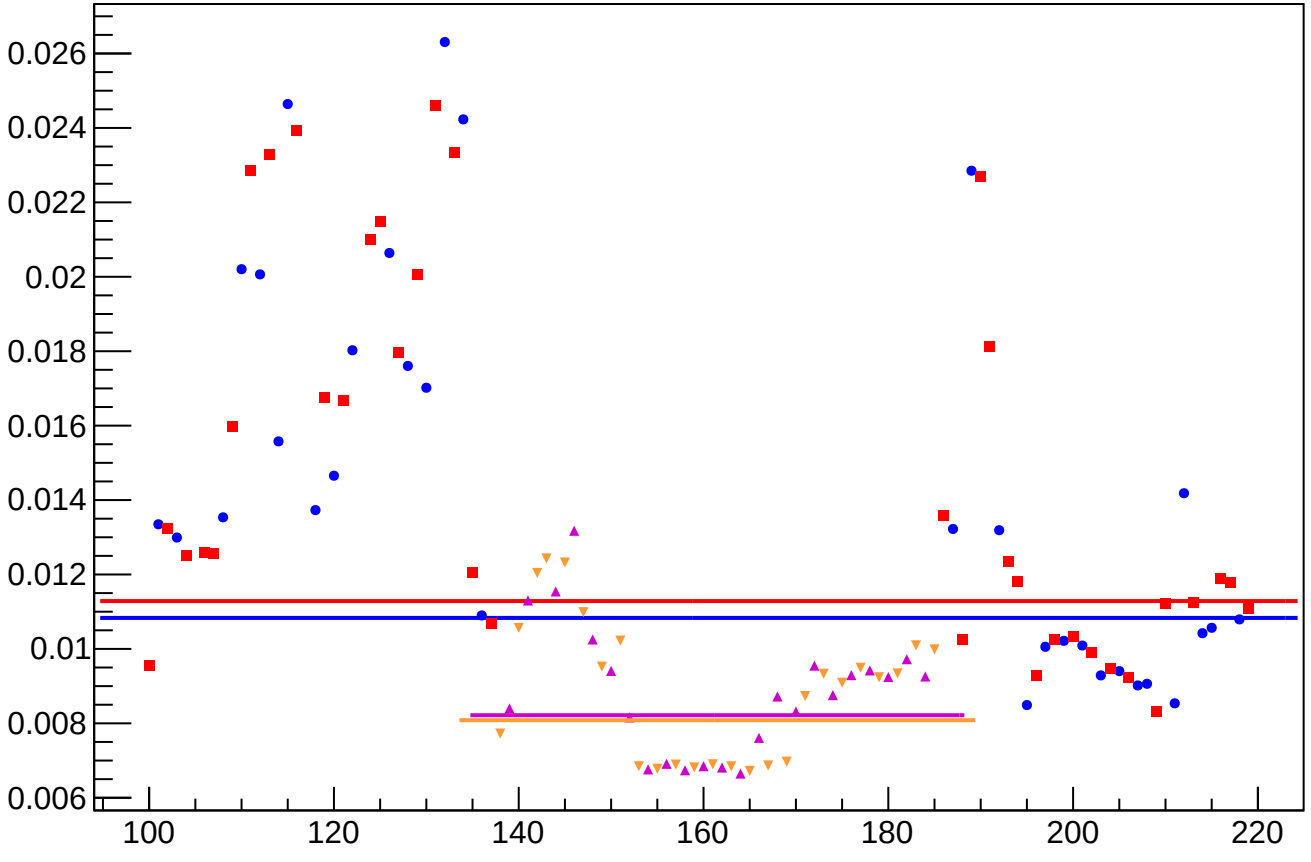
Right: 0.913+/-0.000 χ^2/NDF: 43081341725.7/68

In: 0.789+/-0.000 χ^2/NDF:53418769682.7/54

Out: 0.809+/-0.000 χ^2/NDF:53893161218.6/61

All: 0.799+/-0.000 χ^2/NDF: 107398267375.2

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 2399098.0/31

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2464288.7/36

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

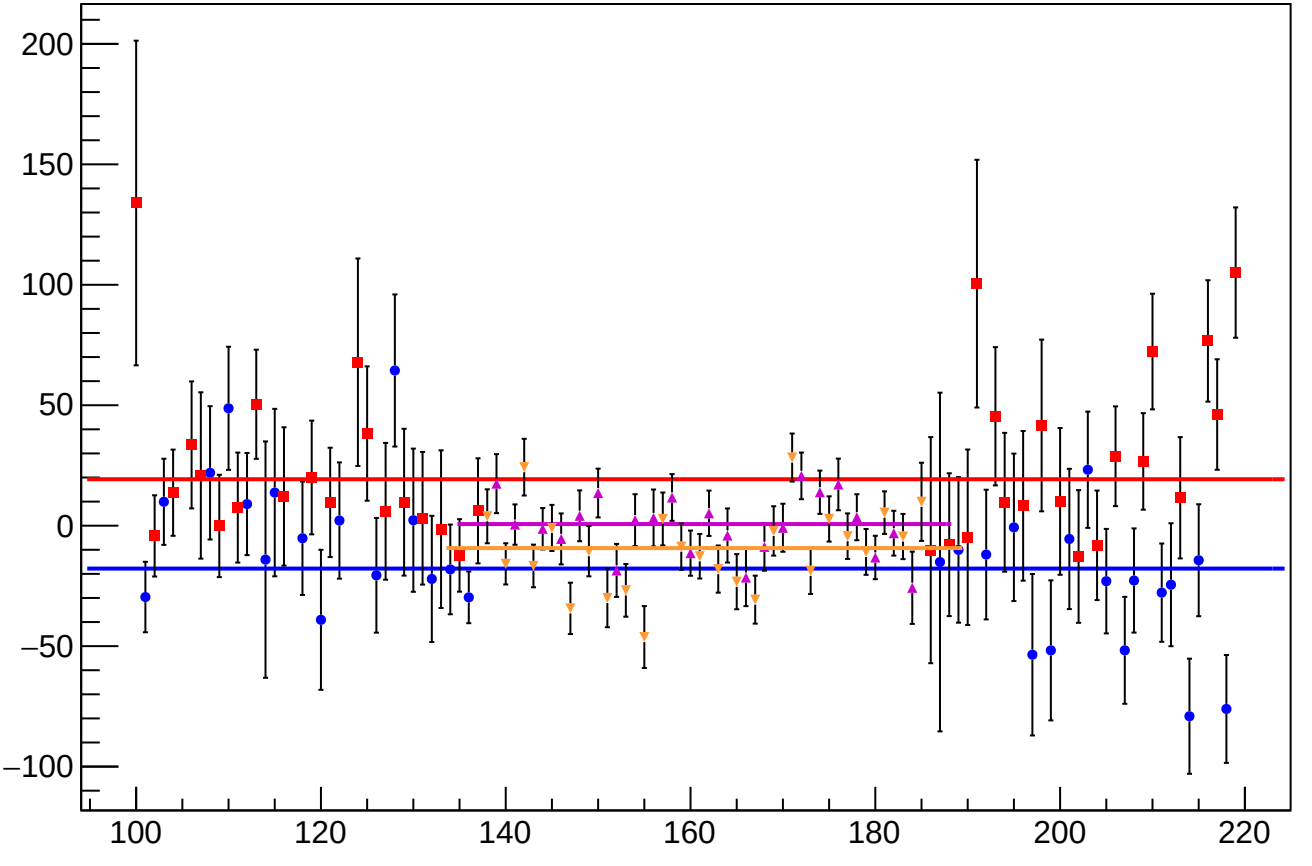
Right: 0.011+/-0.000 χ^2/NDF: 4893697.2/68

In: 0.009+/-0.000 χ^2/NDF:4805869.1/54

Out: 0.009+/-0.000 χ^2/NDF:5810247.0/61

All: 0.009+/-0.000 χ^2/NDF: 10616127.3/116

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -17.803+/-4.073 χ^2/NDF: 46.5/31

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 19.288+/-4.175 χ^2/NDF: 46.5/36

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

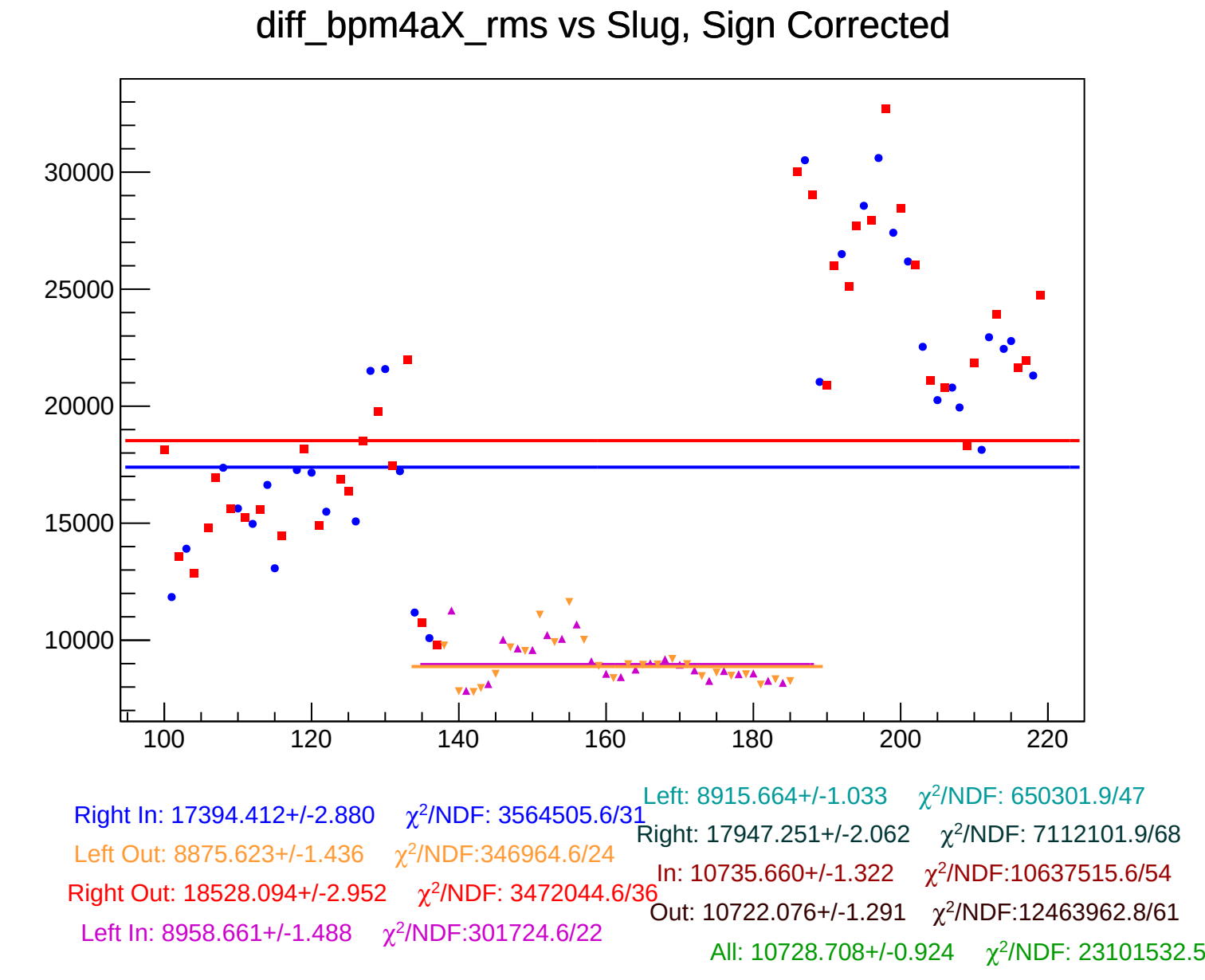
Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

Right: 0.285+/-2.916 χ^2/NDF: 133.4/68

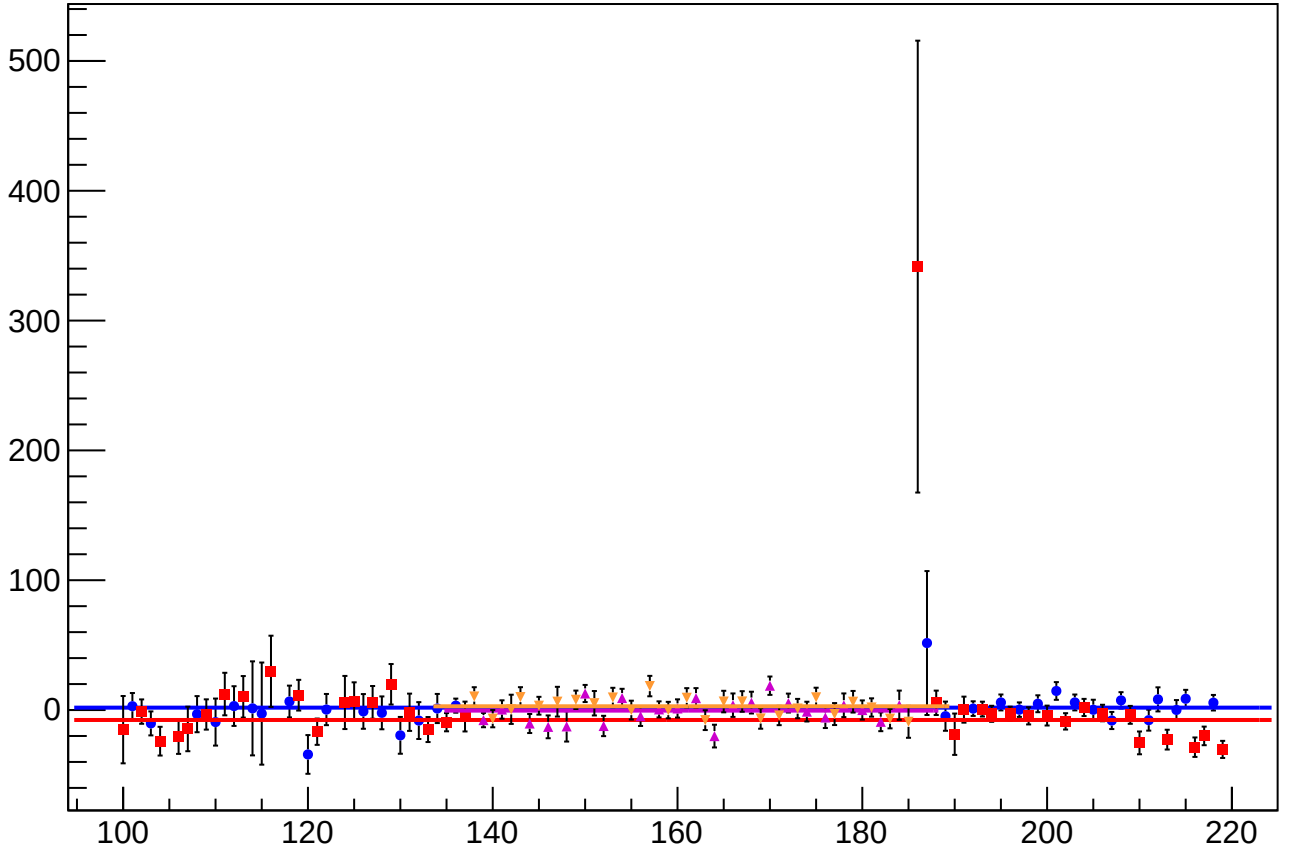
In: -3.217+/-1.869 χ^2/NDF:92.1/54

Out: -3.824+/-1.826 χ^2/NDF:145.5/61

All: -3.528+/-1.306 χ^2/NDF: 237.7/116


diff_bpm4aX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 17394.412+/-2.880 χ²/NDF: 3564505.6/31
Left Out: 8875.623+/-1.436 χ²/NDF:346964.6/24
Right Out: 18528.094+/-2.952 χ²/NDF: 3472044.6/36
Left In: 8958.661+/-1.488 χ²/NDF:301724.6/22
Left: 8915.664+/-1.033 χ²/NDF: 650301.9/47
Right: 17947.251+/-2.062 χ²/NDF: 7112101.9/68
In: 10735.660+/-1.322 χ²/NDF:10637515.6/54
Out: 10722.076+/-1.291 χ²/NDF:12463962.8/61
All: 10728.708+/-0.924 χ²/NDF: 23101532.5

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: 1.837+/-1.498 χ^2/NDF: 23.5/31

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -7.669+/-1.467 χ^2/NDF: 63.4/36

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

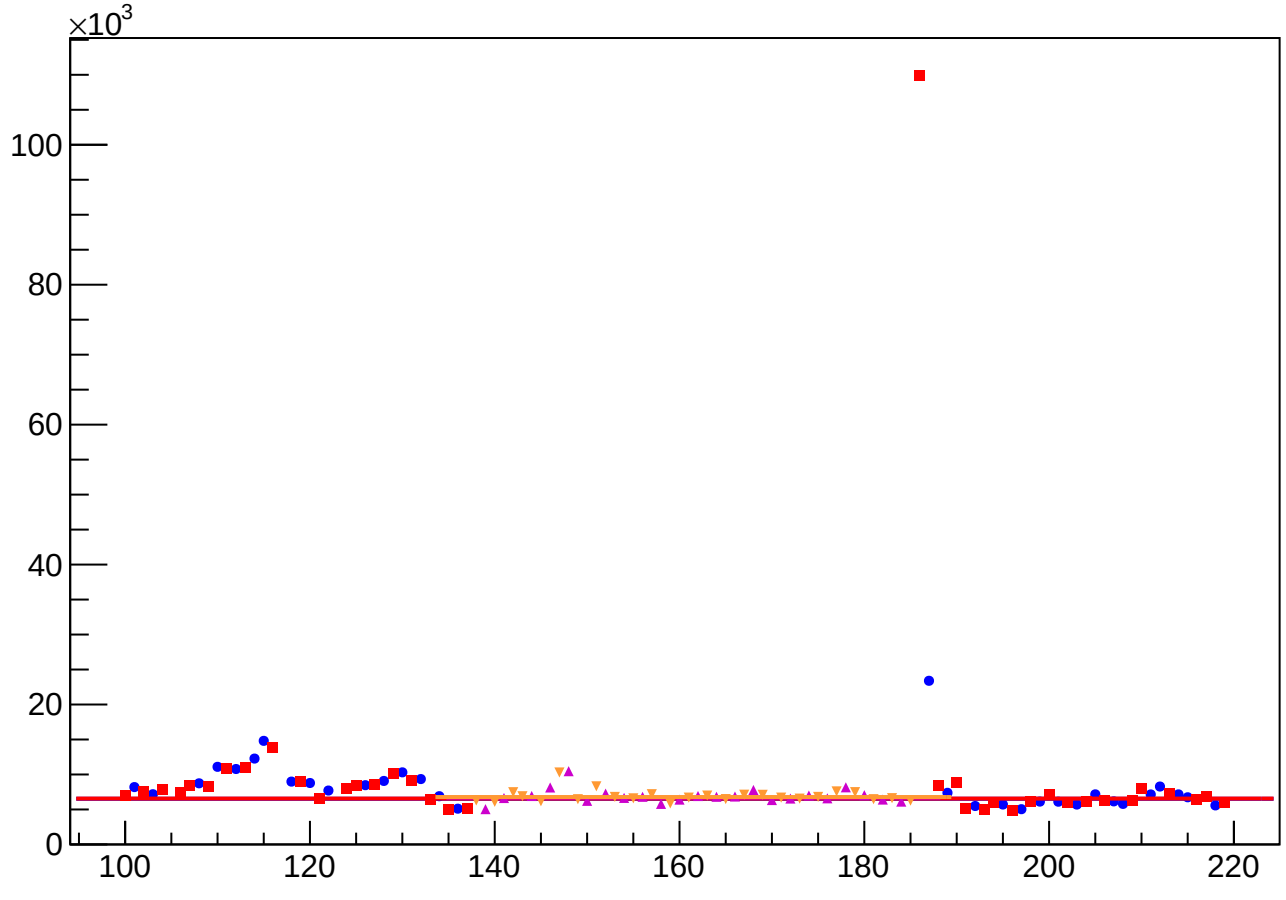
Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

Right: -3.015+/-1.048 χ^2/NDF: 107.5/68

In: 0.753+/-1.088 χ^2/NDF:57.4/54

Out: -2.696+/-1.067 χ^2/NDF:107.2/61

All: -1.005+/-0.762 χ^2/NDF: 169.8/116



Right In: 6524.340+/-1.059 χ^2/NDF: 1852362.2/31

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 6555.912+/-1.038 χ^2/NDF: 2418304.3/36

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

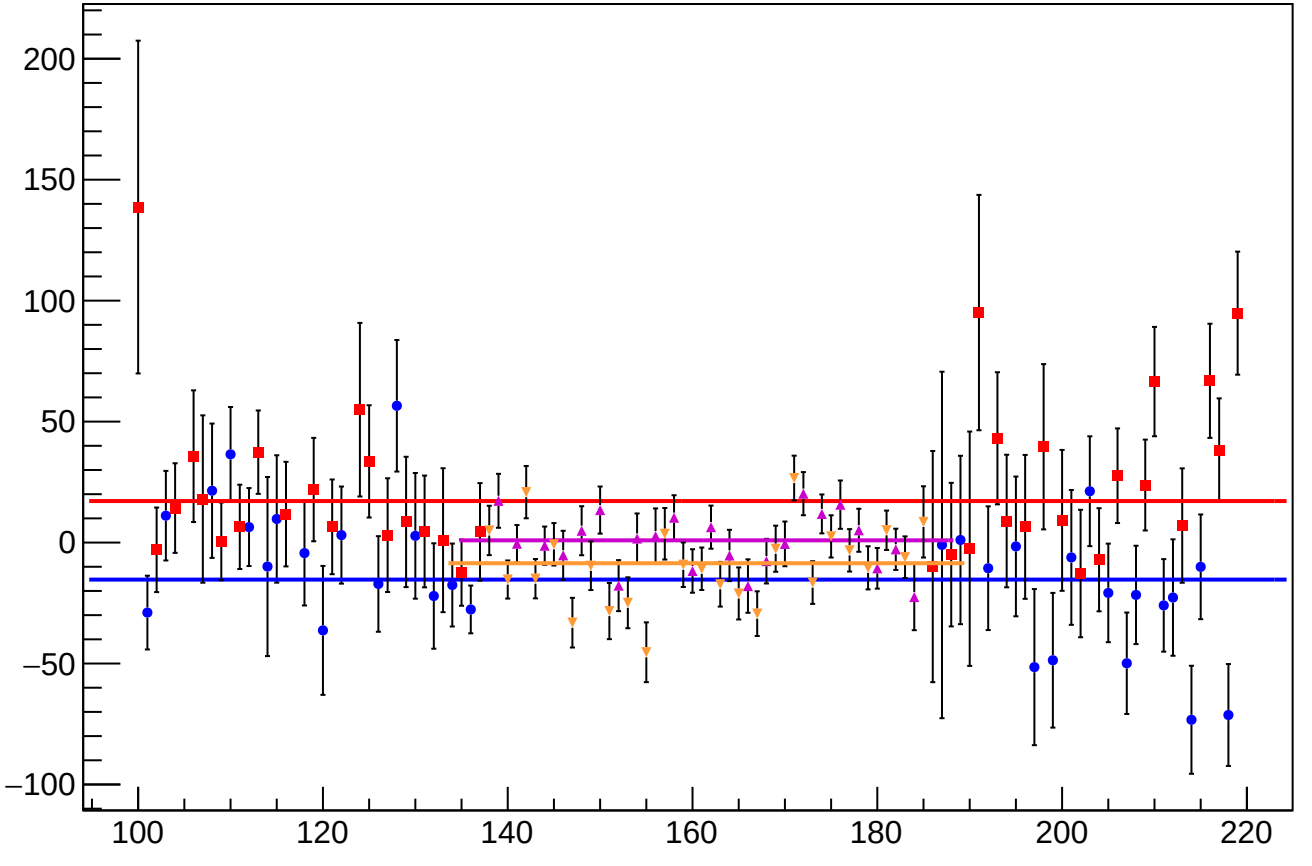
Right: 6540.454+/-0.741 χ^2/NDF: 4271119.7/68

In: 6602.486+/-0.769 χ^2/NDF:2484141.7/54

Out: 6660.026+/-0.754 χ^2/NDF:2839822.9/61

All: 6631.811+/-0.539 χ^2/NDF: 5326817.2/11

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -15.305+/-3.739 χ^2/NDF: 48.3/31

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 17.160+/-3.798 χ^2/NDF: 43.8/36

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

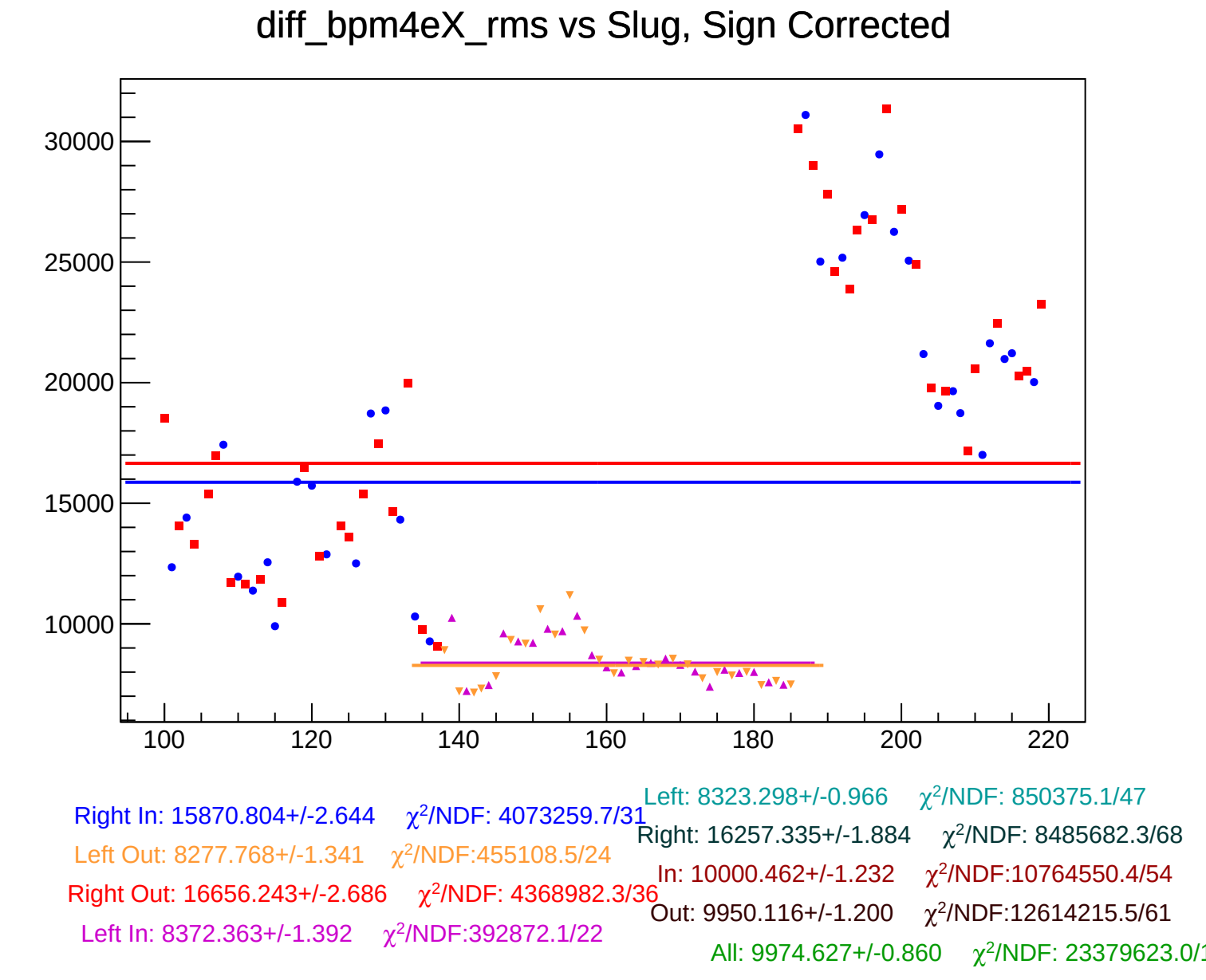
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: 0.672+/-2.664 χ^2/NDF: 129.2/68

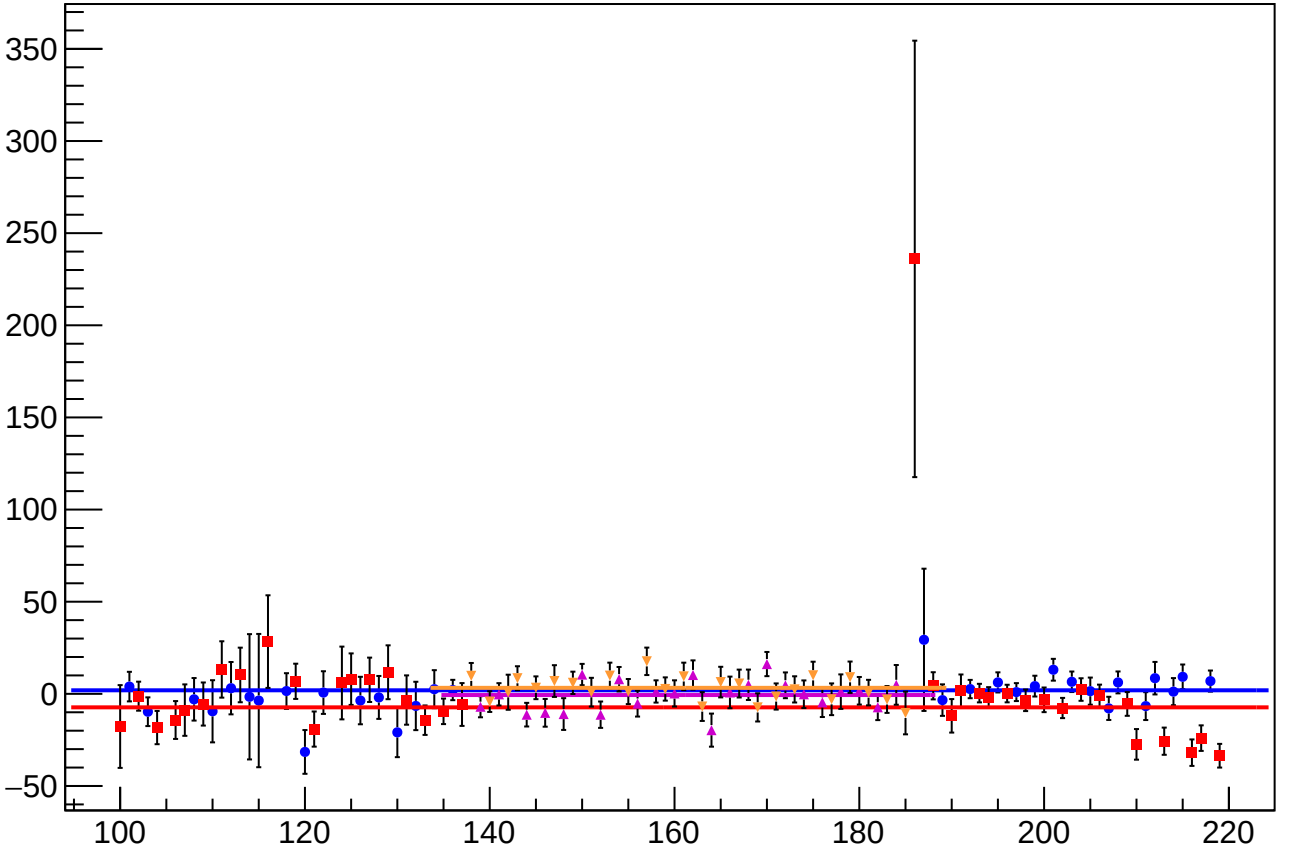
In: -2.603+/-1.742 χ^2/NDF:92.1/54

Out: -3.407+/-1.697 χ^2/NDF:142.4/61

All: -3.016+/-1.216 χ^2/NDF: 234.6/116


diff_bpm4eX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 15870.804+/-2.644 χ²/NDF: 4073259.7/31
Left Out: 8277.768+/-1.341 χ²/NDF:455108.5/24
Right Out: 16656.243+/-2.686 χ²/NDF: 4368982.3/36
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
Left: 8323.298+/-0.966 χ²/NDF: 850375.1/47
Right: 16257.335+/-1.884 χ²/NDF: 8485682.3/68
In: 10000.462+/-1.232 χ²/NDF:10764550.4/54
Out: 9950.116+/-1.200 χ²/NDF:12614215.5/61
All: 9974.627+/-0.860 χ²/NDF: 23379623.0/

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 1.925+/-1.363 χ^2/NDF: 27.2/31

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -7.326+/-1.320 χ^2/NDF: 82.1/36

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

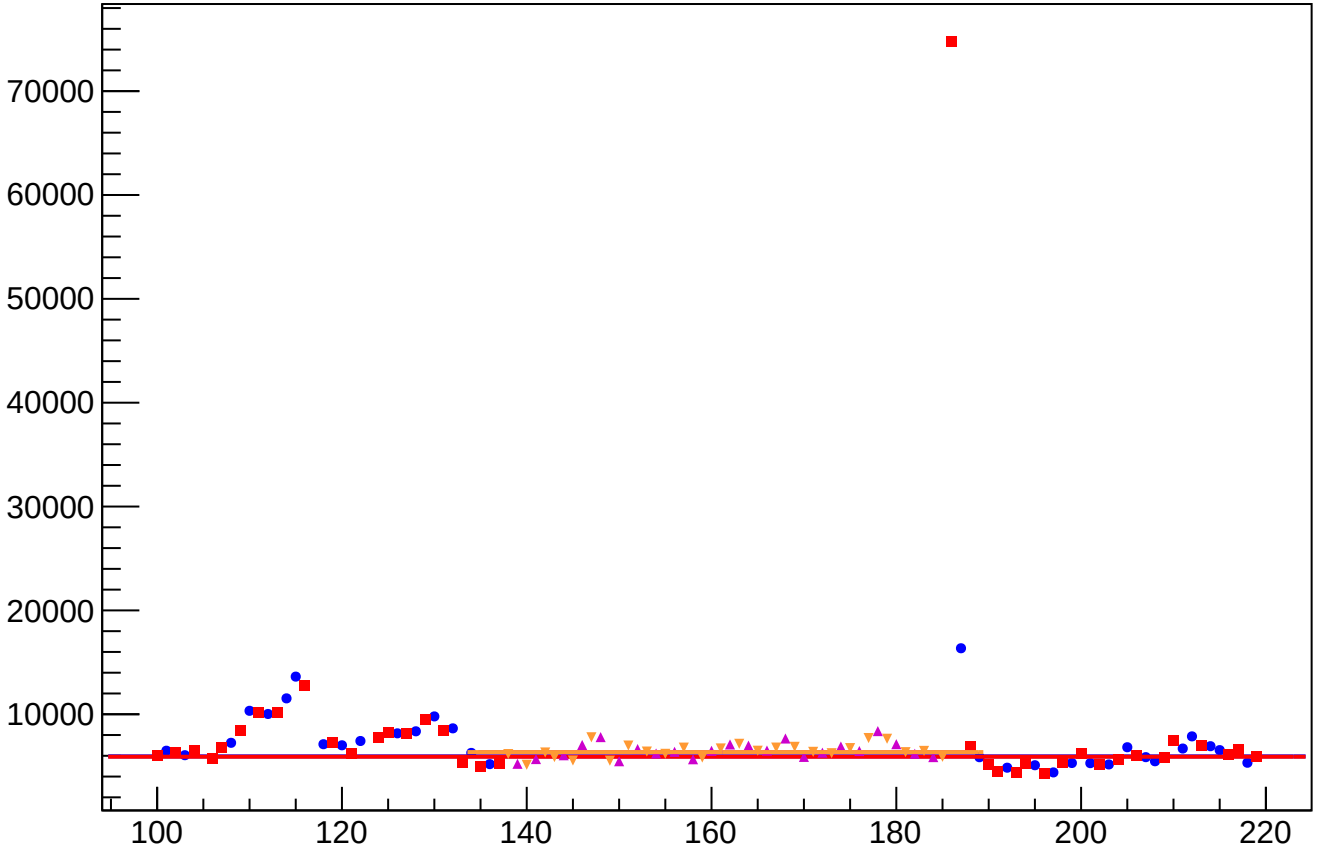
Right: -2.847+/-0.948 χ^2/NDF: 133.1/68

In: 0.762+/-1.009 χ^2/NDF:59.6/54

Out: -2.555+/-0.978 χ^2/NDF:128.7/61

All: -0.947+/-0.702 χ^2/NDF: 193.9/116

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 5944.842+/-0.964 χ^2/NDF: 1801996.0/31

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5909.953+/-0.934 χ^2/NDF: 2454430.9/36

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

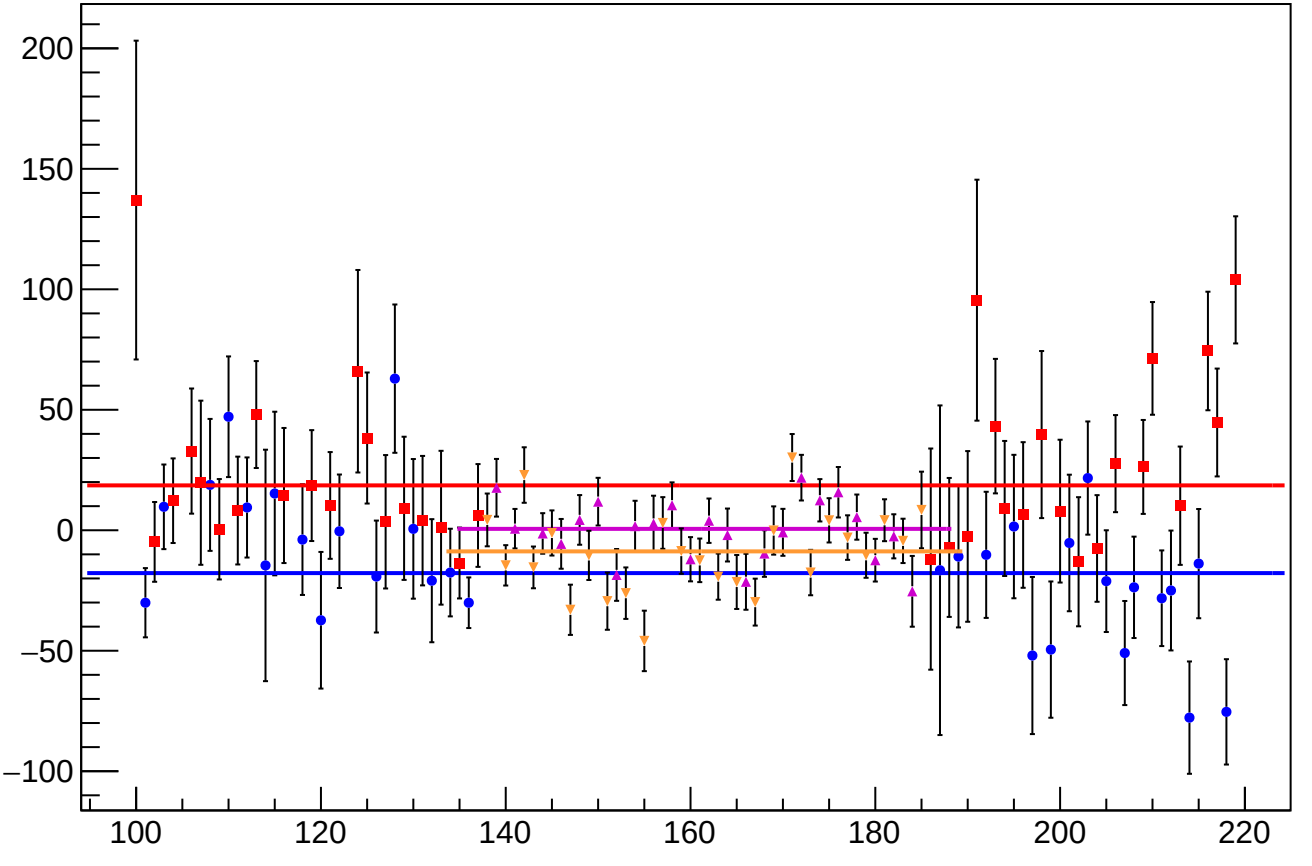
Right: 5926.843+/-0.671 χ^2/NDF: 4257103.0/68

In: 6132.657+/-0.713 χ^2/NDF:2359799.6/54

Out: 6111.782+/-0.692 χ^2/NDF:2972203.6/61

All: 6121.904+/-0.497 χ^2/NDF: 5332444.6/11

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -17.778+/-3.978 χ^2/NDF: 46.8/31

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: 18.624+/-4.078 χ^2/NDF: 47.3/36

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

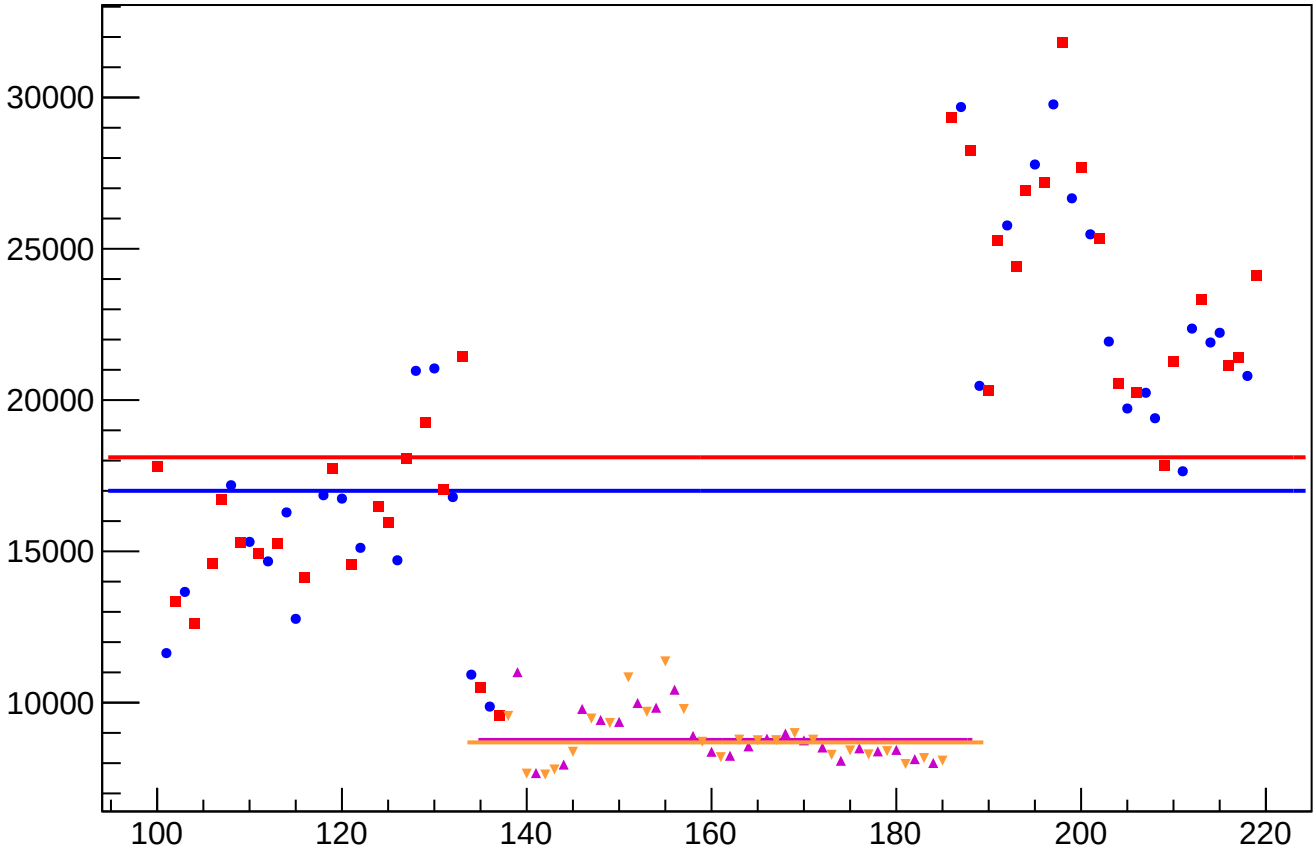
Right: -0.026+/-2.848 χ^2/NDF: 134.9/68

In: -3.300+/-1.829 χ^2/NDF:93.1/54

Out: -3.511+/-1.786 χ^2/NDF:146.5/61

All: -3.408+/-1.278 χ^2/NDF: 239.6/116

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 17001.042+/-2.813 χ^2/NDF: 3512783.0/31

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 18108.471+/-2.883 χ^2/NDF: 3416998.6/36

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

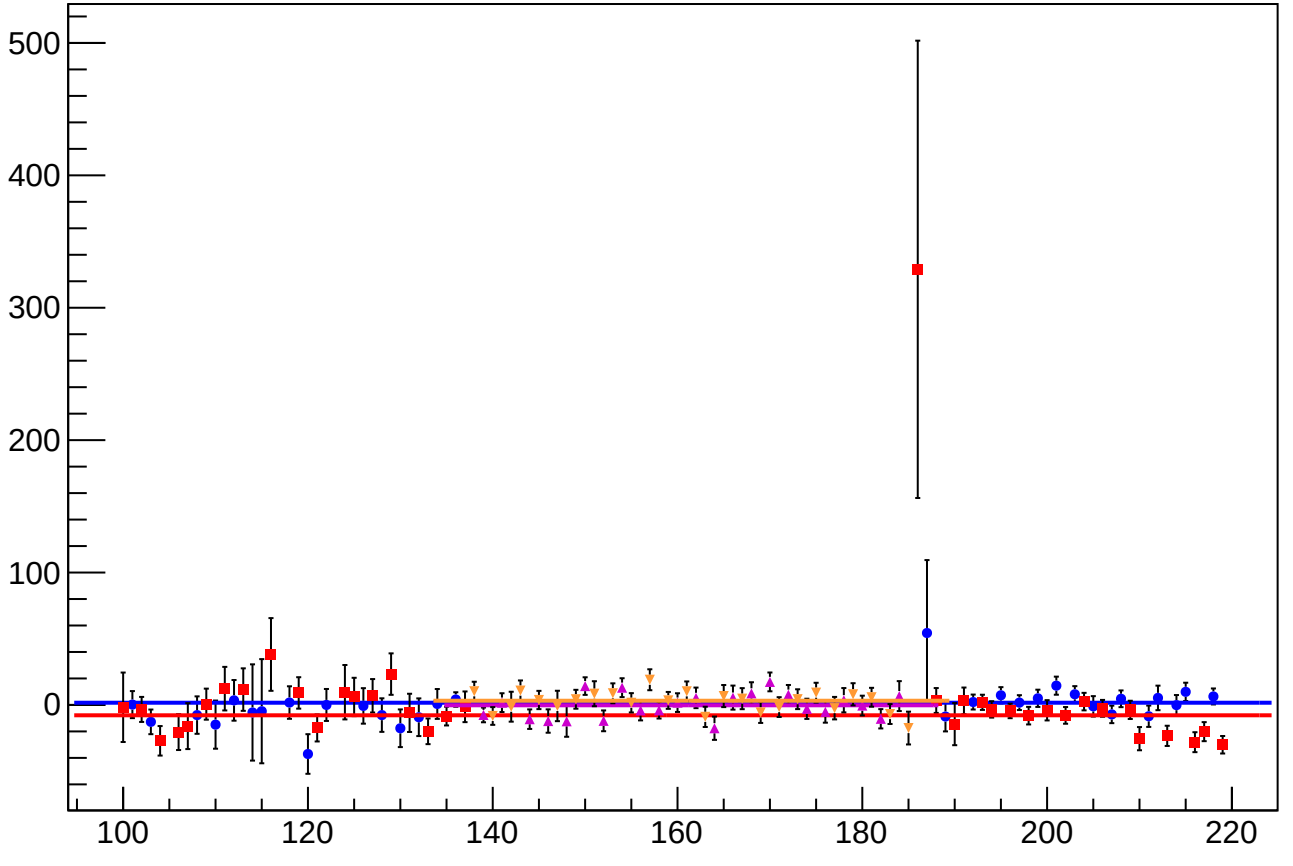
Right: 17541.085+/-2.014 χ^2/NDF: 7005359.9/68

In: 10507.396+/-1.293 χ^2/NDF:10564761.4/54

Out: 10494.039+/-1.263 χ^2/NDF:12387500.3/61

All: 10500.561+/-0.904 χ^2/NDF: 22952316.4

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: 1.669+/-1.503 χ^2/NDF: 27.2/31

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -7.822+/-1.472 χ^2/NDF: 66.2/36

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

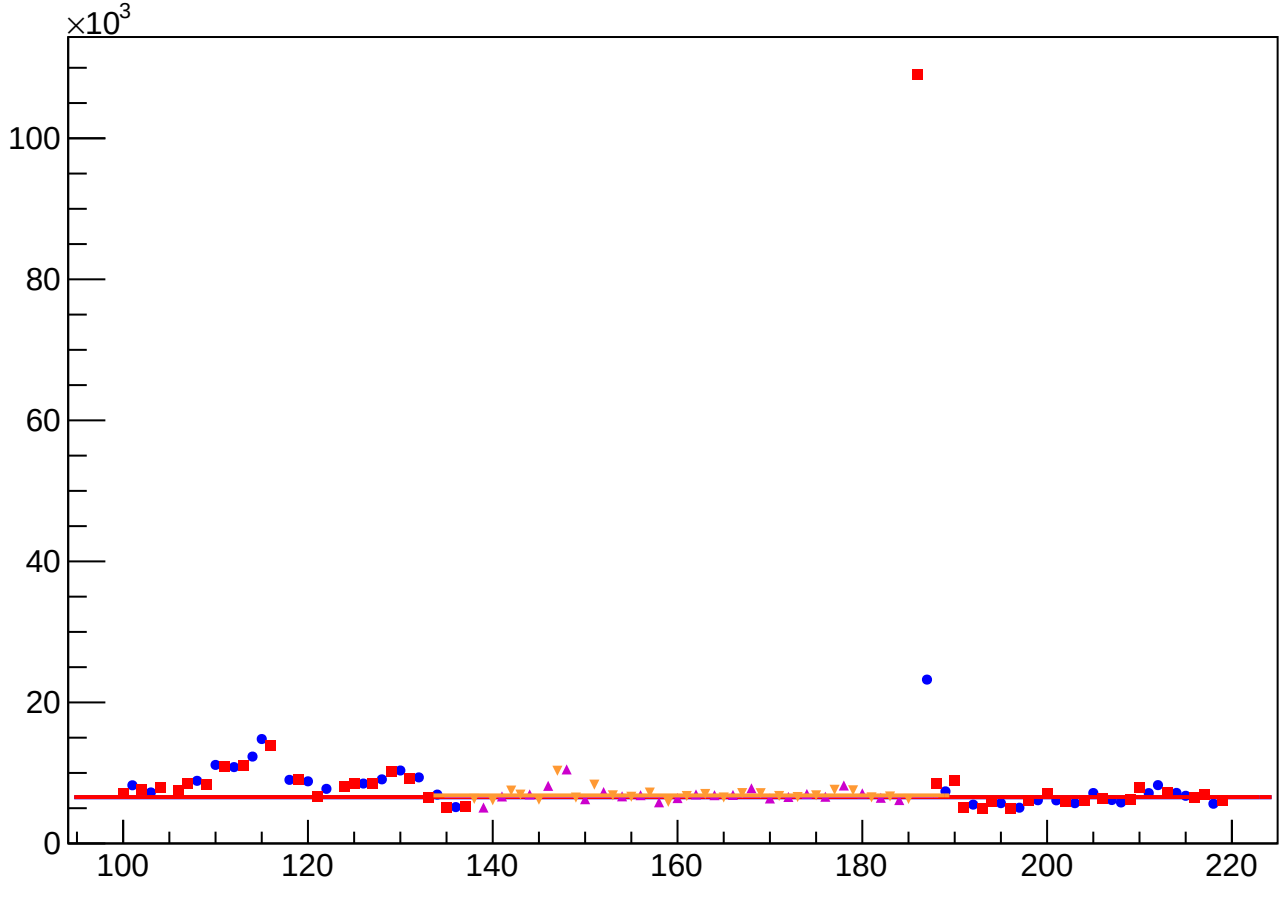
Right: -3.174+/-1.052 χ^2/NDF: 113.8/68

In: 0.755+/-1.092 χ^2/NDF:62.2/54

Out: -2.649+/-1.071 χ^2/NDF:114.1/61

All: -0.980+/-0.765 χ^2/NDF: 181.3/116

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 6546.056+/-1.063 χ^2/NDF: 1843539.2/31

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6579.249+/-1.041 χ^2/NDF: 2411060.5/36

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

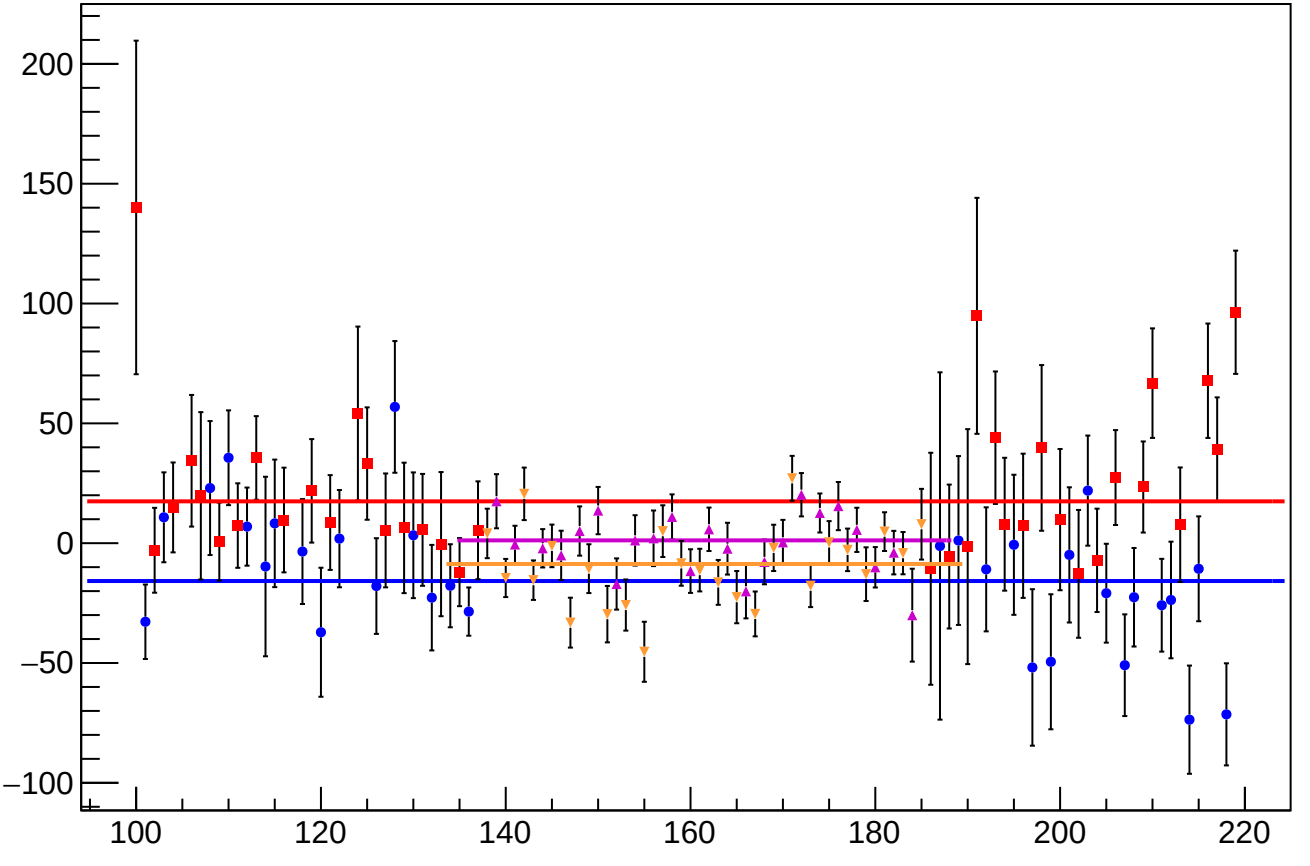
Right: 6562.993+/-0.744 χ^2/NDF: 4255097.5/68

In: 6631.829+/-0.772 χ^2/NDF:2467385.9/54

Out: 6689.218+/-0.758 χ^2/NDF:2829393.9/61

All: 6661.078+/-0.541 χ^2/NDF: 5299594.0/11

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -15.797+/-3.788 χ^2/NDF: 48.4/31

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 17.457+/-3.850 χ^2/NDF: 42.7/36

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

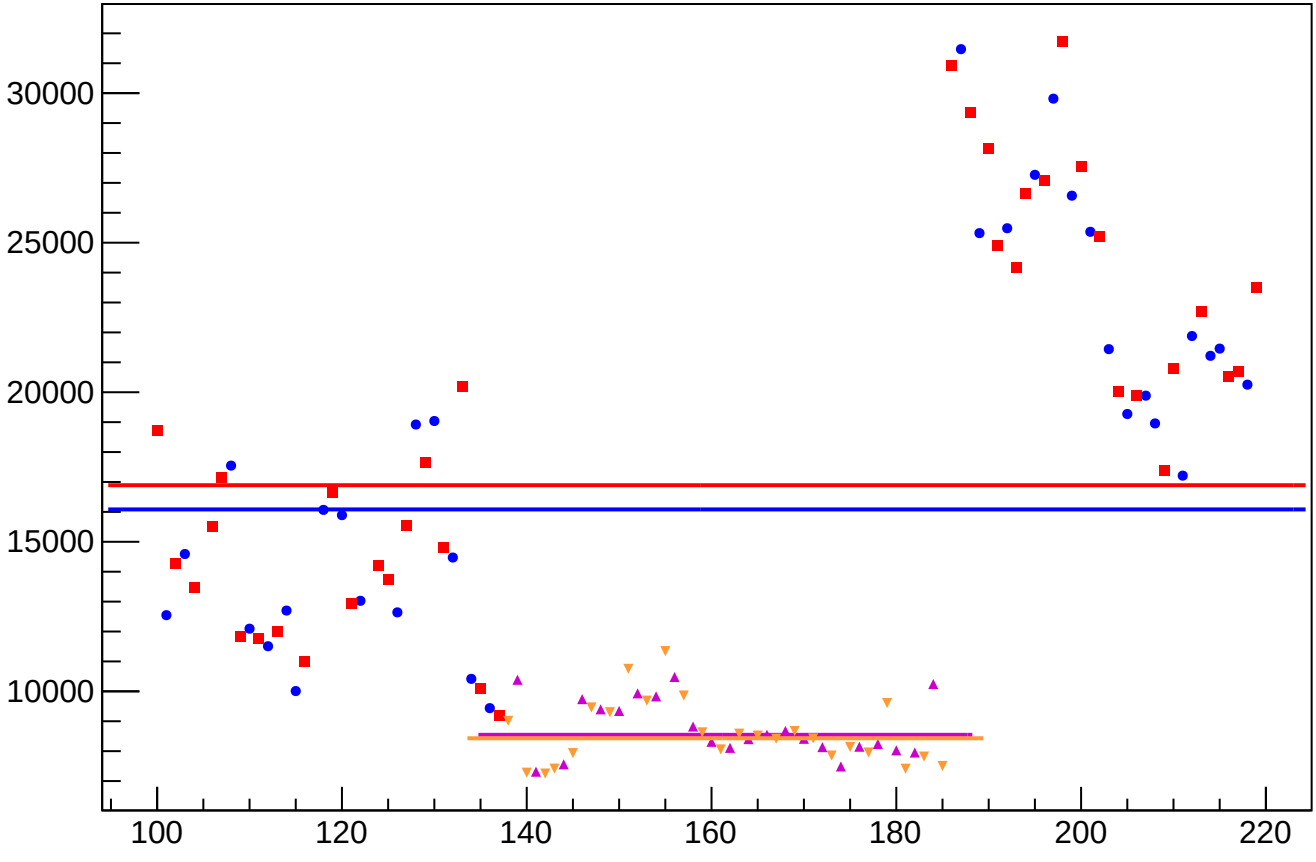
Right: 0.559+/-2.700 χ^2/NDF: 129.0/68

In: -2.562+/-1.777 χ^2/NDF:92.6/54

Out: -3.413+/-1.730 χ^2/NDF:140.9/61

All: -2.999+/-1.240 χ^2/NDF: 233.7/116

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 16082.138+/-2.678 χ^2/NDF: 4041501.6/31

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 16891.370+/-2.722 χ^2/NDF: 4316741.1/36

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

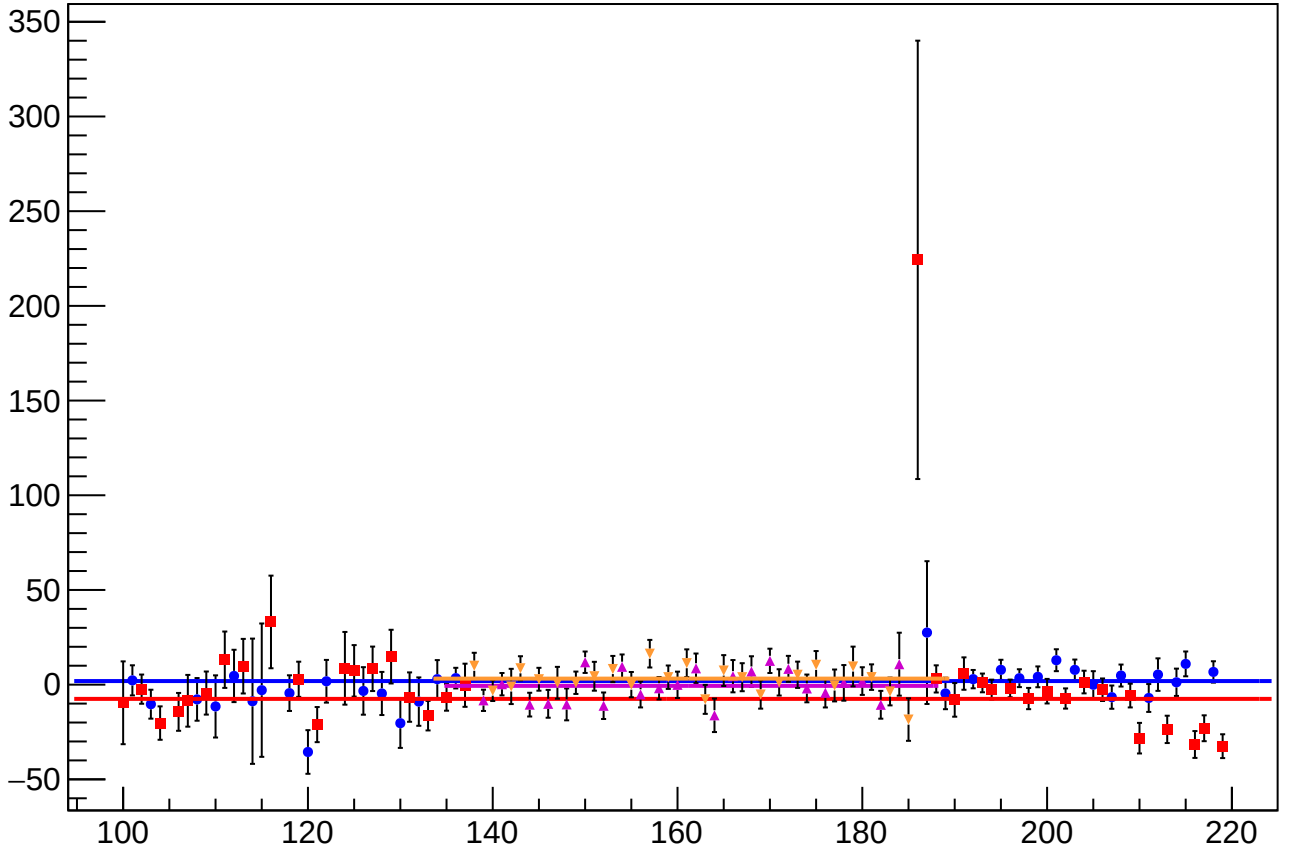
Right: 16480.168+/-1.909 χ^2/NDF: 8403149.0/68

In: 10204.714+/-1.257 χ^2/NDF:10606894.2/54

Out: 10138.741+/-1.223 χ^2/NDF:12511463.3/61

All: 10170.836+/-0.876 χ^2/NDF: 23119772.9

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 1.896+/-1.331 χ^2/NDF: 33.3/31

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -7.515+/-1.289 χ^2/NDF: 81.7/36

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

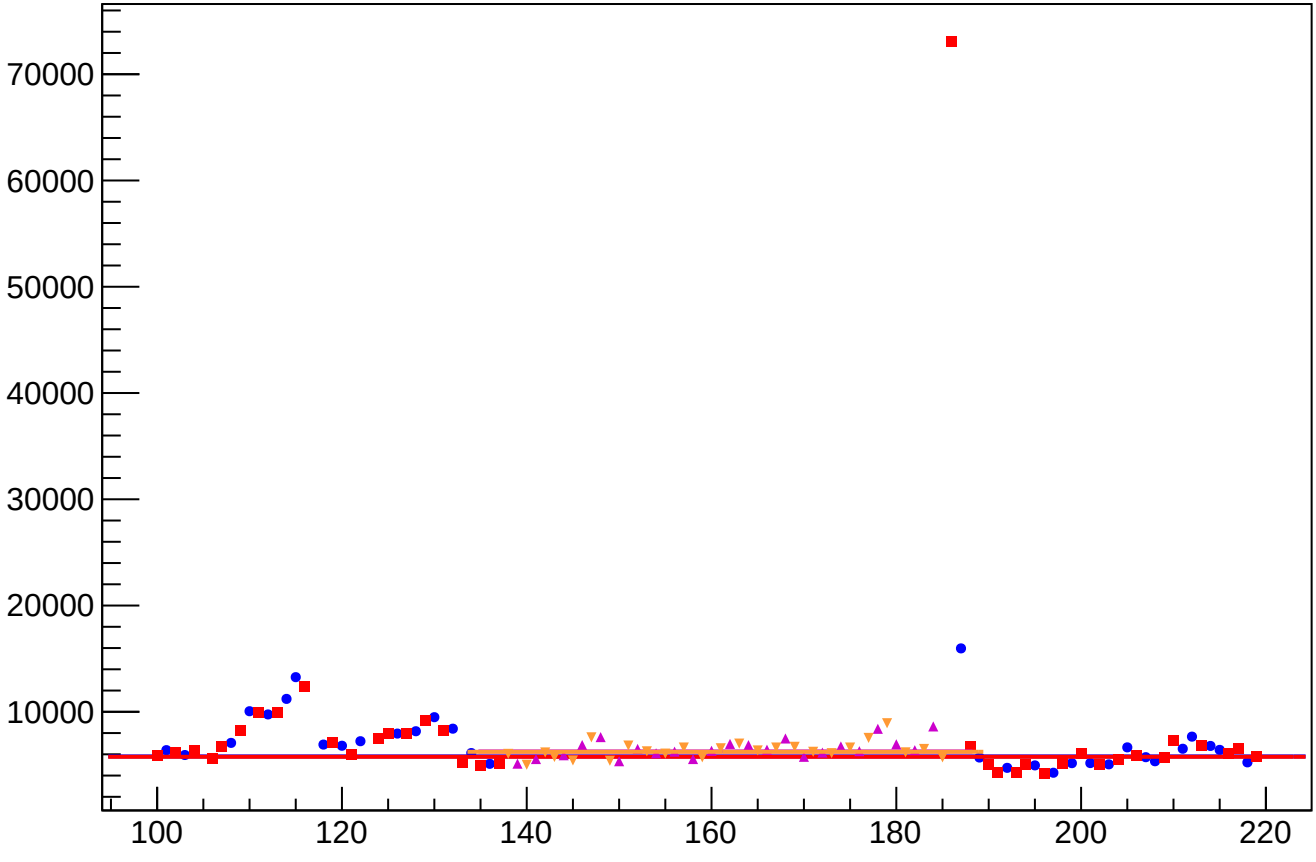
Right: -2.961+/-0.926 χ^2/NDF: 140.8/68

In: 0.767+/-0.990 χ^2/NDF:66.8/54

Out: -2.737+/-0.959 χ^2/NDF:131.1/61

All: -1.042+/-0.689 χ^2/NDF: 204.4/116

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 5803.406+/-0.941 χ^2/NDF: 1800932.6/31

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5766.869+/-0.911 χ^2/NDF: 2442214.0/36

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

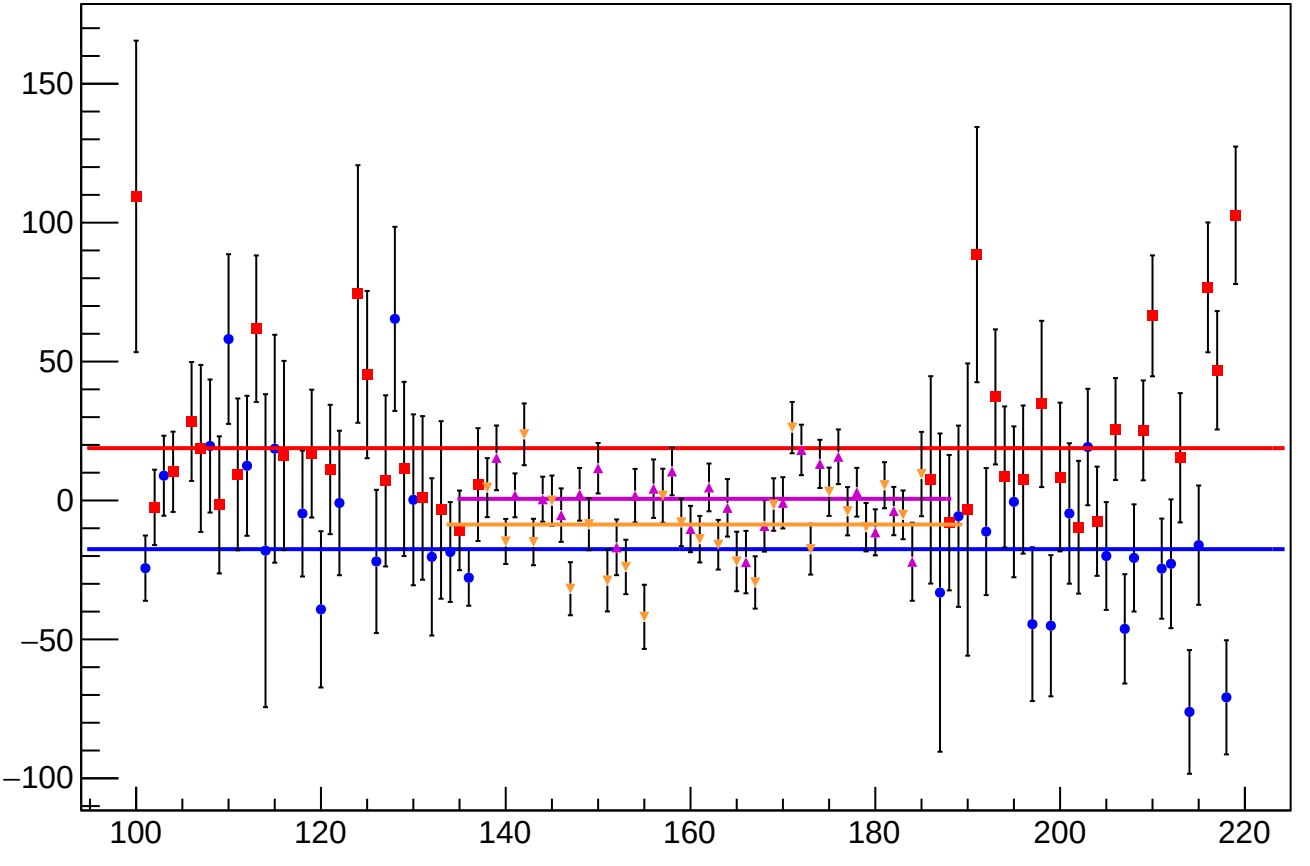
Right: 5784.548+/-0.655 χ^2/NDF: 4243924.6/68

In: 6010.979+/-0.700 χ^2/NDF:2434207.1/54

Out: 5977.192+/-0.678 χ^2/NDF:3069267.4/61

All: 5993.541+/-0.487 χ^2/NDF: 5504676.5/11

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -17.523+/-3.770 χ^2/NDF: 45.6/31

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: 18.840+/-3.882 χ^2/NDF: 49.9/36

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

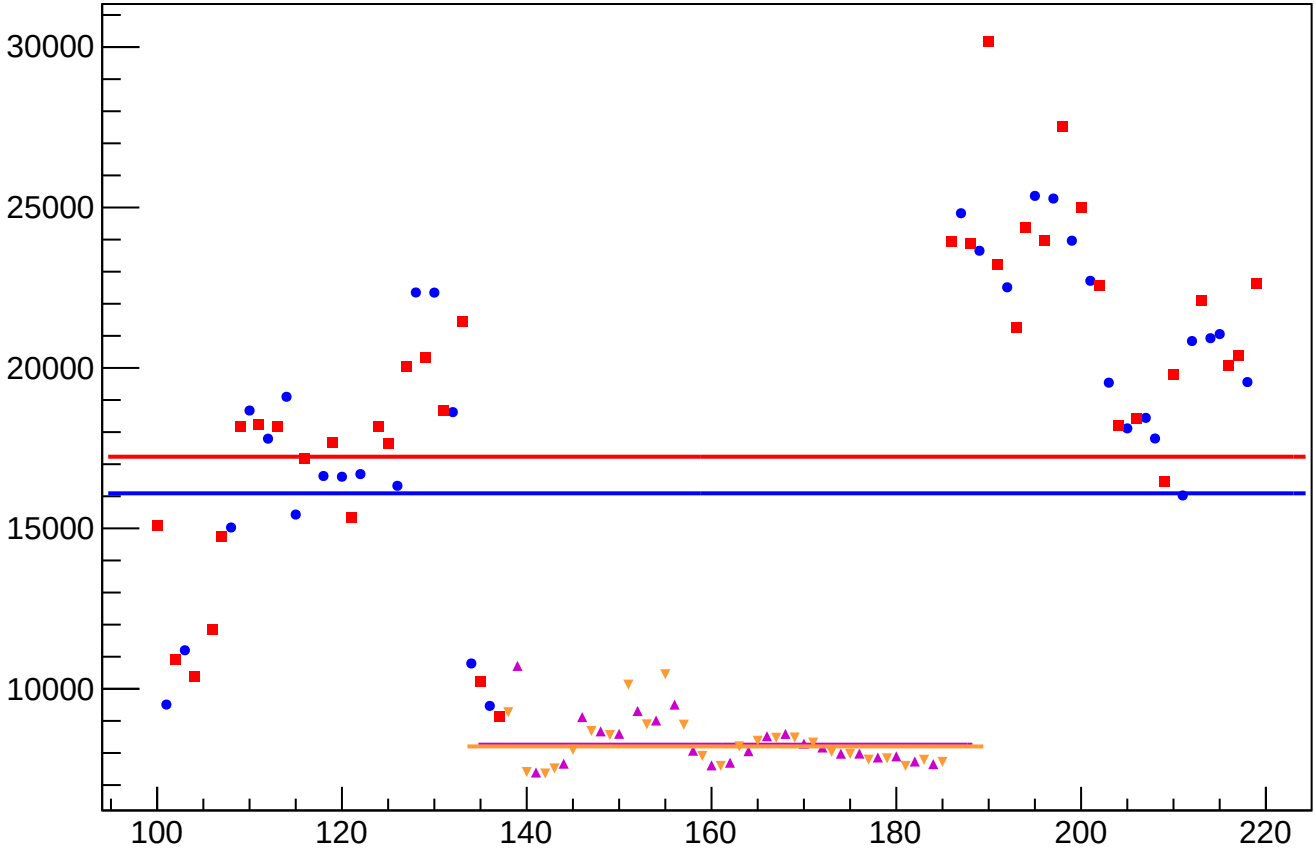
Right: 0.126+/-2.705 χ^2/NDF: 140.7/68

In: -3.204+/-1.724 χ^2/NDF:92.4/54

Out: -3.451+/-1.688 χ^2/NDF:153.6/61

All: -3.330+/-1.206 χ^2/NDF: 246.0/116

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 16092.433+/-2.666 χ^2/NDF: 3660544.8/31

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 17233.573+/-2.745 χ^2/NDF: 3437282.6/36

Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

Left: 8230.919+/-0.953 χ^2/NDF: 531113.9/47

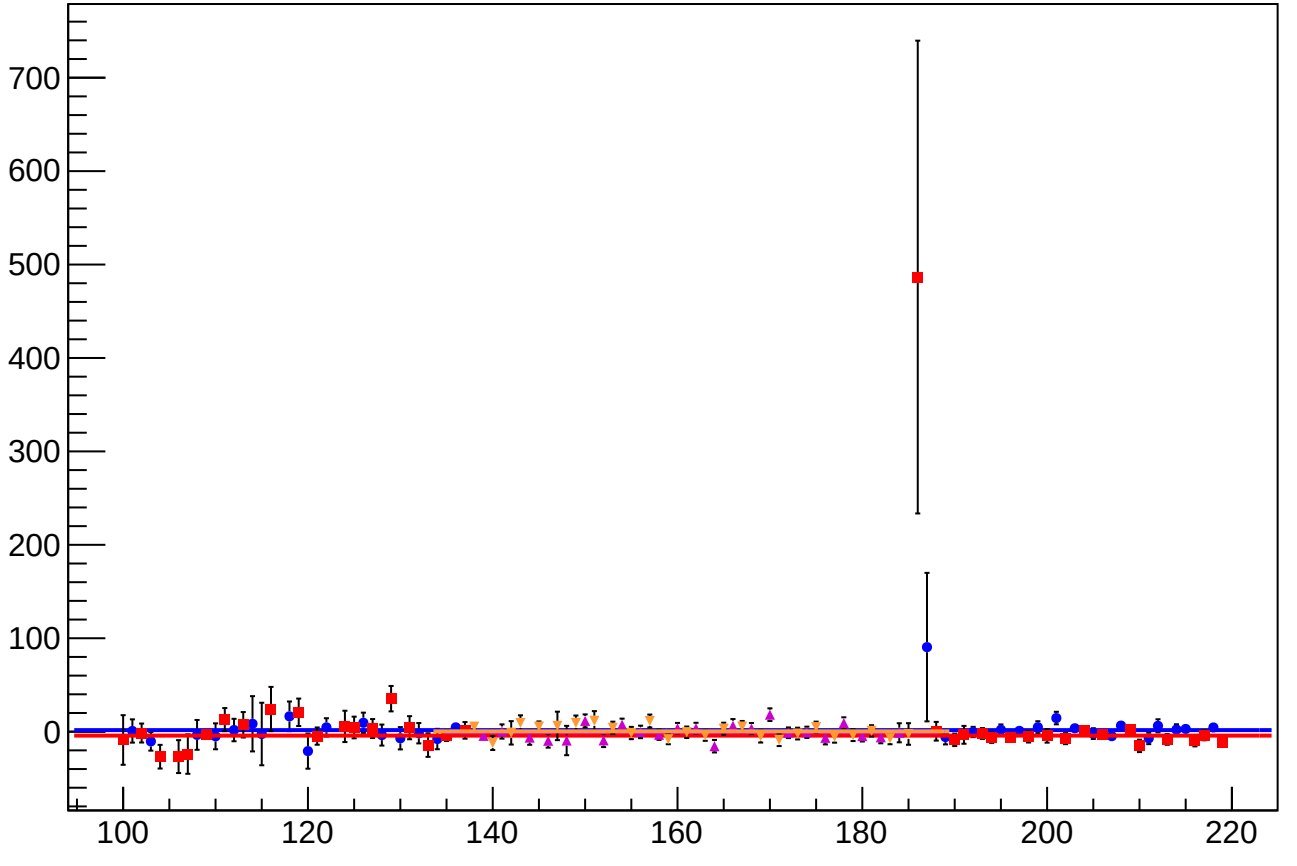
Right: 16646.288+/-1.913 χ^2/NDF: 7186752.6/68

In: 9897.403+/-1.219 χ^2/NDF:10745604.0/54

Out: 9912.287+/-1.194 χ^2/NDF:12481617.3/61

All: 9905.001+/-0.853 χ^2/NDF: 23227297.3/1

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.656+/-1.284 χ^2/NDF: 19.0/31

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -4.213+/-1.222 χ^2/NDF: 38.0/36

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

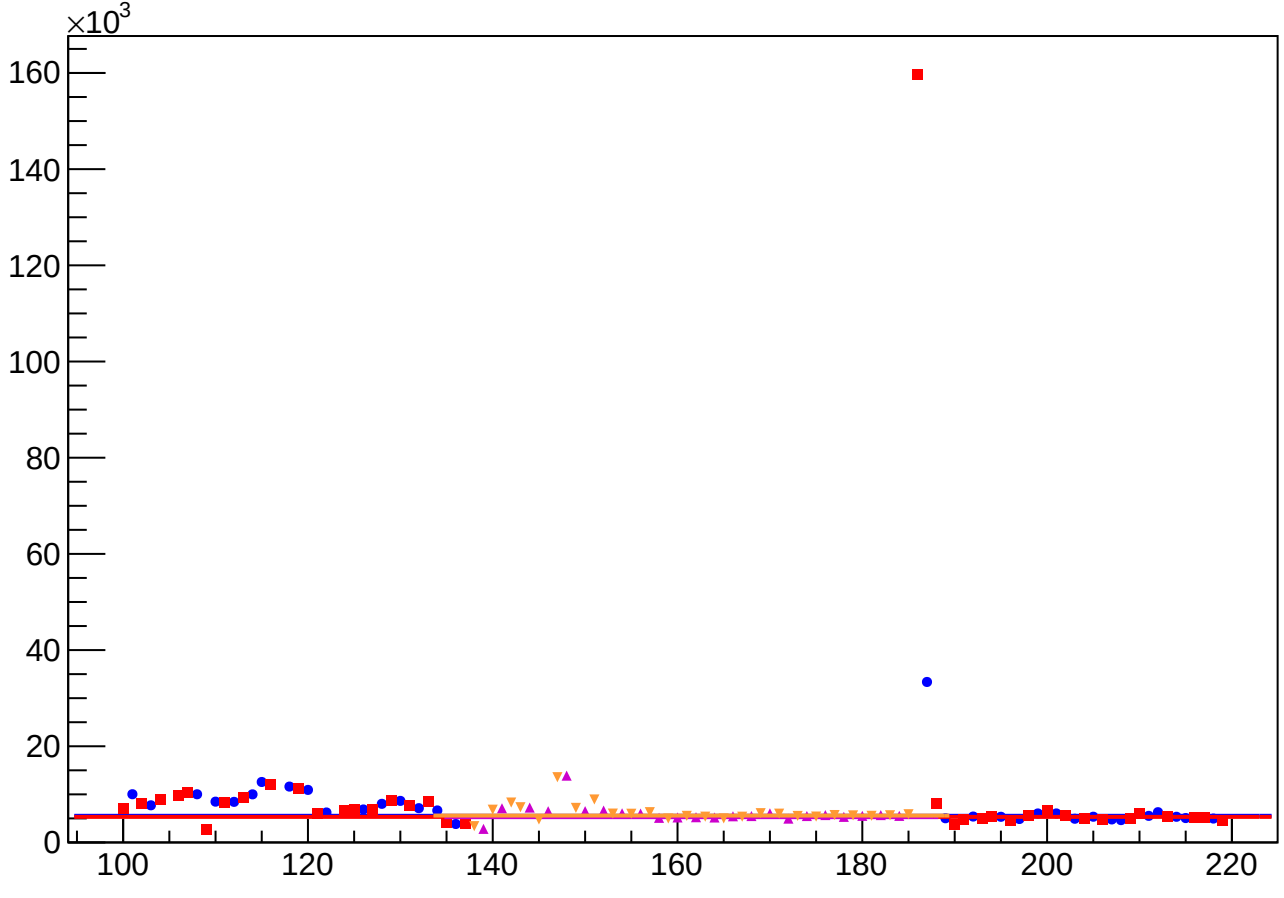
Right: -1.424+/-0.885 χ^2/NDF: 67.9/68

In: 0.480+/-0.910 χ^2/NDF:50.6/54

Out: -2.109+/-0.897 χ^2/NDF:65.9/61

All: -0.834+/-0.639 χ^2/NDF: 120.6/116

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 5540.041+/-0.908 χ^2/NDF: 2504032.7/31

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5317.401+/-0.864 χ^2/NDF: 3870631.4/36

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

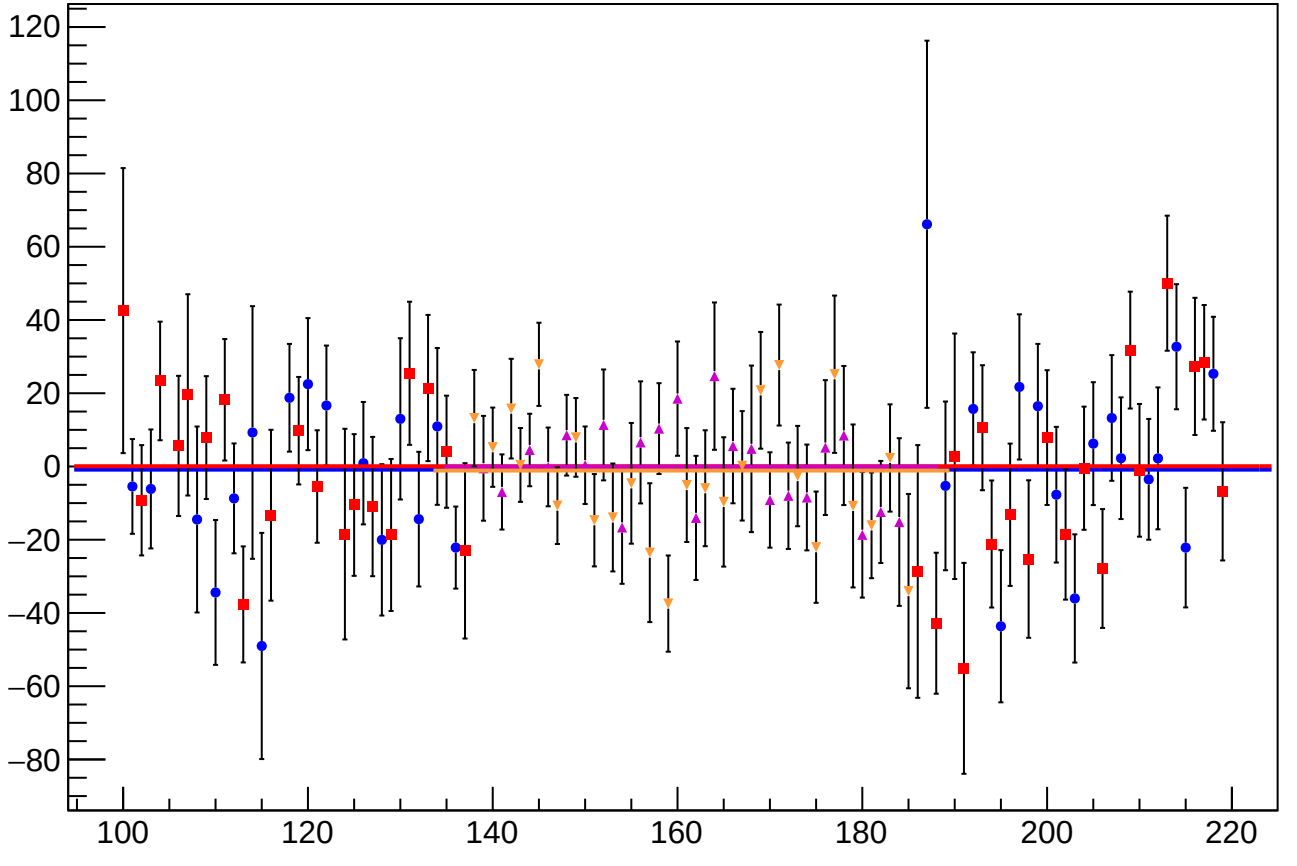
Right: 5423.206+/-0.626 χ^2/NDF: 6406235.6/68

In: 5402.206+/-0.644 χ^2/NDF:4976025.1/54

Out: 5445.069+/-0.634 χ^2/NDF:5702304.7/61

All: 5423.952+/-0.452 χ^2/NDF: 10680579.2/1

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -0.860+/-3.133 χ^2/NDF: 39.6/31

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: 0.071+/-3.083 χ^2/NDF: 52.1/36

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

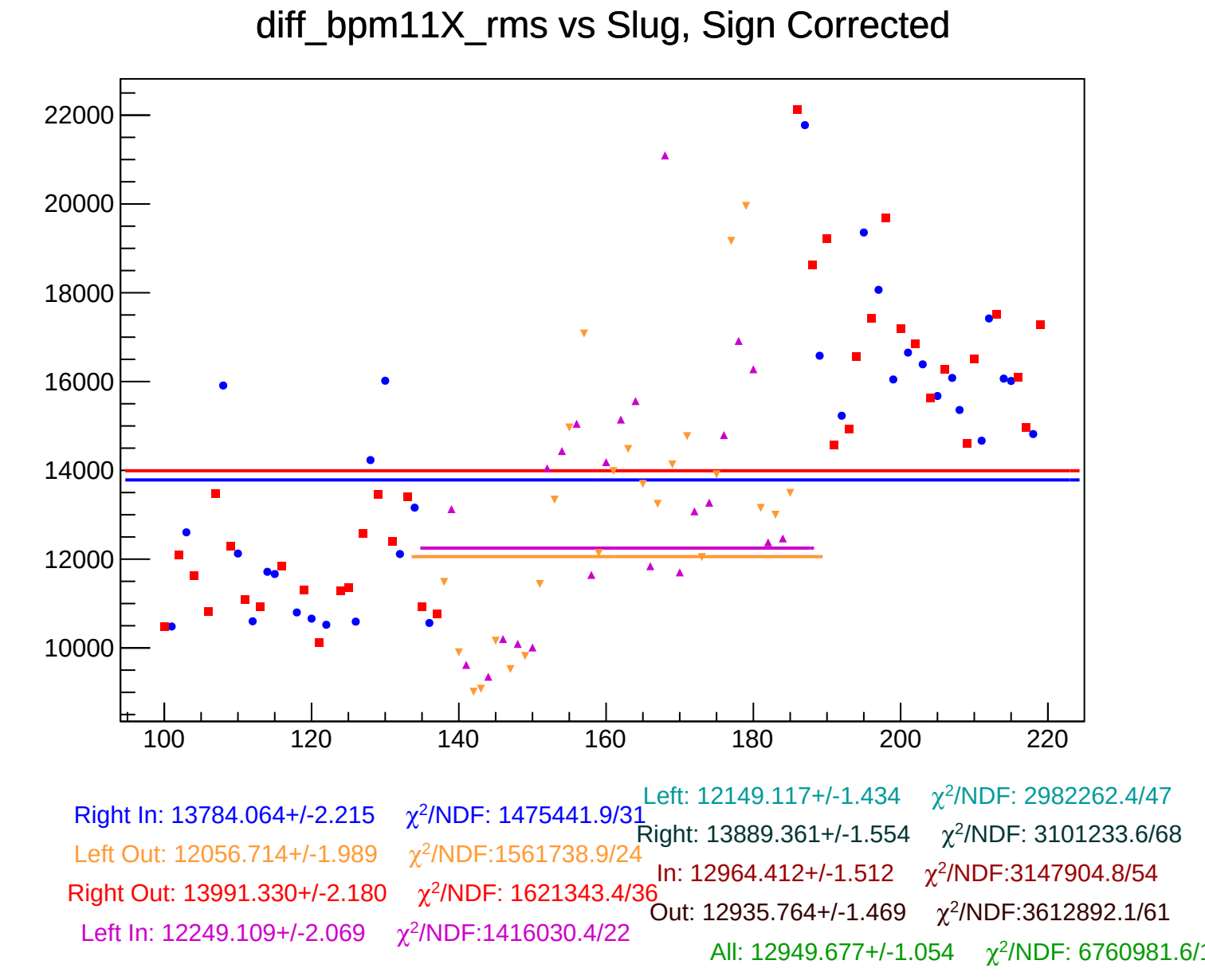
Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

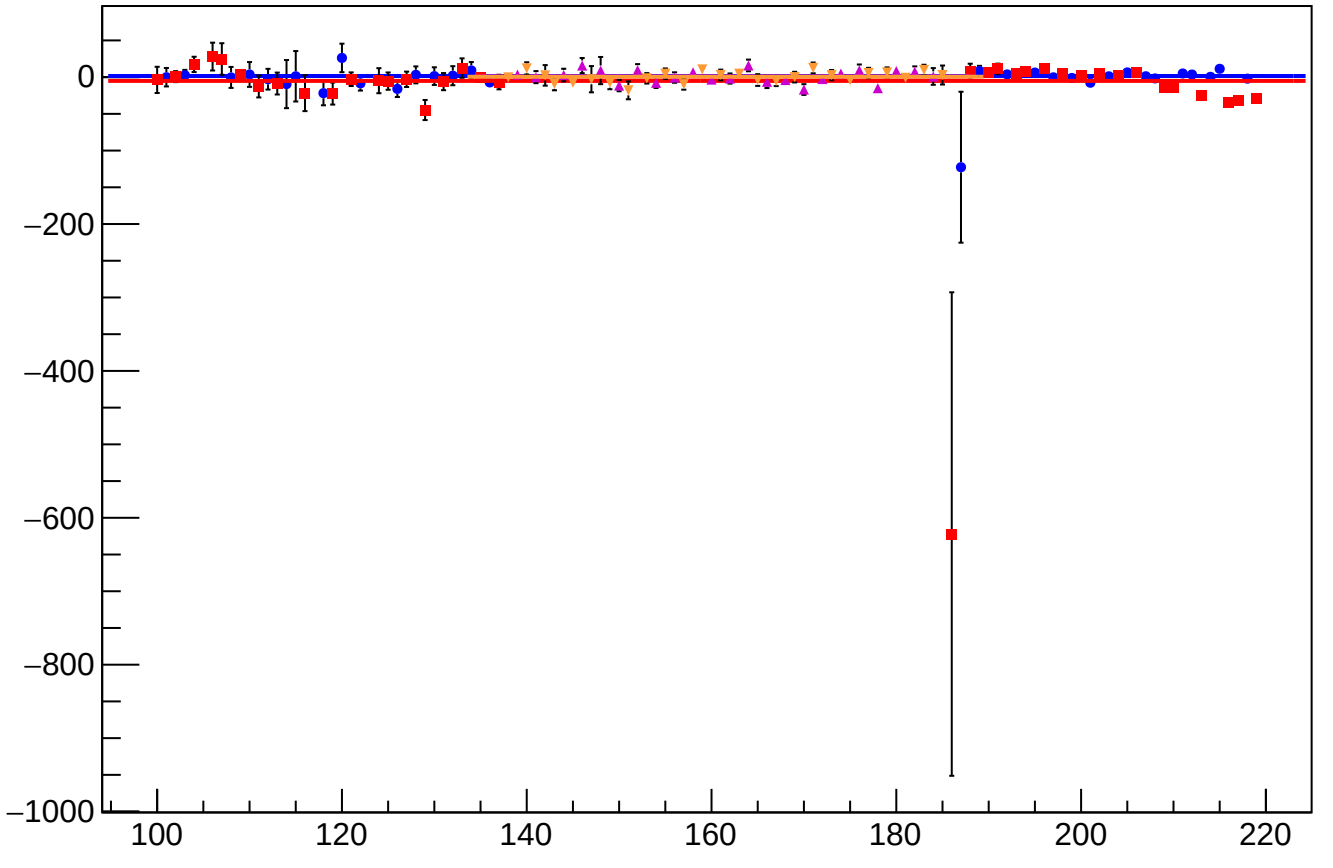
Right: -0.387+/-2.197 χ^2/NDF: 91.7/68

In: -0.446+/-2.138 χ^2/NDF:51.1/54

Out: -0.574+/-2.078 χ^2/NDF:85.9/61

All: -0.512+/-1.490 χ^2/NDF: 137.0/116


diff_bpm11X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
220
Right In: 13784.064+/-2.215 χ²/NDF: 1475441.9/31
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 13991.330+/-2.180 χ²/NDF: 1621343.4/36
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
Left: 12149.117+/-1.434 χ²/NDF: 2982262.4/47
Right: 13889.361+/-1.554 χ²/NDF: 3101233.6/68
In: 12964.412+/-1.512 χ²/NDF:3147904.8/54
Out: 12935.764+/-1.469 χ²/NDF:3612892.1/61
All: 12949.677+/-1.054 χ²/NDF: 6760981.6/



Right In: 1.540+/-1.068 χ^2/NDF: 27.2/31

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: -5.118+/-1.049 χ^2/NDF: 205.2/36

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

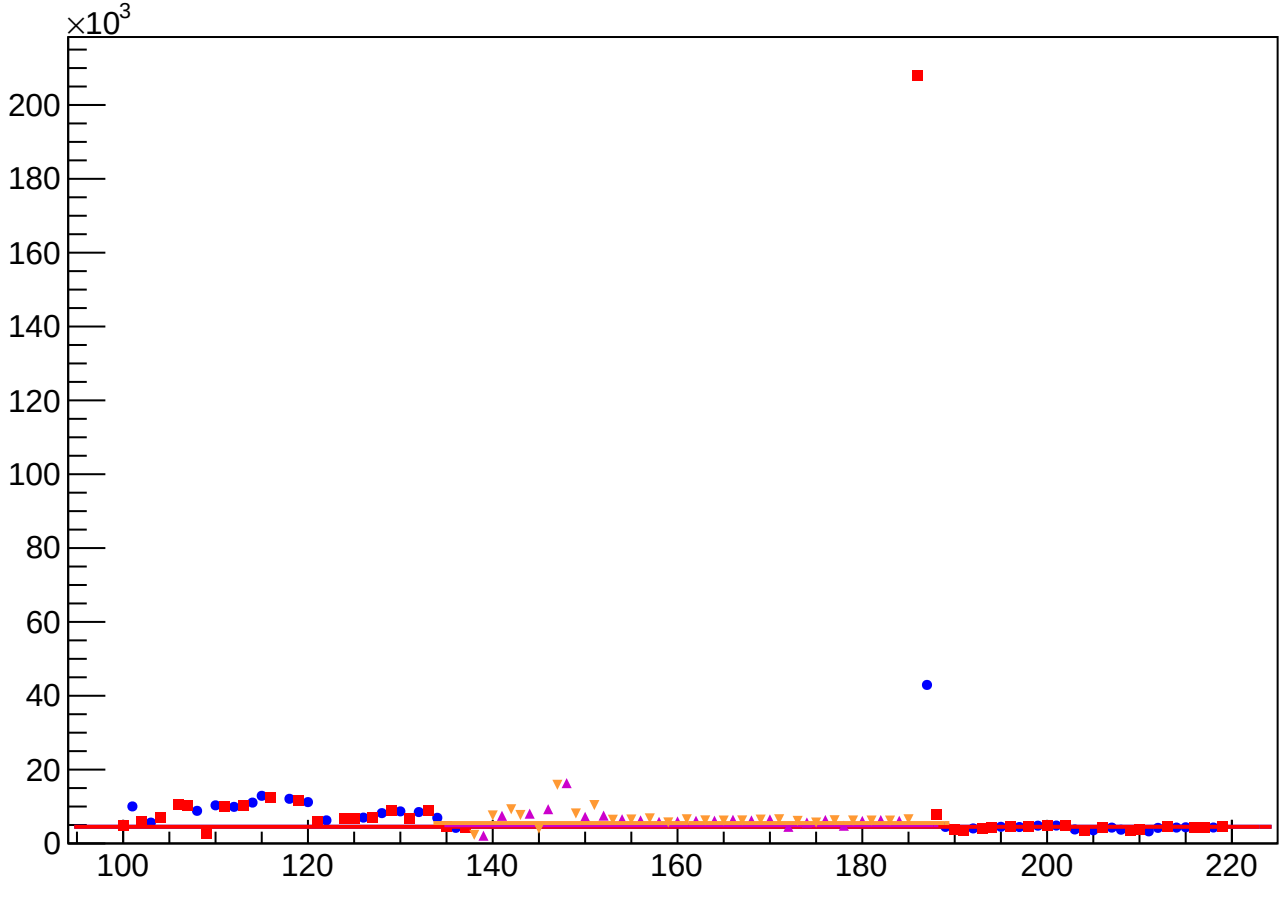
Right: -1.848+/-0.748 χ^2/NDF: 252.2/68

In: 1.300+/-0.824 χ^2/NDF:59.5/54

Out: -3.030+/-0.833 χ^2/NDF:237.4/61

All: -0.842+/-0.586 χ^2/NDF: 310.5/116

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 4521.578+/-0.755 χ^2/NDF: 3729948.6/31

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 4511.610+/-0.742 χ^2/NDF: 4243639.6/36

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

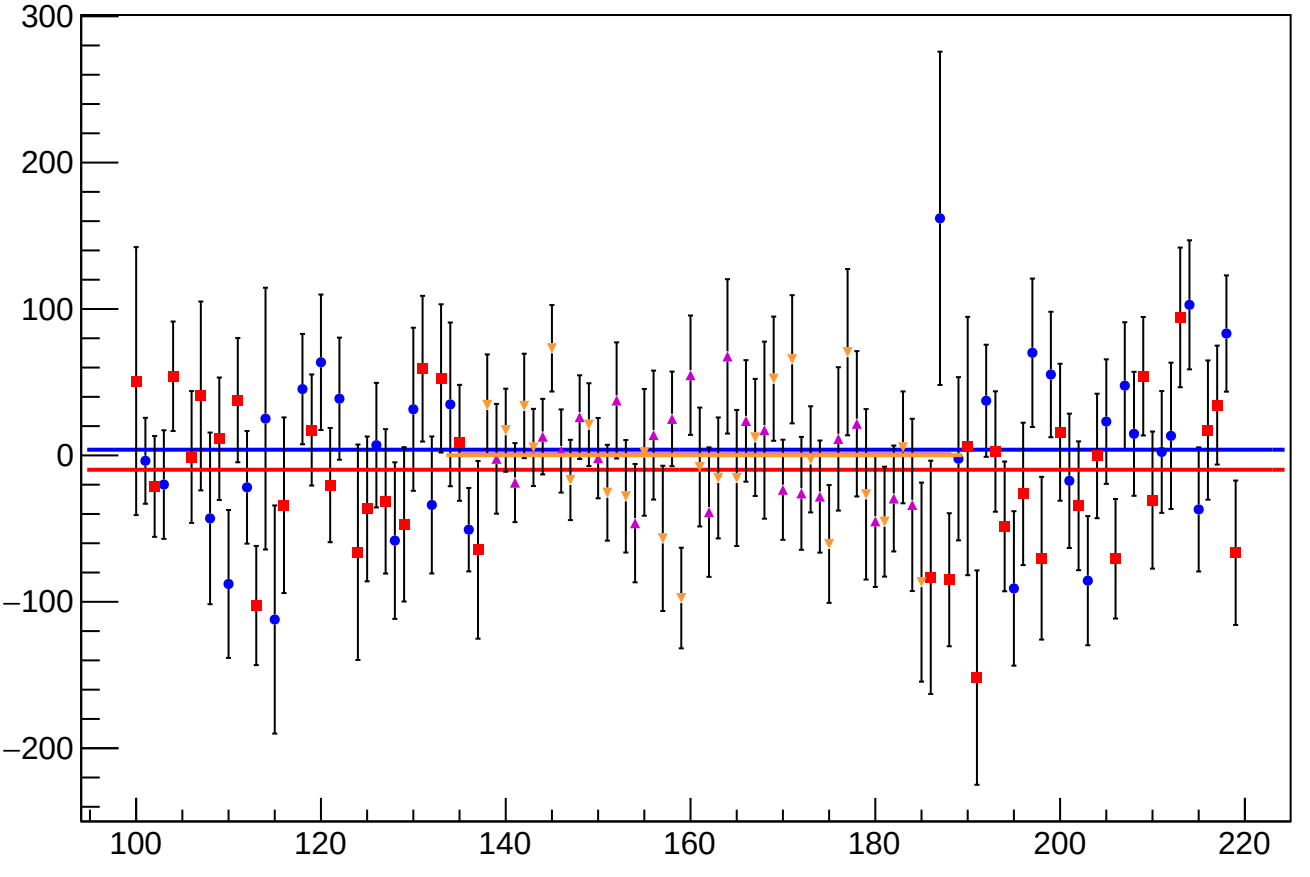
Right: 4516.505+/-0.529 χ^2/NDF: 7973676.9/68

In: 4691.848+/-0.582 χ^2/NDF:9791610.1/54

Out: 4887.636+/-0.589 χ^2/NDF:9314151.8/61

All: 4788.697+/-0.414 χ^2/NDF: 19161657.7/1

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: 3.895+/-7.855 χ^2/NDF: 41.6/31

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -9.793+/-7.730 χ^2/NDF: 40.3/36

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

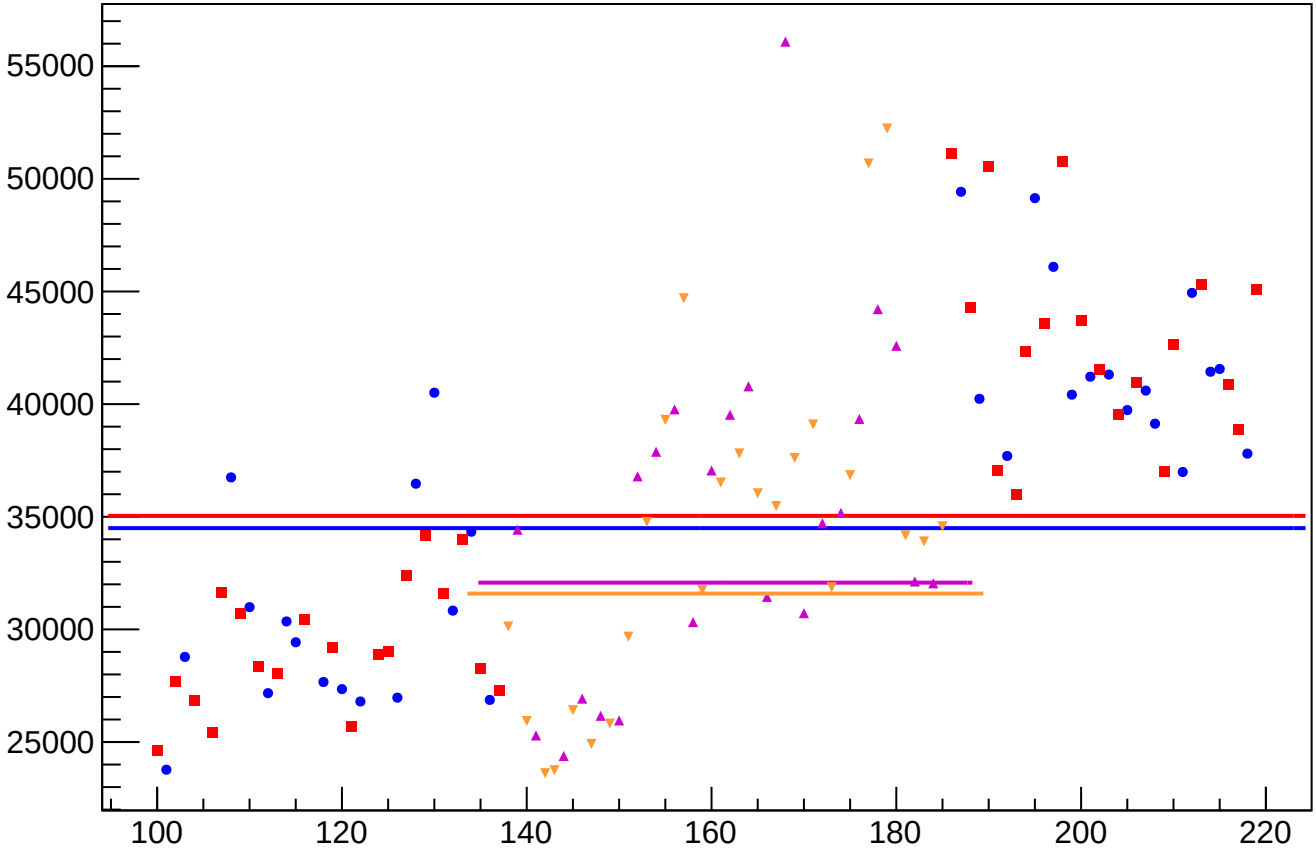
Right: -3.059+/-5.509 χ^2/NDF: 83.4/68

In: 2.201+/-5.487 χ^2/NDF:54.5/54

Out: -4.579+/-5.336 χ^2/NDF:72.3/61

All: -1.283+/-3.825 χ^2/NDF: 127.6/116

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 34495.489+/-5.554 χ^2/NDF: 1603226.3/31

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 35039.964+/-5.466 χ^2/NDF: 1727032.9/36

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

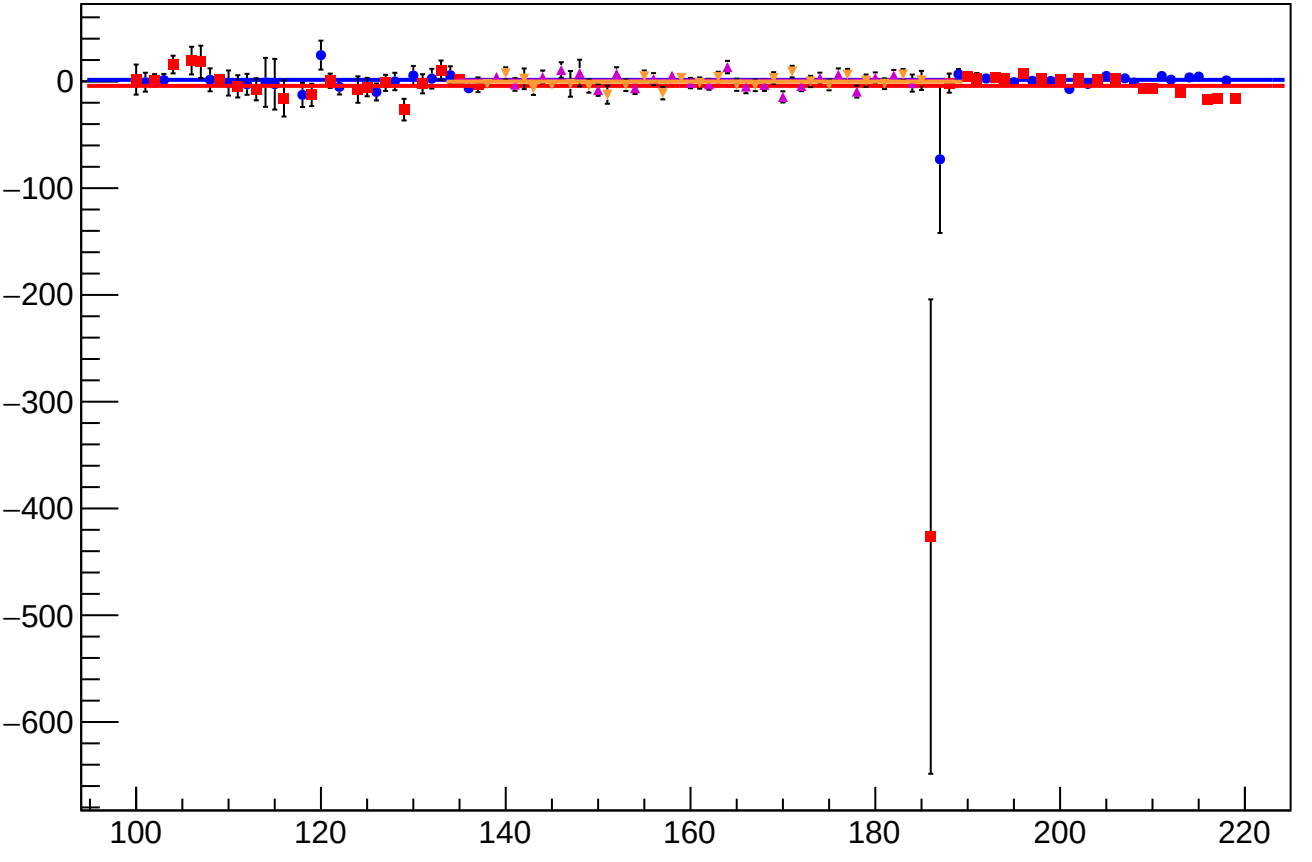
Right: 34772.090+/-3.896 χ^2/NDF: 3335141.1/68

In: 33255.992+/-3.880 χ^2/NDF:3156191.7/54

Out: 33233.834+/-3.773 χ^2/NDF:3526477.0/61

All: 33244.605+/-2.705 χ^2/NDF: 6682685.5/1

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.613 χ^2/NDF: 37.0/31

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: -4.215+/-0.622 χ^2/NDF: 183.8/36

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

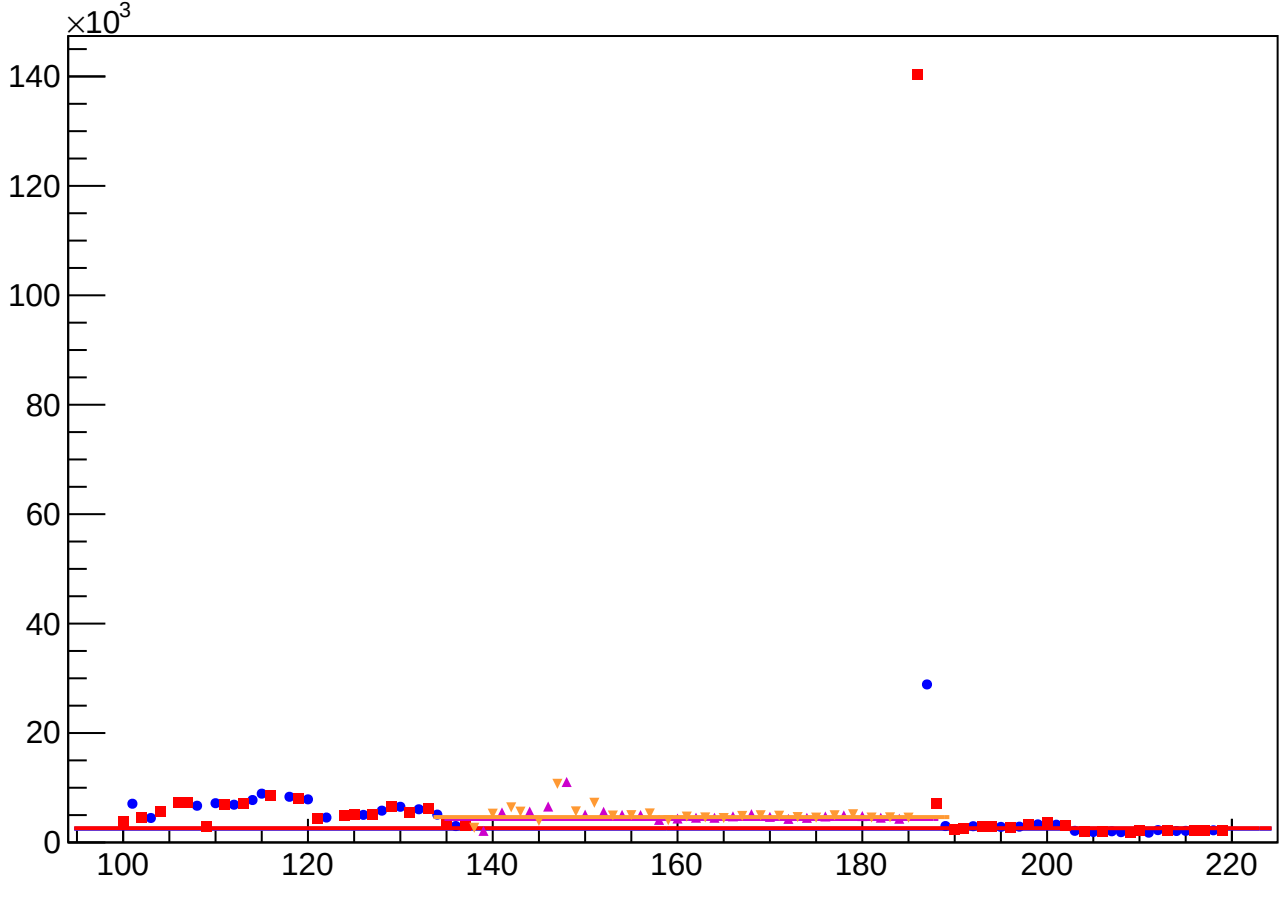
Right: -1.344+/-0.437 χ^2/NDF: 262.8/68

In: 1.279+/-0.531 χ^2/NDF:71.1/54

Out: -3.240+/-0.541 χ^2/NDF:213.7/61

All: -0.938+/-0.379 χ^2/NDF: 320.3/116

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 2511.060+/-0.433 χ^2/NDF: 6042300.3/31

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 2606.315+/-0.440 χ^2/NDF: 6562501.2/36

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

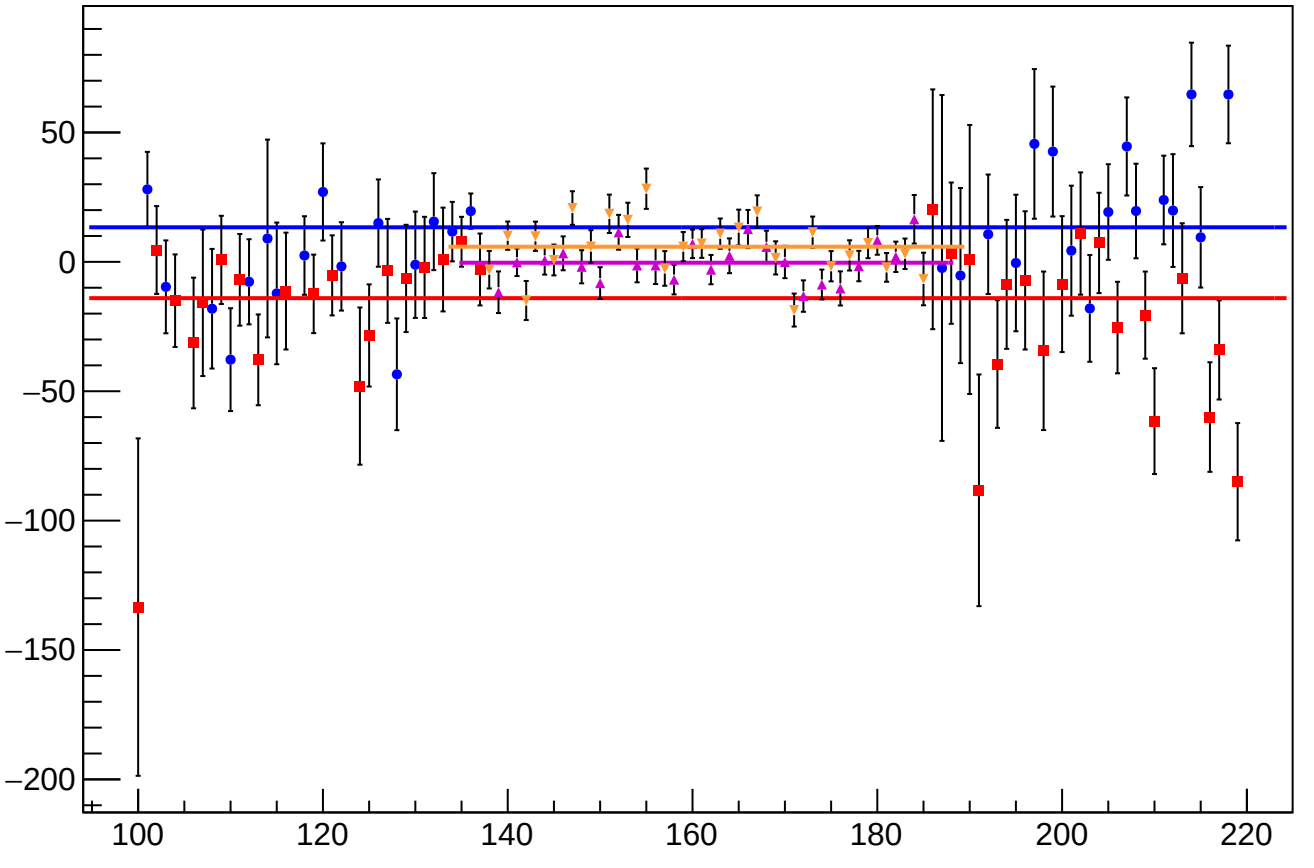
Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

Right: 2557.978+/-0.309 χ^2/NDF: 12628595.0/68

In: 2957.670+/-0.375 χ^2/NDF:13379866.0/54

Out: 3102.668+/-0.382 χ^2/NDF:13535314.8/61

All: 3028.801+/-0.268 χ^2/NDF: 26988429.5/



Right In: 13.354+/-3.133 χ^2/NDF: 46.9/31

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: -14.026+/-3.296 χ^2/NDF: 46.5/36

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

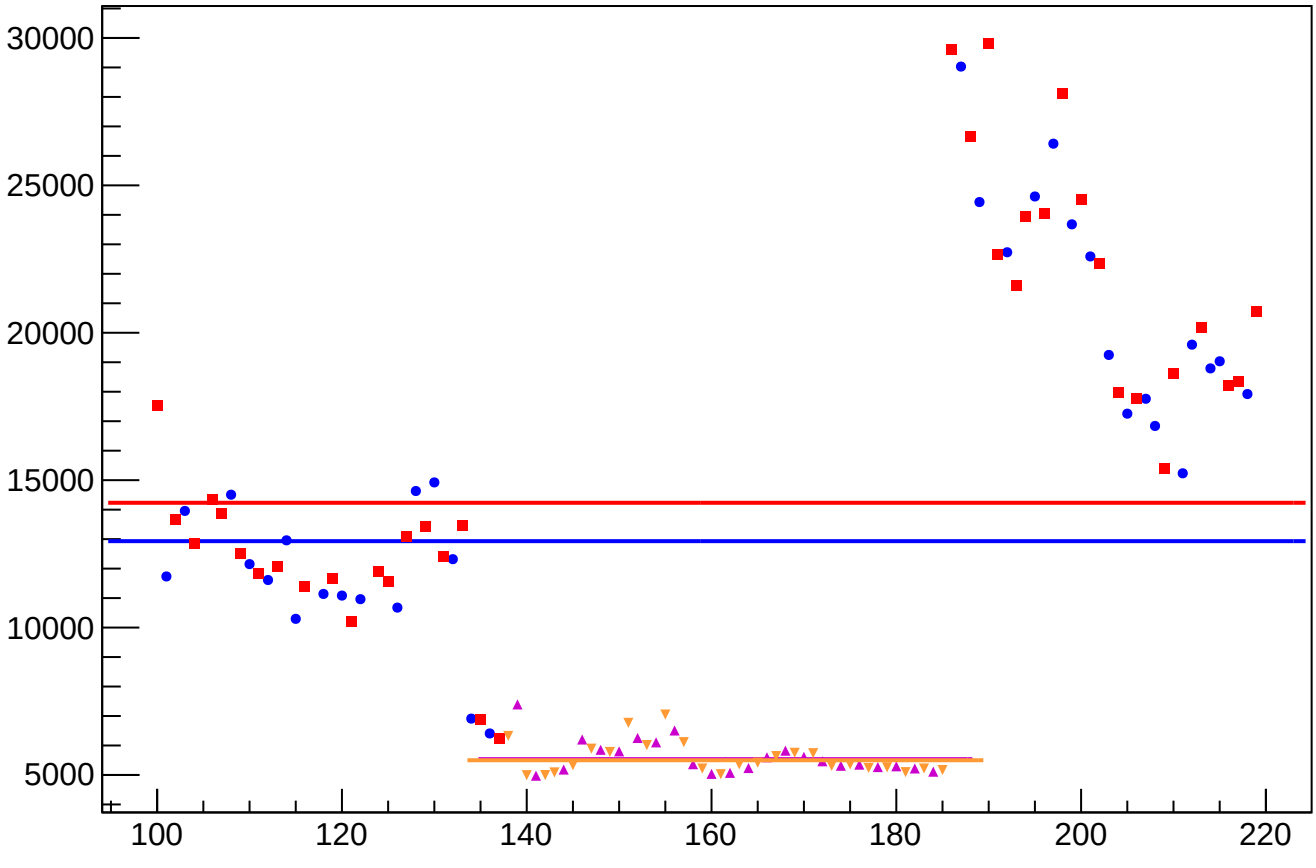
Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

Right: 0.357+/-2.271 χ^2/NDF: 129.7/68

In: 1.676+/-1.201 χ^2/NDF:92.6/54

Out: 3.324+/-1.175 χ^2/NDF:138.3/61

All: 2.518+/-0.840 χ^2/NDF: 231.8/116



Right In: 12931.191+/-2.216 χ^2/NDF: 6032803.0/31

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 14232.969+/-2.331 χ^2/NDF: 5561693.2/36

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

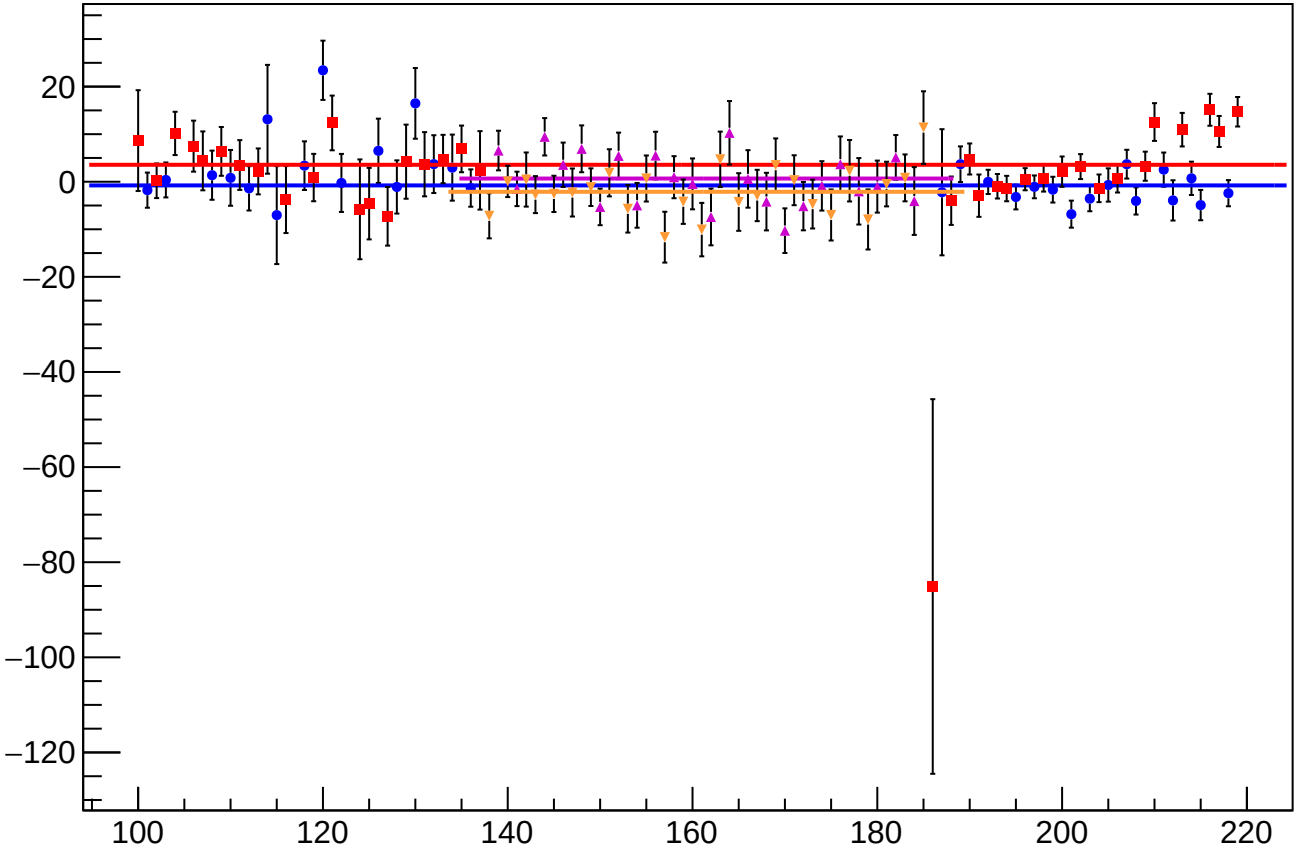
Right: 13549.117+/-1.606 χ^2/NDF: 11758361.8/68

In: 6624.663+/-0.849 χ^2/NDF:15835241.2/54

Out: 6608.668+/-0.831 χ^2/NDF:18116578.9/61

All: 6616.487+/-0.594 χ^2/NDF: 33952001.4/1

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.775+/-0.664 χ^2/NDF: 40.7/31

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 3.560+/-0.647 χ^2/NDF: 75.3/36

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

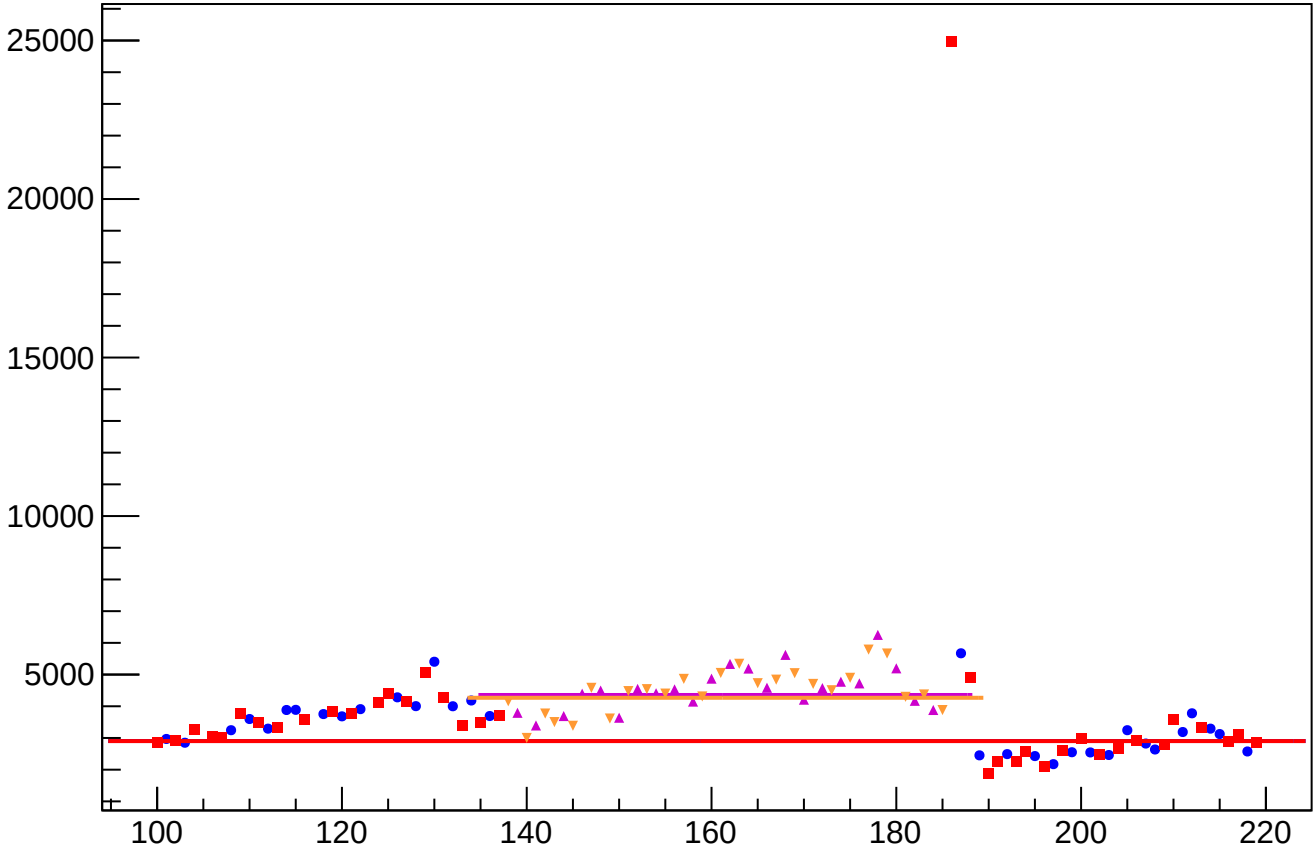
Right: 1.450+/-0.464 χ^2/NDF: 137.9/68

In: -0.351+/-0.558 χ^2/NDF:70.4/54

Out: 1.855+/-0.541 χ^2/NDF:115.9/61

All: 0.787+/-0.389 χ^2/NDF: 194.4/116

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 2904.183+/-0.470 χ^2/NDF: 1566222.6/31

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2901.720+/-0.458 χ^2/NDF: 2523621.1/36

Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

Left: 4309.839+/-0.504 χ^2/NDF: 1785408.9/47

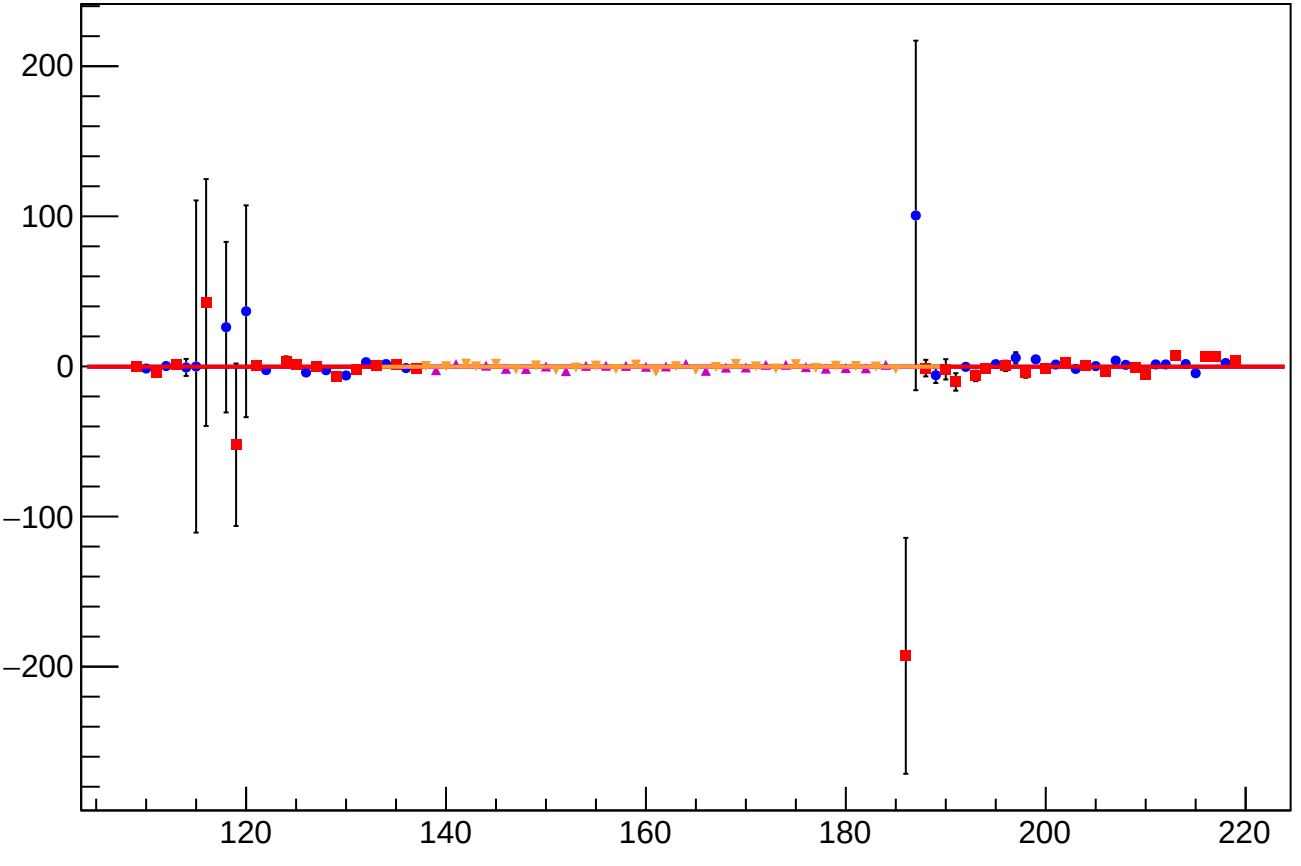
Right: 2902.919+/-0.328 χ^2/NDF: 4089857.9/68

In: 3330.266+/-0.395 χ^2/NDF:5111248.5/54

Out: 3312.115+/-0.383 χ^2/NDF:6236312.9/61

All: 3320.905+/-0.275 χ^2/NDF: 11348650.9/1

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -0.196+/-0.494 χ^2/NDF: 32.6/28

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -0.158+/-0.497 χ^2/NDF: 60.0/31

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

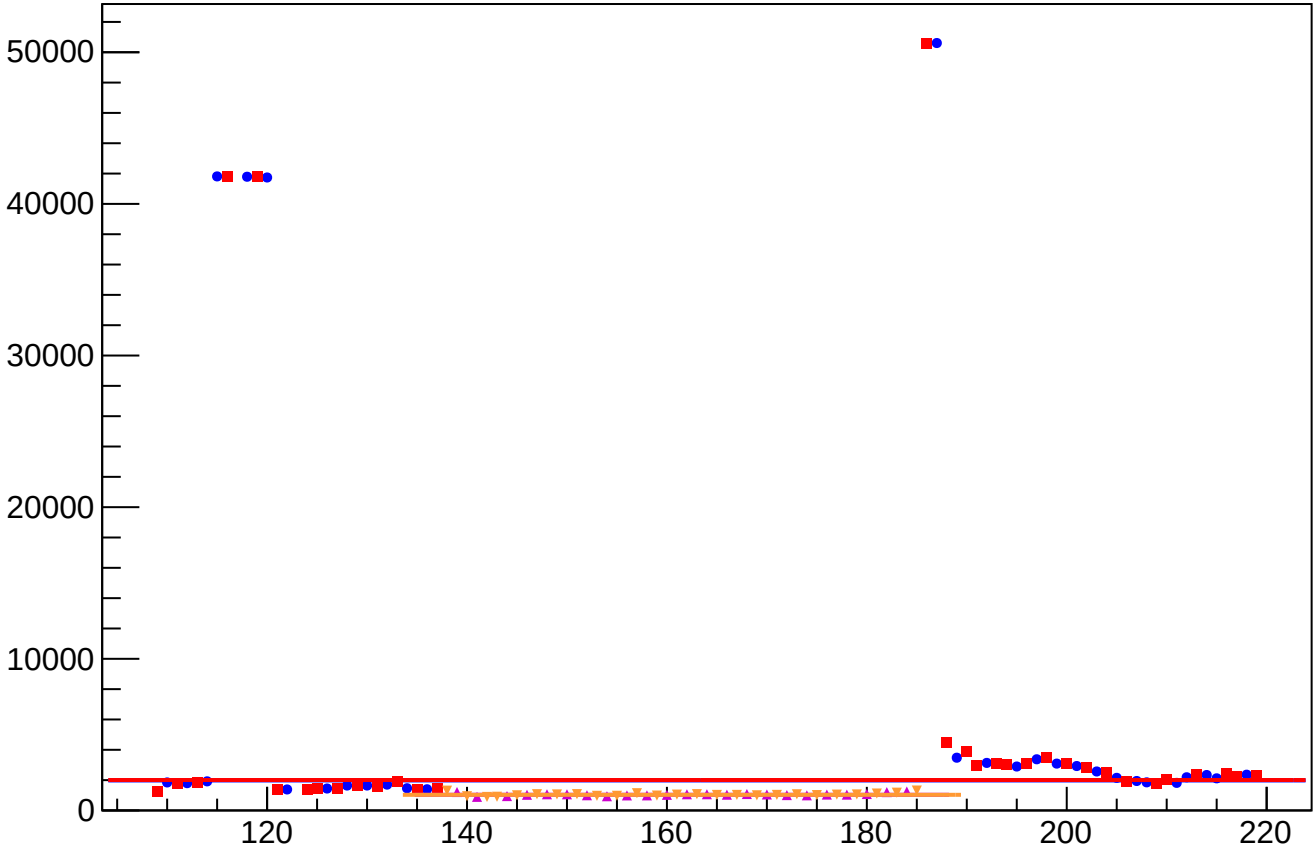
Right: -0.177+/-0.350 χ^2/NDF: 92.6/60

In: -0.307+/-0.217 χ^2/NDF:62.1/51

Out: -0.193+/-0.213 χ^2/NDF:93.9/56

All: -0.249+/-0.152 χ^2/NDF: 156.1/108

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1979.932+/-0.349 χ^2/NDF: 4525066.1/28

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 2007.177+/-0.351 χ^2/NDF: 5525514.5/31

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

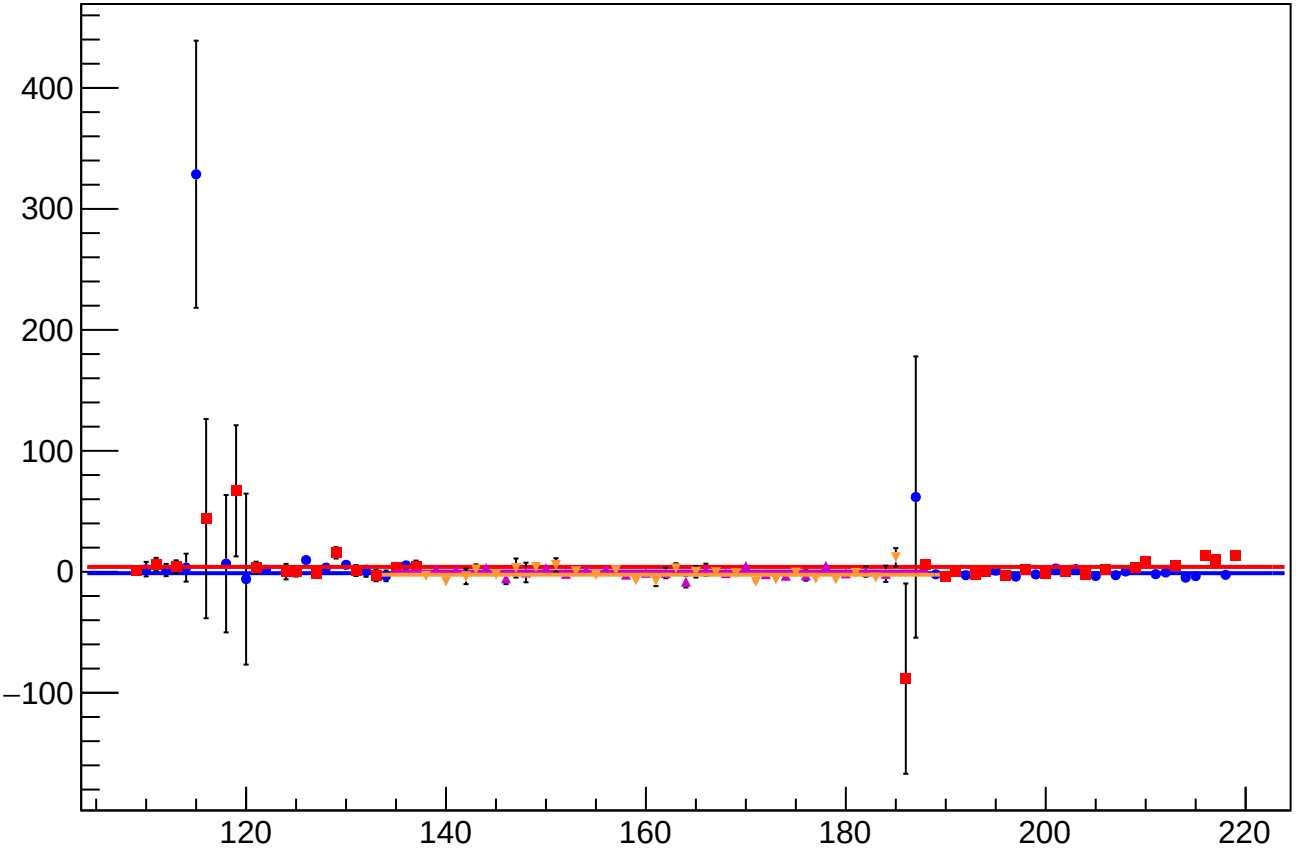
Right: 1993.467+/-0.248 χ^2/NDF: 10053605.6/60

In: 1216.365+/-0.154 χ^2/NDF:10645105.9/51

Out: 1210.408+/-0.150 χ^2/NDF:12065473.2/56

All: 1213.323+/-0.108 χ^2/NDF: 22711346.0/

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: -1.135+/-0.413 χ^2/NDF: 56.2/28

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 4.050+/-0.420 χ^2/NDF: 164.1/31

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

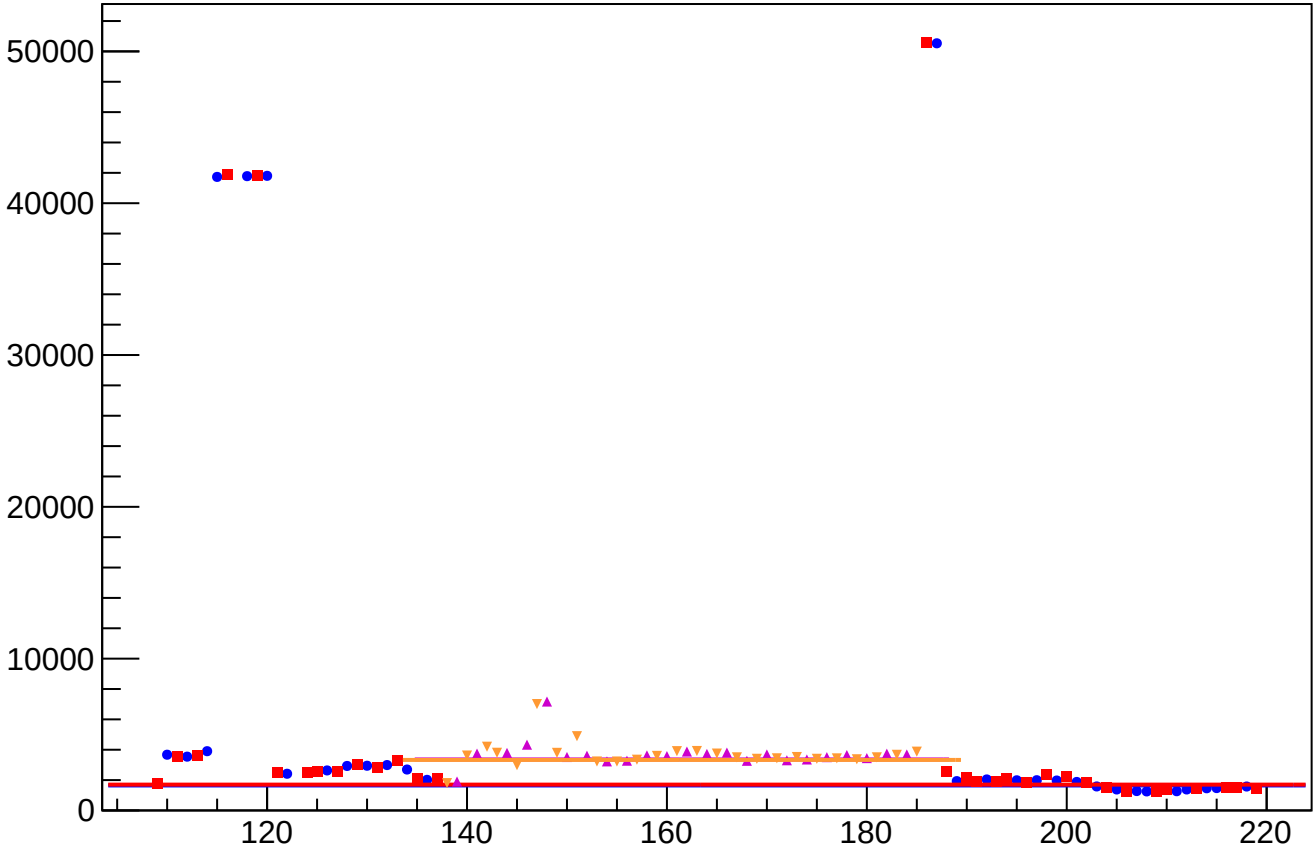
Right: 1.414+/-0.294 χ^2/NDF: 298.0/60

In: -0.866+/-0.368 χ^2/NDF:71.0/51

Out: 2.613+/-0.370 χ^2/NDF:240.9/56

All: 0.864+/-0.261 χ^2/NDF: 356.4/108

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 1646.985+/-0.292 χ^2/NDF: 4692917.1/28

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 1701.680+/-0.297 χ^2/NDF: 4894679.2/31

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

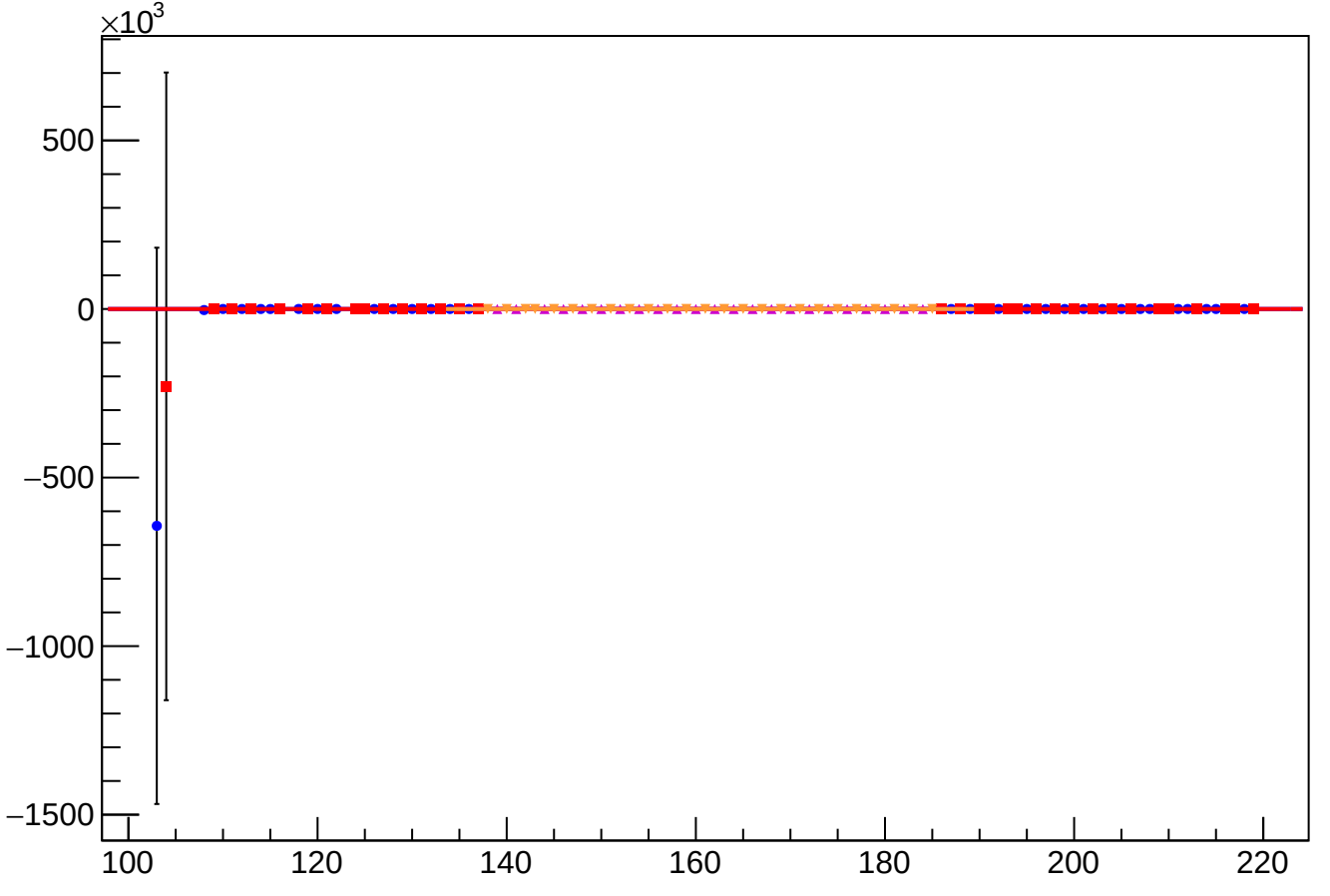
Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

Right: 1673.871+/-0.208 χ^2/NDF: 9604879.2/60

In: 2000.212+/-0.260 χ^2/NDF:13457181.6/51

Out: 2065.143+/-0.261 χ^2/NDF:13528055.6/56

All: 2032.488+/-0.184 χ^2/NDF: 27016263.6/



Right In: -2.365+/-0.523 χ^2/NDF: 44.8/30

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 3.645+/-0.536 χ^2/NDF: 89.8/32

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

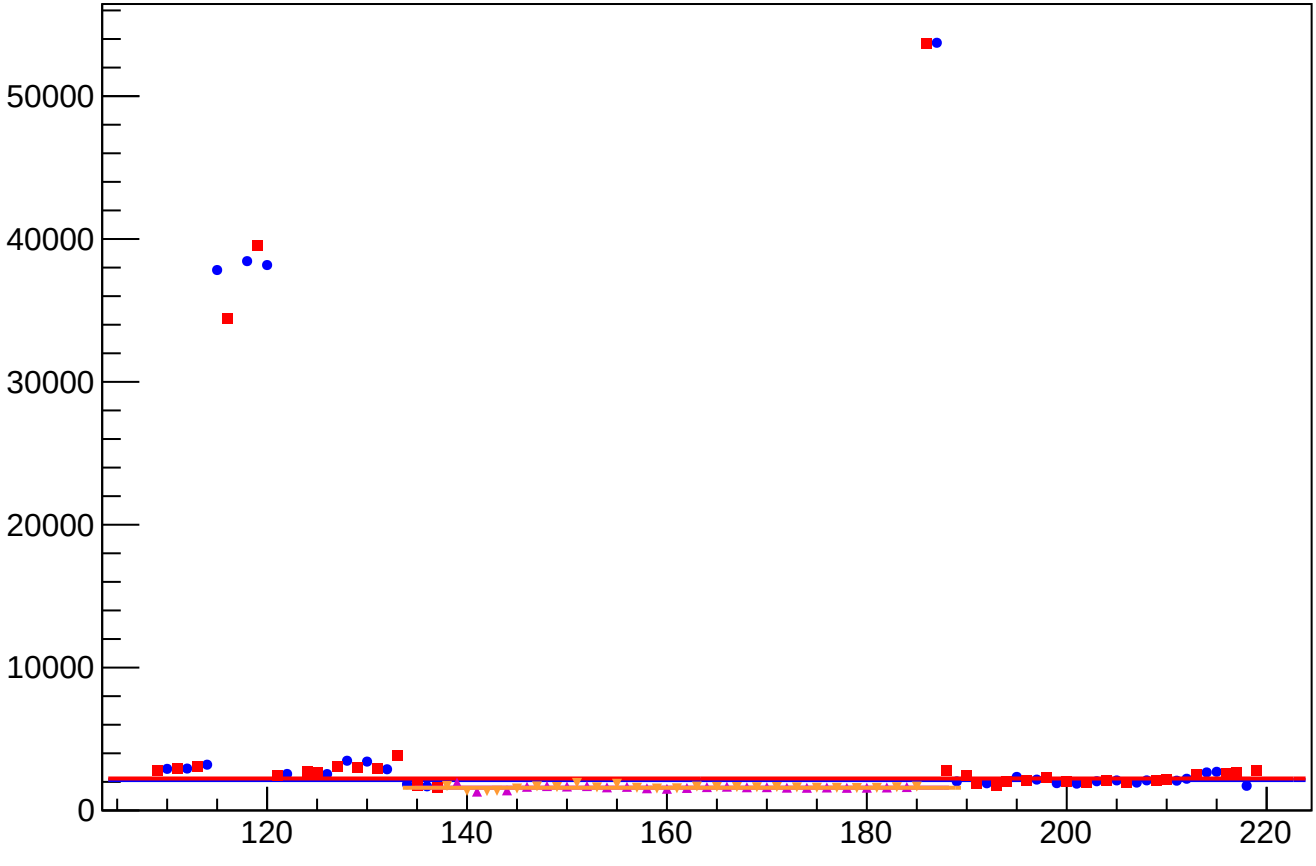
Right: 0.565+/-0.374 χ^2/NDF: 199.1/63

In: -0.813+/-0.304 χ^2/NDF:85.5/53

Out: 0.067+/-0.301 χ^2/NDF:205.1/57

All: -0.367+/-0.214 χ^2/NDF: 294.8/111

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2125.559+/-0.370 χ^2/NDF: 3229220.9/28

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2237.728+/-0.379 χ^2/NDF: 3439474.2/31

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

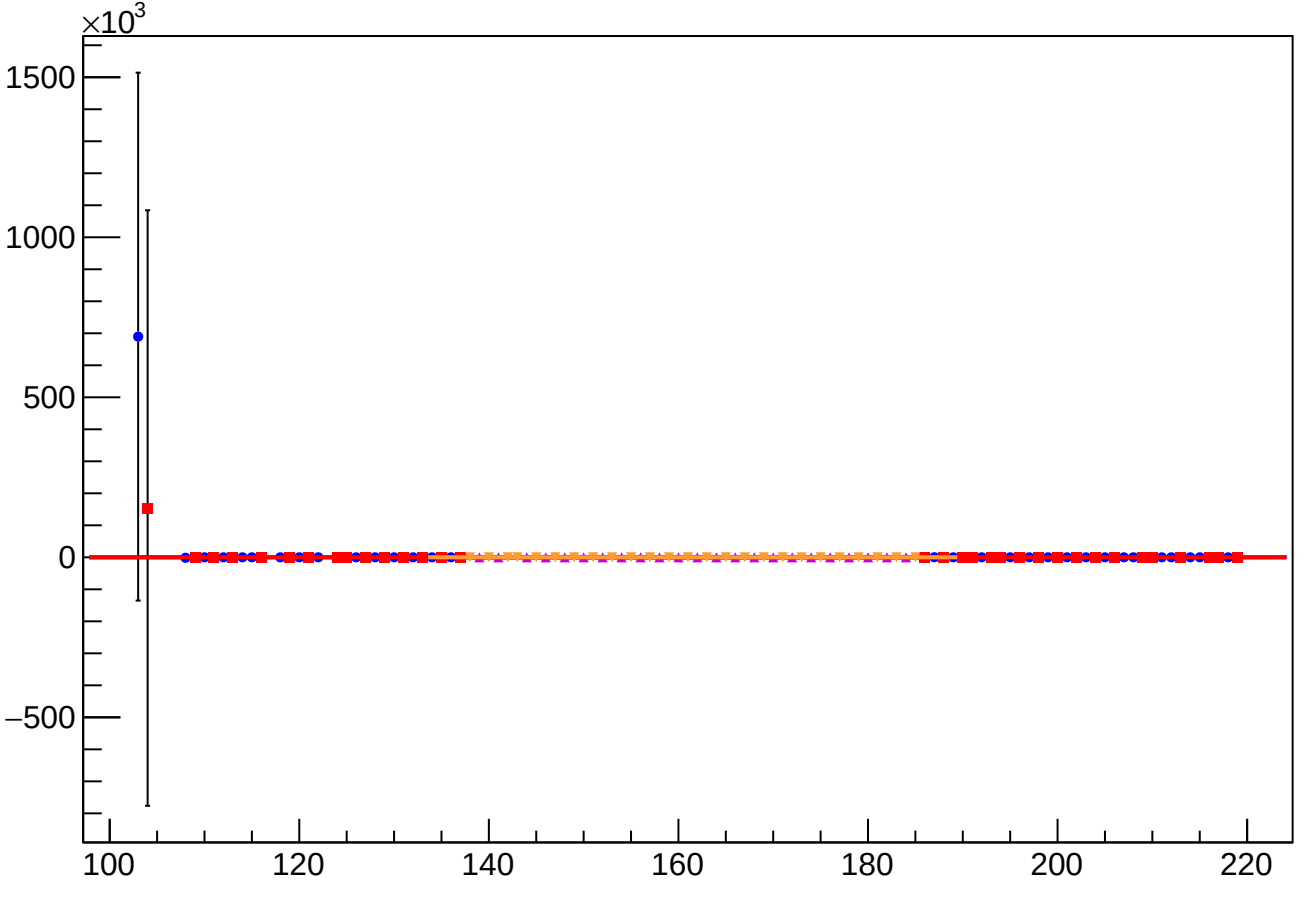
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2180.244+/-0.265 χ^2/NDF: 6713574.5/60

In: 1775.654+/-0.215 χ^2/NDF:4781305.5/51

Out: 1793.218+/-0.212 χ^2/NDF:5677564.0/56

All: 1784.550+/-0.151 χ^2/NDF: 10462241.3/1



Right In: -0.289+/-0.347 χ^2/NDF: 28.8/30

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 1.800+/-0.341 χ^2/NDF: 67.0/32

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

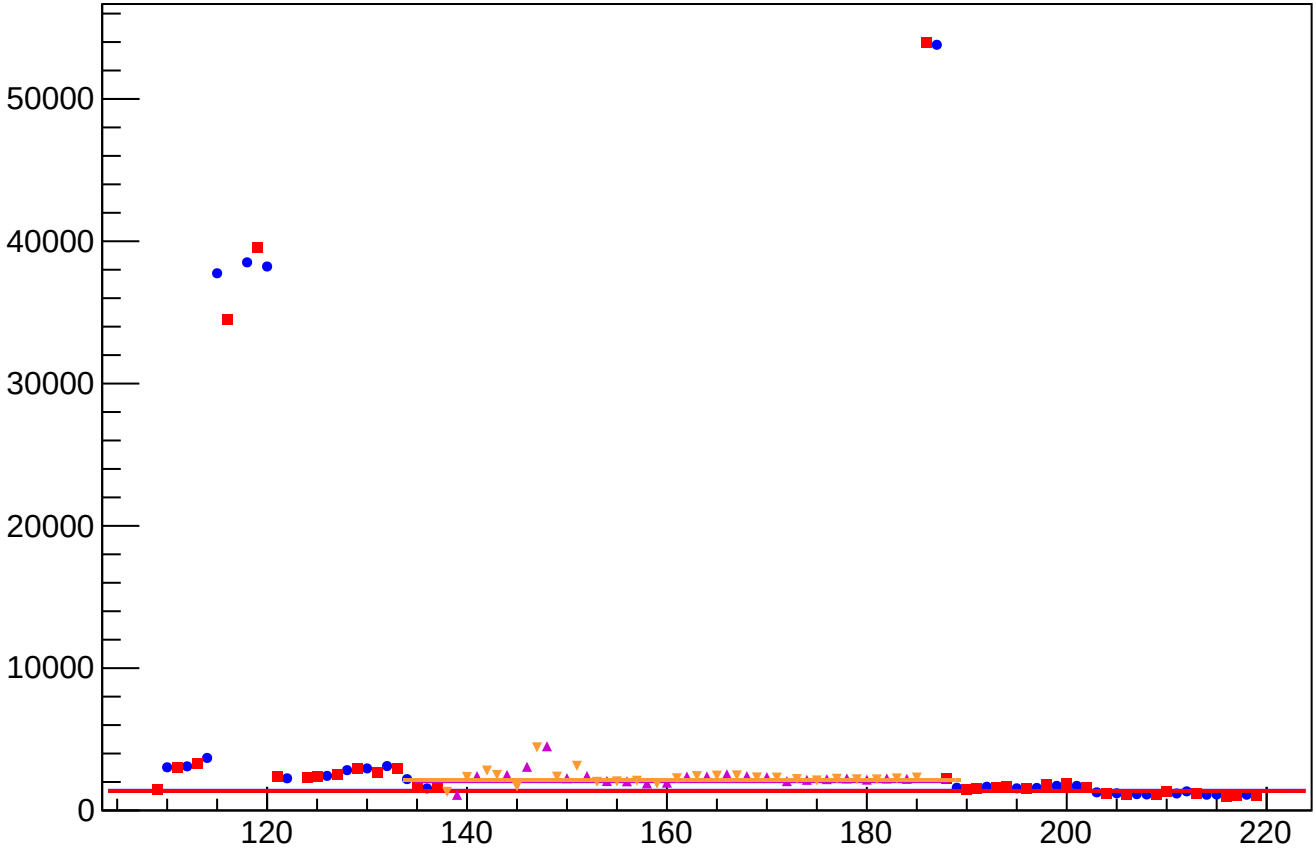
Right: 0.772+/-0.243 χ^2/NDF: 114.3/63

In: -0.236+/-0.285 χ^2/NDF:45.8/53

Out: 0.860+/-0.282 χ^2/NDF:115.5/57

All: 0.318+/-0.201 χ^2/NDF: 168.7/111

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 1378.279+/-0.245 χ^2/NDF: 4946408.7/28

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1371.063+/-0.241 χ^2/NDF: 5499651.1/31

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

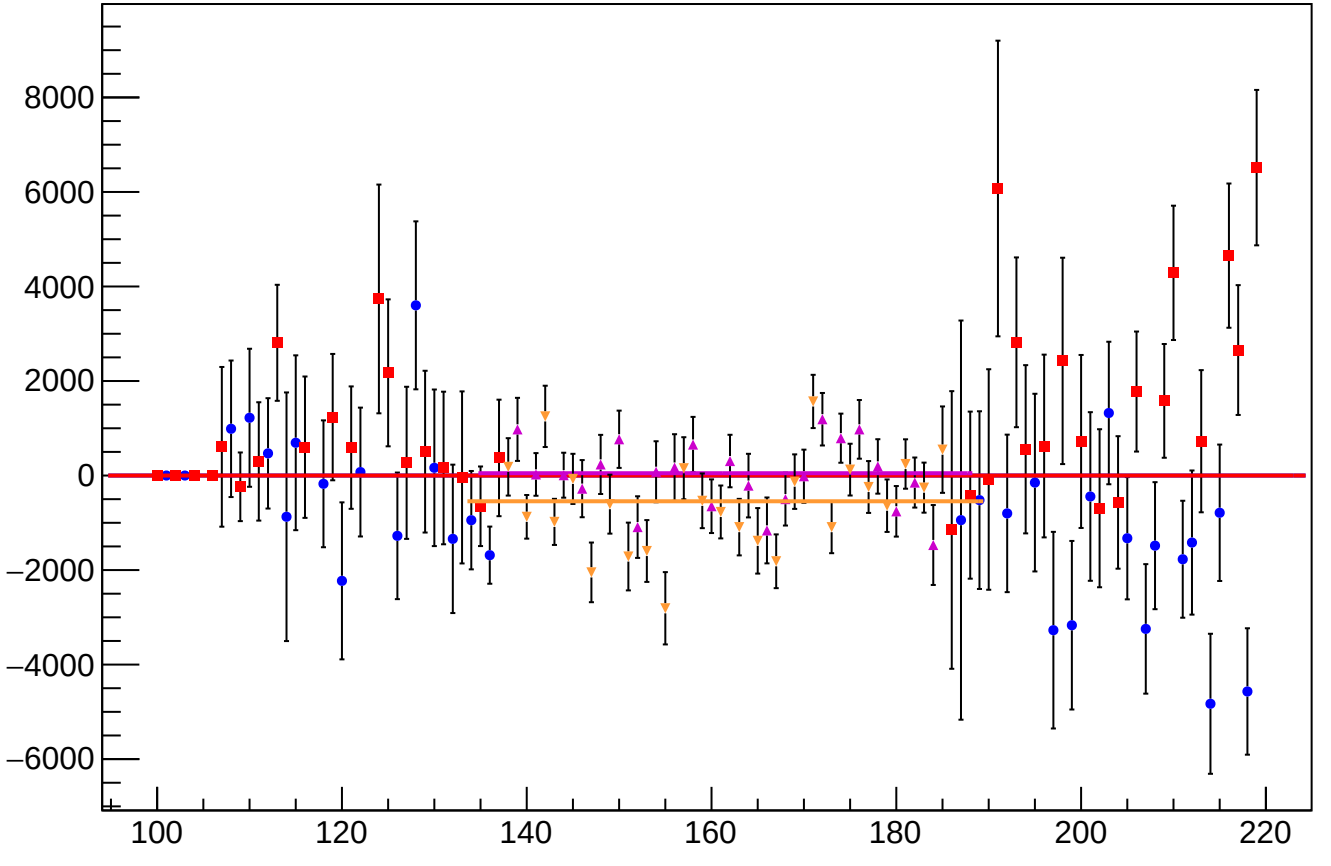
Right: 1374.612+/-0.172 χ^2/NDF: 10446500.1/60

In: 1598.291+/-0.202 χ^2/NDF:9729330.3/51

Out: 1613.426+/-0.200 χ^2/NDF:10179415.0/56

All: 1605.935+/-0.142 χ^2/NDF: 19911591.8/

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.254+/-0.356 χ^2/NDF: 58.0/31

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: -0.095+/-0.328 χ^2/NDF: 65.5/36

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

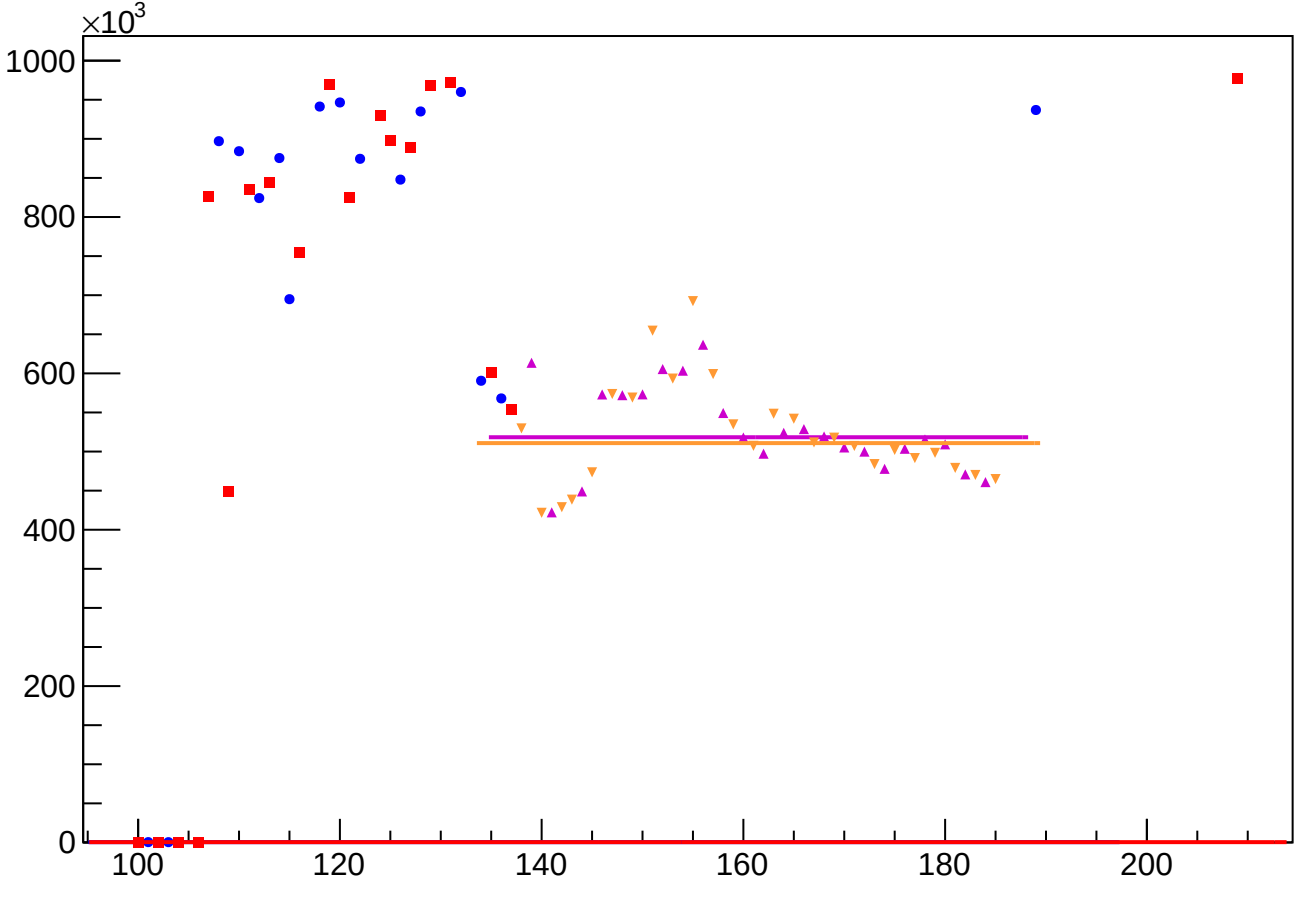
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 124.0/68

In: 0.254+/-0.356 χ^2/NDF:86.1/54

Out: -0.099+/-0.328 χ^2/NDF:148.0/61

All: 0.063+/-0.241 χ^2/NDF: 234.6/116



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

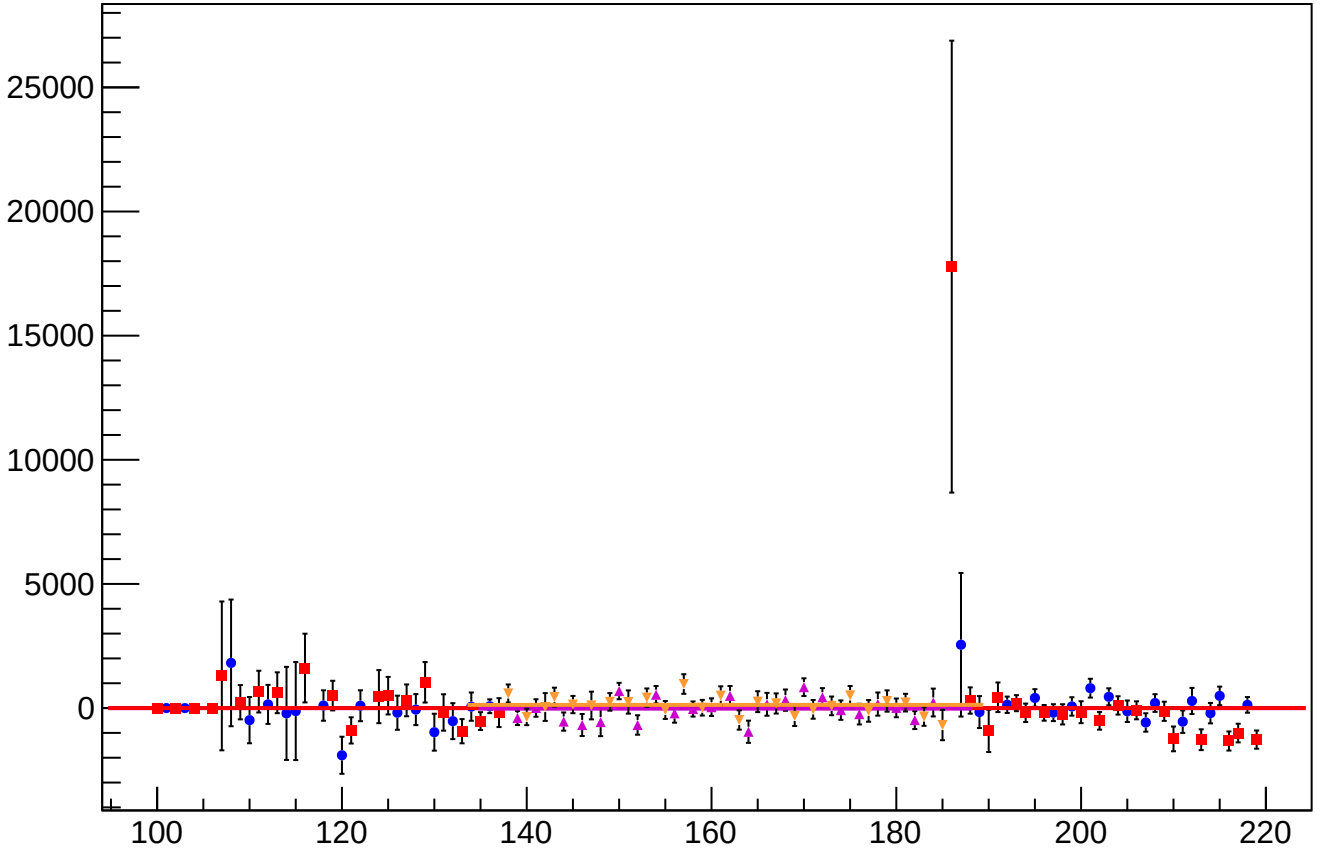
Right: 395.838+/-0.170 χ^2/NDF: 16370006.0/34

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: -0.019+/-0.347 χ^2/NDF: 26.1/31

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.603+/-0.324 χ^2/NDF: 71.1/36

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

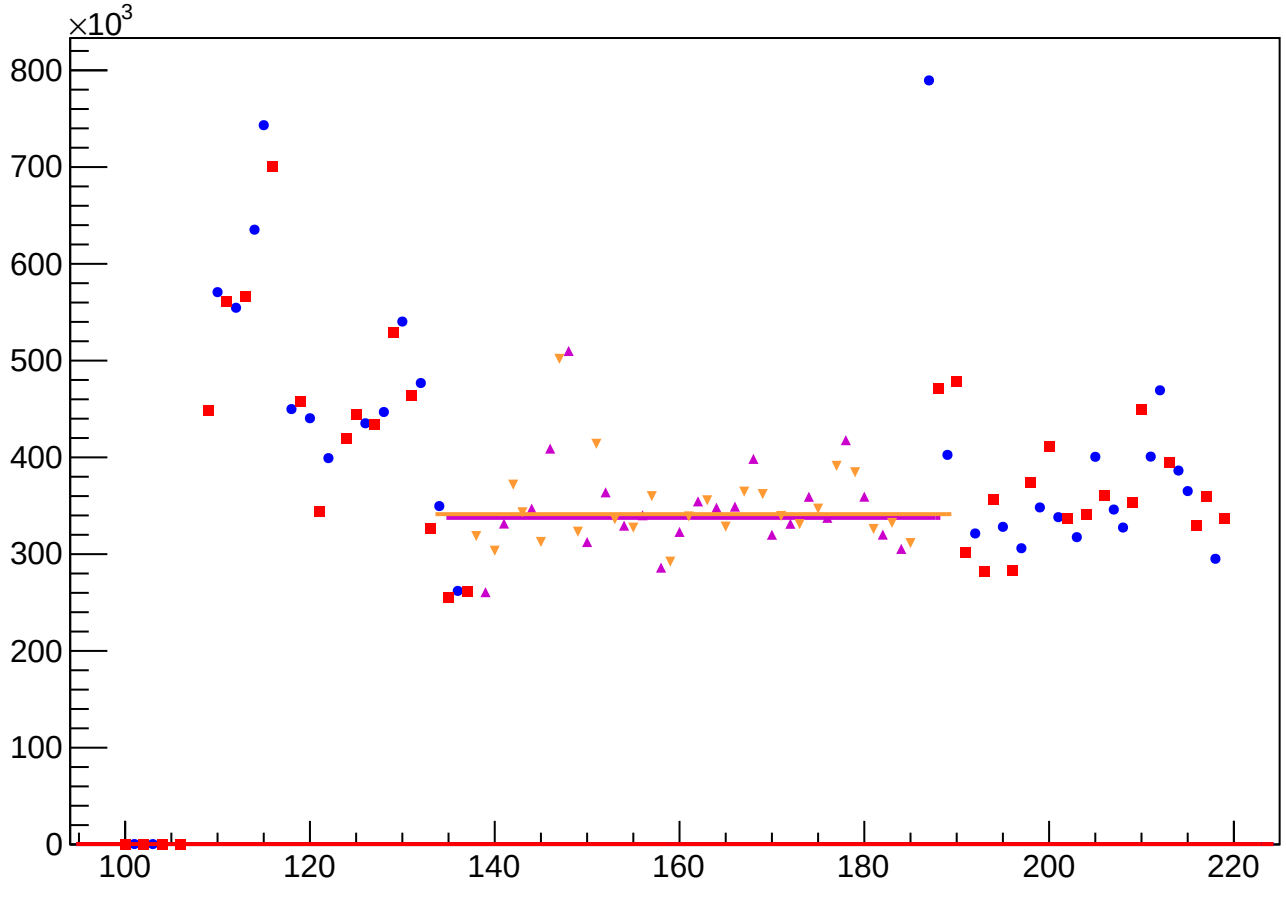
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.332+/-0.237 χ^2/NDF: 98.8/68

In: -0.019+/-0.347 χ^2/NDF:59.9/54

Out: -0.601+/-0.324 χ^2/NDF:94.0/61

All: -0.331+/-0.237 χ^2/NDF: 155.4/116



Right In: 394.560+/-0.245 χ^2/NDF: 35959791.7/30

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 391.880+/-0.229 χ^2/NDF: 37596374.3/34

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

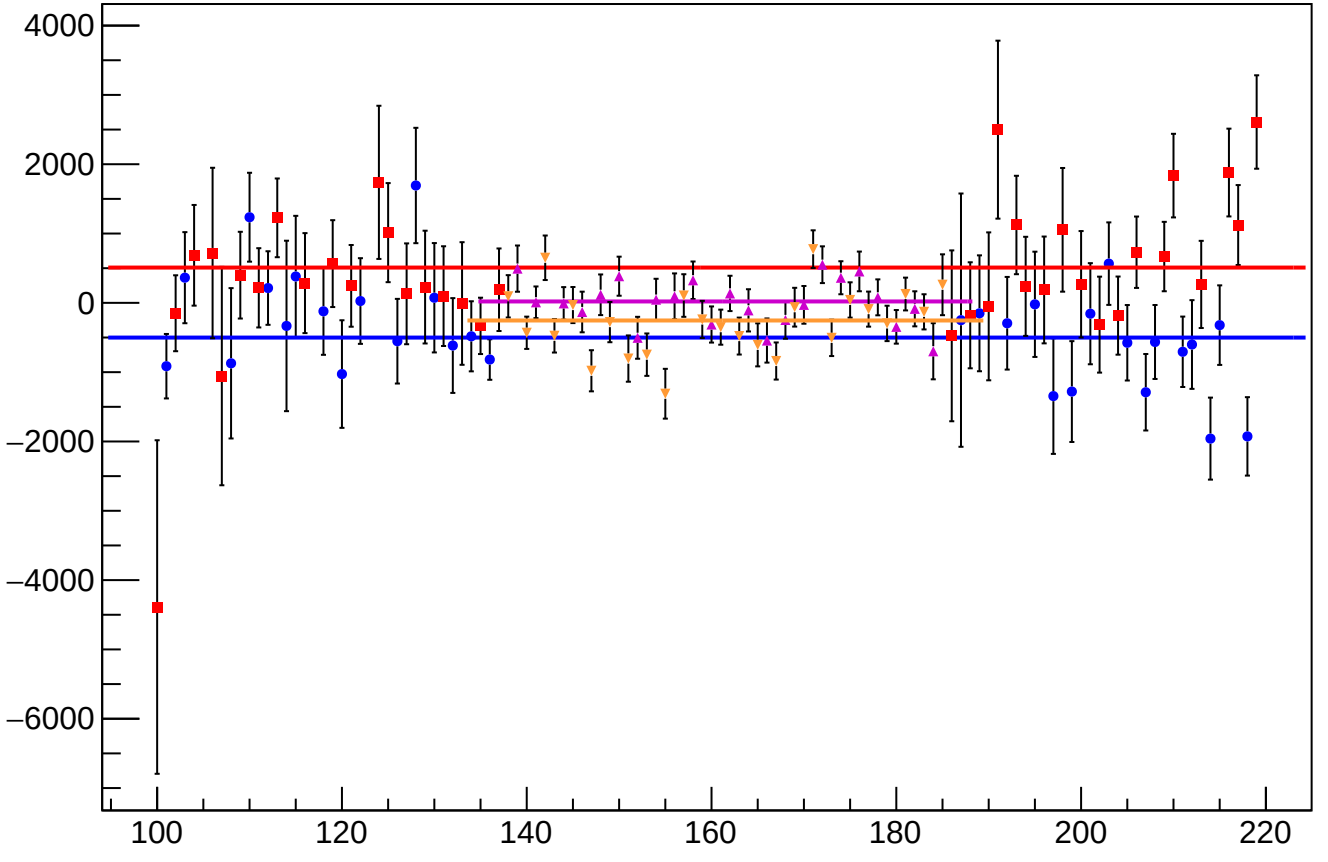
Right: 393.127+/-0.167 χ^2/NDF: 73556229.8/65

In: 400.943+/-0.245 χ^2/NDF:72277504.5/53

Out: 397.718+/-0.229 χ^2/NDF:75967024.5/59

All: 399.218+/-0.167 χ^2/NDF: 148244621.3/1

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -500.995+/-108.280 χ^2/NDF: 44.1/31

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 509.095+/-112.369 χ^2/NDF: 45.6/36

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

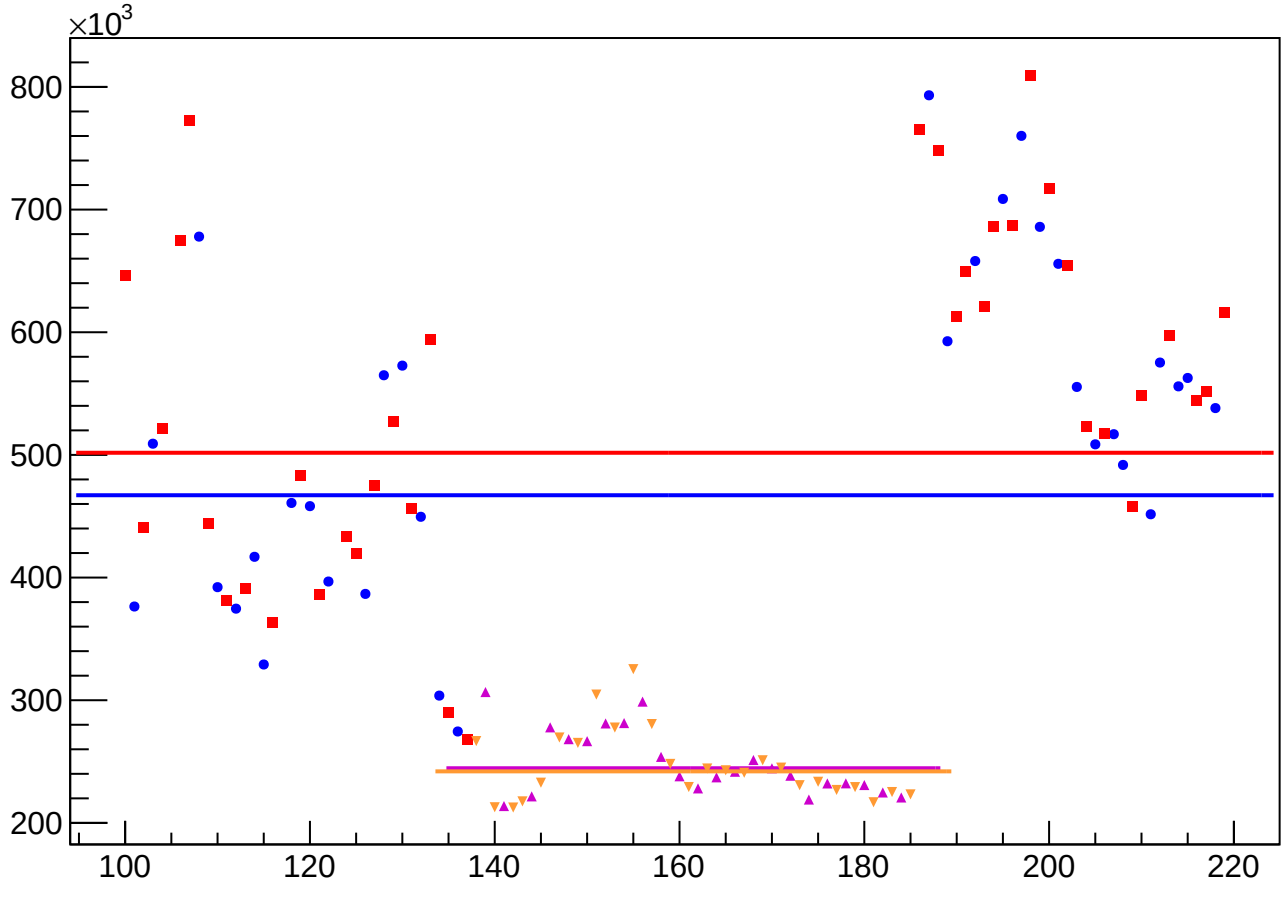
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -14.660+/-77.971 χ^2/NDF: 131.7/68

In: -94.413+/-50.773 χ^2/NDF:90.8/54

Out: -105.008+/-49.702 χ^2/NDF:144.0/61

All: -99.823+/-35.517 χ^2/NDF: 234.9/116



Right In: 467122.270+/-76.577 χ^2/NDF: 2805870.1/31

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 501748.797+/-79.530 χ^2/NDF: 2671772.8/36

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

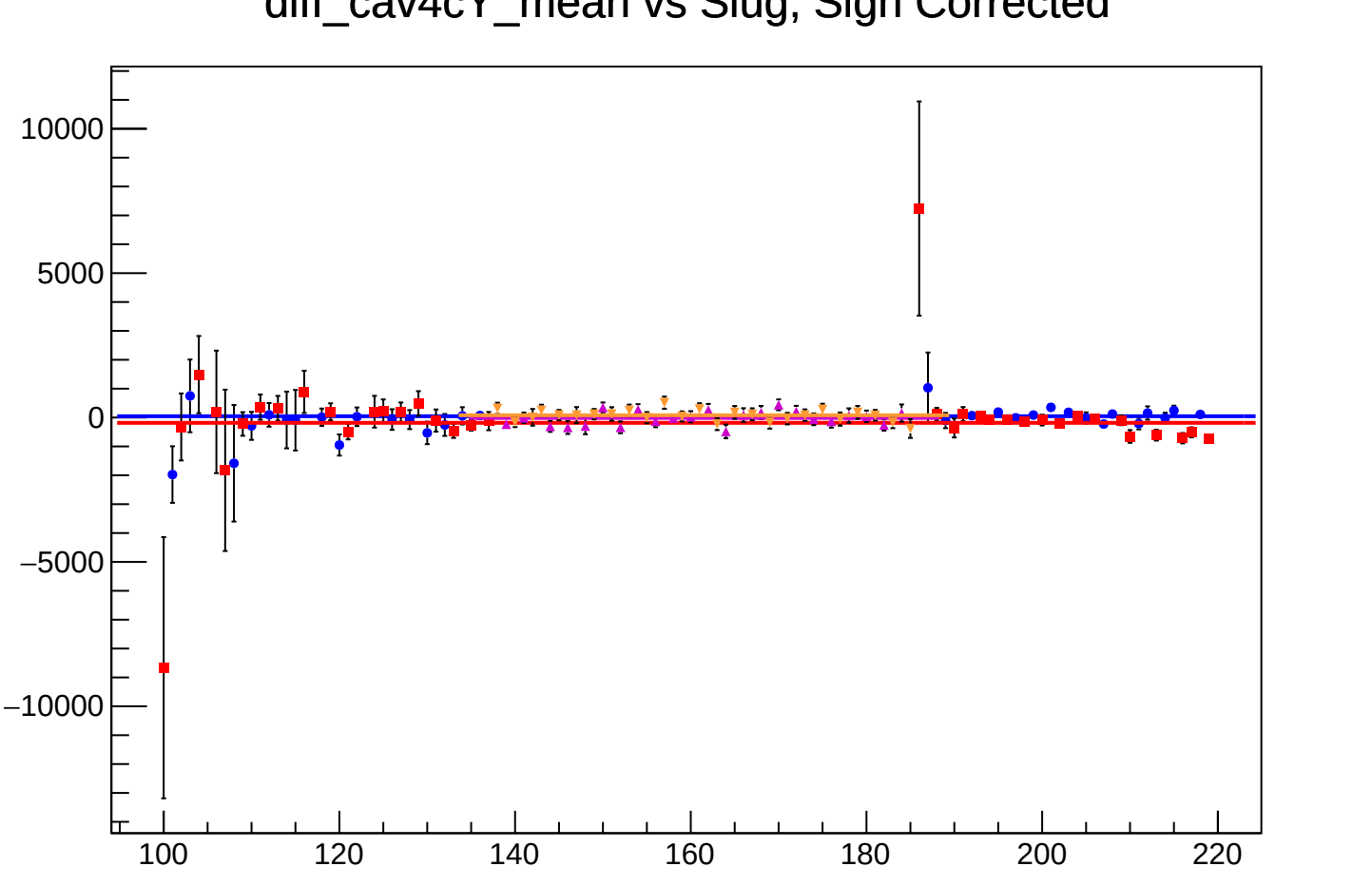
Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

Right: 483780.845+/-55.163 χ^2/NDF: 5576009.1/68

In: 293469.122+/-35.903 χ^2/NDF:9758641.0/54

Out: 292748.566+/-35.151 χ^2/NDF:11667716.2/61

All: 293101.218+/-25.117 χ^2/NDF: 2142656



Right In: 45.439+/-37.944 χ^2/NDF: 29.7/31

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -183.387+/-37.381 χ^2/NDF: 68.7/36

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

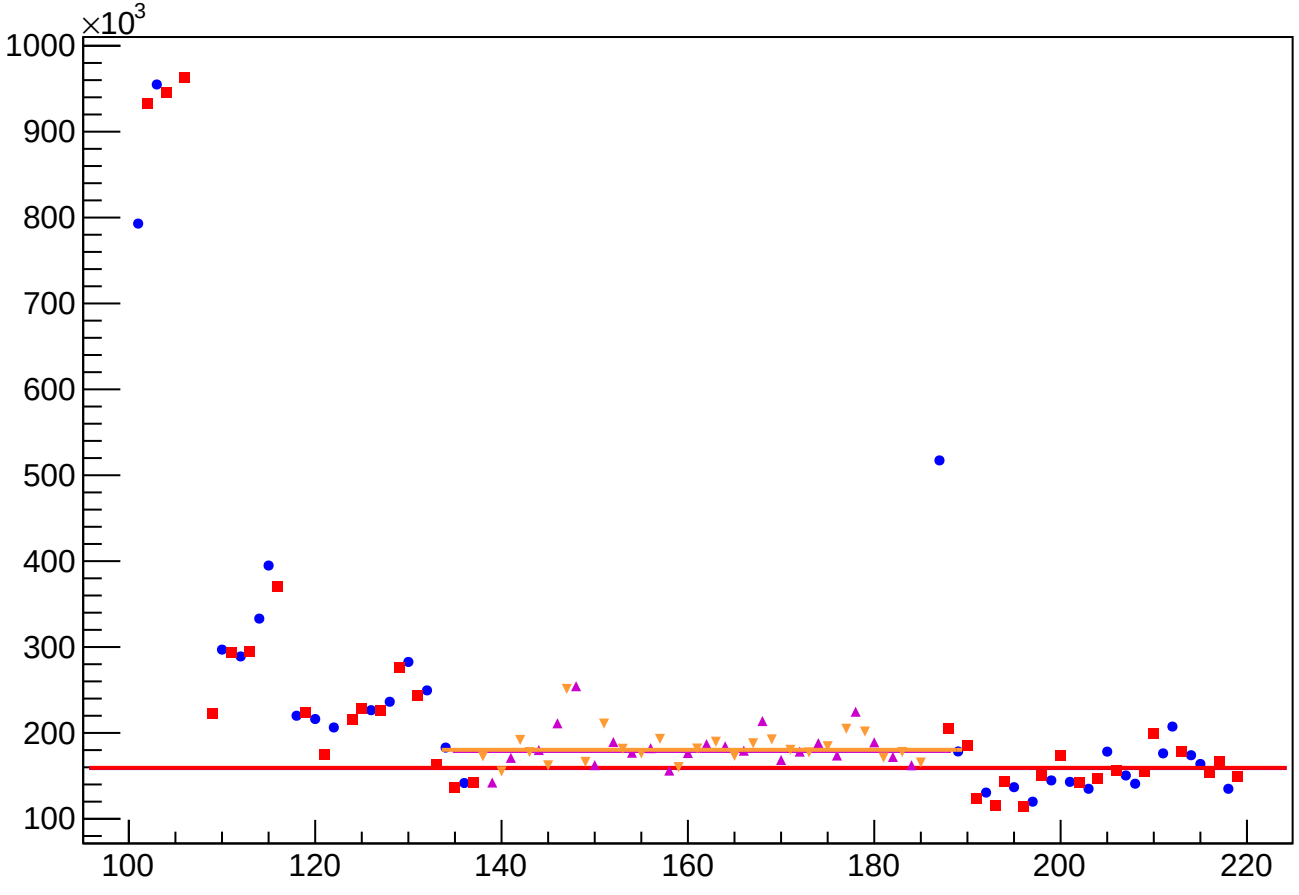
Right: -70.684+/-26.629 χ^2/NDF: 116.9/68

In: 18.876+/-28.225 χ^2/NDF:64.0/54

Out: -65.009+/-27.715 χ^2/NDF:110.7/61

All: -23.832+/-19.775 χ^2/NDF: 179.2/116

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 159102.043+/-26.839 χ^2/NDF: 3429998.1/30

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 159341.429+/-26.446 χ^2/NDF: 3373490.9/33

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

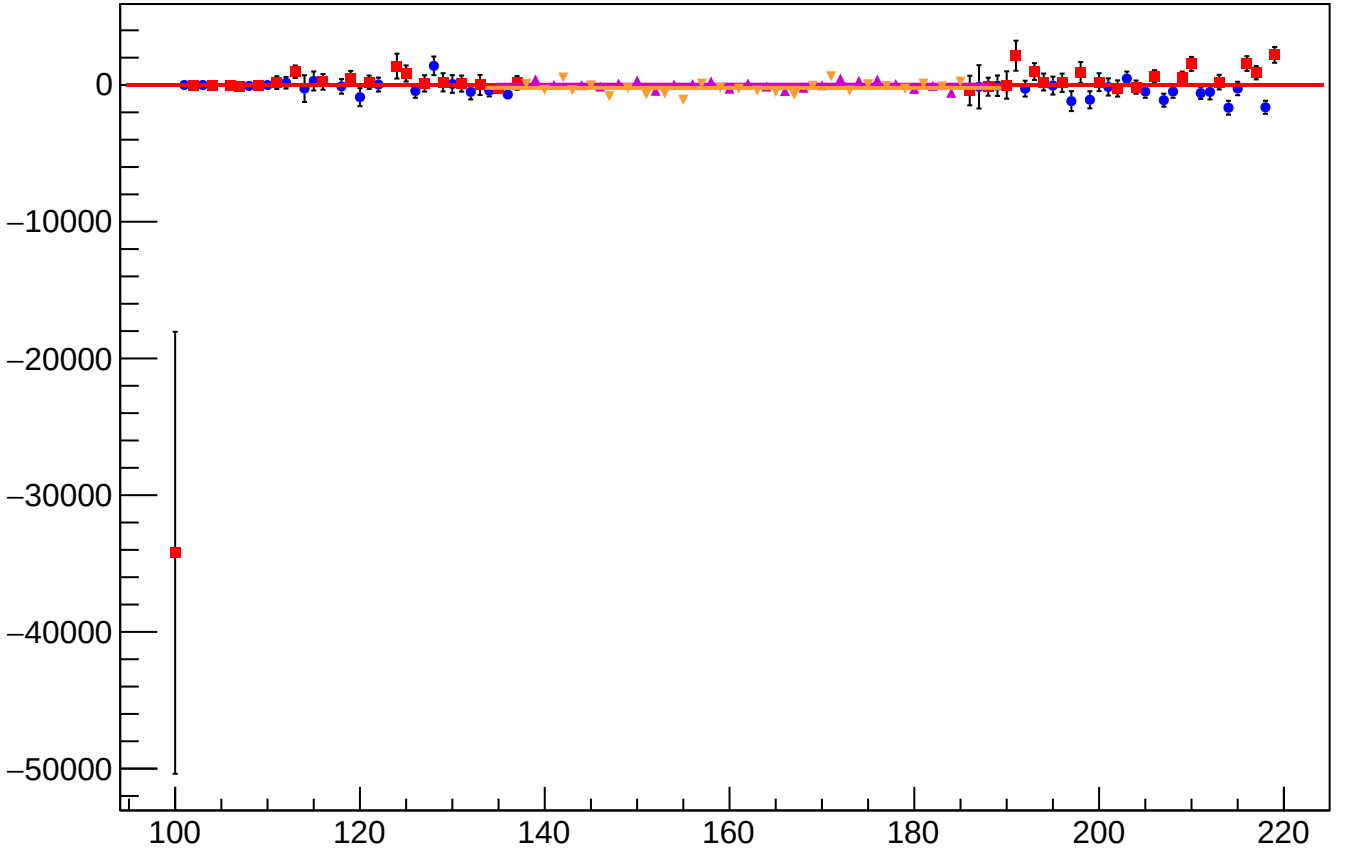
Right: 159223.503+/-18.837 χ^2/NDF: 6803529.5/64

In: 168003.545+/-19.962 χ^2/NDF:4177585.6/53

Out: 168803.744+/-19.603 χ^2/NDF:4004231.4/58

All: 168410.910+/-13.986 χ^2/NDF: 8182635.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.036+/-0.172 χ^2/NDF: 57.7/31

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: 0.356+/-0.160 χ^2/NDF: 64.4/36

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

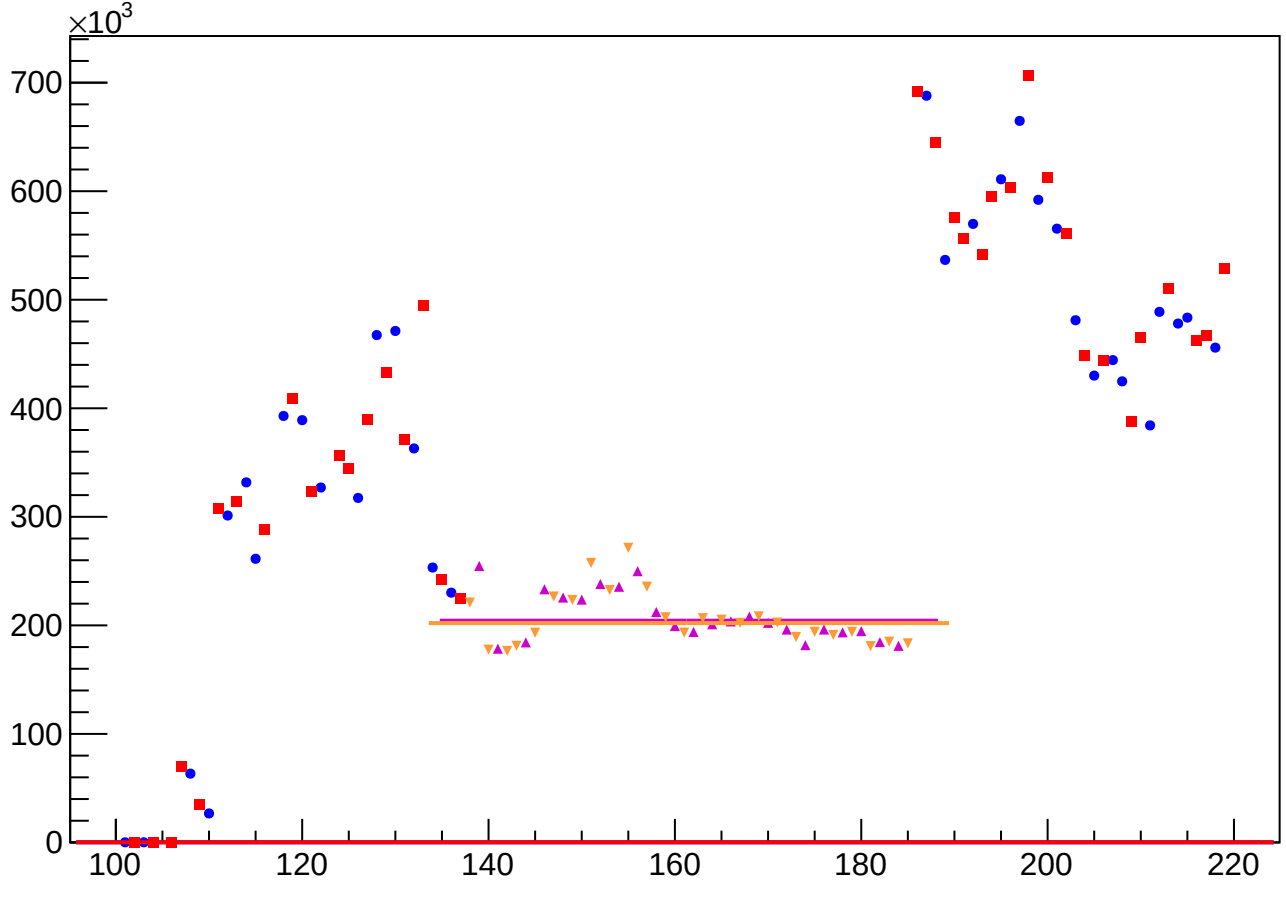
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 124.9/68

In: -0.036+/-0.172 χ^2/NDF:86.5/54

Out: 0.353+/-0.160 χ^2/NDF:146.3/61

All: 0.173+/-0.117 χ^2/NDF: 235.5/116



Right In: 149.860+/-0.122 χ^2/NDF: 37069837.3/31

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 150.062+/-0.113 χ^2/NDF: 39228221.9/35

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

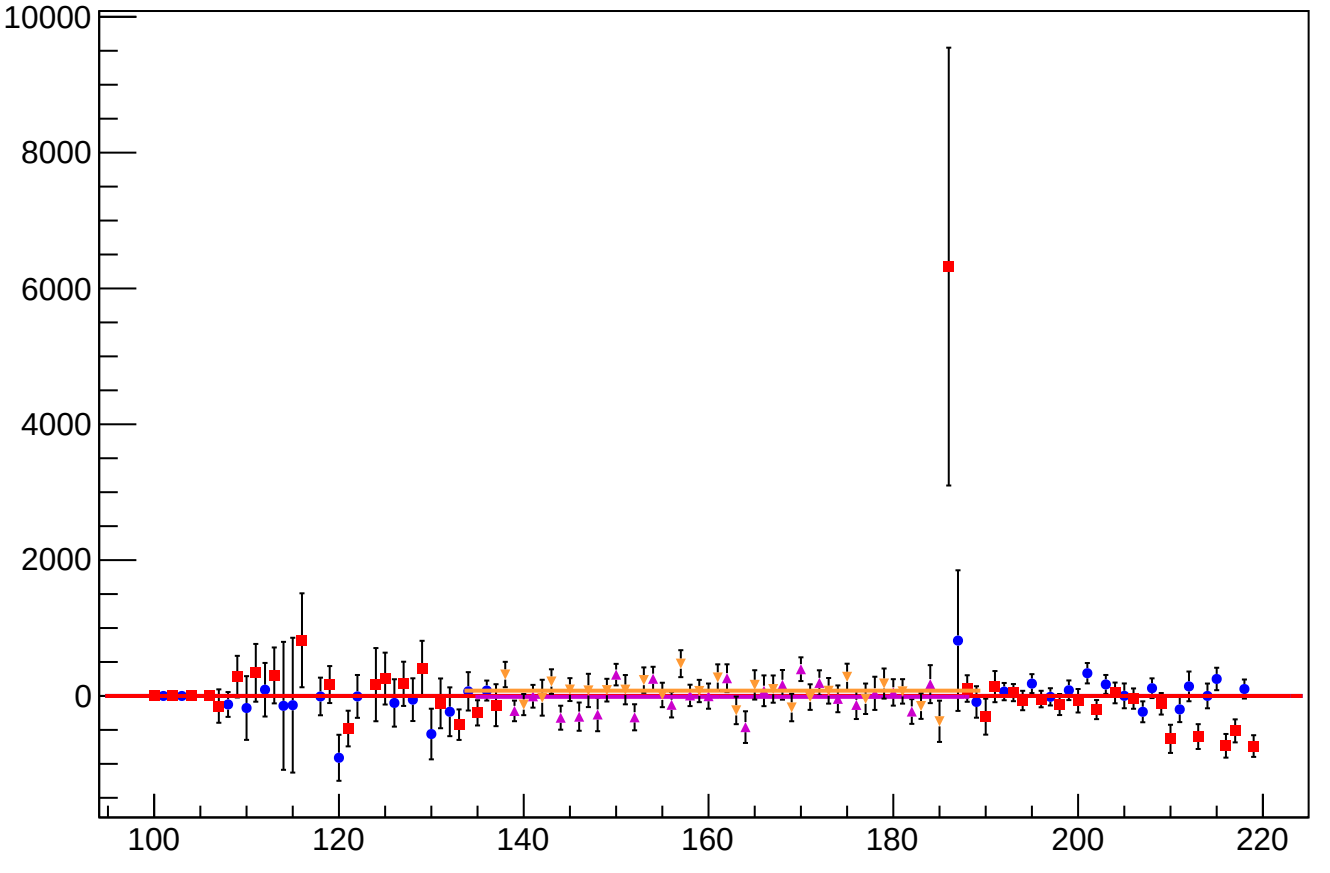
Right: 149.968+/-0.083 χ^2/NDF: 76298060.7/67

In: 152.485+/-0.122 χ^2/NDF:73572385.5/54

Out: 152.478+/-0.113 χ^2/NDF:77723801.7/60

All: 152.482+/-0.083 χ^2/NDF: 151296187.1/1

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.177 χ^2/NDF: 28.0/31

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.130+/-0.166 χ^2/NDF: 93.5/36

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

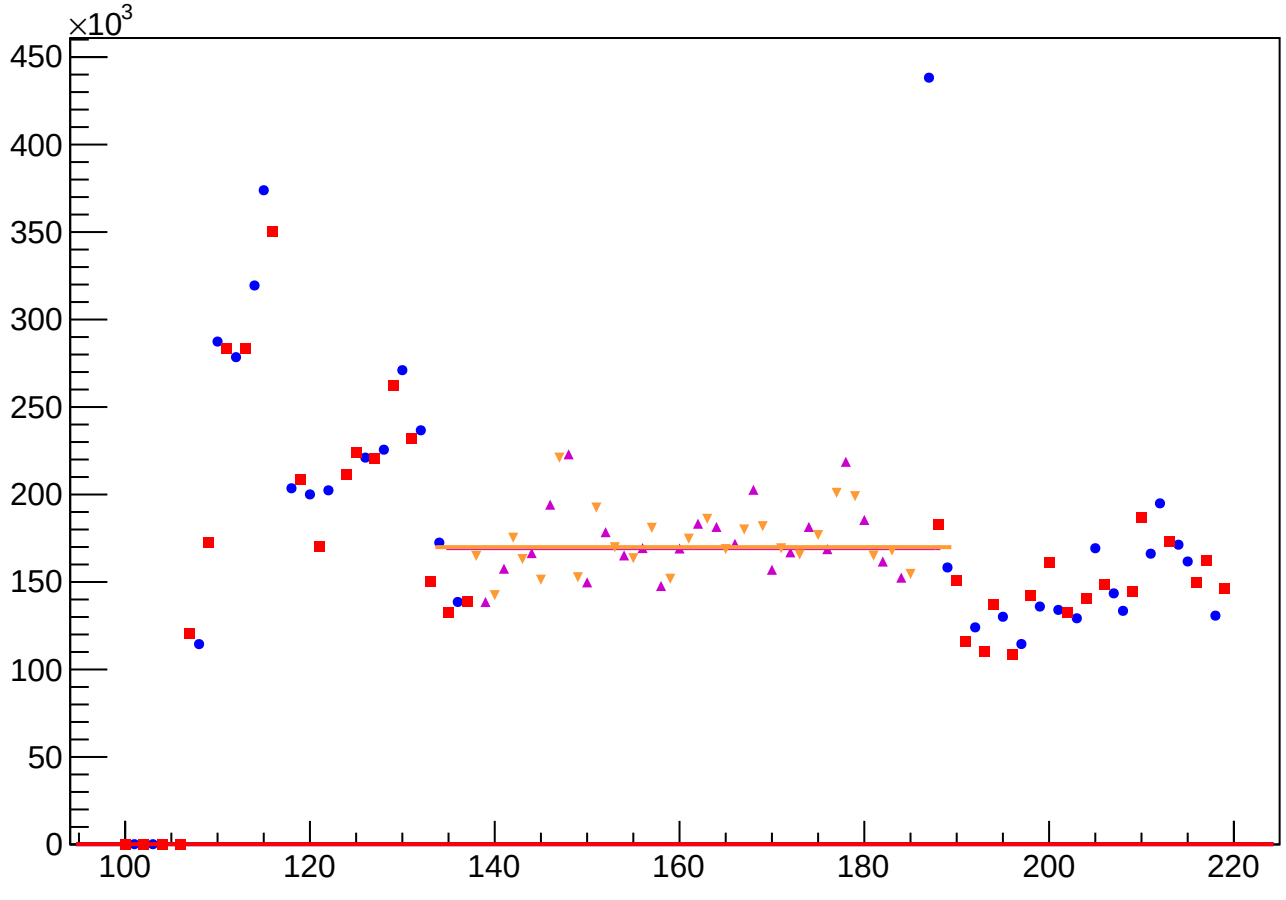
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.100+/-0.121 χ^2/NDF: 121.5/68

In: -0.067+/-0.177 χ^2/NDF:60.8/54

Out: -0.128+/-0.166 χ^2/NDF:116.6/61

All: -0.099+/-0.121 χ^2/NDF: 177.4/116



Right In: 156.218+/-0.125 χ^2/NDF: 37219930.9/31

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 158.716+/-0.118 χ^2/NDF: 38089555.8/35

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

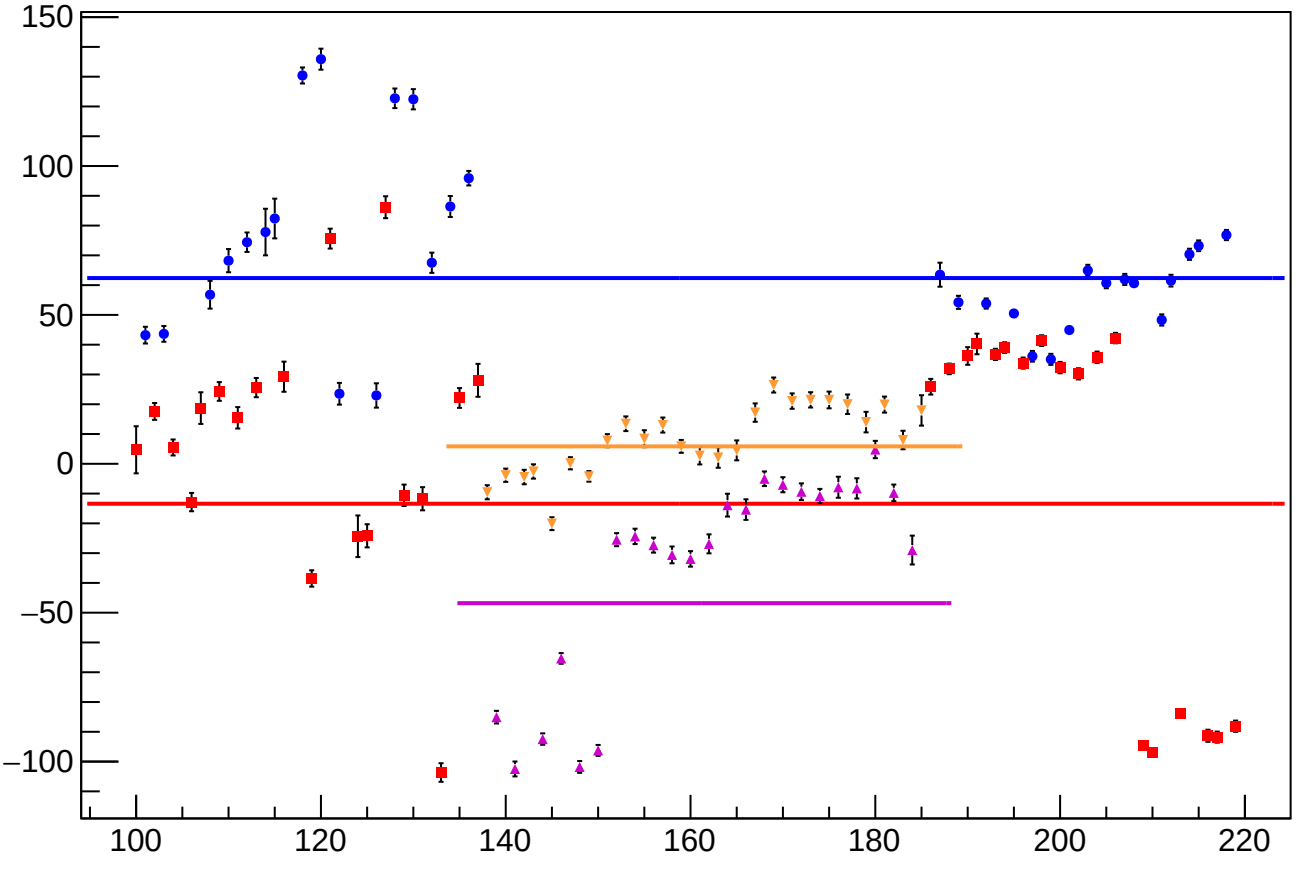
Right: 157.545+/-0.086 χ^2/NDF: 75309697.8/67

In: 159.551+/-0.125 χ^2/NDF:73604836.2/54

Out: 161.822+/-0.118 χ^2/NDF:76499421.2/60

All: 160.758+/-0.086 χ^2/NDF: 150104431.9/1

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 62.374+/-0.405 χ^2/NDF: 3106.0/31

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -13.409+/-0.386 χ^2/NDF: 24145.7/36

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

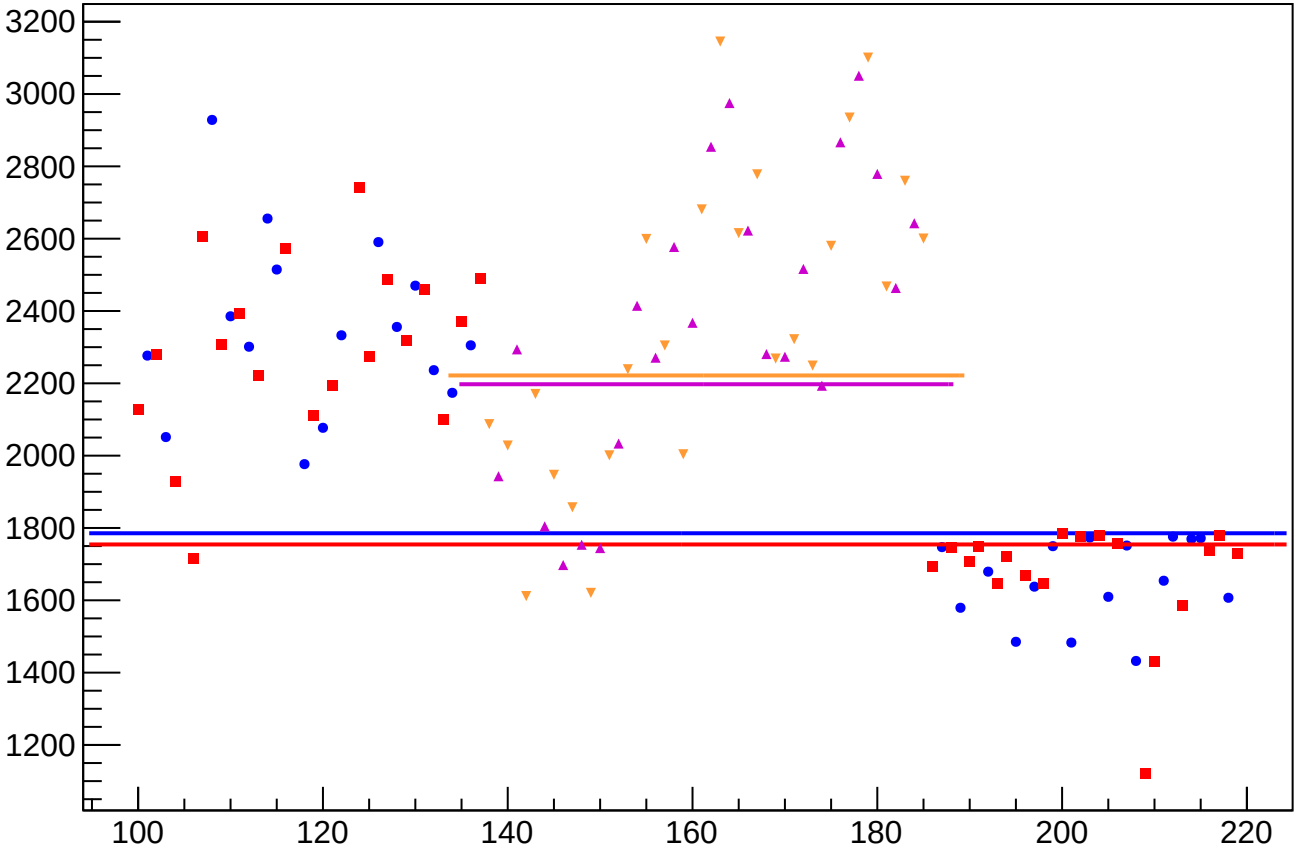
Right: 22.647+/-0.280 χ^2/NDF: 45584.8/68

In: 21.564+/-0.321 χ^2/NDF:35411.0/54

Out: -6.462+/-0.309 χ^2/NDF:25578.7/61

All: 7.017+/-0.222 χ^2/NDF: 64954.4/116

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1785.406+/-0.287 χ^2/NDF: 1110079.3/31

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1754.433+/-0.273 χ^2/NDF: 1478198.0/36

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

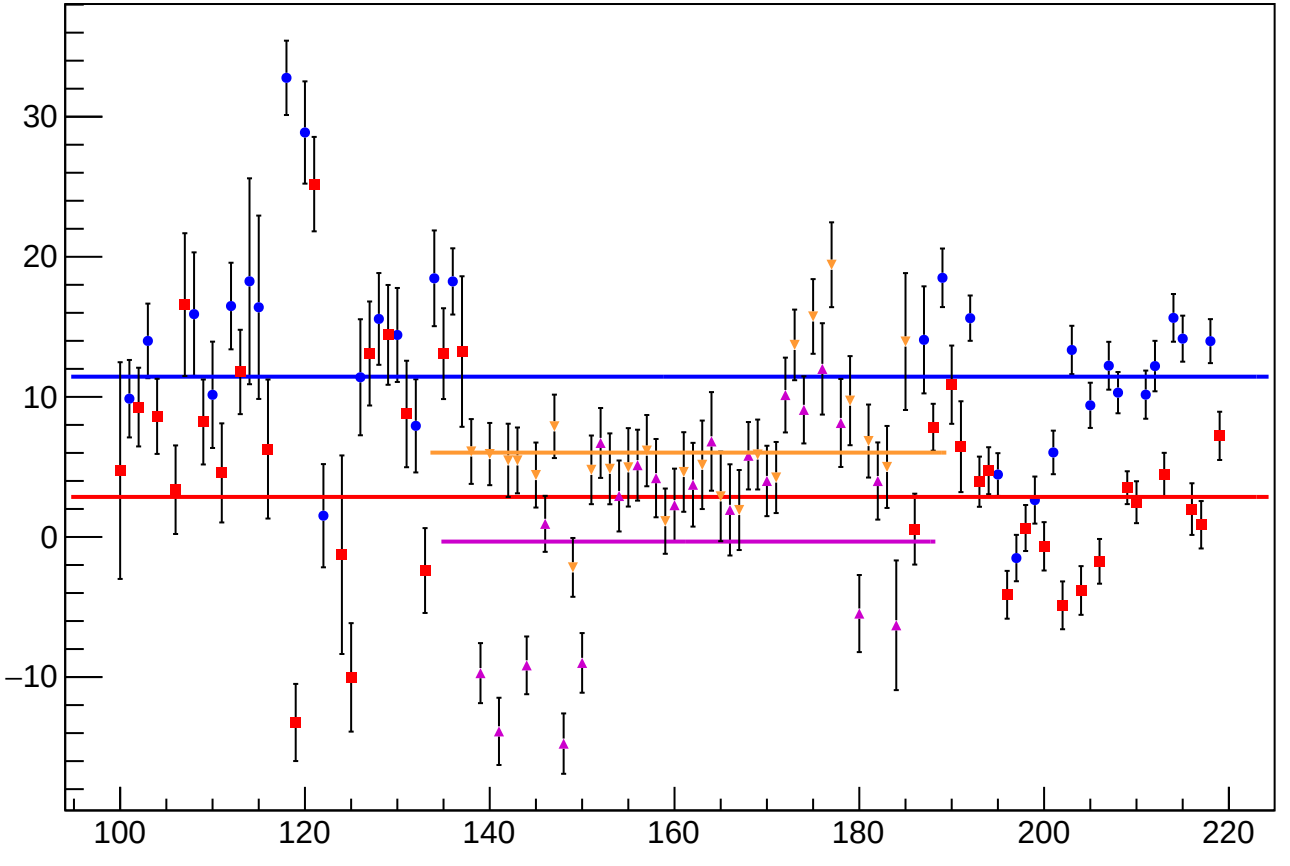
Right: 1769.169+/-0.198 χ^2/NDF: 2594401.8/68

In: 1939.445+/-0.227 χ^2/NDF:2987776.0/54

Out: 1922.998+/-0.218 χ^2/NDF:3719317.5/61

All: 1930.908+/-0.157 χ^2/NDF: 6709824.2/11

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 11.443+/-0.379 χ^2/NDF: 273.2/31

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 2.859+/-0.362 χ^2/NDF: 253.0/36

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

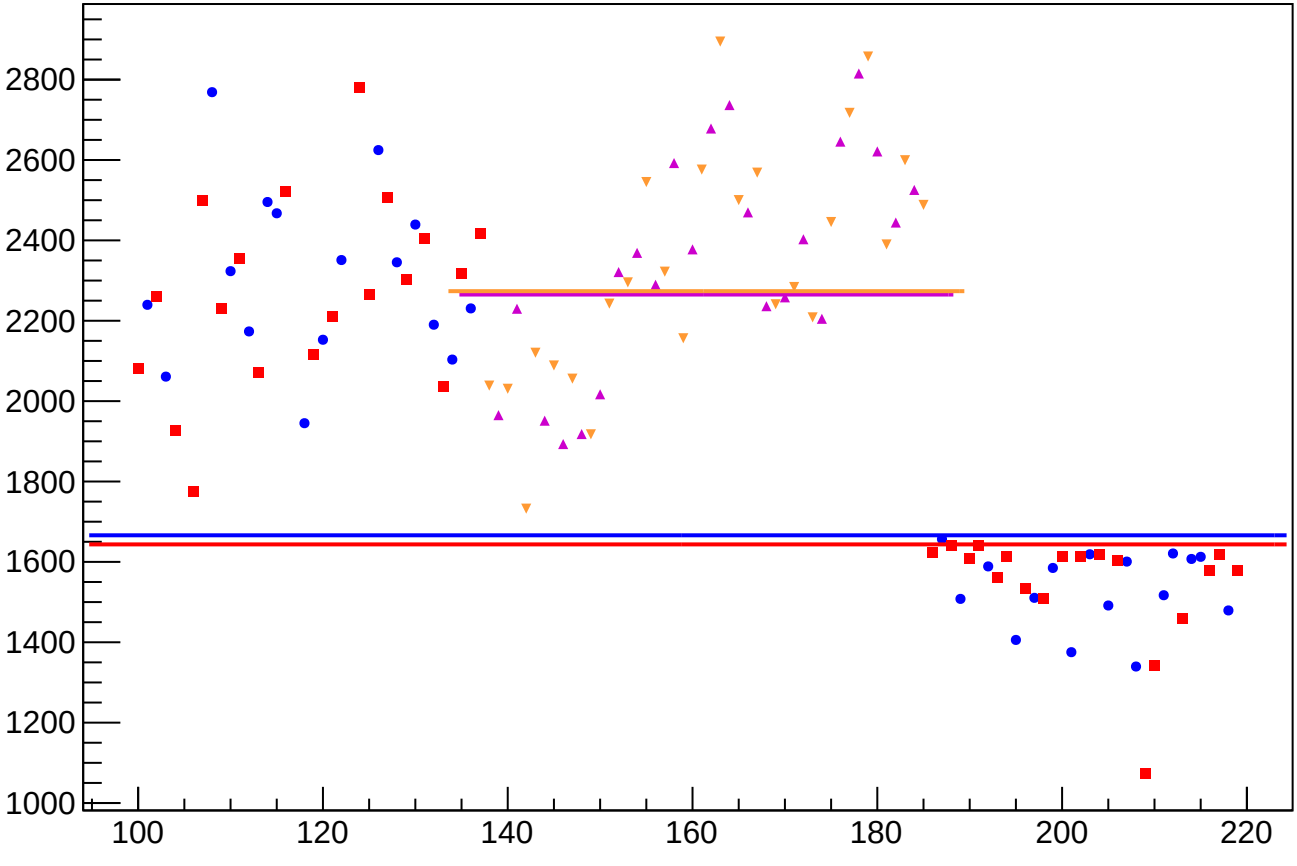
Right: 6.957+/-0.262 χ^2/NDF: 794.2/68

In: 7.504+/-0.309 χ^2/NDF:820.7/54

Out: 3.891+/-0.297 χ^2/NDF:349.7/61

All: 5.627+/-0.214 χ^2/NDF: 1241.3/116

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 1666.183+/-0.268 χ^2/NDF: 1389000.9/31

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1643.534+/-0.256 χ^2/NDF: 1698781.1/36

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

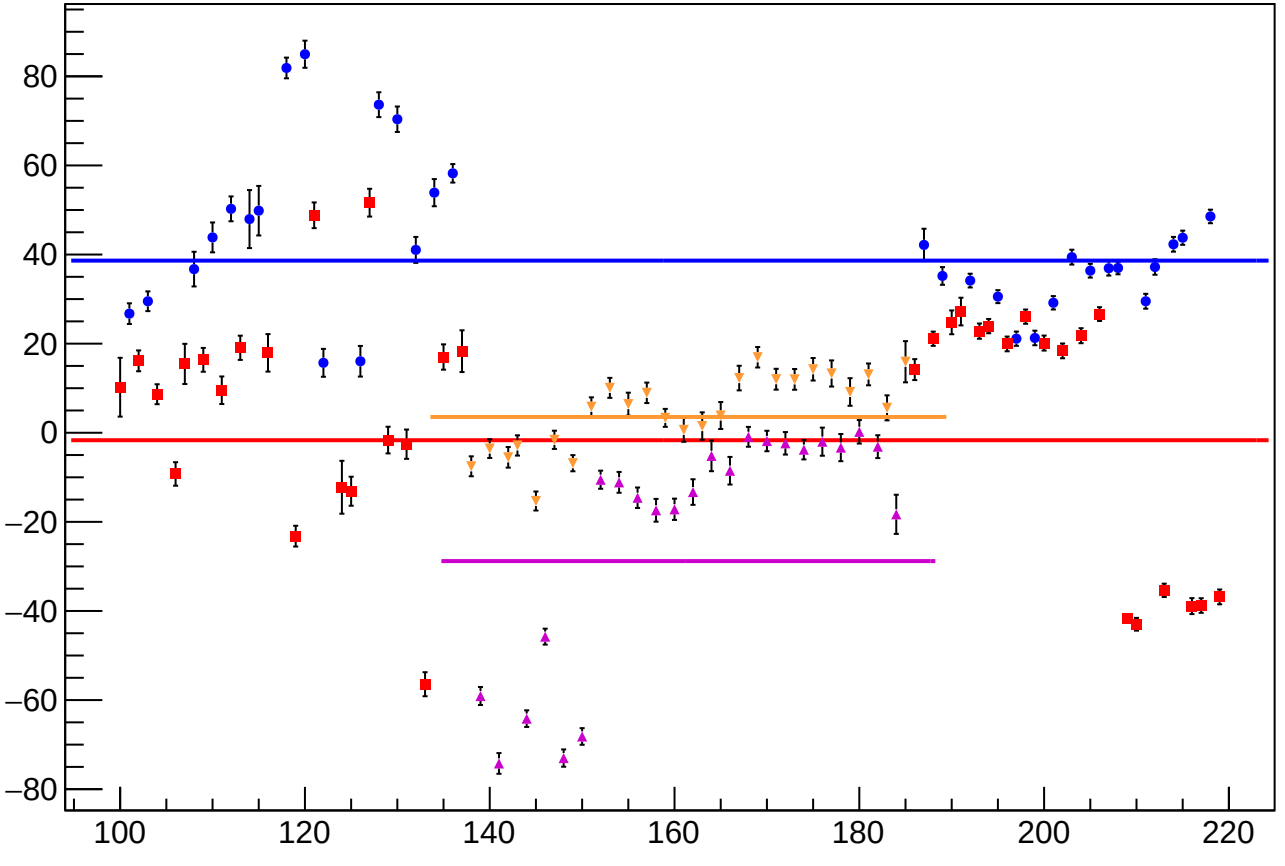
Right: 1654.348+/-0.185 χ^2/NDF: 3091513.1/68

In: 1866.632+/-0.219 χ^2/NDF:3556123.7/54

Out: 1849.035+/-0.210 χ^2/NDF:4208039.6/61

All: 1857.492+/-0.152 χ^2/NDF: 7767527.4/11

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 38.638+/-0.357 χ^2/NDF: 1547.9/31

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -1.675+/-0.340 χ^2/NDF: 7635.8/36

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

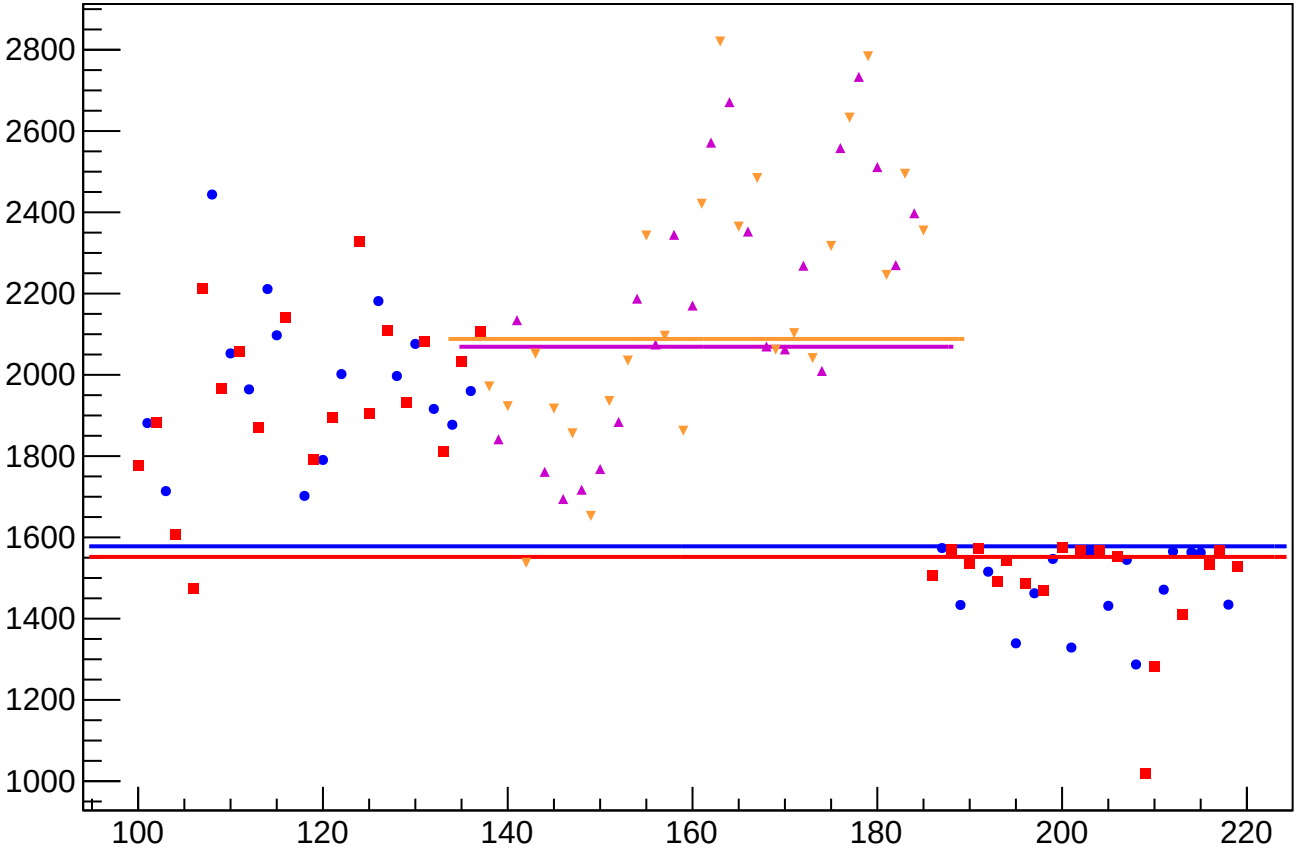
Right: 17.523+/-0.246 χ^2/NDF: 15874.7/68

In: 15.333+/-0.289 χ^2/NDF:17165.0/54

Out: 0.068+/-0.278 χ^2/NDF:8034.3/61

All: 7.404+/-0.200 χ^2/NDF: 26653.1/116

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1577.989+/-0.252 χ^2/NDF: 851898.5/31

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1551.893+/-0.240 χ^2/NDF: 1176827.7/36

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

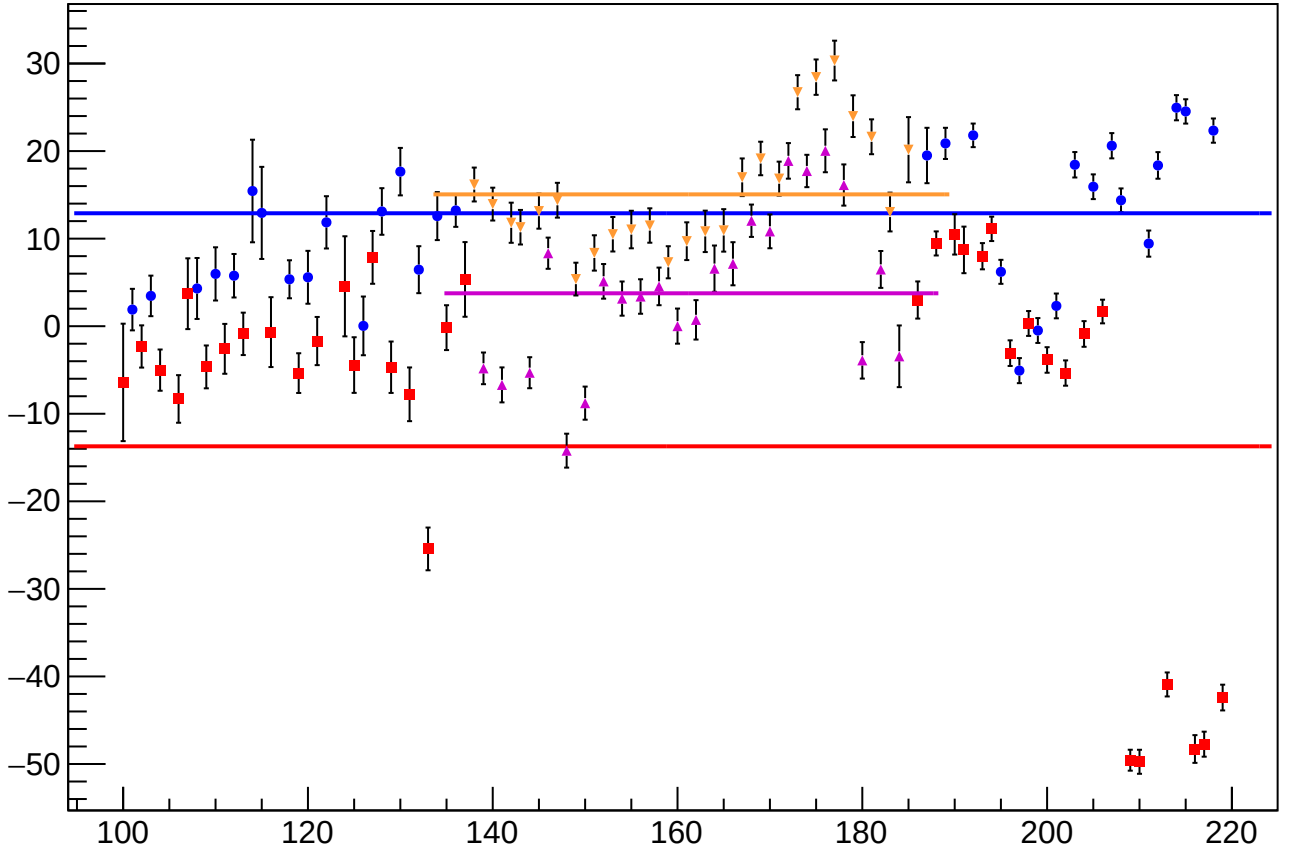
Right: 1564.320+/-0.174 χ^2/NDF: 2034333.8/68

In: 1747.700+/-0.204 χ^2/NDF:2873727.0/54

Out: 1731.062+/-0.196 χ^2/NDF:3626178.3/61

All: 1739.058+/-0.141 χ^2/NDF: 6503358.9/11

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 12.898+/-0.324 χ^2/NDF: 747.8/31

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -13.718+/-0.311 χ^2/NDF: 5213.1/36

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

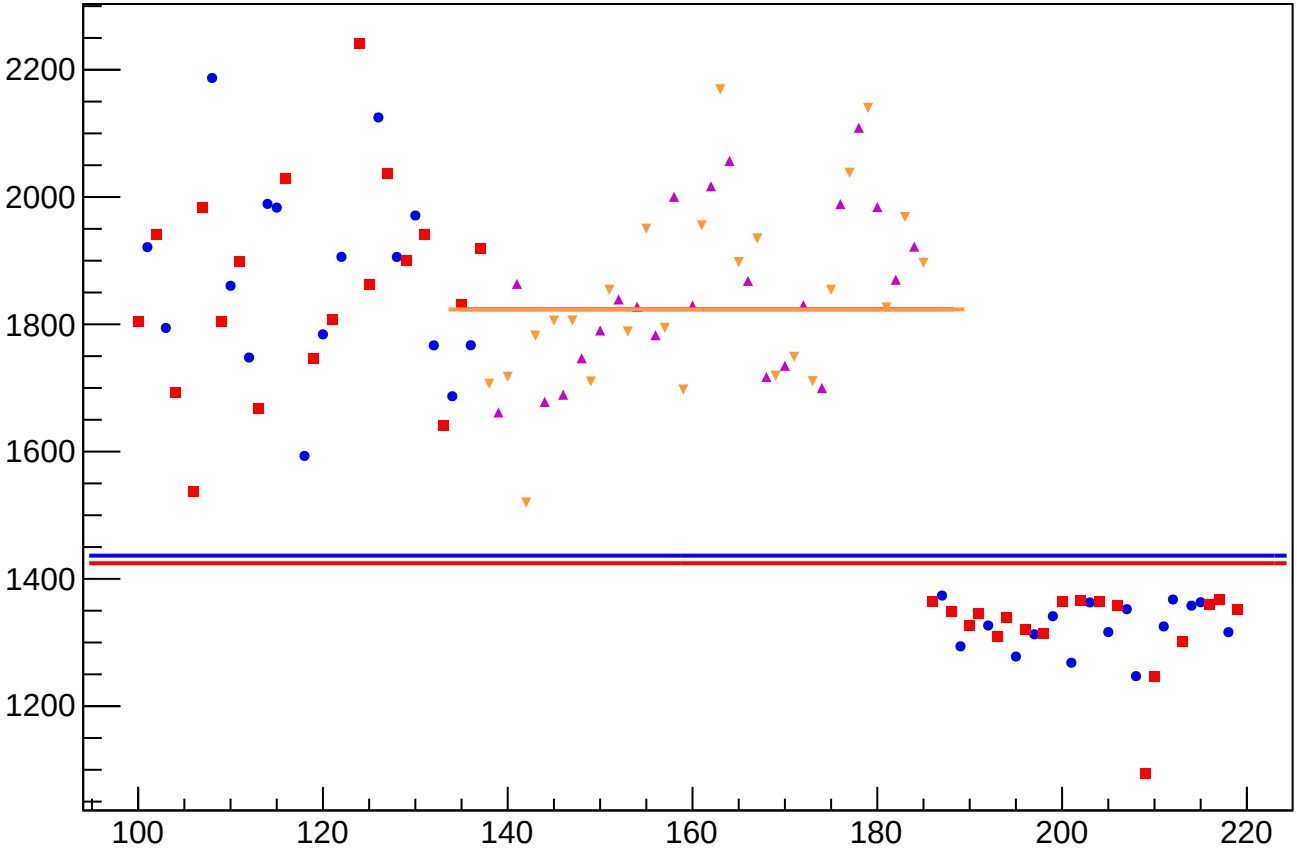
Right: -0.953+/-0.224 χ^2/NDF: 9474.0/68

In: 9.567+/-0.258 χ^2/NDF:1496.9/54

Out: -3.393+/-0.249 χ^2/NDF:8531.5/61

All: 2.851+/-0.179 χ^2/NDF: 11333.4/116

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1436.508+/-0.229 χ^2/NDF: 967472.5/31

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1424.610+/-0.220 χ^2/NDF: 1061489.4/36

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

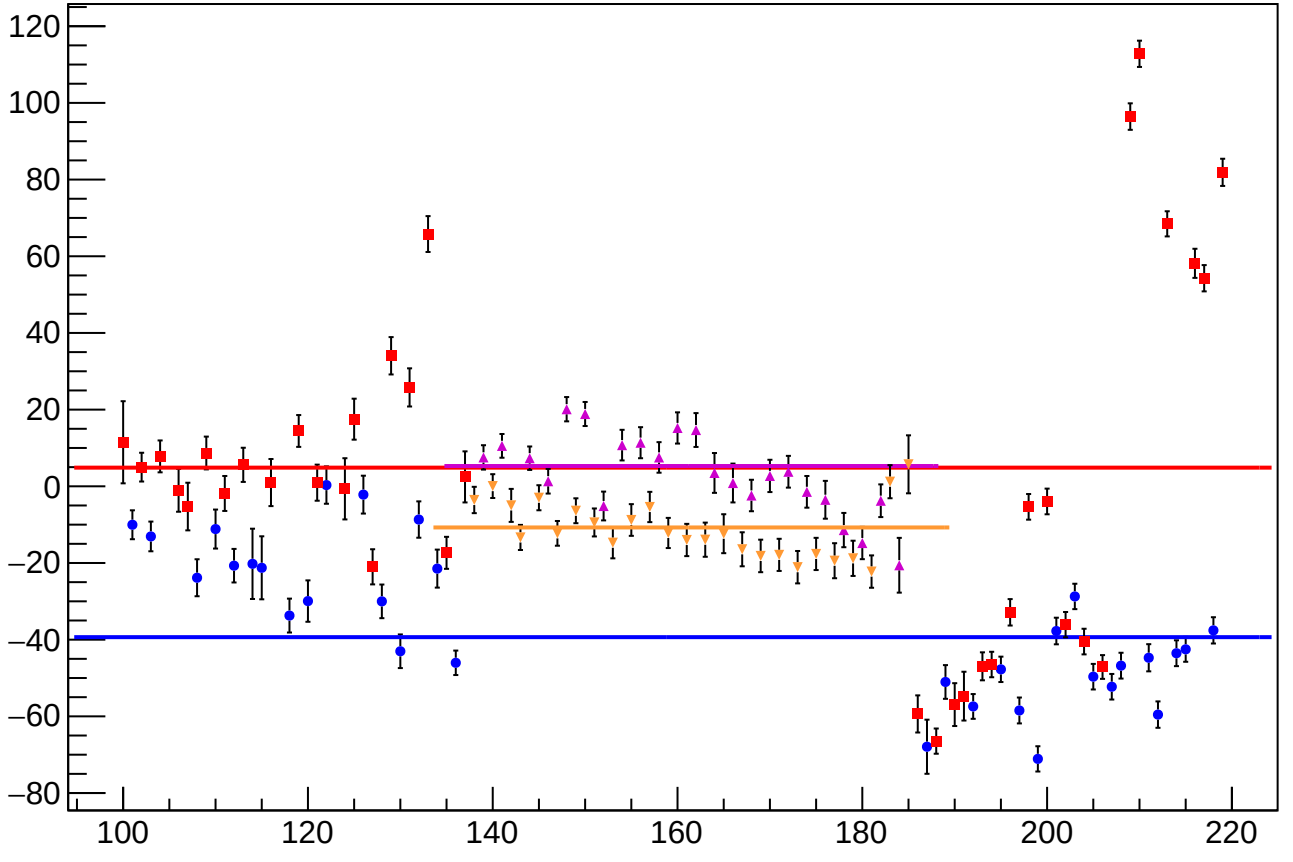
Right: 1430.316+/-0.159 χ^2/NDF: 2030365.8/68

In: 1577.579+/-0.183 χ^2/NDF:2172051.5/54

Out: 1567.734+/-0.176 χ^2/NDF:2453240.1/61

All: 1572.477+/-0.127 χ^2/NDF: 4626798.0/11

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -39.343+/-0.696 χ^2/NDF: 632.4/31

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: 4.868+/-0.676 χ^2/NDF: 5304.0/36

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

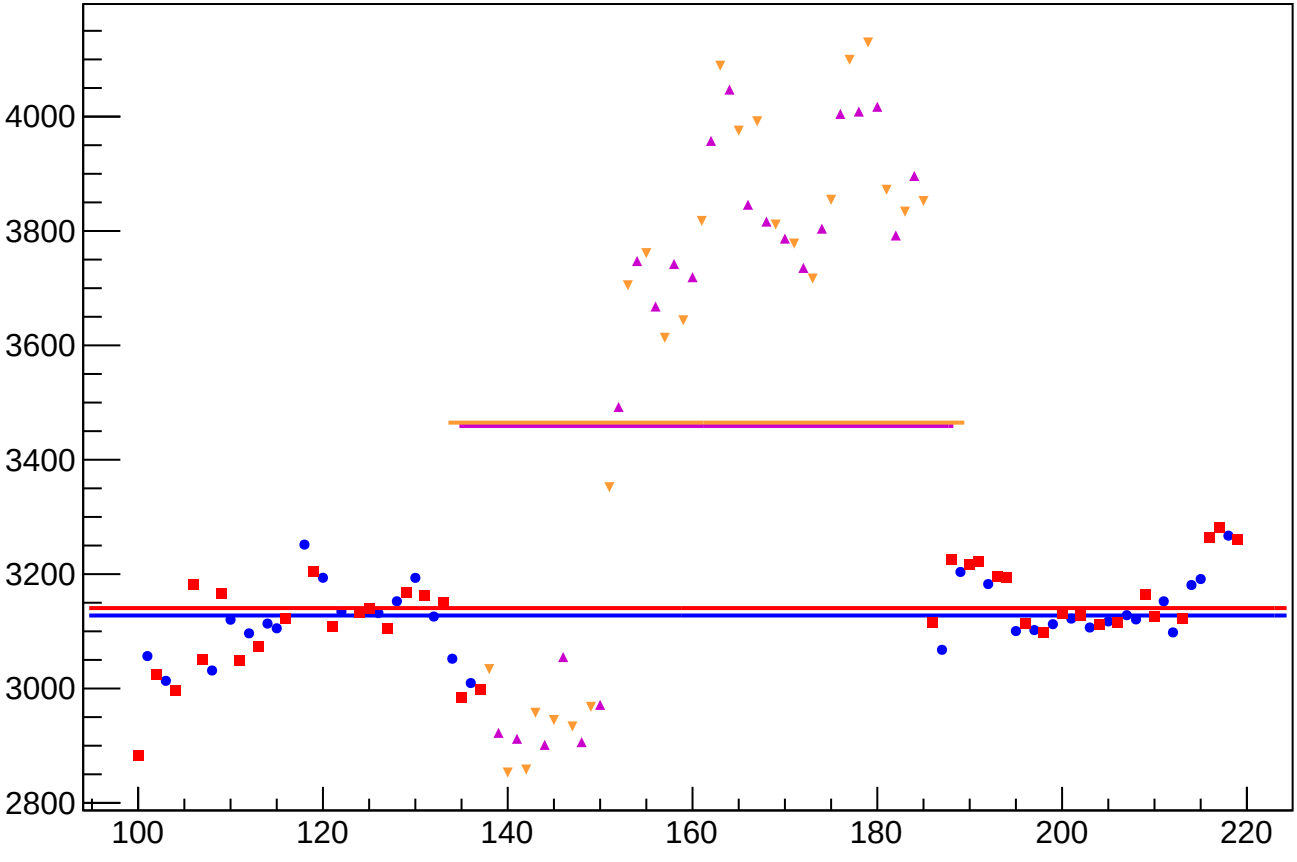
Right: -16.614+/-0.485 χ^2/NDF: 8012.9/68

In: -20.512+/-0.529 χ^2/NDF:2502.8/54

Out: -1.693+/-0.515 χ^2/NDF:5601.6/61

All: -10.848+/-0.369 χ^2/NDF: 8754.5/116

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3127.659+/-0.492 χ^2/NDF: 15533.6/31

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3140.627+/-0.478 χ^2/NDF: 23726.9/36

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

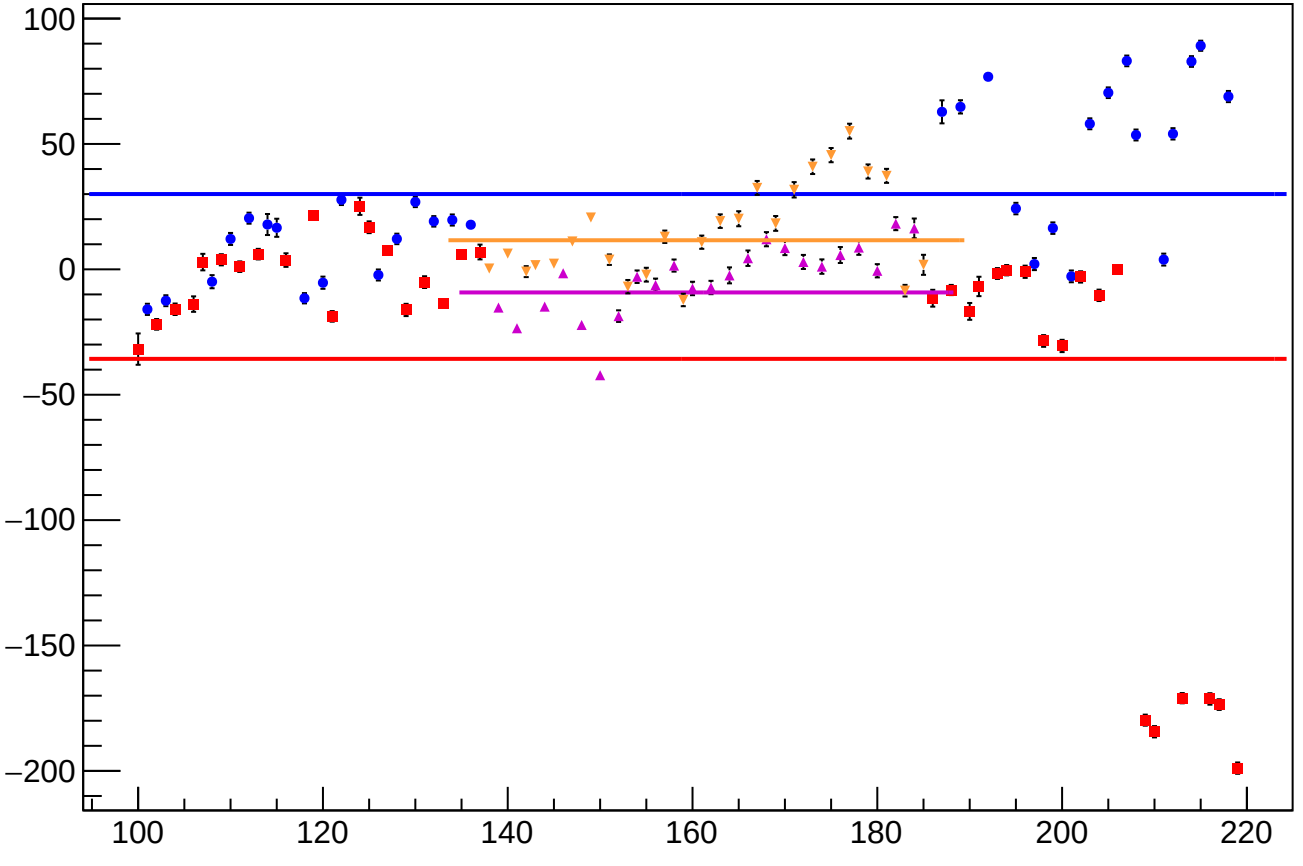
Right: 3134.326+/-0.343 χ^2/NDF: 39617.9/68

In: 3267.474+/-0.374 χ^2/NDF:790327.4/54

Out: 3277.007+/-0.364 χ^2/NDF:861141.1/61

All: 3272.370+/-0.261 χ^2/NDF: 1651802.1/11

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 30.022+/-0.392 χ^2/NDF: 6570.2/31

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: -35.697+/-0.382 χ^2/NDF: 32606.1/36

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

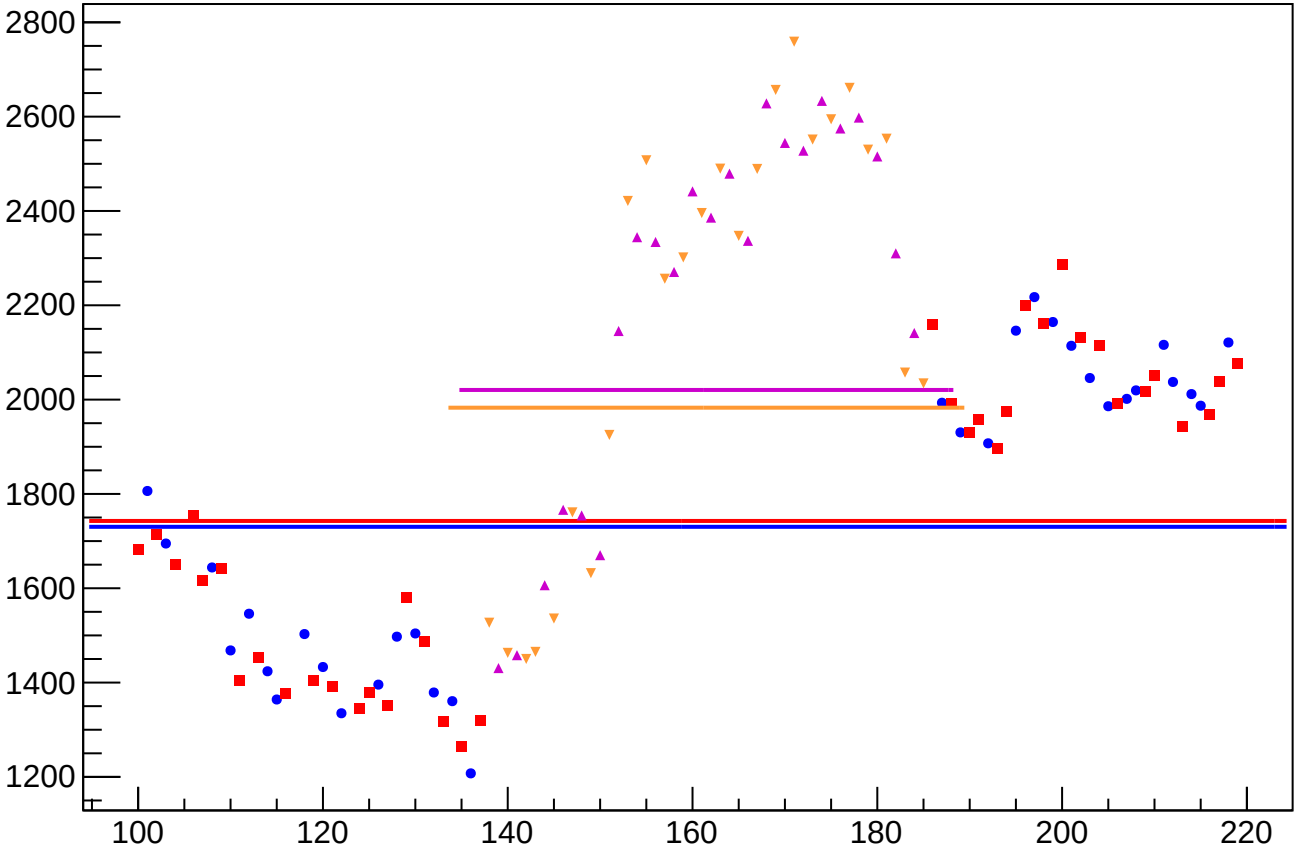
Right: -3.707+/-0.274 χ^2/NDF: 53578.4/68

In: 14.458+/-0.305 χ^2/NDF:11478.5/54

Out: -16.558+/-0.295 χ^2/NDF:40004.1/61

All: -1.564+/-0.212 χ^2/NDF: 56834.0/116

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1730.290+/-0.277 χ^2/NDF: 1401254.0/31

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1742.706+/-0.270 χ^2/NDF: 1401160.8/36

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

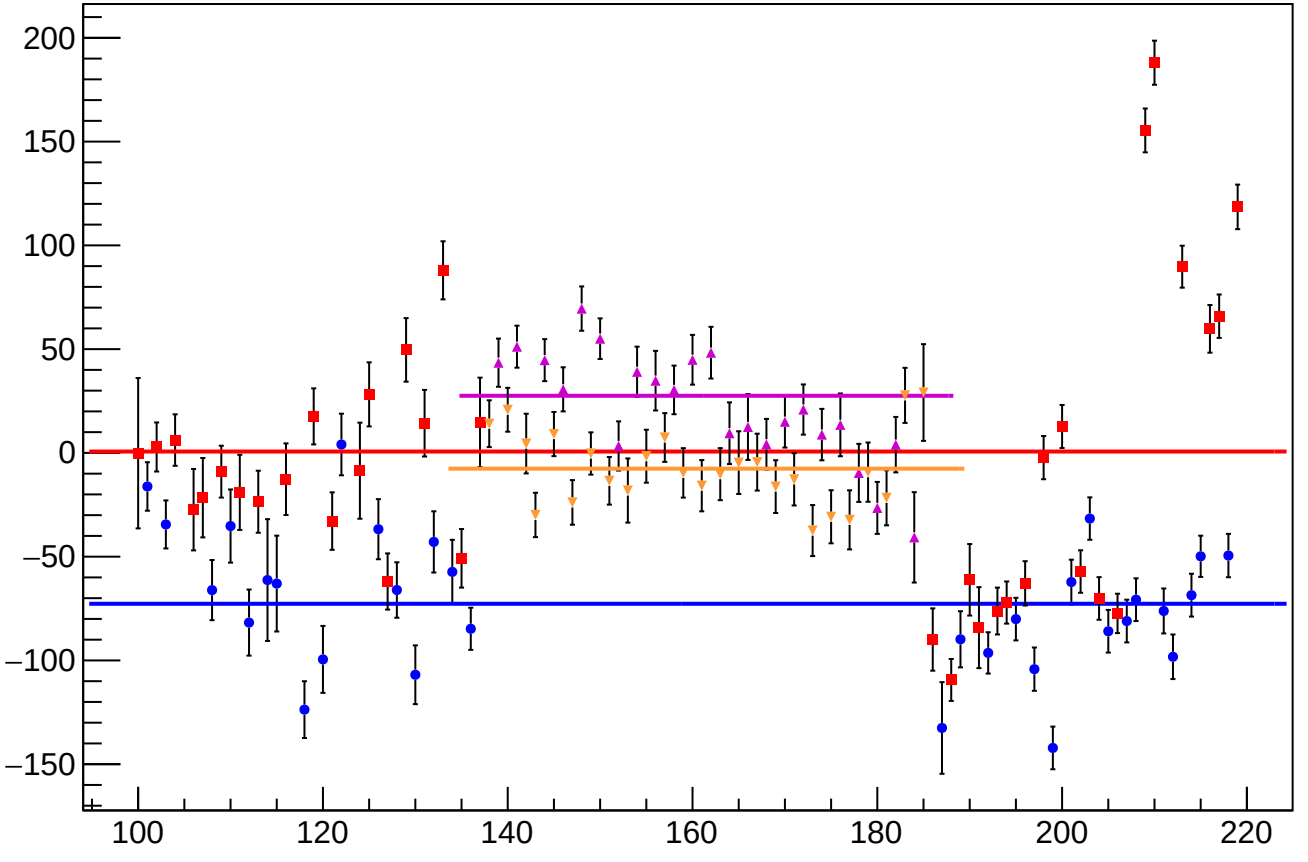
Right: 1736.662+/-0.194 χ^2/NDF: 2803443.0/68

In: 1845.401+/-0.215 χ^2/NDF:3450004.4/54

Out: 1839.891+/-0.208 χ^2/NDF:3698624.6/61

All: 1842.555+/-0.150 χ^2/NDF: 7148966.8/11

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -72.698+/-2.154 χ^2/NDF: 207.3/31

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 0.660+/-2.095 χ^2/NDF: 1362.3/36

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

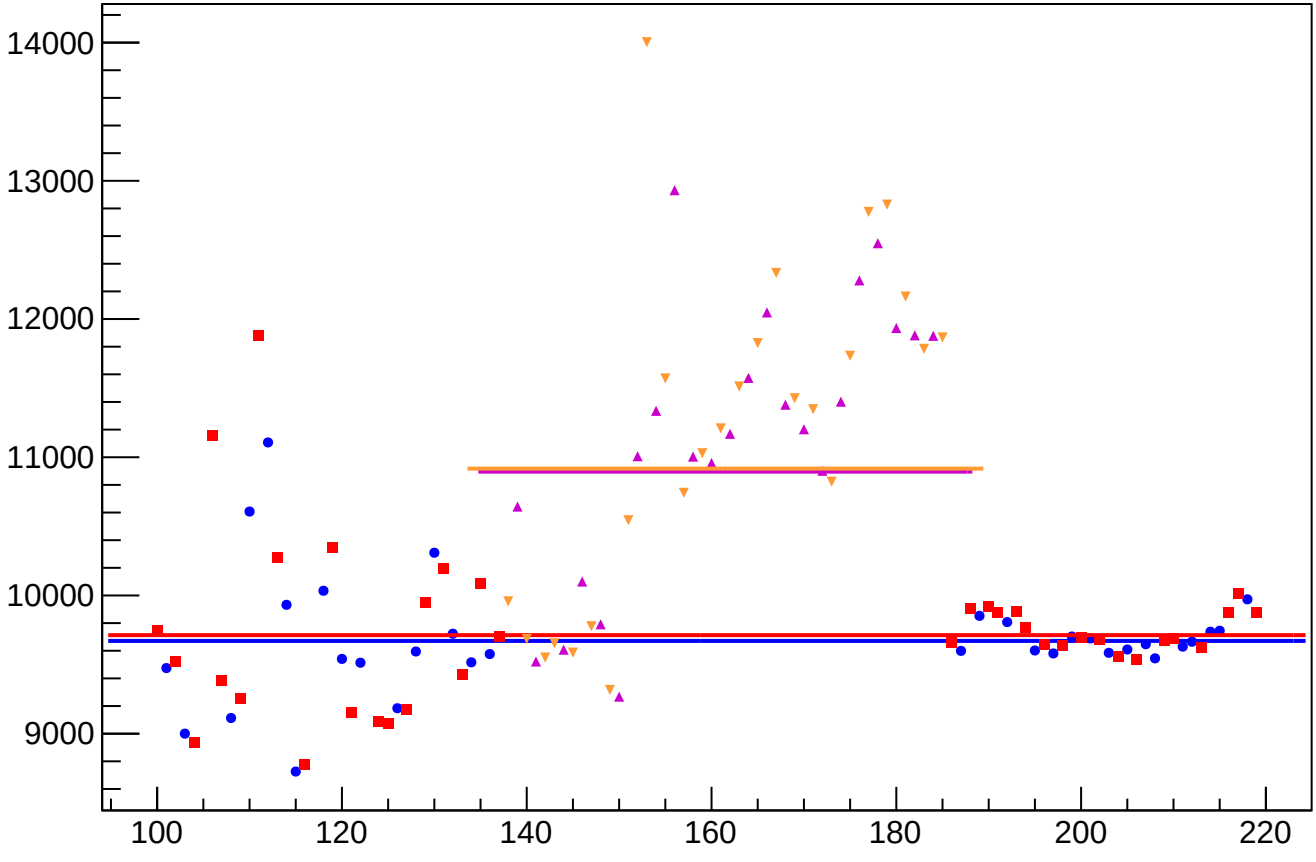
Right: -34.995+/-1.502 χ^2/NDF: 2165.7/68

In: -31.086+/-1.647 χ^2/NDF:1199.2/54

Out: -2.753+/-1.604 χ^2/NDF:1416.6/61

All: -16.545+/-1.149 χ^2/NDF: 2767.7/116

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9671.213+/-1.523 χ^2/NDF: 47640.7/31

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9712.849+/-1.481 χ^2/NDF: 85933.7/36

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

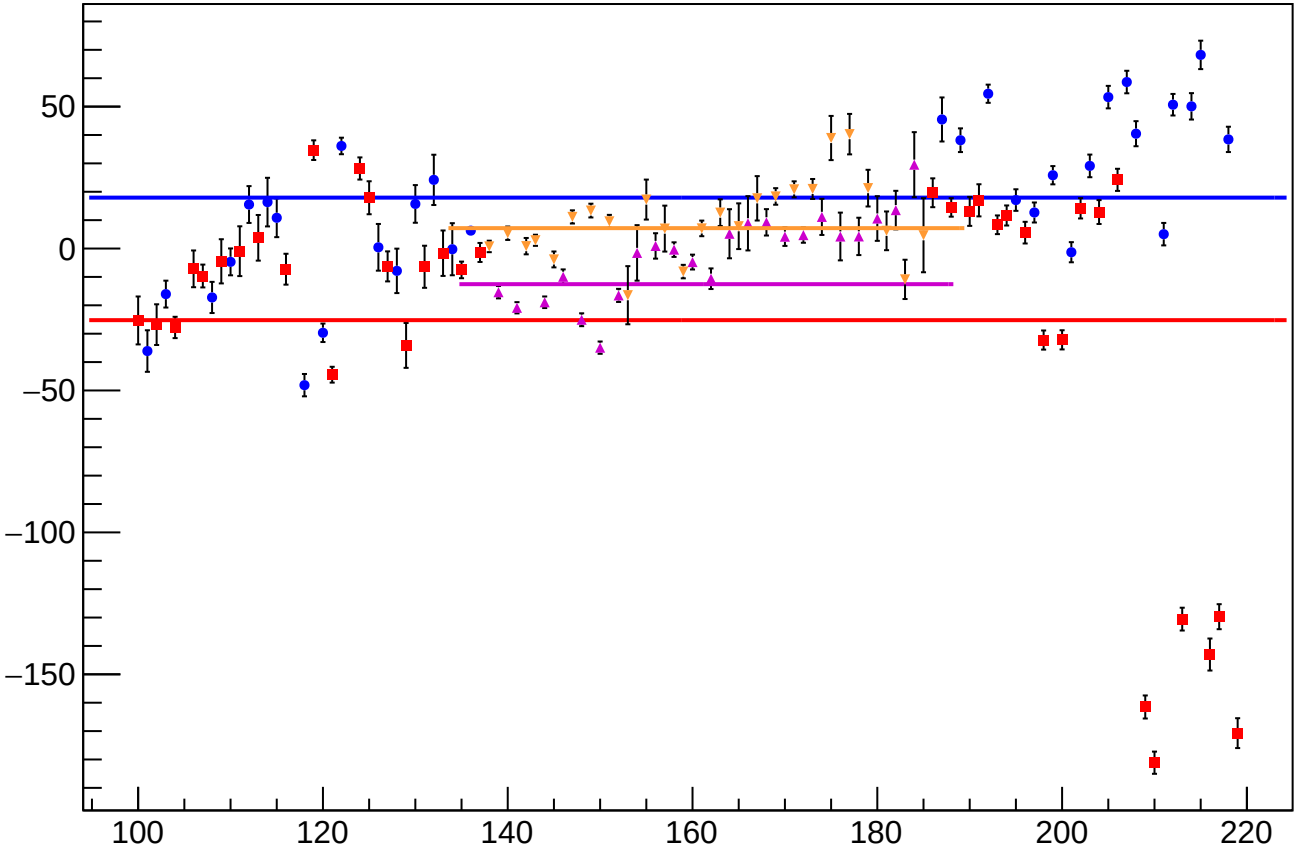
Right: 9692.612+/-1.062 χ^2/NDF: 133958.5/68

In: 10179.724+/-1.165 χ^2/NDF:614160.0/54

Out: 10210.991+/-1.134 χ^2/NDF:785338.7/61

All: 10195.771+/-0.813 χ^2/NDF: 1399868.5/1

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 17.937+/-0.721 χ^2/NDF: 1452.8/31

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -25.232+/-0.708 χ^2/NDF: 6923.1/36

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

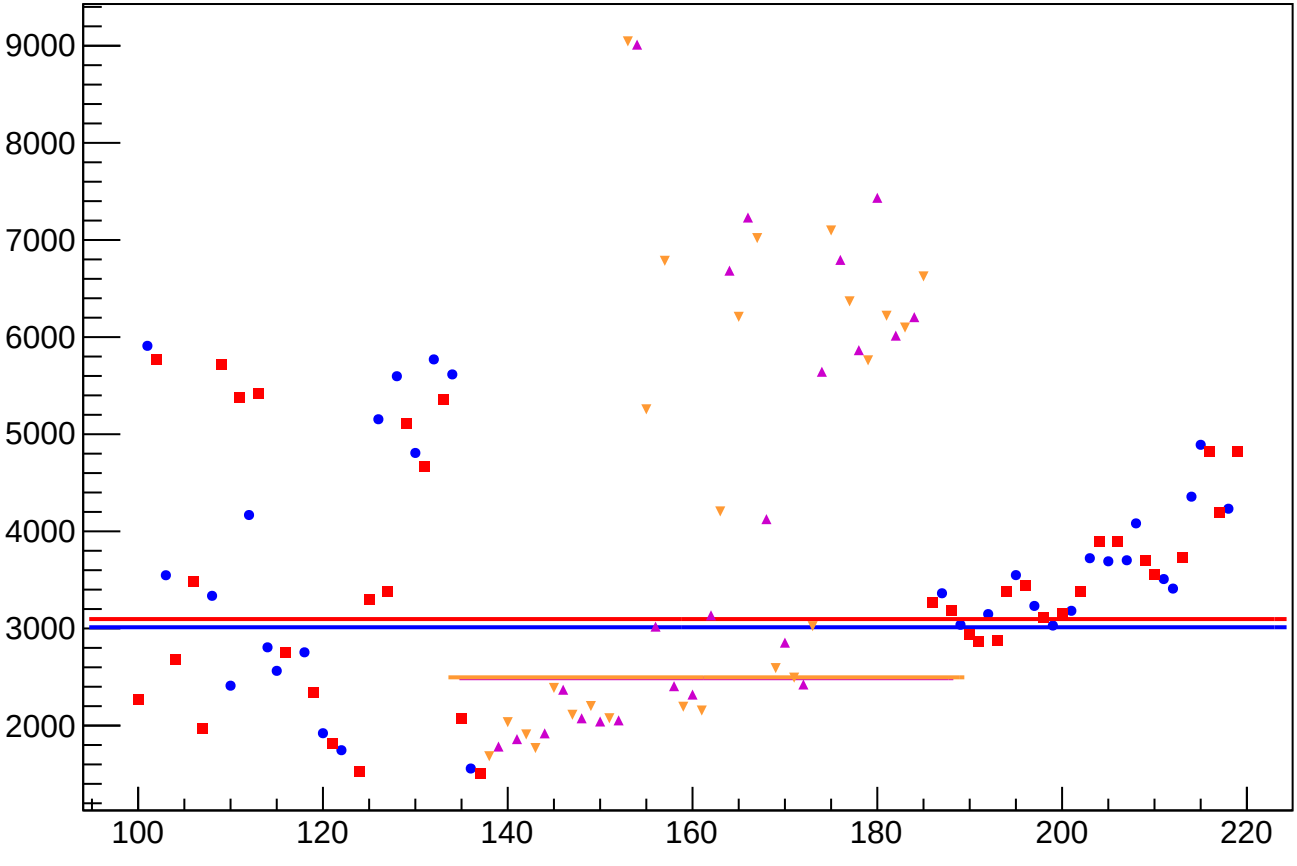
Right: -4.036+/-0.505 χ^2/NDF: 10200.5/68

In: 1.360+/-0.487 χ^2/NDF:2797.1/54

Out: -7.728+/-0.480 χ^2/NDF:8256.3/61

All: -3.247+/-0.342 χ^2/NDF: 11229.9/116

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 3012.437+/-0.510 χ^2/NDF: 4451807.9/31

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 3096.775+/-0.501 χ^2/NDF: 3809623.0/36

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

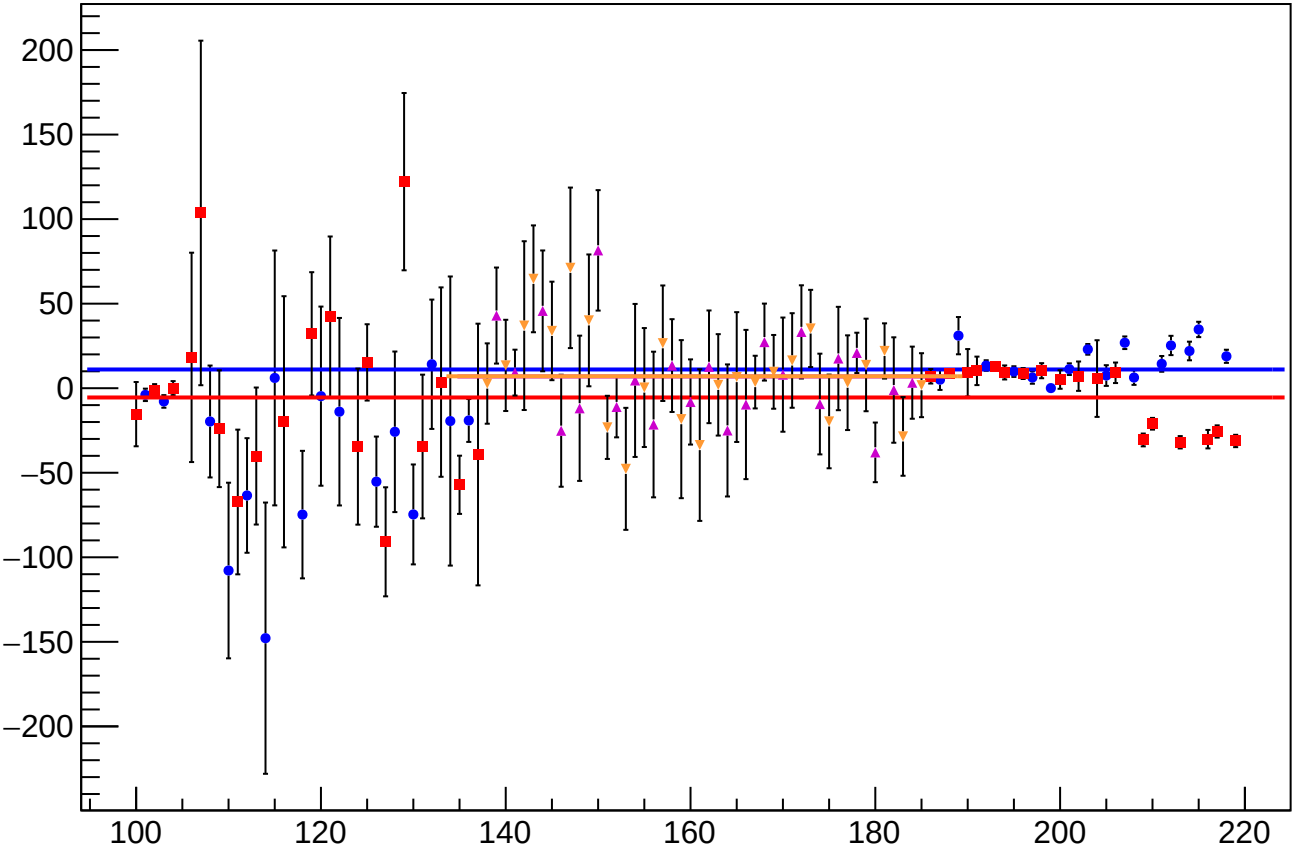
Right: 3055.366+/-0.357 χ^2/NDF: 8275359.3/68

In: 2727.147+/-0.344 χ^2/NDF:11131167.5/54

Out: 2772.805+/-0.340 χ^2/NDF:11790663.3/61

All: 2750.294+/-0.242 χ^2/NDF: 22930741.2/1

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: 11.077+/-0.933 χ^2/NDF: 180.1/31

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: -5.483+/-0.931 χ^2/NDF: 387.0/36

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

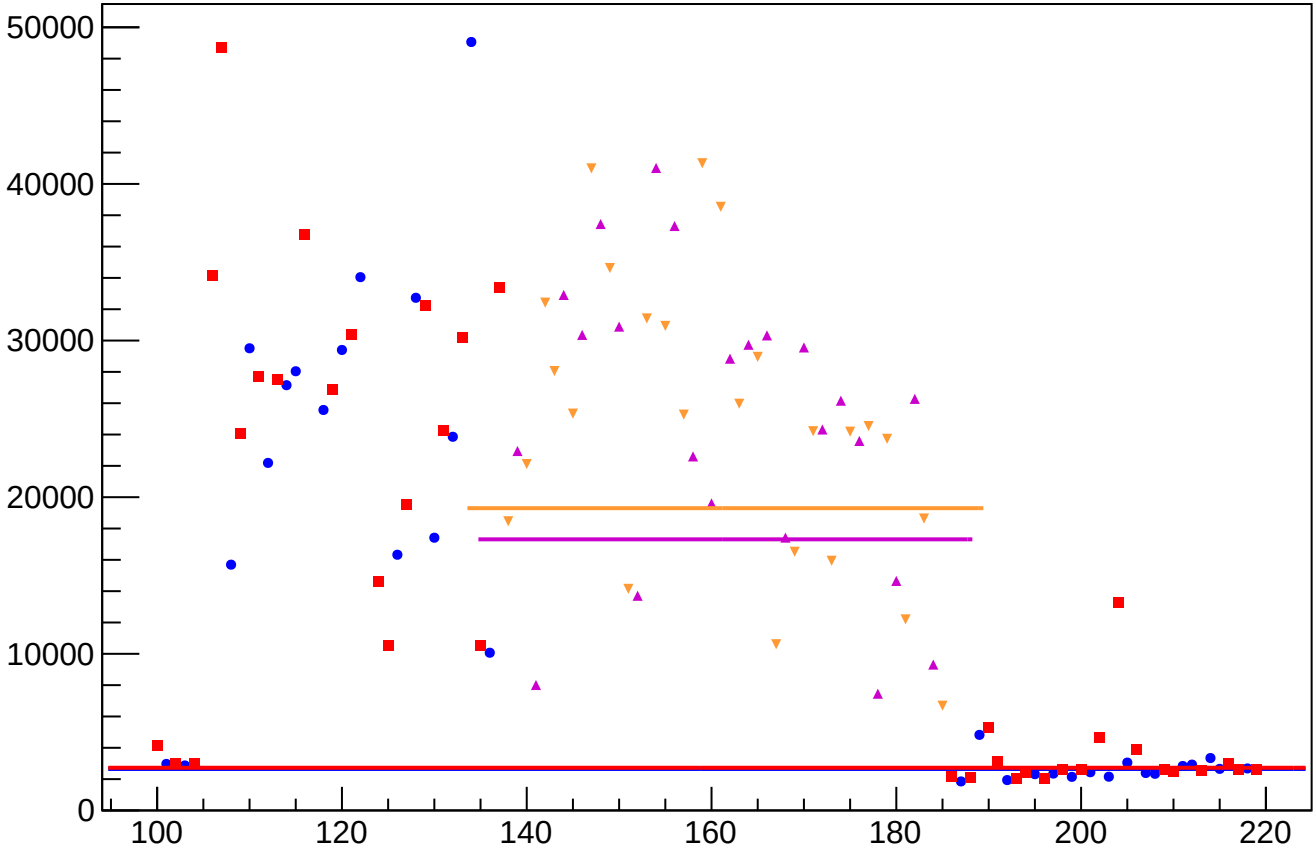
Right: 2.780+/-0.659 χ^2/NDF: 725.0/68

In: 10.942+/-0.917 χ^2/NDF:201.8/54

Out: -5.097+/-0.916 χ^2/NDF:412.1/61

All: 2.914+/-0.648 χ^2/NDF: 766.9/116

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 2649.975+/-0.660 χ^2/NDF: 7988706.0/31

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2725.761+/-0.658 χ^2/NDF: 9434622.7/36

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

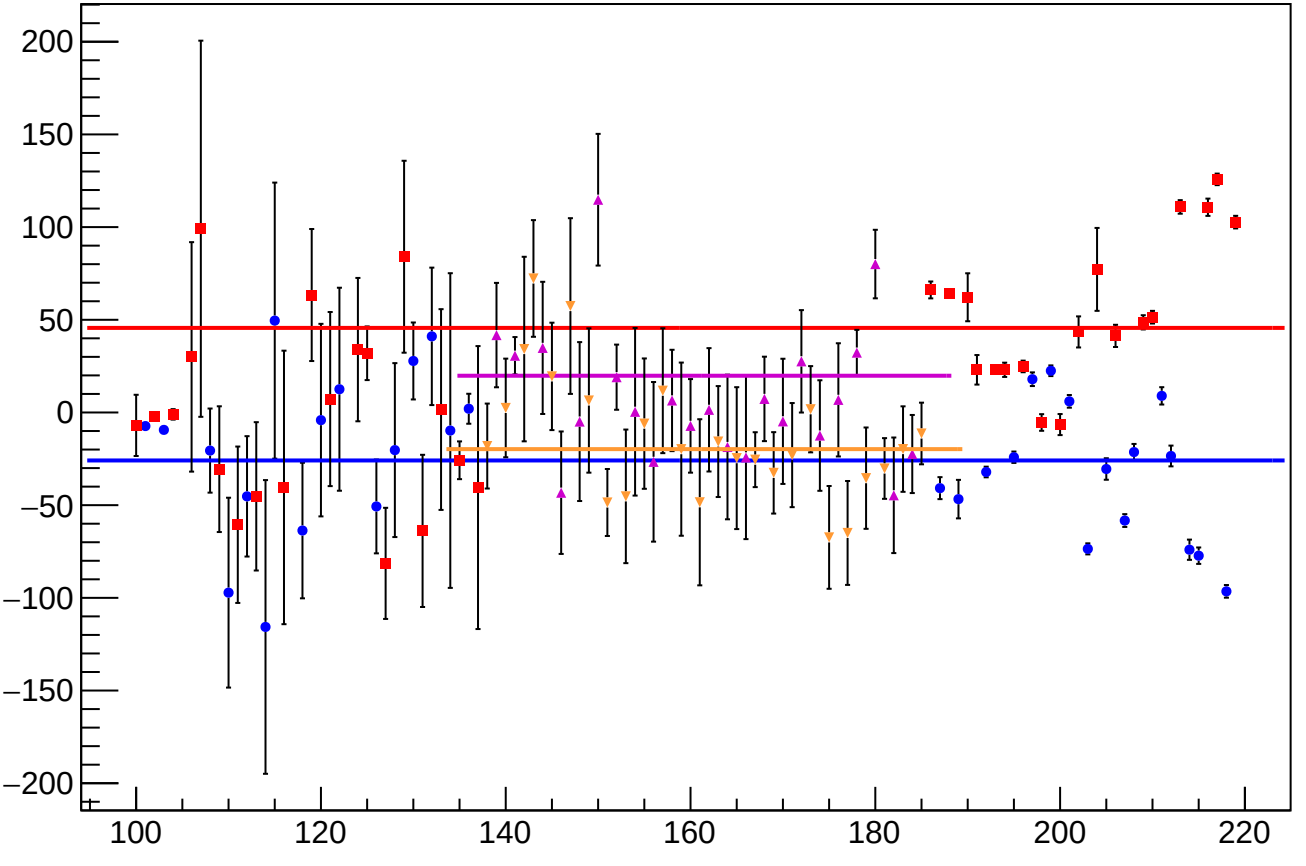
Right: 2687.945+/-0.466 χ^2/NDF: 17429943.3/68

In: 3126.176+/-0.649 χ^2/NDF:30755328.8/54

Out: 3235.155+/-0.648 χ^2/NDF:33957450.8/61

All: 3180.727+/-0.458 χ^2/NDF: 64726904.1/

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -25.885+/-0.843 χ^2/NDF: 1692.2/31

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 45.624+/-0.839 χ^2/NDF: 2631.6/36

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

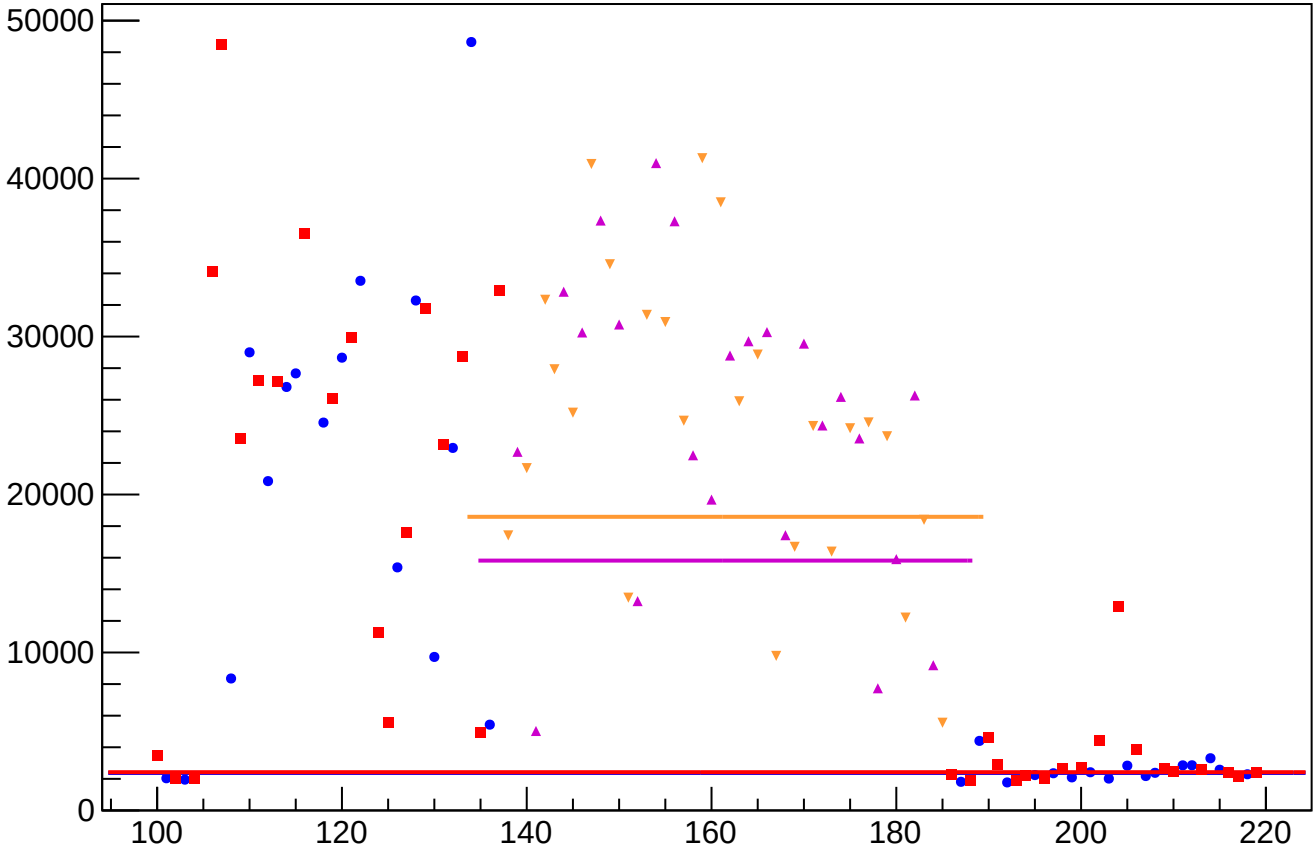
Right: 10.043+/-0.594 χ^2/NDF: 7942.0/68

In: -24.543+/-0.830 χ^2/NDF:1818.8/54

Out: 43.913+/-0.828 χ^2/NDF:2818.4/61

All: 9.795+/-0.586 χ^2/NDF: 8047.9/116

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2373.930+/-0.596 χ^2/NDF: 7176036.5/31

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2421.608+/-0.593 χ^2/NDF: 9032913.3/36

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

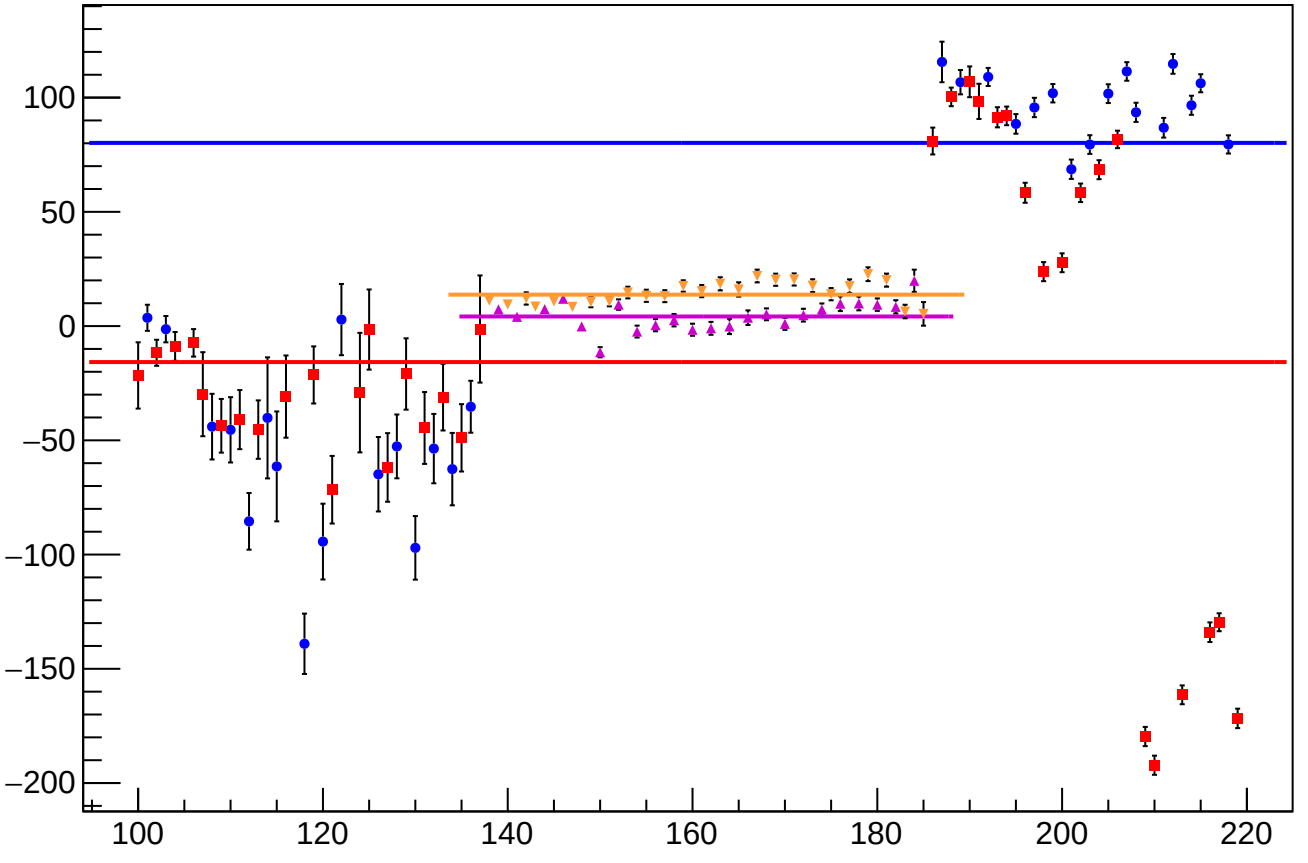
Right: 2397.885+/-0.420 χ^2/NDF: 16212166.8/68

In: 2768.552+/-0.587 χ^2/NDF:30525909.4/54

Out: 2844.495+/-0.585 χ^2/NDF:34177304.7/61

All: 2806.645+/-0.414 χ^2/NDF: 64711609.1/1

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 80.181+/-1.004 χ^2/NDF: 2141.1/31

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: -15.754+/-0.956 χ^2/NDF: 12346.5/36

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

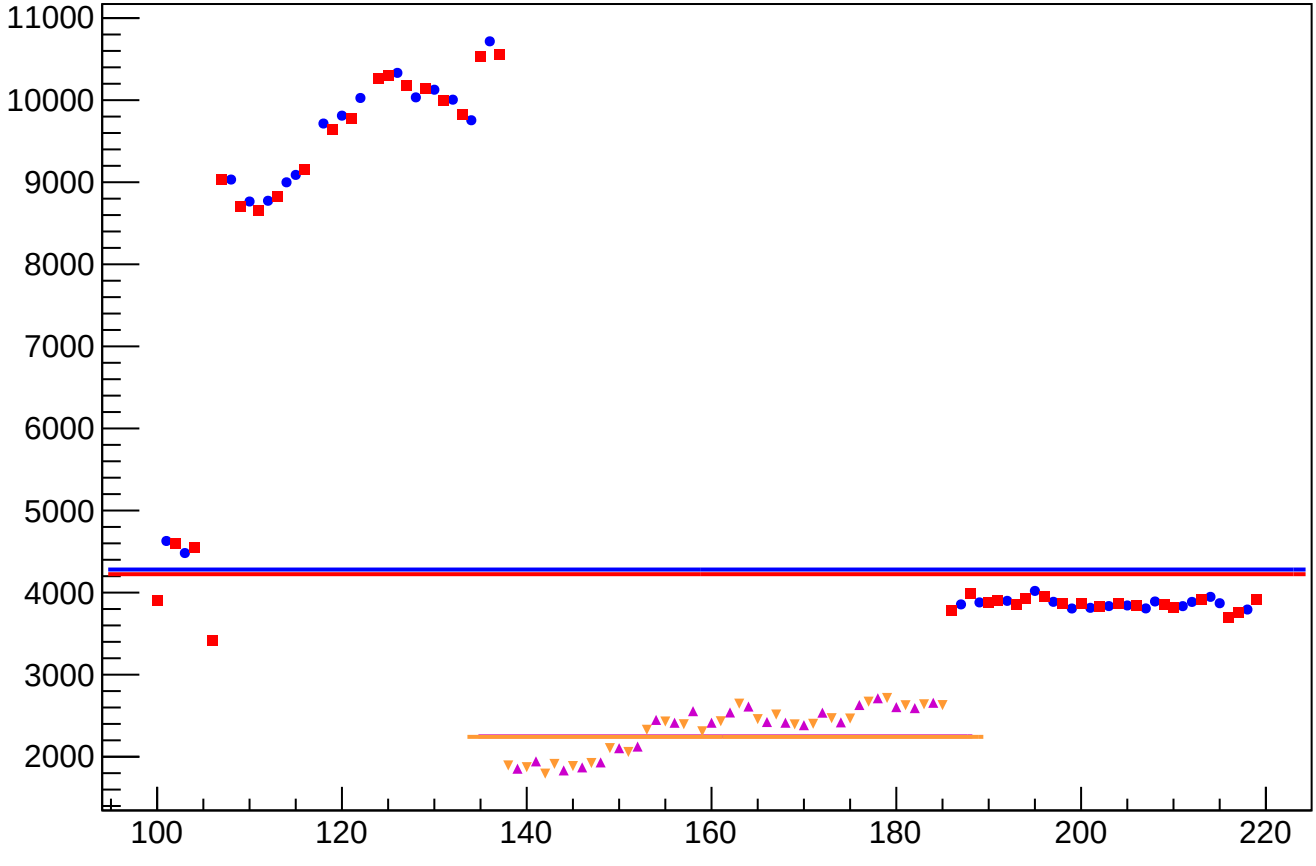
Right: 29.825+/-0.692 χ^2/NDF: 19276.3/68

In: 20.754+/-0.469 χ^2/NDF:6740.8/54

Out: 7.137+/-0.453 χ^2/NDF:13163.7/61

All: 13.708+/-0.326 χ^2/NDF: 20341.1/116

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 4281.123+/-0.710 χ^2/NDF: 4102220.1/31

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4224.234+/-0.676 χ^2/NDF: 4060997.0/36

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

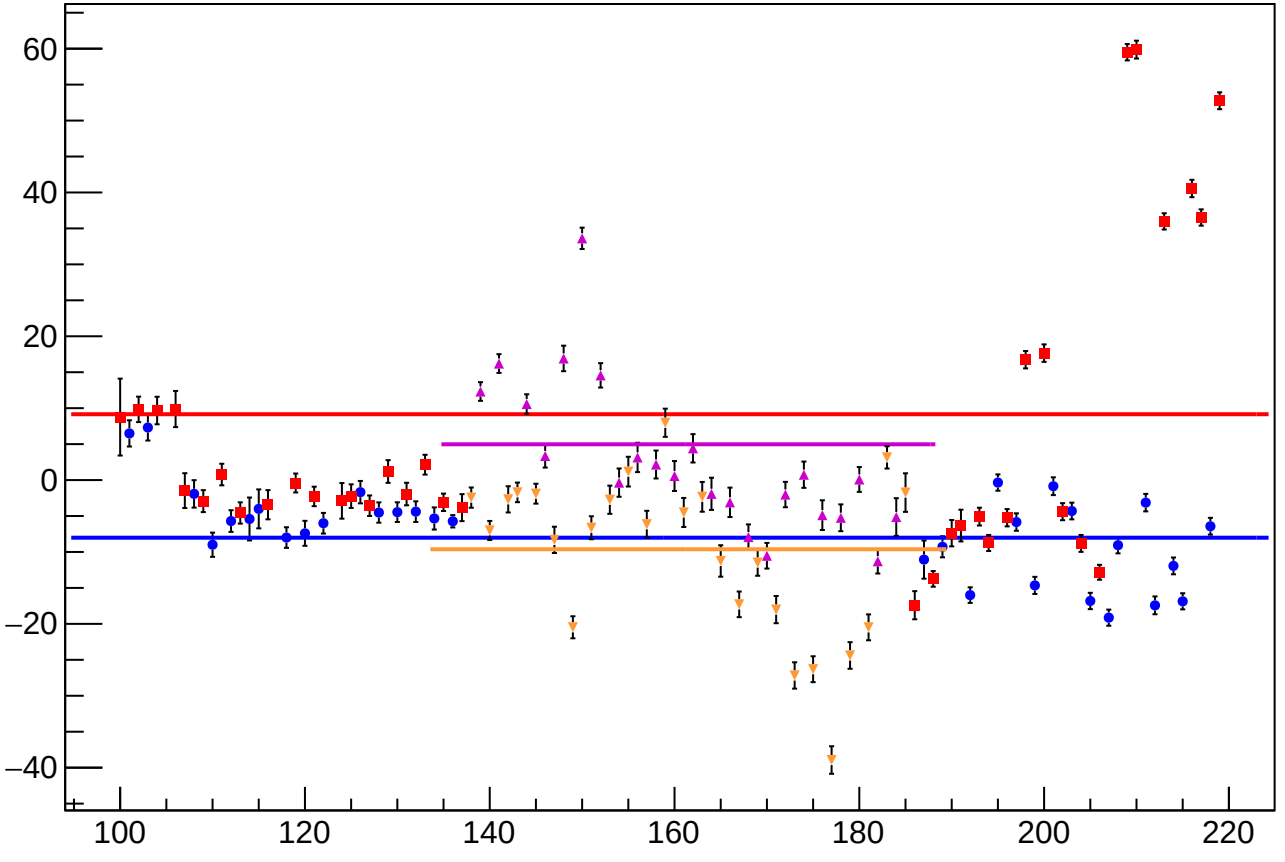
Right: 4251.262+/-0.490 χ^2/NDF: 8166584.9/68

In: 2691.358+/-0.331 χ^2/NDF:11150565.2/54

Out: 2687.099+/-0.320 χ^2/NDF:11391655.4/61

All: 2689.154+/-0.230 χ^2/NDF: 22542306.0/

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -8.016+/-0.237 χ^2/NDF: 686.1/31

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: 9.157+/-0.230 χ^2/NDF: 9789.5/36

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

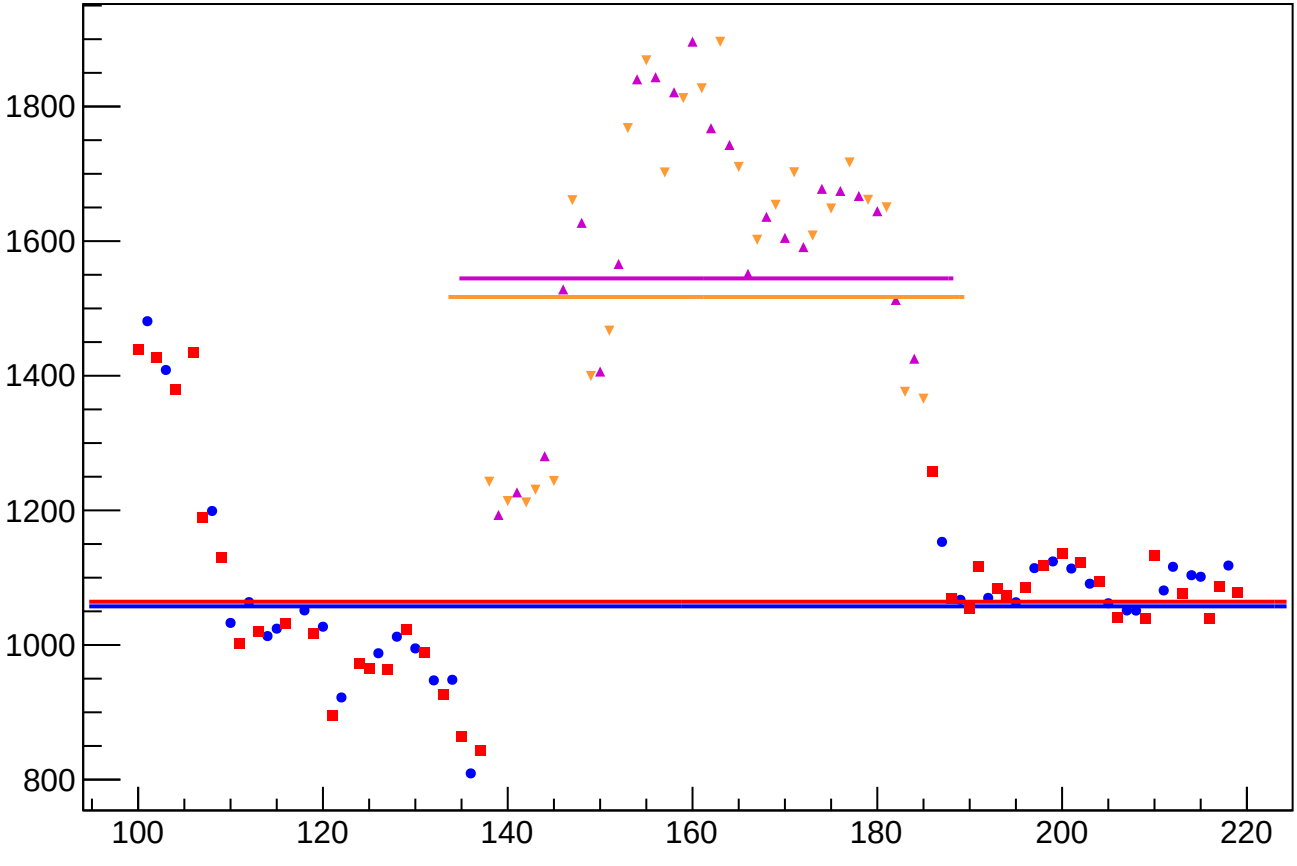
Right: 0.799+/-0.165 χ^2/NDF: 13180.7/68

In: -4.168+/-0.198 χ^2/NDF:2509.2/54

Out: 3.461+/-0.192 χ^2/NDF:12739.7/61

All: -0.232+/-0.138 χ^2/NDF: 16011.2/116

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1057.390+/-0.167 χ^2/NDF: 448957.6/31

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1064.280+/-0.163 χ^2/NDF: 416255.2/36

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

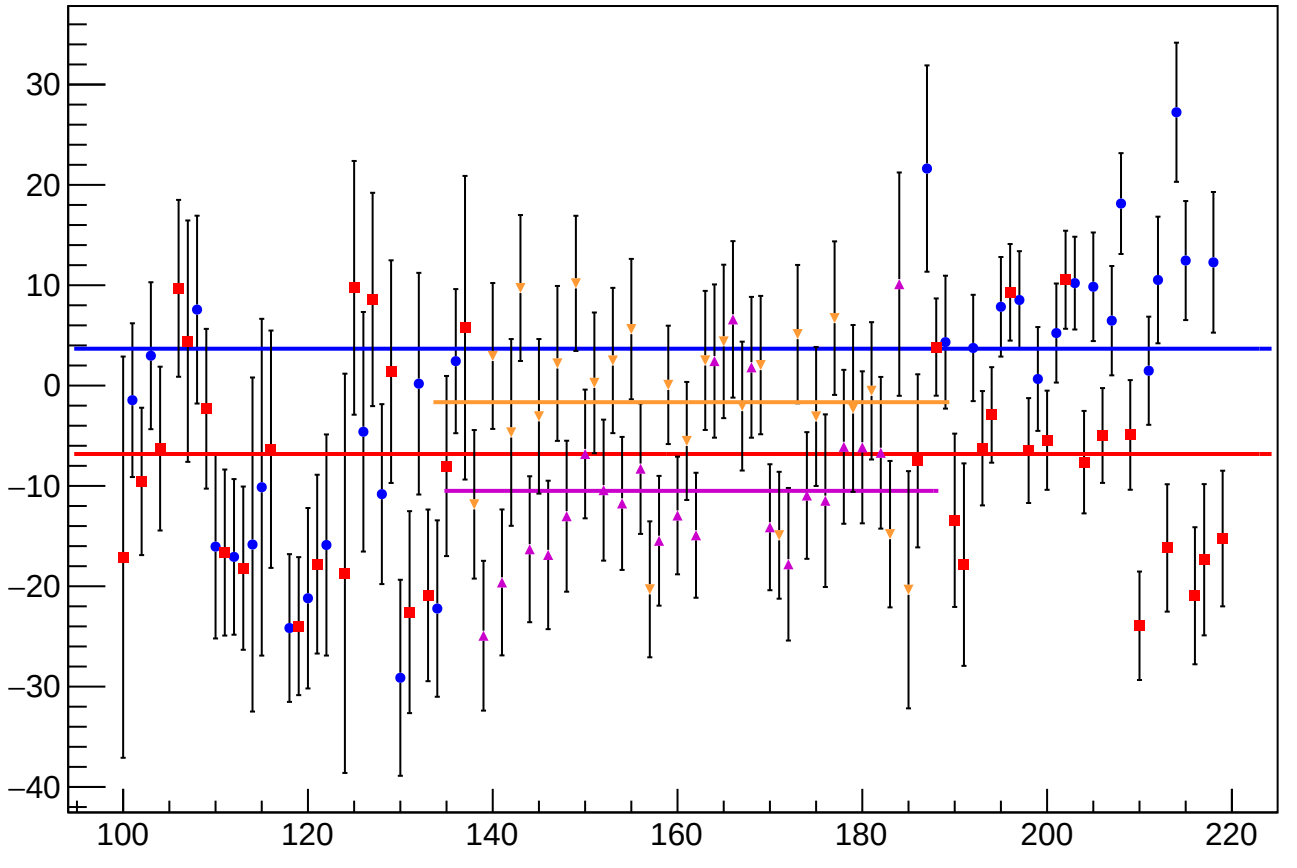
Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

Right: 1060.927+/-0.117 χ^2/NDF: 866083.7/68

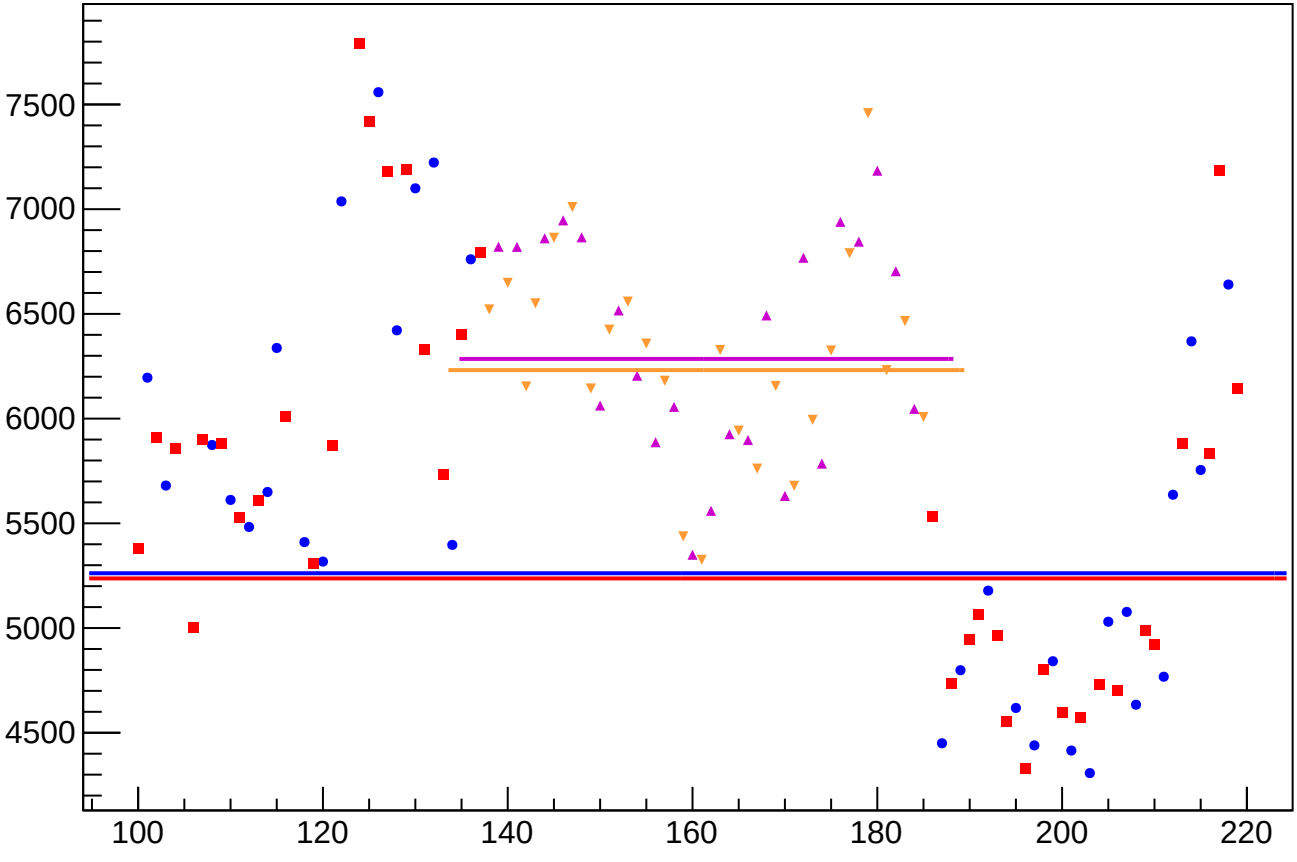
In: 1201.735+/-0.140 χ^2/NDF:3600925.0/54

Out: 1201.596+/-0.136 χ^2/NDF:3592592.1/61

All: 1201.663+/-0.098 χ^2/NDF: 7193517.6/11


diff_bpm0l05X_mean vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
−40
100
120
140
160
180
200
220
Right In: 3.674+/-1.191 χ²/NDF: 96.4/31
Left Out: -1.655+/-1.426 χ²/NDF:31.5/24
Right Out: -6.817+/-1.146 χ²/NDF: 78.3/36
Left In: -10.492+/-1.480 χ²/NDF:24.9/22
Left: -5.911+/-1.027 χ²/NDF: 74.9/47
Right: -1.775+/-0.826 χ²/NDF: 215.0/68
In: -1.896+/-0.928 χ²/NDF:177.0/54
Out: -4.793+/-0.893 χ²/NDF:117.8/61
All: -3.399+/-0.643 χ²/NDF: 299.8/116

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 5261.625+/-0.842 χ^2/NDF: 914359.0/31

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5236.915+/-0.810 χ^2/NDF: 871336.8/36

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

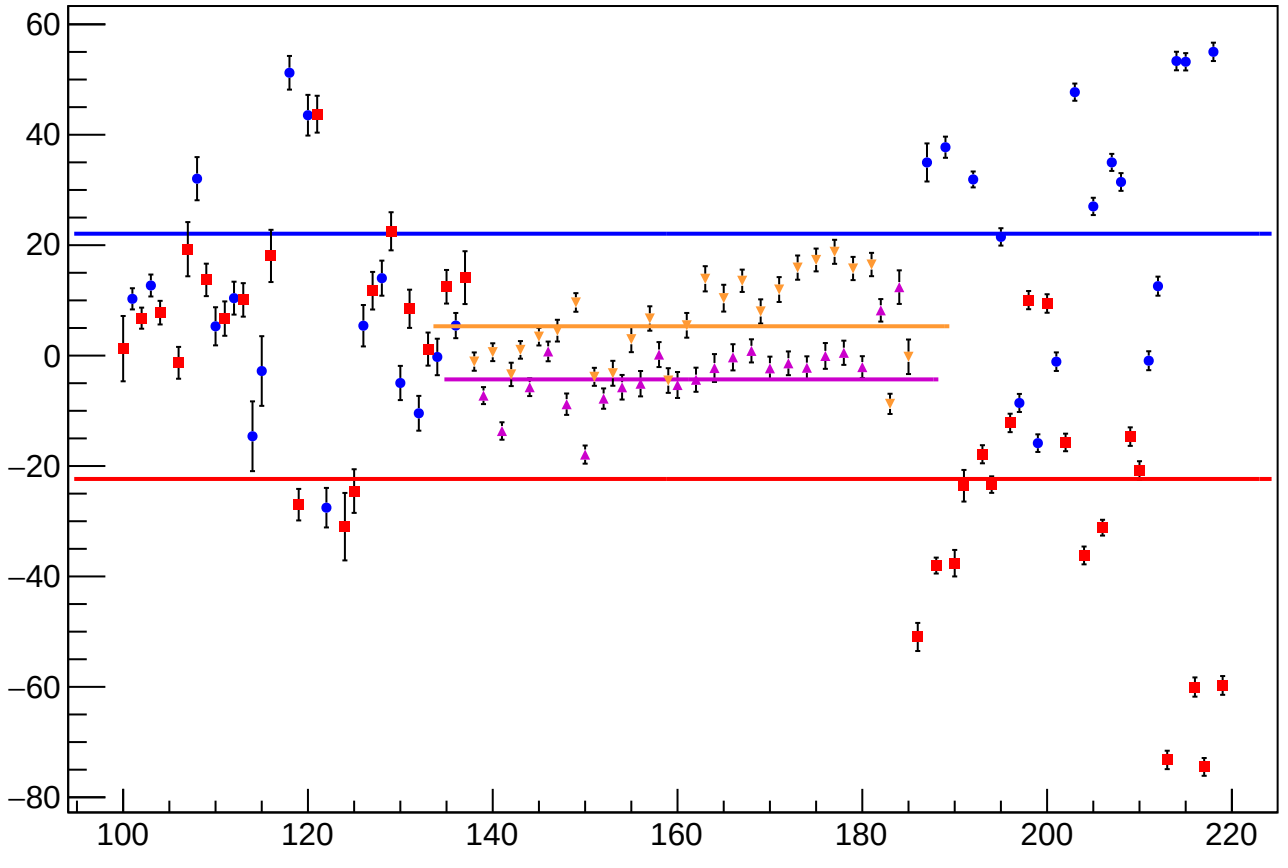
Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

Right: 5248.790+/-0.584 χ^2/NDF: 1786142.9/68

In: 5664.018+/-0.656 χ^2/NDF:1760289.3/54

Out: 5627.012+/-0.632 χ^2/NDF:1689483.8/61

All: 5644.812+/-0.455 χ^2/NDF: 3451424.3/11



Right In: 22.077+/-0.364 χ^2/NDF: 3740.8/31

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -22.344+/-0.351 χ^2/NDF: 6149.6/36

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

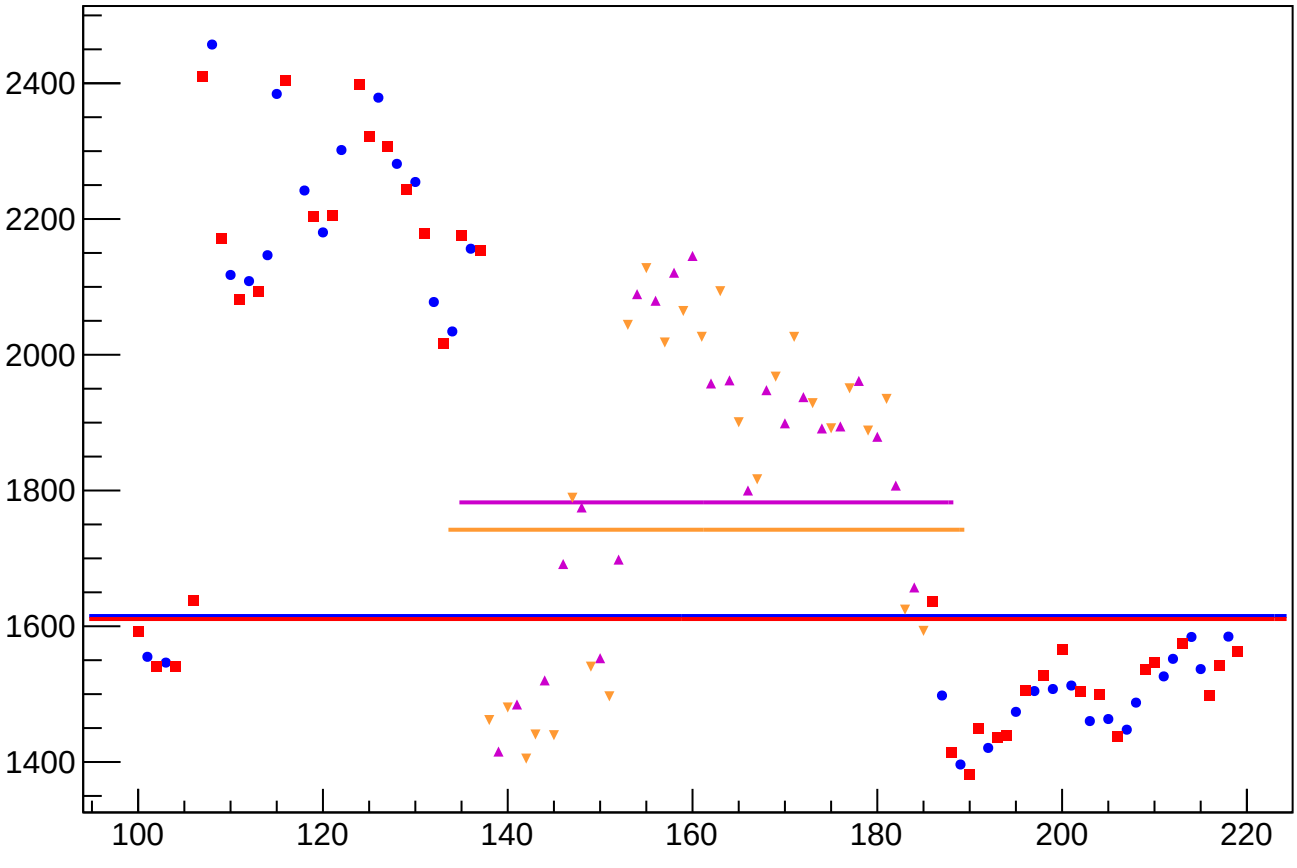
Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

Right: -0.926+/-0.253 χ^2/NDF: 17595.2/68

In: 10.755+/-0.275 χ^2/NDF:6213.8/54

Out: -10.309+/-0.264 χ^2/NDF:9223.3/61

All: -0.209+/-0.191 χ^2/NDF: 18487.3/116



Right In: 1615.070+/-0.258 χ^2/NDF: 1082432.9/31

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1610.644+/-0.248 χ^2/NDF: 1061656.5/36

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

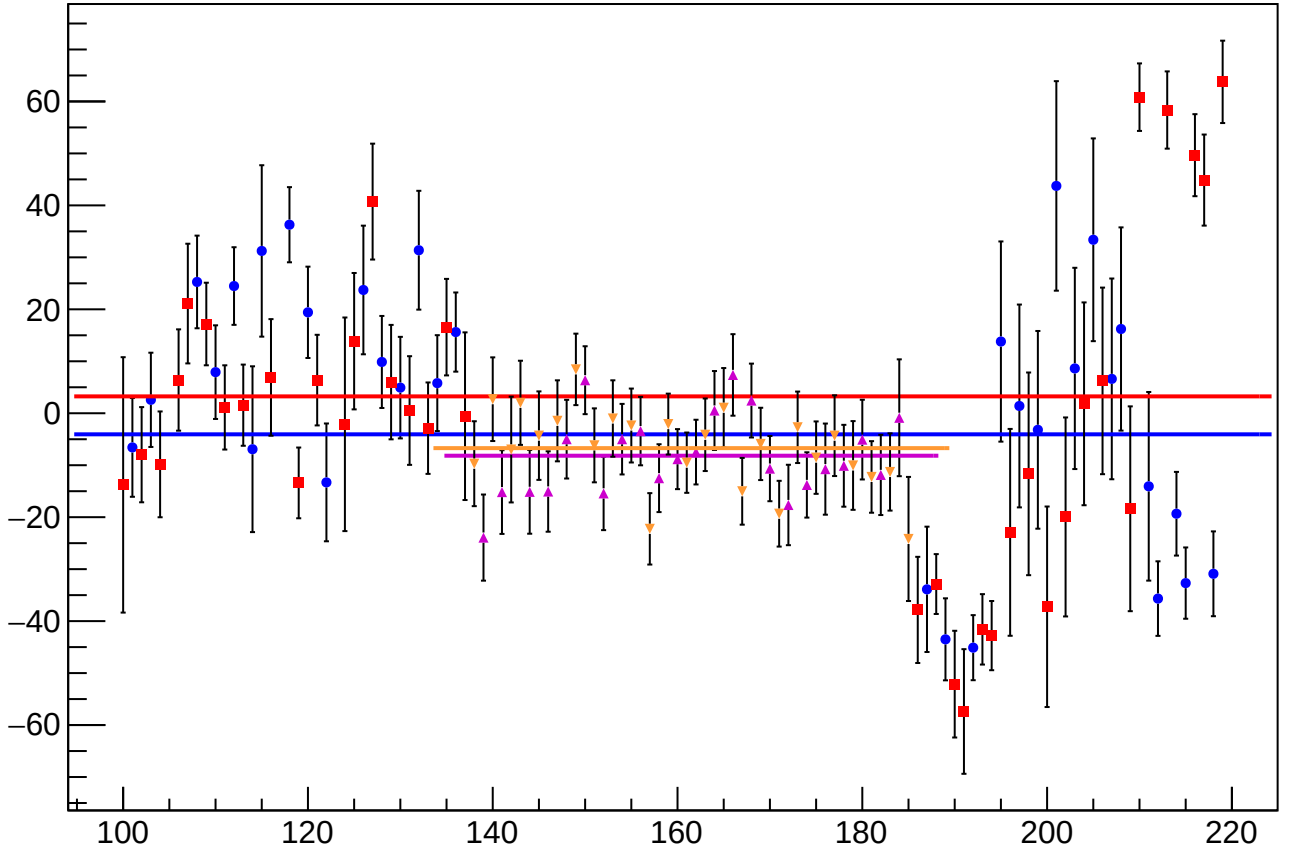
Right: 1612.778+/-0.179 χ^2/NDF: 2144242.5/68

In: 1686.909+/-0.195 χ^2/NDF:1798203.5/54

Out: 1667.899+/-0.187 χ^2/NDF:1951335.9/61

All: 1677.014+/-0.135 χ^2/NDF: 3754508.2/11

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: -4.055+/-1.758 χ^2/NDF: 234.8/31

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: 3.247+/-1.582 χ^2/NDF: 490.4/36

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

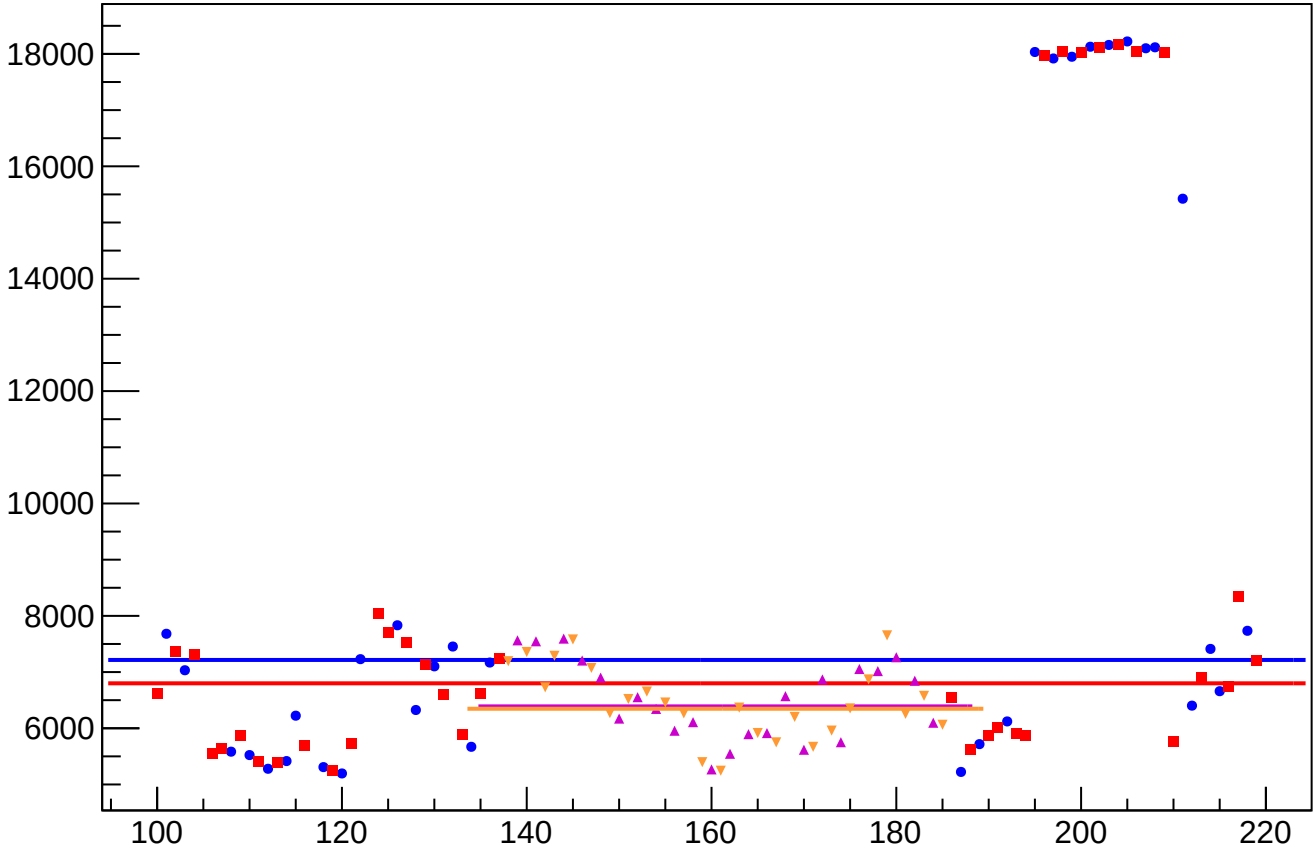
Right: -0.021+/-1.176 χ^2/NDF: 734.8/68

In: -6.424+/-1.145 χ^2/NDF:262.1/54

Out: -2.139+/-1.072 χ^2/NDF:537.5/61

All: -4.140+/-0.783 χ^2/NDF: 807.1/116

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 7215.658+/-1.243 χ^2/NDF: 6270157.9/31

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6799.888+/-1.119 χ^2/NDF: 5506170.4/36

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

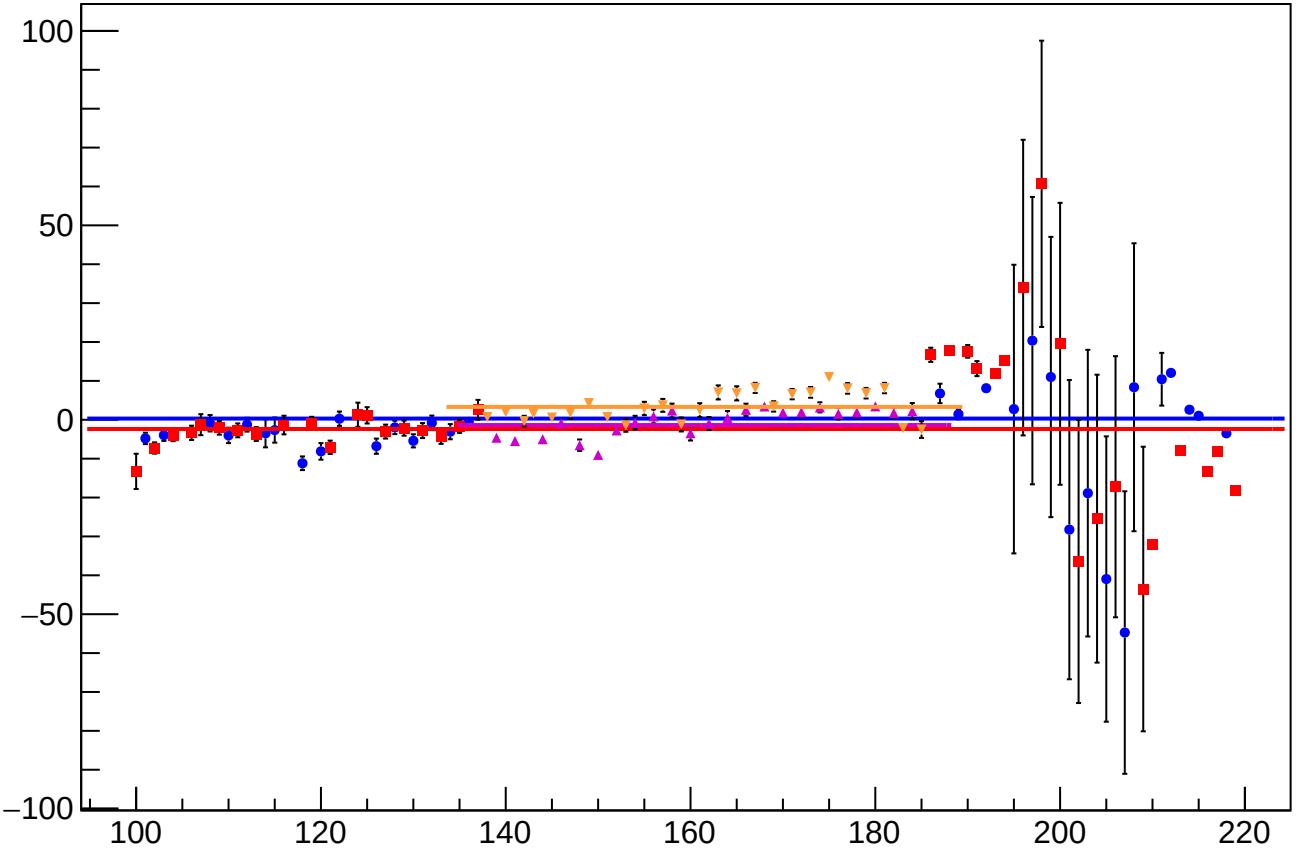
Right: 6985.941+/-0.831 χ^2/NDF: 11838149.8/68

In: 6740.238+/-0.810 χ^2/NDF:6944172.5/54

Out: 6555.128+/-0.758 χ^2/NDF:5980729.4/61

All: 6641.564+/-0.553 χ^2/NDF: 12952747.6/

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: 0.308+/-0.309 χ^2/NDF: 323.7/31

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: -2.370+/-0.277 χ^2/NDF: 2115.9/36

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

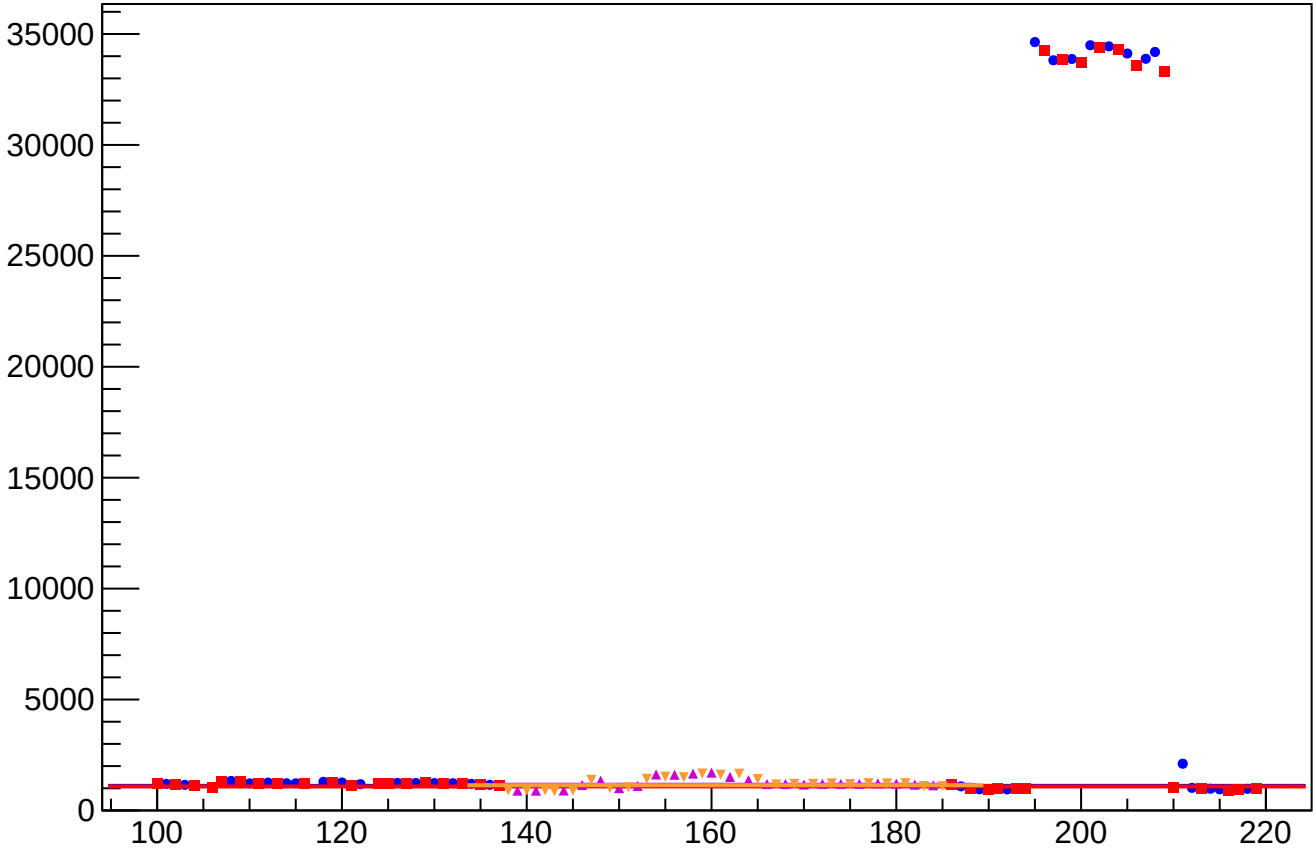
Right: -1.177+/-0.206 χ^2/NDF: 2481.2/68

In: -0.616+/-0.206 χ^2/NDF:536.0/54

Out: 0.604+/-0.191 χ^2/NDF:2513.7/61

All: 0.040+/-0.140 χ^2/NDF: 3068.6/116

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1108.220+/-0.219 χ^2/NDF: 13228982.2/31

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1081.277+/-0.196 χ^2/NDF: 11834941.6/36

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

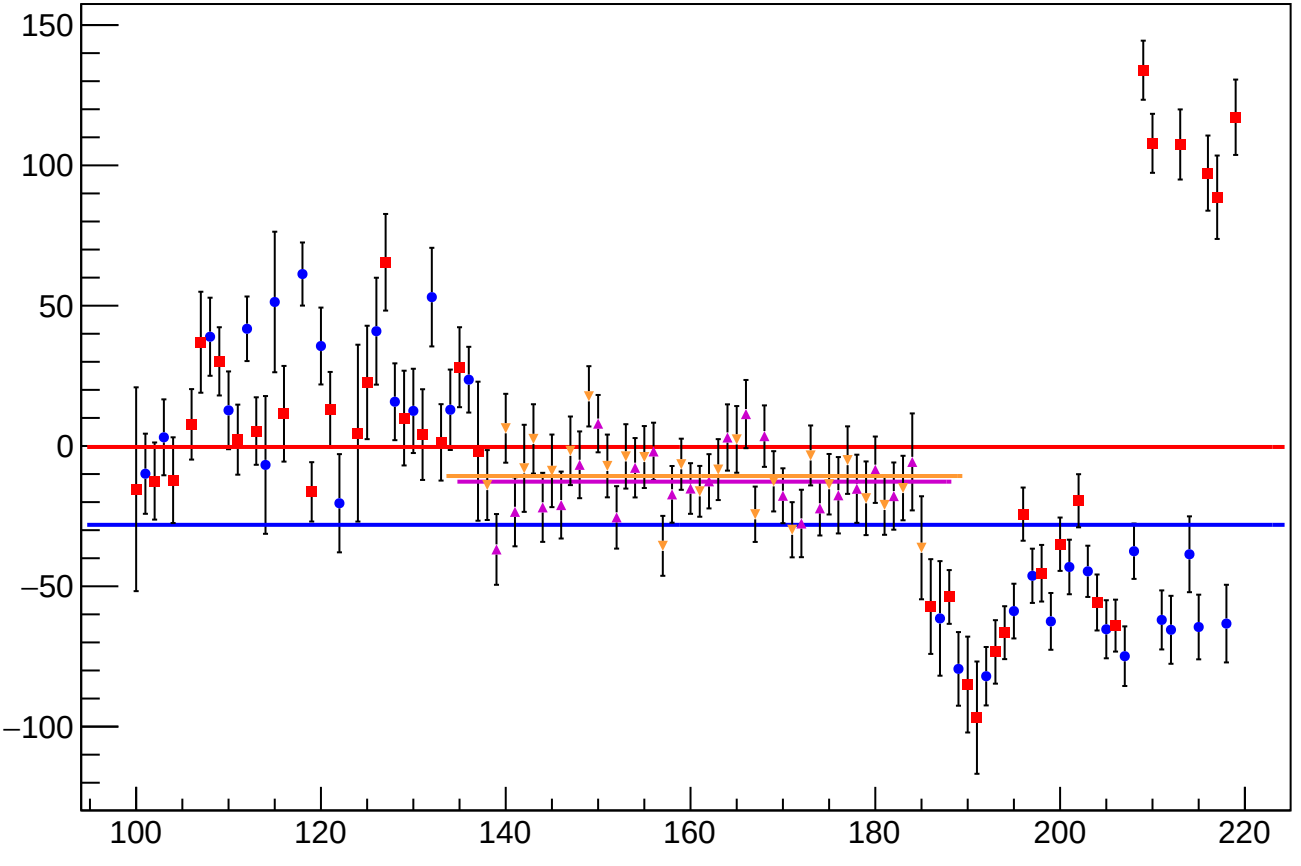
Right: 1093.280+/-0.146 χ^2/NDF: 25072344.4/68

In: 1136.662+/-0.146 χ^2/NDF:14519244.0/54

Out: 1110.524+/-0.135 χ^2/NDF:13347177.7/61

All: 1122.617+/-0.099 χ^2/NDF: 27883693.0/1

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -28.095+/-2.185 χ^2/NDF: 397.0/31

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -0.350+/-2.093 χ^2/NDF: 848.5/36

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

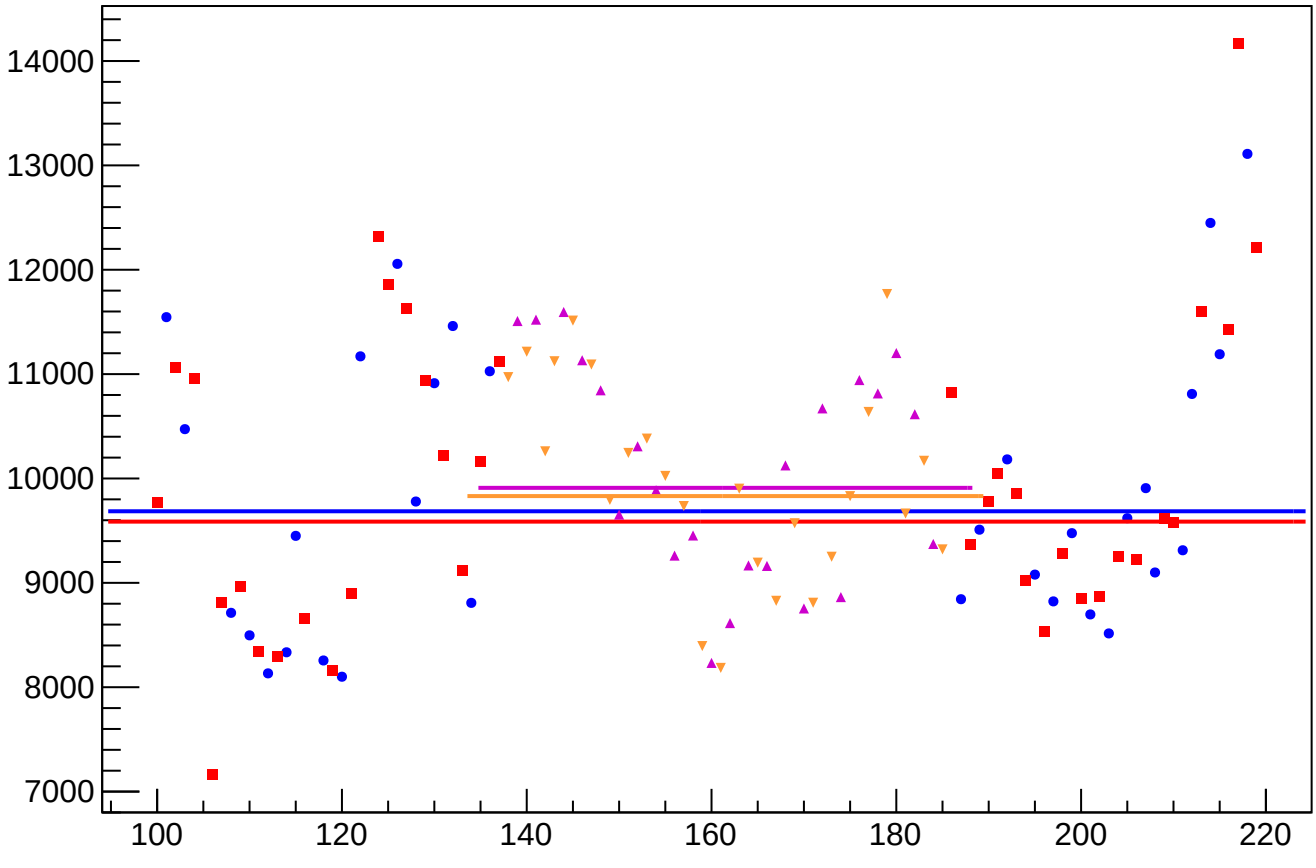
Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

Right: -13.629+/-1.511 χ^2/NDF: 1329.6/68

In: -20.938+/-1.597 χ^2/NDF:444.1/54

Out: -5.133+/-1.535 χ^2/NDF:888.6/61

All: -12.721+/-1.107 χ^2/NDF: 1383.5/116



Right In: 9685.785+/-1.545 χ^2/NDF: 634361.0/31

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9586.649+/-1.480 χ^2/NDF: 744140.5/36

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

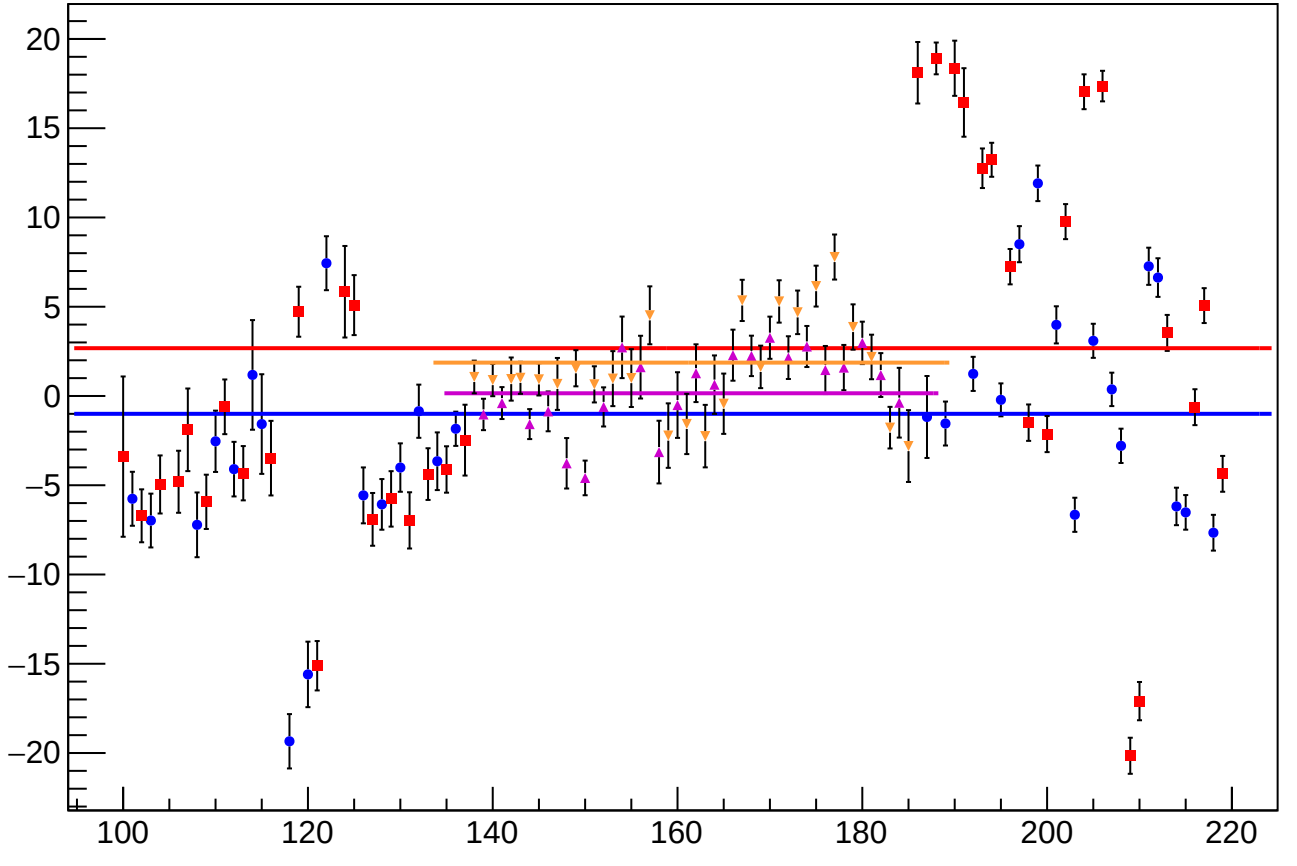
Right: 9634.097+/-1.069 χ^2/NDF: 1380649.0/68

In: 9790.296+/-1.129 χ^2/NDF:1033562.8/54

Out: 9699.753+/-1.085 χ^2/NDF:1112898.6/61

All: 9743.223+/-0.783 χ^2/NDF: 2149803.2/11

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -0.999+/-0.214 χ^2/NDF: 870.8/31

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 2.678+/-0.206 χ^2/NDF: 2805.2/36

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

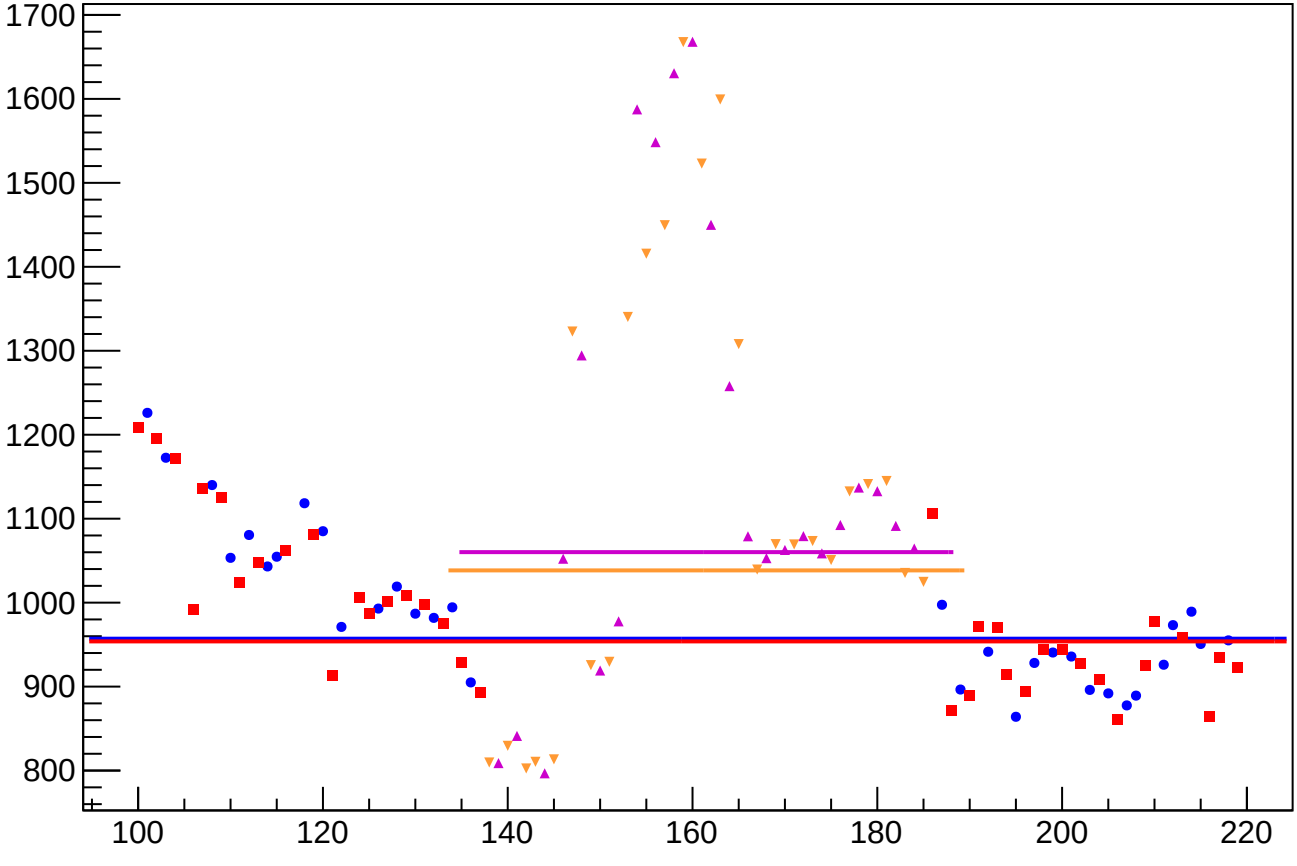
Right: 0.905+/-0.148 χ^2/NDF: 3829.3/68

In: -0.523+/-0.164 χ^2/NDF:958.4/54

Out: 2.339+/-0.157 χ^2/NDF:2914.8/61

All: 0.966+/-0.113 χ^2/NDF: 4032.4/116

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 957.056+/-0.151 χ^2/NDF: 269006.8/31

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 953.834+/-0.146 χ^2/NDF: 278903.7/36

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

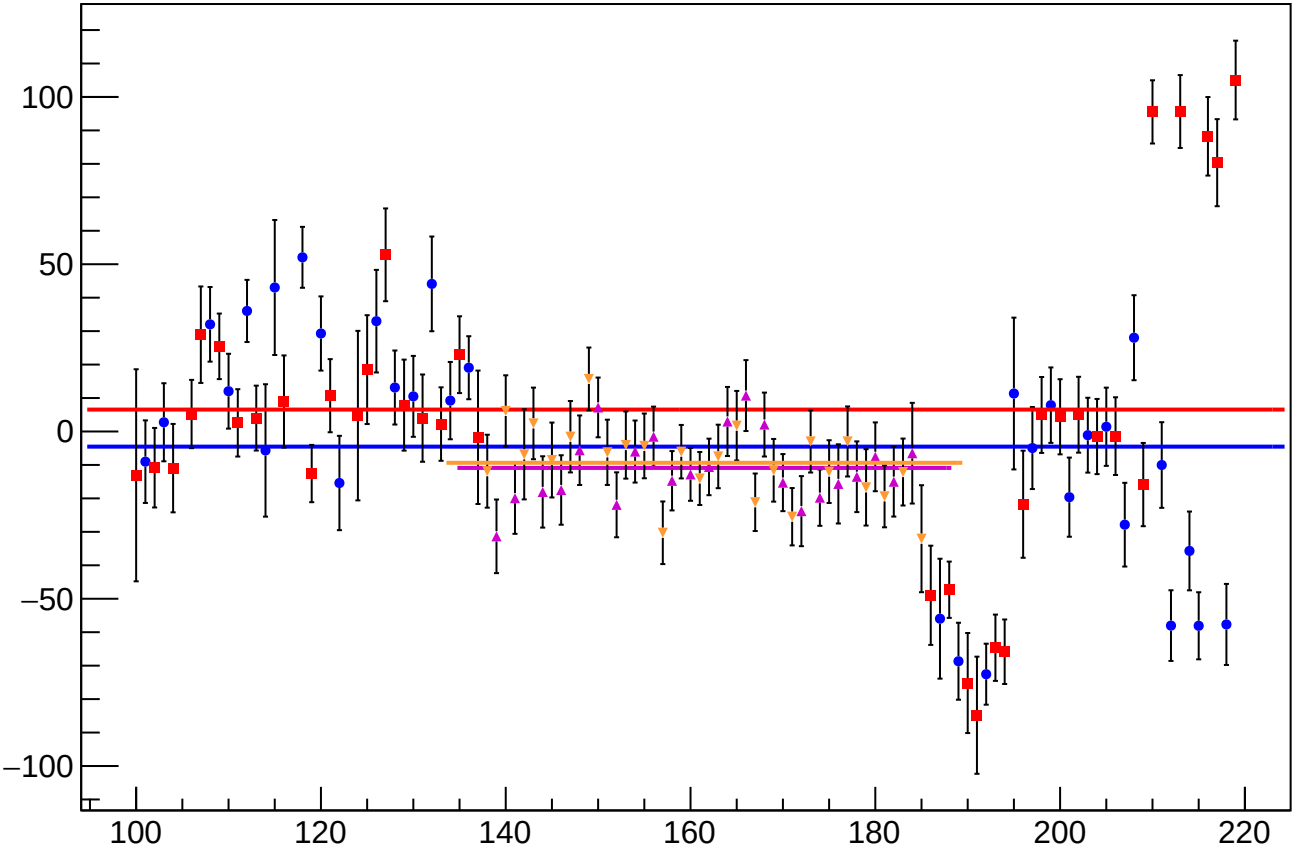
Right: 955.387+/-0.105 χ^2/NDF: 548146.2/68

In: 999.682+/-0.116 χ^2/NDF:1984804.3/54

Out: 989.280+/-0.111 χ^2/NDF:2126712.1/61

All: 994.269+/-0.080 χ^2/NDF: 4115722.5/116

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: -4.527+/-2.094 χ^2/NDF: 305.5/31

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: 6.551+/-1.949 χ^2/NDF: 563.6/36

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

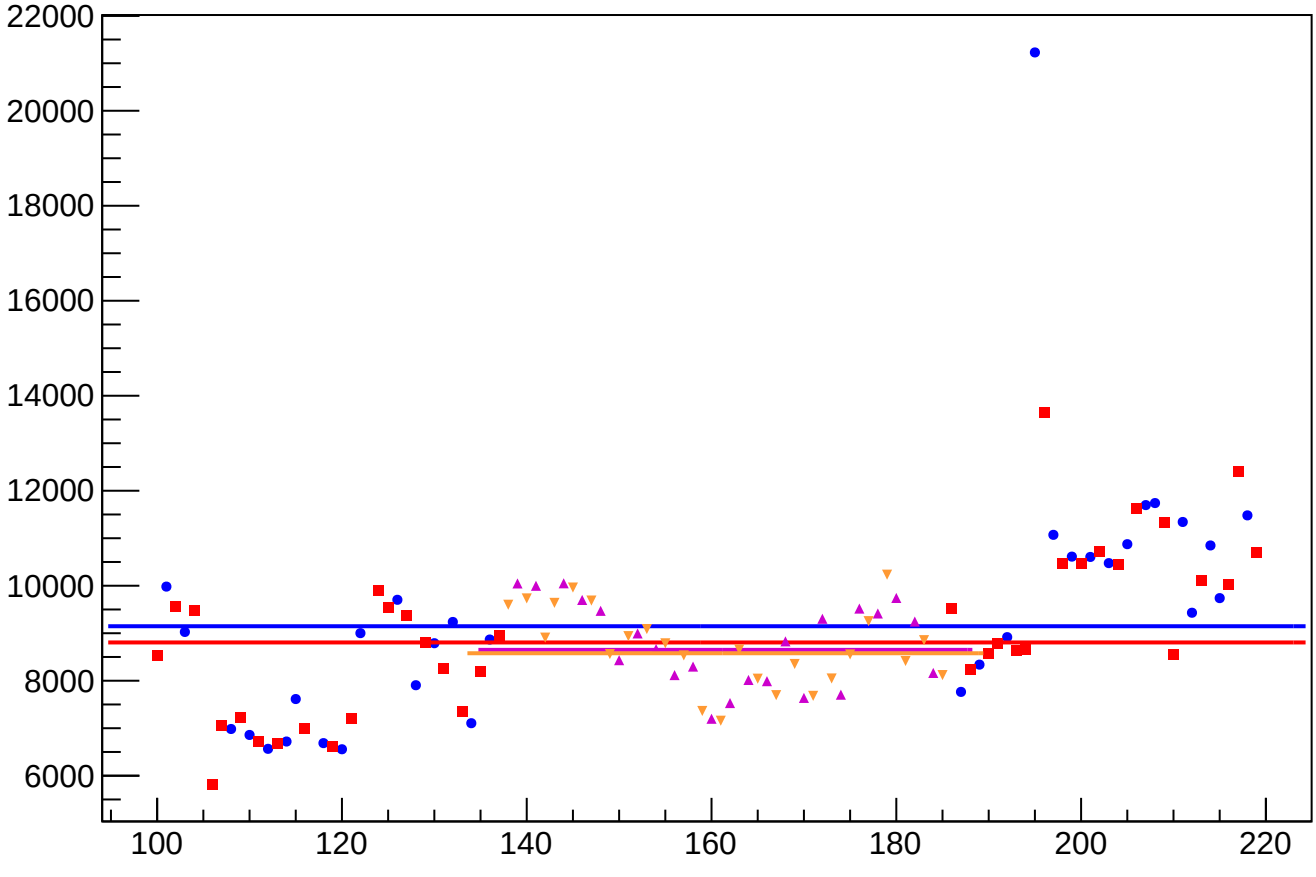
Right: 1.409+/-1.427 χ^2/NDF: 884.2/68

In: -7.789+/-1.462 χ^2/NDF:333.9/54

Out: -1.322+/-1.385 χ^2/NDF:625.1/61

All: -4.381+/-1.006 χ^2/NDF: 969.3/116

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 9147.248+/-1.481 χ^2/NDF: 1838707.9/31

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8805.816+/-1.378 χ^2/NDF: 1554091.2/36

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

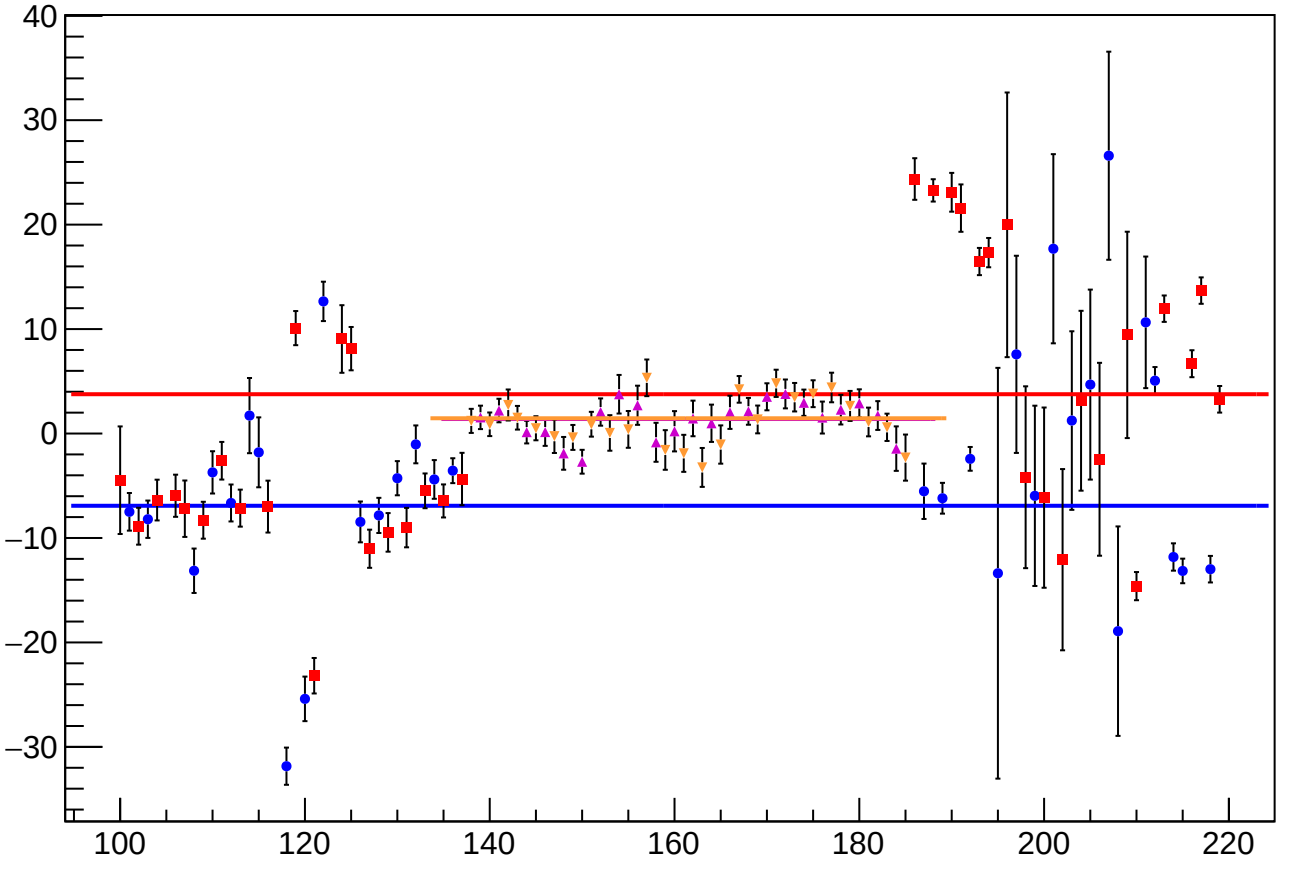
Right: 8964.316+/-1.009 χ^2/NDF: 3421280.0/68

In: 8892.007+/-1.034 χ^2/NDF:2274603.0/54

Out: 8693.253+/-0.980 χ^2/NDF:1911284.6/61

All: 8787.271+/-0.711 χ^2/NDF: 4205359.8/11

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.916+/-0.340 χ^2/NDF: 620.5/31

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 3.764+/-0.305 χ^2/NDF: 1857.2/36

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

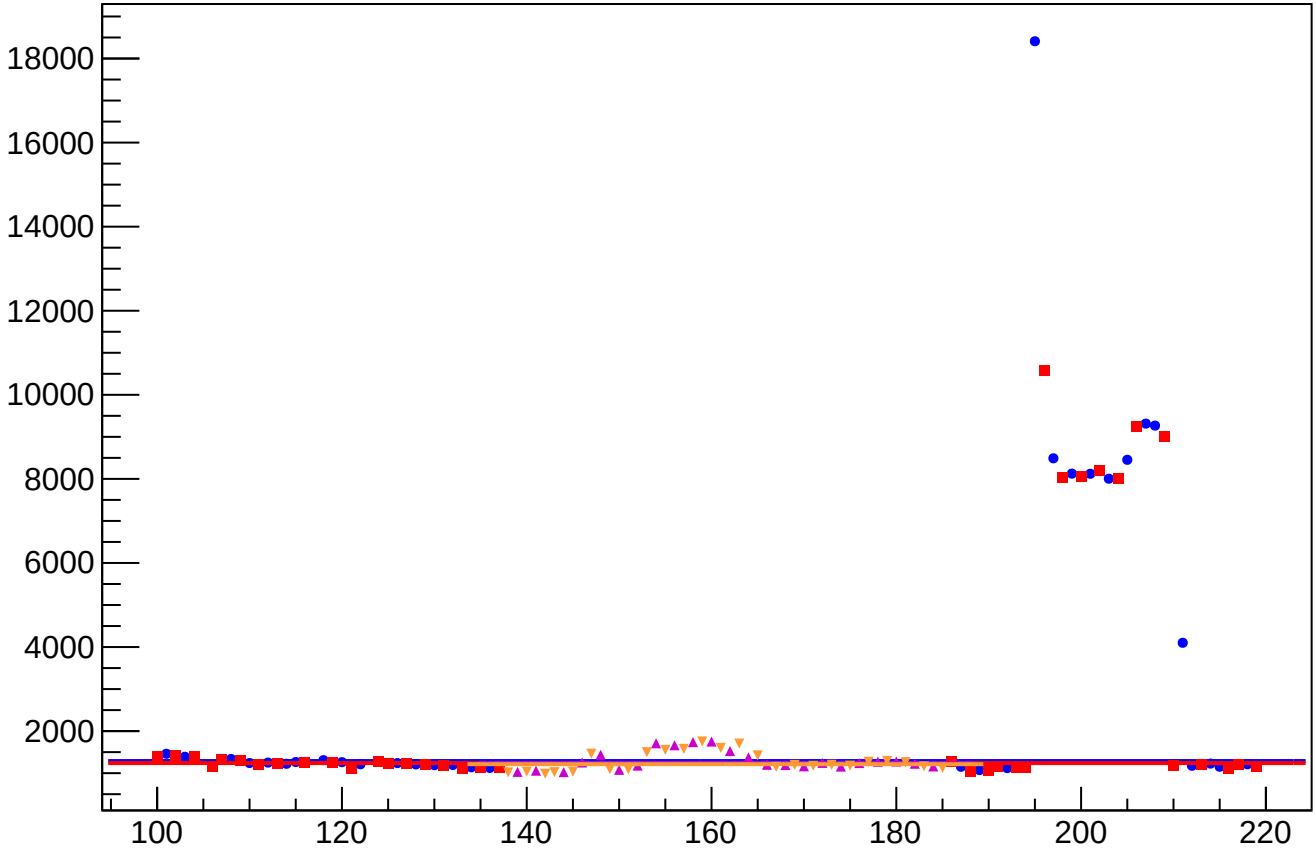
Right: -1.002+/-0.227 χ^2/NDF: 3025.7/68

In: -2.173+/-0.222 χ^2/NDF:997.8/54

Out: 2.517+/-0.206 χ^2/NDF:1939.2/61

All: 0.346+/-0.151 χ^2/NDF: 3176.0/116

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1287.505+/-0.240 χ^2/NDF: 10761895.5/31

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1239.714+/-0.215 χ^2/NDF: 9039804.1/36

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

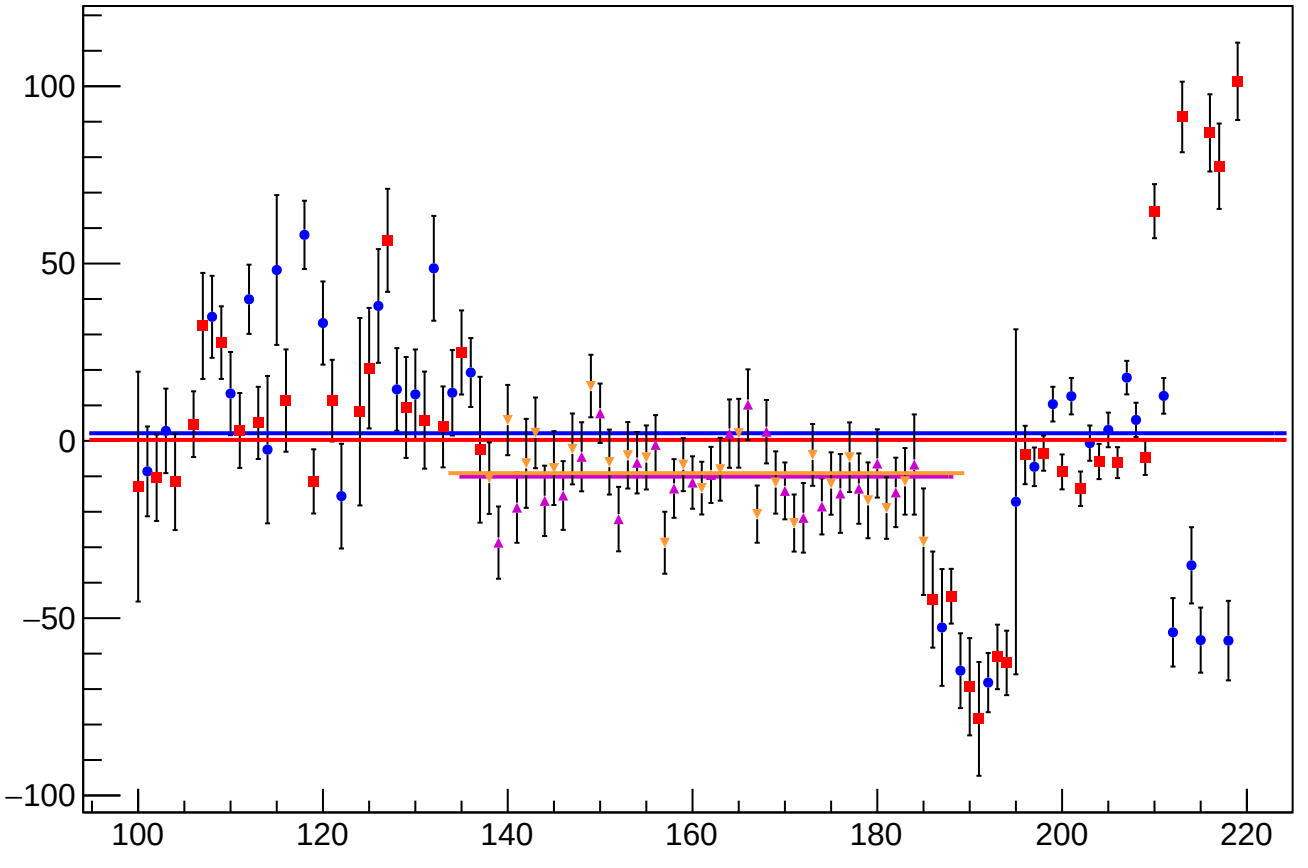
Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

Right: 1261.039+/-0.160 χ^2/NDF: 19823645.1/68

In: 1259.907+/-0.157 χ^2/NDF:11670634.7/54

Out: 1225.395+/-0.146 χ^2/NDF:10060723.2/61

All: 1241.367+/-0.107 χ^2/NDF: 21757237.3/



Right In: 2.146+/-1.422 χ^2/NDF: 354.8/31

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: 0.272+/-1.413 χ^2/NDF: 588.1/36

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

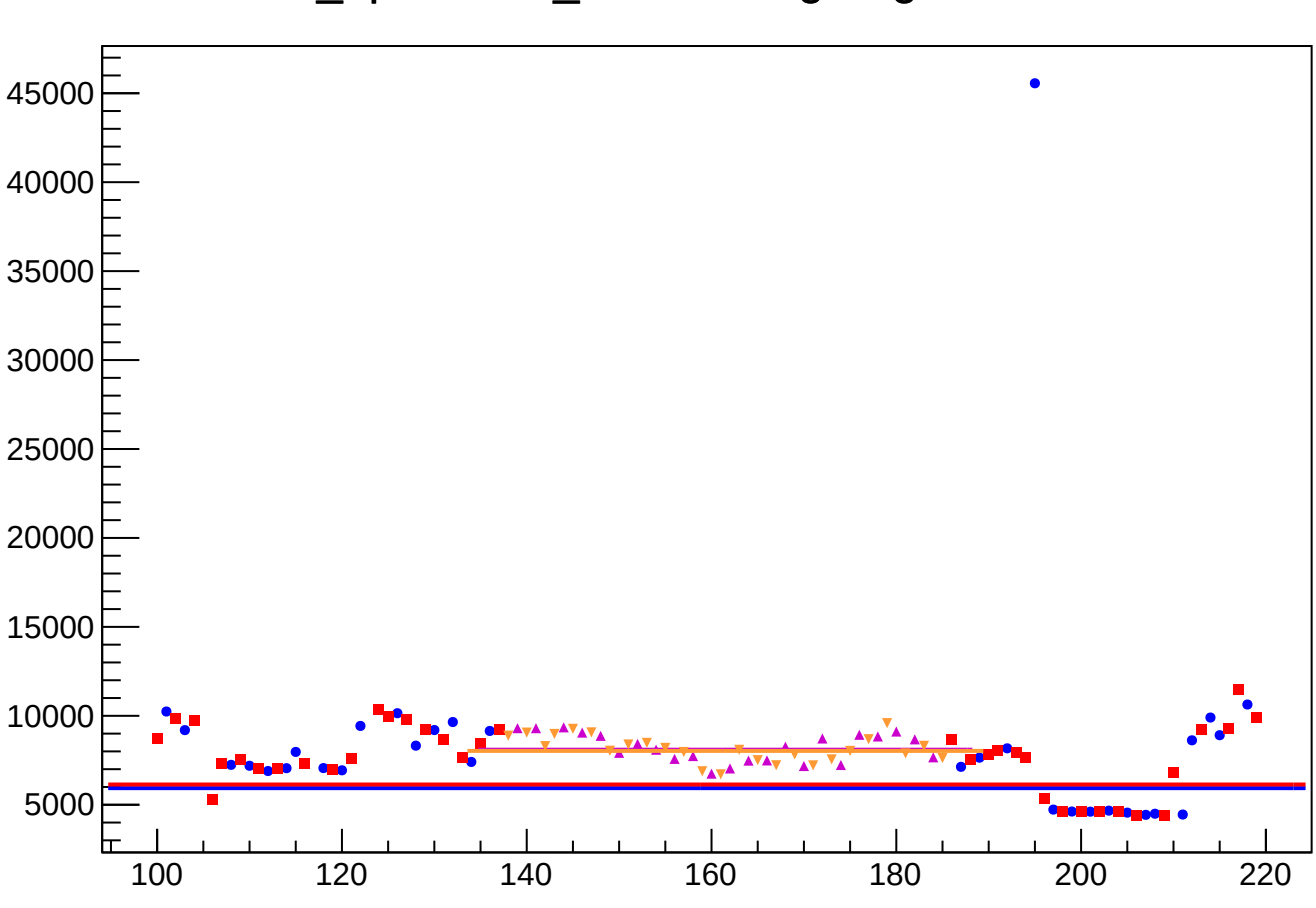
Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

Right: 1.203+/-1.002 χ^2/NDF: 943.8/68

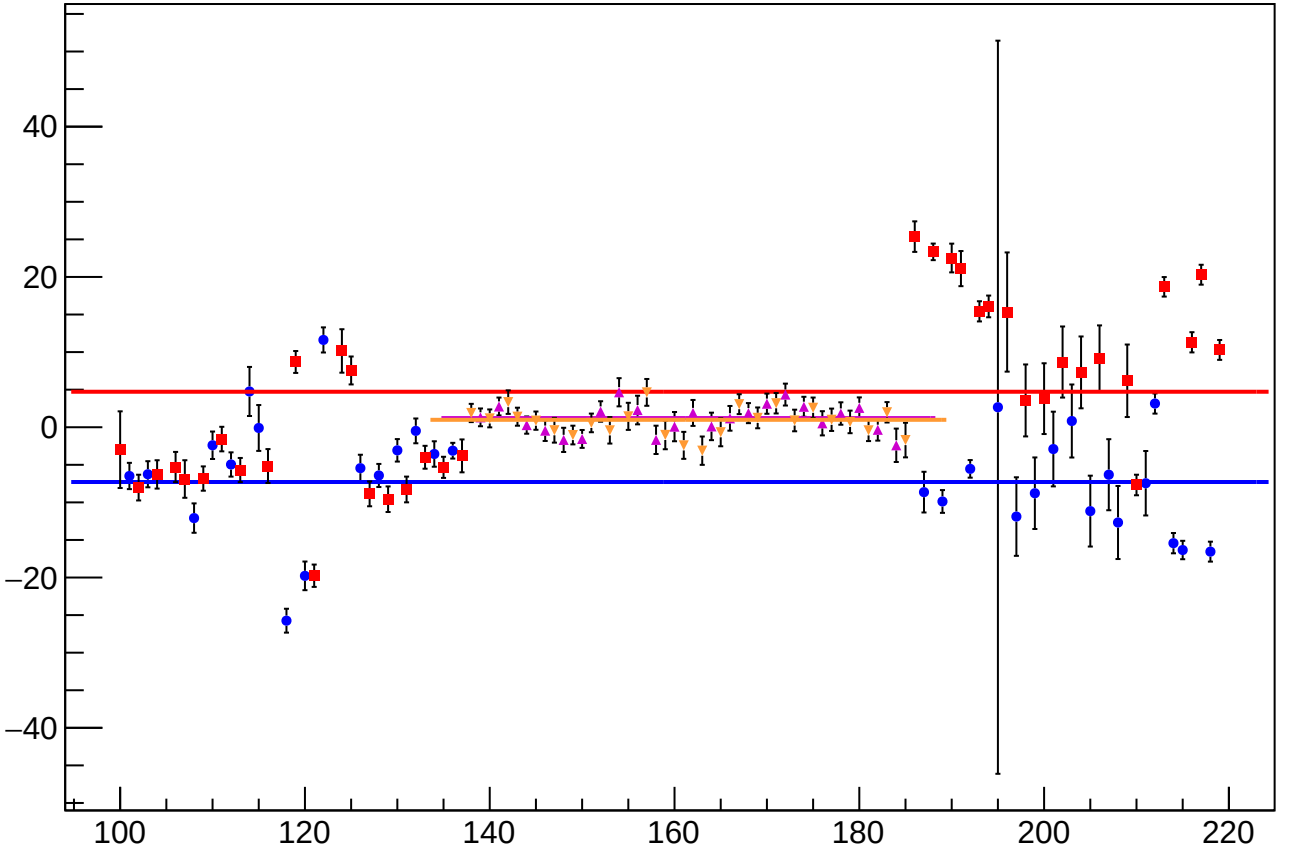
In: -2.214+/-1.141 χ^2/NDF:405.5/54

Out: -3.203+/-1.121 χ^2/NDF:633.2/61

All: -2.717+/-0.800 χ^2/NDF: 1039.1/116


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: 5933.633+/-1.005 χ²/NDF: 5099122.1/31
Left Out: 8028.056+/-1.303 χ²/NDF:332457.9/24
Right Out: 6138.822+/-0.999 χ²/NDF: 3816645.5/36
Left In: 8095.368+/-1.351 χ²/NDF:367451.5/22
Left: 8060.478+/-0.938 χ²/NDF: 701195.2/47
Right: 6036.867+/-0.709 χ²/NDF: 8936731.6/68
In: 6703.578+/-0.807 χ²/NDF:7113831.6/54
Out: 6838.306+/-0.793 χ²/NDF:5473372.7/61
All: 6772.106+/-0.565 χ²/NDF: 12601396.5/1

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -7.287+/-0.322 χ^2/NDF: 599.9/31

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 4.724+/-0.294 χ^2/NDF: 1875.9/36

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

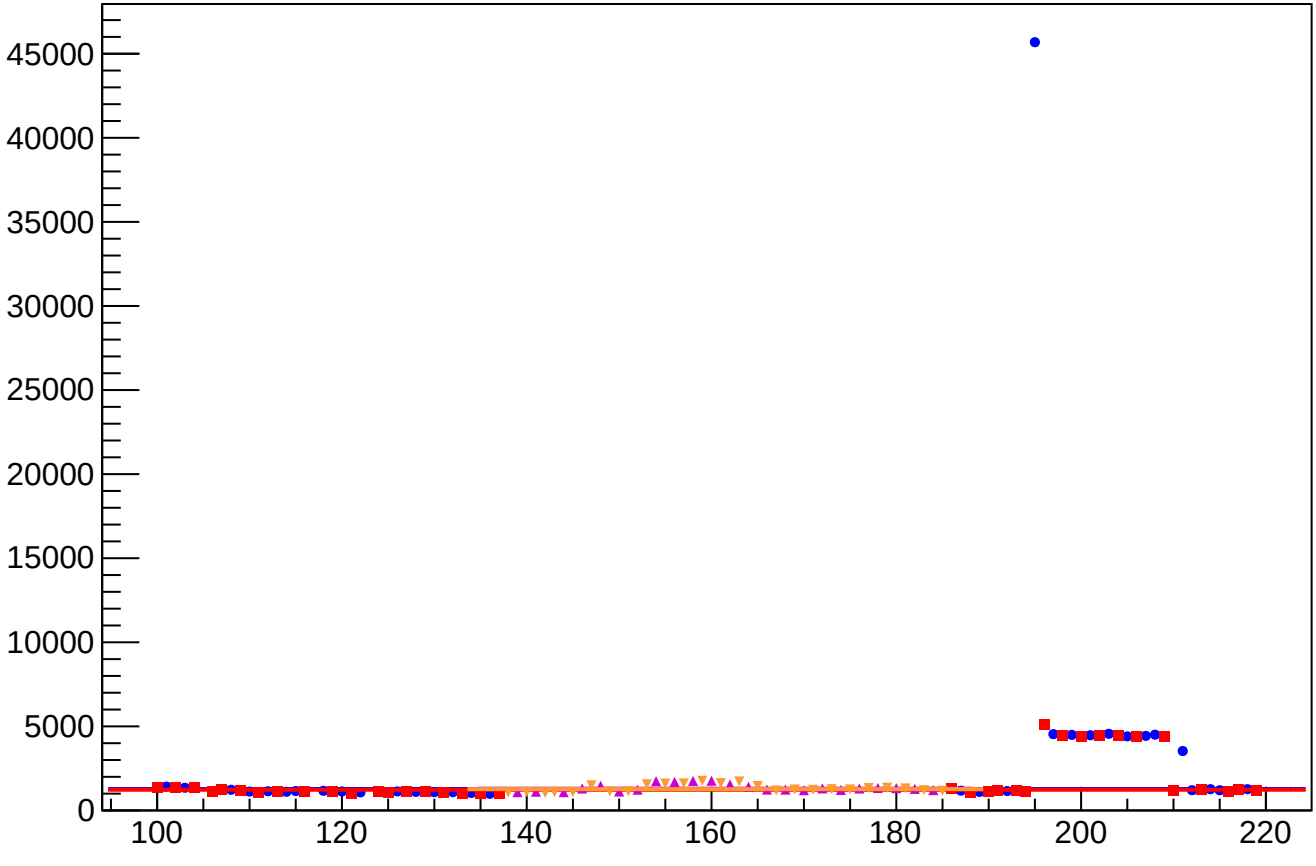
Right: -0.725+/-0.217 χ^2/NDF: 3235.1/68

In: -2.823+/-0.222 χ^2/NDF:998.9/54

Out: 2.848+/-0.207 χ^2/NDF:1988.2/61

All: 0.210+/-0.151 χ^2/NDF: 3335.7/116

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1273.052+/-0.228 χ^2/NDF: 8754471.1/31

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1231.875+/-0.208 χ^2/NDF: 6411409.4/36

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

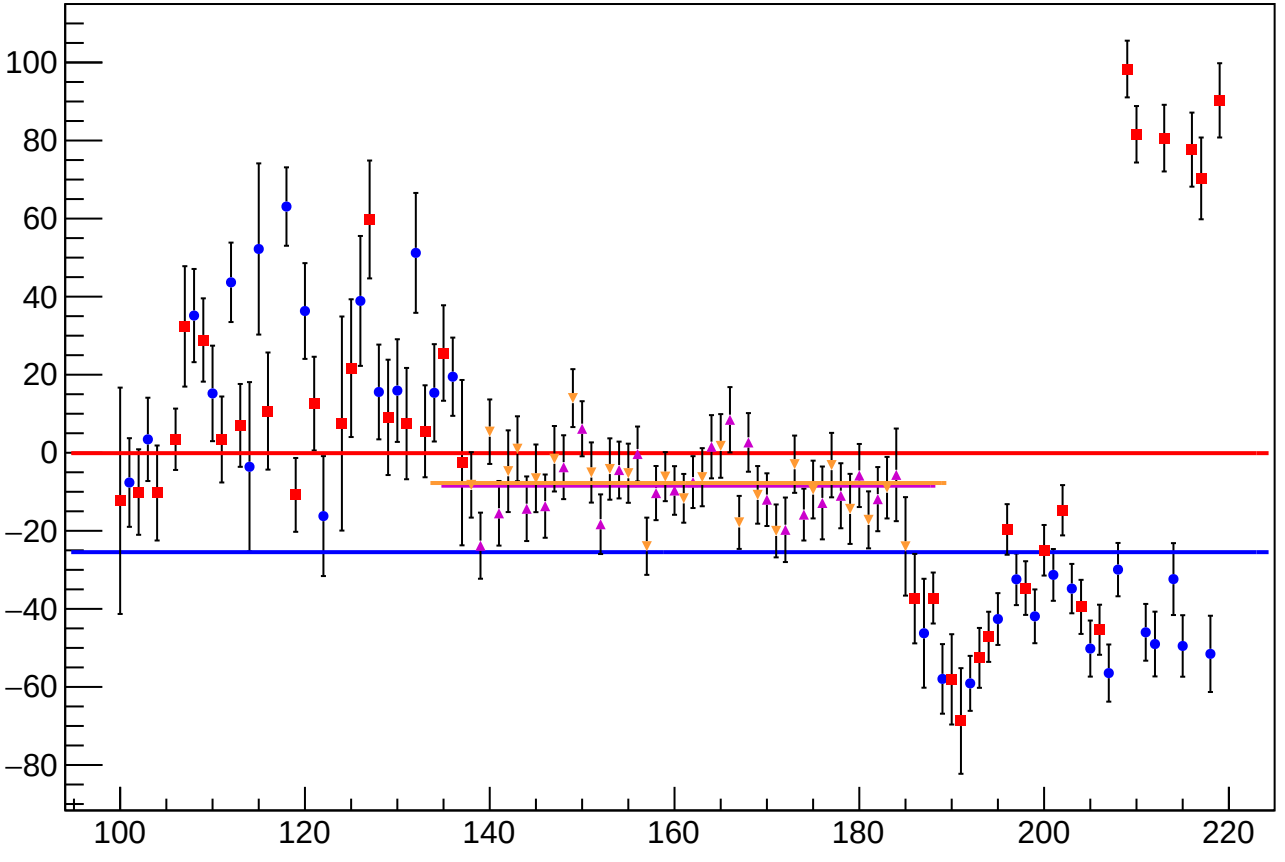
Right: 1250.555+/-0.153 χ^2/NDF: 15183730.2/68

In: 1284.086+/-0.157 χ^2/NDF:9517134.2/54

Out: 1249.714+/-0.146 χ^2/NDF:7304549.7/61

All: 1265.705+/-0.107 χ^2/NDF: 16847301.2/1

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -25.467+/-1.611 χ^2/NDF: 419.6/31

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -0.100+/-1.532 χ^2/NDF: 973.1/36

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

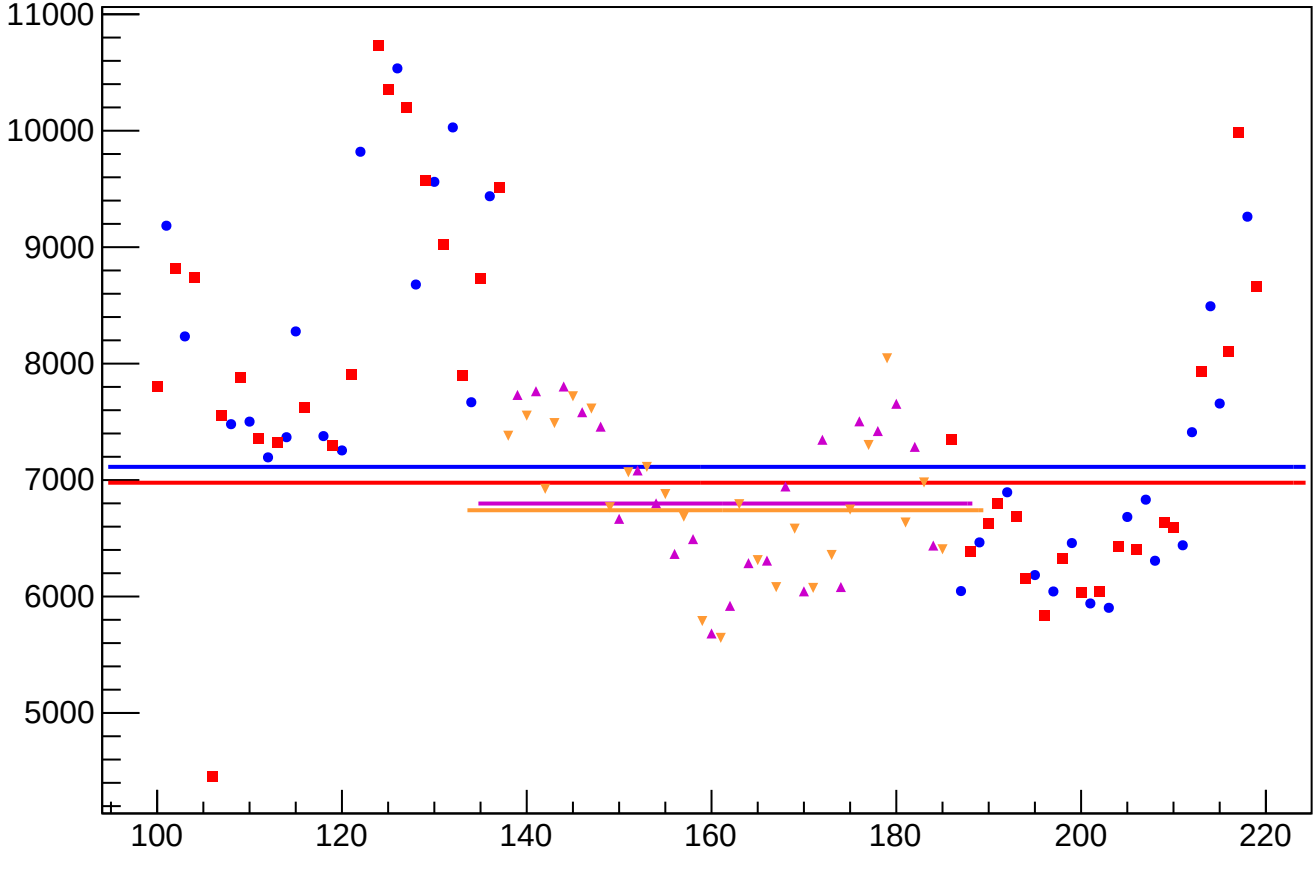
Right: -12.146+/-1.110 χ^2/NDF: 1522.9/68

In: -16.916+/-1.137 χ^2/NDF:500.5/54

Out: -3.891+/-1.089 χ^2/NDF:1015.9/61

All: -10.120+/-0.786 χ^2/NDF: 1584.9/116

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 7113.452+/-1.139 χ^2/NDF: 1010921.4/31

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6977.189+/-1.084 χ^2/NDF: 1271884.8/36

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

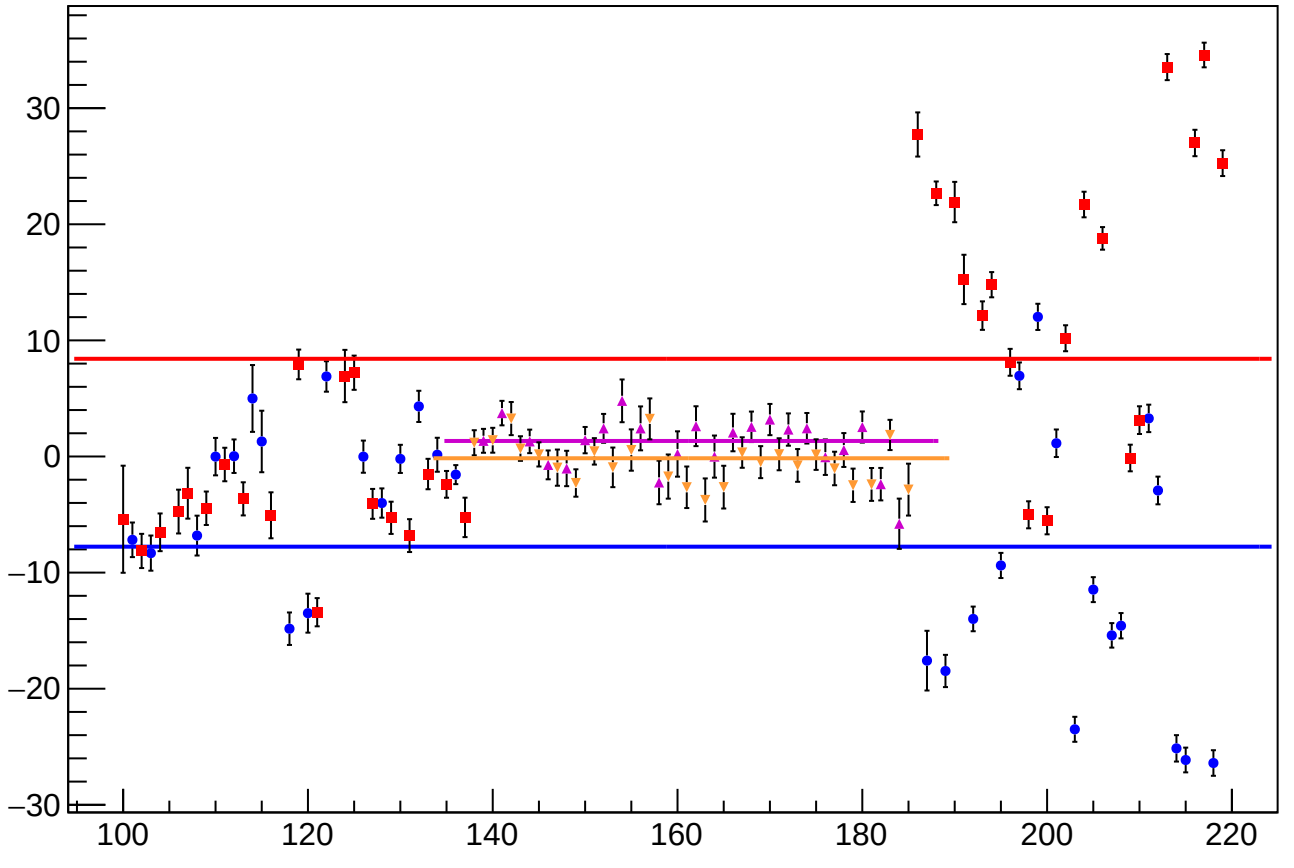
Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

Right: 7041.896+/-0.785 χ^2/NDF: 2290315.9/68

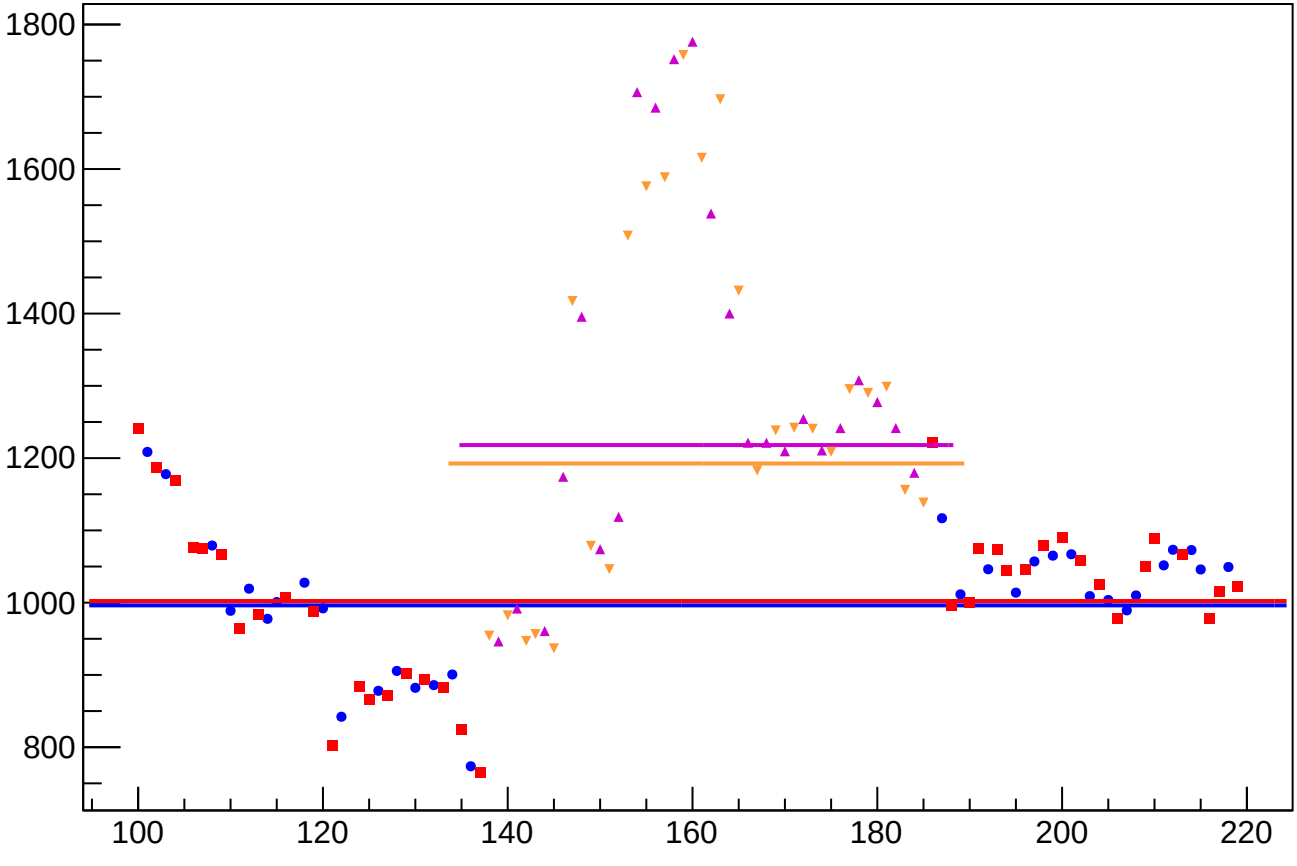
In: 6955.320+/-0.804 χ^2/NDF:1402554.3/54

Out: 6860.103+/-0.770 χ^2/NDF:1612162.4/61

All: 6905.638+/-0.556 χ^2/NDF: 3022034.5/11


diff_bpm0l10Y_mean vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
220
Right In: -7.767+/-0.223 χ²/NDF: 2368.4/31
Left Out: -0.152+/-0.277 χ²/NDF:36.1/24
Right Out: 8.414+/-0.217 χ²/NDF: 4006.0/36
Left In: 1.337+/-0.290 χ²/NDF:44.0/22
Left: 0.557+/-0.200 χ²/NDF: 93.9/47
Right: 0.537+/-0.155 χ²/NDF: 9084.5/68
In: -4.393+/-0.177 χ²/NDF:3032.1/54
Out: 5.154+/-0.171 χ²/NDF:4635.7/61
All: 0.545+/-0.123 χ²/NDF: 9178.4/116

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 996.257+/-0.157 χ^2/NDF: 376790.6/31

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 1002.296+/-0.153 χ^2/NDF: 384142.2/36

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

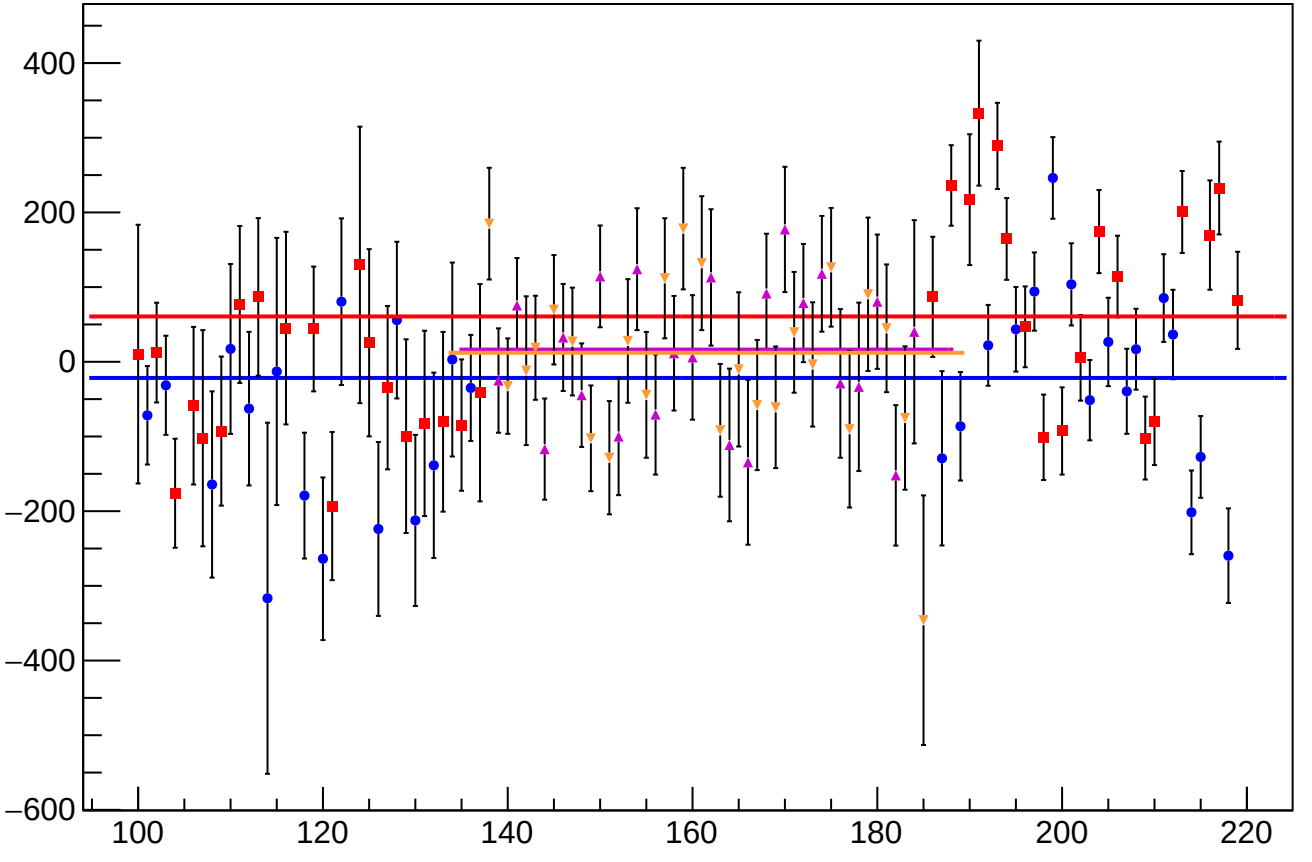
Right: 999.356+/-0.110 χ^2/NDF: 761687.7/68

In: 1078.468+/-0.125 χ^2/NDF:2240190.0/54

Out: 1074.701+/-0.121 χ^2/NDF:2290233.8/61

All: 1076.520+/-0.087 χ^2/NDF: 4530894.2/11

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -21.606+/-12.589 χ^2/NDF: 92.1/31

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: 60.714+/-12.284 χ^2/NDF: 124.3/36

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

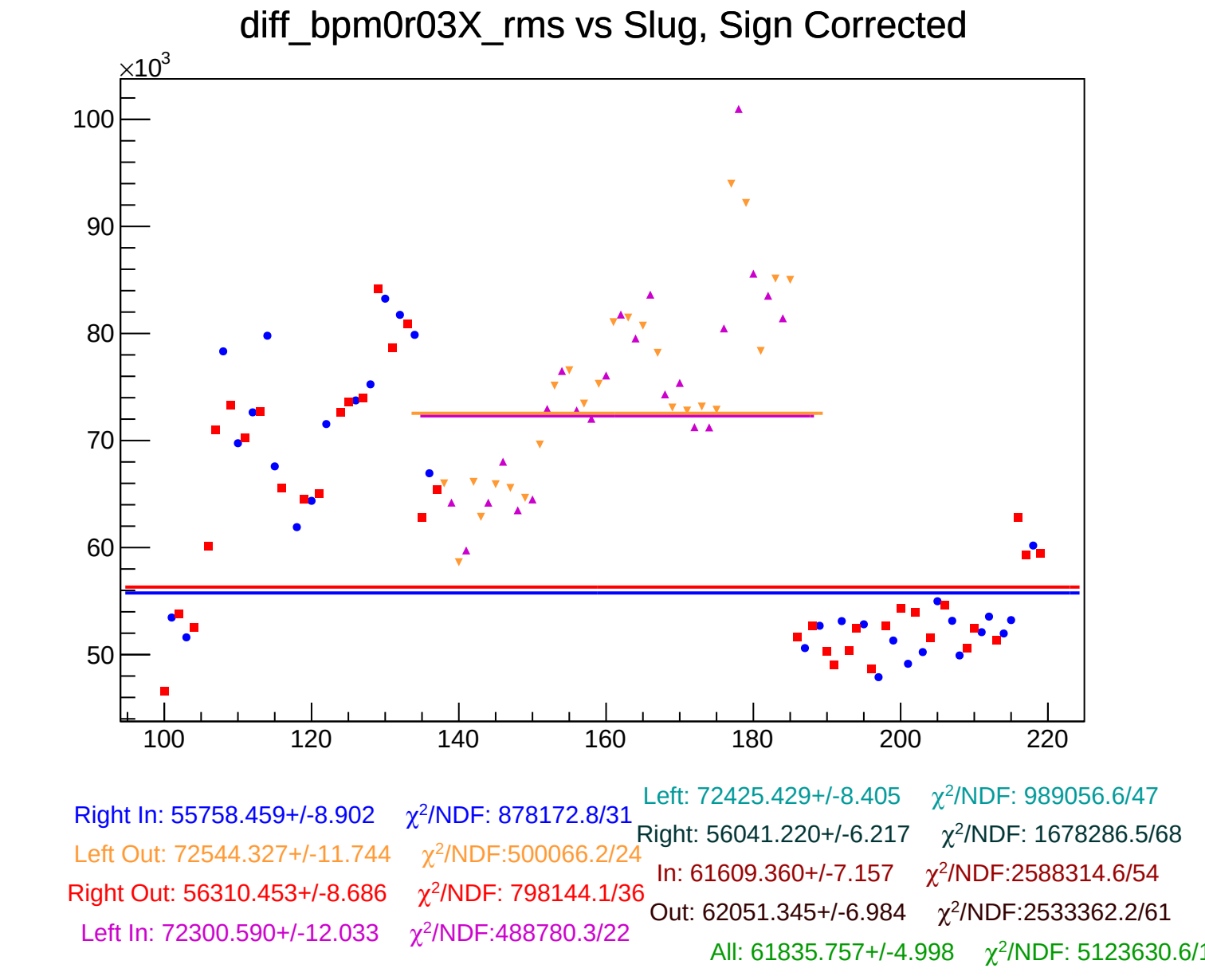
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 20.563+/-8.792 χ^2/NDF: 238.3/68

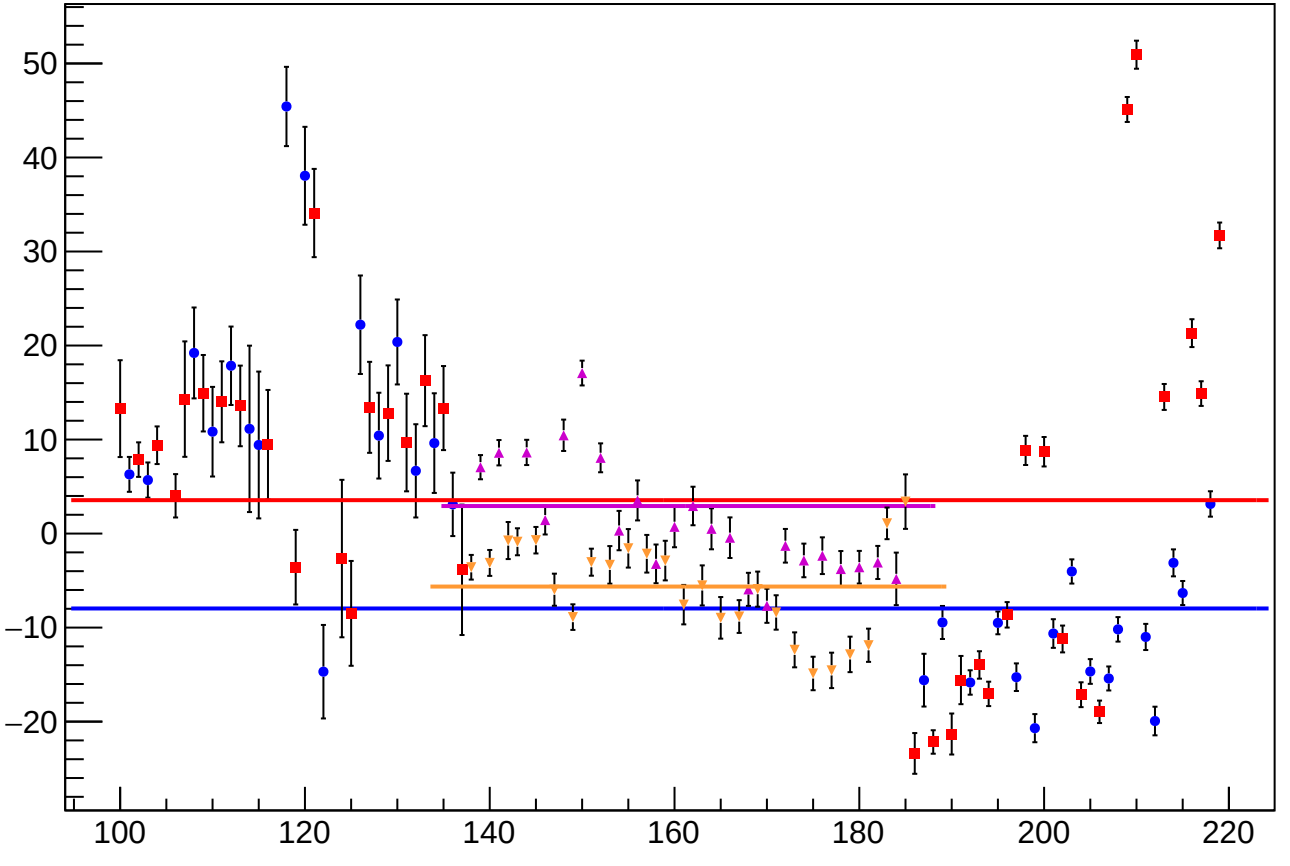
In: -8.185+/-10.121 χ^2/NDF:124.0/54

Out: 43.516+/-9.876 χ^2/NDF:162.6/61

All: 18.298+/-7.068 χ^2/NDF: 300.0/116


diff_bpm0r03X_rms vs Slug, Sign Corrected
×10^3
100
90
80
70
60
50
100
120
140
160
180
200
220
Right In: 55758.459+/-8.902 χ²/NDF: 878172.8/31
Left Out: 72544.327+/-11.744 χ²/NDF:500066.2/24
Right Out: 56310.453+/-8.686 χ²/NDF: 798144.1/36
Left In: 72300.590+/-12.033 χ²/NDF:488780.3/22
Left: 72425.429+/-8.405 χ²/NDF: 989056.6/47
Right: 56041.220+/-6.217 χ²/NDF: 1678286.5/68
In: 61609.360+/-7.157 χ²/NDF:2588314.6/54
Out: 62051.345+/-6.984 χ²/NDF:2533362.2/61
All: 61835.757+/-4.998 χ²/NDF: 5123630.6/1

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -7.967+/-0.329 χ^2/NDF: 933.3/31

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: 3.553+/-0.318 χ^2/NDF: 4776.5/36

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

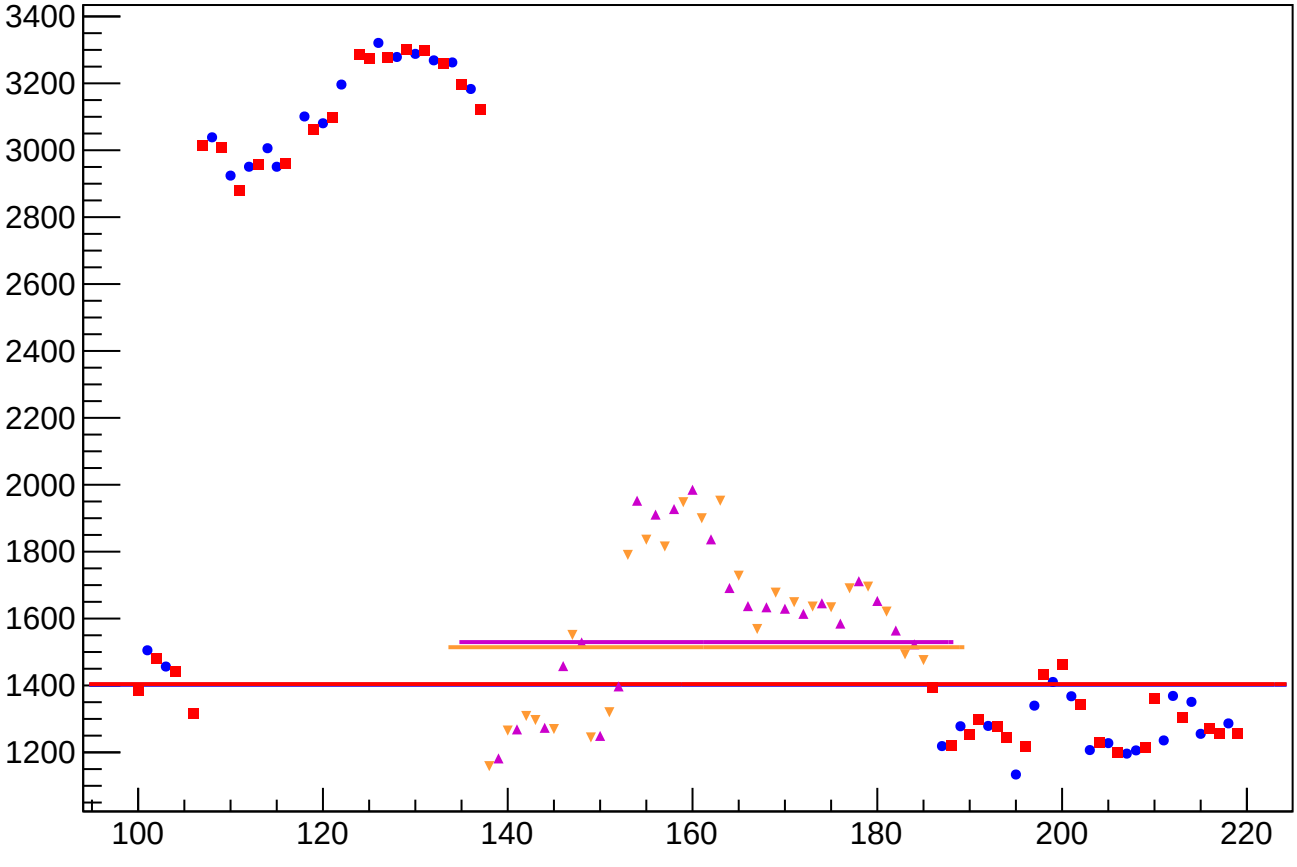
Right: -2.001+/-0.229 χ^2/NDF: 6343.8/68

In: -3.038+/-0.244 χ^2/NDF:1766.0/54

Out: -0.610+/-0.235 χ^2/NDF:5333.8/61

All: -1.780+/-0.169 χ^2/NDF: 7151.2/116

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1402.176+/-0.233 χ^2/NDF: 4087492.6/31

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1404.020+/-0.225 χ^2/NDF: 3971998.8/36

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

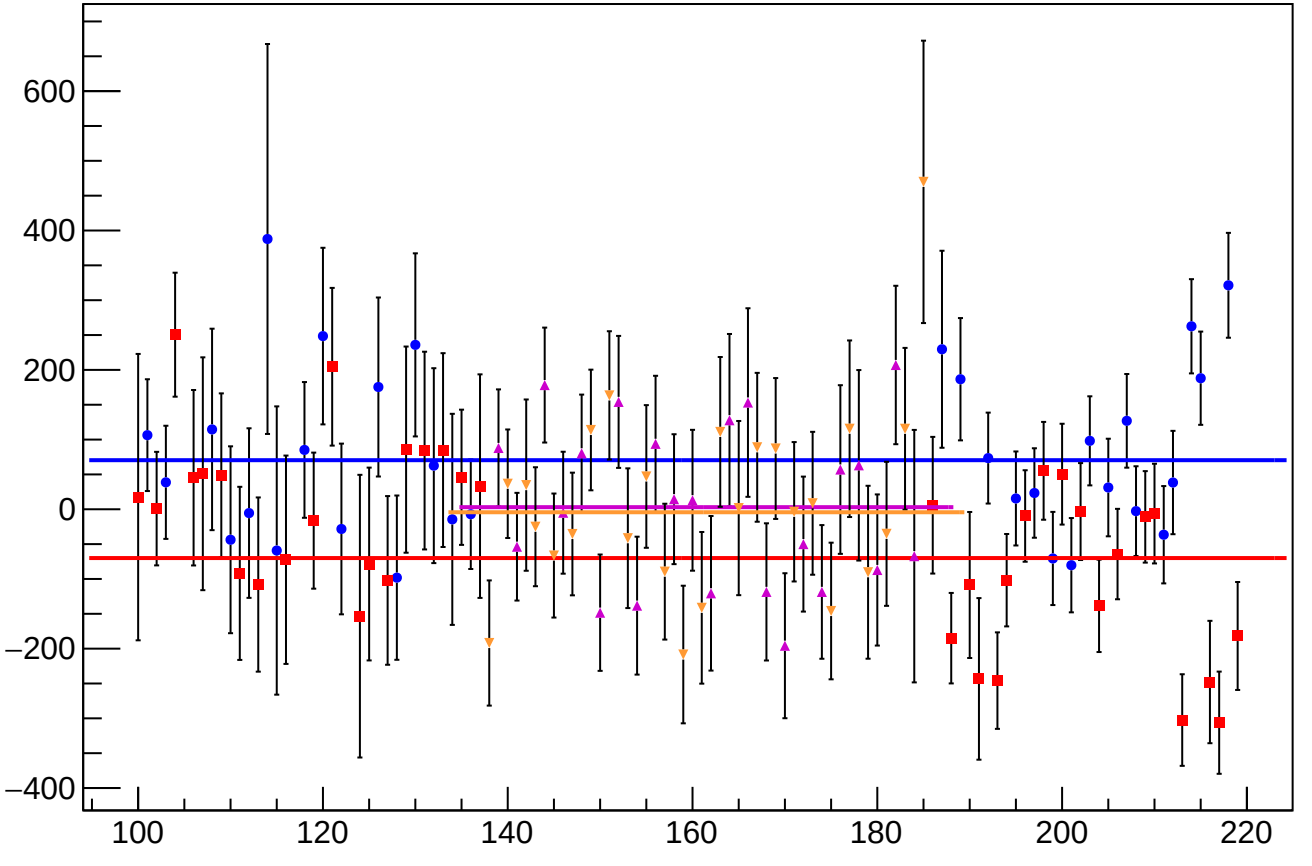
Right: 1403.131+/-0.162 χ^2/NDF: 8059523.8/68

In: 1459.838+/-0.172 χ^2/NDF:5051542.4/54

Out: 1454.000+/-0.166 χ^2/NDF:5014598.4/61

All: 1456.813+/-0.120 χ^2/NDF: 10066735.7/1

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 70.428+/-15.019 χ^2/NDF: 52.4/31

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

Right Out: -70.006+/-14.667 χ^2/NDF: 80.5/36

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

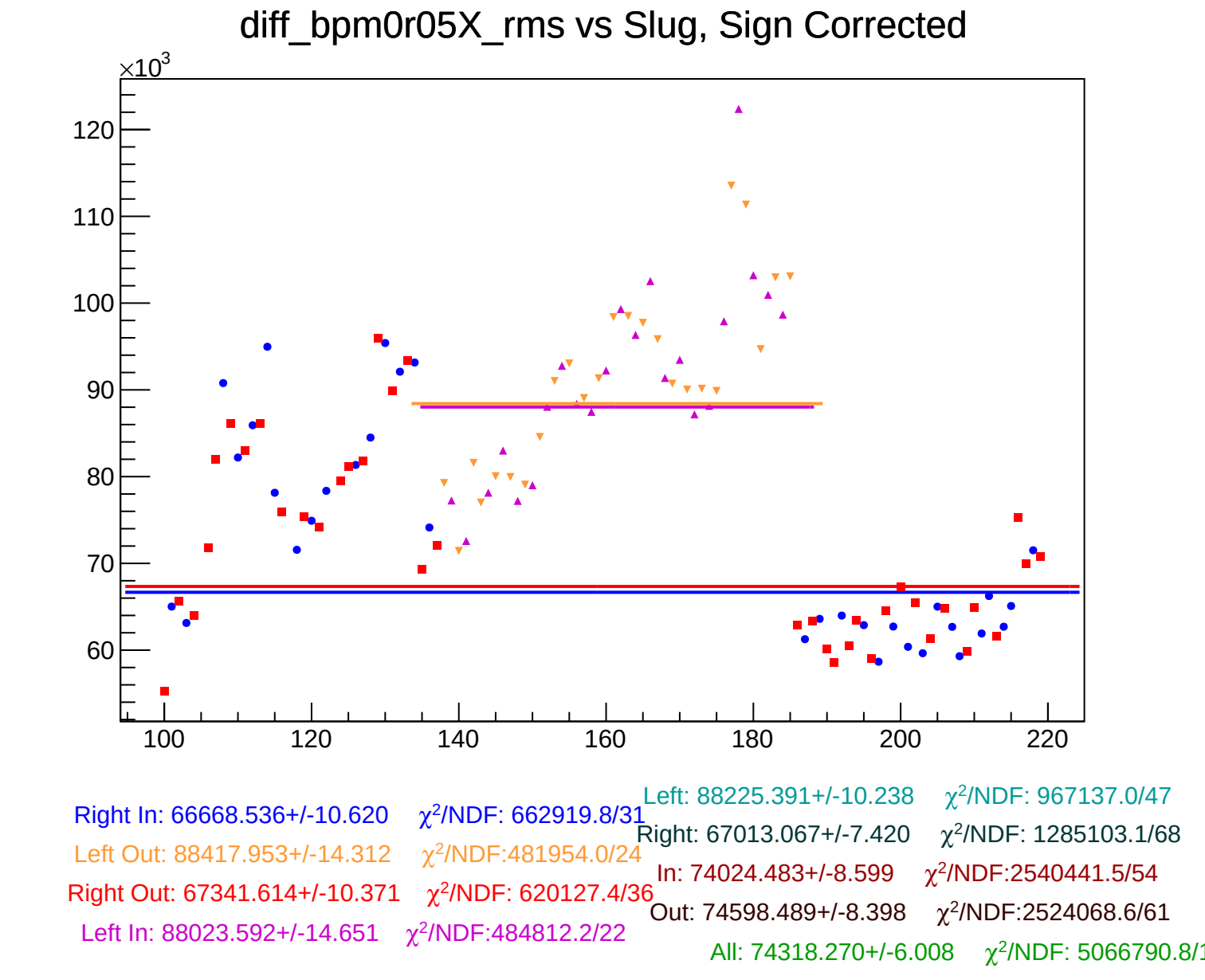
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

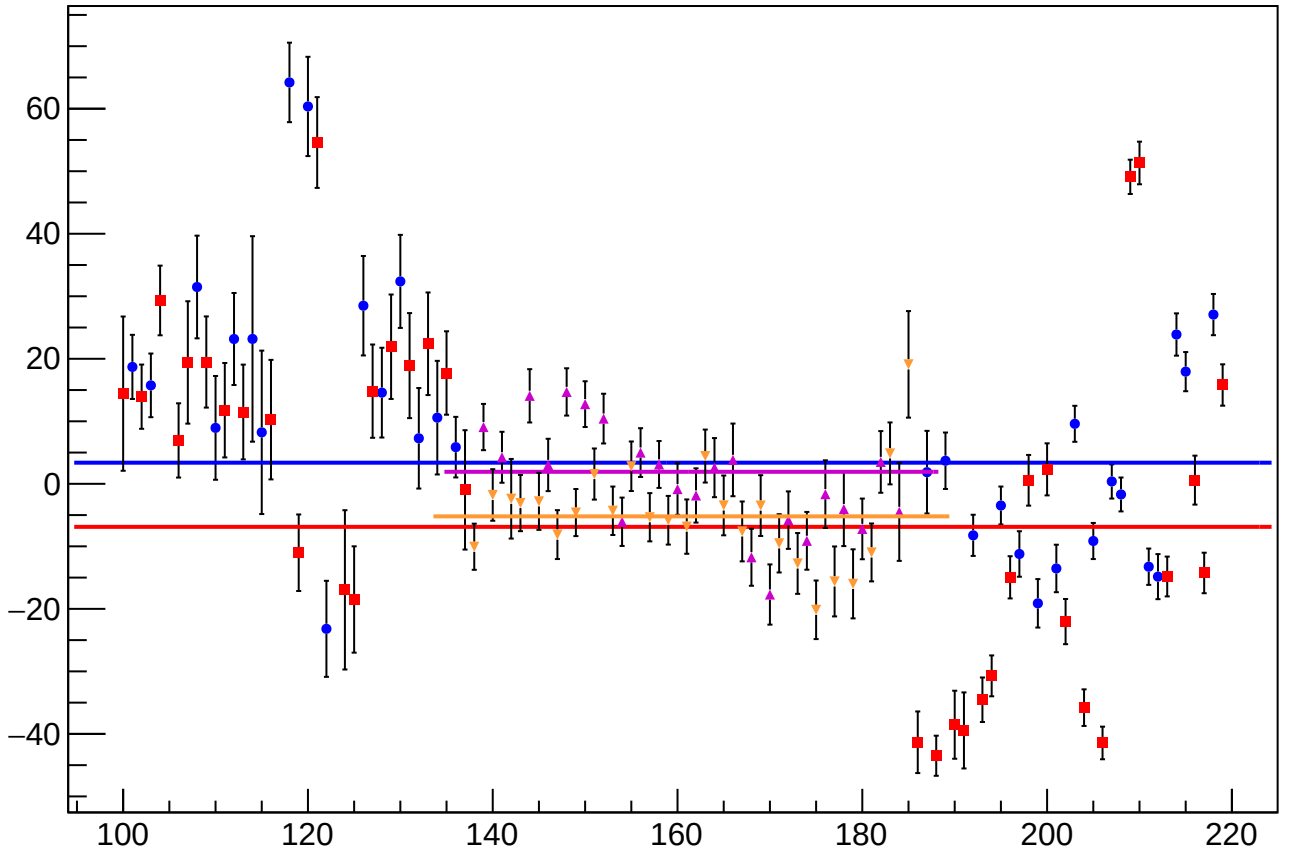
Right: -1.457+/-10.494 χ^2/NDF: 177.7/68

In: 47.207+/-12.161 χ^2/NDF:90.1/54

Out: -47.374+/-11.876 χ^2/NDF:117.9/61

All: -1.201+/-8.497 χ^2/NDF: 238.9/116


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
120
140
160
180
200
220
Right In: 66668.536+/-10.620 χ²/NDF: 662919.8/31
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 67341.614+/-10.371 χ²/NDF: 620127.4/36
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 67013.067+/-7.420 χ²/NDF: 1285103.1/68
In: 74024.483+/-8.599 χ²/NDF:2540441.5/54
Out: 74598.489+/-8.398 χ²/NDF:2524068.6/61
All: 74318.270+/-6.008 χ²/NDF: 5066790.8/1



Right In: 3.381+/-0.748 χ^2/NDF: 503.3/31

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -6.882+/-0.740 χ^2/NDF: 1664.0/36

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

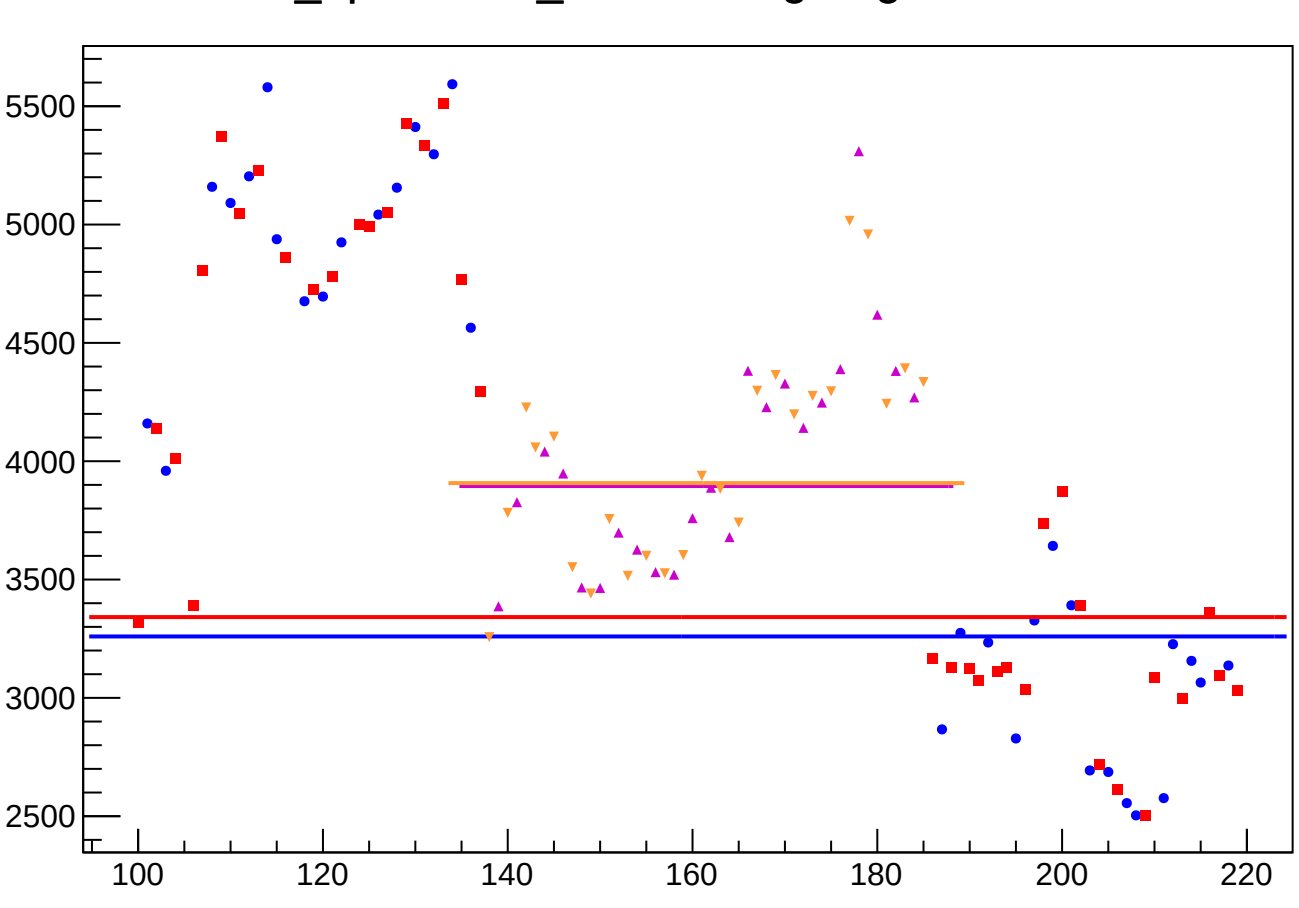
Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

Right: -1.810+/-0.526 χ^2/NDF: 2262.4/68

In: 2.798+/-0.580 χ^2/NDF:588.0/54

Out: -6.201+/-0.570 χ^2/NDF:1717.1/61

All: -1.777+/-0.406 χ^2/NDF: 2427.7/116



Right In: 3259.521+/-0.529 χ^2/NDF: 2225028.4/31

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3341.408+/-0.523 χ^2/NDF: 2036514.1/36

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

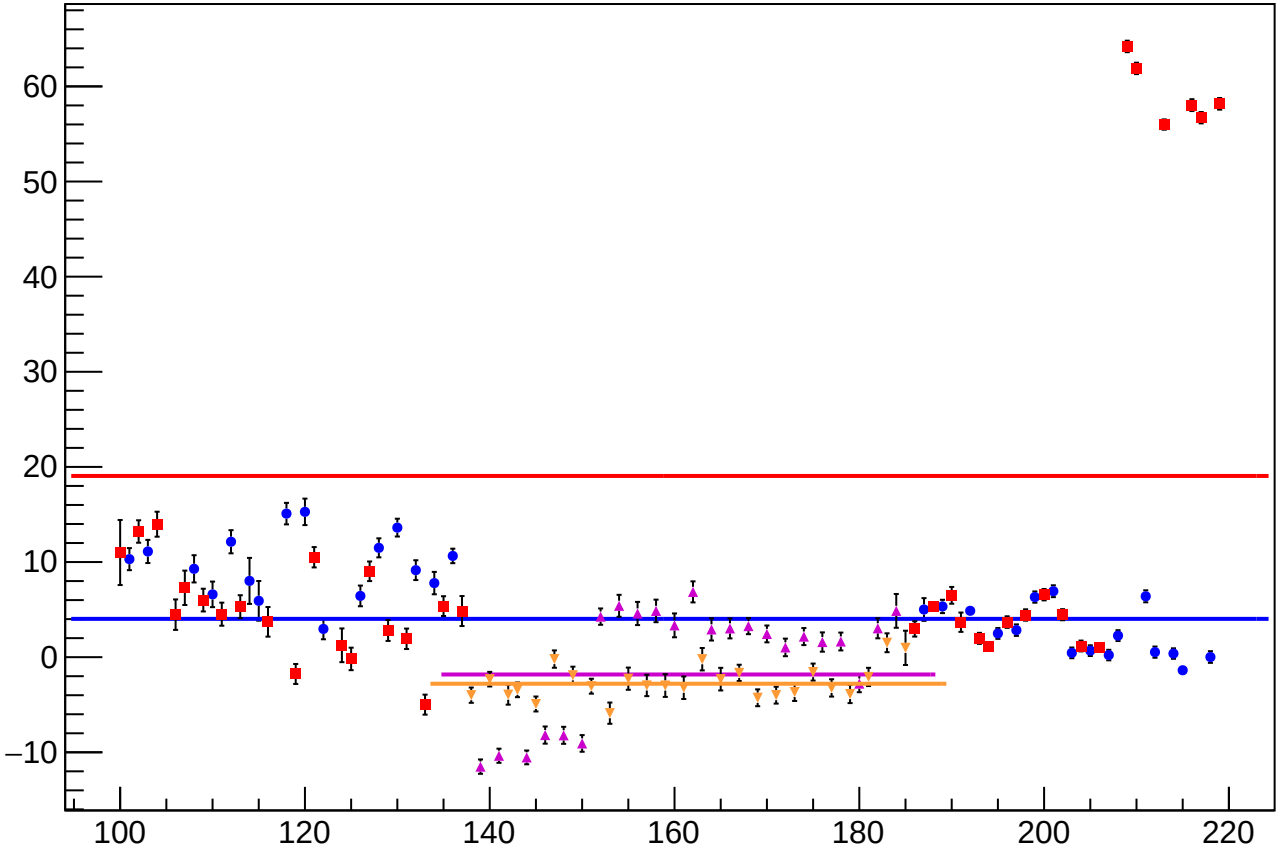
Right: 3300.936+/-0.372 χ^2/NDF: 4273659.4/68

In: 3513.774+/-0.410 χ^2/NDF:3212319.5/54

Out: 3571.462+/-0.403 χ^2/NDF:2953830.1/61

All: 3543.104+/-0.287 χ^2/NDF: 6176225.6/11

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 4.027+/-0.132 χ^2/NDF: 991.7/31

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 19.050+/-0.128 χ^2/NDF: 38134.9/36

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

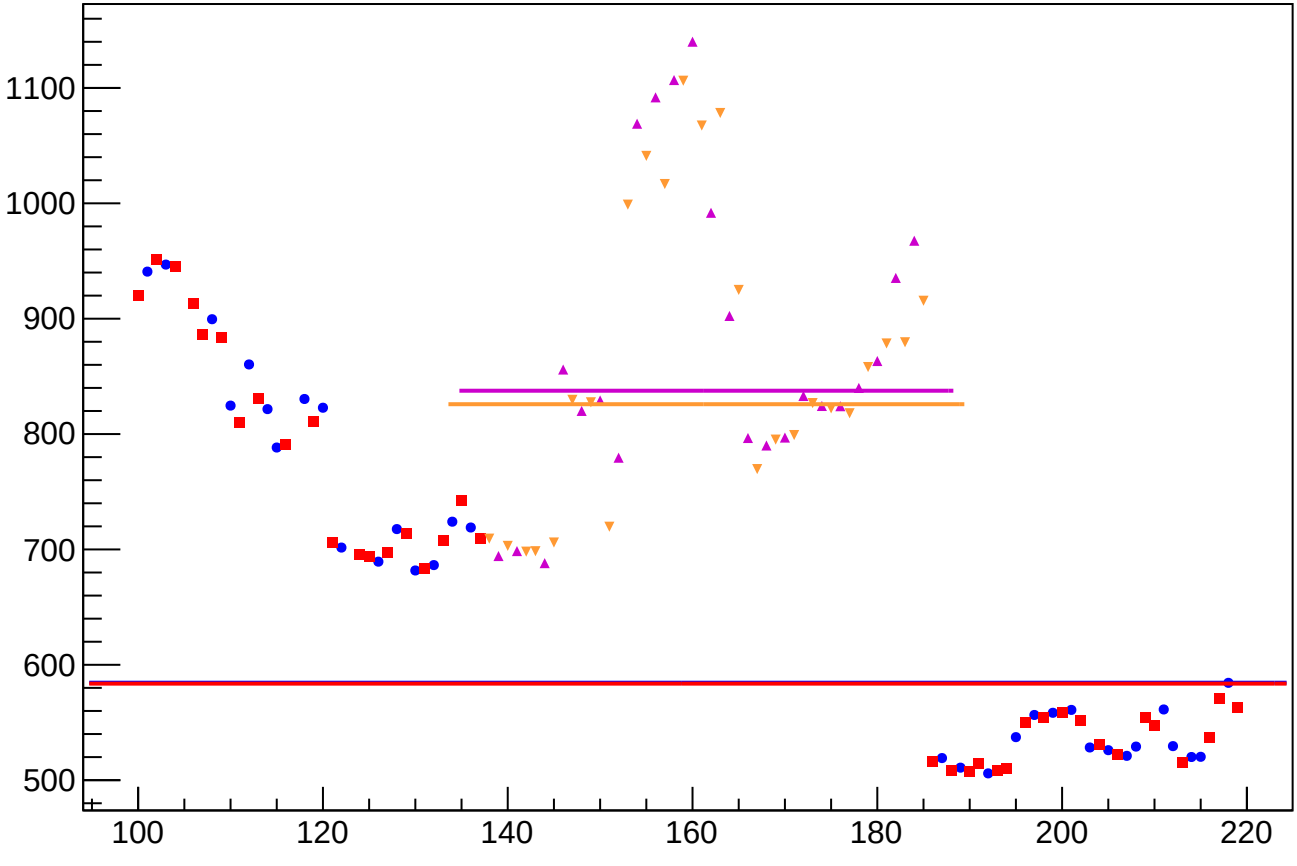
Right: 11.791+/-0.092 χ^2/NDF: 45806.3/68

In: 2.227+/-0.110 χ^2/NDF:2620.4/54

Out: 12.252+/-0.106 χ^2/NDF:47299.1/61

All: 7.421+/-0.076 χ^2/NDF: 54226.4/116

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 584.483+/-0.093 χ^2/NDF: 1291842.7/31

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 583.691+/-0.090 χ^2/NDF: 1400539.1/36

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

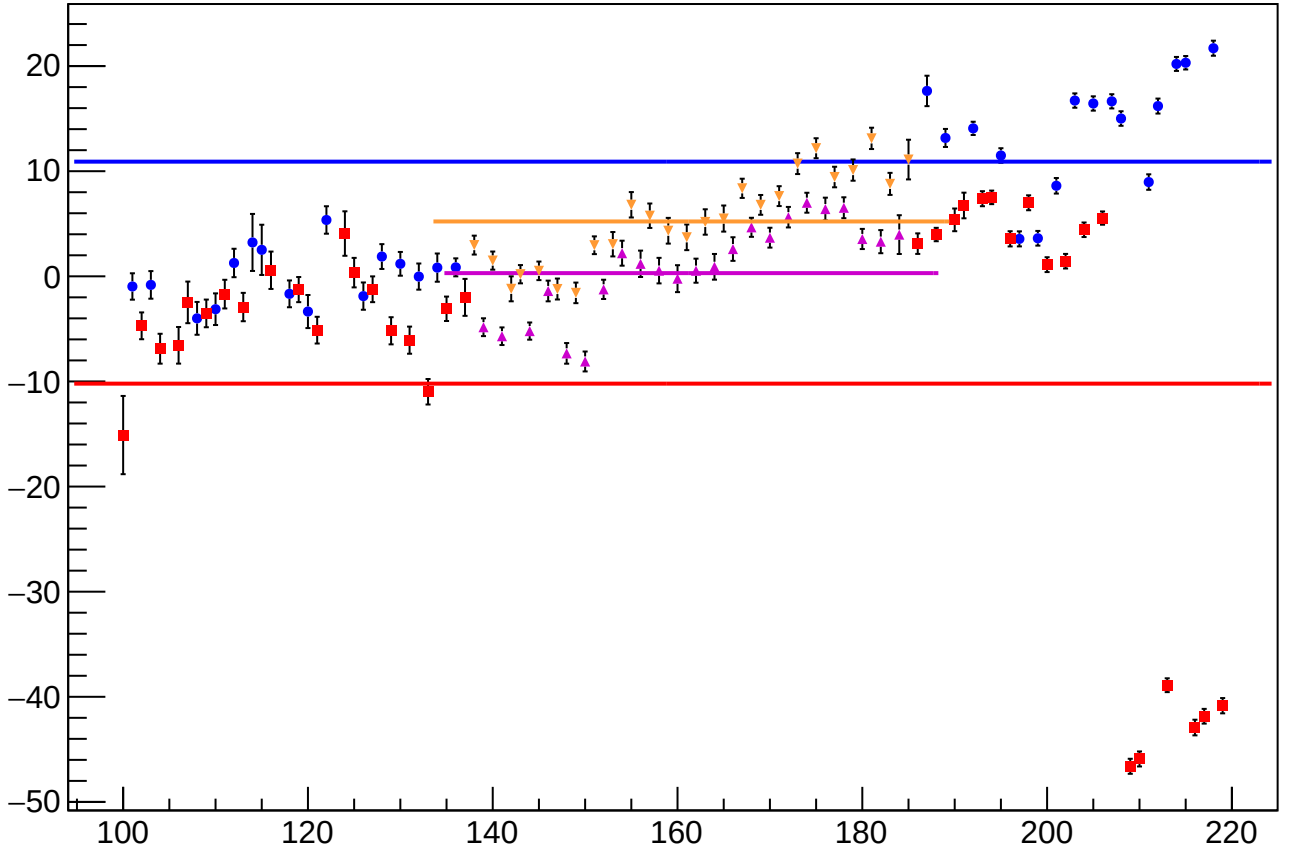
Right: 584.074+/-0.065 χ^2/NDF: 2692418.9/68

In: 662.382+/-0.078 χ^2/NDF:4264056.9/54

Out: 659.072+/-0.075 χ^2/NDF:4402167.7/61

All: 660.667+/-0.054 χ^2/NDF: 8667164.0/116

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 10.909+/-0.157 χ^2/NDF: 2339.4/31

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -10.209+/-0.152 χ^2/NDF: 18232.5/36

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

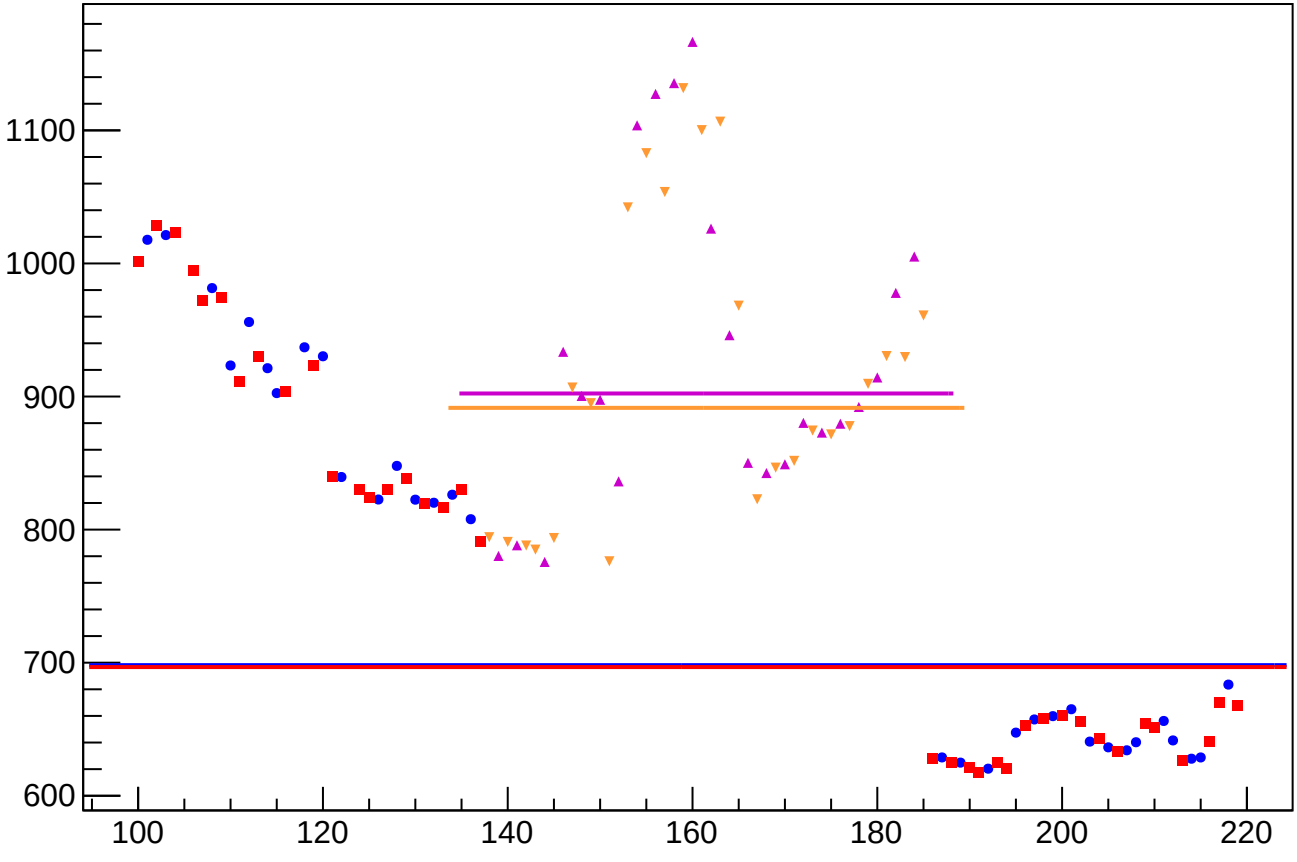
Right: -0.013+/-0.109 χ^2/NDF: 29907.5/68

In: 7.162+/-0.126 χ^2/NDF:4442.6/54

Out: -4.721+/-0.122 χ^2/NDF:22354.1/61

All: 1.005+/-0.088 χ^2/NDF: 31375.6/116

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 698.148+/-0.111 χ^2/NDF: 949595.5/31

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 696.708+/-0.107 χ^2/NDF: 1031488.8/36

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

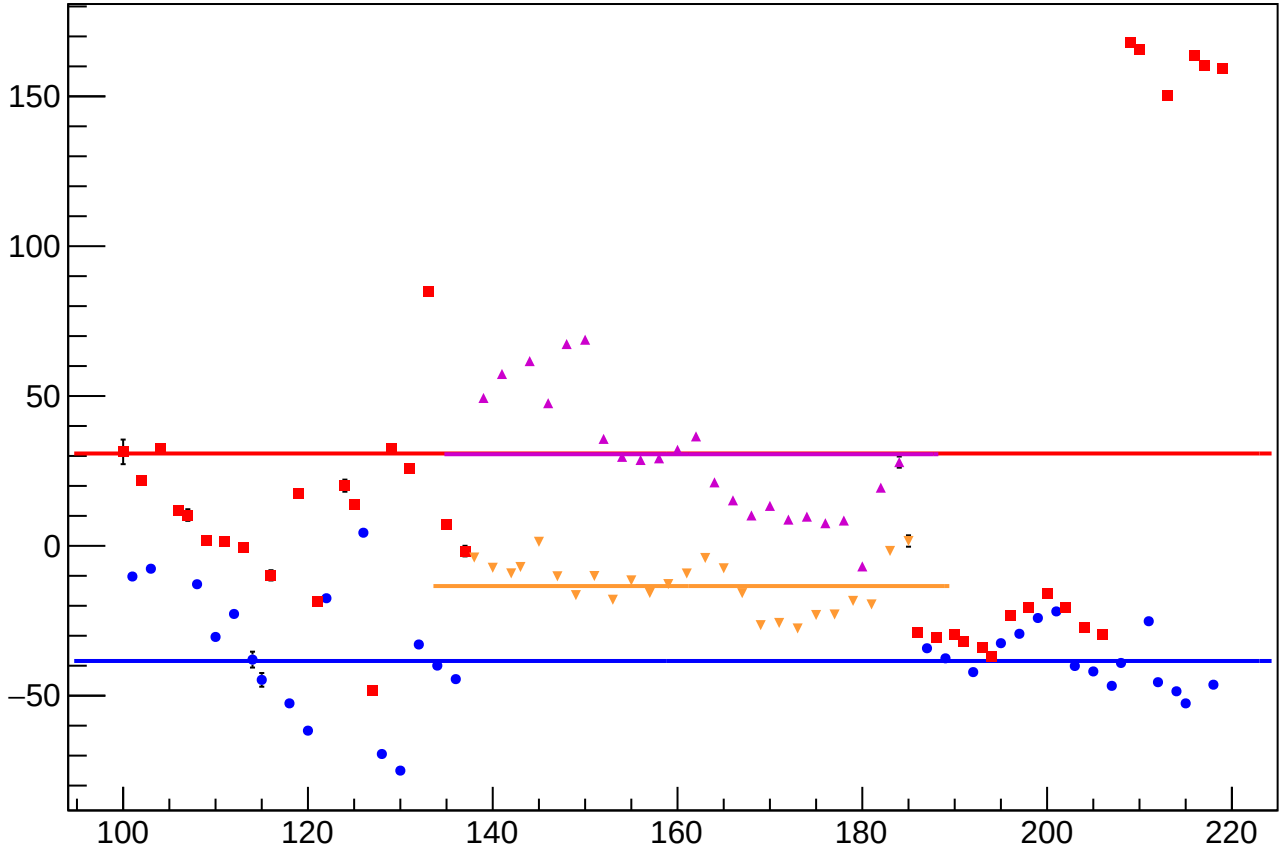
Right: 697.403+/-0.077 χ^2/NDF: 1981171.1/68

In: 770.271+/-0.089 χ^2/NDF:2626434.4/54

Out: 766.003+/-0.086 χ^2/NDF:2719732.2/61

All: 768.060+/-0.062 χ^2/NDF: 5347348.2/116

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -38.420+/-0.155 χ^2/NDF: 7825.0/31

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 30.821+/-0.150 χ^2/NDF: 286922.4/36

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

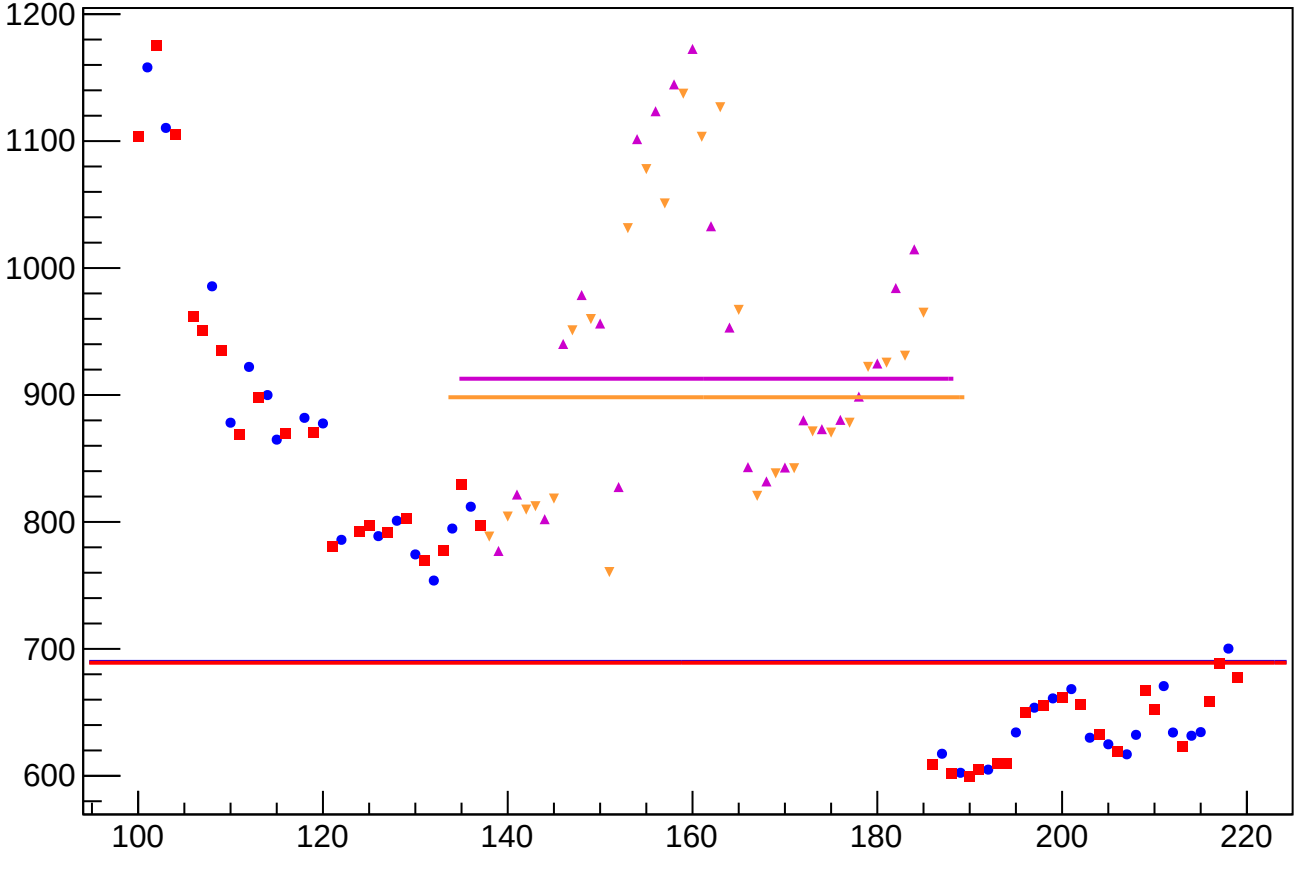
Right: -2.644+/-0.108 χ^2/NDF: 397409.7/68

In: -14.783+/-0.126 χ^2/NDF:85794.3/54

Out: 15.456+/-0.121 χ^2/NDF:318703.4/61

All: 0.895+/-0.087 χ^2/NDF: 434386.0/116

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 689.750+/-0.110 χ^2/NDF: 989609.3/31

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 689.113+/-0.106 χ^2/NDF: 1063574.1/36

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

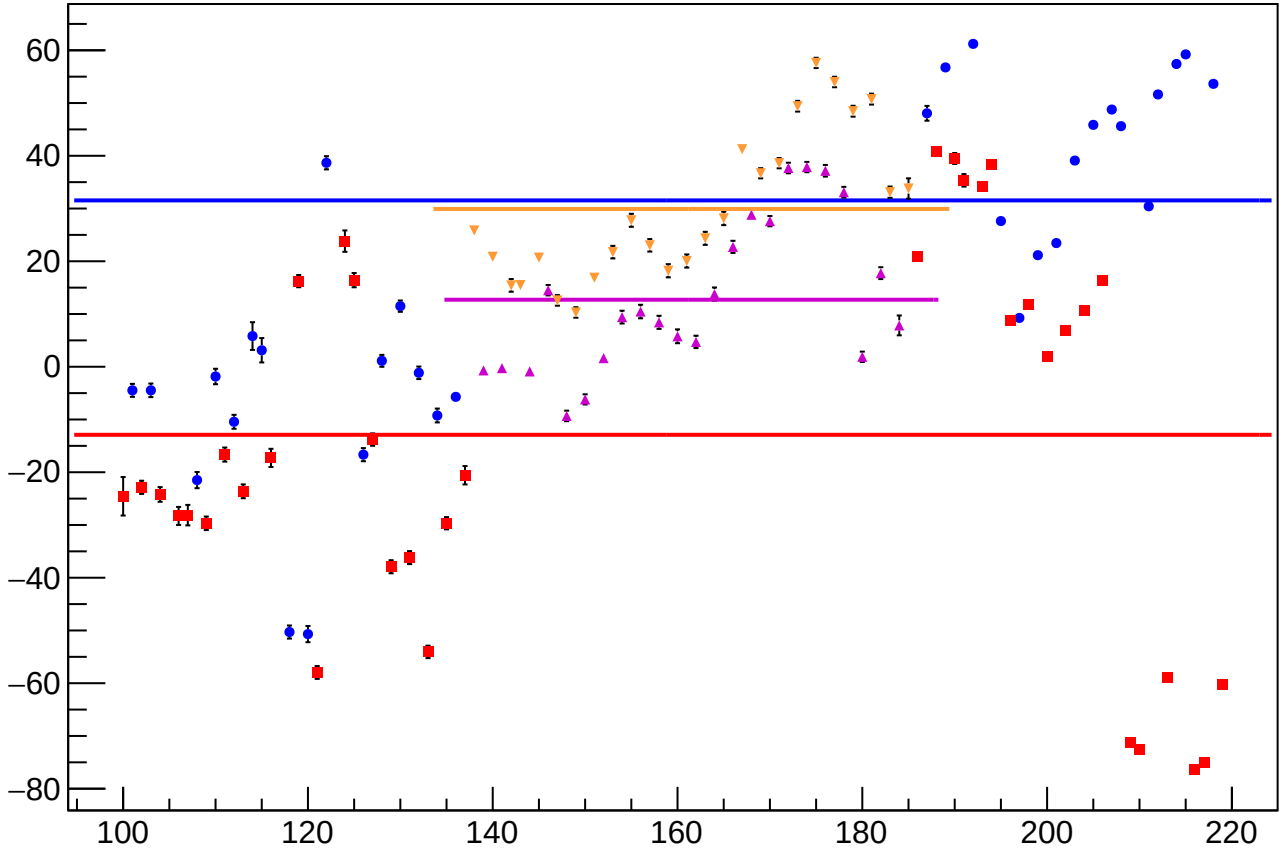
Right: 689.421+/-0.076 χ^2/NDF: 2053200.8/68

In: 766.173+/-0.089 χ^2/NDF:2882650.9/54

Out: 761.739+/-0.086 χ^2/NDF:2927713.9/61

All: 763.874+/-0.062 χ^2/NDF: 5811649.9/116

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 31.539+/-0.153 χ^2/NDF: 29933.4/31

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -12.904+/-0.148 χ^2/NDF: 76642.5/36

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

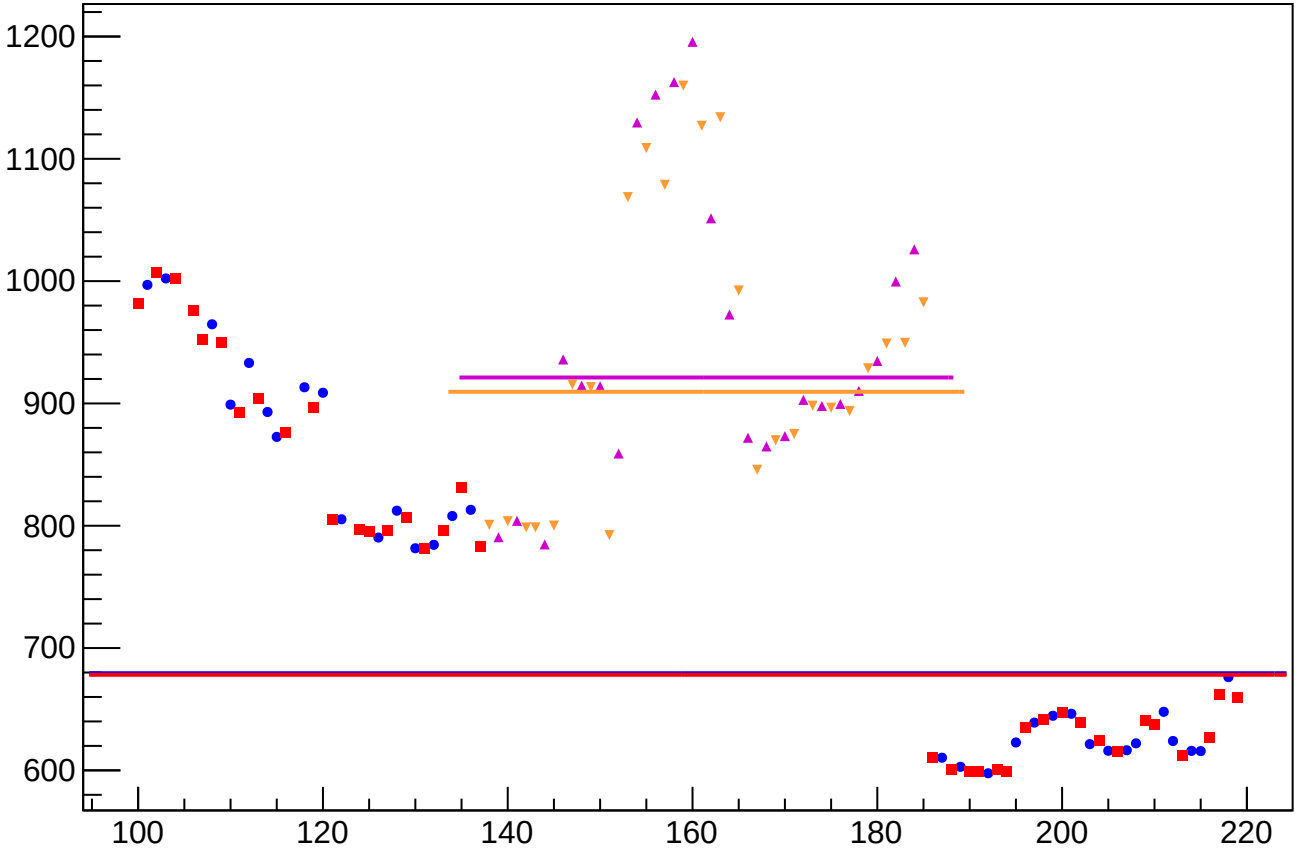
Right: 8.557+/-0.106 χ^2/NDF: 150235.9/68

In: 25.294+/-0.125 χ^2/NDF:39751.7/54

Out: 1.414+/-0.121 χ^2/NDF:109291.5/61

All: 12.921+/-0.087 χ^2/NDF: 167939.6/116

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 679.401+/-0.108 χ^2/NDF: 965826.7/31

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 678.138+/-0.105 χ^2/NDF: 1044538.2/36

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

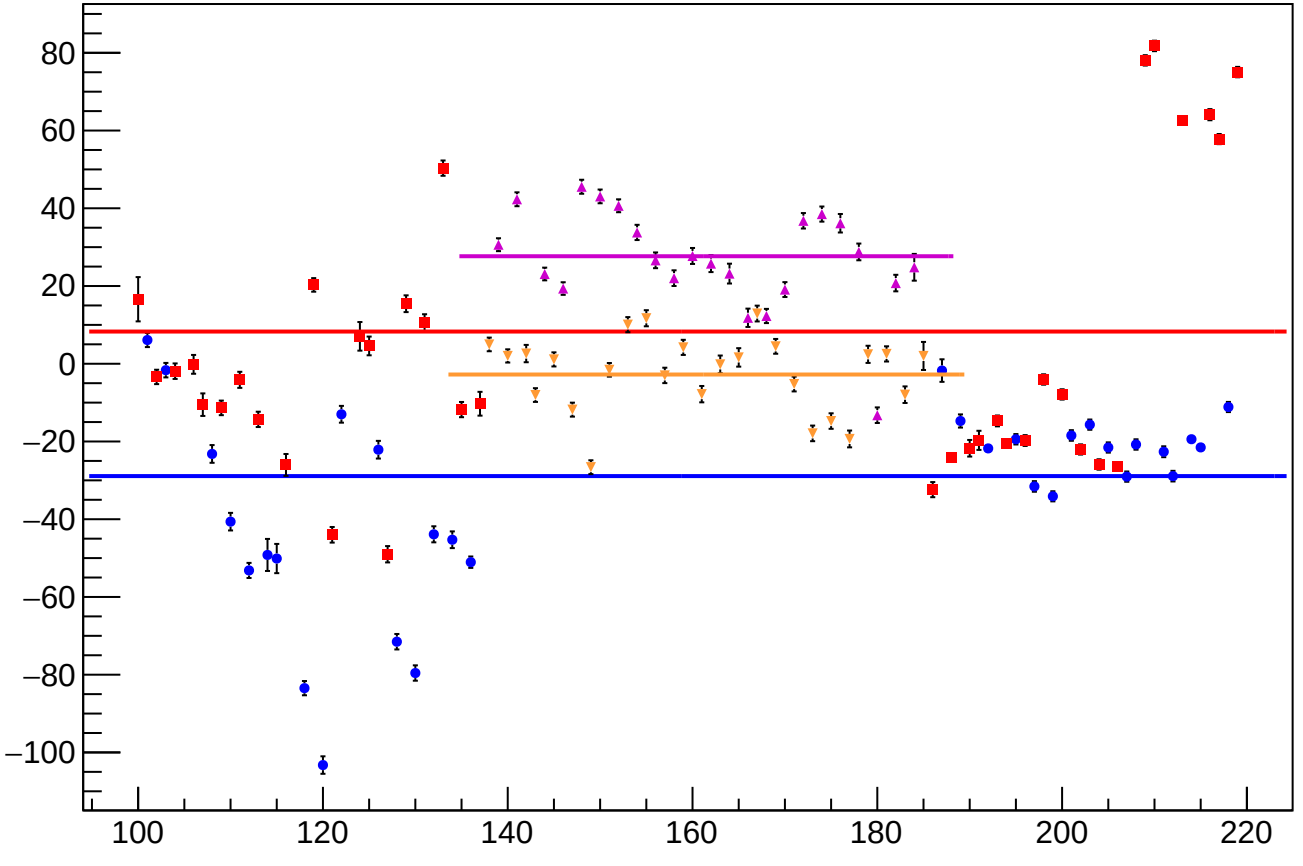
Right: 678.748+/-0.075 χ^2/NDF: 2010435.5/68

In: 759.594+/-0.088 χ^2/NDF:3120862.0/54

Out: 755.504+/-0.085 χ^2/NDF:3225415.0/61

All: 757.475+/-0.061 χ^2/NDF: 6347385.3/116

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -28.901+/-0.287 χ^2/NDF: 5104.0/31

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 8.286+/-0.277 χ^2/NDF: 20328.9/36

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

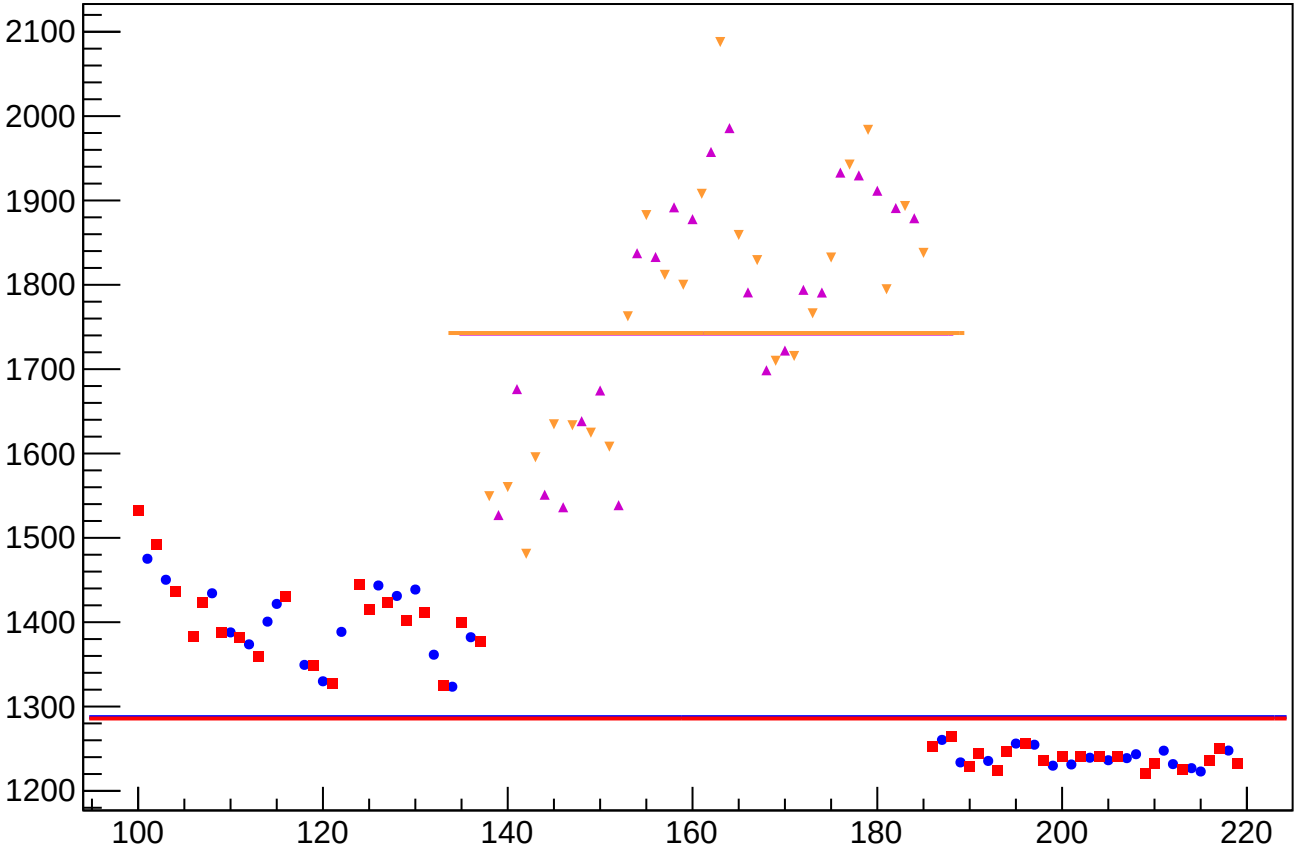
Right: -9.683+/-0.199 χ^2/NDF: 34119.9/68

In: -10.237+/-0.235 χ^2/NDF:18926.4/54

Out: 4.666+/-0.227 χ^2/NDF:21465.3/61

All: -2.549+/-0.163 χ^2/NDF: 42470.1/116

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1287.447+/-0.203 χ^2/NDF: 149267.7/31

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1285.847+/-0.196 χ^2/NDF: 150609.1/36

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

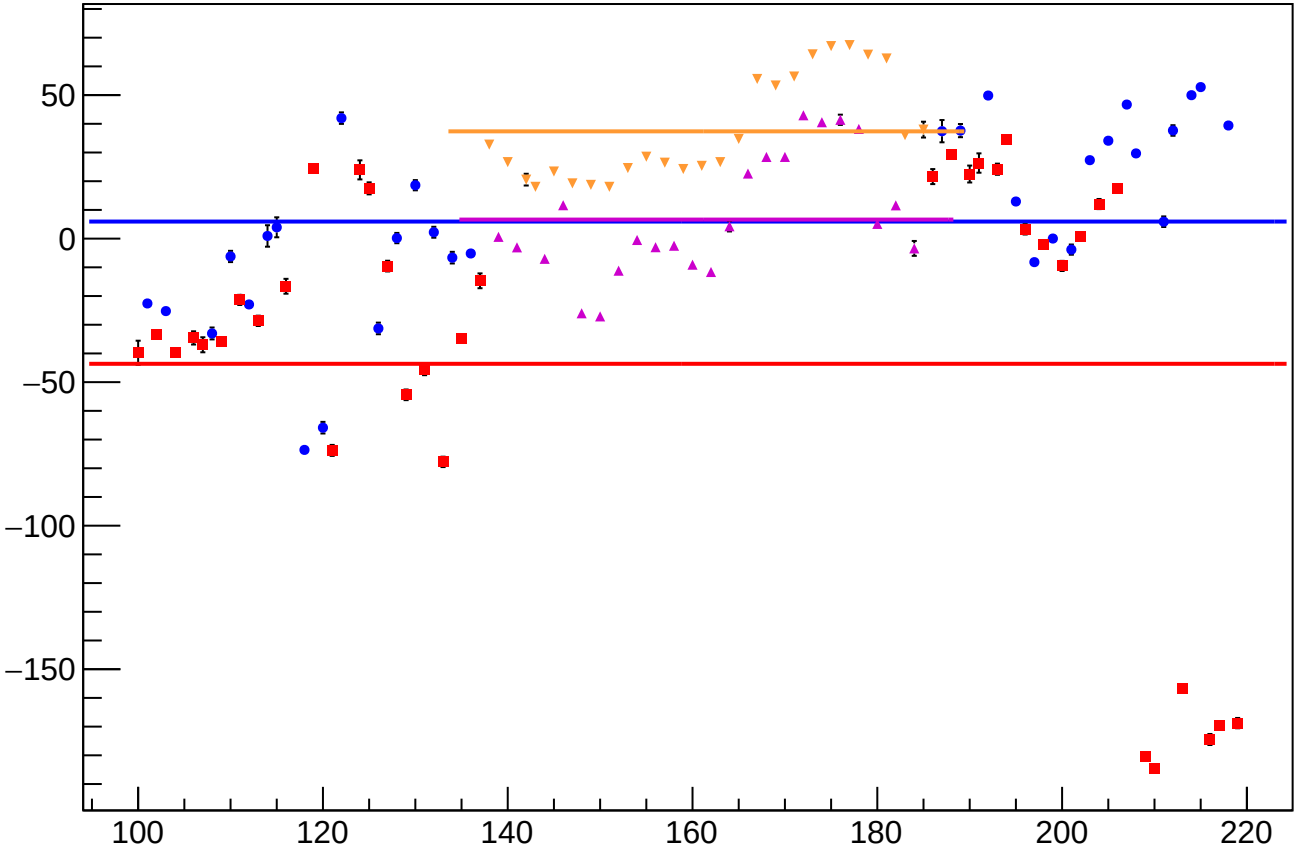
Right: 1286.620+/-0.141 χ^2/NDF: 299908.9/68

In: 1437.485+/-0.166 χ^2/NDF:2069406.8/54

Out: 1435.523+/-0.161 χ^2/NDF:2192226.0/61

All: 1436.472+/-0.116 χ^2/NDF: 4261704.8/11

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: 5.945+/-0.321 χ^2/NDF: 10043.9/31

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -43.611+/-0.311 χ^2/NDF: 49056.0/36

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

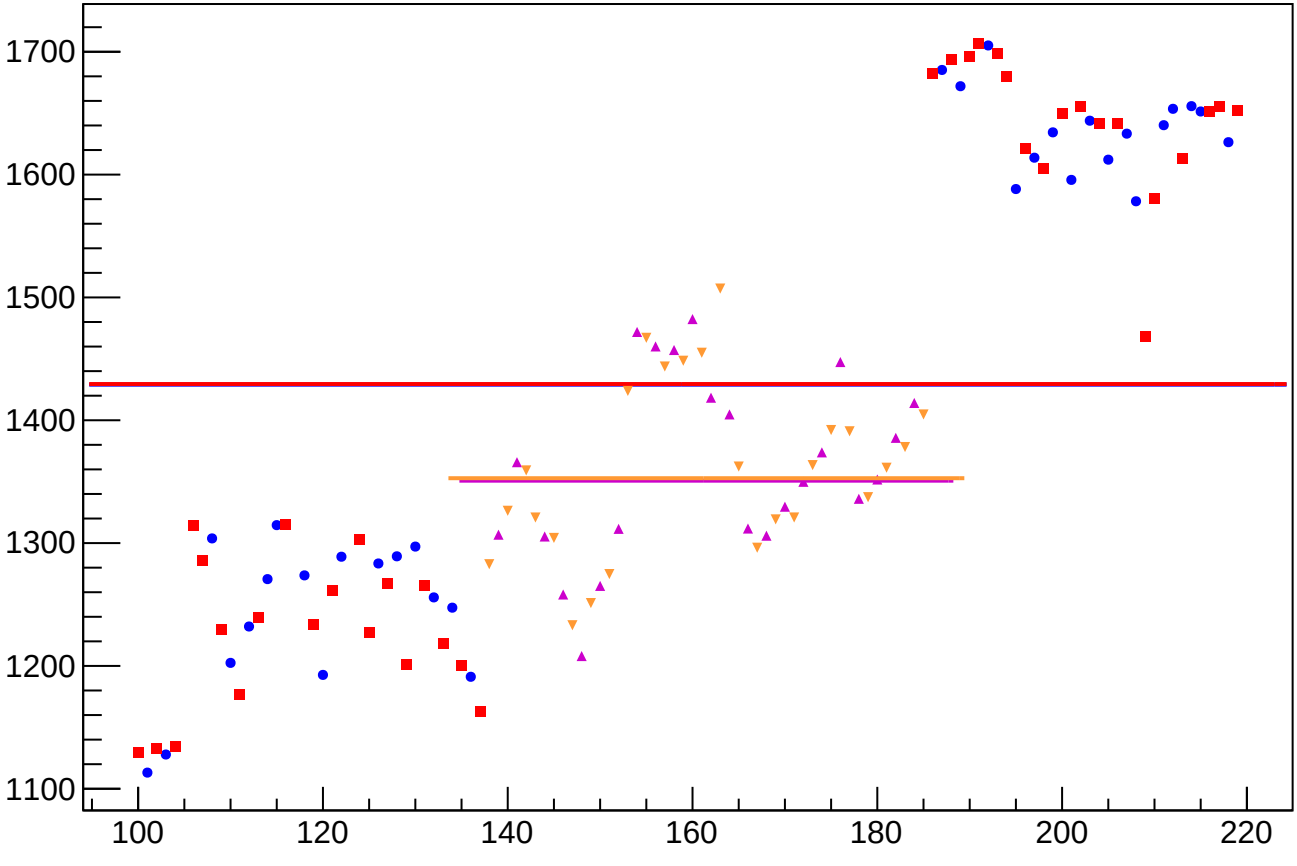
Right: -19.616+/-0.224 χ^2/NDF: 71365.8/68

In: 6.294+/-0.225 χ^2/NDF:14456.6/54

Out: -2.665+/-0.219 χ^2/NDF:86655.6/61

All: 1.685+/-0.157 χ^2/NDF: 101925.2/116

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1429.008+/-0.227 χ^2/NDF: 861871.1/31

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1429.482+/-0.220 χ^2/NDF: 965508.0/36

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

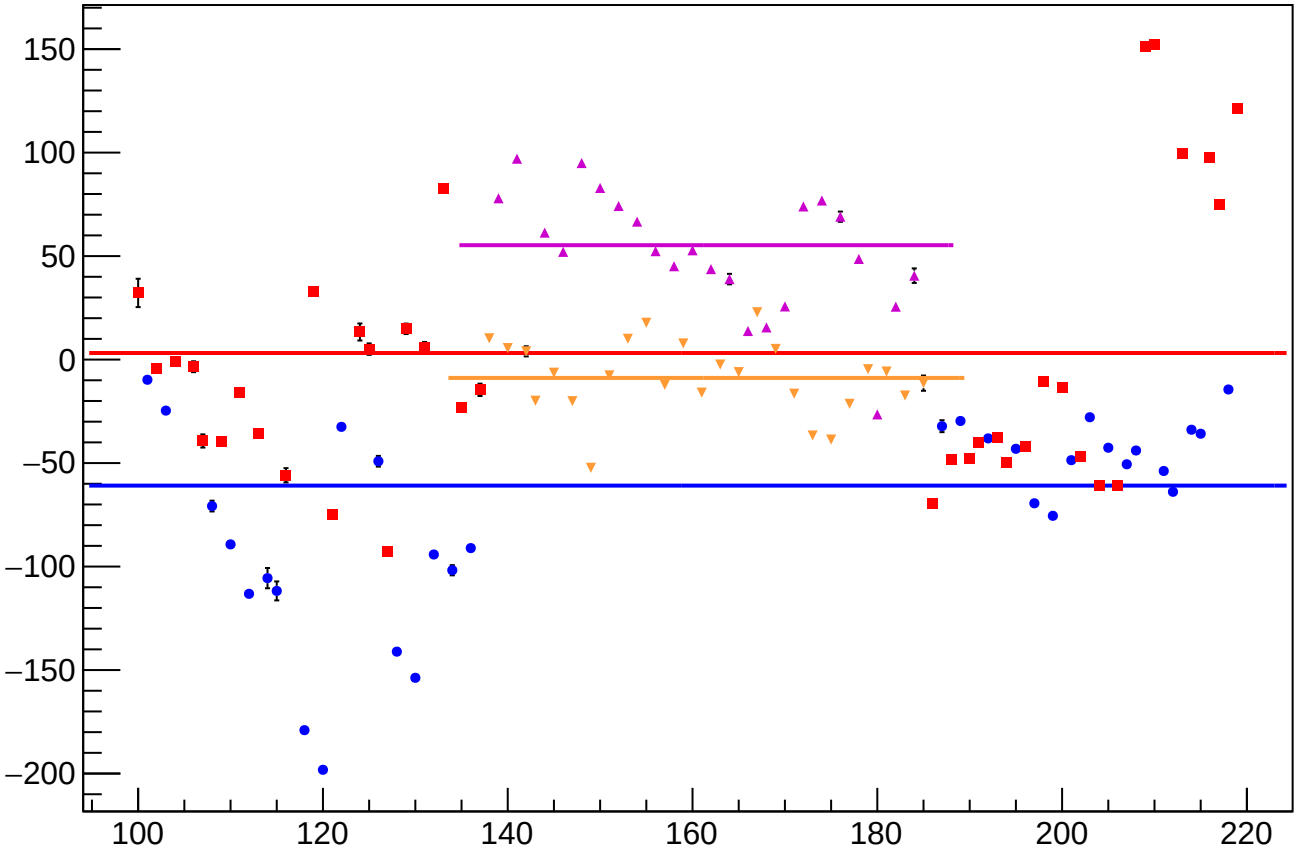
Right: 1429.252+/-0.158 χ^2/NDF: 1827381.4/68

In: 1389.272+/-0.159 χ^2/NDF:1030654.4/54

Out: 1390.719+/-0.155 χ^2/NDF:1131661.3/61

All: 1390.016+/-0.111 χ^2/NDF: 2162358.1/11

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -60.884+/-0.324 χ^2/NDF: 15694.9/31

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 3.178+/-0.310 χ^2/NDF: 50722.2/36

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

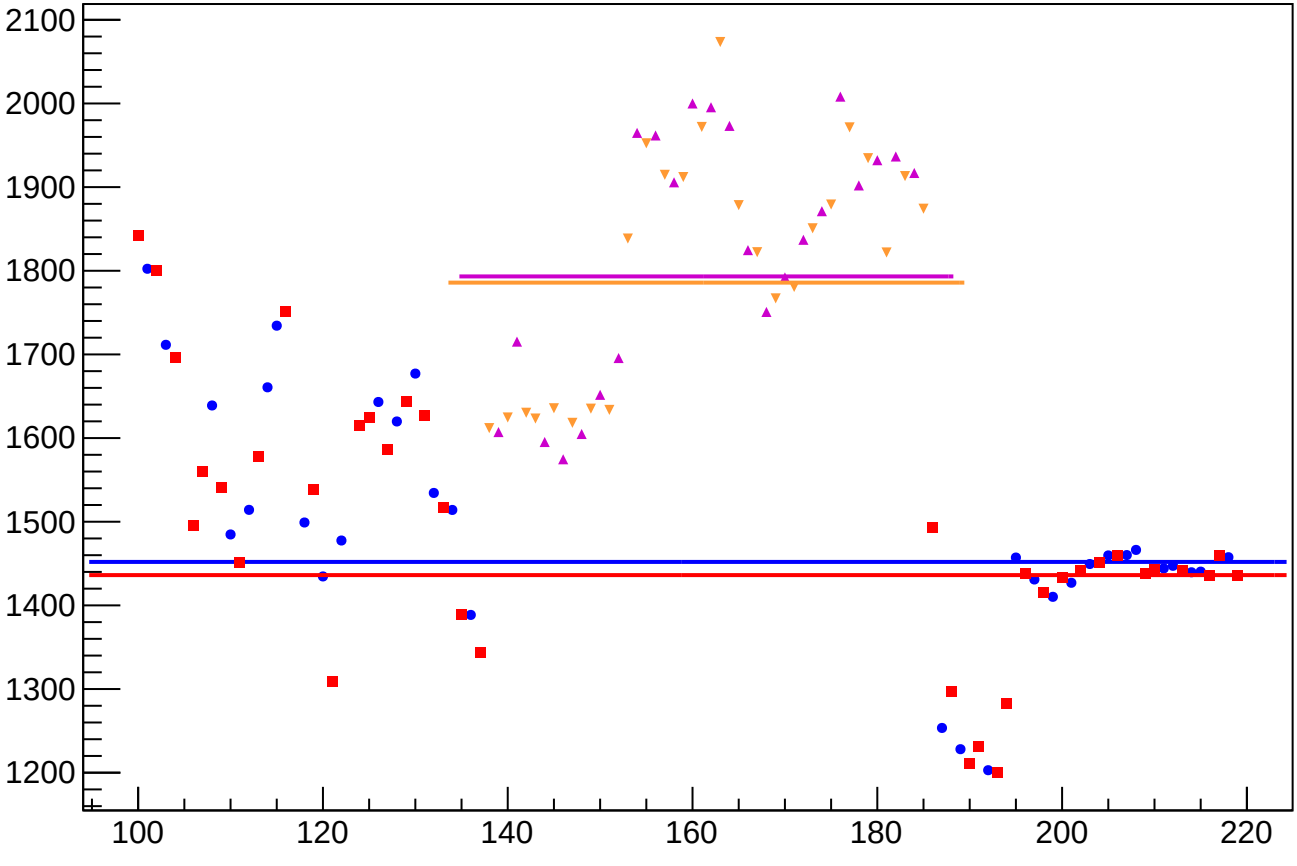
Right: -27.480+/-0.224 χ^2/NDF: 86795.0/68

In: -17.603+/-0.257 χ^2/NDF:68302.2/54

Out: -1.247+/-0.247 χ^2/NDF:53228.1/61

All: -9.107+/-0.178 χ^2/NDF: 123639.5/116

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1451.960+/-0.229 χ^2/NDF: 282075.6/31

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1436.196+/-0.220 χ^2/NDF: 331455.5/36

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

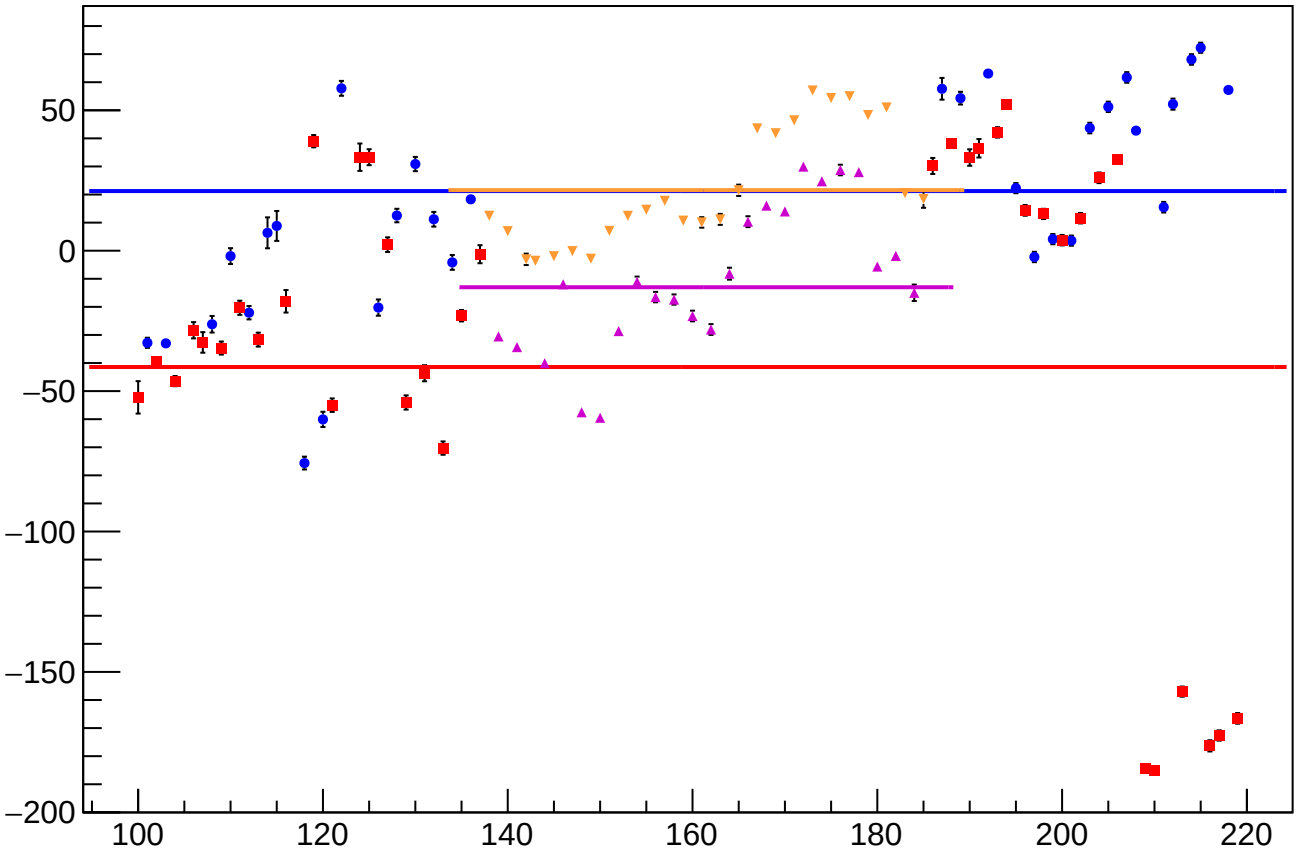
Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

Right: 1443.740+/-0.159 χ^2/NDF: 615999.0/68

In: 1579.135+/-0.181 χ^2/NDF:1361490.0/54

Out: 1564.730+/-0.175 χ^2/NDF:1501274.1/61

All: 1571.652+/-0.126 χ^2/NDF: 2866036.7/11



Right In: 21.233+/-0.373 χ^2/NDF: 10120.7/31

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -41.421+/-0.358 χ^2/NDF: 51603.4/36

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

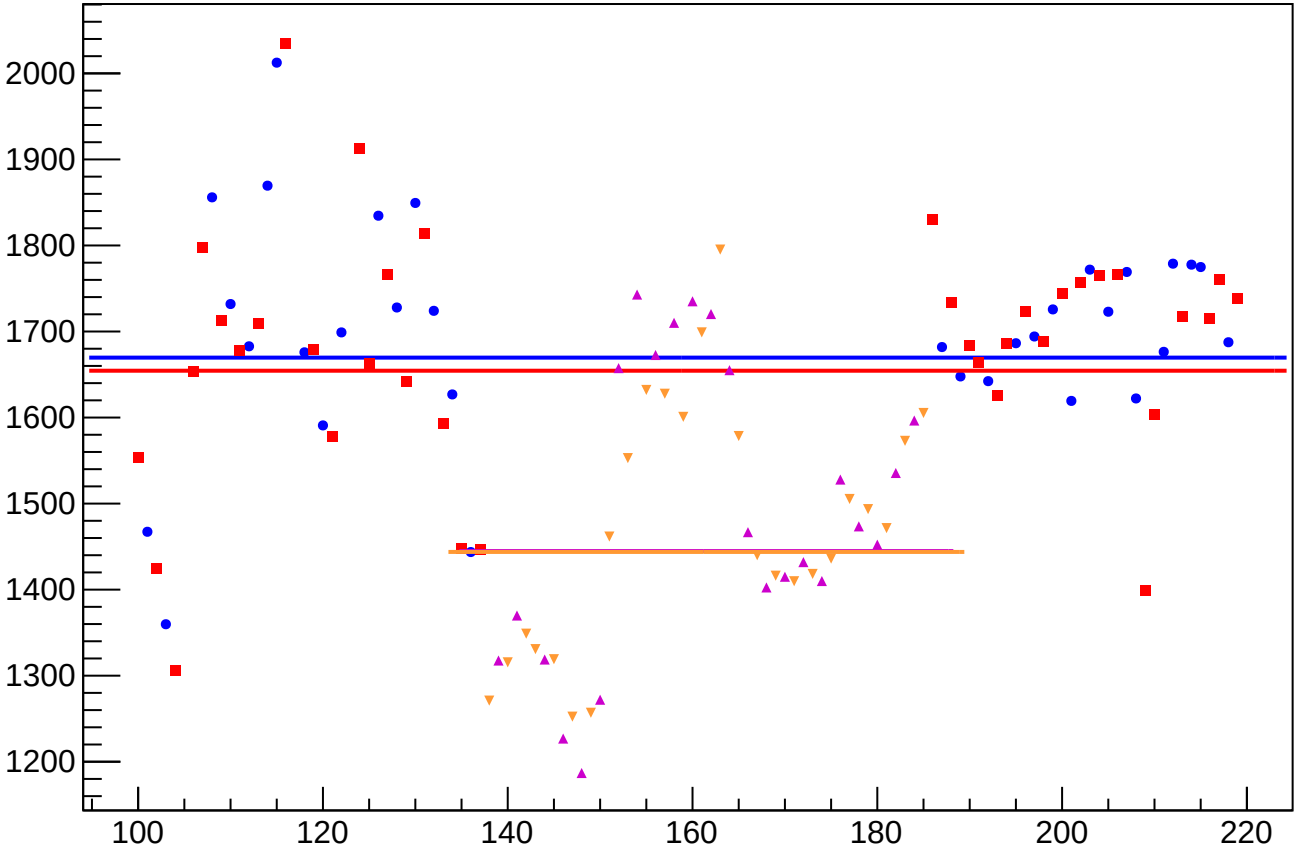
Right: -11.382+/-0.258 χ^2/NDF: 76423.4/68

In: 2.536+/-0.251 χ^2/NDF:21353.8/54

Out: -7.375+/-0.243 χ^2/NDF:72512.6/61

All: -2.594+/-0.175 χ^2/NDF: 94672.0/116

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1669.655+/-0.264 χ^2/NDF: 211236.0/31

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1654.432+/-0.253 χ^2/NDF: 295176.4/36

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

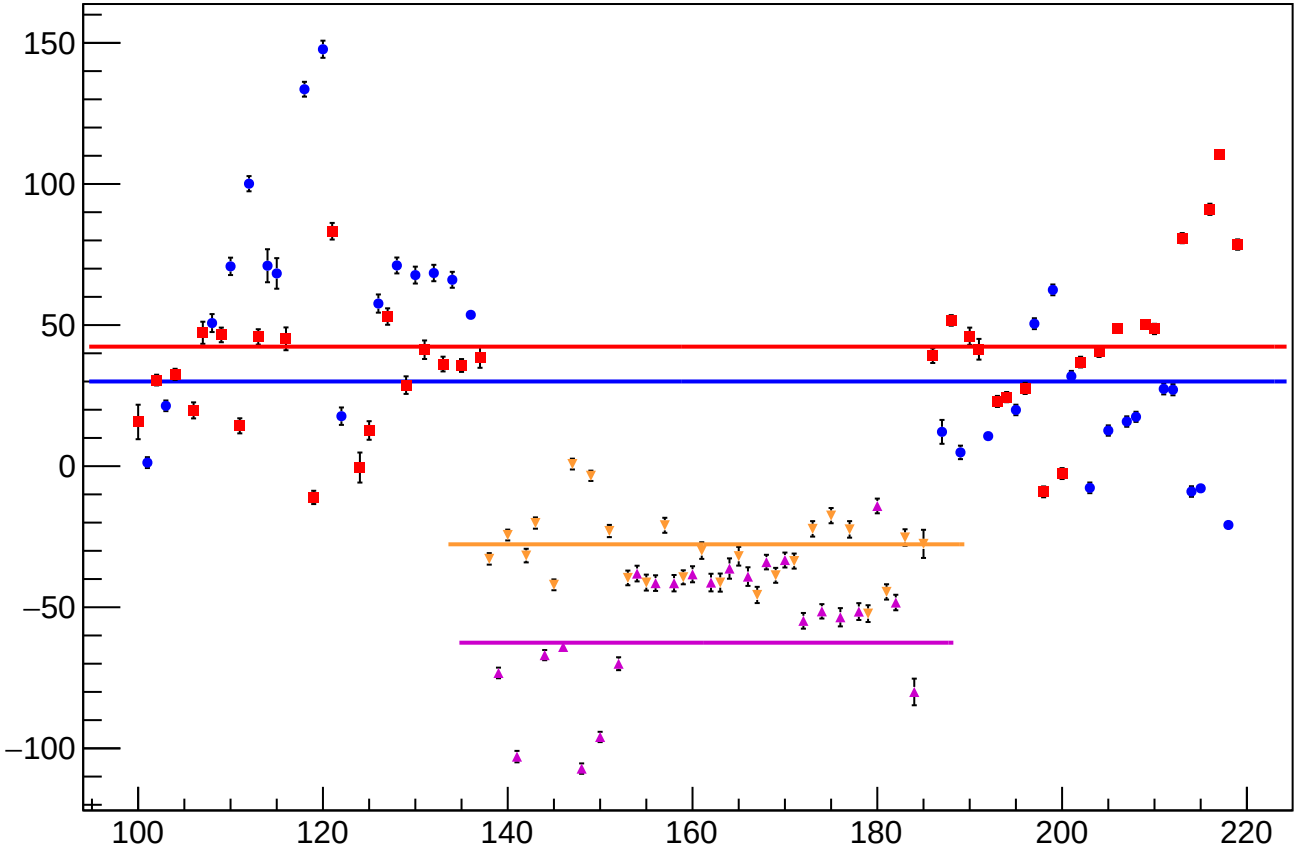
Right: 1661.731+/-0.183 χ^2/NDF: 508148.0/68

In: 1546.905+/-0.178 χ^2/NDF:1093509.2/54

Out: 1540.596+/-0.172 χ^2/NDF:1022053.8/61

All: 1543.640+/-0.123 χ^2/NDF: 2116215.8/11

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 30.018+/-0.393 χ^2/NDF: 8239.2/31

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 42.357+/-0.376 χ^2/NDF: 5650.1/36

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

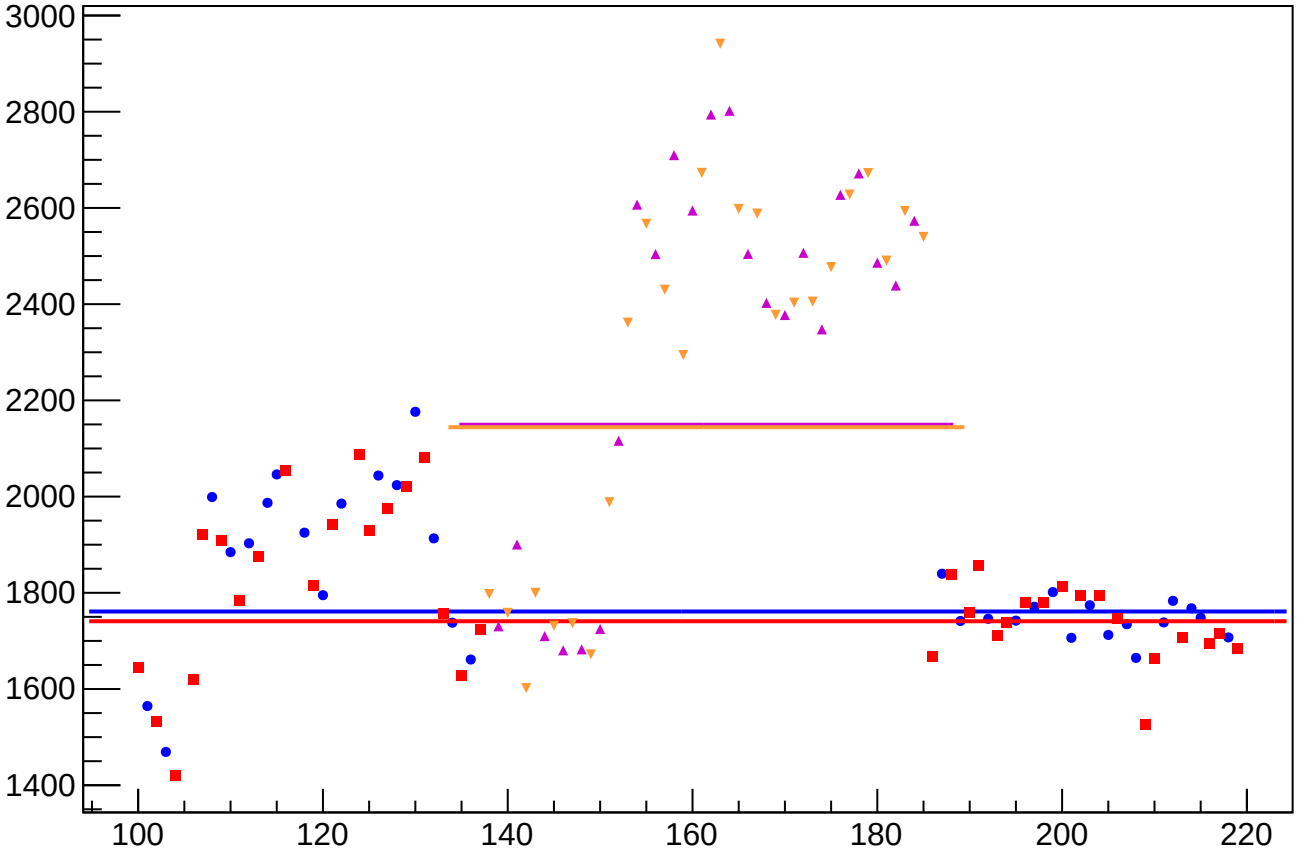
Right: 36.458+/-0.272 χ^2/NDF: 14403.6/68

In: -4.334+/-0.312 χ^2/NDF:31279.0/54

Out: 16.780+/-0.300 χ^2/NDF:19077.6/61

All: 6.637+/-0.216 χ^2/NDF: 52740.3/116

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1761.141+/-0.278 χ^2/NDF: 212600.7/31

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1740.870+/-0.266 χ^2/NDF: 250593.0/36

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

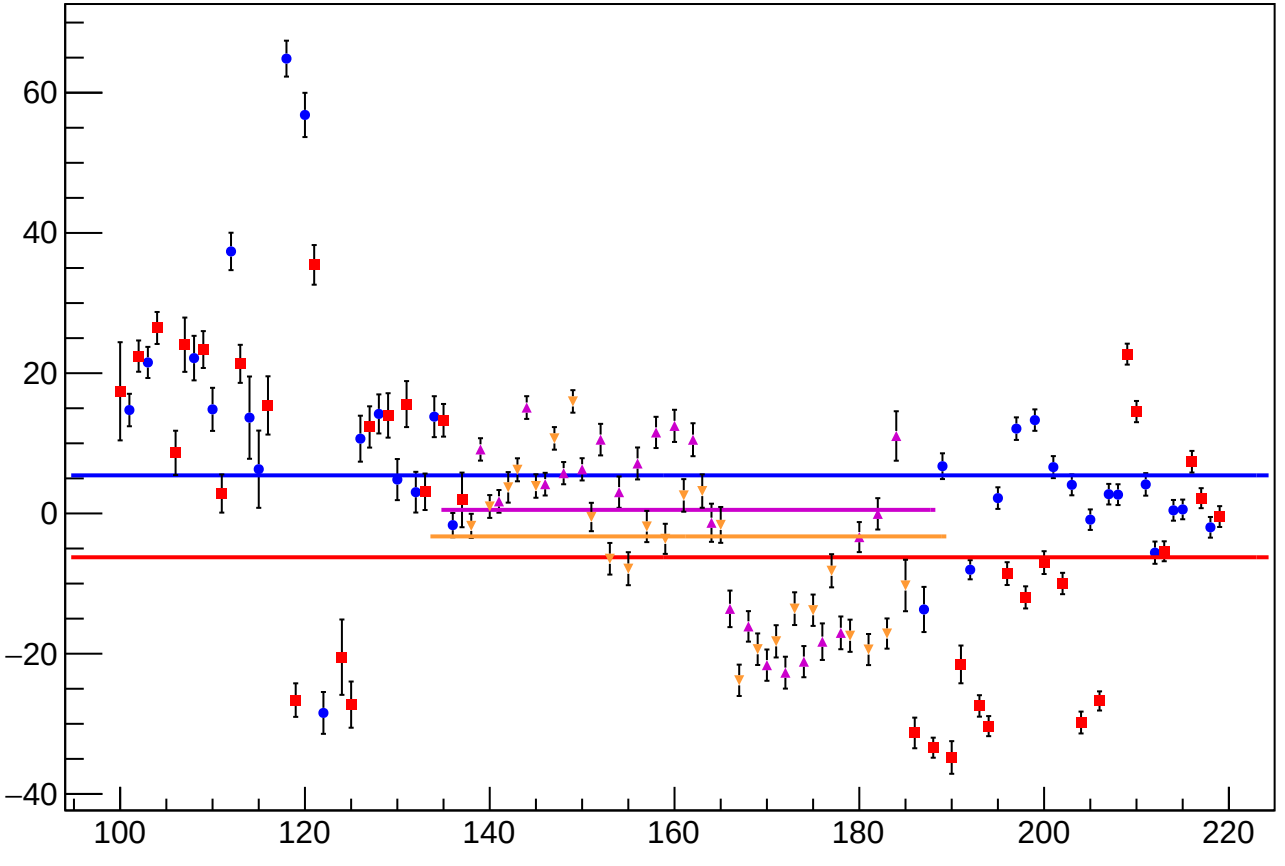
Right: 1750.560+/-0.192 χ^2/NDF: 465969.9/68

In: 1905.193+/-0.220 χ^2/NDF:2202199.2/54

Out: 1888.145+/-0.212 χ^2/NDF:2370032.7/61

All: 1896.334+/-0.153 χ^2/NDF: 4575339.9/11

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 5.431+/-0.339 χ^2/NDF: 1527.4/31

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -6.250+/-0.326 χ^2/NDF: 3602.7/36

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

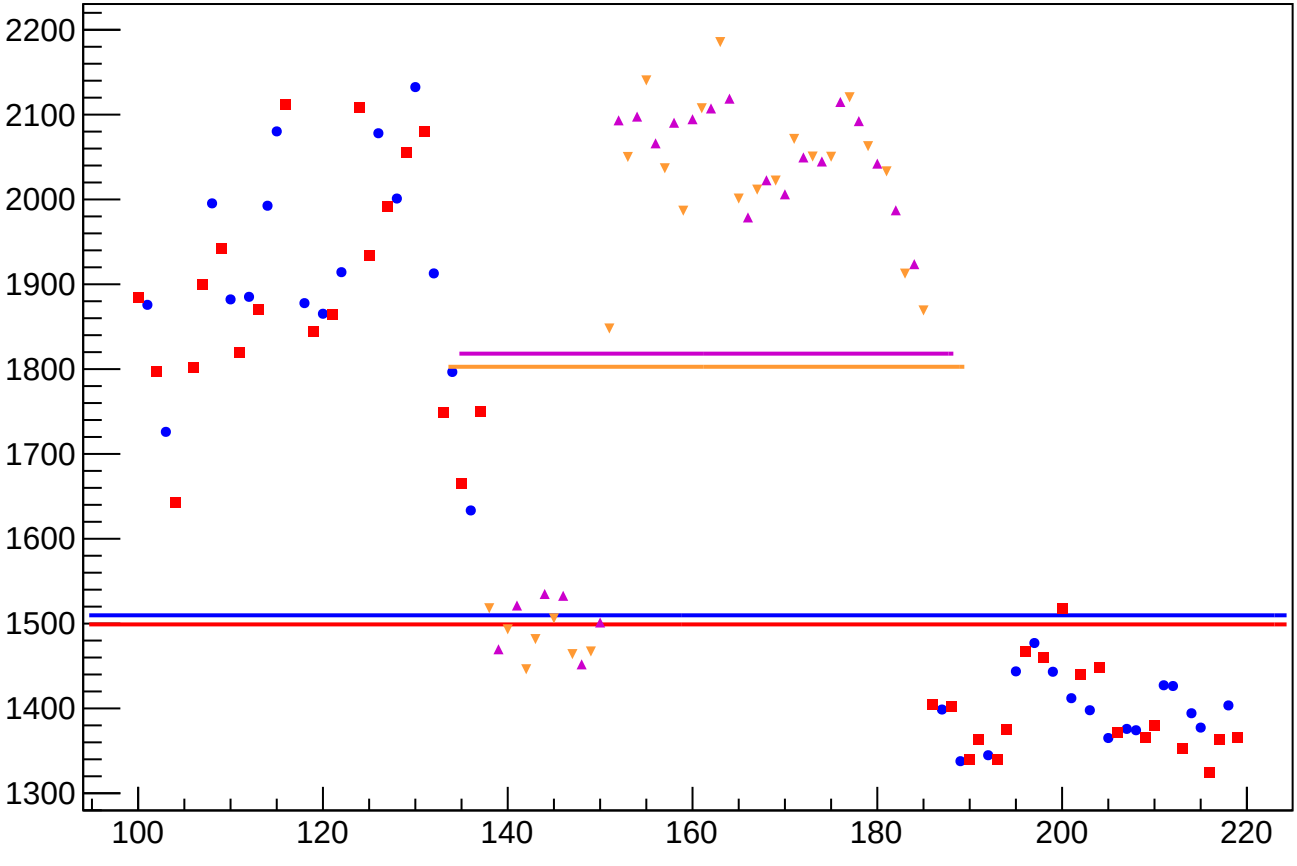
Right: -0.642+/-0.235 χ^2/NDF: 5746.2/68

In: 3.542+/-0.266 χ^2/NDF:2354.0/54

Out: -5.113+/-0.256 χ^2/NDF:4305.6/61

All: -0.951+/-0.185 χ^2/NDF: 7207.9/116

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1509.766+/-0.240 χ^2/NDF: 784275.5/31

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1499.042+/-0.231 χ^2/NDF: 806635.7/36

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

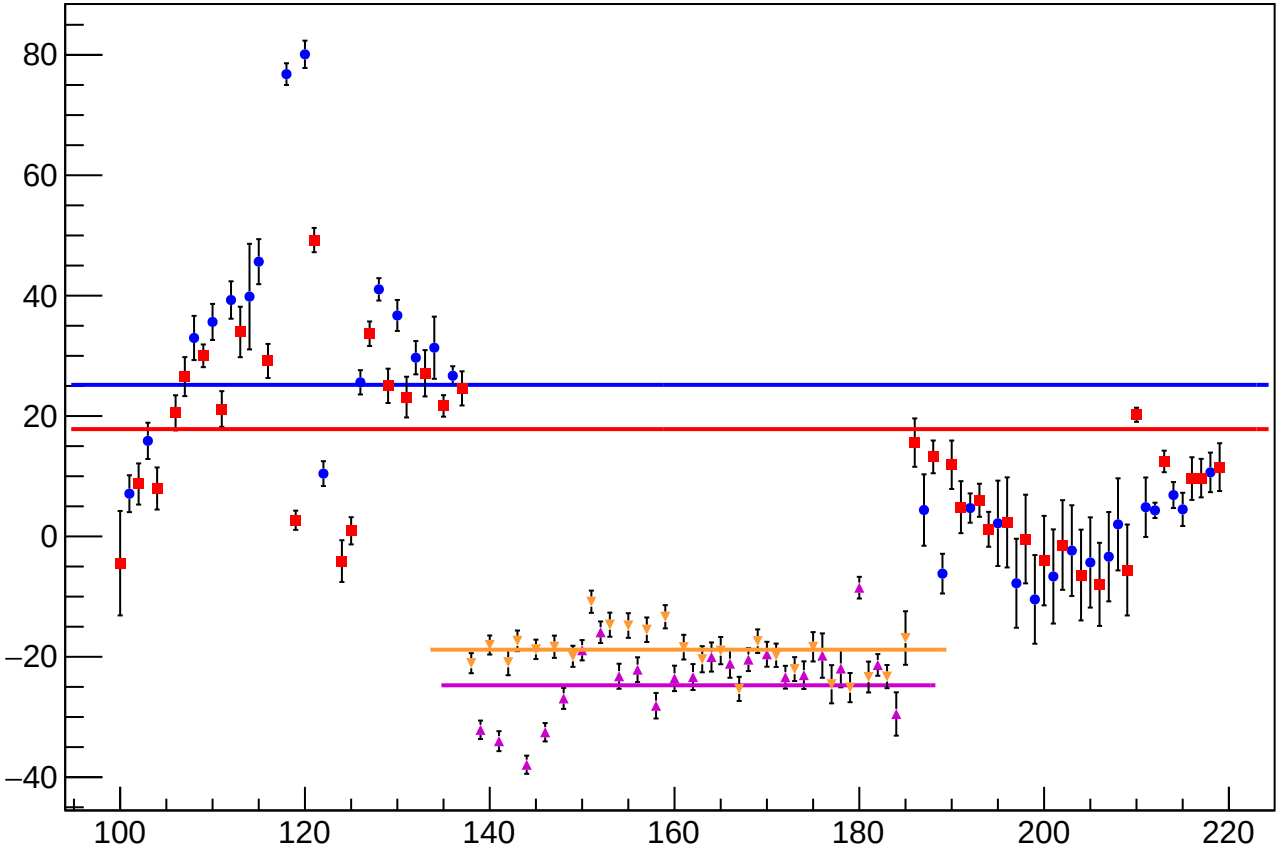
Right: 1504.190+/-0.166 χ^2/NDF: 1591949.9/68

In: 1628.212+/-0.188 χ^2/NDF:2259250.3/54

Out: 1615.094+/-0.181 χ^2/NDF:2366991.4/61

All: 1621.402+/-0.131 χ^2/NDF: 4628760.9/11

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 25.183+/-0.493 χ^2/NDF: 2395.5/31

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 17.828+/-0.456 χ^2/NDF: 770.0/36

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

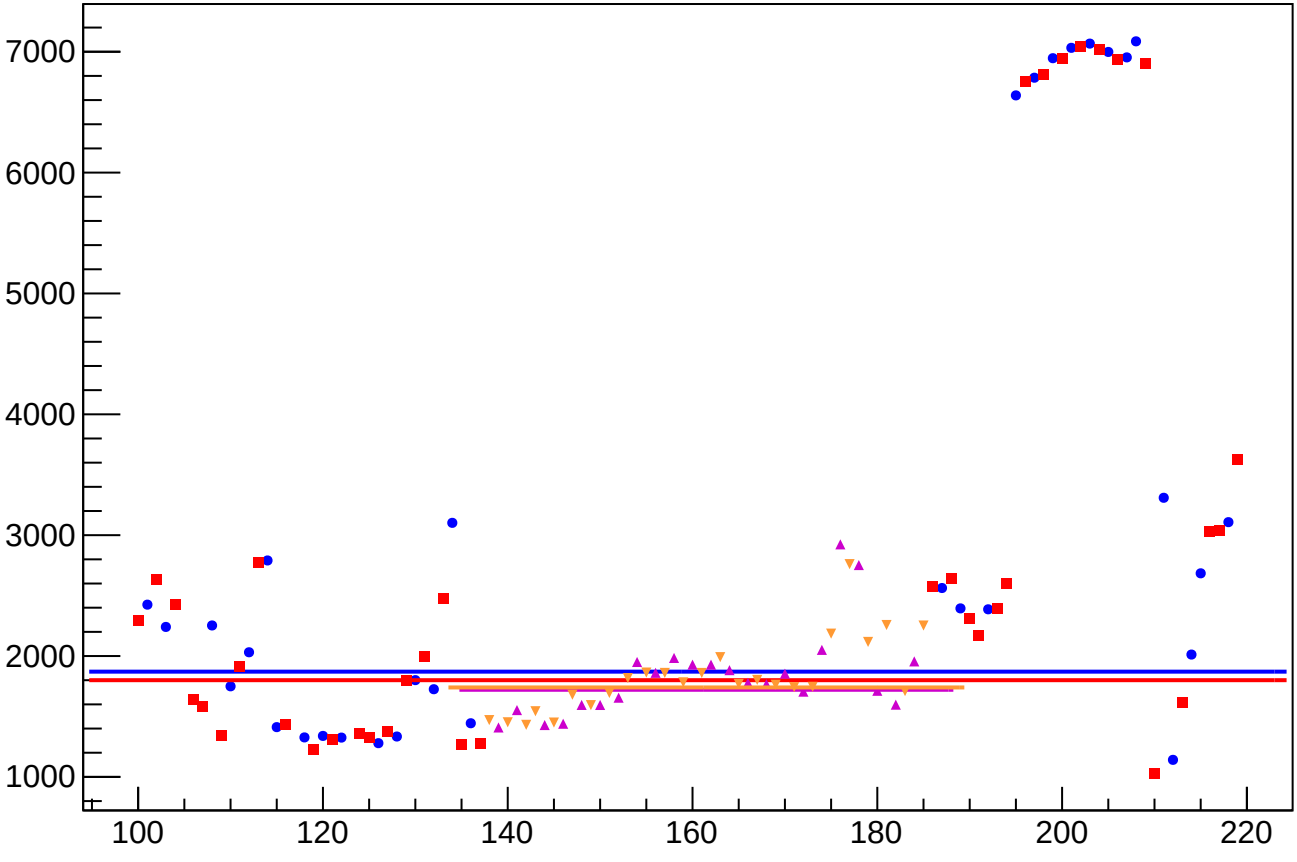
Right: 21.214+/-0.335 χ^2/NDF: 3285.6/68

In: -4.406+/-0.315 χ^2/NDF:8775.1/54

Out: -2.777+/-0.301 χ^2/NDF:4482.9/61

All: -3.557+/-0.218 χ^2/NDF: 13271.9/116

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1870.835+/-0.349 χ^2/NDF: 10037965.7/31

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1800.189+/-0.322 χ^2/NDF: 10500152.6/36

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

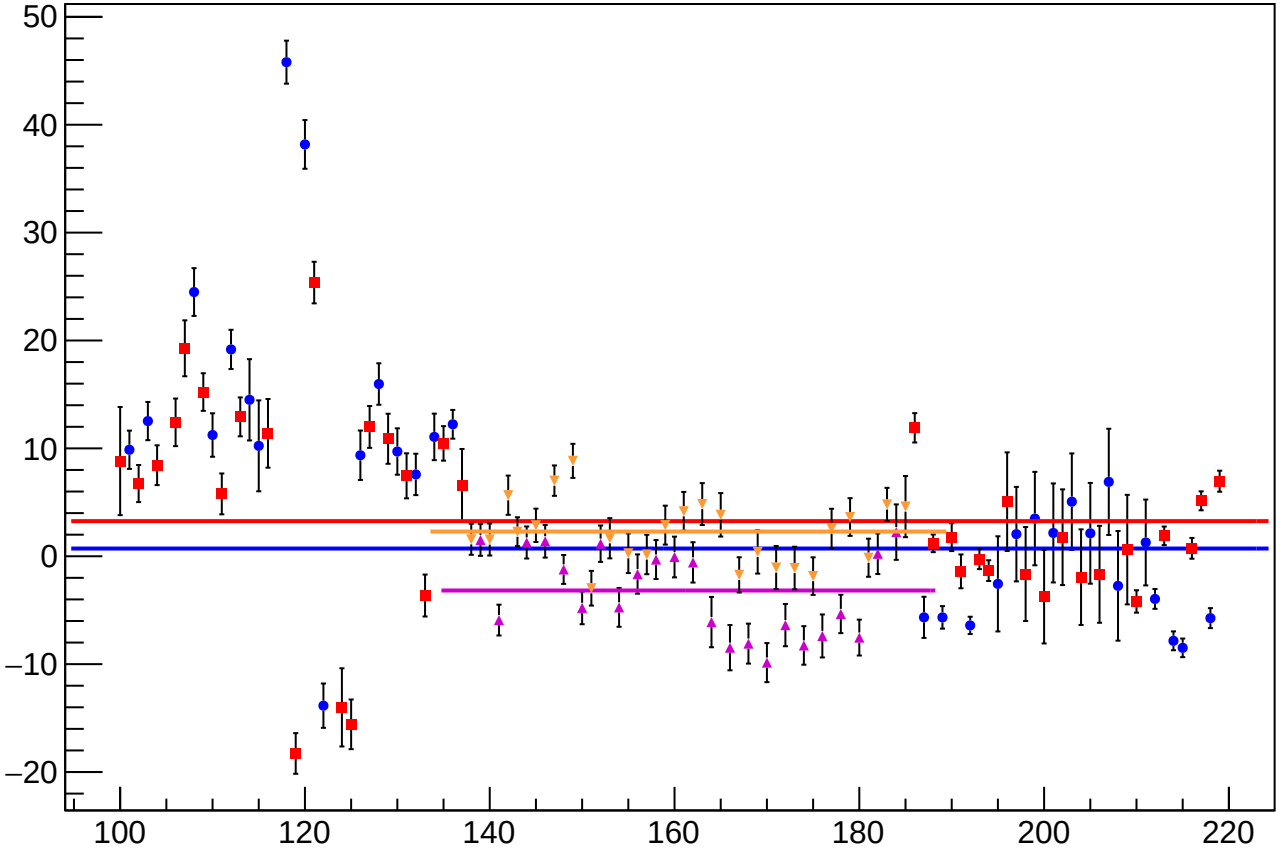
Right: 1832.714+/-0.237 χ^2/NDF: 20560260.4/68

In: 1781.933+/-0.223 χ^2/NDF:11031575.2/54

Out: 1766.394+/-0.213 χ^2/NDF:11273103.1/61

All: 1773.827+/-0.154 χ^2/NDF: 22307221.3/1

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.716+/-0.287 χ^2/NDF: 1794.3/31

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 3.256+/-0.253 χ^2/NDF: 754.9/36

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

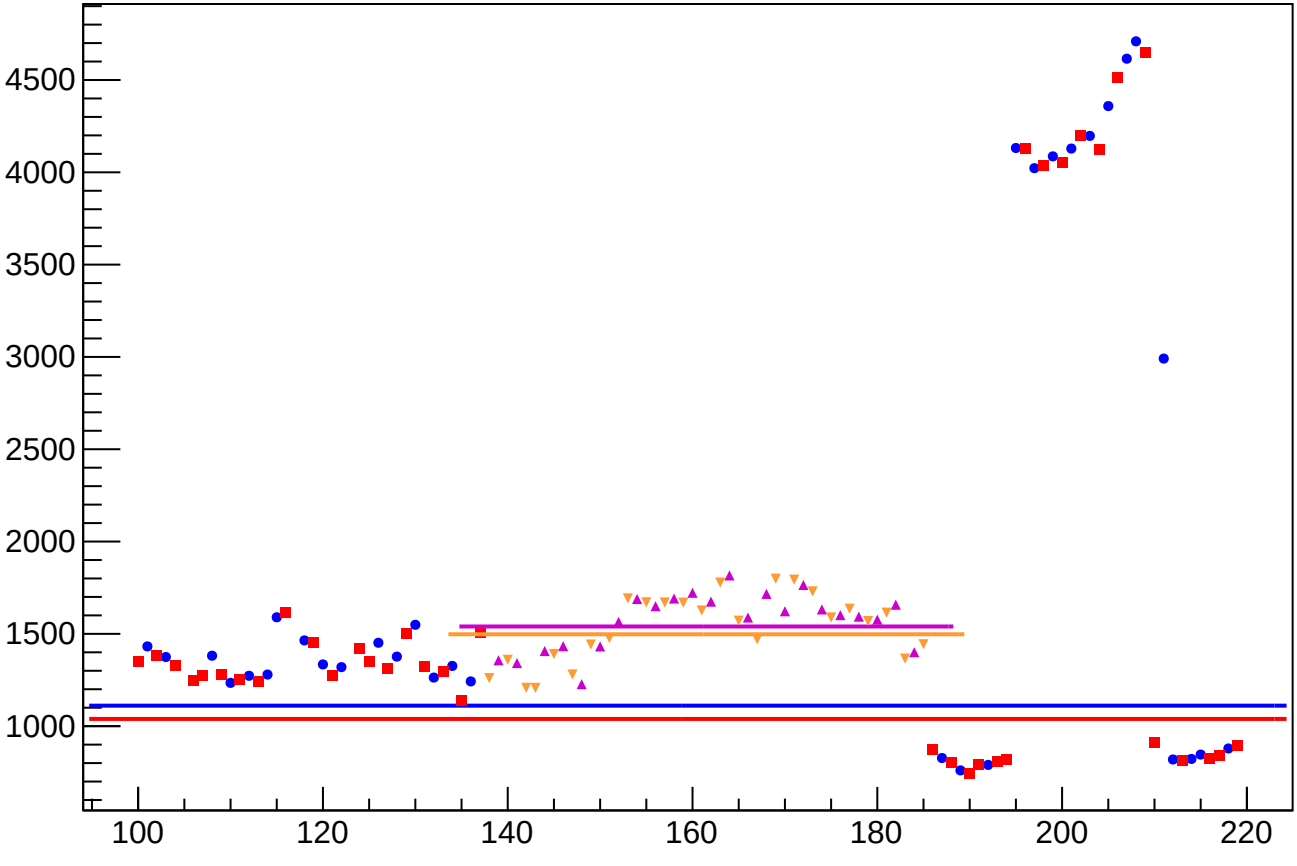
Right: 2.146+/-0.190 χ^2/NDF: 2593.3/68

In: -0.784+/-0.225 χ^2/NDF:1975.5/54

Out: 2.917+/-0.204 χ^2/NDF:833.5/61

All: 1.251+/-0.151 χ^2/NDF: 2957.6/116

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1111.075+/-0.203 χ^2/NDF: 9849773.2/31

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1039.199+/-0.179 χ^2/NDF: 8749312.1/36

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

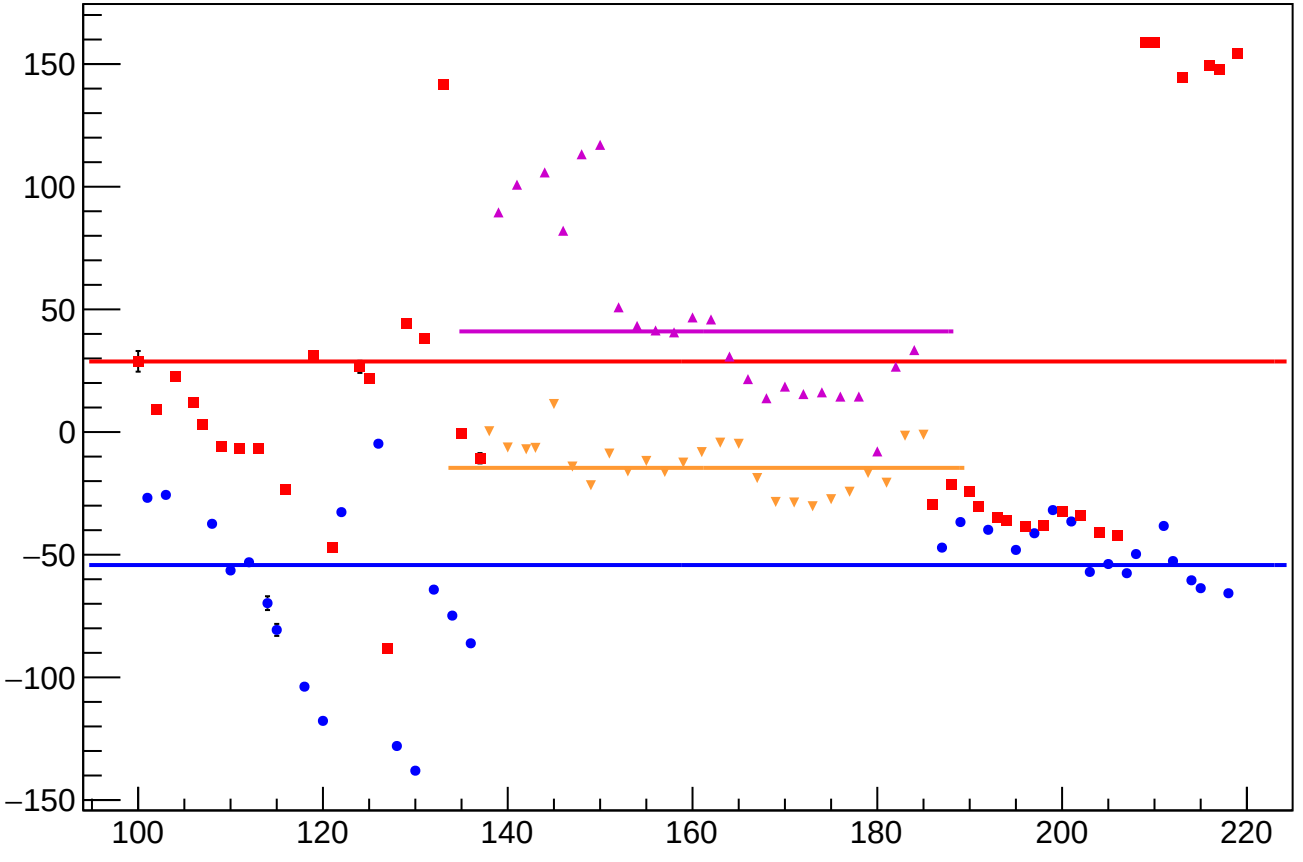
Right: 1070.614+/-0.134 χ^2/NDF: 18669631.9/68

In: 1276.430+/-0.159 χ^2/NDF:11950121.6/54

Out: 1200.483+/-0.144 χ^2/NDF:11628361.9/61

All: 1234.683+/-0.107 χ^2/NDF: 23703667.2/

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -54.212+/-0.158 χ^2/NDF: 18929.8/31

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 28.766+/-0.153 χ^2/NDF: 301233.1/36

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

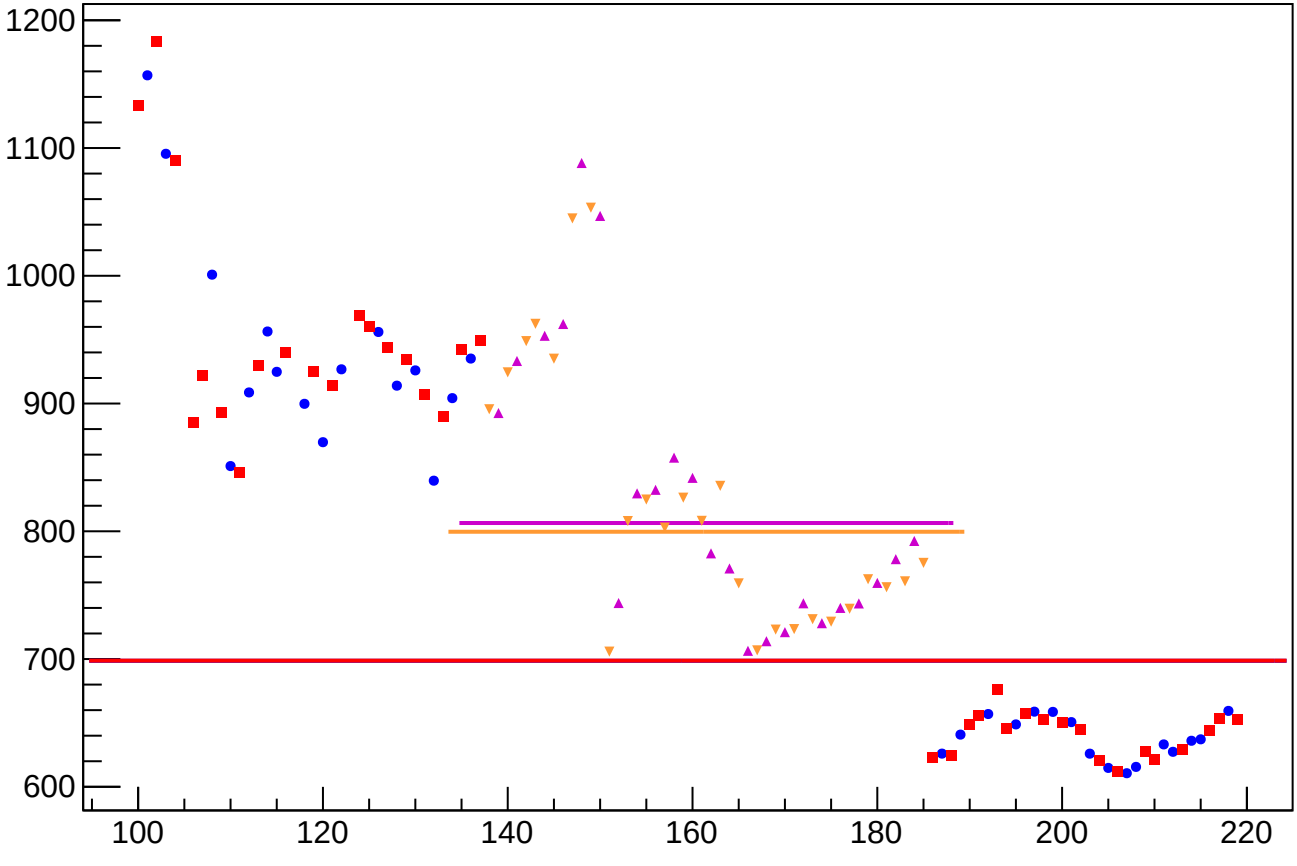
Right: -11.369+/-0.110 χ^2/NDF: 462686.3/68

In: -15.245+/-0.121 χ^2/NDF:198771.8/54

Out: 10.938+/-0.117 χ^2/NDF:337476.7/61

All: -1.705+/-0.084 χ^2/NDF: 560305.4/116

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 698.618+/-0.112 χ^2/NDF: 1292906.7/31

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 698.749+/-0.108 χ^2/NDF: 1354525.4/36

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

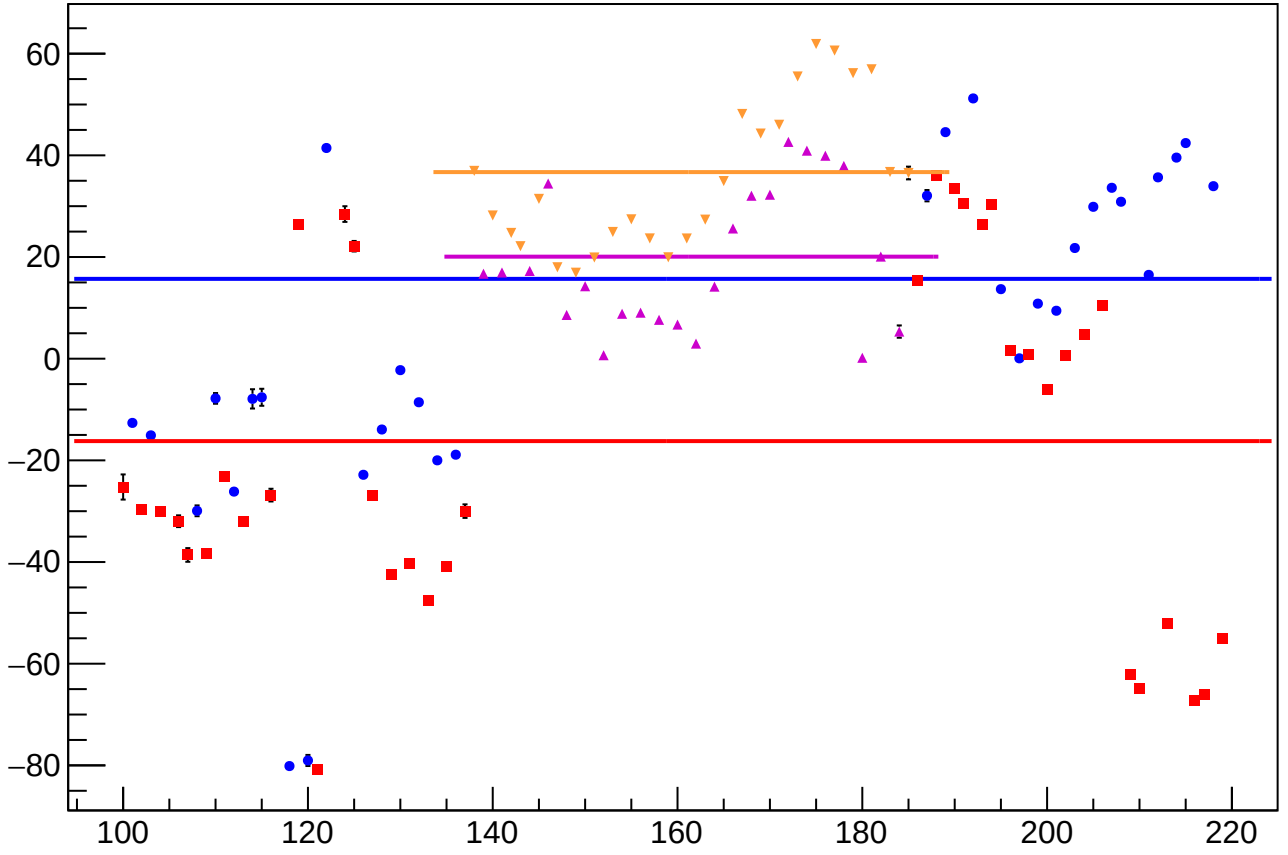
Right: 698.686+/-0.078 χ^2/NDF: 2647432.8/68

In: 742.751+/-0.086 χ^2/NDF:2185892.6/54

Out: 740.228+/-0.083 χ^2/NDF:2210141.5/61

All: 741.446+/-0.060 χ^2/NDF: 4396481.0/116

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 15.702+/-0.118 χ^2/NDF: 54679.0/31

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -16.212+/-0.114 χ^2/NDF: 99090.6/36

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

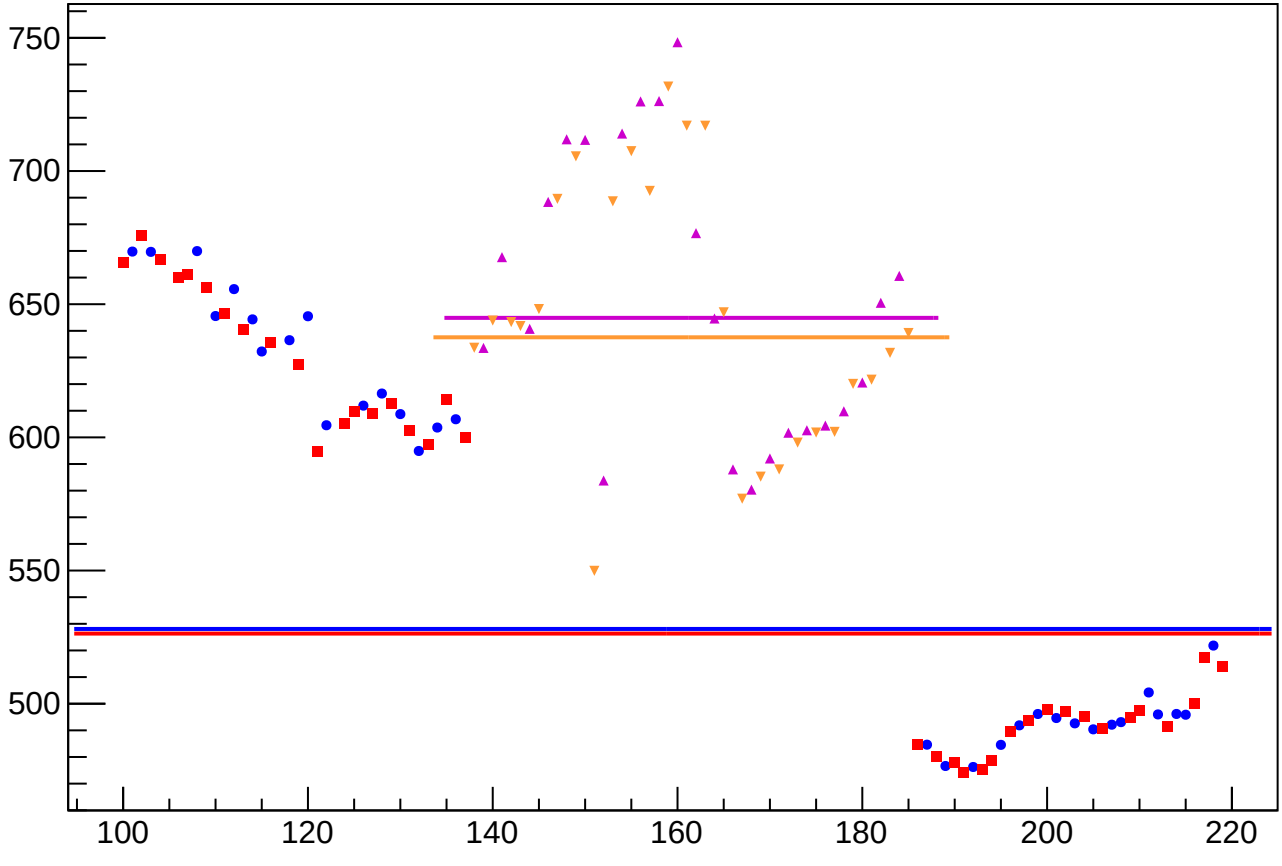
Right: -0.827+/-0.082 χ^2/NDF: 191509.0/68

In: 17.359+/-0.093 χ^2/NDF:63757.2/54

Out: 3.943+/-0.090 χ^2/NDF:191294.9/61

All: 10.402+/-0.065 χ^2/NDF: 265809.9/116

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 528.073+/-0.084 χ^2/NDF: 542137.6/31

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 526.338+/-0.081 χ^2/NDF: 575616.6/36

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

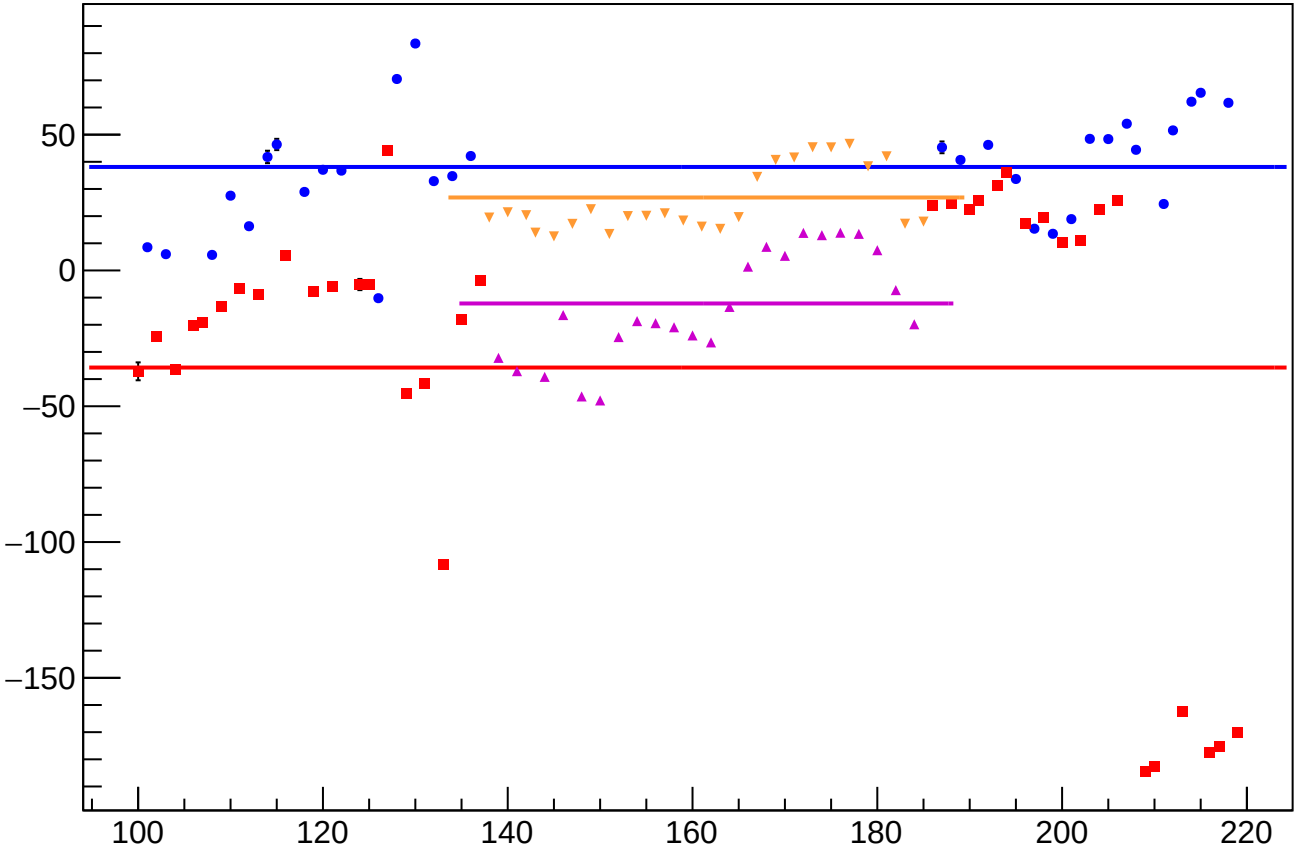
Right: 527.175+/-0.058 χ^2/NDF: 1117977.4/68

In: 572.378+/-0.066 χ^2/NDF:1512105.8/54

Out: 568.704+/-0.063 χ^2/NDF:1536540.1/61

All: 570.473+/-0.046 χ^2/NDF: 3050259.3/116

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 38.105+/-0.194 χ^2/NDF: 11262.8/31

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: -35.747+/-0.189 χ^2/NDF: 158880.7/36

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

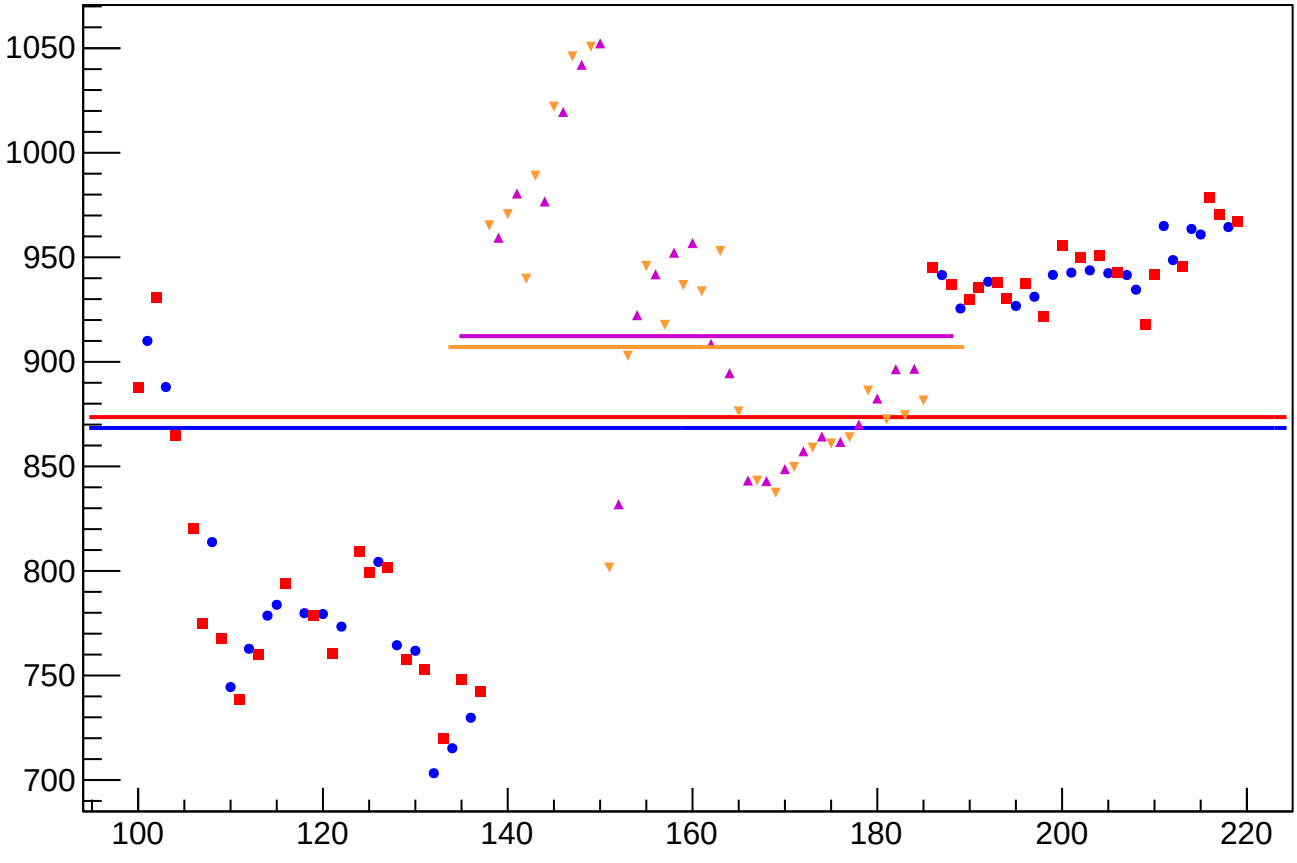
Right: 0.174+/-0.135 χ^2/NDF: 244392.0/68

In: 15.364+/-0.144 χ^2/NDF:50106.6/54

Out: -7.228+/-0.139 χ^2/NDF:212249.6/61

All: 3.729+/-0.100 χ^2/NDF: 275079.4/116

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 868.393+/-0.137 χ^2/NDF: 455205.4/31

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 873.580+/-0.134 χ^2/NDF: 433825.4/36

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

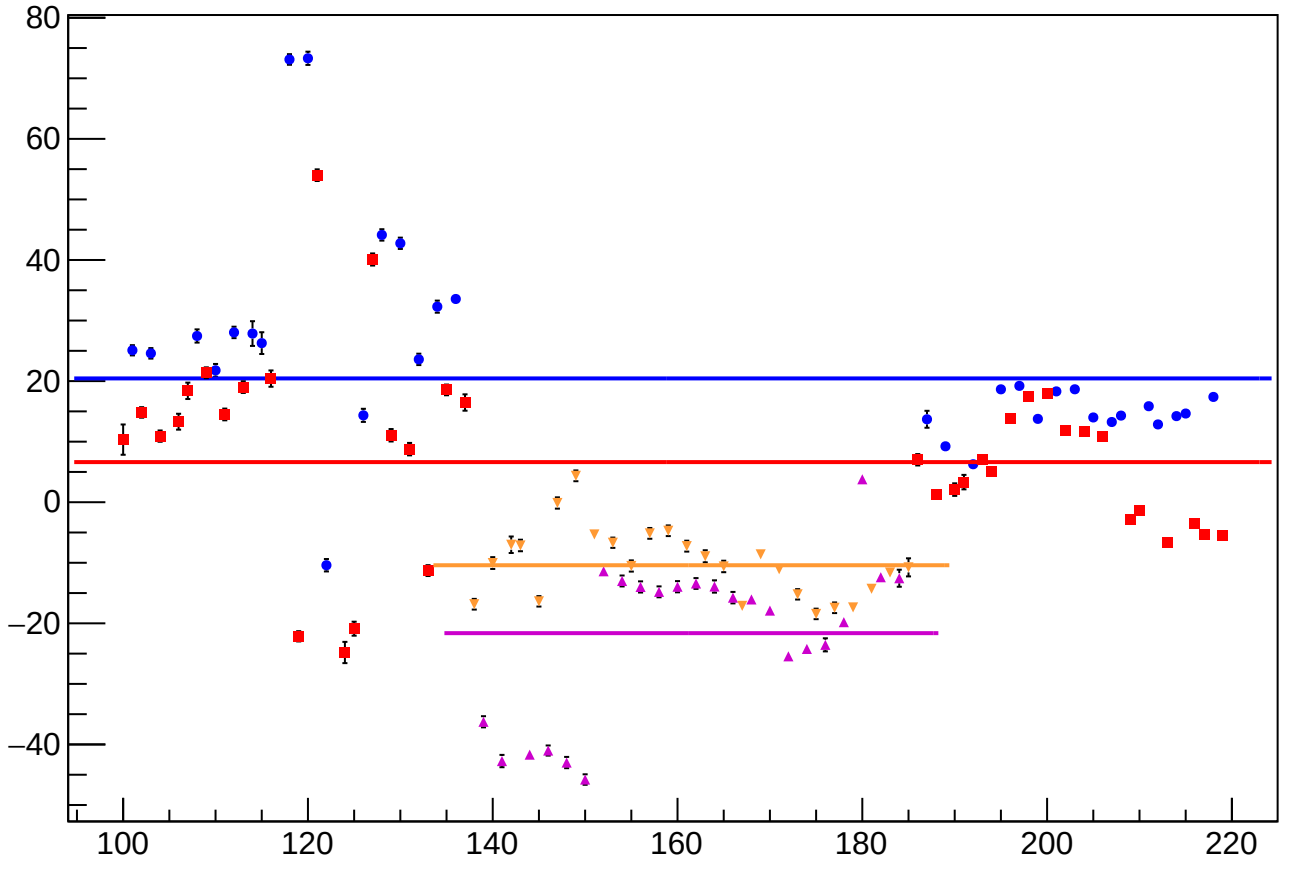
Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

Right: 871.057+/-0.096 χ^2/NDF: 889763.1/68

In: 888.259+/-0.102 χ^2/NDF:676157.0/54

Out: 888.842+/-0.099 χ^2/NDF:657061.5/61

All: 888.559+/-0.071 χ^2/NDF: 1333235.5/116



Right In: 20.443+/-0.136 χ^2/NDF: 10461.1/31

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 6.625+/-0.132 χ^2/NDF: 9904.7/36

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

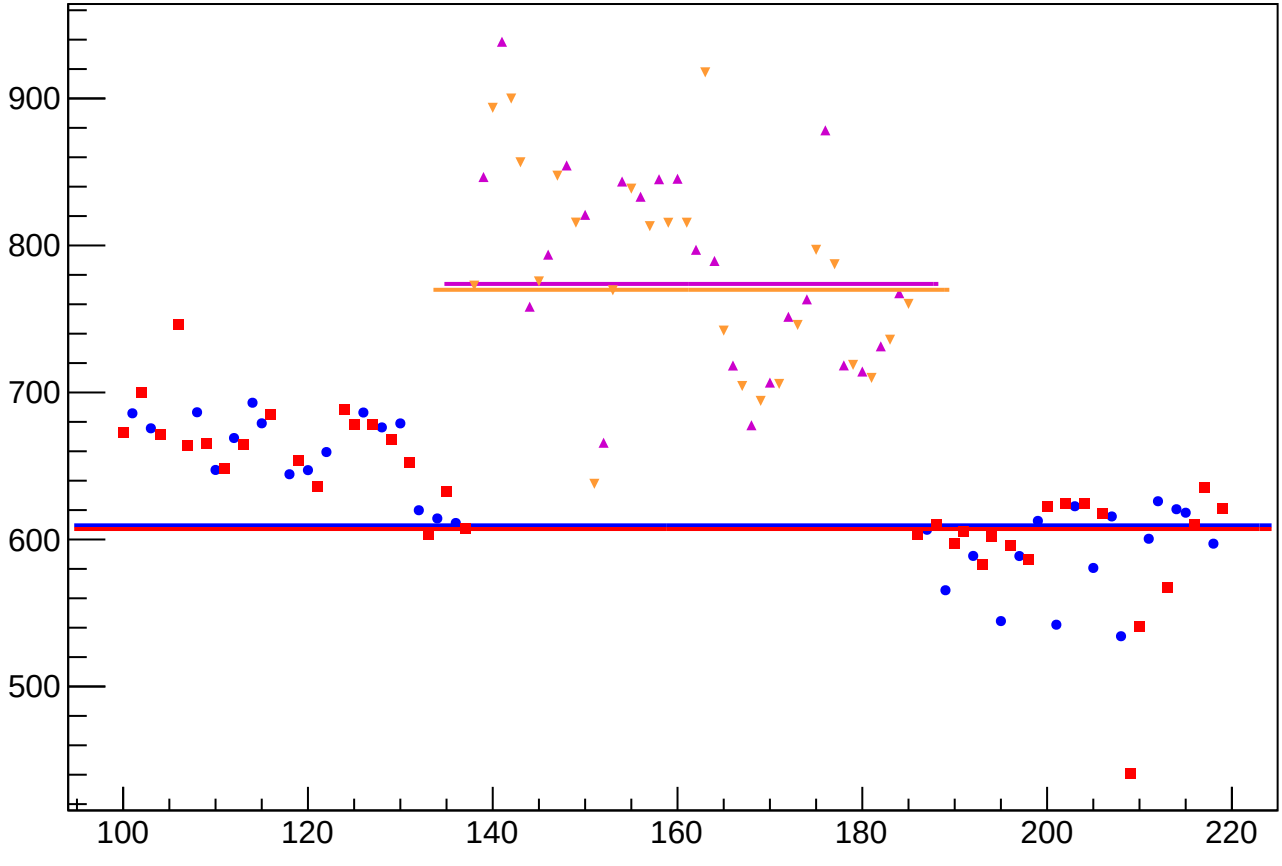
Right: 13.288+/-0.095 χ^2/NDF: 25682.8/68

In: 5.313+/-0.109 χ^2/NDF:49930.6/54

Out: 0.519+/-0.105 χ^2/NDF:16953.5/61

All: 2.833+/-0.076 χ^2/NDF: 67883.0/116

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 609.622+/-0.096 χ^2/NDF: 197650.9/31

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 607.123+/-0.093 χ^2/NDF: 413641.7/36

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

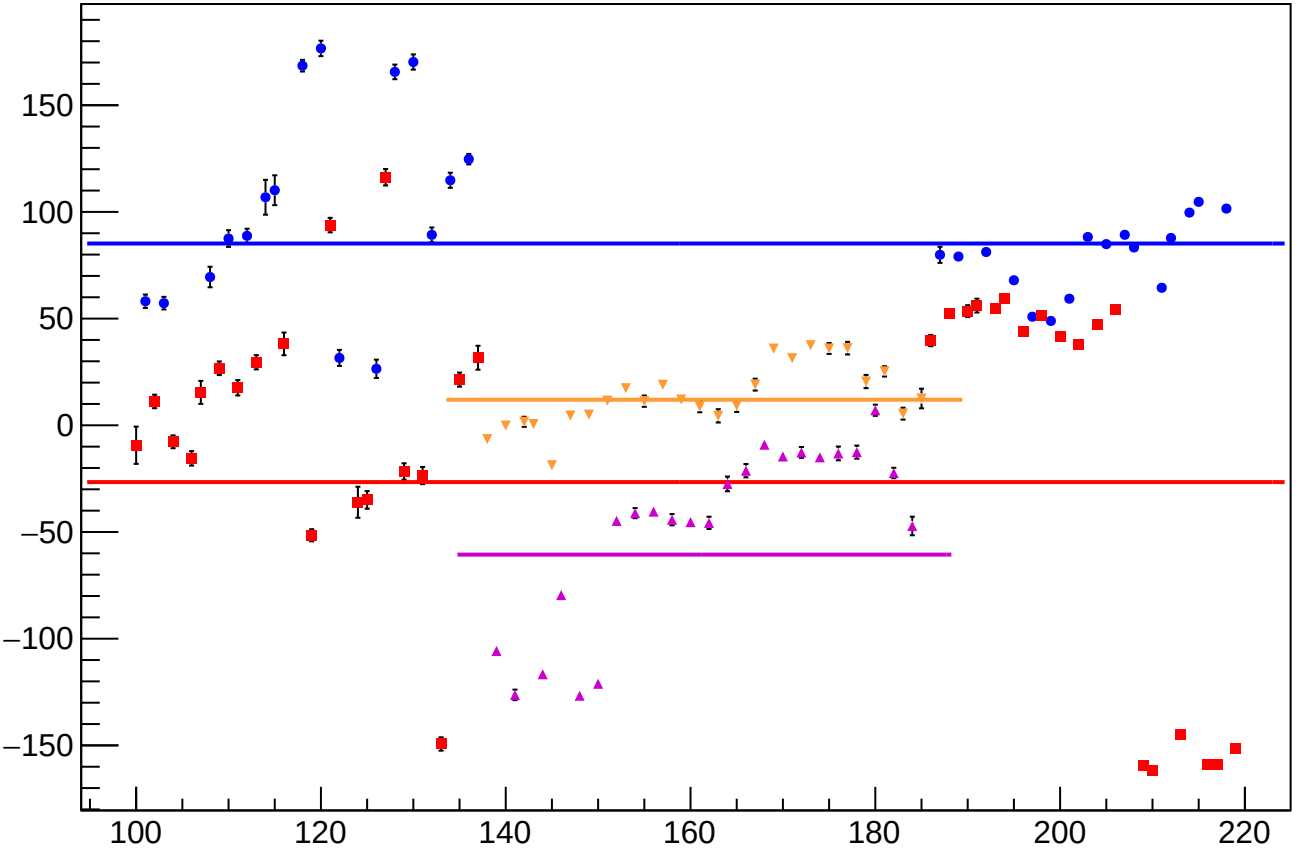
Right: 608.328+/-0.067 χ^2/NDF: 611640.5/68

In: 668.689+/-0.077 χ^2/NDF:1523909.9/54

Out: 665.467+/-0.075 χ^2/NDF:1814872.2/61

All: 667.022+/-0.054 χ^2/NDF: 3339684.5/116

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 85.182+/-0.407 χ^2/NDF: 5109.1/31

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -26.615+/-0.388 χ^2/NDF: 59911.7/36

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

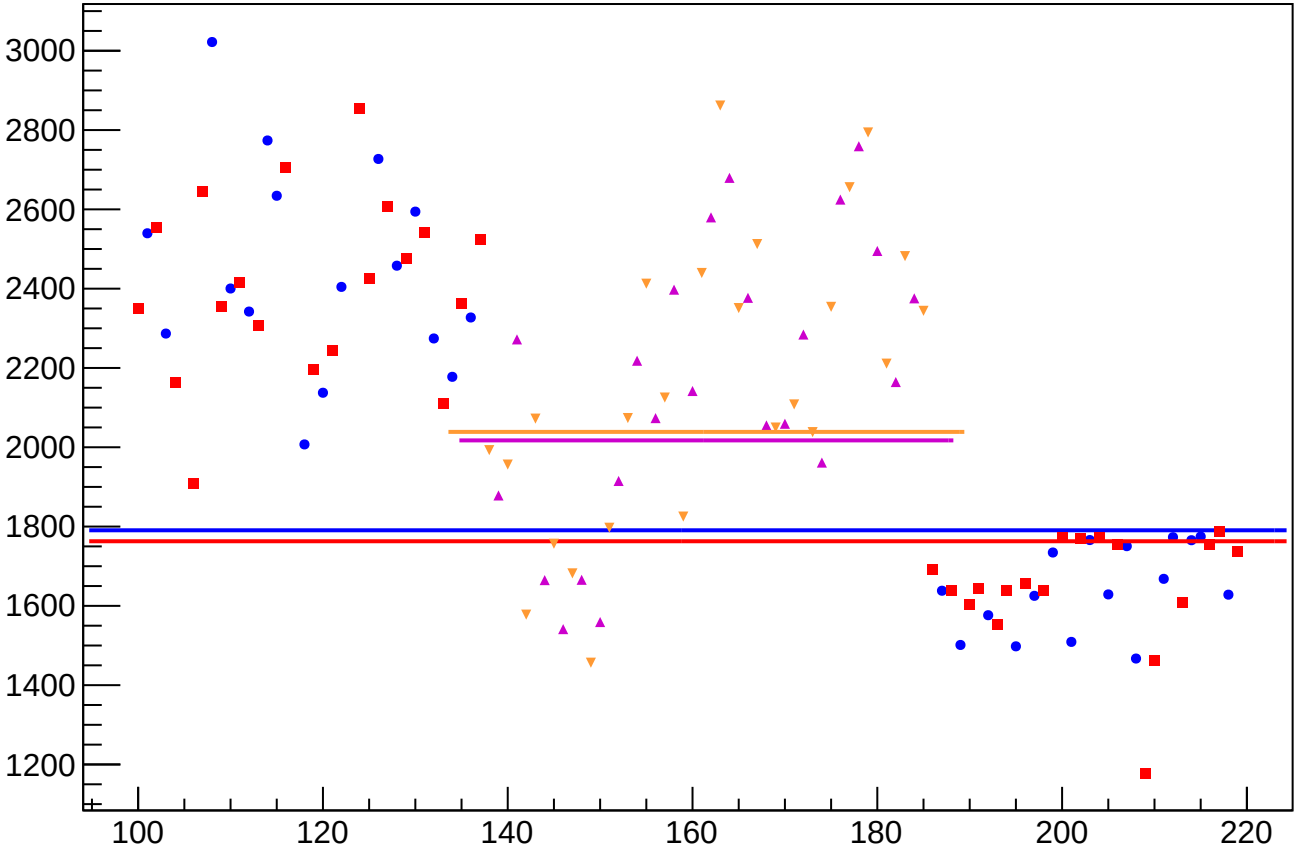
Right: 26.630+/-0.281 χ^2/NDF: 104526.4/68

In: 24.333+/-0.311 χ^2/NDF:67282.3/54

Out: -11.022+/-0.300 χ^2/NDF:64853.9/61

All: 6.018+/-0.216 χ^2/NDF: 138843.8/116

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1790.600+/-0.288 χ^2/NDF: 1317181.8/31

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1762.949+/-0.274 χ^2/NDF: 1598710.8/36

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

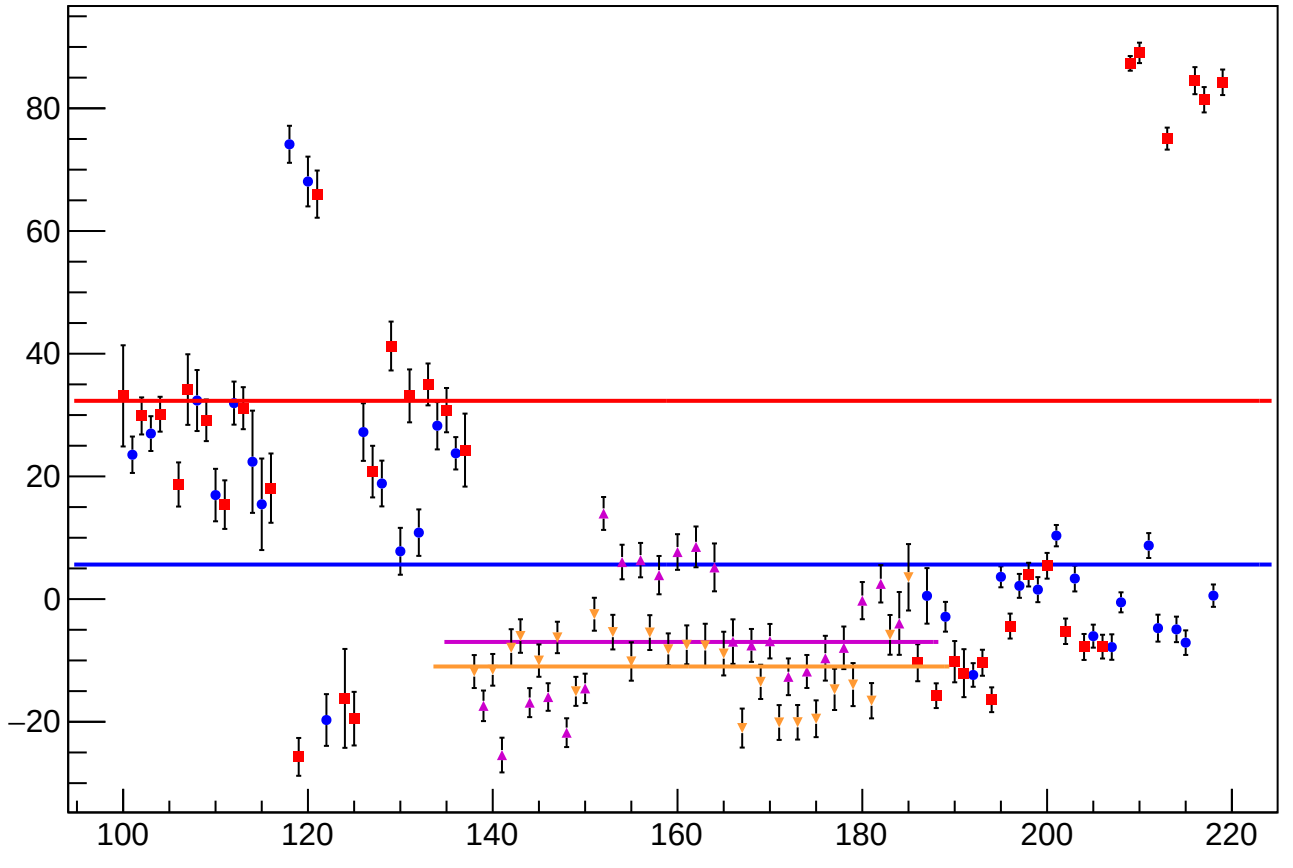
Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

Right: 1776.119+/-0.199 χ^2/NDF: 2920726.0/68

In: 1885.237+/-0.220 χ^2/NDF:2626215.7/54

Out: 1874.368+/-0.212 χ^2/NDF:3130152.9/61

All: 1879.607+/-0.153 χ^2/NDF: 5757636.6/11



Right In: 5.632+/-0.440 χ^2/NDF: 1408.2/31

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 32.318+/-0.419 χ^2/NDF: 10121.2/36

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

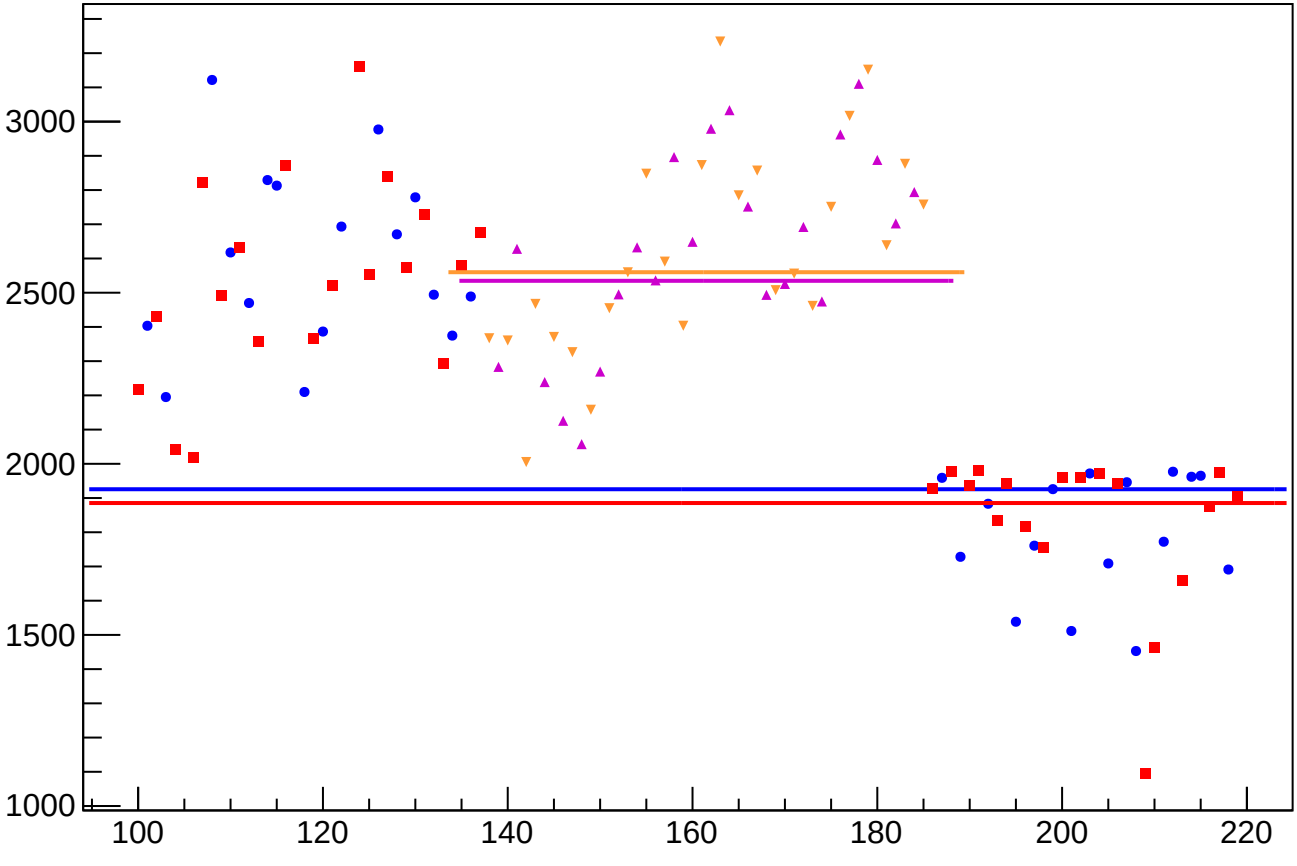
Right: 19.652+/-0.303 χ^2/NDF: 13458.2/68

In: 1.200+/-0.355 χ^2/NDF:2036.0/54

Out: 17.682+/-0.341 χ^2/NDF:13825.3/61

All: 9.775+/-0.246 χ^2/NDF: 16984.6/116

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 1925.694+/-0.311 χ^2/NDF: 1378532.3/31

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 1885.398+/-0.296 χ^2/NDF: 2009979.9/36

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

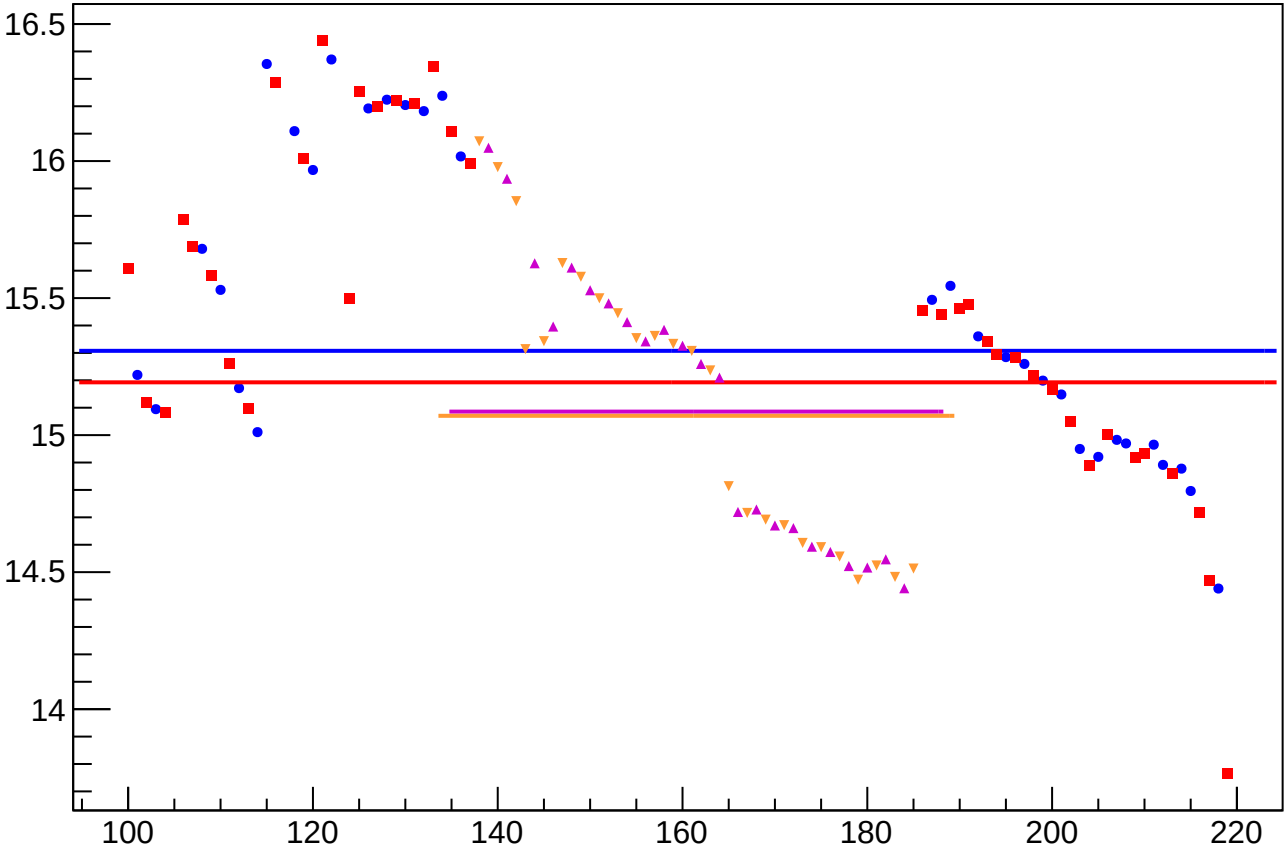
Right: 1904.525+/-0.215 χ^2/NDF: 3397307.8/68

In: 2139.679+/-0.251 χ^2/NDF:3185981.6/54

Out: 2113.383+/-0.241 χ^2/NDF:4215129.6/61

All: 2125.998+/-0.174 χ^2/NDF: 7406829.3/11

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.308+/-0.000 χ^2/NDF: 35977064024.2/31

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.193+/-0.000 χ^2/NDF: 50772014696.4/36

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

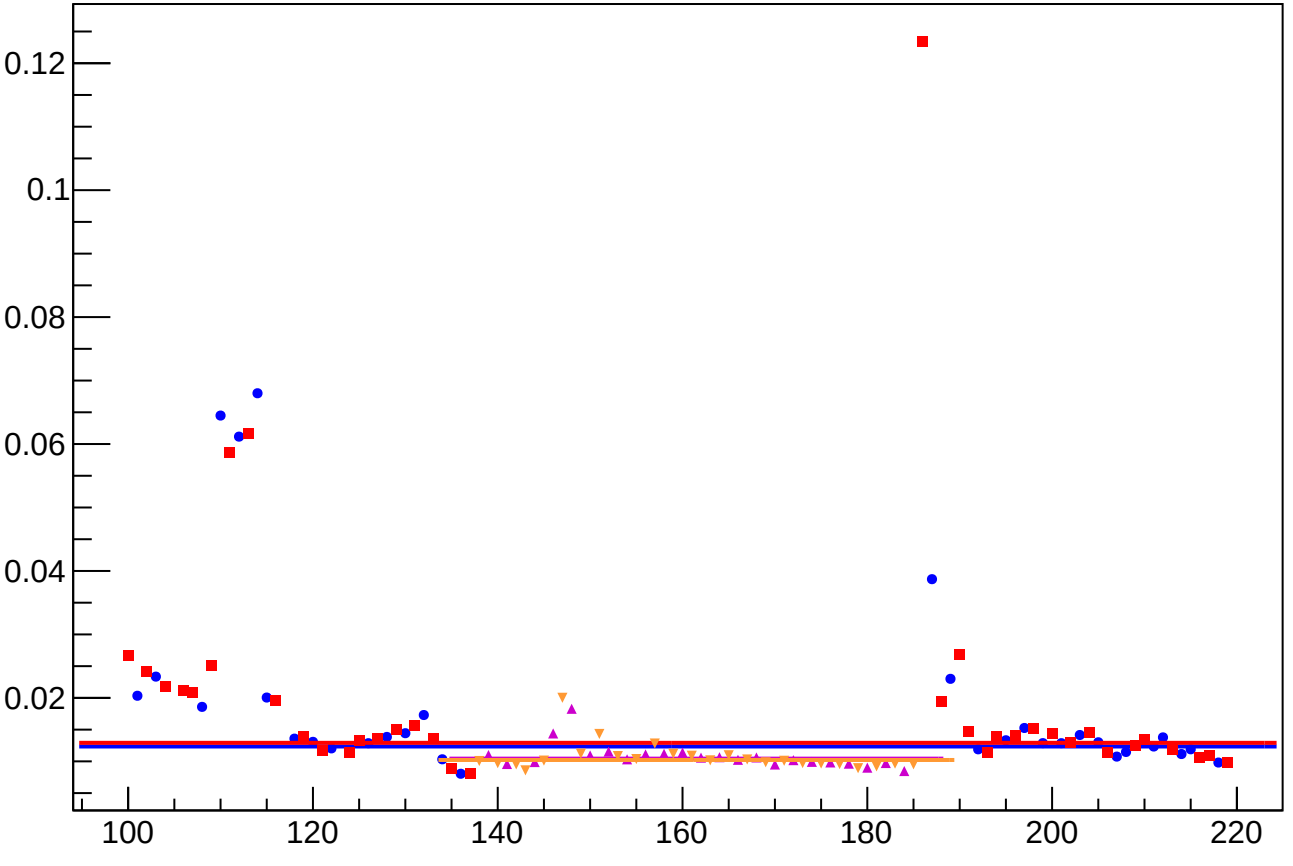
Right: 15.251+/-0.000 χ^2/NDF: 87496532354.9/68

In: 15.180+/-0.000 χ^2/NDF:78763531048.3/54

Out: 15.118+/-0.000 χ^2/NDF:95500148077.3/61

All: 15.148+/-0.000 χ^2/NDF: 174790769237.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 3003890.2/31

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.013+/-0.000 χ^2/NDF: 3754980.5/36

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

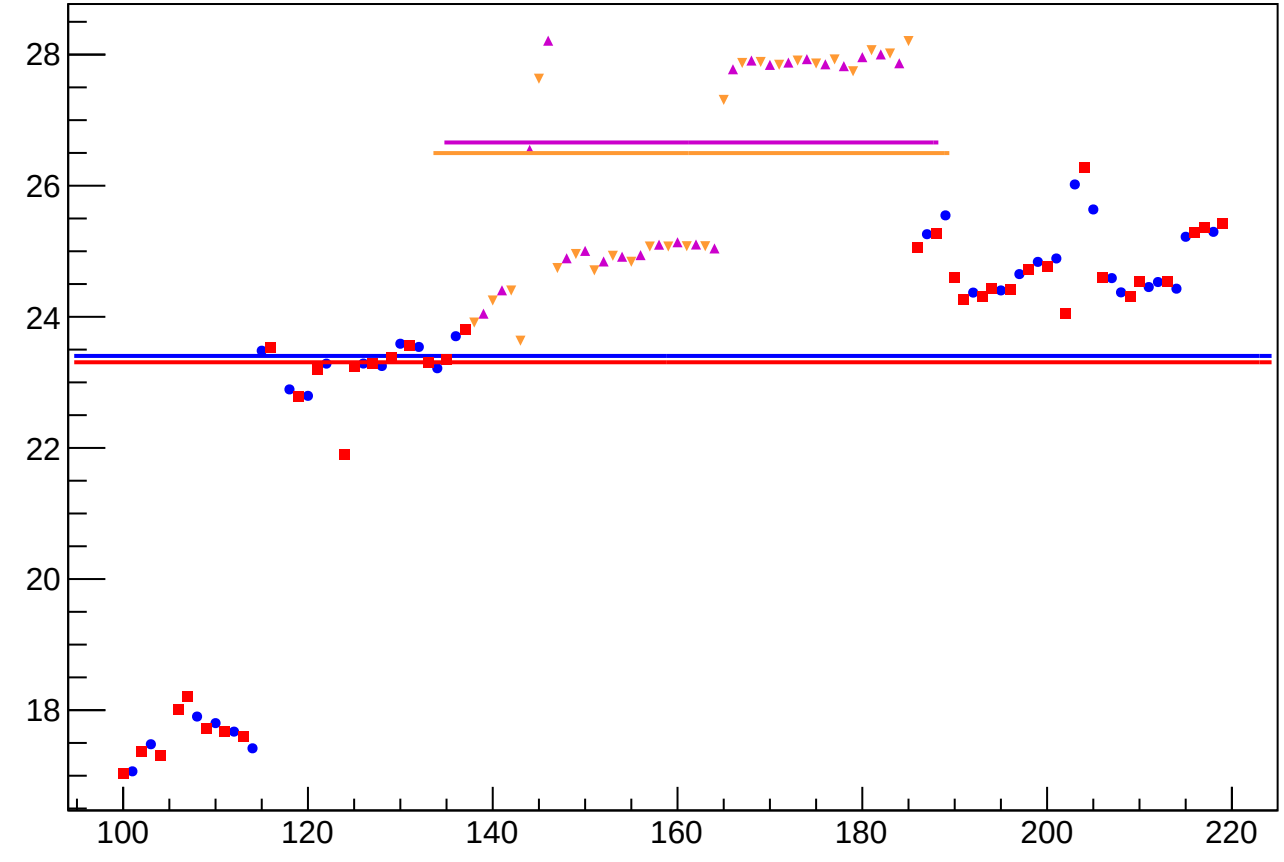
Right: 0.013+/-0.000 χ^2/NDF: 6796453.8/68

In: 0.011+/-0.000 χ^2/NDF:4090595.0/54

Out: 0.011+/-0.000 χ^2/NDF:5503146.8/61

All: 0.011+/-0.000 χ^2/NDF: 9594028.6/116

yield_sam2_mean vs Slug, Sign Corrected



Right In: 23.403+/-0.000 χ^2/NDF: 1759331837.8/31

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 23.307+/-0.000 χ^2/NDF: 1935764835.7/36

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

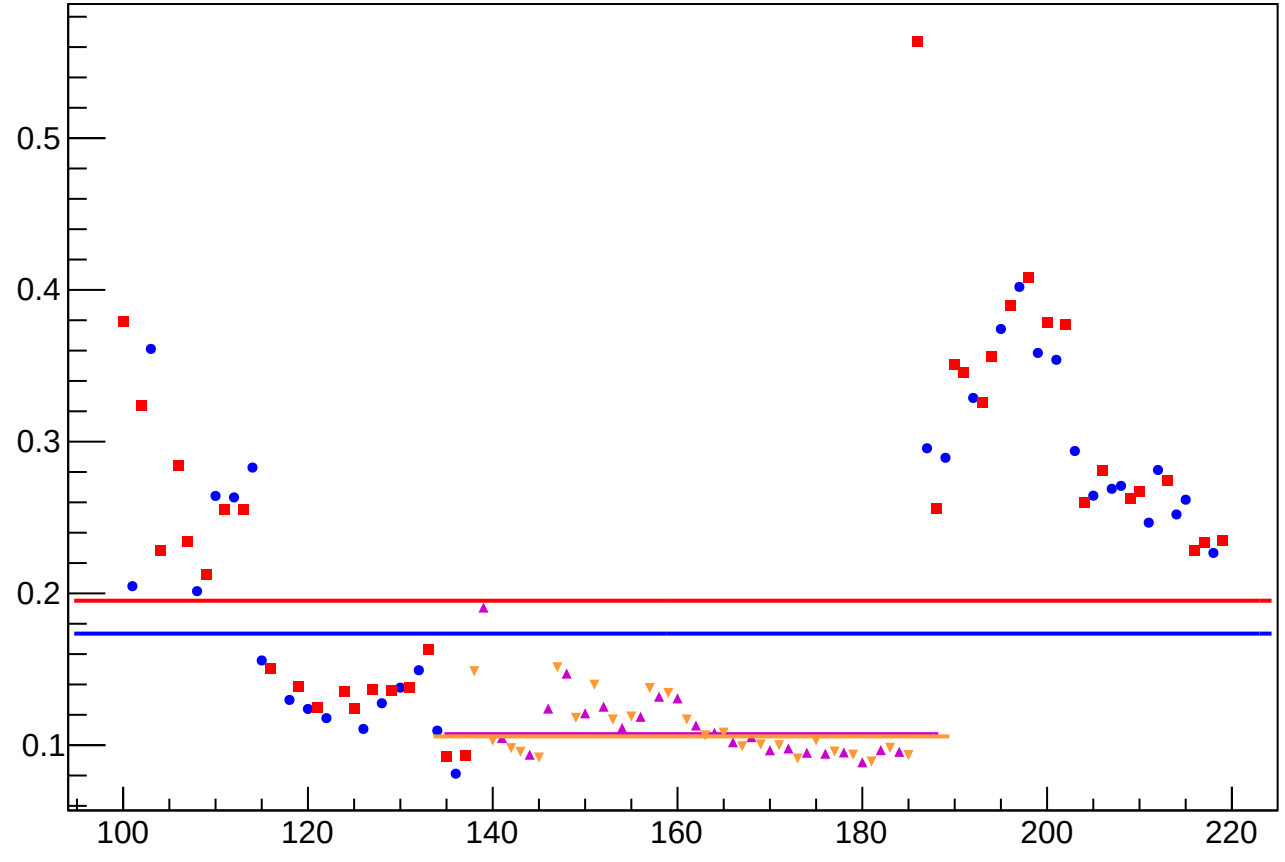
Right: 23.358+/-0.000 χ^2/NDF: 3697279166.5/68

In: 25.789+/-0.000 χ^2/NDF:8500760079.2/54

Out: 25.768+/-0.000 χ^2/NDF:9300215742.8/61

All: 25.778+/-0.000 χ^2/NDF: 17801421952.4

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 7681049.9/31

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.195+/-0.000 χ^2/NDF: 6801167.8/36

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

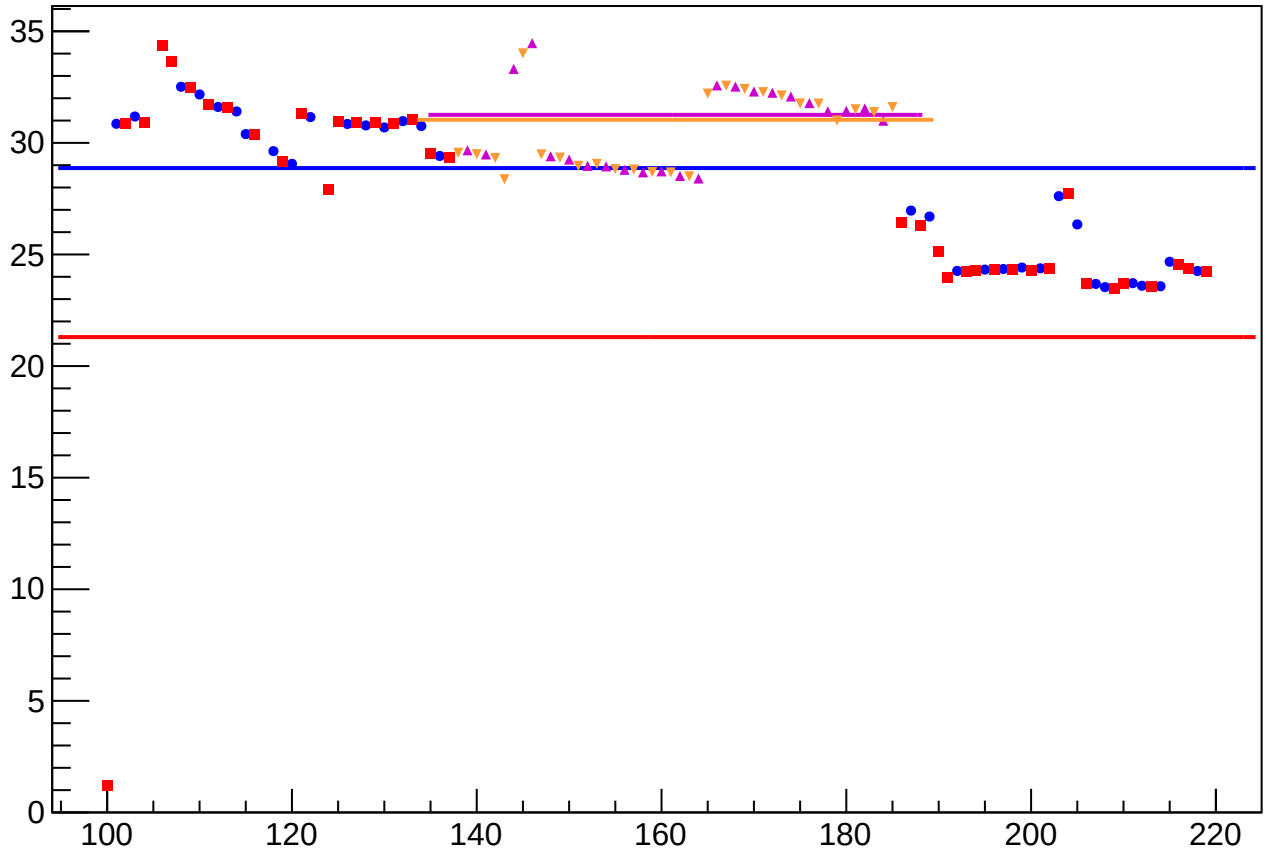
Right: 0.184+/-0.000 χ^2/NDF: 14701478.3/68

In: 0.125+/-0.000 χ^2/NDF:11731842.6/54

Out: 0.126+/-0.000 χ^2/NDF:12982459.7/61

All: 0.126+/-0.000 χ^2/NDF: 24717363.3/116

yield_sam3_mean vs Slug, Sign Corrected



Right In: 28.872+/-0.000 χ^2/NDF: 9006955095.7/31

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 21.299+/-0.000 χ^2/NDF: 227094085033.1/36

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

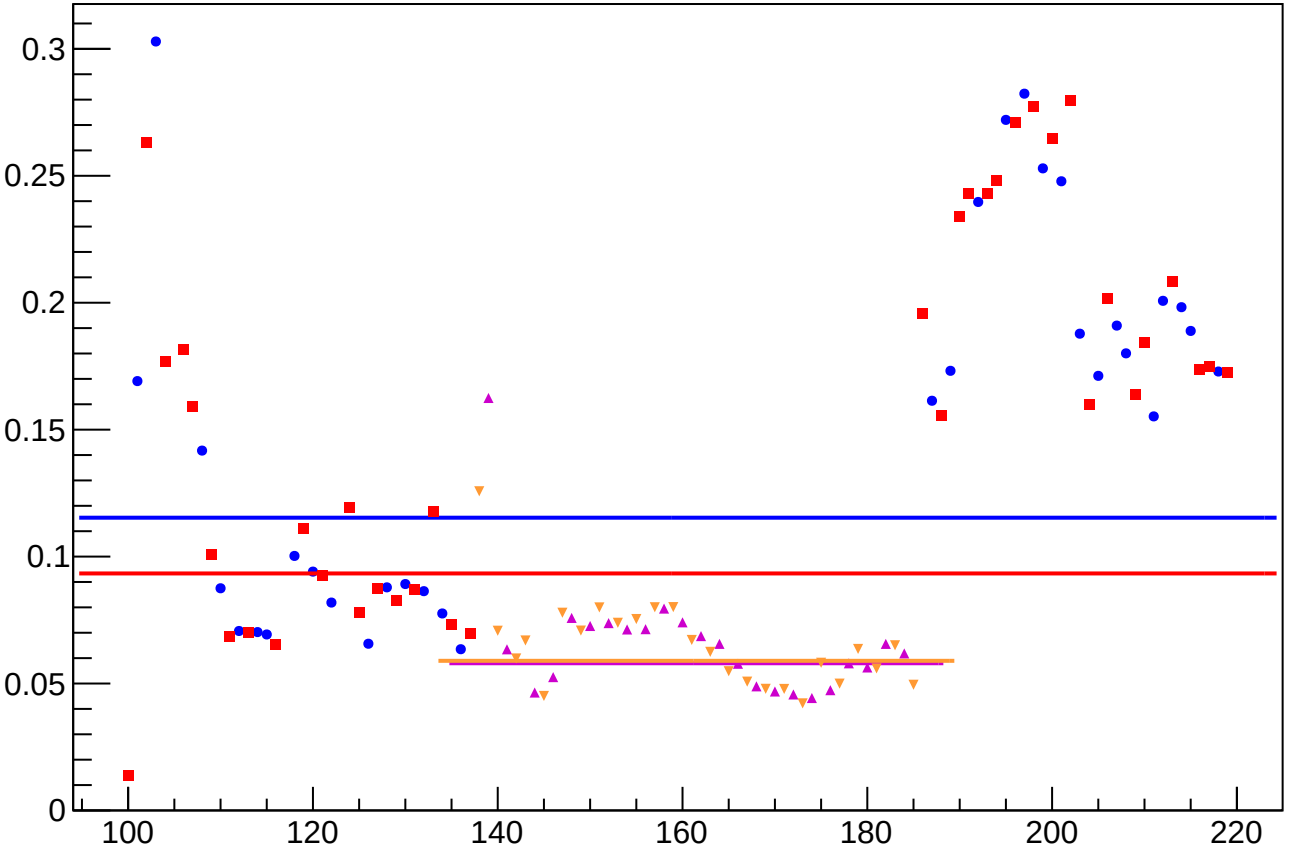
Right: 24.576+/-0.000 χ^2/NDF: 271563413713.9/68

In: 30.757+/-0.000 χ^2/NDF:26497889656.4/54

Out: 28.599+/-0.000 χ^2/NDF:340565173408.0/61

All: 29.629+/-0.000 χ^2/NDF: 379764044135.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.115+/-0.000 χ^2/NDF: 7741810.3/31

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.093+/-0.000 χ^2/NDF: 14482435.3/36

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

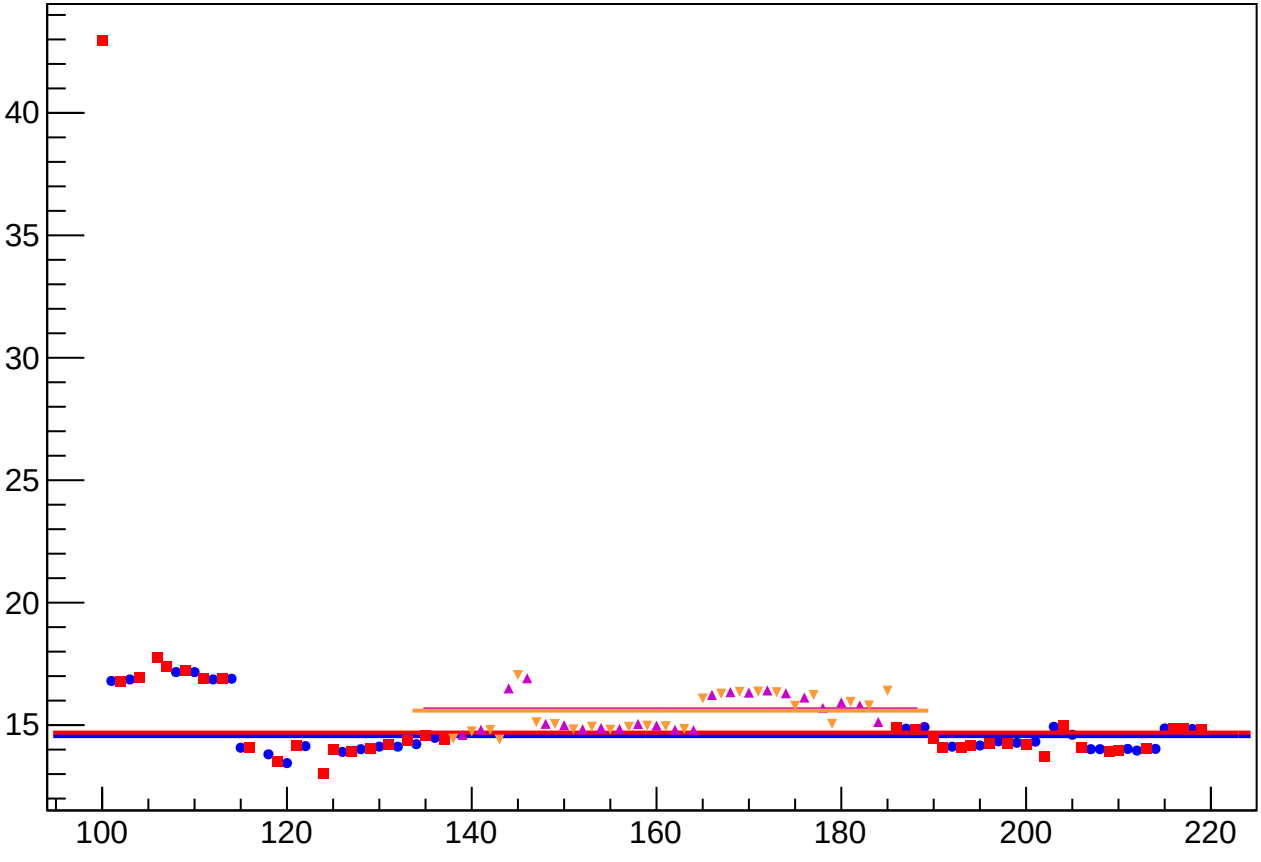
Right: 0.103+/-0.000 χ^2/NDF: 22820701.6/68

In: 0.070+/-0.000 χ^2/NDF:15127623.5/54

Out: 0.068+/-0.000 χ^2/NDF:18557406.7/61

All: 0.069+/-0.000 χ^2/NDF: 33716769.1/116

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.549+/-0.000 χ^2/NDF: 1276374928.3/31

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.695+/-0.000 χ^2/NDF: 1876362459.9/36

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

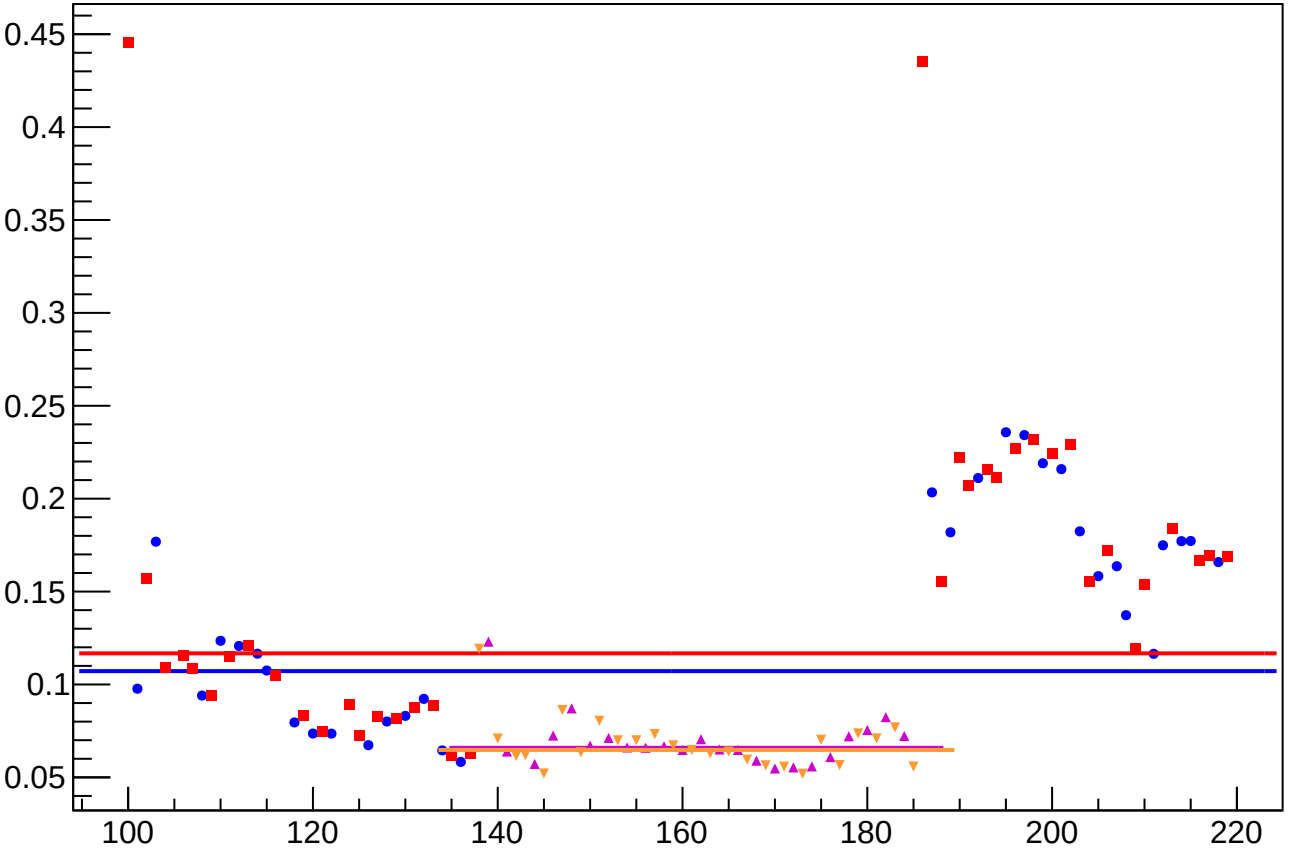
Right: 14.619+/-0.000 χ^2/NDF: 3166408661.8/68

In: 15.345+/-0.000 χ^2/NDF:4310486035.6/54

Out: 15.375+/-0.000 χ^2/NDF:4892314347.3/61

All: 15.360+/-0.000 χ^2/NDF: 9205045575.6/1

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.107+/-0.000 χ^2/NDF: 6708997.3/31

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.117+/-0.000 χ^2/NDF: 6435746.8/36

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

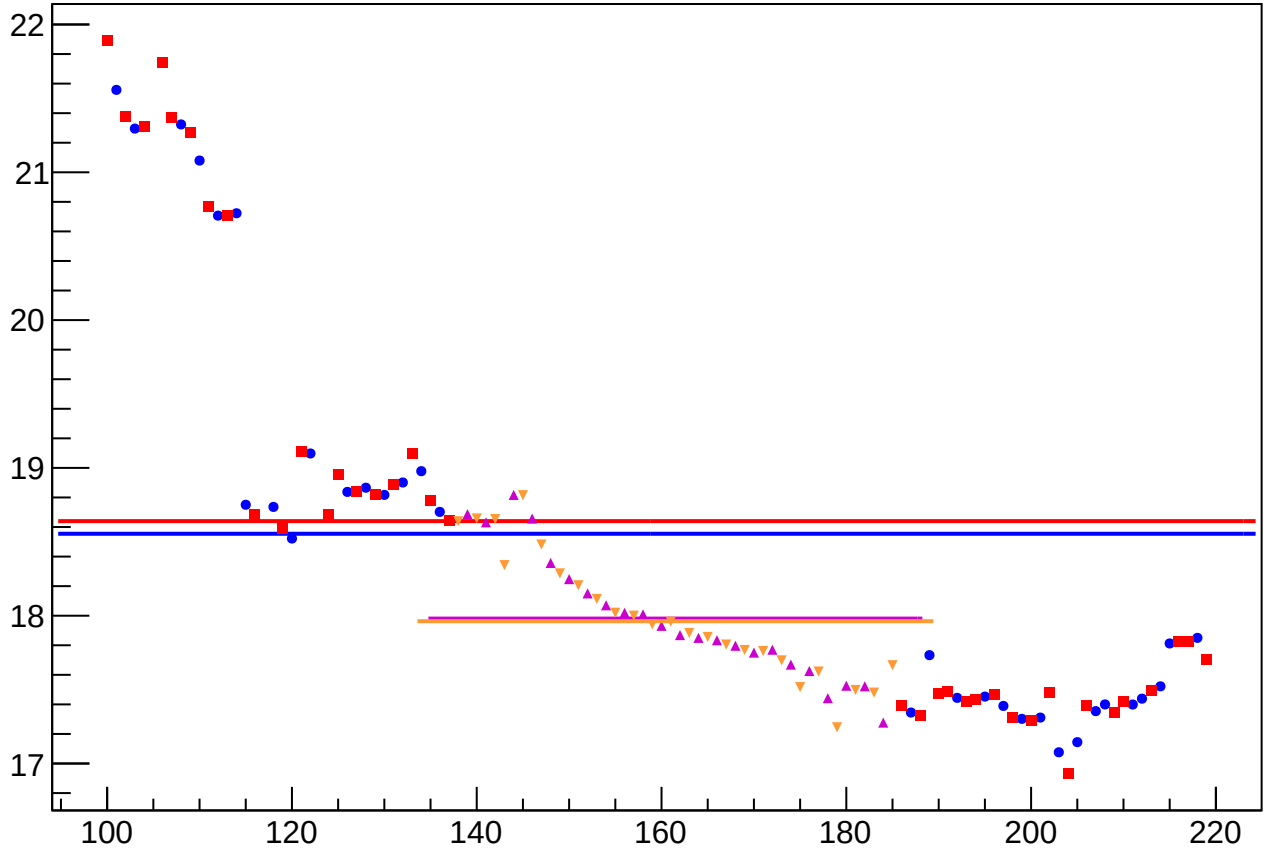
Right: 0.112+/-0.000 χ^2/NDF: 13263350.2/68

In: 0.077+/-0.000 χ^2/NDF:10838855.1/54

Out: 0.077+/-0.000 χ^2/NDF:12396205.5/61

All: 0.077+/-0.000 χ^2/NDF: 23235126.6/116

yield_sam5_mean vs Slug, Sign Corrected



Right In: 18.554+/-0.000 χ^2/NDF: 35555404622.0/31

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.640+/-0.000 χ^2/NDF: 38373745663.1/36

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

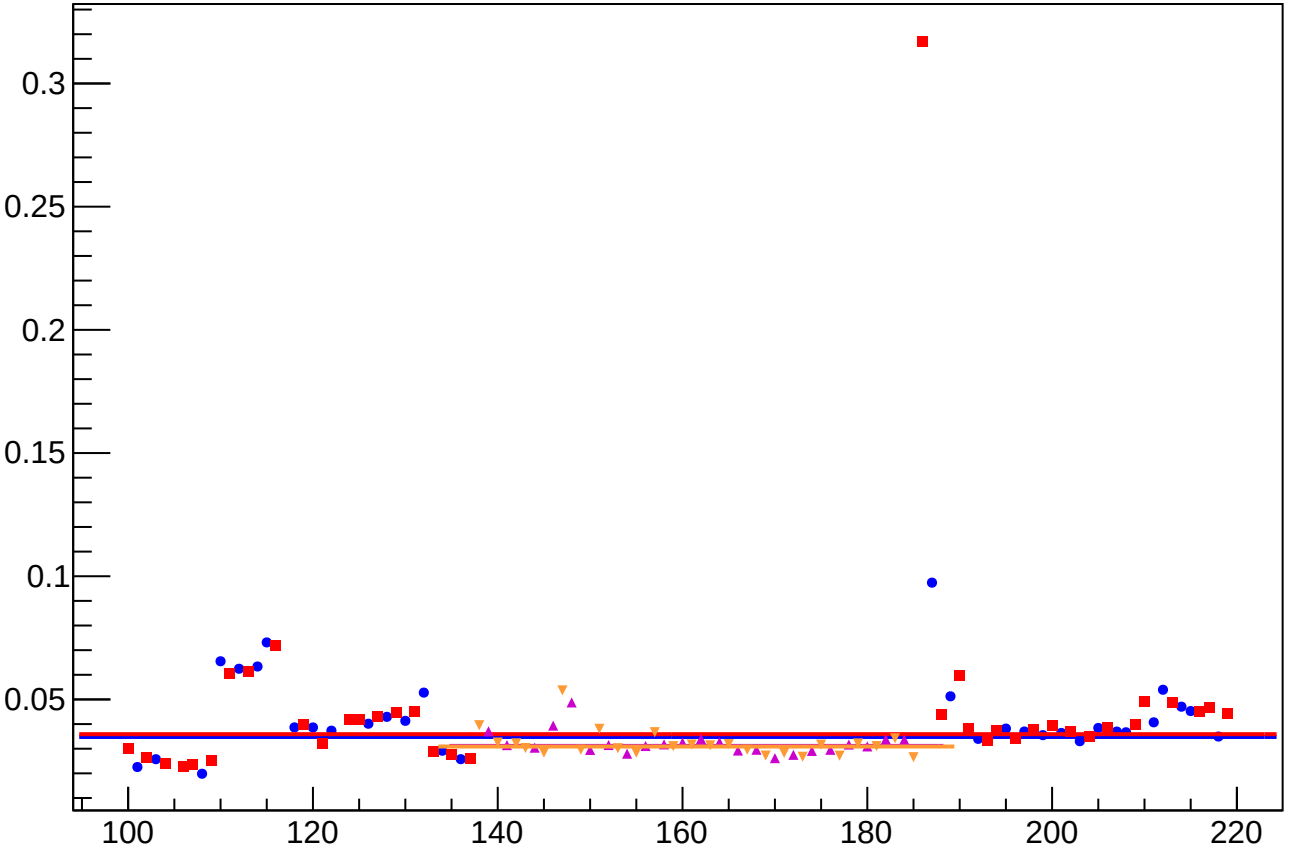
Right: 18.597+/-0.000 χ^2/NDF: 73982912213.2/68

In: 18.240+/-0.000 χ^2/NDF:40936893632.0/54

Out: 18.256+/-0.000 χ^2/NDF:45230403144.2/61

All: 18.248+/-0.000 χ^2/NDF: 86171820812.7

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.035+/-0.000 χ^2/NDF: 2459828.8/31

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.036+/-0.000 χ^2/NDF: 2806822.8/36

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

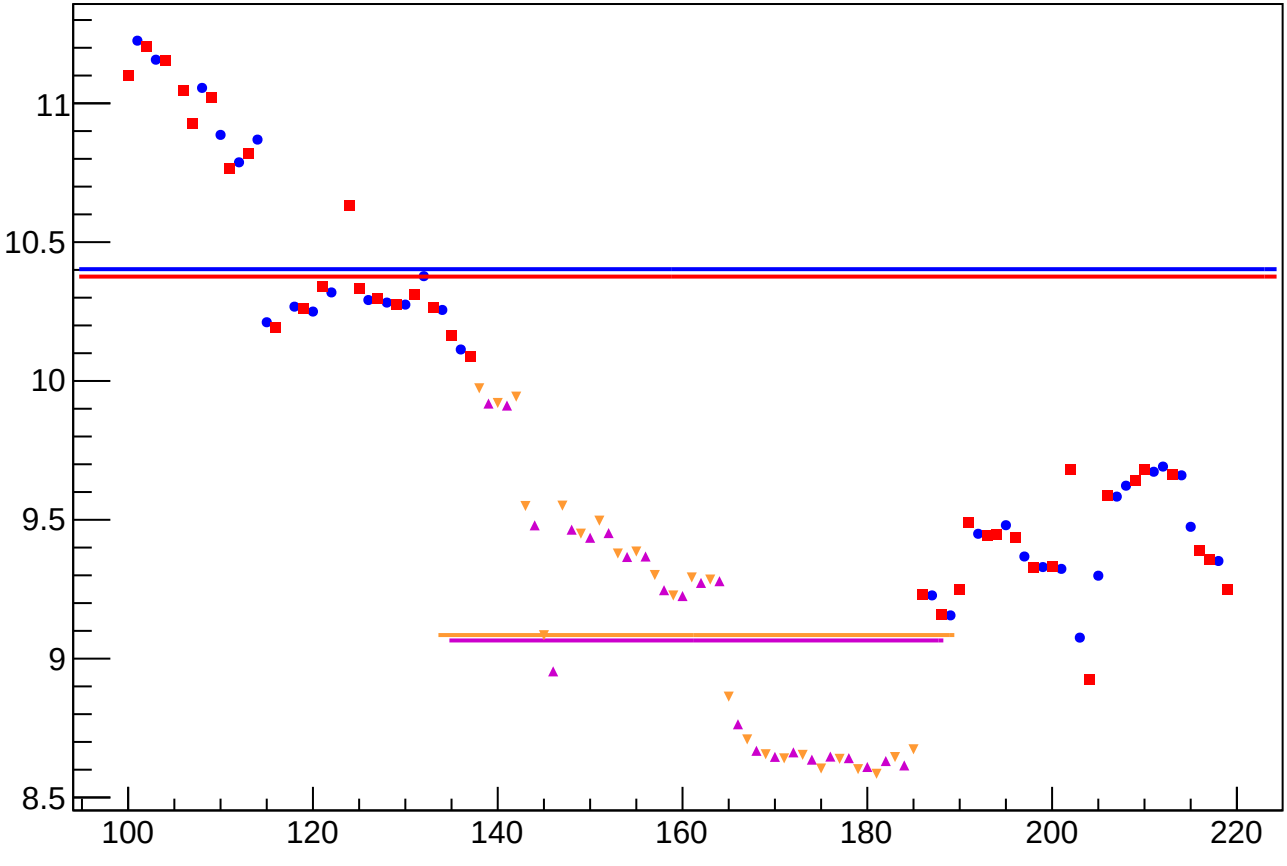
Right: 0.035+/-0.000 χ^2/NDF: 5285265.5/68

In: 0.033+/-0.000 χ^2/NDF:3156450.4/54

Out: 0.033+/-0.000 χ^2/NDF:3857760.4/61

All: 0.033+/-0.000 χ^2/NDF: 7016838.7/116

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.403+/-0.000 χ^2/NDF: 17798929445.1/31

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.376+/-0.000 χ^2/NDF: 17540532924.1/36

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

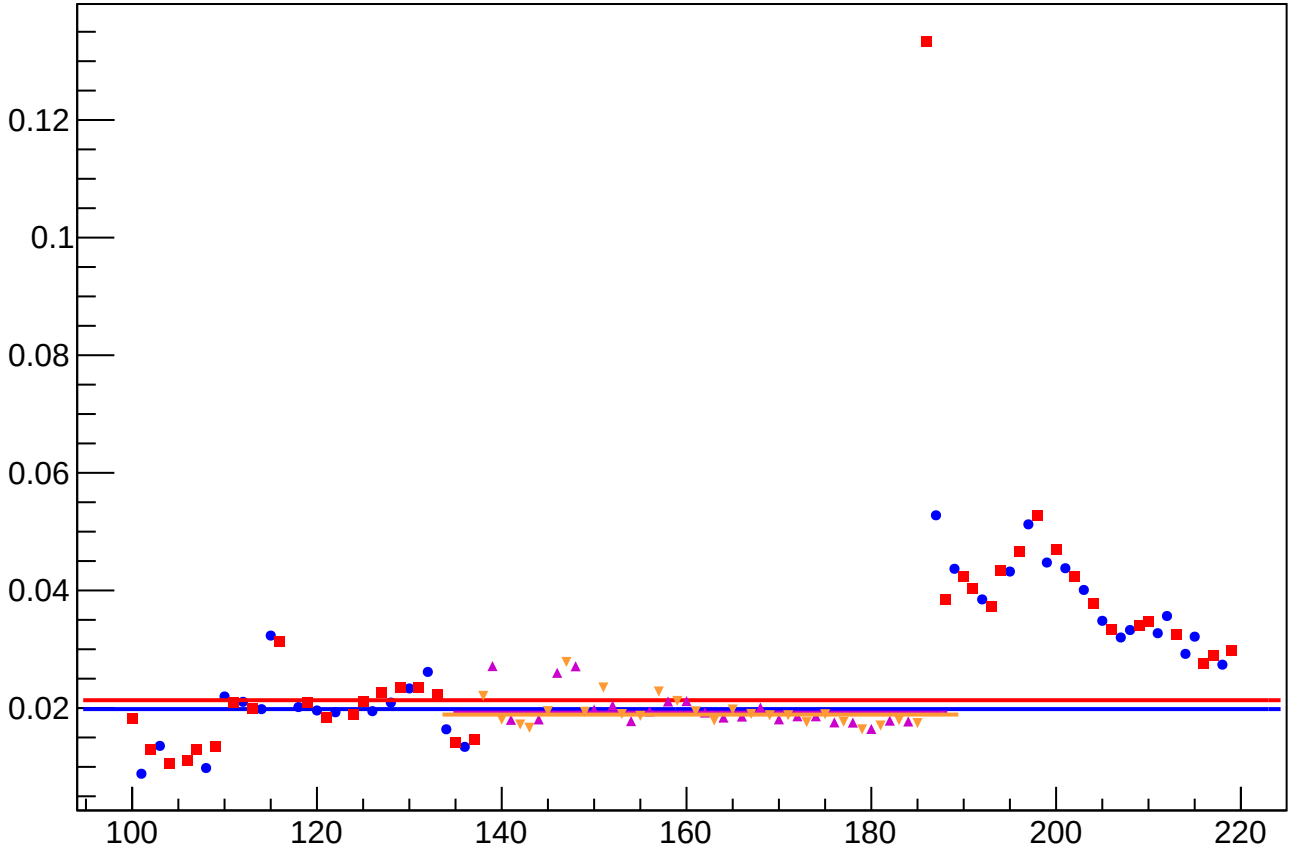
Right: 10.390+/-0.000 χ^2/NDF: 35352510408.7/68

In: 9.674+/-0.000 χ^2/NDF:62304477119.6/54

Out: 9.626+/-0.000 χ^2/NDF:62197232816.4/61

All: 9.650+/-0.000 χ^2/NDF: 124595881324.1

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 8554363.6/31

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.021+/-0.000 χ^2/NDF: 8279438.3/36

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

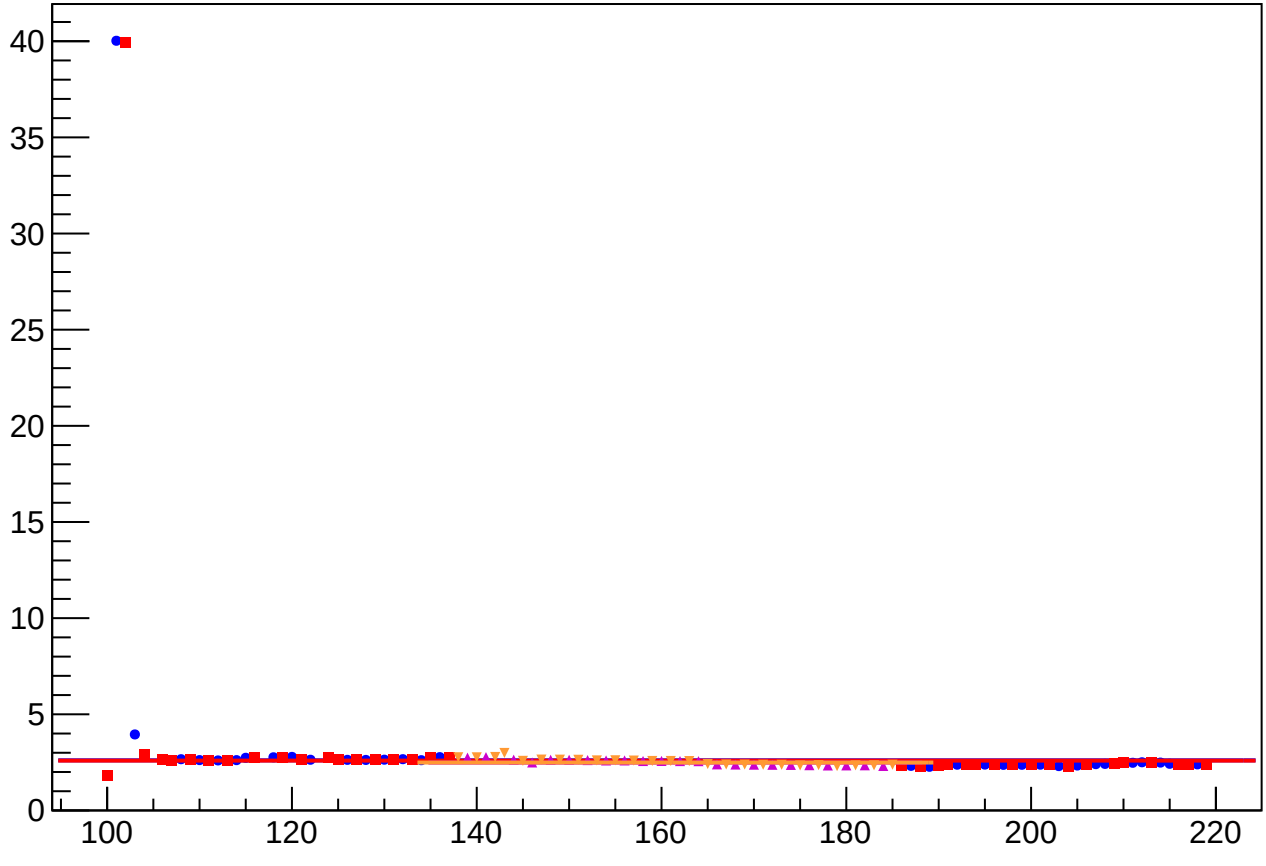
Right: 0.021+/-0.000 χ^2/NDF: 16917254.7/68

In: 0.020+/-0.000 χ^2/NDF:9109596.7/54

Out: 0.020+/-0.000 χ^2/NDF:8967528.4/61

All: 0.020+/-0.000 χ^2/NDF: 18091694.2/116

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.607+/-0.000 χ^2/NDF: 90759992560.6/31

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.592+/-0.000 χ^2/NDF: 90899825682.1/36

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

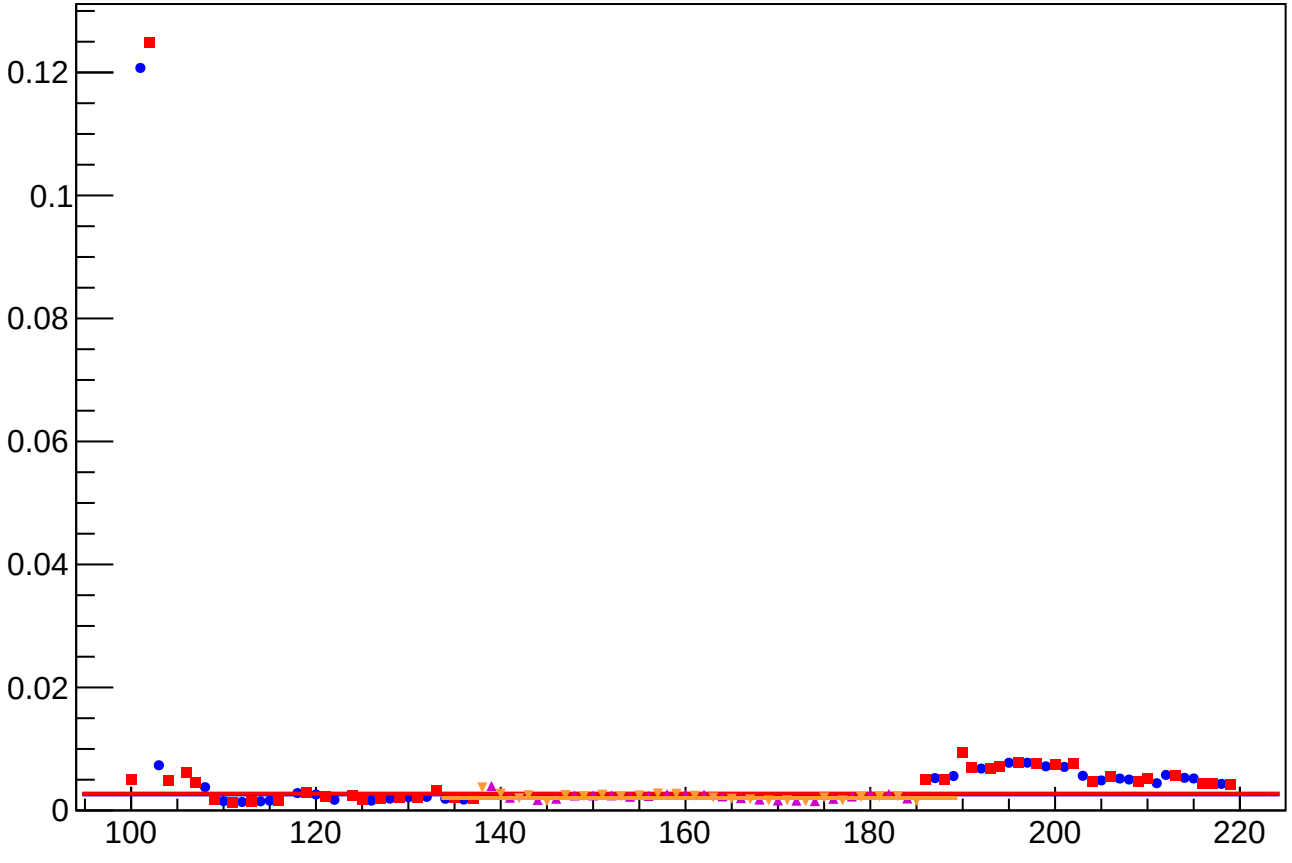
Right: 2.599+/-0.000 χ^2/NDF: 181869559294.4/68

In: 2.530+/-0.000 χ^2/NDF:168789836714.7/54

Out: 2.524+/-0.000 χ^2/NDF:195793490120.6/61

All: 2.527+/-0.000 χ^2/NDF: 364667428645.1

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 11082789.9/31

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12069593.0/36

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

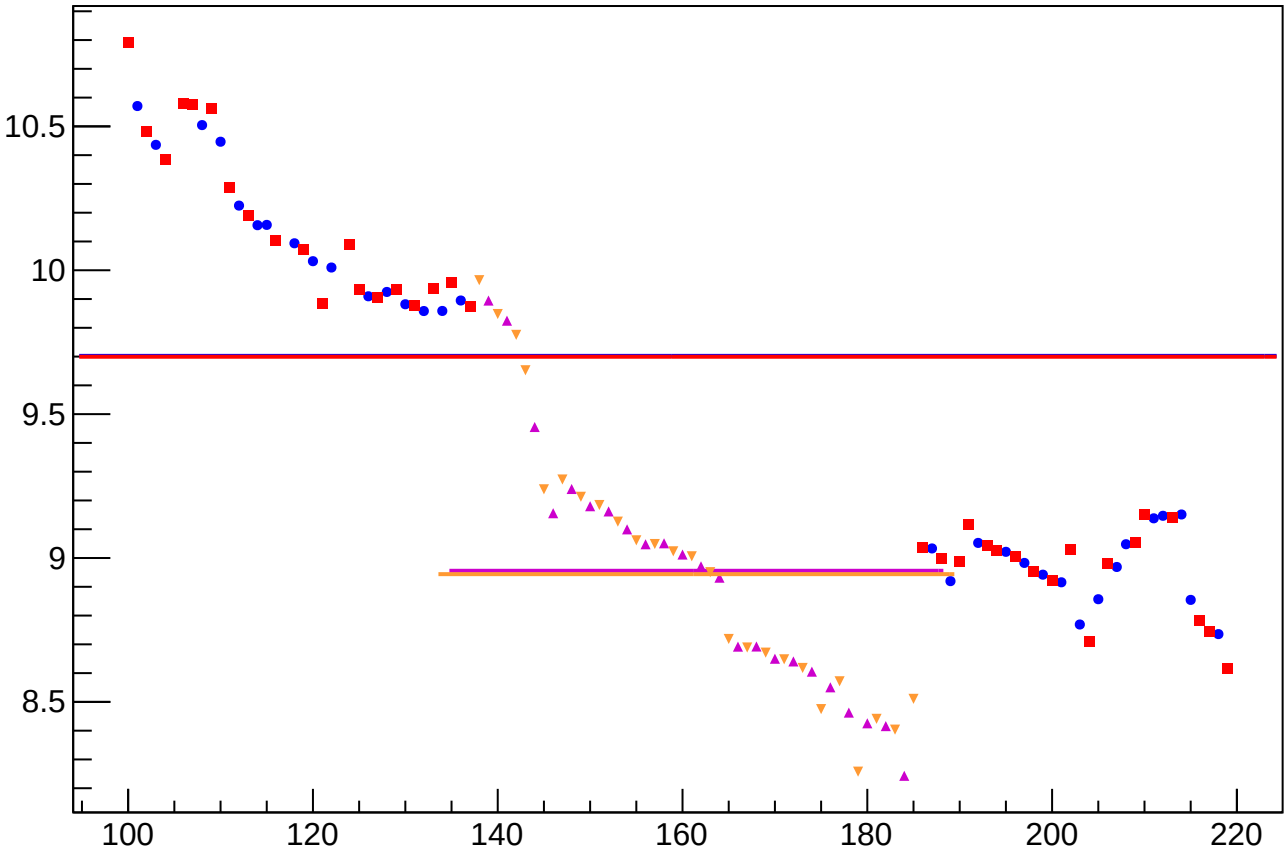
Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

Right: 0.003+/-0.000 χ^2/NDF: 23182498.2/68

In: 0.002+/-0.000 χ^2/NDF:13201926.2/54

Out: 0.002+/-0.000 χ^2/NDF:14897241.2/61

All: 0.002+/-0.000 χ^2/NDF: 28099200.2/116



Right In: 9.702+/-0.000 χ^2/NDF: 100738919508.1/31

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.700+/-0.000 χ^2/NDF: 131162306869.6/36

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

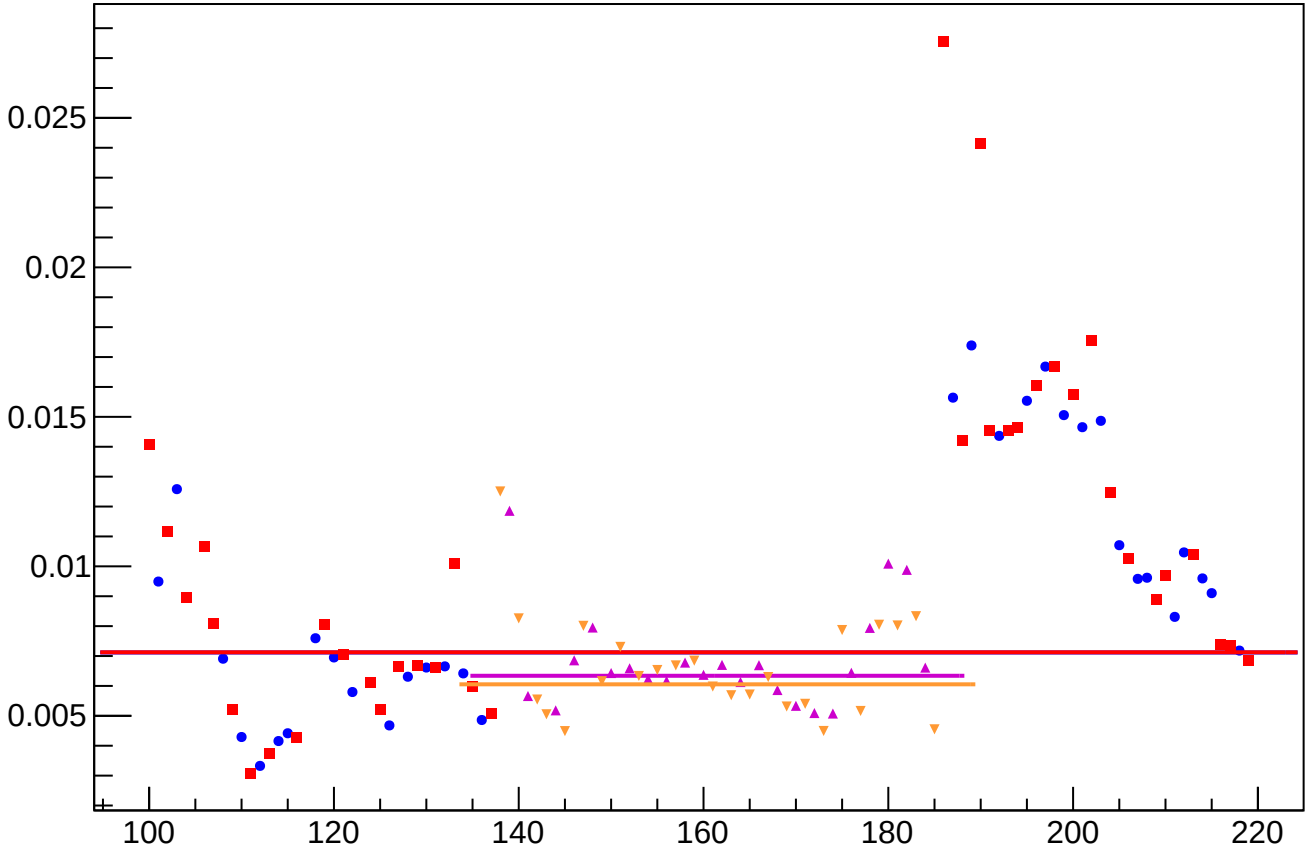
Right: 9.701+/-0.000 χ^2/NDF: 231902572594.3/68

In: 9.293+/-0.000 χ^2/NDF:243589976690.0/54

Out: 9.267+/-0.000 χ^2/NDF:298813505152.8/61

All: 9.280+/-0.000 χ^2/NDF: 542633112825.0

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6699032.9/31

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8347375.2/36

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

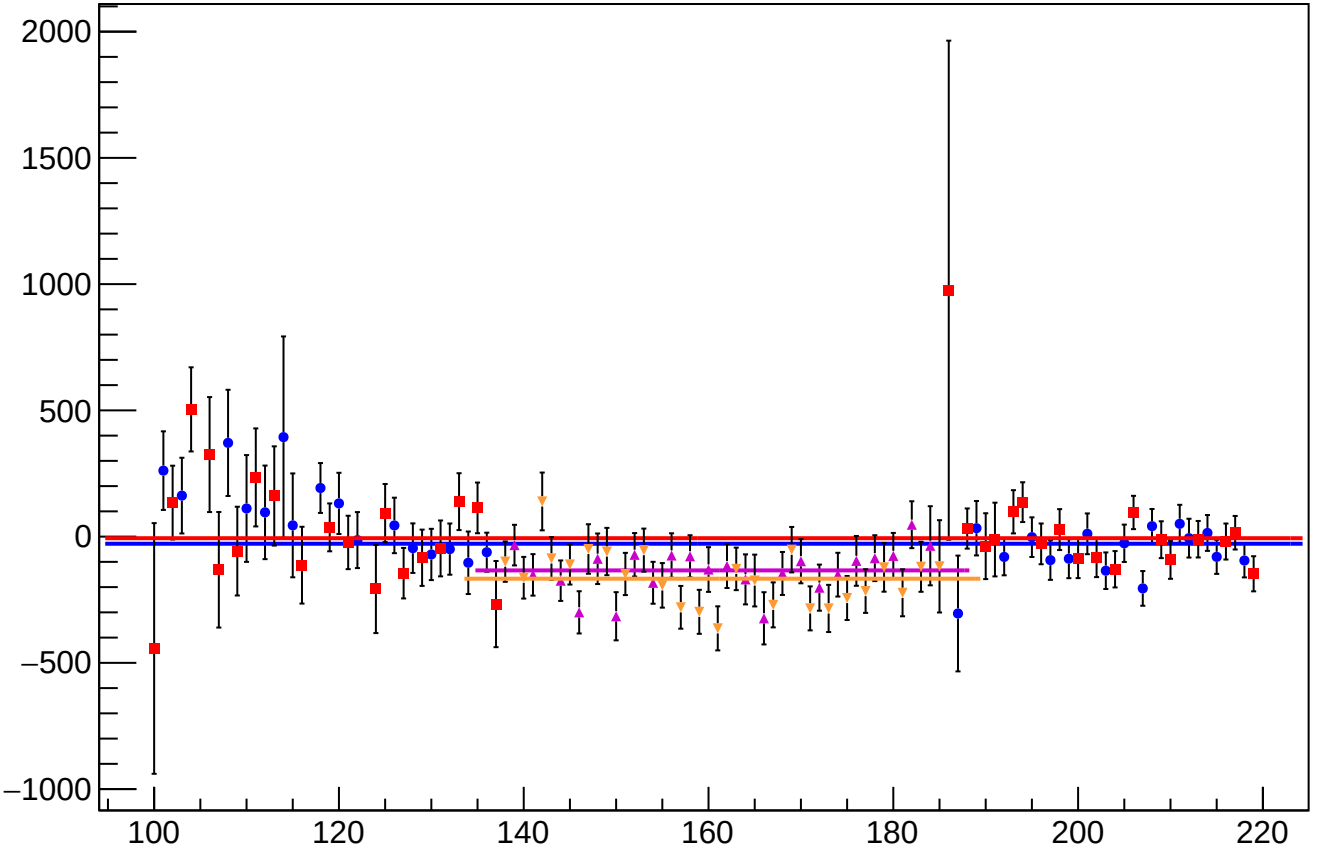
Right: 0.007+/-0.000 χ^2/NDF: 15046420.9/68

In: 0.007+/-0.000 χ^2/NDF:8072841.0/54

Out: 0.007+/-0.000 χ^2/NDF:10217518.0/61

All: 0.007+/-0.000 χ^2/NDF: 18312629.5/116

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -28.212+/-16.254 χ^2/NDF: 35.7/31

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -6.347+/-16.114 χ^2/NDF: 45.9/36

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

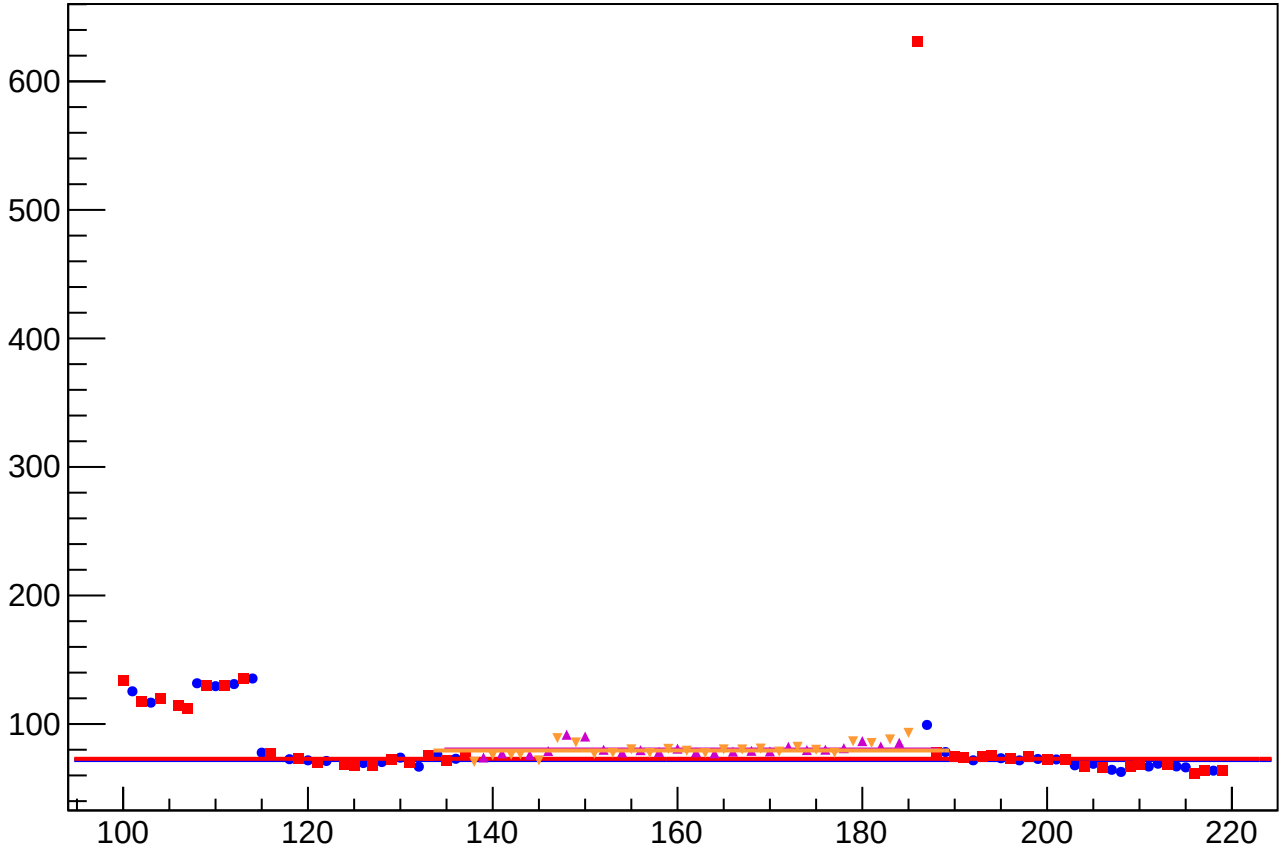
Right: -17.185+/-11.444 χ^2/NDF: 82.5/68

In: -73.519+/-12.283 χ^2/NDF:74.6/54

Out: -77.331+/-12.029 χ^2/NDF:121.3/61

All: -75.465+/-8.595 χ^2/NDF: 196.0/116

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 71.943+/-0.011 χ^2/NDF: 1161491.2/31

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 72.949+/-0.011 χ^2/NDF: 1940415.5/36

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

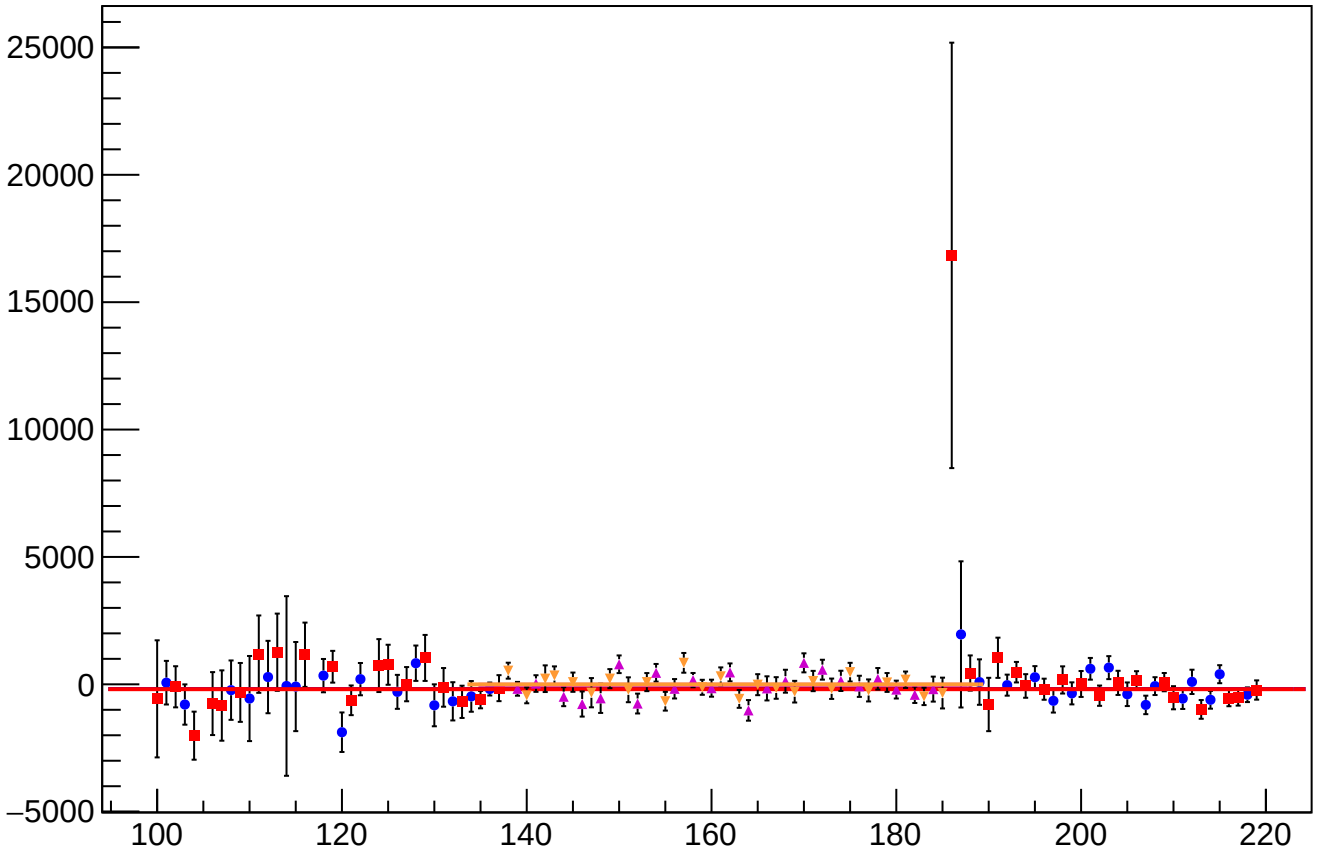
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 72.450+/-0.008 χ^2/NDF: 3105771.8/68

In: 75.467+/-0.009 χ^2/NDF:1472186.0/54

Out: 75.810+/-0.009 χ^2/NDF:2217561.9/61

All: 75.642+/-0.006 χ^2/NDF: 3690540.8/116



Right In: -183.759+/-87.936 χ^2/NDF: 29.3/31

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -190.475+/-88.342 χ^2/NDF: 36.8/36

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

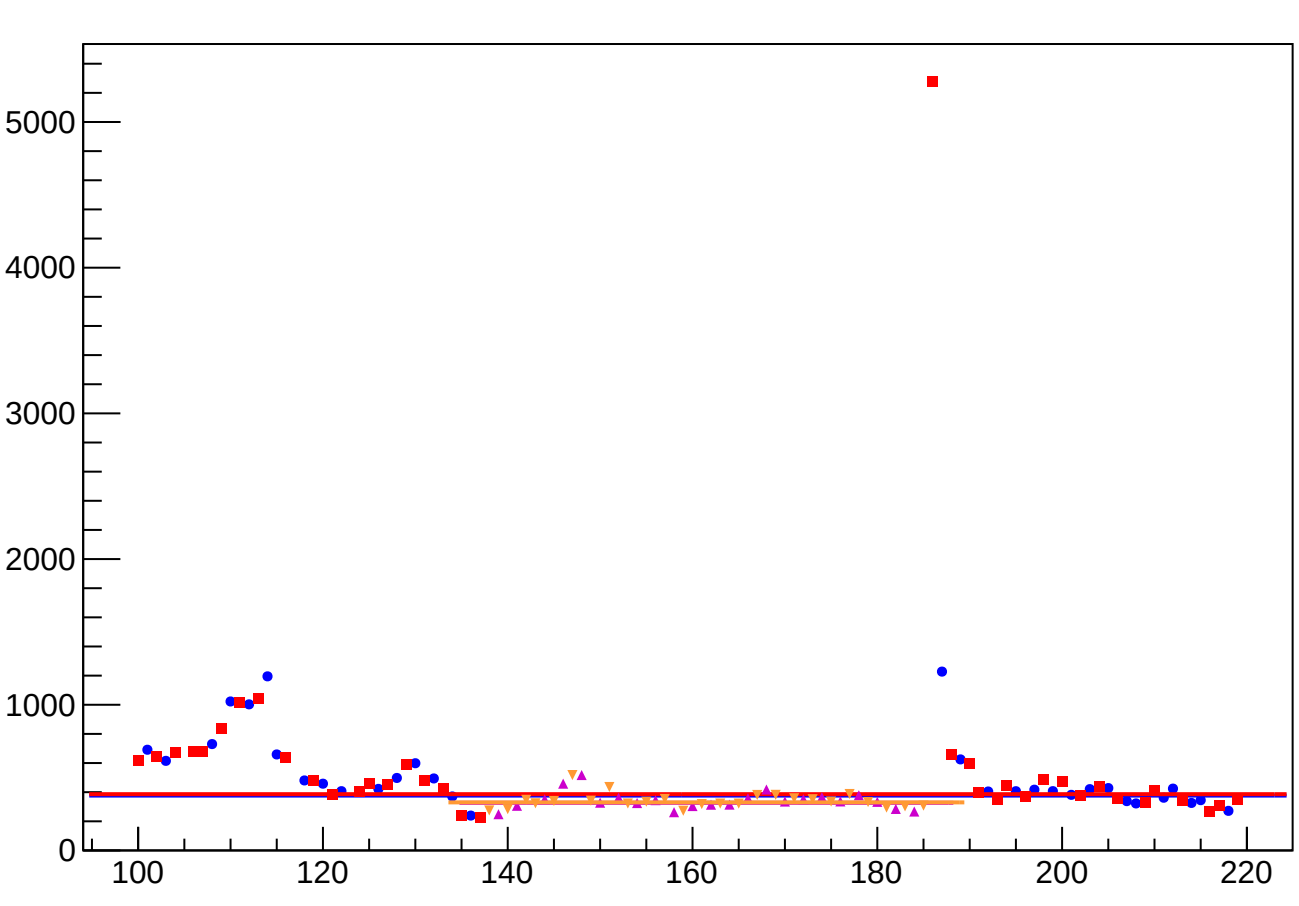
Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

Right: -187.101+/-62.323 χ^2/NDF: 66.1/68

In: -91.237+/-58.159 χ^2/NDF:66.3/54

Out: -82.844+/-57.554 χ^2/NDF:63.4/61

All: -86.997+/-40.909 χ^2/NDF: 129.7/116



Right In: 376.719+/-0.062 χ^2/NDF: 3244145.9/31

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 386.306+/-0.062 χ^2/NDF: 4276770.5/36

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

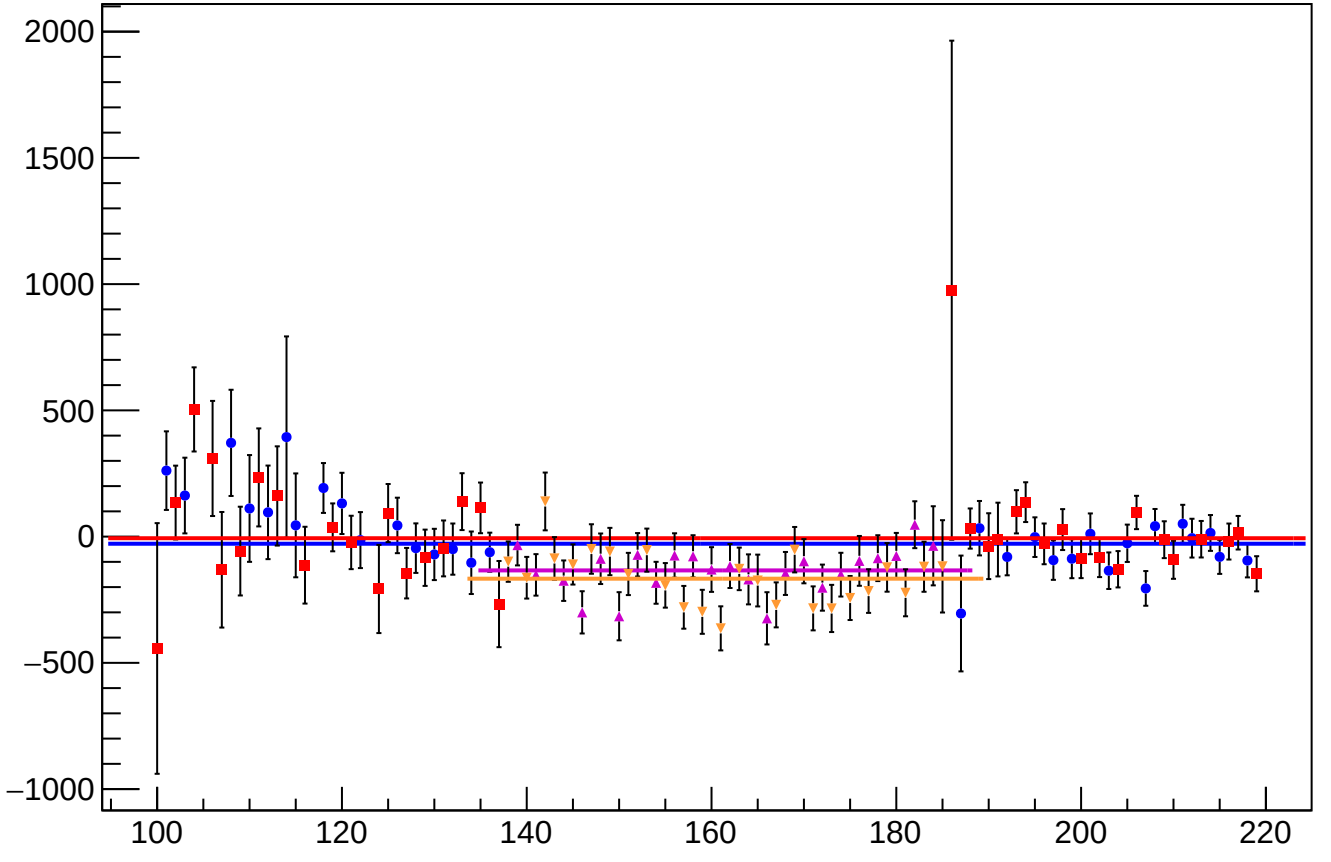
Right: 381.490+/-0.044 χ^2/NDF: 7532747.2/68

In: 348.728+/-0.041 χ^2/NDF:4503688.2/54

Out: 353.880+/-0.041 χ^2/NDF:5404169.4/61

All: 351.331+/-0.029 χ^2/NDF: 9915787.1/116

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -28.214+/-16.254 χ^2/NDF: 35.7/31

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -6.429+/-16.115 χ^2/NDF: 45.7/36

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

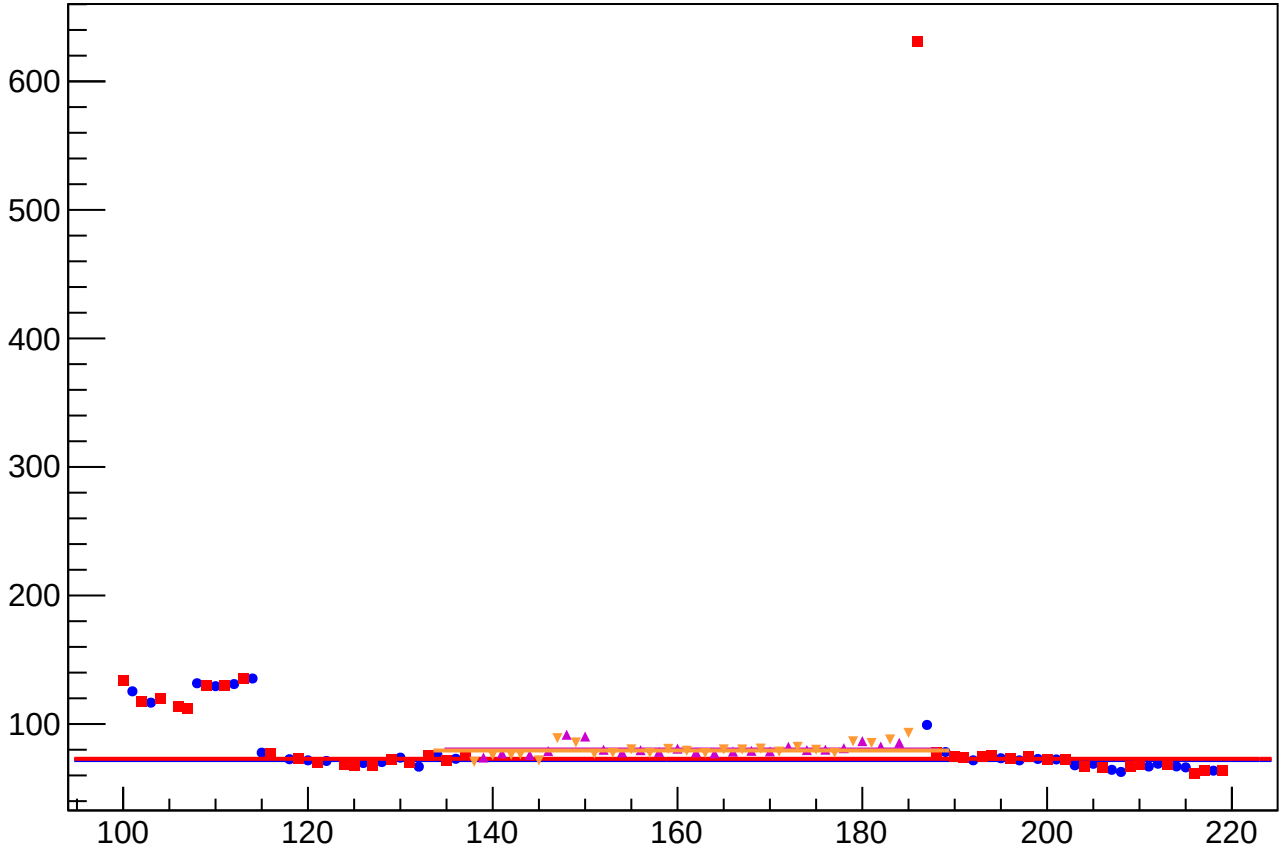
Right: -17.227+/-11.444 χ^2/NDF: 82.3/68

In: -73.523+/-12.283 χ^2/NDF:74.6/54

Out: -77.377+/-12.029 χ^2/NDF:121.1/61

All: -75.490+/-8.595 χ^2/NDF: 195.7/116

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 71.943+/-0.011 χ^2/NDF: 1161491.4/31

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 72.945+/-0.011 χ^2/NDF: 1937970.8/36

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

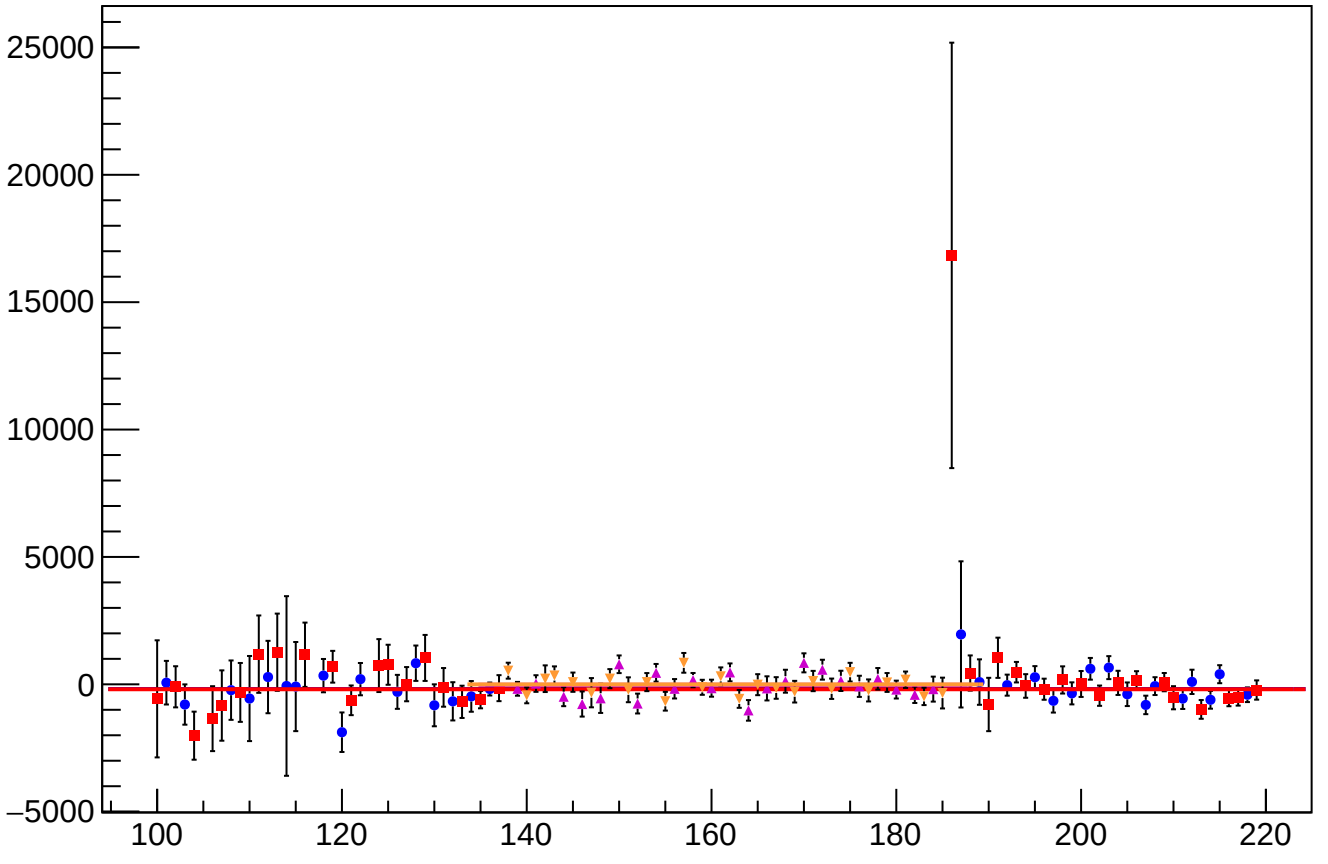
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 72.448+/-0.008 χ^2/NDF: 3103295.2/68

In: 75.467+/-0.009 χ^2/NDF:1472186.2/54

Out: 75.808+/-0.009 χ^2/NDF:2215300.9/61

All: 75.641+/-0.006 χ^2/NDF: 3688269.4/116



Right In: -183.764+/-87.936 χ^2/NDF: 29.3/31

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -193.149+/-88.356 χ^2/NDF: 37.4/36

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

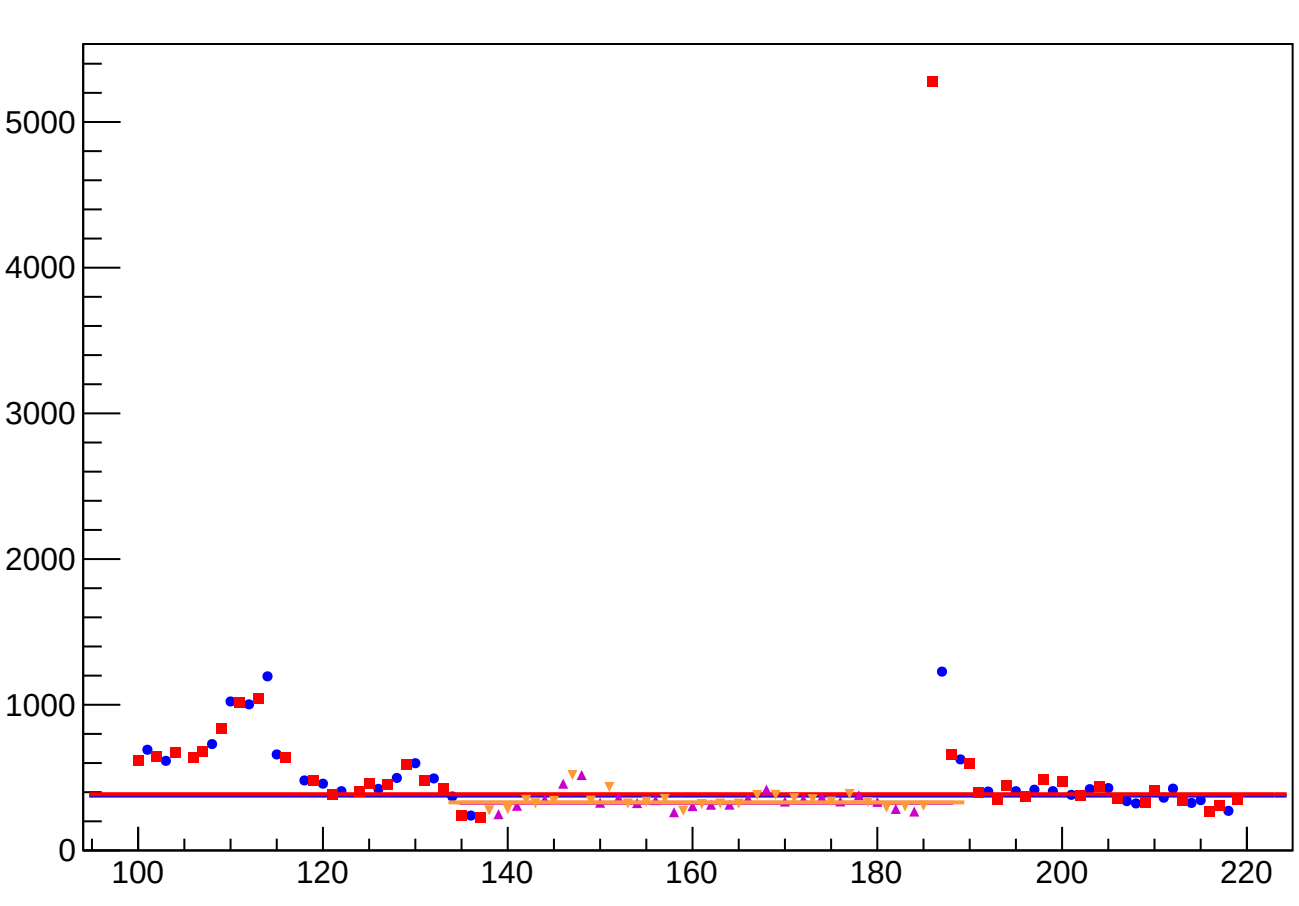
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -188.434+/-62.328 χ^2/NDF: 66.7/68

In: -91.243+/-58.159 χ^2/NDF:66.3/54

Out: -83.965+/-57.558 χ^2/NDF:64.1/61

All: -87.566+/-40.910 χ^2/NDF: 130.4/116



Right In: 376.719+/-0.062 χ^2/NDF: 3244148.5/31

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 386.027+/-0.062 χ^2/NDF: 4243510.3/36

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

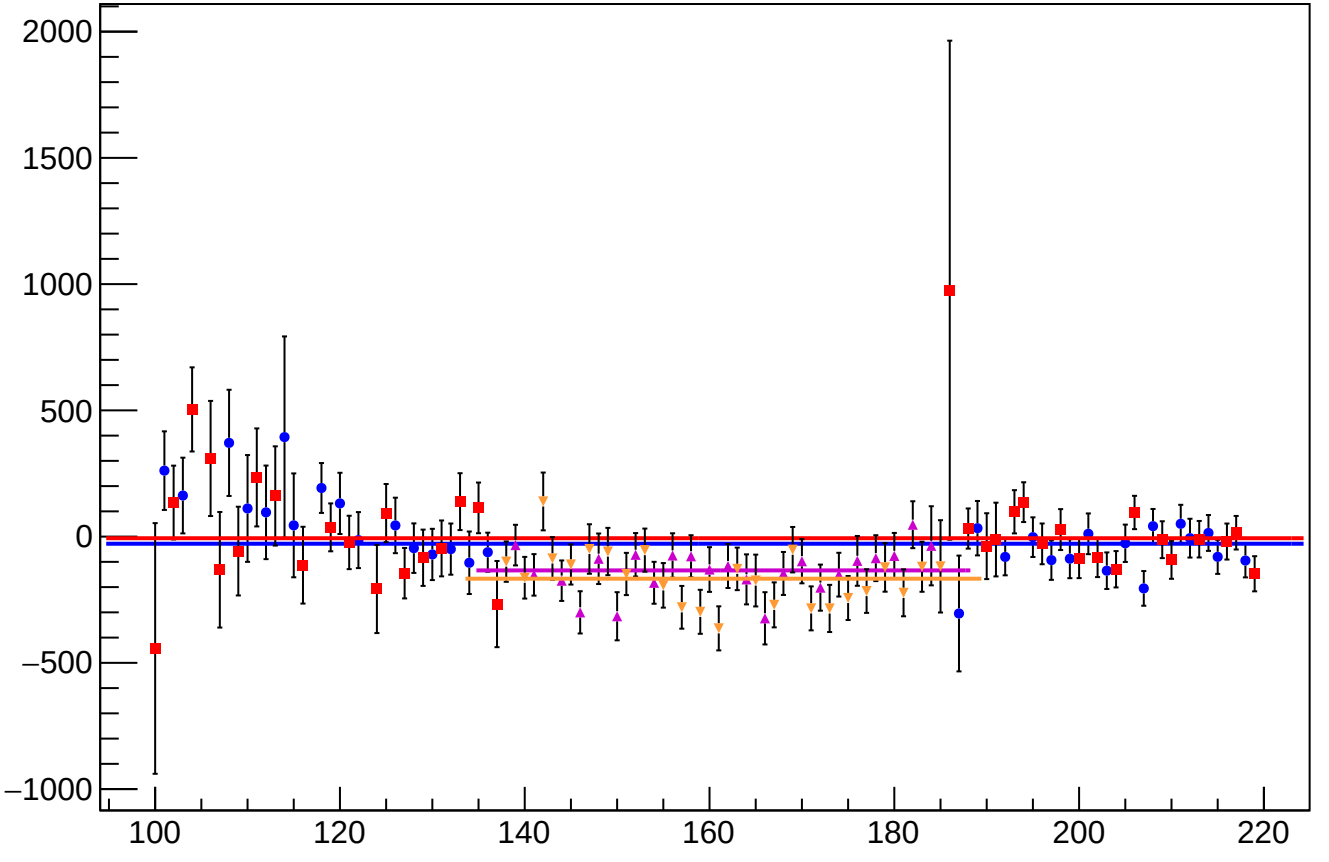
Right: 381.351+/-0.044 χ^2/NDF: 7498810.4/68

In: 348.728+/-0.041 χ^2/NDF:4503692.9/54

Out: 353.757+/-0.041 χ^2/NDF:5366217.8/61

All: 351.269+/-0.029 χ^2/NDF: 9877467.2/116

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -28.214+/-16.254 χ^2/NDF: 35.7/31

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -6.429+/-16.115 χ^2/NDF: 45.7/36

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

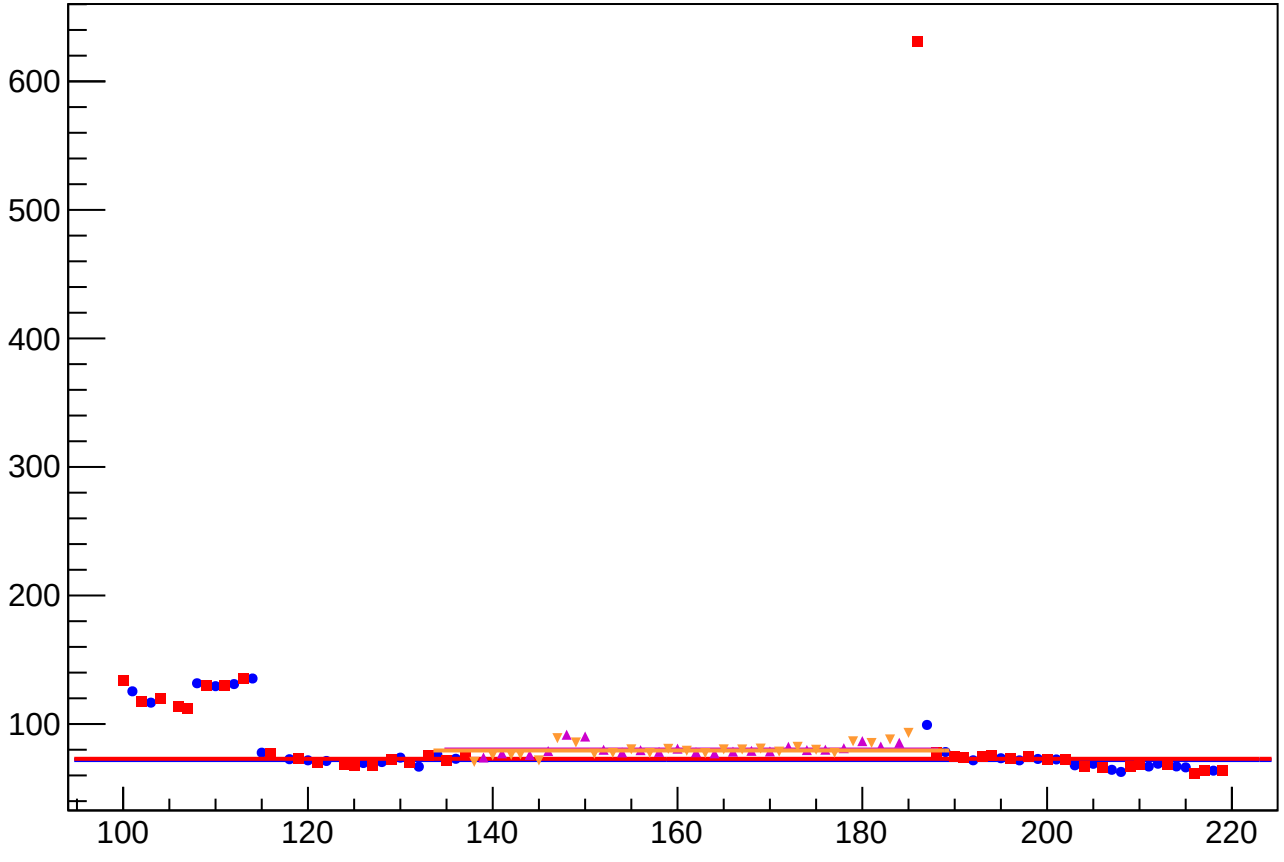
Right: -17.227+/-11.444 χ^2/NDF: 82.3/68

In: -73.523+/-12.283 χ^2/NDF:74.6/54

Out: -77.377+/-12.029 χ^2/NDF:121.1/61

All: -75.490+/-8.595 χ^2/NDF: 195.7/116

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 71.943+/-0.011 χ^2/NDF: 1161491.4/31

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 72.945+/-0.011 χ^2/NDF: 1937970.8/36

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

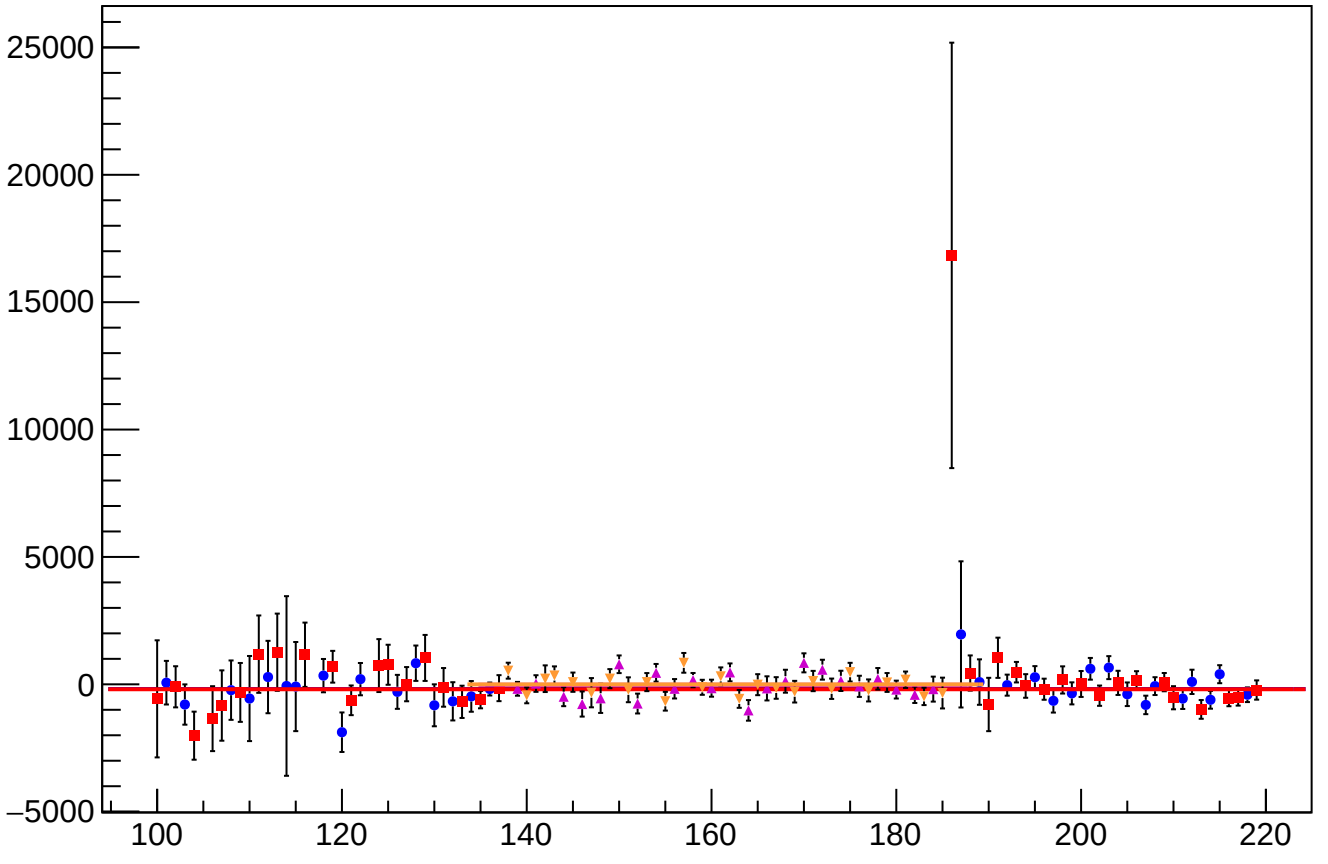
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 72.448+/-0.008 χ^2/NDF: 3103295.2/68

In: 75.467+/-0.009 χ^2/NDF:1472186.2/54

Out: 75.808+/-0.009 χ^2/NDF:2215300.9/61

All: 75.641+/-0.006 χ^2/NDF: 3688269.4/116



Right In: -183.764+/-87.936 χ^2/NDF: 29.3/31

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -193.149+/-88.356 χ^2/NDF: 37.4/36

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

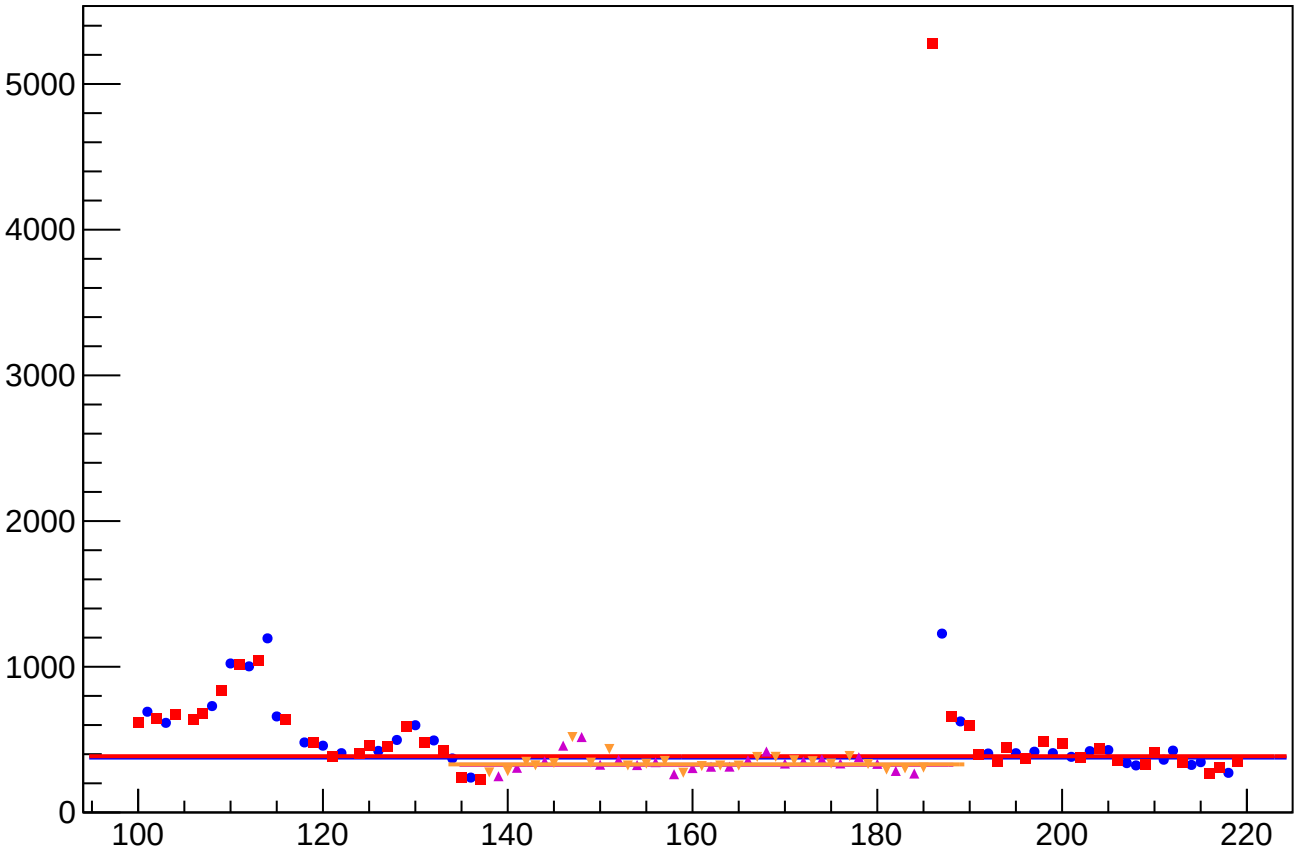
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -188.434+/-62.328 χ^2/NDF: 66.7/68

In: -91.243+/-58.159 χ^2/NDF:66.3/54

Out: -83.965+/-57.558 χ^2/NDF:64.1/61

All: -87.566+/-40.910 χ^2/NDF: 130.4/116



Right In: 376.719+/-0.062 χ^2/NDF: 3244148.5/31

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 386.027+/-0.062 χ^2/NDF: 4243510.3/36

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

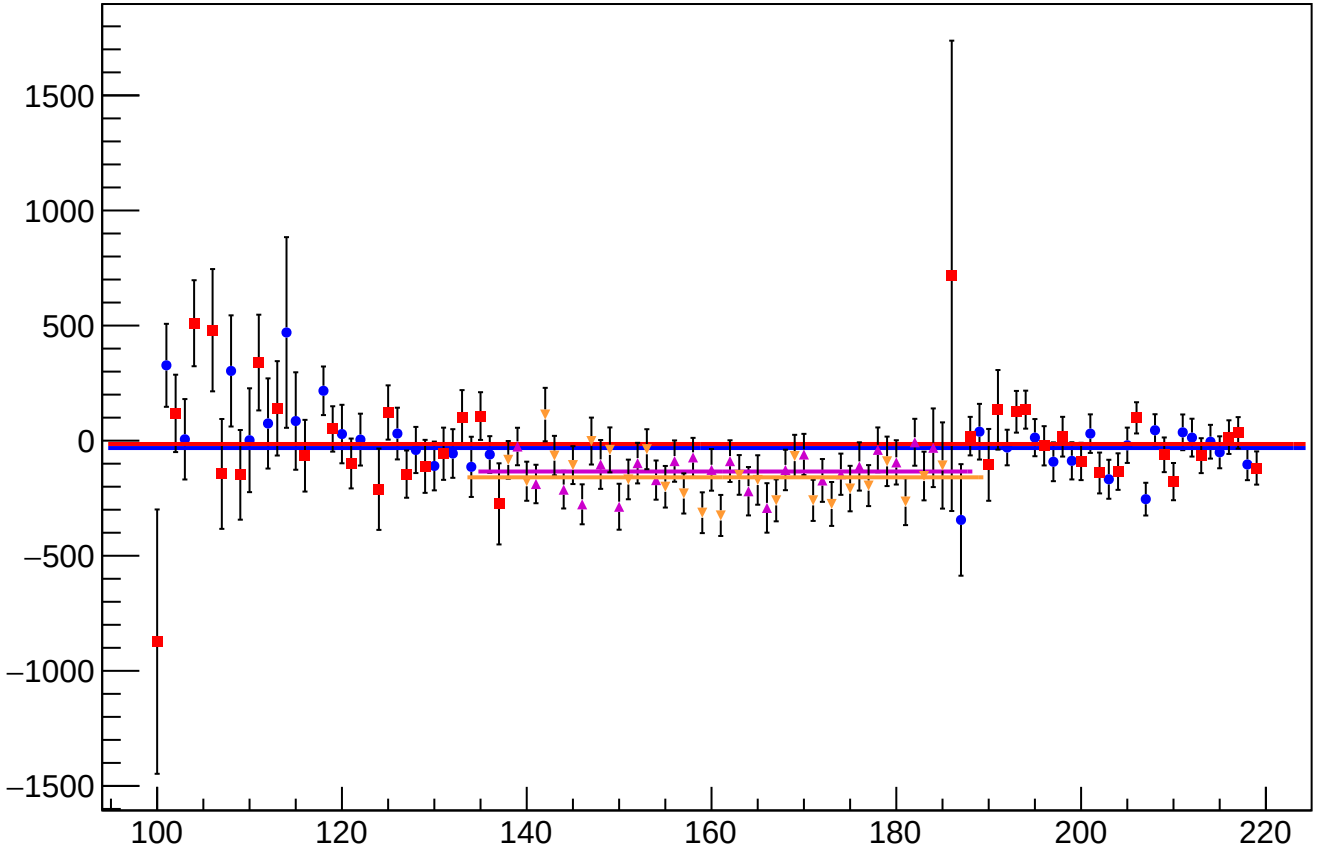
Right: 381.351+/-0.044 χ^2/NDF: 7498810.4/68

In: 348.728+/-0.041 χ^2/NDF:4503692.9/54

Out: 353.757+/-0.041 χ^2/NDF:5366217.8/61

All: 351.269+/-0.029 χ^2/NDF: 9877467.2/116

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: -32.098+/-17.056 χ^2/NDF: 35.2/31

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -14.424+/-17.001 χ^2/NDF: 52.4/36

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

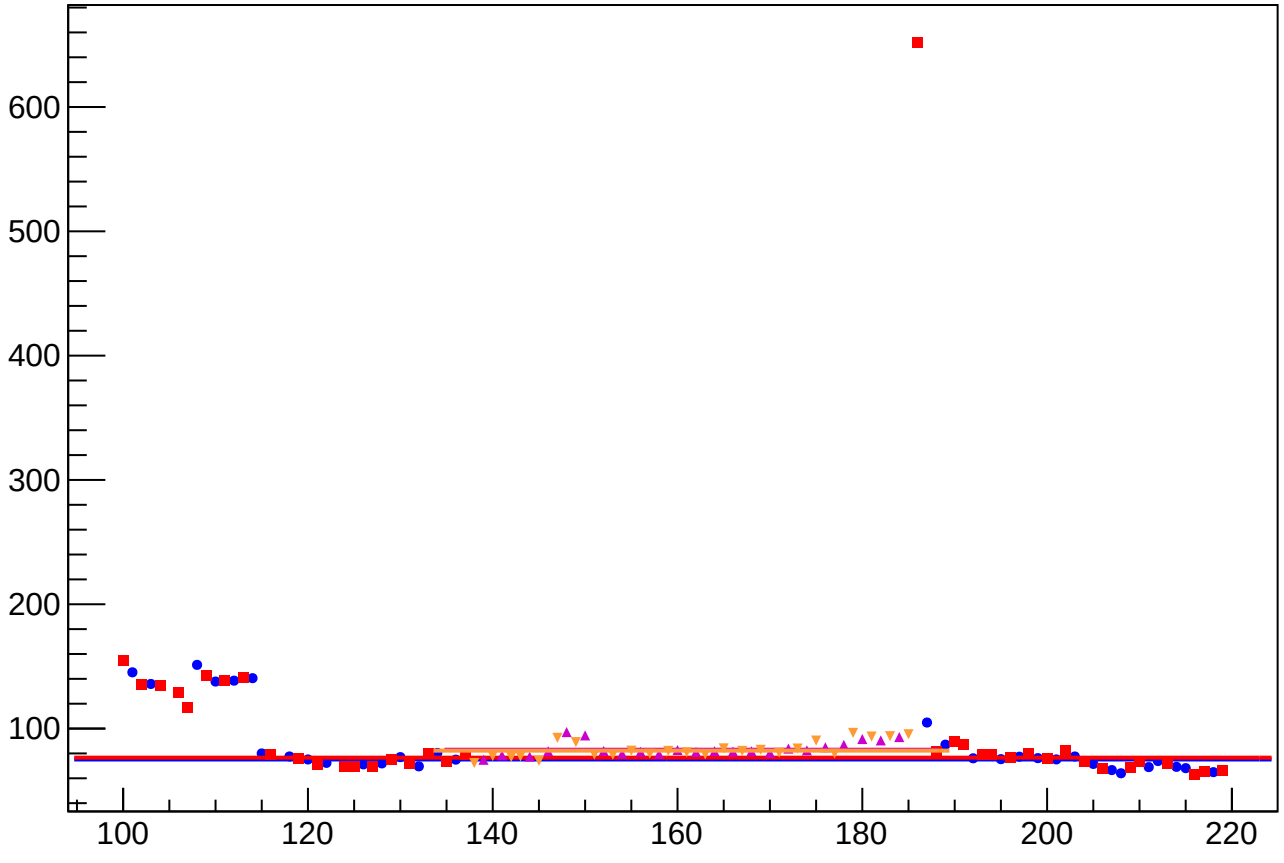
Right: -23.232+/-12.041 χ^2/NDF: 88.1/68

In: -76.424+/-12.821 χ^2/NDF:67.1/54

Out: -79.759+/-12.594 χ^2/NDF:113.3/61

All: -78.121+/-8.985 χ^2/NDF: 180.4/116

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 75.134+/-0.012 χ^2/NDF: 1401776.1/31

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 76.601+/-0.012 χ^2/NDF: 2162068.4/36

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

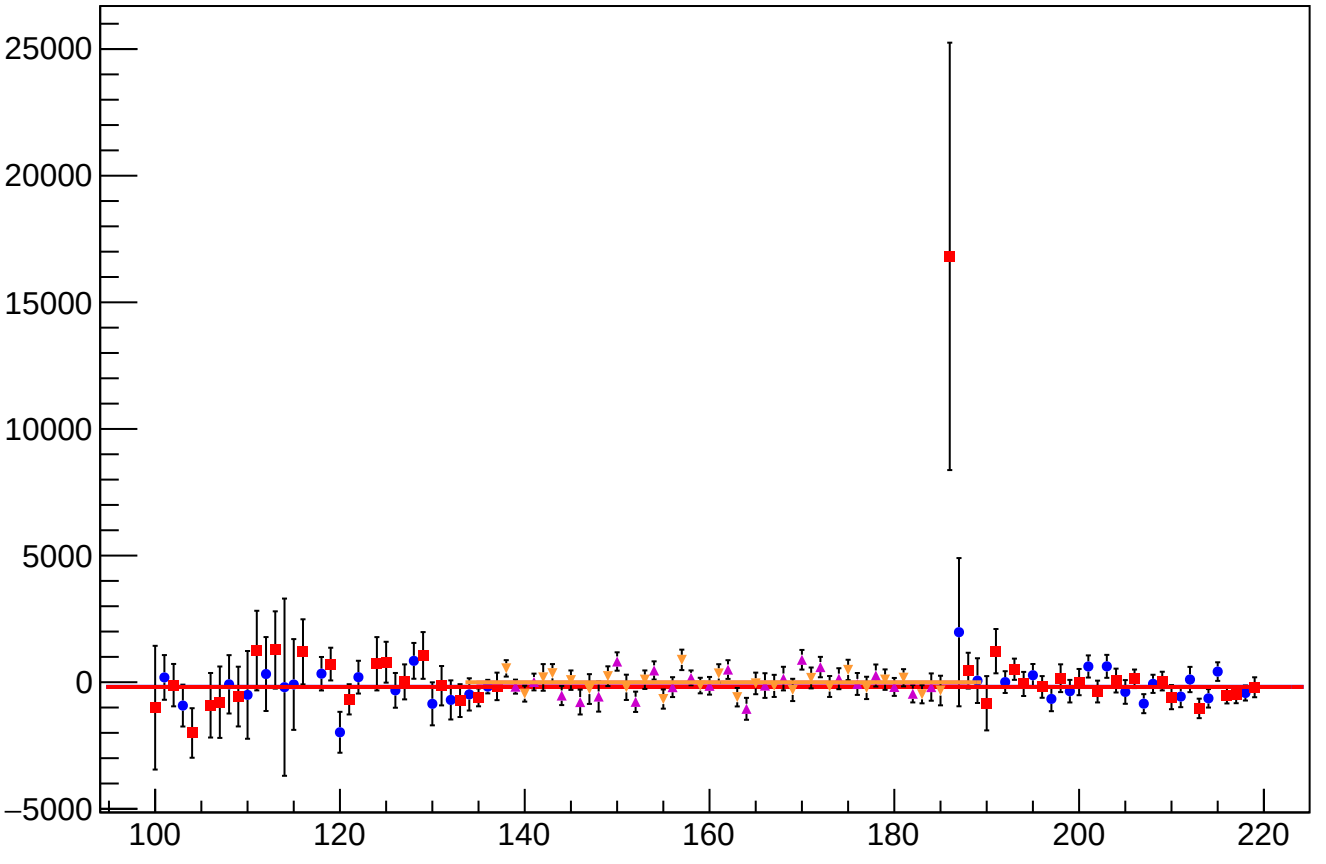
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 75.870+/-0.009 χ^2/NDF: 3571260.8/68

In: 78.552+/-0.009 χ^2/NDF:1732061.8/54

Out: 79.148+/-0.009 χ^2/NDF:2478166.9/61

All: 78.856+/-0.006 χ^2/NDF: 4212429.0/116



Right In: -182.464+/-90.811 χ^2/NDF: 29.6/31

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -188.120+/-91.538 χ^2/NDF: 36.1/36

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

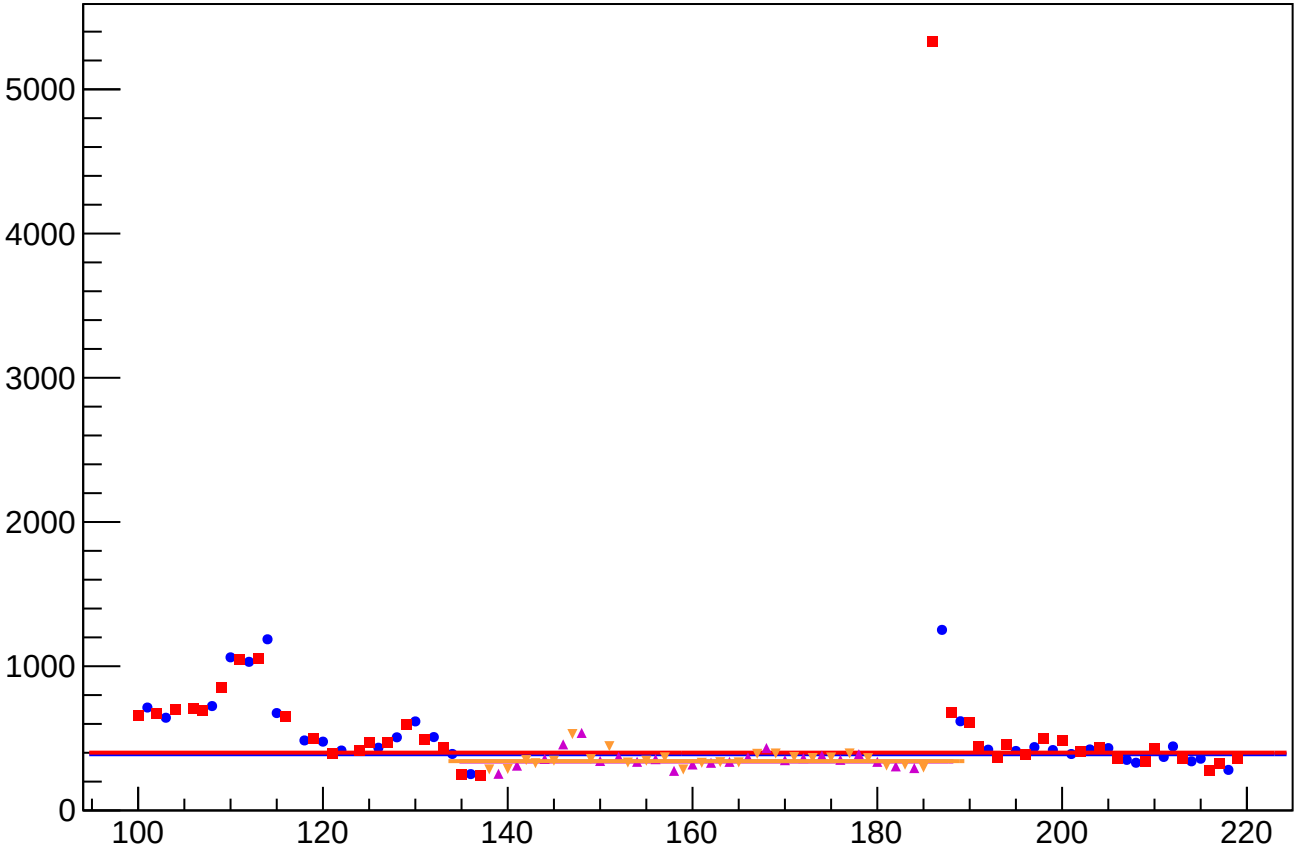
Right: -185.270+/-64.468 χ^2/NDF: 65.7/68

In: -89.448+/-60.201 χ^2/NDF:66.3/54

Out: -81.598+/-59.625 χ^2/NDF:62.0/61

All: -85.485+/-42.363 χ^2/NDF: 128.3/116

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 389.820+/-0.064 χ^2/NDF: 3119728.0/31

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 400.844+/-0.065 χ^2/NDF: 4166719.3/36

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

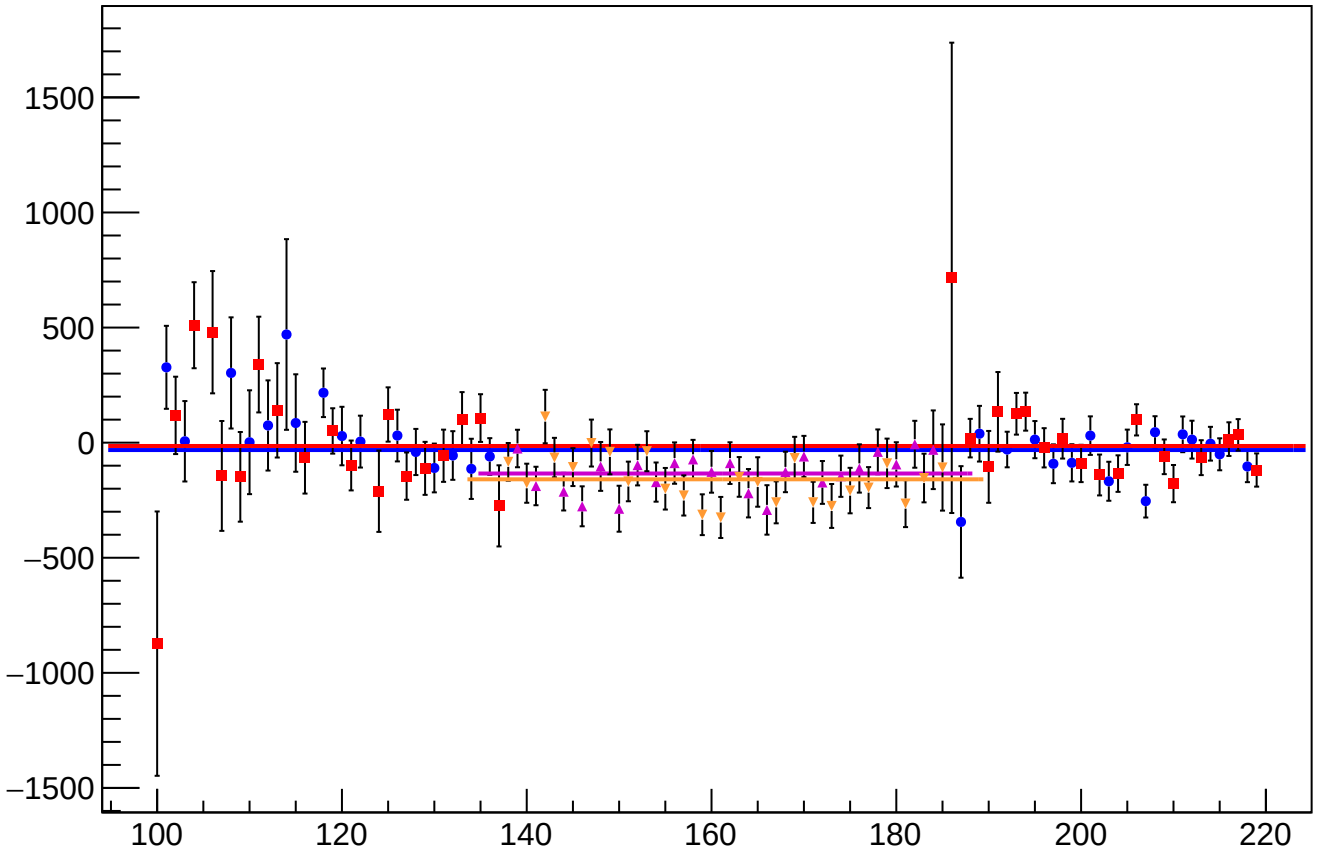
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 395.288+/-0.046 χ^2/NDF: 7301067.1/68

In: 361.575+/-0.043 χ^2/NDF:4311609.4/54

Out: 366.919+/-0.042 χ^2/NDF:5297806.4/61

All: 364.273+/-0.030 χ^2/NDF: 9617372.1/116



Right In: -32.097+/-17.056 χ^2/NDF: 35.2/31

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -14.425+/-17.001 χ^2/NDF: 52.4/36

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

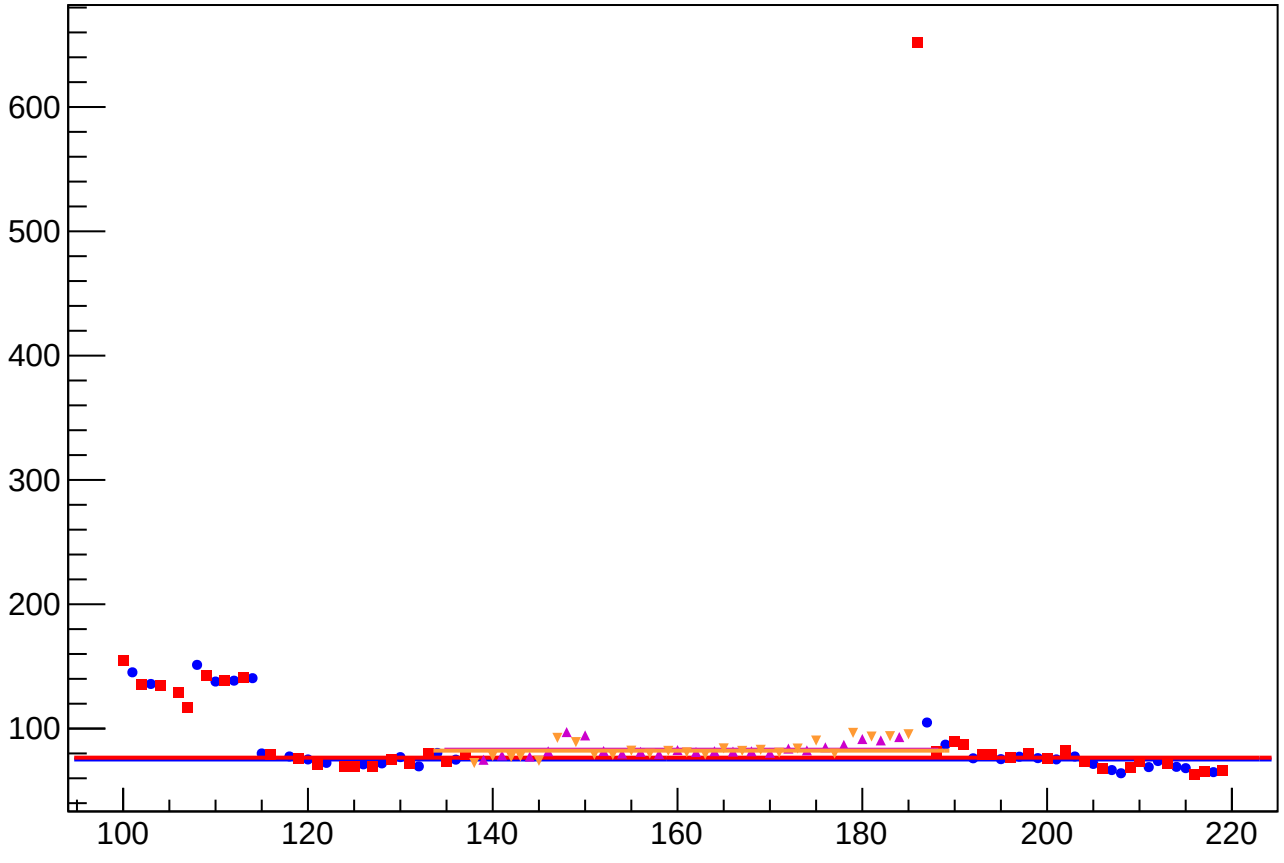
Right: -23.232+/-12.041 χ^2/NDF: 88.1/68

In: -76.423+/-12.821 χ^2/NDF:67.1/54

Out: -79.759+/-12.594 χ^2/NDF:113.3/61

All: -78.121+/-8.985 χ^2/NDF: 180.4/116

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 75.134+/-0.012 χ^2/NDF: 1401776.9/31

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 76.600+/-0.012 χ^2/NDF: 2162068.8/36

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

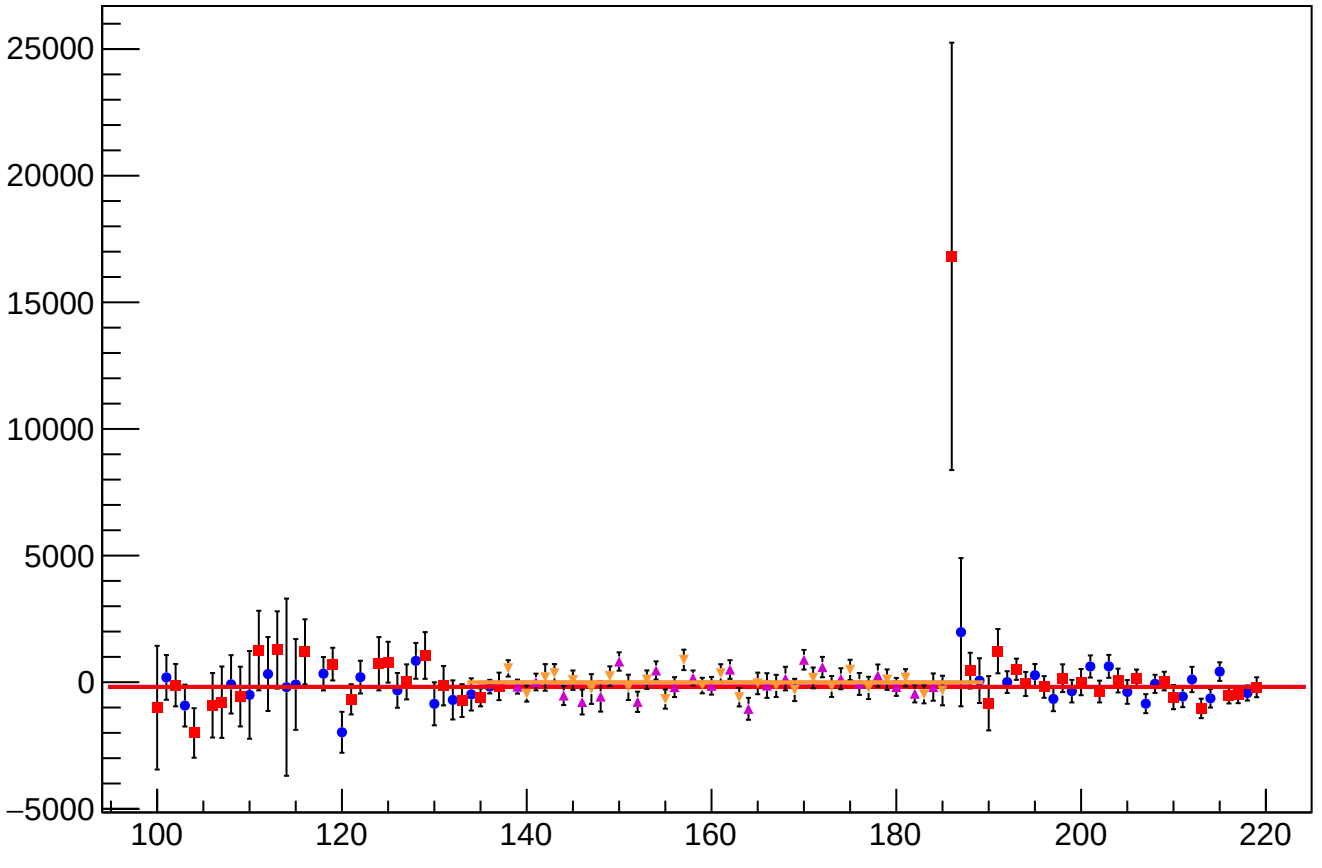
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 75.870+/-0.009 χ^2/NDF: 3571261.8/68

In: 78.552+/-0.009 χ^2/NDF:1732066.0/54

Out: 79.148+/-0.009 χ^2/NDF:2478172.4/61

All: 78.856+/-0.006 χ^2/NDF: 4212438.6/116



Right In: -182.463+/-90.811 χ^2/NDF: 29.6/31

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -188.121+/-91.537 χ^2/NDF: 36.1/36

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

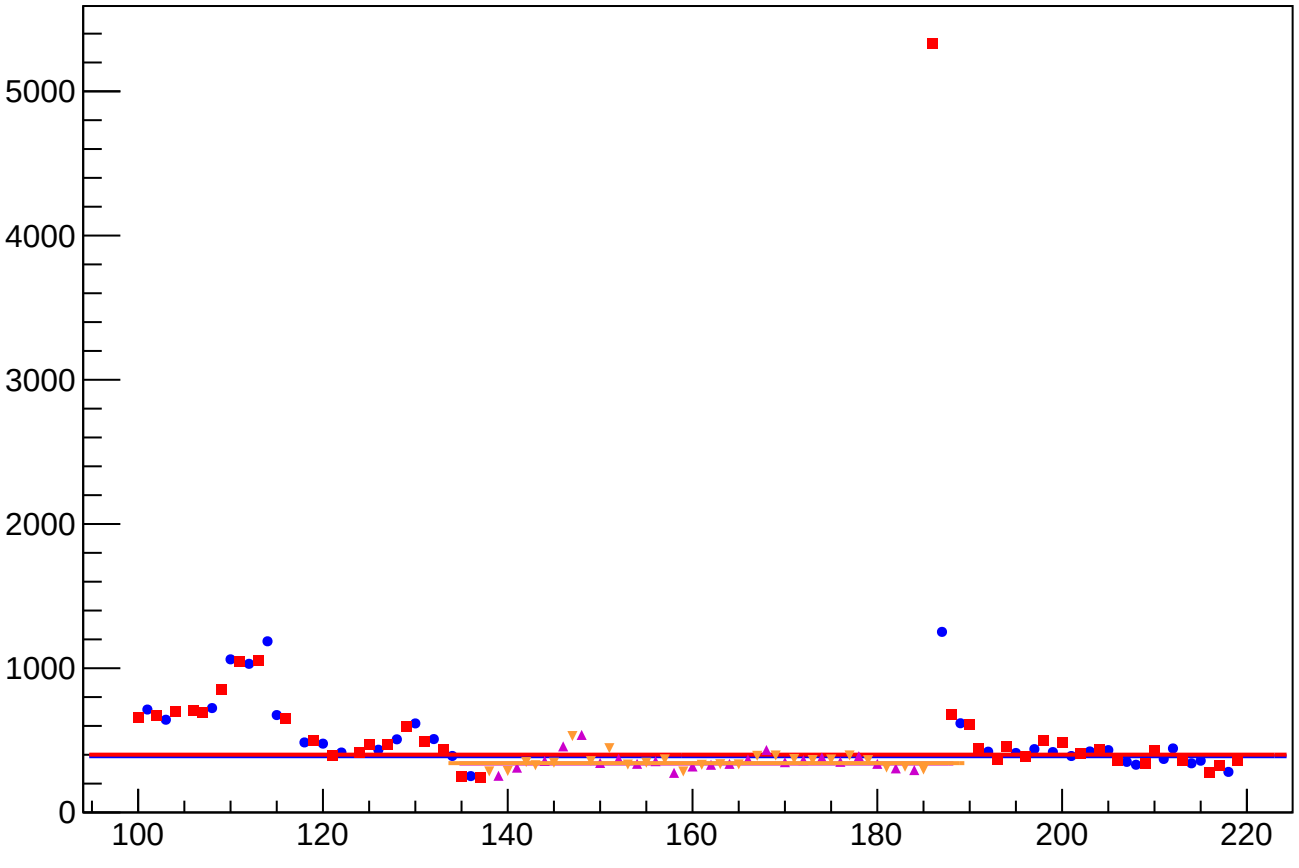
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -185.269+/-64.468 χ^2/NDF: 65.7/68

In: -89.447+/-60.201 χ^2/NDF:66.3/54

Out: -81.598+/-59.625 χ^2/NDF:62.0/61

All: -85.485+/-42.363 χ^2/NDF: 128.3/116



Right In: 389.819+/-0.064 χ^2/NDF: 3119732.3/31

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 400.843+/-0.065 χ^2/NDF: 4166726.5/36

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

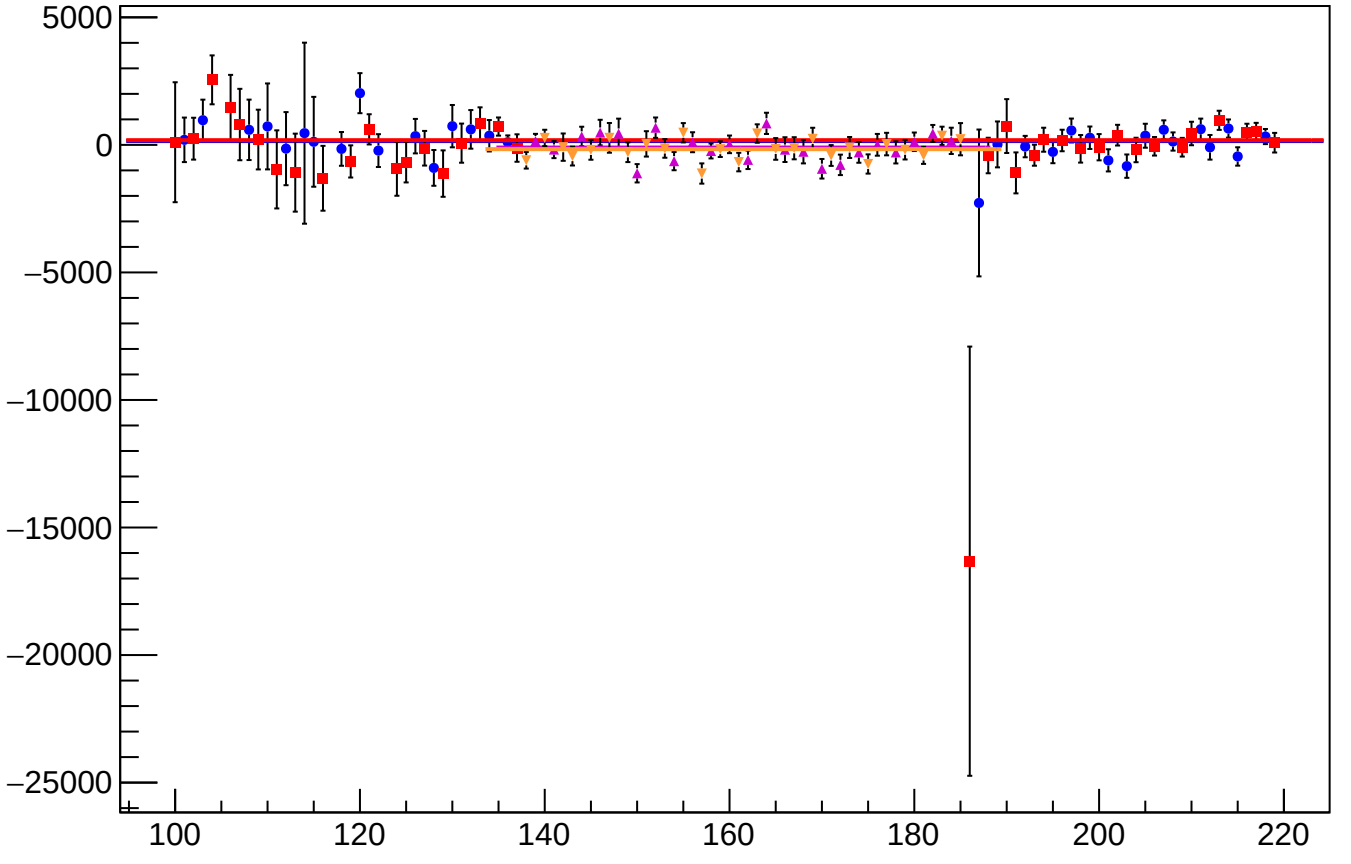
Right: 395.287+/-0.046 χ^2/NDF: 7301078.3/68

In: 361.574+/-0.043 χ^2/NDF:4311608.0/54

Out: 366.919+/-0.042 χ^2/NDF:5297803.0/61

All: 364.272+/-0.030 χ^2/NDF: 9617367.3/116

asym_sam1_mean vs Slug, Sign Corrected



Right In: 149.458+/-89.806 χ^2/NDF: 29.6/31

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 184.611+/-90.163 χ^2/NDF: 39.1/36

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

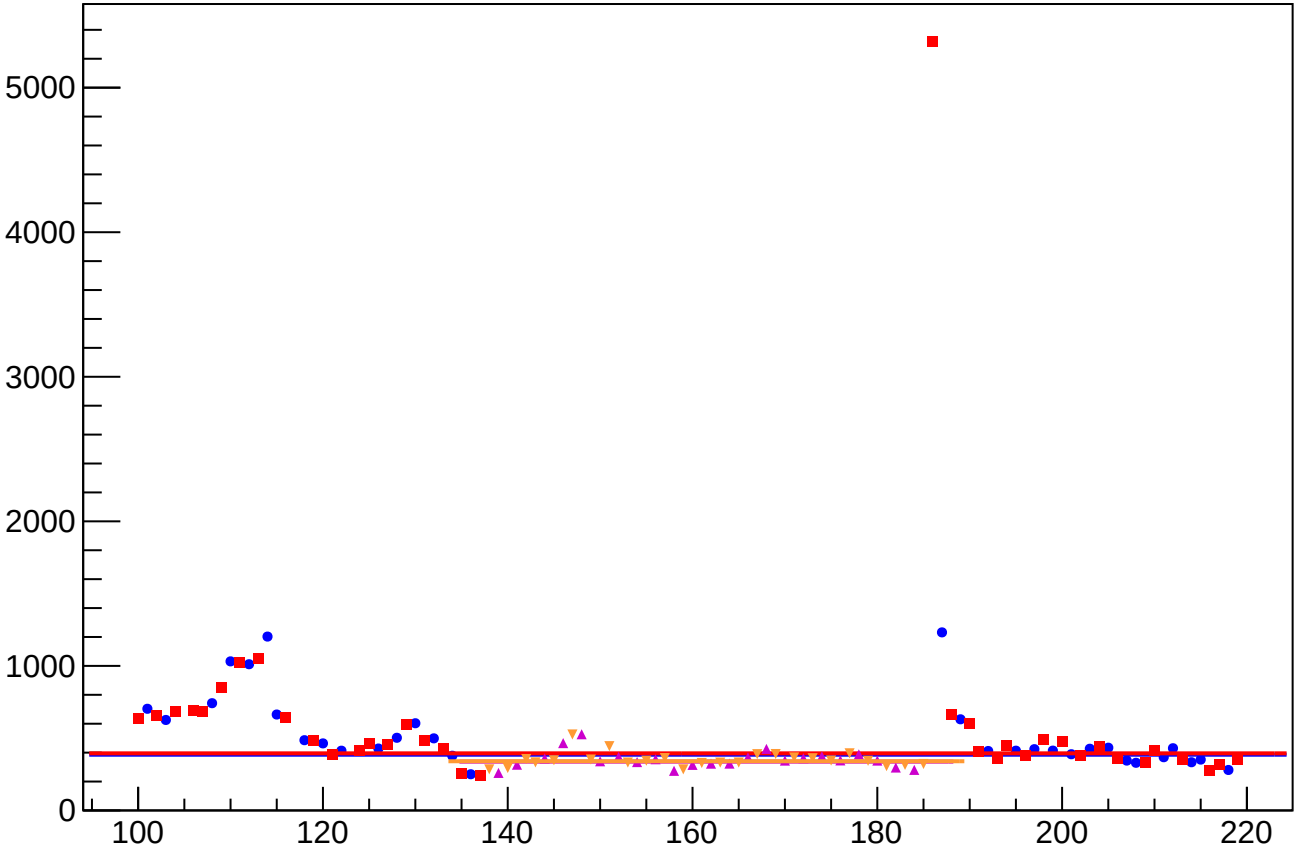
Right: 166.965+/-63.628 χ^2/NDF: 68.8/68

In: 8.124+/-59.734 χ^2/NDF:71.5/54

Out: -16.316+/-59.067 χ^2/NDF:73.4/61

All: -4.233+/-42.000 χ^2/NDF: 145.0/116

asym_sam1_rms vs Slug, Sign Corrected



Right In: 385.636+/-0.064 χ^2/NDF: 3092029.7/31

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 395.095+/-0.064 χ^2/NDF: 4119432.6/36

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

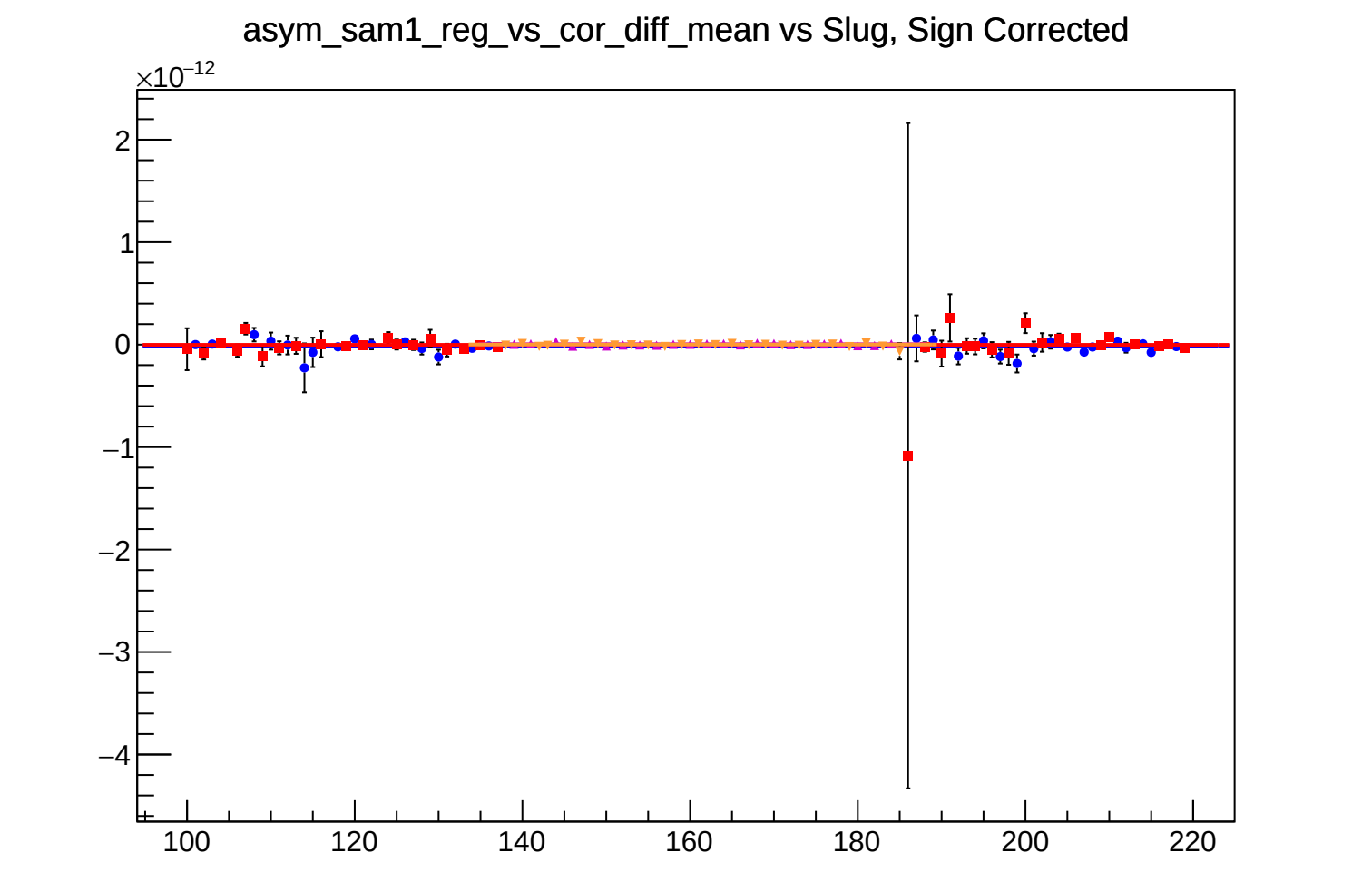
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

Right: 390.347+/-0.045 χ^2/NDF: 7222513.4/68

In: 358.940+/-0.042 χ^2/NDF:4229646.3/54

Out: 363.869+/-0.042 χ^2/NDF:5143849.0/61

All: 361.432+/-0.030 χ^2/NDF: 9380379.0/116



Right In: -0.000+/-0.000 χ^2/NDF: 36.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/36

Left In: 0.000+/-0.000 χ^2/NDF:11.9/22

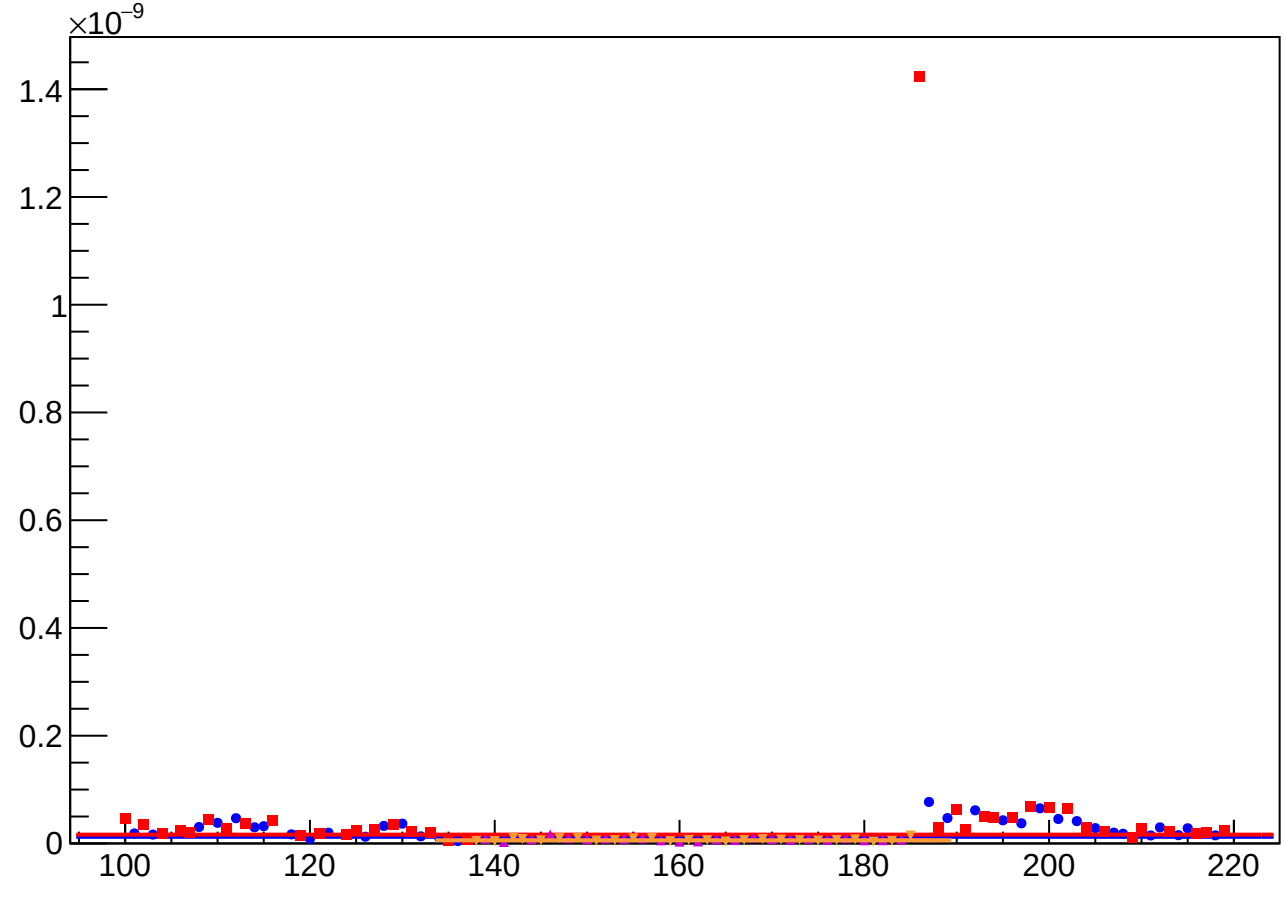
Left: 0.000+/-0.000 χ^2/NDF: 28.7/47

Right: -0.000+/-0.000 χ^2/NDF: 72.4/68

In: 0.000+/-0.000 χ^2/NDF:54.6/54

Out: 0.000+/-0.000 χ^2/NDF:51.5/61

All: 0.000+/-0.000 χ^2/NDF: 106.1/116



Right In: 0.000+/-0.000 χ^2/NDF: 8146411.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7502541.9/36

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

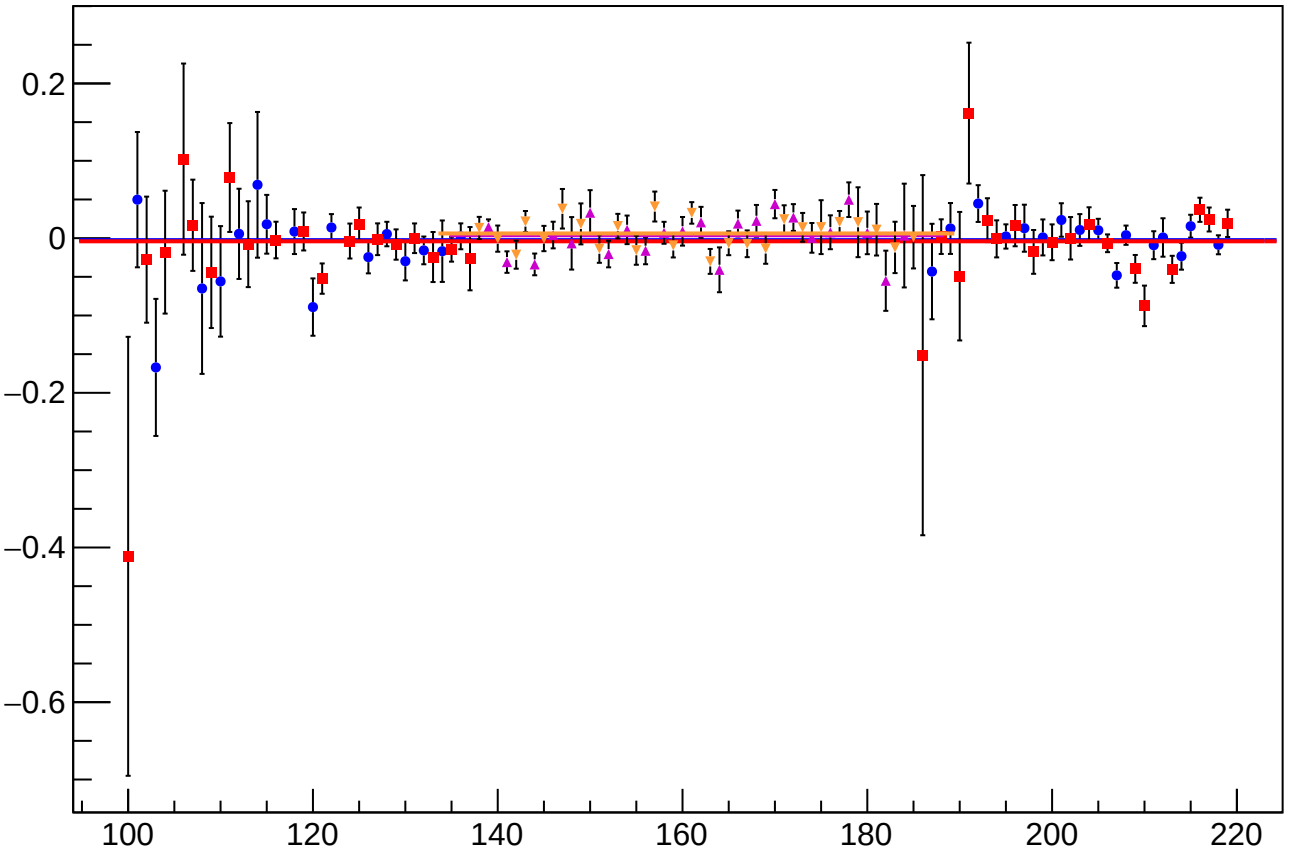
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 16137624.1/68

In: 0.000+/-0.000 χ^2/NDF:12310787.7/54

Out: 0.000+/-0.000 χ^2/NDF:13571220.2/61

All: 0.000+/-0.000 χ^2/NDF: 25909954.3/116



Right In: -0.003+/-0.004 χ^2/NDF: 34.6/31

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.004 χ^2/NDF: 50.3/36

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

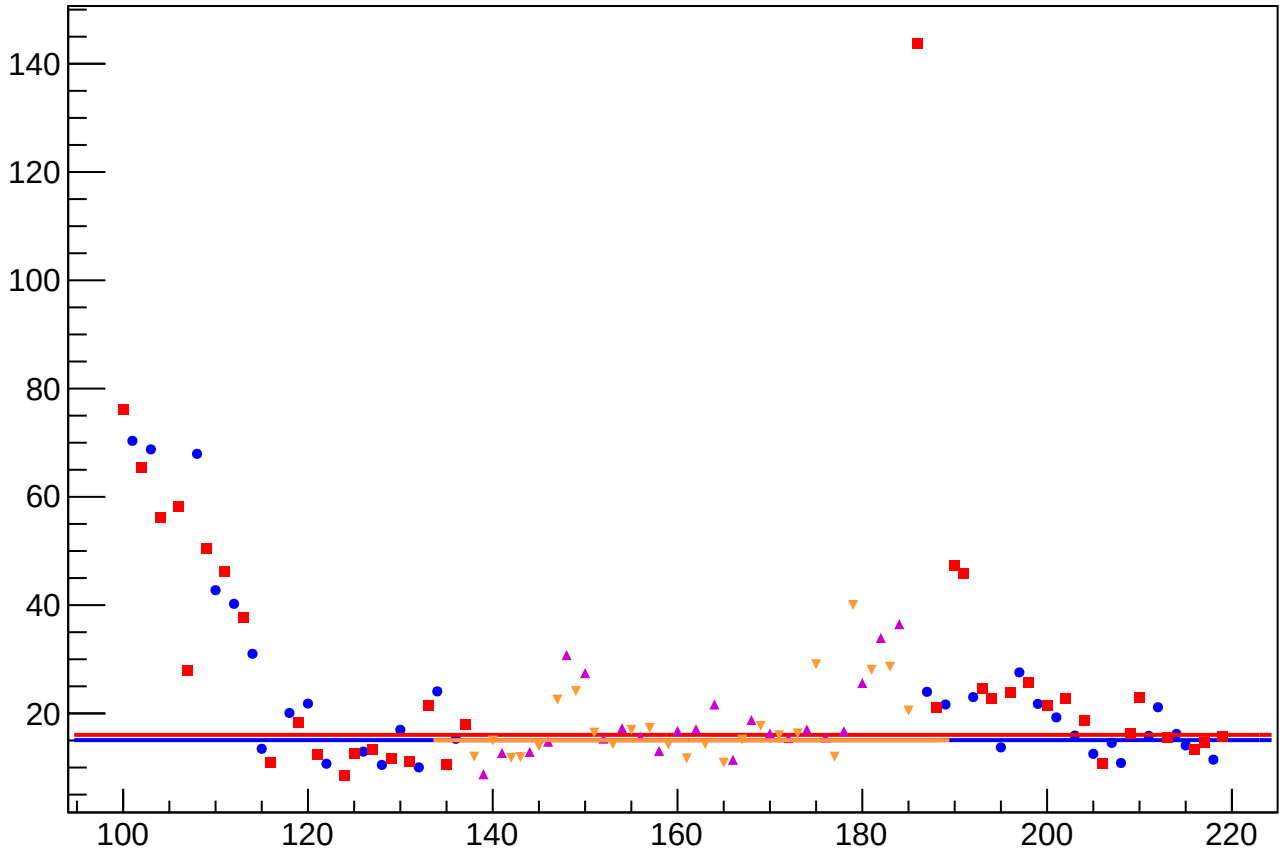
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.003 χ^2/NDF: 85.1/68

In: 0.001+/-0.003 χ^2/NDF:73.1/54

Out: 0.001+/-0.003 χ^2/NDF:80.6/61

All: 0.001+/-0.002 χ^2/NDF: 153.8/116



Right In: 15.063+/-0.003 χ^2/NDF: 4983403.9/31

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.039+/-0.003 χ^2/NDF: 6639365.7/36

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

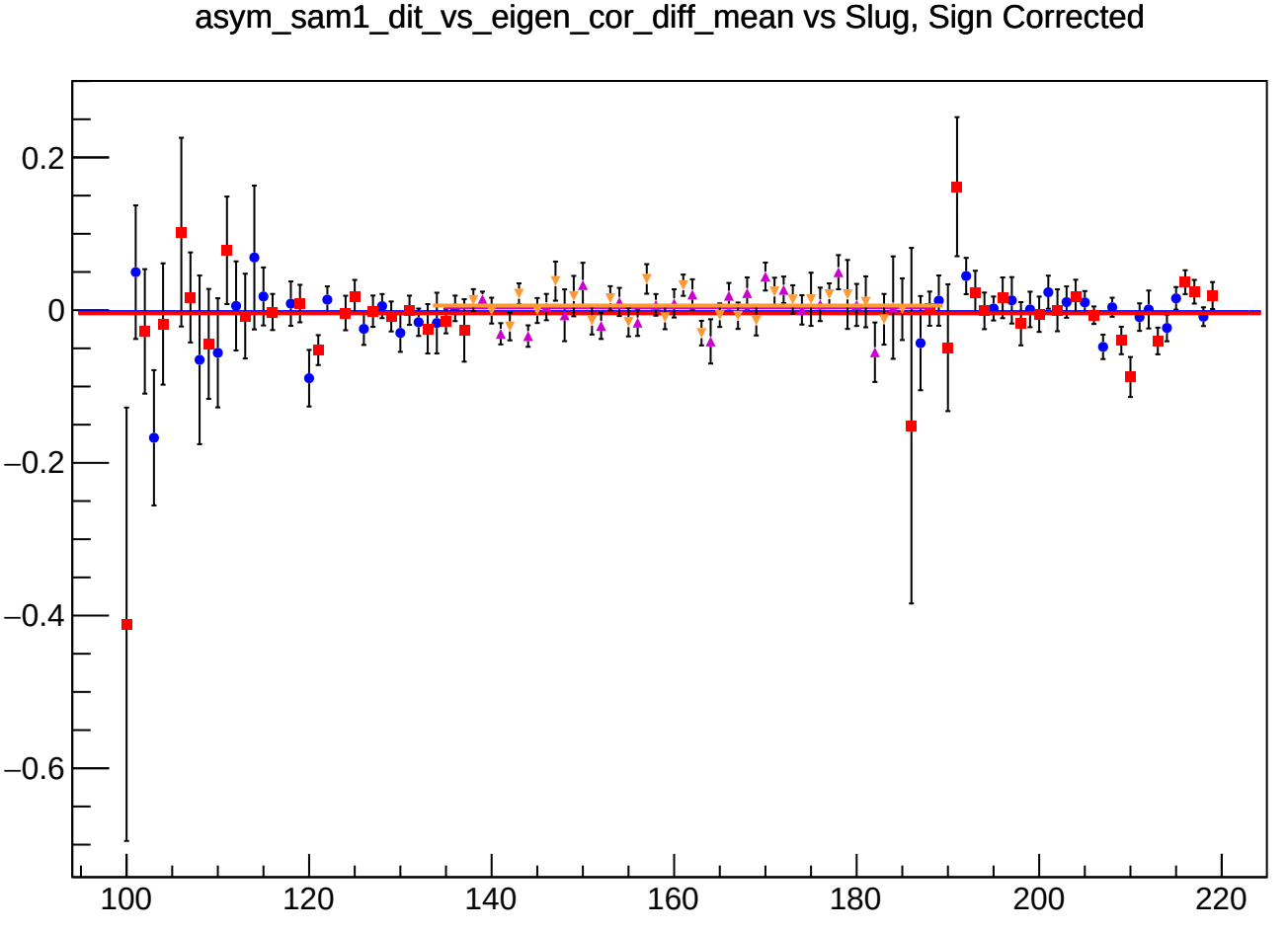
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.529+/-0.002 χ^2/NDF: 11686988.2/68

In: 15.065+/-0.002 χ^2/NDF:8049996.8/54

Out: 15.509+/-0.002 χ^2/NDF:9465295.7/61

All: 15.287+/-0.001 χ^2/NDF: 17542628.8/116



Right In: -0.003+/-0.004 χ^2/NDF: 34.6/31

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.004 χ^2/NDF: 50.3/36

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

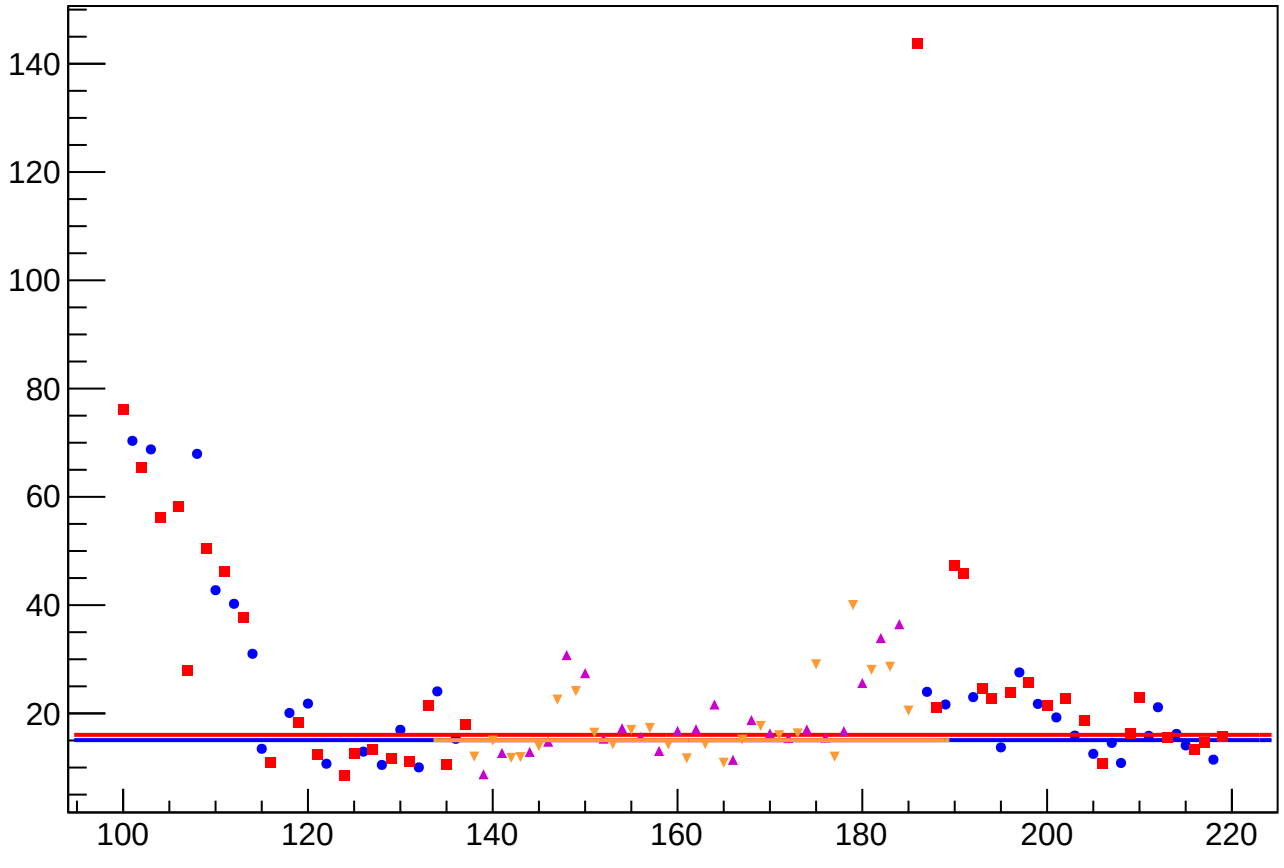
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.003 χ^2/NDF: 85.1/68

In: 0.001+/-0.003 χ^2/NDF:73.1/54

Out: 0.001+/-0.003 χ^2/NDF:80.6/61

All: 0.001+/-0.002 χ^2/NDF: 153.8/116



Right In: 15.063+/-0.003 χ^2/NDF: 4983403.9/31

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.039+/-0.003 χ^2/NDF: 6639365.7/36

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

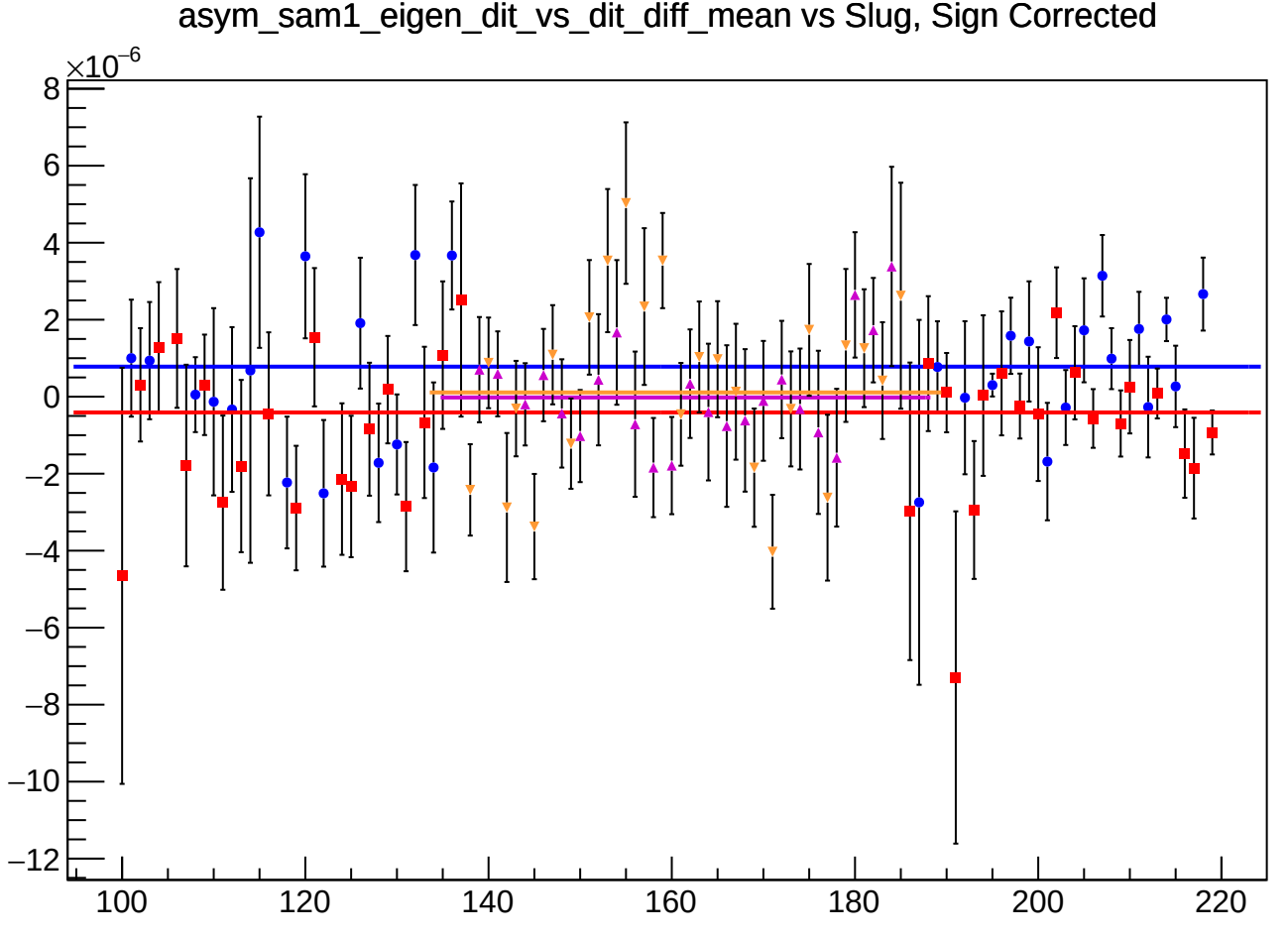
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.529+/-0.002 χ^2/NDF: 11686988.2/68

In: 15.065+/-0.002 χ^2/NDF:8049996.8/54

Out: 15.509+/-0.002 χ^2/NDF:9465295.7/61

All: 15.287+/-0.001 χ^2/NDF: 17542628.8/116



Right In: 0.000+/-0.000 χ^2/NDF: 48.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/36

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

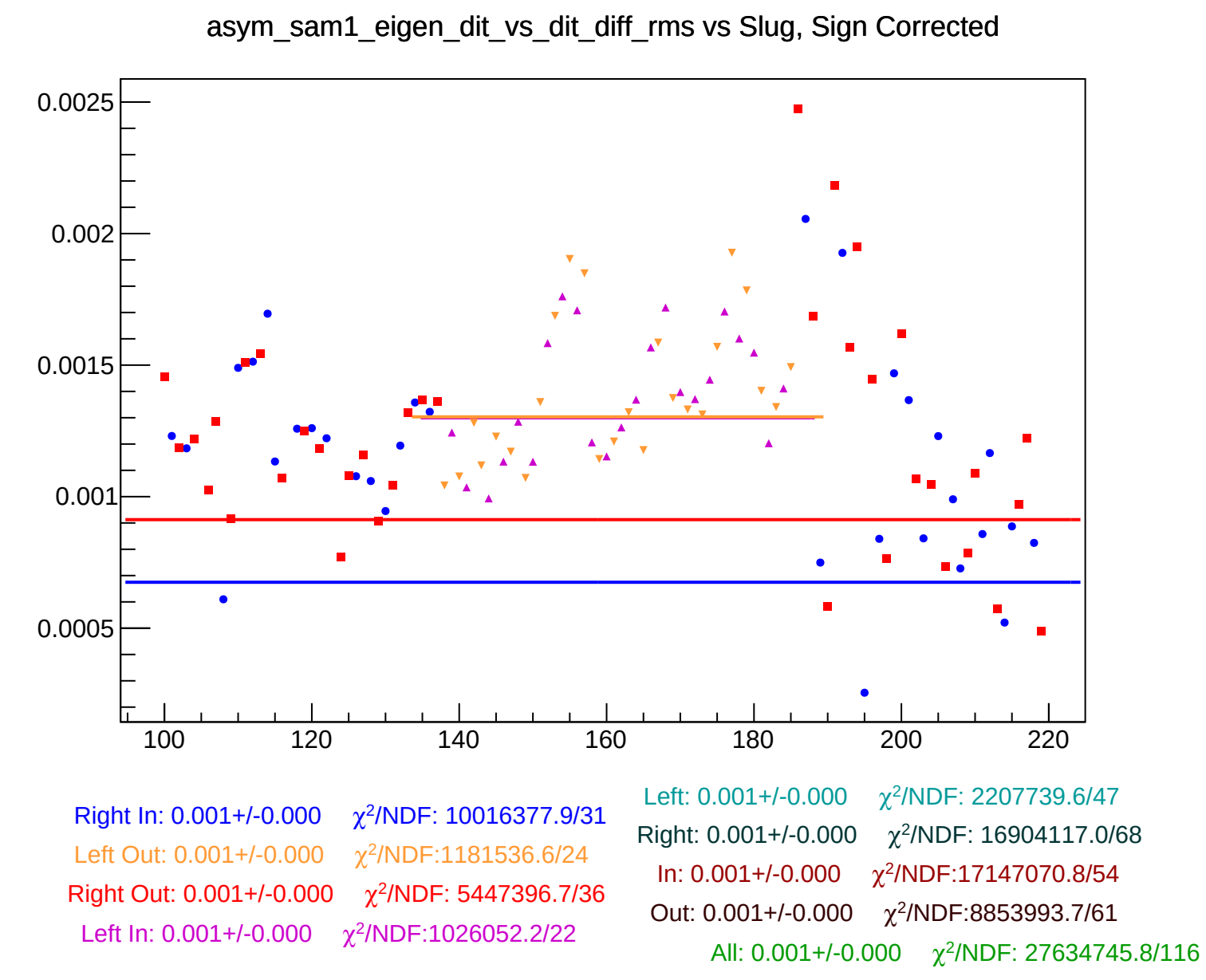
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

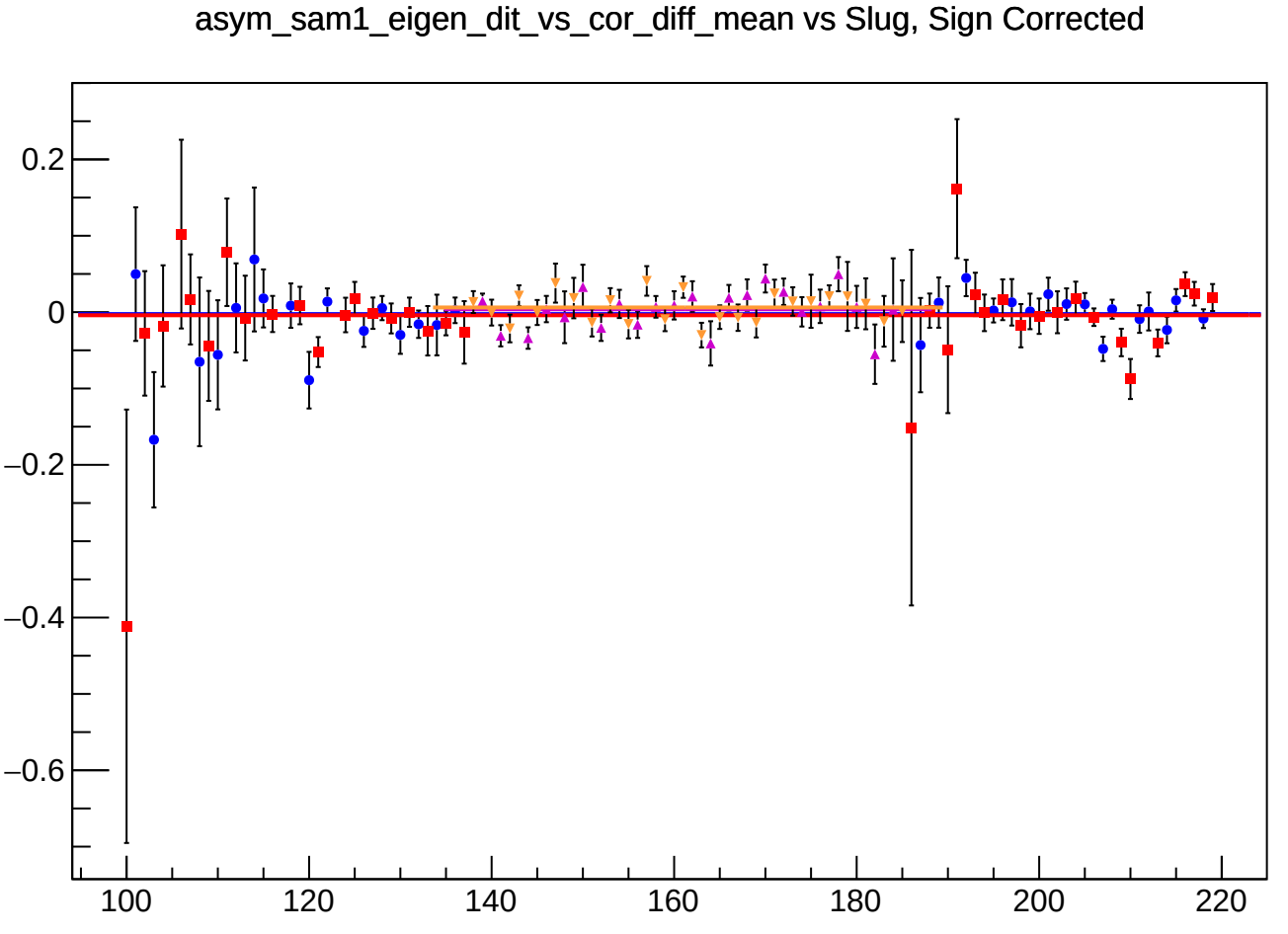
Right: 0.000+/-0.000 χ^2/NDF: 96.1/68

In: 0.000+/-0.000 χ^2/NDF:67.1/54

Out: -0.000+/-0.000 χ^2/NDF:82.1/61

All: 0.000+/-0.000 χ^2/NDF: 161.2/116


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: 10016377.9/31
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 5447396.7/36
Left In: 0.001+/-0.000 χ²/NDF:1026052.2/22
Left: 0.001+/-0.000 χ²/NDF: 2207739.6/47
Right: 0.001+/-0.000 χ²/NDF: 16904117.0/68
In: 0.001+/-0.000 χ²/NDF:17147070.8/54
Out: 0.001+/-0.000 χ²/NDF:8853993.7/61
All: 0.001+/-0.000 χ²/NDF: 27634745.8/116



Right In: -0.003+/-0.004 χ^2/NDF: 34.6/31

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.004 χ^2/NDF: 50.3/36

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

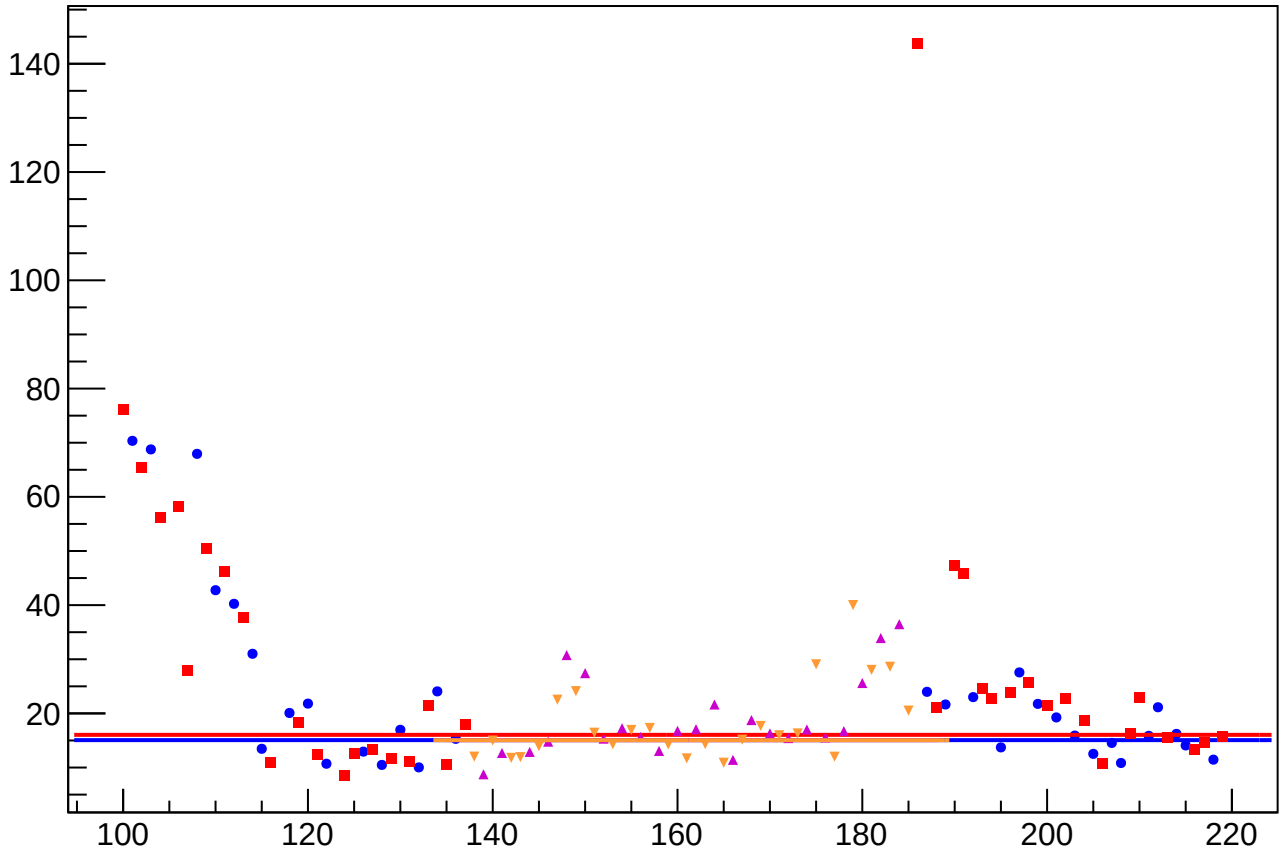
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.003 χ^2/NDF: 85.1/68

In: 0.001+/-0.003 χ^2/NDF:73.1/54

Out: 0.001+/-0.003 χ^2/NDF:80.6/61

All: 0.001+/-0.002 χ^2/NDF: 153.8/116



Right In: 15.063+/-0.003 χ^2/NDF: 4983409.8/31

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.038+/-0.003 χ^2/NDF: 6639358.9/36

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

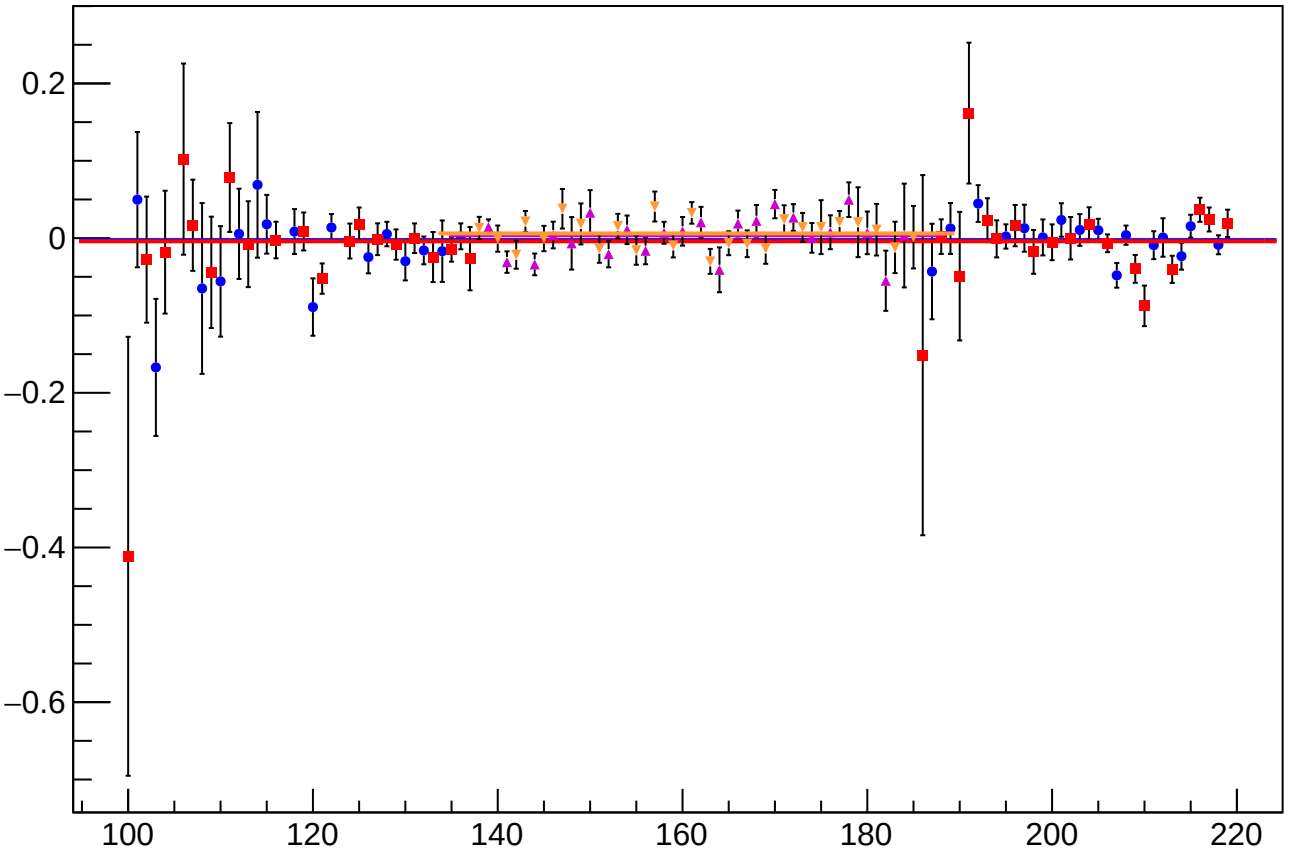
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.529+/-0.002 χ^2/NDF: 11686994.4/68

In: 15.065+/-0.002 χ^2/NDF:8050046.6/54

Out: 15.509+/-0.002 χ^2/NDF:9465493.4/61

All: 15.287+/-0.001 χ^2/NDF: 17542876.0/116



Right In: -0.003+/-0.004 χ^2/NDF: 34.6/31

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.004 χ^2/NDF: 50.3/36

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

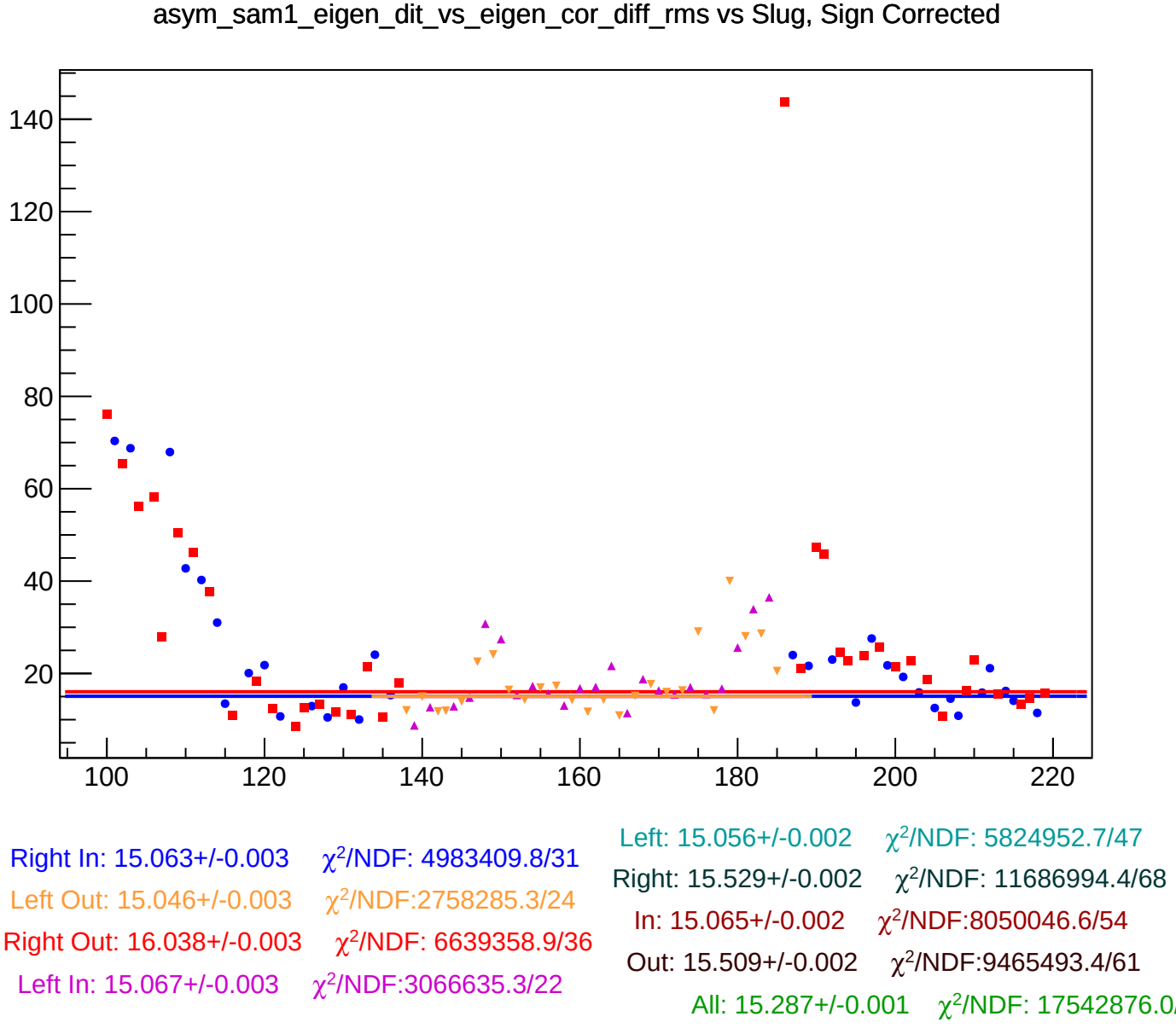
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

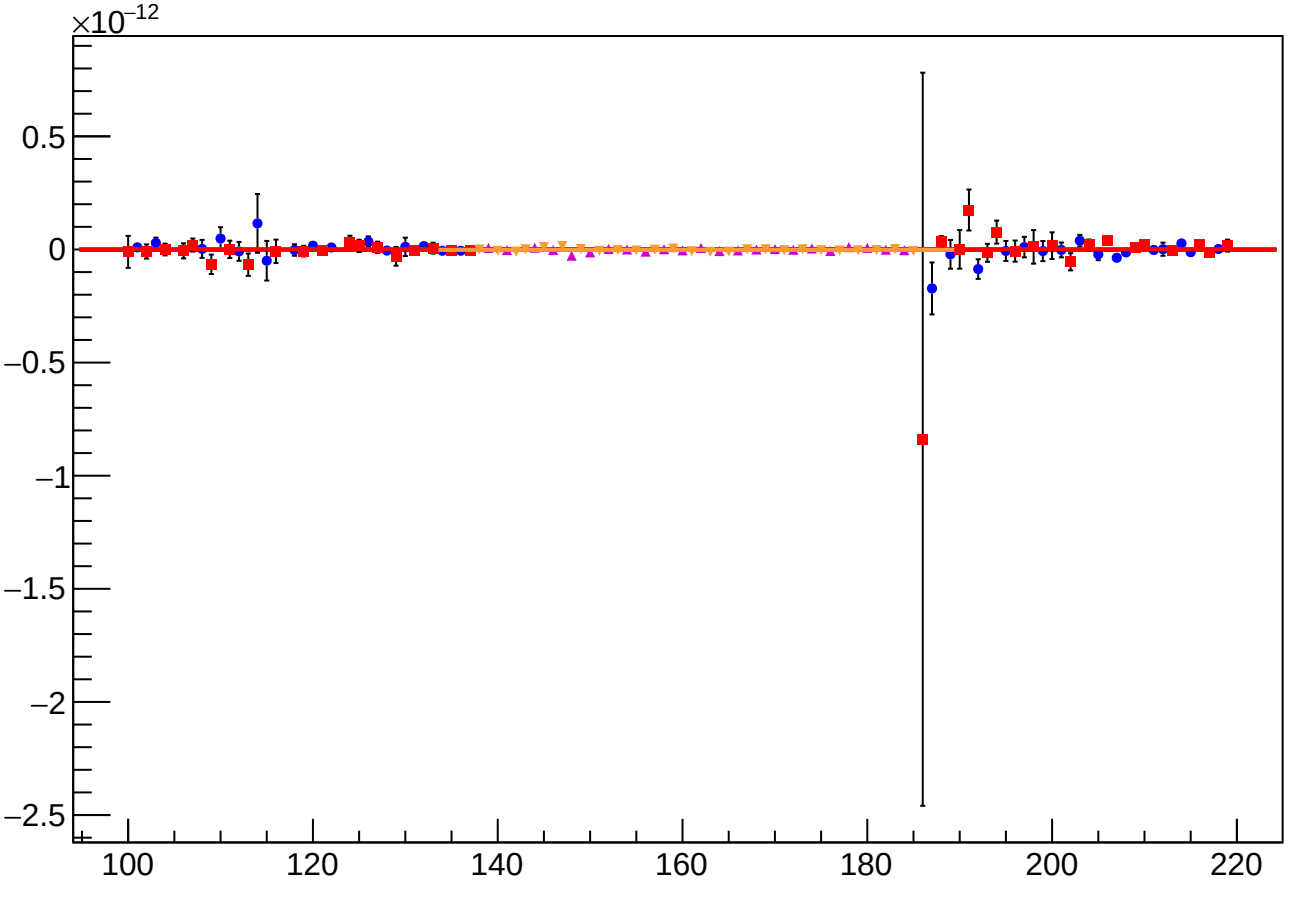
Right: -0.003+/-0.003 χ^2/NDF: 85.1/68

In: 0.001+/-0.003 χ^2/NDF:73.1/54

Out: 0.001+/-0.003 χ^2/NDF:80.6/61

All: 0.001+/-0.002 χ^2/NDF: 153.8/116


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: 15.063+/-0.003 χ²/NDF: 4983409.8/31
Left Out: 15.046+/-0.003 χ²/NDF:2758285.3/24
Right Out: 16.038+/-0.003 χ²/NDF: 6639358.9/36
Left In: 15.067+/-0.003 χ²/NDF:3066635.3/22
Left: 15.056+/-0.002 χ²/NDF: 5824952.7/47
Right: 15.529+/-0.002 χ²/NDF: 11686994.4/68
In: 15.065+/-0.002 χ²/NDF:8050046.6/54
Out: 15.509+/-0.002 χ²/NDF:9465493.4/61
All: 15.287+/-0.001 χ²/NDF: 17542876.0/116



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/36

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

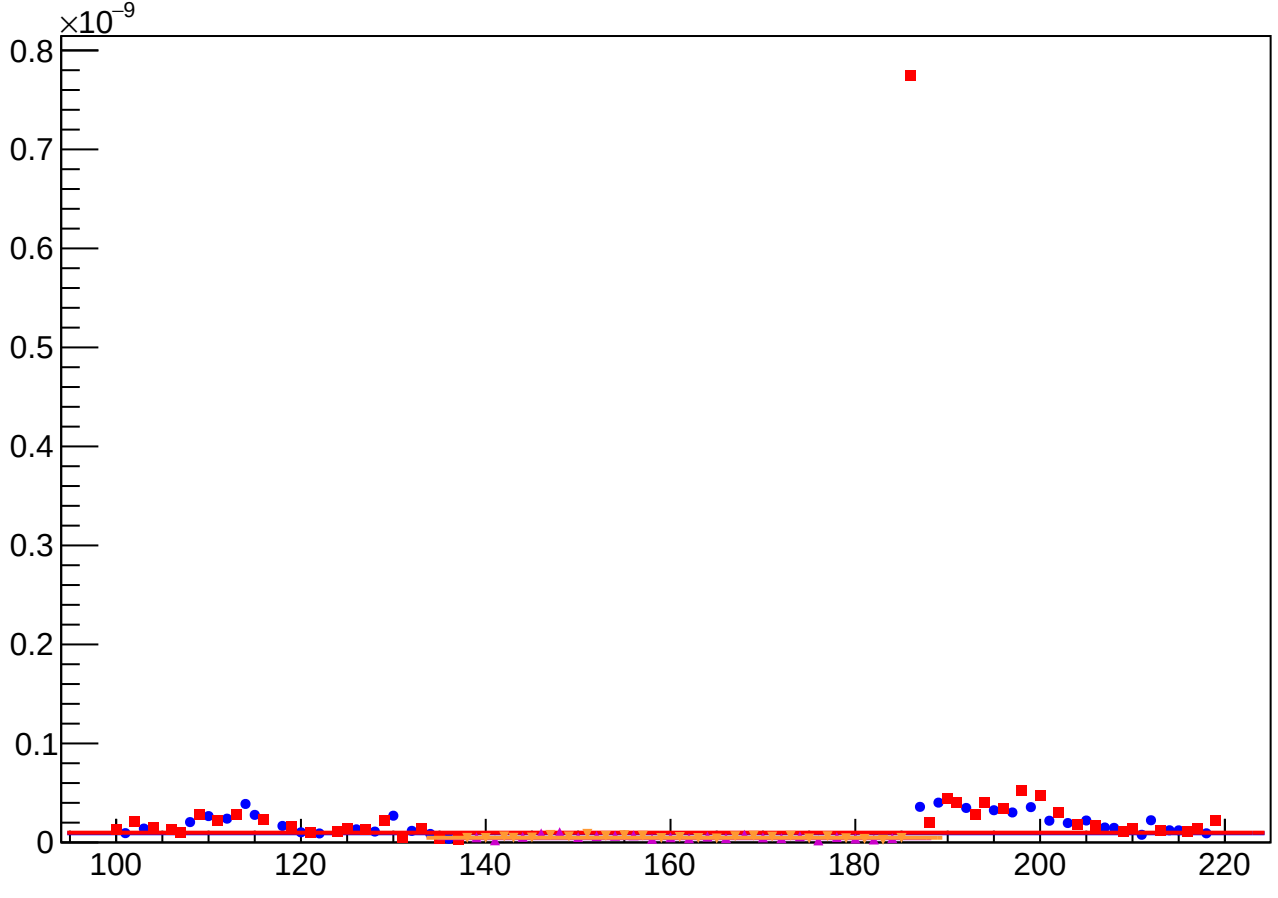
Right: -0.000+/-0.000 χ^2/NDF: 54.0/68

In: -0.000+/-0.000 χ^2/NDF:48.1/54

Out: -0.000+/-0.000 χ^2/NDF:42.9/61

All: -0.000+/-0.000 χ^2/NDF: 91.1/116

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9407534.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11744749.0/36

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

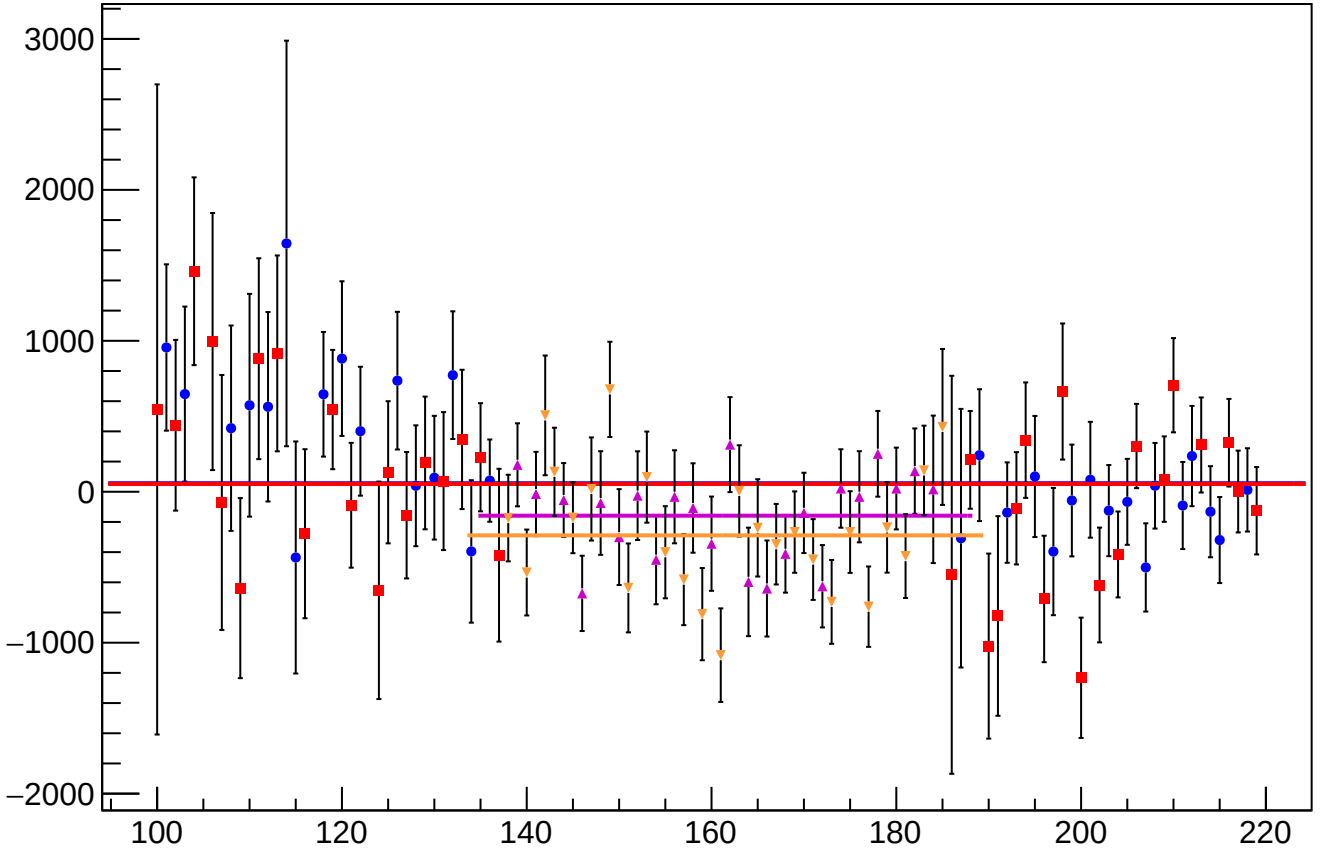
Right: 0.000+/-0.000 χ^2/NDF: 21188654.7/68

In: 0.000+/-0.000 χ^2/NDF:17338456.8/54

Out: 0.000+/-0.000 χ^2/NDF:18001756.8/61

All: 0.000+/-0.000 χ^2/NDF: 35485266.5/116

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 56.322+/-67.847 χ^2/NDF: 27.1/31

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: 51.730+/-67.791 χ^2/NDF: 50.8/36

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

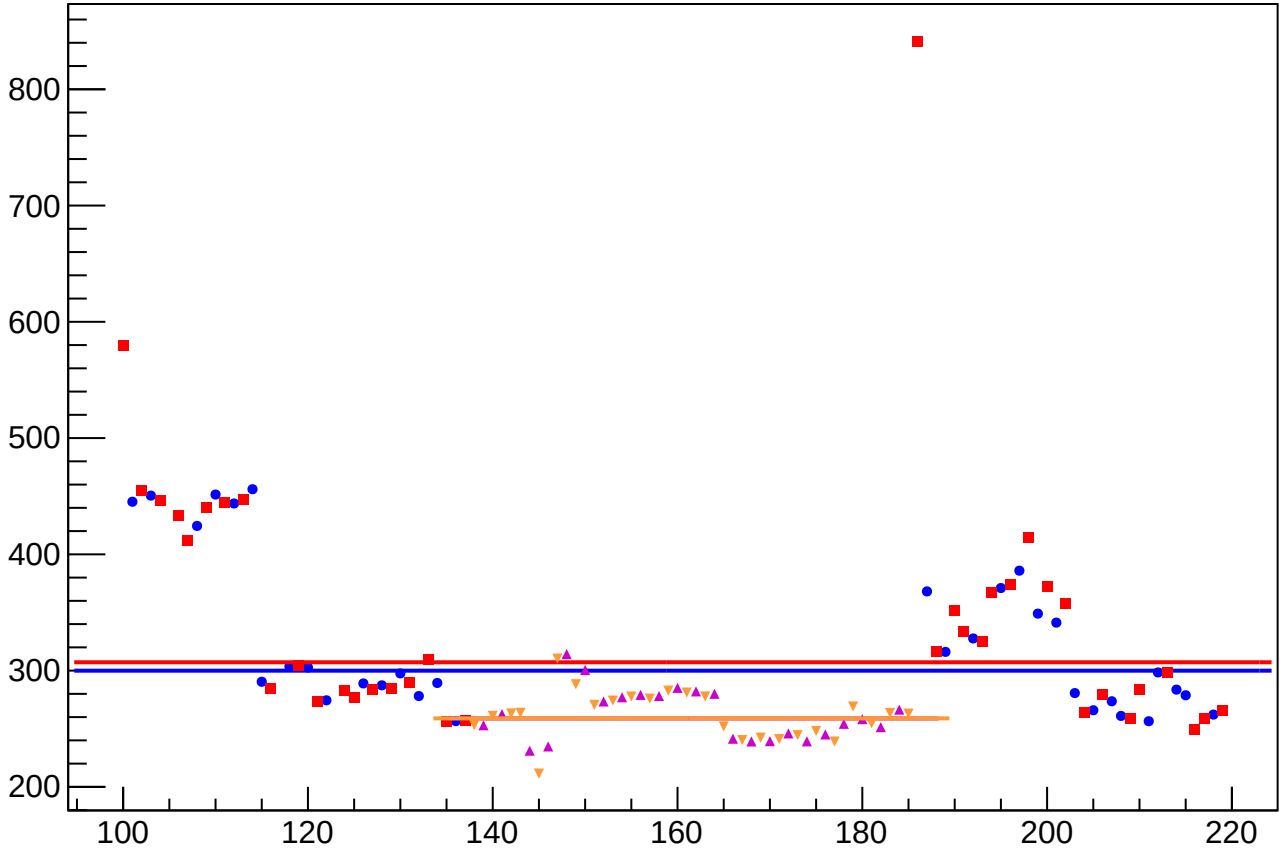
Right: 54.024+/-47.955 χ^2/NDF: 77.9/68

In: -63.039+/-45.241 χ^2/NDF:55.2/54

Out: -142.004+/-44.520 χ^2/NDF:107.6/61

All: -103.156+/-31.732 χ^2/NDF: 164.3/116

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 299.943+/-0.048 χ^2/NDF: 1049064.2/31

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 307.178+/-0.048 χ^2/NDF: 1690784.5/36

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

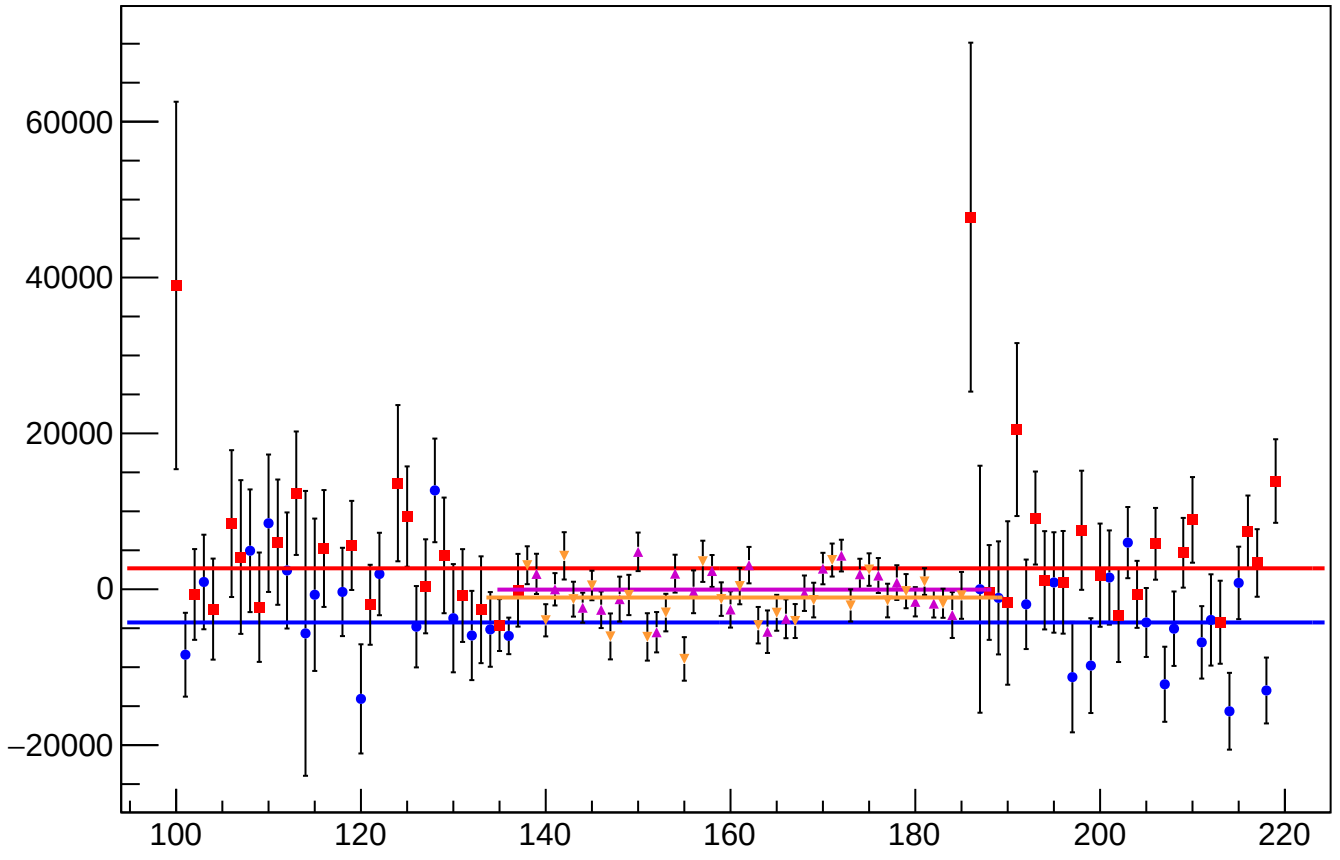
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 303.564+/-0.034 χ^2/NDF: 2751229.8/68

In: 277.118+/-0.032 χ^2/NDF:1701620.6/54

Out: 279.729+/-0.031 χ^2/NDF:2516119.9/61

All: 278.444+/-0.022 χ^2/NDF: 4221125.2/116



Right In: -4259.124+/-952.544 χ^2/NDF: 39.4/31

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 2687.152+/-988.507 χ^2/NDF: 35.1/36

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

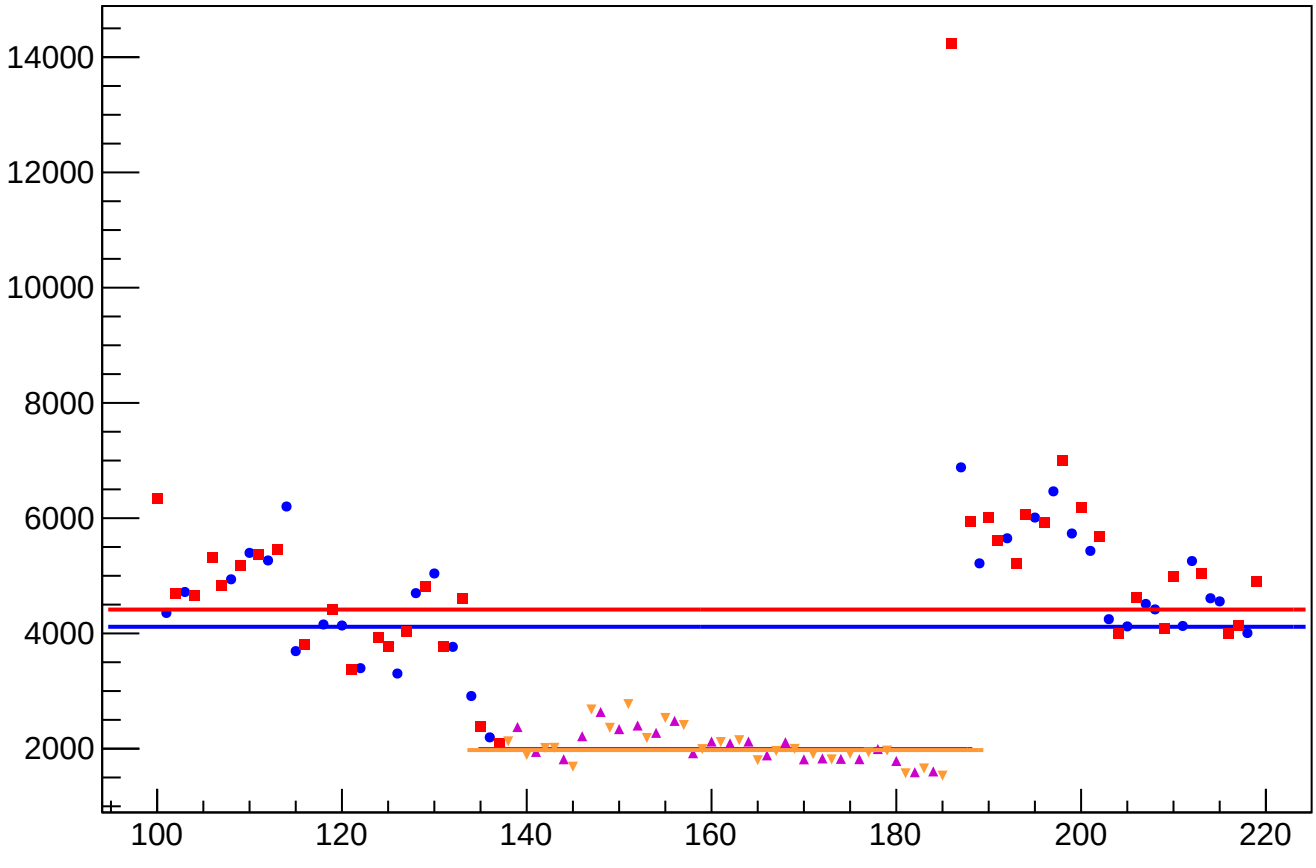
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -914.641+/-685.912 χ^2/NDF: 100.0/68

In: -871.547+/-421.990 χ^2/NDF:89.3/54

Out: -405.086+/-413.057 χ^2/NDF:88.4/61

All: -633.327+/-295.183 χ^2/NDF: 178.3/116



Right In: 4115.201+/-0.674 χ^2/NDF: 2793741.1/31

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4414.251+/-0.699 χ^2/NDF: 2971293.2/36

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

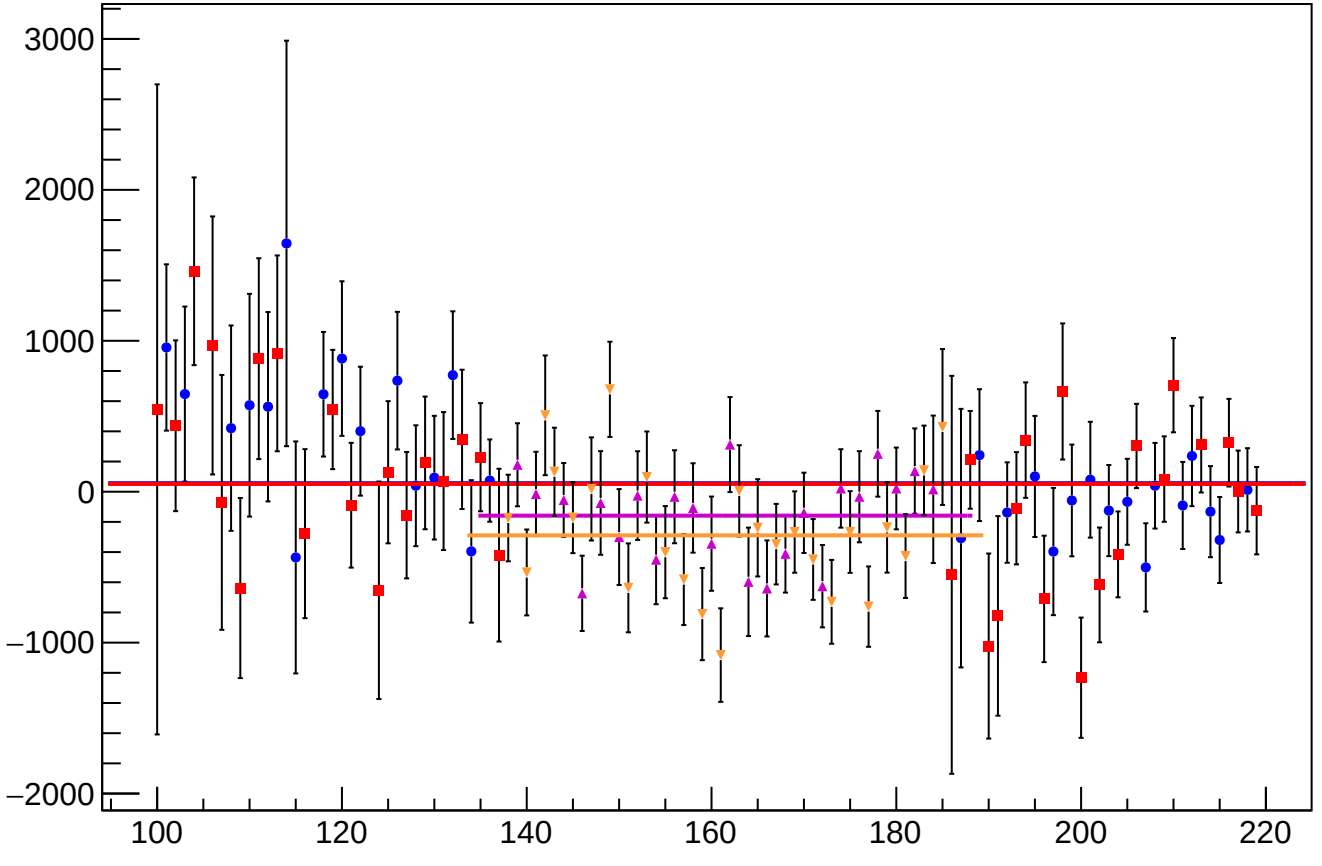
Right: 4259.187+/-0.485 χ^2/NDF: 5859947.1/68

In: 2410.920+/-0.298 χ^2/NDF:11359501.1/54

Out: 2401.708+/-0.292 χ^2/NDF:13778460.0/61

All: 2406.215+/-0.209 χ^2/NDF: 25138447.8/1

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 56.300+/-67.847 χ^2/NDF: 27.1/31

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 51.460+/-67.793 χ^2/NDF: 50.7/36

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

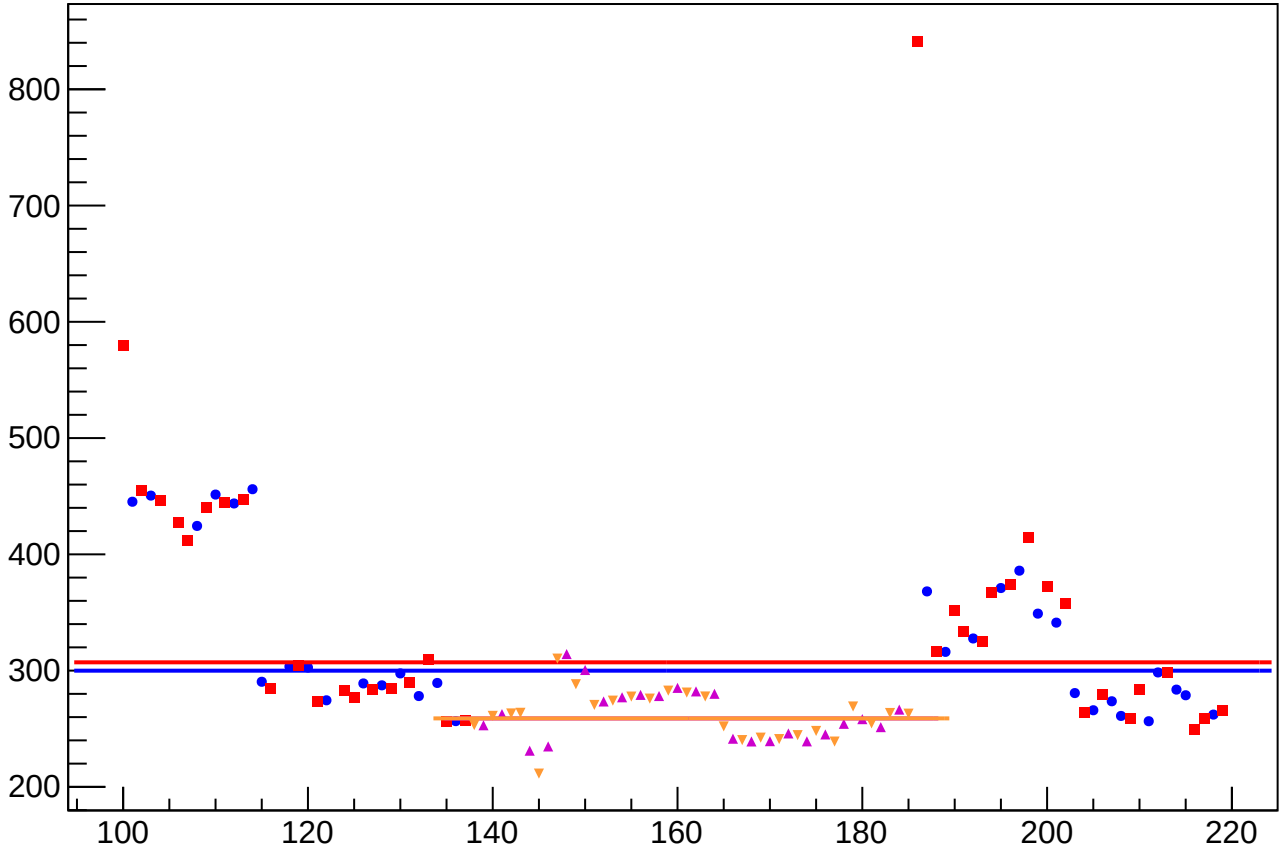
Right: 53.878+/-47.956 χ^2/NDF: 77.8/68

In: -63.055+/-45.241 χ^2/NDF:55.2/54

Out: -142.128+/-44.521 χ^2/NDF:107.5/61

All: -103.226+/-31.732 χ^2/NDF: 164.2/116

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 299.943+/-0.048 χ^2/NDF: 1049065.7/31

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 307.131+/-0.048 χ^2/NDF: 1686099.2/36

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

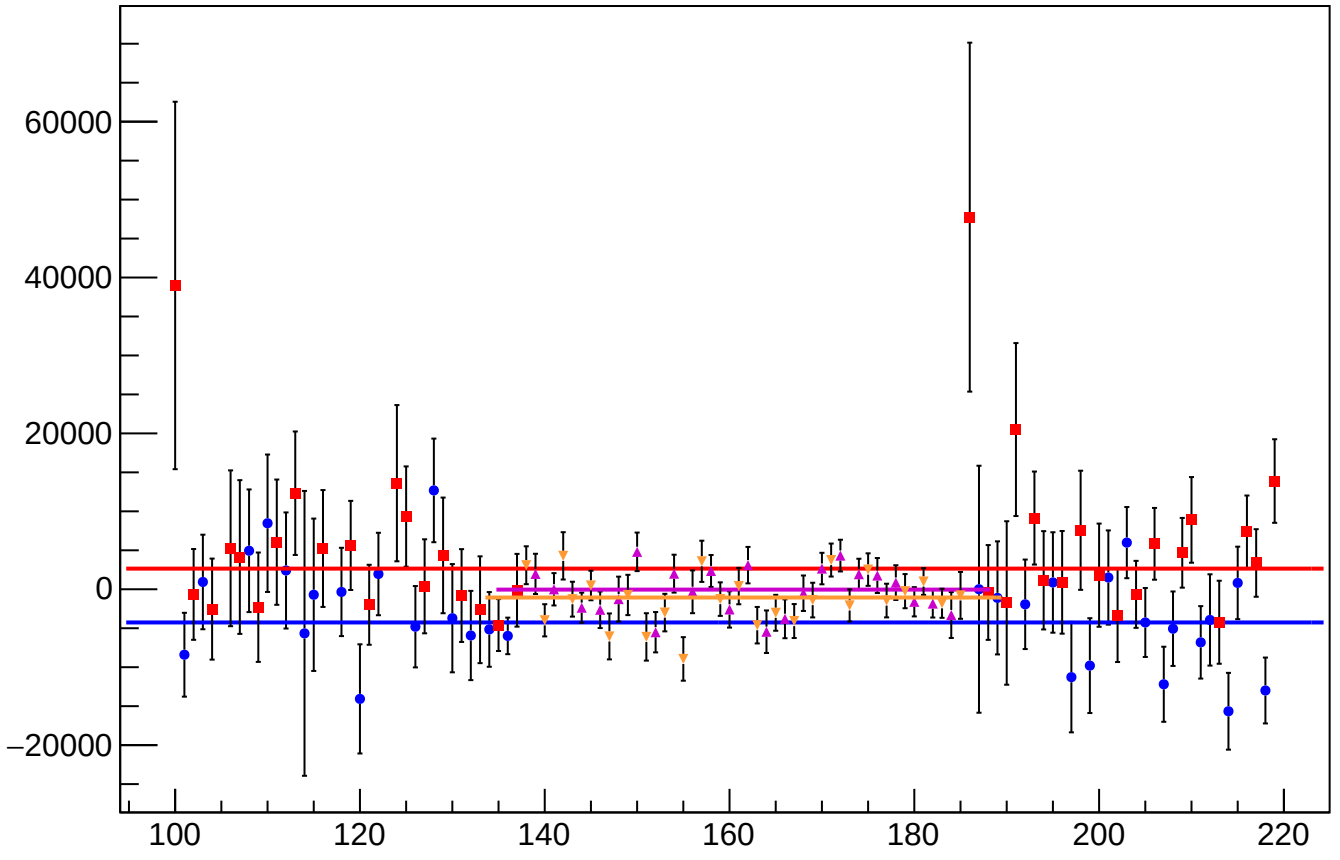
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 303.540+/-0.034 χ^2/NDF: 2746395.6/68

In: 277.118+/-0.032 χ^2/NDF:1701622.1/54

Out: 279.707+/-0.031 χ^2/NDF:2510272.2/61

All: 278.433+/-0.022 χ^2/NDF: 4215223.8/116



Right In: -4259.105+/-952.545 χ^2/NDF: 39.4/31

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 2649.385+/-989.130 χ^2/NDF: 34.7/36

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

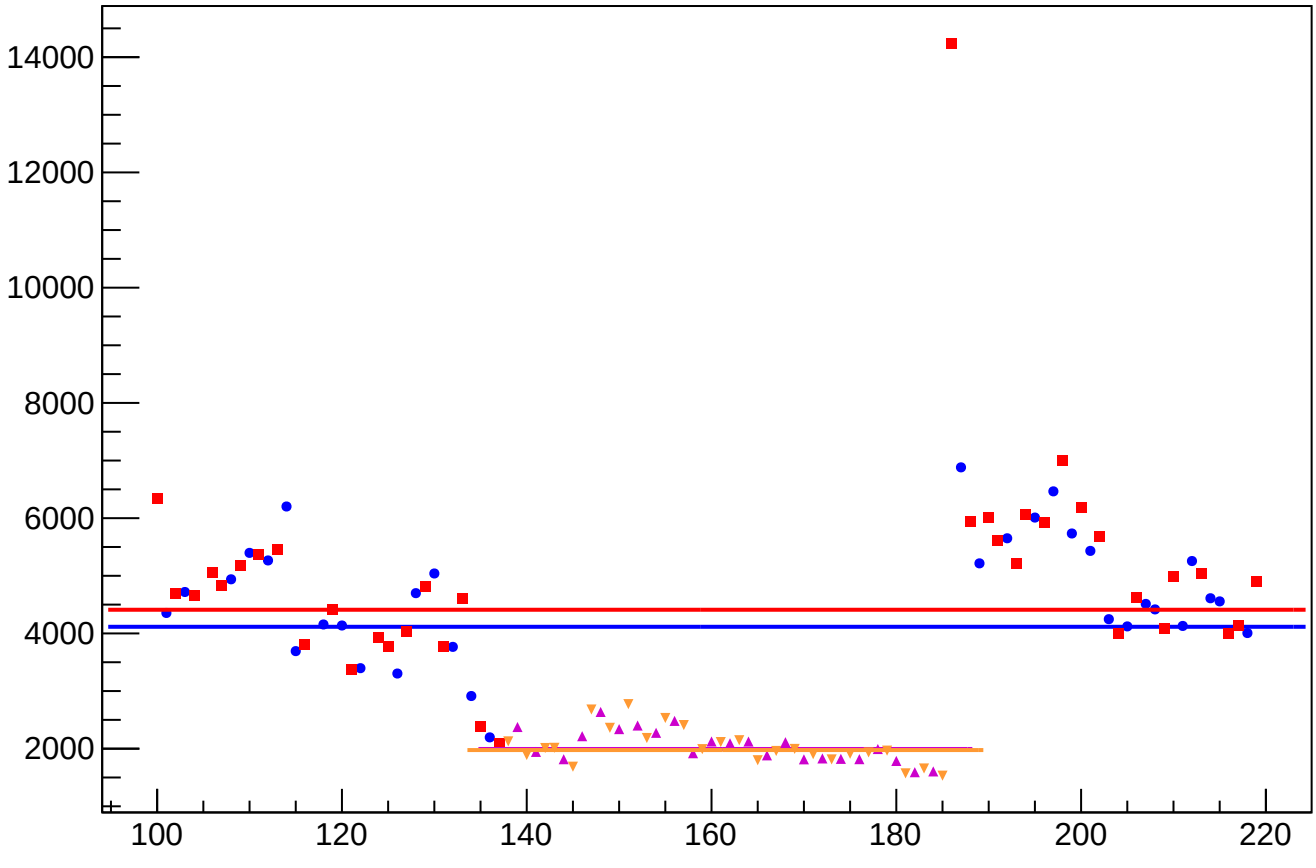
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -934.983+/-686.120 χ^2/NDF: 99.4/68

In: -871.539+/-421.990 χ^2/NDF:89.3/54

Out: -412.356+/-413.103 χ^2/NDF:87.9/61

All: -637.061+/-295.200 χ^2/NDF: 177.7/116



Right In: 4115.205+/-0.674 χ^2/NDF: 2793749.2/31

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4410.806+/-0.699 χ^2/NDF: 2961709.8/36

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

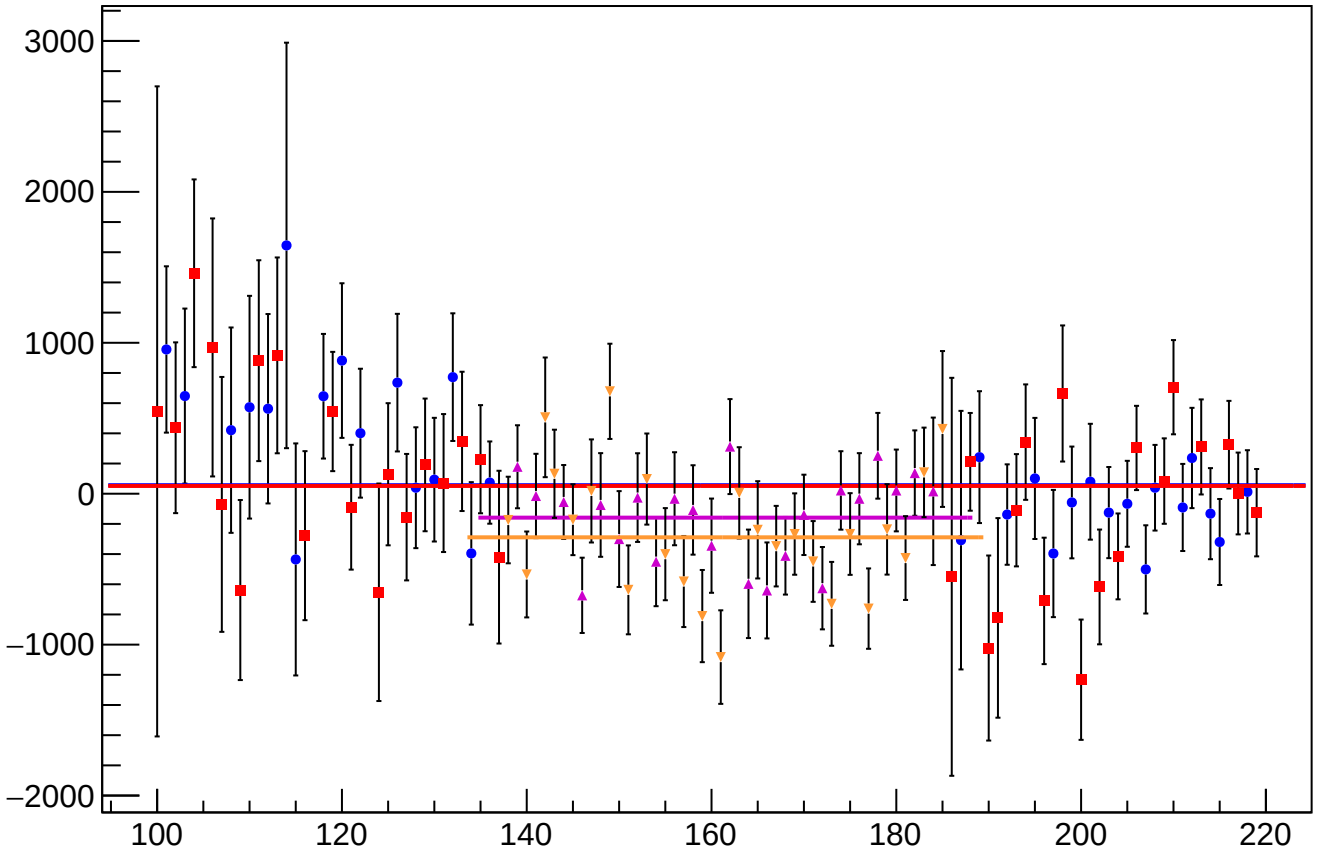
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4257.438+/-0.485 χ^2/NDF: 5848134.8/68

In: 2410.920+/-0.298 χ^2/NDF:11359519.5/54

Out: 2400.665+/-0.292 χ^2/NDF:13730112.6/61

All: 2405.683+/-0.209 χ^2/NDF: 25090235.2/



Right In: 56.300+/-67.847 χ^2/NDF: 27.1/31

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 51.460+/-67.793 χ^2/NDF: 50.7/36

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

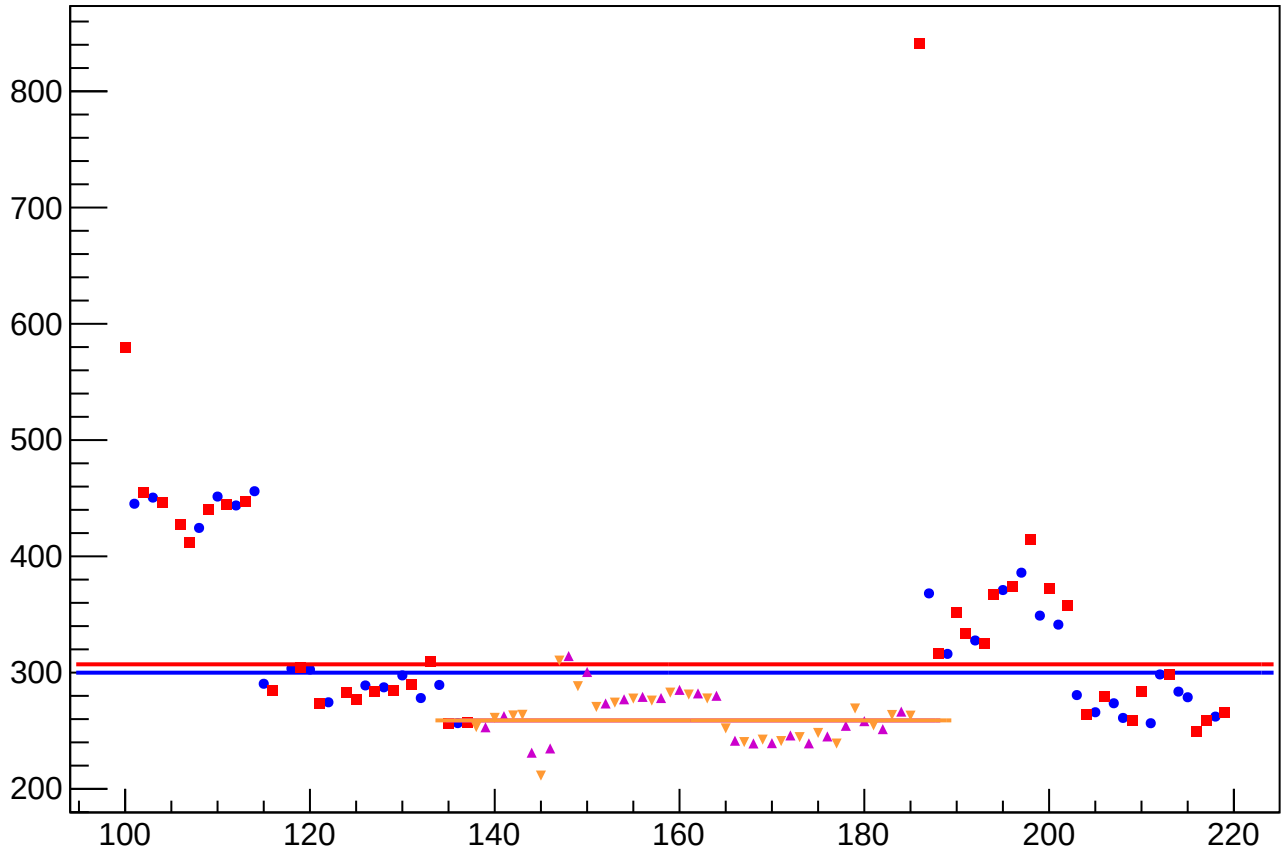
Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

Right: 53.878+/-47.956 χ^2/NDF: 77.8/68

In: -63.055+/-45.241 χ^2/NDF:55.2/54

Out: -142.128+/-44.521 χ^2/NDF:107.5/61

All: -103.226+/-31.732 χ^2/NDF: 164.2/116



Right In: 299.943+/-0.048 χ^2/NDF: 1049065.7/31

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 307.131+/-0.048 χ^2/NDF: 1686099.2/36

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

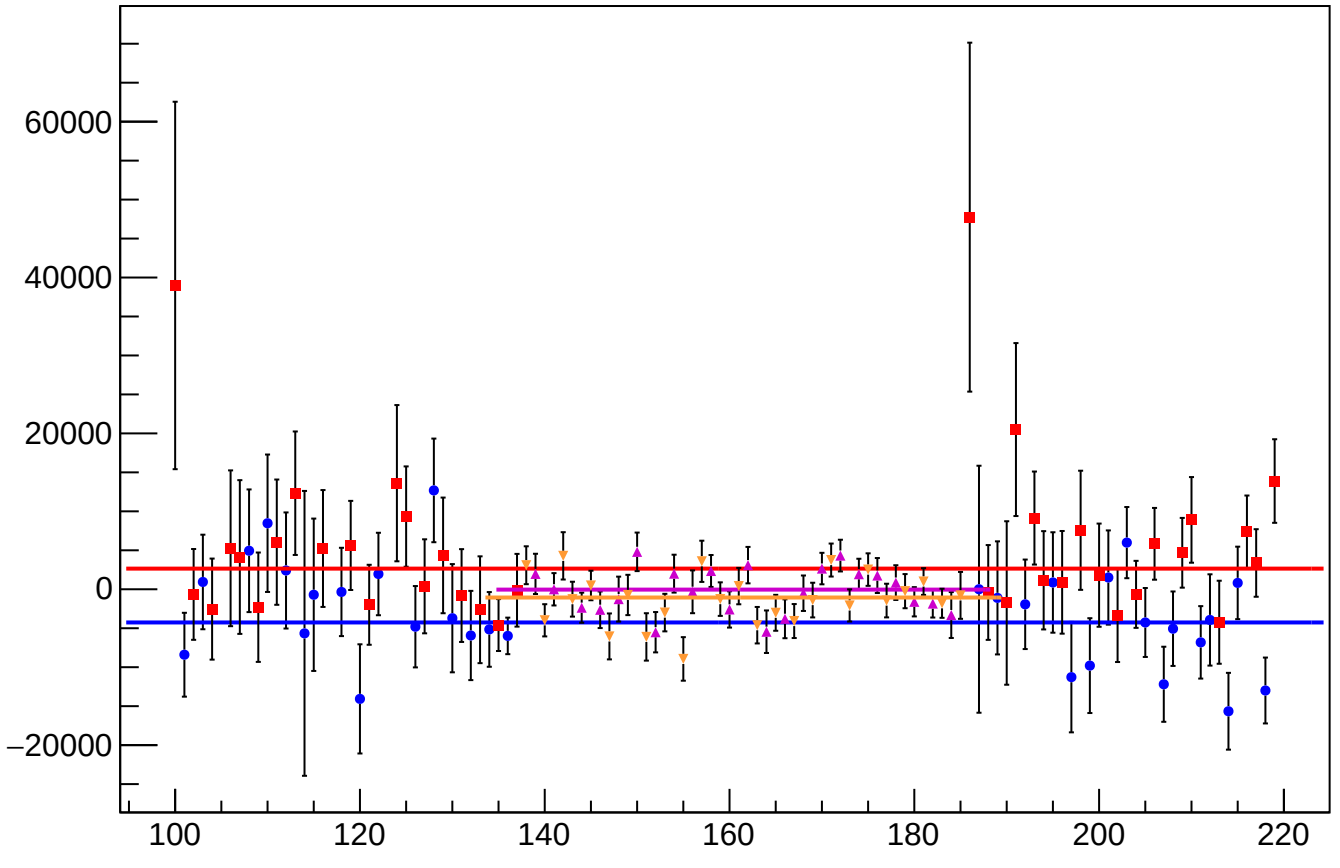
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 303.540+/-0.034 χ^2/NDF: 2746395.6/68

In: 277.118+/-0.032 χ^2/NDF:1701622.1/54

Out: 279.707+/-0.031 χ^2/NDF:2510272.2/61

All: 278.433+/-0.022 χ^2/NDF: 4215223.8/116



Right In: -4259.105+/-952.545 χ^2/NDF: 39.4/31

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 2649.385+/-989.130 χ^2/NDF: 34.7/36

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

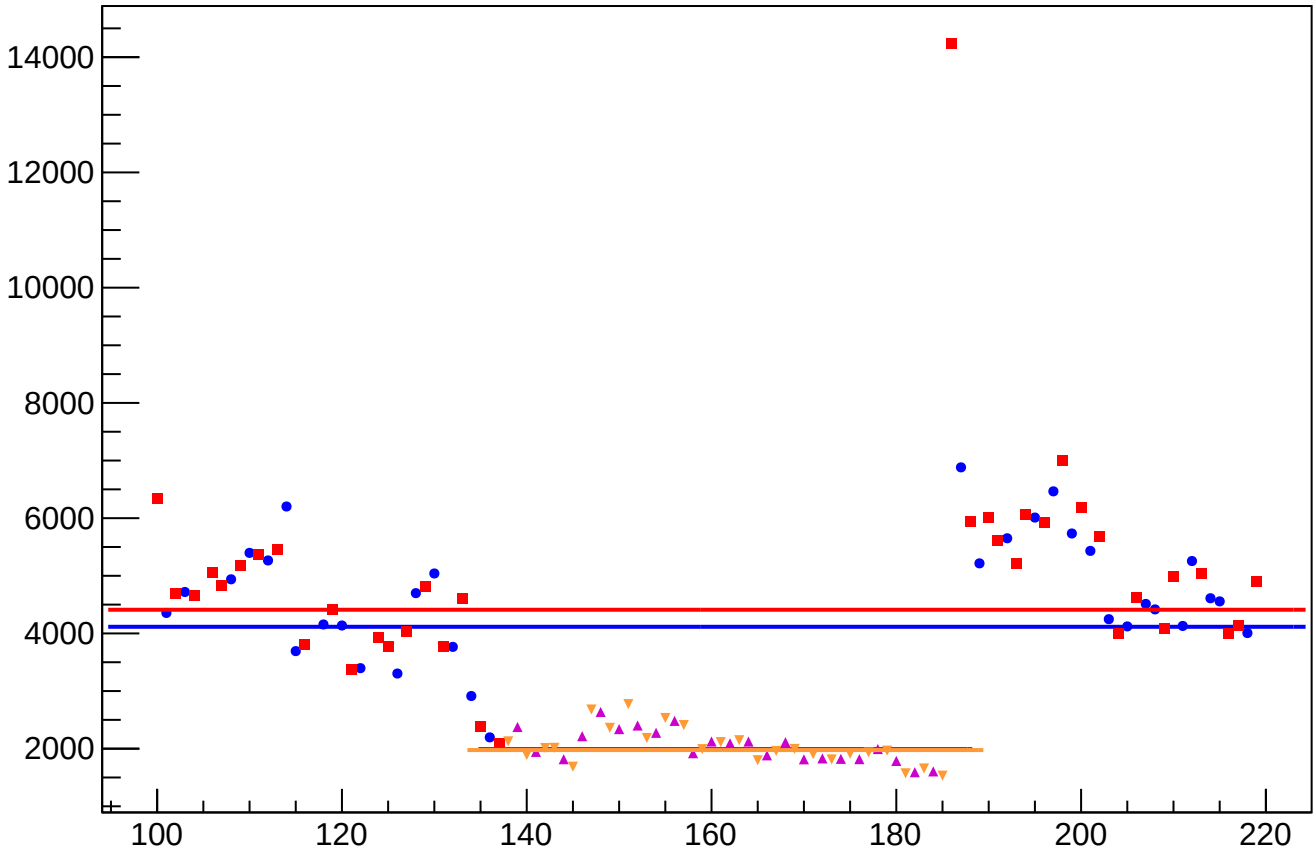
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -934.983+/-686.120 χ^2/NDF: 99.4/68

In: -871.539+/-421.990 χ^2/NDF:89.3/54

Out: -412.356+/-413.103 χ^2/NDF:87.9/61

All: -637.061+/-295.200 χ^2/NDF: 177.7/116



Right In: 4115.205+/-0.674 χ^2/NDF: 2793749.2/31

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4410.806+/-0.699 χ^2/NDF: 2961709.8/36

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

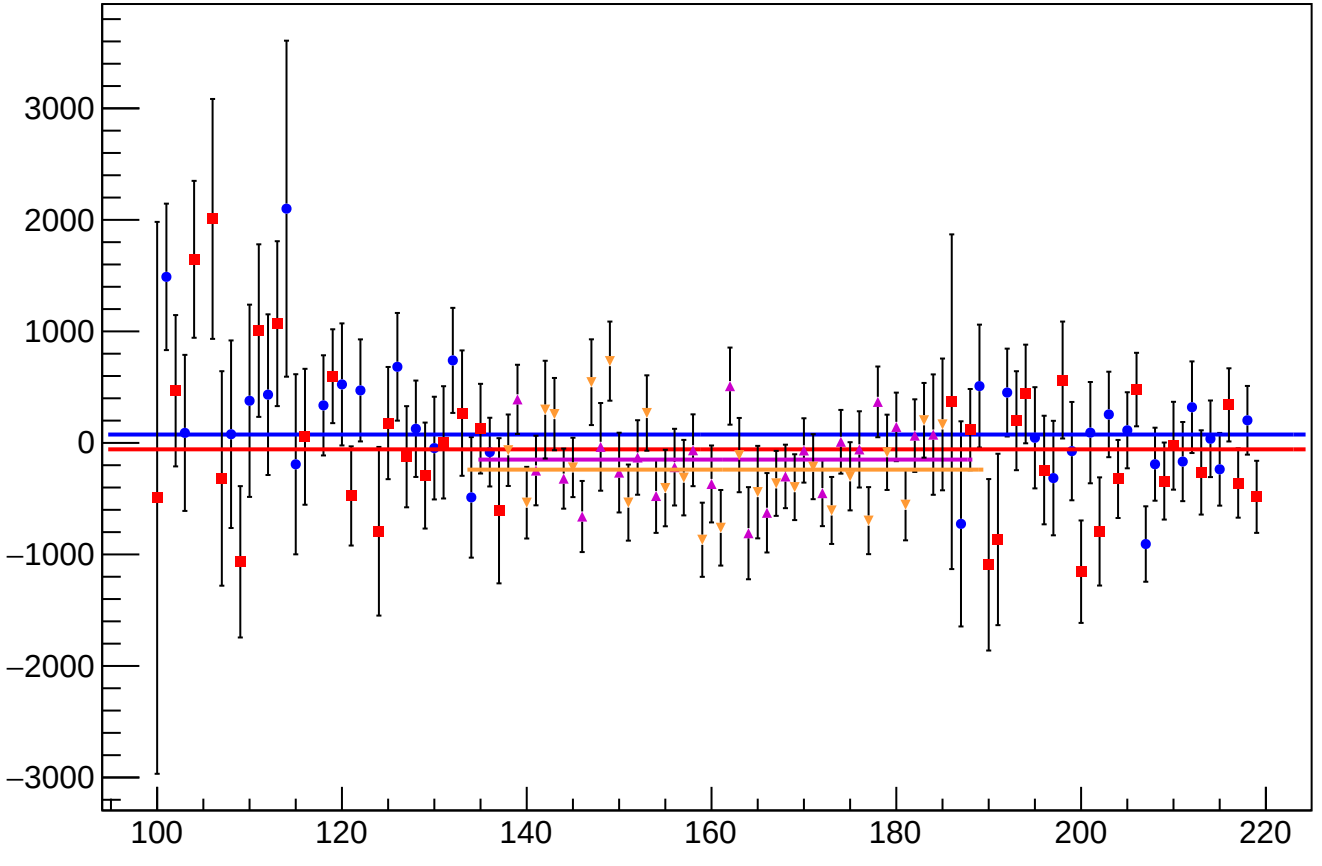
Right: 4257.438+/-0.485 χ^2/NDF: 5848134.8/68

In: 2410.920+/-0.298 χ^2/NDF:11359519.5/54

Out: 2400.665+/-0.292 χ^2/NDF:13730112.6/61

All: 2405.683+/-0.209 χ^2/NDF: 25090235.2/

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 75.177+/-78.503 χ^2/NDF: 27.9/31

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -57.626+/-78.362 χ^2/NDF: 45.5/36

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

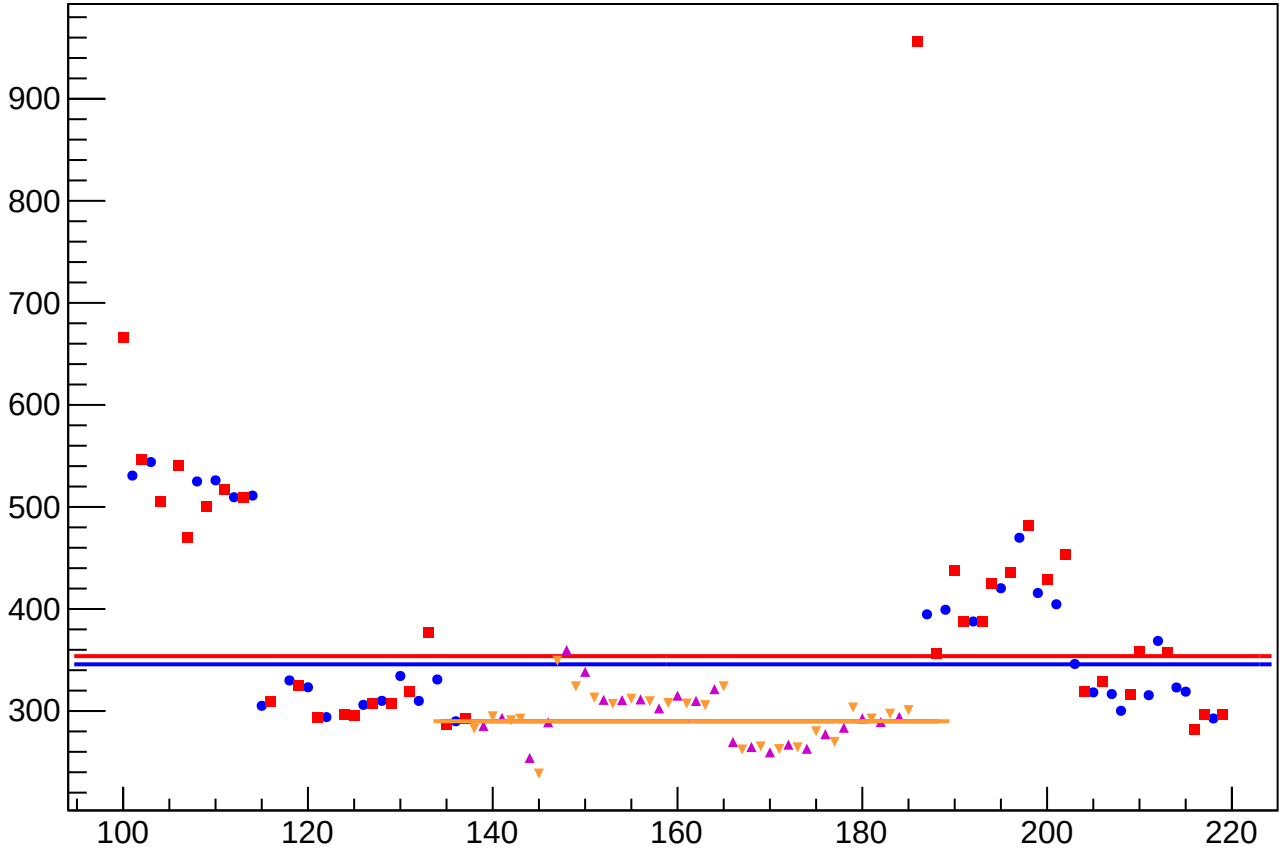
Right: 8.656+/-55.460 χ^2/NDF: 74.8/68

In: -52.938+/-51.467 χ^2/NDF:54.3/54

Out: -163.828+/-50.555 χ^2/NDF:82.7/61

All: -109.375+/-36.066 χ^2/NDF: 139.3/116

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 345.763+/-0.056 χ^2/NDF: 1239699.0/31

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 353.780+/-0.055 χ^2/NDF: 1874497.7/36

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

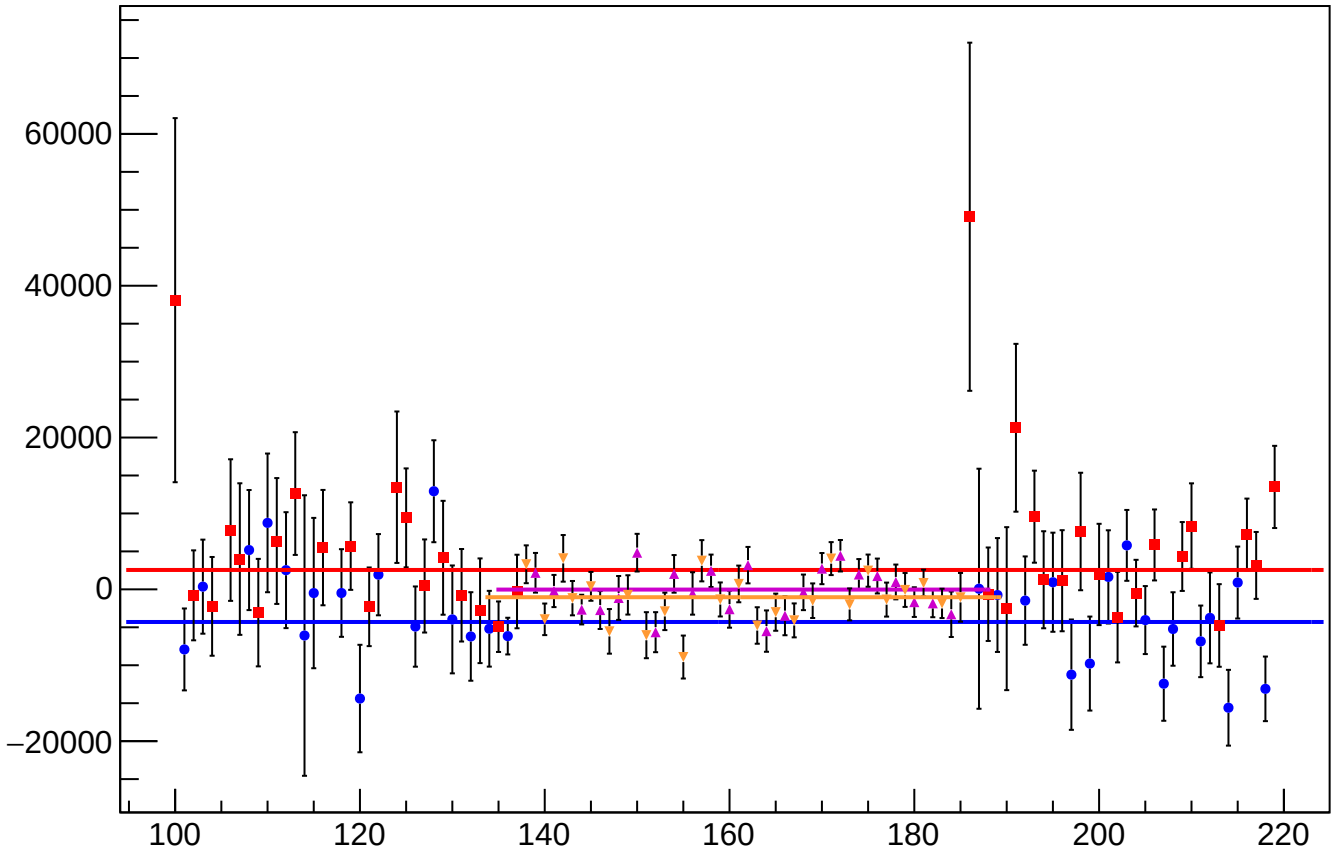
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 349.779+/-0.039 χ^2/NDF: 3124643.9/68

In: 313.935+/-0.036 χ^2/NDF:2085965.8/54

Out: 316.560+/-0.036 χ^2/NDF:2928047.3/61

All: 315.271+/-0.026 χ^2/NDF: 5016661.5/116



Right In: -4299.824+/-970.663 χ^2/NDF: 38.8/31

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 2553.592+/-1001.324 χ^2/NDF: 35.4/36

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

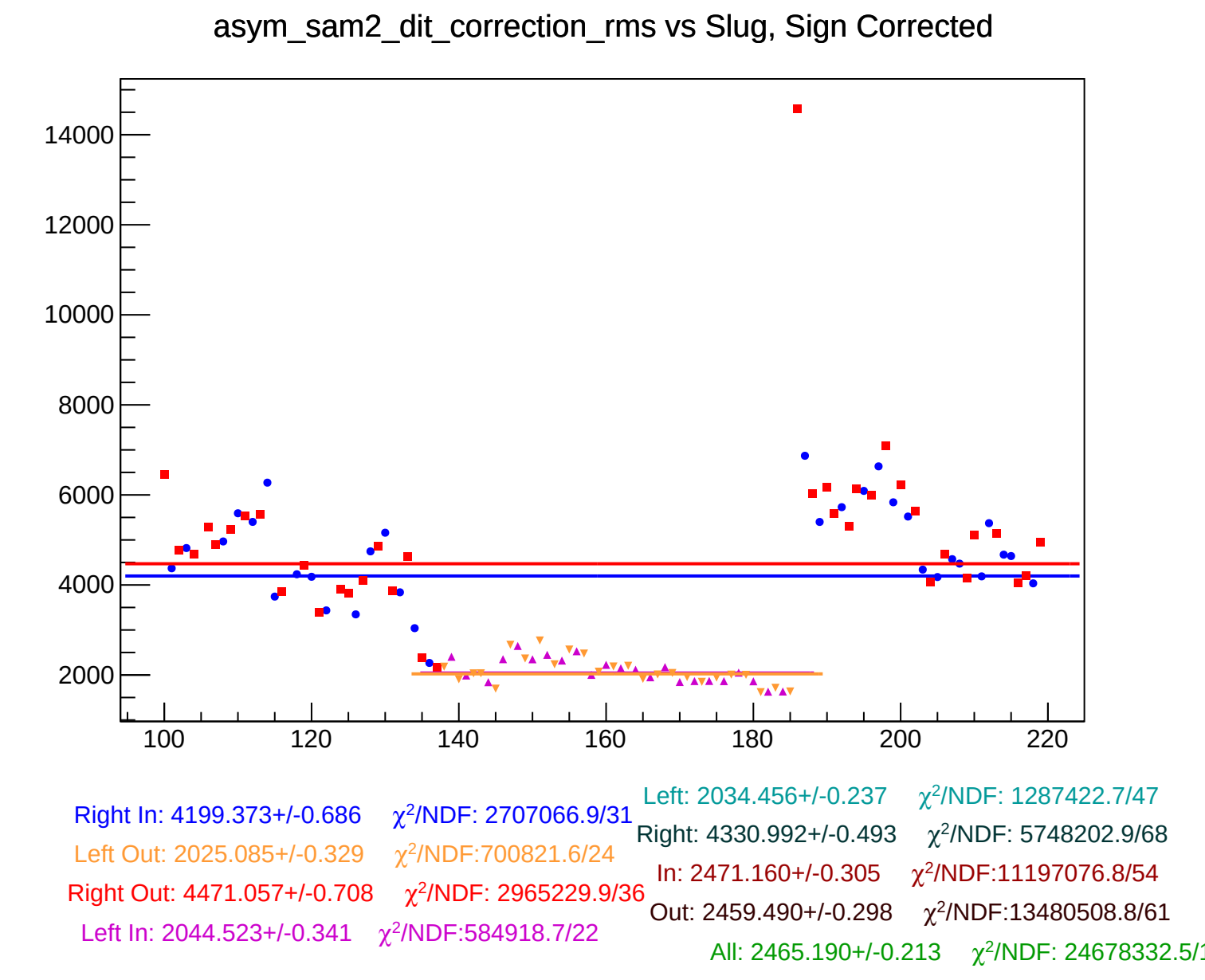
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

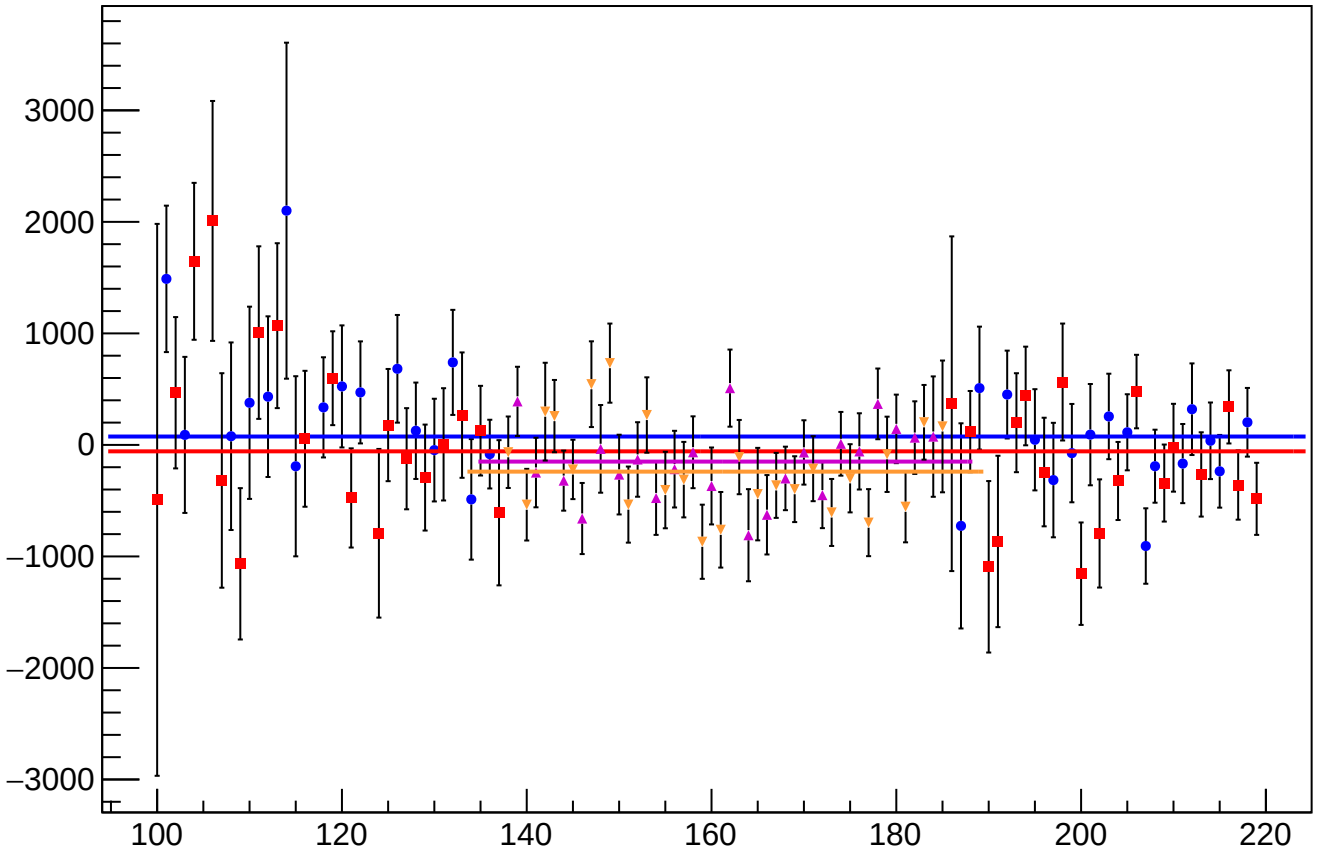
Right: -979.649+/-696.950 χ^2/NDF: 98.3/68

In: -875.695+/-431.906 χ^2/NDF:88.4/54

Out: -398.974+/-421.985 χ^2/NDF:86.3/61

All: -631.796+/-301.835 χ^2/NDF: 175.3/116


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: 4199.373+/-0.686 χ²/NDF: 2707066.9/31
Left Out: 2025.085+/-0.329 χ²/NDF:700821.6/24
Right Out: 4471.057+/-0.708 χ²/NDF: 2965229.9/36
Left In: 2044.523+/-0.341 χ²/NDF:584918.7/22
Left: 2034.456+/-0.237 χ²/NDF: 1287422.7/47
Right: 4330.992+/-0.493 χ²/NDF: 5748202.9/68
In: 2471.160+/-0.305 χ²/NDF:11197076.8/54
Out: 2459.490+/-0.298 χ²/NDF:13480508.8/61
All: 2465.190+/-0.213 χ²/NDF: 24678332.5/



Right In: 75.185+/-78.503 χ^2/NDF: 27.9/31

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -57.629+/-78.361 χ^2/NDF: 45.5/36

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

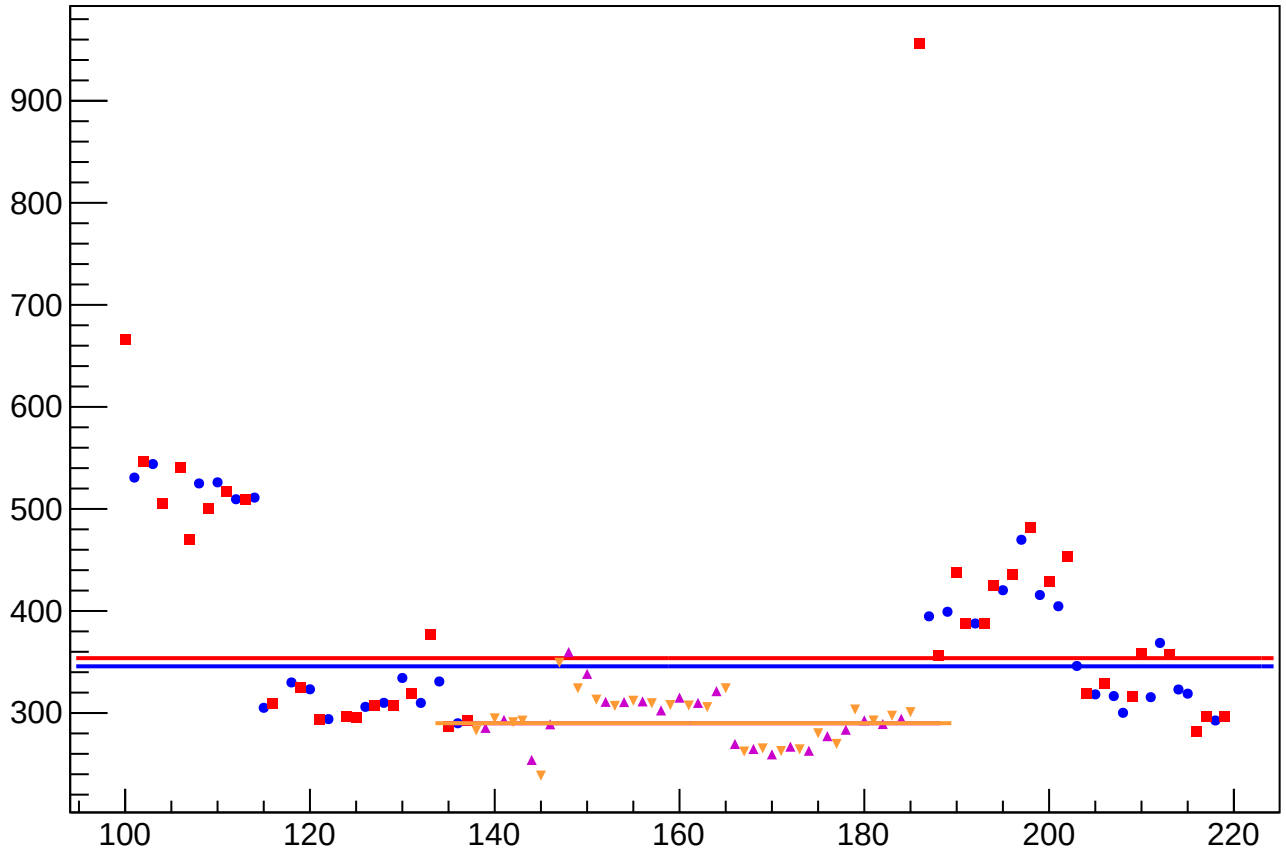
Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

Right: 8.658+/-55.460 χ^2/NDF: 74.8/68

In: -52.935+/-51.467 χ^2/NDF:54.3/54

Out: -163.832+/-50.555 χ^2/NDF:82.7/61

All: -109.375+/-36.066 χ^2/NDF: 139.3/116



Right In: 345.762+/-0.056 χ^2/NDF: 1239694.1/31

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 353.779+/-0.055 χ^2/NDF: 1874487.8/36

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

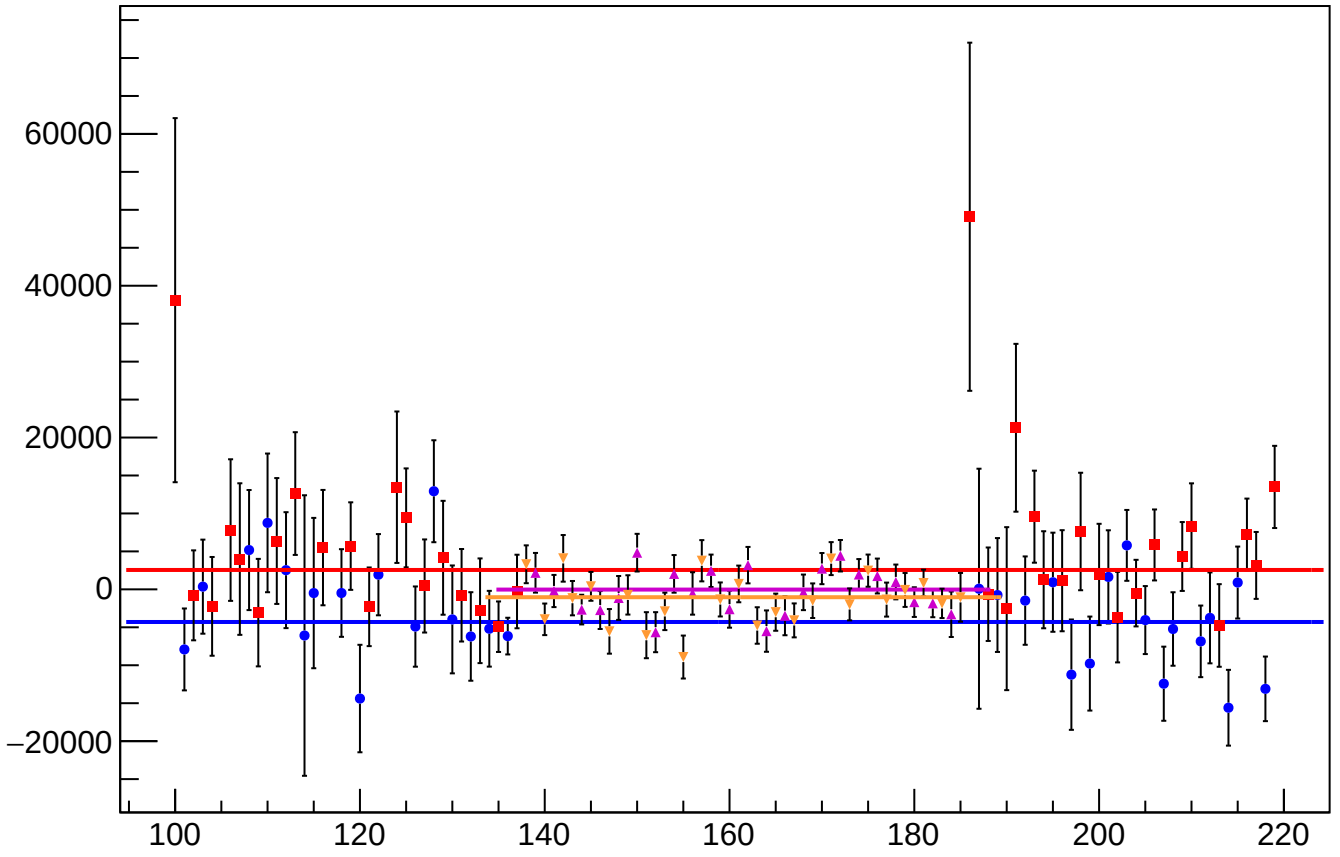
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 349.778+/-0.039 χ^2/NDF: 3124630.0/68

In: 313.934+/-0.036 χ^2/NDF:2085950.6/54

Out: 316.560+/-0.036 χ^2/NDF:2928033.4/61

All: 315.271+/-0.026 χ^2/NDF: 5016632.8/116



Right In: -4299.819+/-970.663 χ^2/NDF: 38.8/31

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 2553.589+/-1001.324 χ^2/NDF: 35.4/36

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

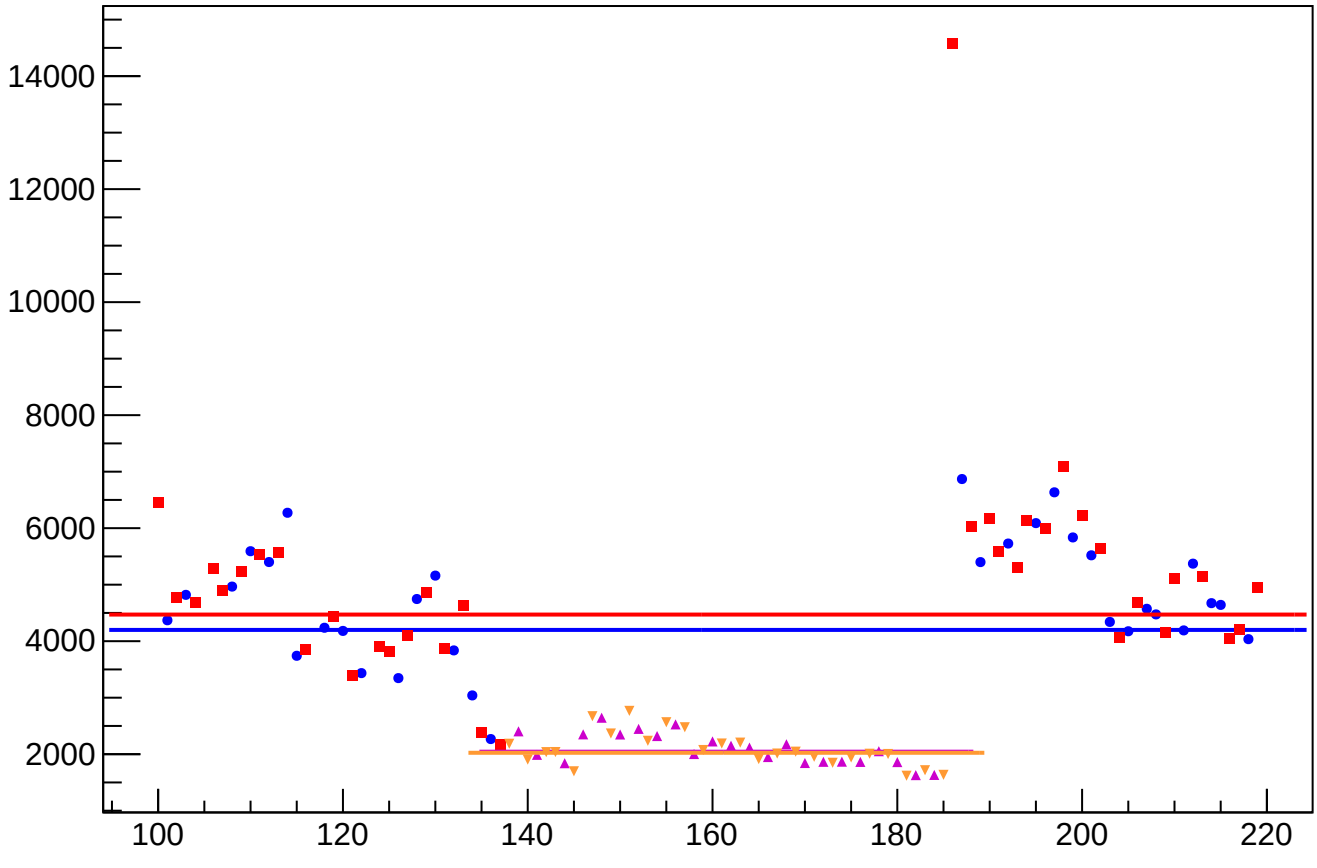
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -979.649+/-696.950 χ^2/NDF: 98.3/68

In: -875.694+/-431.906 χ^2/NDF:88.4/54

Out: -398.973+/-421.985 χ^2/NDF:86.3/61

All: -631.795+/-301.835 χ^2/NDF: 175.3/116



Right In: 4199.370+/-0.686 χ^2/NDF: 2707059.8/31

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4471.055+/-0.708 χ^2/NDF: 2965224.4/36

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

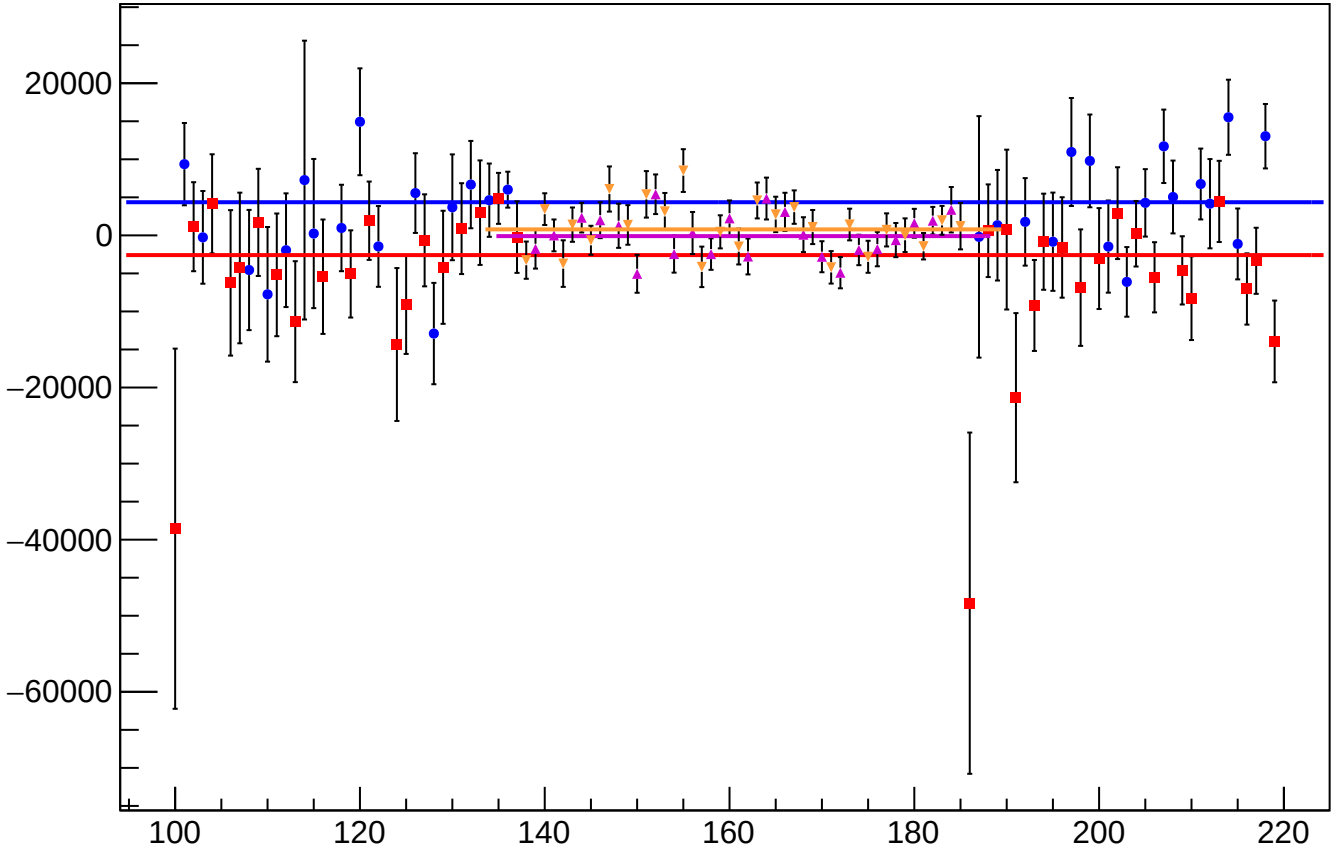
Right: 4330.989+/-0.493 χ^2/NDF: 5748190.6/68

In: 2471.160+/-0.305 χ^2/NDF:11197066.5/54

Out: 2459.491+/-0.298 χ^2/NDF:13480496.5/61

All: 2465.190+/-0.213 χ^2/NDF: 24678310.0/1

asym_sam2_mean vs Slug, Sign Corrected



Right In: 4358.819+/-955.774 χ^2/NDF: 39.0/31

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -2592.196+/-991.542 χ^2/NDF: 34.6/36

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

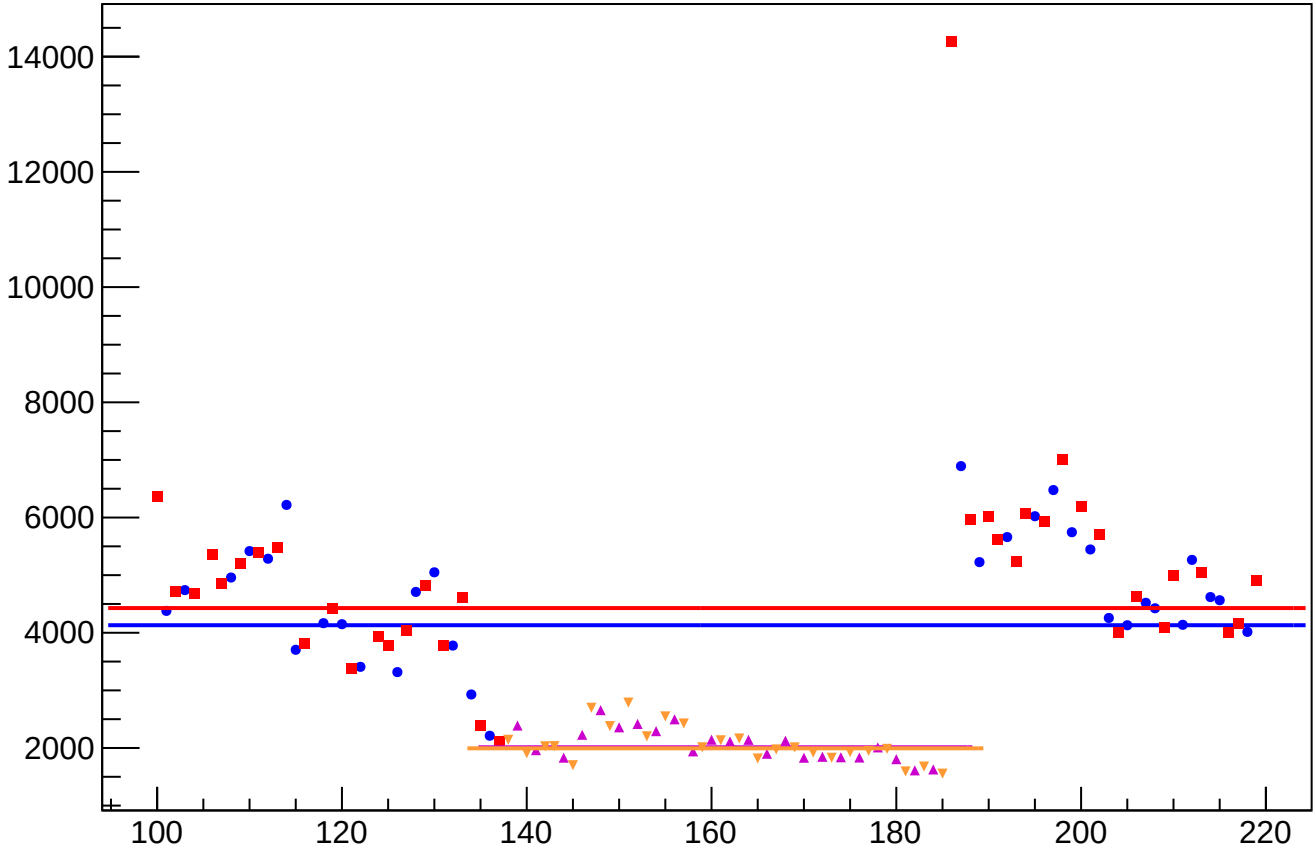
Right: 1010.942+/-688.132 χ^2/NDF: 99.0/68

In: 785.250+/-425.240 χ^2/NDF:89.2/54

Out: 192.335+/-416.330 χ^2/NDF:85.5/61

All: 482.516+/-297.490 χ^2/NDF: 175.7/116

asym_sam2_rms vs Slug, Sign Corrected



Right In: 4131.061+/-0.676 χ^2/NDF: 2761147.7/31

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4428.747+/-0.701 χ^2/NDF: 2949094.2/36

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

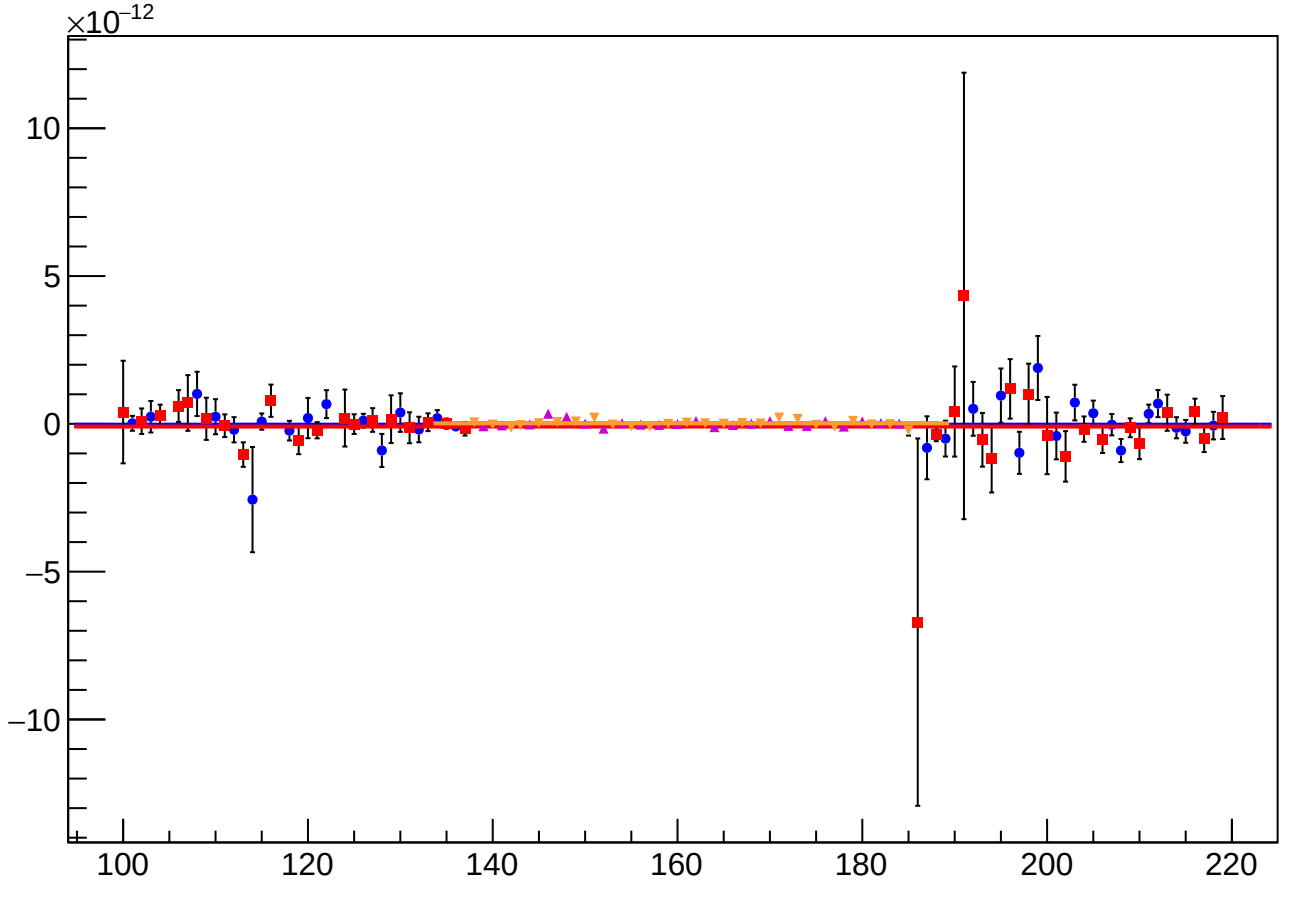
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4274.438+/-0.487 χ^2/NDF: 5803686.9/68

In: 2432.025+/-0.301 χ^2/NDF:11228359.5/54

Out: 2423.449+/-0.294 χ^2/NDF:13626675.9/61

All: 2427.646+/-0.210 χ^2/NDF: 24855450.8/1



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/36

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

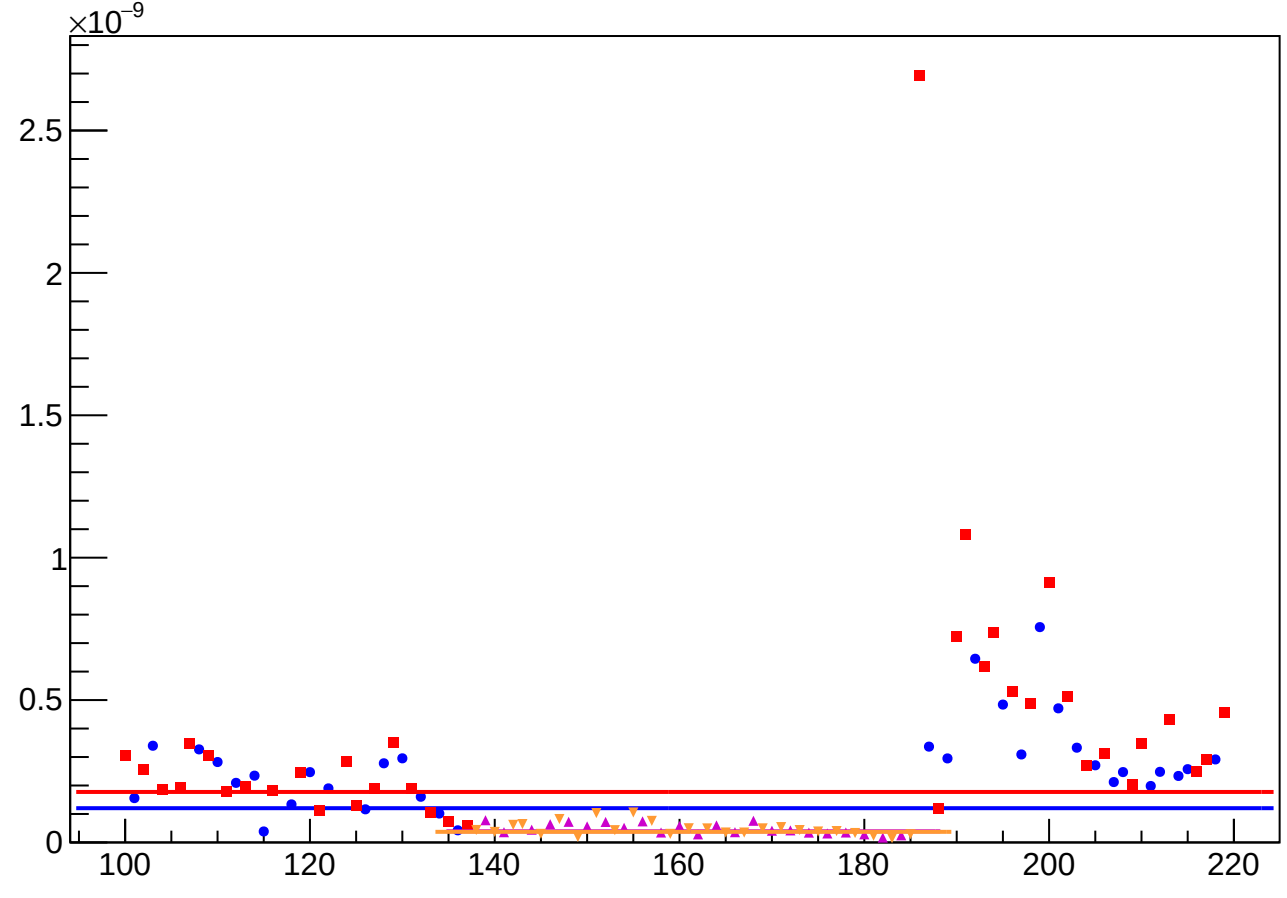
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 59.1/68

In: 0.000+/-0.000 χ^2/NDF:62.5/54

Out: 0.000+/-0.000 χ^2/NDF:50.7/61

All: 0.000+/-0.000 χ^2/NDF: 113.2/116



Right In: 0.000+/-0.000 χ^2/NDF: 7749999.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6258608.9/36

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

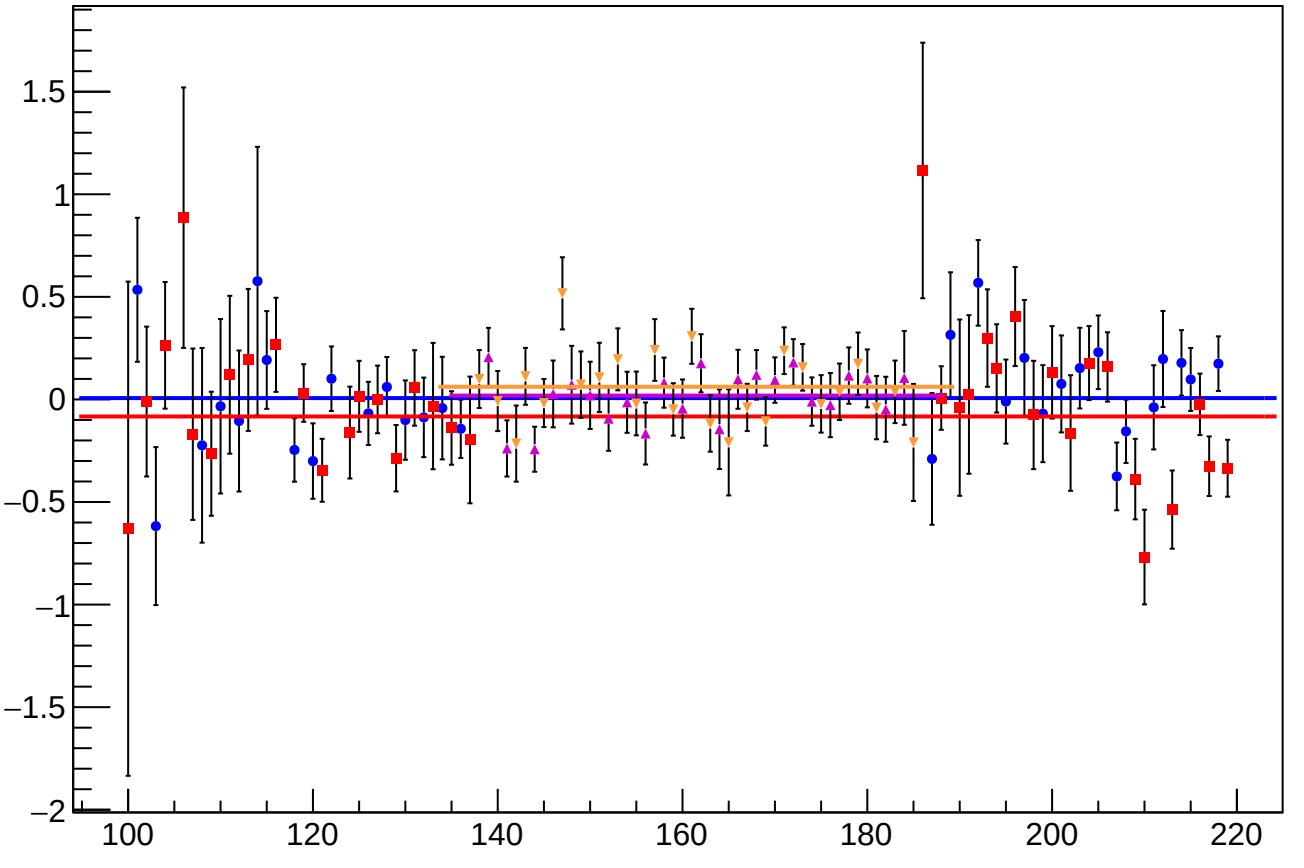
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 14831704.3/68

In: 0.000+/-0.000 χ^2/NDF:13772057.9/54

Out: 0.000+/-0.000 χ^2/NDF:16145413.3/61

All: 0.000+/-0.000 χ^2/NDF: 29939277.2/116



Right In: 0.007+/-0.035 χ^2/NDF: 36.6/31

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.083+/-0.035 χ^2/NDF: 54.4/36

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

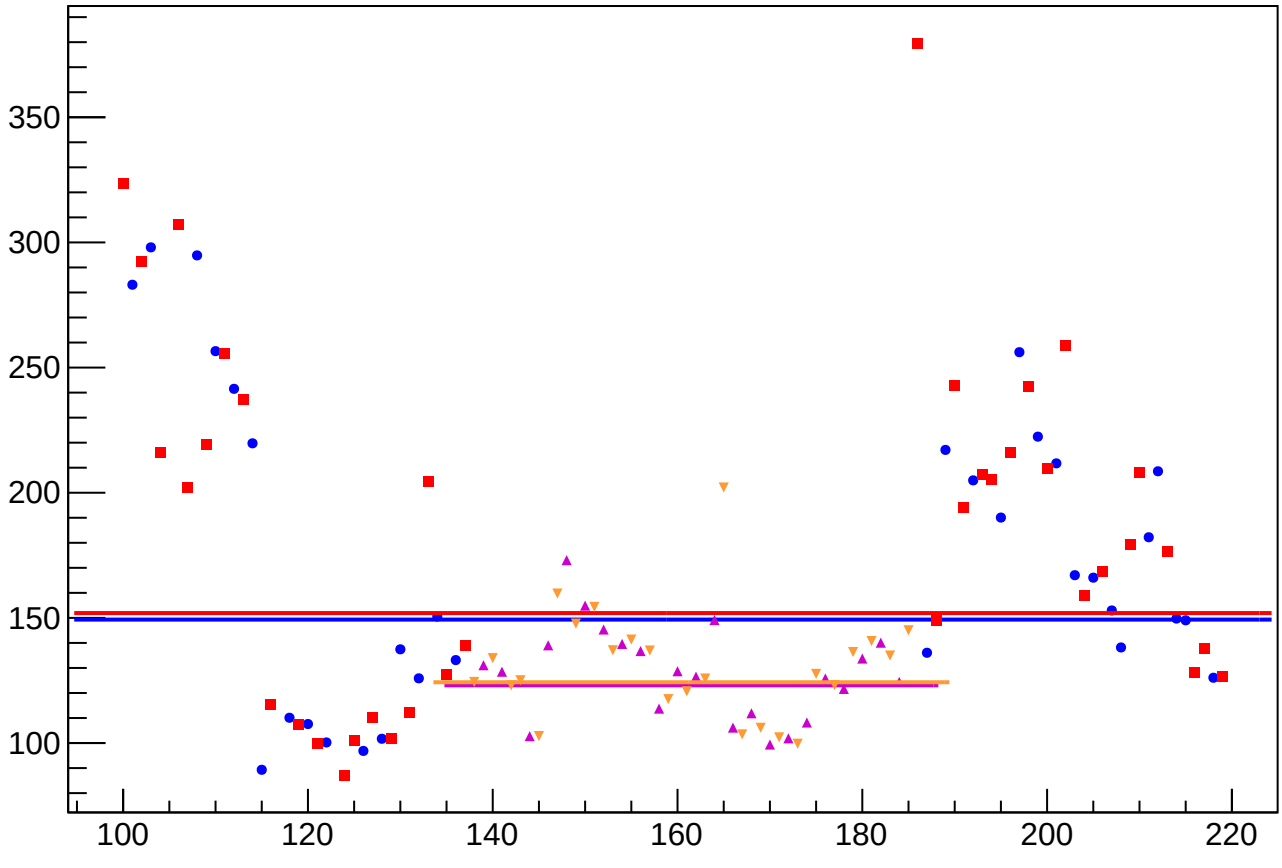
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.039+/-0.025 χ^2/NDF: 94.3/68

In: 0.014+/-0.023 χ^2/NDF:57.0/54

Out: 0.003+/-0.022 χ^2/NDF:92.1/61

All: 0.009+/-0.016 χ^2/NDF: 149.2/116



Right In: 149.322+/-0.025 χ^2/NDF: 3357895.0/31

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 151.933+/-0.025 χ^2/NDF: 4028543.9/36

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

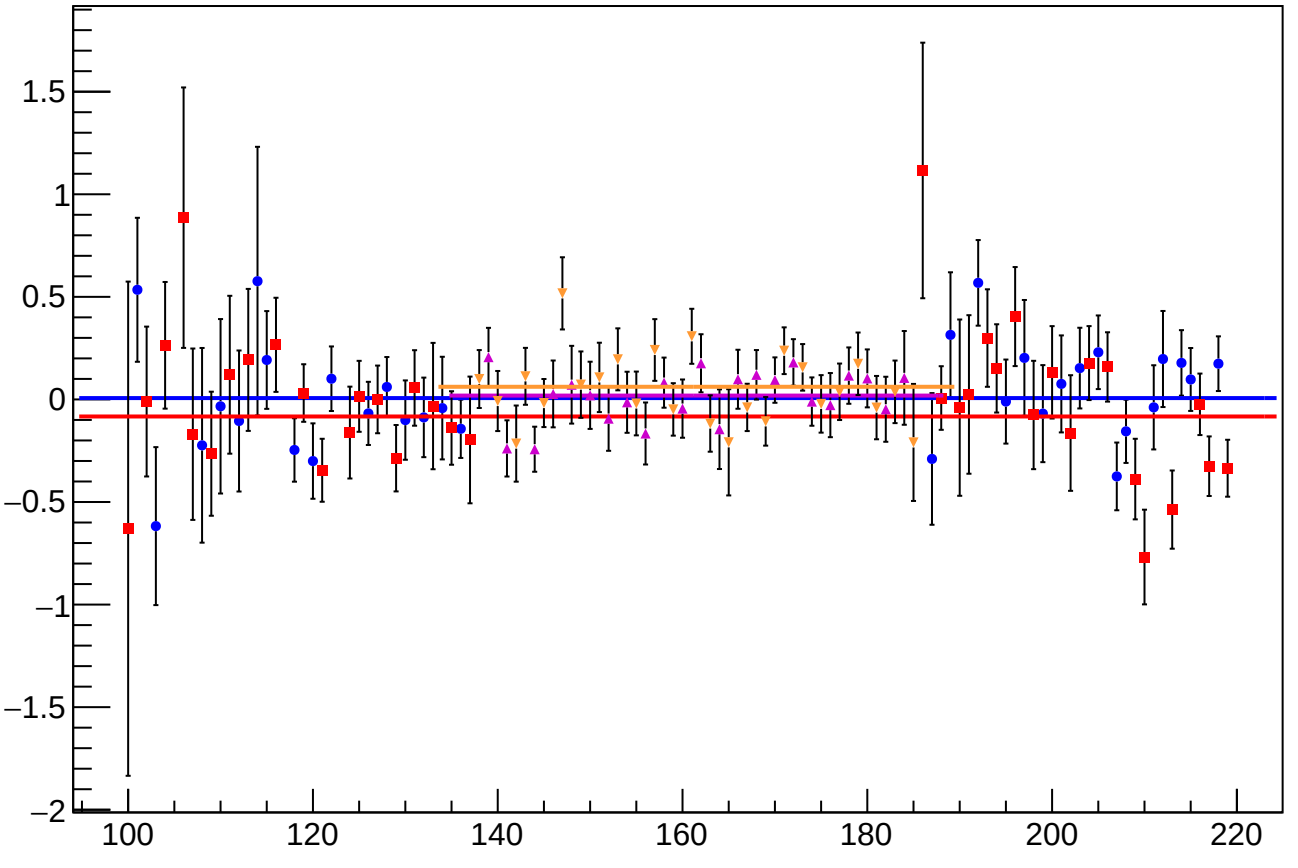
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 150.637+/-0.018 χ^2/NDF: 7391965.0/68

In: 133.802+/-0.016 χ^2/NDF:4732425.1/54

Out: 135.399+/-0.016 χ^2/NDF:5615957.4/61

All: 134.614+/-0.011 χ^2/NDF: 10353480.3/11



Right In: 0.007+/-0.035 χ^2/NDF: 36.6/31

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.083+/-0.035 χ^2/NDF: 54.4/36

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

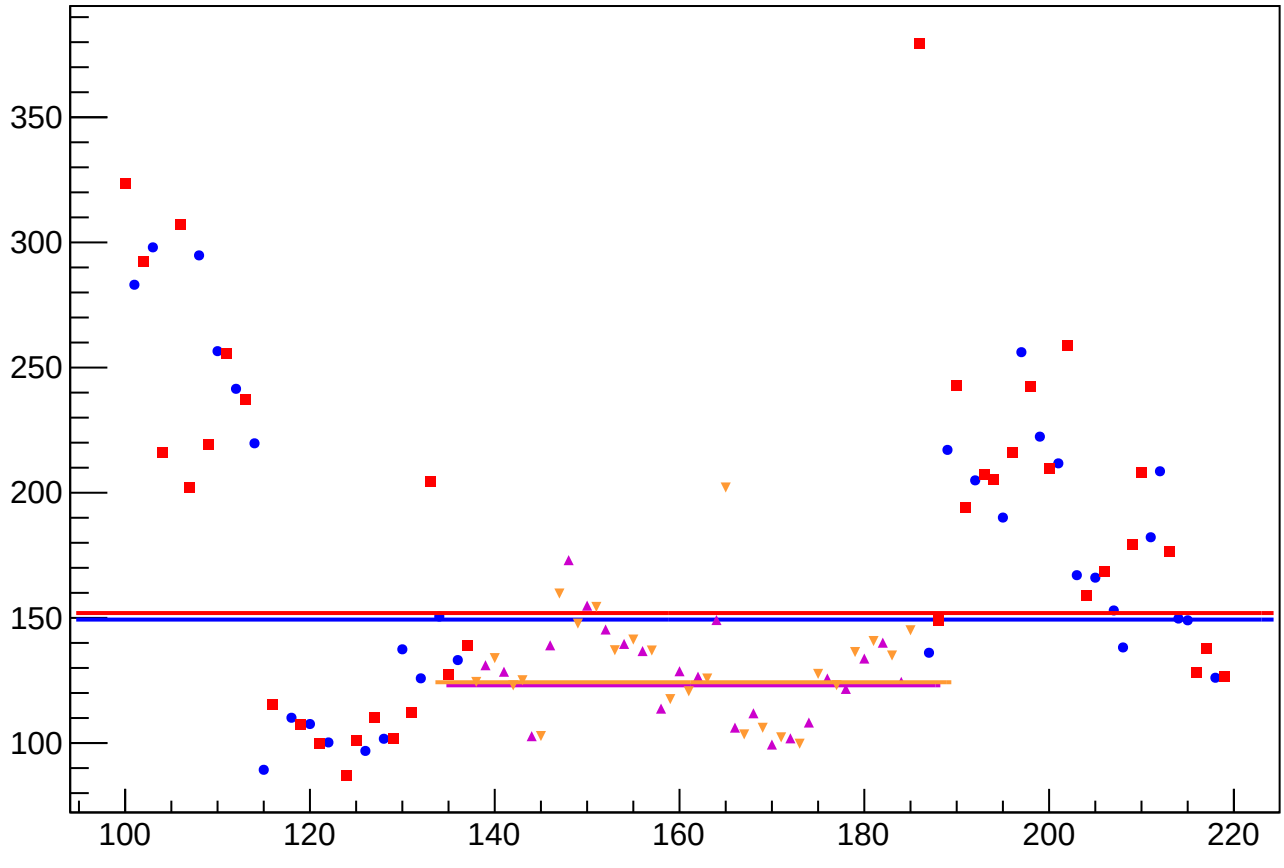
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.039+/-0.025 χ^2/NDF: 94.3/68

In: 0.014+/-0.023 χ^2/NDF:57.0/54

Out: 0.003+/-0.022 χ^2/NDF:92.1/61

All: 0.009+/-0.016 χ^2/NDF: 149.2/116



Right In: 149.322+/-0.025 χ^2/NDF: 3357895.0/31

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 151.933+/-0.025 χ^2/NDF: 4028543.9/36

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

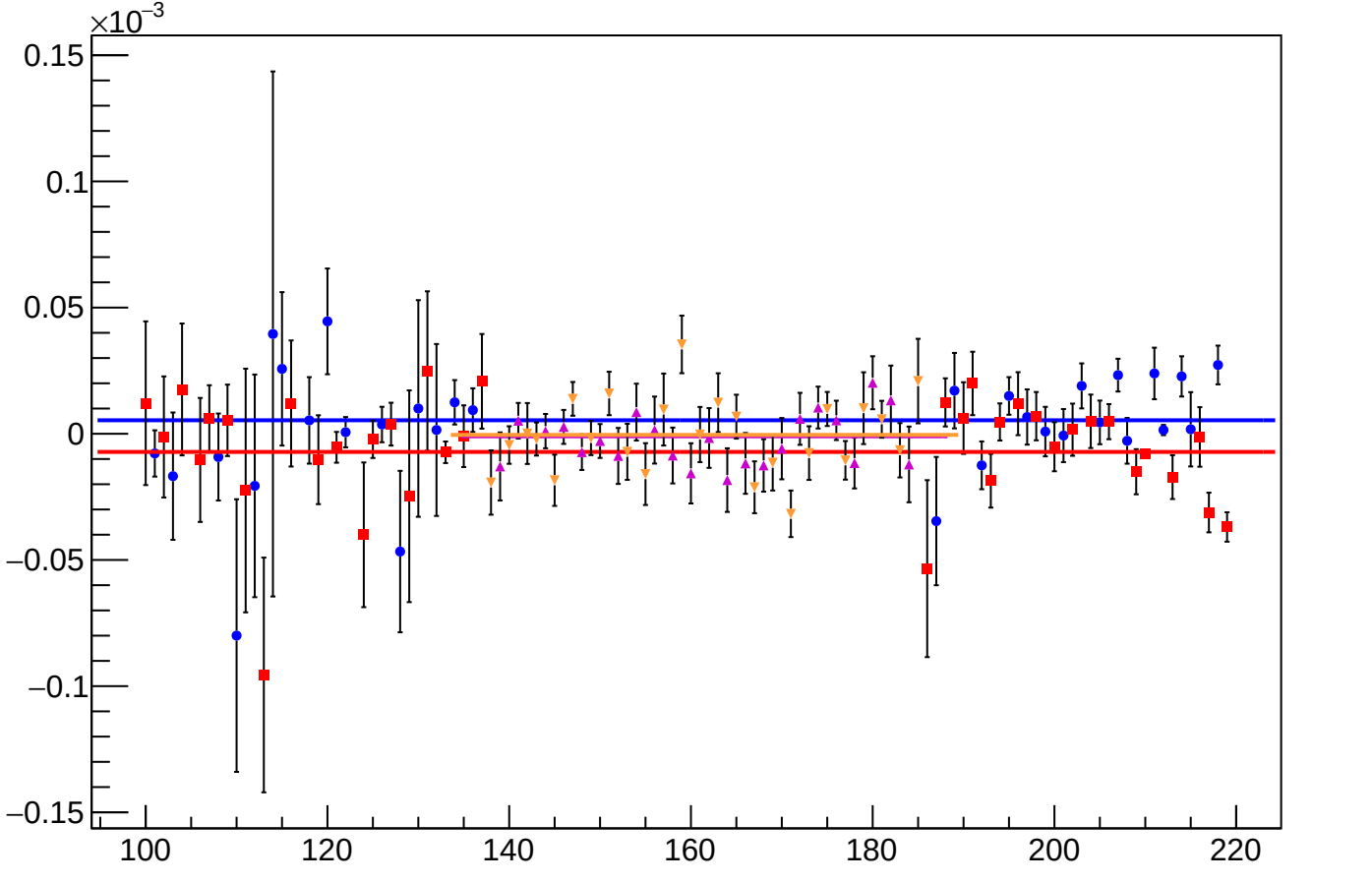
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

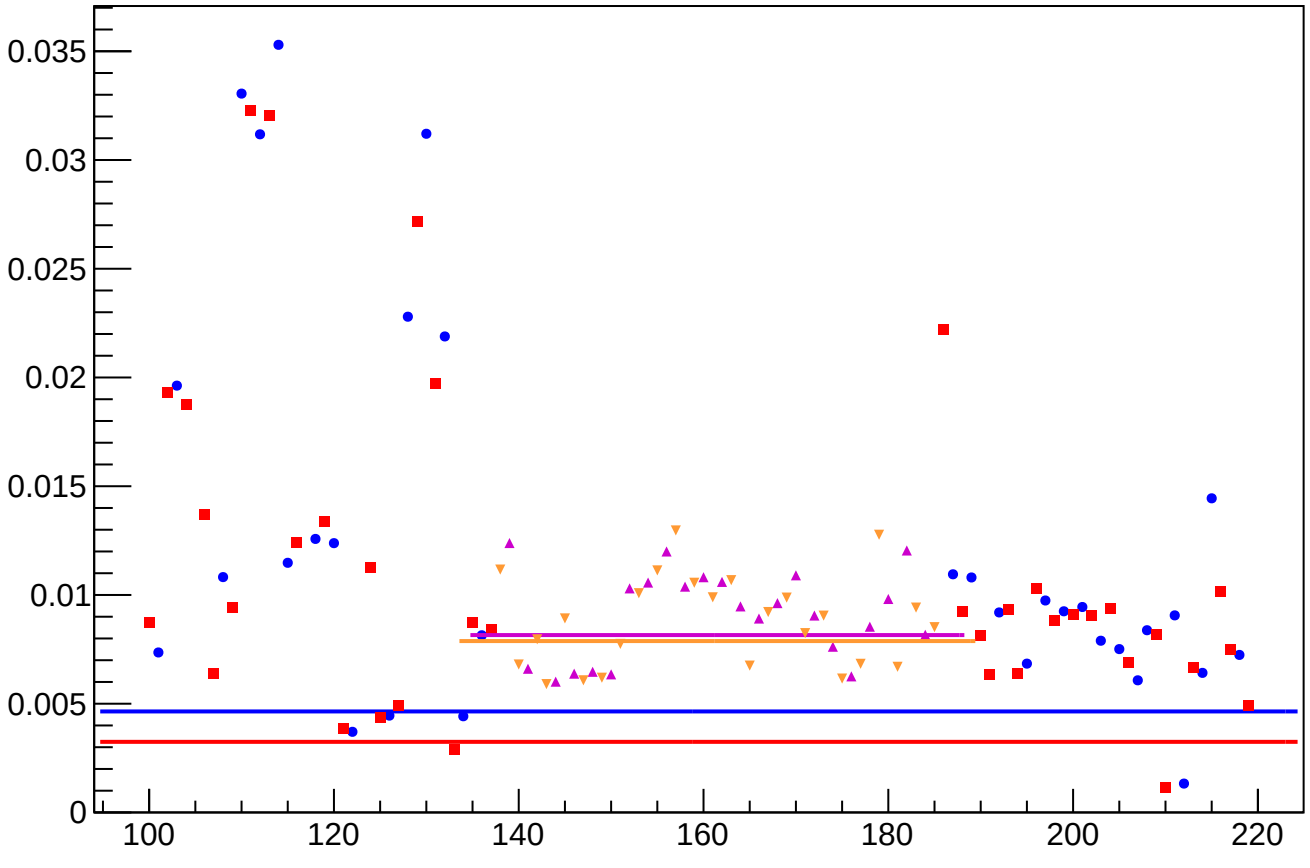
Right: 150.637+/-0.018 χ^2/NDF: 7391965.0/68

In: 133.802+/-0.016 χ^2/NDF:4732425.1/54

Out: 135.399+/-0.016 χ^2/NDF:5615957.4/61

All: 134.614+/-0.011 χ^2/NDF: 10353480.3/11


asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 54.1/31
Left Out: -0.000+/-0.000 χ²/NDF:52.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 77.6/36
Left In: -0.000+/-0.000 χ²/NDF:20.0/22
Left: -0.000+/-0.000 χ²/NDF: 72.5/47
Right: -0.000+/-0.000 χ²/NDF: 183.4/68
In: 0.000+/-0.000 χ²/NDF:80.9/54
Out: -0.000+/-0.000 χ²/NDF:140.1/61
All: -0.000+/-0.000 χ²/NDF: 257.4/116



Right In: 0.005+/-0.000 χ^2/NDF: 15874742.9/31

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 20964546.1/36

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

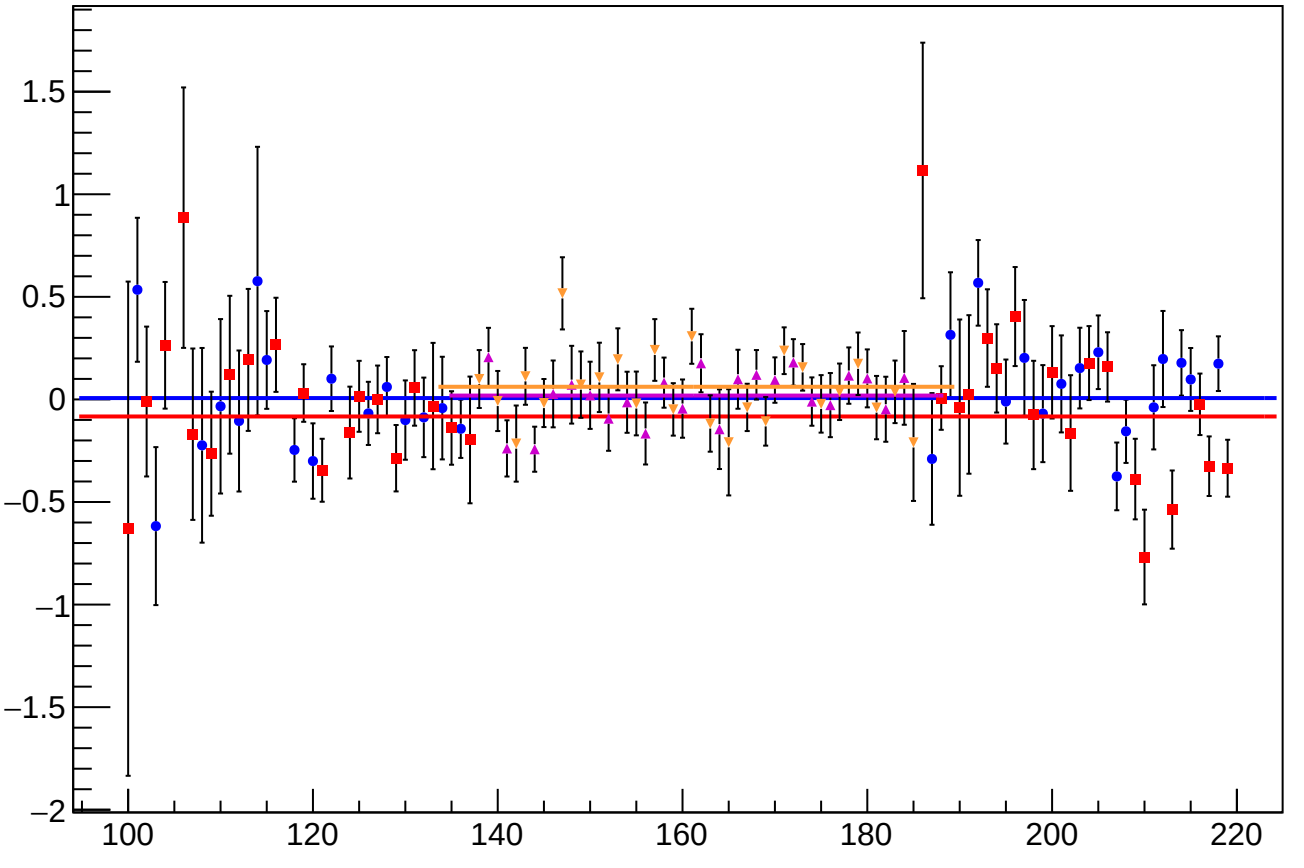
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.004+/-0.000 χ^2/NDF: 38123851.1/68

In: 0.006+/-0.000 χ^2/NDF:22081221.5/54

Out: 0.004+/-0.000 χ^2/NDF:32527990.6/61

All: 0.005+/-0.000 χ^2/NDF: 56557783.0/116



Right In: 0.007+/-0.035 χ^2/NDF: 36.6/31

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.083+/-0.035 χ^2/NDF: 54.4/36

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

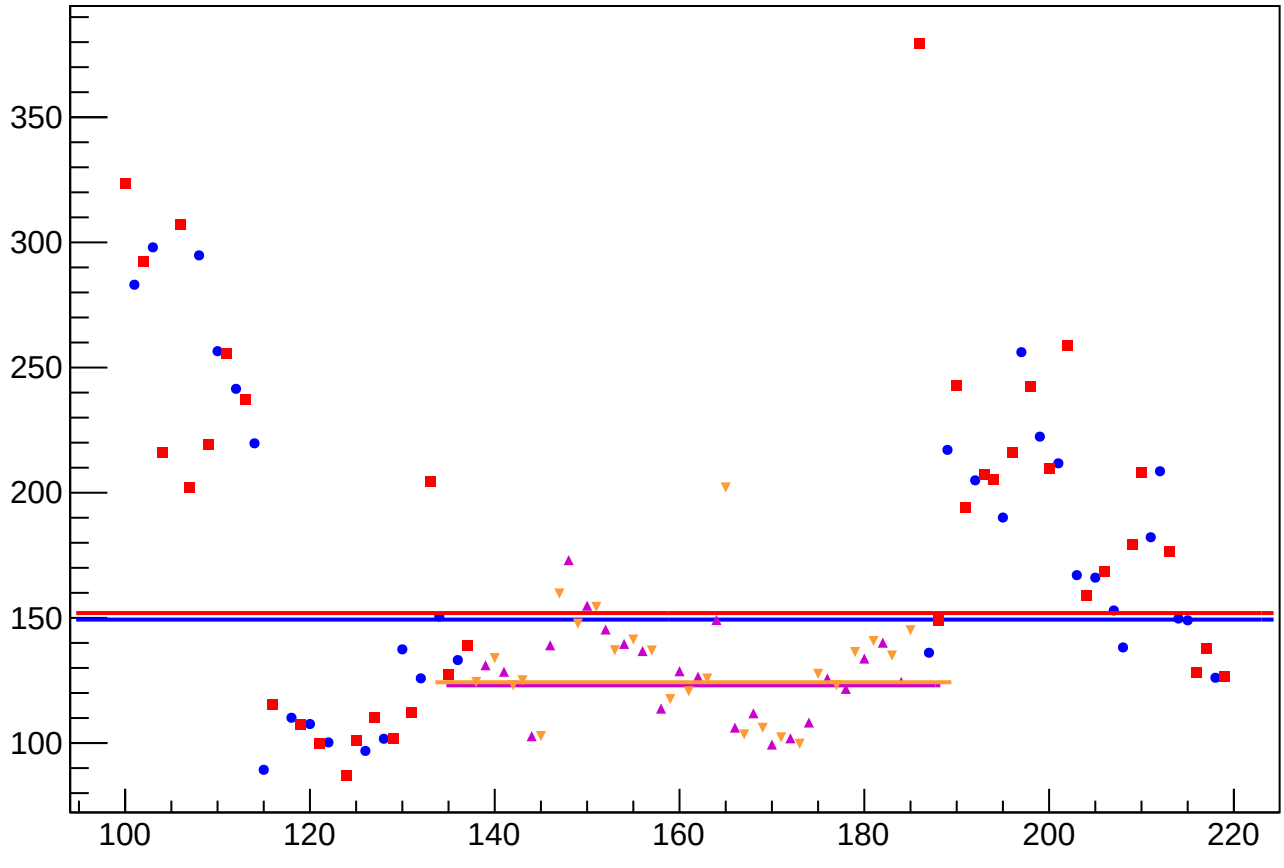
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.039+/-0.025 χ^2/NDF: 94.3/68

In: 0.014+/-0.023 χ^2/NDF:57.0/54

Out: 0.003+/-0.022 χ^2/NDF:92.1/61

All: 0.009+/-0.016 χ^2/NDF: 149.2/116



Right In: 149.320+/-0.025 χ^2/NDF: 3357970.7/31

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 151.931+/-0.025 χ^2/NDF: 4028669.3/36

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

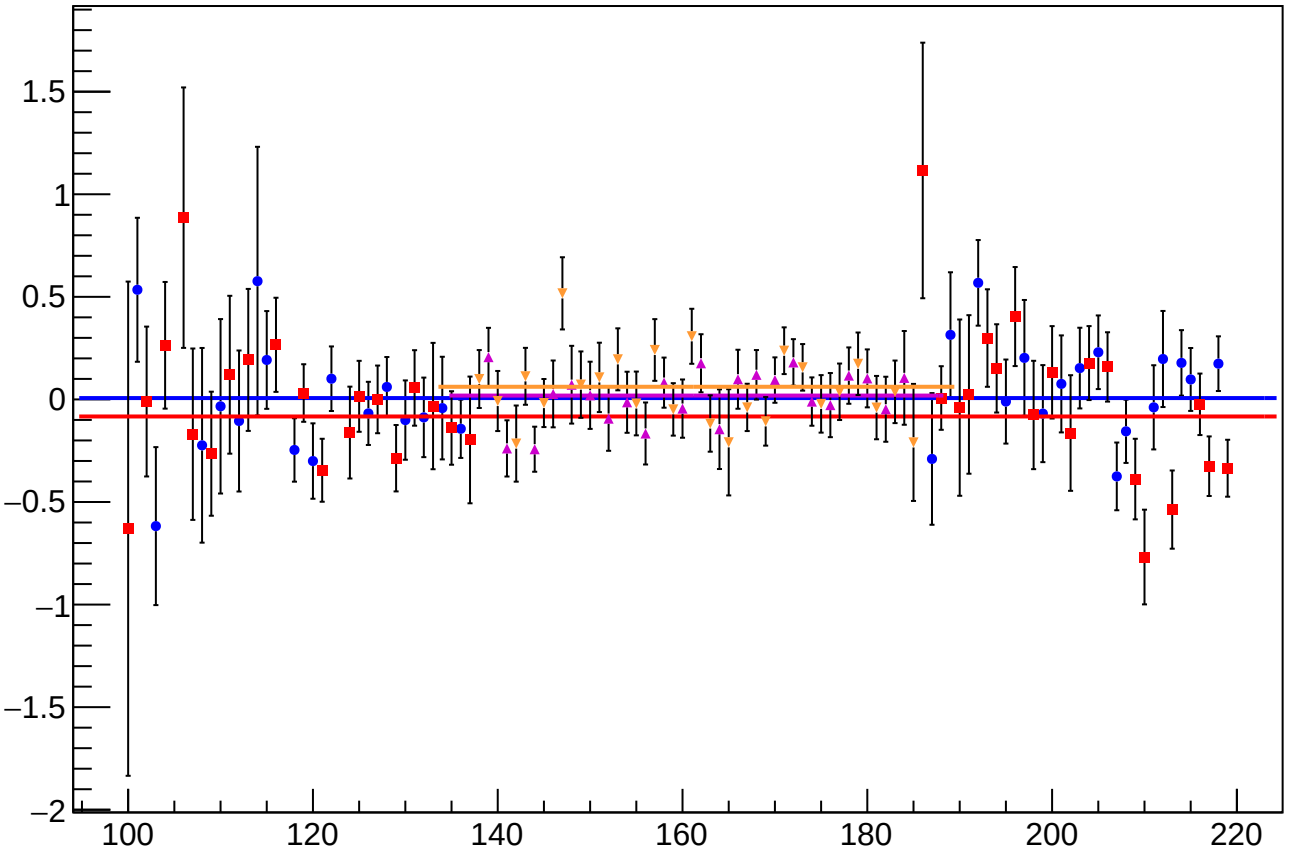
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 150.635+/-0.018 χ^2/NDF: 7392166.0/68

In: 133.801+/-0.016 χ^2/NDF:4732445.7/54

Out: 135.398+/-0.016 χ^2/NDF:5616041.0/61

All: 134.613+/-0.011 χ^2/NDF: 10353584.9/11



Right In: 0.007+/-0.035 χ^2/NDF: 36.6/31

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.083+/-0.035 χ^2/NDF: 54.4/36

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

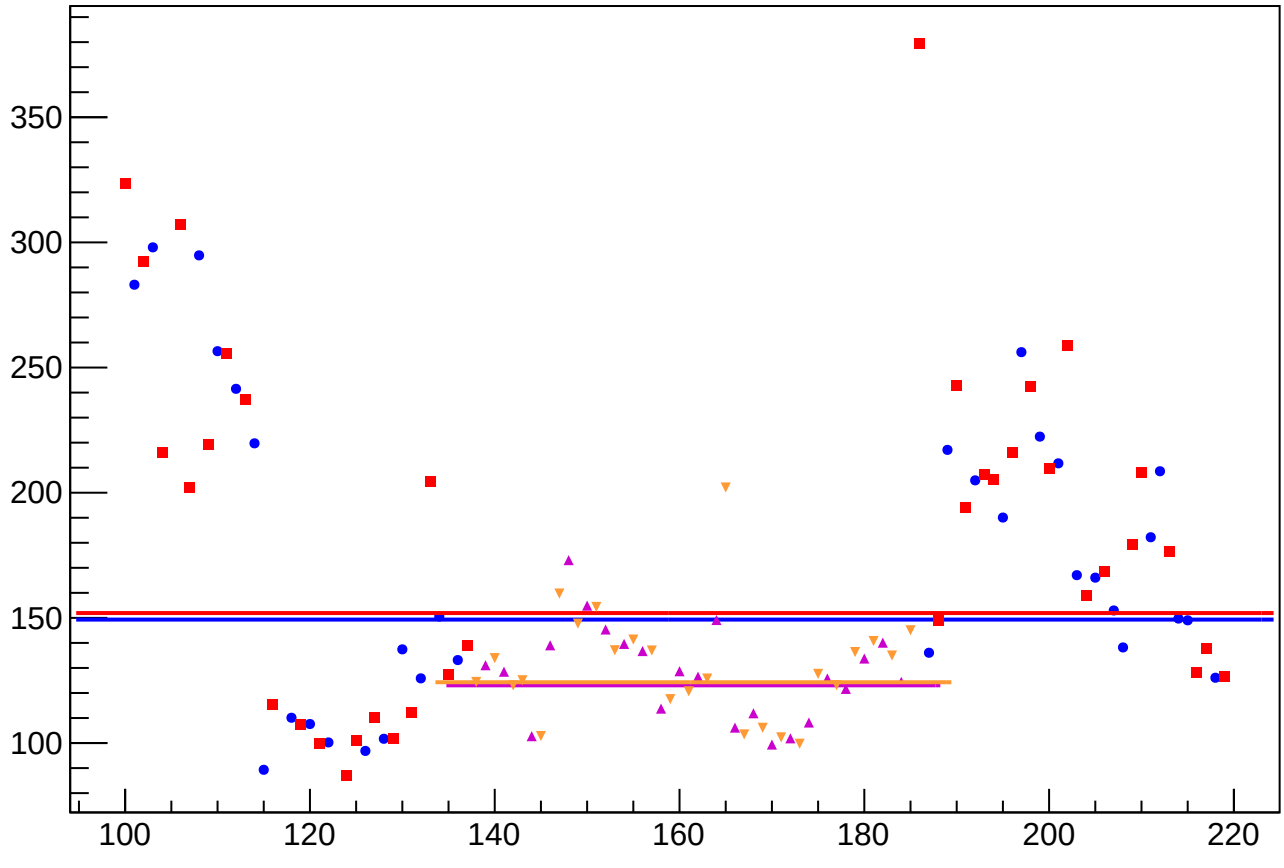
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.039+/-0.025 χ^2/NDF: 94.3/68

In: 0.014+/-0.023 χ^2/NDF:57.0/54

Out: 0.003+/-0.022 χ^2/NDF:92.1/61

All: 0.009+/-0.016 χ^2/NDF: 149.2/116



Right In: 149.320+/-0.025 χ^2/NDF: 3357970.7/31

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 151.931+/-0.025 χ^2/NDF: 4028669.3/36

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

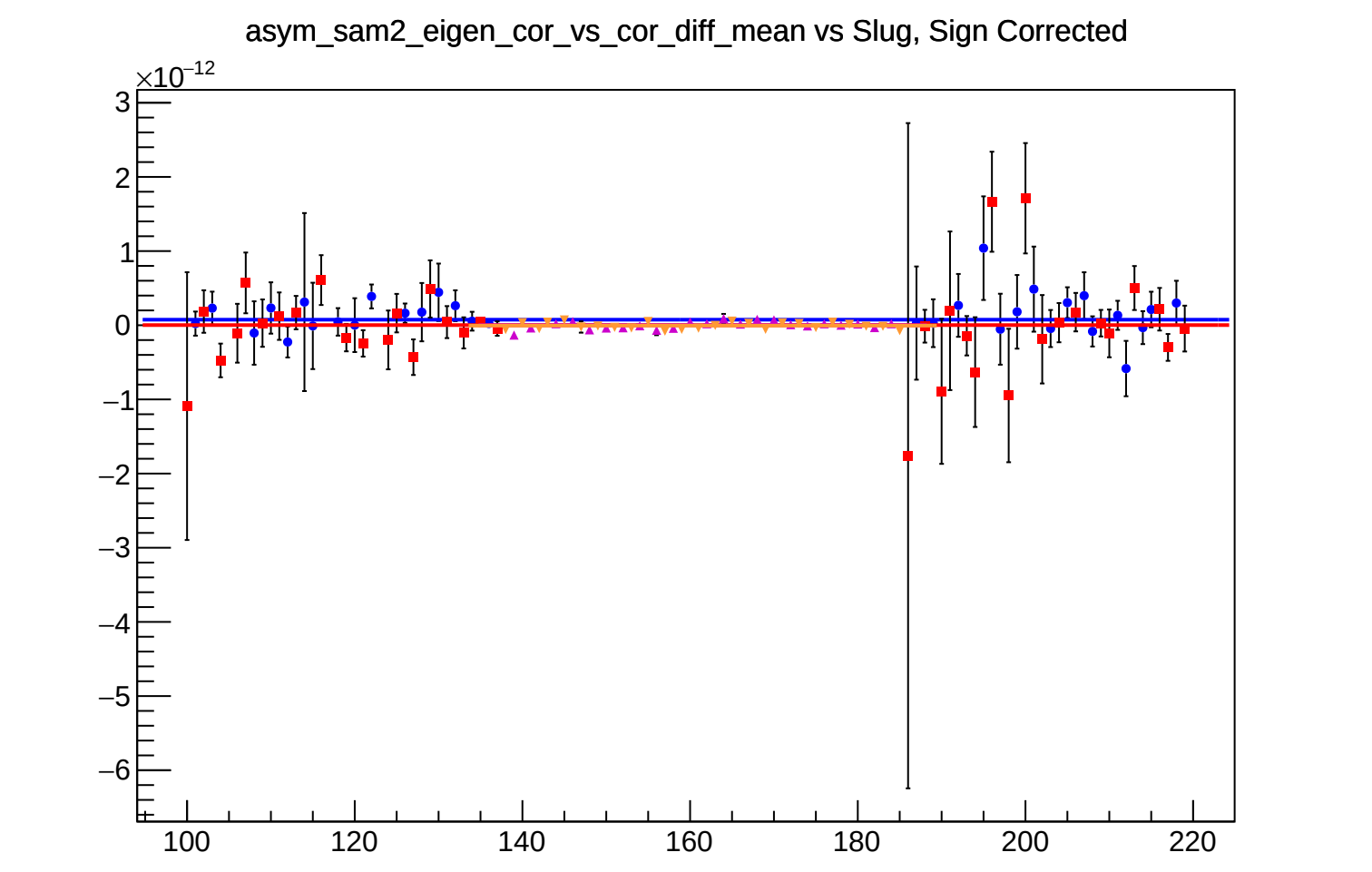
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 150.635+/-0.018 χ^2/NDF: 7392166.0/68

In: 133.801+/-0.016 χ^2/NDF:4732445.7/54

Out: 135.398+/-0.016 χ^2/NDF:5616041.0/61

All: 134.613+/-0.011 χ^2/NDF: 10353584.9/11



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 42.1/36

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: -0.000+/-0.000 χ^2/NDF: 49.3/47

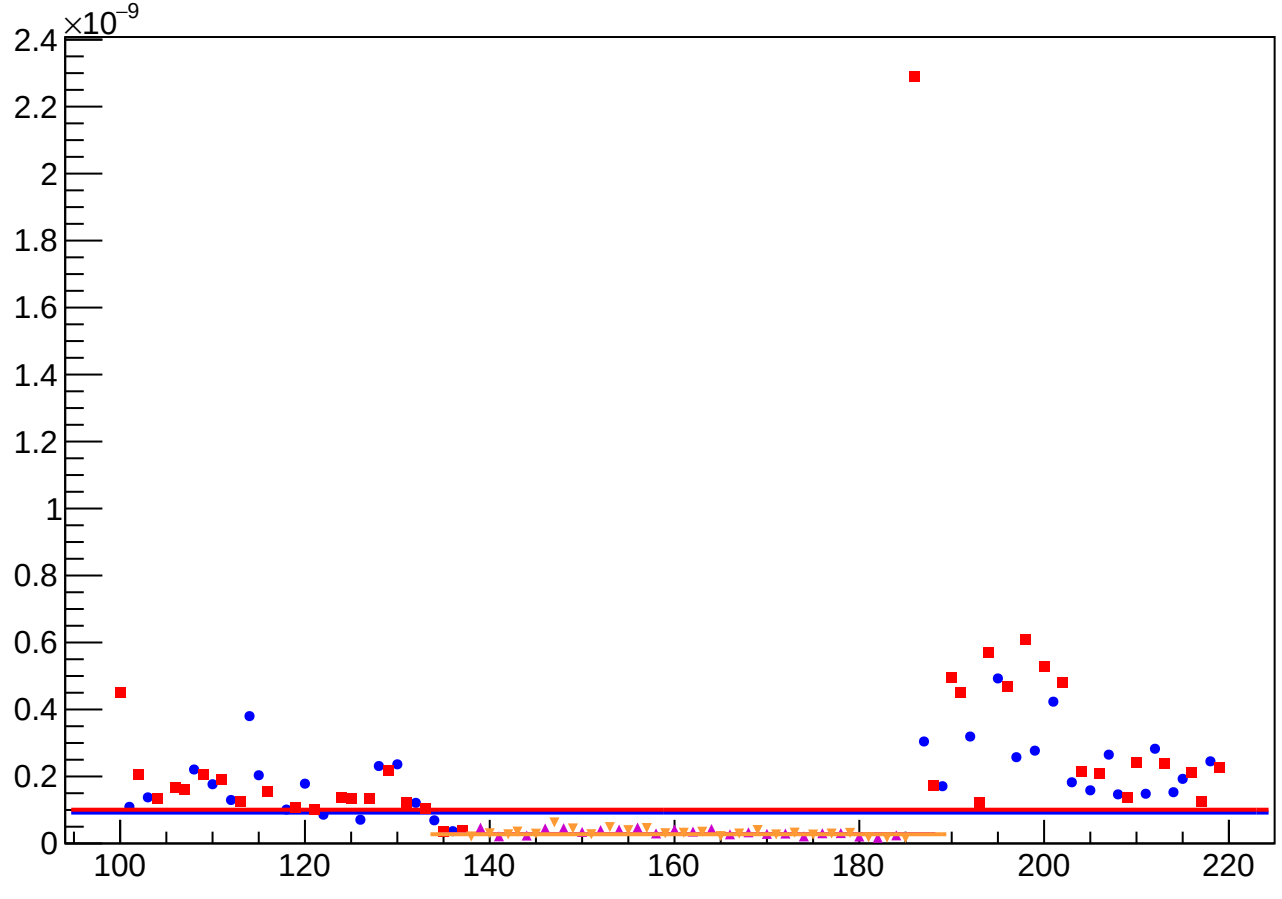
Right: 0.000+/-0.000 χ^2/NDF: 65.1/68

In: 0.000+/-0.000 χ^2/NDF:50.3/54

Out: -0.000+/-0.000 χ^2/NDF:66.6/61

All: -0.000+/-0.000 χ^2/NDF: 117.6/116

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9762996.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11641702.8/36

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

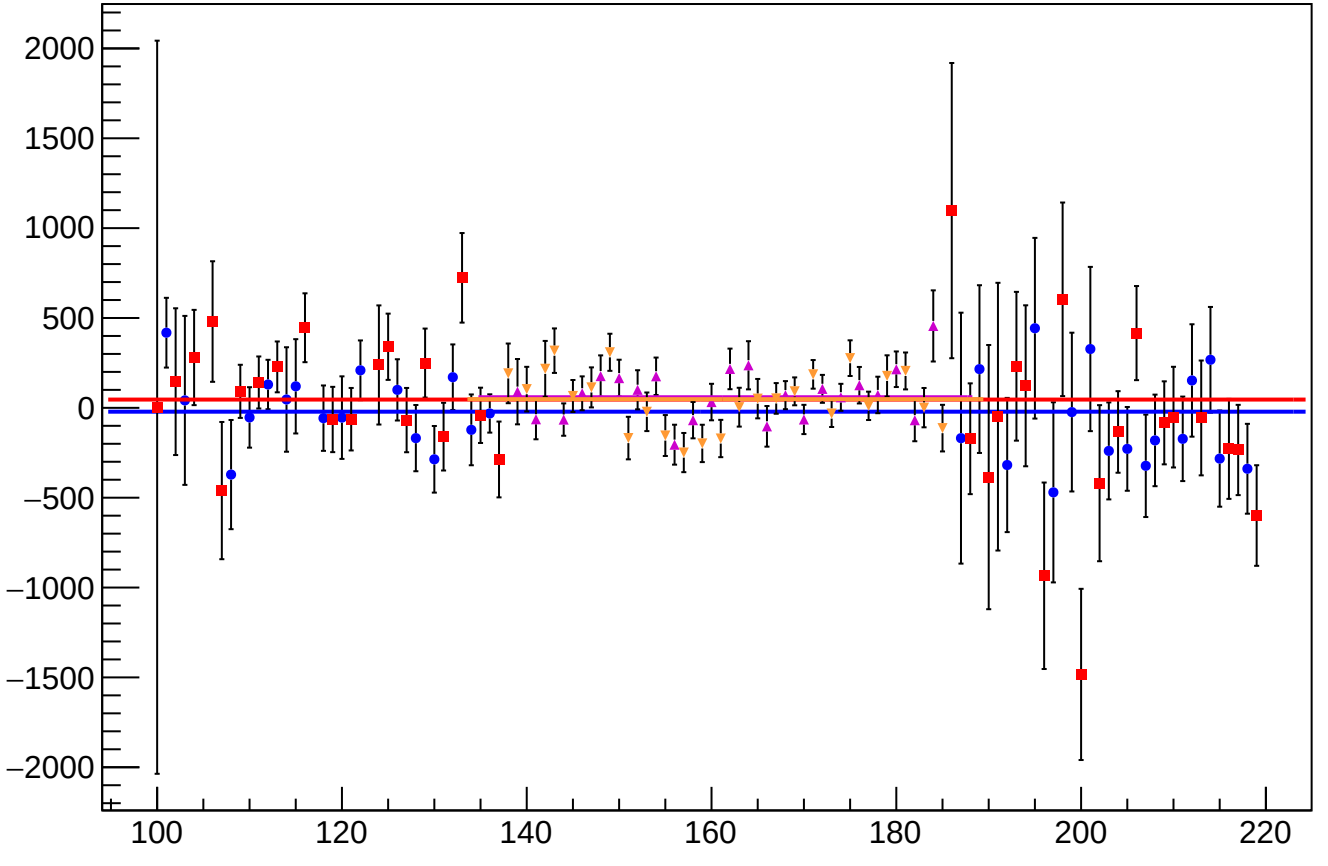
Right: 0.000+/-0.000 χ^2/NDF: 21471163.1/68

In: 0.000+/-0.000 χ^2/NDF:19241838.4/54

Out: 0.000+/-0.000 χ^2/NDF:22468578.2/61

All: 0.000+/-0.000 χ^2/NDF: 41728753.0/116

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: -21.380+/-39.526 χ^2/NDF: 25.0/31

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 46.056+/-39.641 χ^2/NDF: 56.9/36

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

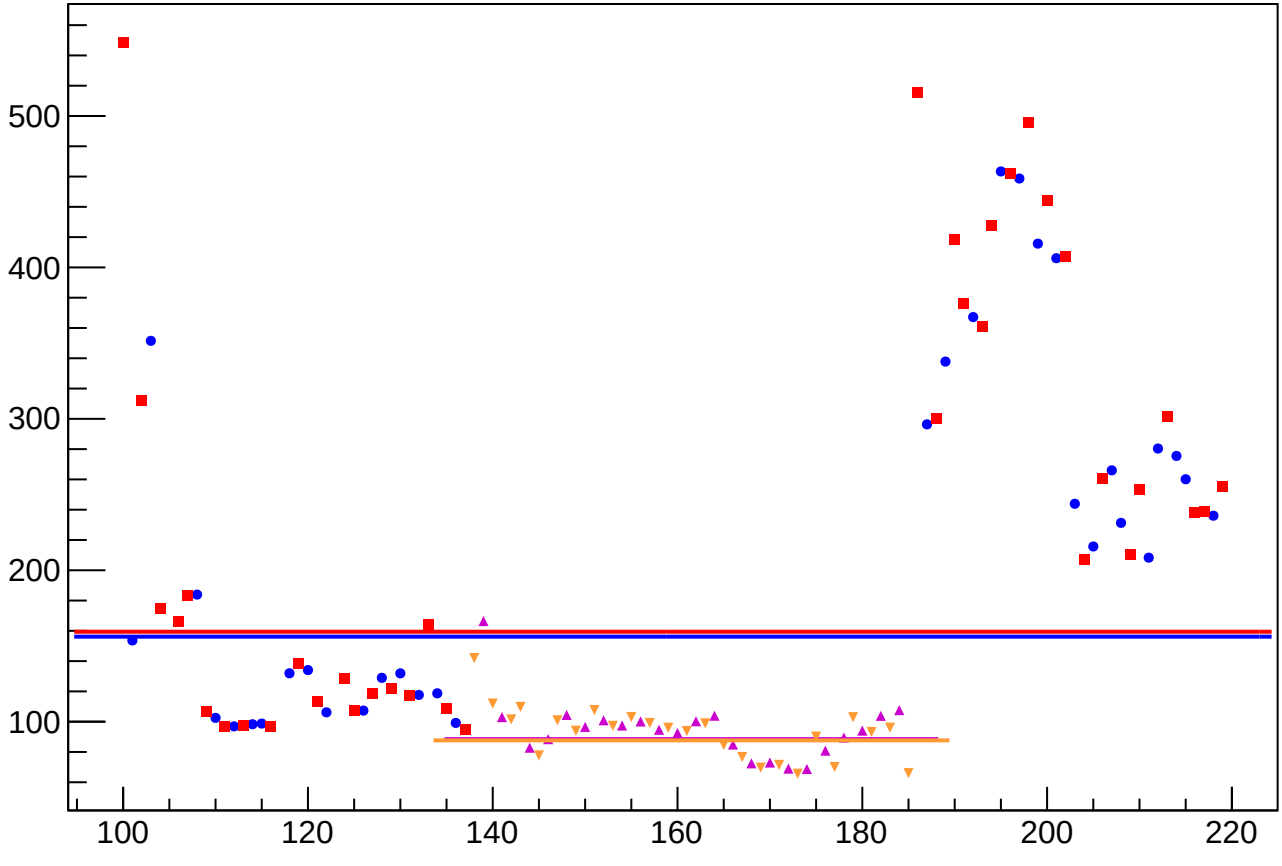
Right: 12.240+/-27.989 χ^2/NDF: 83.4/68

In: 41.111+/-18.652 χ^2/NDF:58.8/54

Out: 47.902+/-18.155 χ^2/NDF:110.5/61

All: 44.598+/-13.010 χ^2/NDF: 169.4/116

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 156.156+/-0.028 χ^2/NDF: 8170540.0/31

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 159.413+/-0.028 χ^2/NDF: 9546321.5/36

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

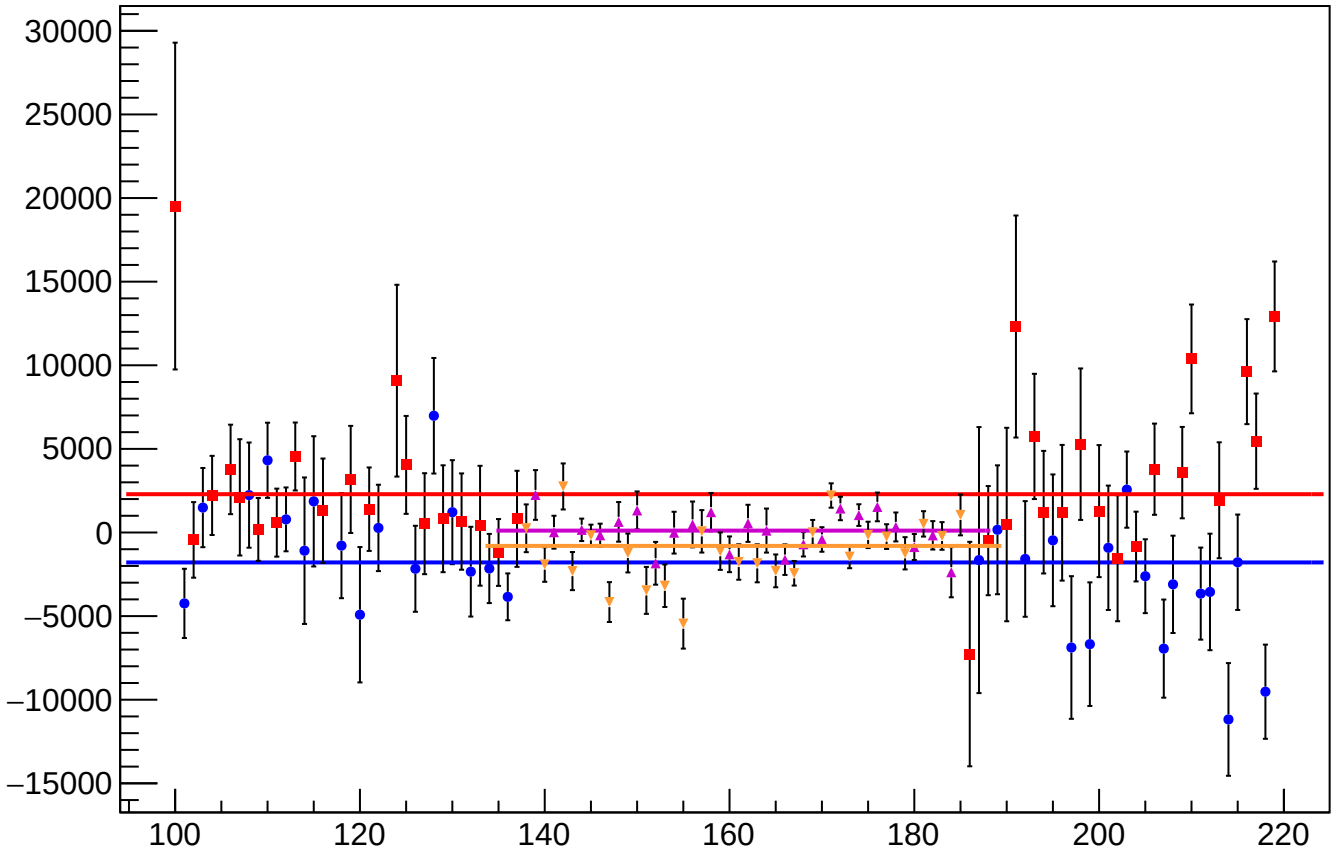
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 157.780+/-0.020 χ^2/NDF: 17723634.0/68

In: 103.553+/-0.013 χ^2/NDF:13803396.6/54

Out: 102.707+/-0.013 χ^2/NDF:15938562.4/61

All: 103.119+/-0.009 χ^2/NDF: 29744067.4/1



Right In: -1790.407+/-485.055 χ^2/NDF: 52.7/31

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 2290.275+/-487.243 χ^2/NDF: 48.4/36

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

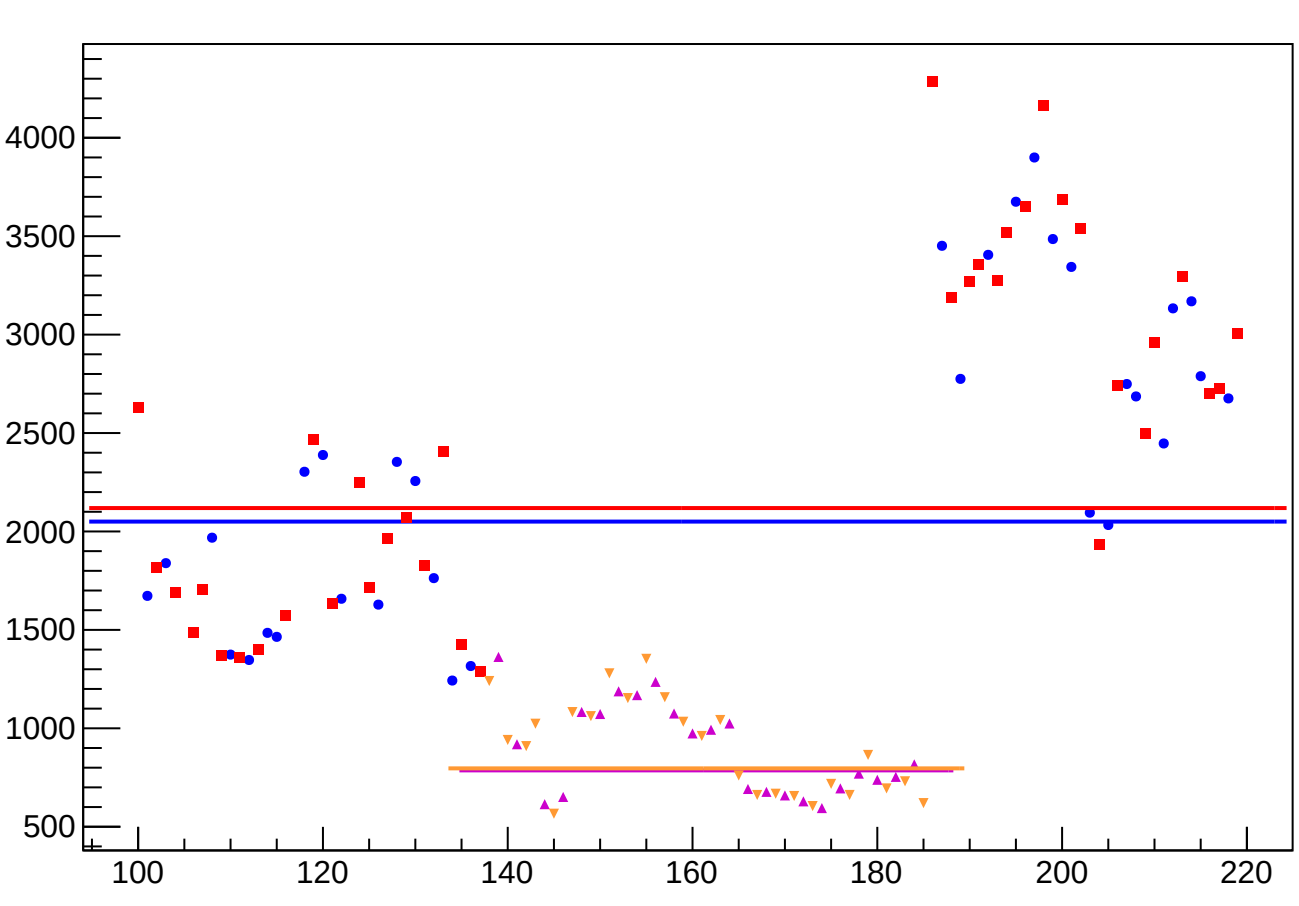
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 240.752+/-343.757 χ^2/NDF: 136.4/68

In: -141.270+/-177.129 χ^2/NDF:93.1/54

Out: -401.769+/-175.198 χ^2/NDF:155.4/61

All: -272.948+/-124.561 χ^2/NDF: 249.6/116



Right In: 2050.161+/-0.343 χ^2/NDF: 4239217.9/31

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 2118.906+/-0.345 χ^2/NDF: 4918095.6/36

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

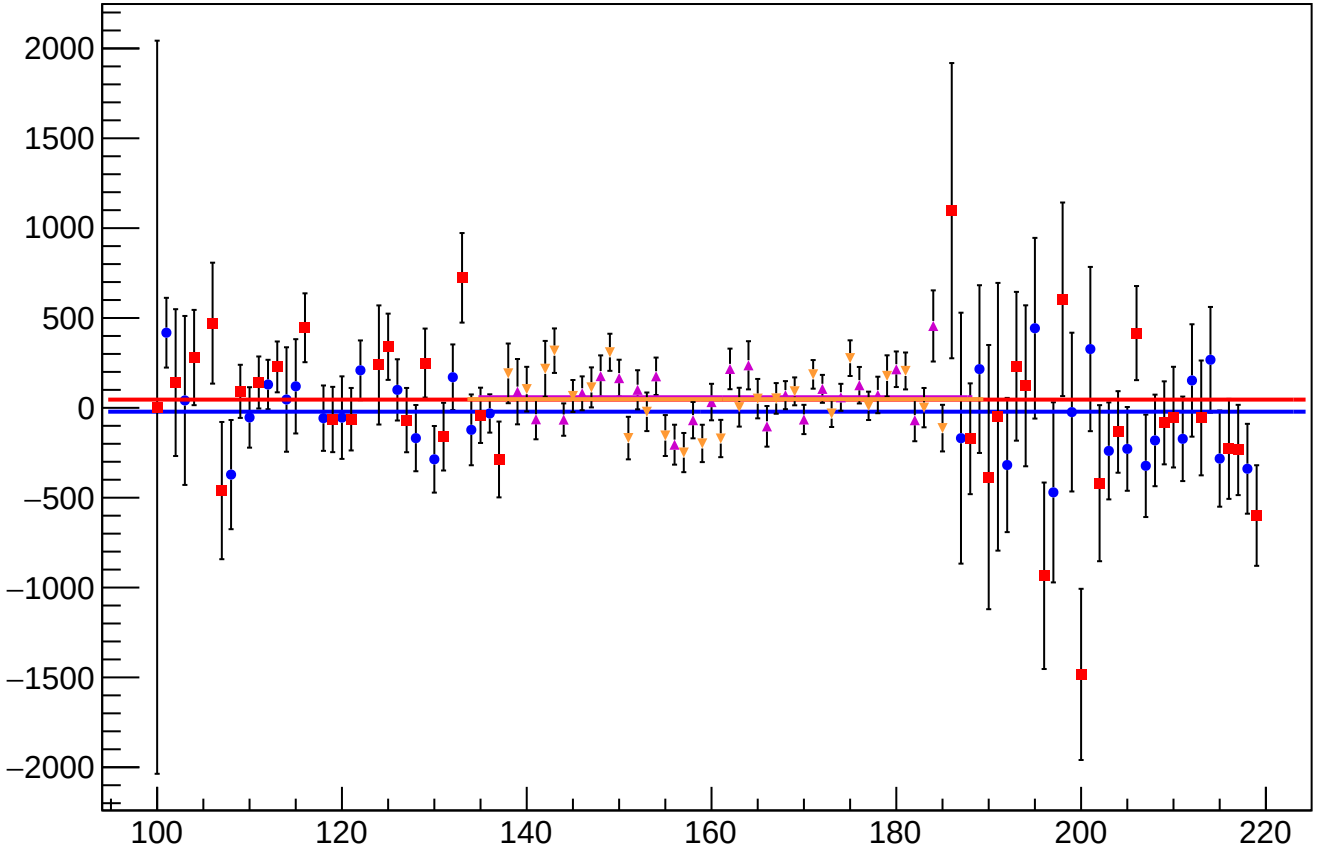
Right: 2084.379+/-0.243 χ^2/NDF: 9177309.7/68

In: 954.869+/-0.125 χ^2/NDF:18162769.9/54

Out: 967.495+/-0.124 χ^2/NDF:20163007.8/61

All: 961.251+/-0.088 χ^2/NDF: 38330914.4/11

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: -21.393+/-39.526 χ^2/NDF: 25.0/31

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 45.841+/-39.643 χ^2/NDF: 56.8/36

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

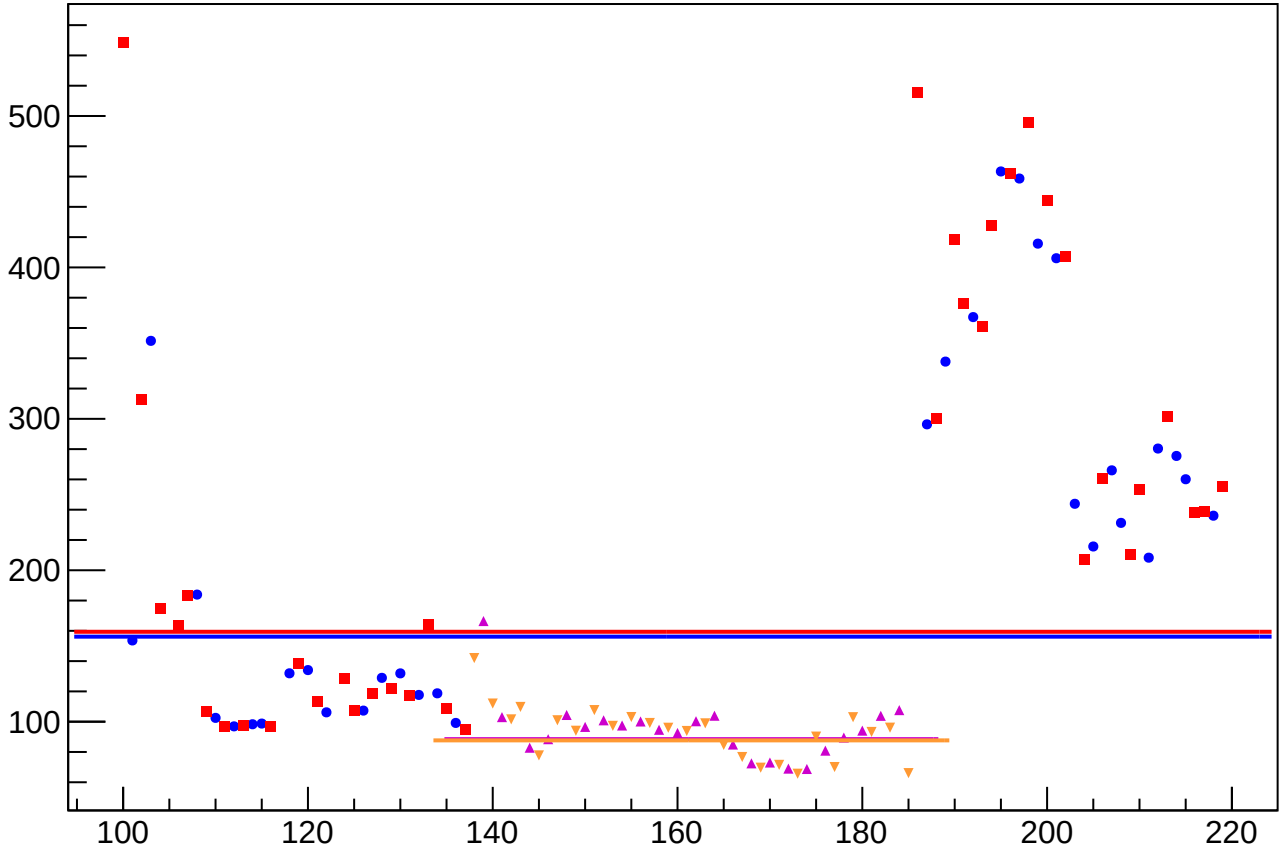
Right: 12.125+/-27.990 χ^2/NDF: 83.3/68

In: 41.110+/-18.652 χ^2/NDF:58.8/54

Out: 47.863+/-18.155 χ^2/NDF:110.4/61

All: 44.577+/-13.010 χ^2/NDF: 169.3/116

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 156.156+/-0.028 χ^2/NDF: 8170542.5/31

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 159.379+/-0.028 χ^2/NDF: 9545994.2/36

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

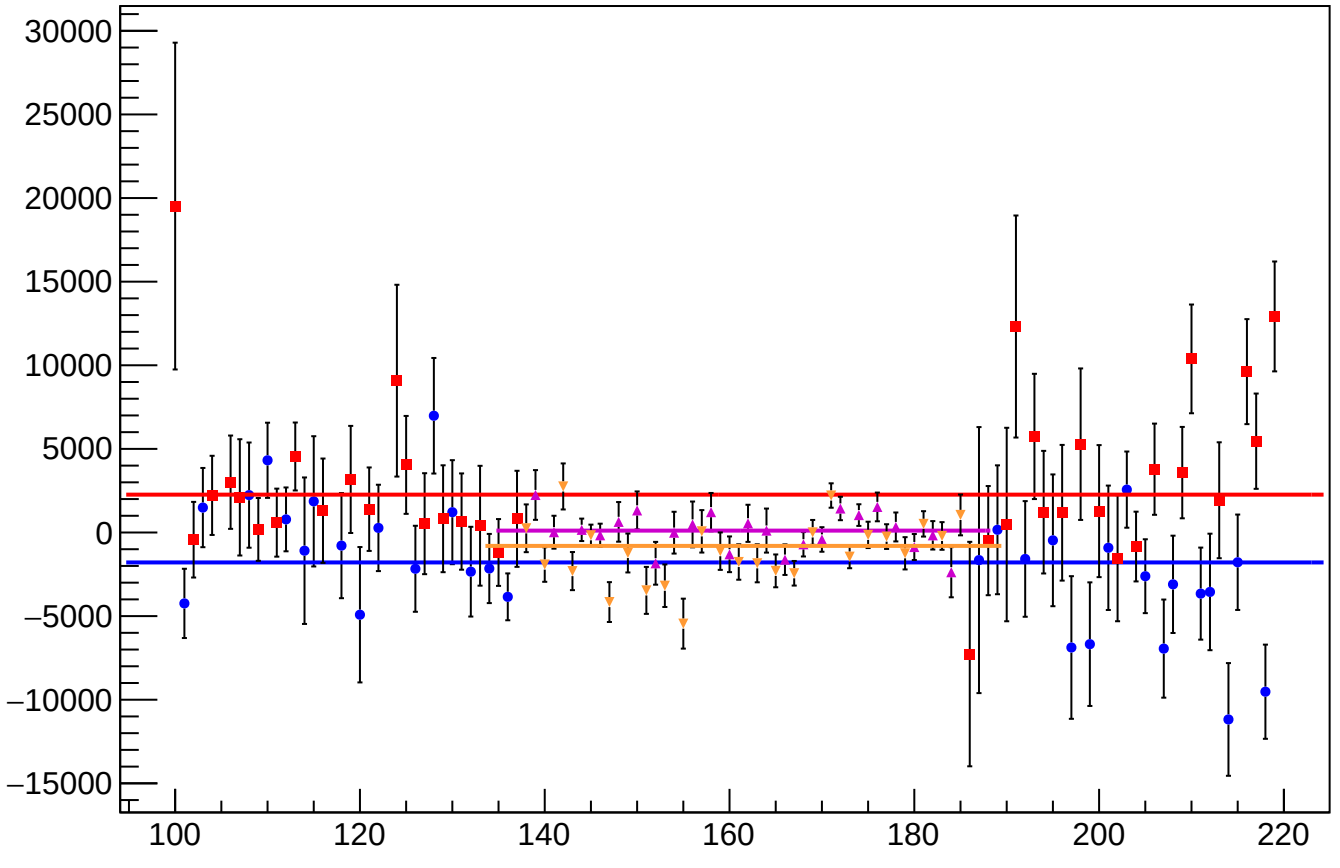
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 157.762+/-0.020 χ^2/NDF: 17723165.4/68

In: 103.553+/-0.013 χ^2/NDF:13803398.4/54

Out: 102.699+/-0.013 χ^2/NDF:15932826.6/61

All: 103.114+/-0.009 χ^2/NDF: 29738375.7/1



Right In: -1790.405+/-485.057 χ^2/NDF: 52.7/31

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 2263.820+/-487.918 χ^2/NDF: 48.1/36

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

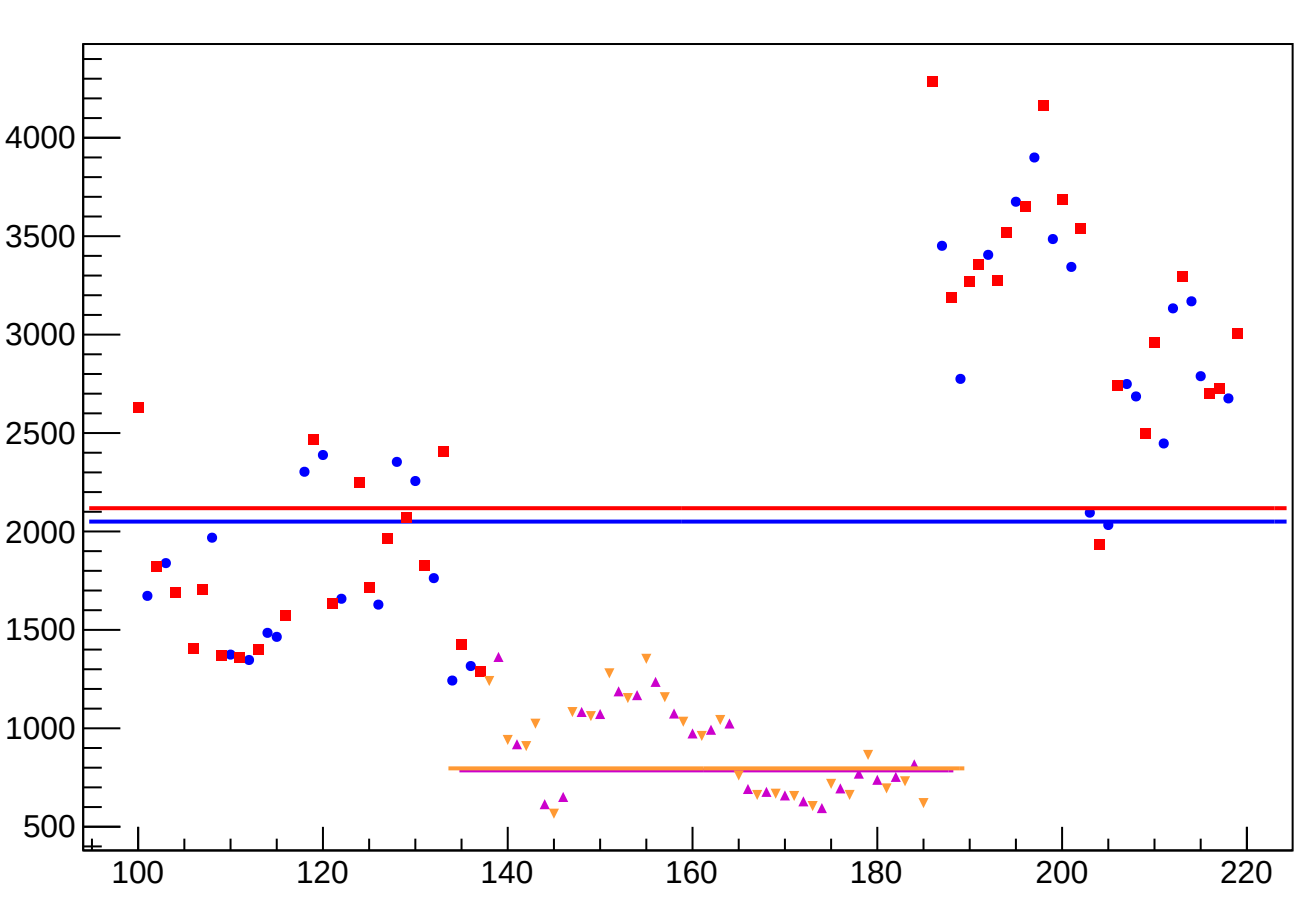
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 224.789+/-343.994 χ^2/NDF: 135.6/68

In: -141.267+/-177.129 χ^2/NDF:93.1/54

Out: -406.137+/-175.229 χ^2/NDF:154.4/61

All: -275.130+/-124.572 χ^2/NDF: 248.7/116



Right In: 2050.171+/-0.343 χ^2/NDF: 4239190.3/31

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2118.221+/-0.345 χ^2/NDF: 4936650.7/36

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

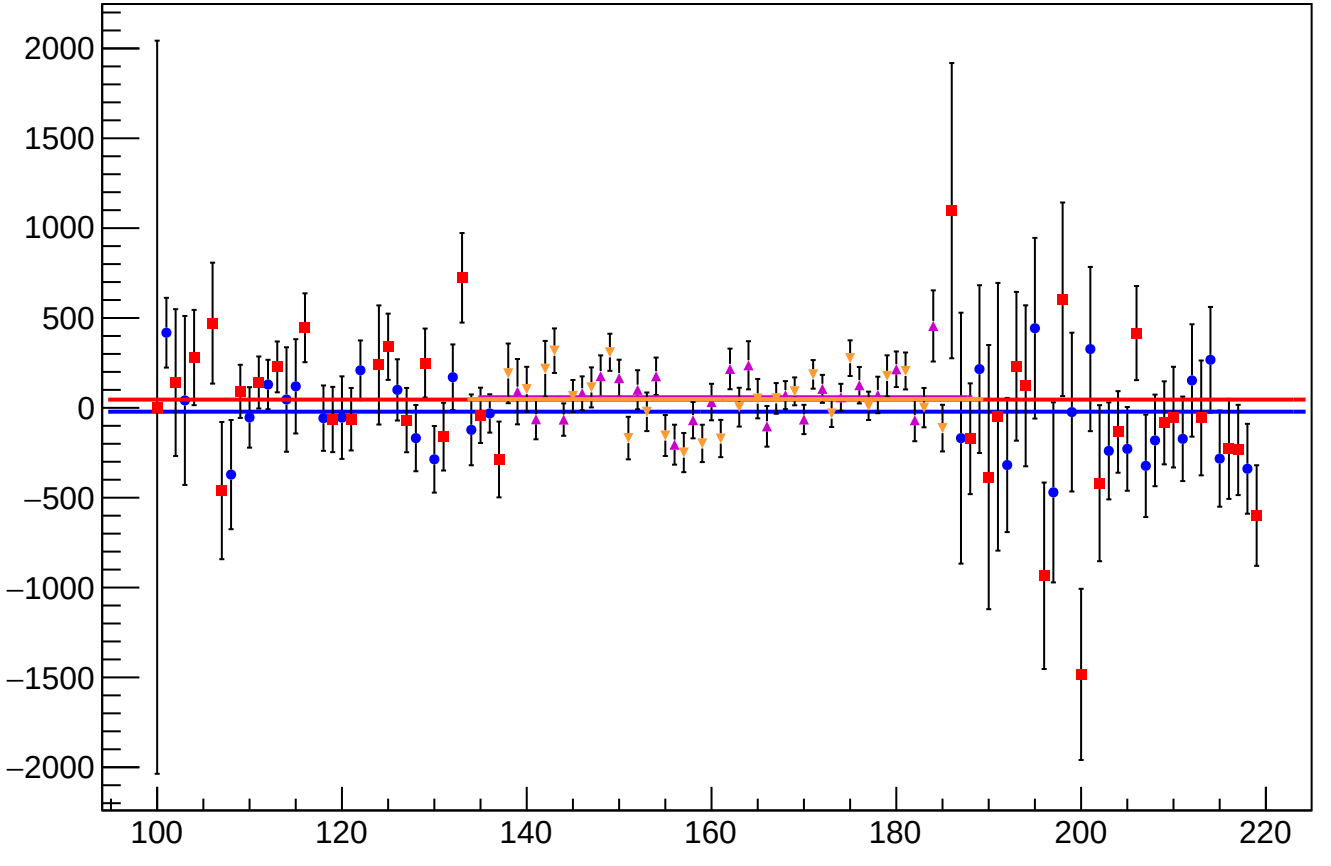
Right: 2083.996+/-0.243 χ^2/NDF: 9195407.6/68

In: 954.869+/-0.125 χ^2/NDF:18162826.6/54

Out: 966.995+/-0.124 χ^2/NDF:20137424.2/61

All: 960.997+/-0.088 χ^2/NDF: 38304987.7/1

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: -21.393+/-39.526 χ^2/NDF: 25.0/31

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 45.841+/-39.643 χ^2/NDF: 56.8/36

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

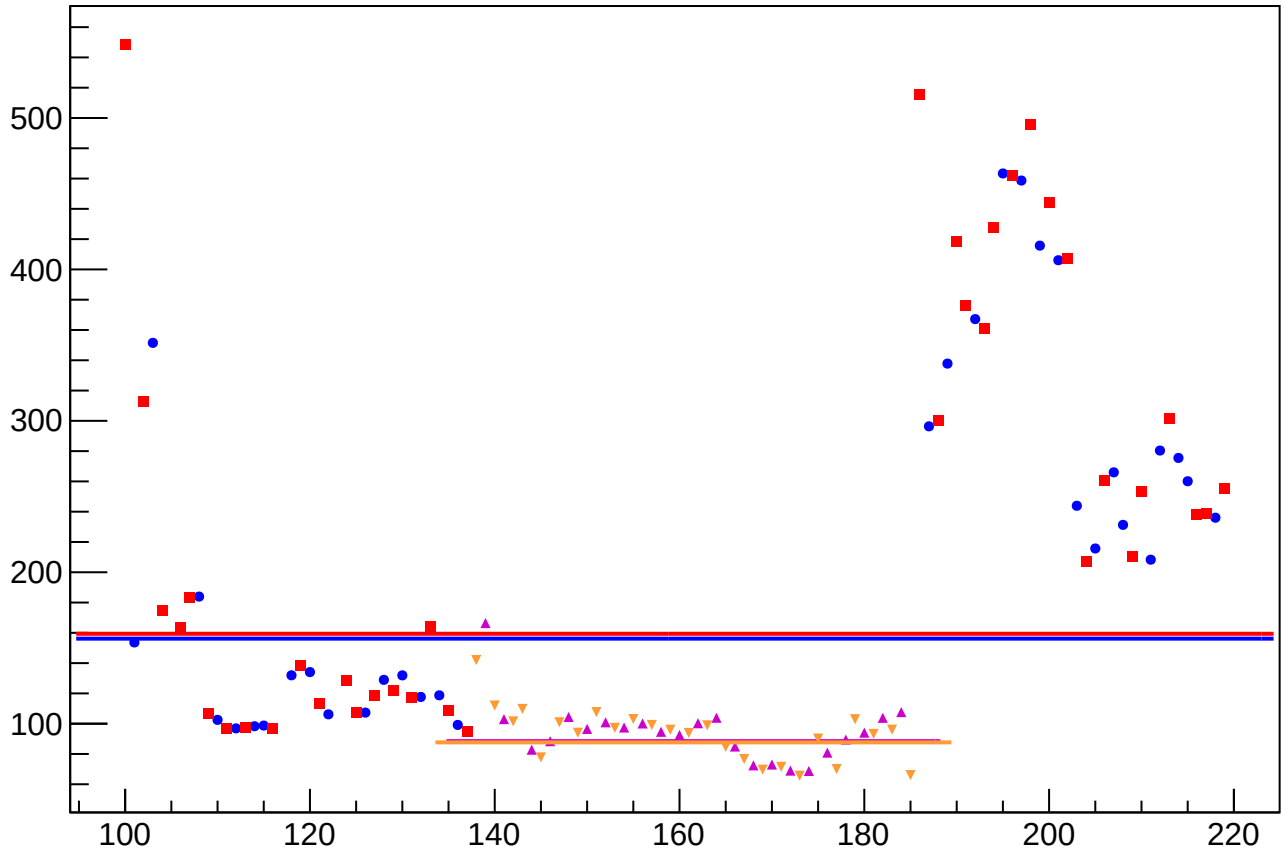
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 12.125+/-27.990 χ^2/NDF: 83.3/68

In: 41.110+/-18.652 χ^2/NDF:58.8/54

Out: 47.863+/-18.155 χ^2/NDF:110.4/61

All: 44.577+/-13.010 χ^2/NDF: 169.3/116



Right In: 156.156+/-0.028 χ^2/NDF: 8170542.5/31

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 159.379+/-0.028 χ^2/NDF: 9545994.2/36

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

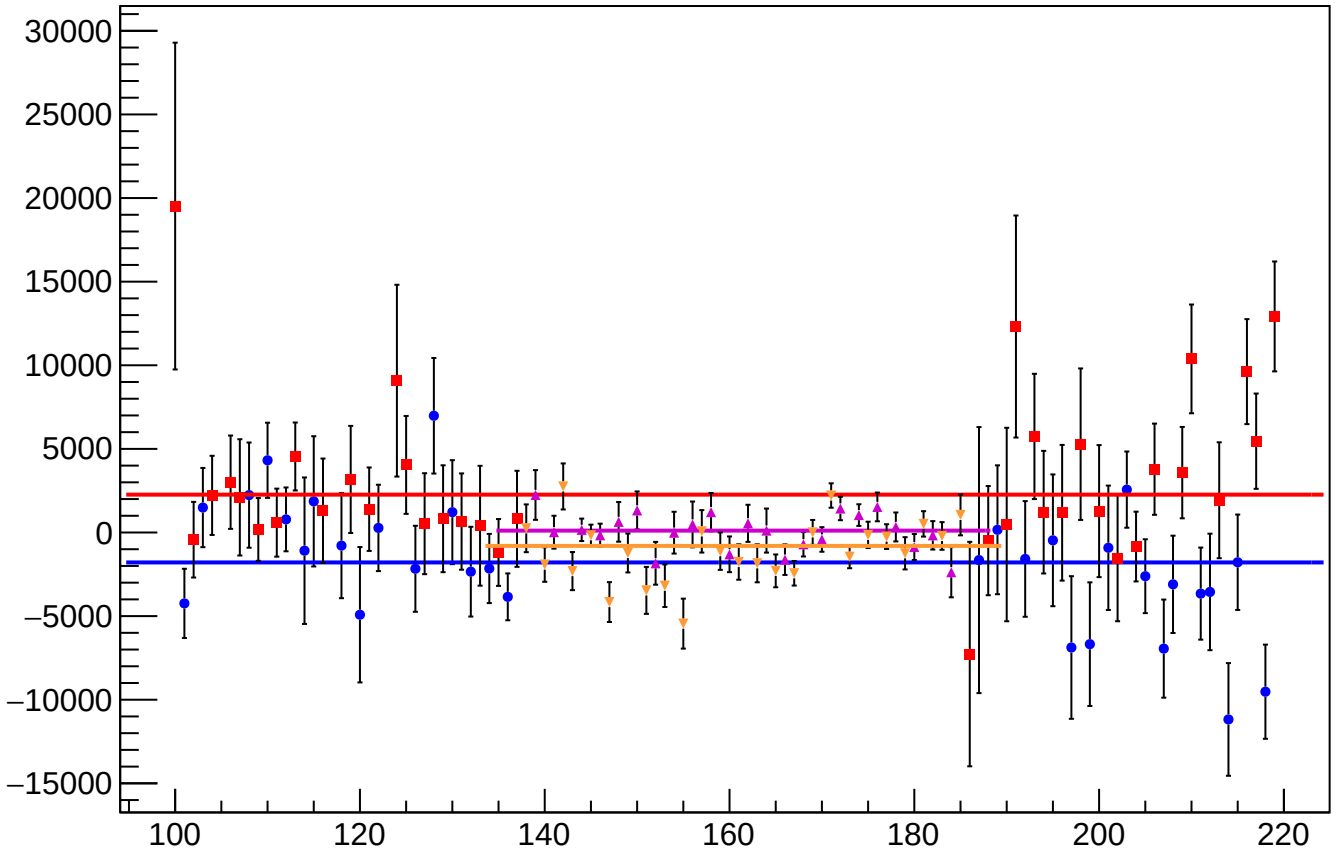
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 157.762+/-0.020 χ^2/NDF: 17723165.4/68

In: 103.553+/-0.013 χ^2/NDF:13803398.4/54

Out: 102.699+/-0.013 χ^2/NDF:15932826.6/61

All: 103.114+/-0.009 χ^2/NDF: 29738375.7/1



Right In: -1790.405+/-485.057 χ^2/NDF: 52.7/31

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 2263.820+/-487.918 χ^2/NDF: 48.1/36

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

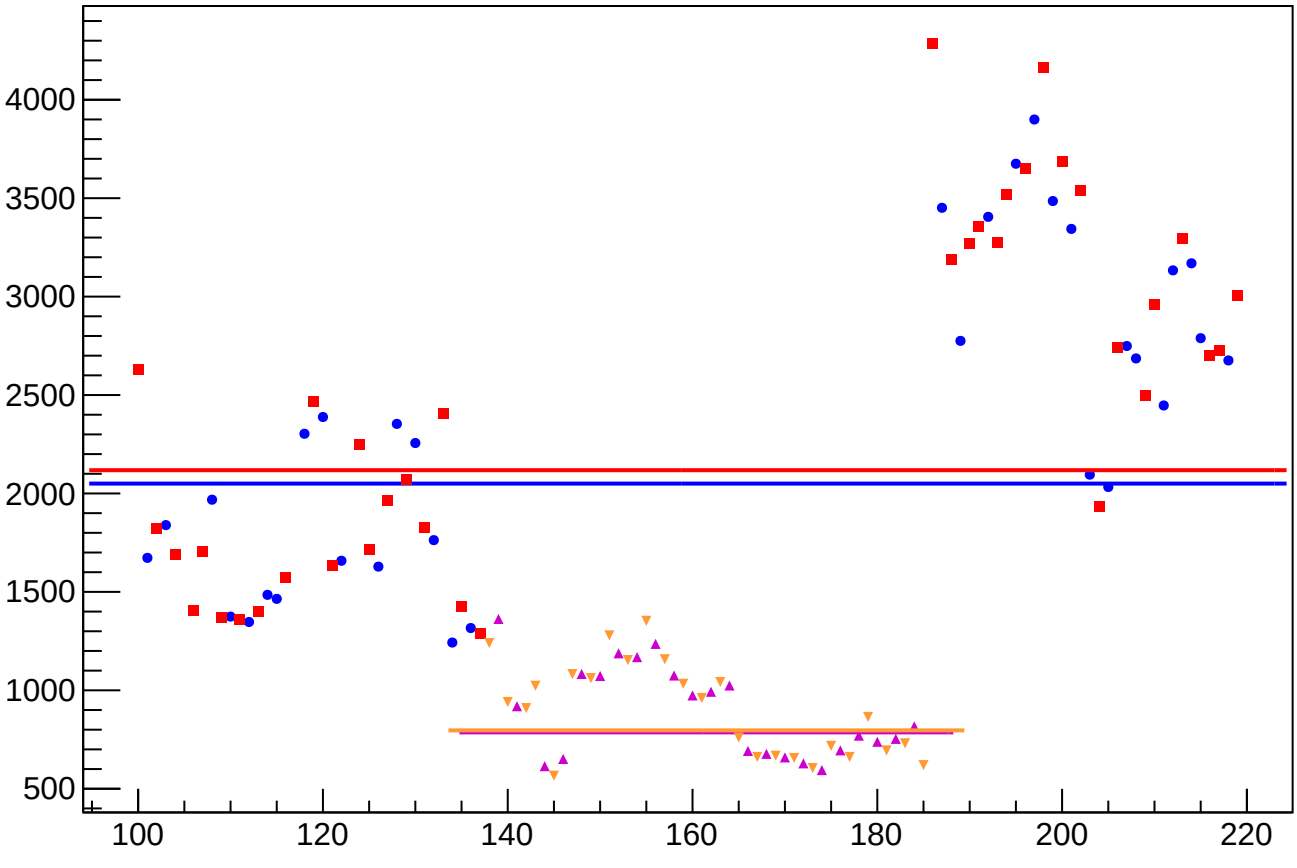
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 224.789+/-343.994 χ^2/NDF: 135.6/68

In: -141.267+/-177.129 χ^2/NDF:93.1/54

Out: -406.137+/-175.229 χ^2/NDF:154.4/61

All: -275.130+/-124.572 χ^2/NDF: 248.7/116



Right In: 2050.171+/-0.343 χ^2/NDF: 4239190.3/31

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2118.221+/-0.345 χ^2/NDF: 4936650.7/36

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

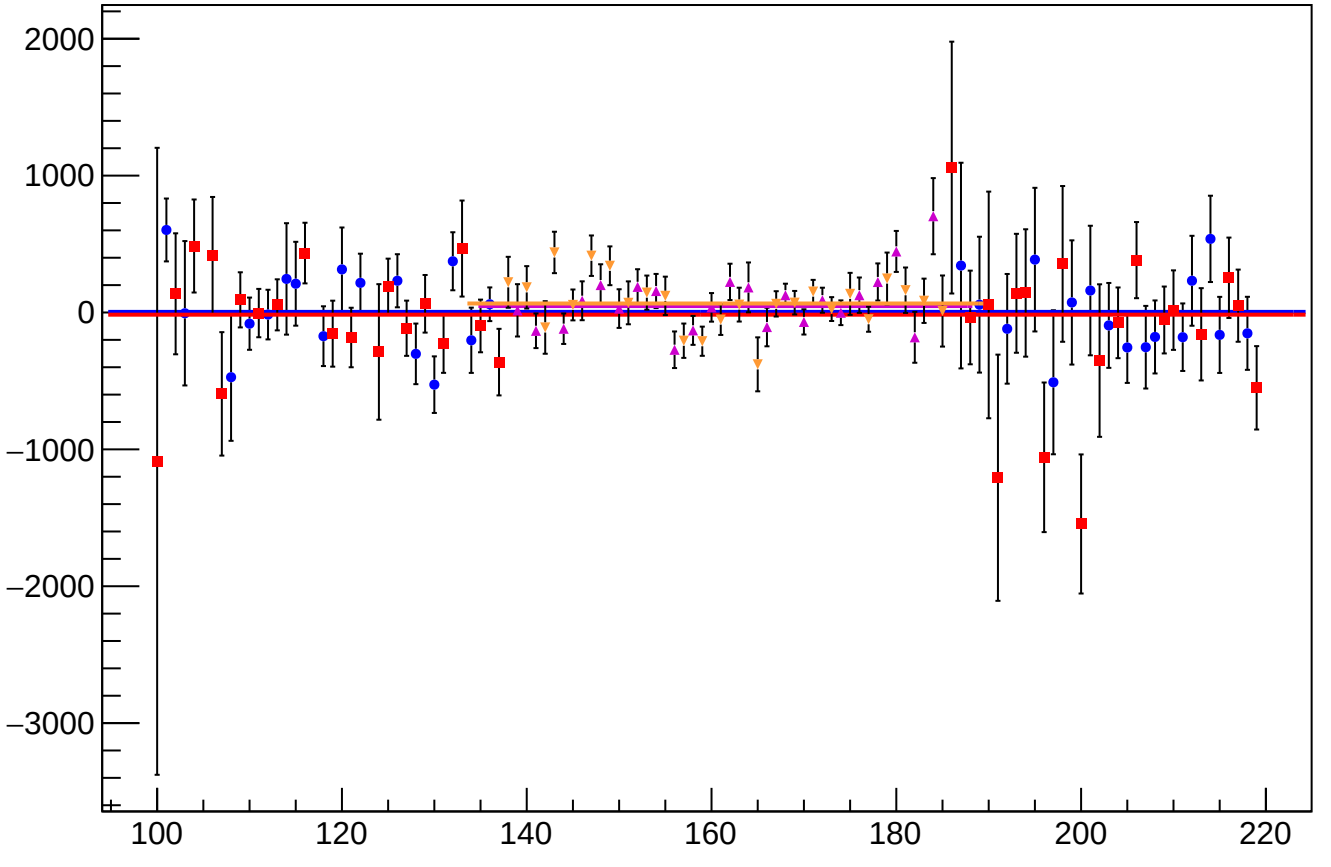
Right: 2083.996+/-0.243 χ^2/NDF: 9195407.6/68

In: 954.869+/-0.125 χ^2/NDF:18162826.6/54

Out: 966.995+/-0.124 χ^2/NDF:20137424.2/61

All: 960.997+/-0.088 χ^2/NDF: 38304987.7/1

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 4.386+/-45.960 χ^2/NDF: 34.3/31

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -15.945+/-46.840 χ^2/NDF: 40.6/36

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

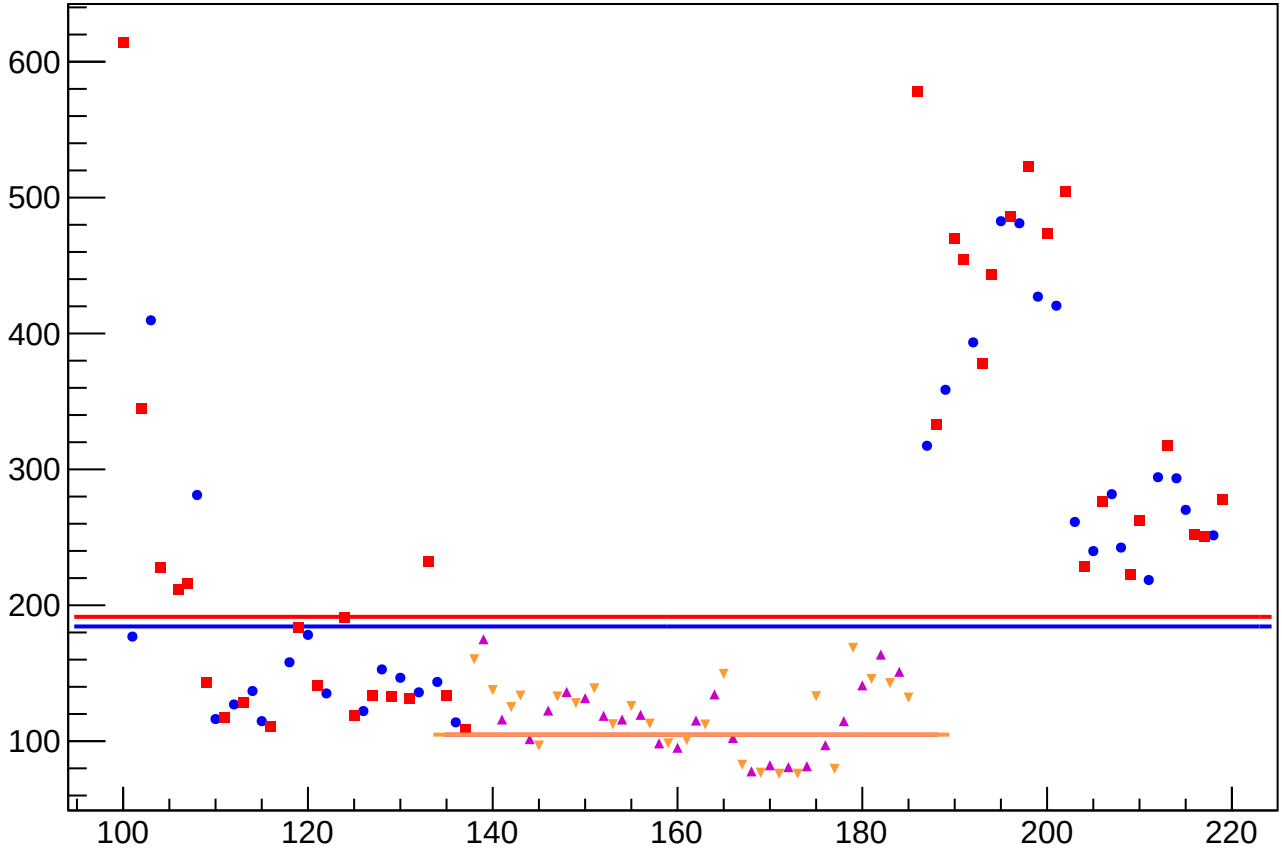
Right: -5.587+/-32.805 χ^2/NDF: 75.0/68

In: 36.881+/-22.429 χ^2/NDF:73.6/54

Out: 47.533+/-22.096 χ^2/NDF:83.0/61

All: 42.287+/-15.740 χ^2/NDF: 156.7/116

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 184.407+/-0.032 χ^2/NDF: 6851764.9/31

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 191.501+/-0.033 χ^2/NDF: 8141502.5/36

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

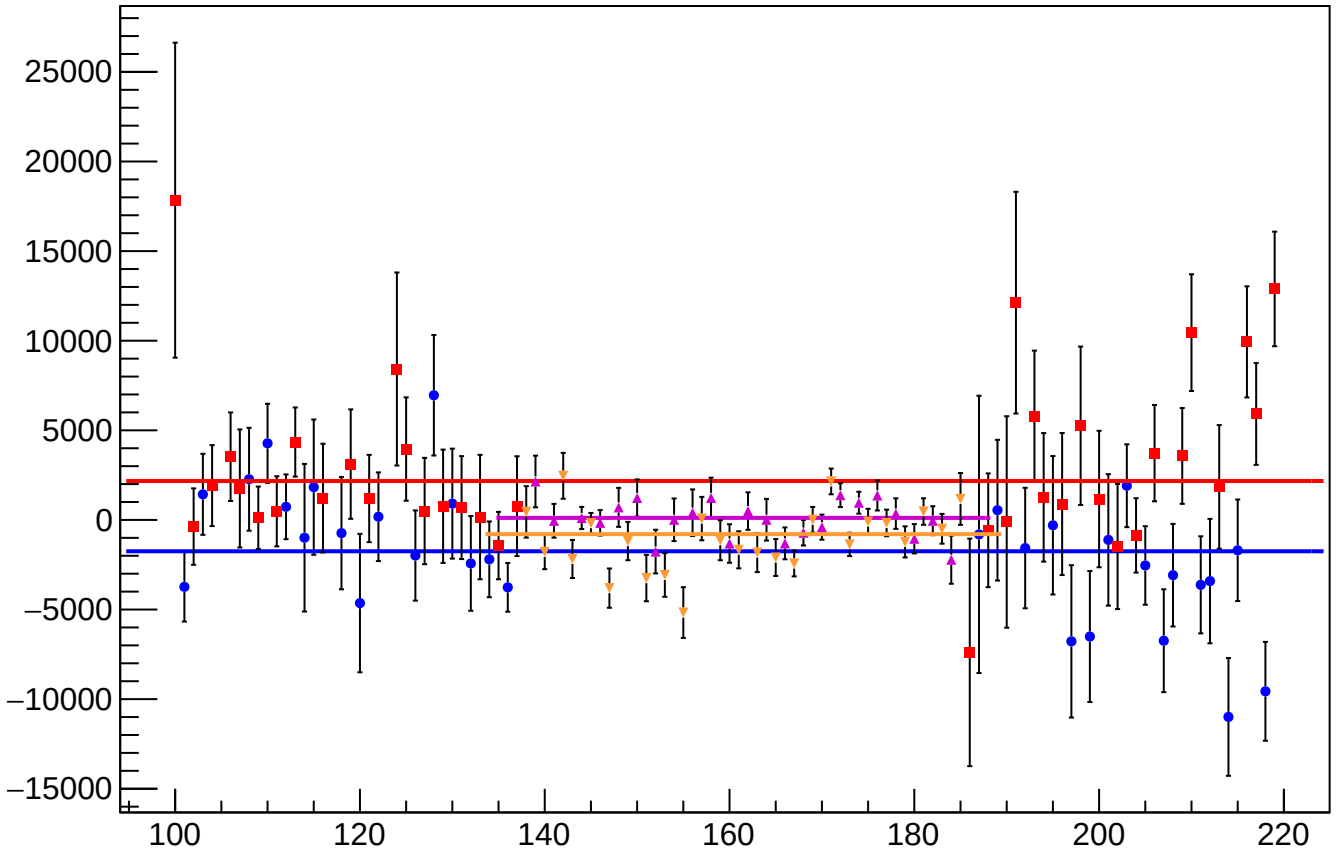
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 187.887+/-0.023 χ^2/NDF: 15016639.5/68

In: 123.784+/-0.016 χ^2/NDF:13033599.2/54

Out: 124.101+/-0.016 χ^2/NDF:15710675.0/61

All: 123.945+/-0.011 χ^2/NDF: 28744476.8/11



Right In: -1749.056+/-473.208 χ^2/NDF: 52.5/31

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 2171.305+/-470.088 χ^2/NDF: 52.5/36

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

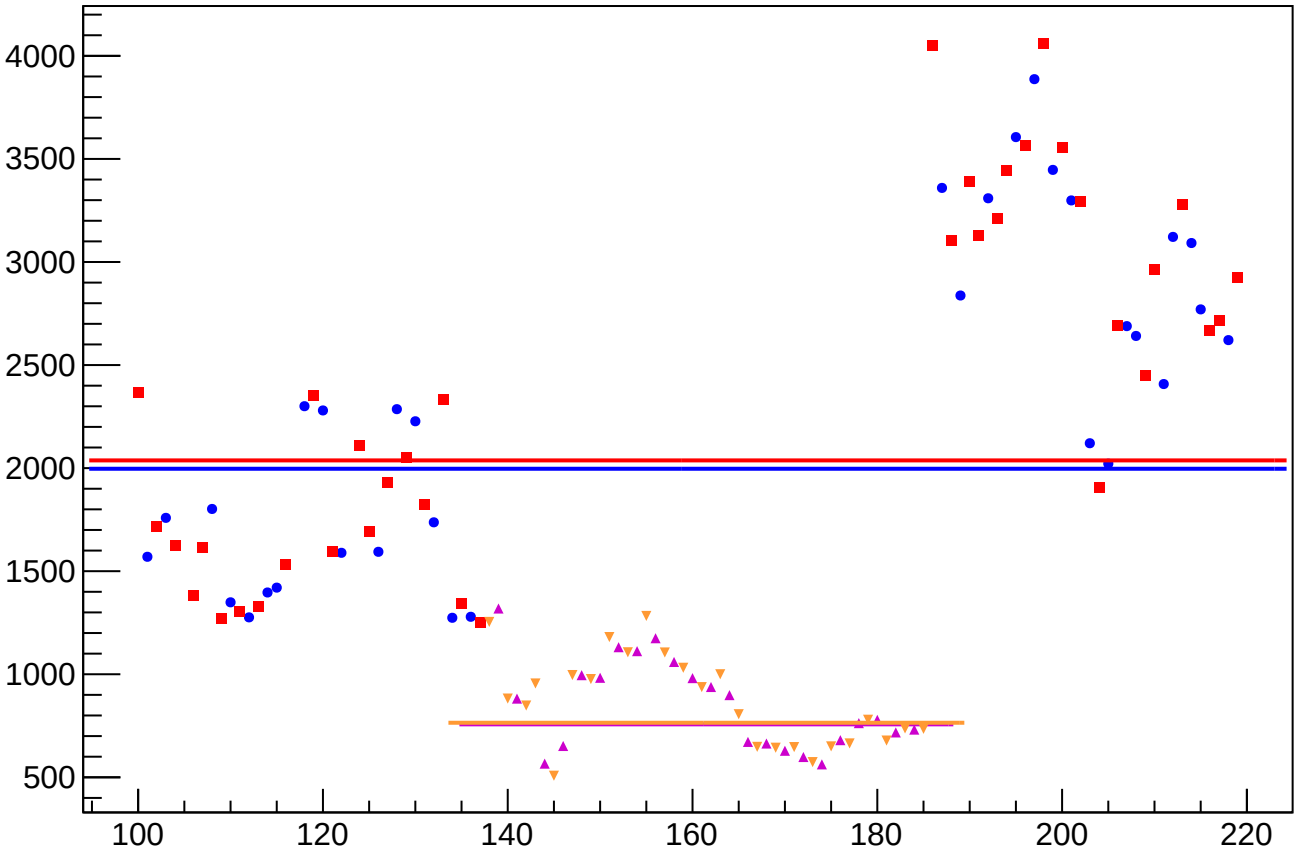
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 224.092+/-333.500 χ^2/NDF: 139.5/68

In: -128.947+/-170.783 χ^2/NDF:92.2/54

Out: -414.396+/-168.014 χ^2/NDF:157.2/61

All: -274.004+/-119.771 χ^2/NDF: 250.8/116



Right In: 1996.897+/-0.335 χ^2/NDF: 4402016.4/31

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 2037.484+/-0.332 χ^2/NDF: 5206312.4/36

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

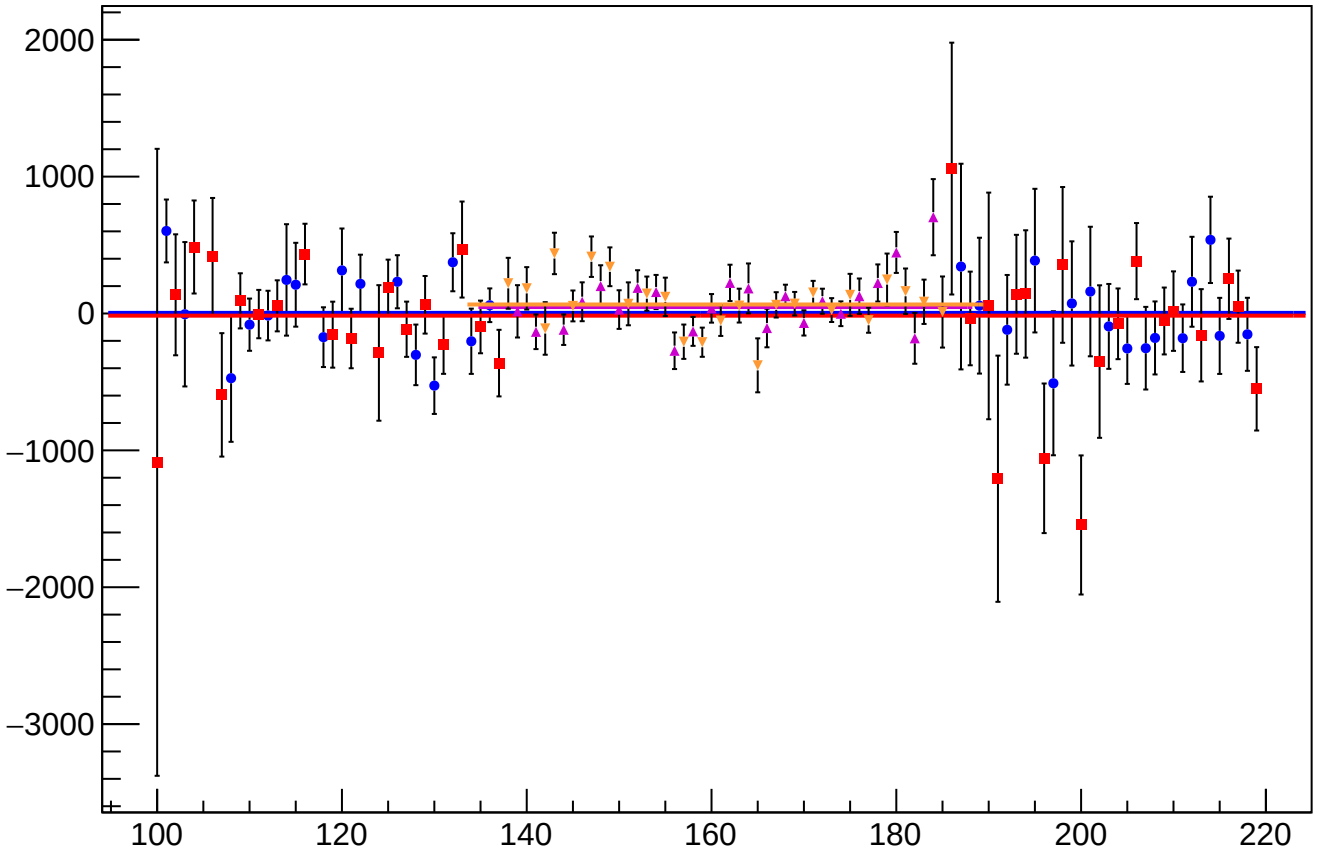
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 2017.324+/-0.236 χ^2/NDF: 9615734.0/68

In: 918.436+/-0.121 χ^2/NDF:18461065.5/54

Out: 927.317+/-0.119 χ^2/NDF:20419878.6/61

All: 922.949+/-0.085 χ^2/NDF: 38883692.6/1



Right In: 4.386+/-45.960 χ^2/NDF: 34.3/31

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -15.950+/-46.840 χ^2/NDF: 40.6/36

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

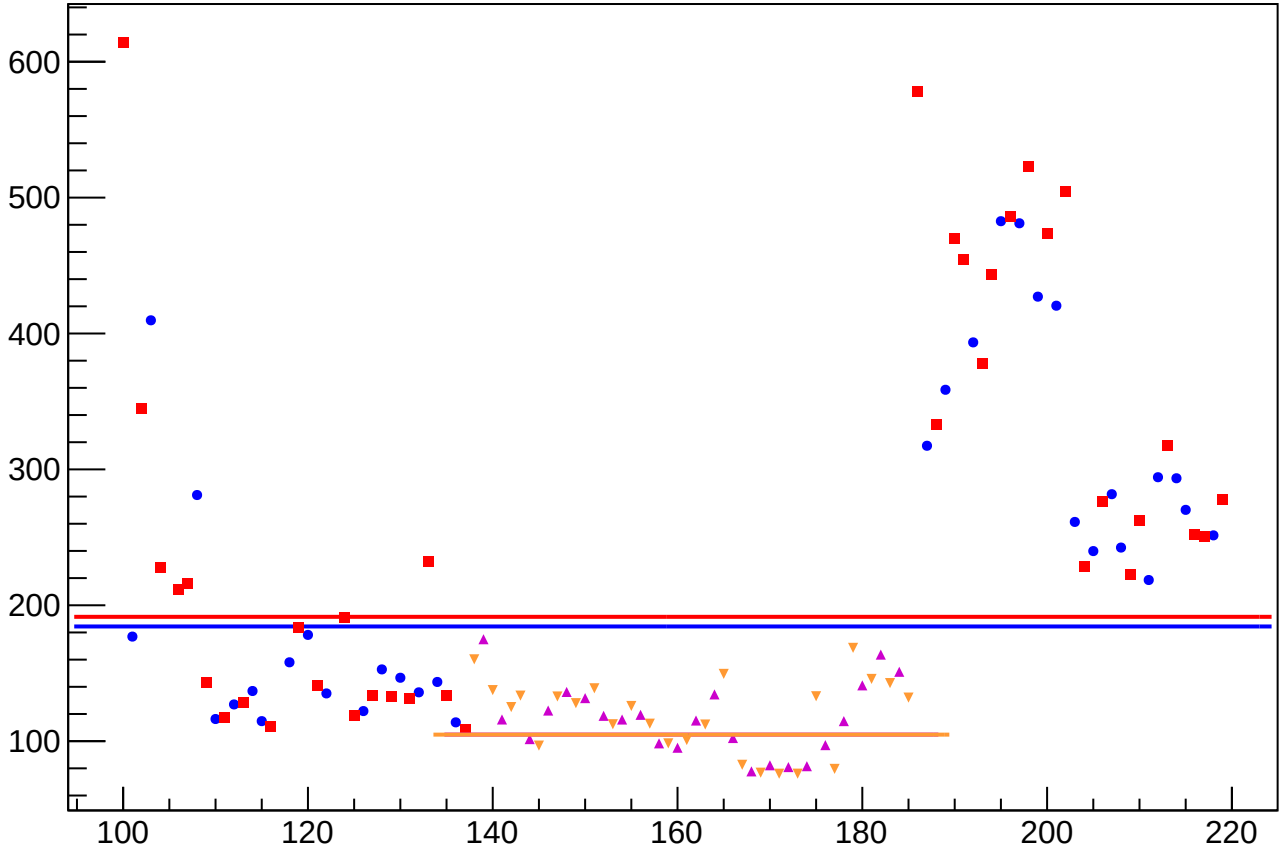
Right: -5.589+/-32.805 χ^2/NDF: 75.0/68

In: 36.880+/-22.429 χ^2/NDF:73.6/54

Out: 47.533+/-22.096 χ^2/NDF:83.0/61

All: 42.286+/-15.741 χ^2/NDF: 156.7/116

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 184.408+/-0.032 χ^2/NDF: 6851750.1/31

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 191.502+/-0.033 χ^2/NDF: 8141473.1/36

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

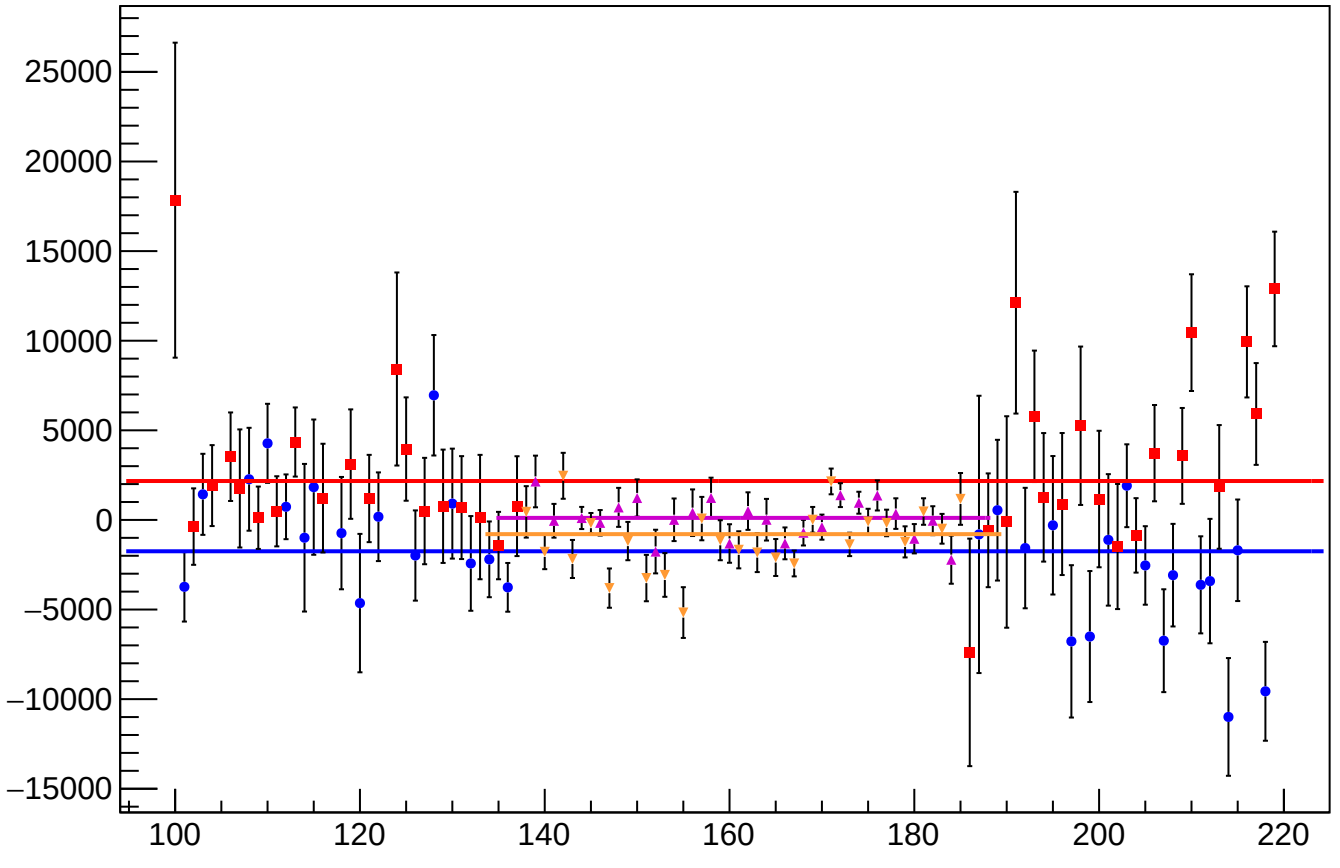
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 187.888+/-0.023 χ^2/NDF: 15016596.6/68

In: 123.785+/-0.016 χ^2/NDF:13033577.1/54

Out: 124.102+/-0.016 χ^2/NDF:15710662.7/61

All: 123.946+/-0.011 χ^2/NDF: 28744442.5/11



Right In: -1749.052+/-473.208 χ^2/NDF: 52.5/31

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: 2171.302+/-470.087 χ^2/NDF: 52.5/36

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

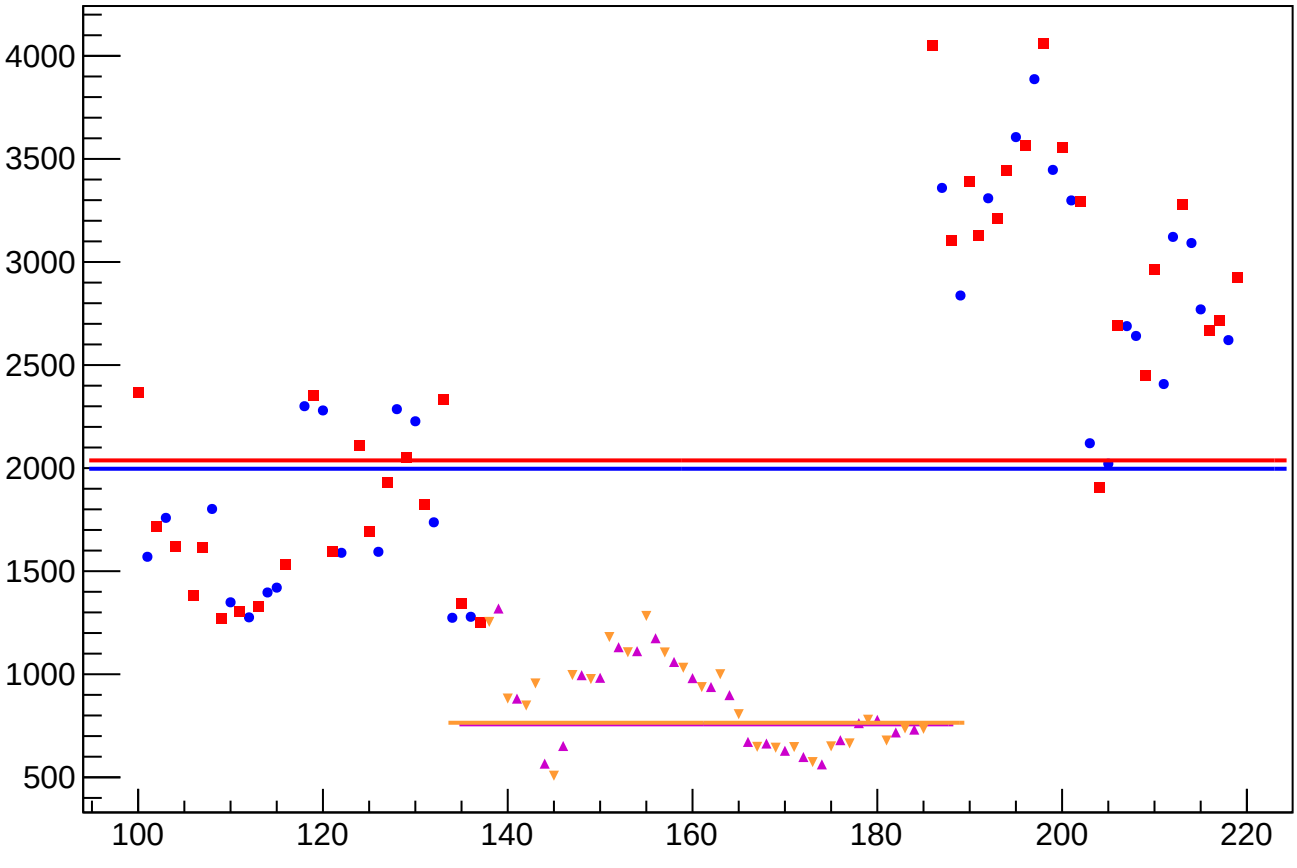
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 224.093+/-333.500 χ^2/NDF: 139.5/68

In: -128.946+/-170.783 χ^2/NDF:92.2/54

Out: -414.397+/-168.014 χ^2/NDF:157.2/61

All: -274.005+/-119.771 χ^2/NDF: 250.8/116



Right In: 1996.895+/-0.335 χ^2/NDF: 4402015.6/31

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 2037.481+/-0.332 χ^2/NDF: 5206315.8/36

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

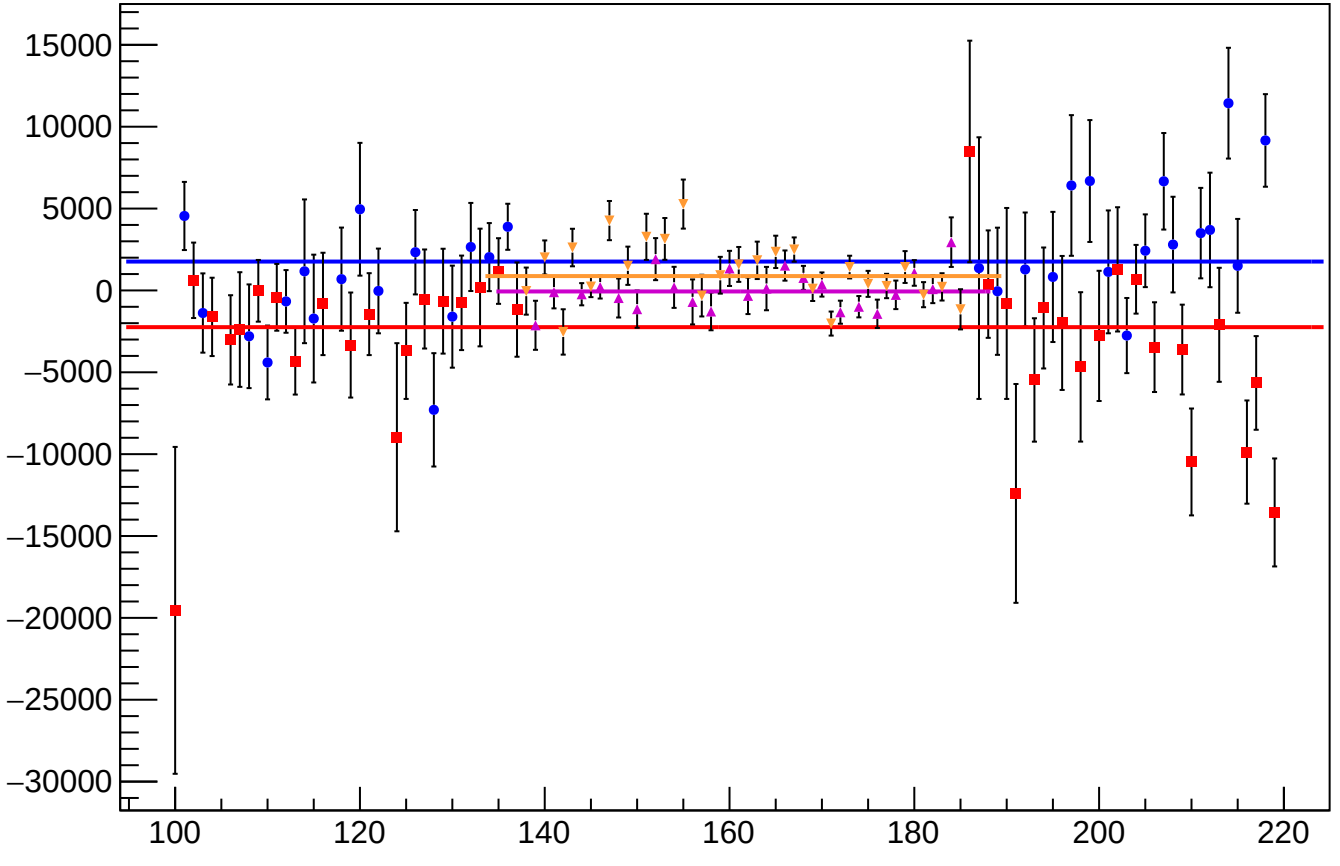
Right: 2017.323+/-0.236 χ^2/NDF: 9615736.3/68

In: 918.435+/-0.121 χ^2/NDF:18461060.2/54

Out: 927.317+/-0.119 χ^2/NDF:20419866.7/61

All: 922.949+/-0.085 χ^2/NDF: 38883675.4/1

asym_sam3_mean vs Slug, Sign Corrected



Right In: 1762.929+/-487.461 χ^2/NDF: 53.0/31

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -2242.993+/-489.903 χ^2/NDF: 49.7/36

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

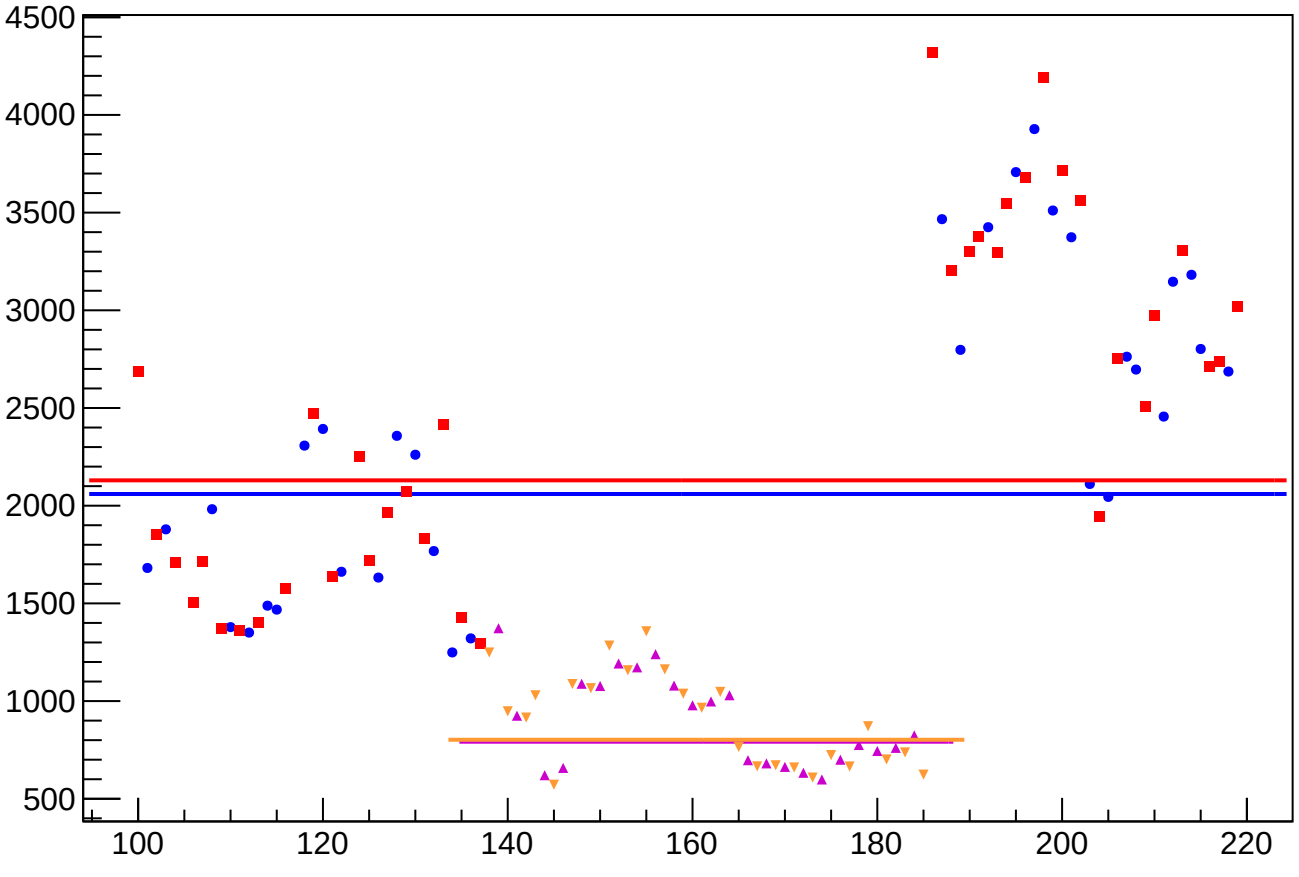
Right: -230.019+/-345.547 χ^2/NDF: 136.2/68

In: 181.550+/-178.317 χ^2/NDF:92.2/54

Out: 472.353+/-176.331 χ^2/NDF:152.2/61

All: 328.580+/-125.381 χ^2/NDF: 245.8/116

asym_sam3_rms vs Slug, Sign Corrected



Right In: 2059.807+/-0.345 χ^2/NDF: 4256669.5/31

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 2129.728+/-0.346 χ^2/NDF: 4932205.3/36

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

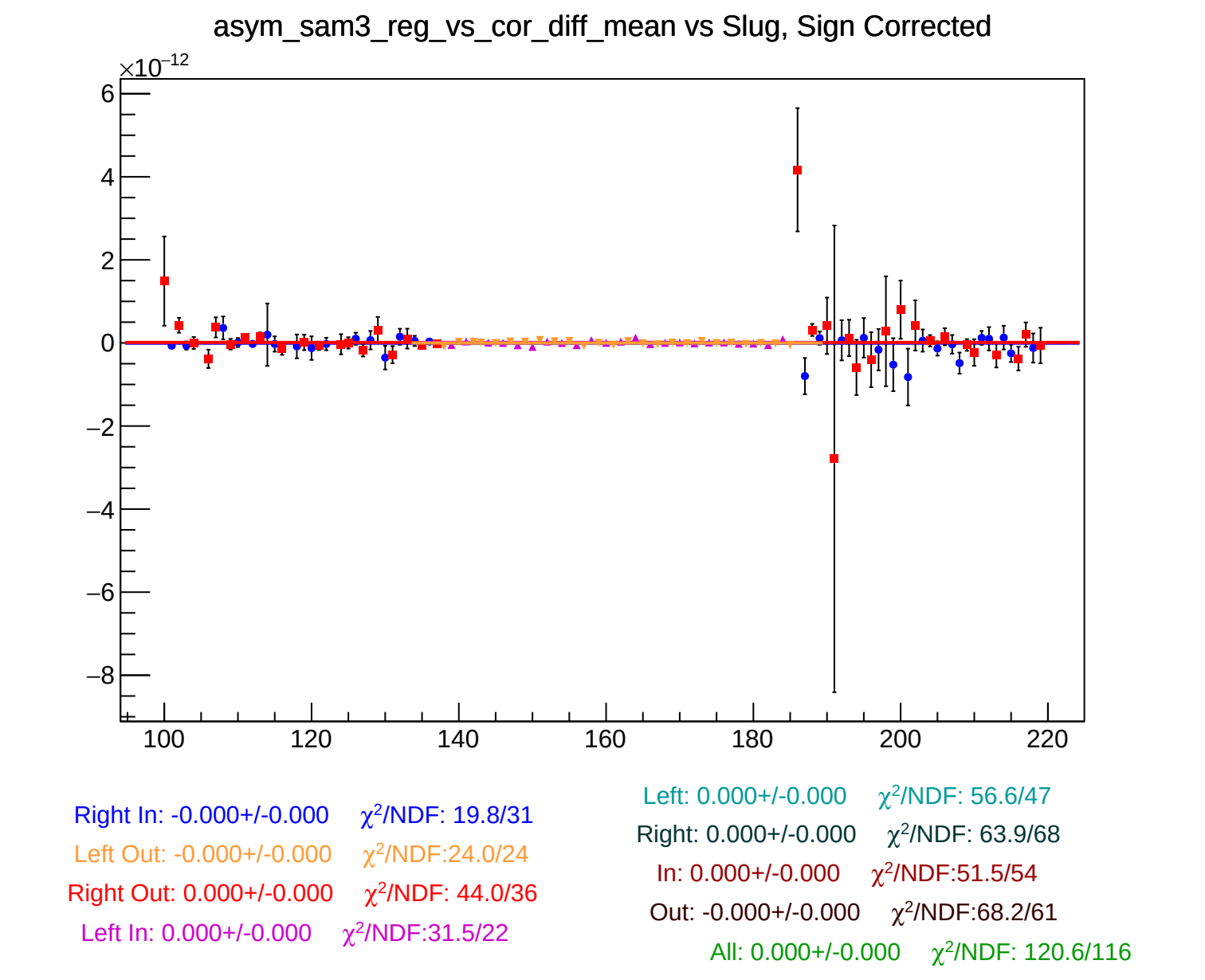
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

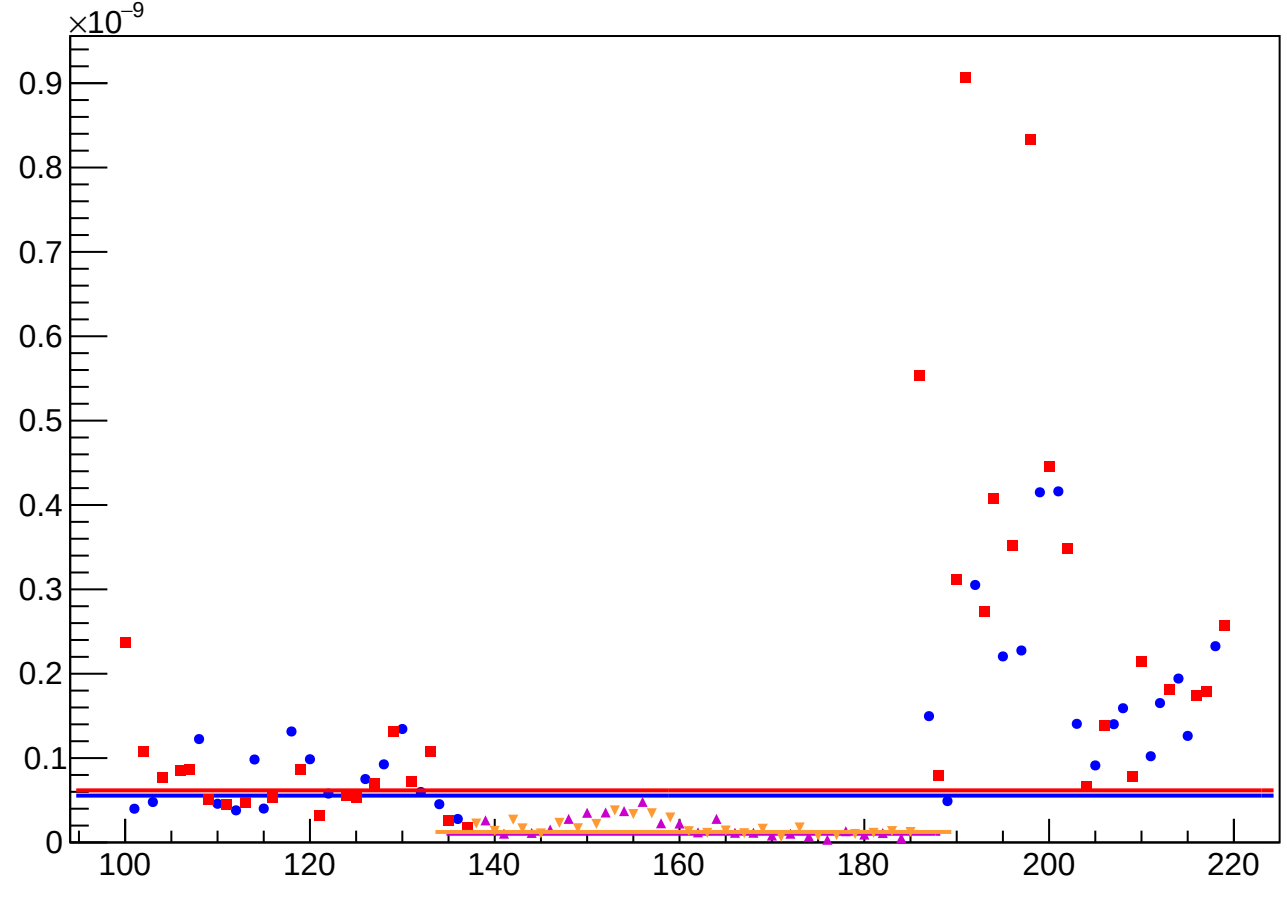
Right: 2094.593+/-0.244 χ^2/NDF: 9209347.0/68

In: 961.704+/-0.126 χ^2/NDF:18109511.8/54

Out: 974.020+/-0.125 χ^2/NDF:20115029.2/61

All: 967.931+/-0.089 χ^2/NDF: 38229364.7/11


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: 19.8/31
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 44.0/36
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: 63.9/68
In: 0.000+/-0.000 χ²/NDF:51.5/54
Out: -0.000+/-0.000 χ²/NDF:68.2/61
All: 0.000+/-0.000 χ²/NDF: 120.6/116



Right In: 0.000+/-0.000 χ^2/NDF: 6498808.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7698687.9/36

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

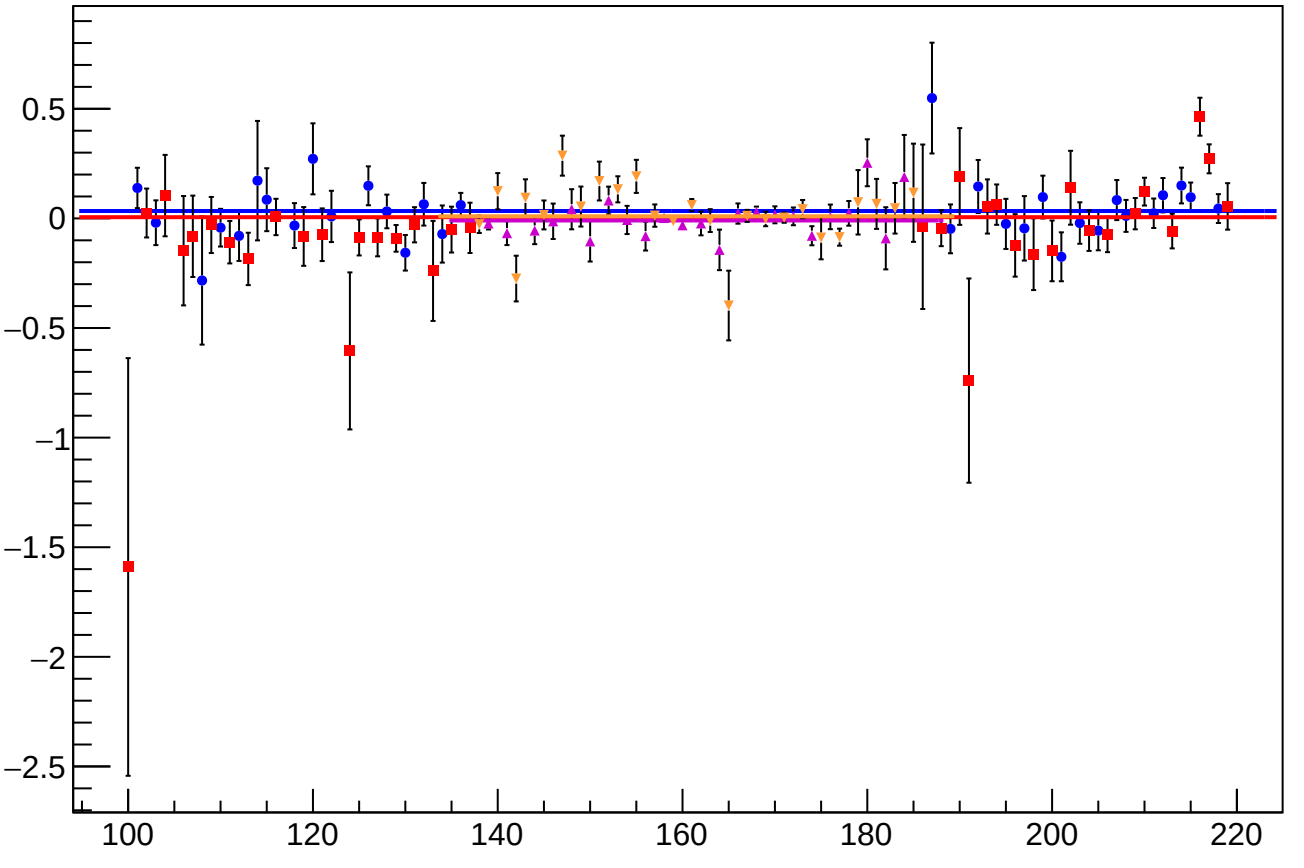
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14253200.0/68

In: 0.000+/-0.000 χ^2/NDF:16409285.7/54

Out: 0.000+/-0.000 χ^2/NDF:16128725.1/61

All: 0.000+/-0.000 χ^2/NDF: 32743876.0/116



Right In: 0.034+/-0.017 χ^2/NDF: 31.3/31

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.006+/-0.017 χ^2/NDF: 76.1/36

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

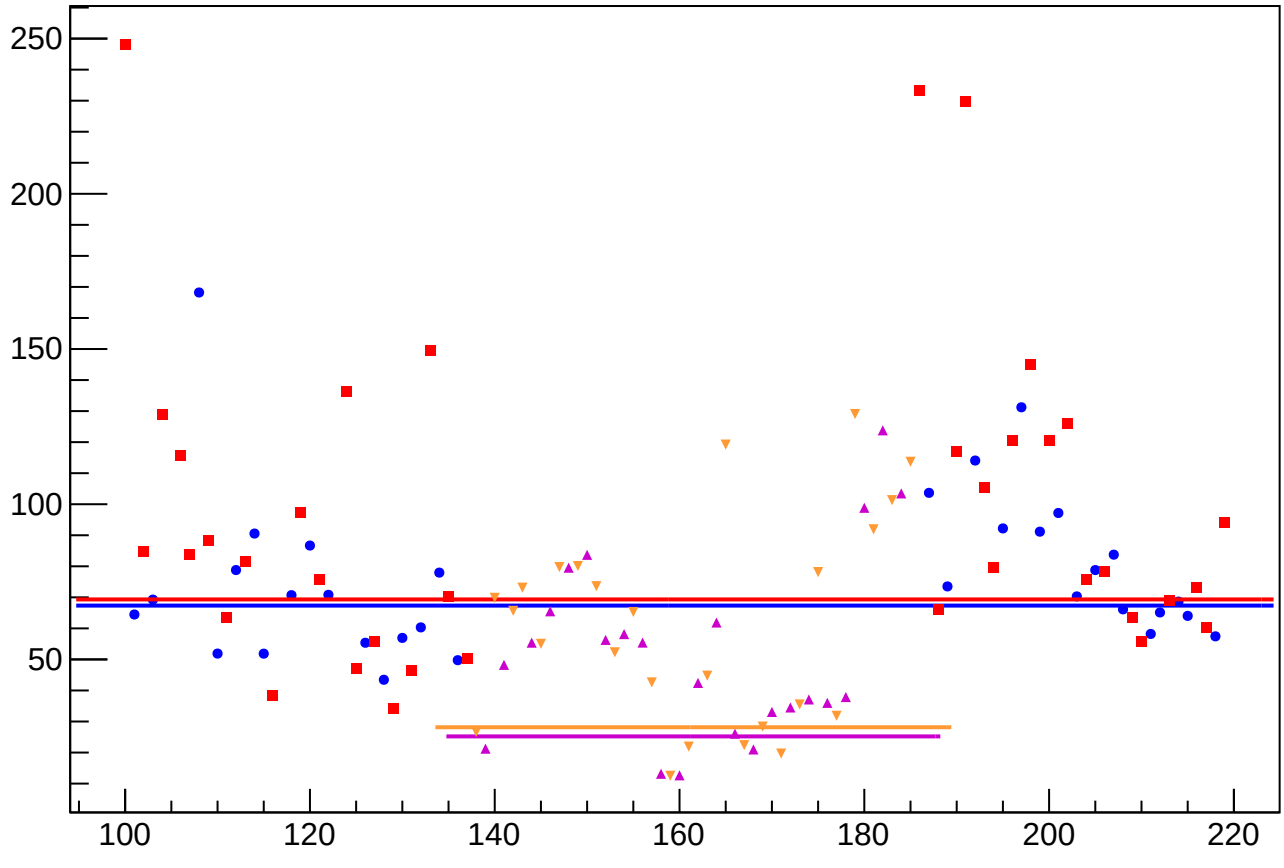
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.020+/-0.012 χ^2/NDF: 108.7/68

In: -0.001+/-0.007 χ^2/NDF:62.0/54

Out: 0.009+/-0.008 χ^2/NDF:130.8/61

All: 0.003+/-0.005 χ^2/NDF: 193.7/116



Right In: 67.345+/-0.012 χ^2/NDF: 2150793.8/31

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 69.330+/-0.012 χ^2/NDF: 4618790.9/36

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

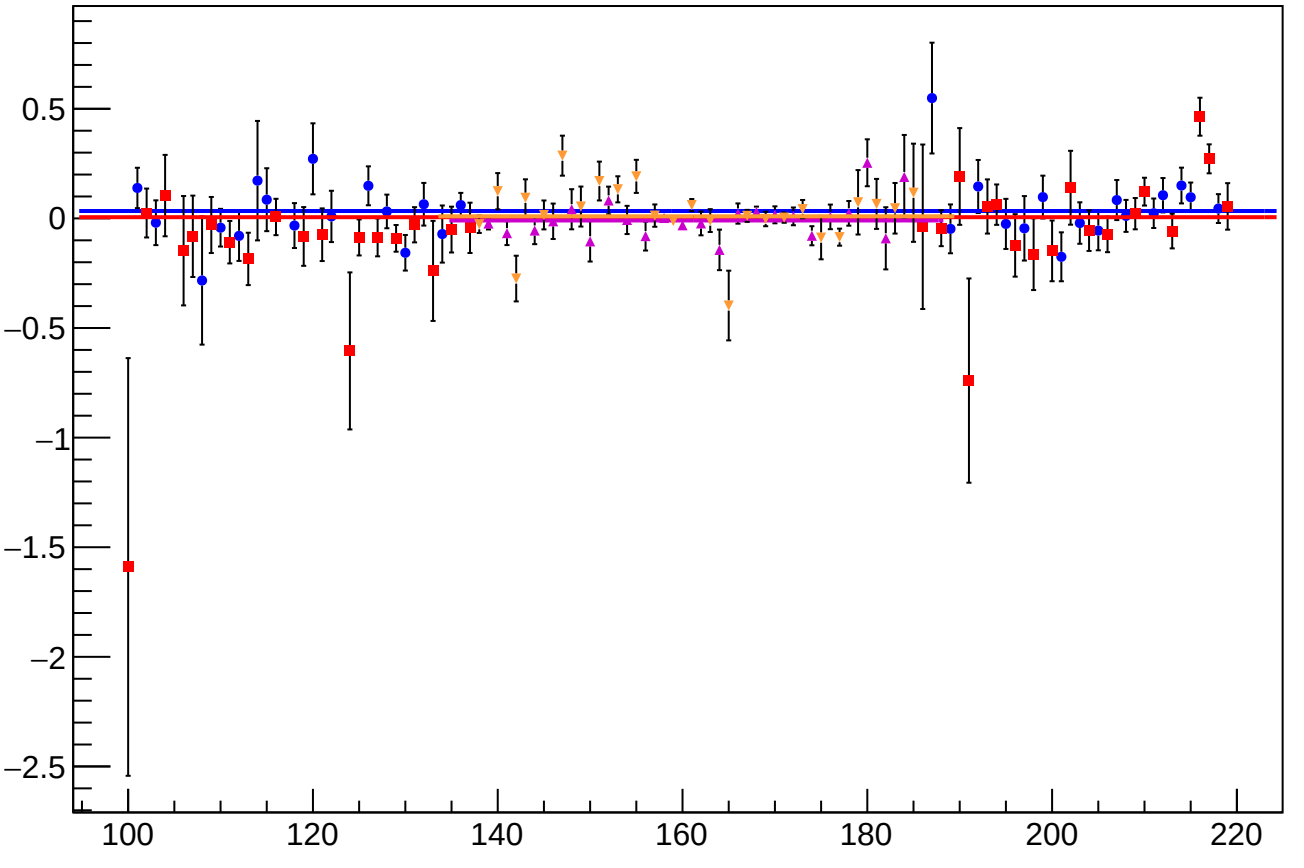
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.307+/-0.008 χ^2/NDF: 6783514.4/68

In: 33.056+/-0.005 χ^2/NDF:22652228.6/54

Out: 36.261+/-0.005 χ^2/NDF:25026536.4/61

All: 34.565+/-0.004 χ^2/NDF: 47867994.0/116



Right In: 0.034+/-0.017 χ^2/NDF: 31.3/31

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.006+/-0.017 χ^2/NDF: 76.1/36

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

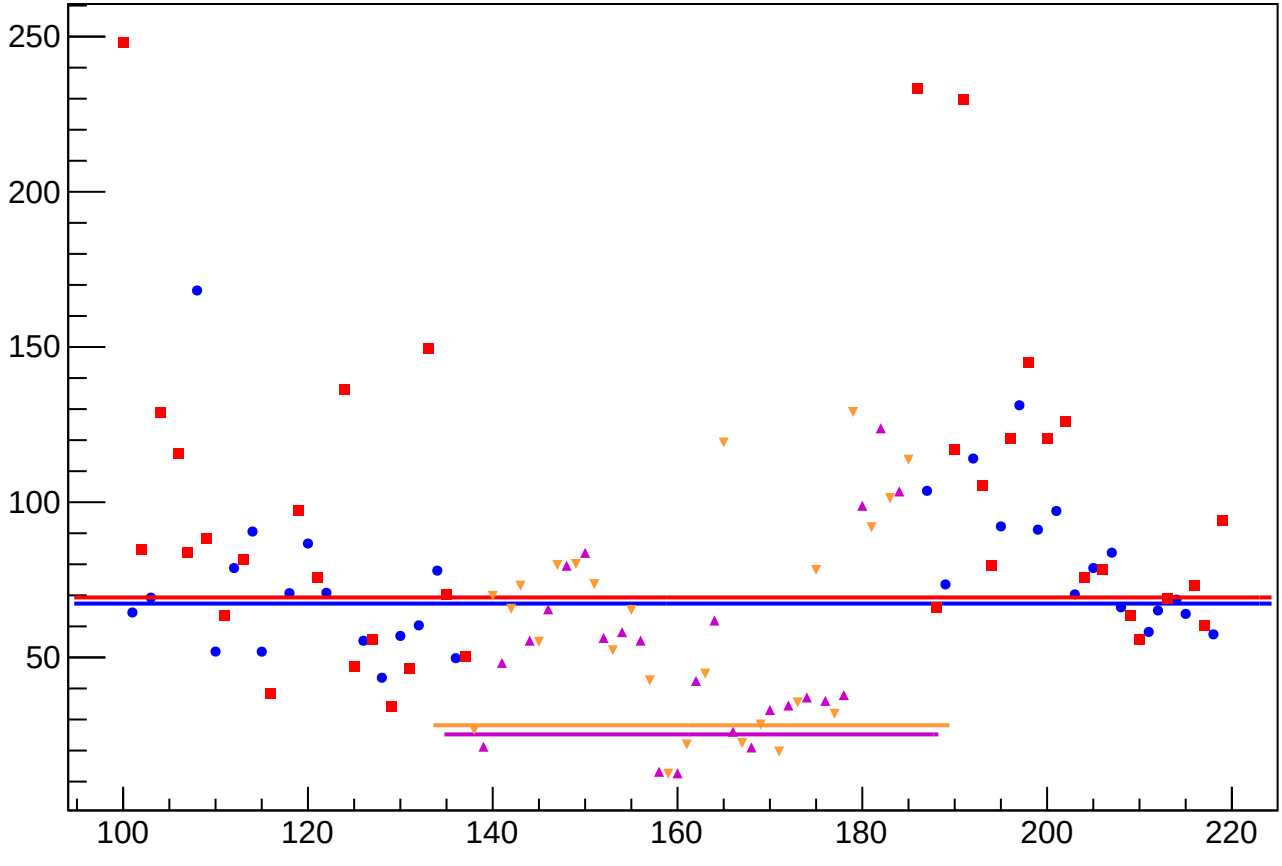
Right: 0.020+/-0.012 χ^2/NDF: 108.7/68

In: -0.001+/-0.007 χ^2/NDF:62.0/54

Out: 0.009+/-0.008 χ^2/NDF:130.8/61

All: 0.003+/-0.005 χ^2/NDF: 193.7/116

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.345+/-0.012 χ^2/NDF: 2150793.8/31

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 69.330+/-0.012 χ^2/NDF: 4618790.9/36

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

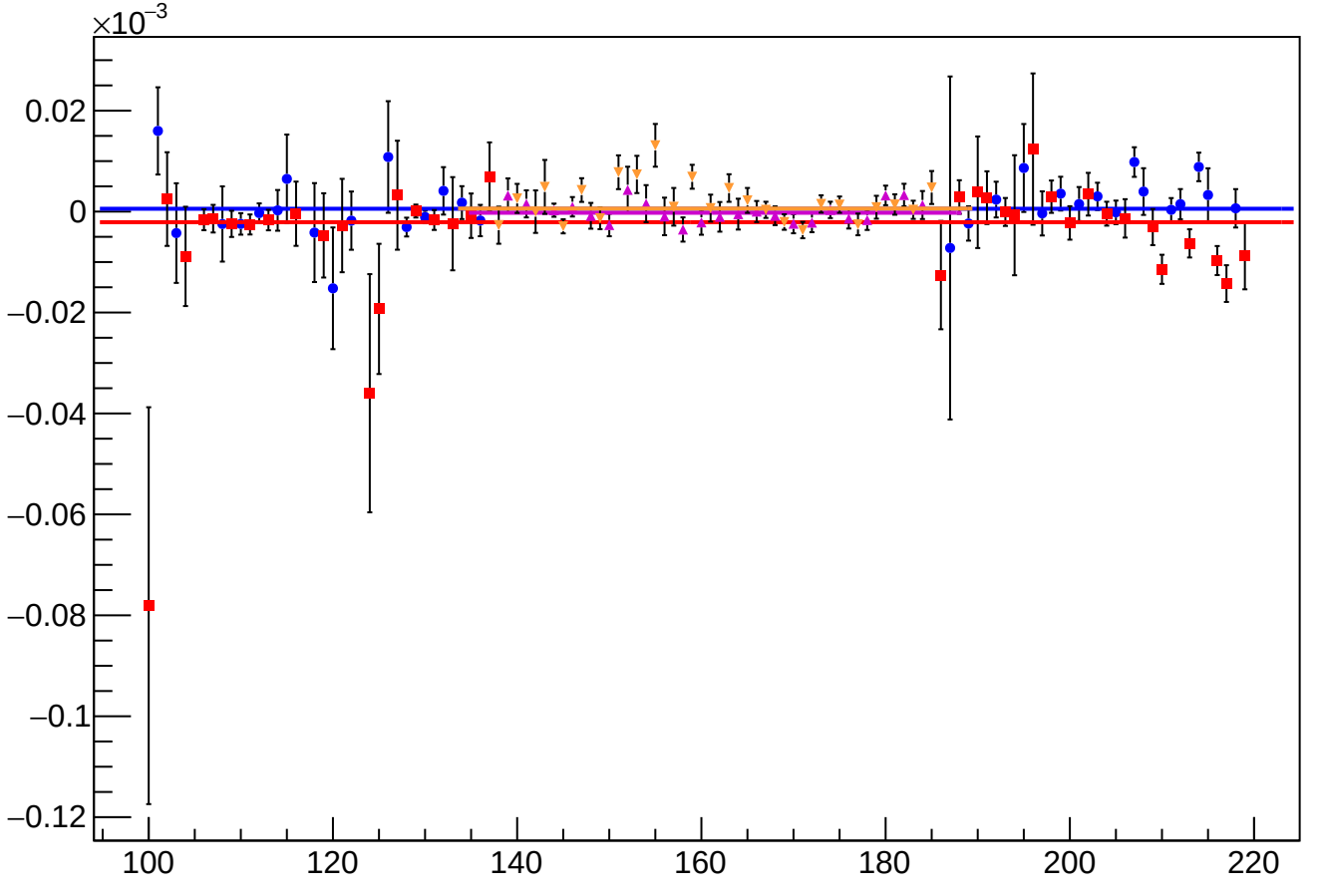
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.307+/-0.008 χ^2/NDF: 6783514.4/68

In: 33.056+/-0.005 χ^2/NDF:22652228.6/54

Out: 36.261+/-0.005 χ^2/NDF:25026536.4/61

All: 34.565+/-0.004 χ^2/NDF: 47867994.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 39.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 56.4/36

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

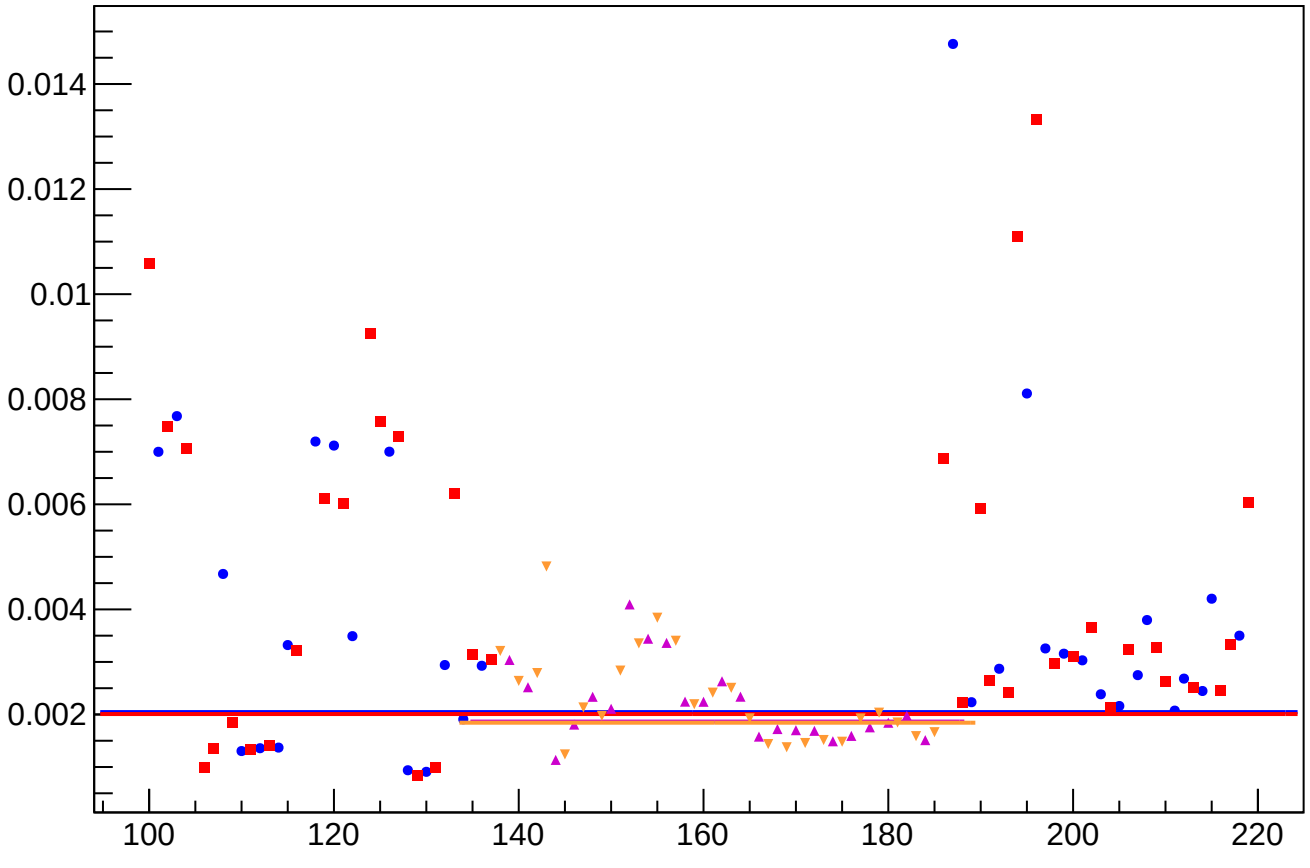
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 107.2/68

In: 0.000+/-0.000 χ^2/NDF:56.9/54

Out: -0.000+/-0.000 χ^2/NDF:123.5/61

All: -0.000+/-0.000 χ^2/NDF: 181.7/116



Right In: 0.002+/-0.000 χ^2/NDF: 9284543.3/31

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 12532377.1/36

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

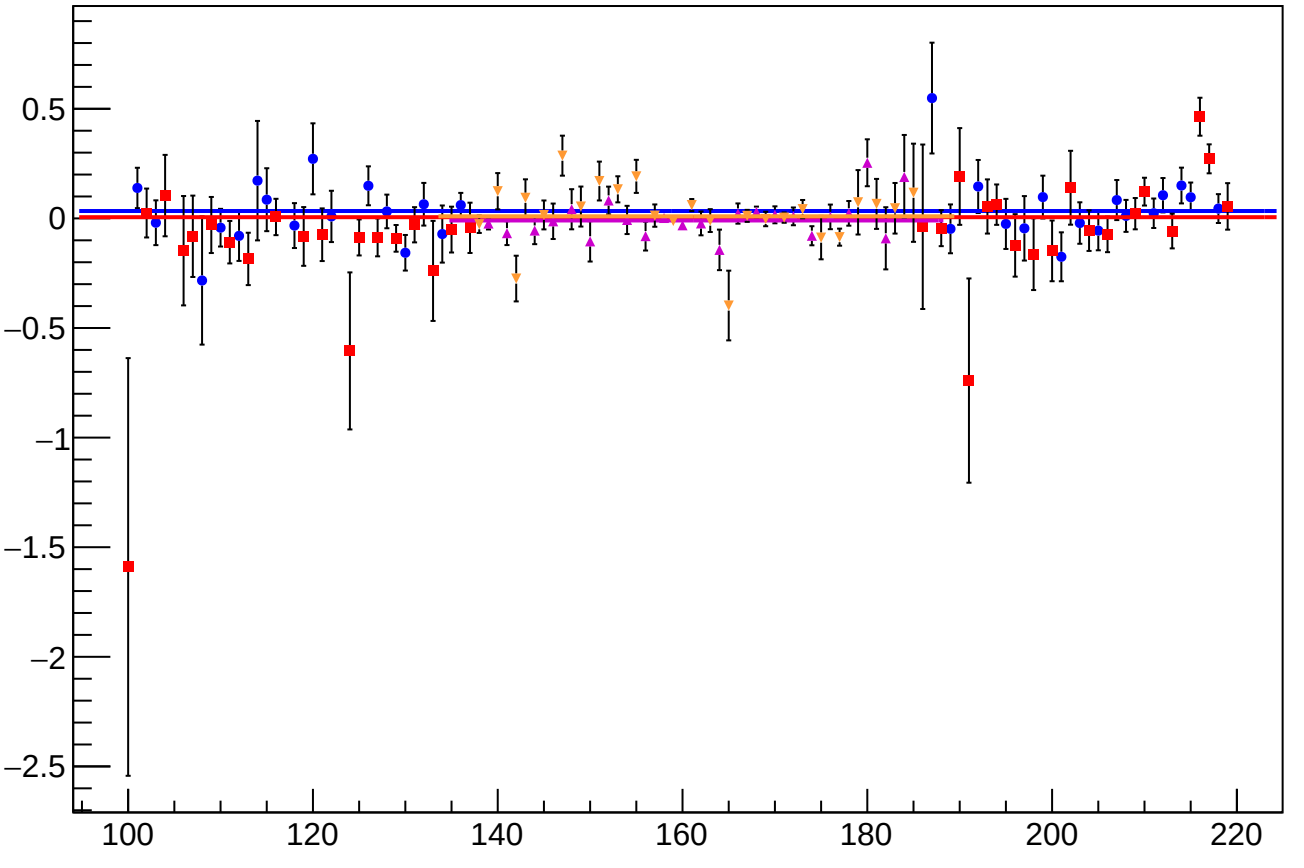
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 21821454.6/68

In: 0.002+/-0.000 χ^2/NDF:12204239.5/54

Out: 0.002+/-0.000 χ^2/NDF:16425742.4/61

All: 0.002+/-0.000 χ^2/NDF: 28636914.9/116



Right In: 0.034+/-0.017 χ^2/NDF: 31.3/31

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.006+/-0.017 χ^2/NDF: 76.1/36

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

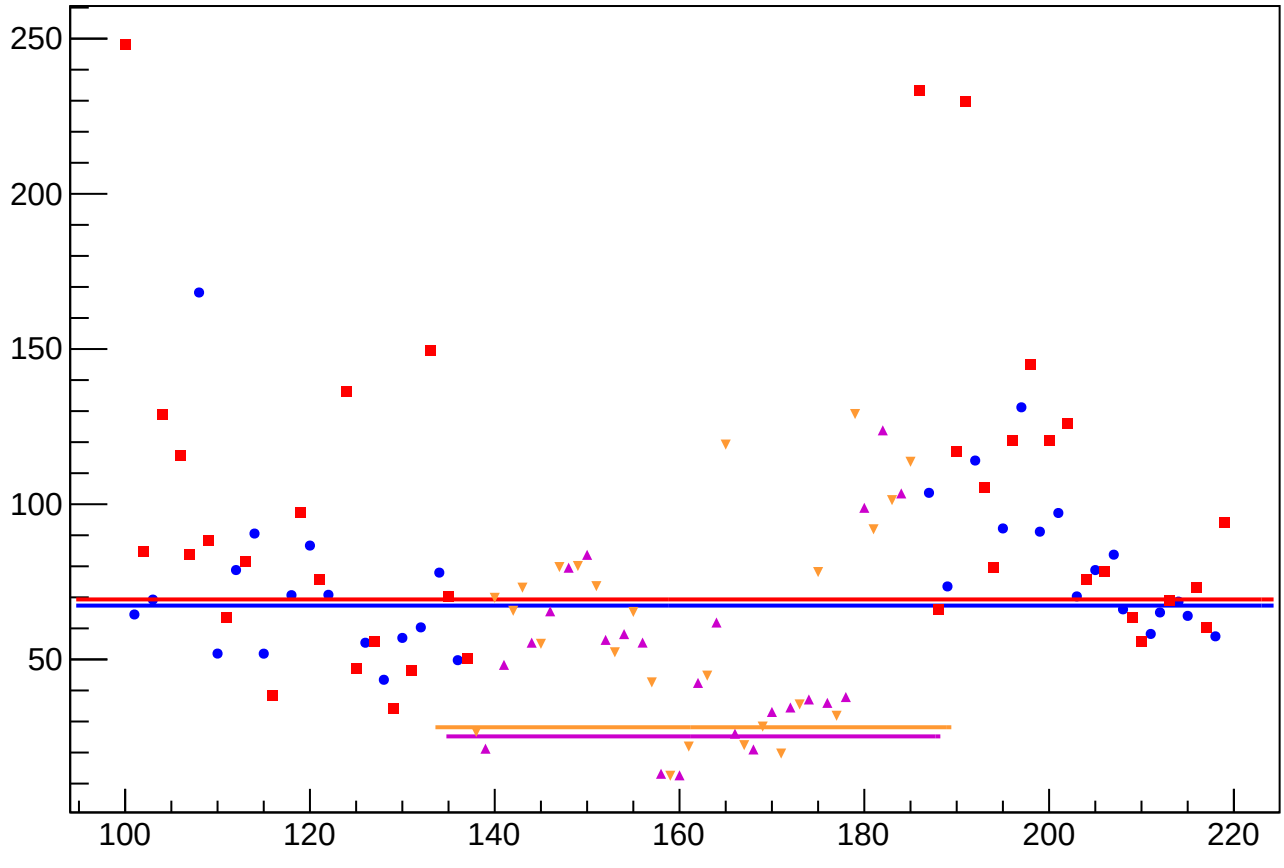
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.020+/-0.012 χ^2/NDF: 108.7/68

In: -0.001+/-0.007 χ^2/NDF:62.0/54

Out: 0.009+/-0.008 χ^2/NDF:130.8/61

All: 0.003+/-0.005 χ^2/NDF: 193.7/116



Right In: 67.345+/-0.012 χ^2/NDF: 2150785.2/31

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 69.331+/-0.012 χ^2/NDF: 4618843.0/36

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

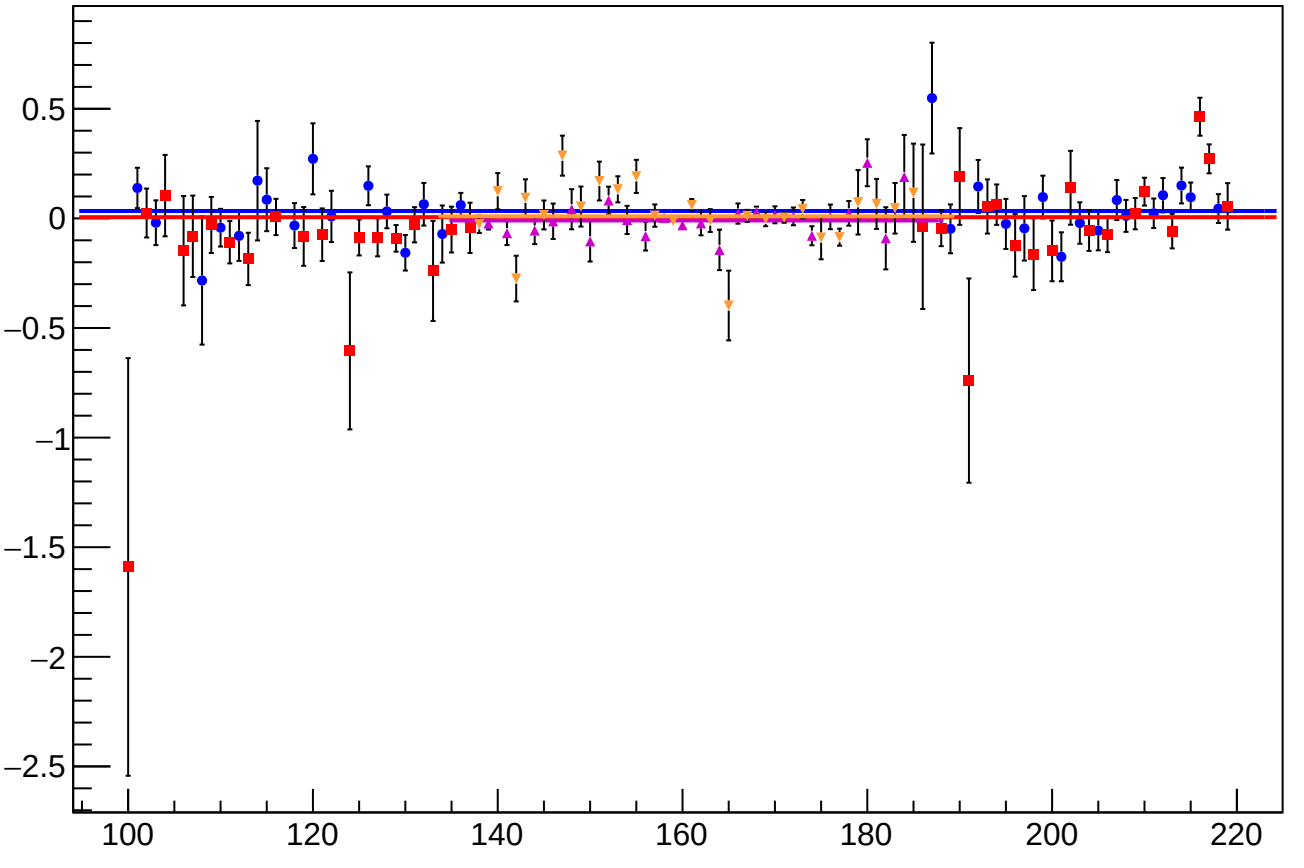
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.308+/-0.008 χ^2/NDF: 6783559.8/68

In: 33.056+/-0.005 χ^2/NDF:22653035.8/54

Out: 36.260+/-0.005 χ^2/NDF:25028470.2/61

All: 34.564+/-0.004 χ^2/NDF: 47870644.1/116



Right In: 0.034+/-0.017 χ^2/NDF: 31.3/31

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.006+/-0.017 χ^2/NDF: 76.1/36

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

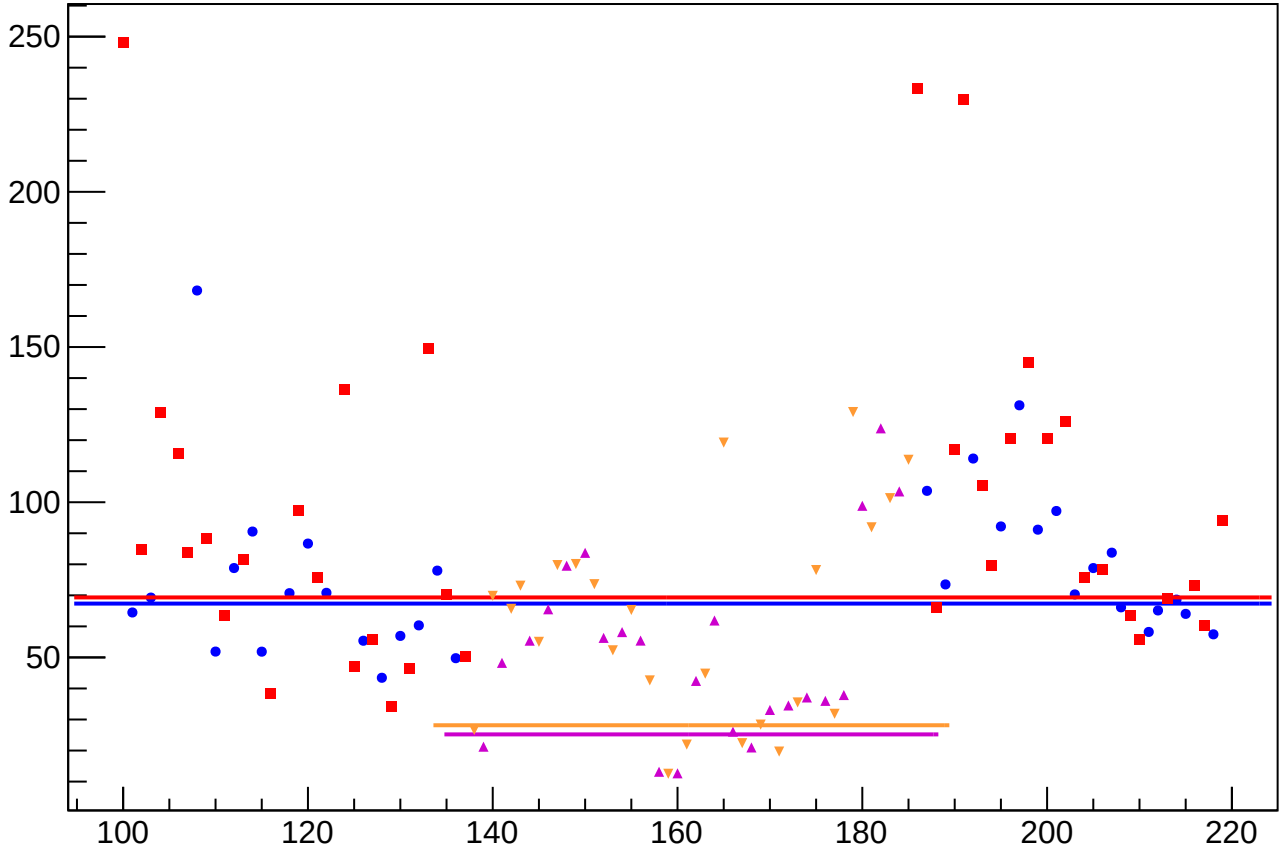
Right: 0.020+/-0.012 χ^2/NDF: 108.7/68

In: -0.001+/-0.007 χ^2/NDF:62.0/54

Out: 0.009+/-0.008 χ^2/NDF:130.8/61

All: 0.003+/-0.005 χ^2/NDF: 193.7/116

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.345+/-0.012 χ^2/NDF: 2150785.2/31

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 69.331+/-0.012 χ^2/NDF: 4618843.0/36

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

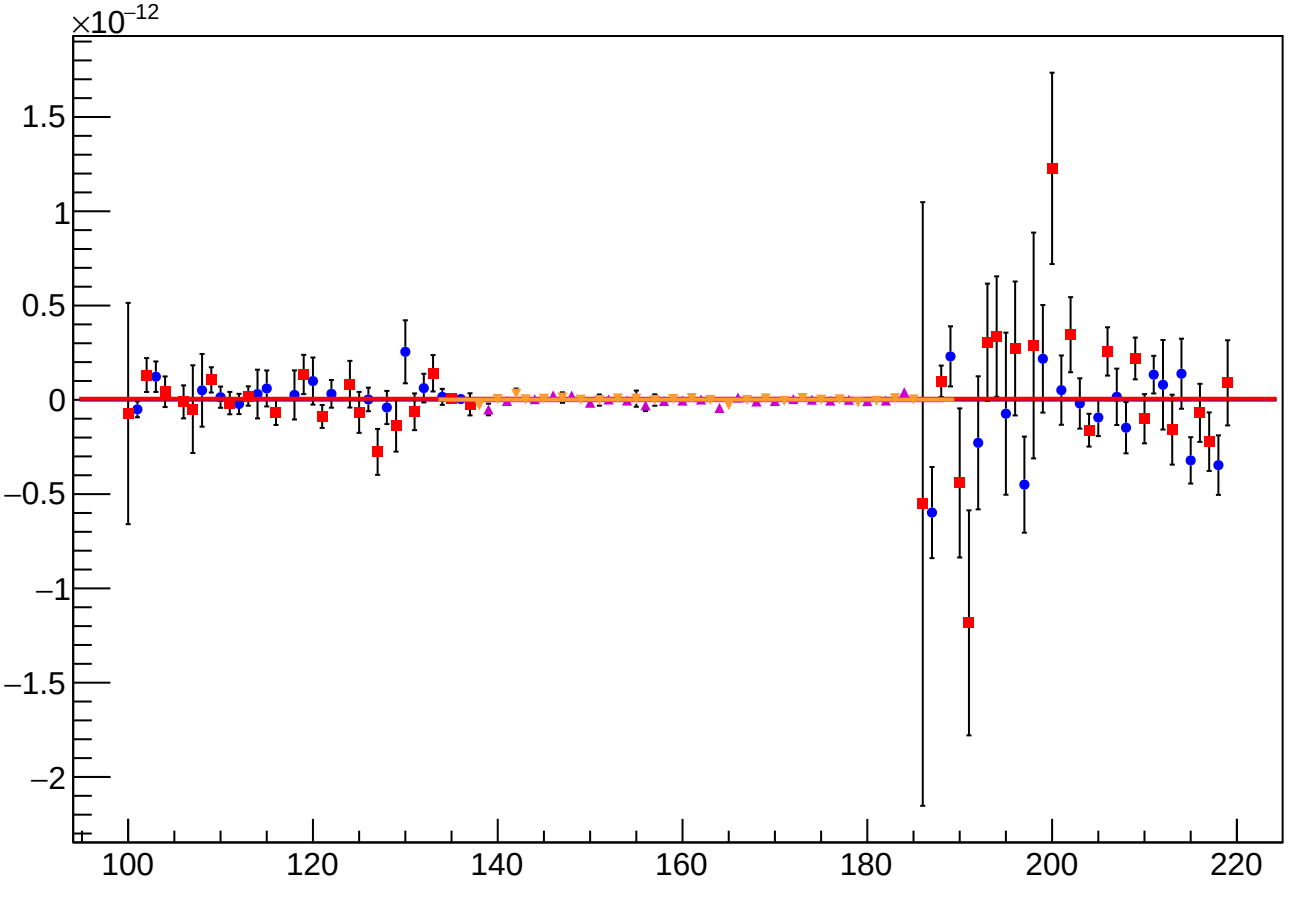
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.308+/-0.008 χ^2/NDF: 6783559.8/68

In: 33.056+/-0.005 χ^2/NDF:22653035.8/54

Out: 36.260+/-0.005 χ^2/NDF:25028470.2/61

All: 34.564+/-0.004 χ^2/NDF: 47870644.1/116



Right In: 0.000+/-0.000 χ^2/NDF: 37.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 53.0/36

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

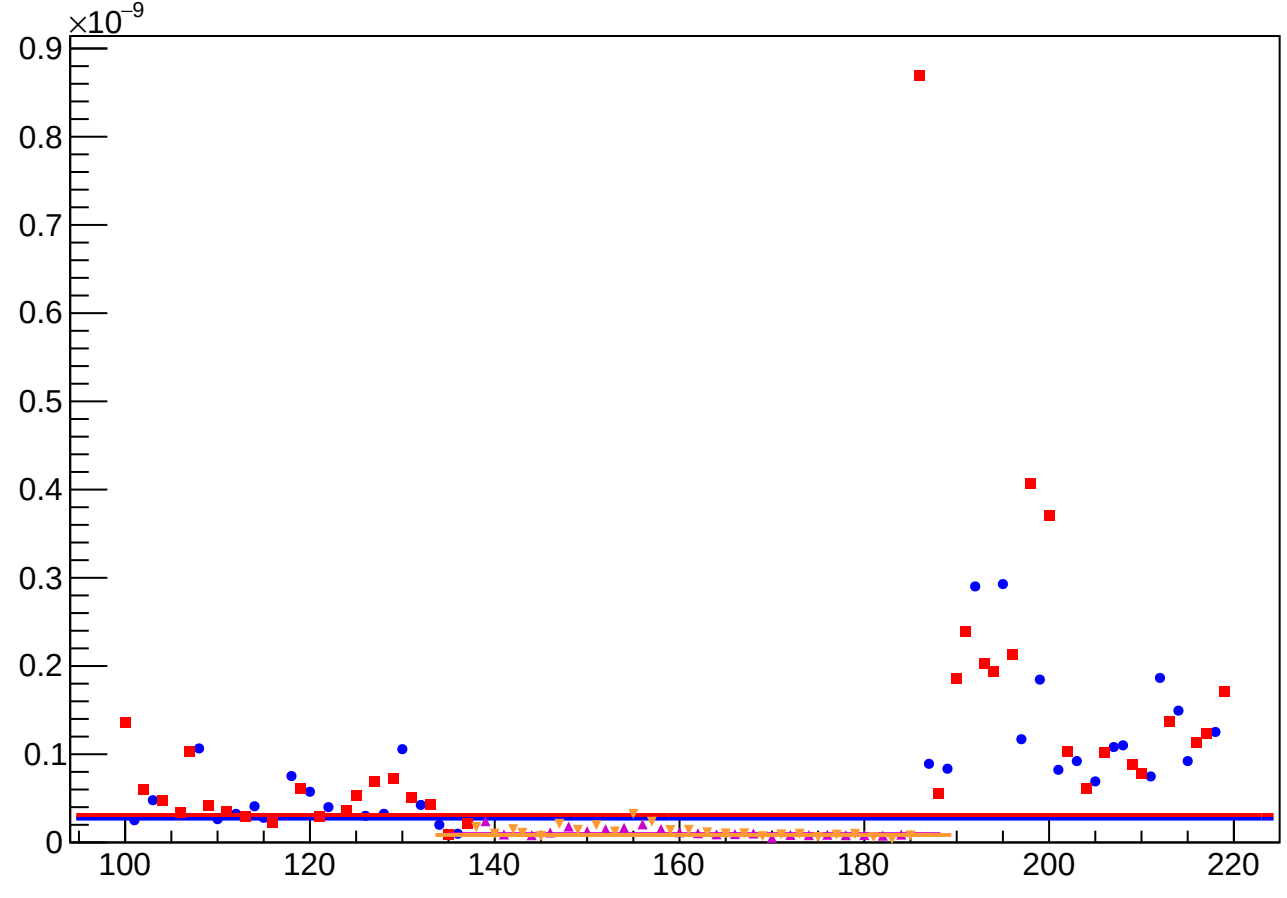
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 90.5/68

In: -0.000+/-0.000 χ^2/NDF:58.3/54

Out: 0.000+/-0.000 χ^2/NDF:64.4/61

All: 0.000+/-0.000 χ^2/NDF: 123.4/116



Right In: 0.000+/-0.000 χ^2/NDF: 12817824.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13456540.2/36

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

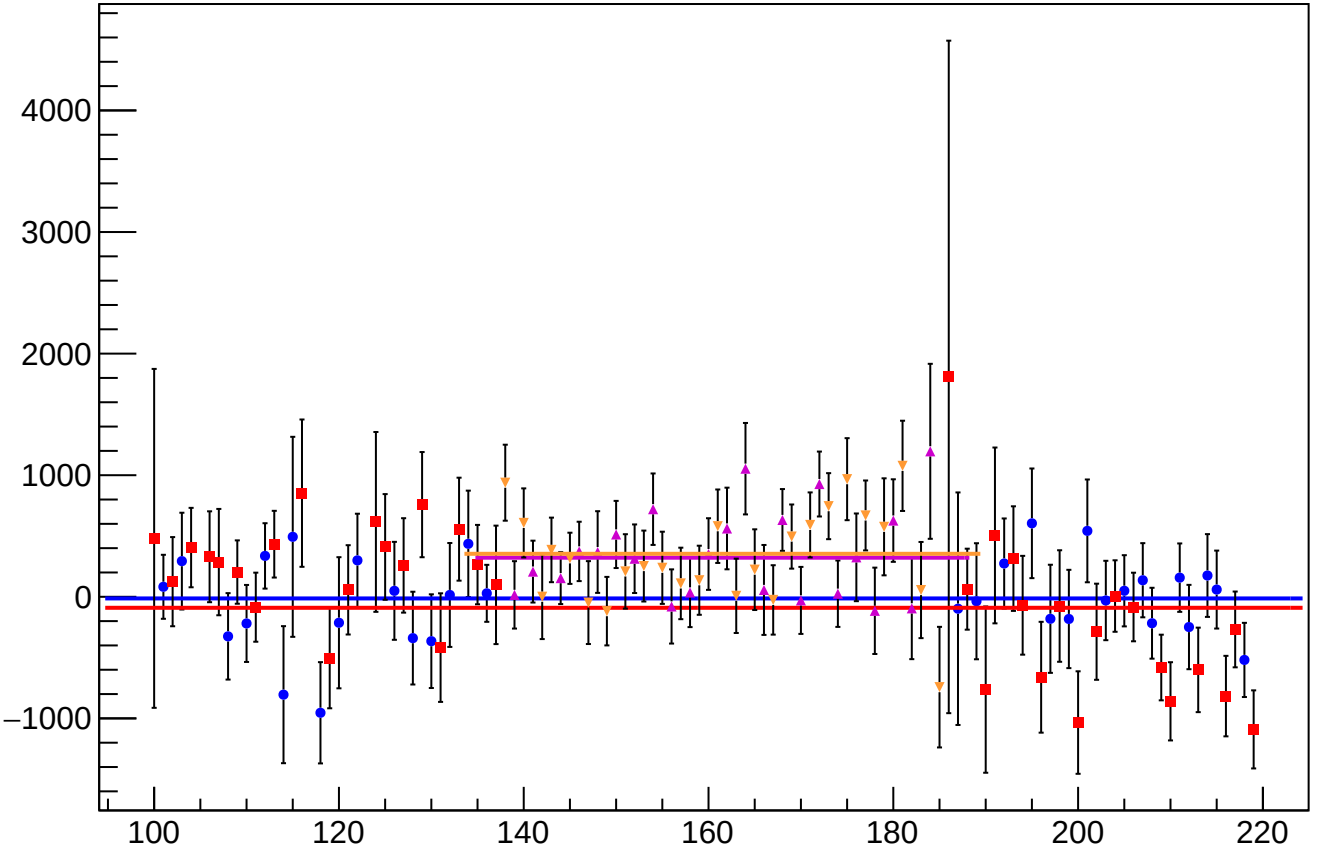
Right: 0.000+/-0.000 χ^2/NDF: 26383204.2/68

In: 0.000+/-0.000 χ^2/NDF:19323577.9/54

Out: 0.000+/-0.000 χ^2/NDF:23822890.3/61

All: 0.000+/-0.000 χ^2/NDF: 43276938.8/116

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -13.448+/-63.262 χ^2/NDF: 23.8/31

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -90.454+/-61.947 χ^2/NDF: 60.6/36

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

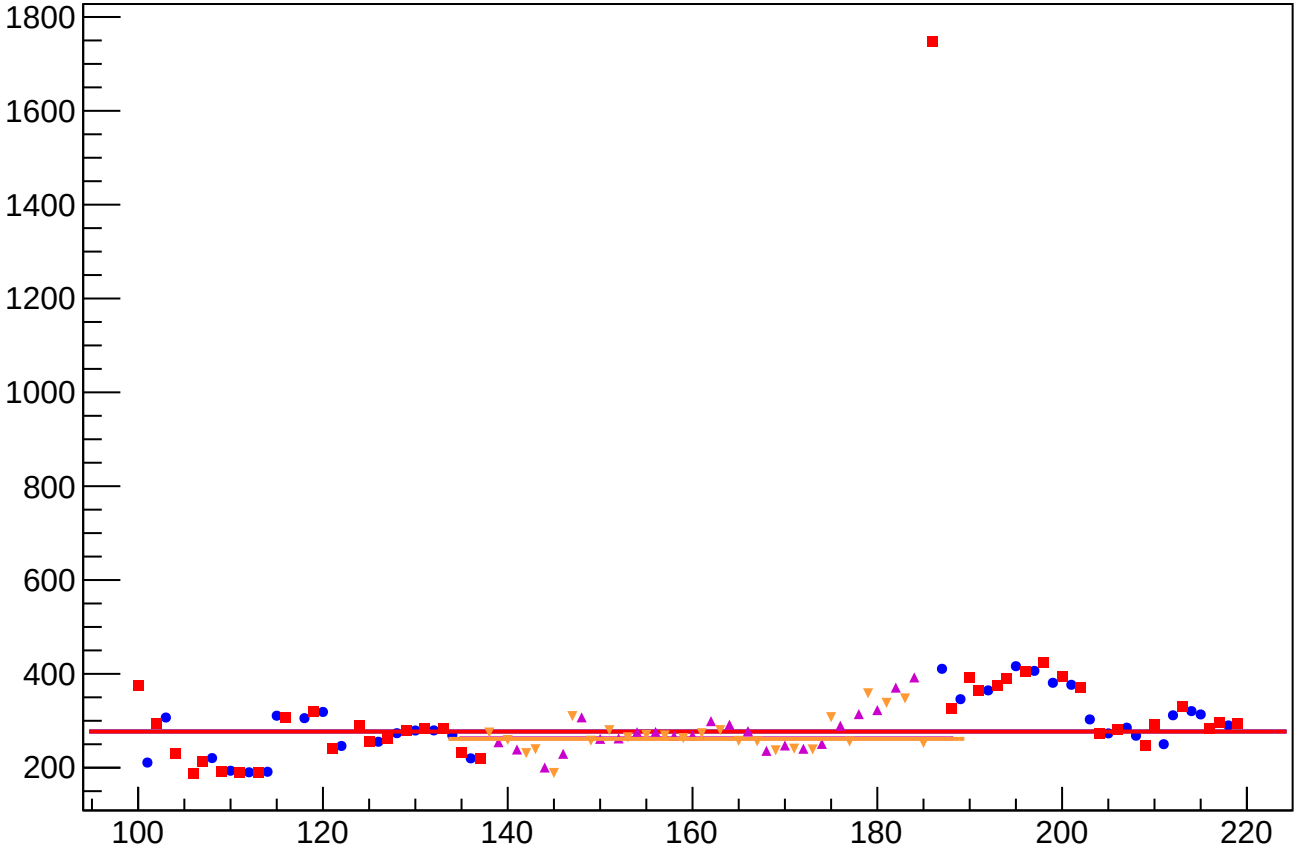
Right: -52.759+/-44.261 χ^2/NDF: 85.1/68

In: 157.099+/-44.321 χ^2/NDF:64.3/54

Out: 138.120+/-43.153 χ^2/NDF:119.4/61

All: 147.356+/-30.919 χ^2/NDF: 183.7/116

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 277.224+/-0.045 χ^2/NDF: 1658821.2/31

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 277.066+/-0.044 χ^2/NDF: 2616407.1/36

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

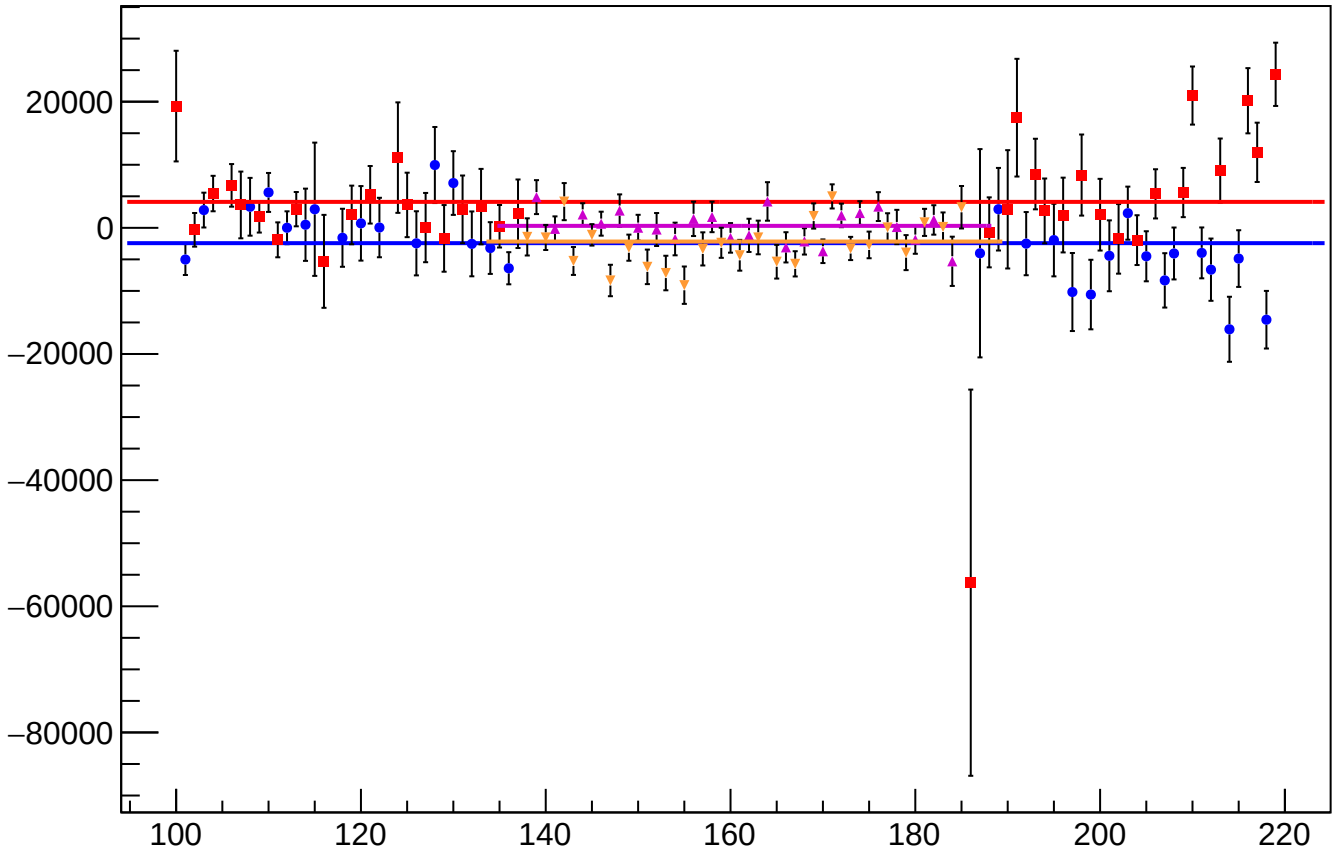
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 277.143+/-0.031 χ^2/NDF: 4275234.6/68

In: 269.786+/-0.031 χ^2/NDF:2383765.7/54

Out: 269.038+/-0.031 χ^2/NDF:3397130.4/61

All: 269.402+/-0.022 χ^2/NDF: 5781188.6/116



Right In: -2428.909+/-751.145 χ^2/NDF: 48.7/31

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: 4115.080+/-726.022 χ^2/NDF: 73.1/36

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

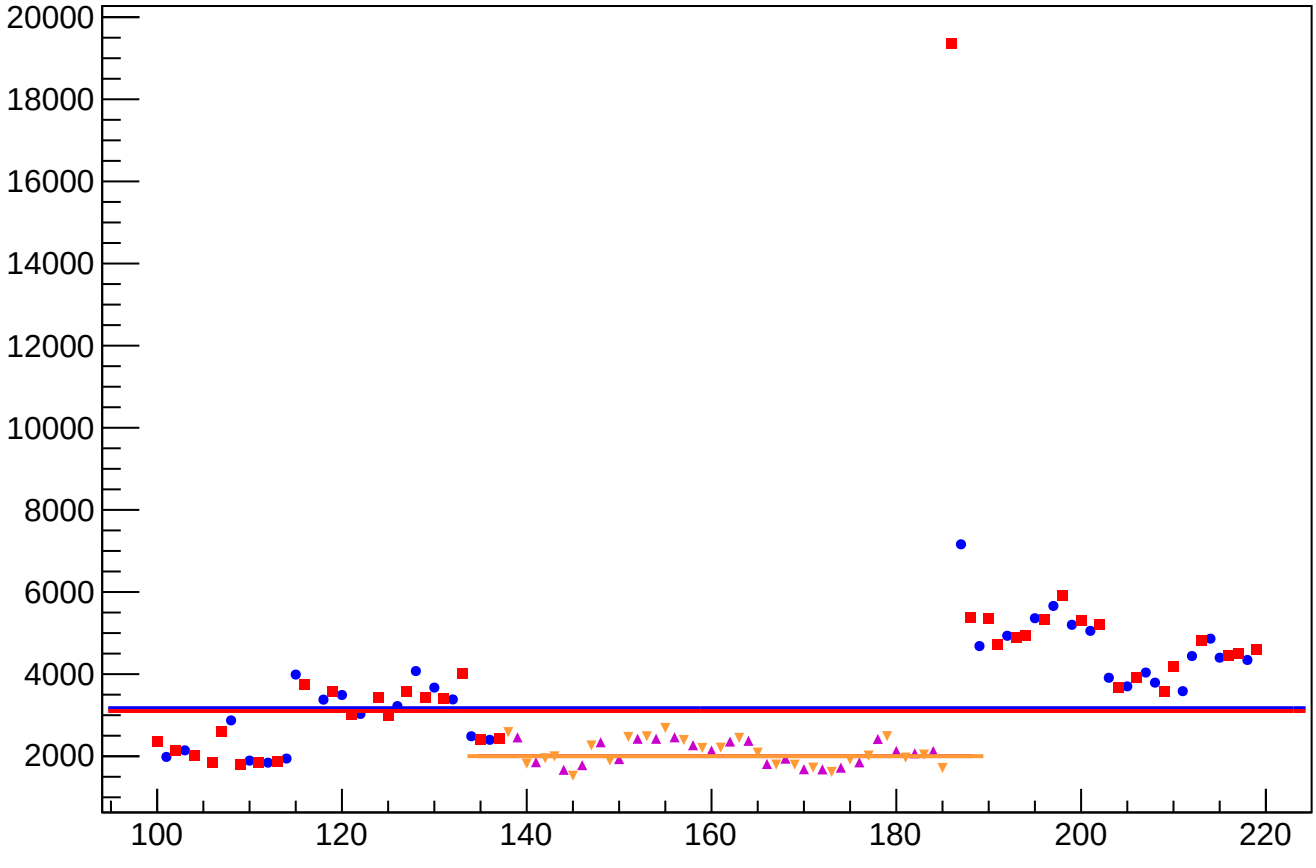
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 954.351+/-522.031 χ^2/NDF: 161.1/68

In: -467.566+/-400.912 χ^2/NDF:81.9/54

Out: -361.766+/-389.564 χ^2/NDF:182.0/61

All: -413.147+/-279.389 χ^2/NDF: 264.0/116



Right In: 3169.837+/-0.531 χ^2/NDF: 4493127.1/31

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 3102.901+/-0.513 χ^2/NDF: 6266191.2/36

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

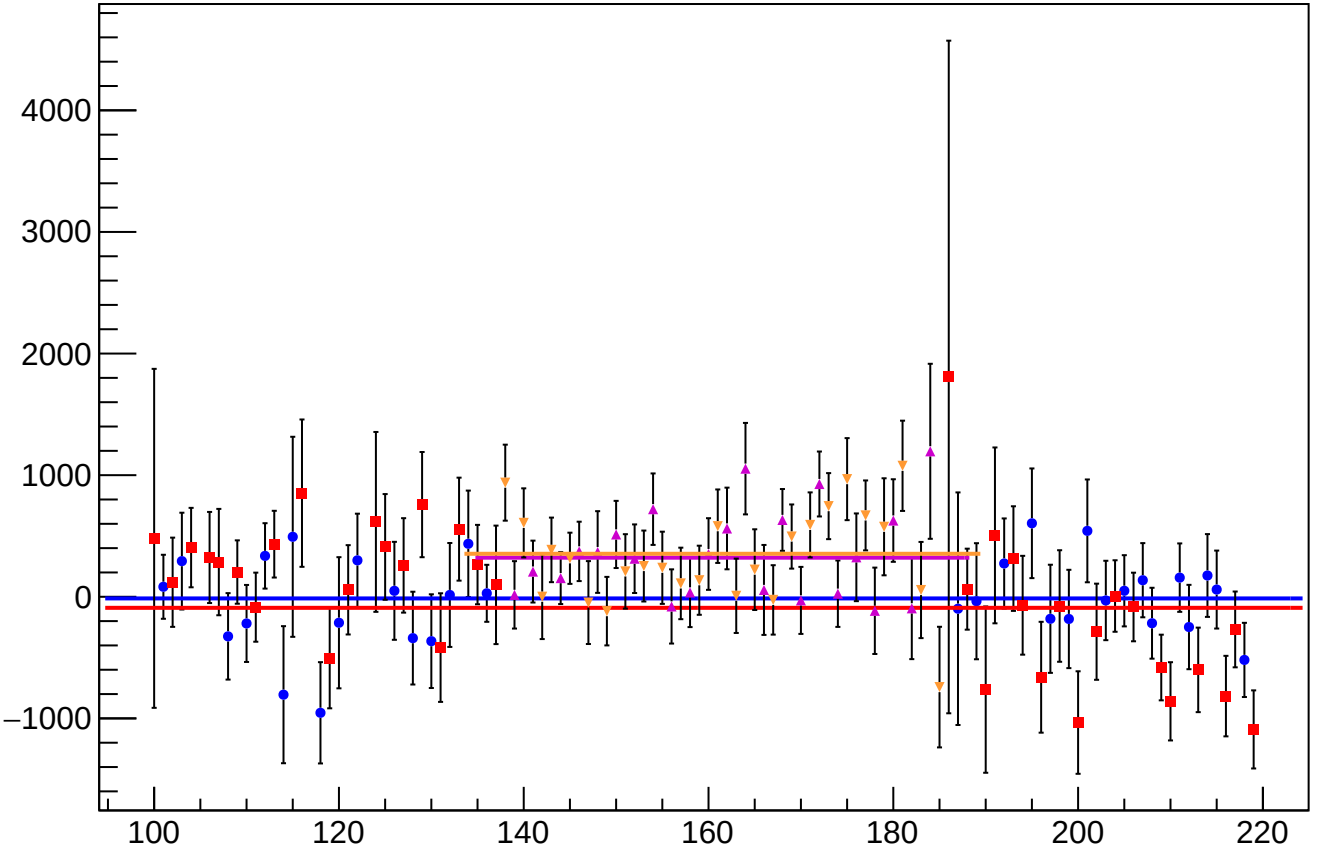
Right: 3135.231+/-0.369 χ^2/NDF: 10767529.4/68

In: 2336.289+/-0.283 χ^2/NDF:8642023.2/54

Out: 2319.125+/-0.275 χ^2/NDF:10432158.3/61

All: 2327.460+/-0.198 χ^2/NDF: 19076067.1/1

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -13.458+/-63.262 χ^2/NDF: 23.8/31

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -90.815+/-61.952 χ^2/NDF: 60.5/36

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

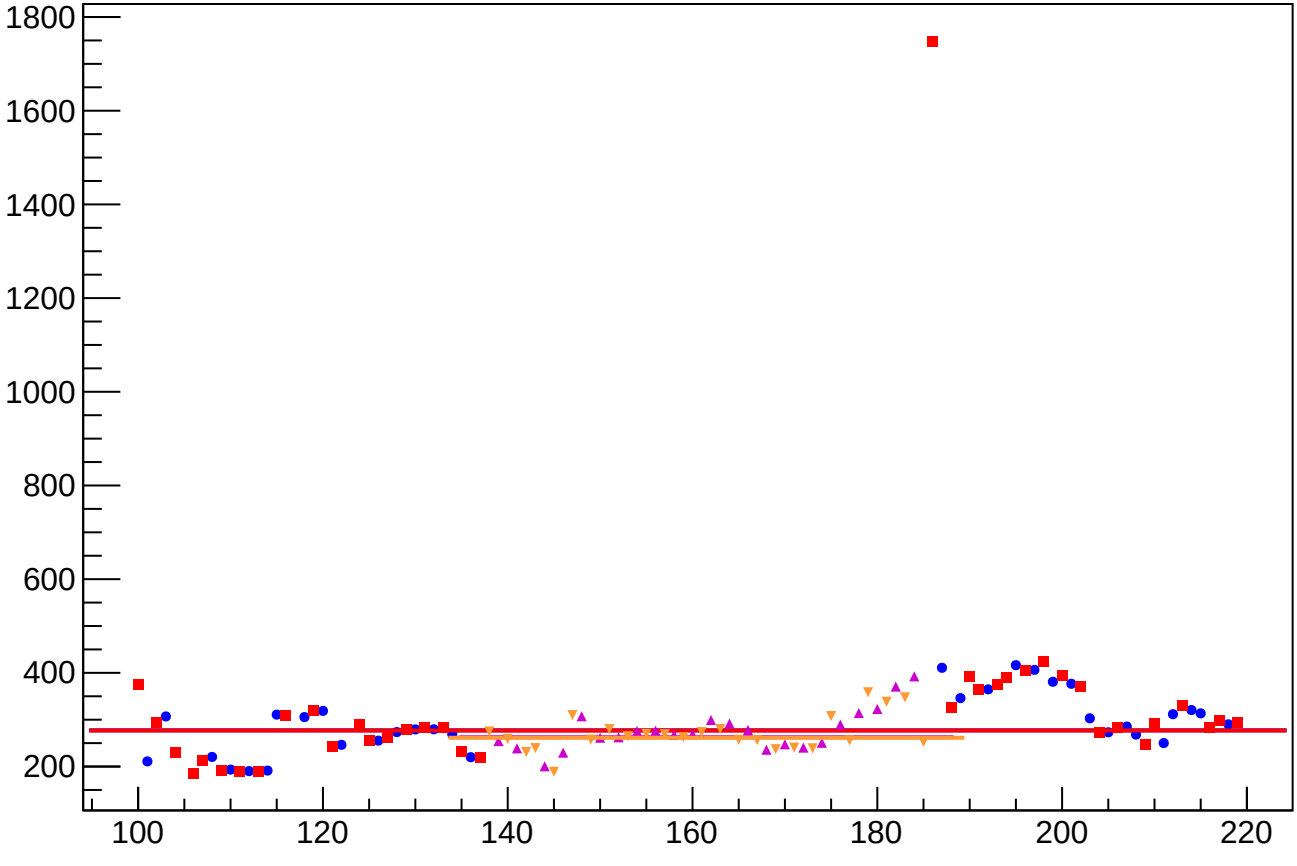
Right: -52.946+/-44.262 χ^2/NDF: 85.1/68

In: 157.097+/-44.321 χ^2/NDF:64.3/54

Out: 137.974+/-43.155 χ^2/NDF:119.3/61

All: 147.281+/-30.919 χ^2/NDF: 183.7/116

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 277.224+/-0.045 χ^2/NDF: 1658822.4/31

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 277.012+/-0.044 χ^2/NDF: 2622446.9/36

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

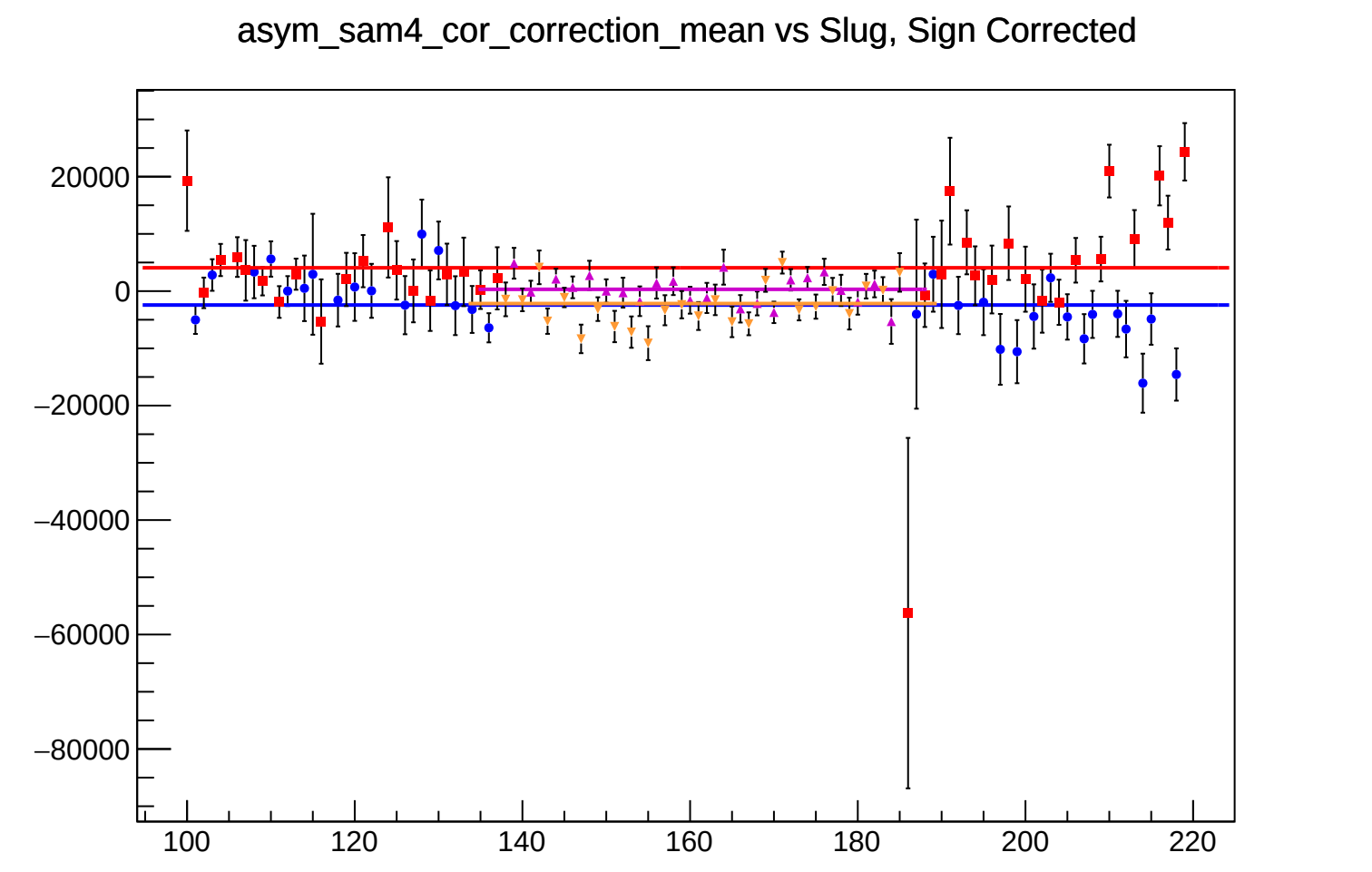
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 277.116+/-0.031 χ^2/NDF: 4281280.8/68

In: 269.786+/-0.031 χ^2/NDF:2383767.2/54

Out: 269.012+/-0.031 χ^2/NDF:3402715.1/61

All: 269.389+/-0.022 χ^2/NDF: 5786796.1/116



Right In: -2429.030+/-751.149 χ^2/NDF: 48.7/31

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 4075.574+/-726.926 χ^2/NDF: 72.7/36

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

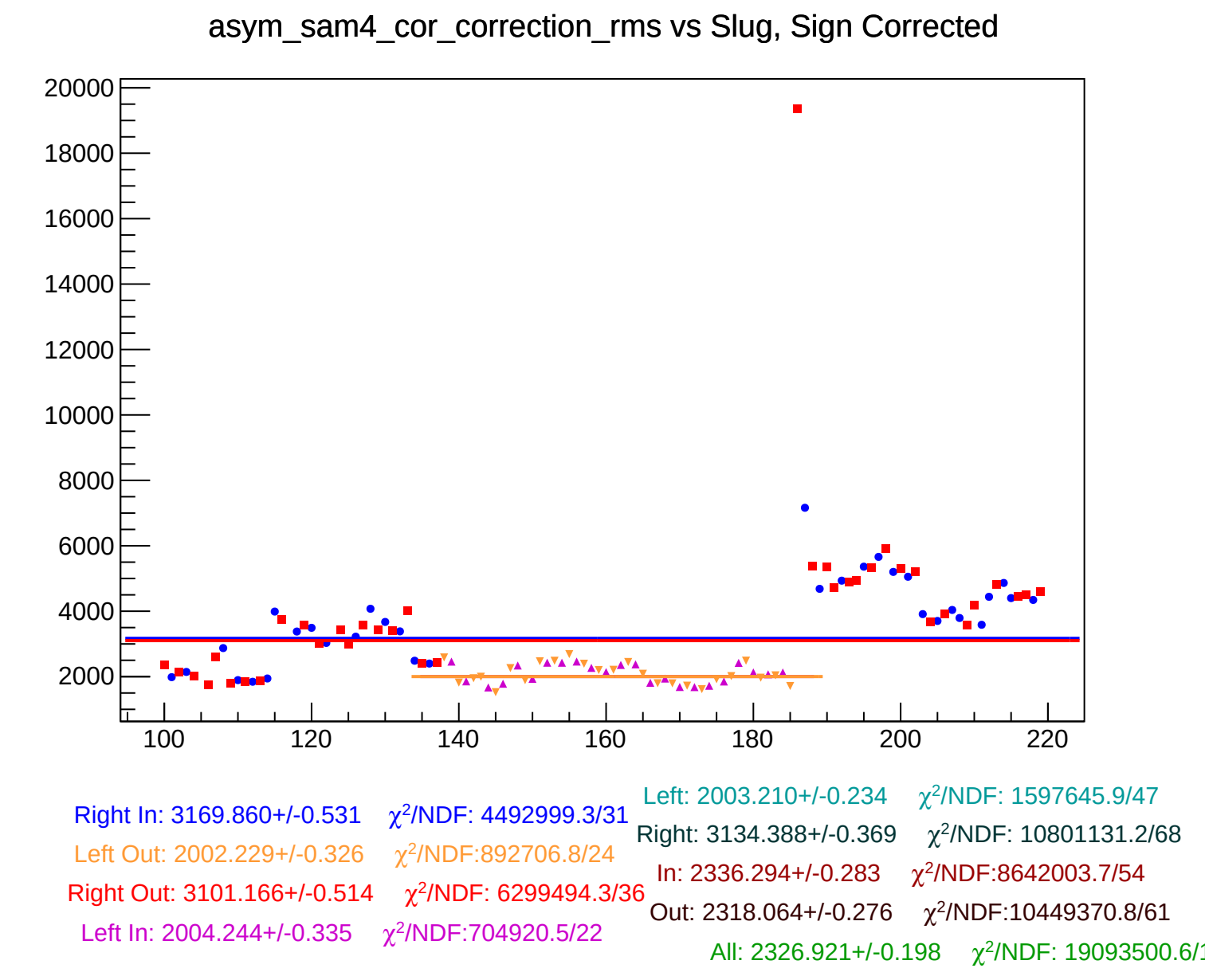
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

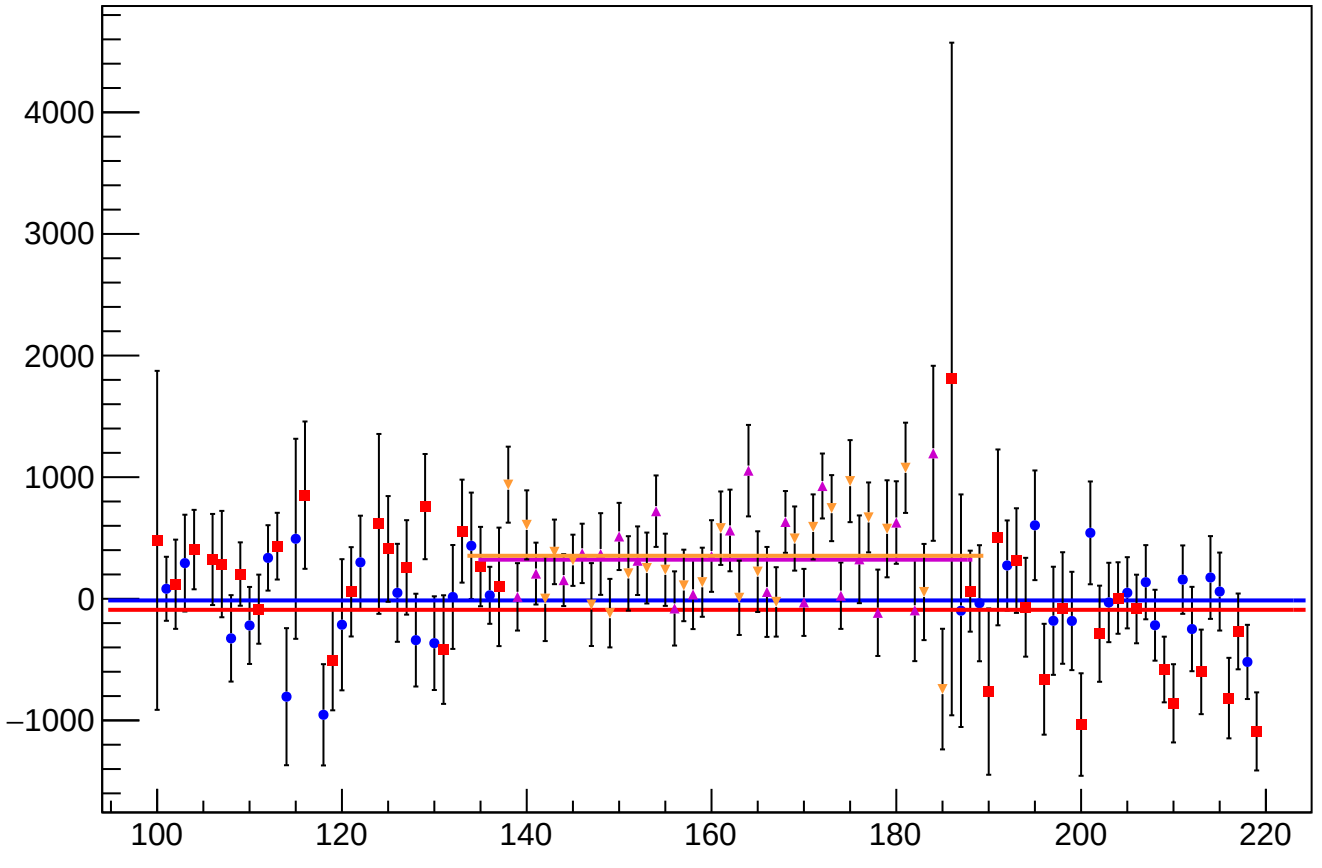
Right: 929.841+/-522.368 χ^2/NDF: 160.2/68

In: -467.590+/-400.912 χ^2/NDF:81.9/54

Out: -376.307+/-389.704 χ^2/NDF:180.9/61

All: -420.655+/-279.441 χ^2/NDF: 262.8/116


asym_sam4_cor_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 3169.860+/-0.531 χ²/NDF: 4492999.3/31
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 3101.166+/-0.514 χ²/NDF: 6299494.3/36
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 3134.388+/-0.369 χ²/NDF: 10801131.2/68
In: 2336.294+/-0.283 χ²/NDF:8642003.7/54
Out: 2318.064+/-0.276 χ²/NDF:10449370.8/61
All: 2326.921+/-0.198 χ²/NDF: 19093500.6/



Right In: -13.458+/-63.262 χ^2/NDF: 23.8/31

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -90.815+/-61.952 χ^2/NDF: 60.5/36

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

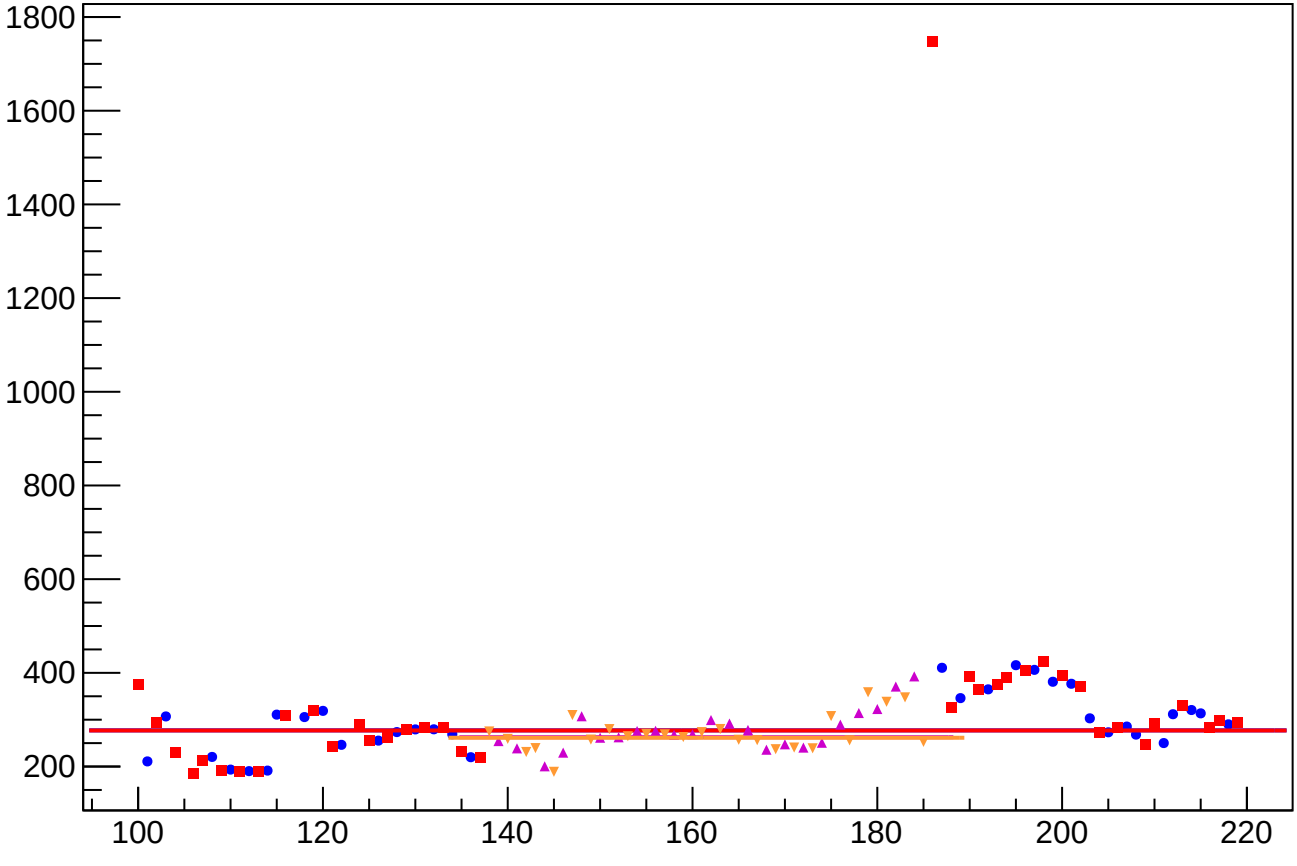
Right: -52.946+/-44.262 χ^2/NDF: 85.1/68

In: 157.097+/-44.321 χ^2/NDF:64.3/54

Out: 137.974+/-43.155 χ^2/NDF:119.3/61

All: 147.281+/-30.919 χ^2/NDF: 183.7/116

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 277.224+/-0.045 χ^2/NDF: 1658822.4/31

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 277.012+/-0.044 χ^2/NDF: 2622446.9/36

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

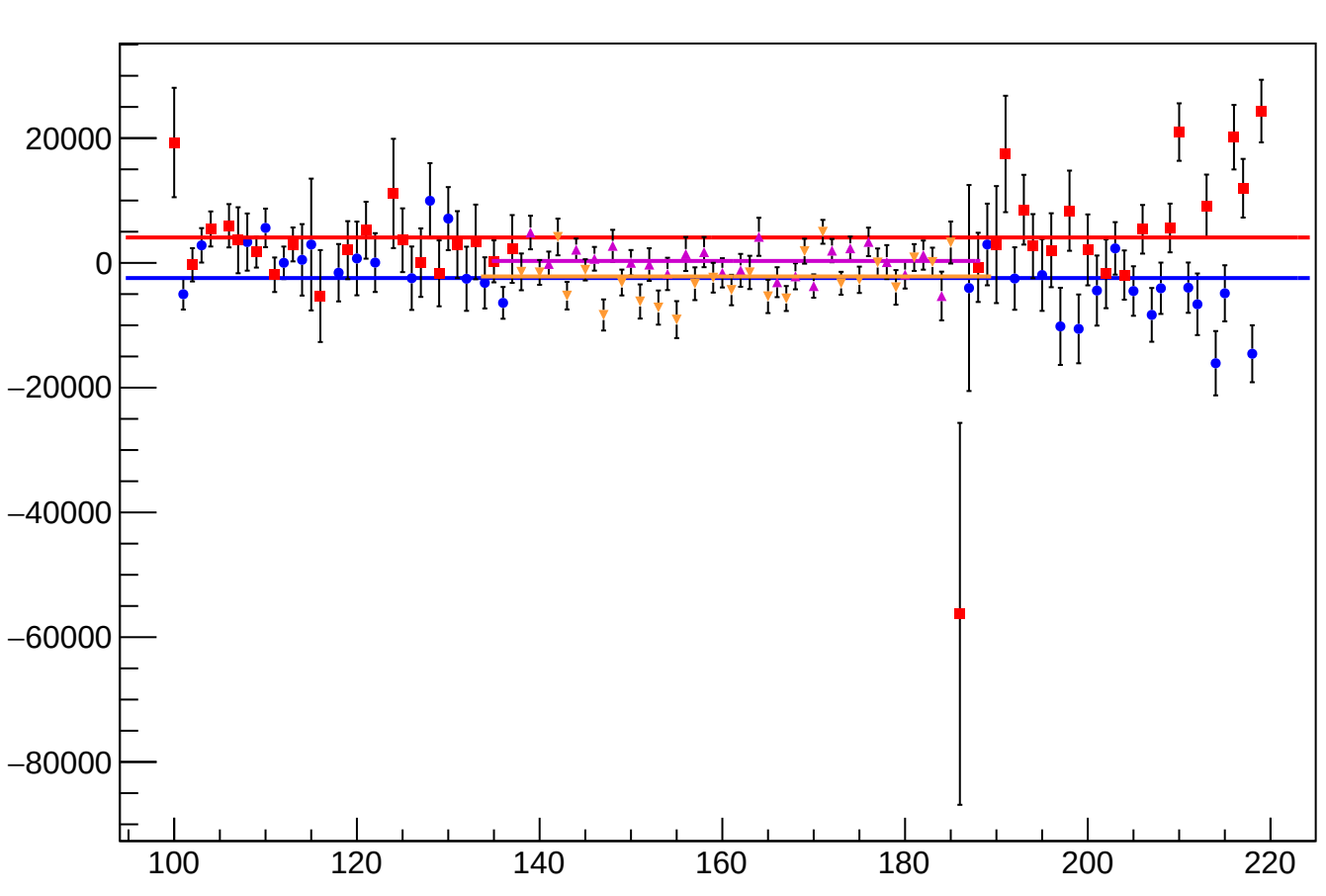
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 277.116+/-0.031 χ^2/NDF: 4281280.8/68

In: 269.786+/-0.031 χ^2/NDF:2383767.2/54

Out: 269.012+/-0.031 χ^2/NDF:3402715.1/61

All: 269.389+/-0.022 χ^2/NDF: 5786796.1/116



Right In: -2429.030+/-751.149 χ^2/NDF: 48.7/31

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 4075.574+/-726.926 χ^2/NDF: 72.7/36

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

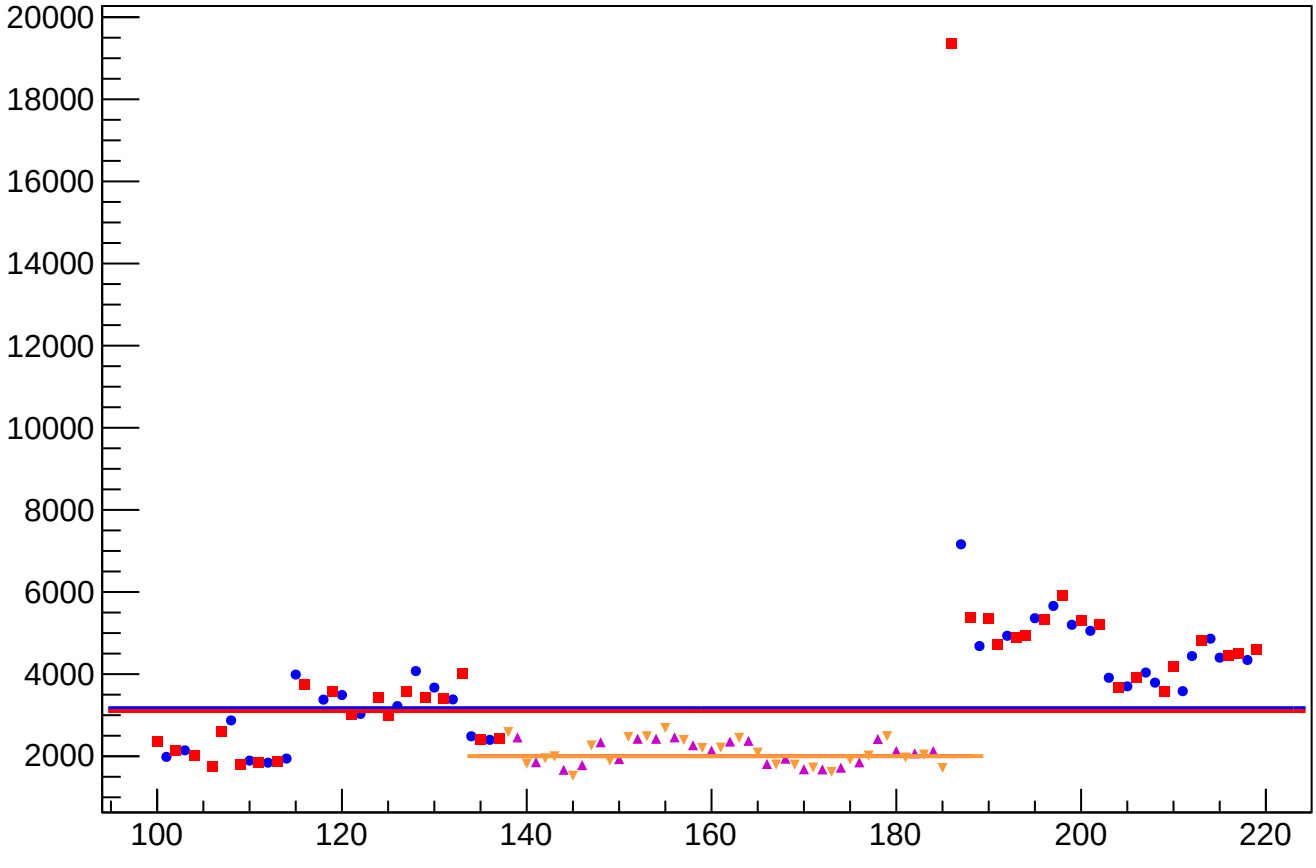
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 929.841+/-522.368 χ^2/NDF: 160.2/68

In: -467.590+/-400.912 χ^2/NDF:81.9/54

Out: -376.307+/-389.704 χ^2/NDF:180.9/61

All: -420.655+/-279.441 χ^2/NDF: 262.8/116



Right In: 3169.860+/-0.531 χ^2/NDF: 4492999.3/31

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 3101.166+/-0.514 χ^2/NDF: 6299494.3/36

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

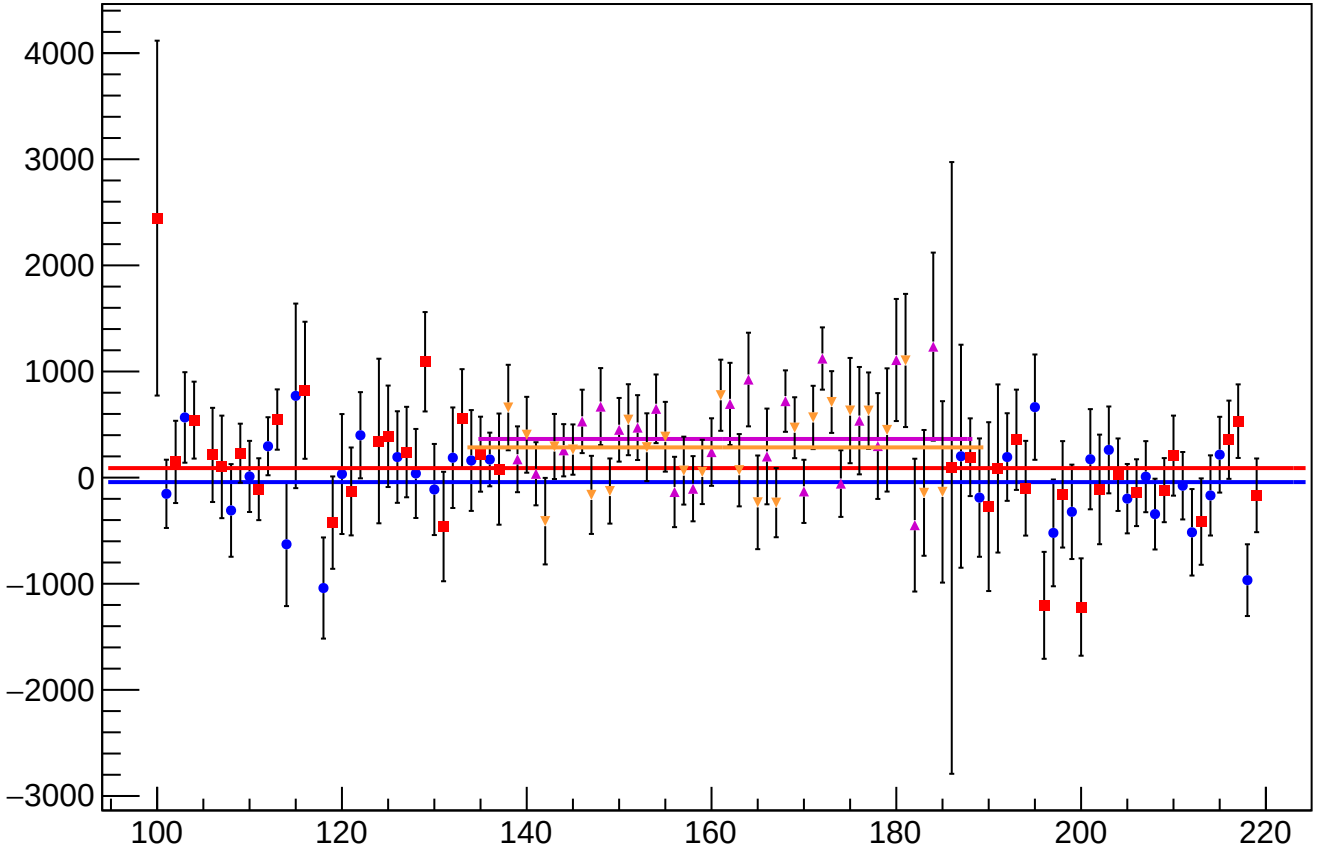
Right: 3134.388+/-0.369 χ^2/NDF: 10801131.2/68

In: 2336.294+/-0.283 χ^2/NDF:8642003.7/54

Out: 2318.064+/-0.276 χ^2/NDF:10449370.8/61

All: 2326.921+/-0.198 χ^2/NDF: 19093500.6/

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: -42.279+/-70.384 χ^2/NDF: 28.1/31

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: 89.703+/-68.361 χ^2/NDF: 38.7/36

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

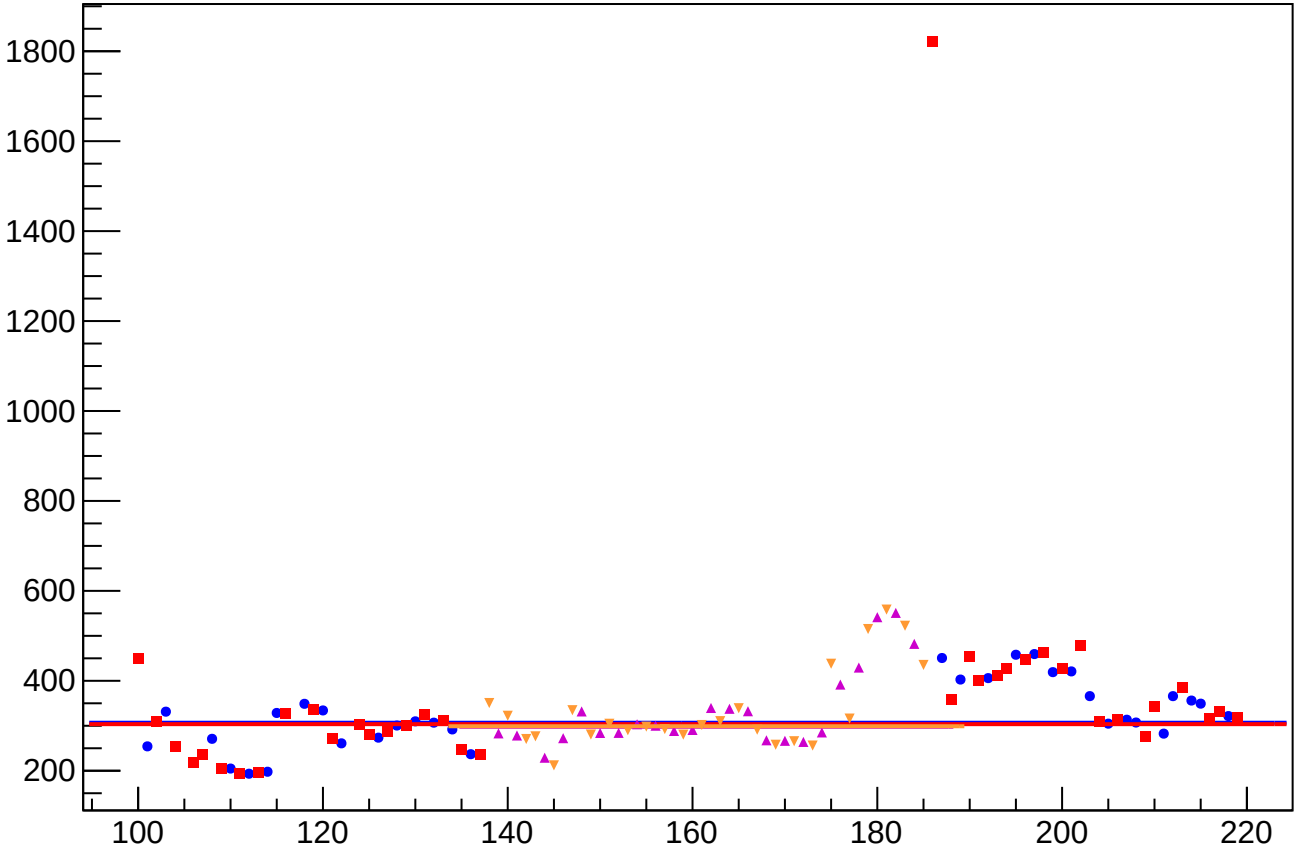
Right: 25.635+/-49.038 χ^2/NDF: 68.6/68

In: 157.139+/-50.232 χ^2/NDF:72.7/54

Out: 184.946+/-48.920 χ^2/NDF:65.5/61

All: 171.410+/-35.047 χ^2/NDF: 138.3/116

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 306.780+/-0.050 χ^2/NDF: 1876317.6/31

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 303.589+/-0.048 χ^2/NDF: 2955513.3/36

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

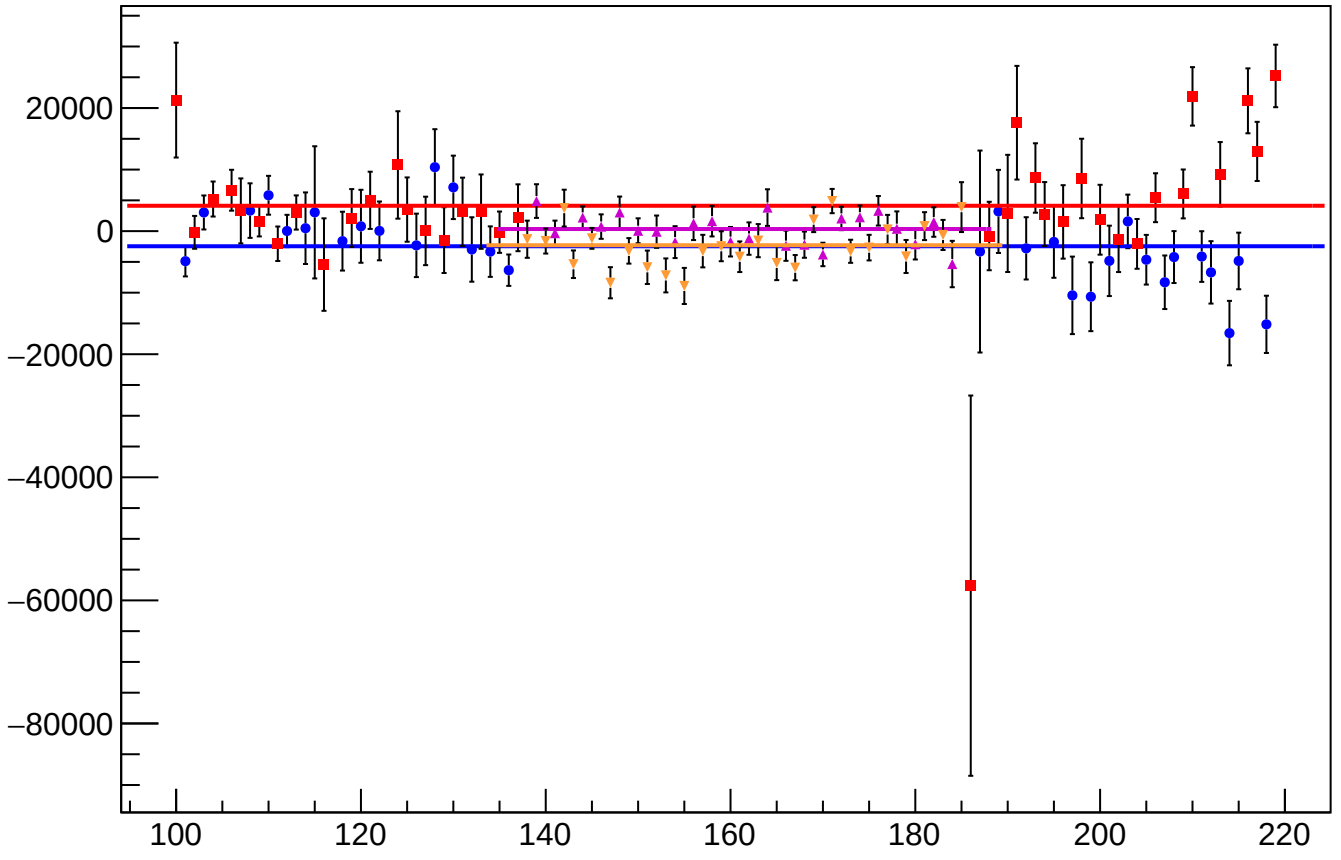
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 305.138+/-0.035 χ^2/NDF: 4833947.2/68

In: 302.416+/-0.036 χ^2/NDF:3211052.6/54

Out: 301.320+/-0.035 χ^2/NDF:4573106.7/61

All: 301.853+/-0.025 χ^2/NDF: 7784648.3/116



Right In: -2457.898+/-760.453 χ^2/NDF: 49.3/31

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 4121.180+/-733.093 χ^2/NDF: 76.9/36

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

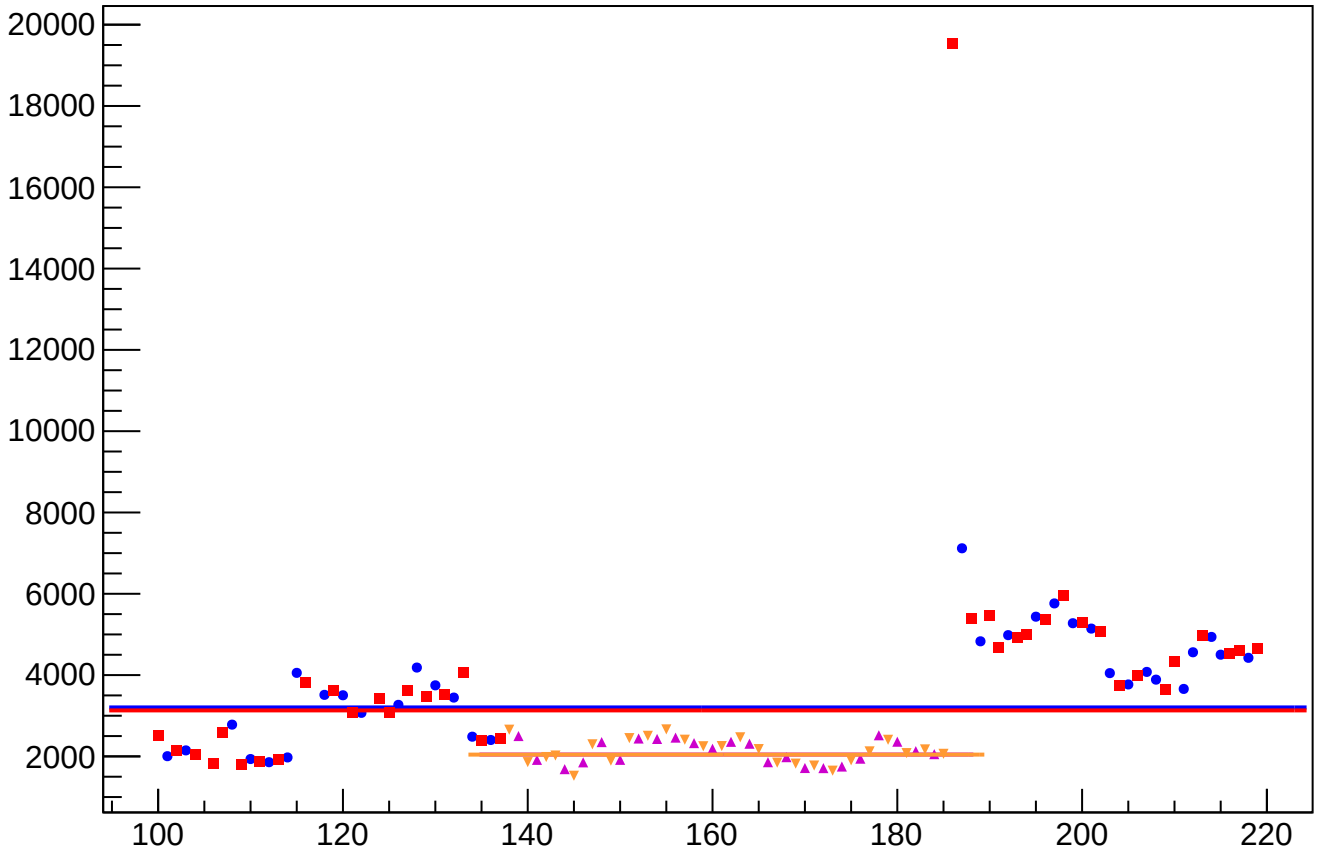
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 952.122+/-527.782 χ^2/NDF: 165.0/68

In: -463.837+/-408.077 χ^2/NDF:81.8/54

Out: -420.212+/-395.975 χ^2/NDF:182.7/61

All: -441.368+/-284.179 χ^2/NDF: 264.5/116


asym_sam4_dit_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
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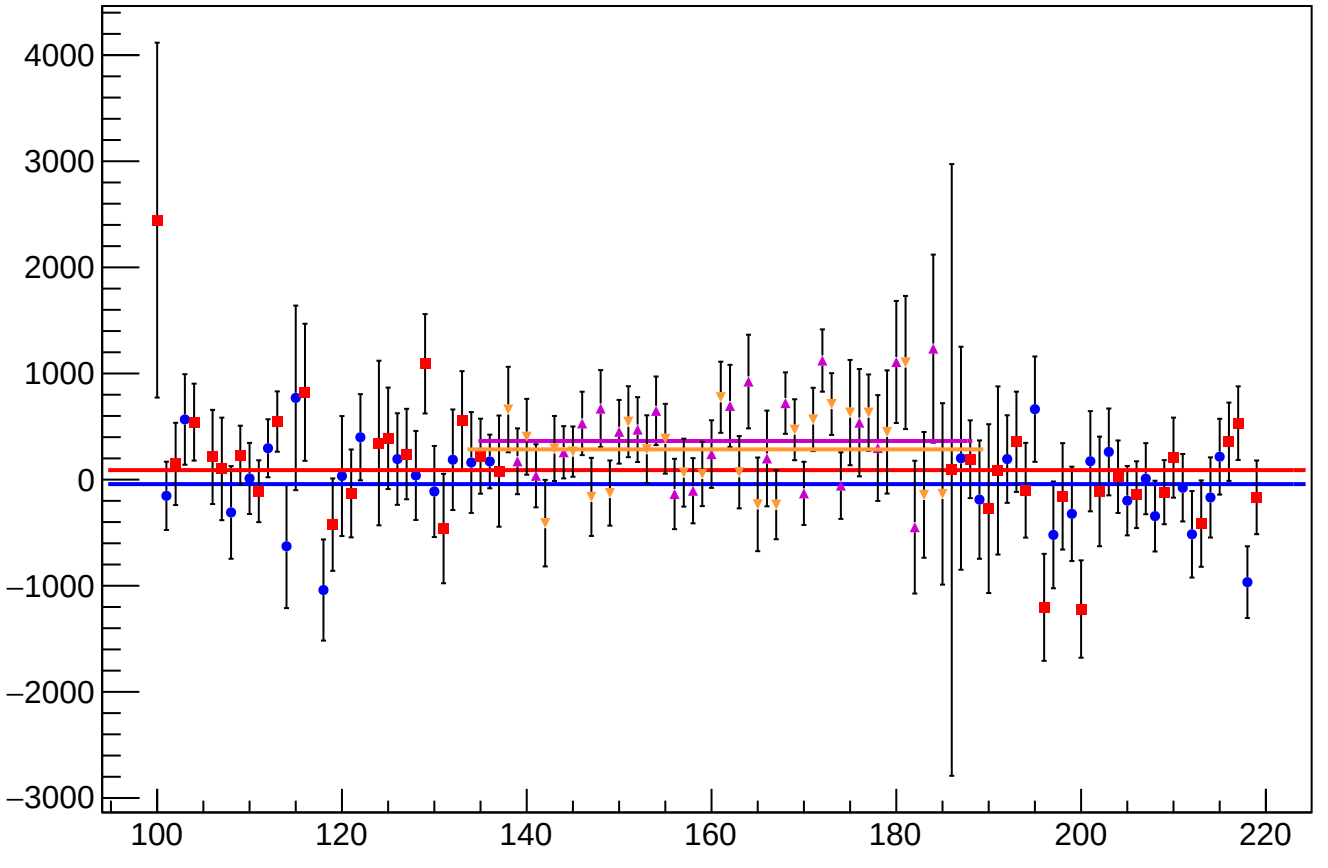
4000
2000
100
120
140
160
180
200
220
Right In: 3204.511+/-0.538 χ²/NDF: 4621275.2/31
Left Out: 2043.746+/-0.333 χ²/NDF:853391.4/24
Right Out: 3131.322+/-0.518 χ²/NDF: 6323659.8/36
Left In: 2045.178+/-0.342 χ²/NDF:690219.7/22
Left: 2044.442+/-0.238 χ²/NDF: 1543620.1/47
Right: 3166.576+/-0.373 χ²/NDF: 10954537.2/68
In: 2379.024+/-0.289 χ²/NDF:8621304.9/54
Out: 2361.051+/-0.280 χ²/NDF:10294614.0/61
All: 2369.767+/-0.201 χ²/NDF: 18917917.2/1



Right In: -42.273+/-70.384 χ^2/NDF: 28.1/31

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 89.696+/-68.361 χ^2/NDF: 38.7/36

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

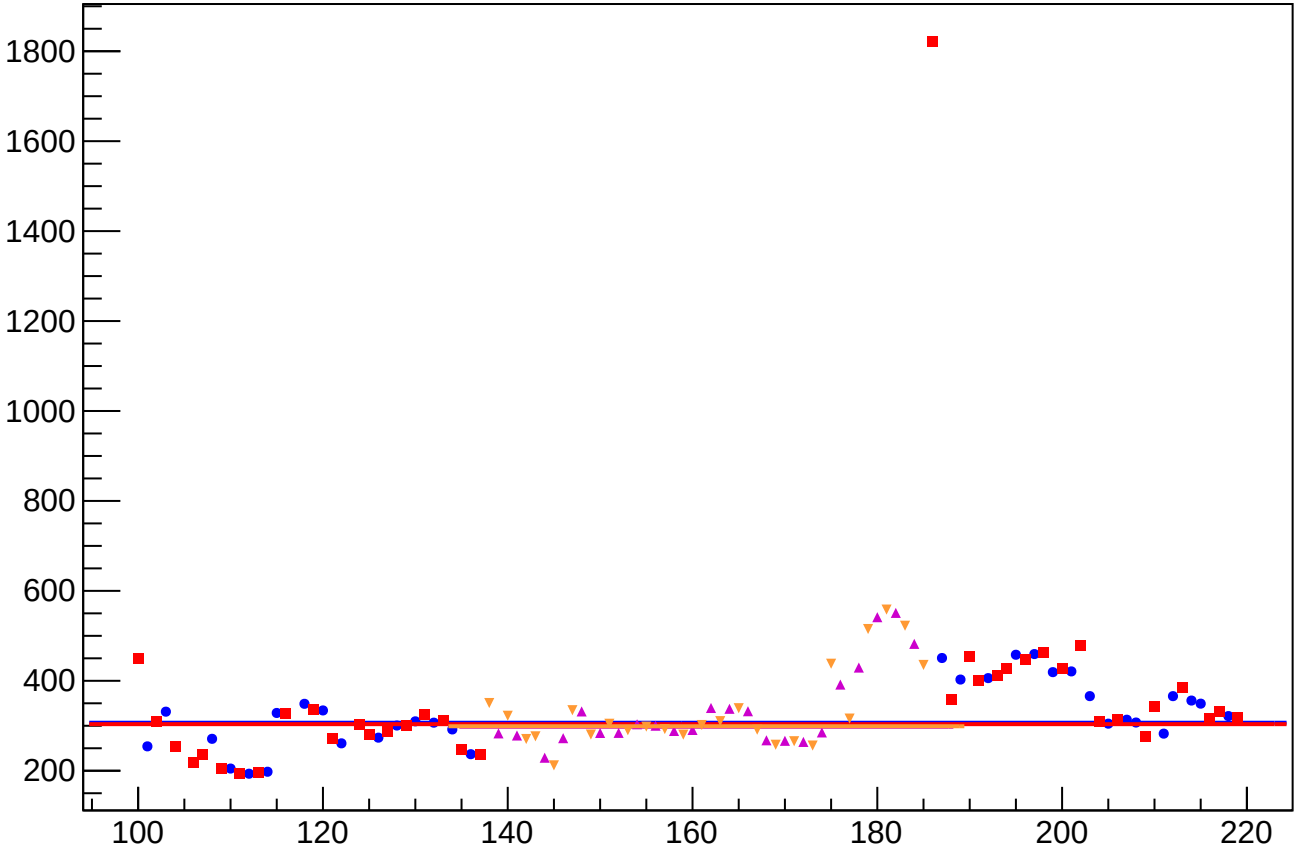
Right: 25.635+/-49.038 χ^2/NDF: 68.6/68

In: 157.142+/-50.232 χ^2/NDF:72.7/54

Out: 184.944+/-48.920 χ^2/NDF:65.5/61

All: 171.411+/-35.047 χ^2/NDF: 138.3/116

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 306.780+/-0.050 χ^2/NDF: 1876297.4/31

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 303.588+/-0.048 χ^2/NDF: 2955514.0/36

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

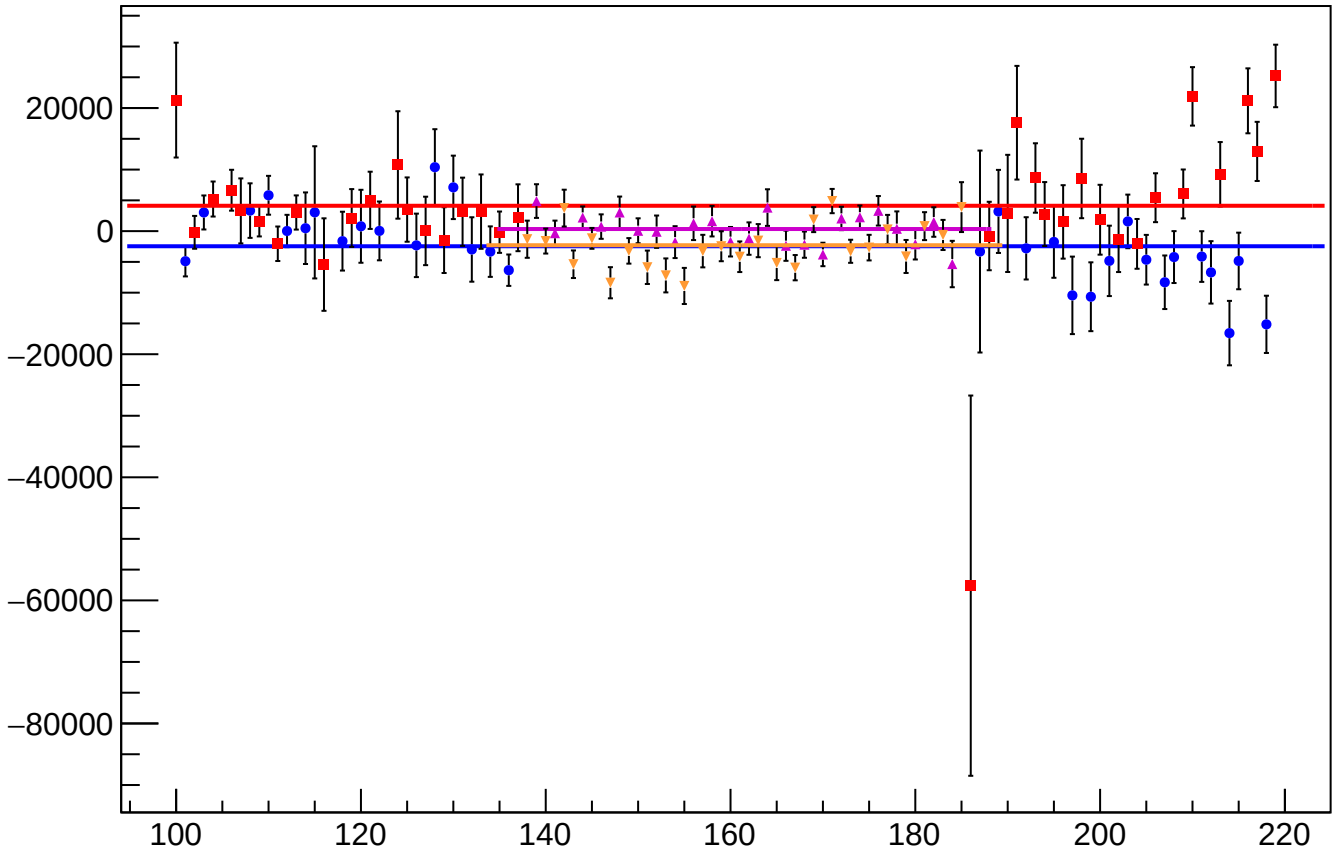
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 305.138+/-0.035 χ^2/NDF: 4833927.7/68

In: 302.416+/-0.036 χ^2/NDF:3211012.7/54

Out: 301.320+/-0.035 χ^2/NDF:4573103.9/61

All: 301.853+/-0.025 χ^2/NDF: 7784605.6/116



Right In: -2457.896+/-760.452 χ^2/NDF: 49.3/31

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: 4121.175+/-733.092 χ^2/NDF: 76.9/36

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

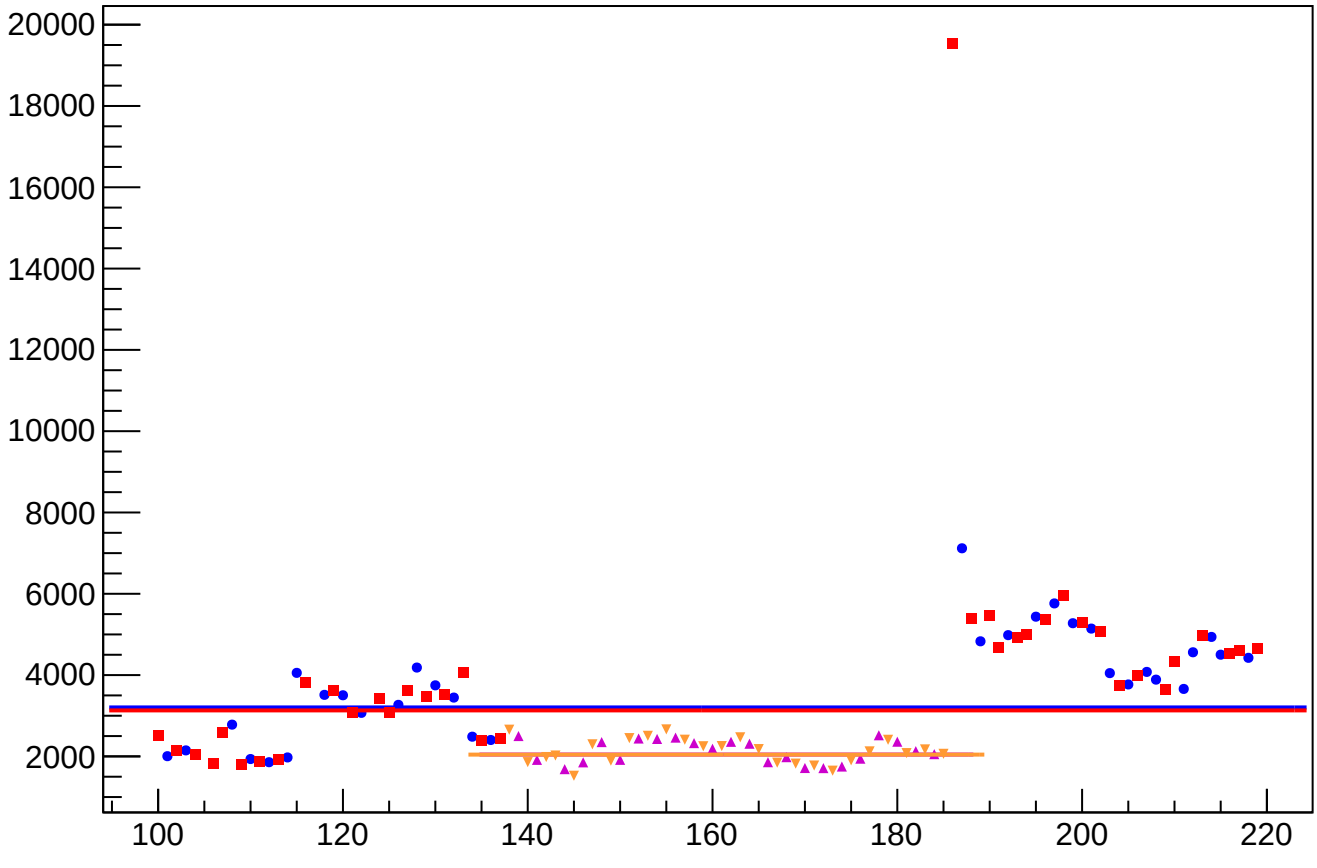
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 952.121+/-527.782 χ^2/NDF: 165.0/68

In: -463.837+/-408.076 χ^2/NDF:81.8/54

Out: -420.212+/-395.974 χ^2/NDF:182.7/61

All: -441.368+/-284.178 χ^2/NDF: 264.5/116



Right In: 3204.509+/-0.538 χ^2/NDF: 4621272.1/31

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 3131.319+/-0.518 χ^2/NDF: 6323654.8/36

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

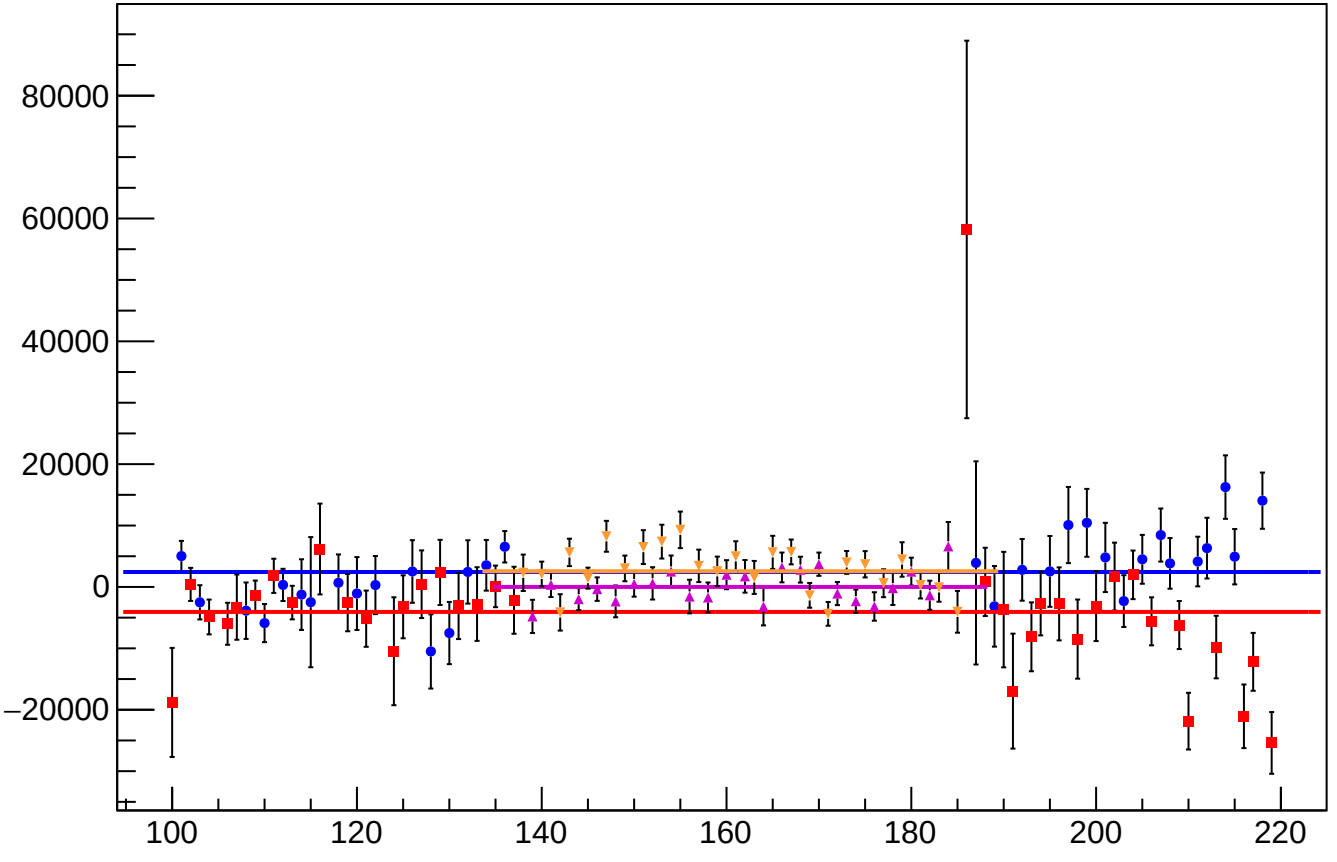
Right: 3166.574+/-0.373 χ^2/NDF: 10954529.1/68

In: 2379.022+/-0.289 χ^2/NDF:8621310.2/54

Out: 2361.048+/-0.280 χ^2/NDF:10294622.1/61

All: 2369.764+/-0.201 χ^2/NDF: 18917930.7/1

asym_sam4_mean vs Slug, Sign Corrected



Right In: 2433.993+/-754.527 χ^2/NDF: 49.2/31

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -4066.026+/-729.621 χ^2/NDF: 78.0/36

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

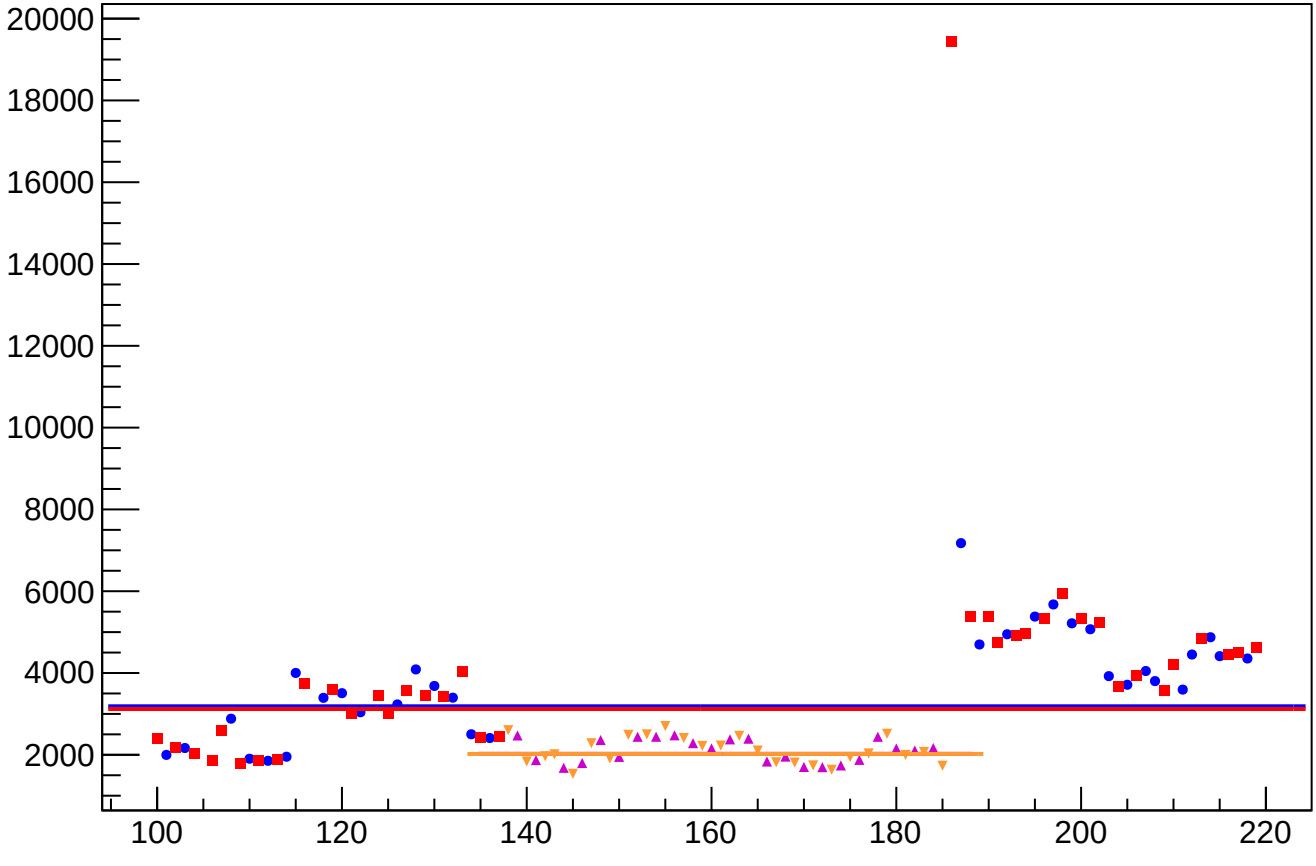
Right: -925.066+/-524.504 χ^2/NDF: 165.5/68

In: 700.628+/-404.101 χ^2/NDF:81.2/54

Out: 639.870+/-392.699 χ^2/NDF:189.2/61

All: 669.380+/-281.625 χ^2/NDF: 270.4/116

asym_sam4_rms vs Slug, Sign Corrected



Right In: 3185.927+/-0.534 χ^2/NDF: 4453528.1/31

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 3120.108+/-0.516 χ^2/NDF: 6215771.5/36

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

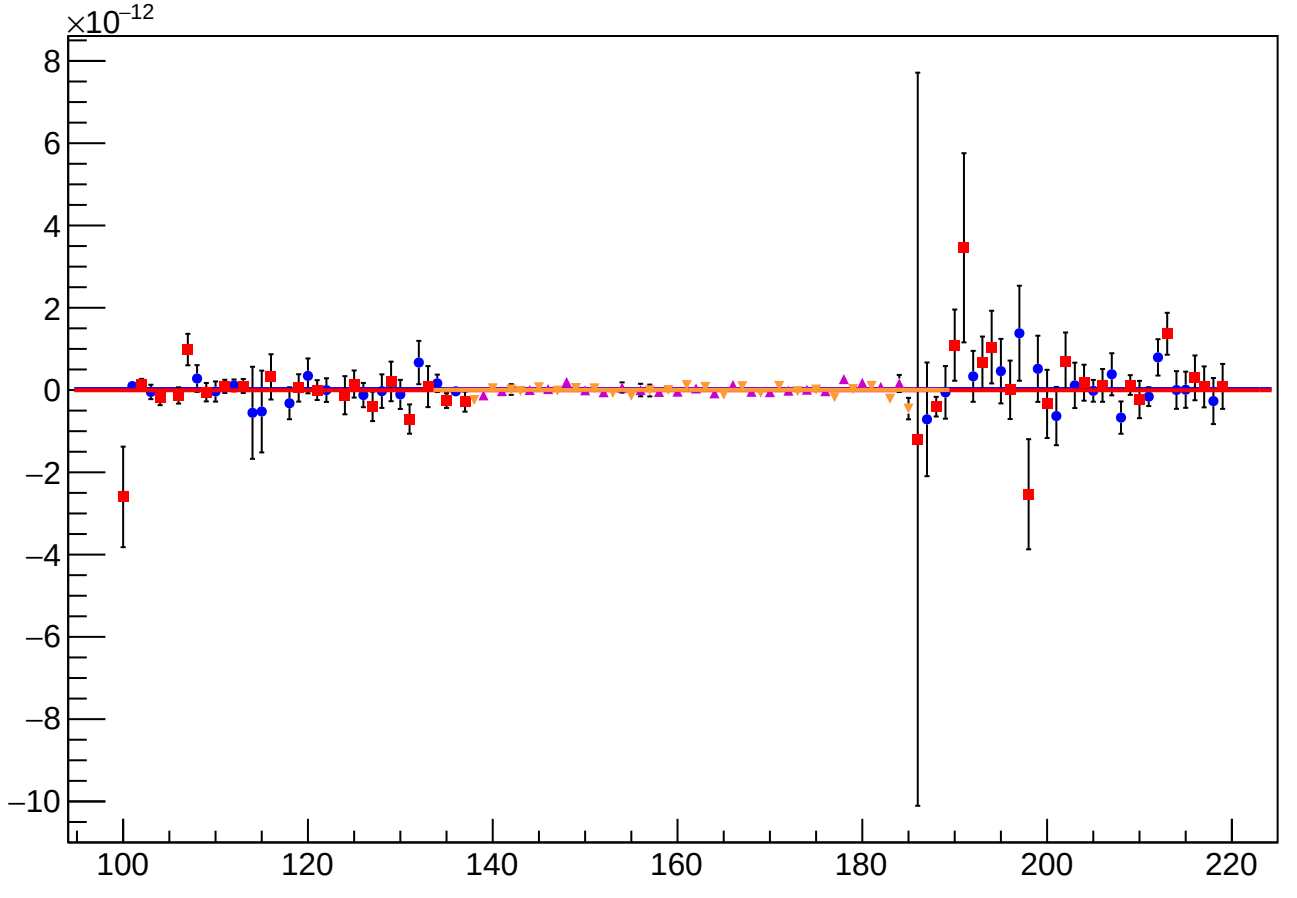
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 3151.913+/-0.371 χ^2/NDF: 10677164.5/68

In: 2356.769+/-0.286 χ^2/NDF:8536187.5/54

Out: 2339.583+/-0.278 χ^2/NDF:10319377.9/61

All: 2347.930+/-0.199 χ^2/NDF: 18857425.8/1



Right In: 0.000+/-0.000 χ^2/NDF: 17.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.7/36

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

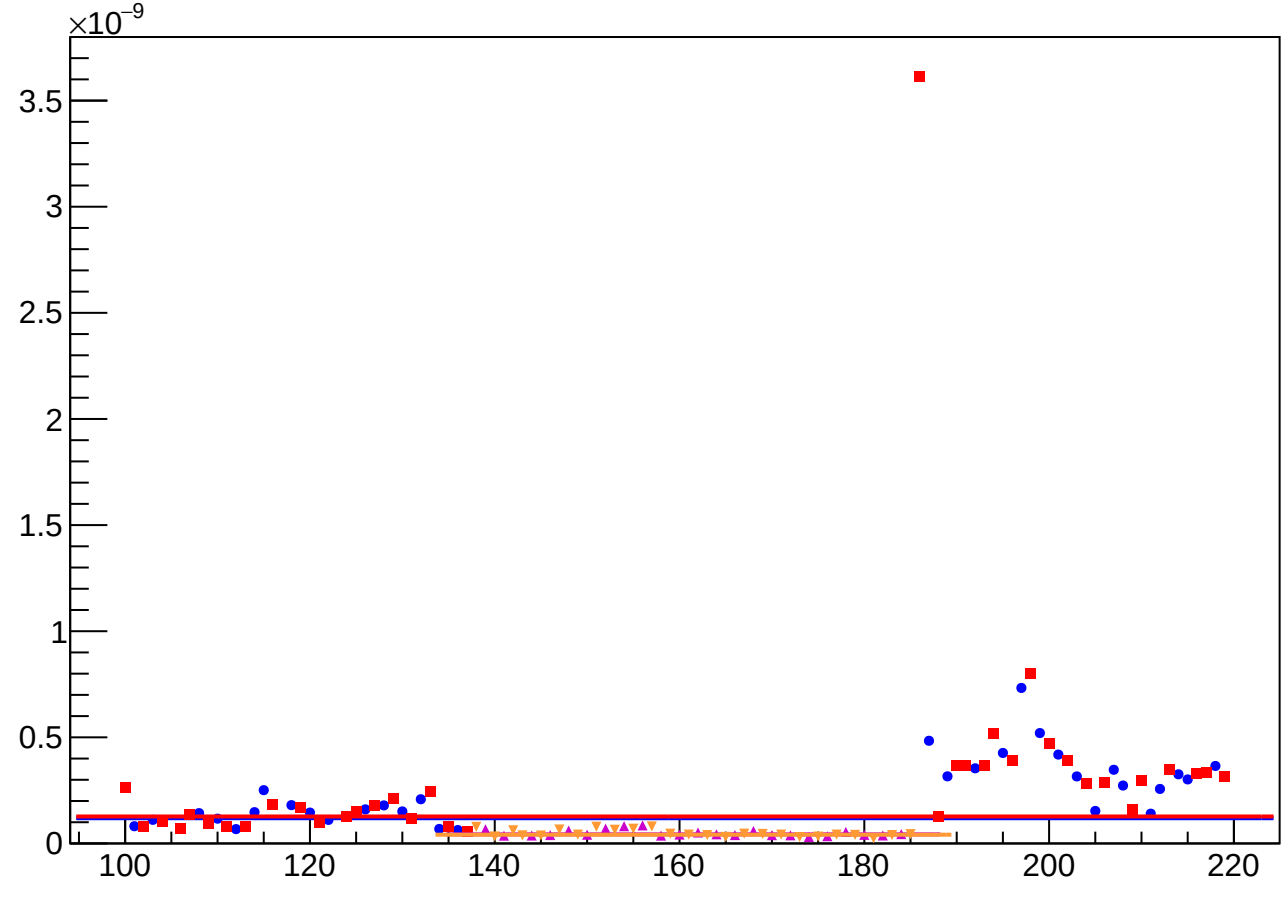
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 63.1/68

In: 0.000+/-0.000 χ^2/NDF:38.1/54

Out: 0.000+/-0.000 χ^2/NDF:77.8/61

All: 0.000+/-0.000 χ^2/NDF: 116.2/116



Right In: 0.000+/-0.000 χ^2/NDF: 6205256.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6155754.5/36

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

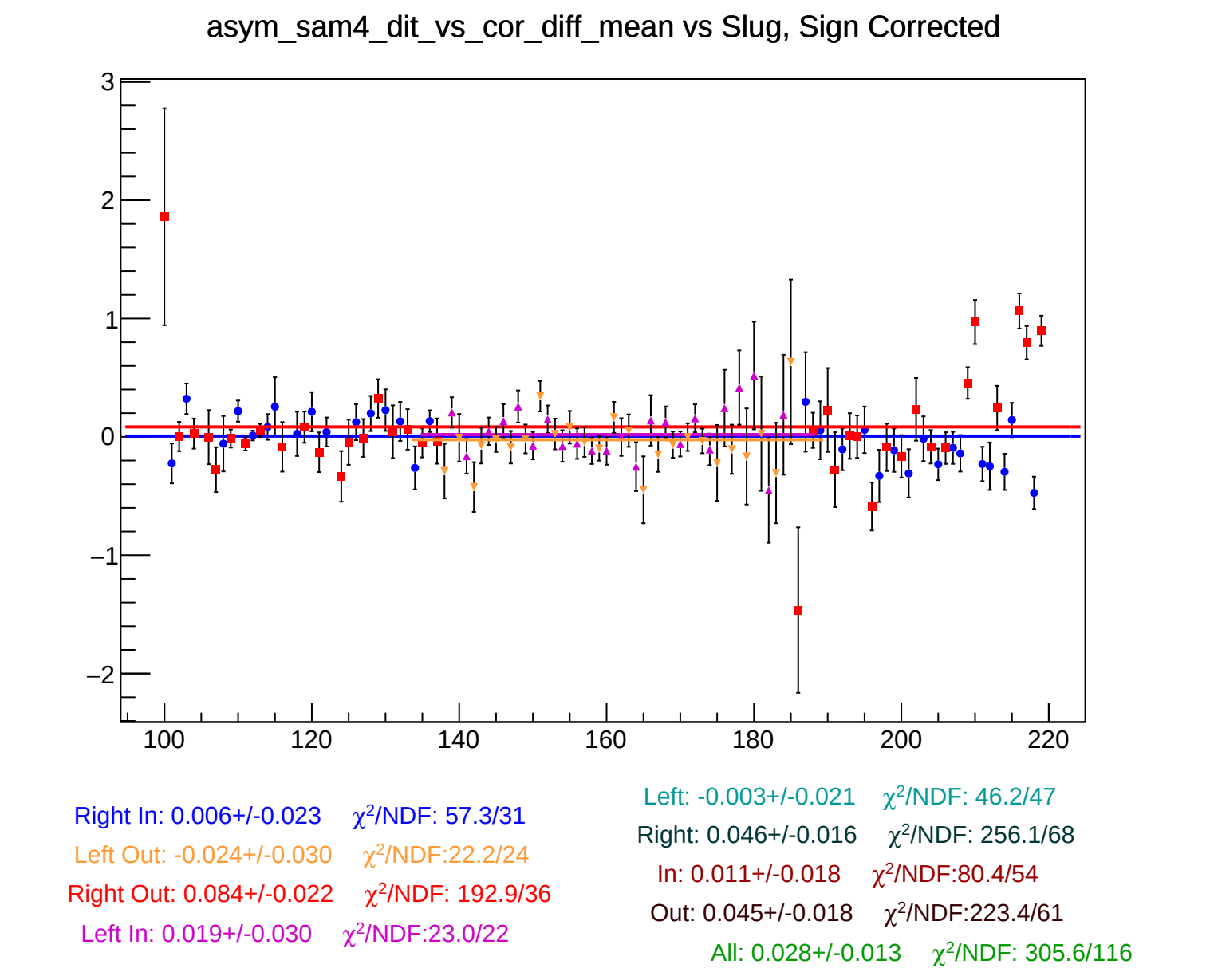
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

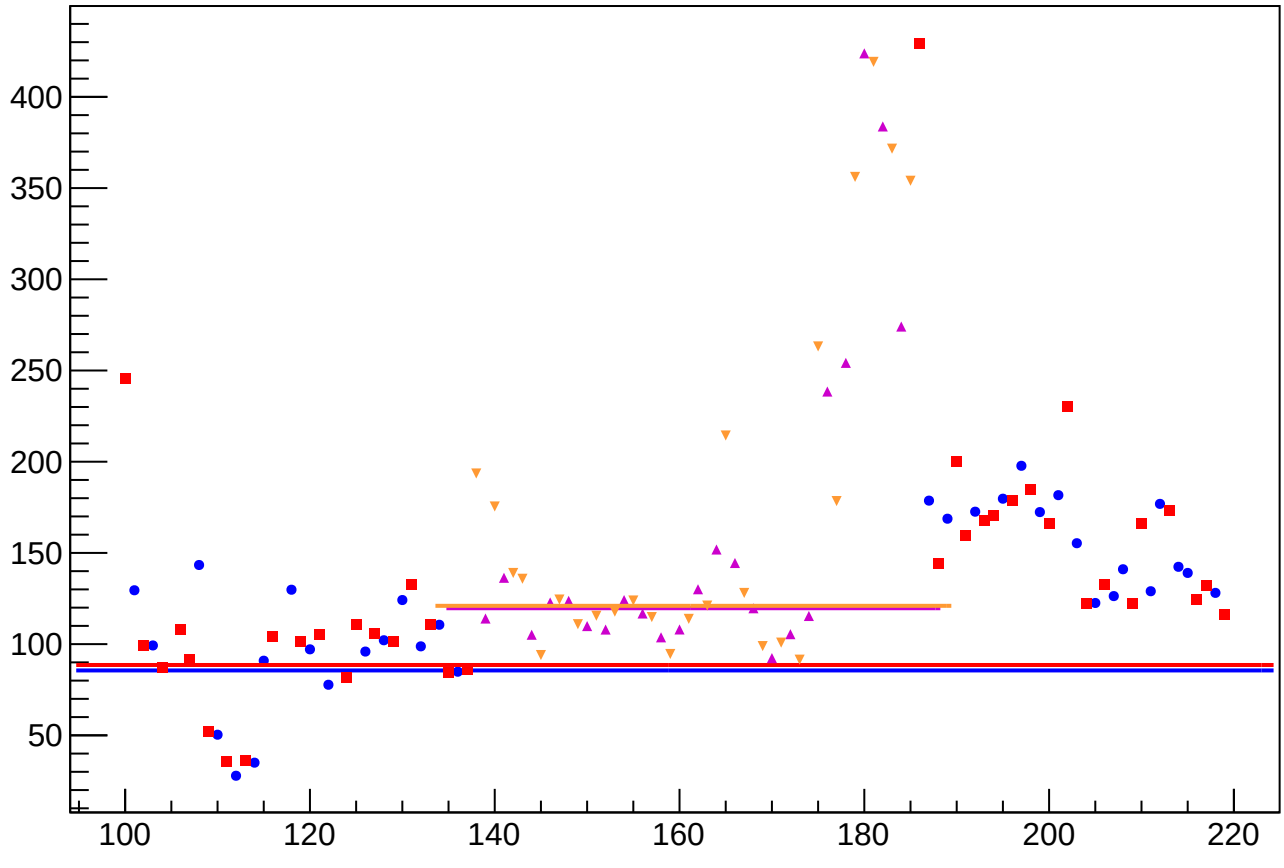
Right: 0.000+/-0.000 χ^2/NDF: 12389154.8/68

In: 0.000+/-0.000 χ^2/NDF:11632599.8/54

Out: 0.000+/-0.000 χ^2/NDF:12707446.4/61

All: 0.000+/-0.000 χ^2/NDF: 24363456.7/116


asym_sam4_dit_vs_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.006+/-0.023 χ²/NDF: 57.3/31
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: 0.084+/-0.022 χ²/NDF: 192.9/36
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.046+/-0.016 χ²/NDF: 256.1/68
In: 0.011+/-0.018 χ²/NDF:80.4/54
Out: 0.045+/-0.018 χ²/NDF:223.4/61
All: 0.028+/-0.013 χ²/NDF: 305.6/116



Right In: 85.575+/-0.016 χ^2/NDF: 10158294.9/31

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 88.566+/-0.016 χ^2/NDF: 9621306.1/36

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

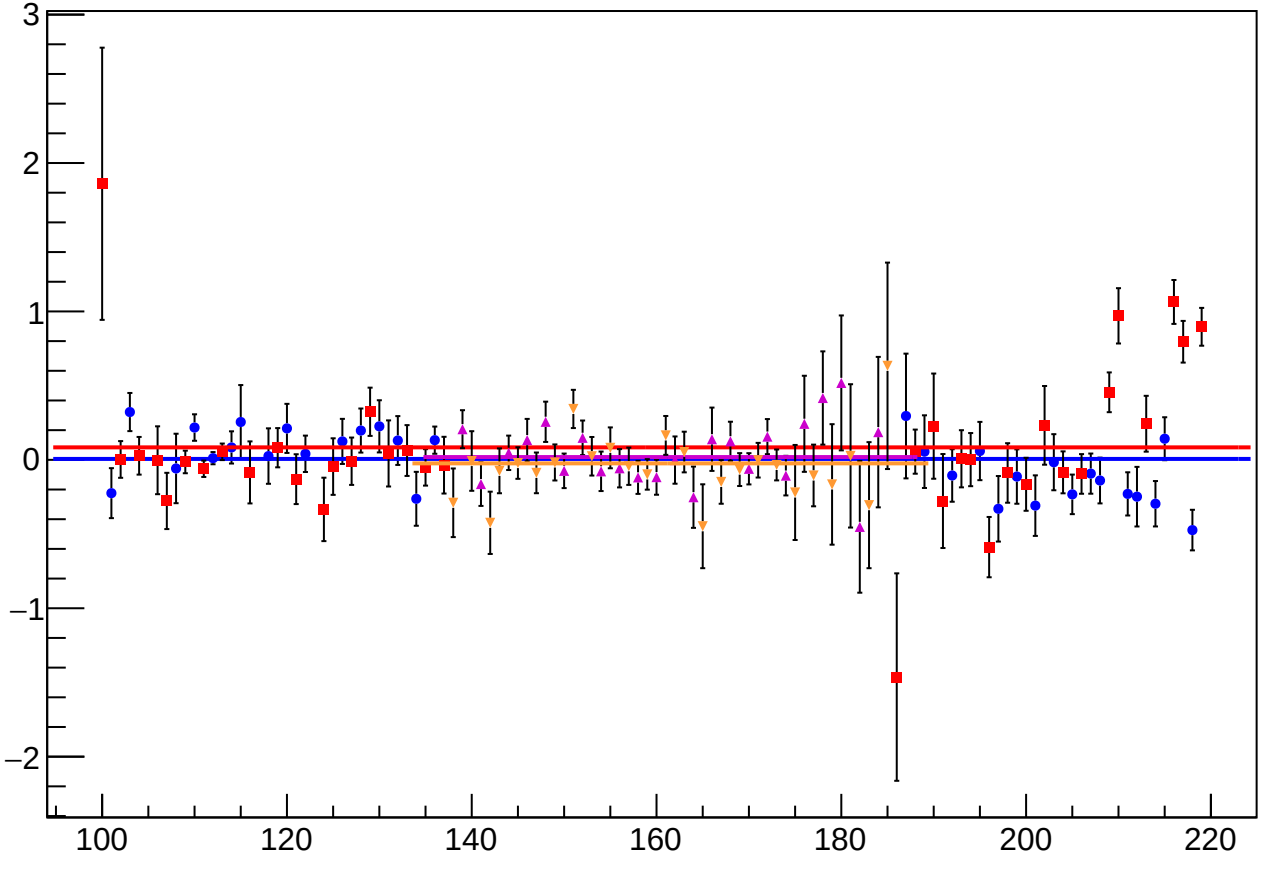
Right: 87.094+/-0.011 χ^2/NDF: 19797070.2/68

In: 97.950+/-0.013 χ^2/NDF:14618894.4/54

Out: 100.257+/-0.013 χ^2/NDF:15221245.2/61

All: 99.120+/-0.009 χ^2/NDF: 29856424.5/116

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.023 χ^2/NDF: 57.3/31

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.084+/-0.022 χ^2/NDF: 192.9/36

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

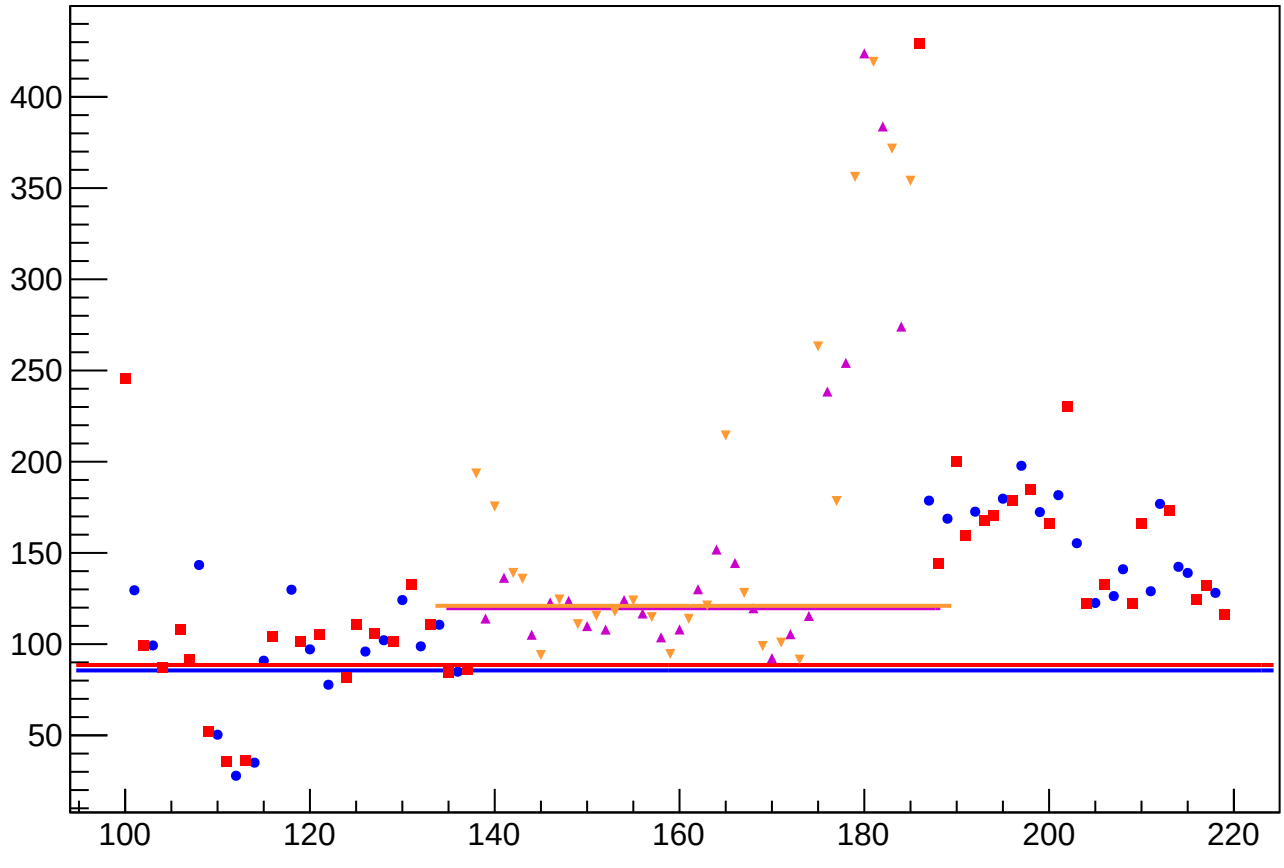
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.046+/-0.016 χ^2/NDF: 256.1/68

In: 0.011+/-0.018 χ^2/NDF:80.4/54

Out: 0.045+/-0.018 χ^2/NDF:223.4/61

All: 0.028+/-0.013 χ^2/NDF: 305.6/116



Right In: 85.575+/-0.016 χ^2/NDF: 10158294.9/31

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 88.566+/-0.016 χ^2/NDF: 9621306.1/36

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

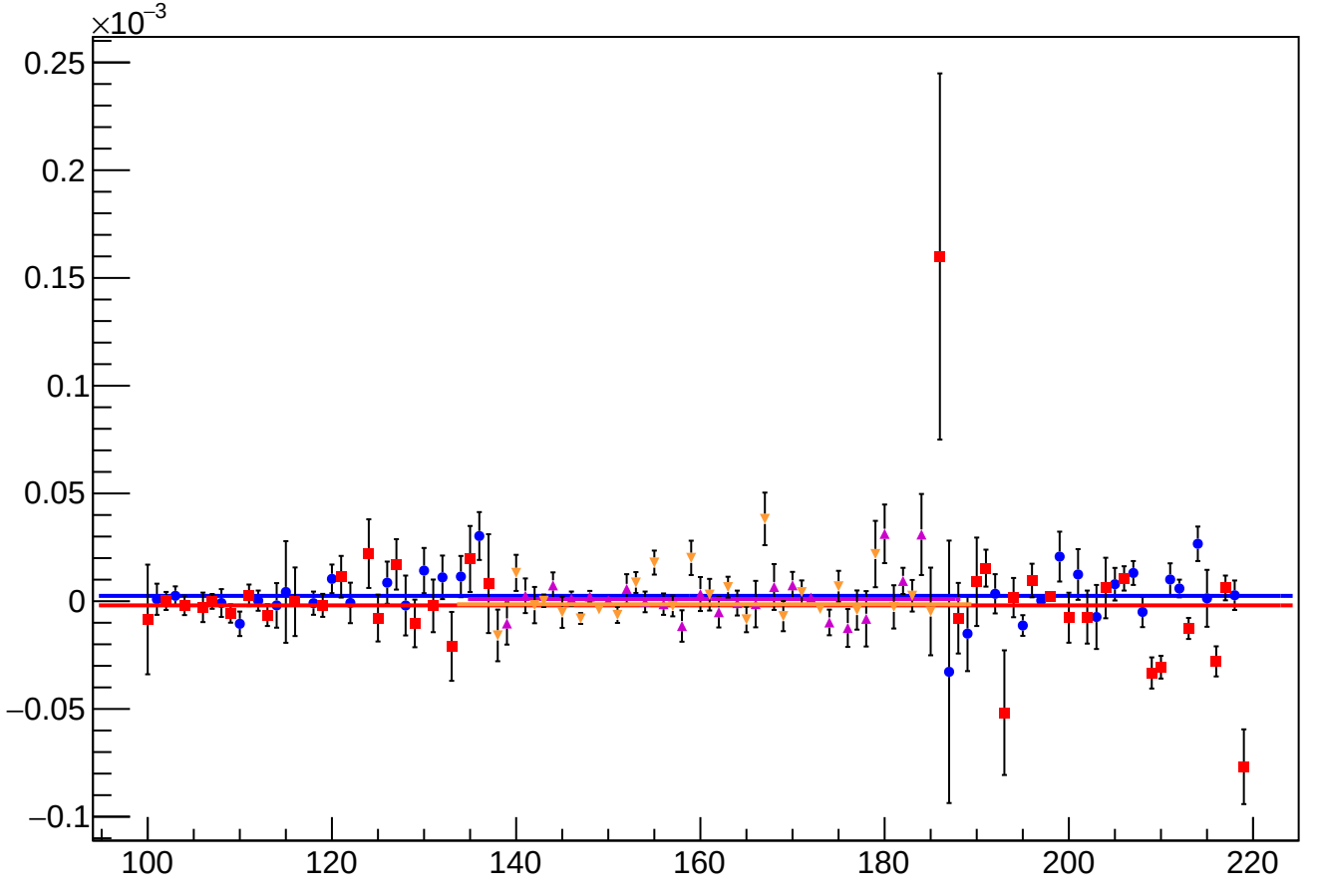
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 87.094+/-0.011 χ^2/NDF: 19797070.2/68

In: 97.950+/-0.013 χ^2/NDF:14618894.4/54

Out: 100.257+/-0.013 χ^2/NDF:15221245.2/61

All: 99.120+/-0.009 χ^2/NDF: 29856424.5/116



Right In: 0.000+/-0.000 χ^2/NDF: 47.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 127.2/36

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

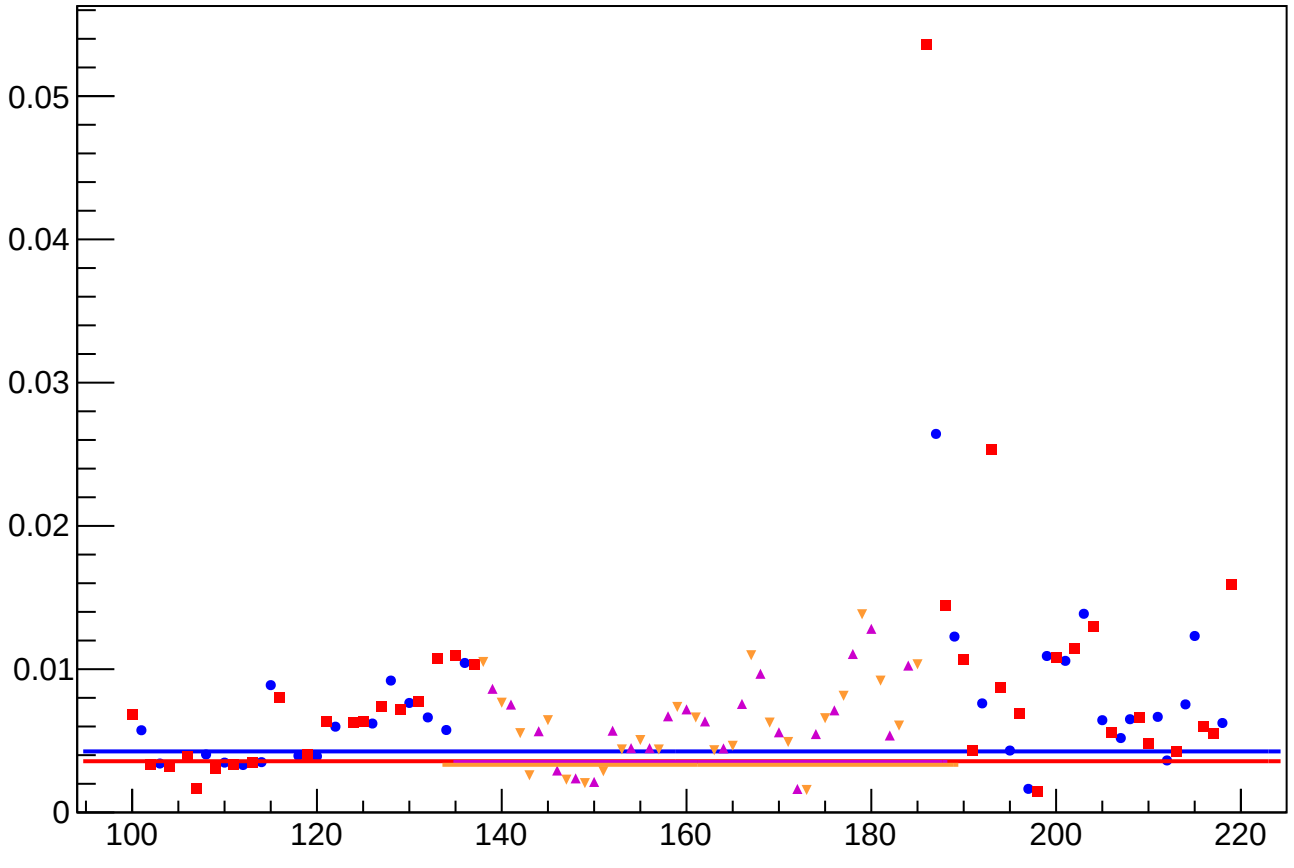
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: -0.000+/-0.000 χ^2/NDF: 183.7/68

In: 0.000+/-0.000 χ^2/NDF:73.2/54

Out: -0.000+/-0.000 χ^2/NDF:187.8/61

All: -0.000+/-0.000 χ^2/NDF: 272.0/116



Right In: 0.004+/-0.000 χ^2/NDF: 9627298.7/31

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 14817881.3/36

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

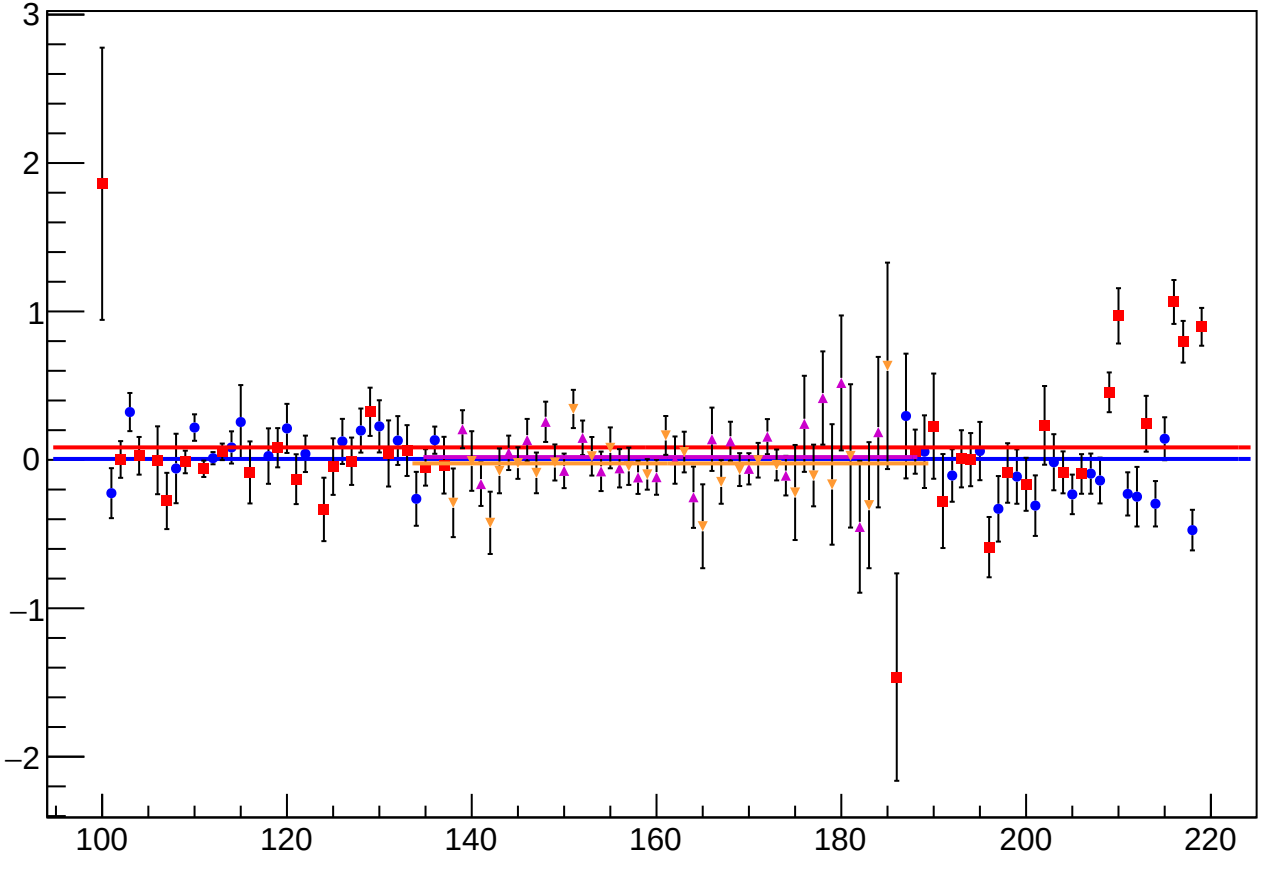
Right: 0.004+/-0.000 χ^2/NDF: 24866601.9/68

In: 0.004+/-0.000 χ^2/NDF:19538807.1/54

Out: 0.003+/-0.000 χ^2/NDF:25374082.6/61

All: 0.004+/-0.000 χ^2/NDF: 45237345.6/116

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.023 χ^2/NDF: 57.3/31

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.084+/-0.022 χ^2/NDF: 192.8/36

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

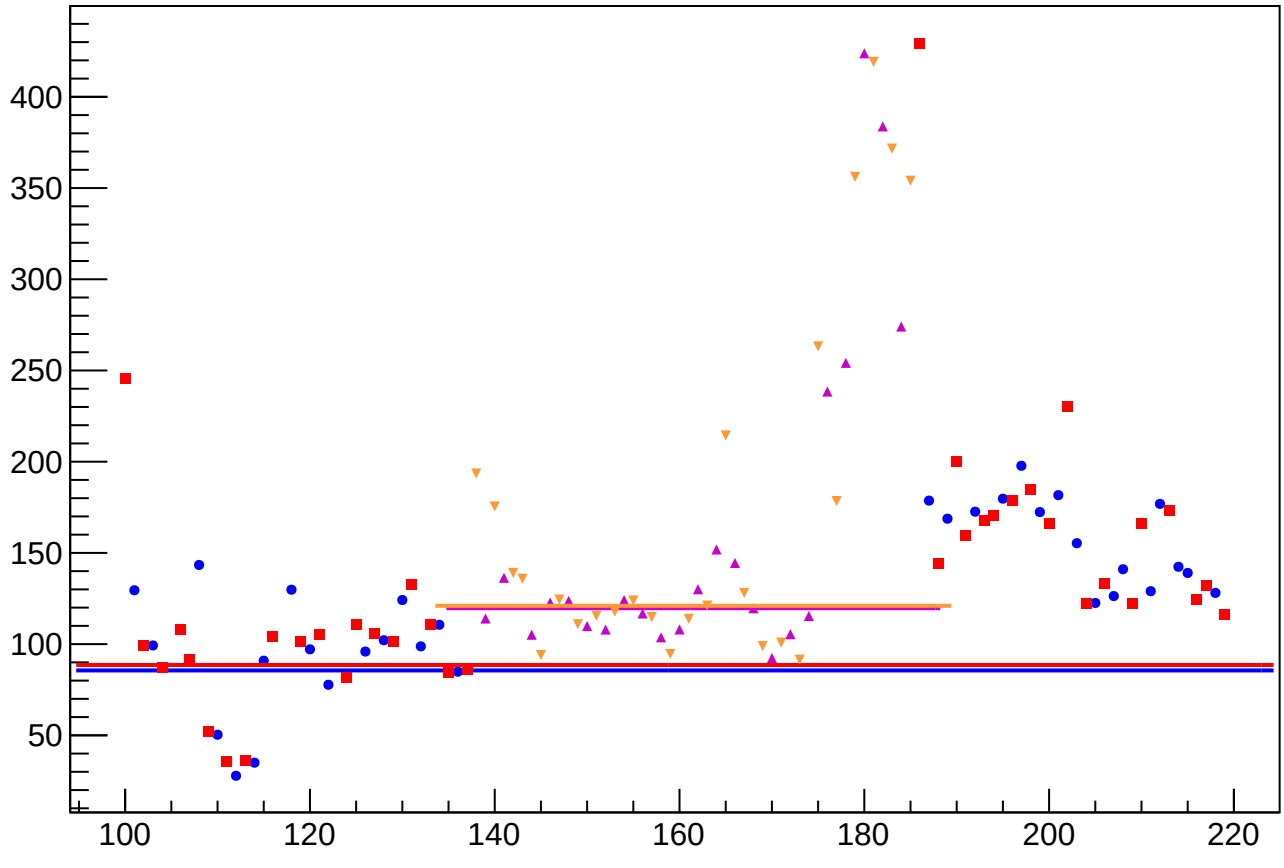
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.046+/-0.016 χ^2/NDF: 256.1/68

In: 0.011+/-0.018 χ^2/NDF:80.4/54

Out: 0.045+/-0.018 χ^2/NDF:223.4/61

All: 0.028+/-0.013 χ^2/NDF: 305.6/116



Right In: 85.573+/-0.016 χ^2/NDF: 10158839.3/31

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 88.564+/-0.016 χ^2/NDF: 9621856.7/36

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

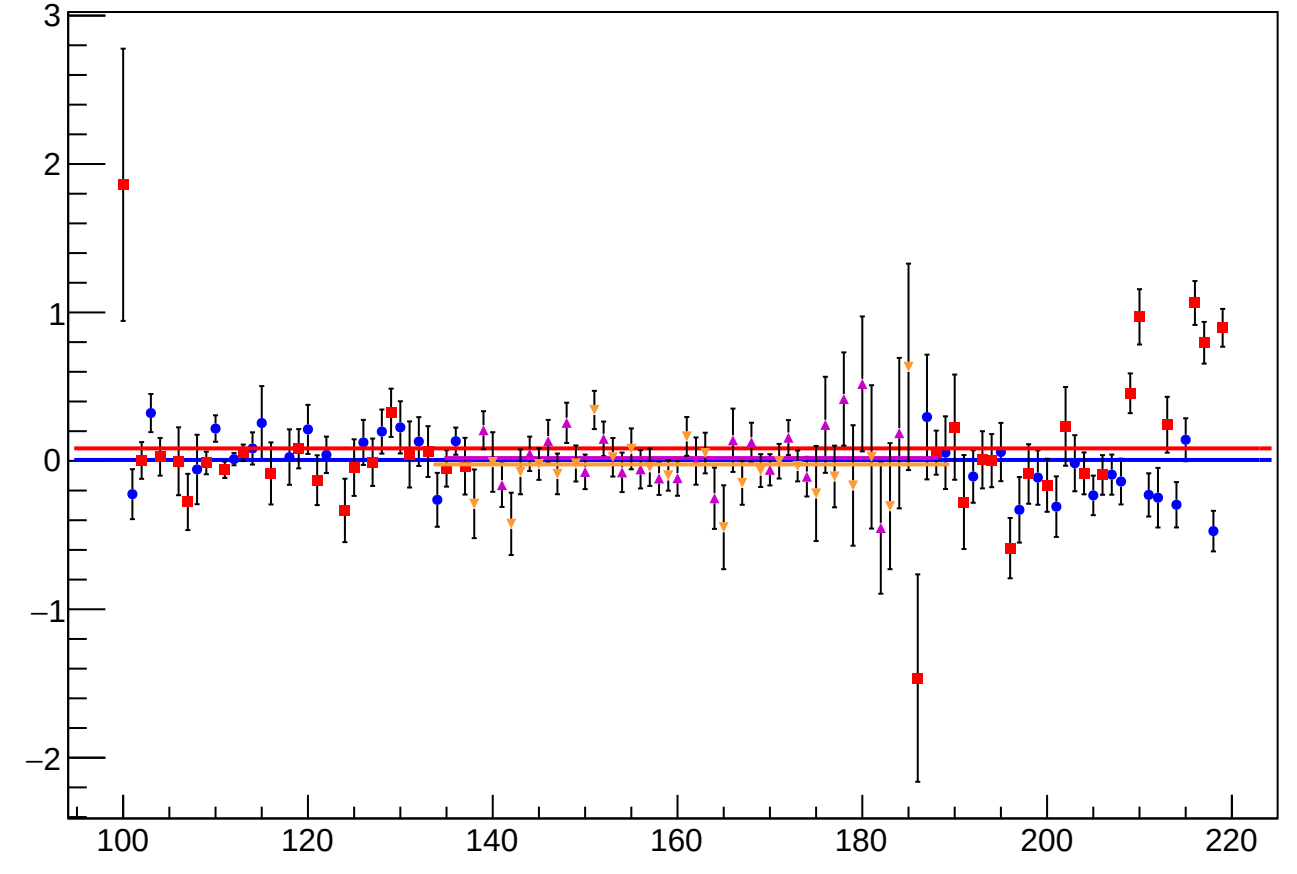
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 87.092+/-0.011 χ^2/NDF: 19798170.0/68

In: 97.948+/-0.013 χ^2/NDF:14619686.4/54

Out: 100.256+/-0.013 χ^2/NDF:15222007.7/61

All: 99.118+/-0.009 χ^2/NDF: 29857983.5/116



Right In: 0.006+/-0.023 χ^2/NDF: 57.3/31

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.084+/-0.022 χ^2/NDF: 192.8/36

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

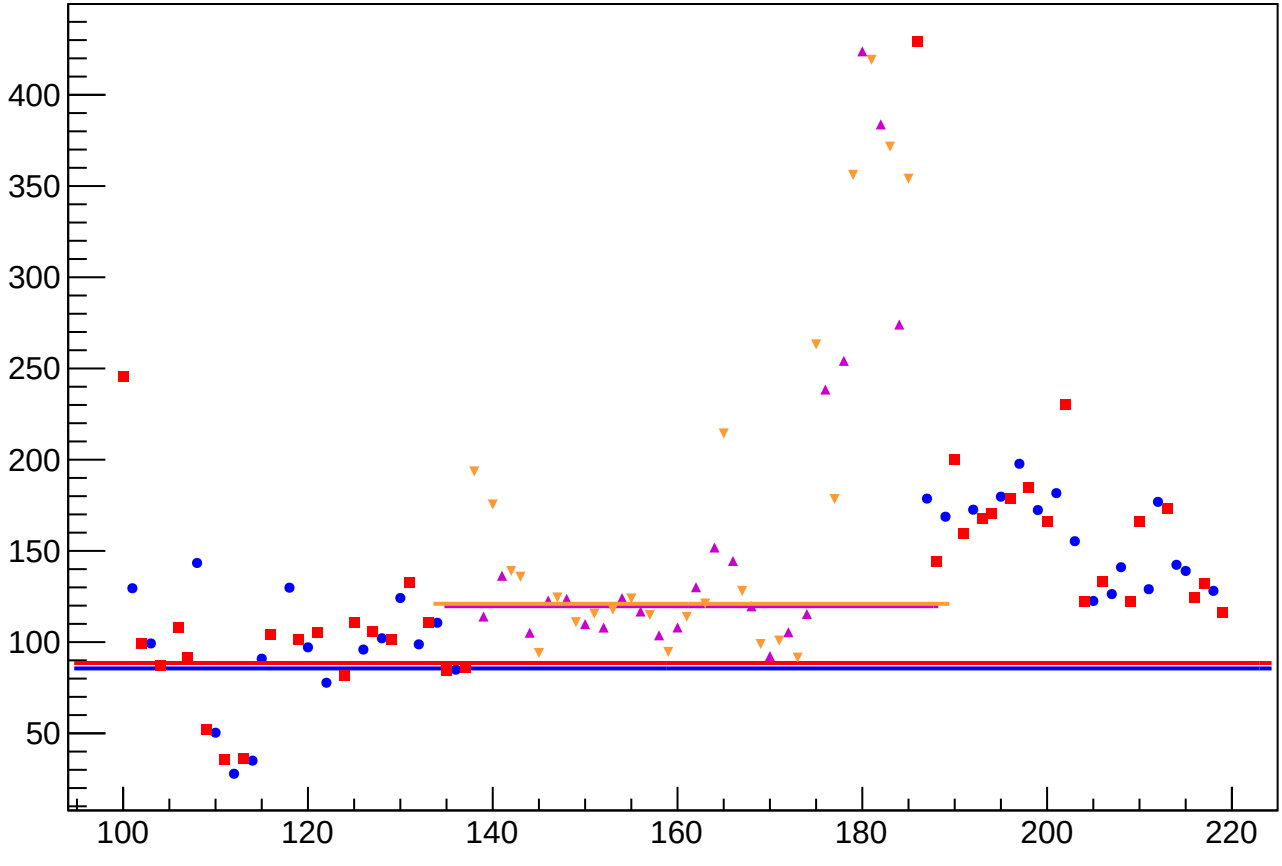
Right: 0.046+/-0.016 χ^2/NDF: 256.1/68

In: 0.011+/-0.018 χ^2/NDF:80.4/54

Out: 0.045+/-0.018 χ^2/NDF:223.4/61

All: 0.028+/-0.013 χ^2/NDF: 305.6/116

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.573+/-0.016 χ^2/NDF: 10158839.3/31

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 88.564+/-0.016 χ^2/NDF: 9621856.7/36

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

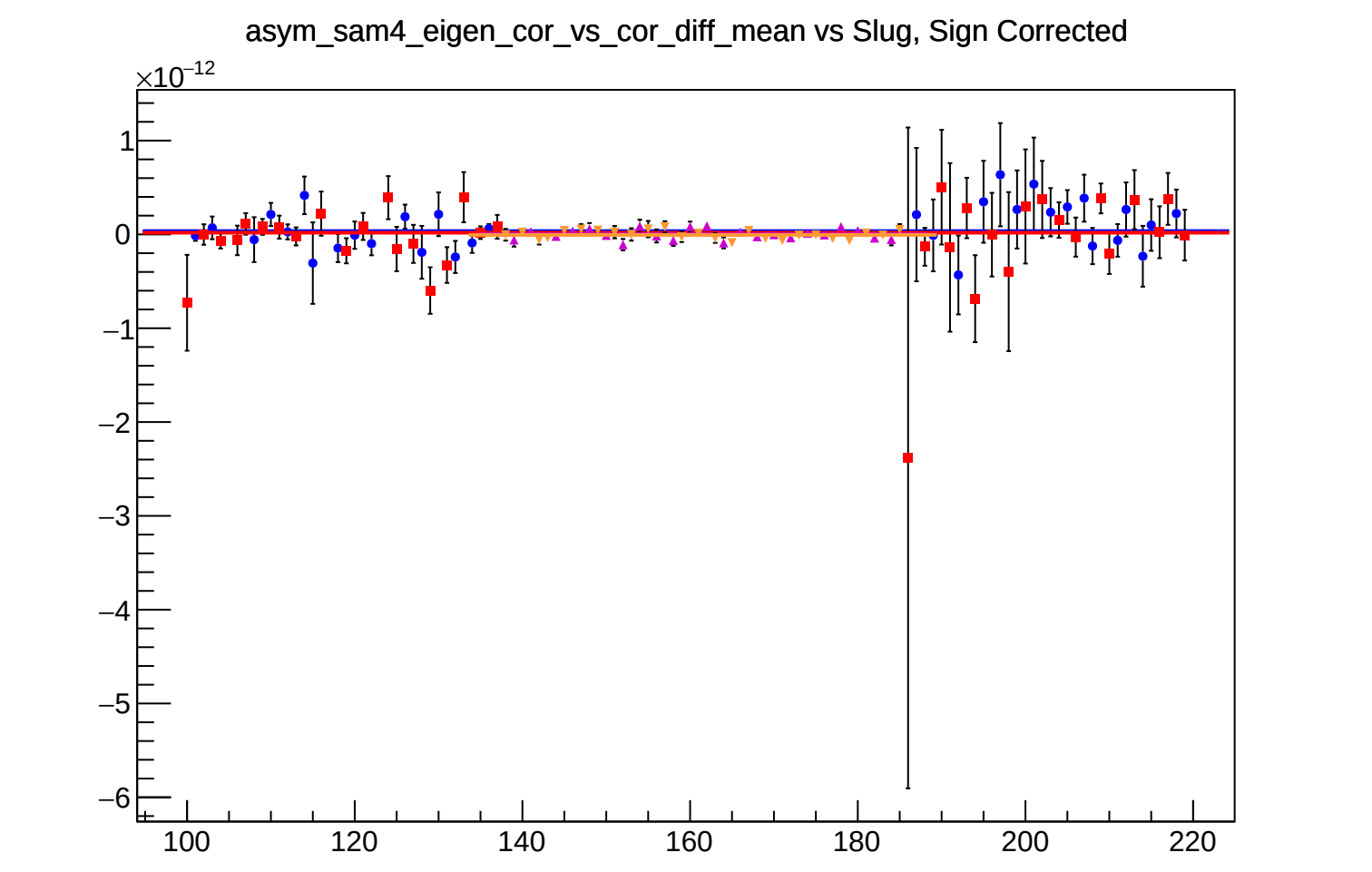
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 87.092+/-0.011 χ^2/NDF: 19798170.0/68

In: 97.948+/-0.013 χ^2/NDF:14619686.4/54

Out: 100.256+/-0.013 χ^2/NDF:15222007.7/61

All: 99.118+/-0.009 χ^2/NDF: 29857983.5/116



Right In: 0.000+/-0.000 χ^2/NDF: 28.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.2/36

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

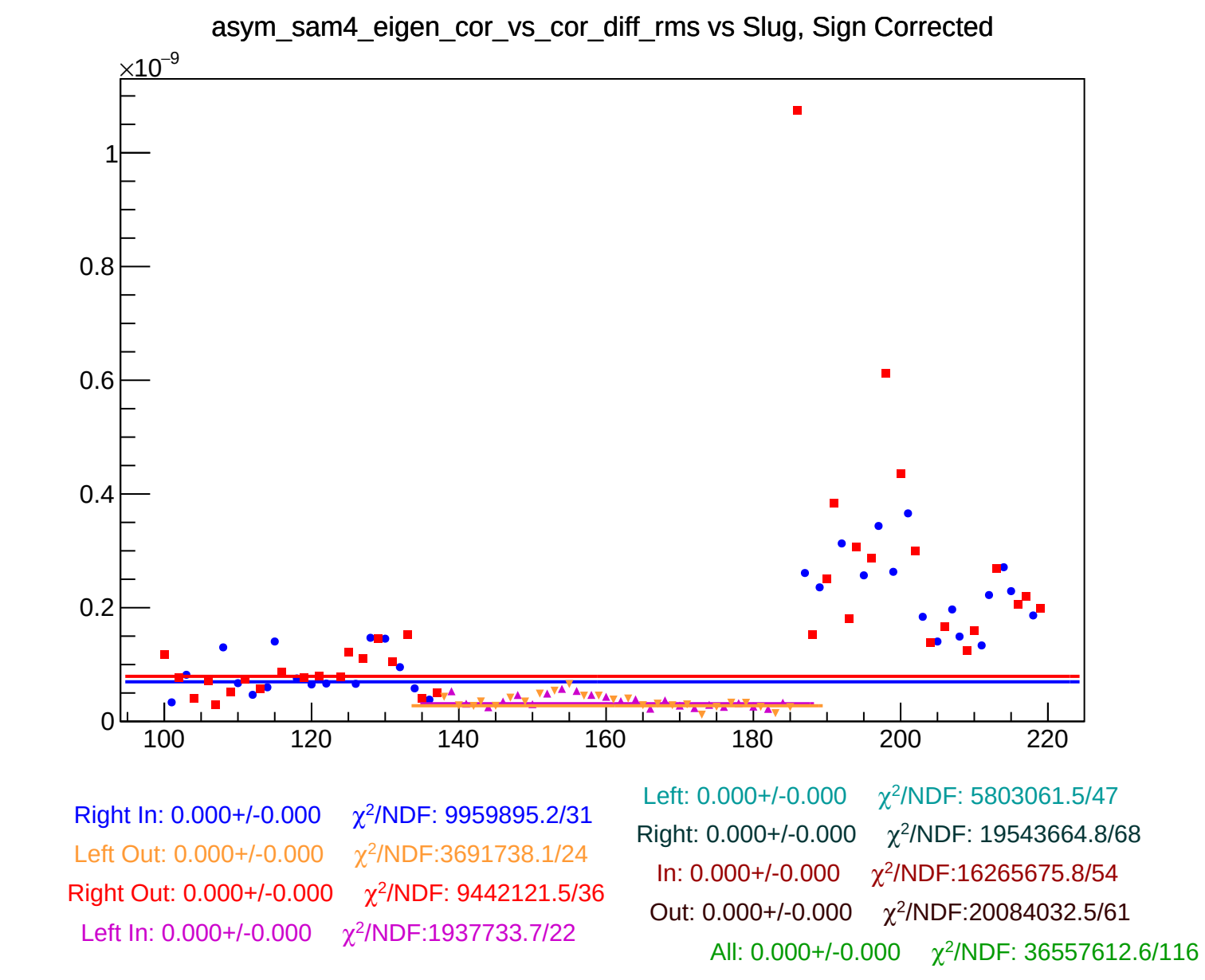
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 68.3/68

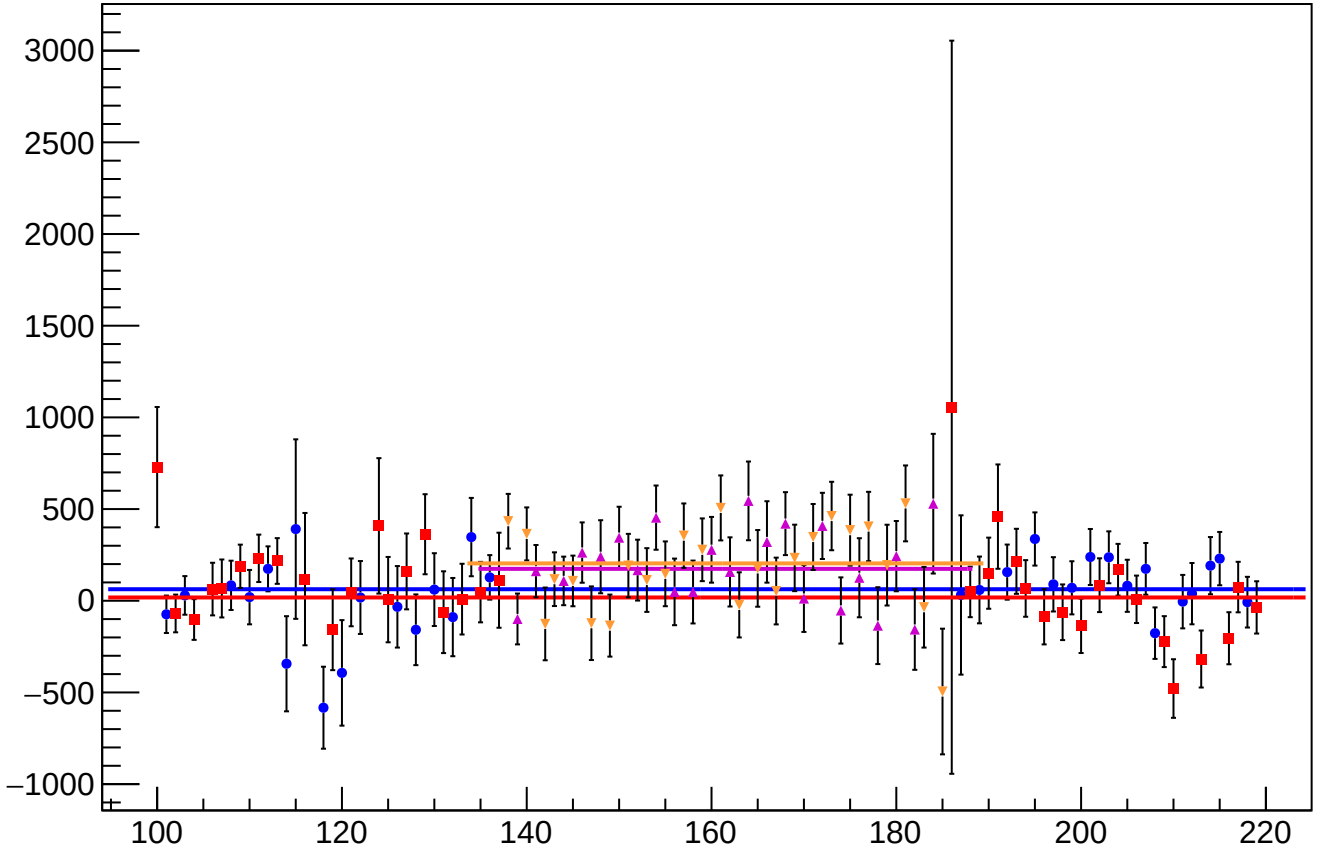
In: 0.000+/-0.000 χ^2/NDF:58.1/54

Out: -0.000+/-0.000 χ^2/NDF:62.1/61

All: 0.000+/-0.000 χ^2/NDF: 121.0/116


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: 9959895.2/31
Left Out: 0.000+/-0.000 χ²/NDF:3691738.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 9442121.5/36
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: 19543664.8/68
In: 0.000+/-0.000 χ²/NDF:16265675.8/54
Out: 0.000+/-0.000 χ²/NDF:20084032.5/61
All: 0.000+/-0.000 χ²/NDF: 36557612.6/116

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 62.917+/-27.717 χ^2/NDF: 33.6/31

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 17.917+/-26.398 χ^2/NDF: 47.1/36

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

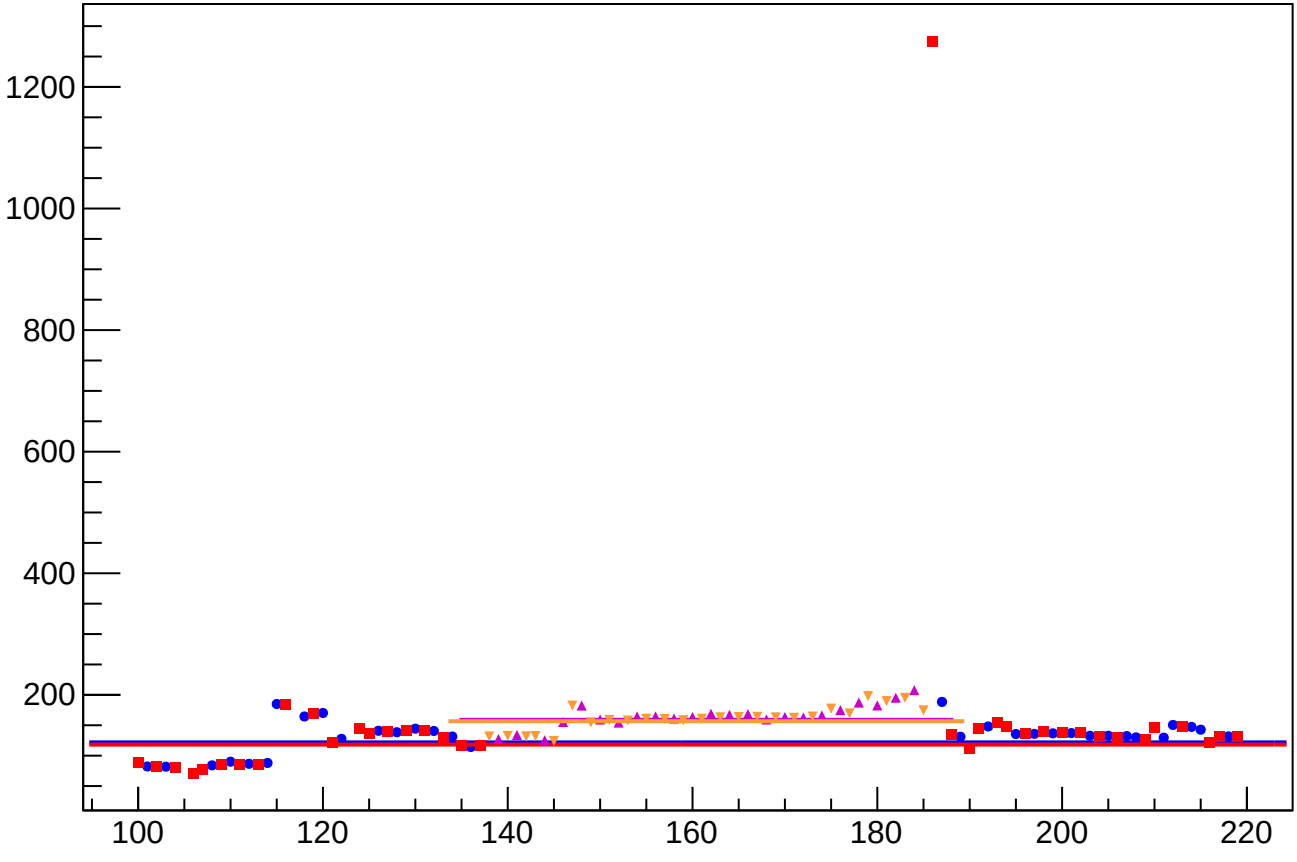
Right: 39.320+/-19.115 χ^2/NDF: 82.1/68

In: 102.281+/-22.270 χ^2/NDF:63.8/54

Out: 83.189+/-21.263 χ^2/NDF:97.4/61

All: 92.294+/-15.379 χ^2/NDF: 161.6/116

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 121.833+/-0.020 χ^2/NDF: 1686020.5/31

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 118.217+/-0.019 χ^2/NDF: 2763511.6/36

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

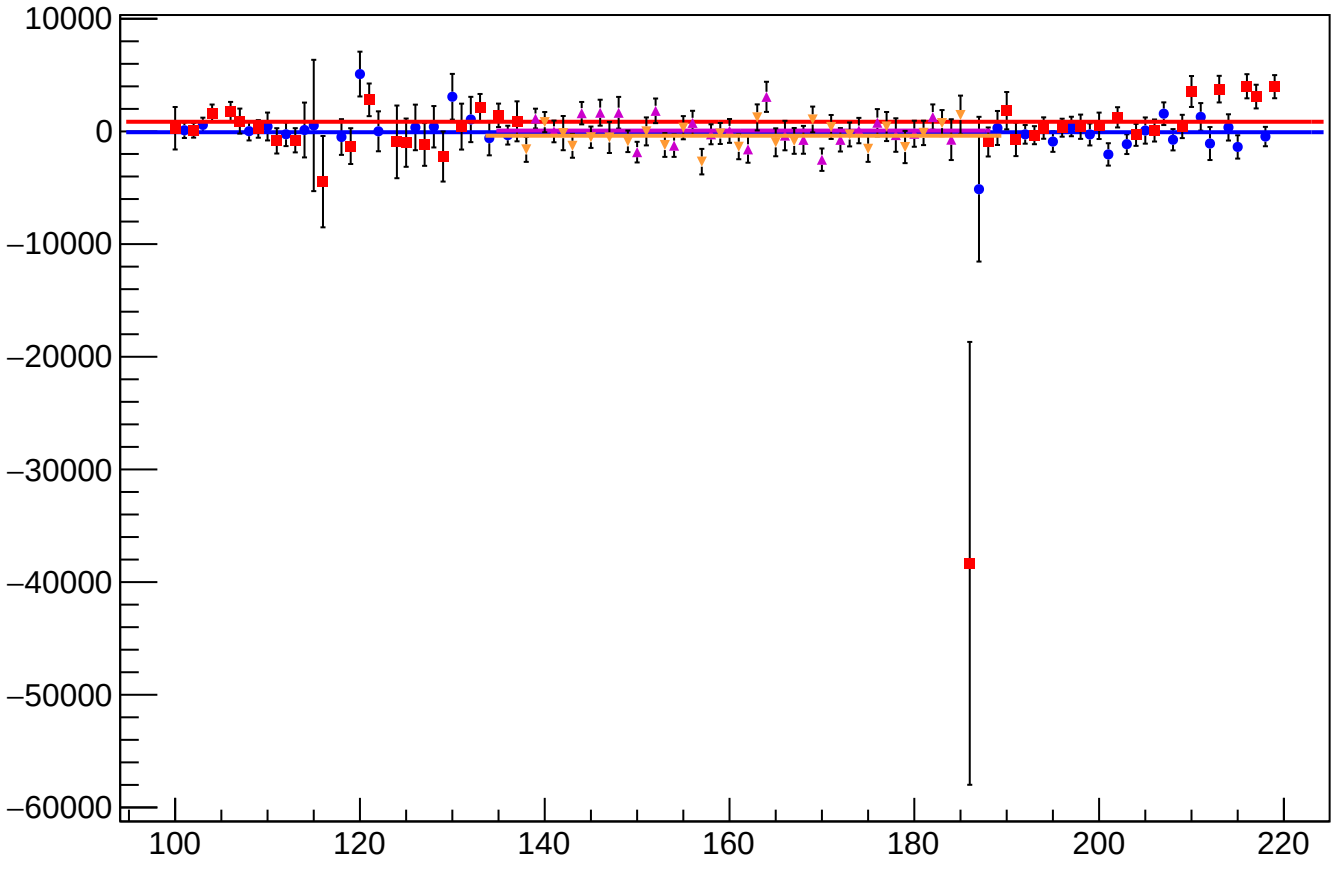
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 119.937+/-0.014 χ^2/NDF: 4467386.3/68

In: 134.990+/-0.016 χ^2/NDF:3468717.8/54

Out: 131.711+/-0.015 χ^2/NDF:4833982.1/61

All: 133.275+/-0.011 χ^2/NDF: 8325381.4/116



Right In: -69.690+/-194.463 χ^2/NDF: 25.3/31

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 858.286+/-184.954 χ^2/NDF: 65.1/36

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

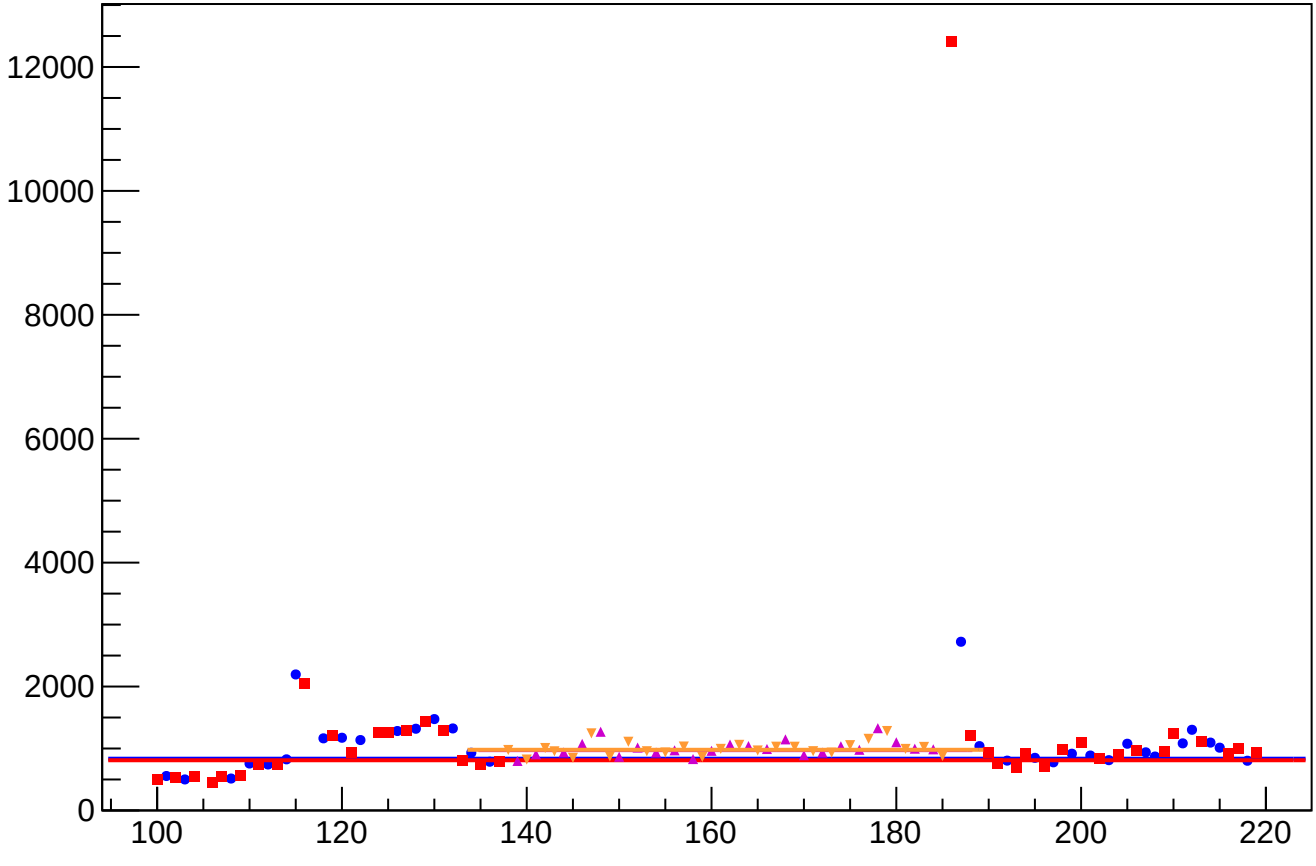
Right: 417.541+/-134.018 χ^2/NDF: 102.4/68

In: -9.543+/-148.442 χ^2/NDF:58.6/54

Out: 357.498+/-142.763 χ^2/NDF:101.9/61

All: 181.133+/-102.898 χ^2/NDF: 163.7/116

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 835.231+/-0.138 χ^2/NDF: 2871666.8/31

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 810.289+/-0.131 χ^2/NDF: 3969042.6/36

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

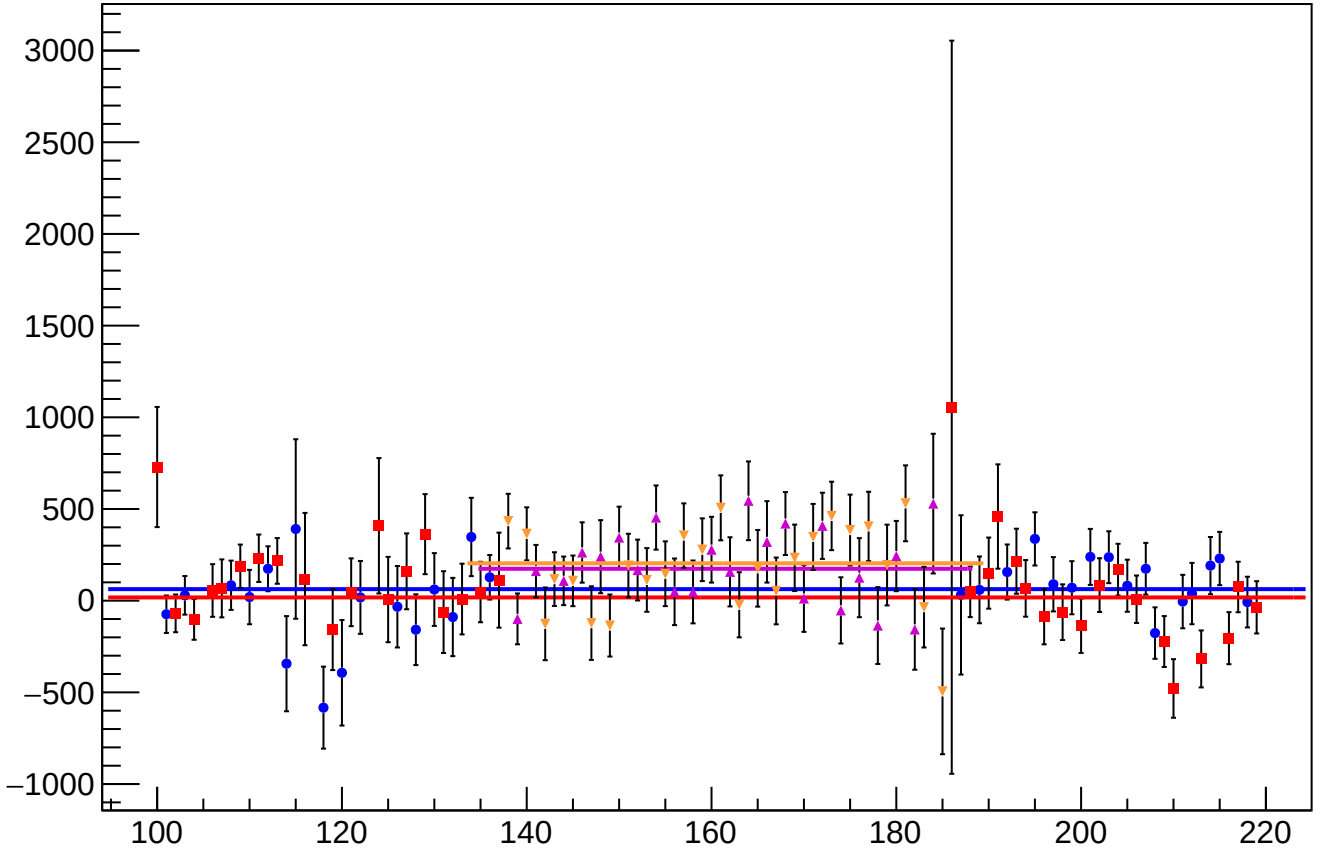
Right: 822.135+/-0.095 χ^2/NDF: 6857983.9/68

In: 893.065+/-0.105 χ^2/NDF:3794172.9/54

Out: 878.526+/-0.101 χ^2/NDF:5072361.1/61

All: 885.512+/-0.073 χ^2/NDF: 8876500.1/116

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 62.916+/-27.717 χ^2/NDF: 33.6/31

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 17.658+/-26.399 χ^2/NDF: 47.1/36

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

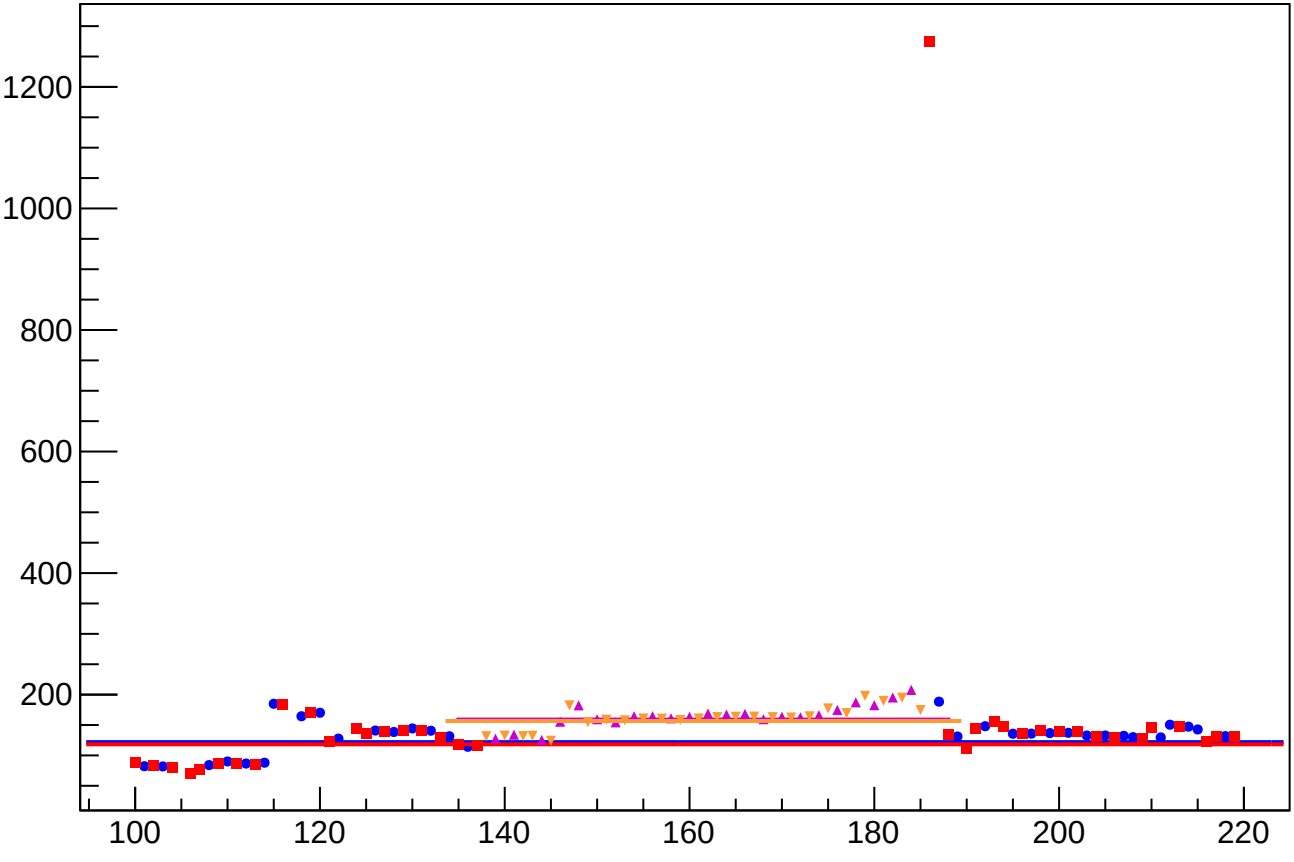
Right: 39.185+/-19.116 χ^2/NDF: 82.1/68

In: 102.282+/-22.270 χ^2/NDF:63.8/54

Out: 83.027+/-21.263 χ^2/NDF:97.4/61

All: 92.209+/-15.379 χ^2/NDF: 161.6/116

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 121.833+/-0.020 χ^2/NDF: 1686019.1/31

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 118.206+/-0.019 χ^2/NDF: 2766874.0/36

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

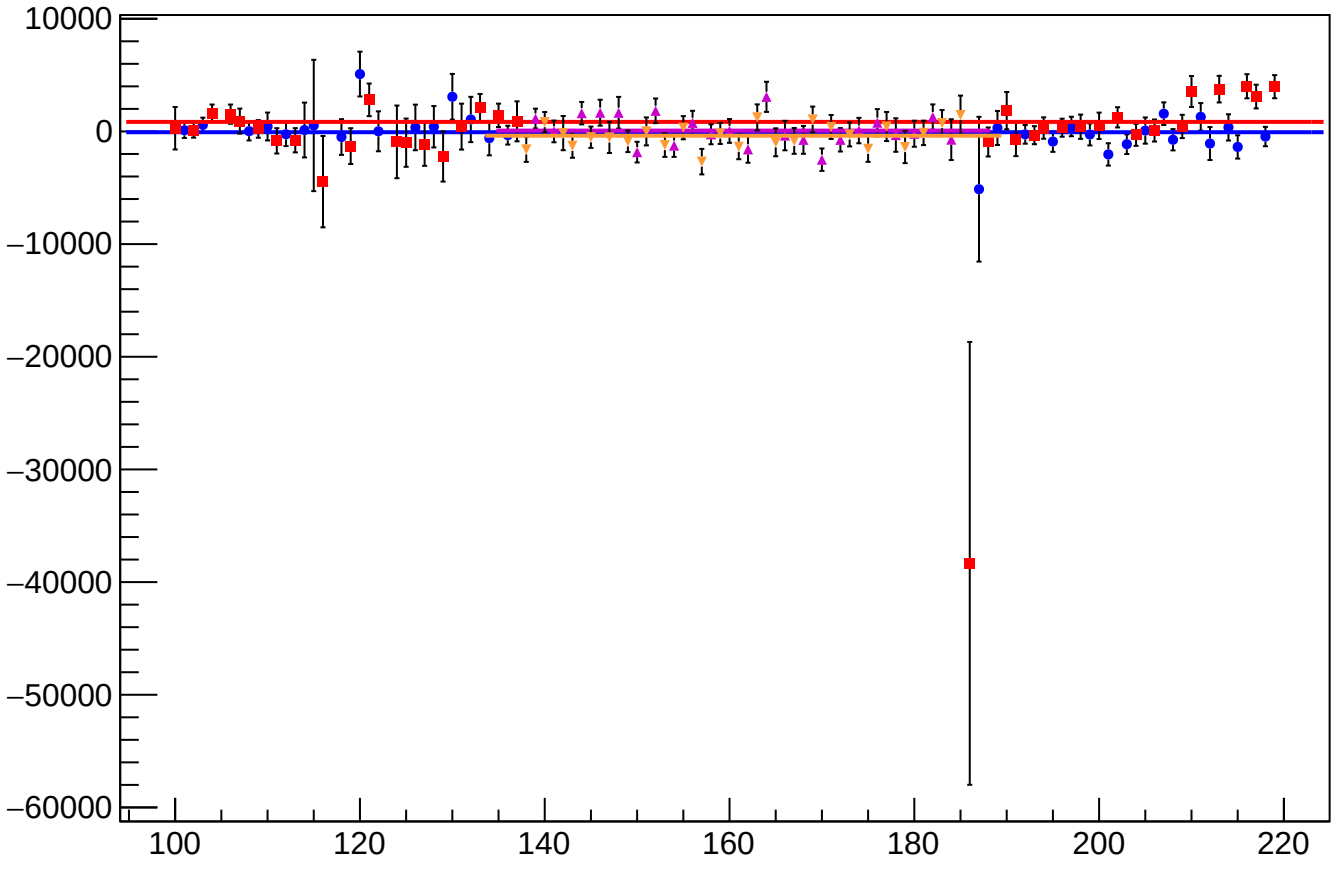
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 119.931+/-0.014 χ^2/NDF: 4470848.6/68

In: 134.990+/-0.016 χ^2/NDF:3468715.8/54

Out: 131.705+/-0.015 χ^2/NDF:4838106.8/61

All: 133.271+/-0.011 χ^2/NDF: 8329587.9/116



Right In: -69.686+/-194.463 χ^2/NDF: 25.3/31

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 846.344+/-185.011 χ^2/NDF: 64.5/36

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

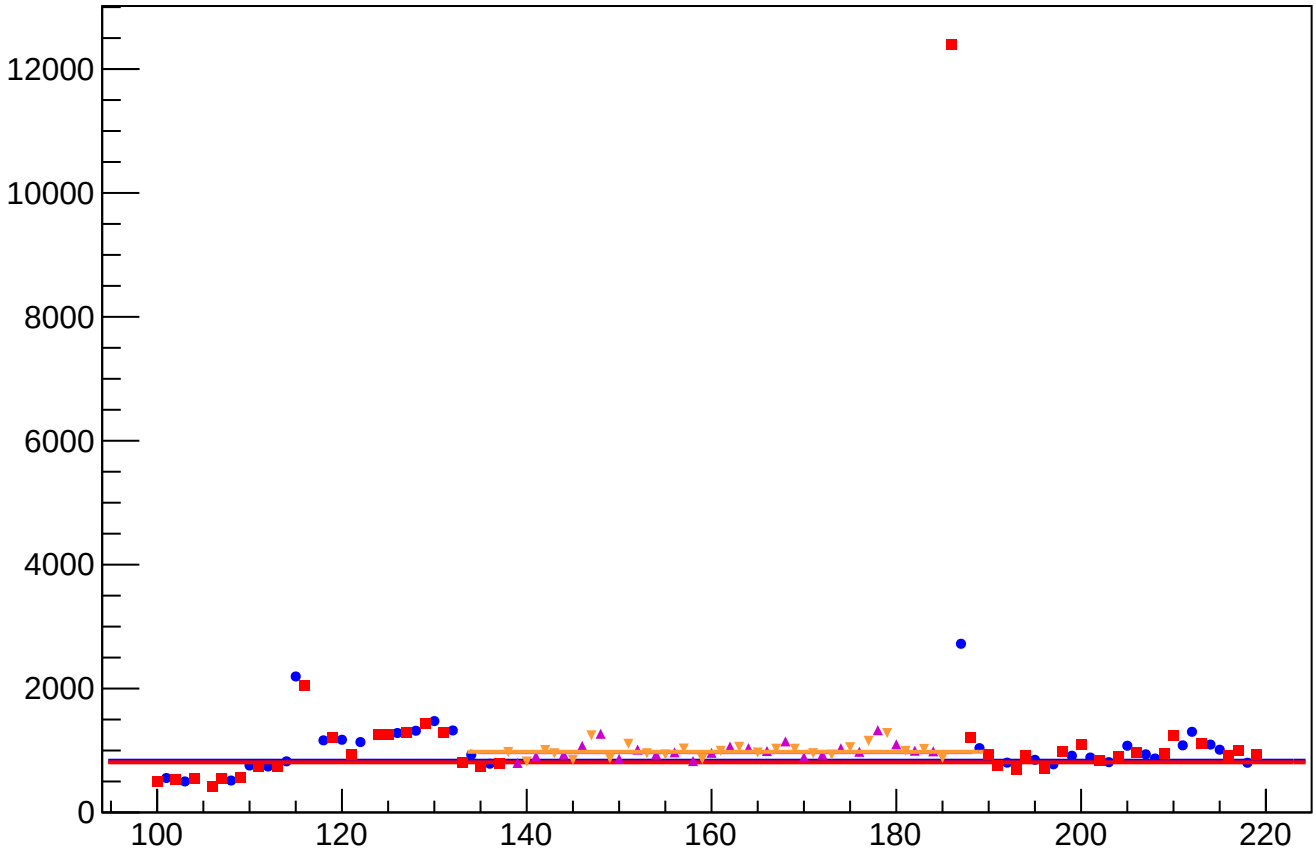
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 411.131+/-134.040 χ^2/NDF: 101.5/68

In: -9.541+/-148.442 χ^2/NDF:58.6/54

Out: 350.205+/-142.789 χ^2/NDF:101.1/61

All: 177.311+/-102.908 χ^2/NDF: 162.7/116



Right In: 835.231+/-0.138 χ^2/NDF: 2871670.1/31

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 809.367+/-0.131 χ^2/NDF: 4014282.9/36

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

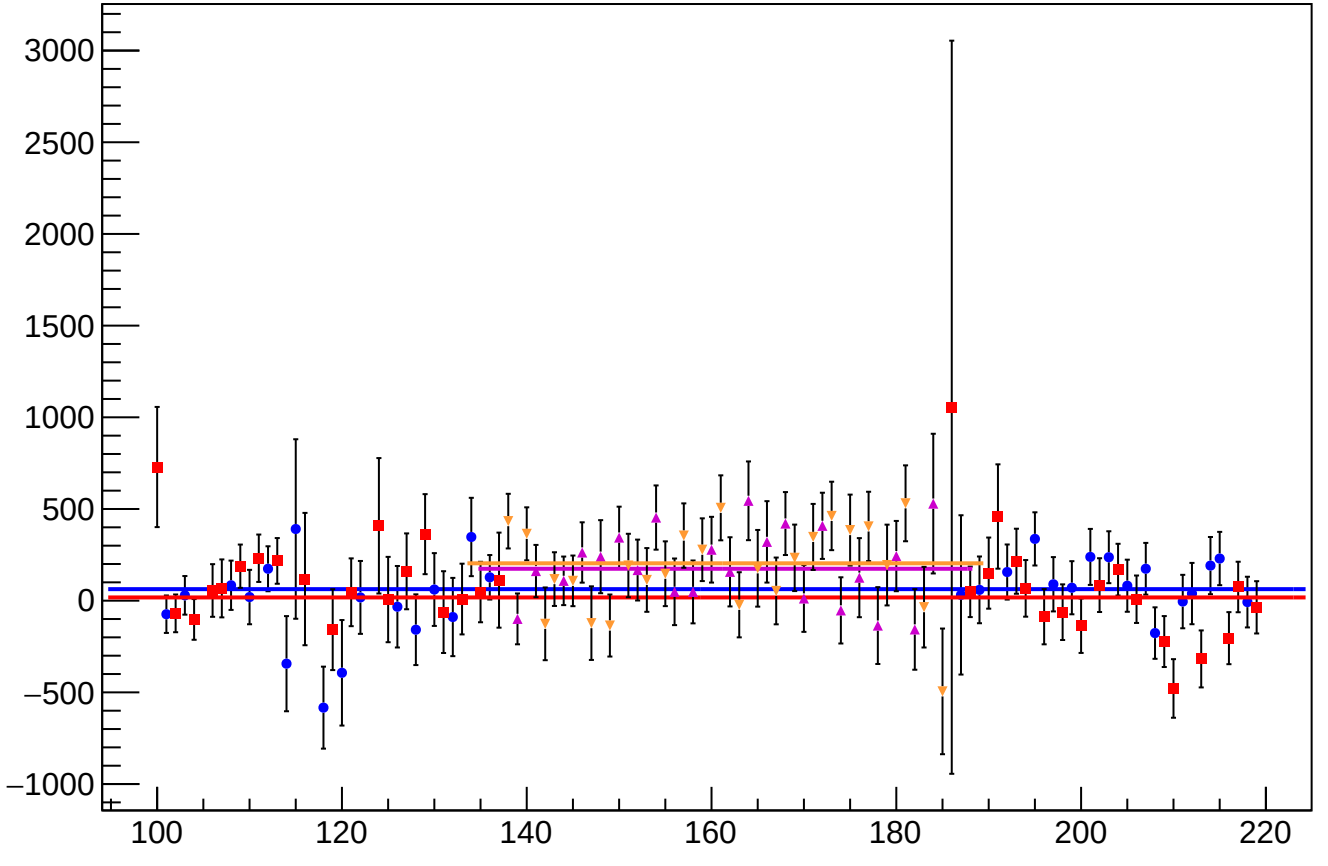
Right: 821.655+/-0.095 χ^2/NDF: 6904523.1/68

In: 893.064+/-0.105 χ^2/NDF:3794179.3/54

Out: 878.002+/-0.101 χ^2/NDF:5124810.7/61

All: 885.241+/-0.073 χ^2/NDF: 8929685.4/116

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 62.916+/-27.717 χ^2/NDF: 33.6/31

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 17.658+/-26.399 χ^2/NDF: 47.1/36

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

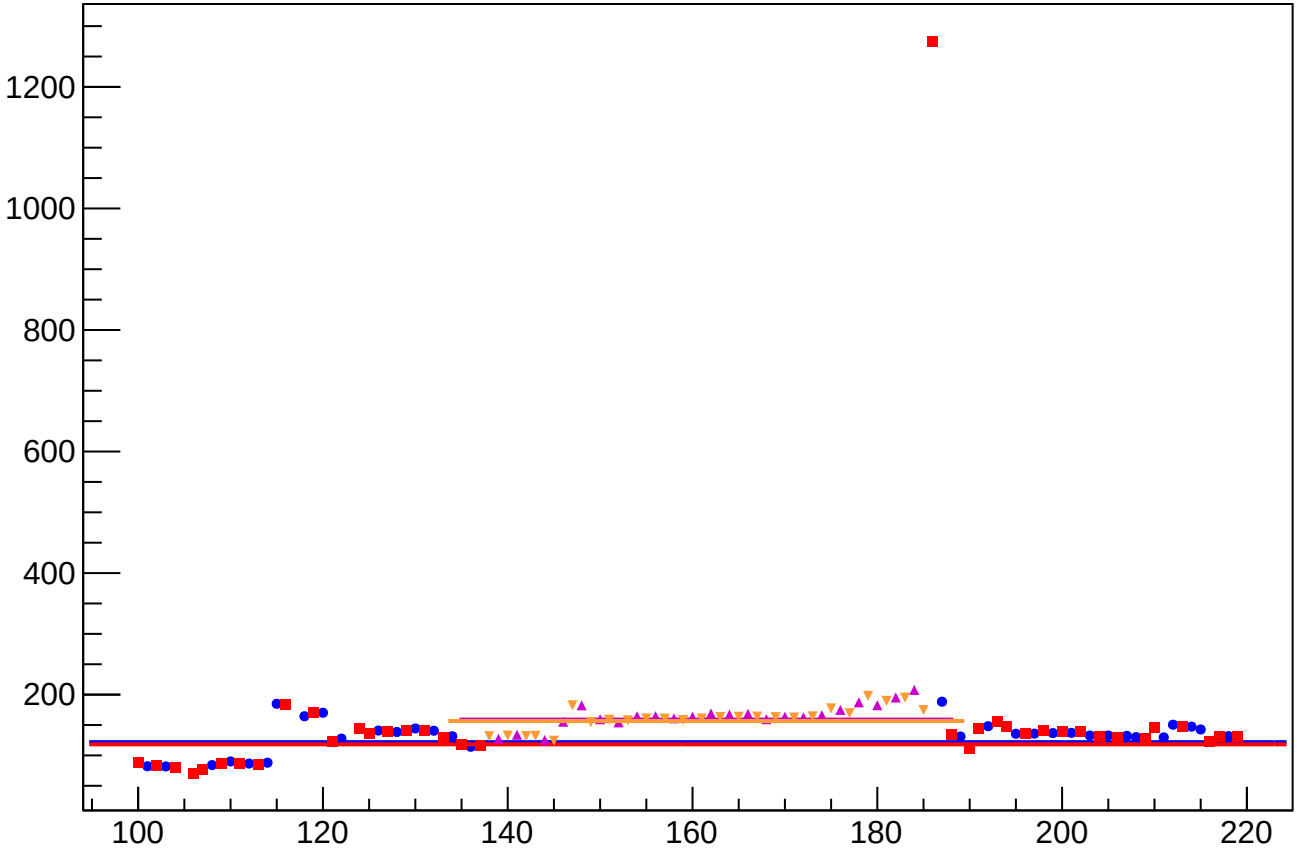
Right: 39.185+/-19.116 χ^2/NDF: 82.1/68

In: 102.282+/-22.270 χ^2/NDF:63.8/54

Out: 83.027+/-21.263 χ^2/NDF:97.4/61

All: 92.209+/-15.379 χ^2/NDF: 161.6/116

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 121.833+/-0.020 χ^2/NDF: 1686019.1/31

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 118.206+/-0.019 χ^2/NDF: 2766874.0/36

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

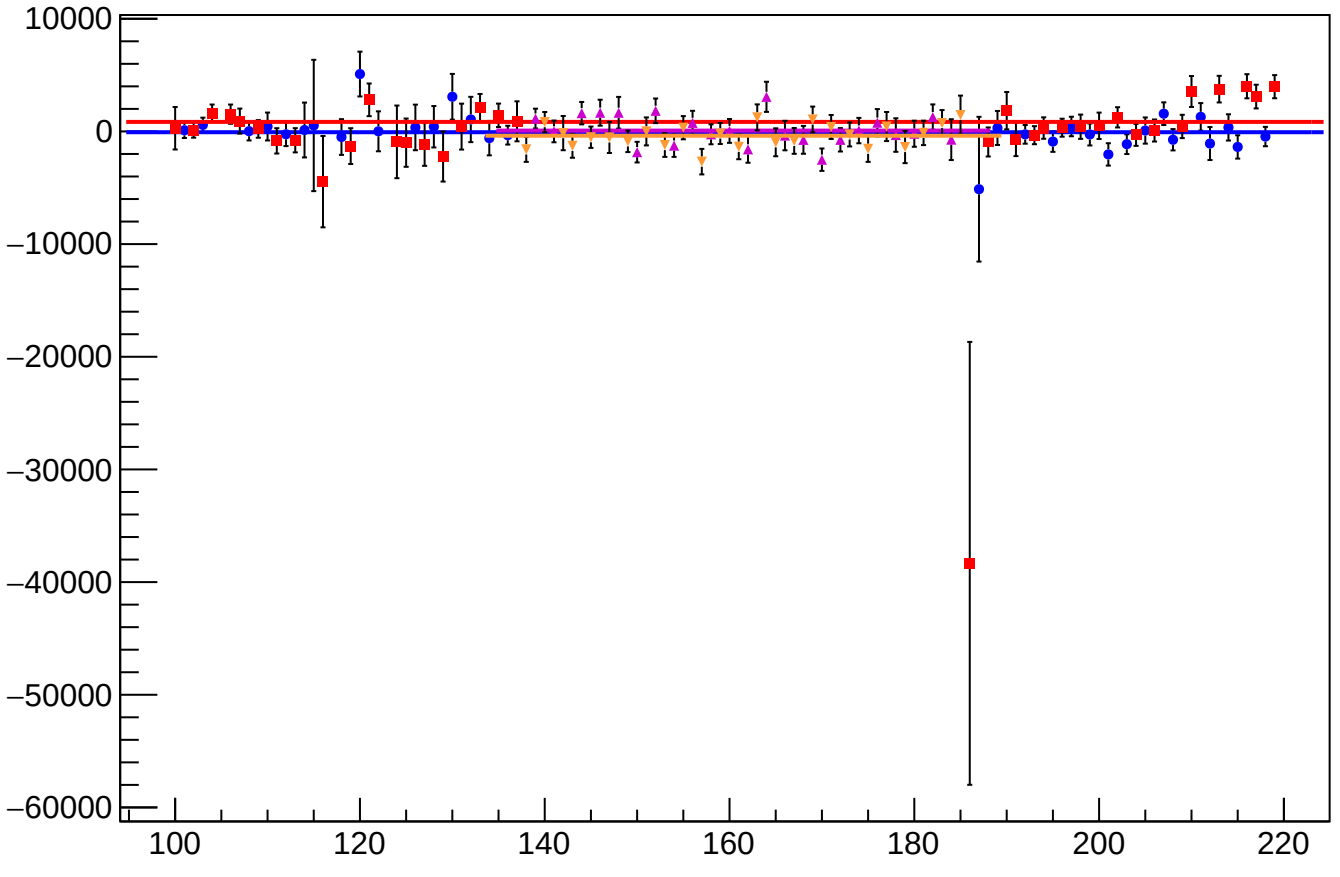
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 119.931+/-0.014 χ^2/NDF: 4470848.6/68

In: 134.990+/-0.016 χ^2/NDF:3468715.8/54

Out: 131.705+/-0.015 χ^2/NDF:4838106.8/61

All: 133.271+/-0.011 χ^2/NDF: 8329587.9/116



Right In: -69.686+/-194.463 χ^2/NDF: 25.3/31

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 846.344+/-185.011 χ^2/NDF: 64.5/36

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

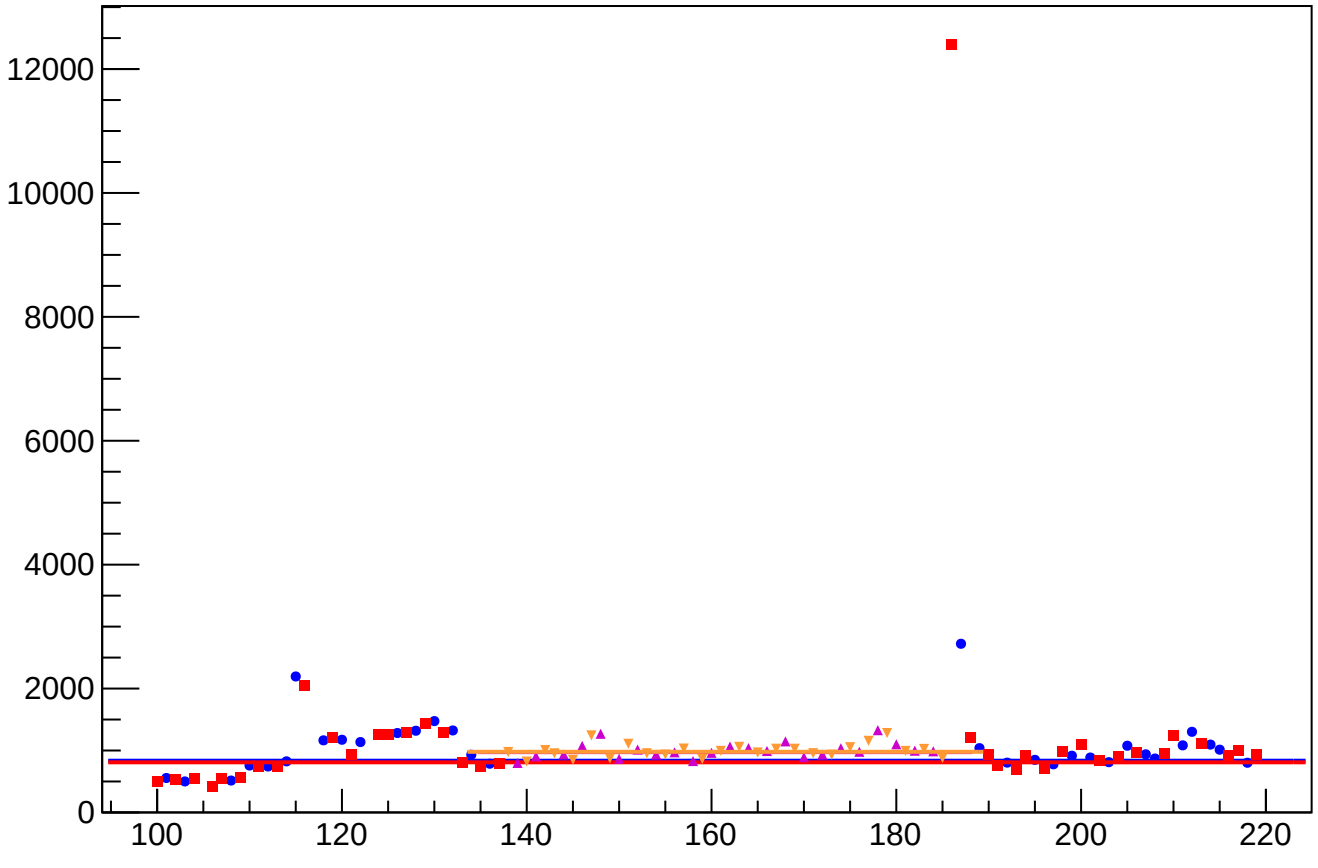
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 411.131+/-134.040 χ^2/NDF: 101.5/68

In: -9.541+/-148.442 χ^2/NDF:58.6/54

Out: 350.205+/-142.789 χ^2/NDF:101.1/61

All: 177.311+/-102.908 χ^2/NDF: 162.7/116



Right In: 835.231+/-0.138 χ^2/NDF: 2871670.1/31

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 809.367+/-0.131 χ^2/NDF: 4014282.9/36

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

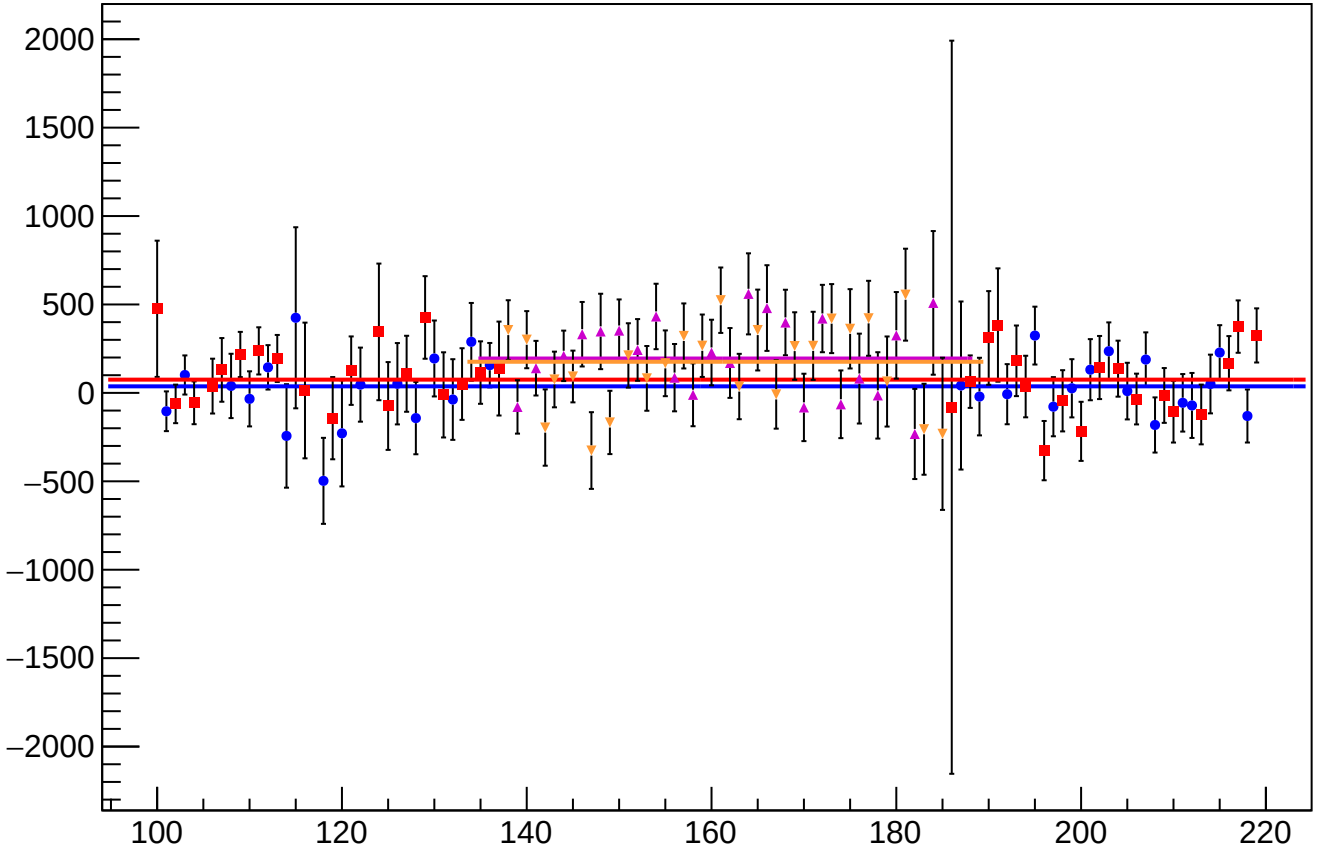
Right: 821.655+/-0.095 χ^2/NDF: 6904523.1/68

In: 893.064+/-0.105 χ^2/NDF:3794179.3/54

Out: 878.002+/-0.101 χ^2/NDF:5124810.7/61

All: 885.241+/-0.073 χ^2/NDF: 8929685.4/116

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 37.015+/-30.386 χ^2/NDF: 25.5/31

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 74.925+/-28.855 χ^2/NDF: 34.0/36

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

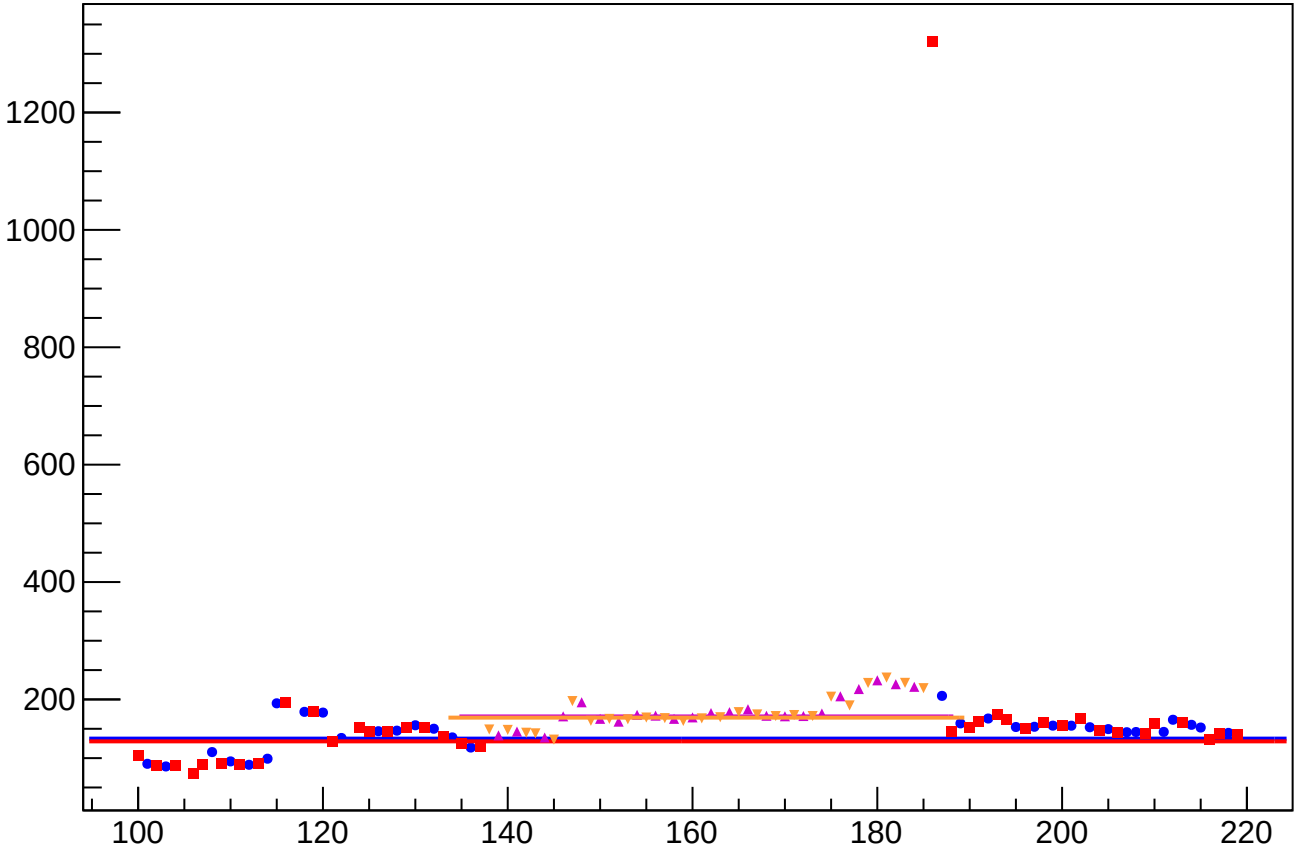
Right: 56.949+/-20.924 χ^2/NDF: 60.3/68

In: 93.881+/-24.280 χ^2/NDF:59.0/54

Out: 110.879+/-23.162 χ^2/NDF:69.1/61

All: 102.780+/-16.759 χ^2/NDF: 128.4/116

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 133.239+/-0.021 χ^2/NDF: 1815229.0/31

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 128.579+/-0.020 χ^2/NDF: 3025698.8/36

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

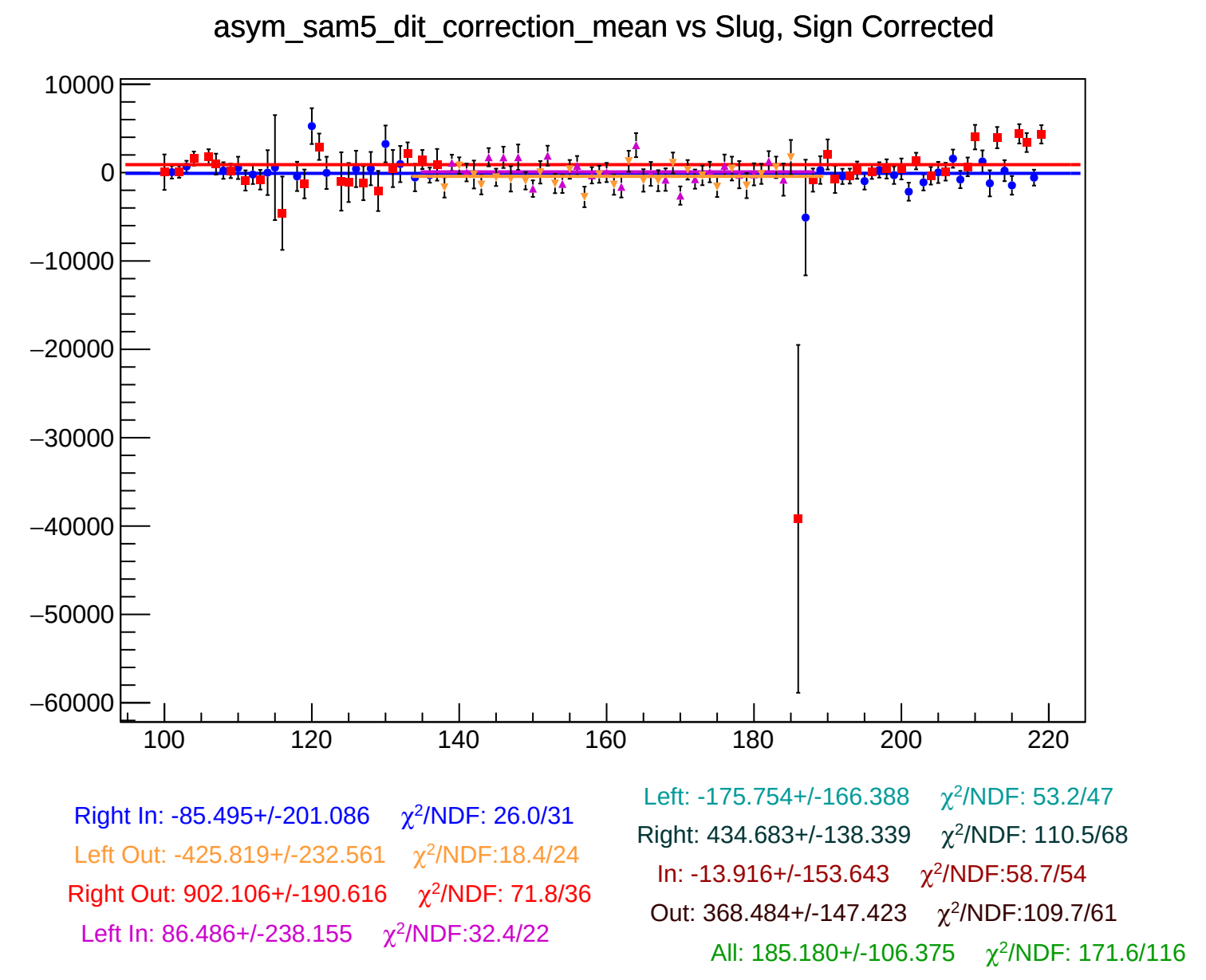
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 130.788+/-0.015 χ^2/NDF: 4865659.3/68

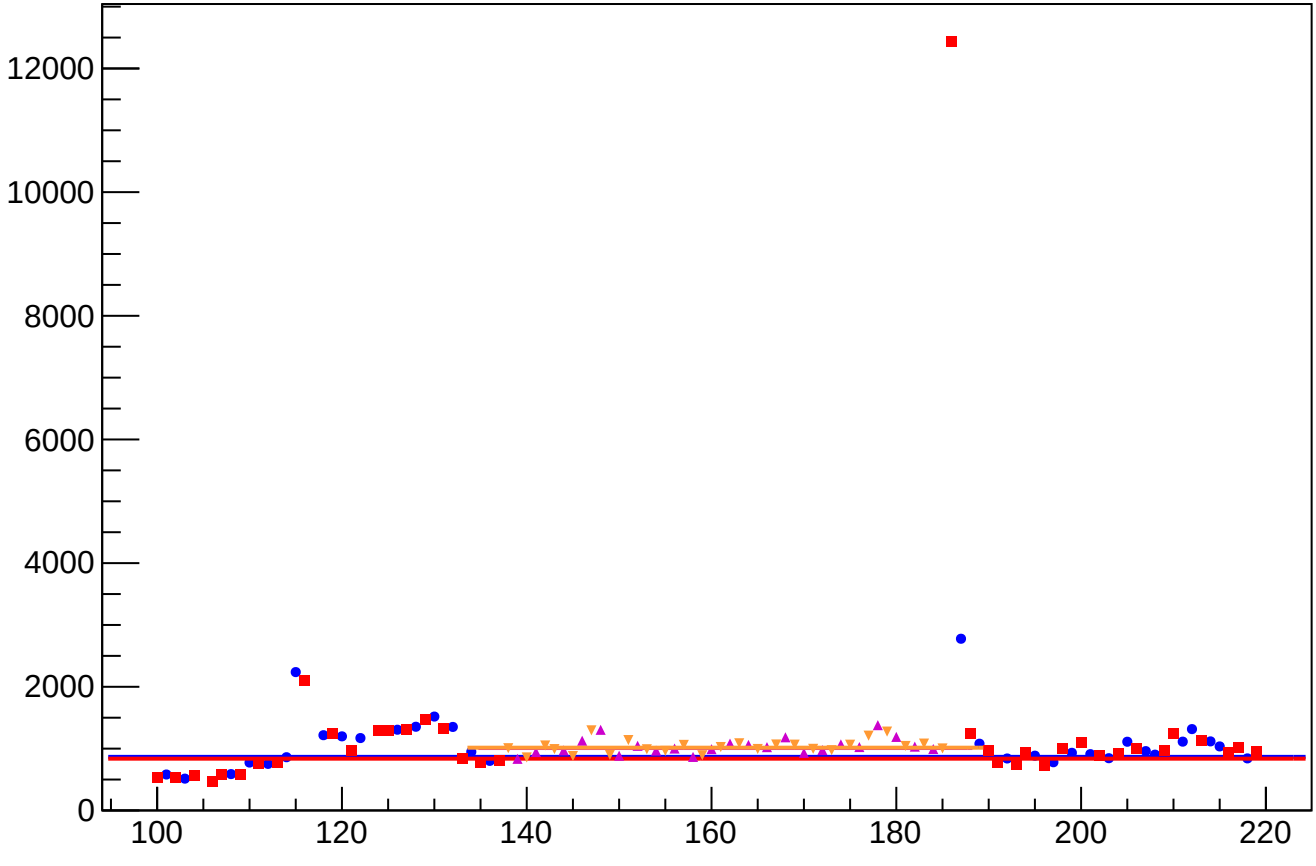
In: 146.897+/-0.017 χ^2/NDF:3611135.2/54

Out: 142.959+/-0.016 χ^2/NDF:5196153.8/61

All: 144.835+/-0.012 χ^2/NDF: 8834830.5/116


asym_sam5_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
120
140
160
180
200
220
Right In: -85.495+/-201.086 χ²/NDF: 26.0/31
Left Out: -425.819+/-232.561 χ²/NDF:18.4/24
Right Out: 902.106+/-190.616 χ²/NDF: 71.8/36
Left In: 86.486+/-238.155 χ²/NDF:32.4/22
Left: -175.754+/-166.388 χ²/NDF: 53.2/47
Right: 434.683+/-138.339 χ²/NDF: 110.5/68
In: -13.916+/-153.643 χ²/NDF:58.7/54
Out: 368.484+/-147.423 χ²/NDF:109.7/61
All: 185.180+/-106.375 χ²/NDF: 171.6/116

asym_sam5_dit_correction_rms vs Slug, Sign Corrected



Right In: 866.634+/-0.142 χ^2/NDF: 2691205.4/31

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 837.681+/-0.135 χ^2/NDF: 3800664.9/36

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

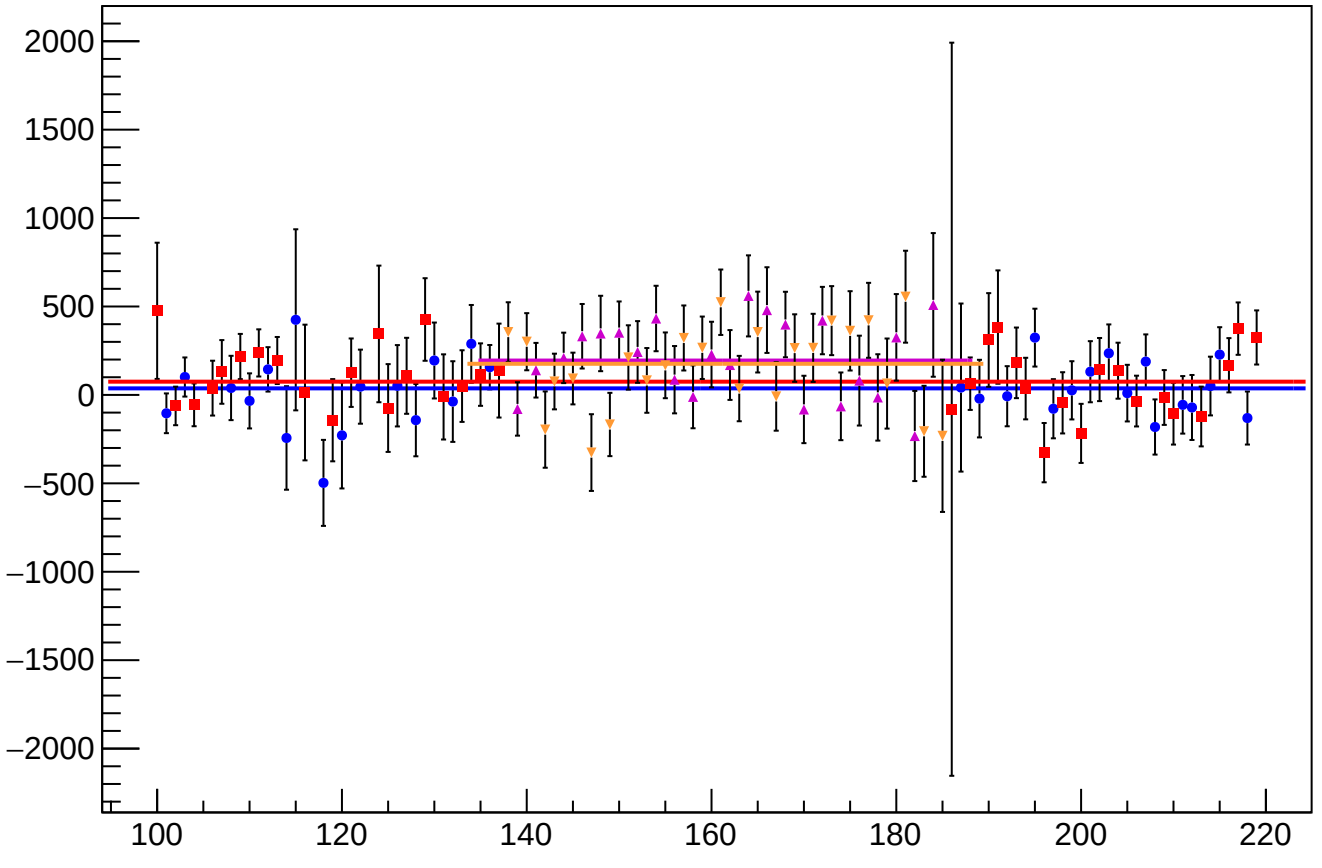
Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

Right: 851.384+/-0.098 χ^2/NDF: 6513709.7/68

In: 926.167+/-0.109 χ^2/NDF:3611176.3/54

Out: 908.954+/-0.104 χ^2/NDF:4894468.7/61

All: 917.205+/-0.075 χ^2/NDF: 8518714.0/116



Right In: 37.015+/-30.386 χ^2/NDF: 25.5/31

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 74.924+/-28.855 χ^2/NDF: 34.0/36

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

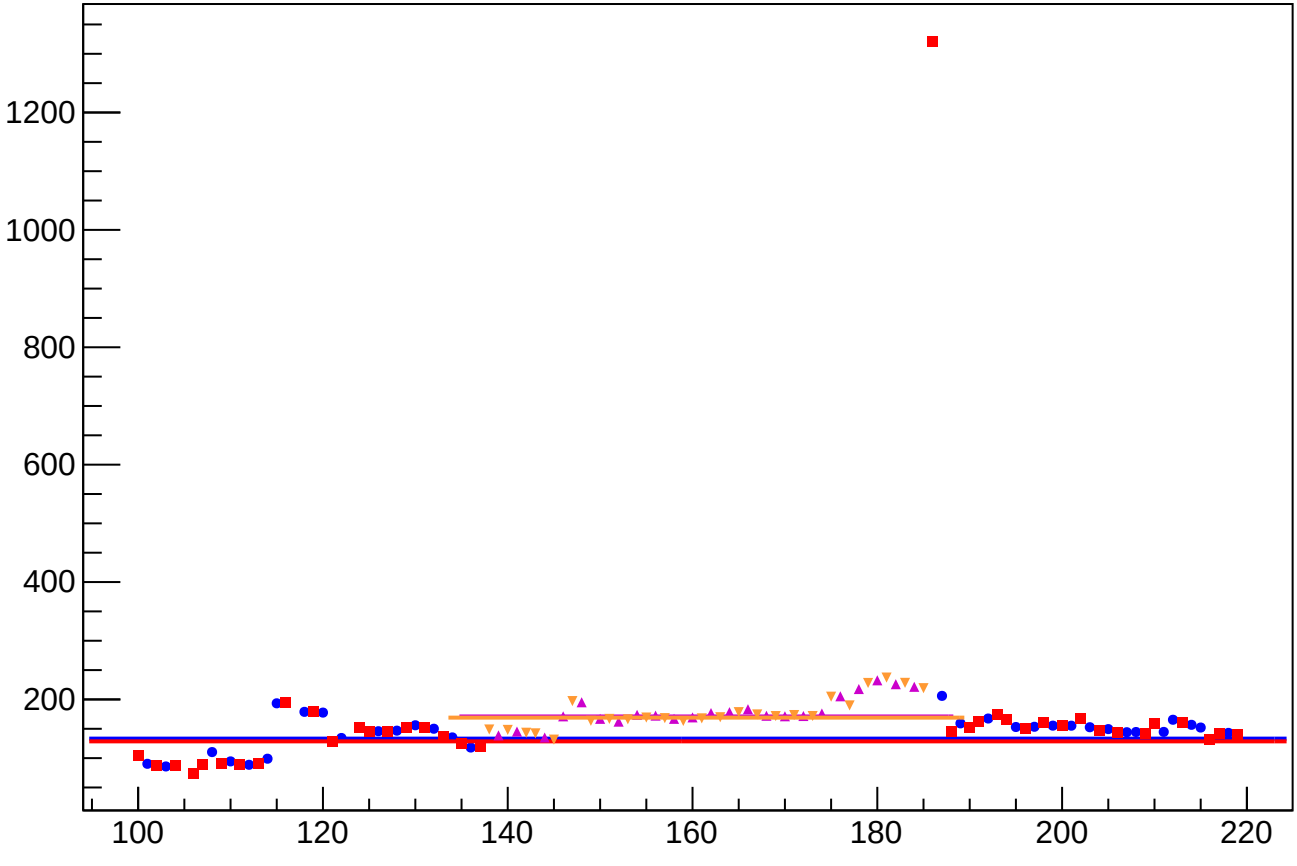
Right: 56.949+/-20.924 χ^2/NDF: 60.3/68

In: 93.881+/-24.280 χ^2/NDF:59.0/54

Out: 110.878+/-23.162 χ^2/NDF:69.1/61

All: 102.780+/-16.759 χ^2/NDF: 128.4/116

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 133.238+/-0.021 χ^2/NDF: 1815236.6/31

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 128.579+/-0.020 χ^2/NDF: 3025699.8/36

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

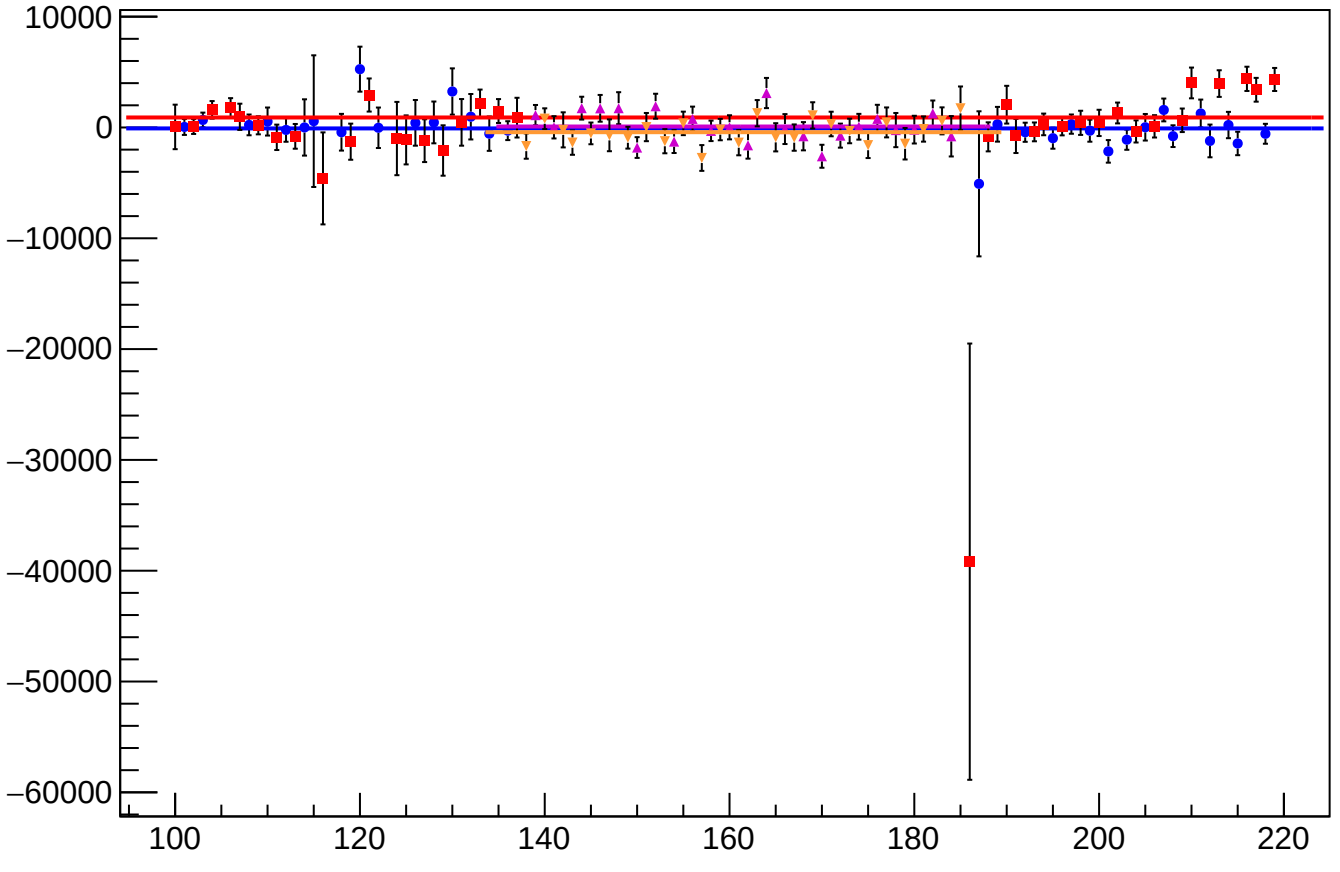
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 130.788+/-0.015 χ^2/NDF: 4865667.8/68

In: 146.897+/-0.017 χ^2/NDF:3611163.1/54

Out: 142.959+/-0.016 χ^2/NDF:5196166.7/61

All: 144.835+/-0.012 χ^2/NDF: 8834871.7/116



Right In: -85.493+/-201.085 χ^2/NDF: 26.0/31

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 902.107+/-190.616 χ^2/NDF: 71.8/36

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

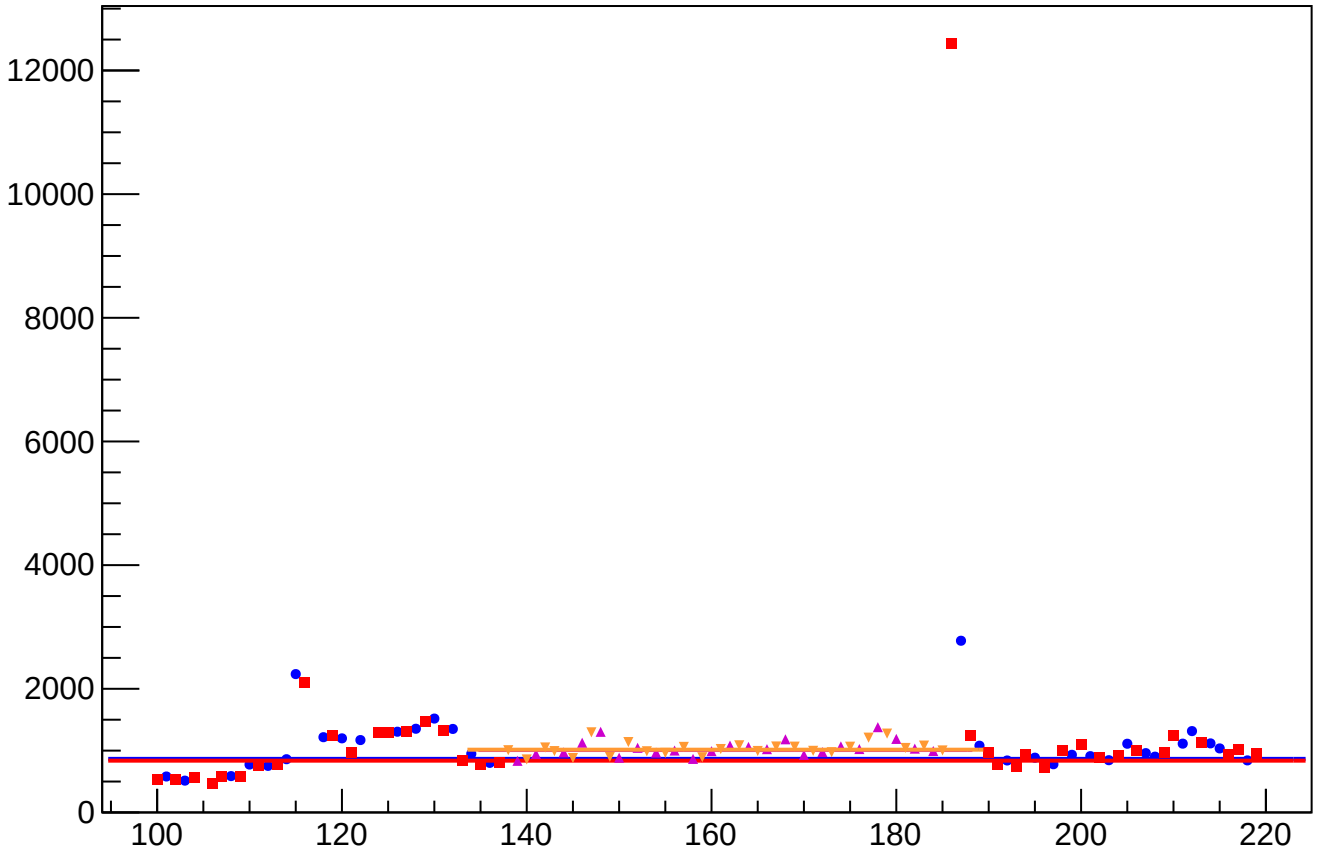
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 434.684+/-138.339 χ^2/NDF: 110.5/68

In: -13.915+/-153.643 χ^2/NDF:58.7/54

Out: 368.486+/-147.423 χ^2/NDF:109.7/61

All: 185.182+/-106.375 χ^2/NDF: 171.6/116



Right In: 866.634+/-0.142 χ^2/NDF: 2691205.9/31

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 837.680+/-0.135 χ^2/NDF: 3800667.5/36

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

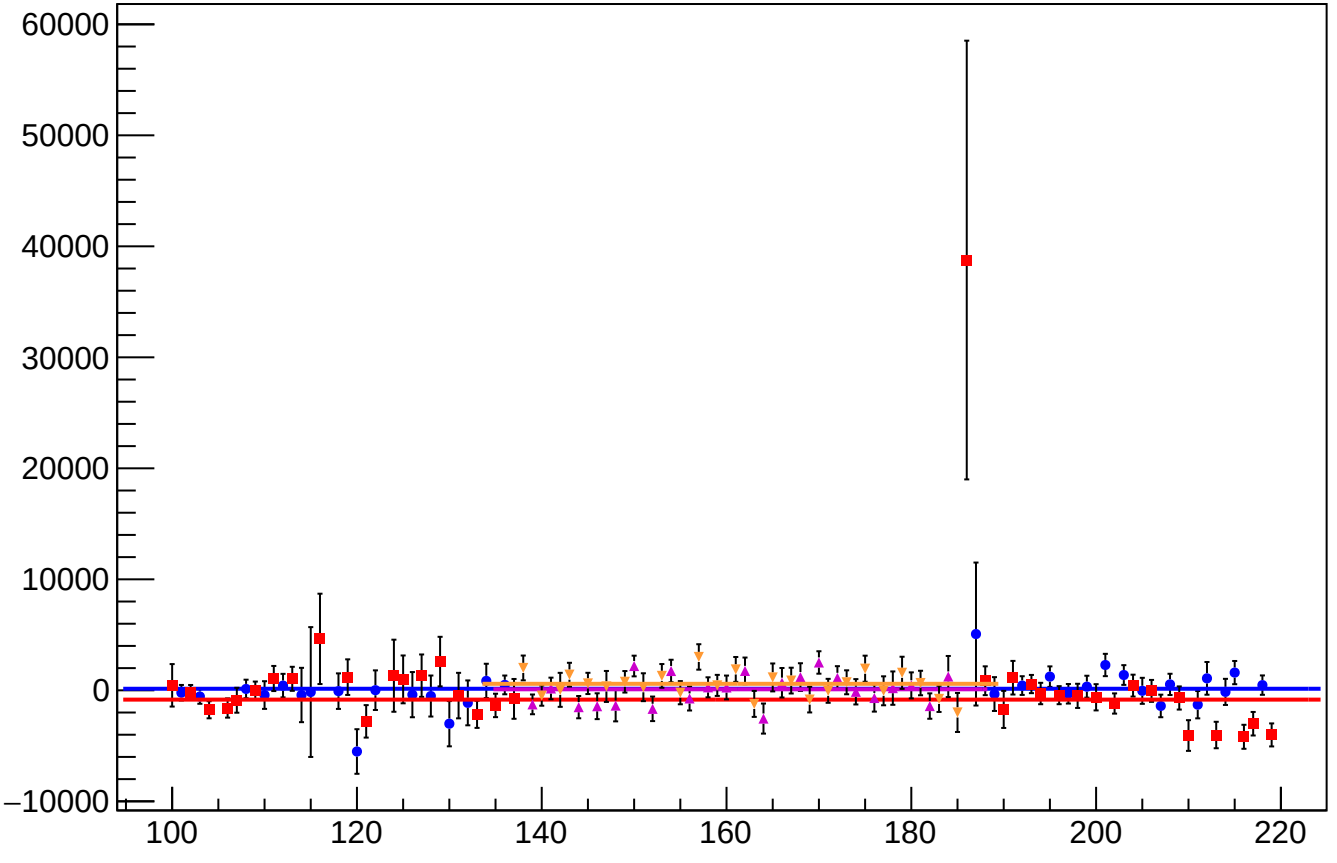
Right: 851.384+/-0.098 χ^2/NDF: 6513712.9/68

In: 926.167+/-0.109 χ^2/NDF:3611187.6/54

Out: 908.954+/-0.104 χ^2/NDF:4894482.8/61

All: 917.205+/-0.075 χ^2/NDF: 8518739.6/116

asym_sam5_mean vs Slug, Sign Corrected



Right In: 140.735+/-196.764 χ^2/NDF: 28.4/31

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -837.436+/-187.242 χ^2/NDF: 71.6/36

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

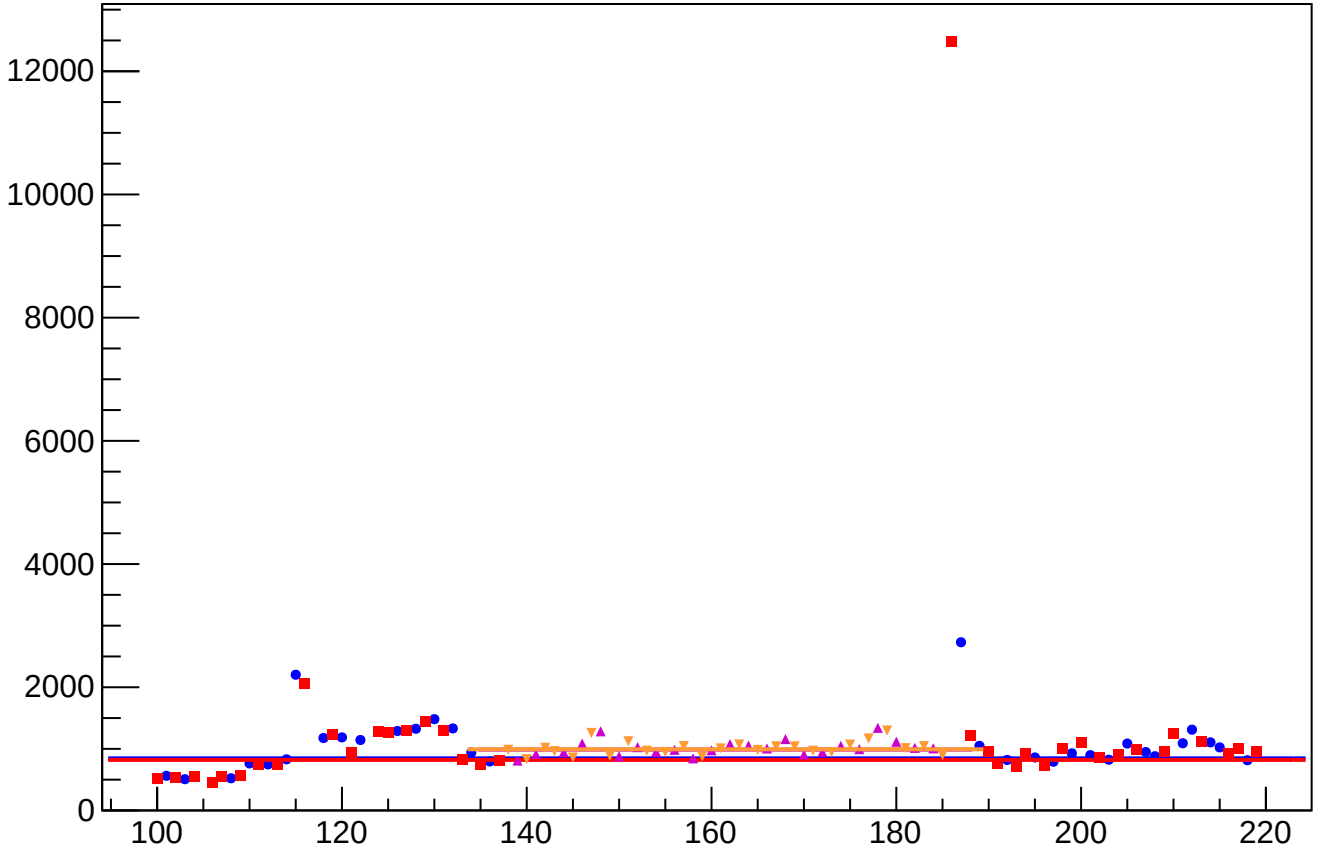
Right: -372.590+/-135.641 χ^2/NDF: 113.0/68

In: 120.736+/-150.336 χ^2/NDF:63.0/54

Out: -262.779+/-144.594 χ^2/NDF:115.7/61

All: -78.485+/-104.214 χ^2/NDF: 182.1/116

asym_sam5_rms vs Slug, Sign Corrected



Right In: 845.761+/-0.139 χ^2/NDF: 2834575.8/31

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 820.811+/-0.132 χ^2/NDF: 3925655.8/36

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

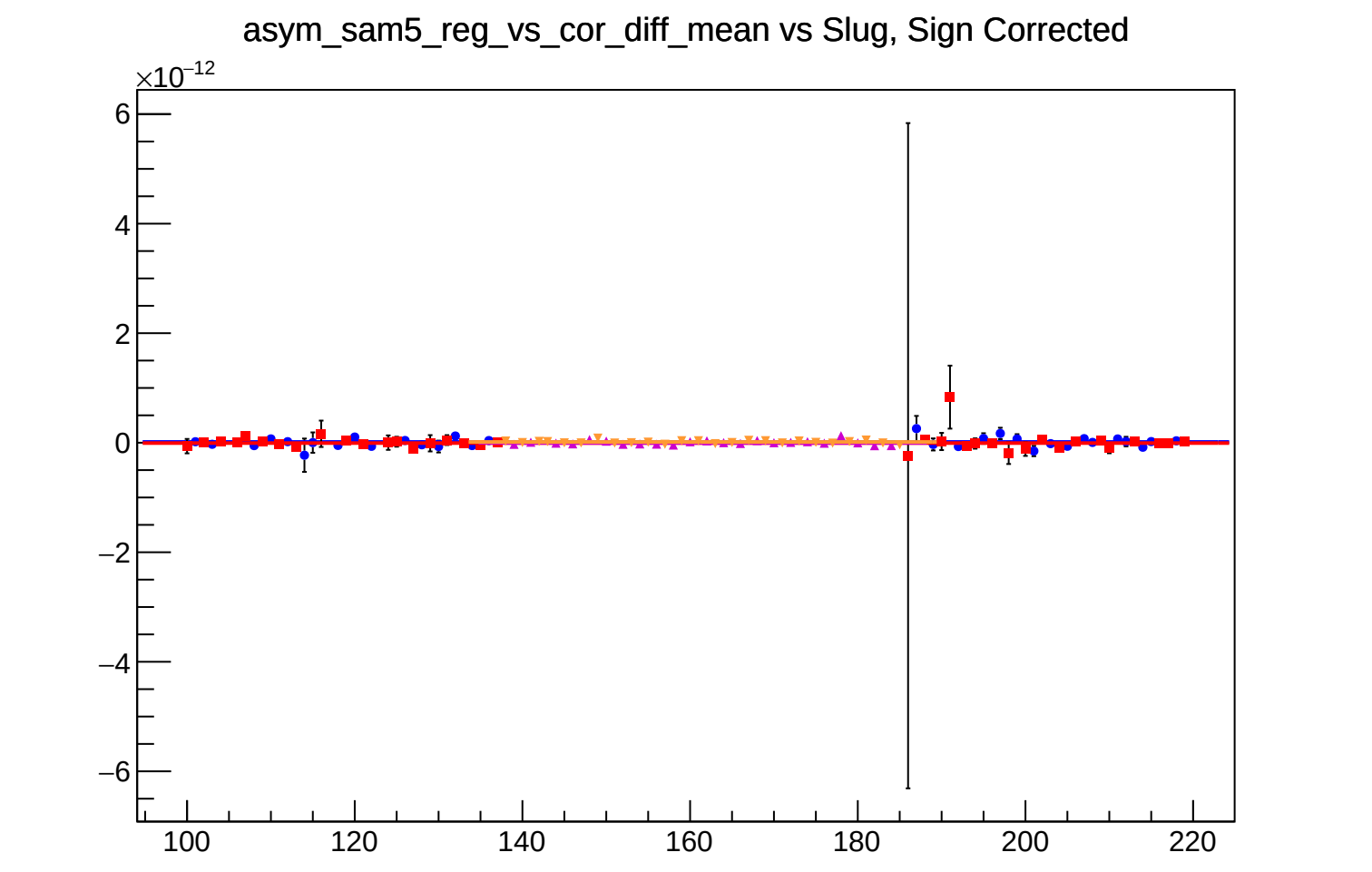
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 832.668+/-0.096 χ^2/NDF: 6777107.9/68

In: 904.877+/-0.106 χ^2/NDF:3756017.4/54

Out: 890.134+/-0.102 χ^2/NDF:5029713.6/61

All: 897.219+/-0.074 χ^2/NDF: 8795721.4/116



Right In: 0.000+/-0.000 χ^2/NDF: 33.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/36

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

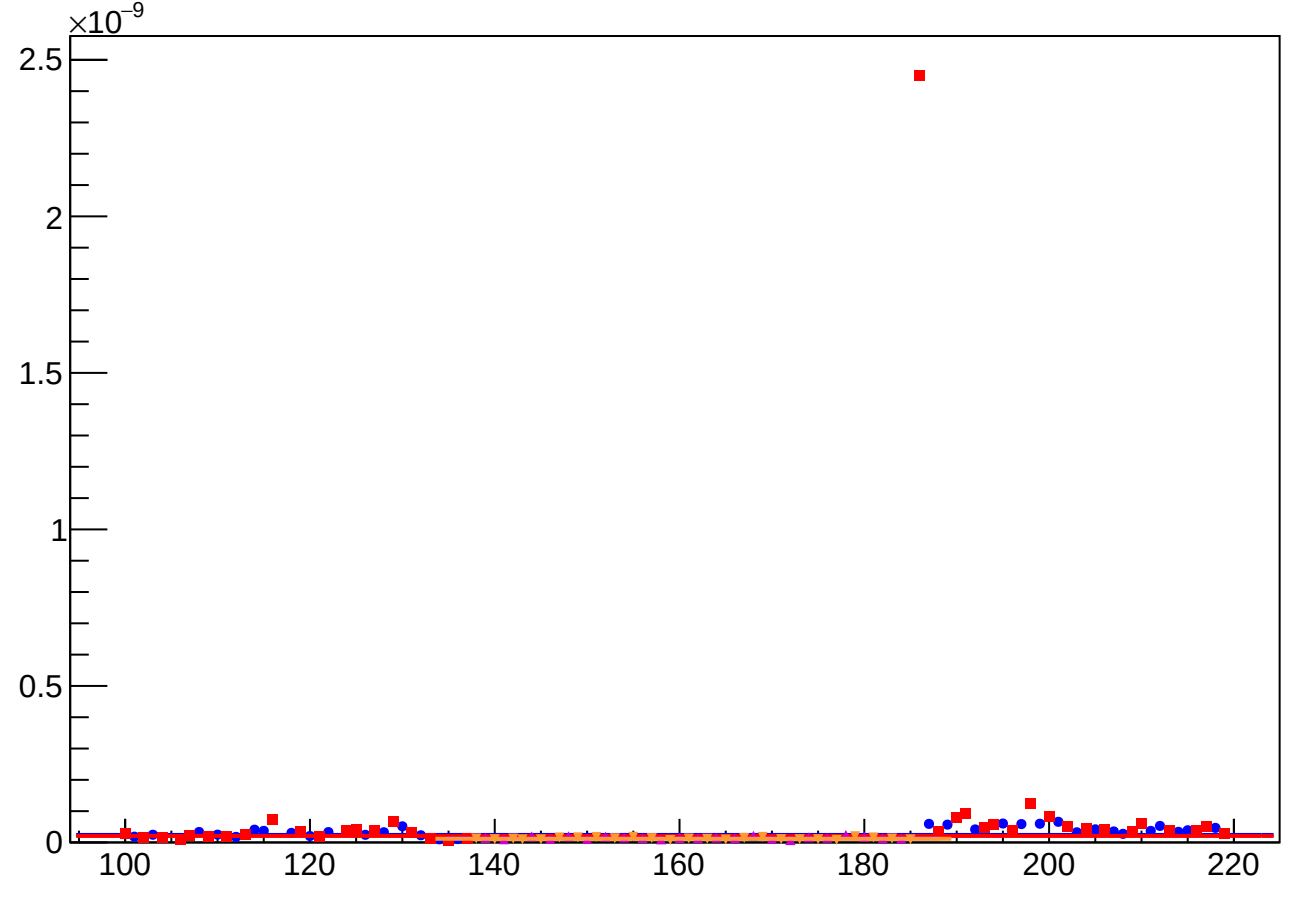
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 61.8/68

In: 0.000+/-0.000 χ^2/NDF:64.2/54

Out: 0.000+/-0.000 χ^2/NDF:53.1/61

All: 0.000+/-0.000 χ^2/NDF: 118.7/116



Right In: 0.000+/-0.000 χ^2/NDF: 4505777.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7090911.6/36

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

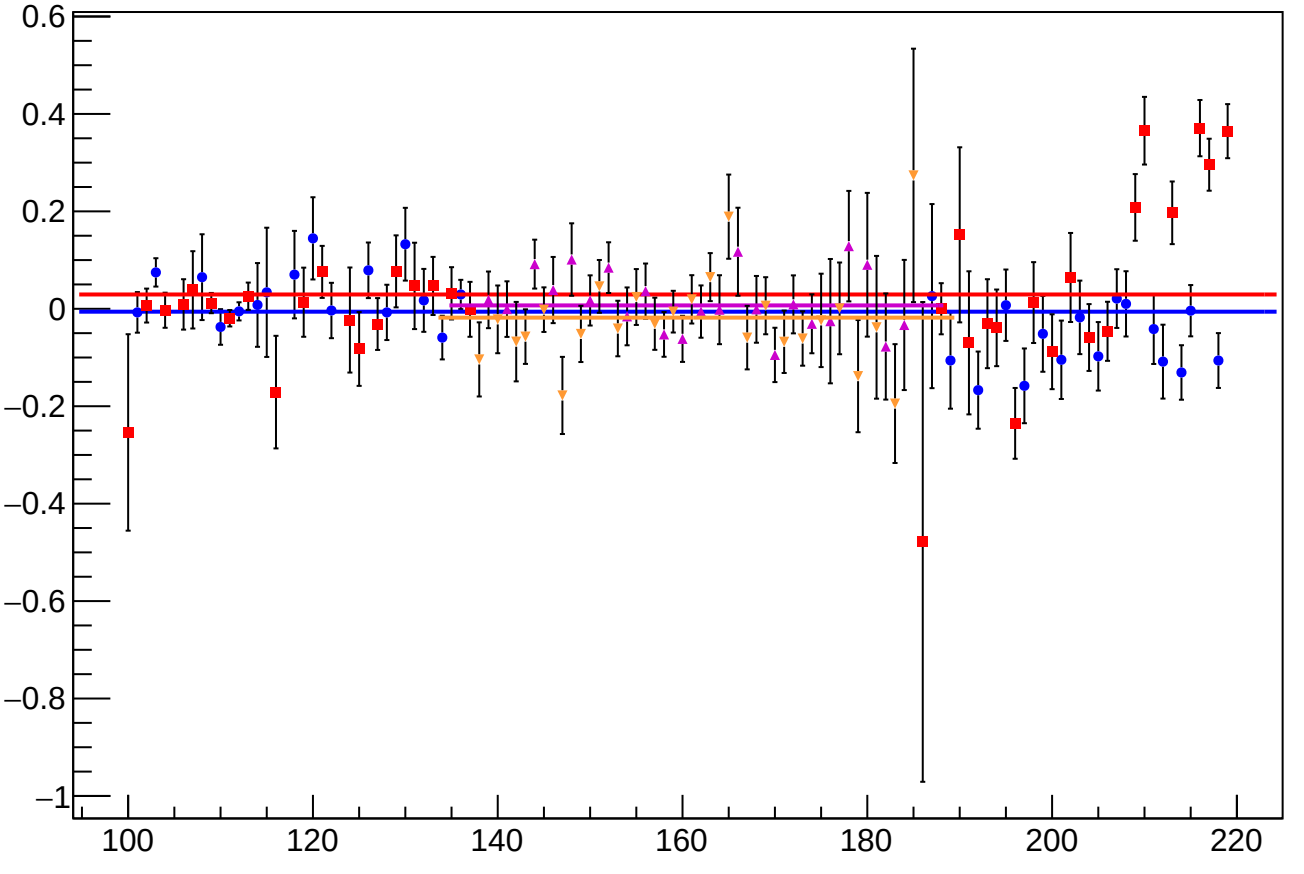
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11729650.3/68

In: 0.000+/-0.000 χ^2/NDF:7381742.9/54

Out: 0.000+/-0.000 χ^2/NDF:9711567.7/61

All: 0.000+/-0.000 χ^2/NDF: 17374141.4/116



Right In: -0.006+/-0.009 χ^2/NDF: 44.9/31

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.029+/-0.008 χ^2/NDF: 176.7/36

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

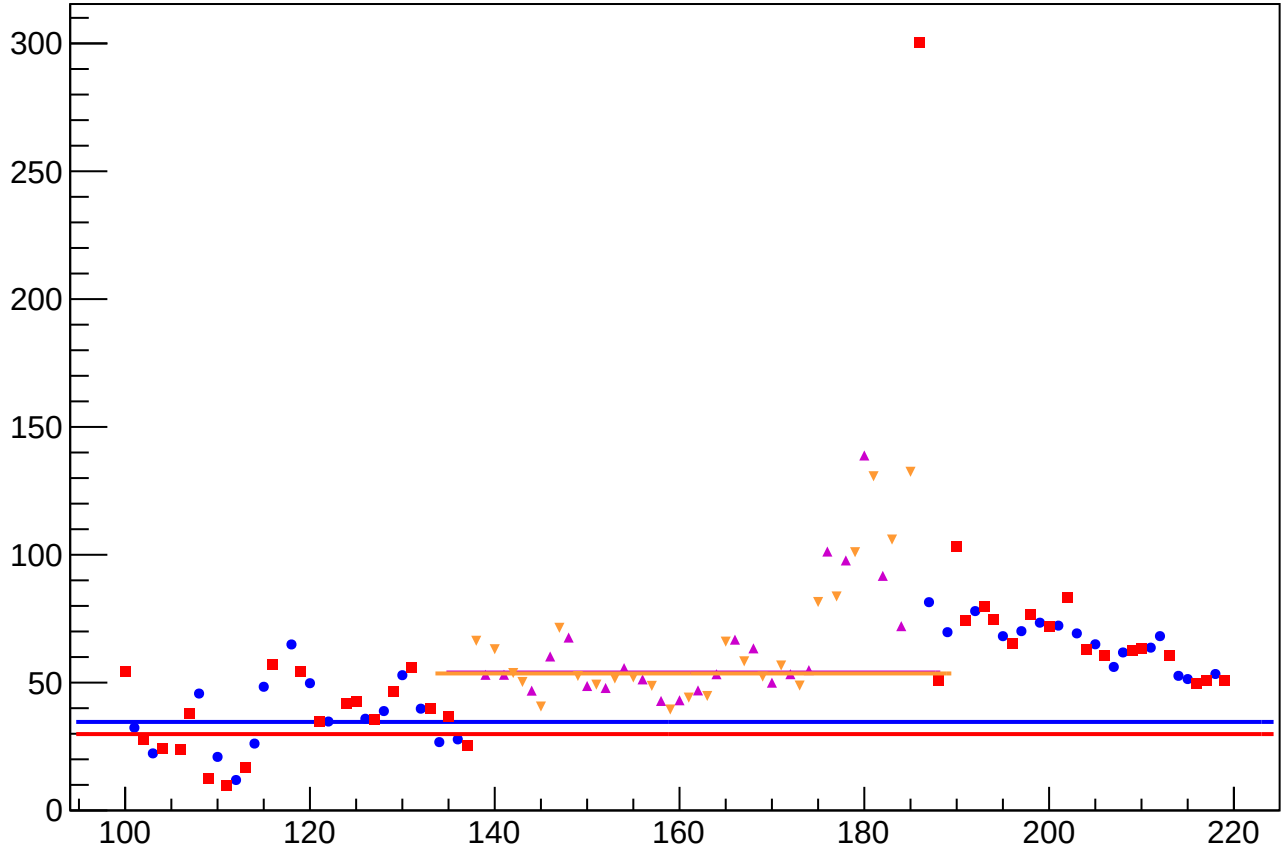
Right: 0.014+/-0.006 χ^2/NDF: 230.0/68

In: -0.002+/-0.007 χ^2/NDF:64.2/54

Out: 0.016+/-0.007 χ^2/NDF:210.9/61

All: 0.008+/-0.005 χ^2/NDF: 278.1/116

asym_sam5_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.623+/-0.006 χ^2/NDF: 9776299.1/31

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 29.868+/-0.006 χ^2/NDF: 13923181.0/36

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

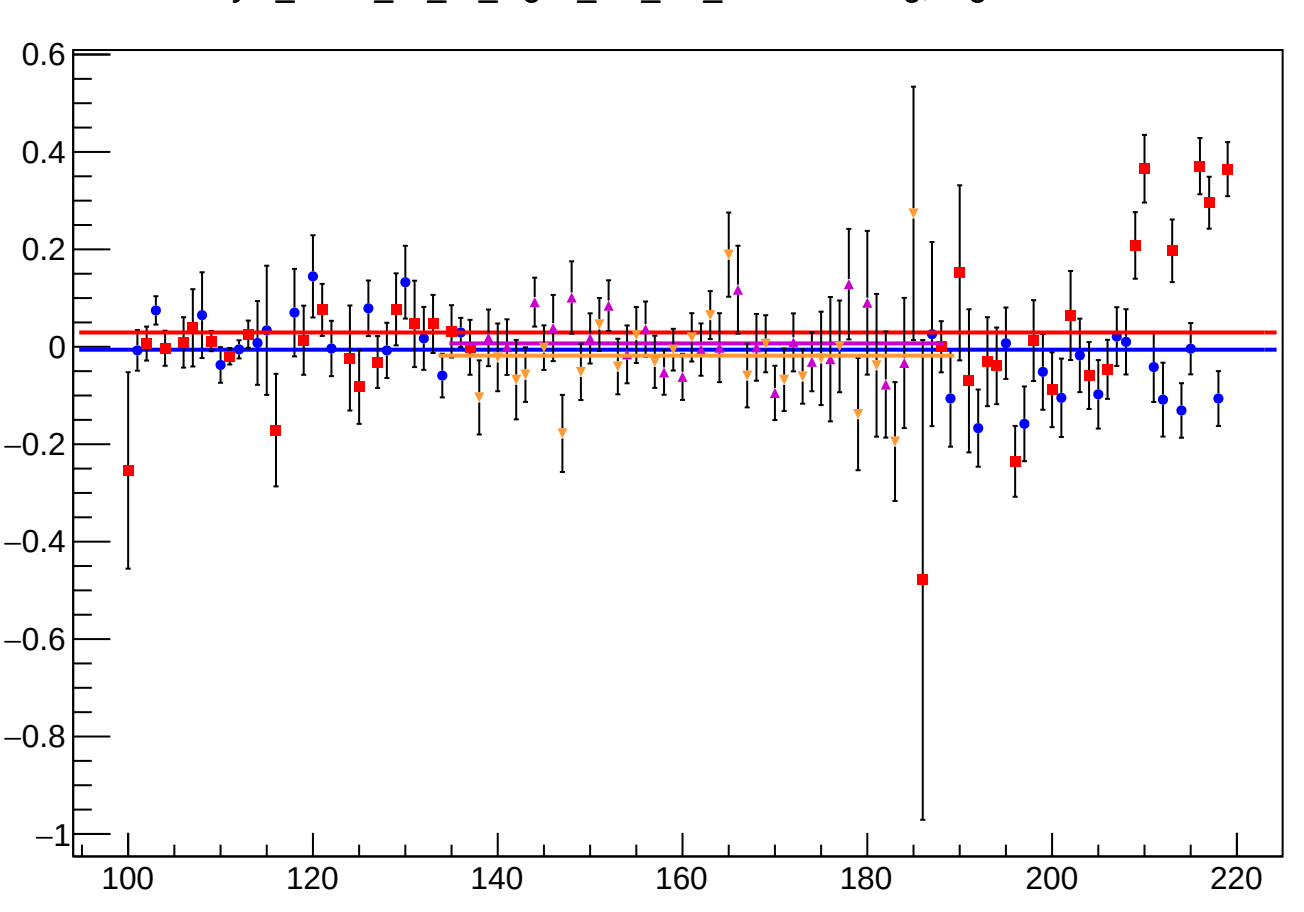
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 31.977+/-0.004 χ^2/NDF: 24004656.4/68

In: 40.840+/-0.005 χ^2/NDF:14731445.0/54

Out: 36.655+/-0.005 χ^2/NDF:21464968.7/61

All: 38.563+/-0.004 χ^2/NDF: 36536881.4/116



Right In: -0.006+/-0.009 χ^2/NDF: 44.9/31

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.029+/-0.008 χ^2/NDF: 176.7/36

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

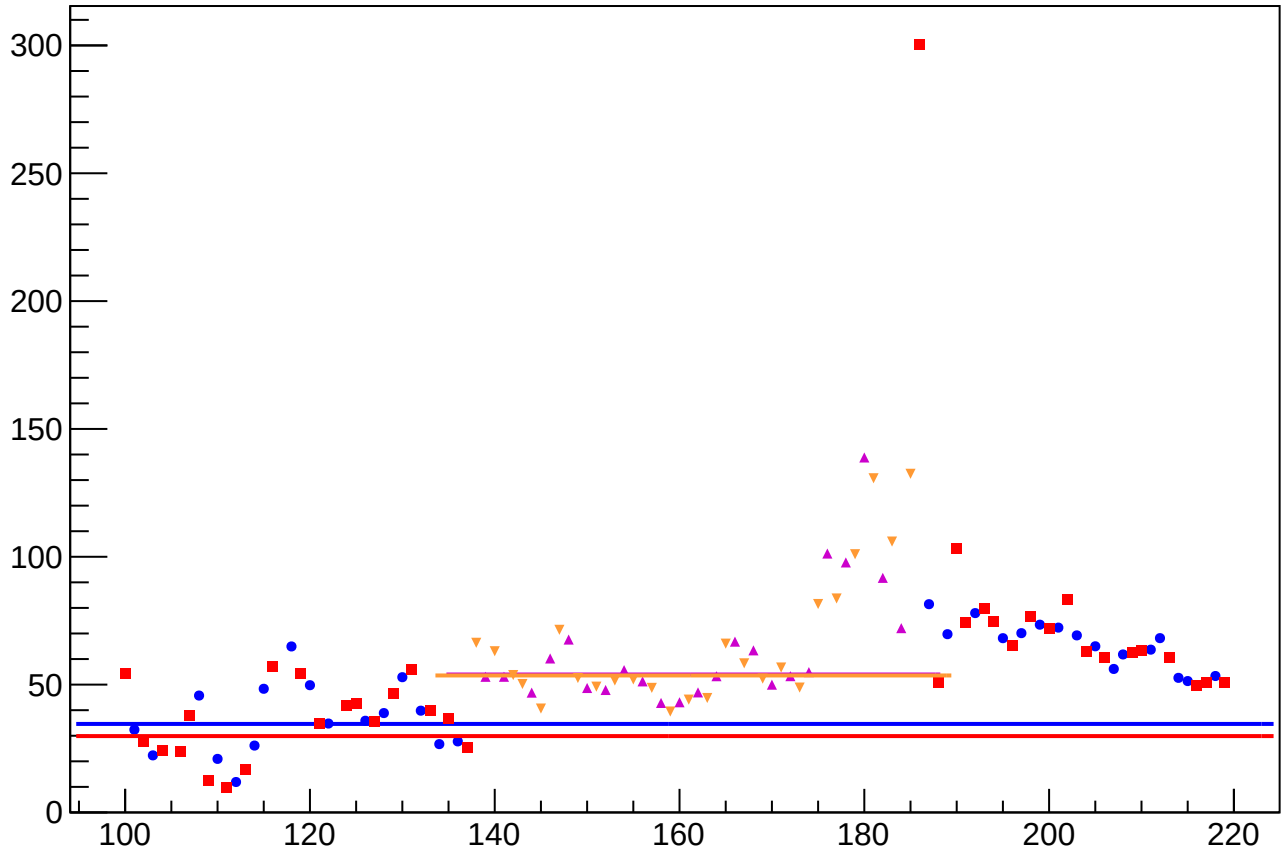
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.014+/-0.006 χ^2/NDF: 230.0/68

In: -0.002+/-0.007 χ^2/NDF:64.2/54

Out: 0.016+/-0.007 χ^2/NDF:210.9/61

All: 0.008+/-0.005 χ^2/NDF: 278.1/116



Right In: 34.623+/-0.006 χ^2/NDF: 9776299.1/31

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 29.868+/-0.006 χ^2/NDF: 13923181.0/36

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

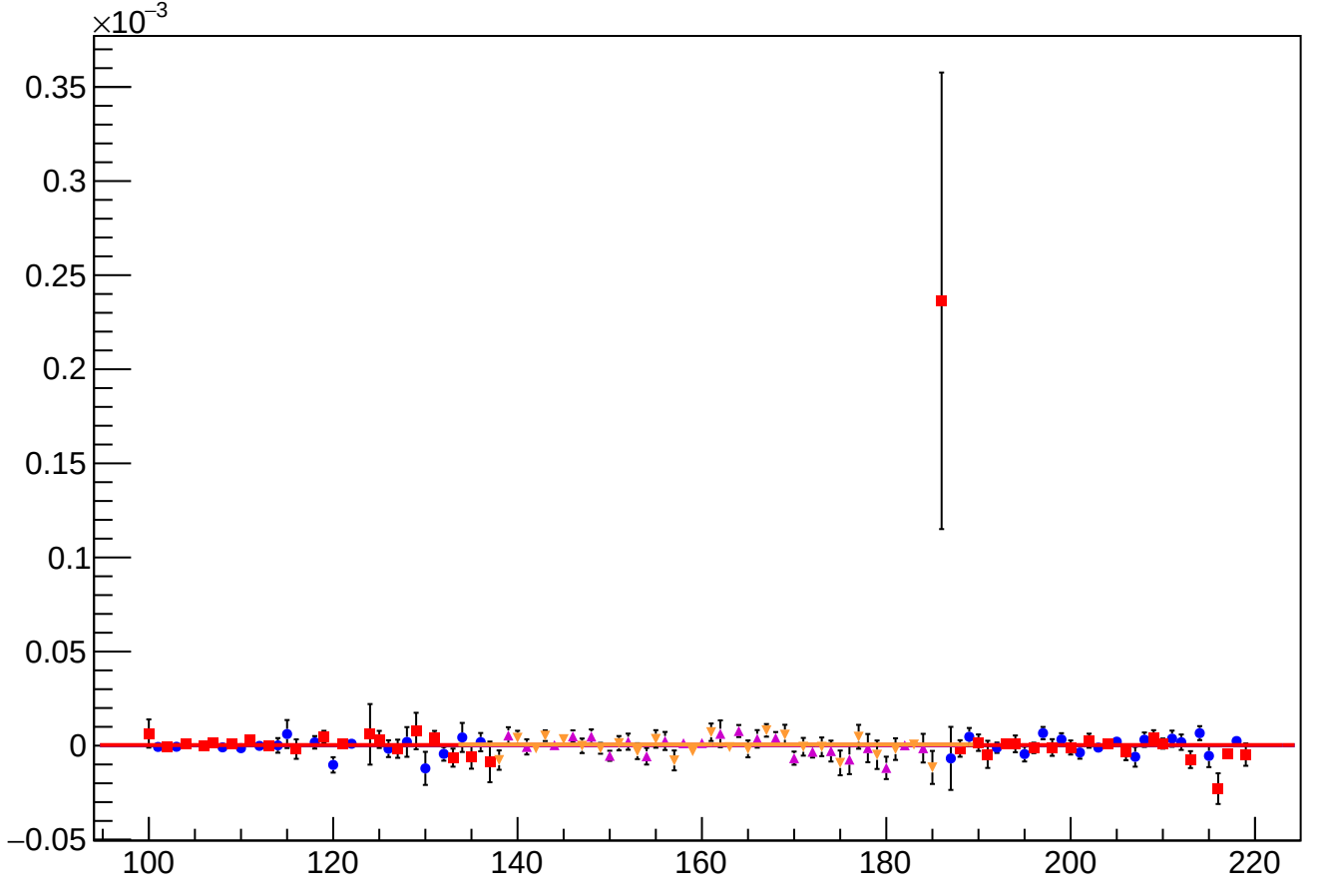
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 31.977+/-0.004 χ^2/NDF: 24004656.4/68

In: 40.840+/-0.005 χ^2/NDF:14731445.0/54

Out: 36.655+/-0.005 χ^2/NDF:21464968.7/61

All: 38.563+/-0.004 χ^2/NDF: 36536881.4/116



Right In: 0.000+/-0.000 χ^2/NDF: 31.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.2/36

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

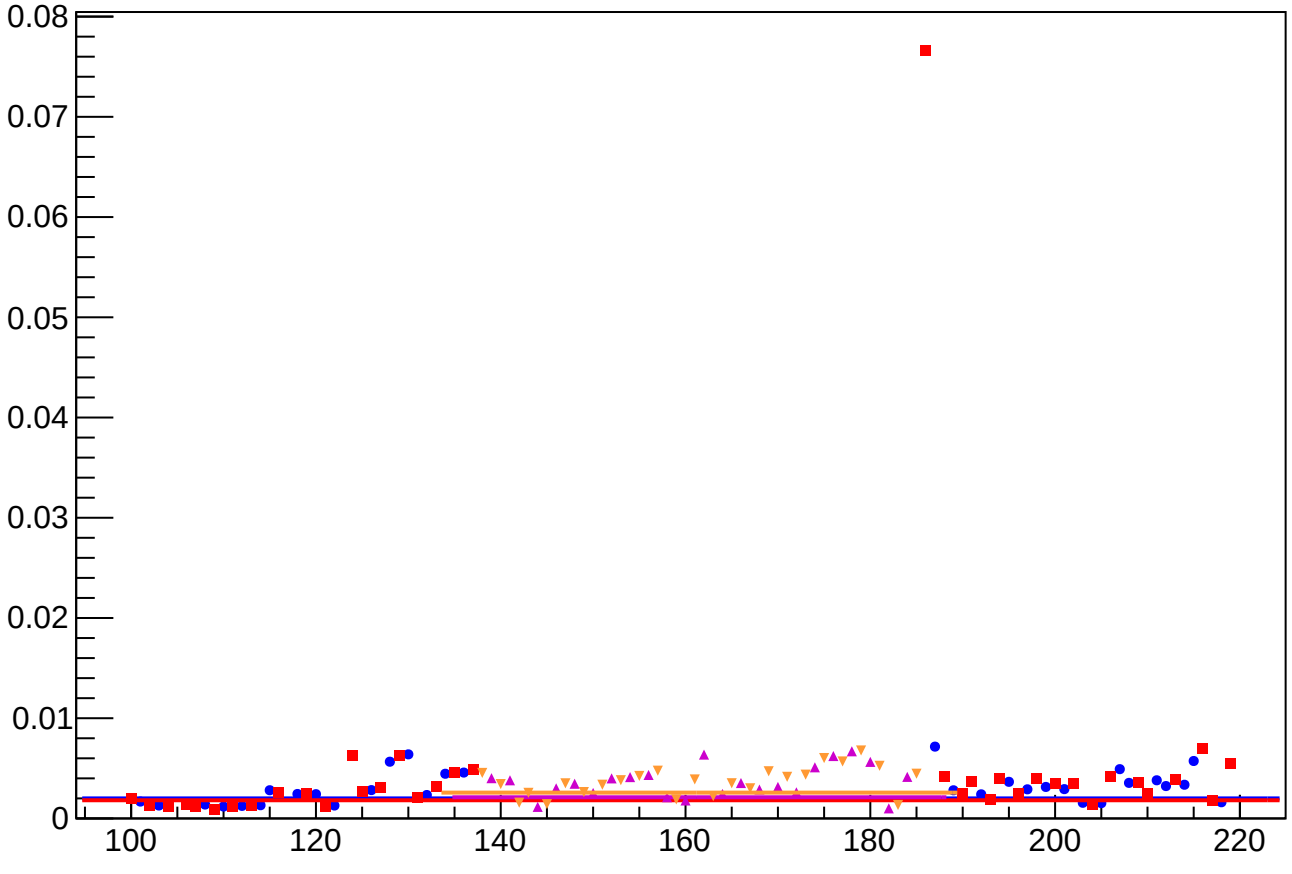
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 68.8/68

In: 0.000+/-0.000 χ^2/NDF:62.6/54

Out: 0.000+/-0.000 χ^2/NDF:68.3/61

All: 0.000+/-0.000 χ^2/NDF: 130.9/116



Right In: 0.002+/-0.000 χ^2/NDF: 7468687.9/31

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10599142.3/36

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

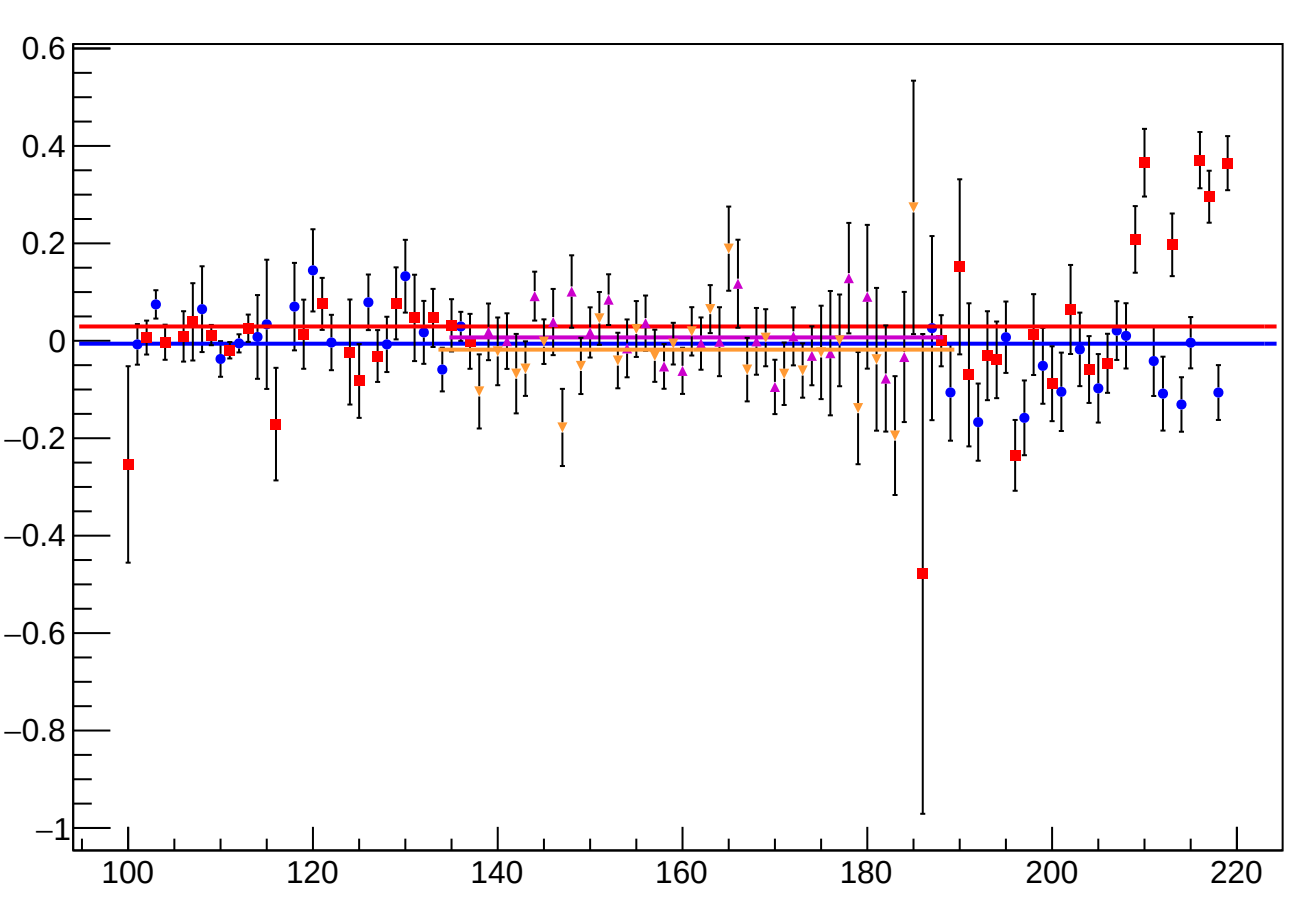
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 18208110.5/68

In: 0.002+/-0.000 χ^2/NDF:16997843.7/54

Out: 0.002+/-0.000 χ^2/NDF:19474484.7/61

All: 0.002+/-0.000 χ^2/NDF: 36474412.1/116



Right In: -0.006+/-0.009 χ^2/NDF: 44.9/31

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.029+/-0.008 χ^2/NDF: 176.7/36

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

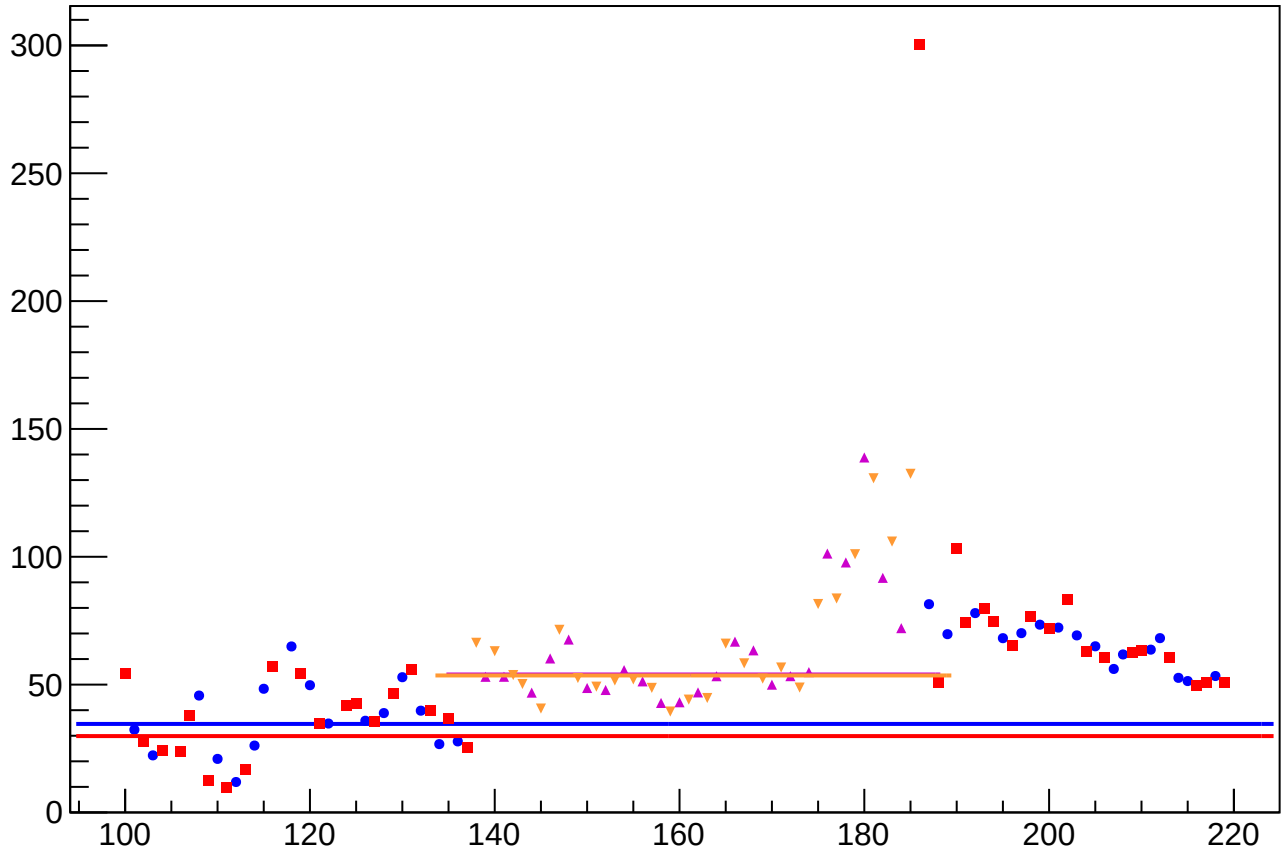
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.014+/-0.006 χ^2/NDF: 230.0/68

In: -0.002+/-0.007 χ^2/NDF:64.2/54

Out: 0.016+/-0.007 χ^2/NDF:210.9/61

All: 0.008+/-0.005 χ^2/NDF: 278.1/116



Right In: 34.622+/-0.006 χ^2/NDF: 9776459.2/31

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 29.868+/-0.006 χ^2/NDF: 13923408.8/36

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

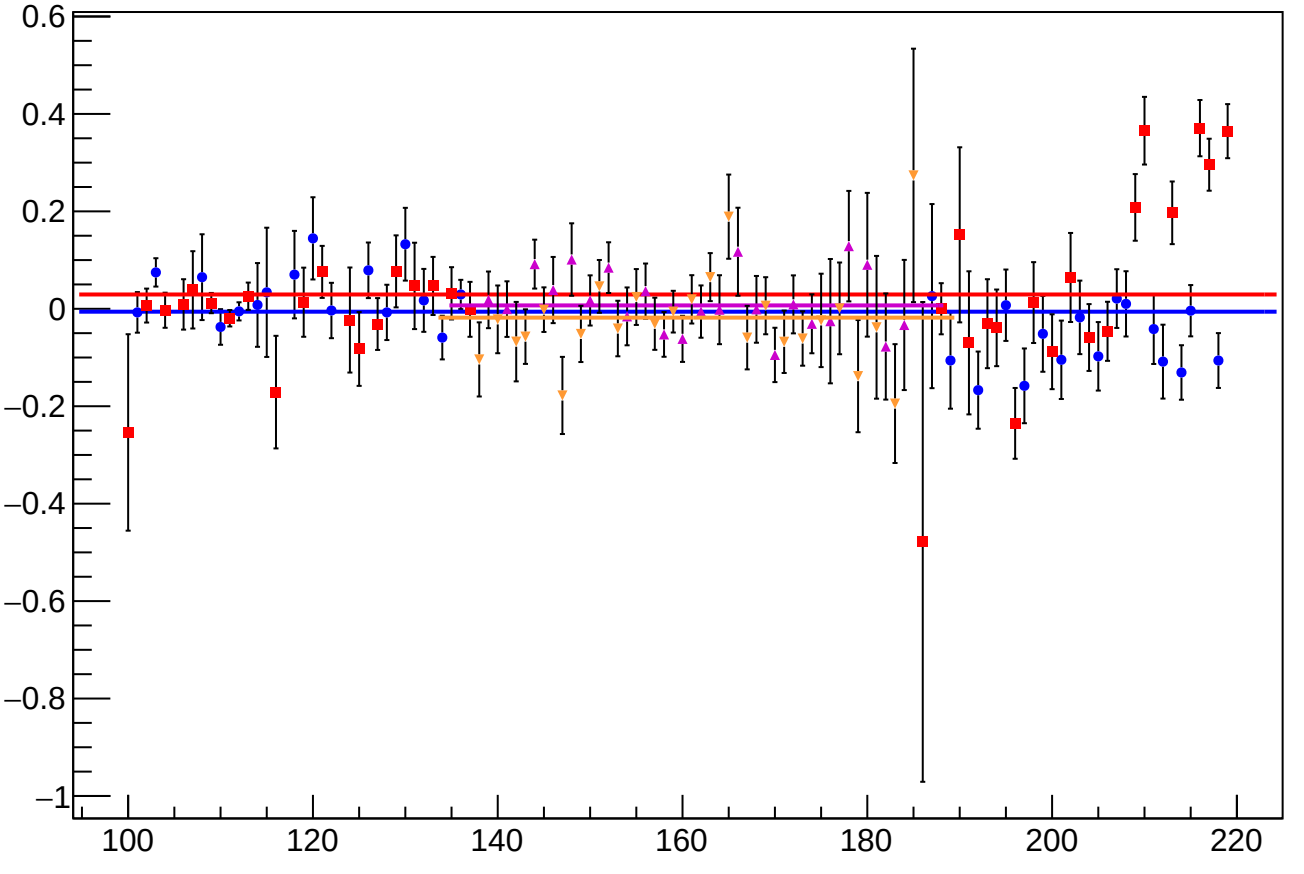
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 31.976+/-0.004 χ^2/NDF: 24005061.6/68

In: 40.839+/-0.005 χ^2/NDF:14731957.7/54

Out: 36.654+/-0.005 χ^2/NDF:21465680.3/61

All: 38.562+/-0.004 χ^2/NDF: 36538132.7/116



Right In: -0.006+/-0.009 χ^2/NDF: 44.9/31

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.029+/-0.008 χ^2/NDF: 176.7/36

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

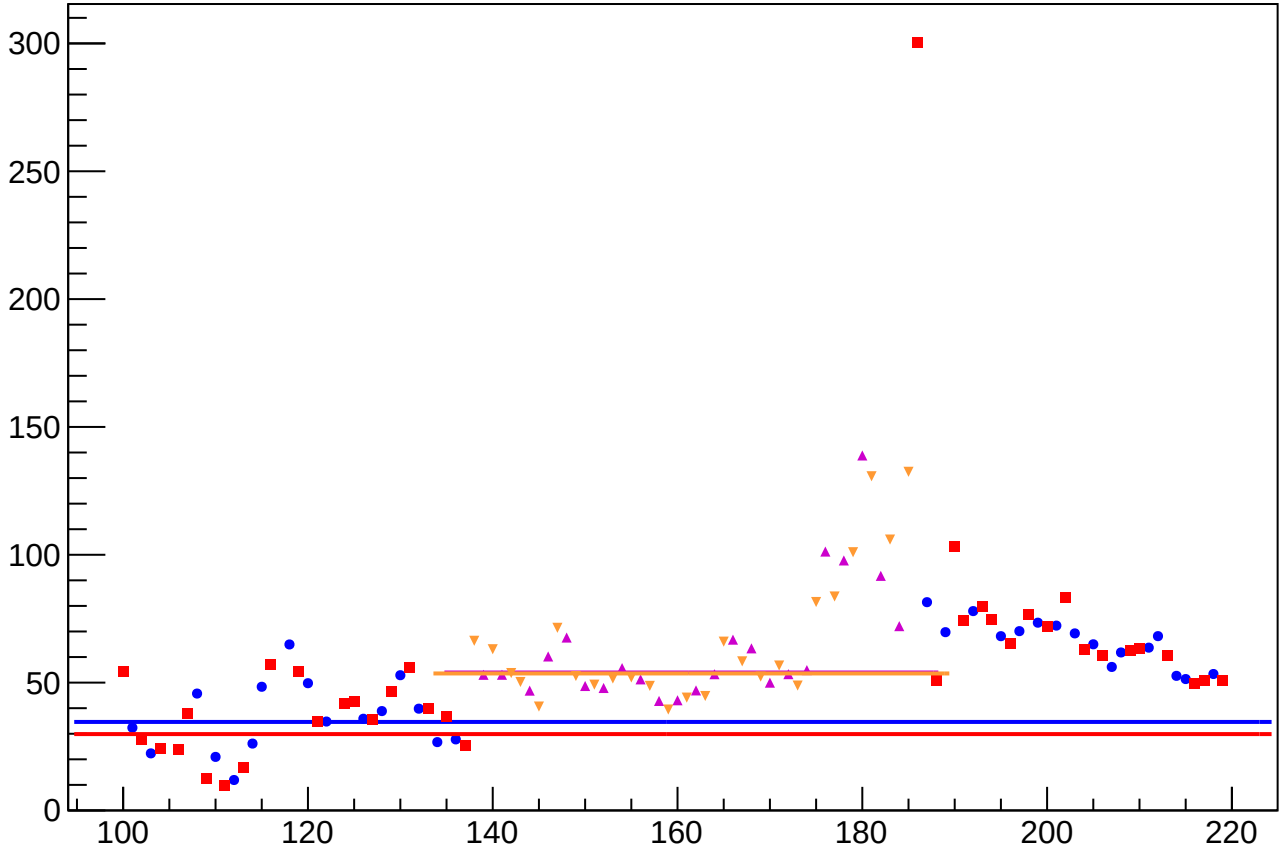
Right: 0.014+/-0.006 χ^2/NDF: 230.0/68

In: -0.002+/-0.007 χ^2/NDF:64.2/54

Out: 0.016+/-0.007 χ^2/NDF:210.9/61

All: 0.008+/-0.005 χ^2/NDF: 278.1/116

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.622+/-0.006 χ^2/NDF: 9776459.2/31

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 29.868+/-0.006 χ^2/NDF: 13923408.8/36

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

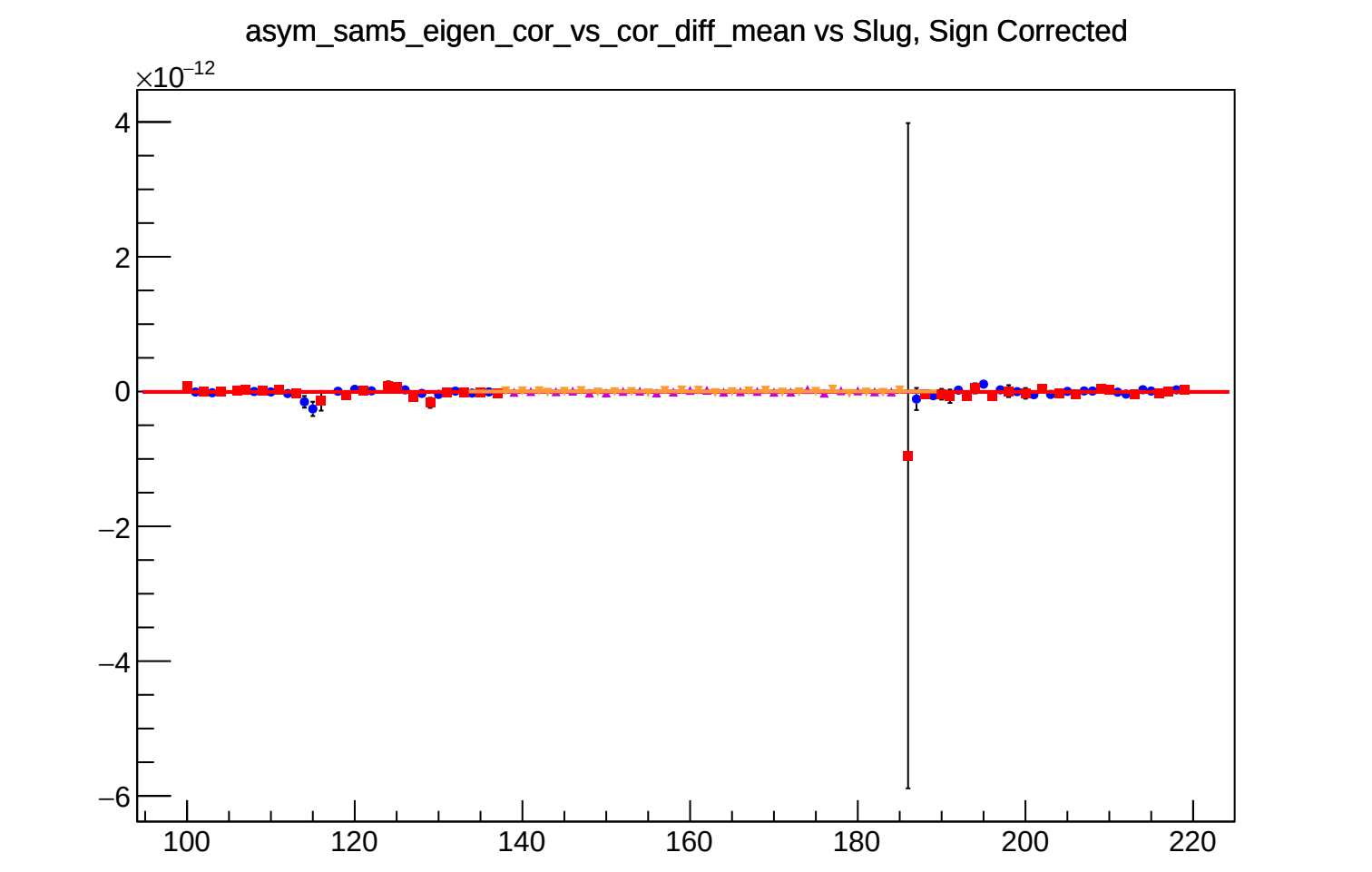
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 31.976+/-0.004 χ^2/NDF: 24005061.6/68

In: 40.839+/-0.005 χ^2/NDF:14731957.7/54

Out: 36.654+/-0.005 χ^2/NDF:21465680.3/61

All: 38.562+/-0.004 χ^2/NDF: 36538132.7/116



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.3/36

Left In: -0.000+/-0.000 χ^2/NDF:18.1/22

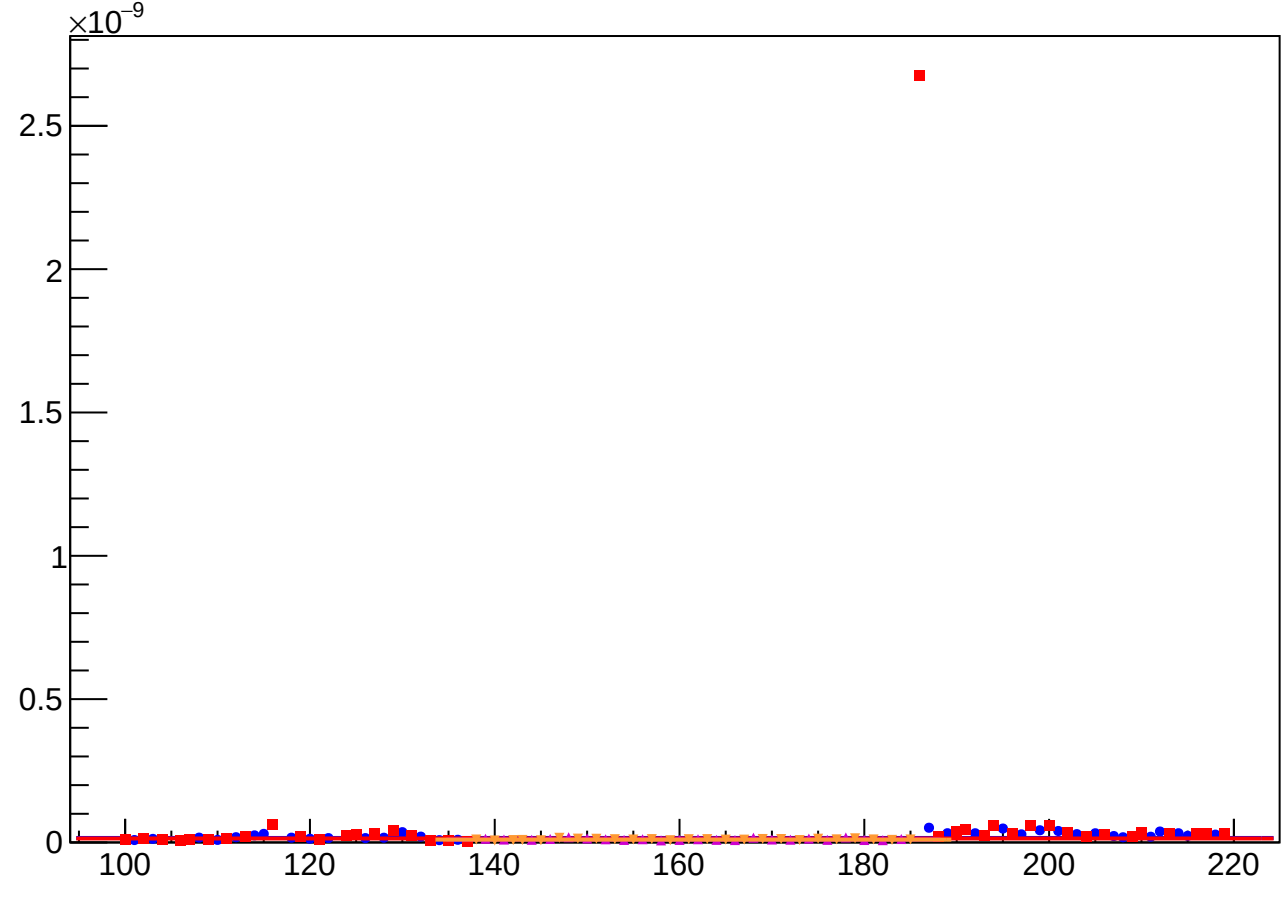
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 66.0/68

In: -0.000+/-0.000 χ^2/NDF:43.5/54

Out: -0.000+/-0.000 χ^2/NDF:70.2/61

All: -0.000+/-0.000 χ^2/NDF: 113.9/116



Right In: 0.000+/-0.000 χ^2/NDF: 6260395.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10191052.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

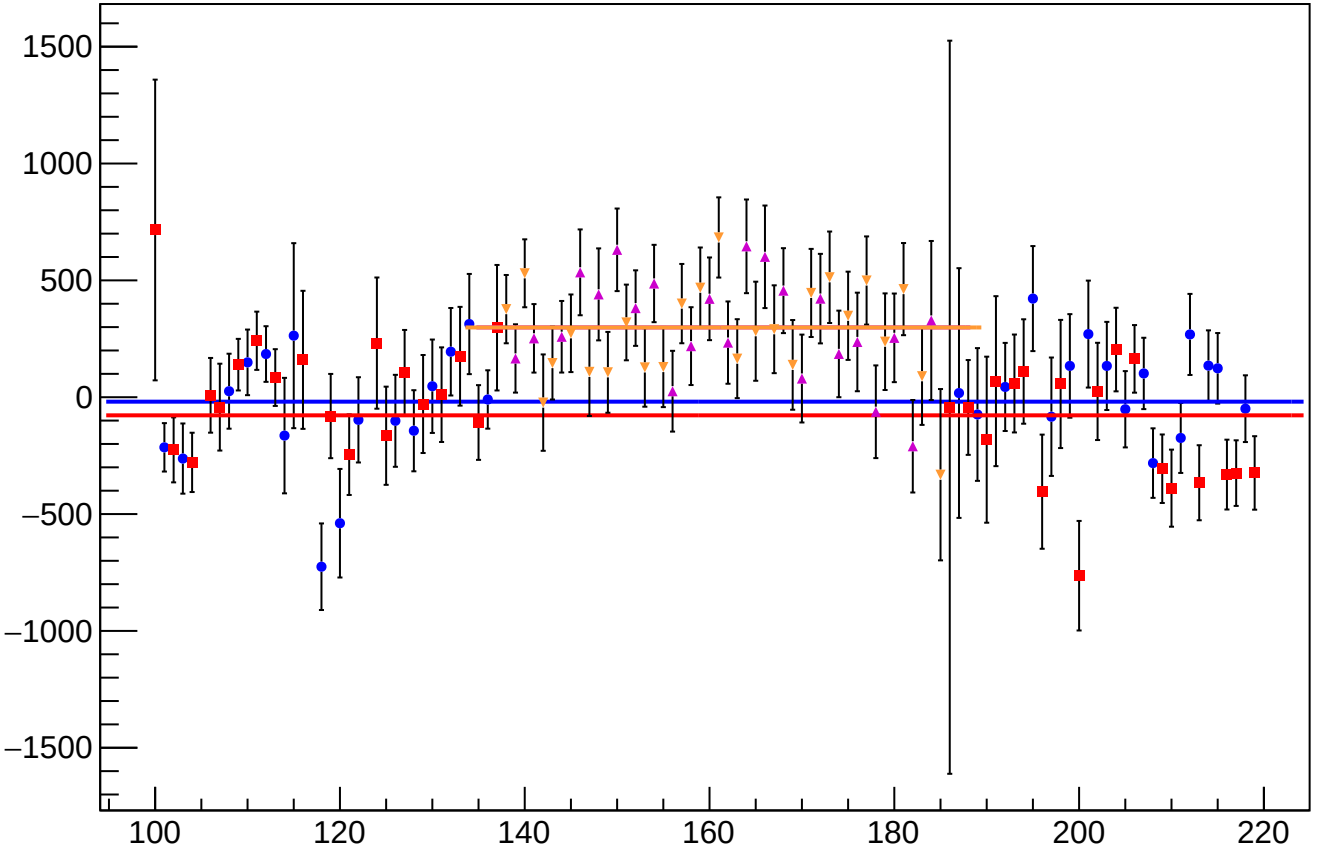
Right: 0.000+/-0.000 χ^2/NDF: 16594688.8/68

In: 0.000+/-0.000 χ^2/NDF:9356764.1/54

Out: 0.000+/-0.000 χ^2/NDF:12489490.1/61

All: 0.000+/-0.000 χ^2/NDF: 21930749.7/116

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -19.031+/-30.373 χ^2/NDF: 52.1/31

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -77.512+/-29.443 χ^2/NDF: 60.5/36

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

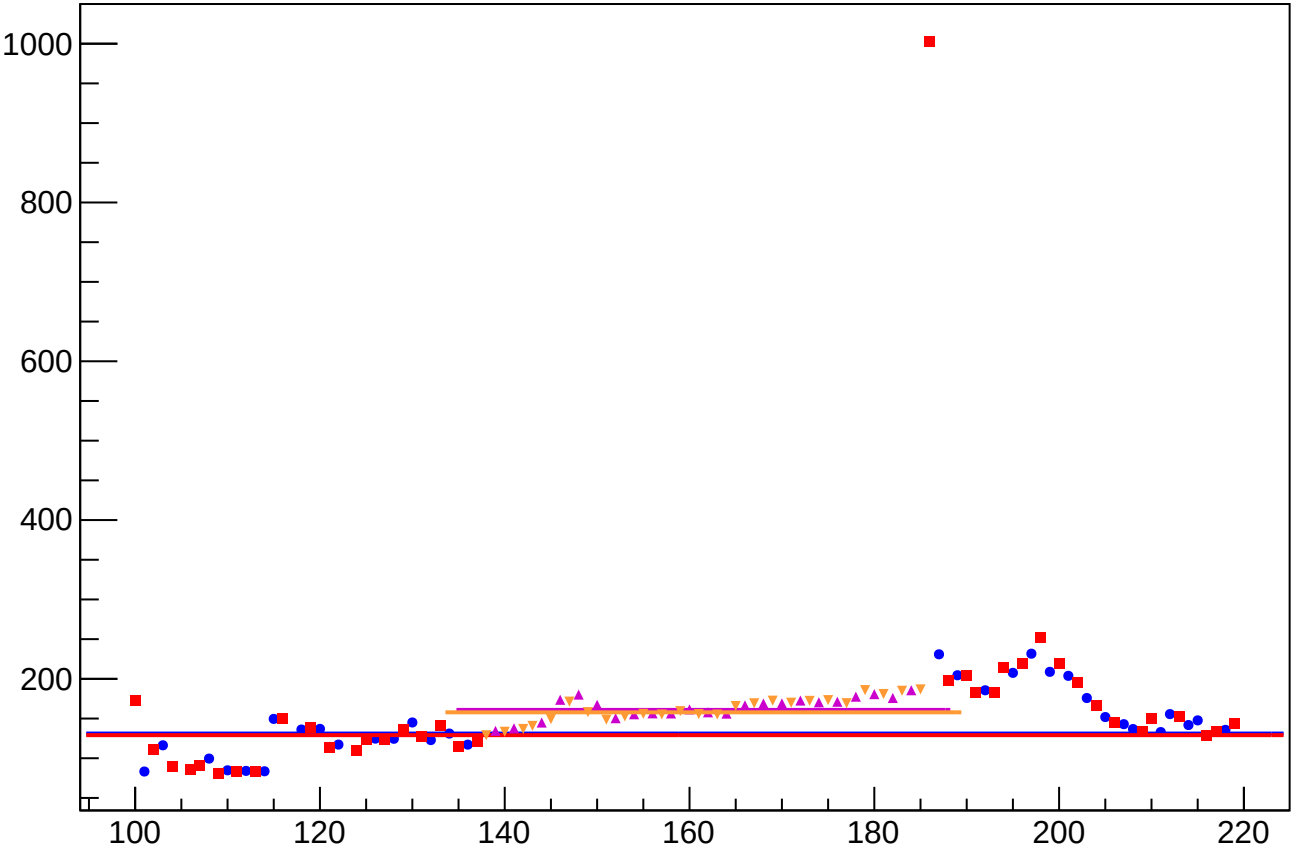
Right: -49.181+/-21.140 χ^2/NDF: 114.5/68

In: 105.909+/-23.659 χ^2/NDF:124.6/54

Out: 72.944+/-22.804 χ^2/NDF:151.7/61

All: 88.820+/-16.419 χ^2/NDF: 277.3/116

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 131.076+/-0.021 χ^2/NDF: 2791023.3/31

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 129.086+/-0.021 χ^2/NDF: 4268901.9/36

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

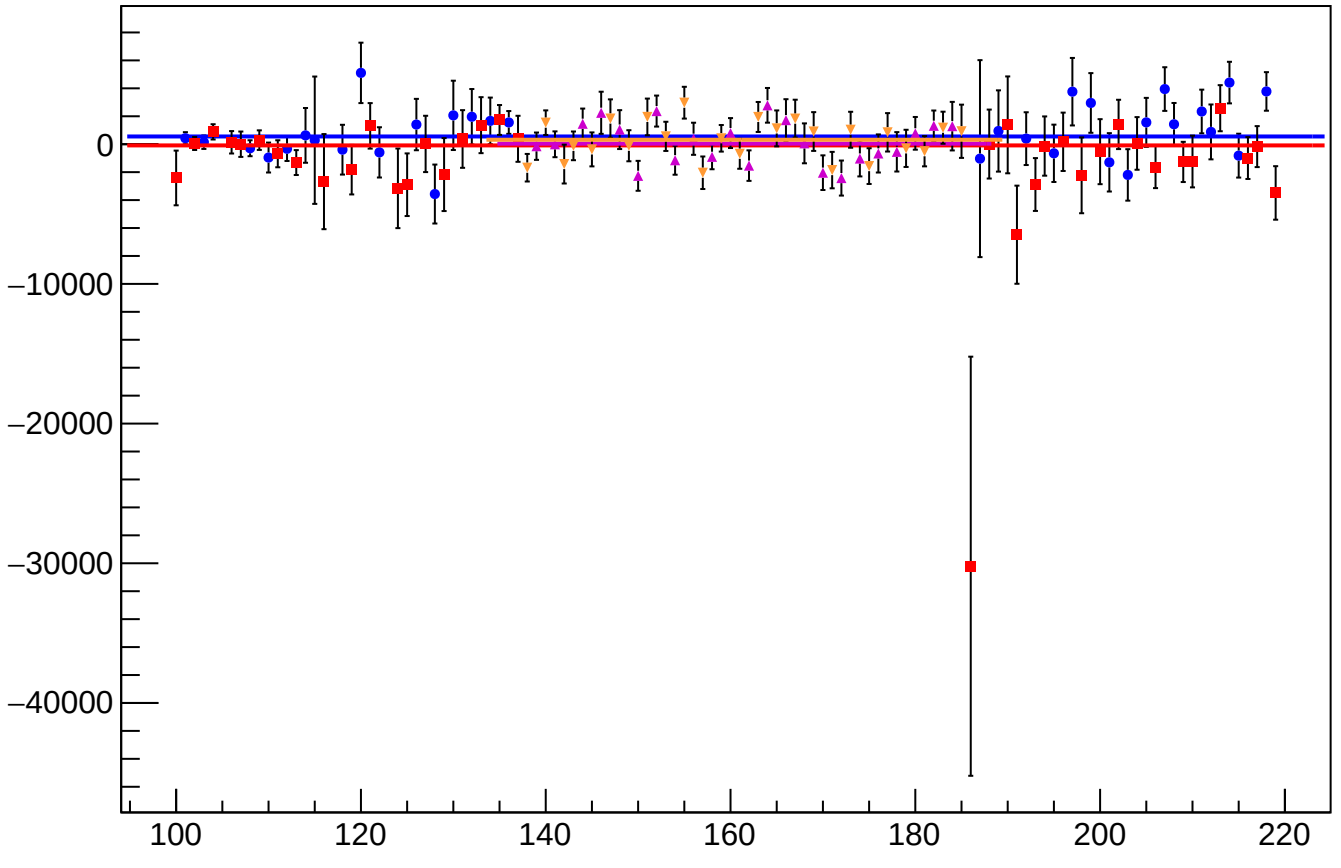
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 130.050+/-0.015 χ^2/NDF: 7064352.5/68

In: 142.794+/-0.017 χ^2/NDF:3816402.4/54

Out: 140.589+/-0.016 χ^2/NDF:5409180.4/61

All: 141.651+/-0.012 χ^2/NDF: 9234588.1/116



Right In: 554.101+/-205.927 χ^2/NDF: 44.1/31

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -85.696+/-207.149 χ^2/NDF: 35.9/36

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

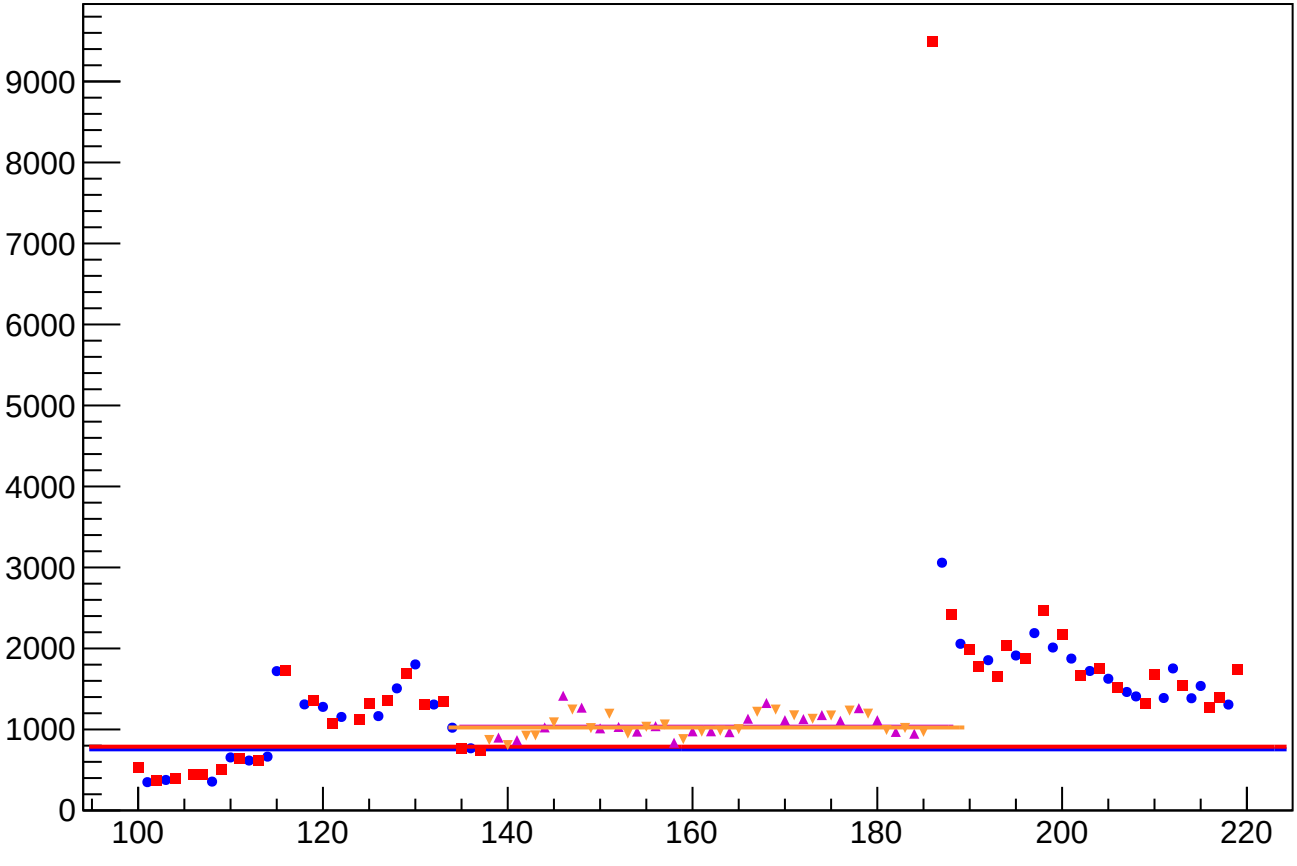
Right: 236.094+/-146.043 χ^2/NDF: 84.8/68

In: 340.070+/-157.414 χ^2/NDF:81.5/54

Out: 91.603+/-155.419 χ^2/NDF:70.1/61

All: 214.252+/-110.596 χ^2/NDF: 152.8/116

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 754.494+/-0.146 χ^2/NDF: 13183743.9/31

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 787.279+/-0.146 χ^2/NDF: 13741708.3/36

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

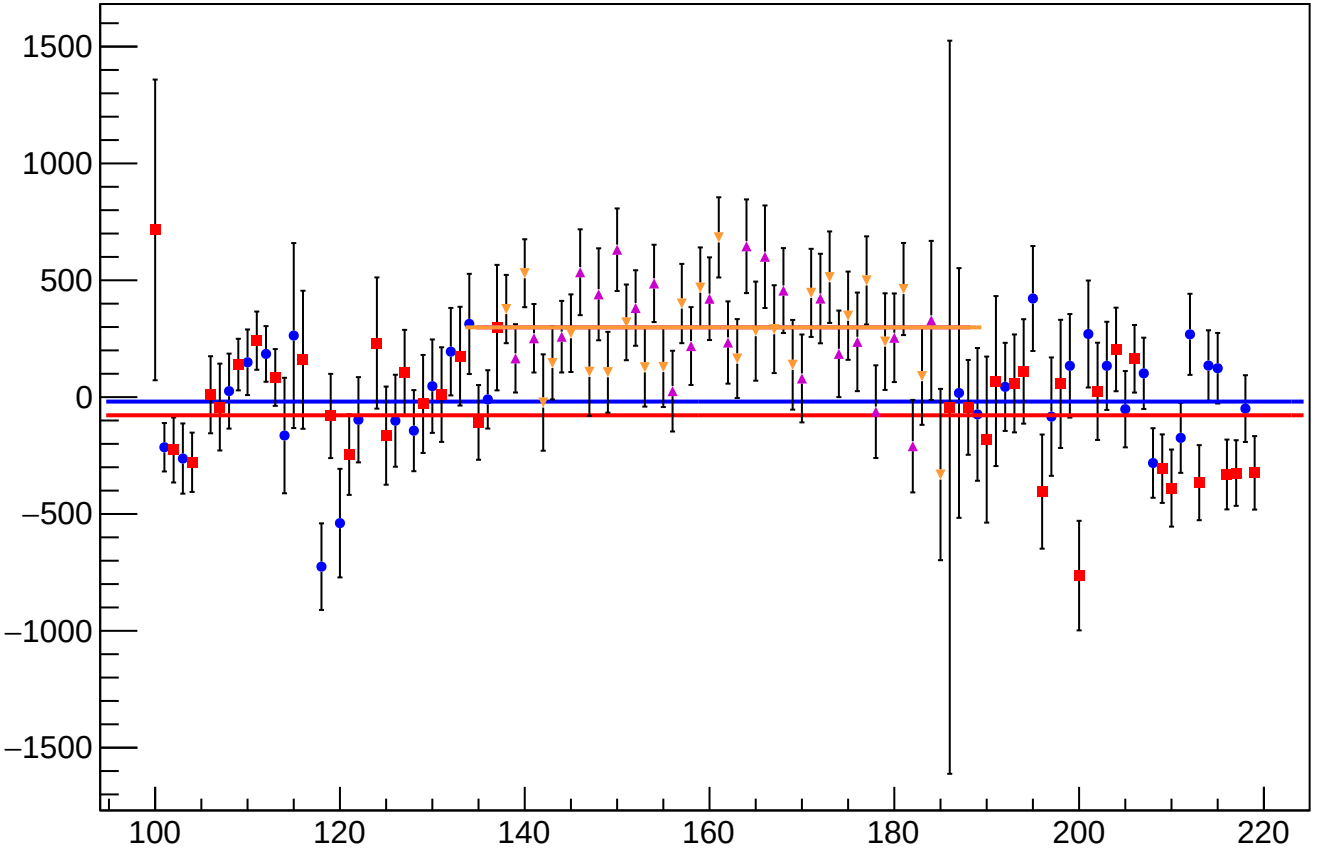
Right: 770.789+/-0.103 χ^2/NDF: 26950649.3/68

In: 870.854+/-0.111 χ^2/NDF:15348473.6/54

Out: 890.961+/-0.110 χ^2/NDF:15485669.7/61

All: 881.036+/-0.078 χ^2/NDF: 30850666.8/1

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -19.043+/-30.373 χ^2/NDF: 52.1/31

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -77.645+/-29.473 χ^2/NDF: 60.5/36

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

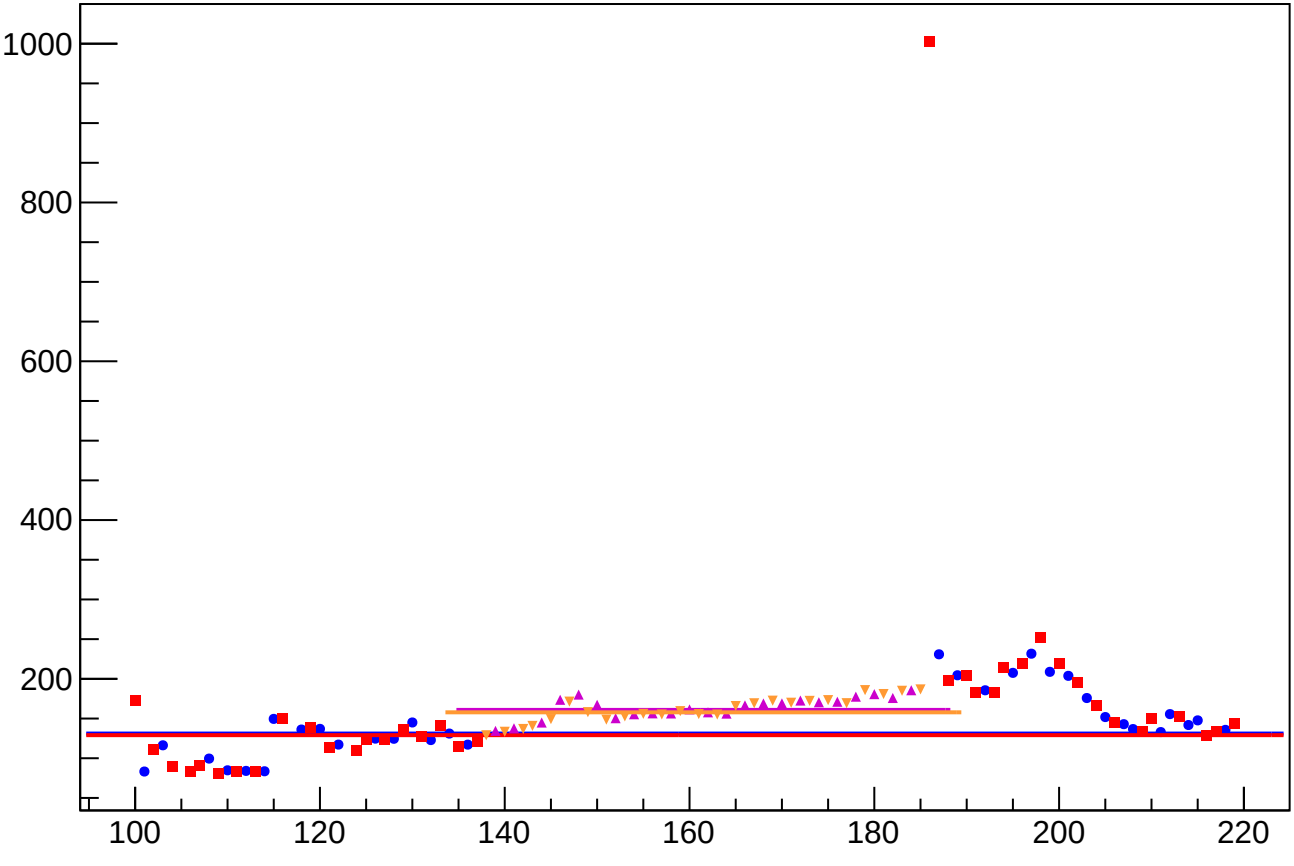
Right: -49.225+/-21.152 χ^2/NDF: 114.5/68

In: 105.905+/-23.659 χ^2/NDF:124.6/54

Out: 73.052+/-22.818 χ^2/NDF:151.7/61

All: 88.884+/-16.424 χ^2/NDF: 277.3/116

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 131.076+/-0.021 χ^2/NDF: 2791021.1/31

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 129.074+/-0.021 χ^2/NDF: 4280765.1/36

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

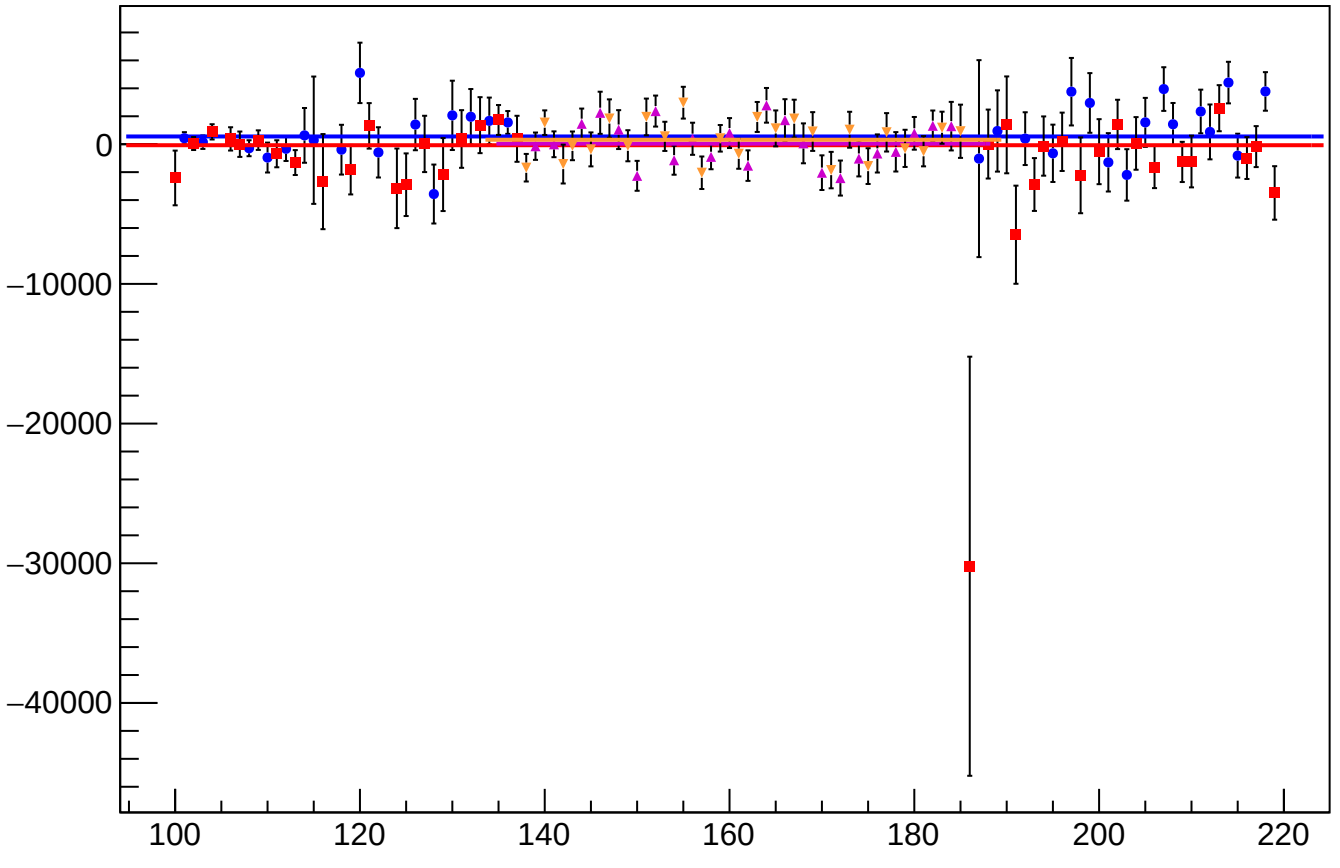
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 130.045+/-0.015 χ^2/NDF: 7076259.7/68

In: 142.794+/-0.017 χ^2/NDF:3816398.1/54

Out: 140.597+/-0.016 χ^2/NDF:5421014.0/61

All: 141.656+/-0.012 χ^2/NDF: 9246351.4/116



Right In: 554.200+/-205.922 χ^2/NDF: 44.1/31

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -72.289+/-207.593 χ^2/NDF: 36.1/36

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

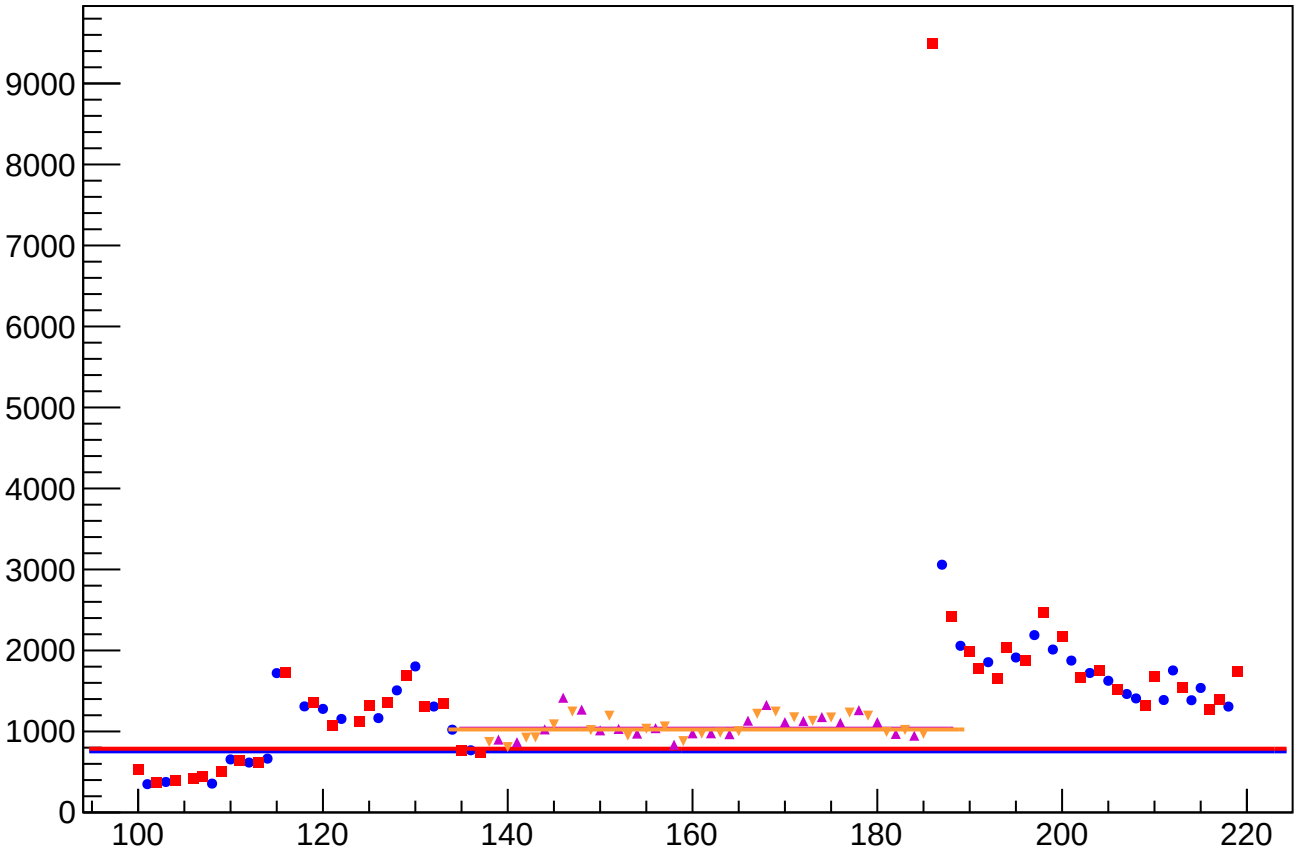
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 243.487+/-146.196 χ^2/NDF: 84.8/68

In: 340.134+/-157.412 χ^2/NDF:81.5/54

Out: 99.567+/-155.607 χ^2/NDF:70.2/61

All: 218.464+/-110.663 χ^2/NDF: 152.9/116



Right In: 754.466+/-0.146 χ^2/NDF: 13184409.7/31

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 786.991+/-0.147 χ^2/NDF: 13777573.4/36

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

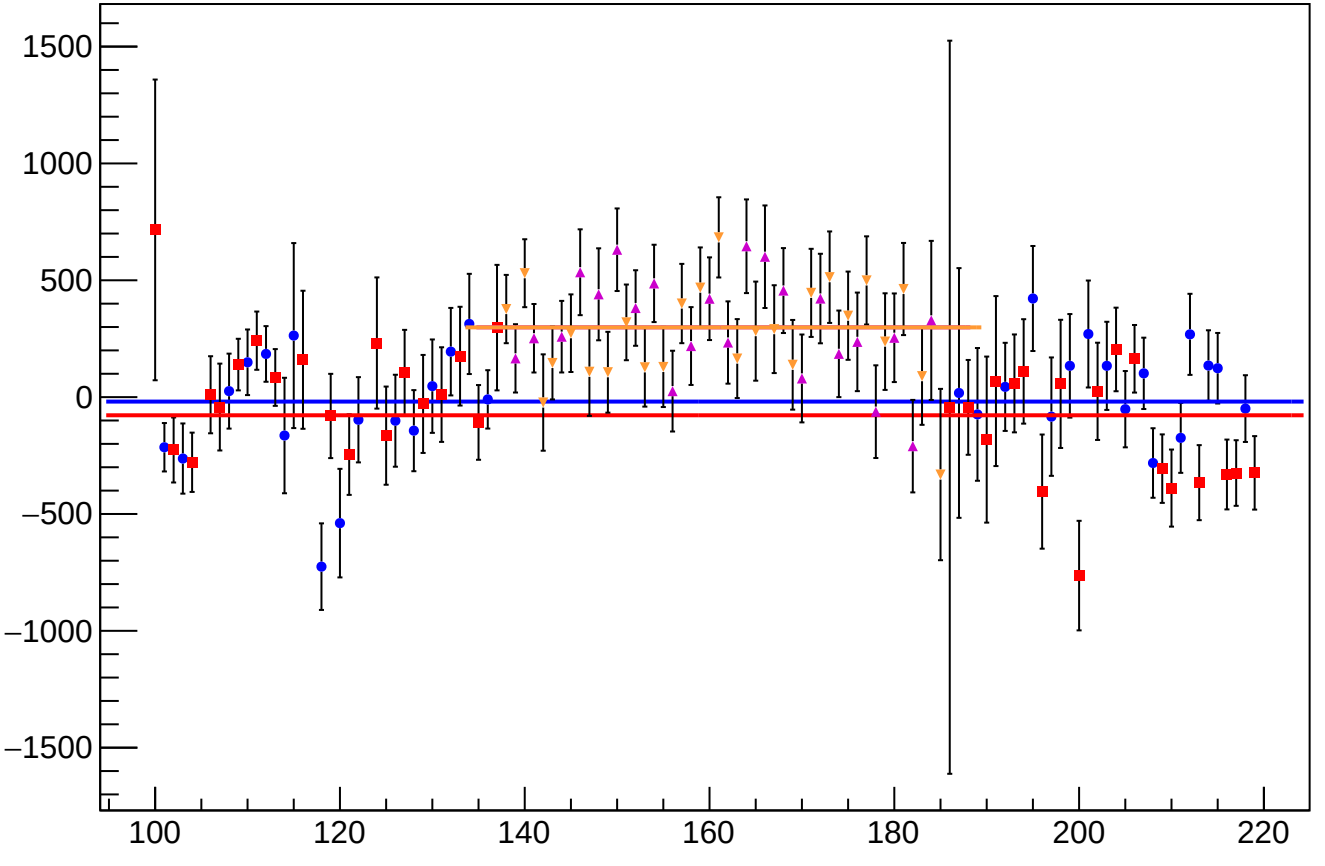
Right: 770.597+/-0.103 χ^2/NDF: 26986729.5/68

In: 870.835+/-0.111 χ^2/NDF:15349477.4/54

Out: 891.050+/-0.110 χ^2/NDF:15522164.3/61

All: 881.059+/-0.078 χ^2/NDF: 30888324.2/11

eigen_cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -19.043+/-30.373 χ^2/NDF: 52.1/31

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -77.645+/-29.473 χ^2/NDF: 60.5/36

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

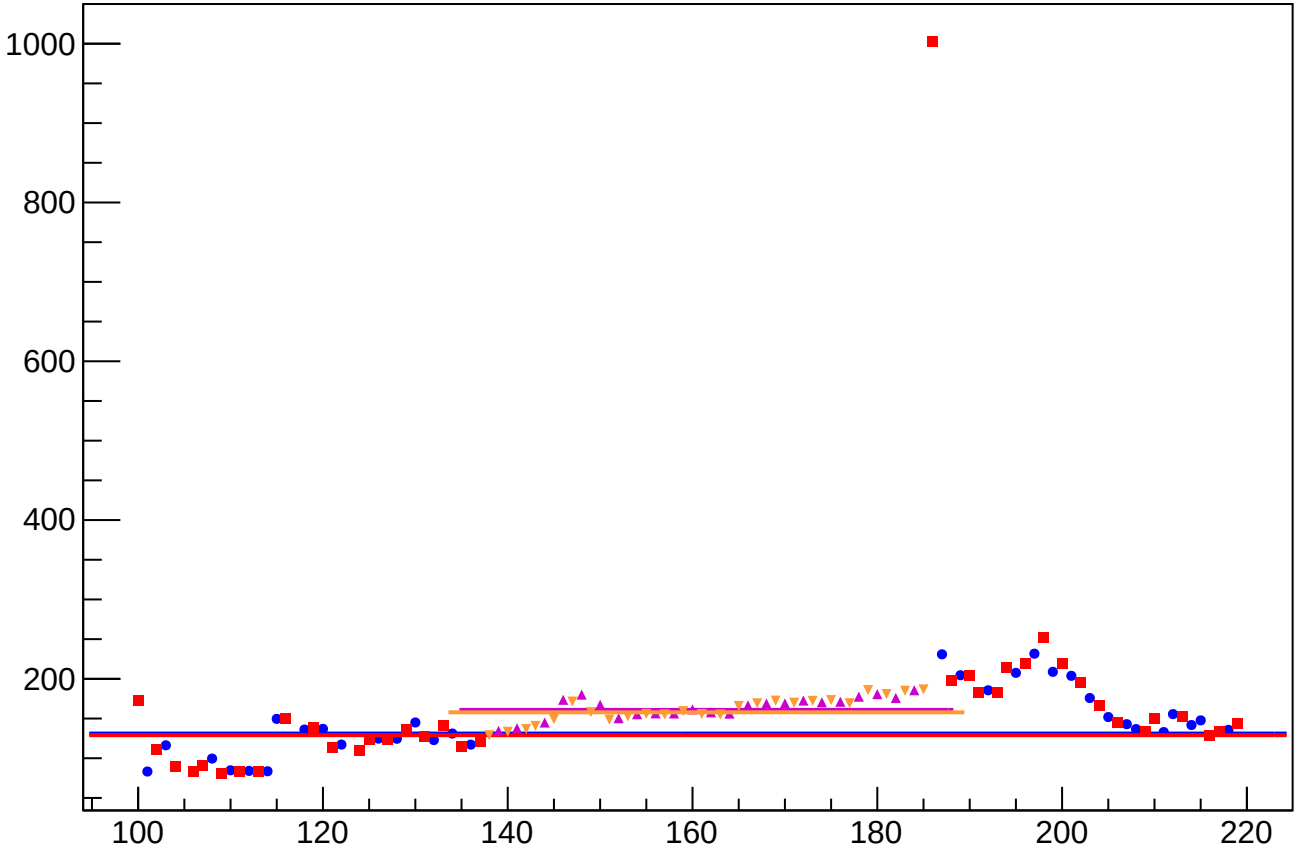
Right: -49.225+/-21.152 χ^2/NDF: 114.5/68

In: 105.905+/-23.659 χ^2/NDF:124.6/54

Out: 73.052+/-22.818 χ^2/NDF:151.7/61

All: 88.884+/-16.424 χ^2/NDF: 277.3/116

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 131.076+/-0.021 χ^2/NDF: 2791021.1/31

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 129.074+/-0.021 χ^2/NDF: 4280765.1/36

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

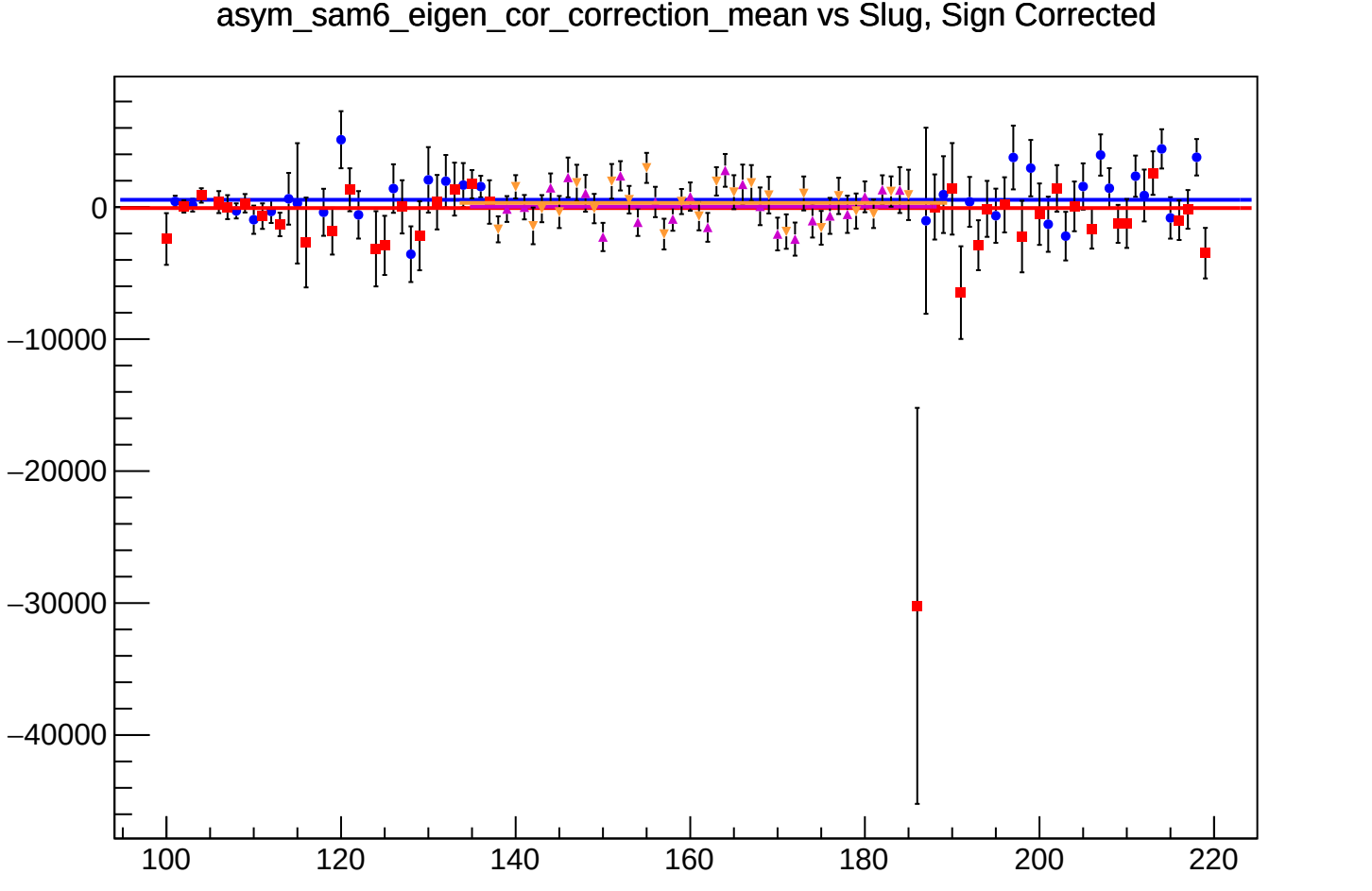
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 130.045+/-0.015 χ^2/NDF: 7076259.7/68

In: 142.794+/-0.017 χ^2/NDF:3816398.1/54

Out: 140.597+/-0.016 χ^2/NDF:5421014.0/61

All: 141.656+/-0.012 χ^2/NDF: 9246351.4/116



Right In: 554.200+/-205.922 χ^2/NDF: 44.1/31

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -72.289+/-207.593 χ^2/NDF: 36.1/36

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

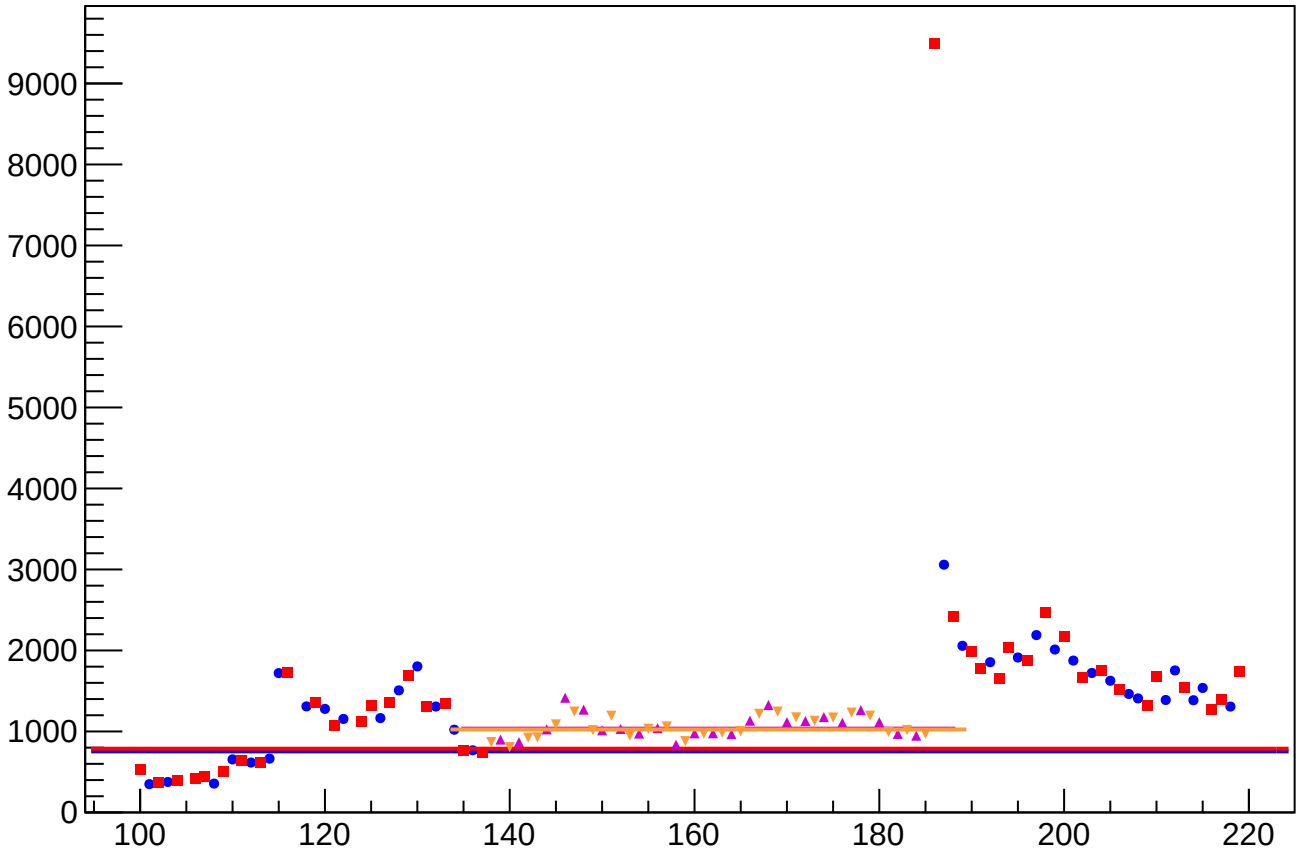
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 243.487+/-146.196 χ^2/NDF: 84.8/68

In: 340.134+/-157.412 χ^2/NDF:81.5/54

Out: 99.567+/-155.607 χ^2/NDF:70.2/61

All: 218.464+/-110.663 χ^2/NDF: 152.9/116



Right In: 754.466+/-0.146 χ^2/NDF: 13184409.7/31

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 786.991+/-0.147 χ^2/NDF: 13777573.4/36

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

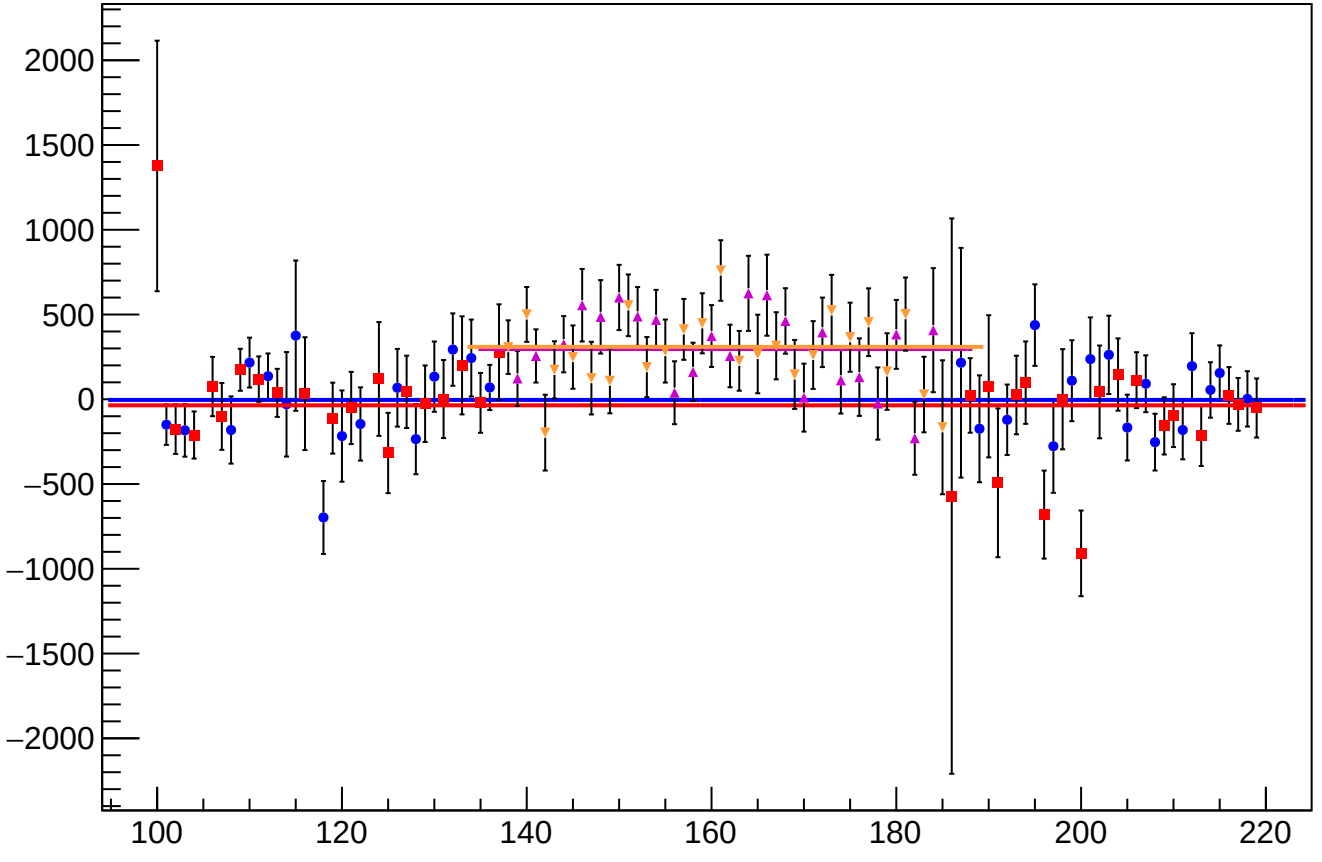
Right: 770.597+/-0.103 χ^2/NDF: 26986729.5/68

In: 870.835+/-0.111 χ^2/NDF:15349477.4/54

Out: 891.050+/-0.110 χ^2/NDF:15522164.3/61

All: 881.059+/-0.078 χ^2/NDF: 30888324.2/11

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -3.746+/-34.034 χ^2/NDF: 38.3/31

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -35.620+/-33.069 χ^2/NDF: 38.3/36

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

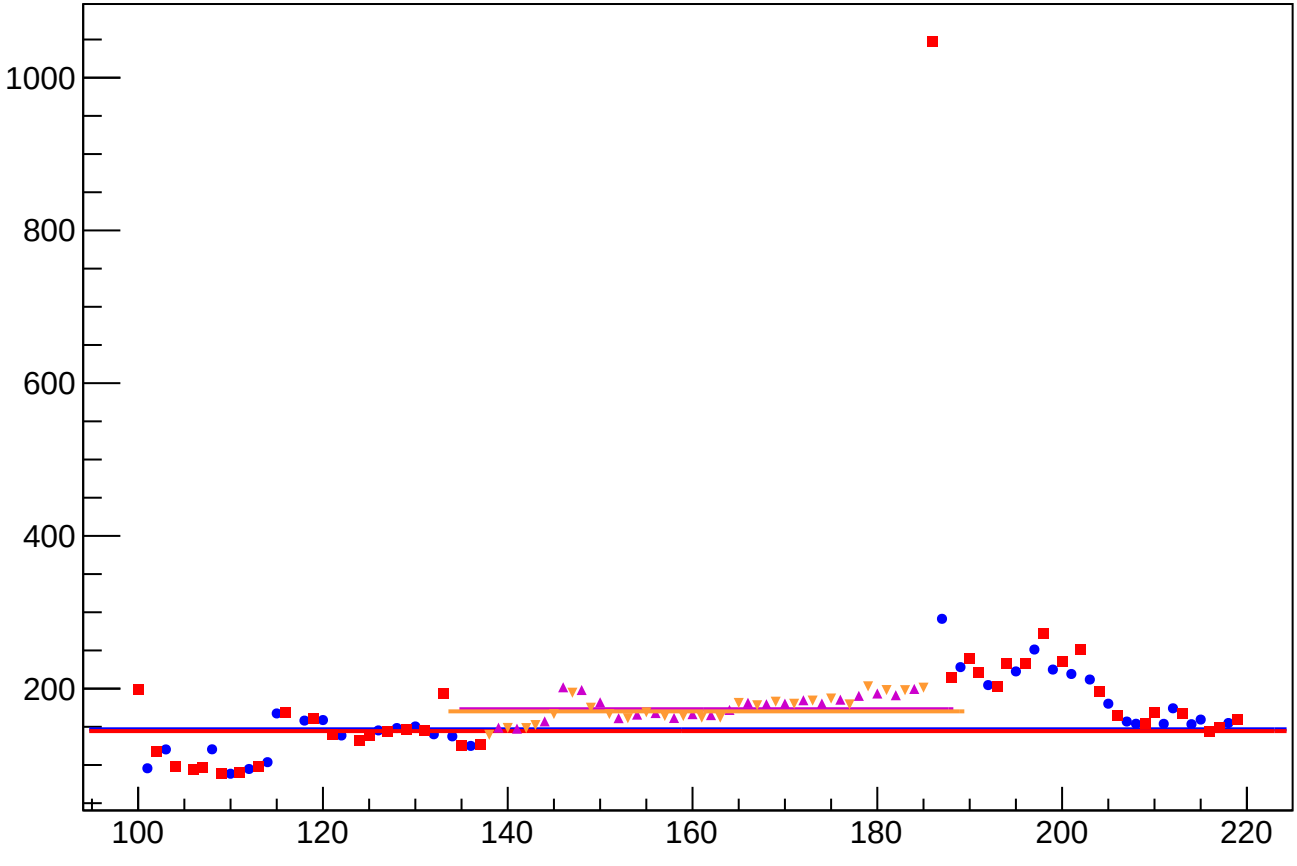
Right: -20.141+/-23.717 χ^2/NDF: 77.1/68

In: 120.139+/-26.084 χ^2/NDF:98.3/54

Out: 108.962+/-25.196 χ^2/NDF:109.4/61

All: 114.357+/-18.122 χ^2/NDF: 207.8/116

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 146.744+/-0.024 χ^2/NDF: 2735159.3/31

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 144.382+/-0.023 χ^2/NDF: 4439979.5/36

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

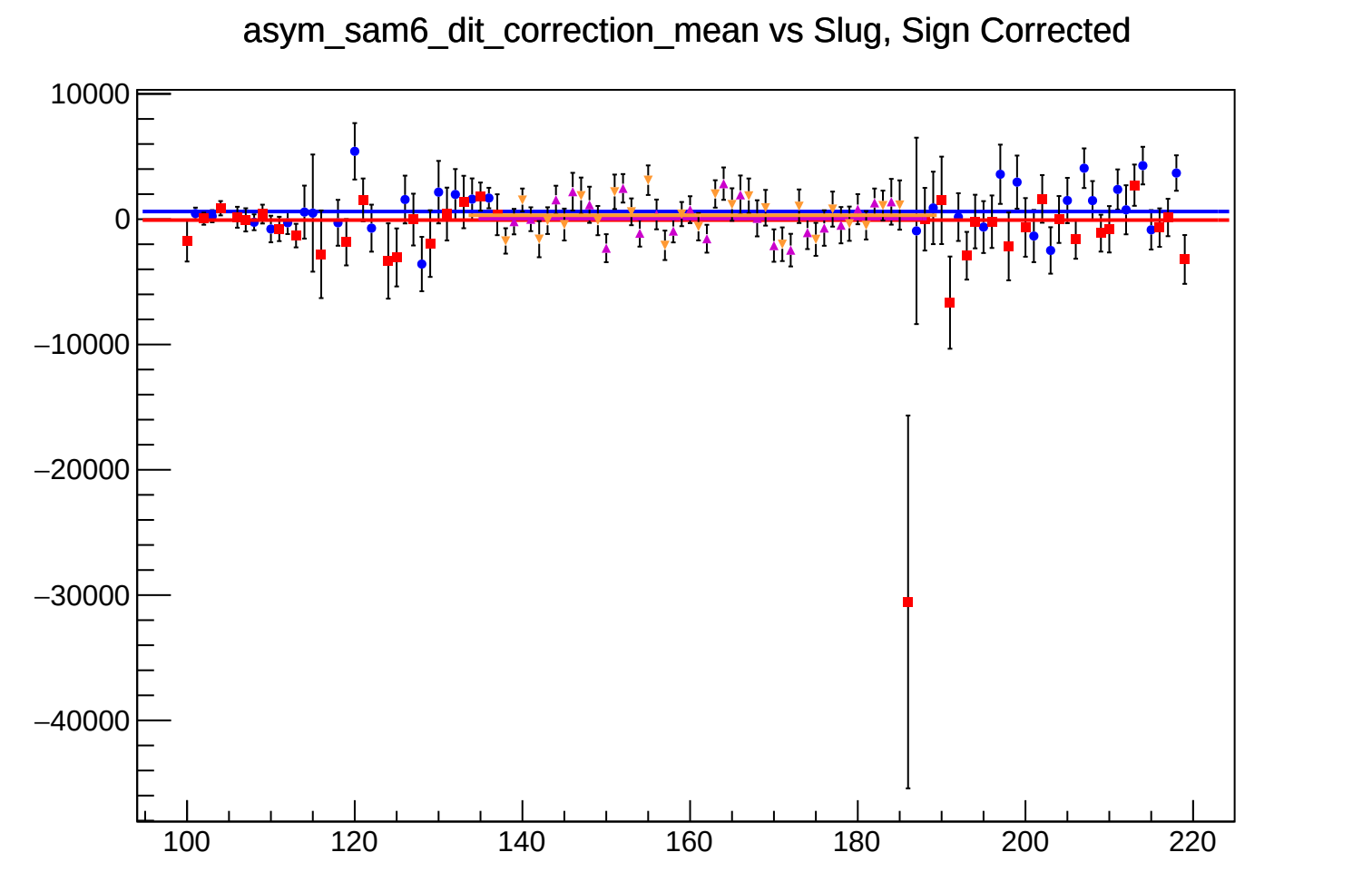
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 145.529+/-0.017 χ^2/NDF: 7180096.8/68

In: 157.588+/-0.018 χ^2/NDF:3520883.4/54

Out: 155.229+/-0.018 χ^2/NDF:5319296.8/61

All: 156.368+/-0.013 χ^2/NDF: 8848637.2/116



Right In: 612.500+/-214.040 χ^2/NDF: 42.5/31

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -71.350+/-213.713 χ^2/NDF: 34.2/36

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

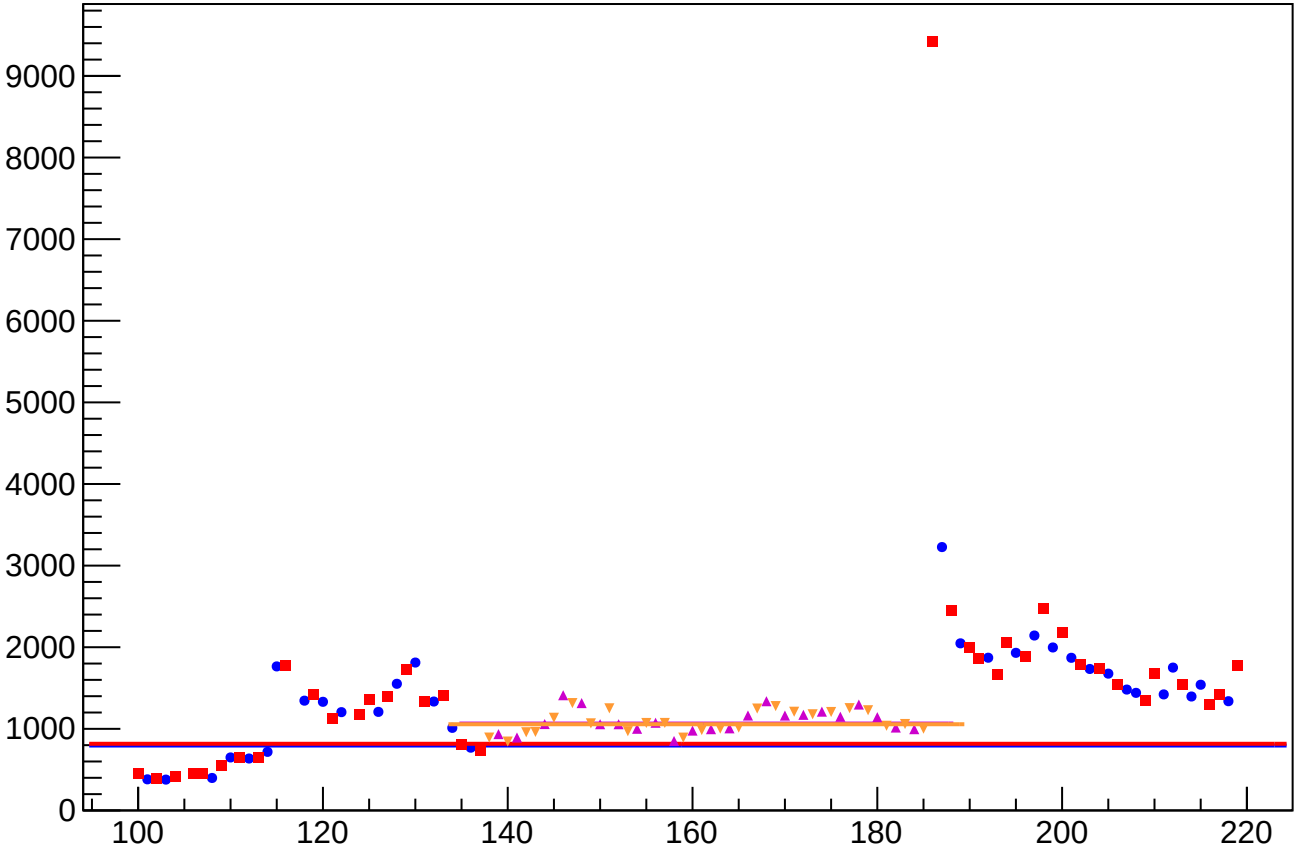
Right: 270.051+/-151.233 χ^2/NDF: 81.8/68

In: 374.785+/-162.933 χ^2/NDF:79.8/54

Out: 97.025+/-160.306 χ^2/NDF:68.5/61

All: 233.648+/-114.271 χ^2/NDF: 149.9/116

asym_sam6_dit_correction_rms vs Slug, Sign Corrected



Right In: 795.634+/-0.151 χ^2/NDF: 12433978.9/31

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 816.931+/-0.151 χ^2/NDF: 13466322.6/36

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

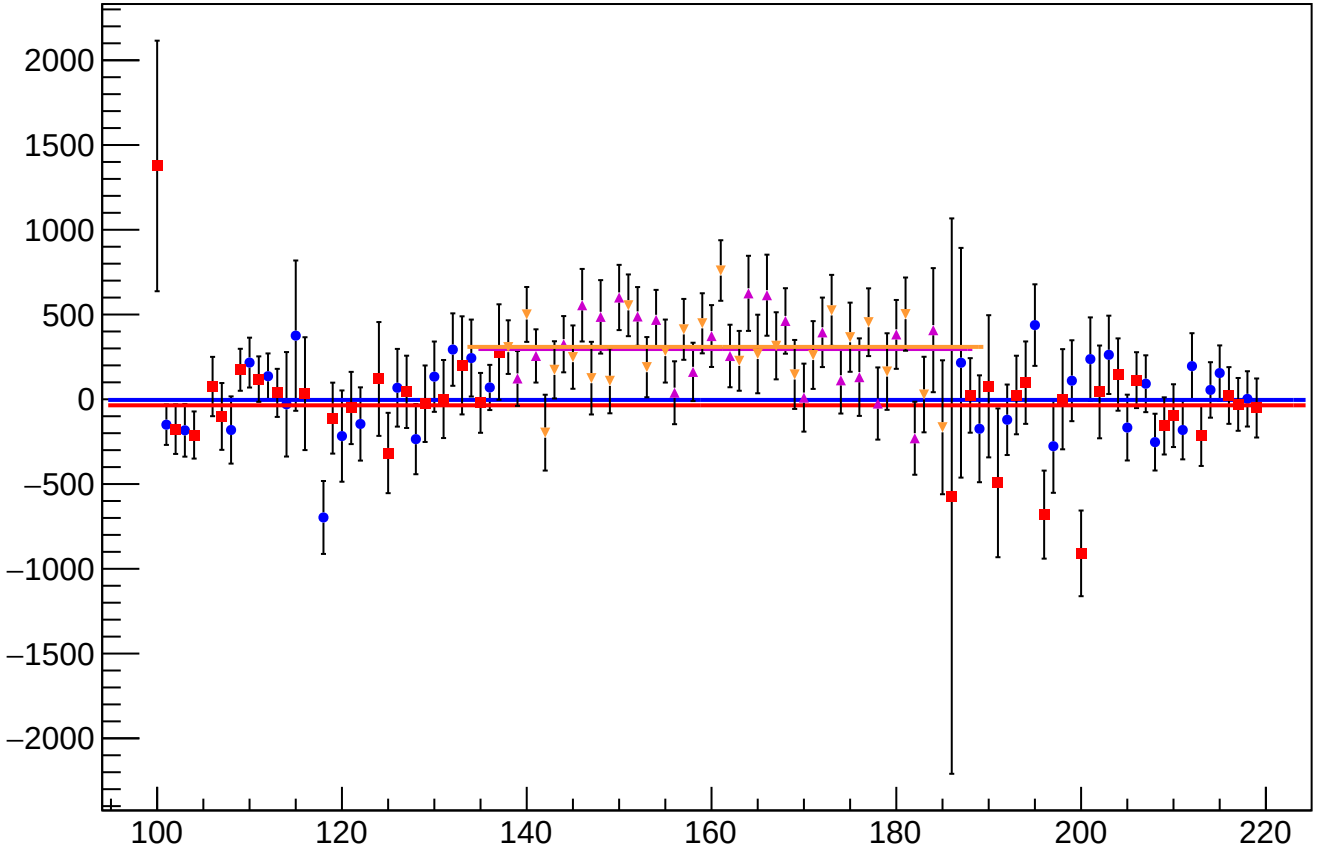
Right: 806.299+/-0.107 χ^2/NDF: 25910217.2/68

In: 908.781+/-0.115 χ^2/NDF:14374050.9/54

Out: 921.631+/-0.113 χ^2/NDF:15174610.7/61

All: 915.311+/-0.081 χ^2/NDF: 29554982.1/11

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -3.748+/-34.034 χ^2/NDF: 38.3/31

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -35.619+/-33.069 χ^2/NDF: 38.3/36

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

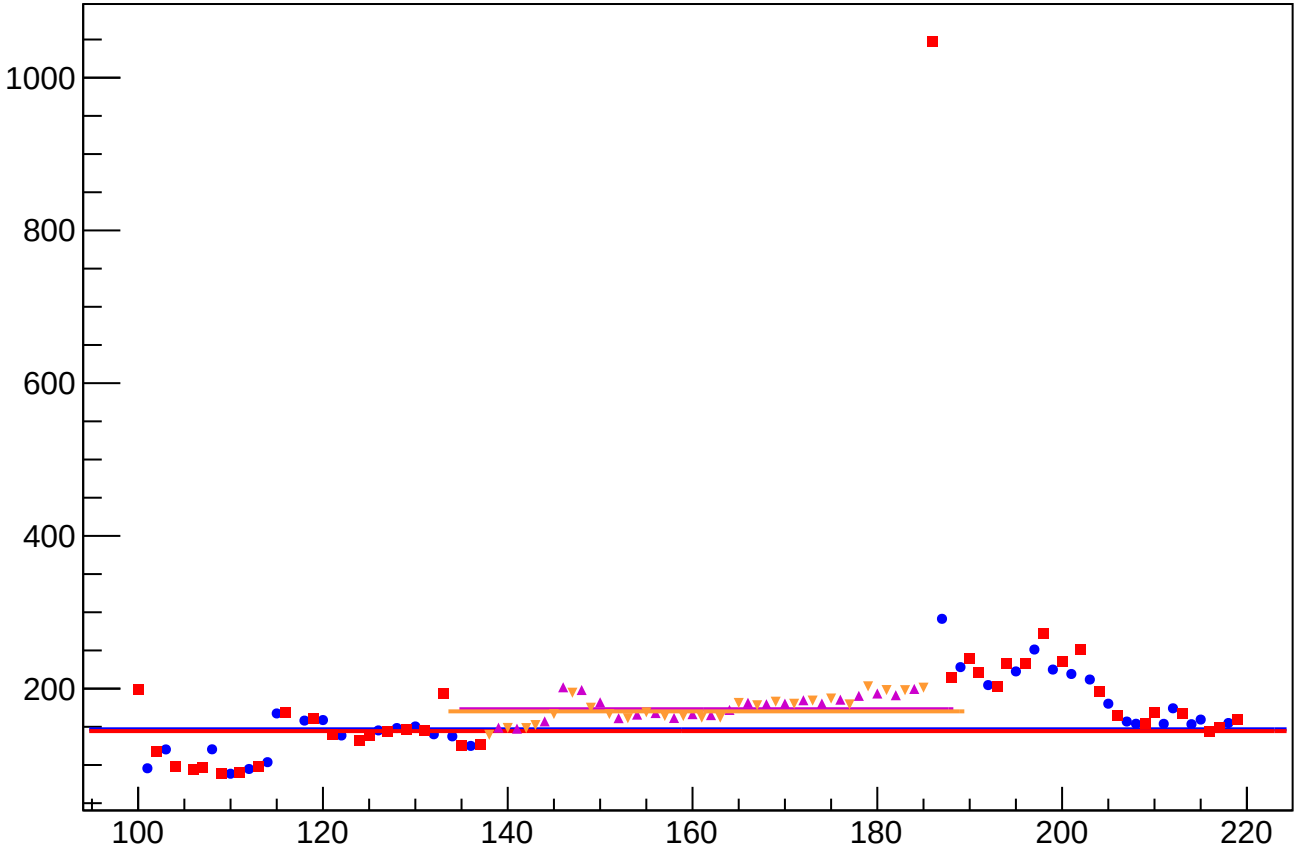
Right: -20.141+/-23.717 χ^2/NDF: 77.1/68

In: 120.139+/-26.084 χ^2/NDF:98.3/54

Out: 108.963+/-25.196 χ^2/NDF:109.4/61

All: 114.357+/-18.122 χ^2/NDF: 207.8/116

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 146.744+/-0.024 χ^2/NDF: 2735179.4/31

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 144.381+/-0.023 χ^2/NDF: 4439987.8/36

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

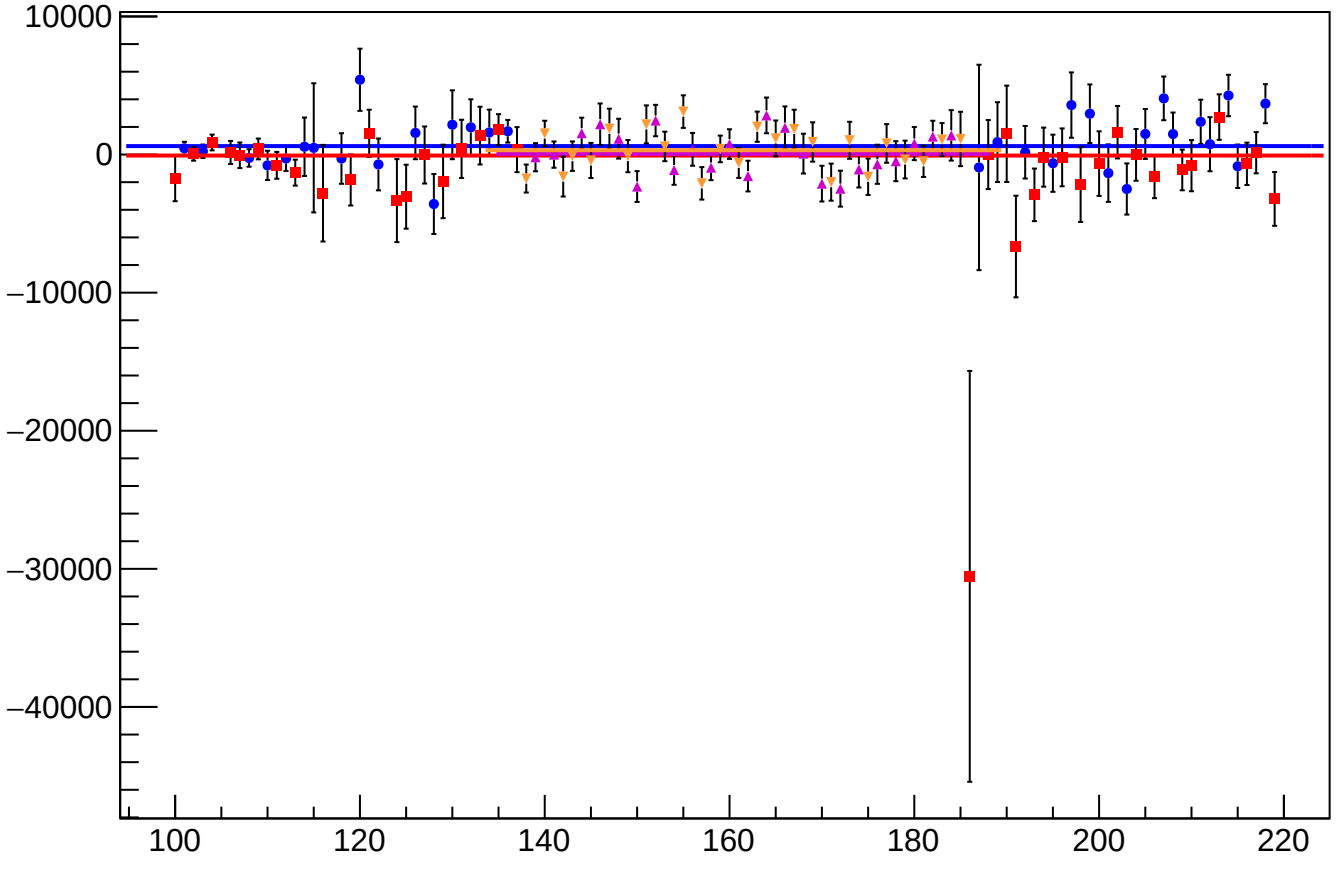
Right: 145.529+/-0.017 χ^2/NDF: 7180125.1/68

In: 157.587+/-0.018 χ^2/NDF:3520906.2/54

Out: 155.229+/-0.018 χ^2/NDF:5319306.1/61

All: 156.367+/-0.013 χ^2/NDF: 8848669.3/116

asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 612.499+/-214.040 χ^2/NDF: 42.5/31

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -71.348+/-213.712 χ^2/NDF: 34.2/36

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

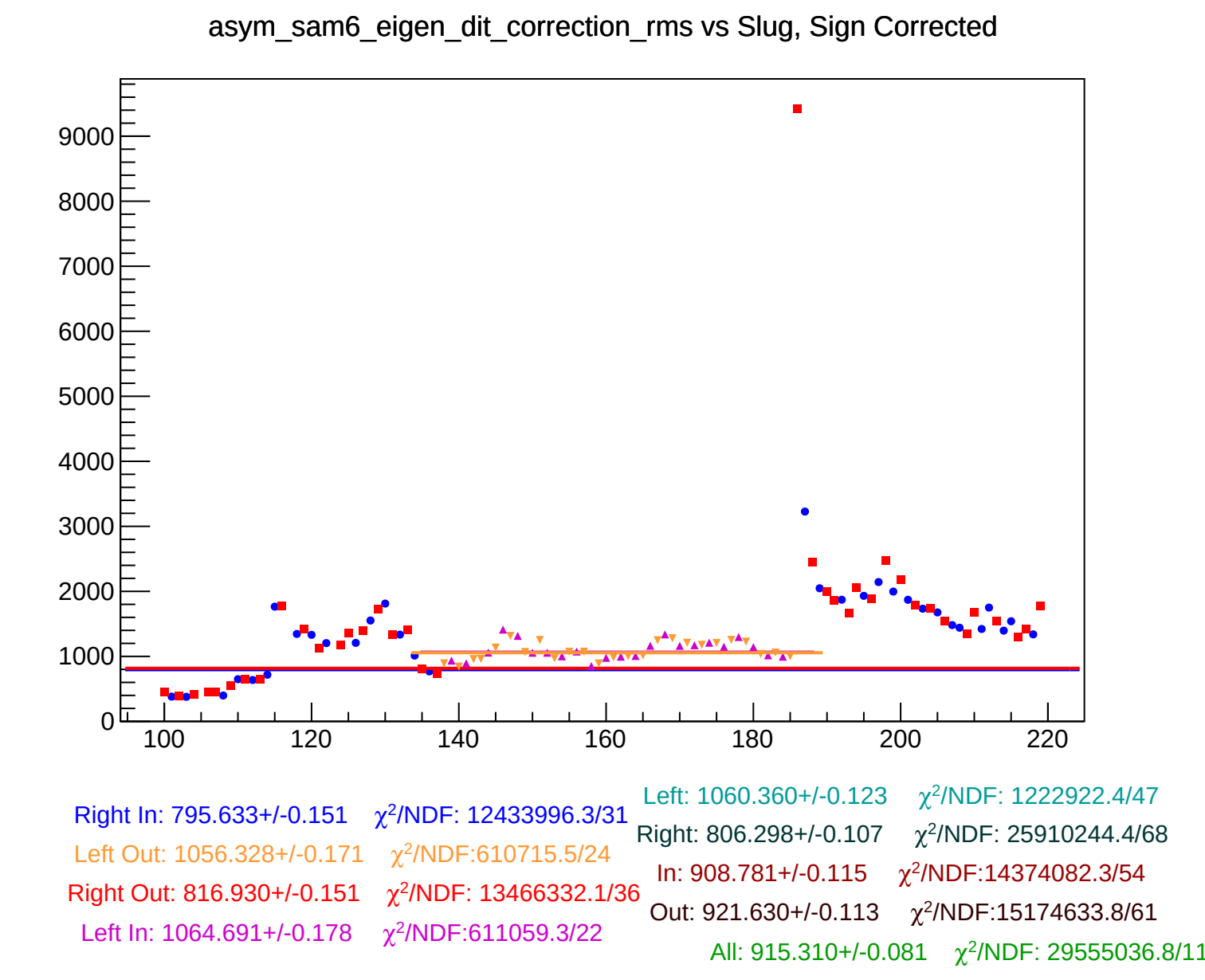
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 270.052+/-151.233 χ^2/NDF: 81.8/68

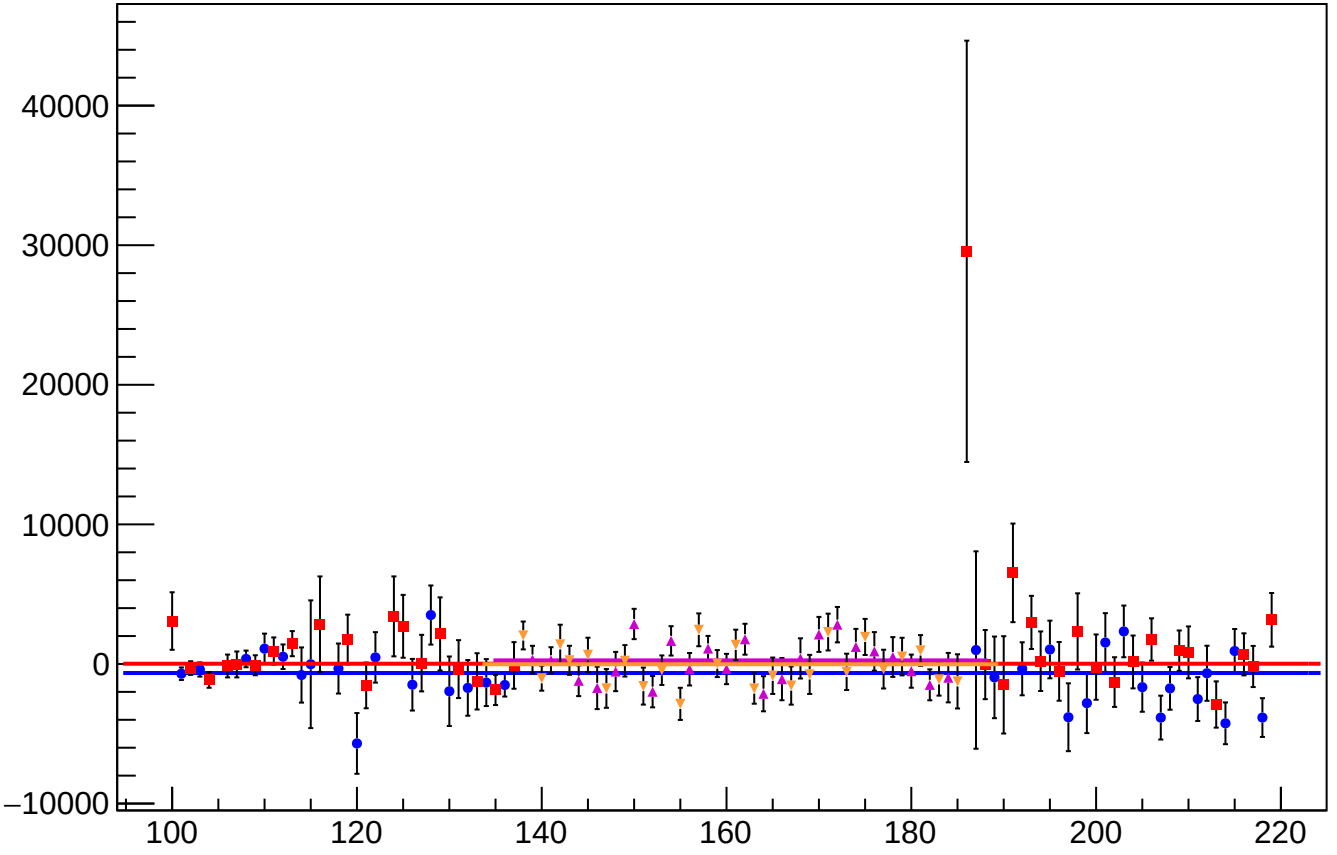
In: 374.785+/-162.933 χ^2/NDF:79.8/54

Out: 97.026+/-160.306 χ^2/NDF:68.5/61

All: 233.648+/-114.271 χ^2/NDF: 149.9/116


asym_sam6_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 795.633+/-0.151 χ²/NDF: 12433996.3/31
Left Out: 1056.328+/-0.171 χ²/NDF:610715.5/24
Right Out: 816.930+/-0.151 χ²/NDF: 13466332.1/36
Left In: 1064.691+/-0.178 χ²/NDF:611059.3/22
Left: 1060.360+/-0.123 χ²/NDF: 1222922.4/47
Right: 806.298+/-0.107 χ²/NDF: 25910244.4/68
In: 908.781+/-0.115 χ²/NDF:14374082.3/54
Out: 921.630+/-0.113 χ²/NDF:15174633.8/61
All: 915.310+/-0.081 χ²/NDF: 29555036.8/11

asym_sam6_mean vs Slug, Sign Corrected



Right In: -648.799+/-210.997 χ^2/NDF: 44.8/31

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 17.006+/-211.671 χ^2/NDF: 38.9/36

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

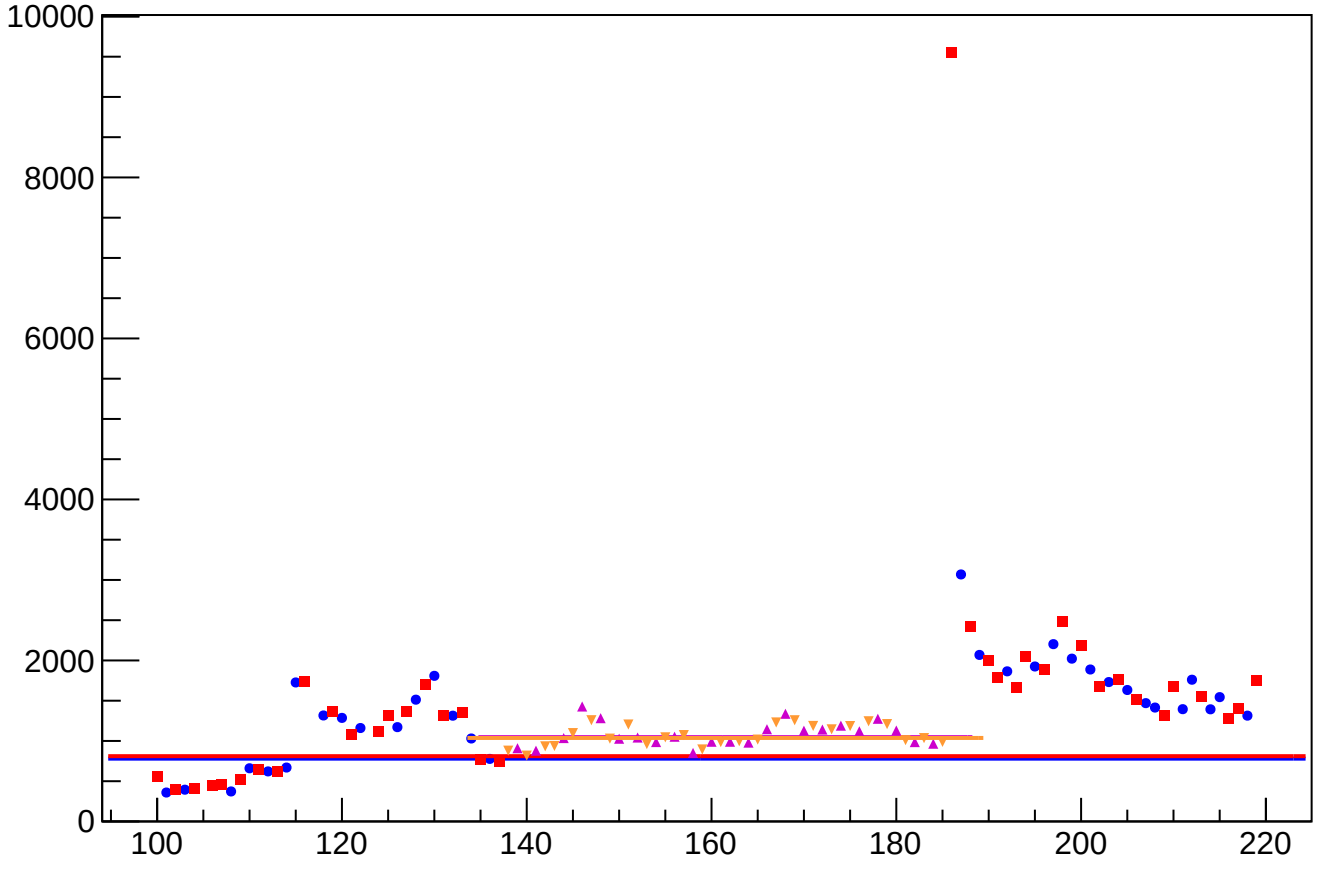
Right: -316.959+/-149.435 χ^2/NDF: 88.6/68

In: -267.704+/-160.486 χ^2/NDF:86.1/54

Out: -0.162+/-158.159 χ^2/NDF:73.4/61

All: -131.979+/-112.649 χ^2/NDF: 160.9/116

asym_sam6_rms vs Slug, Sign Corrected



Right In: 780.283+/-0.149 χ^2/NDF: 12677068.4/31

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 810.944+/-0.150 χ^2/NDF: 13290253.7/36

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

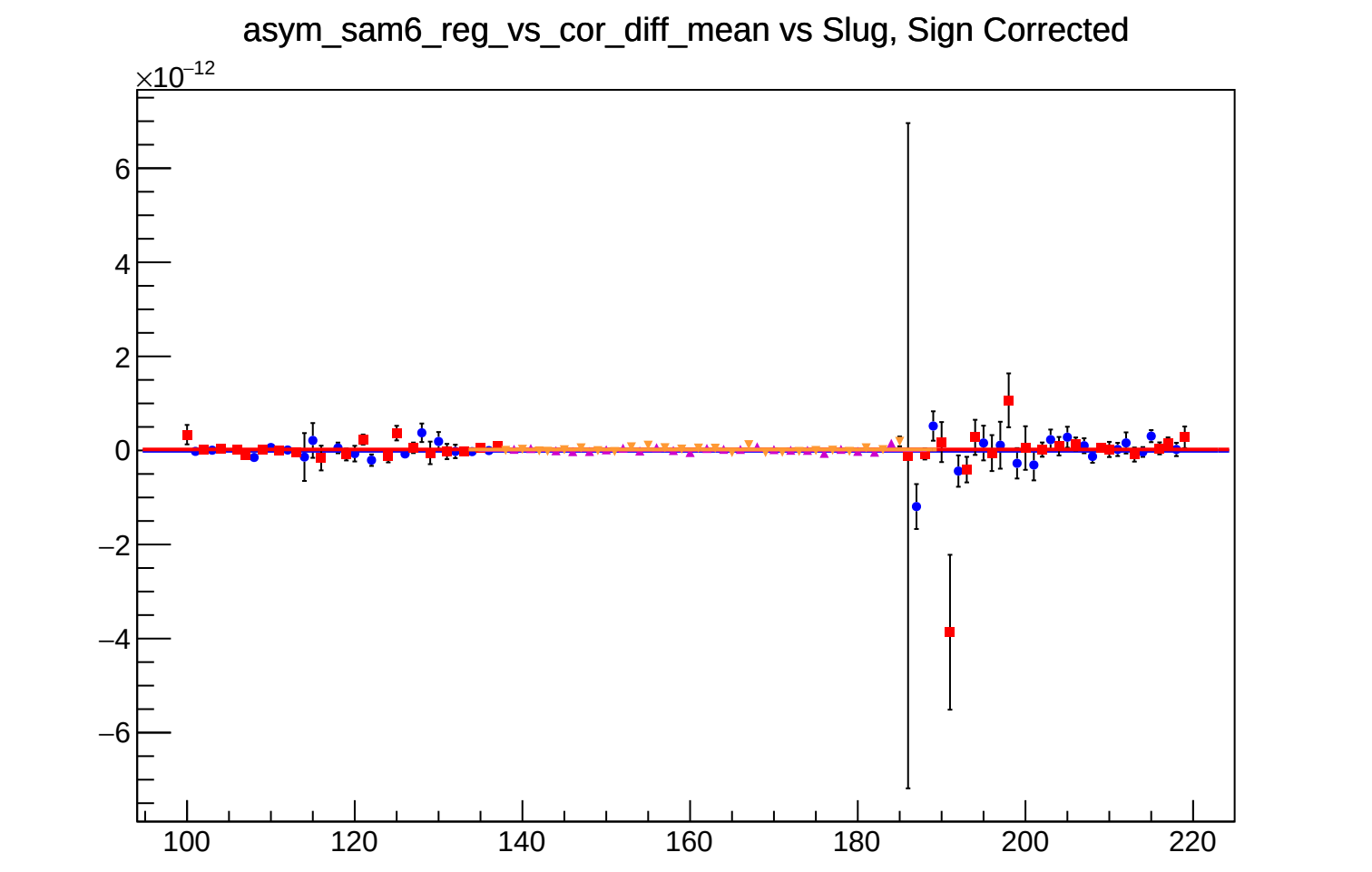
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 795.564+/-0.106 χ^2/NDF: 25988370.9/68

In: 892.962+/-0.113 χ^2/NDF:14643730.5/54

Out: 910.938+/-0.112 χ^2/NDF:14886225.7/61

All: 902.081+/-0.080 χ^2/NDF: 29542685.1/11



Right In: -0.000+/-0.000 χ^2/NDF: 39.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/36

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

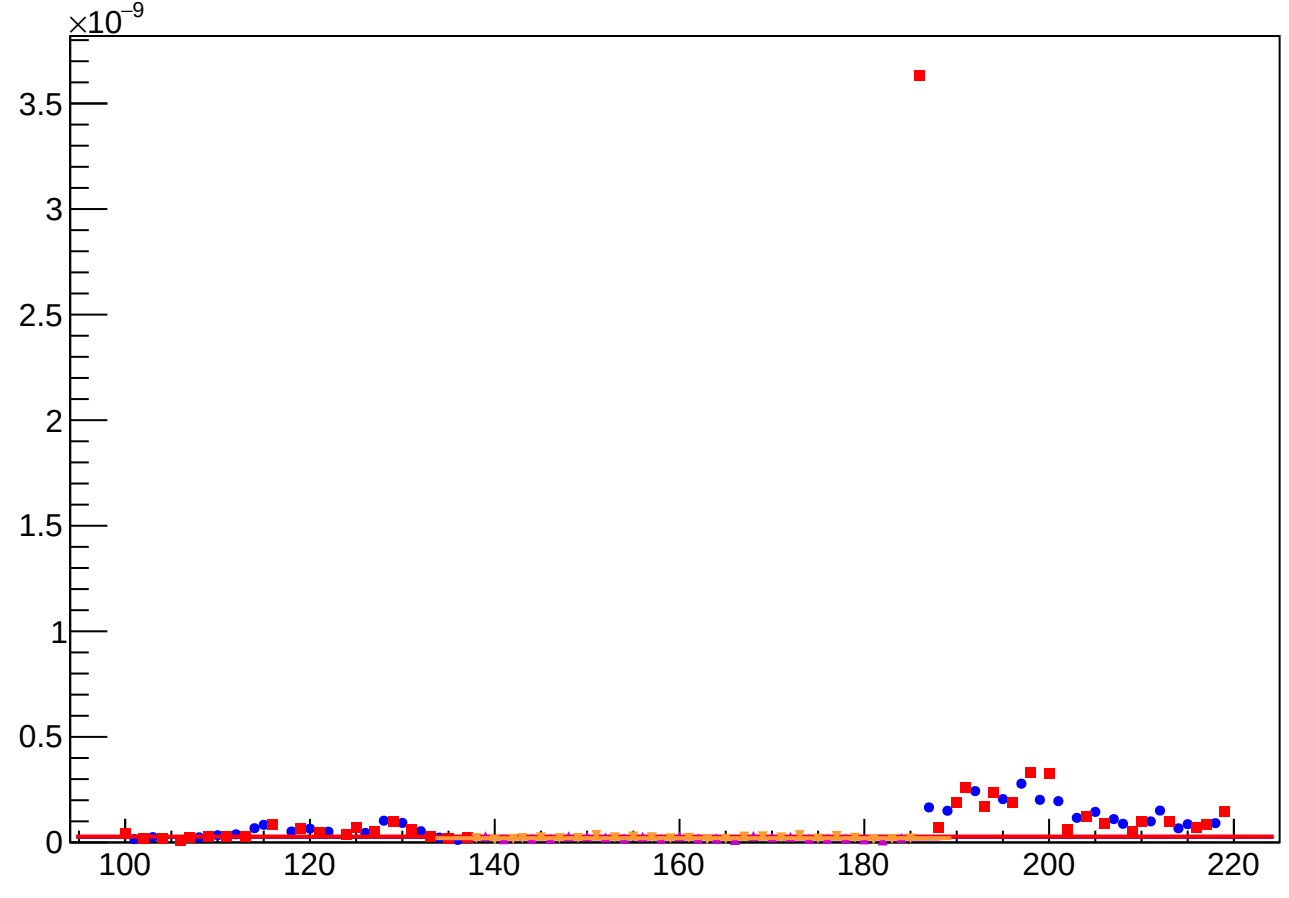
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 78.5/68

In: 0.000+/-0.000 χ^2/NDF:59.1/54

Out: 0.000+/-0.000 χ^2/NDF:66.3/61

All: 0.000+/-0.000 χ^2/NDF: 129.1/116



Right In: 0.000+/-0.000 χ^2/NDF: 10120306.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9559620.3/36

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

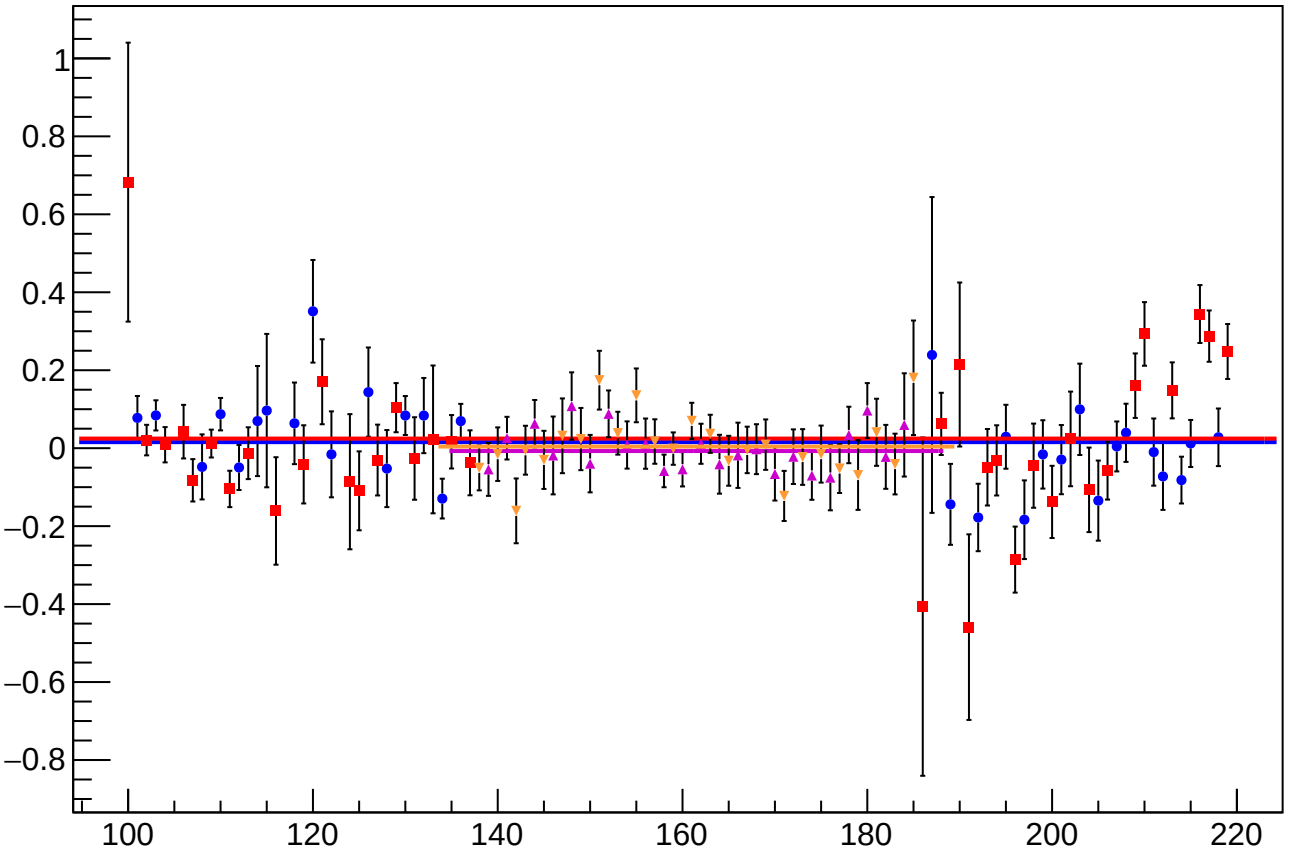
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 19688170.1/68

In: 0.000+/-0.000 χ^2/NDF:11662514.9/54

Out: 0.000+/-0.000 χ^2/NDF:11037544.3/61

All: 0.000+/-0.000 χ^2/NDF: 22715862.2/116



Right In: 0.015+/-0.013 χ^2/NDF: 48.5/31

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.025+/-0.012 χ^2/NDF: 112.3/36

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

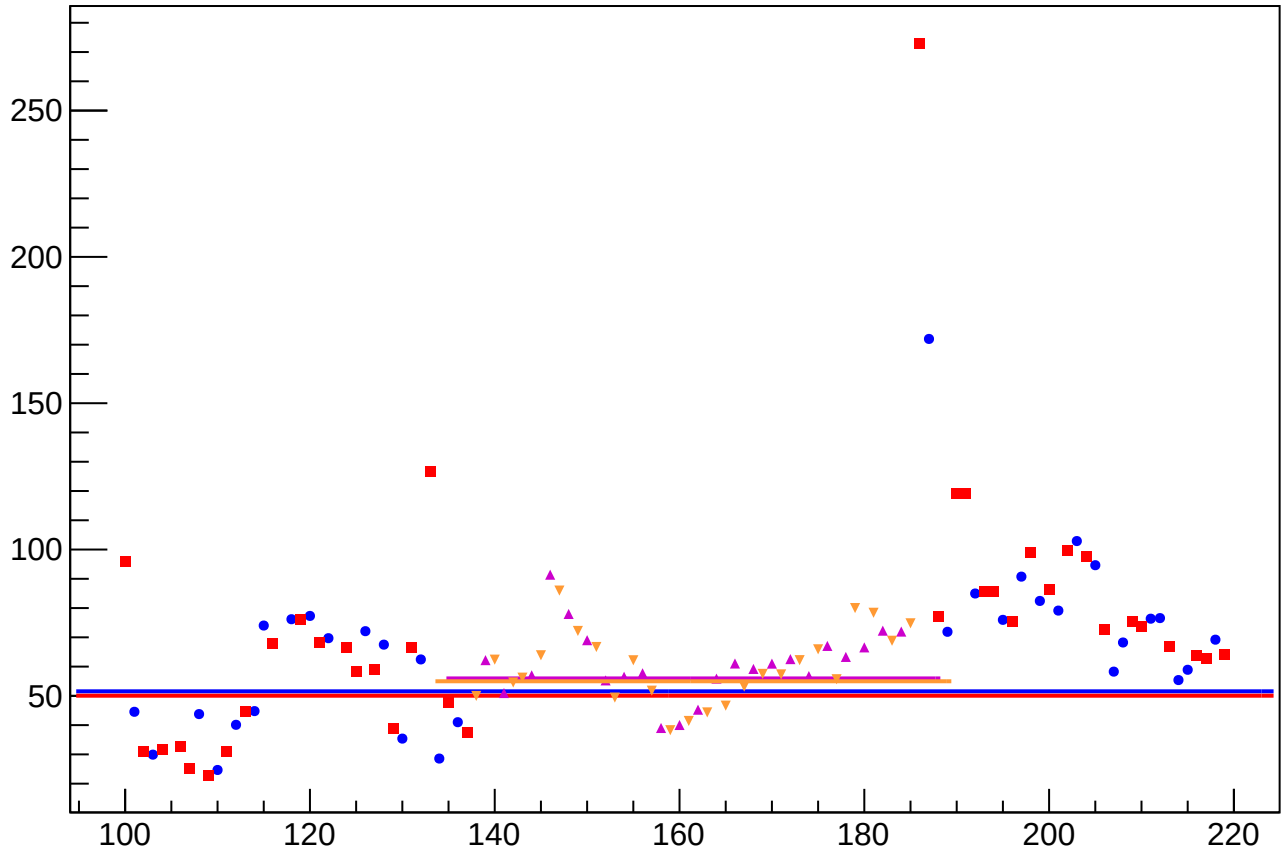
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.020+/-0.009 χ^2/NDF: 161.0/68

In: 0.005+/-0.009 χ^2/NDF:65.1/54

Out: 0.015+/-0.009 χ^2/NDF:138.4/61

All: 0.010+/-0.006 χ^2/NDF: 204.1/116



Right In: 51.553+/-0.009 χ^2/NDF: 5547520.3/31

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 50.055+/-0.009 χ^2/NDF: 7861855.2/36

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

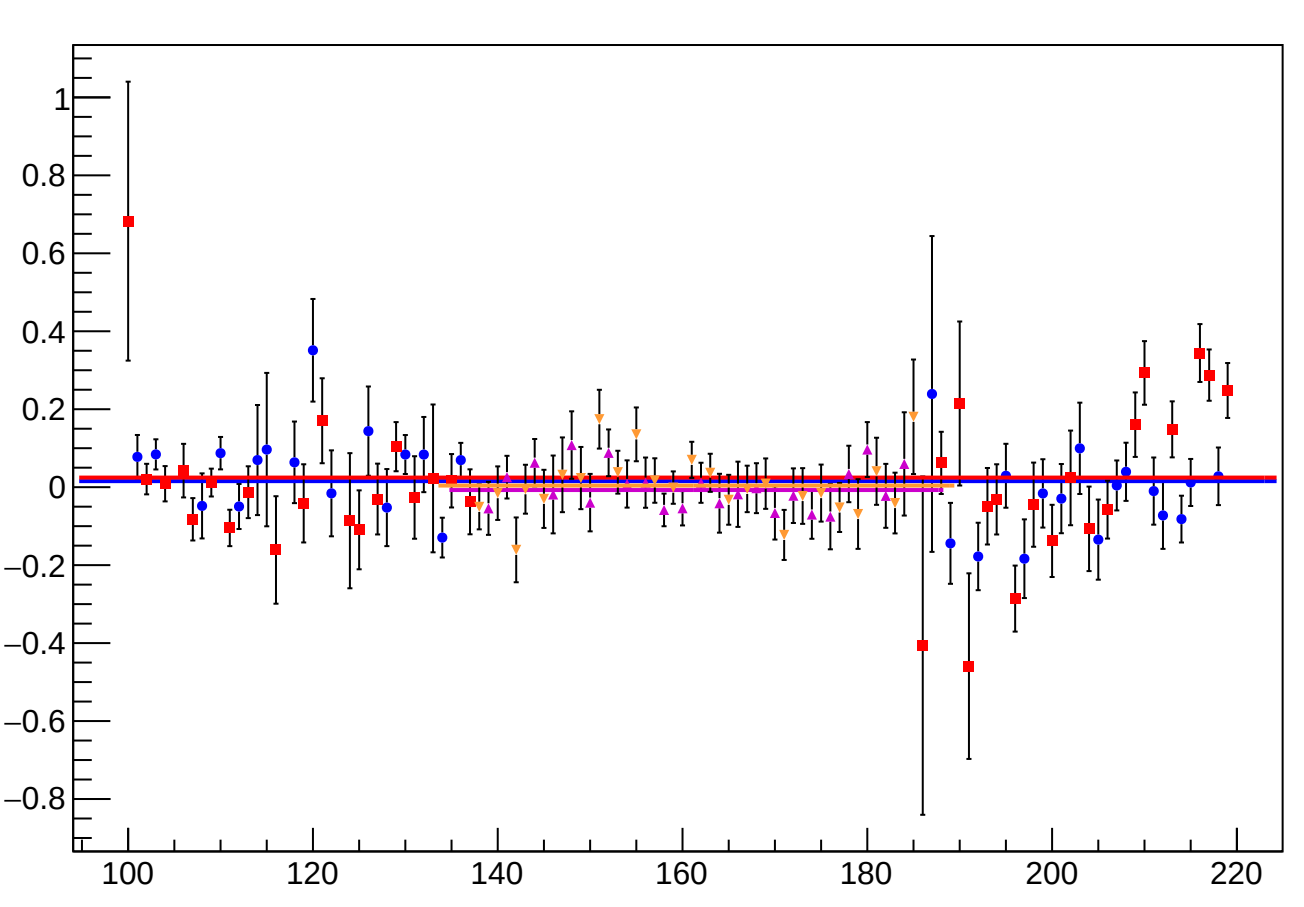
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 50.783+/-0.006 χ^2/NDF: 13423734.6/68

In: 53.612+/-0.007 χ^2/NDF:7066617.0/54

Out: 52.397+/-0.006 χ^2/NDF:9580854.6/61

All: 52.983+/-0.005 χ^2/NDF: 16665353.4/116



Right In: 0.015+/-0.013 χ^2/NDF: 48.5/31

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.025+/-0.012 χ^2/NDF: 112.3/36

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

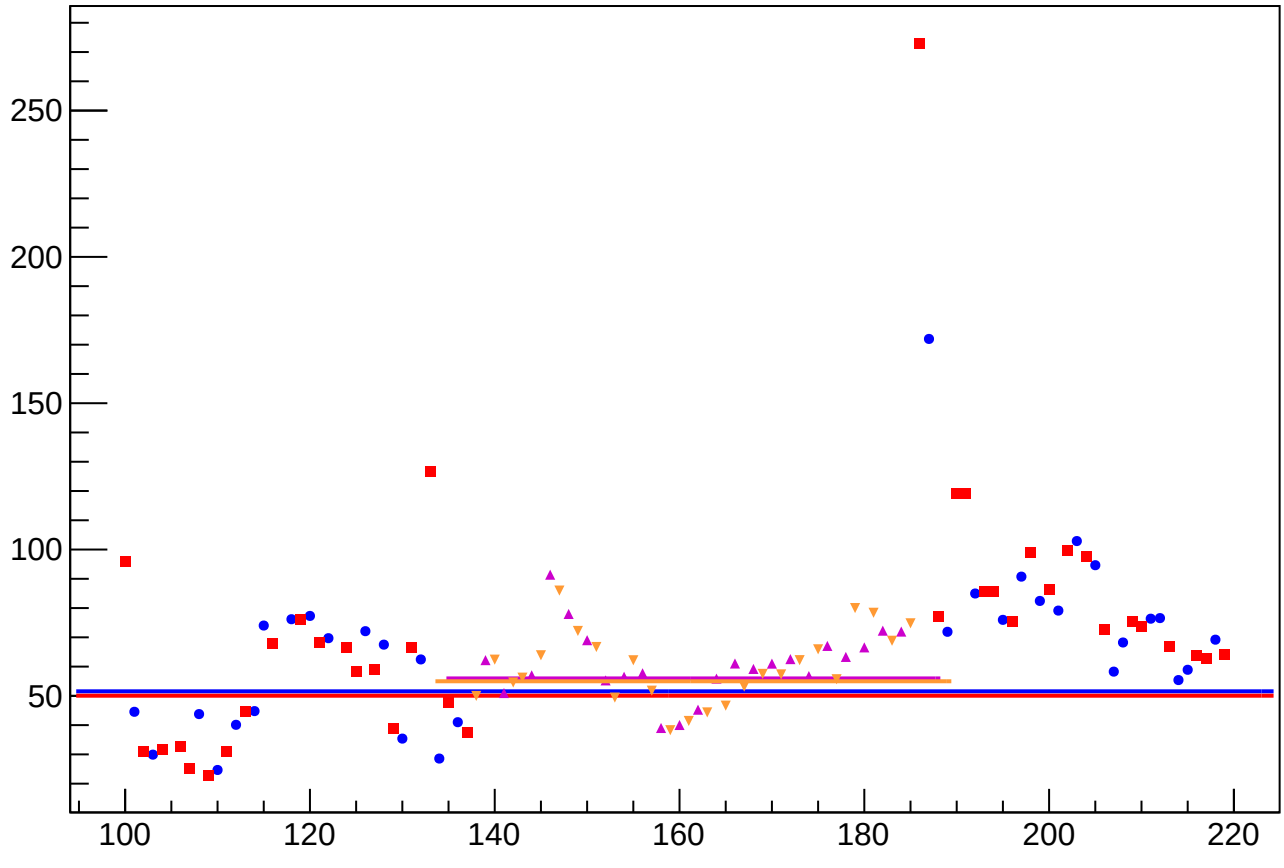
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.020+/-0.009 χ^2/NDF: 161.0/68

In: 0.005+/-0.009 χ^2/NDF:65.1/54

Out: 0.015+/-0.009 χ^2/NDF:138.4/61

All: 0.010+/-0.006 χ^2/NDF: 204.1/116



Right In: 51.553+/-0.009 χ^2/NDF: 5547520.3/31

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 50.055+/-0.009 χ^2/NDF: 7861855.2/36

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

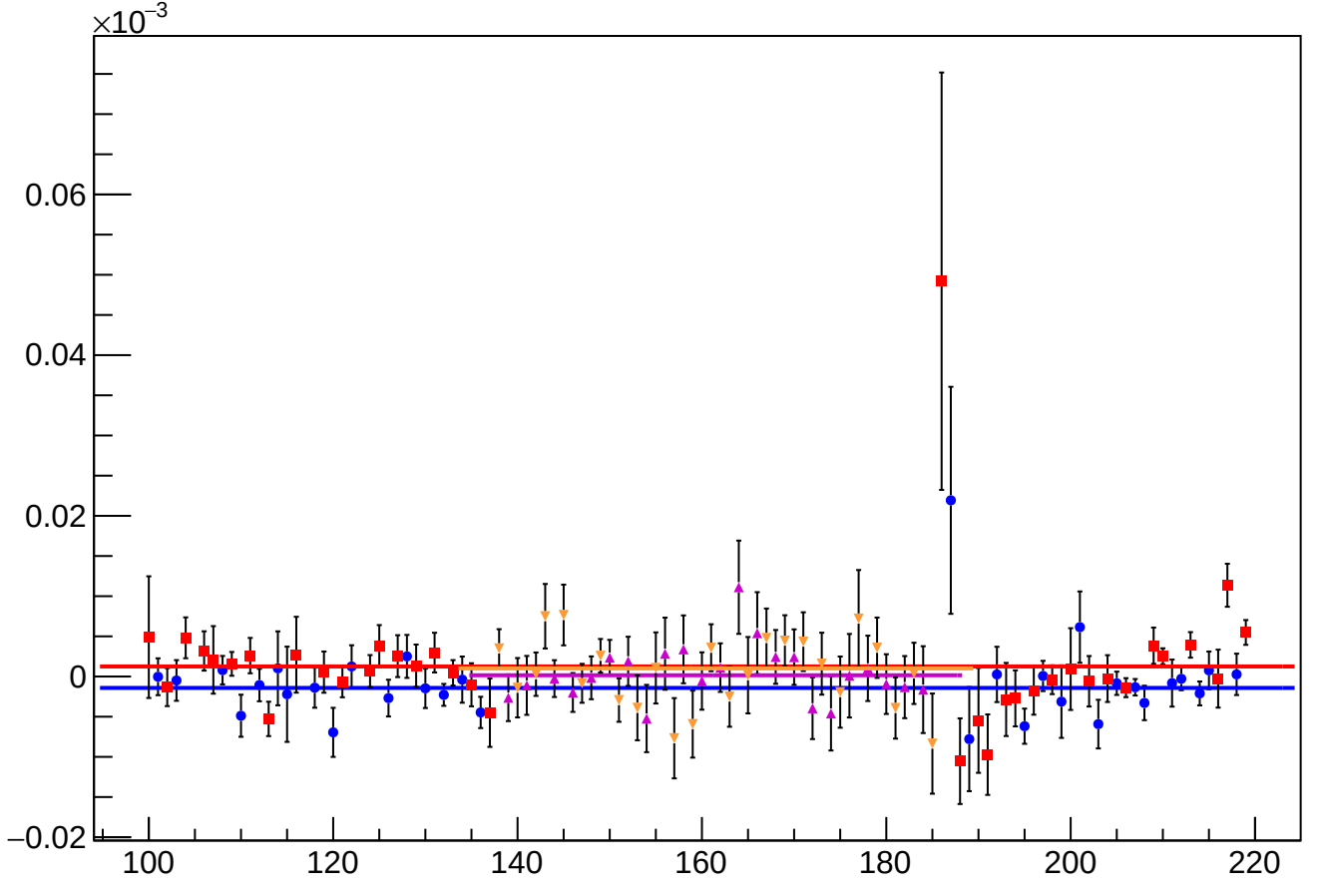
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 50.783+/-0.006 χ^2/NDF: 13423734.6/68

In: 53.612+/-0.007 χ^2/NDF:7066617.0/54

Out: 52.397+/-0.006 χ^2/NDF:9580854.6/61

All: 52.983+/-0.005 χ^2/NDF: 16665353.4/116



Right In: -0.000+/-0.000 χ^2/NDF: 31.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 71.2/36

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

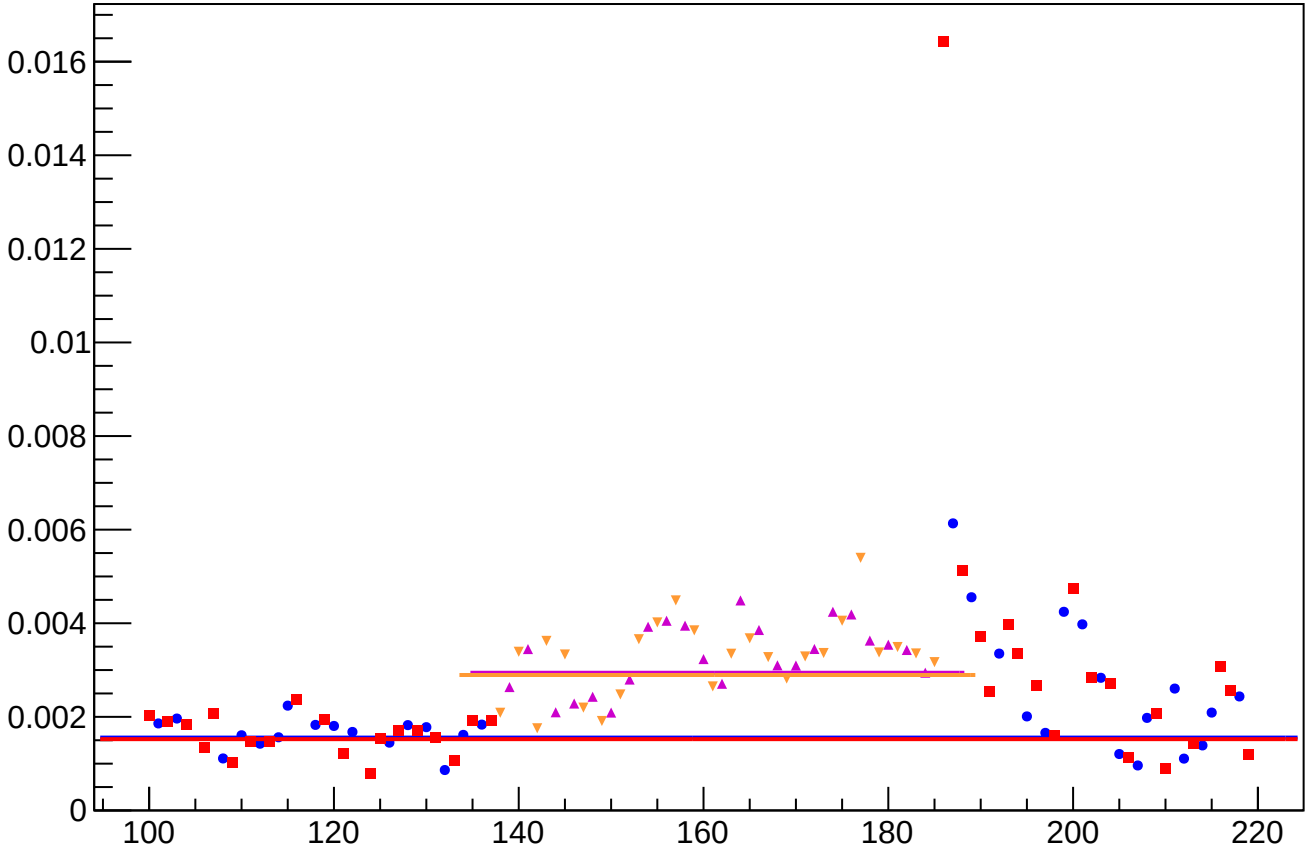
Right: -0.000+/-0.000 χ^2/NDF: 127.8/68

In: -0.000+/-0.000 χ^2/NDF:49.4/54

Out: 0.000+/-0.000 χ^2/NDF:99.8/61

All: 0.000+/-0.000 χ^2/NDF: 172.4/116

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5504578.6/31

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7750951.7/36

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

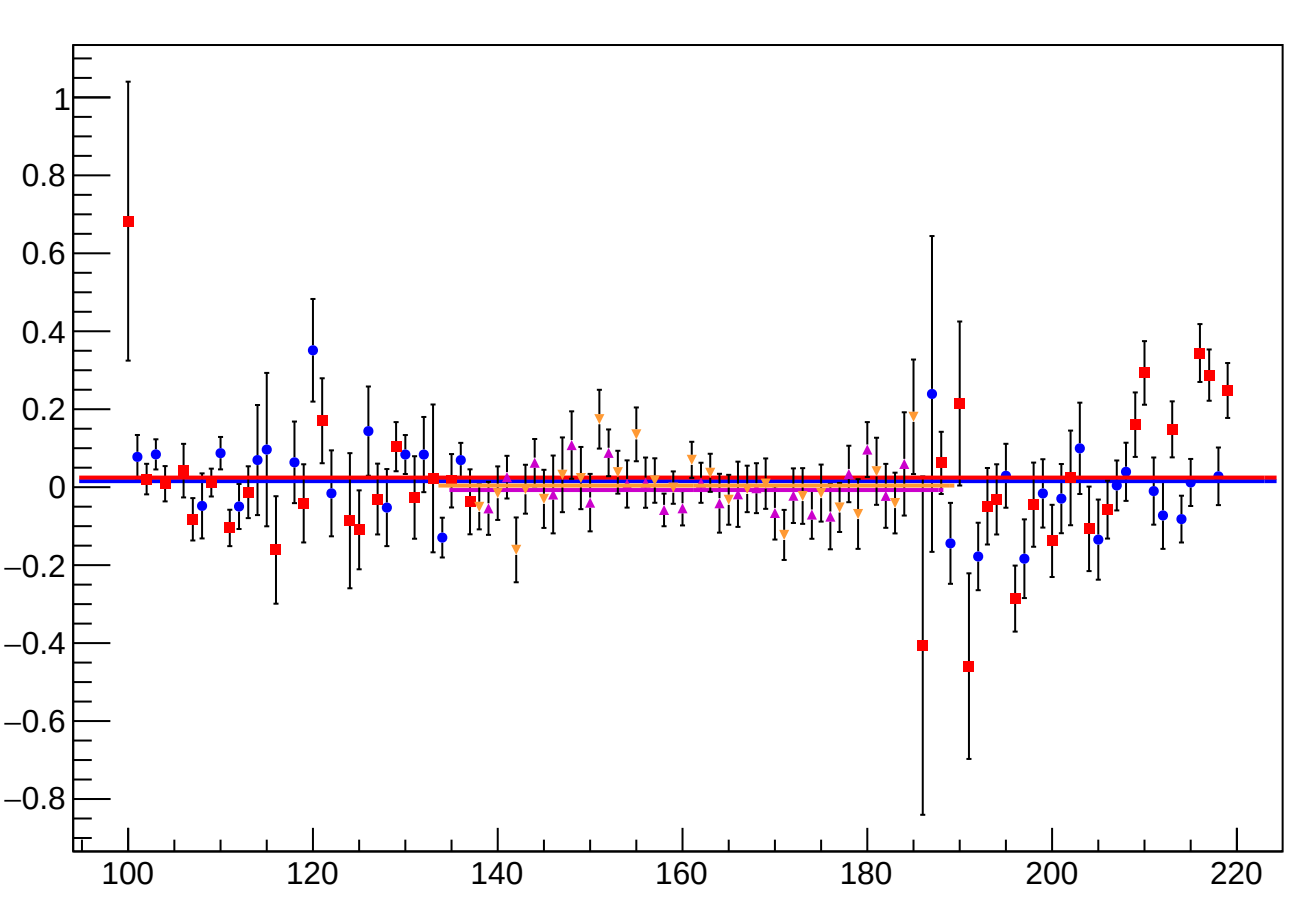
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 13263317.5/68

In: 0.002+/-0.000 χ^2/NDF:13291289.6/54

Out: 0.002+/-0.000 χ^2/NDF:16567880.5/61

All: 0.002+/-0.000 χ^2/NDF: 29870303.8/116



Right In: 0.015+/-0.013 χ^2/NDF: 48.5/31

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.025+/-0.012 χ^2/NDF: 112.3/36

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

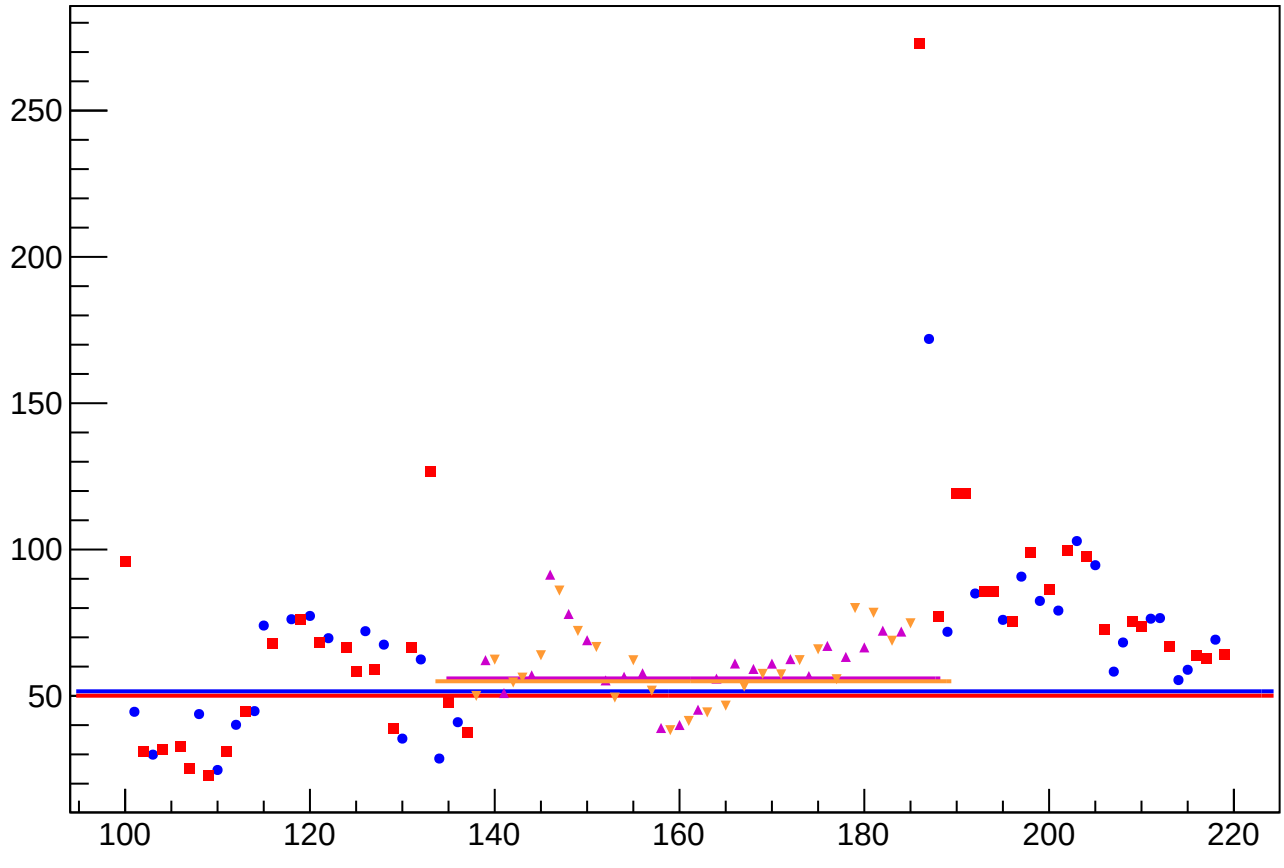
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.020+/-0.009 χ^2/NDF: 161.0/68

In: 0.005+/-0.009 χ^2/NDF:65.1/54

Out: 0.015+/-0.009 χ^2/NDF:138.4/61

All: 0.010+/-0.006 χ^2/NDF: 204.1/116



Right In: 51.552+/-0.009 χ^2/NDF: 5547672.2/31

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 50.055+/-0.009 χ^2/NDF: 7861893.1/36

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

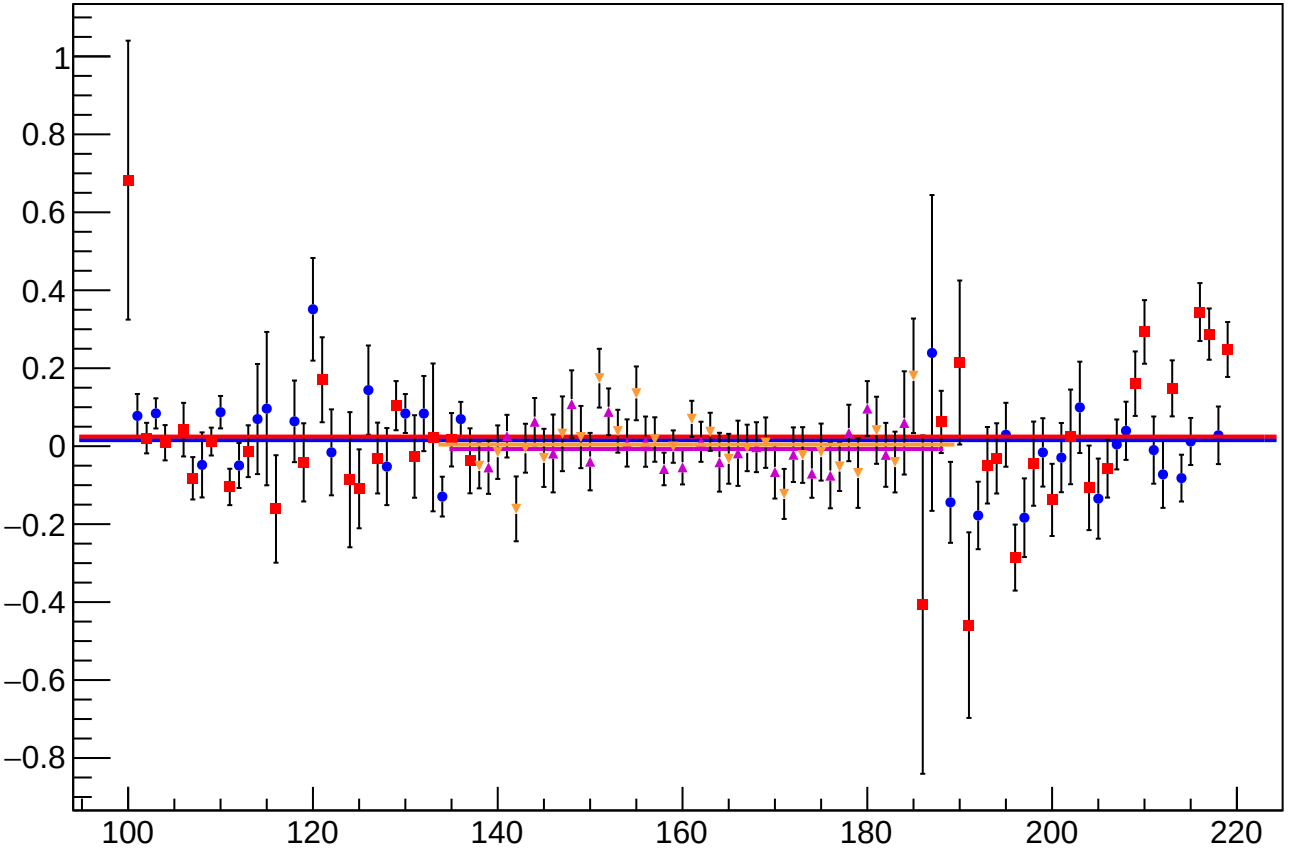
Right: 50.783+/-0.006 χ^2/NDF: 13423919.8/68

In: 53.611+/-0.007 χ^2/NDF:7066908.1/54

Out: 52.396+/-0.006 χ^2/NDF:9580974.2/61

All: 52.983+/-0.005 χ^2/NDF: 16665758.4/116

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.013 χ^2/NDF: 48.5/31

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.025+/-0.012 χ^2/NDF: 112.3/36

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

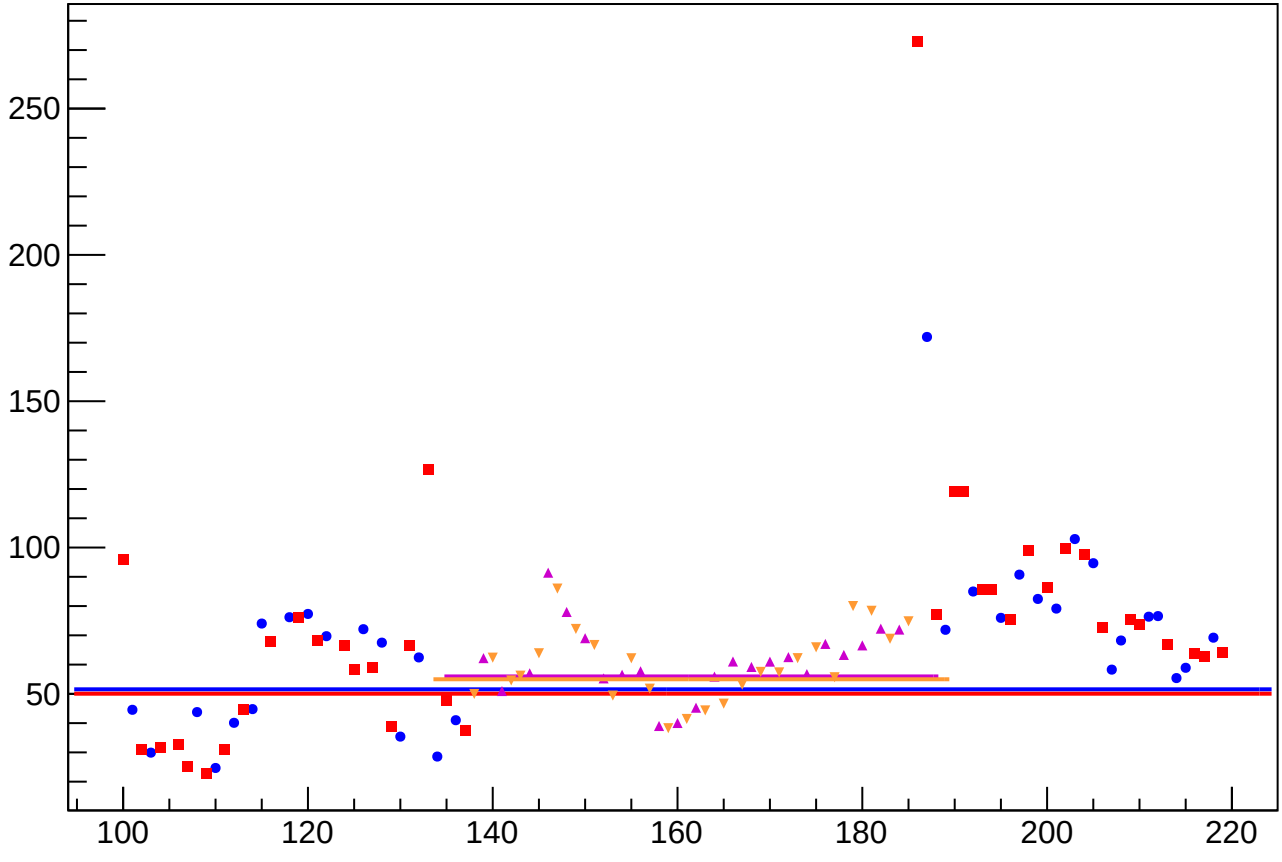
Right: 0.020+/-0.009 χ^2/NDF: 161.0/68

In: 0.005+/-0.009 χ^2/NDF:65.1/54

Out: 0.015+/-0.009 χ^2/NDF:138.4/61

All: 0.010+/-0.006 χ^2/NDF: 204.1/116

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.552+/-0.009 χ^2/NDF: 5547672.2/31

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 50.055+/-0.009 χ^2/NDF: 7861893.1/36

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

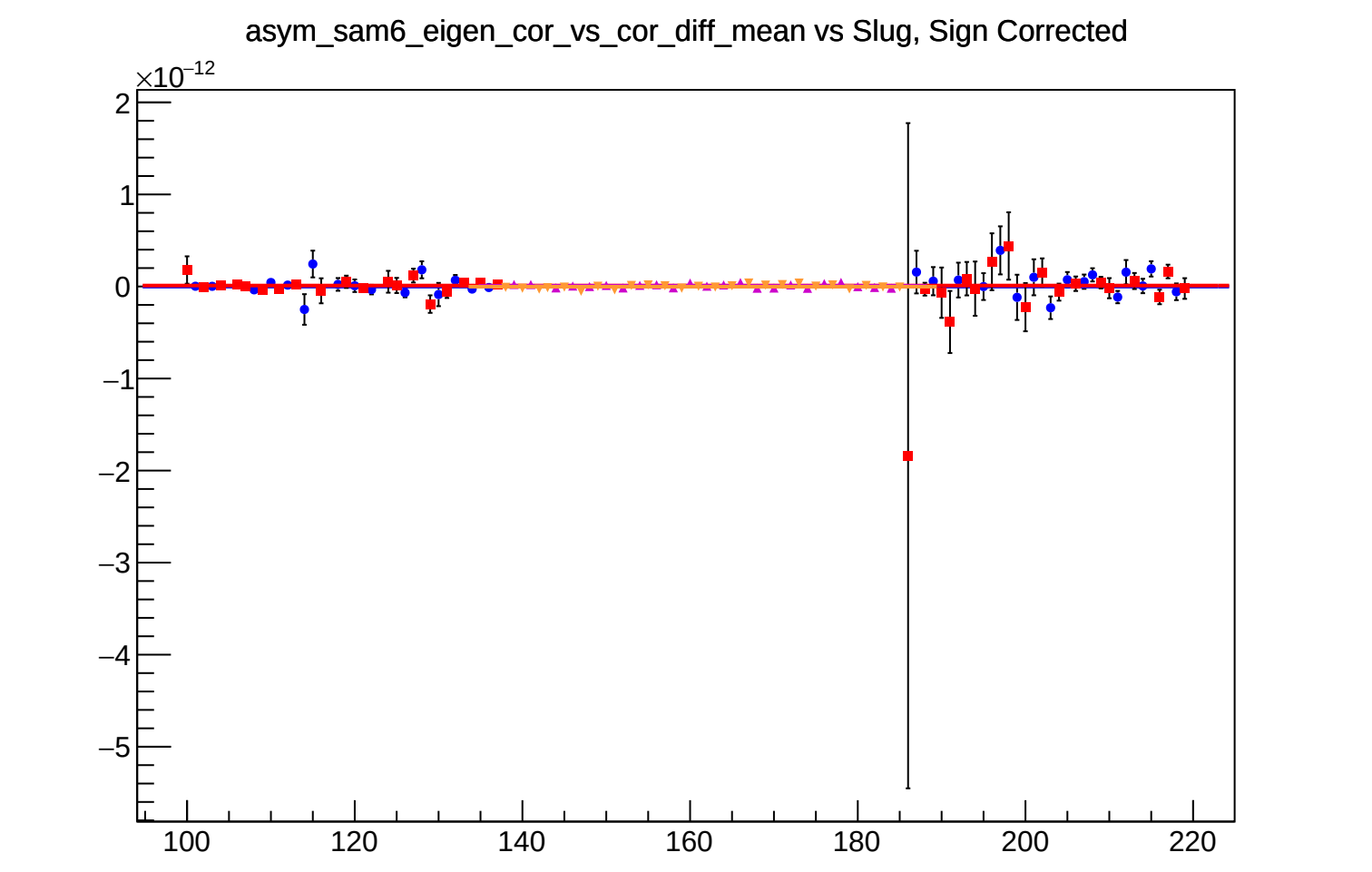
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 50.783+/-0.006 χ^2/NDF: 13423919.8/68

In: 53.611+/-0.007 χ^2/NDF:7066908.1/54

Out: 52.396+/-0.006 χ^2/NDF:9580974.2/61

All: 52.983+/-0.005 χ^2/NDF: 16665758.4/116



Right In: -0.000+/-0.000 χ^2/NDF: 38.1/31

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

Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/36

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

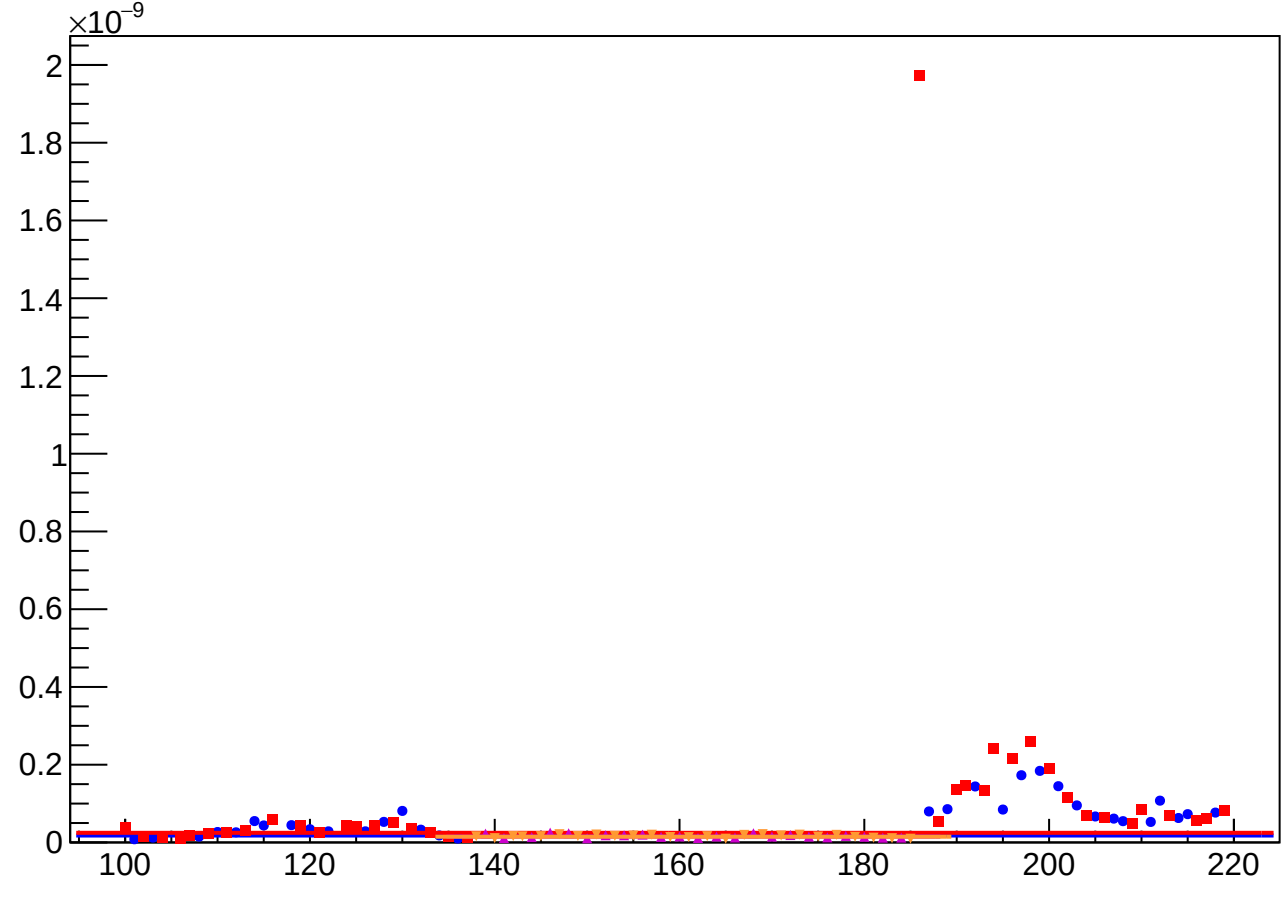
Left: 0.000+/-0.000 χ^2/NDF: 43.6/47

Right: 0.000+/-0.000 χ^2/NDF: 69.0/68

In: 0.000+/-0.000 χ^2/NDF:61.0/54

Out: -0.000+/-0.000 χ^2/NDF:50.9/61

All: 0.000+/-0.000 χ^2/NDF: 112.7/116



Right In: 0.000+/-0.000 χ^2/NDF: 14668712.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13058384.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

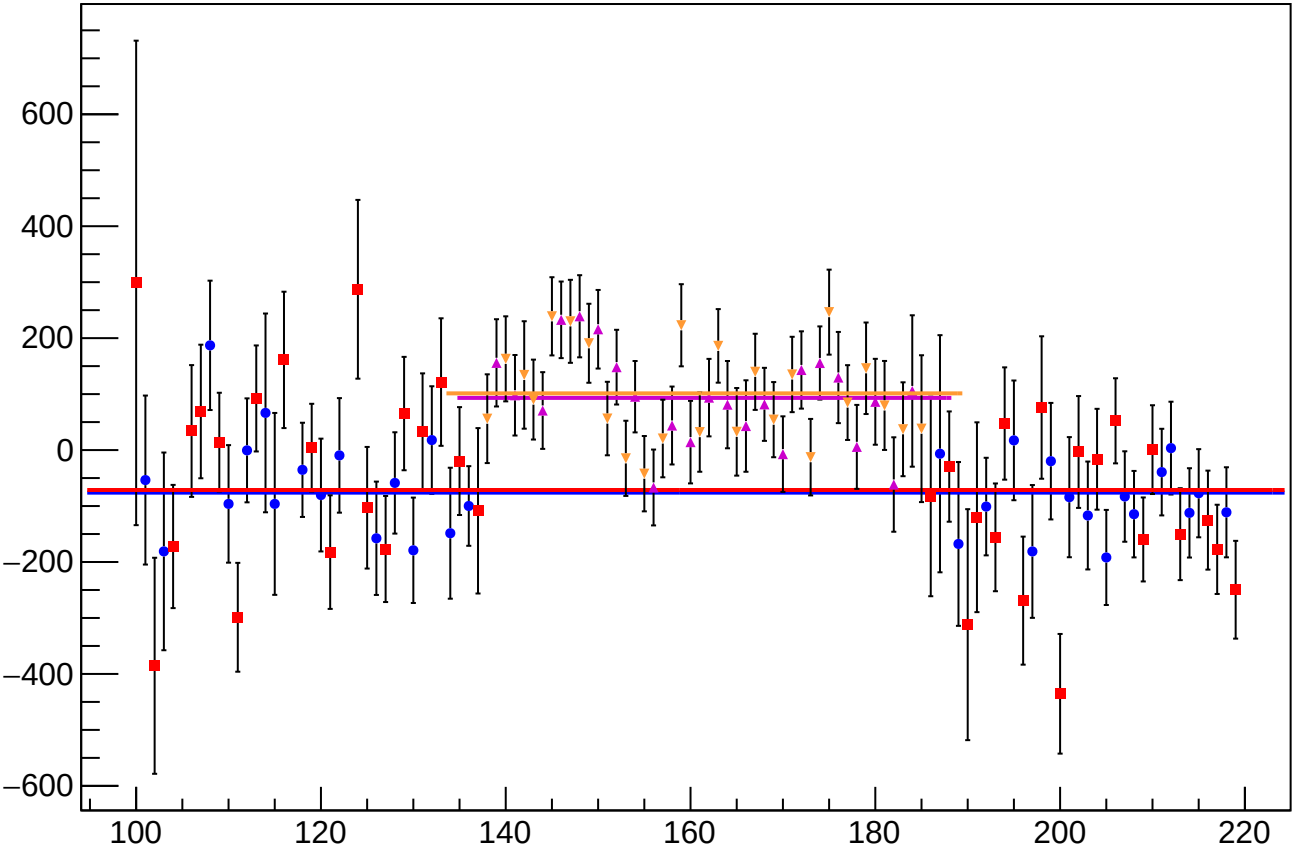
Right: 0.000+/-0.000 χ^2/NDF: 28530643.0/68

In: 0.000+/-0.000 χ^2/NDF:16343500.8/54

Out: 0.000+/-0.000 χ^2/NDF:16691882.4/61

All: 0.000+/-0.000 χ^2/NDF: 33096015.5/116

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -76.036+/-17.243 χ^2/NDF: 17.2/31

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -71.342+/-16.880 χ^2/NDF: 66.6/36

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

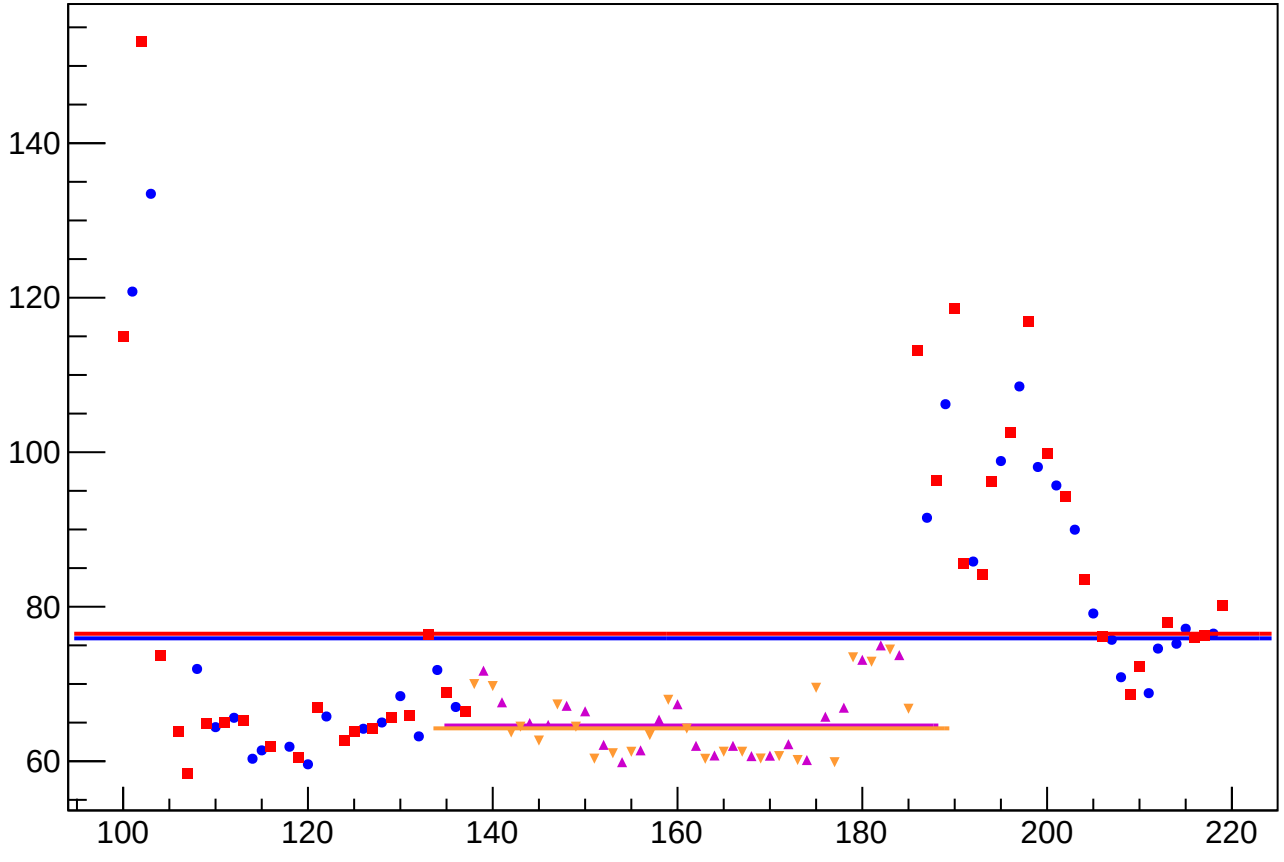
Right: -73.639+/-12.062 χ^2/NDF: 83.8/68

In: 19.566+/-11.375 χ^2/NDF:100.4/54

Out: 27.191+/-11.061 χ^2/NDF:160.2/61

All: 23.486+/-7.930 χ^2/NDF: 260.9/116

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.906+/-0.012 χ^2/NDF: 1332021.3/31

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.503+/-0.012 χ^2/NDF: 1615606.5/36

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

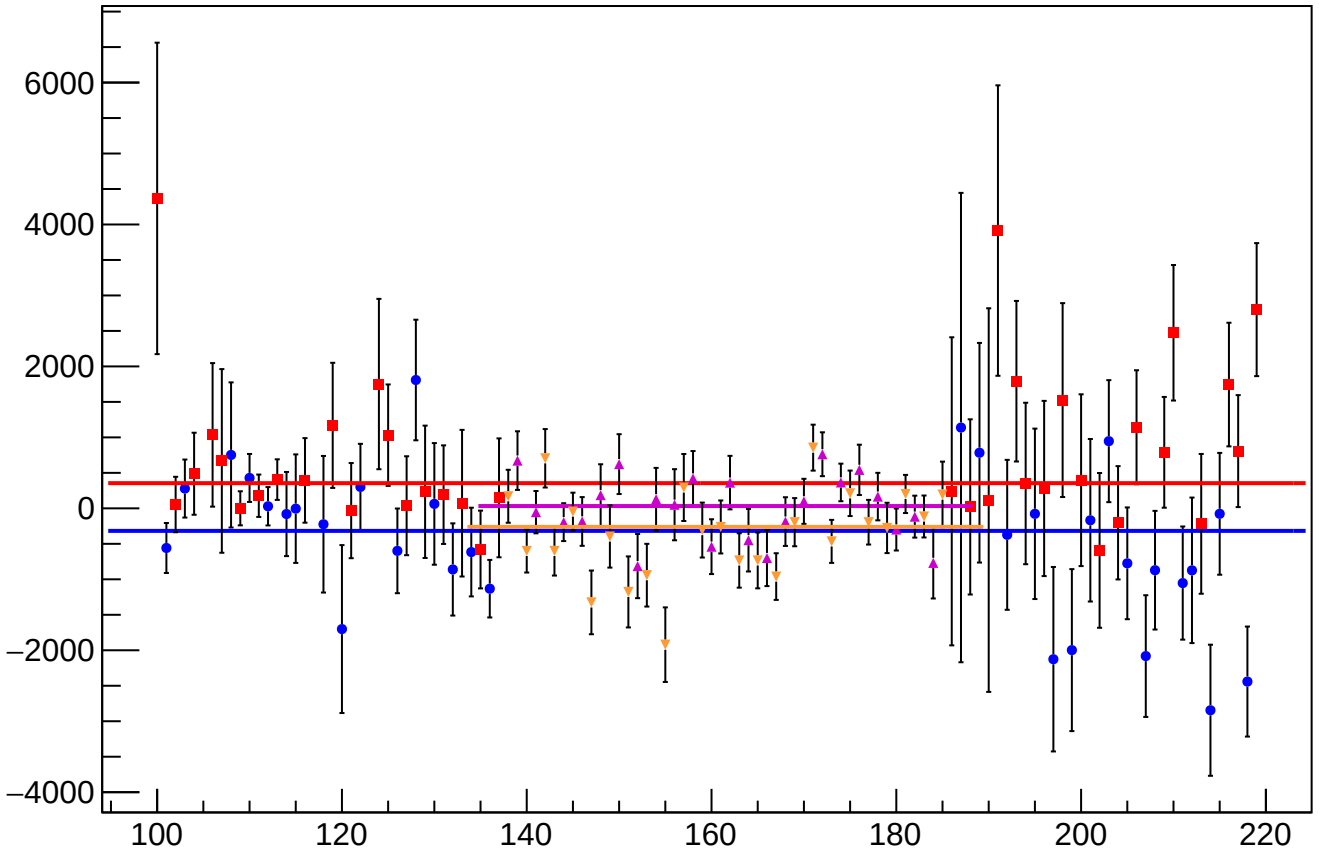
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.211+/-0.009 χ^2/NDF: 2948851.9/68

In: 69.533+/-0.008 χ^2/NDF:1963057.1/54

Out: 69.514+/-0.008 χ^2/NDF:2394154.3/61

All: 69.523+/-0.006 χ^2/NDF: 4357214.2/116



Right In: -317.614+/-111.958 χ^2/NDF: 52.9/31

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 354.968+/-106.269 χ^2/NDF: 36.8/36

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

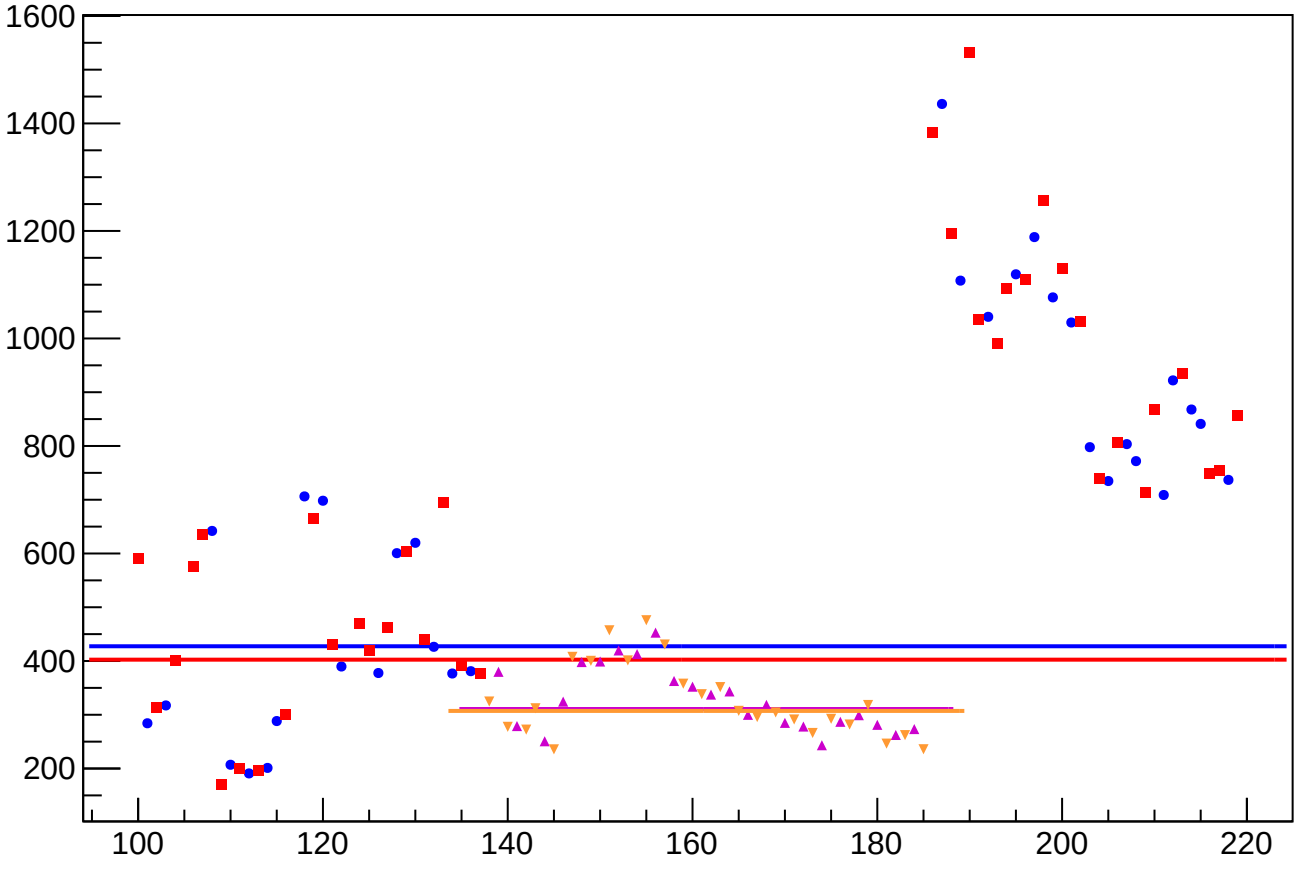
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 36.197+/-77.076 χ^2/NDF: 108.6/68

In: -73.677+/-61.639 χ^2/NDF:91.4/54

Out: -69.995+/-59.190 χ^2/NDF:118.7/61

All: -71.761+/-42.693 χ^2/NDF: 210.1/116



Right In: 427.420+/-0.079 χ^2/NDF: 10970181.5/31

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 402.495+/-0.075 χ^2/NDF: 13899248.0/36

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

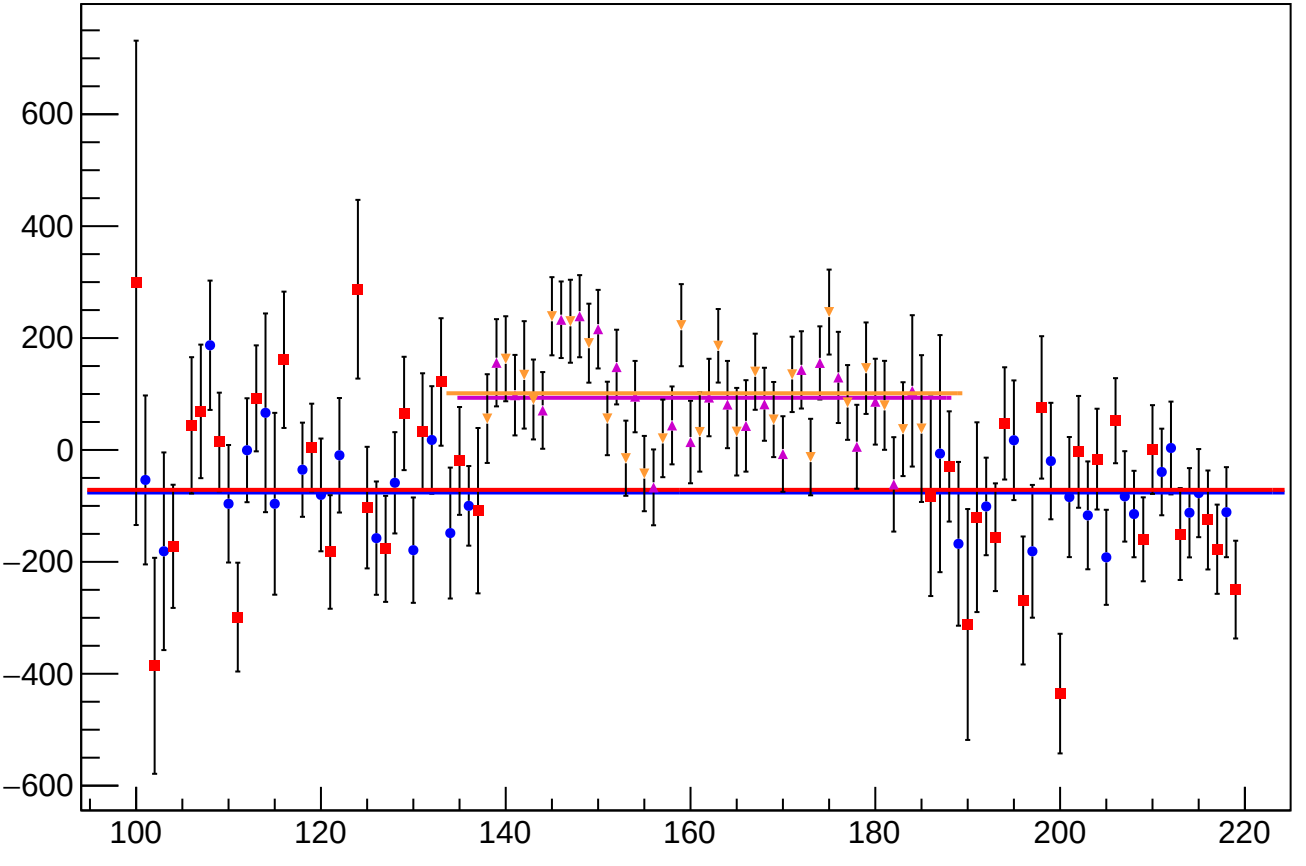
Right: 414.308+/-0.055 χ^2/NDF: 24921571.1/68

In: 346.077+/-0.044 χ^2/NDF:13564575.7/54

Out: 336.724+/-0.042 χ^2/NDF:16330057.6/61

All: 341.211+/-0.030 χ^2/NDF: 29918591.5/1

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -76.039+/-17.243 χ^2/NDF: 17.2/31

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -71.294+/-16.892 χ^2/NDF: 66.7/36

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

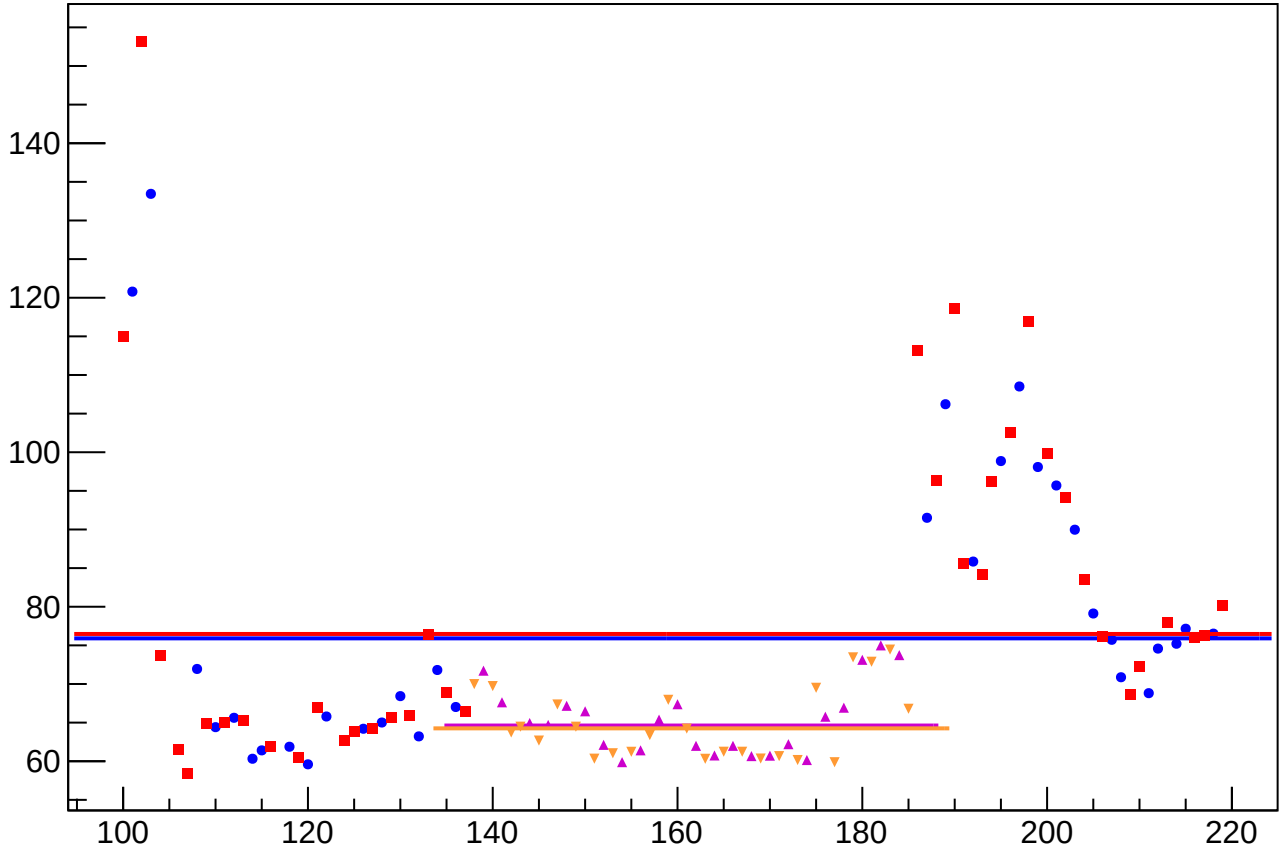
Right: -73.617+/-12.067 χ^2/NDF: 83.9/68

In: 19.565+/-11.375 χ^2/NDF:100.4/54

Out: 27.269+/-11.064 χ^2/NDF:160.2/61

All: 23.524+/-7.931 χ^2/NDF: 260.9/116

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.906+/-0.012 χ^2/NDF: 1332021.7/31

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.475+/-0.012 χ^2/NDF: 1622887.5/36

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

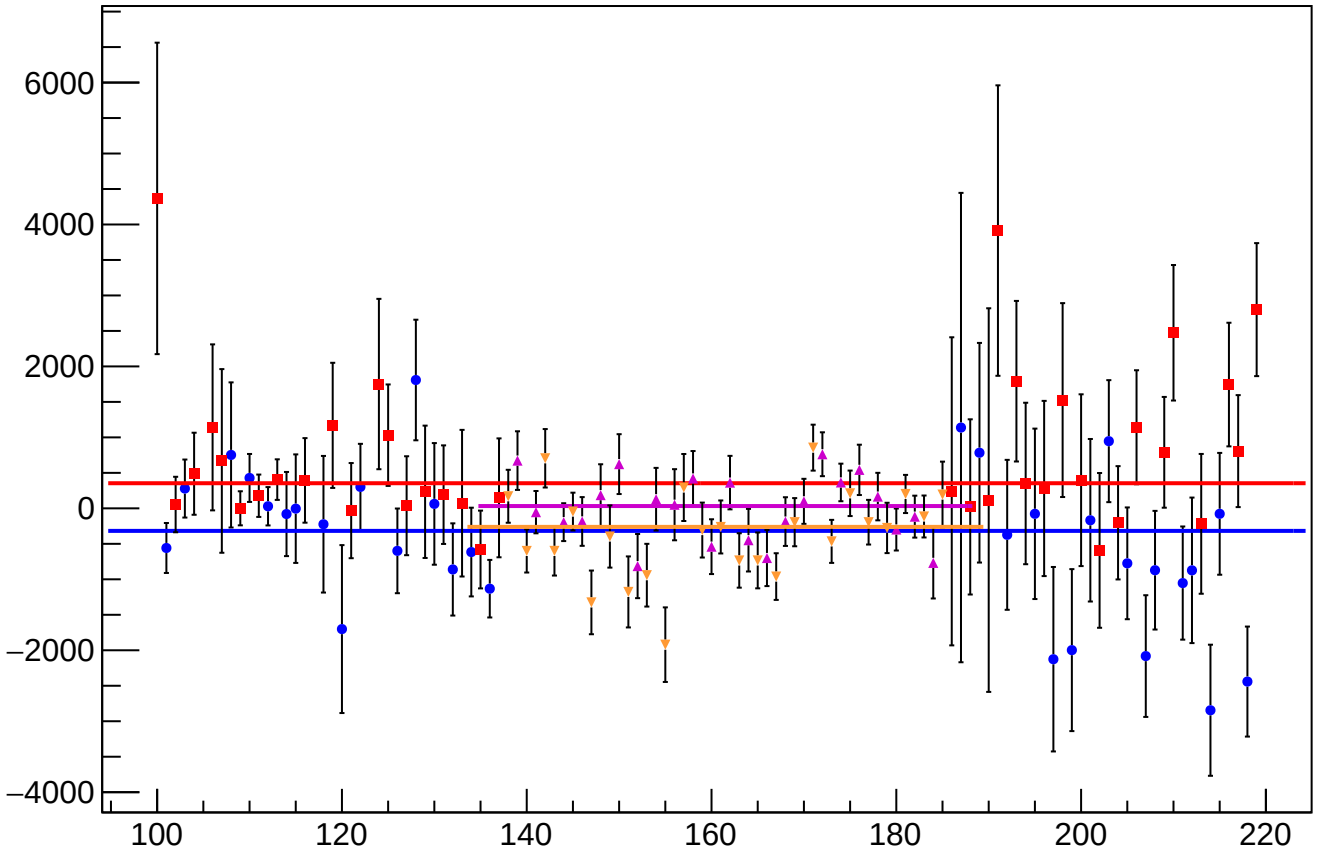
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.197+/-0.009 χ^2/NDF: 2956018.9/68

In: 69.533+/-0.008 χ^2/NDF:1963057.5/54

Out: 69.498+/-0.008 χ^2/NDF:2398192.9/61

All: 69.515+/-0.006 χ^2/NDF: 4361260.0/116



Right In: -317.613+/-111.959 χ^2/NDF: 52.9/31

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 353.960+/-106.421 χ^2/NDF: 36.8/36

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

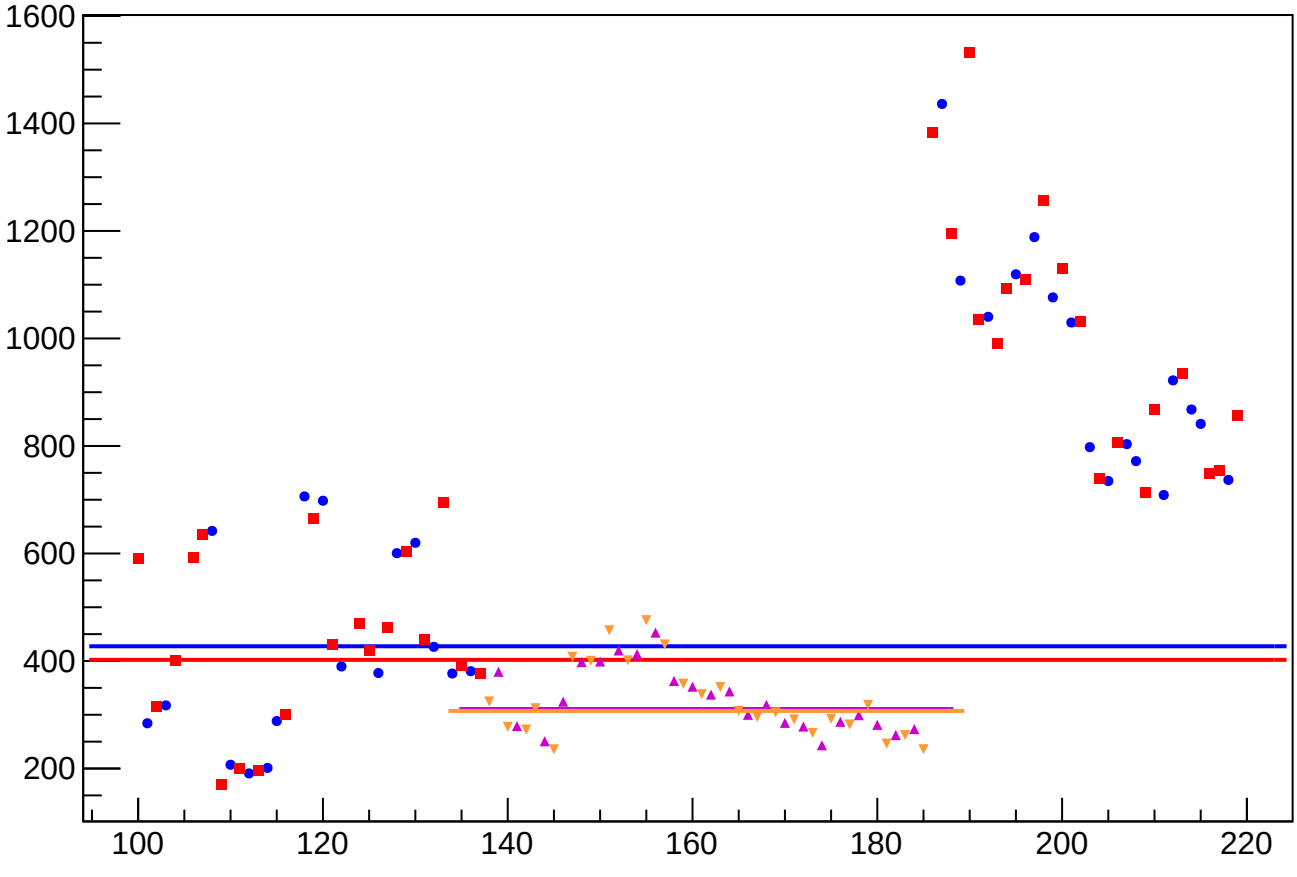
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 35.191+/-77.135 χ^2/NDF: 108.5/68

In: -73.678+/-61.639 χ^2/NDF:91.4/54

Out: -70.684+/-59.216 χ^2/NDF:118.6/61

All: -72.121+/-42.703 χ^2/NDF: 210.0/116



Right In: 427.422+/-0.079 χ^2/NDF: 10970105.5/31

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 402.178+/-0.075 χ^2/NDF: 13893593.6/36

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

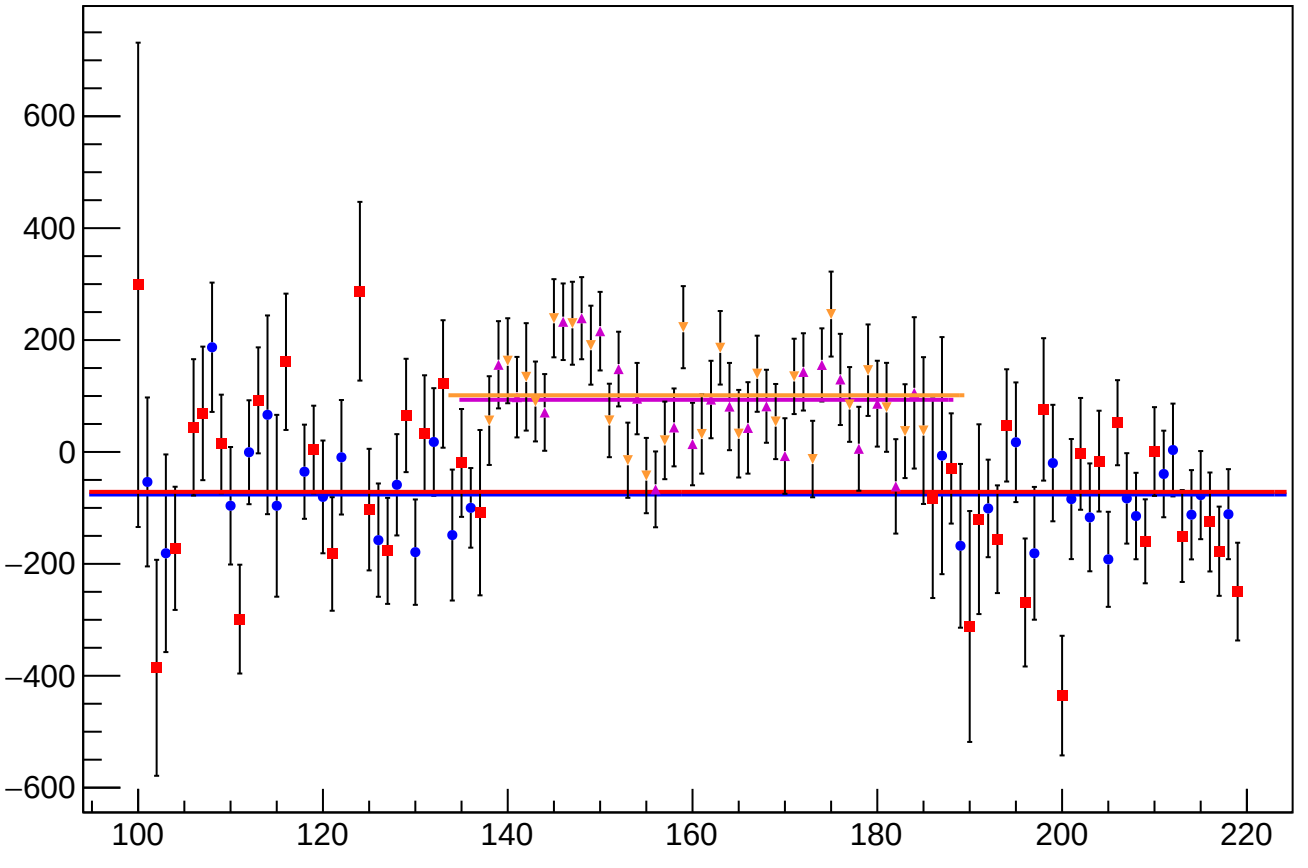
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 414.161+/-0.055 χ^2/NDF: 24917114.7/68

In: 346.078+/-0.044 χ^2/NDF:13564559.1/54

Out: 336.568+/-0.042 χ^2/NDF:16314854.3/61

All: 341.132+/-0.030 χ^2/NDF: 29904173.1/11



Right In: -76.039+/-17.243 χ^2/NDF: 17.2/31

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -71.294+/-16.892 χ^2/NDF: 66.7/36

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

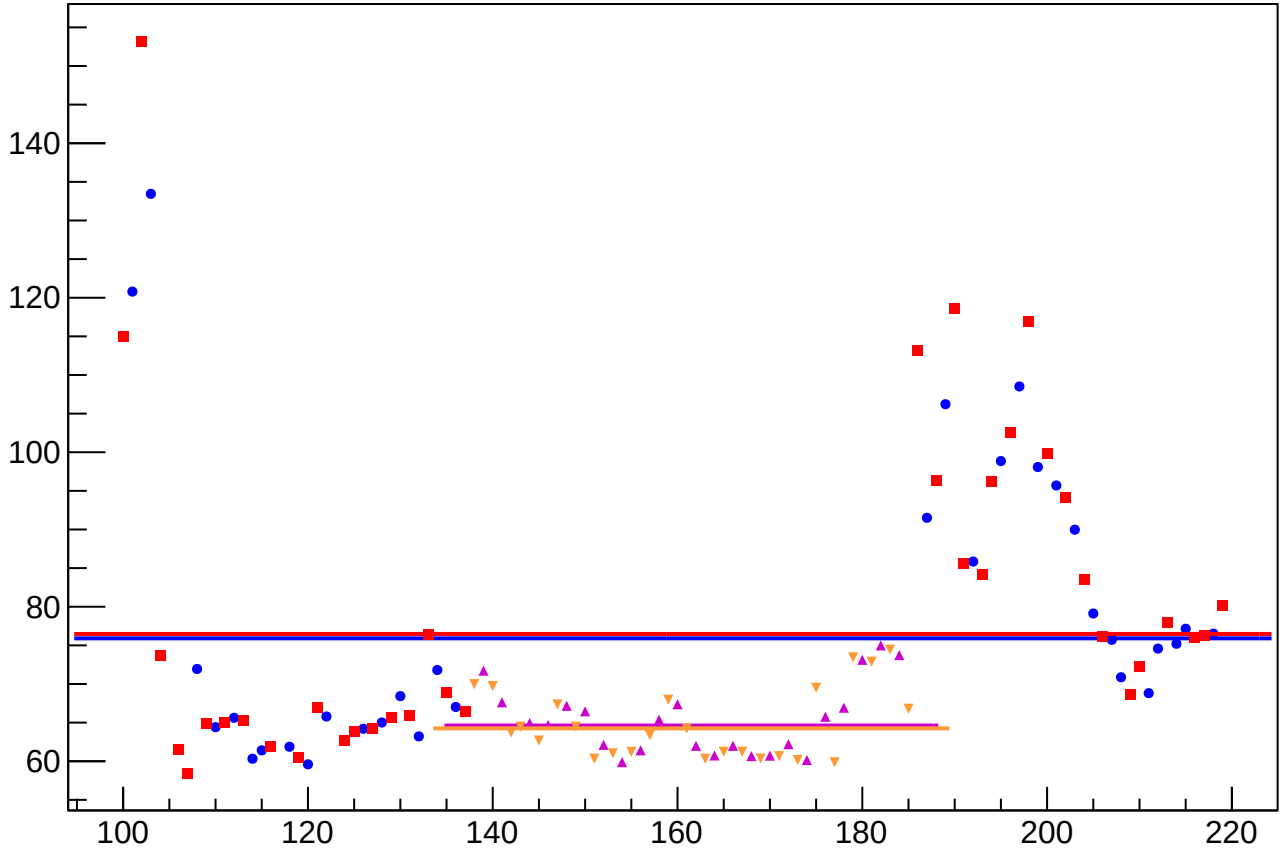
Right: -73.617+/-12.067 χ^2/NDF: 83.9/68

In: 19.565+/-11.375 χ^2/NDF:100.4/54

Out: 27.269+/-11.064 χ^2/NDF:160.2/61

All: 23.524+/-7.931 χ^2/NDF: 260.9/116

eigen_cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.906+/-0.012 χ^2/NDF: 1332021.7/31

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.475+/-0.012 χ^2/NDF: 1622887.5/36

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

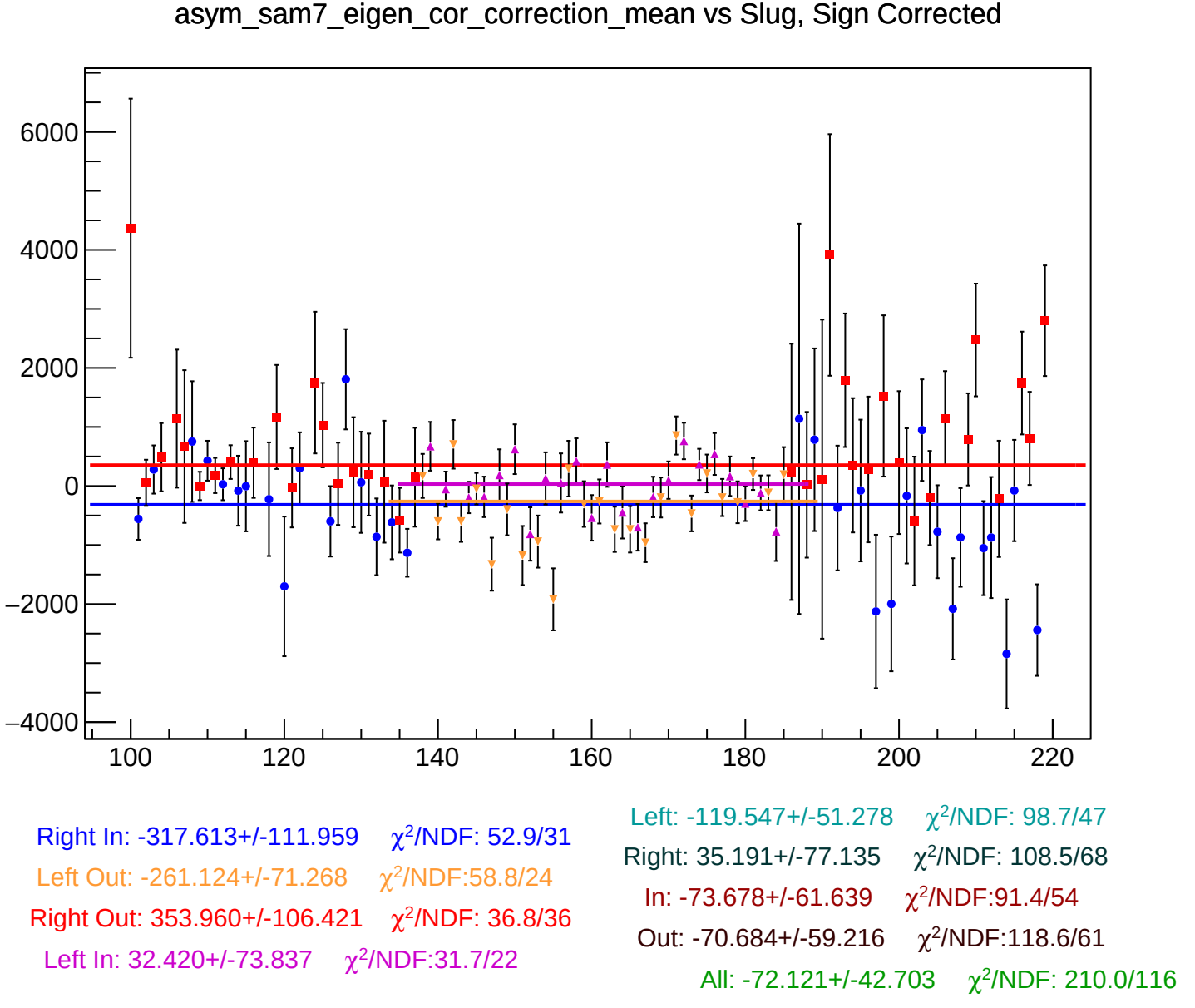
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

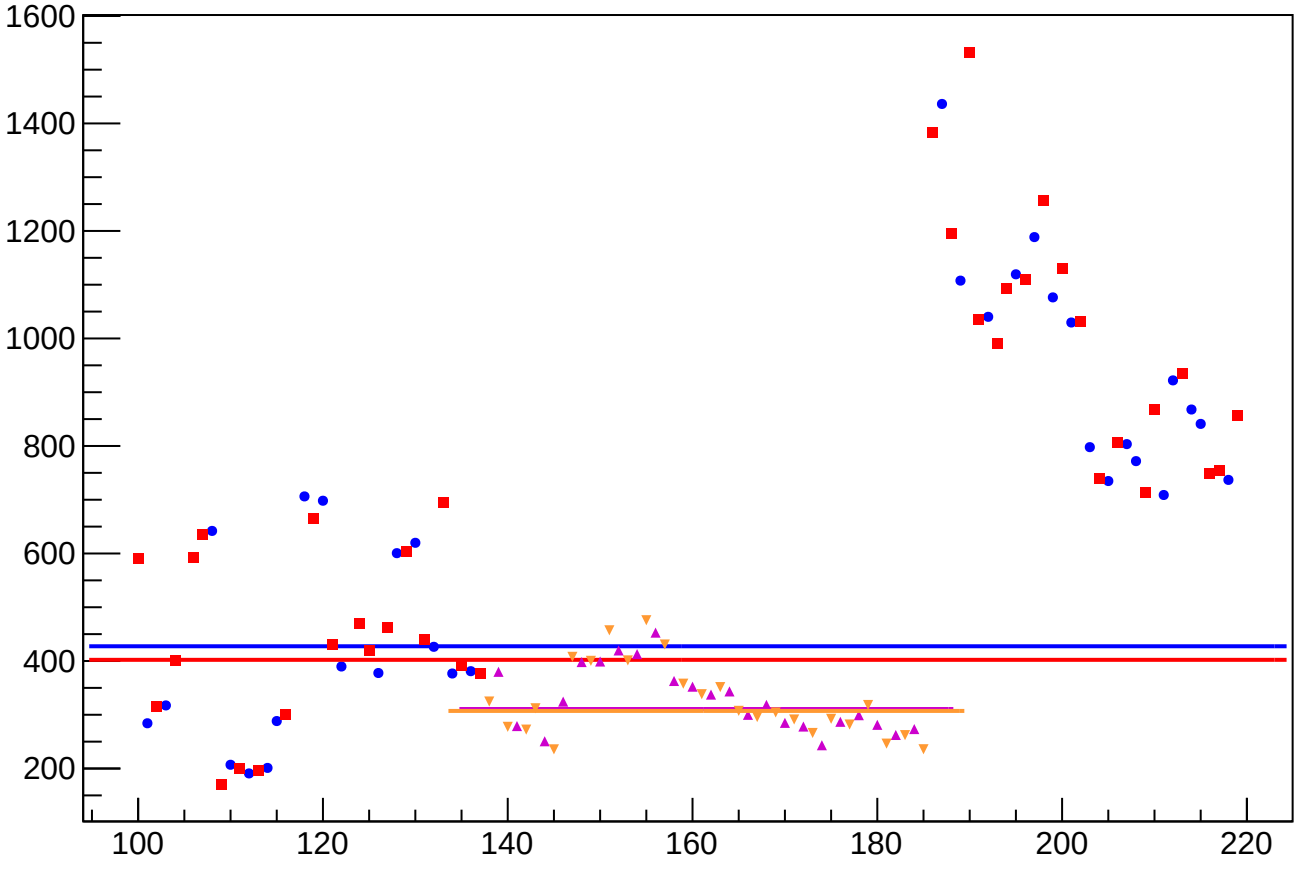
Right: 76.197+/-0.009 χ^2/NDF: 2956018.9/68

In: 69.533+/-0.008 χ^2/NDF:1963057.5/54

Out: 69.498+/-0.008 χ^2/NDF:2398192.9/61

All: 69.515+/-0.006 χ^2/NDF: 4361260.0/116


asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -317.613+/-111.959 χ²/NDF: 52.9/31
Left Out: -261.124+/-71.268 χ²/NDF:58.8/24
Right Out: 353.960+/-106.421 χ²/NDF: 36.8/36
Left In: 32.420+/-73.837 χ²/NDF:31.7/22
Left: -119.547+/-51.278 χ²/NDF: 98.7/47
Right: 35.191+/-77.135 χ²/NDF: 108.5/68
In: -73.678+/-61.639 χ²/NDF:91.4/54
Out: -70.684+/-59.216 χ²/NDF:118.6/61
All: -72.121+/-42.703 χ²/NDF: 210.0/116


asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
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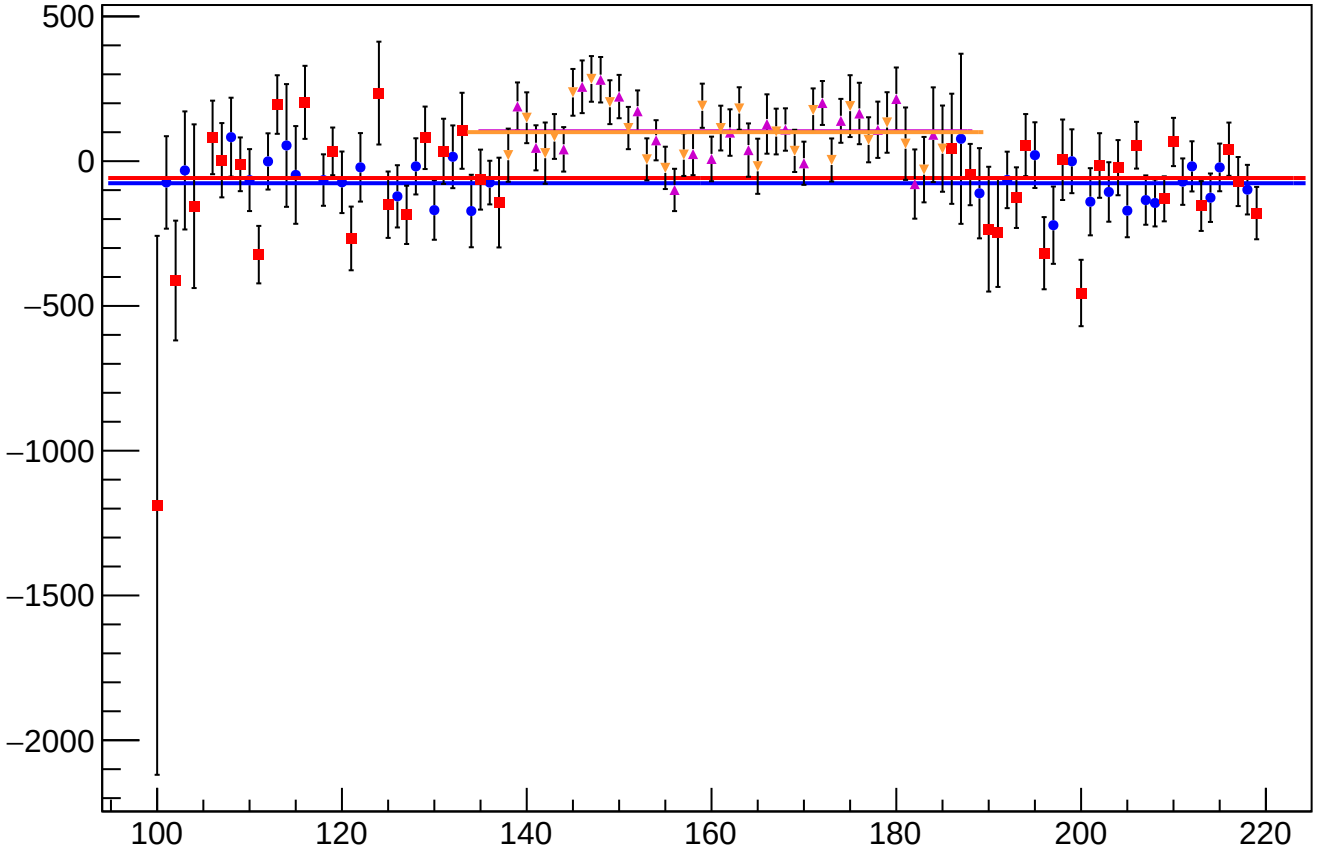
100
120
140
160
180
200
220
Right In: 427.422+/-0.079 χ²/NDF: 10970105.5/31
Left Out: 307.143+/-0.050 χ²/NDF:1320147.4/24
Right Out: 402.178+/-0.075 χ²/NDF: 13893593.6/36
Left In: 310.698+/-0.052 χ²/NDF:1079479.8/22
Left: 308.857+/-0.036 χ²/NDF: 2402026.6/47
Right: 414.161+/-0.055 χ²/NDF: 24917114.7/68
In: 346.078+/-0.044 χ²/NDF:13564559.1/54
Out: 336.568+/-0.042 χ²/NDF:16314854.3/61
All: 341.132+/-0.030 χ²/NDF: 29904173.1/11

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -76.149+/-18.459 χ^2/NDF: 12.0/31

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -58.175+/-18.145 χ^2/NDF: 67.6/36

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

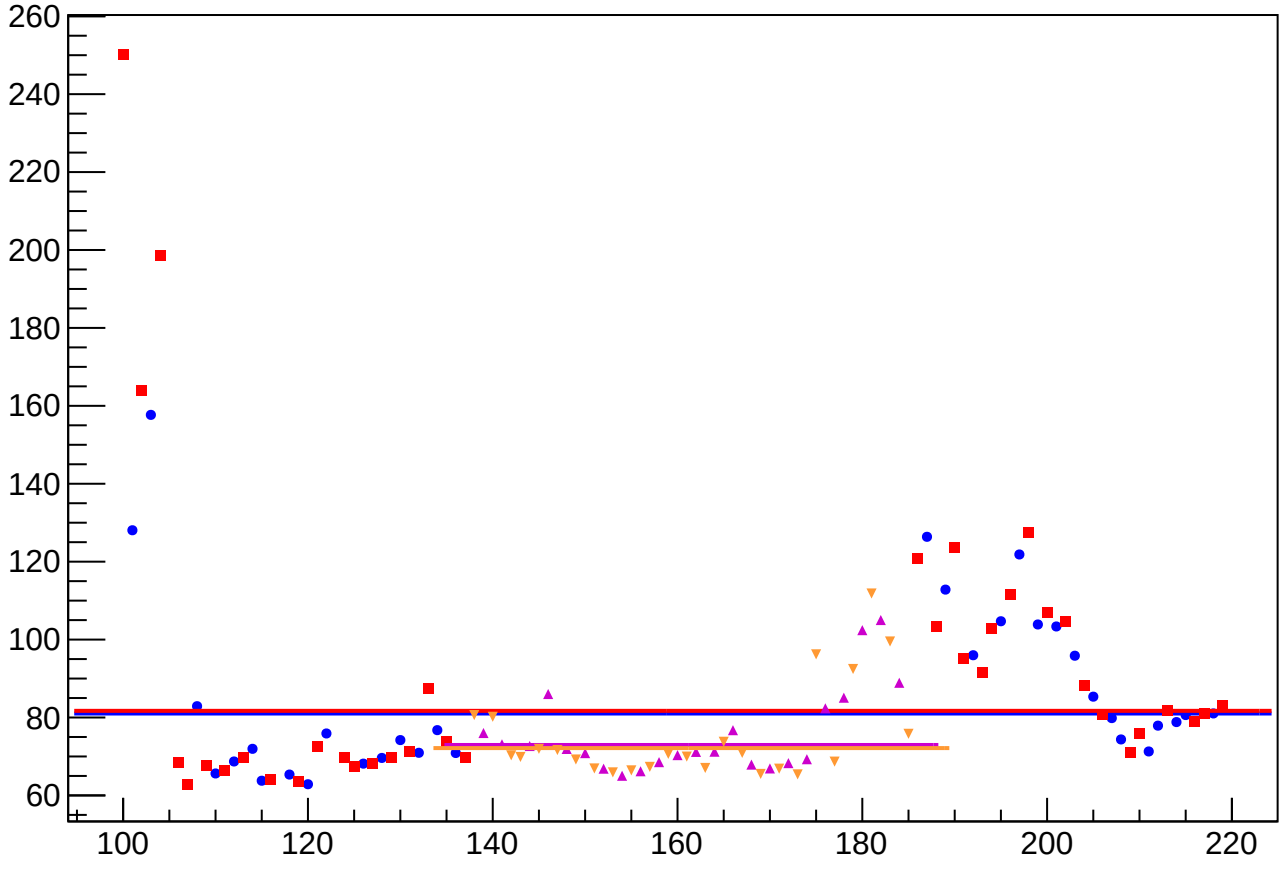
Right: -67.008+/-12.940 χ^2/NDF: 80.0/68

In: 19.625+/-12.607 χ^2/NDF:95.2/54

Out: 27.964+/-12.258 χ^2/NDF:136.7/61

All: 23.912+/-8.789 χ^2/NDF: 232.1/116

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 81.027+/-0.013 χ^2/NDF: 1505405.6/31

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 81.711+/-0.013 χ^2/NDF: 2129311.2/36

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

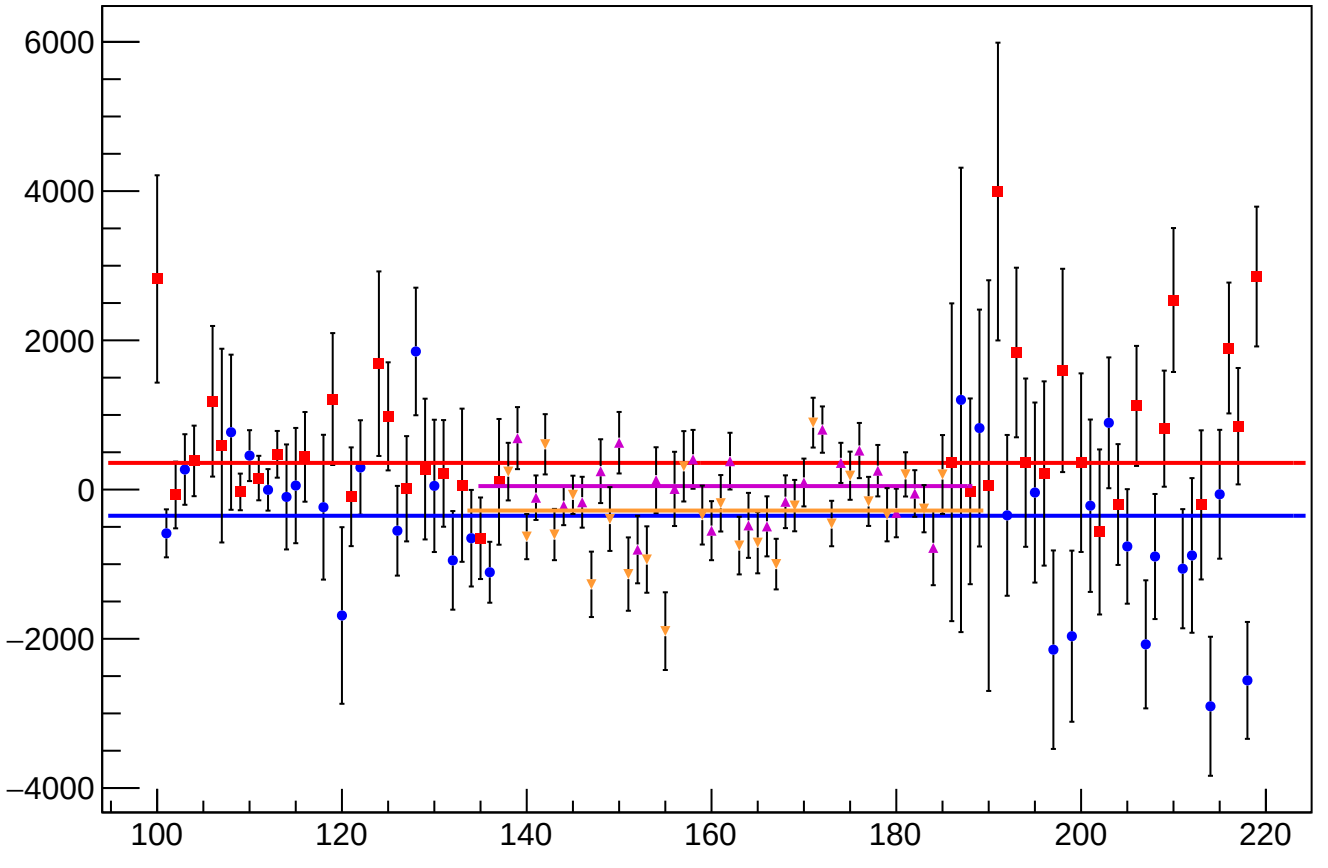
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 81.375+/-0.009 χ^2/NDF: 3636111.1/68

In: 76.717+/-0.009 χ^2/NDF:2218828.7/54

Out: 76.513+/-0.009 χ^2/NDF:3073151.1/61

All: 76.612+/-0.006 χ^2/NDF: 5292248.8/116



Right In: -351.024+/-113.854 χ^2/NDF: 52.8/31

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 357.432+/-108.017 χ^2/NDF: 39.5/36

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

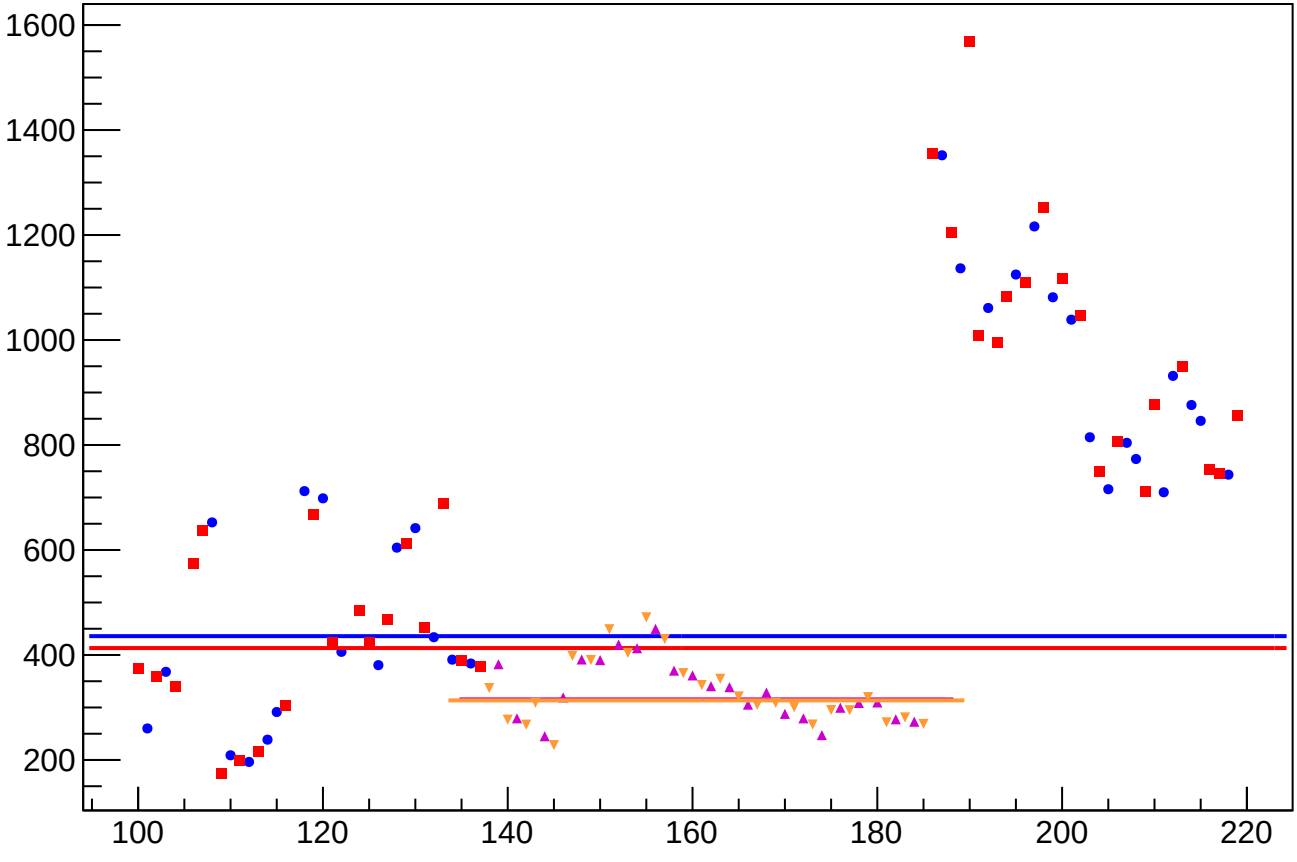
Right: 21.828+/-78.362 χ^2/NDF: 112.6/68

In: -73.520+/-62.572 χ^2/NDF:92.0/54

Out: -82.715+/-60.219 χ^2/NDF:120.4/61

All: -78.293+/-43.389 χ^2/NDF: 212.4/116

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



Right In: 435.879+/-0.081 χ^2/NDF: 10816872.5/31

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 413.179+/-0.076 χ^2/NDF: 13387406.9/36

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

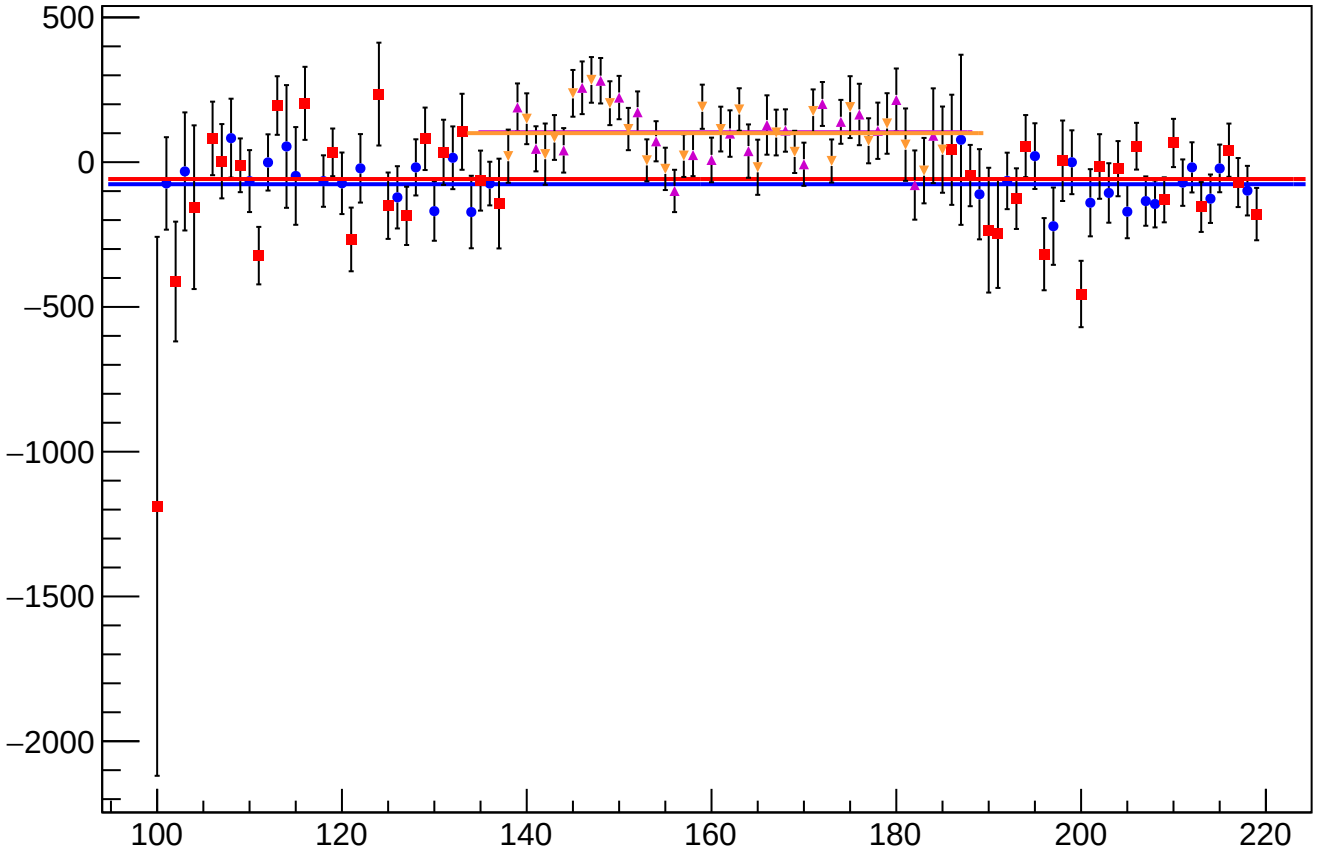
Right: 423.932+/-0.055 χ^2/NDF: 24246120.1/68

In: 351.828+/-0.044 χ^2/NDF:13387049.8/54

Out: 344.481+/-0.043 χ^2/NDF:15736726.5/61

All: 348.014+/-0.031 χ^2/NDF: 29138092.6/11

eigen_dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -76.148+/-18.459 χ^2/NDF: 12.0/31

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -58.177+/-18.145 χ^2/NDF: 67.6/36

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

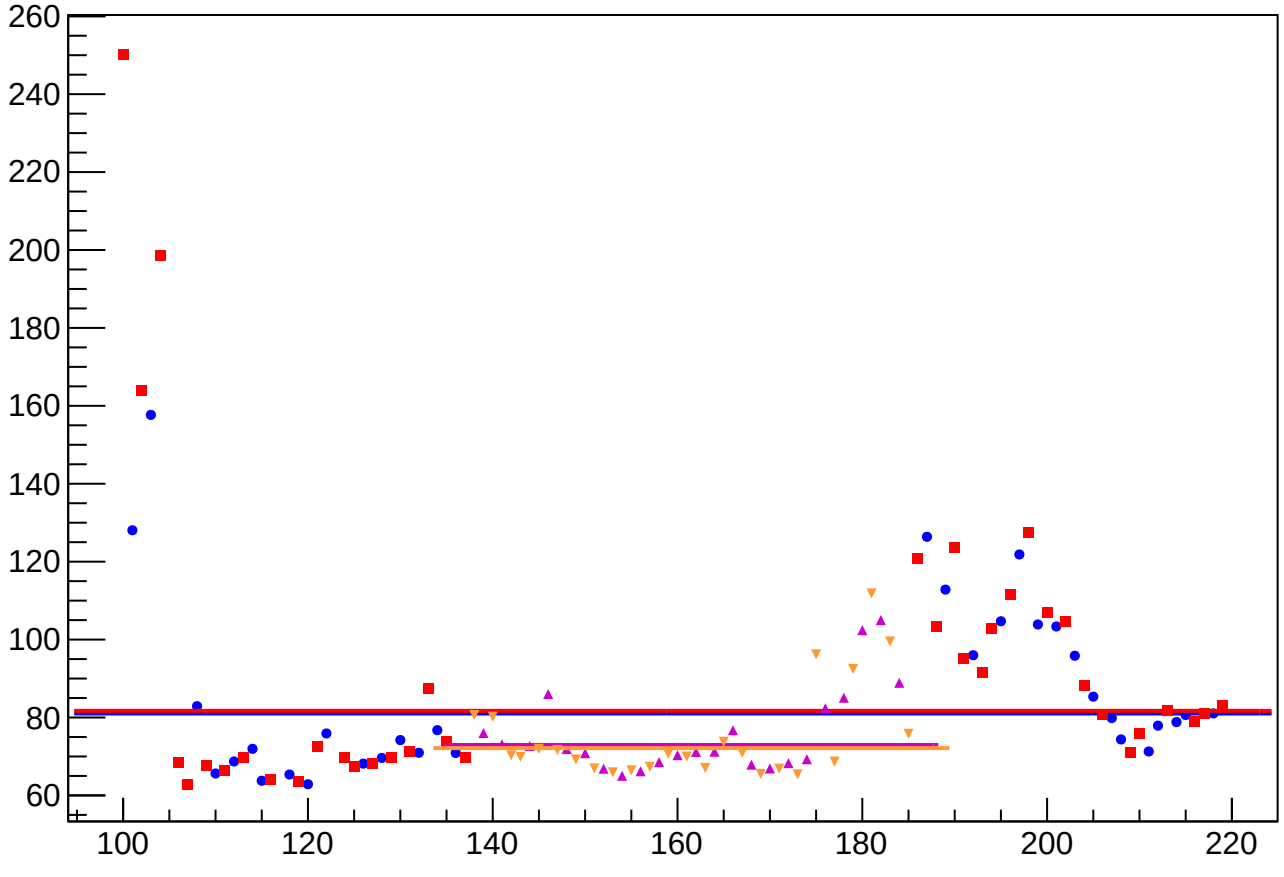
Right: -67.008+/-12.940 χ^2/NDF: 80.0/68

In: 19.625+/-12.607 χ^2/NDF:95.2/54

Out: 27.963+/-12.258 χ^2/NDF:136.7/61

All: 23.911+/-8.789 χ^2/NDF: 232.1/116

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 81.027+/-0.013 χ^2/NDF: 1505412.4/31

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 81.711+/-0.013 χ^2/NDF: 2129312.6/36

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

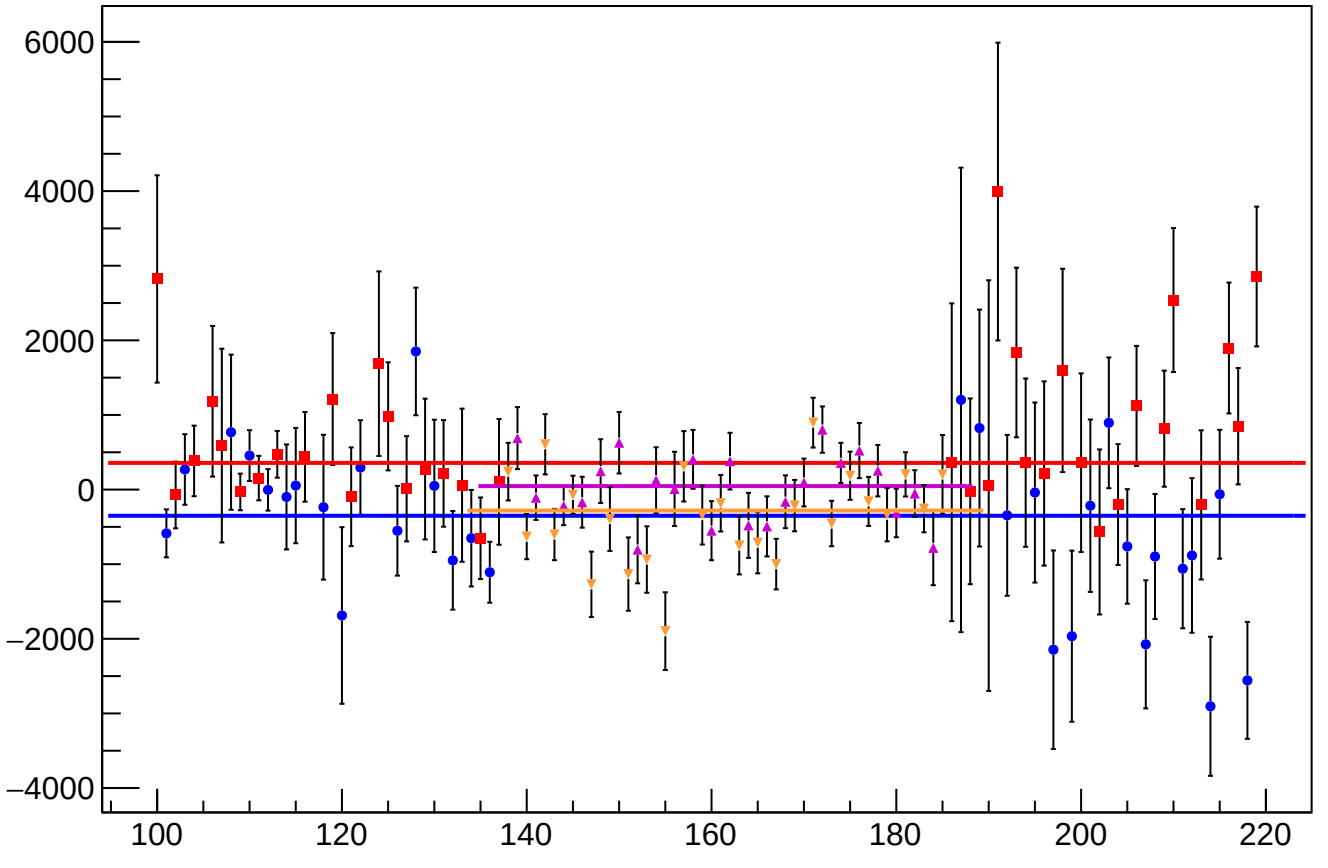
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

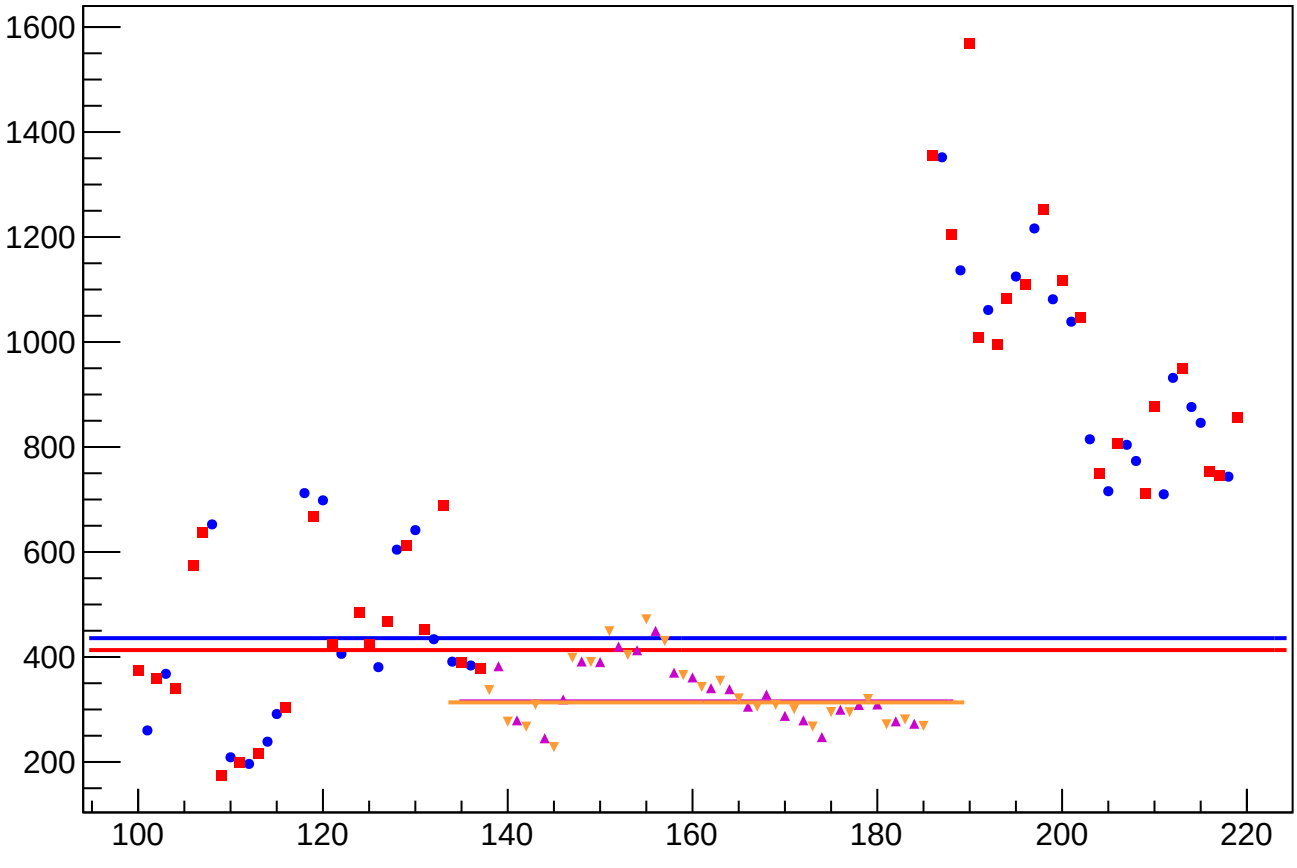
Right: 81.375+/-0.009 χ^2/NDF: 3636119.1/68

In: 76.717+/-0.009 χ^2/NDF:2218832.5/54

Out: 76.513+/-0.009 χ^2/NDF:3073143.9/61

All: 76.612+/-0.006 χ^2/NDF: 5292245.4/116


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: -351.020+/-113.854 χ²/NDF: 52.8/31
Left Out: -281.205+/-72.538 χ²/NDF:56.8/24
Right Out: 357.430+/-108.017 χ²/NDF: 39.5/36
Left In: 46.569+/-74.897 χ²/NDF:30.7/22
Left: -122.562+/-52.106 χ²/NDF: 97.4/47
Right: 21.828+/-78.362 χ²/NDF: 112.6/68
In: -73.520+/-62.572 χ²/NDF:92.0/54
Out: -82.715+/-60.219 χ²/NDF:120.4/61
All: -78.293+/-43.389 χ²/NDF: 212.4/116



Right In: 435.876+/-0.081 χ^2/NDF: 10817003.5/31

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 413.177+/-0.076 χ^2/NDF: 13387486.1/36

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

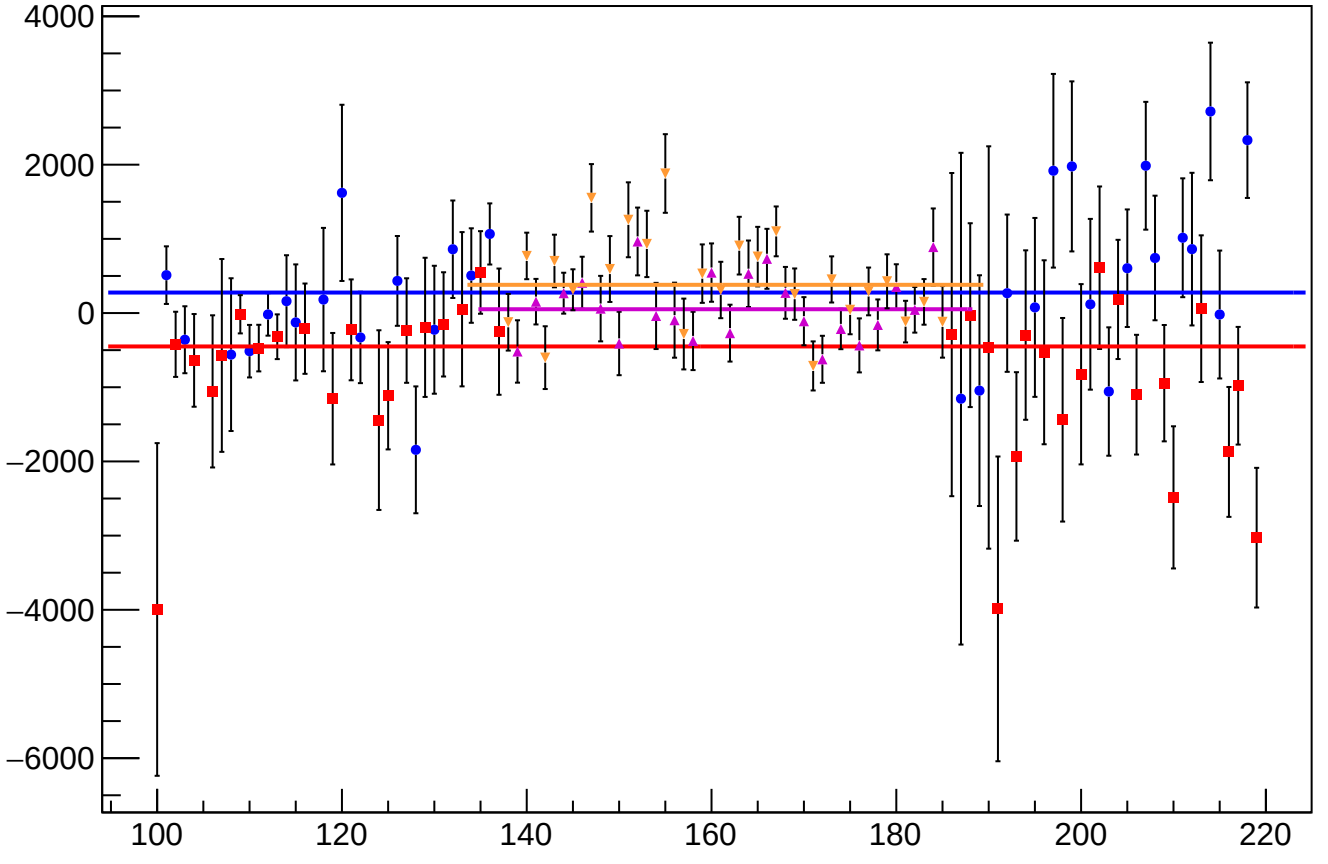
Right: 423.929+/-0.055 χ^2/NDF: 24246326.8/68

In: 351.827+/-0.044 χ^2/NDF:13387102.7/54

Out: 344.480+/-0.043 χ^2/NDF:15736767.7/61

All: 348.013+/-0.031 χ^2/NDF: 29138186.6/11

asym_sam7_mean vs Slug, Sign Corrected



Right In: 276.389+/-116.253 χ^2/NDF: 49.5/31

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -450.161+/-110.810 χ^2/NDF: 35.6/36

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

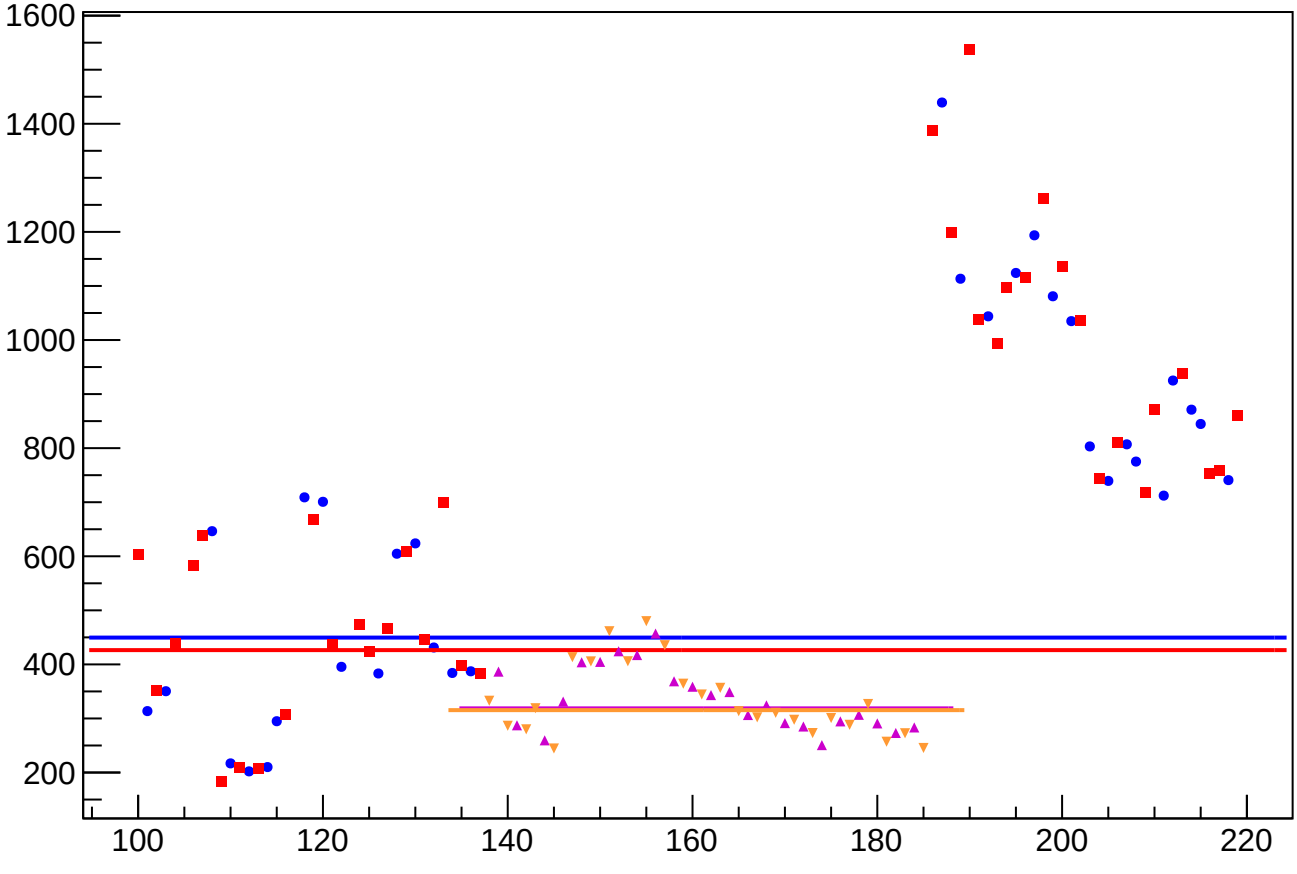
Right: -104.293+/-80.210 χ^2/NDF: 105.6/68

In: 118.357+/-63.395 χ^2/NDF:80.3/54

Out: 128.917+/-60.993 χ^2/NDF:130.2/61

All: 123.841+/-43.953 χ^2/NDF: 210.5/116

asym_sam7_rms vs Slug, Sign Corrected



Right In: 449.595+/-0.082 χ^2/NDF: 10214700.1/31

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 426.417+/-0.078 χ^2/NDF: 13007069.0/36

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

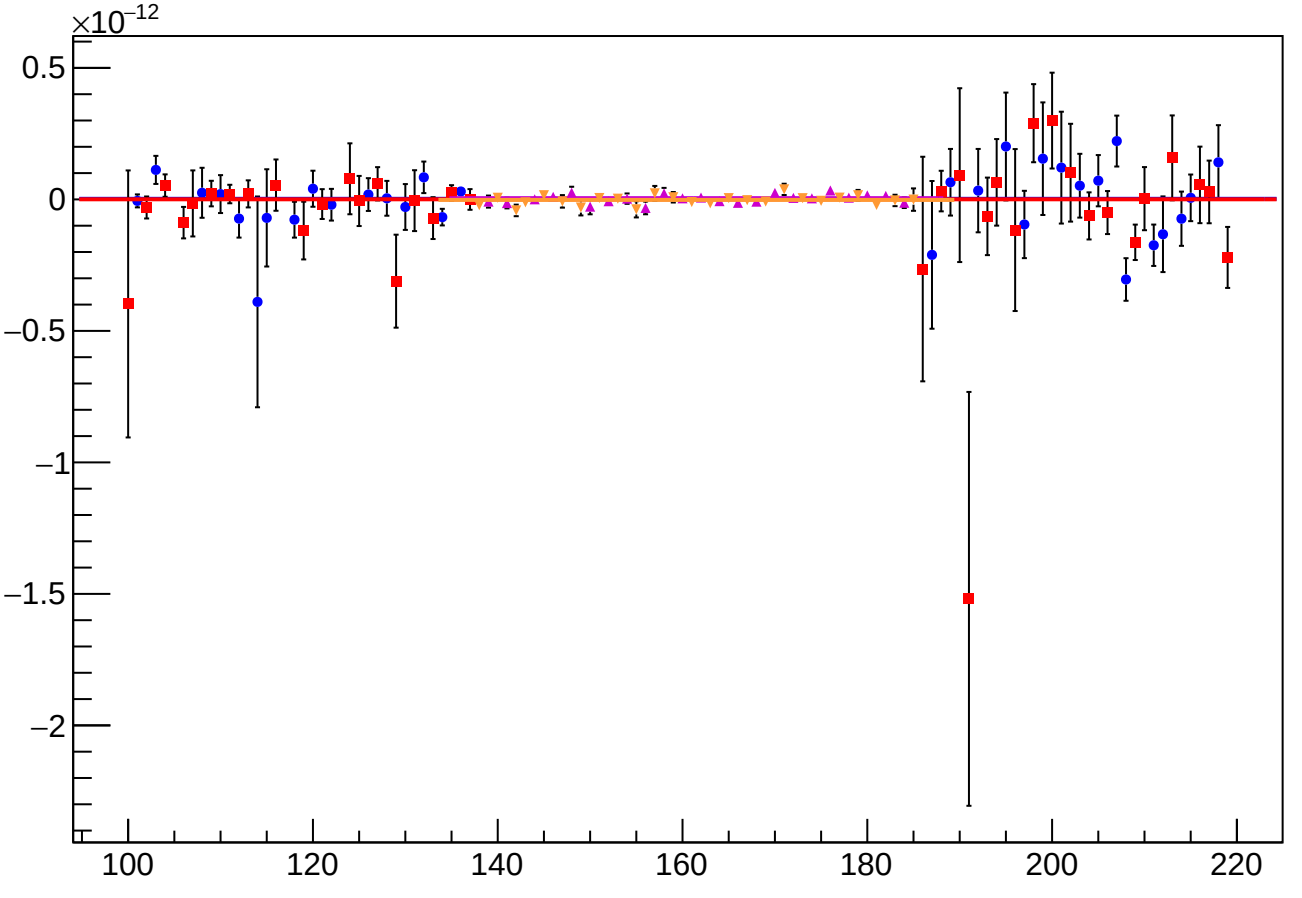
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 437.451+/-0.057 χ^2/NDF: 23263426.8/68

In: 357.616+/-0.045 χ^2/NDF:12988156.3/54

Out: 349.032+/-0.043 χ^2/NDF:15616530.7/61

All: 353.158+/-0.031 χ^2/NDF: 28623728.6/11



Right In: 0.000+/-0.000 χ^2/NDF: 48.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.2/36

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

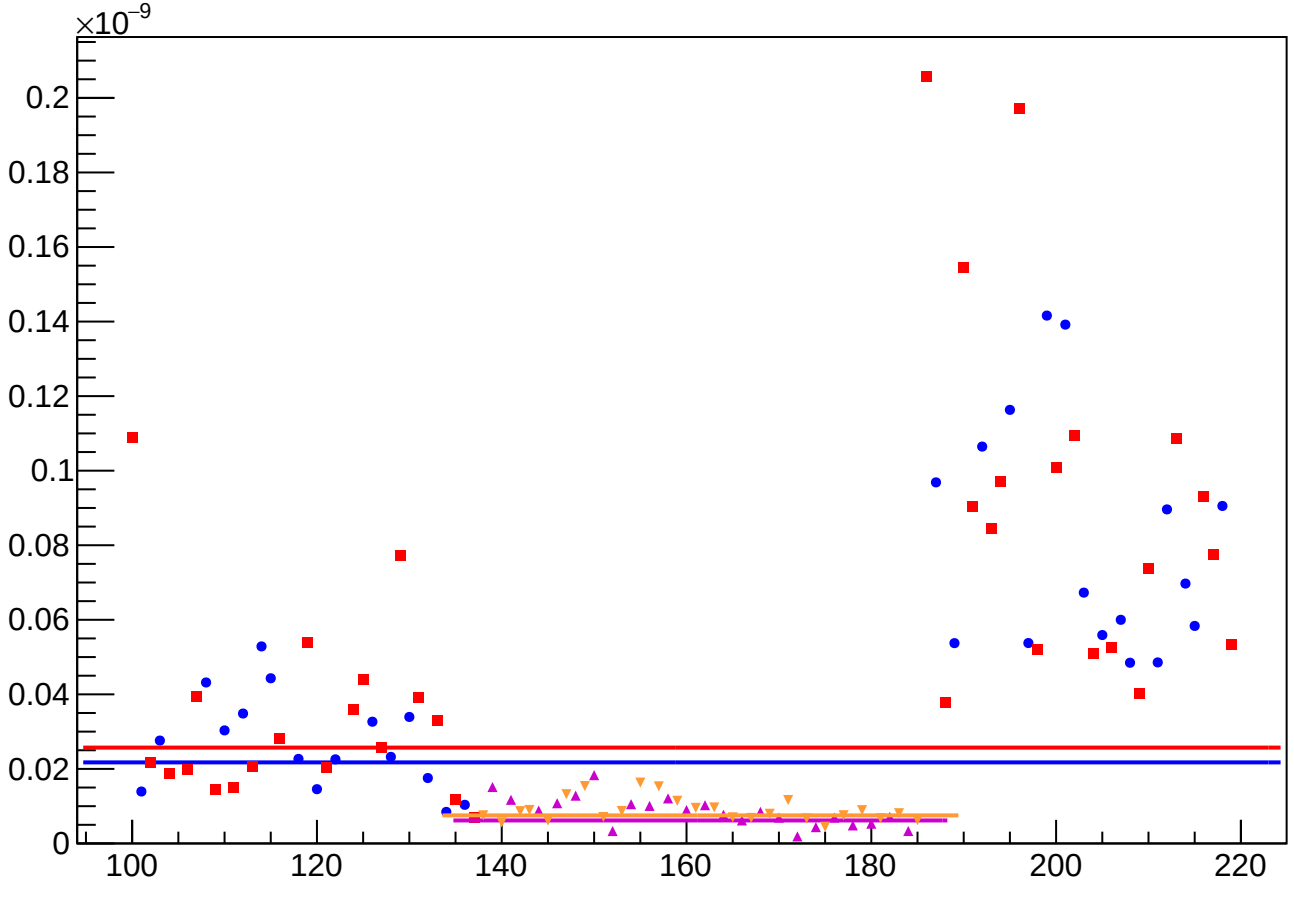
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 84.9/68

In: 0.000+/-0.000 χ^2/NDF:66.4/54

Out: -0.000+/-0.000 χ^2/NDF:55.2/61

All: 0.000+/-0.000 χ^2/NDF: 123.7/116



Right In: 0.000+/-0.000 χ^2/NDF: 7397861.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6926409.0/36

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

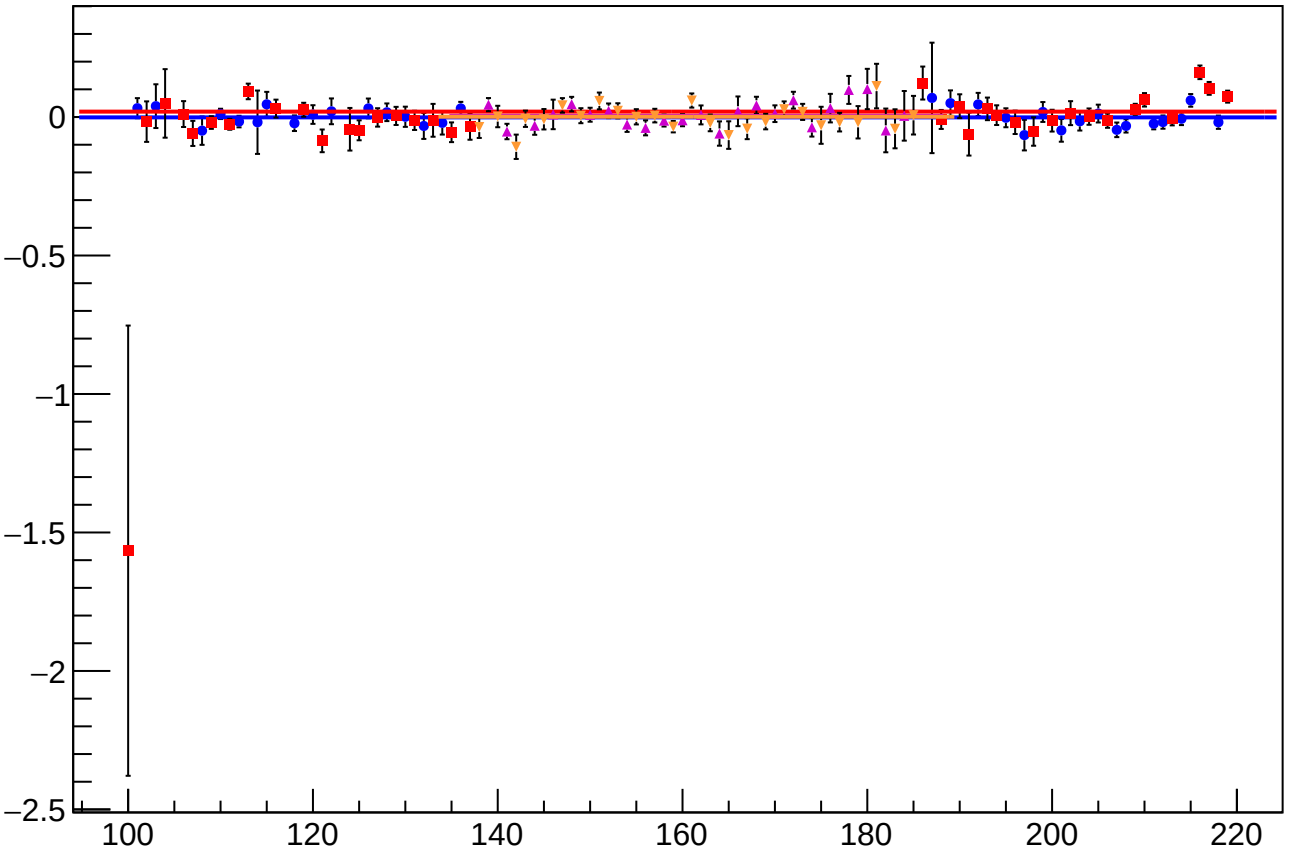
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14453796.3/68

In: 0.000+/-0.000 χ^2/NDF:14424101.3/54

Out: 0.000+/-0.000 χ^2/NDF:12591074.7/61

All: 0.000+/-0.000 χ^2/NDF: 27231788.8/116



Right In: -0.001+/-0.005 χ^2/NDF: 28.7/31

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.020+/-0.005 χ^2/NDF: 108.6/36

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

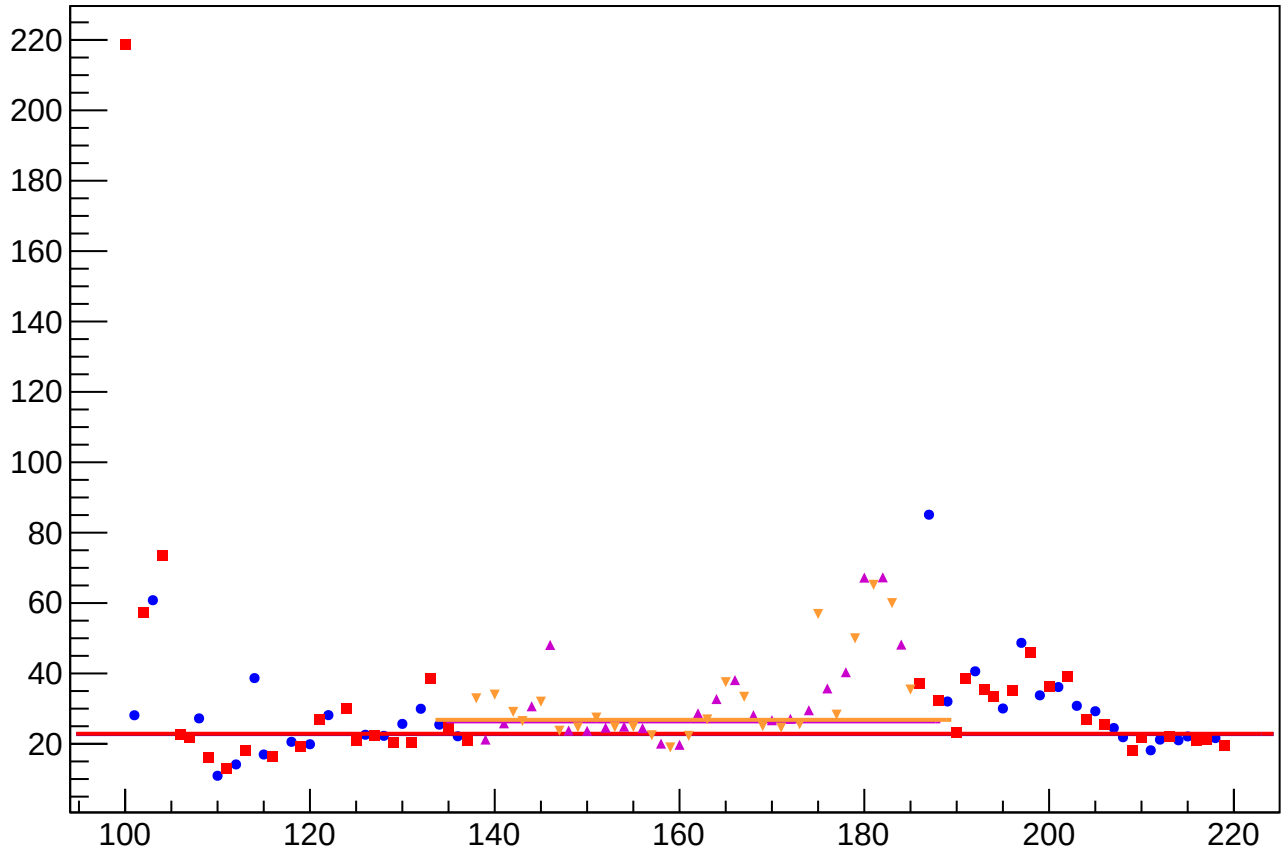
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.009+/-0.004 χ^2/NDF: 144.7/68

In: 0.001+/-0.004 χ^2/NDF:60.2/54

Out: 0.012+/-0.004 χ^2/NDF:143.7/61

All: 0.007+/-0.003 χ^2/NDF: 207.5/116



Right In: 22.770+/-0.004 χ^2/NDF: 3780627.0/31

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.864+/-0.004 χ^2/NDF: 4037630.5/36

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

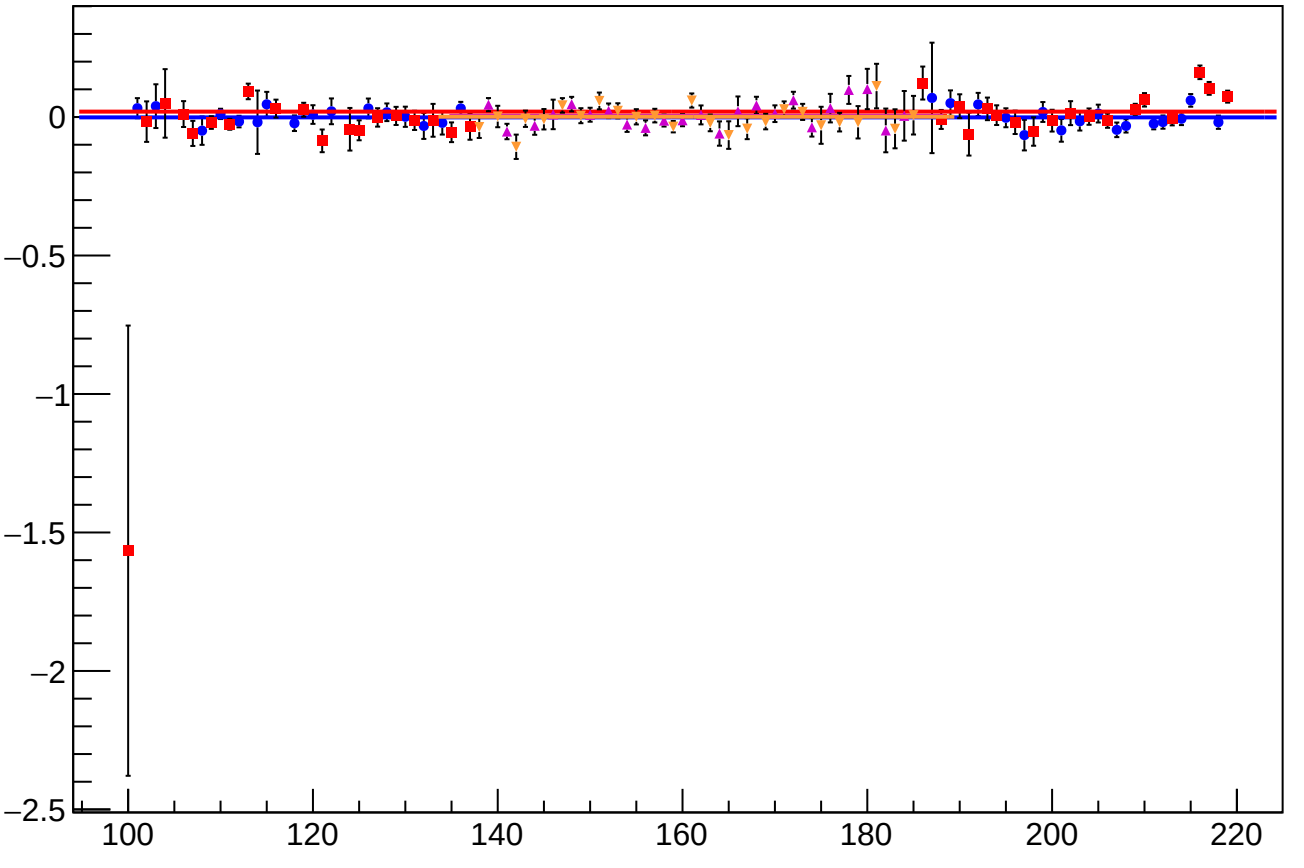
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 22.818+/-0.003 χ^2/NDF: 7818562.3/68

In: 24.239+/-0.003 χ^2/NDF:6700614.7/54

Out: 24.463+/-0.003 χ^2/NDF:6949629.5/61

All: 24.353+/-0.002 χ^2/NDF: 13653130.9/116



Right In: -0.001+/-0.005 χ^2/NDF: 28.7/31

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.020+/-0.005 χ^2/NDF: 108.6/36

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

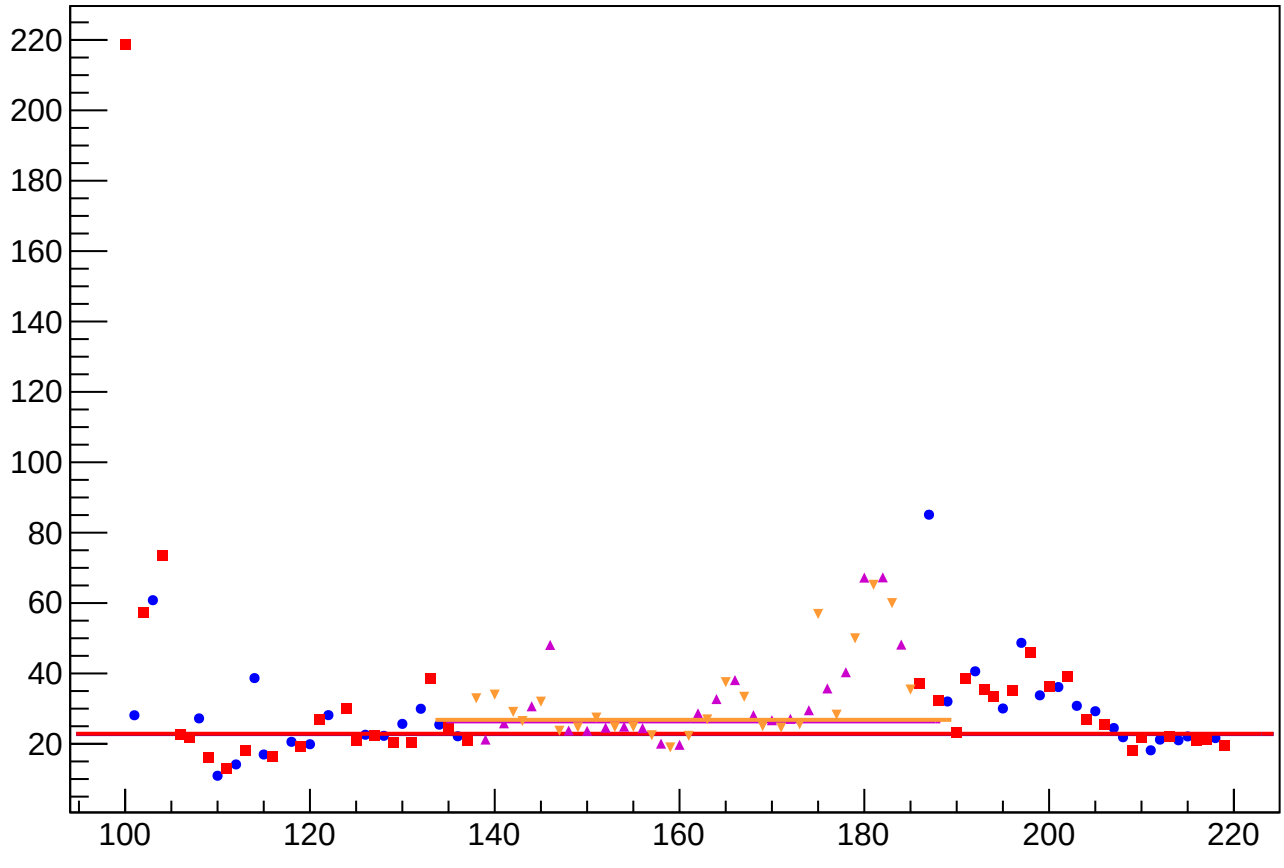
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.009+/-0.004 χ^2/NDF: 144.7/68

In: 0.001+/-0.004 χ^2/NDF:60.2/54

Out: 0.012+/-0.004 χ^2/NDF:143.7/61

All: 0.007+/-0.003 χ^2/NDF: 207.5/116



Right In: 22.770+/-0.004 χ^2/NDF: 3780627.0/31

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.864+/-0.004 χ^2/NDF: 4037630.5/36

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

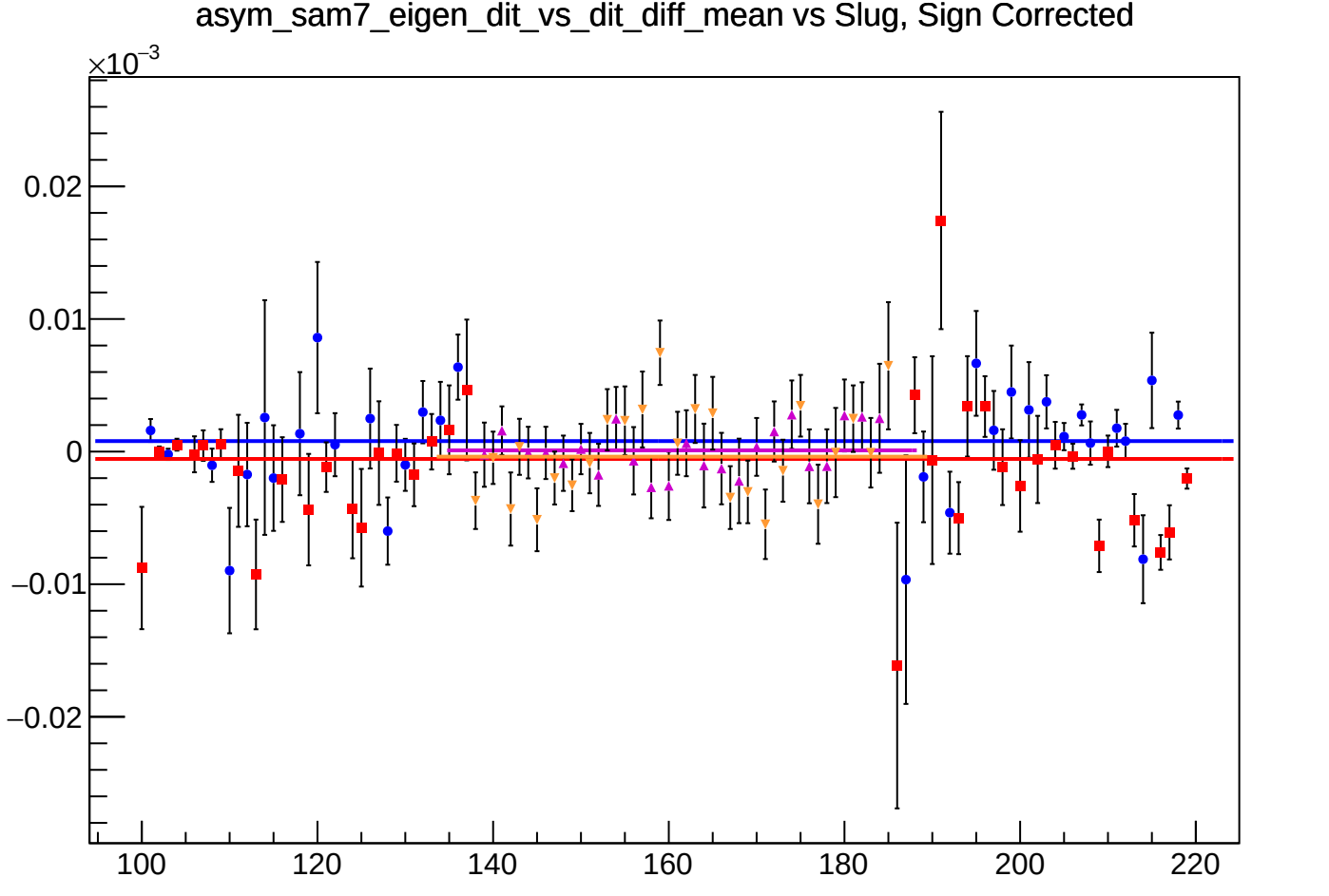
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

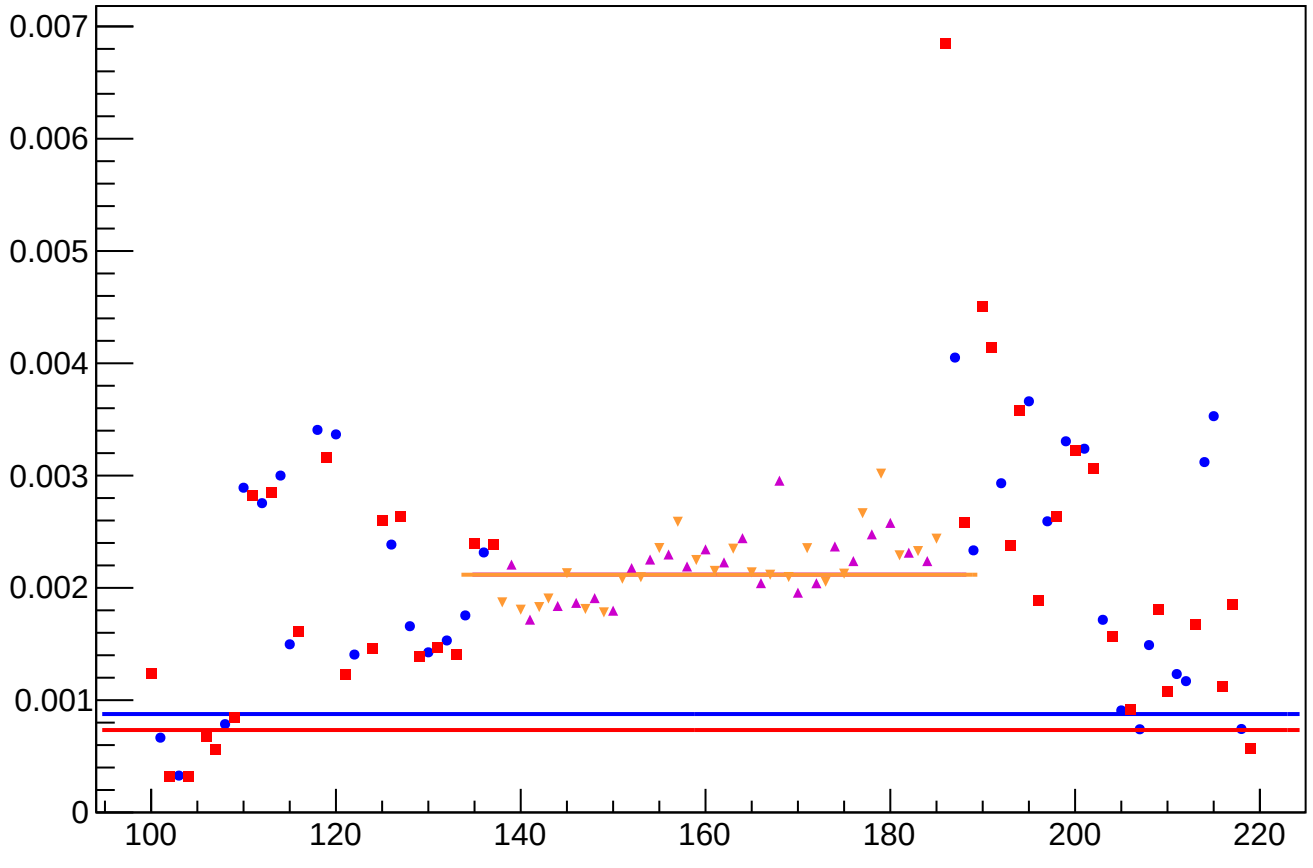
Right: 22.818+/-0.003 χ^2/NDF: 7818562.3/68

In: 24.239+/-0.003 χ^2/NDF:6700614.7/54

Out: 24.463+/-0.003 χ^2/NDF:6949629.5/61

All: 24.353+/-0.002 χ^2/NDF: 13653130.9/116


asym_sam7_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 60.5/31
Left Out: -0.000+/-0.000 χ²/NDF:43.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 96.7/36
Left In: 0.000+/-0.000 χ²/NDF:10.2/22
Left: -0.000+/-0.000 χ²/NDF: 53.8/47
Right: 0.000+/-0.000 χ²/NDF: 172.9/68
In: 0.000+/-0.000 χ²/NDF:72.2/54
Out: -0.000+/-0.000 χ²/NDF:139.9/61
All: -0.000+/-0.000 χ²/NDF: 226.9/116



Right In: 0.001+/-0.000 χ^2/NDF: 15188923.8/31

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 18186602.8/36

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

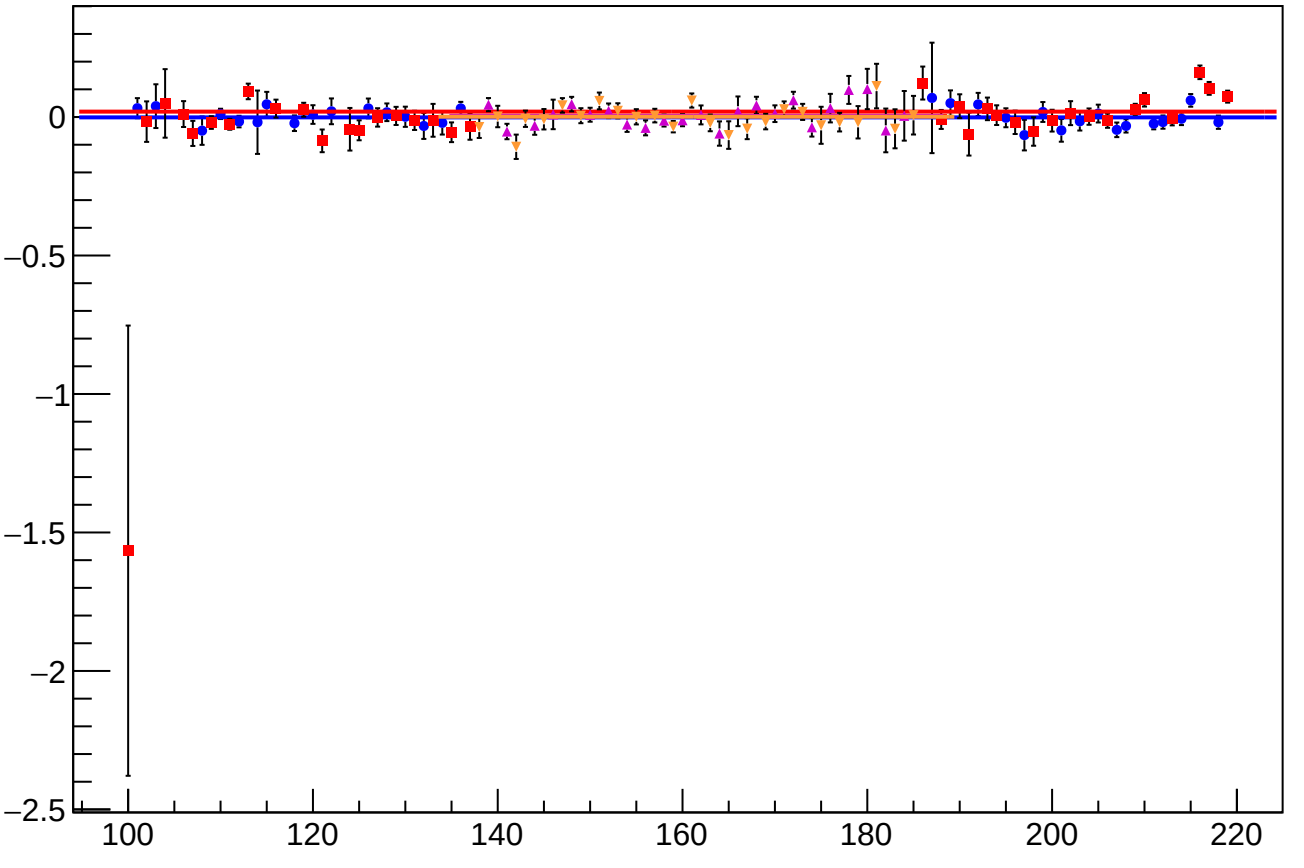
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 33728157.5/68

In: 0.001+/-0.000 χ^2/NDF:25503485.5/54

Out: 0.001+/-0.000 χ^2/NDF:32208902.2/61

All: 0.001+/-0.000 χ^2/NDF: 58343097.5/116



Right In: -0.001+/-0.005 χ^2/NDF: 28.7/31

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.020+/-0.005 χ^2/NDF: 108.6/36

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

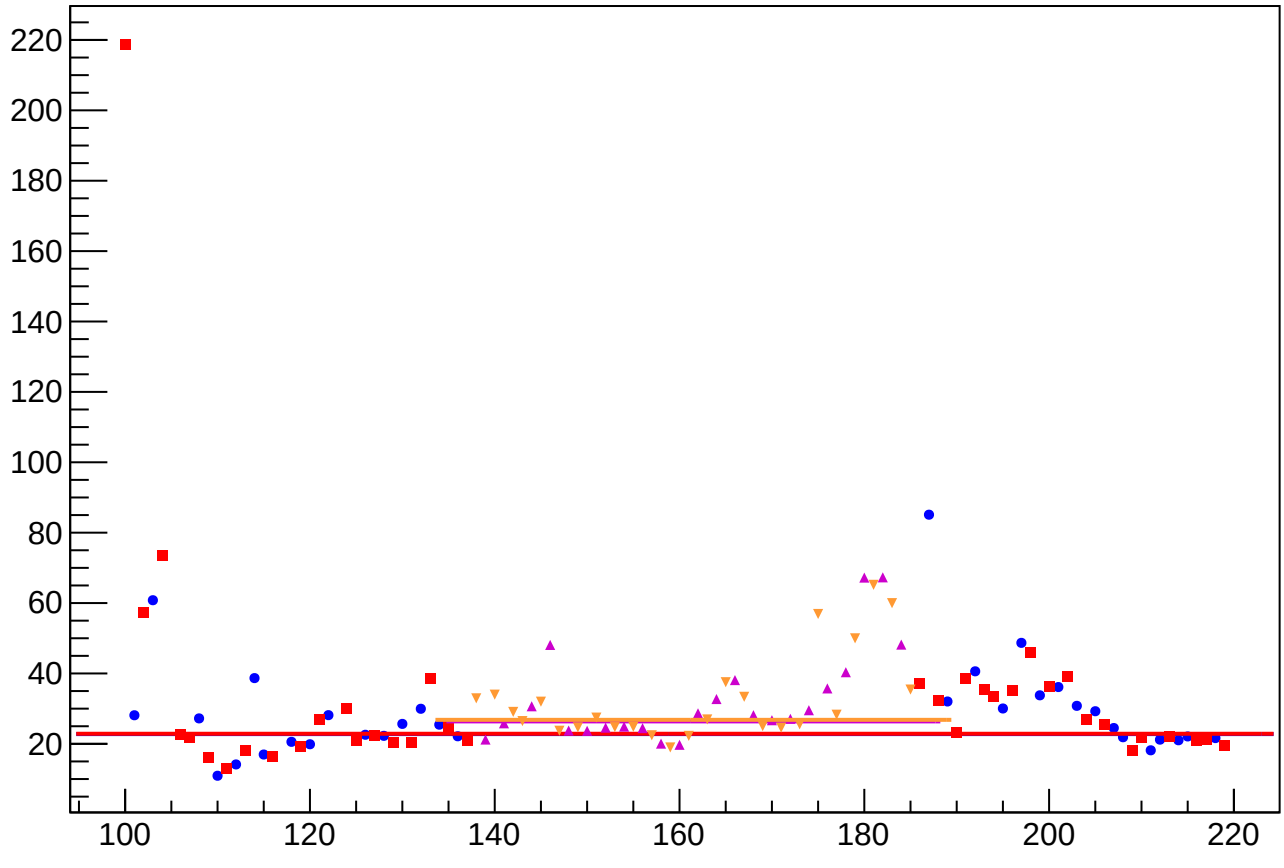
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.009+/-0.004 χ^2/NDF: 144.7/68

In: 0.001+/-0.004 χ^2/NDF:60.2/54

Out: 0.012+/-0.004 χ^2/NDF:143.7/61

All: 0.007+/-0.003 χ^2/NDF: 207.5/116



Right In: 22.770+/-0.004 χ^2/NDF: 3780355.7/31

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 22.864+/-0.004 χ^2/NDF: 4037450.7/36

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

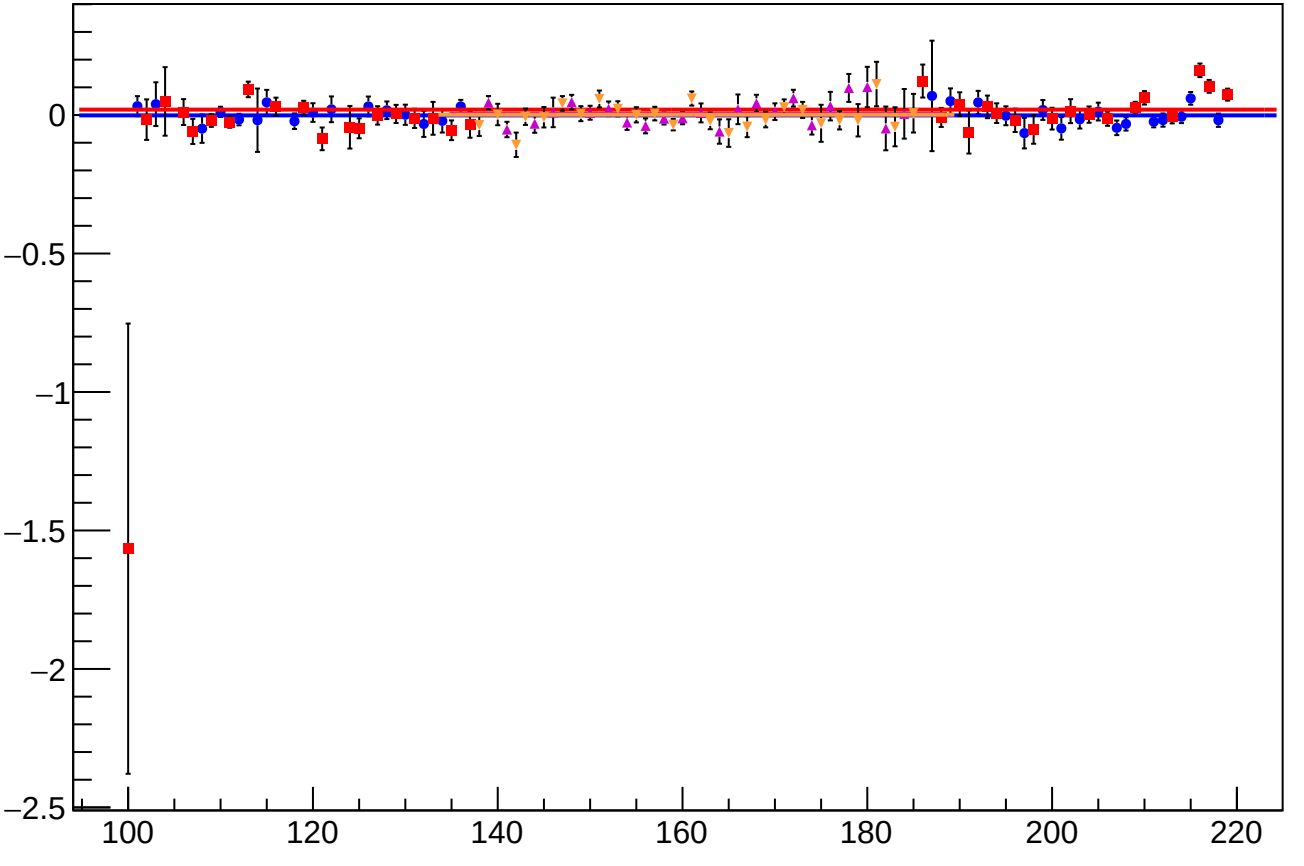
Right: 22.818+/-0.003 χ^2/NDF: 7818108.4/68

In: 24.239+/-0.003 χ^2/NDF:6700327.3/54

Out: 24.463+/-0.003 χ^2/NDF:6949501.0/61

All: 24.353+/-0.002 χ^2/NDF: 13652708.0/116

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.005 χ^2/NDF: 28.7/31

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.020+/-0.005 χ^2/NDF: 108.6/36

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

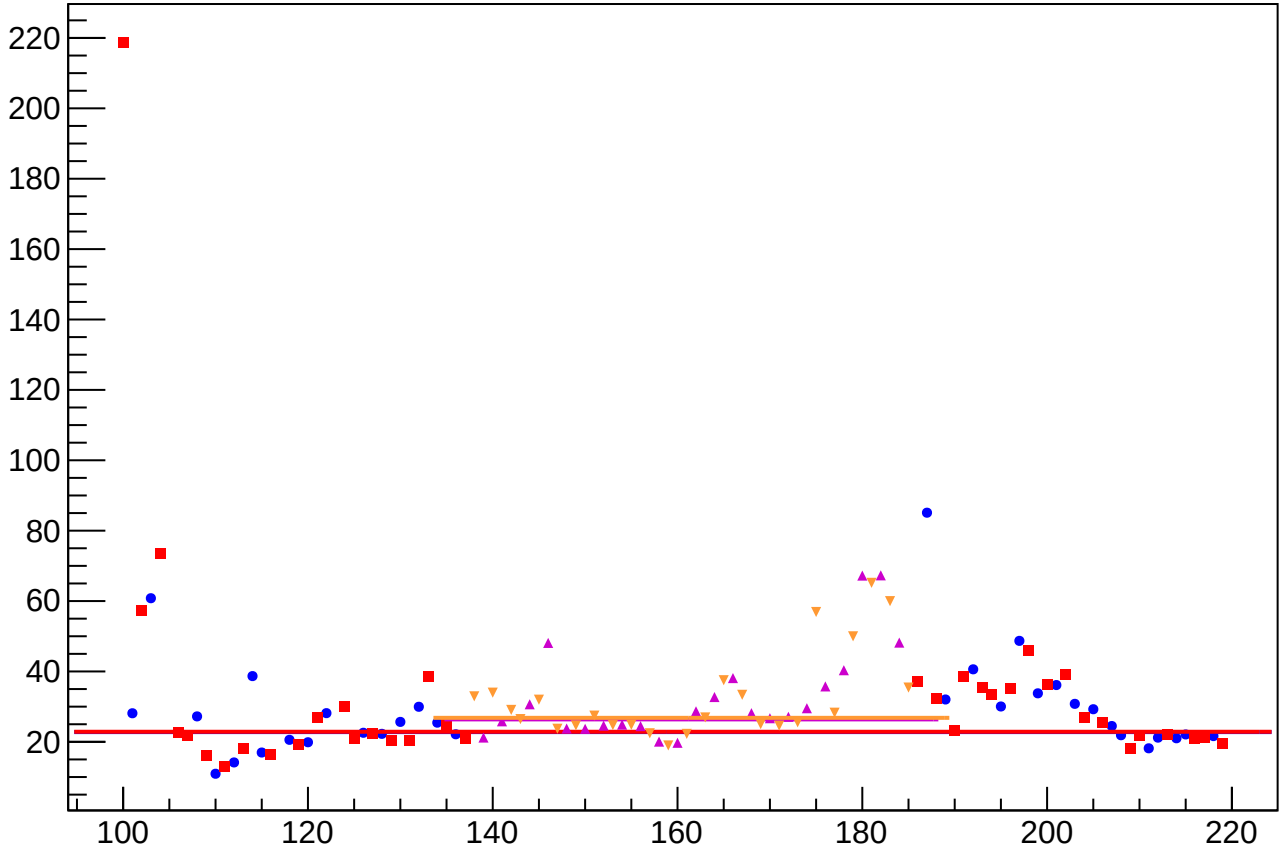
Right: 0.009+/-0.004 χ^2/NDF: 144.7/68

In: 0.001+/-0.004 χ^2/NDF:60.2/54

Out: 0.012+/-0.004 χ^2/NDF:143.7/61

All: 0.007+/-0.003 χ^2/NDF: 207.5/116

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.770+/-0.004 χ^2/NDF: 3780355.7/31

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 22.864+/-0.004 χ^2/NDF: 4037450.7/36

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

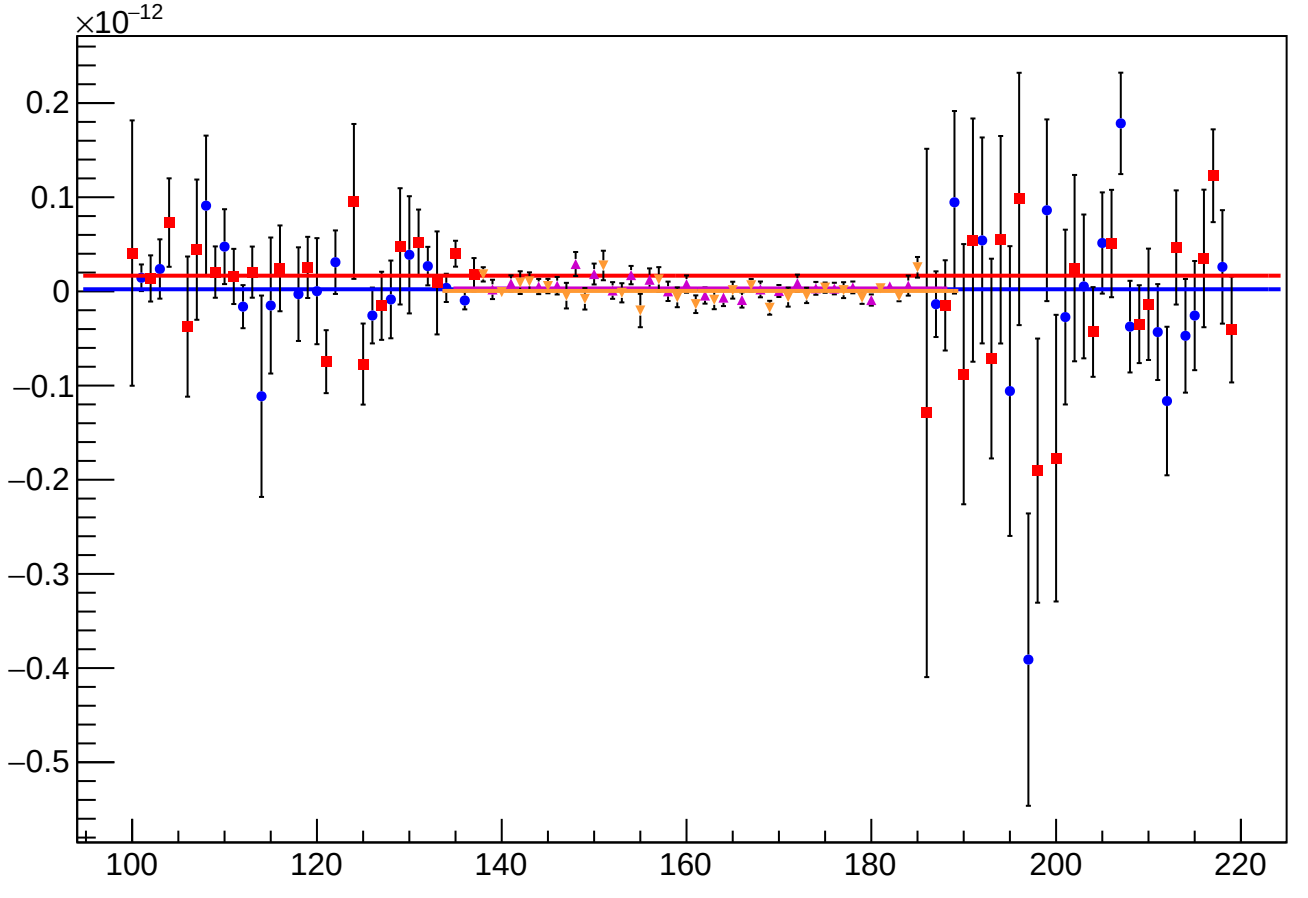
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 22.818+/-0.003 χ^2/NDF: 7818108.4/68

In: 24.239+/-0.003 χ^2/NDF:6700327.3/54

Out: 24.463+/-0.003 χ^2/NDF:6949501.0/61

All: 24.353+/-0.002 χ^2/NDF: 13652708.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 36.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.5/36

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

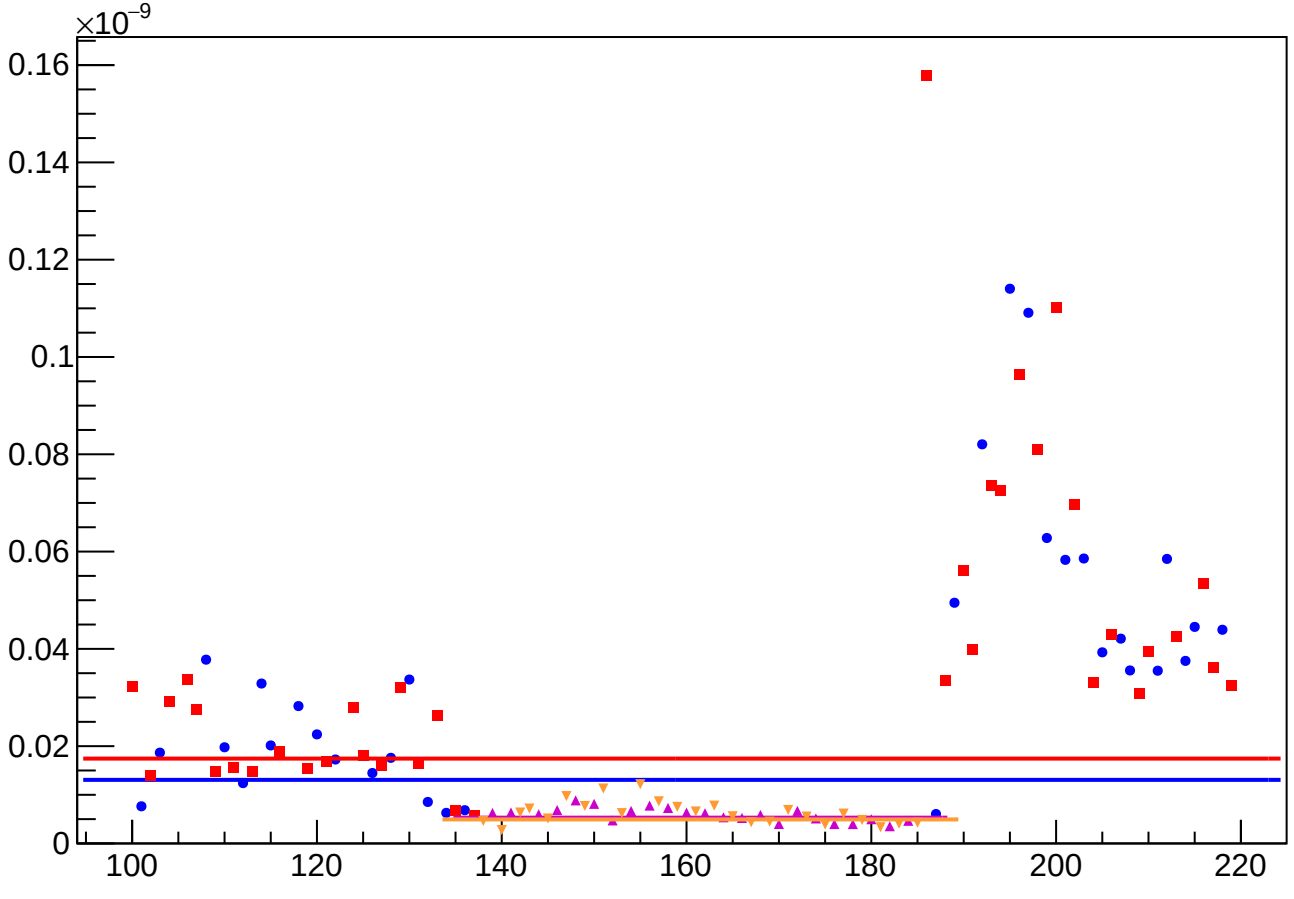
Right: 0.000+/-0.000 χ^2/NDF: 75.7/68

In: 0.000+/-0.000 χ^2/NDF:55.4/54

Out: 0.000+/-0.000 χ^2/NDF:75.0/61

All: 0.000+/-0.000 χ^2/NDF: 130.9/116

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11103449.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9438686.9/36

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

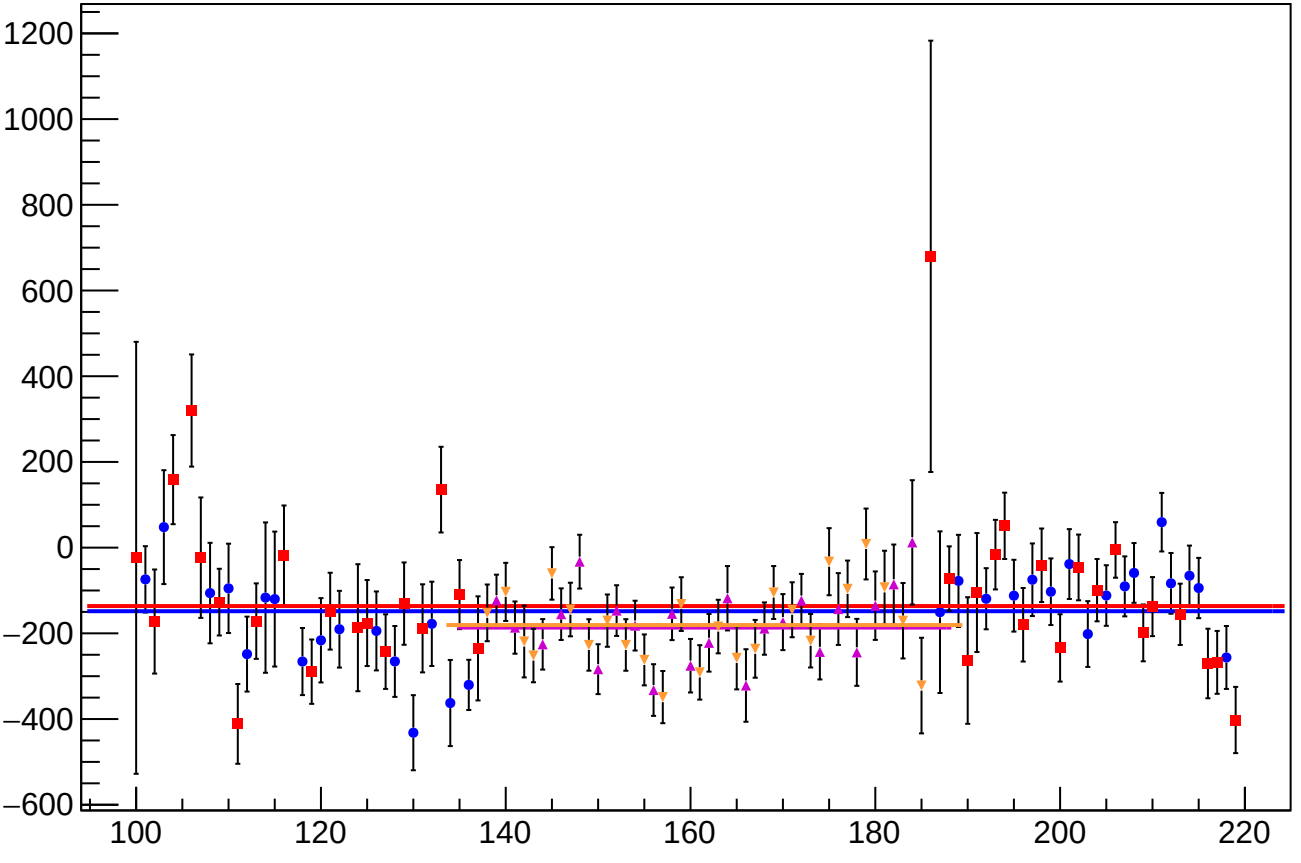
Right: 0.000+/-0.000 χ^2/NDF: 21081915.8/68

In: 0.000+/-0.000 χ^2/NDF:16166087.7/54

Out: 0.000+/-0.000 χ^2/NDF:19235295.8/61

All: 0.000+/-0.000 χ^2/NDF: 35452811.7/116

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -148.349+/-14.806 χ^2/NDF: 54.8/31

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -136.354+/-14.702 χ^2/NDF: 84.9/36

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

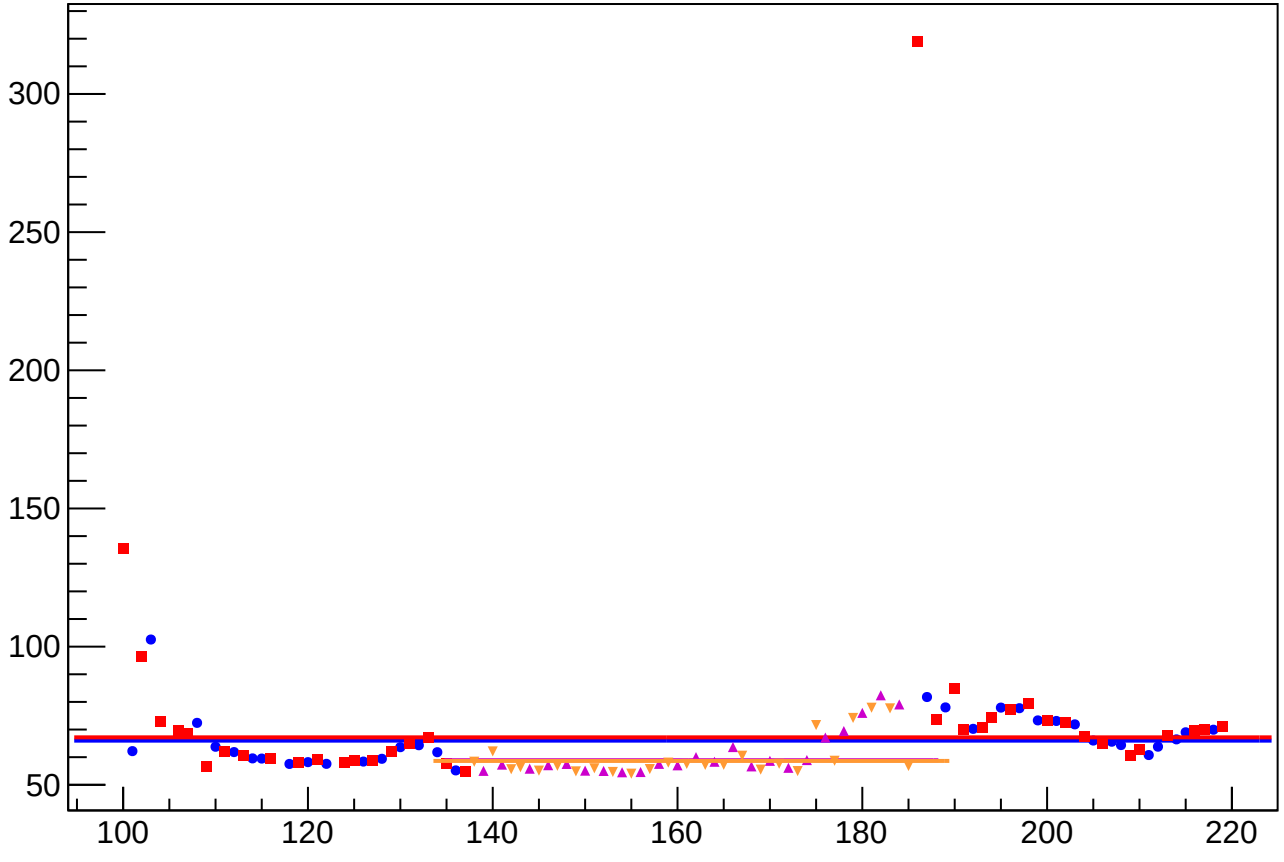
Right: -142.309+/-10.433 χ^2/NDF: 140.1/68

In: -168.718+/-10.118 χ^2/NDF:87.3/54

Out: -160.539+/-9.911 χ^2/NDF:128.5/61

All: -164.544+/-7.080 χ^2/NDF: 216.2/116

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.988+/-0.010 χ^2/NDF: 520753.2/31

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.175+/-0.010 χ^2/NDF: 1058576.1/36

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

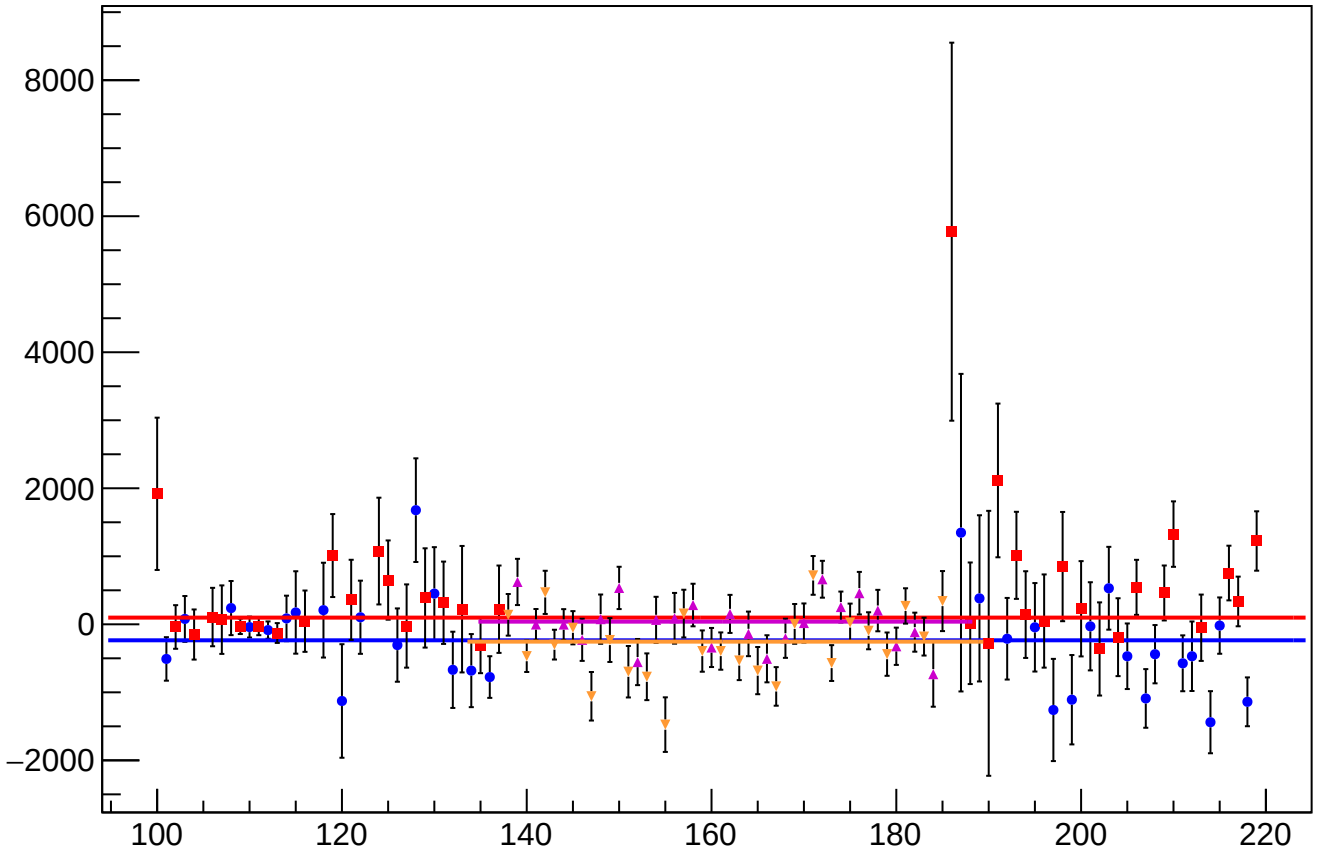
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.585+/-0.007 χ^2/NDF: 1585798.8/68

In: 62.214+/-0.007 χ^2/NDF:1151429.7/54

Out: 62.521+/-0.007 χ^2/NDF:1819789.9/61

All: 62.370+/-0.005 χ^2/NDF: 2972159.4/116



Right In: -235.124+/-65.852 χ^2/NDF: 46.0/31

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 98.432+/-57.488 χ^2/NDF: 43.7/36

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

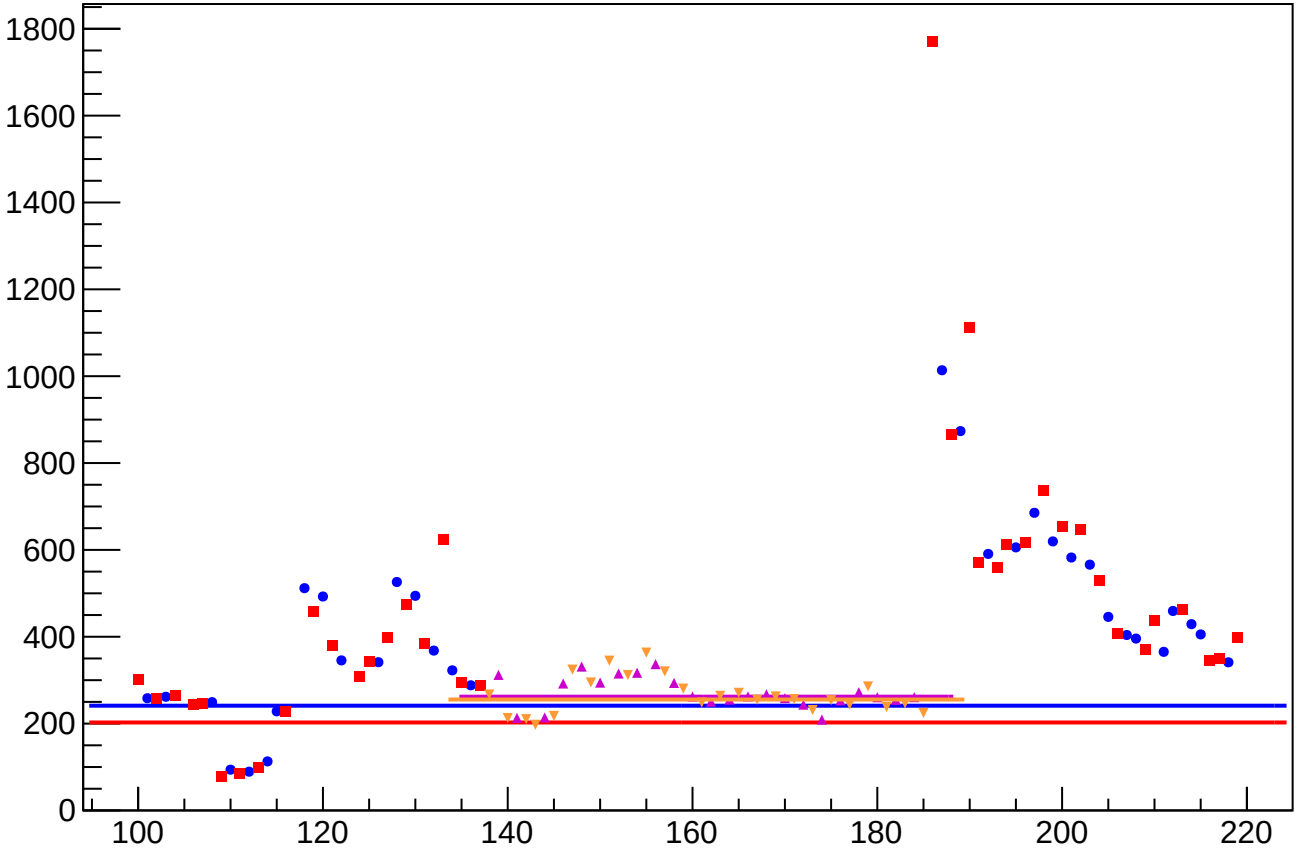
Right: -45.831+/-43.307 χ^2/NDF: 104.3/68

In: -89.475+/-45.096 χ^2/NDF:83.6/54

Out: -73.886+/-41.132 χ^2/NDF:119.7/61

All: -80.965+/-30.390 χ^2/NDF: 203.4/116

asym_sam8_reg_correction_rms vs Slug, Sign Corrected



Right In: 241.229+/-0.047 χ^2/NDF: 13180667.6/31

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 202.574+/-0.041 χ^2/NDF: 17750476.9/36

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

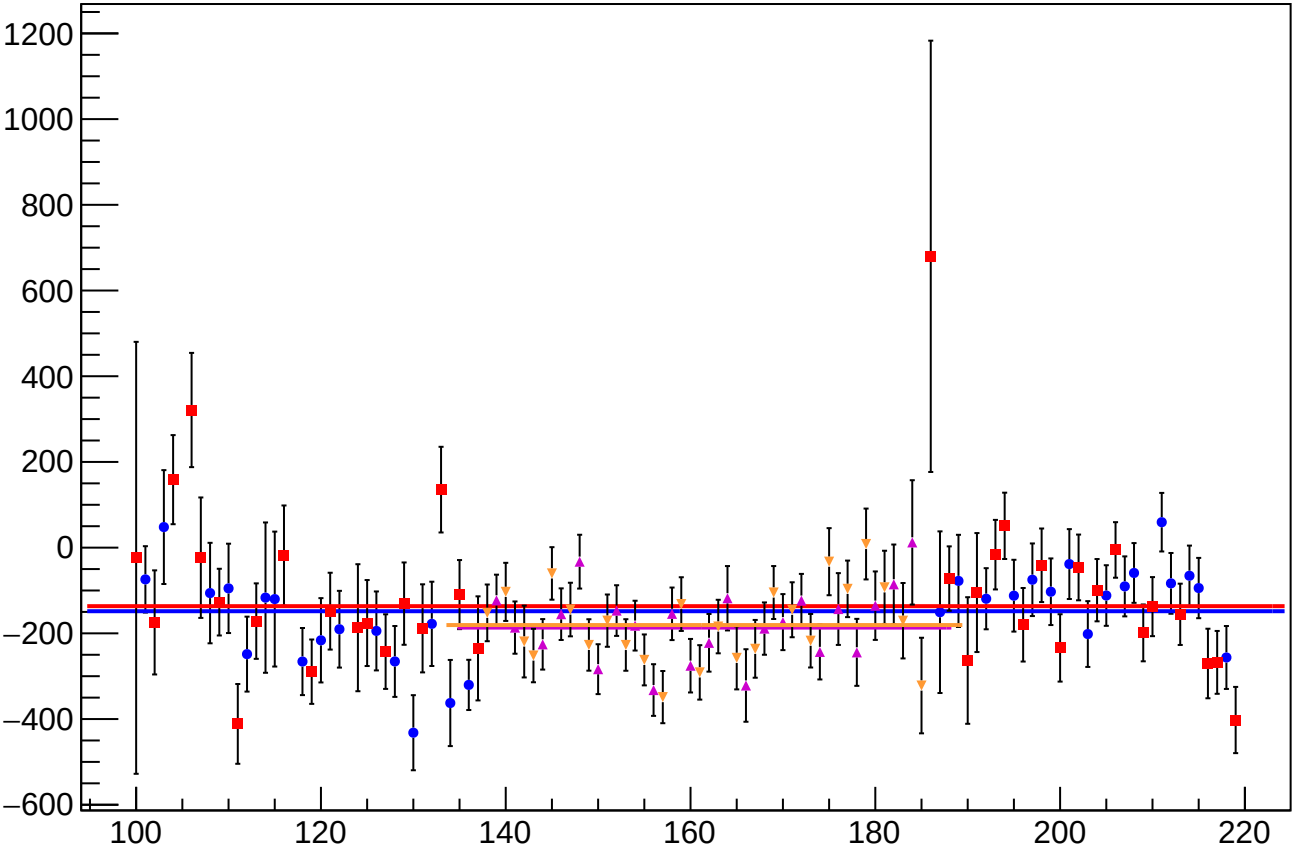
Right: 219.292+/-0.031 χ^2/NDF: 31322230.3/68

In: 252.263+/-0.032 χ^2/NDF:13956981.6/54

Out: 228.391+/-0.029 χ^2/NDF:19440743.5/61

All: 239.232+/-0.021 χ^2/NDF: 33703668.5/11

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -148.350+/-14.806 χ^2/NDF: 54.8/31

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -136.577+/-14.706 χ^2/NDF: 84.6/36

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

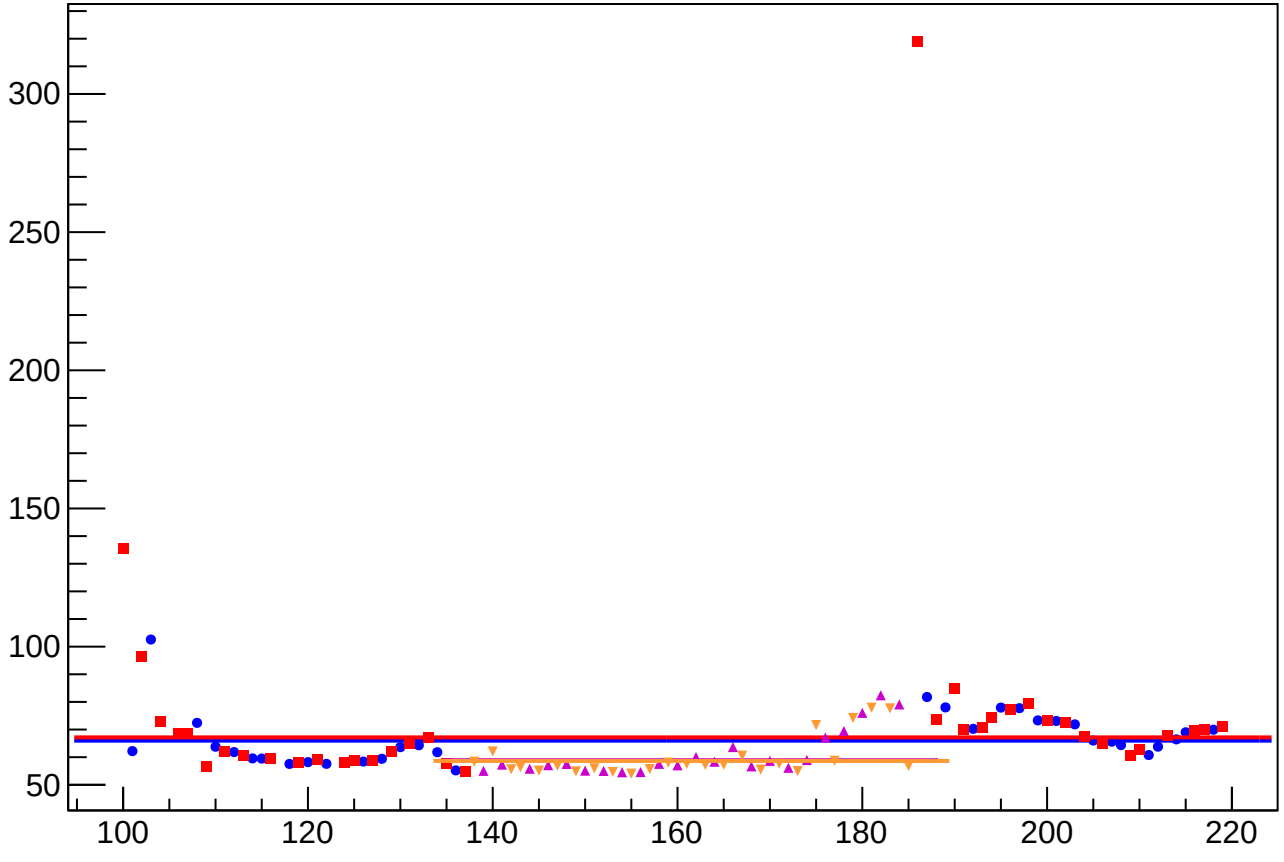
Right: -142.424+/-10.434 χ^2/NDF: 139.7/68

In: -168.719+/-10.118 χ^2/NDF:87.4/54

Out: -160.643+/-9.912 χ^2/NDF:128.1/61

All: -164.598+/-7.081 χ^2/NDF: 215.8/116

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.988+/-0.010 χ^2/NDF: 520755.6/31

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.159+/-0.010 χ^2/NDF: 1058249.9/36

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

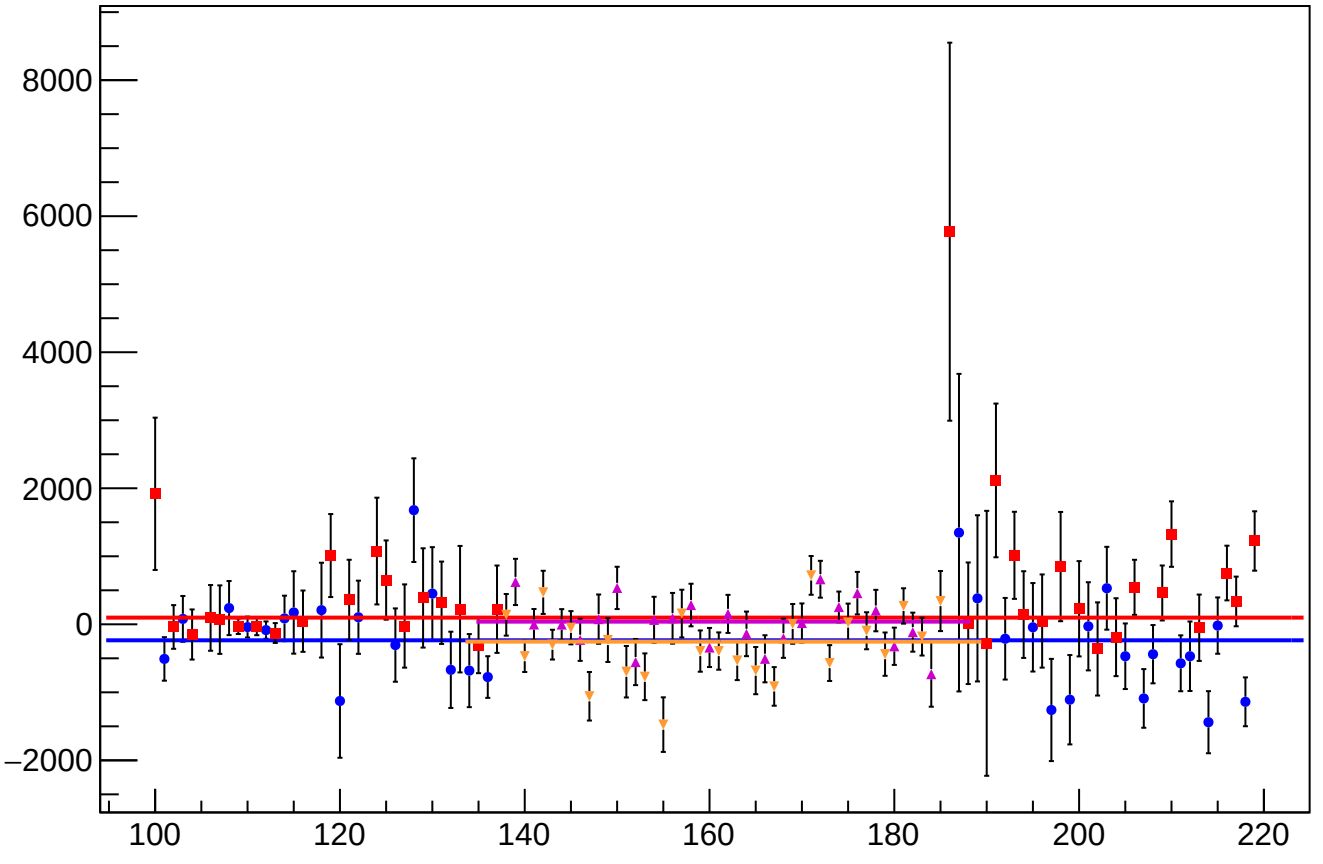
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.578+/-0.007 χ^2/NDF: 1585309.7/68

In: 62.214+/-0.007 χ^2/NDF:1151432.2/54

Out: 62.513+/-0.007 χ^2/NDF:1818070.4/61

All: 62.366+/-0.005 χ^2/NDF: 2970394.8/116



Right In: -235.113+/-65.852 χ^2/NDF: 46.0/31

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 98.246+/-57.599 χ^2/NDF: 43.7/36

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

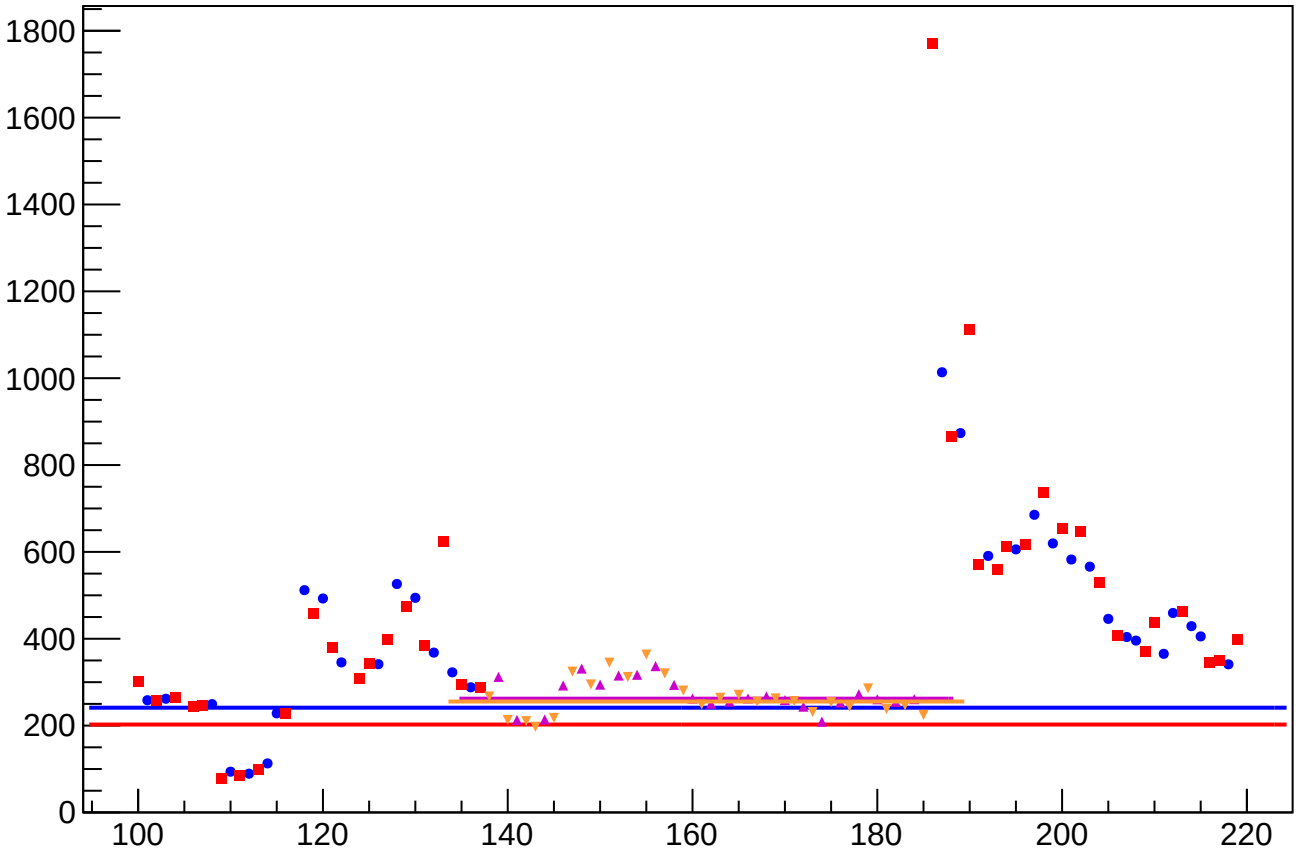
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -46.246+/-43.355 χ^2/NDF: 104.2/68

In: -89.470+/-45.096 χ^2/NDF:83.6/54

Out: -74.319+/-41.173 χ^2/NDF:119.7/61

All: -81.207+/-30.406 χ^2/NDF: 203.3/116



Right In: 241.230+/-0.047 χ^2/NDF: 13180686.8/31

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 202.422+/-0.041 χ^2/NDF: 17747219.0/36

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

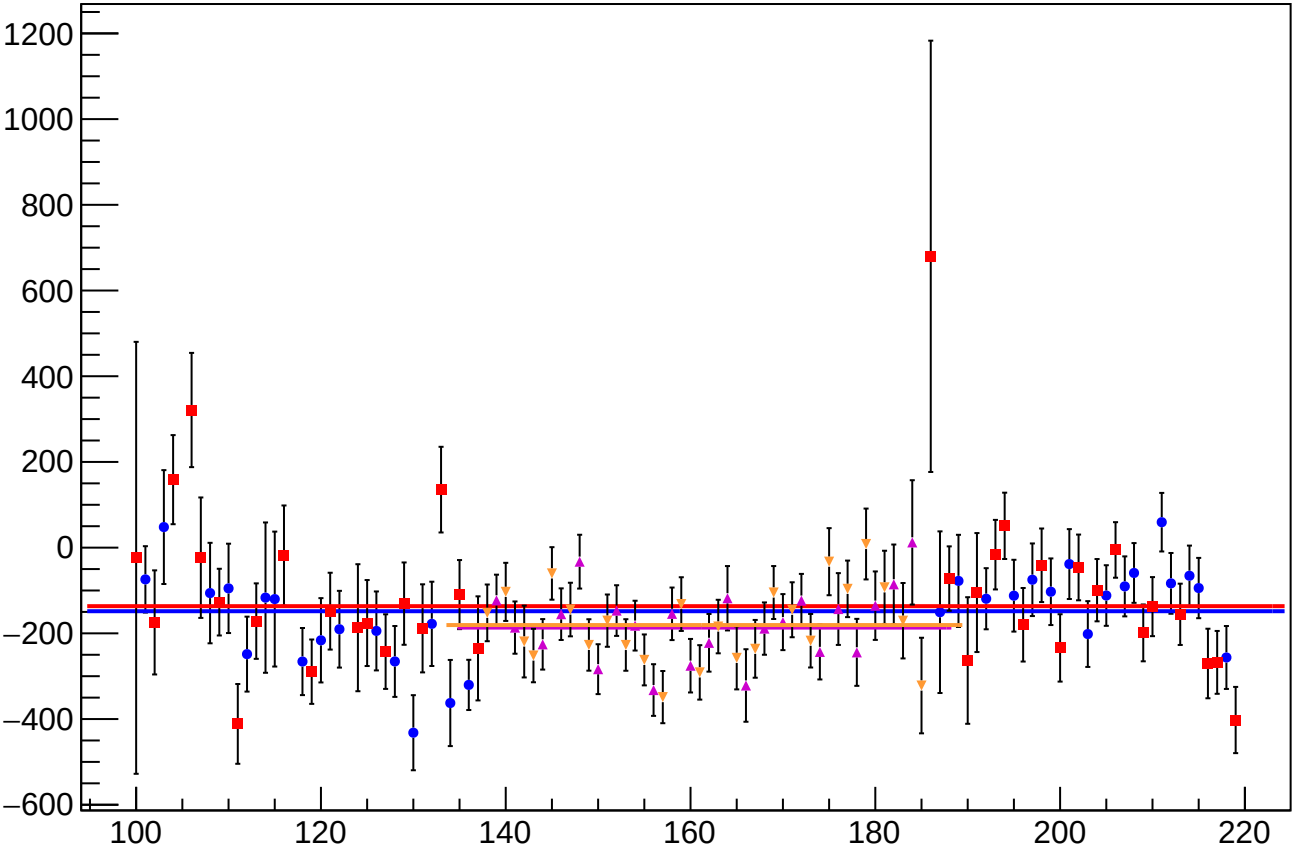
Right: 219.243+/-0.031 χ^2/NDF: 31321439.7/68

In: 252.264+/-0.032 χ^2/NDF:13956991.2/54

Out: 228.364+/-0.029 χ^2/NDF:19440691.3/61

All: 239.229+/-0.022 χ^2/NDF: 33704057.9/11

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -148.350+/-14.806 χ^2/NDF: 54.8/31

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -136.577+/-14.706 χ^2/NDF: 84.6/36

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

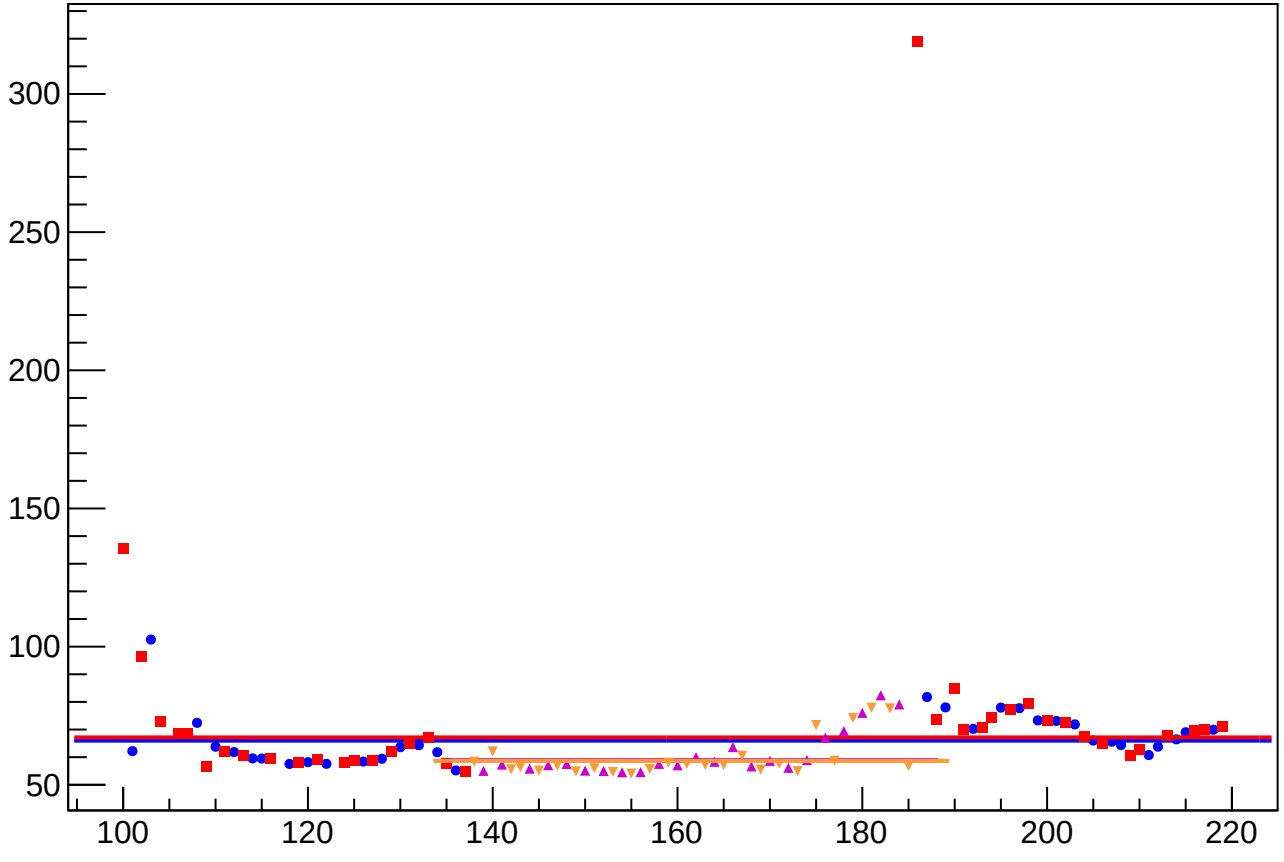
Right: -142.424+/-10.434 χ^2/NDF: 139.7/68

In: -168.719+/-10.118 χ^2/NDF:87.4/54

Out: -160.643+/-9.912 χ^2/NDF:128.1/61

All: -164.598+/-7.081 χ^2/NDF: 215.8/116

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.988+/-0.010 χ^2/NDF: 520755.6/31

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.159+/-0.010 χ^2/NDF: 1058249.9/36

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

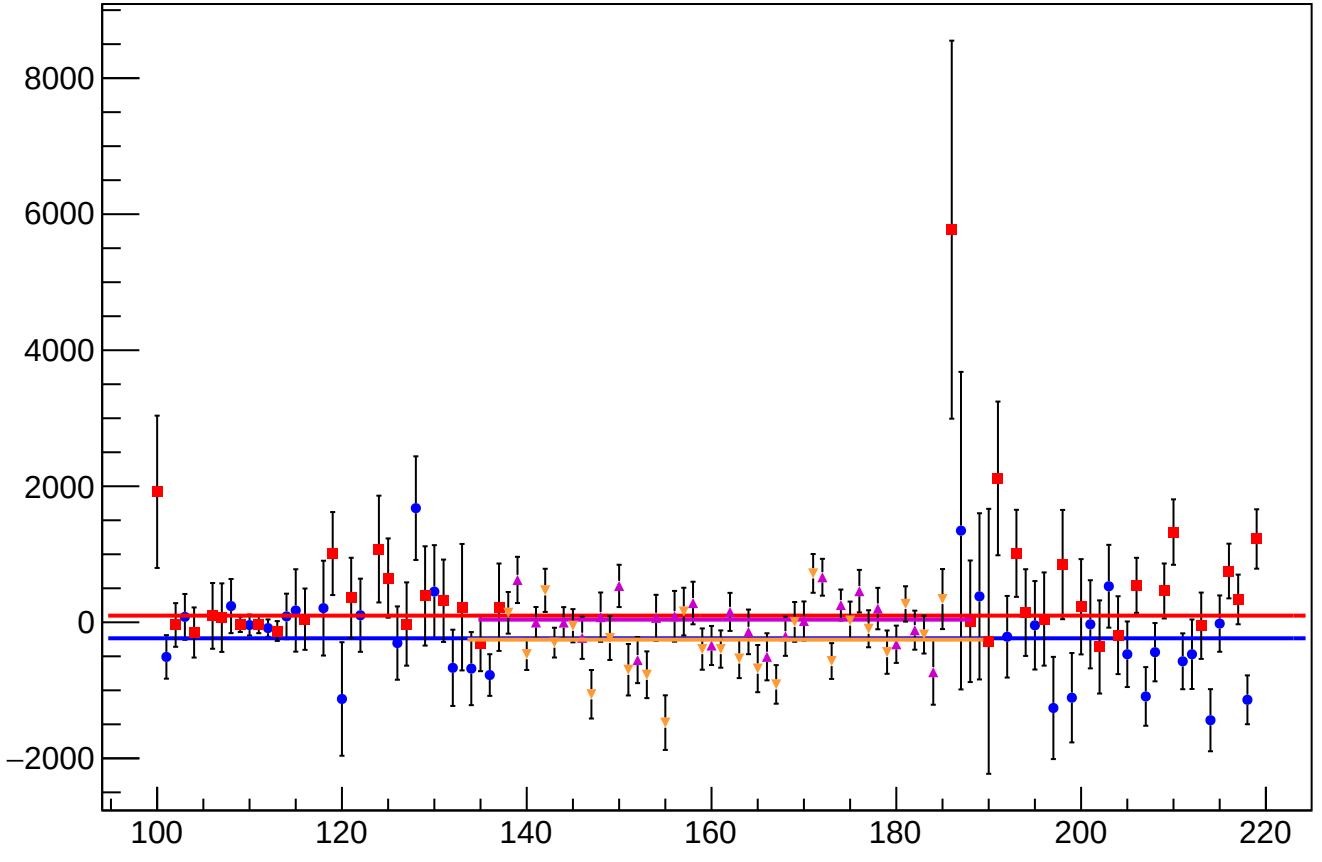
Right: 66.578+/-0.007 χ^2/NDF: 1585309.7/68

In: 62.214+/-0.007 χ^2/NDF:1151432.2/54

Out: 62.513+/-0.007 χ^2/NDF:1818070.4/61

All: 62.366+/-0.005 χ^2/NDF: 2970394.8/116

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -235.113+/-65.852 χ^2/NDF: 46.0/31

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 98.246+/-57.599 χ^2/NDF: 43.7/36

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

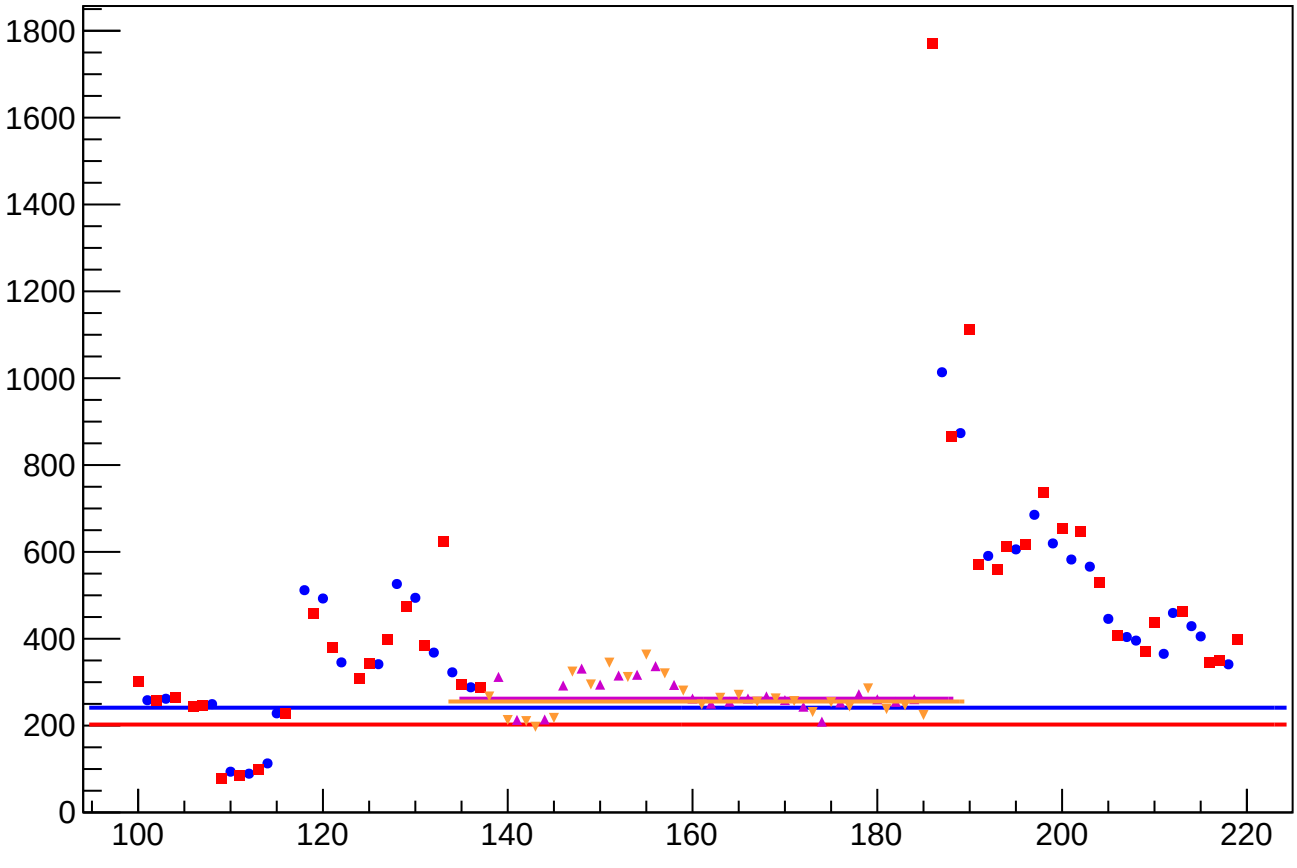
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -46.246+/-43.355 χ^2/NDF: 104.2/68

In: -89.470+/-45.096 χ^2/NDF:83.6/54

Out: -74.319+/-41.173 χ^2/NDF:119.7/61

All: -81.207+/-30.406 χ^2/NDF: 203.3/116



Right In: 241.230+/-0.047 χ^2/NDF: 13180686.8/31

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 202.422+/-0.041 χ^2/NDF: 17747219.0/36

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

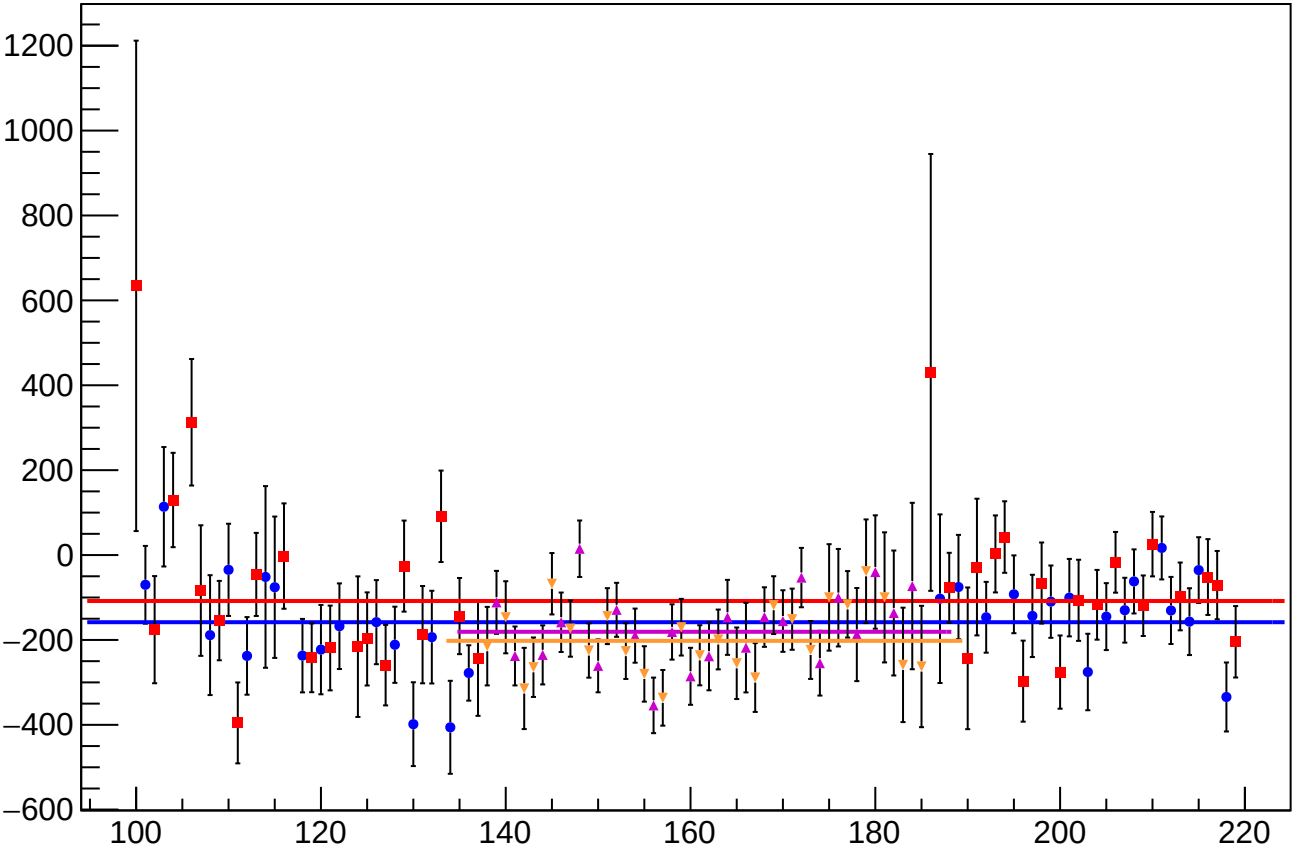
Right: 219.243+/-0.031 χ^2/NDF: 31321439.7/68

In: 252.264+/-0.032 χ^2/NDF:13956991.2/54

Out: 228.364+/-0.029 χ^2/NDF:19440691.3/61

All: 239.229+/-0.022 χ^2/NDF: 33704057.9/11

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -158.209+/-16.428 χ^2/NDF: 41.5/31

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -108.222+/-16.261 χ^2/NDF: 59.7/36

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

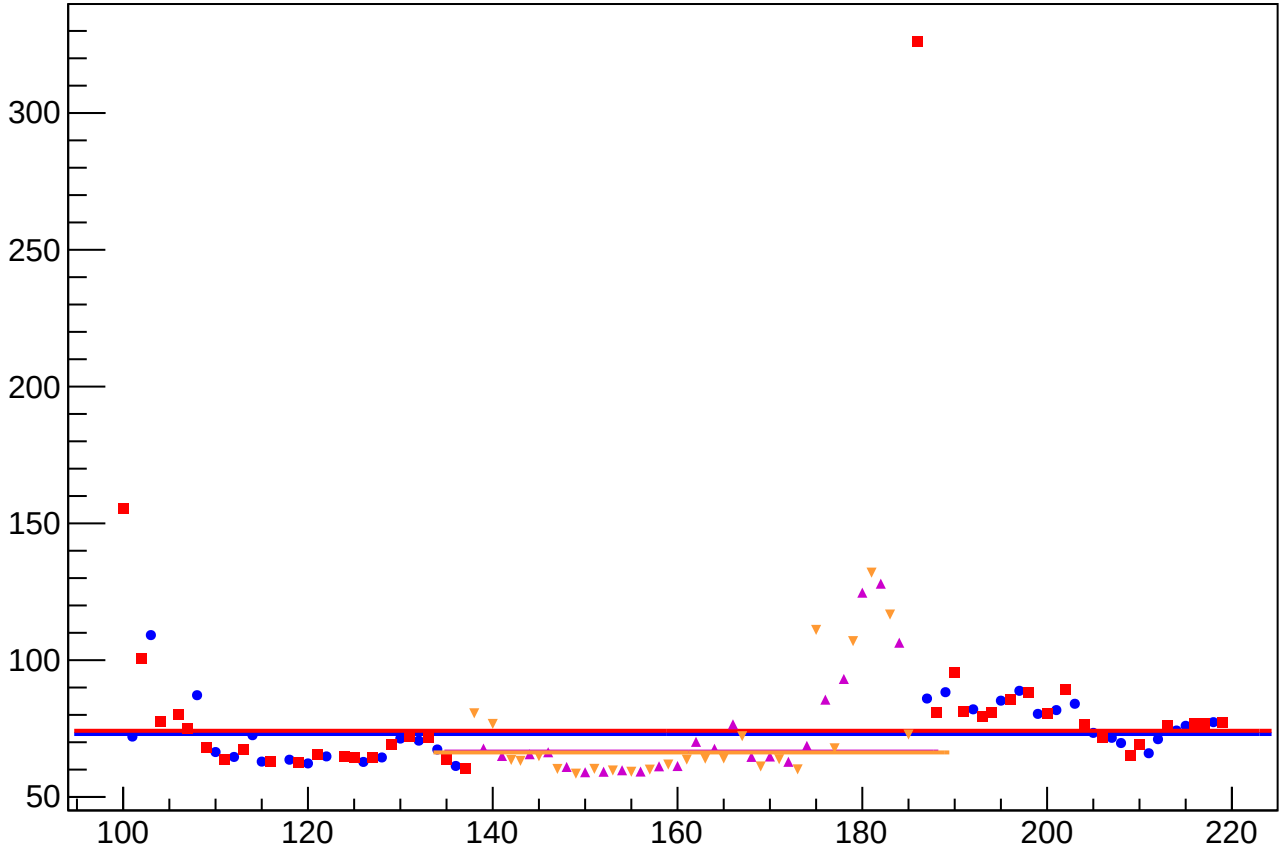
Right: -132.960+/-11.557 χ^2/NDF: 105.8/68

In: -169.781+/-11.469 χ^2/NDF:72.6/54

Out: -157.288+/-11.234 χ^2/NDF:98.6/61

All: -163.405+/-8.025 χ^2/NDF: 171.8/116

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 73.008+/-0.012 χ^2/NDF: 599503.2/31

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.188+/-0.011 χ^2/NDF: 1076463.1/36

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

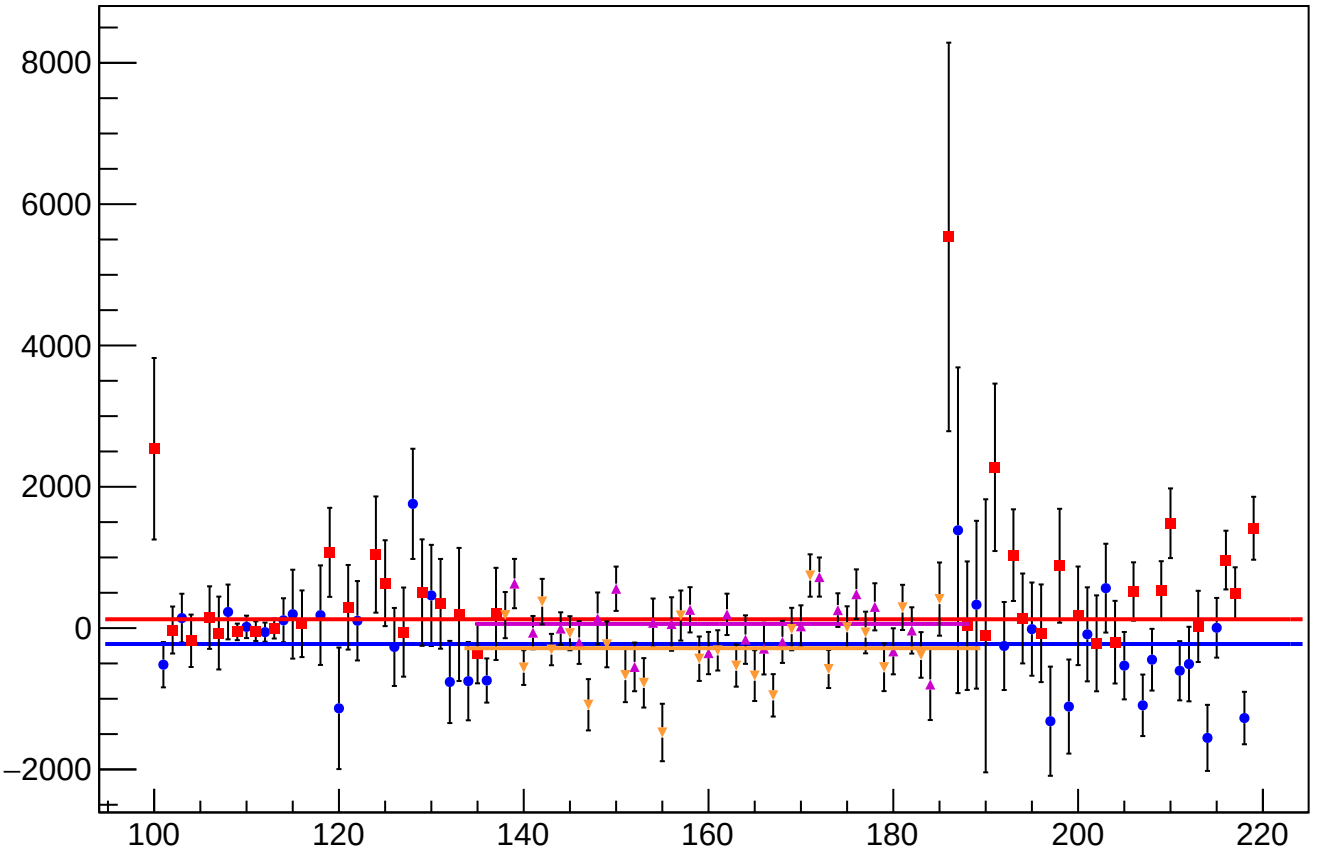
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 73.604+/-0.008 χ^2/NDF: 1681176.6/68

In: 69.716+/-0.008 χ^2/NDF:1914451.5/54

Out: 70.054+/-0.008 χ^2/NDF:2717662.5/61

All: 69.888+/-0.006 χ^2/NDF: 4633000.3/116



Right In: -225.029+/-67.777 χ^2/NDF: 50.8/31

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 125.365+/-59.100 χ^2/NDF: 49.0/36

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

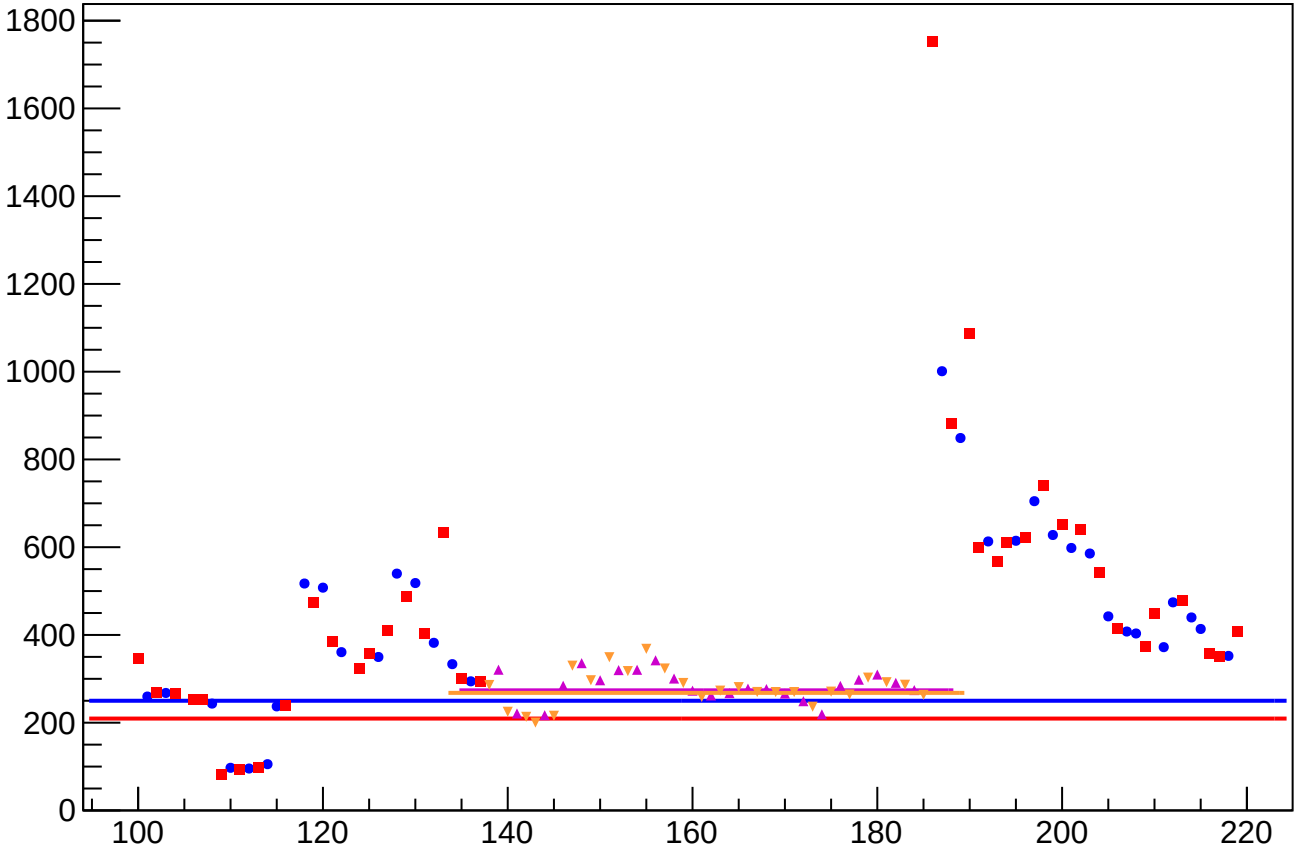
Right: -25.983+/-44.544 χ^2/NDF: 115.0/68

In: -76.199+/-46.776 χ^2/NDF:86.8/54

Out: -70.636+/-42.689 χ^2/NDF:126.6/61

All: -73.164+/-31.532 χ^2/NDF: 213.4/116

asym_sam8_dit_correction_rms vs Slug, Sign Corrected



Right In: 250.008+/-0.048 χ^2/NDF: 12856604.7/31

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 209.422+/-0.042 χ^2/NDF: 17478008.5/36

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

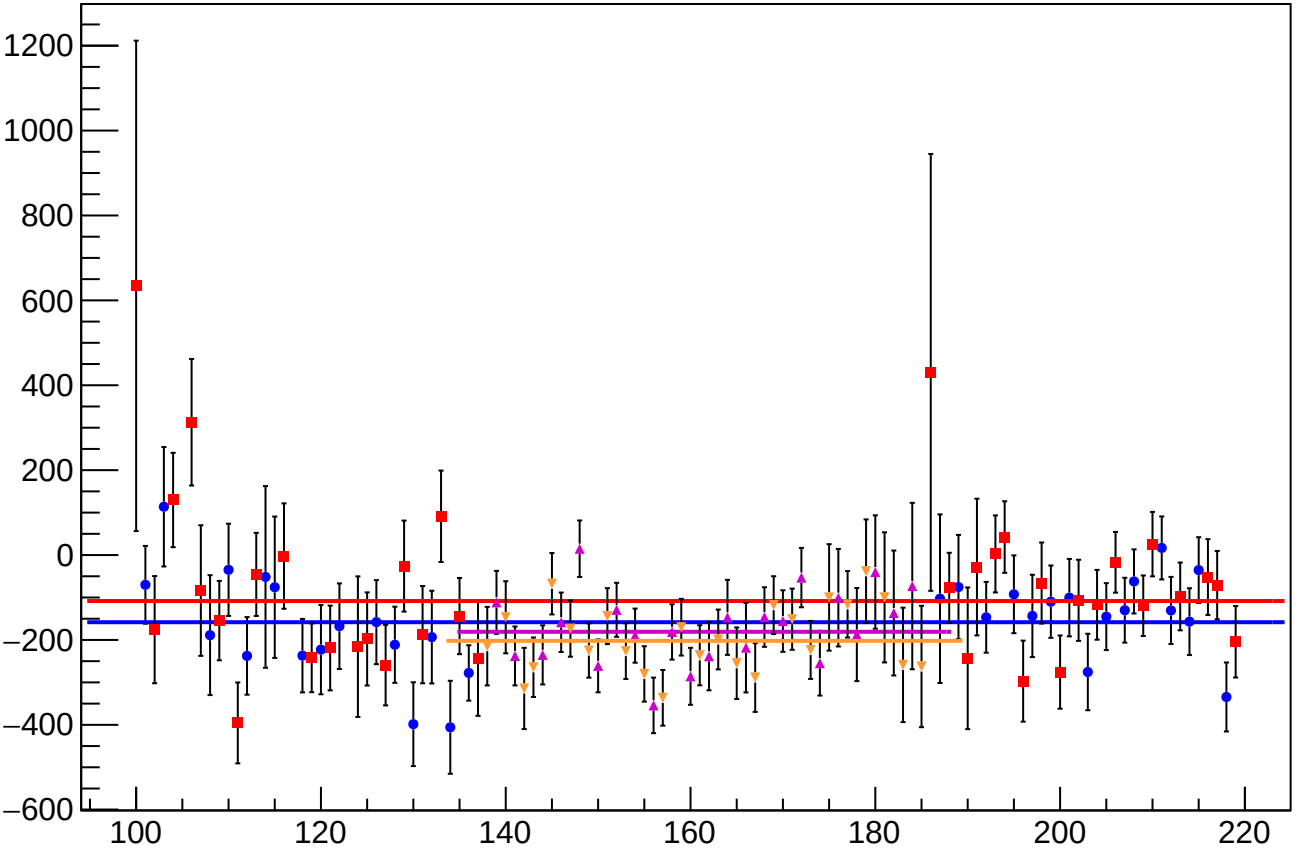
Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

Right: 226.953+/-0.031 χ^2/NDF: 30742018.9/68

In: 262.442+/-0.033 χ^2/NDF:13635431.3/54

Out: 237.431+/-0.030 χ^2/NDF:19280031.8/61

All: 248.797+/-0.022 χ^2/NDF: 33227442.1/11



Right In: -158.208+/-16.428 χ^2/NDF: 41.5/31

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -108.223+/-16.261 χ^2/NDF: 59.7/36

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

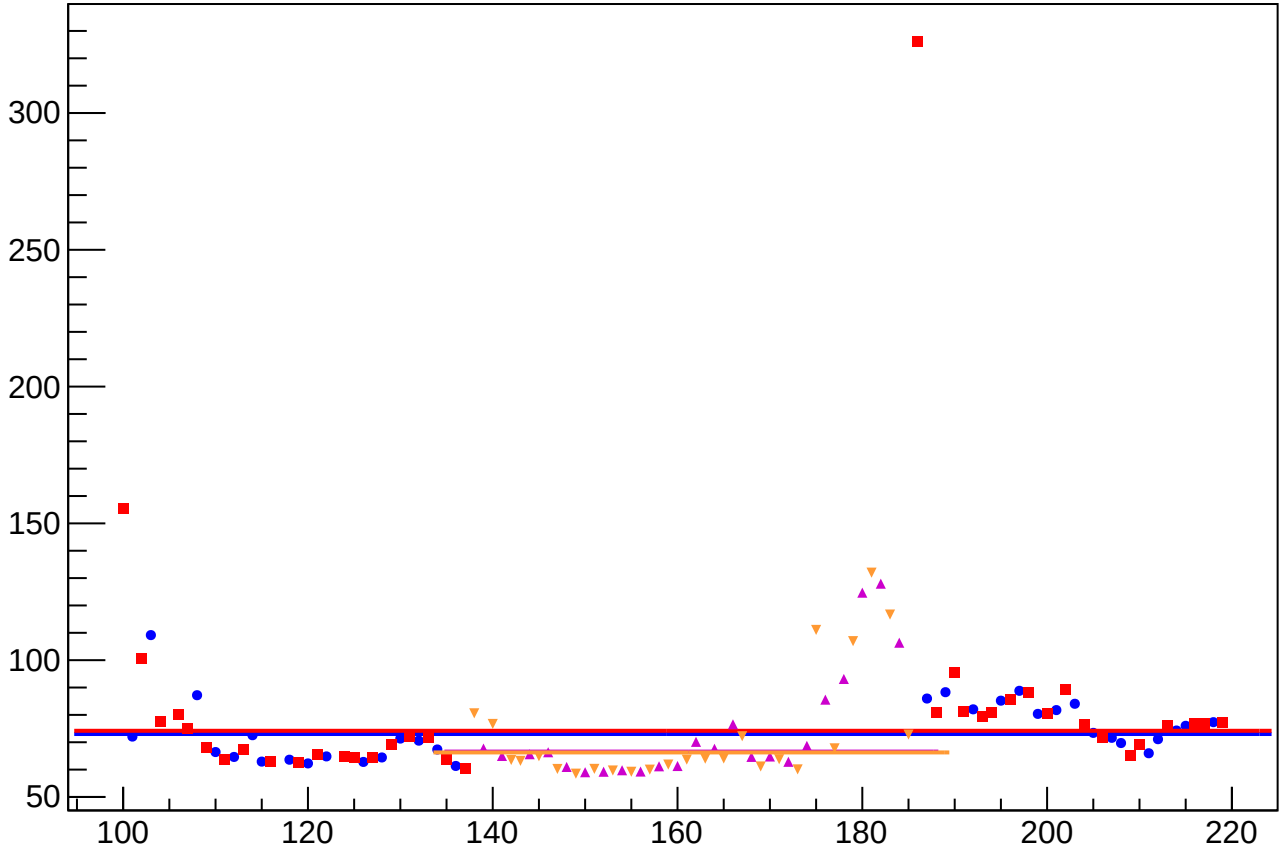
Right: -132.960+/-11.557 χ^2/NDF: 105.8/68

In: -169.781+/-11.469 χ^2/NDF:72.6/54

Out: -157.288+/-11.234 χ^2/NDF:98.6/61

All: -163.405+/-8.025 χ^2/NDF: 171.8/116

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 73.008+/-0.012 χ^2/NDF: 599507.1/31

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.188+/-0.011 χ^2/NDF: 1076468.0/36

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

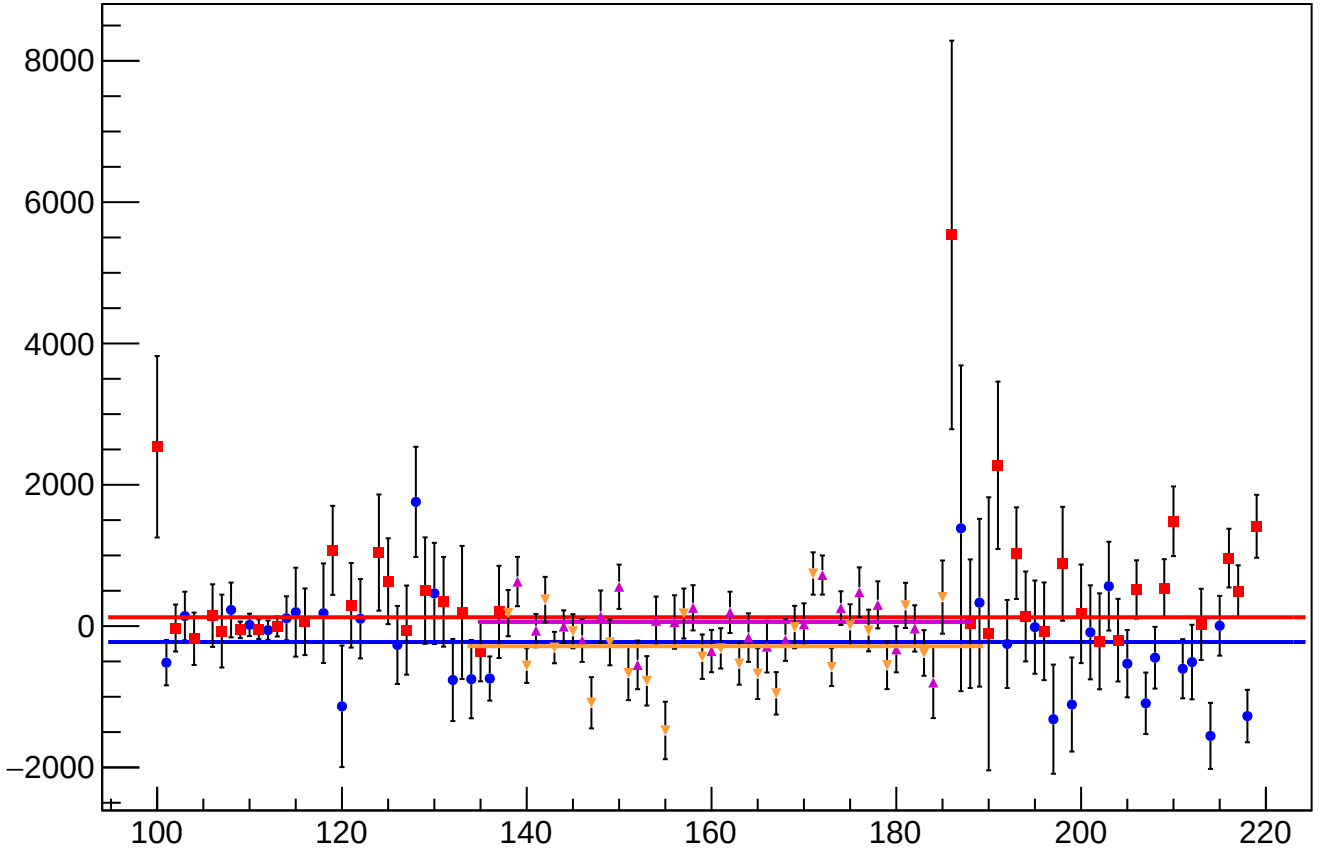
Right: 73.604+/-0.008 χ^2/NDF: 1681185.2/68

In: 69.716+/-0.008 χ^2/NDF:1914440.5/54

Out: 70.054+/-0.008 χ^2/NDF:2717658.3/61

All: 69.888+/-0.006 χ^2/NDF: 4632985.0/116

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -225.026+/-67.776 χ^2/NDF: 50.8/31

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 125.363+/-59.100 χ^2/NDF: 49.0/36

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

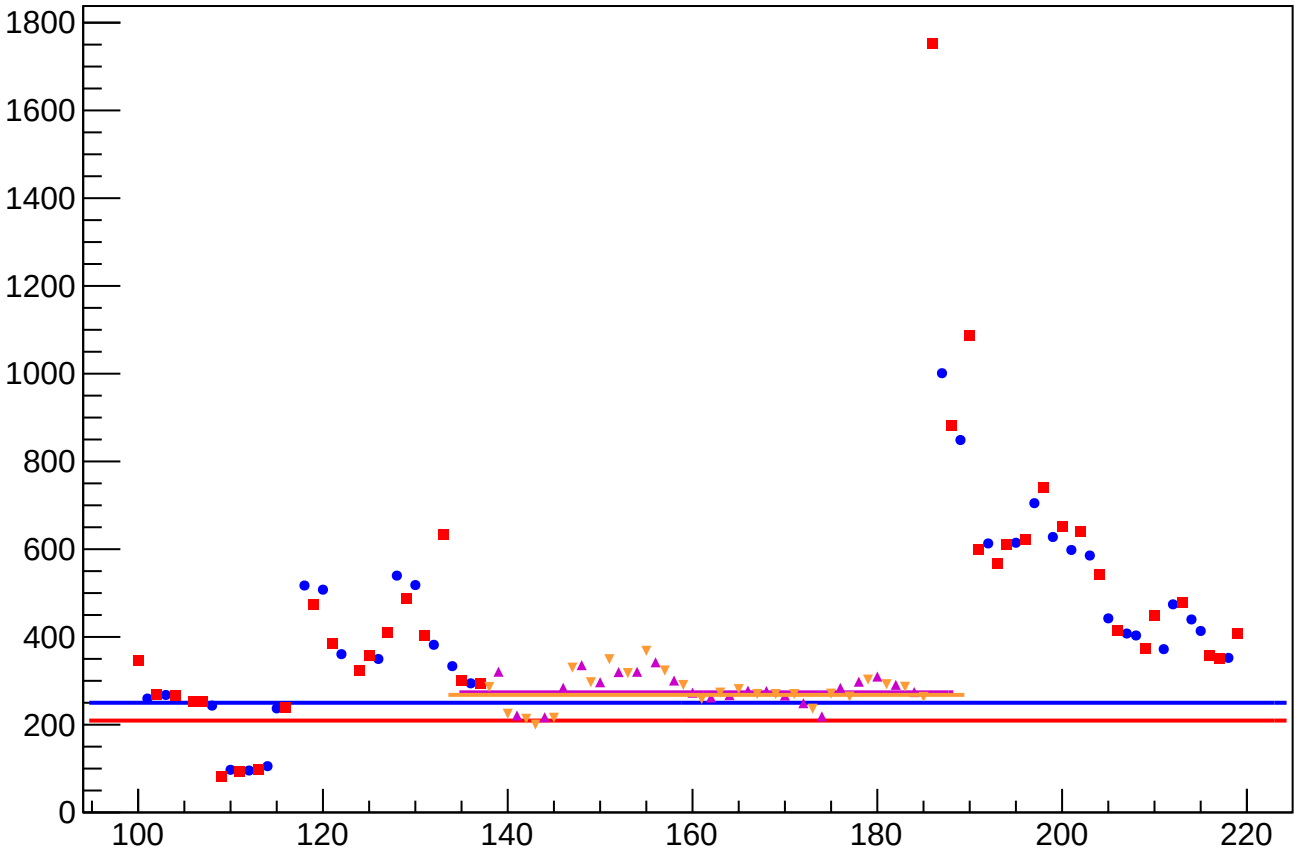
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -25.983+/-44.544 χ^2/NDF: 115.0/68

In: -76.197+/-46.775 χ^2/NDF:86.8/54

Out: -70.637+/-42.689 χ^2/NDF:126.6/61

All: -73.164+/-31.531 χ^2/NDF: 213.4/116



Right In: 250.007+/-0.048 χ^2/NDF: 12856696.7/31

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 209.421+/-0.042 χ^2/NDF: 17478005.9/36

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

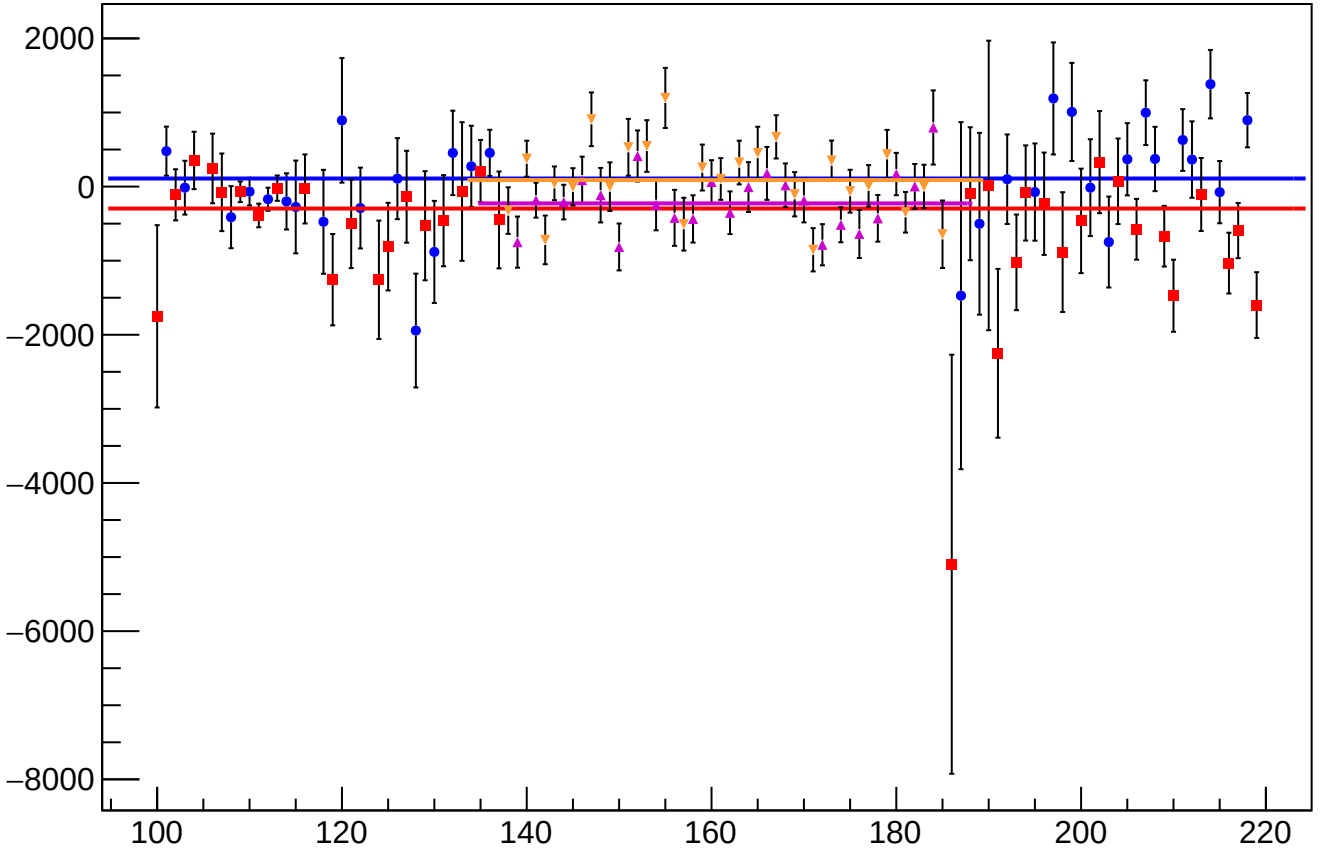
Right: 226.952+/-0.031 χ^2/NDF: 30742086.8/68

In: 262.441+/-0.033 χ^2/NDF:13635538.5/54

Out: 237.430+/-0.030 χ^2/NDF:19280029.8/61

All: 248.796+/-0.022 χ^2/NDF: 33227533.2/11

asym_sam8_mean vs Slug, Sign Corrected



Right In: 109.009+/-72.652 χ^2/NDF: 46.7/31

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -295.941+/-65.072 χ^2/NDF: 47.3/36

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

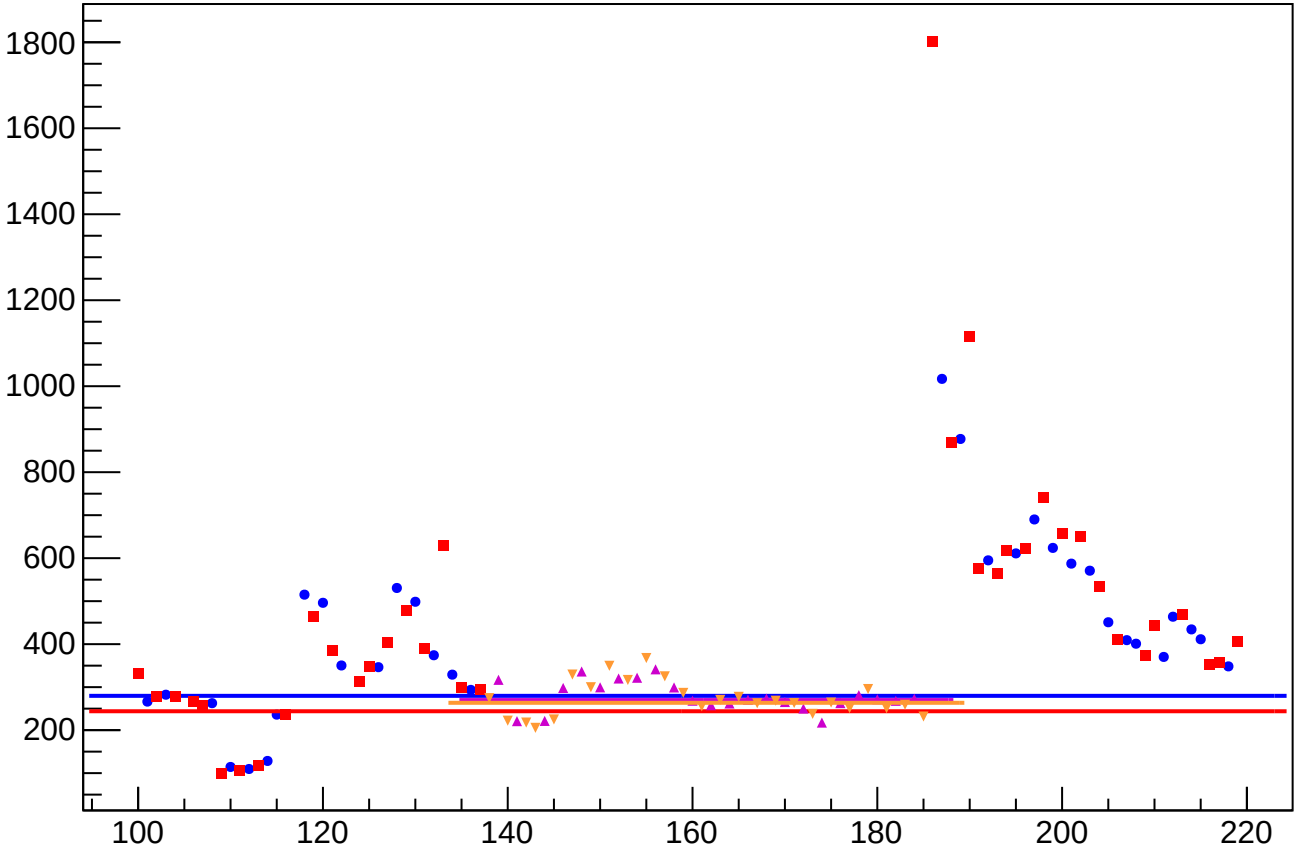
Right: -115.688+/-48.472 χ^2/NDF: 111.3/68

In: -80.947+/-47.887 χ^2/NDF:87.6/54

Out: -90.322+/-44.373 χ^2/NDF:118.2/61

All: -85.991+/-32.548 χ^2/NDF: 205.8/116

asym_sam8_rms vs Slug, Sign Corrected



Right In: 279.783+/-0.051 χ^2/NDF: 10370001.8/31

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 243.925+/-0.046 χ^2/NDF: 14530132.1/36

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

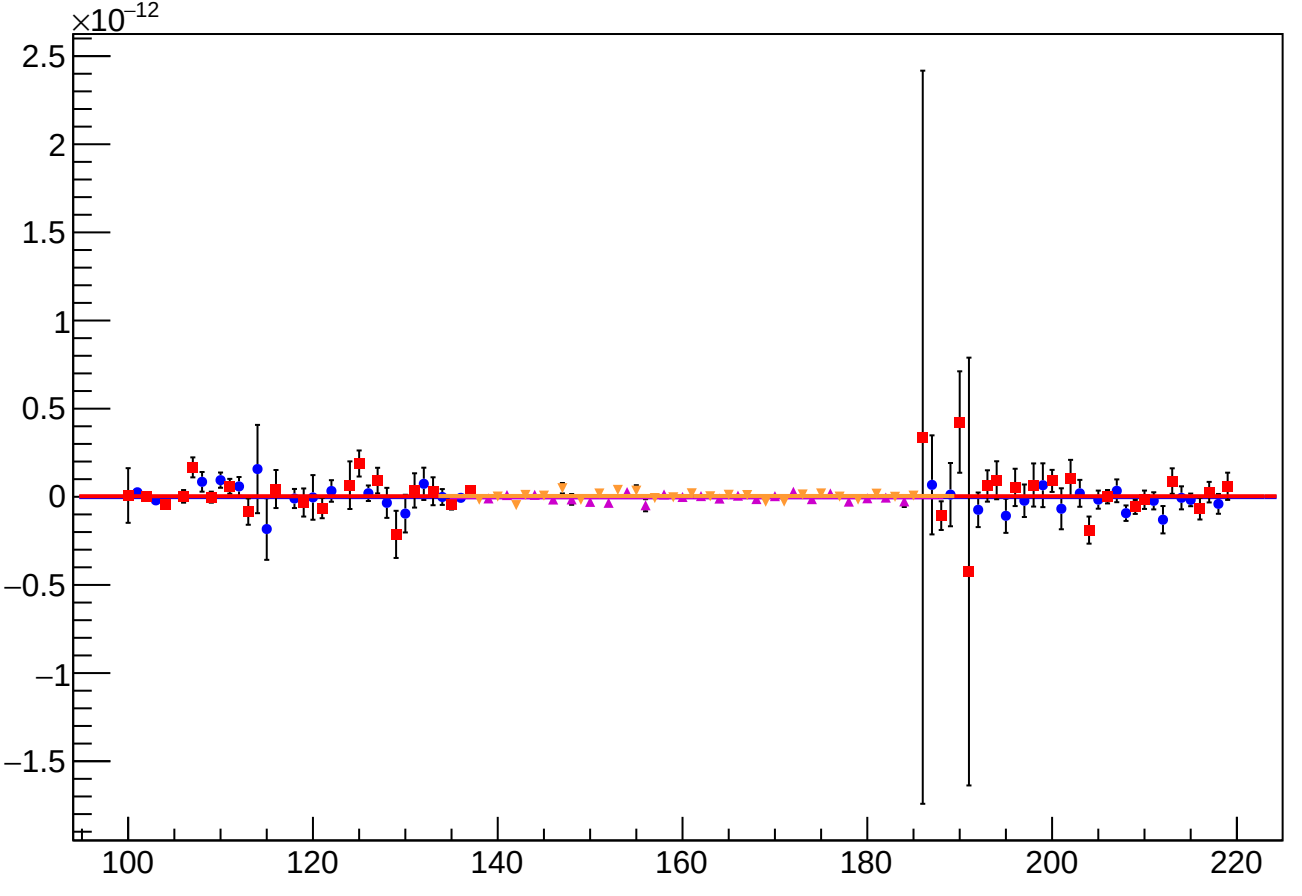
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 259.886+/-0.034 χ^2/NDF: 25170475.0/68

In: 274.192+/-0.034 χ^2/NDF:10993187.6/54

Out: 254.447+/-0.031 χ^2/NDF:15407736.2/61

All: 263.569+/-0.023 χ^2/NDF: 26583873.9/1



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 51.4/36

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

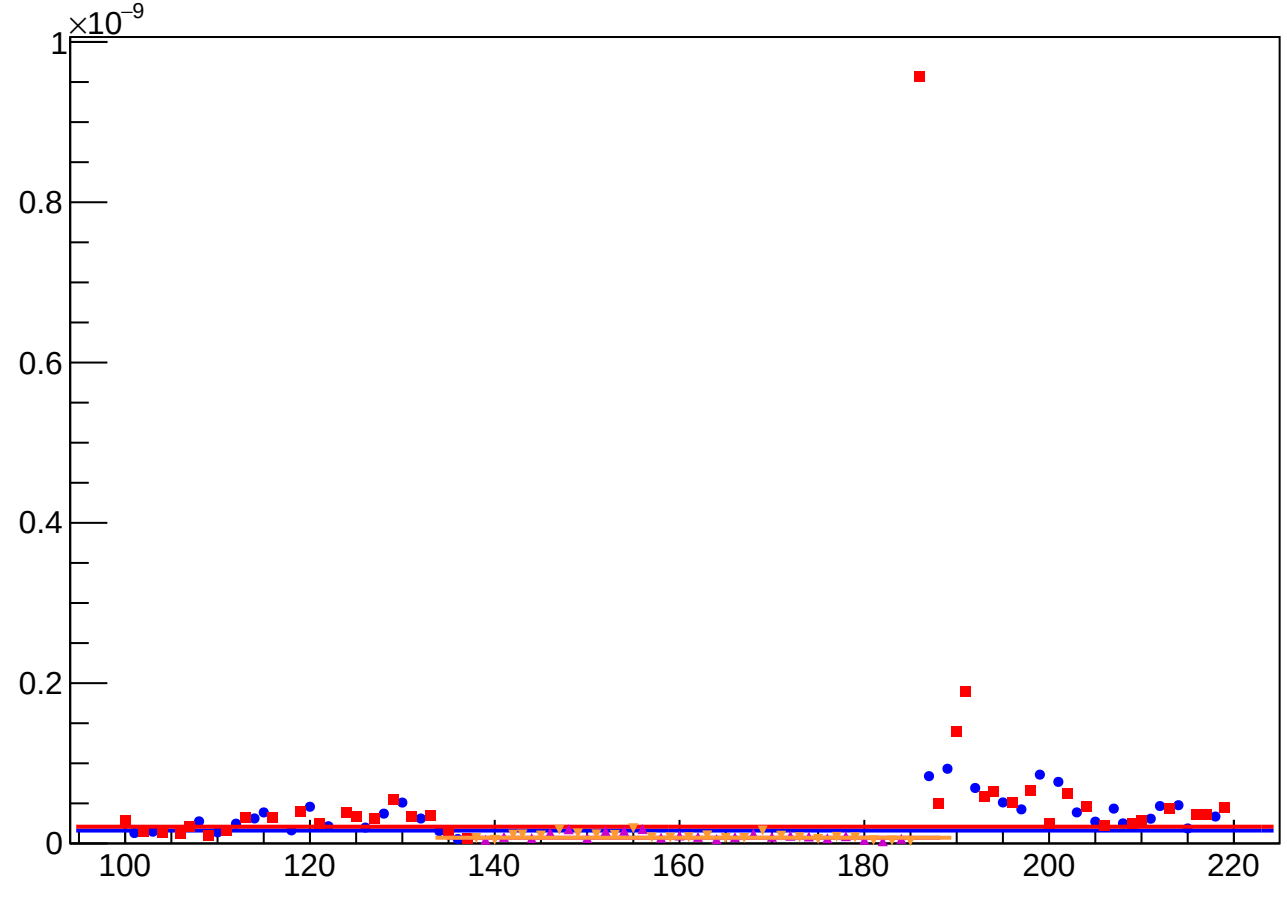
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 77.1/68

In: -0.000+/-0.000 χ^2/NDF:47.1/54

Out: 0.000+/-0.000 χ^2/NDF:79.3/61

All: 0.000+/-0.000 χ^2/NDF: 129.7/116



Right In: 0.000+/-0.000 χ^2/NDF: 7017857.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5411593.4/36

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

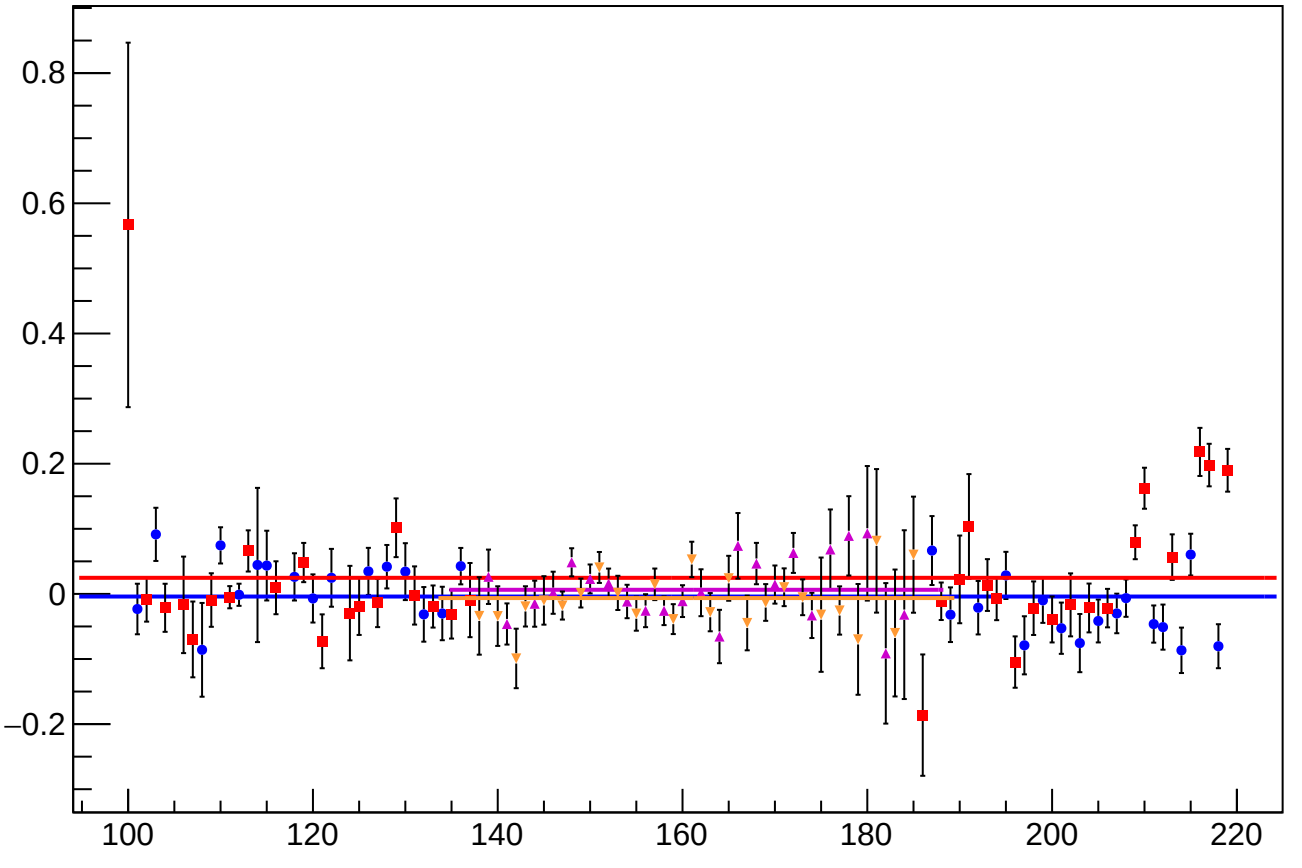
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 12786674.7/68

In: 0.000+/-0.000 χ^2/NDF:11600976.7/54

Out: 0.000+/-0.000 χ^2/NDF:11856865.0/61

All: 0.000+/-0.000 χ^2/NDF: 23460716.6/116



Right In: -0.004+/-0.006 χ^2/NDF: 55.4/31

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.025+/-0.006 χ^2/NDF: 165.3/36

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

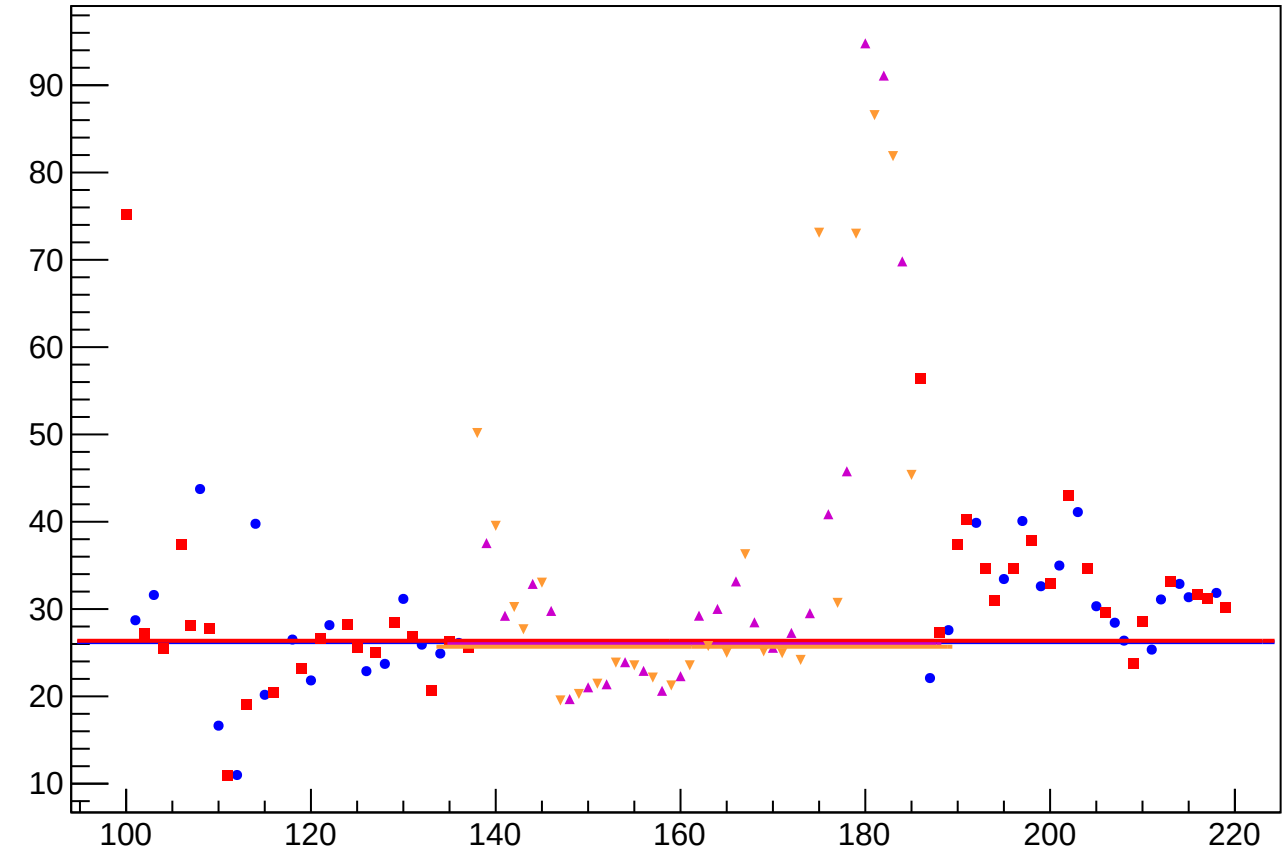
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.011+/-0.004 χ^2/NDF: 231.7/68

In: 0.001+/-0.005 χ^2/NDF:85.2/54

Out: 0.010+/-0.004 χ^2/NDF:200.3/61

All: 0.006+/-0.003 χ^2/NDF: 287.6/116



Right In: 26.211+/-0.004 χ^2/NDF: 3305678.7/31

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 26.367+/-0.004 χ^2/NDF: 3335014.7/36

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

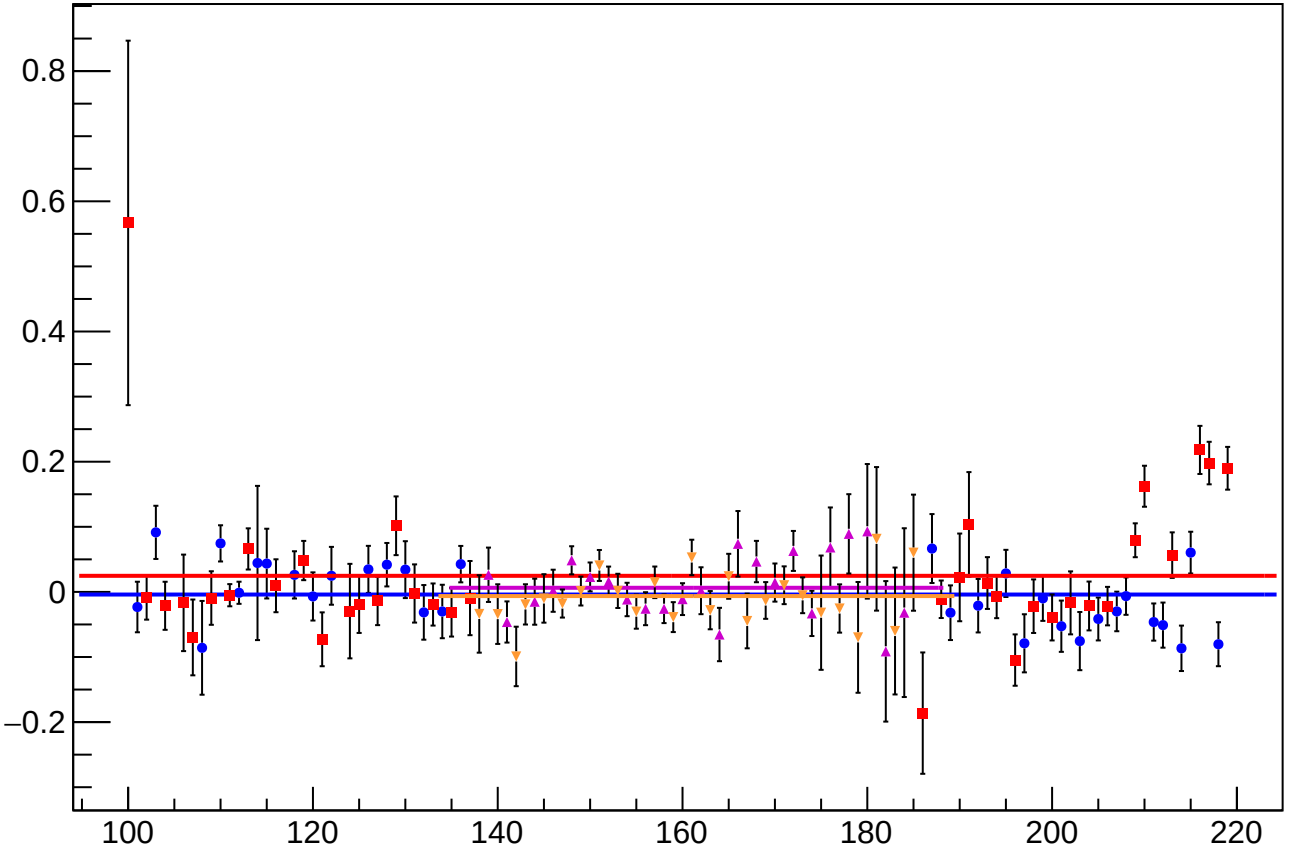
Right: 26.291+/-0.003 χ^2/NDF: 6641336.1/68

In: 26.099+/-0.003 χ^2/NDF:6425406.7/54

Out: 26.045+/-0.003 χ^2/NDF:7218542.7/61

All: 26.071+/-0.002 χ^2/NDF: 13644099.5/116

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.006 χ^2/NDF: 55.4/31

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.025+/-0.006 χ^2/NDF: 165.3/36

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

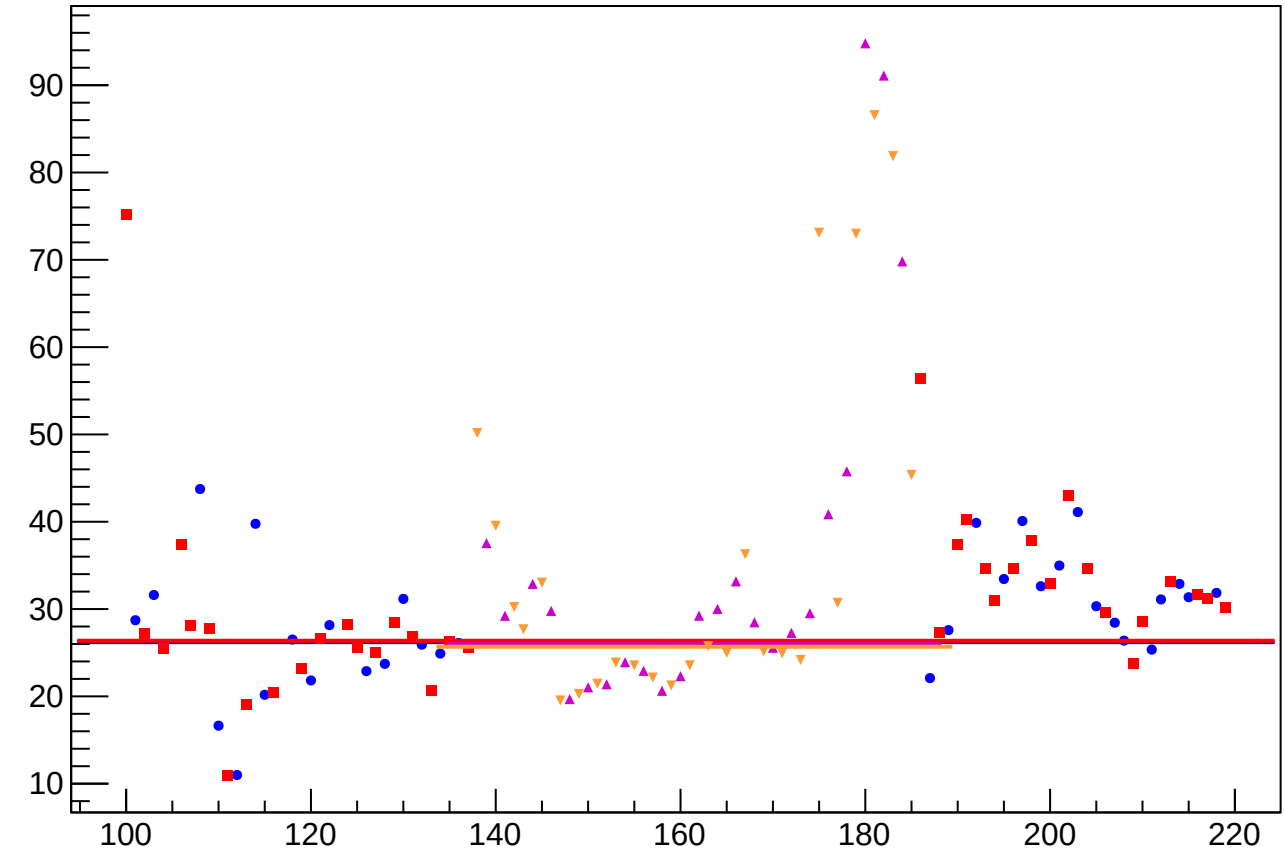
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.011+/-0.004 χ^2/NDF: 231.7/68

In: 0.001+/-0.005 χ^2/NDF:85.2/54

Out: 0.010+/-0.004 χ^2/NDF:200.3/61

All: 0.006+/-0.003 χ^2/NDF: 287.6/116



Right In: 26.211+/-0.004 χ^2/NDF: 3305678.7/31

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 26.367+/-0.004 χ^2/NDF: 3335014.7/36

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

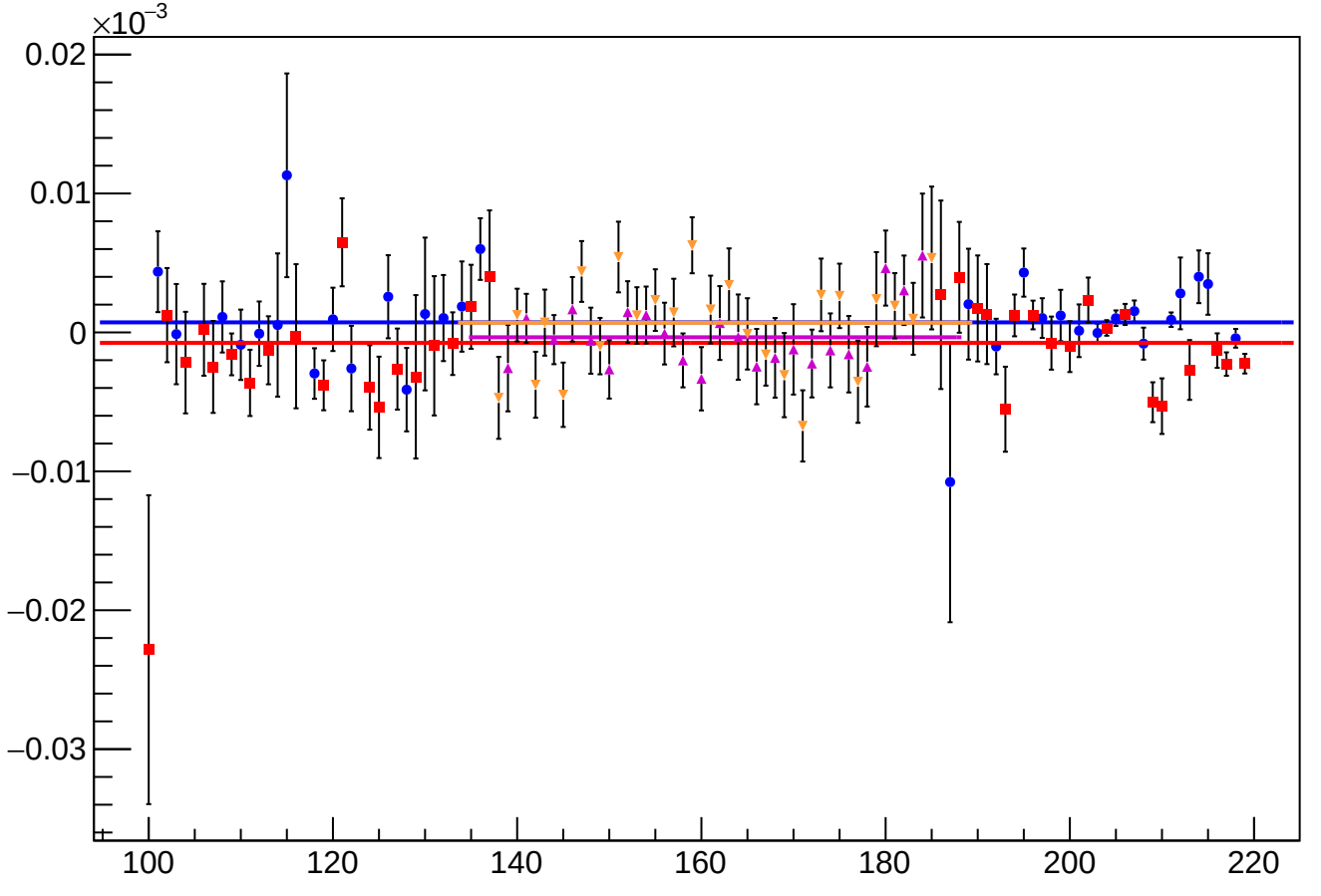
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 26.291+/-0.003 χ^2/NDF: 6641336.1/68

In: 26.099+/-0.003 χ^2/NDF:6425406.7/54

Out: 26.045+/-0.003 χ^2/NDF:7218542.7/61

All: 26.071+/-0.002 χ^2/NDF: 13644099.5/116



Right In: 0.000+/-0.000 χ^2/NDF: 37.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 67.6/36

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

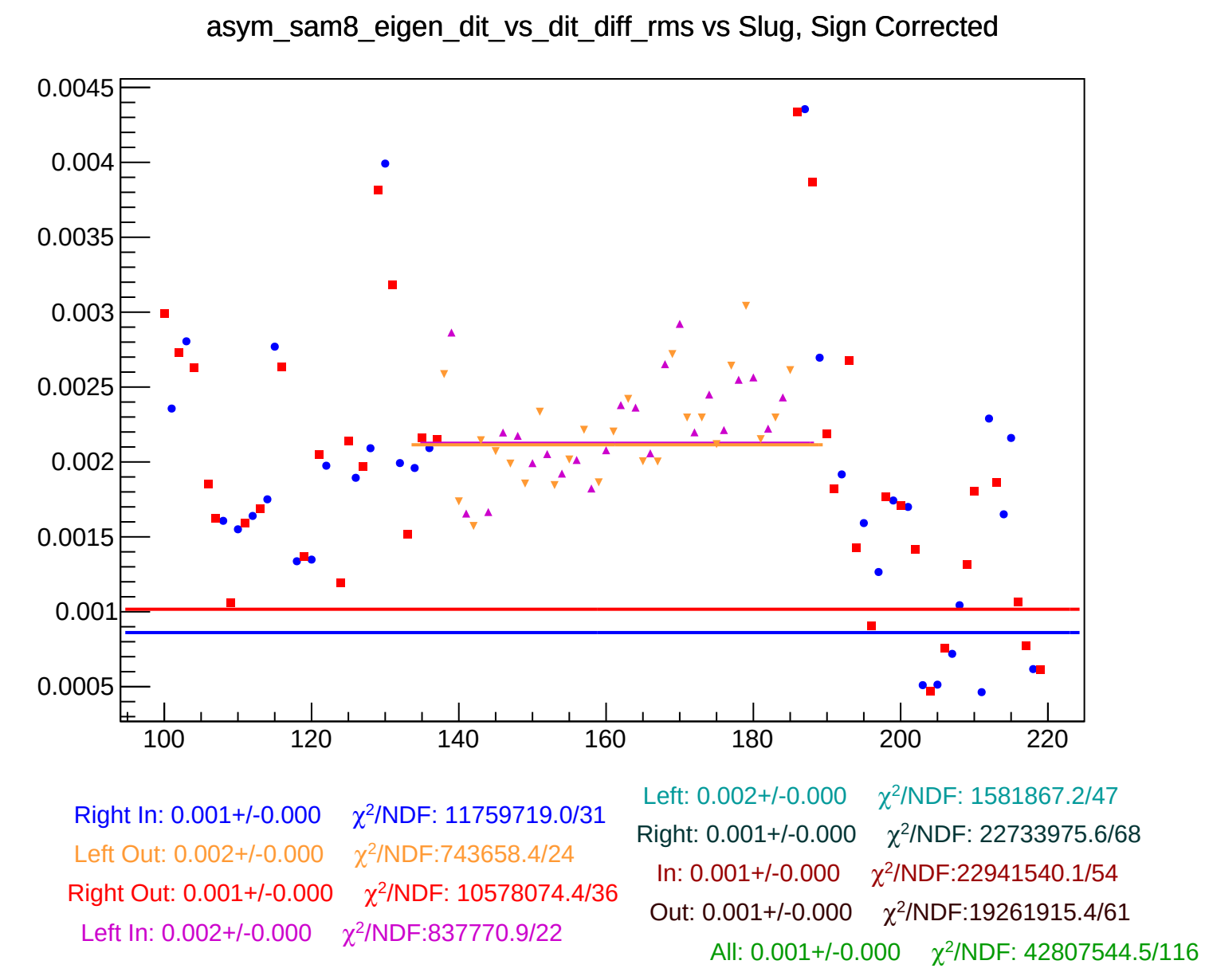
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

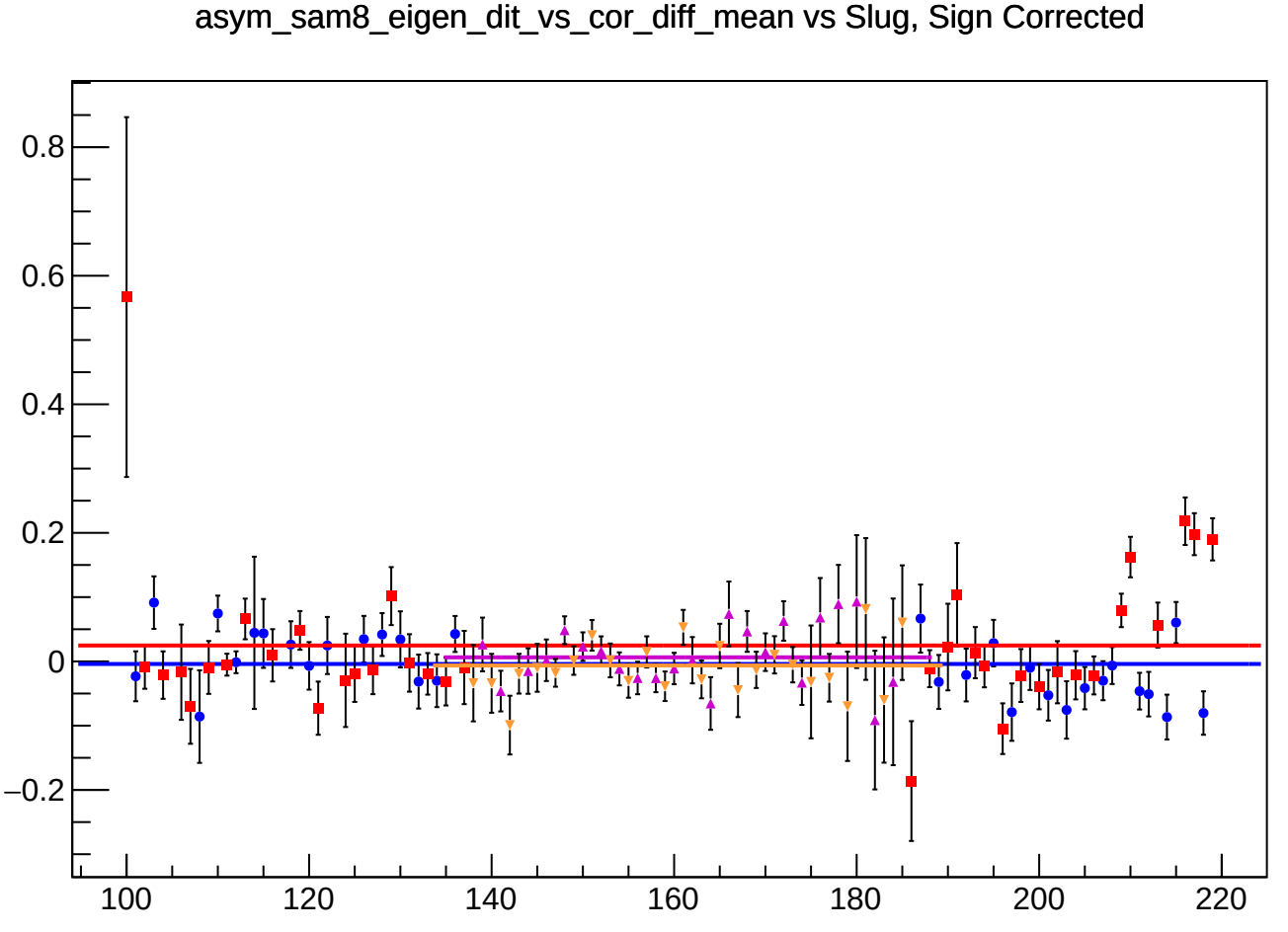
Right: 0.000+/-0.000 χ^2/NDF: 123.0/68

In: 0.000+/-0.000 χ^2/NDF:57.7/54

Out: -0.000+/-0.000 χ^2/NDF:118.8/61

All: 0.000+/-0.000 χ^2/NDF: 186.0/116


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: 11759719.0/31
Left Out: 0.002+/-0.000 χ²/NDF:743658.4/24
Right Out: 0.001+/-0.000 χ²/NDF: 10578074.4/36
Left In: 0.002+/-0.000 χ²/NDF:837770.9/22
Left: 0.002+/-0.000 χ²/NDF: 1581867.2/47
Right: 0.001+/-0.000 χ²/NDF: 22733975.6/68
In: 0.001+/-0.000 χ²/NDF:22941540.1/54
Out: 0.001+/-0.000 χ²/NDF:19261915.4/61
All: 0.001+/-0.000 χ²/NDF: 42807544.5/116



Right In: -0.004+/-0.006 χ^2/NDF: 55.4/31

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.025+/-0.006 χ^2/NDF: 165.3/36

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

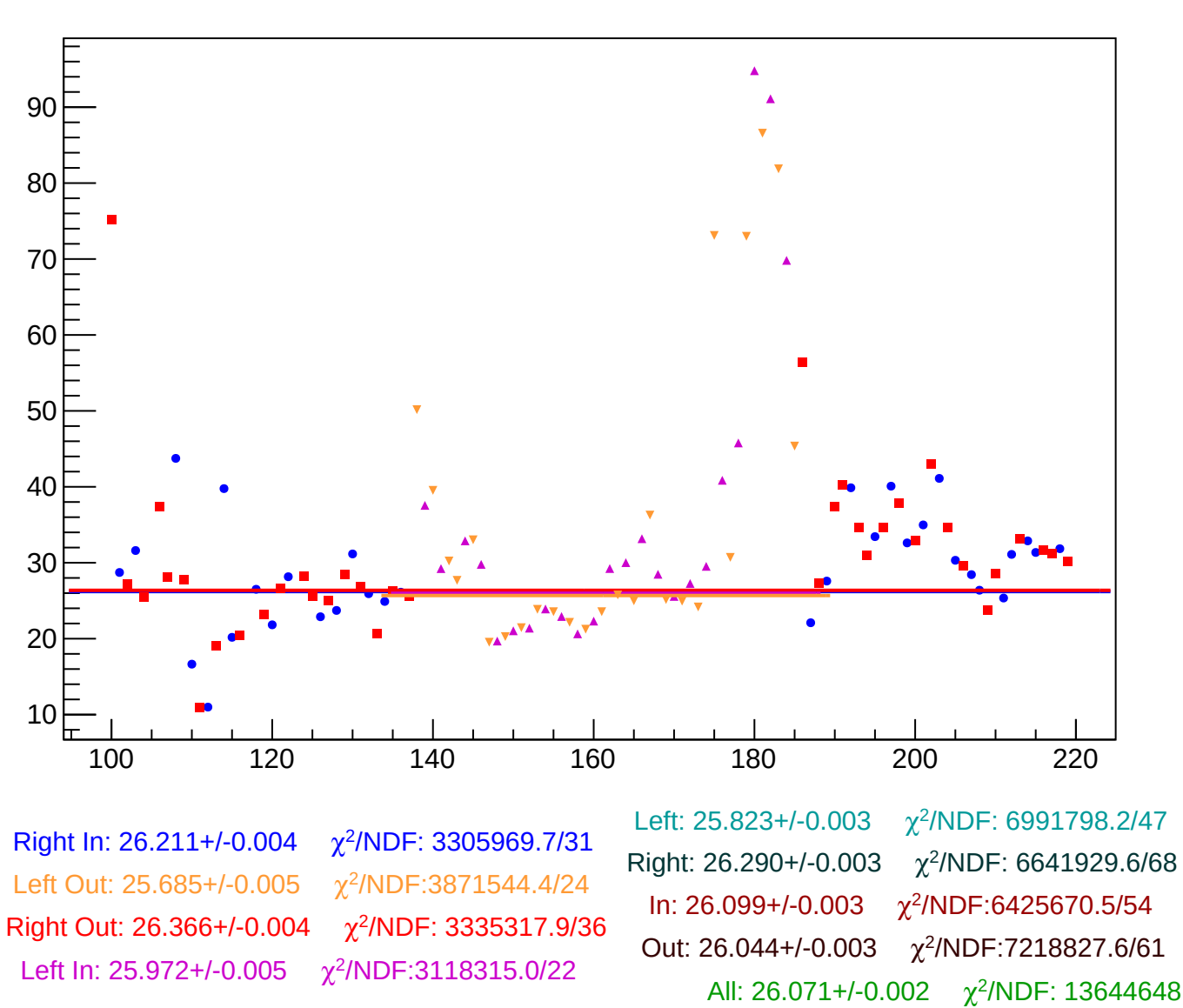
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.011+/-0.004 χ^2/NDF: 231.7/68

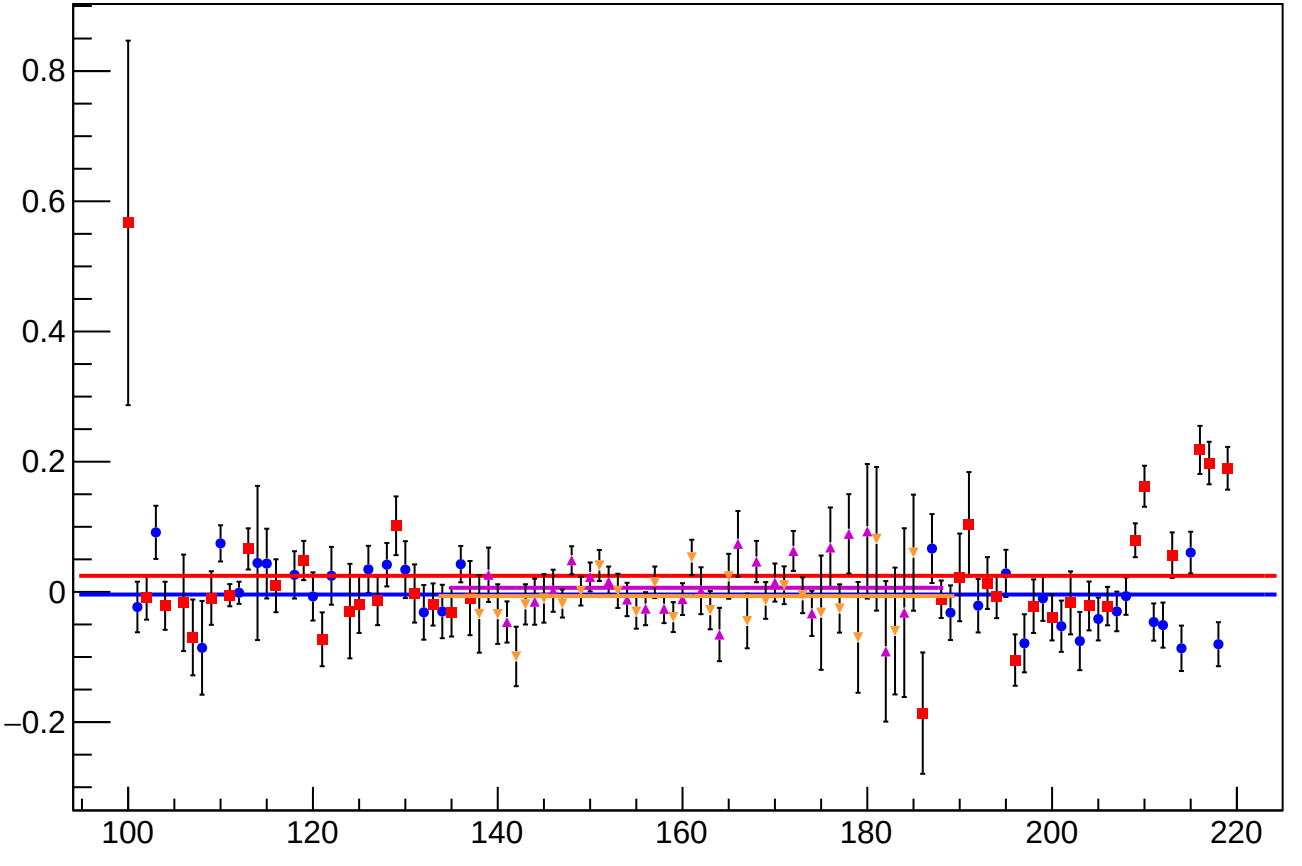
In: 0.001+/-0.005 χ^2/NDF:85.2/54

Out: 0.010+/-0.004 χ^2/NDF:200.3/61

All: 0.006+/-0.003 χ^2/NDF: 287.6/116


asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
90
80
70
60
50
40
30
20
10
100
120
140
160
180
200
220
Right In: 26.211+/-0.004 χ²/NDF: 3305969.7/31
Left Out: 25.685+/-0.005 χ²/NDF:3871544.4/24
Right Out: 26.366+/-0.004 χ²/NDF: 3335317.9/36
Left In: 25.972+/-0.005 χ²/NDF:3118315.0/22
Left: 25.823+/-0.003 χ²/NDF: 6991798.2/47
Right: 26.290+/-0.003 χ²/NDF: 6641929.6/68
In: 26.099+/-0.003 χ²/NDF:6425670.5/54
Out: 26.044+/-0.003 χ²/NDF:7218827.6/61
All: 26.071+/-0.002 χ²/NDF: 13644648.4/116

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.006 χ^2/NDF: 55.4/31

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.025+/-0.006 χ^2/NDF: 165.3/36

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

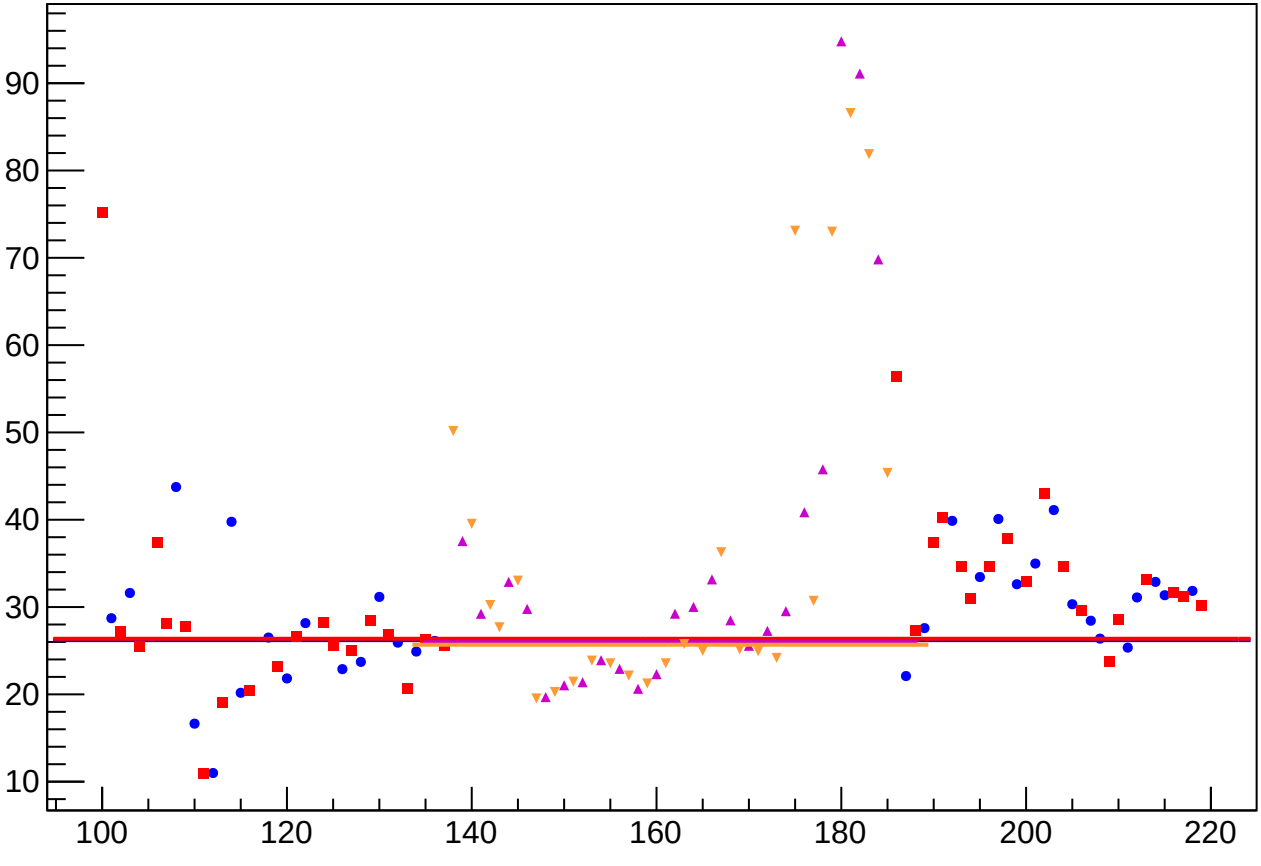
Right: 0.011+/-0.004 χ^2/NDF: 231.7/68

In: 0.001+/-0.005 χ^2/NDF:85.2/54

Out: 0.010+/-0.004 χ^2/NDF:200.3/61

All: 0.006+/-0.003 χ^2/NDF: 287.6/116

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.211+/-0.004 χ^2/NDF: 3305969.7/31

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 26.366+/-0.004 χ^2/NDF: 3335317.9/36

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

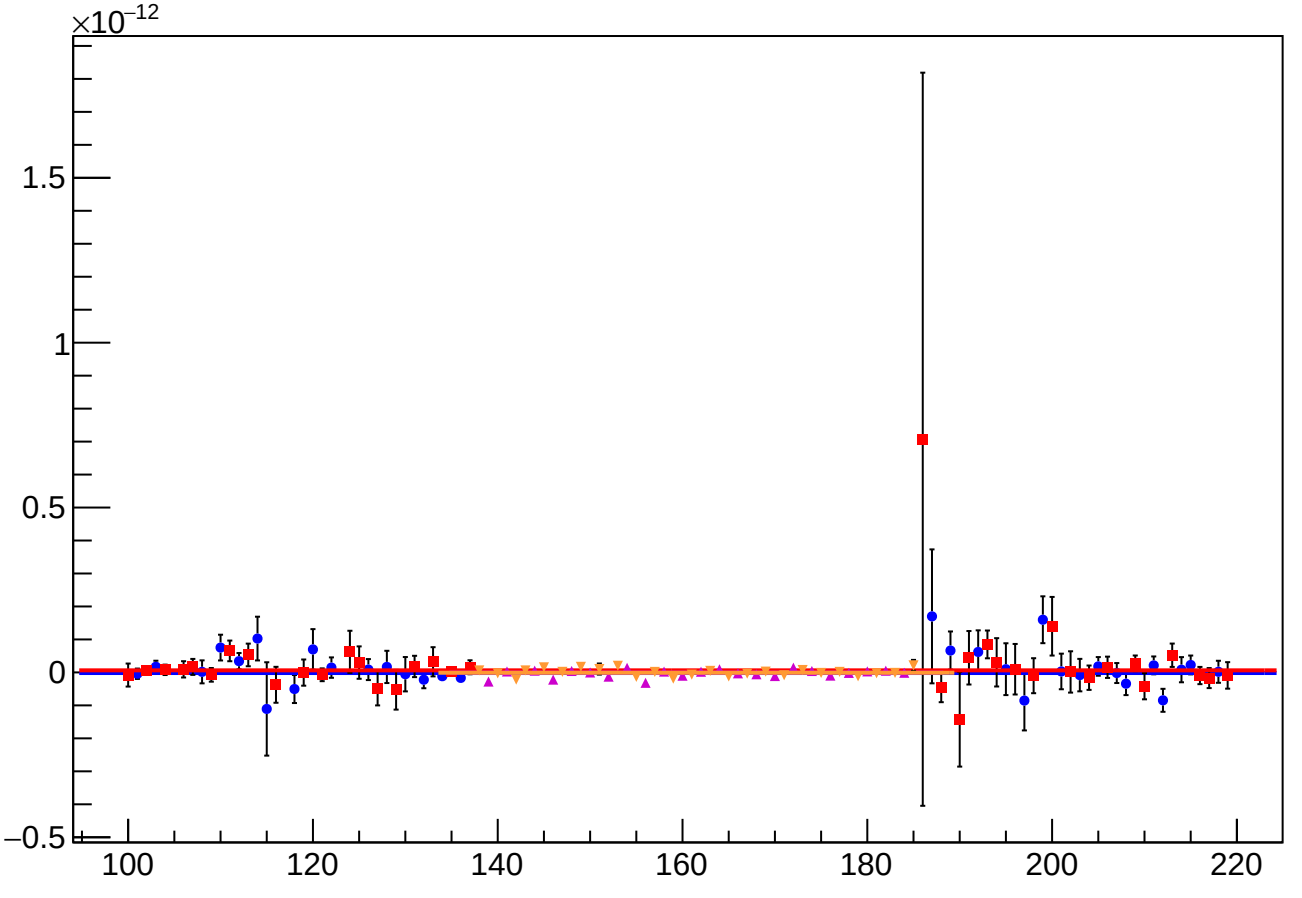
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 26.290+/-0.003 χ^2/NDF: 6641929.6/68

In: 26.099+/-0.003 χ^2/NDF:6425670.5/54

Out: 26.044+/-0.003 χ^2/NDF:7218827.6/61

All: 26.071+/-0.002 χ^2/NDF: 13644648.4/116



Right In: -0.000+/-0.000 χ^2/NDF: 35.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/36

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

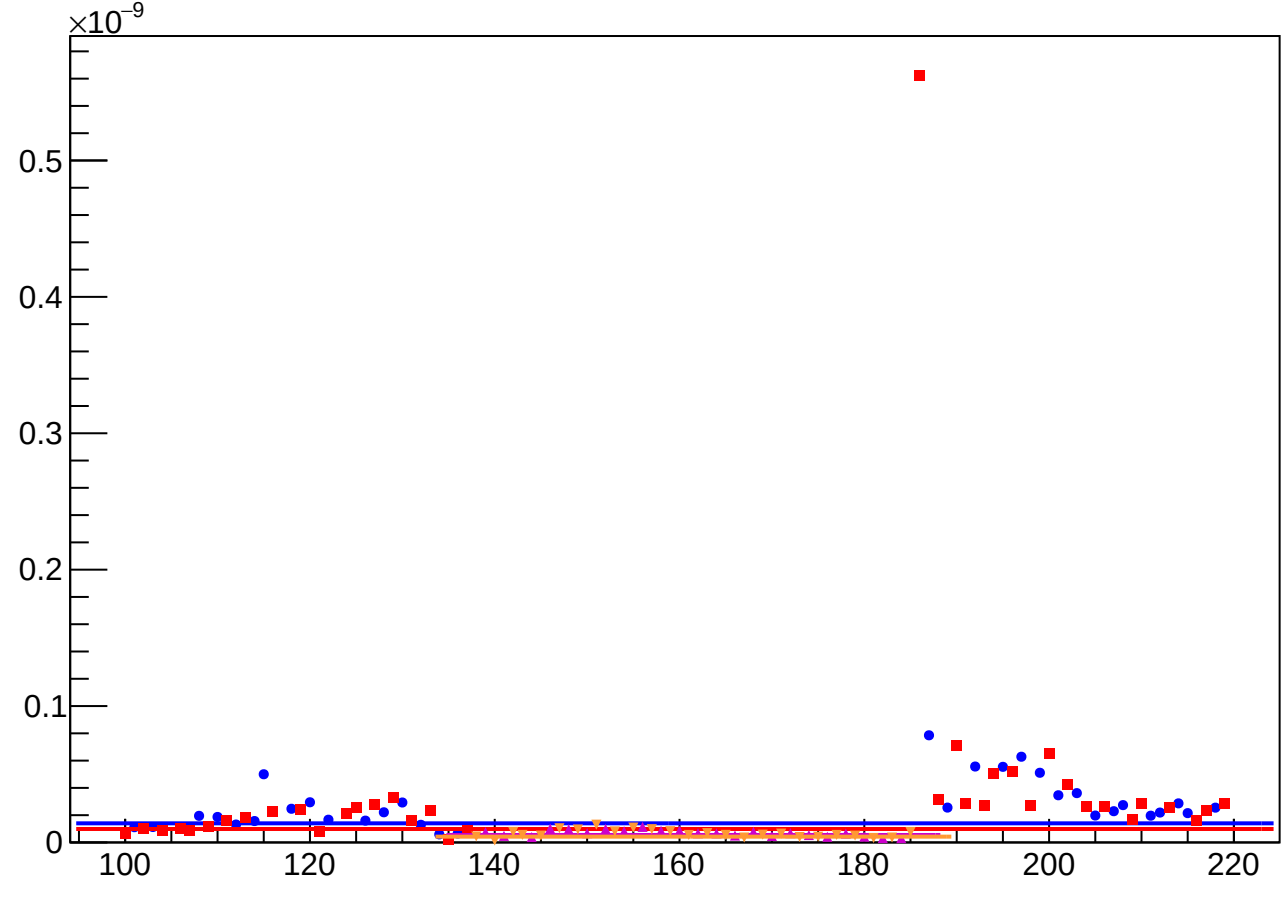
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 62.5/68

In: -0.000+/-0.000 χ^2/NDF:64.7/54

Out: -0.000+/-0.000 χ^2/NDF:57.6/61

All: -0.000+/-0.000 χ^2/NDF: 122.4/116



Right In: 0.000+/-0.000 χ^2/NDF: 7733493.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12412252.2/36

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

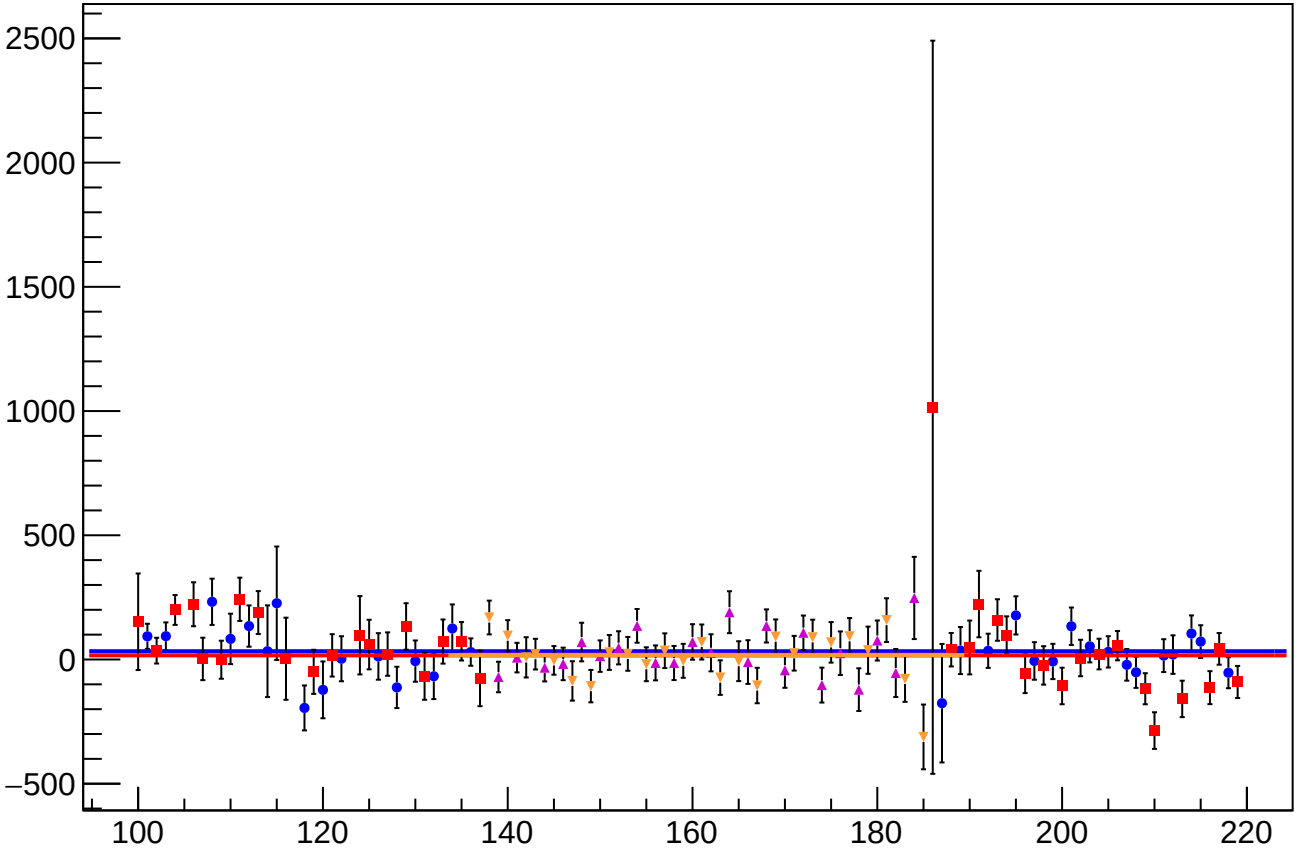
Right: 0.000+/-0.000 χ^2/NDF: 21028618.8/68

In: 0.000+/-0.000 χ^2/NDF:16181406.1/54

Out: 0.000+/-0.000 χ^2/NDF:21390309.6/61

All: 0.000+/-0.000 χ^2/NDF: 38643068.4/116

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 33.277+/-13.461 χ^2/NDF: 36.0/31

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 16.557+/-13.109 χ^2/NDF: 76.5/36

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

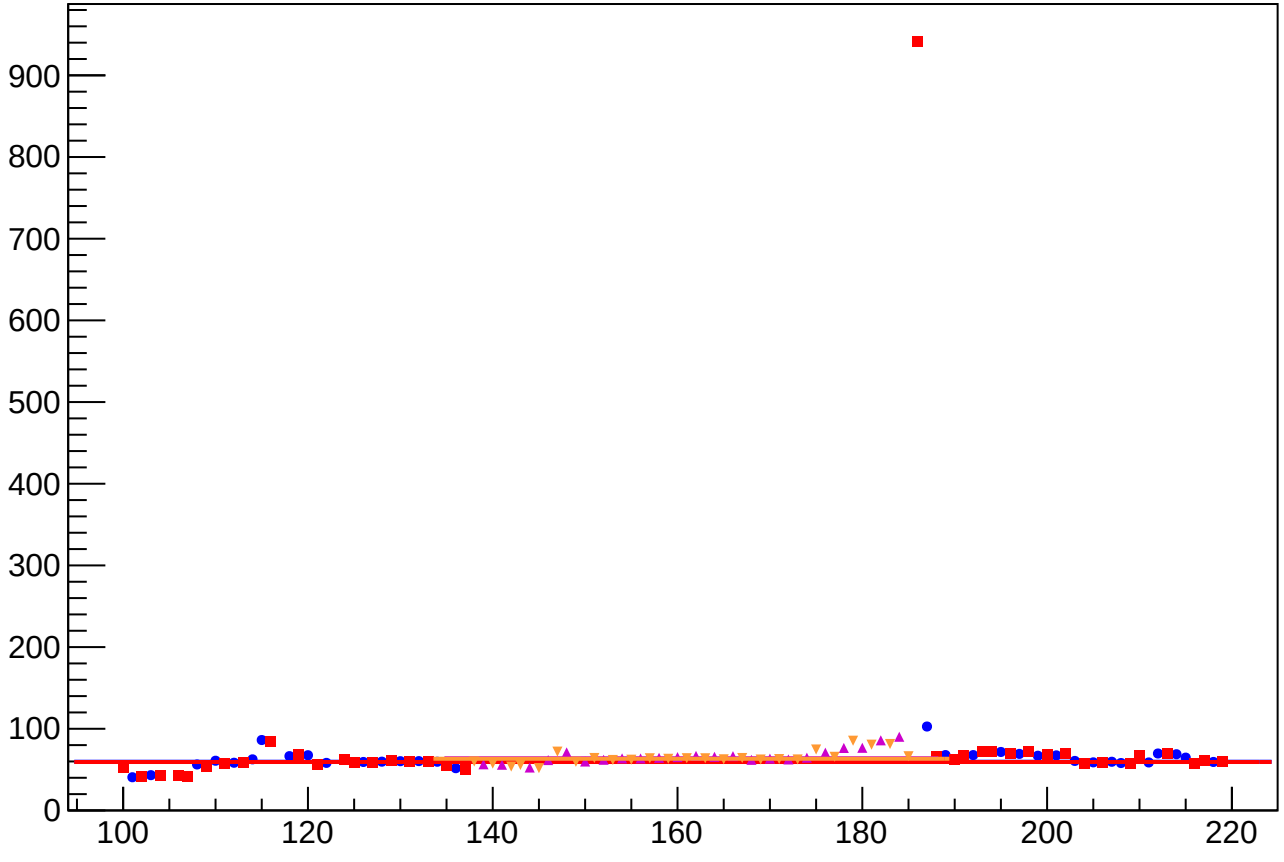
Right: 24.695+/-9.391 χ^2/NDF: 113.3/68

In: 27.213+/-10.030 χ^2/NDF:62.7/54

Out: 17.116+/-9.723 χ^2/NDF:108.1/61

All: 22.007+/-6.981 χ^2/NDF: 171.3/116

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.664+/-0.010 χ^2/NDF: 862487.8/31

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.312+/-0.009 χ^2/NDF: 1719337.9/36

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

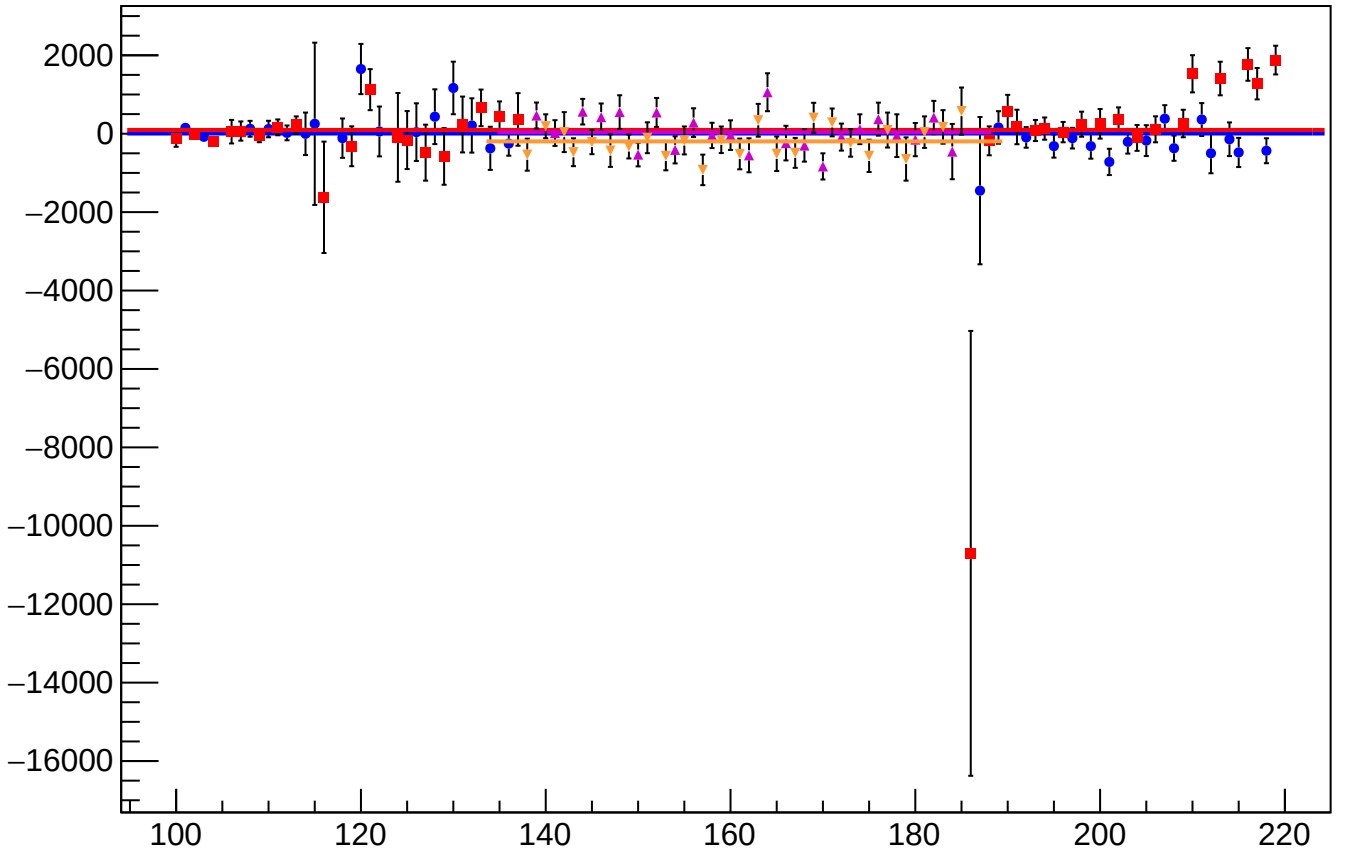
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 59.483+/-0.007 χ^2/NDF: 2582526.8/68

In: 61.556+/-0.007 χ^2/NDF:1396649.5/54

Out: 61.112+/-0.007 χ^2/NDF:2300564.6/61

All: 61.327+/-0.005 χ^2/NDF: 3699236.6/116



Right In: 4.432+/-40.962 χ^2/NDF: 34.1/31

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 95.748+/-43.111 χ^2/NDF: 98.3/36

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

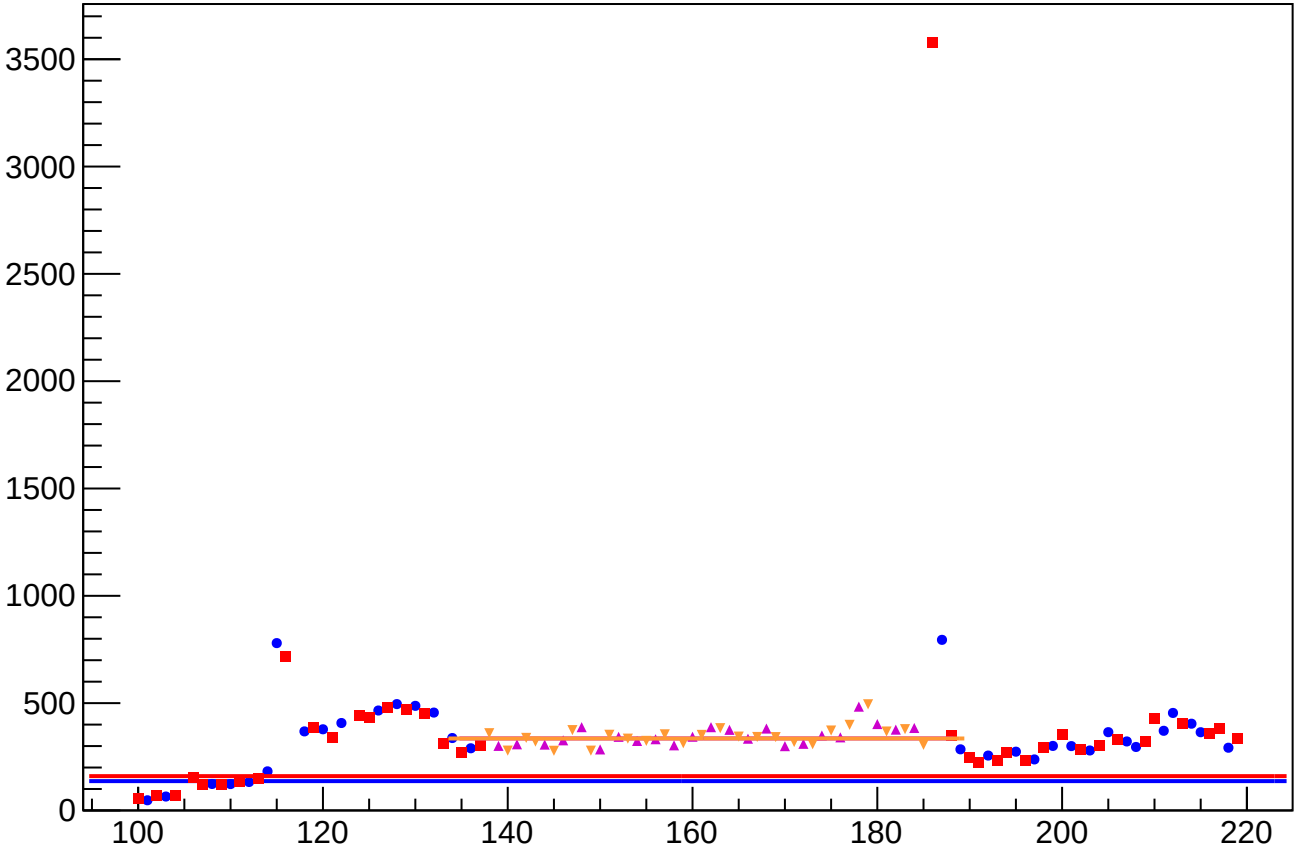
Right: 47.757+/-29.695 χ^2/NDF: 134.7/68

In: 11.181+/-36.385 χ^2/NDF:65.3/54

Out: 26.254+/-37.627 χ^2/NDF:129.8/61

All: 18.464+/-26.156 χ^2/NDF: 195.2/116

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 136.676+/-0.029 χ^2/NDF: 17022704.2/31

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 159.890+/-0.030 χ^2/NDF: 14813115.4/36

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

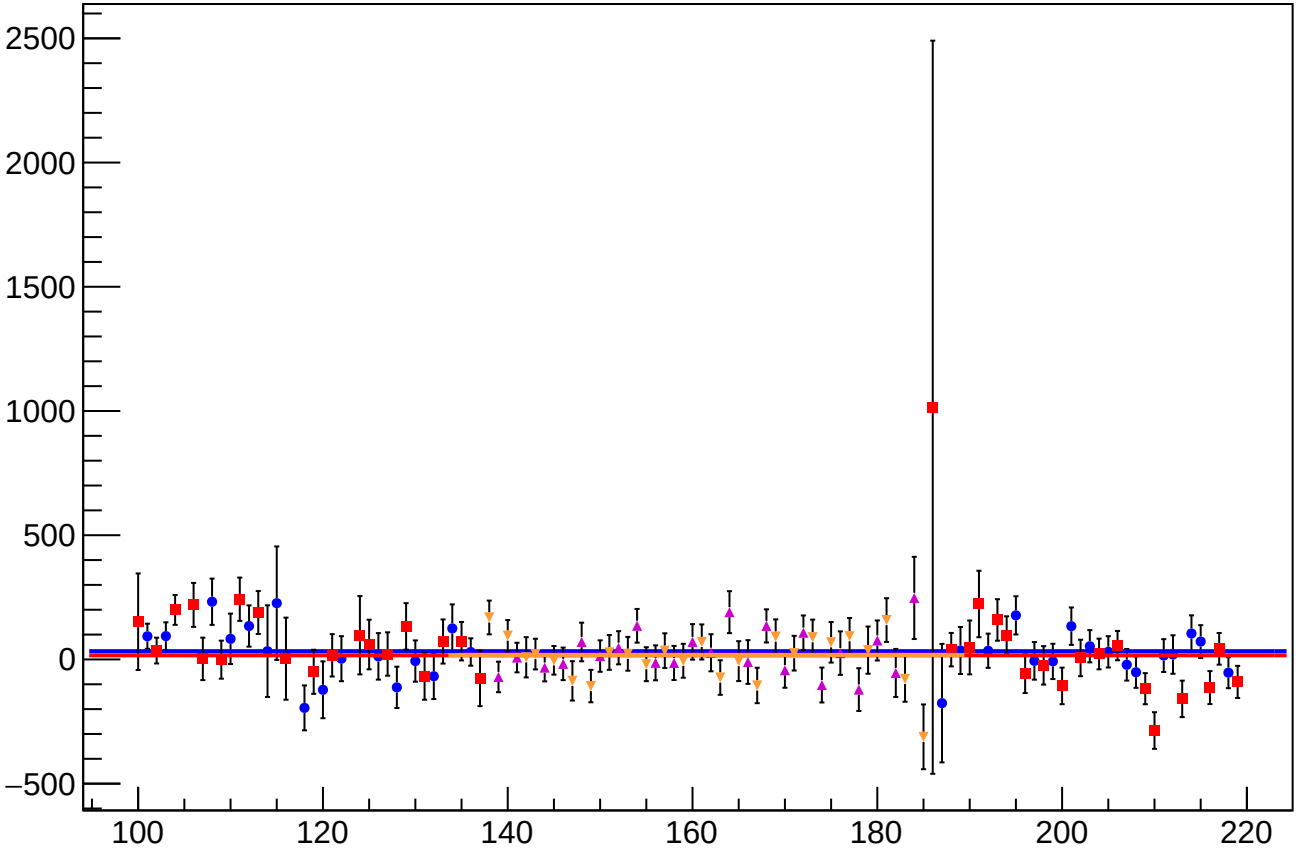
Right: 147.690+/-0.021 χ^2/NDF: 32140573.1/68

In: 178.634+/-0.026 χ^2/NDF:27462706.6/54

Out: 201.673+/-0.027 χ^2/NDF:23262539.7/61

All: 189.767+/-0.018 χ^2/NDF: 51112753.3/11

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 33.282+/-13.461 χ^2/NDF: 36.0/31

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 16.495+/-13.109 χ^2/NDF: 76.3/36

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

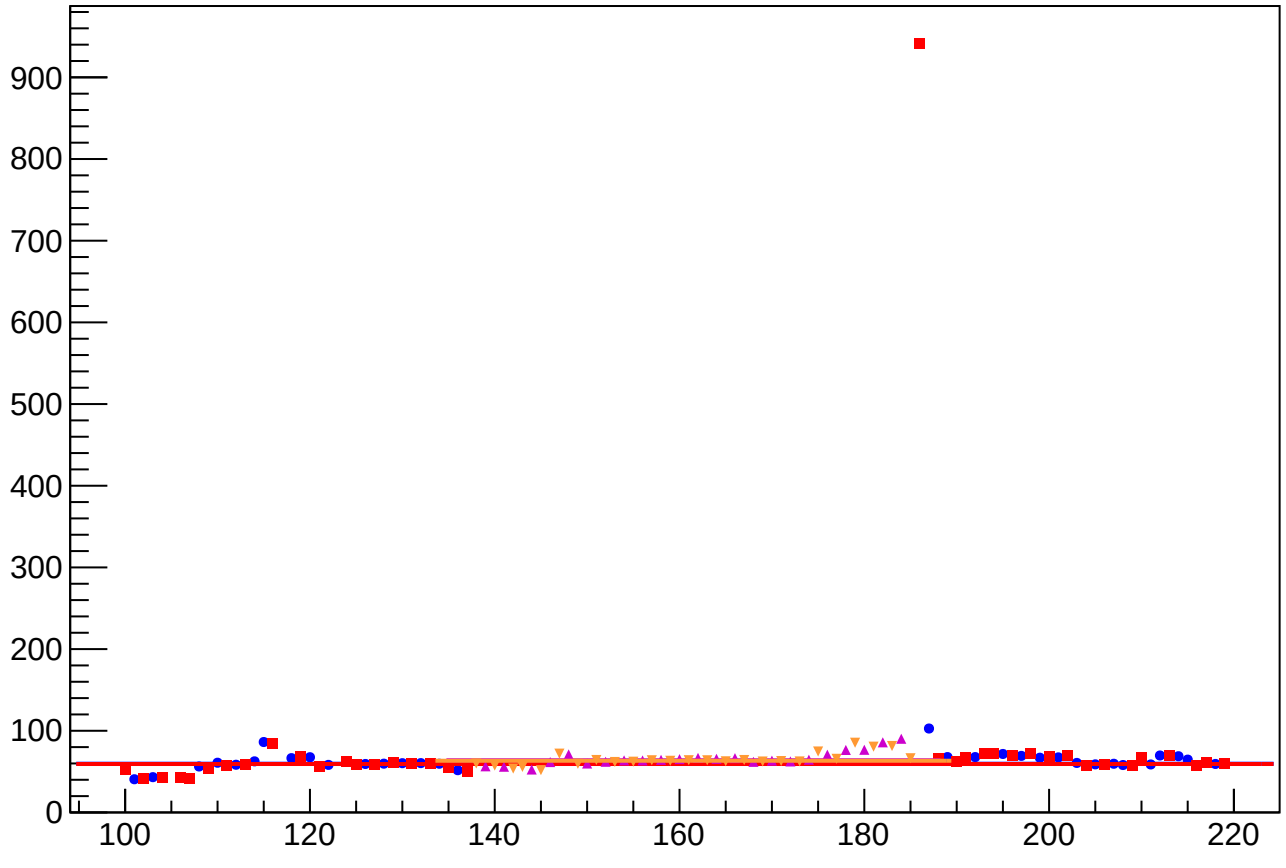
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 24.667+/-9.391 χ^2/NDF: 113.2/68

In: 27.216+/-10.030 χ^2/NDF:62.7/54

Out: 17.084+/-9.723 χ^2/NDF:107.9/61

All: 21.992+/-6.981 χ^2/NDF: 171.2/116



Right In: 59.664+/-0.010 χ^2/NDF: 862486.7/31

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.311+/-0.009 χ^2/NDF: 1719762.8/36

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

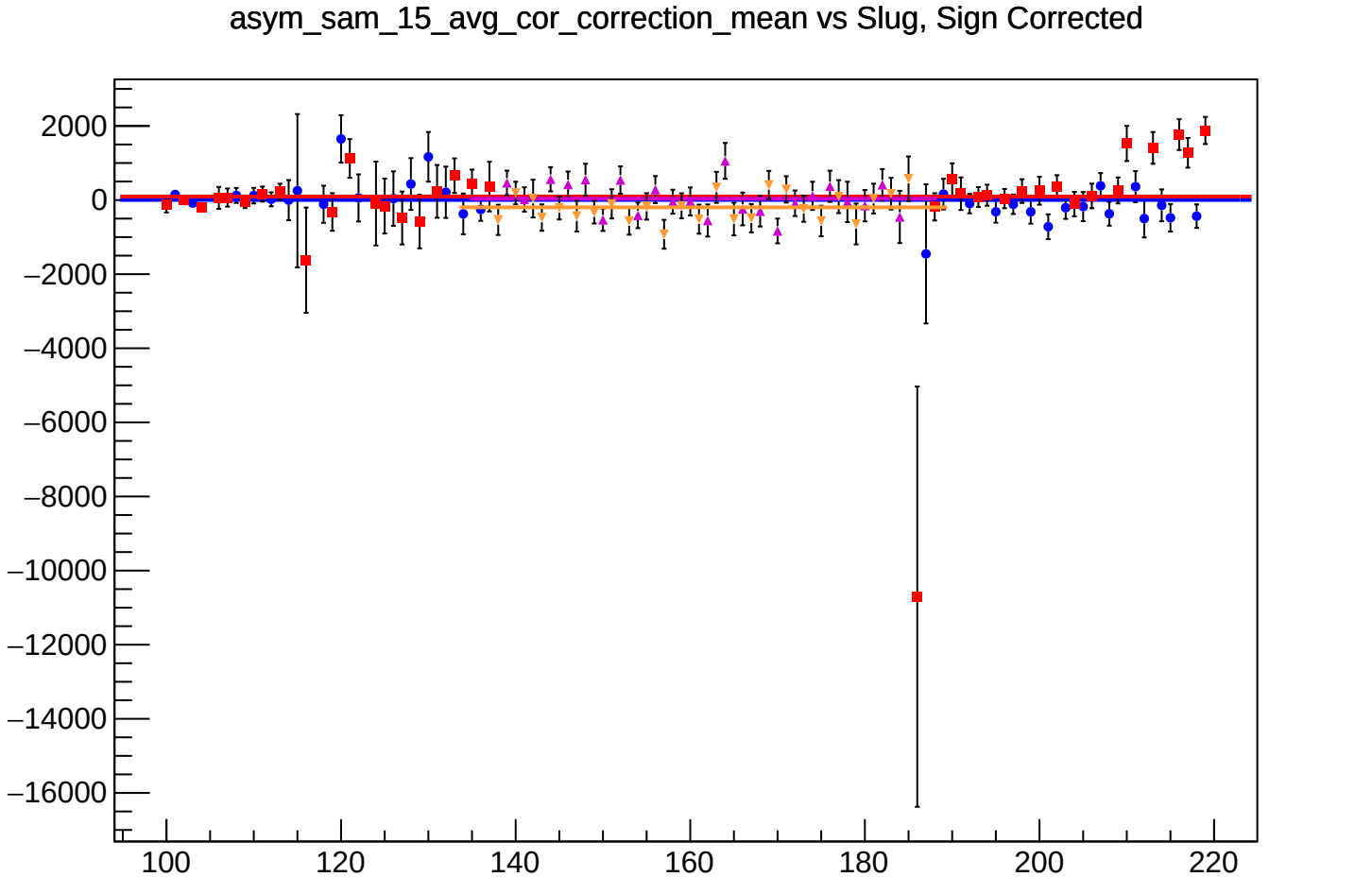
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 59.483+/-0.007 χ^2/NDF: 2582953.0/68

In: 61.556+/-0.007 χ^2/NDF:1396648.3/54

Out: 61.112+/-0.007 χ^2/NDF:2301011.9/61

All: 61.327+/-0.005 χ^2/NDF: 3699685.0/116



Right In: 4.437+/-40.962 χ^2/NDF: 34.1/31

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 95.920+/-43.084 χ^2/NDF: 98.2/36

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

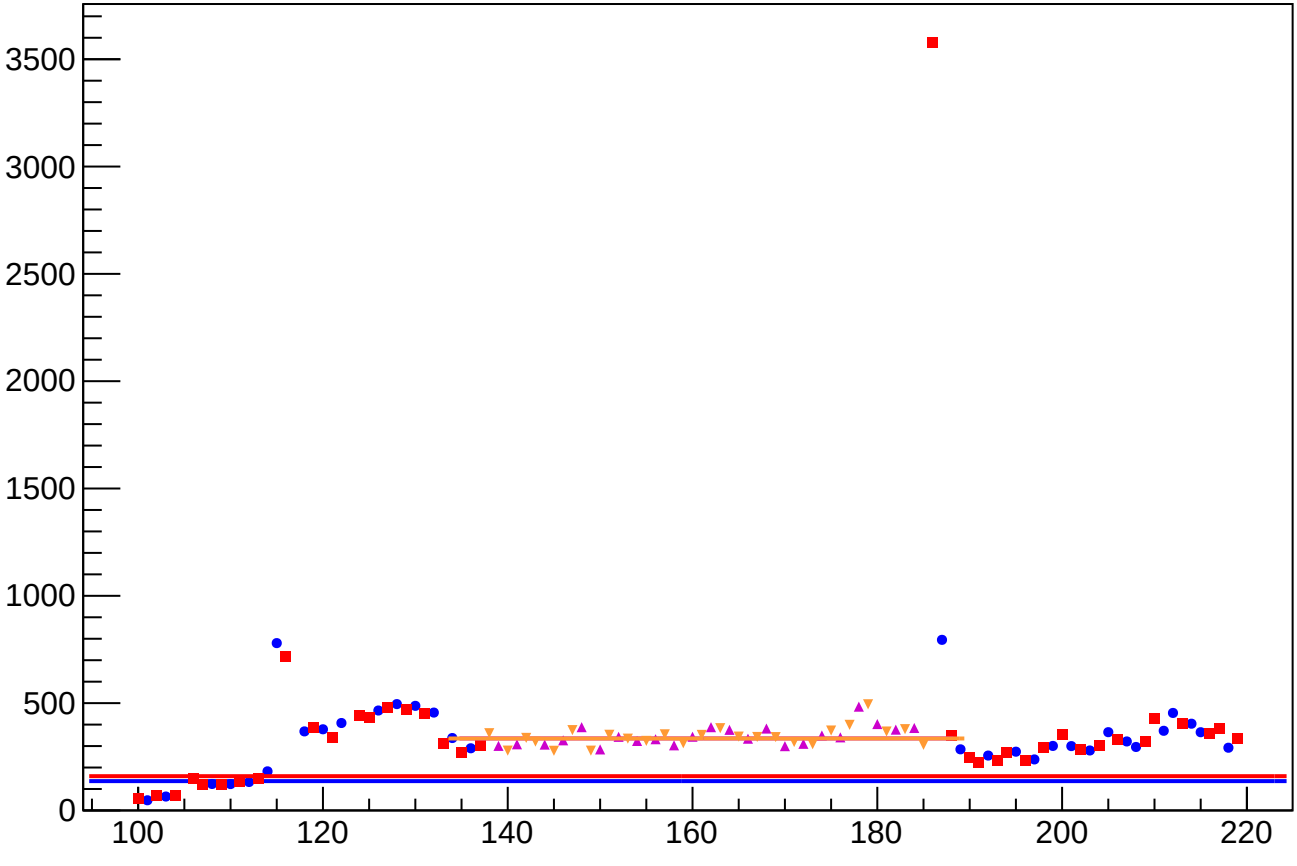
Right: 47.869+/-29.686 χ^2/NDF: 134.7/68

In: 11.184+/-36.385 χ^2/NDF:65.3/54

Out: 26.452+/-37.609 χ^2/NDF:129.8/61

All: 18.565+/-26.150 χ^2/NDF: 195.2/116

asym_sam_15_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 136.673+/-0.029 χ^2/NDF: 17023107.0/31

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 159.694+/-0.030 χ^2/NDF: 14823253.4/36

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

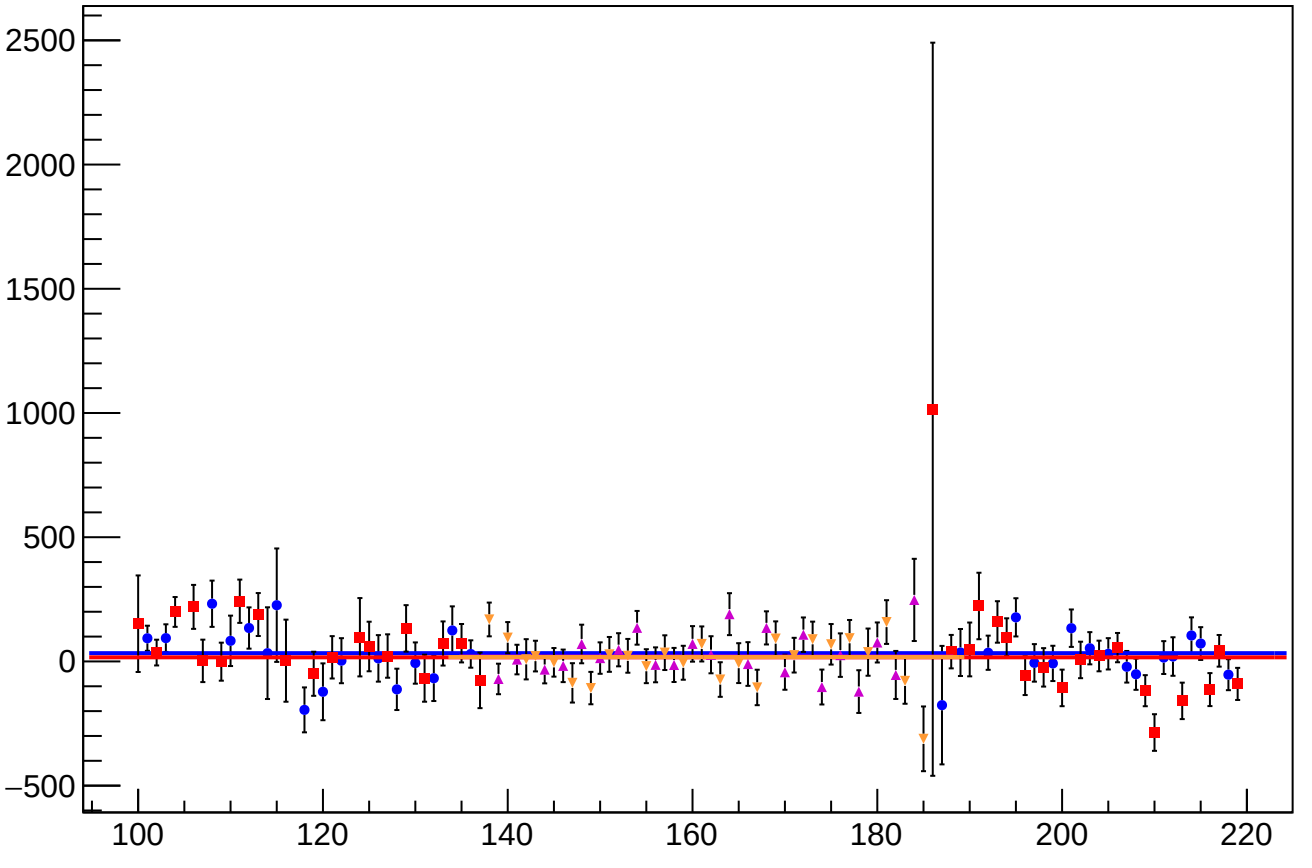
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 147.602+/-0.021 χ^2/NDF: 32146293.9/68

In: 178.630+/-0.026 χ^2/NDF:27463537.9/54

Out: 201.484+/-0.027 χ^2/NDF:23292643.5/61

All: 189.679+/-0.018 χ^2/NDF: 51137685.7/11



Right In: 33.282+/-13.461 χ^2/NDF: 36.0/31

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 16.495+/-13.109 χ^2/NDF: 76.3/36

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

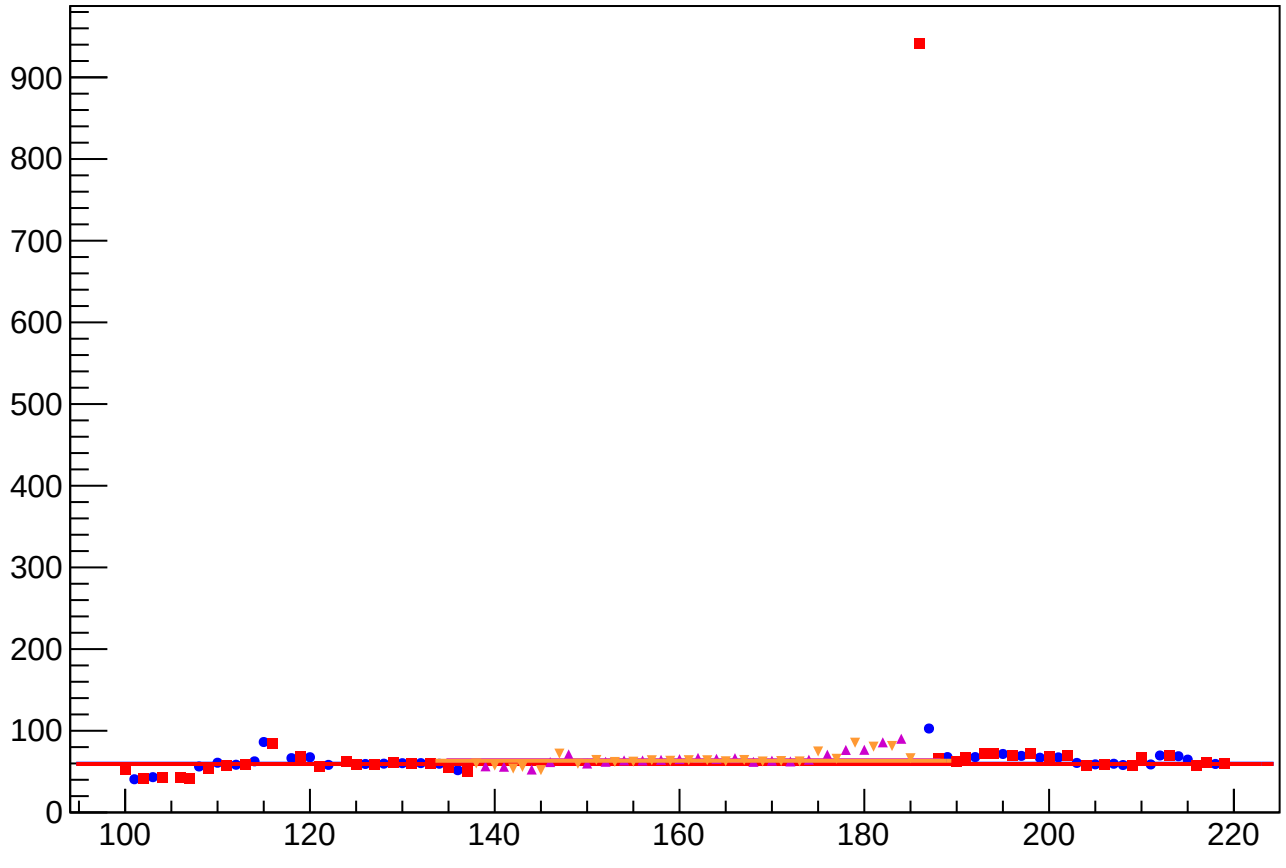
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 24.667+/-9.391 χ^2/NDF: 113.2/68

In: 27.216+/-10.030 χ^2/NDF:62.7/54

Out: 17.084+/-9.723 χ^2/NDF:107.9/61

All: 21.992+/-6.981 χ^2/NDF: 171.2/116



Right In: 59.664+/-0.010 χ^2/NDF: 862486.7/31

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.311+/-0.009 χ^2/NDF: 1719762.8/36

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

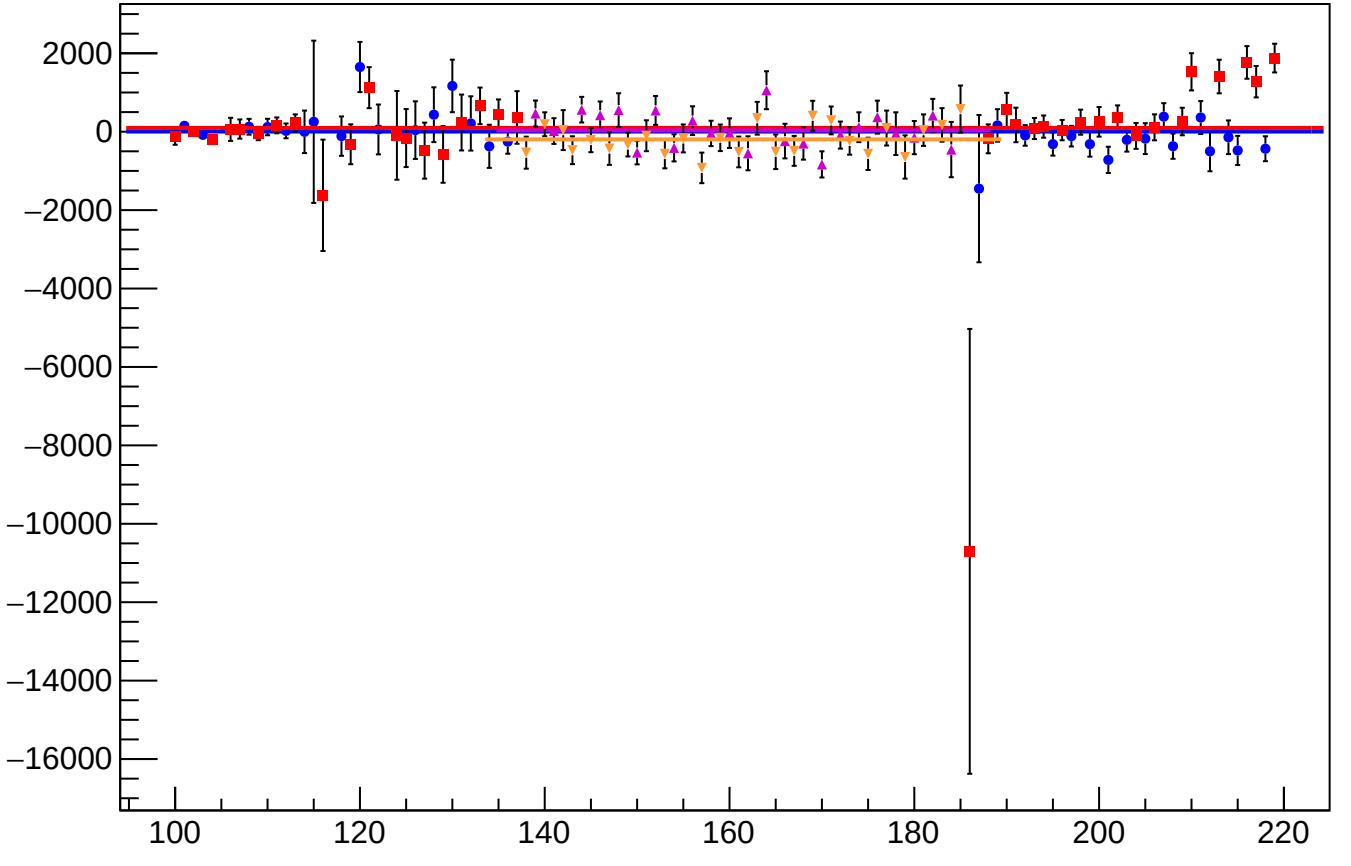
Right: 59.483+/-0.007 χ^2/NDF: 2582953.0/68

In: 61.556+/-0.007 χ^2/NDF:1396648.3/54

Out: 61.112+/-0.007 χ^2/NDF:2301011.9/61

All: 61.327+/-0.005 χ^2/NDF: 3699685.0/116

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 4.437+/-40.962 χ^2/NDF: 34.1/31

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 95.920+/-43.084 χ^2/NDF: 98.2/36

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

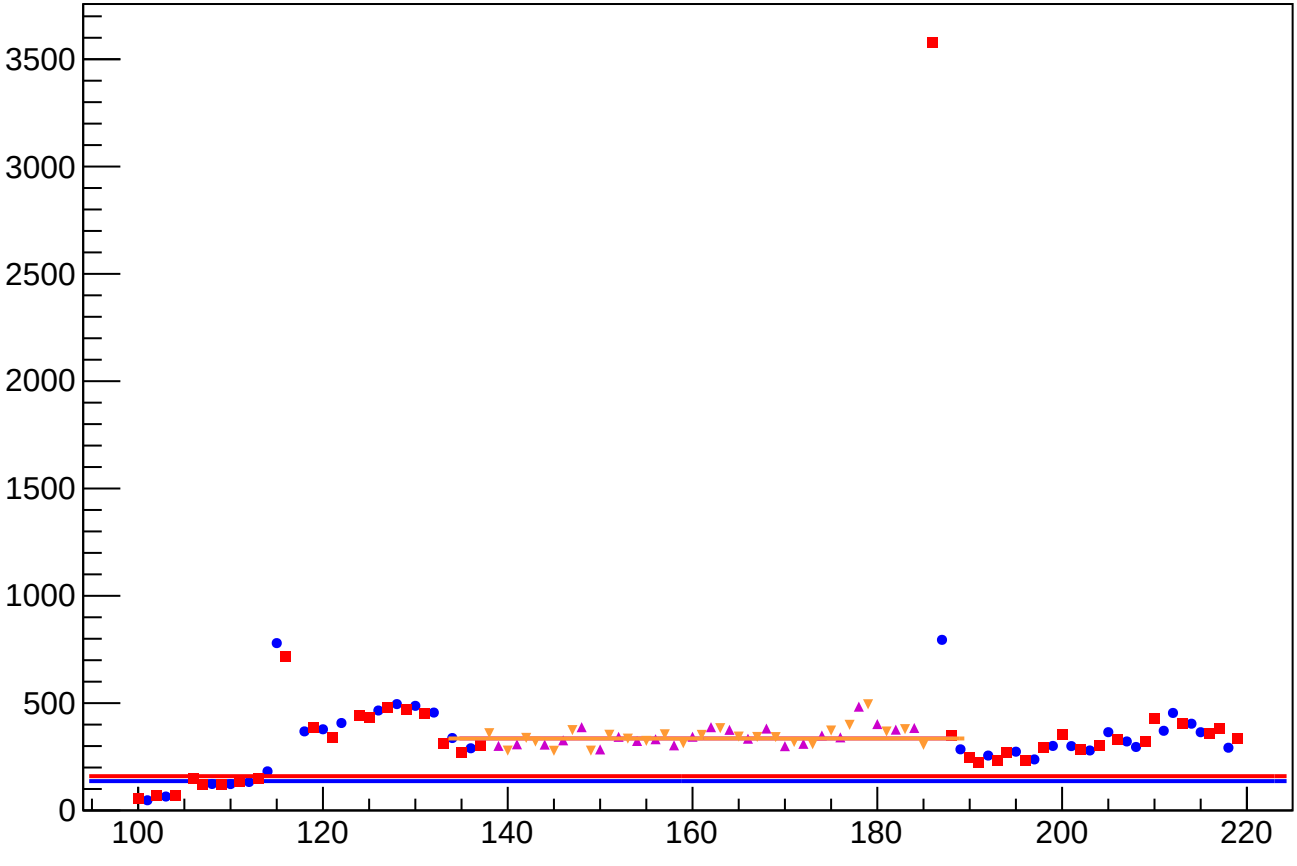
Right: 47.869+/-29.686 χ^2/NDF: 134.7/68

In: 11.184+/-36.385 χ^2/NDF:65.3/54

Out: 26.452+/-37.609 χ^2/NDF:129.8/61

All: 18.565+/-26.150 χ^2/NDF: 195.2/116

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 136.673+/-0.029 χ^2/NDF: 17023107.0/31

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 159.694+/-0.030 χ^2/NDF: 14823253.4/36

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

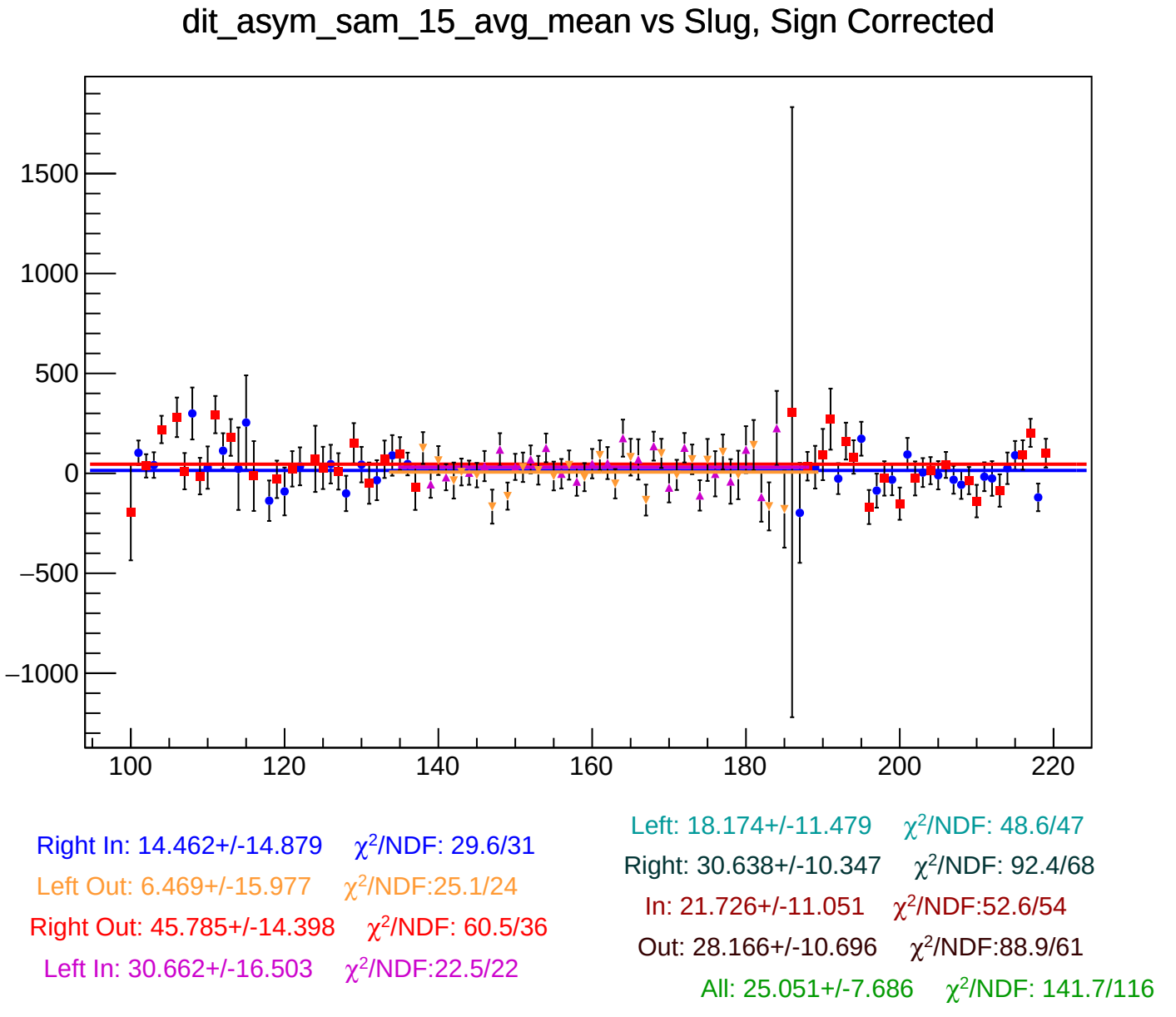
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

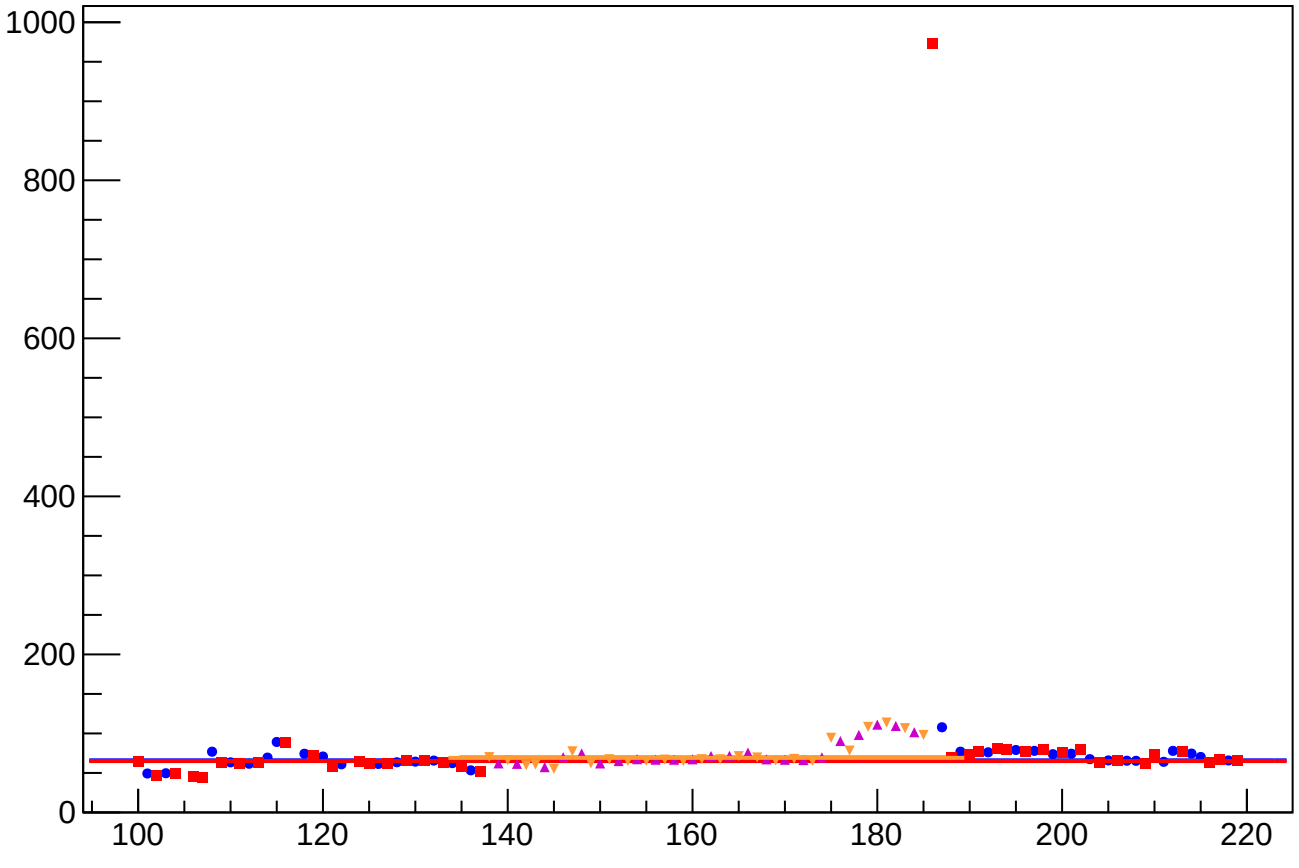
Right: 147.602+/-0.021 χ^2/NDF: 32146293.9/68

In: 178.630+/-0.026 χ^2/NDF:27463537.9/54

Out: 201.484+/-0.027 χ^2/NDF:23292643.5/61

All: 189.679+/-0.018 χ^2/NDF: 51137685.7/11


dit_asym_sam_15_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: 14.462+/-14.879 χ²/NDF: 29.6/31
Left Out: 6.469+/-15.977 χ²/NDF:25.1/24
Right Out: 45.785+/-14.398 χ²/NDF: 60.5/36
Left In: 30.662+/-16.503 χ²/NDF:22.5/22
Left: 18.174+/-11.479 χ²/NDF: 48.6/47
Right: 30.638+/-10.347 χ²/NDF: 92.4/68
In: 21.726+/-11.051 χ²/NDF:52.6/54
Out: 28.166+/-10.696 χ²/NDF:88.9/61
All: 25.051+/-7.686 χ²/NDF: 141.7/116



Right In: 65.962+/-0.011 χ^2/NDF: 757672.1/31

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 65.045+/-0.010 χ^2/NDF: 1712576.2/36

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

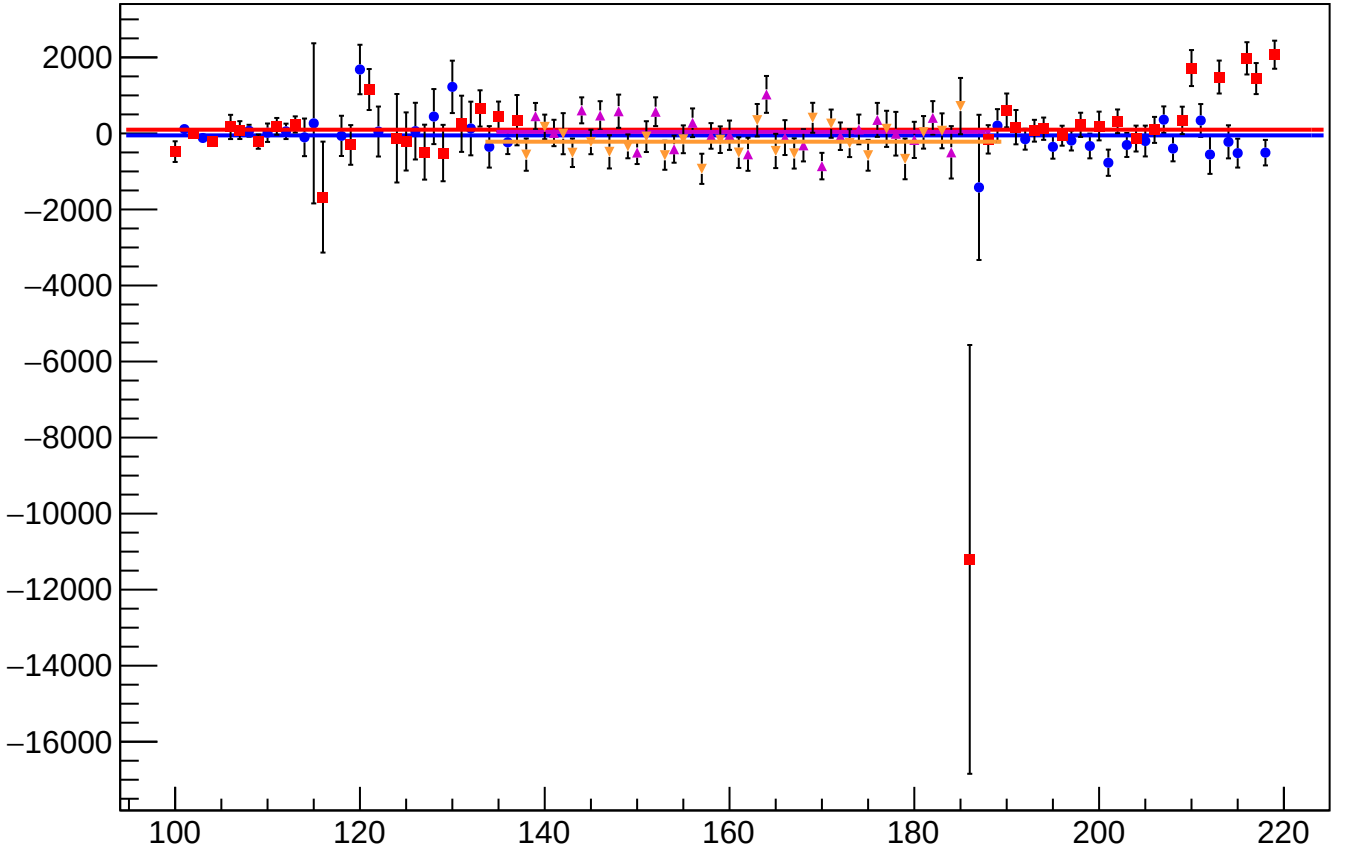
Right: 65.488+/-0.007 χ^2/NDF: 2474170.3/68

In: 67.520+/-0.008 χ^2/NDF:1731177.2/54

Out: 66.853+/-0.008 χ^2/NDF:2856917.5/61

All: 67.175+/-0.005 χ^2/NDF: 4591858.4/116

asym_sam_15_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -51.686+/-45.963 χ^2/NDF: 32.3/31

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 98.234+/-45.203 χ^2/NDF: 117.3/36

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

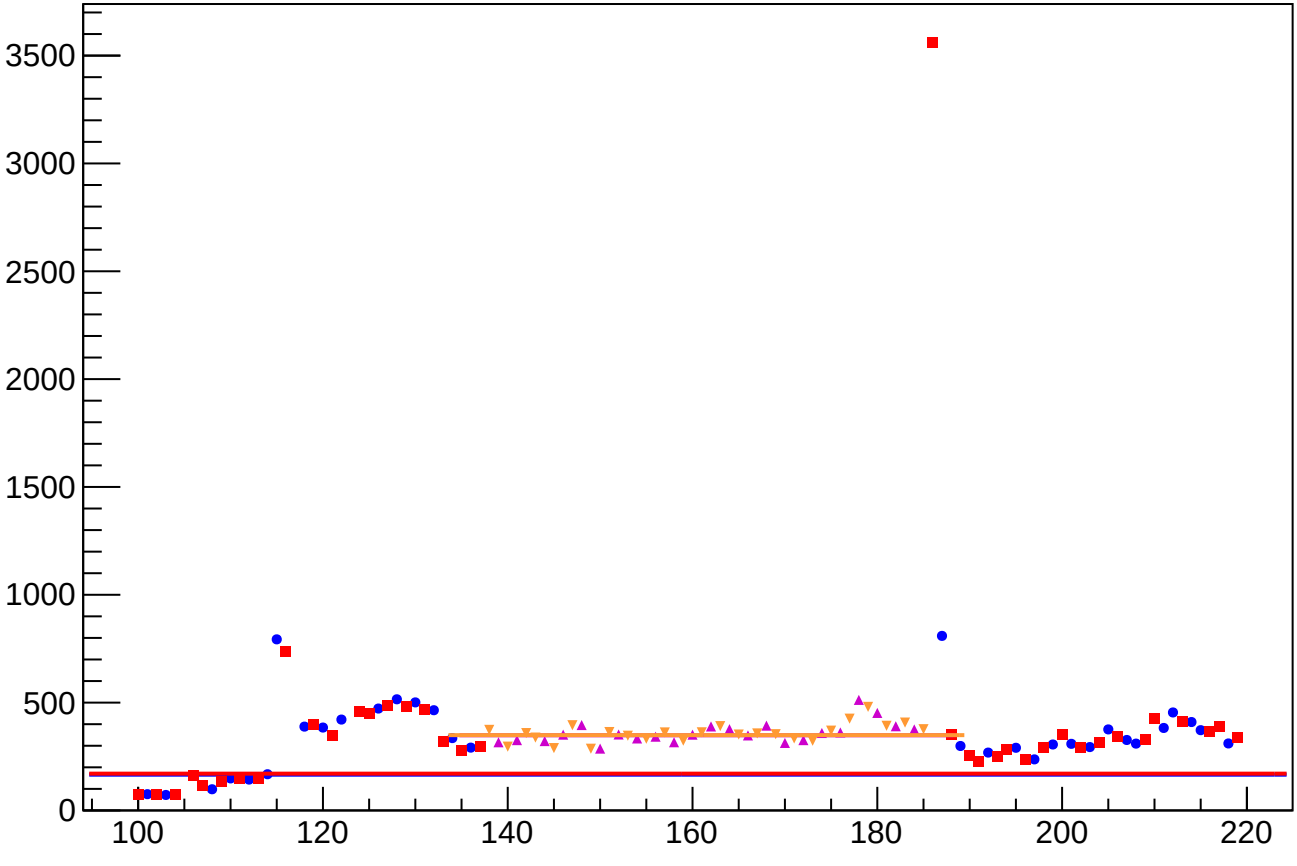
Right: 24.525+/-32.229 χ^2/NDF: 154.9/68

In: -29.510+/-40.124 χ^2/NDF:63.2/54

Out: 22.055+/-39.371 χ^2/NDF:148.4/61

All: -3.239+/-28.102 χ^2/NDF: 212.4/116

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 165.861+/-0.033 χ^2/NDF: 13841894.3/31

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 170.638+/-0.032 χ^2/NDF: 13987283.1/36

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

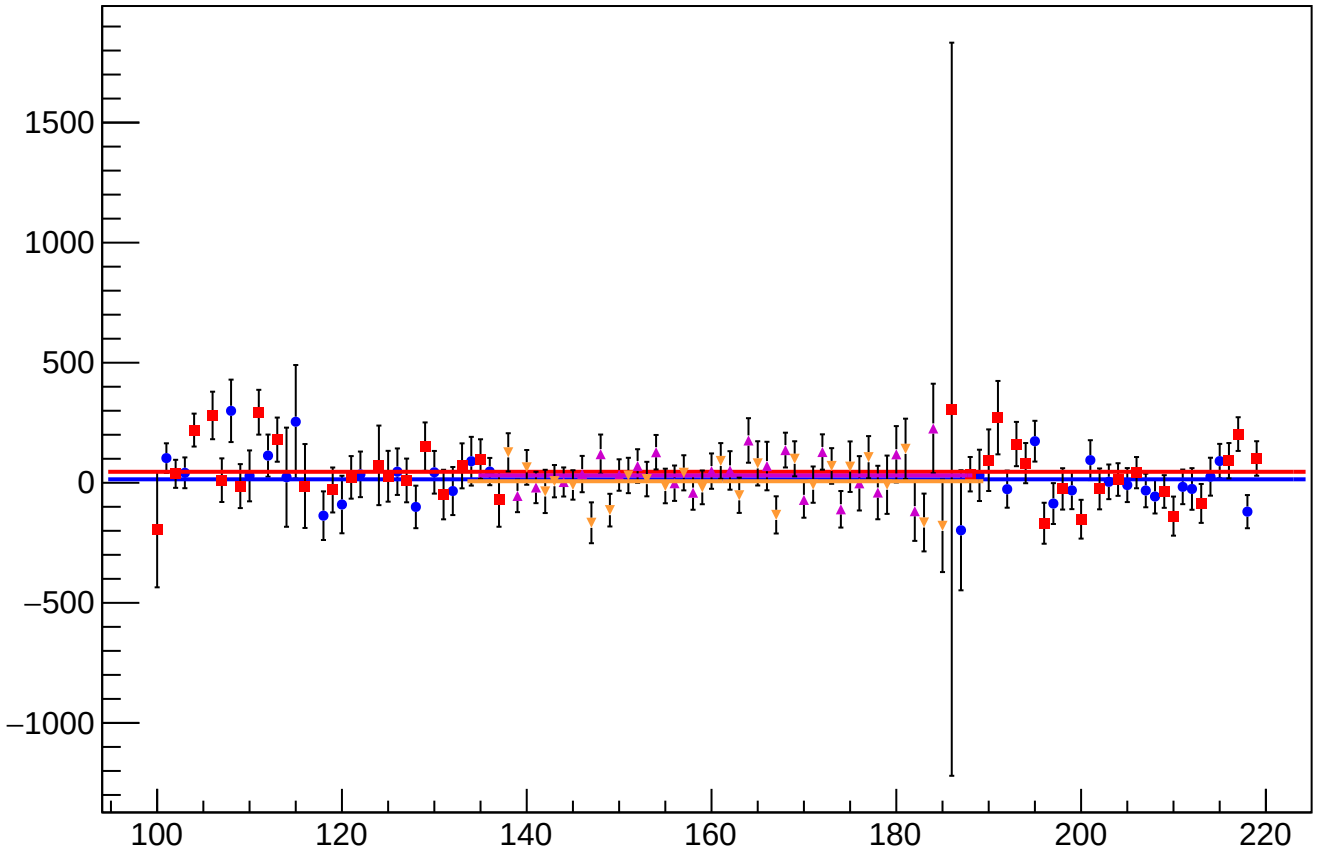
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 168.289+/-0.023 χ^2/NDF: 27840158.4/68

In: 209.333+/-0.028 χ^2/NDF:21886482.9/54

Out: 213.735+/-0.028 χ^2/NDF:22042978.6/61

All: 211.576+/-0.020 χ^2/NDF: 43941727.4/11



Right In: 14.462+/-14.879 χ^2/NDF: 29.6/31

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 45.784+/-14.398 χ^2/NDF: 60.5/36

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

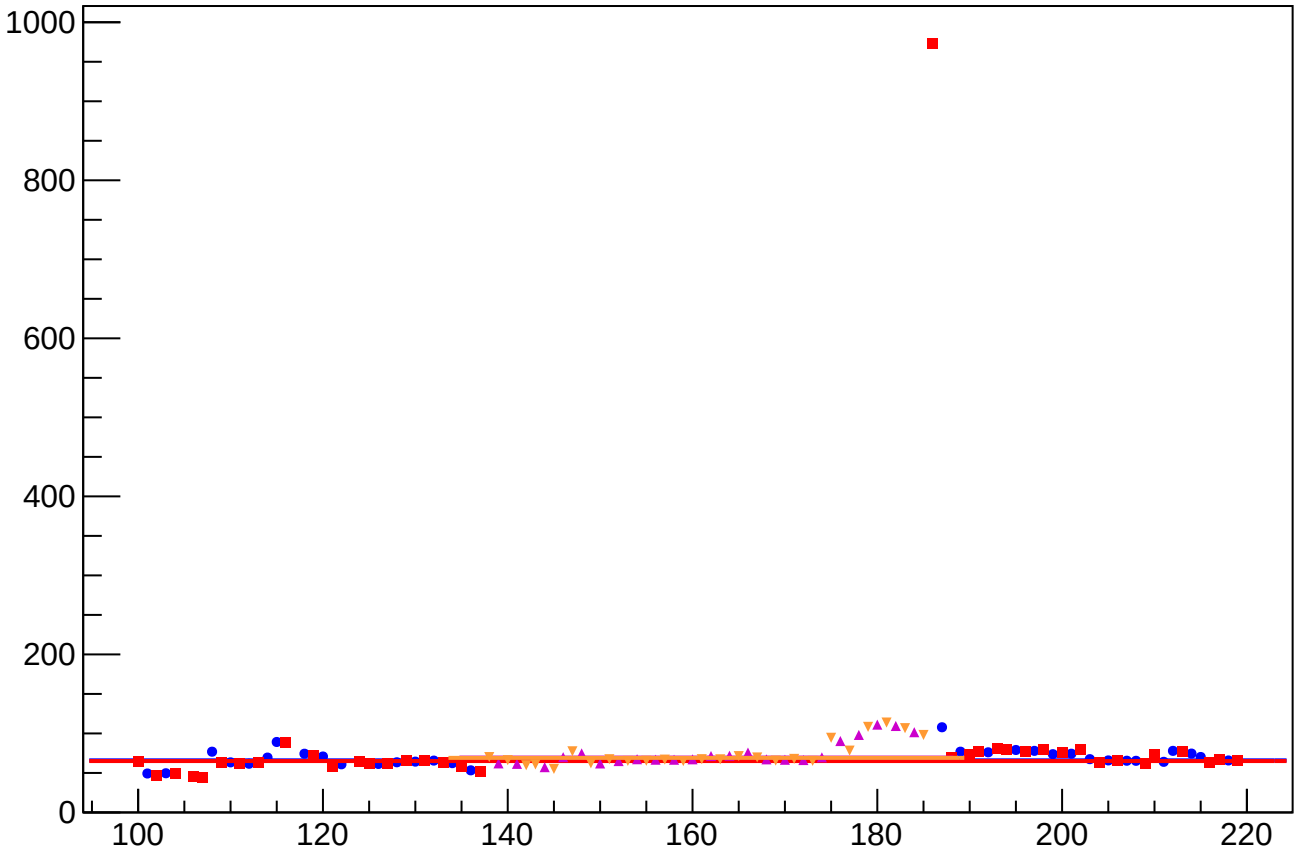
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 30.638+/-10.347 χ^2/NDF: 92.4/68

In: 21.726+/-11.051 χ^2/NDF:52.6/54

Out: 28.165+/-10.696 χ^2/NDF:88.9/61

All: 25.051+/-7.686 χ^2/NDF: 141.7/116



Right In: 65.962+/-0.011 χ^2/NDF: 757670.0/31

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 65.045+/-0.010 χ^2/NDF: 1712574.7/36

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

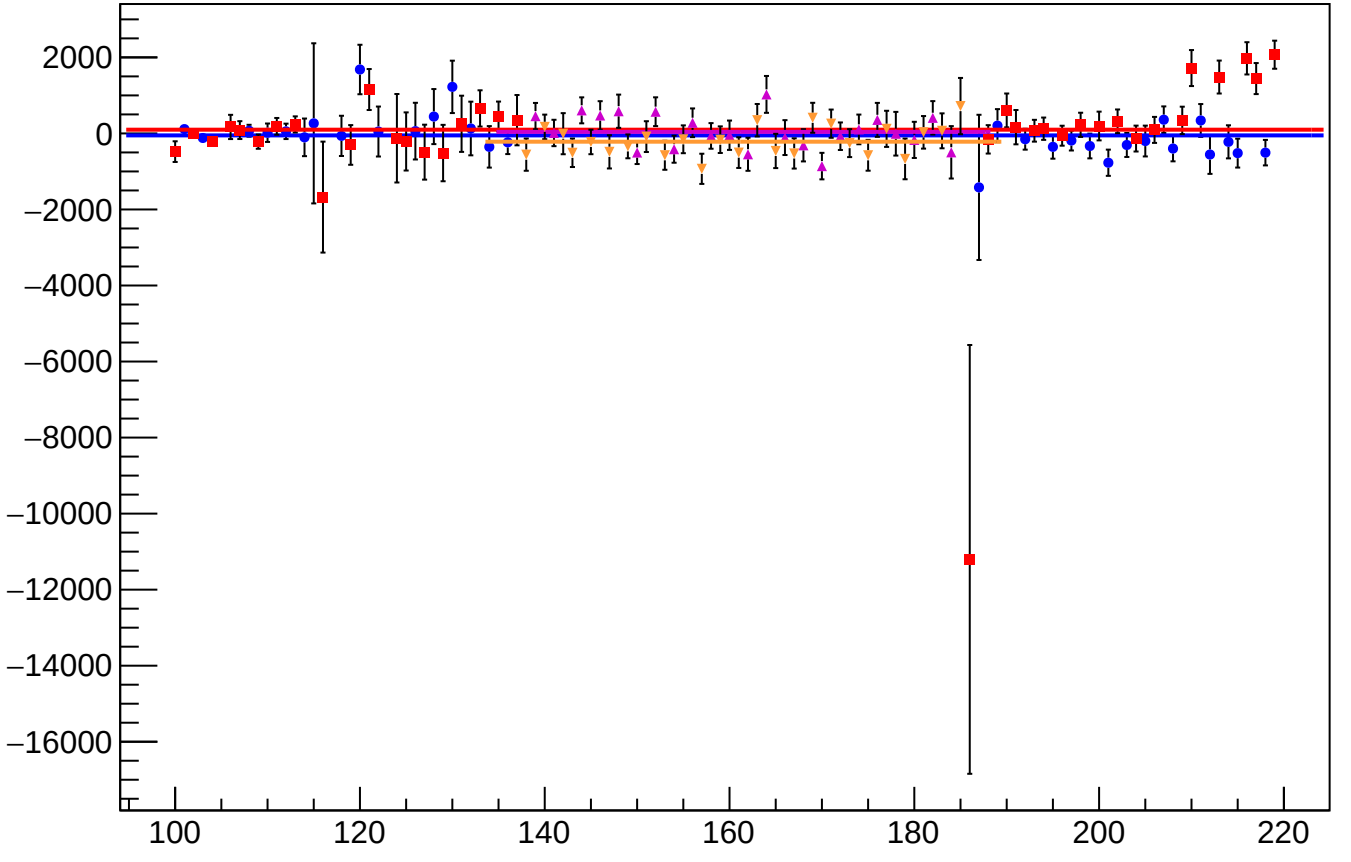
Right: 65.488+/-0.007 χ^2/NDF: 2474166.9/68

In: 67.520+/-0.008 χ^2/NDF:1731165.7/54

Out: 66.853+/-0.008 χ^2/NDF:2856904.5/61

All: 67.175+/-0.005 χ^2/NDF: 4591834.3/116

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -51.686+/-45.963 χ^2/NDF: 32.3/31

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: 98.233+/-45.203 χ^2/NDF: 117.3/36

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

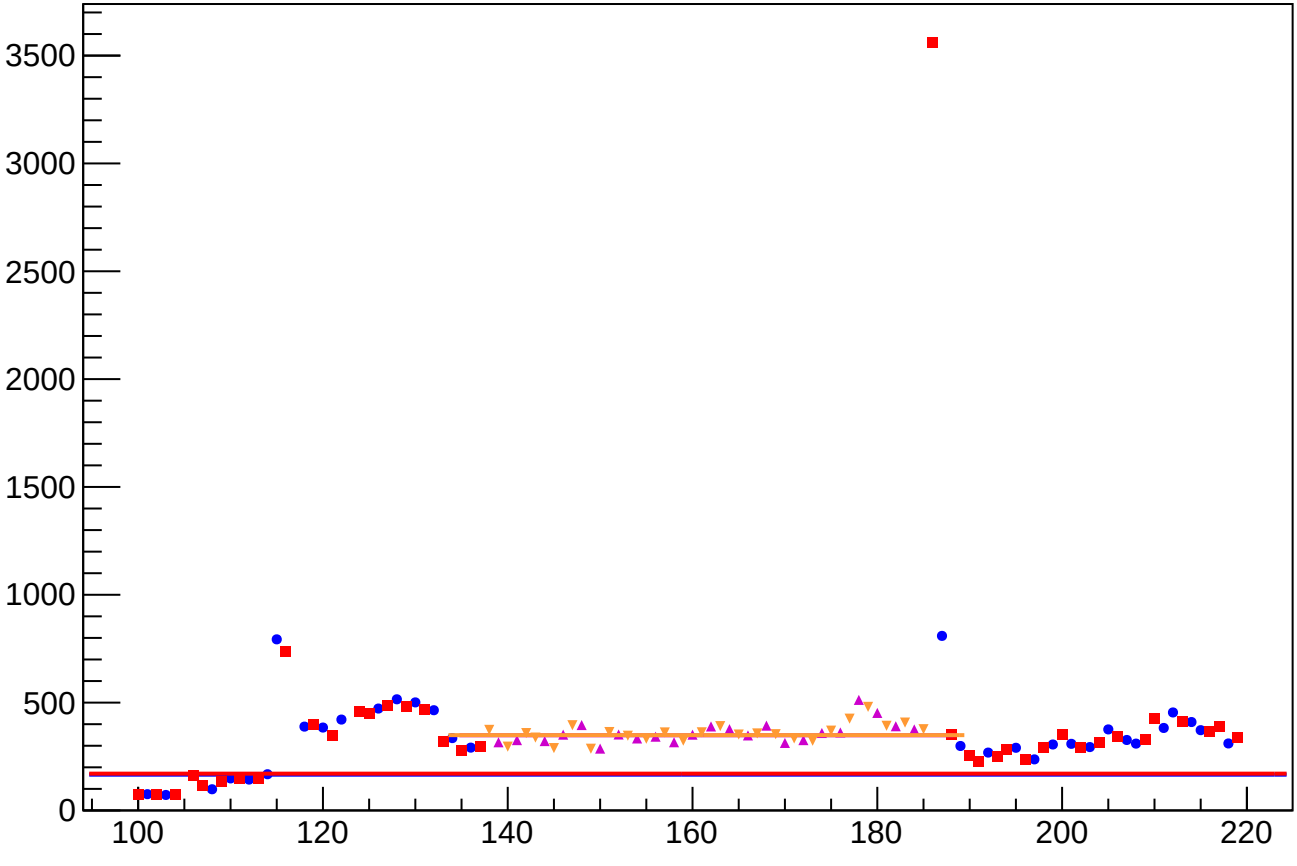
Right: 24.525+/-32.229 χ^2/NDF: 154.9/68

In: -29.510+/-40.124 χ^2/NDF:63.2/54

Out: 22.055+/-39.371 χ^2/NDF:148.4/61

All: -3.239+/-28.102 χ^2/NDF: 212.4/116

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 165.861+/-0.033 χ^2/NDF: 13841912.1/31

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 170.637+/-0.032 χ^2/NDF: 13987325.6/36

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

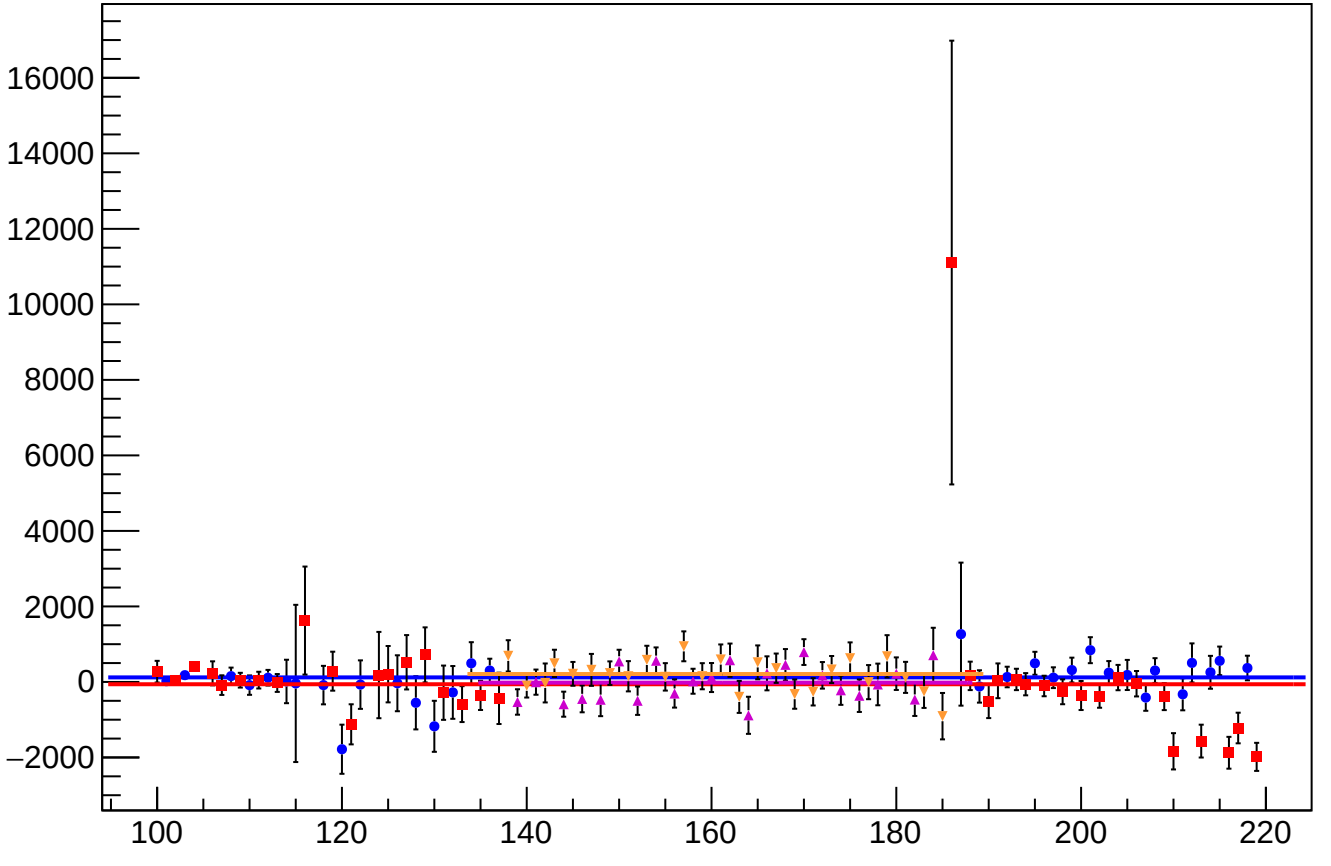
Right: 168.289+/-0.023 χ^2/NDF: 27840218.2/68

In: 209.333+/-0.028 χ^2/NDF:21886556.9/54

Out: 213.735+/-0.028 χ^2/NDF:22043085.9/61

All: 211.576+/-0.020 χ^2/NDF: 43941908.0/1

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 120.556+/-49.271 χ^2/NDF: 30.0/31

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -60.918+/-48.068 χ^2/NDF: 118.3/36

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

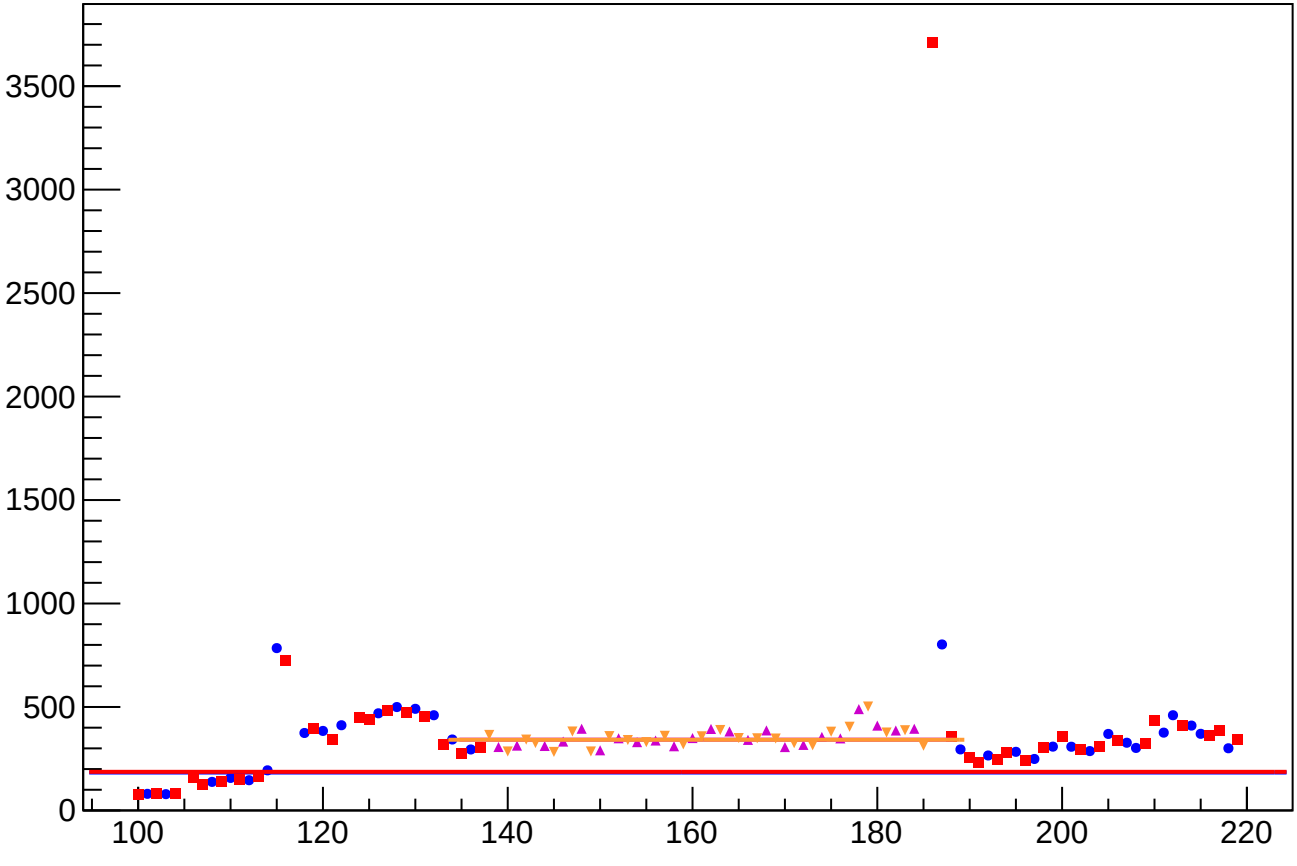
Right: 27.577+/-34.407 χ^2/NDF: 155.3/68

In: 82.731+/-42.053 χ^2/NDF:64.2/54

Out: 12.898+/-40.995 χ^2/NDF:148.4/61

All: 46.925+/-29.355 χ^2/NDF: 214.0/116

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 183.280+/-0.035 χ^2/NDF: 12042606.4/31

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 186.674+/-0.034 χ^2/NDF: 12239118.8/36

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

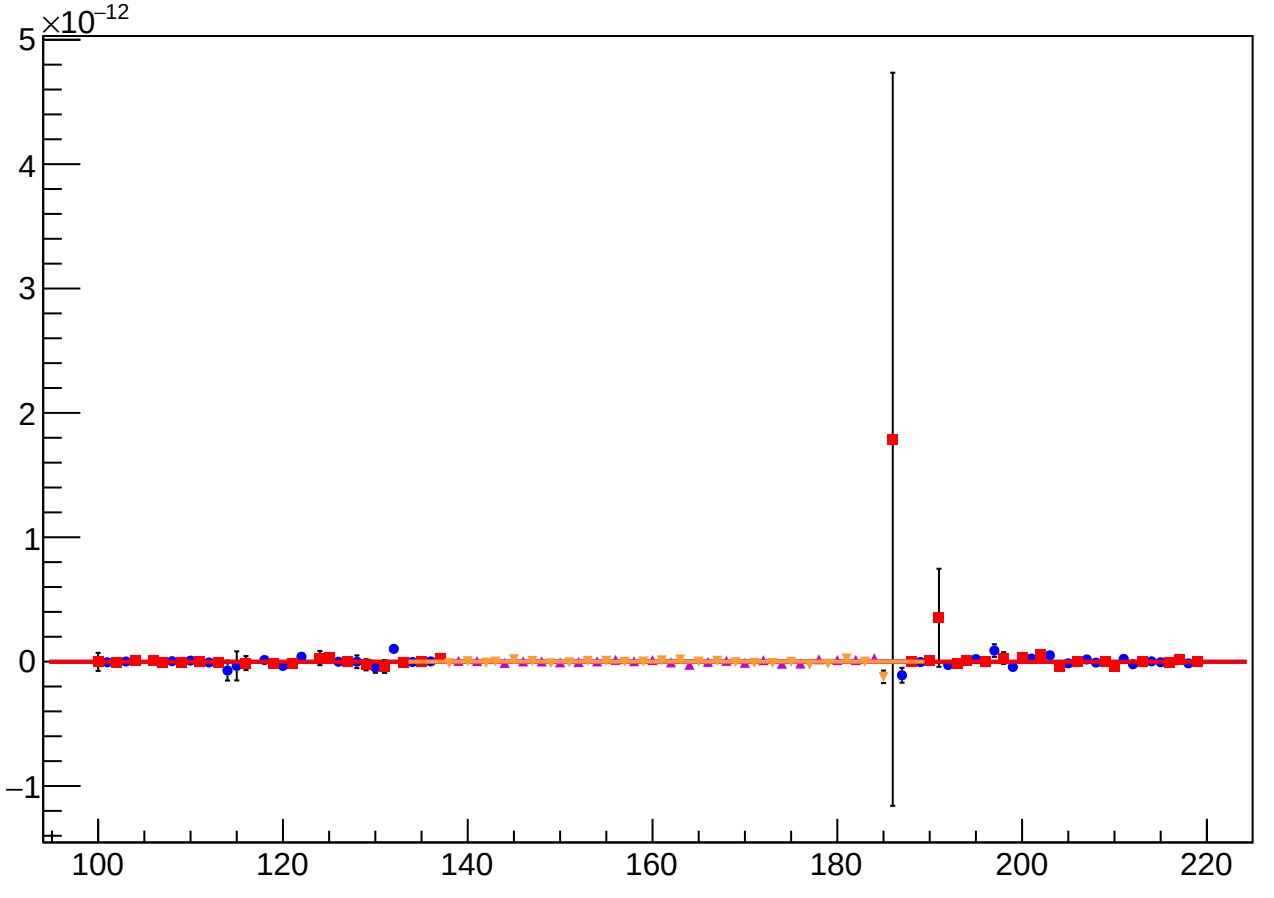
Right: 185.019+/-0.024 χ^2/NDF: 24286587.4/68

In: 226.365+/-0.030 χ^2/NDF:18159834.6/54

Out: 228.910+/-0.029 χ^2/NDF:18456741.1/61

All: 227.670+/-0.021 χ^2/NDF: 36620331.9/11

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 38.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/36

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.1/47

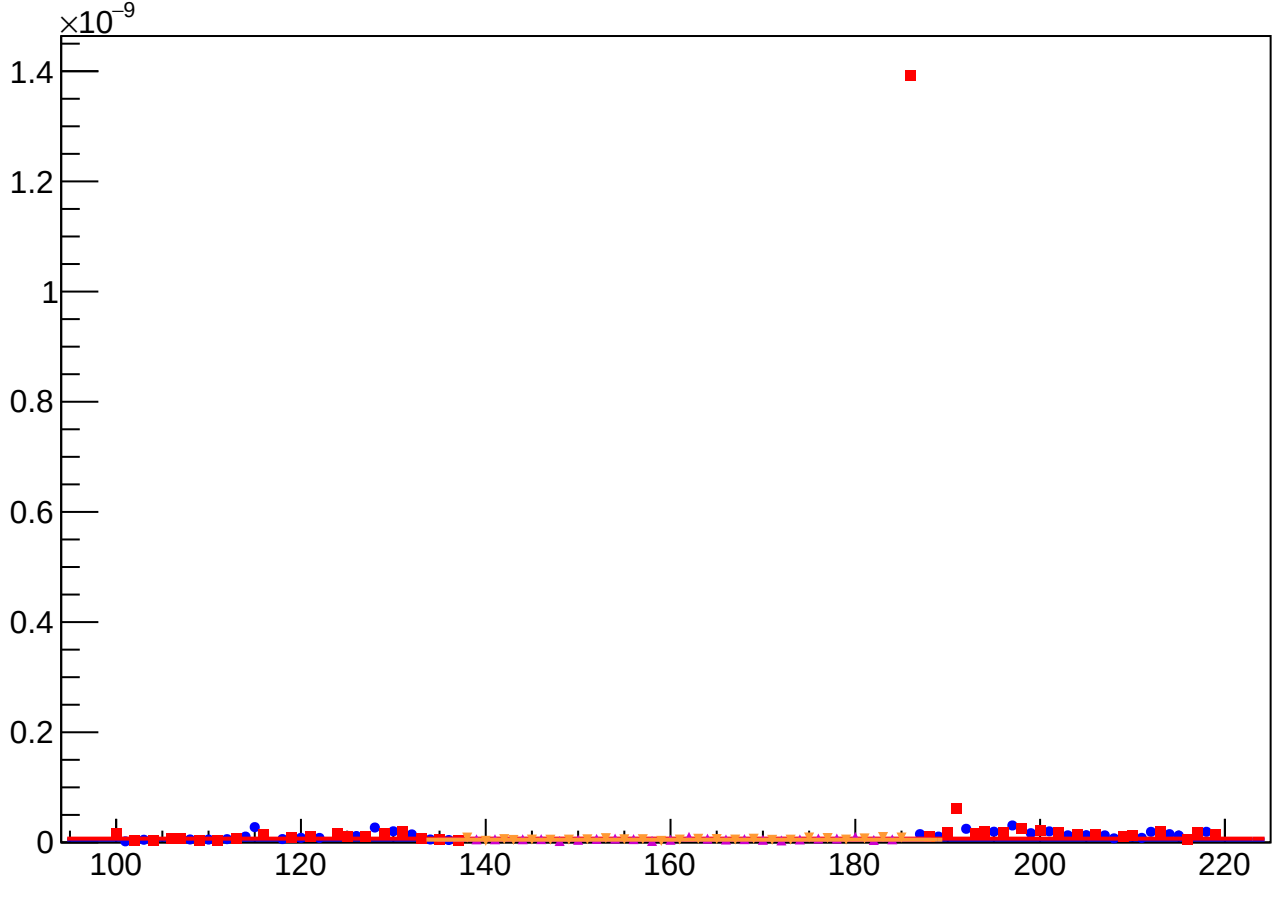
Right: -0.000+/-0.000 χ^2/NDF: 63.5/68

In: 0.000+/-0.000 χ^2/NDF:59.2/54

Out: -0.000+/-0.000 χ^2/NDF:54.0/61

All: 0.000+/-0.000 χ^2/NDF: 113.2/116

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7826146.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6203560.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

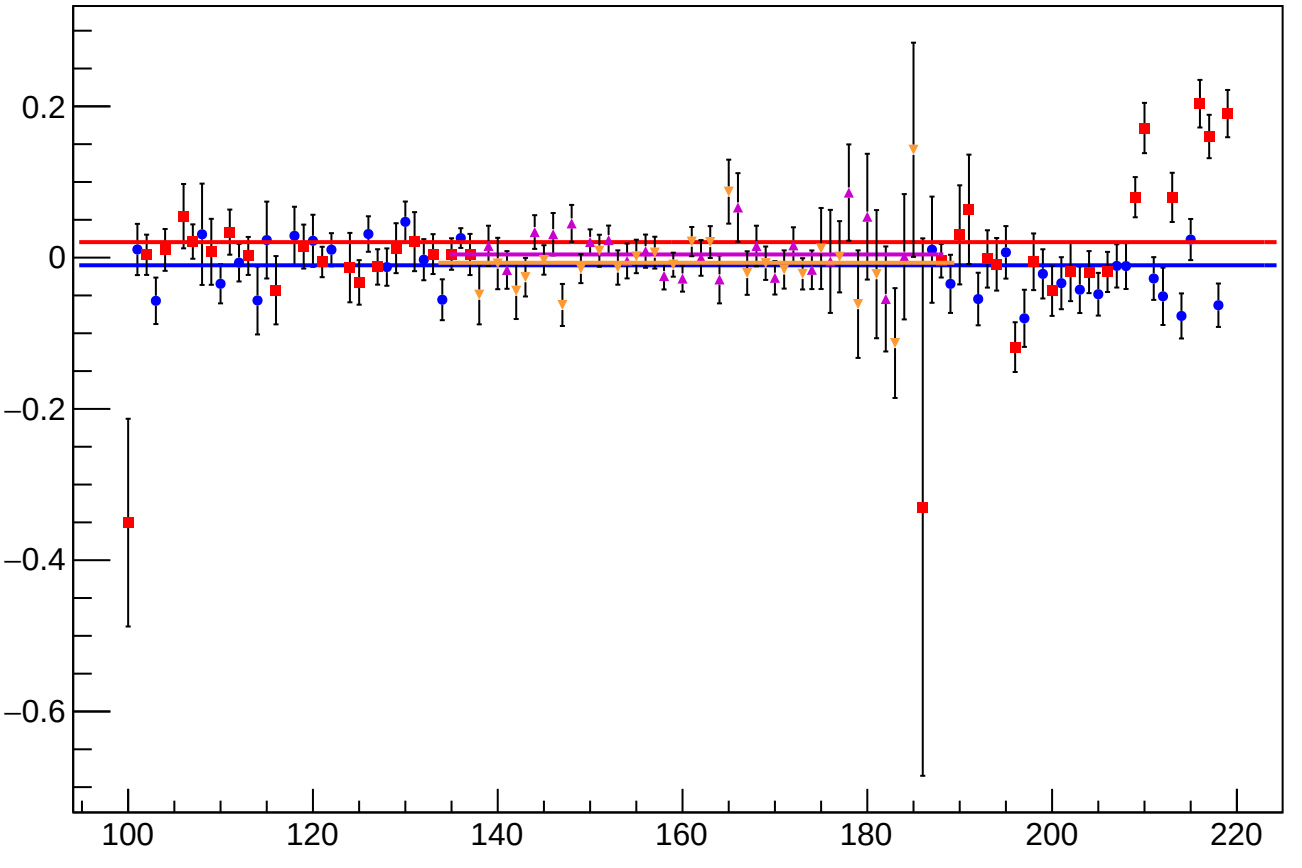
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 14492062.6/68

In: 0.000+/-0.000 χ^2/NDF:9059931.2/54

Out: 0.000+/-0.000 χ^2/NDF:8104252.1/61

All: 0.000+/-0.000 χ^2/NDF: 17309306.7/116



Right In: -0.010+/-0.005 χ^2/NDF: 47.5/31

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.020+/-0.005 χ^2/NDF: 167.1/36

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

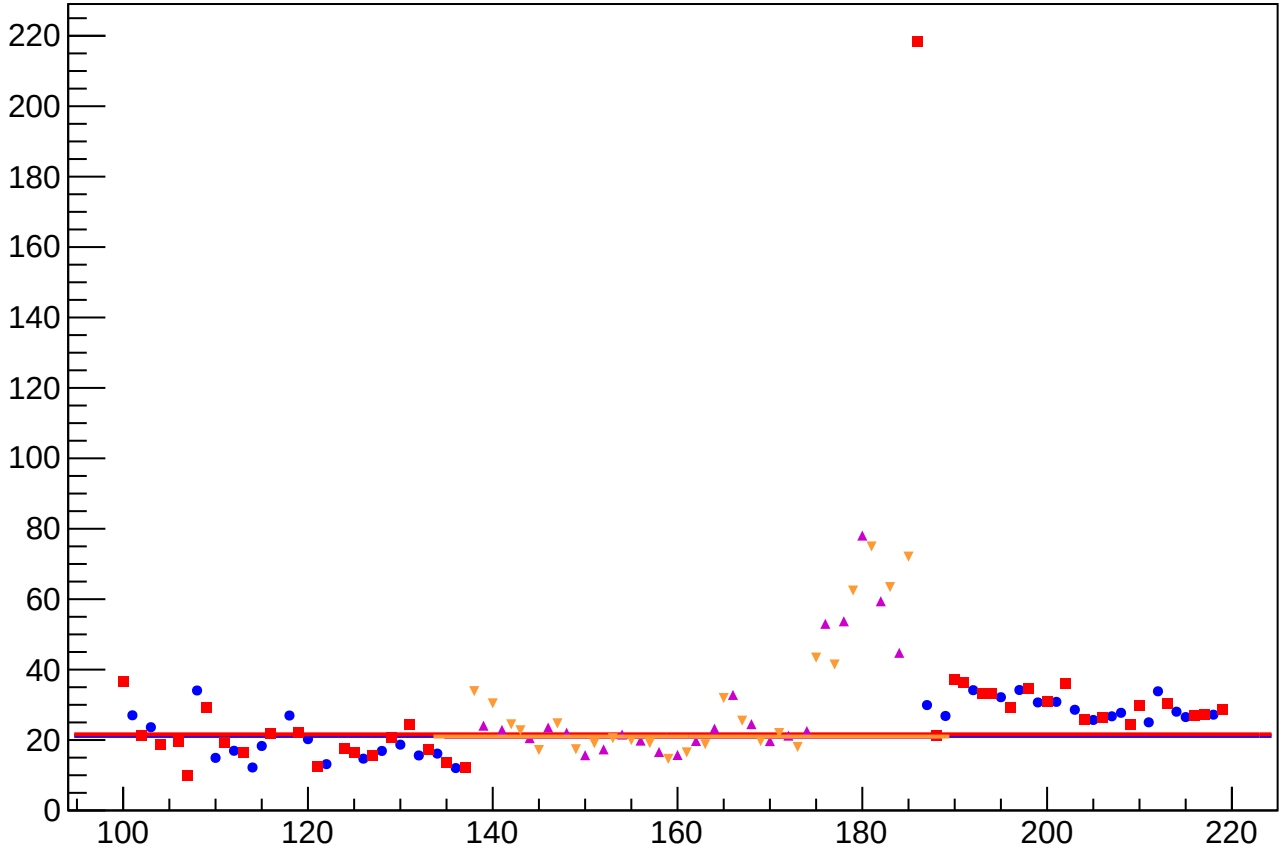
Right: 0.005+/-0.004 χ^2/NDF: 232.8/68

In: -0.003+/-0.004 χ^2/NDF:74.4/54

Out: 0.007+/-0.004 χ^2/NDF:203.0/61

All: 0.002+/-0.003 χ^2/NDF: 281.6/116

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.178+/-0.004 χ^2/NDF: 4074881.4/31

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 21.614+/-0.004 χ^2/NDF: 4574403.6/36

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

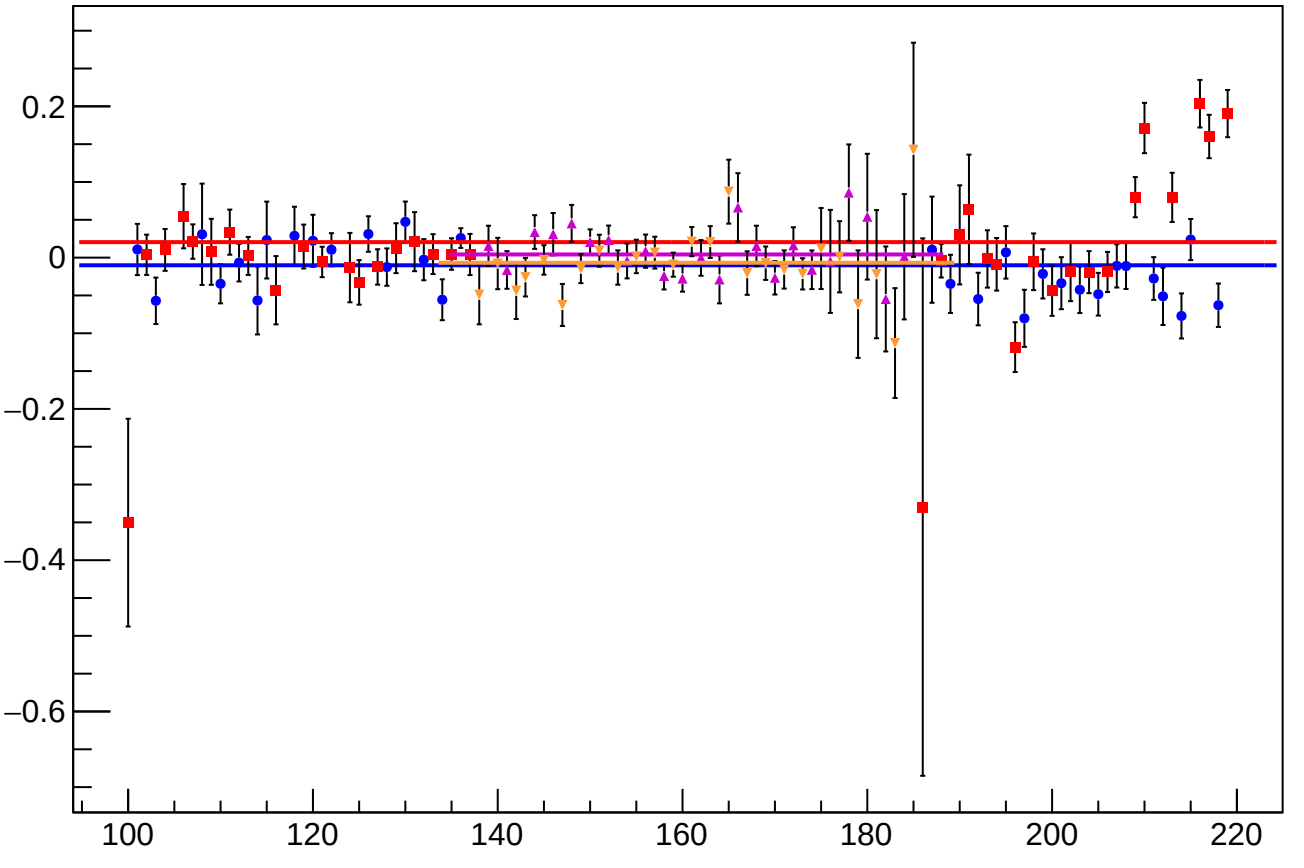
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 21.398+/-0.003 χ^2/NDF: 8656680.5/68

In: 21.029+/-0.003 χ^2/NDF:7613323.2/54

Out: 21.307+/-0.003 χ^2/NDF:9056664.6/61

All: 21.169+/-0.002 χ^2/NDF: 16675813.4/116



Right In: -0.010+/-0.005 χ^2/NDF: 47.5/31

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.020+/-0.005 χ^2/NDF: 167.1/36

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

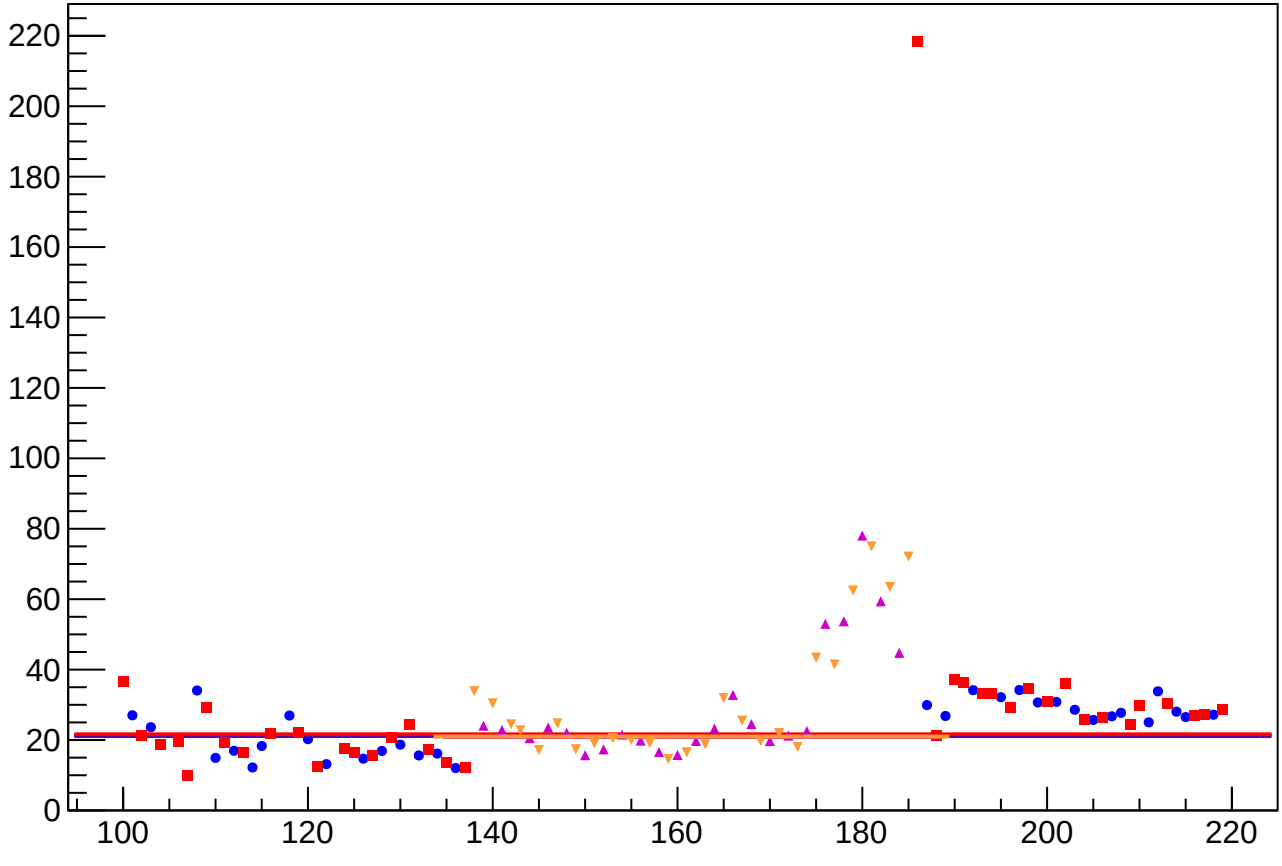
Right: 0.005+/-0.004 χ^2/NDF: 232.8/68

In: -0.003+/-0.004 χ^2/NDF:74.4/54

Out: 0.007+/-0.004 χ^2/NDF:203.0/61

All: 0.002+/-0.003 χ^2/NDF: 281.6/116

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.178+/-0.004 χ^2/NDF: 4074881.4/31

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 21.614+/-0.004 χ^2/NDF: 4574403.6/36

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

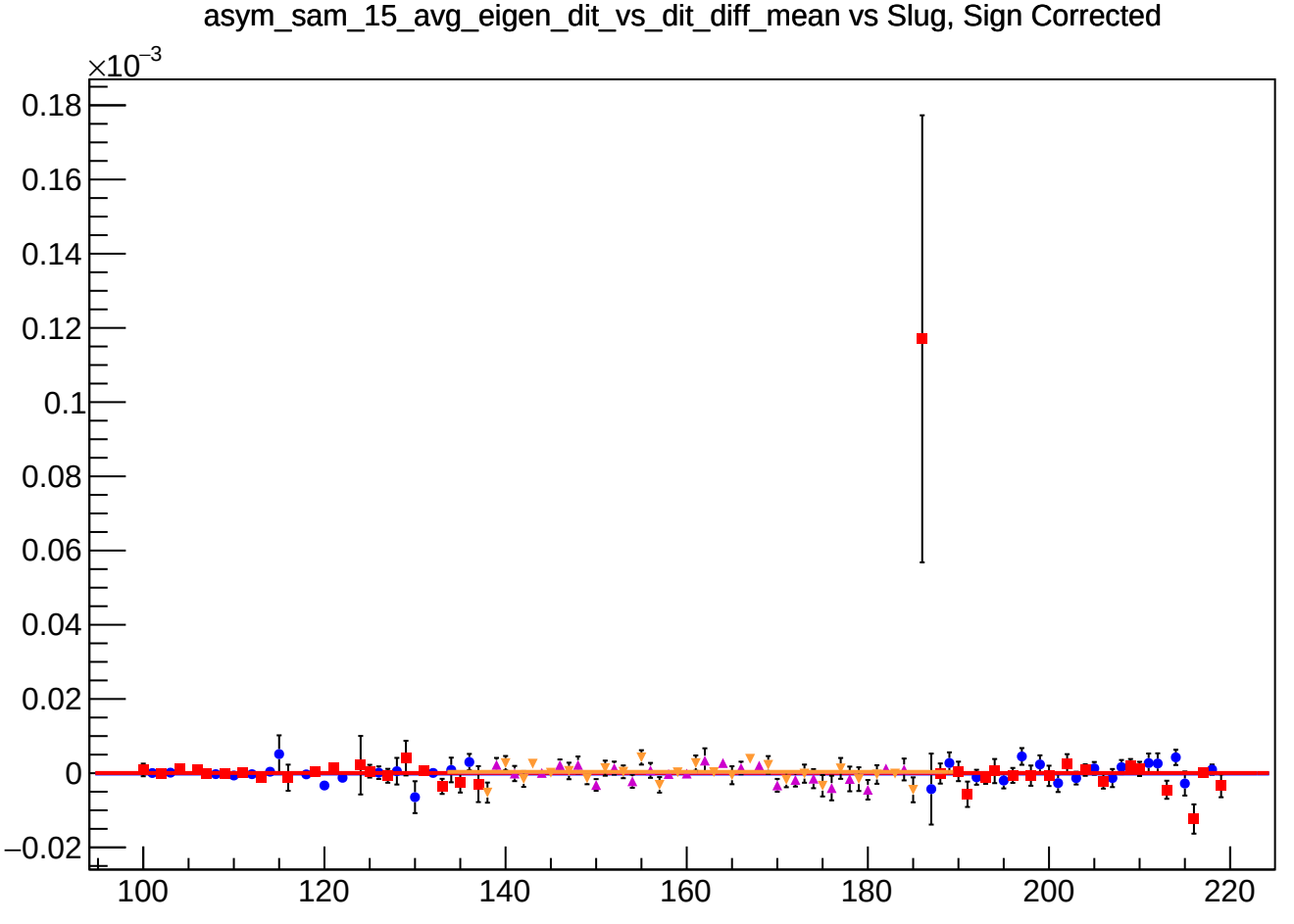
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 21.398+/-0.003 χ^2/NDF: 8656680.5/68

In: 21.029+/-0.003 χ^2/NDF:7613323.2/54

Out: 21.307+/-0.003 χ^2/NDF:9056664.6/61

All: 21.169+/-0.002 χ^2/NDF: 16675813.4/116



Right In: -0.000+/-0.000 χ^2/NDF: 33.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.2/36

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

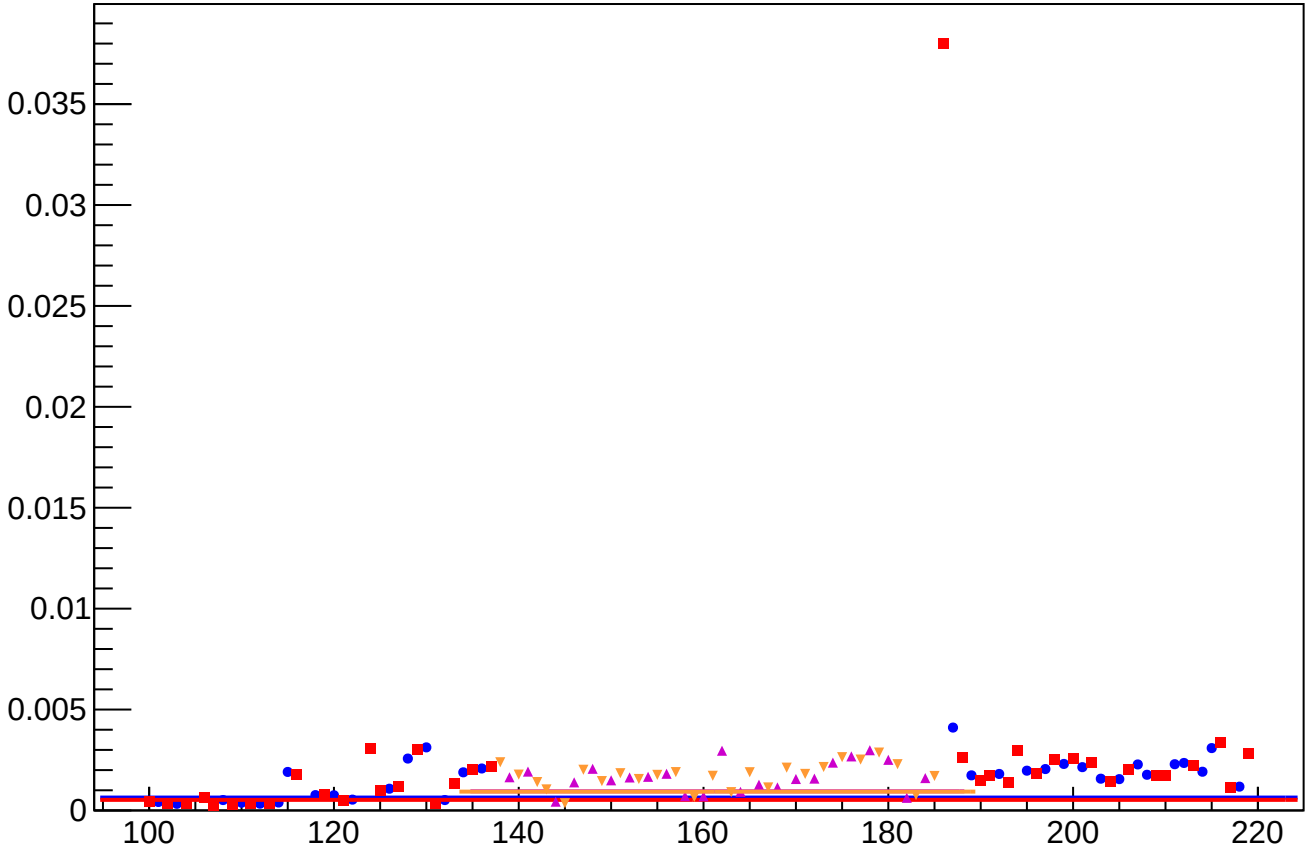
Right: -0.000+/-0.000 χ^2/NDF: 80.1/68

In: 0.000+/-0.000 χ^2/NDF:66.3/54

Out: 0.000+/-0.000 χ^2/NDF:81.4/61

All: 0.000+/-0.000 χ^2/NDF: 148.0/116

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 16564608.8/31

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 20615922.5/36

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

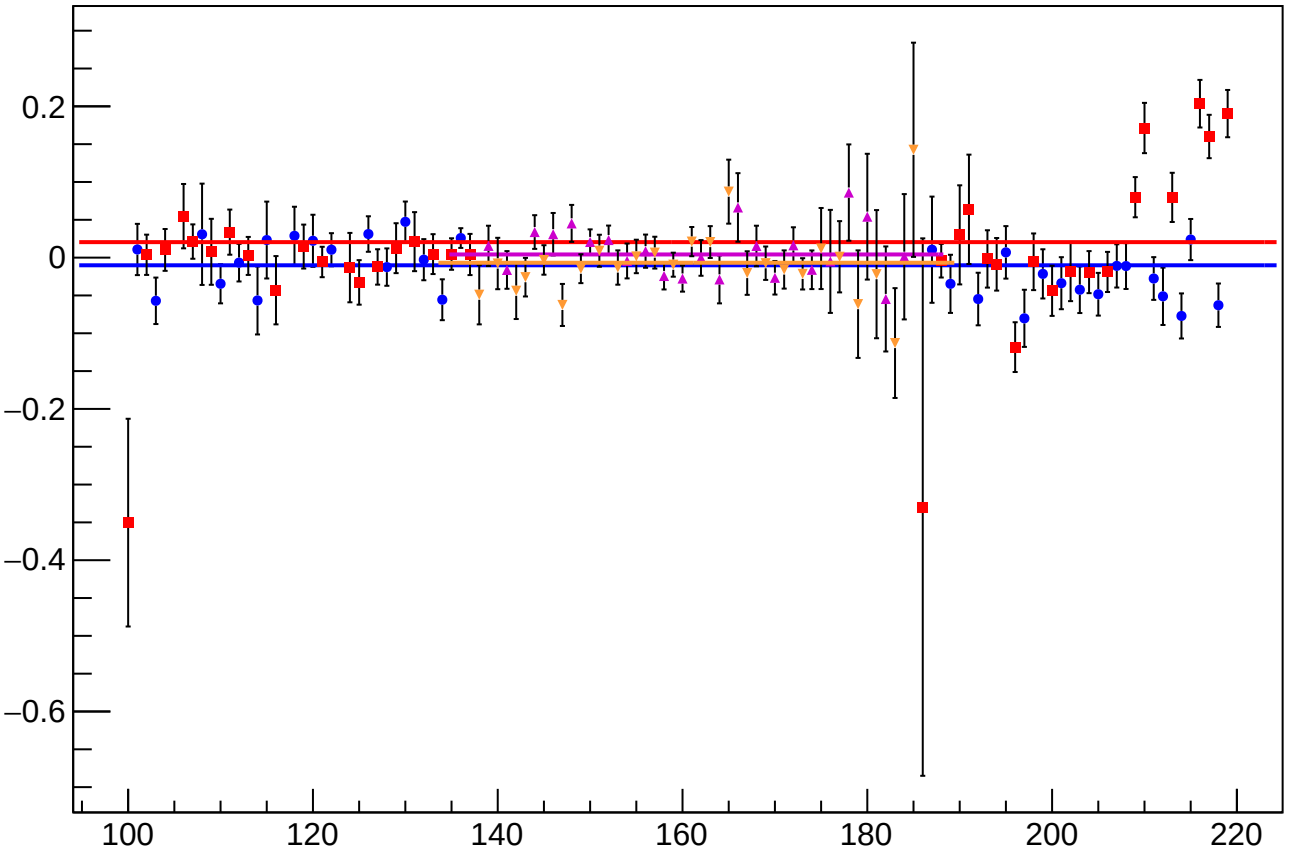
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.001+/-0.000 χ^2/NDF: 37581490.3/68

In: 0.001+/-0.000 χ^2/NDF:27825989.7/54

Out: 0.001+/-0.000 χ^2/NDF:36111147.2/61

All: 0.001+/-0.000 χ^2/NDF: 64464690.0/116



Right In: -0.010+/-0.005 χ^2/NDF: 47.5/31

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.020+/-0.005 χ^2/NDF: 167.1/36

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

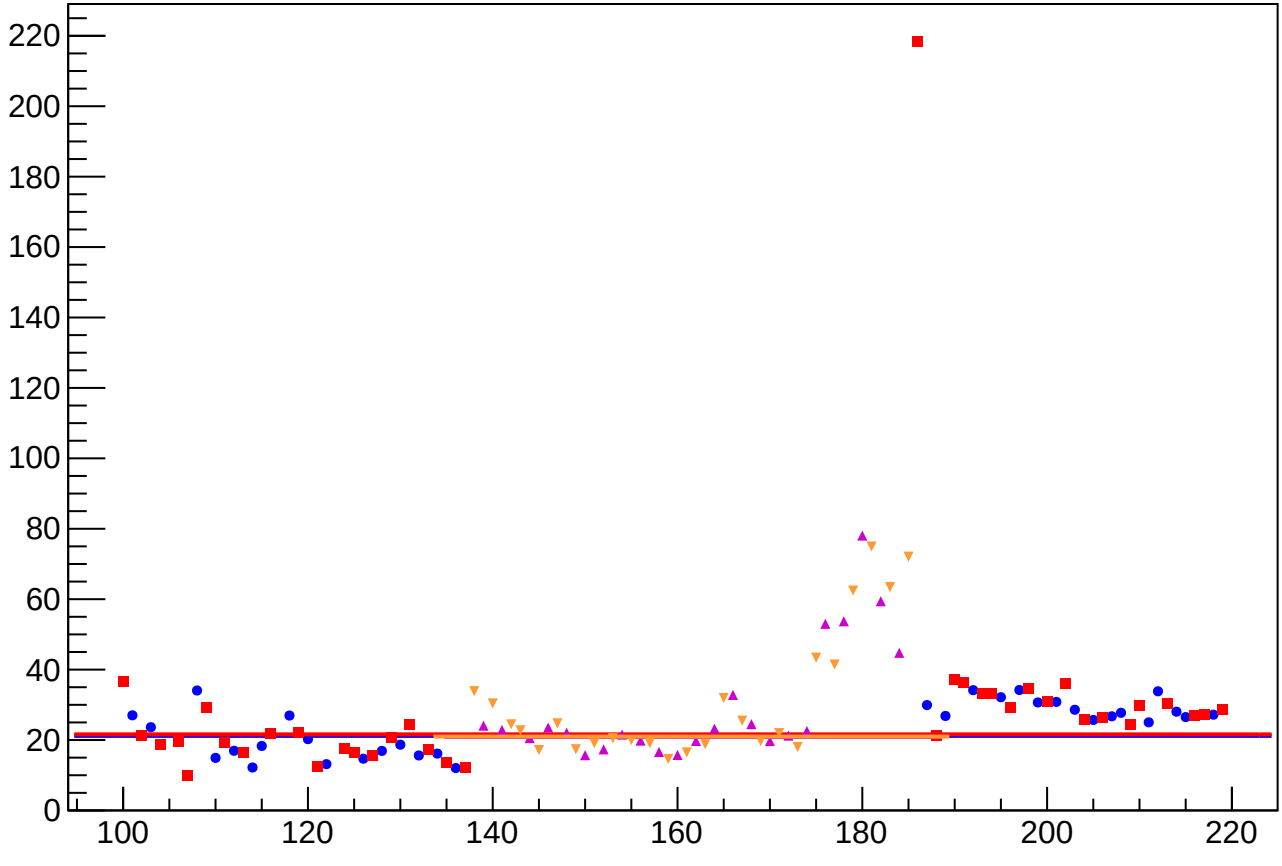
Right: 0.005+/-0.004 χ^2/NDF: 232.8/68

In: -0.003+/-0.004 χ^2/NDF:74.4/54

Out: 0.007+/-0.004 χ^2/NDF:203.0/61

All: 0.002+/-0.003 χ^2/NDF: 281.6/116

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.178+/-0.004 χ^2/NDF: 4074874.0/31

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 21.614+/-0.004 χ^2/NDF: 4574408.5/36

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

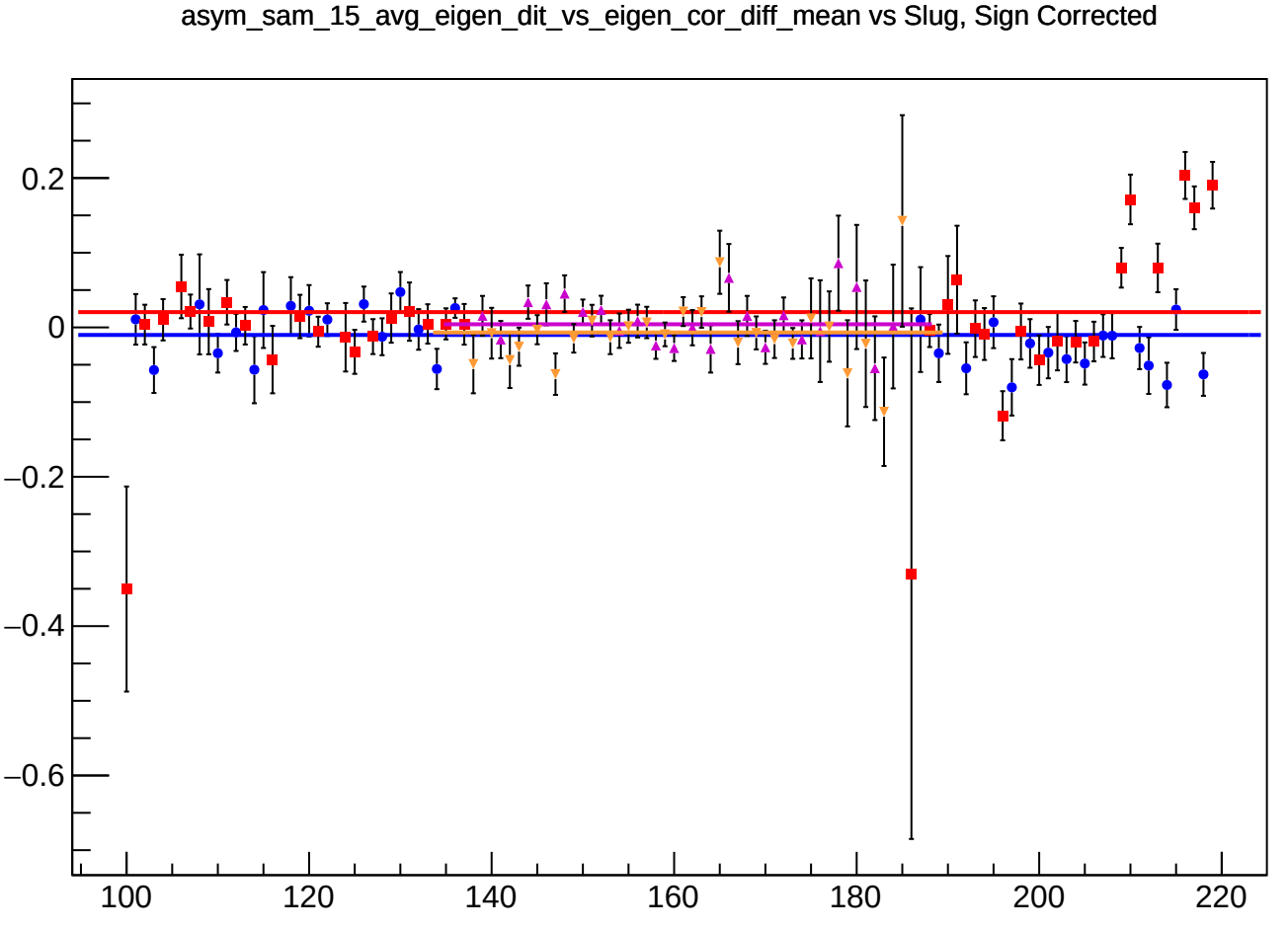
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 21.398+/-0.003 χ^2/NDF: 8656675.3/68

In: 21.028+/-0.003 χ^2/NDF:7613355.2/54

Out: 21.307+/-0.003 χ^2/NDF:9056622.1/61

All: 21.169+/-0.002 χ^2/NDF: 16675802.9/116



Right In: -0.010+/-0.005 χ^2/NDF: 47.5/31

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.020+/-0.005 χ^2/NDF: 167.1/36

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

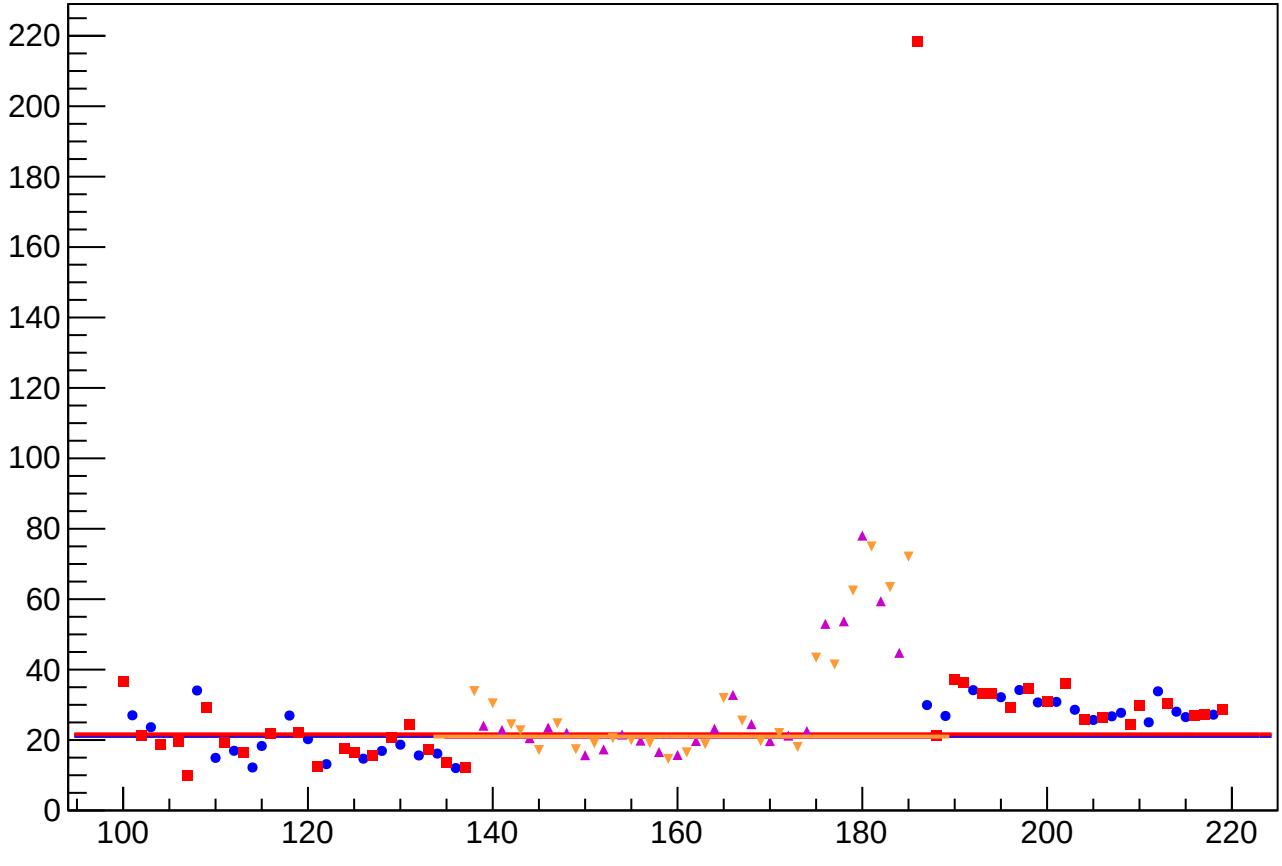
Right: 0.005+/-0.004 χ^2/NDF: 232.8/68

In: -0.003+/-0.004 χ^2/NDF:74.4/54

Out: 0.007+/-0.004 χ^2/NDF:203.0/61

All: 0.002+/-0.003 χ^2/NDF: 281.6/116

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.178+/-0.004 χ^2/NDF: 4074874.0/31

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 21.614+/-0.004 χ^2/NDF: 4574408.5/36

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

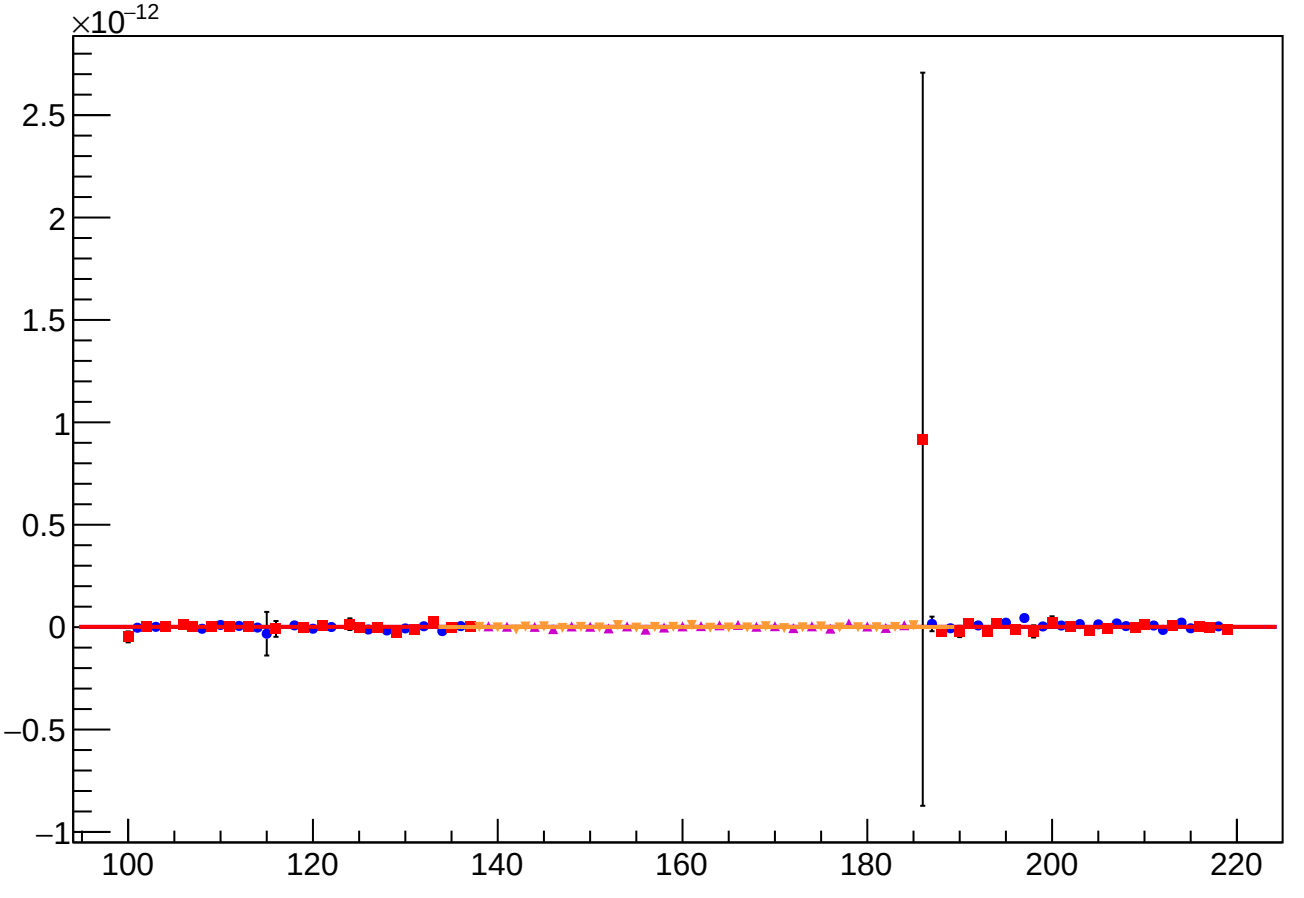
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 21.398+/-0.003 χ^2/NDF: 8656675.3/68

In: 21.028+/-0.003 χ^2/NDF:7613355.2/54

Out: 21.307+/-0.003 χ^2/NDF:9056622.1/61

All: 21.169+/-0.002 χ^2/NDF: 16675802.9/116



Right In: 0.000+/-0.000 χ^2/NDF: 28.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/36

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

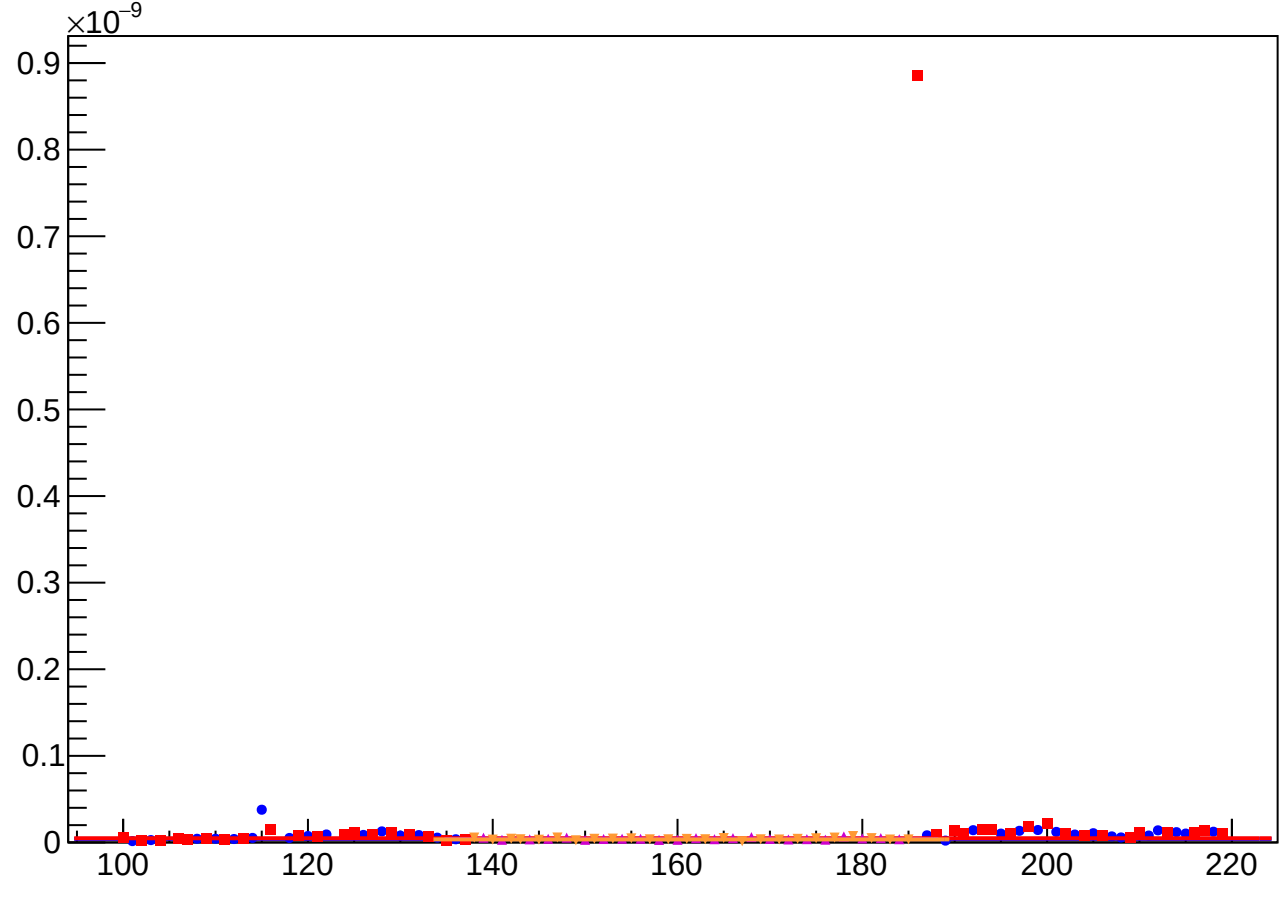
Right: 0.000+/-0.000 χ^2/NDF: 56.6/68

In: 0.000+/-0.000 χ^2/NDF:55.1/54

Out: 0.000+/-0.000 χ^2/NDF:42.7/61

All: 0.000+/-0.000 χ^2/NDF: 97.9/116

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9701921.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9796801.5/36

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

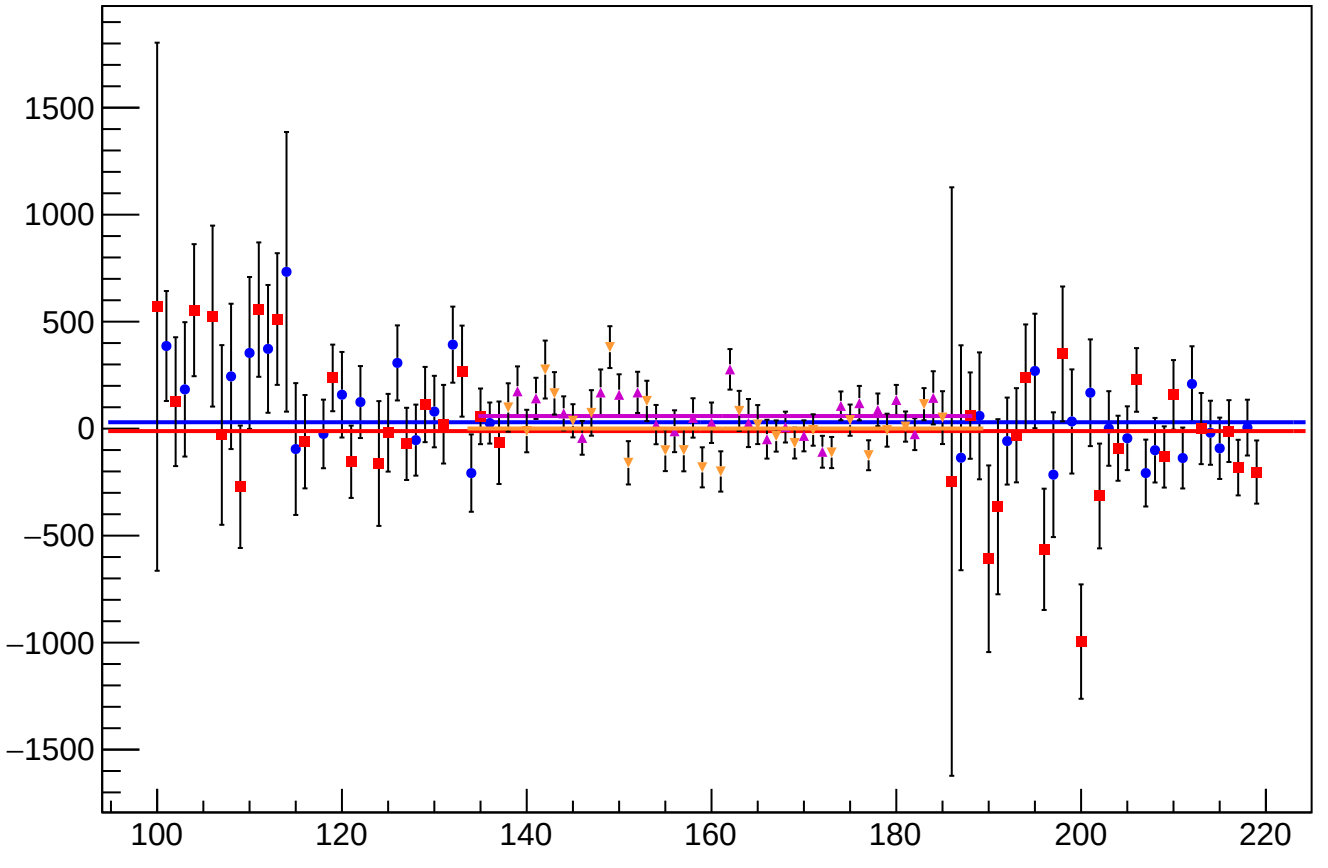
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 19733835.2/68

In: 0.000+/-0.000 χ^2/NDF:10920647.2/54

Out: 0.000+/-0.000 χ^2/NDF:13250454.4/61

All: 0.000+/-0.000 χ^2/NDF: 24173599.7/116



Right In: 29.943+/-32.700 χ^2/NDF: 24.3/31

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -11.481+/-33.304 χ^2/NDF: 50.8/36

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

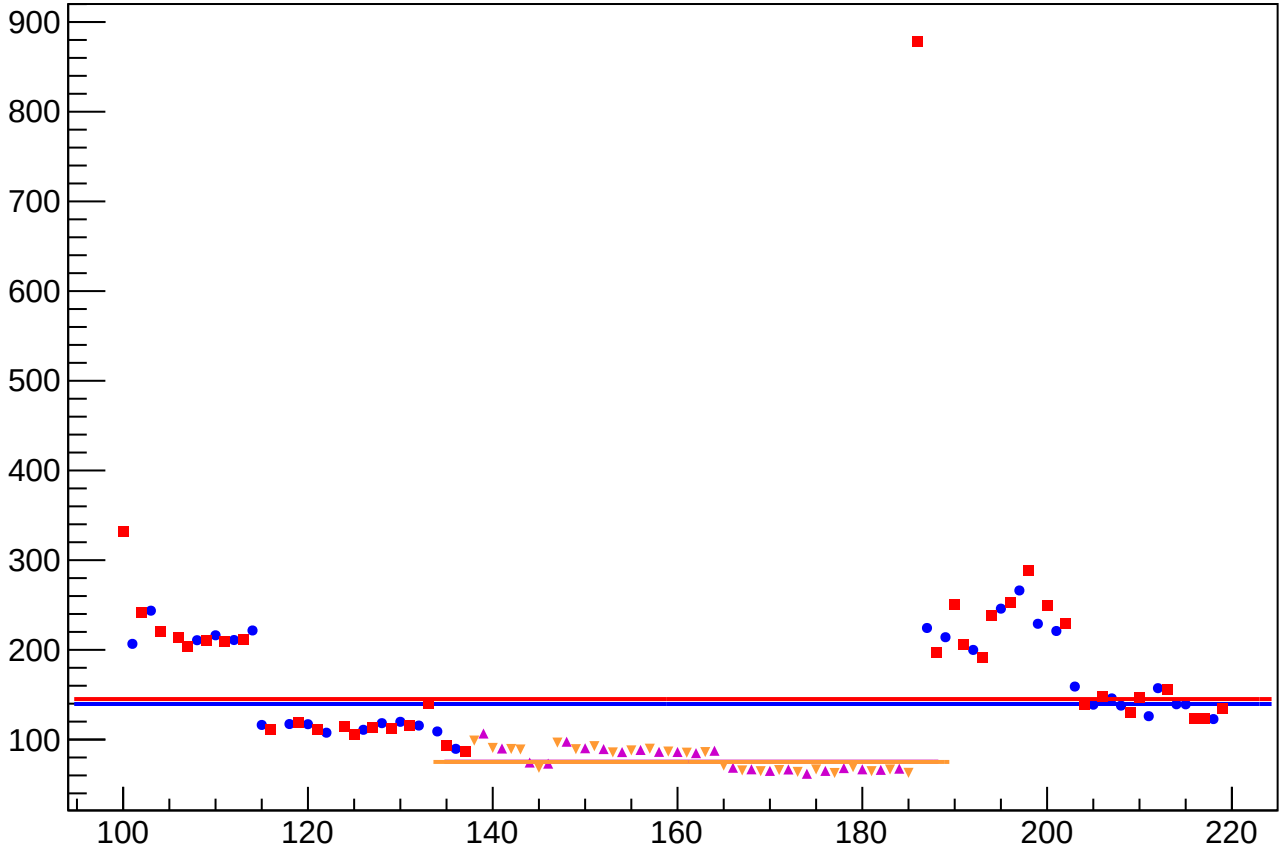
Right: 9.611+/-23.333 χ^2/NDF: 75.9/68

In: 52.241+/-15.687 χ^2/NDF:50.8/54

Out: -1.973+/-15.366 χ^2/NDF:99.5/61

All: 24.573+/-10.977 χ^2/NDF: 156.3/116

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 139.638+/-0.023 χ^2/NDF: 3212416.1/31

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 145.145+/-0.024 χ^2/NDF: 4360480.6/36

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

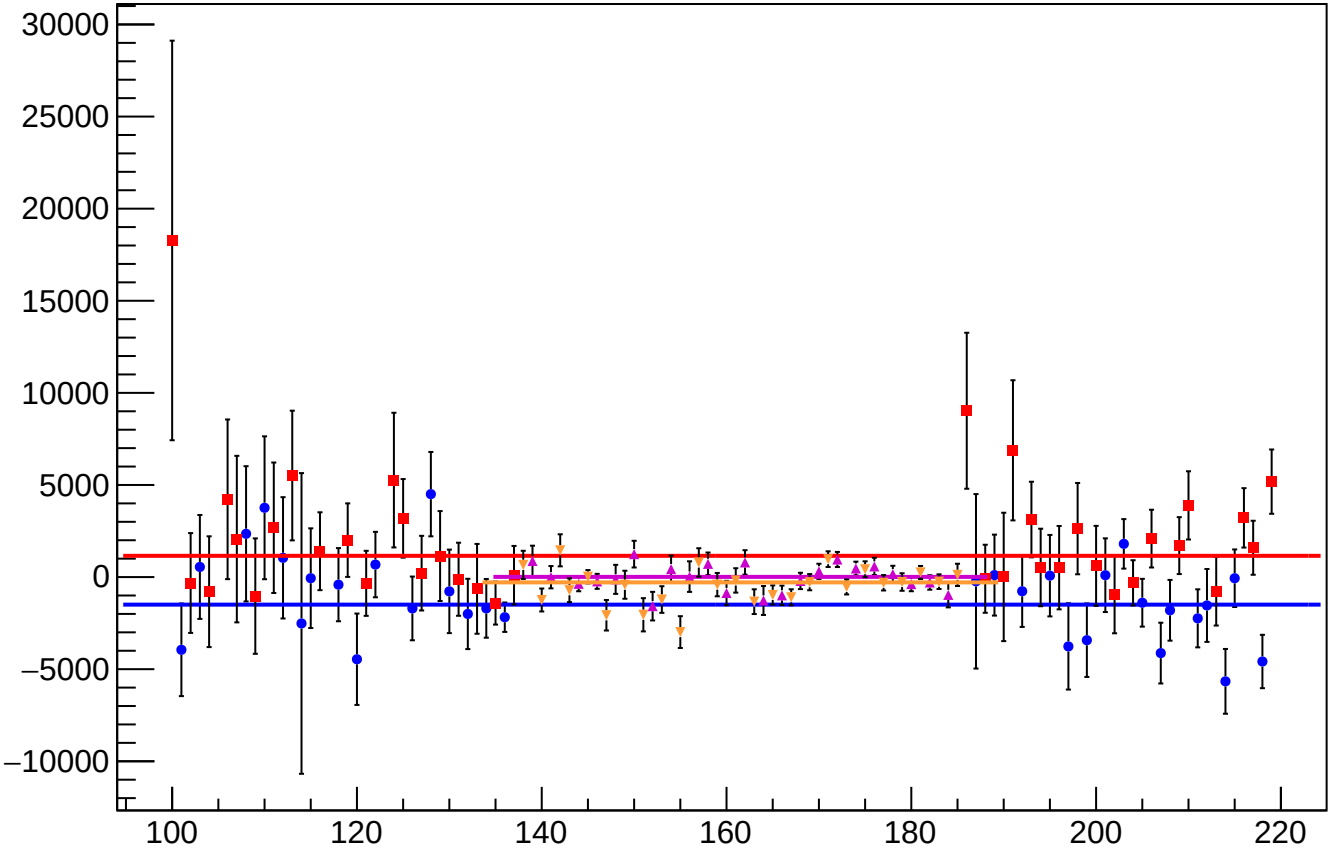
Right: 142.341+/-0.016 χ^2/NDF: 7600747.6/68

In: 90.147+/-0.011 χ^2/NDF:10000861.8/54

Out: 89.964+/-0.011 χ^2/NDF:12263865.1/61

All: 90.054+/-0.008 χ^2/NDF: 22264866.1/116

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1496.376+/-324.147 χ^2/NDF: 39.9/31

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 1154.022+/-339.361 χ^2/NDF: 36.5/36

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

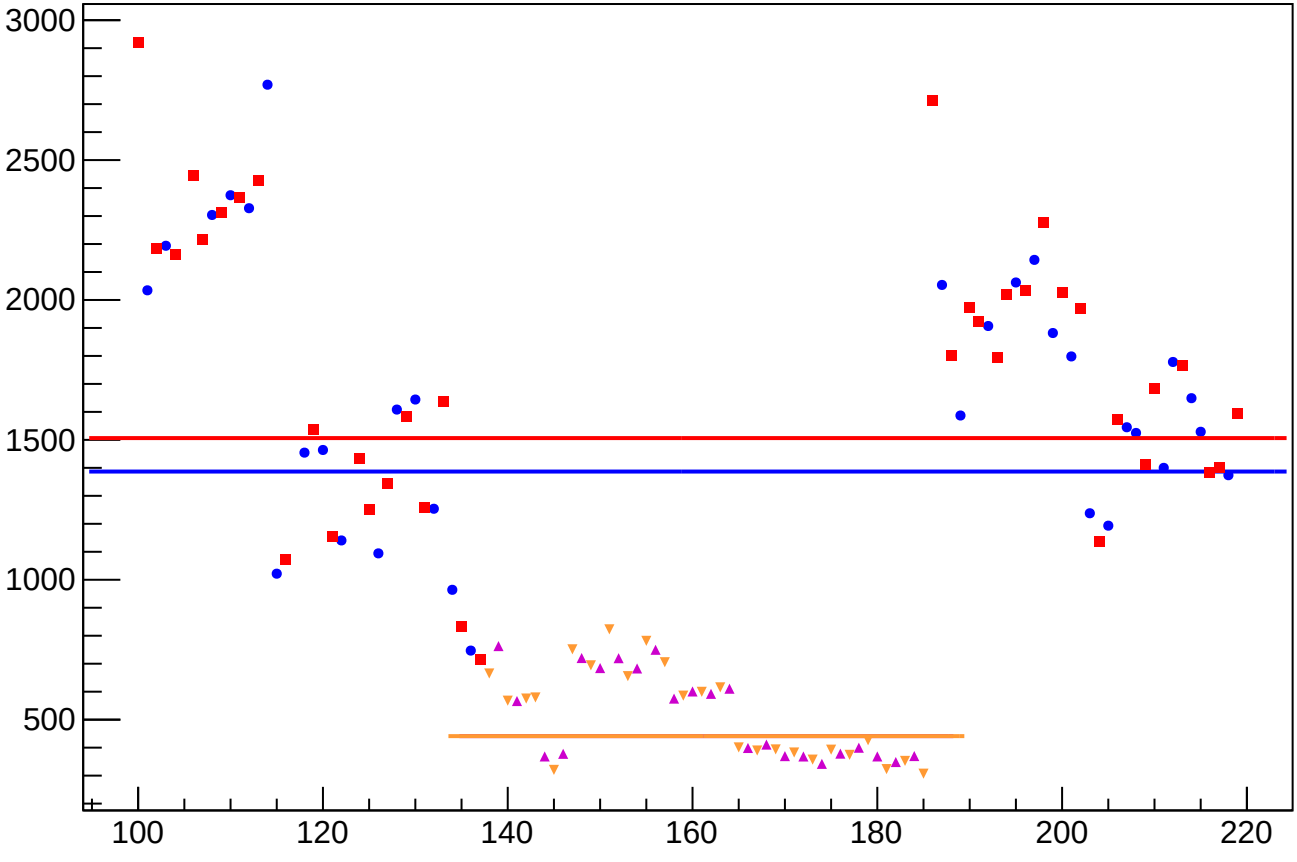
Right: -231.916+/-234.401 χ^2/NDF: 108.3/68

In: -139.107+/-102.180 χ^2/NDF:92.8/54

Out: -161.579+/-100.510 χ^2/NDF:106.2/61

All: -150.528+/-71.654 χ^2/NDF: 199.1/116

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1386.791+/-0.229 χ^2/NDF: 3433700.0/31

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1506.369+/-0.240 χ^2/NDF: 3412906.3/36

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

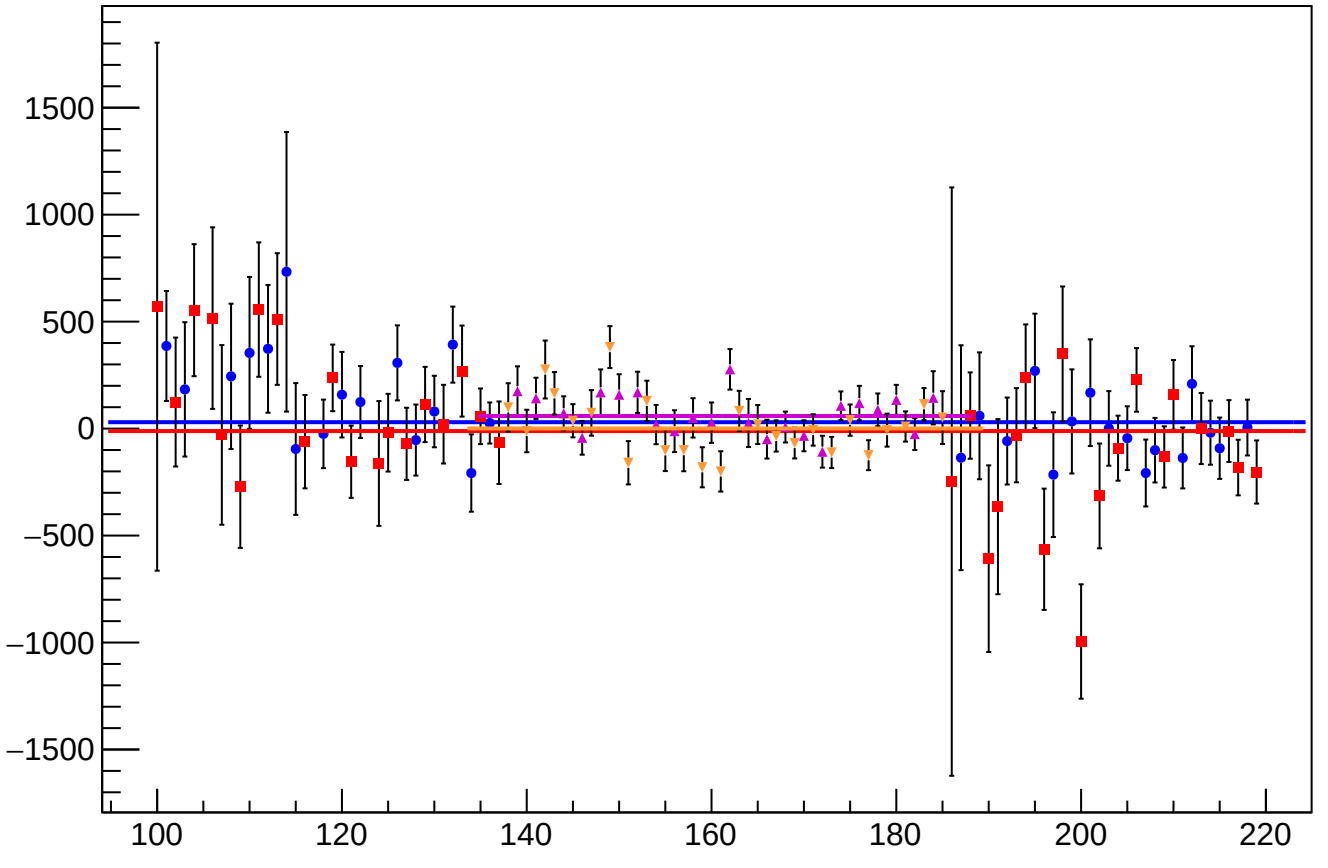
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1443.840+/-0.166 χ^2/NDF: 6976456.3/68

In: 535.158+/-0.072 χ^2/NDF:21444387.1/54

Out: 534.570+/-0.071 χ^2/NDF:24625085.7/61

All: 534.859+/-0.051 χ^2/NDF: 46069506.5/11



Right In: 29.933+/-32.700 χ^2/NDF: 24.3/31

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -11.587+/-33.305 χ^2/NDF: 50.7/36

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

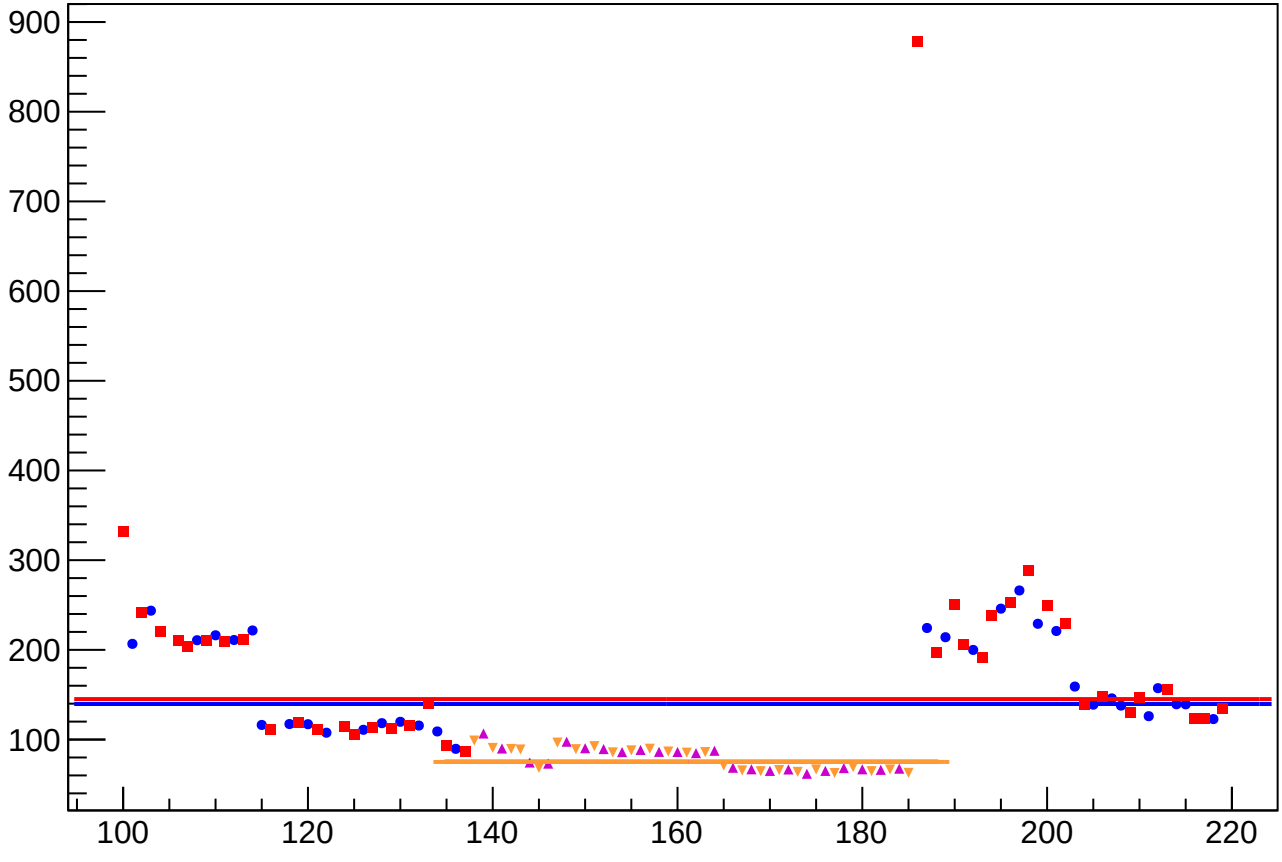
Right: 9.554+/-23.333 χ^2/NDF: 75.8/68

In: 52.236+/-15.687 χ^2/NDF:50.8/54

Out: -1.996+/-15.366 χ^2/NDF:99.4/61

All: 24.559+/-10.977 χ^2/NDF: 156.3/116

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 139.638+/-0.023 χ^2/NDF: 3212418.6/31

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 145.124+/-0.024 χ^2/NDF: 4355830.3/36

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

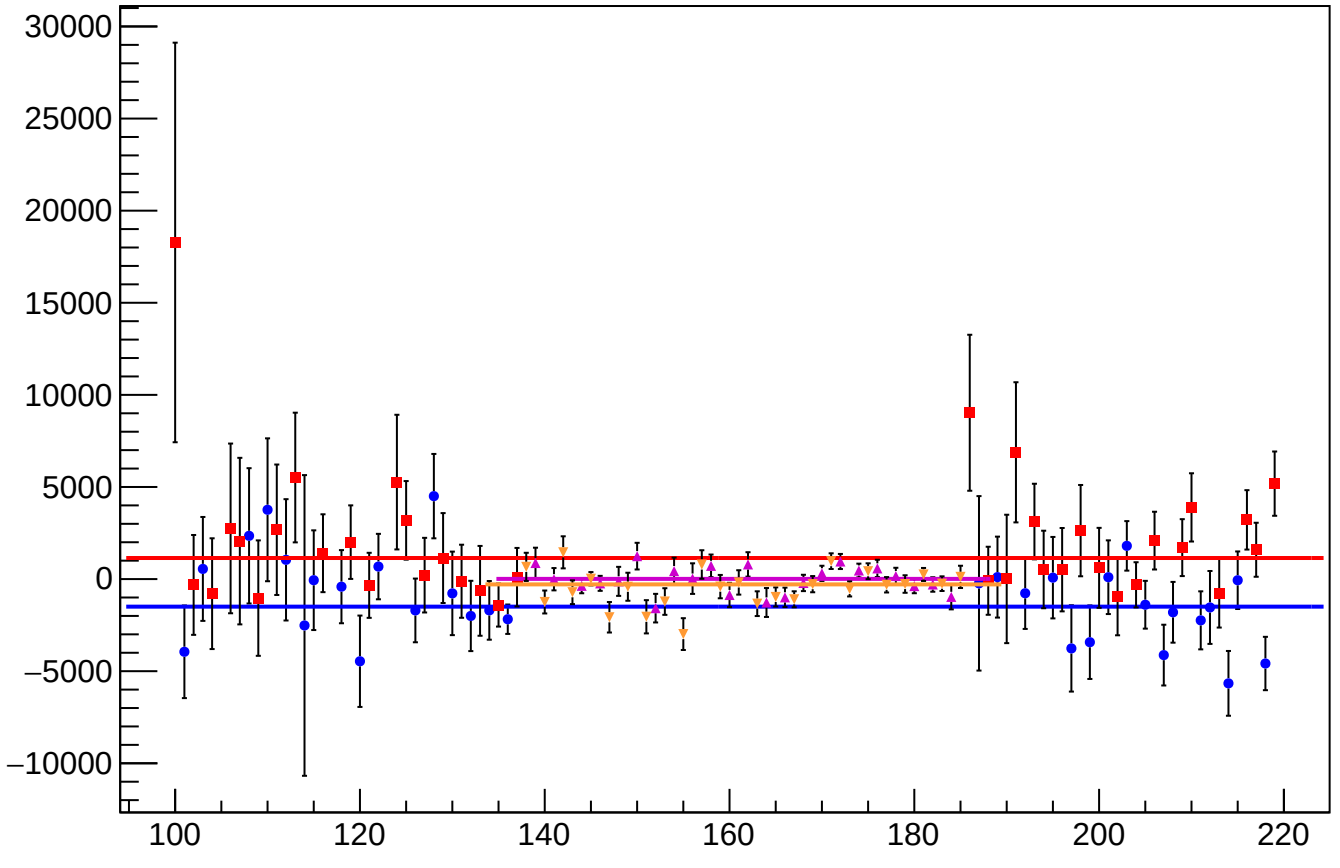
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 142.330+/-0.016 χ^2/NDF: 7595879.5/68

In: 90.147+/-0.011 χ^2/NDF:10000863.9/54

Out: 89.959+/-0.011 χ^2/NDF:12254572.6/61

All: 90.051+/-0.008 χ^2/NDF: 22255583.8/116



Right In: -1496.371+/-324.148 χ^2/NDF: 39.9/31

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 1143.985+/-339.484 χ^2/NDF: 36.1/36

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

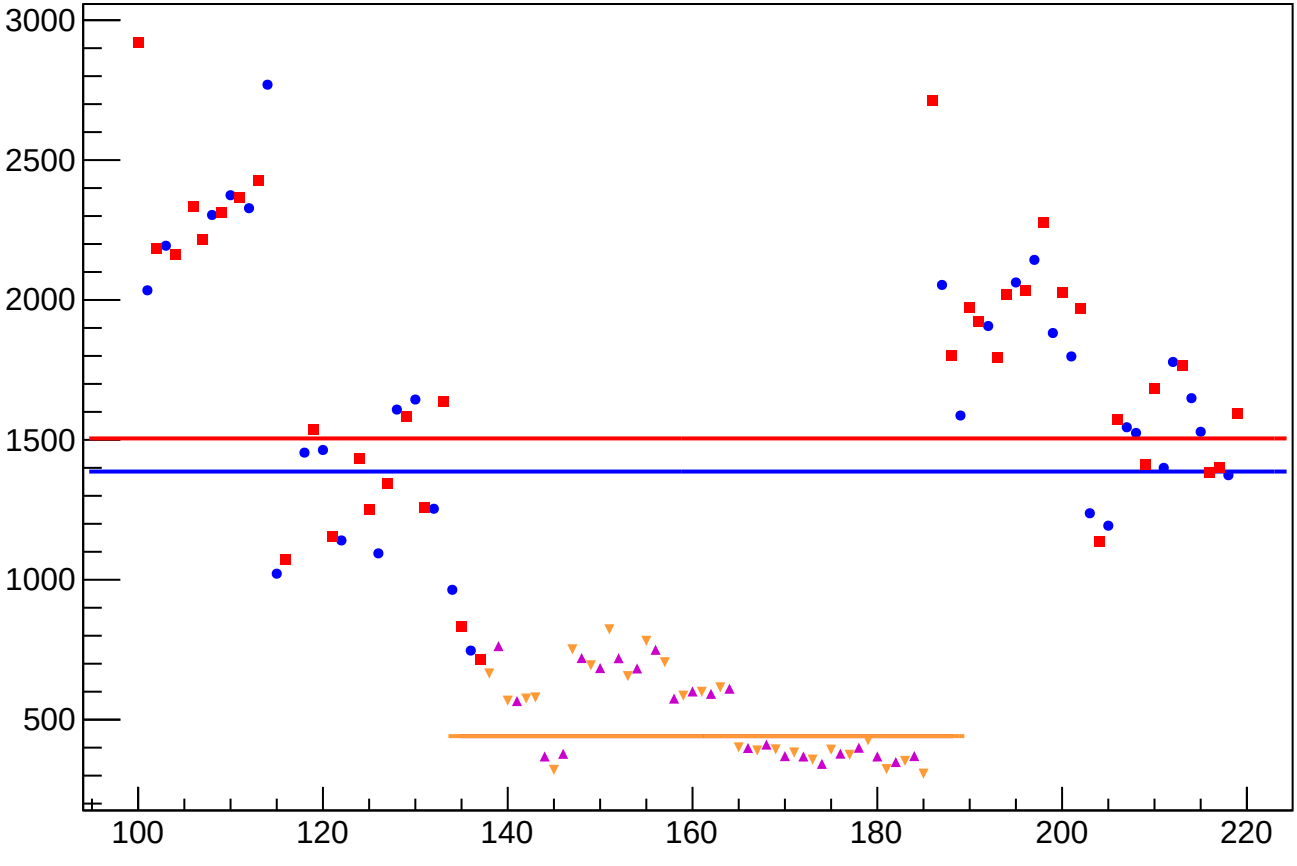
Right: -237.178+/-234.441 χ^2/NDF: 107.7/68

In: -139.105+/-102.180 χ^2/NDF:92.8/54

Out: -162.542+/-100.513 χ^2/NDF:105.6/61

All: -151.016+/-71.656 χ^2/NDF: 198.4/116

asym_sam_26_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1386.791+/-0.229 χ^2/NDF: 3433730.6/31

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1505.123+/-0.240 χ^2/NDF: 3384254.8/36

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

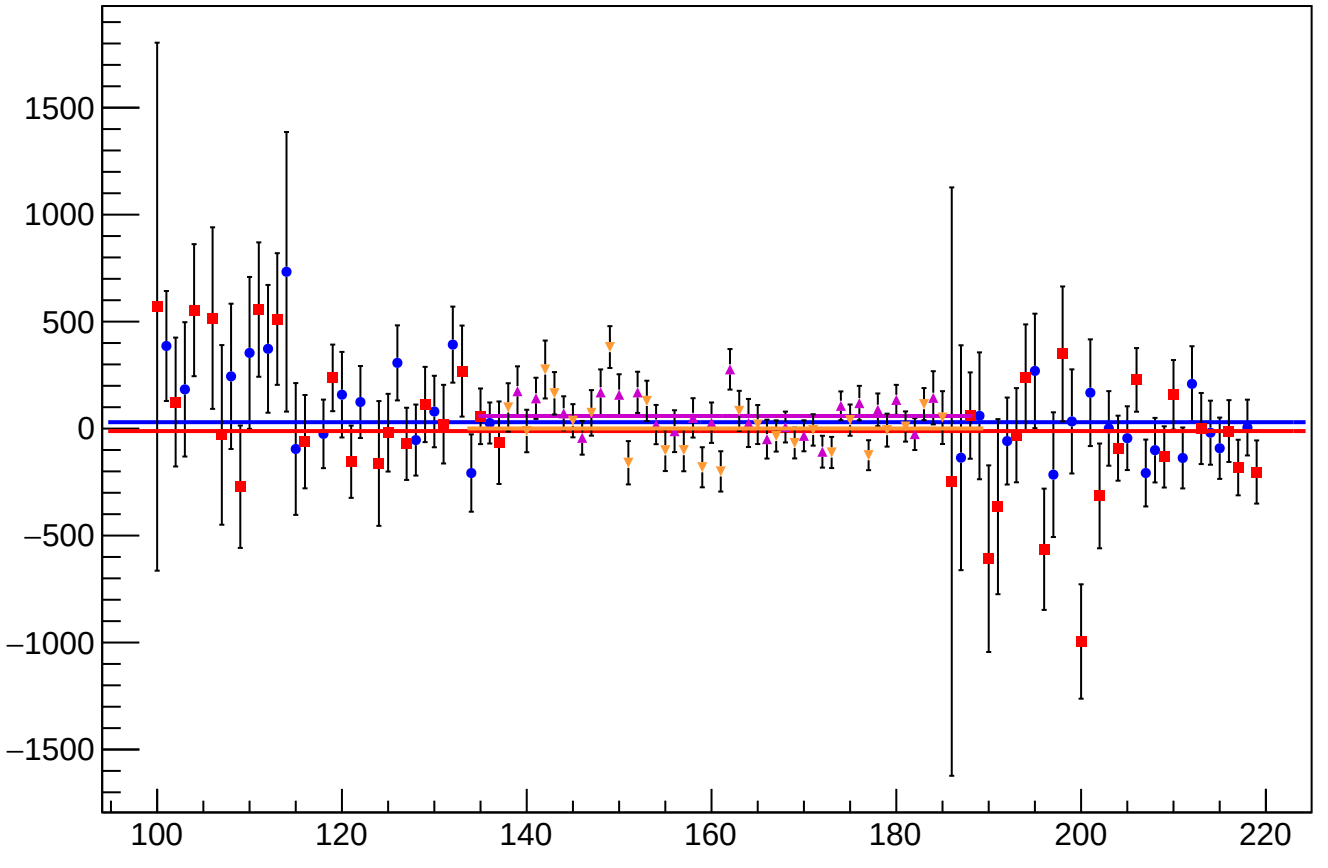
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

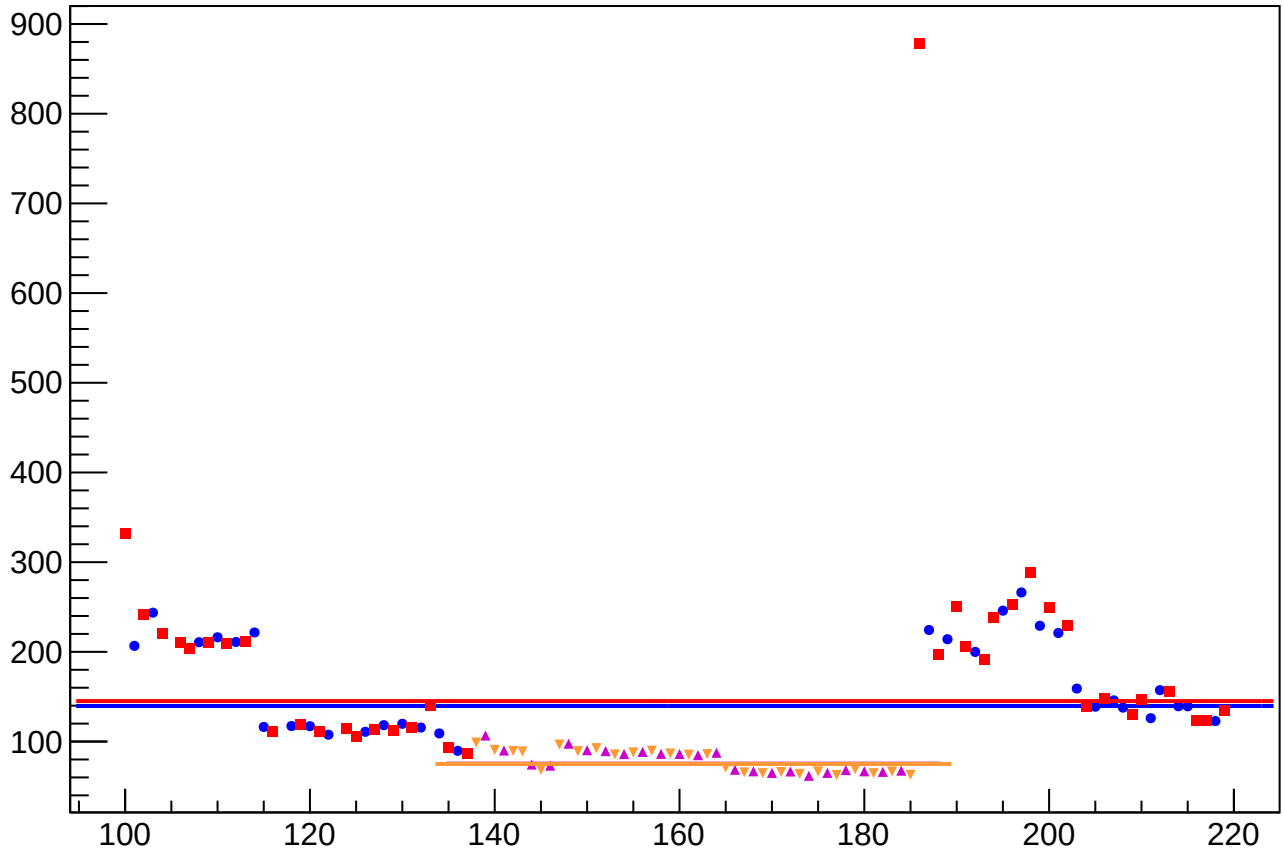
Right: 1443.224+/-0.166 χ^2/NDF: 6945095.6/68

In: 535.158+/-0.072 χ^2/NDF:21444394.7/54

Out: 534.400+/-0.071 χ^2/NDF:24542543.9/61

All: 534.773+/-0.051 χ^2/NDF: 45986994.6/11


eigen_cor_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: 29.933+/-32.700 χ²/NDF: 24.3/31
Left Out: 0.598+/-17.319 χ²/NDF:48.6/24
Right Out: -11.587+/-33.305 χ²/NDF: 50.7/36
Left In: 58.904+/-17.879 χ²/NDF:25.8/22
Left: 28.824+/-12.440 χ²/NDF: 79.9/47
Right: 9.554+/-23.333 χ²/NDF: 75.8/68
In: 52.236+/-15.687 χ²/NDF:50.8/54
Out: -1.996+/-15.366 χ²/NDF:99.4/61
All: 24.559+/-10.977 χ²/NDF: 156.3/116



Right In: 139.638+/-0.023 χ^2/NDF: 3212418.6/31

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 145.124+/-0.024 χ^2/NDF: 4355830.3/36

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

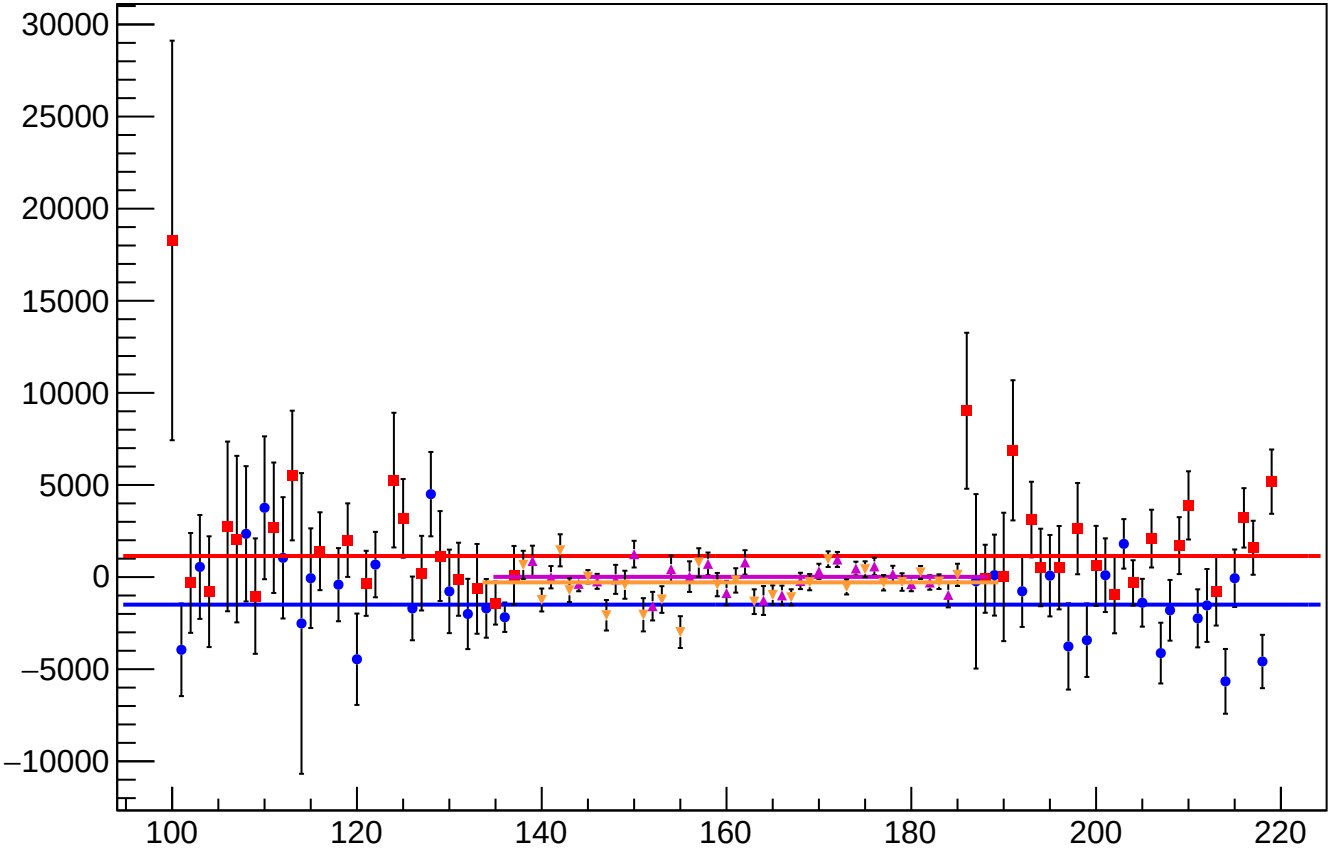
Right: 142.330+/-0.016 χ^2/NDF: 7595879.5/68

In: 90.147+/-0.011 χ^2/NDF:10000863.9/54

Out: 89.959+/-0.011 χ^2/NDF:12254572.6/61

All: 90.051+/-0.008 χ^2/NDF: 22255583.8/116

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1496.371+/-324.148 χ^2/NDF: 39.9/31

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 1143.985+/-339.484 χ^2/NDF: 36.1/36

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

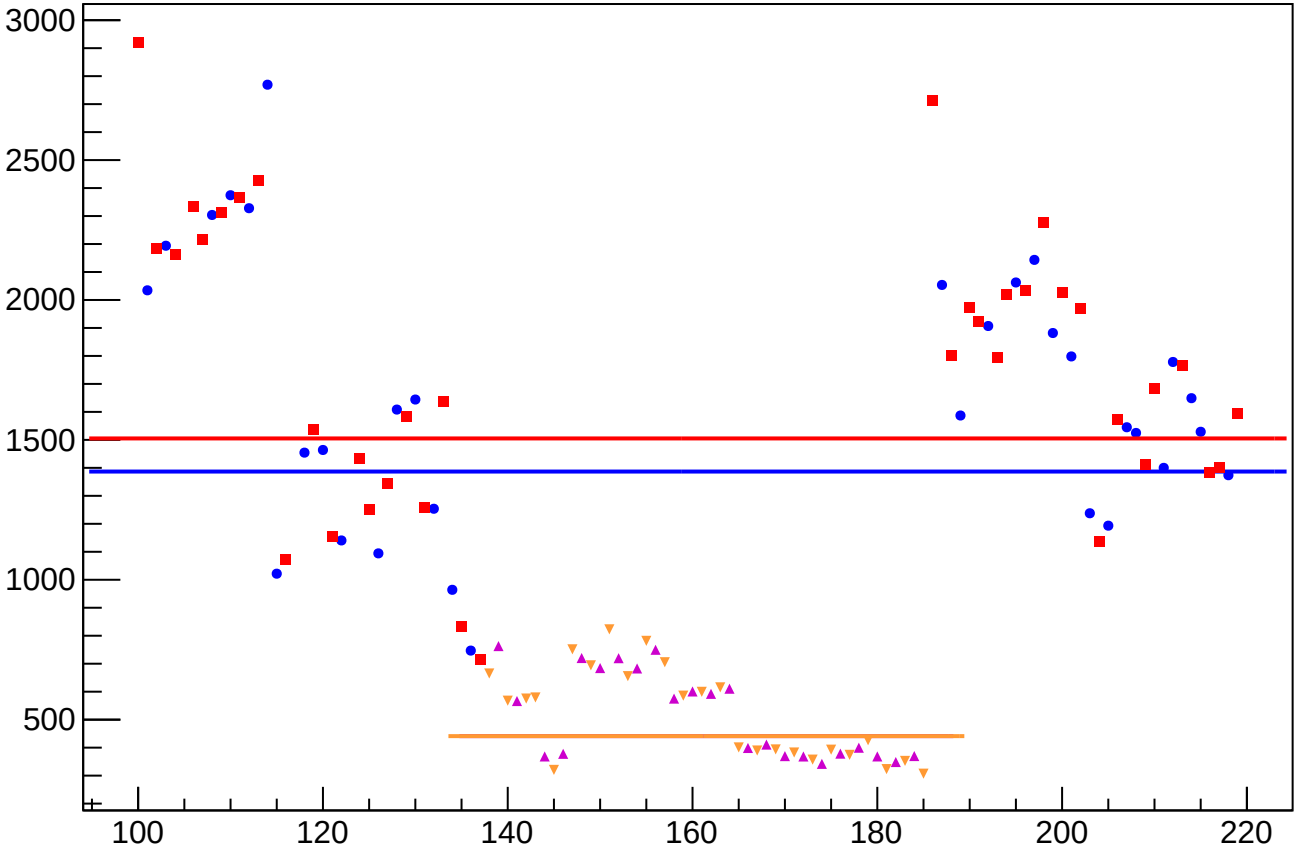
Right: -237.178+/-234.441 χ^2/NDF: 107.7/68

In: -139.105+/-102.180 χ^2/NDF:92.8/54

Out: -162.542+/-100.513 χ^2/NDF:105.6/61

All: -151.016+/-71.656 χ^2/NDF: 198.4/116

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1386.791+/-0.229 χ^2/NDF: 3433730.6/31

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1505.123+/-0.240 χ^2/NDF: 3384254.8/36

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

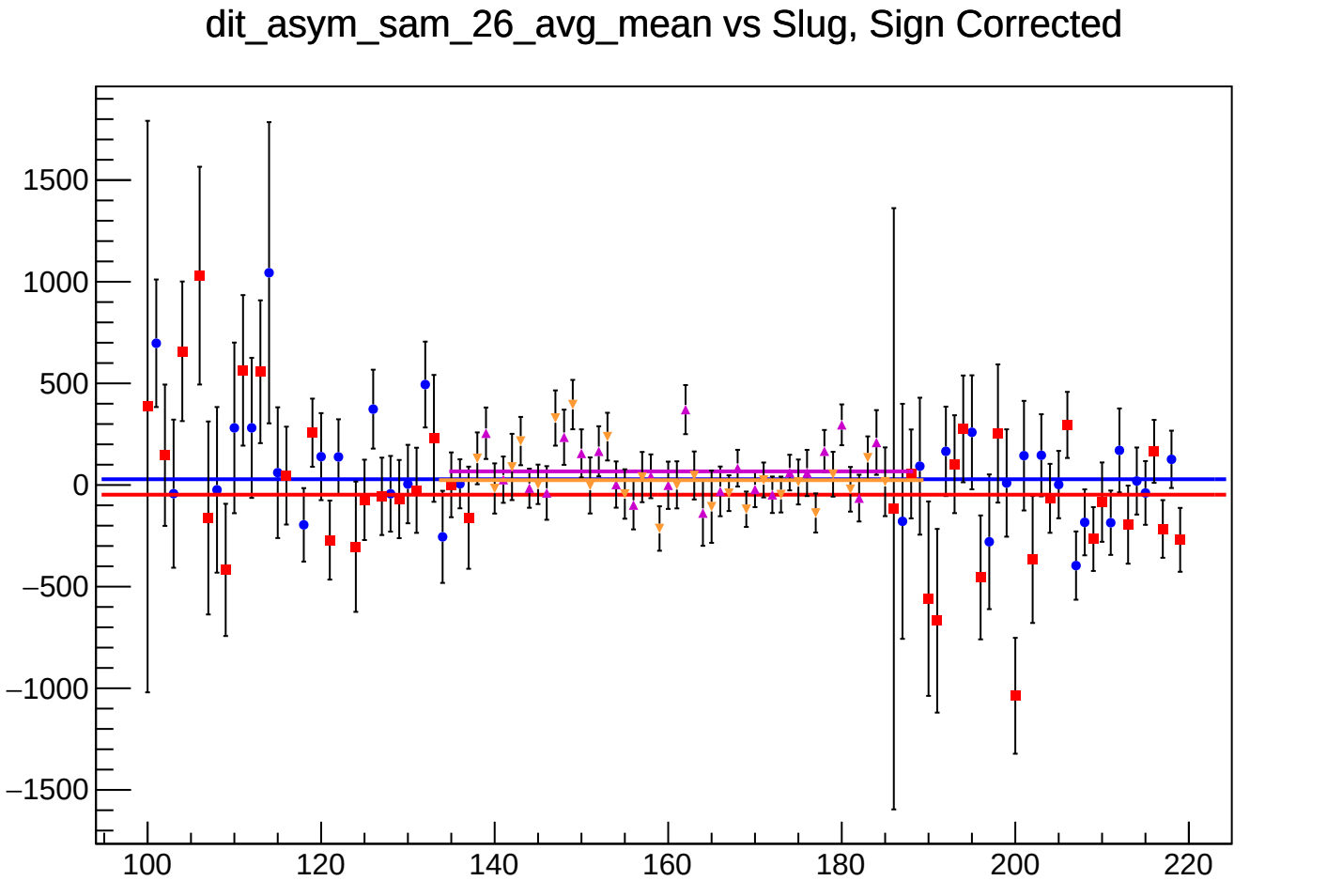
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

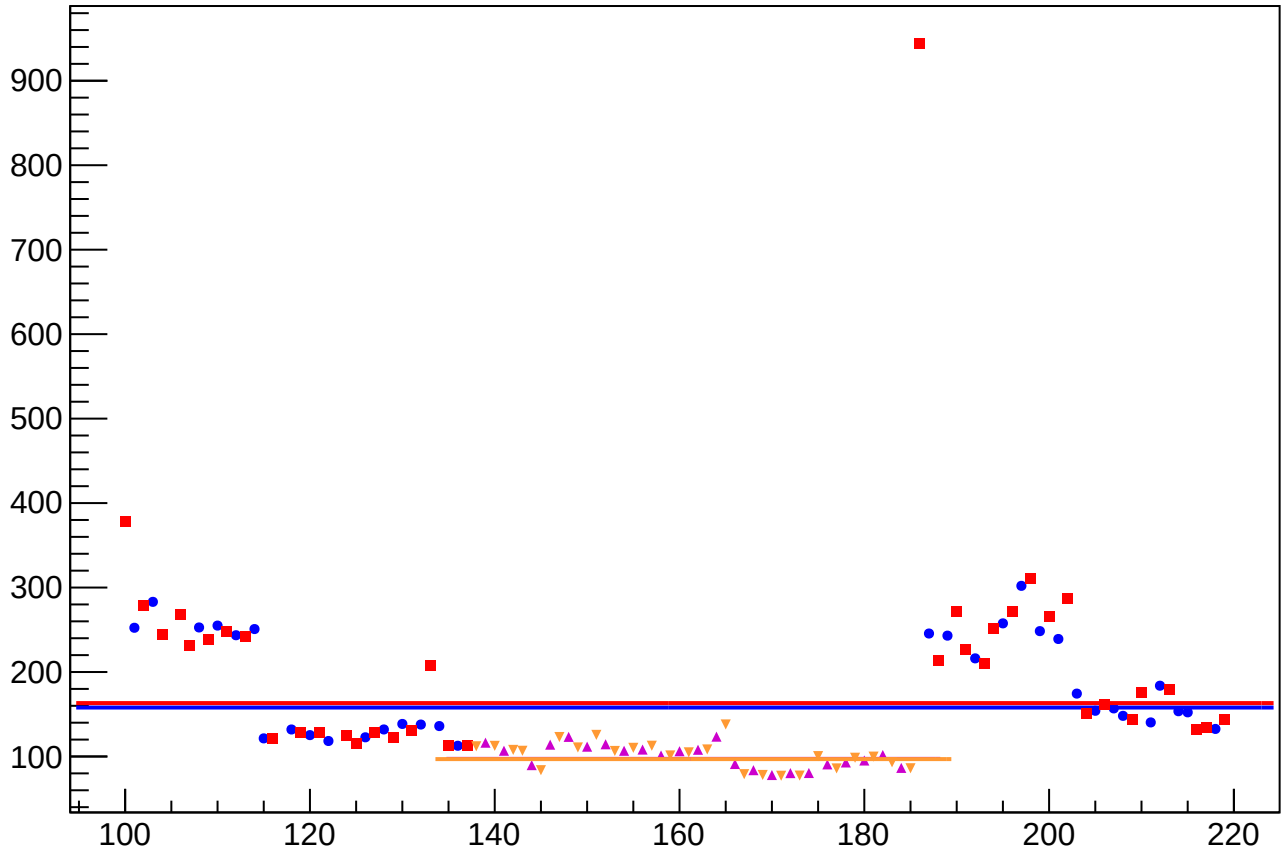
Right: 1443.224+/-0.166 χ^2/NDF: 6945095.6/68

In: 535.158+/-0.072 χ^2/NDF:21444394.7/54

Out: 534.400+/-0.071 χ^2/NDF:24542543.9/61

All: 534.773+/-0.051 χ^2/NDF: 45986994.6/11


dit_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: 28.351+/-36.965 χ²/NDF: 33.1/31
Left Out: 23.873+/-22.414 χ²/NDF:35.2/24
Right Out: -47.656+/-37.518 χ²/NDF: 55.4/36
Left In: 67.086+/-23.121 χ²/NDF:28.6/22
Left: 44.809+/-16.093 χ²/NDF: 65.6/47
Right: -9.088+/-26.331 χ²/NDF: 90.6/68
In: 56.193+/-19.602 χ²/NDF:62.5/54
Out: 5.059+/-19.242 χ²/NDF:93.3/61
All: 30.151+/-13.732 χ²/NDF: 159.2/116



Right In: 157.952+/-0.026 χ^2/NDF: 2942716.7/31

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 163.222+/-0.027 χ^2/NDF: 4250780.7/36

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

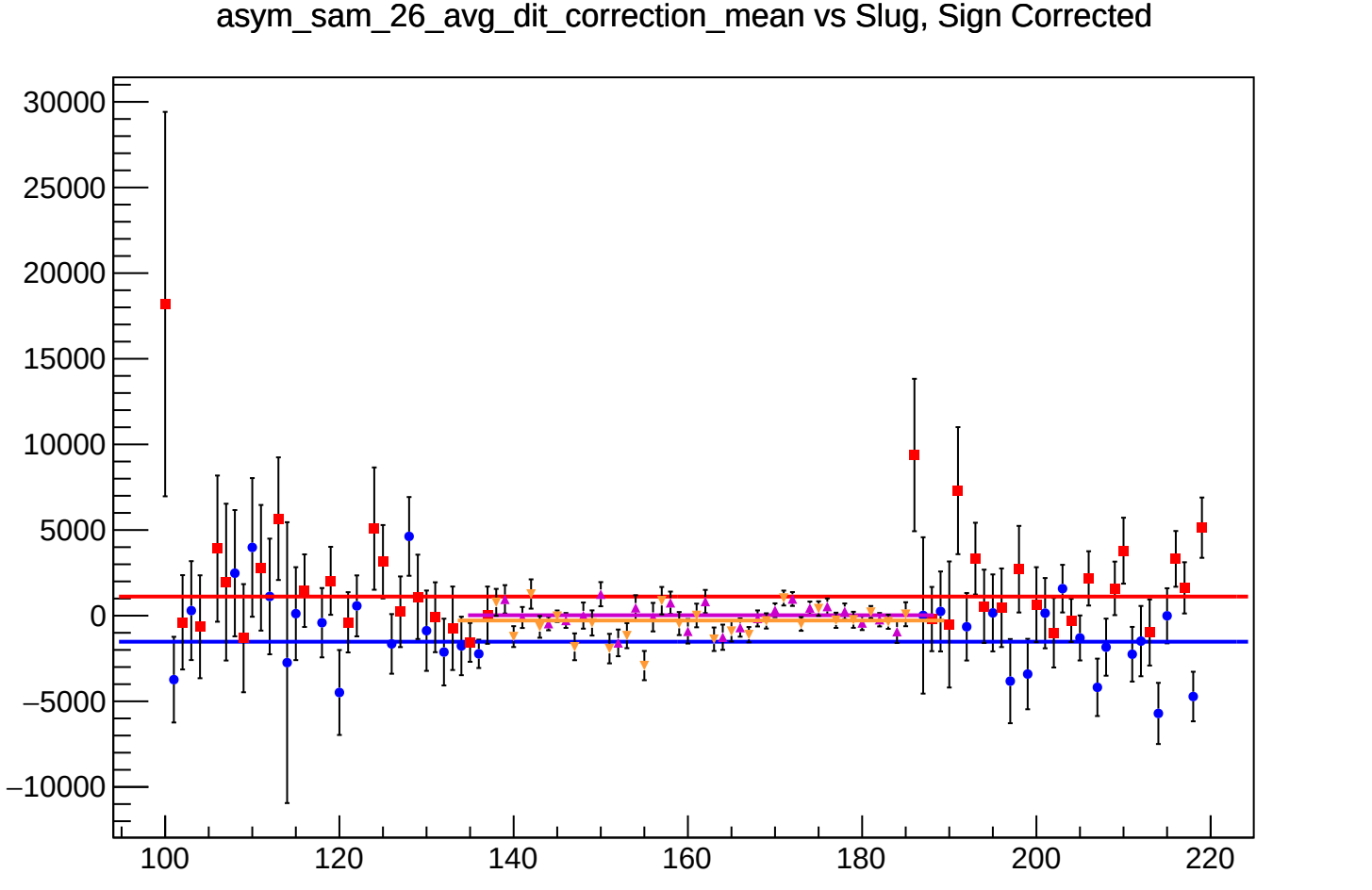
Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

Right: 160.548+/-0.019 χ^2/NDF: 7213515.1/68

In: 114.261+/-0.014 χ^2/NDF:7504639.1/54

Out: 114.350+/-0.014 χ^2/NDF:9789647.6/61

All: 114.306+/-0.010 χ^2/NDF: 17294307.8/1



Right In: -1520.961+/-331.698 χ^2/NDF: 39.3/31

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: 1115.318+/-343.151 χ^2/NDF: 37.8/36

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

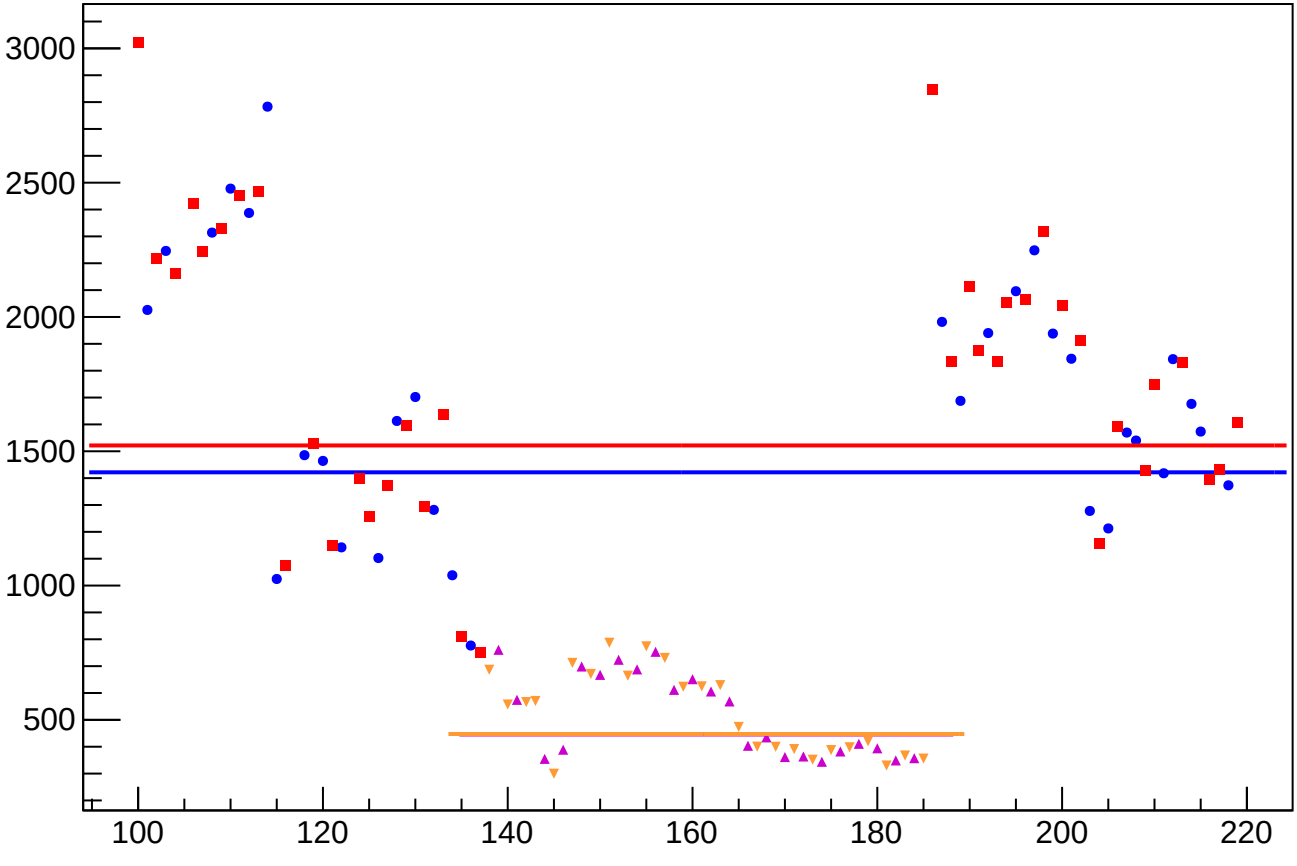
Right: -247.550+/-238.492 χ^2/NDF: 107.6/68

In: -125.720+/-103.452 χ^2/NDF:91.8/54

Out: -159.840+/-101.622 χ^2/NDF:103.3/61

All: -143.084+/-72.496 χ^2/NDF: 195.2/116

asym_sam_26_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1421.624+/-0.235 χ^2/NDF: 3336110.9/31

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1521.678+/-0.243 χ^2/NDF: 3504199.7/36

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

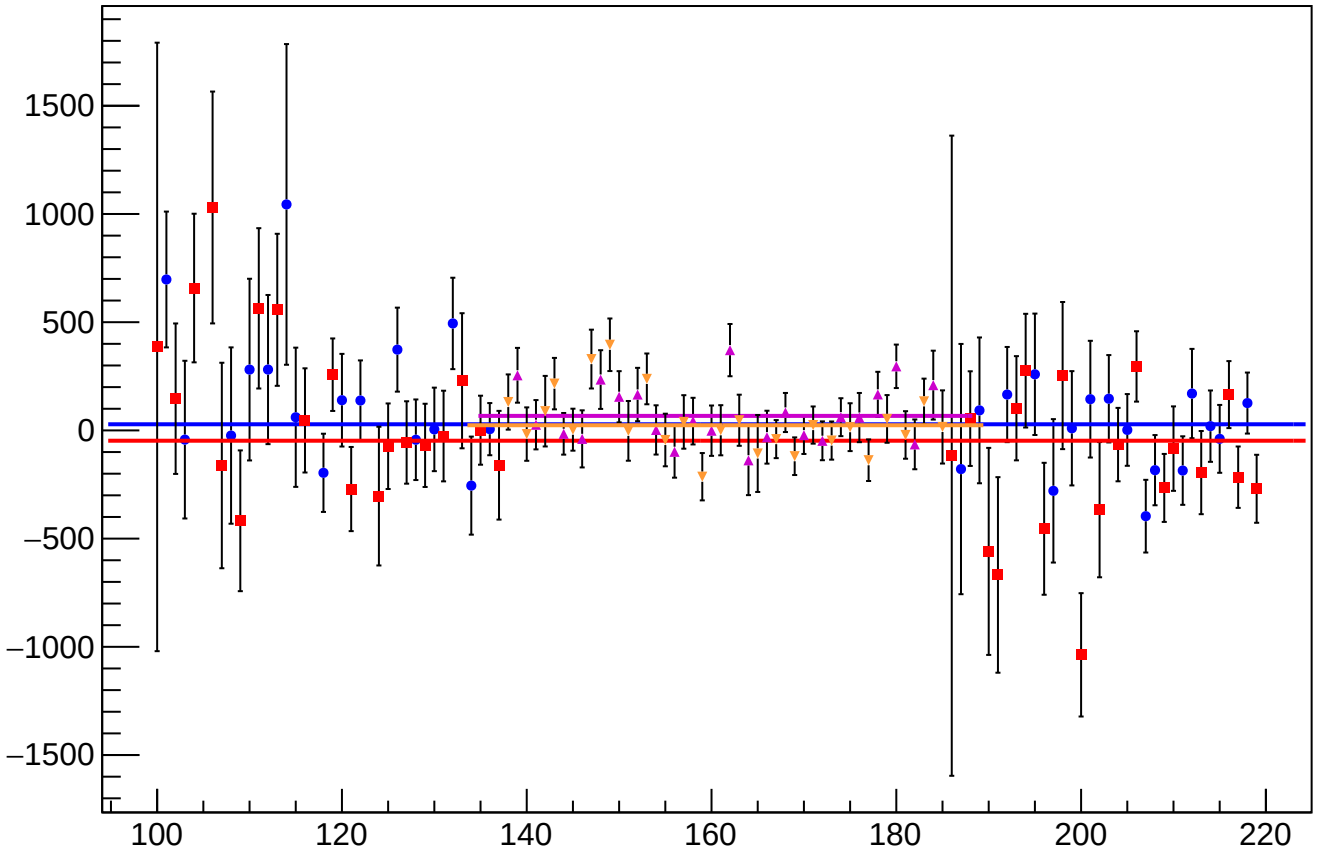
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1469.953+/-0.169 χ^2/NDF: 6928210.7/68

In: 540.443+/-0.073 χ^2/NDF:21685157.9/54

Out: 541.602+/-0.072 χ^2/NDF:24585037.3/61

All: 541.033+/-0.051 χ^2/NDF: 46270322.8/11



Right In: 28.355+/-36.965 χ^2/NDF: 33.1/31

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -47.657+/-37.518 χ^2/NDF: 55.4/36

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

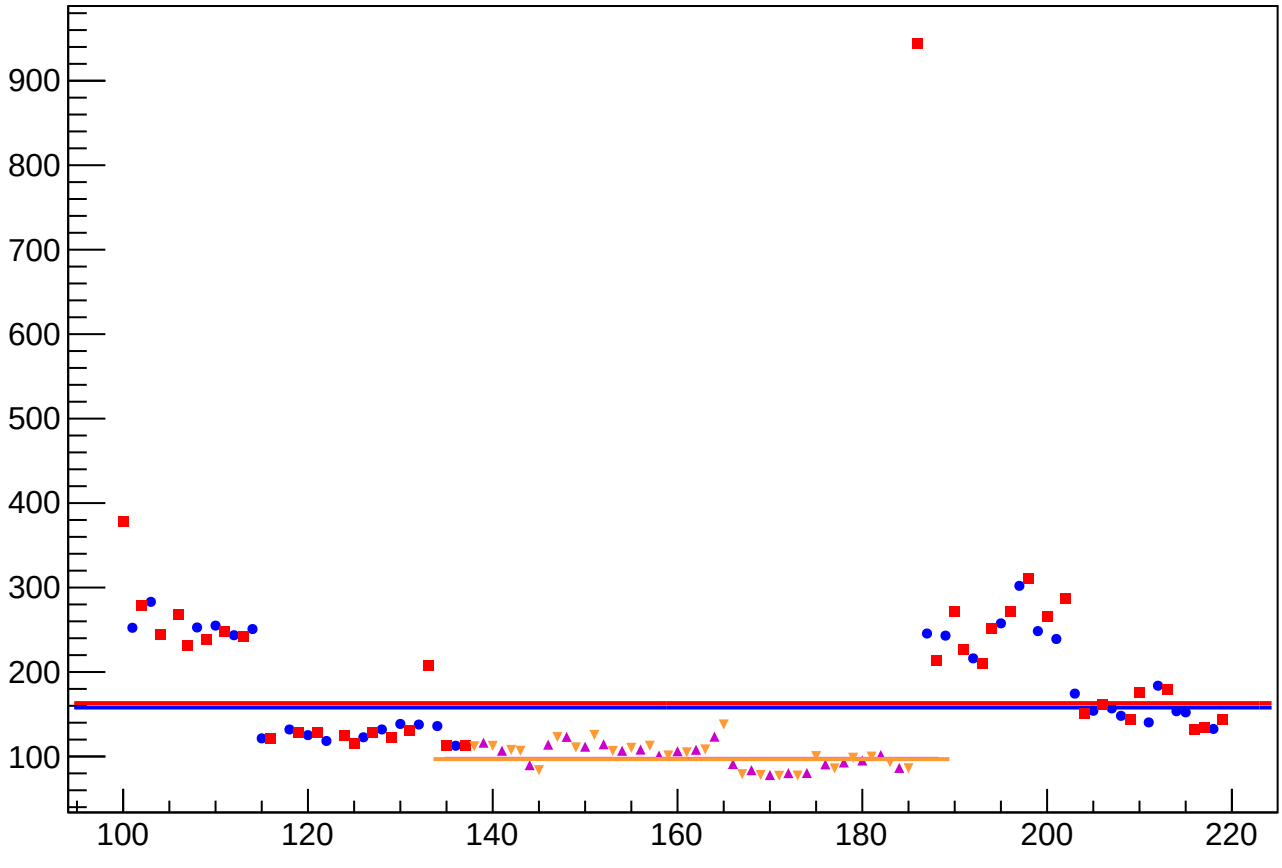
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: -9.087+/-26.331 χ^2/NDF: 90.6/68

In: 56.194+/-19.602 χ^2/NDF:62.5/54

Out: 5.057+/-19.242 χ^2/NDF:93.3/61

All: 30.151+/-13.732 χ^2/NDF: 159.2/116



Right In: 157.952+/-0.026 χ^2/NDF: 2942723.8/31

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 163.221+/-0.027 χ^2/NDF: 4250784.4/36

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

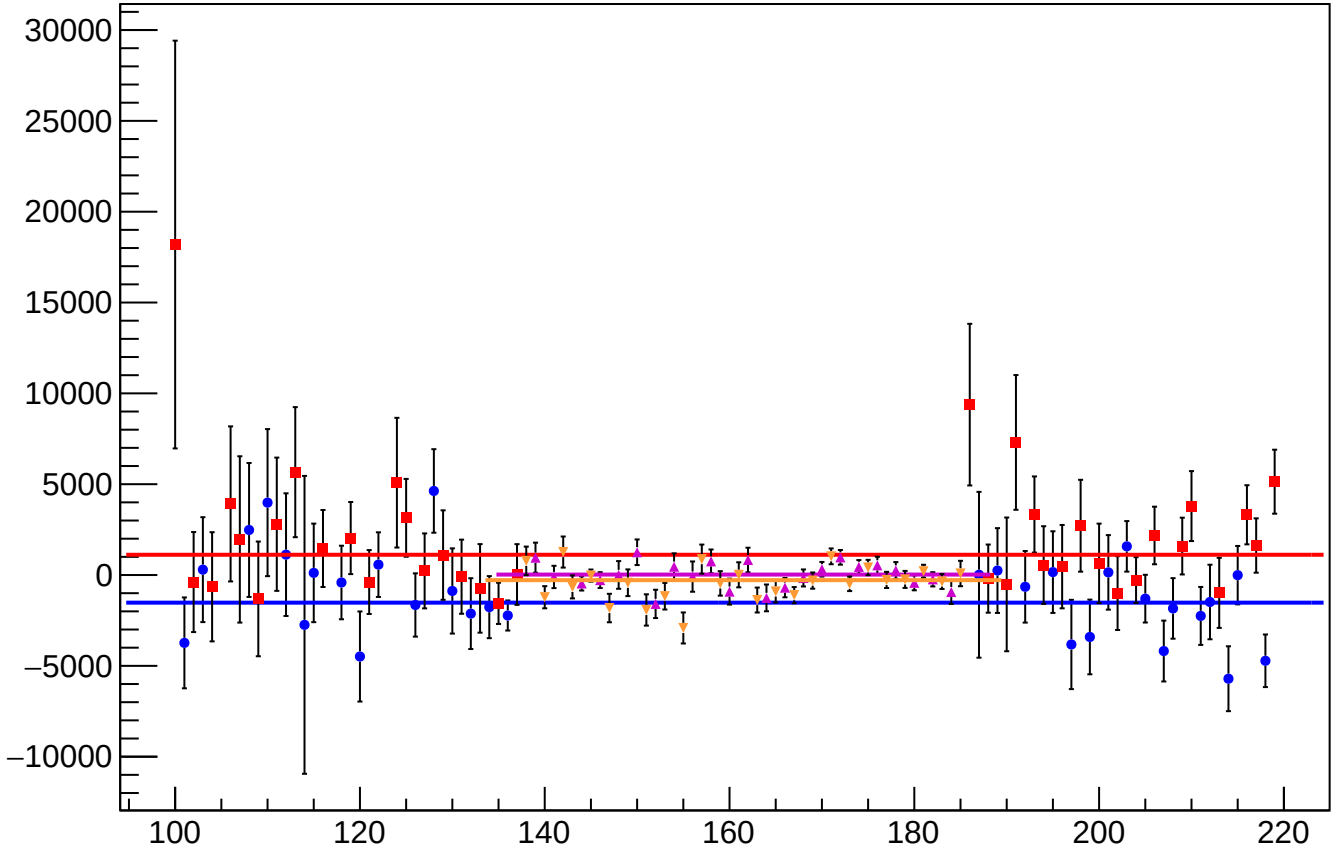
Right: 160.548+/-0.019 χ^2/NDF: 7213526.8/68

In: 114.261+/-0.014 χ^2/NDF:7504548.3/54

Out: 114.350+/-0.014 χ^2/NDF:9789580.6/61

All: 114.307+/-0.010 χ^2/NDF: 17294150.0/1

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1520.960+/-331.698 χ^2/NDF: 39.3/31

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 1115.318+/-343.151 χ^2/NDF: 37.8/36

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

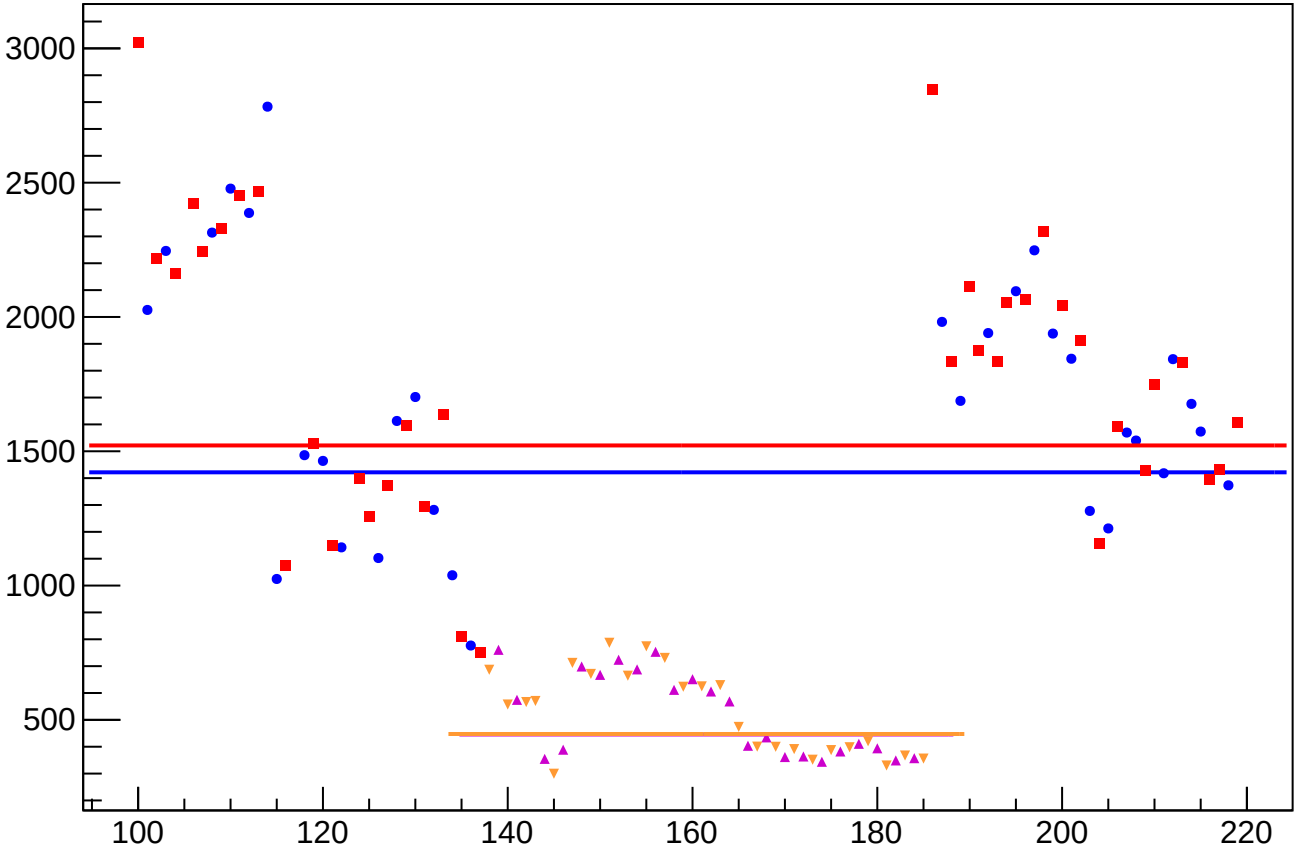
Right: -247.549+/-238.492 χ^2/NDF: 107.5/68

In: -125.719+/-103.452 χ^2/NDF:91.8/54

Out: -159.839+/-101.622 χ^2/NDF:103.3/61

All: -143.084+/-72.496 χ^2/NDF: 195.2/116

asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1421.624+/-0.235 χ^2/NDF: 3336091.6/31

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1521.678+/-0.243 χ^2/NDF: 3504181.0/36

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

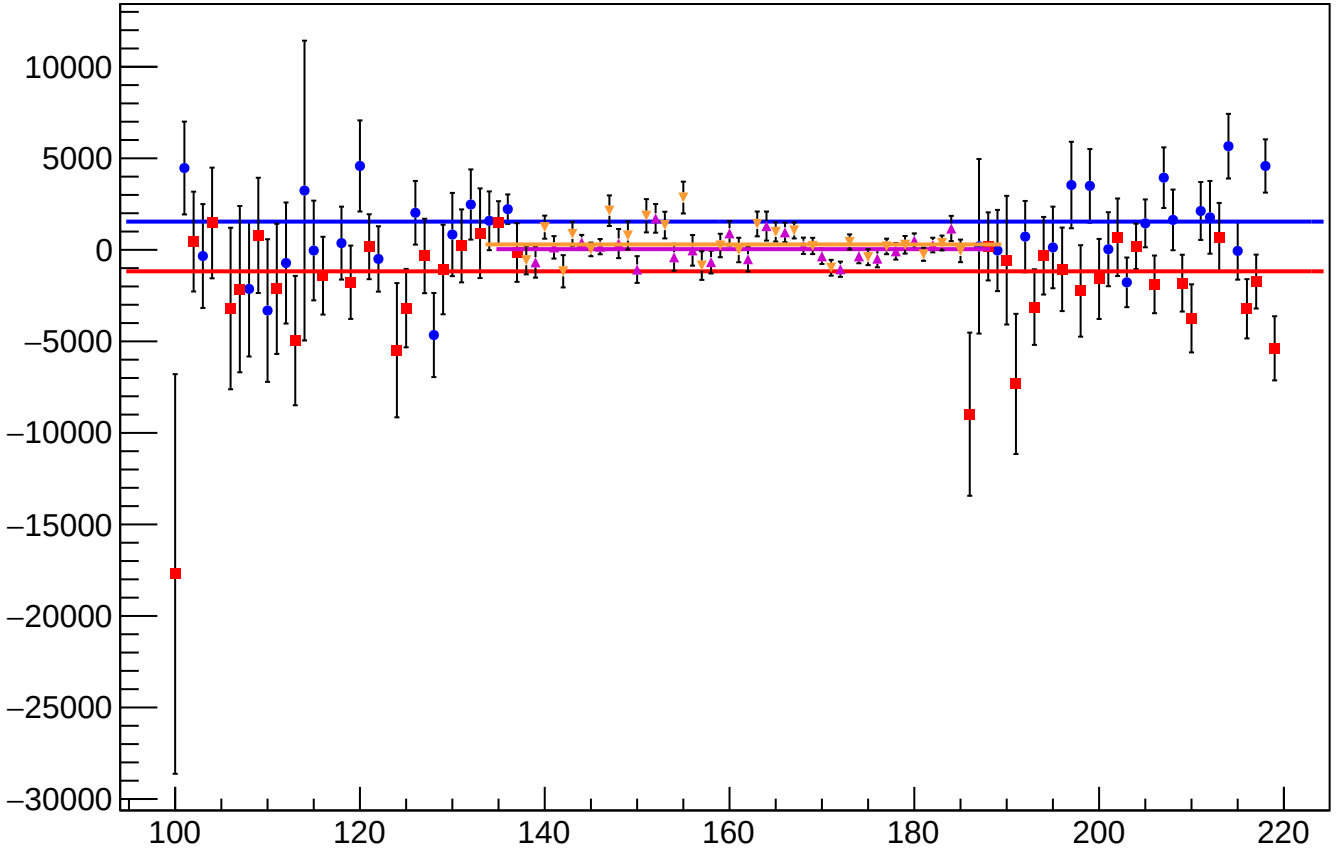
Right: 1469.953+/-0.169 χ^2/NDF: 6928173.1/68

In: 540.443+/-0.073 χ^2/NDF:21685168.7/54

Out: 541.601+/-0.072 χ^2/NDF:24585068.7/61

All: 541.033+/-0.051 χ^2/NDF: 46270365.0/11

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1542.763+/-326.185 χ^2/NDF: 39.2/31

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -1173.079+/-341.367 χ^2/NDF: 35.4/36

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

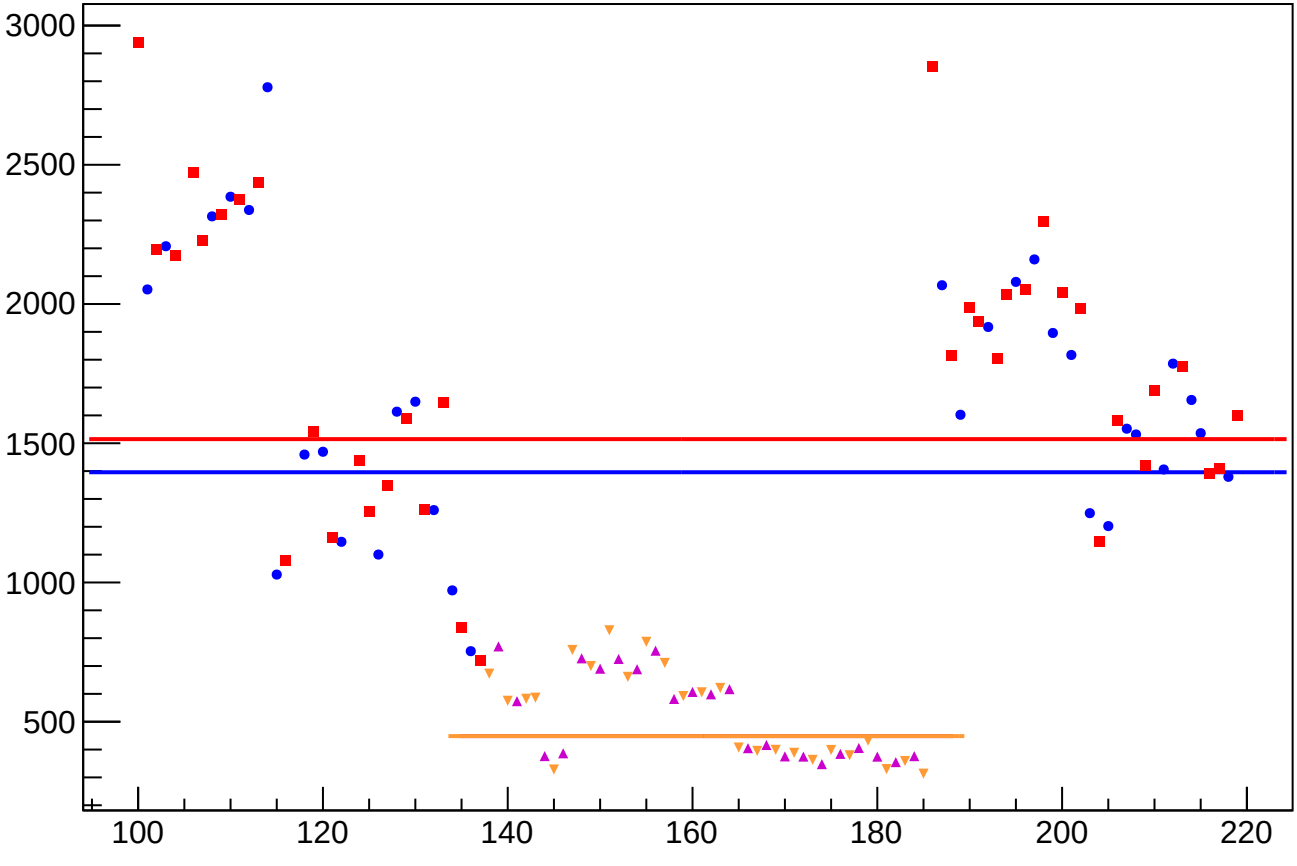
Right: 246.576+/-235.833 χ^2/NDF: 107.7/68

In: 190.037+/-103.650 χ^2/NDF:91.2/54

Out: 164.098+/-101.937 χ^2/NDF:102.7/61

All: 176.851+/-72.678 χ^2/NDF: 194.0/116

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1395.854+/-0.231 χ^2/NDF: 3418043.0/31

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1514.806+/-0.241 χ^2/NDF: 3431858.9/36

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

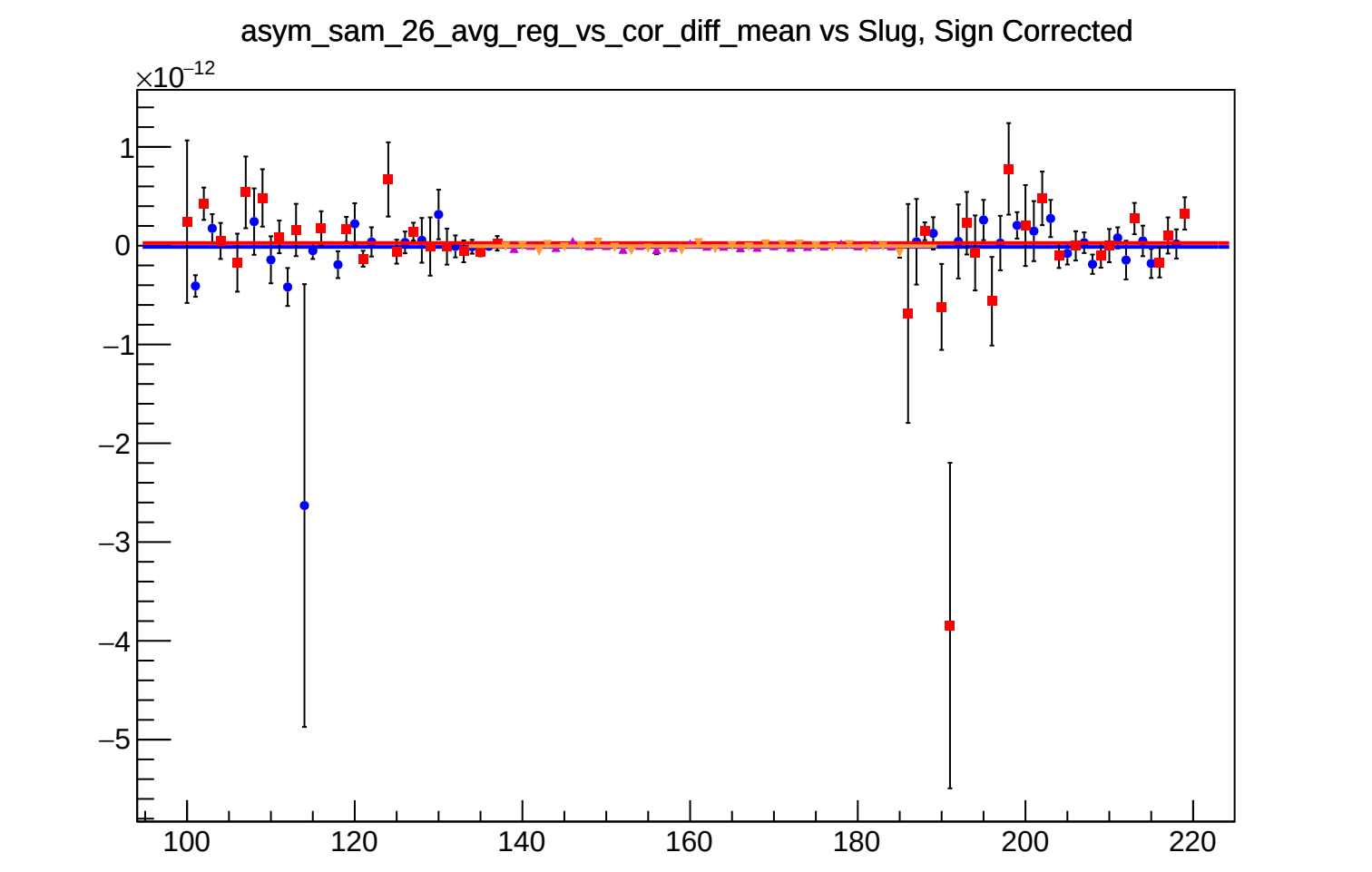
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

Right: 1452.626+/-0.167 χ^2/NDF: 6976843.5/68

In: 544.065+/-0.073 χ^2/NDF:21209039.0/54

Out: 543.380+/-0.072 χ^2/NDF:24370222.5/61

All: 543.717+/-0.051 χ^2/NDF: 45579305.9/11



Right In: -0.000+/-0.000 χ^2/NDF: 41.1/31

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 53.1/36

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

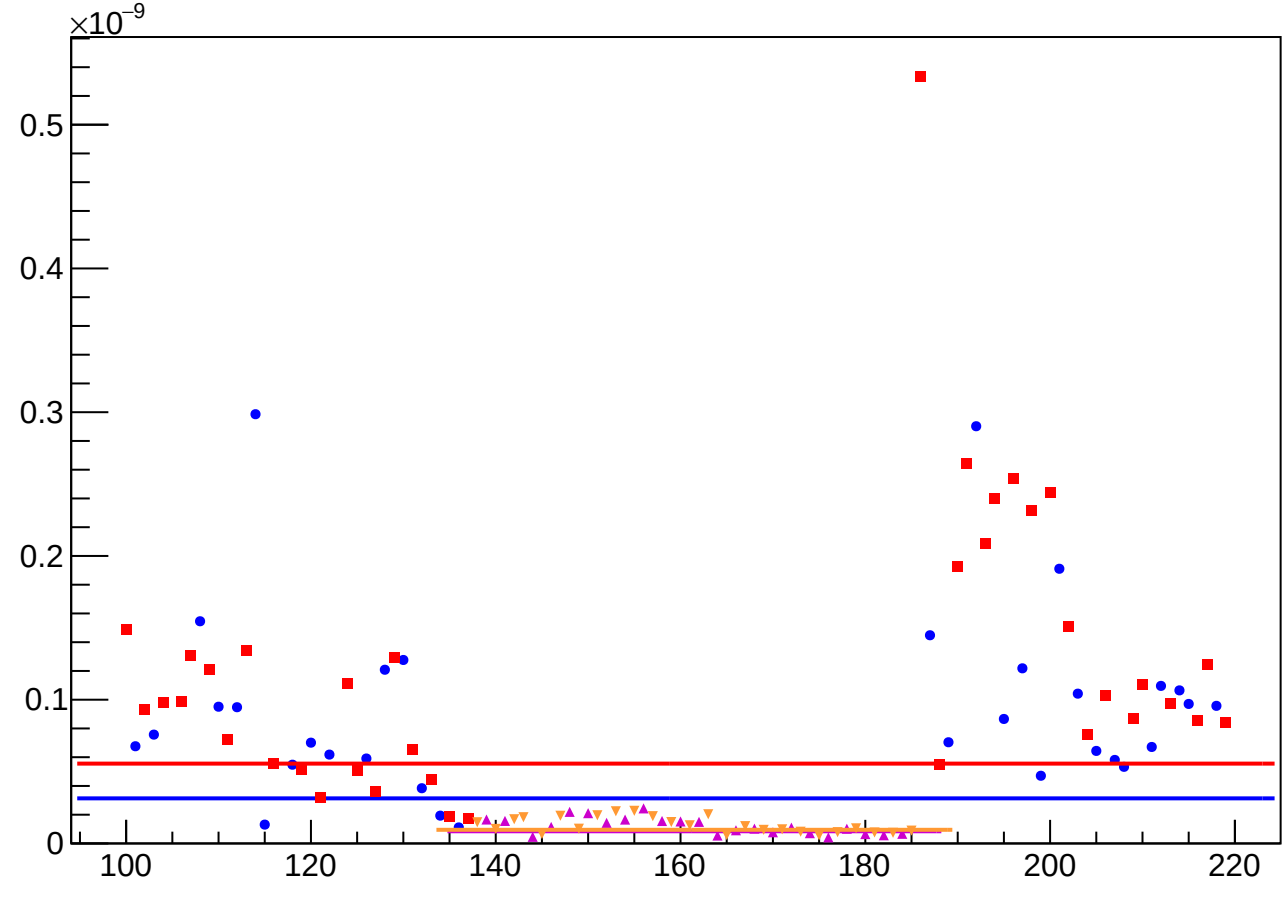
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: -0.000+/-0.000 χ^2/NDF: 96.2/68

In: -0.000+/-0.000 χ^2/NDF:58.1/54

Out: -0.000+/-0.000 χ^2/NDF:78.1/61

All: -0.000+/-0.000 χ^2/NDF: 136.3/116



Right In: 0.000+/-0.000 χ^2/NDF: 8704679.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6843317.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

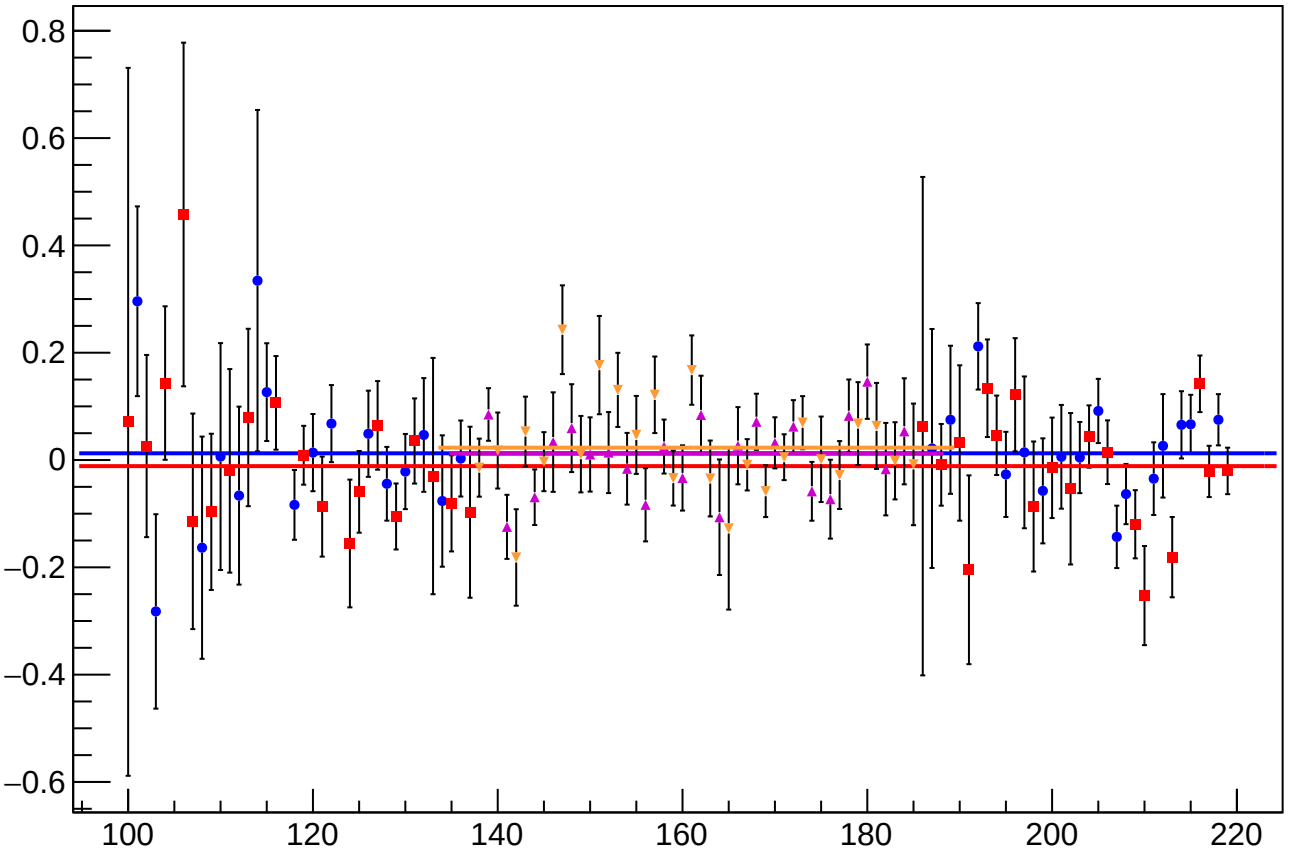
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 17007316.9/68

In: 0.000+/-0.000 χ^2/NDF:15277705.8/54

Out: 0.000+/-0.000 χ^2/NDF:16880230.9/61

All: 0.000+/-0.000 χ^2/NDF: 32240111.0/116



Right In: 0.013+/-0.014 χ^2/NDF: 35.1/31

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.011+/-0.014 χ^2/NDF: 44.2/36

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

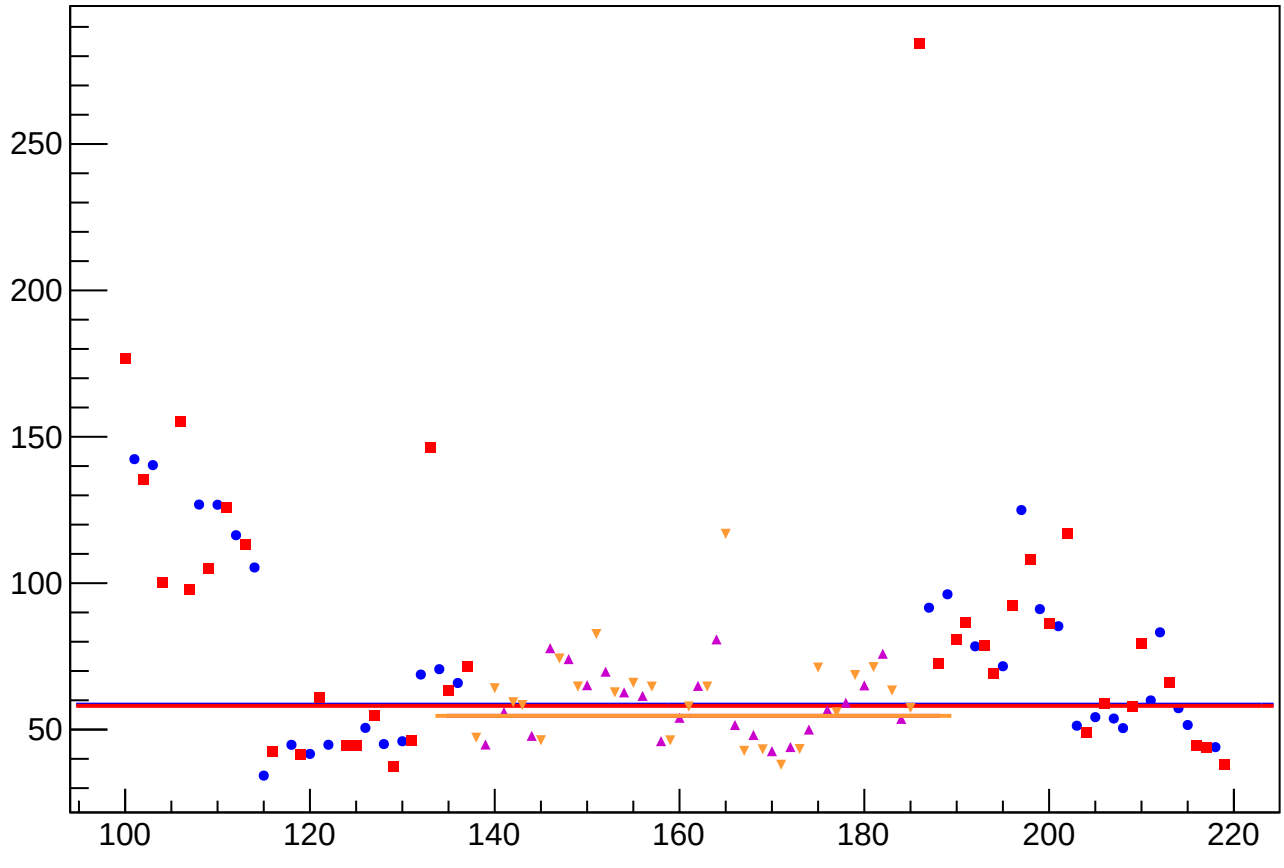
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: 0.000+/-0.010 χ^2/NDF: 80.7/68

In: 0.012+/-0.010 χ^2/NDF:60.9/54

Out: 0.007+/-0.009 χ^2/NDF:81.7/61

All: 0.010+/-0.007 χ^2/NDF: 142.8/116



Right In: 58.507+/-0.010 χ^2/NDF: 3828911.6/31

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 58.108+/-0.010 χ^2/NDF: 5343650.8/36

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

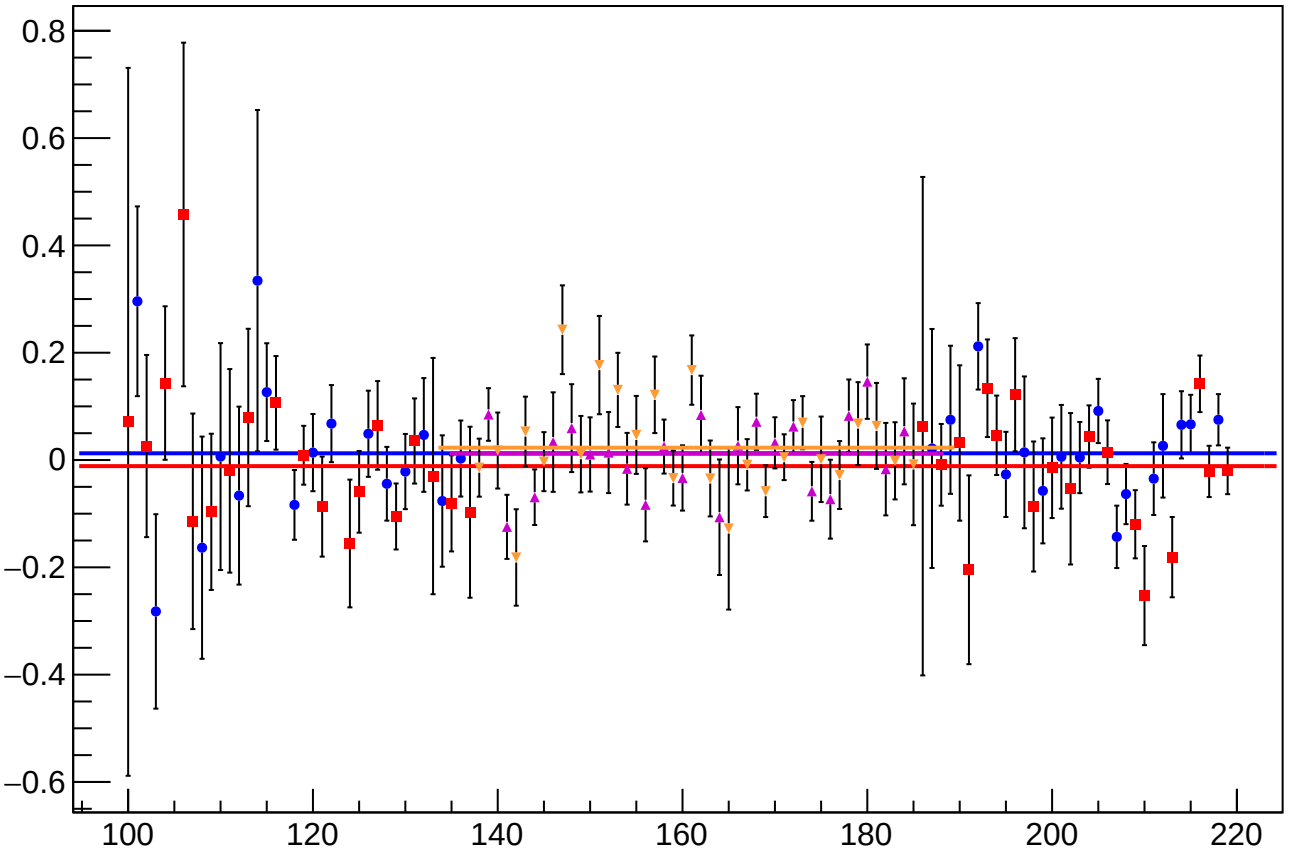
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 58.303+/-0.007 χ^2/NDF: 9173365.7/68

In: 56.463+/-0.007 χ^2/NDF:5096820.3/54

Out: 56.268+/-0.007 χ^2/NDF:7344992.0/61

All: 56.364+/-0.005 χ^2/NDF: 12442224.4/116



Right In: 0.013+/-0.014 χ^2/NDF: 35.1/31

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.011+/-0.014 χ^2/NDF: 44.2/36

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

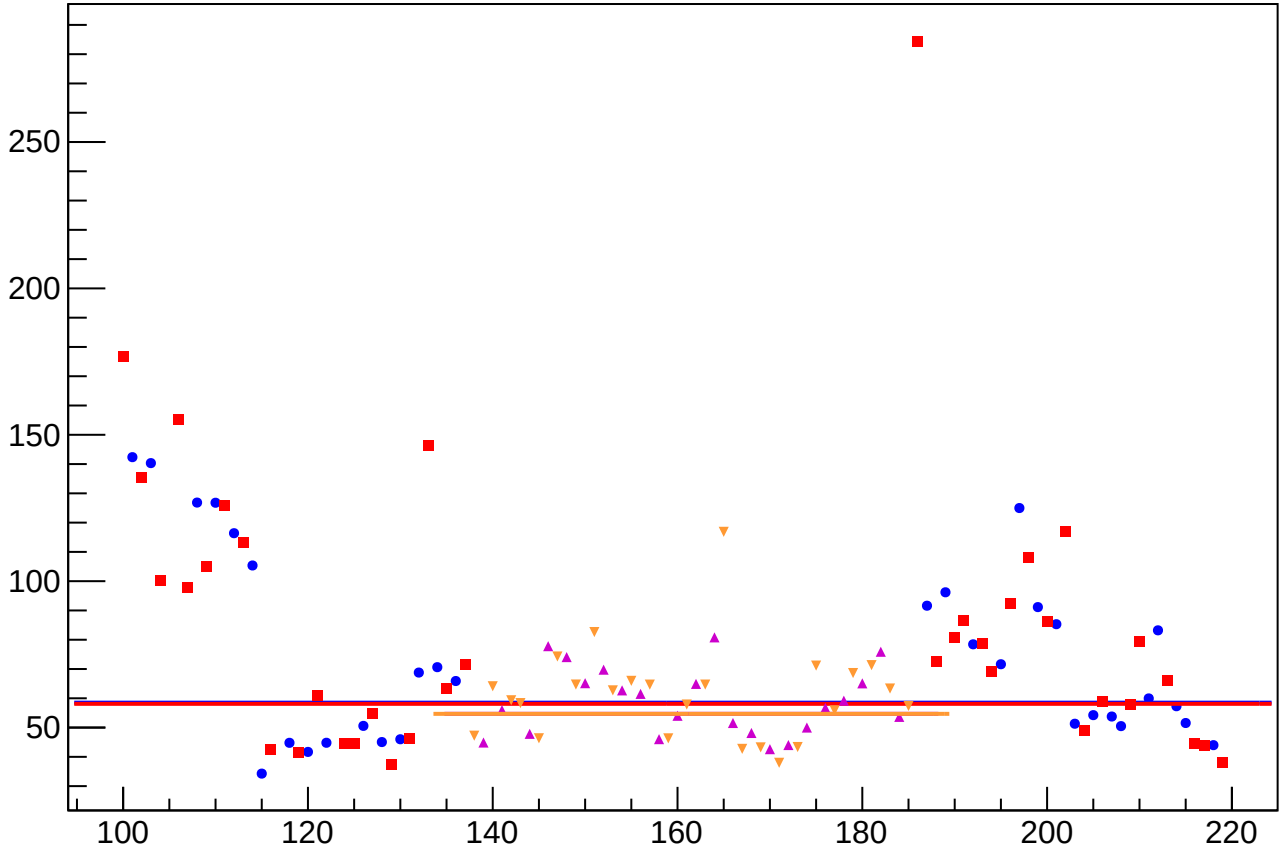
Right: 0.000+/-0.010 χ^2/NDF: 80.7/68

In: 0.012+/-0.010 χ^2/NDF:60.9/54

Out: 0.007+/-0.009 χ^2/NDF:81.7/61

All: 0.010+/-0.007 χ^2/NDF: 142.8/116

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.507+/-0.010 χ^2/NDF: 3828911.6/31

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 58.108+/-0.010 χ^2/NDF: 5343650.8/36

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

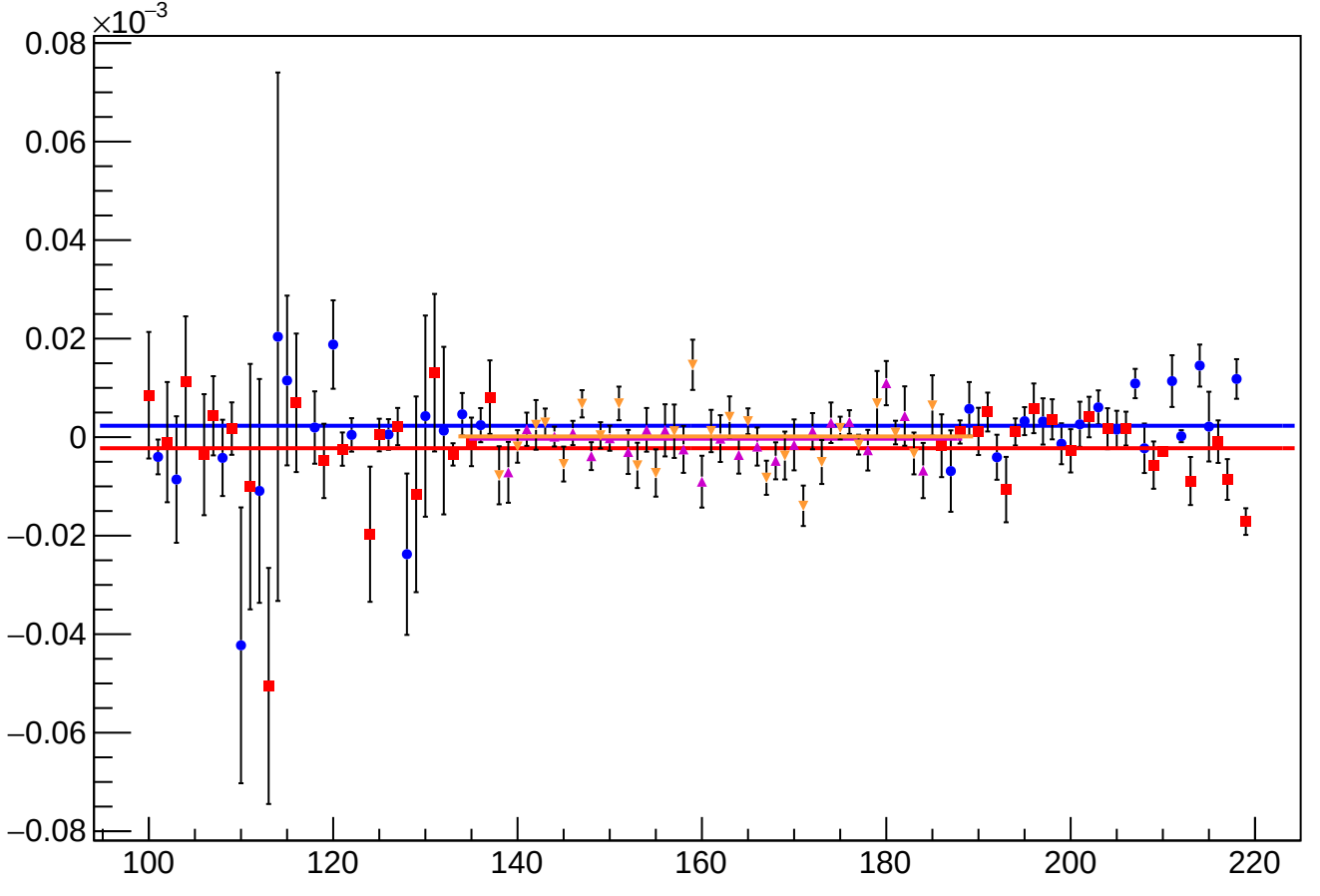
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 58.303+/-0.007 χ^2/NDF: 9173365.7/68

In: 56.463+/-0.007 χ^2/NDF:5096820.3/54

Out: 56.268+/-0.007 χ^2/NDF:7344992.0/61

All: 56.364+/-0.005 χ^2/NDF: 12442224.4/116



Right In: 0.000+/-0.000 χ^2/NDF: 49.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 68.9/36

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

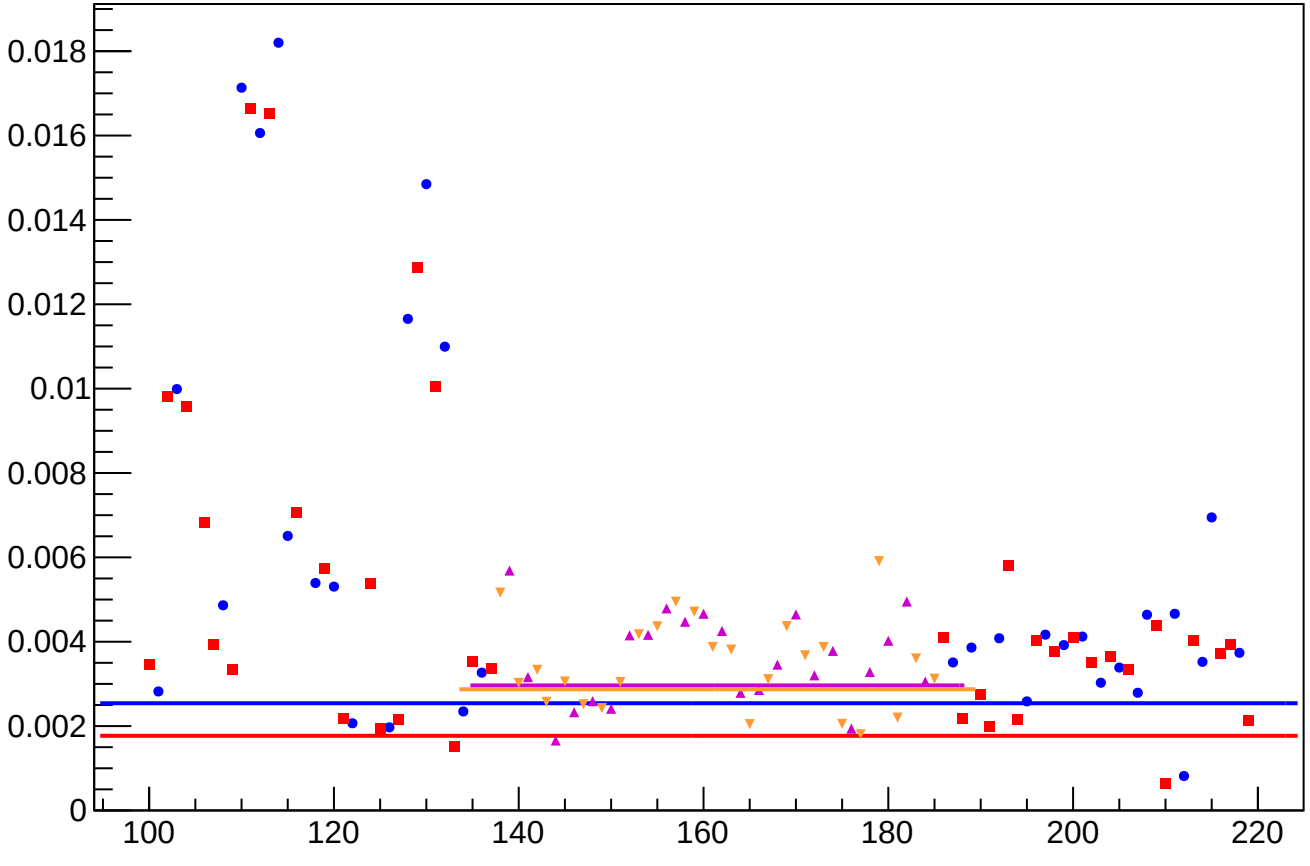
Right: -0.000+/-0.000 χ^2/NDF: 145.1/68

In: 0.000+/-0.000 χ^2/NDF:76.6/54

Out: -0.000+/-0.000 χ^2/NDF:130.2/61

All: -0.000+/-0.000 χ^2/NDF: 220.4/116

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 11907046.5/31

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 16794861.6/36

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

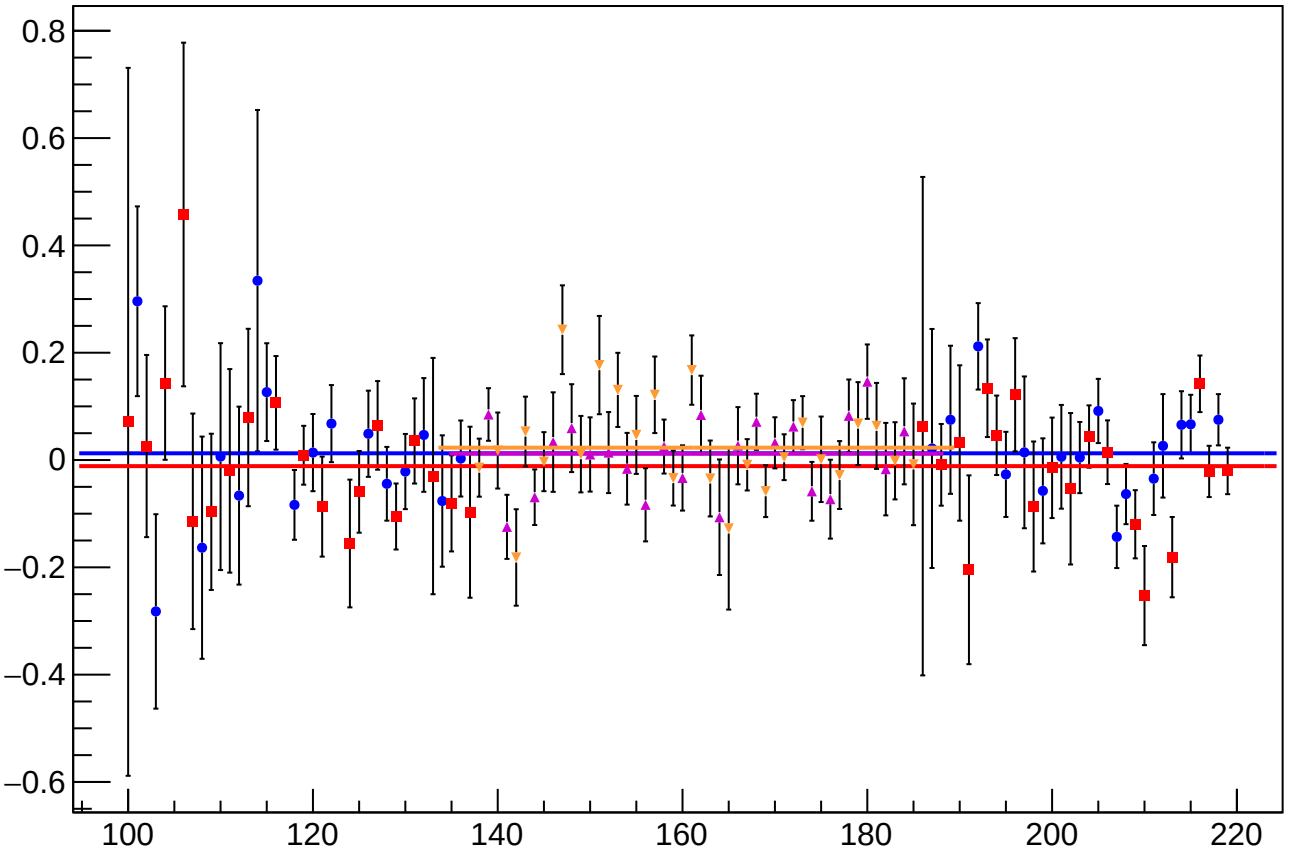
Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

Right: 0.002+/-0.000 χ^2/NDF: 30238227.0/68

In: 0.003+/-0.000 χ^2/NDF:15862364.2/54

Out: 0.002+/-0.000 χ^2/NDF:23621396.3/61

All: 0.002+/-0.000 χ^2/NDF: 40944874.2/116



Right In: 0.013+/-0.014 χ^2/NDF: 35.1/31

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.011+/-0.014 χ^2/NDF: 44.2/36

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

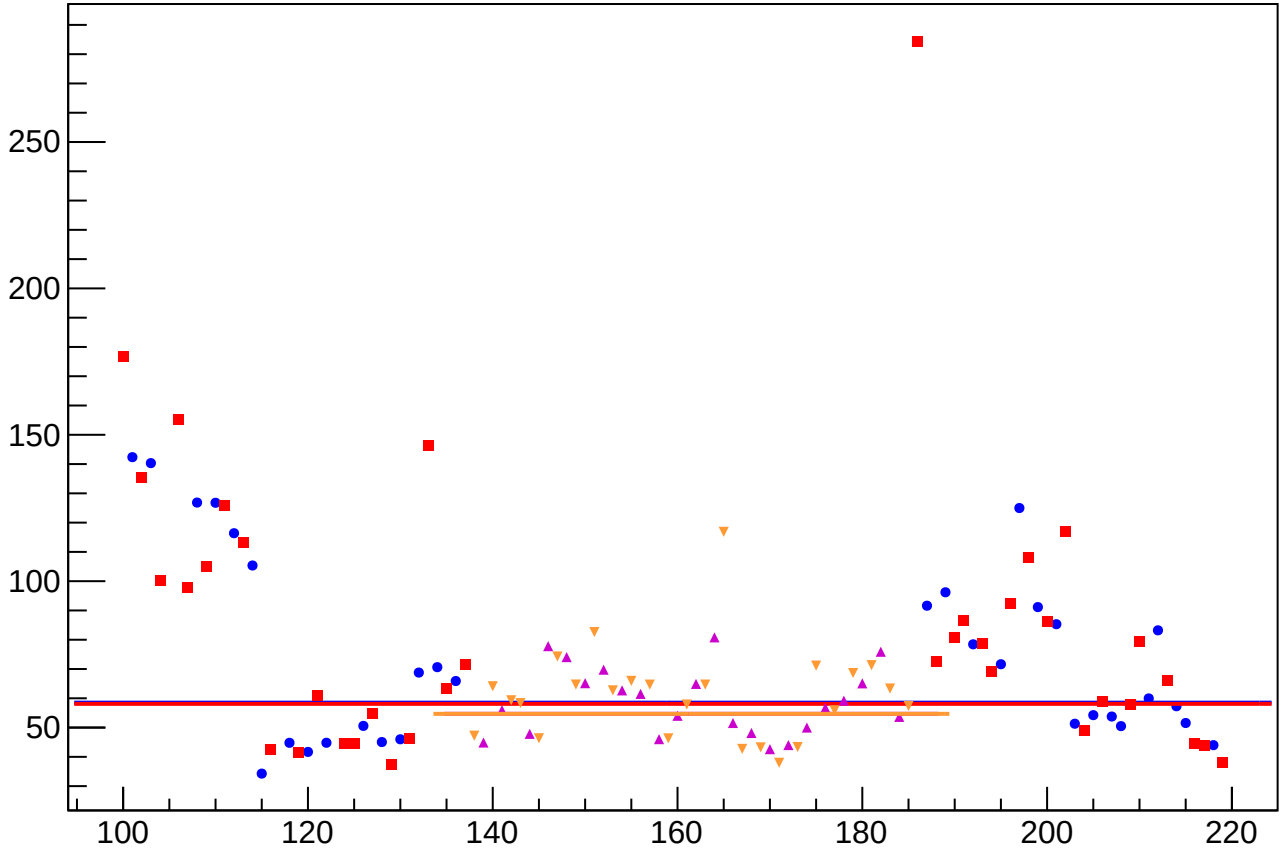
Right: 0.000+/-0.010 χ^2/NDF: 80.7/68

In: 0.012+/-0.010 χ^2/NDF:60.9/54

Out: 0.007+/-0.009 χ^2/NDF:81.7/61

All: 0.010+/-0.007 χ^2/NDF: 142.8/116

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.507+/-0.010 χ^2/NDF: 3828878.1/31

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 58.107+/-0.010 χ^2/NDF: 5343719.1/36

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

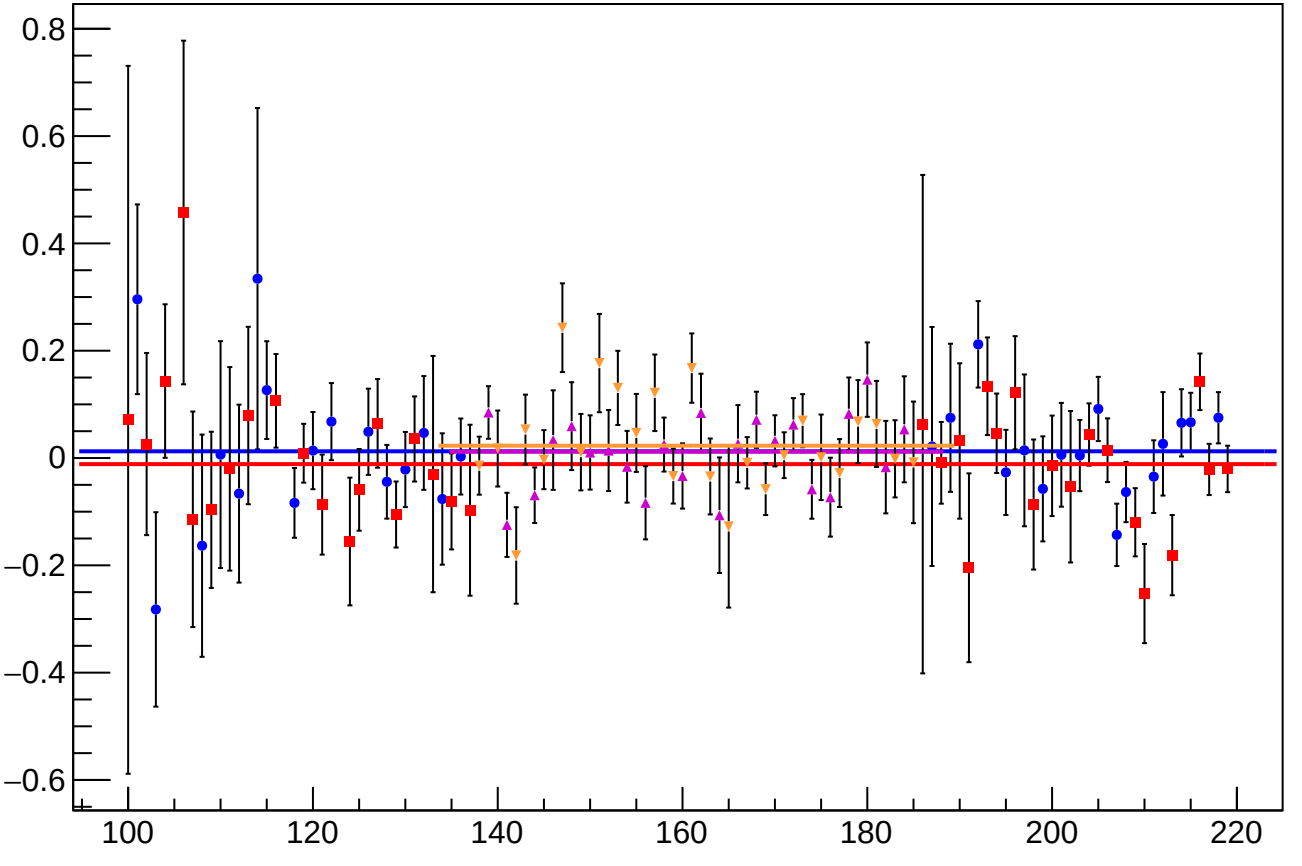
Right: 58.303+/-0.007 χ^2/NDF: 9173402.2/68

In: 56.463+/-0.007 χ^2/NDF:5096728.0/54

Out: 56.268+/-0.007 χ^2/NDF:7345020.8/61

All: 56.364+/-0.005 χ^2/NDF: 12442161.9/116

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.014 χ^2/NDF: 35.1/31

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.011+/-0.014 χ^2/NDF: 44.2/36

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

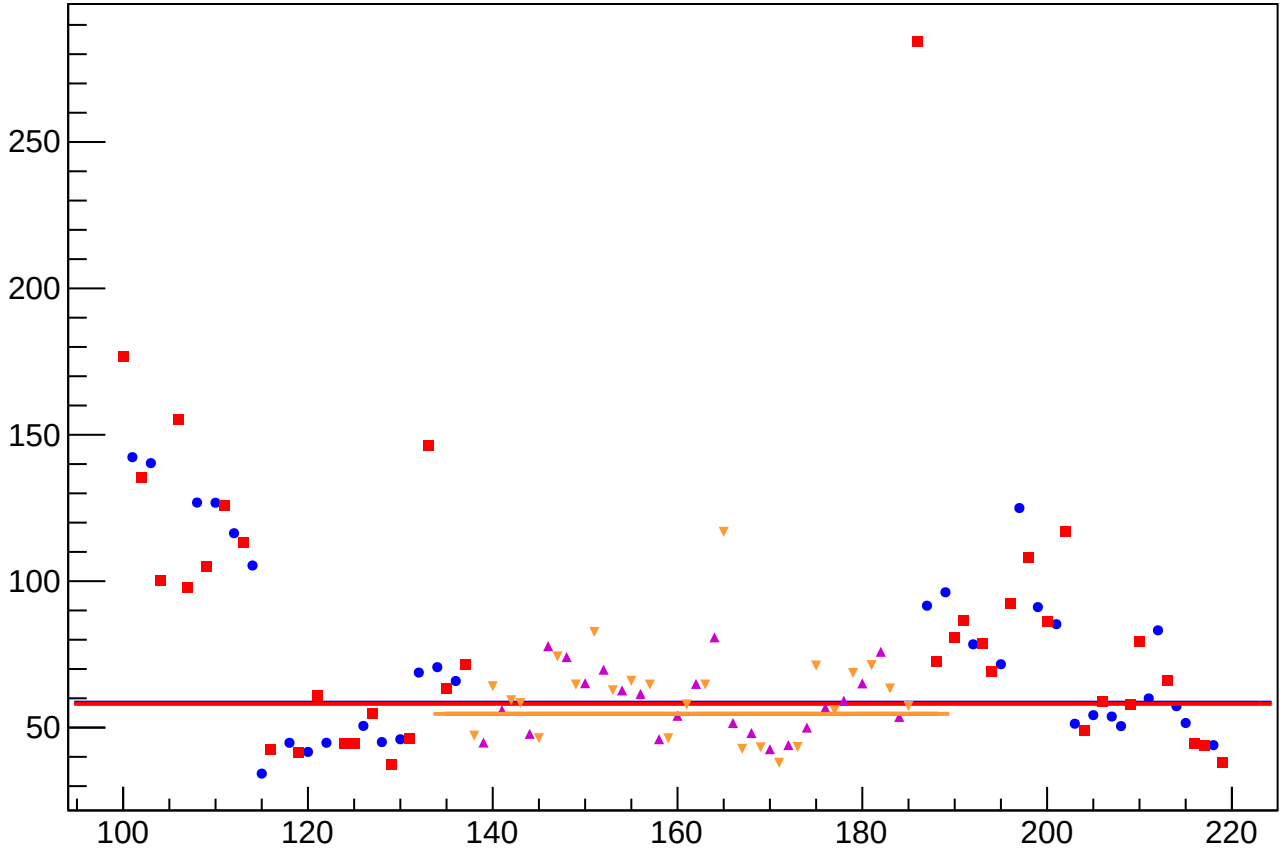
Right: 0.000+/-0.010 χ^2/NDF: 80.7/68

In: 0.012+/-0.010 χ^2/NDF:60.9/54

Out: 0.007+/-0.009 χ^2/NDF:81.7/61

All: 0.010+/-0.007 χ^2/NDF: 142.8/116

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.507+/-0.010 χ^2/NDF: 3828878.1/31

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 58.107+/-0.010 χ^2/NDF: 5343719.1/36

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

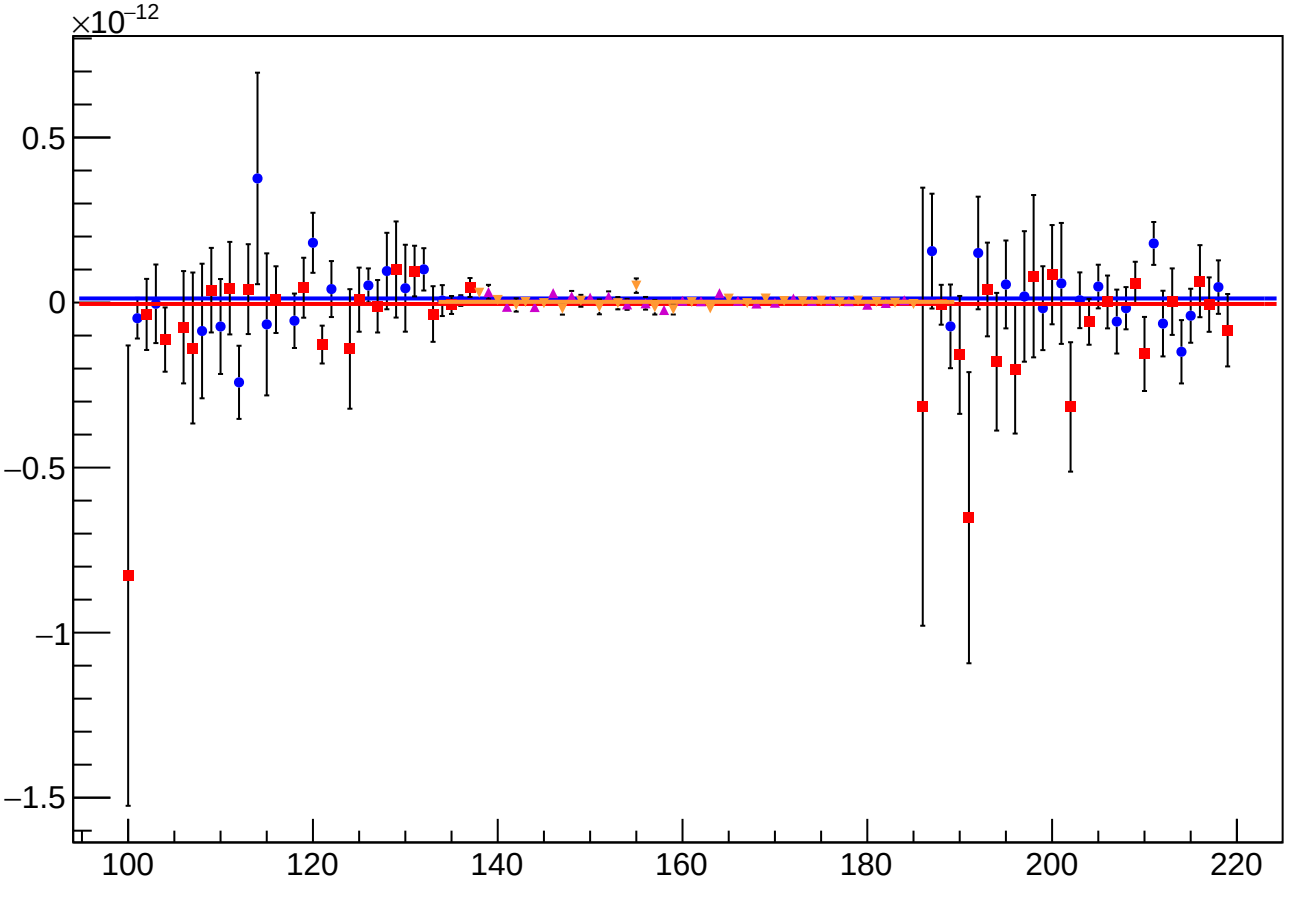
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 58.303+/-0.007 χ^2/NDF: 9173402.2/68

In: 56.463+/-0.007 χ^2/NDF:5096728.0/54

Out: 56.268+/-0.007 χ^2/NDF:7345020.8/61

All: 56.364+/-0.005 χ^2/NDF: 12442161.9/116



Right In: 0.000+/-0.000 χ^2/NDF: 29.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/36

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

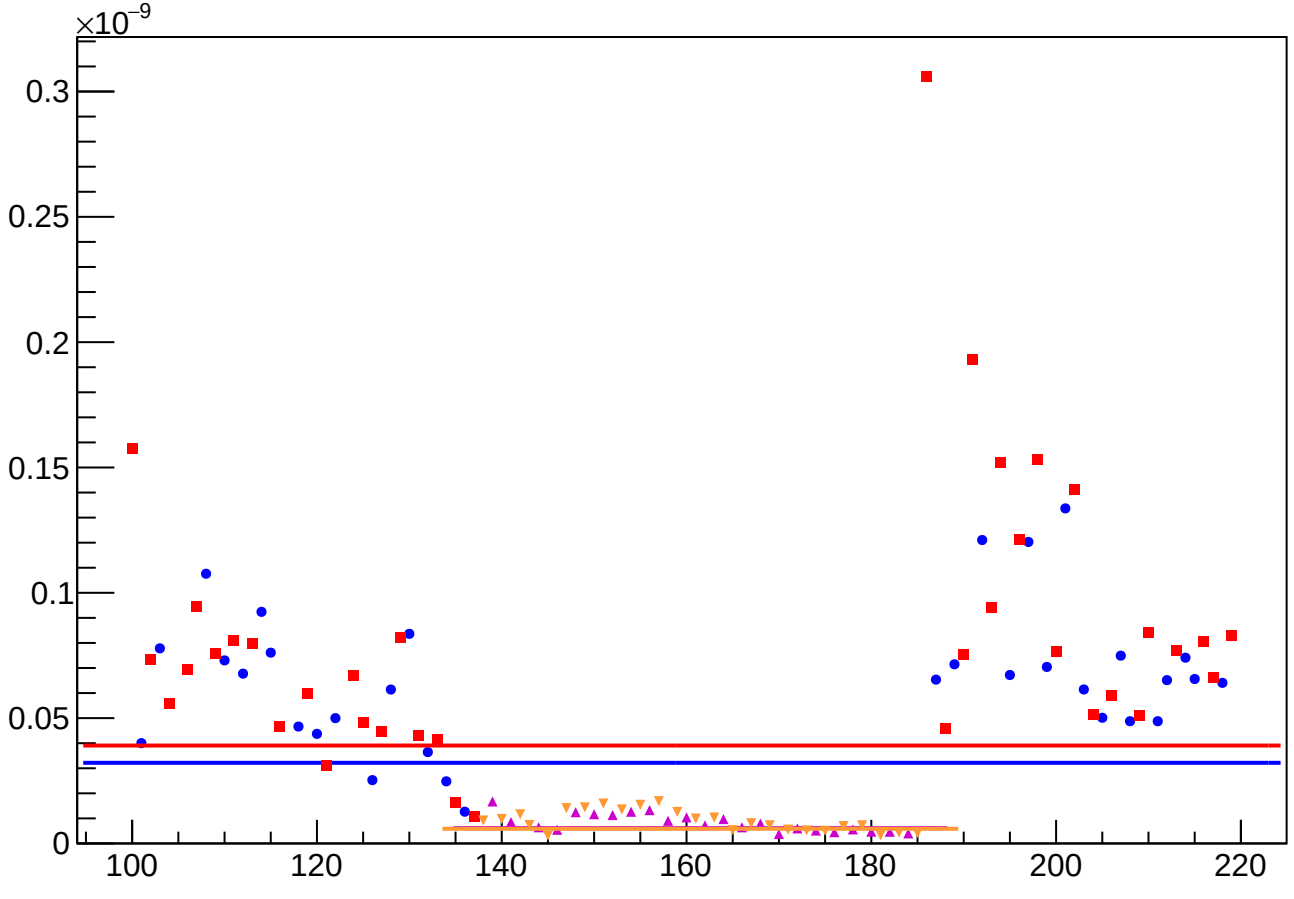
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 56.9/68

In: 0.000+/-0.000 χ^2/NDF:63.1/54

Out: 0.000+/-0.000 χ^2/NDF:47.7/61

All: 0.000+/-0.000 χ^2/NDF: 110.9/116



Right In: 0.000+/-0.000 χ^2/NDF: 9166870.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9505834.6/36

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

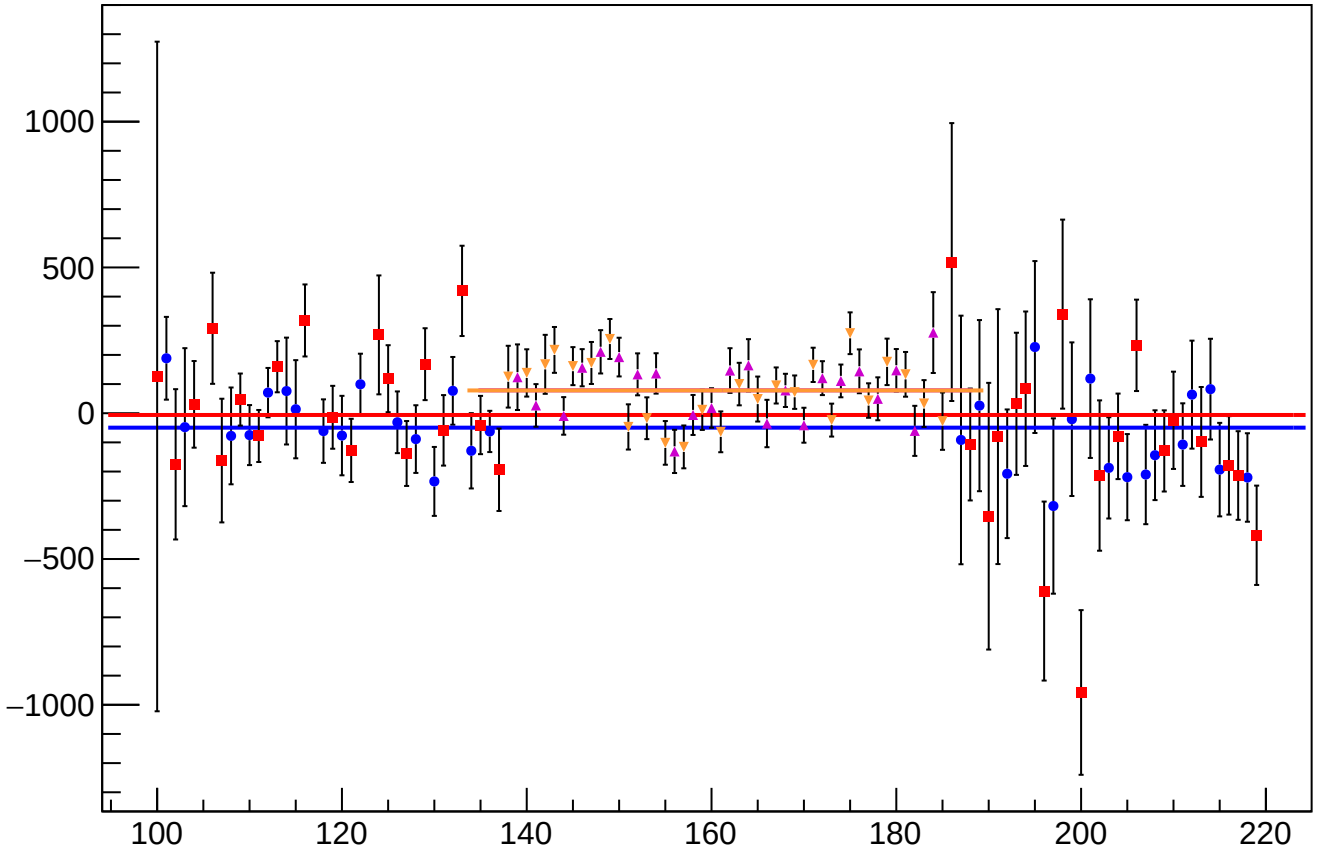
Right: 0.000+/-0.000 χ^2/NDF: 18985684.0/68

In: 0.000+/-0.000 χ^2/NDF:22675727.5/54

Out: 0.000+/-0.000 χ^2/NDF:27492802.2/61

All: 0.000+/-0.000 χ^2/NDF: 50202658.6/116

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -49.506+/-24.732 χ^2/NDF: 20.8/31

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -5.983+/-24.461 χ^2/NDF: 63.9/36

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

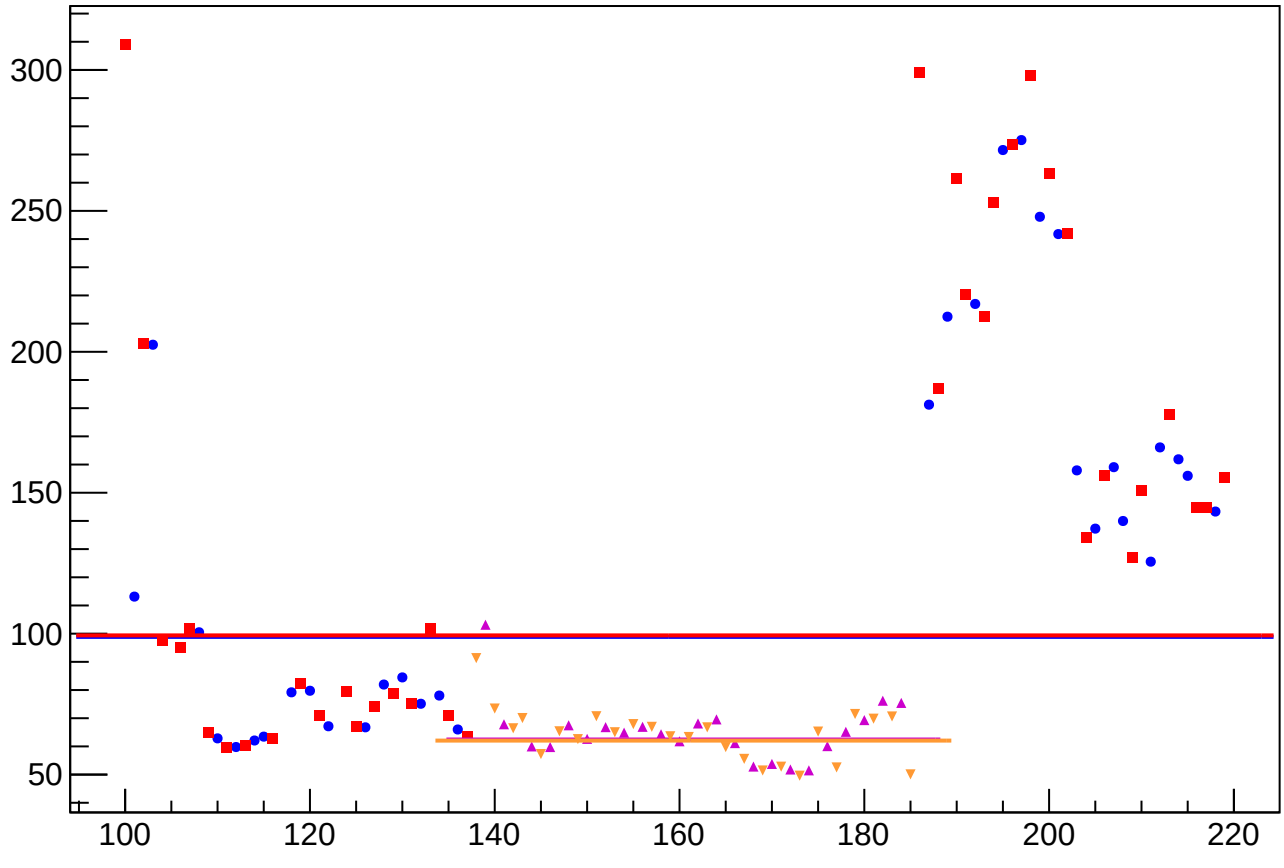
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: -27.505+/-17.392 χ^2/NDF: 86.3/68

In: 44.714+/-12.707 χ^2/NDF:77.2/54

Out: 56.670+/-12.362 χ^2/NDF:126.6/61

All: 50.857+/-8.861 χ^2/NDF: 204.2/116



Right In: 98.859+/-0.017 χ^2/NDF: 7561113.6/31

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 99.386+/-0.017 χ^2/NDF: 9029995.2/36

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

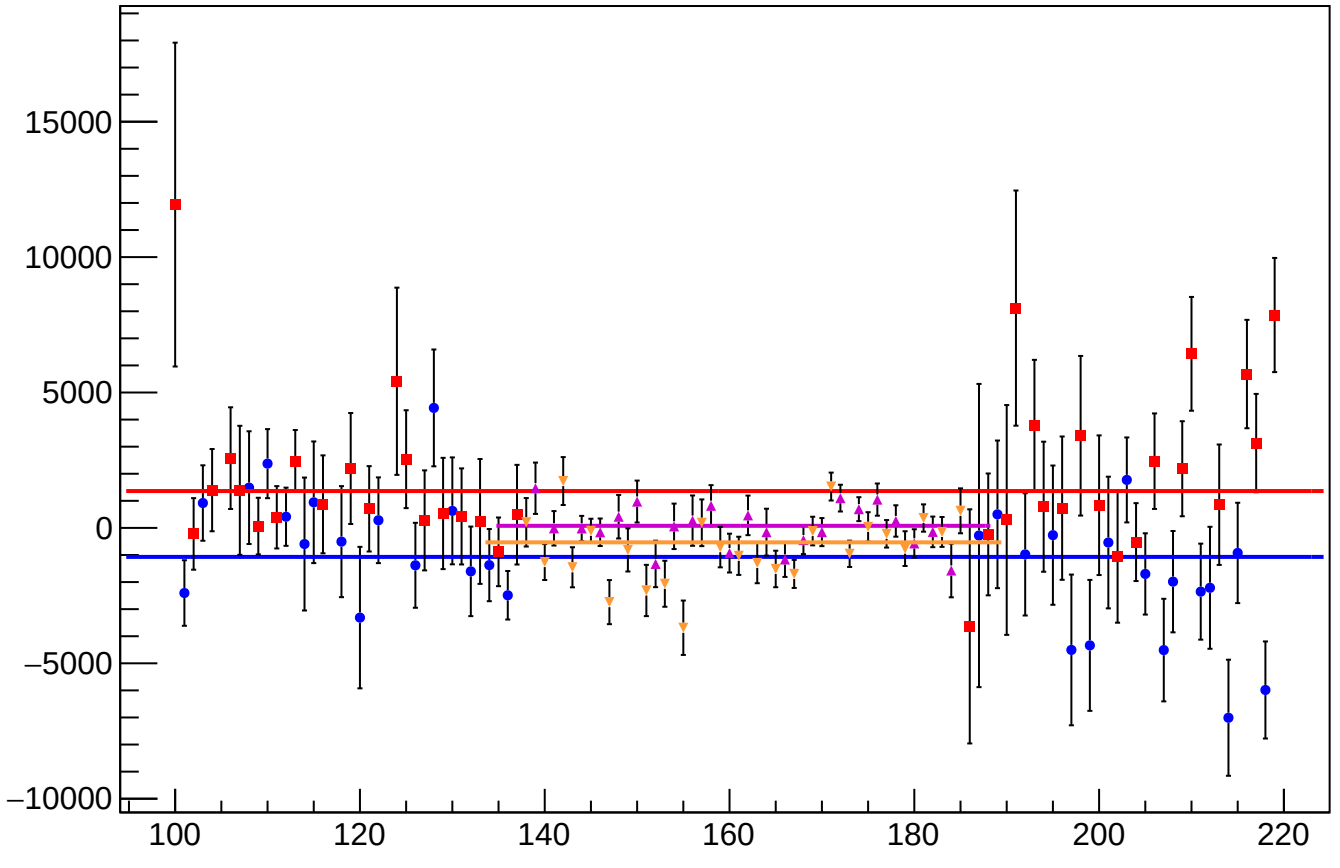
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 99.125+/-0.012 χ^2/NDF: 16591568.2/68

In: 72.057+/-0.009 χ^2/NDF:11416729.9/54

Out: 71.594+/-0.009 χ^2/NDF:13183564.5/61

All: 71.819+/-0.006 χ^2/NDF: 24601658.0/116



Right In: -1070.460+/-303.678 χ^2/NDF: 53.1/31

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: 1361.830+/-303.844 χ^2/NDF: 45.0/36

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

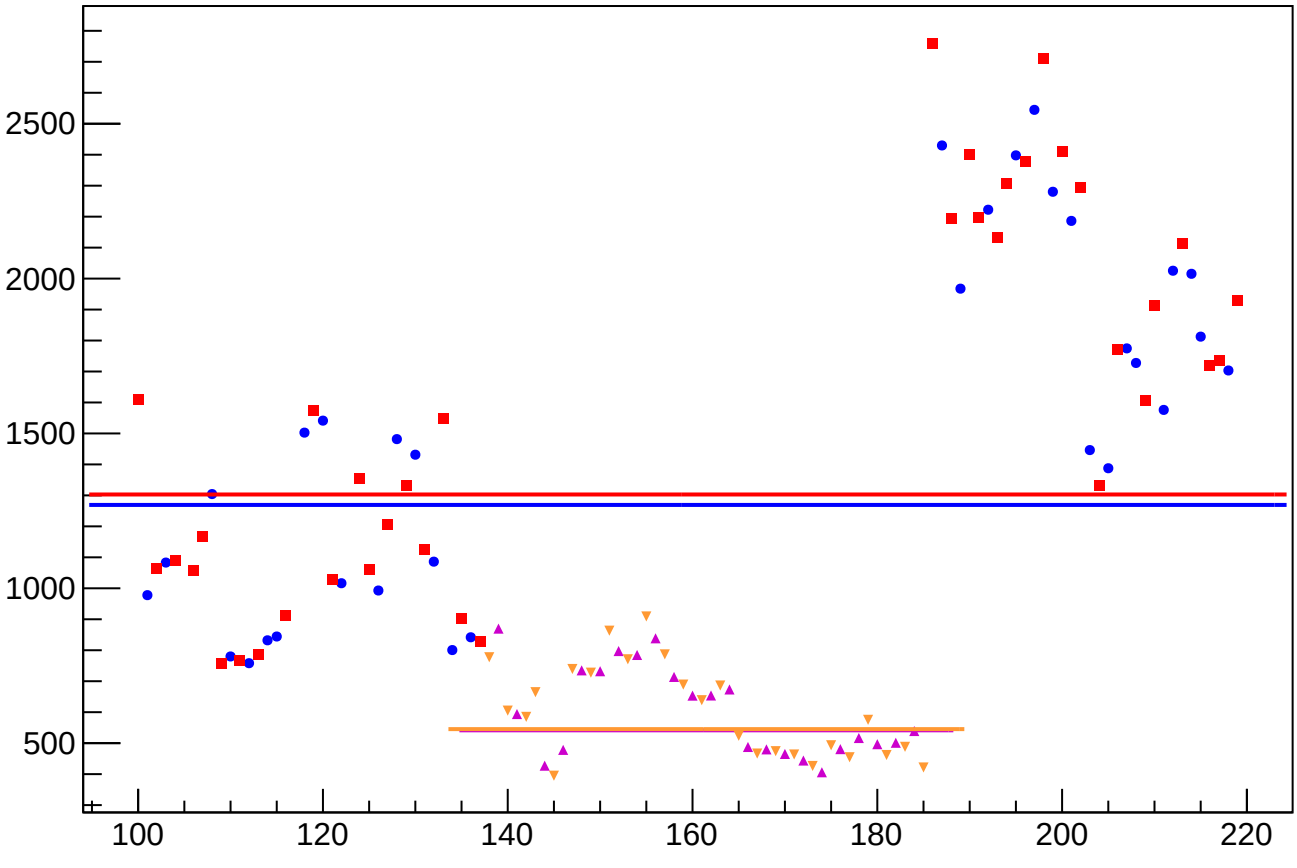
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 145.018+/-214.792 χ^2/NDF: 130.2/68

In: -101.115+/-119.756 χ^2/NDF:93.5/54

Out: -247.503+/-117.903 χ^2/NDF:147.1/61

All: -175.451+/-84.017 χ^2/NDF: 241.4/116



Right In: 1269.205+/-0.215 χ^2/NDF: 5085590.0/31

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1302.917+/-0.215 χ^2/NDF: 5979414.4/36

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

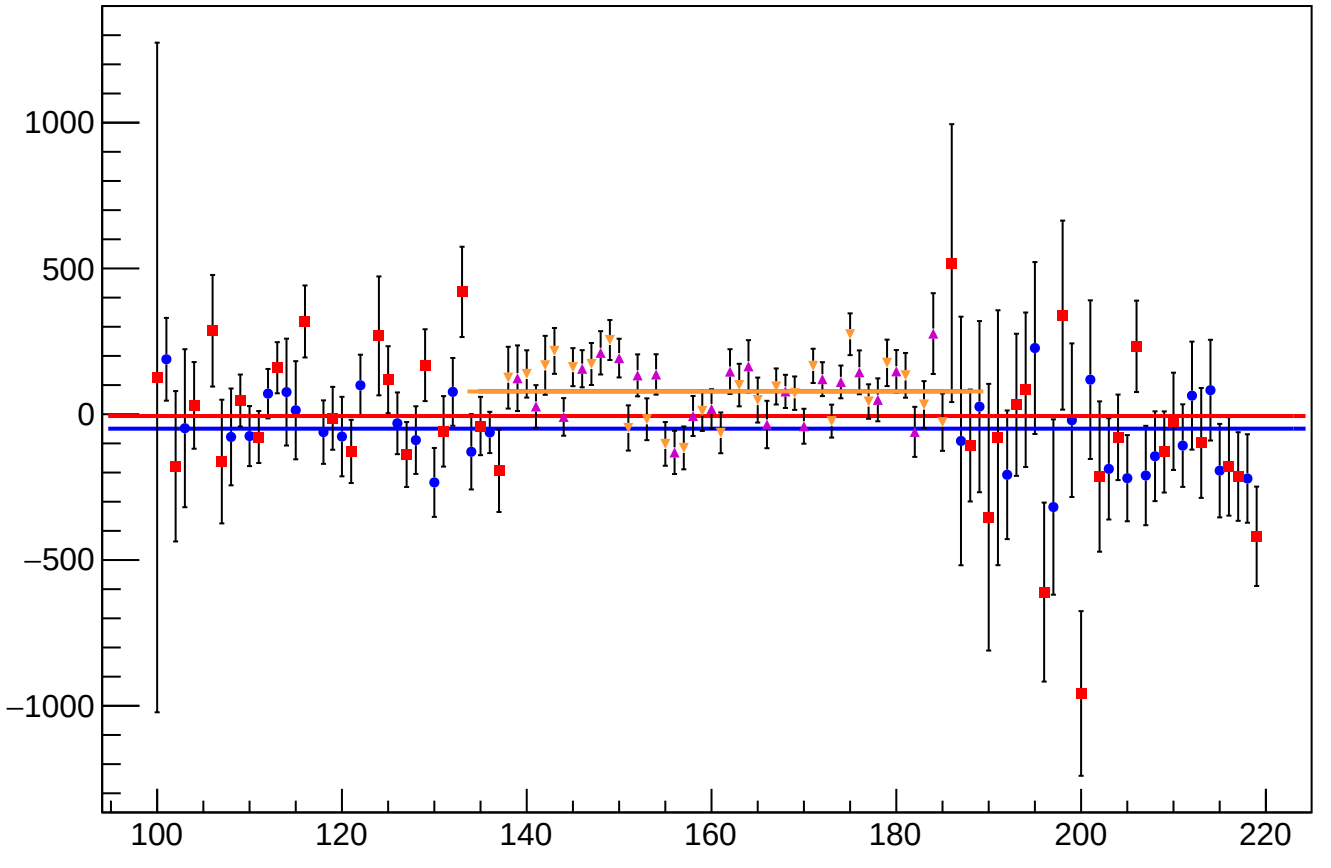
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1286.052+/-0.152 χ^2/NDF: 11077321.3/68

In: 654.633+/-0.085 χ^2/NDF:16625608.3/54

Out: 659.380+/-0.083 χ^2/NDF:18625163.0/61

All: 657.043+/-0.059 χ^2/NDF: 35252367.0/1



Right In: -49.514+/-24.732 χ^2/NDF: 20.8/31

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -6.136+/-24.463 χ^2/NDF: 63.8/36

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

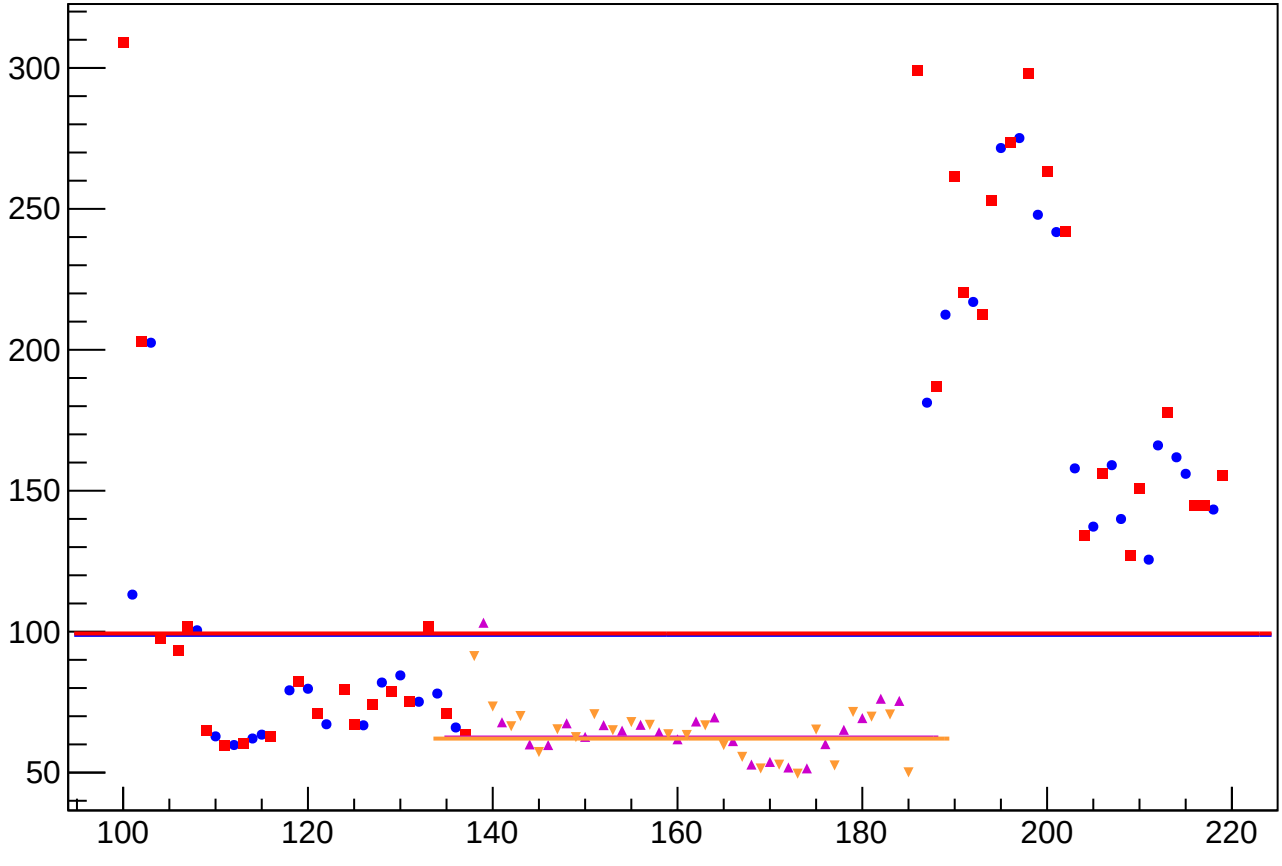
Right: -27.588+/-17.392 χ^2/NDF: 86.2/68

In: 44.713+/-12.707 χ^2/NDF:77.2/54

Out: 56.636+/-12.362 χ^2/NDF:126.5/61

All: 50.839+/-8.861 χ^2/NDF: 204.2/116

cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 98.859+/-0.017 χ^2/NDF: 7561116.0/31

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 99.359+/-0.017 χ^2/NDF: 9031173.6/36

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

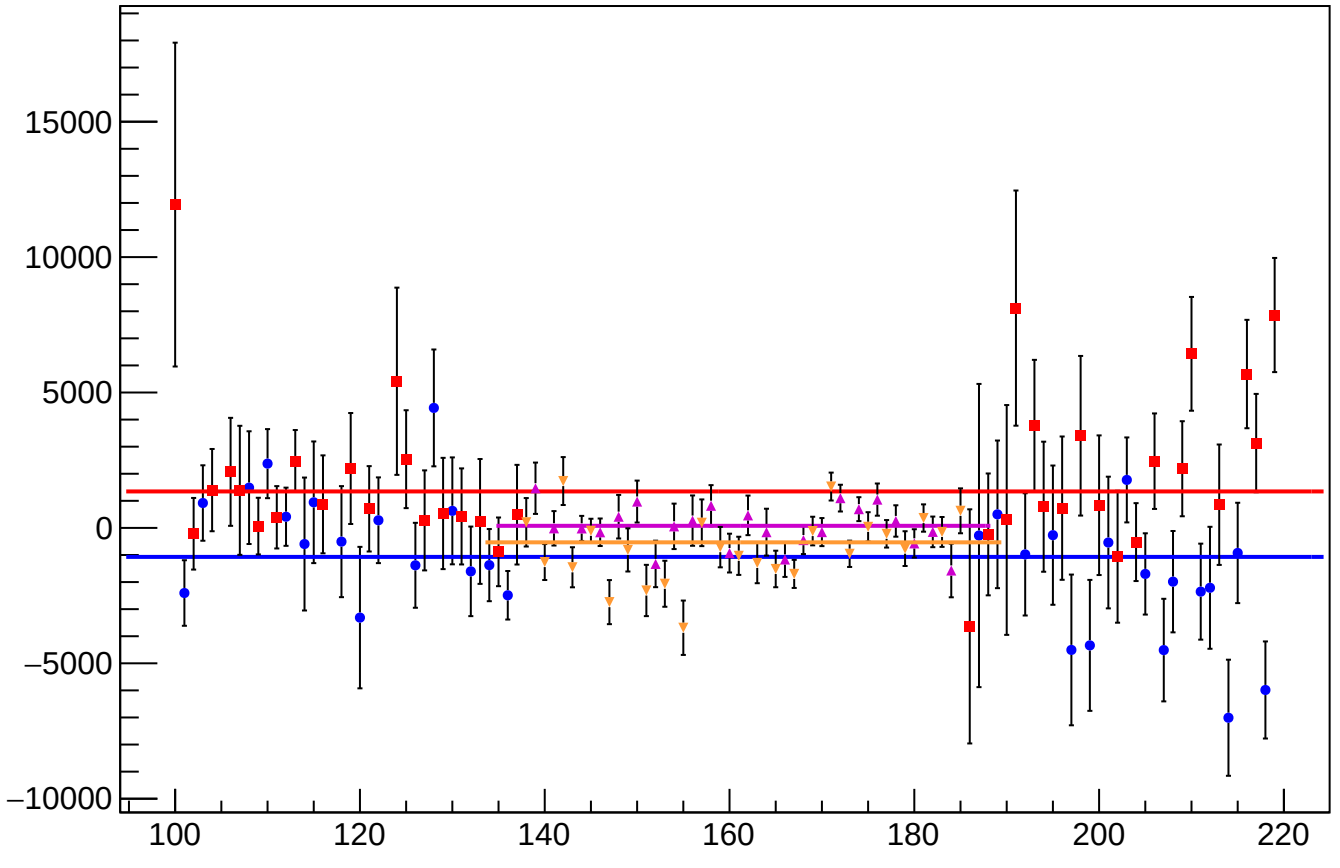
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 99.111+/-0.012 χ^2/NDF: 16592702.9/68

In: 72.057+/-0.009 χ^2/NDF:11416731.9/54

Out: 71.586+/-0.009 χ^2/NDF:13179321.2/61

All: 71.815+/-0.006 χ^2/NDF: 24597464.0/116



Right In: -1070.457+/-303.680 χ^2/NDF: 53.1/31

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 1346.958+/-304.308 χ^2/NDF: 44.7/36

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

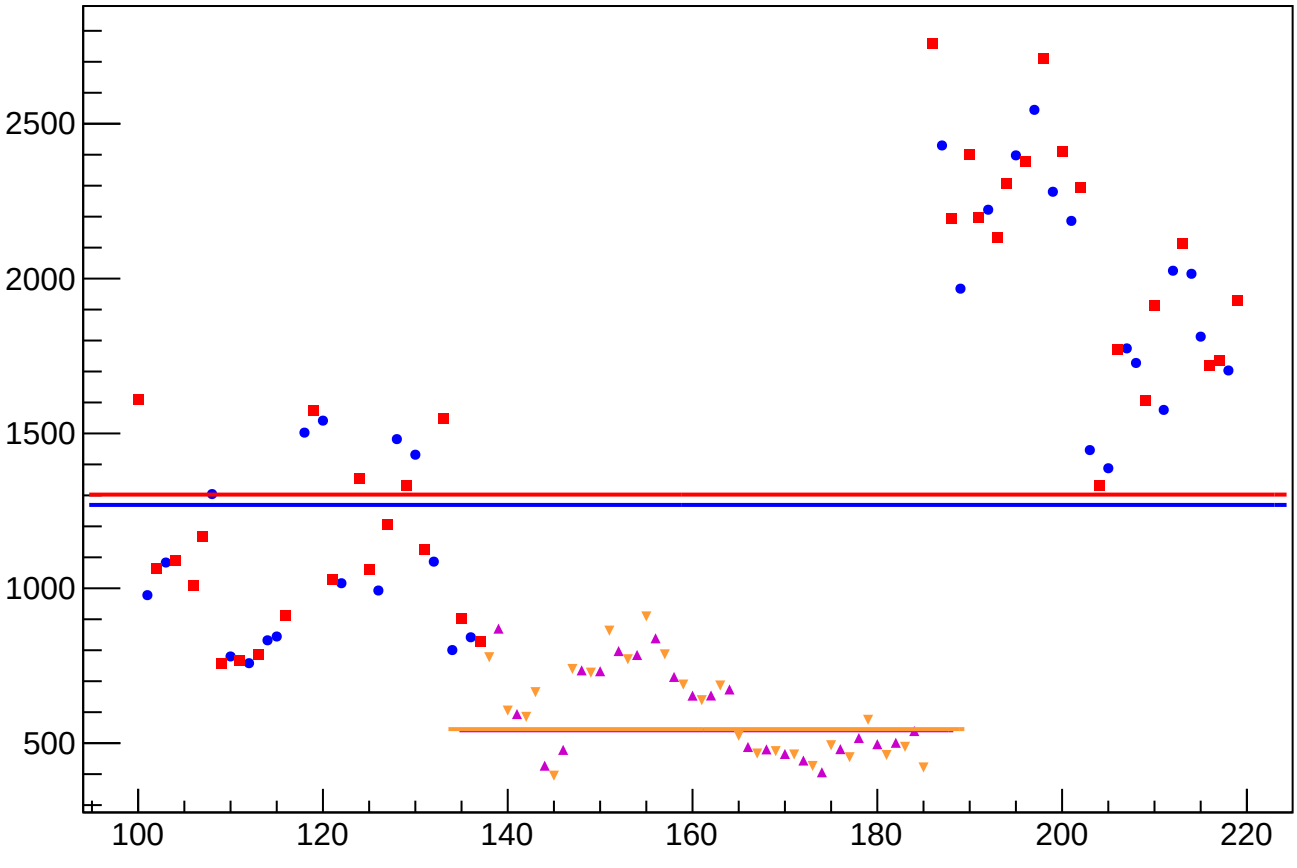
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 135.751+/-214.956 χ^2/NDF: 129.4/68

In: -101.113+/-119.756 χ^2/NDF:93.5/54

Out: -250.473+/-117.930 χ^2/NDF:146.2/61

All: -176.941+/-84.027 χ^2/NDF: 240.6/116



Right In: 1269.212+/-0.215 χ^2/NDF: 5085546.8/31

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1302.586+/-0.215 χ^2/NDF: 5988077.4/36

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

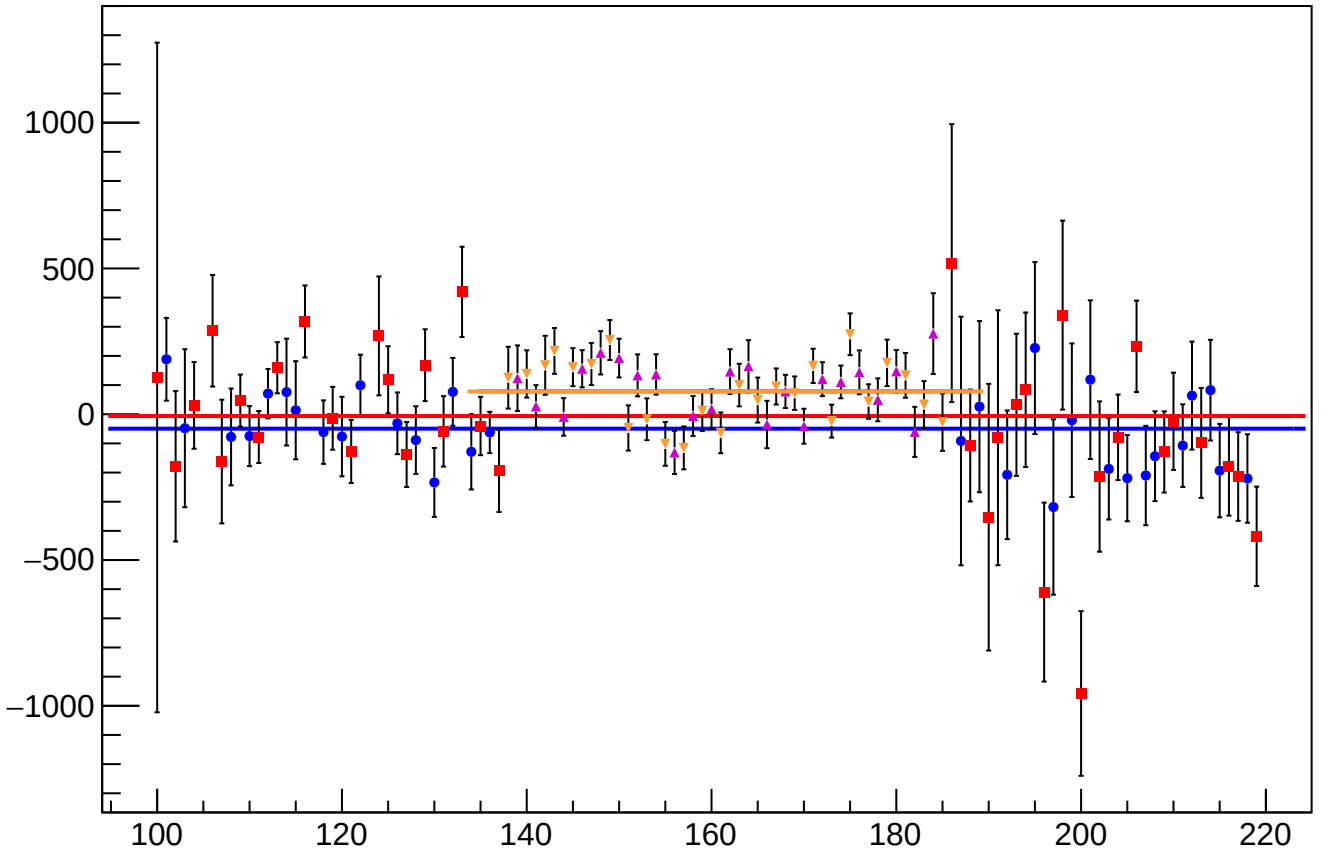
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1285.865+/-0.152 χ^2/NDF: 11085676.9/68

In: 654.633+/-0.085 χ^2/NDF:16625663.0/54

Out: 659.035+/-0.083 χ^2/NDF:18597291.7/61

All: 656.868+/-0.059 χ^2/NDF: 35224326.5/11



Right In: -49.514+/-24.732 χ^2/NDF: 20.8/31

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -6.136+/-24.463 χ^2/NDF: 63.8/36

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

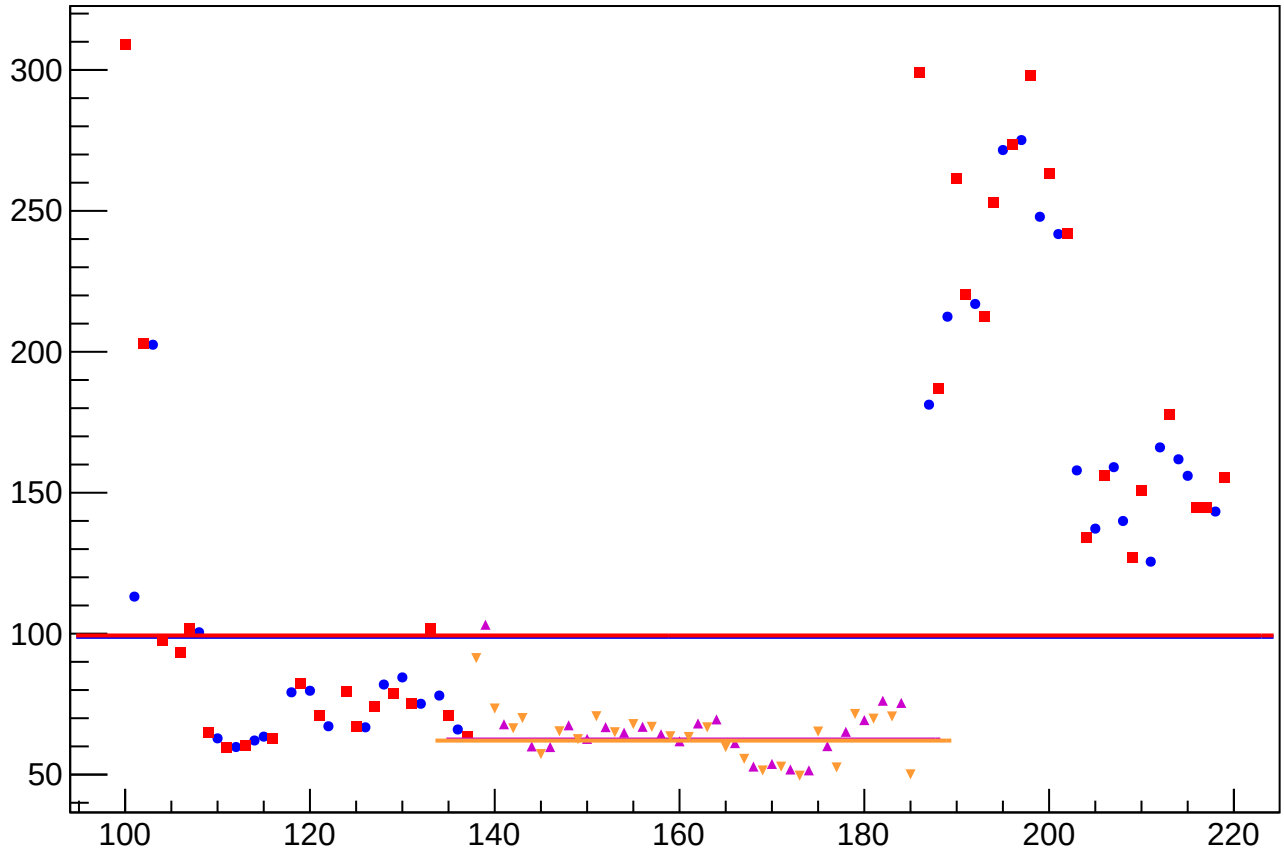
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -27.588+/-17.392 χ^2/NDF: 86.2/68

In: 44.713+/-12.707 χ^2/NDF:77.2/54

Out: 56.636+/-12.362 χ^2/NDF:126.5/61

All: 50.839+/-8.861 χ^2/NDF: 204.2/116



Right In: 98.859+/-0.017 χ^2/NDF: 7561116.0/31

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 99.359+/-0.017 χ^2/NDF: 9031173.6/36

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

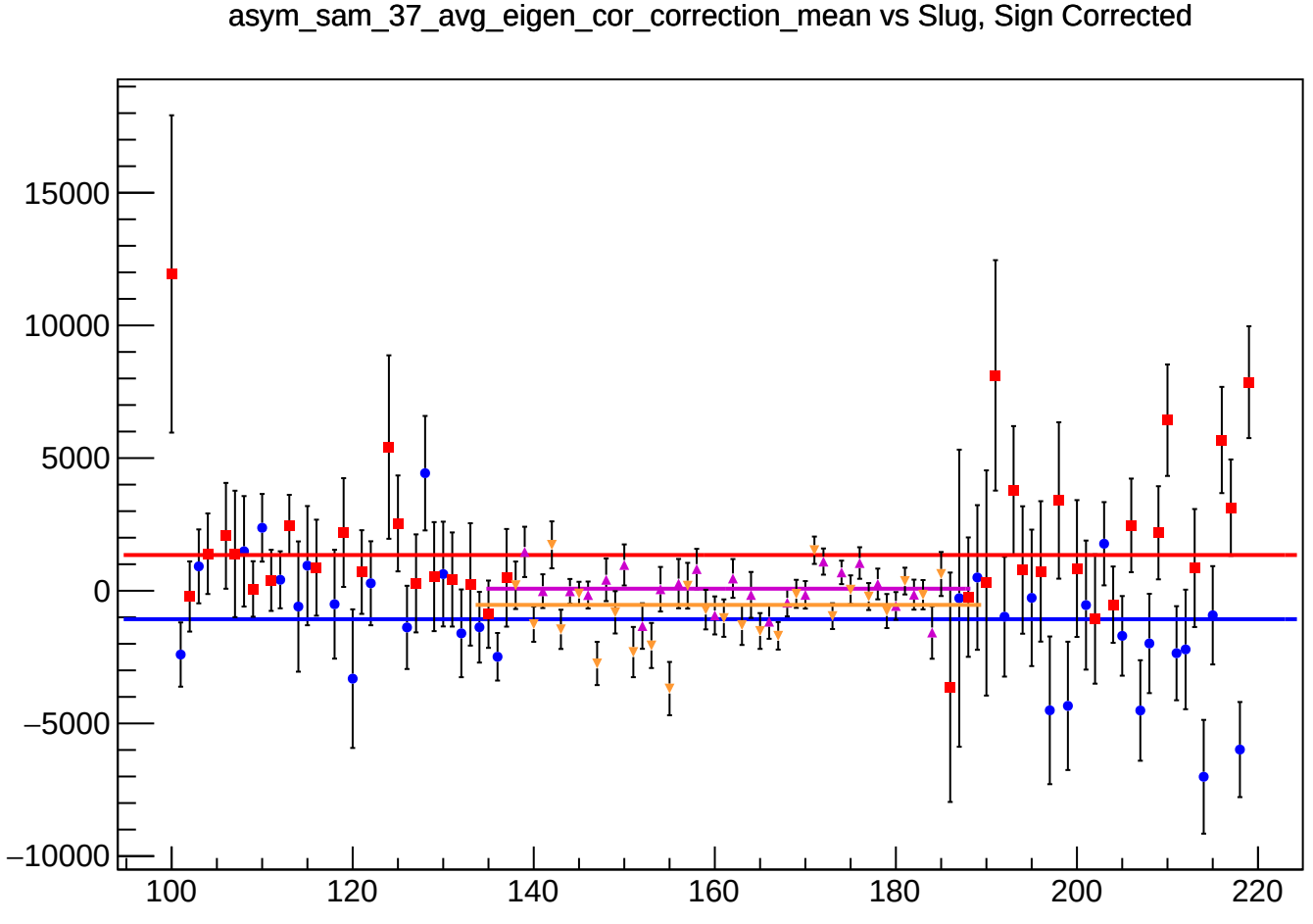
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 99.111+/-0.012 χ^2/NDF: 16592702.9/68

In: 72.057+/-0.009 χ^2/NDF:11416731.9/54

Out: 71.586+/-0.009 χ^2/NDF:13179321.2/61

All: 71.815+/-0.006 χ^2/NDF: 24597464.0/116



Right In: -1070.457+/-303.680 χ^2/NDF: 53.1/31

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 1346.958+/-304.308 χ^2/NDF: 44.7/36

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

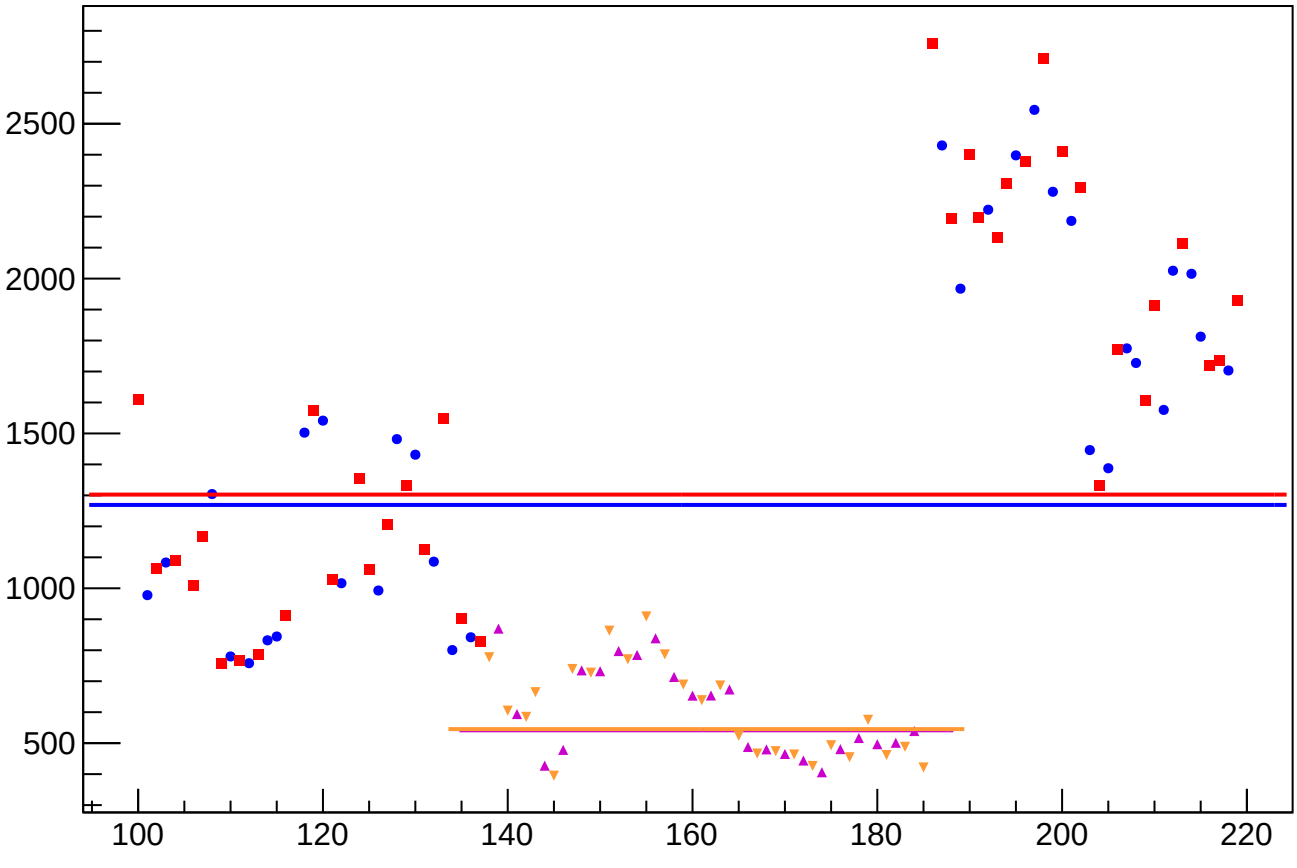
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 135.751+/-214.956 χ^2/NDF: 129.4/68

In: -101.113+/-119.756 χ^2/NDF:93.5/54

Out: -250.473+/-117.930 χ^2/NDF:146.2/61

All: -176.941+/-84.027 χ^2/NDF: 240.6/116



Right In: 1269.212+/-0.215 χ^2/NDF: 5085546.8/31

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1302.586+/-0.215 χ^2/NDF: 5988077.4/36

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

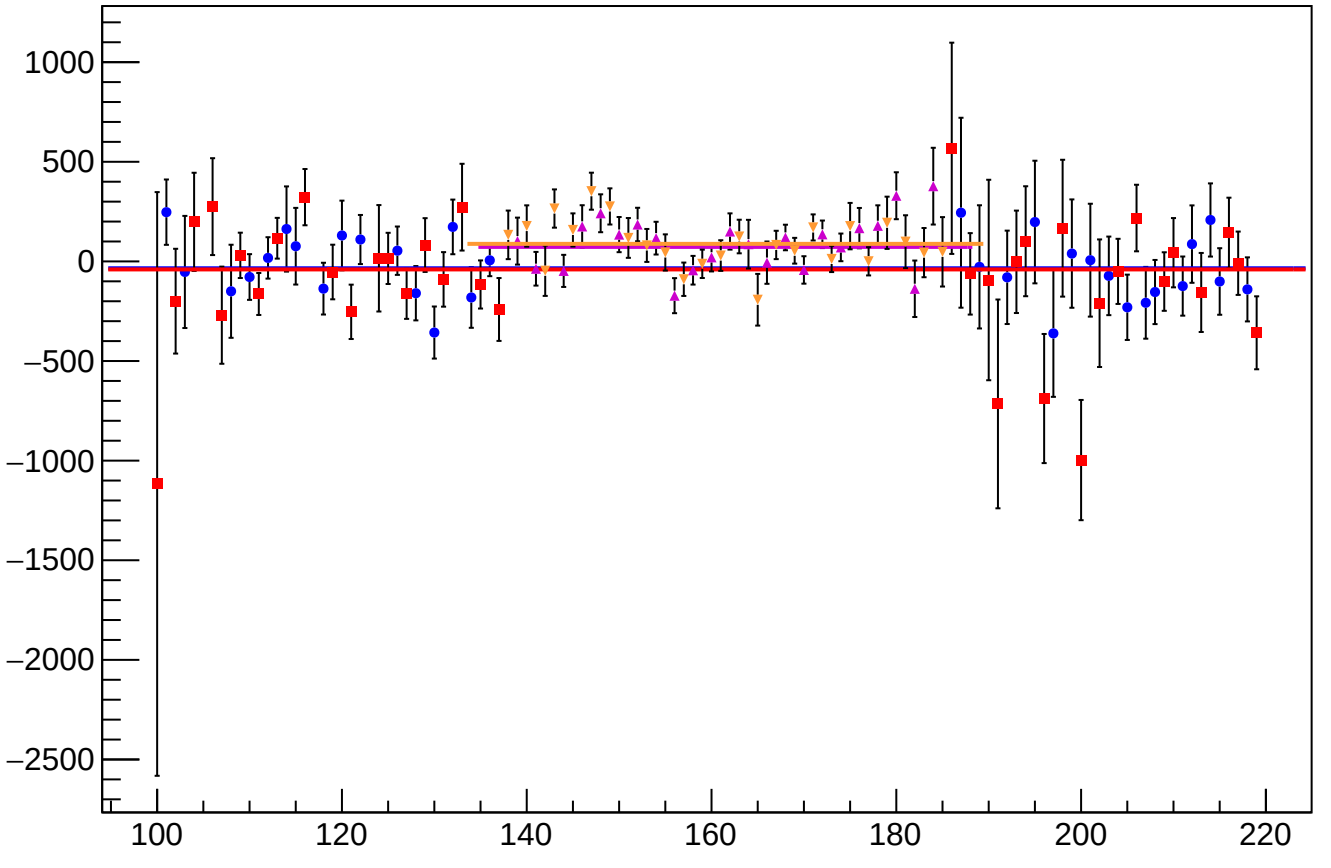
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1285.865+/-0.152 χ^2/NDF: 11085676.9/68

In: 654.633+/-0.085 χ^2/NDF:16625663.0/54

Out: 659.035+/-0.083 χ^2/NDF:18597291.7/61

All: 656.868+/-0.059 χ^2/NDF: 35224326.5/11



Right In: -34.473+/-28.114 χ^2/NDF: 26.7/31

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -40.256+/-28.366 χ^2/NDF: 49.0/36

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

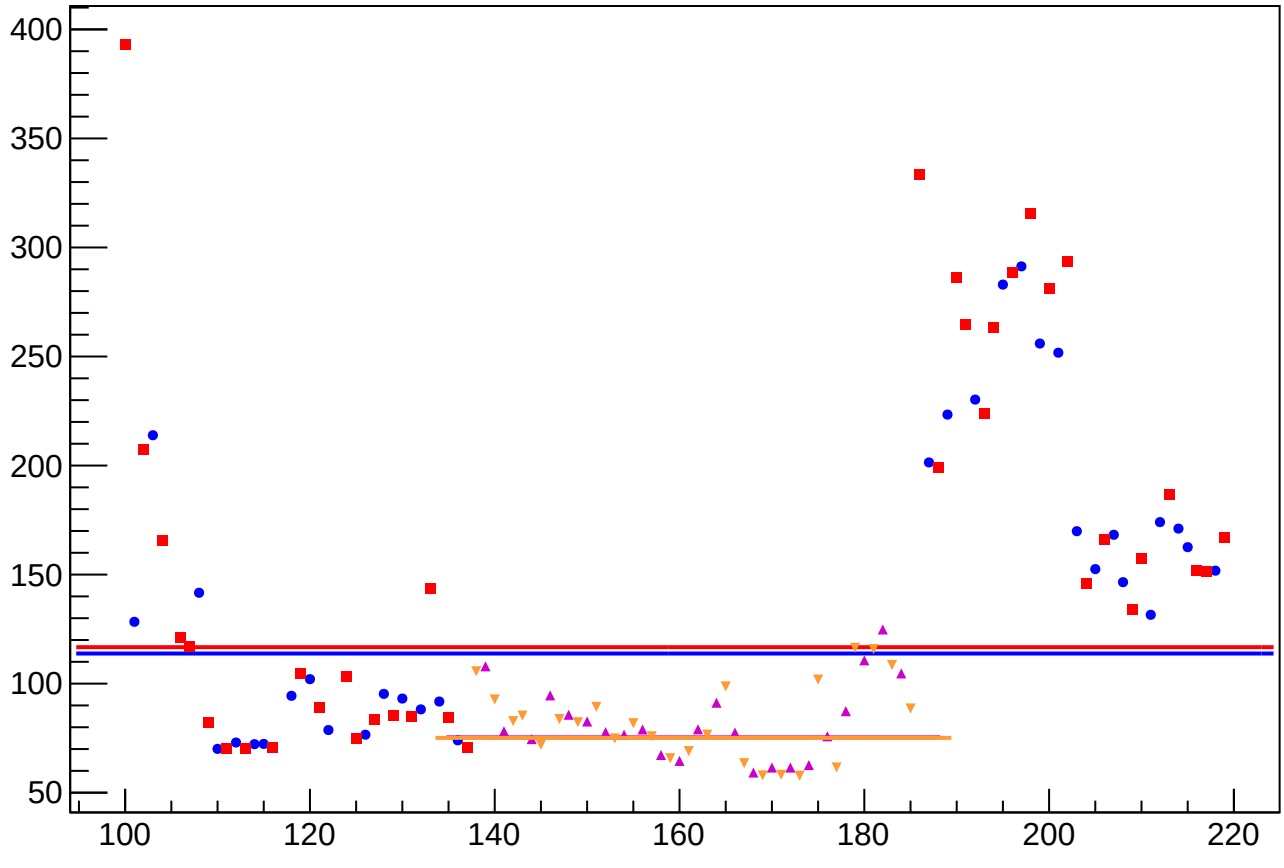
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -37.339+/-19.968 χ^2/NDF: 75.7/68

In: 40.968+/-15.323 χ^2/NDF:75.4/54

Out: 51.955+/-15.044 χ^2/NDF:100.6/61

All: 46.563+/-10.735 χ^2/NDF: 176.3/116



Right In: 113.809+/-0.020 χ^2/NDF: 6460630.6/31

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 116.711+/-0.020 χ^2/NDF: 7931983.8/36

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

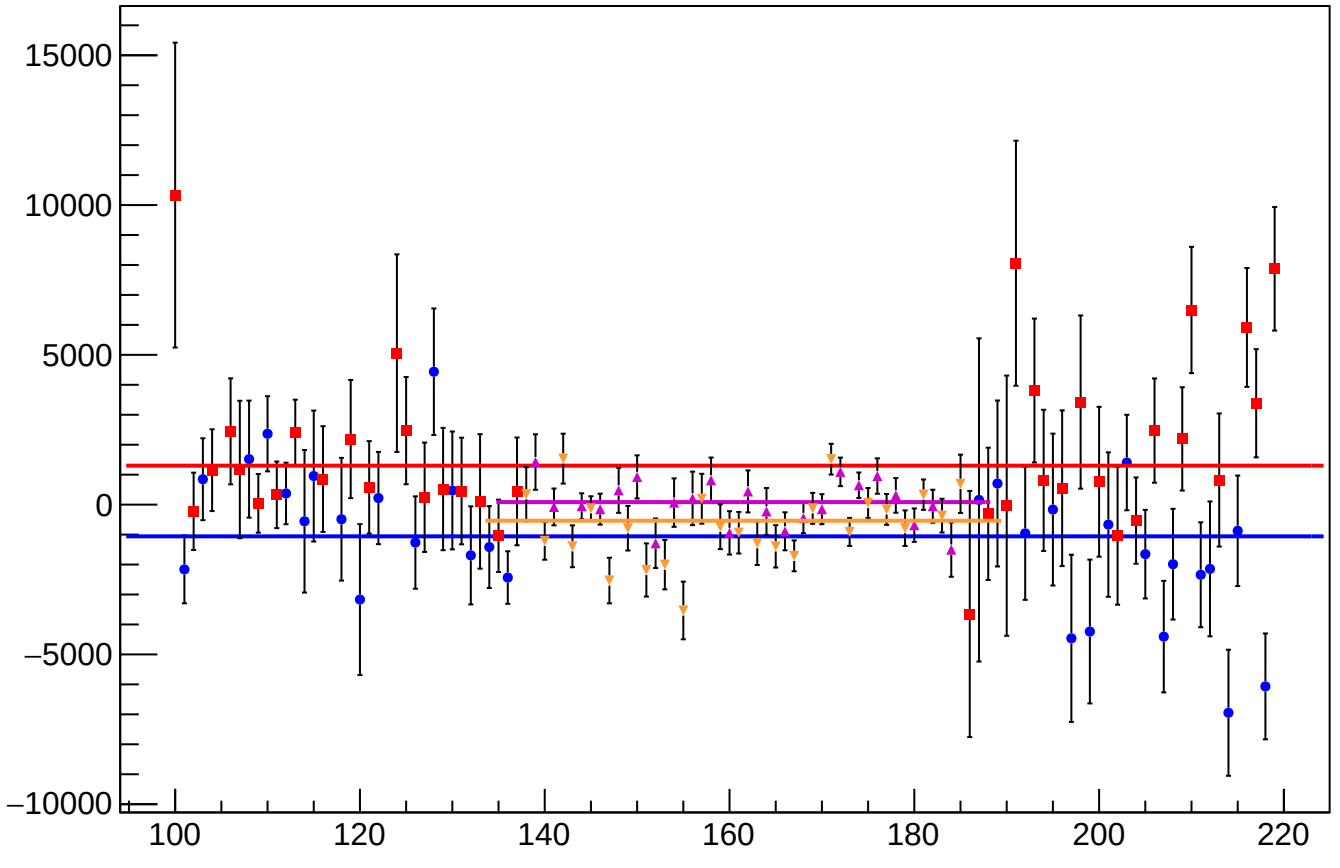
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

Right: 115.247+/-0.014 χ^2/NDF: 14403175.7/68

In: 86.783+/-0.011 χ^2/NDF:10315063.6/54

Out: 86.824+/-0.011 χ^2/NDF:12622606.7/61

All: 86.804+/-0.008 χ^2/NDF: 22937677.3/116



Right In: -1058.497+/-297.821 χ^2/NDF: 53.0/31

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: 1300.944+/-294.531 χ^2/NDF: 48.6/36

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

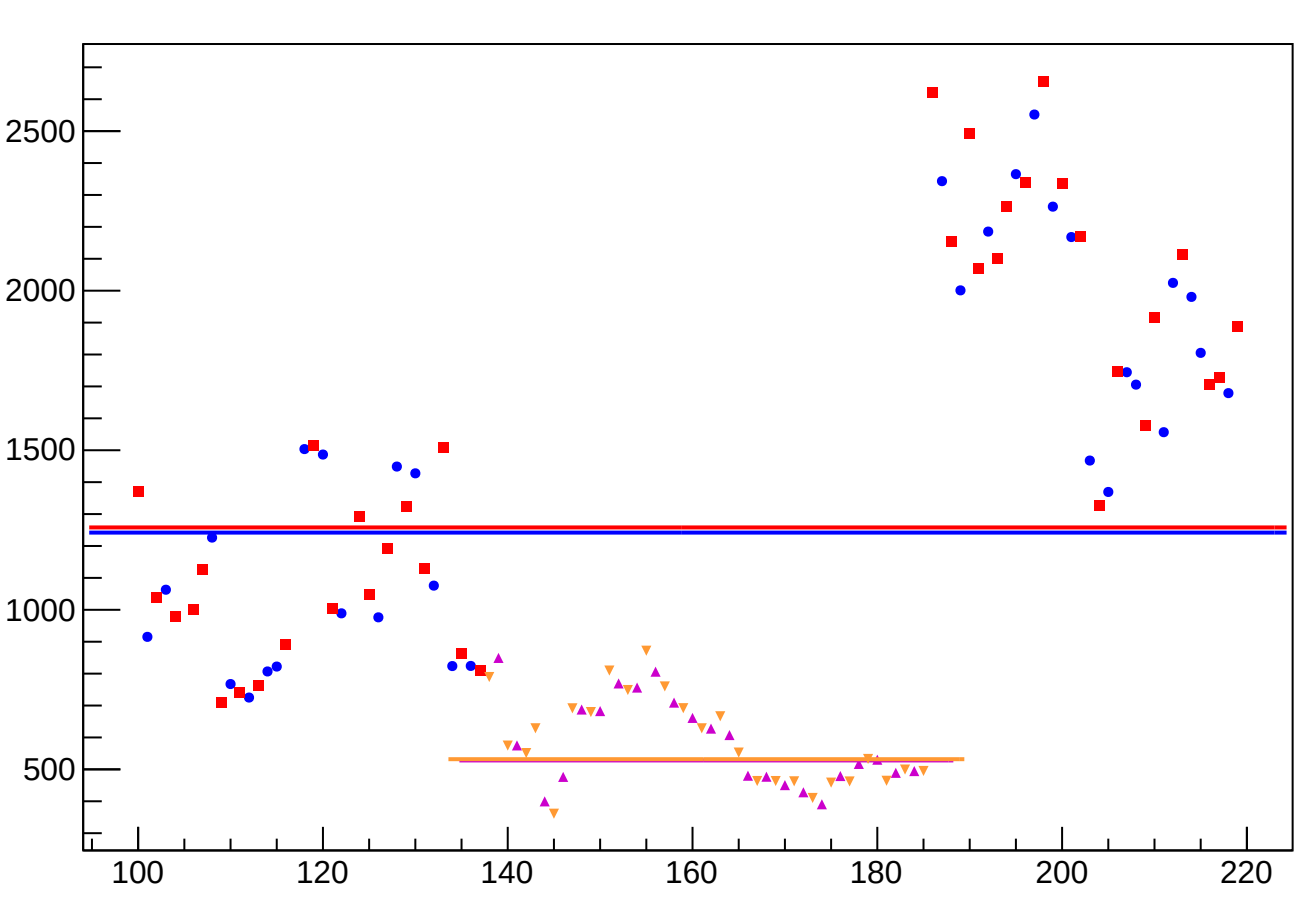
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 134.325+/-209.418 χ^2/NDF: 133.3/68

In: -91.316+/-116.852 χ^2/NDF:92.9/54

Out: -258.310+/-114.653 χ^2/NDF:148.7/61

All: -176.399+/-81.839 χ^2/NDF: 242.6/116



Right In: 1241.948+/-0.211 χ^2/NDF: 5273084.7/31

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1258.125+/-0.208 χ^2/NDF: 6282286.4/36

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

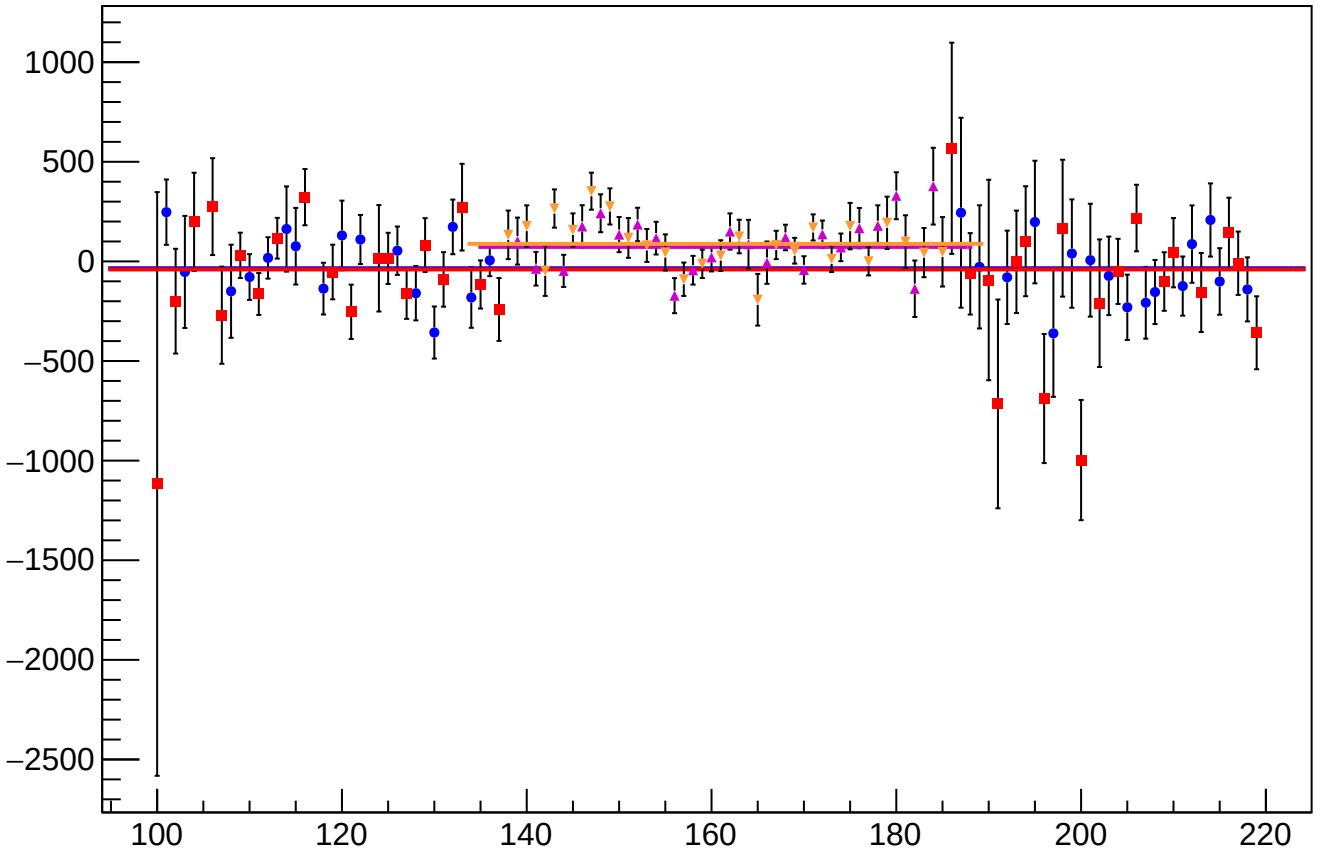
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1250.127+/-0.148 χ^2/NDF: 11558354.0/68

In: 637.897+/-0.083 χ^2/NDF:16798111.5/54

Out: 641.924+/-0.081 χ^2/NDF:18637605.0/61

All: 639.949+/-0.058 χ^2/NDF: 35436927.1/11



Right In: -34.473+/-28.114 χ^2/NDF: 26.7/31

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -40.259+/-28.366 χ^2/NDF: 49.0/36

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

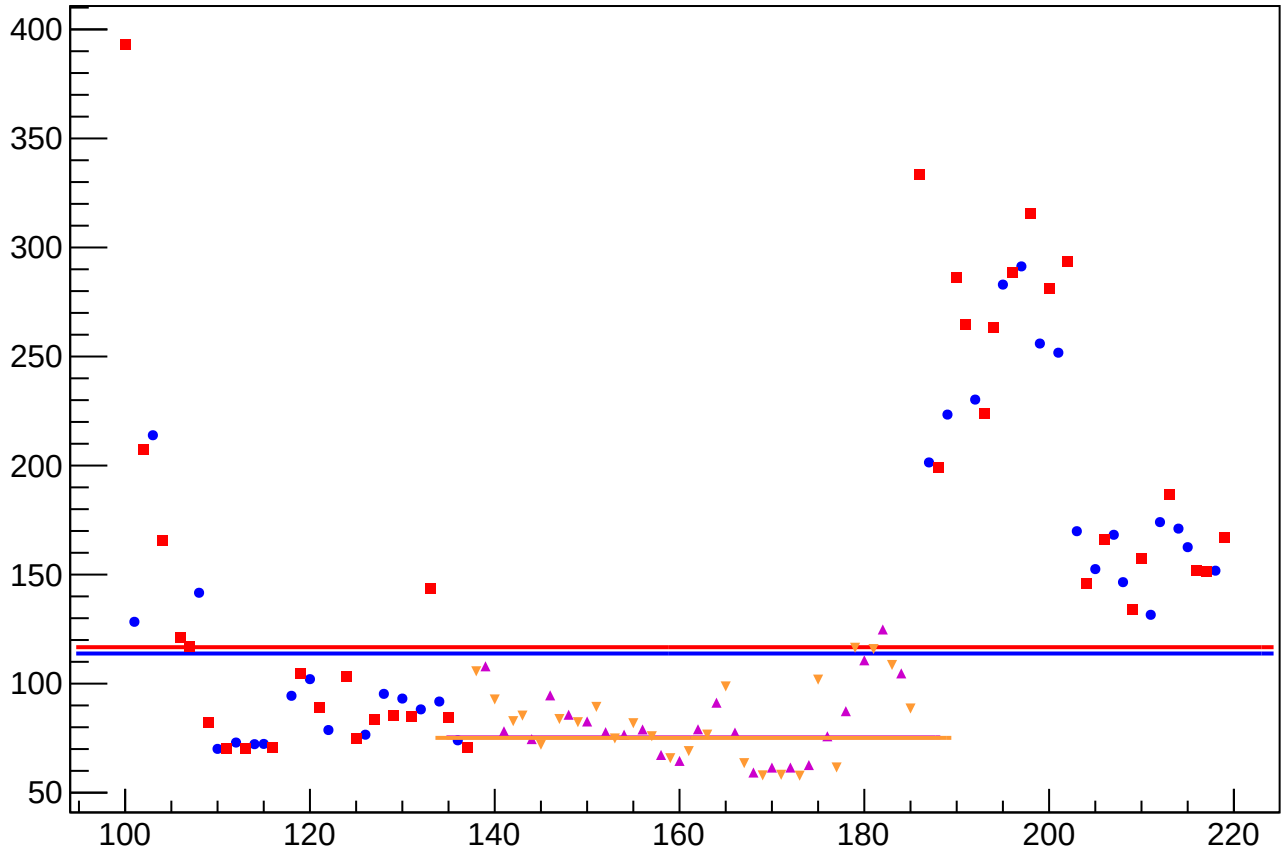
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -37.340+/-19.968 χ^2/NDF: 75.7/68

In: 40.968+/-15.323 χ^2/NDF:75.4/54

Out: 51.955+/-15.044 χ^2/NDF:100.6/61

All: 46.562+/-10.735 χ^2/NDF: 176.3/116



Right In: 113.809+/-0.020 χ^2/NDF: 6460580.5/31

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 116.711+/-0.020 χ^2/NDF: 7931929.1/36

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

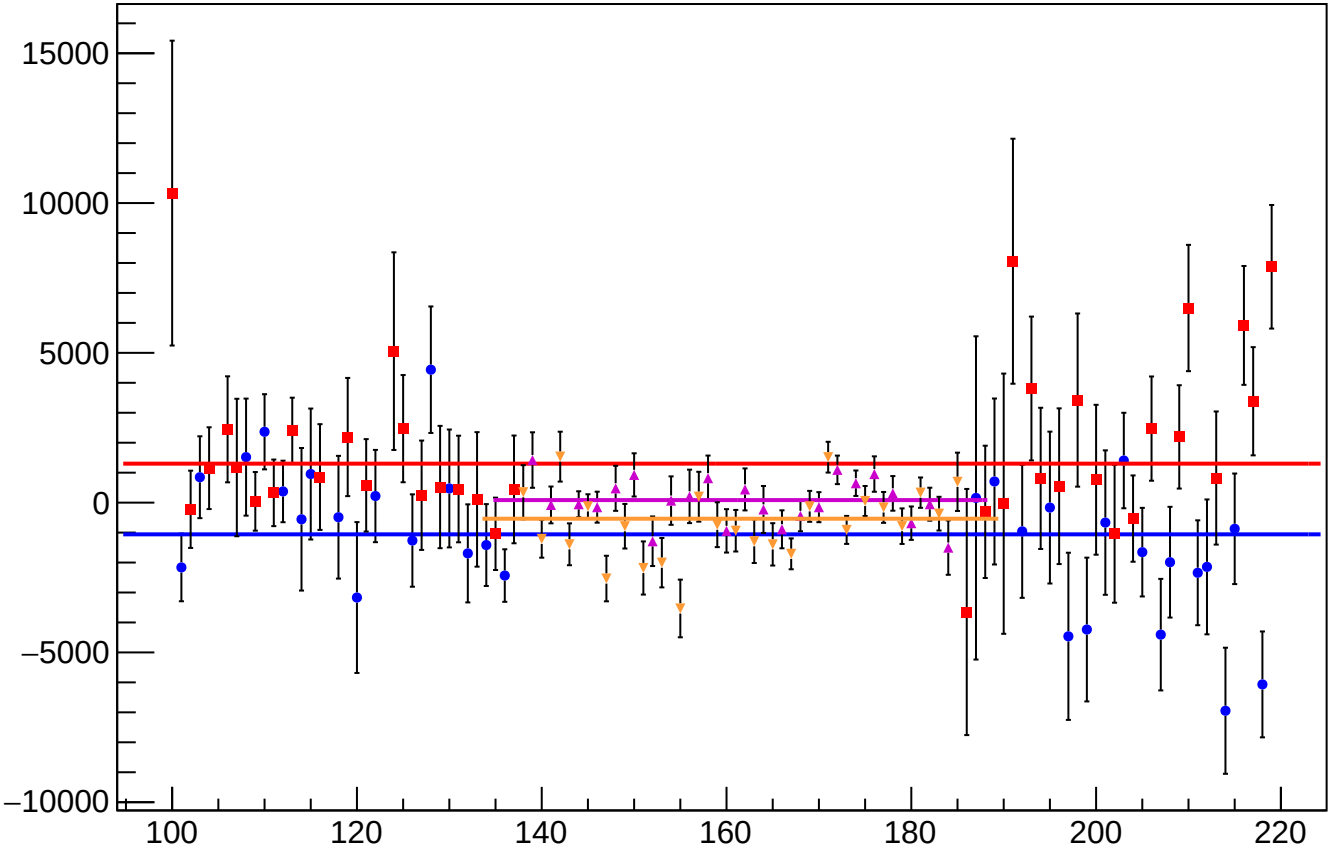
Right: 115.247+/-0.014 χ^2/NDF: 14403071.6/68

In: 86.784+/-0.011 χ^2/NDF:10315024.8/54

Out: 86.824+/-0.011 χ^2/NDF:12622569.2/61

All: 86.804+/-0.008 χ^2/NDF: 22937601.0/116

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1058.493+/-297.820 χ^2/NDF: 53.0/31

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: 1300.942+/-294.531 χ^2/NDF: 48.6/36

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

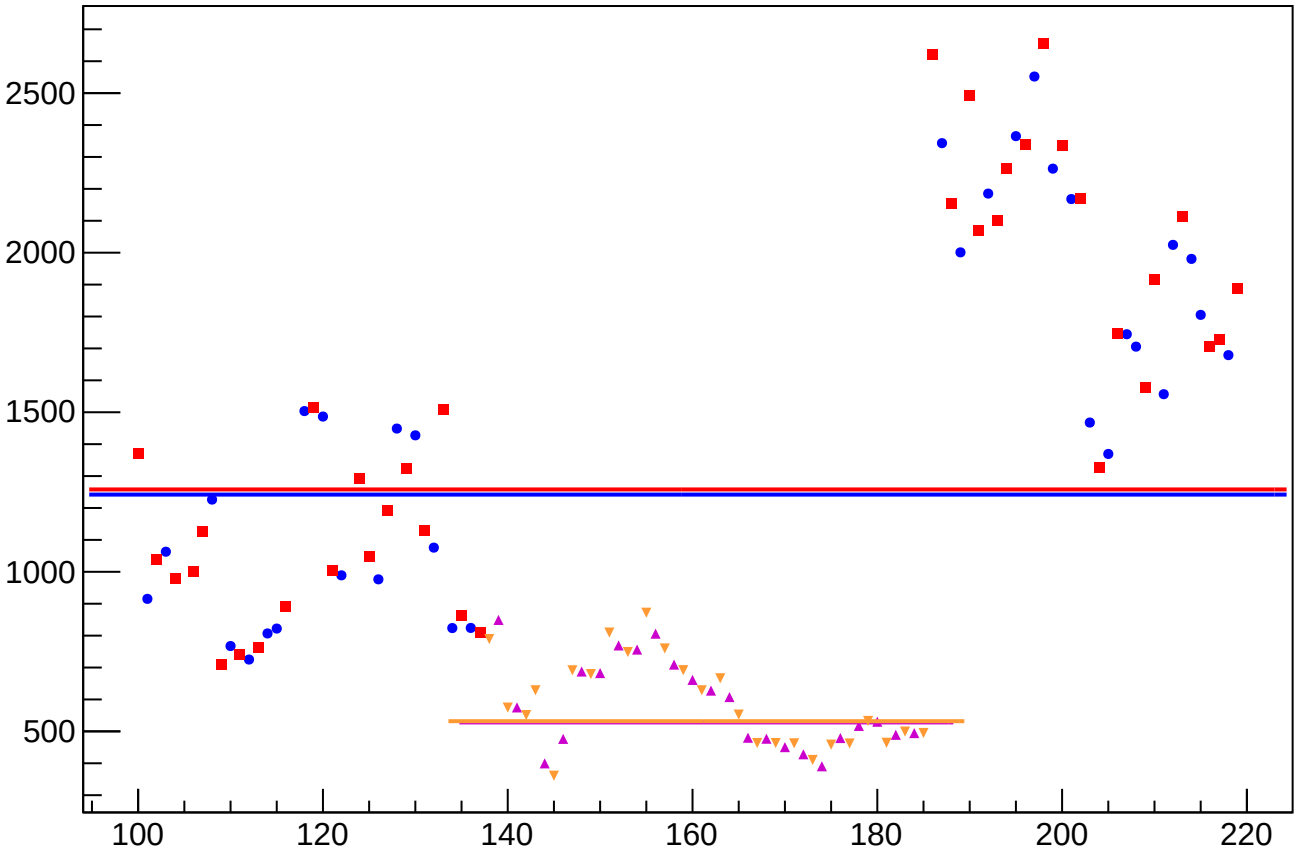
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 134.326+/-209.418 χ^2/NDF: 133.3/68

In: -91.316+/-116.852 χ^2/NDF:92.9/54

Out: -258.310+/-114.653 χ^2/NDF:148.7/61

All: -176.399+/-81.838 χ^2/NDF: 242.6/116



Right In: 1241.947+/-0.211 χ^2/NDF: 5273100.9/31

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1258.123+/-0.208 χ^2/NDF: 6282301.8/36

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

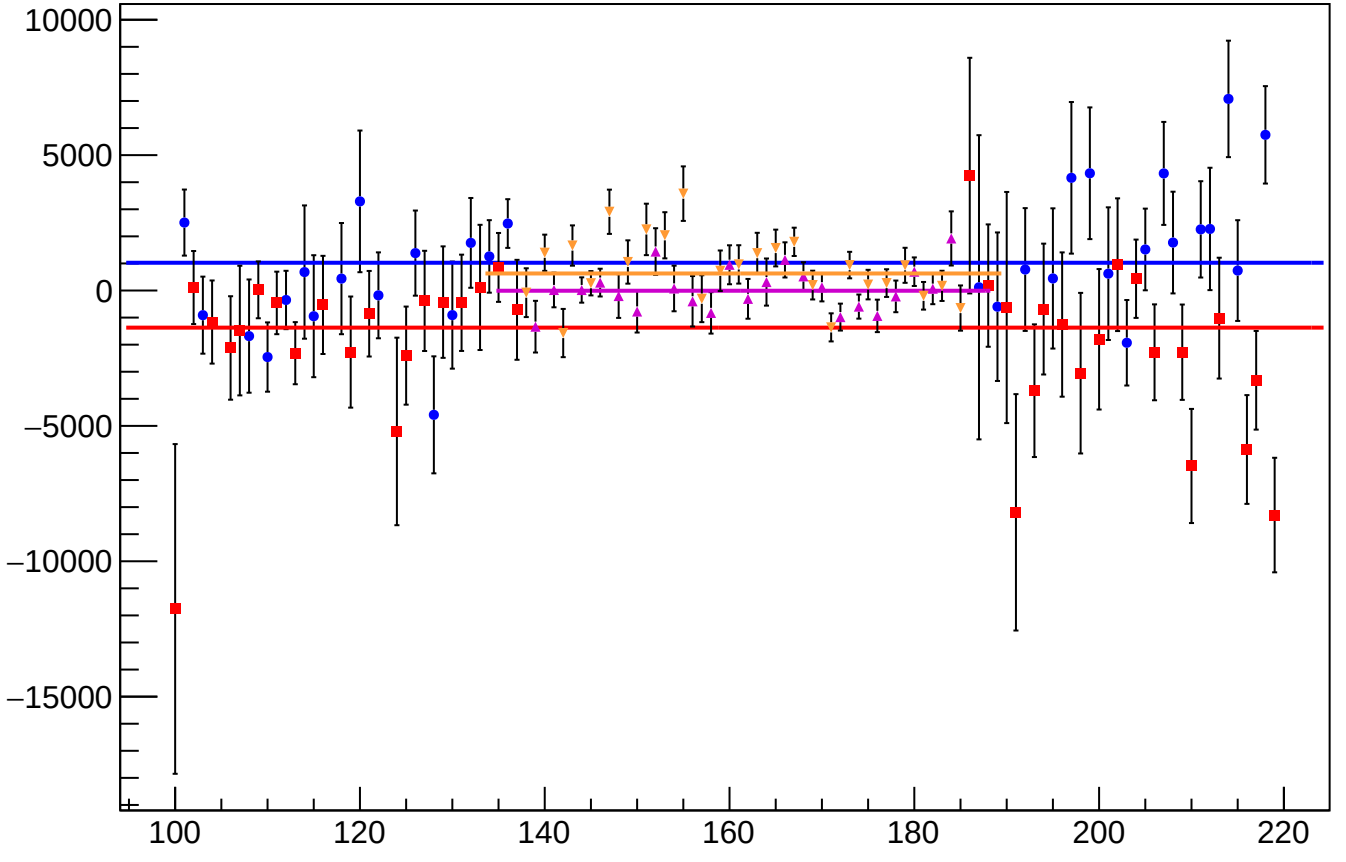
Right: 1250.125+/-0.148 χ^2/NDF: 11558385.6/68

In: 637.896+/-0.083 χ^2/NDF:16798098.8/54

Out: 641.924+/-0.081 χ^2/NDF:18637592.3/61

All: 639.948+/-0.058 χ^2/NDF: 35436901.7/11

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 1025.154+/-305.159 χ^2/NDF: 52.8/31

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -1370.987+/-305.406 χ^2/NDF: 45.5/36

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

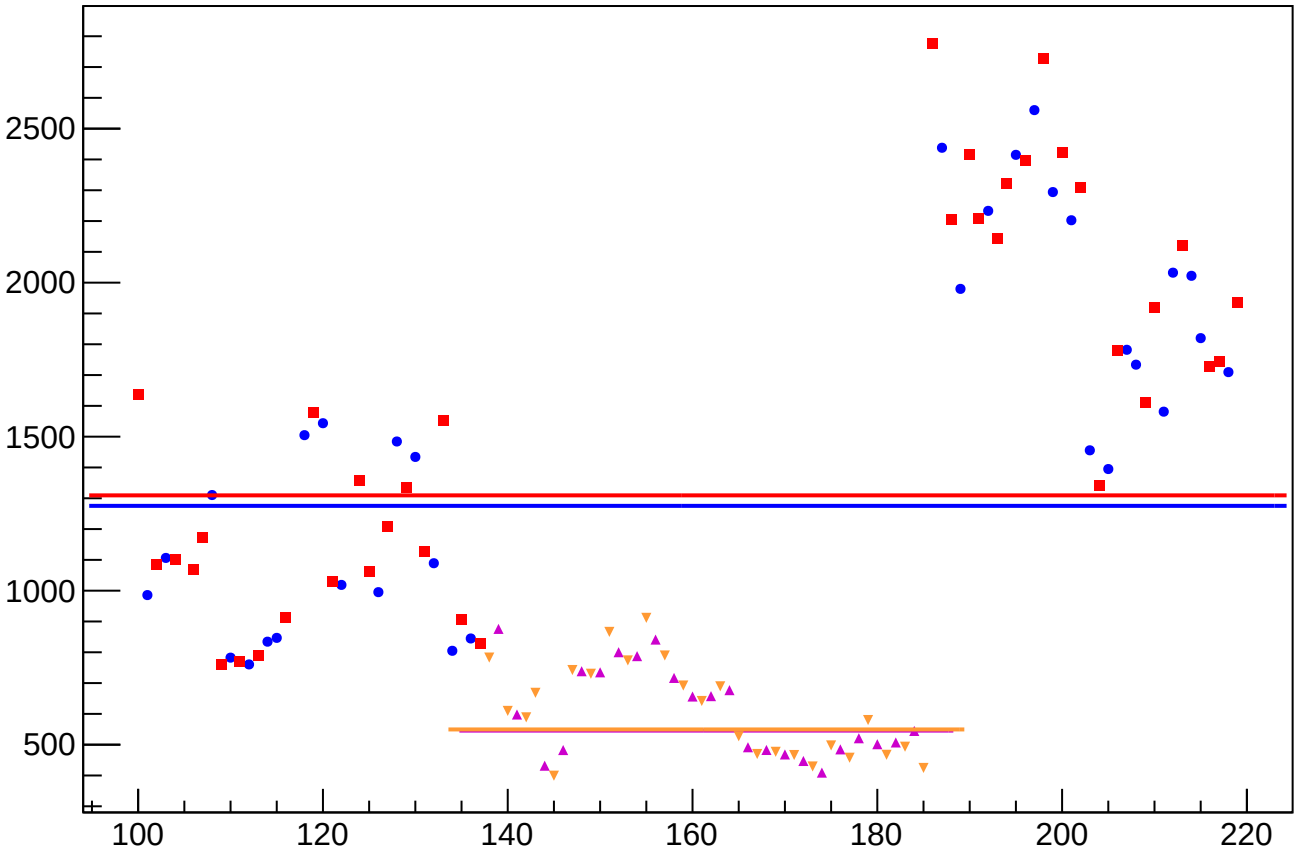
Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

Right: -171.947+/-215.867 χ^2/NDF: 129.1/68

In: 152.979+/-120.601 χ^2/NDF:89.8/54

Out: 327.107+/-118.719 χ^2/NDF:146.8/61

All: 241.412+/-84.605 χ^2/NDF: 237.6/116



Right In: 1275.362+/-0.216 χ^2/NDF: 5087417.1/31

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1309.431+/-0.216 χ^2/NDF: 5982284.8/36

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

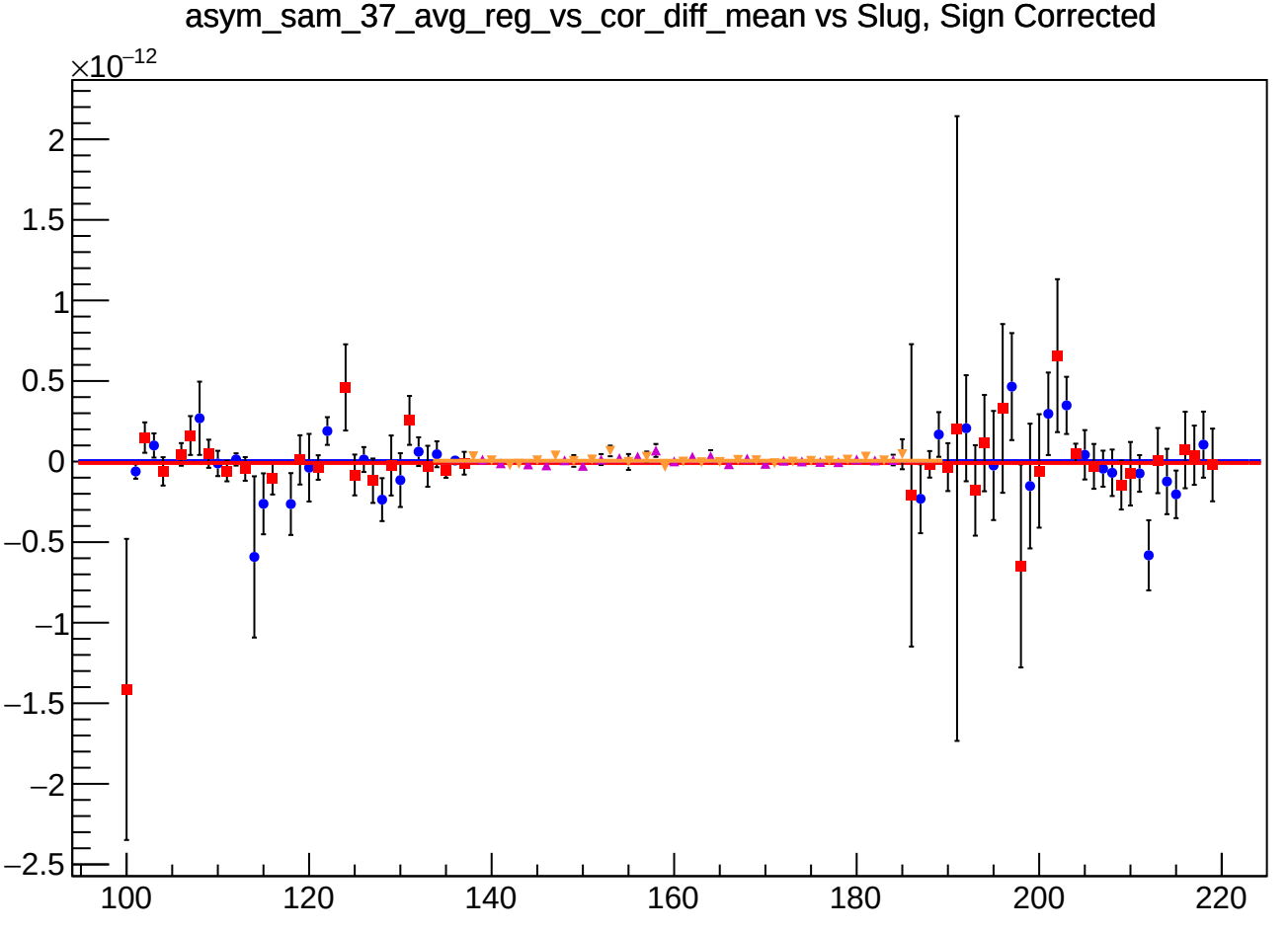
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1292.382+/-0.153 χ^2/NDF: 11082156.0/68

In: 659.672+/-0.085 χ^2/NDF:16550356.4/54

Out: 664.310+/-0.084 χ^2/NDF:18548658.9/61

All: 662.028+/-0.060 χ^2/NDF: 35100517.6/11



Right In: 0.000+/-0.000 χ^2/NDF: 40.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/36

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

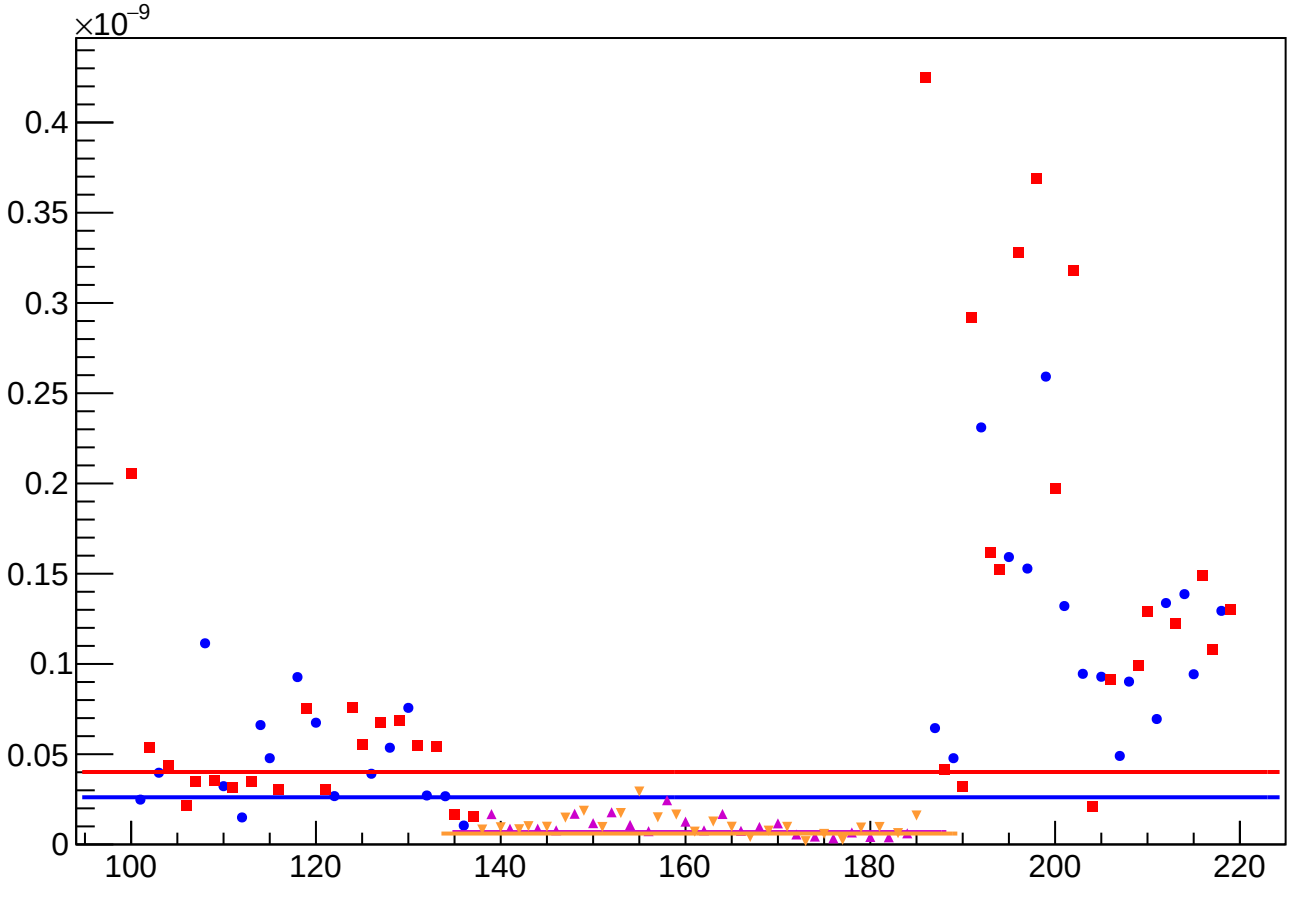
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 65.6/68

In: 0.000+/-0.000 χ^2/NDF:60.6/54

Out: 0.000+/-0.000 χ^2/NDF:40.9/61

All: 0.000+/-0.000 χ^2/NDF: 101.7/116



Right In: 0.000+/-0.000 χ^2/NDF: 8475642.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7236751.8/36

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

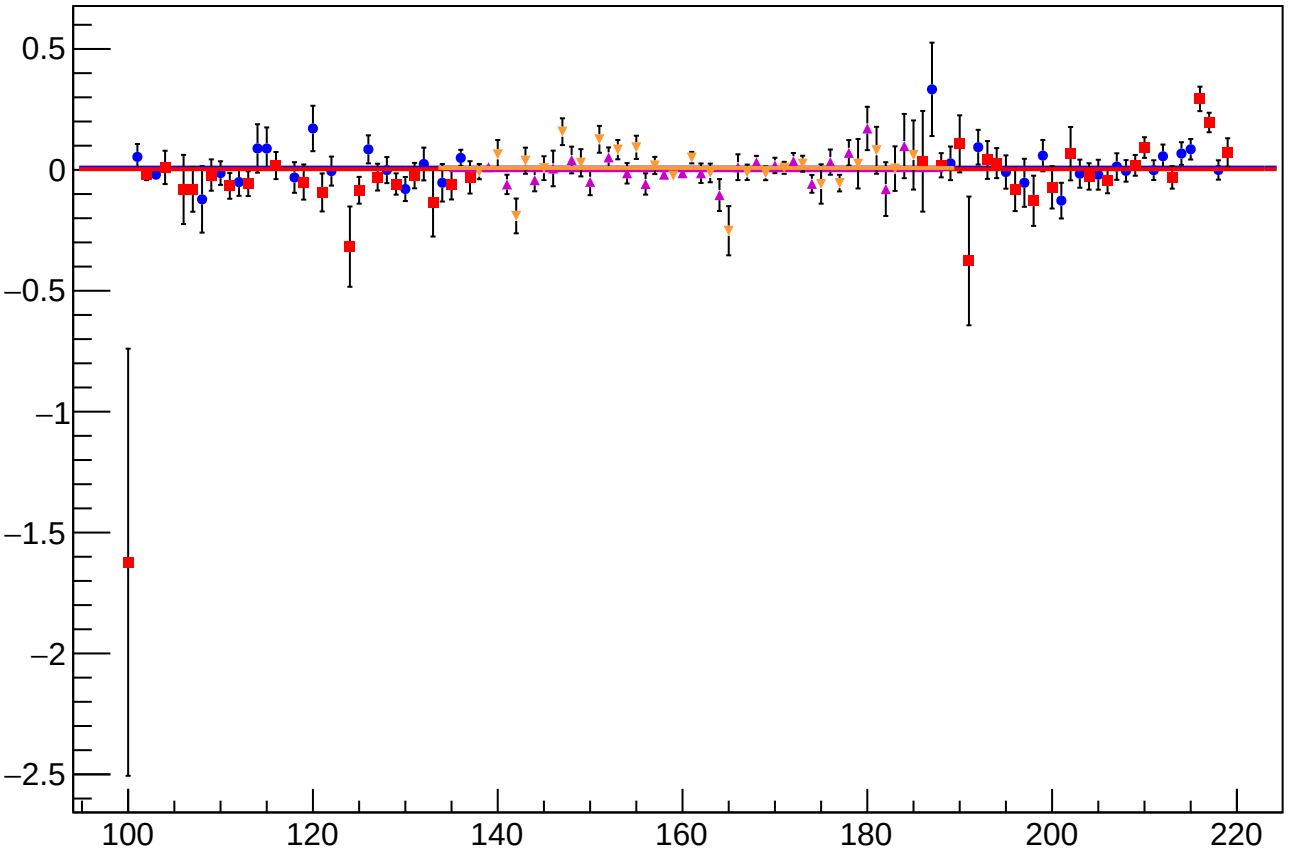
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16473168.6/68

In: 0.000+/-0.000 χ^2/NDF:14619128.6/54

Out: 0.000+/-0.000 χ^2/NDF:17772058.9/61

All: 0.000+/-0.000 χ^2/NDF: 32485345.5/116



Right In: 0.009+/-0.009 χ^2/NDF: 32.1/31

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.003+/-0.009 χ^2/NDF: 92.3/36

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

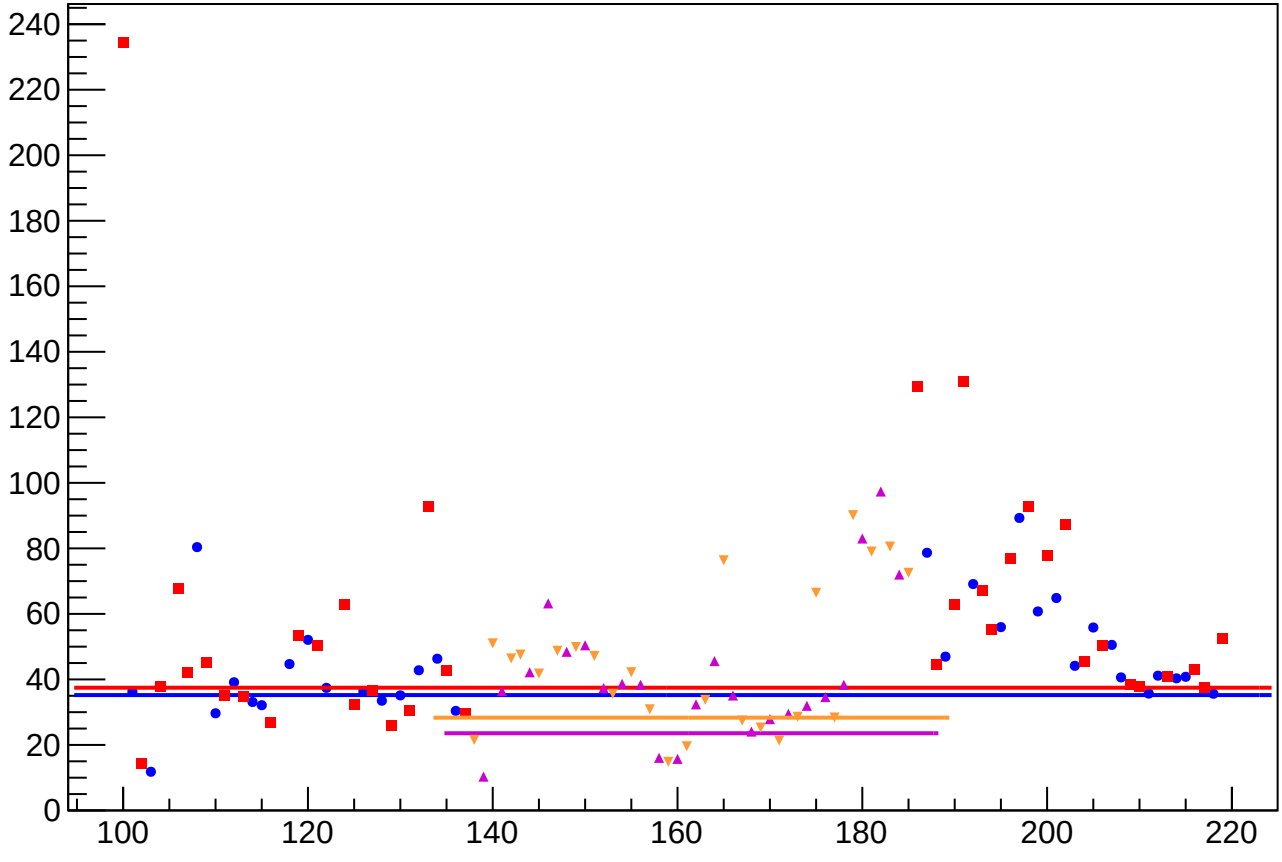
Right: 0.006+/-0.007 χ^2/NDF: 124.7/68

In: 0.002+/-0.005 χ^2/NDF:58.1/54

Out: 0.006+/-0.006 χ^2/NDF:140.1/61

All: 0.004+/-0.004 χ^2/NDF: 198.4/116

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.216+/-0.006 χ^2/NDF: 5873835.3/31

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 37.466+/-0.007 χ^2/NDF: 6694434.2/36

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

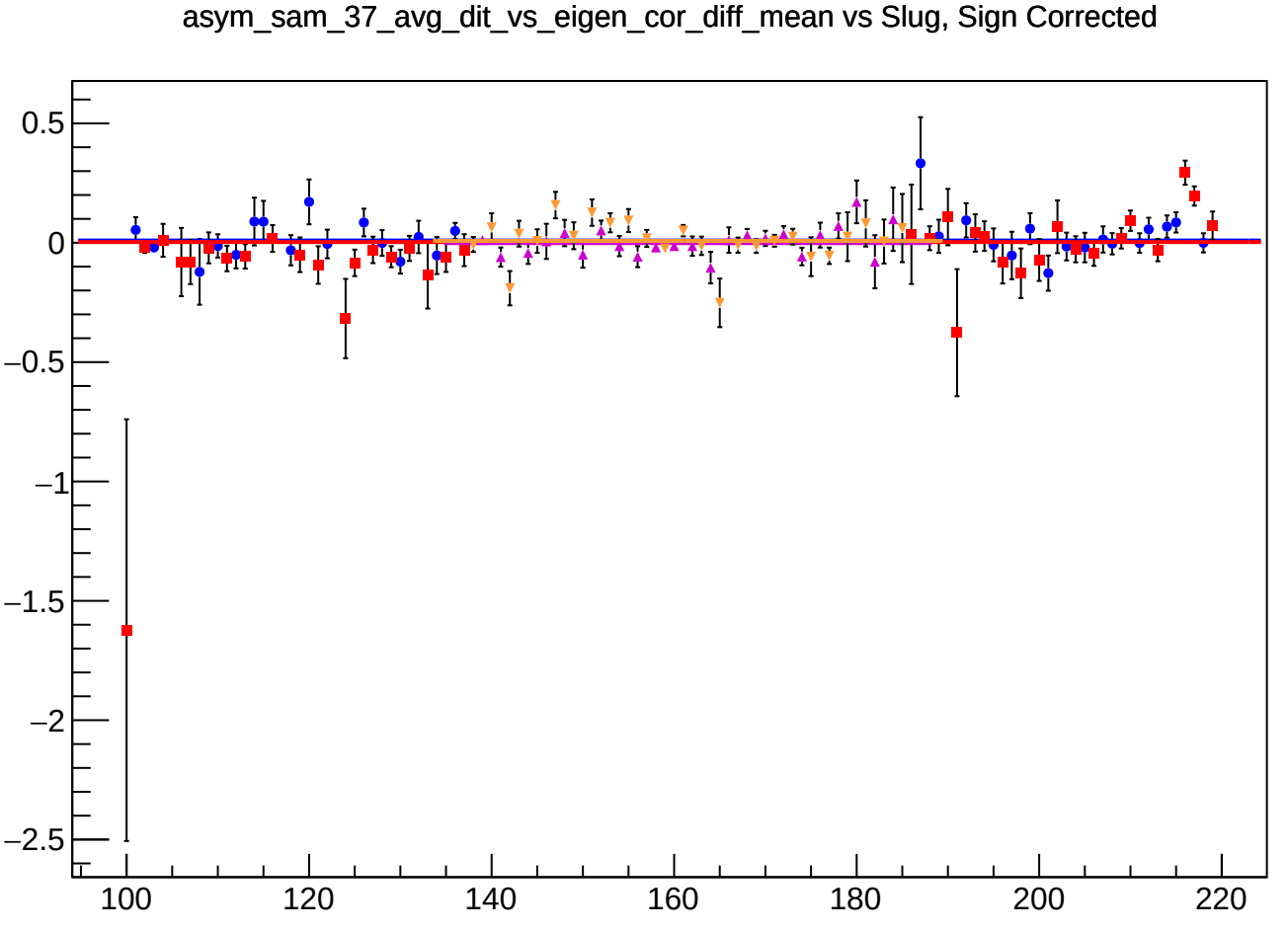
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 36.296+/-0.005 χ^2/NDF: 12627105.7/68

In: 27.759+/-0.004 χ^2/NDF:16242293.5/54

Out: 31.898+/-0.004 χ^2/NDF:14620544.4/61

All: 29.659+/-0.003 χ^2/NDF: 31392890.7/116



Right In: 0.009+/-0.009 χ^2/NDF: 32.1/31

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.003+/-0.009 χ^2/NDF: 92.3/36

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

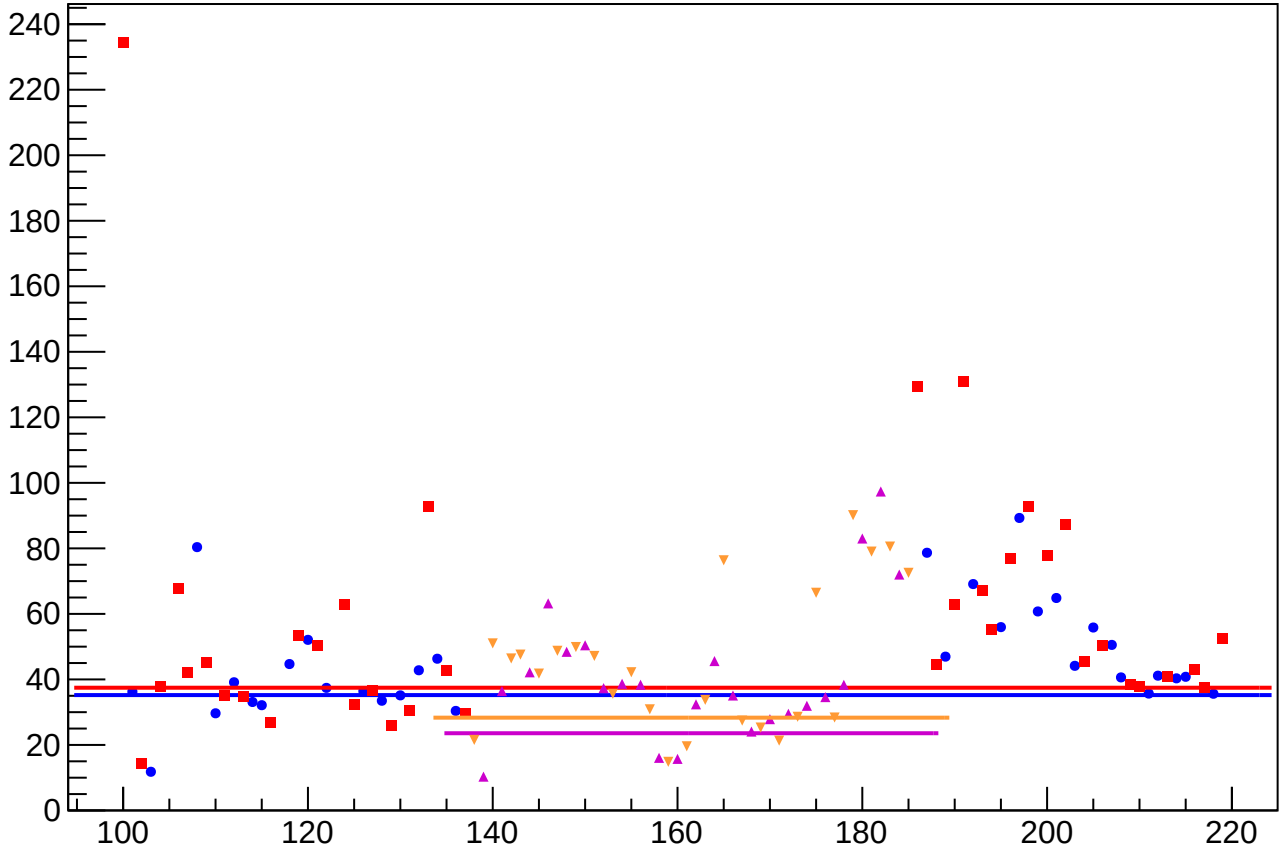
Right: 0.006+/-0.007 χ^2/NDF: 124.7/68

In: 0.002+/-0.005 χ^2/NDF:58.1/54

Out: 0.006+/-0.006 χ^2/NDF:140.1/61

All: 0.004+/-0.004 χ^2/NDF: 198.4/116

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.216+/-0.006 χ^2/NDF: 5873835.3/31

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 37.466+/-0.007 χ^2/NDF: 6694434.2/36

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

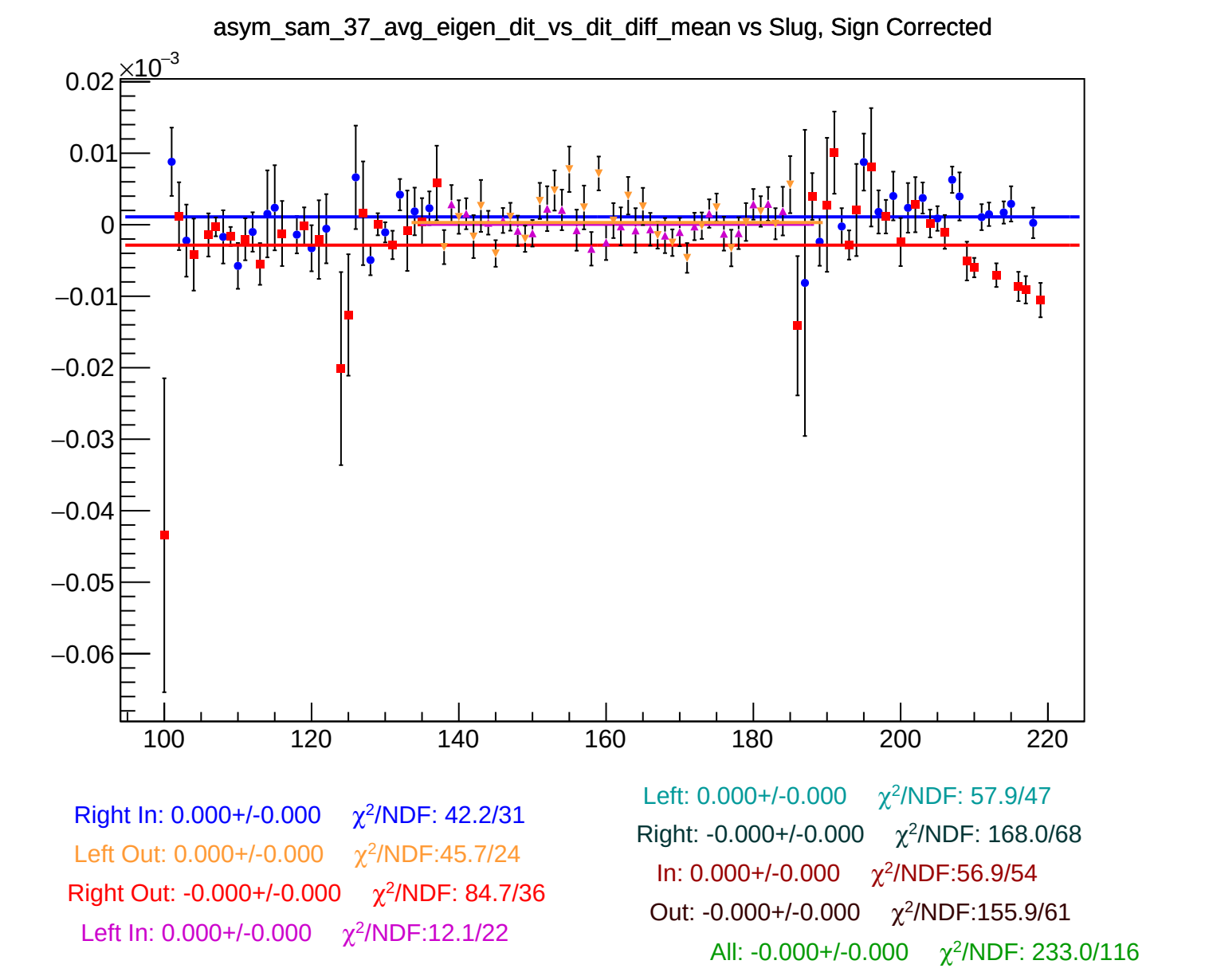
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 36.296+/-0.005 χ^2/NDF: 12627105.7/68

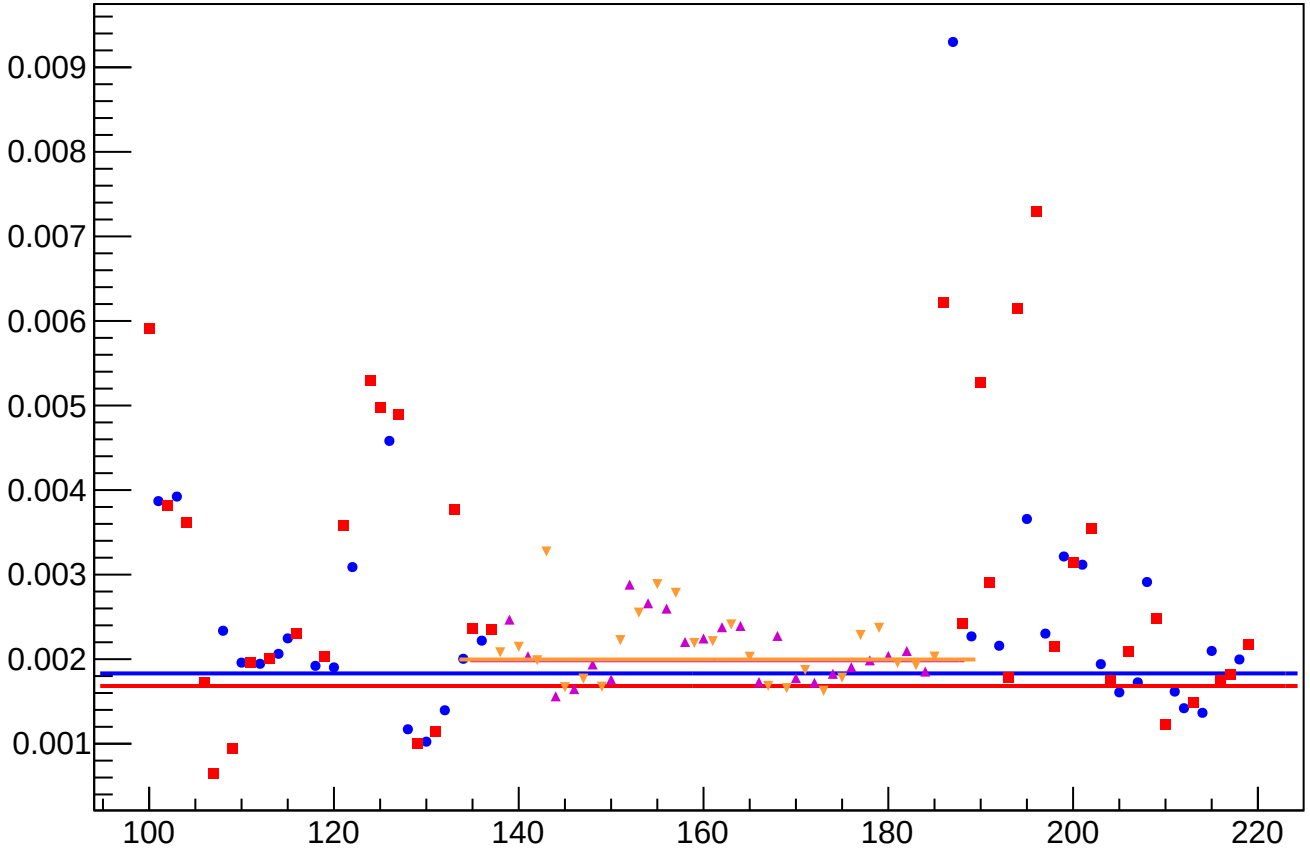
In: 27.759+/-0.004 χ^2/NDF:16242293.5/54

Out: 31.898+/-0.004 χ^2/NDF:14620544.4/61

All: 29.659+/-0.003 χ^2/NDF: 31392890.7/116


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: 42.2/31
Left Out: 0.000+/-0.000 χ²/NDF:45.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 84.7/36
Left In: 0.000+/-0.000 χ²/NDF:12.1/22
Left: 0.000+/-0.000 χ²/NDF: 57.9/47
Right: -0.000+/-0.000 χ²/NDF: 168.0/68
In: 0.000+/-0.000 χ²/NDF:56.9/54
Out: -0.000+/-0.000 χ²/NDF:155.9/61
All: -0.000+/-0.000 χ²/NDF: 233.0/116

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4182145.9/31

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9077334.7/36

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

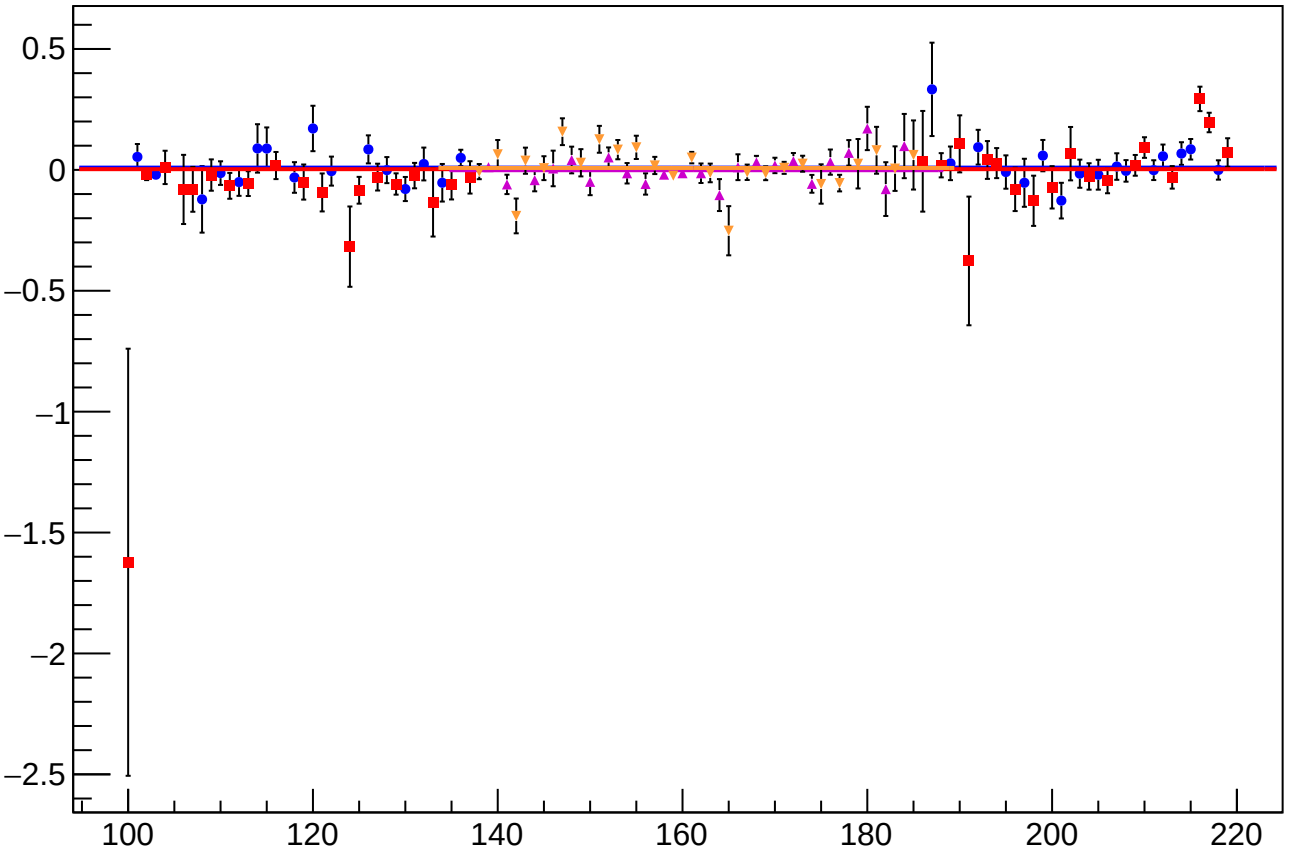
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 13375893.8/68

In: 0.002+/-0.000 χ^2/NDF:5219806.4/54

Out: 0.002+/-0.000 χ^2/NDF:10751245.5/61

All: 0.002+/-0.000 χ^2/NDF: 16034820.9/116



Right In: 0.009+/-0.009 χ^2/NDF: 32.1/31

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.003+/-0.009 χ^2/NDF: 92.3/36

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

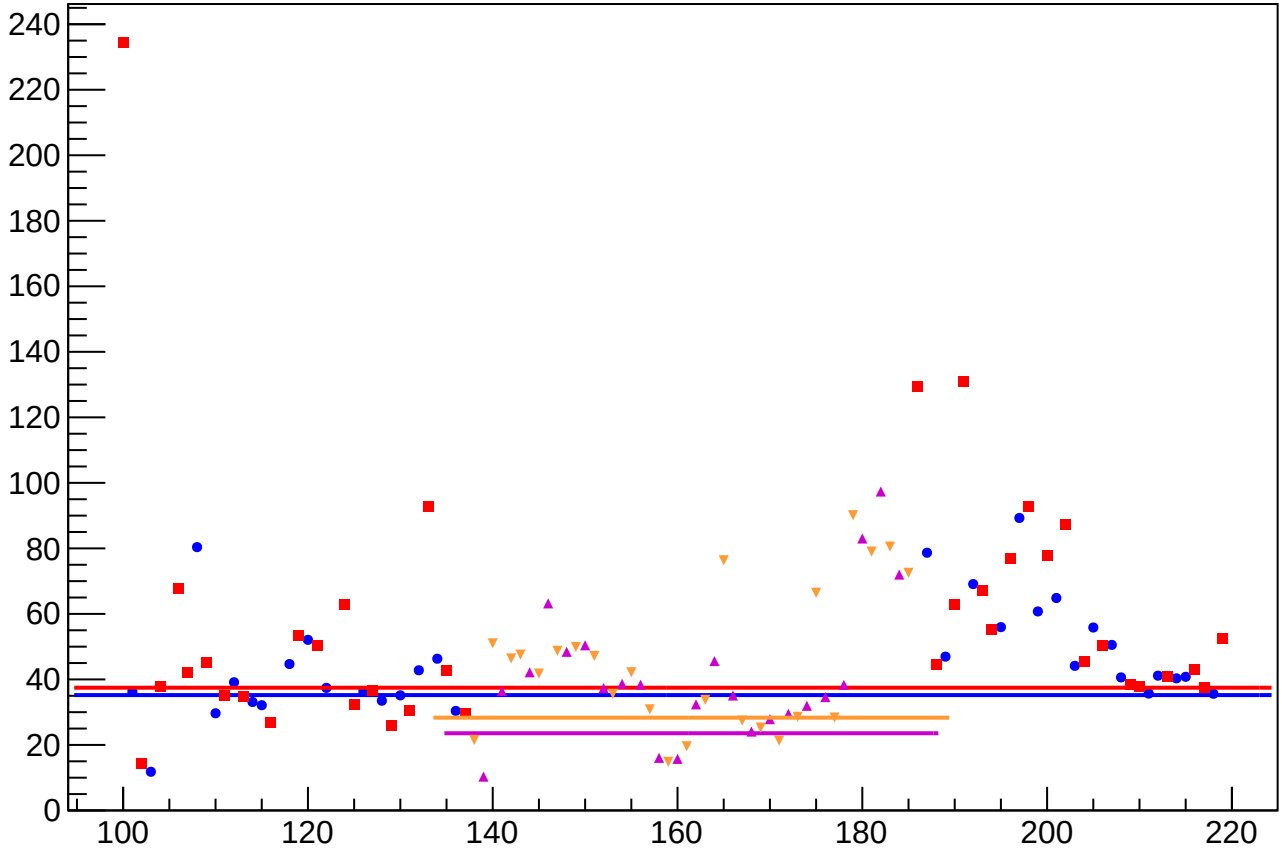
Right: 0.006+/-0.007 χ^2/NDF: 124.7/68

In: 0.002+/-0.005 χ^2/NDF:58.1/54

Out: 0.006+/-0.006 χ^2/NDF:140.1/61

All: 0.004+/-0.004 χ^2/NDF: 198.4/116

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.216+/-0.006 χ^2/NDF: 5874278.2/31

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 37.468+/-0.007 χ^2/NDF: 6693164.0/36

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

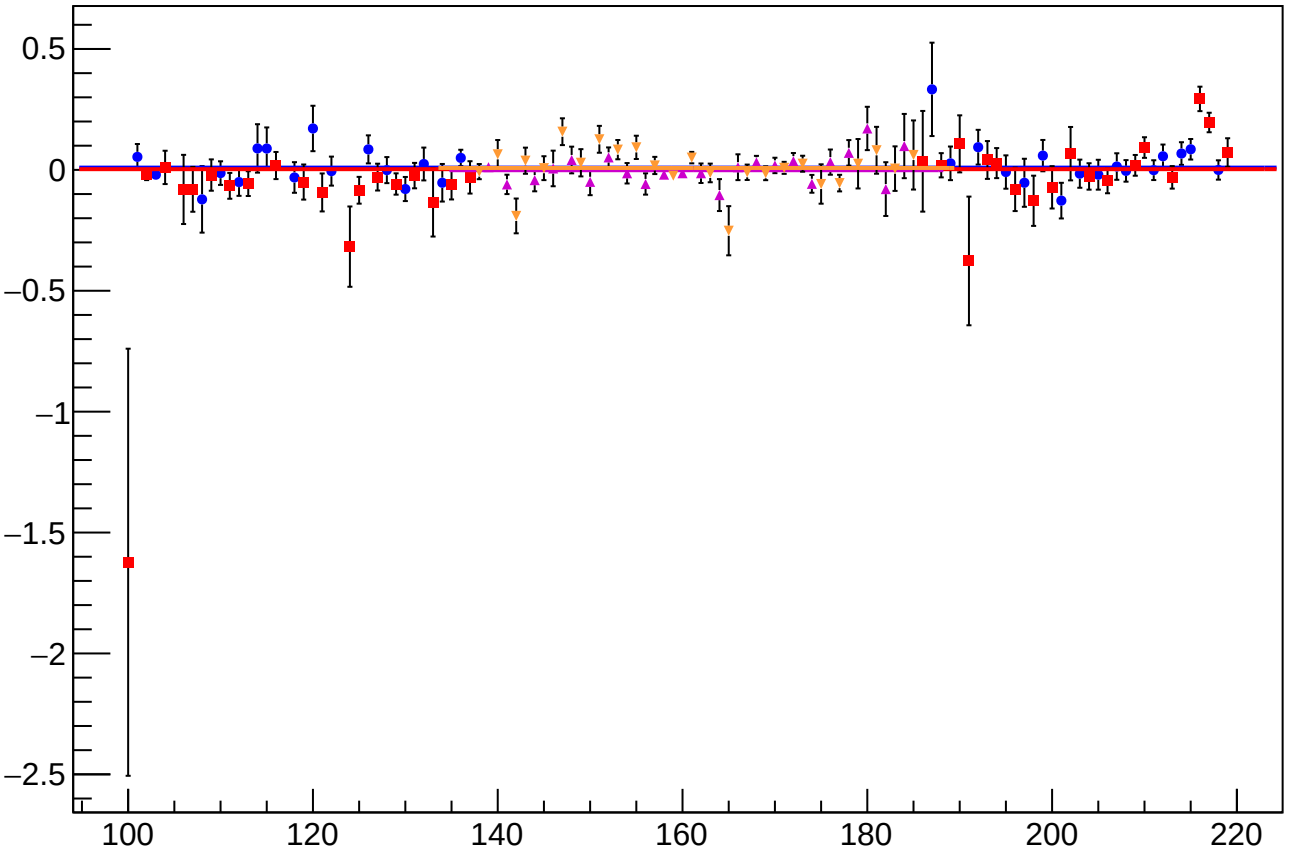
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 36.296+/-0.005 χ^2/NDF: 12626413.4/68

In: 27.758+/-0.004 χ^2/NDF:16244055.8/54

Out: 31.899+/-0.004 χ^2/NDF:14620292.9/61

All: 29.658+/-0.003 χ^2/NDF: 31394781.5/116



Right In: 0.009+/-0.009 χ^2/NDF: 32.1/31

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.003+/-0.009 χ^2/NDF: 92.3/36

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

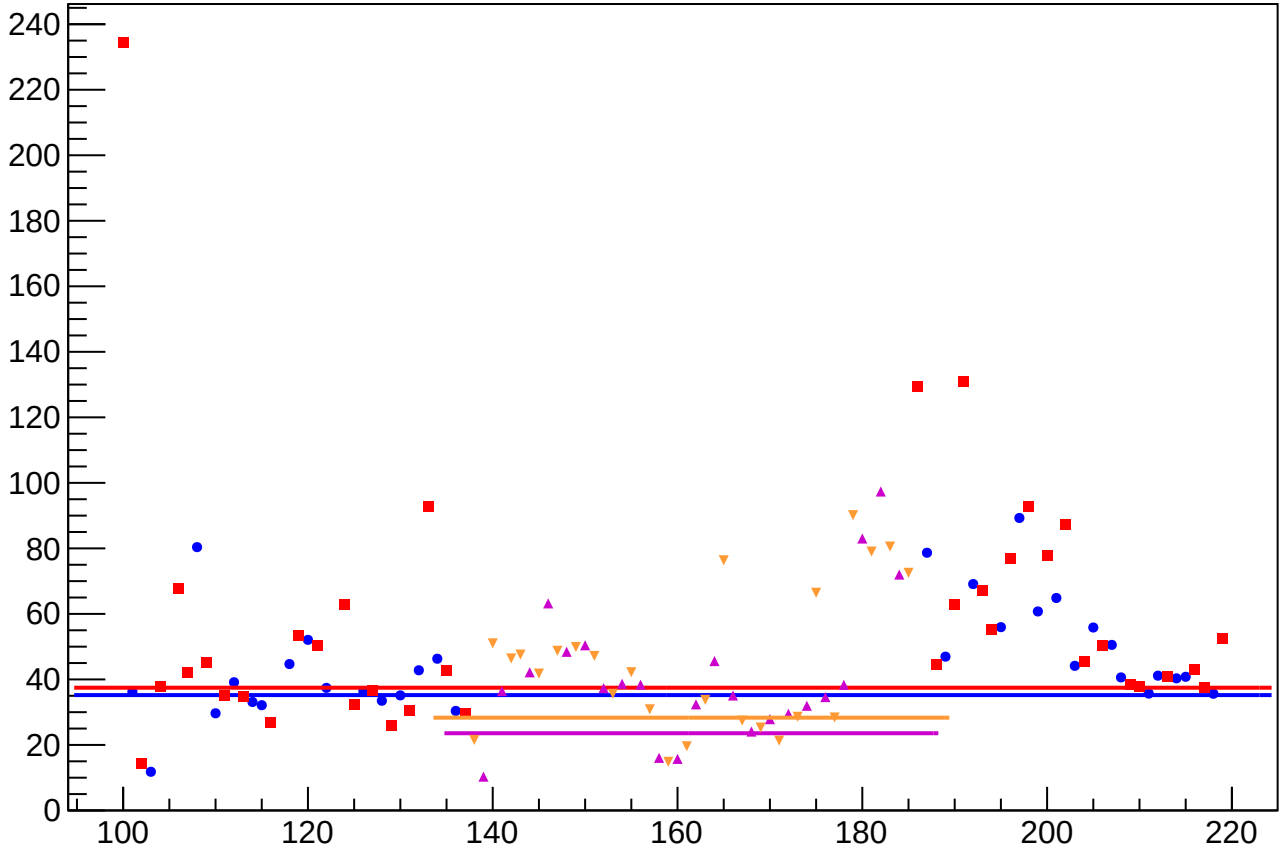
Right: 0.006+/-0.007 χ^2/NDF: 124.7/68

In: 0.002+/-0.005 χ^2/NDF:58.1/54

Out: 0.006+/-0.006 χ^2/NDF:140.1/61

All: 0.004+/-0.004 χ^2/NDF: 198.4/116

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.216+/-0.006 χ^2/NDF: 5874278.2/31

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 37.468+/-0.007 χ^2/NDF: 6693164.0/36

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

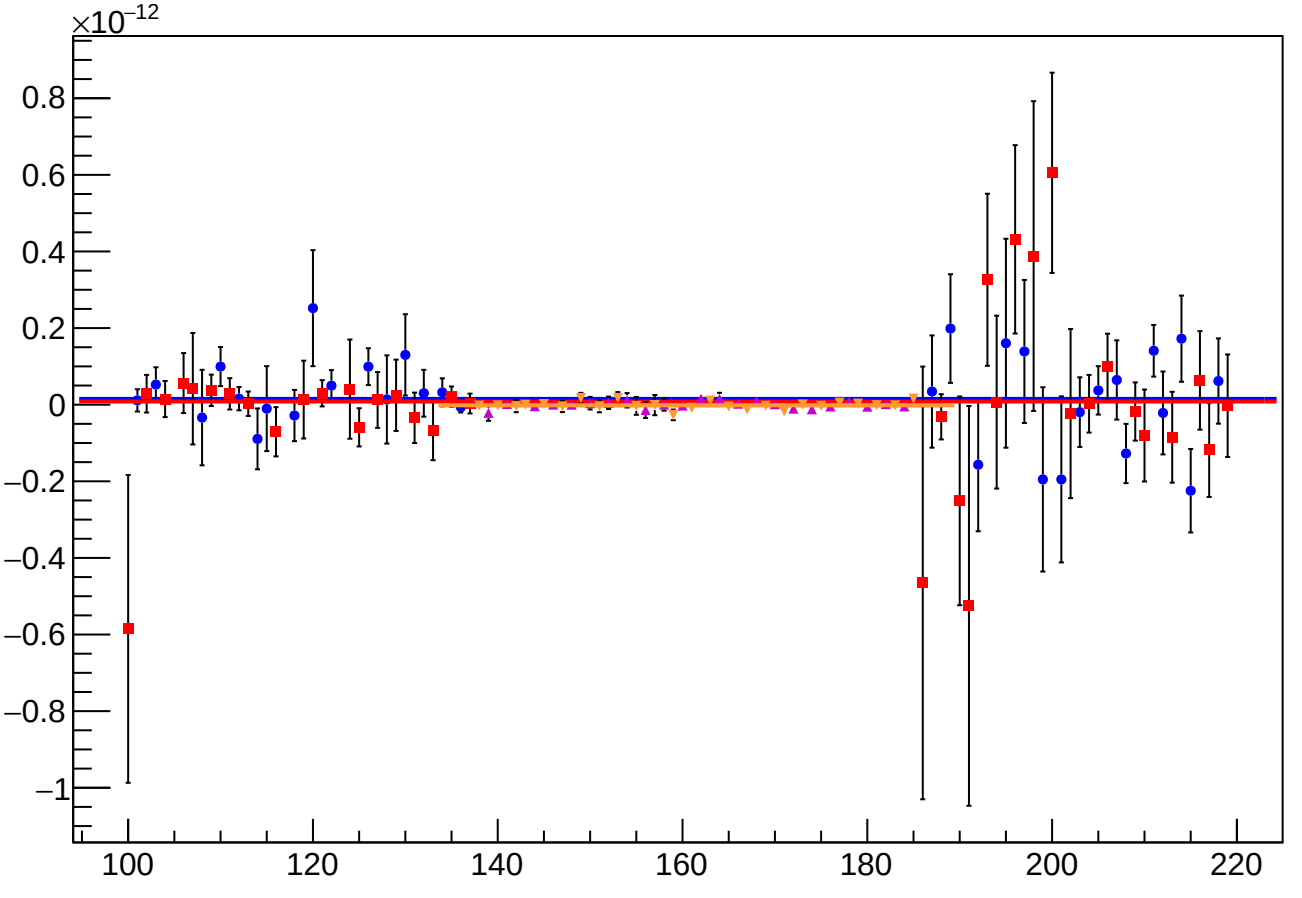
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 36.296+/-0.005 χ^2/NDF: 12626413.4/68

In: 27.758+/-0.004 χ^2/NDF:16244055.8/54

Out: 31.899+/-0.004 χ^2/NDF:14620292.9/61

All: 29.658+/-0.003 χ^2/NDF: 31394781.5/116



Right In: 0.000+/-0.000 χ^2/NDF: 35.5/31

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/36

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

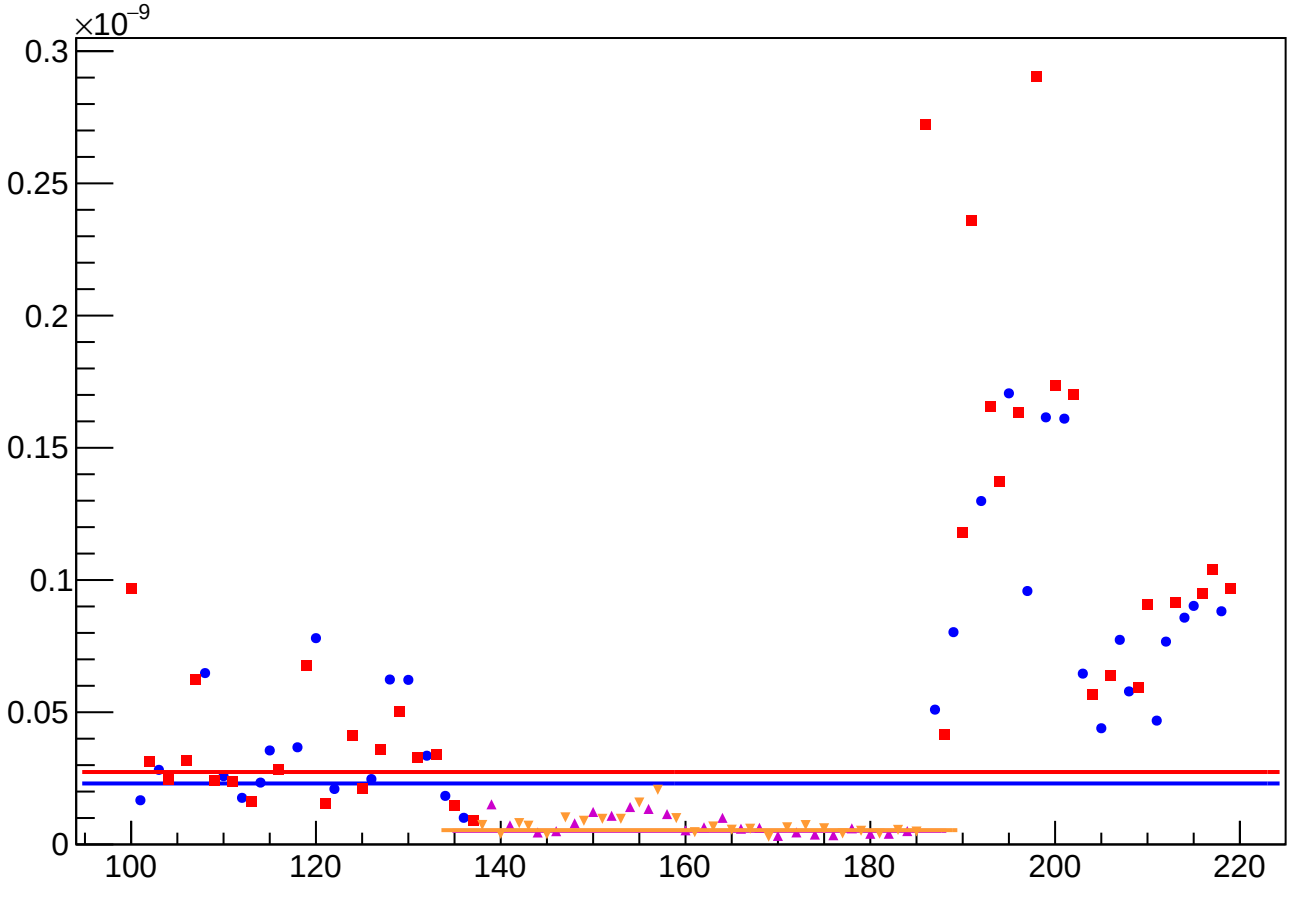
Right: 0.000+/-0.000 χ^2/NDF: 62.6/68

In: -0.000+/-0.000 χ^2/NDF:54.7/54

Out: -0.000+/-0.000 χ^2/NDF:45.3/61

All: -0.000+/-0.000 χ^2/NDF: 100.1/116

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11085402.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11934531.6/36

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

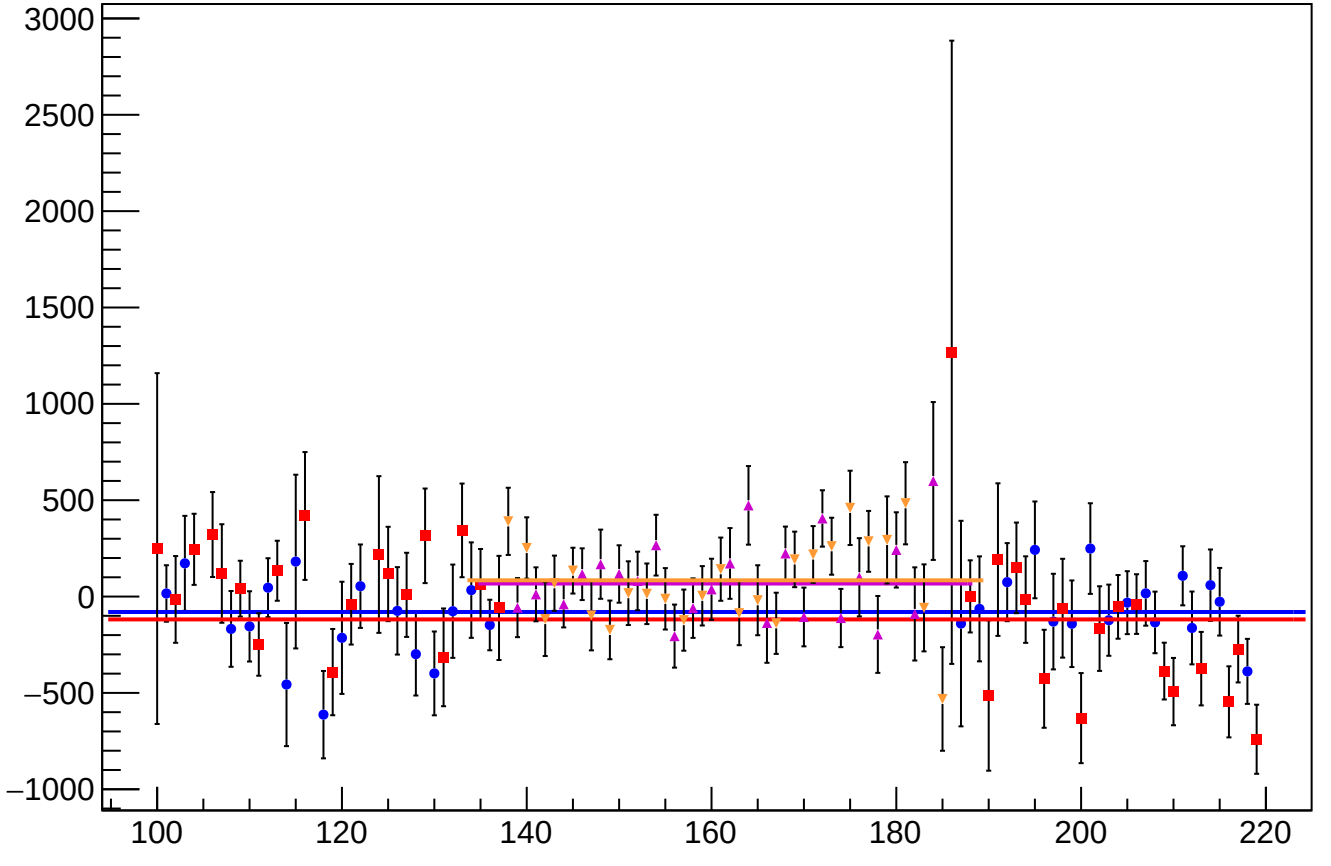
Right: 0.000+/-0.000 χ^2/NDF: 23226117.6/68

In: 0.000+/-0.000 χ^2/NDF:22244699.7/54

Out: 0.000+/-0.000 χ^2/NDF:24141594.0/61

All: 0.000+/-0.000 χ^2/NDF: 46404865.3/116

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -80.085+/-35.286 χ^2/NDF: 24.6/31

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -118.602+/-34.720 χ^2/NDF: 67.2/36

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

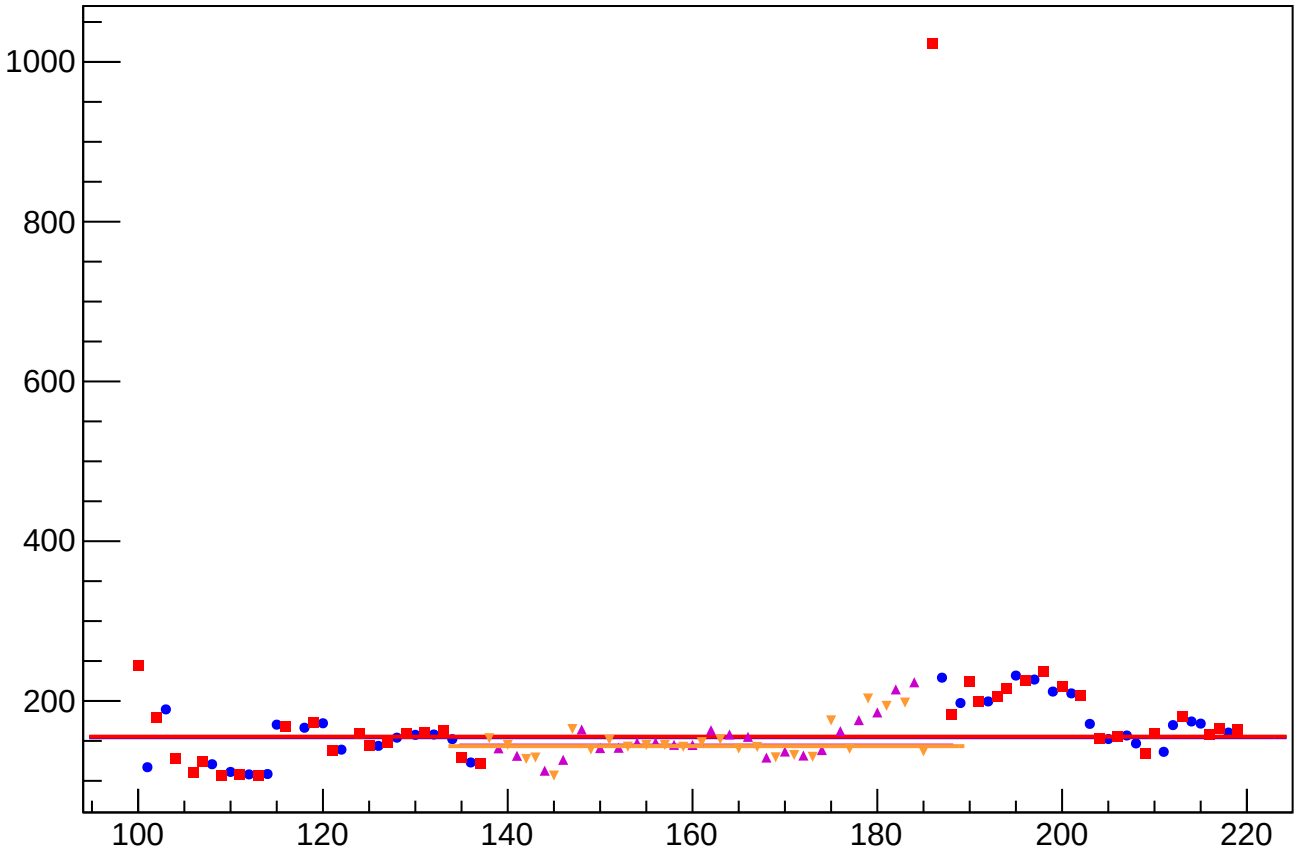
Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

Right: -99.655+/-24.748 χ^2/NDF: 92.4/68

In: -3.776+/-24.534 χ^2/NDF:60.2/54

Out: -12.097+/-23.933 χ^2/NDF:118.9/61

All: -8.040+/-17.132 χ^2/NDF: 179.2/116



Right In: 154.625+/-0.025 χ^2/NDF: 1608172.3/31

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 155.326+/-0.025 χ^2/NDF: 2530510.5/36

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

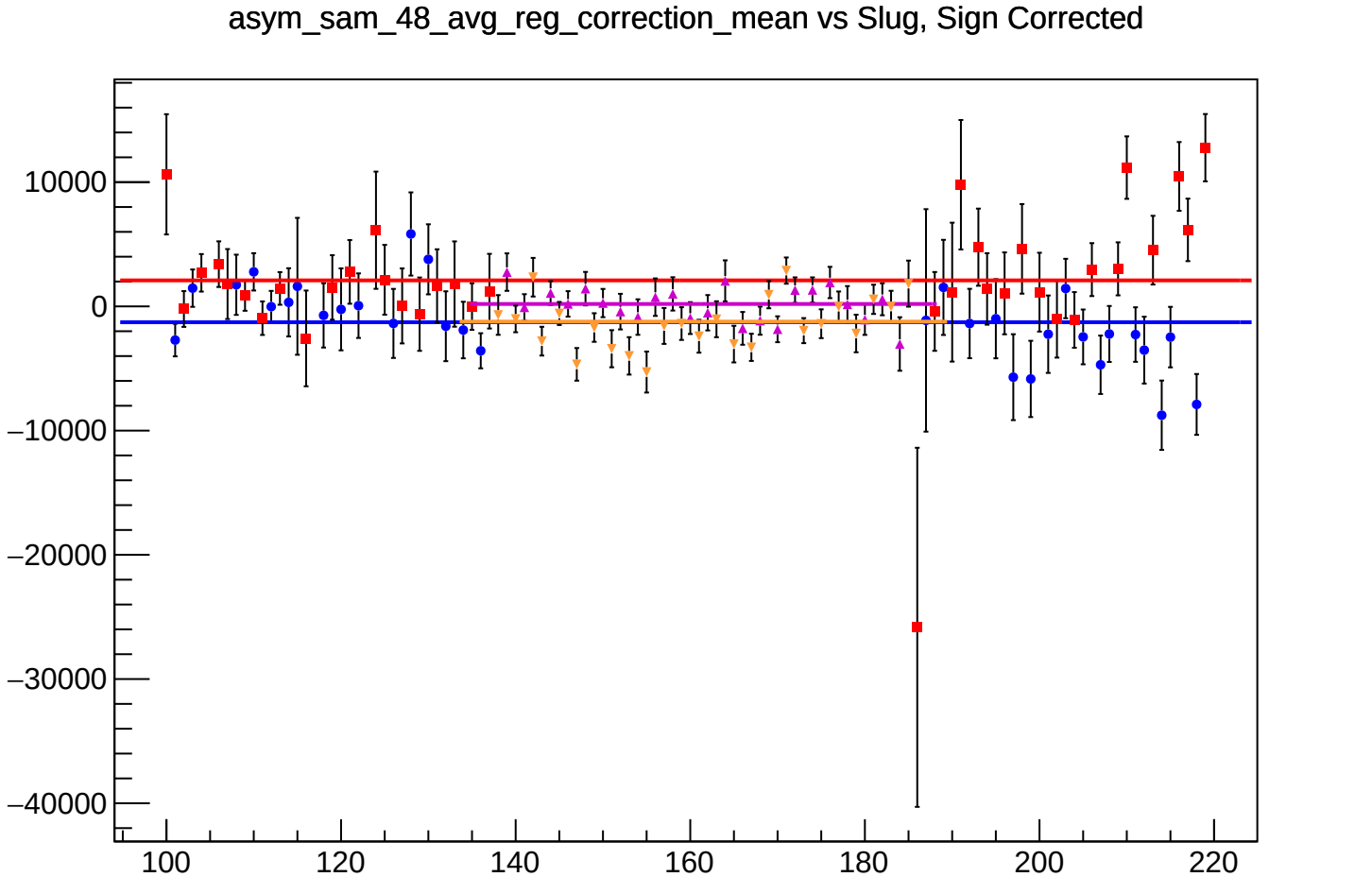
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 154.981+/-0.017 χ^2/NDF: 4139084.0/68

In: 149.225+/-0.017 χ^2/NDF:2401570.3/54

Out: 149.089+/-0.017 χ^2/NDF:3400495.9/61

All: 149.155+/-0.012 χ^2/NDF: 5802097.3/116



Right In: -1277.301+/-403.376 χ^2/NDF: 49.8/31

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: 2094.482+/-386.865 χ^2/NDF: 70.3/36

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

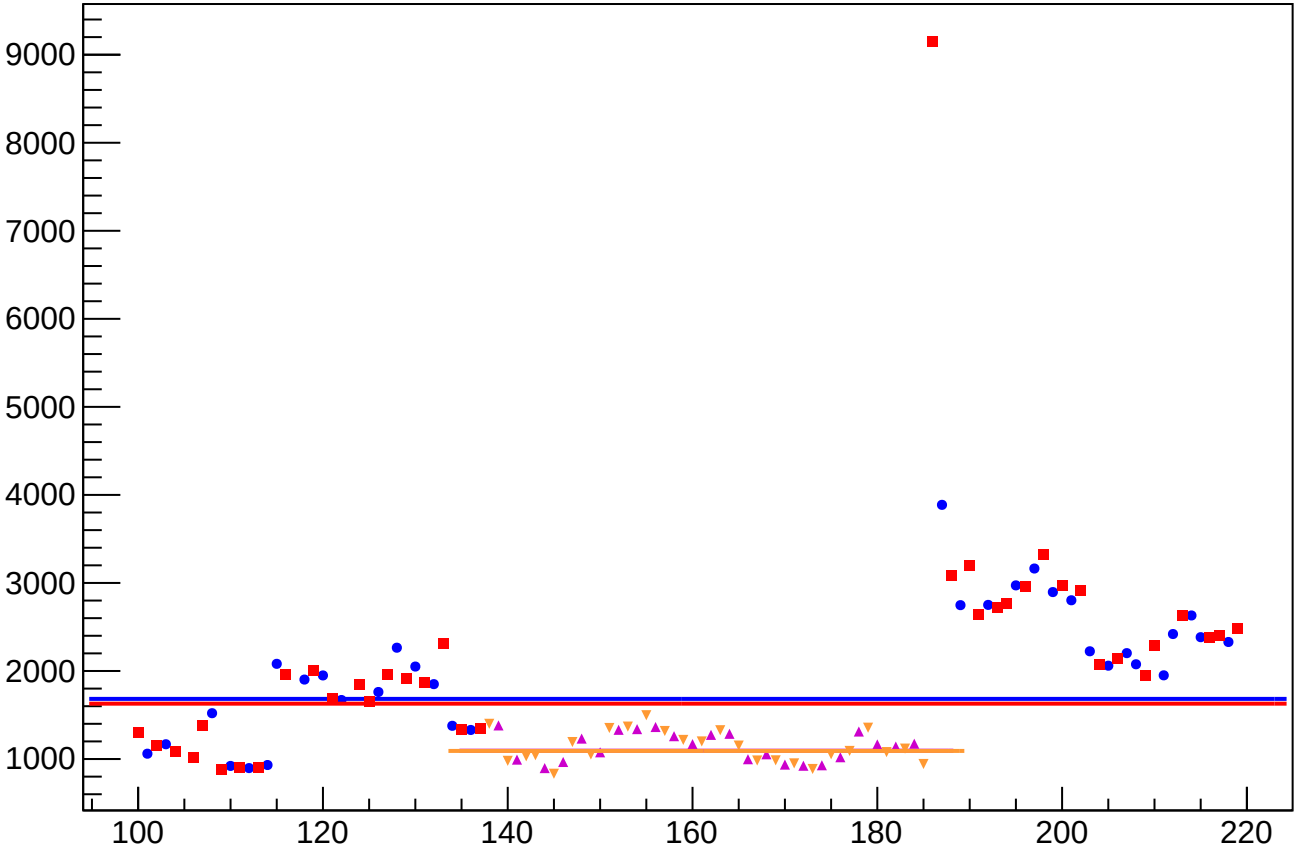
Right: 479.006+/-279.209 χ^2/NDF: 156.5/68

In: -235.455+/-217.895 χ^2/NDF:82.5/54

Out: -237.427+/-211.017 χ^2/NDF:181.3/61

All: -236.473+/-151.585 χ^2/NDF: 263.8/116

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1683.048+/-0.285 χ^2/NDF: 5294379.7/31

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1628.862+/-0.274 χ^2/NDF: 7348458.5/36

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

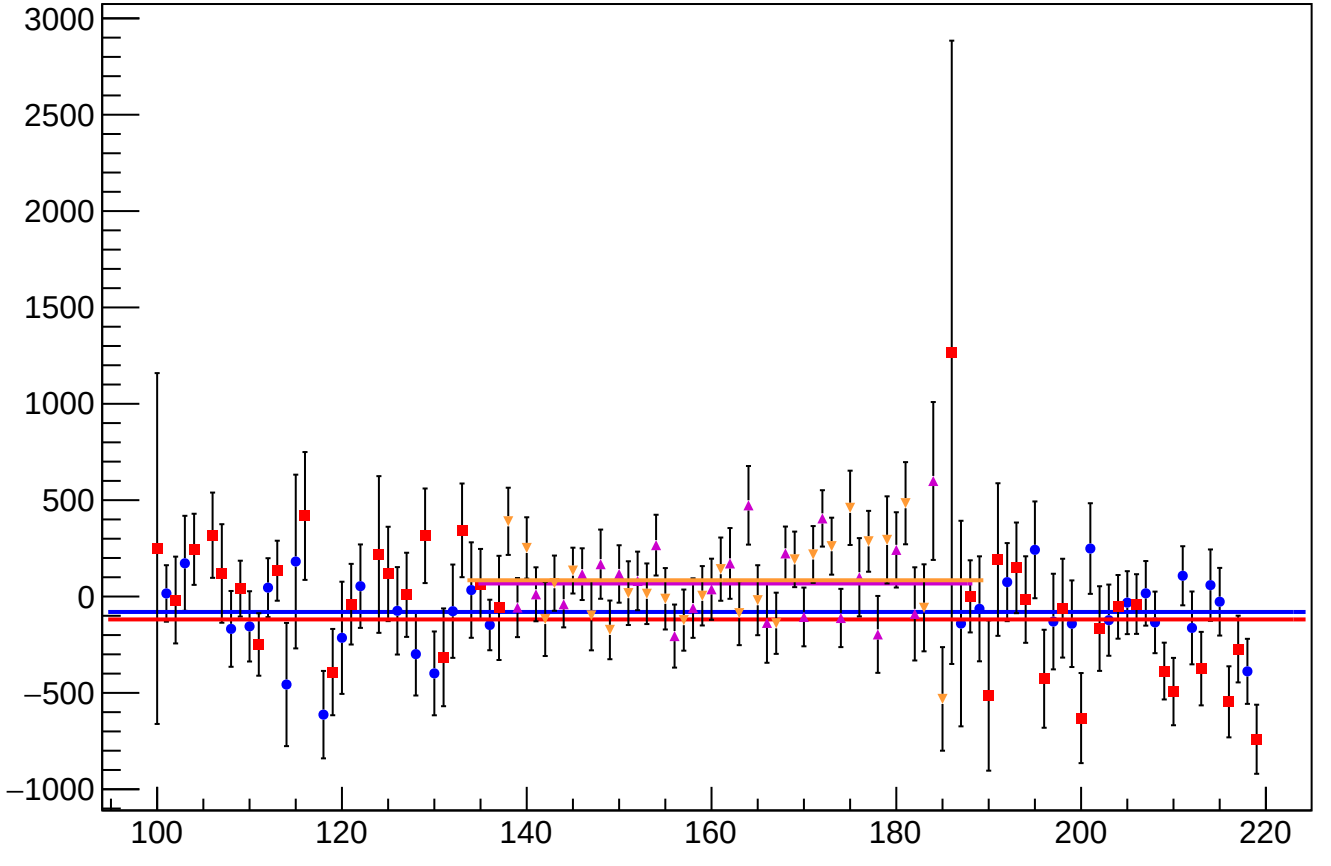
Right: 1654.823+/-0.197 χ^2/NDF: 12661636.5/68

In: 1266.219+/-0.154 χ^2/NDF:9042895.2/54

Out: 1251.712+/-0.149 χ^2/NDF:10946754.2/61

All: 1258.733+/-0.107 χ^2/NDF: 19994224.5/

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -80.091+/-35.286 χ^2/NDF: 24.6/31

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -118.837+/-34.723 χ^2/NDF: 67.1/36

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

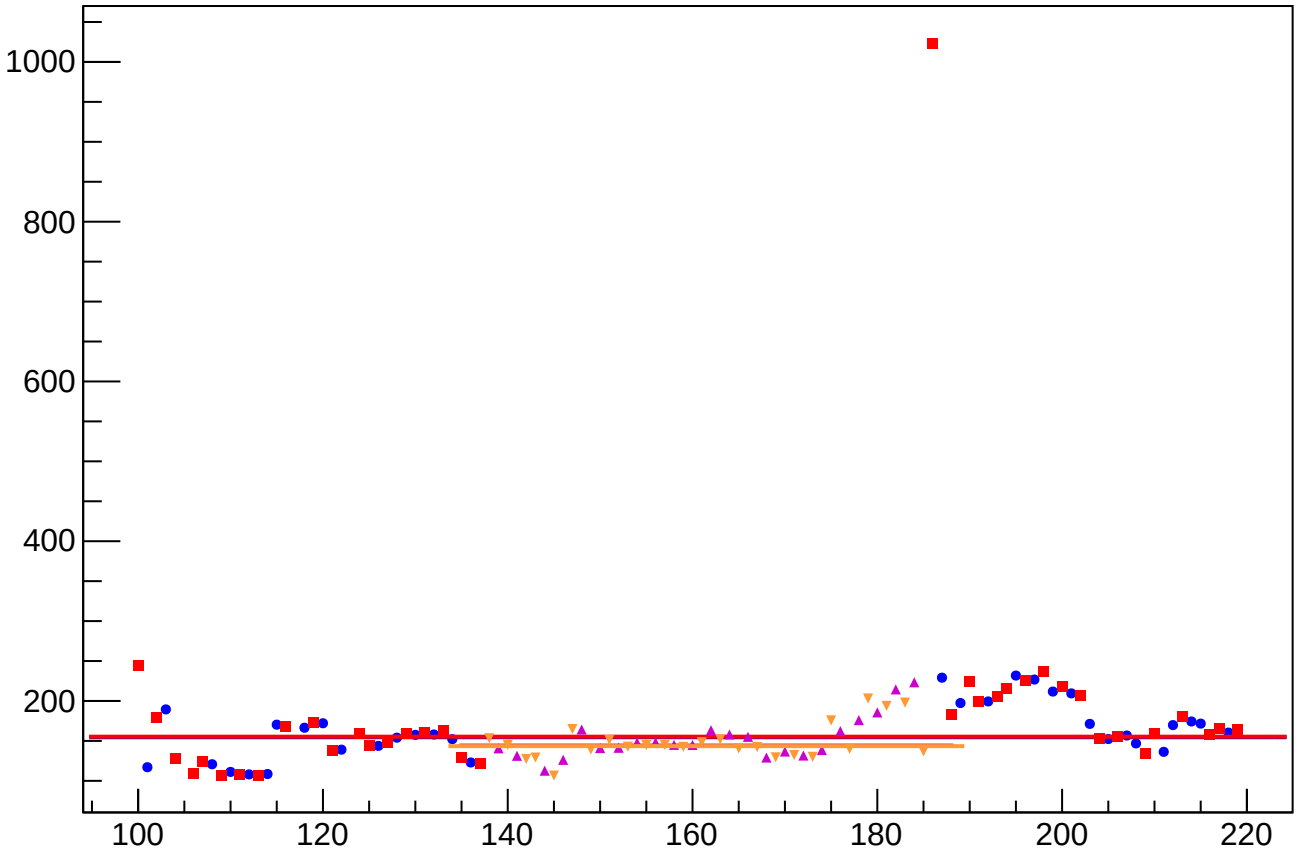
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -99.775+/-24.749 χ^2/NDF: 92.3/68

In: -3.778+/-24.534 χ^2/NDF:60.2/54

Out: -12.192+/-23.934 χ^2/NDF:118.9/61

All: -8.089+/-17.132 χ^2/NDF: 179.1/116



Right In: 154.625+/-0.025 χ^2/NDF: 1608174.5/31

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 155.295+/-0.025 χ^2/NDF: 2536092.2/36

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

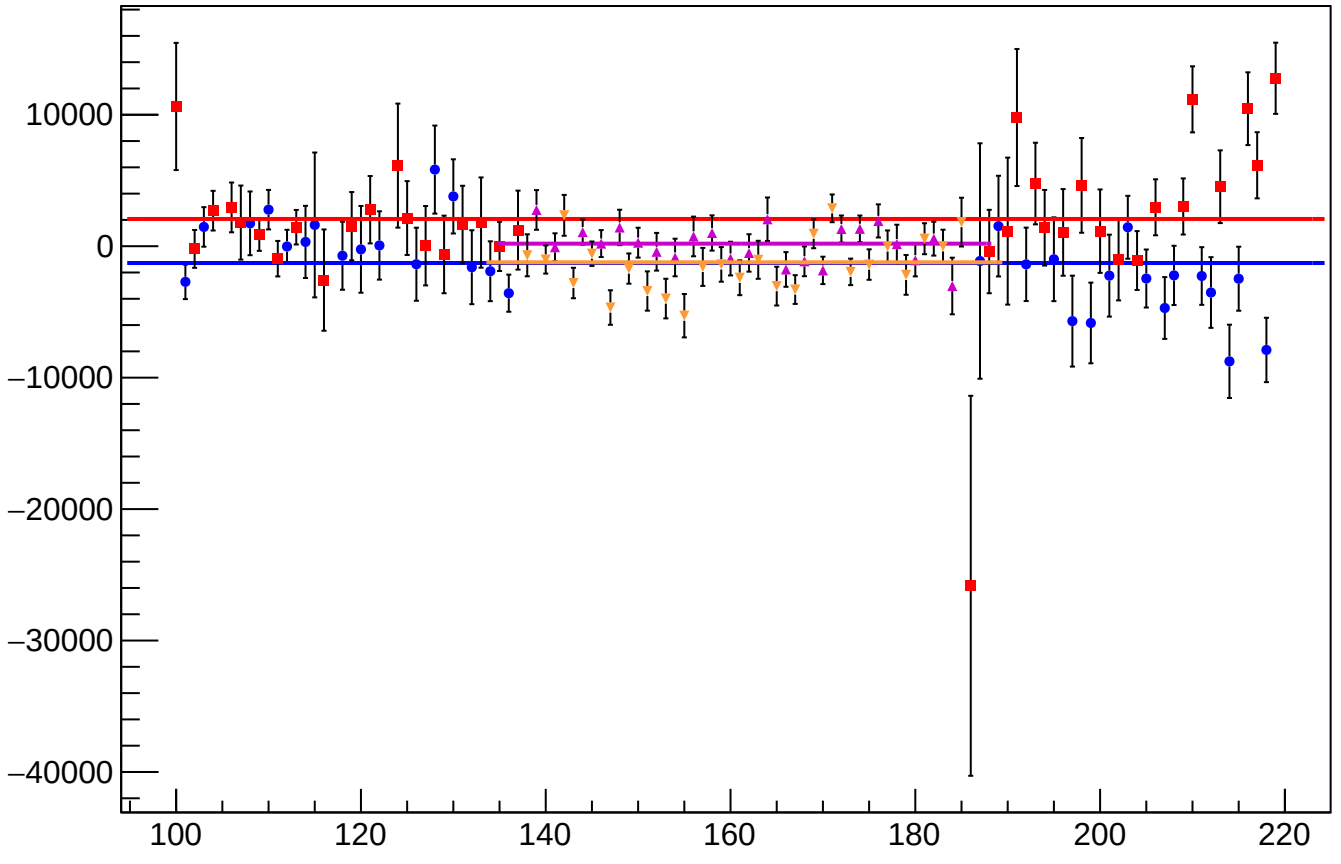
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 154.965+/-0.018 χ^2/NDF: 4144633.1/68

In: 149.225+/-0.017 χ^2/NDF:2401572.9/54

Out: 149.074+/-0.017 χ^2/NDF:3405424.1/61

All: 149.148+/-0.012 χ^2/NDF: 5807035.5/116



Right In: -1277.356+/-403.378 χ^2/NDF: 49.8/31

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 2073.038+/-387.385 χ^2/NDF: 70.0/36

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

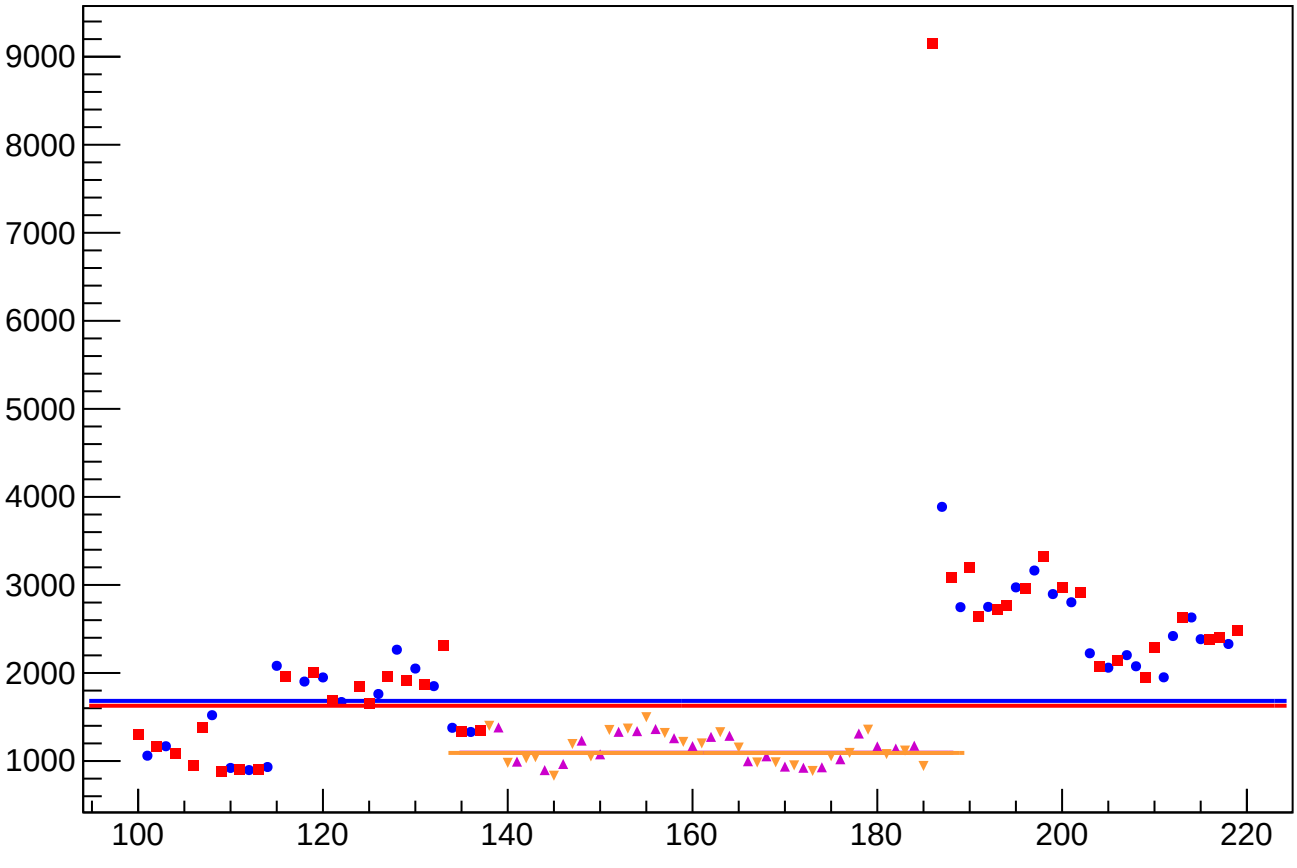
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 465.575+/-279.406 χ^2/NDF: 155.7/68

In: -235.465+/-217.896 χ^2/NDF:82.5/54

Out: -245.646+/-211.101 χ^2/NDF:180.2/61

All: -240.716+/-151.616 χ^2/NDF: 262.7/116



Right In: 1683.062+/-0.285 χ^2/NDF: 5294245.6/31

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1627.957+/-0.274 χ^2/NDF: 7378982.3/36

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

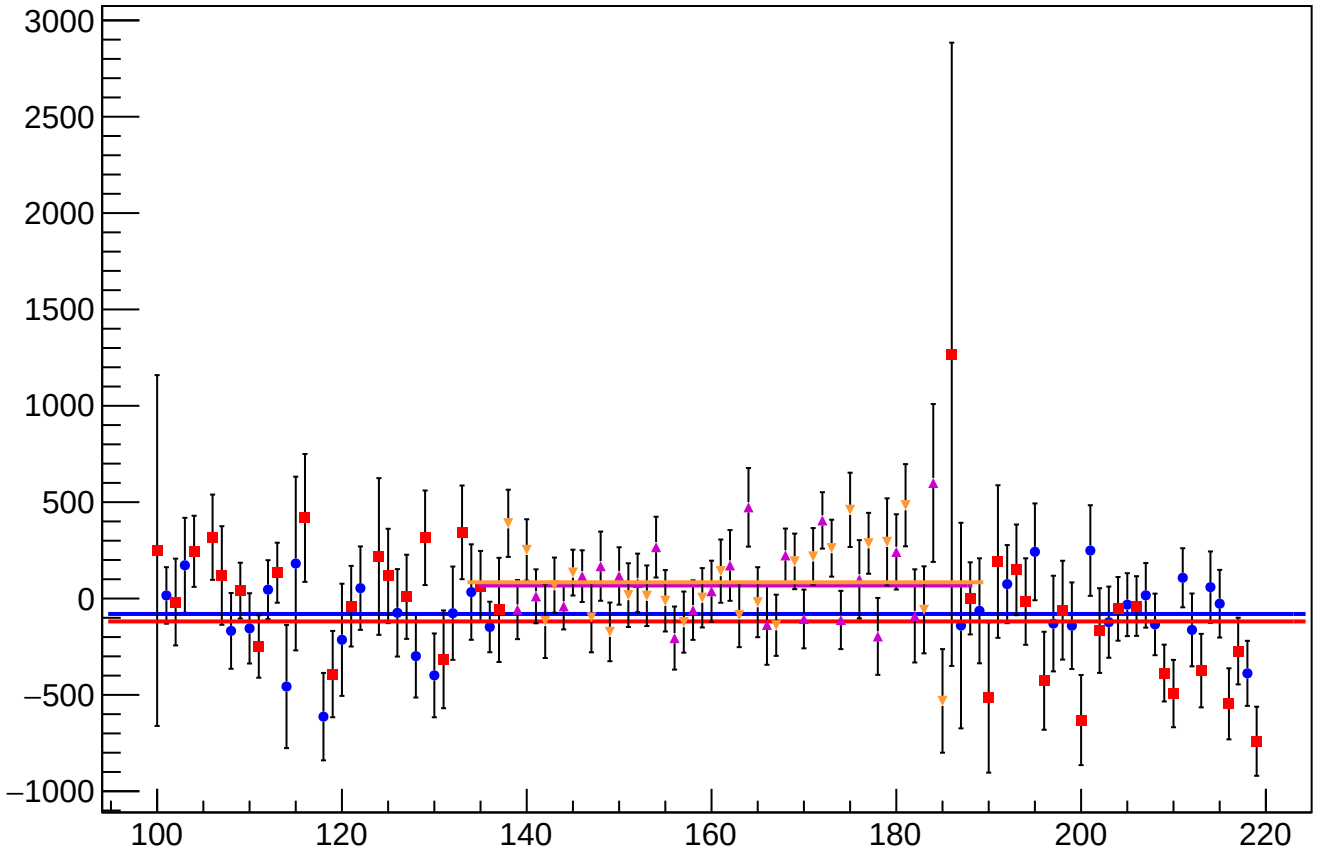
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1654.395+/-0.198 χ^2/NDF: 12692644.1/68

In: 1266.222+/-0.154 χ^2/NDF:9042873.8/54

Out: 1251.142+/-0.149 χ^2/NDF:10963075.7/61

All: 1258.443+/-0.107 χ^2/NDF: 20010891.1/1



Right In: -80.091+/-35.286 χ^2/NDF: 24.6/31

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -118.837+/-34.723 χ^2/NDF: 67.1/36

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

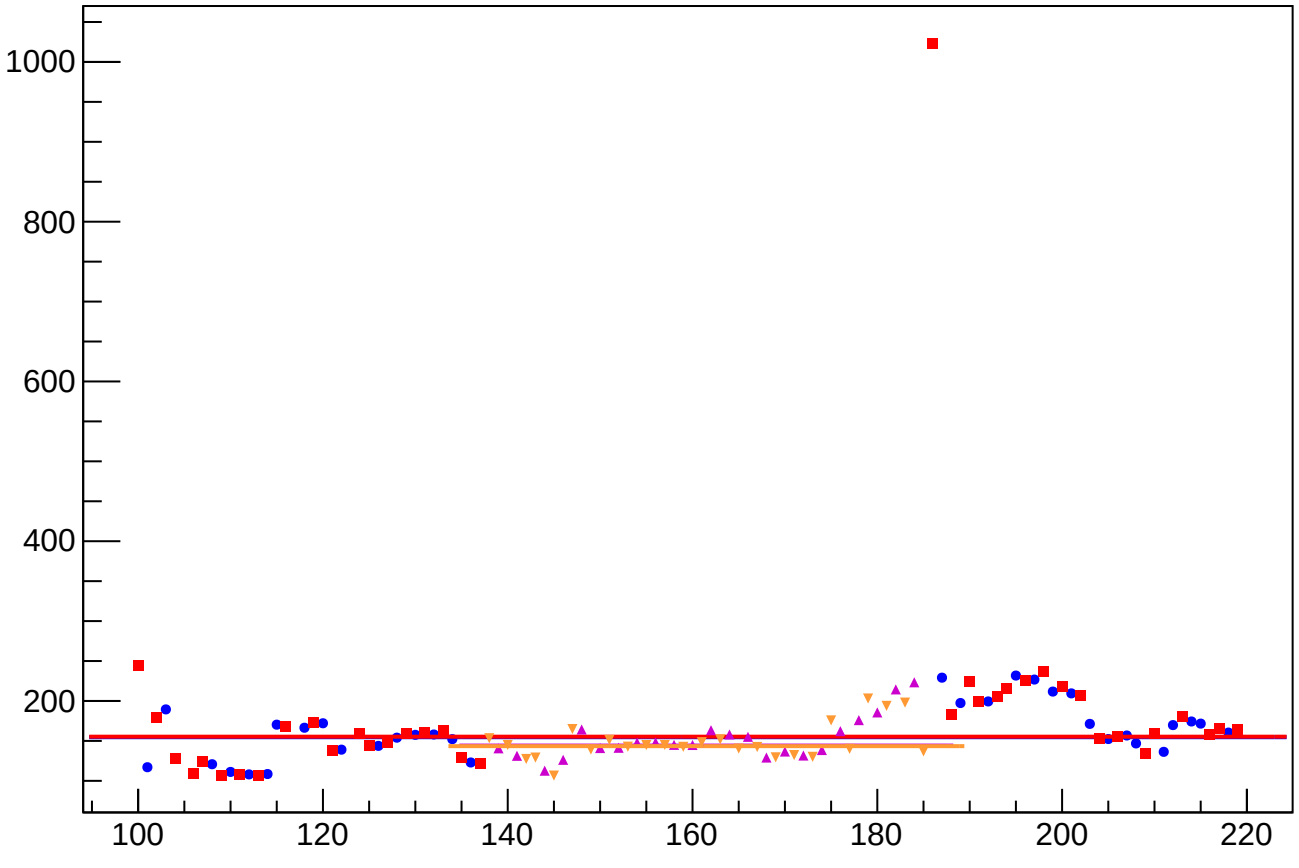
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -99.775+/-24.749 χ^2/NDF: 92.3/68

In: -3.778+/-24.534 χ^2/NDF:60.2/54

Out: -12.192+/-23.934 χ^2/NDF:118.9/61

All: -8.089+/-17.132 χ^2/NDF: 179.1/116



Right In: 154.625+/-0.025 χ^2/NDF: 1608174.5/31

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 155.295+/-0.025 χ^2/NDF: 2536092.2/36

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

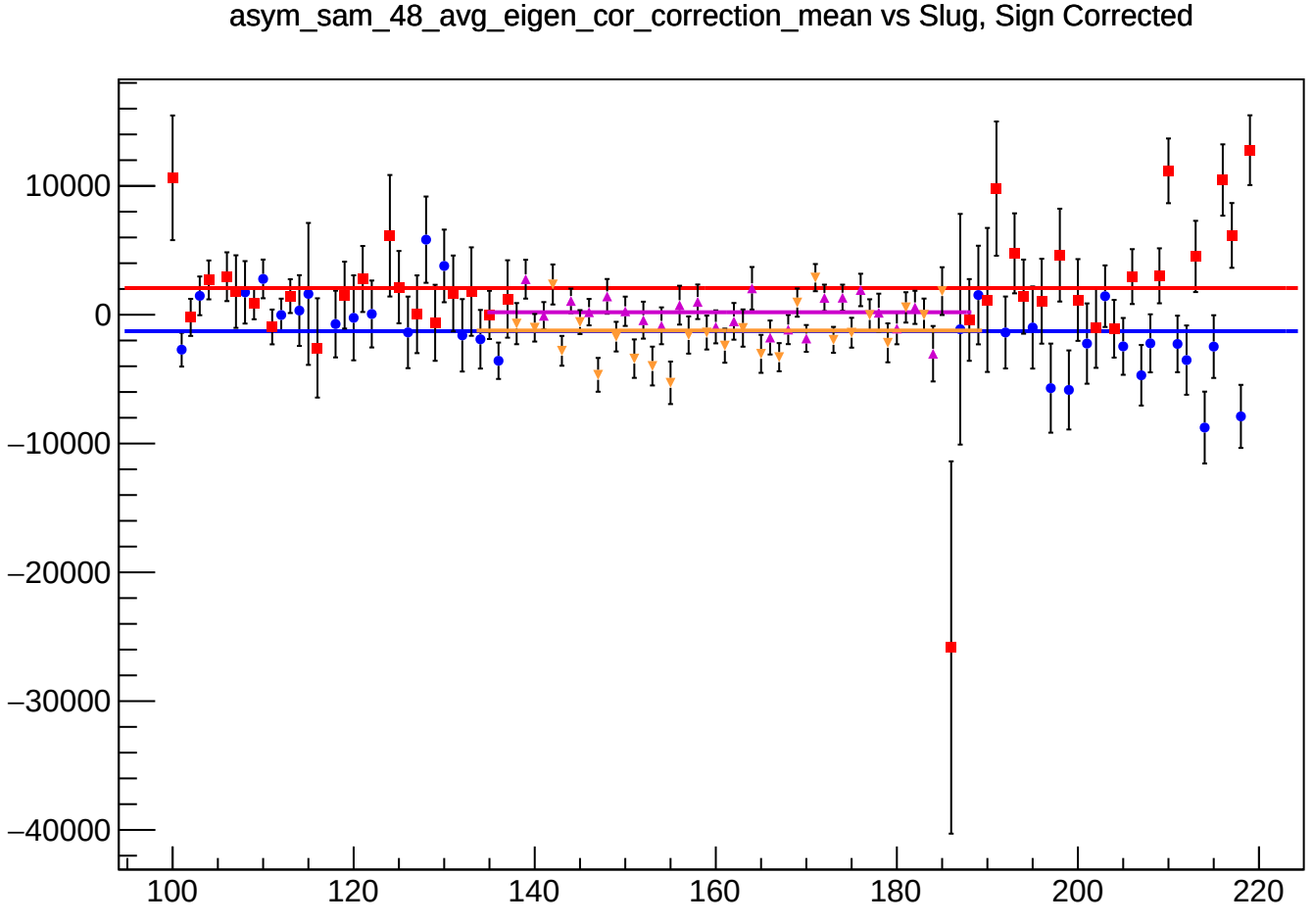
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 154.965+/-0.018 χ^2/NDF: 4144633.1/68

In: 149.225+/-0.017 χ^2/NDF:2401572.9/54

Out: 149.074+/-0.017 χ^2/NDF:3405424.1/61

All: 149.148+/-0.012 χ^2/NDF: 5807035.5/116



Right In: -1277.356+/-403.378 χ^2/NDF: 49.8/31

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 2073.038+/-387.385 χ^2/NDF: 70.0/36

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

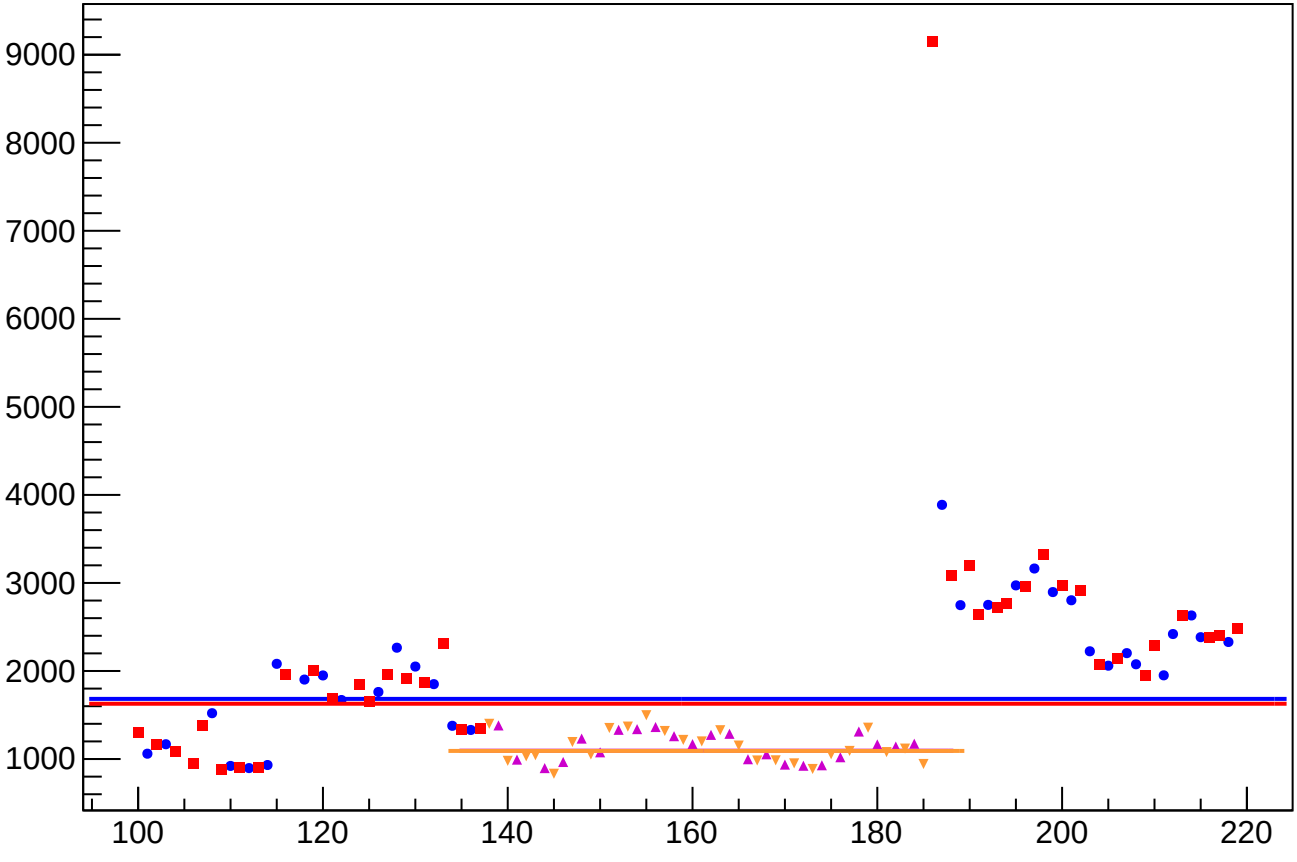
Right: 465.575+/-279.406 χ^2/NDF: 155.7/68

In: -235.465+/-217.896 χ^2/NDF:82.5/54

Out: -245.646+/-211.101 χ^2/NDF:180.2/61

All: -240.716+/-151.616 χ^2/NDF: 262.7/116

asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1683.062+/-0.285 χ^2/NDF: 5294245.6/31

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1627.957+/-0.274 χ^2/NDF: 7378982.3/36

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

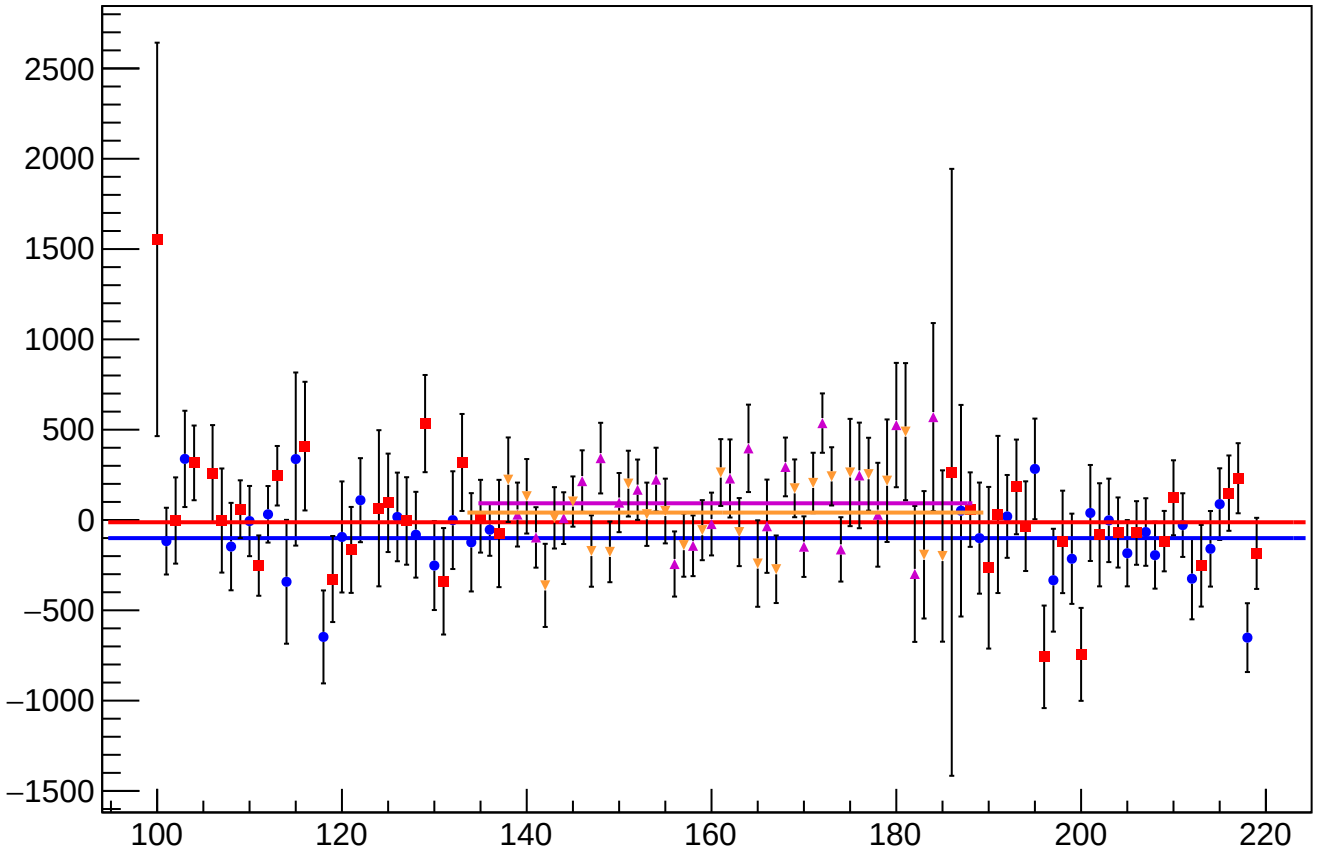
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1654.395+/-0.198 χ^2/NDF: 12692644.1/68

In: 1266.222+/-0.154 χ^2/NDF:9042873.8/54

Out: 1251.142+/-0.149 χ^2/NDF:10963075.7/61

All: 1258.443+/-0.107 χ^2/NDF: 20010891.1/1



Right In: -100.319+/-39.763 χ^2/NDF: 25.8/31

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -12.456+/-38.822 χ^2/NDF: 42.3/36

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

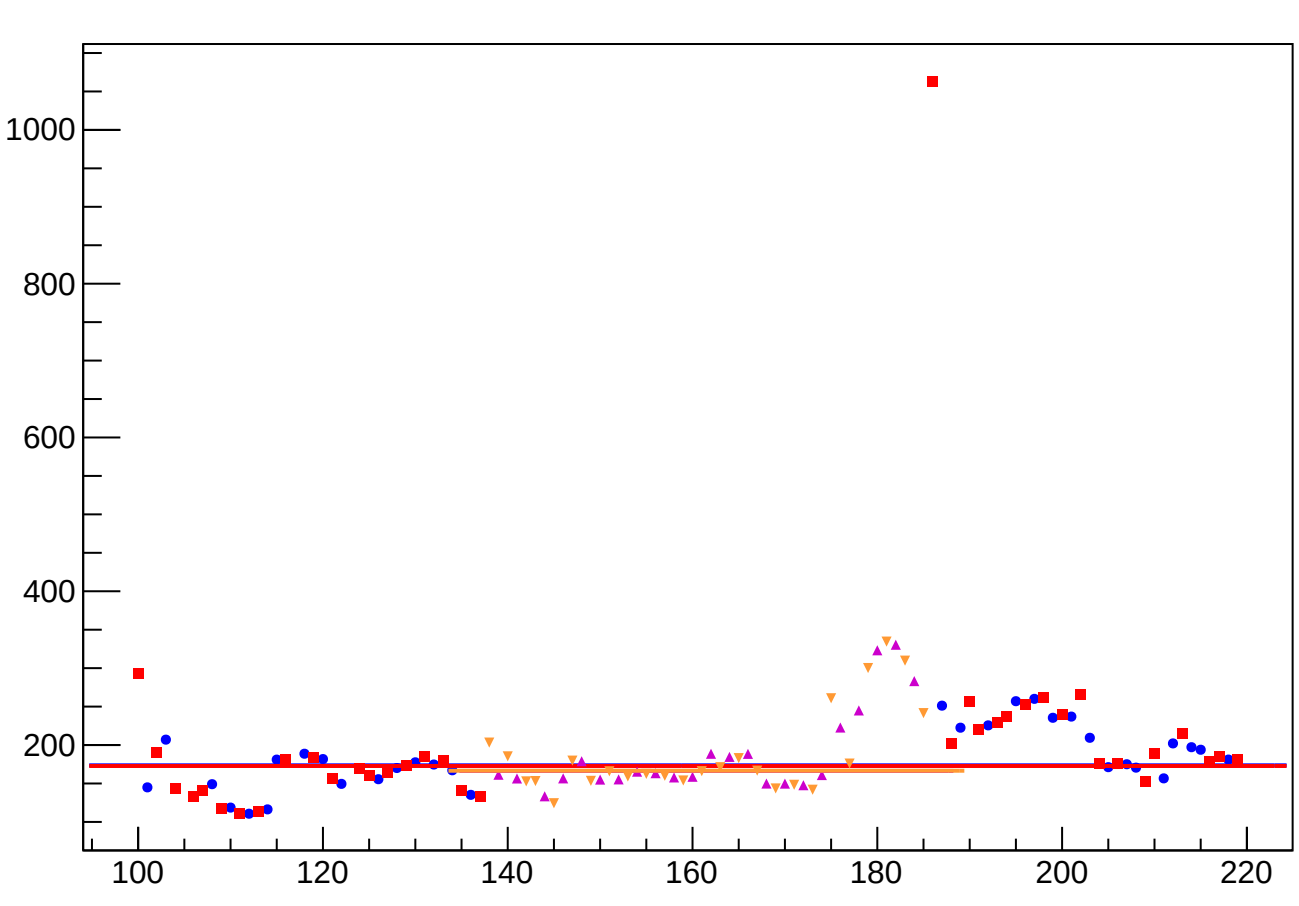
Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

Right: -55.335+/-27.778 χ^2/NDF: 70.6/68

In: -4.851+/-28.258 χ^2/NDF:66.9/54

Out: 14.071+/-27.576 χ^2/NDF:65.6/61

All: 4.841+/-19.736 χ^2/NDF: 132.7/116



Right In: 173.590+/-0.028 χ^2/NDF: 1760916.6/31

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 172.777+/-0.027 χ^2/NDF: 2772327.1/36

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

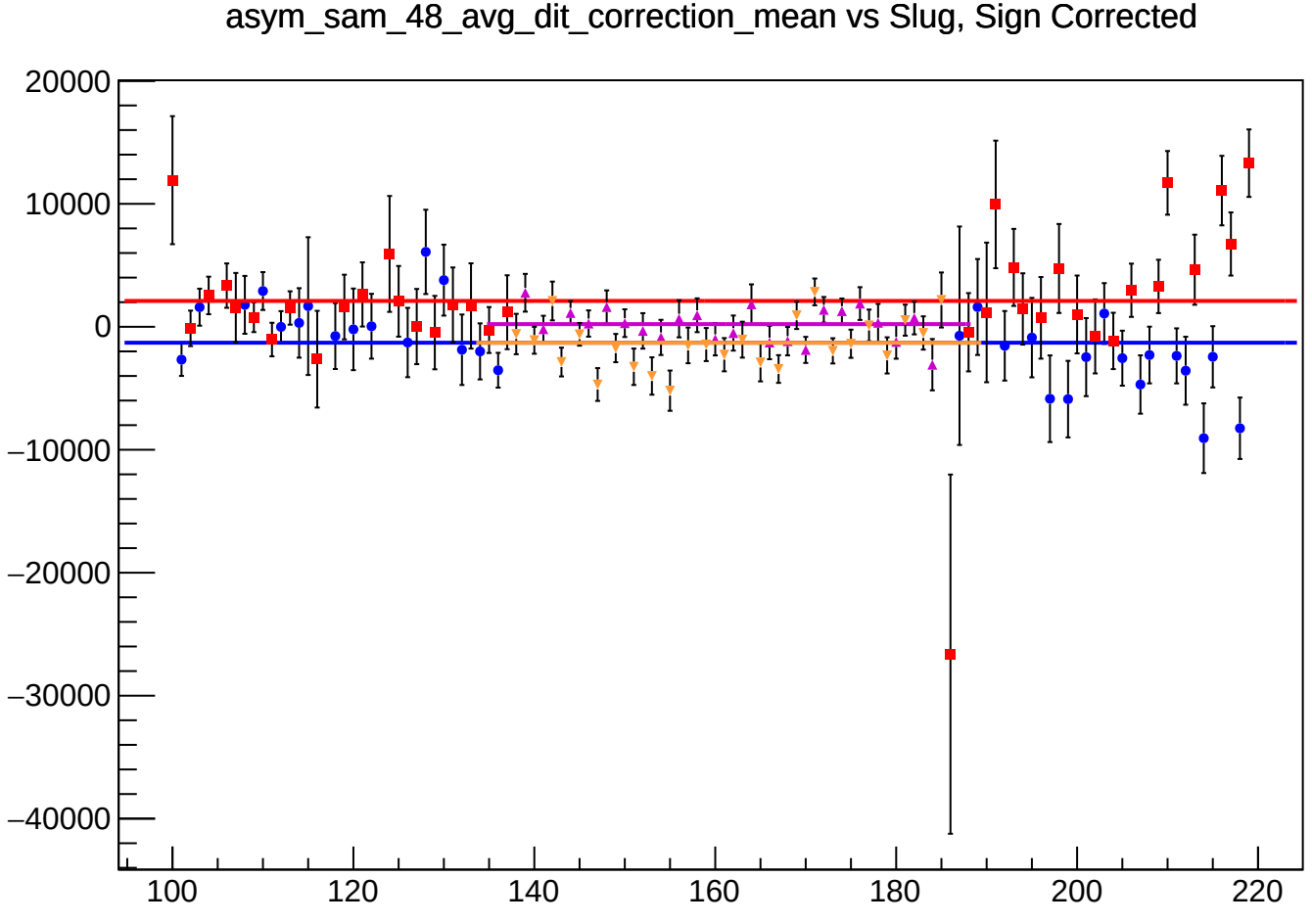
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 173.173+/-0.020 χ^2/NDF: 4533671.4/68

In: 169.985+/-0.020 χ^2/NDF:3186578.0/54

Out: 169.716+/-0.019 χ^2/NDF:4517260.1/61

All: 169.847+/-0.014 χ^2/NDF: 7703931.4/116



Right In: -1294.385+/-408.557 χ^2/NDF: 50.8/31

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: 2102.488+/-391.014 χ^2/NDF: 74.7/36

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

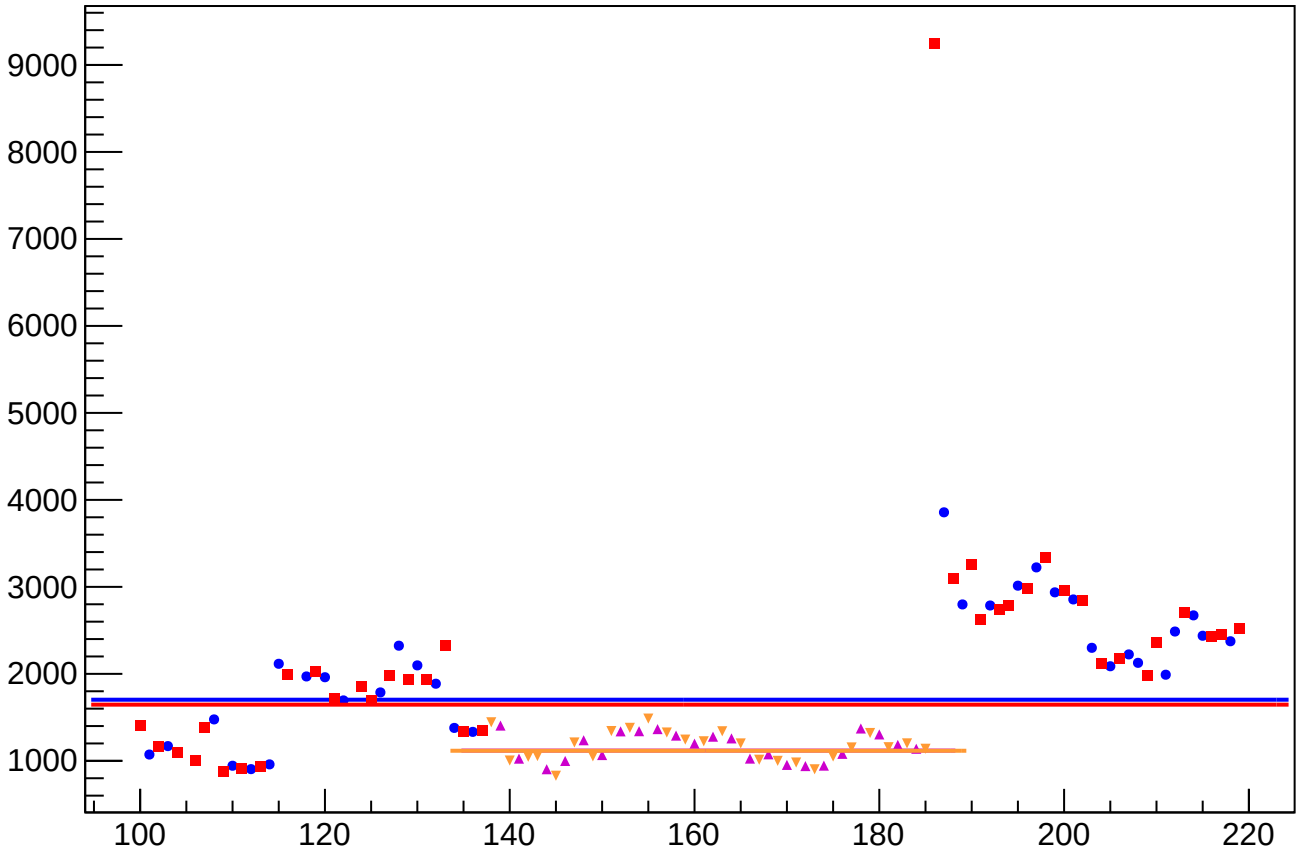
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 478.544+/-282.487 χ^2/NDF: 161.6/68

In: -228.908+/-221.965 χ^2/NDF:82.7/54

Out: -272.606+/-214.742 χ^2/NDF:182.6/61

All: -251.480+/-154.336 χ^2/NDF: 265.4/116



Right In: 1702.785+/-0.289 χ^2/NDF: 5395151.4/31

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1646.075+/-0.276 χ^2/NDF: 7382094.9/36

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

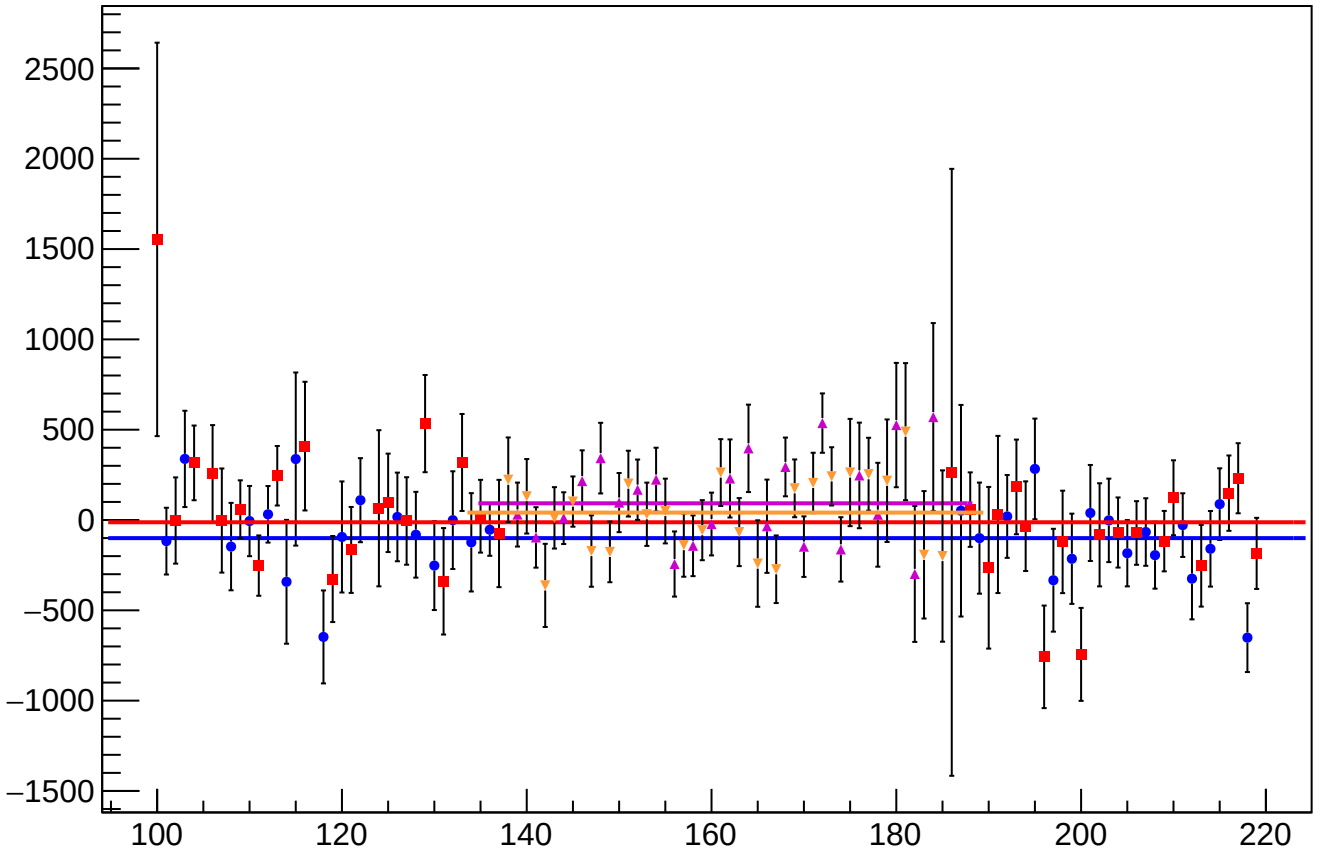
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1673.186+/-0.200 χ^2/NDF: 12797358.6/68

In: 1290.489+/-0.157 χ^2/NDF:9014252.0/54

Out: 1275.900+/-0.152 χ^2/NDF:10816202.8/61

All: 1282.953+/-0.109 χ^2/NDF: 19834917.8/1



Right In: -100.314+/-39.763 χ^2/NDF: 25.8/31

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: -12.460+/-38.822 χ^2/NDF: 42.3/36

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

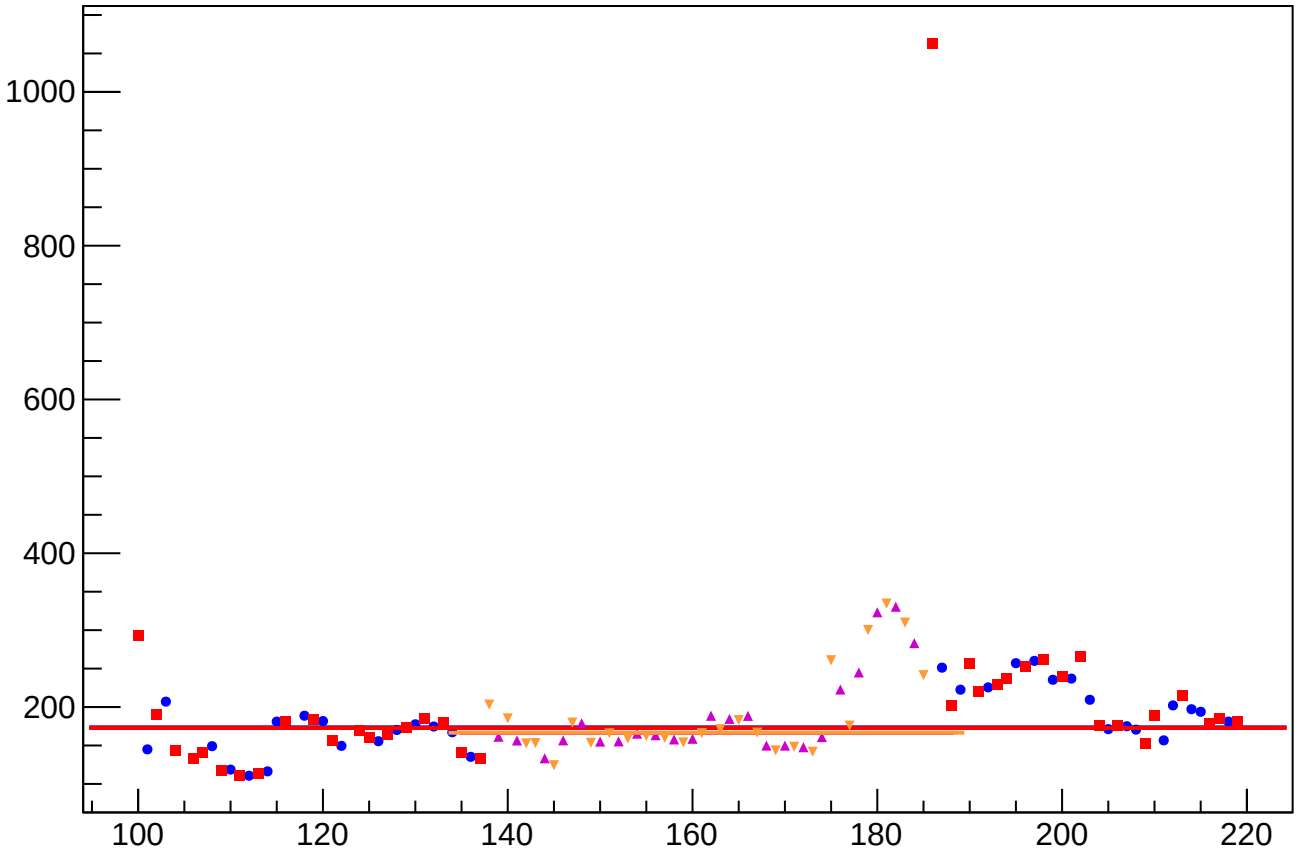
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -55.335+/-27.778 χ^2/NDF: 70.6/68

In: -4.849+/-28.258 χ^2/NDF:66.9/54

Out: 14.070+/-27.576 χ^2/NDF:65.6/61

All: 4.842+/-19.736 χ^2/NDF: 132.7/116



Right In: 173.589+/-0.028 χ^2/NDF: 1760896.9/31

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 172.777+/-0.027 χ^2/NDF: 2772328.2/36

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

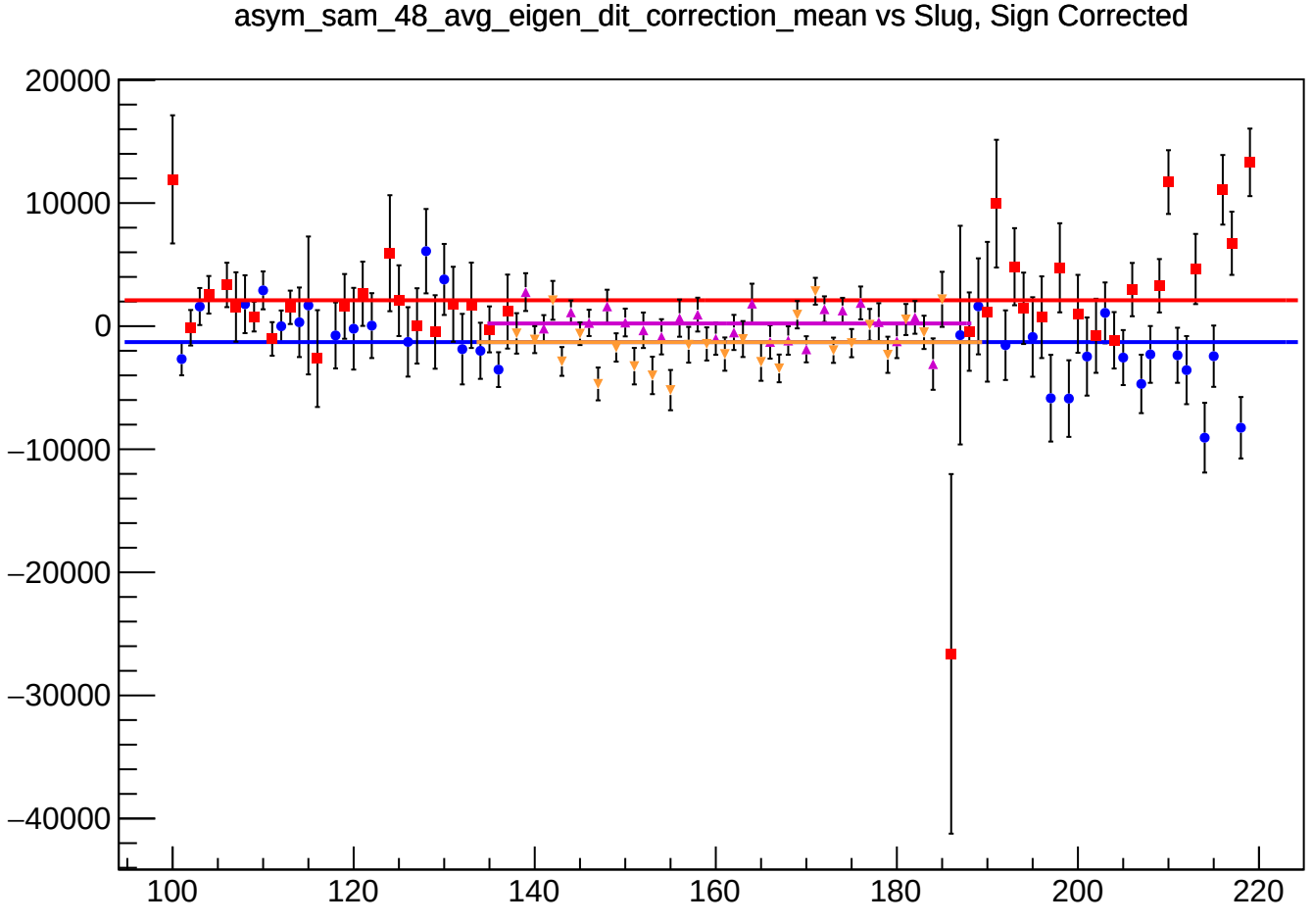
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 173.173+/-0.020 χ^2/NDF: 4533652.8/68

In: 169.986+/-0.020 χ^2/NDF:3186534.9/54

Out: 169.716+/-0.019 χ^2/NDF:4517252.1/61

All: 169.847+/-0.014 χ^2/NDF: 7703880.2/116



Right In: -1294.383+/-408.557 χ^2/NDF: 50.8/31

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 2102.485+/-391.014 χ^2/NDF: 74.7/36

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

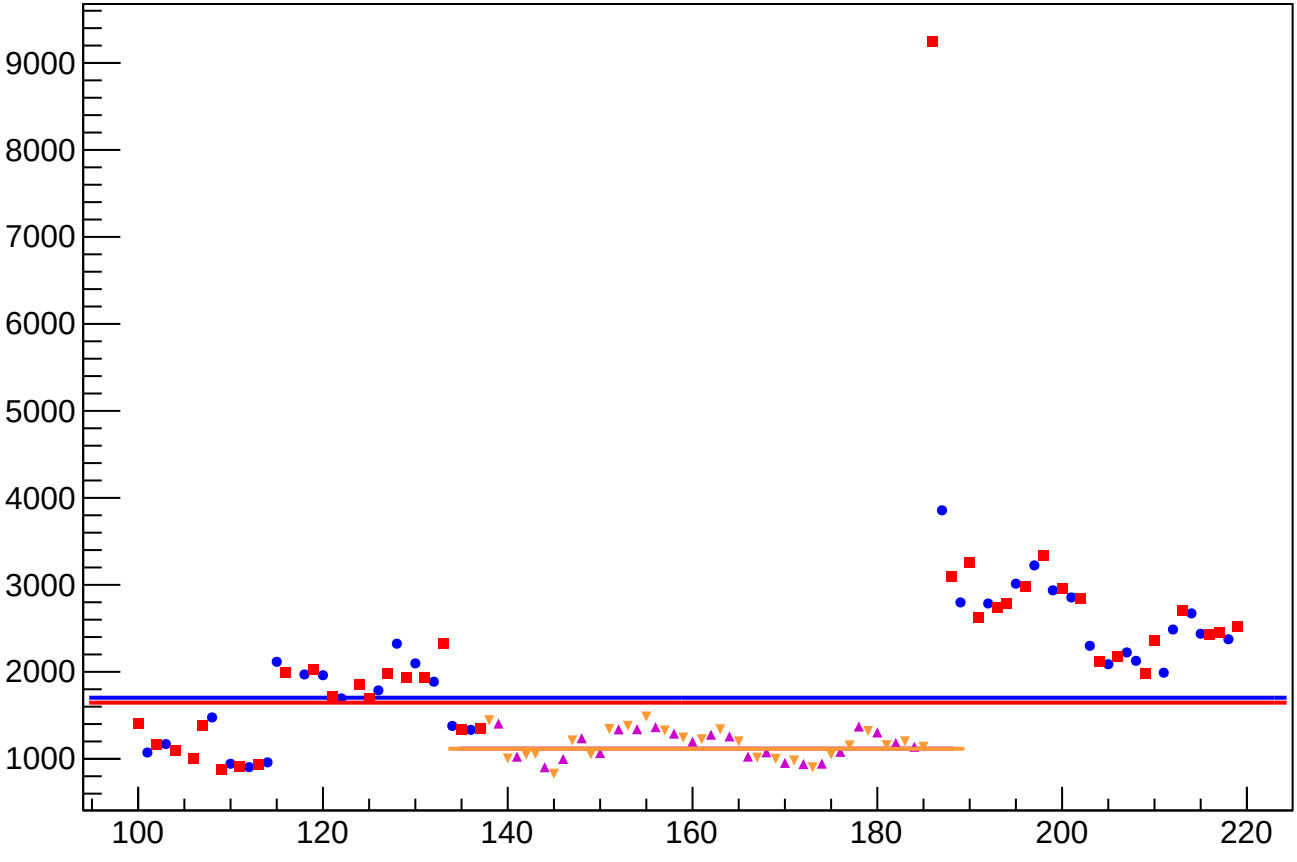
Right: 478.543+/-282.487 χ^2/NDF: 161.6/68

In: -228.908+/-221.965 χ^2/NDF:82.7/54

Out: -272.607+/-214.741 χ^2/NDF:182.6/61

All: -251.480+/-154.336 χ^2/NDF: 265.4/116

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1702.783+/-0.289 χ^2/NDF: 5395153.2/31

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1646.073+/-0.276 χ^2/NDF: 7382094.6/36

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

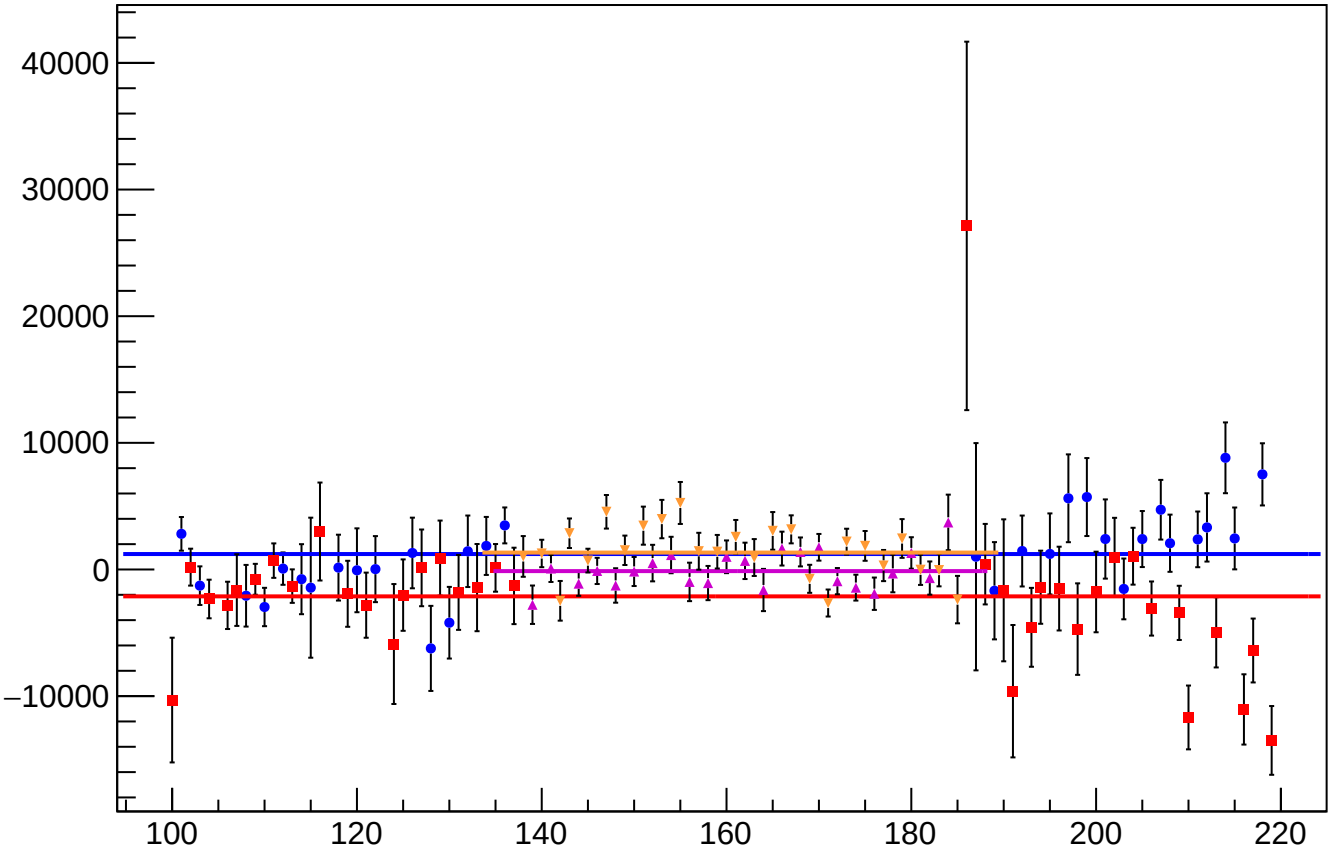
Right: 1673.184+/-0.200 χ^2/NDF: 12797359.9/68

In: 1290.487+/-0.157 χ^2/NDF:9014261.4/54

Out: 1275.898+/-0.152 χ^2/NDF:10816213.6/61

All: 1282.951+/-0.109 χ^2/NDF: 19834938.1/1

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 1219.176+/-405.693 χ^2/NDF: 50.4/31

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -2123.015+/-389.216 χ^2/NDF: 74.8/36

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

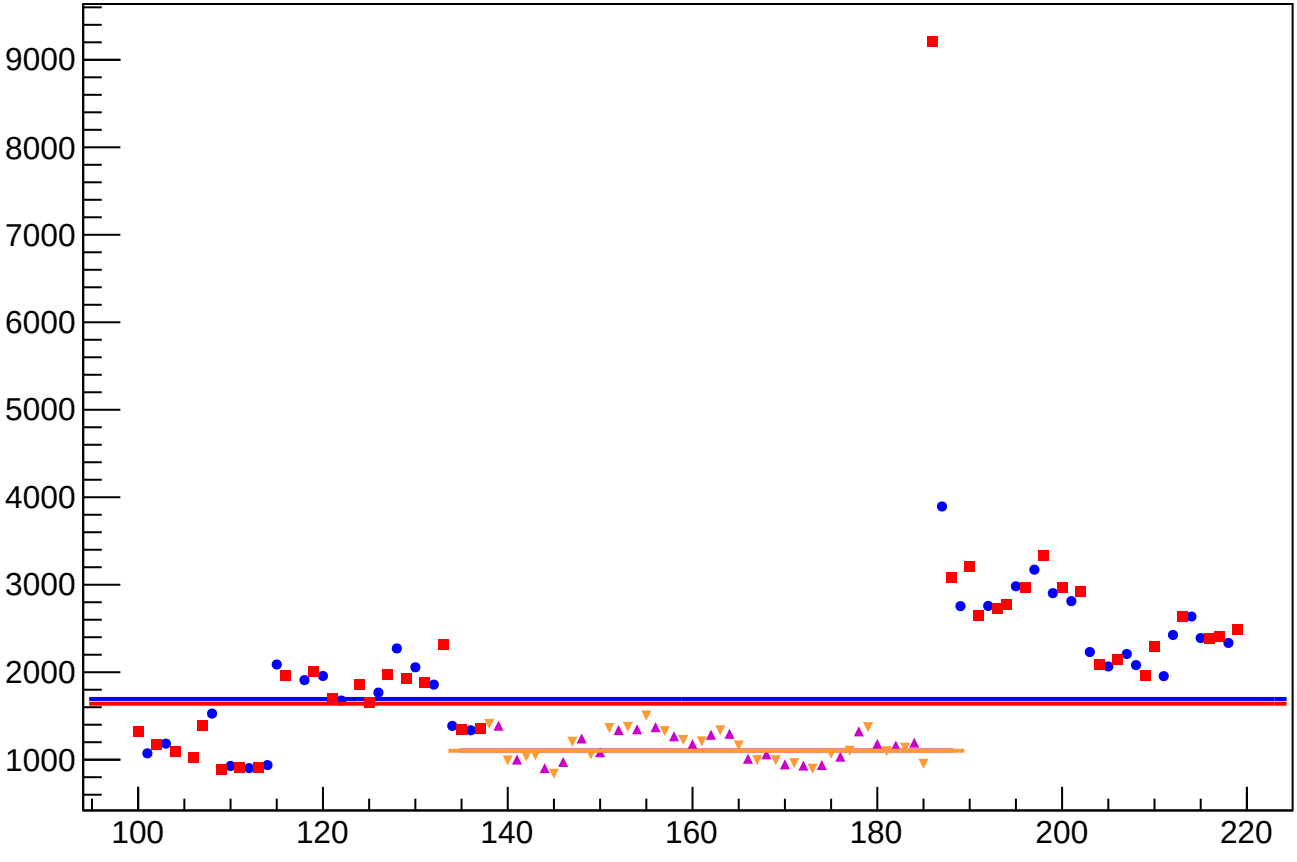
Right: -521.168+/-280.862 χ^2/NDF: 160.5/68

In: 266.989+/-219.746 χ^2/NDF:82.2/54

Out: 300.892+/-212.822 χ^2/NDF:185.8/61

All: 284.483+/-152.877 χ^2/NDF: 268.0/116

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1694.427+/-0.287 χ^2/NDF: 5223708.9/31

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1640.362+/-0.275 χ^2/NDF: 7270447.8/36

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

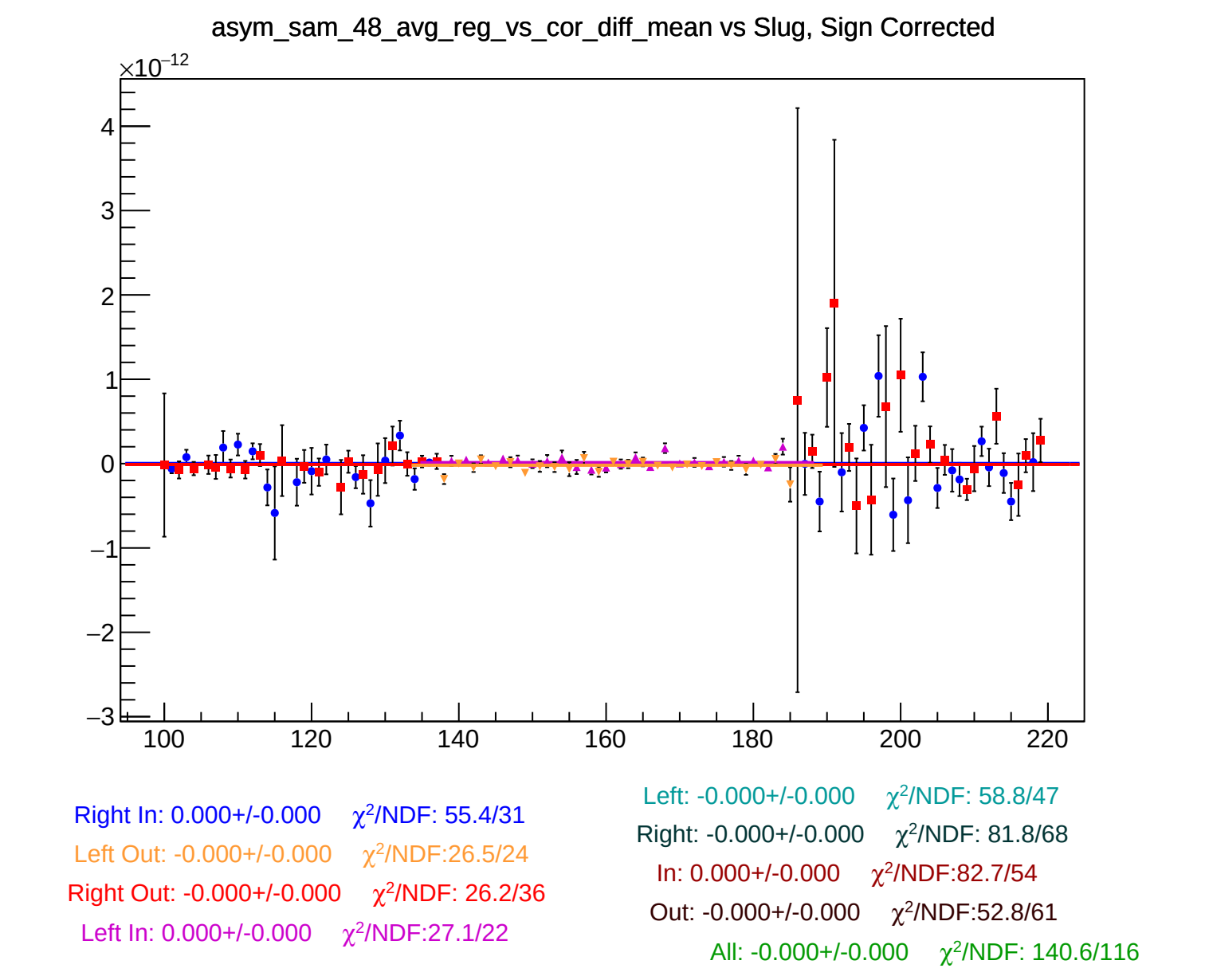
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

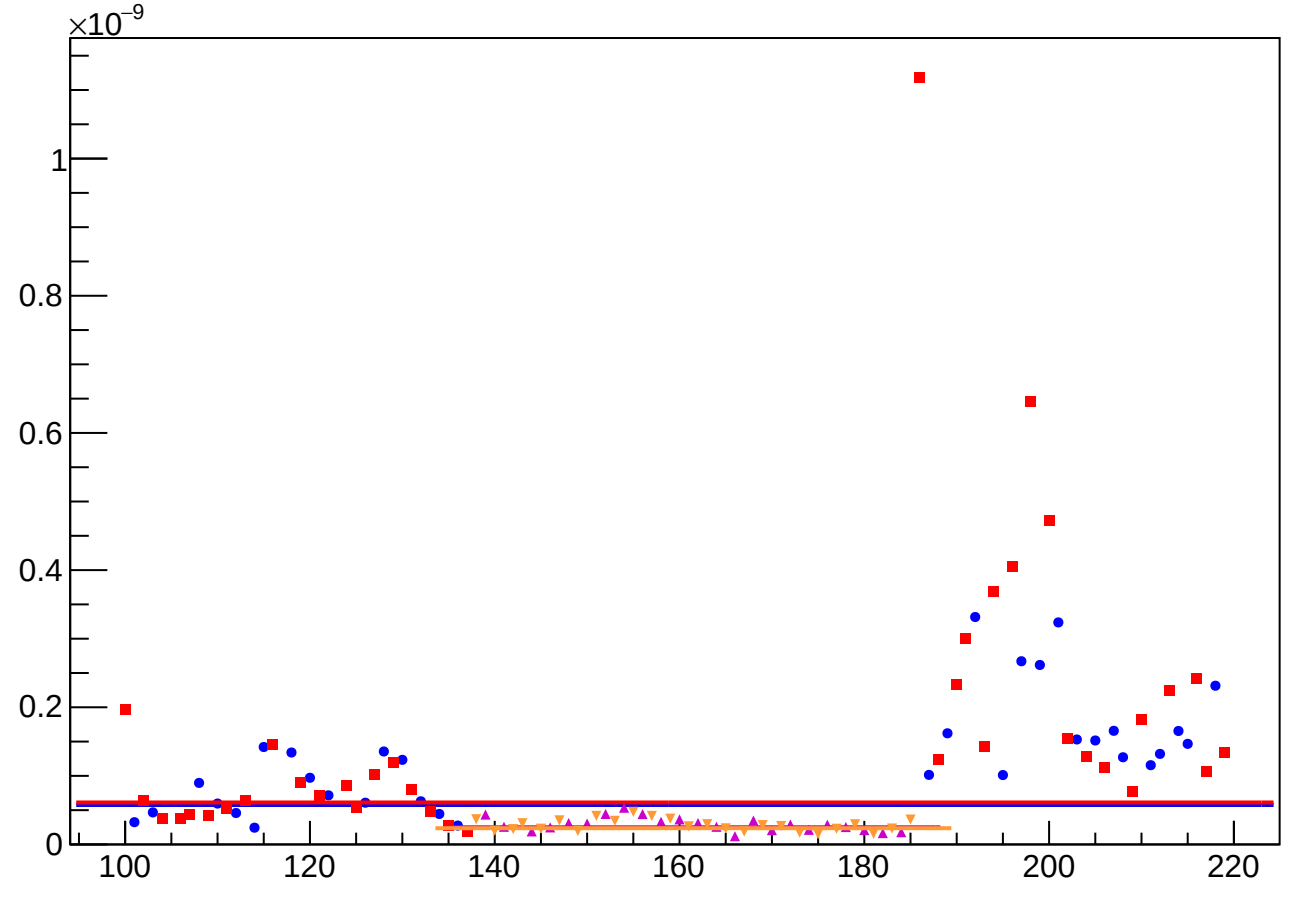
Right: 1666.274+/-0.199 χ^2/NDF: 12512652.5/68

In: 1278.073+/-0.155 χ^2/NDF:8928137.3/54

Out: 1263.454+/-0.150 χ^2/NDF:10826347.2/61

All: 1270.530+/-0.108 χ^2/NDF: 19759052.3/1


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: 55.4/31
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 26.2/36
Left In: 0.000+/-0.000 χ²/NDF:27.1/22
Left: -0.000+/-0.000 χ²/NDF: 58.8/47
Right: -0.000+/-0.000 χ²/NDF: 81.8/68
In: 0.000+/-0.000 χ²/NDF:82.7/54
Out: -0.000+/-0.000 χ²/NDF:52.8/61
All: -0.000+/-0.000 χ²/NDF: 140.6/116



Right In: 0.000+/-0.000 χ^2/NDF: 7156356.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7288118.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

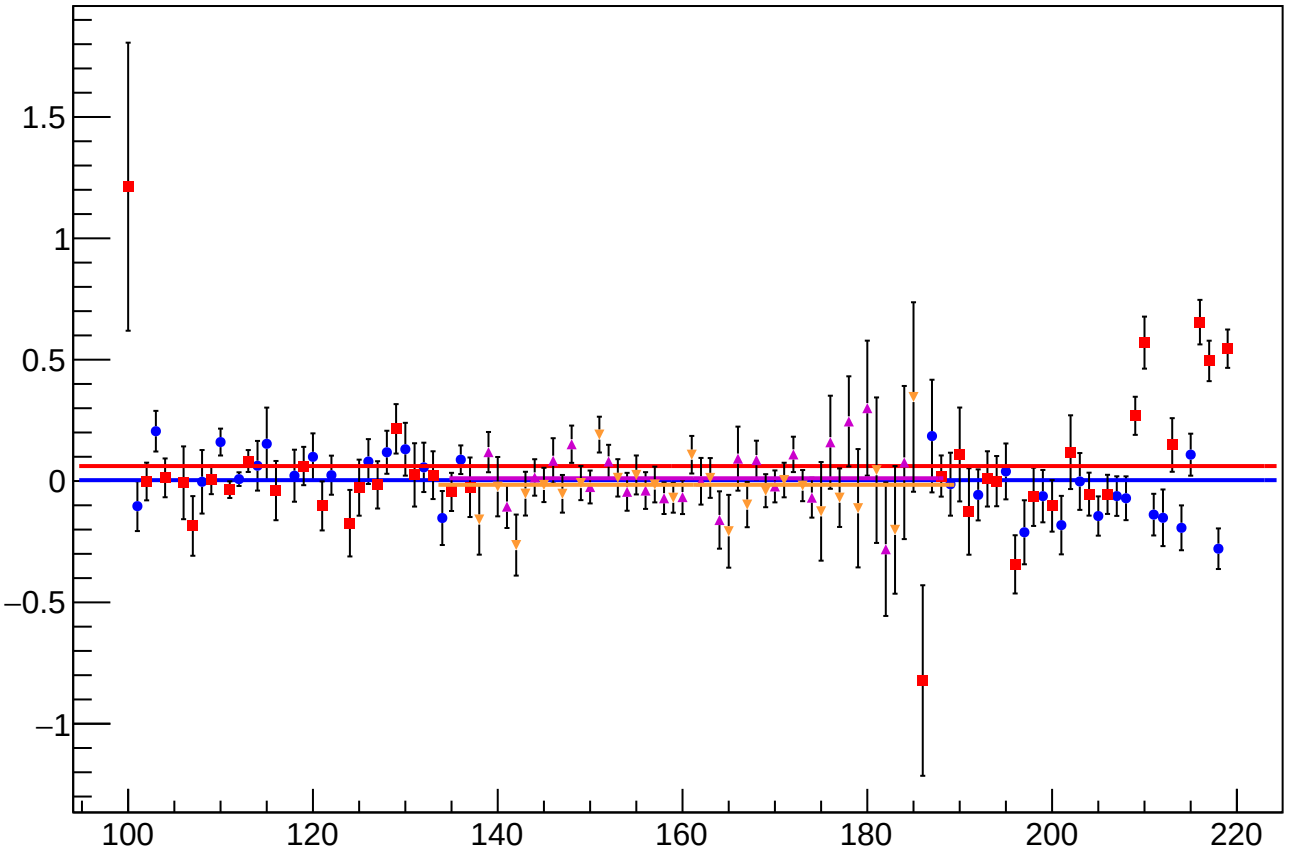
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 14465151.5/68

In: 0.000+/-0.000 χ^2/NDF:11618331.0/54

Out: 0.000+/-0.000 χ^2/NDF:12355527.0/61

All: 0.000+/-0.000 χ^2/NDF: 24017322.4/116



Right In: 0.004+/-0.015 χ^2/NDF: 58.4/31

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.062+/-0.014 χ^2/NDF: 192.8/36

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

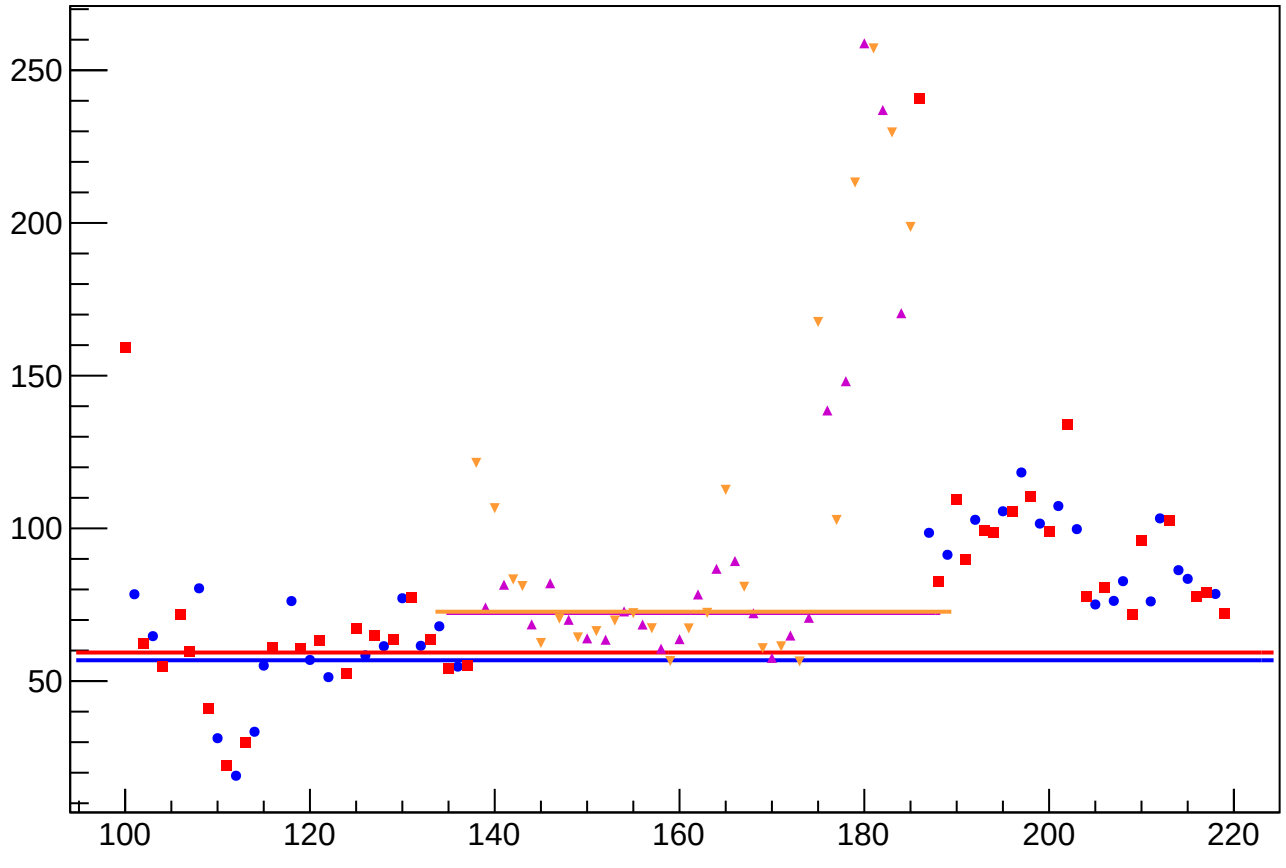
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.033+/-0.010 χ^2/NDF: 259.2/68

In: 0.007+/-0.011 χ^2/NDF:81.8/54

Out: 0.031+/-0.011 χ^2/NDF:225.6/61

All: 0.019+/-0.008 χ^2/NDF: 309.9/116



Right In: 56.816+/-0.010 χ^2/NDF: 8158905.2/31

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 59.350+/-0.010 χ^2/NDF: 7331795.6/36

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

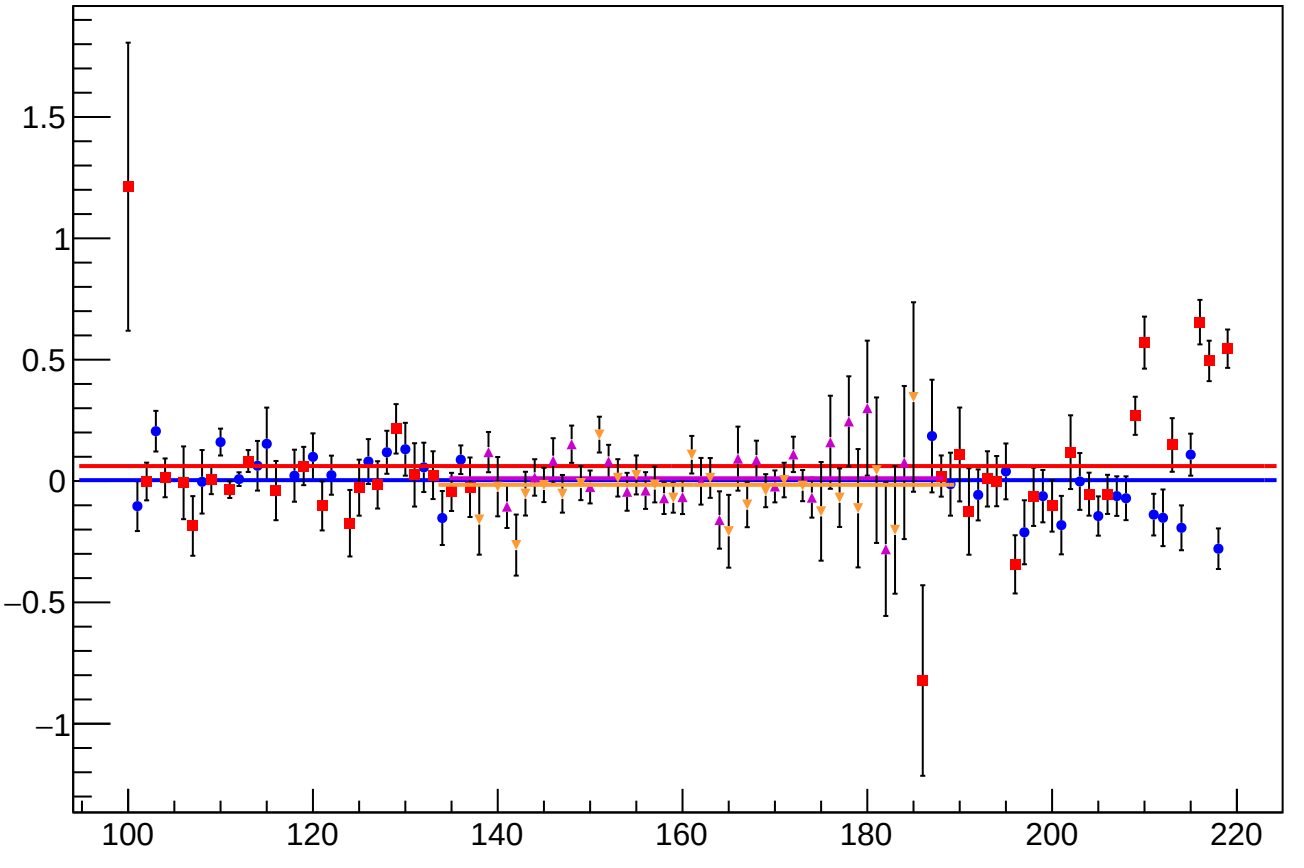
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 58.092+/-0.007 χ^2/NDF: 15521259.1/68

In: 62.830+/-0.008 χ^2/NDF:11828811.1/54

Out: 64.599+/-0.008 χ^2/NDF:11965401.5/61

All: 63.724+/-0.006 χ^2/NDF: 23818650.1/116



Right In: 0.004+/-0.015 χ^2/NDF: 58.4/31

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.062+/-0.014 χ^2/NDF: 192.8/36

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

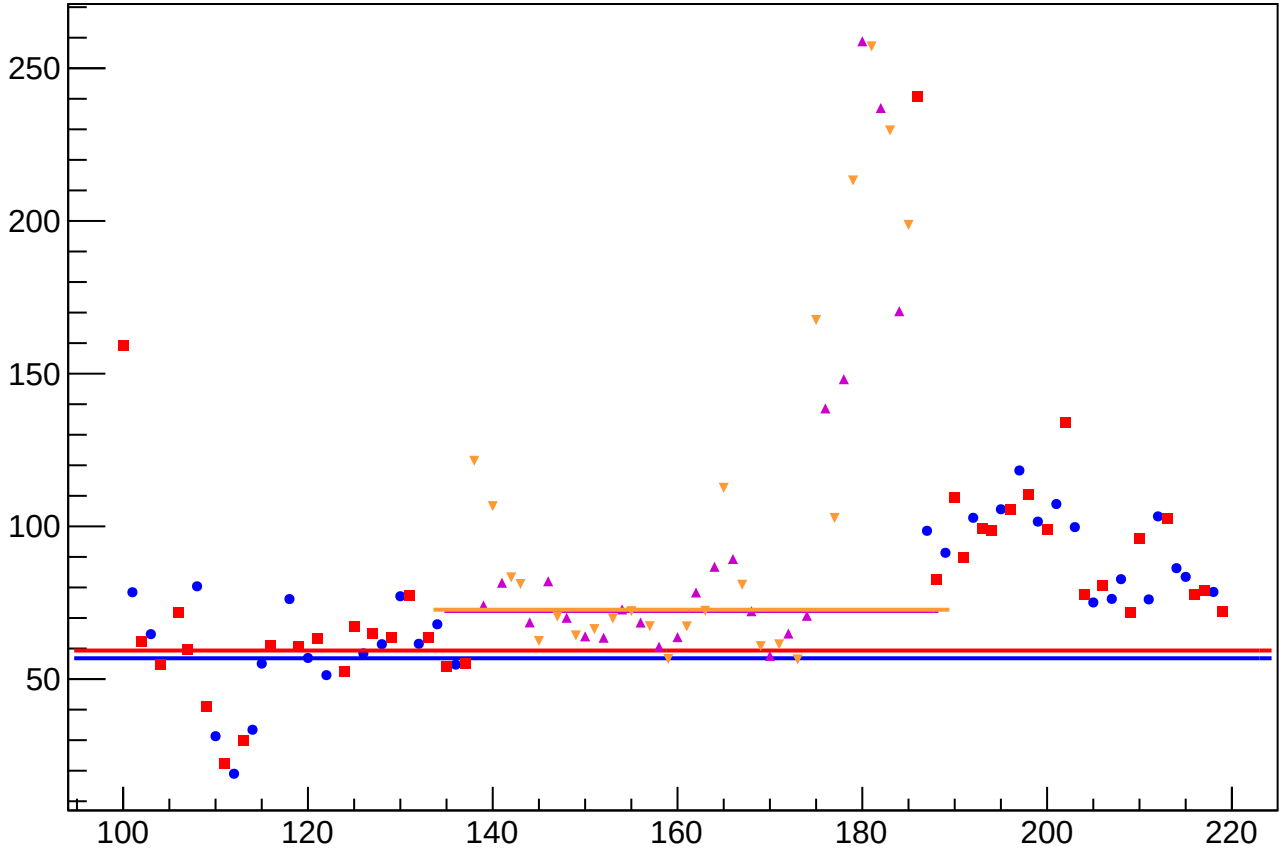
Right: 0.033+/-0.010 χ^2/NDF: 259.2/68

In: 0.007+/-0.011 χ^2/NDF:81.8/54

Out: 0.031+/-0.011 χ^2/NDF:225.6/61

All: 0.019+/-0.008 χ^2/NDF: 309.9/116

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.816+/-0.010 χ^2/NDF: 8158905.2/31

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 59.350+/-0.010 χ^2/NDF: 7331795.6/36

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

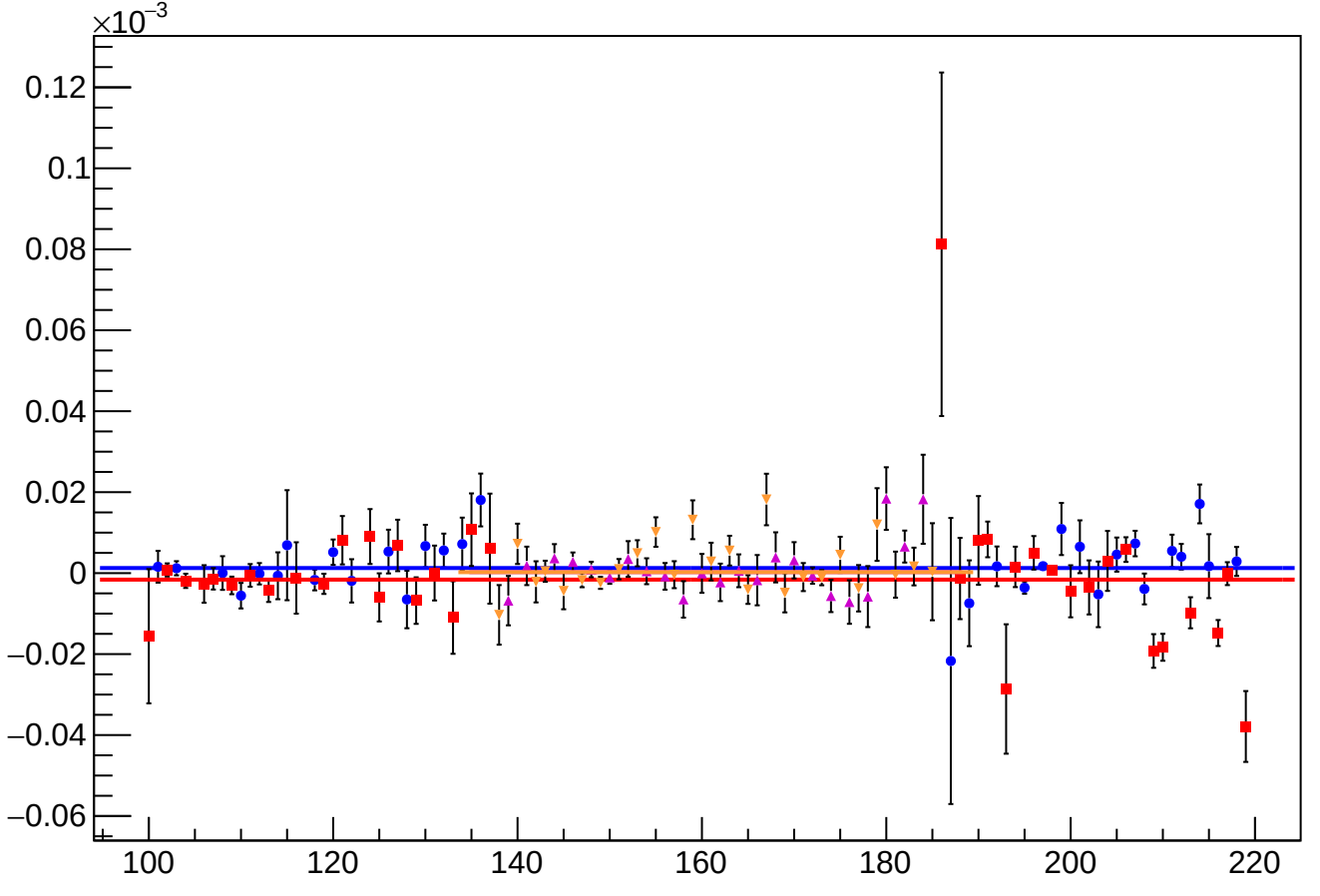
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 58.092+/-0.007 χ^2/NDF: 15521259.1/68

In: 62.830+/-0.008 χ^2/NDF:11828811.1/54

Out: 64.599+/-0.008 χ^2/NDF:11965401.5/61

All: 63.724+/-0.006 χ^2/NDF: 23818650.1/116



Right In: 0.000+/-0.000 χ^2/NDF: 54.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 125.4/36

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

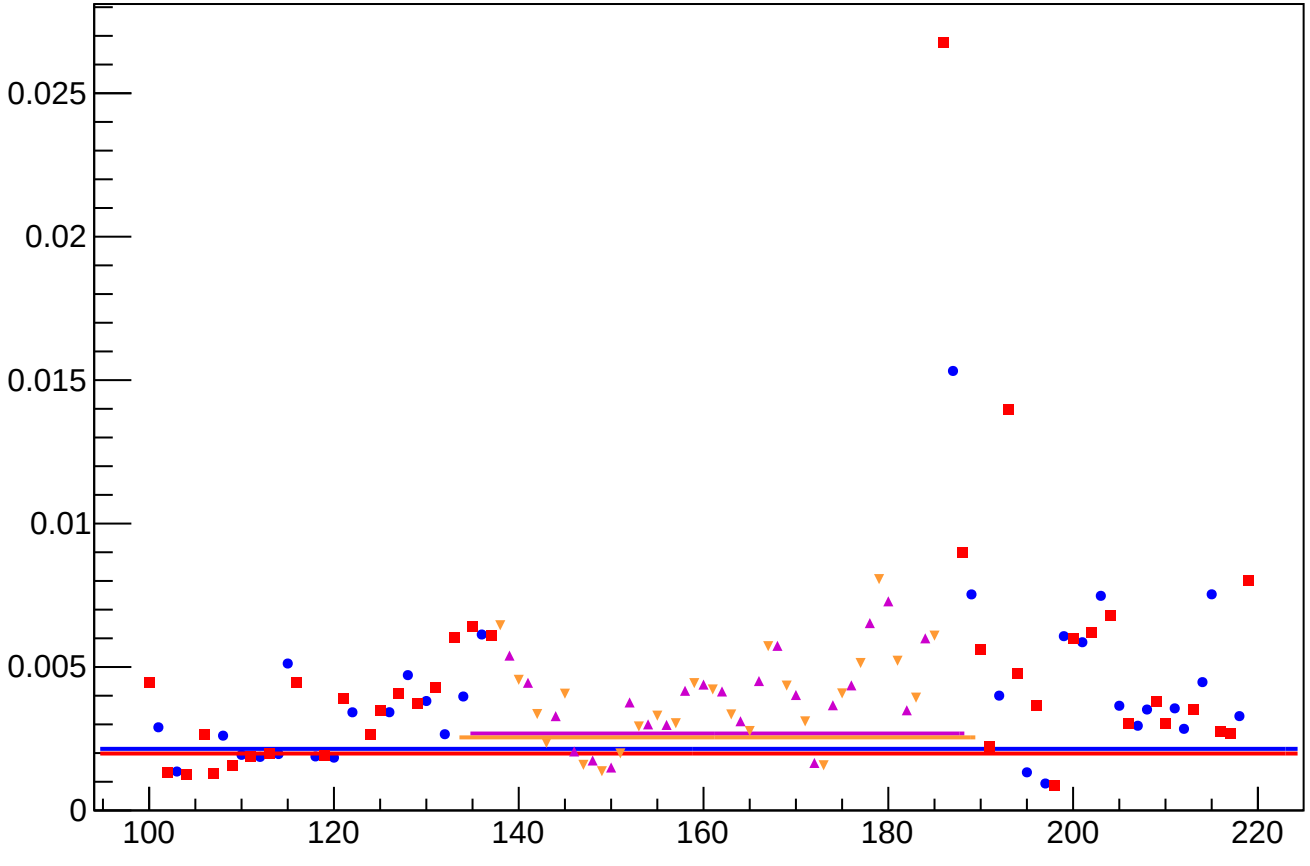
Right: -0.000+/-0.000 χ^2/NDF: 192.6/68

In: 0.000+/-0.000 χ^2/NDF:79.4/54

Out: -0.000+/-0.000 χ^2/NDF:173.5/61

All: -0.000+/-0.000 χ^2/NDF: 260.8/116

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 10742423.8/31

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 14339868.5/36

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

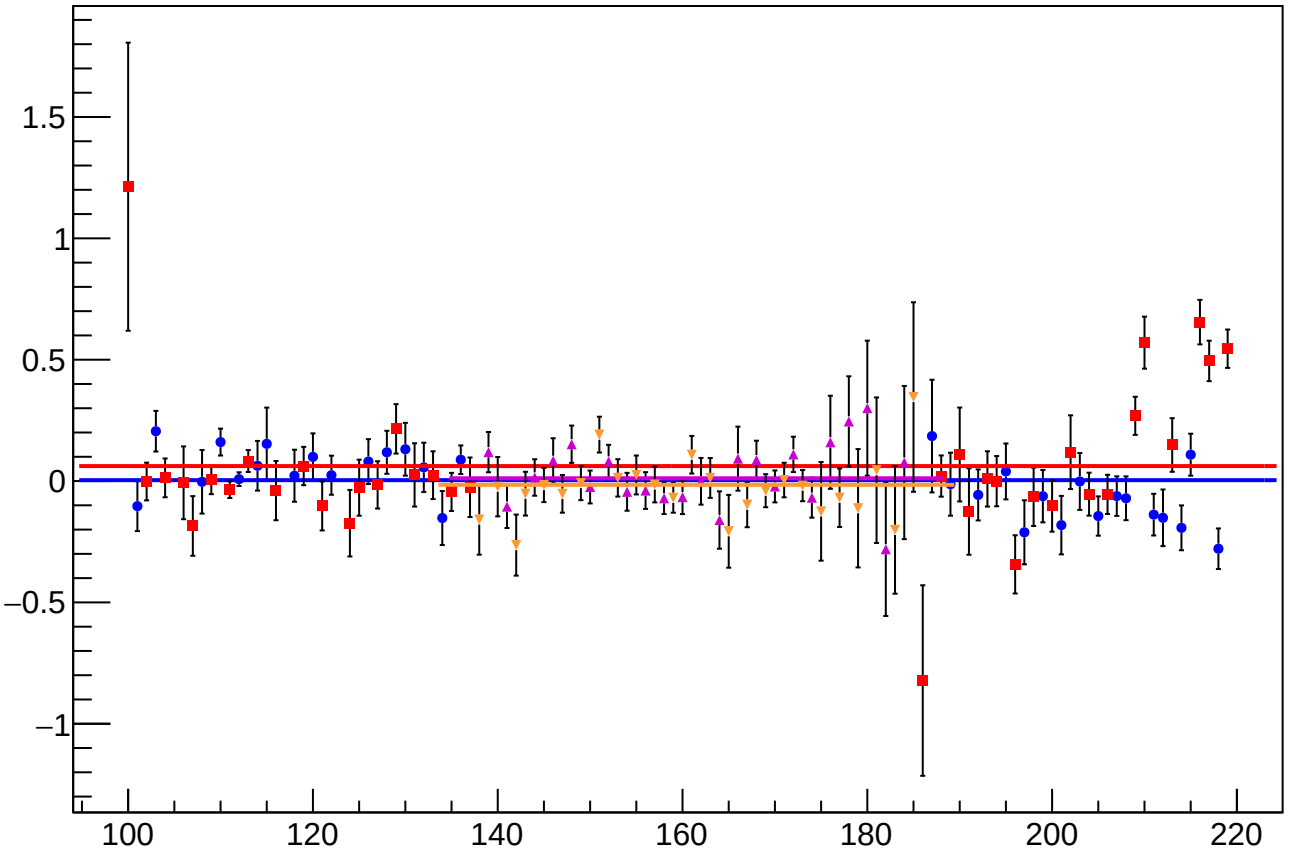
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 25166916.7/68

In: 0.002+/-0.000 χ^2/NDF:17926801.6/54

Out: 0.002+/-0.000 χ^2/NDF:22725516.1/61

All: 0.002+/-0.000 χ^2/NDF: 40777120.8/116



Right In: 0.004+/-0.015 χ^2/NDF: 58.4/31

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.062+/-0.014 χ^2/NDF: 192.8/36

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

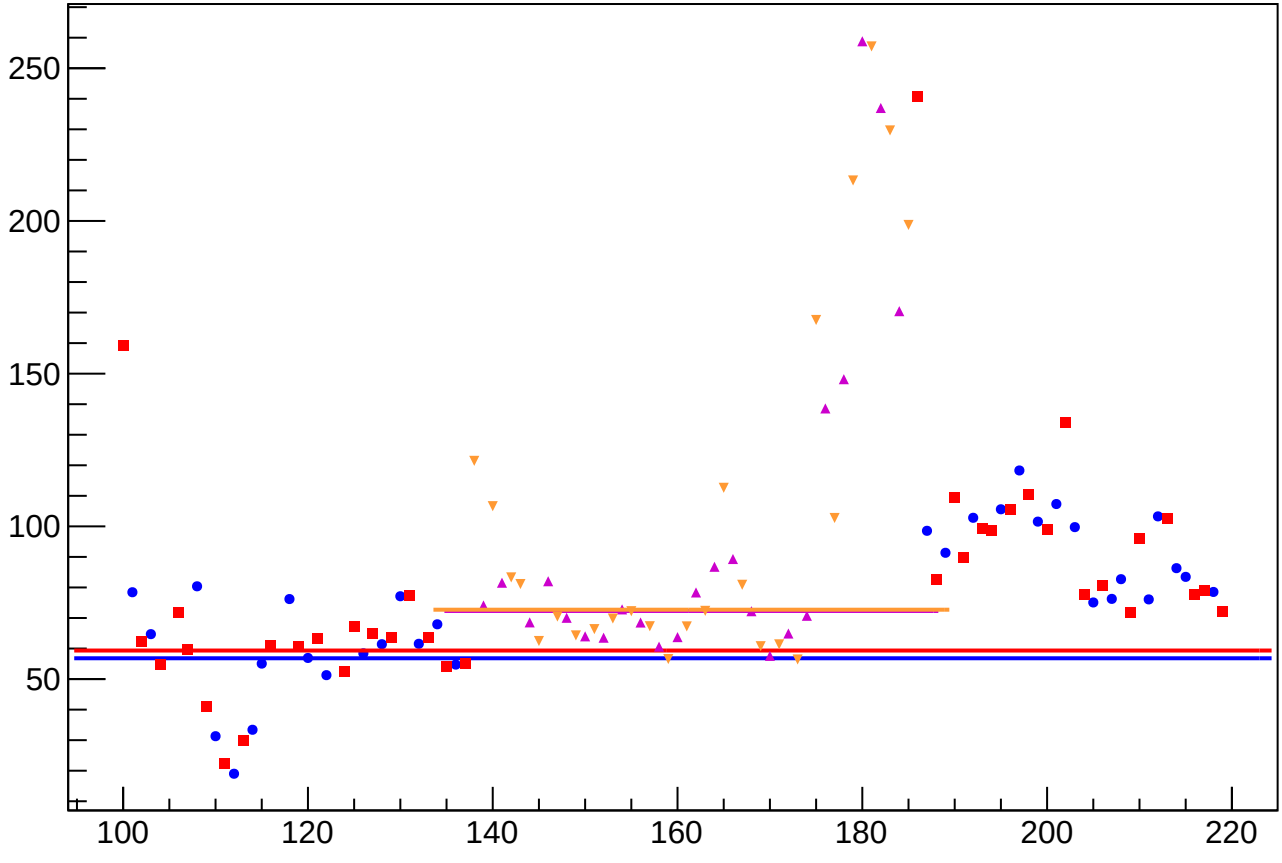
Right: 0.033+/-0.010 χ^2/NDF: 259.2/68

In: 0.007+/-0.011 χ^2/NDF:81.8/54

Out: 0.031+/-0.011 χ^2/NDF:225.6/61

All: 0.019+/-0.008 χ^2/NDF: 309.9/116

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.815+/-0.010 χ^2/NDF: 8159200.3/31

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 59.349+/-0.010 χ^2/NDF: 7332133.3/36

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

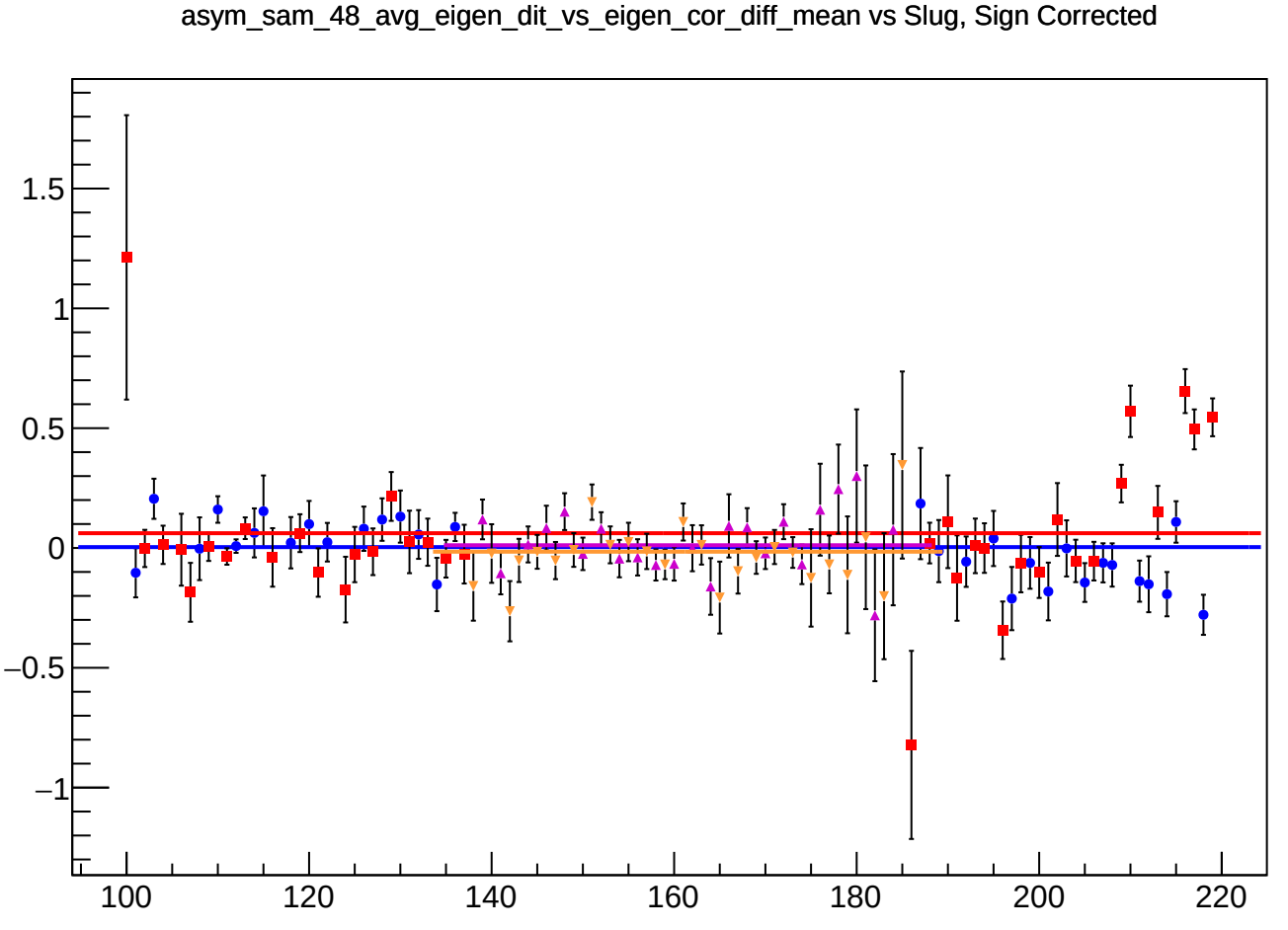
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 58.091+/-0.007 χ^2/NDF: 15521893.9/68

In: 62.830+/-0.008 χ^2/NDF:11829215.5/54

Out: 64.599+/-0.008 χ^2/NDF:11965832.9/61

All: 63.724+/-0.006 χ^2/NDF: 23819488.2/116



Right In: 0.004+/-0.015 χ^2/NDF: 58.4/31

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.062+/-0.014 χ^2/NDF: 192.8/36

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

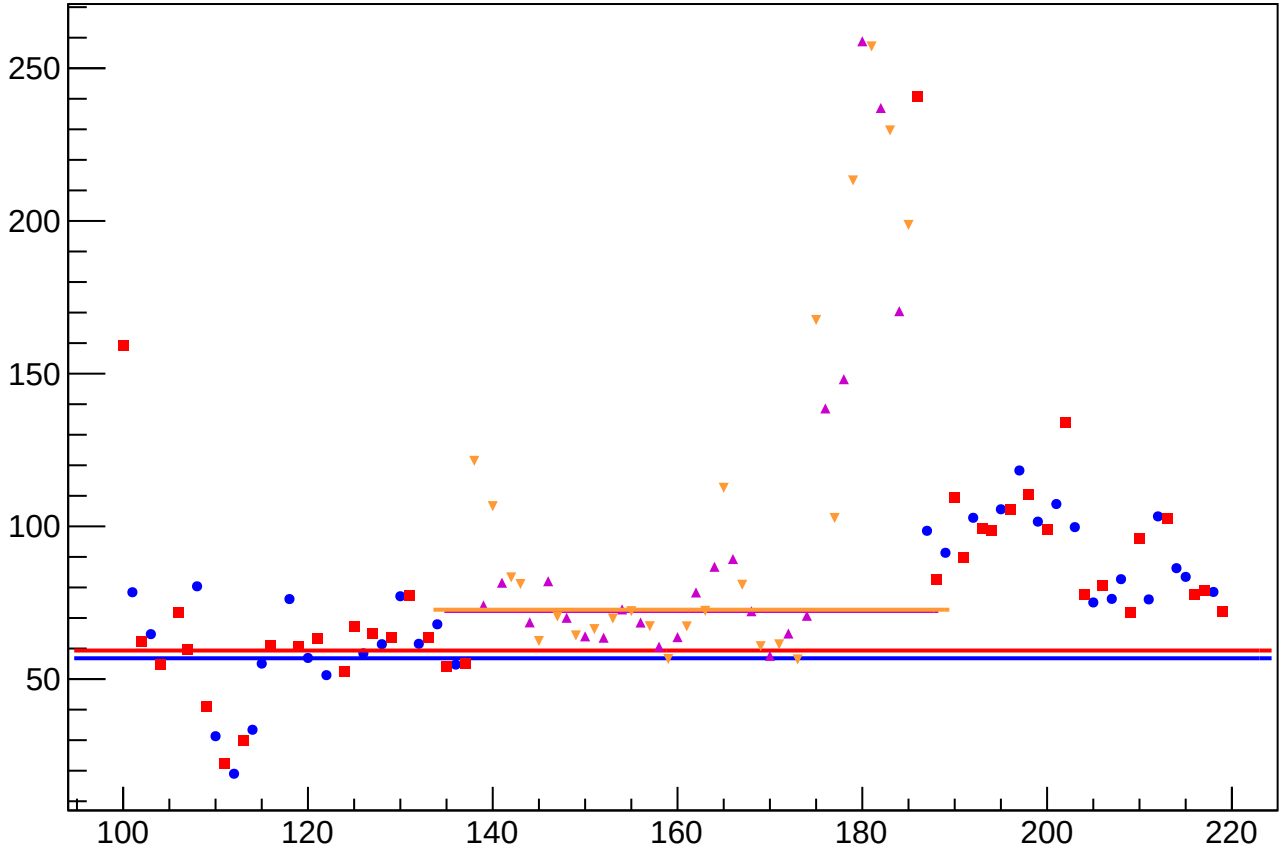
Right: 0.033+/-0.010 χ^2/NDF: 259.2/68

In: 0.007+/-0.011 χ^2/NDF:81.8/54

Out: 0.031+/-0.011 χ^2/NDF:225.6/61

All: 0.019+/-0.008 χ^2/NDF: 309.9/116

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.815+/-0.010 χ^2/NDF: 8159200.3/31

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 59.349+/-0.010 χ^2/NDF: 7332133.3/36

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

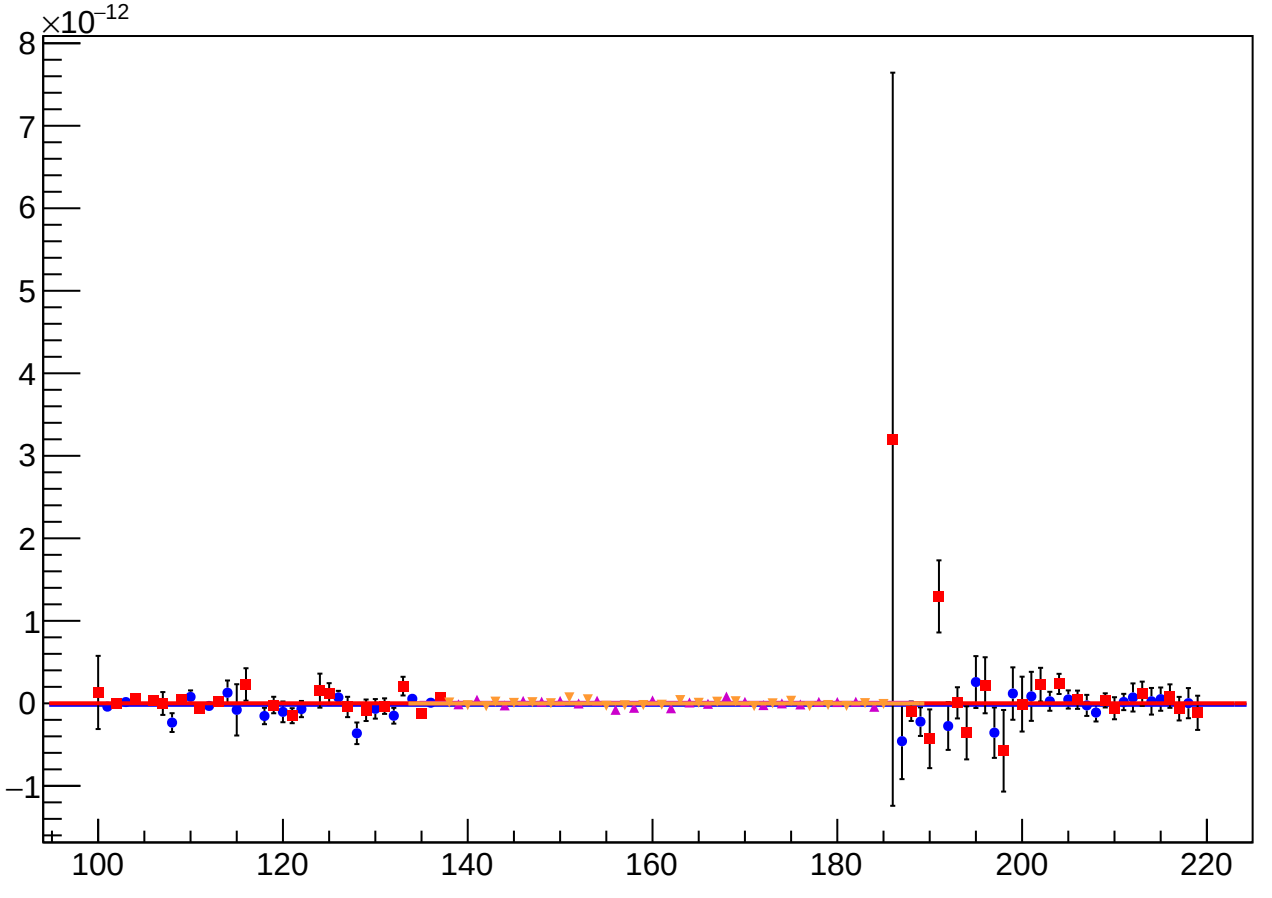
Right: 58.091+/-0.007 χ^2/NDF: 15521893.9/68

In: 62.830+/-0.008 χ^2/NDF:11829215.5/54

Out: 64.599+/-0.008 χ^2/NDF:11965832.9/61

All: 63.724+/-0.006 χ^2/NDF: 23819488.2/116

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/31

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 44.8/36

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

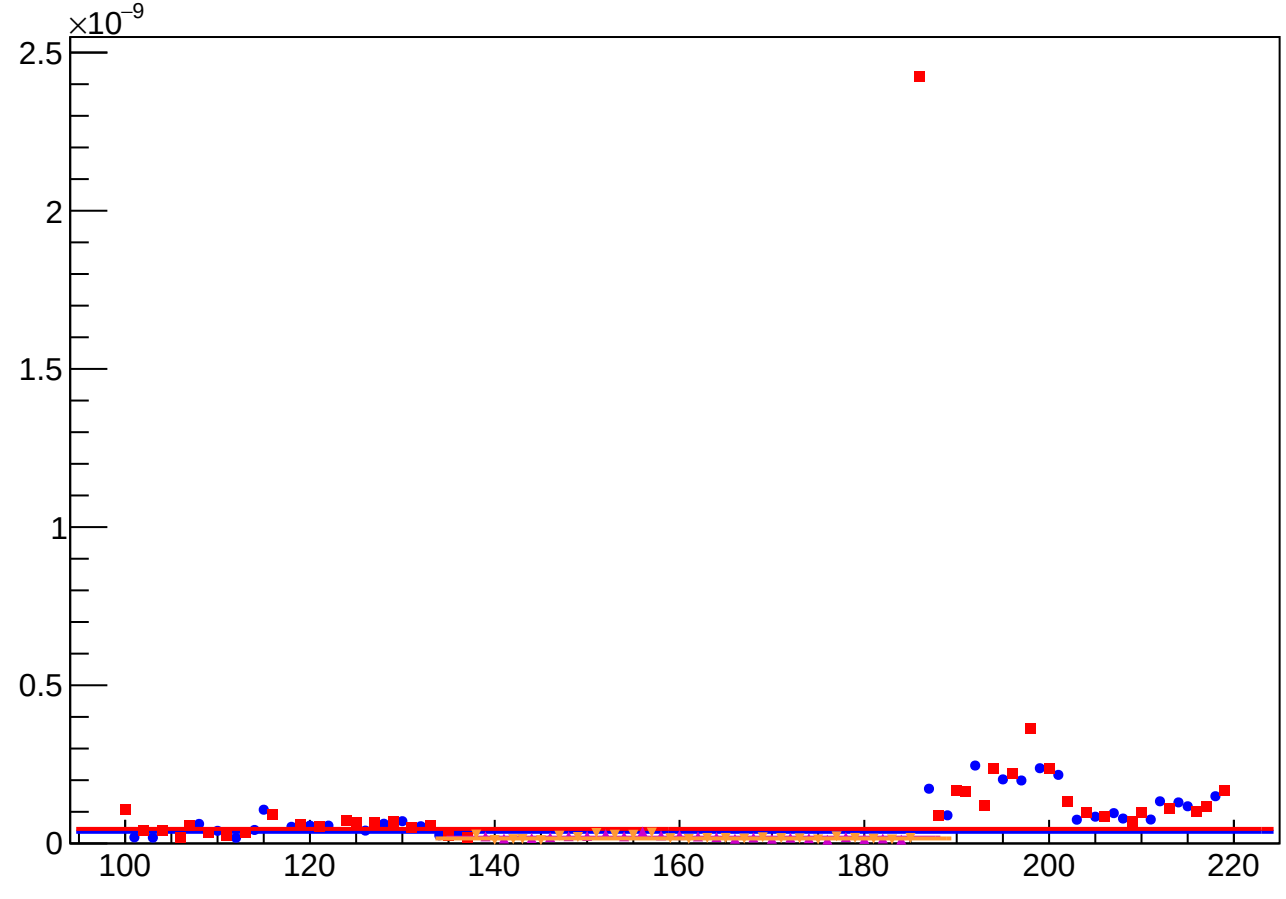
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 76.0/68

In: 0.000+/-0.000 χ^2/NDF:71.4/54

Out: -0.000+/-0.000 χ^2/NDF:72.7/61

All: 0.000+/-0.000 χ^2/NDF: 144.4/116



Right In: 0.000+/-0.000 χ^2/NDF: 11043492.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10103801.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

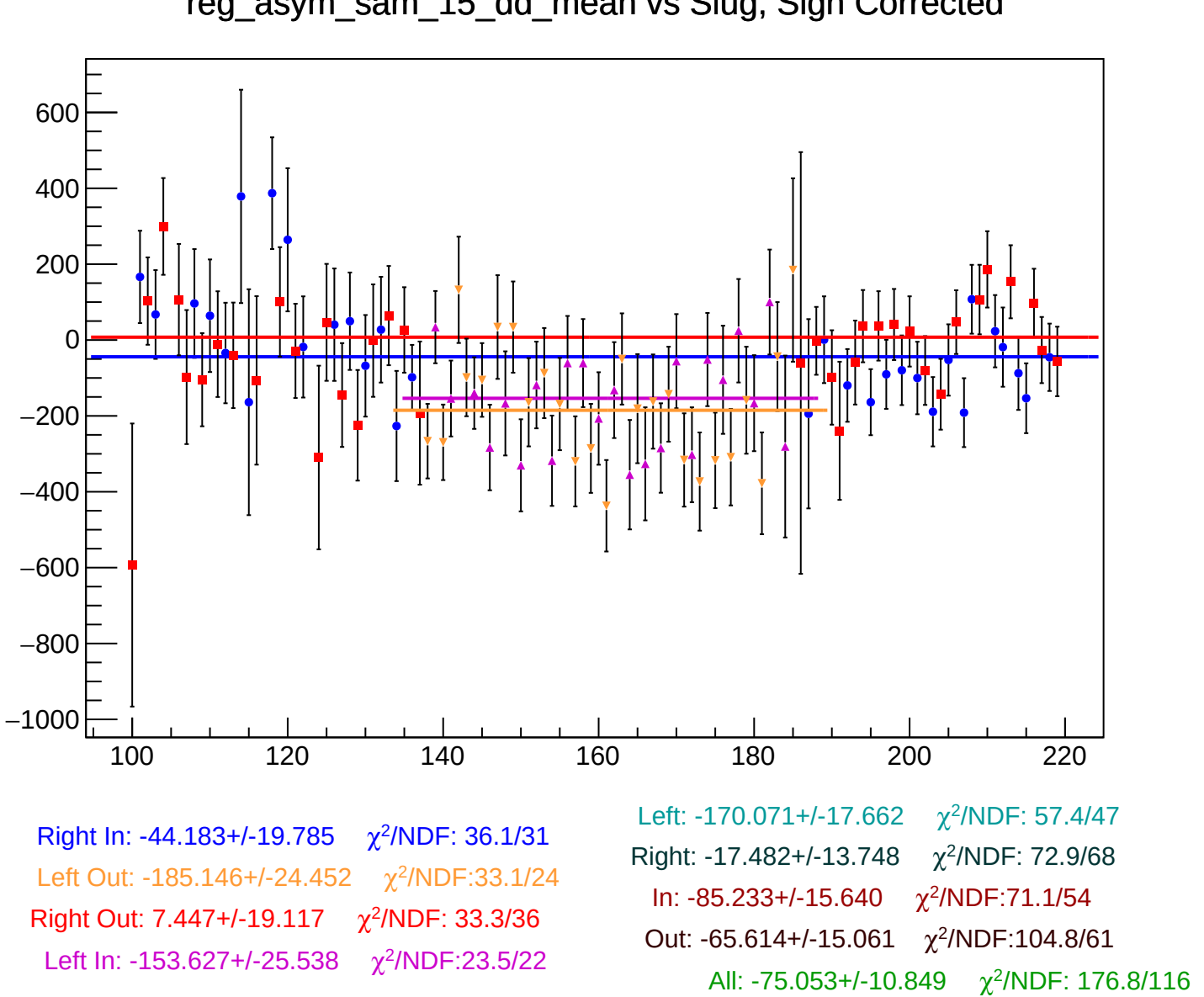
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 21552559.7/68

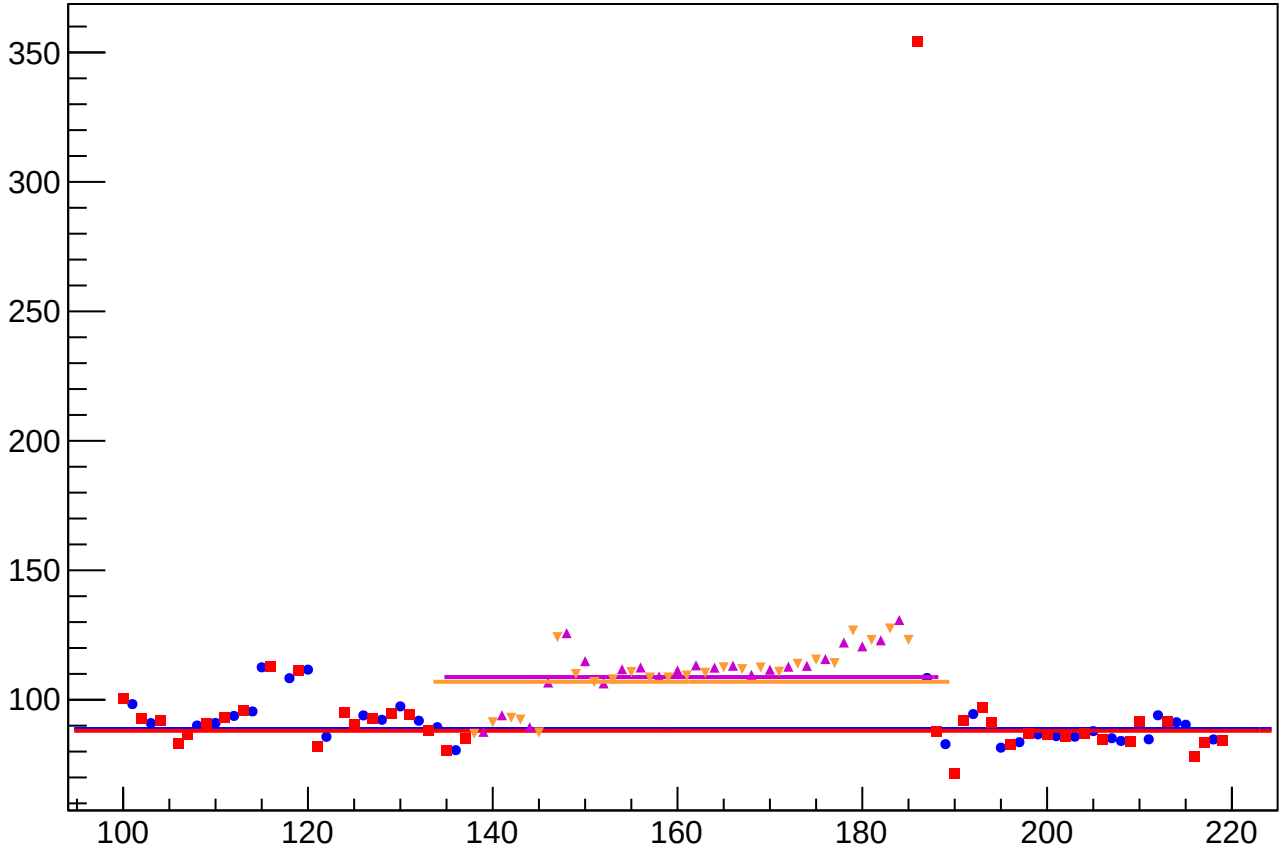
In: 0.000+/-0.000 χ^2/NDF:15968787.0/54

Out: 0.000+/-0.000 χ^2/NDF:19551722.3/61

All: 0.000+/-0.000 χ^2/NDF: 35751515.6/116


reg_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
220
Right In: -44.183+/-19.785 χ²/NDF: 36.1/31
Left Out: -185.146+/-24.452 χ²/NDF:33.1/24
Right Out: 7.447+/-19.117 χ²/NDF: 33.3/36
Left In: -153.627+/-25.538 χ²/NDF:23.5/22
Left: -170.071+/-17.662 χ²/NDF: 57.4/47
Right: -17.482+/-13.748 χ²/NDF: 72.9/68
In: -85.233+/-15.640 χ²/NDF:71.1/54
Out: -65.614+/-15.061 χ²/NDF:104.8/61
All: -75.053+/-10.849 χ²/NDF: 176.8/116

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.707+/-0.014 χ^2/NDF: 201784.1/31

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 88.032+/-0.014 χ^2/NDF: 690796.6/36

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

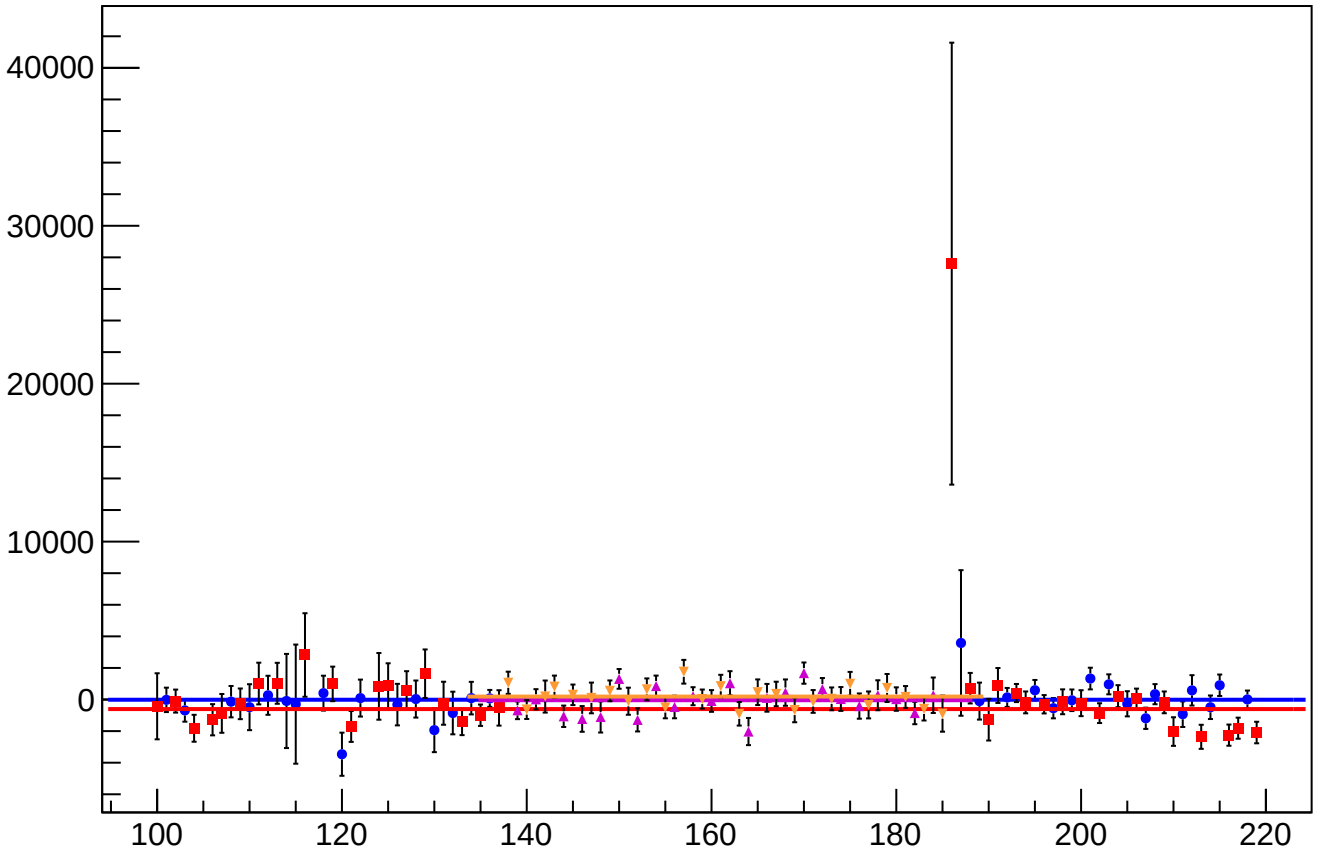
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 88.358+/-0.010 χ^2/NDF: 893784.4/68

In: 96.236+/-0.011 χ^2/NDF:1332432.1/54

Out: 95.210+/-0.011 χ^2/NDF:1898373.7/61

All: 95.704+/-0.008 χ^2/NDF: 3235271.2/116



Right In: -13.157+/-147.559 χ^2/NDF: 25.7/31

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -604.065+/-143.734 χ^2/NDF: 54.3/36

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

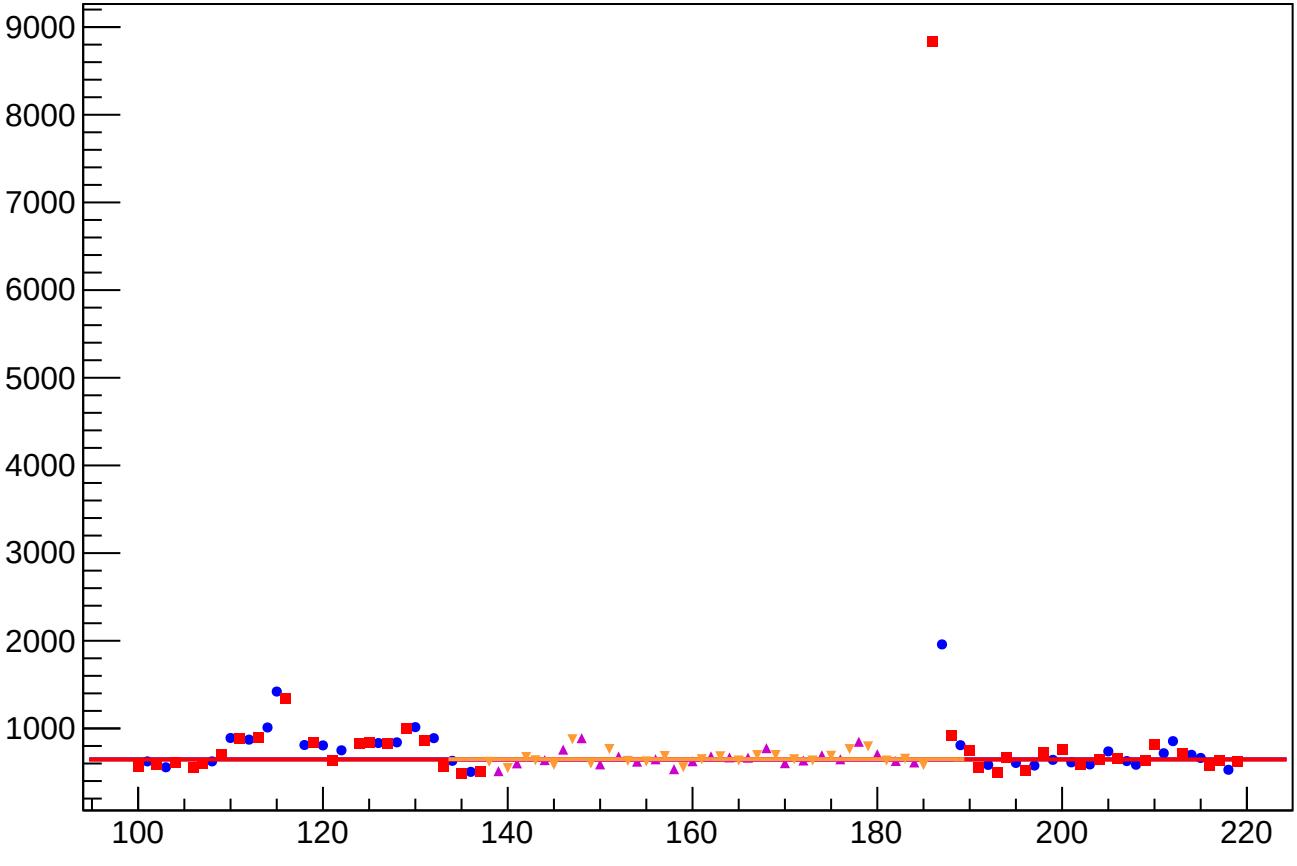
Right: -316.368+/-102.961 χ^2/NDF: 88.3/68

In: -27.751+/-105.895 χ^2/NDF:59.5/54

Out: -222.542+/-103.386 χ^2/NDF:88.0/61

All: -127.481+/-73.976 χ^2/NDF: 149.2/116

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 647.502+/-0.104 χ^2/NDF: 1329209.2/31

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 645.766+/-0.102 χ^2/NDF: 2082612.6/36

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

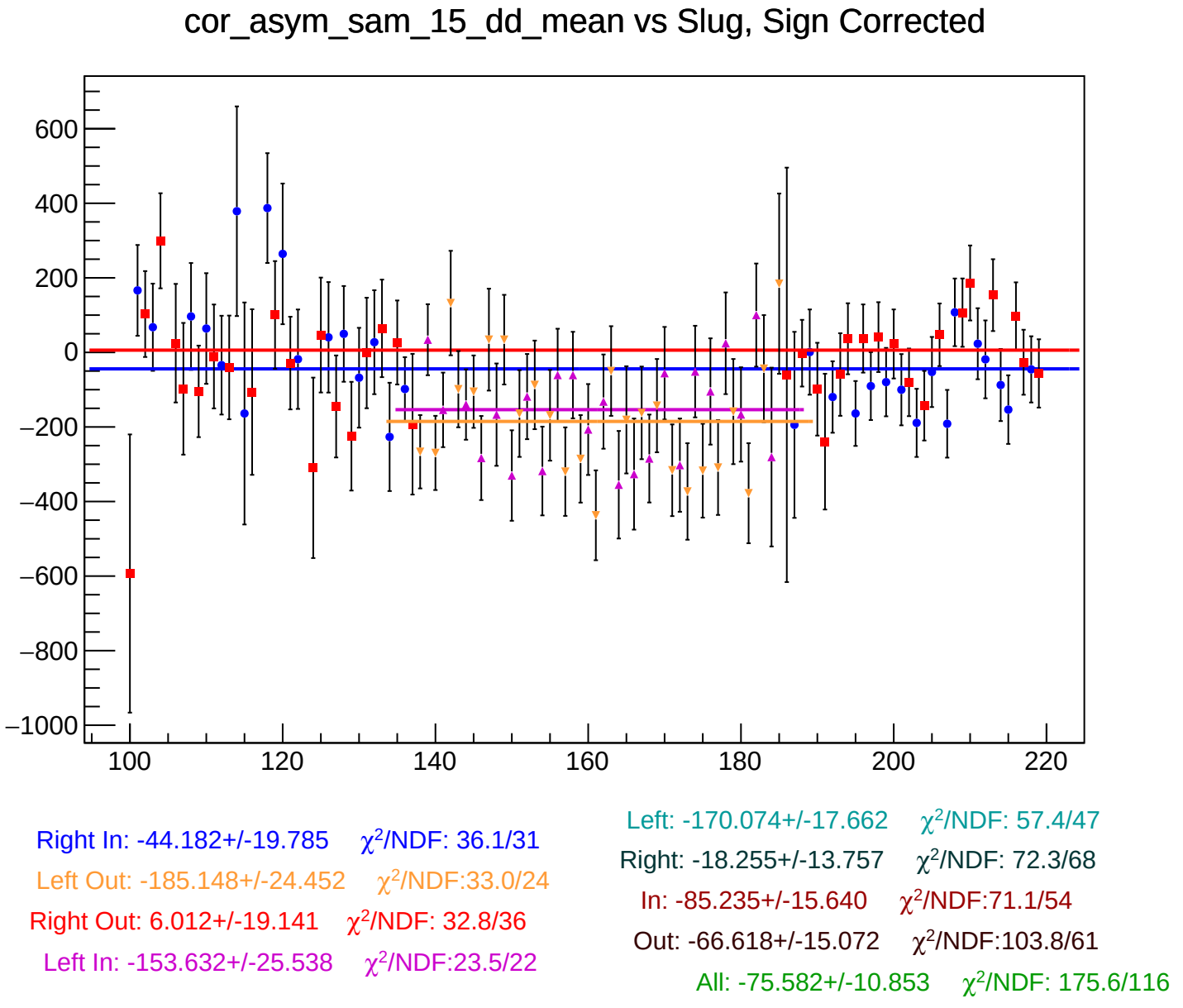
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 646.612+/-0.073 χ^2/NDF: 3411963.8/68

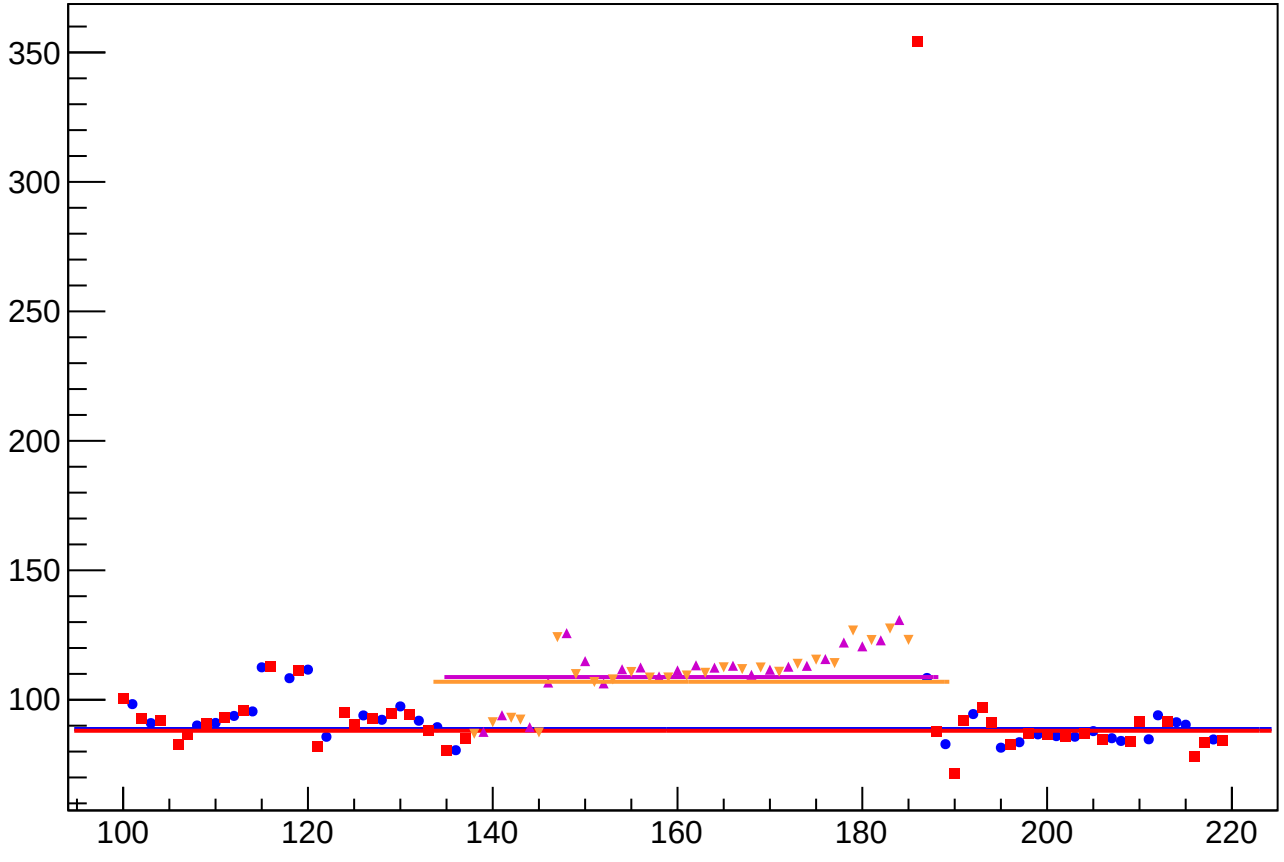
In: 645.839+/-0.075 χ^2/NDF:1888853.2/54

Out: 647.418+/-0.073 χ^2/NDF:2501524.6/61

All: 646.647+/-0.052 χ^2/NDF: 4390605.6/116


cor_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
220
Right In: -44.182+/-19.785 χ²/NDF: 36.1/31
Left Out: -185.148+/-24.452 χ²/NDF:33.0/24
Right Out: 6.012+/-19.141 χ²/NDF: 32.8/36
Left In: -153.632+/-25.538 χ²/NDF:23.5/22
Left: -170.074+/-17.662 χ²/NDF: 57.4/47
Right: -18.255+/-13.757 χ²/NDF: 72.3/68
In: -85.235+/-15.640 χ²/NDF:71.1/54
Out: -66.618+/-15.072 χ²/NDF:103.8/61
All: -75.582+/-10.853 χ²/NDF: 175.6/116

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.707+/-0.014 χ^2/NDF: 201784.2/31

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 88.036+/-0.014 χ^2/NDF: 690919.2/36

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

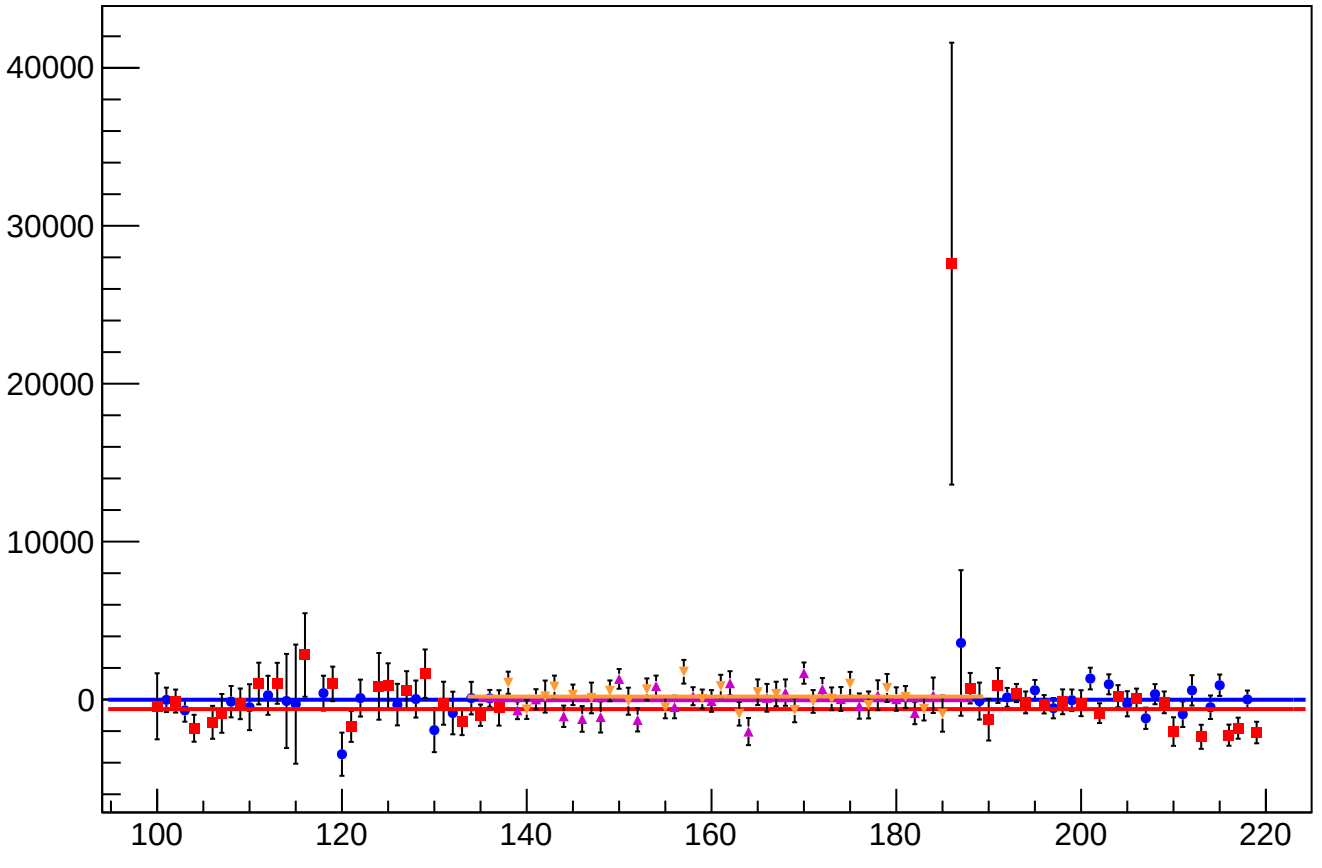
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.360+/-0.010 χ^2/NDF: 893890.3/68

In: 96.236+/-0.011 χ^2/NDF:1332432.2/54

Out: 95.224+/-0.011 χ^2/NDF:1897452.7/61

All: 95.711+/-0.008 χ^2/NDF: 3234227.4/116



Right In: -13.161+/-147.559 χ^2/NDF: 25.7/31

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -605.642+/-143.893 χ^2/NDF: 54.5/36

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

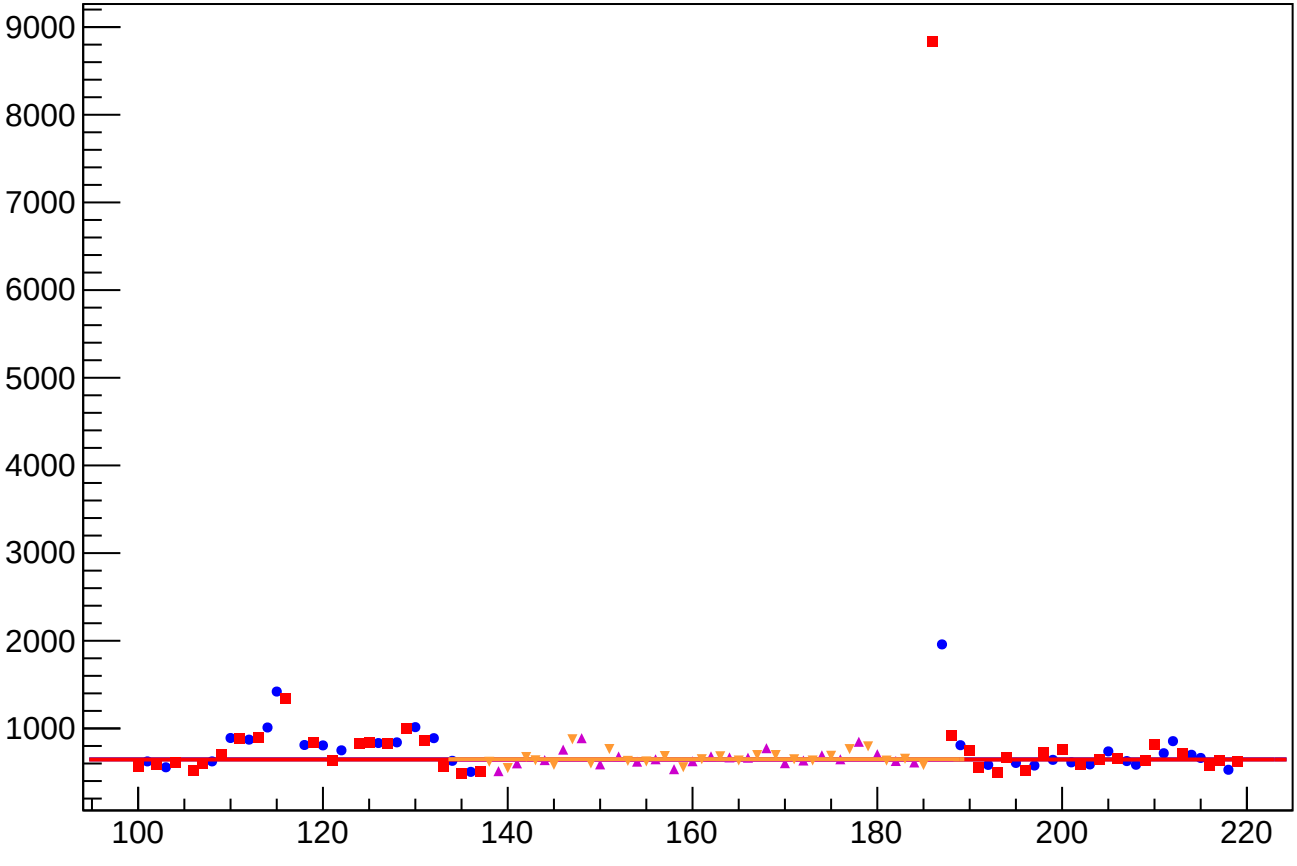
Right: -316.852+/-103.019 χ^2/NDF: 88.5/68

In: -27.754+/-105.895 χ^2/NDF:59.5/54

Out: -222.924+/-103.445 χ^2/NDF:88.2/61

All: -127.622+/-73.998 χ^2/NDF: 149.4/116

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 647.502+/-0.104 χ^2/NDF: 1329208.7/31

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 645.447+/-0.102 χ^2/NDF: 2091859.0/36

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

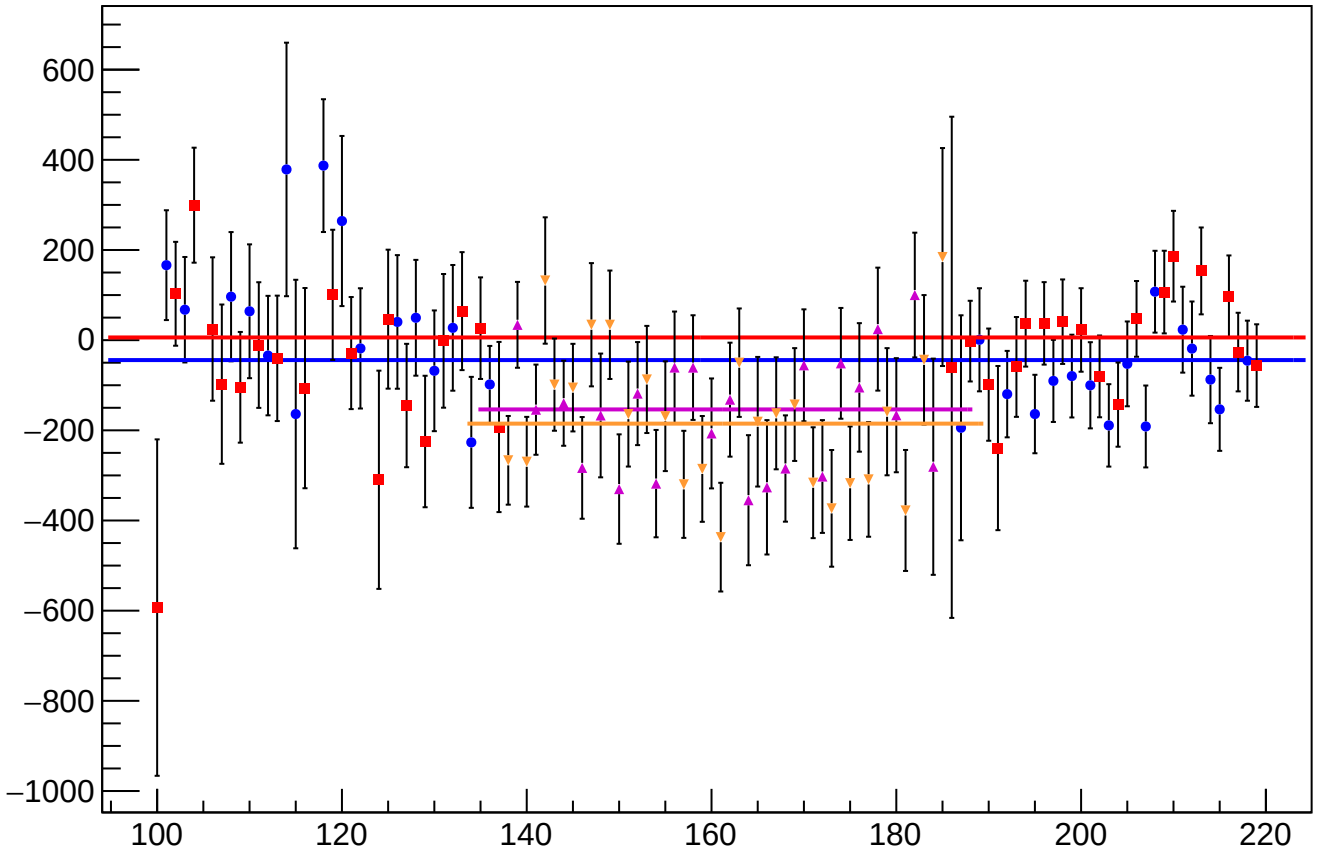
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 646.449+/-0.073 χ^2/NDF: 3421266.6/68

In: 645.839+/-0.075 χ^2/NDF:1888853.8/54

Out: 647.255+/-0.073 χ^2/NDF:2510878.0/61

All: 646.564+/-0.052 χ^2/NDF: 4399914.8/116



Right In: -44.182+/-19.785 χ^2/NDF: 36.1/31

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 6.012+/-19.141 χ^2/NDF: 32.8/36

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

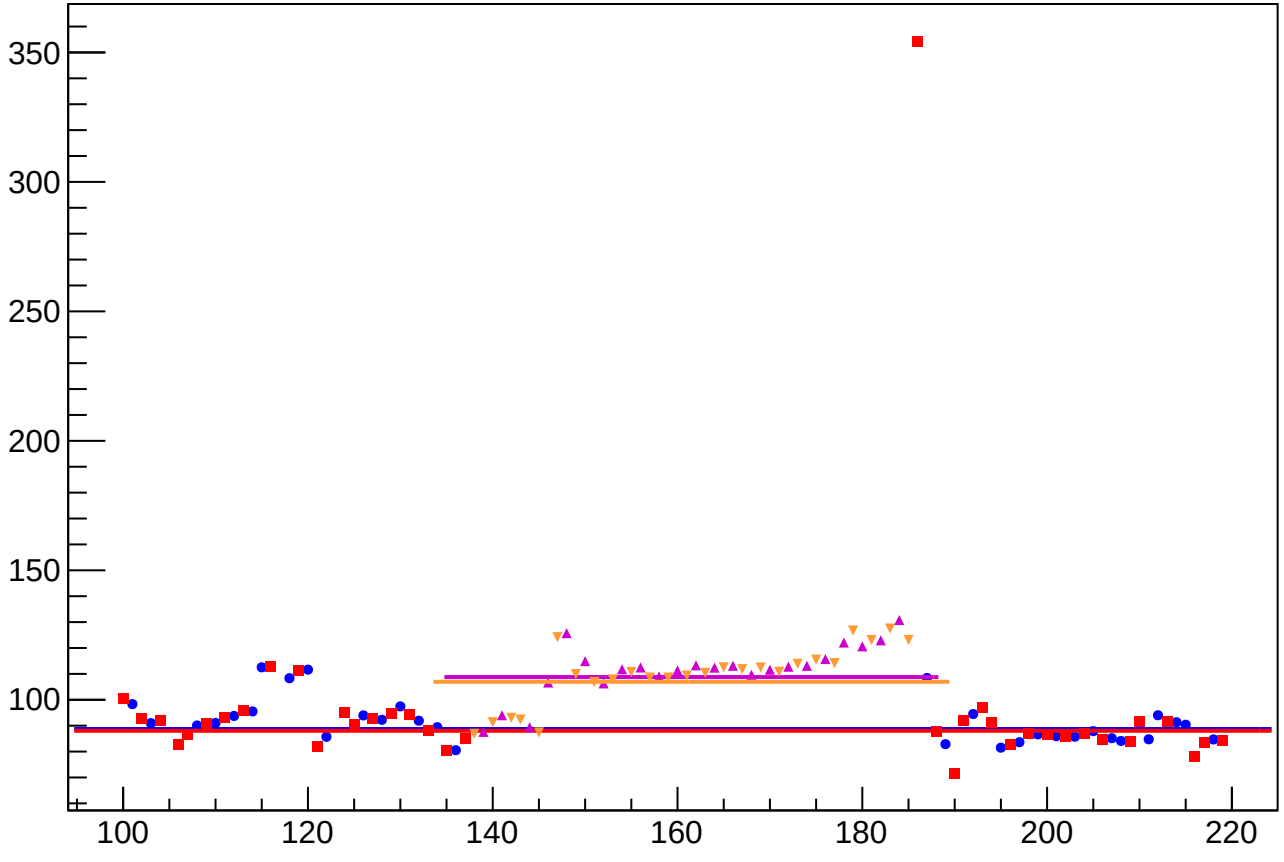
Right: -18.255+/-13.757 χ^2/NDF: 72.3/68

In: -85.235+/-15.640 χ^2/NDF:71.1/54

Out: -66.618+/-15.072 χ^2/NDF:103.8/61

All: -75.582+/-10.853 χ^2/NDF: 175.6/116

eigen_cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.707+/-0.014 χ^2/NDF: 201784.2/31

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 88.036+/-0.014 χ^2/NDF: 690919.2/36

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

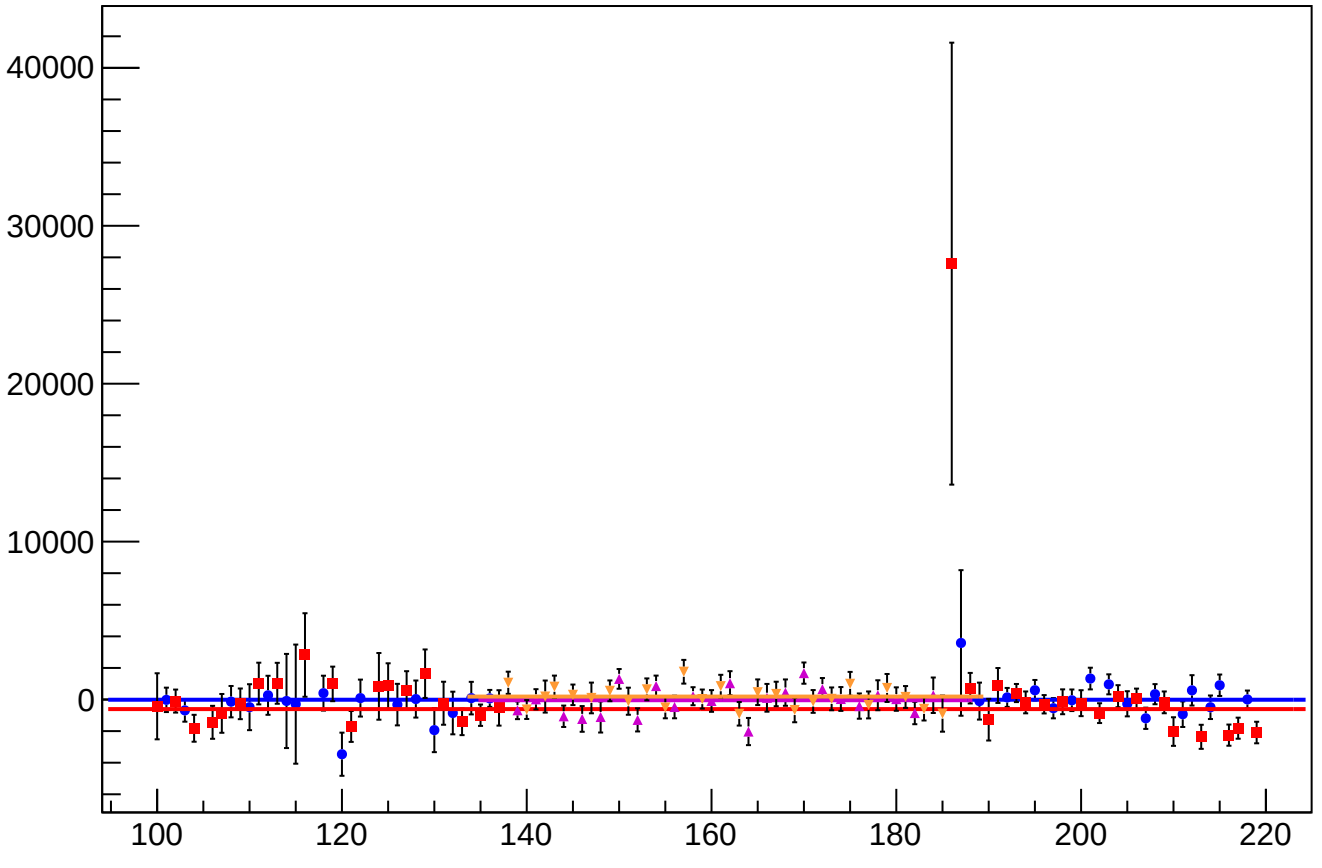
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.360+/-0.010 χ^2/NDF: 893890.3/68

In: 96.236+/-0.011 χ^2/NDF:1332432.2/54

Out: 95.224+/-0.011 χ^2/NDF:1897452.7/61

All: 95.711+/-0.008 χ^2/NDF: 3234227.4/116



Right In: -13.161+/-147.559 χ^2/NDF: 25.7/31

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -605.642+/-143.893 χ^2/NDF: 54.5/36

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

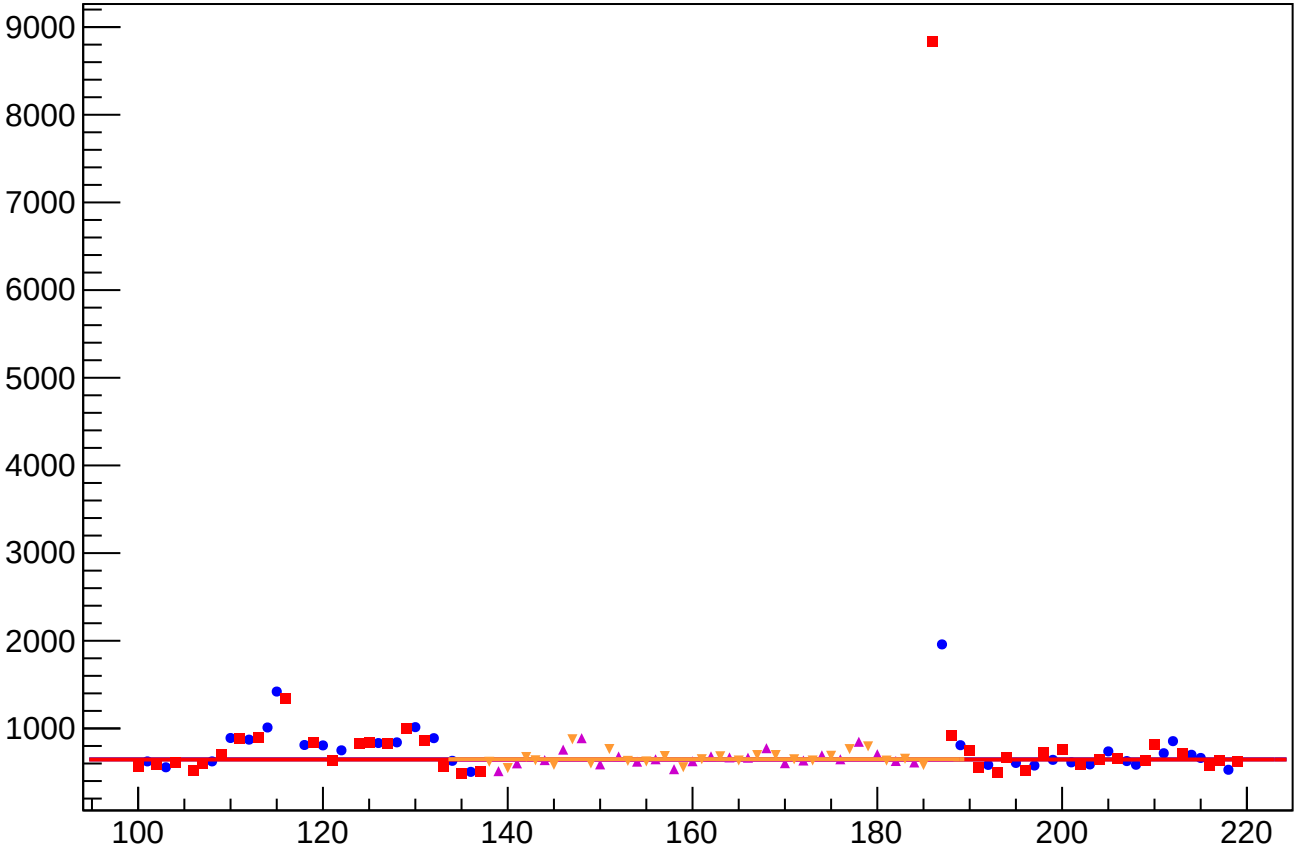
Right: -316.852+/-103.019 χ^2/NDF: 88.5/68

In: -27.754+/-105.895 χ^2/NDF:59.5/54

Out: -222.924+/-103.445 χ^2/NDF:88.2/61

All: -127.622+/-73.998 χ^2/NDF: 149.4/116

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 647.502+/-0.104 χ^2/NDF: 1329208.7/31

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 645.447+/-0.102 χ^2/NDF: 2091859.0/36

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

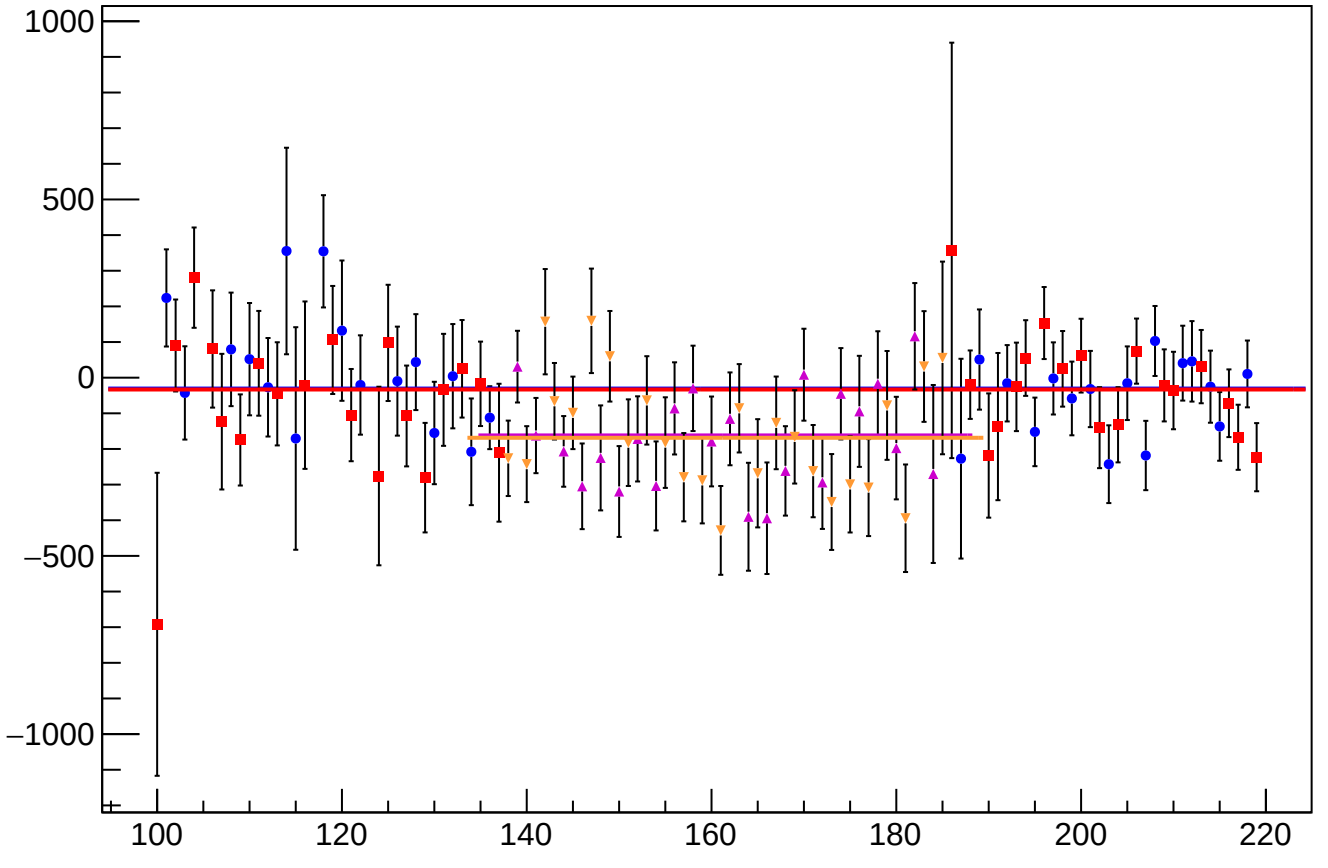
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 646.449+/-0.073 χ^2/NDF: 3421266.6/68

In: 645.839+/-0.075 χ^2/NDF:1888853.8/54

Out: 647.255+/-0.073 χ^2/NDF:2510878.0/61

All: 646.564+/-0.052 χ^2/NDF: 4399914.8/116



Right In: -30.559+/-21.501 χ^2/NDF: 30.6/31

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -33.175+/-20.846 χ^2/NDF: 34.0/36

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

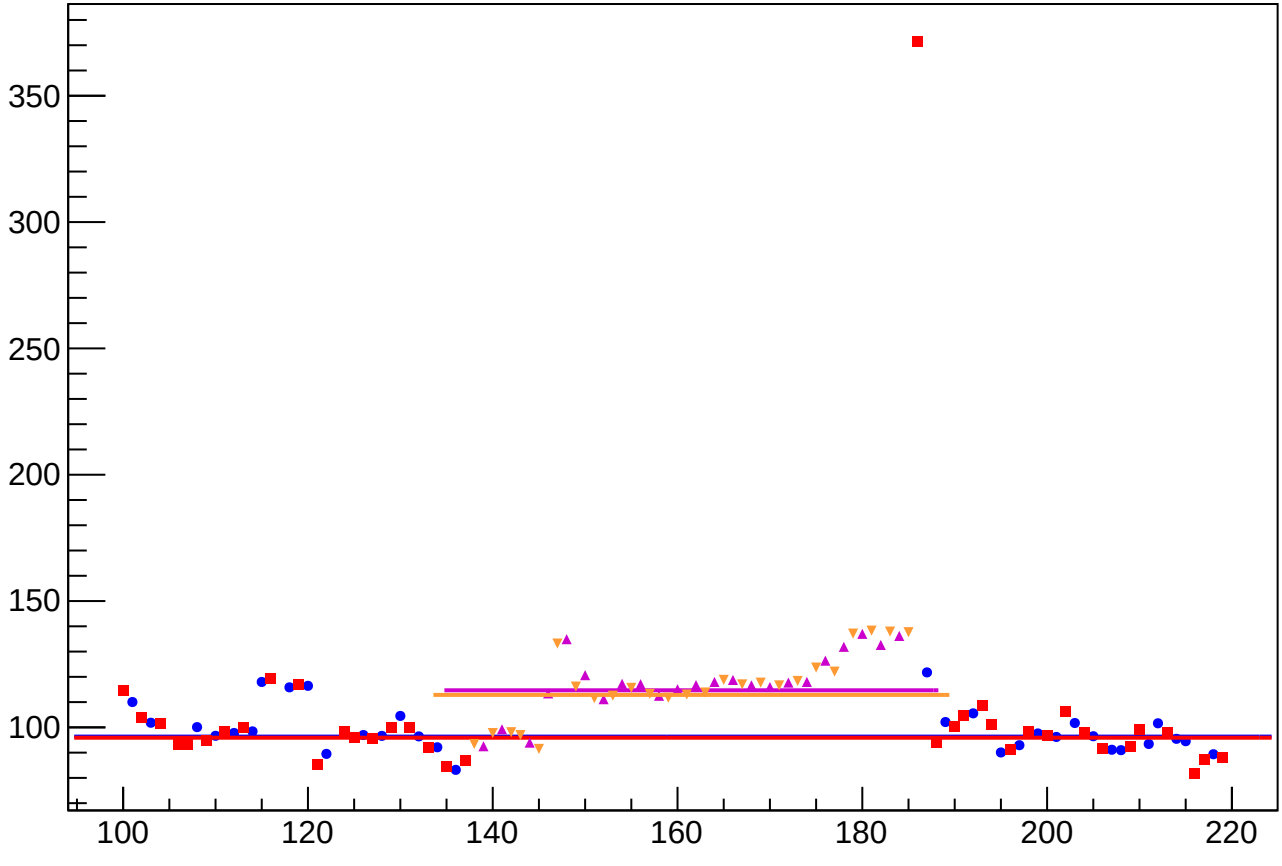
Right: -31.907+/-14.966 χ^2/NDF: 64.6/68

In: -81.698+/-16.807 χ^2/NDF:68.7/54

Out: -86.630+/-16.219 χ^2/NDF:83.1/61

All: -84.252+/-11.671 χ^2/NDF: 151.8/116

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 96.348+/-0.015 χ^2/NDF: 223723.9/31

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 95.909+/-0.015 χ^2/NDF: 703818.3/36

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

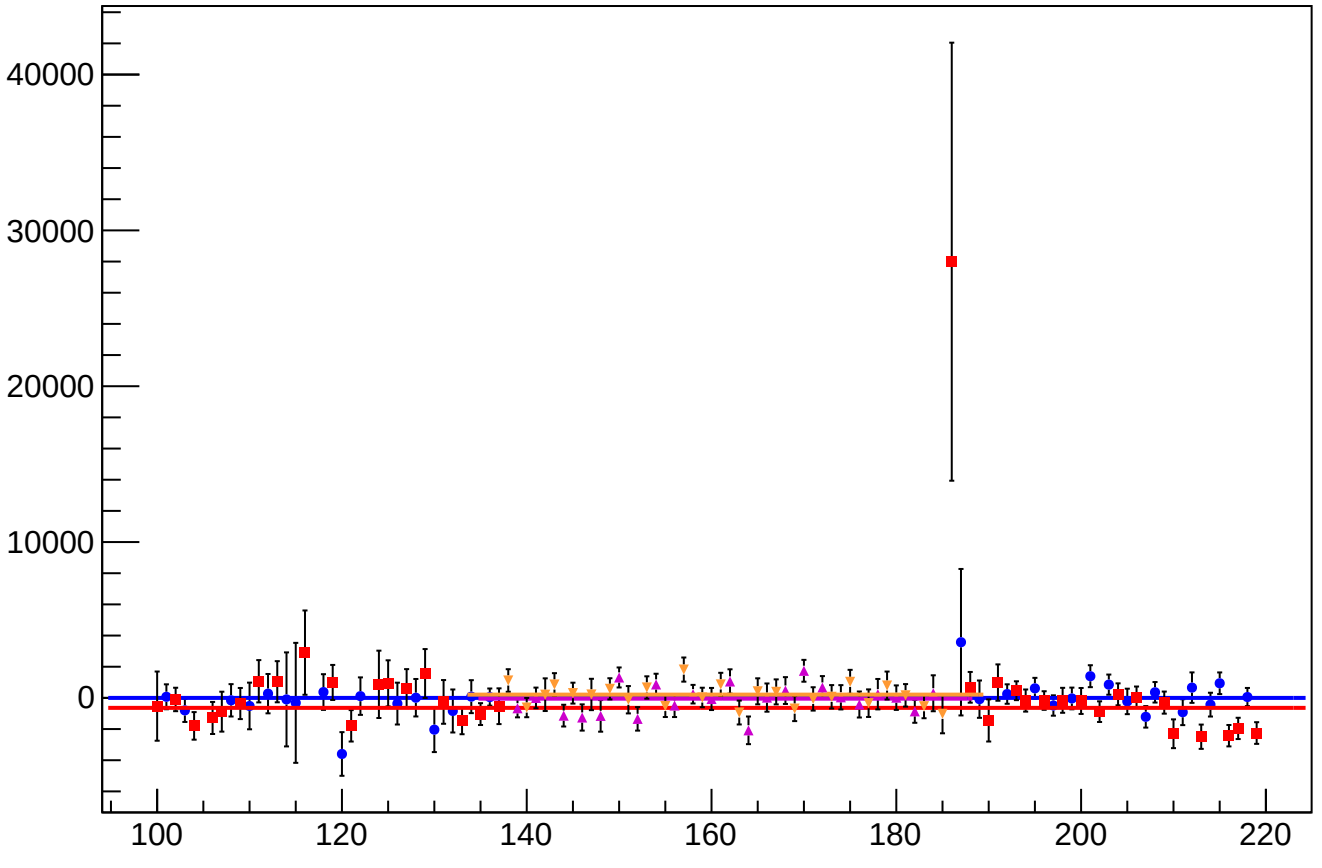
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 96.122+/-0.011 χ^2/NDF: 927970.2/68

In: 103.477+/-0.012 χ^2/NDF:1199048.5/54

Out: 102.594+/-0.011 χ^2/NDF:1737269.0/61

All: 103.020+/-0.008 χ^2/NDF: 2939175.9/116



Right In: -0.946+/-151.727 χ^2/NDF: 25.6/31

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -640.043+/-147.985 χ^2/NDF: 57.9/36

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

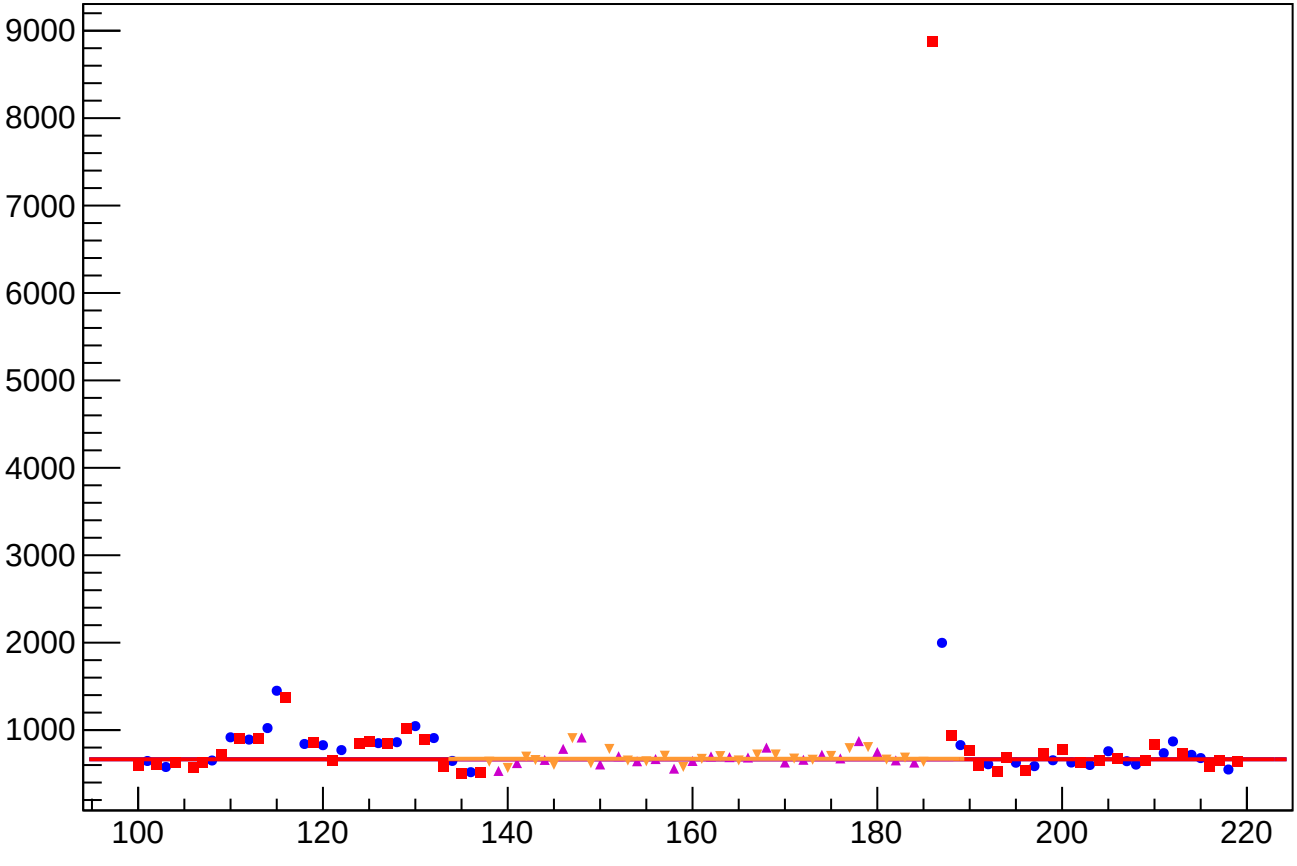
Right: -328.472+/-105.940 χ^2/NDF: 92.6/68

In: -24.688+/-109.266 χ^2/NDF:59.0/54

Out: -232.039+/-106.680 χ^2/NDF:92.6/61

All: -130.847+/-76.332 χ^2/NDF: 153.5/116

asym_sam_15_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 666.347+/-0.107 χ^2/NDF: 1298037.8/31

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 665.783+/-0.105 χ^2/NDF: 2001479.3/36

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

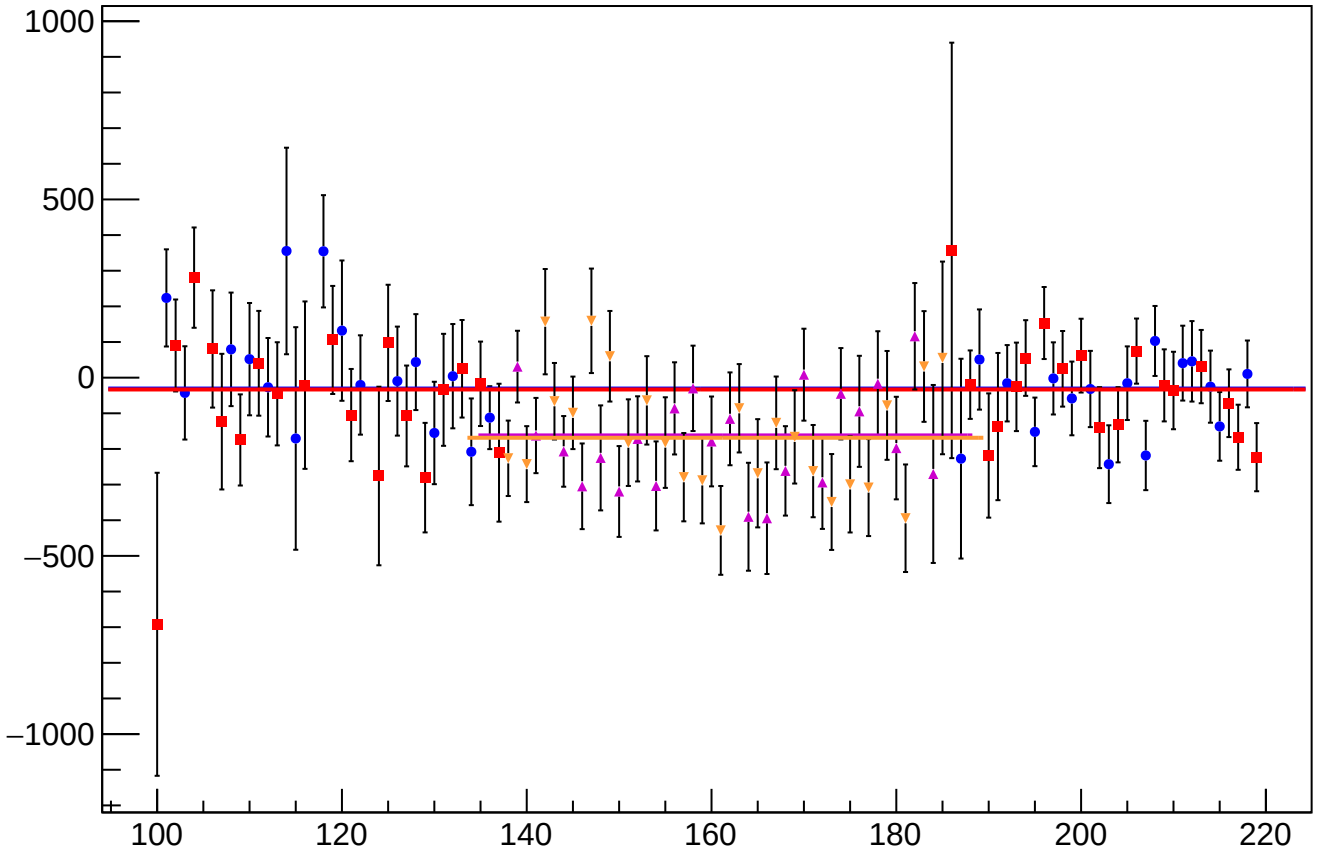
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 666.058+/-0.075 χ^2/NDF: 3299531.2/68

In: 666.826+/-0.077 χ^2/NDF:1844982.8/54

Out: 668.697+/-0.075 χ^2/NDF:2402252.9/61

All: 667.784+/-0.054 χ^2/NDF: 4247536.0/116



Right In: -30.559+/-21.501 χ^2/NDF: 30.6/31

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -33.174+/-20.846 χ^2/NDF: 34.0/36

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

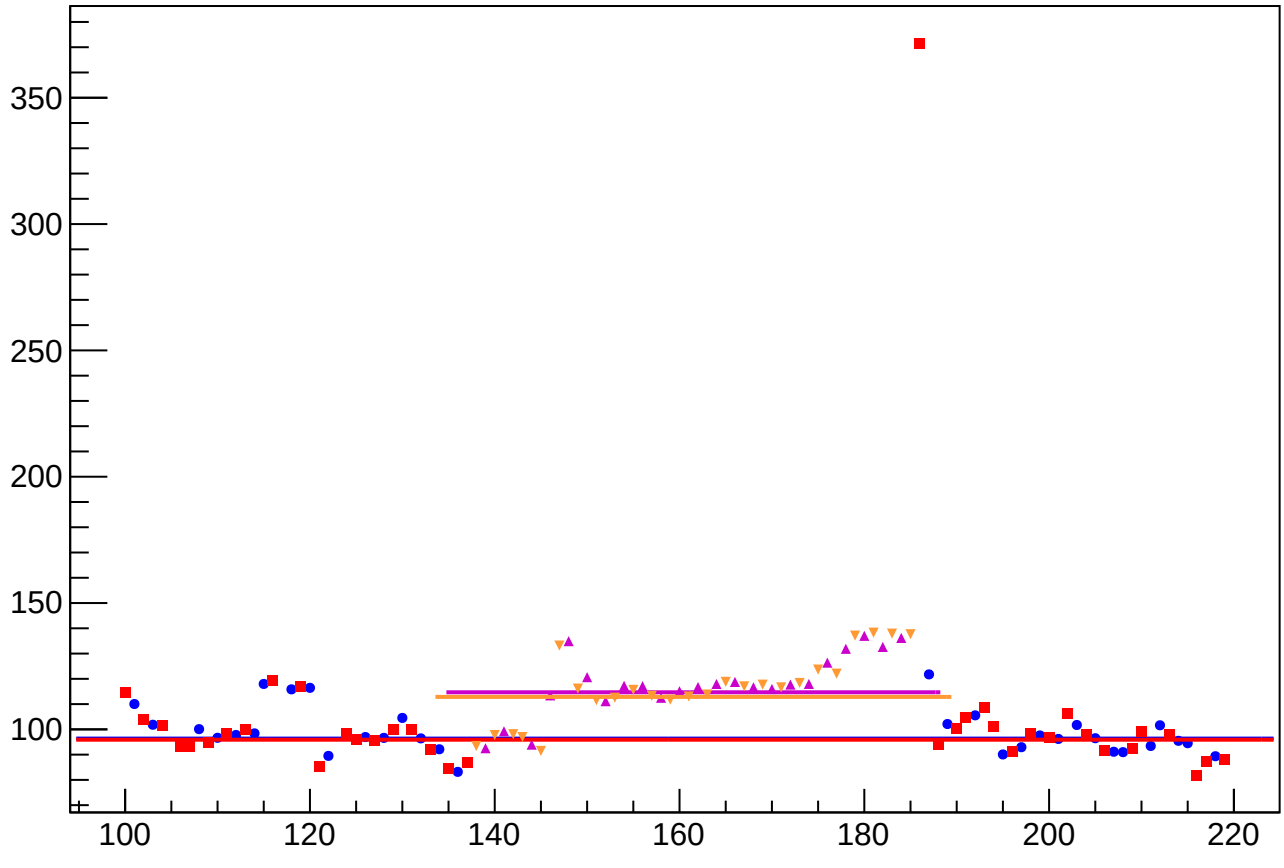
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -31.907+/-14.966 χ^2/NDF: 64.6/68

In: -81.697+/-16.807 χ^2/NDF:68.7/54

Out: -86.630+/-16.219 χ^2/NDF:83.1/61

All: -84.251+/-11.671 χ^2/NDF: 151.8/116



Right In: 96.347+/-0.015 χ^2/NDF: 223727.3/31

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 95.909+/-0.015 χ^2/NDF: 703822.7/36

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

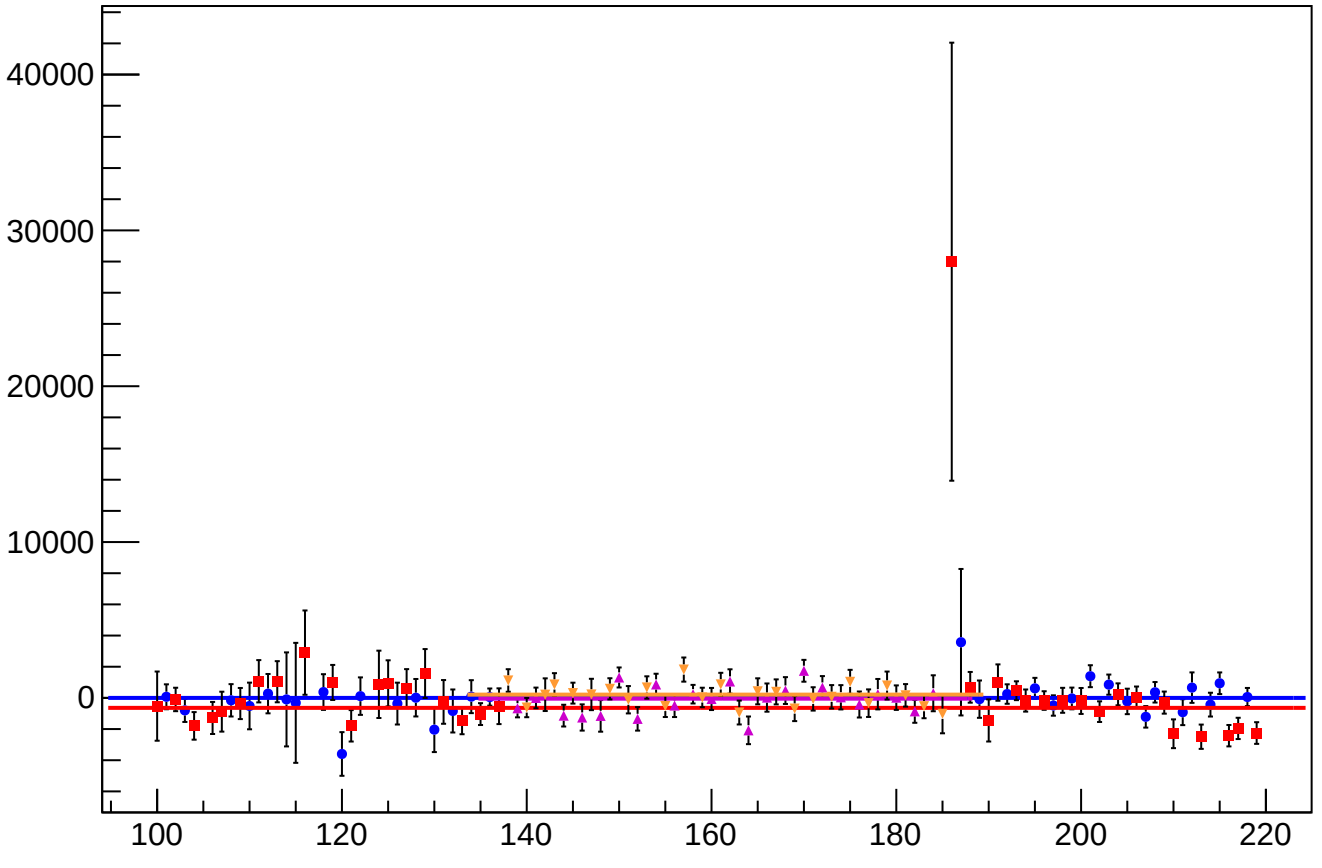
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 96.122+/-0.011 χ^2/NDF: 927978.1/68

In: 103.477+/-0.012 χ^2/NDF:1199063.4/54

Out: 102.594+/-0.011 χ^2/NDF:1737279.6/61

All: 103.020+/-0.008 χ^2/NDF: 2939201.6/116



Right In: -0.947+/-151.727 χ^2/NDF: 25.6/31

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -640.044+/-147.985 χ^2/NDF: 57.9/36

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

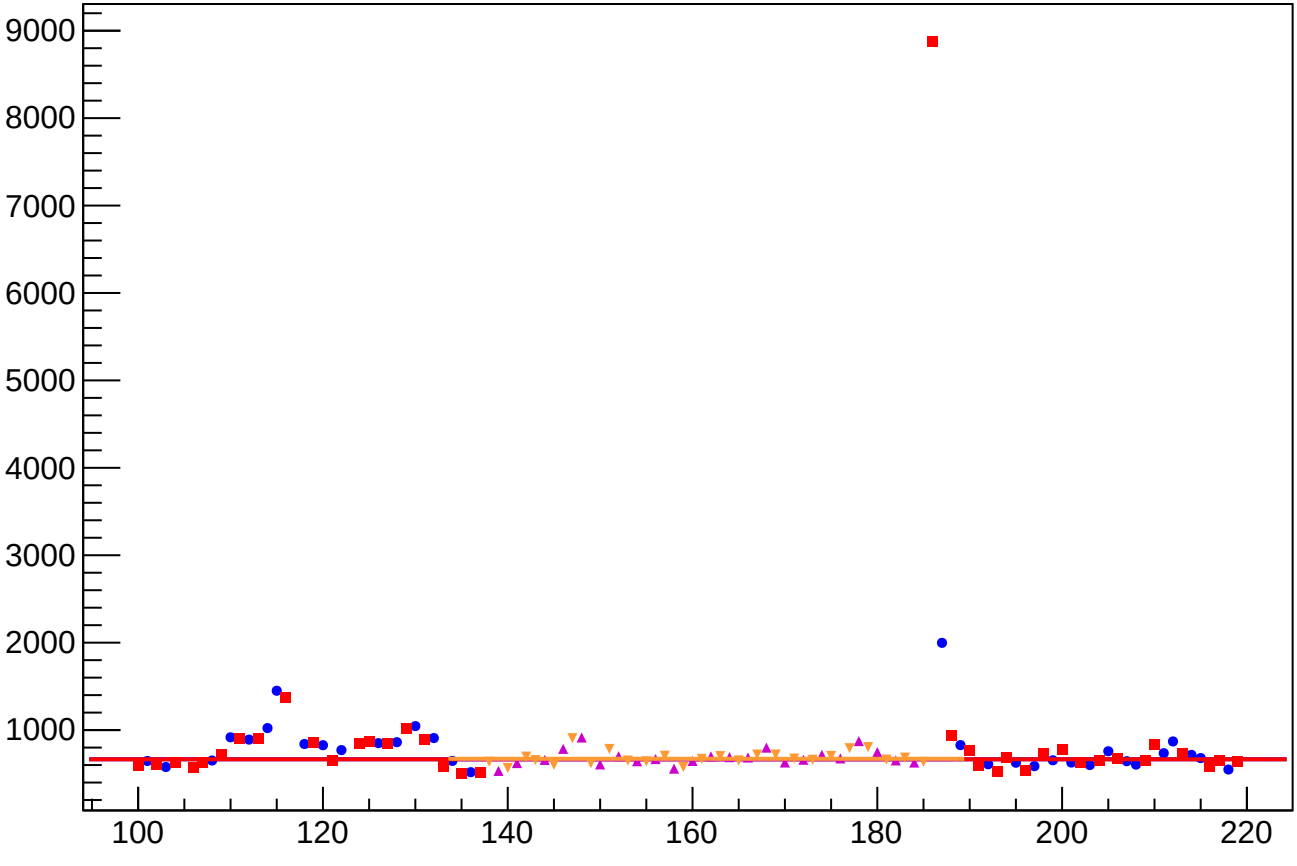
Right: -328.472+/-105.939 χ^2/NDF: 92.6/68

In: -24.689+/-109.266 χ^2/NDF:59.0/54

Out: -232.040+/-106.680 χ^2/NDF:92.6/61

All: -130.848+/-76.332 χ^2/NDF: 153.5/116

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 666.346+/-0.107 χ^2/NDF: 1298037.5/31

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 665.783+/-0.105 χ^2/NDF: 2001485.6/36

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

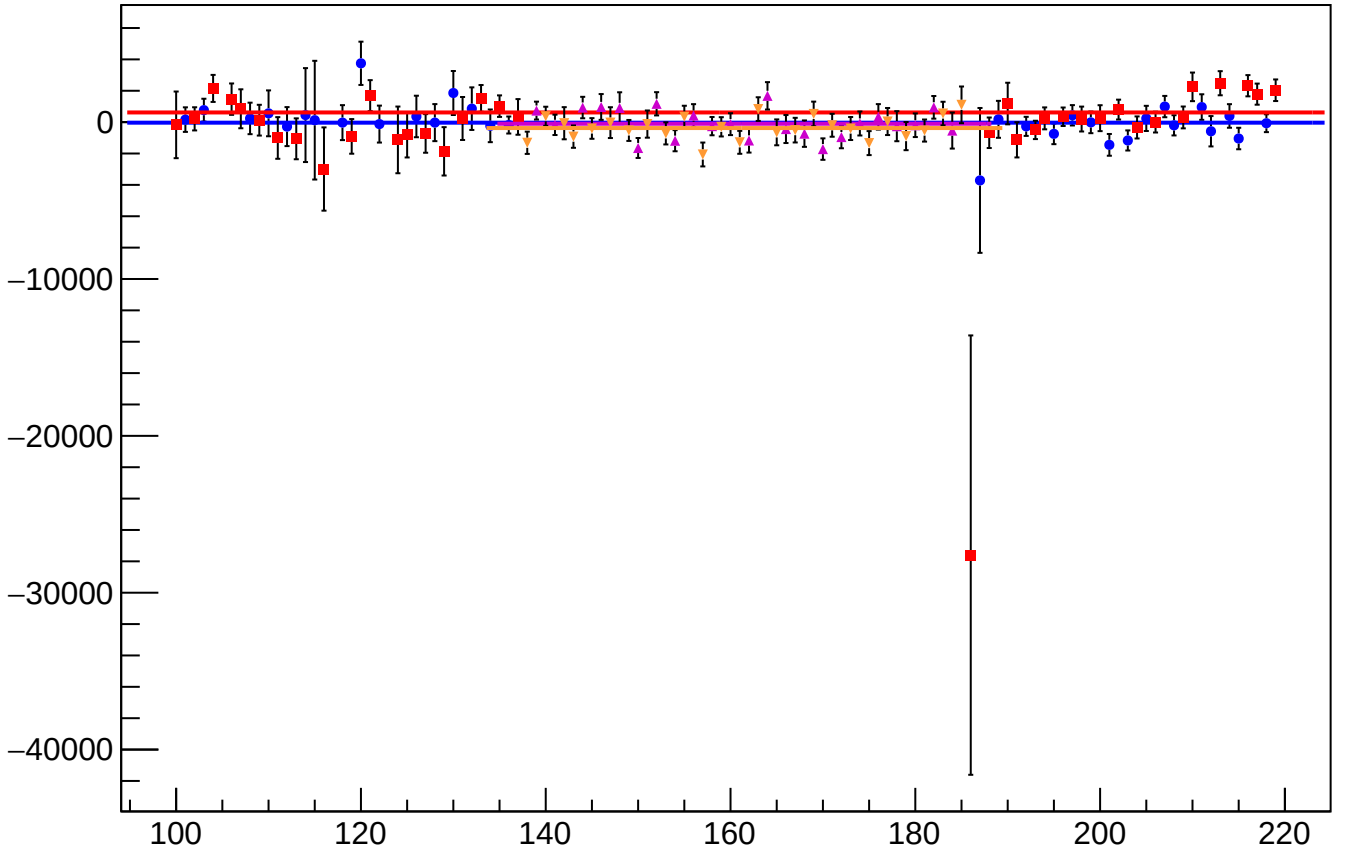
Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

Right: 666.057+/-0.075 χ^2/NDF: 3299537.2/68

In: 666.826+/-0.077 χ^2/NDF:1844984.7/54

Out: 668.697+/-0.075 χ^2/NDF:2402260.3/61

All: 667.783+/-0.054 χ^2/NDF: 4247545.3/116



Right In: -34.477+/-149.063 χ^2/NDF: 28.2/31

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 617.047+/-145.216 χ^2/NDF: 58.4/36

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

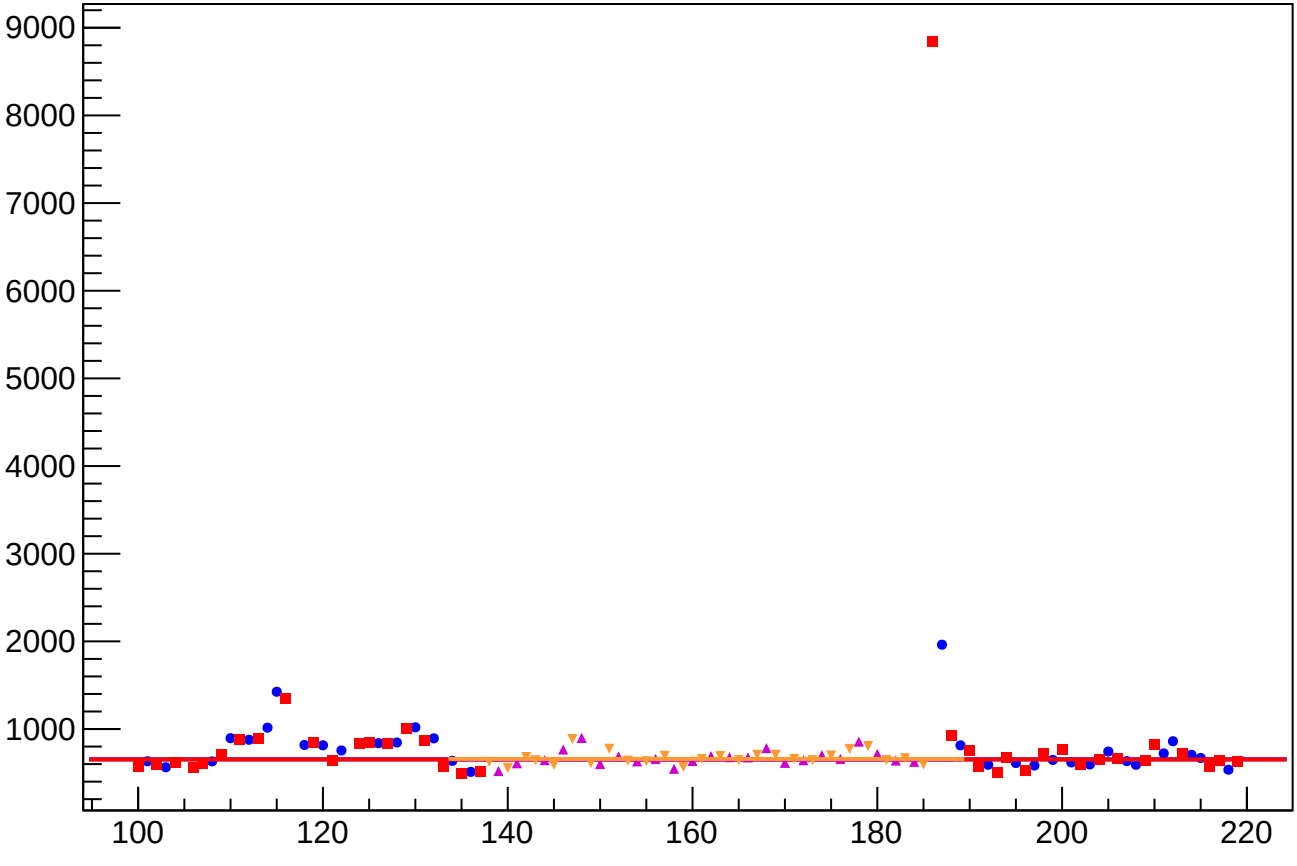
Right: 299.800+/-104.016 χ^2/NDF: 96.4/68

In: -67.703+/-107.219 χ^2/NDF:63.8/54

Out: 139.161+/-104.652 χ^2/NDF:102.4/61

All: 38.235+/-74.891 χ^2/NDF: 168.1/116

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 654.507+/-0.105 χ^2/NDF: 1298188.1/31

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 652.907+/-0.103 χ^2/NDF: 2041485.4/36

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

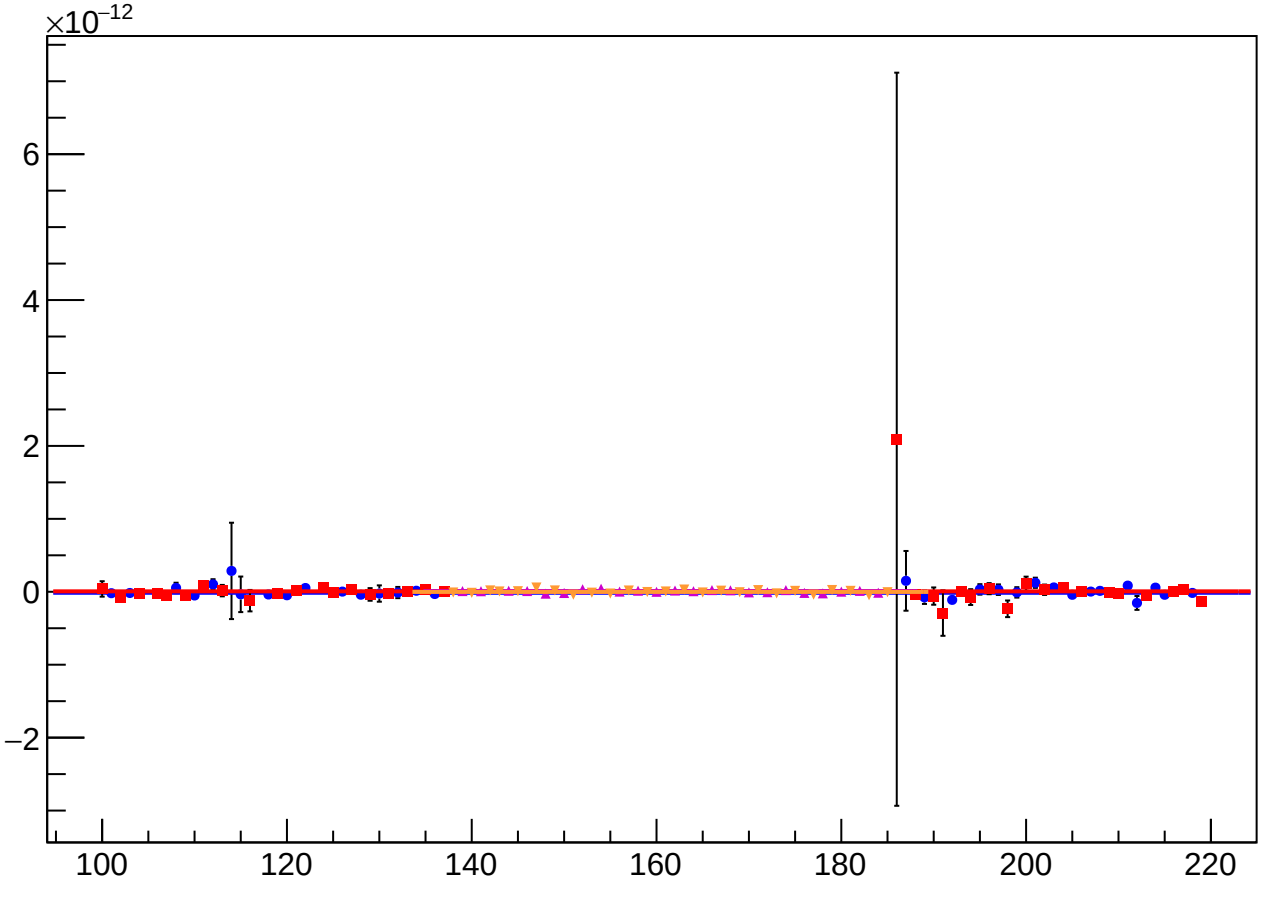
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 653.686+/-0.074 χ^2/NDF: 3339791.6/68

In: 654.238+/-0.076 χ^2/NDF:1840279.7/54

Out: 655.678+/-0.074 χ^2/NDF:2452684.6/61

All: 654.976+/-0.053 χ^2/NDF: 4293149.1/116



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.2/36

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

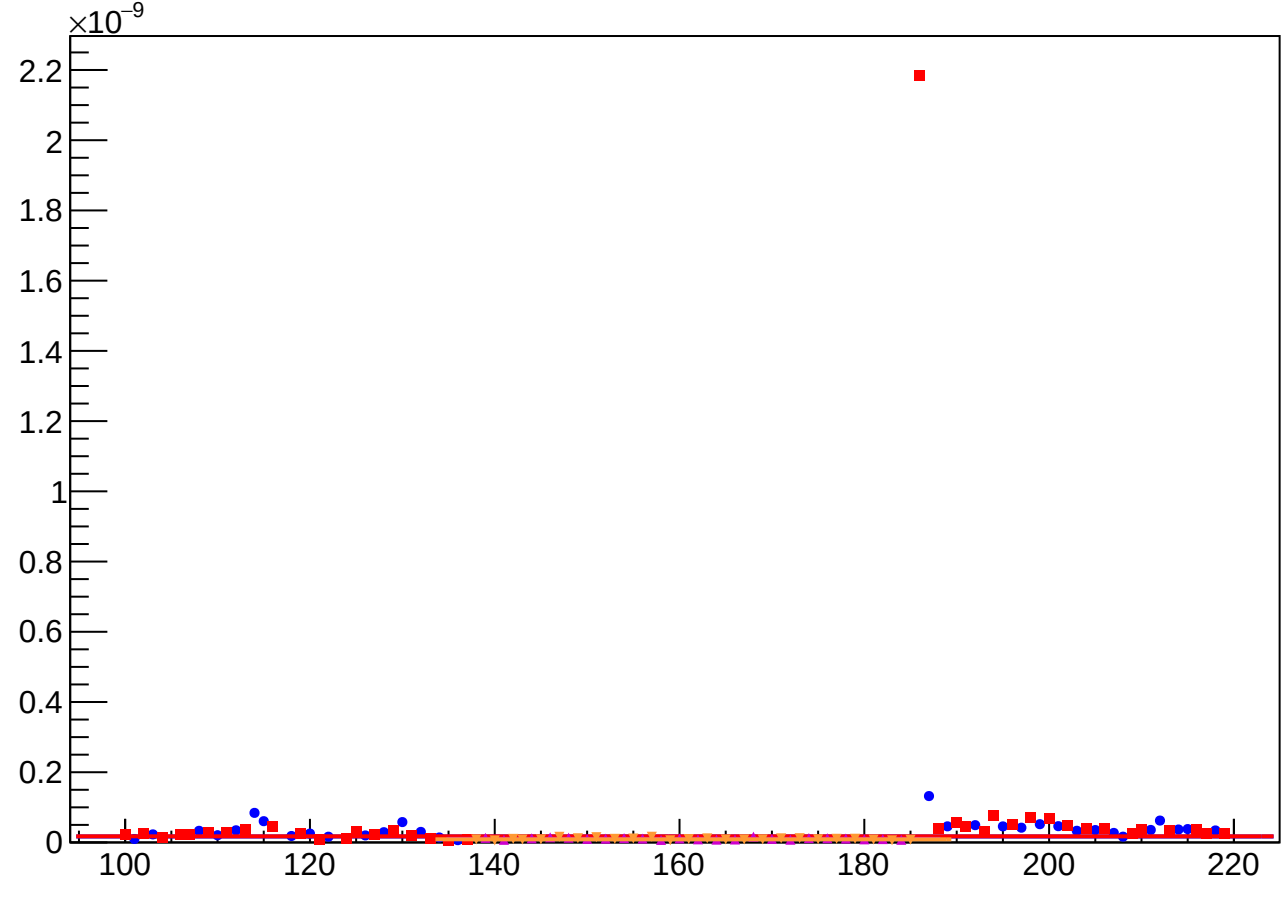
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 71.3/68

In: 0.000+/-0.000 χ^2/NDF:52.2/54

Out: -0.000+/-0.000 χ^2/NDF:71.1/61

All: 0.000+/-0.000 χ^2/NDF: 123.6/116



Right In: 0.000+/-0.000 χ^2/NDF: 7363398.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8176186.8/36

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

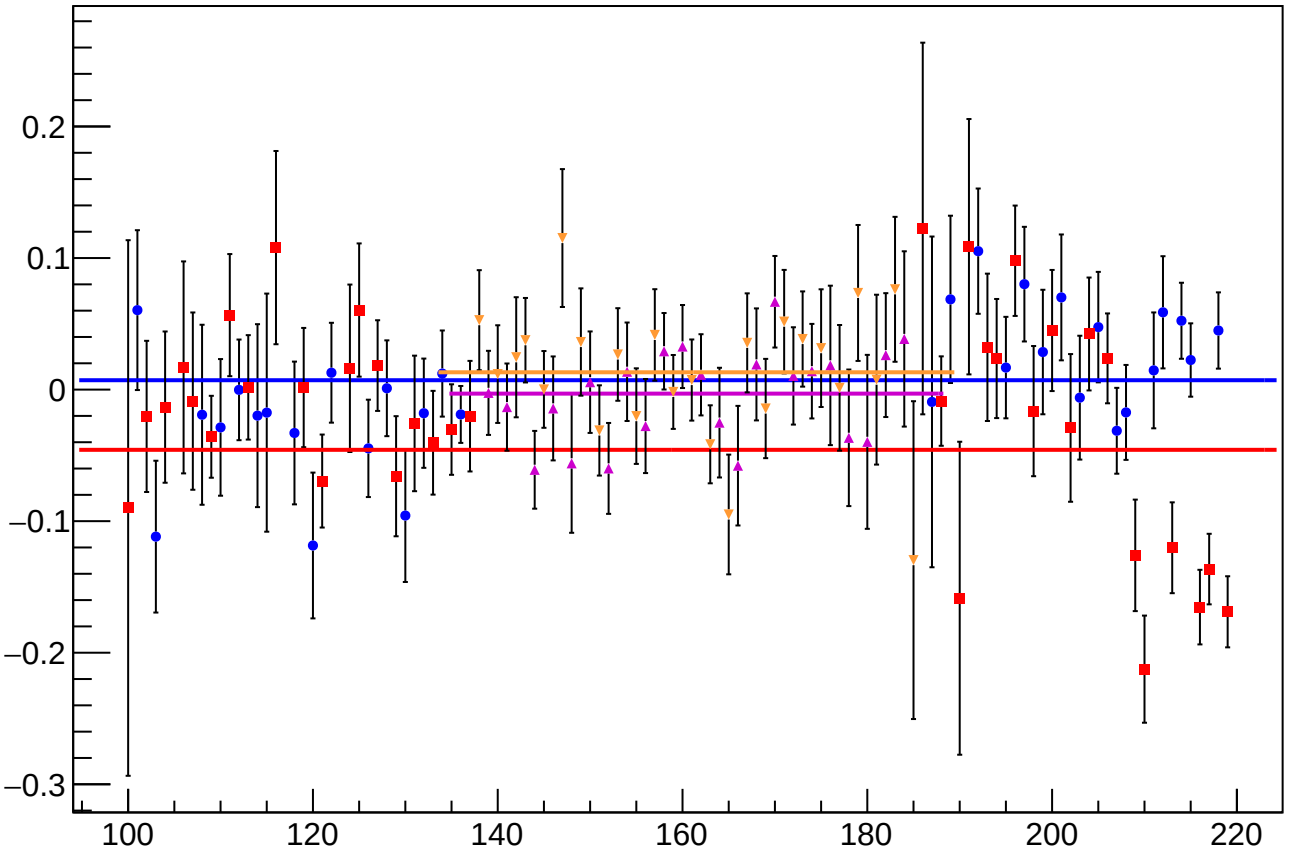
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 15544850.1/68

In: 0.000+/-0.000 χ^2/NDF:9513747.1/54

Out: 0.000+/-0.000 χ^2/NDF:11665421.3/61

All: 0.000+/-0.000 χ^2/NDF: 21320881.5/116



Right In: 0.007+/-0.007 χ^2/NDF: 38.4/31

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.046+/-0.007 χ^2/NDF: 133.2/36

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

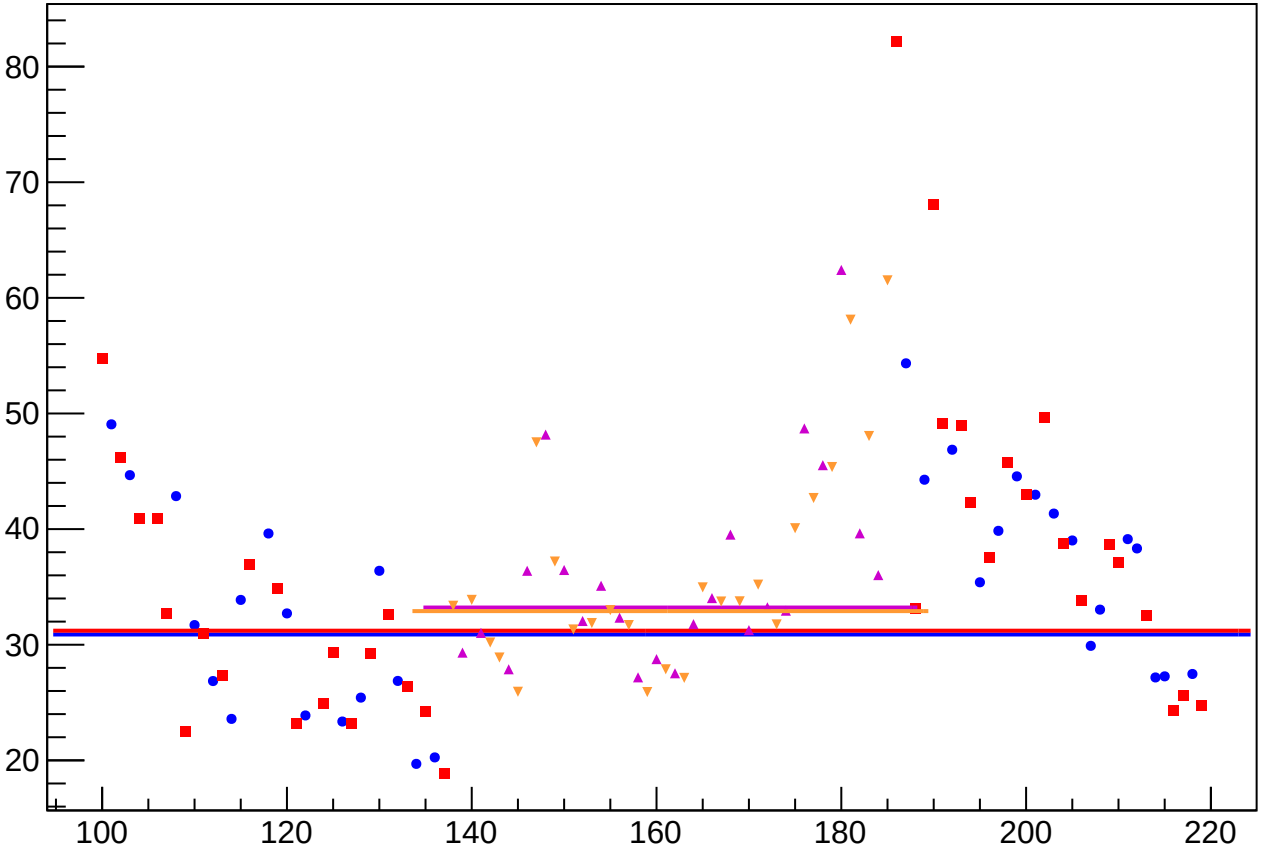
Right: -0.020+/-0.005 χ^2/NDF: 199.2/68

In: 0.003+/-0.005 χ^2/NDF:58.5/54

Out: -0.019+/-0.005 χ^2/NDF:190.5/61

All: -0.008+/-0.004 χ^2/NDF: 257.2/116

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.886+/-0.005 χ^2/NDF: 2608925.8/31

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 31.214+/-0.005 χ^2/NDF: 2885179.6/36

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

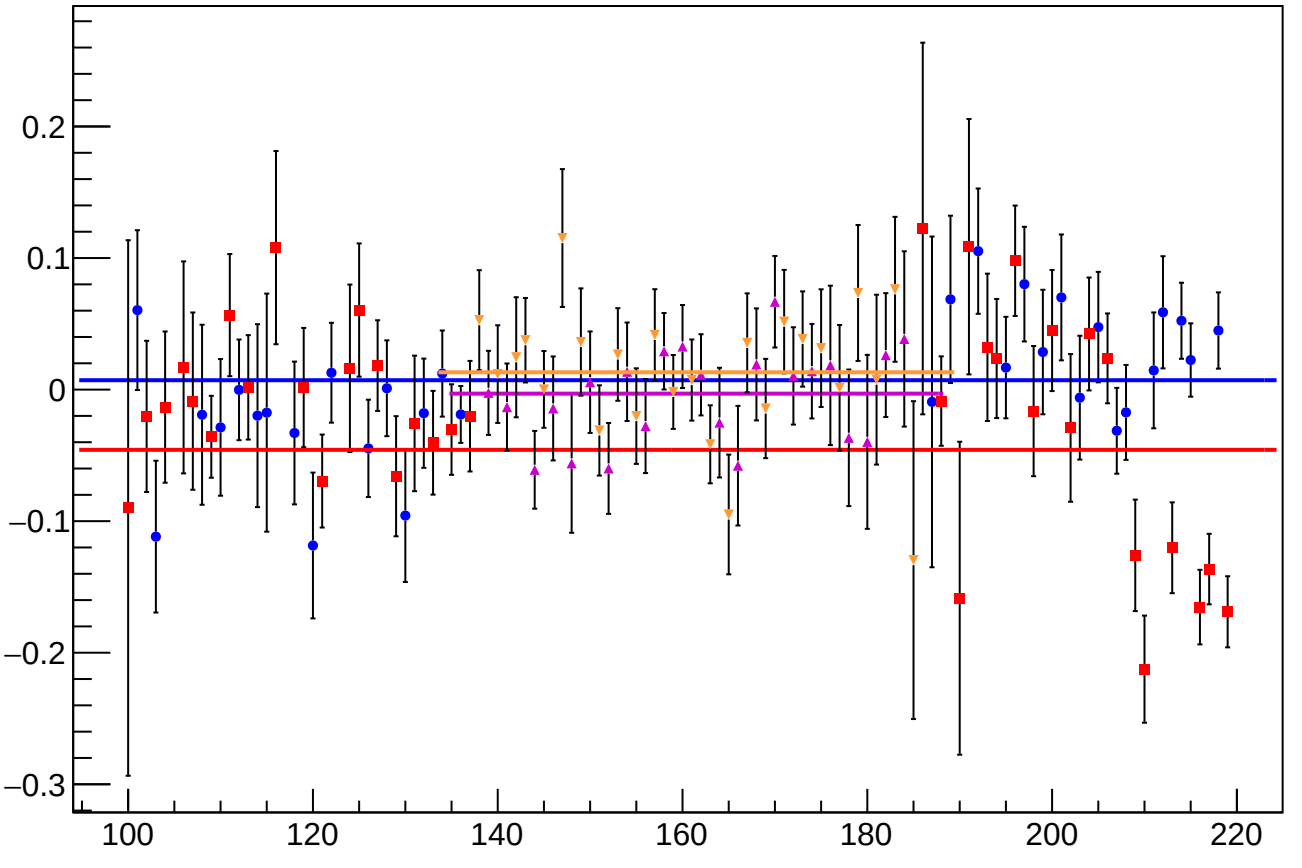
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.053+/-0.004 χ^2/NDF: 5496225.0/68

In: 31.933+/-0.004 χ^2/NDF:3924764.1/54

Out: 31.990+/-0.004 χ^2/NDF:4365791.8/61

All: 31.962+/-0.003 χ^2/NDF: 8290673.8/116



Right In: 0.007+/-0.007 χ^2/NDF: 38.4/31

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.046+/-0.007 χ^2/NDF: 133.2/36

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

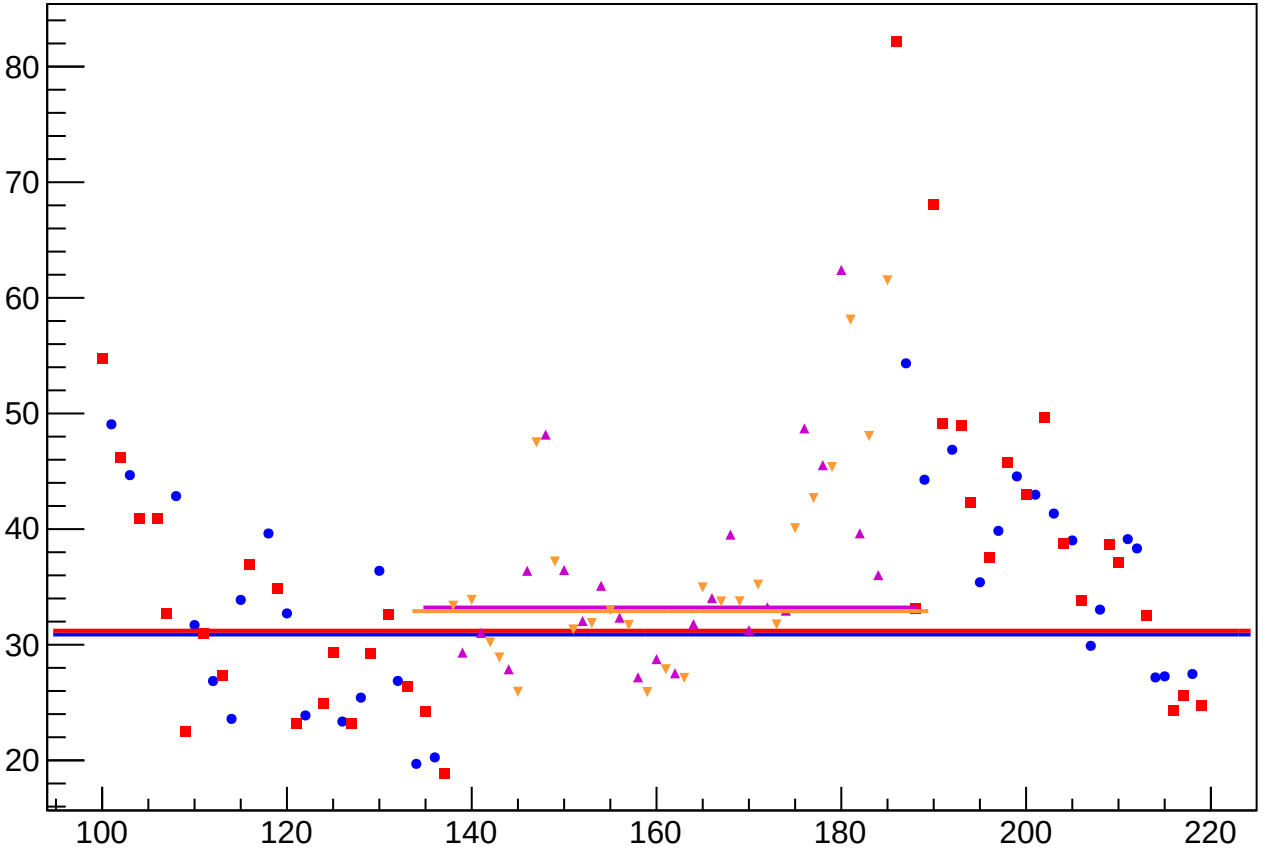
Right: -0.020+/-0.005 χ^2/NDF: 199.2/68

In: 0.003+/-0.005 χ^2/NDF:58.5/54

Out: -0.019+/-0.005 χ^2/NDF:190.5/61

All: -0.008+/-0.004 χ^2/NDF: 257.2/116

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.886+/-0.005 χ^2/NDF: 2608925.8/31

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 31.214+/-0.005 χ^2/NDF: 2885179.6/36

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

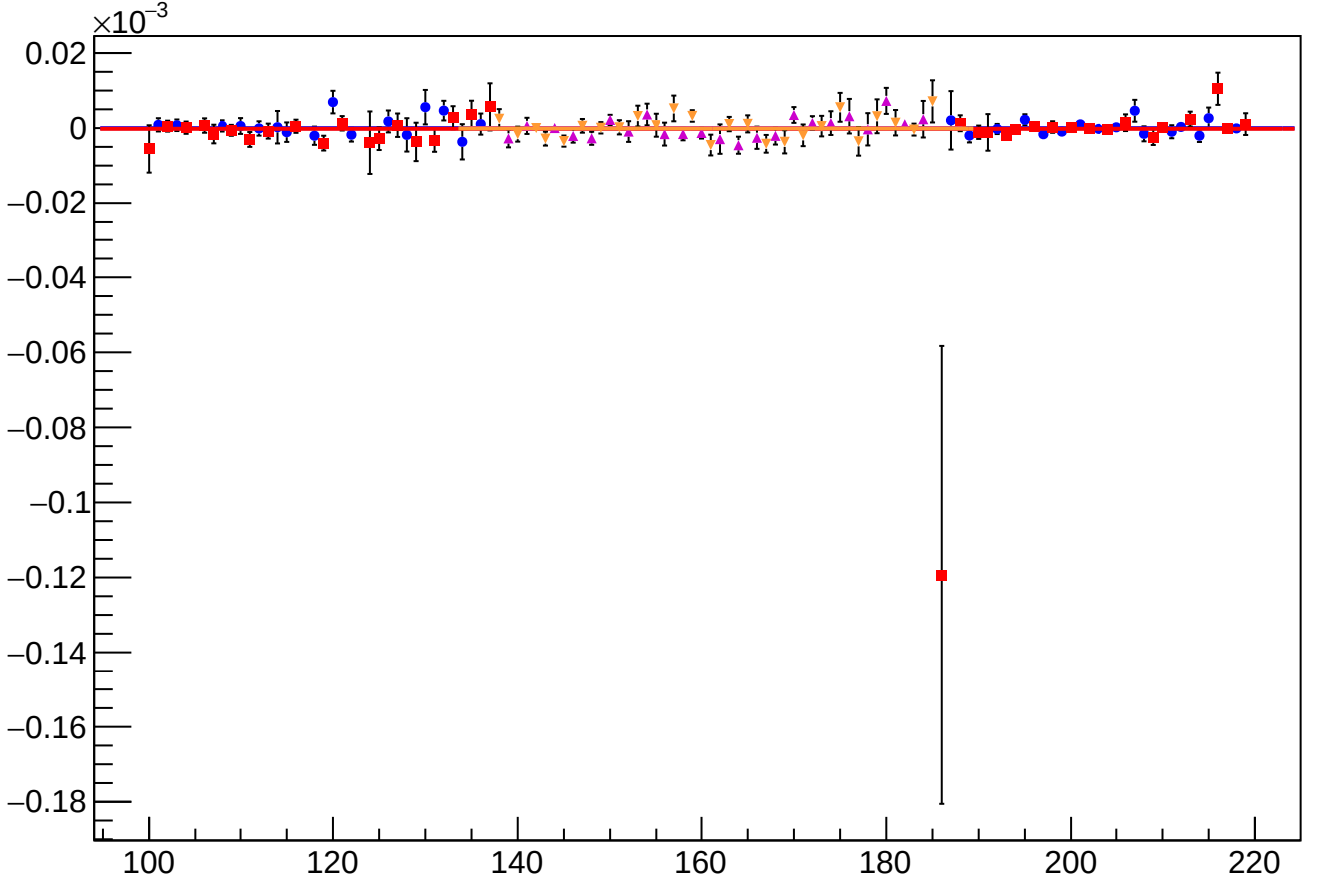
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.053+/-0.004 χ^2/NDF: 5496225.0/68

In: 31.933+/-0.004 χ^2/NDF:3924764.1/54

Out: 31.990+/-0.004 χ^2/NDF:4365791.8/61

All: 31.962+/-0.003 χ^2/NDF: 8290673.8/116



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.3/36

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

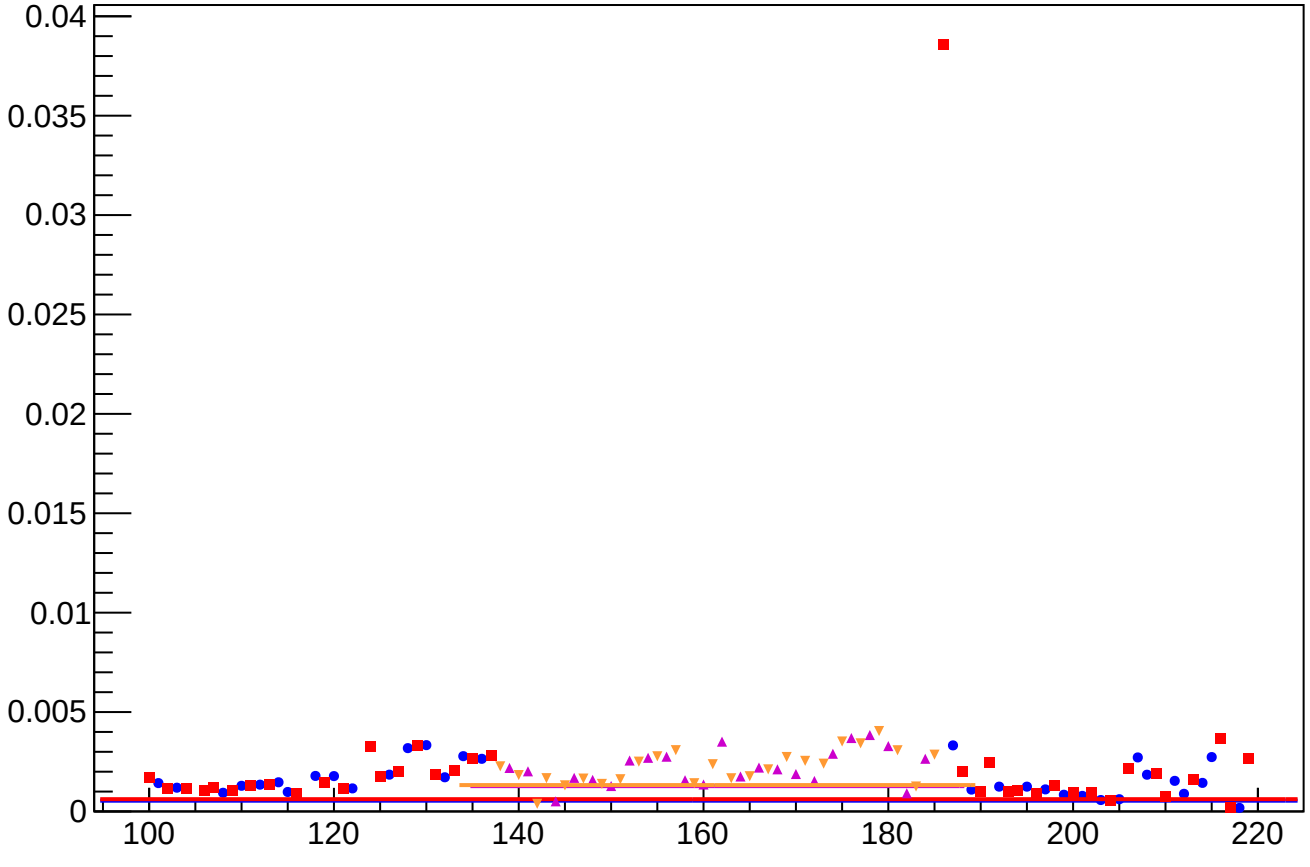
Right: -0.000+/-0.000 χ^2/NDF: 59.0/68

In: -0.000+/-0.000 χ^2/NDF:54.4/54

Out: -0.000+/-0.000 χ^2/NDF:62.3/61

All: -0.000+/-0.000 χ^2/NDF: 117.1/116

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 18306507.7/31

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 18252686.2/36

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

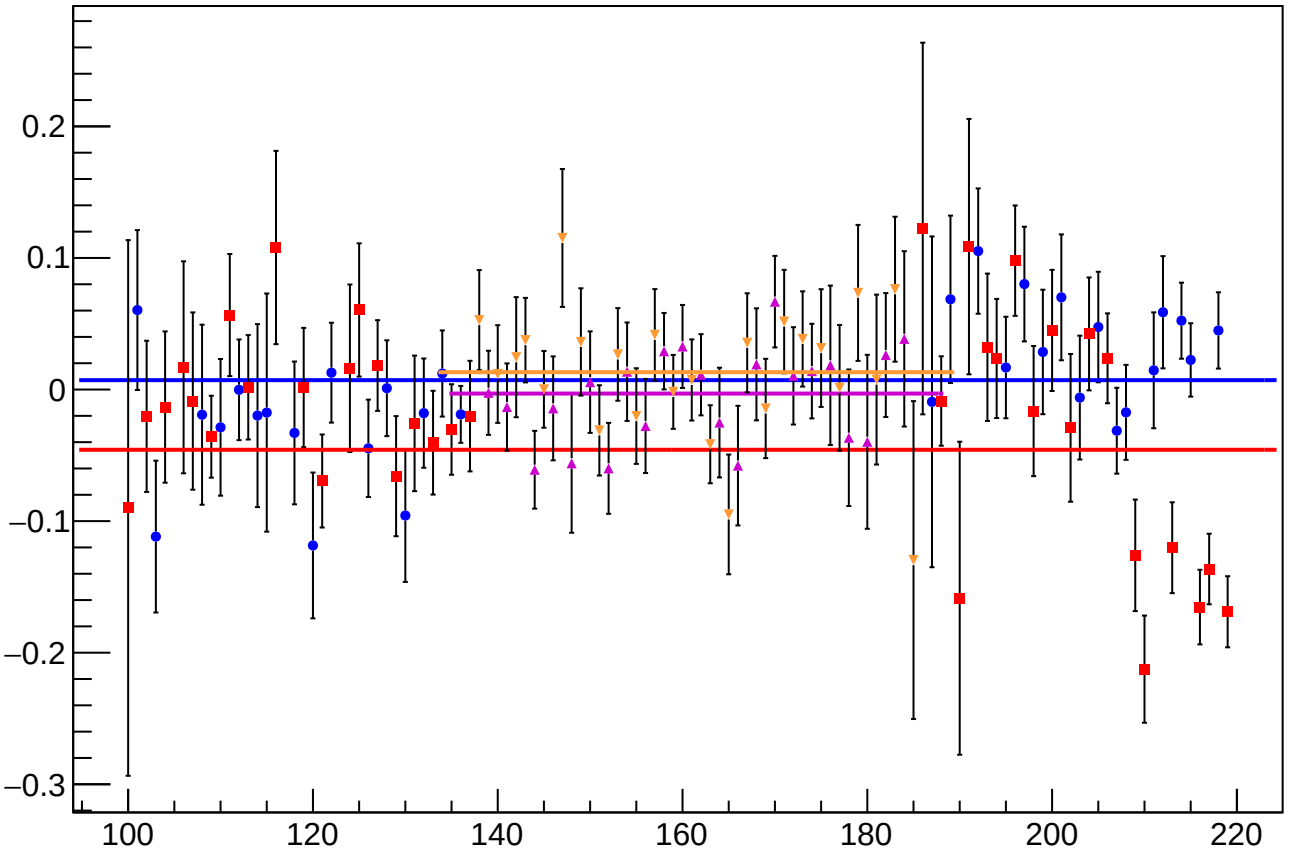
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 36733145.8/68

In: 0.001+/-0.000 χ^2/NDF:35018868.6/54

Out: 0.001+/-0.000 χ^2/NDF:35353344.7/61

All: 0.001+/-0.000 χ^2/NDF: 70584563.7/116



Right In: 0.007+/-0.007 χ^2/NDF: 38.4/31

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.046+/-0.007 χ^2/NDF: 133.2/36

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

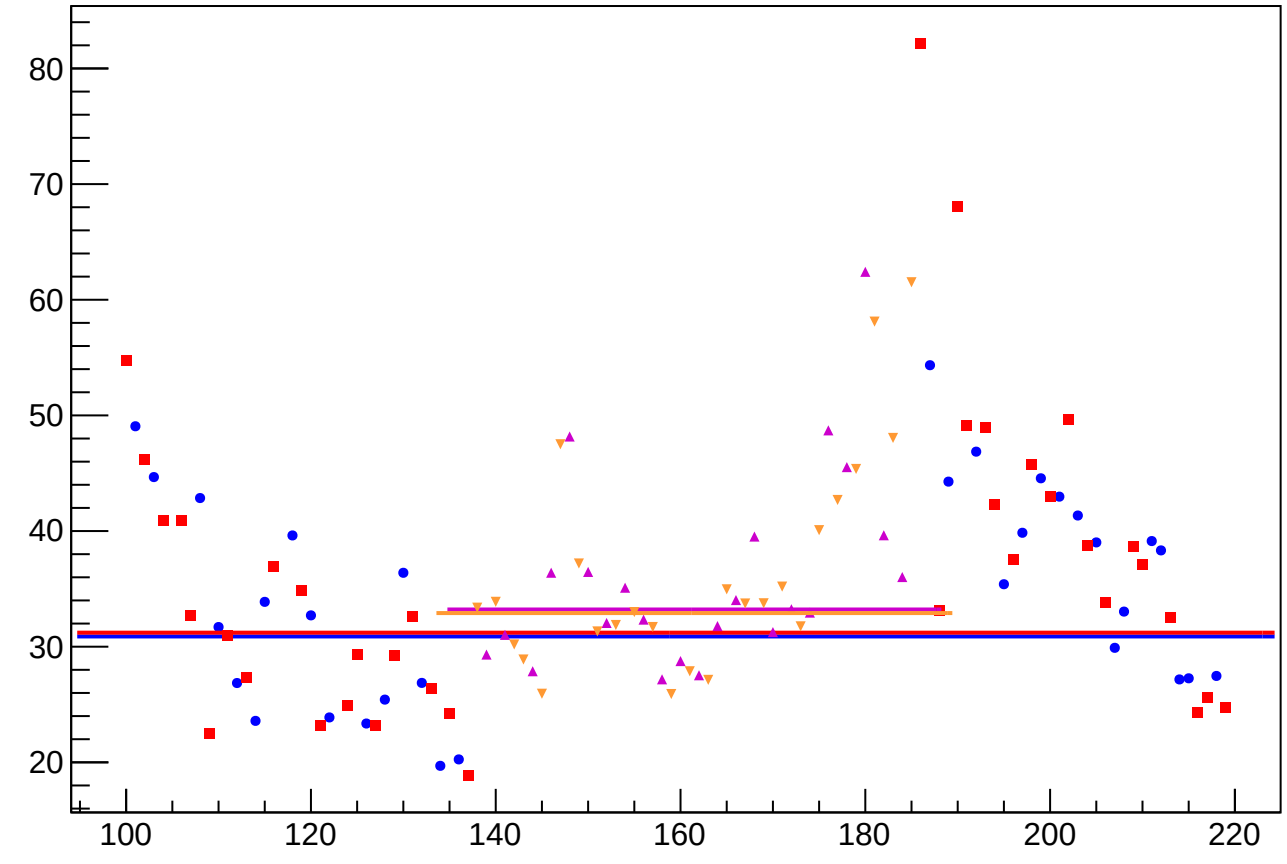
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.020+/-0.005 χ^2/NDF: 199.2/68

In: 0.003+/-0.005 χ^2/NDF:58.5/54

Out: -0.019+/-0.005 χ^2/NDF:190.5/61

All: -0.008+/-0.004 χ^2/NDF: 257.2/116



Right In: 30.886+/-0.005 χ^2/NDF: 2609098.5/31

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 31.213+/-0.005 χ^2/NDF: 2885512.2/36

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

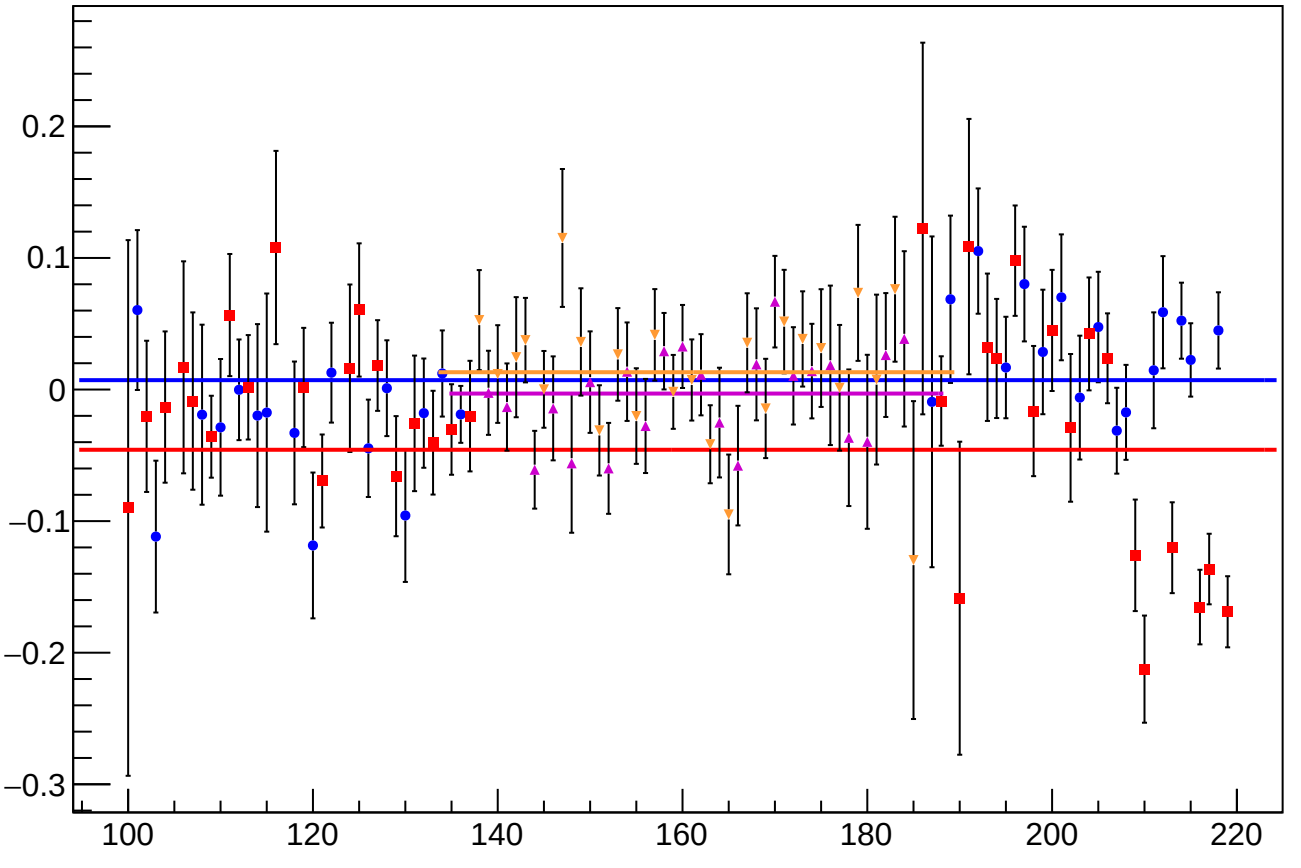
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.052+/-0.004 χ^2/NDF: 5496725.6/68

In: 31.932+/-0.004 χ^2/NDF:3925061.4/54

Out: 31.989+/-0.004 χ^2/NDF:4366253.7/61

All: 31.961+/-0.003 χ^2/NDF: 8291432.1/116



Right In: 0.007+/-0.007 χ^2/NDF: 38.4/31

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.046+/-0.007 χ^2/NDF: 133.2/36

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

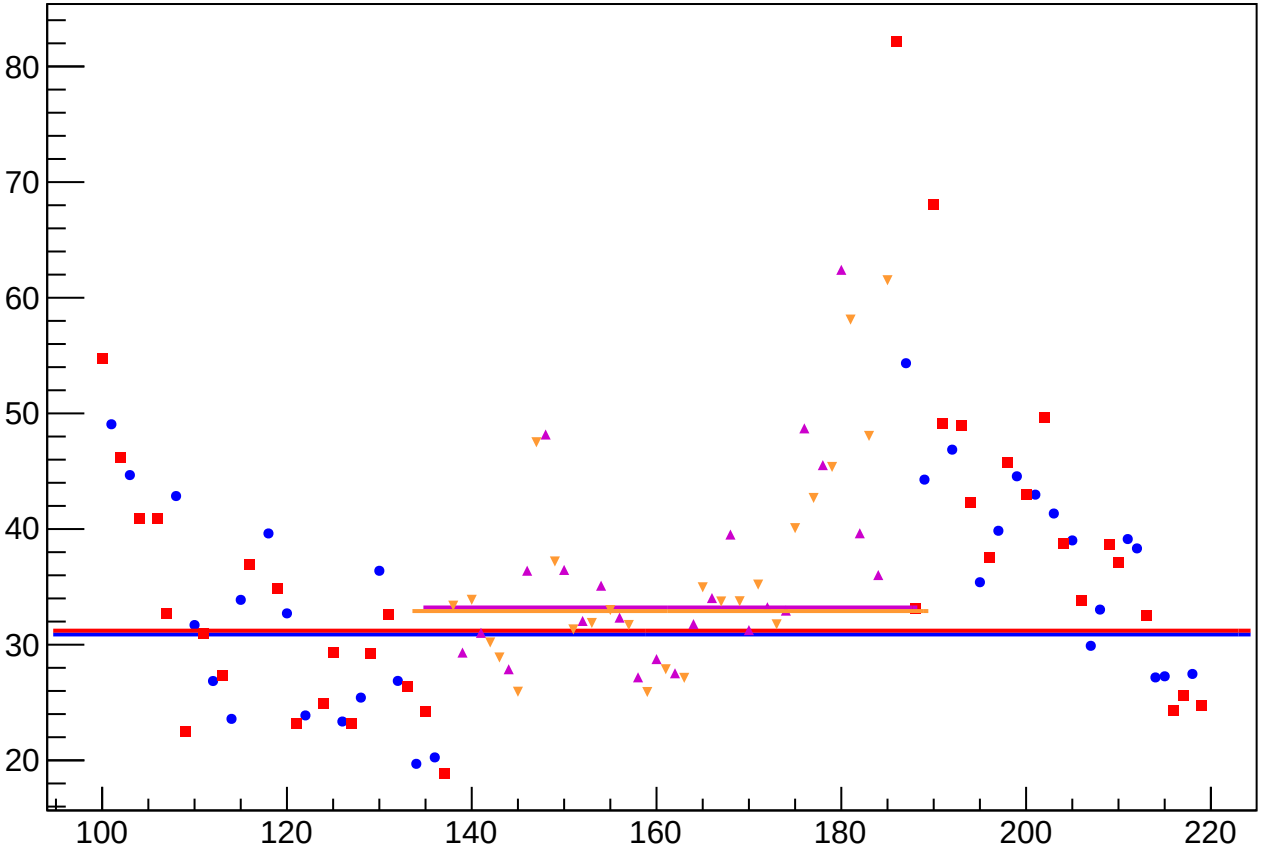
Right: -0.020+/-0.005 χ^2/NDF: 199.2/68

In: 0.003+/-0.005 χ^2/NDF:58.5/54

Out: -0.019+/-0.005 χ^2/NDF:190.5/61

All: -0.008+/-0.004 χ^2/NDF: 257.2/116

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.886+/-0.005 χ^2/NDF: 2609098.5/31

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 31.213+/-0.005 χ^2/NDF: 2885512.2/36

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

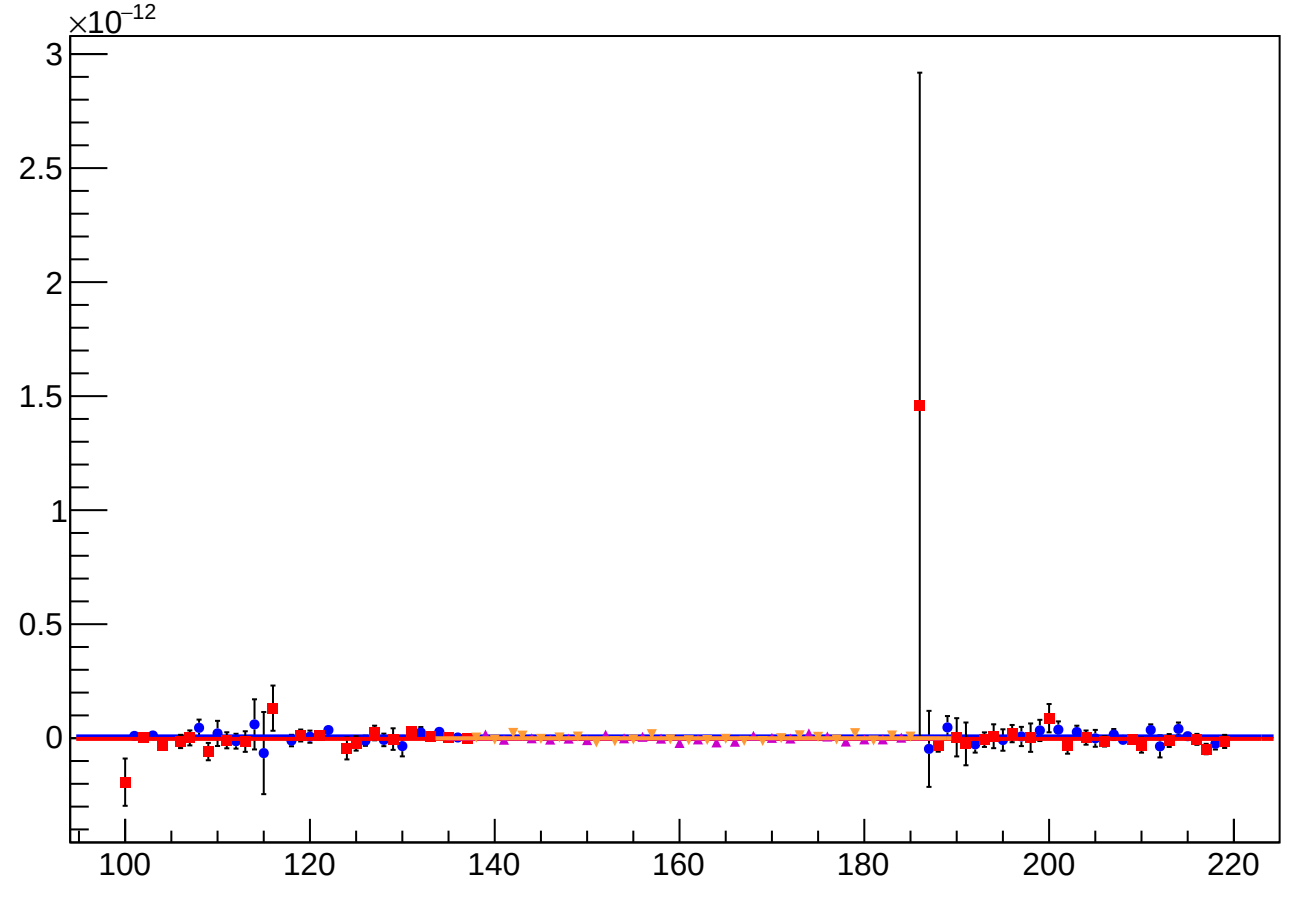
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.052+/-0.004 χ^2/NDF: 5496725.6/68

In: 31.932+/-0.004 χ^2/NDF:3925061.4/54

Out: 31.989+/-0.004 χ^2/NDF:4366253.7/61

All: 31.961+/-0.003 χ^2/NDF: 8291432.1/116



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/36

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

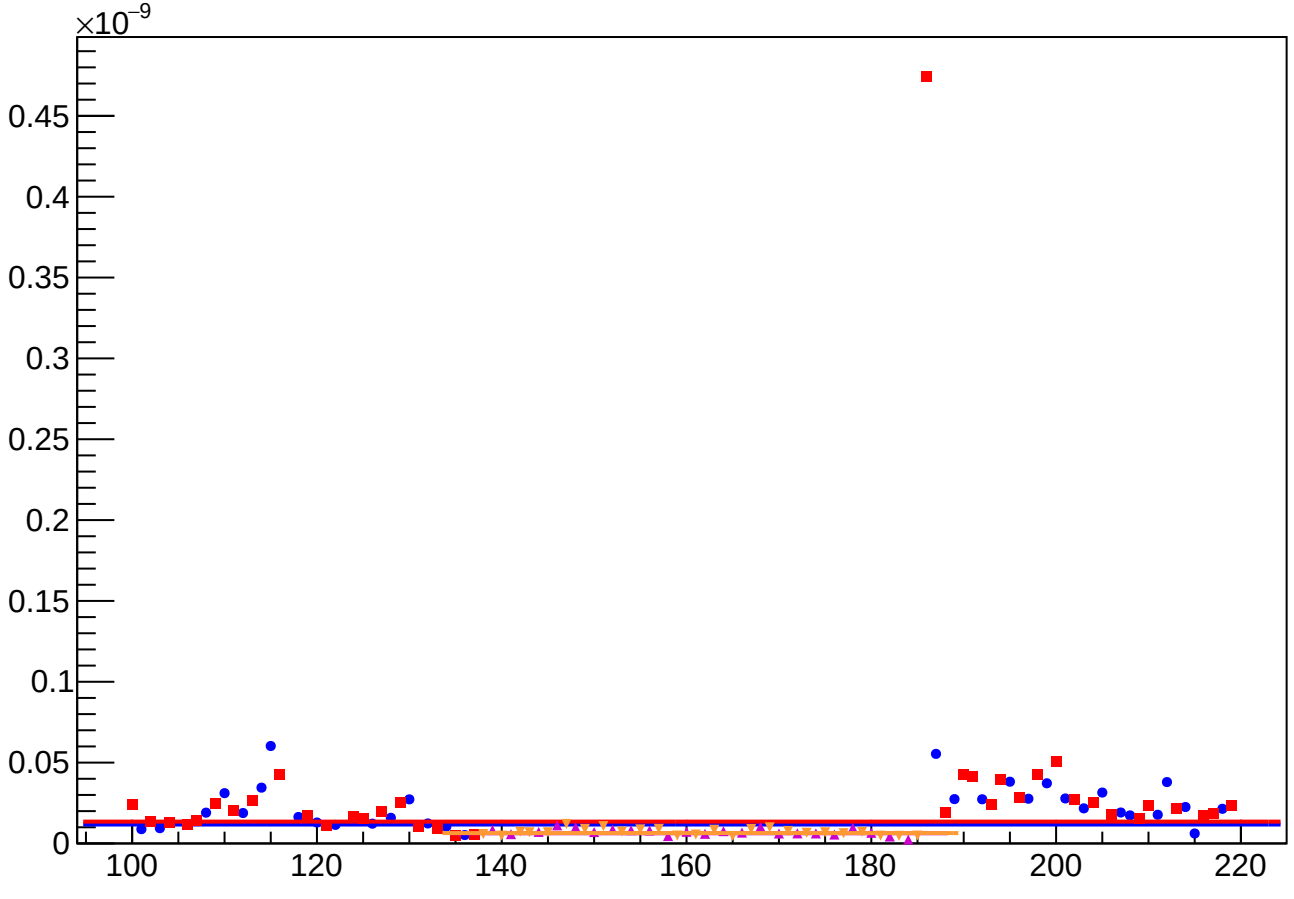
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 48.0/68

In: 0.000+/-0.000 χ^2/NDF:47.3/54

Out: -0.000+/-0.000 χ^2/NDF:58.2/61

All: -0.000+/-0.000 χ^2/NDF: 105.8/116



Right In: 0.000+/-0.000 χ^2/NDF: 8614307.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8021040.0/36

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

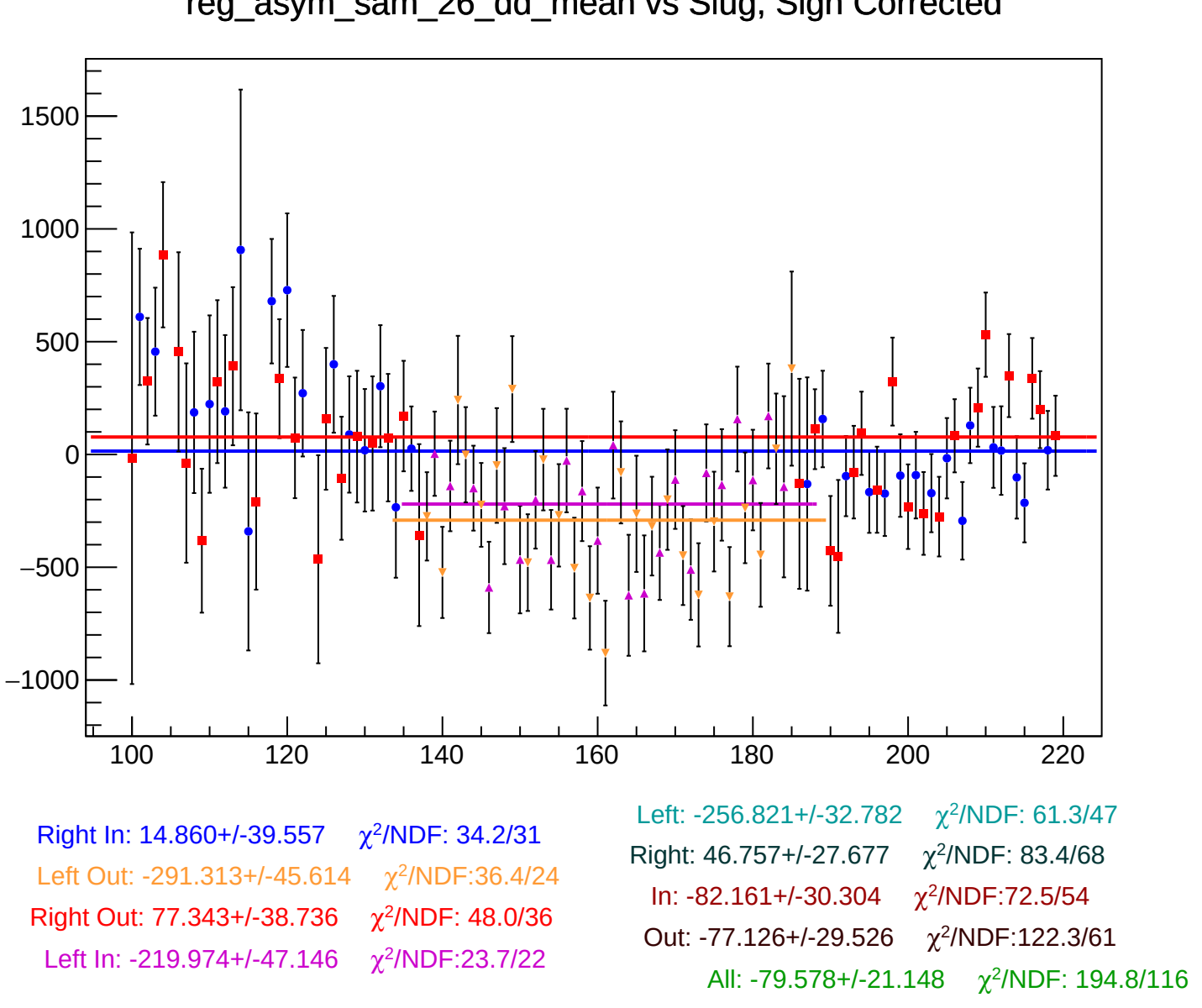
Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

Right: 0.000+/-0.000 χ^2/NDF: 16839257.7/68

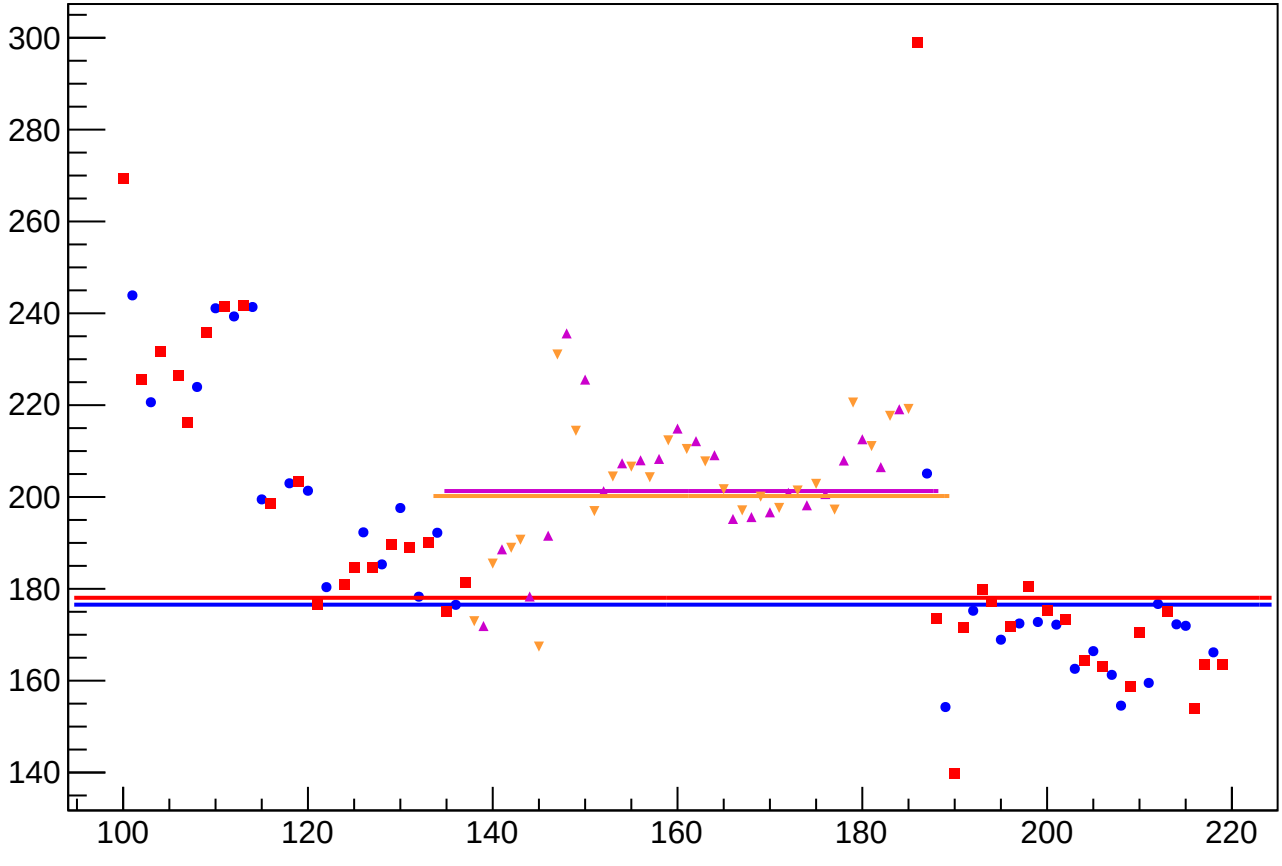
In: 0.000+/-0.000 χ^2/NDF:13964323.3/54

Out: 0.000+/-0.000 χ^2/NDF:14859014.4/61

All: 0.000+/-0.000 χ^2/NDF: 28838341.1/116


reg_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: 14.860+/-39.557 χ²/NDF: 34.2/31
Left Out: -291.313+/-45.614 χ²/NDF:36.4/24
Right Out: 77.343+/-38.736 χ²/NDF: 48.0/36
Left In: -219.974+/-47.146 χ²/NDF:23.7/22
Left: -256.821+/-32.782 χ²/NDF: 61.3/47
Right: 46.757+/-27.677 χ²/NDF: 83.4/68
In: -82.161+/-30.304 χ²/NDF:72.5/54
Out: -77.126+/-29.526 χ²/NDF:122.3/61
All: -79.578+/-21.148 χ²/NDF: 194.8/116

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 176.552+/-0.028 χ^2/NDF: 513053.2/31

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 178.050+/-0.027 χ^2/NDF: 711348.8/36

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

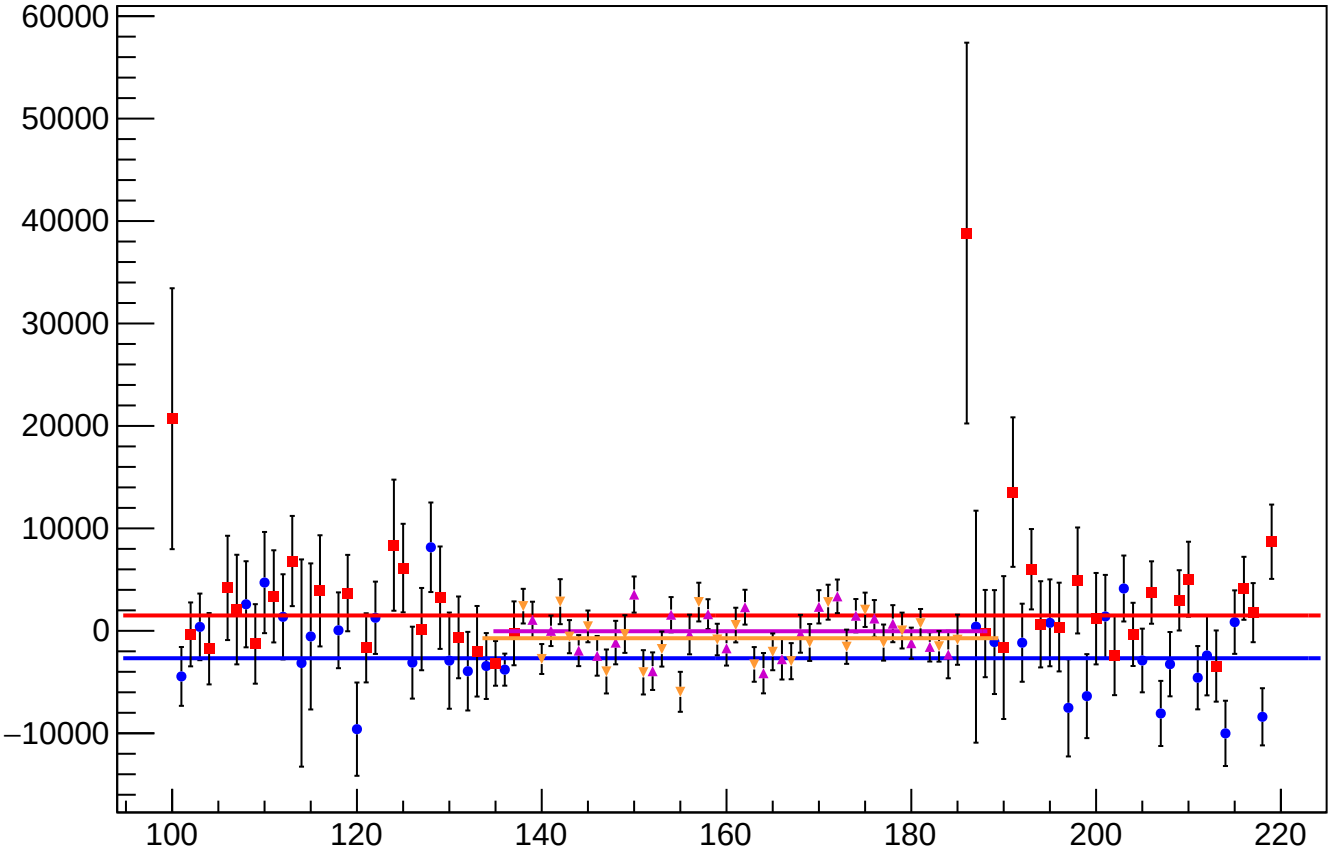
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 177.317+/-0.020 χ^2/NDF: 1225866.8/68

In: 186.775+/-0.021 χ^2/NDF:1018043.1/54

Out: 187.335+/-0.021 χ^2/NDF:1189982.3/61

All: 187.063+/-0.015 χ^2/NDF: 2208375.7/116



Right In: -2674.317+/-620.985 χ^2/NDF: 39.5/31

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 1500.558+/-639.312 χ^2/NDF: 34.5/36

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

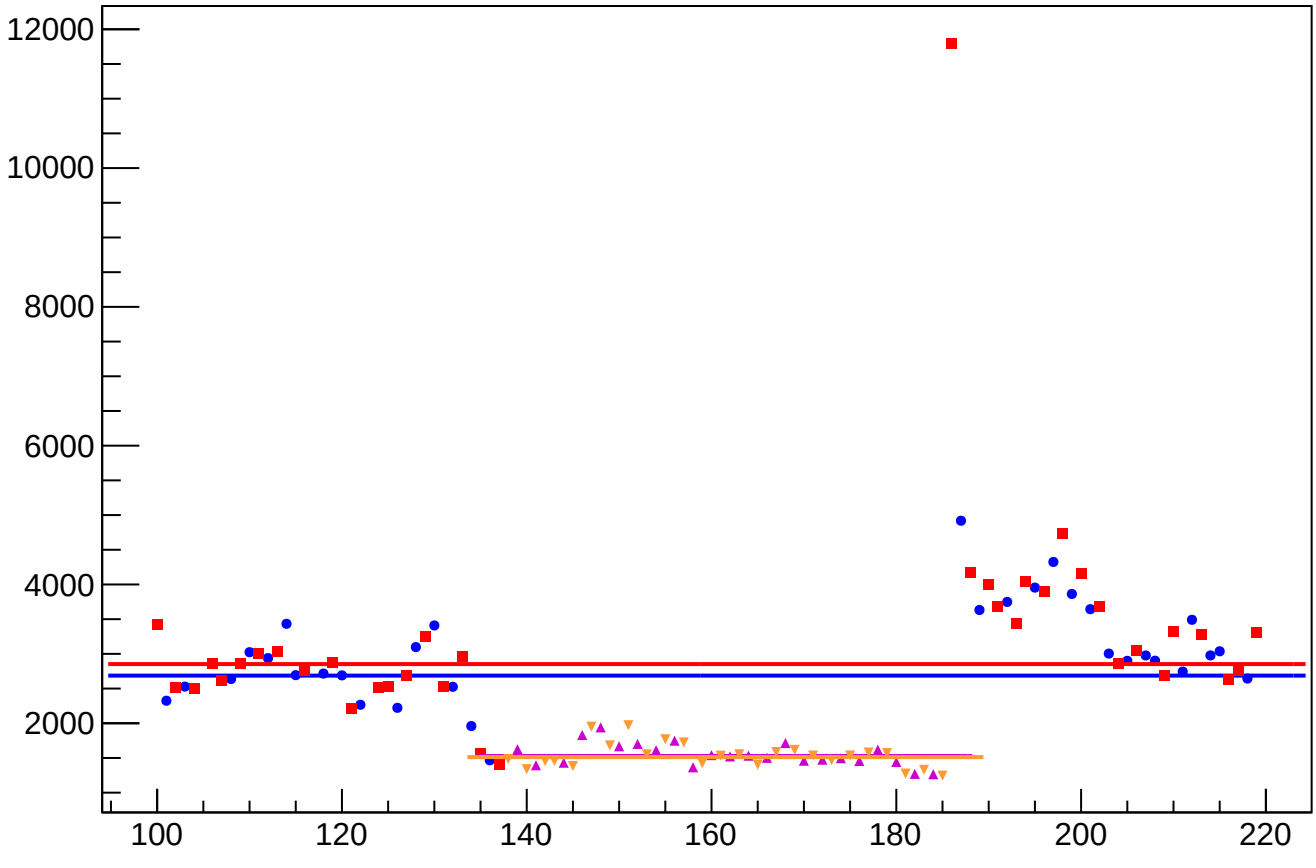
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -647.578+/-445.441 χ^2/NDF: 95.9/68

In: -700.075+/-310.972 χ^2/NDF:87.4/54

Out: -216.633+/-304.549 χ^2/NDF:82.1/61

All: -453.310+/-217.584 χ^2/NDF: 170.7/116



Right In: 2686.681+/-0.439 χ^2/NDF: 2696181.5/31

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2852.728+/-0.452 χ^2/NDF: 3018171.4/36

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

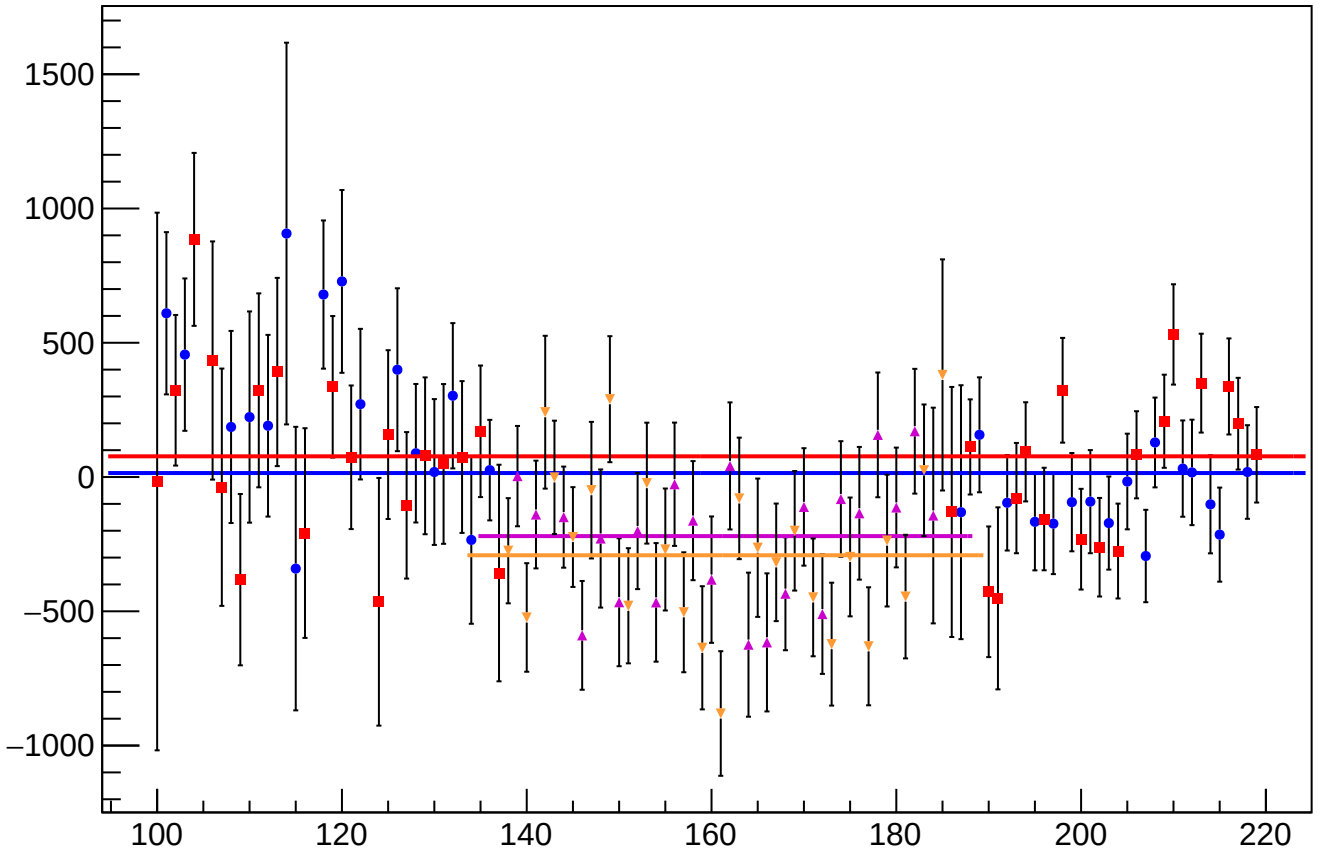
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2767.290+/-0.315 χ^2/NDF: 5783772.9/68

In: 1818.539+/-0.220 χ^2/NDF:8287209.6/54

Out: 1816.531+/-0.215 χ^2/NDF:10256974.3/61

All: 1817.514+/-0.154 χ^2/NDF: 18544226.4/



Right In: 14.852+/-39.557 χ^2/NDF: 34.2/31

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 77.121+/-38.738 χ^2/NDF: 47.9/36

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

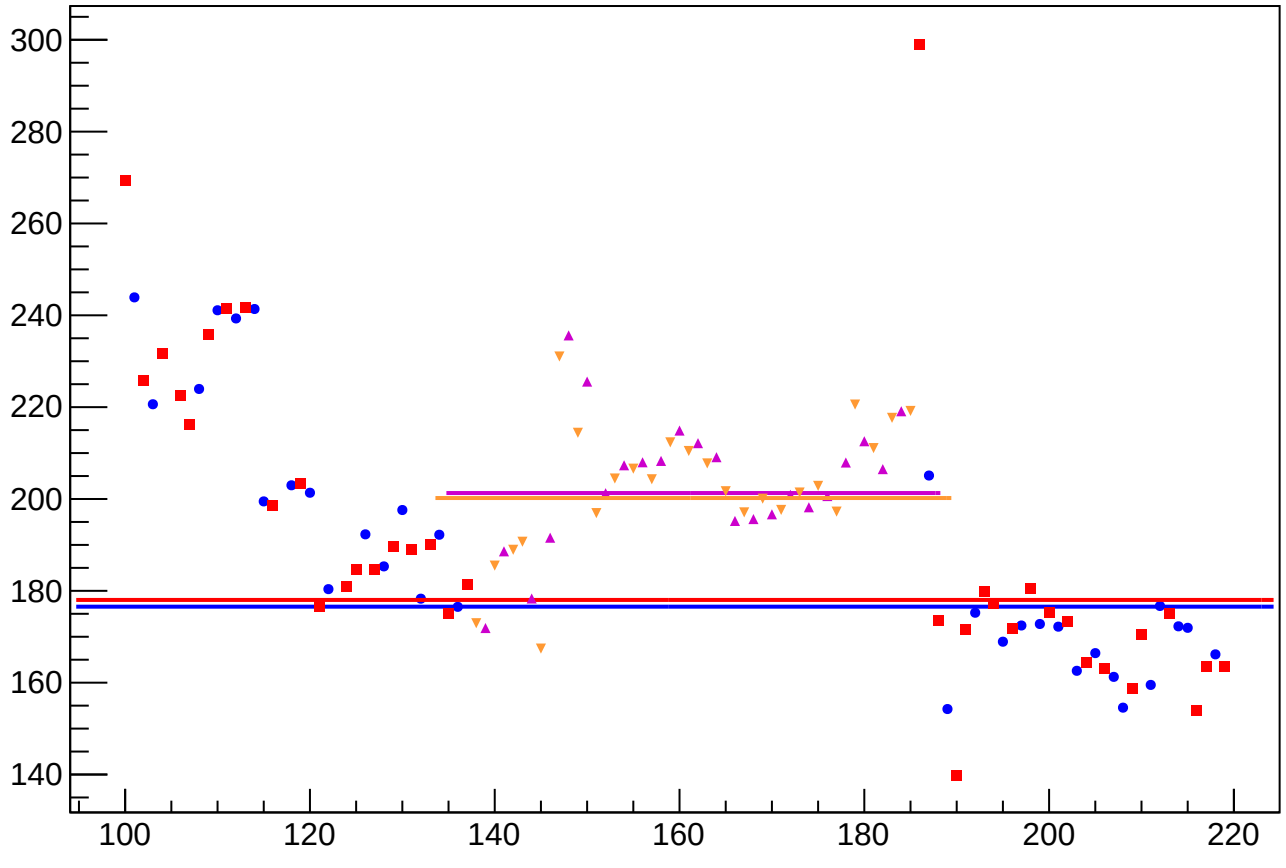
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 46.638+/-27.677 χ^2/NDF: 83.3/68

In: -82.169+/-30.304 χ^2/NDF:72.5/54

Out: -77.263+/-29.527 χ^2/NDF:122.1/61

All: -79.652+/-21.148 χ^2/NDF: 194.6/116



Right In: 176.552+/-0.028 χ^2/NDF: 513053.8/31

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 178.018+/-0.027 χ^2/NDF: 707560.0/36

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

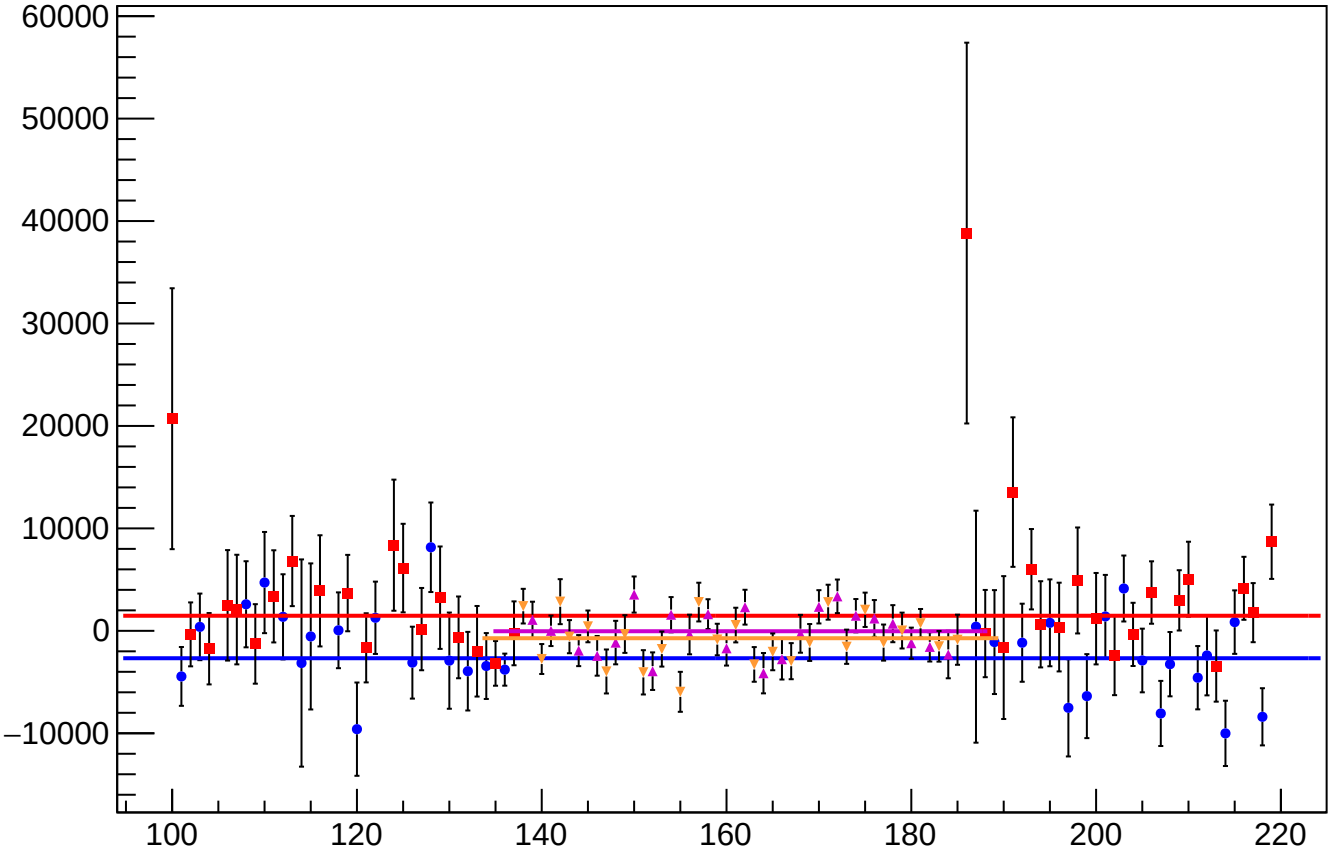
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 177.300+/-0.020 χ^2/NDF: 1222016.1/68

In: 186.775+/-0.021 χ^2/NDF:1018043.6/54

Out: 187.317+/-0.021 χ^2/NDF:1186986.1/61

All: 187.053+/-0.015 χ^2/NDF: 2205357.3/116



Right In: -2674.306+/-620.985 χ^2/NDF: 39.5/31

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 1472.157+/-639.870 χ^2/NDF: 34.2/36

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

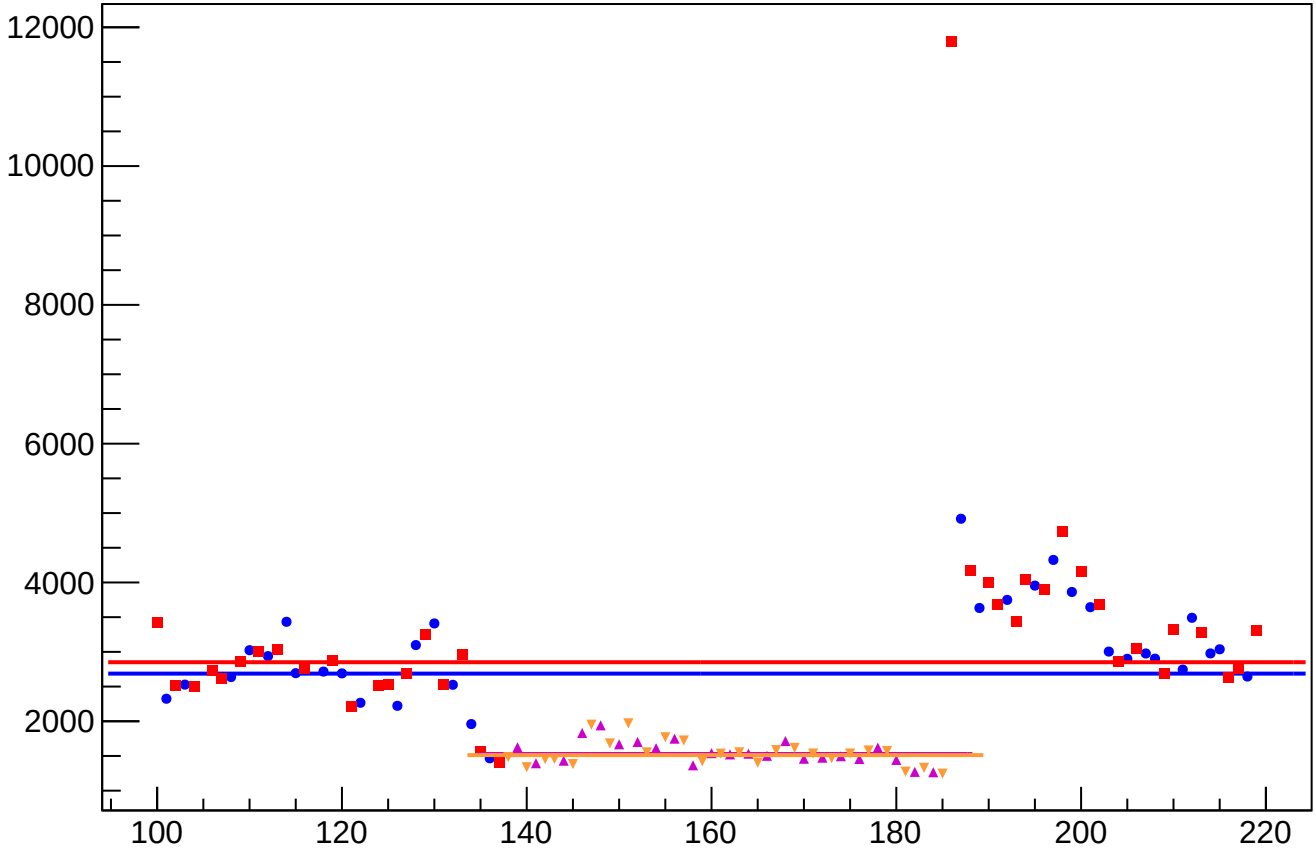
Right: -663.167+/-445.630 χ^2/NDF: 95.3/68

In: -700.070+/-310.972 χ^2/NDF:87.4/54

Out: -223.753+/-304.610 χ^2/NDF:81.6/61

All: -456.989+/-217.606 χ^2/NDF: 170.2/116

asym_sam_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 2686.684+/-0.439 χ^2/NDF: 2696174.0/31

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2850.835+/-0.452 χ^2/NDF: 3019014.5/36

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

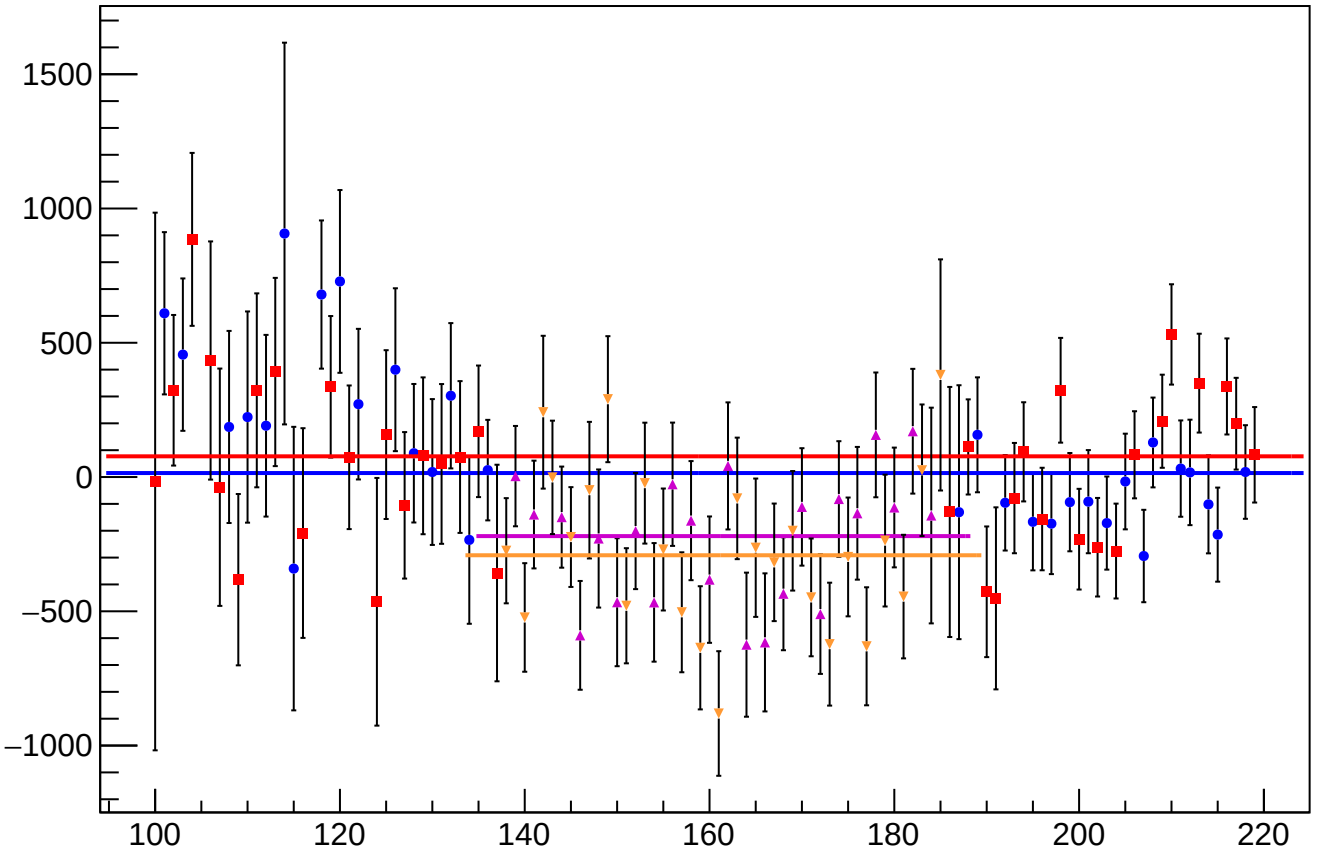
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2766.301+/-0.315 χ^2/NDF: 5782971.1/68

In: 1818.540+/-0.220 χ^2/NDF:8287217.9/54

Out: 1815.692+/-0.215 χ^2/NDF:10229484.4/61

All: 1817.087+/-0.154 χ^2/NDF: 18516787.9/1



Right In: 14.852+/-39.557 χ^2/NDF: 34.2/31

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 77.121+/-38.738 χ^2/NDF: 47.9/36

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

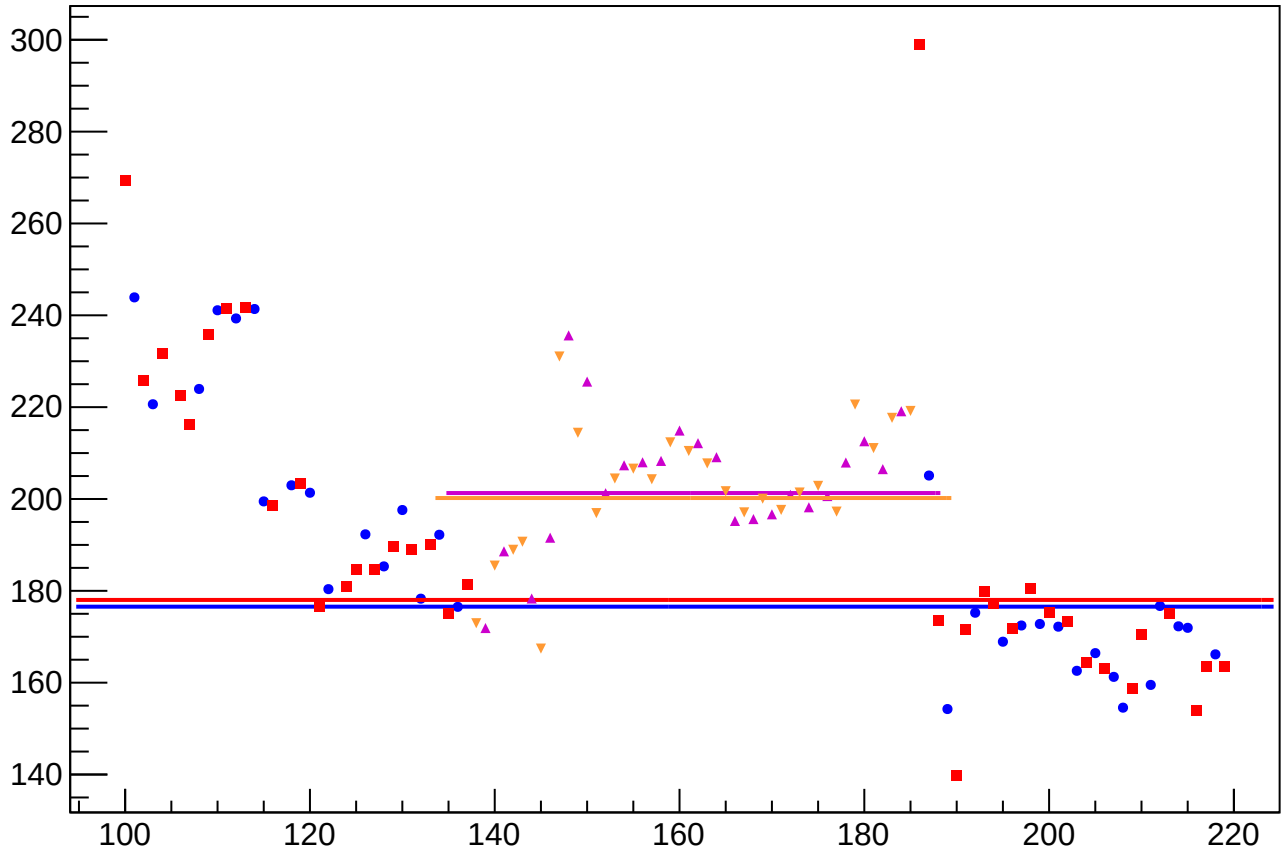
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 46.638+/-27.677 χ^2/NDF: 83.3/68

In: -82.169+/-30.304 χ^2/NDF:72.5/54

Out: -77.263+/-29.527 χ^2/NDF:122.1/61

All: -79.652+/-21.148 χ^2/NDF: 194.6/116



Right In: 176.552+/-0.028 χ^2/NDF: 513053.8/31

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 178.018+/-0.027 χ^2/NDF: 707560.0/36

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

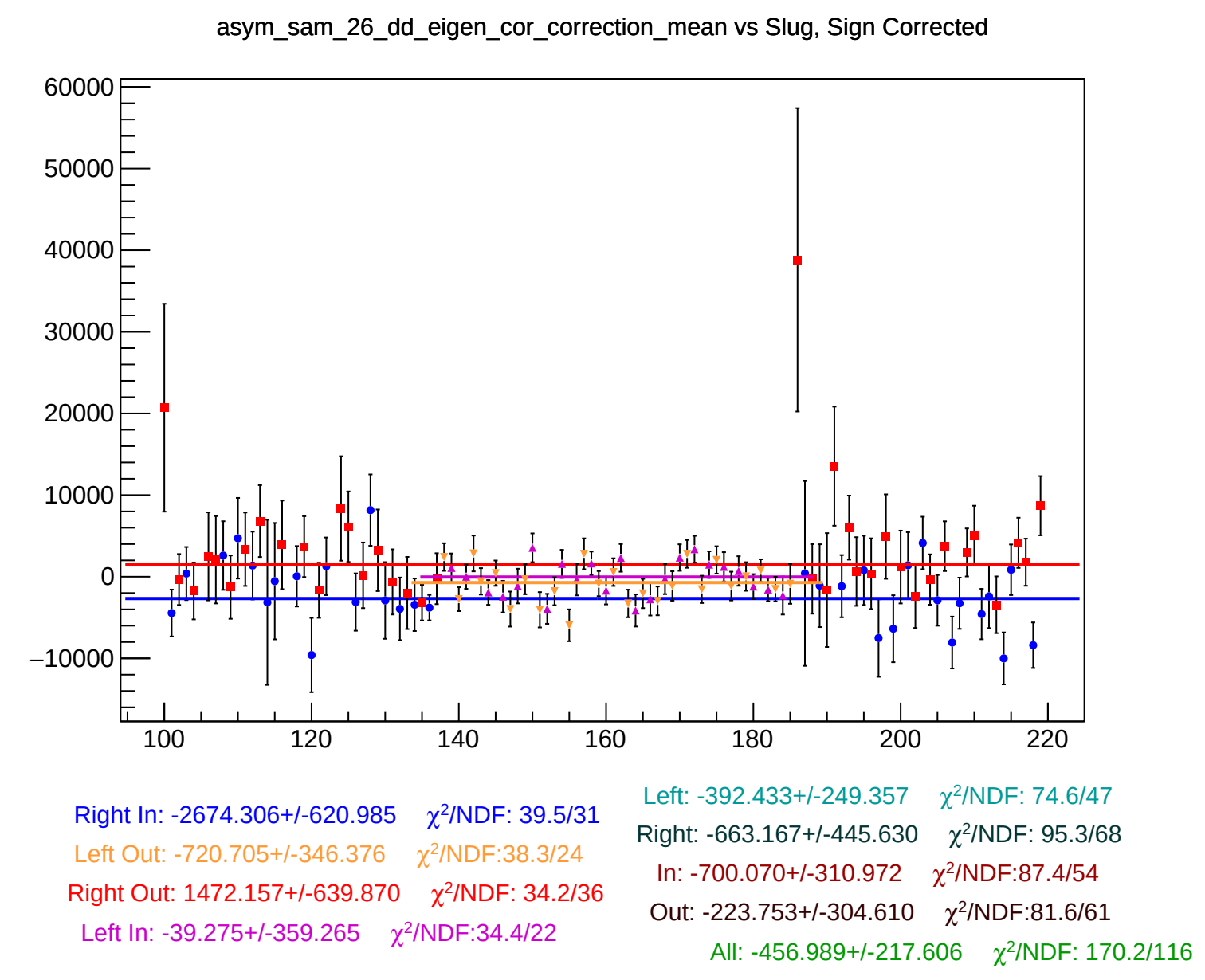
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 177.300+/-0.020 χ^2/NDF: 1222016.1/68

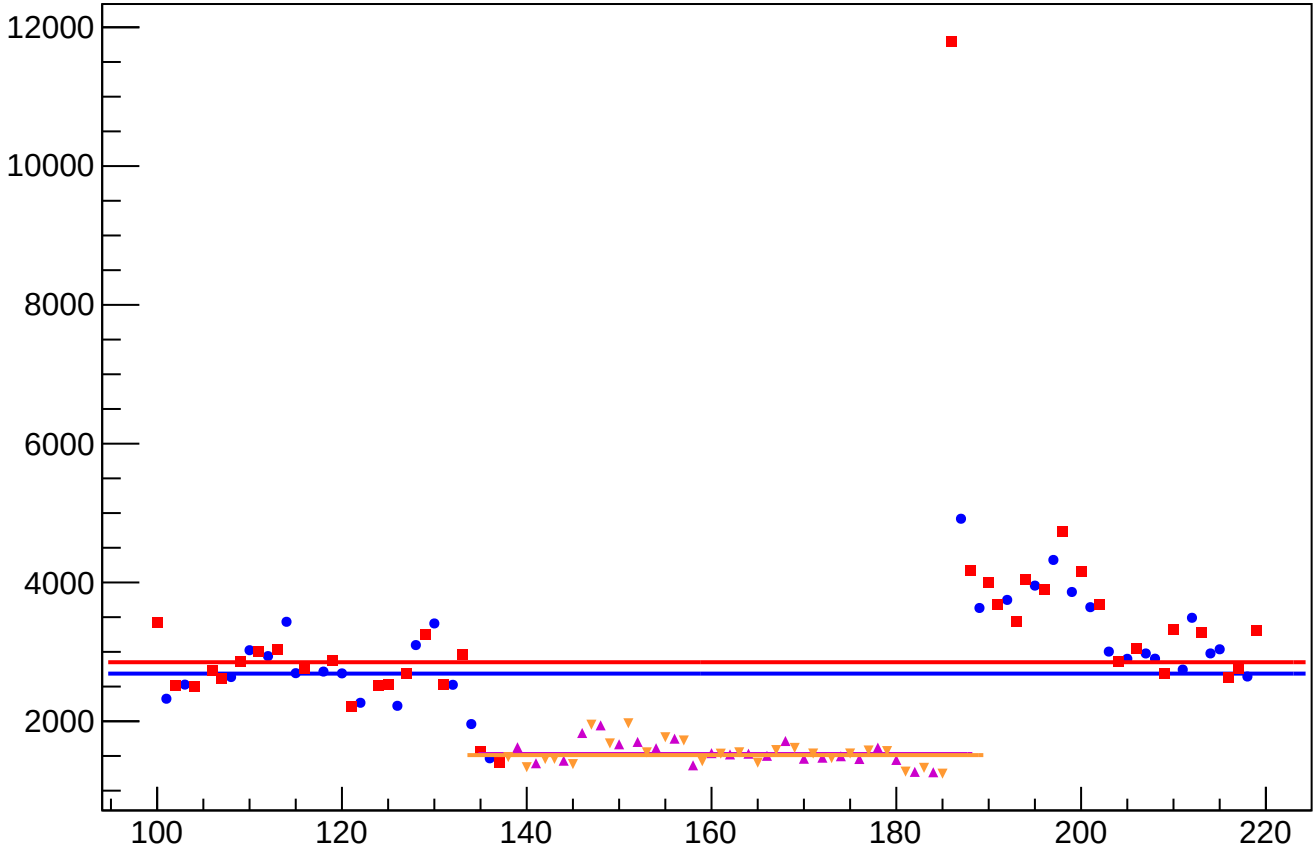
In: 186.775+/-0.021 χ^2/NDF:1018043.6/54

Out: 187.317+/-0.021 χ^2/NDF:1186986.1/61

All: 187.053+/-0.015 χ^2/NDF: 2205357.3/116


asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
220
Right In: -2674.306+/-620.985 χ²/NDF: 39.5/31
Left Out: -720.705+/-346.376 χ²/NDF:38.3/24
Right Out: 1472.157+/-639.870 χ²/NDF: 34.2/36
Left In: -39.275+/-359.265 χ²/NDF:34.4/22
Left: -392.433+/-249.357 χ²/NDF: 74.6/47
Right: -663.167+/-445.630 χ²/NDF: 95.3/68
In: -700.070+/-310.972 χ²/NDF:87.4/54
Out: -223.753+/-304.610 χ²/NDF:81.6/61
All: -456.989+/-217.606 χ²/NDF: 170.2/116

asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2686.684+/-0.439 χ^2/NDF: 2696174.0/31

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2850.835+/-0.452 χ^2/NDF: 3019014.5/36

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

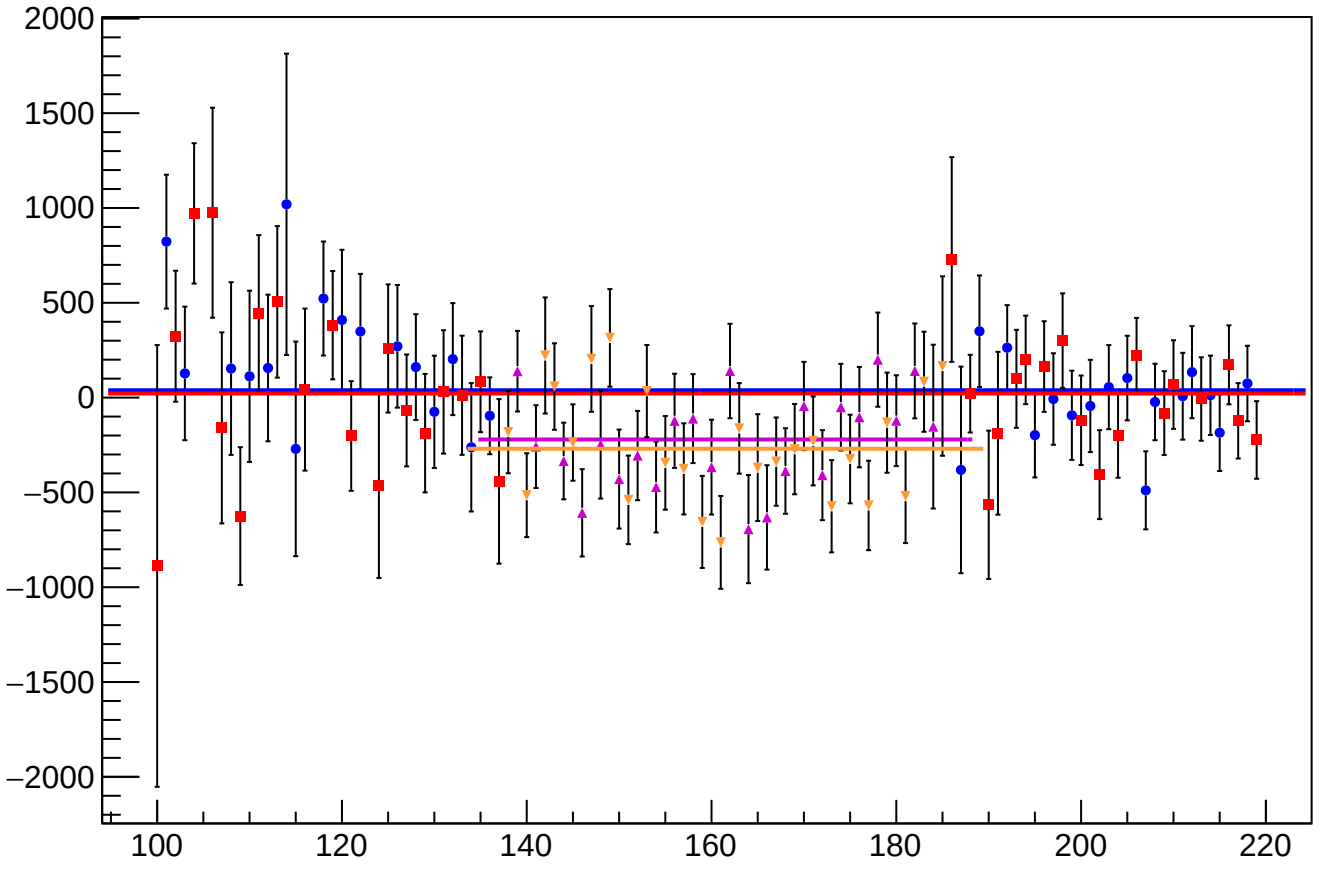
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2766.301+/-0.315 χ^2/NDF: 5782971.1/68

In: 1818.540+/-0.220 χ^2/NDF:8287217.9/54

Out: 1815.692+/-0.215 χ^2/NDF:10229484.4/61

All: 1817.087+/-0.154 χ^2/NDF: 18516787.9/1



Right In: 38.654+/-47.198 χ^2/NDF: 26.5/31

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 21.498+/-46.334 χ^2/NDF: 37.1/36

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

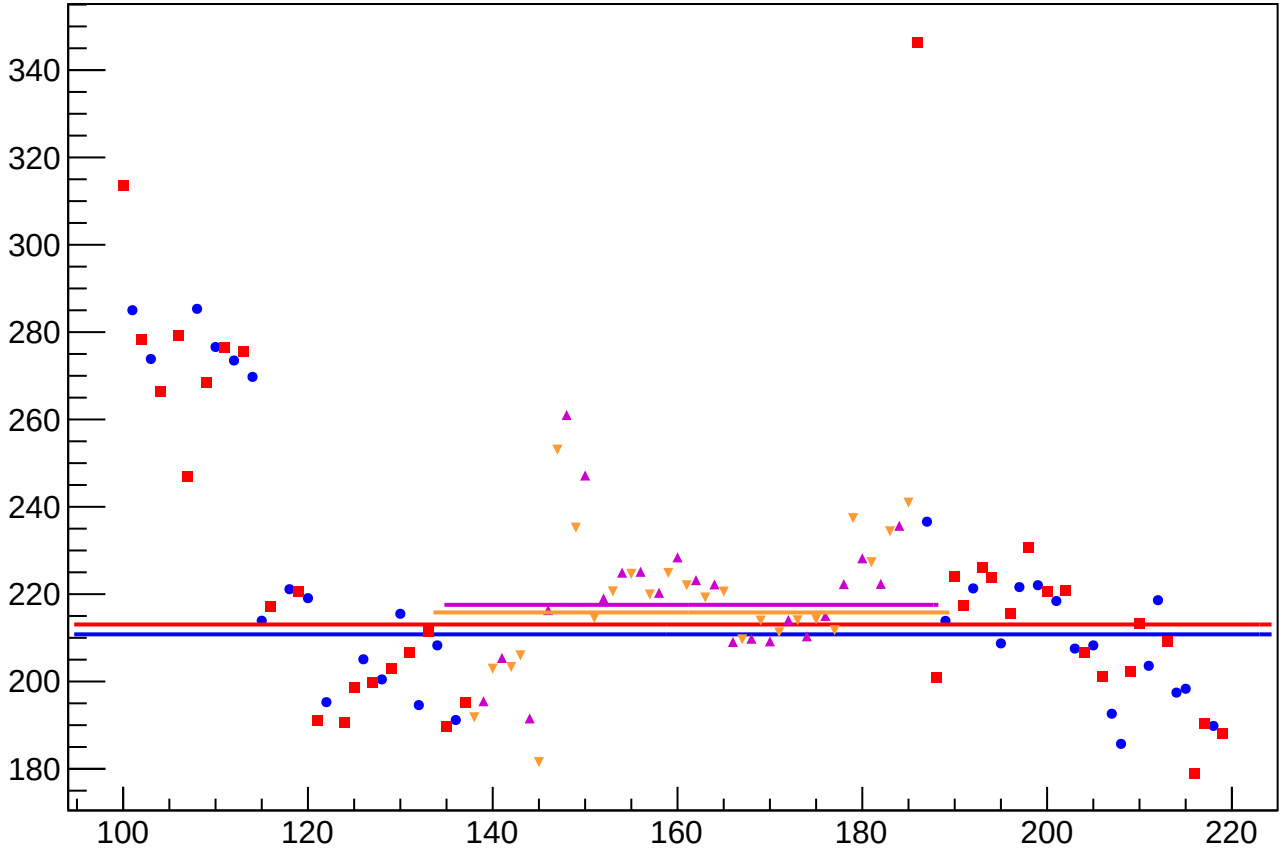
Right: 29.917+/-33.064 χ^2/NDF: 63.7/68

In: -81.213+/-34.626 χ^2/NDF:63.9/54

Out: -115.487+/-33.717 χ^2/NDF:87.1/61

All: -98.806+/-24.157 χ^2/NDF: 151.5/116

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 210.794+/-0.033 χ^2/NDF: 458663.5/31

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 213.055+/-0.033 χ^2/NDF: 631983.6/36

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

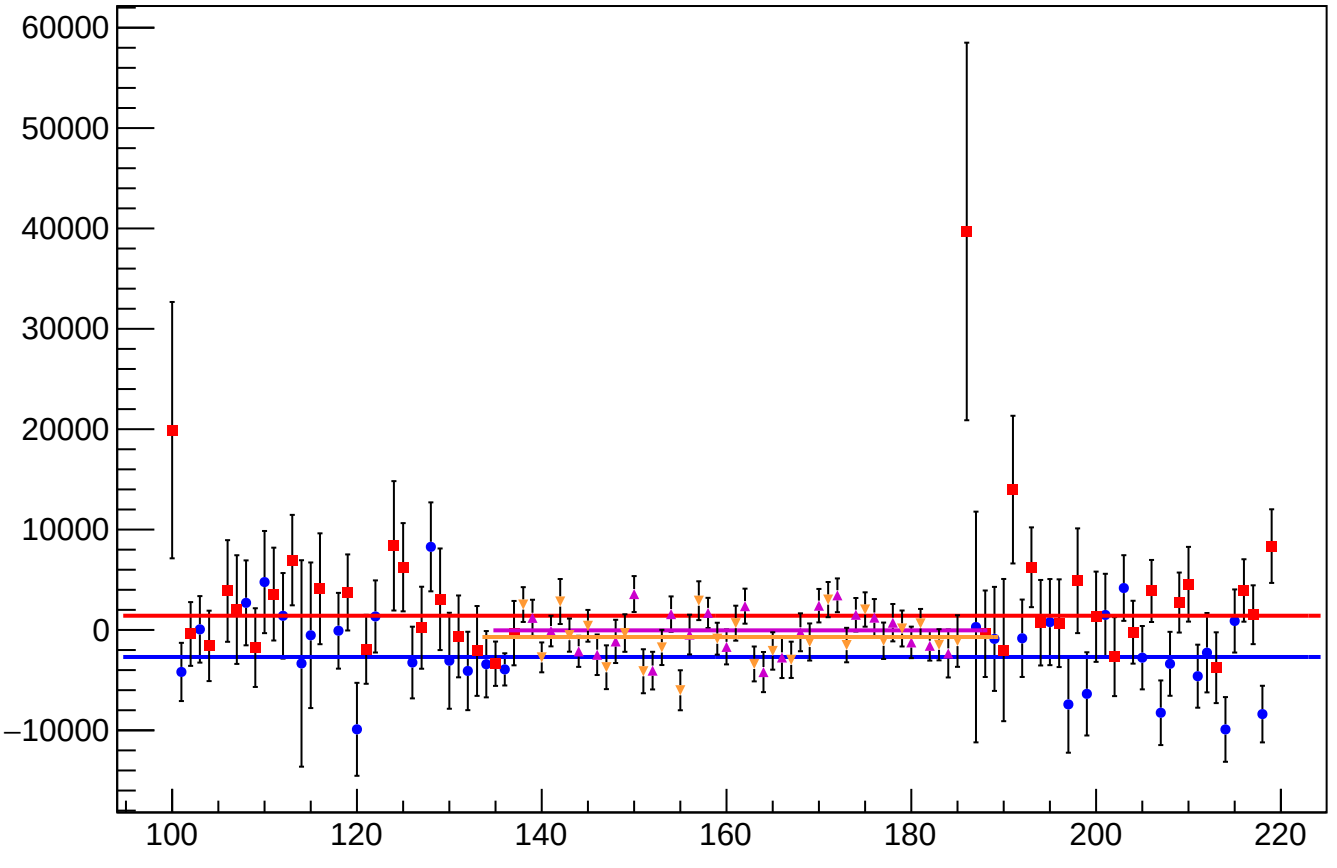
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 211.945+/-0.023 χ^2/NDF: 1092984.7/68

In: 213.916+/-0.024 χ^2/NDF:638682.3/54

Out: 214.349+/-0.024 χ^2/NDF:824001.9/61

All: 214.138+/-0.017 χ^2/NDF: 1462845.1/116



Right In: -2694.248+/-631.706 χ^2/NDF: 38.9/31

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1416.346+/-648.612 χ^2/NDF: 34.5/36

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

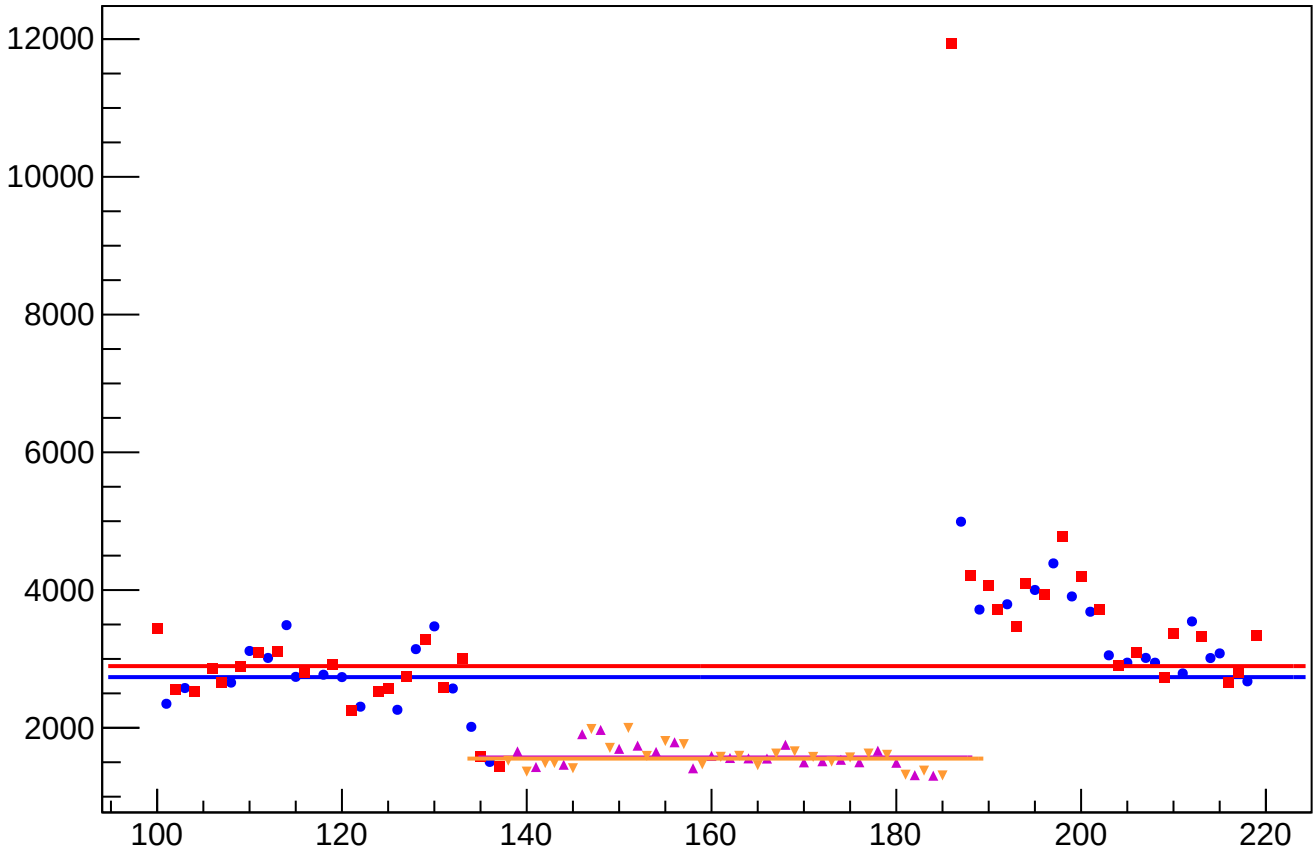
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

Right: -693.219+/-452.542 χ^2/NDF: 94.0/68

In: -714.653+/-318.542 χ^2/NDF:86.4/54

Out: -214.269+/-311.720 χ^2/NDF:80.3/61

All: -459.045+/-222.792 χ^2/NDF: 168.0/116



Right In: 2736.026+/-0.447 χ^2/NDF: 2627915.2/31

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2895.823+/-0.459 χ^2/NDF: 2976730.2/36

Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

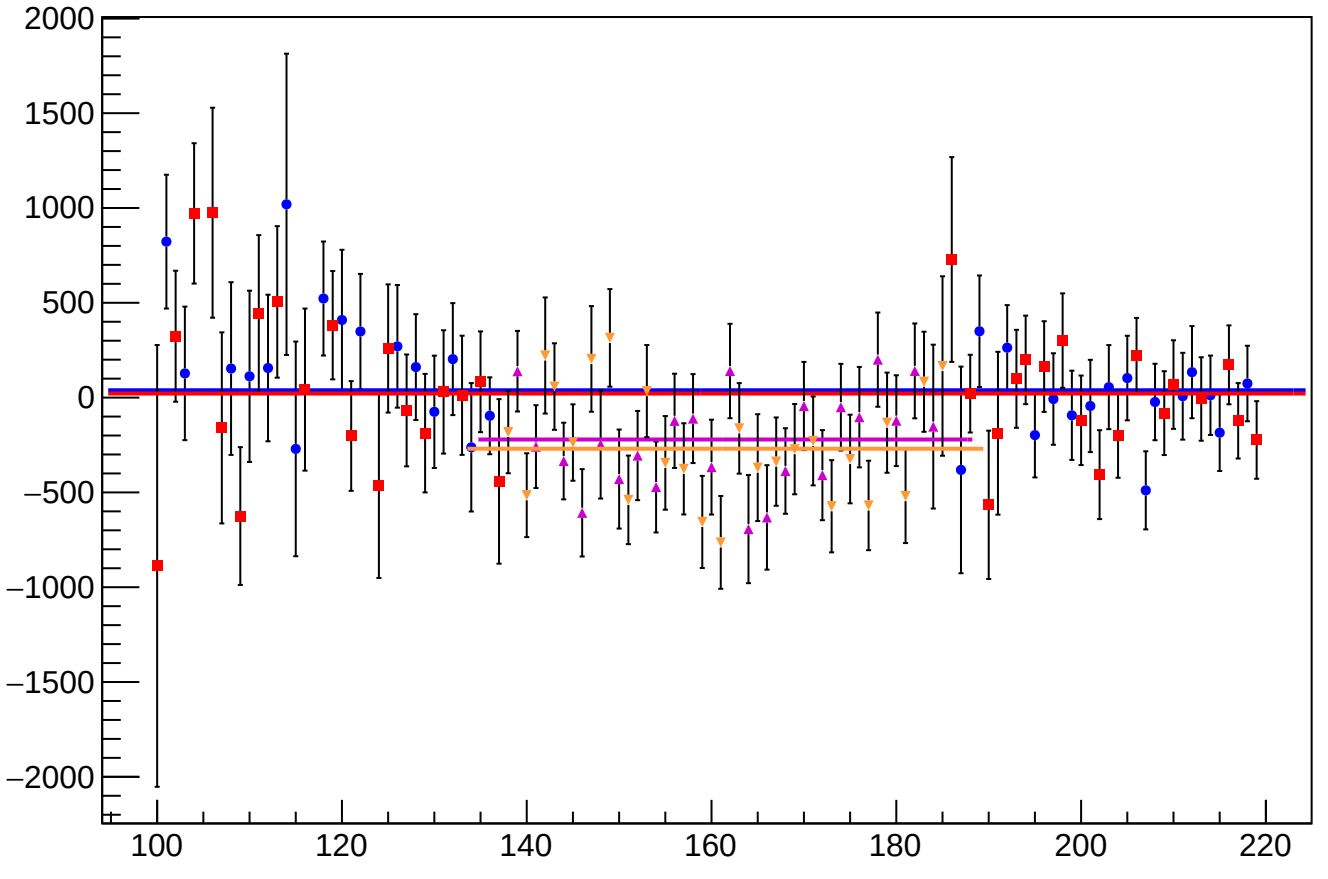
Left: 1560.898+/-0.181 χ^2/NDF: 769456.5/47

Right: 2813.815+/-0.320 χ^2/NDF: 5666944.8/68

In: 1866.031+/-0.225 χ^2/NDF:8072310.4/54

Out: 1863.169+/-0.220 χ^2/NDF:9978820.5/61

All: 1864.569+/-0.158 χ^2/NDF: 18051213.4/1



Right In: 38.658+/-47.198 χ^2/NDF: 26.5/31

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: 21.496+/-46.334 χ^2/NDF: 37.1/36

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

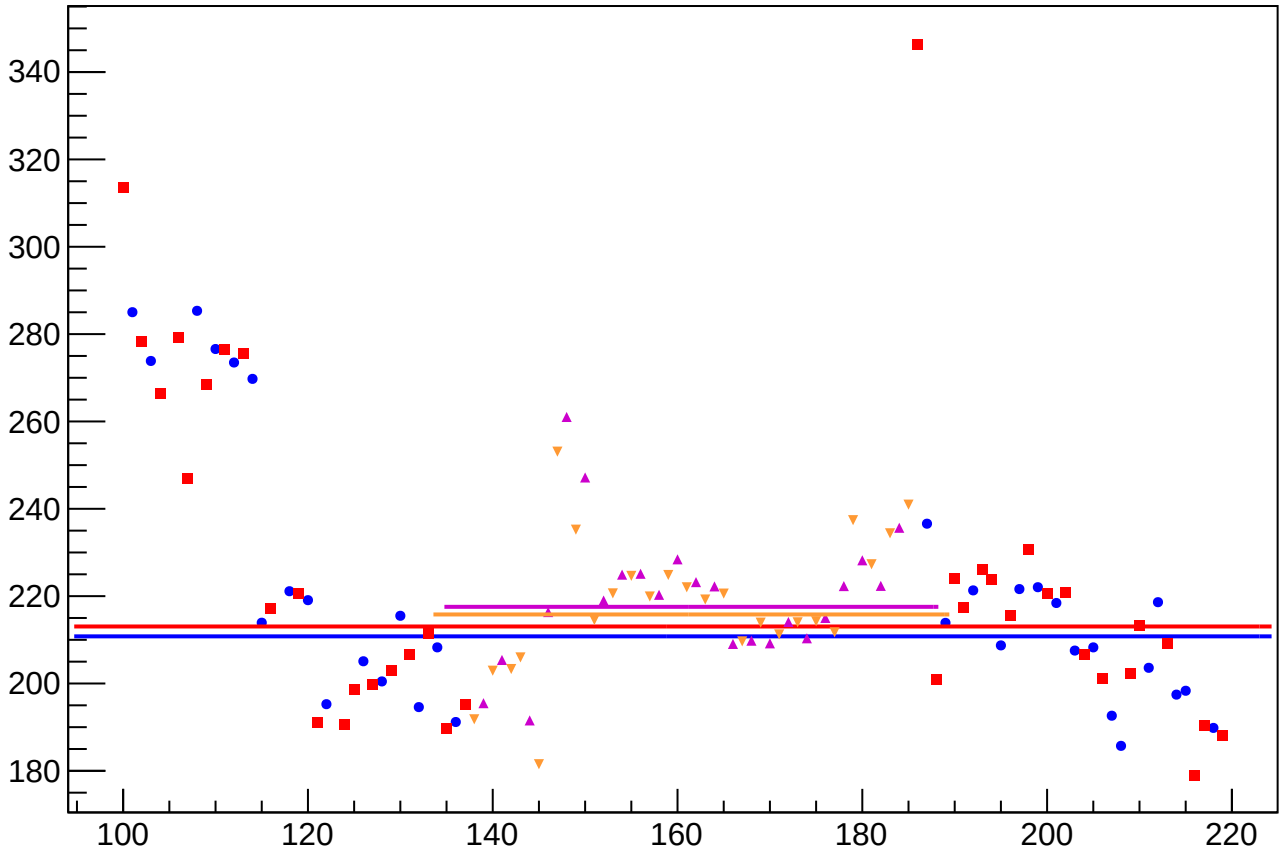
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 29.918+/-33.064 χ^2/NDF: 63.7/68

In: -81.211+/-34.626 χ^2/NDF:63.9/54

Out: -115.489+/-33.717 χ^2/NDF:87.1/61

All: -98.806+/-24.157 χ^2/NDF: 151.5/116


eigen_dit_asym_sam_26_dd_rms vs Slug, Sign Corrected
340
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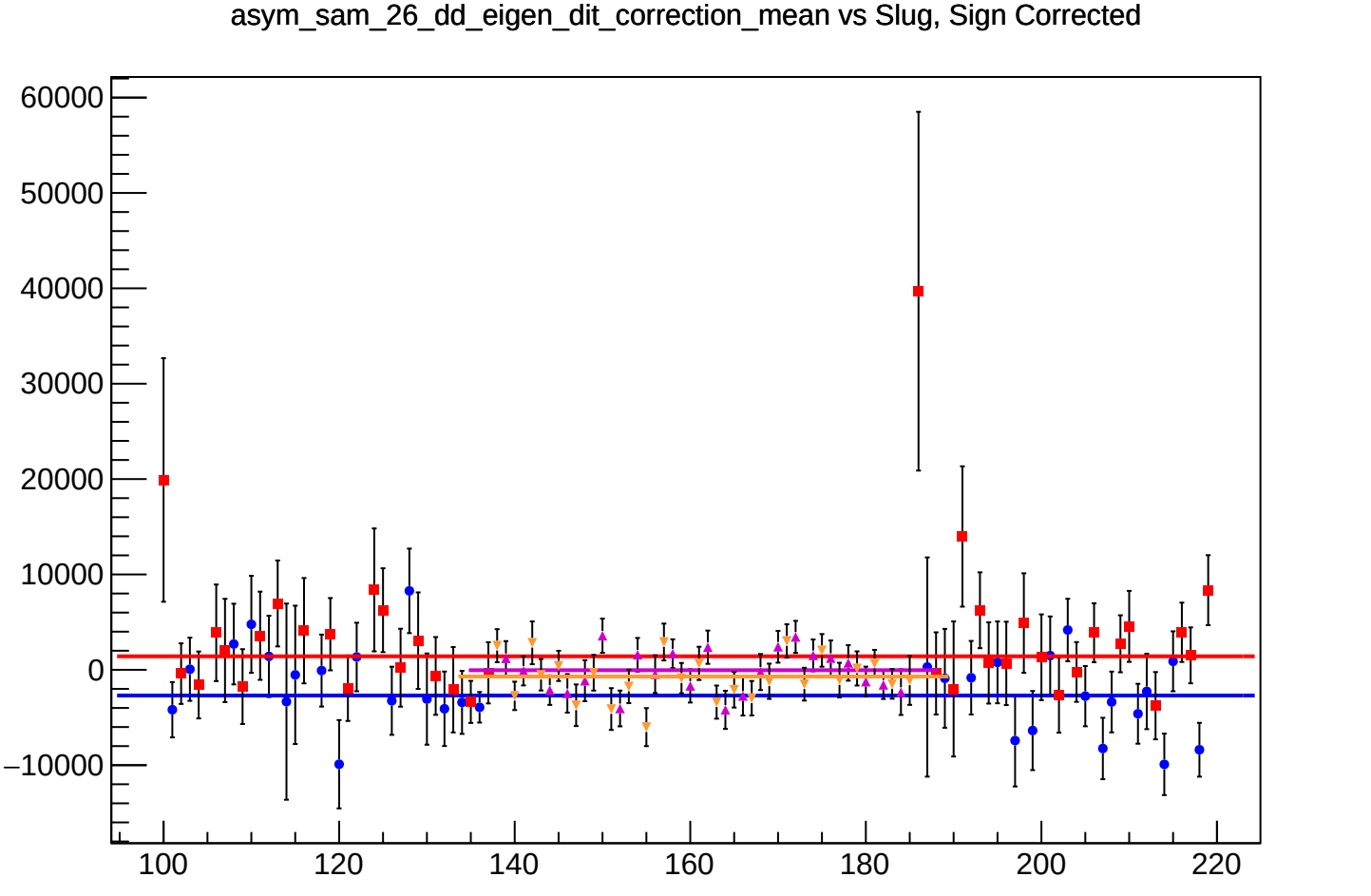
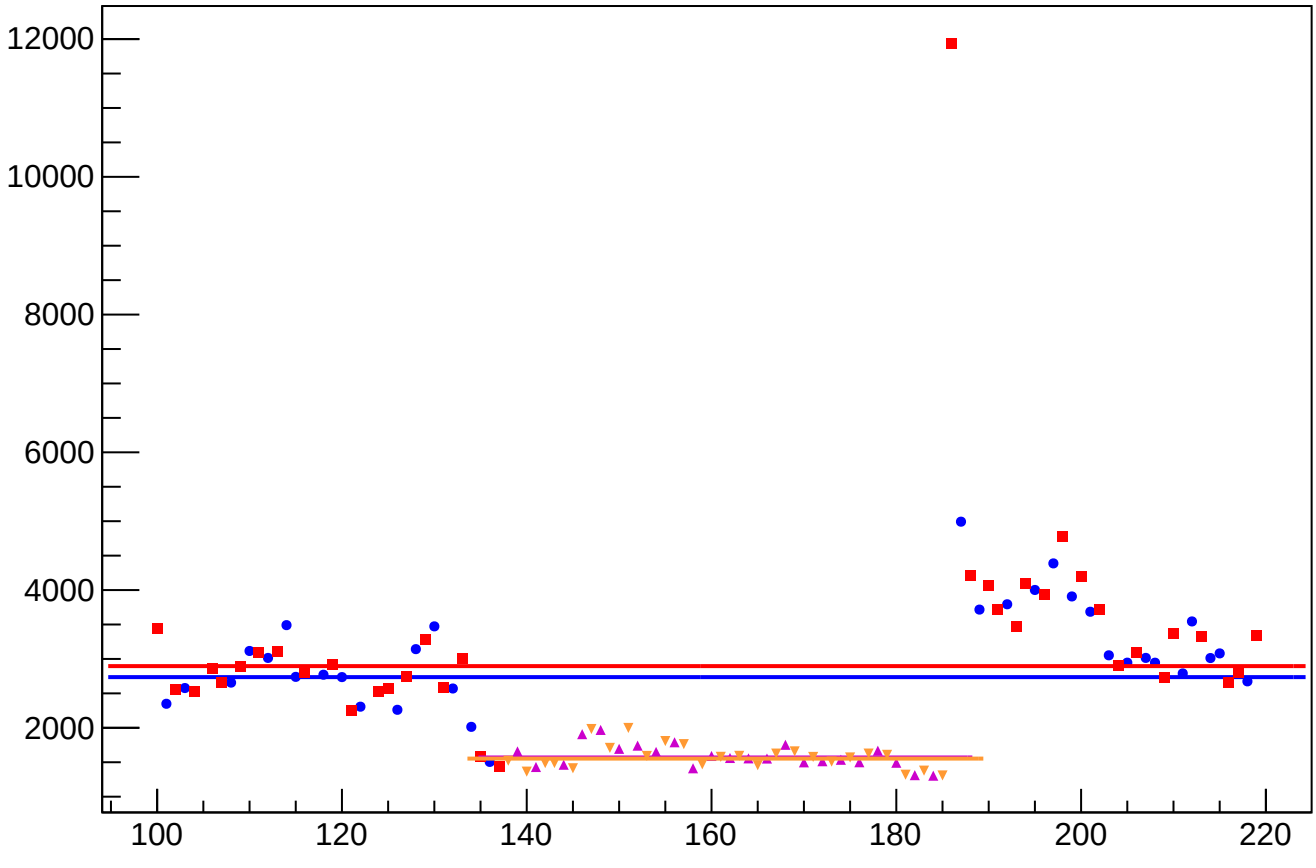
180
200
220
Right In: 210.793+/-0.033 χ²/NDF: 458653.2/31
Left Out: 215.806+/-0.035 χ²/NDF:188703.4/24
Right Out: 213.054+/-0.033 χ²/NDF: 631962.2/36
Left In: 217.555+/-0.036 χ²/NDF:161069.0/22
Left: 216.649+/-0.025 χ²/NDF: 350991.6/47
Right: 211.945+/-0.023 χ²/NDF: 1092953.4/68
In: 213.915+/-0.024 χ²/NDF:638675.6/54
Out: 214.349+/-0.024 χ²/NDF:823985.1/61
All: 214.138+/-0.017 χ²/NDF: 1462821.8/116


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: -2694.245+/-631.706 χ²/NDF: 38.9/31
Left Out: -704.012+/-355.462 χ²/NDF:37.6/24
Right Out: 1416.343+/-648.611 χ²/NDF: 34.5/36
Left In: -39.657+/-368.873 χ²/NDF:34.3/22
Left: -384.131+/-255.960 χ²/NDF: 73.6/47
Right: -693.219+/-452.542 χ²/NDF: 94.0/68
In: -714.653+/-318.542 χ²/NDF:86.4/54
Out: -214.269+/-311.720 χ²/NDF:80.3/61
All: -459.045+/-222.792 χ²/NDF: 168.0/116



Right In: 2736.024+/-0.447 χ^2/NDF: 2627914.2/31

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2895.820+/-0.459 χ^2/NDF: 2976732.5/36

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

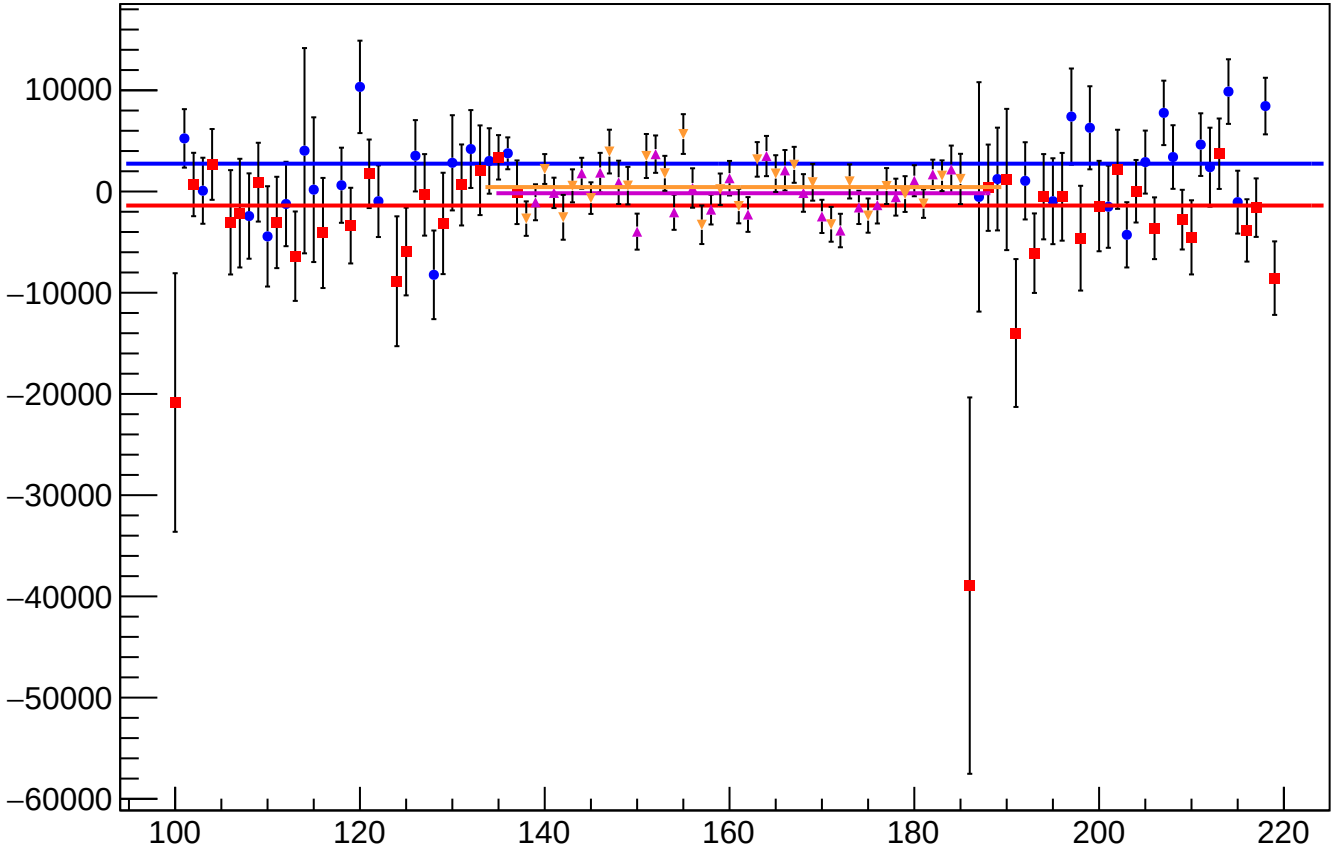
Right: 2813.812+/-0.320 χ^2/NDF: 5666946.2/68

In: 1866.031+/-0.225 χ^2/NDF:8072299.2/54

Out: 1863.169+/-0.220 χ^2/NDF:9978807.1/61

All: 1864.569+/-0.158 χ^2/NDF: 18051188.7/1

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2750.471+/-623.004 χ^2/NDF: 39.4/31

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: -1384.795+/-641.169 χ^2/NDF: 34.3/36

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

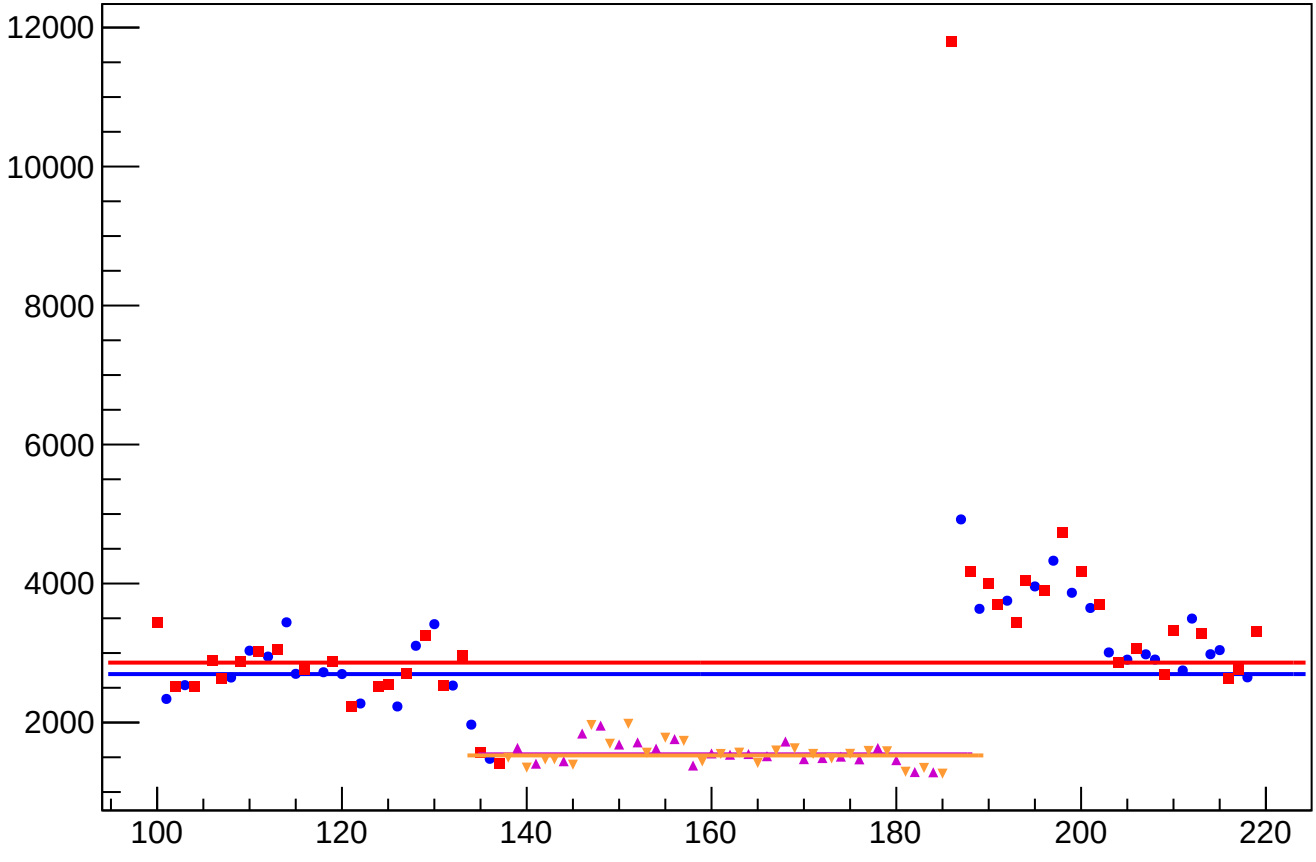
Right: 742.248+/-446.814 χ^2/NDF: 95.1/68

In: 568.951+/-313.353 χ^2/NDF:88.8/54

Out: 19.938+/-306.925 χ^2/NDF:79.4/61

All: 288.756+/-219.266 χ^2/NDF: 169.8/116

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2697.000+/-0.441 χ^2/NDF: 2654416.2/31

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2862.087+/-0.453 χ^2/NDF: 2984715.5/36

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

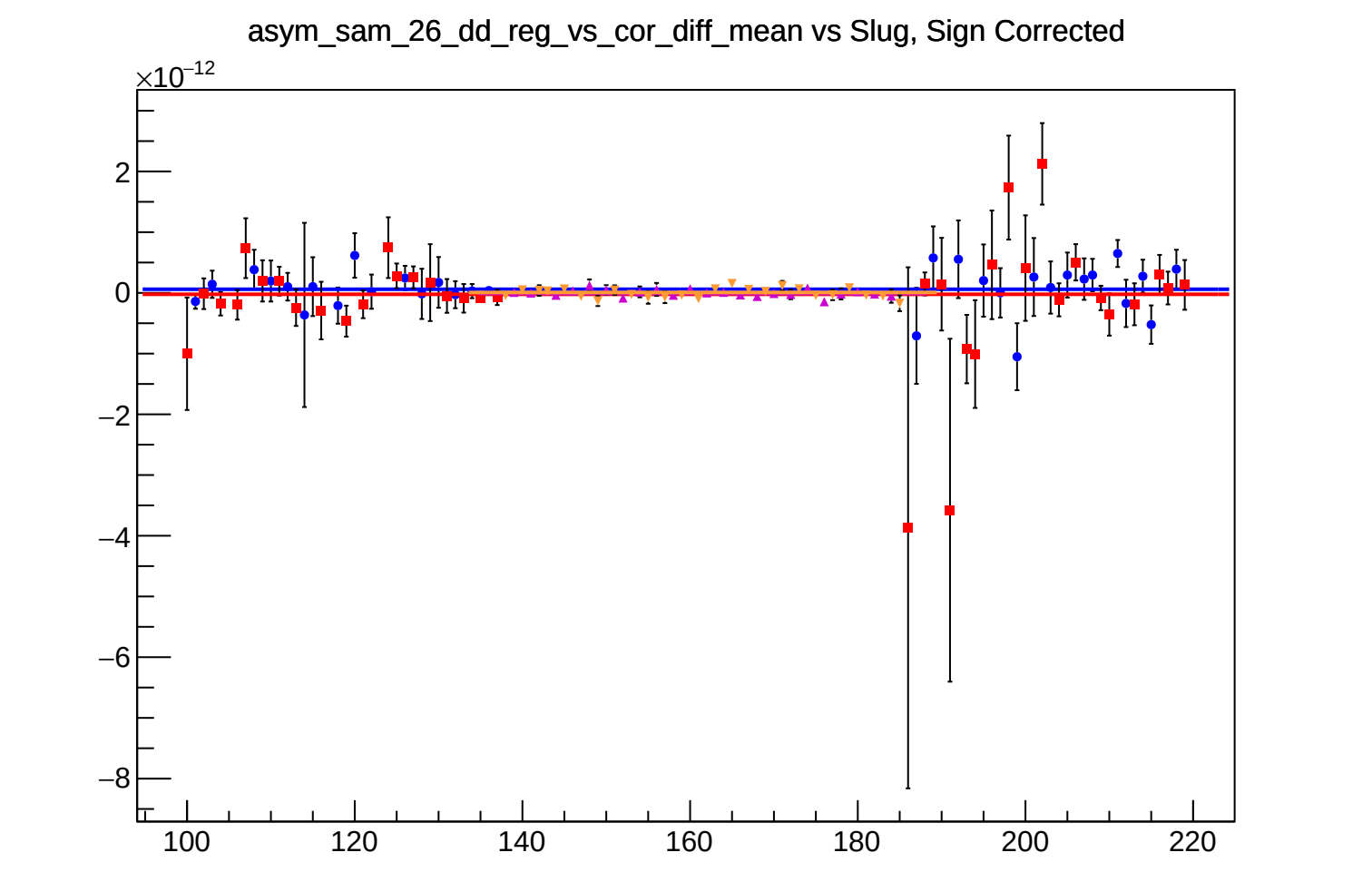
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2777.172+/-0.316 χ^2/NDF: 5707331.2/68

In: 1834.388+/-0.222 χ^2/NDF:8149428.6/54

Out: 1832.724+/-0.217 χ^2/NDF:10101498.6/61

All: 1833.539+/-0.155 χ^2/NDF: 18250956.0/1



Right In: 0.000+/-0.000 χ^2/NDF: 29.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.3/36

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

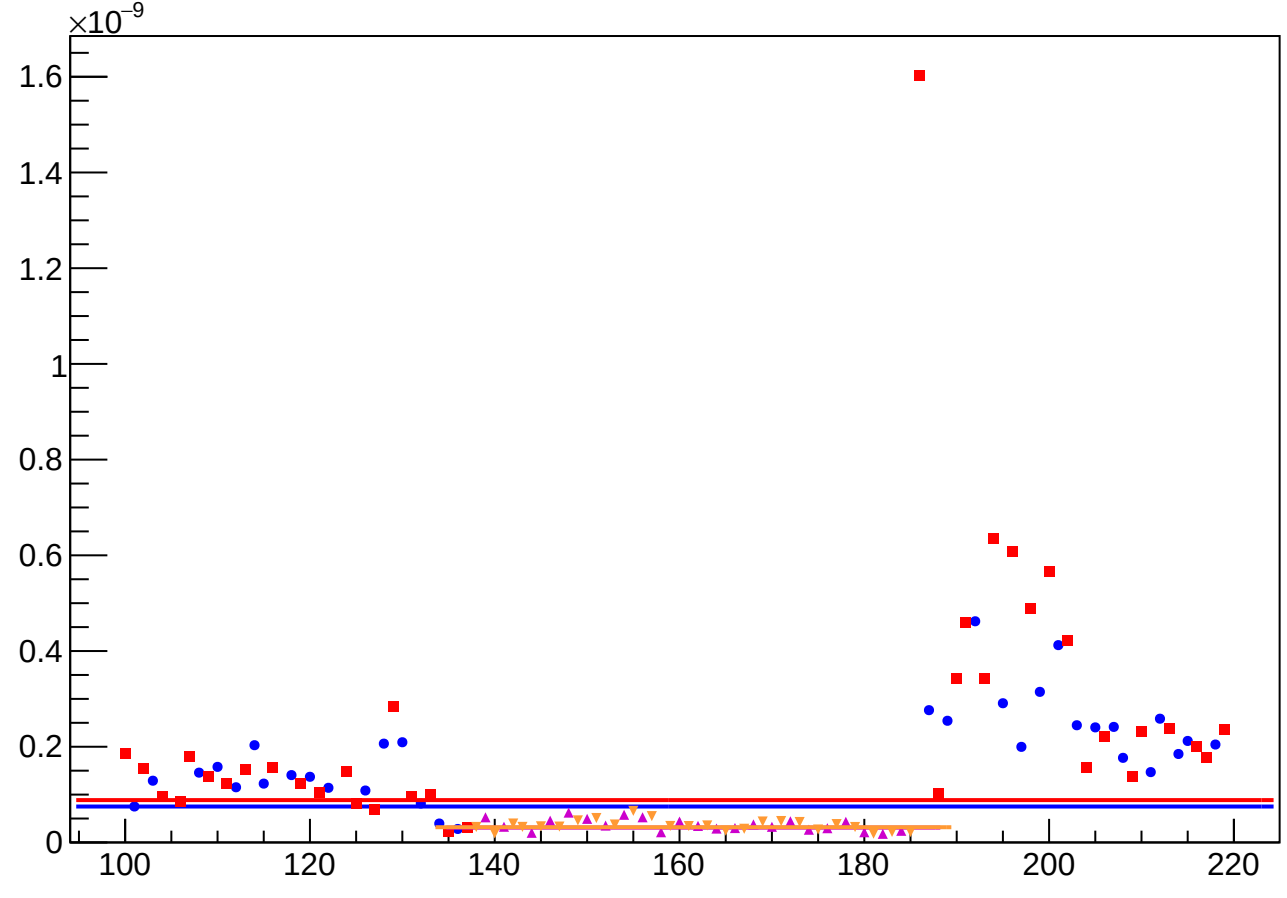
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 78.3/68

In: -0.000+/-0.000 χ^2/NDF:50.1/54

Out: 0.000+/-0.000 χ^2/NDF:77.6/61

All: 0.000+/-0.000 χ^2/NDF: 127.8/116



Right In: 0.000+/-0.000 χ^2/NDF: 8948928.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9125633.5/36

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

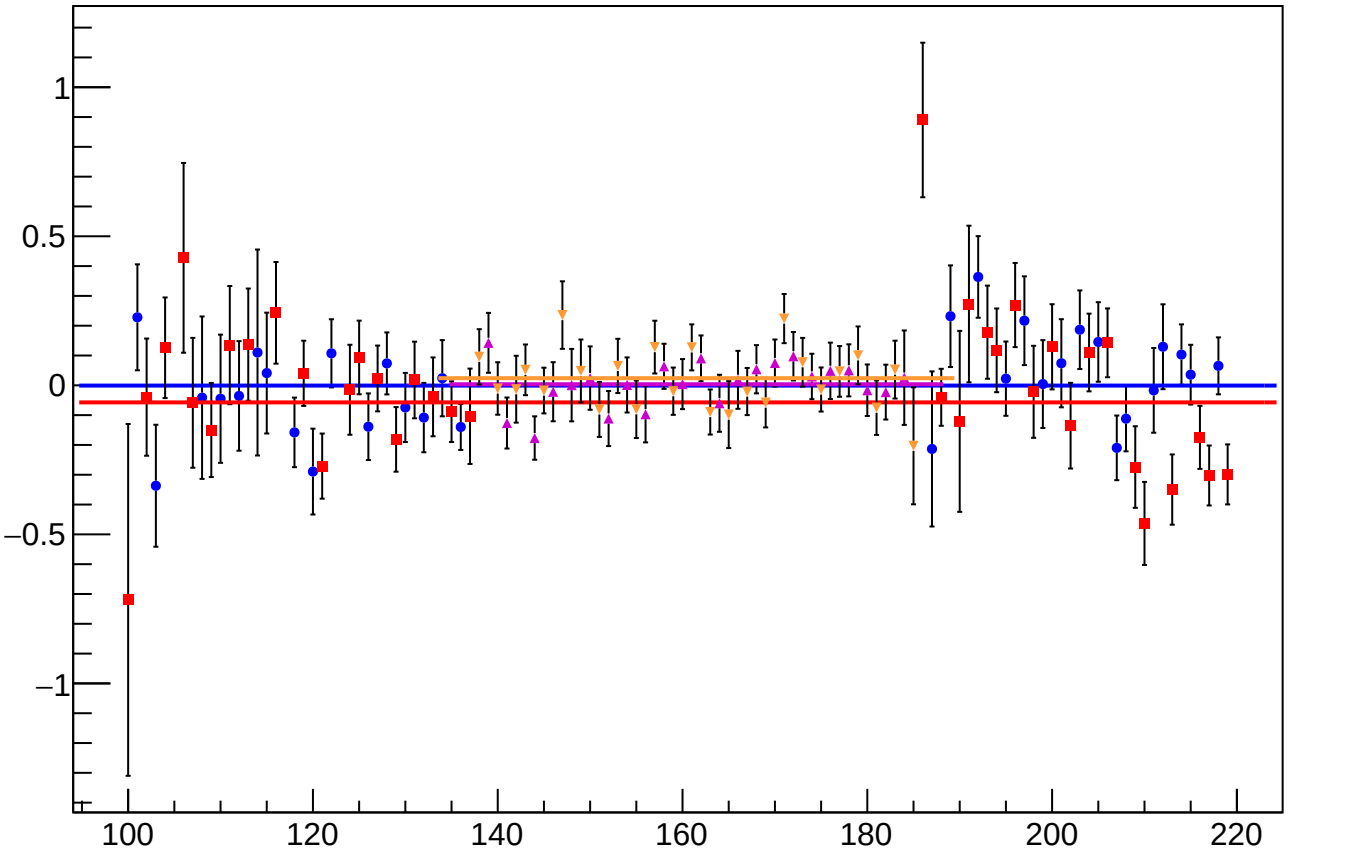
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 18210783.5/68

In: 0.000+/-0.000 χ^2/NDF:13525208.8/54

Out: 0.000+/-0.000 χ^2/NDF:14260825.8/61

All: 0.000+/-0.000 χ^2/NDF: 27788036.1/116



Right In: -0.001+/-0.023 χ^2/NDF: 40.4/31

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.057+/-0.023 χ^2/NDF: 79.8/36

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

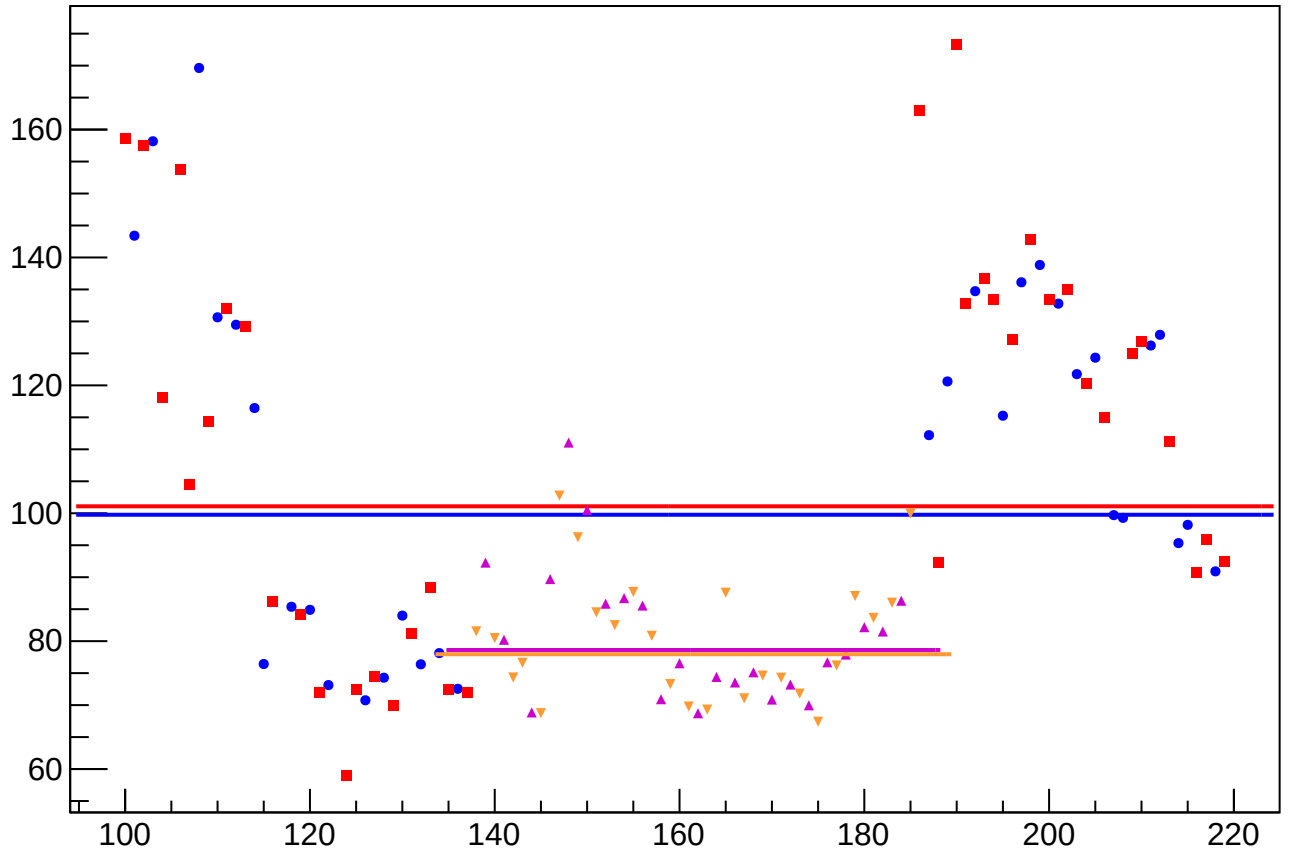
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.029+/-0.016 χ^2/NDF: 123.2/68

In: 0.002+/-0.014 χ^2/NDF:59.3/54

Out: -0.007+/-0.014 χ^2/NDF:113.2/61

All: -0.003+/-0.010 χ^2/NDF: 172.7/116



Right In: 99.765+/-0.016 χ^2/NDF: 2227435.3/31

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 101.088+/-0.016 χ^2/NDF: 2573537.0/36

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

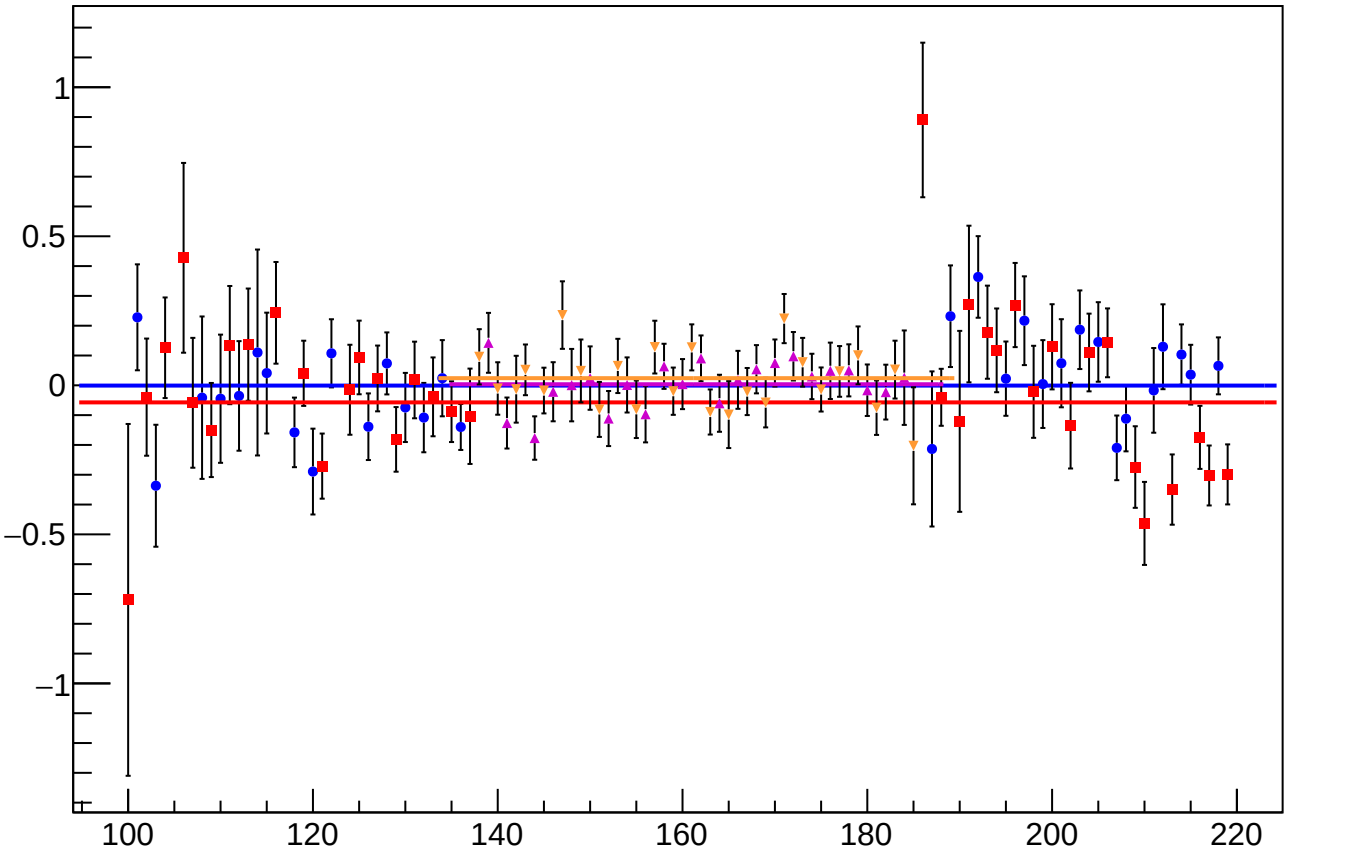
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 100.436+/-0.011 χ^2/NDF: 4804332.8/68

In: 86.966+/-0.010 χ^2/NDF:3750186.0/54

Out: 86.822+/-0.010 χ^2/NDF:4299448.2/61

All: 86.892+/-0.007 χ^2/NDF: 8049736.6/116



Right In: -0.001+/-0.023 χ^2/NDF: 40.4/31

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.057+/-0.023 χ^2/NDF: 79.8/36

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

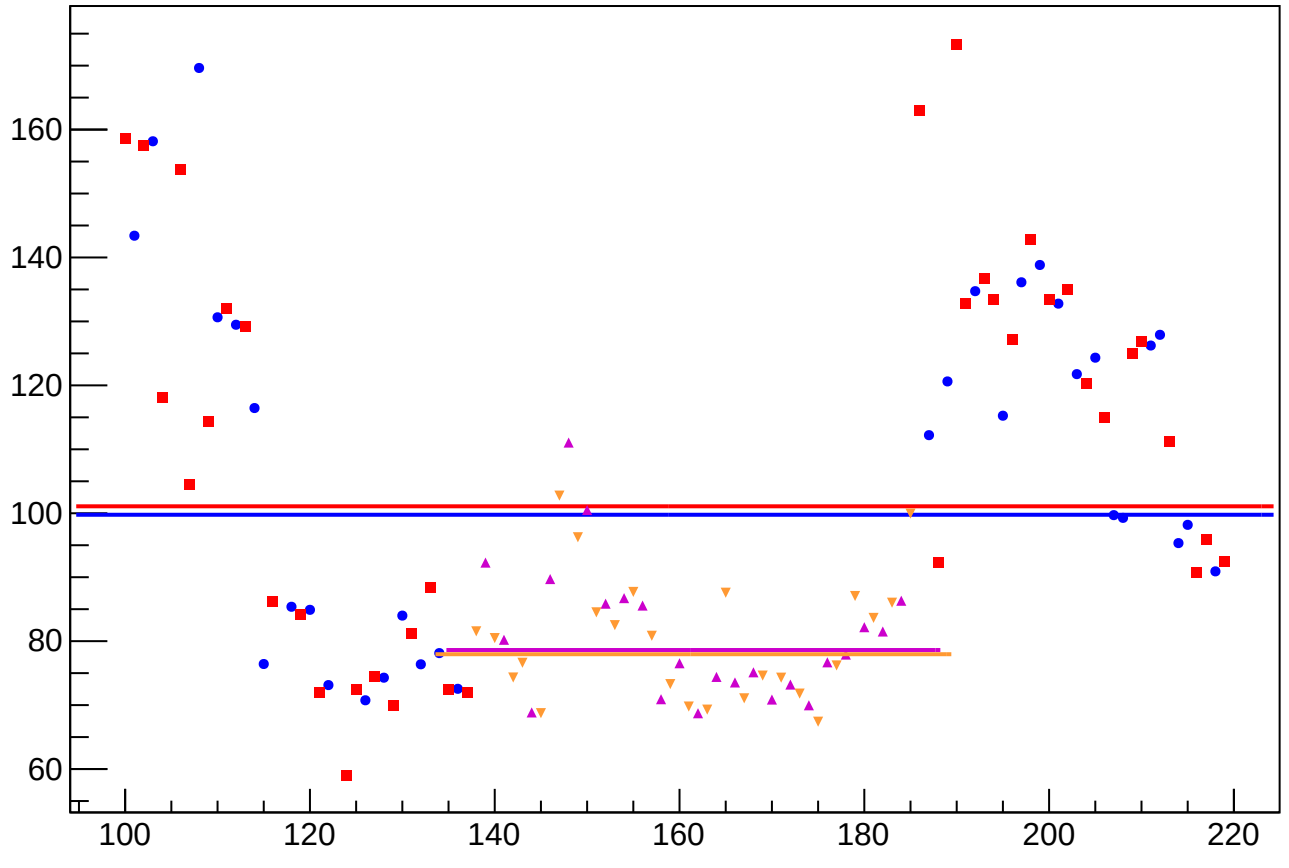
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.029+/-0.016 χ^2/NDF: 123.2/68

In: 0.002+/-0.014 χ^2/NDF:59.3/54

Out: -0.007+/-0.014 χ^2/NDF:113.2/61

All: -0.003+/-0.010 χ^2/NDF: 172.7/116



Right In: 99.765+/-0.016 χ^2/NDF: 2227435.3/31

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 101.088+/-0.016 χ^2/NDF: 2573537.0/36

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

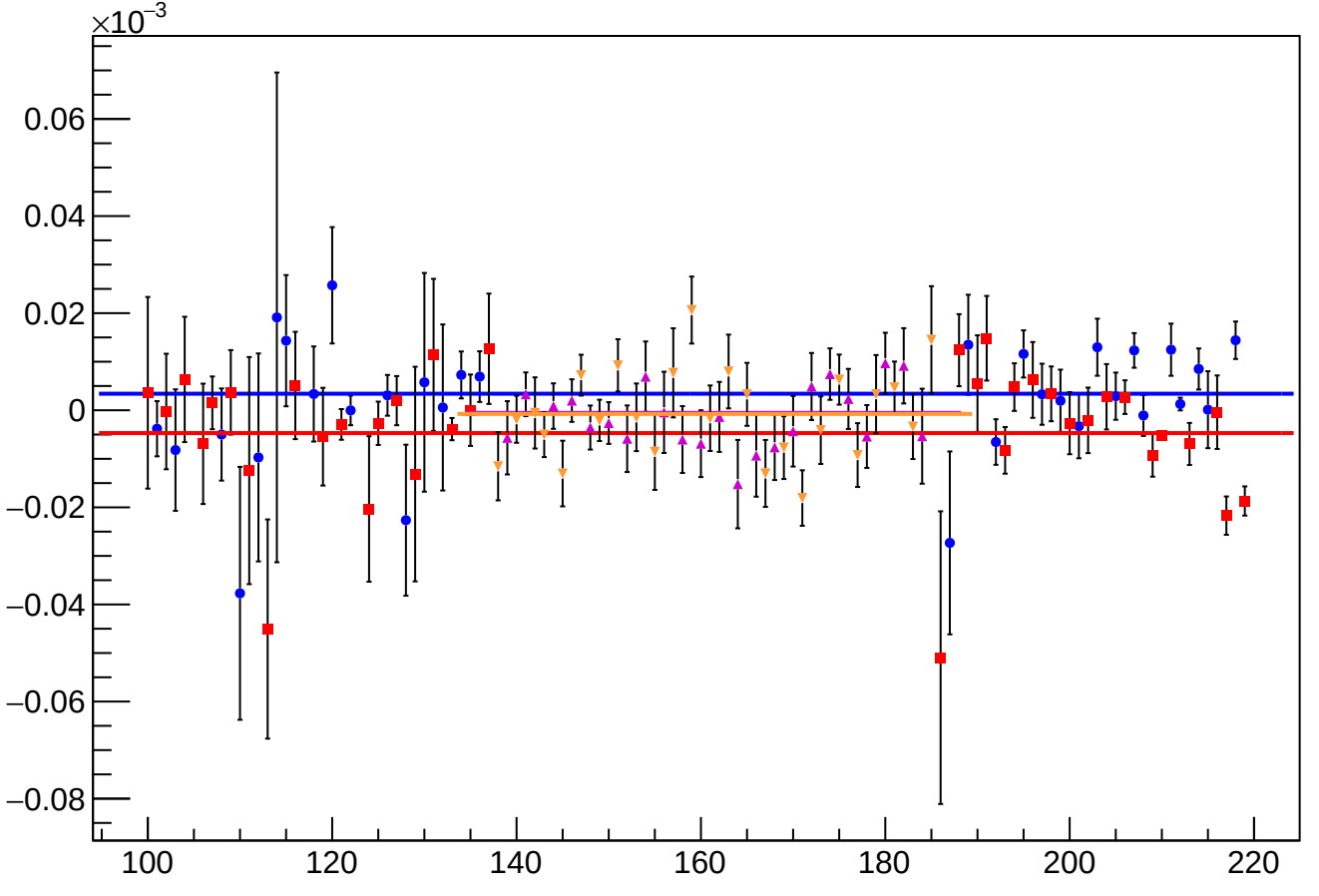
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 100.436+/-0.011 χ^2/NDF: 4804332.8/68

In: 86.966+/-0.010 χ^2/NDF:3750186.0/54

Out: 86.822+/-0.010 χ^2/NDF:4299448.2/61

All: 86.892+/-0.007 χ^2/NDF: 8049736.6/116



Right In: 0.000+/-0.000 χ^2/NDF: 52.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 85.1/36

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

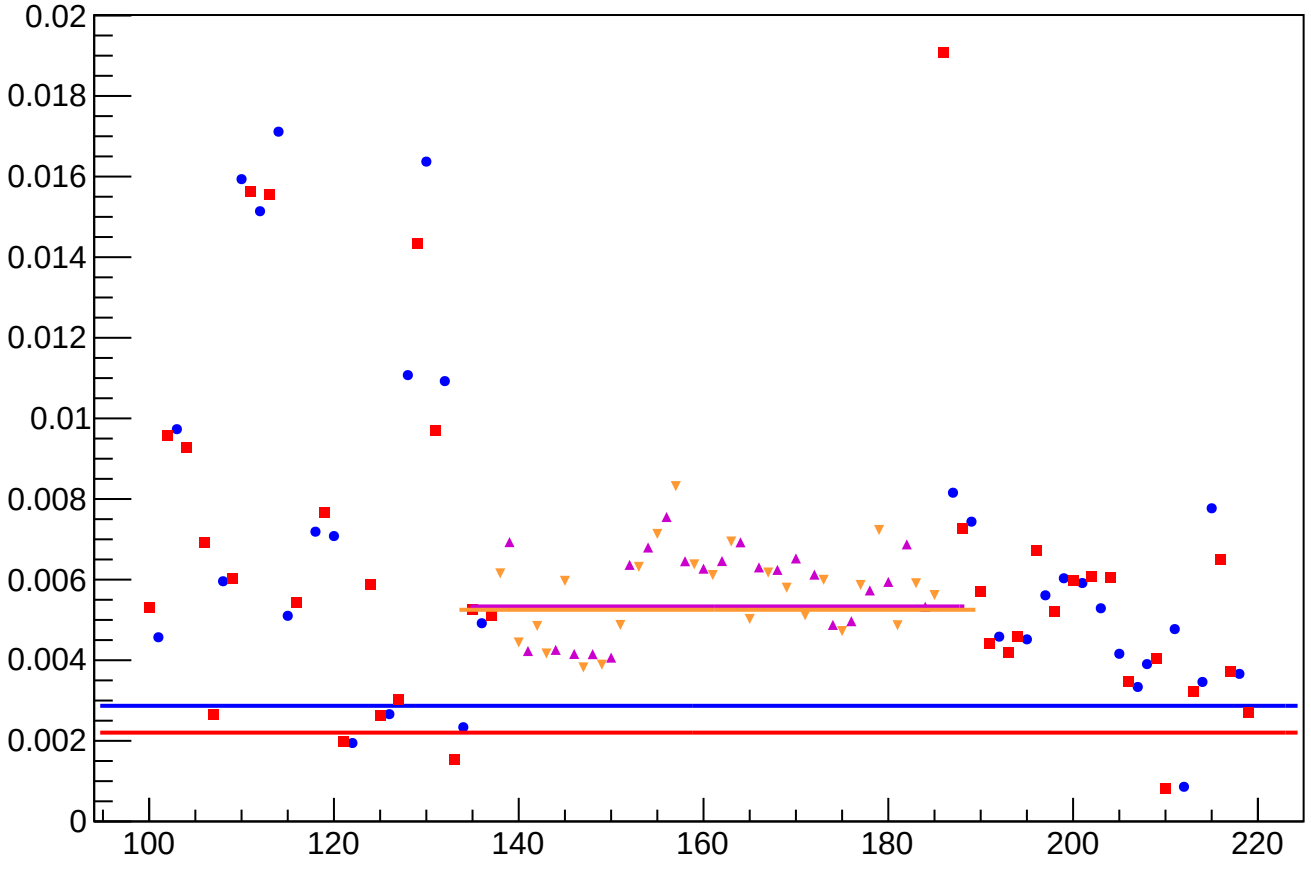
Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

Right: -0.000+/-0.000 χ^2/NDF: 196.9/68

In: 0.000+/-0.000 χ^2/NDF:78.3/54

Out: -0.000+/-0.000 χ^2/NDF:140.7/61

All: -0.000+/-0.000 χ^2/NDF: 263.9/116



Right In: 0.003+/-0.000 χ^2/NDF: 14066864.5/31

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 18466965.3/36

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

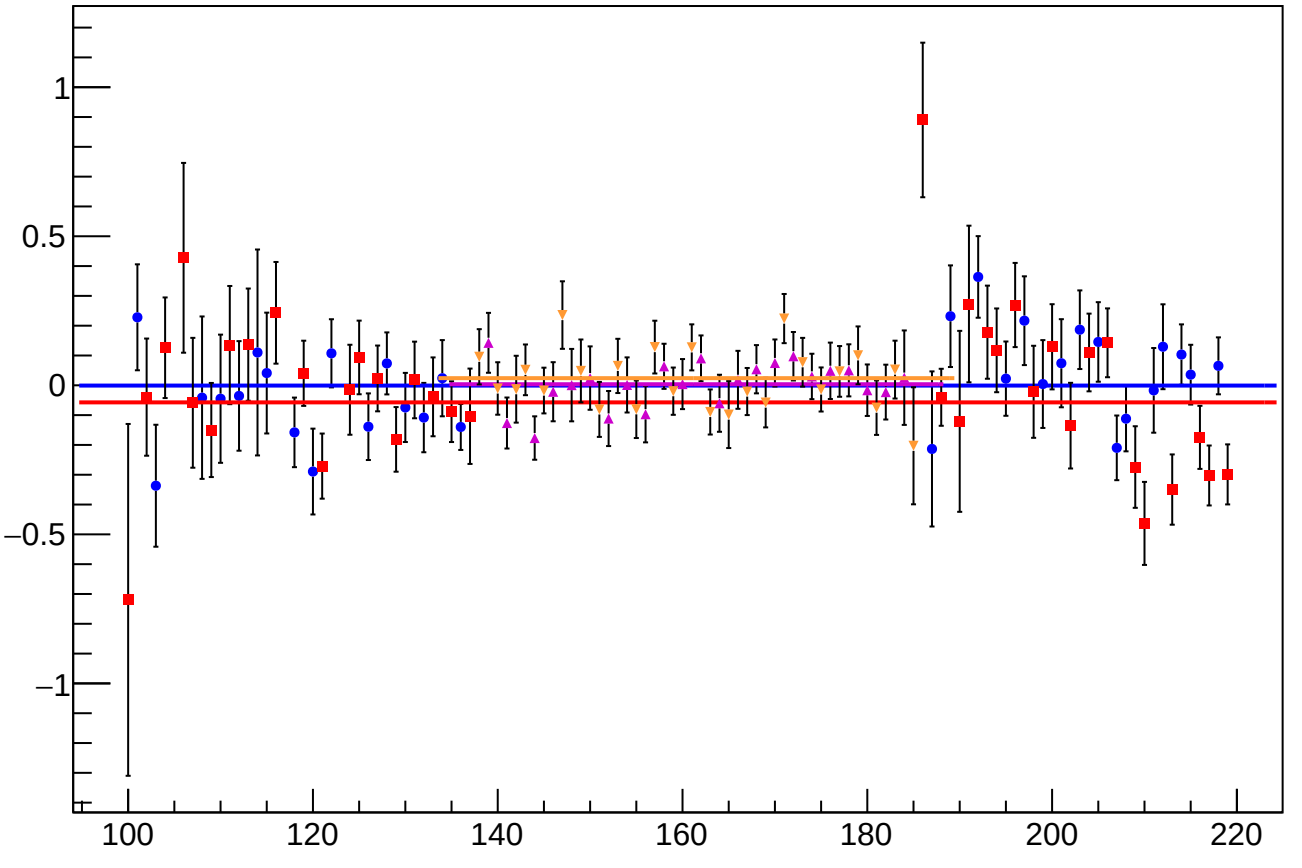
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.002+/-0.000 χ^2/NDF: 33328743.3/68

In: 0.004+/-0.000 χ^2/NDF:20805634.7/54

Out: 0.003+/-0.000 χ^2/NDF:29612664.9/61

All: 0.003+/-0.000 χ^2/NDF: 51650519.4/116



Right In: -0.001+/-0.023 χ^2/NDF: 40.4/31

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.057+/-0.023 χ^2/NDF: 79.8/36

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

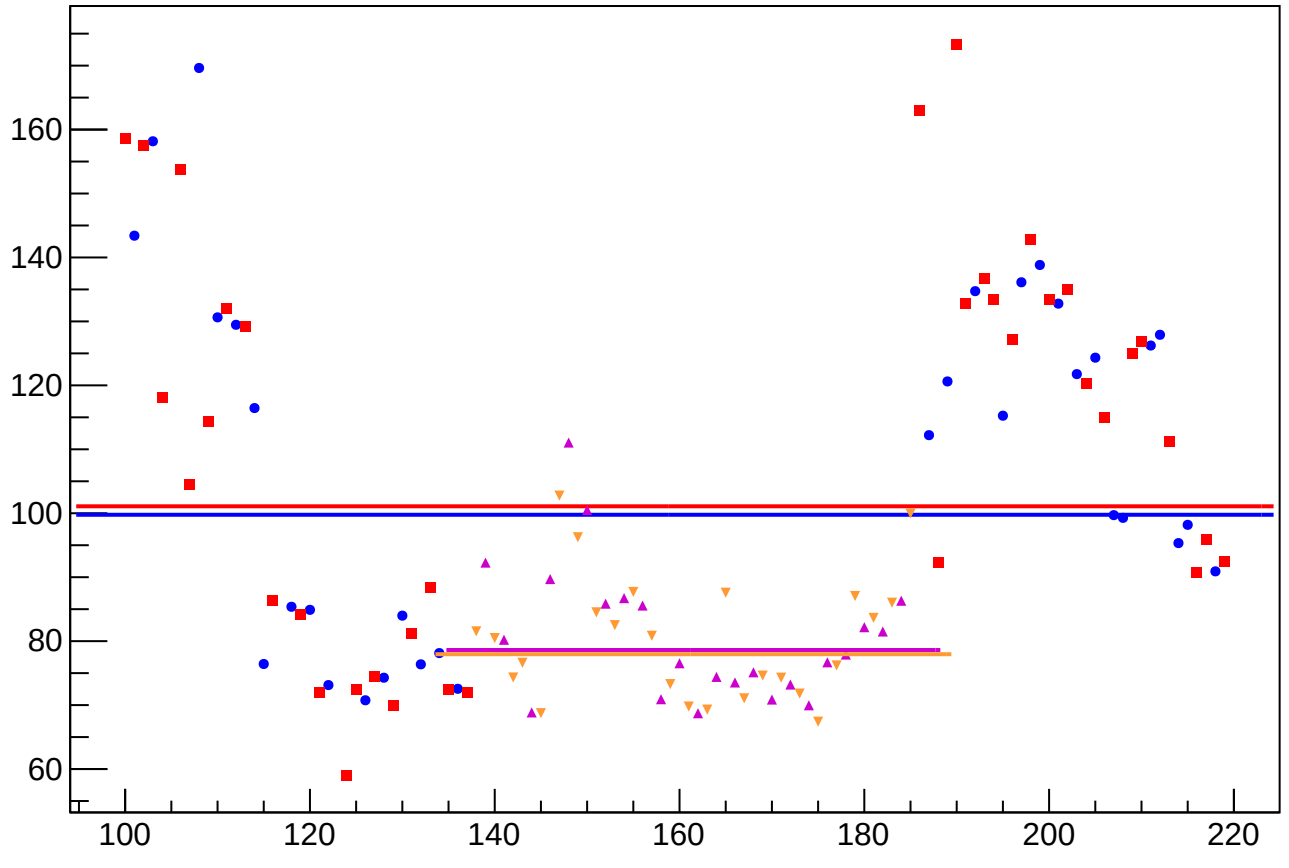
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.029+/-0.016 χ^2/NDF: 123.2/68

In: 0.002+/-0.014 χ^2/NDF:59.3/54

Out: -0.007+/-0.014 χ^2/NDF:113.2/61

All: -0.003+/-0.010 χ^2/NDF: 172.7/116



Right In: 99.763+/-0.016 χ^2/NDF: 2227570.4/31

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 101.086+/-0.016 χ^2/NDF: 2573644.7/36

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

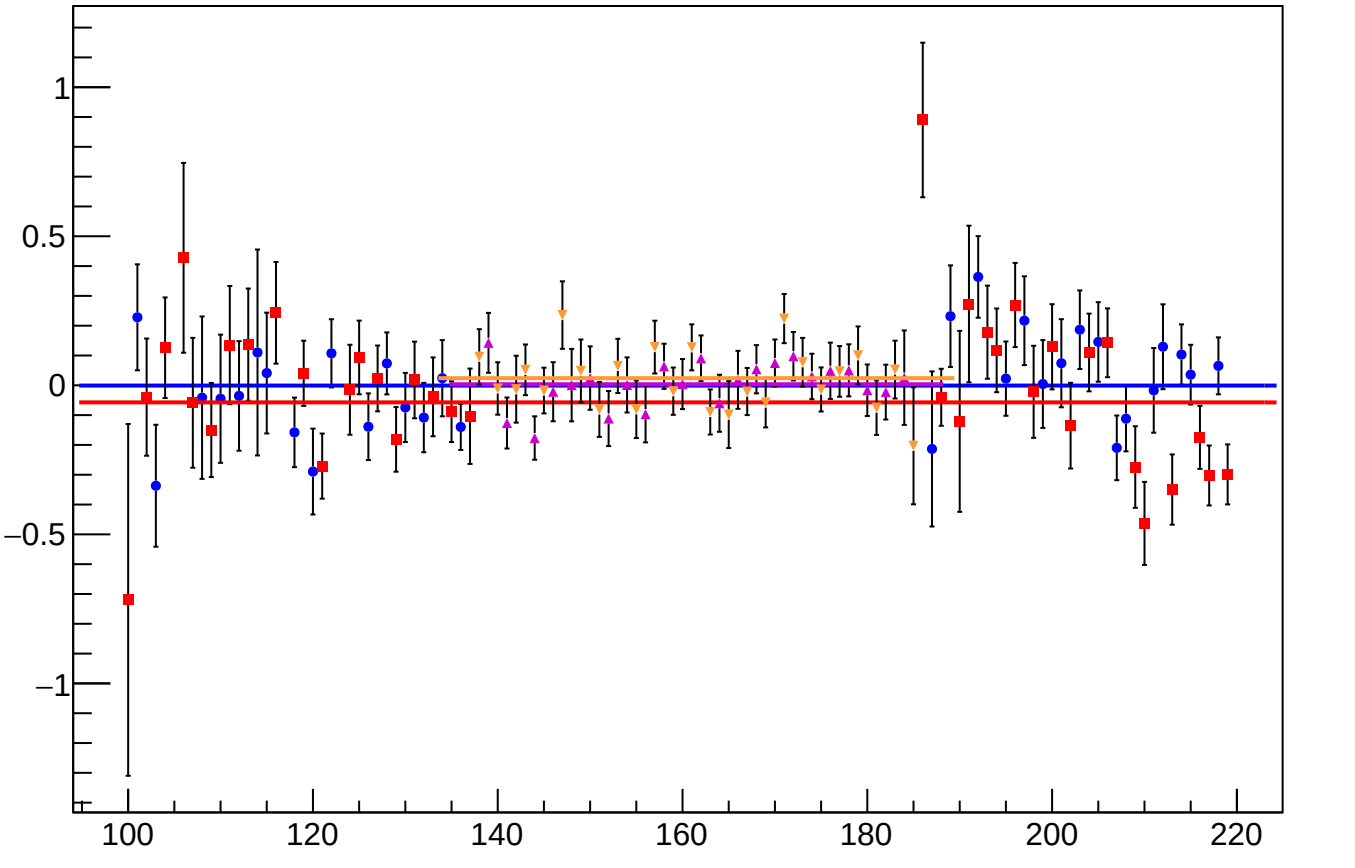
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 100.435+/-0.011 χ^2/NDF: 4804576.9/68

In: 86.965+/-0.010 χ^2/NDF:3750288.0/54

Out: 86.821+/-0.010 χ^2/NDF:4299504.8/61

All: 86.891+/-0.007 χ^2/NDF: 8049894.8/116



Right In: -0.001+/-0.023 χ^2/NDF: 40.4/31

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.057+/-0.023 χ^2/NDF: 79.8/36

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

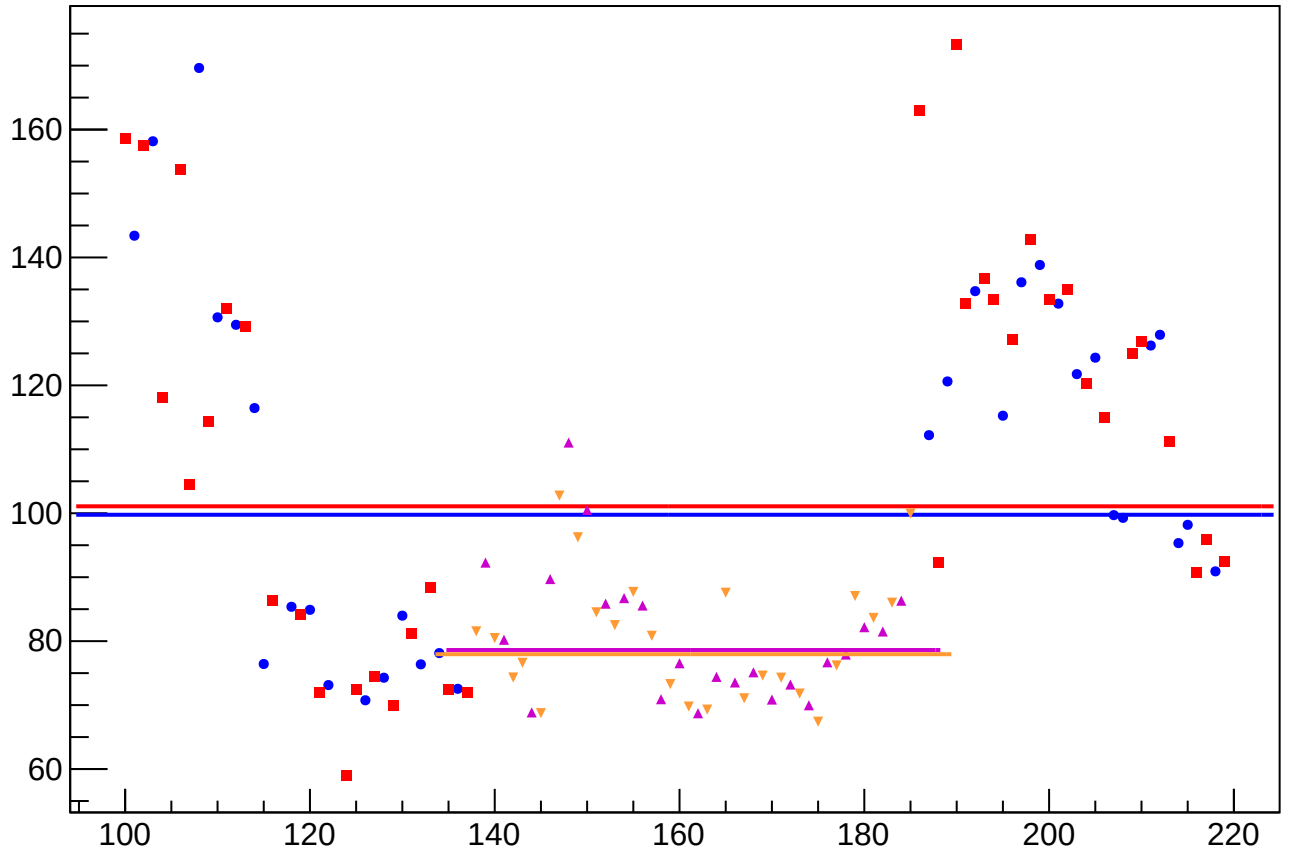
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.029+/-0.016 χ^2/NDF: 123.2/68

In: 0.002+/-0.014 χ^2/NDF:59.3/54

Out: -0.007+/-0.014 χ^2/NDF:113.2/61

All: -0.003+/-0.010 χ^2/NDF: 172.7/116



Right In: 99.763+/-0.016 χ^2/NDF: 2227570.4/31

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 101.086+/-0.016 χ^2/NDF: 2573644.7/36

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

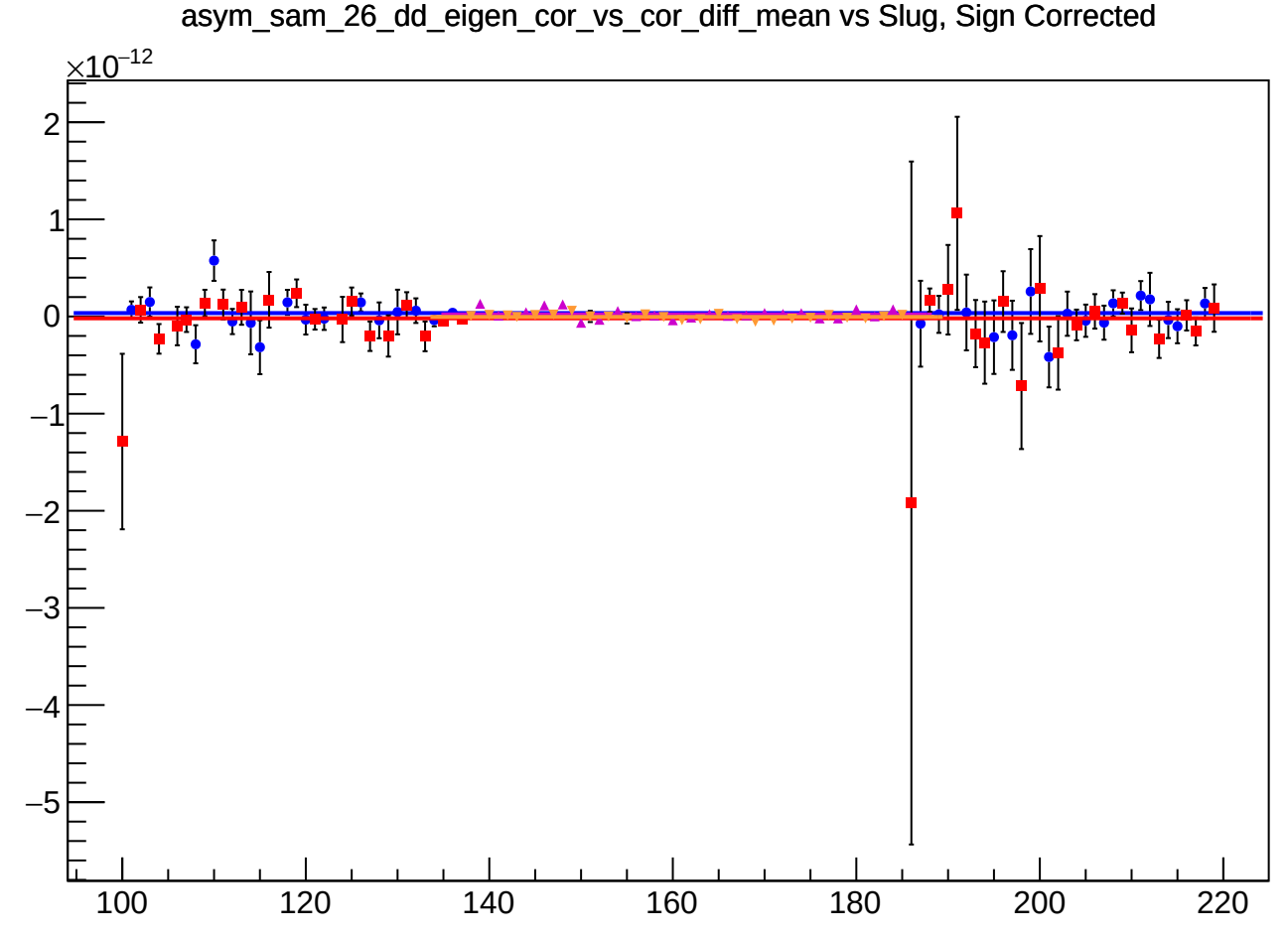
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 100.435+/-0.011 χ^2/NDF: 4804576.9/68

In: 86.965+/-0.010 χ^2/NDF:3750288.0/54

Out: 86.821+/-0.010 χ^2/NDF:4299504.8/61

All: 86.891+/-0.007 χ^2/NDF: 8049894.8/116



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/31

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.4/36

Left In: 0.000+/-0.000 χ^2/NDF:40.1/22

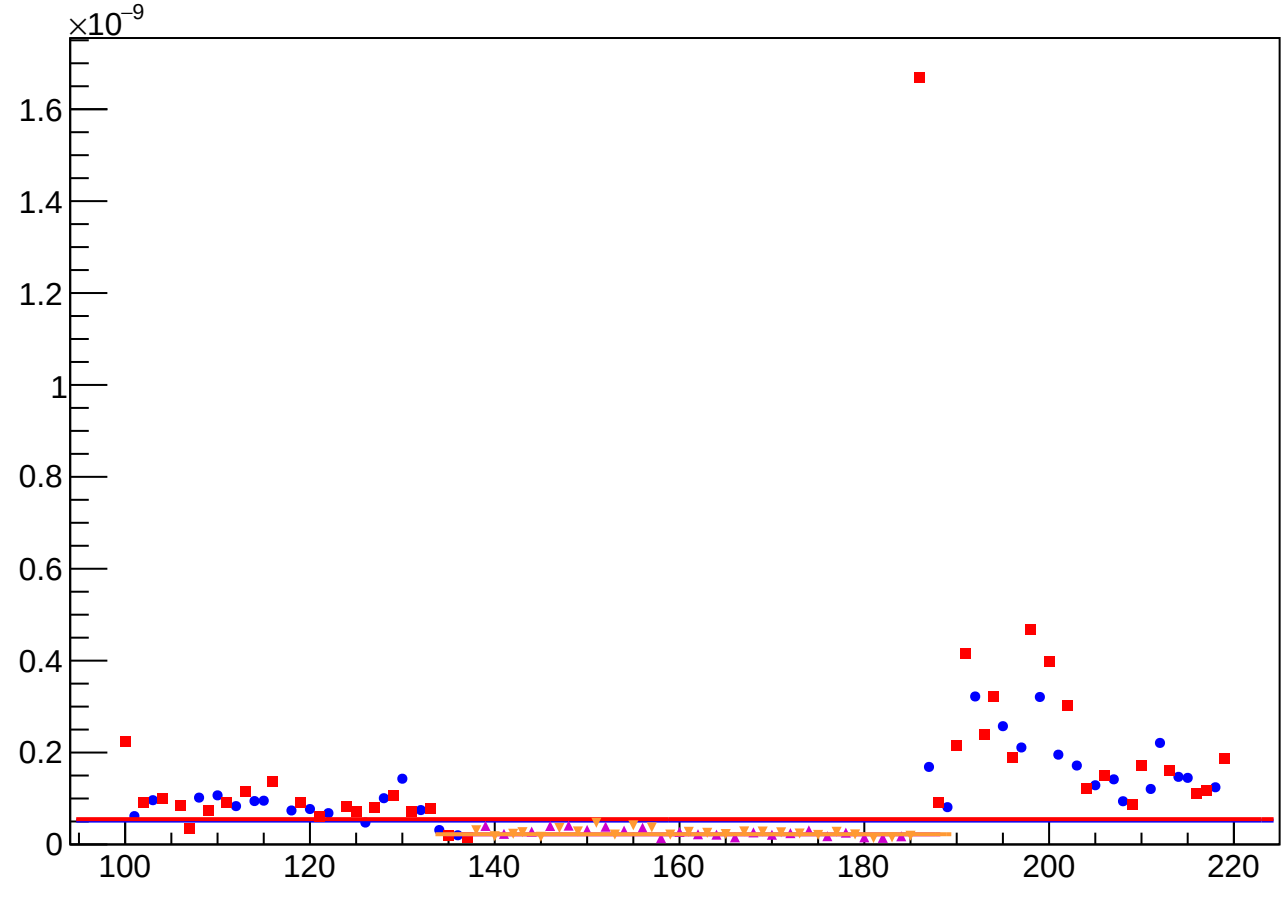
Left: 0.000+/-0.000 χ^2/NDF: 61.2/47

Right: 0.000+/-0.000 χ^2/NDF: 57.7/68

In: 0.000+/-0.000 χ^2/NDF:64.1/54

Out: -0.000+/-0.000 χ^2/NDF:44.0/61

All: 0.000+/-0.000 χ^2/NDF: 119.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 12090968.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13975907.8/36

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

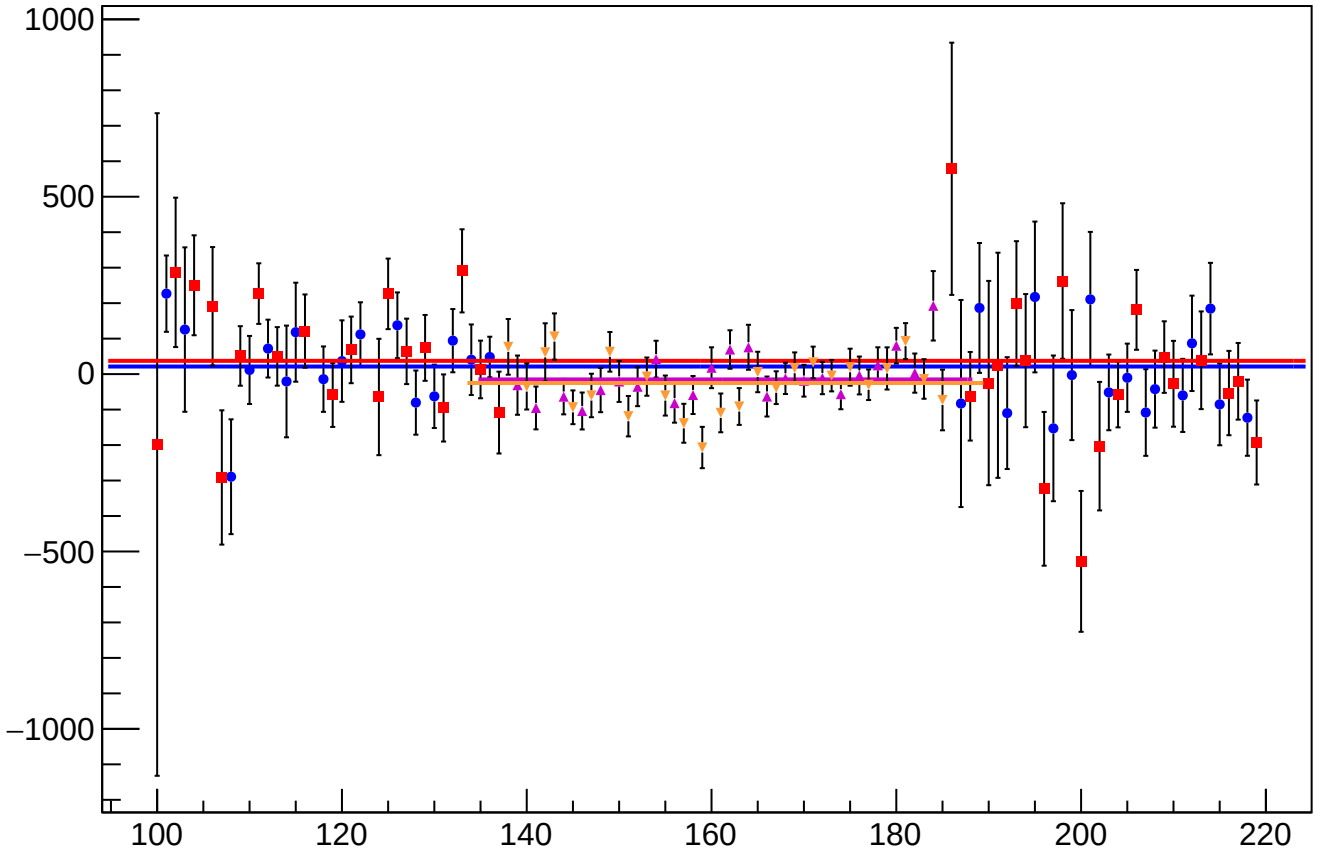
Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

Right: 0.000+/-0.000 χ^2/NDF: 26092204.6/68

In: 0.000+/-0.000 χ^2/NDF:19272596.6/54

Out: 0.000+/-0.000 χ^2/NDF:21110666.0/61

All: 0.000+/-0.000 χ^2/NDF: 40383308.7/116



Right In: 21.367+/-19.570 χ^2/NDF: 25.7/31

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 37.390+/-19.711 χ^2/NDF: 52.3/36

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

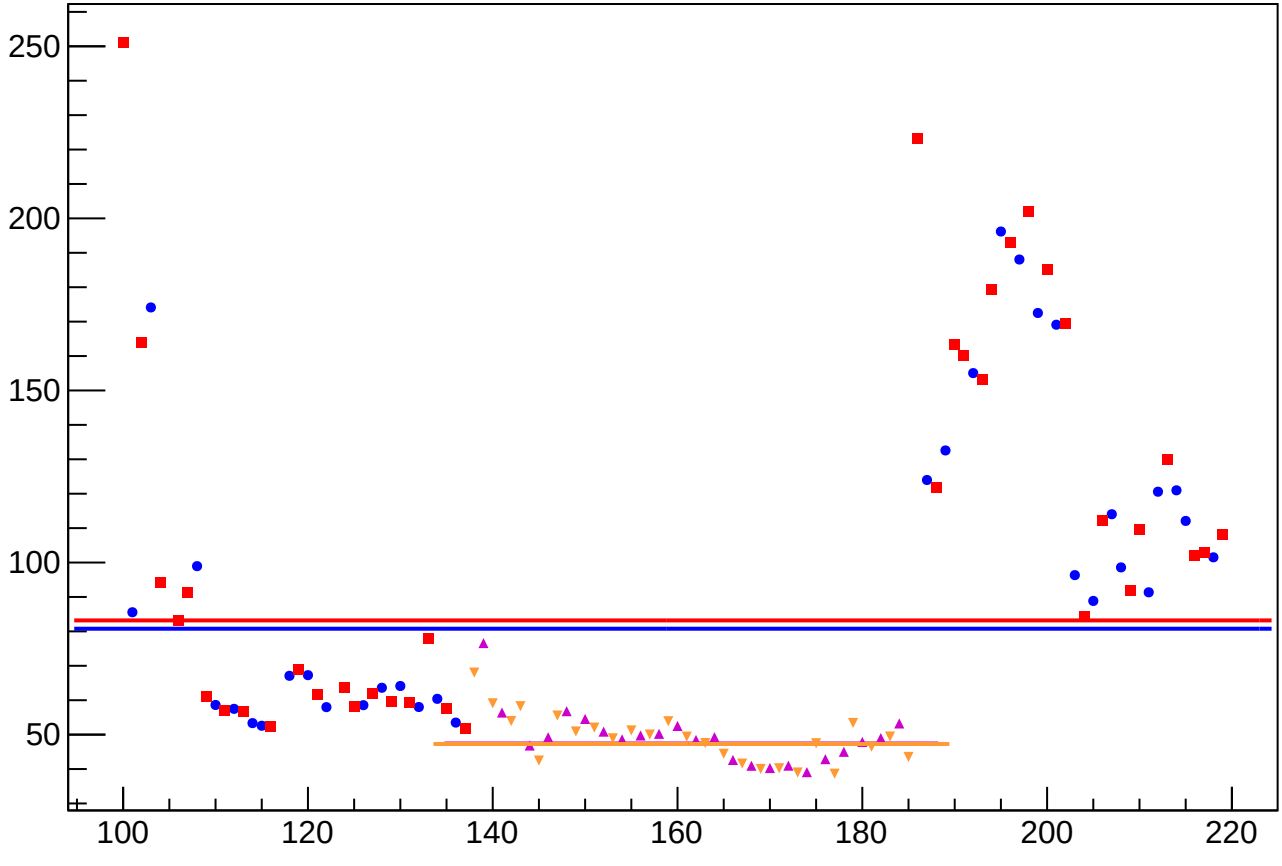
Right: 29.321+/-13.888 χ^2/NDF: 78.3/68

In: -6.001+/-9.732 χ^2/NDF:53.0/54

Out: -10.405+/-9.530 χ^2/NDF:103.0/61

All: -8.249+/-6.809 χ^2/NDF: 156.2/116

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 80.772+/-0.014 χ^2/NDF: 5477925.4/31

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 83.185+/-0.014 χ^2/NDF: 6483406.5/36

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

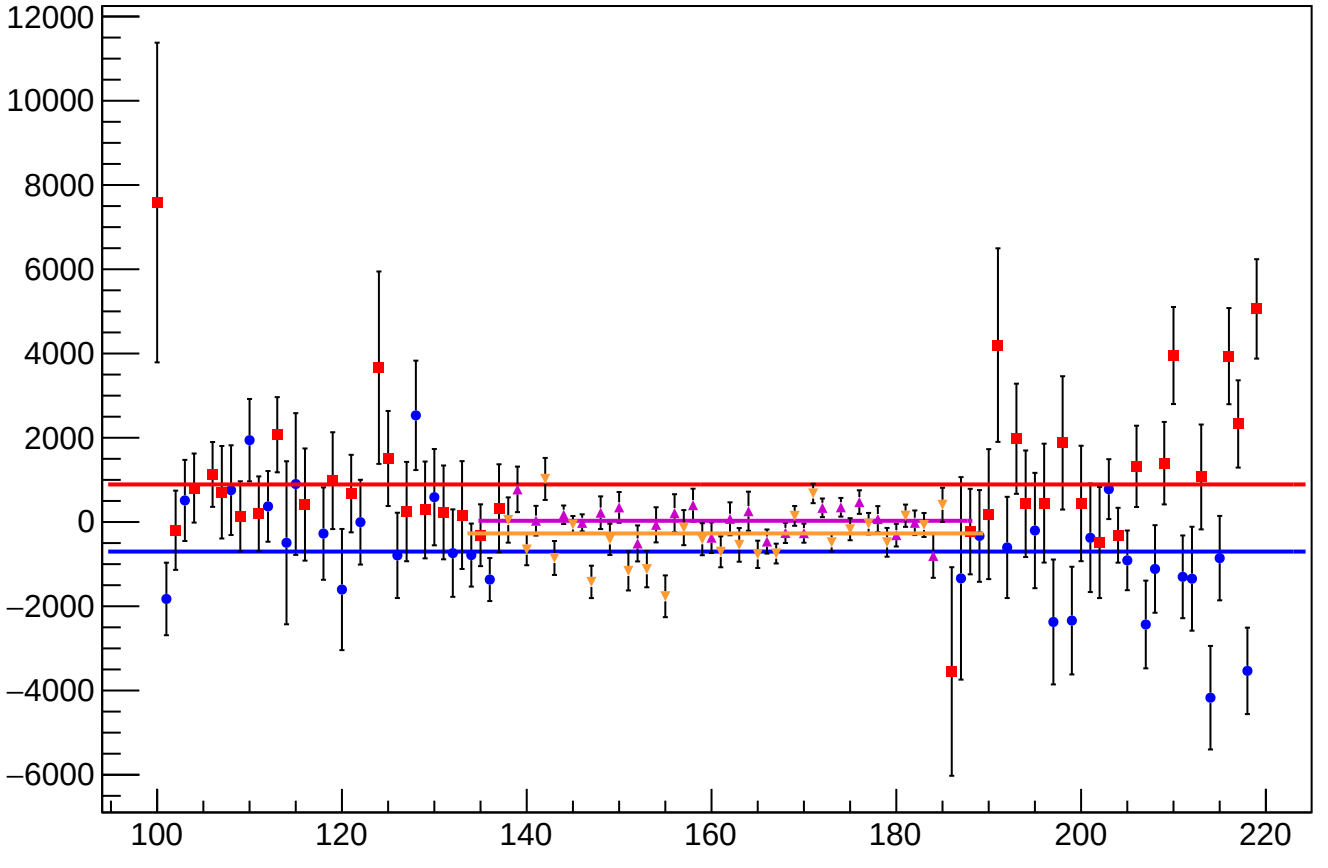
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 81.970+/-0.010 χ^2/NDF: 11976432.2/68

In: 55.672+/-0.007 χ^2/NDF:10504490.7/54

Out: 55.677+/-0.007 χ^2/NDF:12284537.7/61

All: 55.674+/-0.005 χ^2/NDF: 22789028.6/116



Right In: -701.553+/-177.842 χ^2/NDF: 52.2/31

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 891.850+/-177.972 χ^2/NDF: 55.7/36

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

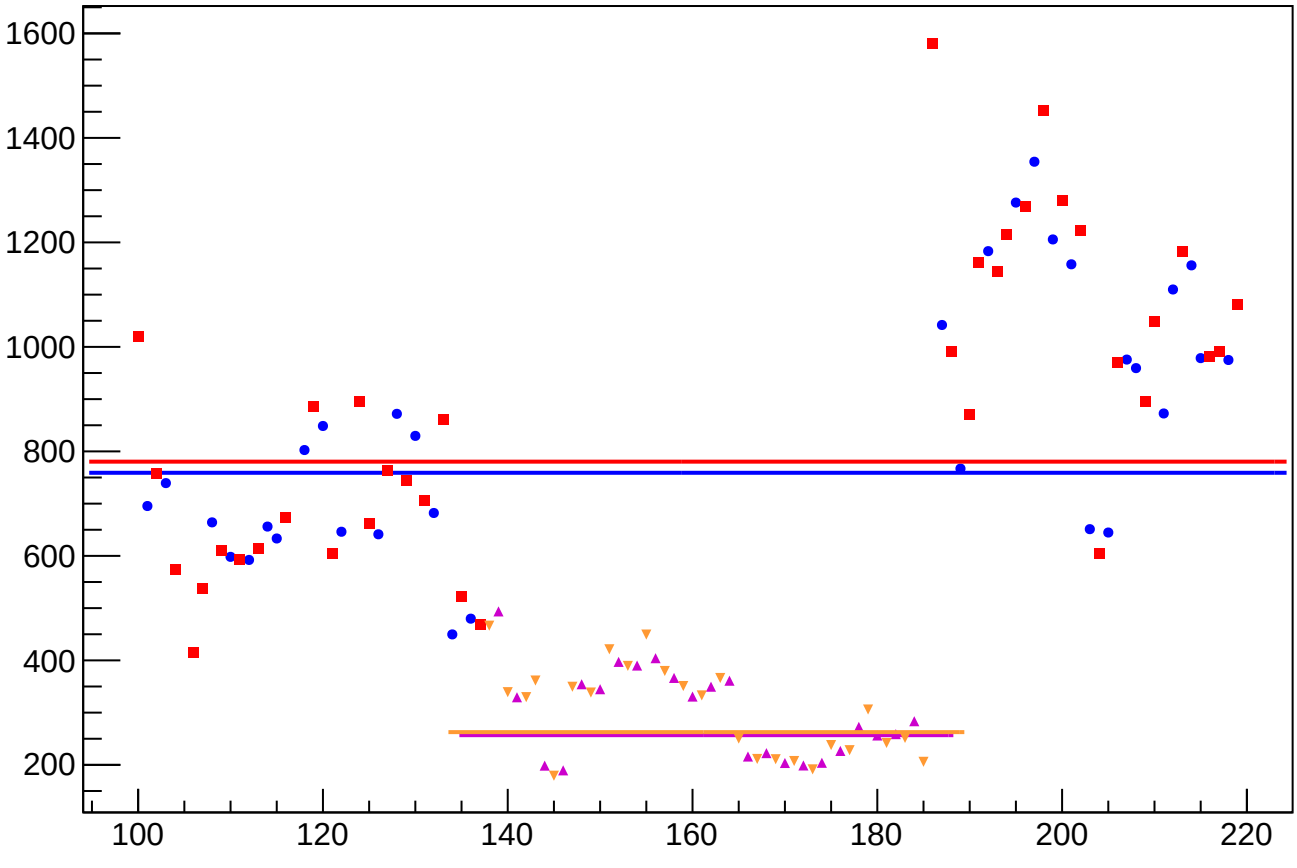
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 94.565+/-125.799 χ^2/NDF: 147.9/68

In: -51.522+/-59.108 χ^2/NDF:91.6/54

Out: -143.923+/-58.840 χ^2/NDF:167.6/61

All: -97.932+/-41.701 χ^2/NDF: 260.4/116



Right In: 759.045+/-0.126 χ^2/NDF: 3376505.9/31

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 780.352+/-0.126 χ^2/NDF: 4184974.1/36

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

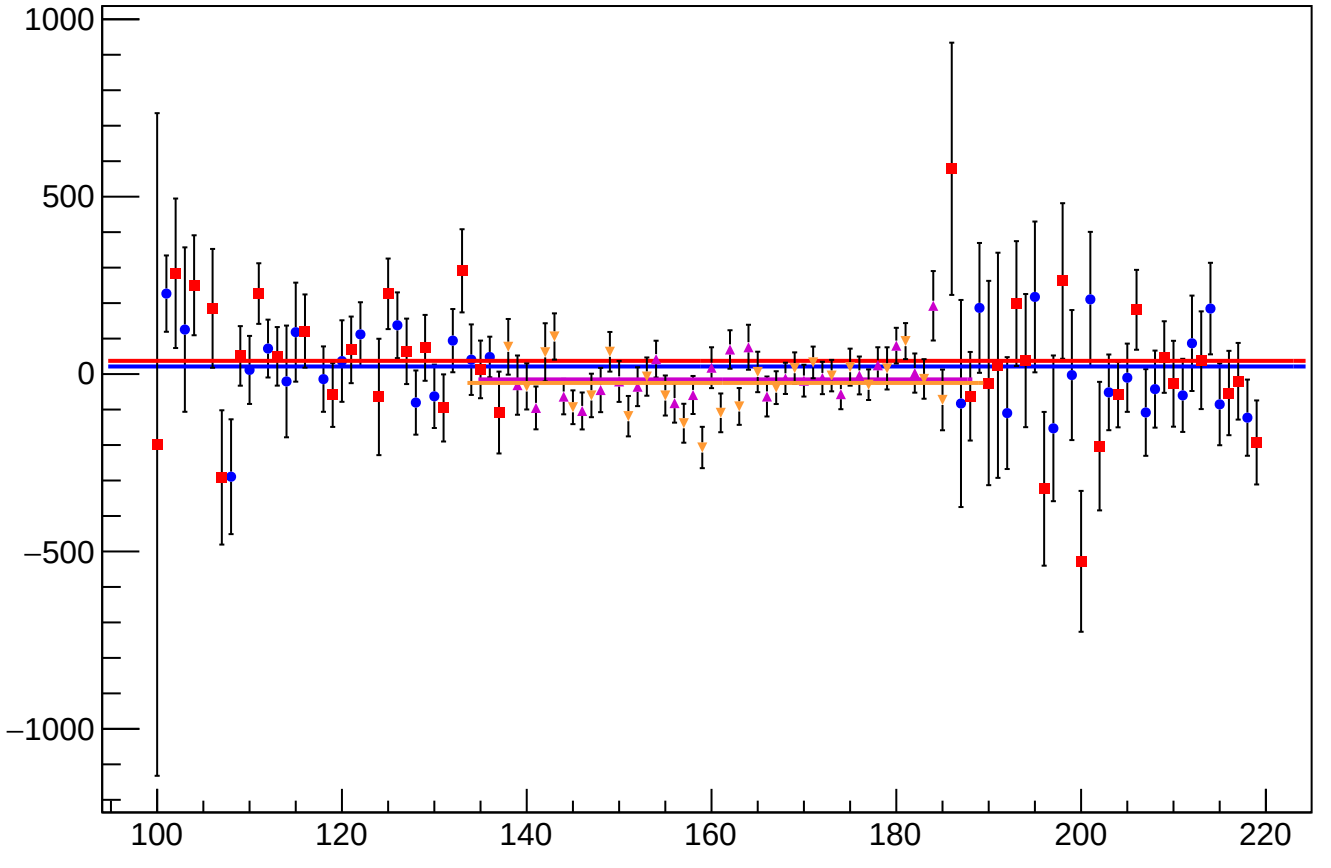
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 769.691+/-0.089 χ^2/NDF: 7575824.2/68

In: 312.318+/-0.042 χ^2/NDF:20202438.6/54

Out: 319.263+/-0.042 χ^2/NDF:22150068.2/61

All: 315.806+/-0.029 χ^2/NDF: 42366376.6/11



Right In: 21.361+/-19.570 χ^2/NDF: 25.7/31

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 37.271+/-19.712 χ^2/NDF: 52.2/36

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

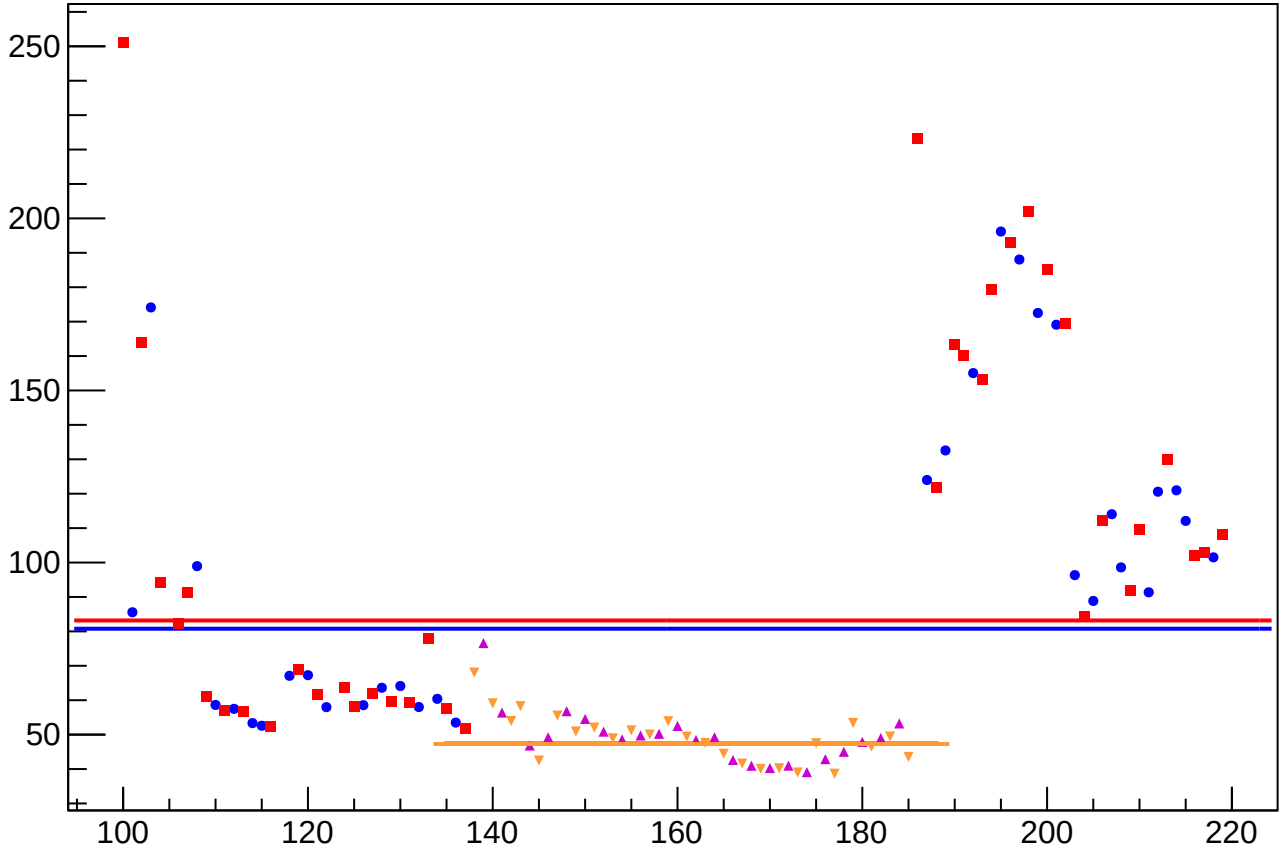
Right: 29.259+/-13.888 χ^2/NDF: 78.2/68

In: -6.001+/-9.732 χ^2/NDF:53.0/54

Out: -10.432+/-9.530 χ^2/NDF:102.9/61

All: -8.263+/-6.809 χ^2/NDF: 156.0/116

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 80.772+/-0.014 χ^2/NDF: 5477927.9/31

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 83.171+/-0.014 χ^2/NDF: 6483659.2/36

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

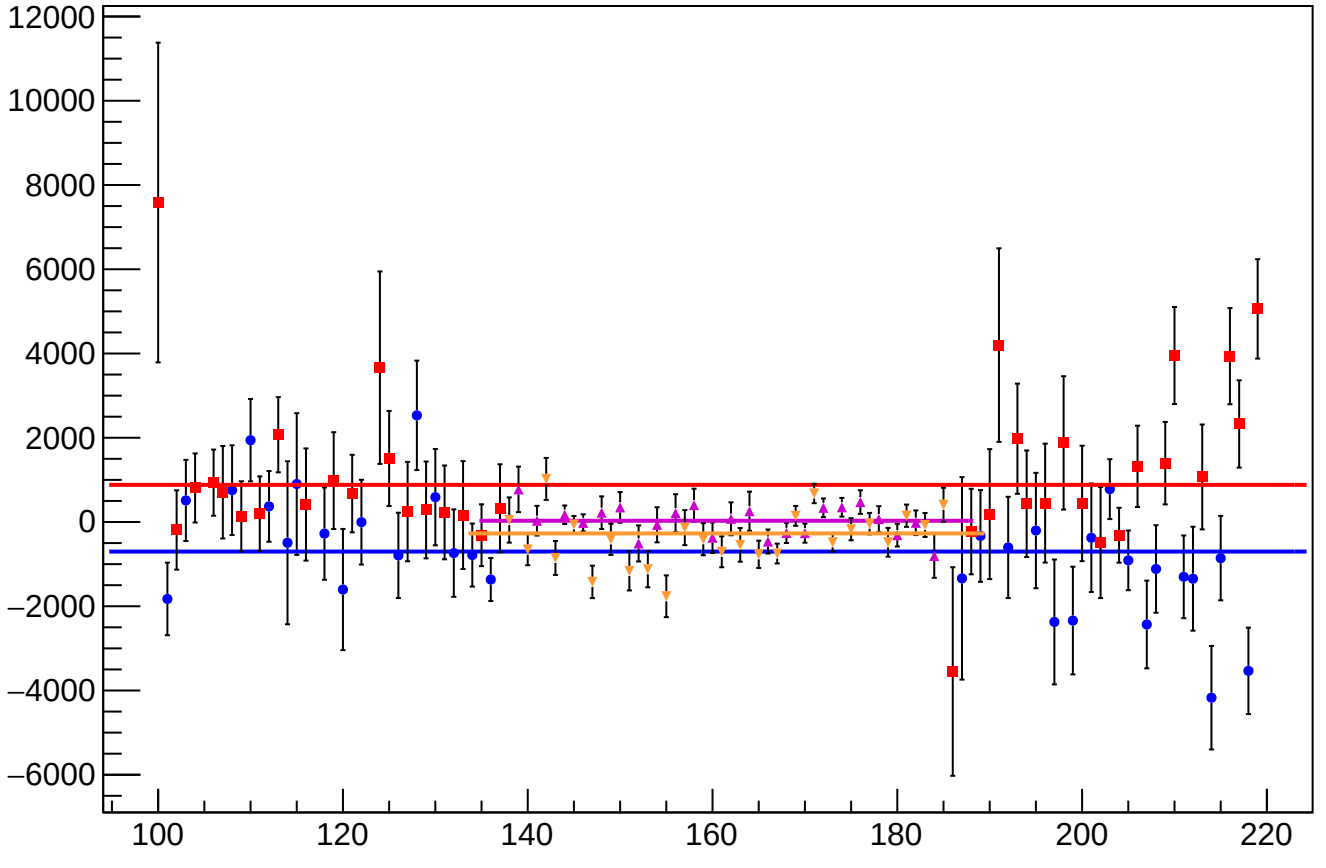
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 81.963+/-0.010 χ^2/NDF: 11976509.9/68

In: 55.672+/-0.007 χ^2/NDF:10504492.6/54

Out: 55.673+/-0.007 χ^2/NDF:12280466.1/61

All: 55.672+/-0.005 χ^2/NDF: 22784958.7/116



Right In: -701.555+/-177.843 χ^2/NDF: 52.2/31

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 881.676+/-178.165 χ^2/NDF: 55.6/36

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

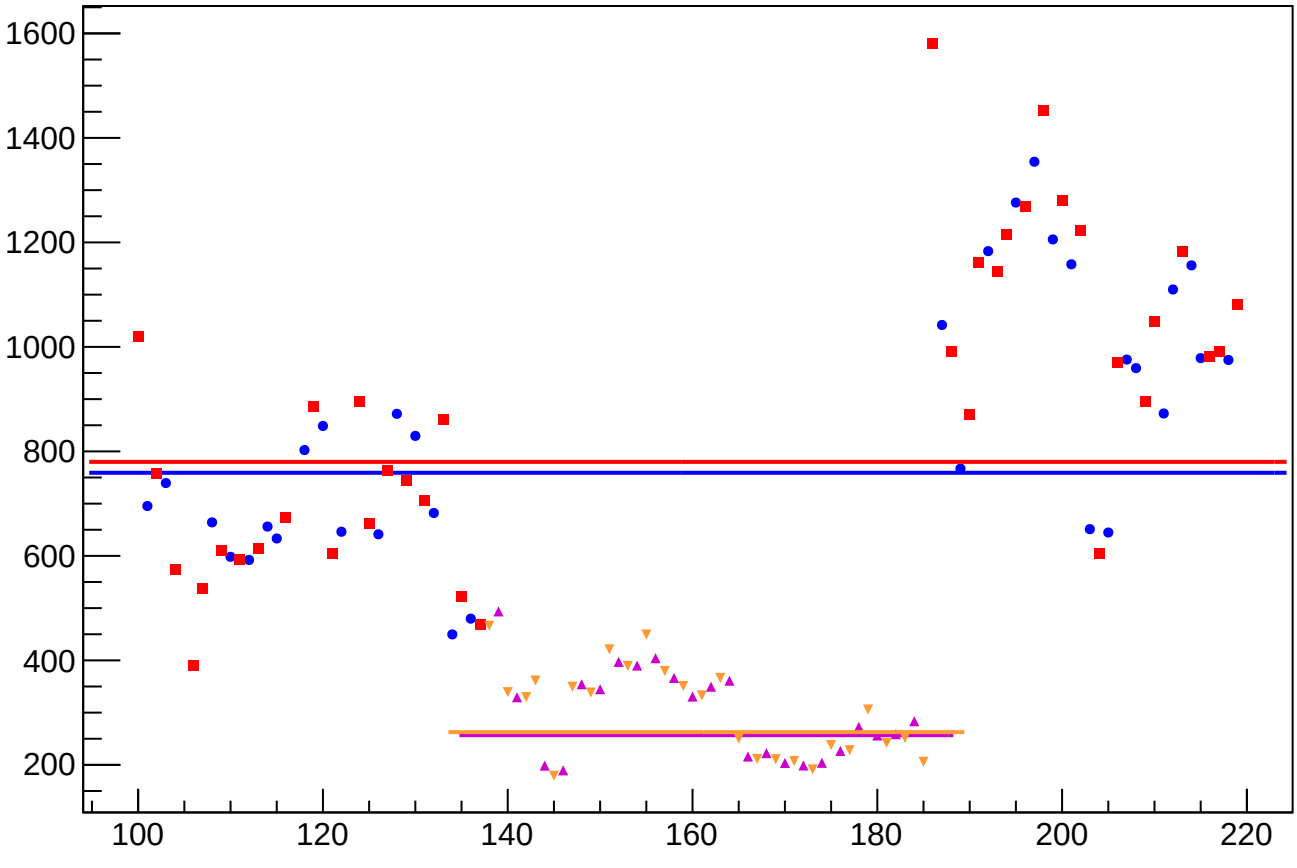
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 88.627+/-125.868 χ^2/NDF: 147.3/68

In: -51.520+/-59.108 χ^2/NDF:91.6/54

Out: -145.273+/-58.847 χ^2/NDF:166.8/61

All: -98.604+/-41.703 χ^2/NDF: 259.6/116



Right In: 759.048+/-0.126 χ^2/NDF: 3376499.2/31

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 779.942+/-0.126 χ^2/NDF: 4224578.9/36

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

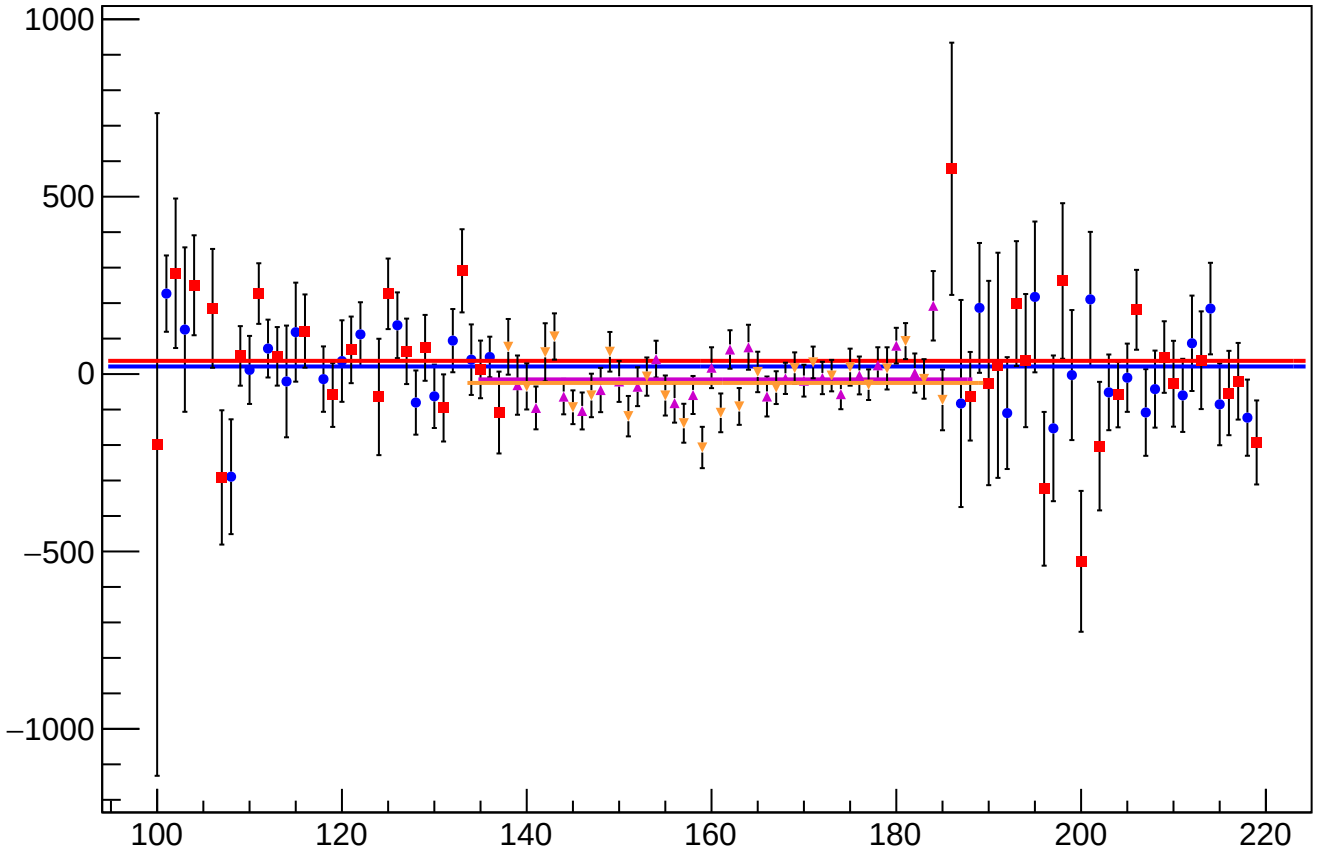
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 769.476+/-0.089 χ^2/NDF: 7614855.8/68

In: 312.318+/-0.042 χ^2/NDF:20202484.6/54

Out: 319.109+/-0.042 χ^2/NDF:22136767.0/61

All: 315.728+/-0.029 χ^2/NDF: 42352511.8/11



Right In: 21.361+/-19.570 χ^2/NDF: 25.7/31

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 37.271+/-19.712 χ^2/NDF: 52.2/36

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

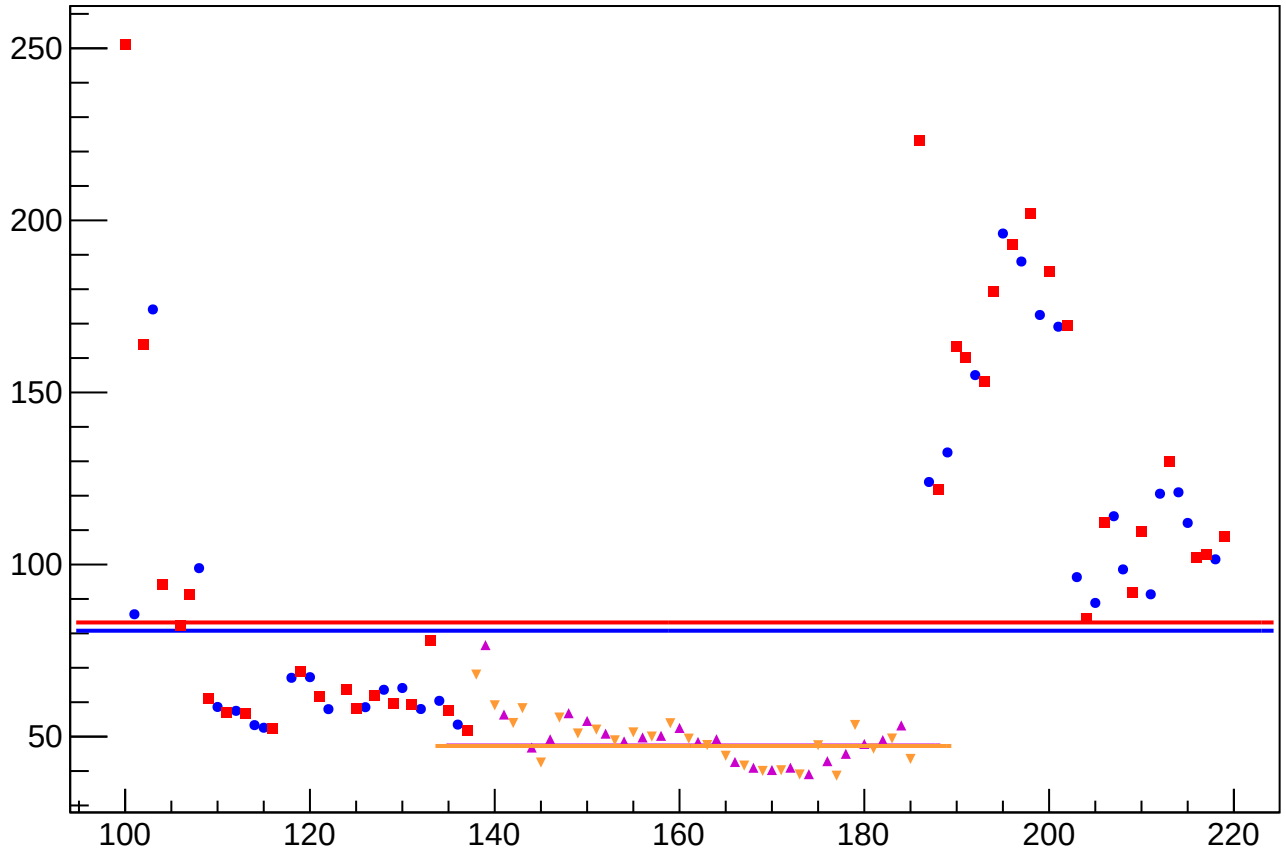
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 29.259+/-13.888 χ^2/NDF: 78.2/68

In: -6.001+/-9.732 χ^2/NDF:53.0/54

Out: -10.432+/-9.530 χ^2/NDF:102.9/61

All: -8.263+/-6.809 χ^2/NDF: 156.0/116



Right In: 80.772+/-0.014 χ^2/NDF: 5477927.9/31

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 83.171+/-0.014 χ^2/NDF: 6483659.2/36

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

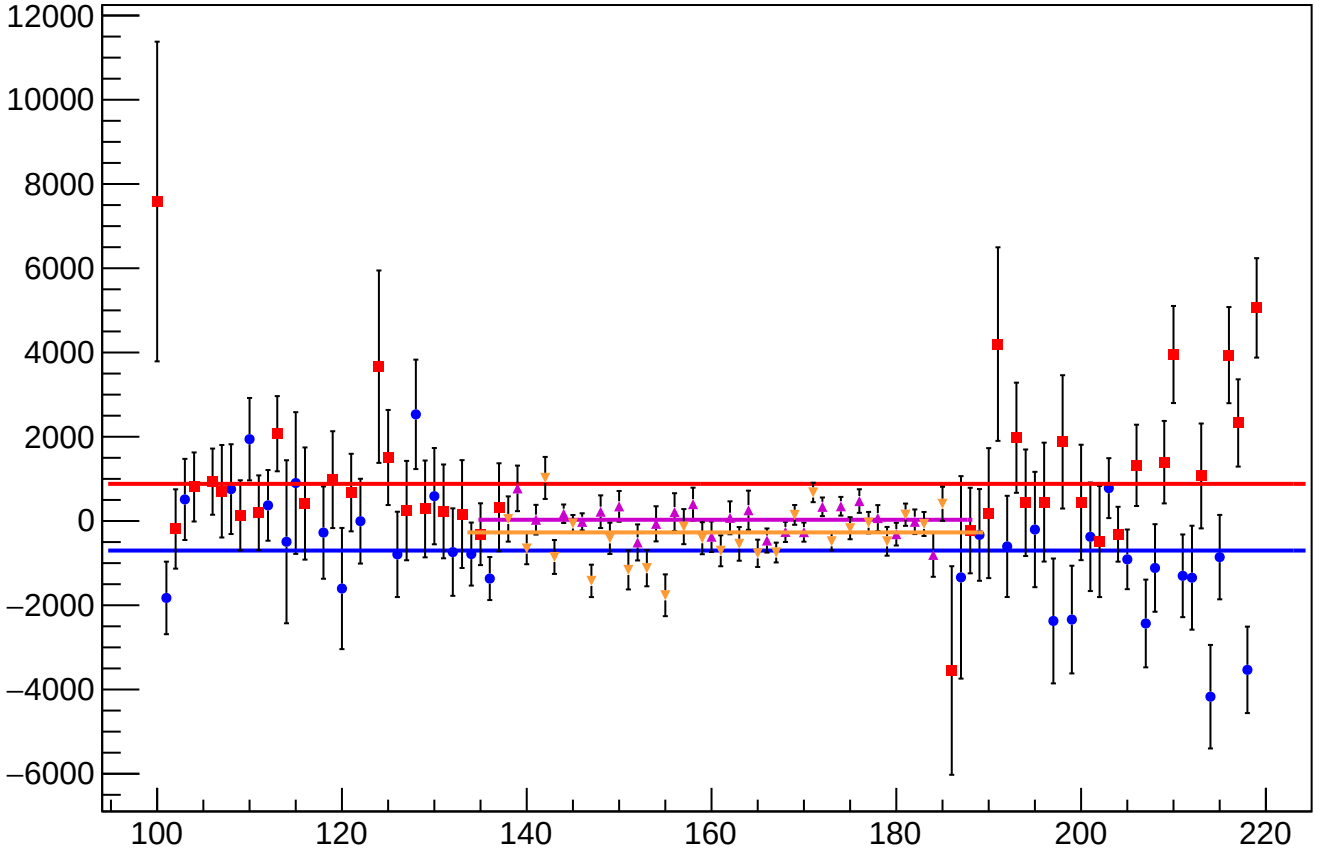
Right: 81.963+/-0.010 χ^2/NDF: 11976509.9/68

In: 55.672+/-0.007 χ^2/NDF:10504492.6/54

Out: 55.673+/-0.007 χ^2/NDF:12280466.1/61

All: 55.672+/-0.005 χ^2/NDF: 22784958.7/116

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -701.555+/-177.843 χ^2/NDF: 52.2/31

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 881.676+/-178.165 χ^2/NDF: 55.6/36

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

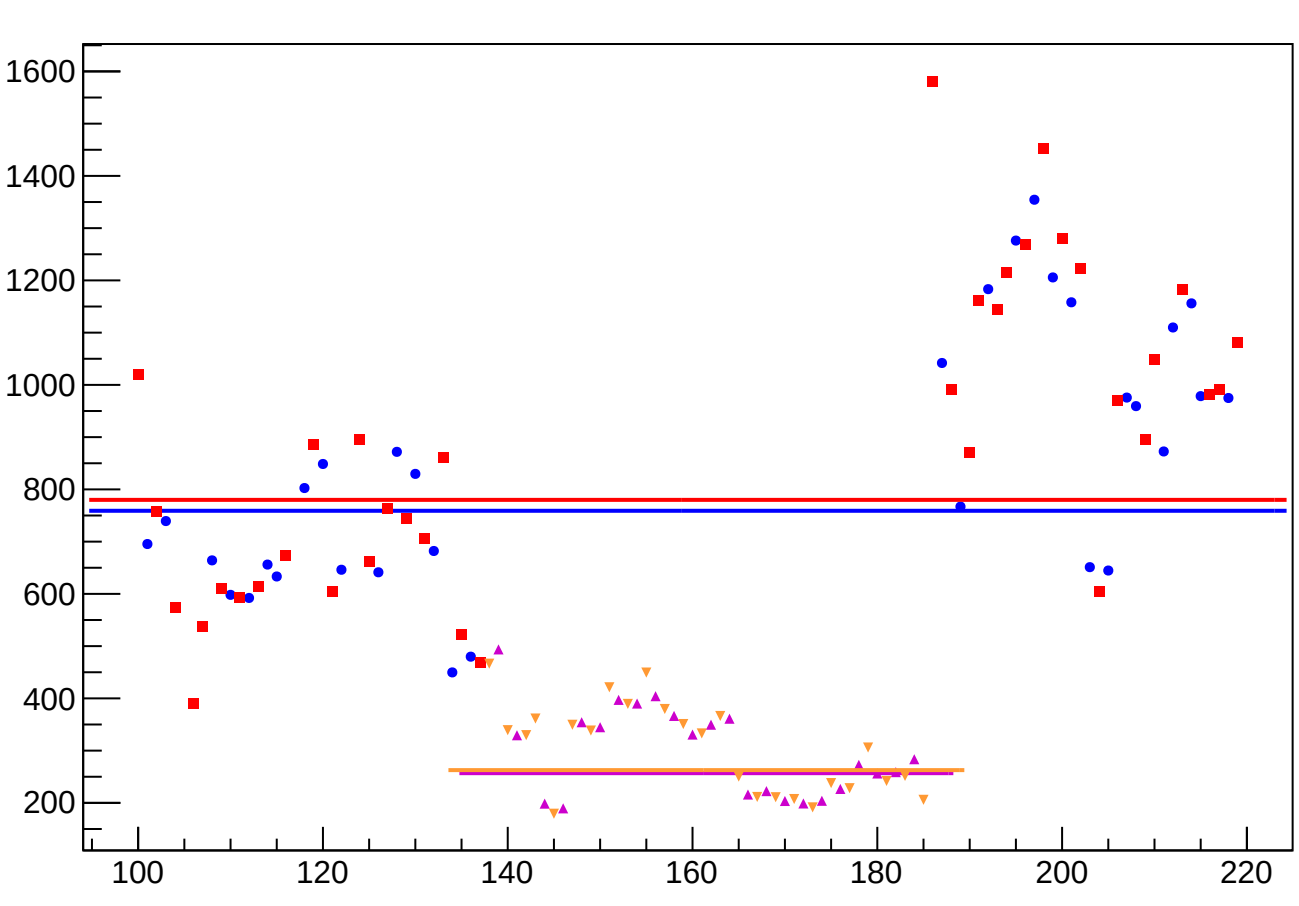
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 88.627+/-125.868 χ^2/NDF: 147.3/68

In: -51.520+/-59.108 χ^2/NDF:91.6/54

Out: -145.273+/-58.847 χ^2/NDF:166.8/61

All: -98.604+/-41.703 χ^2/NDF: 259.6/116



Right In: 759.048+/-0.126 χ^2/NDF: 3376499.2/31

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 779.942+/-0.126 χ^2/NDF: 4224578.9/36

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

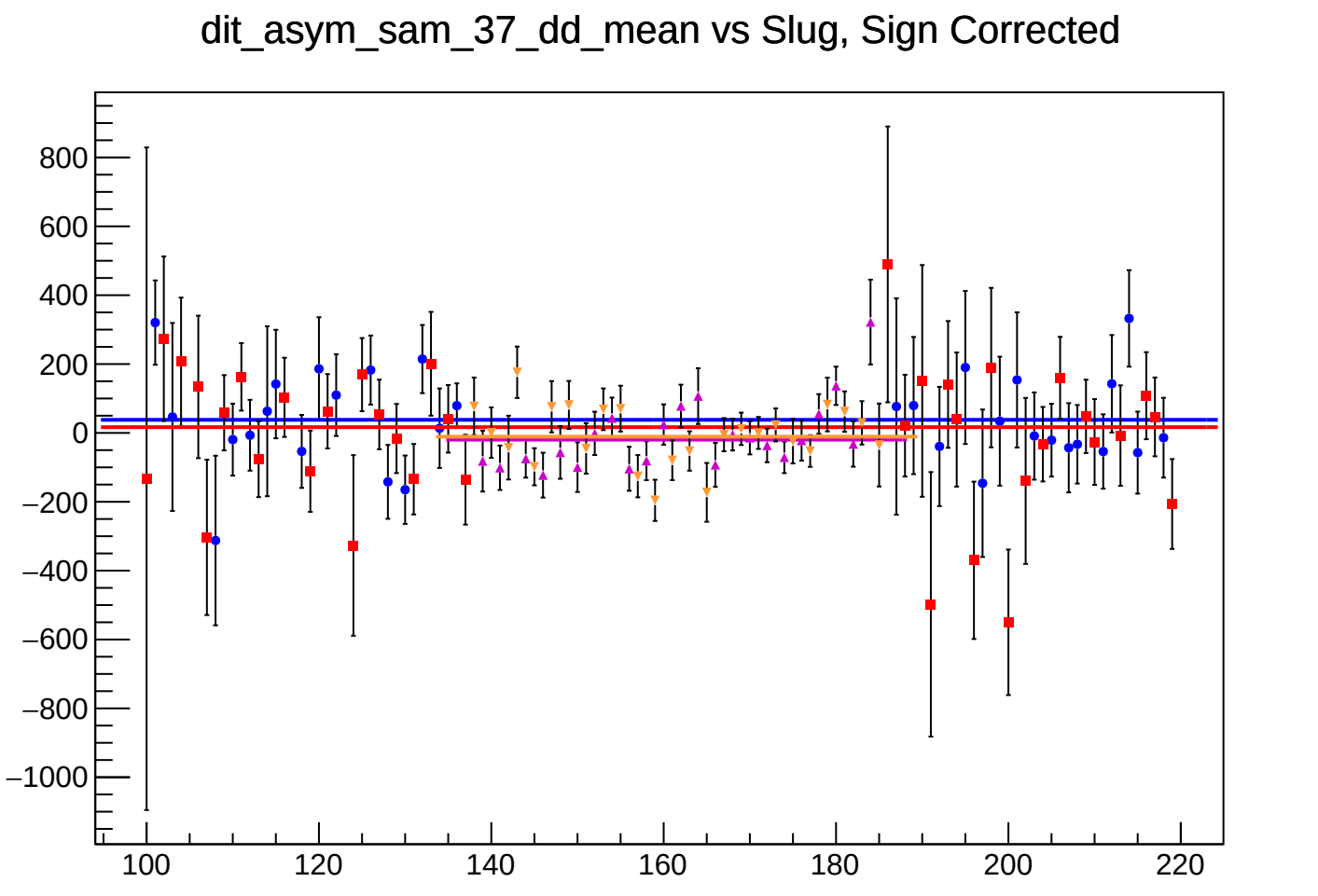
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 769.476+/-0.089 χ^2/NDF: 7614855.8/68

In: 312.318+/-0.042 χ^2/NDF:20202484.6/54

Out: 319.109+/-0.042 χ^2/NDF:22136767.0/61

All: 315.728+/-0.029 χ^2/NDF: 42352511.8/11



Right In: 38.046+/-22.182 χ^2/NDF: 32.6/31

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 16.699+/-22.640 χ^2/NDF: 39.0/36

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

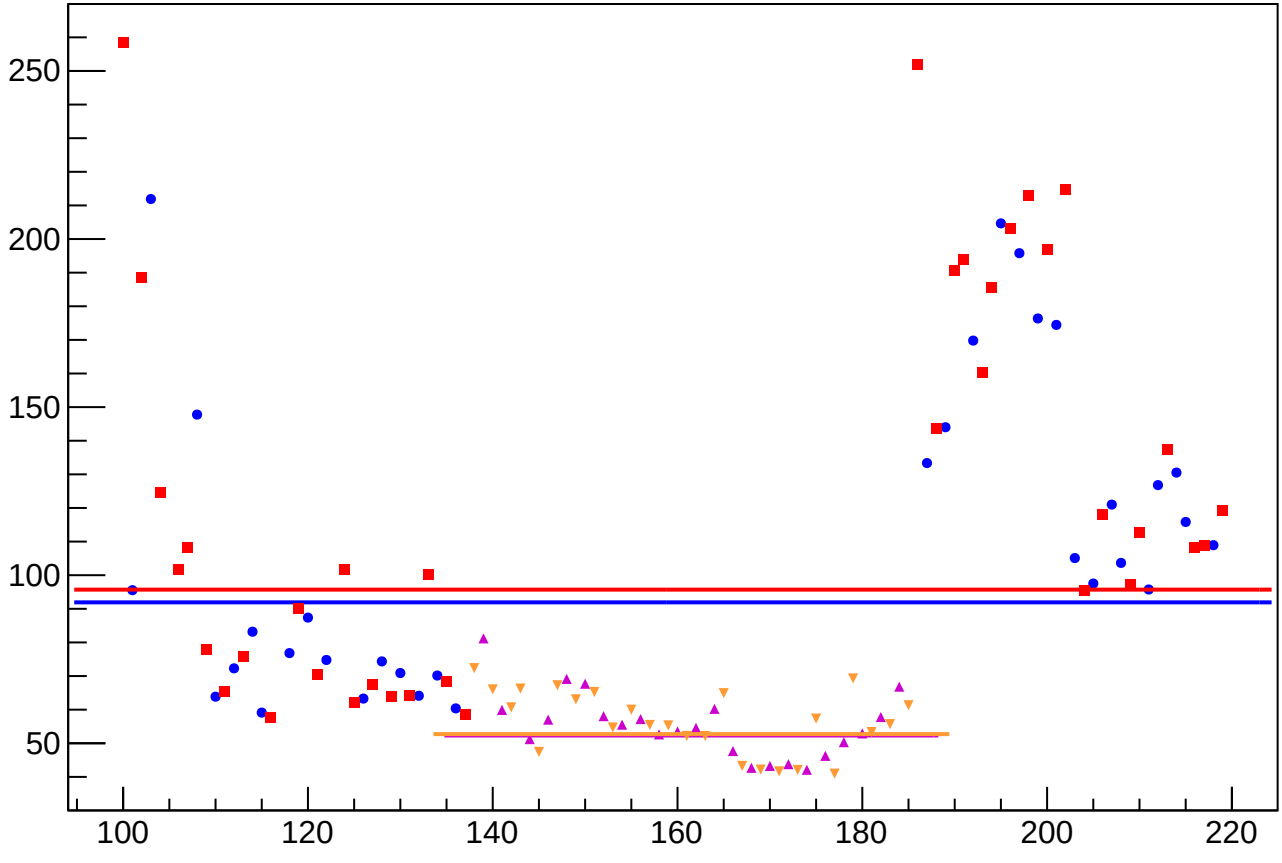
Right: 27.590+/-15.844 χ^2/NDF: 72.1/68

In: -5.627+/-10.920 χ^2/NDF:74.5/54

Out: -4.546+/-10.812 χ^2/NDF:80.5/61

All: -5.081+/-7.683 χ^2/NDF: 155.0/116

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 91.921+/-0.016 χ^2/NDF: 4761134.6/31

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 95.707+/-0.016 χ^2/NDF: 5892279.3/36

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

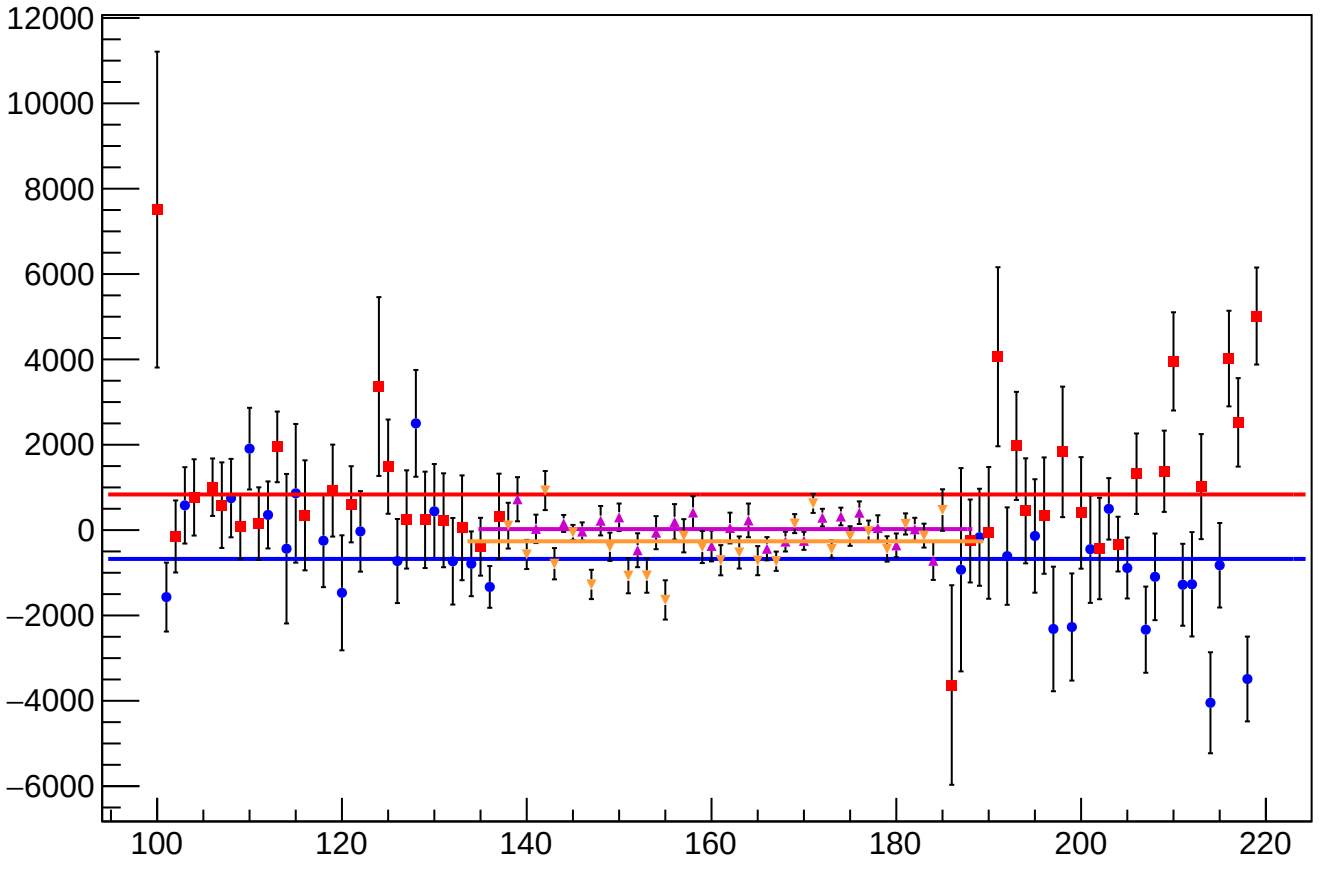
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 93.776+/-0.011 χ^2/NDF: 10681958.0/68

In: 61.913+/-0.008 χ^2/NDF:10483937.4/54

Out: 62.533+/-0.008 χ^2/NDF:12622766.1/61

All: 62.226+/-0.005 χ^2/NDF: 23109959.5/116



Right In: -675.492+/-172.431 χ^2/NDF: 51.5/31

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 834.631+/-170.250 χ^2/NDF: 60.8/36

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

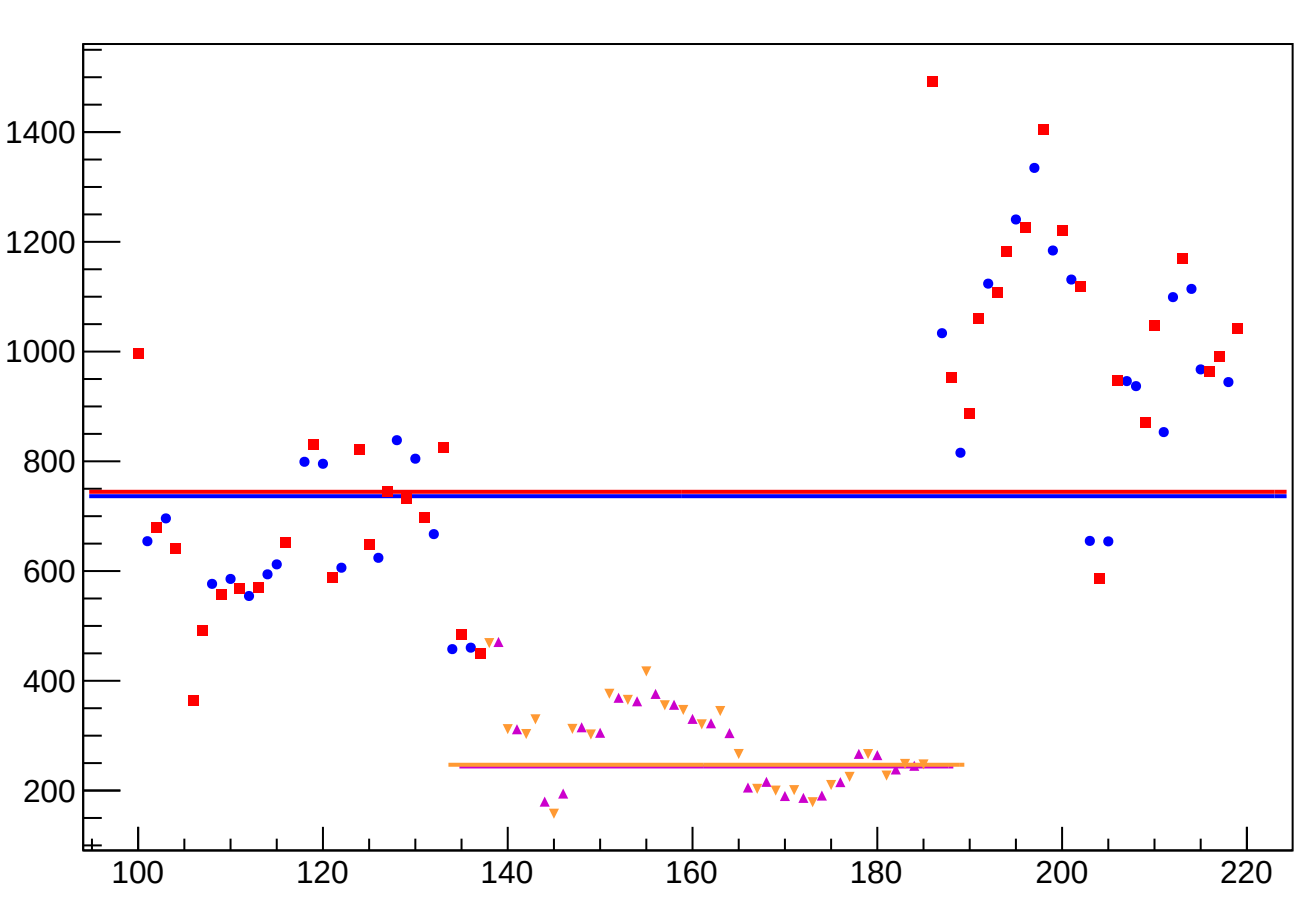
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 89.181+/-121.149 χ^2/NDF: 151.2/68

In: -50.670+/-56.158 χ^2/NDF:90.3/54

Out: -146.712+/-55.326 χ^2/NDF:170.2/61

All: -99.408+/-39.412 χ^2/NDF: 262.0/116



Right In: 736.417+/-0.122 χ^2/NDF: 3447613.8/31

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 744.462+/-0.120 χ^2/NDF: 4515458.2/36

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

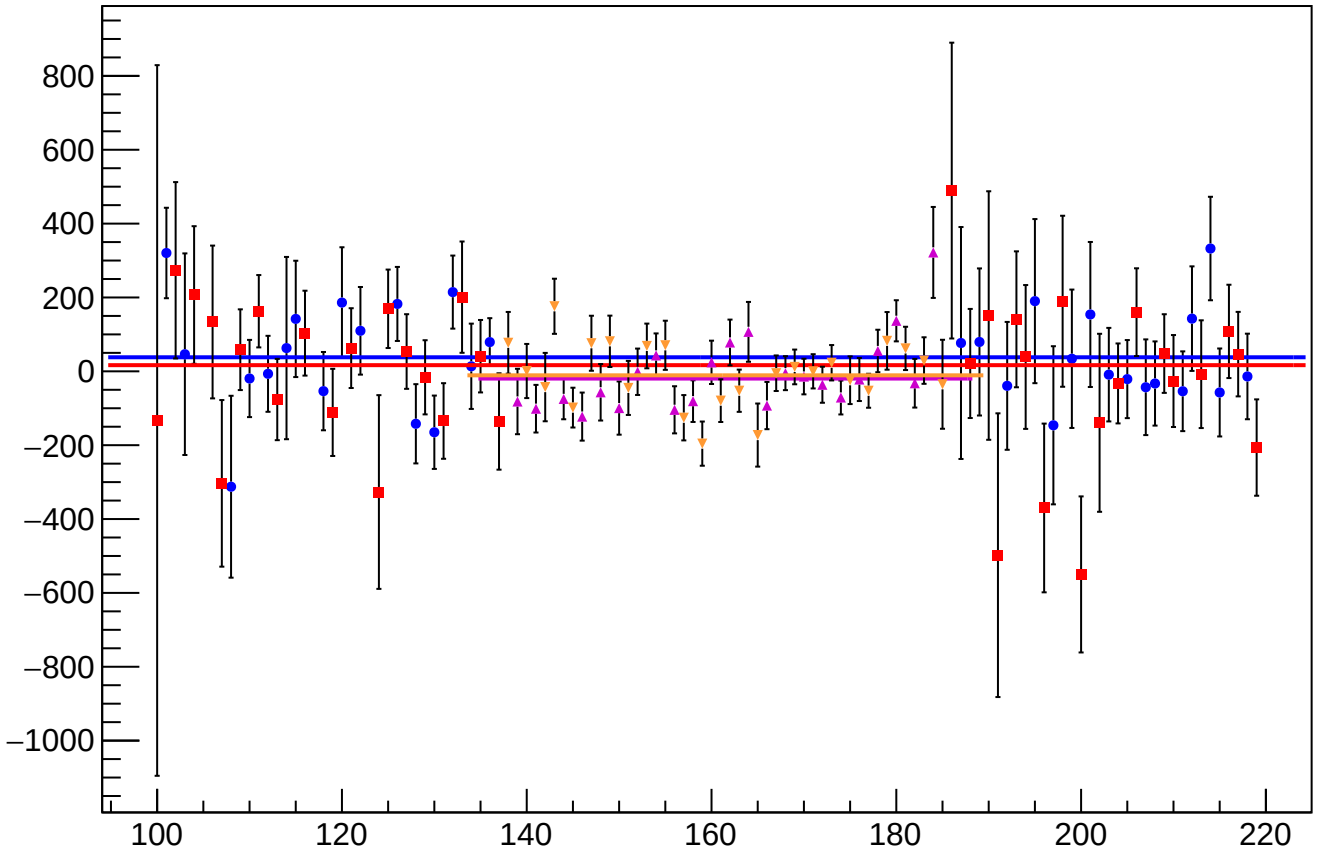
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 740.491+/-0.086 χ^2/NDF: 7965276.3/68

In: 296.075+/-0.040 χ^2/NDF:20528855.4/54

Out: 299.530+/-0.039 χ^2/NDF:22713714.0/61

All: 297.828+/-0.028 χ^2/NDF: 43246411.2/11



Right In: 38.046+/-22.182 χ^2/NDF: 32.6/31

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 16.698+/-22.640 χ^2/NDF: 39.0/36

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

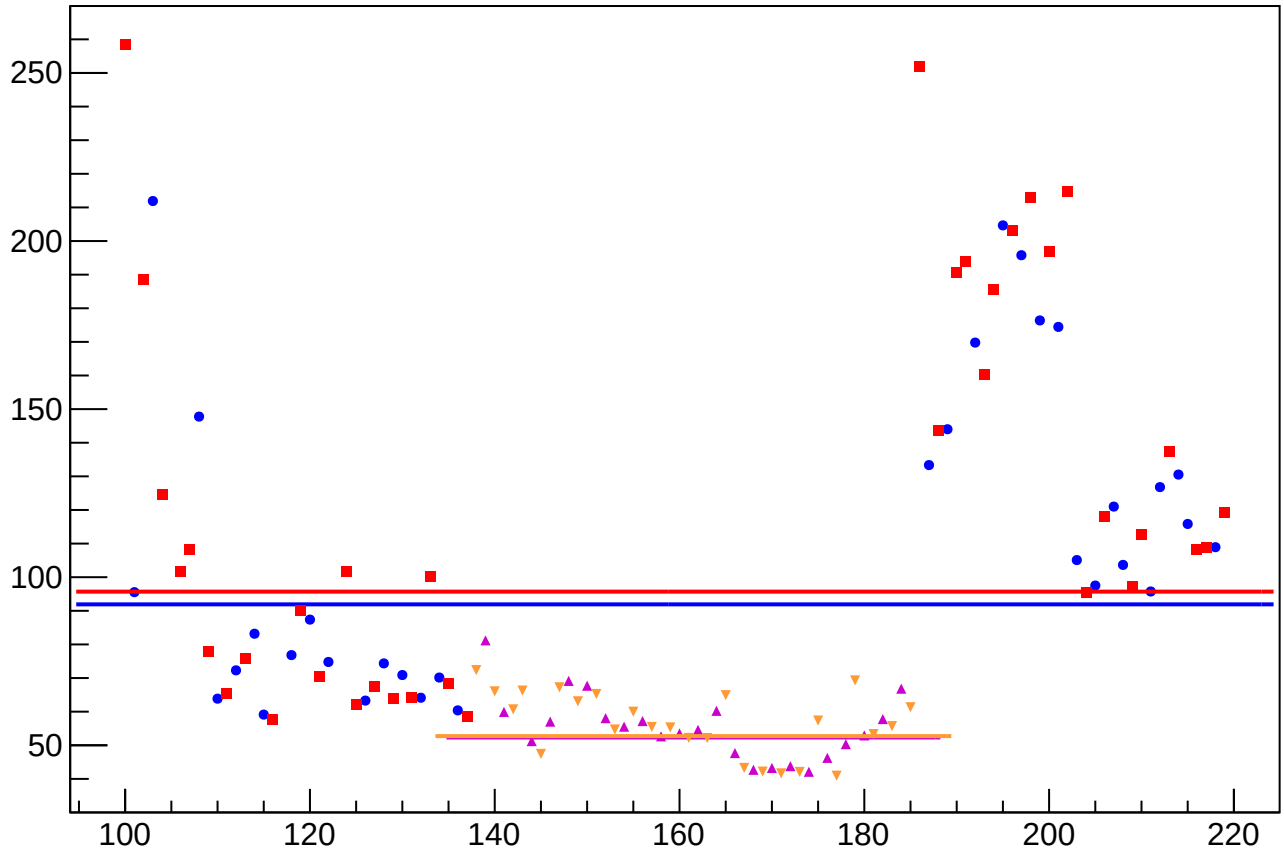
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 27.590+/-15.844 χ^2/NDF: 72.1/68

In: -5.627+/-10.920 χ^2/NDF:74.5/54

Out: -4.546+/-10.812 χ^2/NDF:80.5/61

All: -5.081+/-7.683 χ^2/NDF: 155.0/116



Right In: 91.921+/-0.016 χ^2/NDF: 4761169.7/31

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 95.707+/-0.016 χ^2/NDF: 5892283.4/36

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

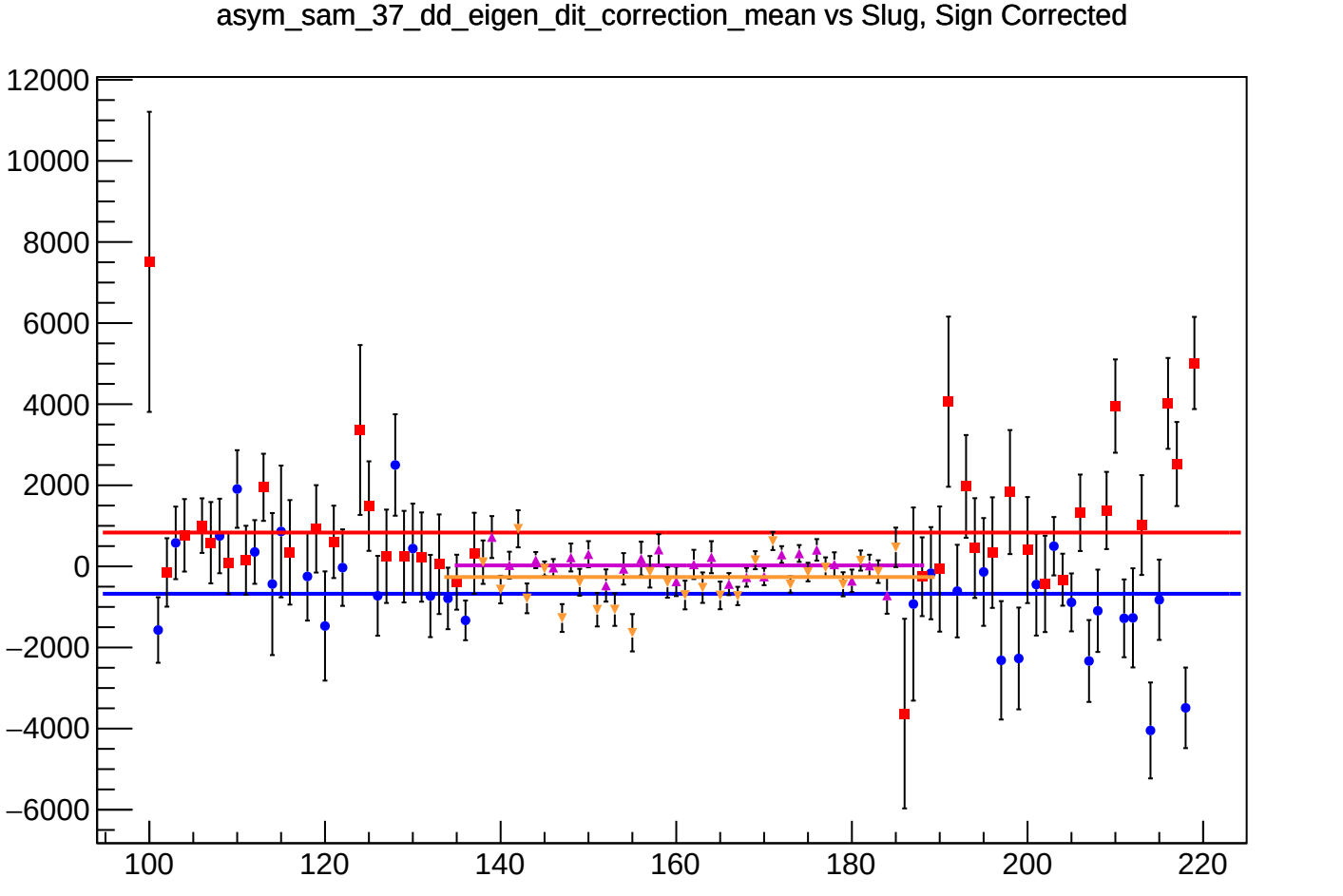
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 93.776+/-0.011 χ^2/NDF: 10681997.8/68

In: 61.913+/-0.008 χ^2/NDF:10483938.7/54

Out: 62.533+/-0.008 χ^2/NDF:12622759.8/61

All: 62.226+/-0.005 χ^2/NDF: 23109954.7/116



Right In: -675.492+/-172.431 χ^2/NDF: 51.5/31

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 834.631+/-170.250 χ^2/NDF: 60.8/36

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

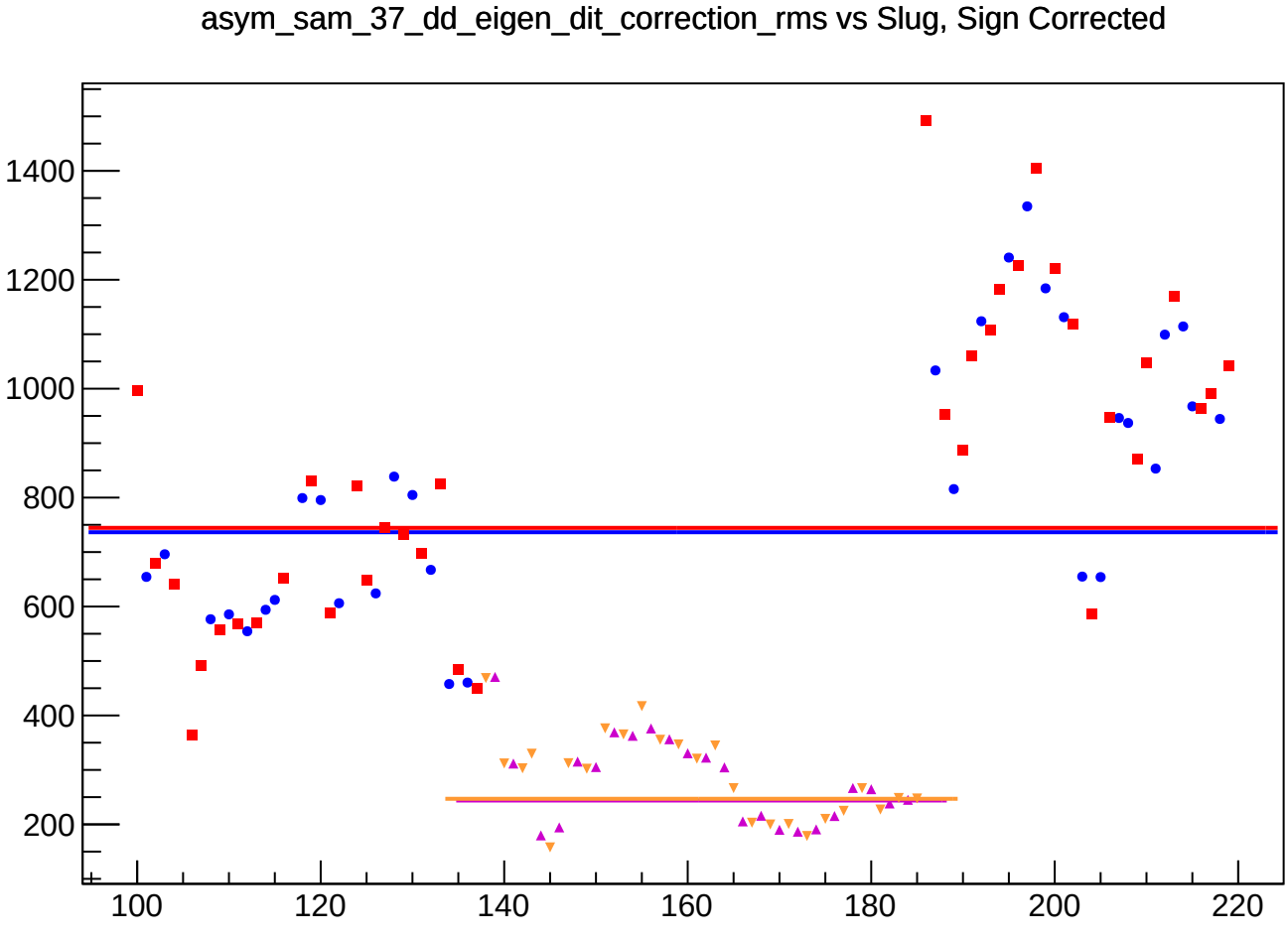
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 89.181+/-121.149 χ^2/NDF: 151.2/68

In: -50.670+/-56.158 χ^2/NDF:90.3/54

Out: -146.712+/-55.326 χ^2/NDF:170.2/61

All: -99.408+/-39.412 χ^2/NDF: 262.0/116



Right In: 736.417+/-0.122 χ^2/NDF: 3447592.4/31

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 744.461+/-0.120 χ^2/NDF: 4515448.2/36

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

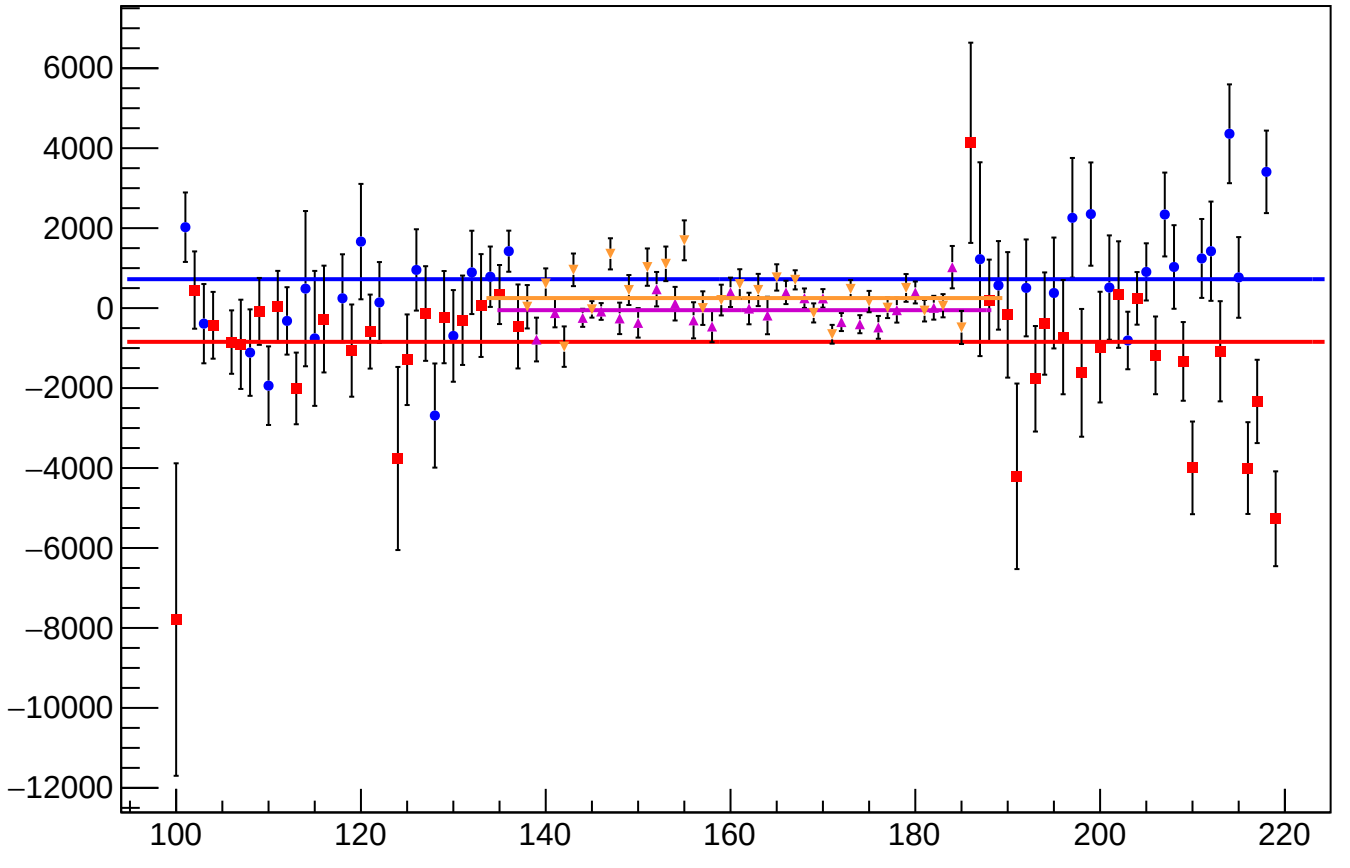
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 740.490+/-0.086 χ^2/NDF: 7965244.5/68

In: 296.074+/-0.040 χ^2/NDF:20528852.6/54

Out: 299.530+/-0.039 χ^2/NDF:22713693.3/61

All: 297.828+/-0.028 χ^2/NDF: 43246388.0/11



Right In: 723.233+/-179.321 χ^2/NDF: 53.2/31

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -843.927+/-179.666 χ^2/NDF: 57.8/36

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

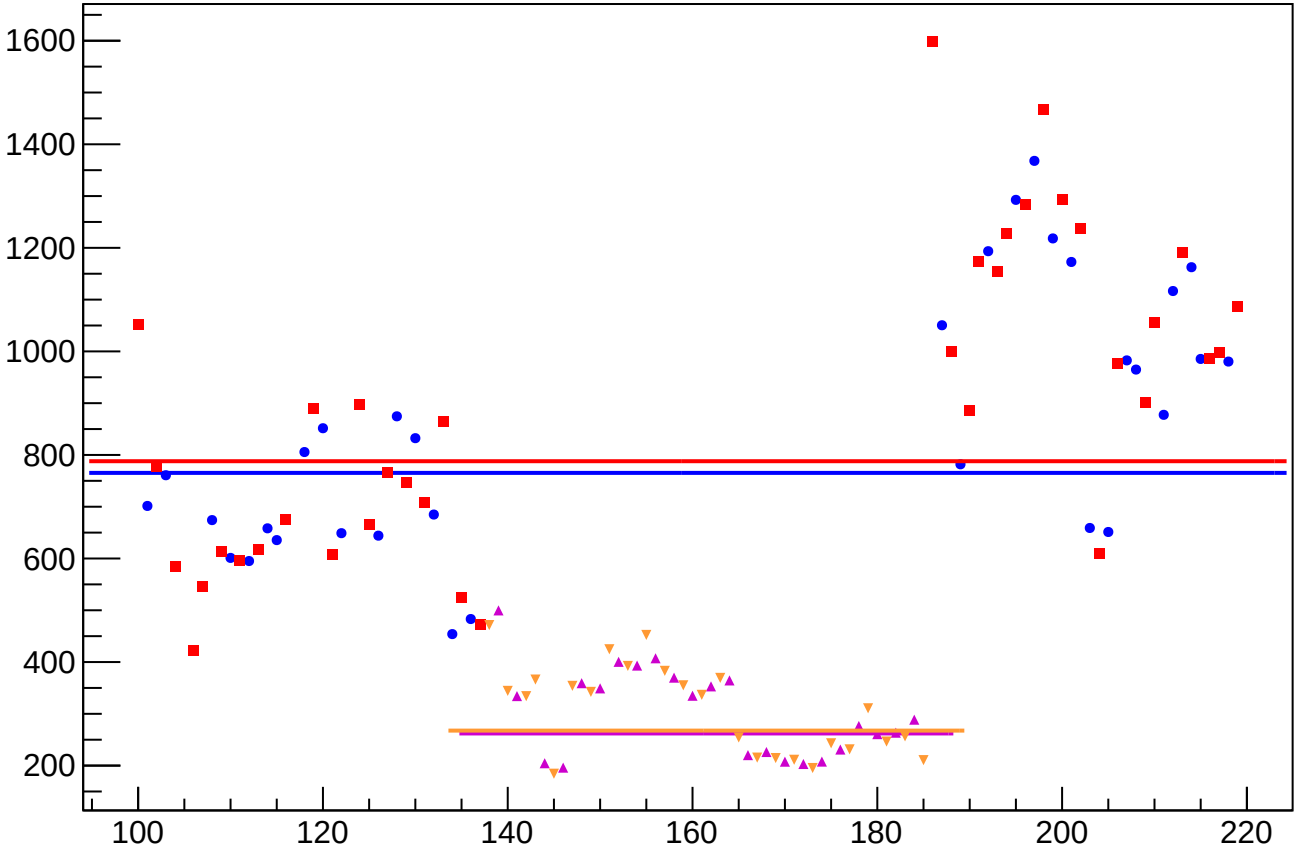
Right: -58.845+/-126.921 χ^2/NDF: 149.2/68

In: 35.470+/-60.145 χ^2/NDF:96.6/54

Out: 129.772+/-59.807 χ^2/NDF:158.4/61

All: 82.887+/-42.409 χ^2/NDF: 256.3/116

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 765.348+/-0.127 χ^2/NDF: 3380995.2/31

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 787.902+/-0.127 χ^2/NDF: 4159107.7/36

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

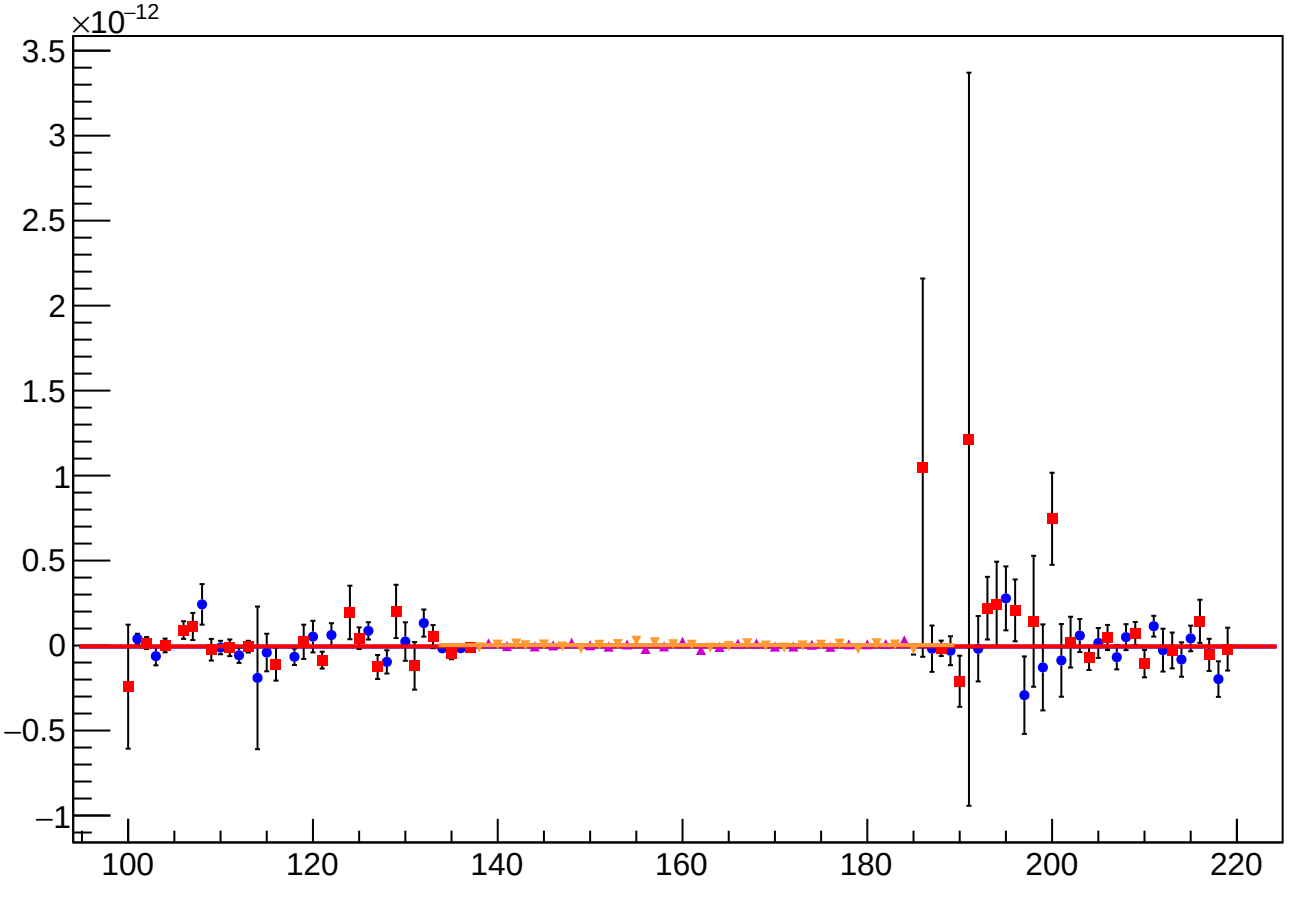
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 776.603+/-0.090 χ^2/NDF: 7555891.8/68

In: 318.706+/-0.043 χ^2/NDF:19898658.5/54

Out: 325.243+/-0.042 χ^2/NDF:21875624.7/61

All: 321.993+/-0.030 χ^2/NDF: 41786163.4/11



Right In: -0.000+/-0.000 χ^2/NDF: 35.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.8/36

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

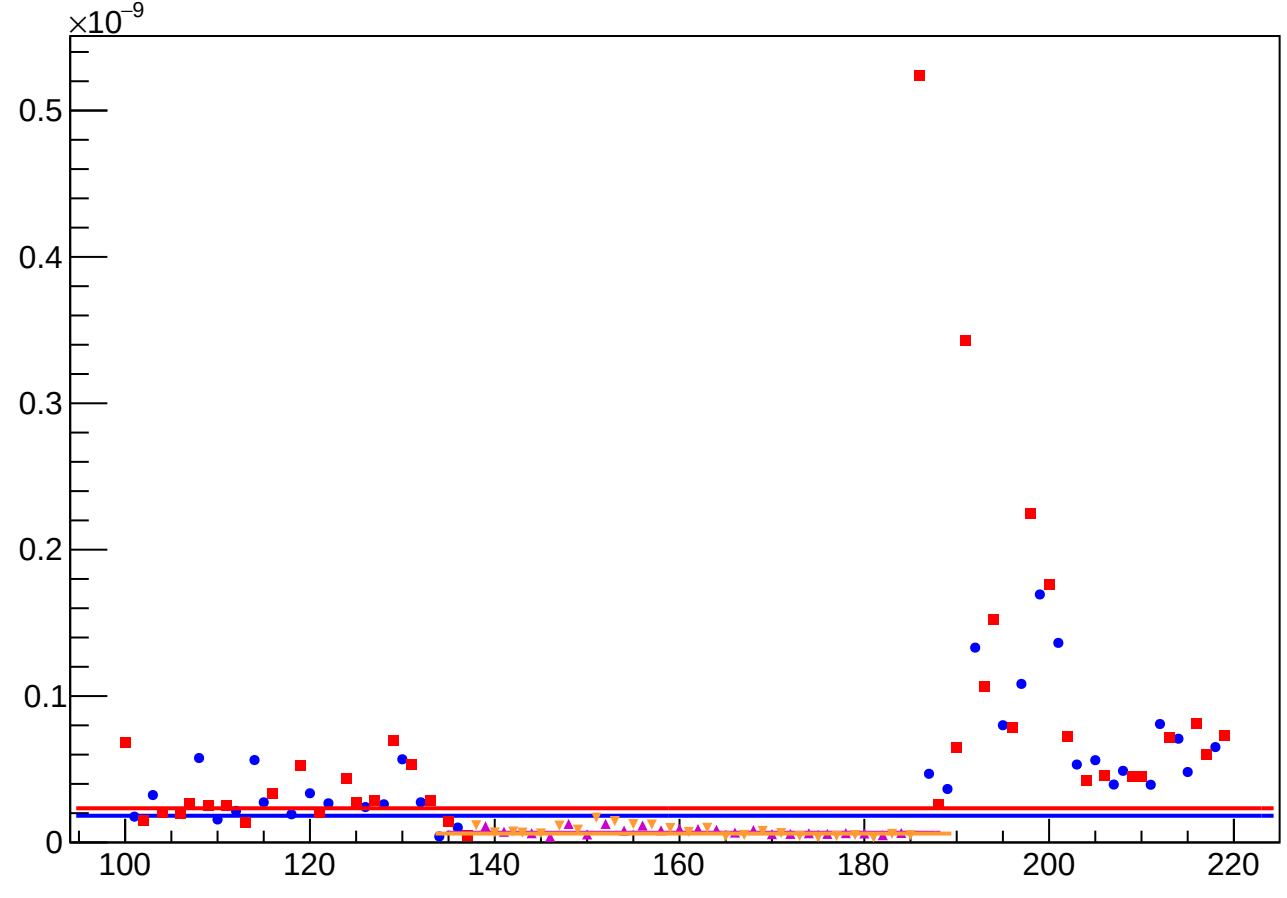
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 76.1/68

In: 0.000+/-0.000 χ^2/NDF:48.2/54

Out: 0.000+/-0.000 χ^2/NDF:56.5/61

All: 0.000+/-0.000 χ^2/NDF: 104.9/116



Right In: 0.000+/-0.000 χ^2/NDF: 8541902.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7483465.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

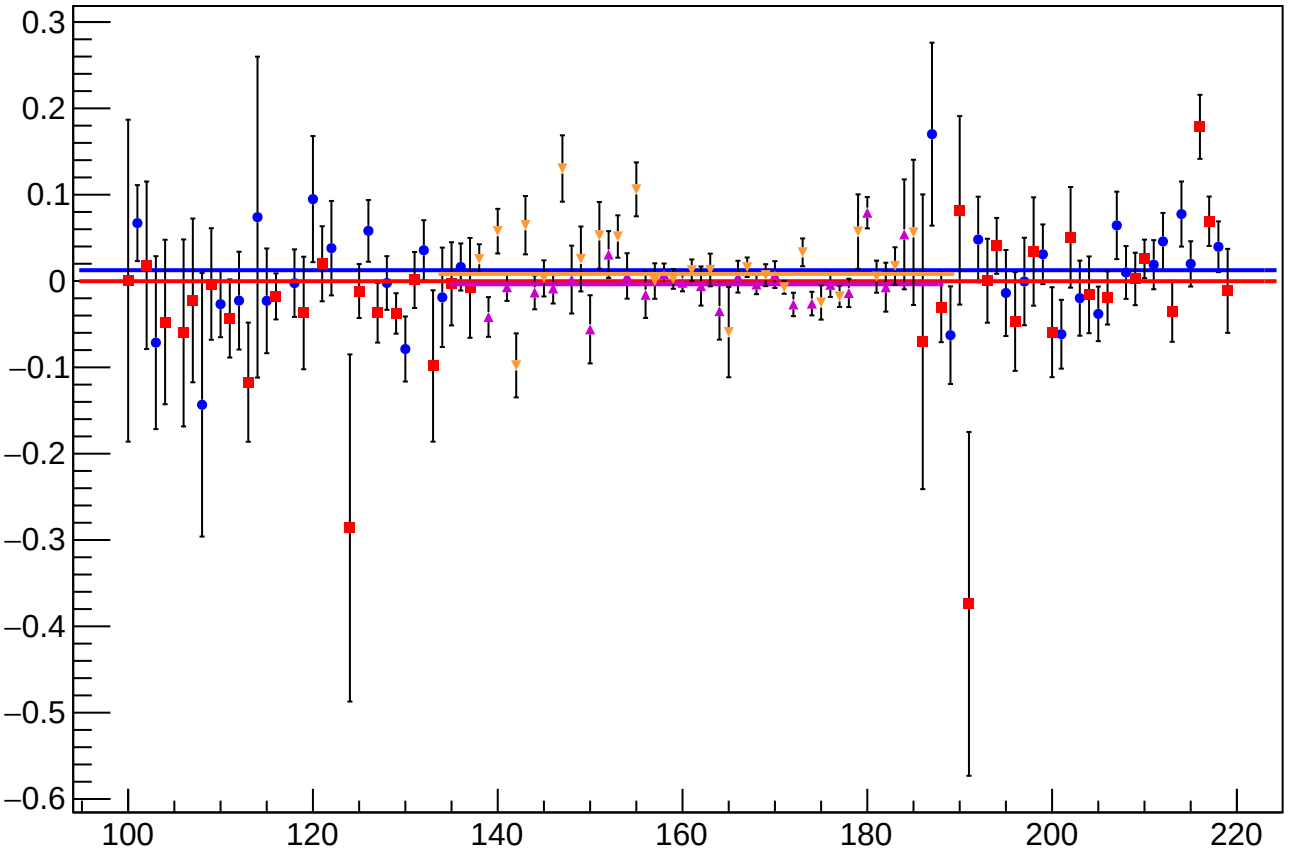
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 16308633.6/68

In: 0.000+/-0.000 χ^2/NDF:12918634.2/54

Out: 0.000+/-0.000 χ^2/NDF:15138113.2/61

All: 0.000+/-0.000 χ^2/NDF: 28121236.1/116



Right In: 0.013+/-0.007 χ^2/NDF: 33.7/31

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.000+/-0.007 χ^2/NDF: 53.9/36

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

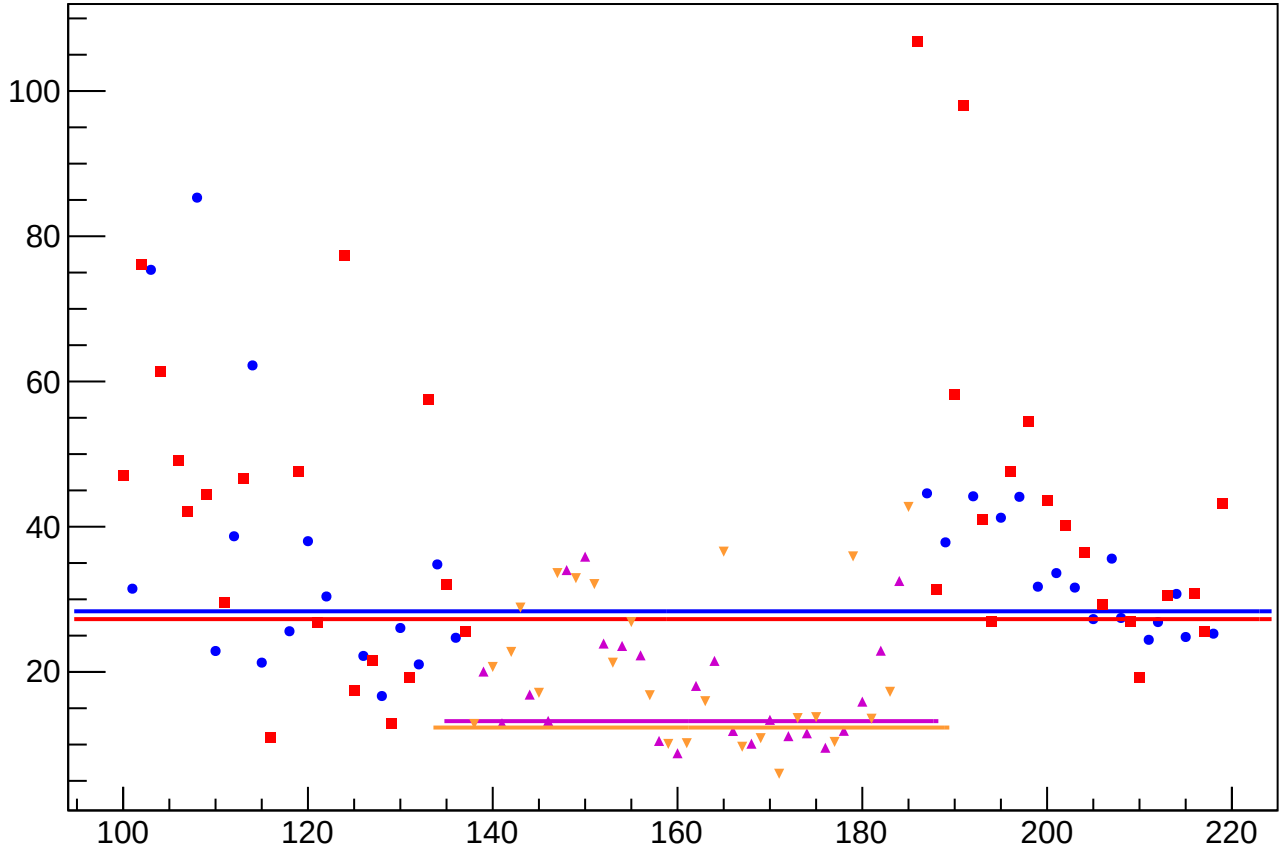
Right: 0.006+/-0.005 χ^2/NDF: 89.3/68

In: -0.000+/-0.003 χ^2/NDF:75.1/54

Out: 0.007+/-0.003 χ^2/NDF:113.9/61

All: 0.003+/-0.002 χ^2/NDF: 191.4/116

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.352+/-0.005 χ^2/NDF: 2356717.6/31

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.274+/-0.005 χ^2/NDF: 6232061.9/36

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

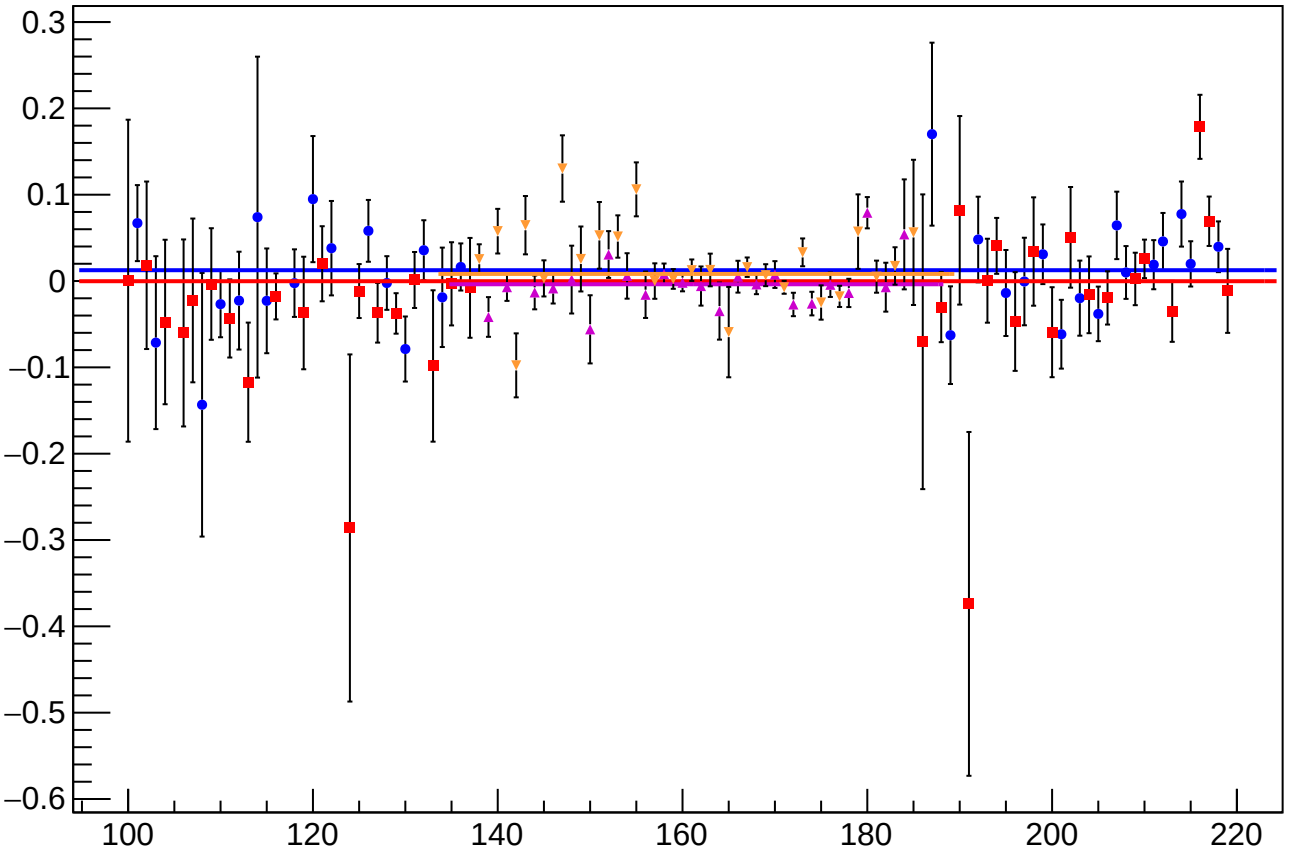
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.808+/-0.004 χ^2/NDF: 8612115.5/68

In: 16.373+/-0.002 χ^2/NDF:13440789.4/54

Out: 15.247+/-0.002 χ^2/NDF:20244214.8/61

All: 15.786+/-0.002 χ^2/NDF: 33811433.8/116



Right In: 0.013+/-0.007 χ^2/NDF: 33.7/31

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.000+/-0.007 χ^2/NDF: 53.9/36

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

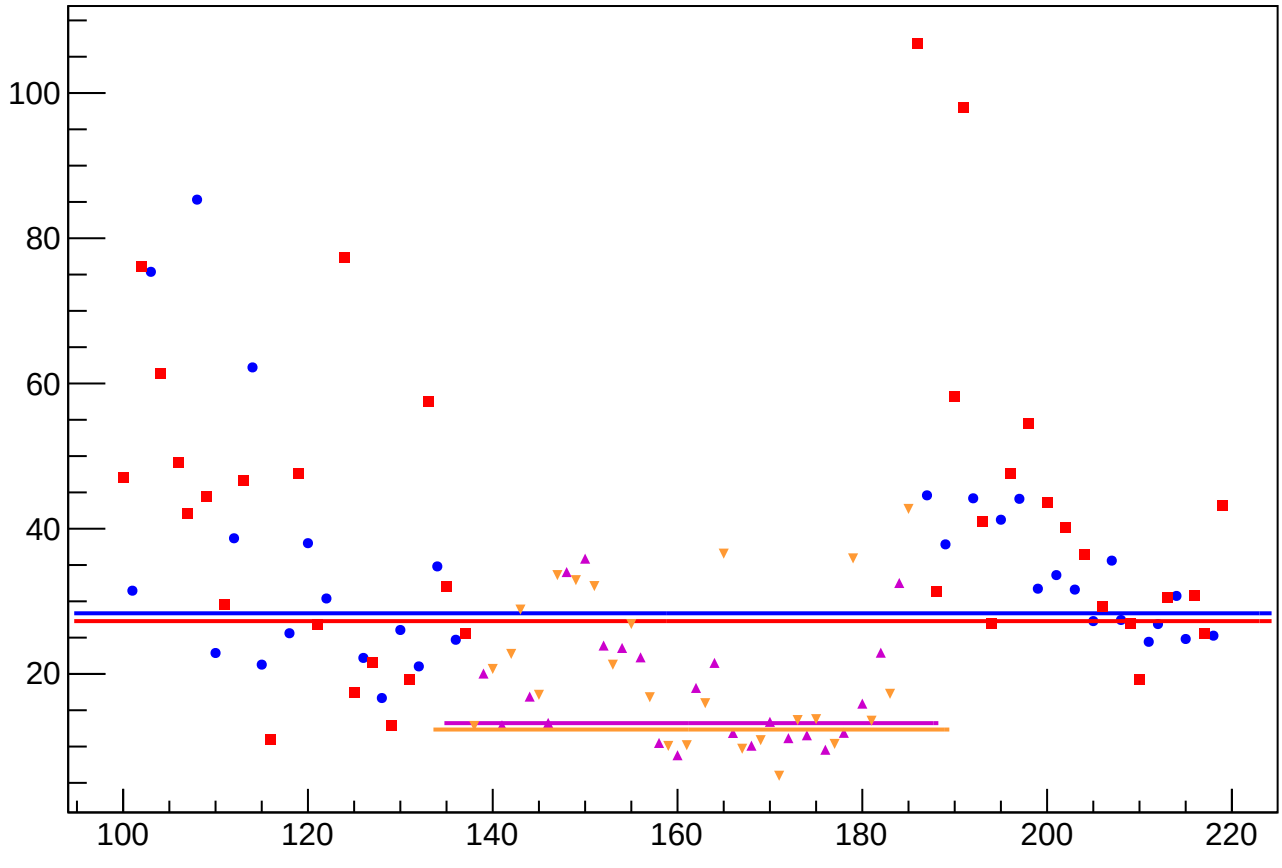
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: 0.006+/-0.005 χ^2/NDF: 89.3/68

In: -0.000+/-0.003 χ^2/NDF:75.1/54

Out: 0.007+/-0.003 χ^2/NDF:113.9/61

All: 0.003+/-0.002 χ^2/NDF: 191.4/116



Right In: 28.352+/-0.005 χ^2/NDF: 2356717.6/31

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.274+/-0.005 χ^2/NDF: 6232061.9/36

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

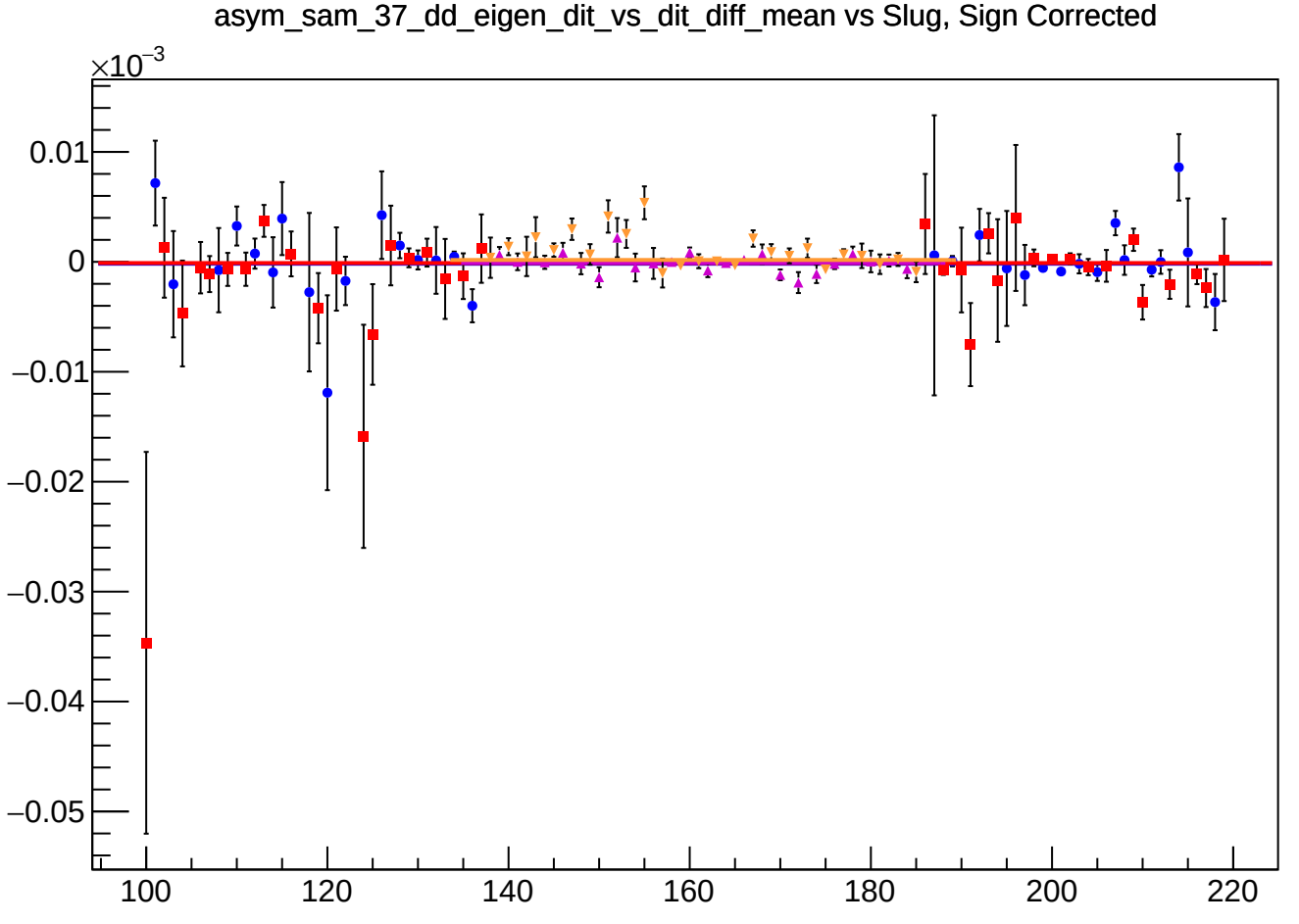
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.808+/-0.004 χ^2/NDF: 8612115.5/68

In: 16.373+/-0.002 χ^2/NDF:13440789.4/54

Out: 15.247+/-0.002 χ^2/NDF:20244214.8/61

All: 15.786+/-0.002 χ^2/NDF: 33811433.8/116



Right In: -0.000+/-0.000 χ^2/NDF: 52.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.2/36

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

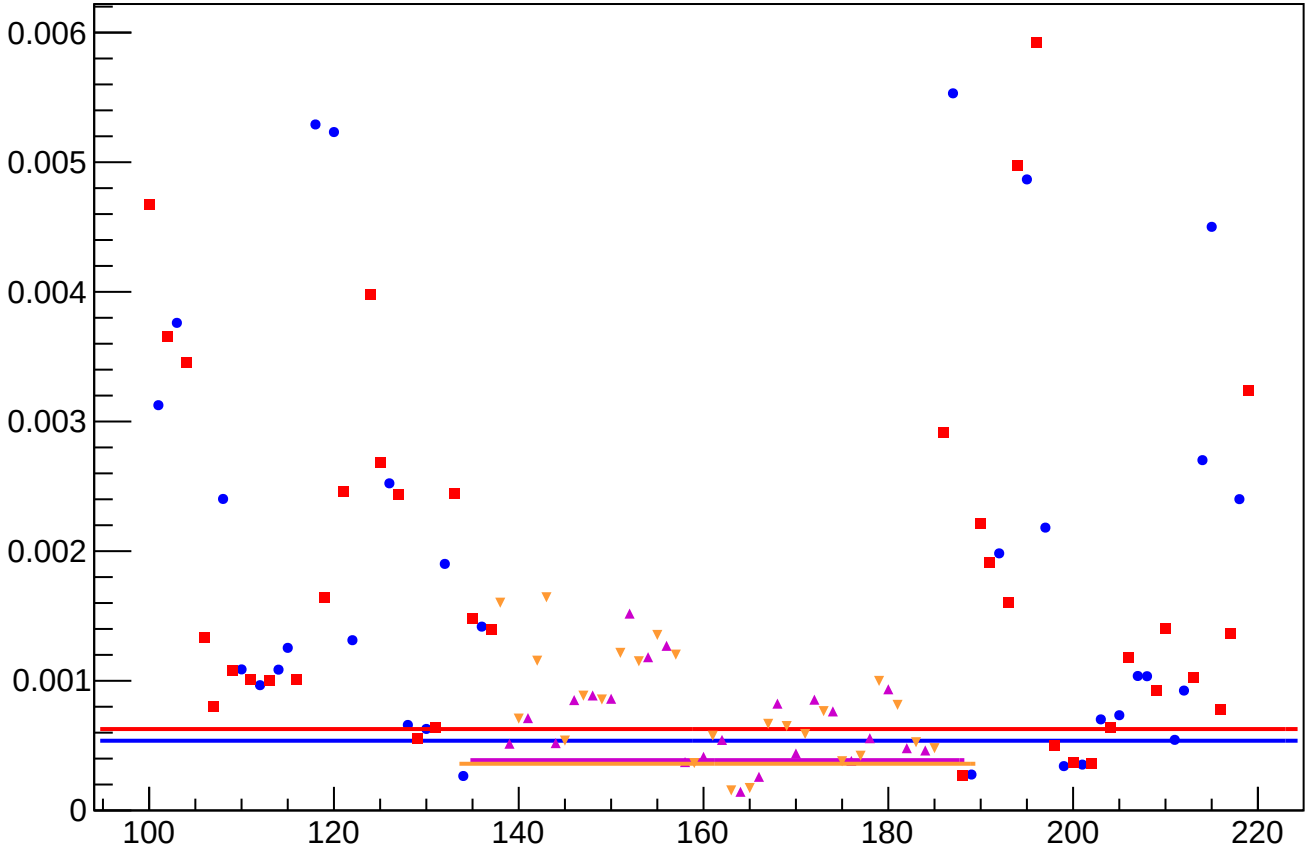
Right: -0.000+/-0.000 χ^2/NDF: 99.1/68

In: -0.000+/-0.000 χ^2/NDF:77.5/54

Out: 0.000+/-0.000 χ^2/NDF:109.3/61

All: -0.000+/-0.000 χ^2/NDF: 189.6/116

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 16052924.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 14453562.7/36

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

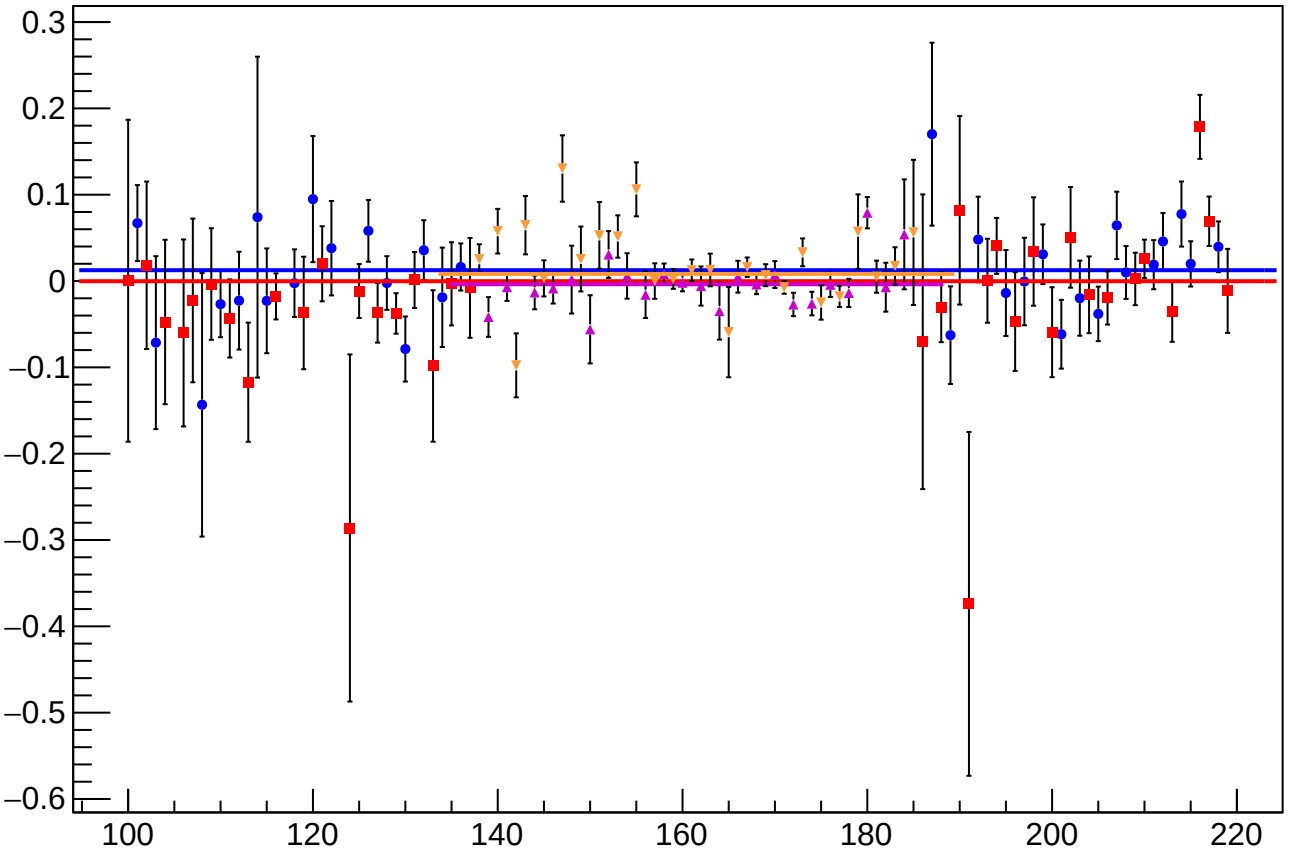
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 30760629.4/68

In: 0.000+/-0.000 χ^2/NDF:27613657.4/54

Out: 0.000+/-0.000 χ^2/NDF:31540601.9/61

All: 0.000+/-0.000 χ^2/NDF: 59169250.8/116



Right In: 0.013+/-0.007 χ^2/NDF: 33.7/31

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.000+/-0.007 χ^2/NDF: 53.9/36

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

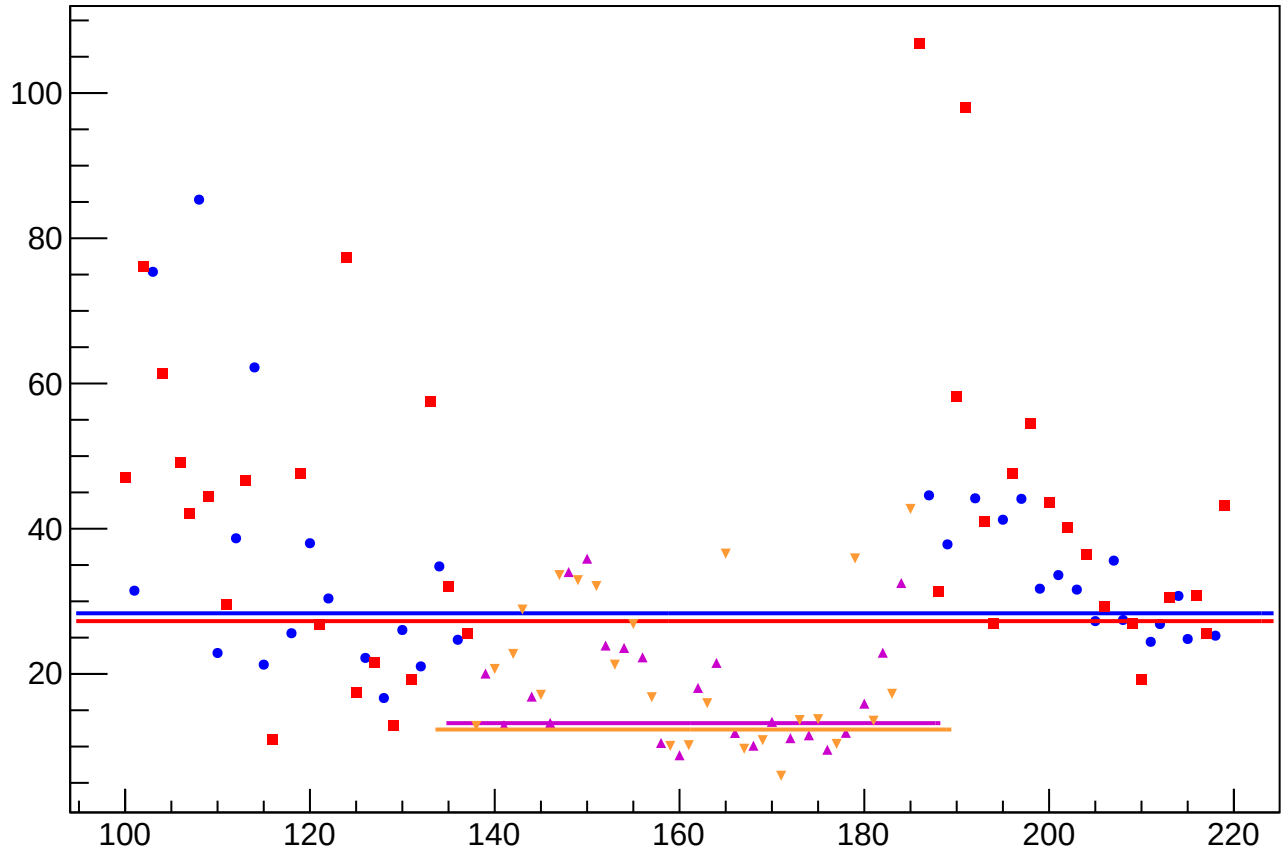
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: 0.006+/-0.005 χ^2/NDF: 89.3/68

In: -0.000+/-0.003 χ^2/NDF:75.1/54

Out: 0.007+/-0.003 χ^2/NDF:113.9/61

All: 0.003+/-0.002 χ^2/NDF: 191.4/116



Right In: 28.353+/-0.005 χ^2/NDF: 2356606.3/31

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 27.274+/-0.005 χ^2/NDF: 6231761.6/36

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

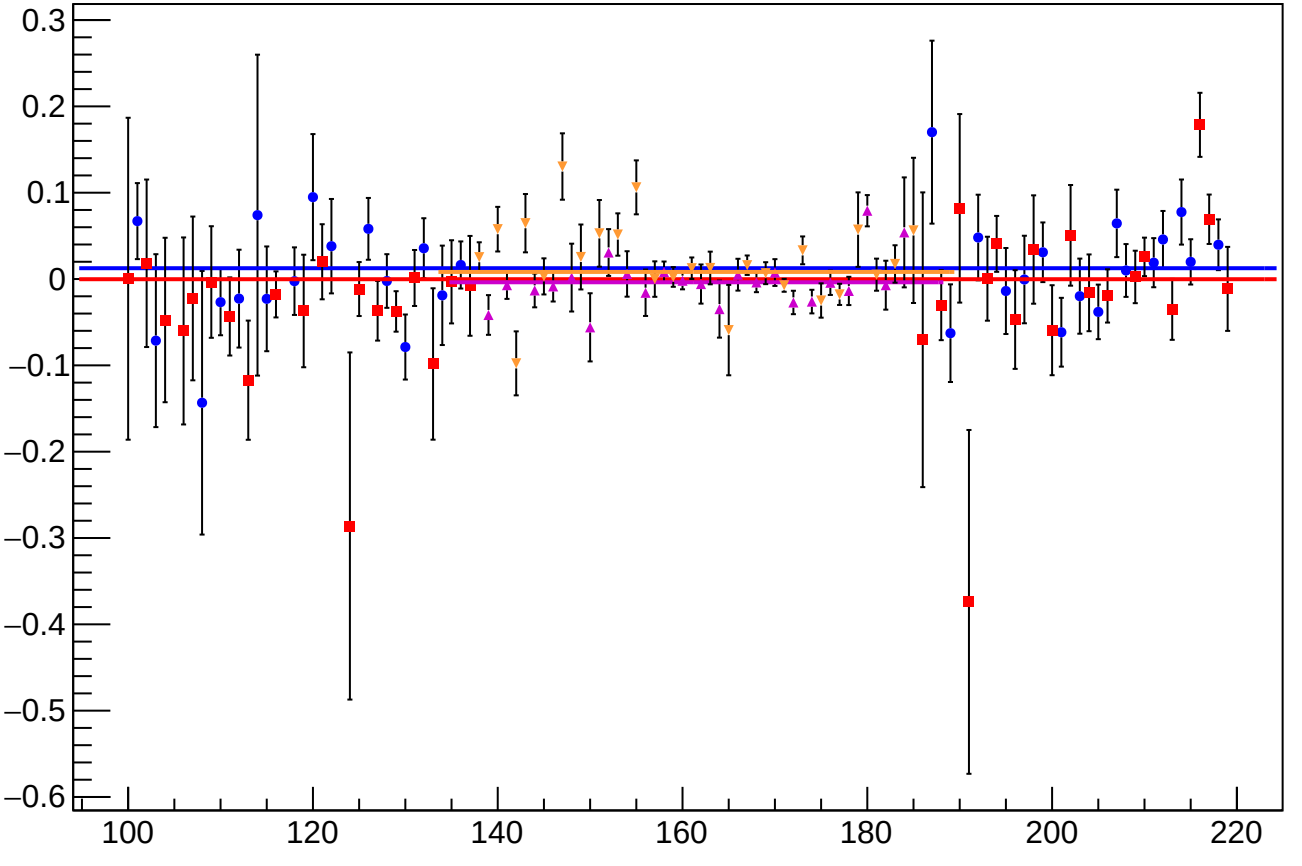
Right: 27.809+/-0.004 χ^2/NDF: 8611704.7/68

In: 16.373+/-0.002 χ^2/NDF:13441113.9/54

Out: 15.247+/-0.002 χ^2/NDF:20244388.0/61

All: 15.786+/-0.002 χ^2/NDF: 33811918.3/116

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.007 χ^2/NDF: 33.7/31

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.000+/-0.007 χ^2/NDF: 53.9/36

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

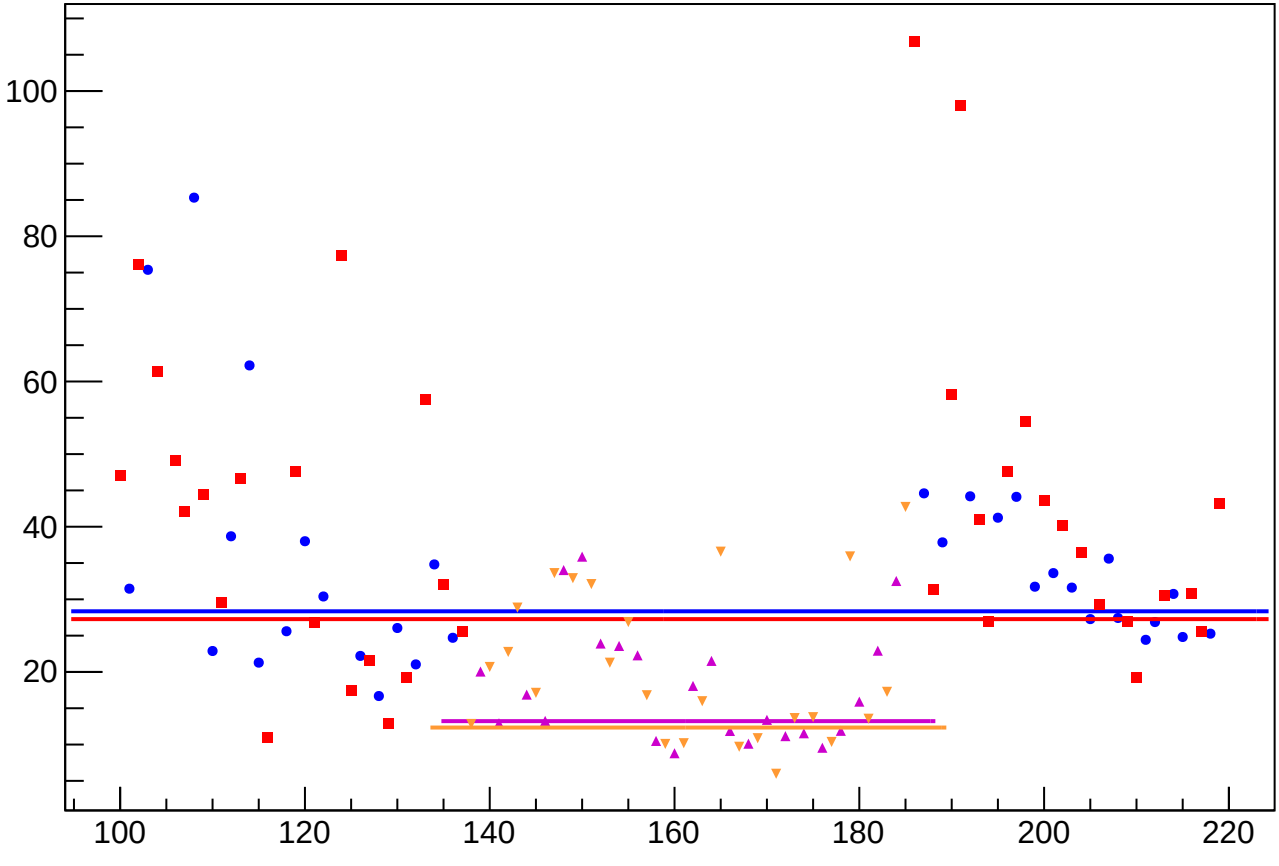
Right: 0.006+/-0.005 χ^2/NDF: 89.3/68

In: -0.000+/-0.003 χ^2/NDF:75.1/54

Out: 0.007+/-0.003 χ^2/NDF:113.9/61

All: 0.003+/-0.002 χ^2/NDF: 191.4/116

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.353+/-0.005 χ^2/NDF: 2356606.3/31

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 27.274+/-0.005 χ^2/NDF: 6231761.6/36

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

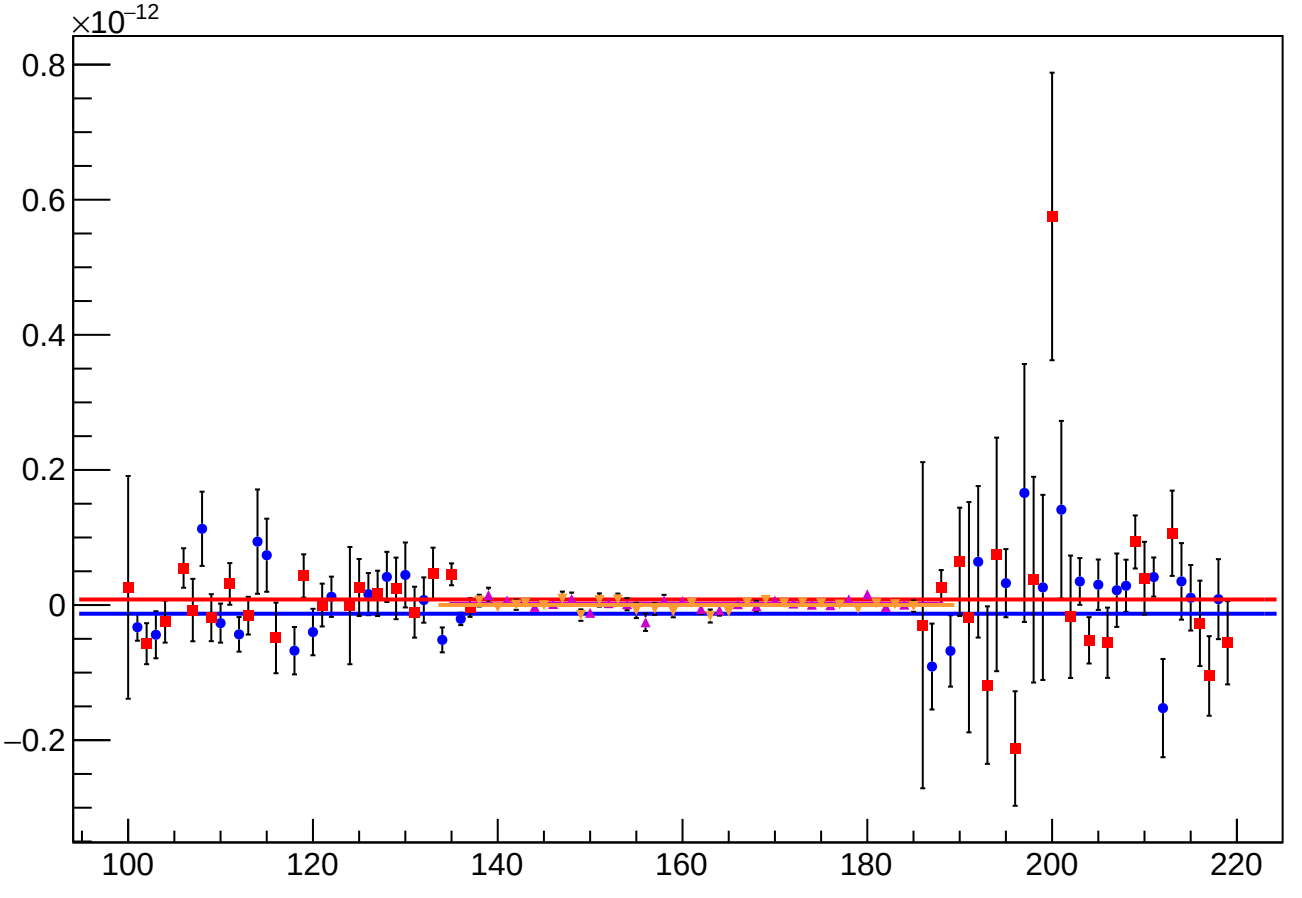
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 27.809+/-0.004 χ^2/NDF: 8611704.7/68

In: 16.373+/-0.002 χ^2/NDF:13441113.9/54

Out: 15.247+/-0.002 χ^2/NDF:20244388.0/61

All: 15.786+/-0.002 χ^2/NDF: 33811918.3/116



Right In: -0.000+/-0.000 χ^2/NDF: 46.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 53.9/36

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

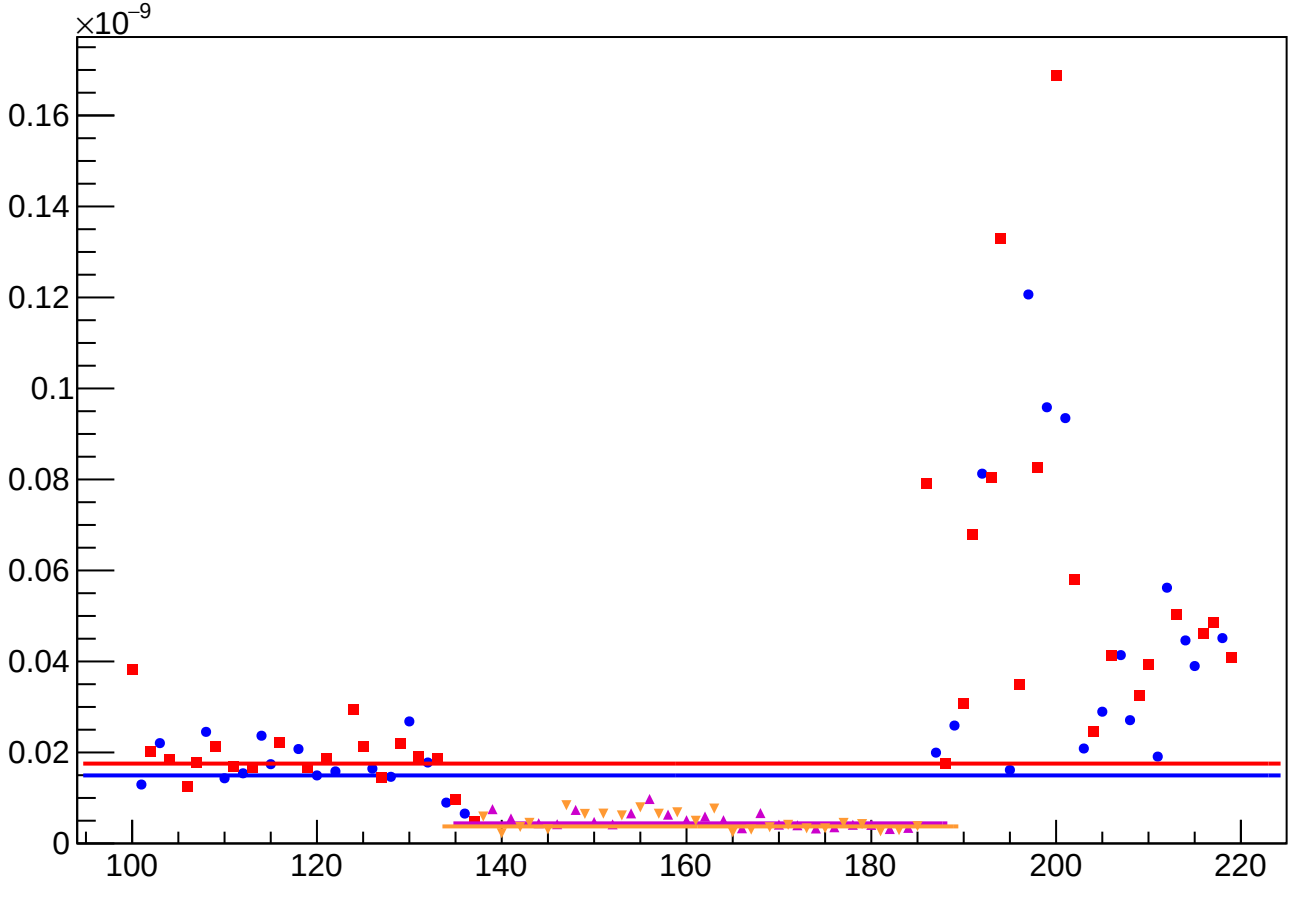
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 106.7/68

In: 0.000+/-0.000 χ^2/NDF:78.5/54

Out: 0.000+/-0.000 χ^2/NDF:77.2/61

All: 0.000+/-0.000 χ^2/NDF: 155.8/116



Right In: 0.000+/-0.000 χ^2/NDF: 8343596.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9005481.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

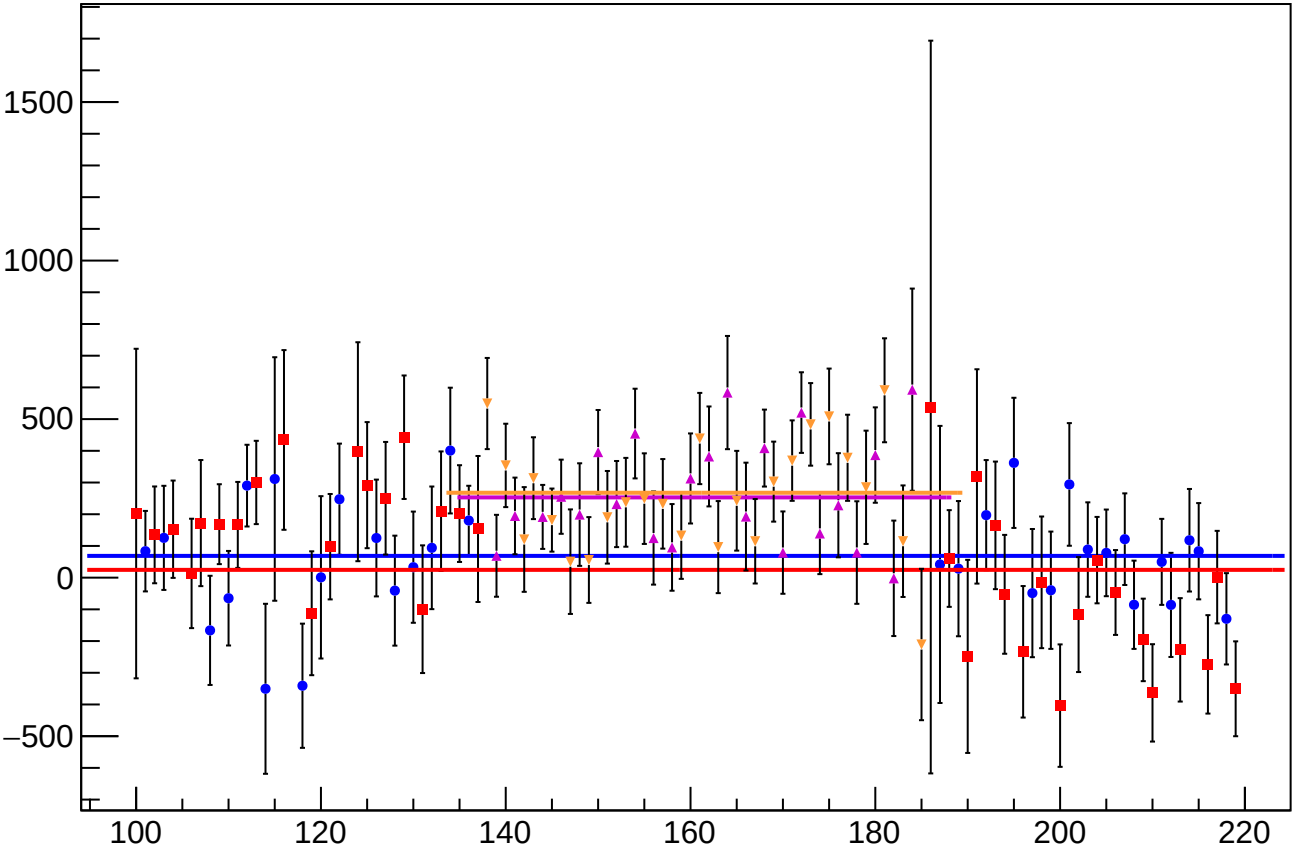
Right: 0.000+/-0.000 χ^2/NDF: 17552369.7/68

In: 0.000+/-0.000 χ^2/NDF:17140886.2/54

Out: 0.000+/-0.000 χ^2/NDF:22089823.3/61

All: 0.000+/-0.000 χ^2/NDF: 39628983.5/116

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 68.633+/-29.523 χ^2/NDF: 27.4/31

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 24.559+/-28.789 χ^2/NDF: 55.3/36

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

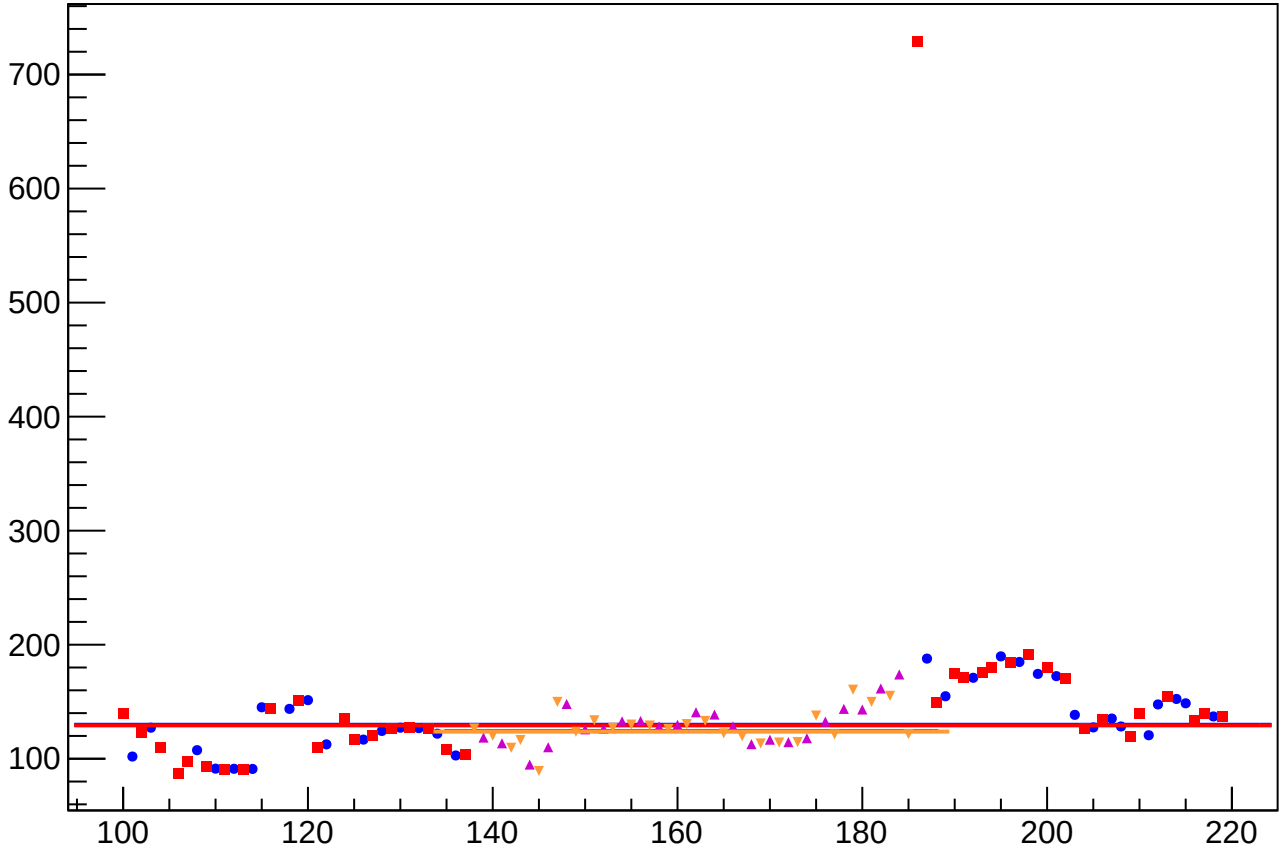
Right: 46.041+/-20.611 χ^2/NDF: 83.8/68

In: 161.499+/-20.801 χ^2/NDF:73.3/54

Out: 147.792+/-20.221 χ^2/NDF:122.4/61

All: 154.452+/-14.499 χ^2/NDF: 195.9/116

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 129.777+/-0.021 χ^2/NDF: 1494617.5/31

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 129.257+/-0.020 χ^2/NDF: 2404627.4/36

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

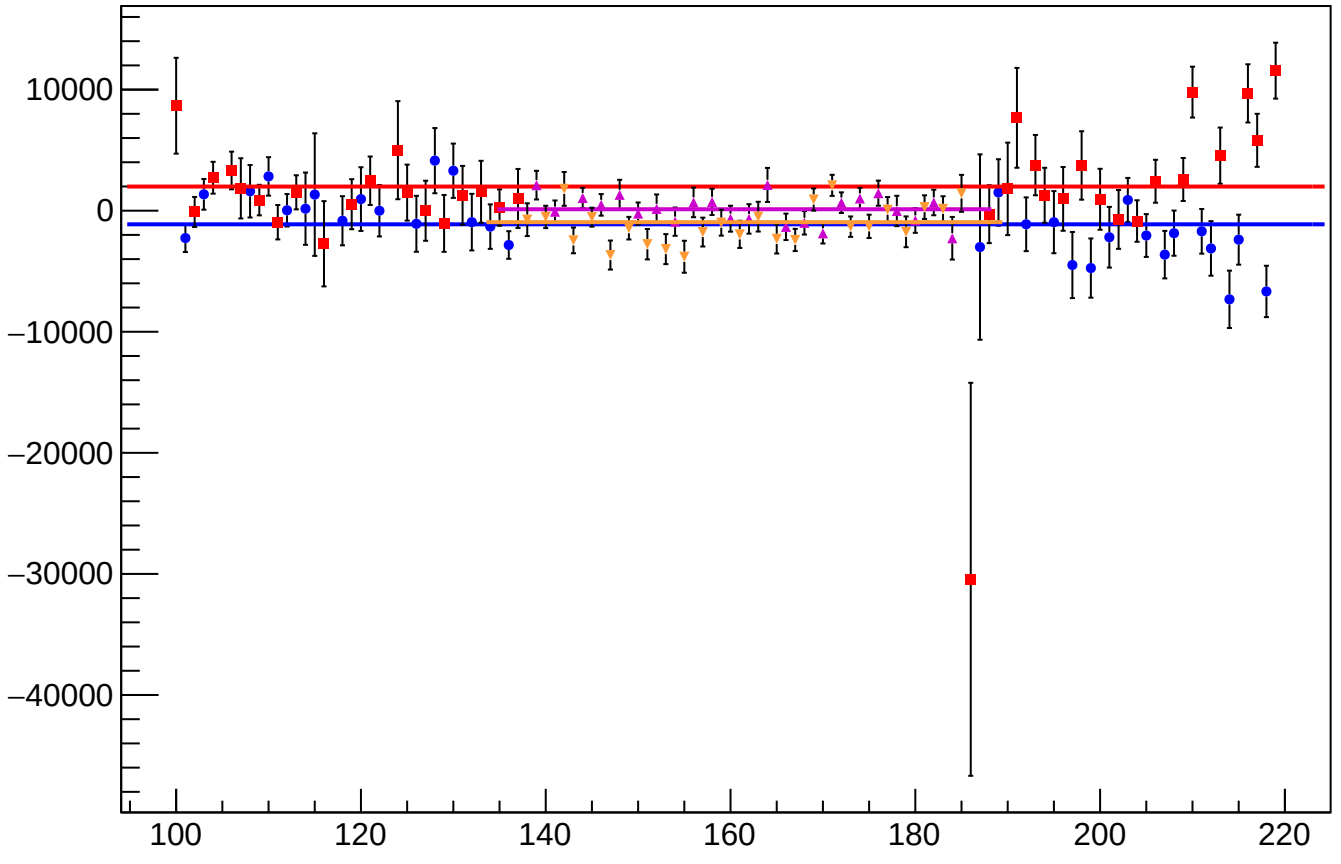
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 129.510+/-0.015 χ^2/NDF: 3899562.7/68

In: 126.998+/-0.015 χ^2/NDF:2087012.1/54

Out: 126.496+/-0.014 χ^2/NDF:3039380.1/61

All: 126.740+/-0.010 χ^2/NDF: 5126991.6/116



Right In: -1125.471+/-346.400 χ^2/NDF: 47.7/31

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: 1993.346+/-337.041 χ^2/NDF: 76.6/36

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

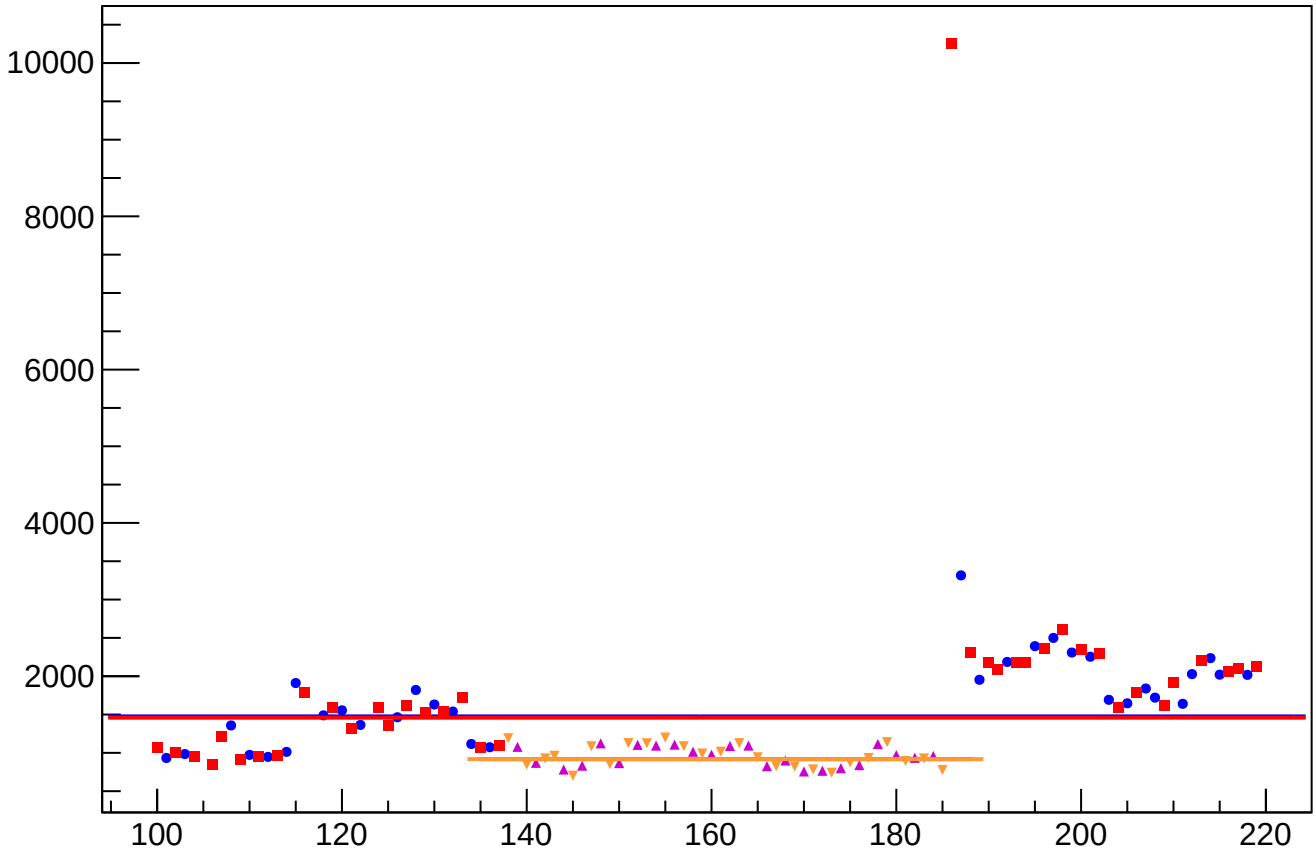
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 476.639+/-241.565 χ^2/NDF: 165.9/68

In: -232.523+/-183.997 χ^2/NDF:81.4/54

Out: -115.132+/-179.327 χ^2/NDF:181.5/61

All: -172.319+/-128.422 χ^2/NDF: 263.0/116



Right In: 1475.752+/-0.245 χ^2/NDF: 3801943.2/31

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1459.192+/-0.238 χ^2/NDF: 5294077.0/36

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

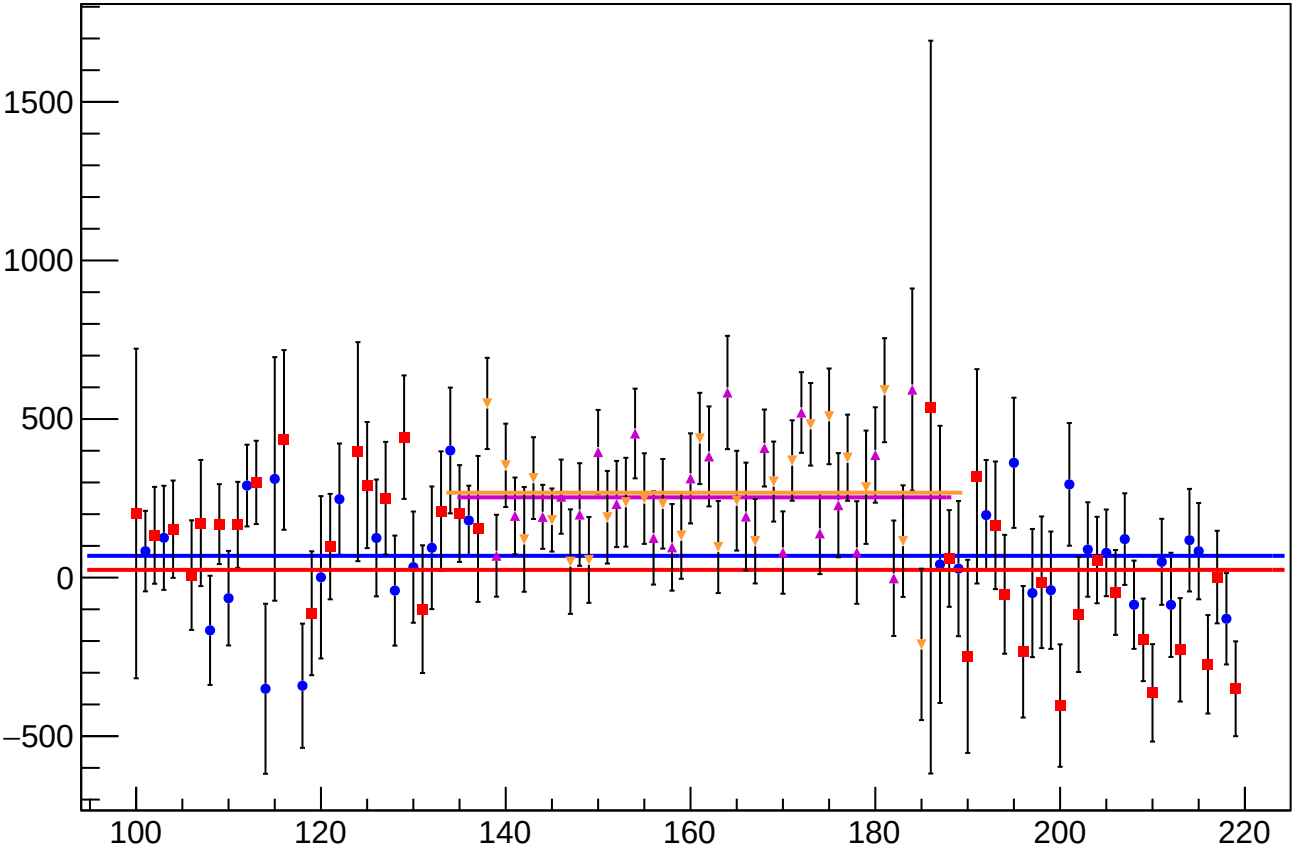
Right: 1467.245+/-0.171 χ^2/NDF: 9098368.1/68

In: 1075.518+/-0.130 χ^2/NDF:8187515.3/54

Out: 1071.566+/-0.127 χ^2/NDF:9871906.5/61

All: 1073.491+/-0.091 χ^2/NDF: 18059895.1/1

cor_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 68.628+/-29.523 χ^2/NDF: 27.4/31

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 24.349+/-28.791 χ^2/NDF: 55.2/36

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

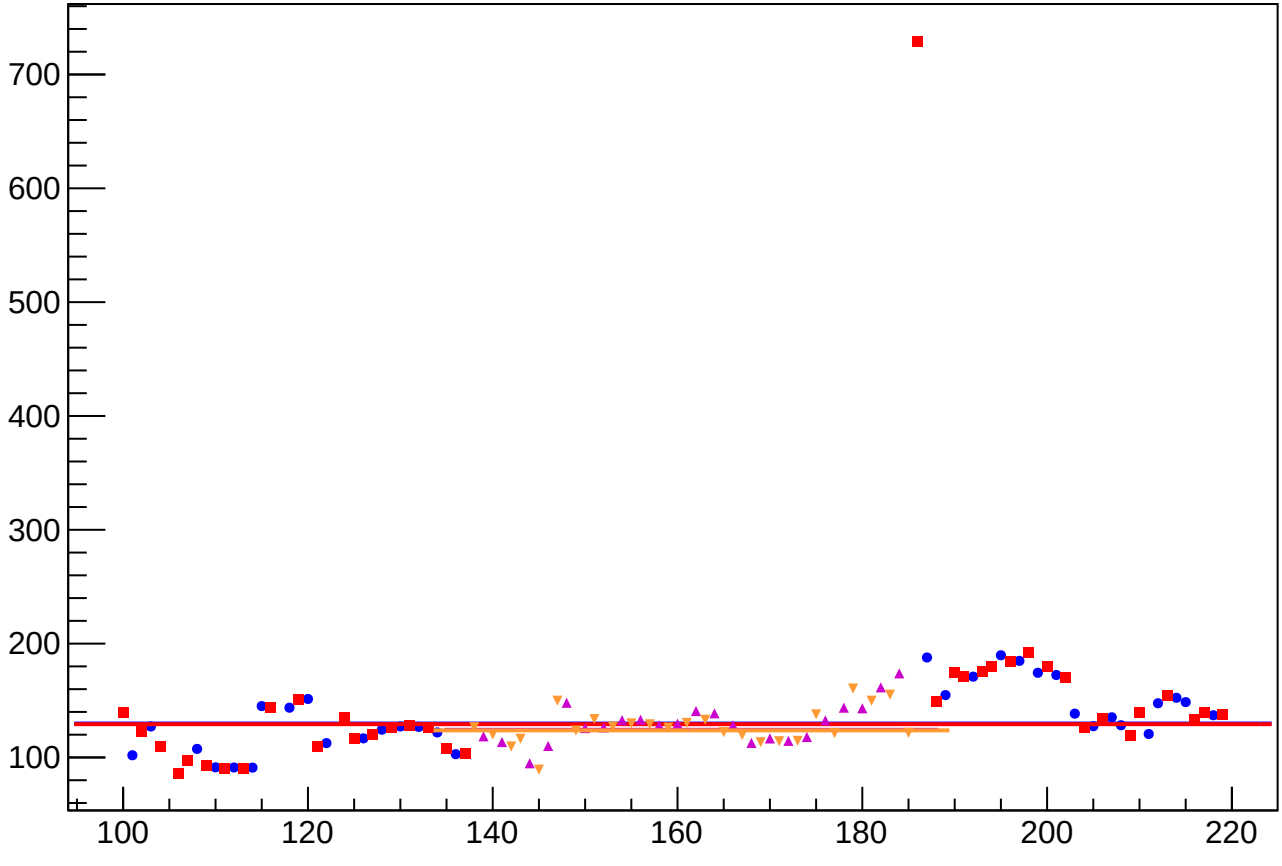
Right: 45.933+/-20.612 χ^2/NDF: 83.8/68

In: 161.498+/-20.801 χ^2/NDF:73.3/54

Out: 147.701+/-20.221 χ^2/NDF:122.5/61

All: 154.405+/-14.499 χ^2/NDF: 196.0/116

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 129.777+/-0.021 χ^2/NDF: 1494617.3/31

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 129.231+/-0.020 χ^2/NDF: 2410693.7/36

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

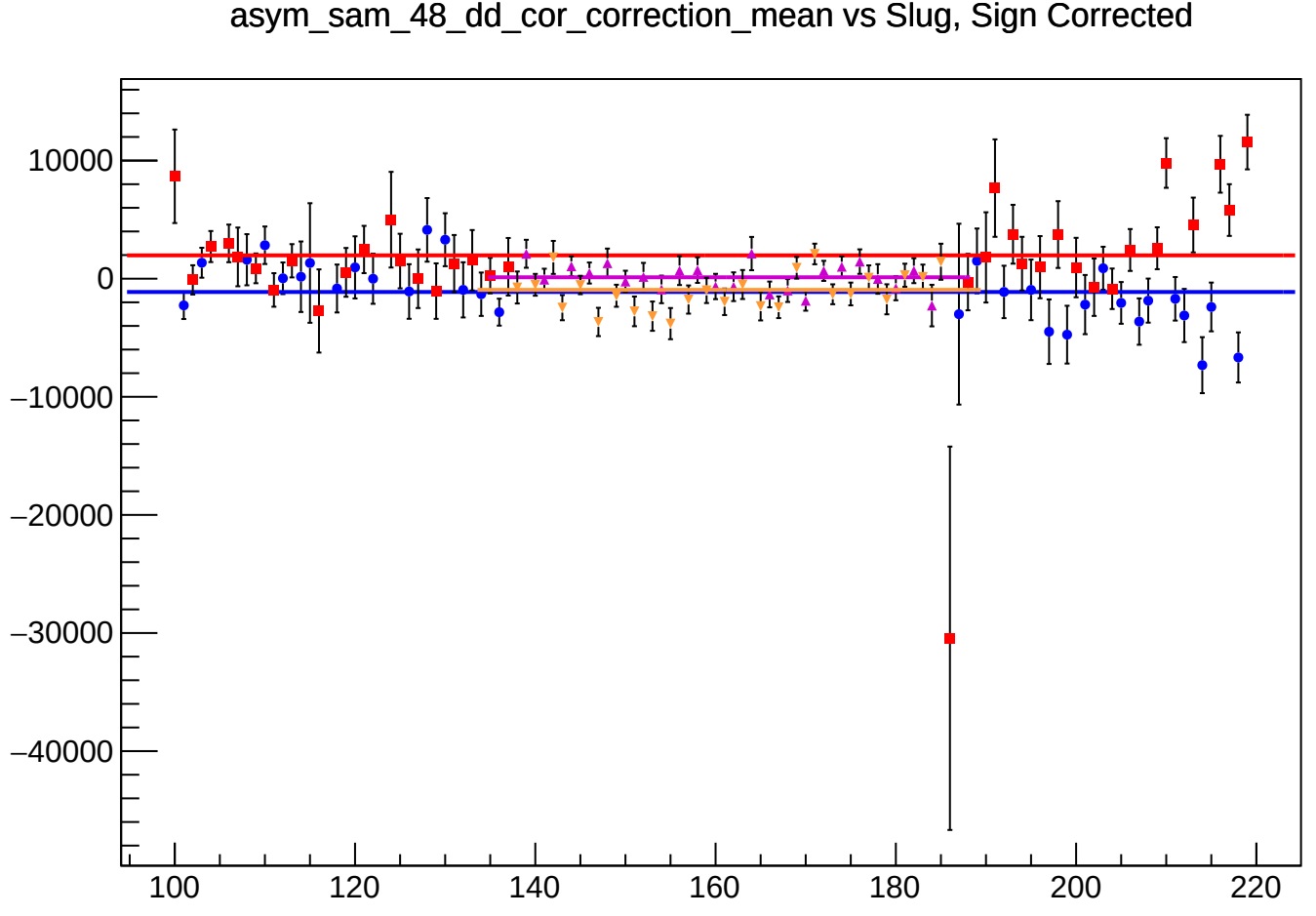
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 129.497+/-0.015 χ^2/NDF: 3905660.6/68

In: 126.998+/-0.015 χ^2/NDF:2087012.1/54

Out: 126.483+/-0.014 χ^2/NDF:3045106.0/61

All: 126.733+/-0.010 χ^2/NDF: 5132748.4/116



Right In: -1125.530+/-346.401 χ^2/NDF: 47.7/31

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1975.788+/-337.412 χ^2/NDF: 76.2/36

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

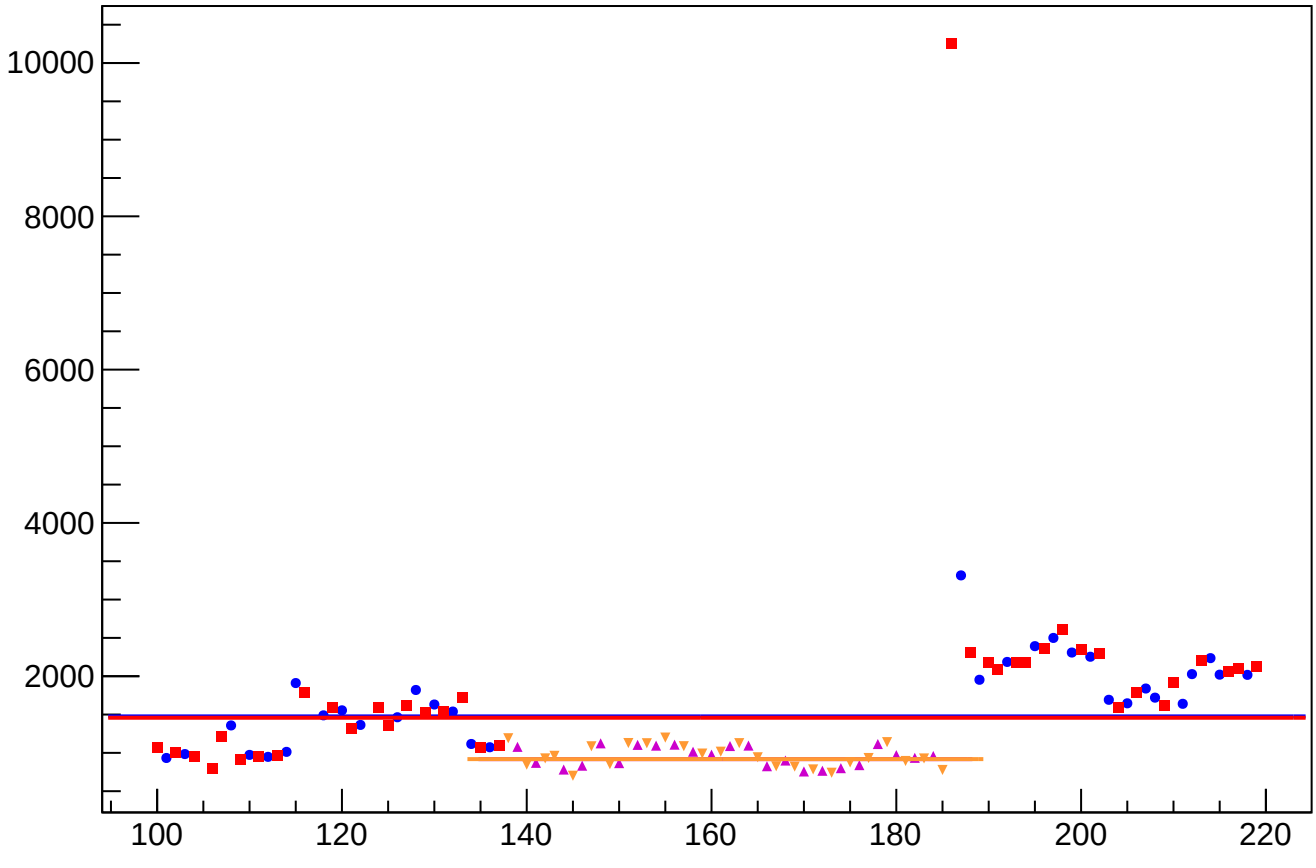
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 465.891+/-241.702 χ^2/NDF: 165.1/68

In: -232.536+/-183.997 χ^2/NDF:81.4/54

Out: -121.401+/-179.383 χ^2/NDF:180.4/61

All: -175.557+/-128.443 χ^2/NDF: 261.9/116



Right In: 1475.760+/-0.245 χ^2/NDF: 3801836.9/31

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1458.290+/-0.239 χ^2/NDF: 5330116.8/36

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

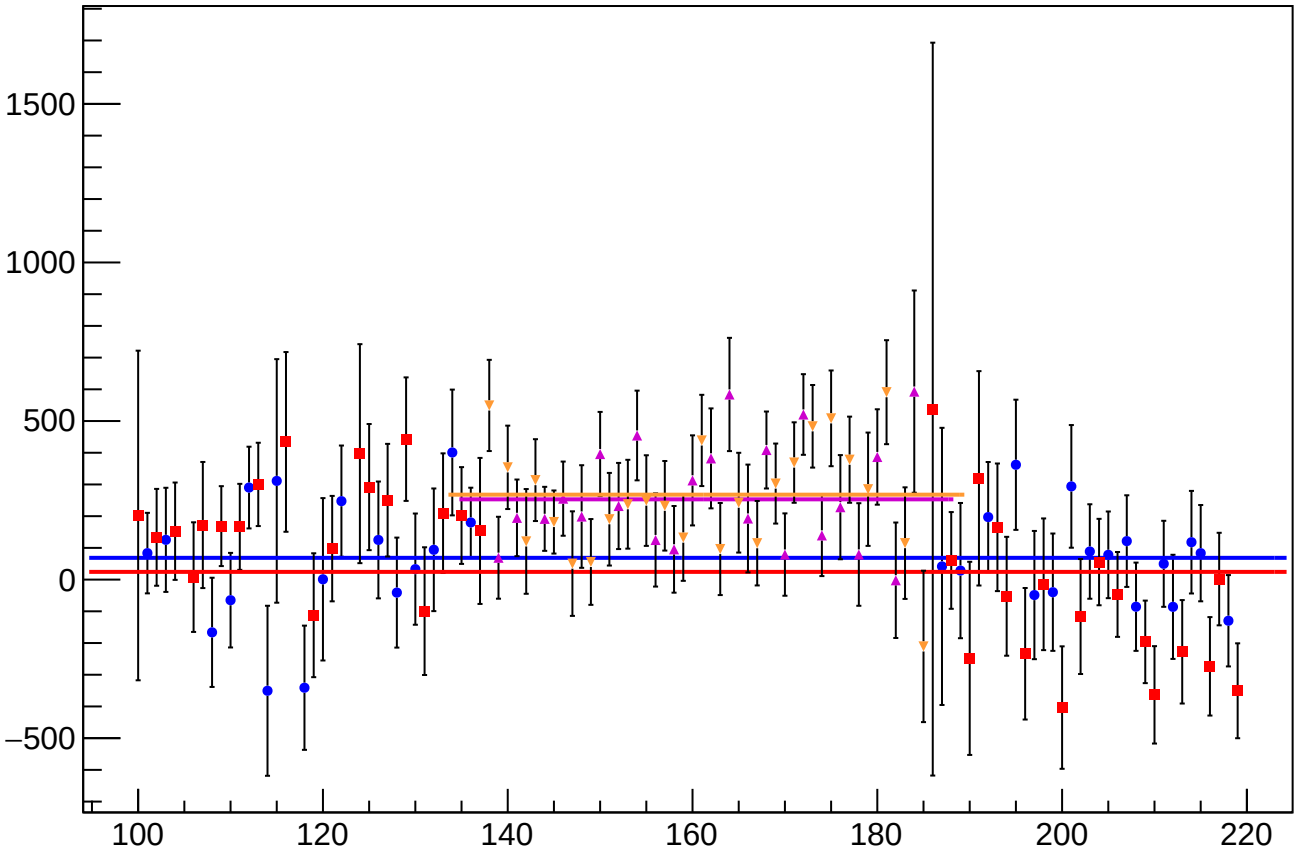
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1466.796+/-0.171 χ^2/NDF: 9134564.0/68

In: 1075.520+/-0.130 χ^2/NDF:8187500.2/54

Out: 1071.069+/-0.127 χ^2/NDF:9889843.0/61

All: 1073.238+/-0.091 χ^2/NDF: 18077943.1/1



Right In: 68.628+/-29.523 χ^2/NDF: 27.4/31

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 24.349+/-28.791 χ^2/NDF: 55.2/36

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

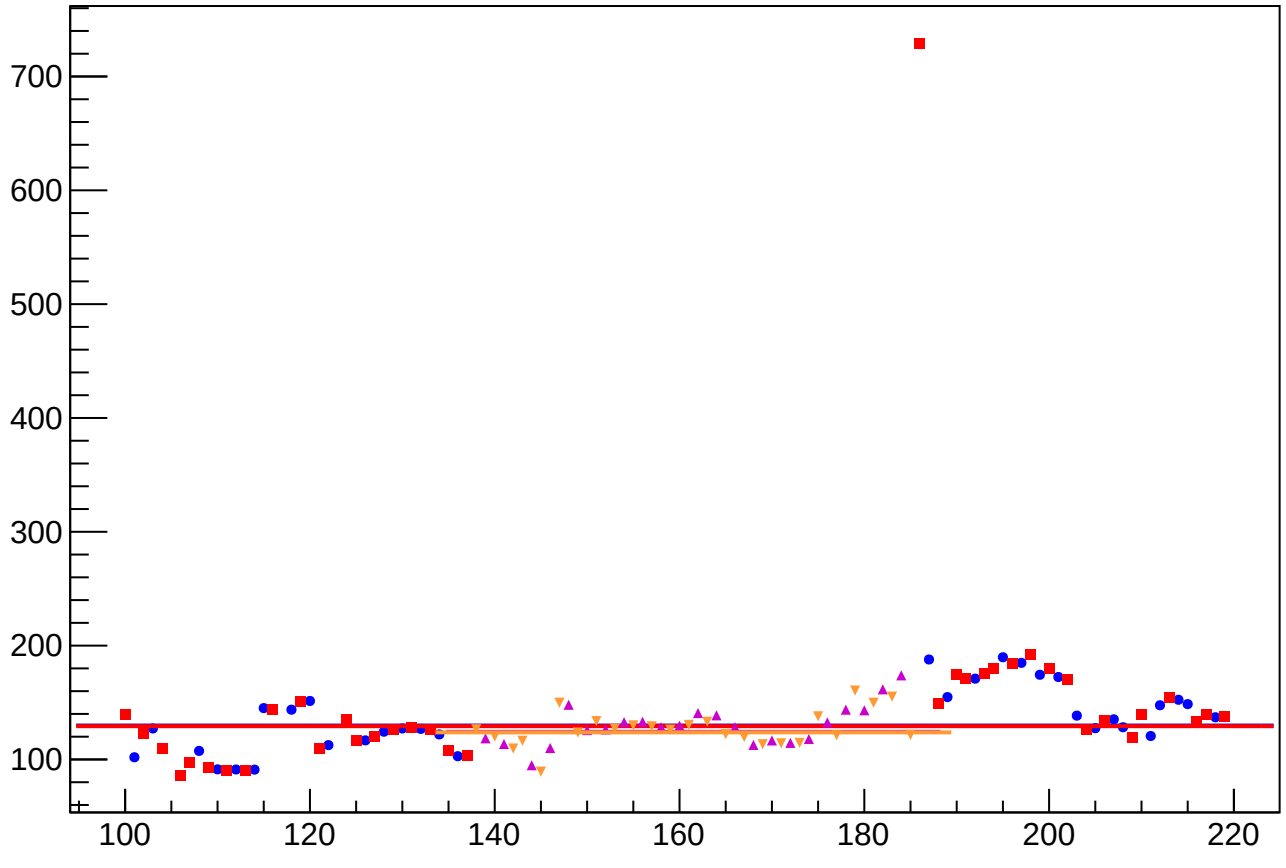
Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

Right: 45.933+/-20.612 χ^2/NDF: 83.8/68

In: 161.498+/-20.801 χ^2/NDF:73.3/54

Out: 147.701+/-20.221 χ^2/NDF:122.5/61

All: 154.405+/-14.499 χ^2/NDF: 196.0/116



Right In: 129.777+/-0.021 χ^2/NDF: 1494617.3/31

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 129.231+/-0.020 χ^2/NDF: 2410693.7/36

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

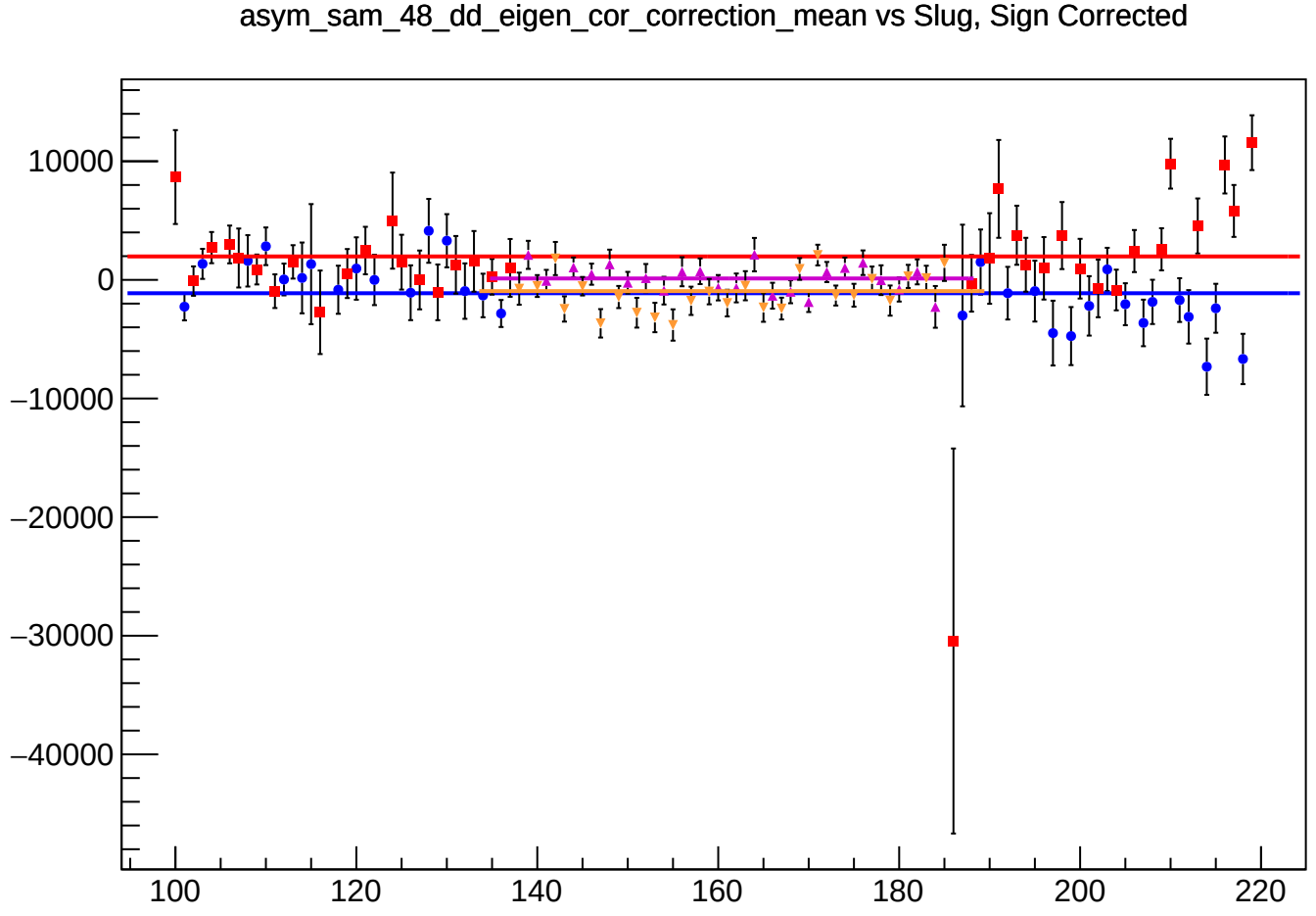
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 129.497+/-0.015 χ^2/NDF: 3905660.6/68

In: 126.998+/-0.015 χ^2/NDF:2087012.1/54

Out: 126.483+/-0.014 χ^2/NDF:3045106.0/61

All: 126.733+/-0.010 χ^2/NDF: 5132748.4/116



Right In: -1125.530+/-346.401 χ^2/NDF: 47.7/31

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1975.788+/-337.412 χ^2/NDF: 76.2/36

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

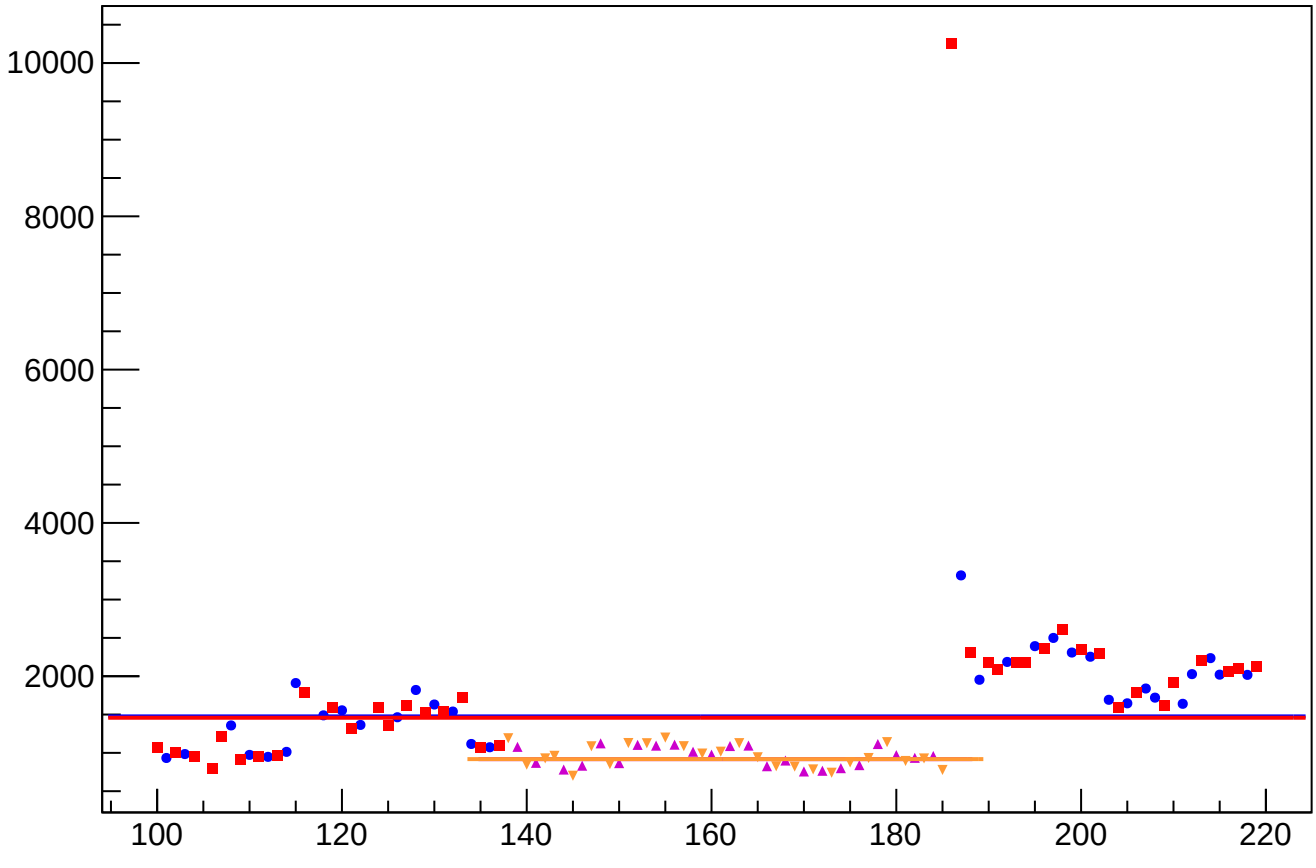
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 465.891+/-241.702 χ^2/NDF: 165.1/68

In: -232.536+/-183.997 χ^2/NDF:81.4/54

Out: -121.401+/-179.383 χ^2/NDF:180.4/61

All: -175.557+/-128.443 χ^2/NDF: 261.9/116



Right In: 1475.760+/-0.245 χ^2/NDF: 3801836.9/31

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1458.290+/-0.239 χ^2/NDF: 5330116.8/36

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

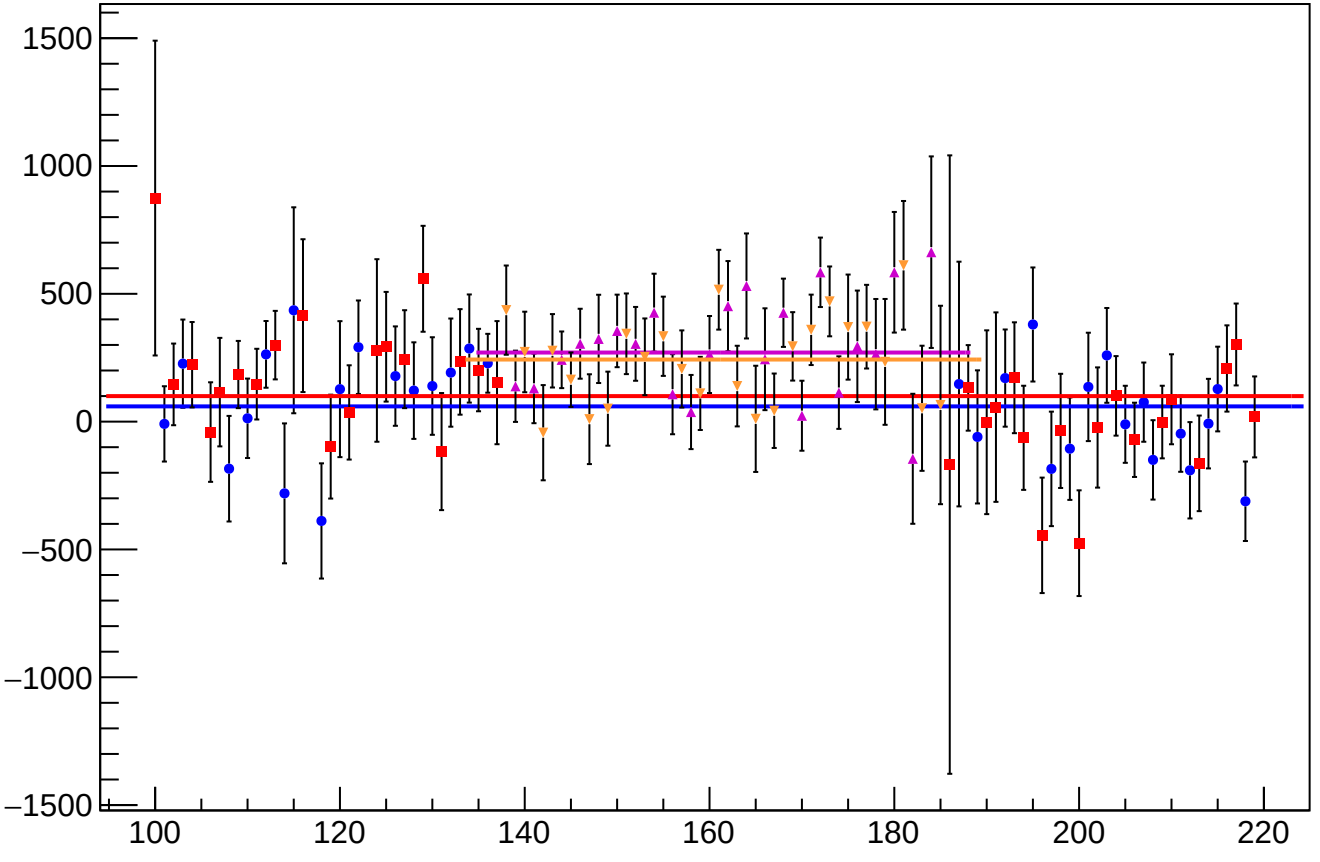
Right: 1466.796+/-0.171 χ^2/NDF: 9134564.0/68

In: 1075.520+/-0.130 χ^2/NDF:8187500.2/54

Out: 1071.069+/-0.127 χ^2/NDF:9889843.0/61

All: 1073.238+/-0.091 χ^2/NDF: 18077943.1/1

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 59.634+/-32.233 χ^2/NDF: 33.6/31

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 99.835+/-31.215 χ^2/NDF: 37.2/36

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

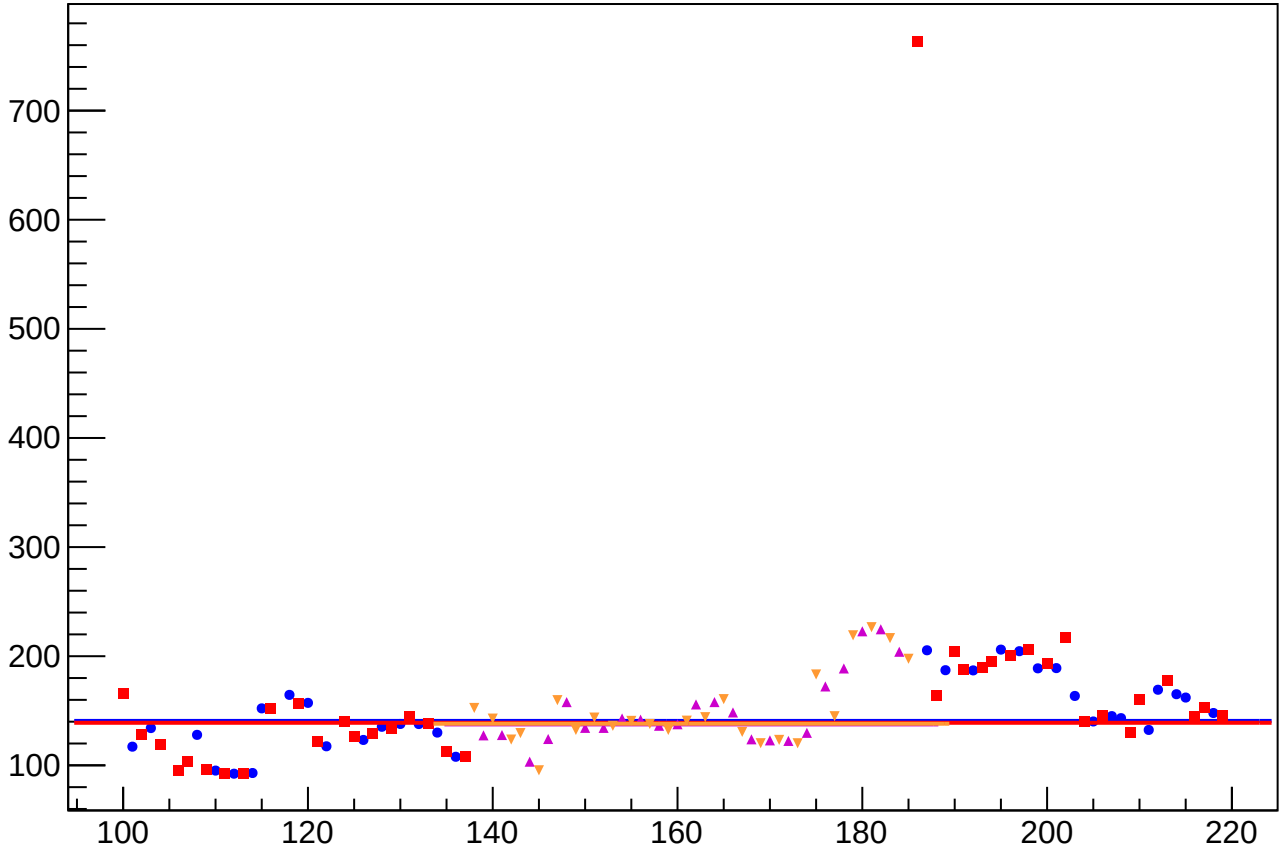
Right: 80.379+/-22.423 χ^2/NDF: 71.6/68

In: 162.803+/-23.022 χ^2/NDF:81.2/54

Out: 169.278+/-22.392 χ^2/NDF:71.1/61

All: 166.130+/-16.051 χ^2/NDF: 152.3/116

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 140.696+/-0.023 χ^2/NDF: 1754756.5/31

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 138.994+/-0.022 χ^2/NDF: 2784652.0/36

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

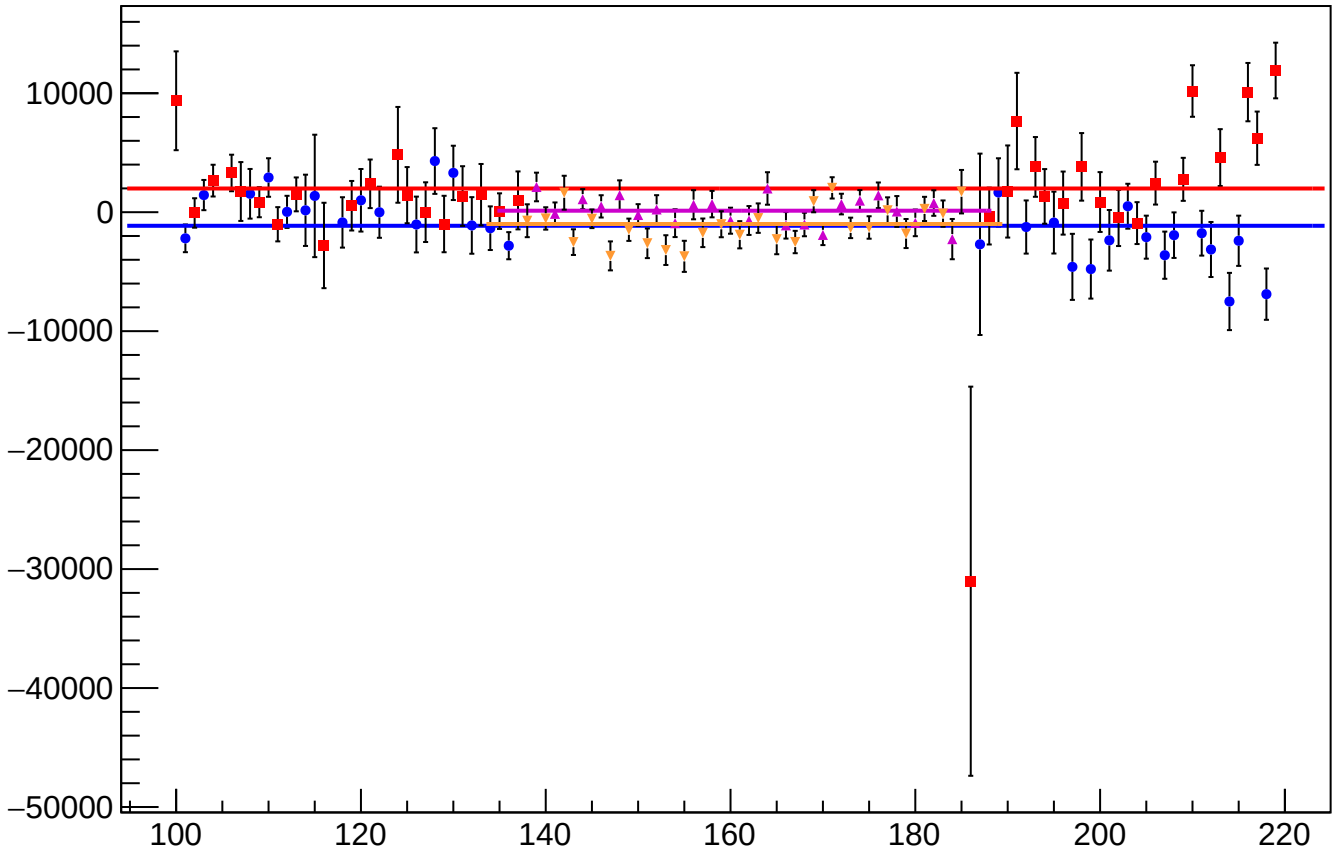
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 139.818+/-0.016 χ^2/NDF: 4542285.1/68

In: 139.126+/-0.016 χ^2/NDF:2873772.9/54

Out: 138.573+/-0.016 χ^2/NDF:4123709.0/61

All: 138.842+/-0.011 χ^2/NDF: 6998074.3/116



Right In: -1142.548+/-350.839 χ^2/NDF: 47.9/31

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1991.627+/-340.145 χ^2/NDF: 79.6/36

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

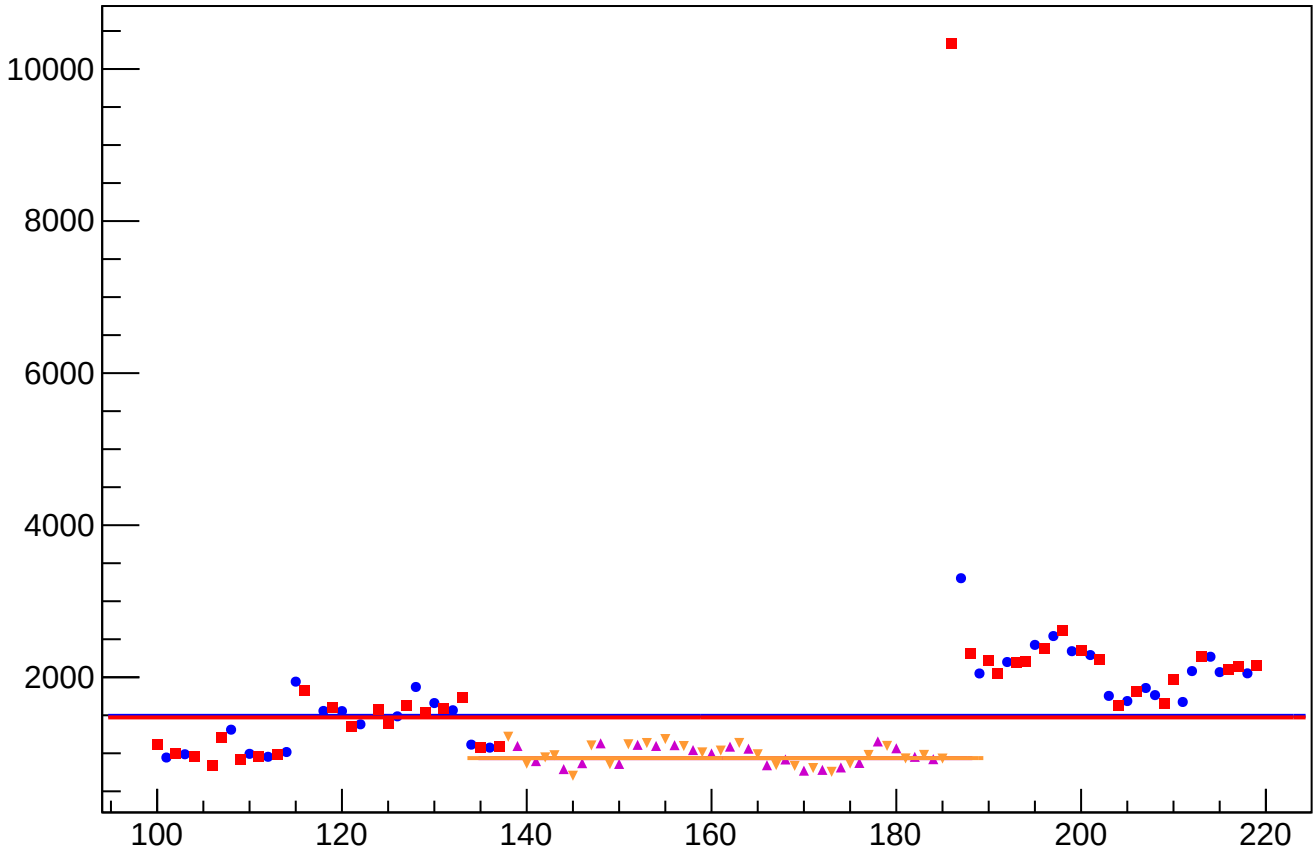
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 473.033+/-244.212 χ^2/NDF: 168.6/68

In: -236.038+/-187.215 χ^2/NDF:81.1/54

Out: -137.443+/-182.132 χ^2/NDF:181.5/61

All: -185.384+/-130.547 χ^2/NDF: 262.7/116



Right In: 1492.546+/-0.248 χ^2/NDF: 3936277.7/31

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1471.926+/-0.241 χ^2/NDF: 5356921.8/36

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

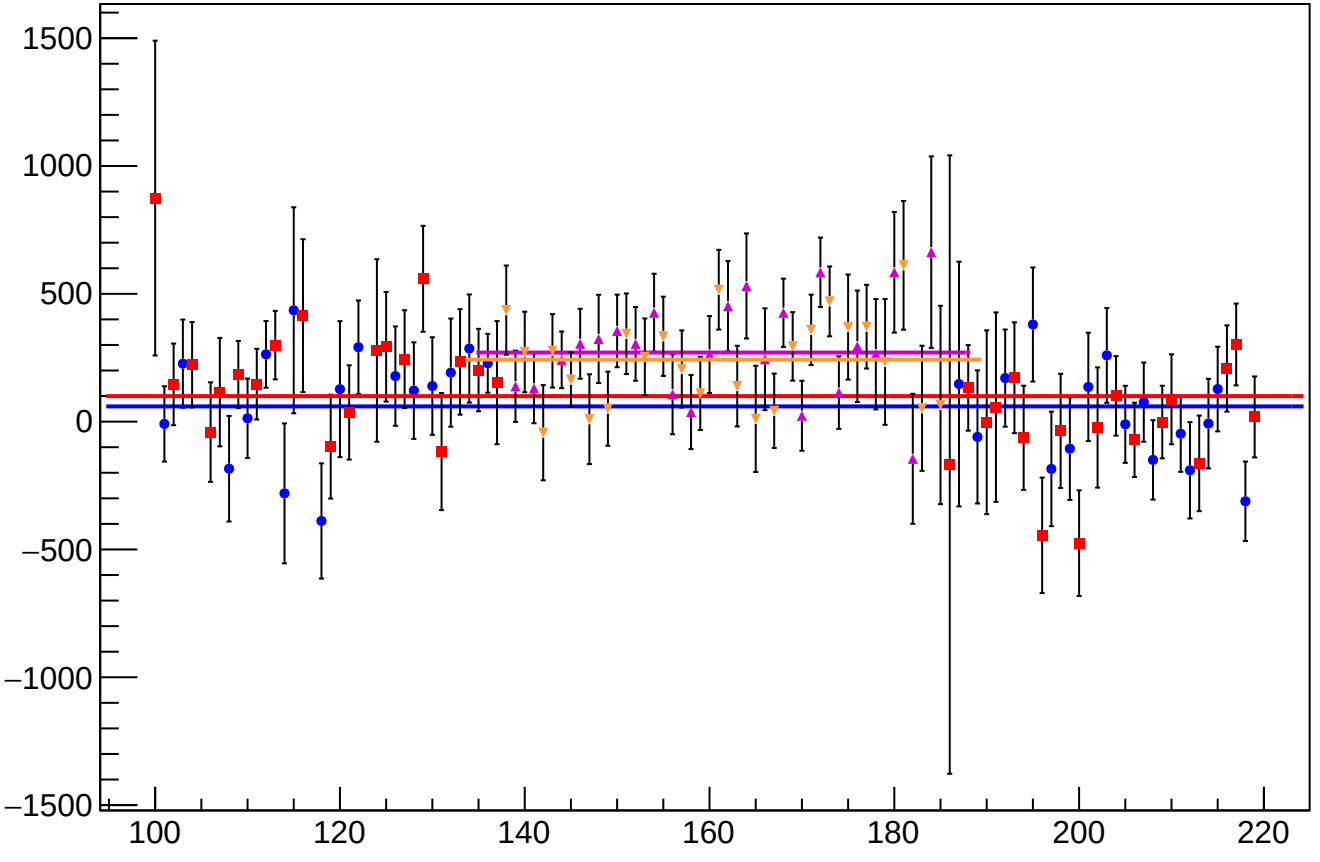
Right: 1481.917+/-0.173 χ^2/NDF: 9296760.5/68

In: 1094.749+/-0.132 χ^2/NDF:8173864.7/54

Out: 1090.186+/-0.129 χ^2/NDF:9720968.6/61

All: 1092.405+/-0.092 χ^2/NDF: 17895443.7/1

eigen_dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 59.637+/-32.233 χ^2/NDF: 33.6/31

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 99.833+/-31.215 χ^2/NDF: 37.2/36

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

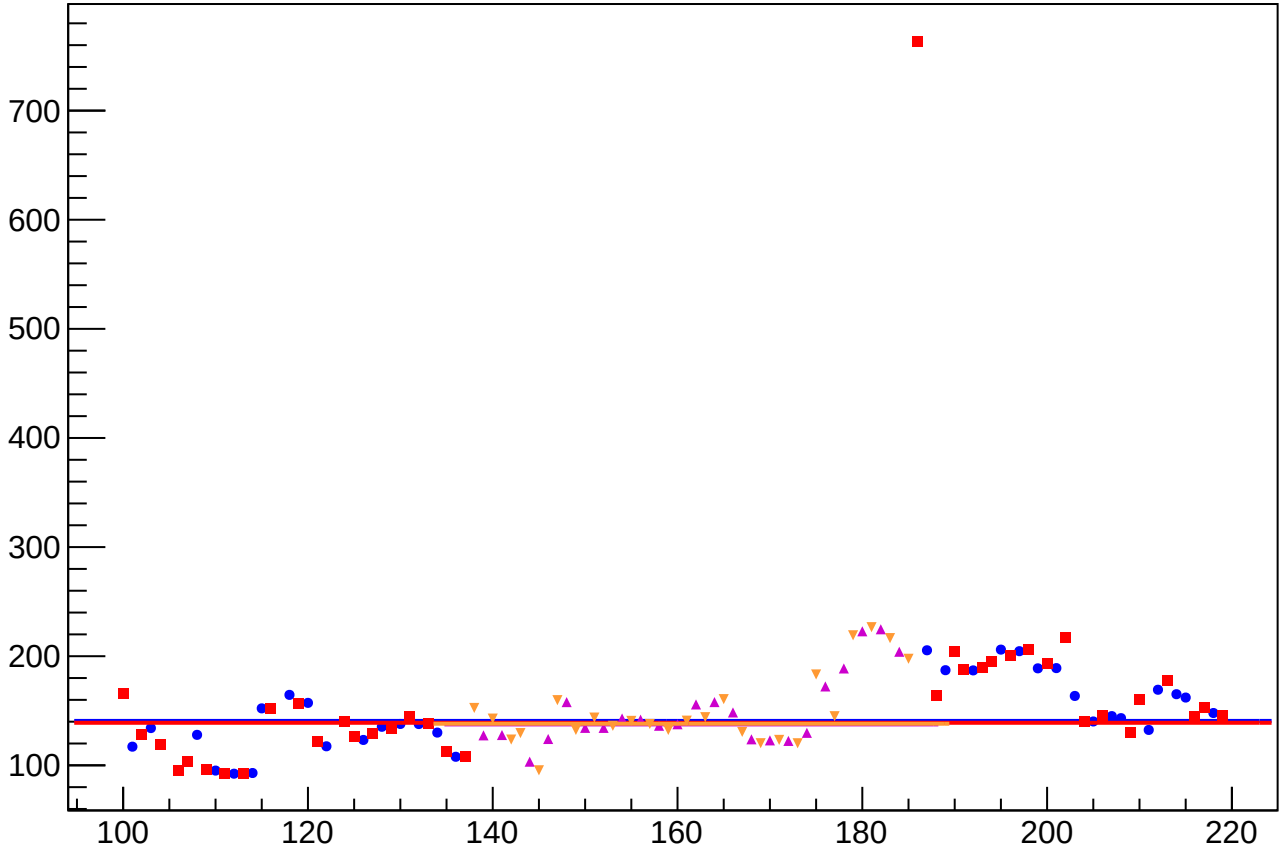
Right: 80.379+/-22.423 χ^2/NDF: 71.6/68

In: 162.805+/-23.022 χ^2/NDF:81.2/54

Out: 169.278+/-22.392 χ^2/NDF:71.1/61

All: 166.131+/-16.051 χ^2/NDF: 152.3/116

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 140.696+/-0.023 χ^2/NDF: 1754738.3/31

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 138.994+/-0.022 χ^2/NDF: 2784655.2/36

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

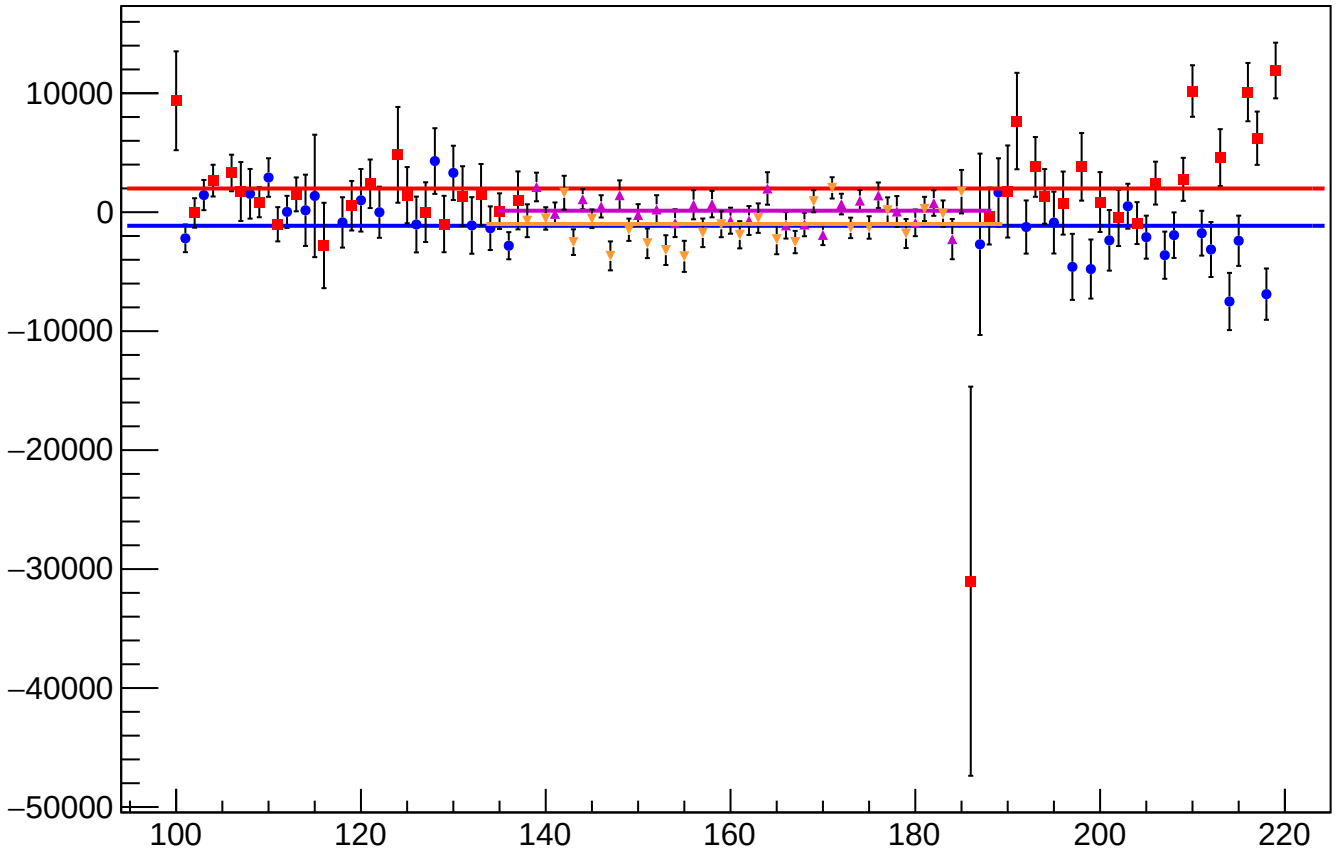
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 139.818+/-0.016 χ^2/NDF: 4542270.0/68

In: 139.126+/-0.016 χ^2/NDF:2873740.8/54

Out: 138.573+/-0.016 χ^2/NDF:4123715.2/61

All: 138.842+/-0.011 χ^2/NDF: 6998048.3/116



Right In: -1142.548+/-350.839 χ^2/NDF: 47.9/31

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: 1991.626+/-340.145 χ^2/NDF: 79.6/36

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

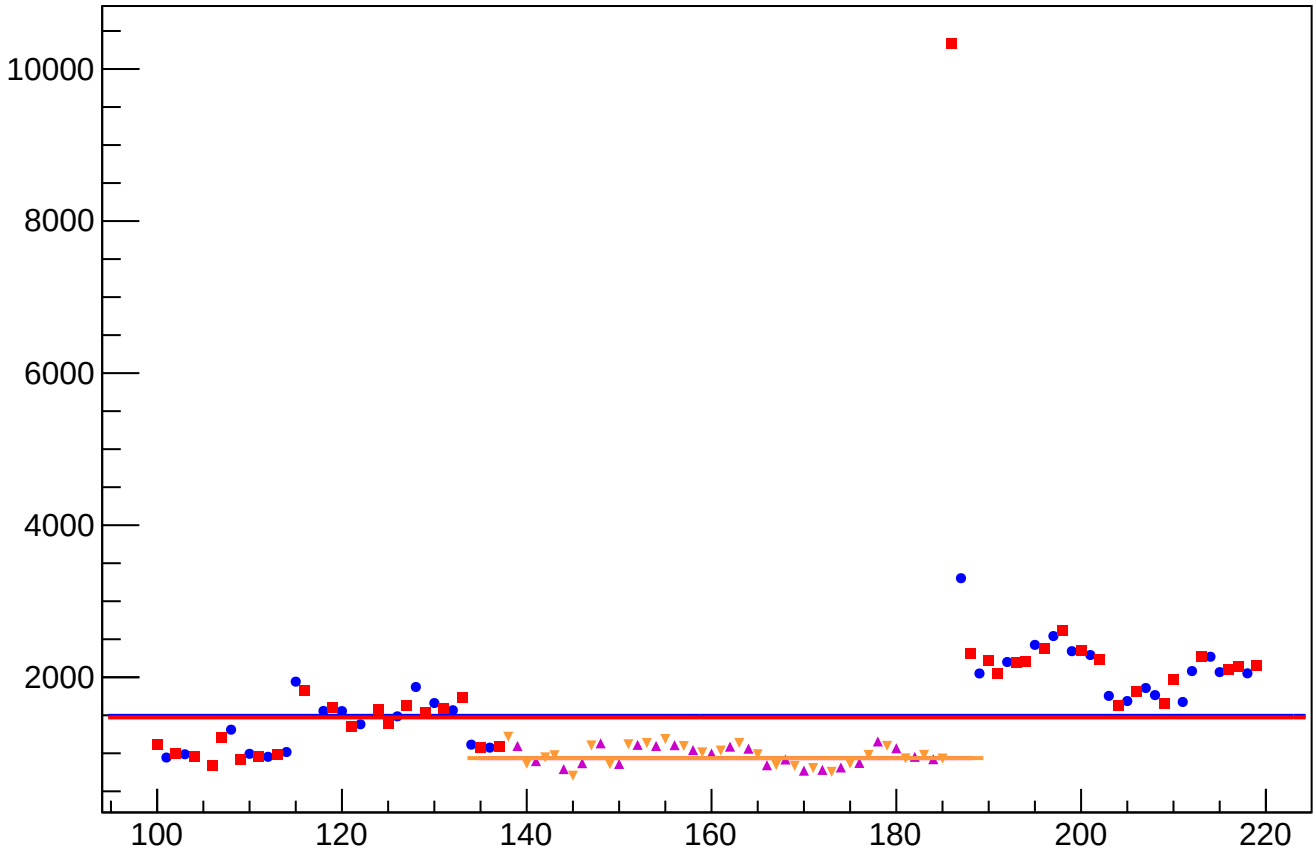
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 473.033+/-244.212 χ^2/NDF: 168.6/68

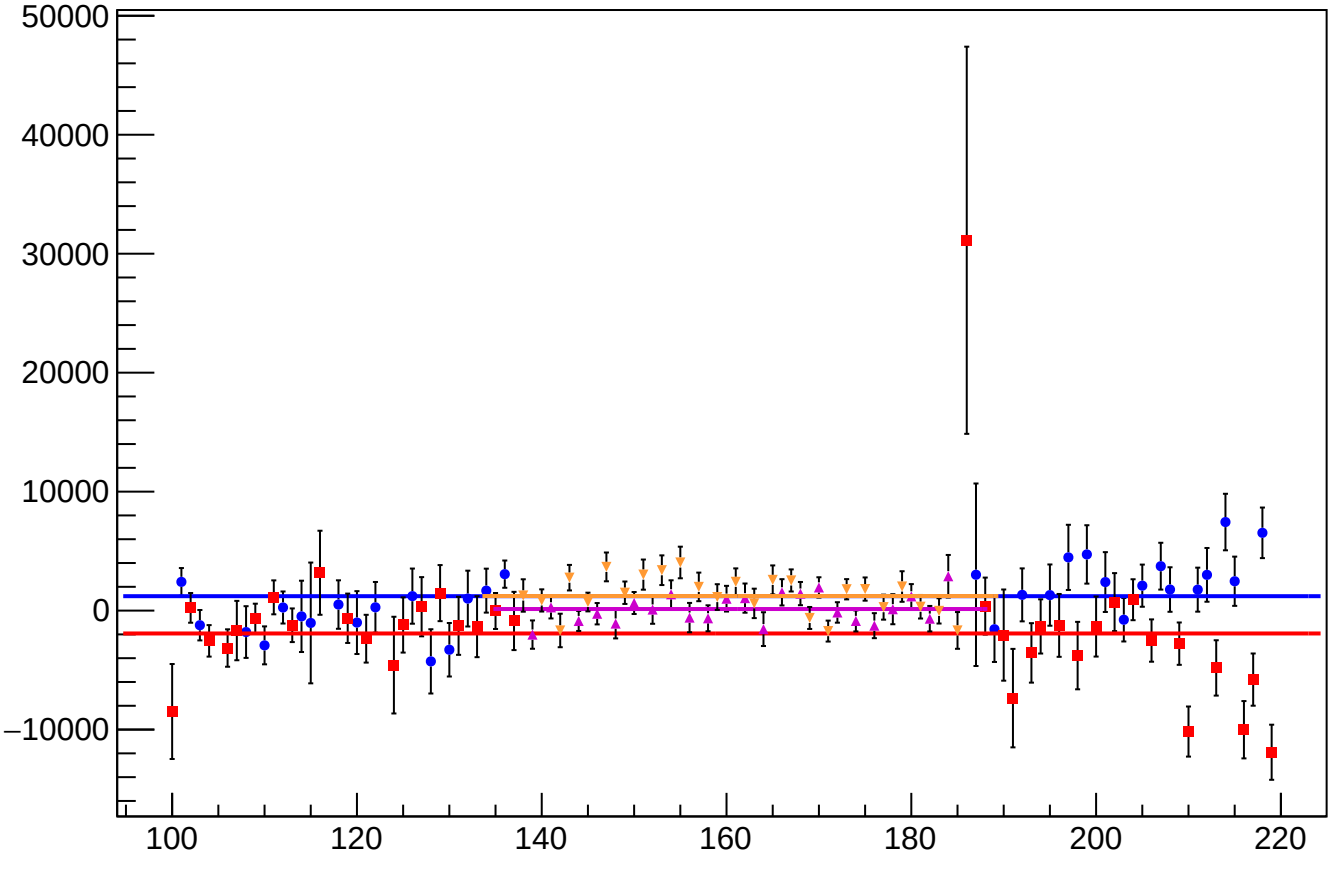
In: -236.039+/-187.215 χ^2/NDF:81.1/54

Out: -137.443+/-182.132 χ^2/NDF:181.5/61

All: -185.384+/-130.547 χ^2/NDF: 262.7/116


asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 1492.545+/-0.248 χ²/NDF: 3936269.6/31
Left Out: 936.742+/-0.152 χ²/NDF:832452.0/24
Right Out: 1471.926+/-0.241 χ²/NDF: 5356912.2/36
Left In: 936.379+/-0.157 χ²/NDF:642748.0/22
Left: 936.566+/-0.109 χ²/NDF: 1475202.7/47
Right: 1481.916+/-0.173 χ²/NDF: 9296742.9/68
In: 1094.748+/-0.132 χ²/NDF:8173865.9/54
Out: 1090.185+/-0.129 χ²/NDF:9720973.6/61
All: 1092.404+/-0.092 χ²/NDF: 17895449.9/1

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 1212.067+/-347.923 χ^2/NDF: 48.4/31

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -1921.986+/-338.583 χ^2/NDF: 81.9/36

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

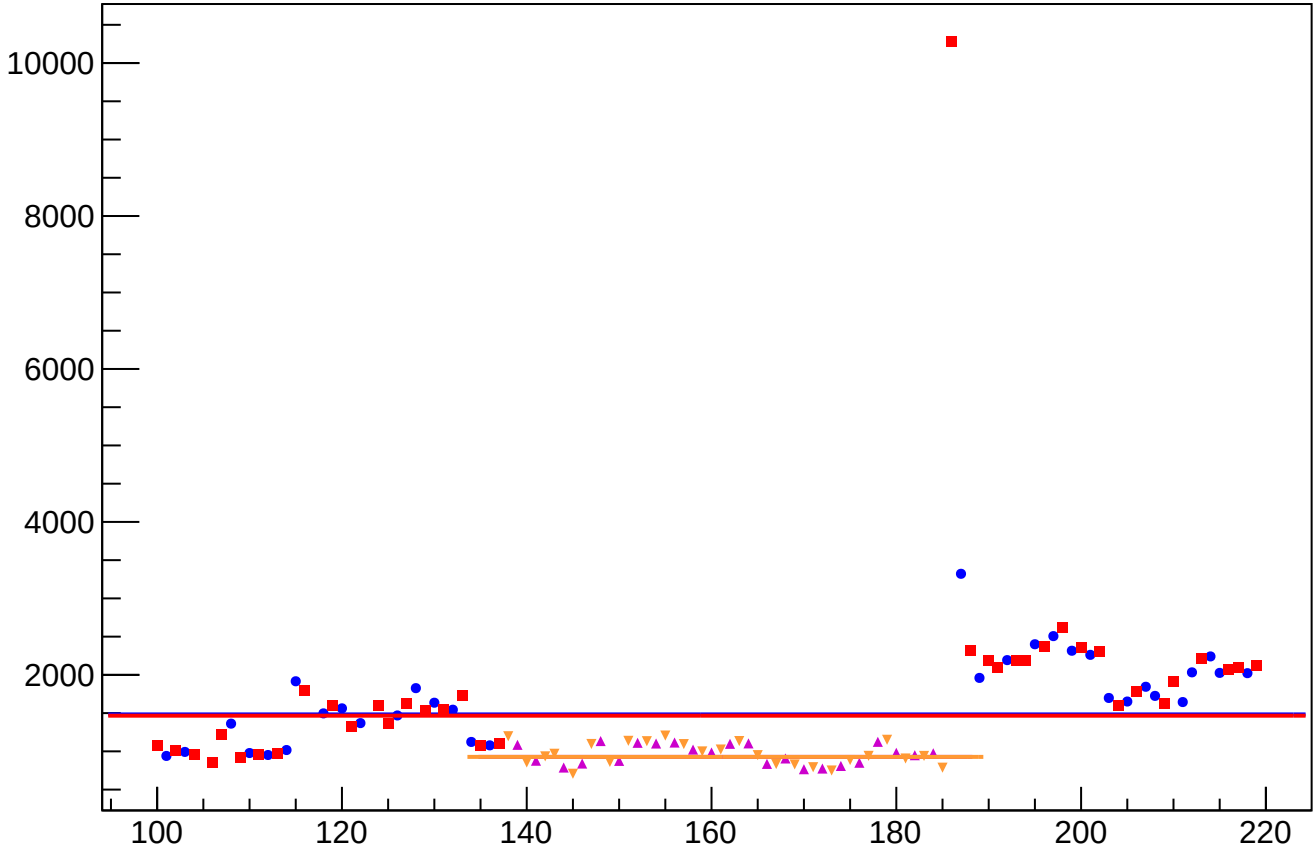
Right: -397.590+/-242.649 χ^2/NDF: 172.0/68

In: 439.649+/-185.508 χ^2/NDF:81.1/54

Out: 328.007+/-180.802 χ^2/NDF:192.2/61

All: 382.394+/-129.478 χ^2/NDF: 273.5/116

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1482.892+/-0.246 χ^2/NDF: 3770432.5/31

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1466.464+/-0.239 χ^2/NDF: 5257398.8/36

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

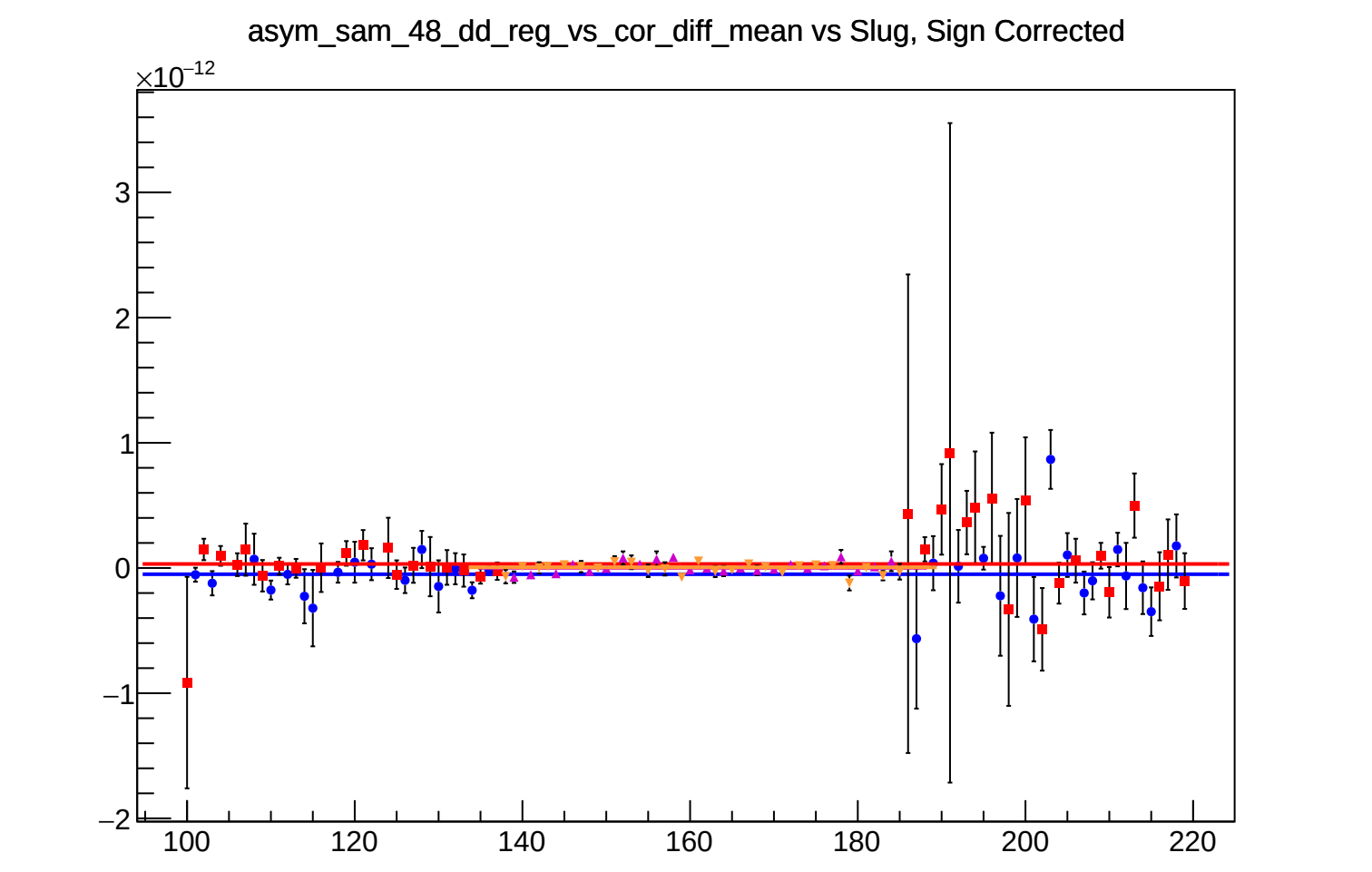
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1474.454+/-0.172 χ^2/NDF: 9030121.4/68

In: 1085.264+/-0.131 χ^2/NDF:8076864.4/54

Out: 1081.264+/-0.128 χ^2/NDF:9753760.4/61

All: 1083.213+/-0.092 χ^2/NDF: 17831101.7/



Right In: -0.000+/-0.000 χ^2/NDF: 39.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/36

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

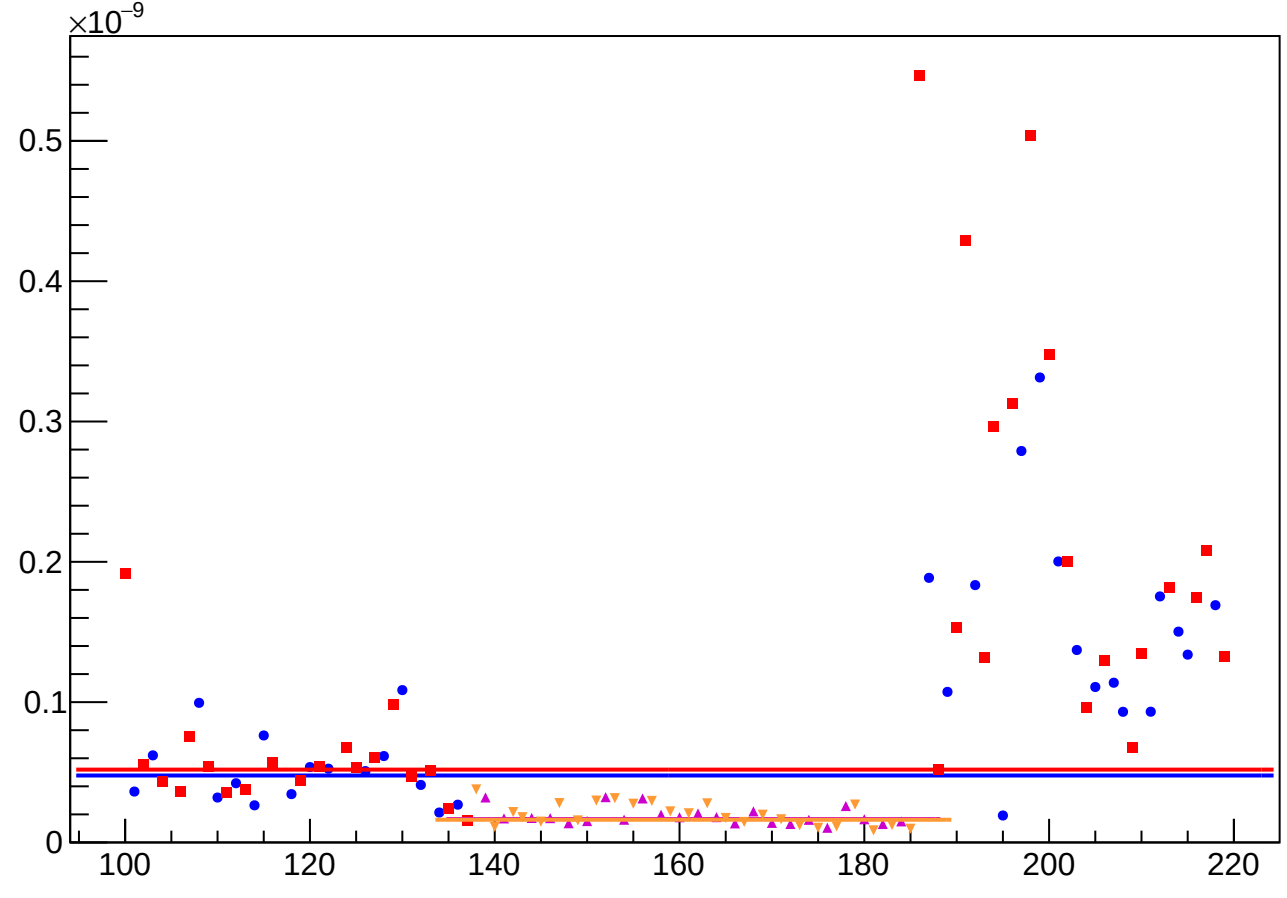
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 76.9/68

In: -0.000+/-0.000 χ^2/NDF:73.4/54

Out: 0.000+/-0.000 χ^2/NDF:55.9/61

All: 0.000+/-0.000 χ^2/NDF: 131.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 7057875.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7575873.8/36

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

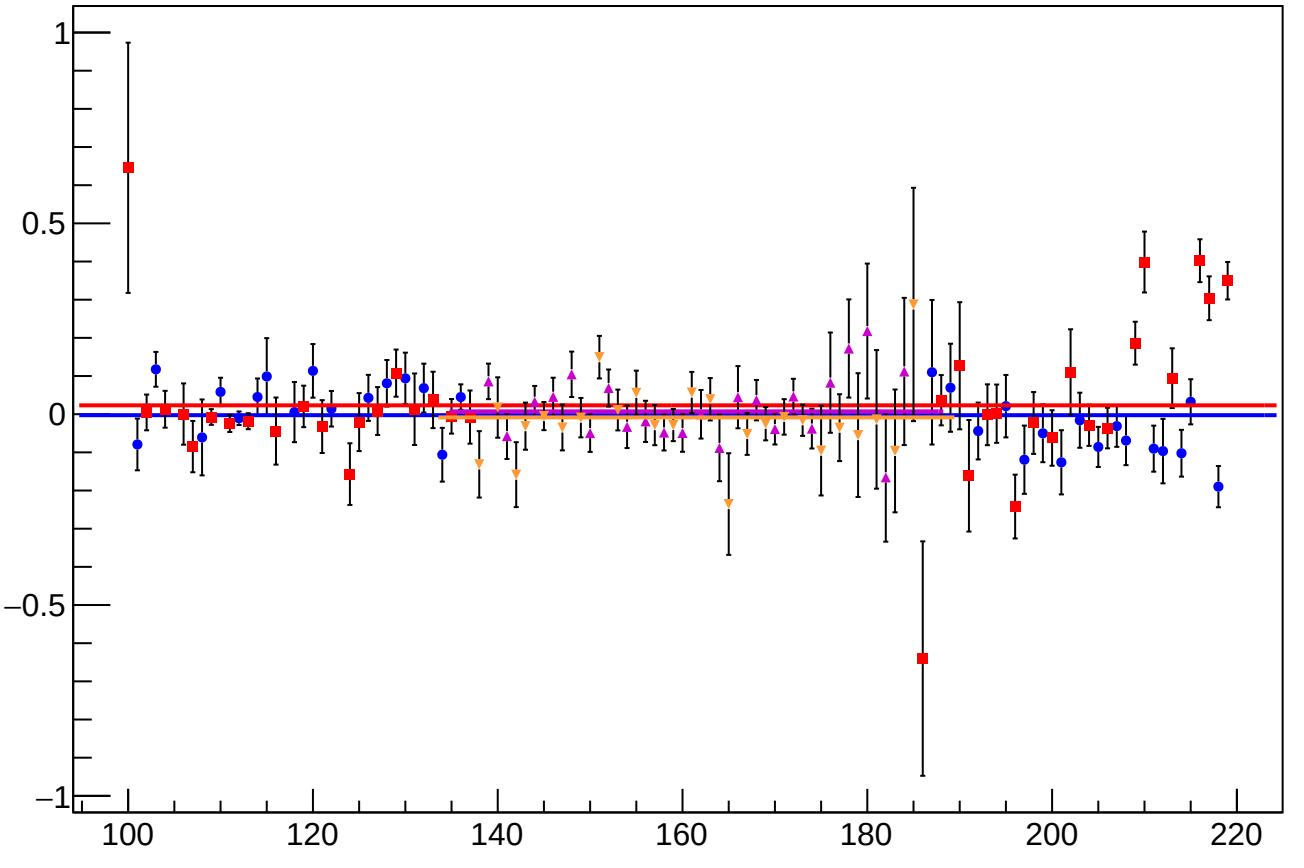
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 14675899.1/68

In: 0.000+/-0.000 χ^2/NDF:12366152.7/54

Out: 0.000+/-0.000 χ^2/NDF:14896327.3/61

All: 0.000+/-0.000 χ^2/NDF: 27274297.1/116



Right In: -0.003+/-0.009 χ^2/NDF: 53.8/31

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.023+/-0.008 χ^2/NDF: 192.7/36

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

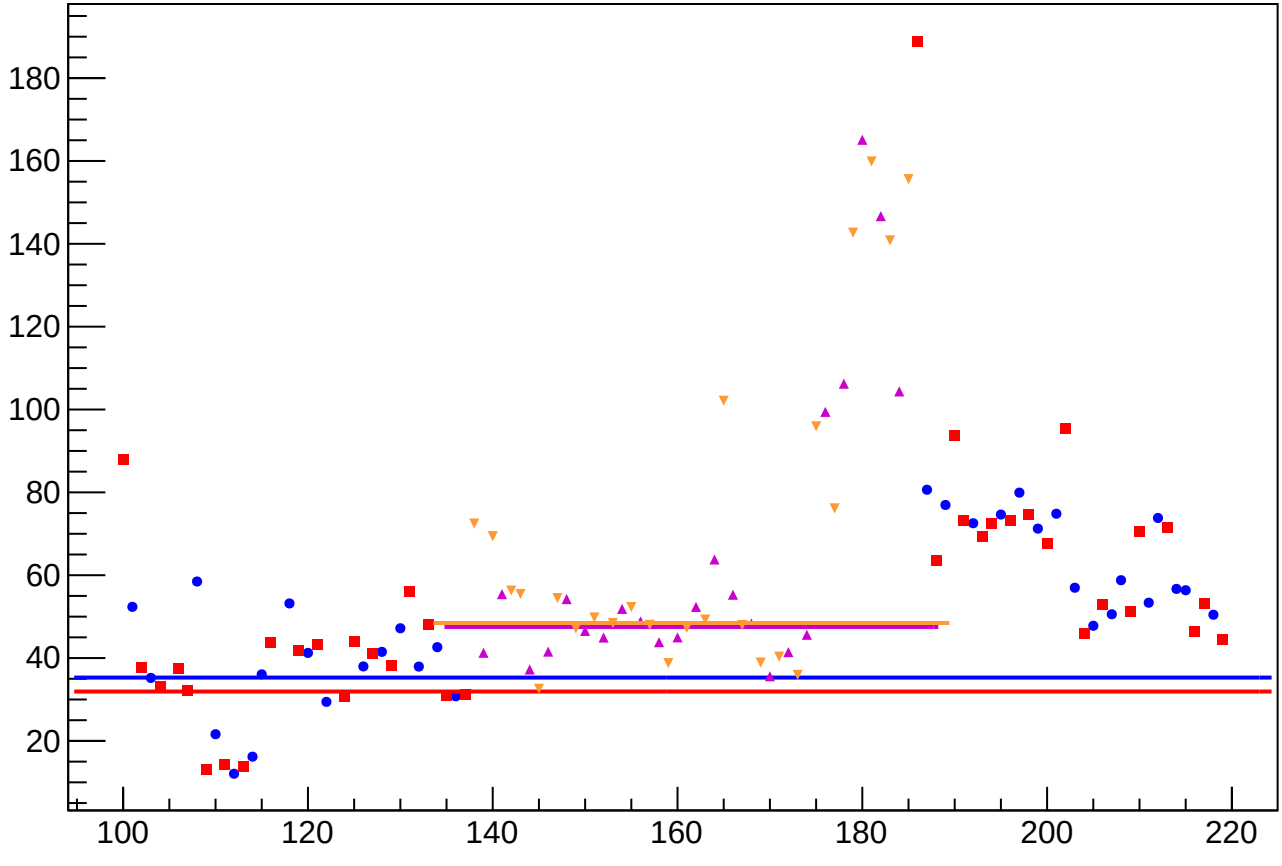
Right: 0.012+/-0.006 χ^2/NDF: 250.7/68

In: 0.001+/-0.007 χ^2/NDF:77.5/54

Out: 0.013+/-0.007 χ^2/NDF:220.5/61

All: 0.007+/-0.005 χ^2/NDF: 299.3/116

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.290+/-0.007 χ^2/NDF: 9243820.9/31

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 31.922+/-0.006 χ^2/NDF: 11752188.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

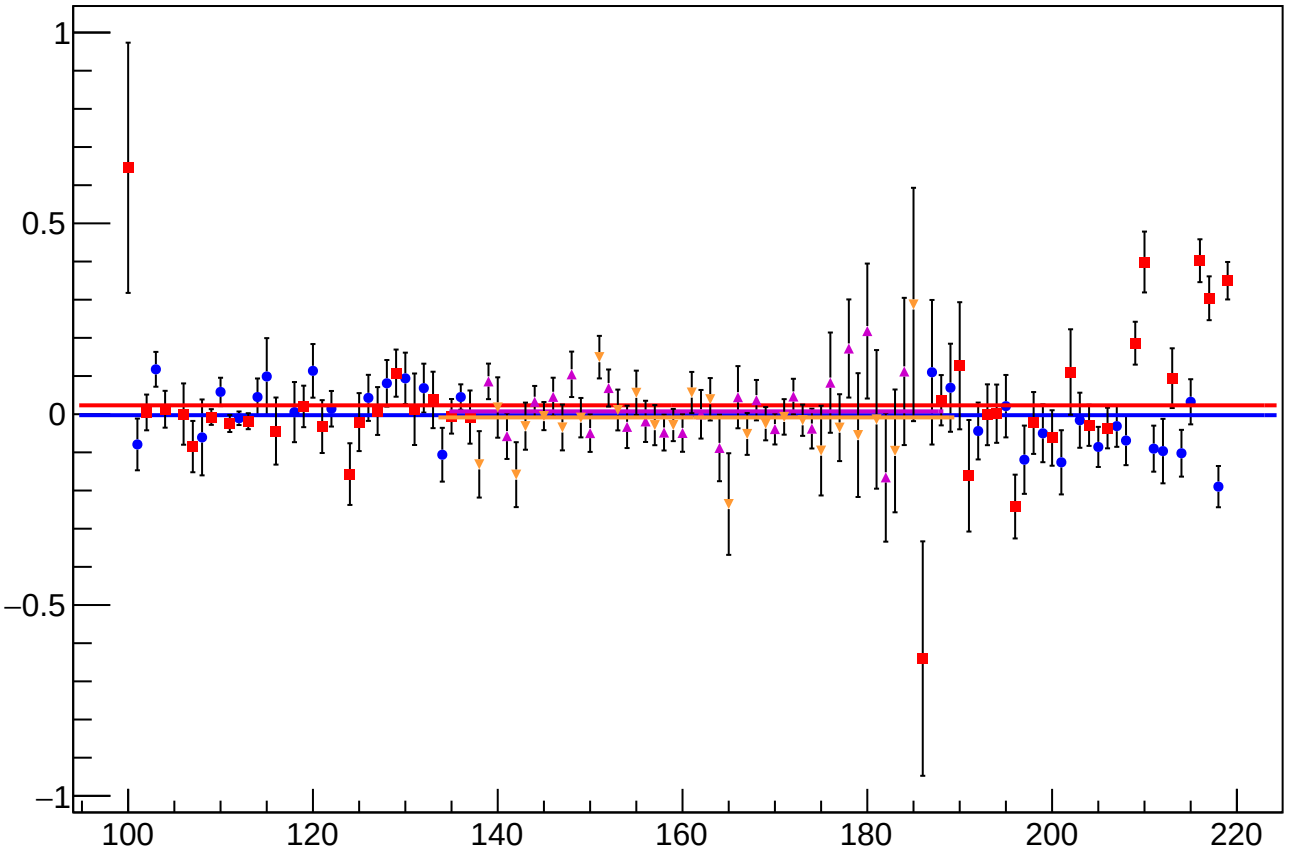
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 33.440+/-0.004 χ^2/NDF: 21139063.5/68

In: 39.879+/-0.005 χ^2/NDF:13605883.9/54

Out: 37.406+/-0.005 χ^2/NDF:18666237.9/61

All: 38.563+/-0.004 χ^2/NDF: 32391820.0/116



Right In: -0.003+/-0.009 χ^2/NDF: 53.8/31

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.023+/-0.008 χ^2/NDF: 192.7/36

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

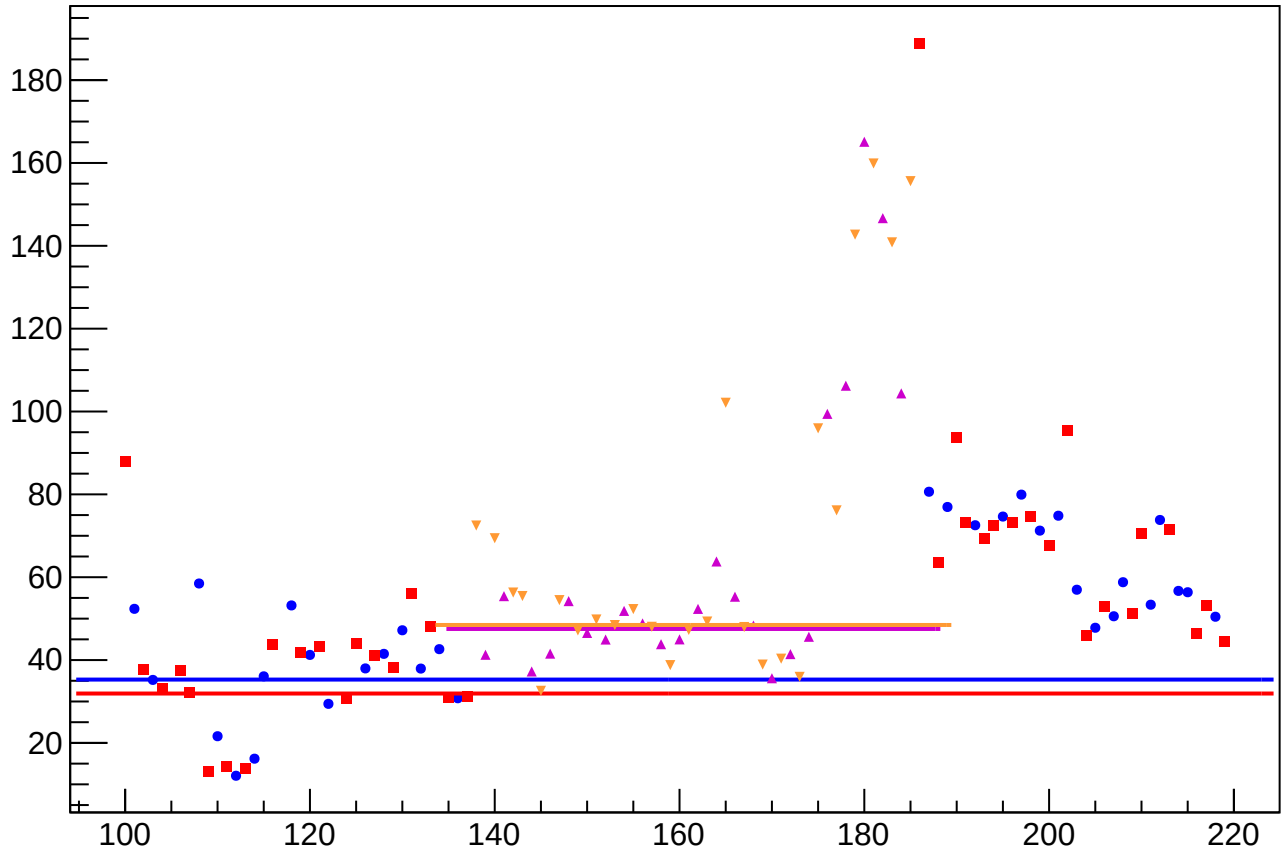
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.012+/-0.006 χ^2/NDF: 250.7/68

In: 0.001+/-0.007 χ^2/NDF:77.5/54

Out: 0.013+/-0.007 χ^2/NDF:220.5/61

All: 0.007+/-0.005 χ^2/NDF: 299.3/116



Right In: 35.290+/-0.007 χ^2/NDF: 9243820.9/31

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 31.922+/-0.006 χ^2/NDF: 11752188.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

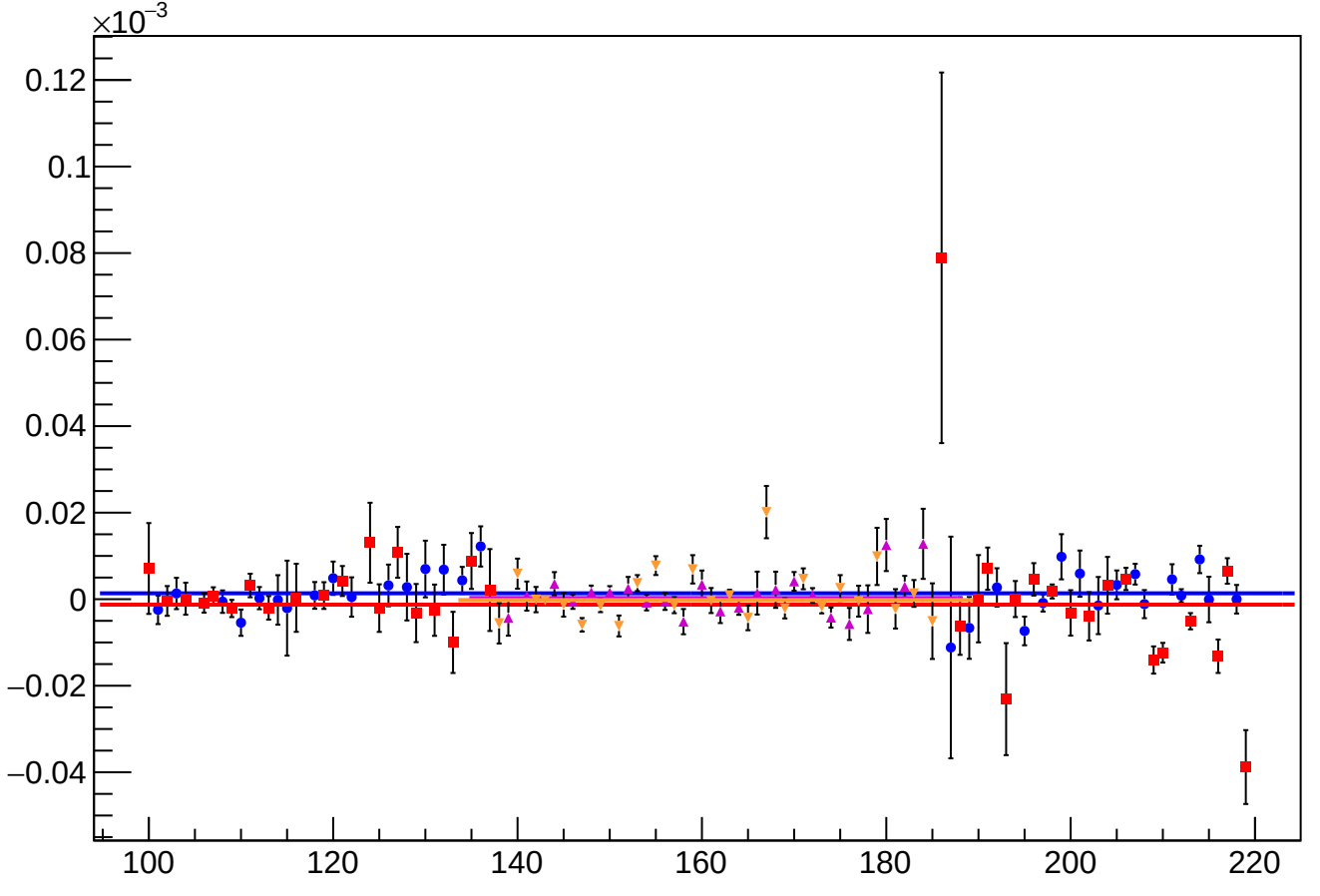
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 33.440+/-0.004 χ^2/NDF: 21139063.5/68

In: 39.879+/-0.005 χ^2/NDF:13605883.9/54

Out: 37.406+/-0.005 χ^2/NDF:18666237.9/61

All: 38.563+/-0.004 χ^2/NDF: 32391820.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 41.2/31

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 120.9/36

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

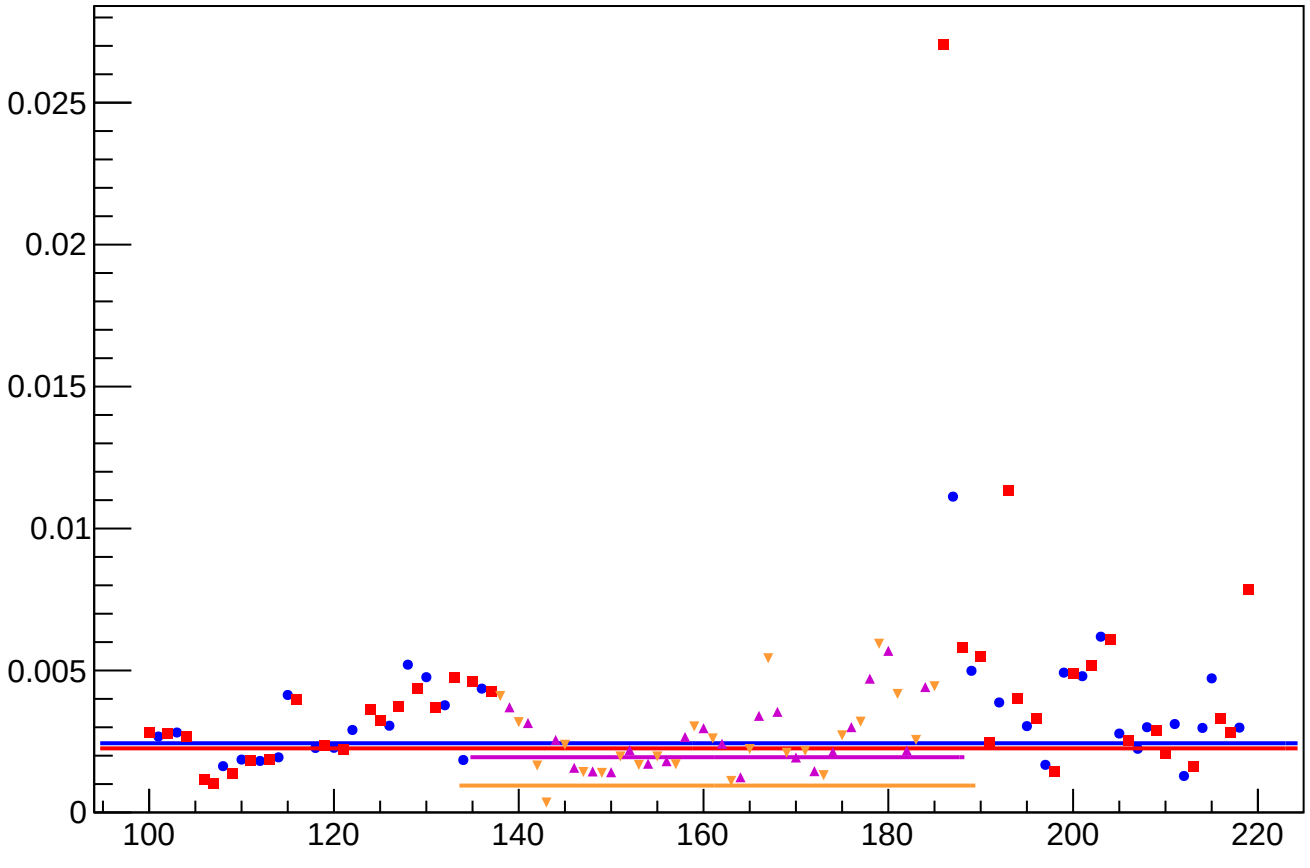
Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

Right: -0.000+/-0.000 χ^2/NDF: 172.2/68

In: 0.000+/-0.000 χ^2/NDF:74.1/54

Out: -0.000+/-0.000 χ^2/NDF:195.4/61

All: -0.000+/-0.000 χ^2/NDF: 275.4/116



Right In: 0.002+/-0.000 χ^2/NDF: 5967174.7/31

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9641937.4/36

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

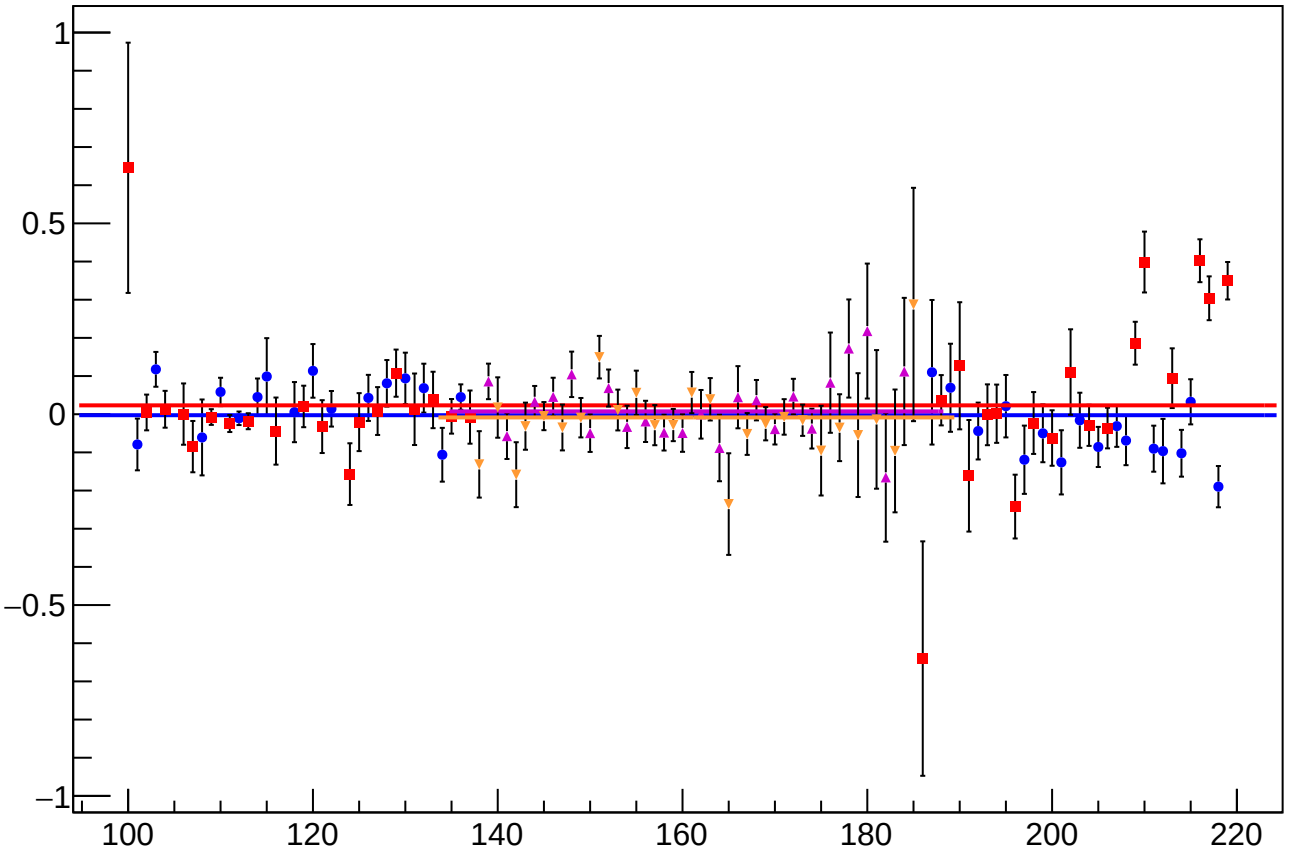
Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

Right: 0.002+/-0.000 χ^2/NDF: 15703772.0/68

In: 0.002+/-0.000 χ^2/NDF:11117239.1/54

Out: 0.001+/-0.000 χ^2/NDF:35600016.1/61

All: 0.002+/-0.000 χ^2/NDF: 54265975.0/116



Right In: -0.003+/-0.009 χ^2/NDF: 53.8/31

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.023+/-0.008 χ^2/NDF: 192.7/36

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

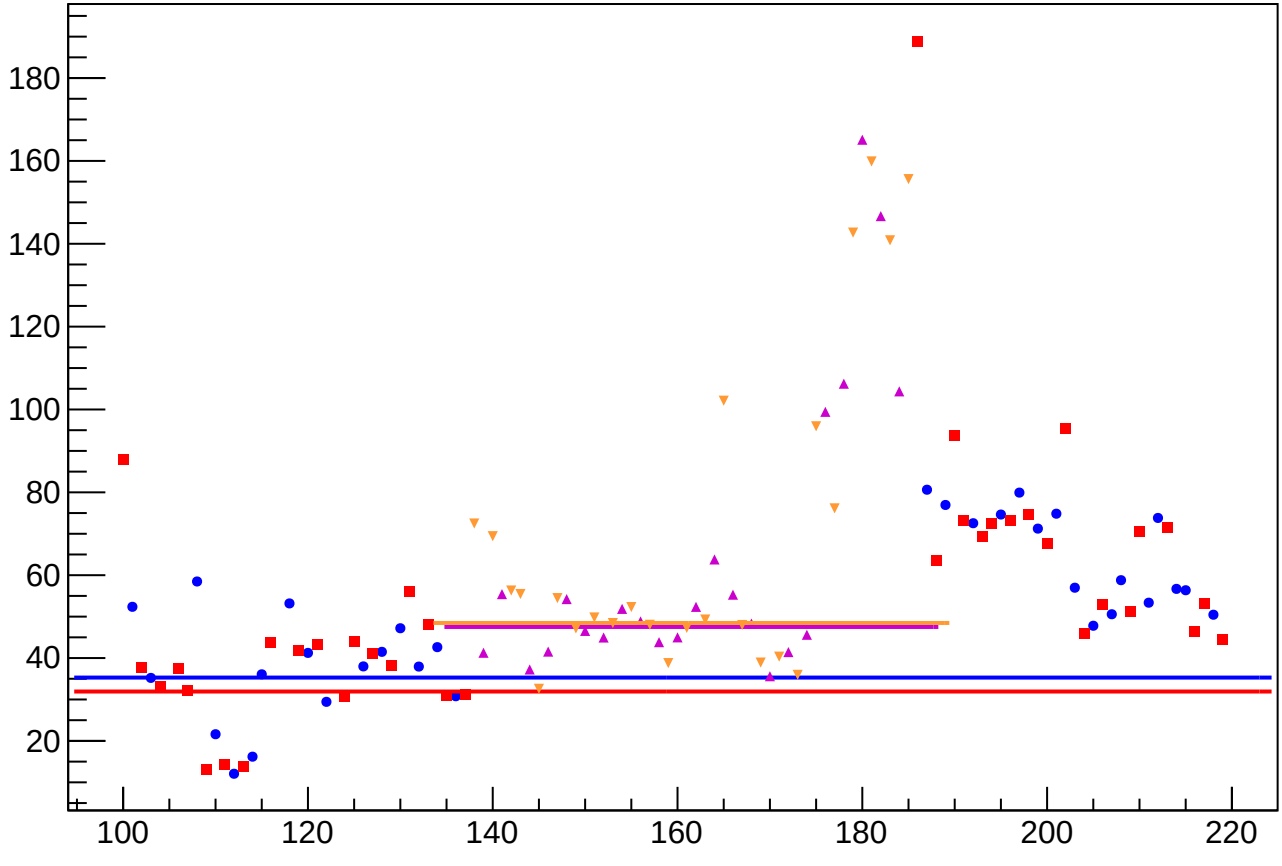
Right: 0.012+/-0.006 χ^2/NDF: 250.7/68

In: 0.001+/-0.007 χ^2/NDF:77.5/54

Out: 0.013+/-0.007 χ^2/NDF:220.5/61

All: 0.007+/-0.005 χ^2/NDF: 299.3/116

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.288+/-0.007 χ^2/NDF: 9244710.6/31

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 31.922+/-0.006 χ^2/NDF: 11752494.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

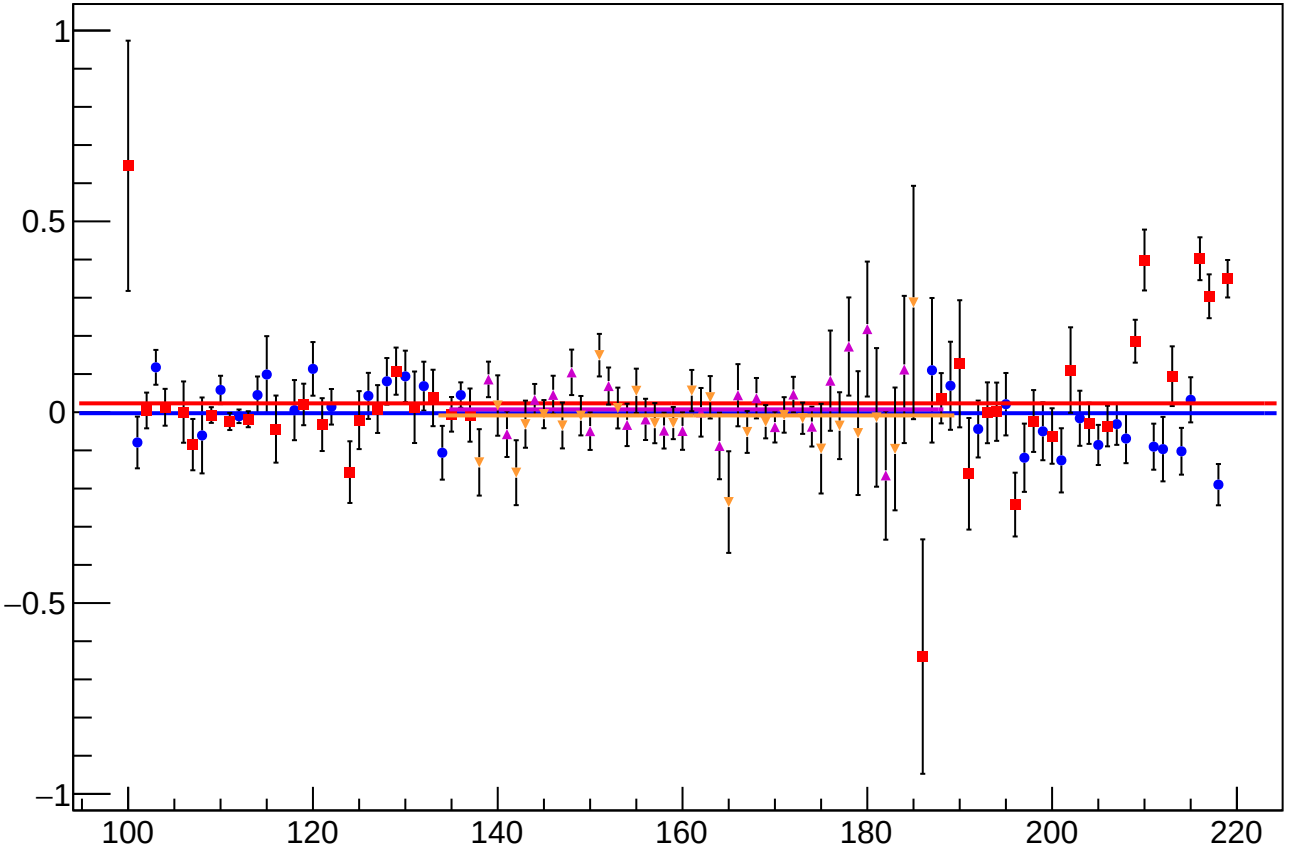
Right: 33.439+/-0.004 χ^2/NDF: 21140177.6/68

In: 39.878+/-0.005 χ^2/NDF:13607086.4/54

Out: 37.406+/-0.005 χ^2/NDF:18666691.2/61

All: 38.562+/-0.004 χ^2/NDF: 32393412.0/116

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.009 χ^2/NDF: 53.8/31

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.023+/-0.008 χ^2/NDF: 192.7/36

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

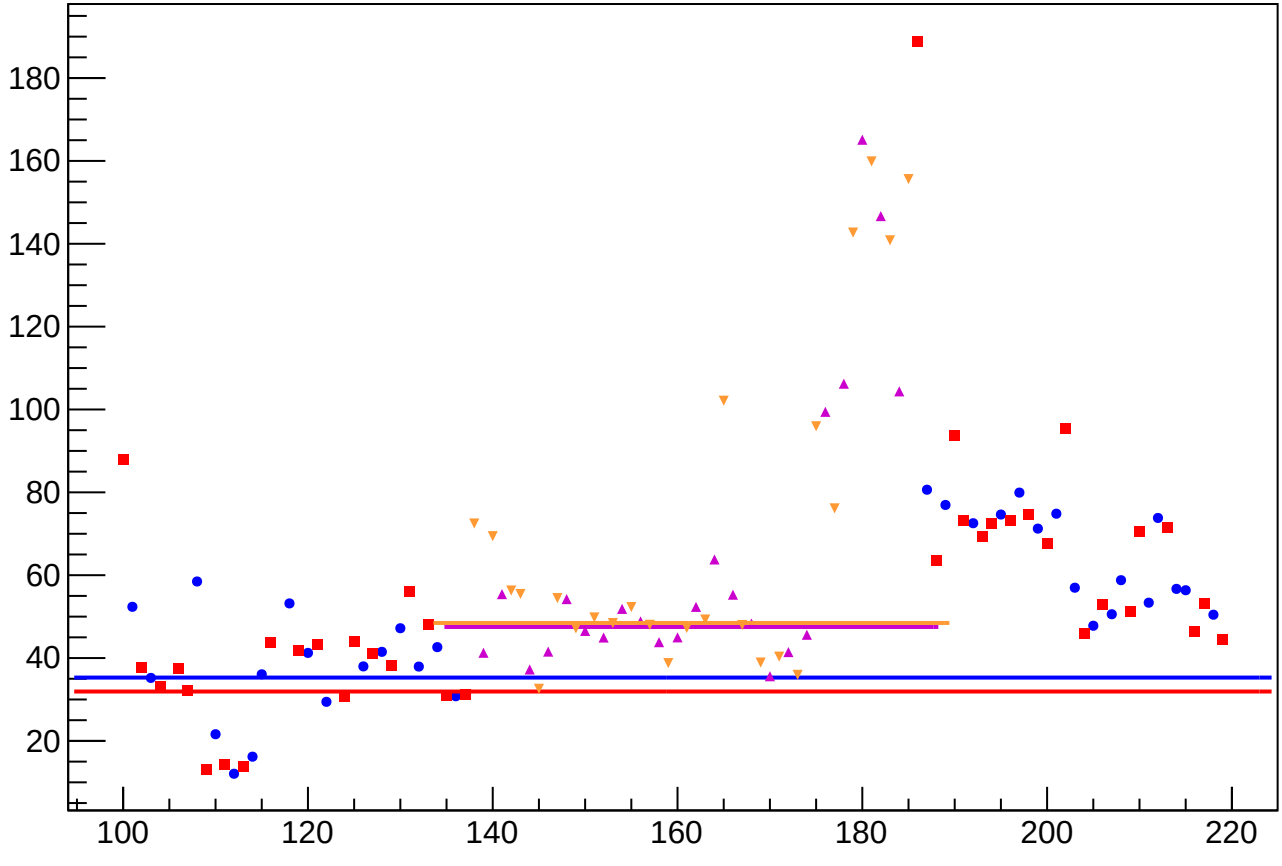
Right: 0.012+/-0.006 χ^2/NDF: 250.7/68

In: 0.001+/-0.007 χ^2/NDF:77.5/54

Out: 0.013+/-0.007 χ^2/NDF:220.5/61

All: 0.007+/-0.005 χ^2/NDF: 299.3/116

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.288+/-0.007 χ^2/NDF: 9244710.6/31

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 31.922+/-0.006 χ^2/NDF: 11752494.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

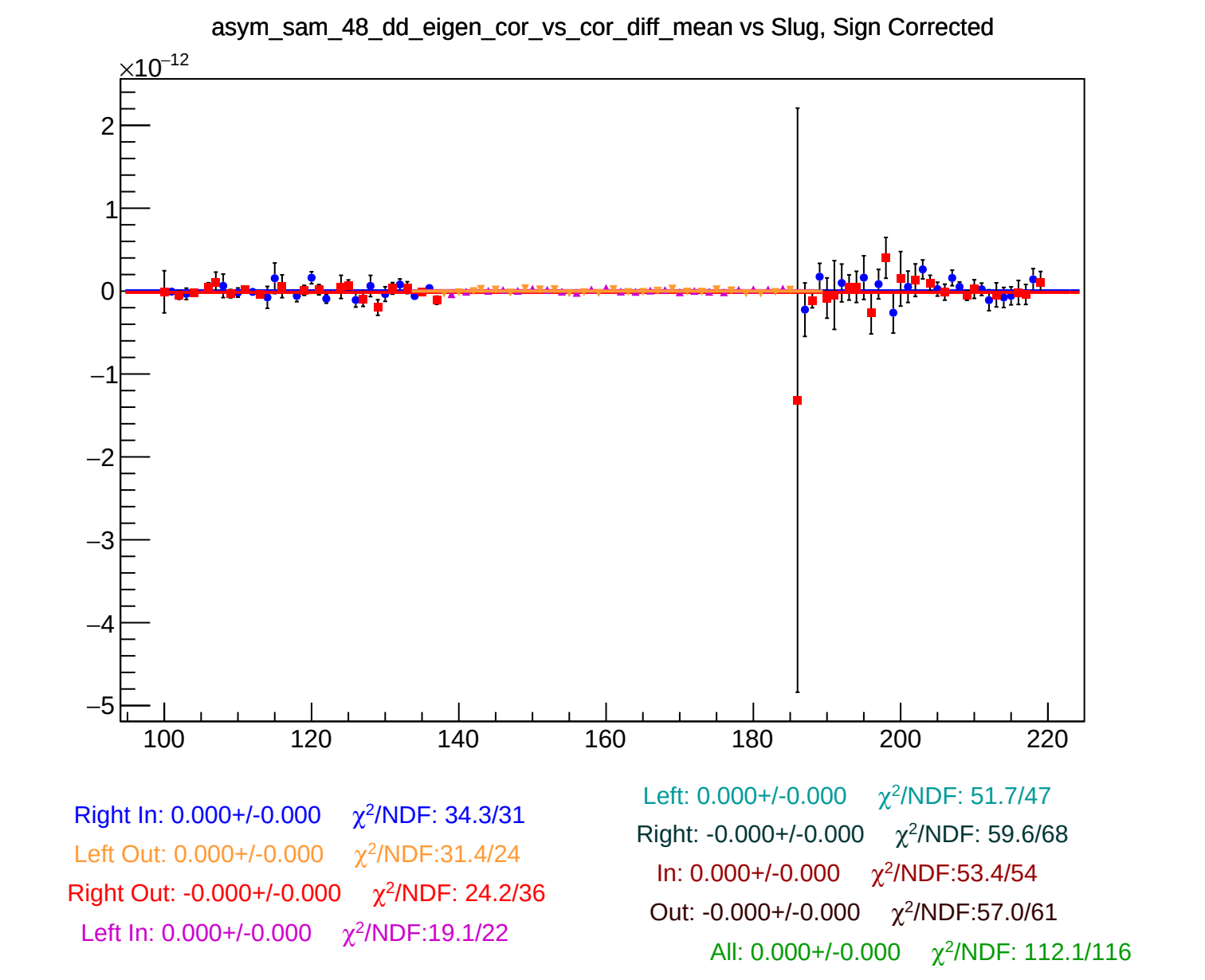
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 33.439+/-0.004 χ^2/NDF: 21140177.6/68

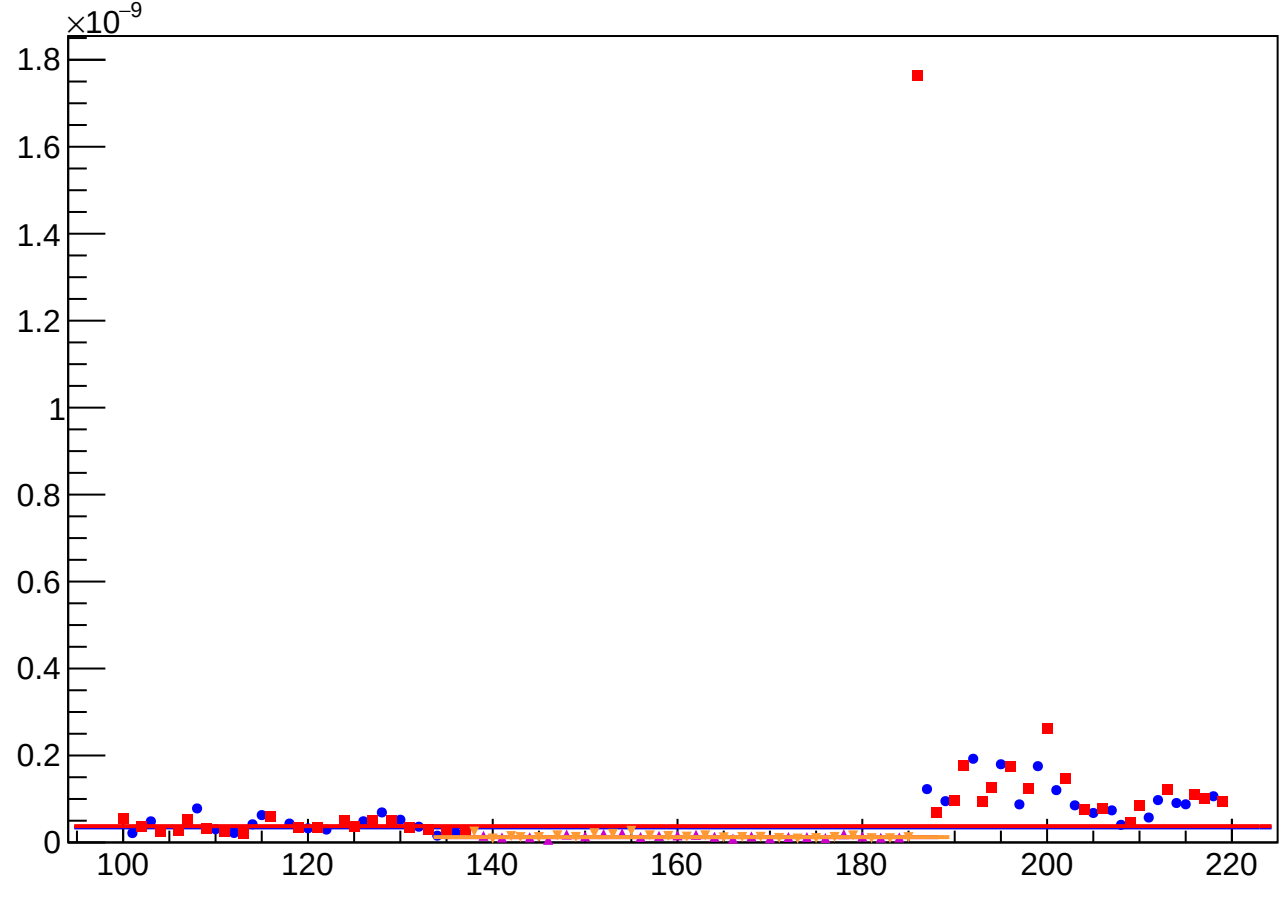
In: 39.878+/-0.005 χ^2/NDF:13607086.4/54

Out: 37.406+/-0.005 χ^2/NDF:18666691.2/61

All: 38.562+/-0.004 χ^2/NDF: 32393412.0/116


asym_sam_48_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: 34.3/31
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.2/36
Left In: 0.000+/-0.000 χ²/NDF:19.1/22
Left: 0.000+/-0.000 χ²/NDF: 51.7/47
Right: -0.000+/-0.000 χ²/NDF: 59.6/68
In: 0.000+/-0.000 χ²/NDF:53.4/54
Out: -0.000+/-0.000 χ²/NDF:57.0/61
All: 0.000+/-0.000 χ²/NDF: 112.1/116

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9011182.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9100477.8/36

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

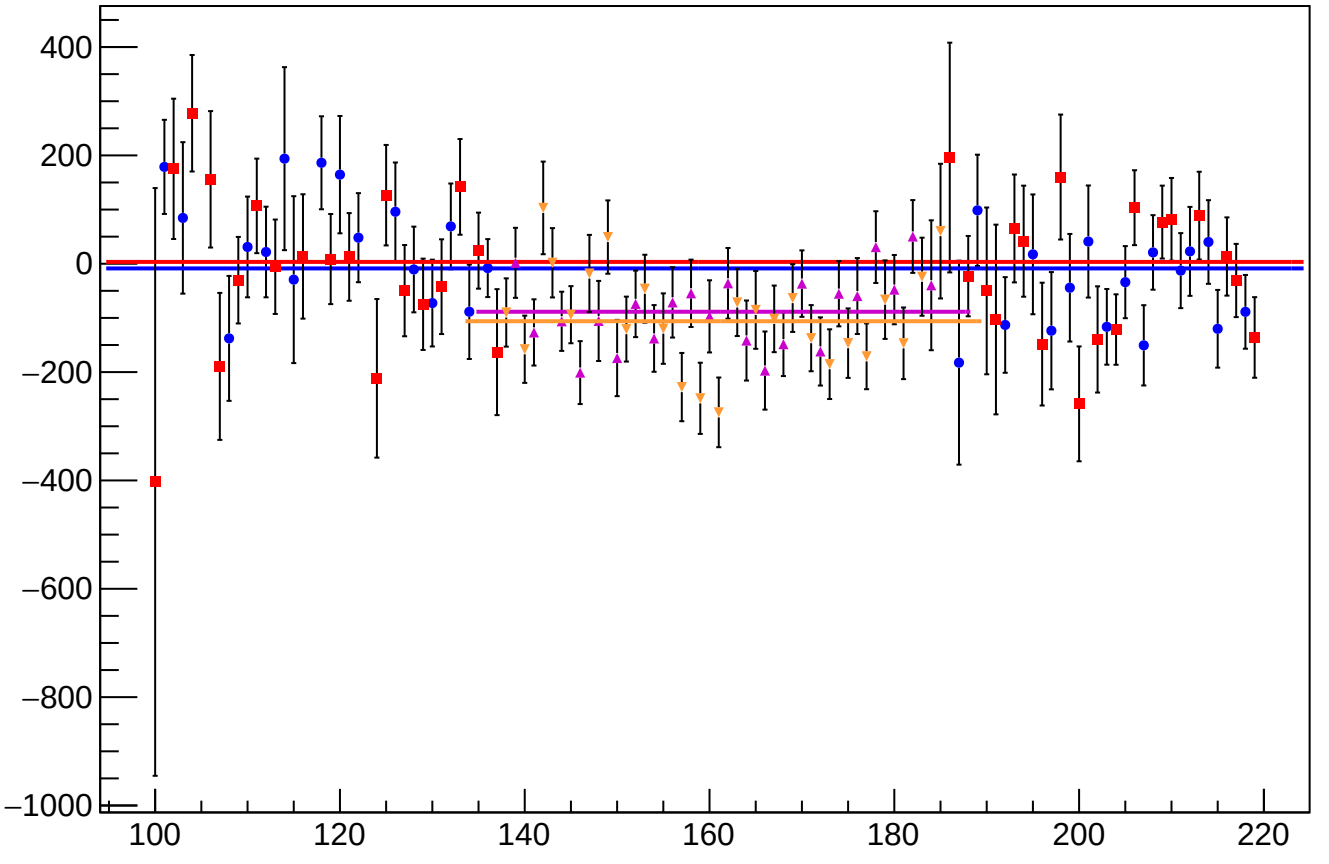
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 18171027.3/68

In: 0.000+/-0.000 χ^2/NDF:17734993.2/54

Out: 0.000+/-0.000 χ^2/NDF:18990667.4/61

All: 0.000+/-0.000 χ^2/NDF: 36725662.7/116



Right In: -8.650+/-15.052 χ^2/NDF: 35.7/31

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 3.392+/-15.000 χ^2/NDF: 50.8/36

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

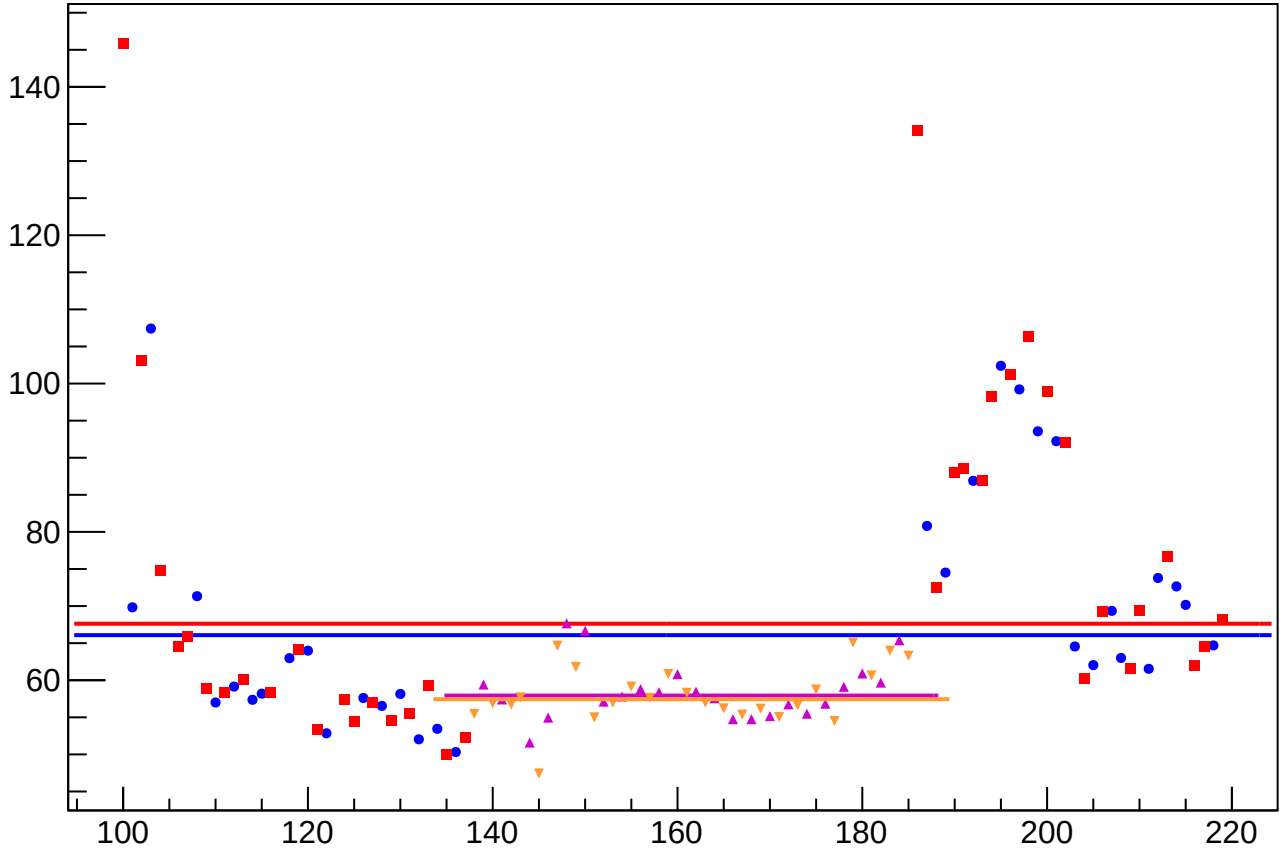
Right: -2.608+/-10.625 χ^2/NDF: 86.8/68

In: -52.777+/-10.077 χ^2/NDF:75.2/54

Out: -58.769+/-9.862 χ^2/NDF:121.7/61

All: -55.838+/-7.048 χ^2/NDF: 197.1/116

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 66.080+/-0.011 χ^2/NDF: 1511035.6/31

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.619+/-0.011 χ^2/NDF: 1998500.8/36

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

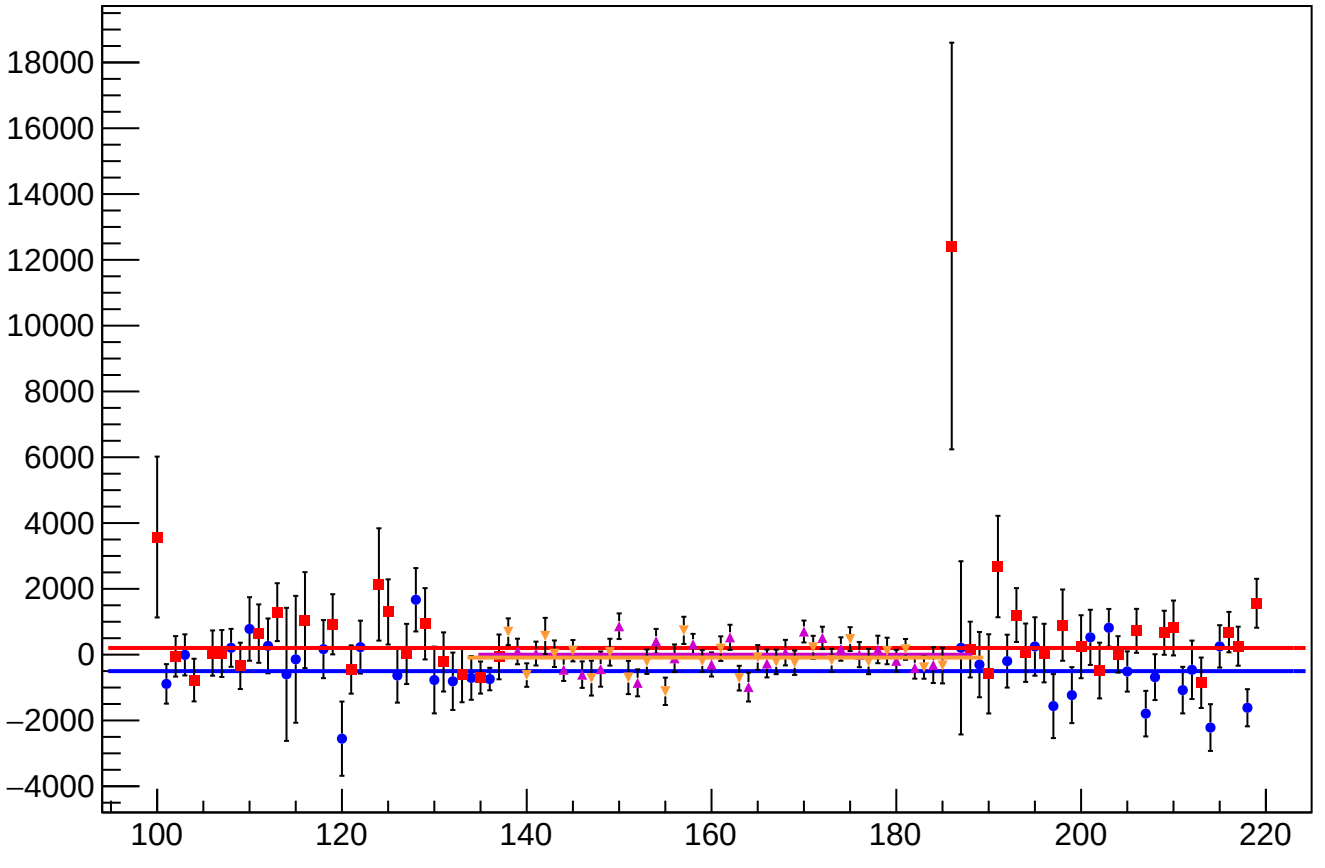
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.852+/-0.008 χ^2/NDF: 3520026.4/68

In: 61.584+/-0.007 χ^2/NDF:1970225.2/54

Out: 61.840+/-0.007 χ^2/NDF:2695855.1/61

All: 61.715+/-0.005 χ^2/NDF: 4666738.8/116



Right In: -501.062+/-130.023 χ^2/NDF: 40.8/31

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 202.962+/-131.429 χ^2/NDF: 33.5/36

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

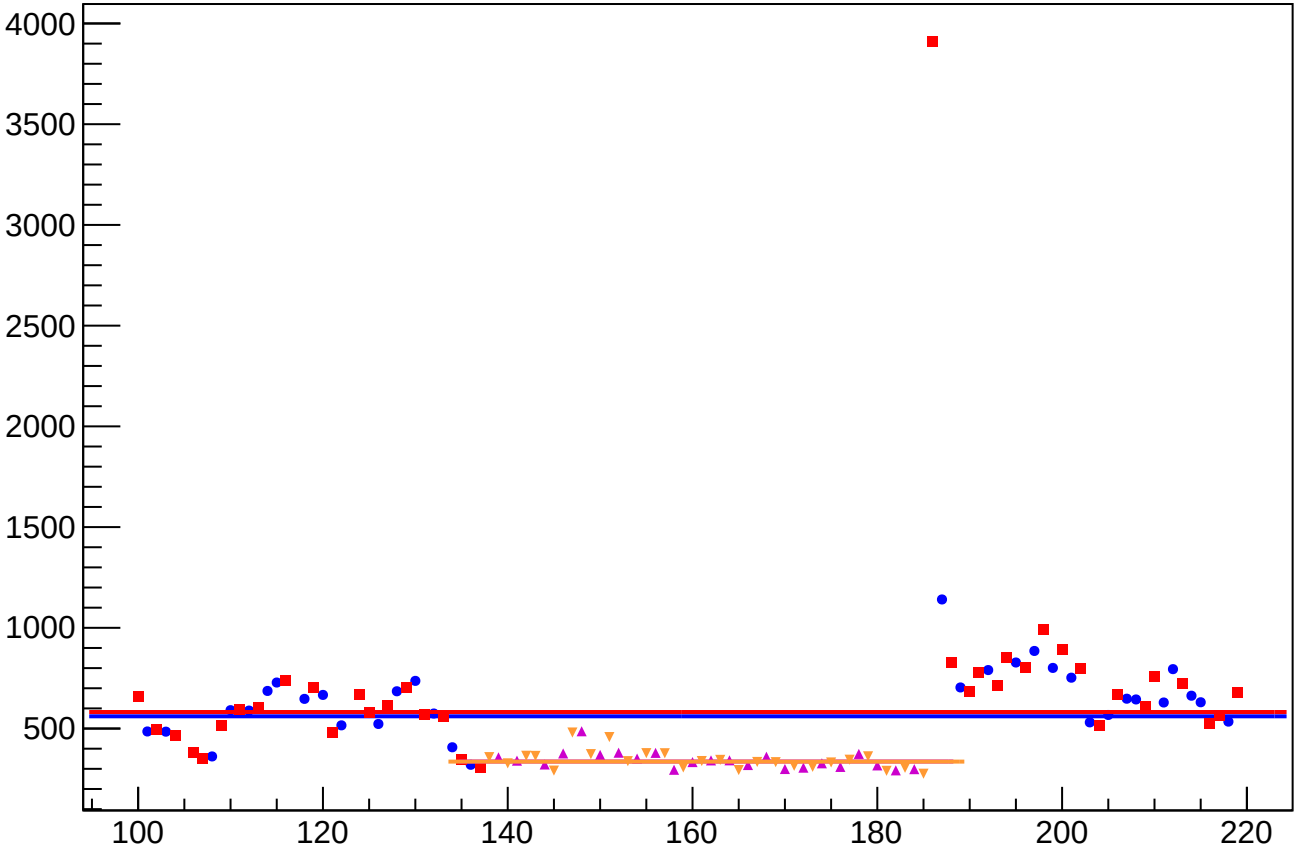
Right: -152.837+/-92.433 χ^2/NDF: 88.8/68

In: -137.803+/-67.635 χ^2/NDF:85.1/54

Out: -14.422+/-66.445 χ^2/NDF:67.0/61

All: -75.017+/-47.399 χ^2/NDF: 153.8/116

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 560.768+/-0.092 χ^2/NDF: 2831575.5/31

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 582.069+/-0.093 χ^2/NDF: 3491071.4/36

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

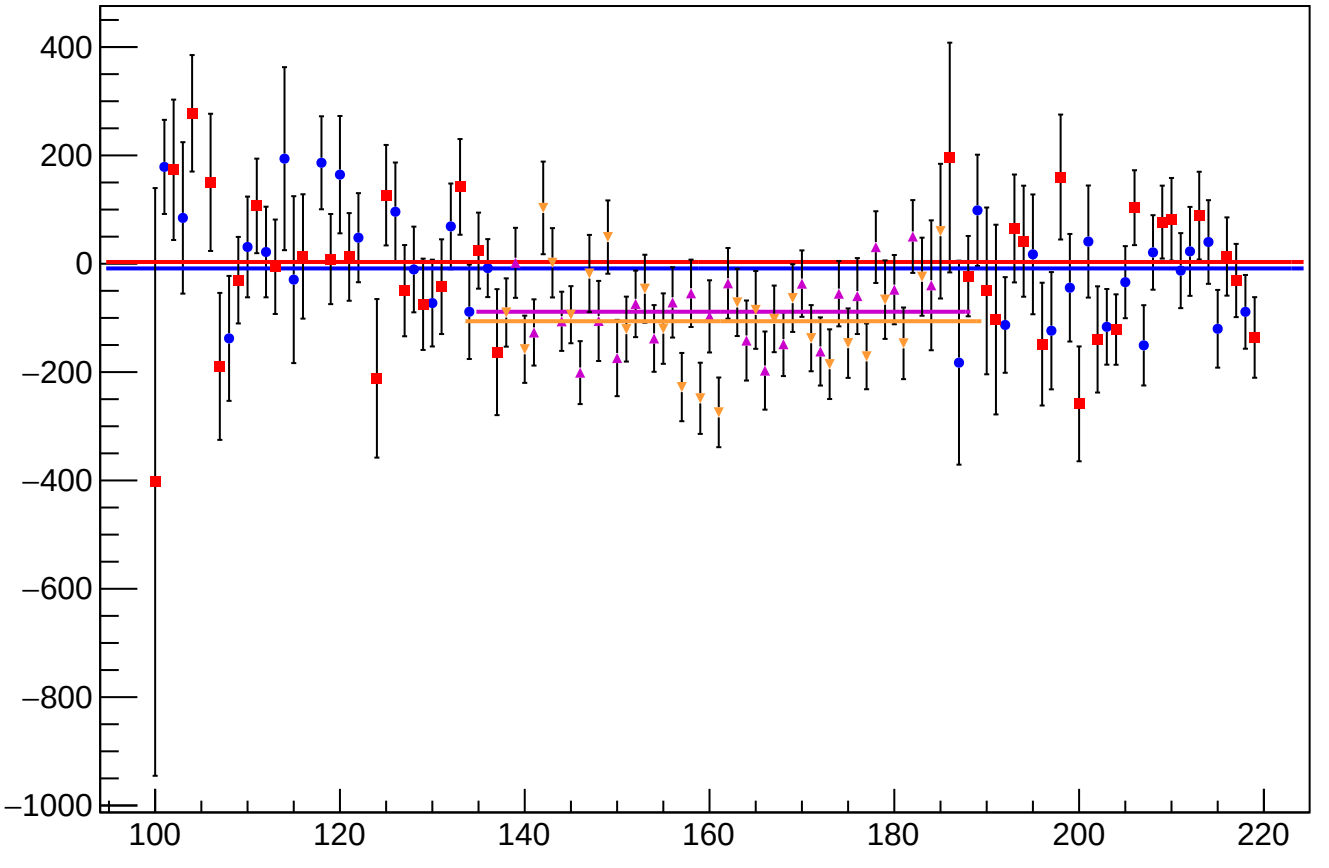
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 571.304+/-0.065 χ^2/NDF: 6349196.6/68

In: 397.070+/-0.048 χ^2/NDF:7591936.0/54

Out: 398.813+/-0.047 χ^2/NDF:9248232.7/61

All: 397.957+/-0.034 χ^2/NDF: 16840844.8/11



Right In: -8.654+/-15.052 χ^2/NDF: 35.7/31

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 3.264+/-15.002 χ^2/NDF: 50.6/36

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

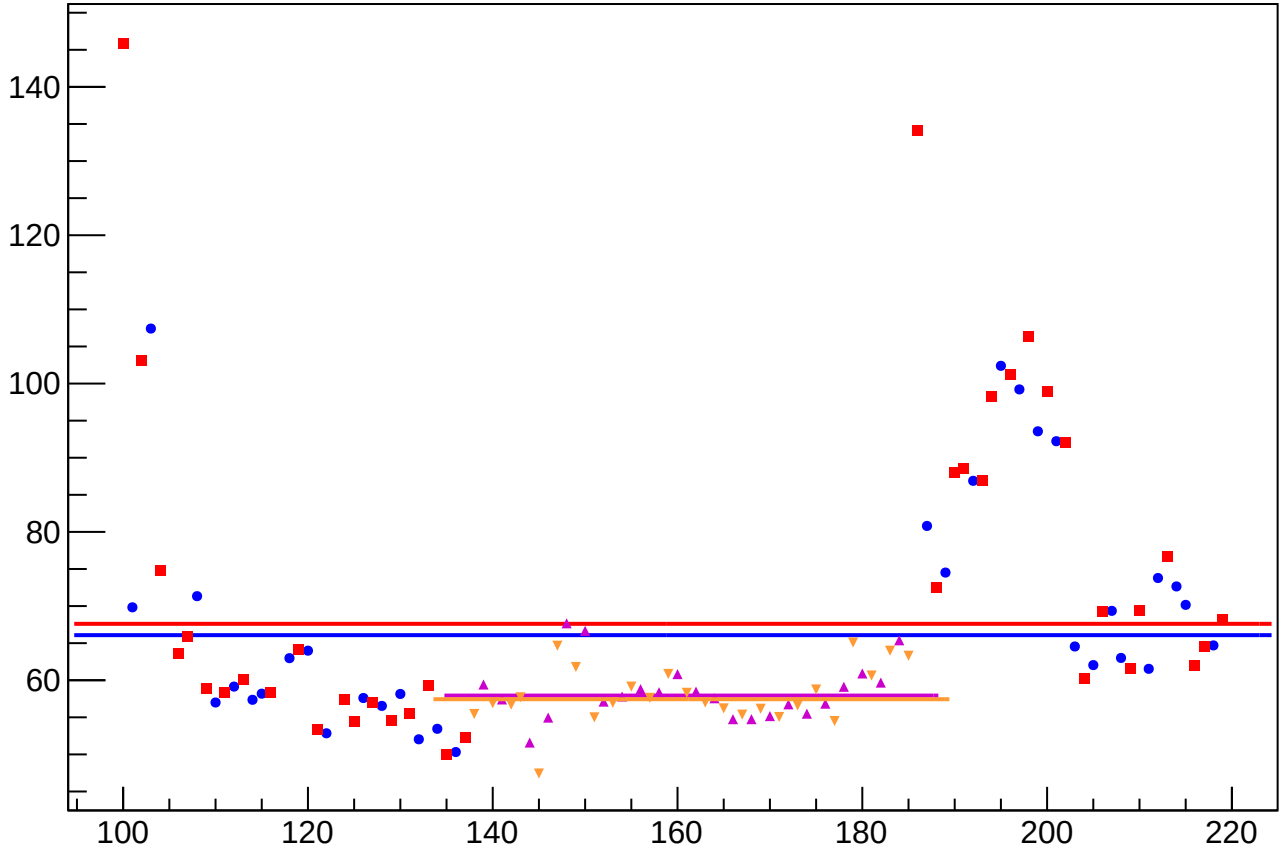
Right: -2.675+/-10.626 χ^2/NDF: 86.6/68

In: -52.780+/-10.077 χ^2/NDF:75.2/54

Out: -58.830+/-9.863 χ^2/NDF:121.5/61

All: -55.870+/-7.049 χ^2/NDF: 196.8/116

cor_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 66.080+/-0.011 χ^2/NDF: 1511037.6/31

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.605+/-0.011 χ^2/NDF: 1999566.1/36

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

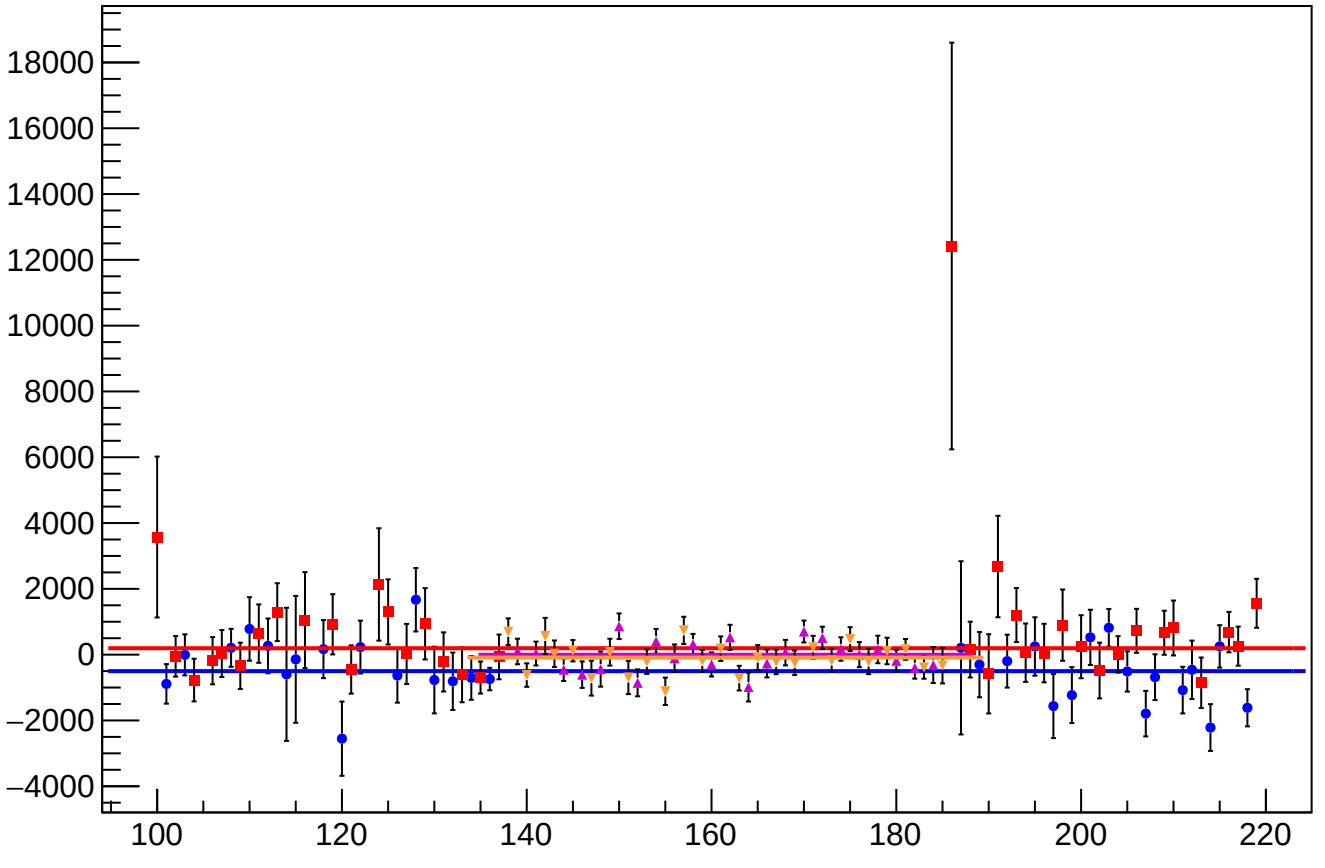
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.845+/-0.008 χ^2/NDF: 3520913.3/68

In: 61.584+/-0.007 χ^2/NDF:1970227.2/54

Out: 61.834+/-0.007 χ^2/NDF:2695513.3/61

All: 61.712+/-0.005 χ^2/NDF: 4666367.8/116



Right In: -501.048+/-130.023 χ^2/NDF: 40.8/31

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 195.639+/-131.638 χ^2/NDF: 33.7/36

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

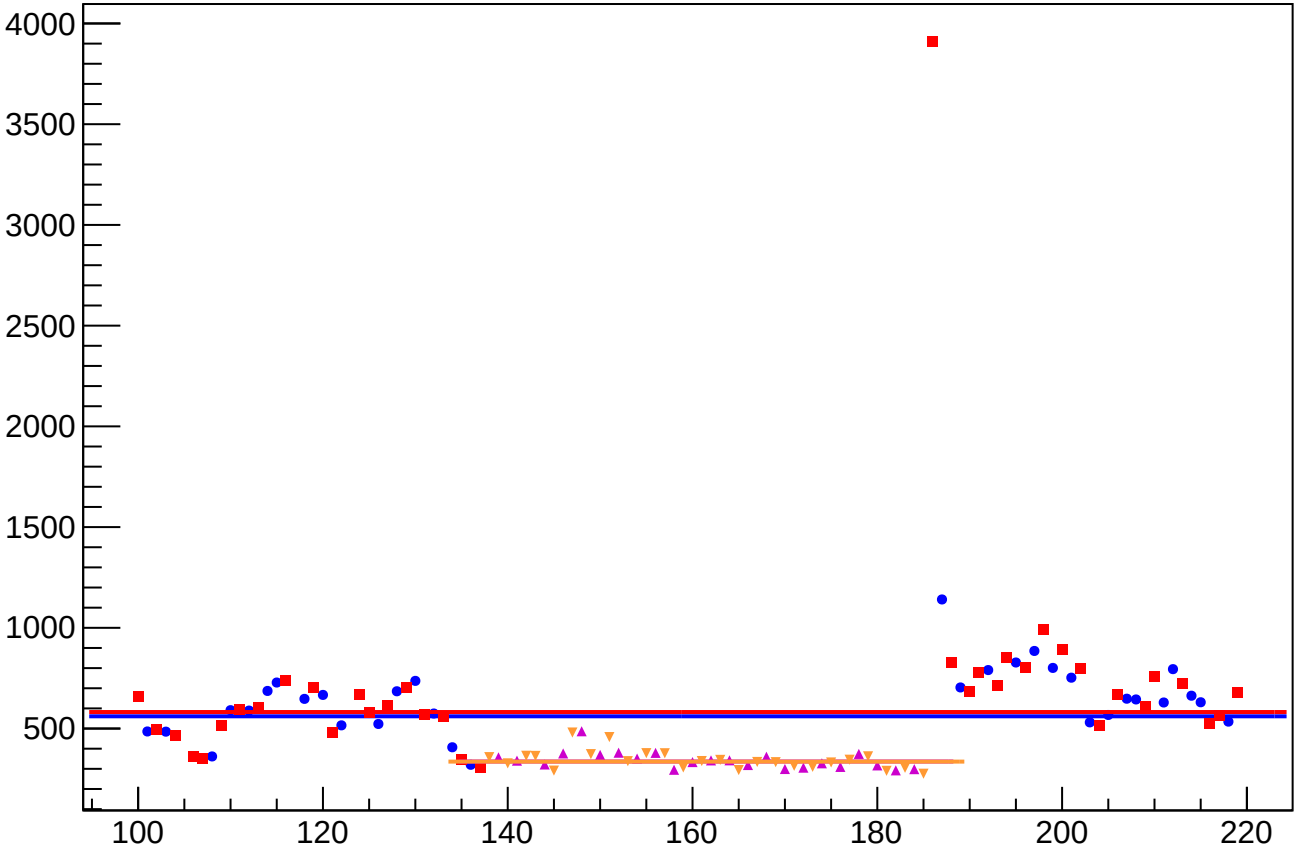
Right: -157.003+/-92.506 χ^2/NDF: 88.7/68

In: -137.800+/-67.635 χ^2/NDF:85.1/54

Out: -16.468+/-66.472 χ^2/NDF:67.1/61

All: -76.081+/-47.409 χ^2/NDF: 153.8/116

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 560.770+/-0.092 χ^2/NDF: 2831541.9/31

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 582.014+/-0.093 χ^2/NDF: 3510490.1/36

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

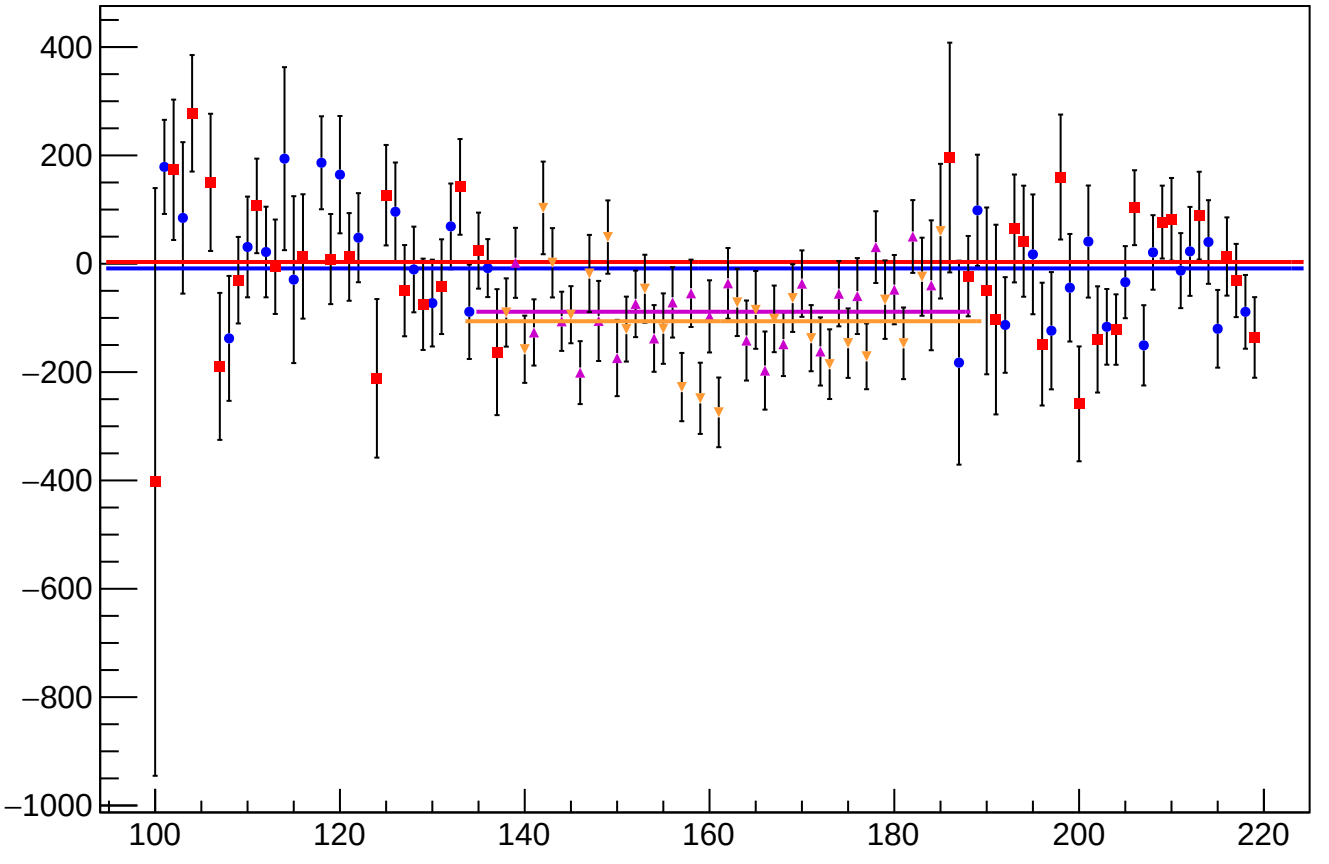
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 571.261+/-0.065 χ^2/NDF: 6368396.9/68

In: 397.070+/-0.048 χ^2/NDF:7591963.6/54

Out: 398.650+/-0.047 χ^2/NDF:9252986.1/61

All: 397.874+/-0.034 χ^2/NDF: 16845505.2/11



Right In: -8.654+/-15.052 χ^2/NDF: 35.7/31

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 3.264+/-15.002 χ^2/NDF: 50.6/36

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

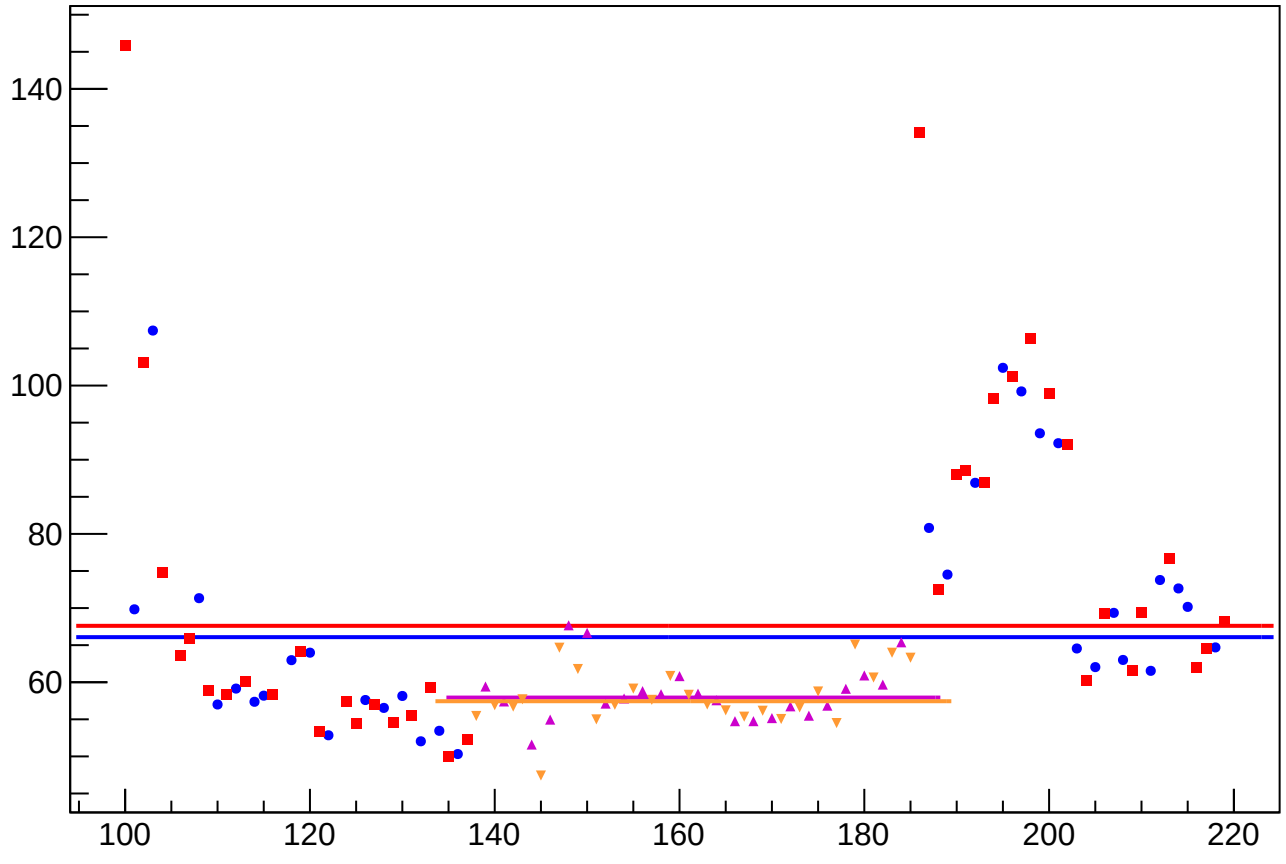
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: -2.675+/-10.626 χ^2/NDF: 86.6/68

In: -52.780+/-10.077 χ^2/NDF:75.2/54

Out: -58.830+/-9.863 χ^2/NDF:121.5/61

All: -55.870+/-7.049 χ^2/NDF: 196.8/116



Right In: 66.080+/-0.011 χ^2/NDF: 1511037.6/31

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.605+/-0.011 χ^2/NDF: 1999566.1/36

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

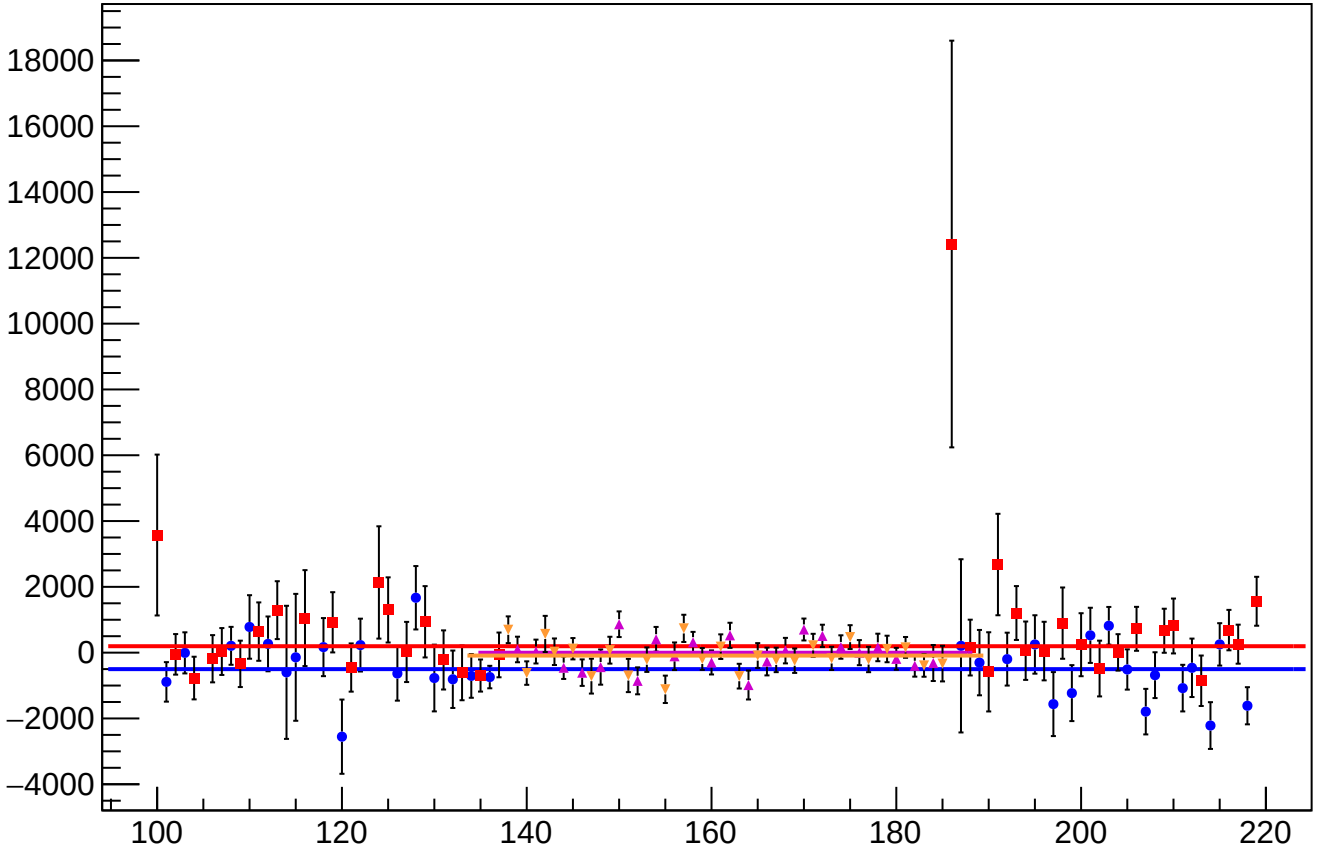
Right: 66.845+/-0.008 χ^2/NDF: 3520913.3/68

In: 61.584+/-0.007 χ^2/NDF:1970227.2/54

Out: 61.834+/-0.007 χ^2/NDF:2695513.3/61

All: 61.712+/-0.005 χ^2/NDF: 4666367.8/116

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -501.048+/-130.023 χ^2/NDF: 40.8/31

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 195.639+/-131.638 χ^2/NDF: 33.7/36

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

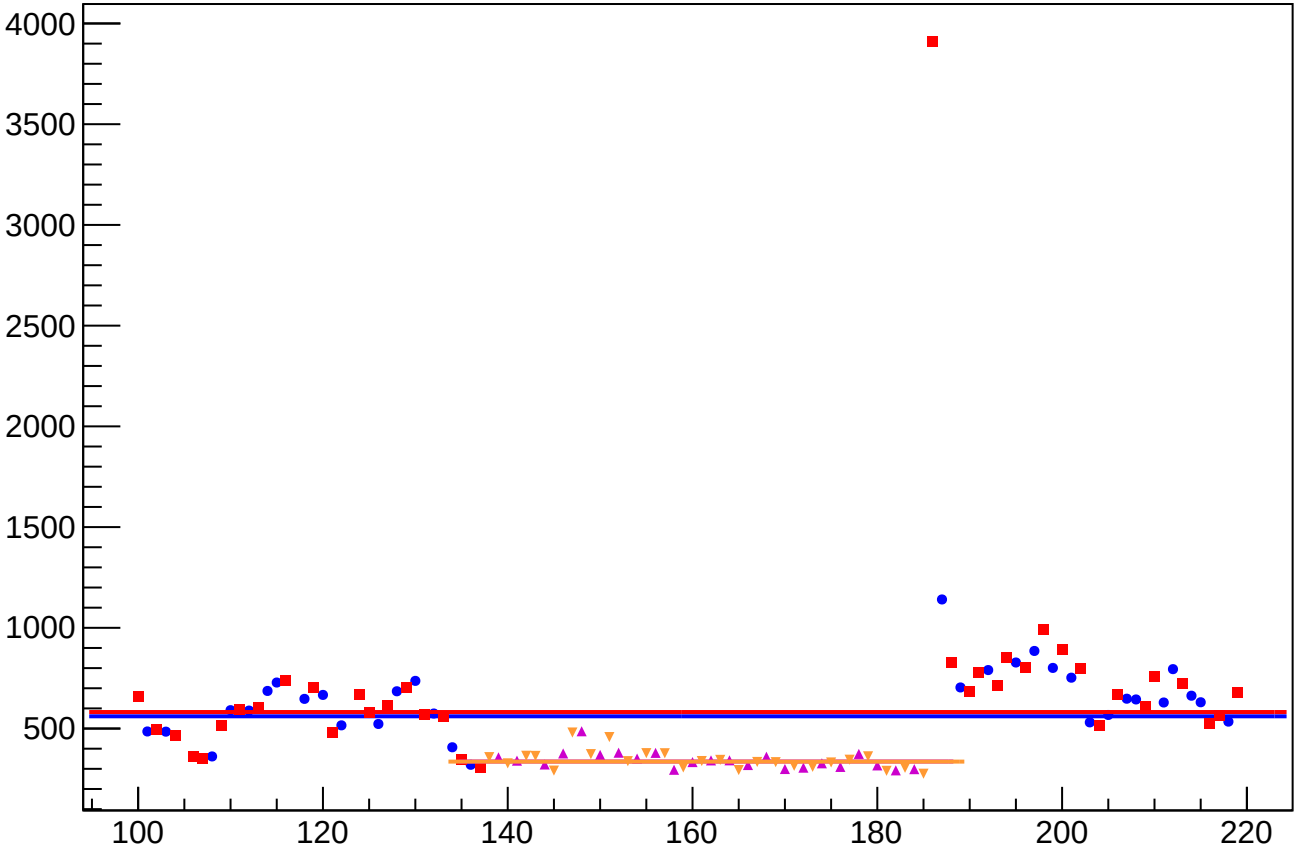
Right: -157.003+/-92.506 χ^2/NDF: 88.7/68

In: -137.800+/-67.635 χ^2/NDF:85.1/54

Out: -16.468+/-66.472 χ^2/NDF:67.1/61

All: -76.081+/-47.409 χ^2/NDF: 153.8/116

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 560.770+/-0.092 χ^2/NDF: 2831541.9/31

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 582.014+/-0.093 χ^2/NDF: 3510490.1/36

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

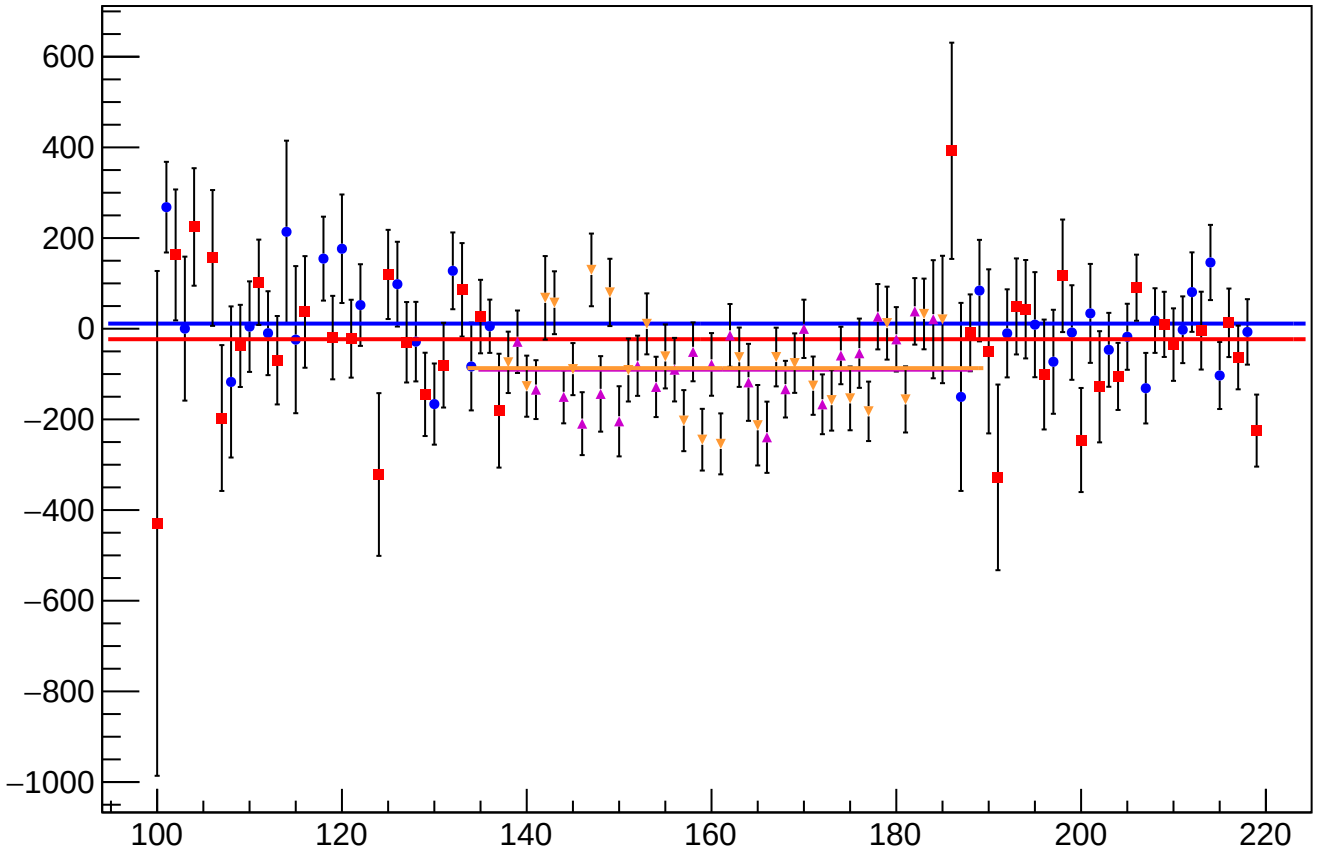
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 571.261+/-0.065 χ^2/NDF: 6368396.9/68

In: 397.070+/-0.048 χ^2/NDF:7591963.6/54

Out: 398.650+/-0.047 χ^2/NDF:9252986.1/61

All: 397.874+/-0.034 χ^2/NDF: 16845505.2/1



Right In: 11.314+/-16.350 χ^2/NDF: 32.2/31

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -23.135+/-16.418 χ^2/NDF: 44.0/36

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

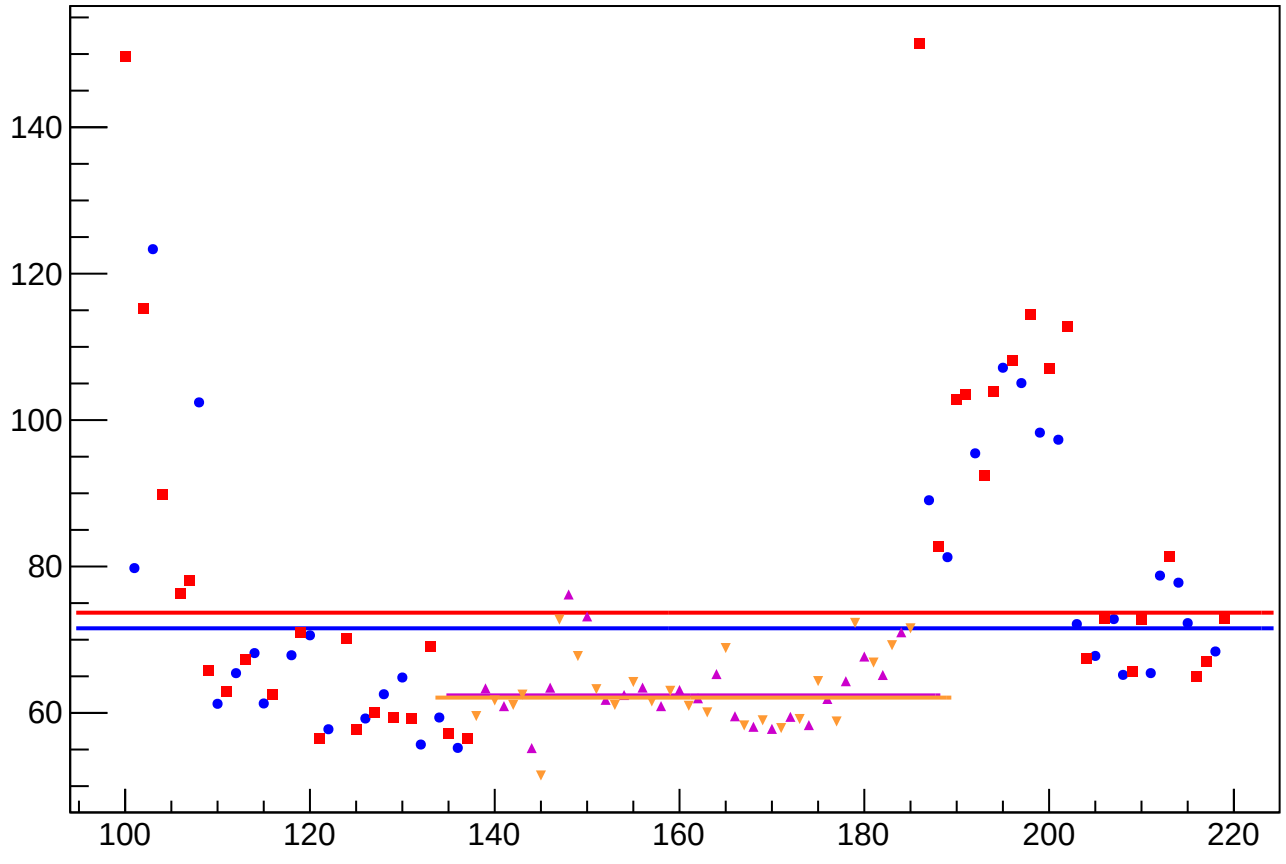
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: -5.839+/-11.585 χ^2/NDF: 78.4/68

In: -45.061+/-10.913 χ^2/NDF:78.7/54

Out: -59.701+/-10.729 χ^2/NDF:101.5/61

All: -52.505+/-7.651 χ^2/NDF: 181.1/116



Right In: 71.559+/-0.012 χ^2/NDF: 1523975.2/31

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 73.692+/-0.012 χ^2/NDF: 2103615.4/36

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

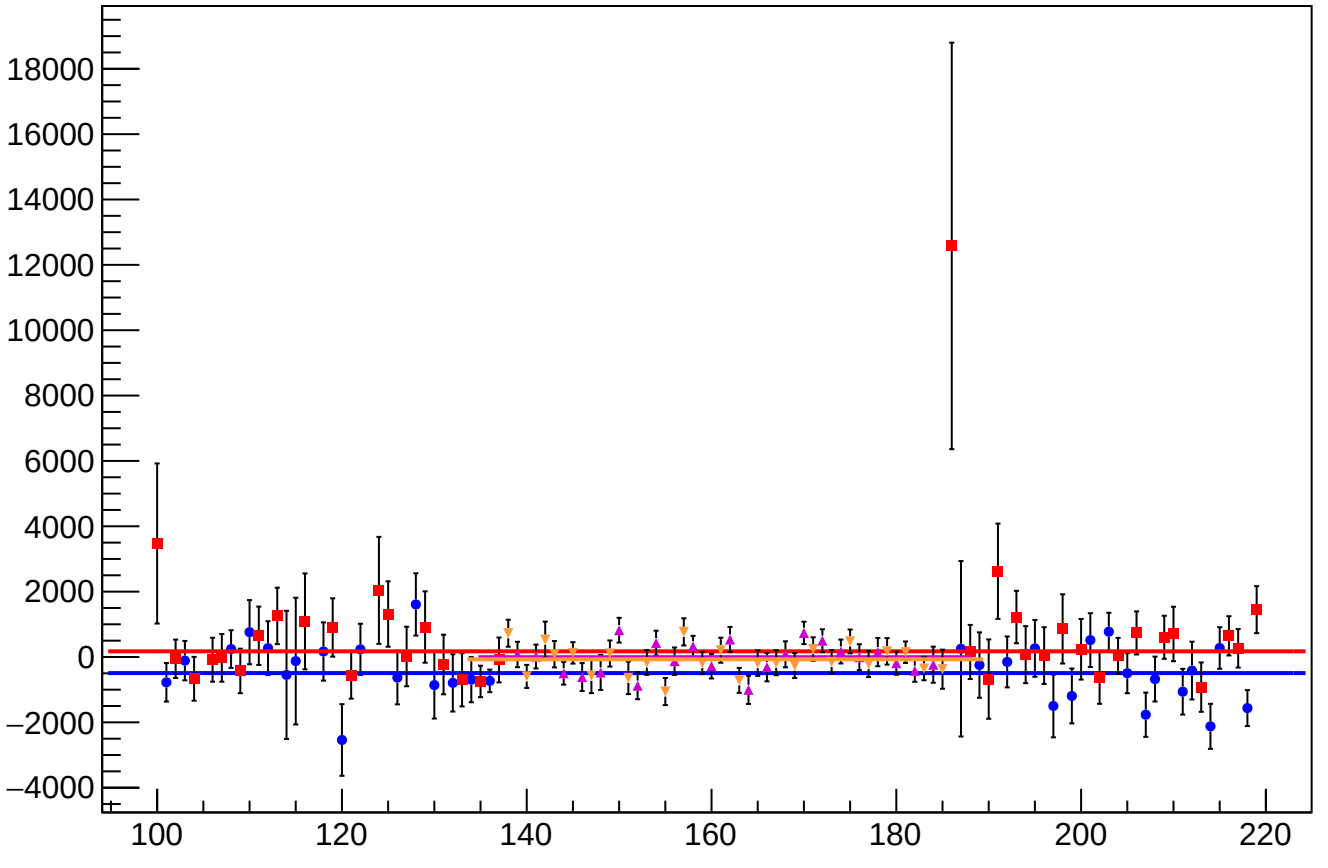
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 72.621+/-0.008 χ^2/NDF: 3644537.9/68

In: 66.478+/-0.008 χ^2/NDF:2061162.0/54

Out: 67.047+/-0.008 χ^2/NDF:2908881.1/61

All: 66.767+/-0.005 χ^2/NDF: 4972803.2/116



Right In: -492.444+/-129.149 χ^2/NDF: 39.6/31

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 173.537+/-129.686 χ^2/NDF: 34.7/36

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

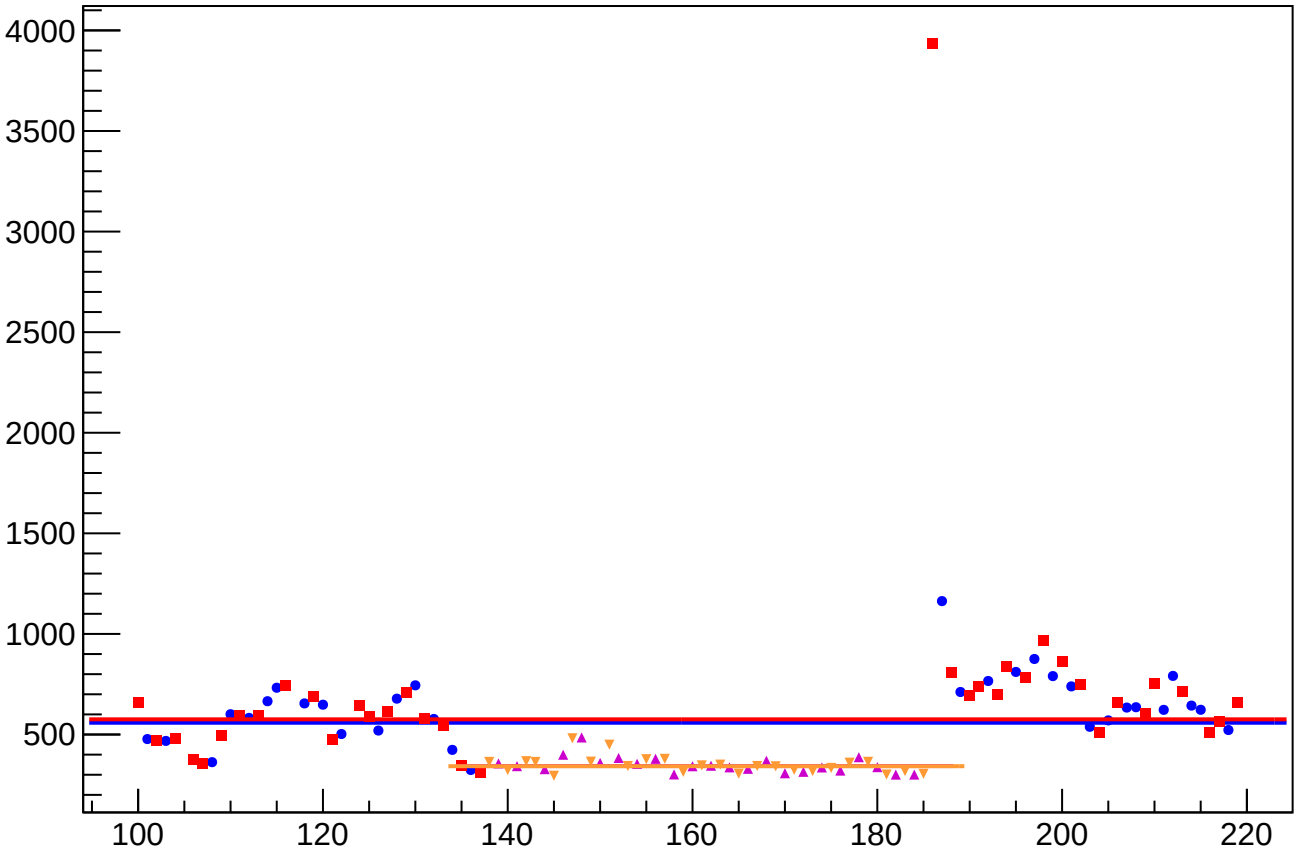
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

Right: -160.834+/-91.511 χ^2/NDF: 87.6/68

In: -142.840+/-68.474 χ^2/NDF:83.8/54

Out: -5.788+/-67.092 χ^2/NDF:65.9/61

All: -72.917+/-47.923 χ^2/NDF: 151.8/116



Right In: 558.592+/-0.091 χ^2/NDF: 2687081.7/31

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 575.457+/-0.092 χ^2/NDF: 3350192.5/36

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

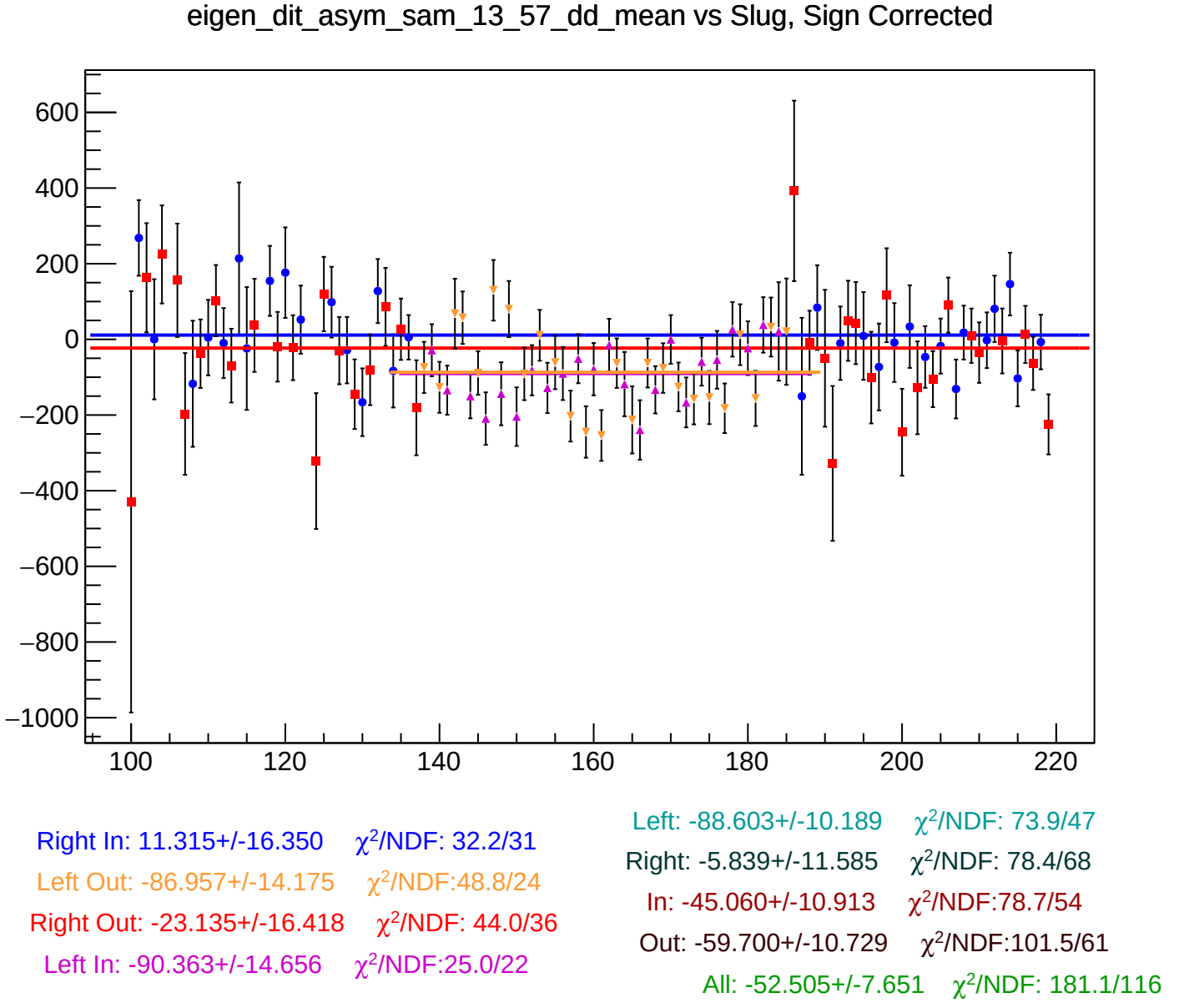
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

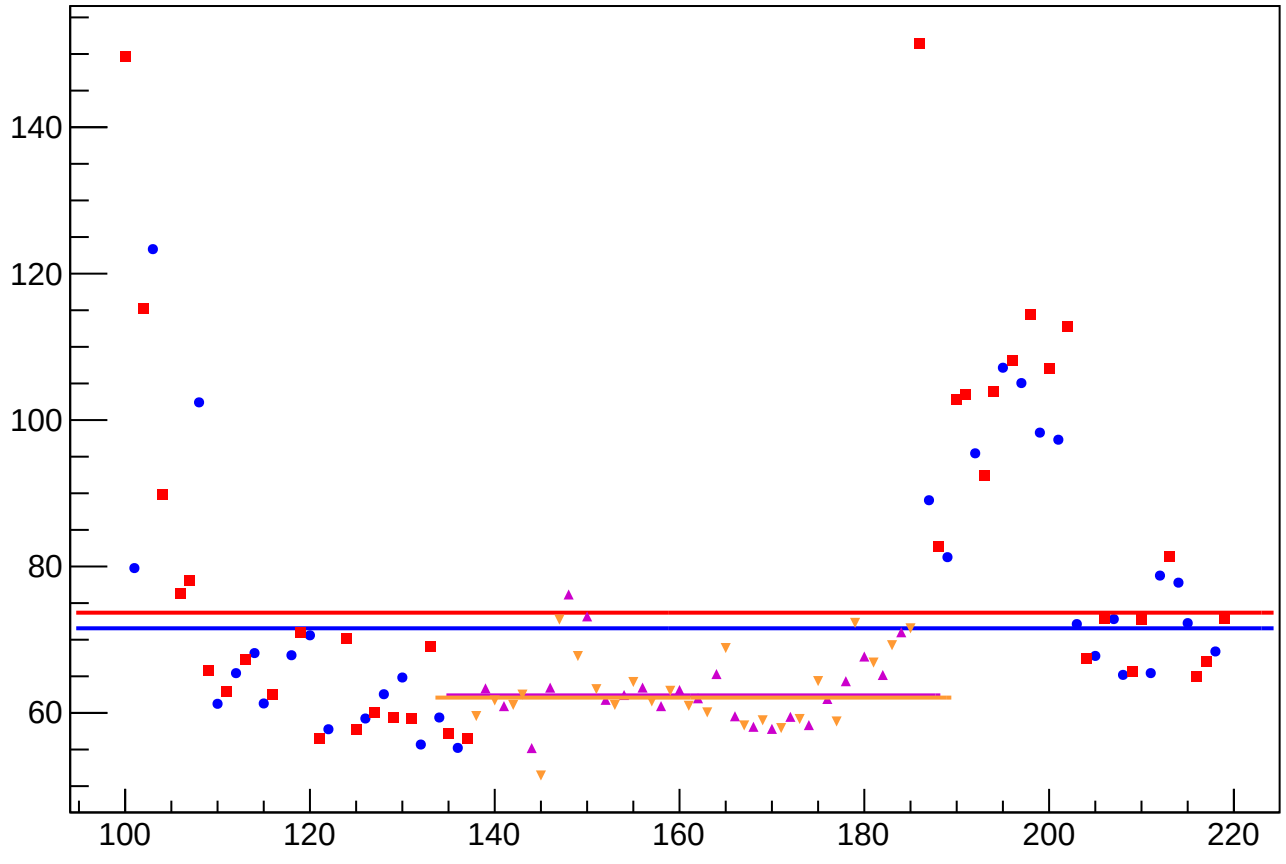
Right: 566.990+/-0.065 χ^2/NDF: 6054254.6/68

In: 403.781+/-0.048 χ^2/NDF:7057600.8/54

Out: 404.852+/-0.047 χ^2/NDF:8510559.4/61

All: 404.327+/-0.034 χ^2/NDF: 15568409.9/11


eigen_dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
220
Right In: 11.315+/-16.350 χ²/NDF: 32.2/31
Left Out: -86.957+/-14.175 χ²/NDF:48.8/24
Right Out: -23.135+/-16.418 χ²/NDF: 44.0/36
Left In: -90.363+/-14.656 χ²/NDF:25.0/22
Left: -88.603+/-10.189 χ²/NDF: 73.9/47
Right: -5.839+/-11.585 χ²/NDF: 78.4/68
In: -45.060+/-10.913 χ²/NDF:78.7/54
Out: -59.700+/-10.729 χ²/NDF:101.5/61
All: -52.505+/-7.651 χ²/NDF: 181.1/116



Right In: 71.559+/-0.012 χ^2/NDF: 1523997.7/31

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 73.692+/-0.012 χ^2/NDF: 2103619.3/36

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

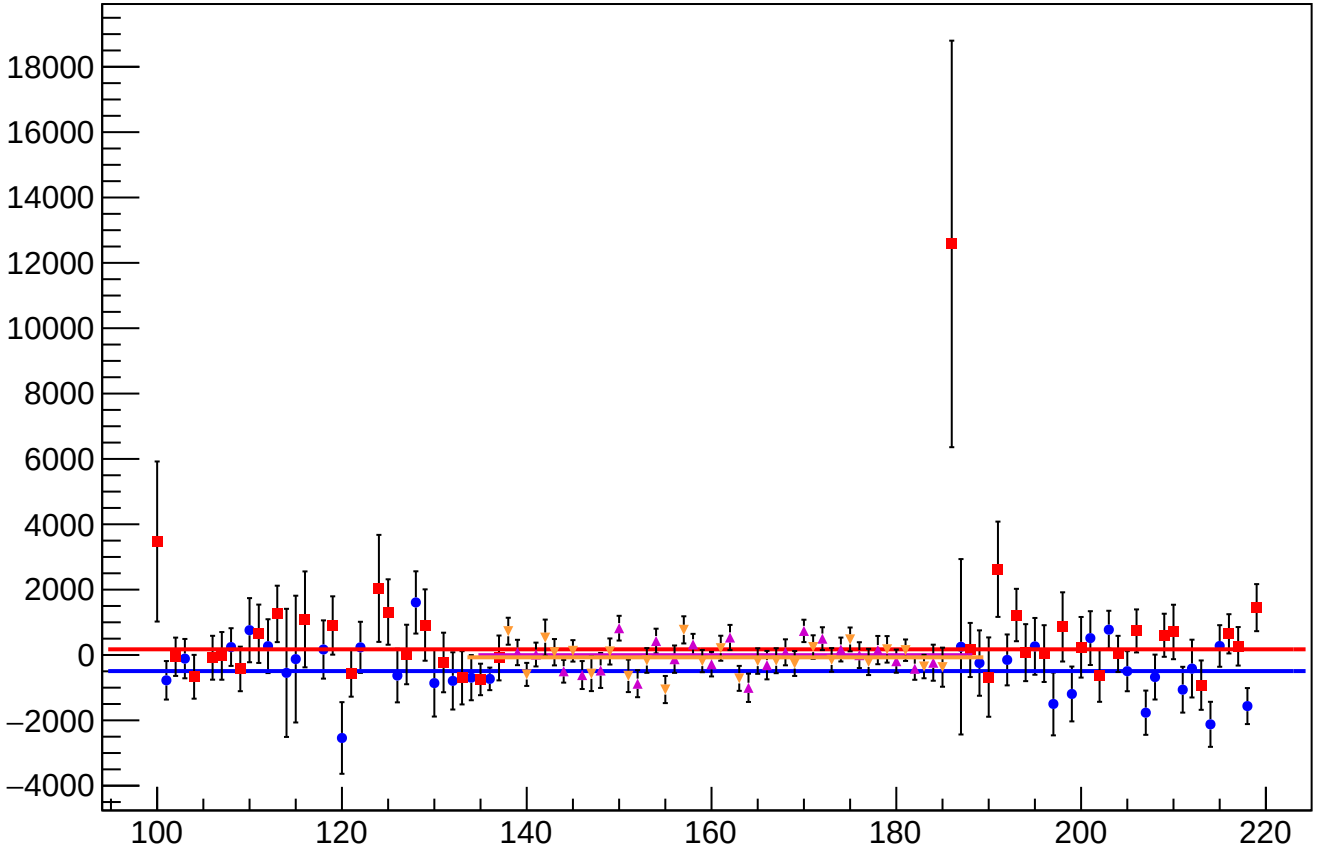
Right: 72.621+/-0.008 χ^2/NDF: 3644563.8/68

In: 66.478+/-0.008 χ^2/NDF:2061183.6/54

Out: 67.047+/-0.008 χ^2/NDF:2908884.4/61

All: 66.767+/-0.005 χ^2/NDF: 4972827.9/116

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -492.443+/-129.149 χ^2/NDF: 39.6/31

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 173.537+/-129.685 χ^2/NDF: 34.7/36

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

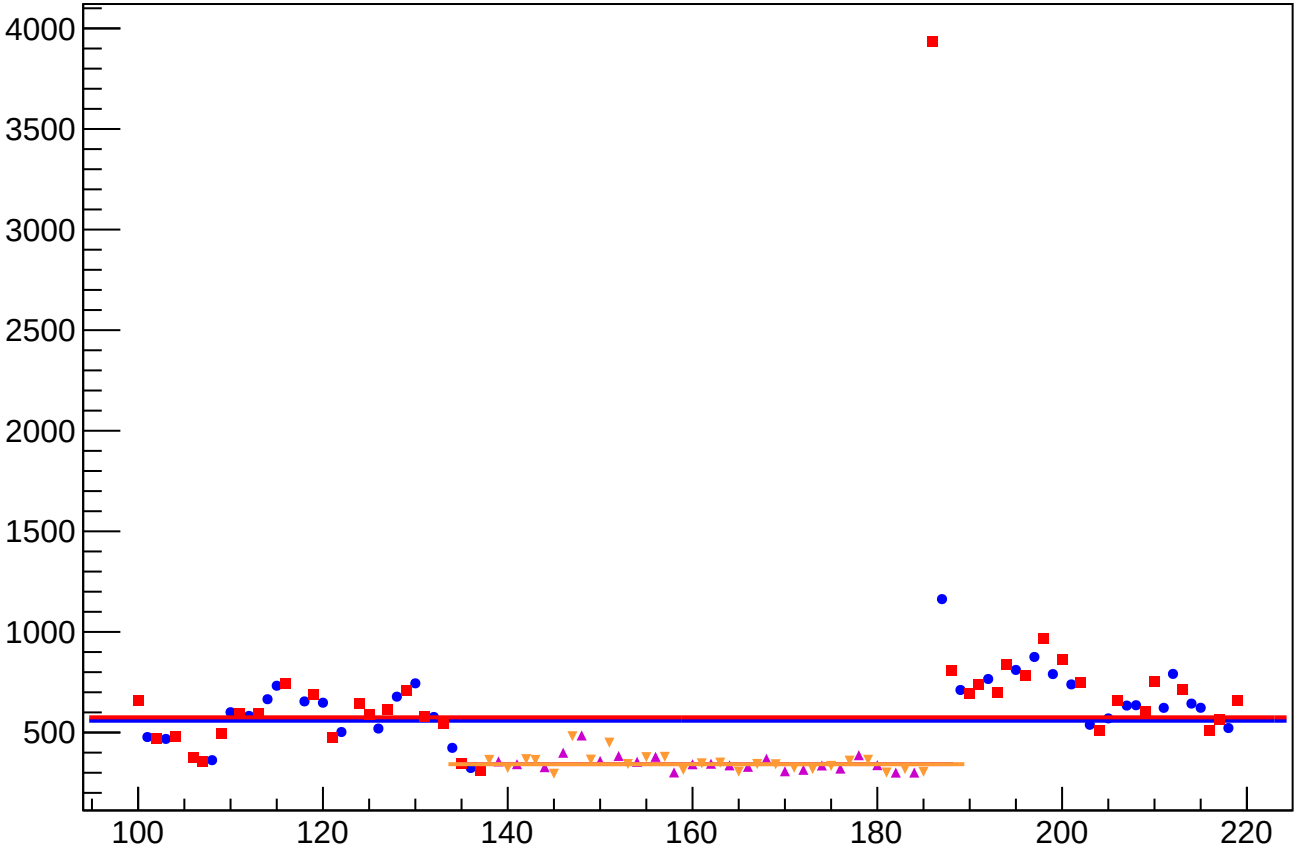
Right: -160.834+/-91.511 χ^2/NDF: 87.6/68

In: -142.840+/-68.474 χ^2/NDF:83.8/54

Out: -5.788+/-67.092 χ^2/NDF:65.9/61

All: -72.917+/-47.923 χ^2/NDF: 151.8/116

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 558.592+/-0.091 χ^2/NDF: 2687085.1/31

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 575.456+/-0.092 χ^2/NDF: 3350198.7/36

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

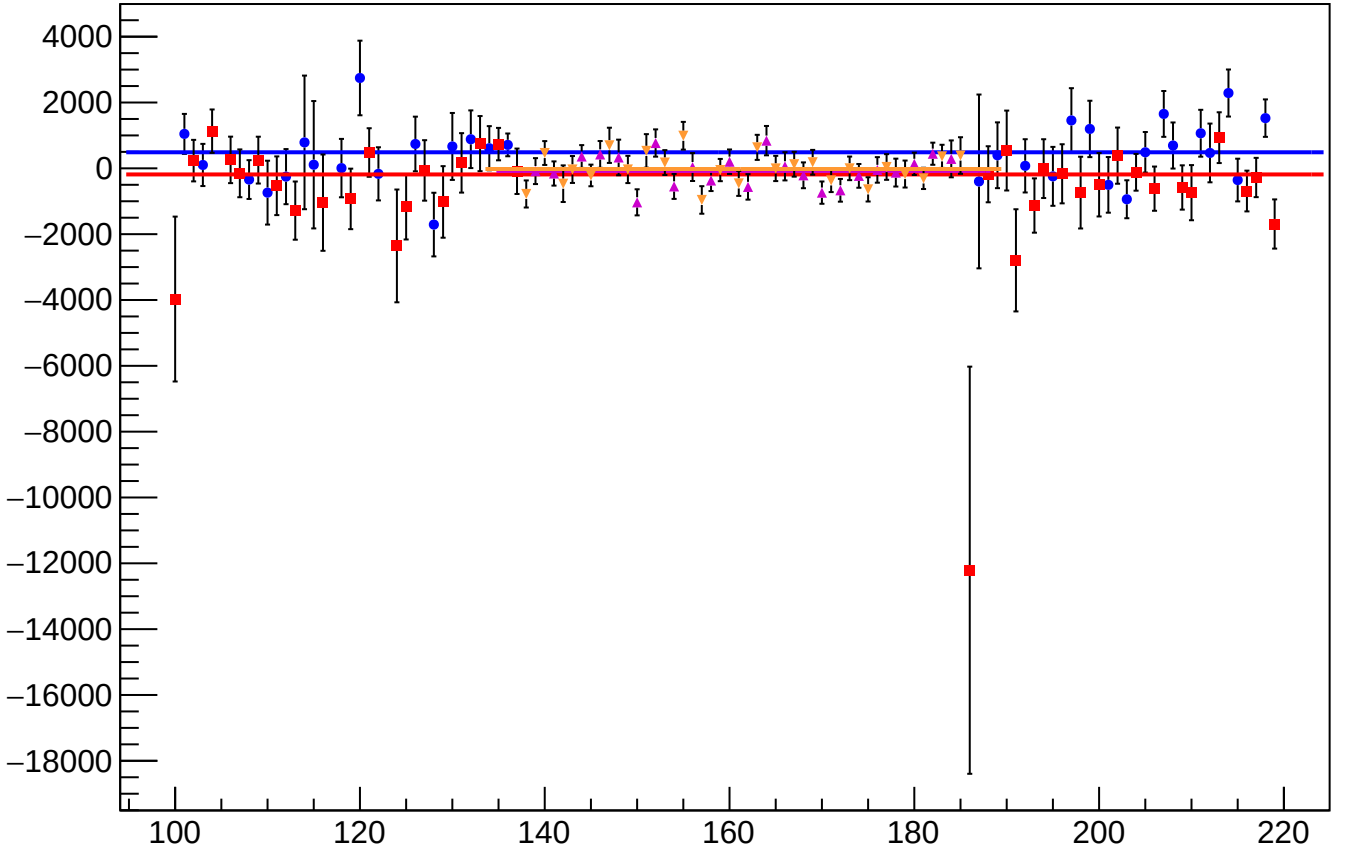
Right: 566.989+/-0.065 χ^2/NDF: 6054264.0/68

In: 403.781+/-0.048 χ^2/NDF:7057583.2/54

Out: 404.852+/-0.047 χ^2/NDF:8510546.2/61

All: 404.327+/-0.034 χ^2/NDF: 15568379.0/11

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 487.905+/-131.196 χ^2/NDF: 41.6/31

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -185.307+/-132.636 χ^2/NDF: 36.3/36

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

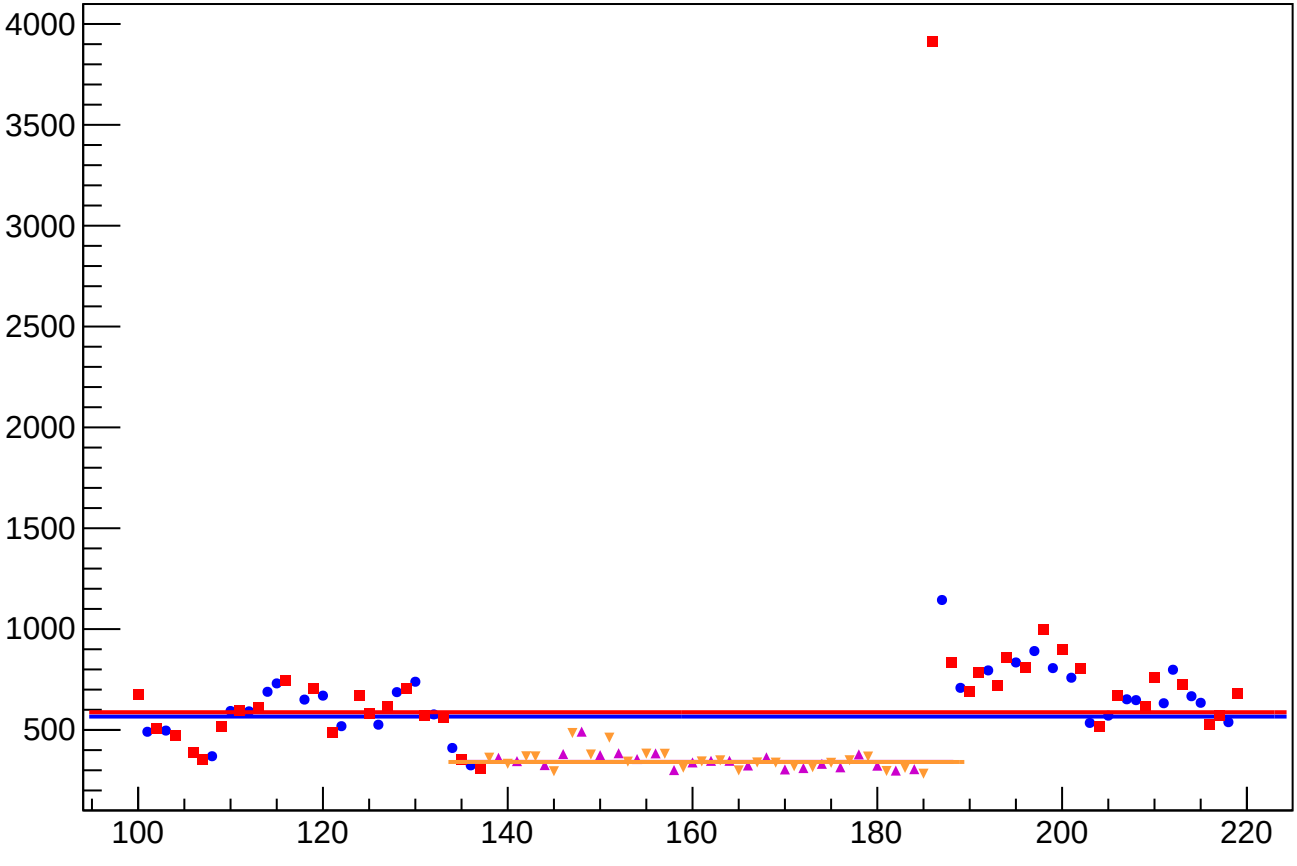
Right: 154.973+/-93.275 χ^2/NDF: 90.9/68

In: 76.008+/-68.558 χ^2/NDF:88.1/54

Out: -62.839+/-67.361 χ^2/NDF:68.9/61

All: 5.362+/-48.049 χ^2/NDF: 159.0/116

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 566.378+/-0.093 χ^2/NDF: 2763746.8/31

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 587.896+/-0.094 χ^2/NDF: 3421506.0/36

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

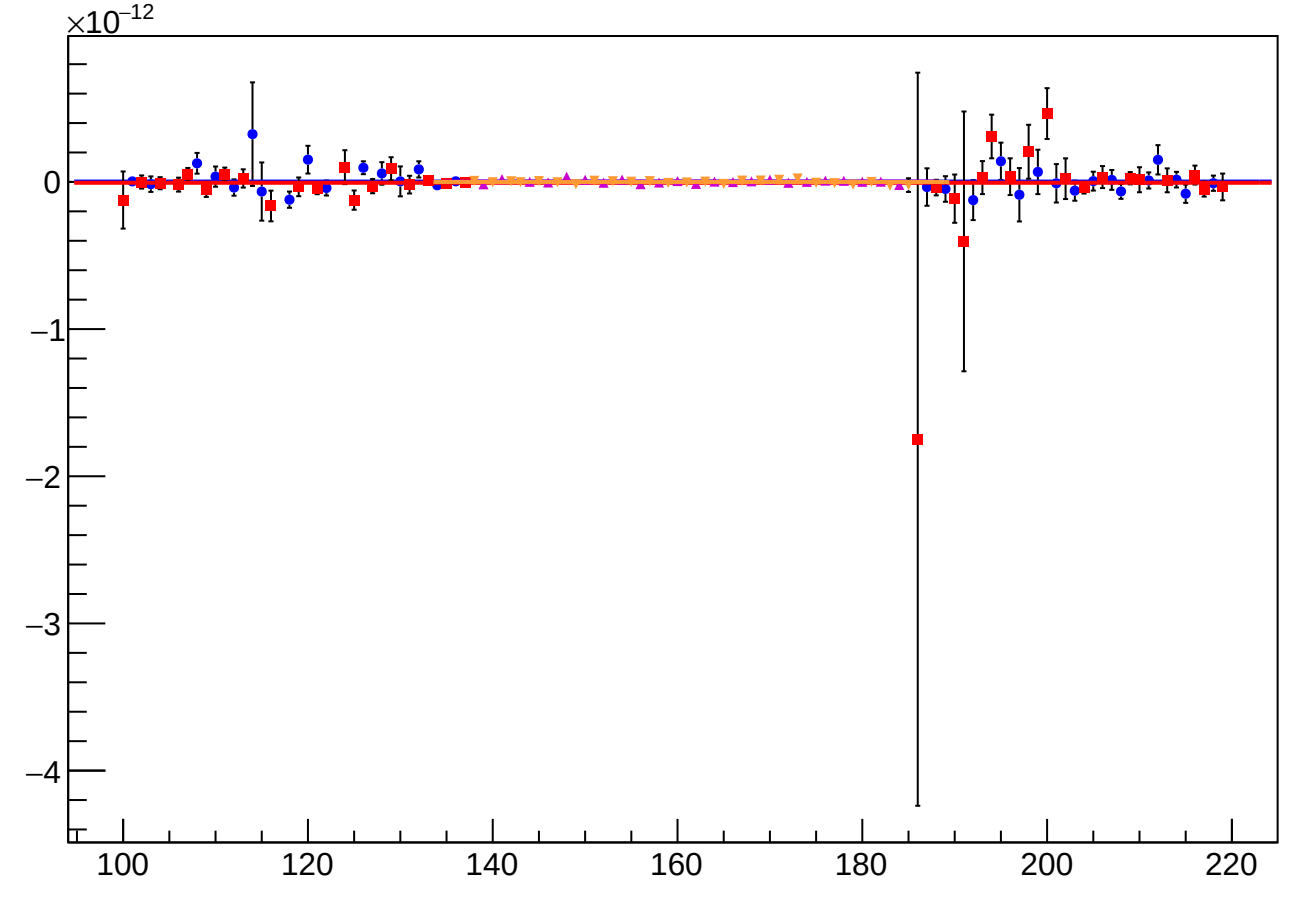
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 577.019+/-0.066 χ^2/NDF: 6211858.7/68

In: 402.996+/-0.048 χ^2/NDF:7427436.1/54

Out: 404.829+/-0.048 χ^2/NDF:9066646.7/61

All: 403.929+/-0.034 χ^2/NDF: 16494809.8/11



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/36

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

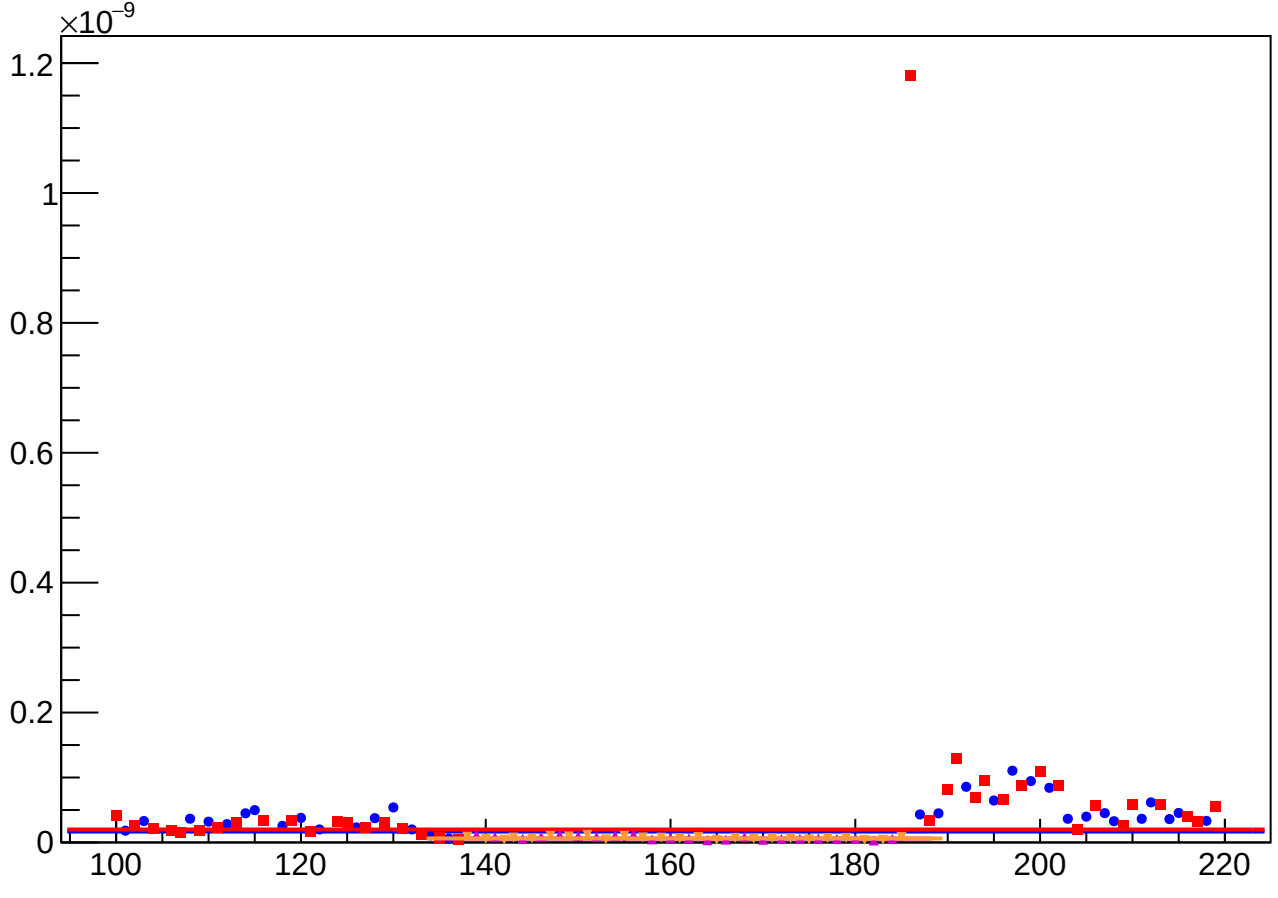
Right: -0.000+/-0.000 χ^2/NDF: 63.6/68

In: 0.000+/-0.000 χ^2/NDF:45.3/54

Out: -0.000+/-0.000 χ^2/NDF:51.7/61

All: 0.000+/-0.000 χ^2/NDF: 97.9/116

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8801139.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7830209.1/36

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

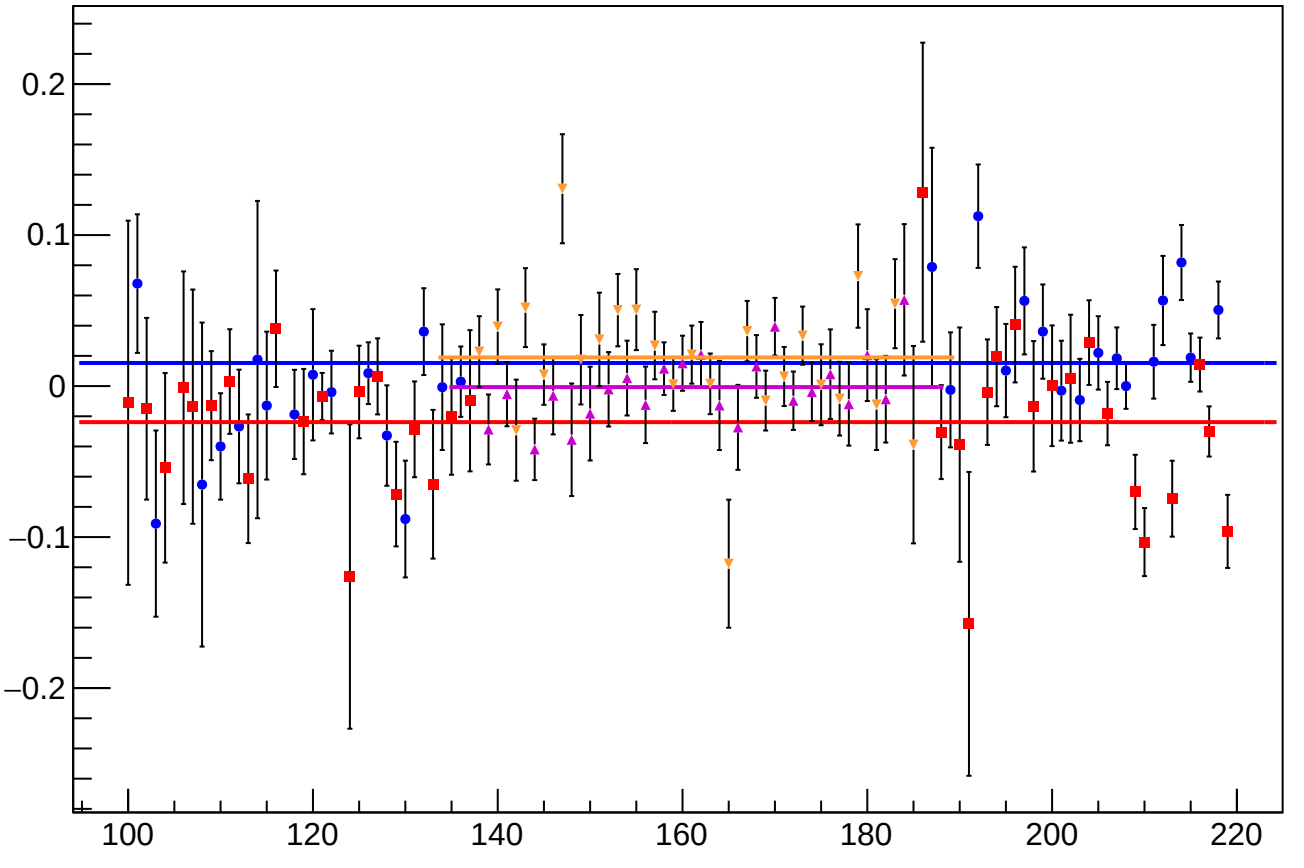
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16788667.7/68

In: 0.000+/-0.000 χ^2/NDF:14281079.6/54

Out: 0.000+/-0.000 χ^2/NDF:14128312.1/61

All: 0.000+/-0.000 χ^2/NDF: 28413164.9/116



Right In: 0.015+/-0.005 χ^2/NDF: 46.7/31

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.024+/-0.005 χ^2/NDF: 58.4/36

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

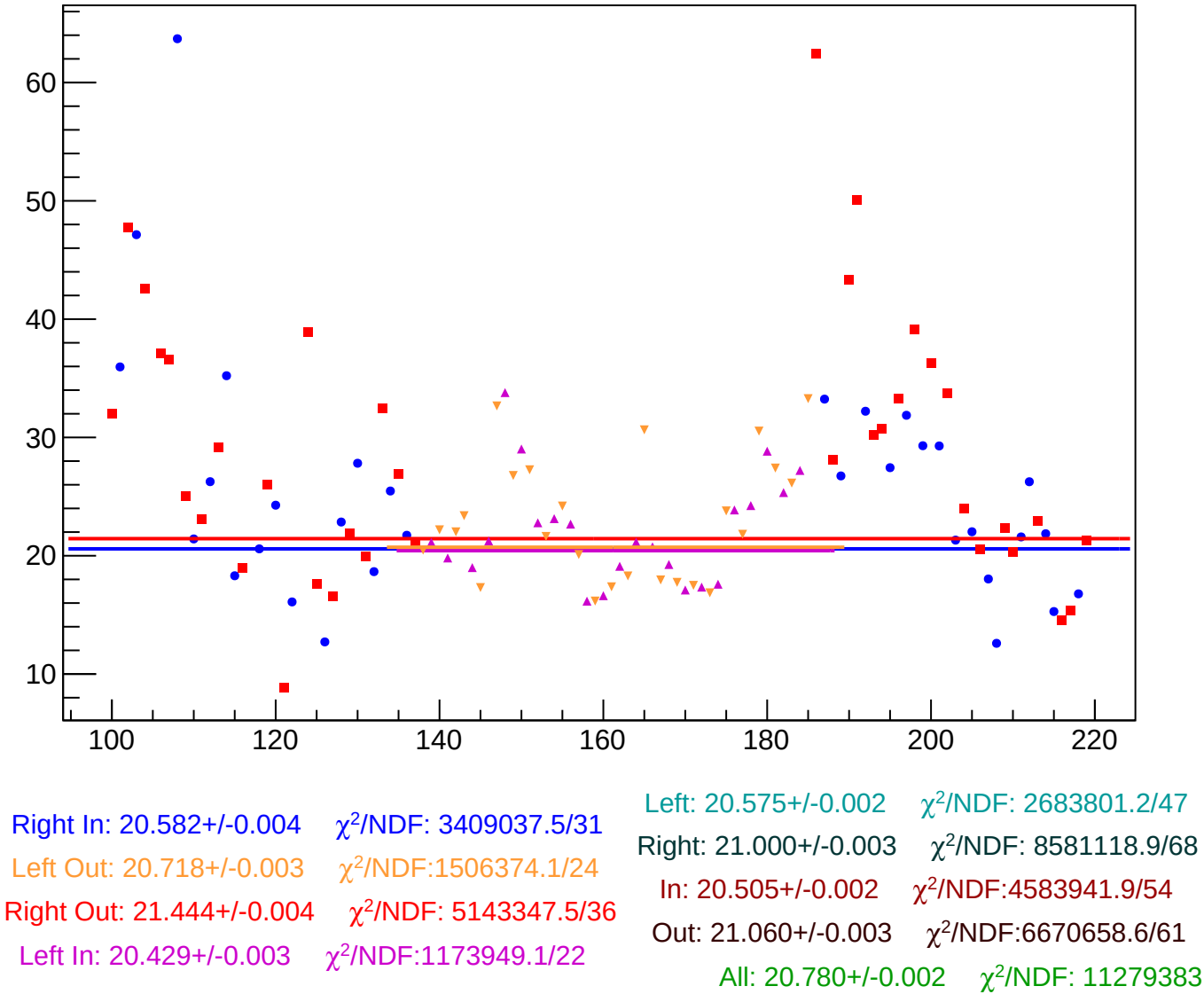
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

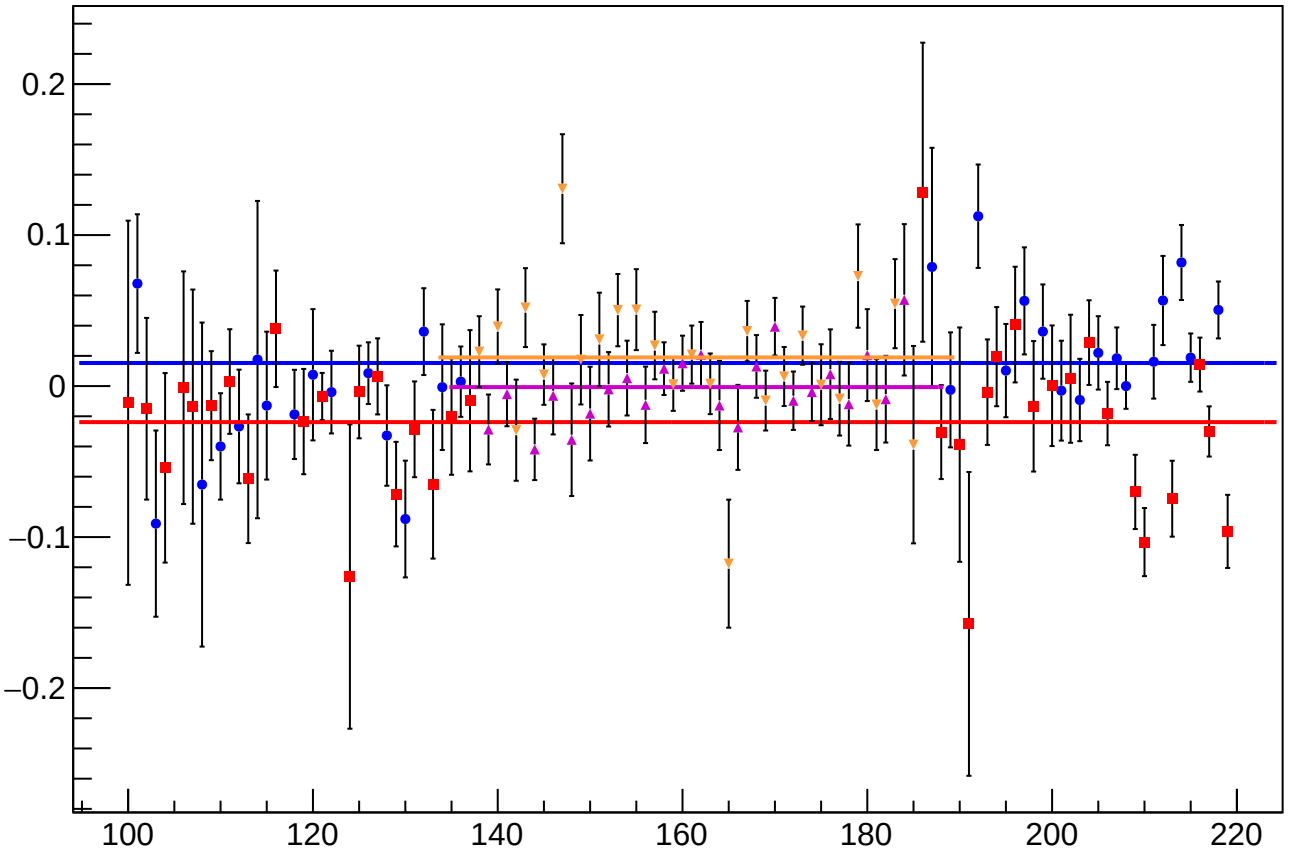
Right: -0.004+/-0.004 χ^2/NDF: 134.8/68

In: 0.007+/-0.004 χ^2/NDF:69.5/54

Out: -0.001+/-0.004 χ^2/NDF:136.1/61

All: 0.003+/-0.002 χ^2/NDF: 208.4/116


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
120
140
160
180
200
220
Right In: 20.582+/-0.004 χ²/NDF: 3409037.5/31
Left Out: 20.718+/-0.003 χ²/NDF:1506374.1/24
Right Out: 21.444+/-0.004 χ²/NDF: 5143347.5/36
Left In: 20.429+/-0.003 χ²/NDF:1173949.1/22
Left: 20.575+/-0.002 χ²/NDF: 2683801.2/47
Right: 21.000+/-0.003 χ²/NDF: 8581118.9/68
In: 20.505+/-0.002 χ²/NDF:4583941.9/54
Out: 21.060+/-0.003 χ²/NDF:6670658.6/61
All: 20.780+/-0.002 χ²/NDF: 11279383.0/116



Right In: 0.015+/-0.005 χ^2/NDF: 46.7/31

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.024+/-0.005 χ^2/NDF: 58.4/36

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

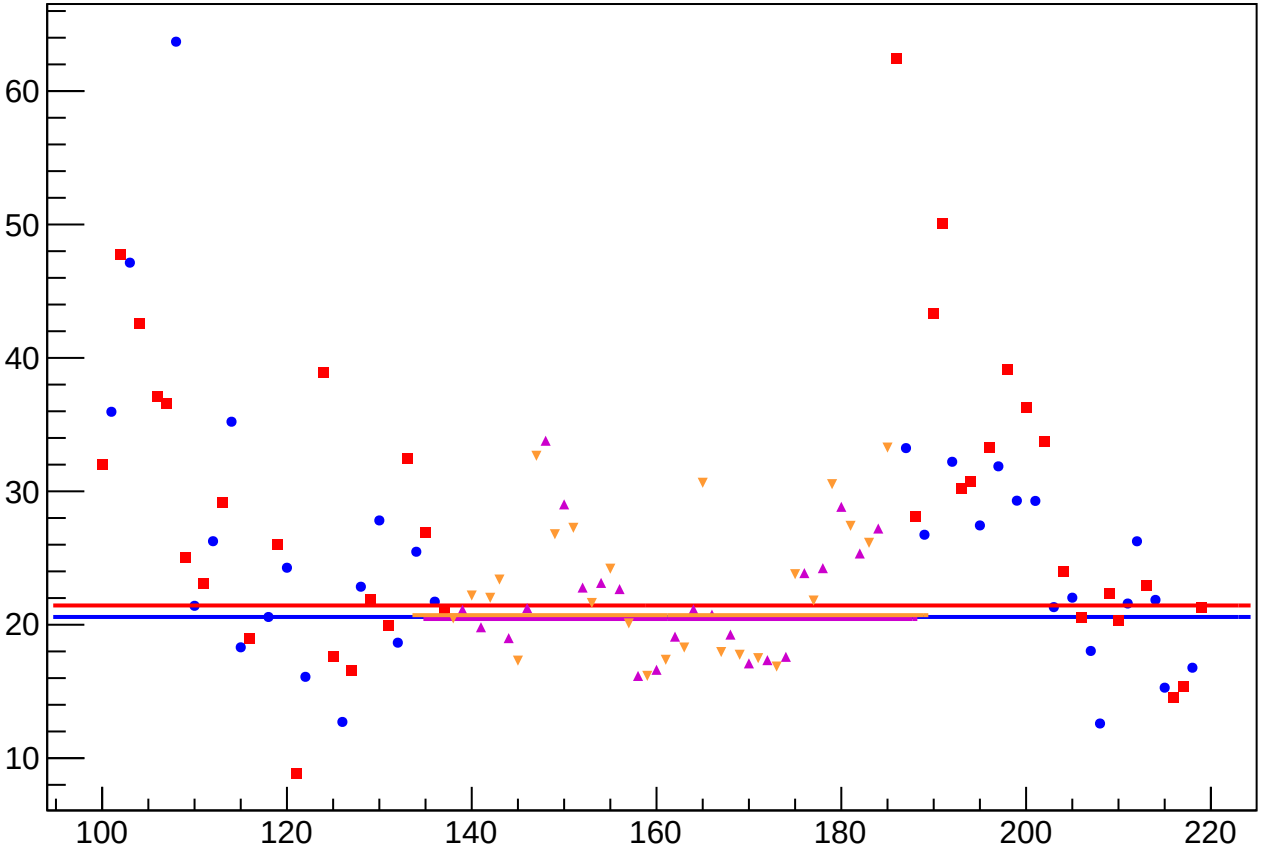
Right: -0.004+/-0.004 χ^2/NDF: 134.8/68

In: 0.007+/-0.004 χ^2/NDF:69.5/54

Out: -0.001+/-0.004 χ^2/NDF:136.1/61

All: 0.003+/-0.002 χ^2/NDF: 208.4/116

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.582+/-0.004 χ^2/NDF: 3409037.5/31

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 21.444+/-0.004 χ^2/NDF: 5143347.5/36

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

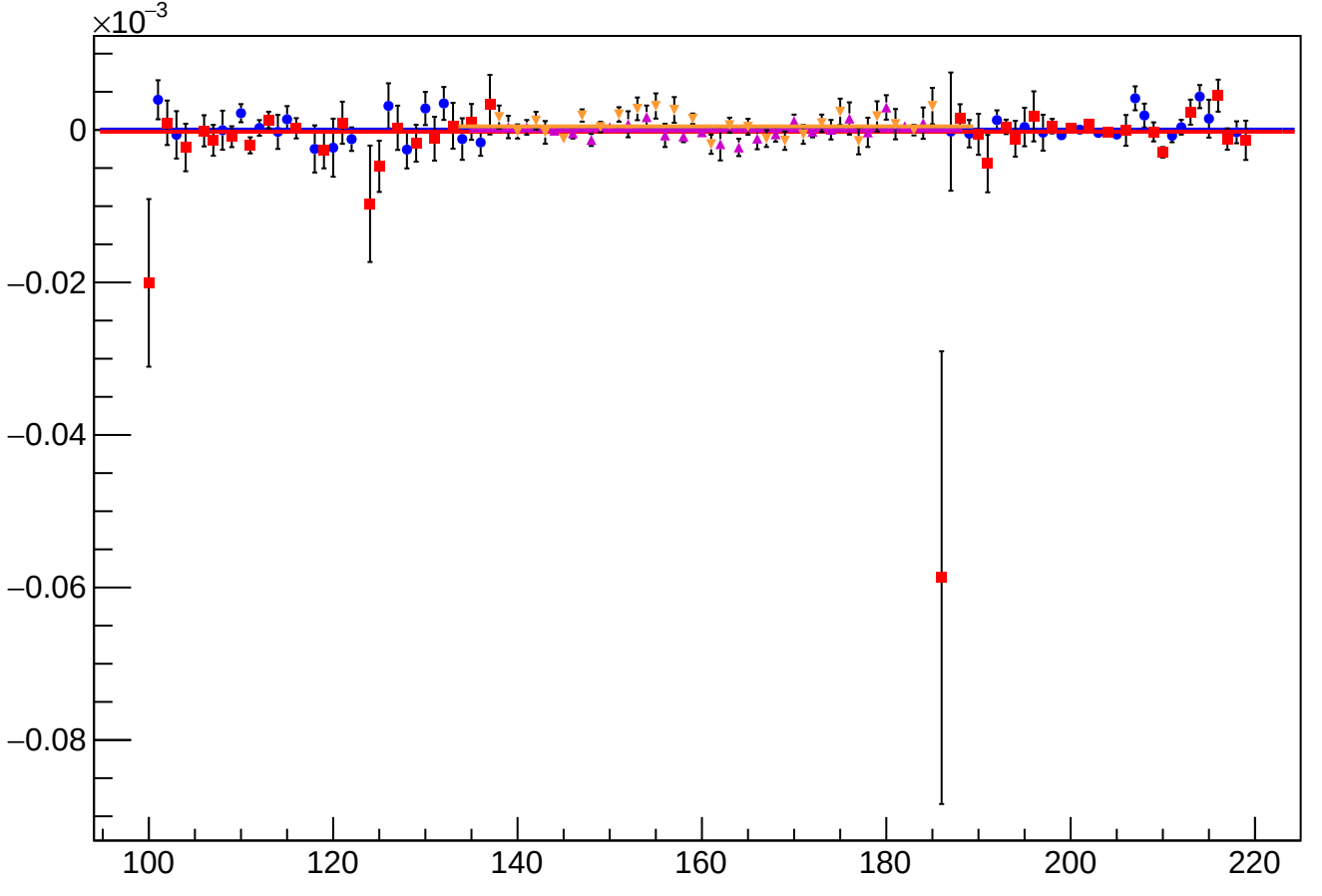
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 21.000+/-0.003 χ^2/NDF: 8581118.9/68

In: 20.505+/-0.002 χ^2/NDF:4583941.9/54

Out: 21.060+/-0.003 χ^2/NDF:6670658.6/61

All: 20.780+/-0.002 χ^2/NDF: 11279383.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 38.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 50.2/36

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

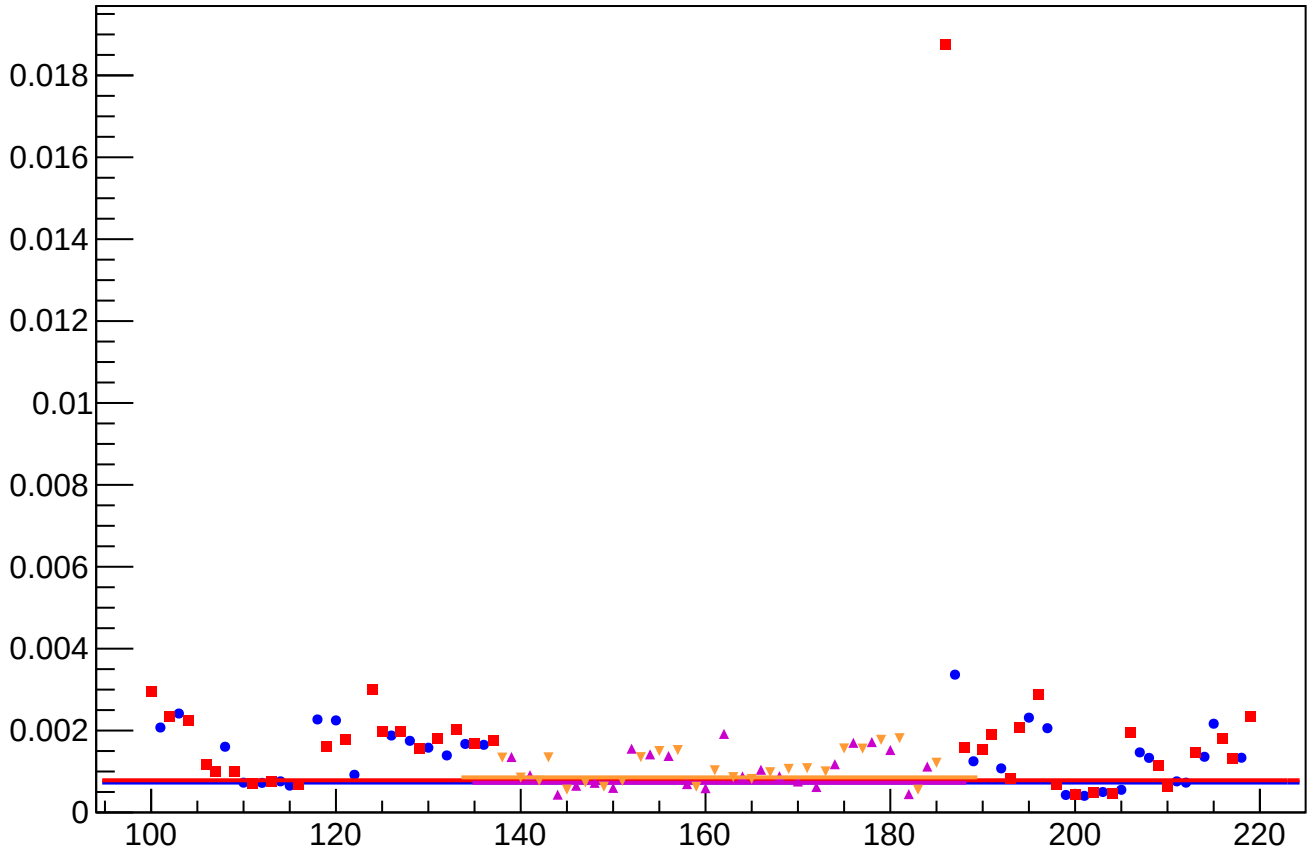
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: -0.000+/-0.000 χ^2/NDF: 89.7/68

In: -0.000+/-0.000 χ^2/NDF:58.3/54

Out: 0.000+/-0.000 χ^2/NDF:92.5/61

All: 0.000+/-0.000 χ^2/NDF: 151.2/116



Right In: 0.001+/-0.000 χ^2/NDF: 10615116.2/31

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11740080.9/36

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

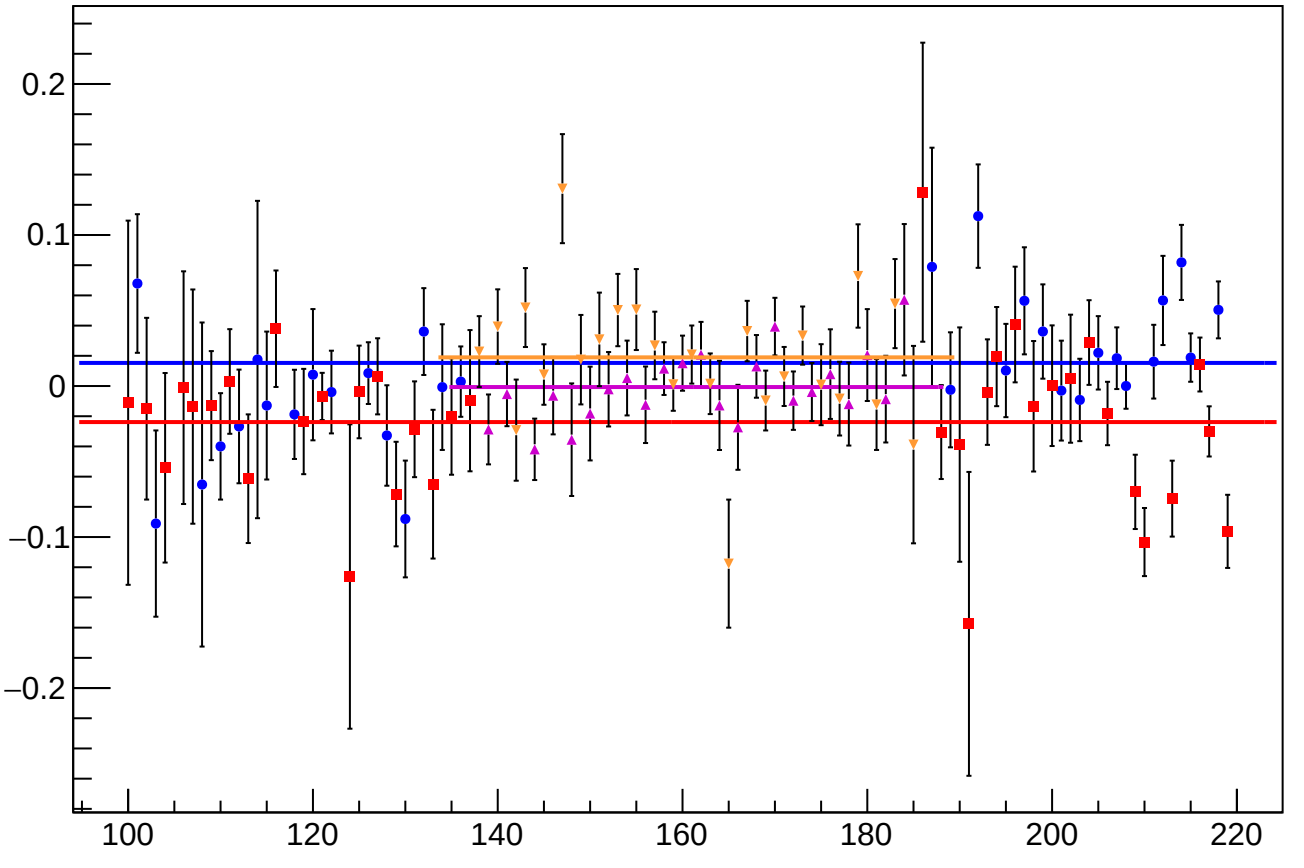
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 22430180.4/68

In: 0.001+/-0.000 χ^2/NDF:16420919.5/54

Out: 0.001+/-0.000 χ^2/NDF:16291940.0/61

All: 0.001+/-0.000 χ^2/NDF: 33137889.4/116



Right In: 0.015+/-0.005 χ^2/NDF: 46.7/31

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.024+/-0.005 χ^2/NDF: 58.4/36

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

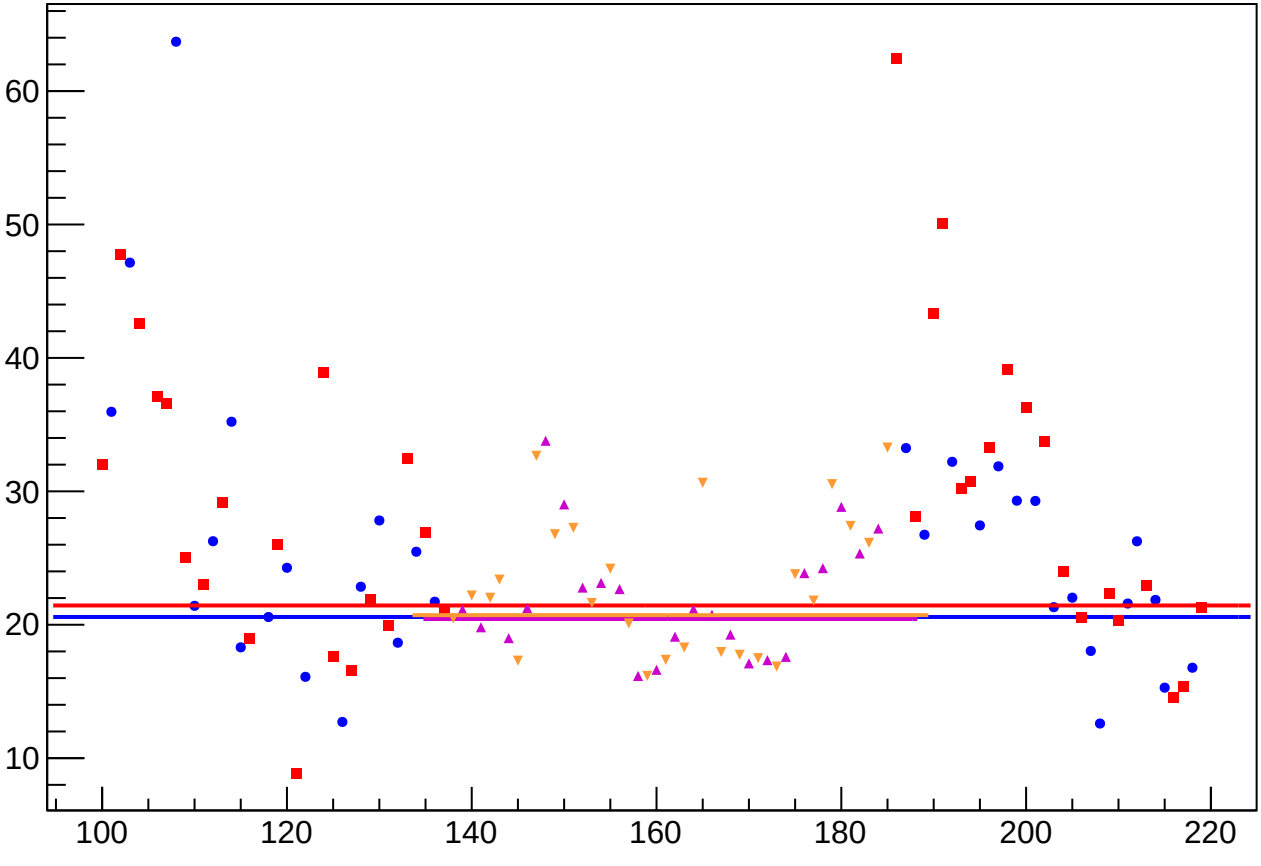
Right: -0.004+/-0.004 χ^2/NDF: 134.8/68

In: 0.007+/-0.004 χ^2/NDF:69.5/54

Out: -0.001+/-0.004 χ^2/NDF:136.1/61

All: 0.003+/-0.002 χ^2/NDF: 208.4/116

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.583+/-0.004 χ^2/NDF: 3408897.4/31

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 21.444+/-0.004 χ^2/NDF: 5142830.2/36

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

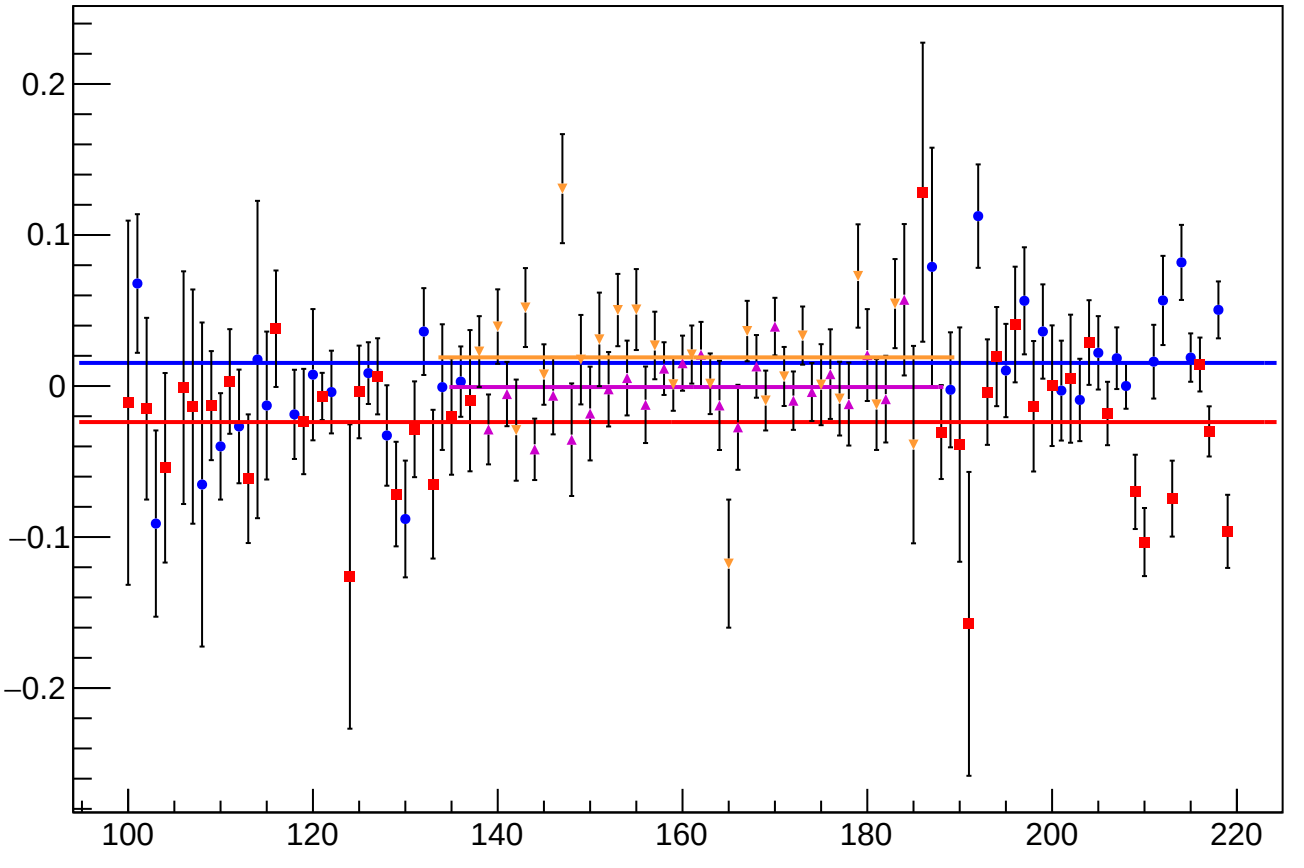
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 21.000+/-0.003 χ^2/NDF: 8580468.9/68

In: 20.505+/-0.002 χ^2/NDF:4583851.0/54

Out: 21.060+/-0.003 χ^2/NDF:6670268.3/61

All: 20.780+/-0.002 χ^2/NDF: 11278902.1/116



Right In: 0.015+/-0.005 χ^2/NDF: 46.7/31

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.024+/-0.005 χ^2/NDF: 58.4/36

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

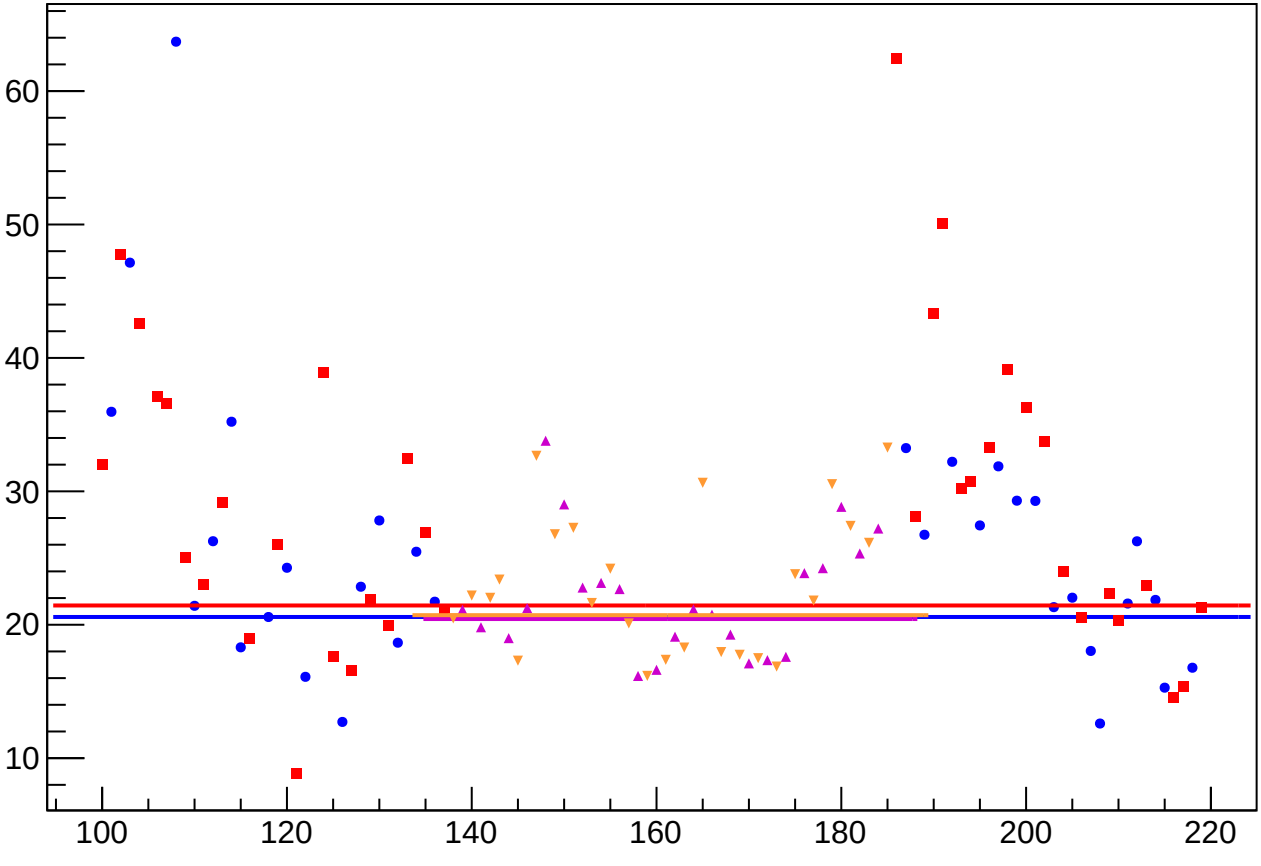
Right: -0.004+/-0.004 χ^2/NDF: 134.8/68

In: 0.007+/-0.004 χ^2/NDF:69.5/54

Out: -0.001+/-0.004 χ^2/NDF:136.1/61

All: 0.003+/-0.002 χ^2/NDF: 208.4/116

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.583+/-0.004 χ^2/NDF: 3408897.4/31

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 21.444+/-0.004 χ^2/NDF: 5142830.2/36

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

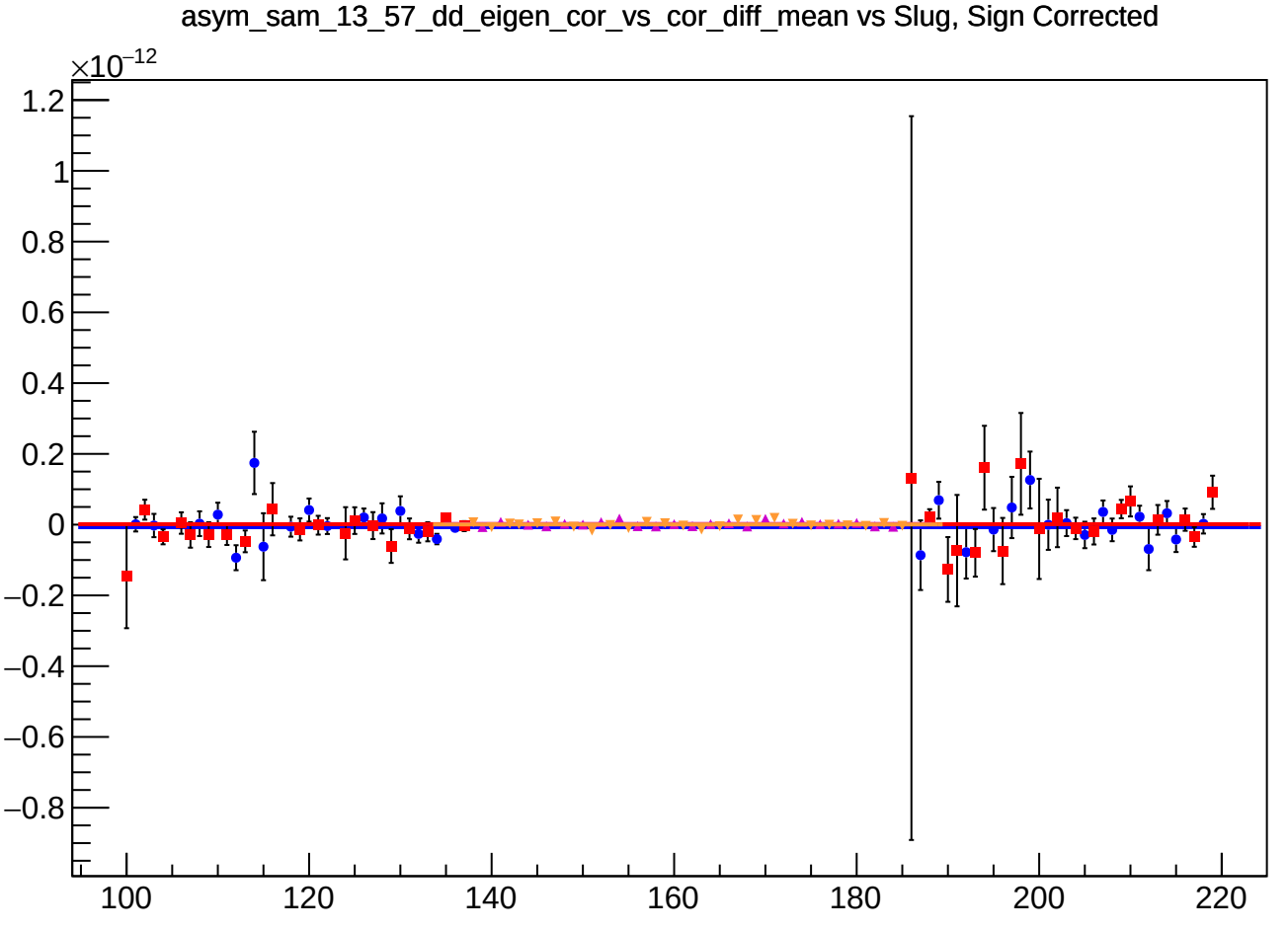
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 21.000+/-0.003 χ^2/NDF: 8580468.9/68

In: 20.505+/-0.002 χ^2/NDF:4583851.0/54

Out: 21.060+/-0.003 χ^2/NDF:6670268.3/61

All: 20.780+/-0.002 χ^2/NDF: 11278902.1/116



Right In: -0.000+/-0.000 χ^2/NDF: 36.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.7/36

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

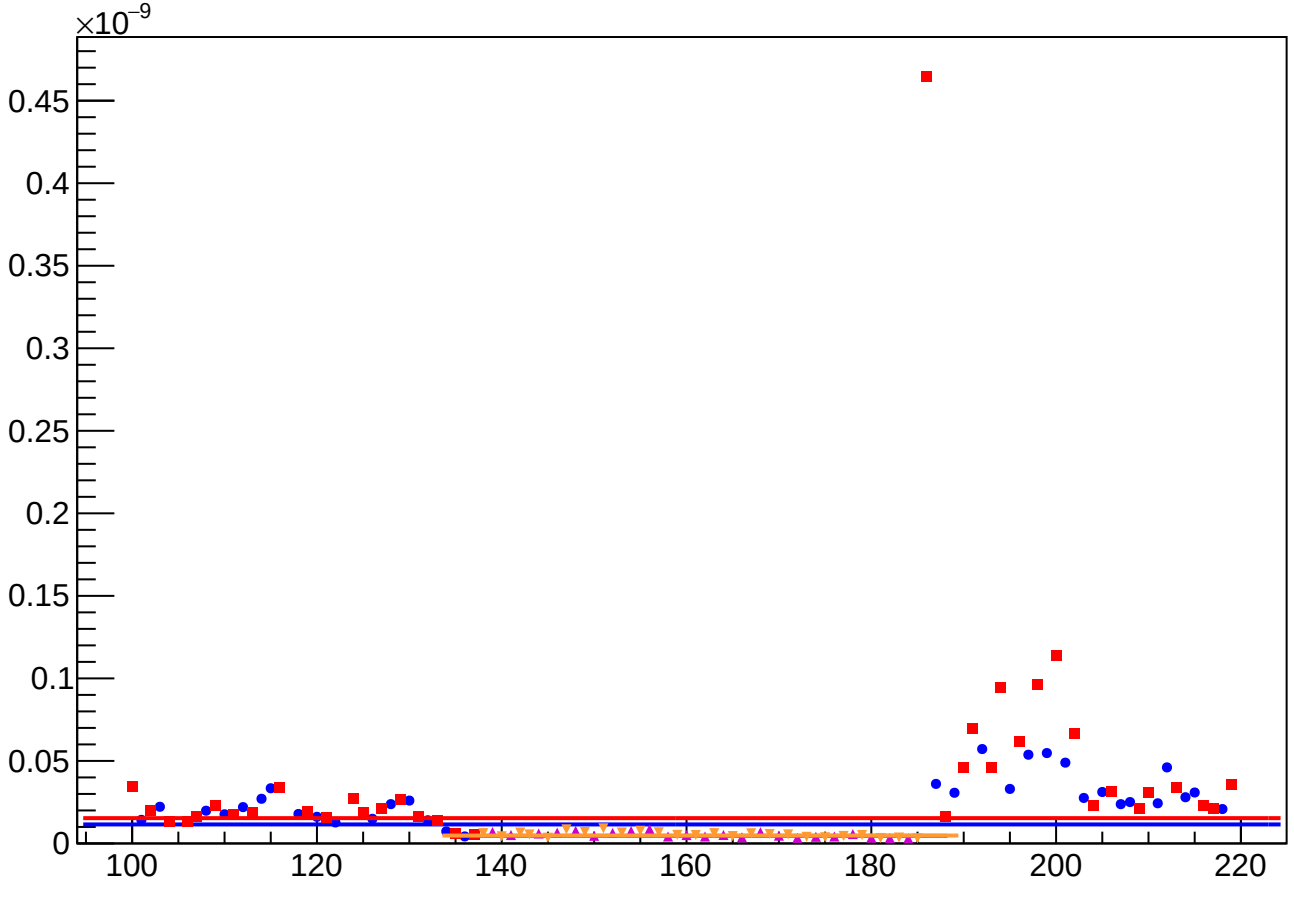
Right: -0.000+/-0.000 χ^2/NDF: 74.7/68

In: 0.000+/-0.000 χ^2/NDF:61.0/54

Out: 0.000+/-0.000 χ^2/NDF:65.7/61

All: 0.000+/-0.000 χ^2/NDF: 126.7/116

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11630614.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10320674.9/36

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

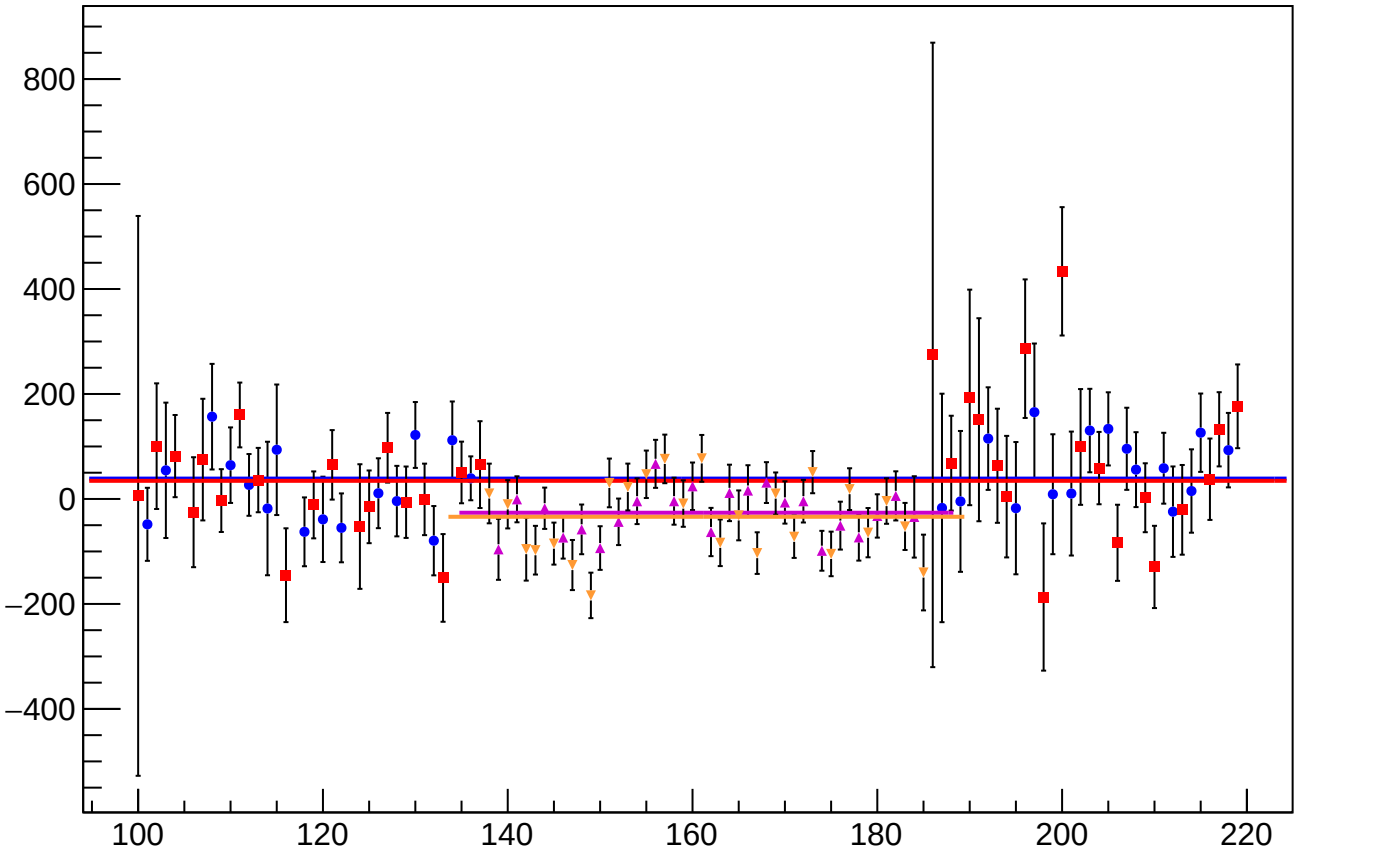
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 22652575.5/68

In: 0.000+/-0.000 χ^2/NDF:18603114.4/54

Out: 0.000+/-0.000 χ^2/NDF:20915998.3/61

All: 0.000+/-0.000 χ^2/NDF: 39552499.8/116



Right In: 38.791+/-13.681 χ^2/NDF: 23.9/31

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: 34.568+/-13.639 χ^2/NDF: 49.6/36

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

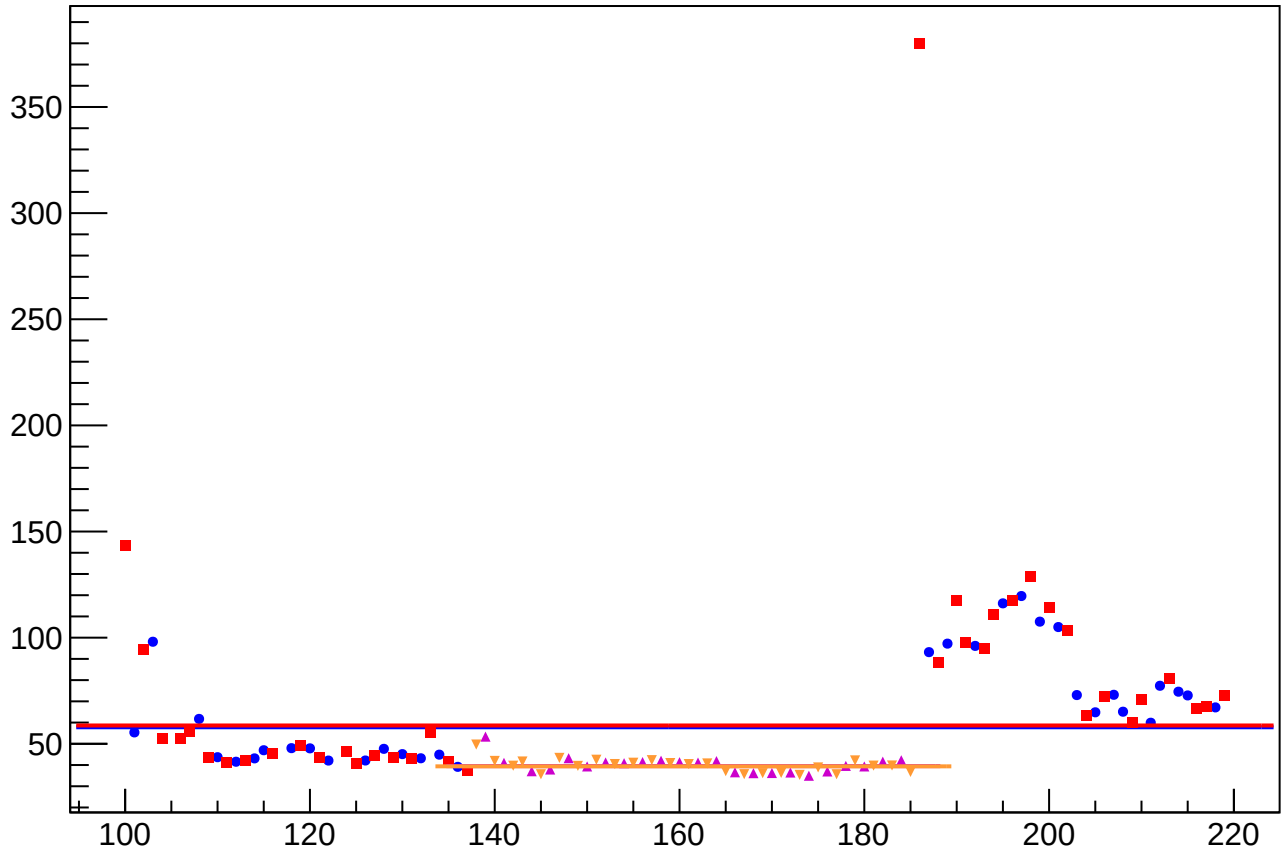
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 36.673+/-9.659 χ^2/NDF: 73.5/68

In: -5.792+/-7.675 χ^2/NDF:61.8/54

Out: -13.191+/-7.508 χ^2/NDF:125.9/61

All: -9.573+/-5.367 χ^2/NDF: 188.2/116



Right In: 57.794+/-0.010 χ^2/NDF: 4064243.4/31

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 58.632+/-0.010 χ^2/NDF: 5322235.3/36

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

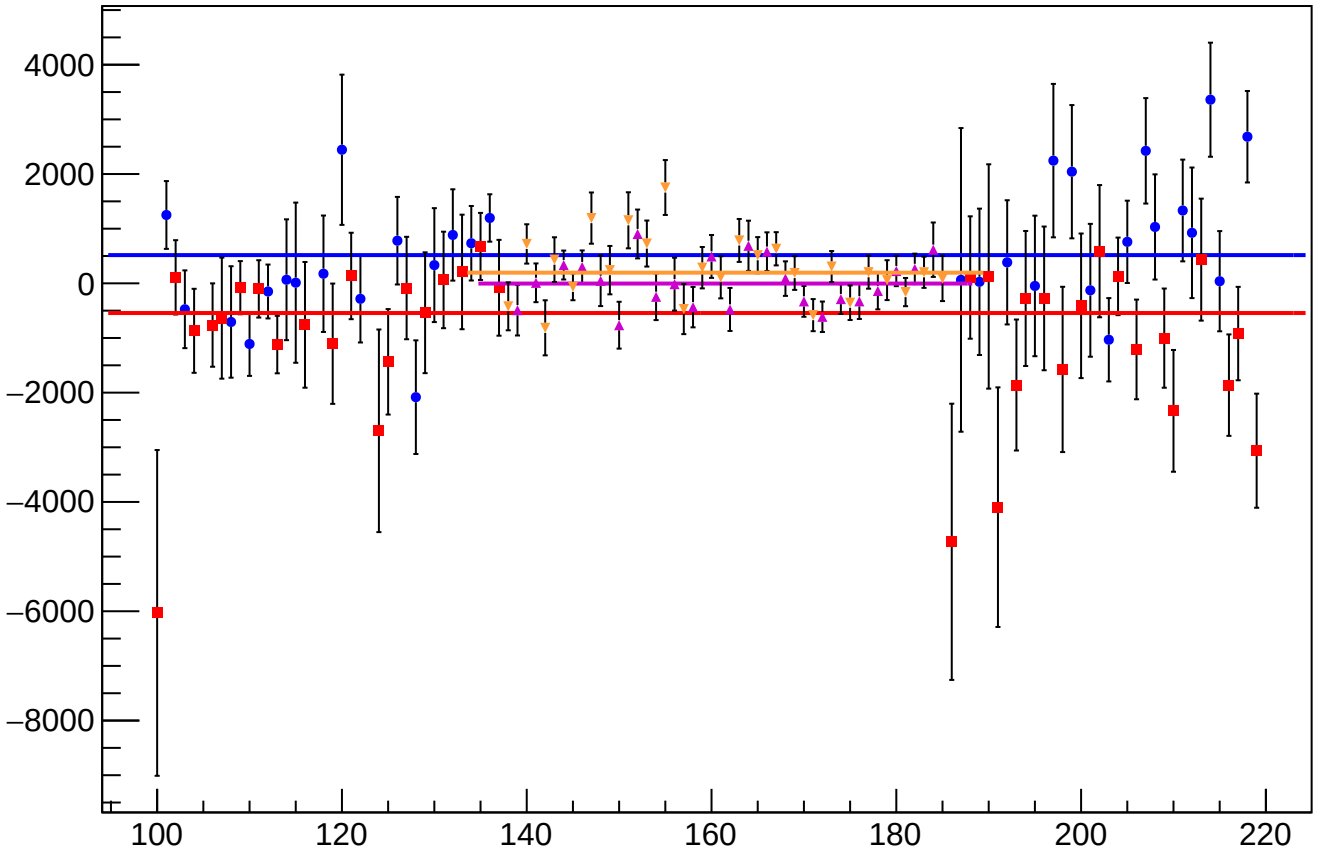
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 58.214+/-0.007 χ^2/NDF: 9390245.5/68

In: 45.251+/-0.005 χ^2/NDF:6768990.8/54

Out: 45.216+/-0.005 χ^2/NDF:8327608.3/61

All: 45.233+/-0.004 χ^2/NDF: 15096620.7/116



Right In: 516.612+/-150.578 χ^2/NDF: 54.3/31

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -543.055+/-148.885 χ^2/NDF: 37.6/36

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

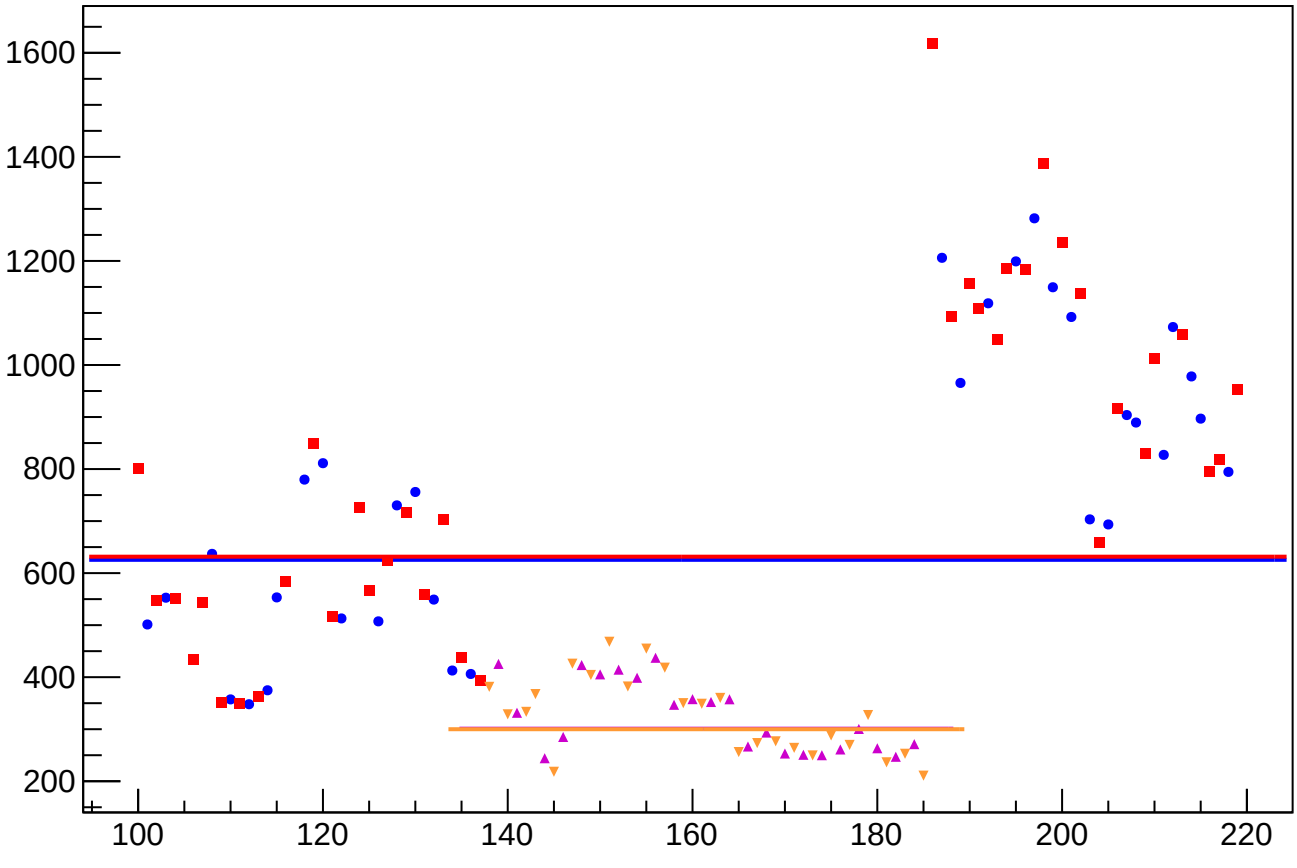
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -19.212+/-105.871 χ^2/NDF: 117.0/68

In: 92.826+/-64.942 χ^2/NDF:96.4/54

Out: 61.120+/-63.416 χ^2/NDF:106.3/61

All: 76.596+/-45.372 χ^2/NDF: 202.9/116



Right In: 625.547+/-0.106 χ^2/NDF: 5507418.0/31

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 631.584+/-0.105 χ^2/NDF: 6788872.5/36

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

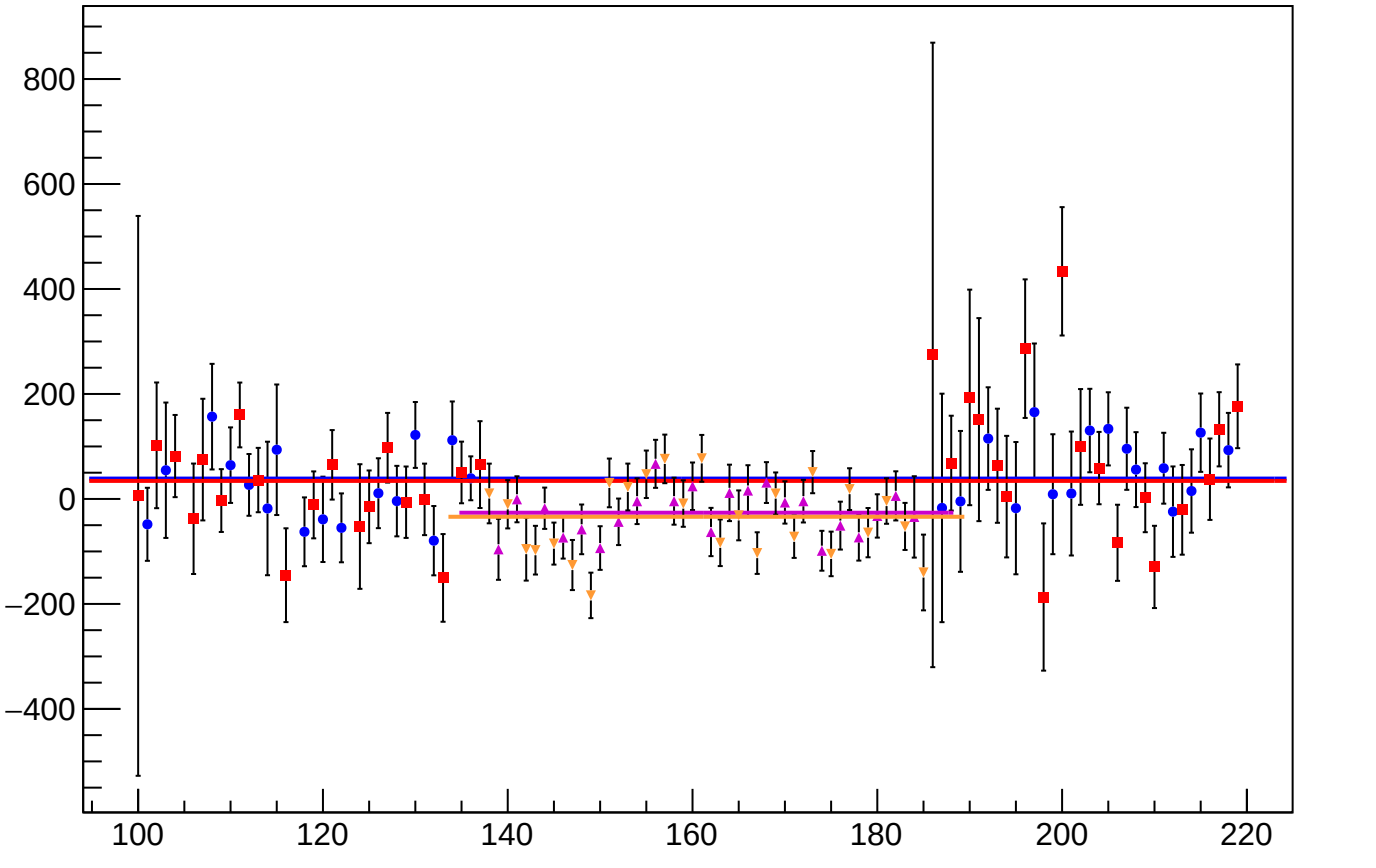
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 628.599+/-0.075 χ^2/NDF: 12297915.9/68

In: 361.368+/-0.046 χ^2/NDF:14477439.0/54

Out: 360.139+/-0.045 χ^2/NDF:16718804.5/61

All: 360.739+/-0.032 χ^2/NDF: 31196610.3/11


cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
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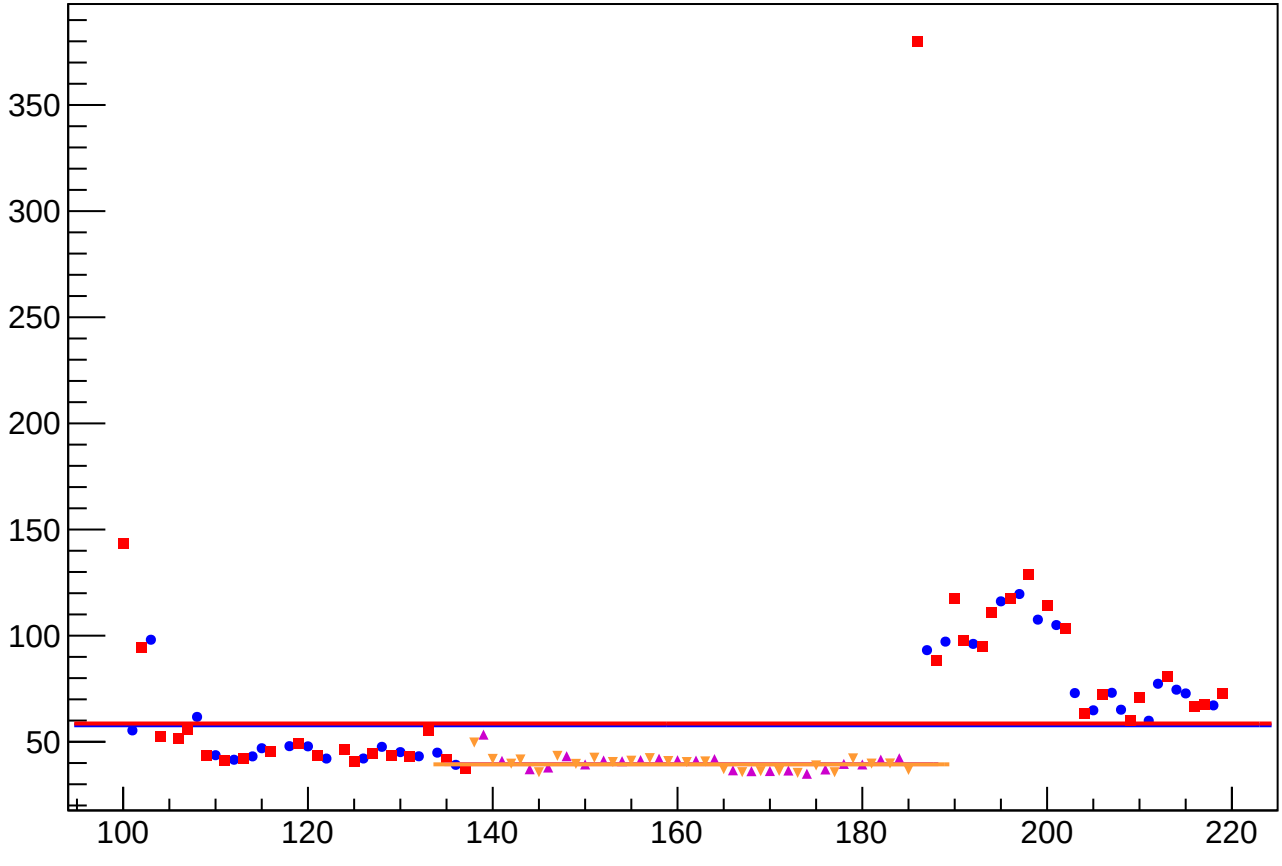
0
−200
−400
100
120
140
160
180
200
220
Right In: 38.795+/-13.681 χ²/NDF: 23.9/31
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 34.386+/-13.640 χ²/NDF: 49.7/36
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 36.584+/-9.660 χ²/NDF: 73.6/68
In: -5.791+/-7.675 χ²/NDF:61.8/54
Out: -13.248+/-7.508 χ²/NDF:125.9/61
All: -9.601+/-5.367 χ²/NDF: 188.3/116

cor_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 57.794+/-0.010 χ^2/NDF: 4064246.5/31

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 58.619+/-0.010 χ^2/NDF: 5324327.0/36

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

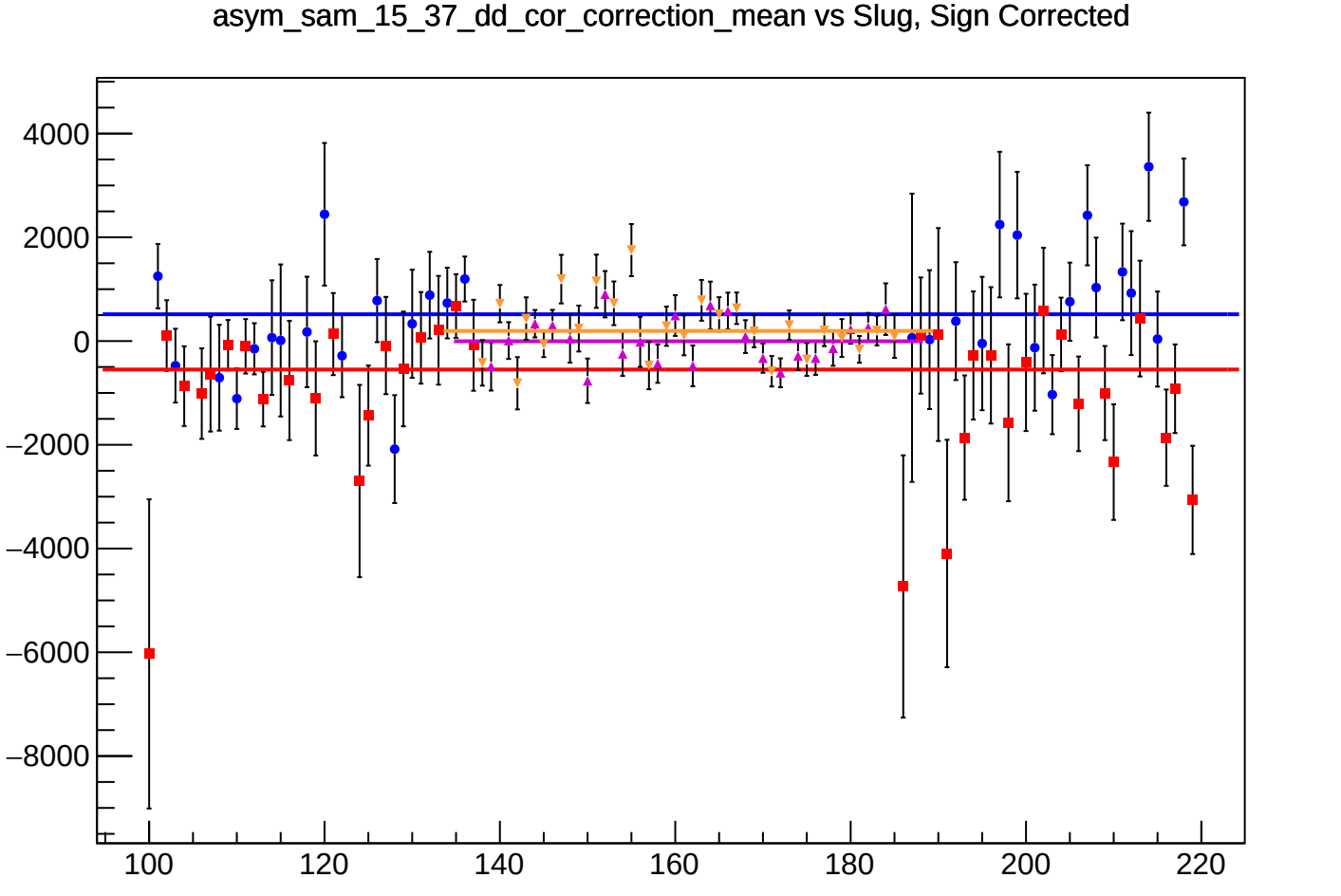
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 58.208+/-0.007 χ^2/NDF: 9392226.6/68

In: 45.251+/-0.005 χ^2/NDF:6768993.7/54

Out: 45.211+/-0.005 χ^2/NDF:8325723.4/61

All: 45.231+/-0.004 χ^2/NDF: 15094744.6/116



Right In: 516.617+/-150.578 χ^2/NDF: 54.3/31

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -548.571+/-149.566 χ^2/NDF: 37.8/36

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

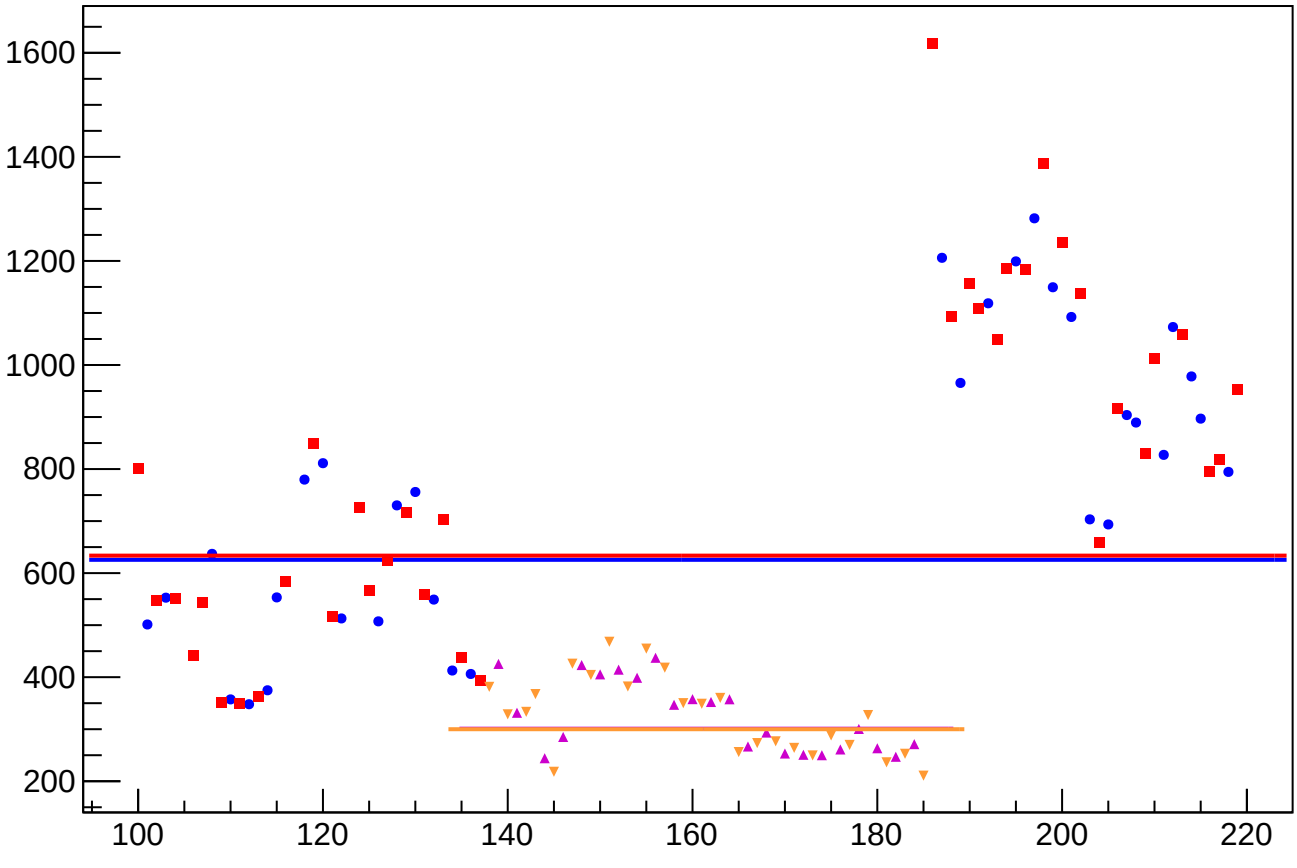
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -19.572+/-106.115 χ^2/NDF: 117.3/68

In: 92.827+/-64.942 χ^2/NDF:96.4/54

Out: 61.123+/-63.469 χ^2/NDF:106.7/61

All: 76.611+/-45.391 χ^2/NDF: 203.2/116



Right In: 625.549+/-0.106 χ^2/NDF: 5507393.7/31

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 633.619+/-0.106 χ^2/NDF: 6749042.6/36

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

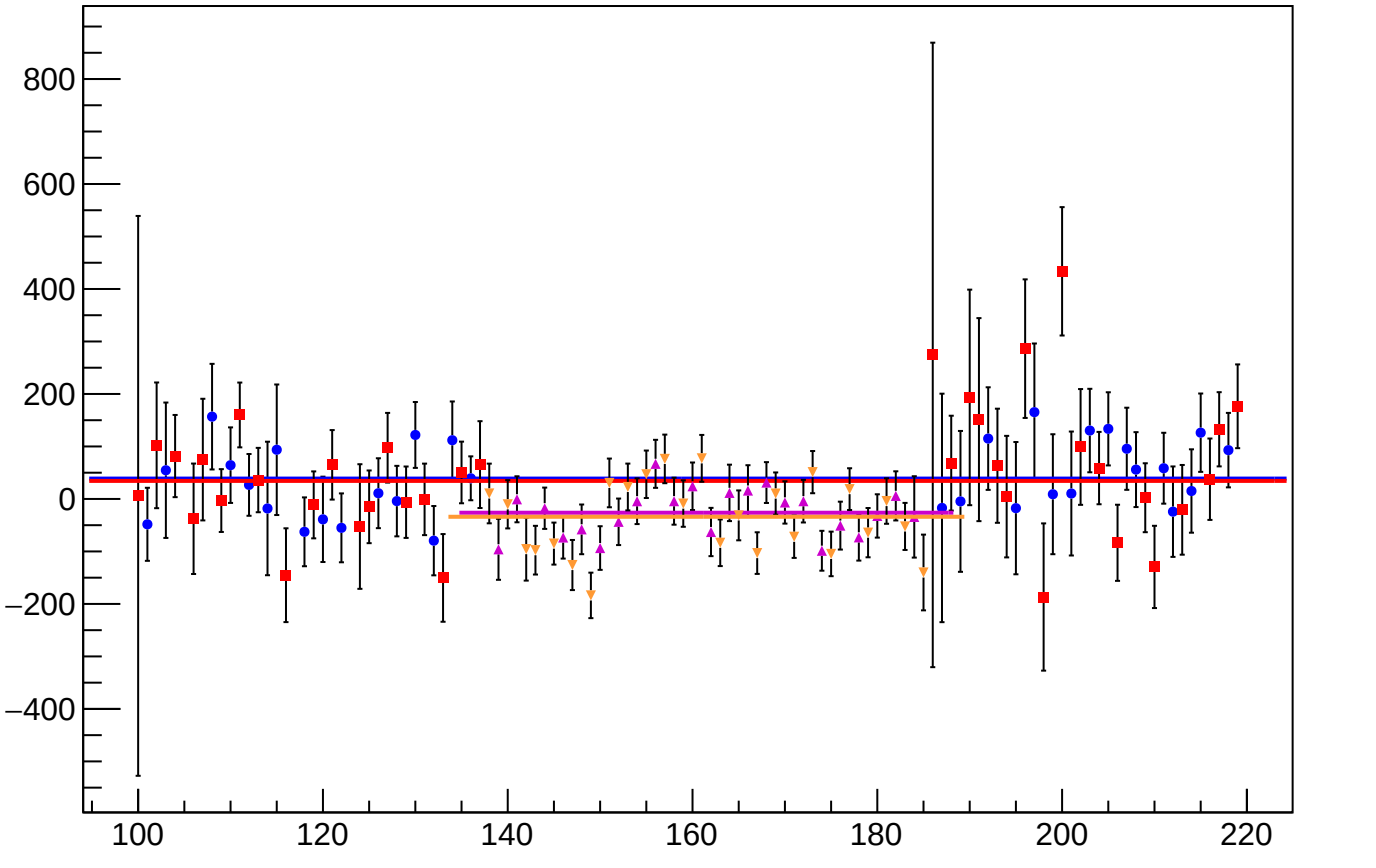
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 629.611+/-0.075 χ^2/NDF: 12259327.5/68

In: 361.368+/-0.046 χ^2/NDF:14477499.6/54

Out: 360.058+/-0.045 χ^2/NDF:16717735.3/61

All: 360.698+/-0.032 χ^2/NDF: 31195651.5/11


eigen_cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
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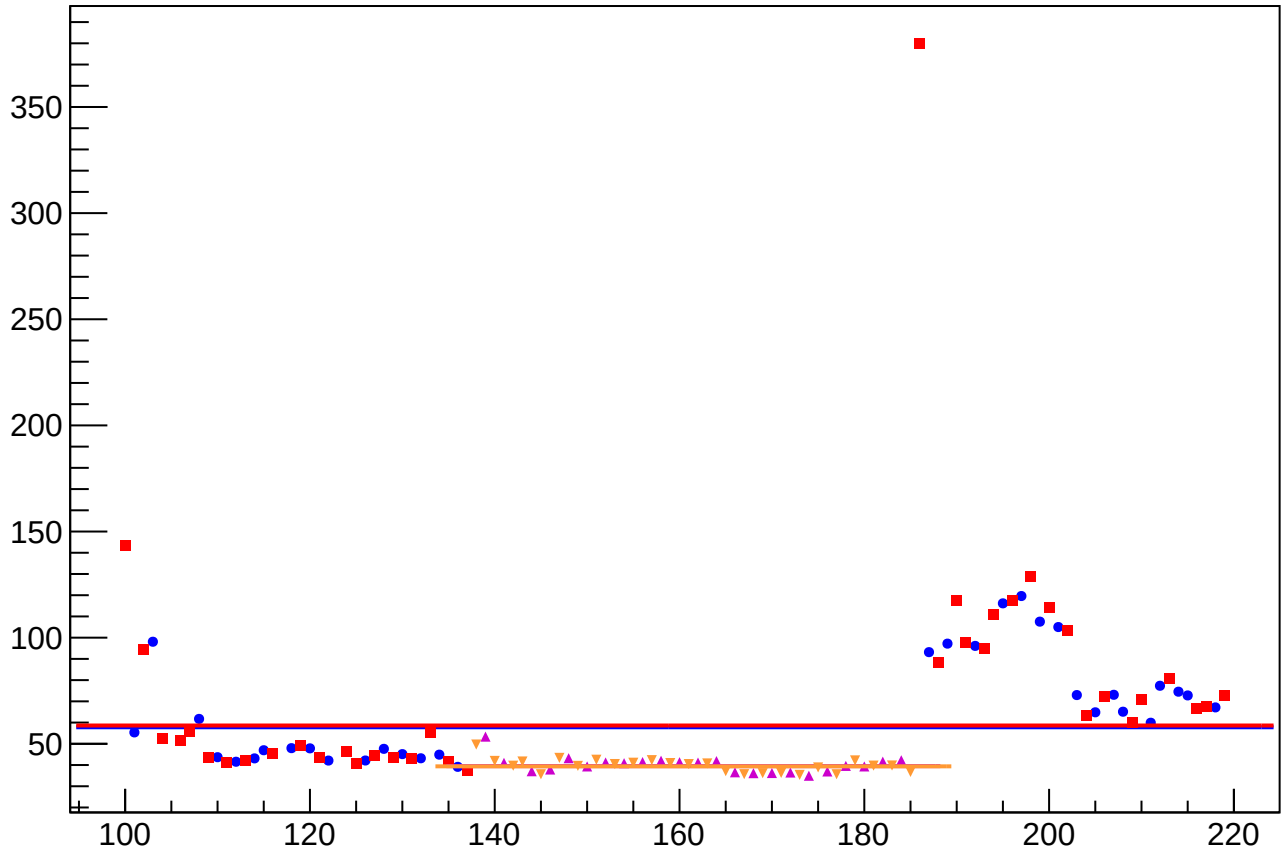
Right In: 38.795+/-13.681 χ²/NDF: 23.9/31
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 34.386+/-13.640 χ²/NDF: 49.7/36
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 36.584+/-9.660 χ²/NDF: 73.6/68
In: -5.791+/-7.675 χ²/NDF:61.8/54
Out: -13.248+/-7.508 χ²/NDF:125.9/61
All: -9.601+/-5.367 χ²/NDF: 188.3/116



Right In: 57.794+/-0.010 χ^2/NDF: 4064246.5/31

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 58.619+/-0.010 χ^2/NDF: 5324327.0/36

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

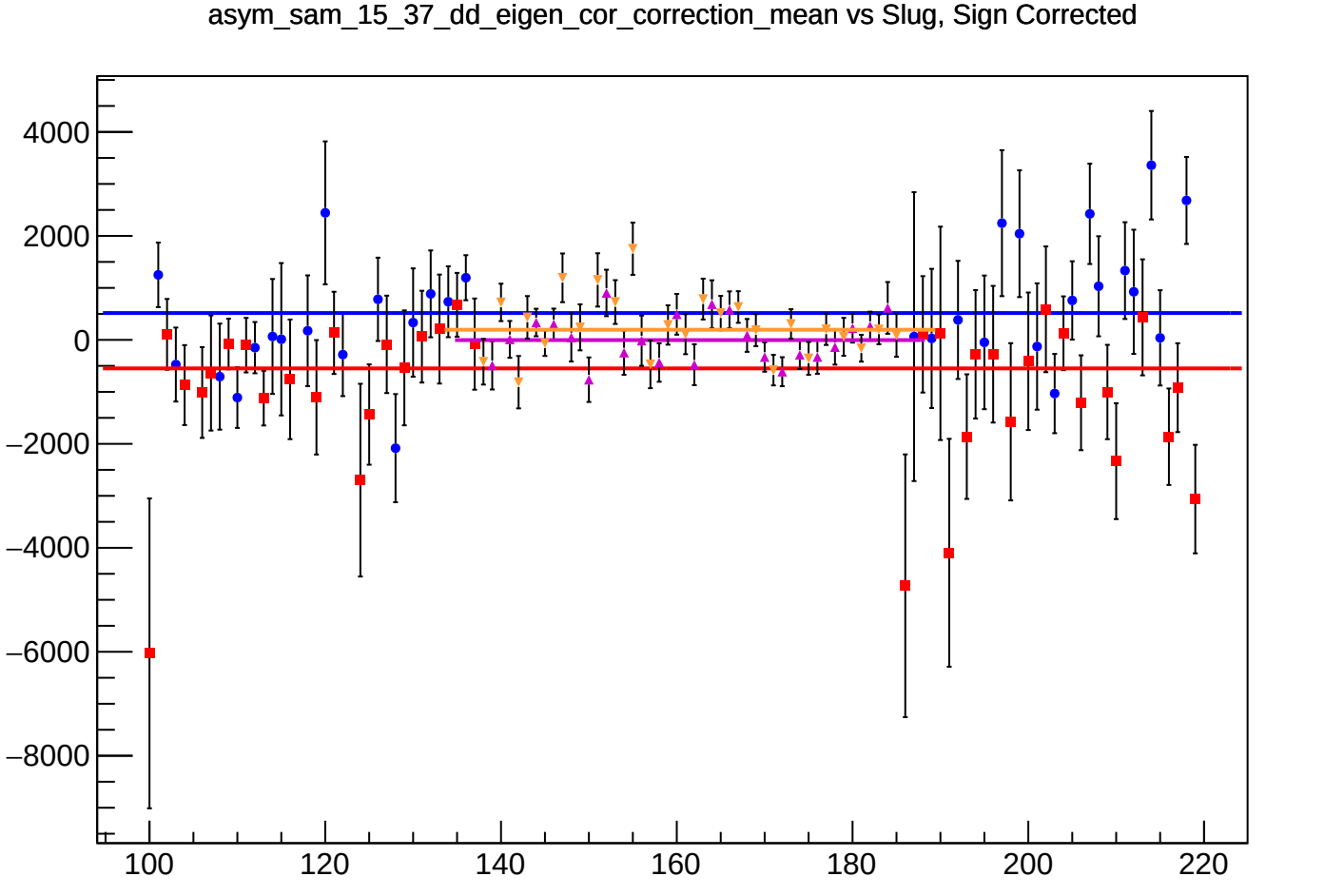
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 58.208+/-0.007 χ^2/NDF: 9392226.6/68

In: 45.251+/-0.005 χ^2/NDF:6768993.7/54

Out: 45.211+/-0.005 χ^2/NDF:8325723.4/61

All: 45.231+/-0.004 χ^2/NDF: 15094744.6/116



Right In: 516.617+/-150.578 χ^2/NDF: 54.3/31

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -548.571+/-149.566 χ^2/NDF: 37.8/36

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

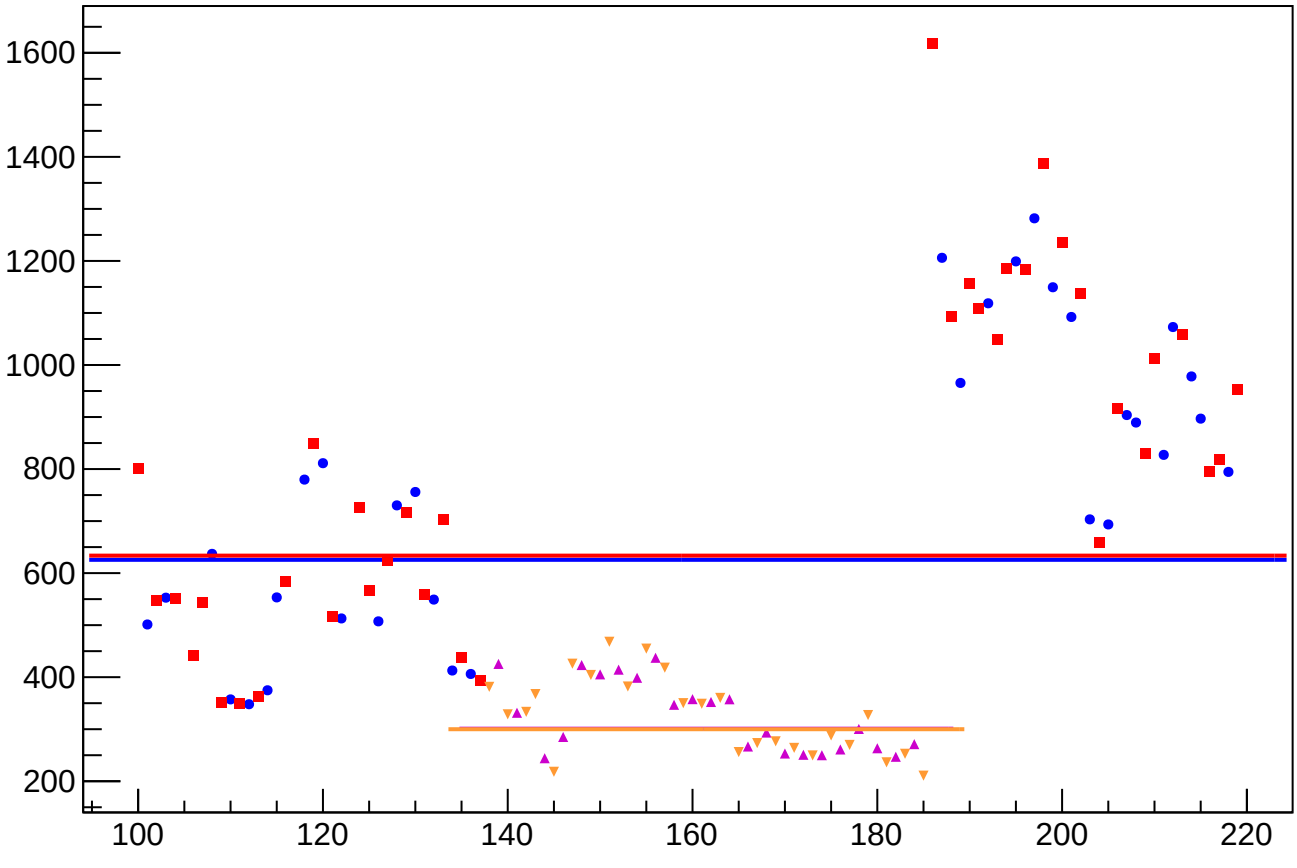
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -19.572+/-106.115 χ^2/NDF: 117.3/68

In: 92.827+/-64.942 χ^2/NDF:96.4/54

Out: 61.123+/-63.469 χ^2/NDF:106.7/61

All: 76.611+/-45.391 χ^2/NDF: 203.2/116



Right In: 625.549+/-0.106 χ^2/NDF: 5507393.7/31

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 633.619+/-0.106 χ^2/NDF: 6749042.6/36

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

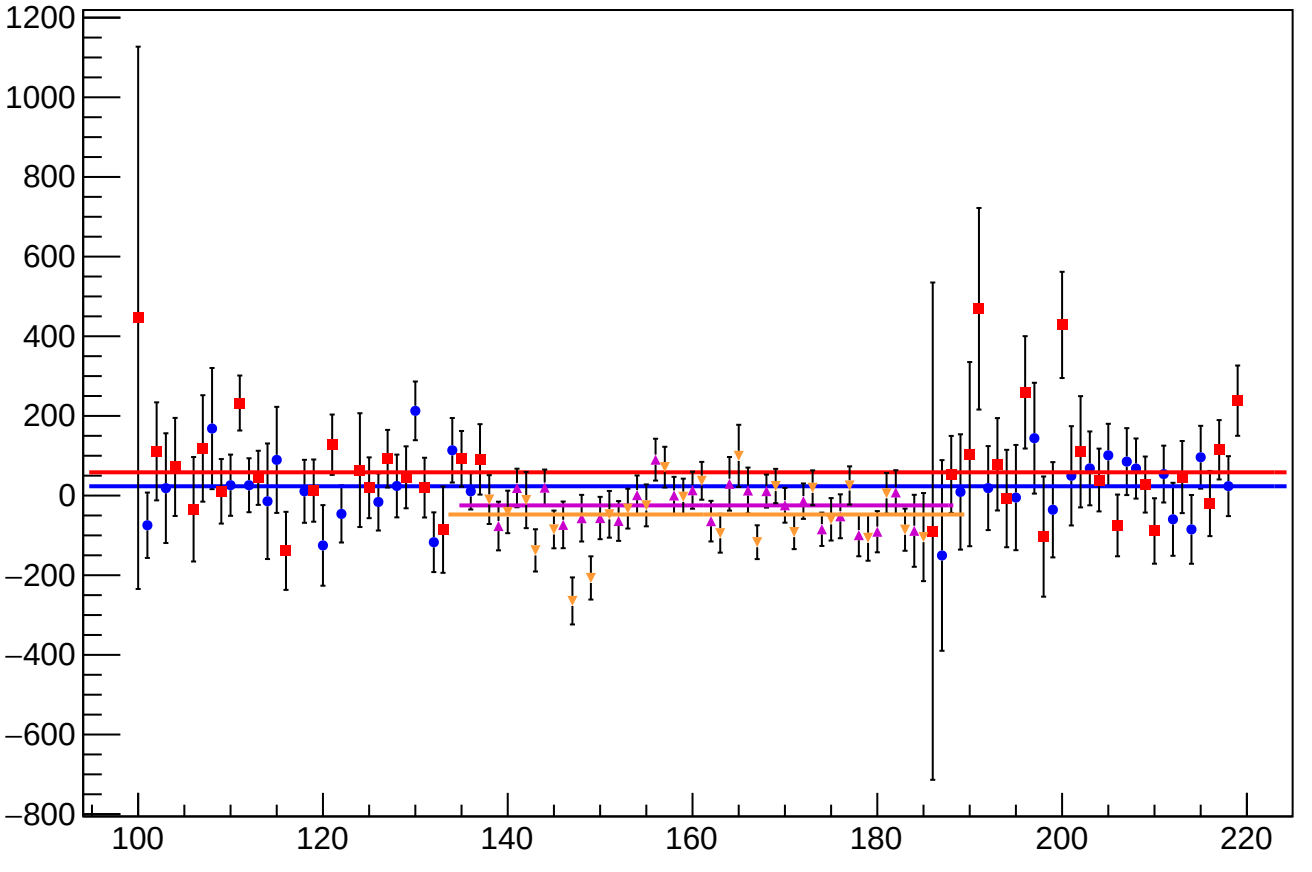
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 629.611+/-0.075 χ^2/NDF: 12259327.5/68

In: 361.368+/-0.046 χ^2/NDF:14477499.6/54

Out: 360.058+/-0.045 χ^2/NDF:16717735.3/61

All: 360.698+/-0.032 χ^2/NDF: 31195651.5/11



Right In: 23.364+/-15.221 χ^2/NDF: 24.6/31

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 58.420+/-15.454 χ^2/NDF: 42.3/36

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

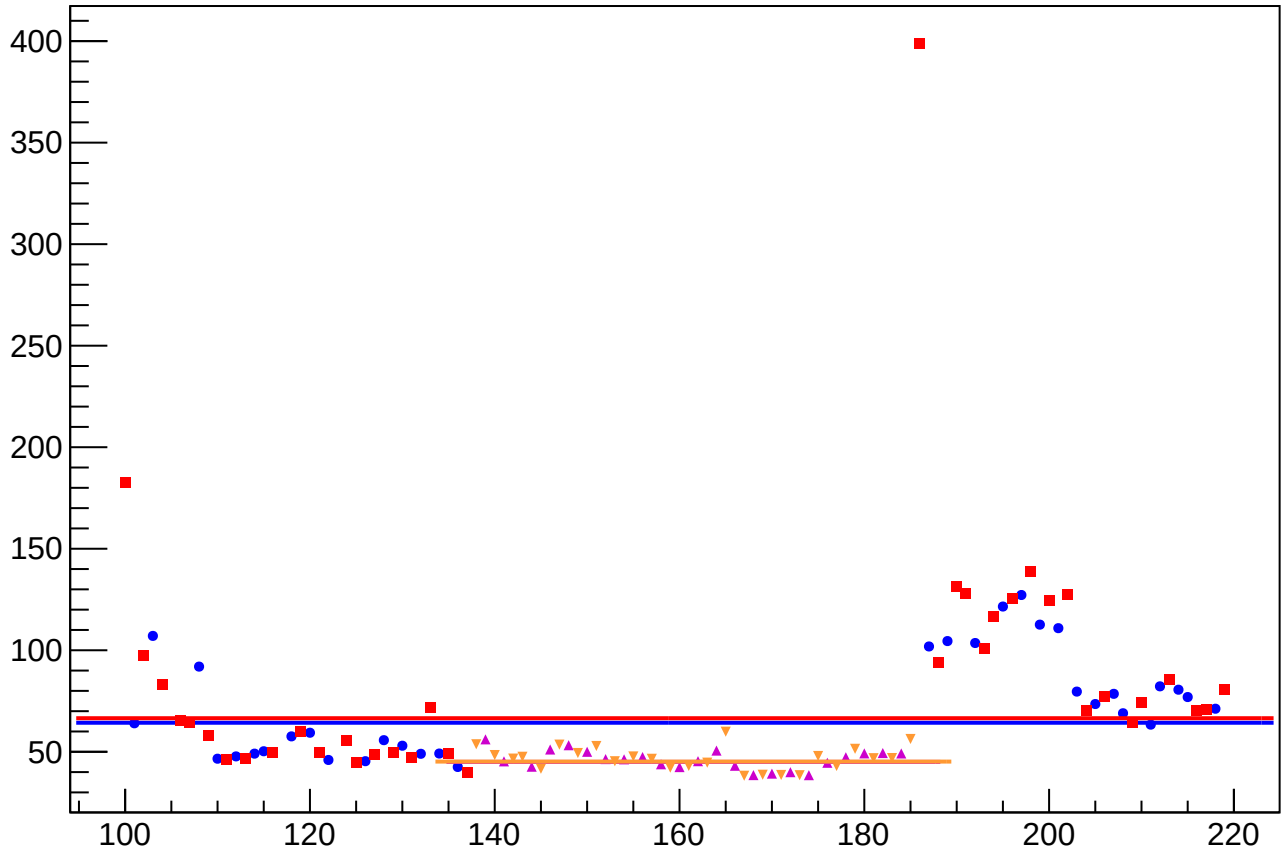
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 40.626+/-10.844 χ^2/NDF: 69.5/68

In: -8.874+/-8.731 χ^2/NDF:51.0/54

Out: -14.505+/-8.624 χ^2/NDF:129.3/61

All: -11.724+/-6.136 χ^2/NDF: 180.5/116



Right In: 64.306+/-0.011 χ^2/NDF: 3732706.5/31

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 66.535+/-0.011 χ^2/NDF: 4895241.5/36

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

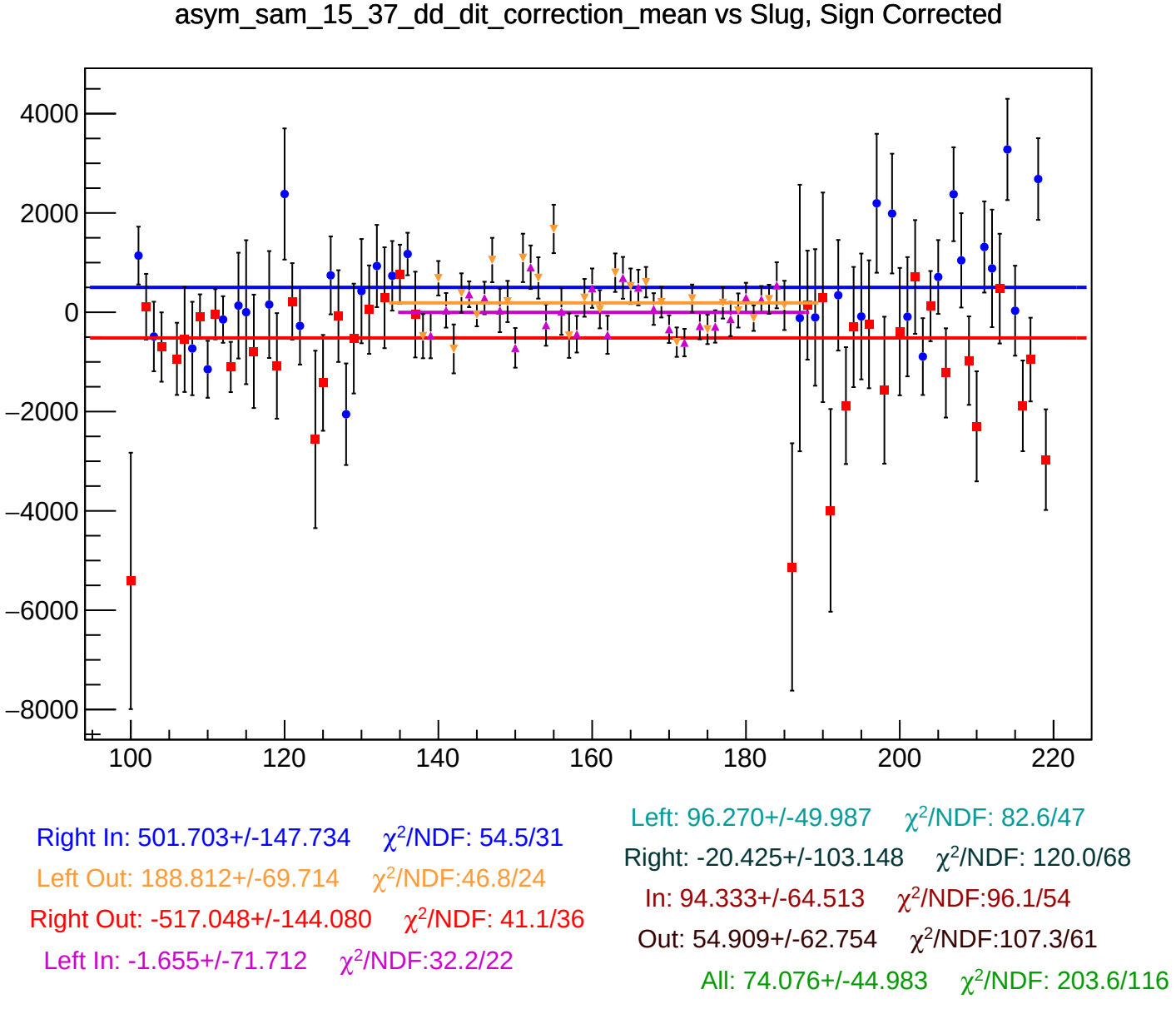
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 65.404+/-0.008 χ^2/NDF: 8649081.6/68

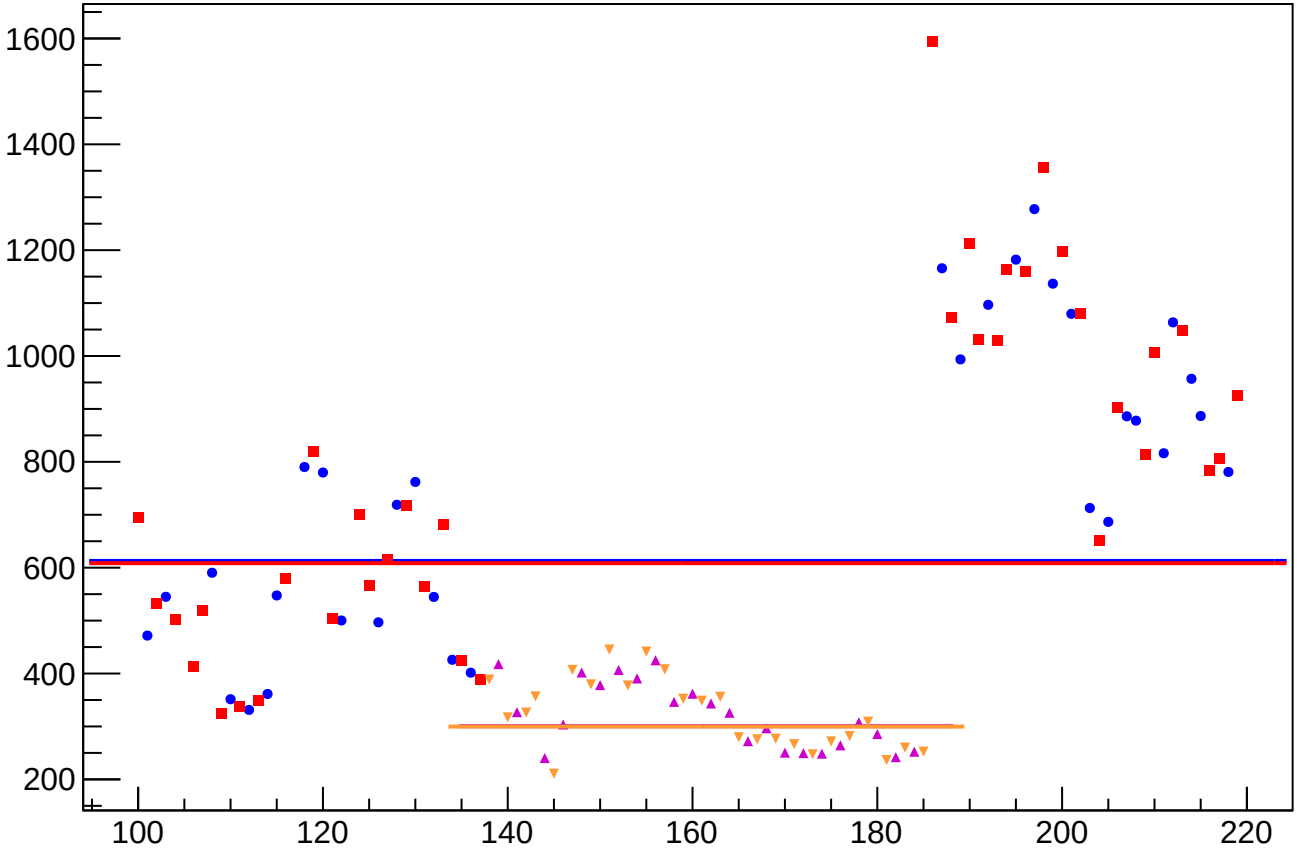
In: 51.365+/-0.006 χ^2/NDF:6260211.7/54

Out: 51.826+/-0.006 χ^2/NDF:8016185.1/61

All: 51.598+/-0.004 χ^2/NDF: 14279225.8/116


asym_sam_15_37_dd_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
220
Right In: 501.703+/-147.734 χ²/NDF: 54.5/31
Left Out: 188.812+/-69.714 χ²/NDF:46.8/24
Right Out: -517.048+/-144.080 χ²/NDF: 41.1/36
Left In: -1.655+/-71.712 χ²/NDF:32.2/22
Left: 96.270+/-49.987 χ²/NDF: 82.6/47
Right: -20.425+/-103.148 χ²/NDF: 120.0/68
In: 94.333+/-64.513 χ²/NDF:96.1/54
Out: 54.909+/-62.754 χ²/NDF:107.3/61
All: 74.076+/-44.983 χ²/NDF: 203.6/116

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 612.748+/-0.104 χ^2/NDF: 5672071.5/31

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 608.525+/-0.102 χ^2/NDF: 7131841.3/36

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

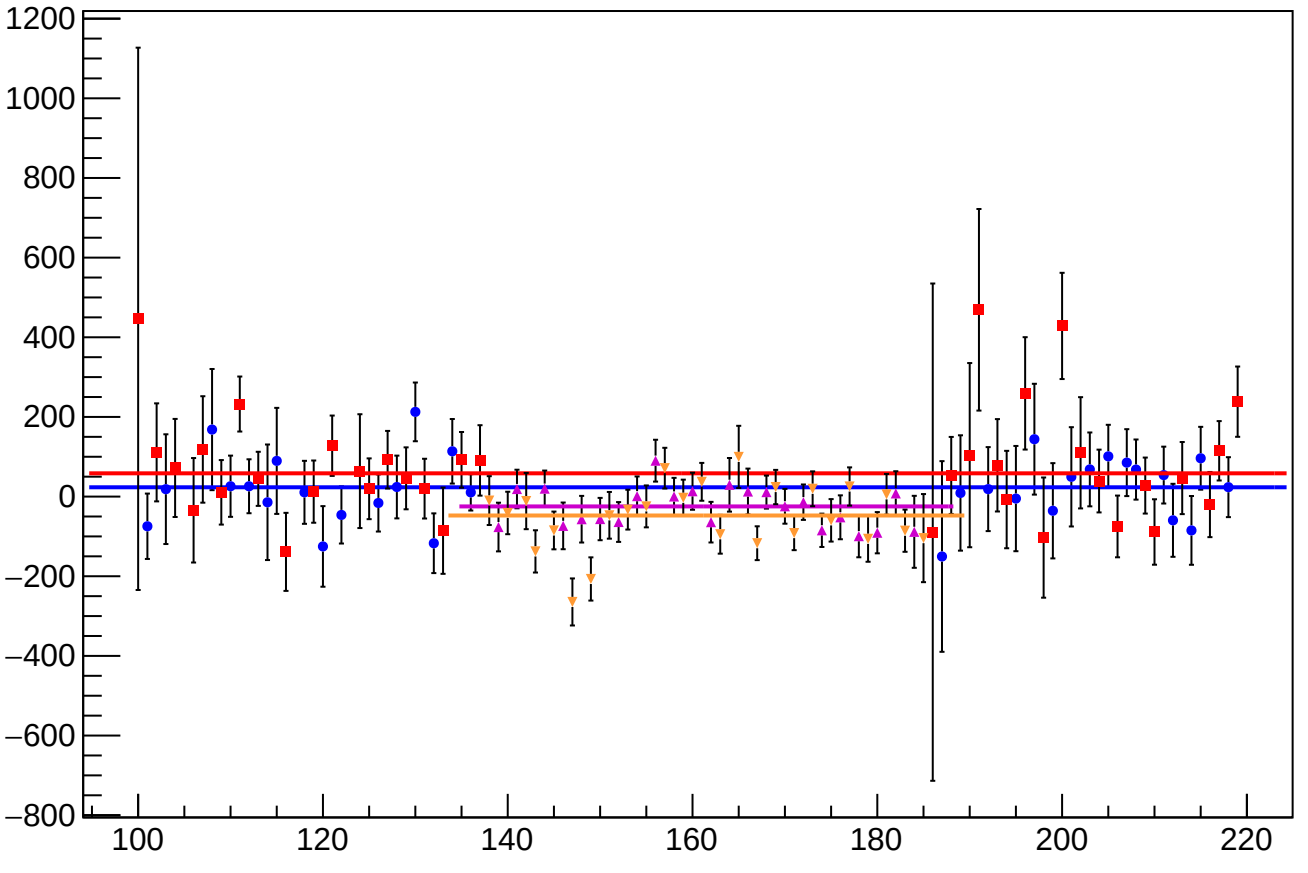
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 610.584+/-0.073 χ^2/NDF: 12804750.1/68

In: 360.080+/-0.046 χ^2/NDF:14160016.6/54

Out: 358.364+/-0.044 χ^2/NDF:16149992.7/61

All: 359.198+/-0.032 χ^2/NDF: 30310736.0/11



Right In: 23.364+/-15.221 χ^2/NDF: 24.6/31

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 58.421+/-15.454 χ^2/NDF: 42.3/36

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

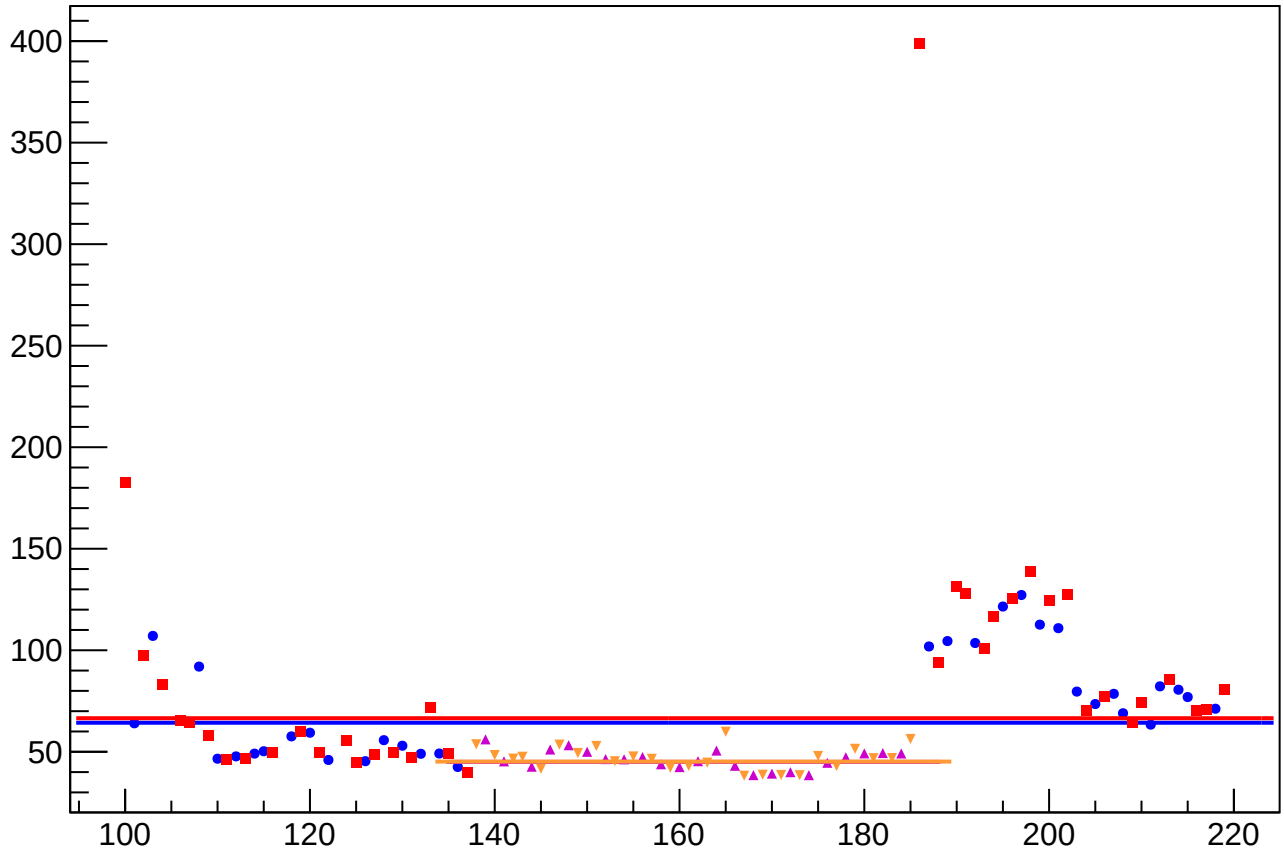
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 40.626+/-10.844 χ^2/NDF: 69.5/68

In: -8.875+/-8.731 χ^2/NDF:51.0/54

Out: -14.505+/-8.624 χ^2/NDF:129.3/61

All: -11.725+/-6.136 χ^2/NDF: 180.5/116



Right In: 64.306+/-0.011 χ^2/NDF: 3732710.1/31

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 66.535+/-0.011 χ^2/NDF: 4895242.7/36

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

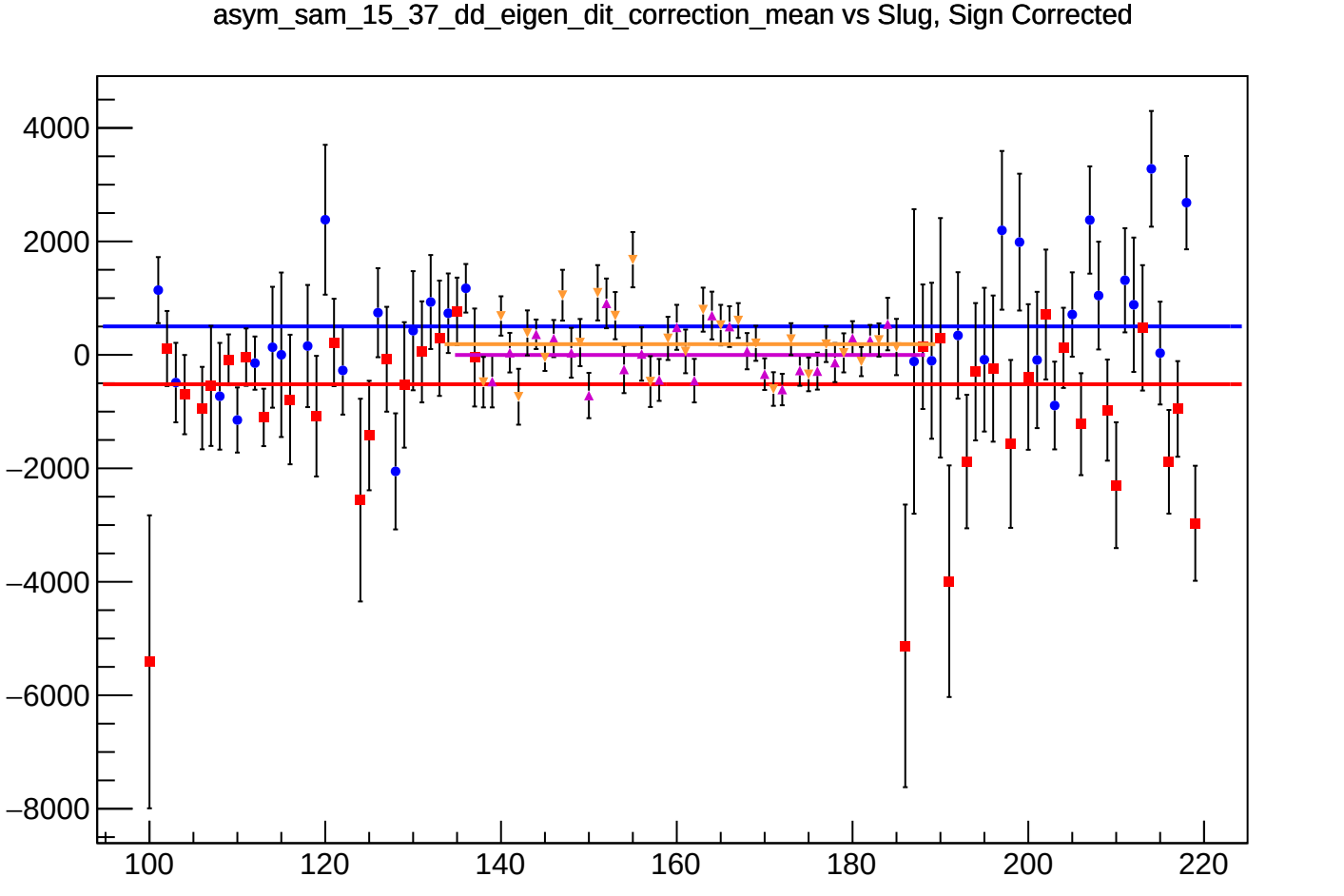
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 65.404+/-0.008 χ^2/NDF: 8649087.0/68

In: 51.365+/-0.006 χ^2/NDF:6260206.0/54

Out: 51.826+/-0.006 χ^2/NDF:8016191.7/61

All: 51.598+/-0.004 χ^2/NDF: 14279226.4/116



Right In: 501.701+/-147.733 χ^2/NDF: 54.5/31

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: -517.048+/-144.080 χ^2/NDF: 41.1/36

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

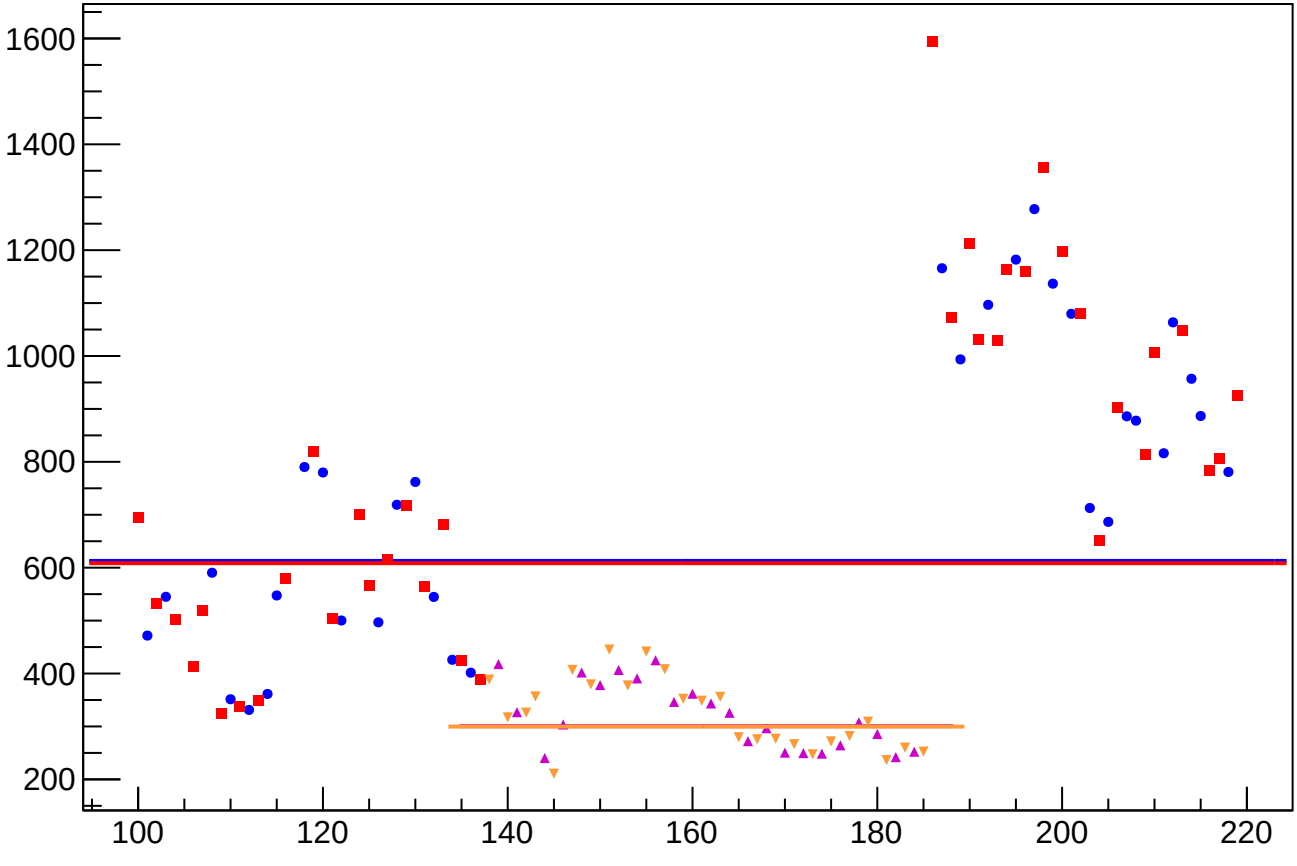
Right: -20.426+/-103.147 χ^2/NDF: 120.0/68

In: 94.334+/-64.513 χ^2/NDF:96.1/54

Out: 54.909+/-62.754 χ^2/NDF:107.3/61

All: 74.076+/-44.983 χ^2/NDF: 203.6/116

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 612.747+/-0.104 χ^2/NDF: 5672092.9/31

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 608.524+/-0.102 χ^2/NDF: 7131858.8/36

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

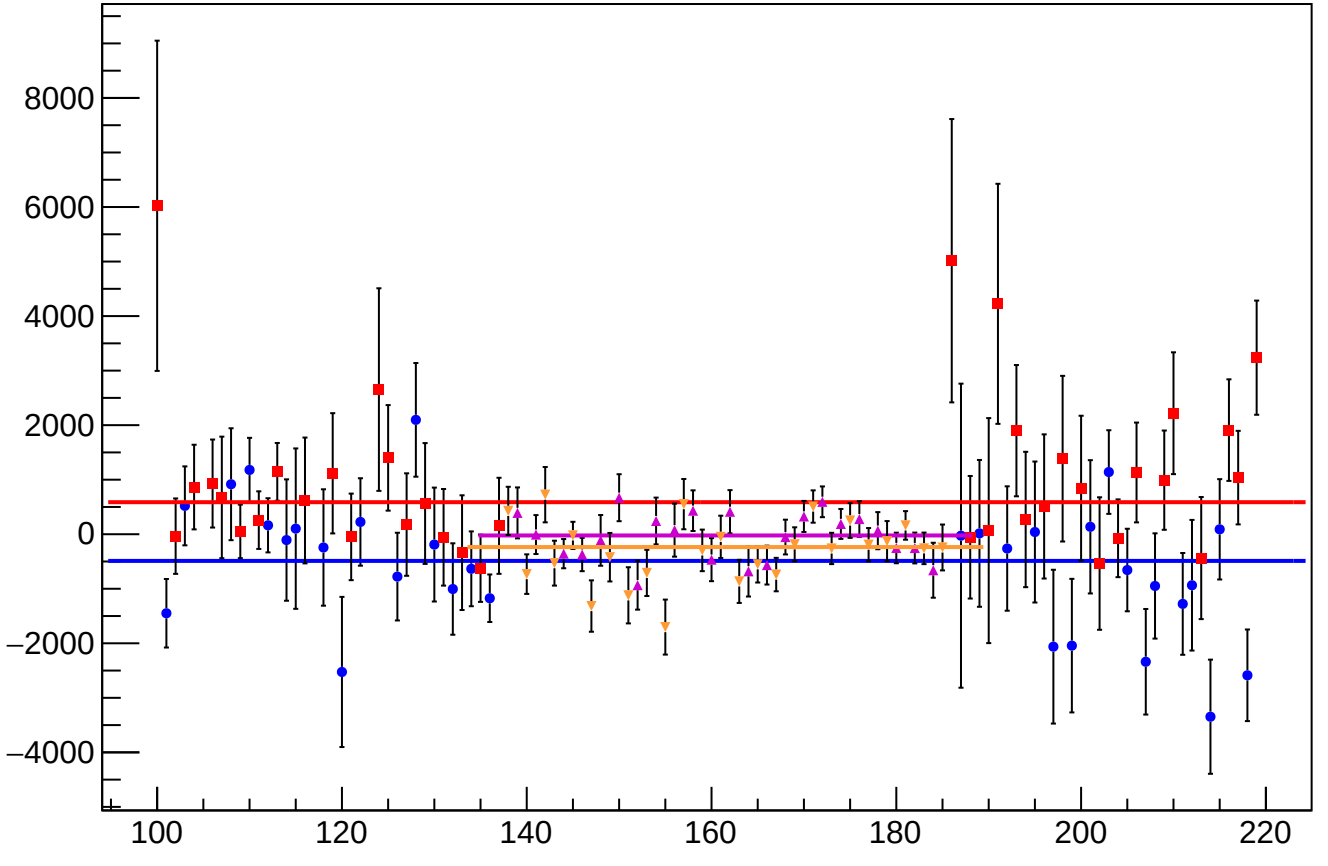
Right: 610.583+/-0.073 χ^2/NDF: 12804789.0/68

In: 360.080+/-0.046 χ^2/NDF:14159986.2/54

Out: 358.365+/-0.044 χ^2/NDF:16149972.7/61

All: 359.199+/-0.032 χ^2/NDF: 30310685.7/11

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -489.077+/-151.456 χ^2/NDF: 55.4/31

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: 587.327+/-150.019 χ^2/NDF: 37.0/36

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

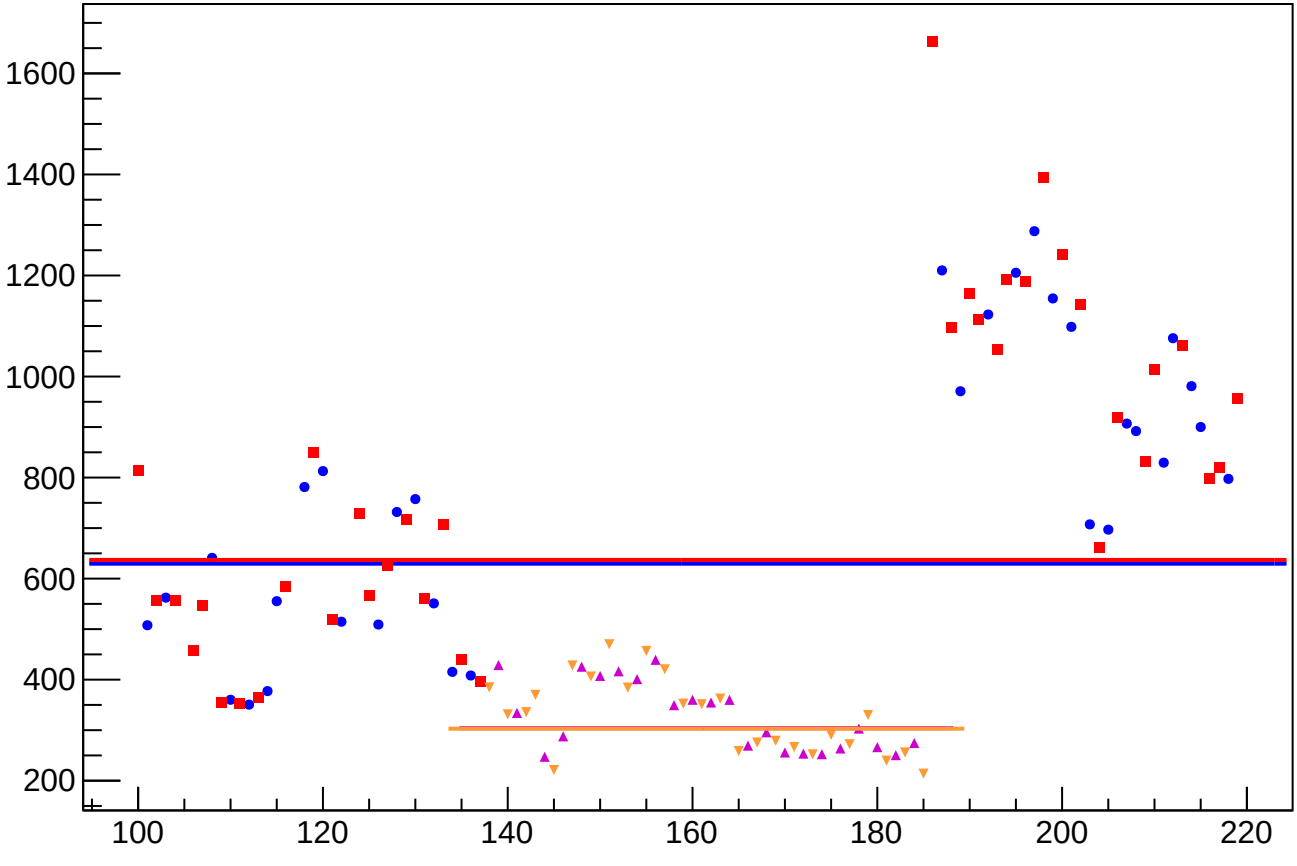
Right: 54.257+/-106.584 χ^2/NDF: 117.8/68

In: -109.891+/-65.498 χ^2/NDF:92.9/54

Out: -85.548+/-63.984 χ^2/NDF:109.0/61

All: -97.435+/-45.770 χ^2/NDF: 202.0/116

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 629.537+/-0.107 χ^2/NDF: 5470284.3/31

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 636.984+/-0.106 χ^2/NDF: 6718371.6/36

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

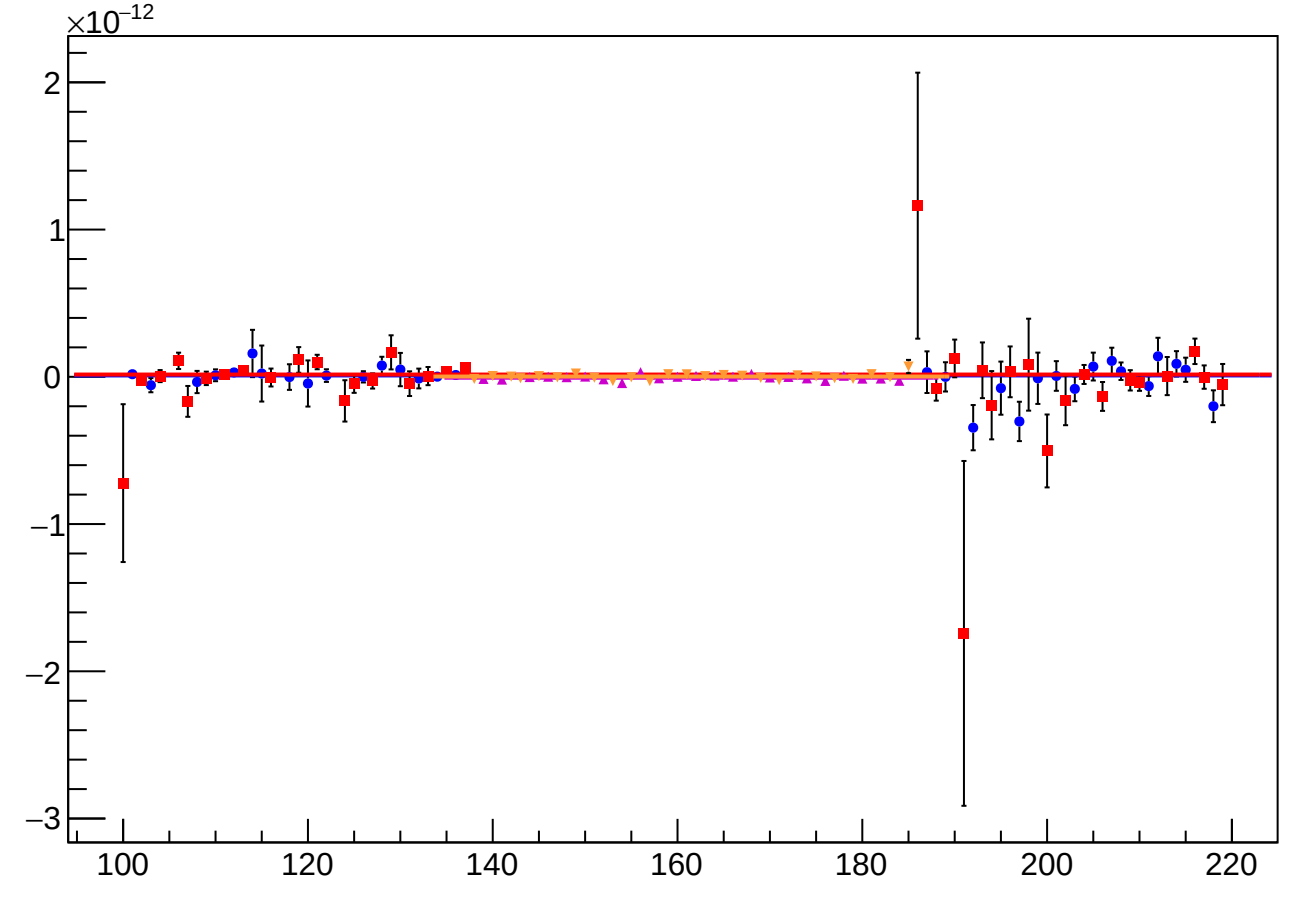
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 633.296+/-0.075 χ^2/NDF: 12191096.8/68

In: 364.819+/-0.046 χ^2/NDF:14361804.7/54

Out: 363.709+/-0.045 χ^2/NDF:16596649.6/61

All: 364.251+/-0.032 χ^2/NDF: 30958748.3/11



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.3/36

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

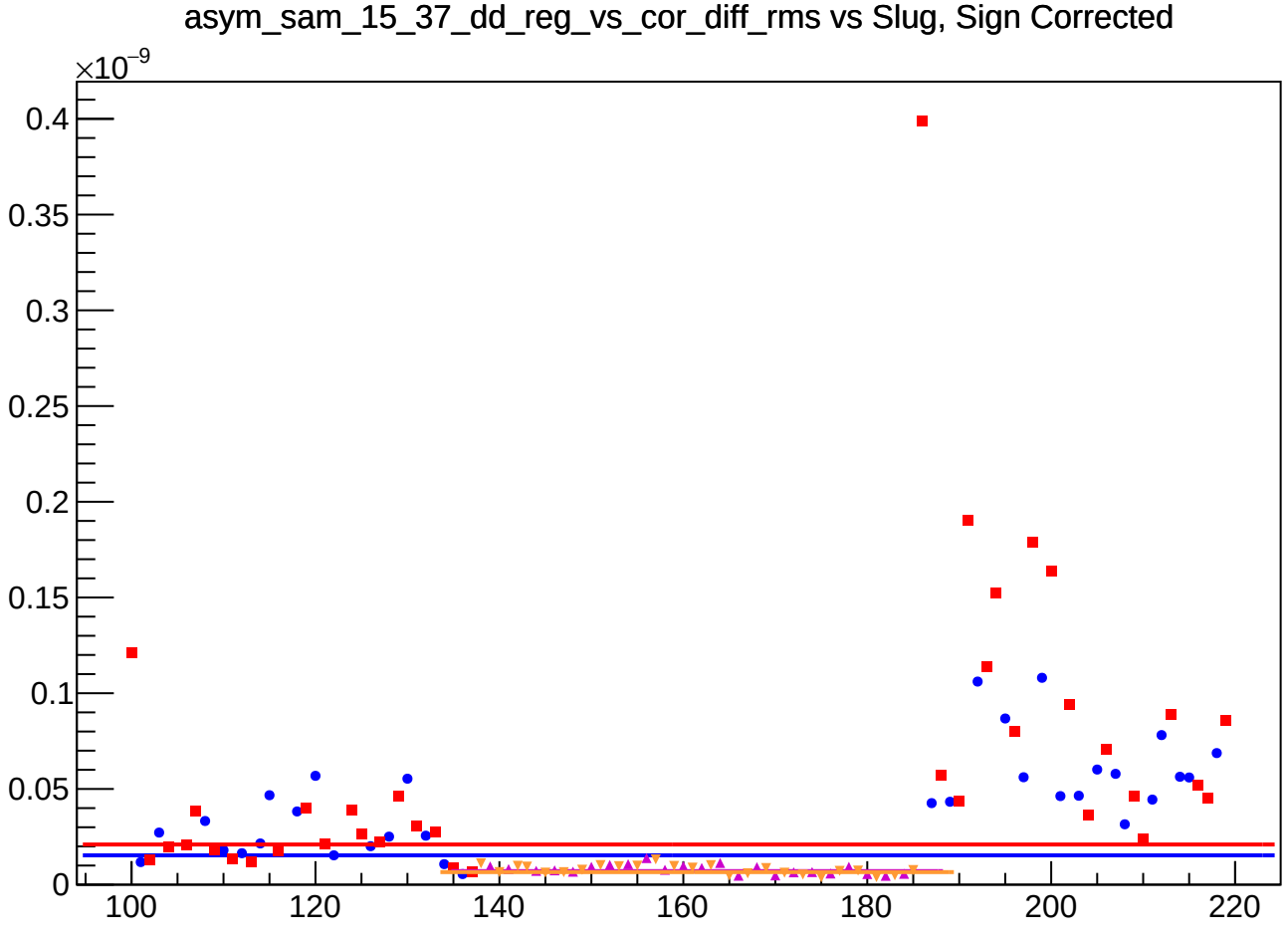
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 70.2/68

In: -0.000+/-0.000 χ^2/NDF:48.5/54

Out: 0.000+/-0.000 χ^2/NDF:68.1/61

All: -0.000+/-0.000 χ^2/NDF: 120.2/116



Right In: 0.000+/-0.000 χ^2/NDF: 8446172.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7801747.6/36

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

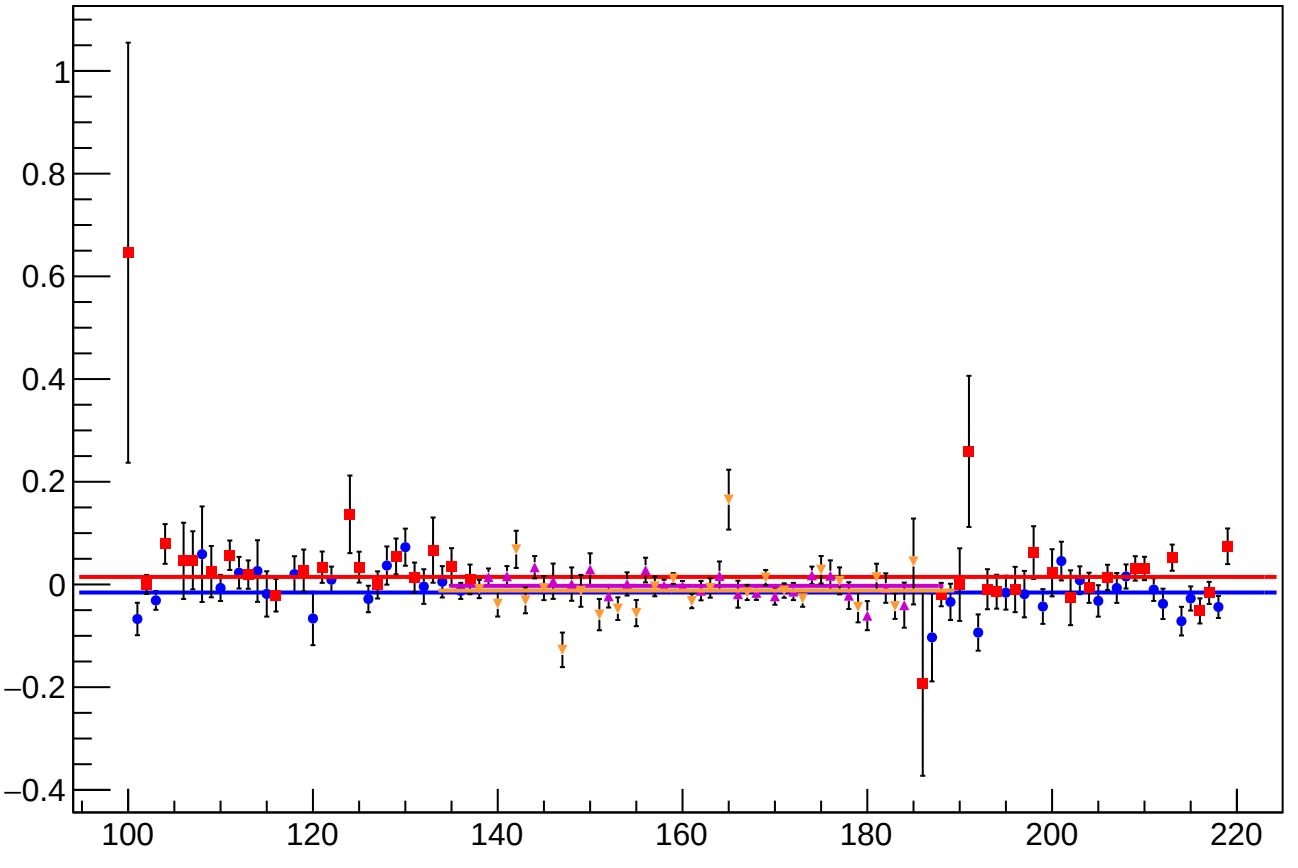
Left: 0.000+/-0.000 χ^2/NDF: 2496461.4/47

Right: 0.000+/-0.000 χ^2/NDF: 16679909.9/68

In: 0.000+/-0.000 χ^2/NDF:11502406.1/54

Out: 0.000+/-0.000 χ^2/NDF:13570845.5/61

All: 0.000+/-0.000 χ^2/NDF: 25111354.1/116



Right In: -0.016+/-0.005 χ^2/NDF: 36.9/31

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.005 χ^2/NDF: 41.3/36

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

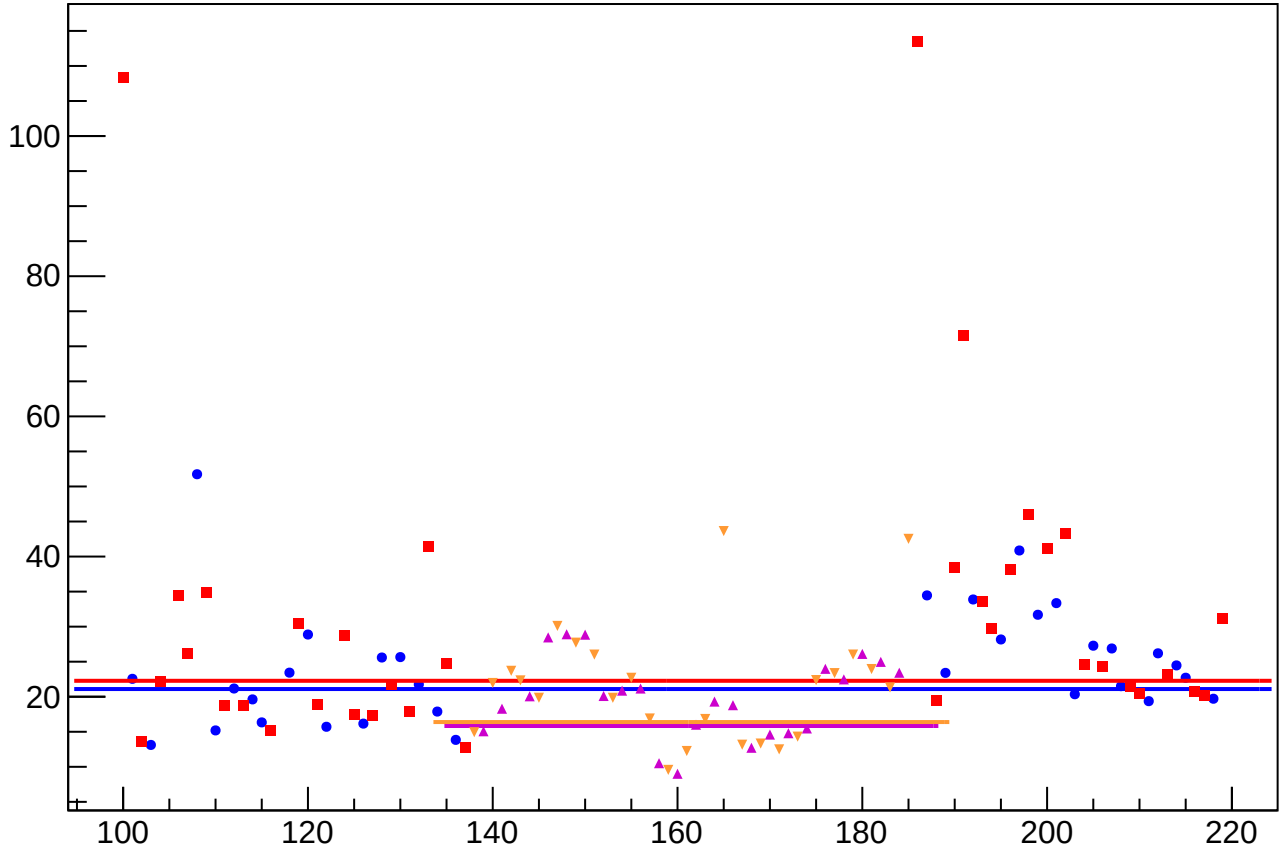
Right: -0.001+/-0.004 χ^2/NDF: 95.1/68

In: -0.008+/-0.003 χ^2/NDF:60.6/54

Out: -0.002+/-0.003 χ^2/NDF:110.3/61

All: -0.005+/-0.002 χ^2/NDF: 172.5/116

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.097+/-0.004 χ^2/NDF: 2949221.0/31

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.273+/-0.004 χ^2/NDF: 4272098.7/36

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

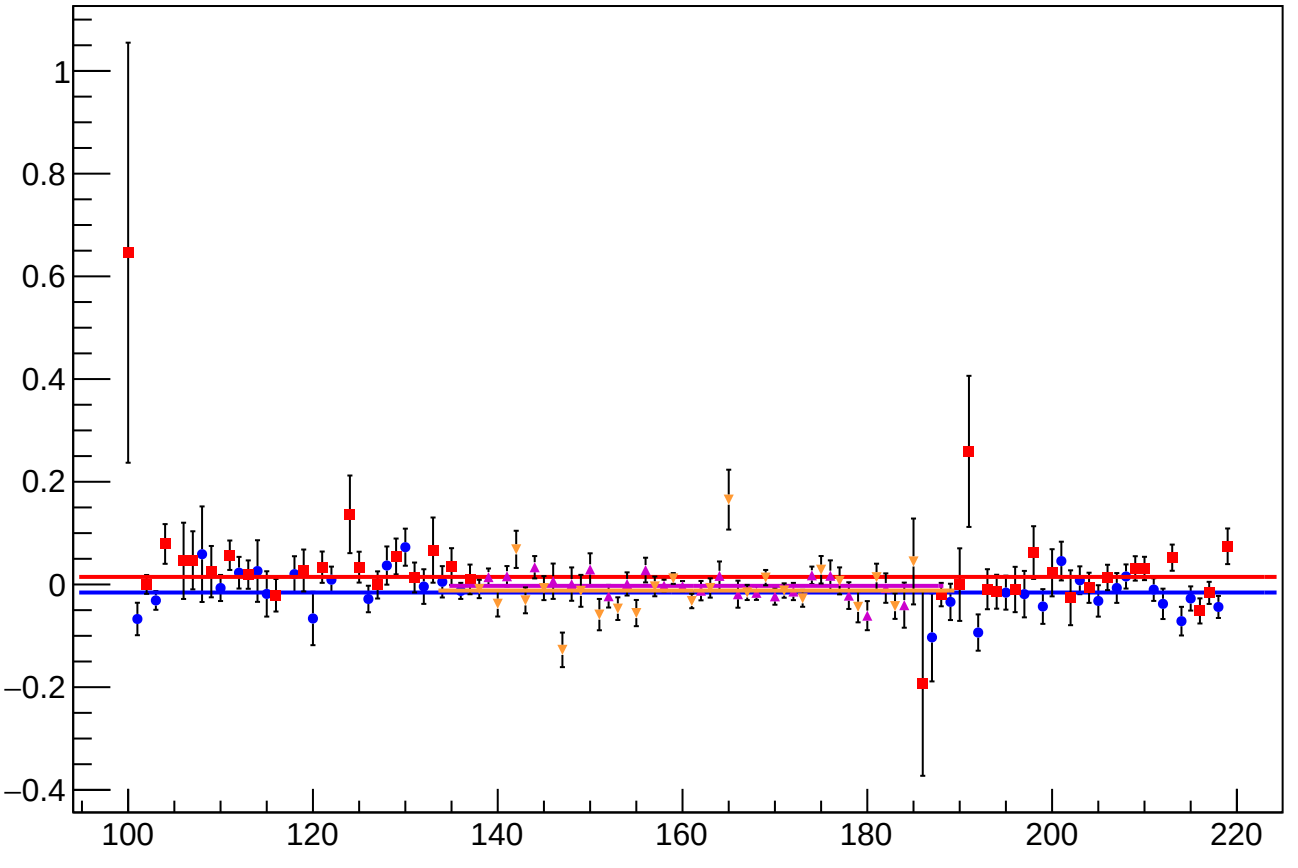
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.661+/-0.003 χ^2/NDF: 7271509.0/68

In: 17.839+/-0.002 χ^2/NDF:7905909.9/54

Out: 18.540+/-0.002 χ^2/NDF:9834718.5/61

All: 18.183+/-0.002 χ^2/NDF: 17788461.2/116



Right In: -0.016+/-0.005 χ^2/NDF: 36.9/31

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.005 χ^2/NDF: 41.3/36

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

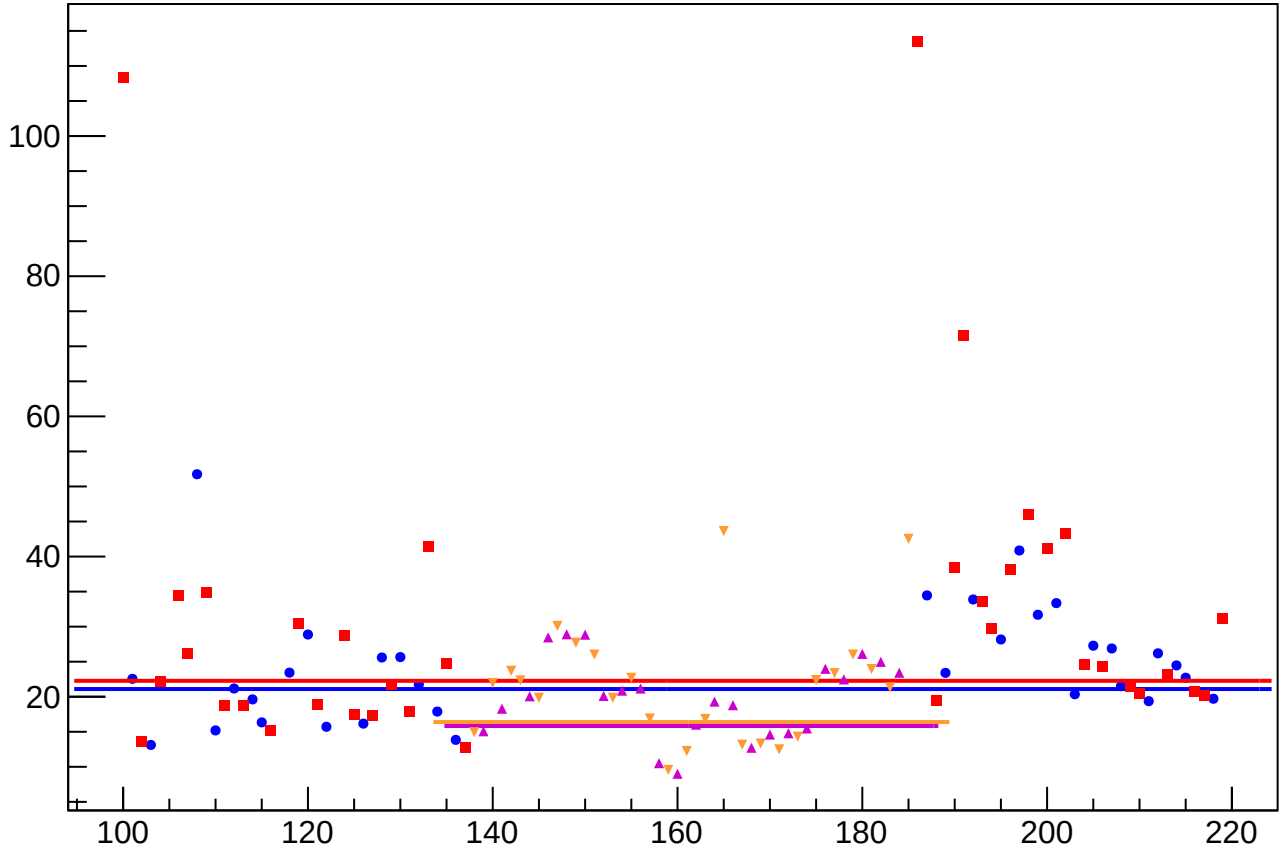
Right: -0.001+/-0.004 χ^2/NDF: 95.1/68

In: -0.008+/-0.003 χ^2/NDF:60.6/54

Out: -0.002+/-0.003 χ^2/NDF:110.3/61

All: -0.005+/-0.002 χ^2/NDF: 172.5/116

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.097+/-0.004 χ^2/NDF: 2949221.0/31

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.273+/-0.004 χ^2/NDF: 4272098.7/36

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

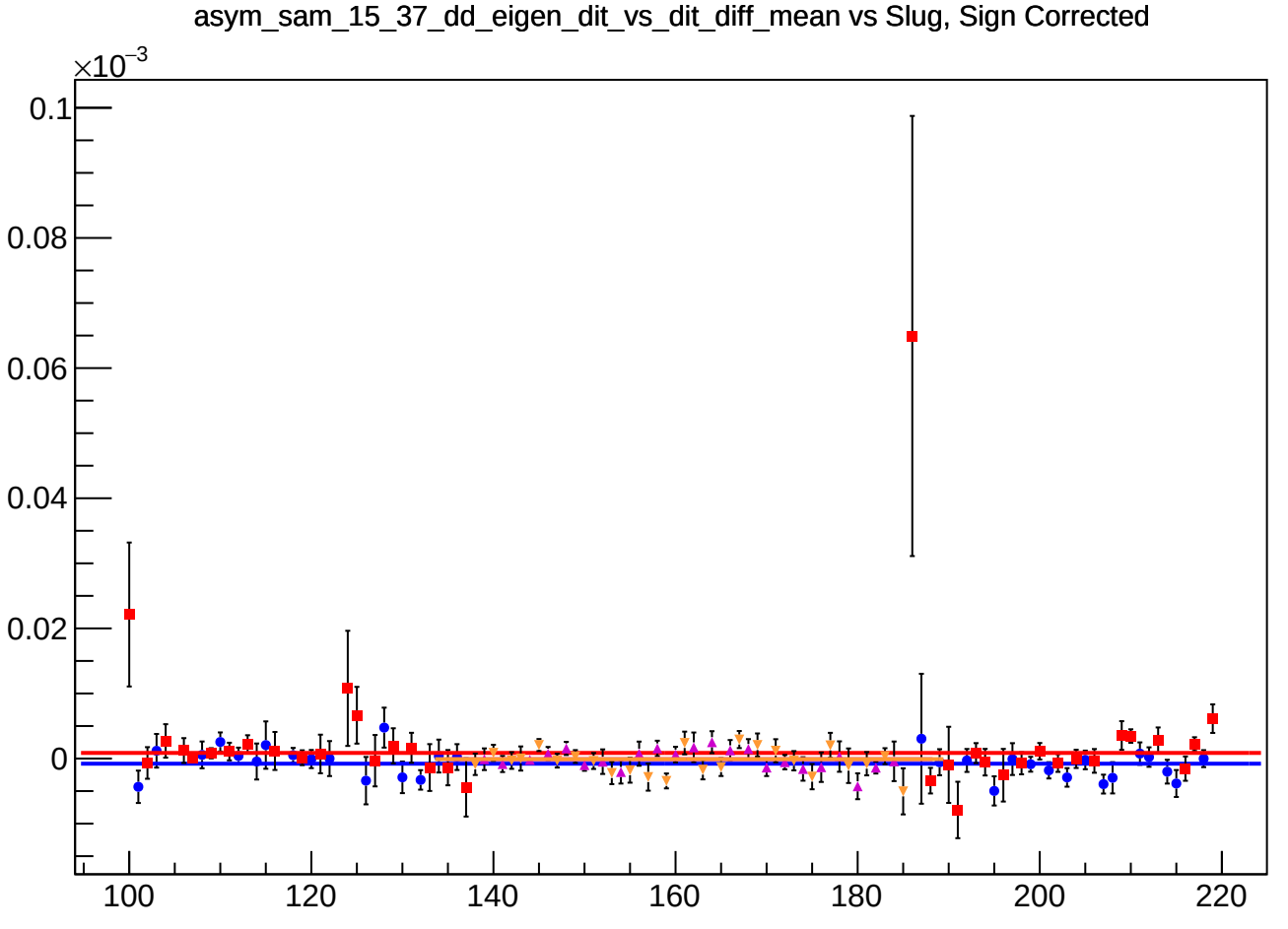
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.661+/-0.003 χ^2/NDF: 7271509.0/68

In: 17.839+/-0.002 χ^2/NDF:7905909.9/54

Out: 18.540+/-0.002 χ^2/NDF:9834718.5/61

All: 18.183+/-0.002 χ^2/NDF: 17788461.2/116



Right In: -0.000+/-0.000 χ^2/NDF: 35.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 47.7/36

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

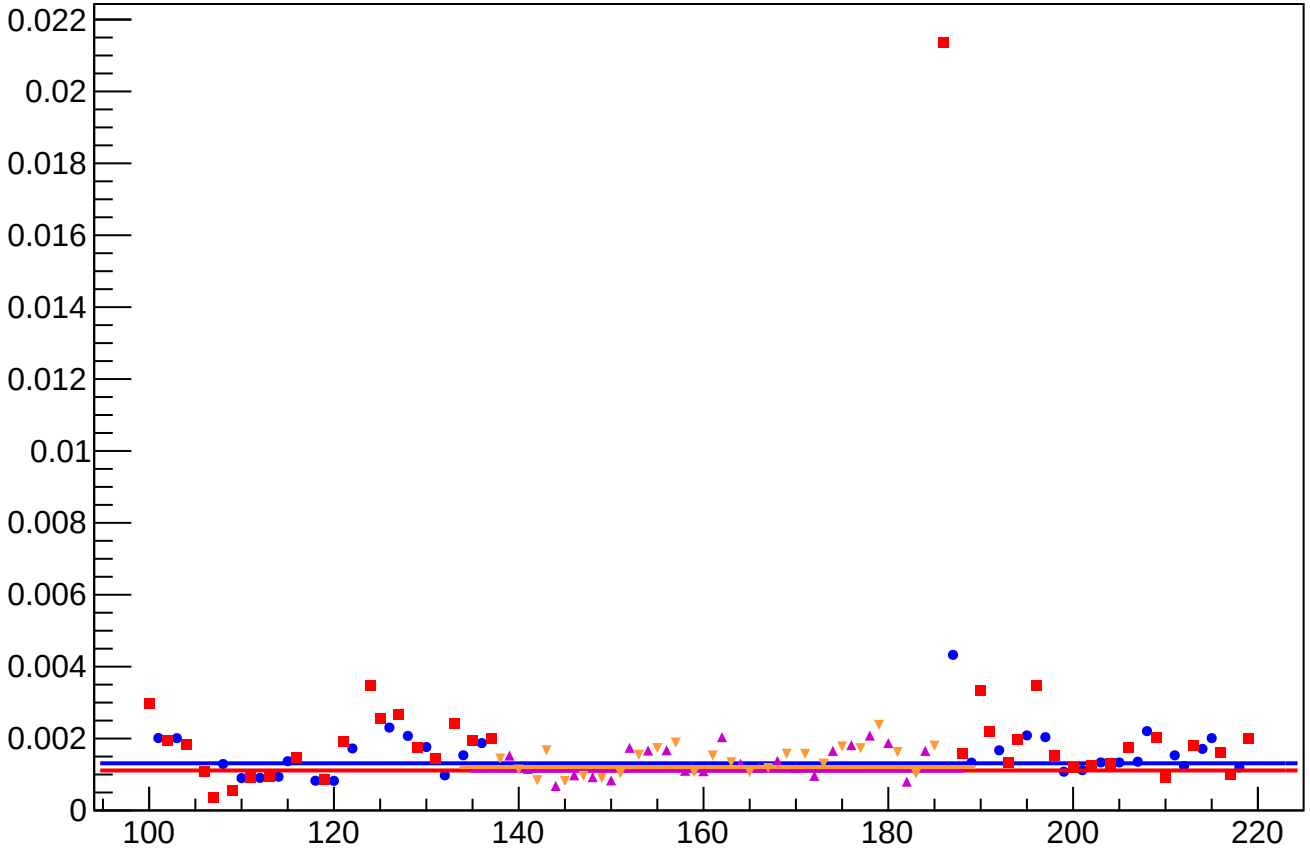
Right: 0.000+/-0.000 χ^2/NDF: 99.2/68

In: -0.000+/-0.000 χ^2/NDF:60.4/54

Out: 0.000+/-0.000 χ^2/NDF:89.5/61

All: 0.000+/-0.000 χ^2/NDF: 157.9/116

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3453328.4/31

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9148848.1/36

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

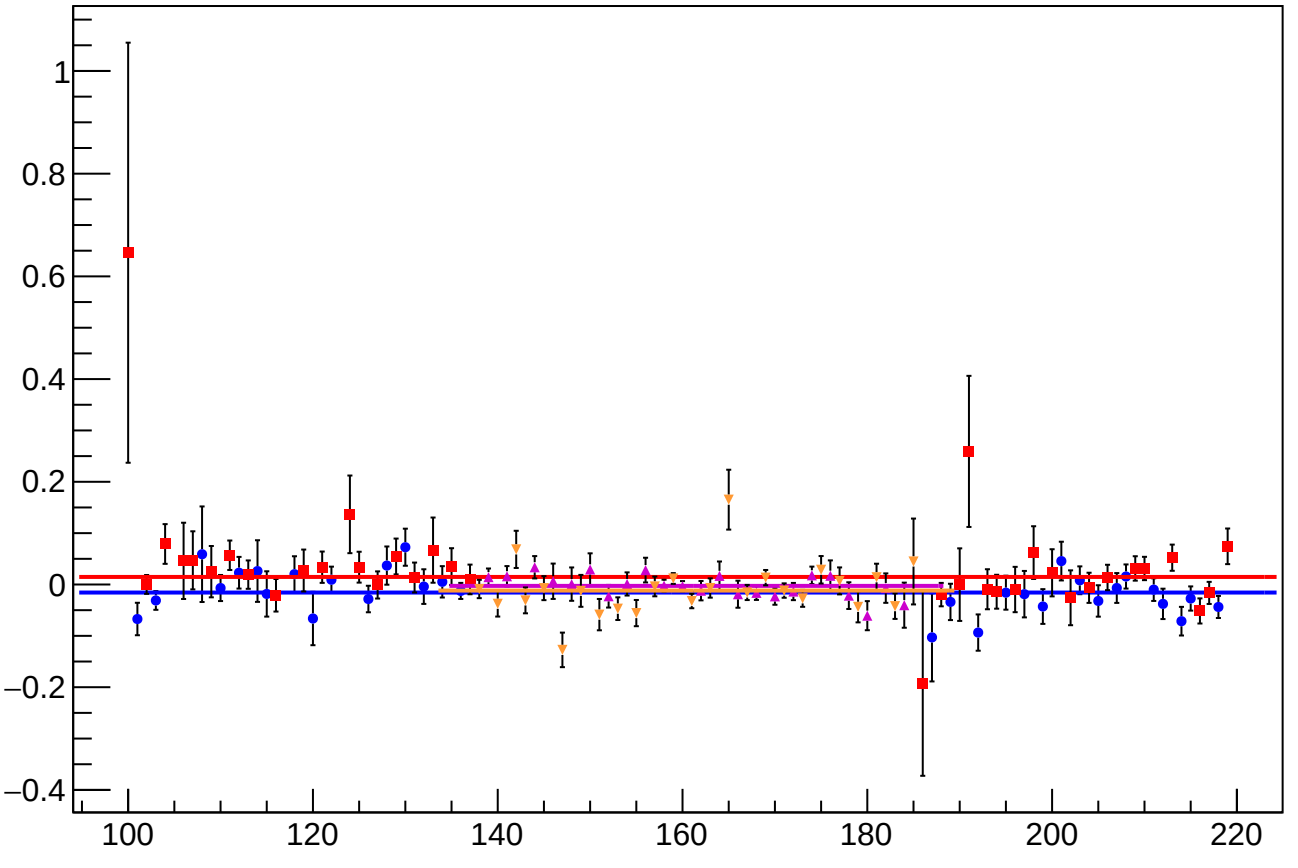
Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

Right: 0.001+/-0.000 χ^2/NDF: 13057944.1/68

In: 0.001+/-0.000 χ^2/NDF:7450651.5/54

Out: 0.001+/-0.000 χ^2/NDF:11982854.3/61

All: 0.001+/-0.000 χ^2/NDF: 19465379.0/116



Right In: -0.016+/-0.005 χ^2/NDF: 36.9/31

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.005 χ^2/NDF: 41.3/36

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

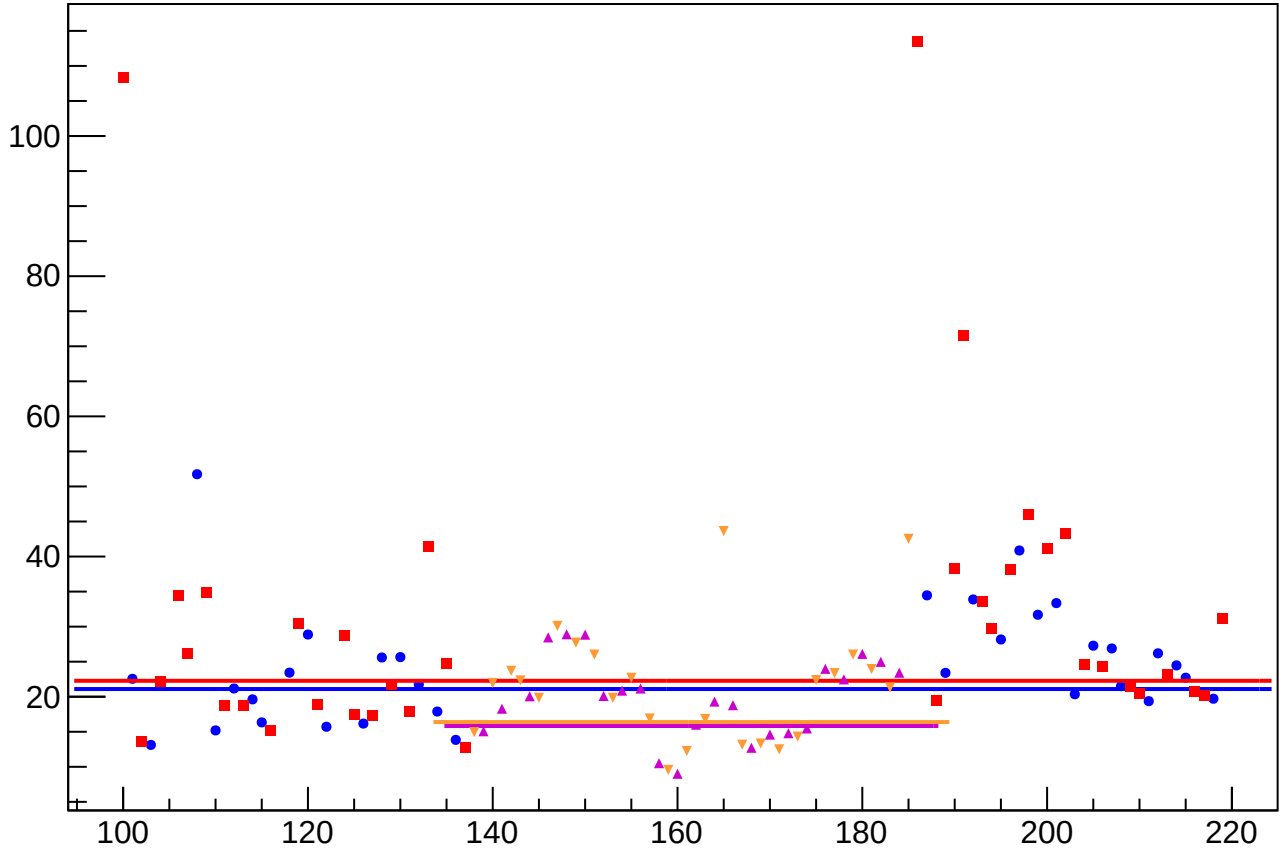
Right: -0.001+/-0.004 χ^2/NDF: 95.1/68

In: -0.008+/-0.003 χ^2/NDF:60.6/54

Out: -0.002+/-0.003 χ^2/NDF:110.3/61

All: -0.005+/-0.002 χ^2/NDF: 172.5/116

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.097+/-0.004 χ^2/NDF: 2949251.5/31

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.273+/-0.004 χ^2/NDF: 4271830.4/36

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

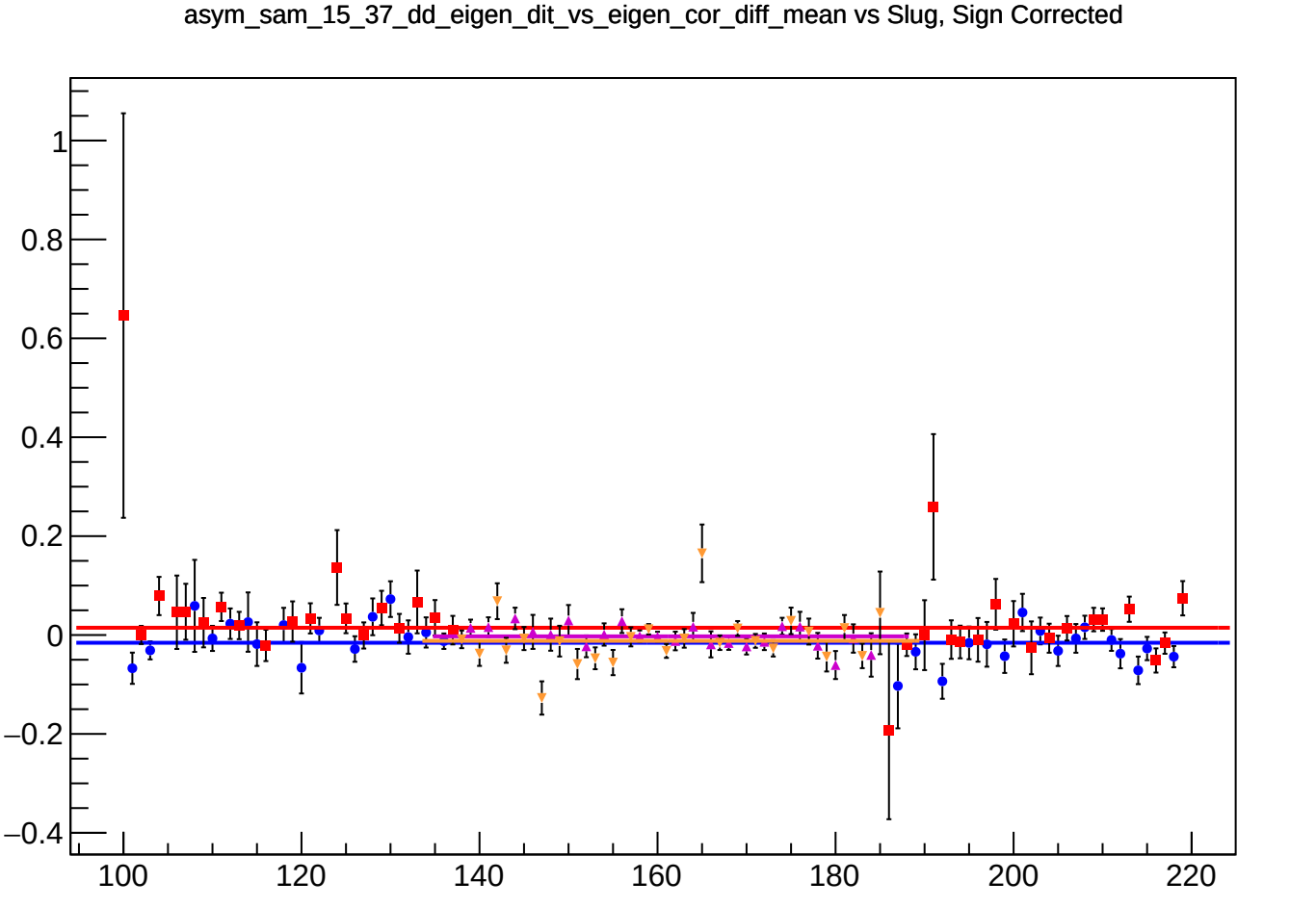
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.661+/-0.003 χ^2/NDF: 7271300.8/68

In: 17.839+/-0.002 χ^2/NDF:7906422.6/54

Out: 18.540+/-0.002 χ^2/NDF:9834956.8/61

All: 18.183+/-0.002 χ^2/NDF: 17789231.0/116



Right In: -0.016+/-0.005 χ^2/NDF: 36.9/31

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.005 χ^2/NDF: 41.3/36

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

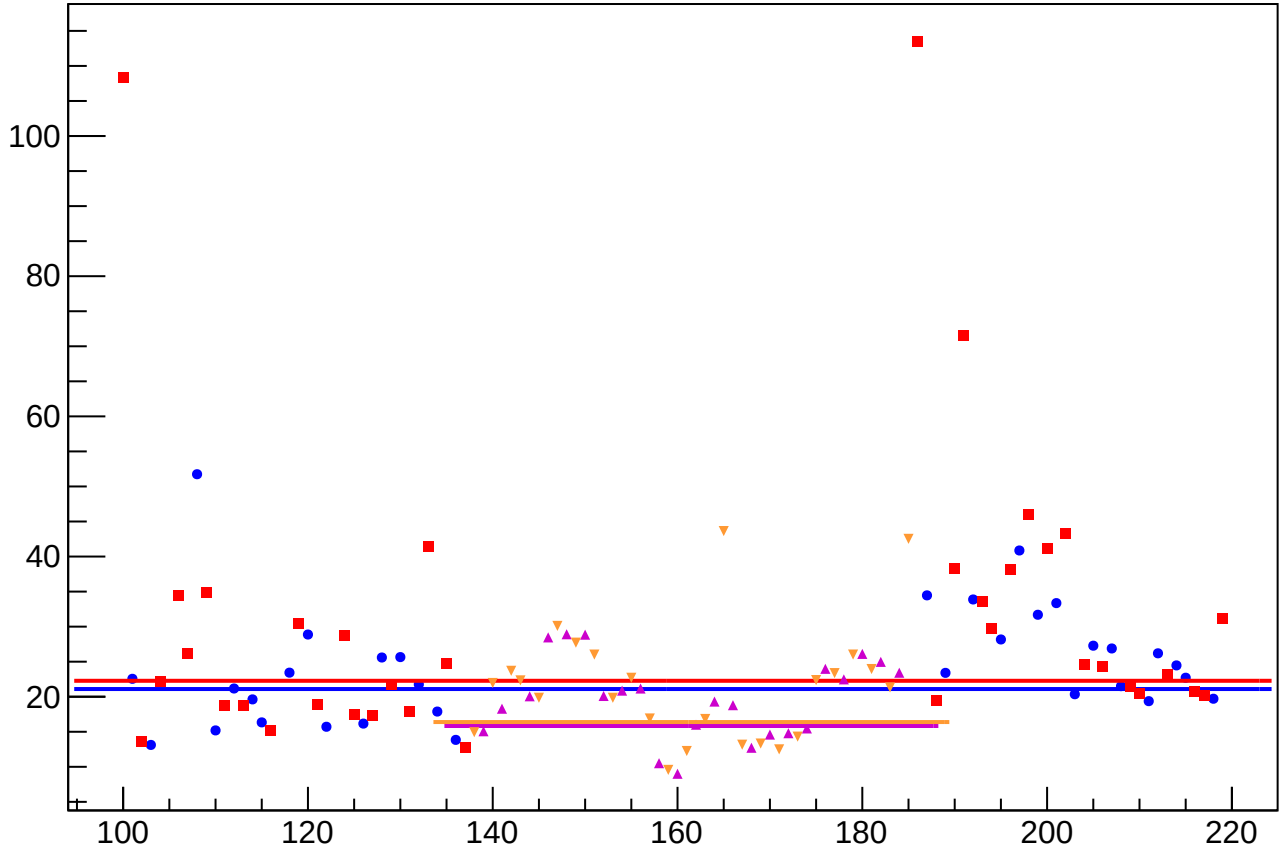
Right: -0.001+/-0.004 χ^2/NDF: 95.1/68

In: -0.008+/-0.003 χ^2/NDF:60.6/54

Out: -0.002+/-0.003 χ^2/NDF:110.3/61

All: -0.005+/-0.002 χ^2/NDF: 172.5/116

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.097+/-0.004 χ^2/NDF: 2949251.5/31

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.273+/-0.004 χ^2/NDF: 4271830.4/36

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

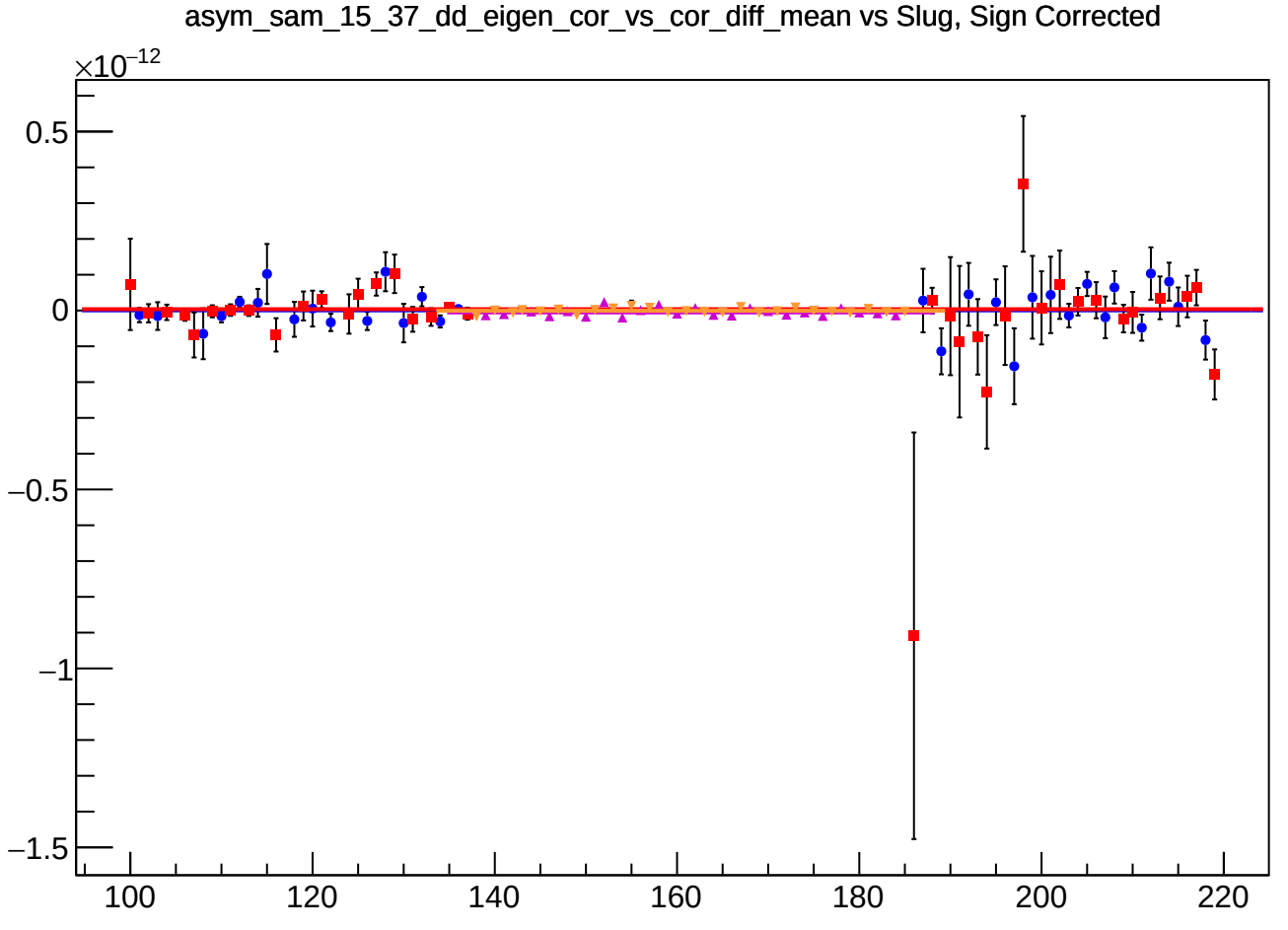
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.661+/-0.003 χ^2/NDF: 7271300.8/68

In: 17.839+/-0.002 χ^2/NDF:7906422.6/54

Out: 18.540+/-0.002 χ^2/NDF:9834956.8/61

All: 18.183+/-0.002 χ^2/NDF: 17789231.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 41.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.0/36

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

Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

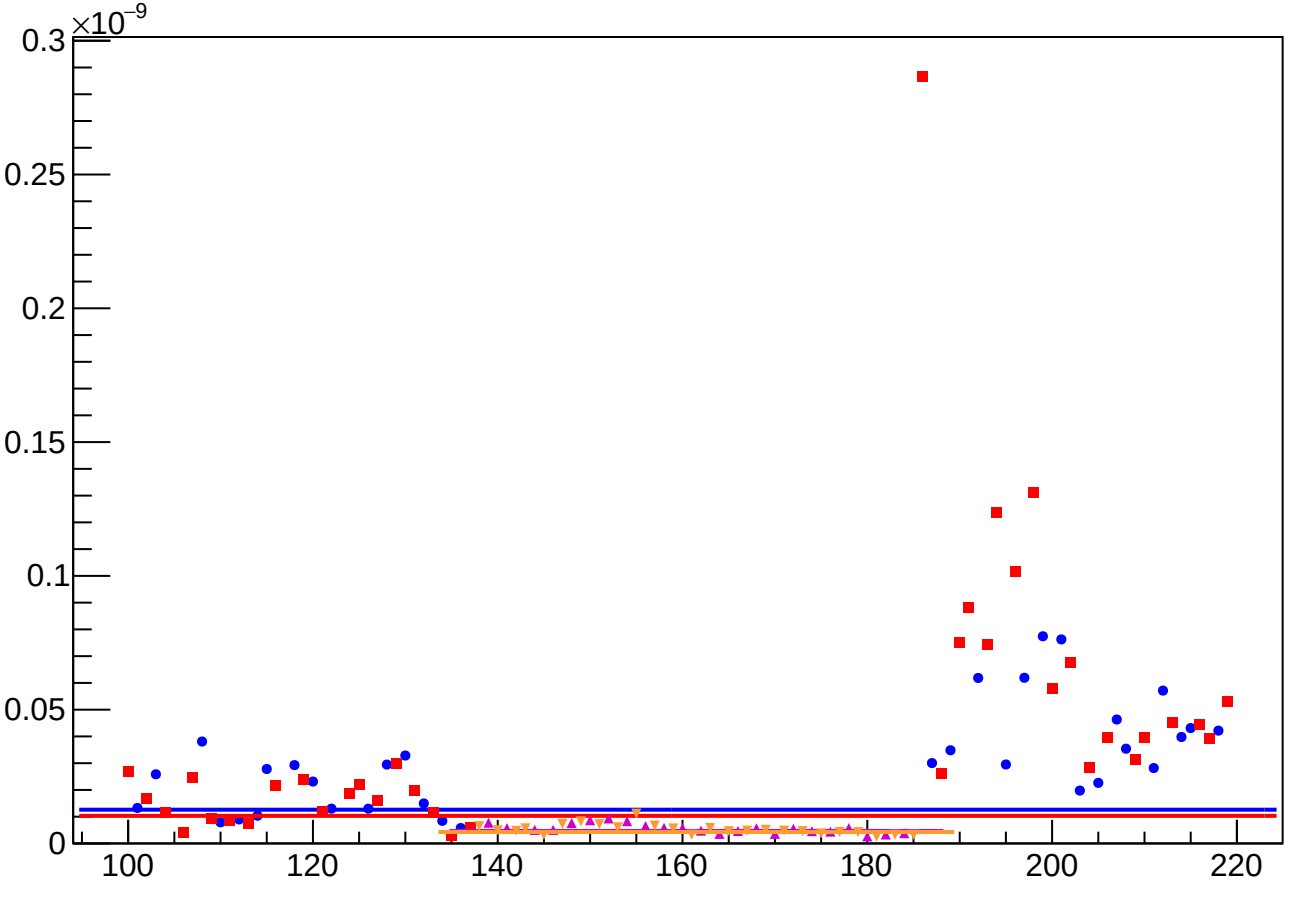
Right: 0.000+/-0.000 χ^2/NDF: 81.2/68

In: -0.000+/-0.000 χ^2/NDF:81.2/54

Out: -0.000+/-0.000 χ^2/NDF:59.1/61

All: -0.000+/-0.000 χ^2/NDF: 146.4/116

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10537607.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14887511.4/36

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

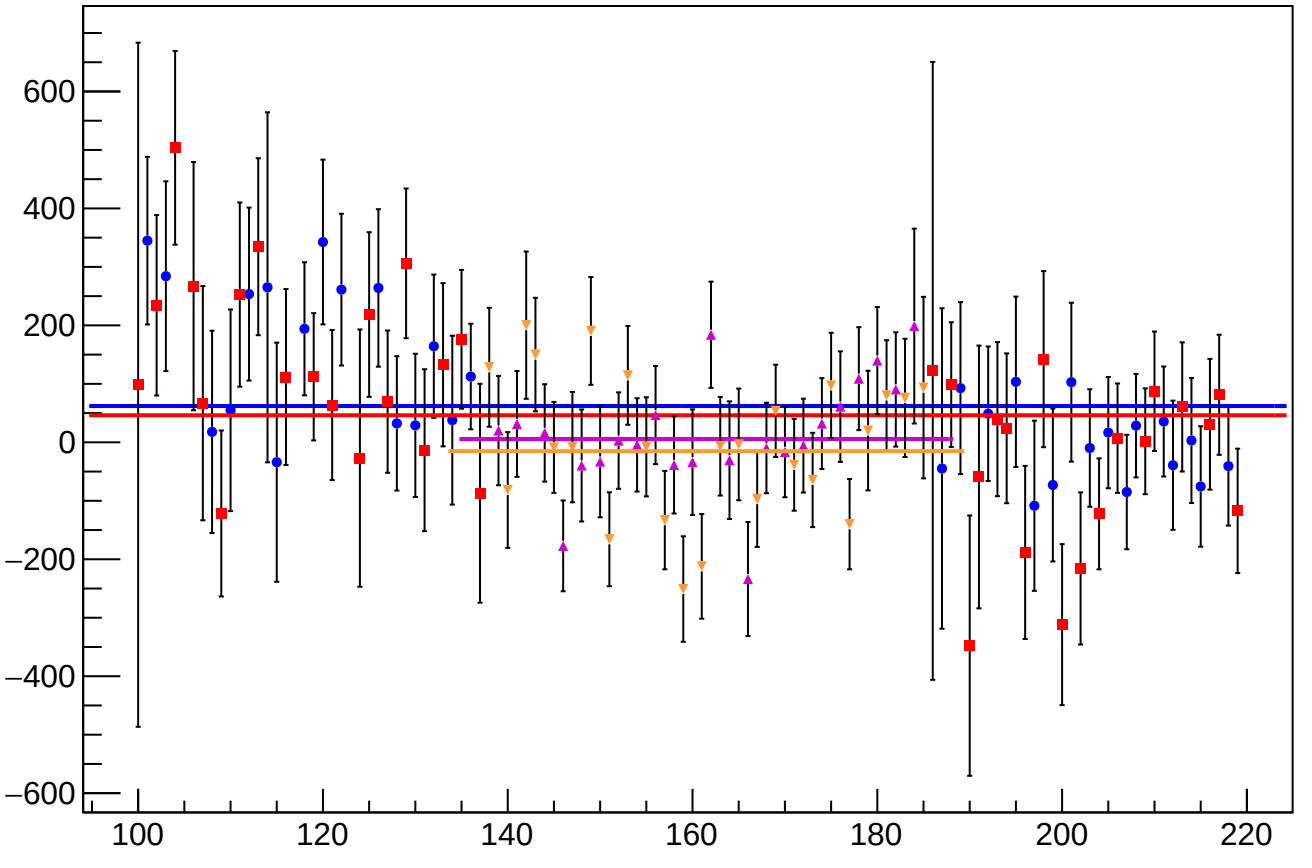
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 25683856.9/68

In: 0.000+/-0.000 χ^2/NDF:18242823.7/54

Out: 0.000+/-0.000 χ^2/NDF:21098397.7/61

All: 0.000+/-0.000 χ^2/NDF: 39503320.1/116



Right In: 62.076+/-21.753 χ^2/NDF: 29.3/31

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 46.249+/-21.851 χ^2/NDF: 49.2/36

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

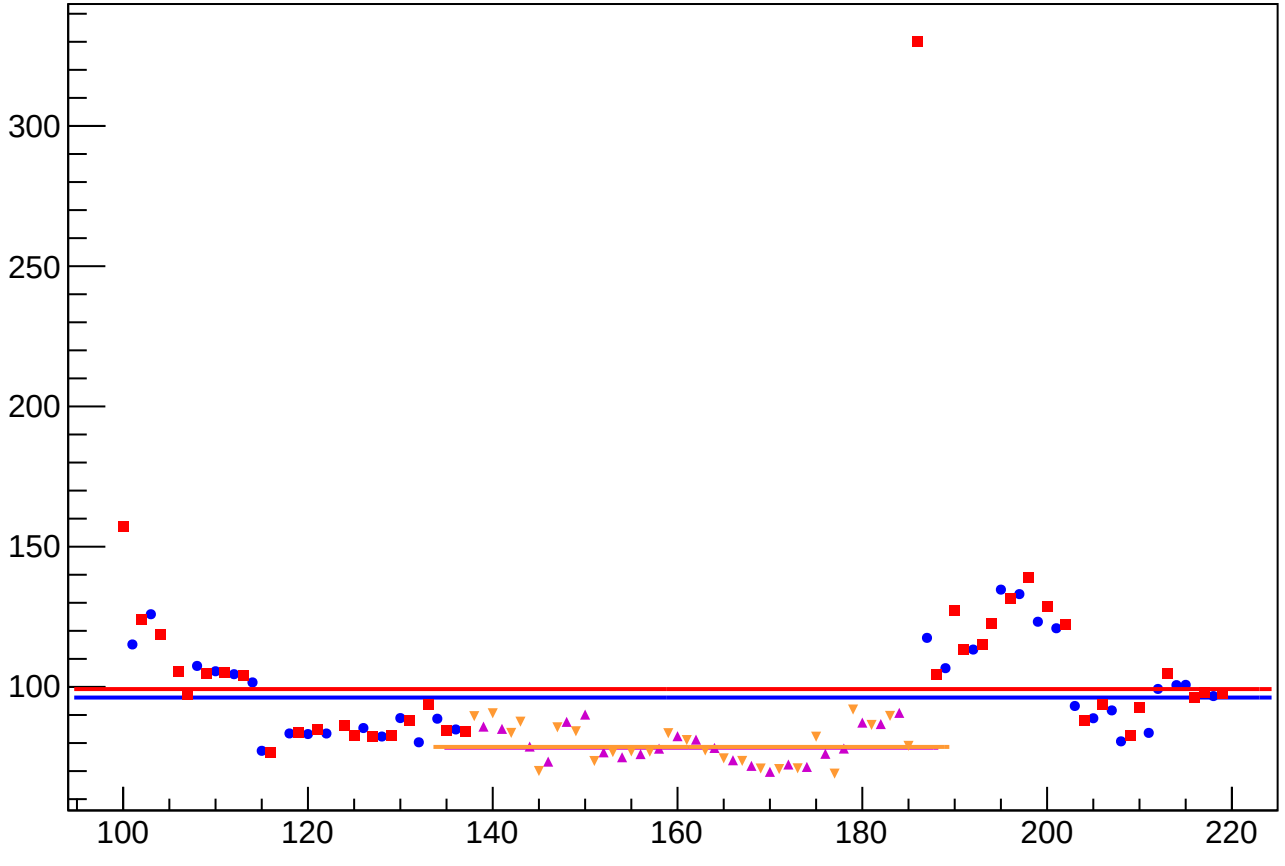
Right: 54.198+/-15.416 χ^2/NDF: 78.7/68

In: 29.144+/-14.040 χ^2/NDF:56.2/54

Out: 9.630+/-13.873 χ^2/NDF:95.6/61

All: 19.271+/-9.868 χ^2/NDF: 152.7/116

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 96.218+/-0.015 χ^2/NDF: 934208.1/31

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 99.240+/-0.015 χ^2/NDF: 1413972.3/36

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

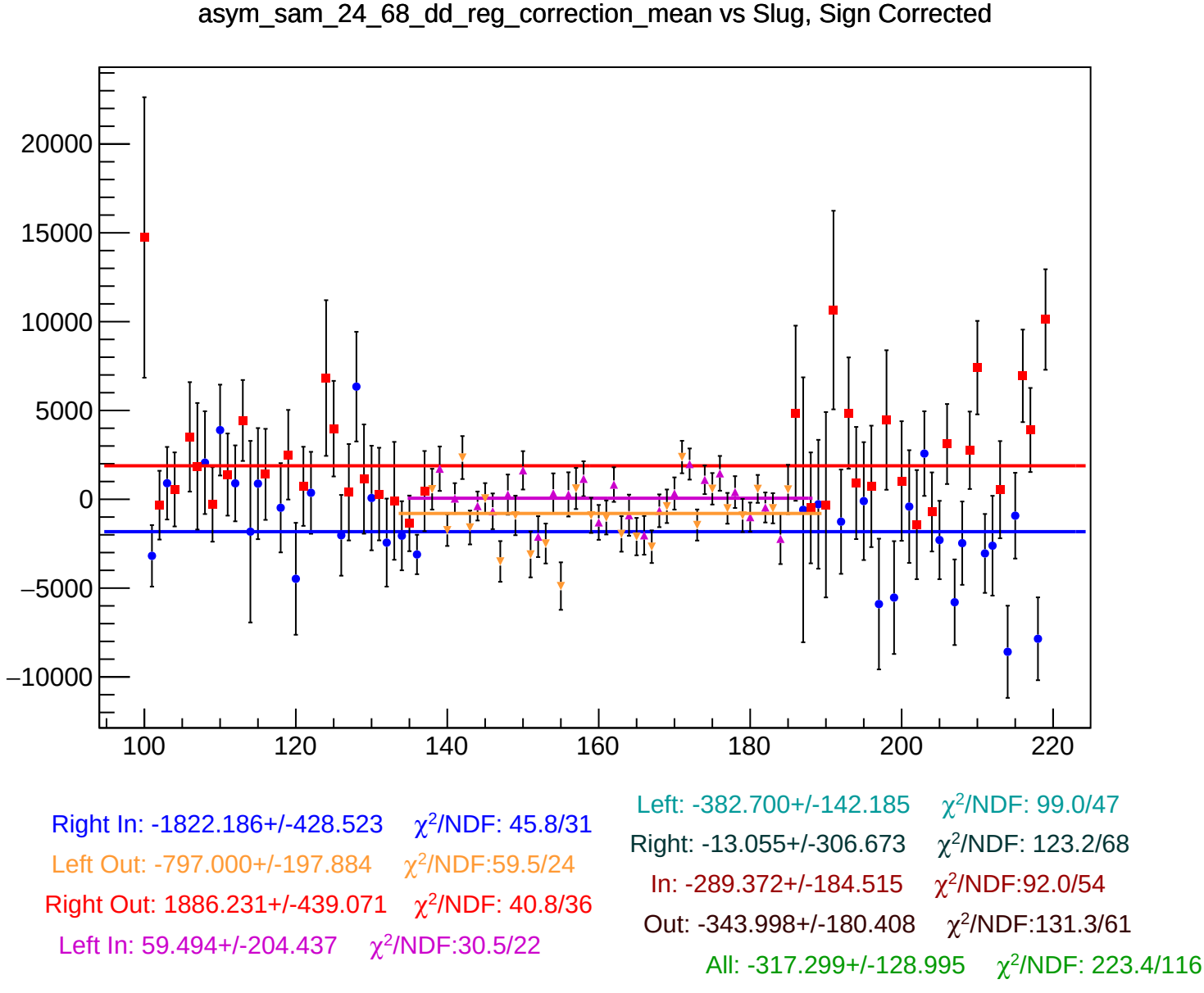
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

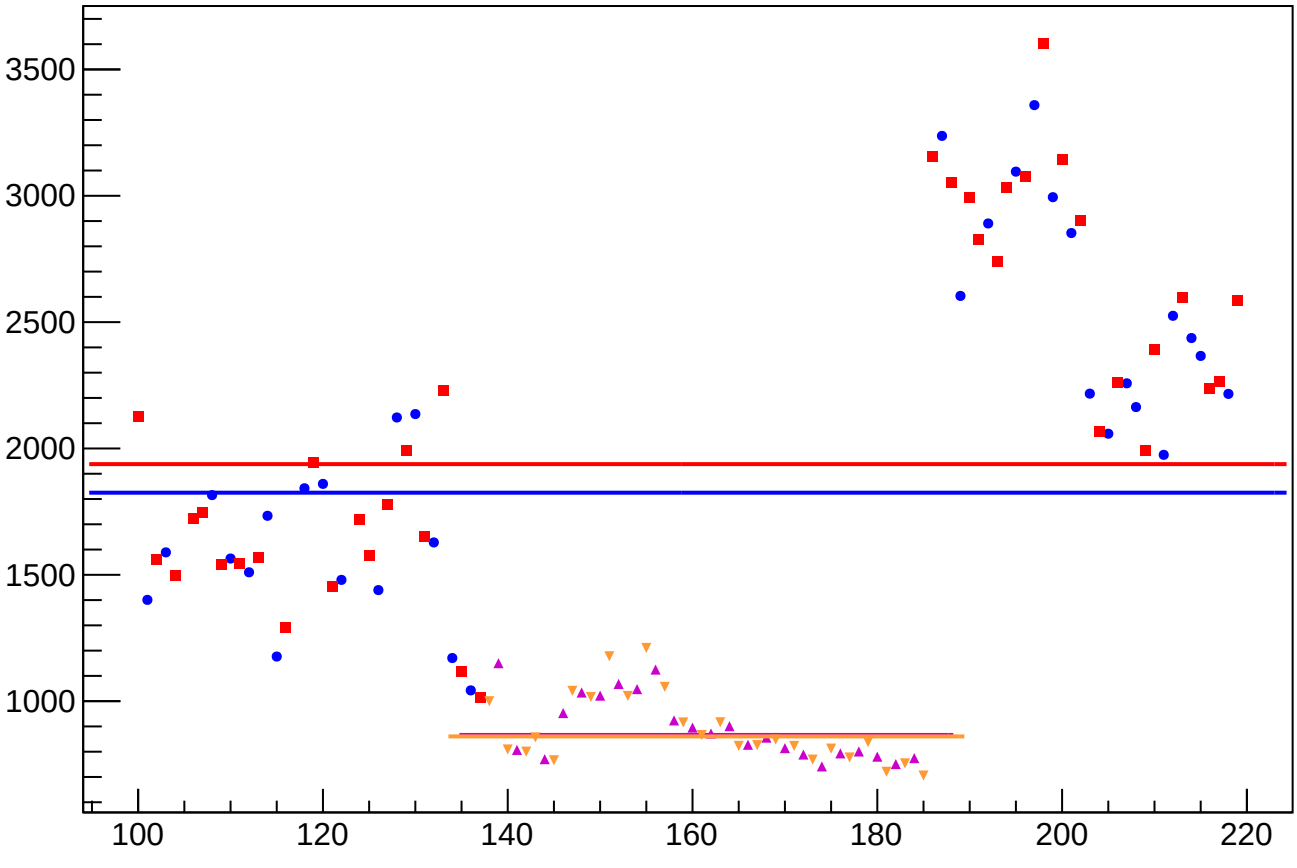
Right: 97.722+/-0.011 χ^2/NDF: 2367384.4/68

In: 85.785+/-0.010 χ^2/NDF:1932041.0/54

Out: 86.931+/-0.010 χ^2/NDF:2784420.7/61

All: 86.365+/-0.007 χ^2/NDF: 4723204.6/116


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: -1822.186+/-428.523 χ²/NDF: 45.8/31
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1886.231+/-439.071 χ²/NDF: 40.8/36
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -13.055+/-306.673 χ²/NDF: 123.2/68
In: -289.372+/-184.515 χ²/NDF:92.0/54
Out: -343.998+/-180.408 χ²/NDF:131.3/61
All: -317.299+/-128.995 χ²/NDF: 223.4/116



Right In: 1825.066+/-0.303 χ^2/NDF: 3805067.6/31

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1938.067+/-0.310 χ^2/NDF: 3871029.5/36

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

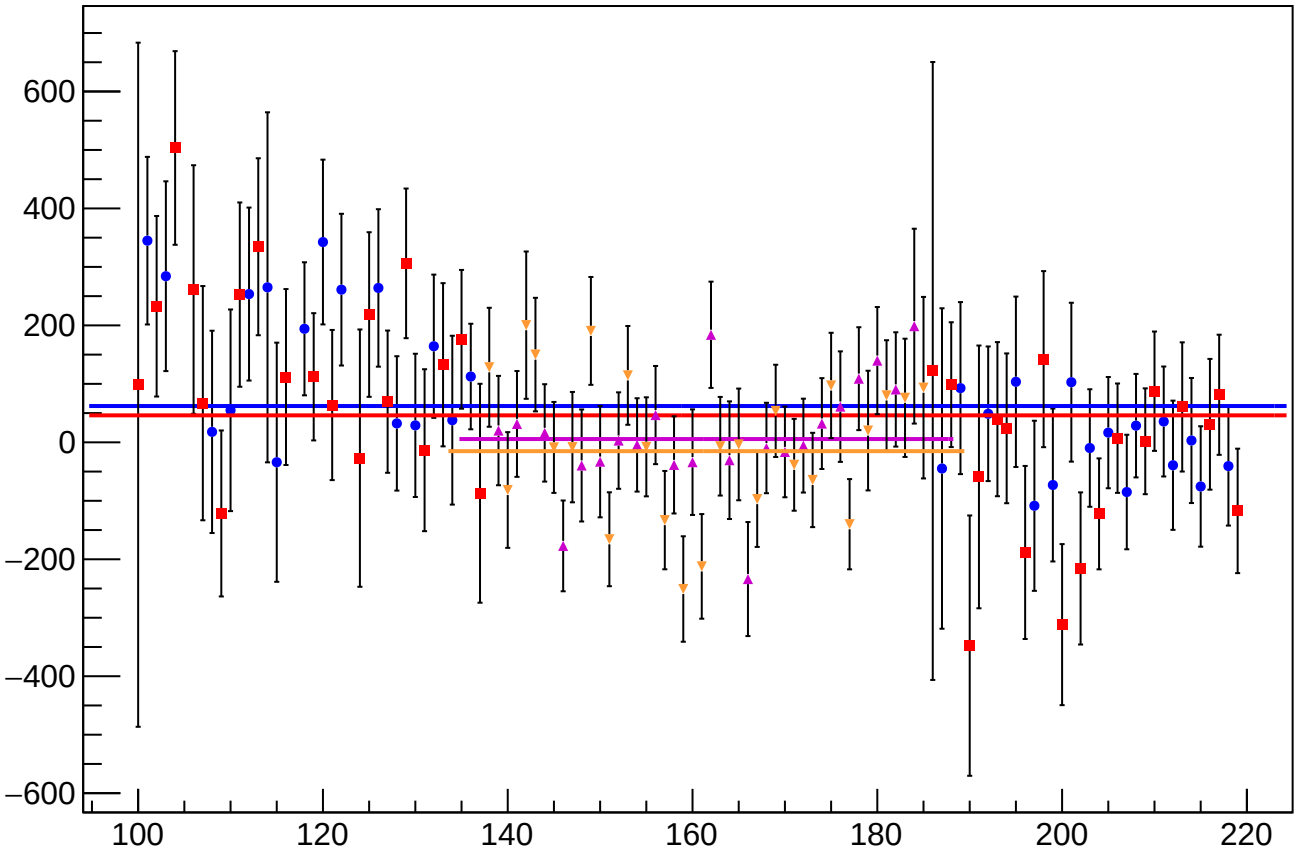
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1880.193+/-0.217 χ^2/NDF: 7743943.0/68

In: 1044.098+/-0.130 χ^2/NDF:12572942.9/54

Out: 1042.416+/-0.128 χ^2/NDF:14582877.3/61

All: 1043.238+/-0.091 χ^2/NDF: 27155905.2/1



Right In: 62.070+/-21.753 χ^2/NDF: 29.3/31

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 46.141+/-21.852 χ^2/NDF: 49.1/36

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

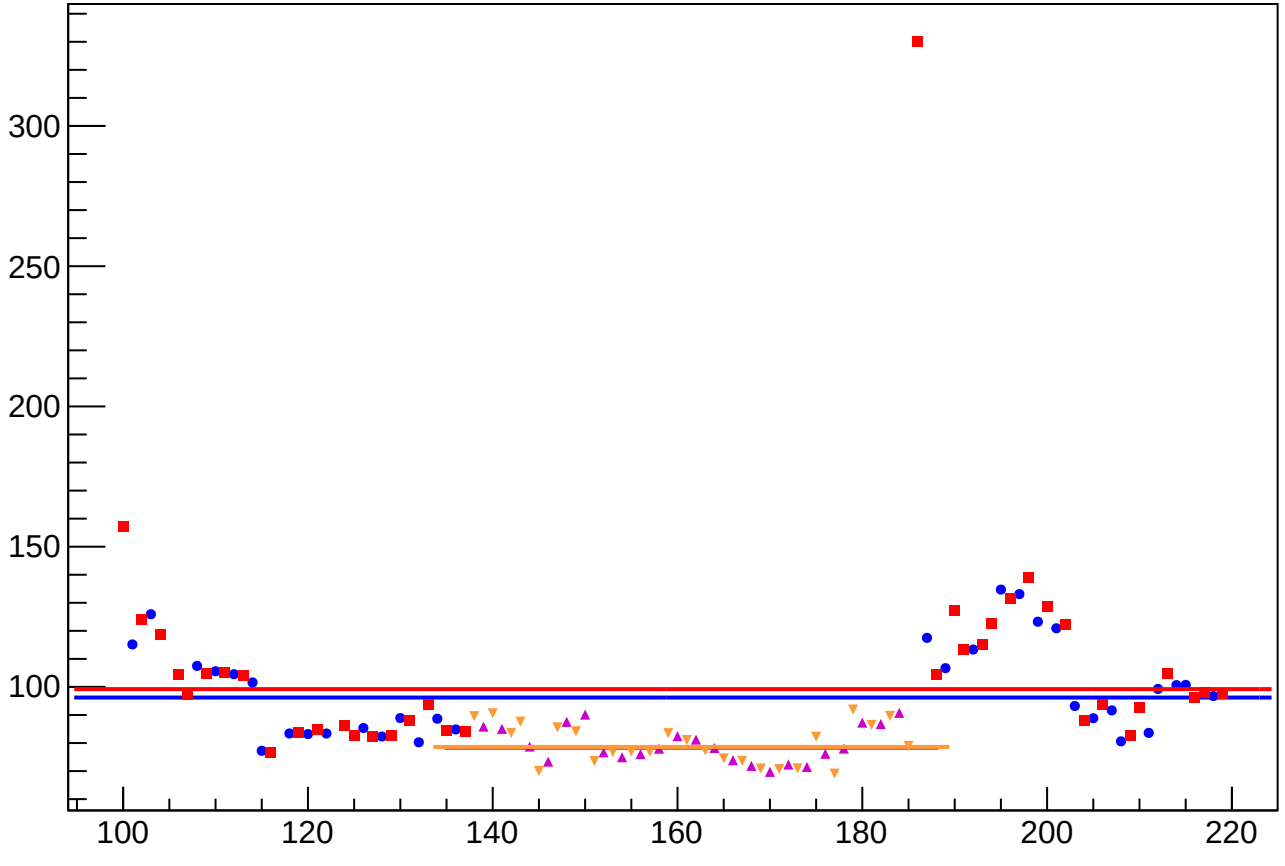
Right: 54.142+/-15.416 χ^2/NDF: 78.6/68

In: 29.140+/-14.040 χ^2/NDF:56.2/54

Out: 9.587+/-13.873 χ^2/NDF:95.5/61

All: 19.247+/-9.868 χ^2/NDF: 152.6/116

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 96.218+/-0.015 χ^2/NDF: 934209.7/31

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 99.227+/-0.015 χ^2/NDF: 1413500.3/36

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

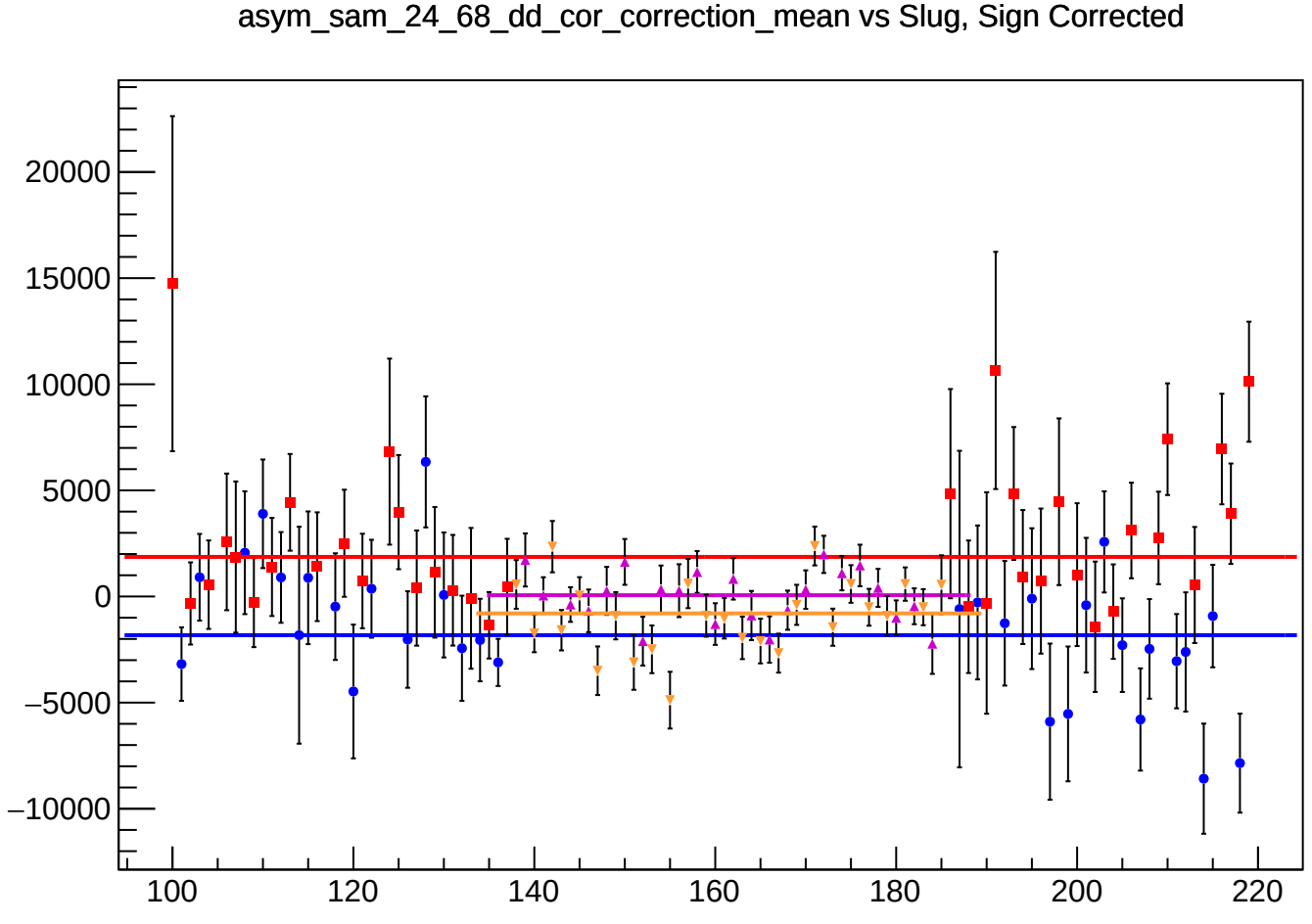
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 97.716+/-0.011 χ^2/NDF: 2366747.0/68

In: 85.785+/-0.010 χ^2/NDF:1932042.8/54

Out: 86.925+/-0.010 χ^2/NDF:2782563.1/61

All: 86.362+/-0.007 χ^2/NDF: 4721283.8/116



Right In: -1822.175+/-428.524 χ^2/NDF: 45.8/31

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1866.204+/-439.456 χ^2/NDF: 40.6/36

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

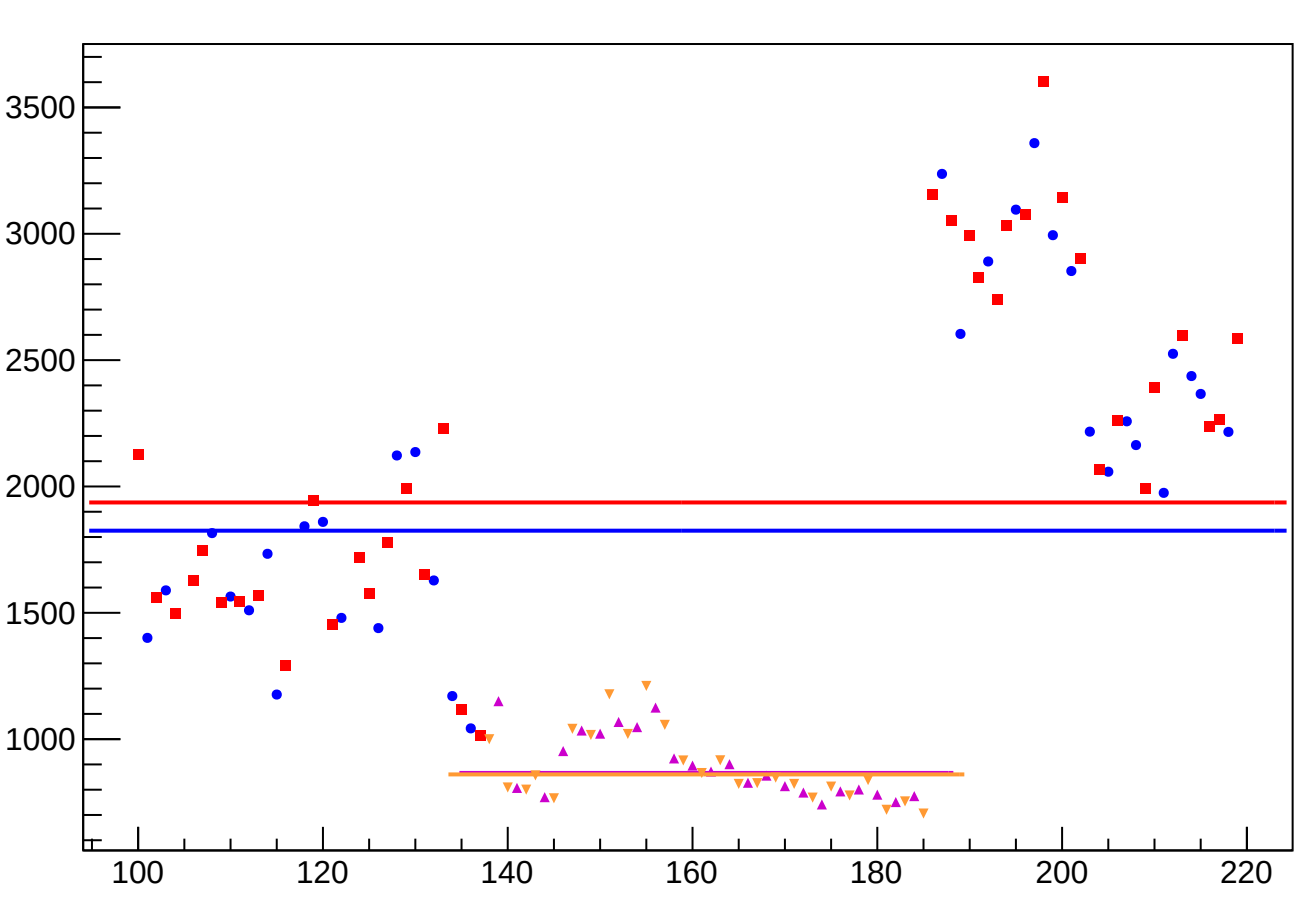
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -24.431+/-306.804 χ^2/NDF: 122.5/68

In: -289.369+/-184.515 χ^2/NDF:92.0/54

Out: -348.033+/-180.435 χ^2/NDF:130.6/61

All: -319.357+/-129.005 χ^2/NDF: 222.6/116



Right In: 1825.070+/-0.303 χ^2/NDF: 3805052.3/31

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1936.734+/-0.311 χ^2/NDF: 3879392.6/36

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

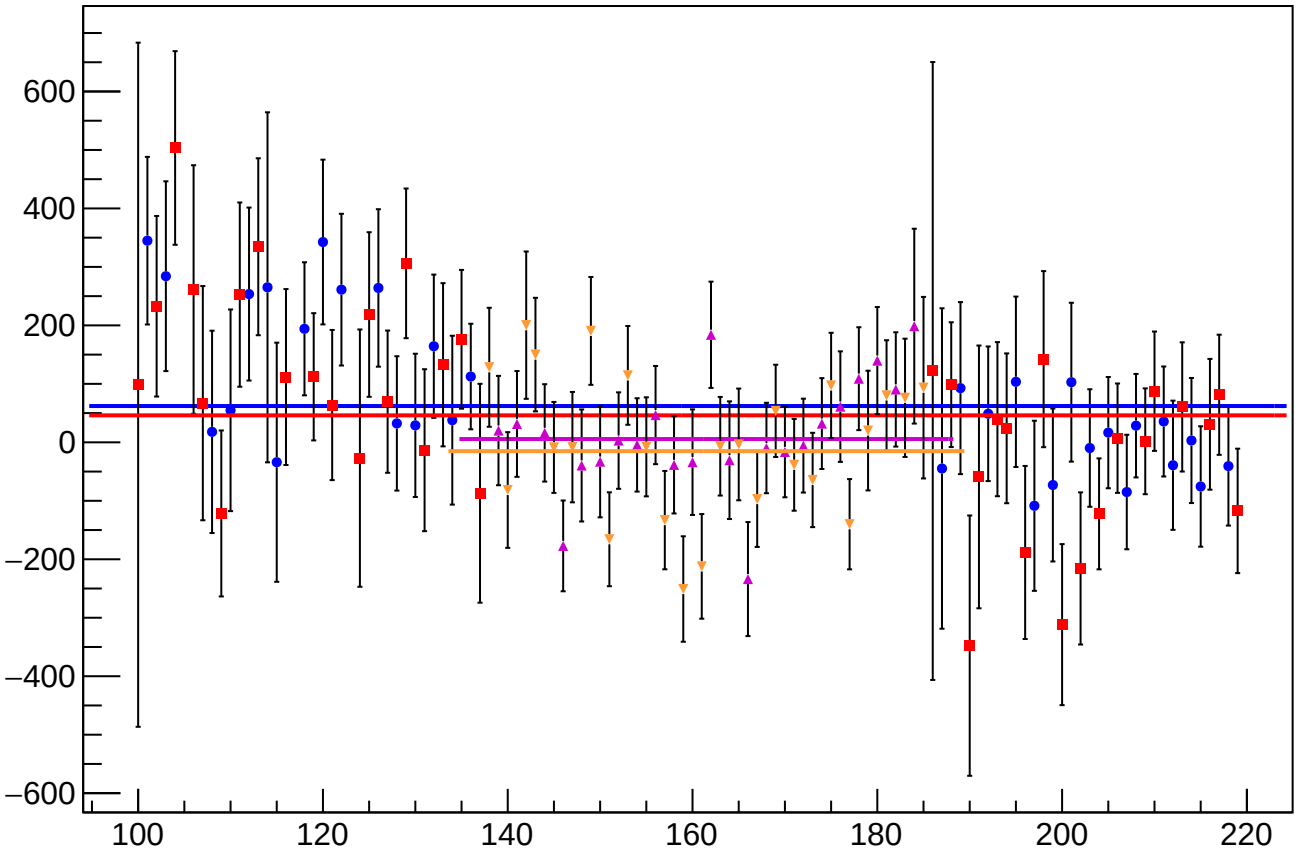
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1879.496+/-0.217 χ^2/NDF: 7750635.4/68

In: 1044.099+/-0.130 χ^2/NDF:12572955.4/54

Out: 1041.927+/-0.128 χ^2/NDF:14551938.6/61

All: 1042.988+/-0.091 χ^2/NDF: 27125035.7/1



Right In: 62.070+/-21.753 χ^2/NDF: 29.3/31

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 46.141+/-21.852 χ^2/NDF: 49.1/36

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

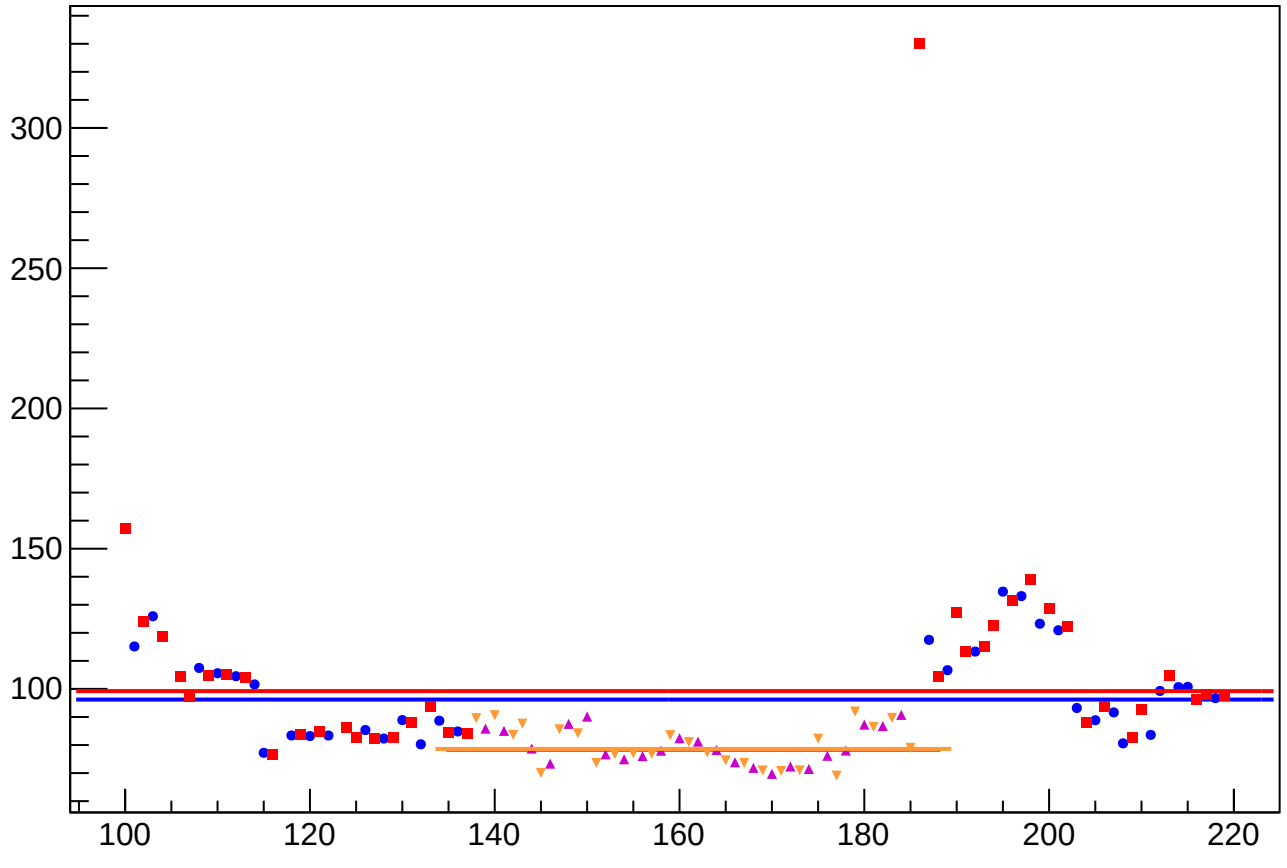
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 54.142+/-15.416 χ^2/NDF: 78.6/68

In: 29.140+/-14.040 χ^2/NDF:56.2/54

Out: 9.587+/-13.873 χ^2/NDF:95.5/61

All: 19.247+/-9.868 χ^2/NDF: 152.6/116



Right In: 96.218+/-0.015 χ^2/NDF: 934209.7/31

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 99.227+/-0.015 χ^2/NDF: 1413500.3/36

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

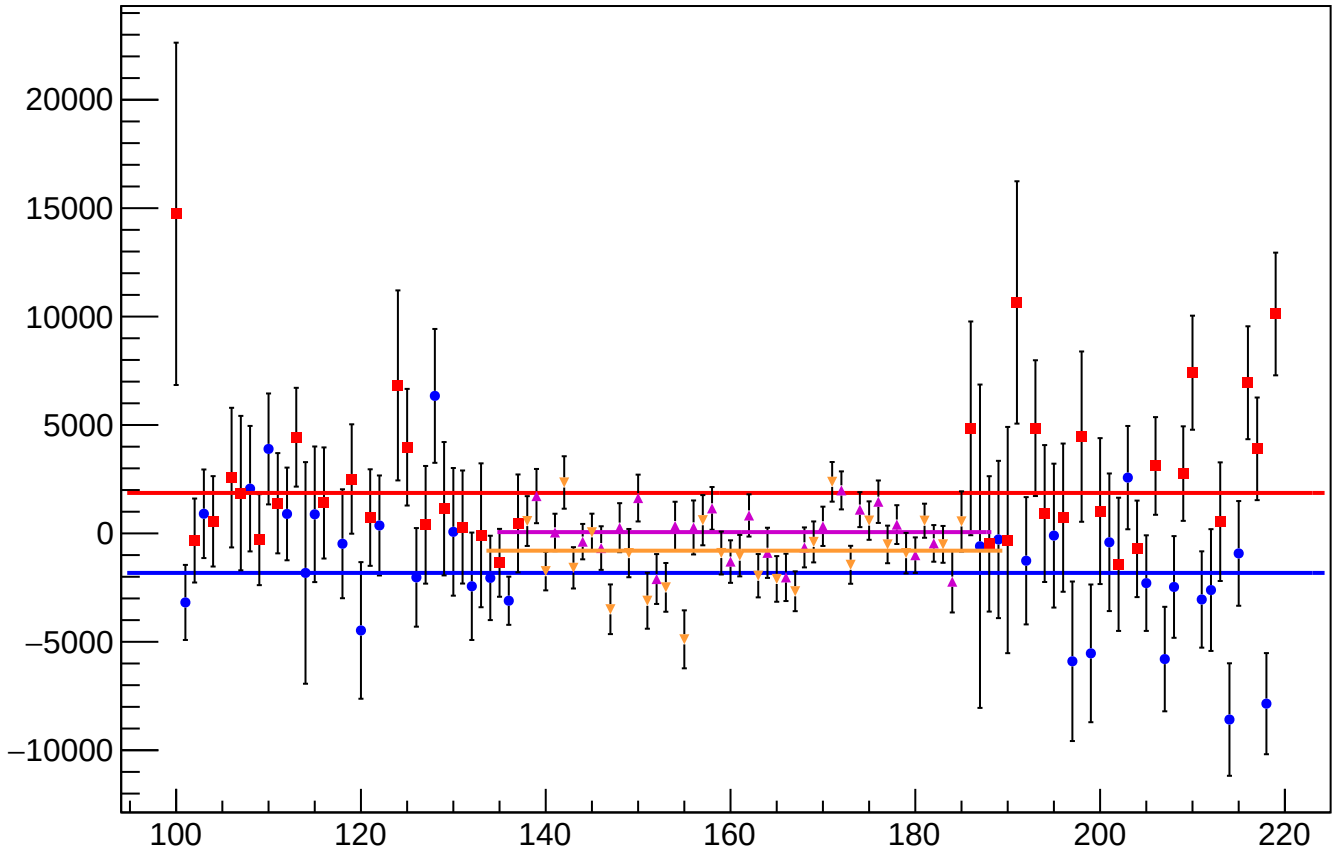
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 97.716+/-0.011 χ^2/NDF: 2366747.0/68

In: 85.785+/-0.010 χ^2/NDF:1932042.8/54

Out: 86.925+/-0.010 χ^2/NDF:2782563.1/61

All: 86.362+/-0.007 χ^2/NDF: 4721283.8/116



Right In: -1822.175+/-428.524 χ^2/NDF: 45.8/31

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1866.204+/-439.456 χ^2/NDF: 40.6/36

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

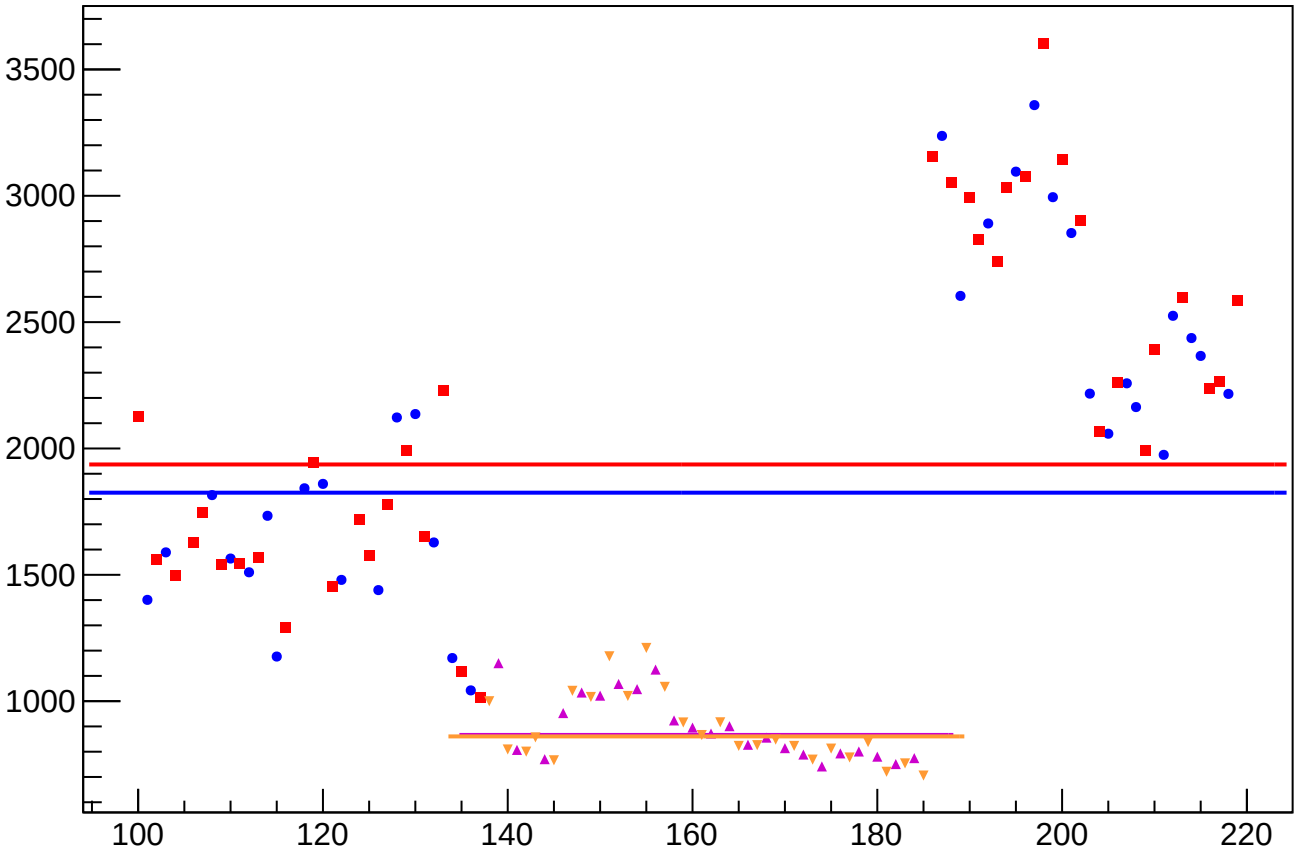
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -24.431+/-306.804 χ^2/NDF: 122.5/68

In: -289.369+/-184.515 χ^2/NDF:92.0/54

Out: -348.033+/-180.435 χ^2/NDF:130.6/61

All: -319.357+/-129.005 χ^2/NDF: 222.6/116



Right In: 1825.070+/-0.303 χ^2/NDF: 3805052.3/31

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1936.734+/-0.311 χ^2/NDF: 3879392.6/36

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

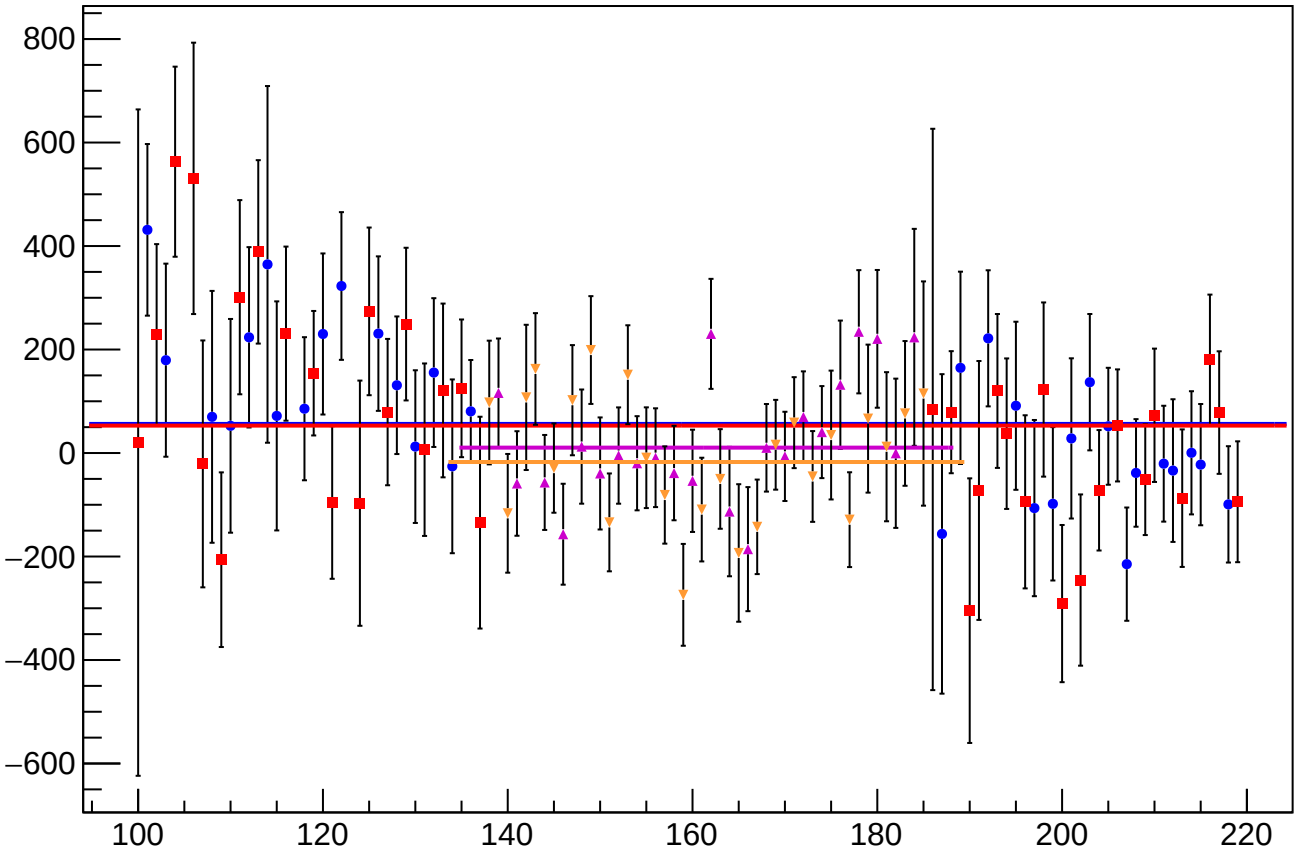
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1879.496+/-0.217 χ^2/NDF: 7750635.4/68

In: 1044.099+/-0.130 χ^2/NDF:12572955.4/54

Out: 1041.927+/-0.128 χ^2/NDF:14551938.6/61

All: 1042.988+/-0.091 χ^2/NDF: 27125035.7/1



Right In: 56.228+/-25.265 χ^2/NDF: 29.9/31

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 52.986+/-25.264 χ^2/NDF: 45.8/36

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

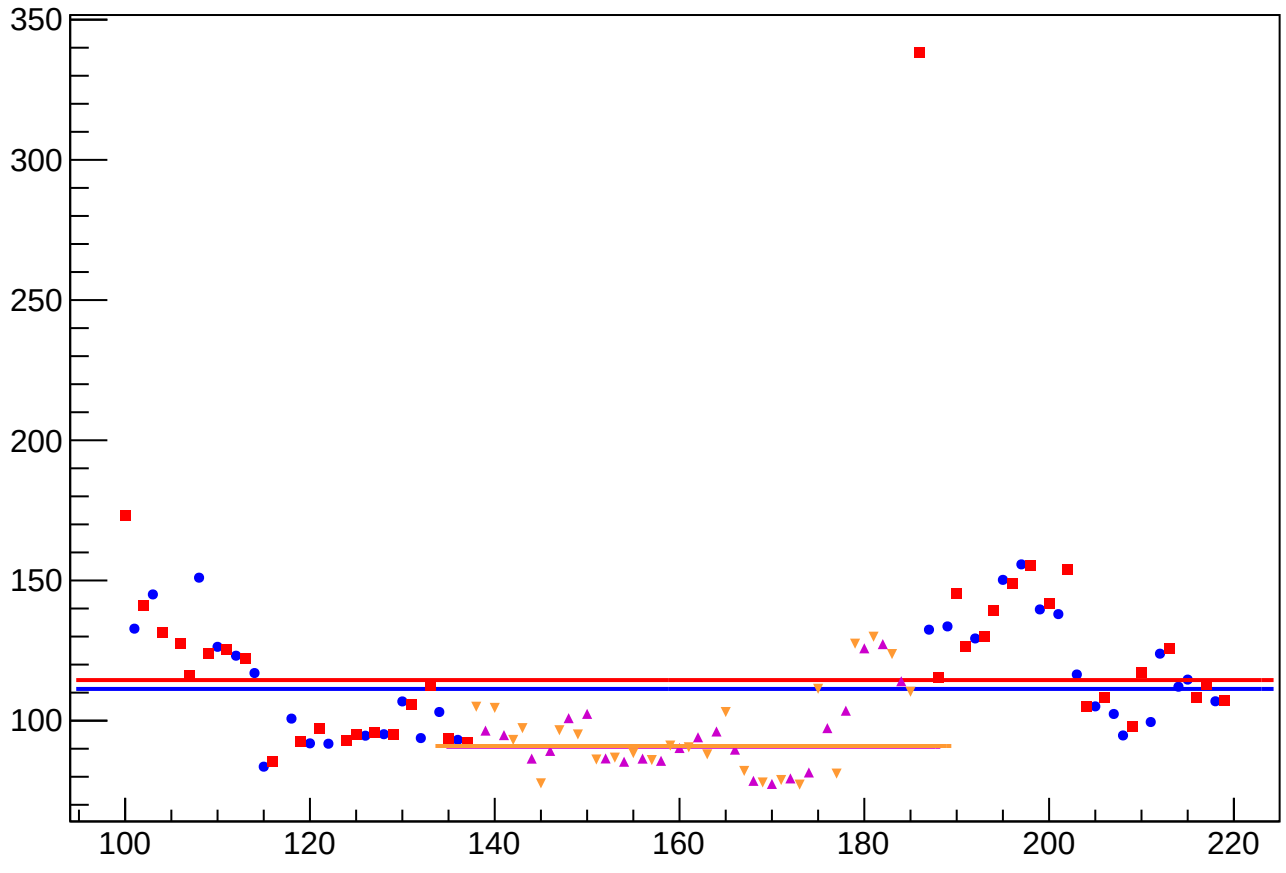
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 54.607+/-17.865 χ^2/NDF: 75.7/68

In: 29.658+/-16.375 χ^2/NDF:54.4/54

Out: 11.364+/-16.143 χ^2/NDF:81.6/61

All: 20.381+/-11.496 χ^2/NDF: 136.6/116



Right In: 111.320+/-0.018 χ^2/NDF: 1018046.7/31

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 114.482+/-0.018 χ^2/NDF: 1377595.8/36

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

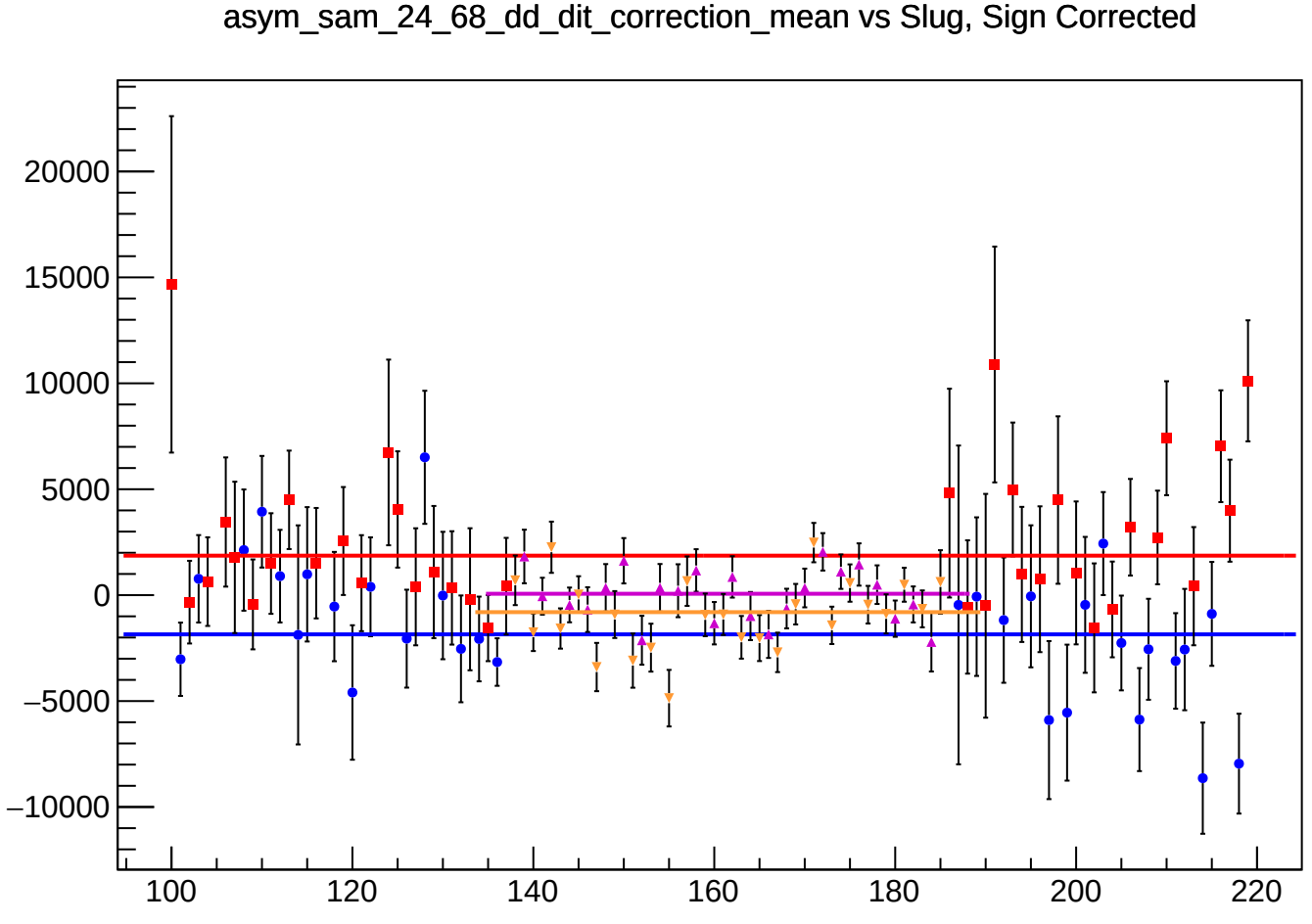
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 112.901+/-0.013 χ^2/NDF: 2411305.5/68

In: 99.356+/-0.012 χ^2/NDF:2337337.9/54

Out: 100.568+/-0.011 χ^2/NDF:3187349.6/61

All: 99.971+/-0.008 χ^2/NDF: 5530241.1/116



Right In: -1850.714+/-434.432 χ^2/NDF: 45.2/31

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: 1863.935+/-443.898 χ^2/NDF: 41.4/36

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

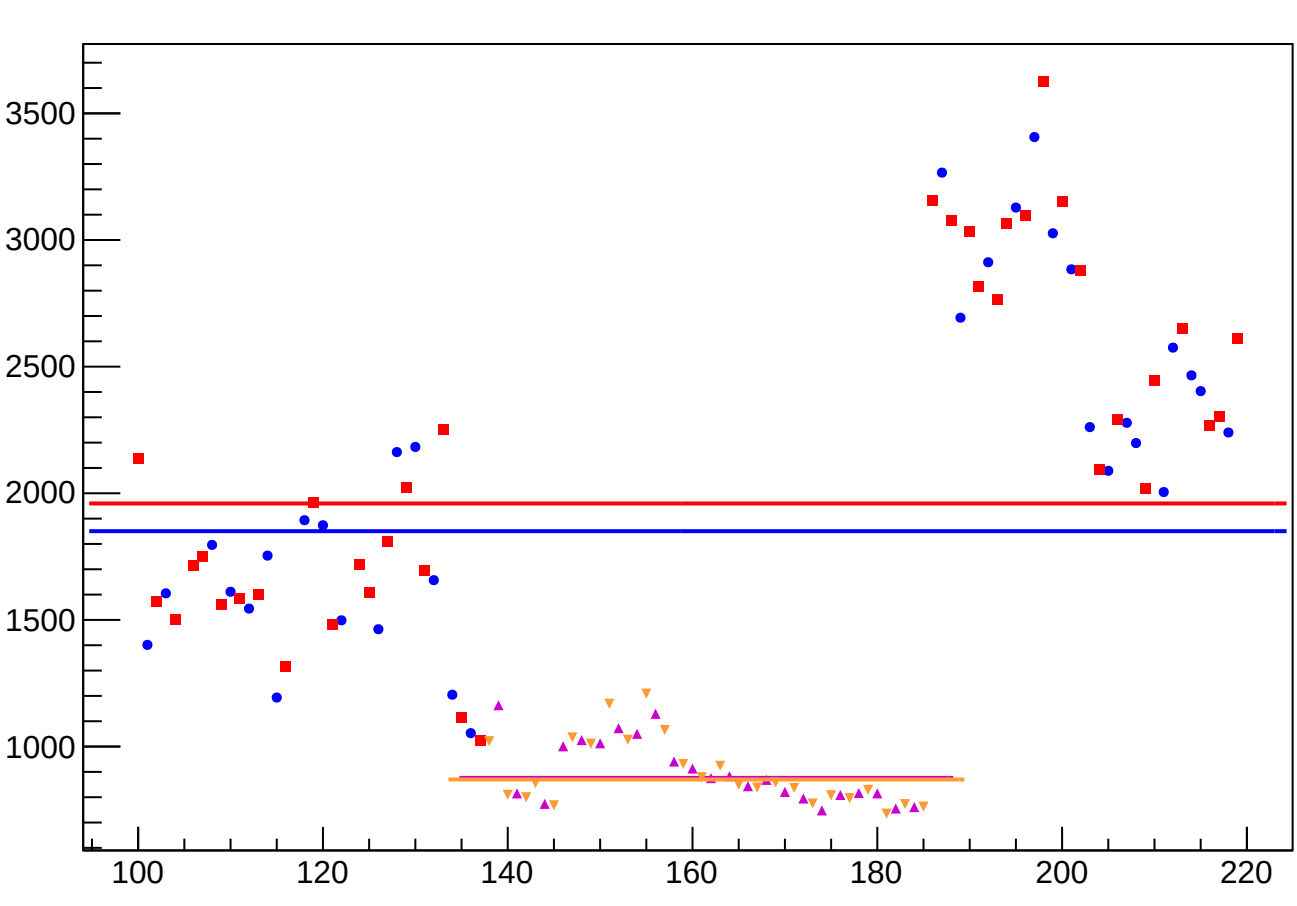
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -33.416+/-310.482 χ^2/NDF: 122.4/68

In: -288.383+/-186.633 χ^2/NDF:91.8/54

Out: -353.138+/-182.233 χ^2/NDF:129.8/61

All: -321.533+/-130.386 χ^2/NDF: 221.6/116



Right In: 1850.450+/-0.307 χ^2/NDF: 3816530.5/31

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1959.867+/-0.314 χ^2/NDF: 3861827.9/36

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

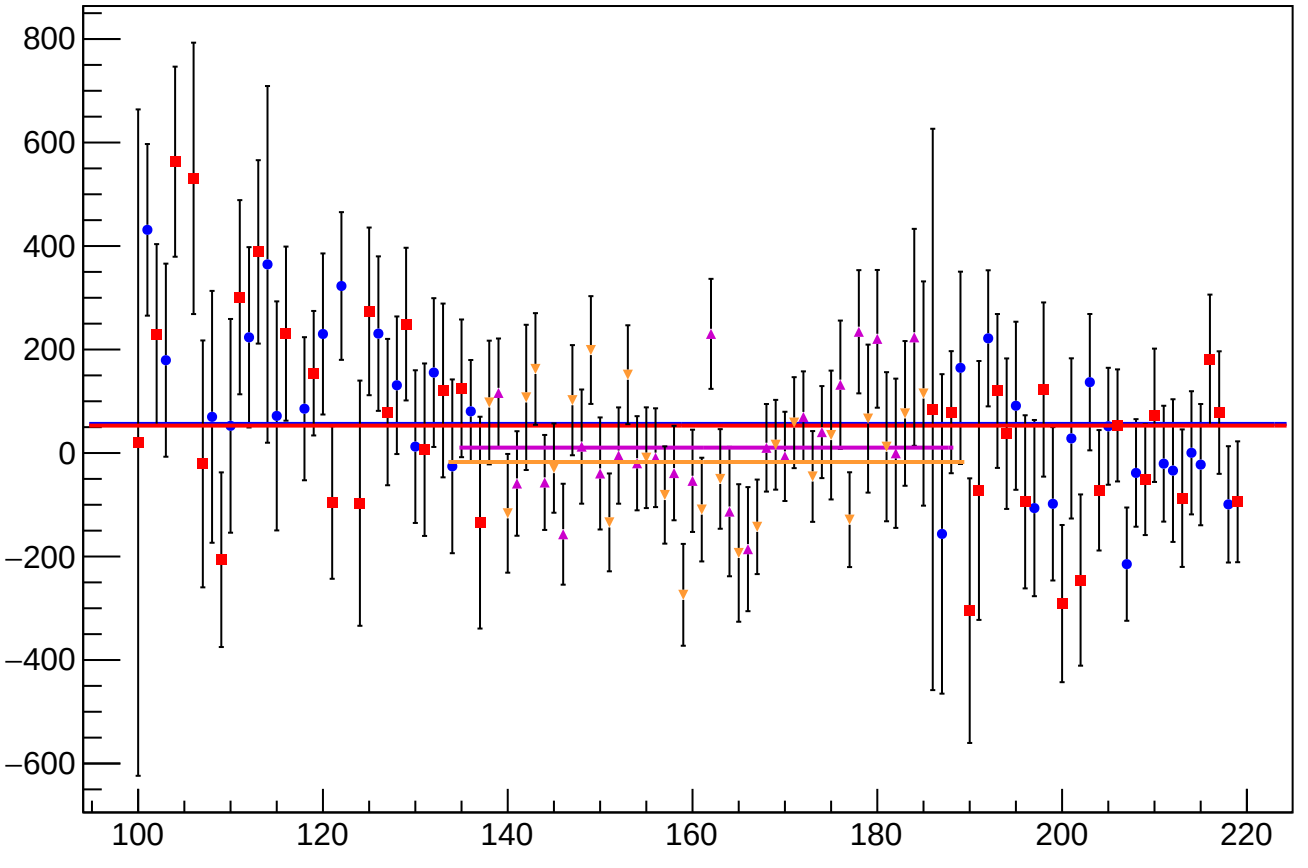
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1903.979+/-0.220 χ^2/NDF: 7740426.1/68

In: 1056.066+/-0.132 χ^2/NDF:12614487.2/54

Out: 1053.688+/-0.129 χ^2/NDF:14533267.7/61

All: 1054.848+/-0.092 χ^2/NDF: 27147921.0/1



Right In: 56.232+/-25.265 χ^2/NDF: 29.9/31

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 52.983+/-25.264 χ^2/NDF: 45.8/36

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

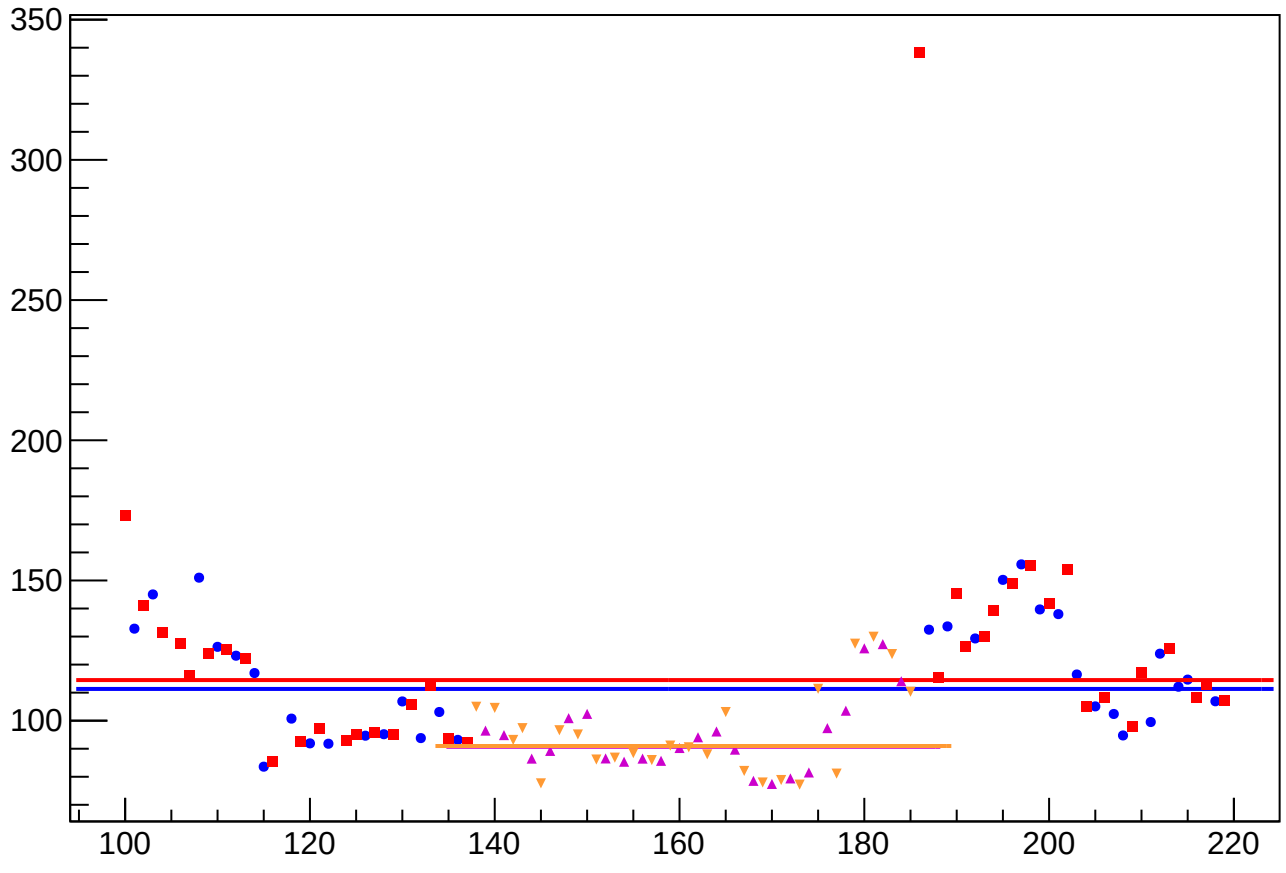
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 54.608+/-17.865 χ^2/NDF: 75.7/68

In: 29.660+/-16.375 χ^2/NDF:54.4/54

Out: 11.363+/-16.143 χ^2/NDF:81.6/61

All: 20.381+/-11.496 χ^2/NDF: 136.6/116



Right In: 111.320+/-0.018 χ^2/NDF: 1018060.7/31

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

Right Out: 114.482+/-0.018 χ^2/NDF: 1377614.9/36

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

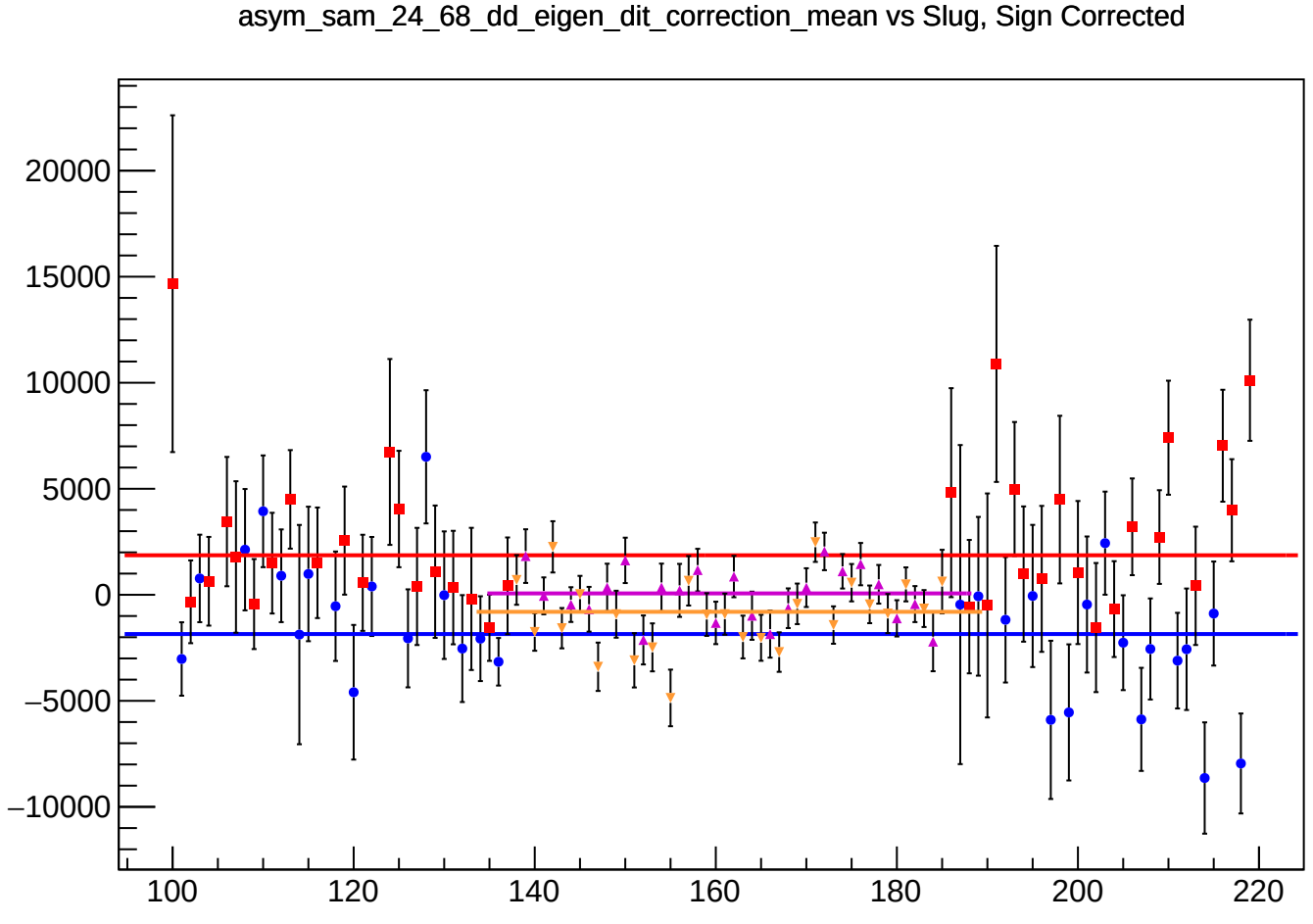
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

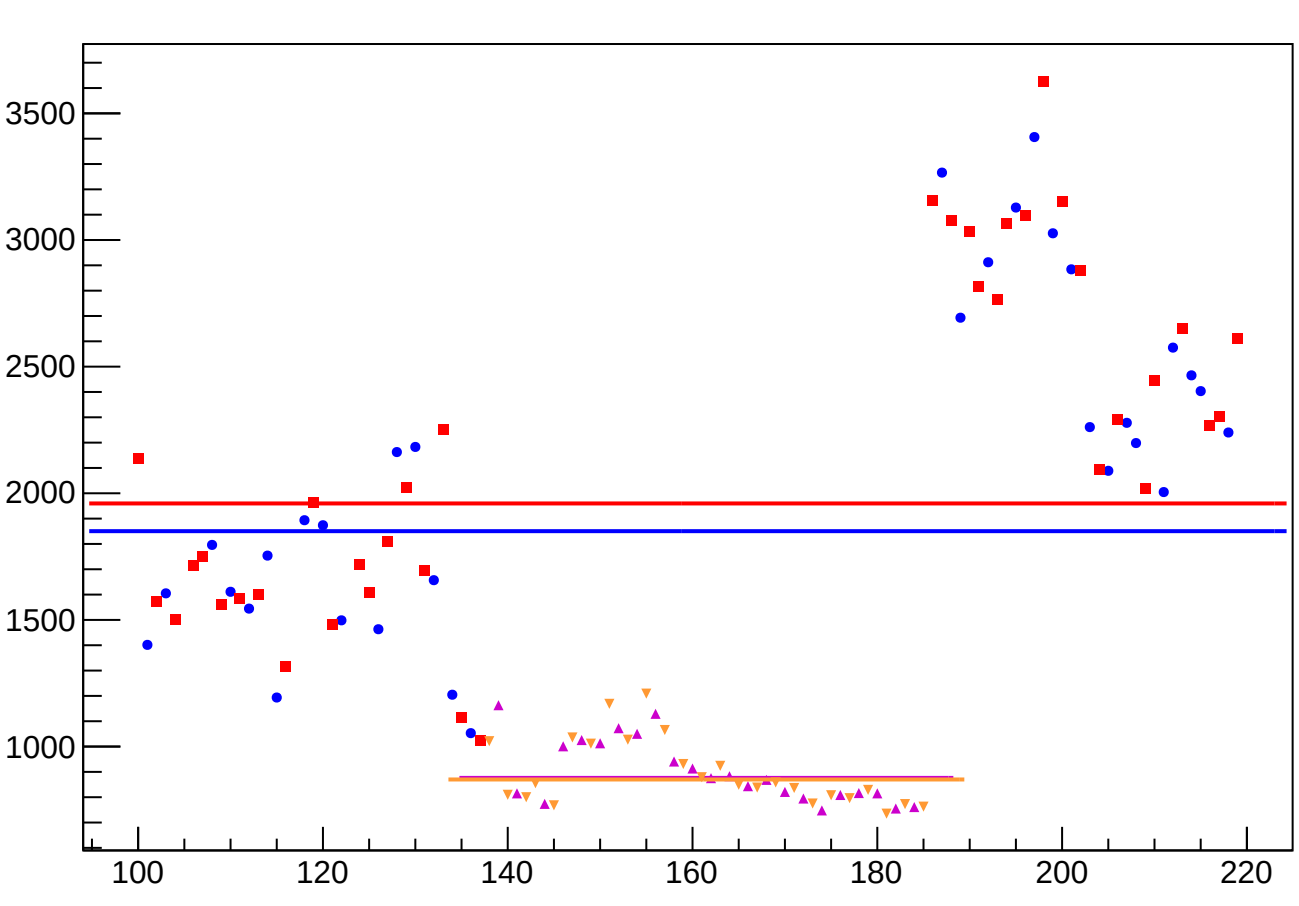
Right: 112.901+/-0.013 χ^2/NDF: 2411339.9/68

In: 99.356+/-0.012 χ^2/NDF:2337309.5/54

Out: 100.568+/-0.011 χ^2/NDF:3187333.7/61

All: 99.971+/-0.008 χ^2/NDF: 5530198.1/116


asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1850.710+/-434.432 χ²/NDF: 45.2/31
Left Out: -802.531+/-199.851 χ²/NDF:58.3/24
Right Out: 1863.931+/-443.897 χ²/NDF: 41.4/36
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -33.415+/-310.482 χ²/NDF: 122.4/68
In: -288.383+/-186.633 χ²/NDF:91.8/54
Out: -353.138+/-182.233 χ²/NDF:129.8/61
All: -321.533+/-130.386 χ²/NDF: 221.6/116



Right In: 1850.447+/-0.307 χ^2/NDF: 3816540.1/31

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1959.864+/-0.314 χ^2/NDF: 3861842.1/36

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

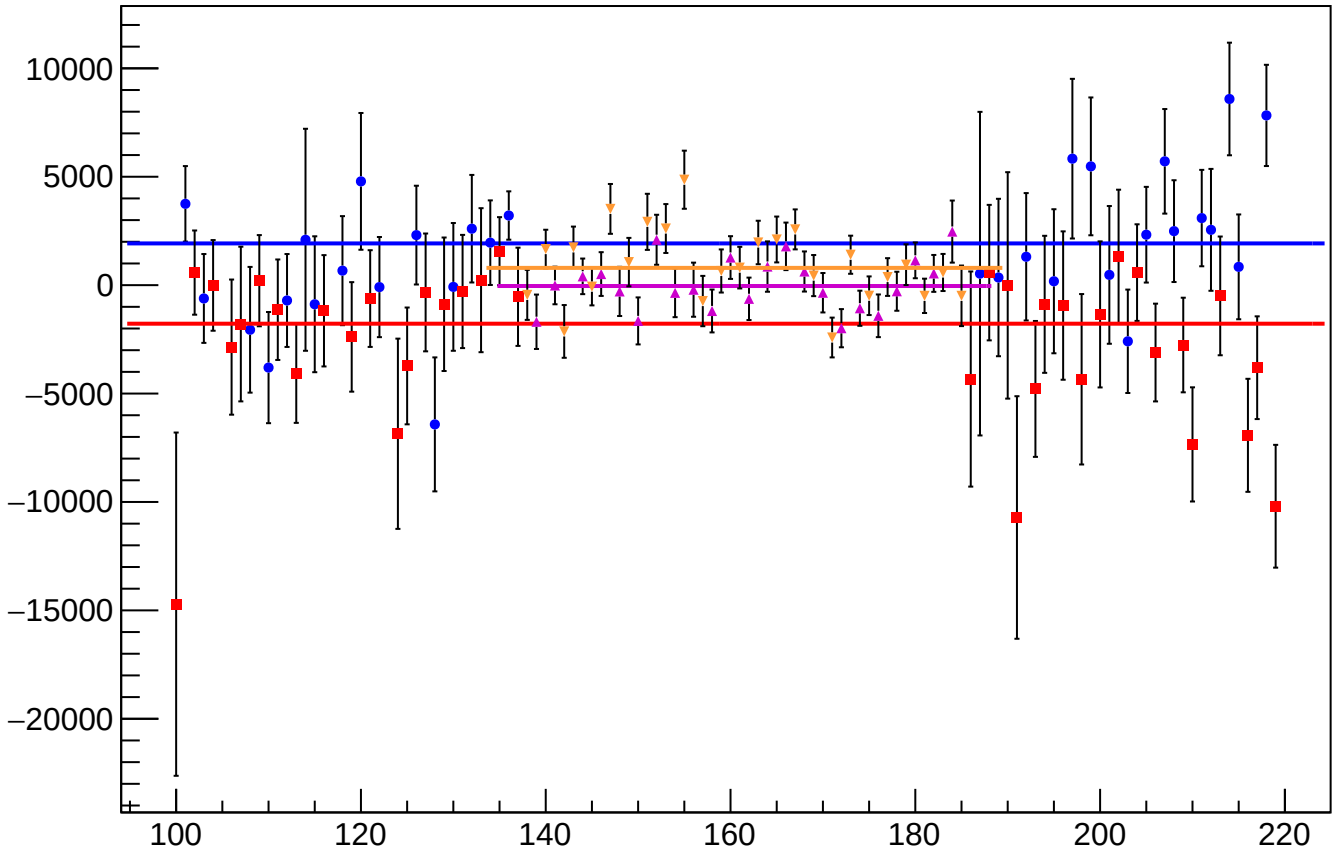
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1903.977+/-0.220 χ^2/NDF: 7740449.8/68

In: 1056.064+/-0.132 χ^2/NDF:12614487.3/54

Out: 1053.687+/-0.129 χ^2/NDF:14533268.6/61

All: 1054.848+/-0.092 χ^2/NDF: 27147922.0/1



Right In: 1924.922+/-429.392 χ^2/NDF: 45.6/31

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -1777.859+/-439.914 χ^2/NDF: 40.9/36

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

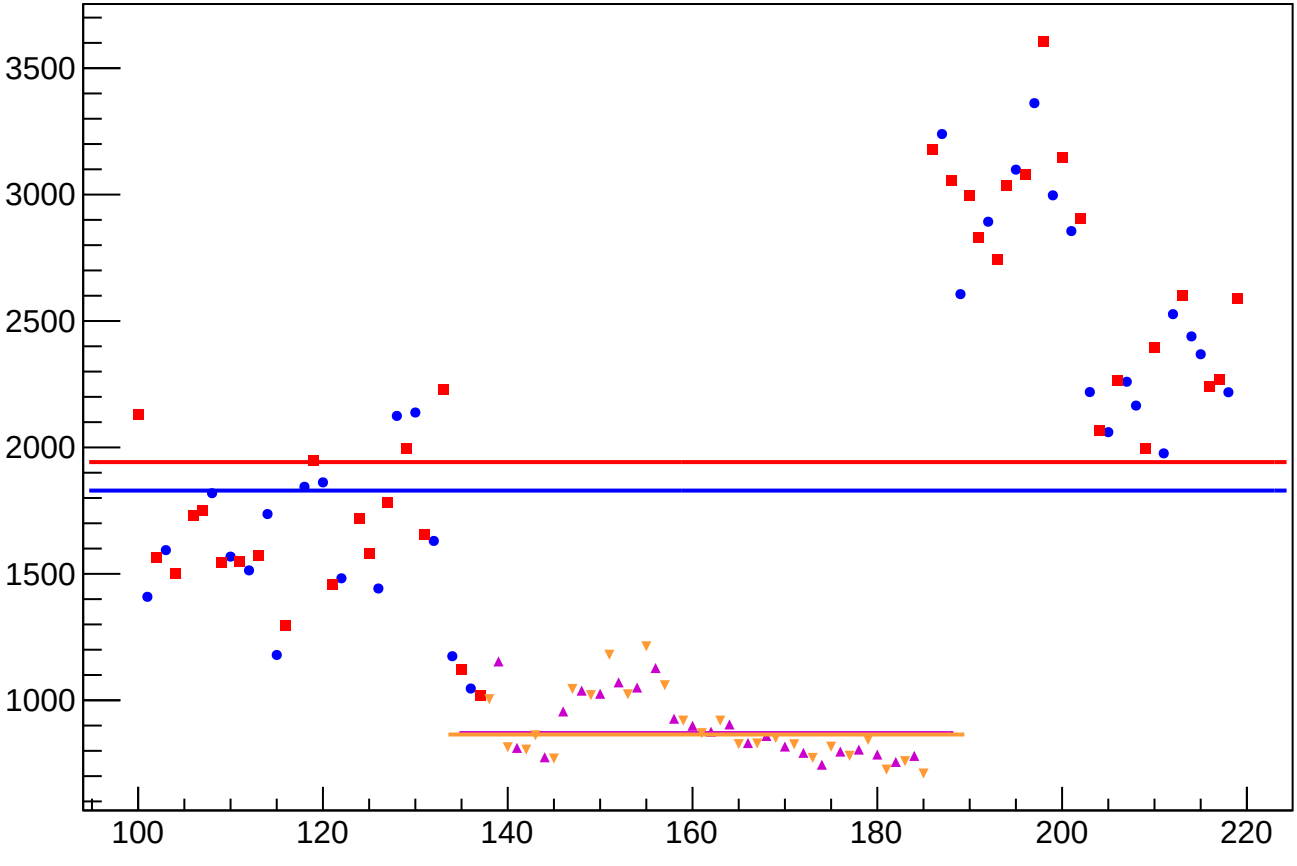
Right: 118.344+/-307.279 χ^2/NDF: 122.8/68

In: 325.950+/-185.255 χ^2/NDF:92.4/54

Out: 359.739+/-181.162 χ^2/NDF:126.6/61

All: 343.222+/-129.524 χ^2/NDF: 219.0/116

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1829.403+/-0.304 χ^2/NDF: 3781019.4/31

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1942.032+/-0.311 χ^2/NDF: 3854609.0/36

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

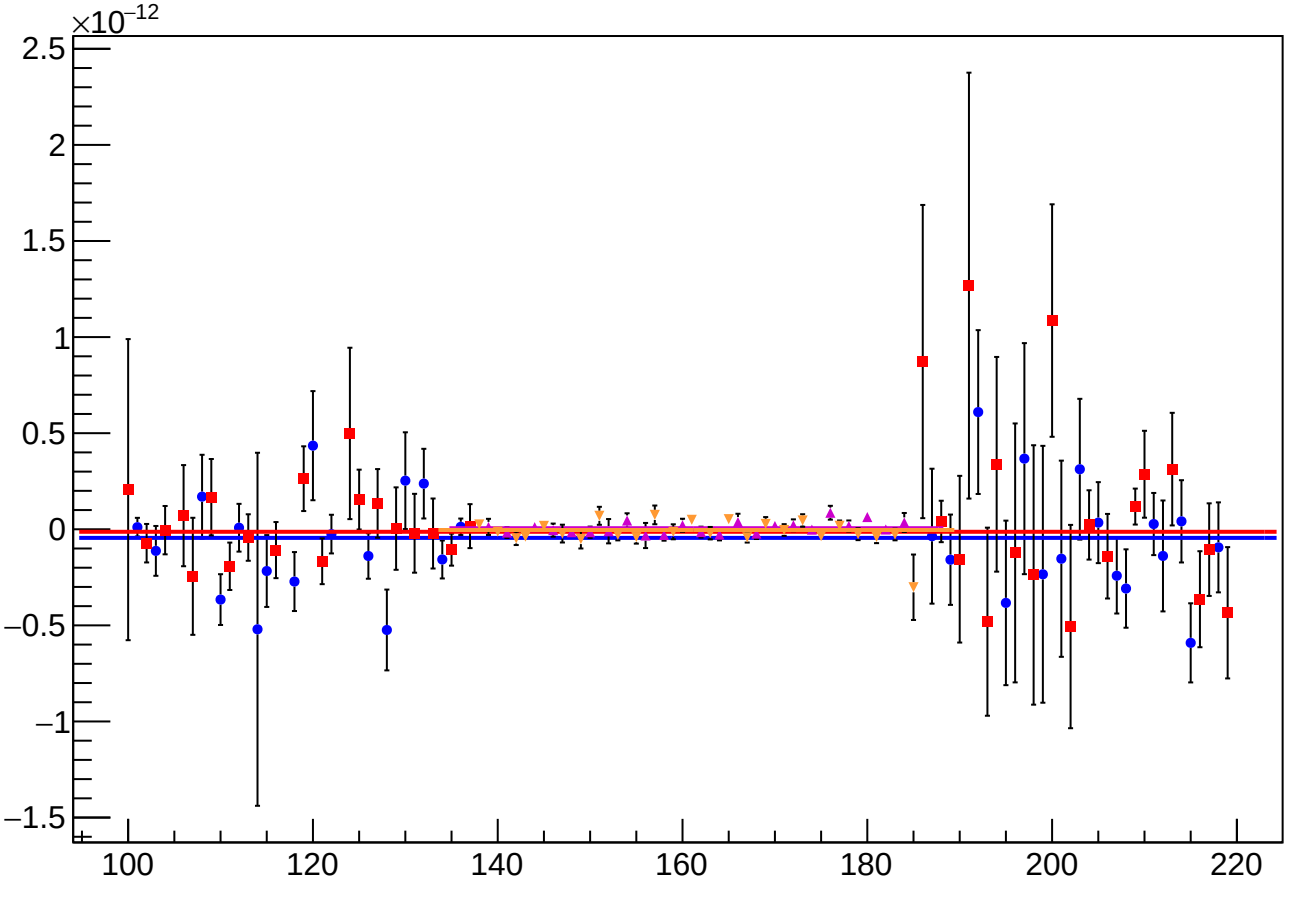
Right: 1884.354+/-0.217 χ^2/NDF: 7702764.8/68

In: 1048.861+/-0.131 χ^2/NDF:12505646.0/54

Out: 1047.351+/-0.128 χ^2/NDF:14505340.3/61

All: 1048.089+/-0.092 χ^2/NDF: 27011054.1/1

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 42.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.8/36

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

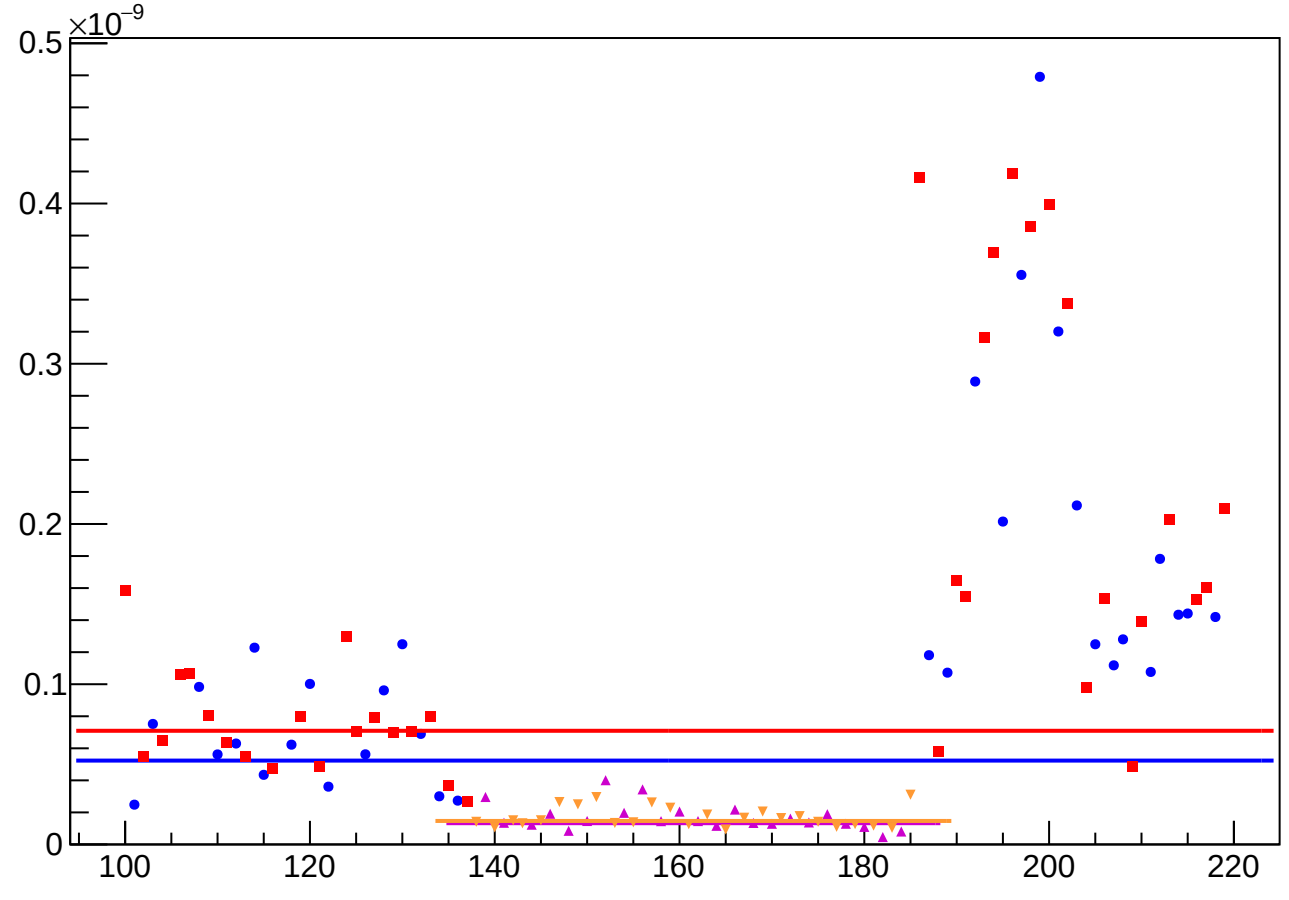
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 74.3/68

In: 0.000+/-0.000 χ^2/NDF:67.7/54

Out: -0.000+/-0.000 χ^2/NDF:69.7/61

All: -0.000+/-0.000 χ^2/NDF: 138.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 7646984.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6480825.8/36

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

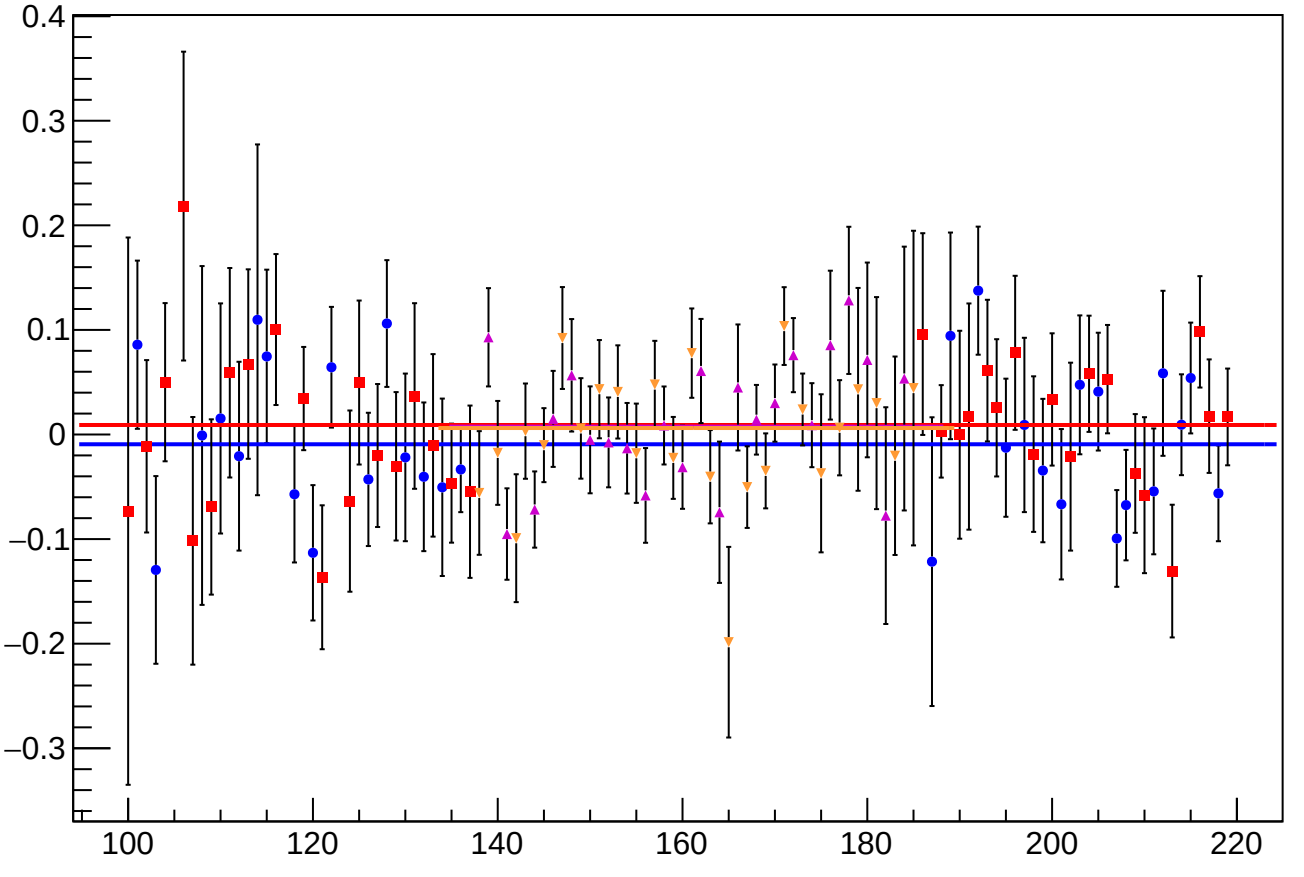
Right: 0.000+/-0.000 χ^2/NDF: 14636106.6/68

In: 0.000+/-0.000 χ^2/NDF:14870757.1/54

Out: 0.000+/-0.000 χ^2/NDF:14994066.3/61

All: 0.000+/-0.000 χ^2/NDF: 29918511.8/116

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.012 χ^2/NDF: 33.0/31

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.009+/-0.011 χ^2/NDF: 27.8/36

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

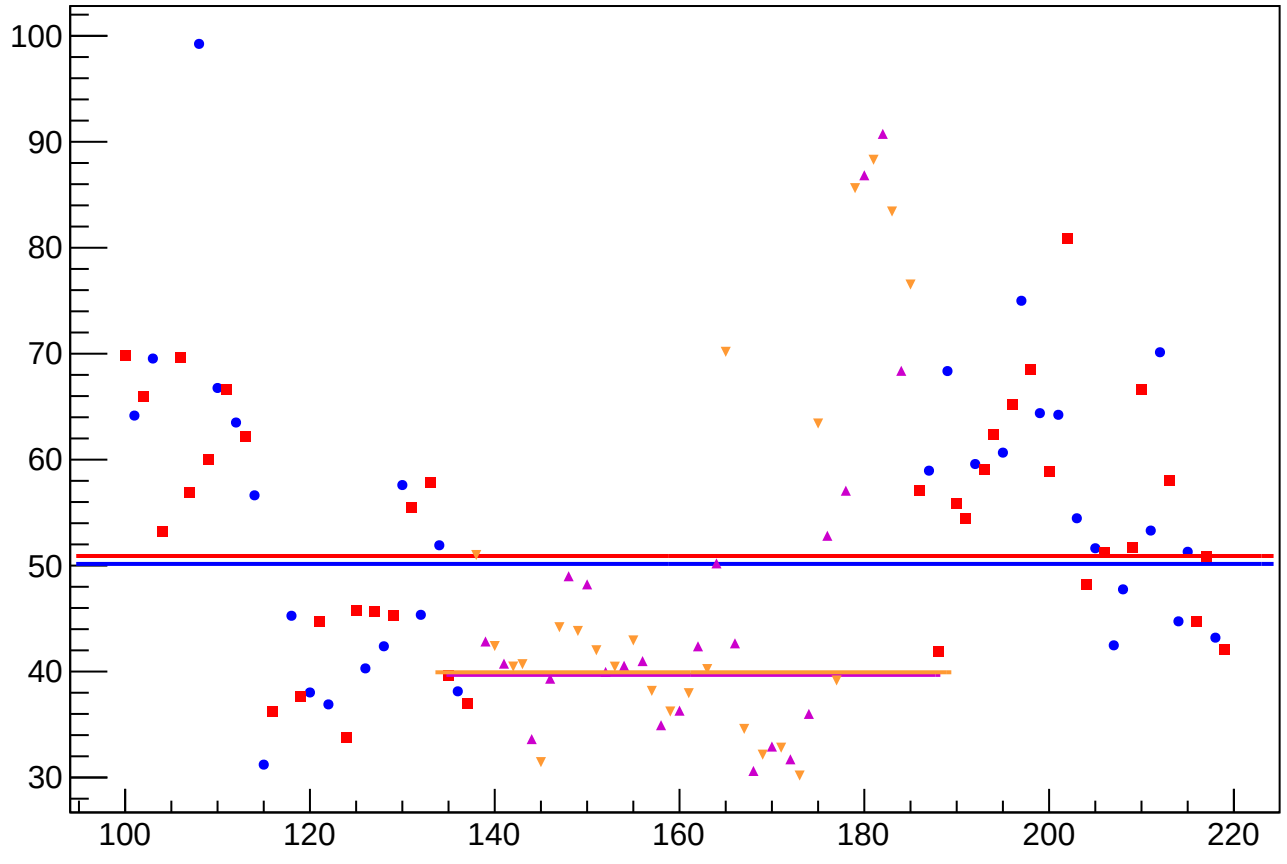
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: 0.000+/-0.008 χ^2/NDF: 62.1/68

In: 0.001+/-0.007 χ^2/NDF:64.7/54

Out: 0.007+/-0.007 χ^2/NDF:58.7/61

All: 0.004+/-0.005 χ^2/NDF: 123.8/116



Right In: 50.158+/-0.008 χ^2/NDF: 1792744.8/31

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 50.907+/-0.008 χ^2/NDF: 1575642.8/36

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

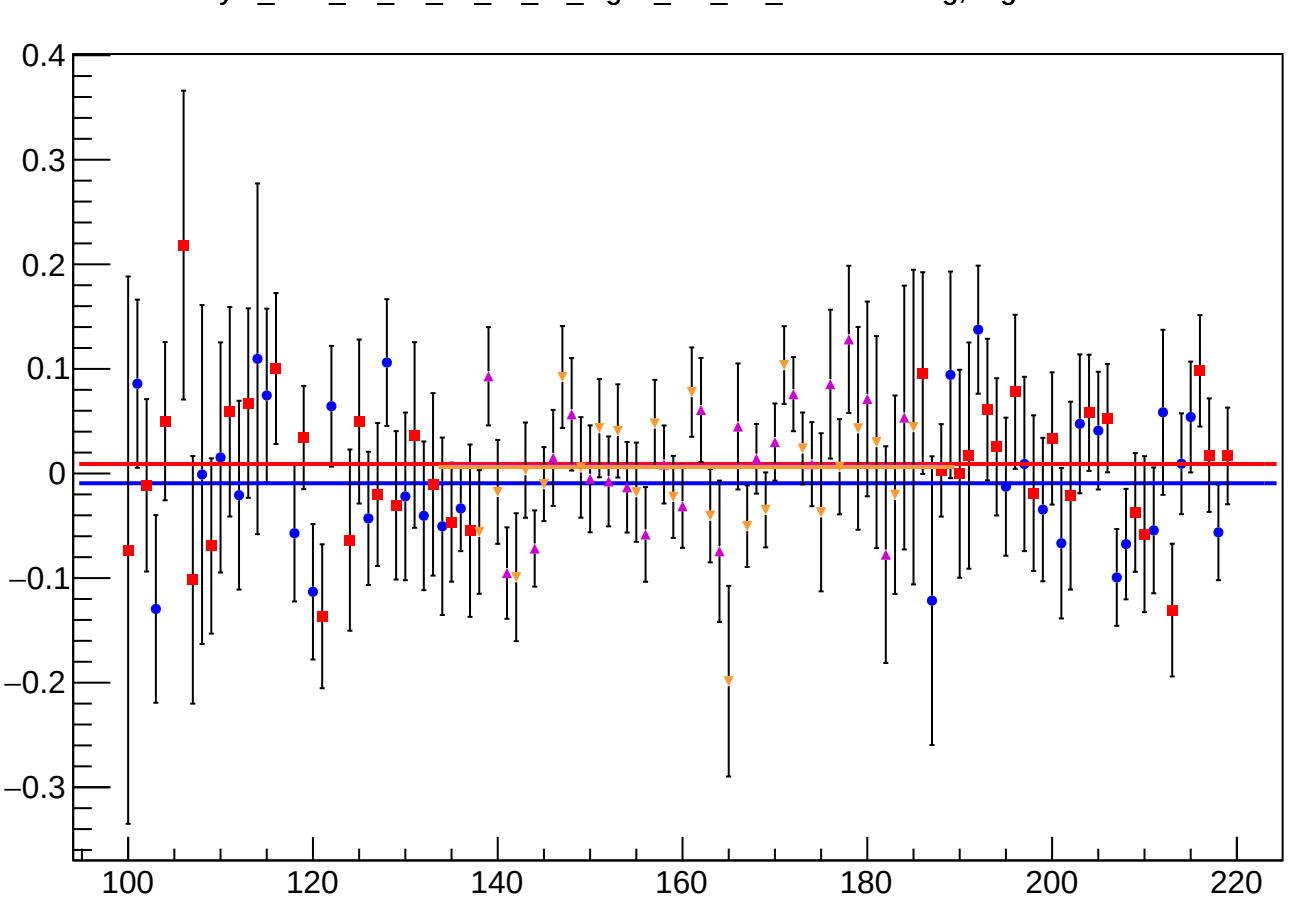
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.540+/-0.006 χ^2/NDF: 3372590.6/68

In: 44.009+/-0.005 χ^2/NDF:4656334.4/54

Out: 44.452+/-0.005 χ^2/NDF:5134574.4/61

All: 44.235+/-0.004 χ^2/NDF: 9794470.3/116



Right In: -0.009+/-0.012 χ^2/NDF: 33.0/31

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.009+/-0.011 χ^2/NDF: 27.8/36

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

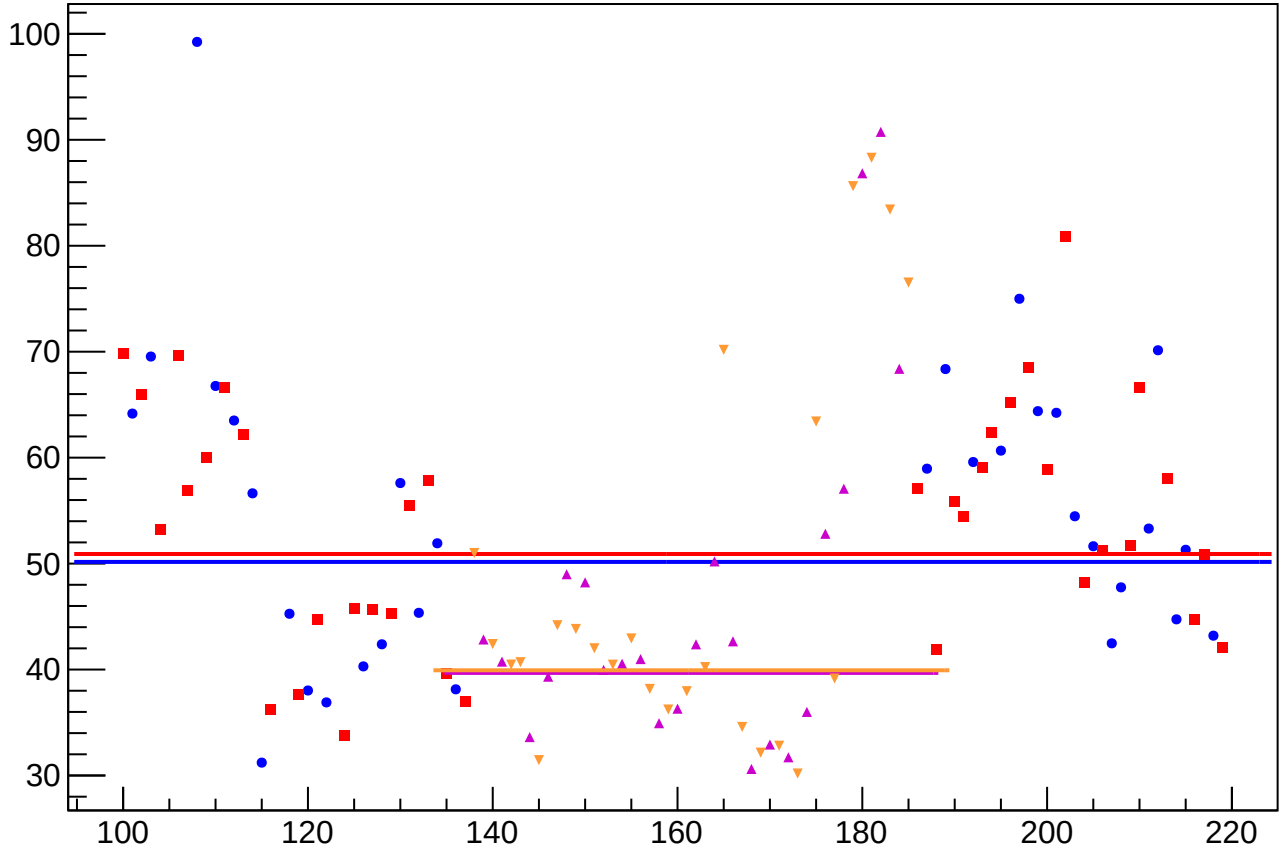
Right: 0.000+/-0.008 χ^2/NDF: 62.1/68

In: 0.001+/-0.007 χ^2/NDF:64.7/54

Out: 0.007+/-0.007 χ^2/NDF:58.7/61

All: 0.004+/-0.005 χ^2/NDF: 123.8/116

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.158+/-0.008 χ^2/NDF: 1792744.8/31

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 50.907+/-0.008 χ^2/NDF: 1575642.8/36

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

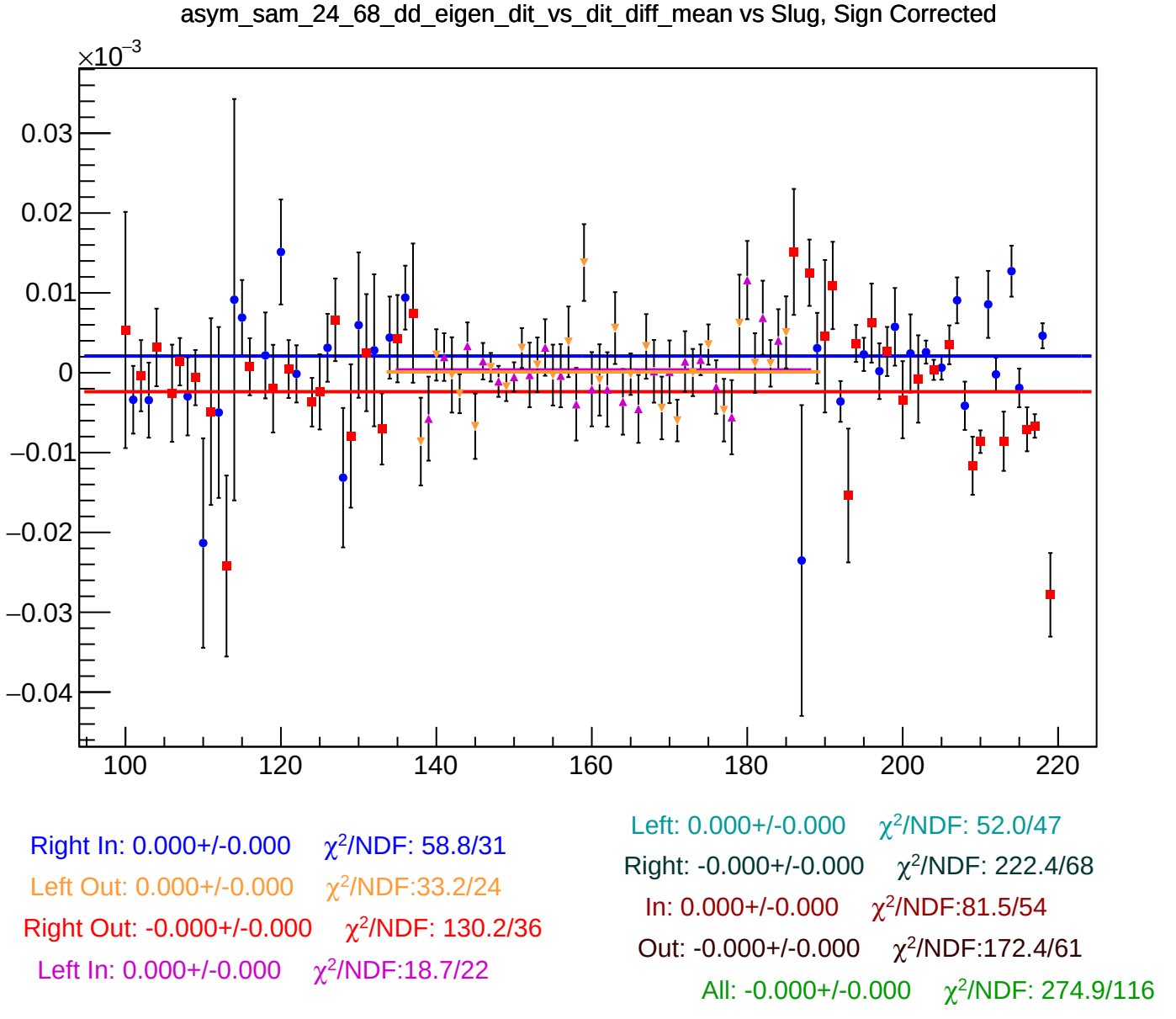
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.540+/-0.006 χ^2/NDF: 3372590.6/68

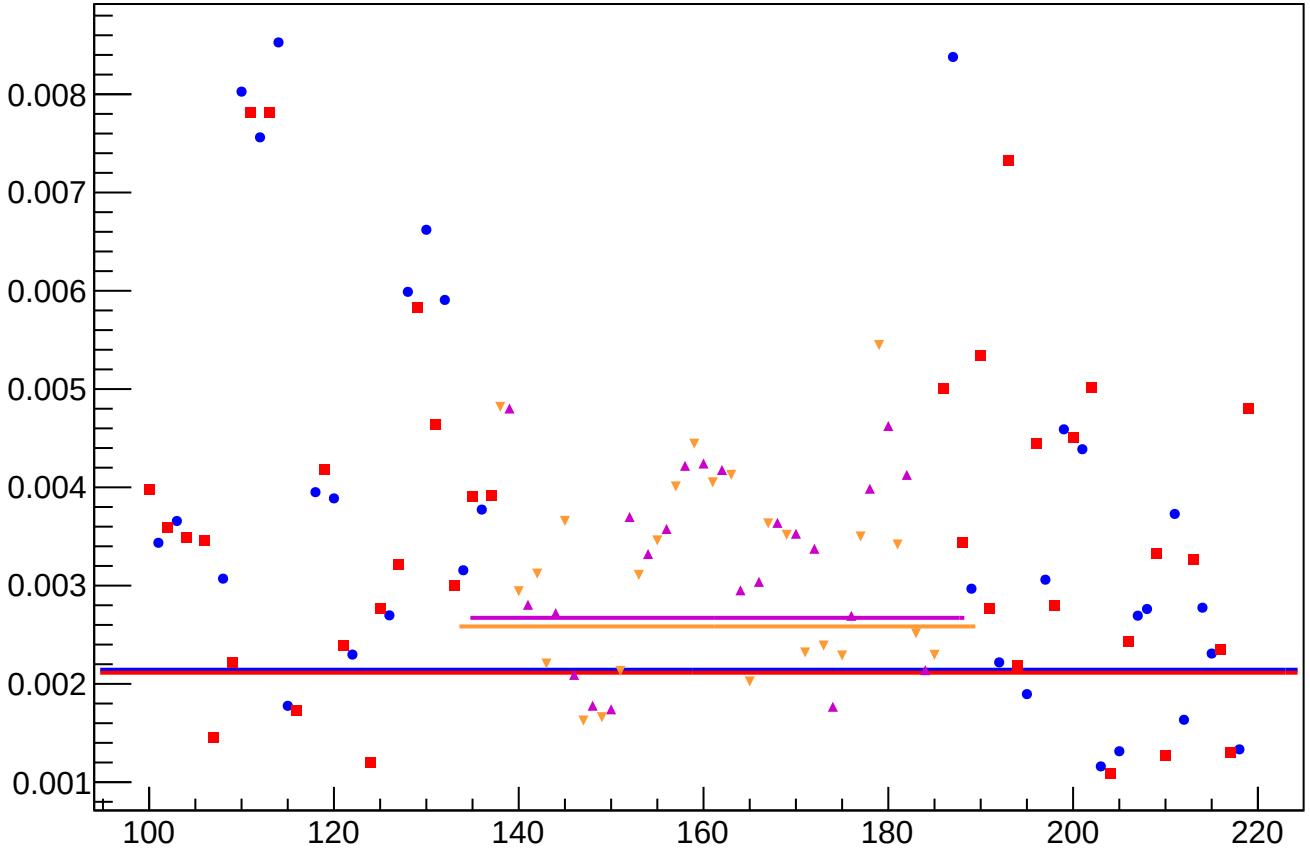
In: 44.009+/-0.005 χ^2/NDF:4656334.4/54

Out: 44.452+/-0.005 χ^2/NDF:5134574.4/61

All: 44.235+/-0.004 χ^2/NDF: 9794470.3/116


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 58.8/31
Left Out: 0.000+/-0.000 χ²/NDF:33.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 130.2/36
Left In: 0.000+/-0.000 χ²/NDF:18.7/22
Left: 0.000+/-0.000 χ²/NDF: 52.0/47
Right: -0.000+/-0.000 χ²/NDF: 222.4/68
In: 0.000+/-0.000 χ²/NDF:81.5/54
Out: -0.000+/-0.000 χ²/NDF:172.4/61
All: -0.000+/-0.000 χ²/NDF: 274.9/116

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7603651.5/31

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9929386.7/36

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

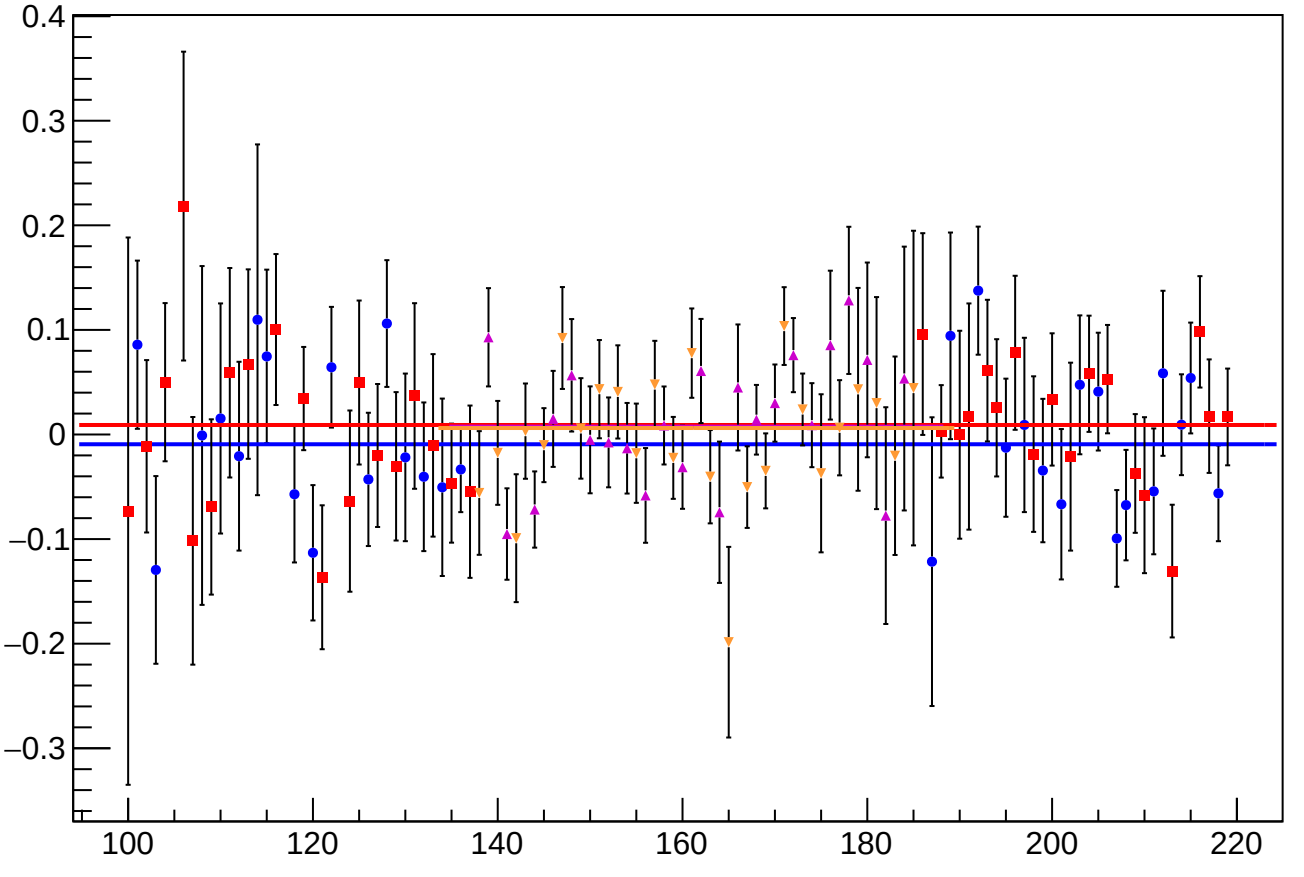
Right: 0.002+/-0.000 χ^2/NDF: 17536066.5/68

In: 0.002+/-0.000 χ^2/NDF:12167337.2/54

Out: 0.002+/-0.000 χ^2/NDF:14471774.5/61

All: 0.002+/-0.000 χ^2/NDF: 26650935.0/116

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.012 χ^2/NDF: 33.0/31

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.009+/-0.011 χ^2/NDF: 27.8/36

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

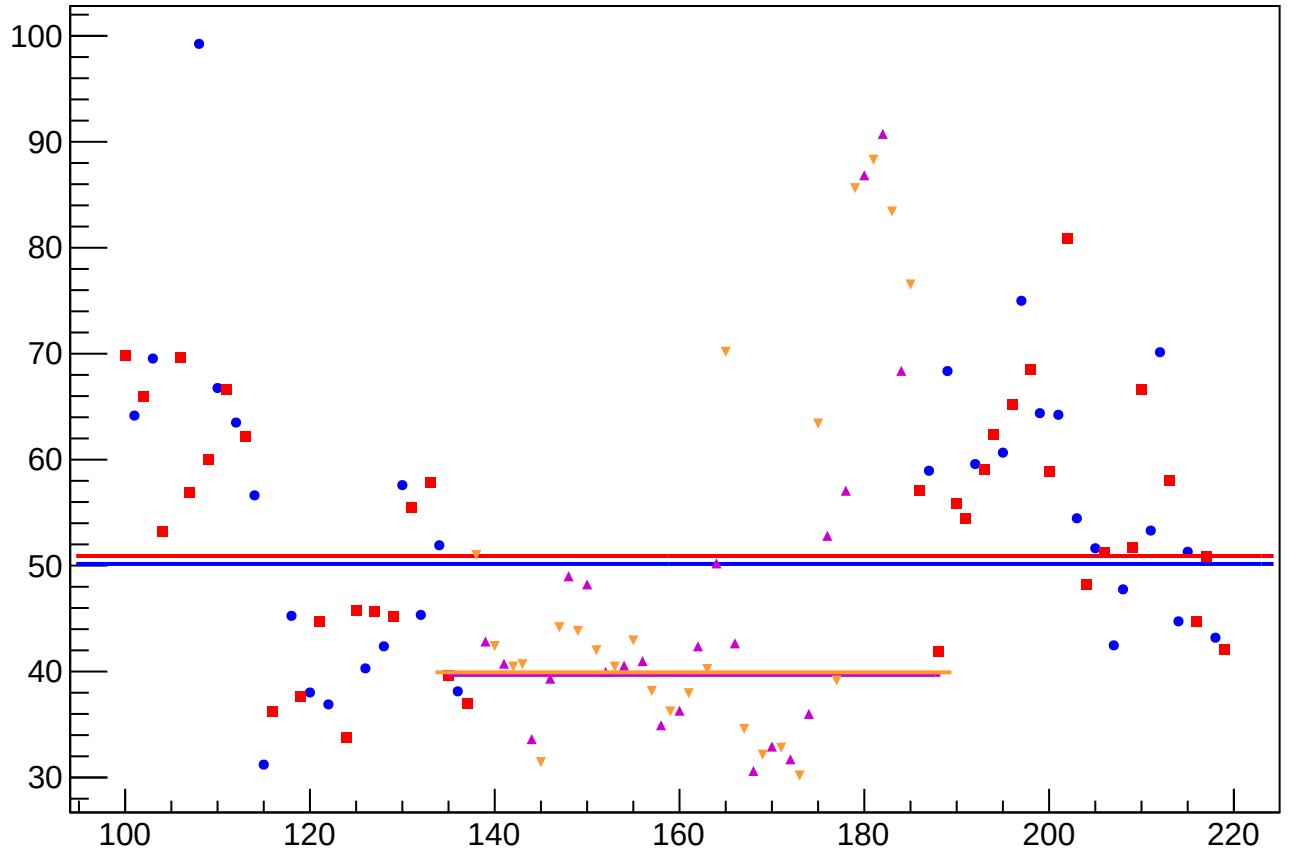
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: 0.000+/-0.008 χ^2/NDF: 62.1/68

In: 0.001+/-0.007 χ^2/NDF:64.7/54

Out: 0.007+/-0.007 χ^2/NDF:58.7/61

All: 0.004+/-0.005 χ^2/NDF: 123.8/116



Right In: 50.157+/-0.008 χ^2/NDF: 1792822.3/31

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 50.906+/-0.008 χ^2/NDF: 1575710.6/36

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

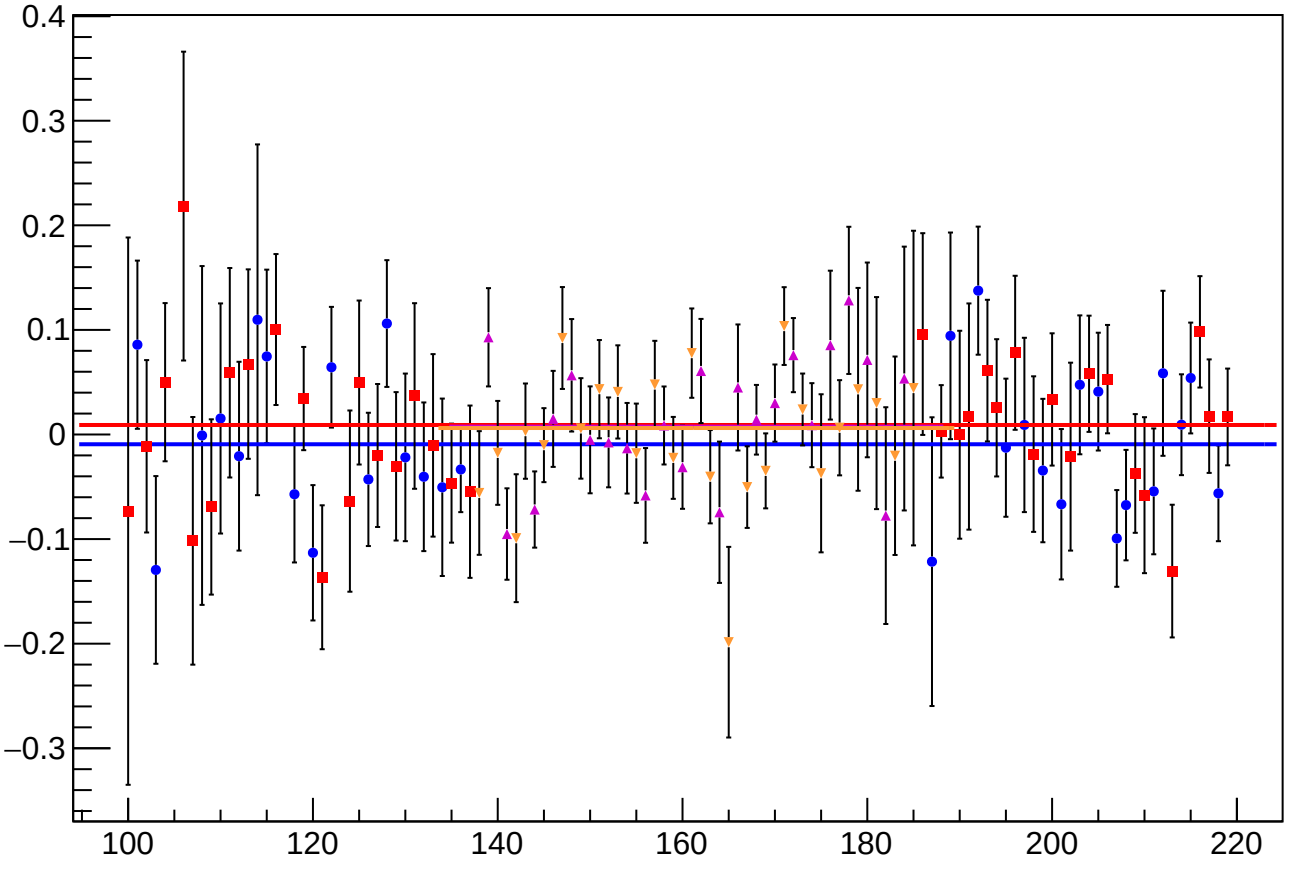
Right: 50.539+/-0.006 χ^2/NDF: 3372739.5/68

In: 44.009+/-0.005 χ^2/NDF:4656306.9/54

Out: 44.451+/-0.005 χ^2/NDF:5134531.2/61

All: 44.234+/-0.004 χ^2/NDF: 9794404.5/116

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.012 χ^2/NDF: 33.0/31

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.009+/-0.011 χ^2/NDF: 27.8/36

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

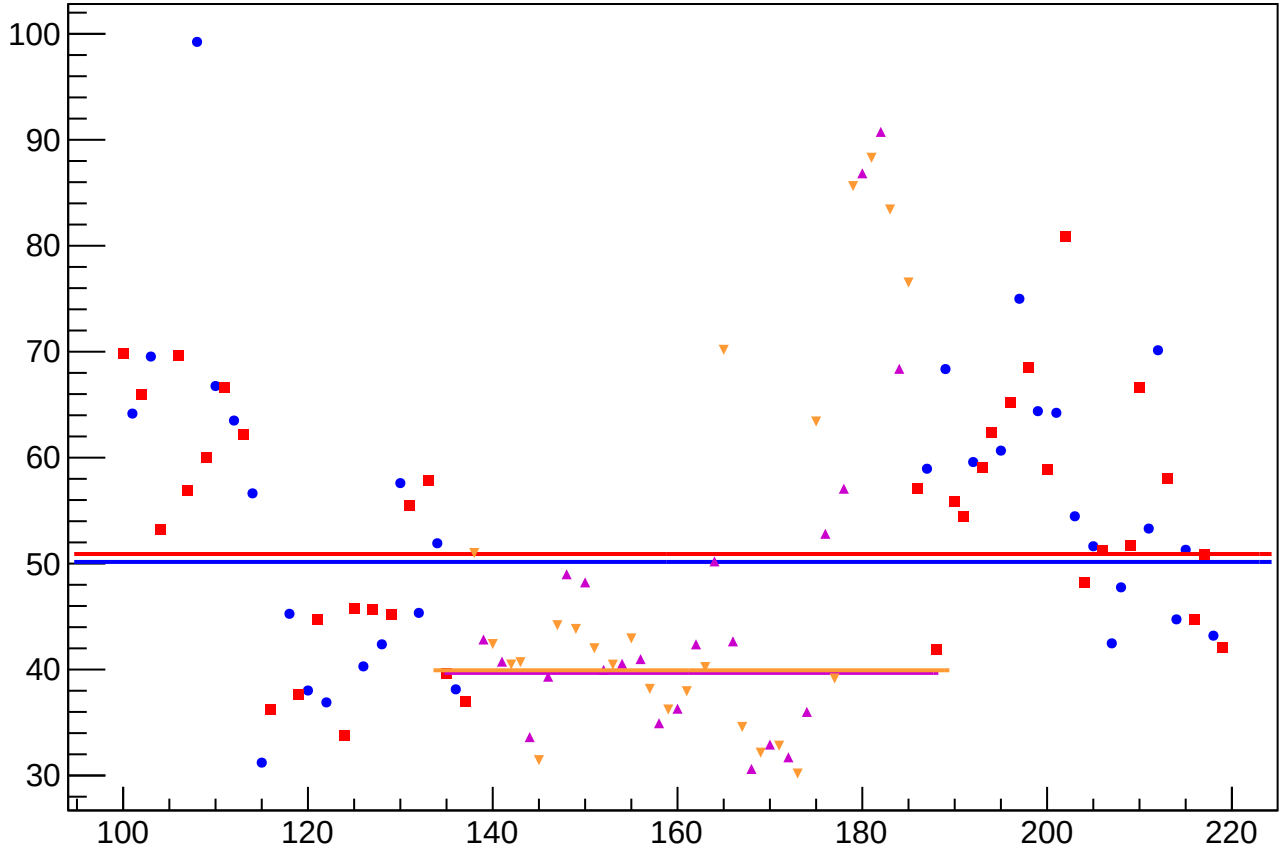
Right: 0.000+/-0.008 χ^2/NDF: 62.1/68

In: 0.001+/-0.007 χ^2/NDF:64.7/54

Out: 0.007+/-0.007 χ^2/NDF:58.7/61

All: 0.004+/-0.005 χ^2/NDF: 123.8/116

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.157+/-0.008 χ^2/NDF: 1792822.3/31

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 50.906+/-0.008 χ^2/NDF: 1575710.6/36

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

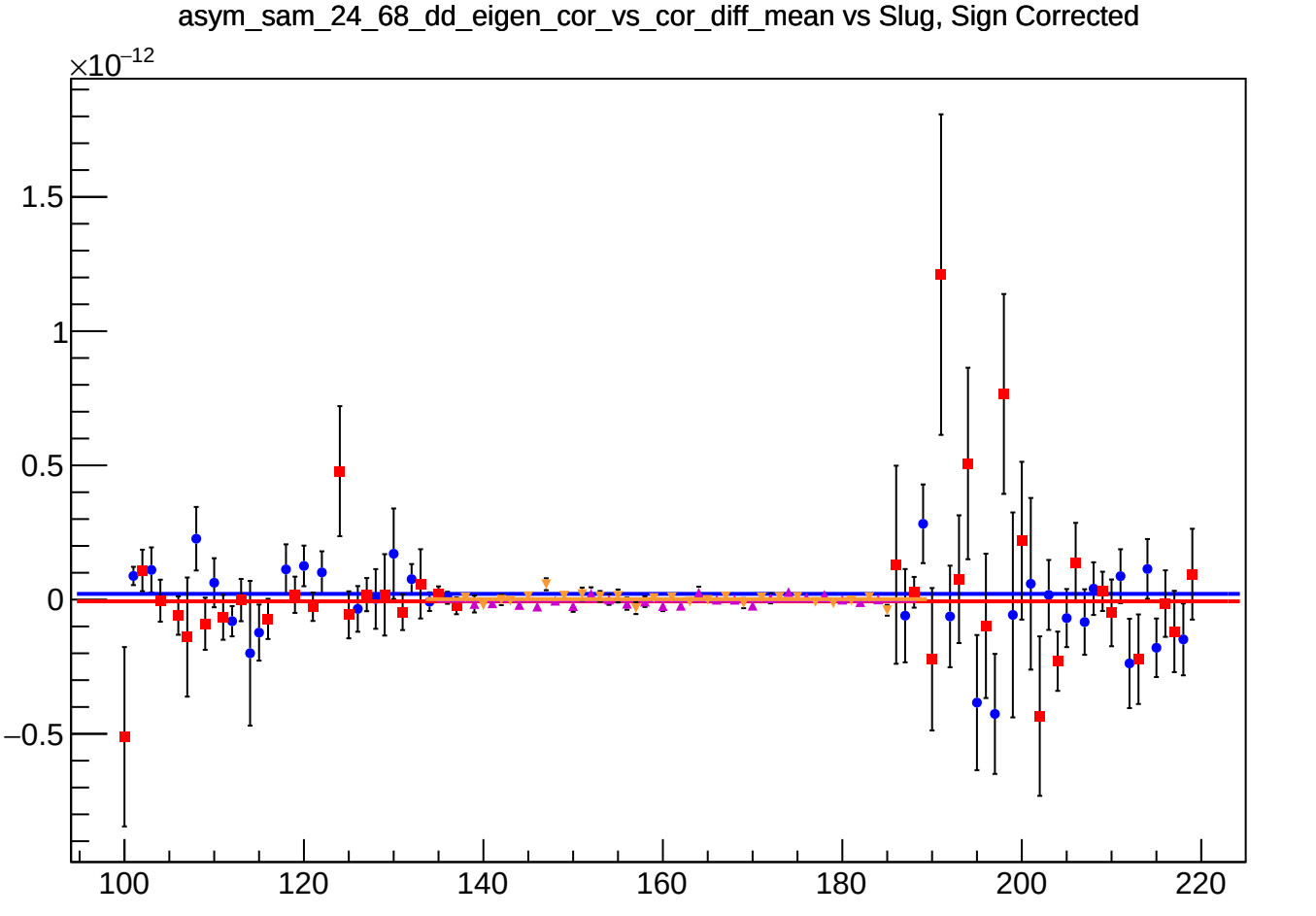
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 50.539+/-0.006 χ^2/NDF: 3372739.5/68

In: 44.009+/-0.005 χ^2/NDF:4656306.9/54

Out: 44.451+/-0.005 χ^2/NDF:5134531.2/61

All: 44.234+/-0.004 χ^2/NDF: 9794404.5/116



Right In: 0.000+/-0.000 χ^2/NDF: 41.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.8/36

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

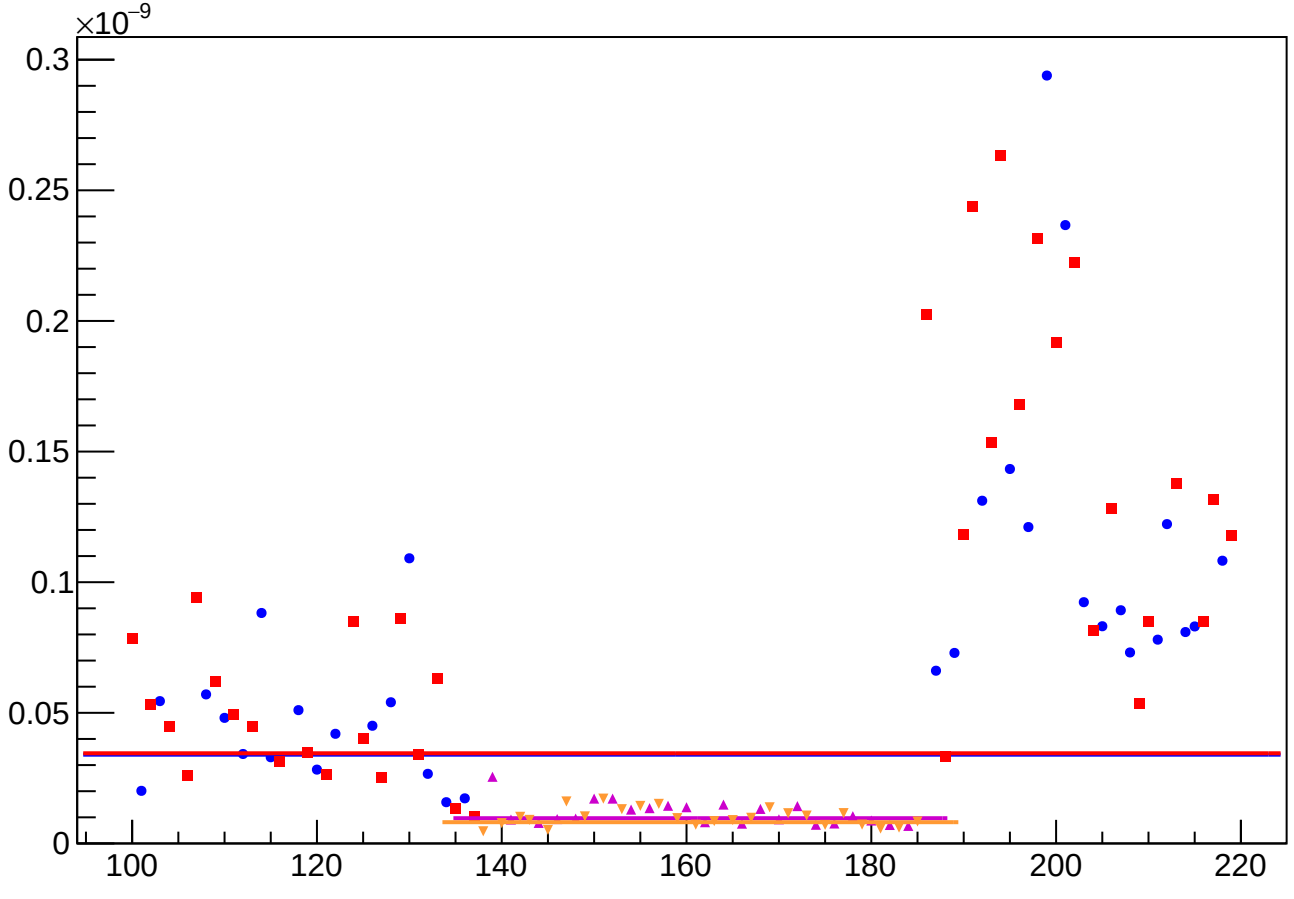
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 80.7/68

In: -0.000+/-0.000 χ^2/NDF:72.8/54

Out: 0.000+/-0.000 χ^2/NDF:65.2/61

All: -0.000+/-0.000 χ^2/NDF: 139.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 9970217.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12193763.7/36

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

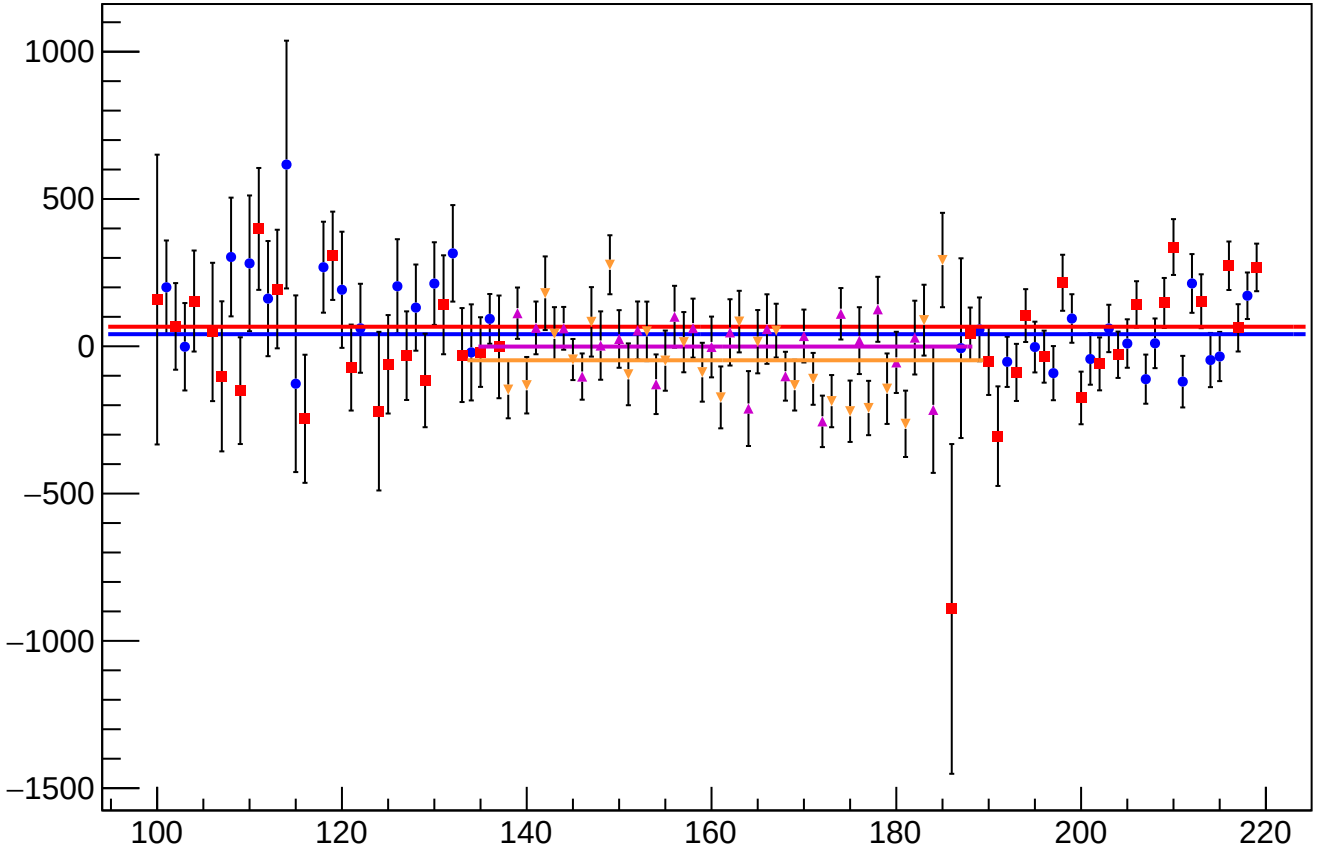
Right: 0.000+/-0.000 χ^2/NDF: 22165699.9/68

In: 0.000+/-0.000 χ^2/NDF:19117984.6/54

Out: 0.000+/-0.000 χ^2/NDF:22340971.6/61

All: 0.000+/-0.000 χ^2/NDF: 41924935.9/116

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 41.070+/-19.463 χ^2/NDF: 34.9/31

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: 66.373+/-19.145 χ^2/NDF: 65.0/36

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

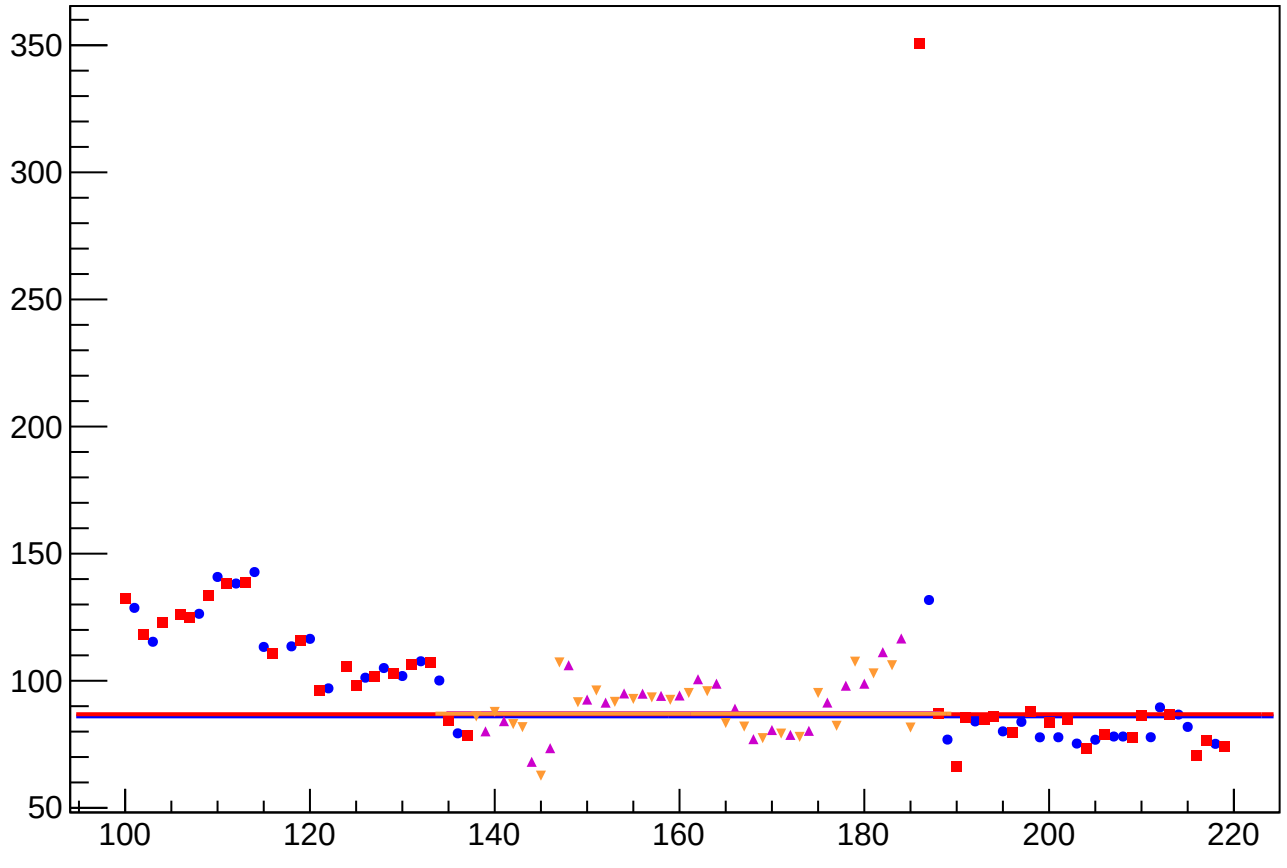
Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

Right: 53.930+/-13.649 χ^2/NDF: 100.7/68

In: 21.238+/-14.149 χ^2/NDF:62.6/54

Out: 11.862+/-13.824 χ^2/NDF:125.9/61

All: 16.441+/-9.888 χ^2/NDF: 188.7/116



Right In: 86.006+/-0.014 χ^2/NDF: 1141402.7/31

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 86.836+/-0.014 χ^2/NDF: 1709950.4/36

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

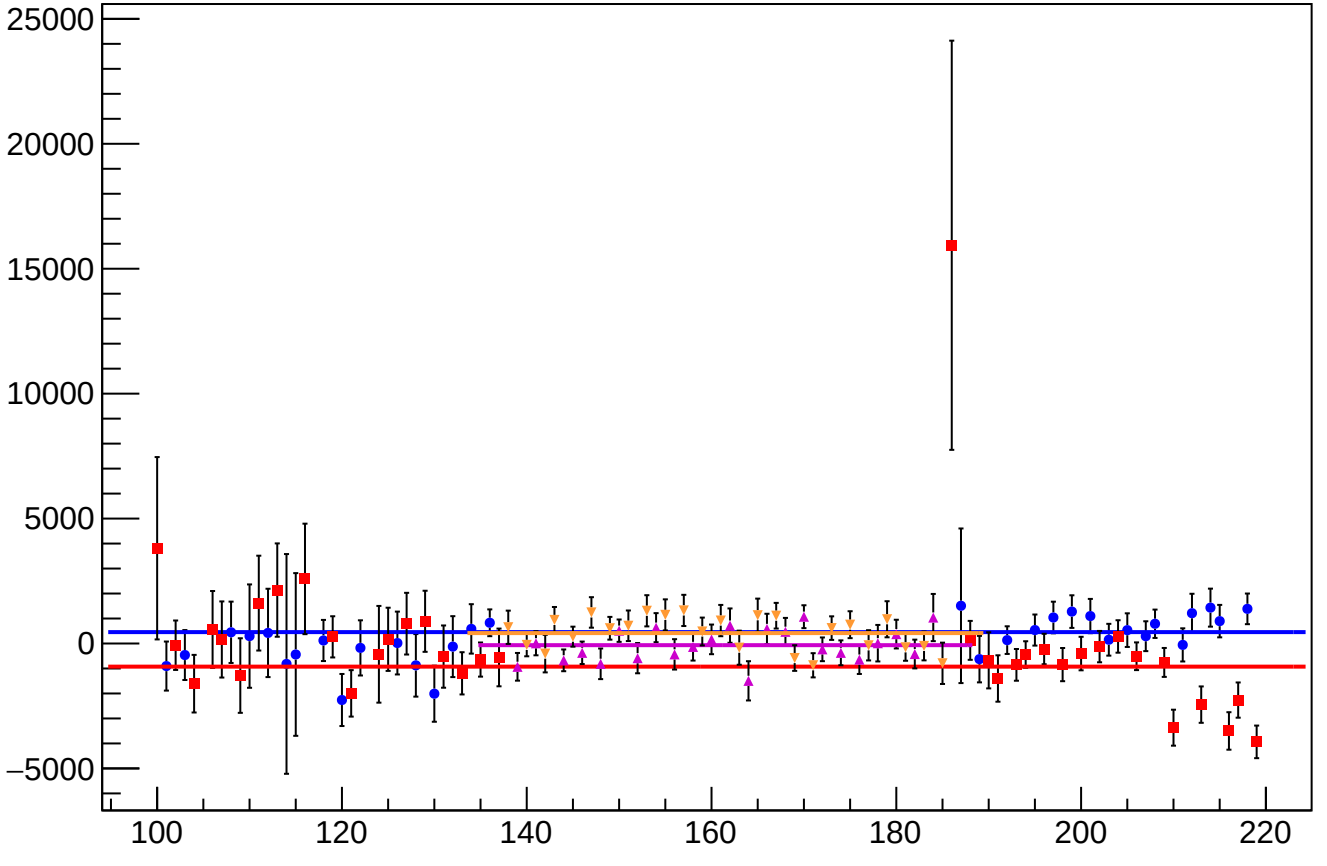
Right: 86.428+/-0.010 χ^2/NDF: 2853202.1/68

In: 86.596+/-0.010 χ^2/NDF:1741089.0/54

Out: 86.949+/-0.010 χ^2/NDF:2330721.7/61

All: 86.776+/-0.007 χ^2/NDF: 4072448.2/116

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 455.747+/-142.549 χ^2/NDF: 28.8/31

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -925.851+/-139.154 χ^2/NDF: 87.6/36

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

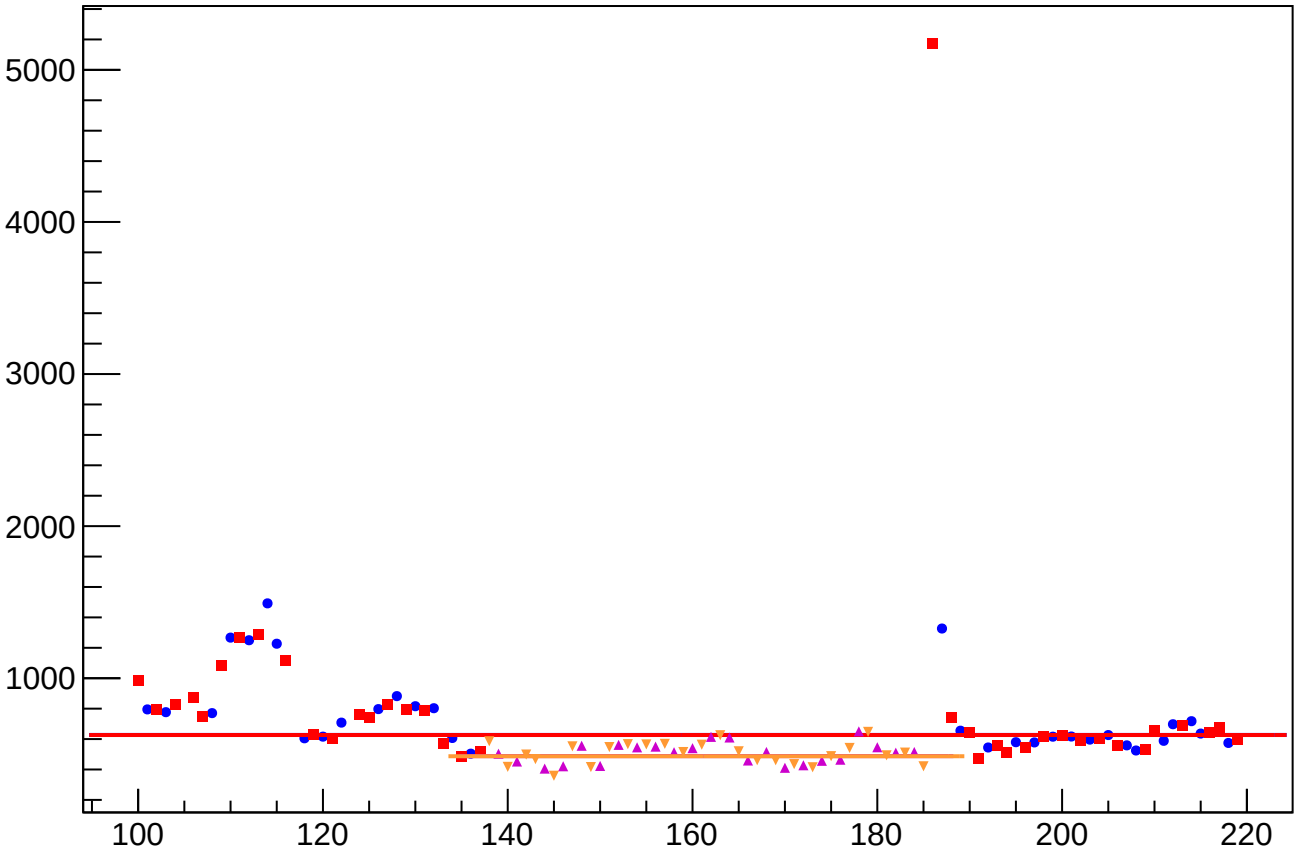
Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

Right: -251.701+/-99.576 χ^2/NDF: 164.5/68

In: 140.194+/-89.702 χ^2/NDF:64.4/54

Out: -113.185+/-87.409 χ^2/NDF:176.4/61

All: 10.224+/-62.602 χ^2/NDF: 244.9/116



Right In: 627.200+/-0.101 χ^2/NDF: 1388279.7/31

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 626.599+/-0.098 χ^2/NDF: 2237492.4/36

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

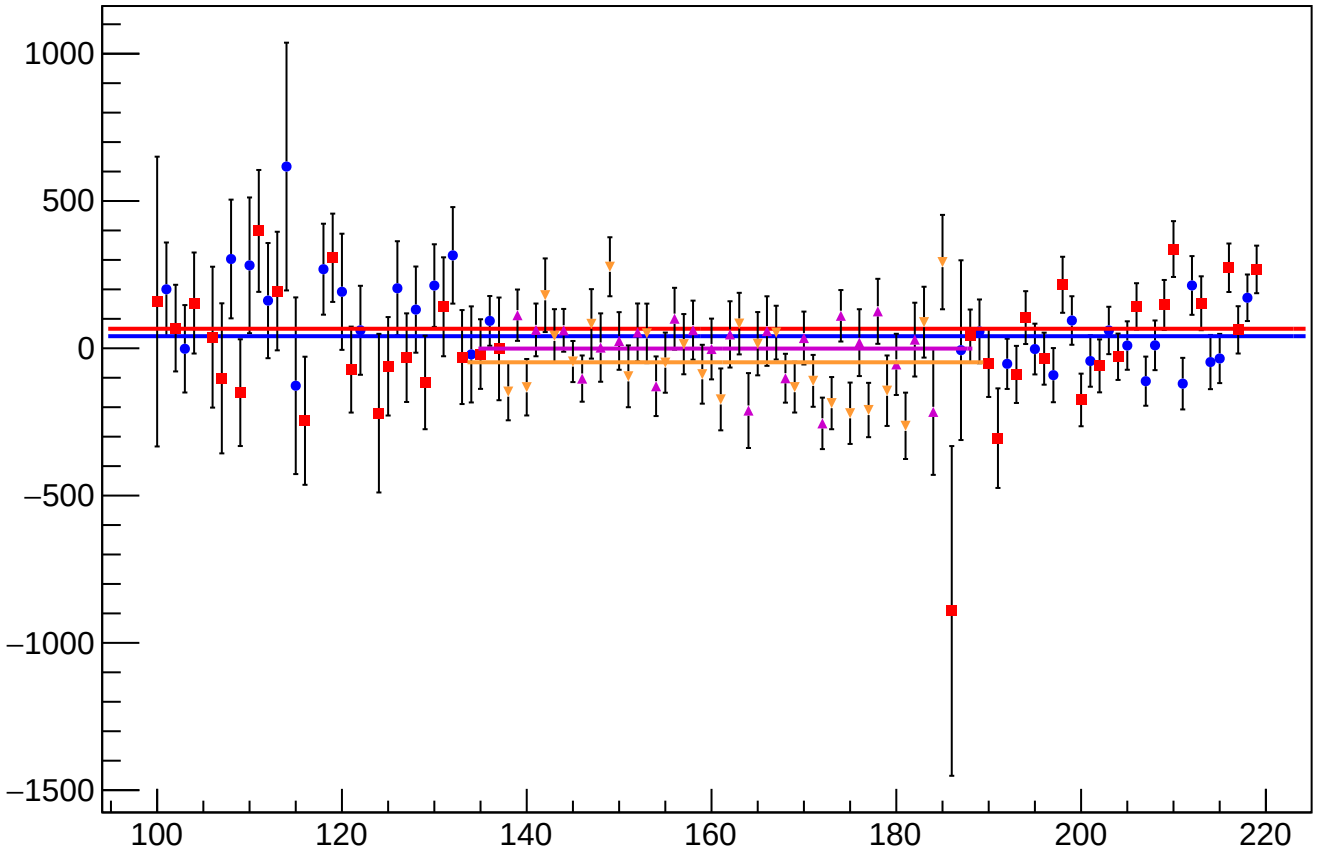
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 626.892+/-0.070 χ^2/NDF: 3625790.4/68

In: 543.078+/-0.063 χ^2/NDF:3175635.7/54

Out: 542.129+/-0.062 χ^2/NDF:4275970.3/61

All: 542.591+/-0.044 χ^2/NDF: 7451720.9/116



Right In: 41.064+/-19.463 χ^2/NDF: 34.9/31

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 66.325+/-19.148 χ^2/NDF: 65.0/36

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

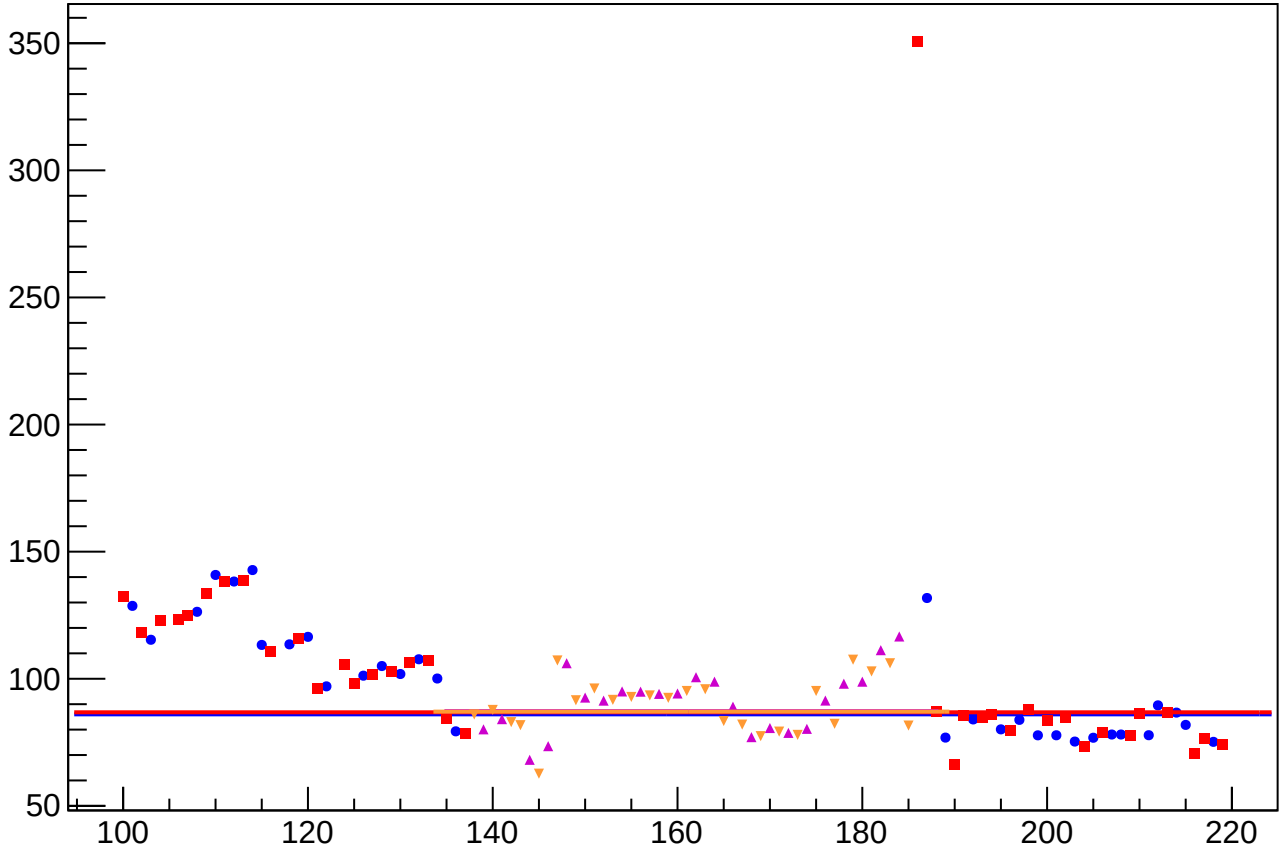
Right: 53.901+/-13.650 χ^2/NDF: 100.7/68

In: 21.234+/-14.149 χ^2/NDF:62.6/54

Out: 11.826+/-13.825 χ^2/NDF:125.9/61

All: 16.421+/-9.888 χ^2/NDF: 188.7/116

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 86.006+/-0.014 χ^2/NDF: 1141403.0/31

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 86.809+/-0.014 χ^2/NDF: 1700592.4/36

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

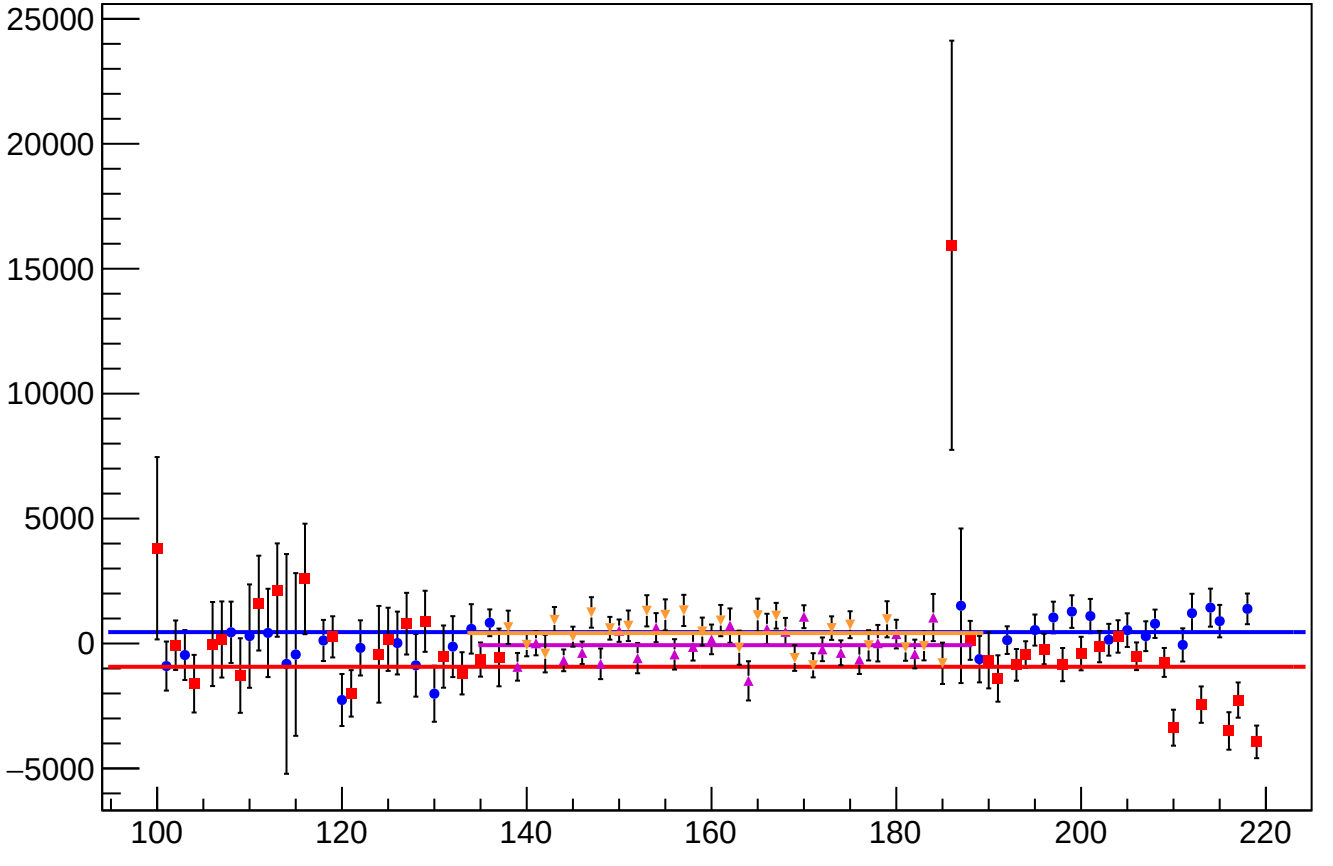
Right: 86.414+/-0.010 χ^2/NDF: 2843724.6/68

In: 86.596+/-0.010 χ^2/NDF:1741089.4/54

Out: 86.935+/-0.010 χ^2/NDF:2321399.4/61

All: 86.769+/-0.007 χ^2/NDF: 4063075.9/116

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 455.744+/-142.549 χ^2/NDF: 28.8/31

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -931.885+/-139.250 χ^2/NDF: 87.0/36

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

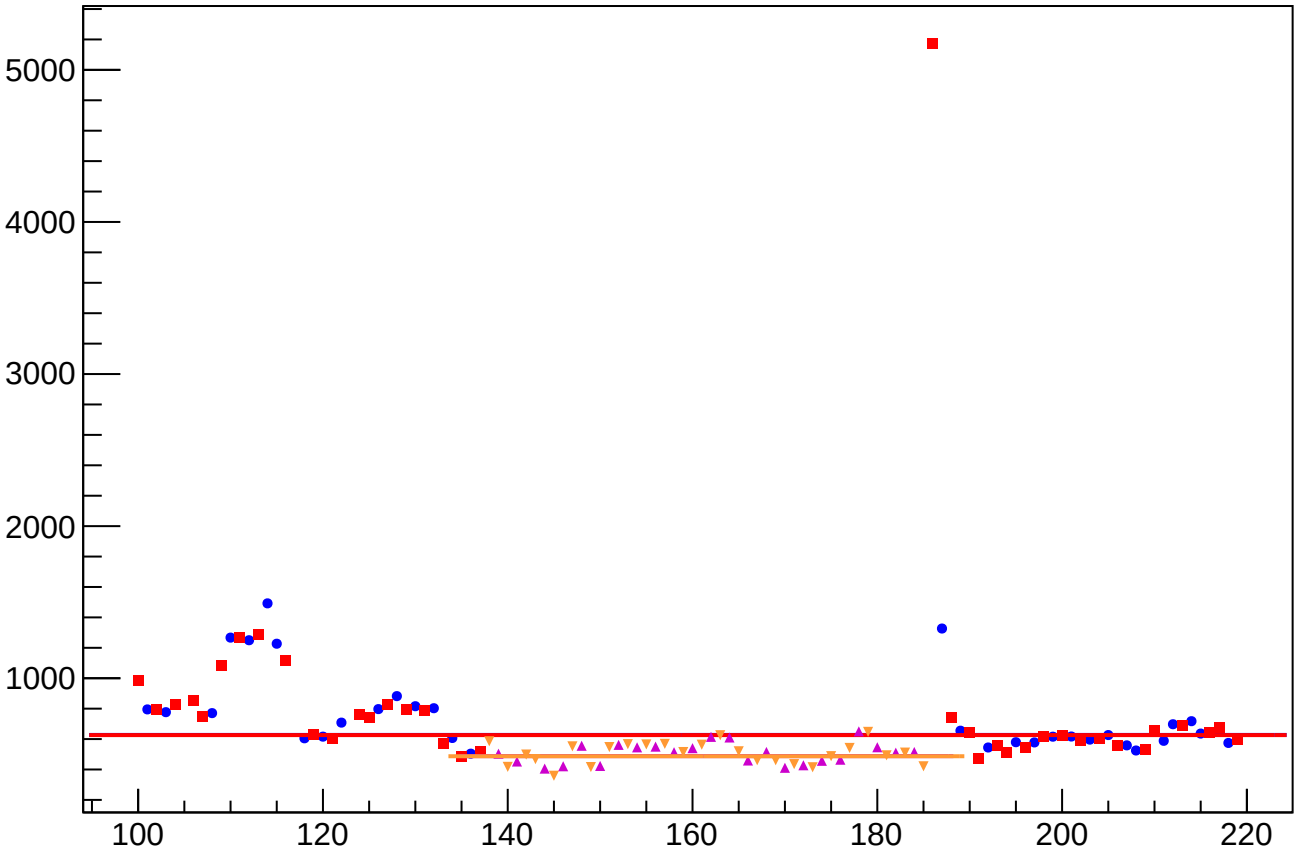
Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

Right: -254.313+/-99.611 χ^2/NDF: 164.3/68

In: 140.193+/-89.702 χ^2/NDF:64.4/54

Out: -115.127+/-87.432 χ^2/NDF:176.2/61

All: 9.262+/-62.611 χ^2/NDF: 244.8/116



Right In: 627.200+/-0.101 χ^2/NDF: 1388291.8/31

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 626.128+/-0.098 χ^2/NDF: 2222323.2/36

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

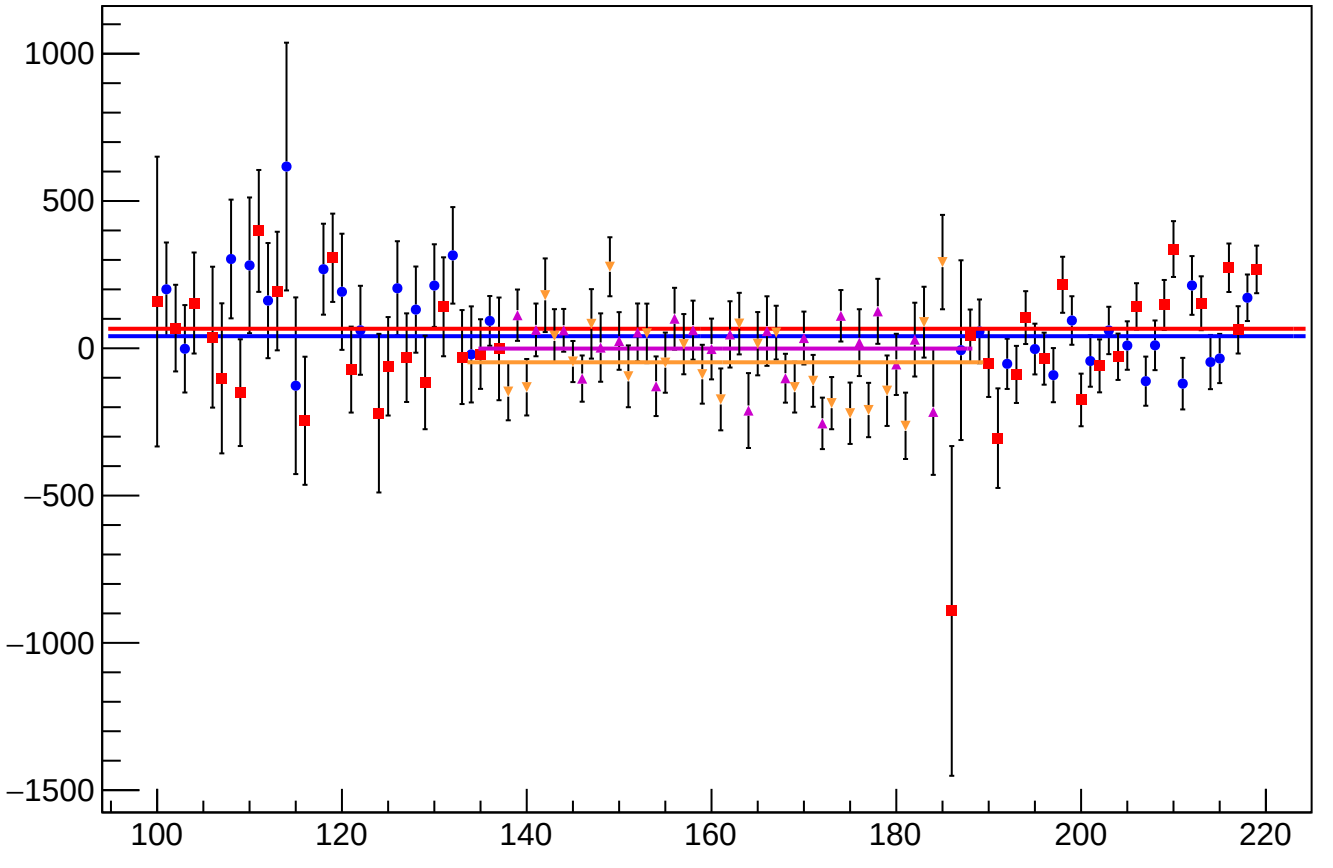
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 626.651+/-0.070 χ^2/NDF: 3610672.9/68

In: 543.078+/-0.063 χ^2/NDF:3175651.8/54

Out: 541.898+/-0.062 χ^2/NDF:4251585.9/61

All: 542.473+/-0.044 χ^2/NDF: 7427415.3/116



Right In: 41.064+/-19.463 χ^2/NDF: 34.9/31

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 66.325+/-19.148 χ^2/NDF: 65.0/36

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

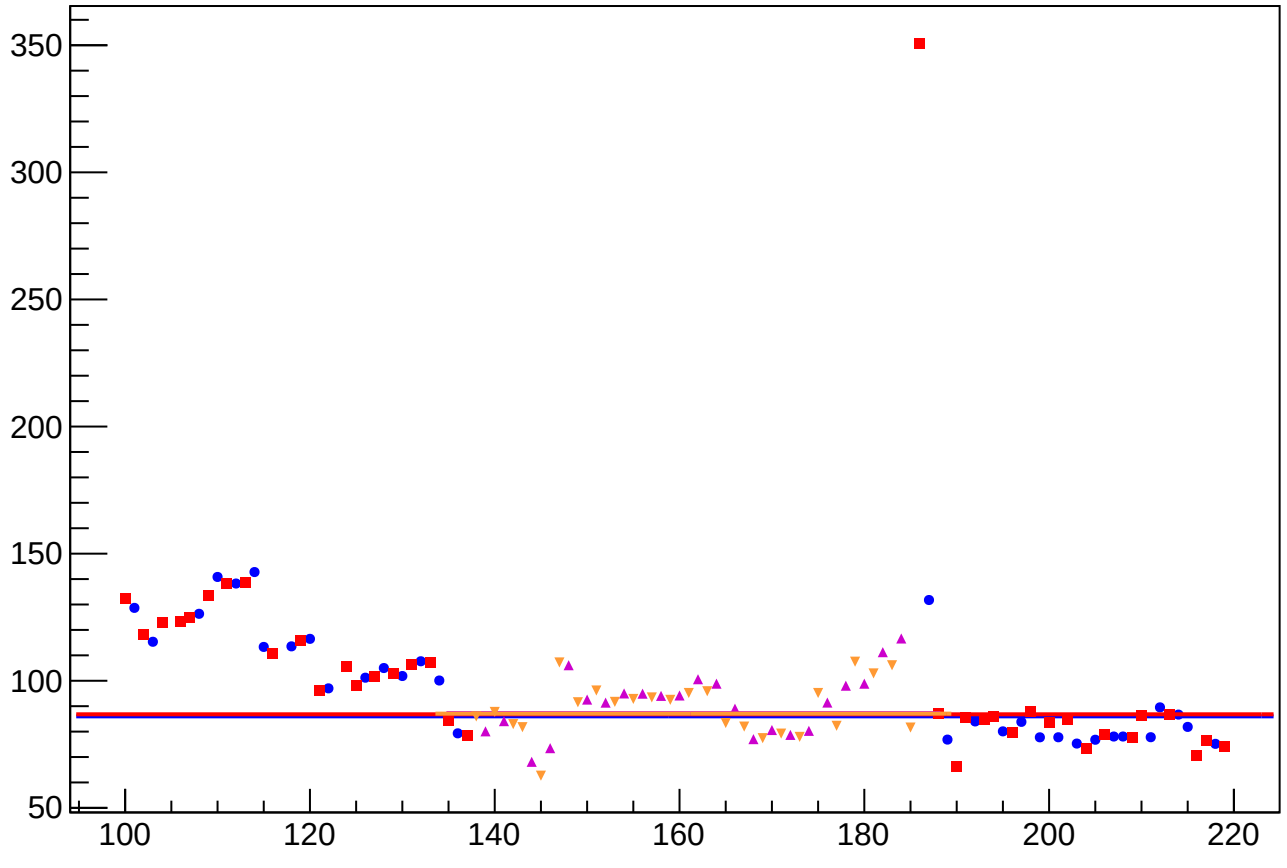
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 53.901+/-13.650 χ^2/NDF: 100.7/68

In: 21.234+/-14.149 χ^2/NDF:62.6/54

Out: 11.826+/-13.825 χ^2/NDF:125.9/61

All: 16.421+/-9.888 χ^2/NDF: 188.7/116



Right In: 86.006+/-0.014 χ^2/NDF: 1141403.0/31

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 86.809+/-0.014 χ^2/NDF: 1700592.4/36

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

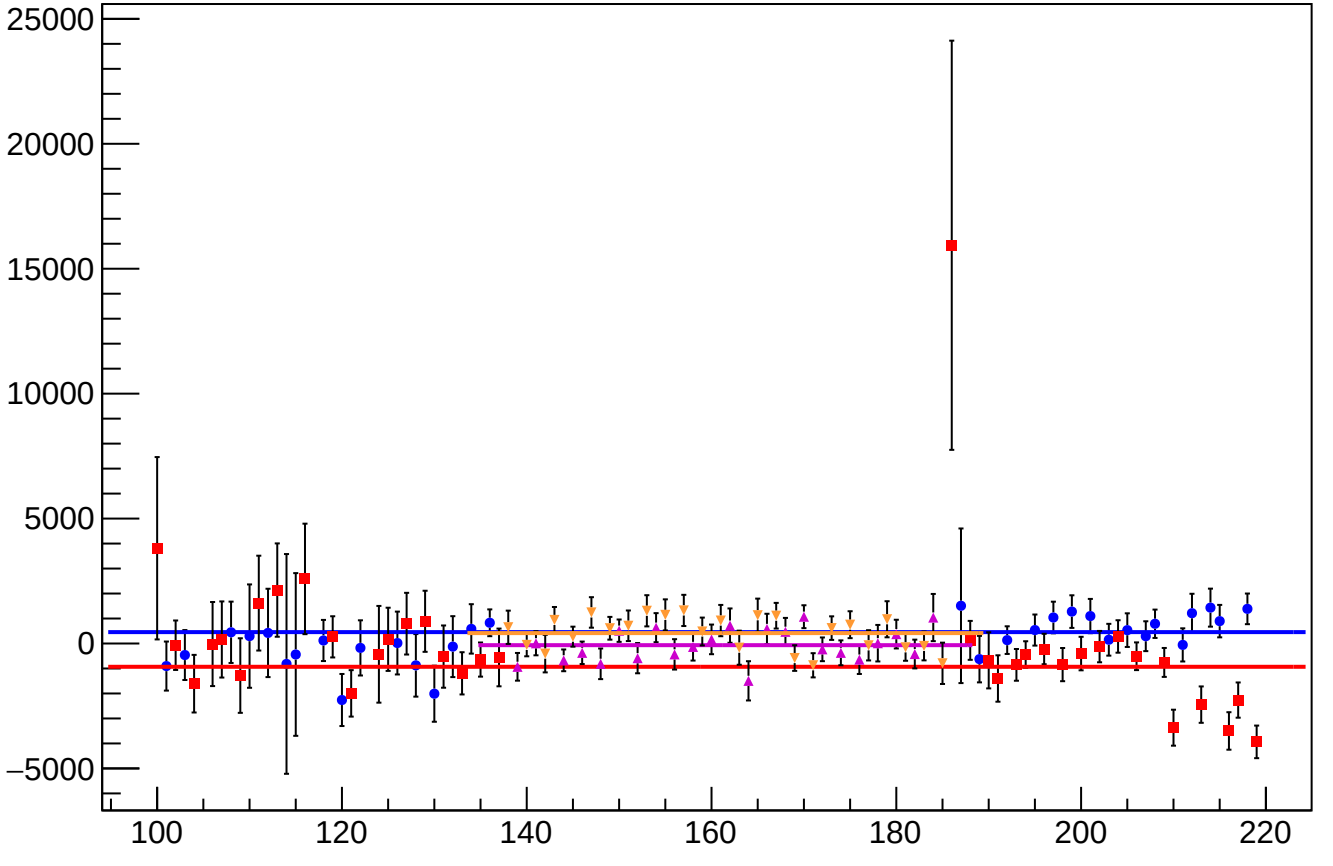
Right: 86.414+/-0.010 χ^2/NDF: 2843724.6/68

In: 86.596+/-0.010 χ^2/NDF:1741089.4/54

Out: 86.935+/-0.010 χ^2/NDF:2321399.4/61

All: 86.769+/-0.007 χ^2/NDF: 4063075.9/116

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 455.744+/-142.549 χ^2/NDF: 28.8/31

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -931.885+/-139.250 χ^2/NDF: 87.0/36

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

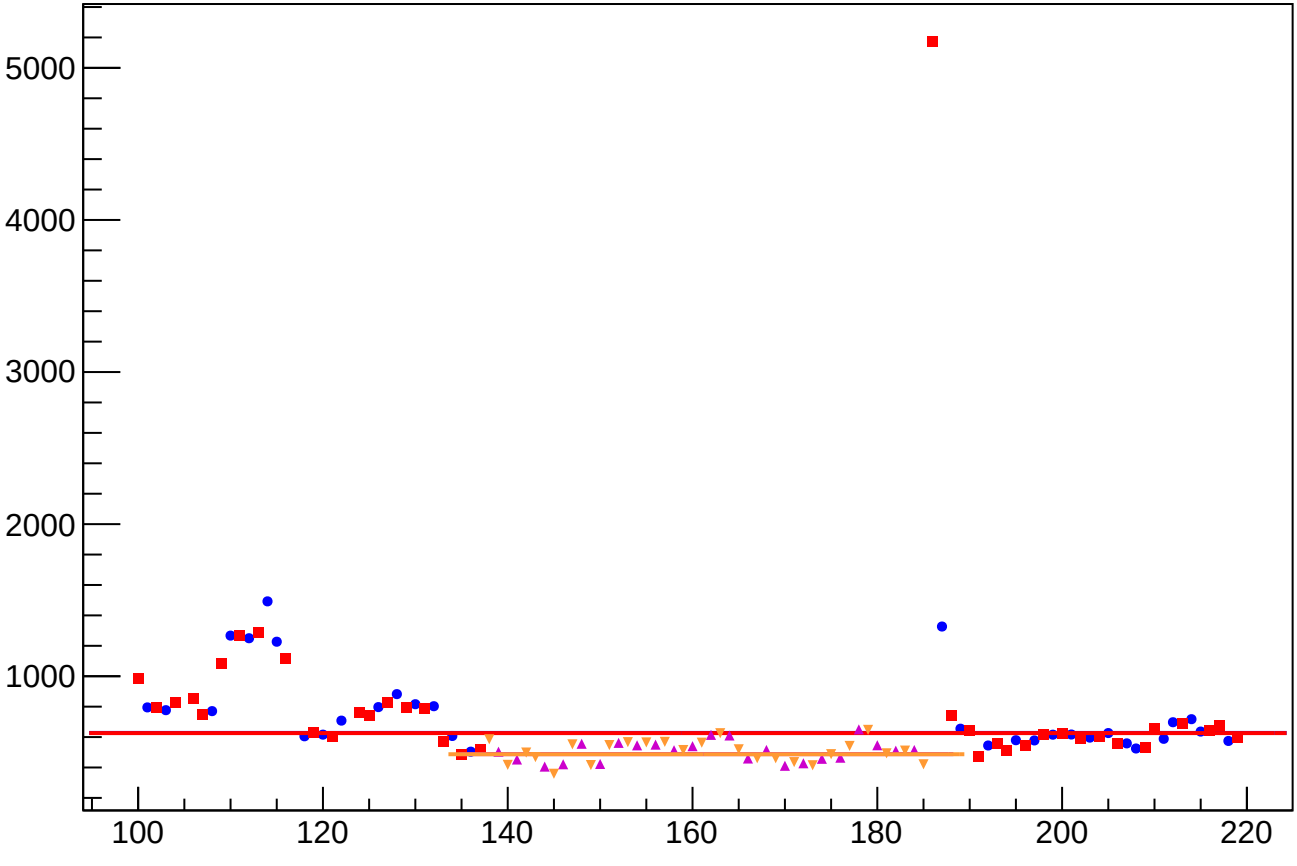
Right: -254.313+/-99.611 χ^2/NDF: 164.3/68

In: 140.193+/-89.702 χ^2/NDF:64.4/54

Out: -115.127+/-87.432 χ^2/NDF:176.2/61

All: 9.262+/-62.611 χ^2/NDF: 244.8/116

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 627.200+/-0.101 χ^2/NDF: 1388291.8/31

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 626.128+/-0.098 χ^2/NDF: 2222323.2/36

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

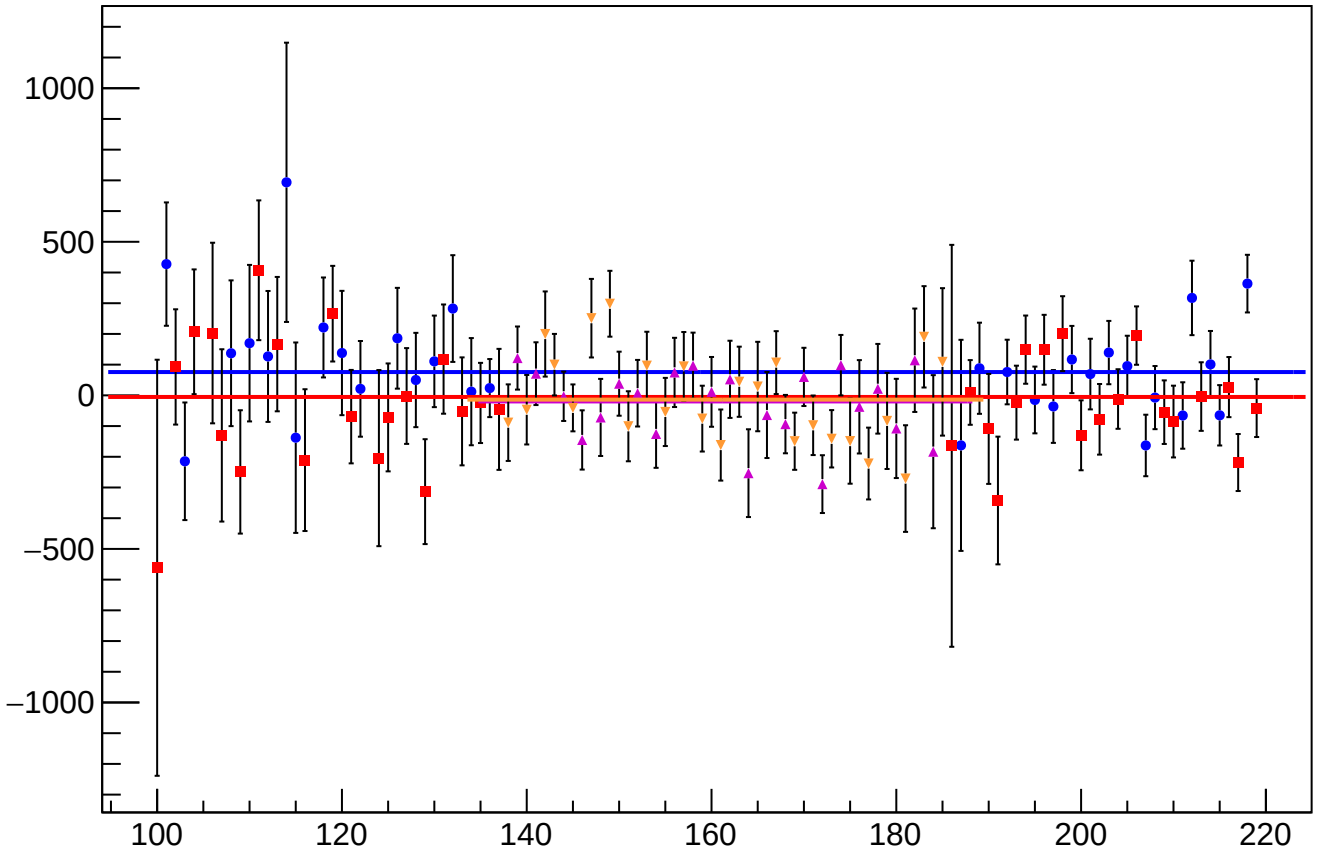
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 626.651+/-0.070 χ^2/NDF: 3610672.9/68

In: 543.078+/-0.063 χ^2/NDF:3175651.8/54

Out: 541.898+/-0.062 χ^2/NDF:4251585.9/61

All: 542.473+/-0.044 χ^2/NDF: 7427415.3/116



Right In: 75.883+/-23.355 χ^2/NDF: 37.5/31

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -5.223+/-22.899 χ^2/NDF: 38.6/36

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

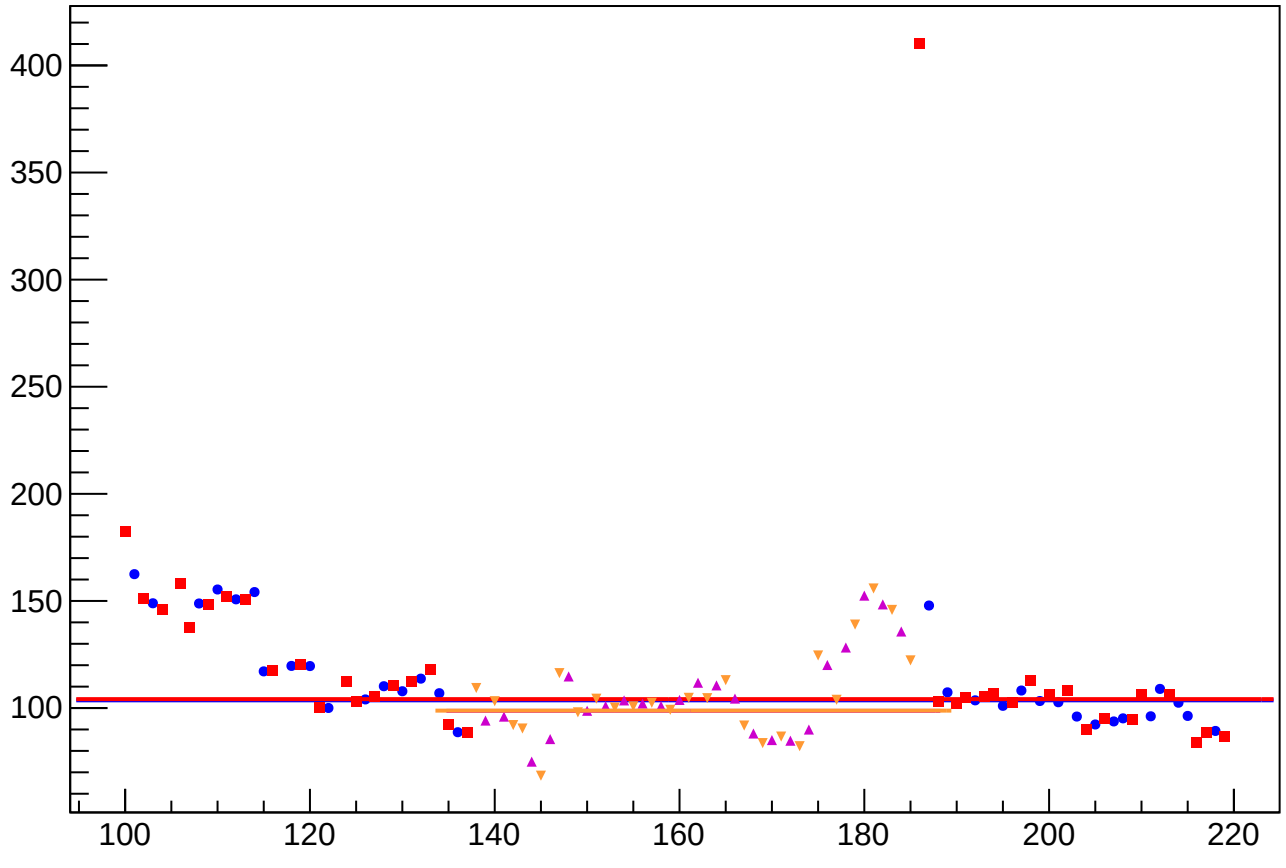
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 34.531+/-16.351 χ^2/NDF: 82.3/68

In: 28.480+/-16.590 χ^2/NDF:69.2/54

Out: -9.560+/-16.198 χ^2/NDF:75.0/61

All: 9.005+/-11.590 χ^2/NDF: 146.9/116



Right In: 103.610+/-0.017 χ^2/NDF: 840049.0/31

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 104.166+/-0.016 χ^2/NDF: 1430031.0/36

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

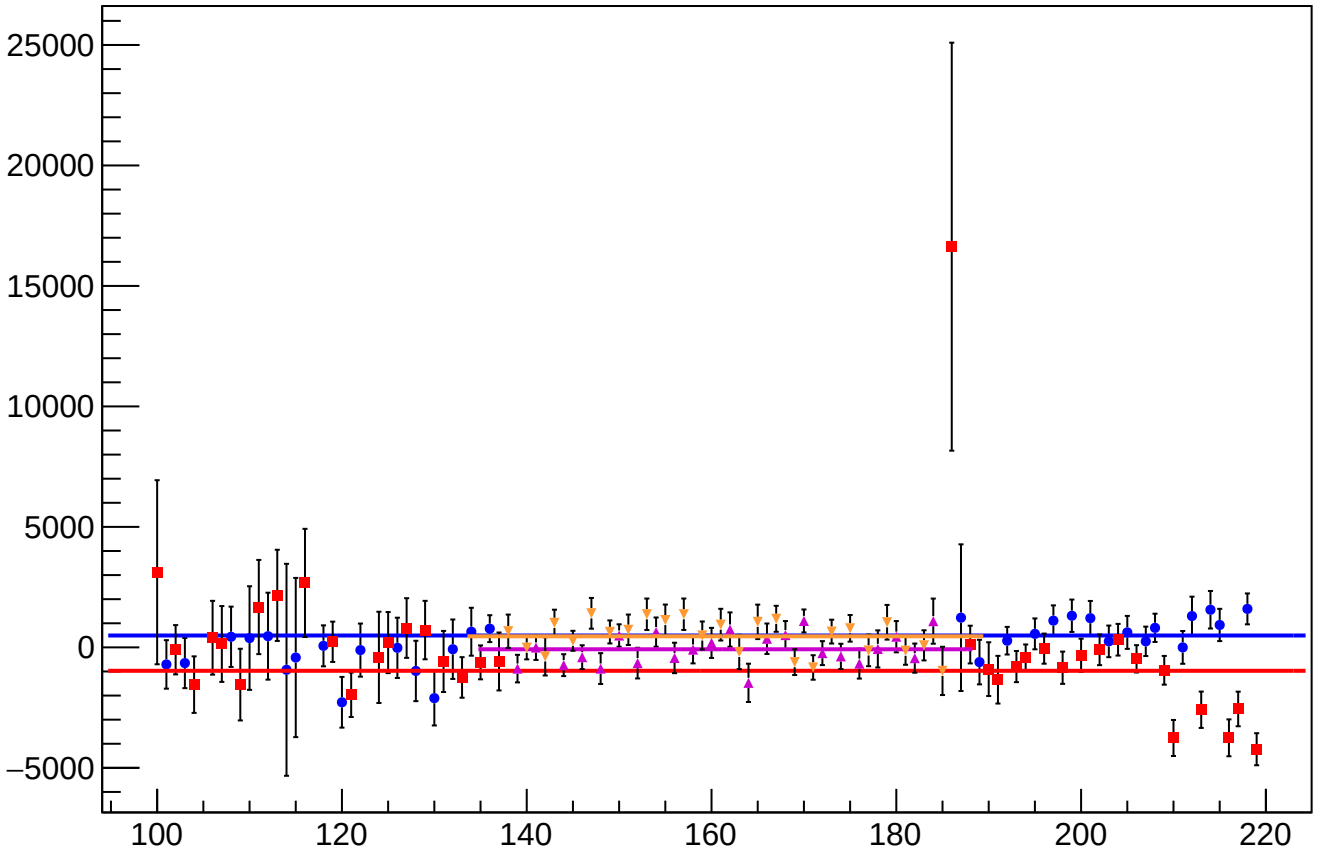
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 103.894+/-0.012 χ^2/NDF: 2270657.5/68

In: 101.164+/-0.012 χ^2/NDF:1872148.0/54

Out: 101.484+/-0.011 χ^2/NDF:2670736.0/61

All: 101.328+/-0.008 χ^2/NDF: 4543265.2/116



Right In: 492.735+/-146.253 χ^2/NDF: 30.1/31

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -971.672+/-141.953 χ^2/NDF: 97.0/36

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

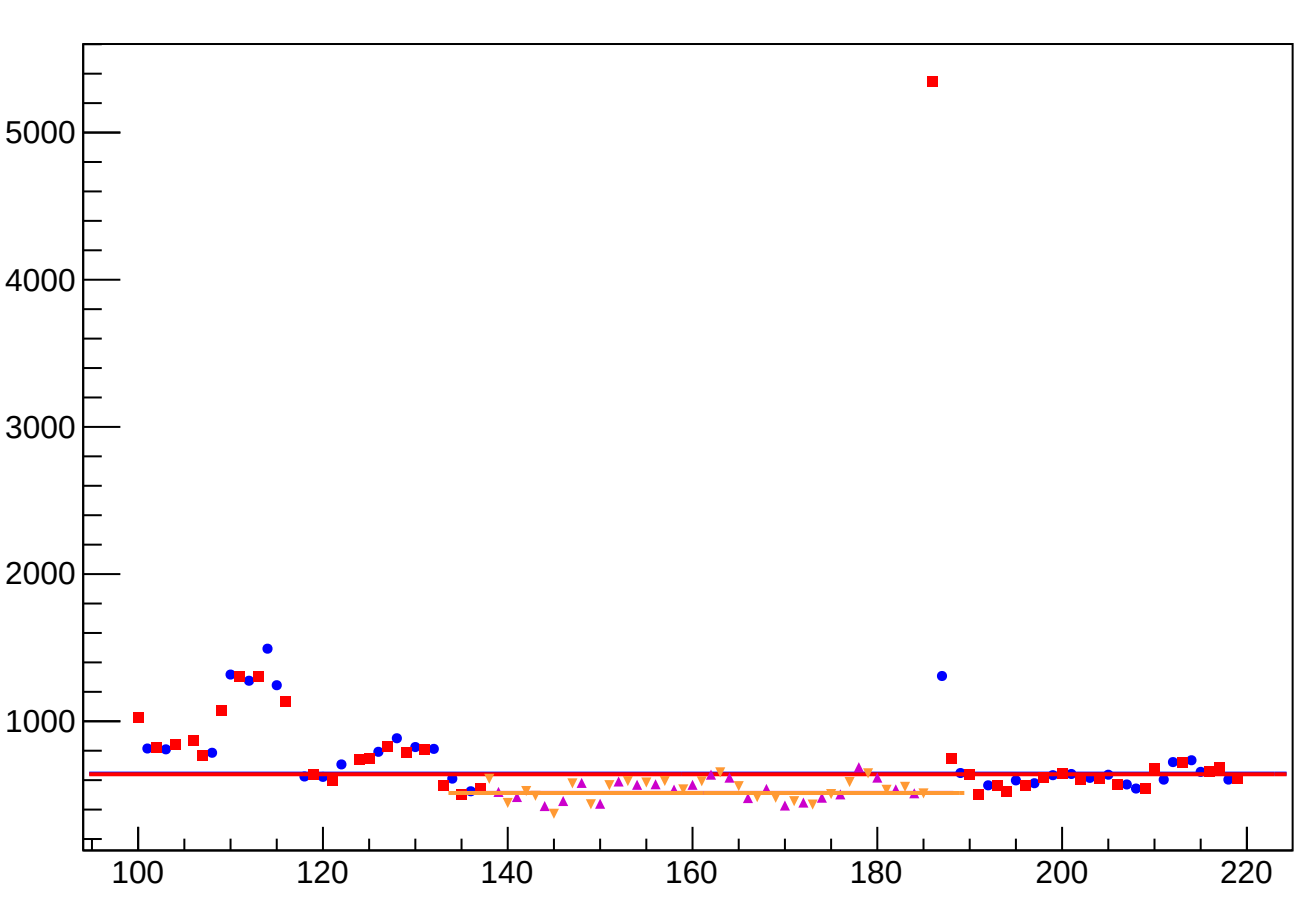
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -261.314+/-101.862 χ^2/NDF: 178.8/68

In: 154.440+/-93.428 χ^2/NDF:65.4/54

Out: -126.218+/-90.793 χ^2/NDF:187.9/61

All: 10.097+/-65.112 χ^2/NDF: 257.9/116



Right In: 644.339+/-0.103 χ^2/NDF: 1327842.1/31

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 639.929+/-0.100 χ^2/NDF: 2170663.7/36

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

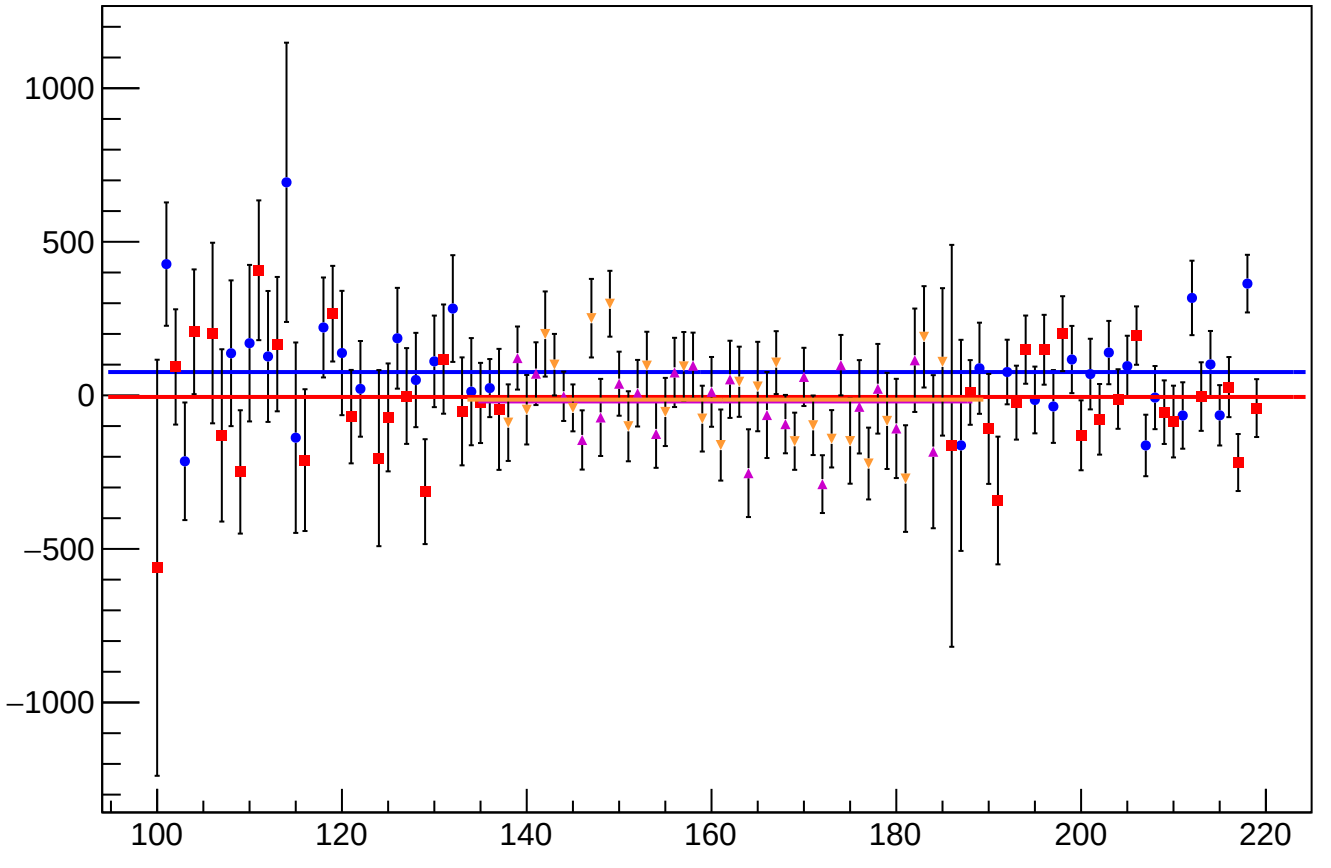
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 642.068+/-0.072 χ^2/NDF: 3499442.1/68

In: 566.819+/-0.066 χ^2/NDF:2911107.9/54

Out: 564.789+/-0.064 χ^2/NDF:3918259.6/61

All: 565.775+/-0.046 χ^2/NDF: 6829853.4/116



Right In: 75.883+/-23.355 χ^2/NDF: 37.5/31

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -5.220+/-22.899 χ^2/NDF: 38.6/36

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

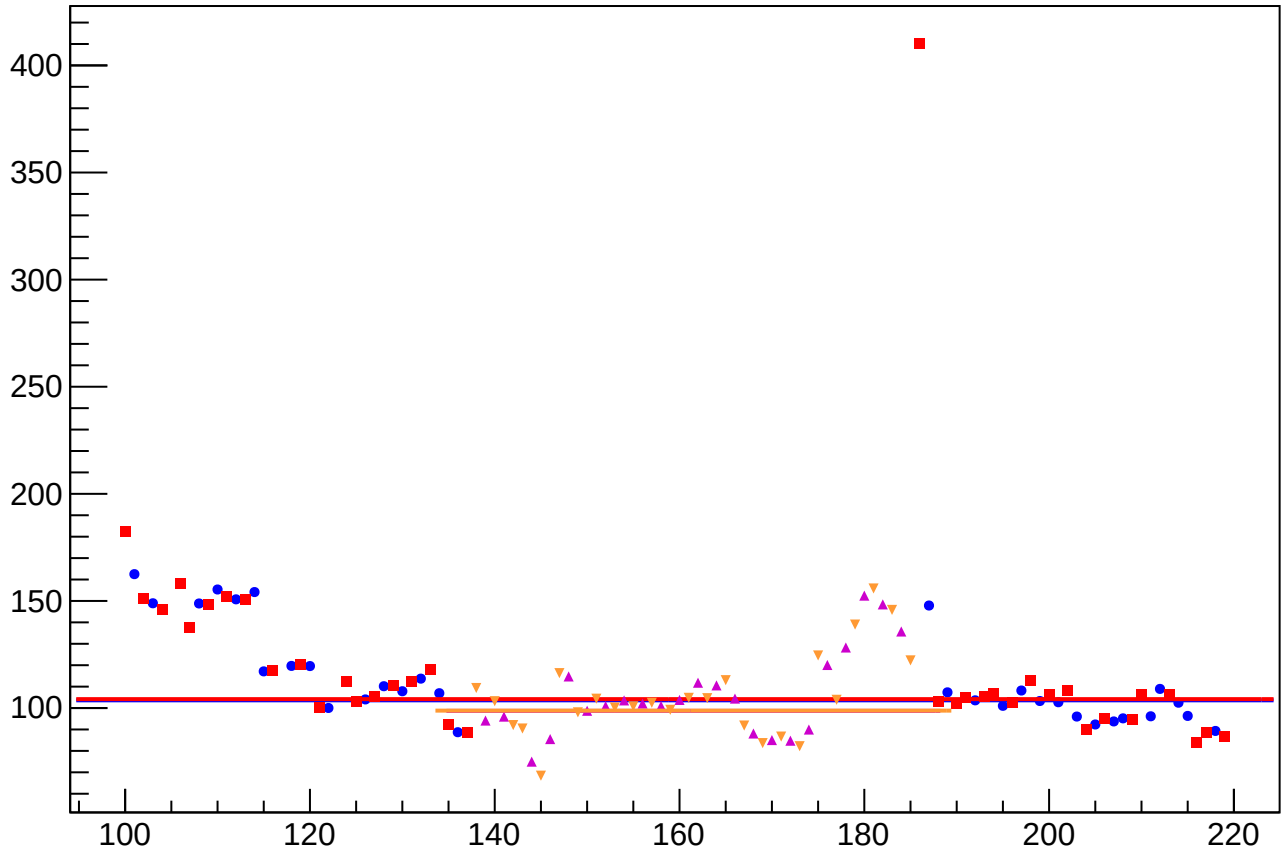
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 34.532+/-16.351 χ^2/NDF: 82.3/68

In: 28.479+/-16.590 χ^2/NDF:69.2/54

Out: -9.560+/-16.198 χ^2/NDF:75.0/61

All: 9.005+/-11.590 χ^2/NDF: 146.9/116



Right In: 103.610+/-0.017 χ^2/NDF: 840039.4/31

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 104.166+/-0.016 χ^2/NDF: 1430026.2/36

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

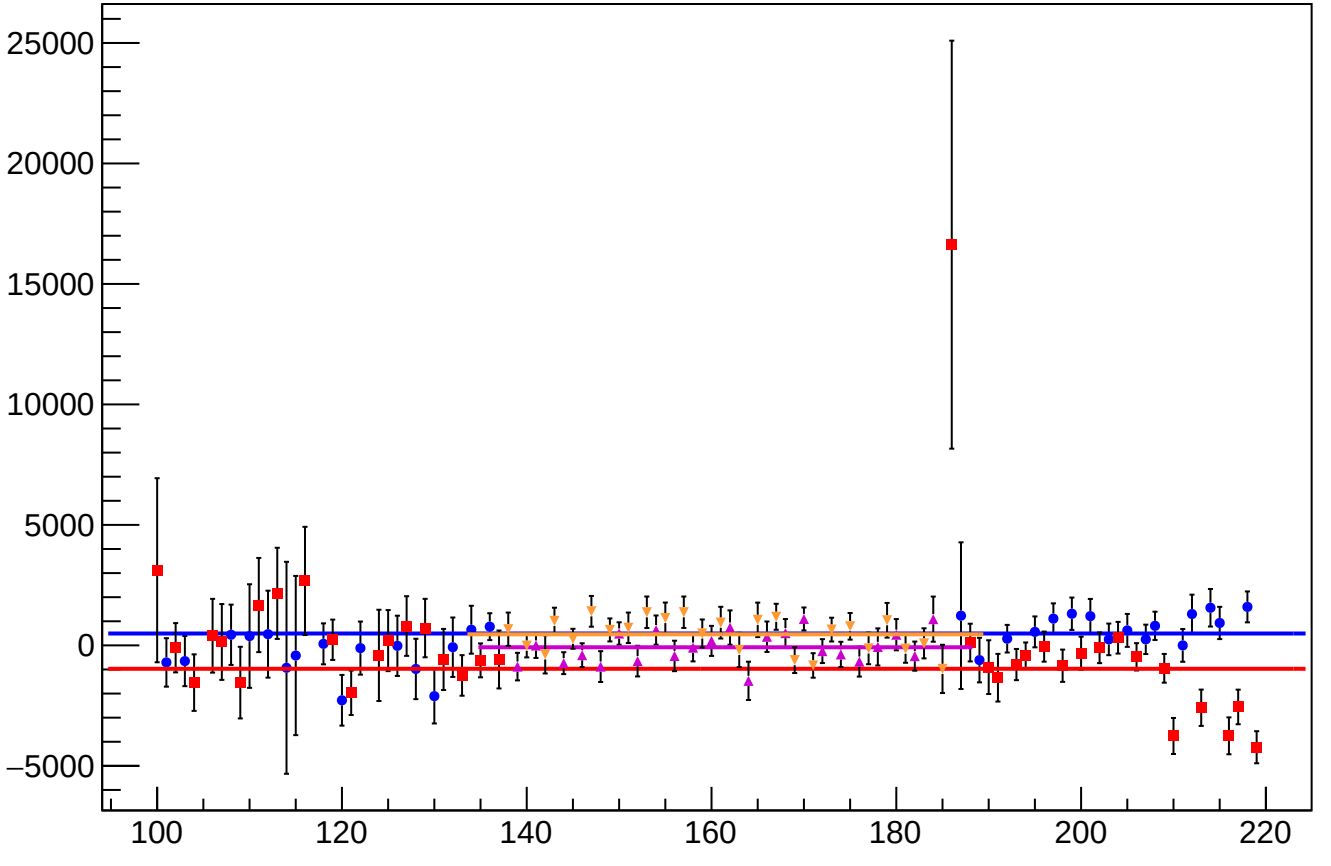
Right: 103.894+/-0.012 χ^2/NDF: 2270643.0/68

In: 101.164+/-0.012 χ^2/NDF:1872131.1/54

Out: 101.484+/-0.011 χ^2/NDF:2670736.6/61

All: 101.328+/-0.008 χ^2/NDF: 4543248.7/116

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 492.735+/-146.253 χ^2/NDF: 30.1/31

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -971.670+/-141.952 χ^2/NDF: 97.0/36

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

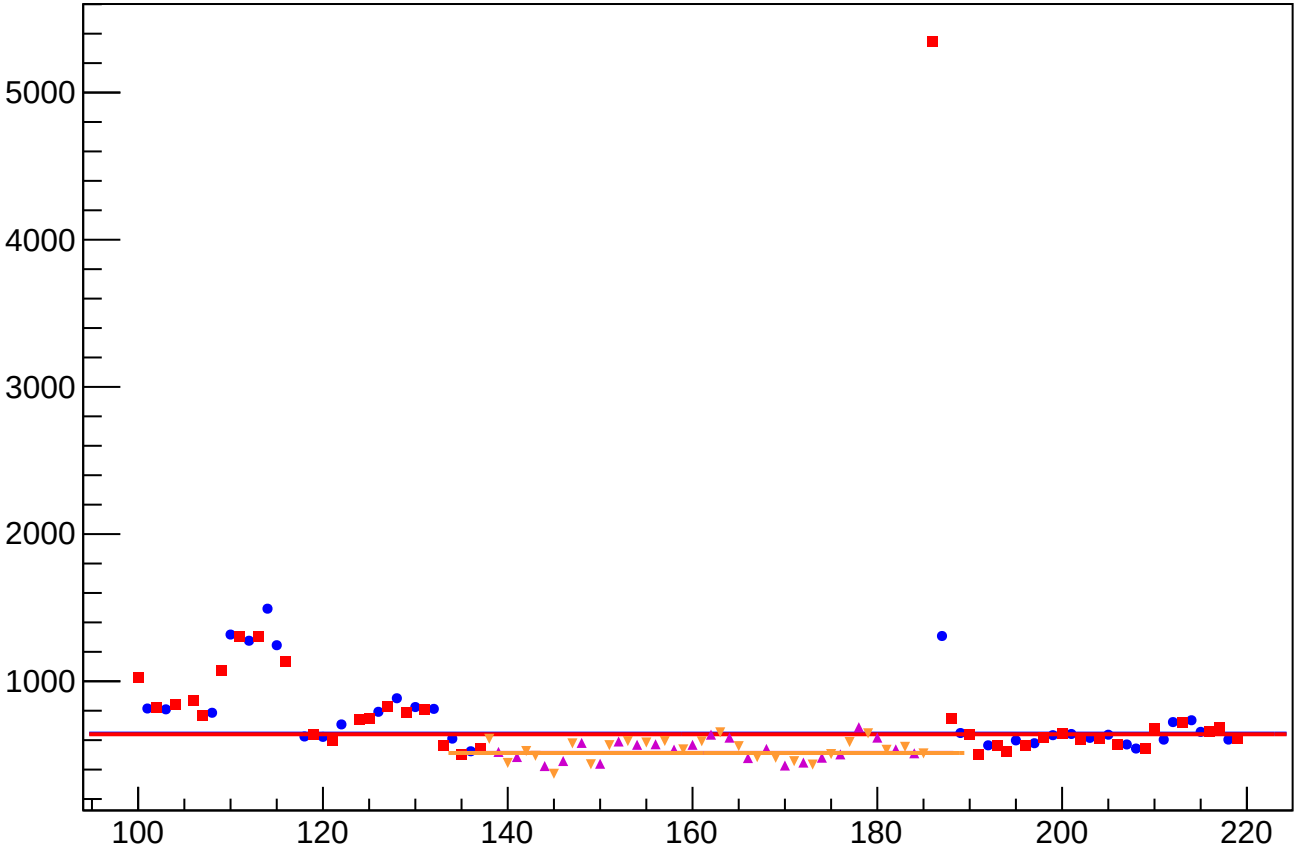
Right: -261.313+/-101.862 χ^2/NDF: 178.8/68

In: 154.440+/-93.428 χ^2/NDF:65.4/54

Out: -126.219+/-90.793 χ^2/NDF:187.9/61

All: 10.097+/-65.112 χ^2/NDF: 257.9/116

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 644.338+/-0.103 χ^2/NDF: 1327838.1/31

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 639.928+/-0.100 χ^2/NDF: 2170661.0/36

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

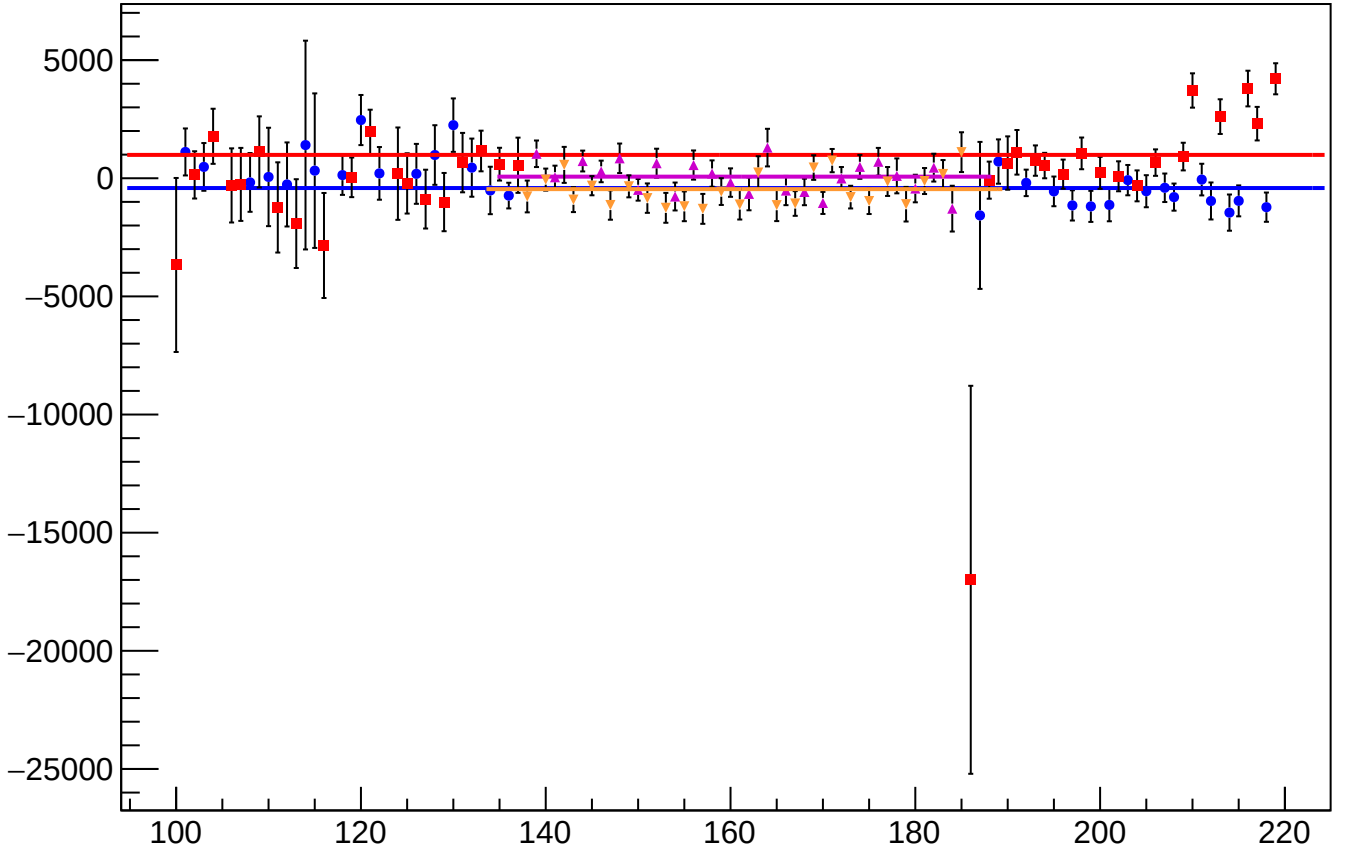
Right: 642.067+/-0.072 χ^2/NDF: 3499435.6/68

In: 566.819+/-0.066 χ^2/NDF:2911094.2/54

Out: 564.788+/-0.064 χ^2/NDF:3918245.8/61

All: 565.774+/-0.046 χ^2/NDF: 6829826.0/116

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -413.930+/-144.015 χ^2/NDF: 30.7/31

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 988.619+/-140.643 χ^2/NDF: 97.0/36

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

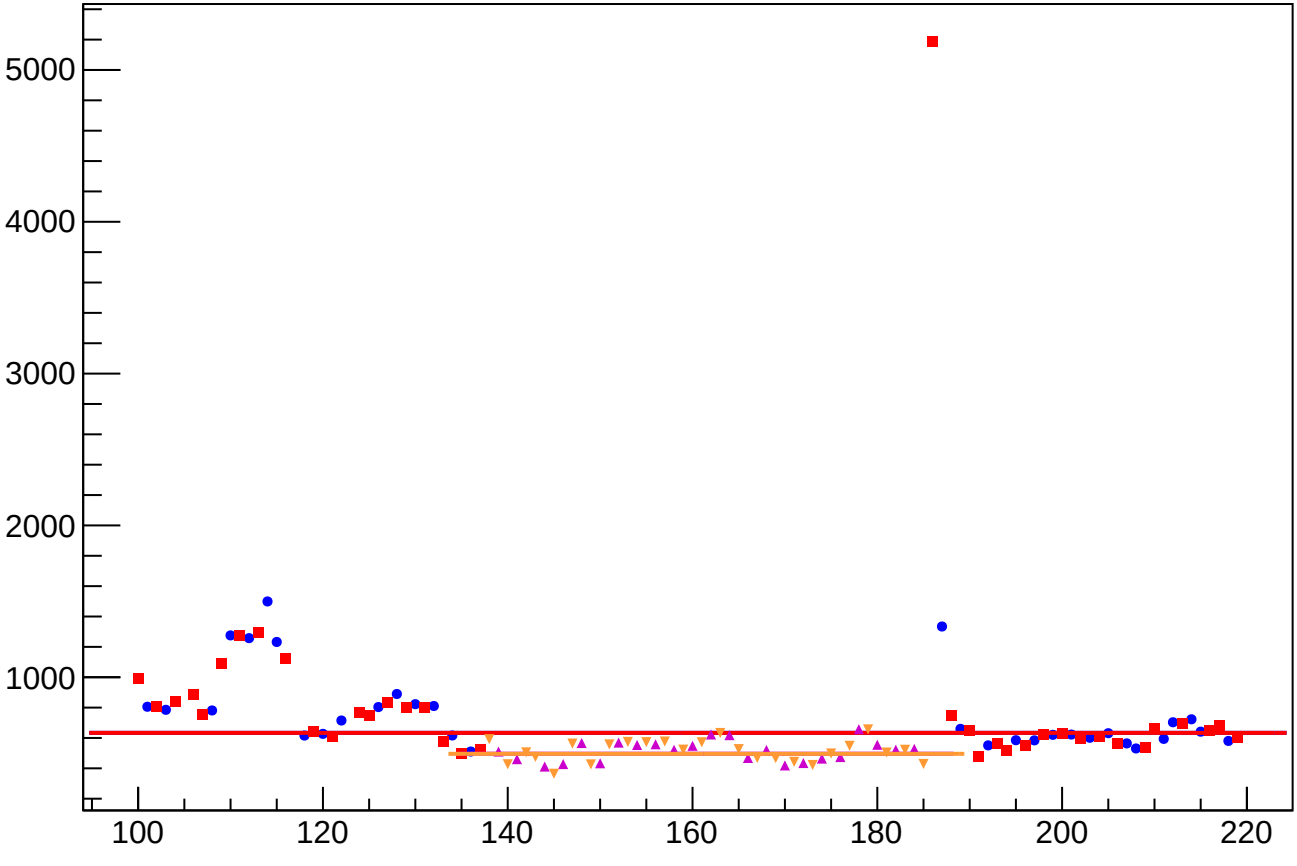
Right: 303.957+/-100.620 χ^2/NDF: 176.3/68

In: -124.310+/-90.980 χ^2/NDF:66.0/54

Out: 115.882+/-88.670 χ^2/NDF:191.7/61

All: -1.126+/-63.500 χ^2/NDF: 261.4/116

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 633.815+/-0.102 χ^2/NDF: 1375384.5/31

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 633.517+/-0.099 χ^2/NDF: 2214877.5/36

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

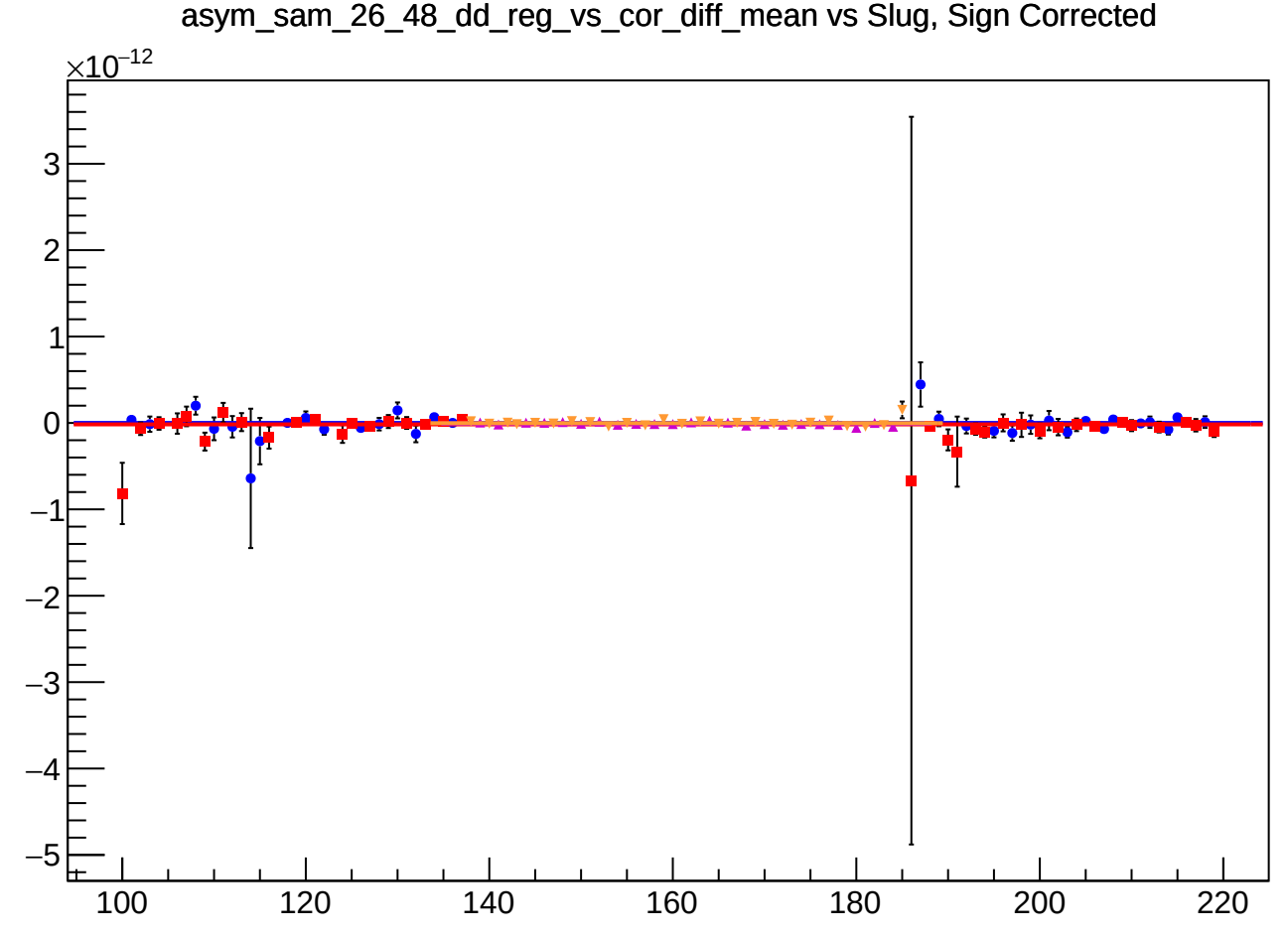
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 633.663+/-0.071 χ^2/NDF: 3590266.4/68

In: 551.186+/-0.064 χ^2/NDF:3093403.4/54

Out: 550.368+/-0.063 χ^2/NDF:4179759.5/61

All: 550.766+/-0.045 χ^2/NDF: 7273245.9/116



Right In: 0.000+/-0.000 χ^2/NDF: 32.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/36

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

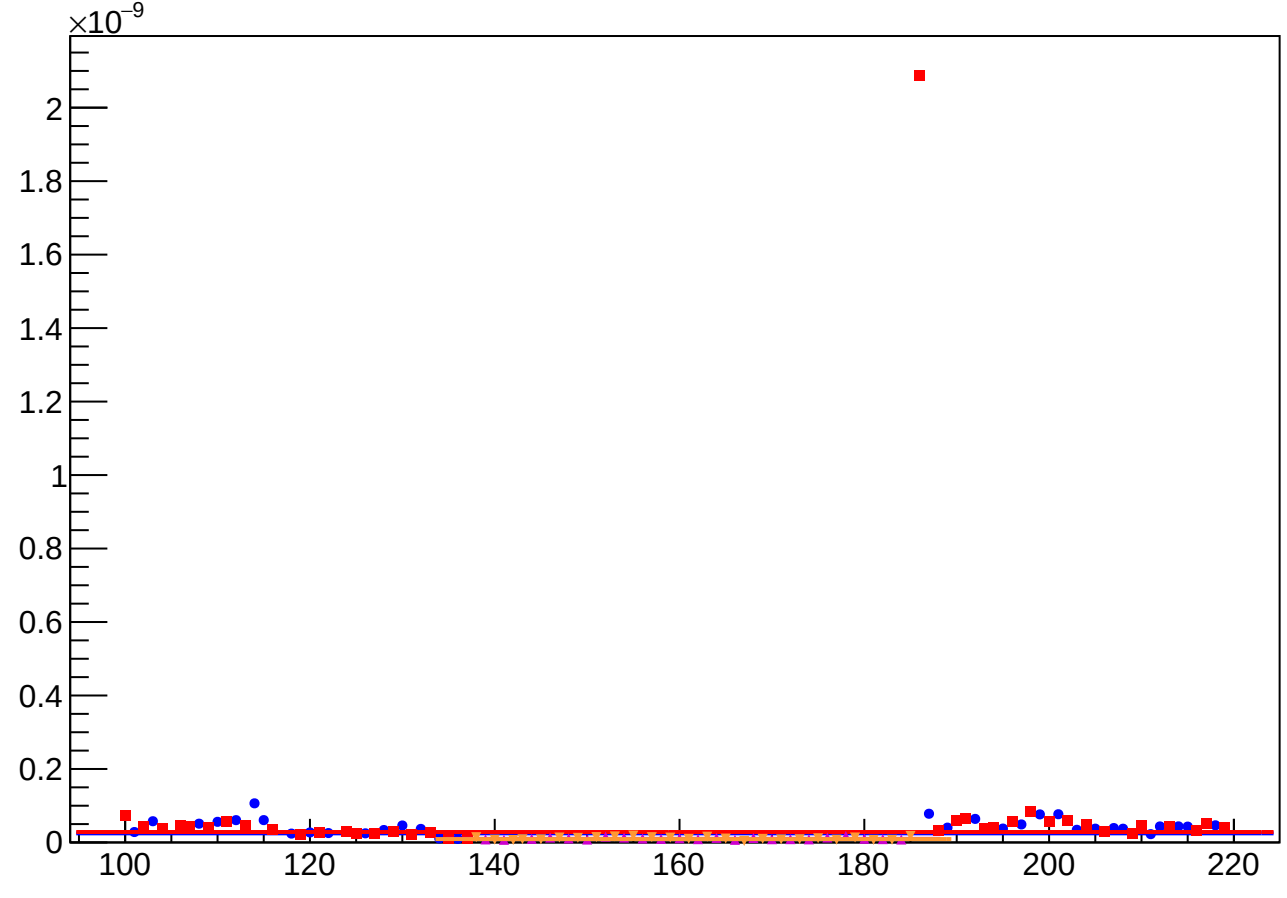
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: -0.000+/-0.000 χ^2/NDF: 62.6/68

In: -0.000+/-0.000 χ^2/NDF:49.0/54

Out: -0.000+/-0.000 χ^2/NDF:55.2/61

All: -0.000+/-0.000 χ^2/NDF: 104.5/116



Right In: 0.000+/-0.000 χ^2/NDF: 6090481.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4707532.0/36

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

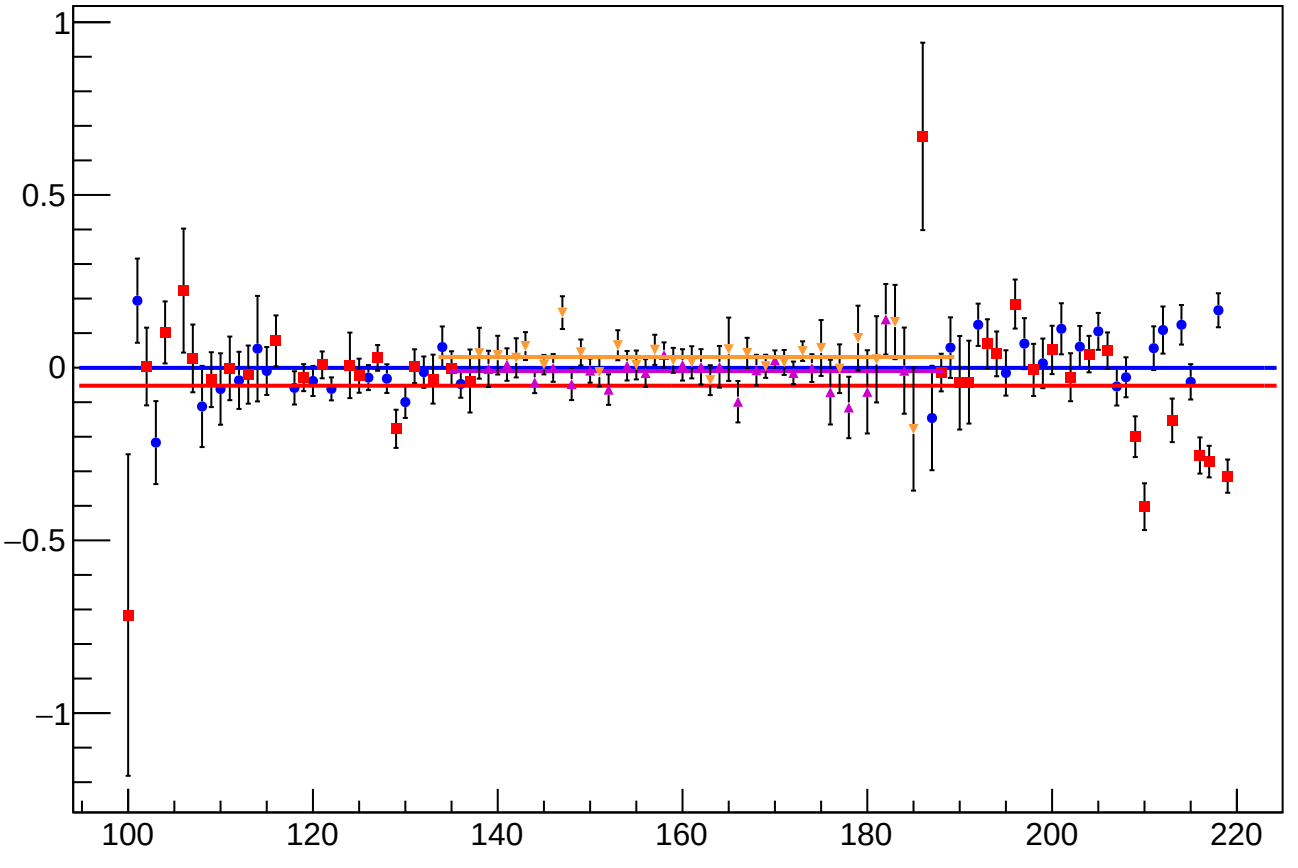
Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

Right: 0.000+/-0.000 χ^2/NDF: 10934134.3/68

In: 0.000+/-0.000 χ^2/NDF:11083618.2/54

Out: 0.000+/-0.000 χ^2/NDF:12884592.7/61

All: 0.000+/-0.000 χ^2/NDF: 23992892.2/116



Right In: -0.001+/-0.010 χ^2/NDF: 56.4/31

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.052+/-0.010 χ^2/NDF: 163.8/36

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

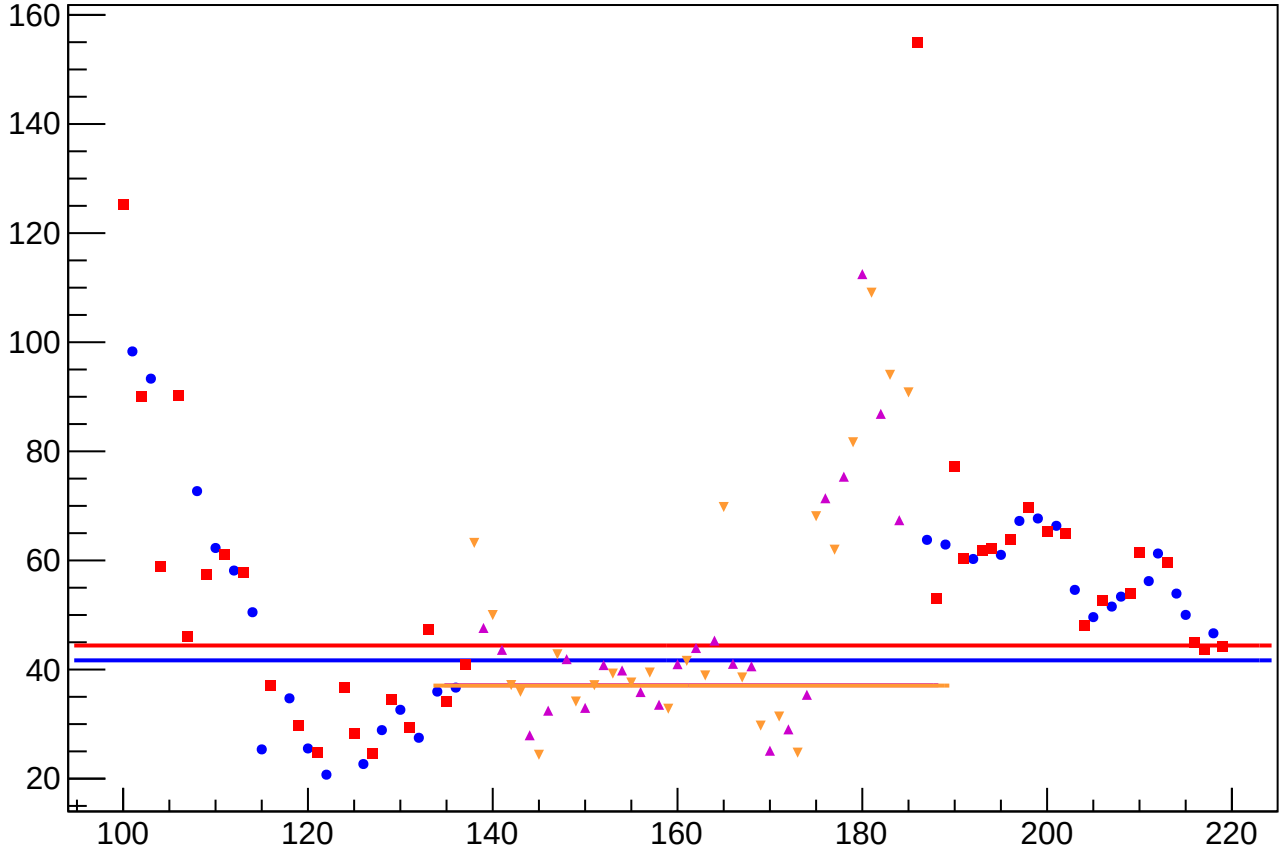
Right: -0.026+/-0.007 χ^2/NDF: 233.0/68

In: -0.006+/-0.007 χ^2/NDF:70.0/54

Out: -0.006+/-0.007 χ^2/NDF:218.1/61

All: -0.006+/-0.005 χ^2/NDF: 288.2/116

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.684+/-0.007 χ^2/NDF: 5349659.1/31

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 44.408+/-0.007 χ^2/NDF: 4587240.6/36

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

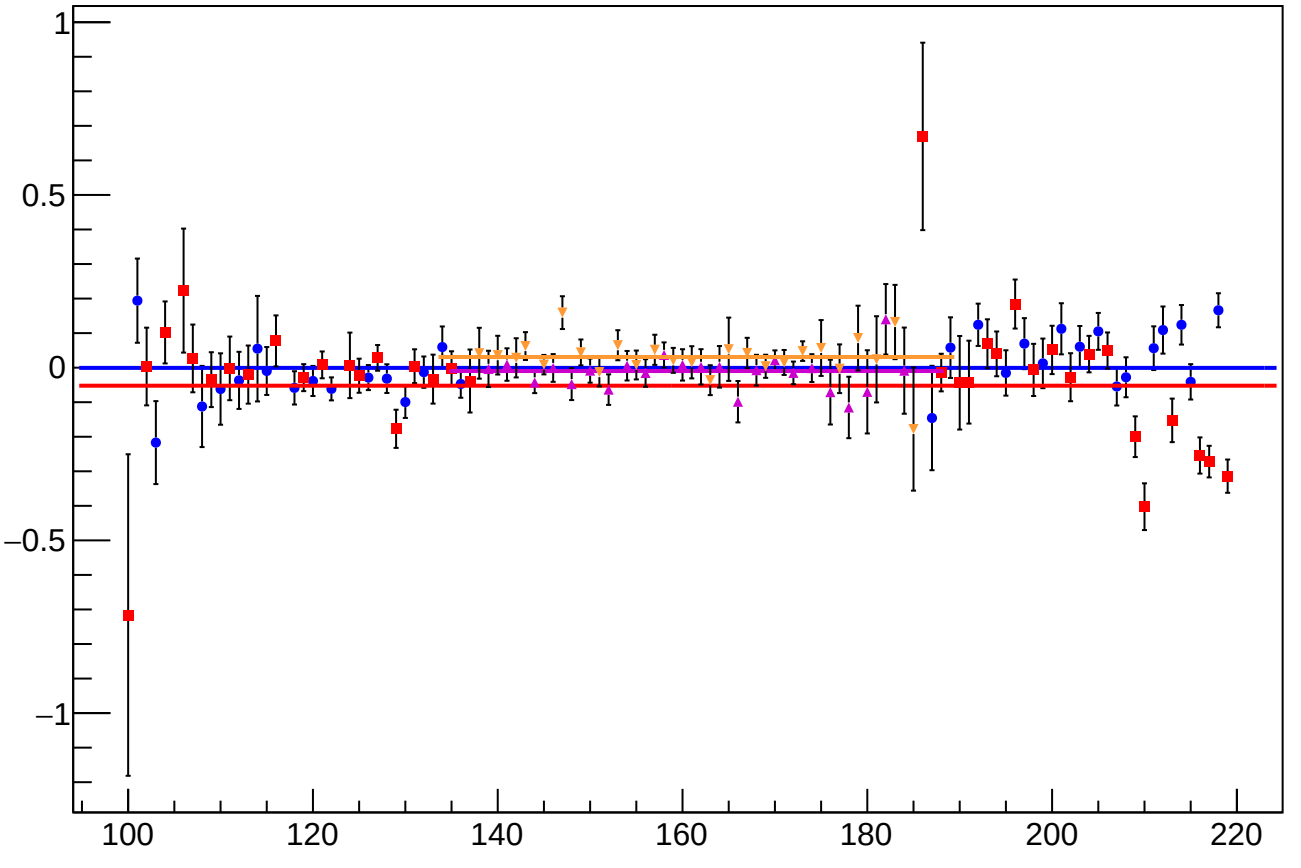
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 43.019+/-0.005 χ^2/NDF: 10008335.0/68

In: 39.239+/-0.005 χ^2/NDF:8581447.4/54

Out: 40.292+/-0.005 χ^2/NDF:9211932.1/61

All: 39.768+/-0.003 χ^2/NDF: 17817039.4/116



Right In: -0.001+/-0.010 χ^2/NDF: 56.4/31

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.052+/-0.010 χ^2/NDF: 163.8/36

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

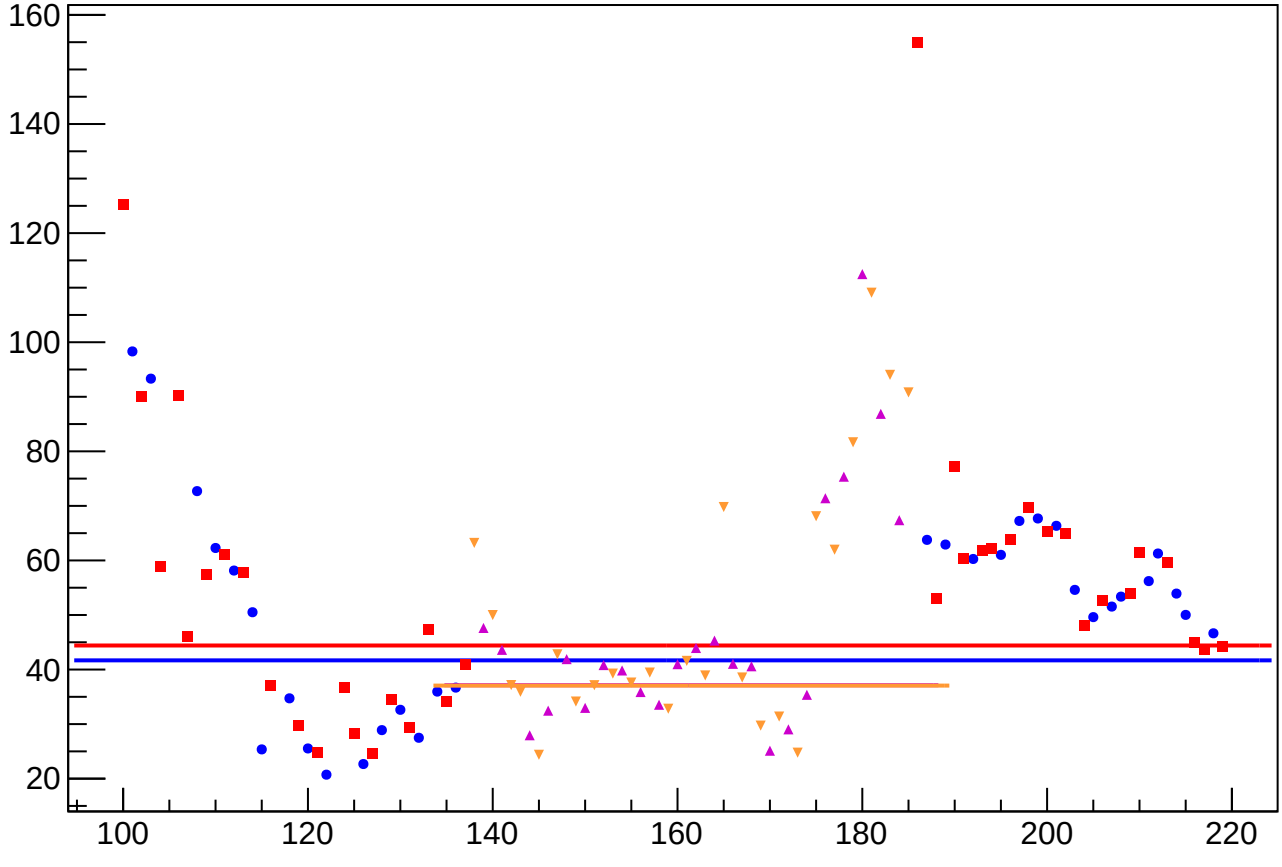
Right: -0.026+/-0.007 χ^2/NDF: 233.0/68

In: -0.006+/-0.007 χ^2/NDF:70.0/54

Out: -0.006+/-0.007 χ^2/NDF:218.1/61

All: -0.006+/-0.005 χ^2/NDF: 288.2/116

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.684+/-0.007 χ^2/NDF: 5349659.1/31

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 44.408+/-0.007 χ^2/NDF: 4587240.6/36

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

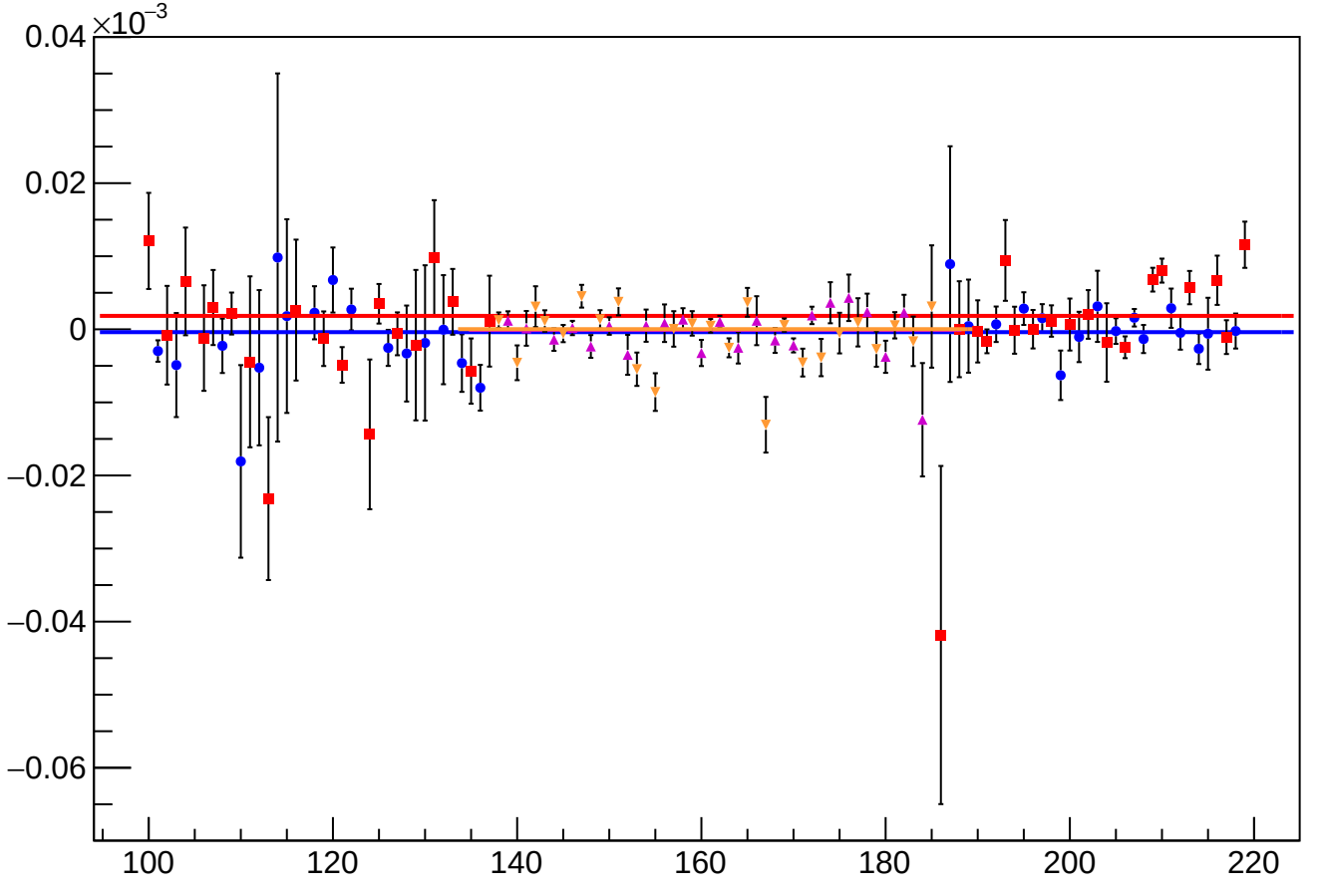
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 43.019+/-0.005 χ^2/NDF: 10008335.0/68

In: 39.239+/-0.005 χ^2/NDF:8581447.4/54

Out: 40.292+/-0.005 χ^2/NDF:9211932.1/61

All: 39.768+/-0.003 χ^2/NDF: 17817039.4/116



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 84.4/36

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

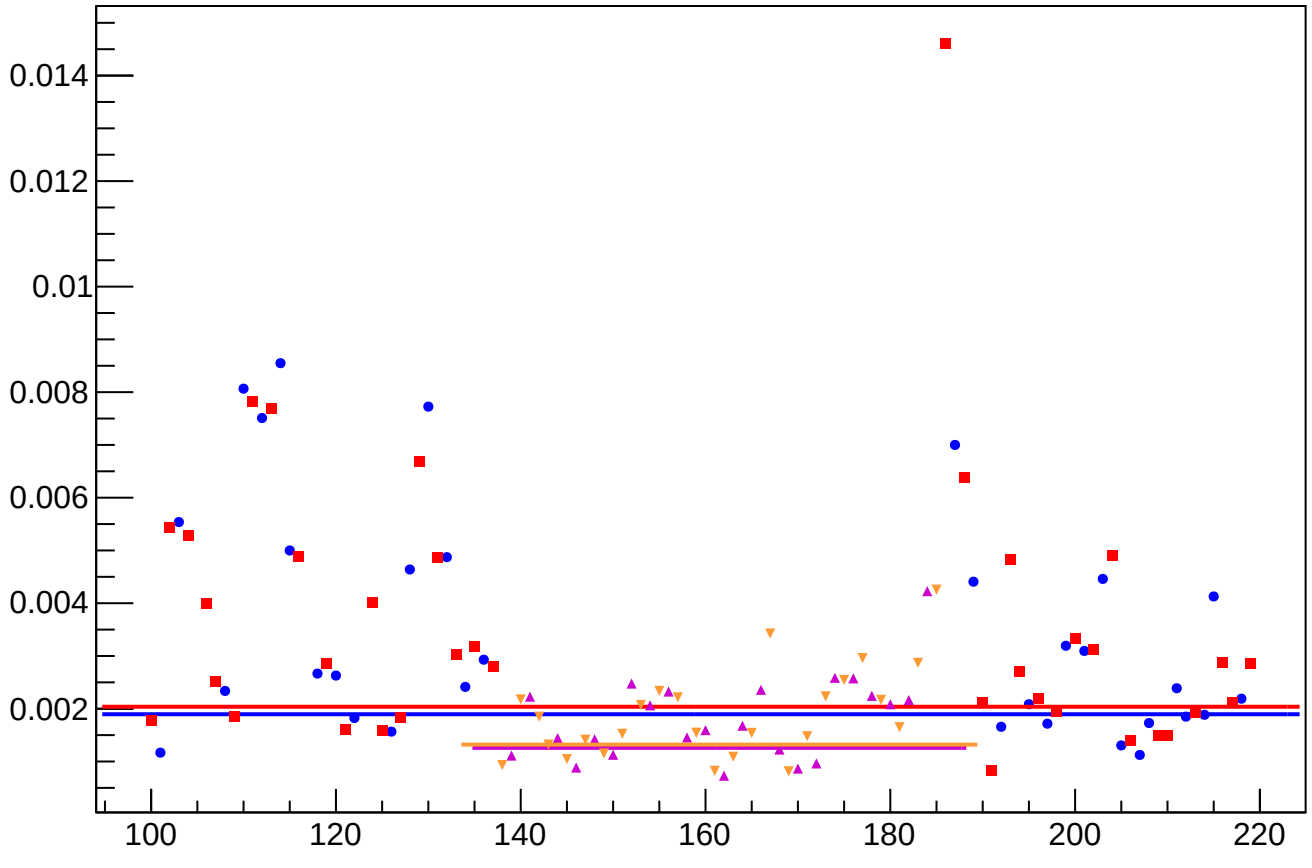
Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

Right: 0.000+/-0.000 χ^2/NDF: 125.4/68

In: -0.000+/-0.000 χ^2/NDF:63.6/54

Out: 0.000+/-0.000 χ^2/NDF:160.9/61

All: 0.000+/-0.000 χ^2/NDF: 228.1/116



Right In: 0.002+/-0.000 χ^2/NDF: 7227619.2/31

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8782952.8/36

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

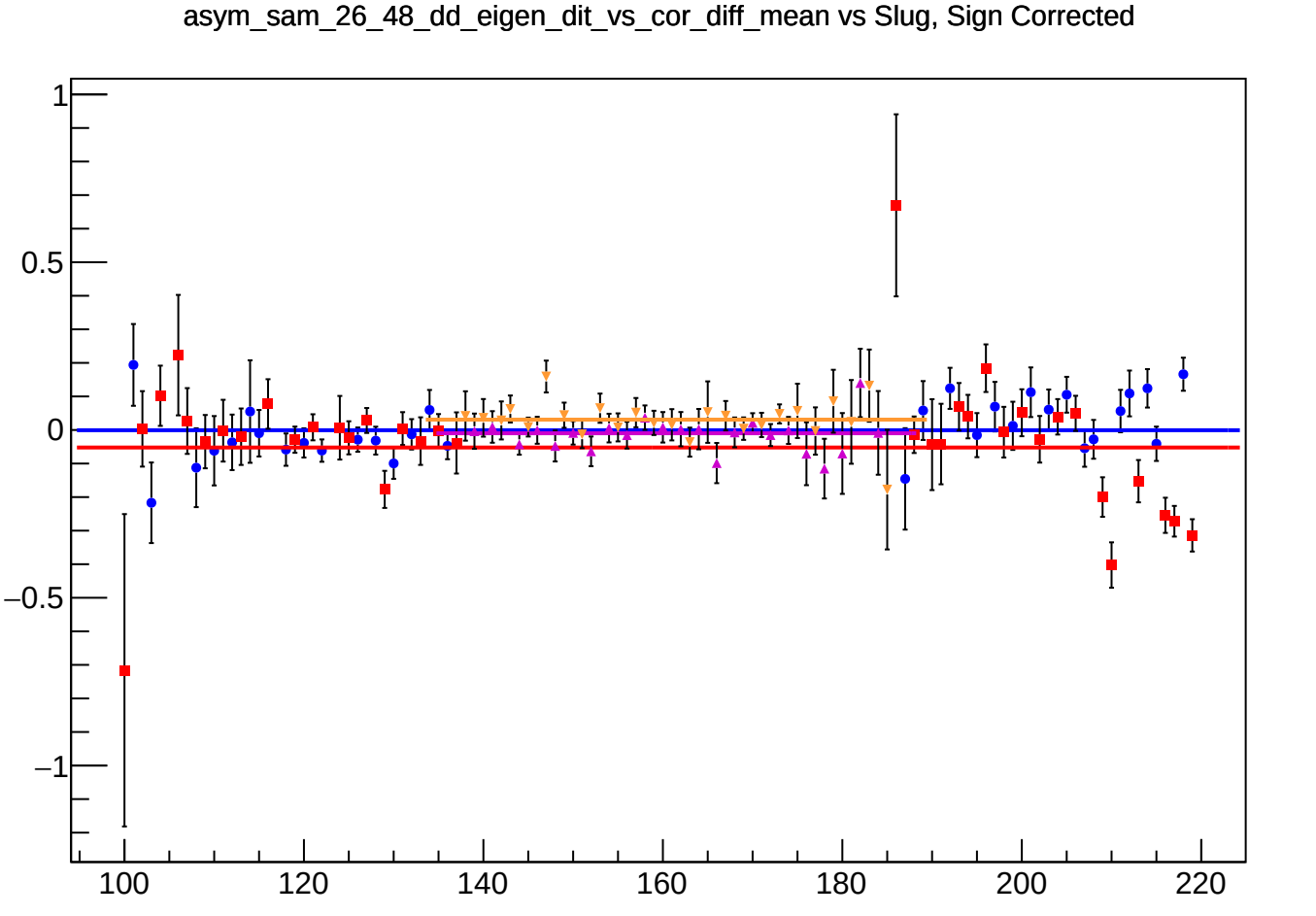
Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

Right: 0.002+/-0.000 χ^2/NDF: 16091137.6/68

In: 0.001+/-0.000 χ^2/NDF:14926563.8/54

Out: 0.002+/-0.000 χ^2/NDF:17197245.3/61

All: 0.001+/-0.000 χ^2/NDF: 32203060.5/116



Right In: -0.001+/-0.010 χ^2/NDF: 56.4/31

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.052+/-0.010 χ^2/NDF: 163.8/36

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

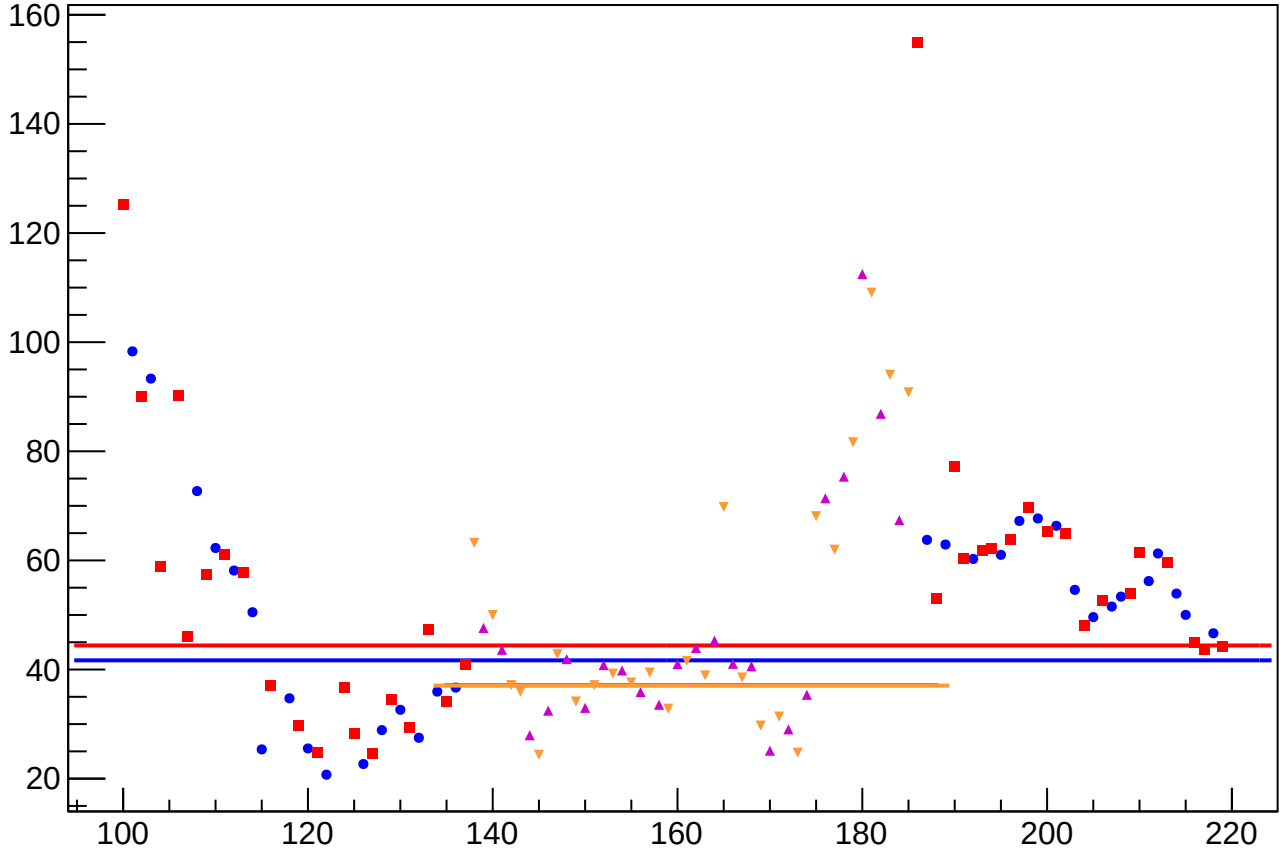
Right: -0.026+/-0.007 χ^2/NDF: 233.0/68

In: -0.006+/-0.007 χ^2/NDF:70.0/54

Out: -0.006+/-0.007 χ^2/NDF:218.1/61

All: -0.006+/-0.005 χ^2/NDF: 288.1/116

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.684+/-0.007 χ^2/NDF: 5349526.7/31

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 44.408+/-0.007 χ^2/NDF: 4587022.2/36

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

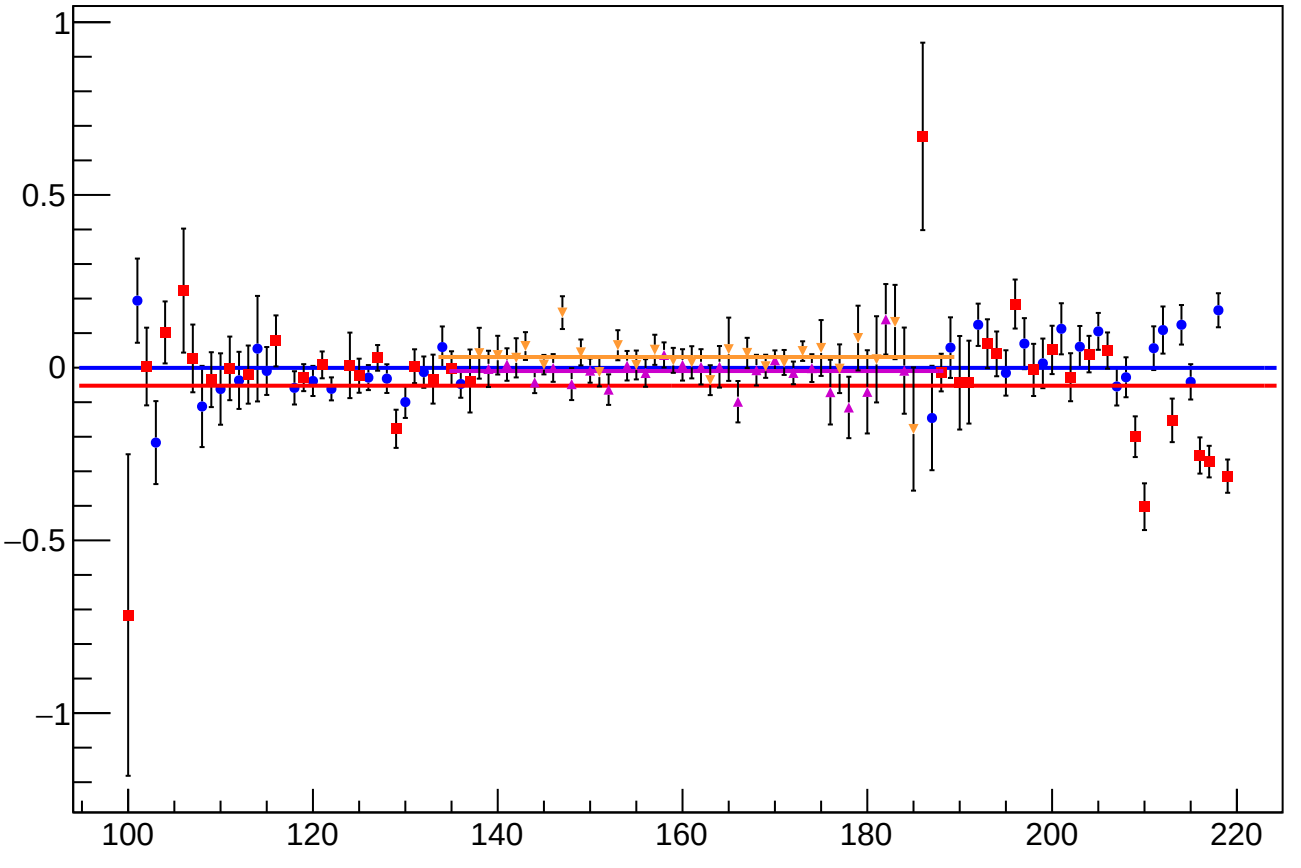
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 43.019+/-0.005 χ^2/NDF: 10007983.3/68

In: 39.239+/-0.005 χ^2/NDF:8581320.3/54

Out: 40.292+/-0.005 χ^2/NDF:9211772.5/61

All: 39.769+/-0.003 χ^2/NDF: 17816752.5/116



Right In: -0.001+/-0.010 χ^2/NDF: 56.4/31

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.052+/-0.010 χ^2/NDF: 163.8/36

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

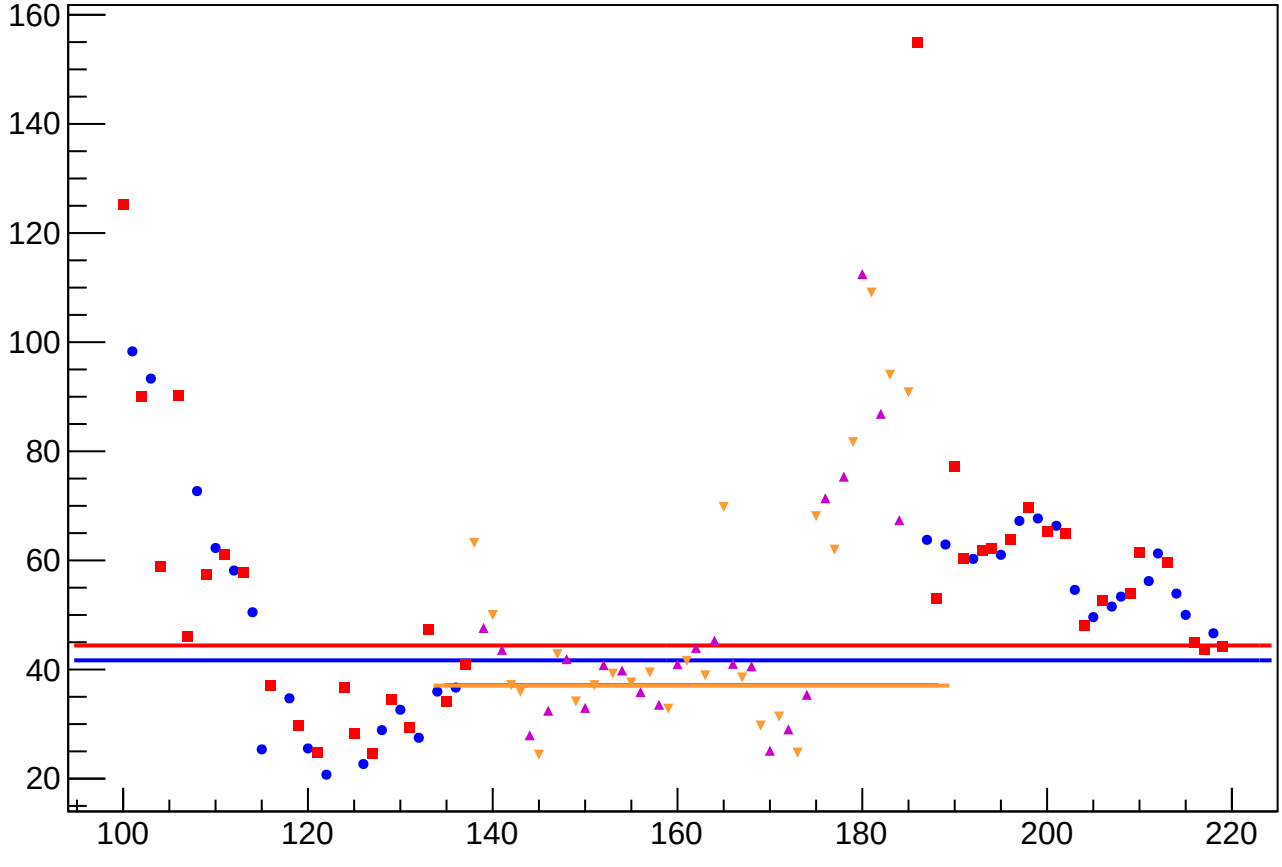
Right: -0.026+/-0.007 χ^2/NDF: 233.0/68

In: -0.006+/-0.007 χ^2/NDF:70.0/54

Out: -0.006+/-0.007 χ^2/NDF:218.1/61

All: -0.006+/-0.005 χ^2/NDF: 288.1/116

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.684+/-0.007 χ^2/NDF: 5349526.7/31

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 44.408+/-0.007 χ^2/NDF: 4587022.2/36

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

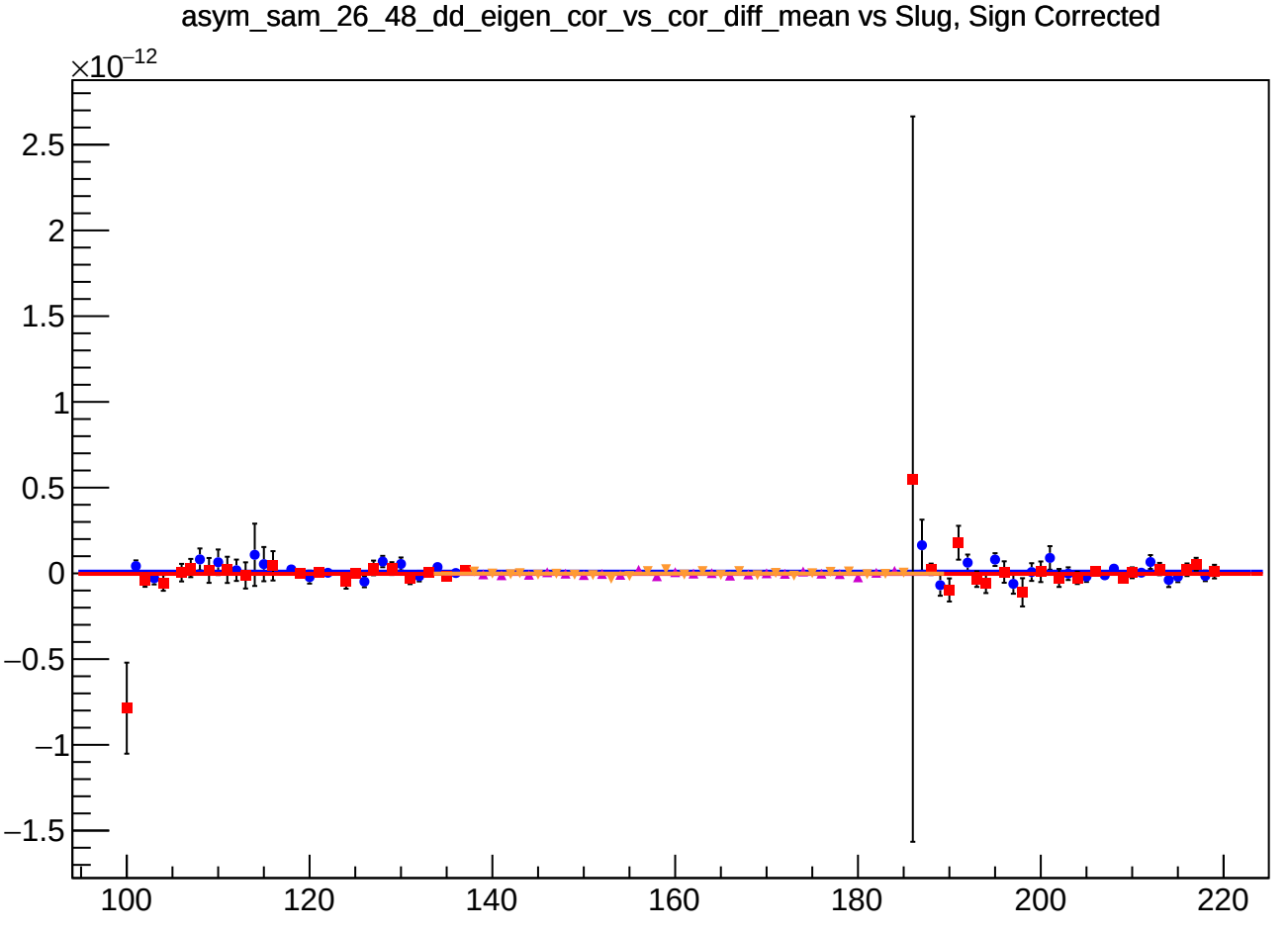
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 43.019+/-0.005 χ^2/NDF: 10007983.3/68

In: 39.239+/-0.005 χ^2/NDF:8581320.3/54

Out: 40.292+/-0.005 χ^2/NDF:9211772.5/61

All: 39.769+/-0.003 χ^2/NDF: 17816752.5/116



Right In: 0.000+/-0.000 χ^2/NDF: 34.3/31

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/36

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

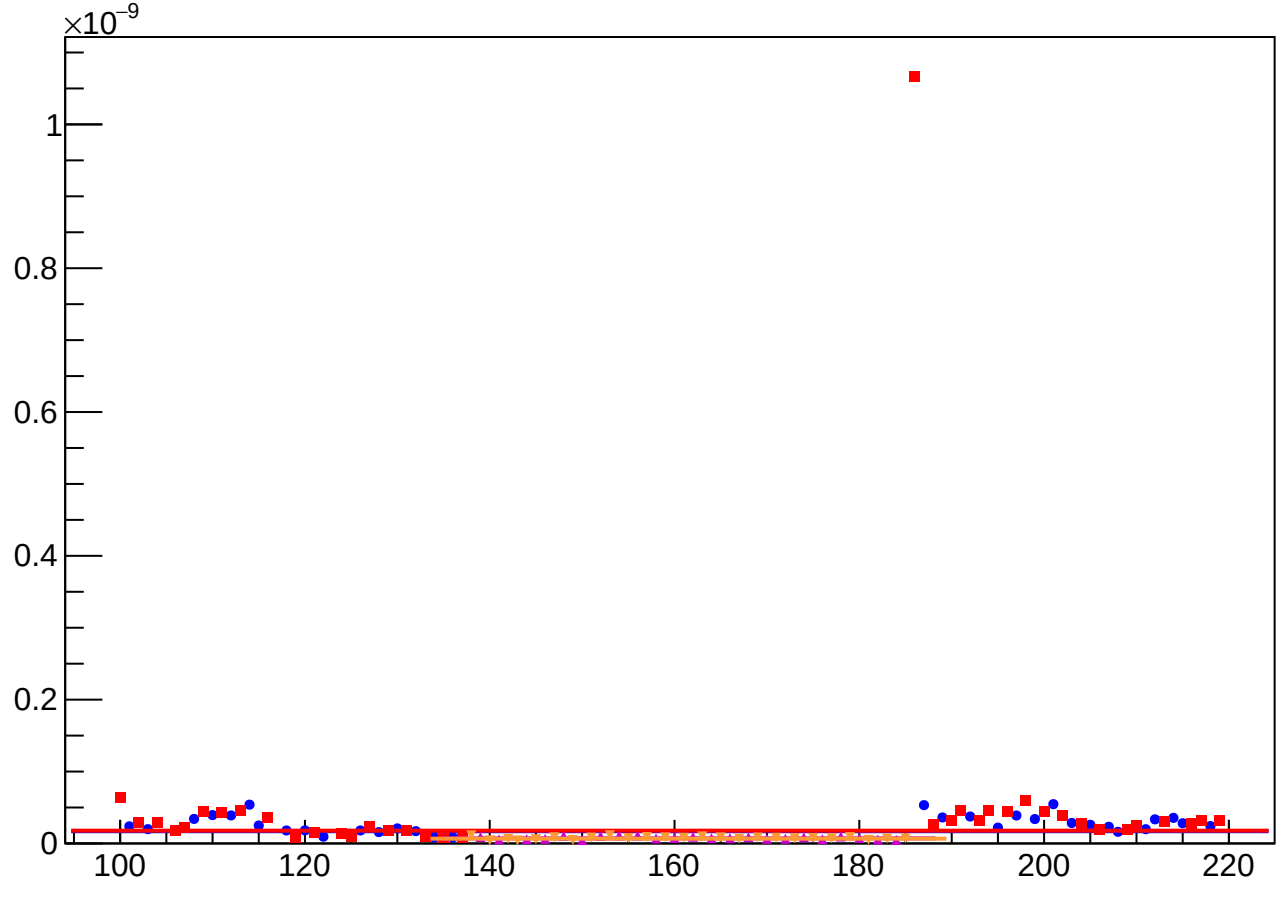
Right: 0.000+/-0.000 χ^2/NDF: 69.8/68

In: -0.000+/-0.000 χ^2/NDF:60.3/54

Out: -0.000+/-0.000 χ^2/NDF:58.5/61

All: -0.000+/-0.000 χ^2/NDF: 118.9/116

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6503749.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8388985.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

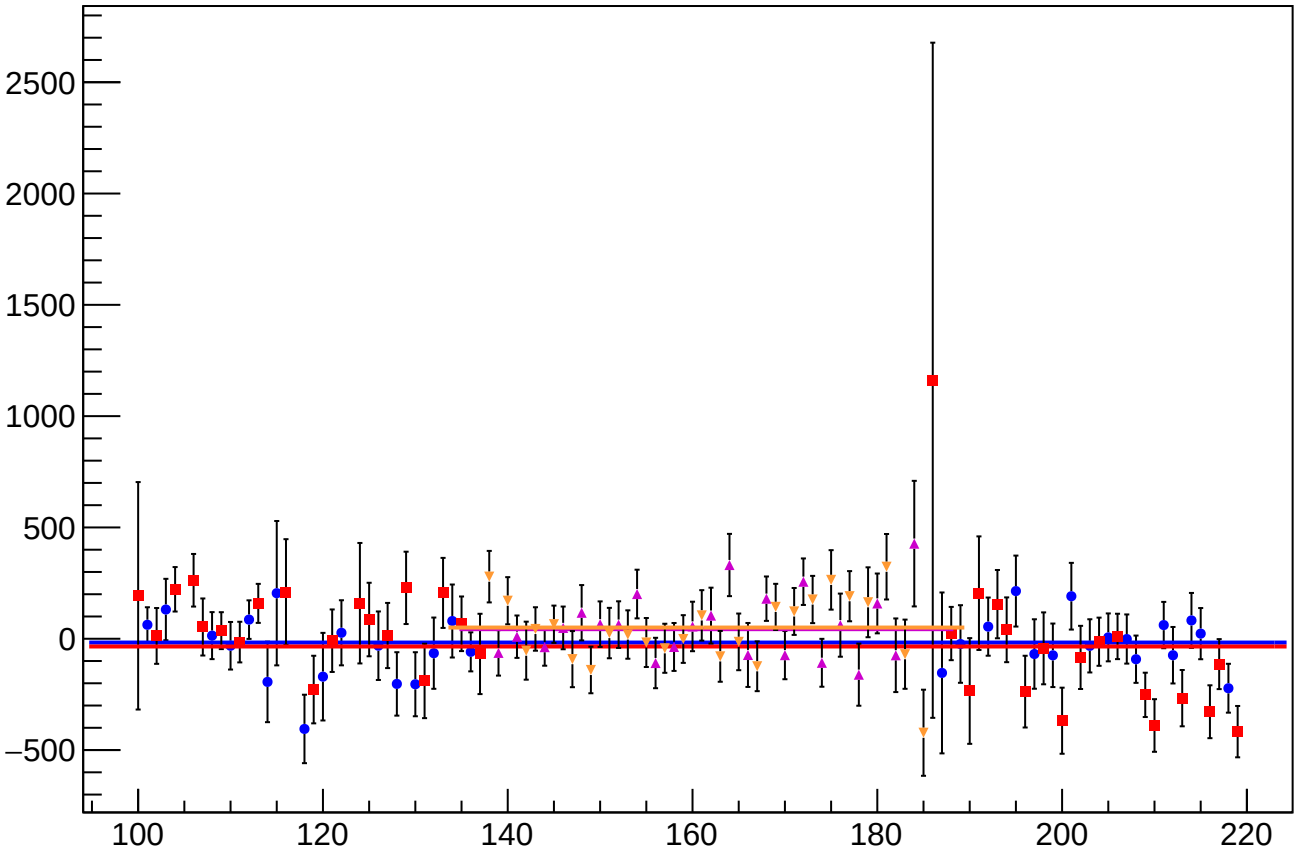
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 14913504.6/68

In: 0.000+/-0.000 χ^2/NDF:14146653.4/54

Out: 0.000+/-0.000 χ^2/NDF:17831837.4/61

All: 0.000+/-0.000 χ^2/NDF: 32050466.9/116



Right In: -17.059+/-22.337 χ^2/NDF: 26.6/31

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -34.788+/-21.704 χ^2/NDF: 75.8/36

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

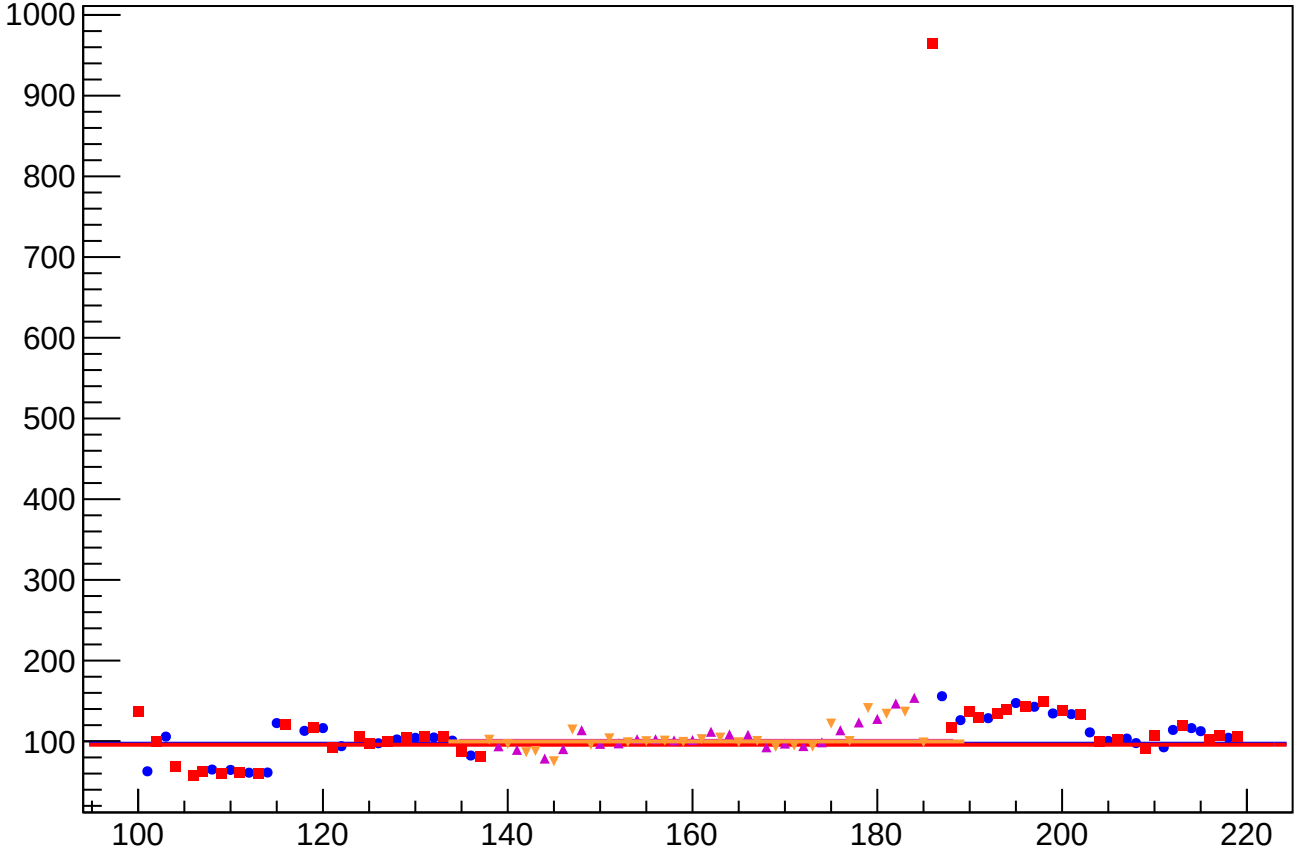
Right: -26.178+/-15.566 χ^2/NDF: 102.8/68

In: 11.132+/-16.274 χ^2/NDF:56.6/54

Out: 5.376+/-15.771 χ^2/NDF:116.5/61

All: 8.163+/-11.326 χ^2/NDF: 173.3/116

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 96.994+/-0.016 χ^2/NDF: 2326161.7/31

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 95.758+/-0.015 χ^2/NDF: 3584528.3/36

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

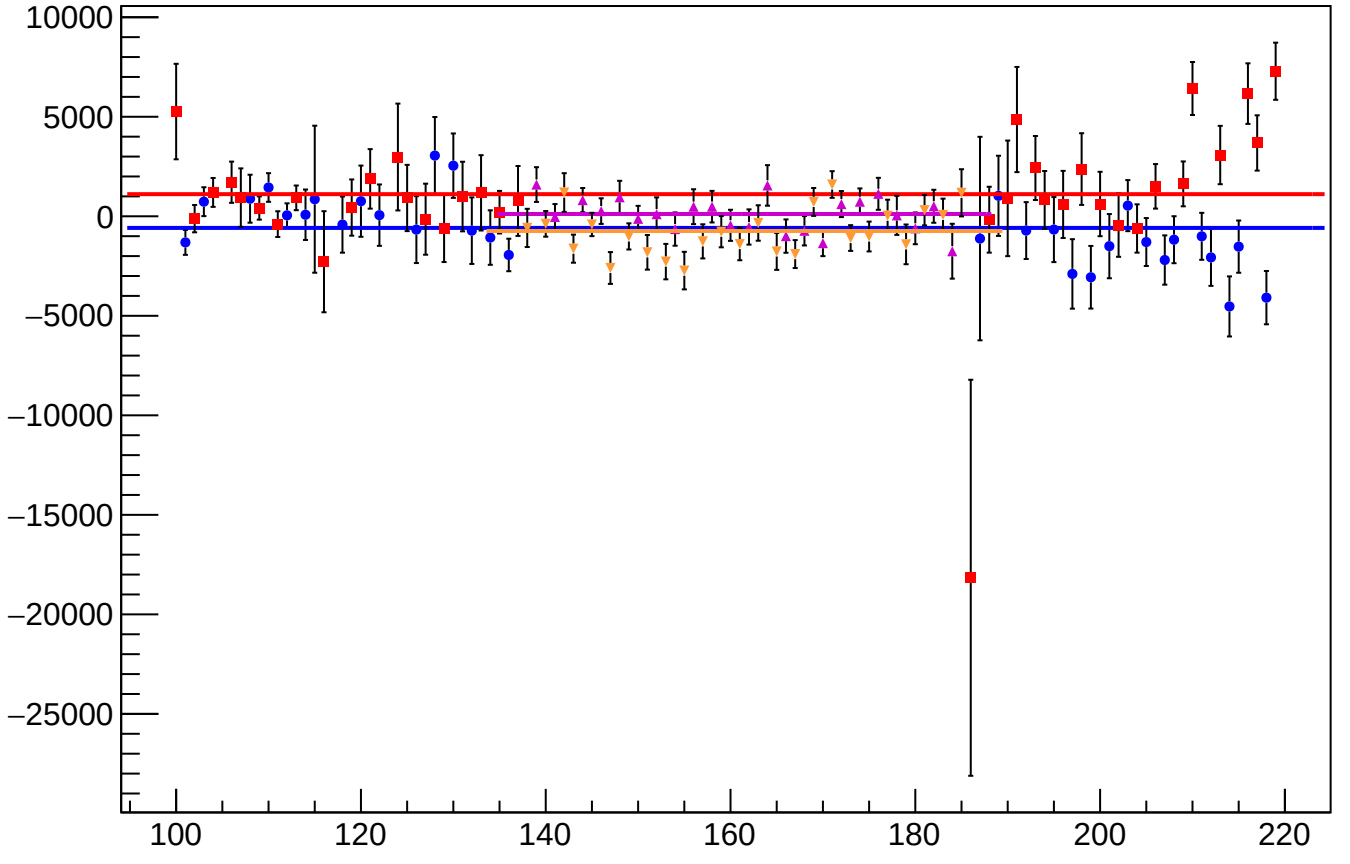
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 96.359+/-0.011 χ^2/NDF: 5913840.2/68

In: 98.638+/-0.012 χ^2/NDF:3006097.7/54

Out: 97.684+/-0.011 χ^2/NDF:4315661.1/61

All: 98.146+/-0.008 χ^2/NDF: 7325303.5/116



Right In: -583.930+/-209.160 χ^2/NDF: 50.2/31

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: 1111.304+/-199.015 χ^2/NDF: 80.3/36

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

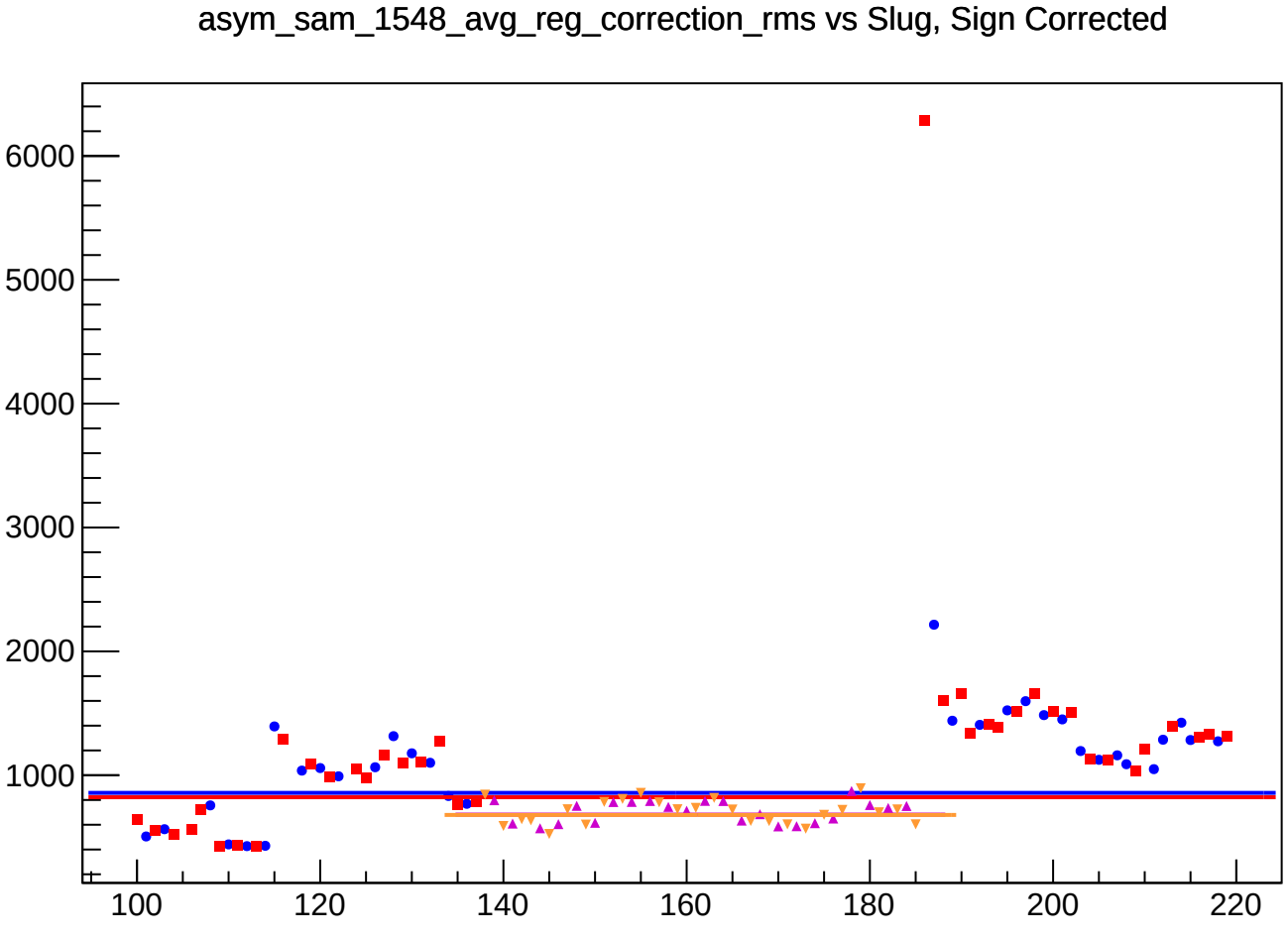
Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

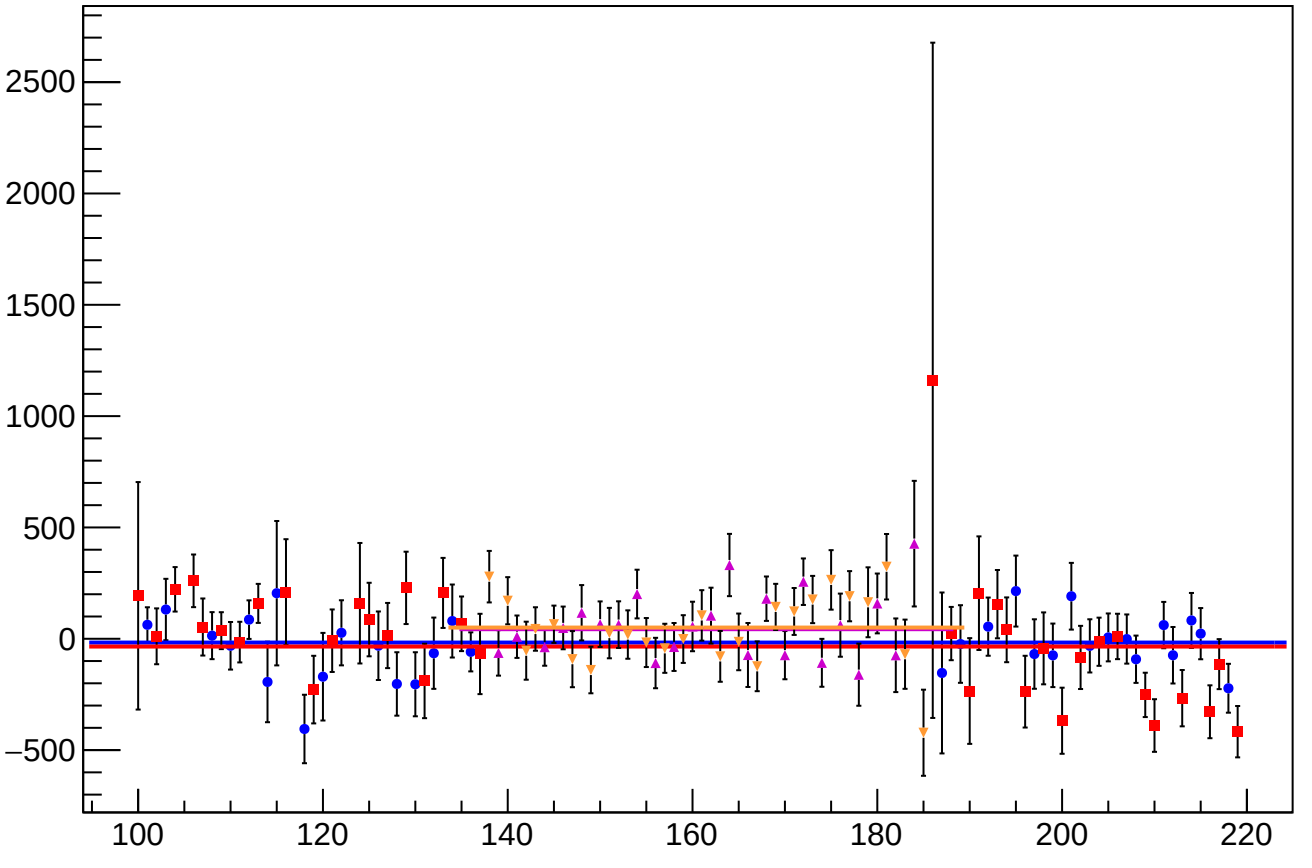
Right: 305.794+/-144.178 χ^2/NDF: 164.9/68

In: -144.622+/-127.576 χ^2/NDF:81.0/54

Out: -32.664+/-122.928 χ^2/NDF:183.3/61

All: -86.566+/-88.521 χ^2/NDF: 264.7/116


asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 857.372+/-0.148 χ²/NDF: 6525062.4/31
Left Out: 679.146+/-0.111 χ²/NDF:737419.7/24
Right Out: 822.098+/-0.141 χ²/NDF: 8656813.9/36
Left In: 681.893+/-0.114 χ²/NDF:573812.4/22
Left: 680.479+/-0.079 χ²/NDF: 1311531.8/47
Right: 838.859+/-0.102 χ²/NDF: 15211731.0/68
In: 747.177+/-0.090 χ²/NDF:7982895.4/54
Out: 733.686+/-0.087 χ²/NDF:10032433.9/61
All: 740.181+/-0.063 χ²/NDF: 18026925.8/11



Right In: -17.061+/-22.337 χ^2/NDF: 26.6/31

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -34.931+/-21.704 χ^2/NDF: 75.7/36

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

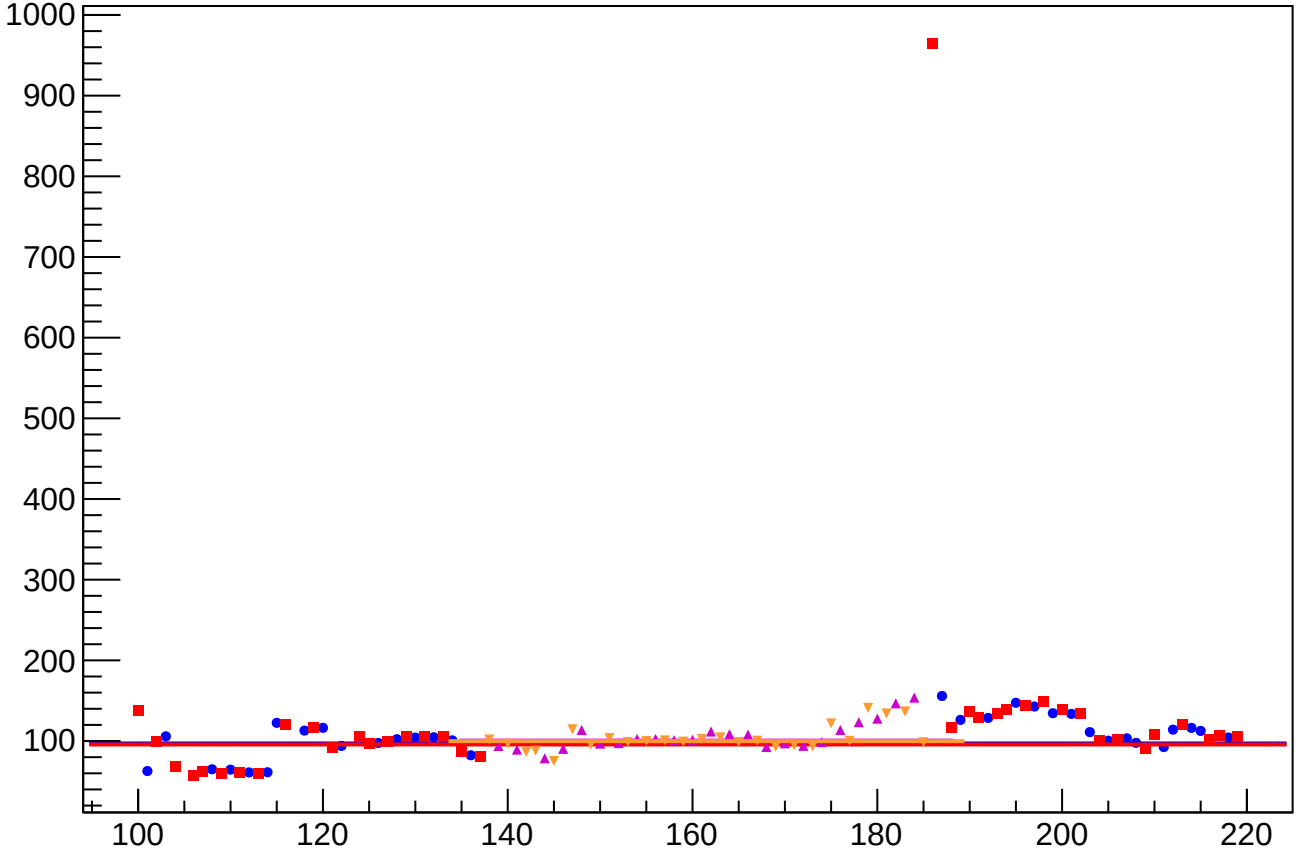
Right: -26.253+/-15.566 χ^2/NDF: 102.7/68

In: 11.131+/-16.274 χ^2/NDF:56.6/54

Out: 5.305+/-15.772 χ^2/NDF:116.4/61

All: 8.127+/-11.326 χ^2/NDF: 173.1/116

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 96.994+/-0.016 χ^2/NDF: 2326162.7/31

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 95.750+/-0.015 χ^2/NDF: 3588036.5/36

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

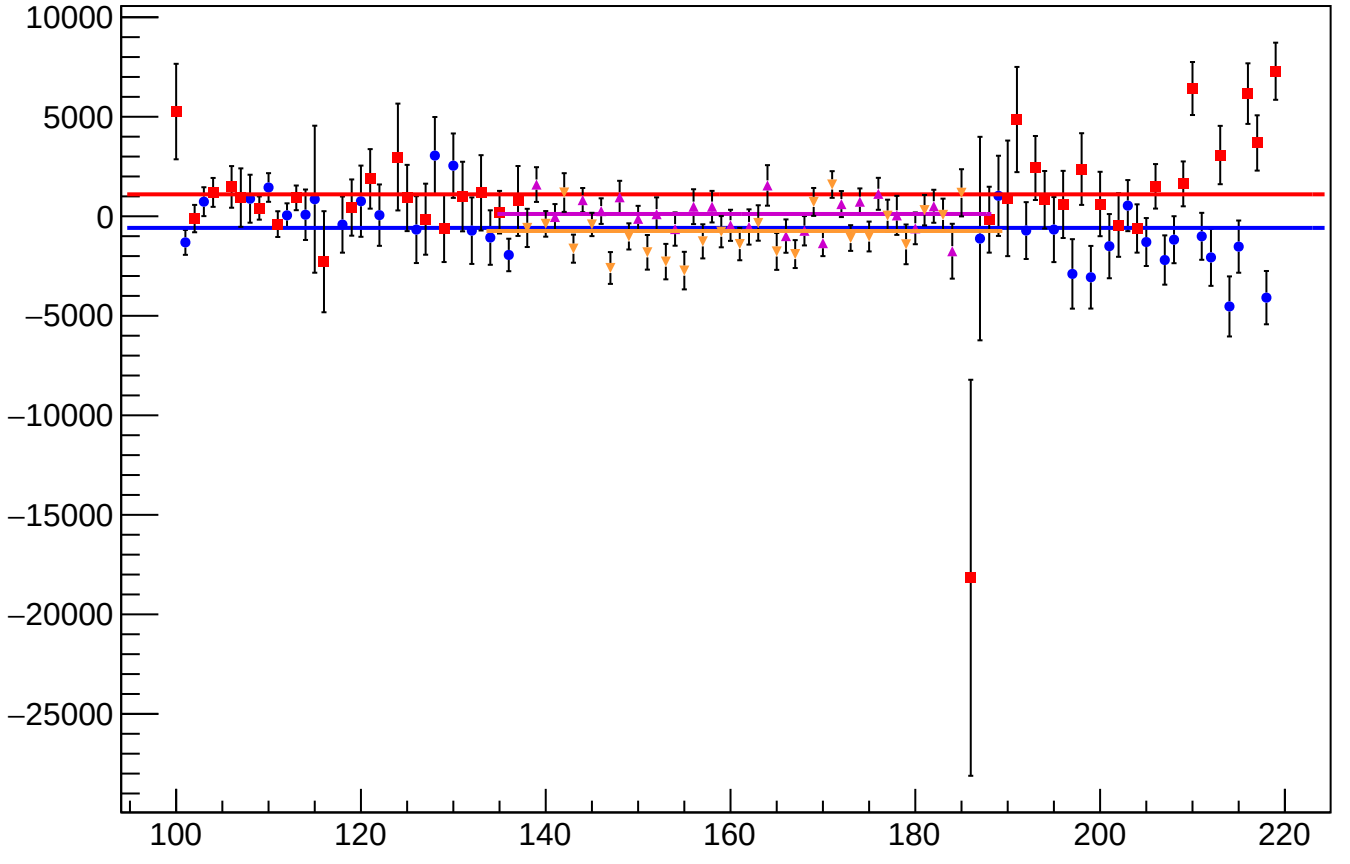
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 96.354+/-0.011 χ^2/NDF: 5917393.7/68

In: 98.638+/-0.012 χ^2/NDF:3006098.6/54

Out: 97.680+/-0.011 χ^2/NDF:4319310.2/61

All: 98.144+/-0.008 χ^2/NDF: 7328987.1/116



Right In: -583.955+/-209.162 χ^2/NDF: 50.2/31

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 1102.768+/-199.101 χ^2/NDF: 80.0/36

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

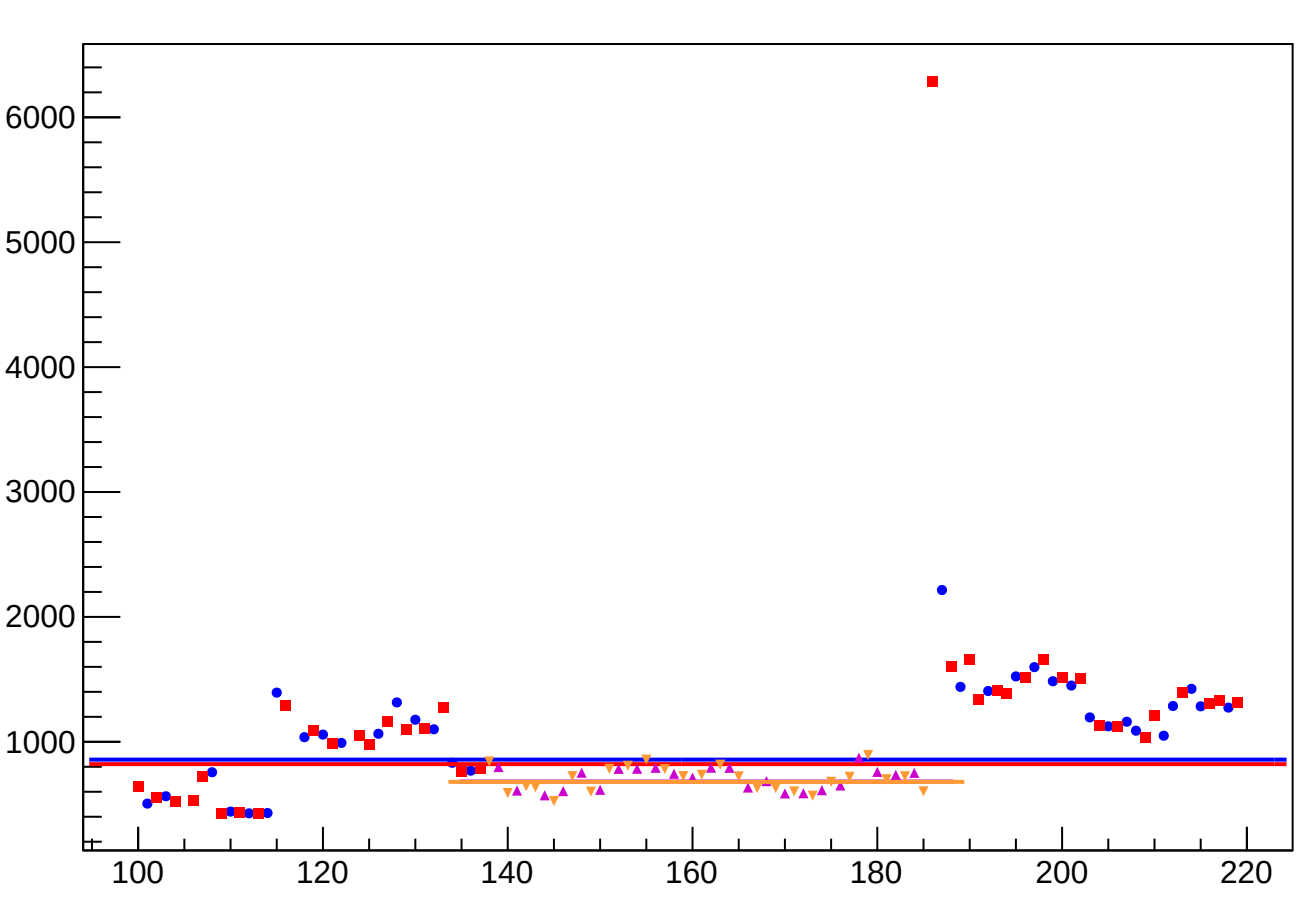
Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

Right: 300.946+/-144.211 χ^2/NDF: 164.3/68

In: -144.629+/-127.576 χ^2/NDF:81.0/54

Out: -36.288+/-122.948 χ^2/NDF:182.6/61

All: -88.458+/-88.528 χ^2/NDF: 263.9/116



Right In: 857.382+/-0.148 χ^2/NDF: 6524871.3/31

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 821.120+/-0.141 χ^2/NDF: 8687552.9/36

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

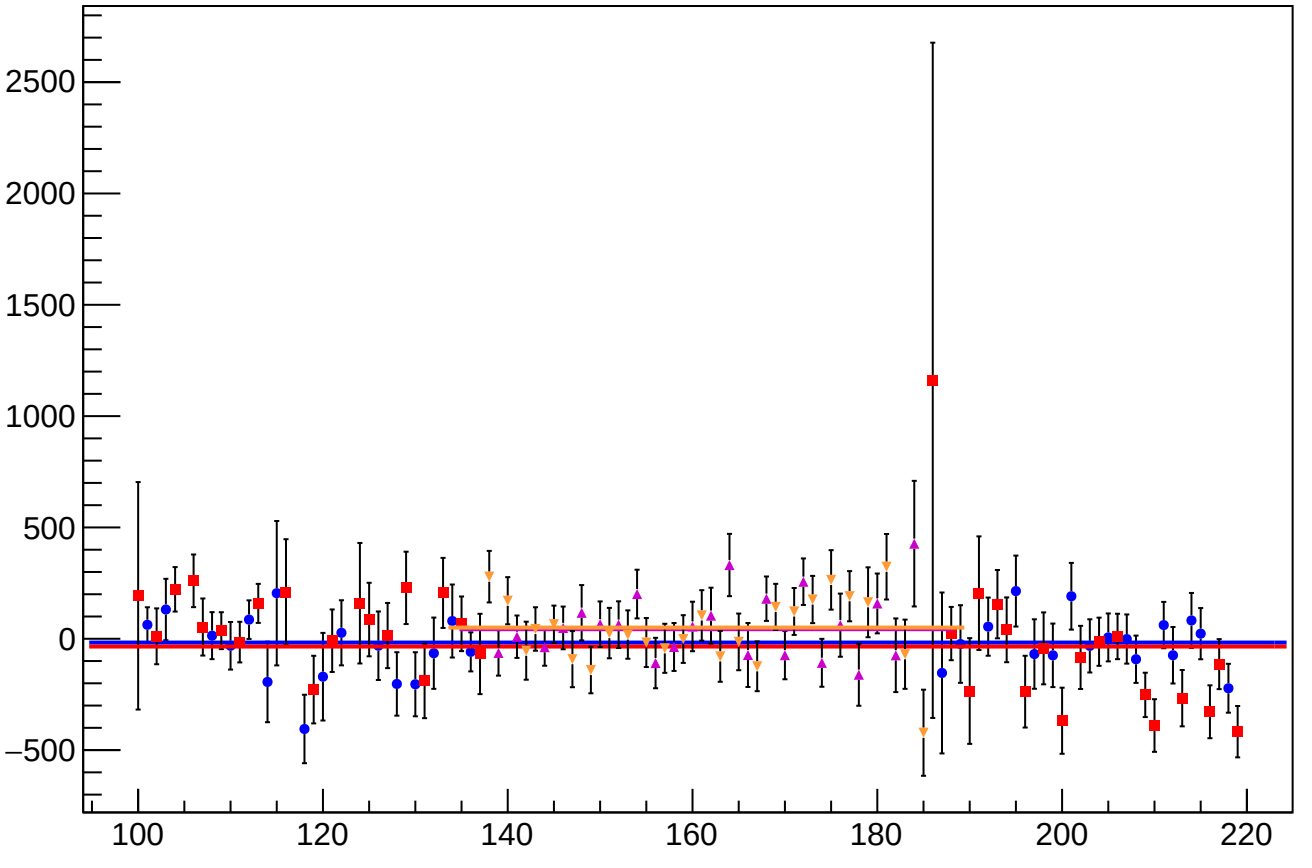
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 838.358+/-0.102 χ^2/NDF: 15243961.6/68

In: 747.180+/-0.090 χ^2/NDF:7982791.7/54

Out: 733.284+/-0.087 χ^2/NDF:10054128.0/61

All: 739.975+/-0.063 χ^2/NDF: 18049221.3/11


eigen_cor_asym_sam_1548_avg_mean vs Slug, Sign Corrected
2500
2000
1500
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500
0
−500
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120
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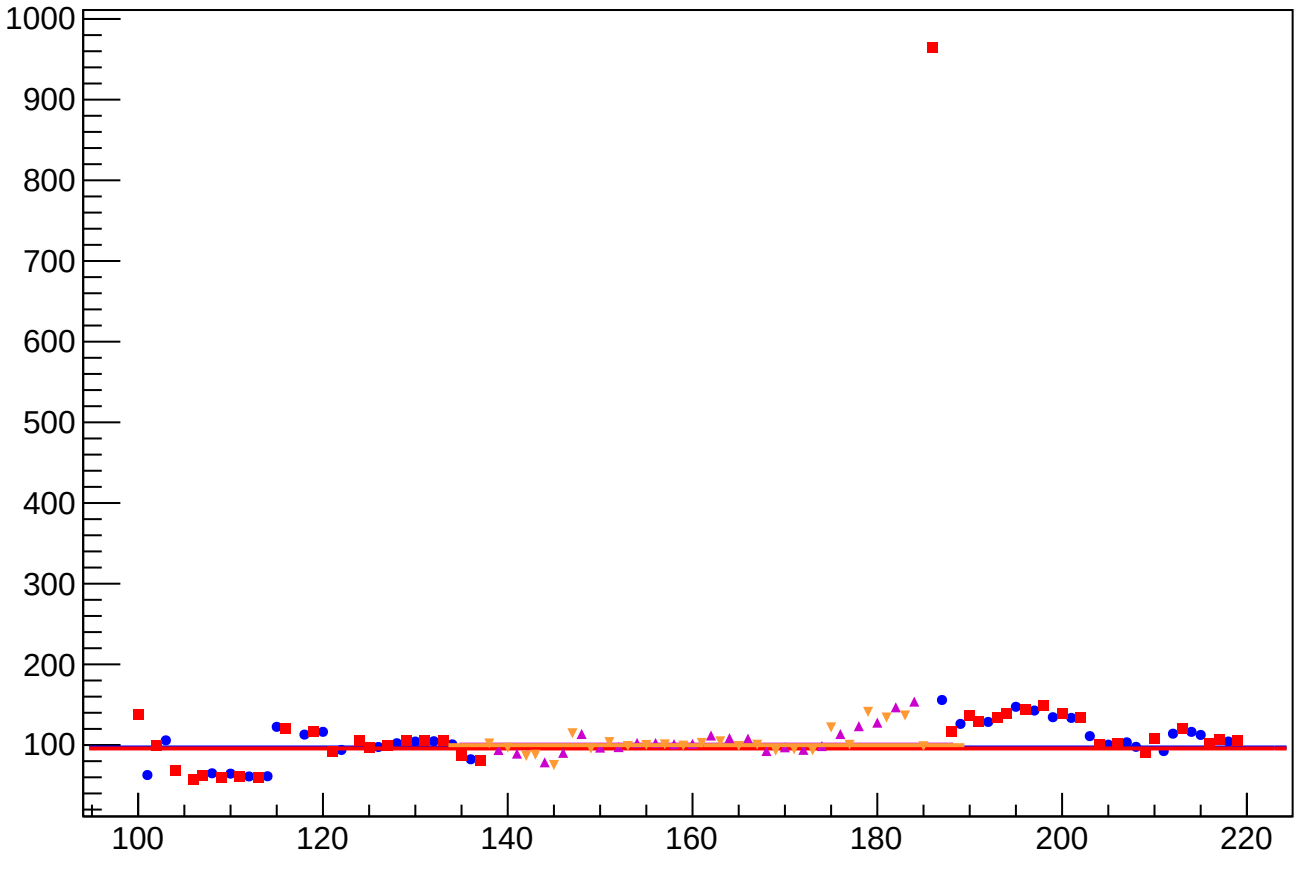
160
180
200
220
Right In: -17.061+/-22.337 χ²/NDF: 26.6/31
Left Out: 50.322+/-22.958 χ²/NDF:33.4/24
Right Out: -34.931+/-21.704 χ²/NDF: 75.7/36
Left In: 43.026+/-23.758 χ²/NDF:26.6/22
Left: 46.799+/-16.509 χ²/NDF: 60.1/47
Right: -26.253+/-15.566 χ²/NDF: 102.7/68
In: 11.131+/-16.274 χ²/NDF:56.6/54
Out: 5.305+/-15.772 χ²/NDF:116.4/61
All: 8.127+/-11.326 χ²/NDF: 173.1/116



Right In: 96.994+/-0.016 χ^2/NDF: 2326162.7/31

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 95.750+/-0.015 χ^2/NDF: 3588036.5/36

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

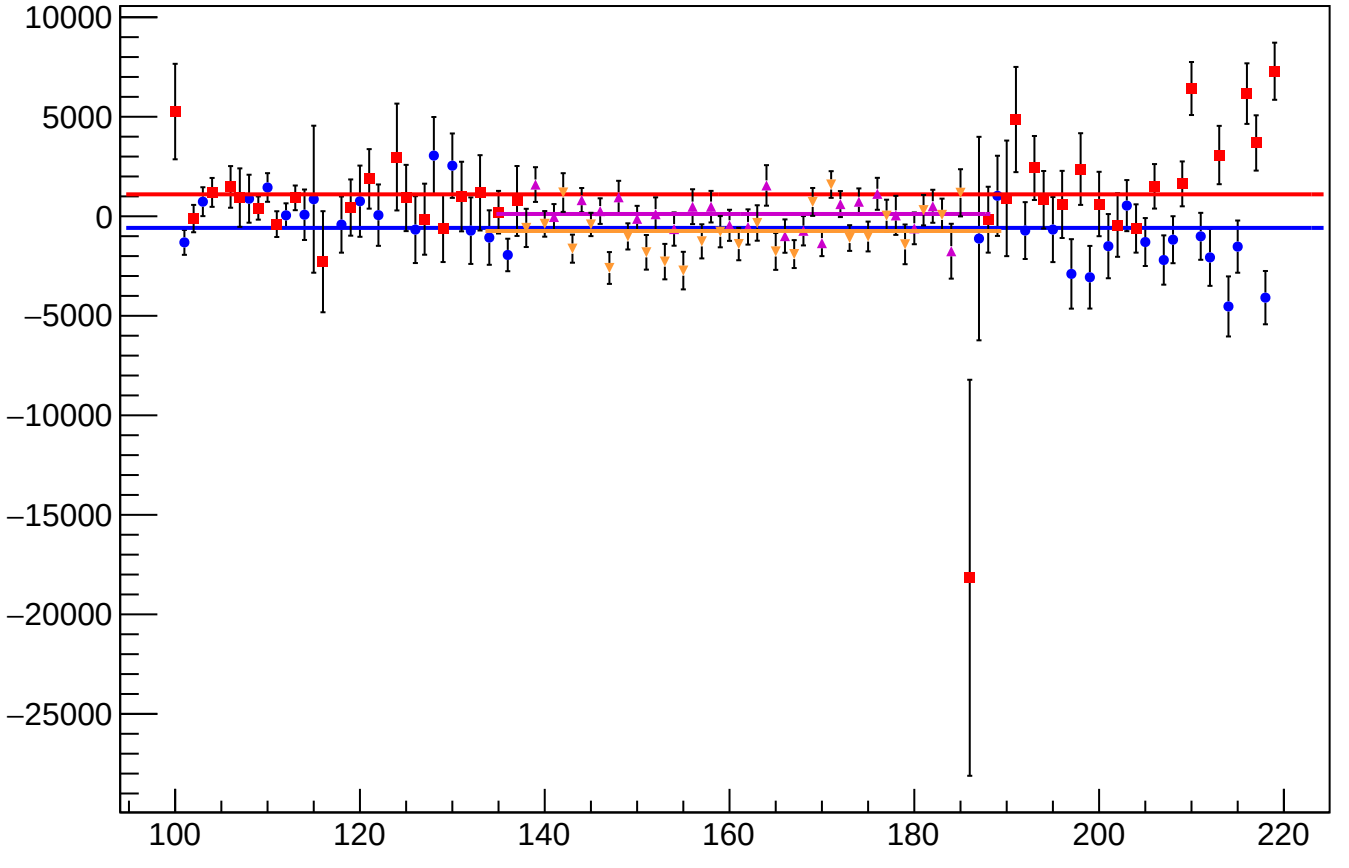
Right: 96.354+/-0.011 χ^2/NDF: 5917393.7/68

In: 98.638+/-0.012 χ^2/NDF:3006098.6/54

Out: 97.680+/-0.011 χ^2/NDF:4319310.2/61

All: 98.144+/-0.008 χ^2/NDF: 7328987.1/116

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -583.955+/-209.162 χ^2/NDF: 50.2/31

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 1102.768+/-199.101 χ^2/NDF: 80.0/36

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

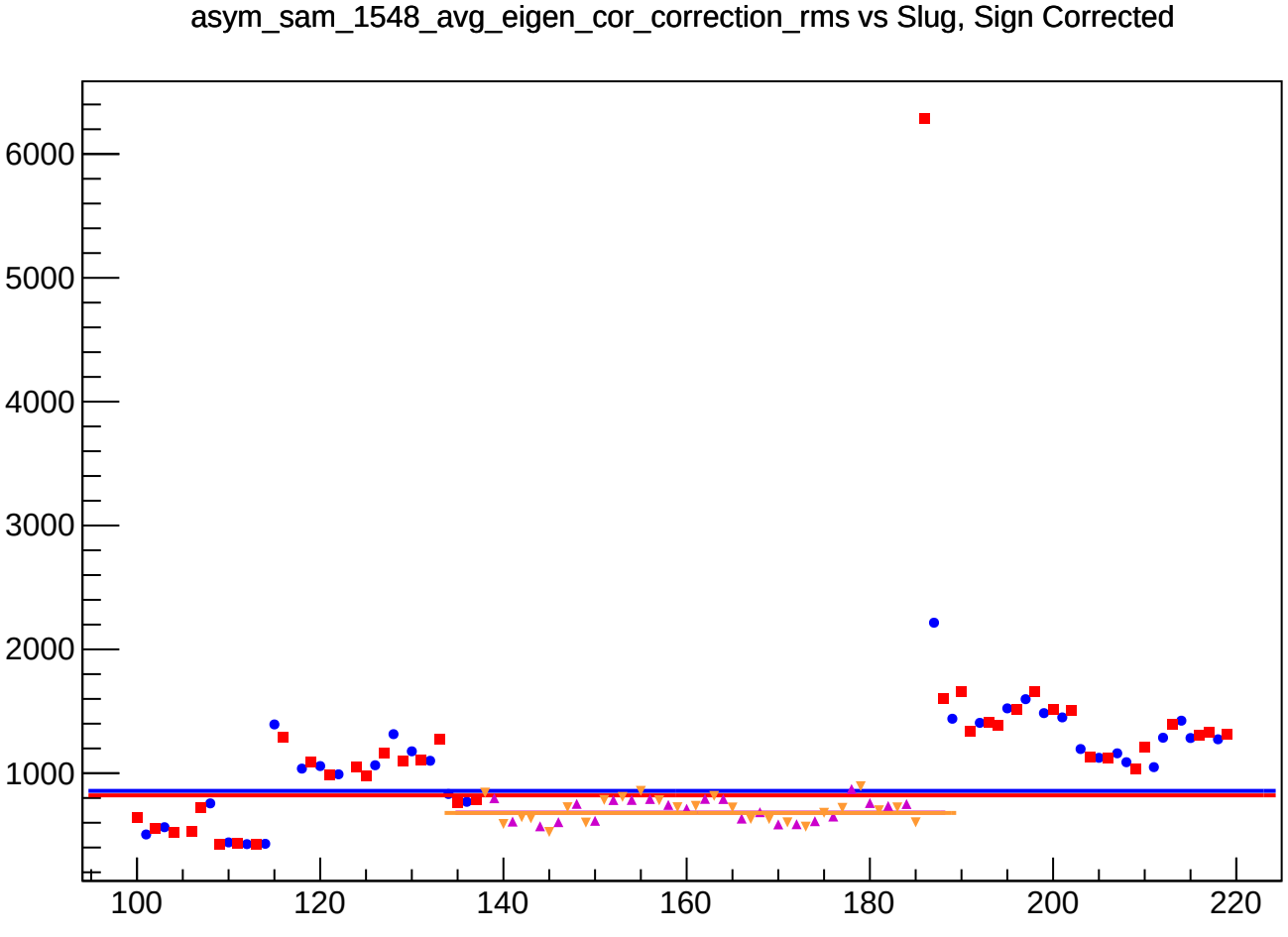
Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

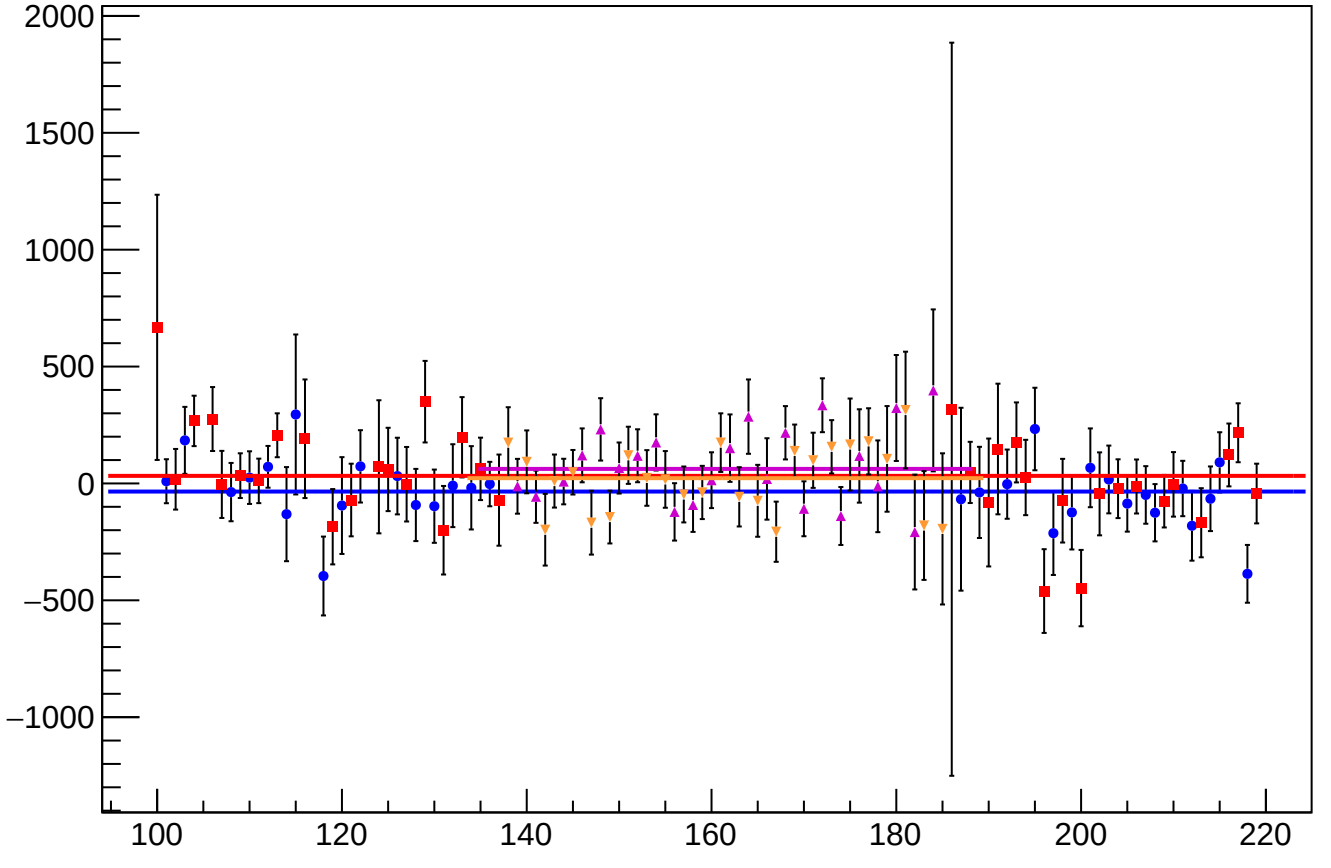
Right: 300.946+/-144.211 χ^2/NDF: 164.3/68

In: -144.629+/-127.576 χ^2/NDF:81.0/54

Out: -36.288+/-122.948 χ^2/NDF:182.6/61

All: -88.458+/-88.528 χ^2/NDF: 263.9/116


asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 857.382+/-0.148 χ²/NDF: 6524871.3/31
Left Out: 679.146+/-0.111 χ²/NDF:737418.6/24
Right Out: 821.120+/-0.141 χ²/NDF: 8687552.9/36
Left In: 681.893+/-0.114 χ²/NDF:573813.6/22
Left: 680.479+/-0.079 χ²/NDF: 1311532.0/47
Right: 838.358+/-0.102 χ²/NDF: 15243961.6/68
In: 747.180+/-0.090 χ²/NDF:7982791.7/54
Out: 733.284+/-0.087 χ²/NDF:10054128.0/61
All: 739.975+/-0.063 χ²/NDF: 18049221.3/11



Right In: -34.736+/-24.861 χ^2/NDF: 26.1/31

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 32.365+/-24.088 χ^2/NDF: 45.5/36

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

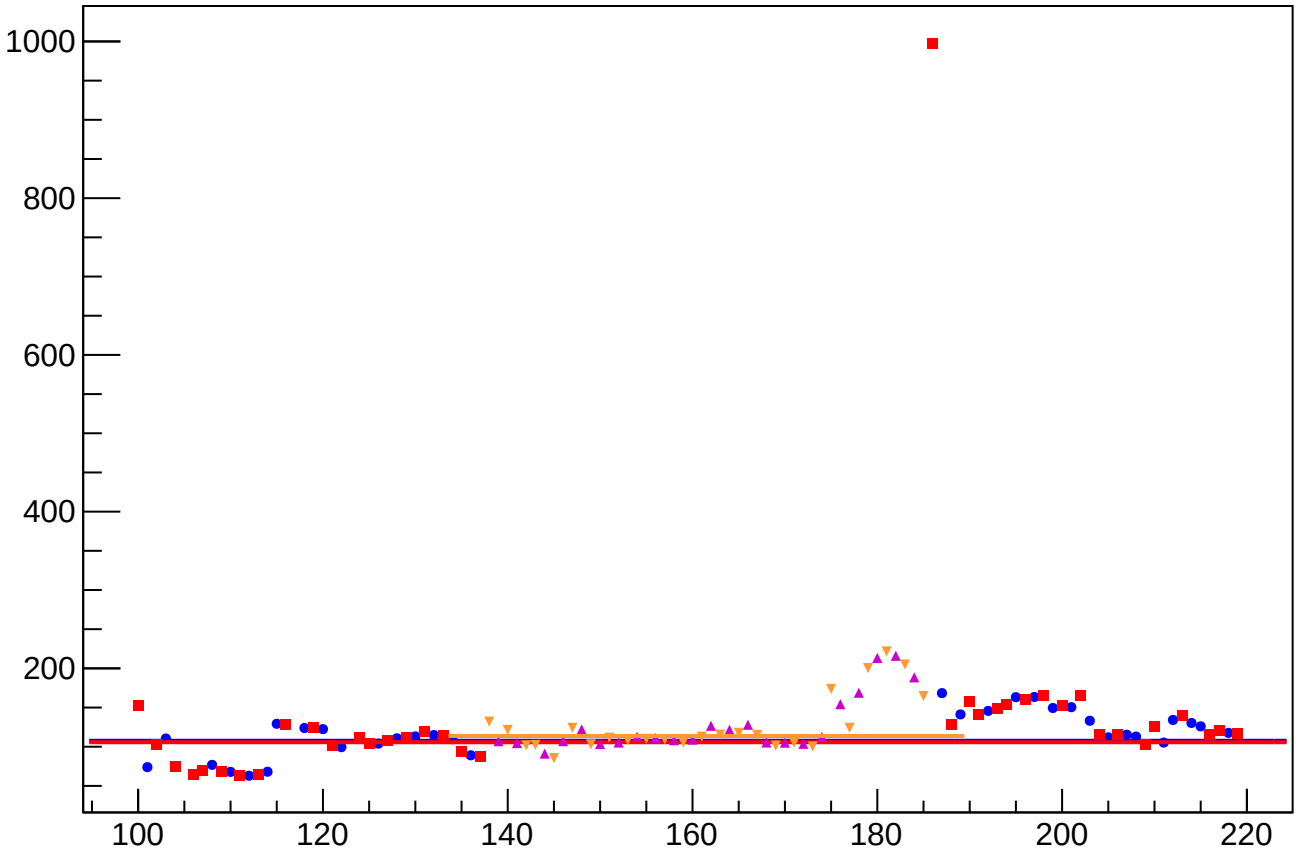
Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

Right: -0.125+/-17.300 χ^2/NDF: 75.4/68

In: 9.128+/-18.393 χ^2/NDF:60.3/54

Out: 27.947+/-17.868 χ^2/NDF:67.2/61

All: 18.810+/-12.816 χ^2/NDF: 128.0/116



Right In: 107.596+/-0.018 χ^2/NDF: 2481393.2/31

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 105.740+/-0.017 χ^2/NDF: 3821603.0/36

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

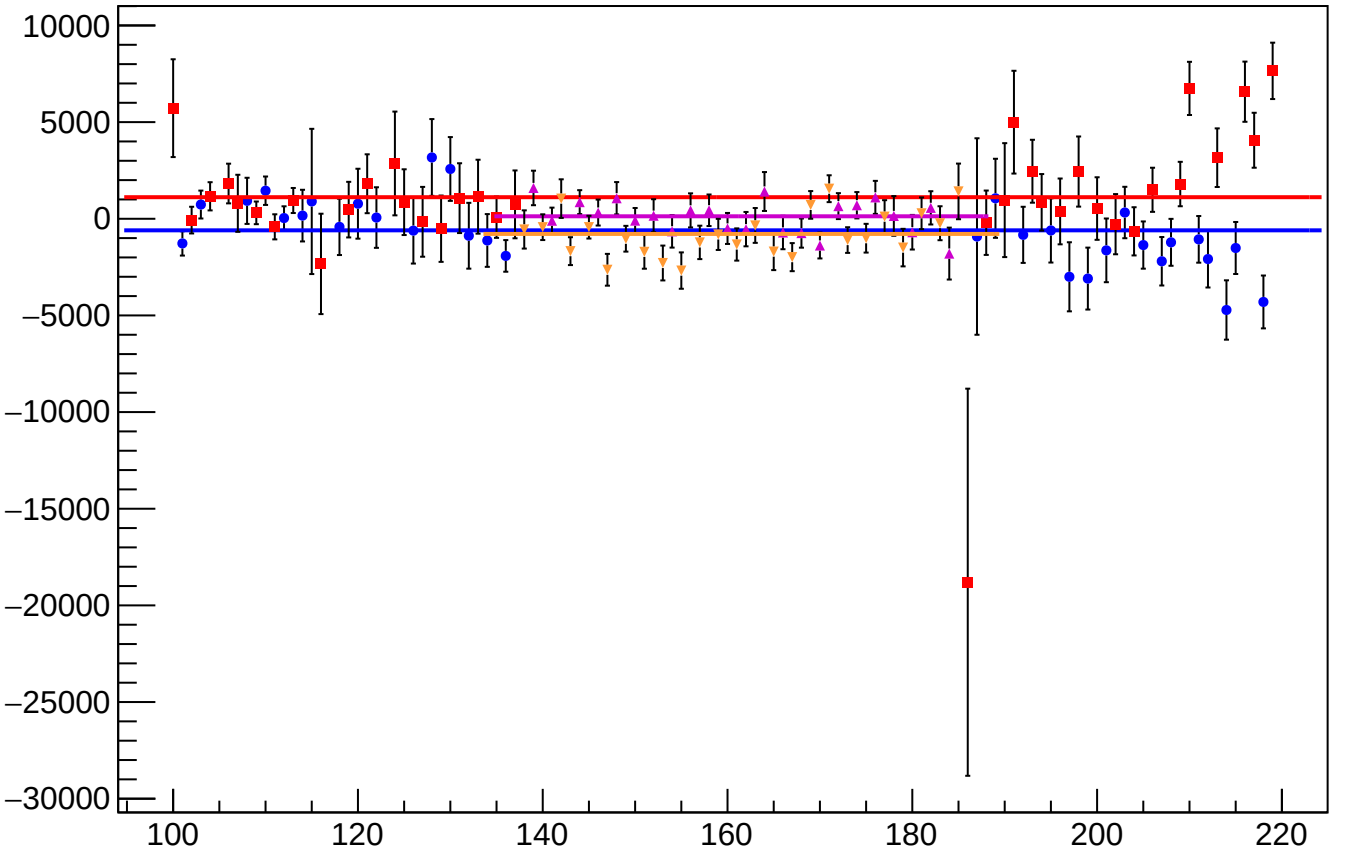
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 106.639+/-0.012 χ^2/NDF: 6308747.1/68

In: 110.348+/-0.013 χ^2/NDF:3851594.1/54

Out: 109.350+/-0.013 χ^2/NDF:5501396.2/61

All: 109.835+/-0.009 χ^2/NDF: 9356024.5/116



Right In: -598.085+/-211.960 χ^2/NDF: 50.7/31

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 1116.177+/-201.581 χ^2/NDF: 86.1/36

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

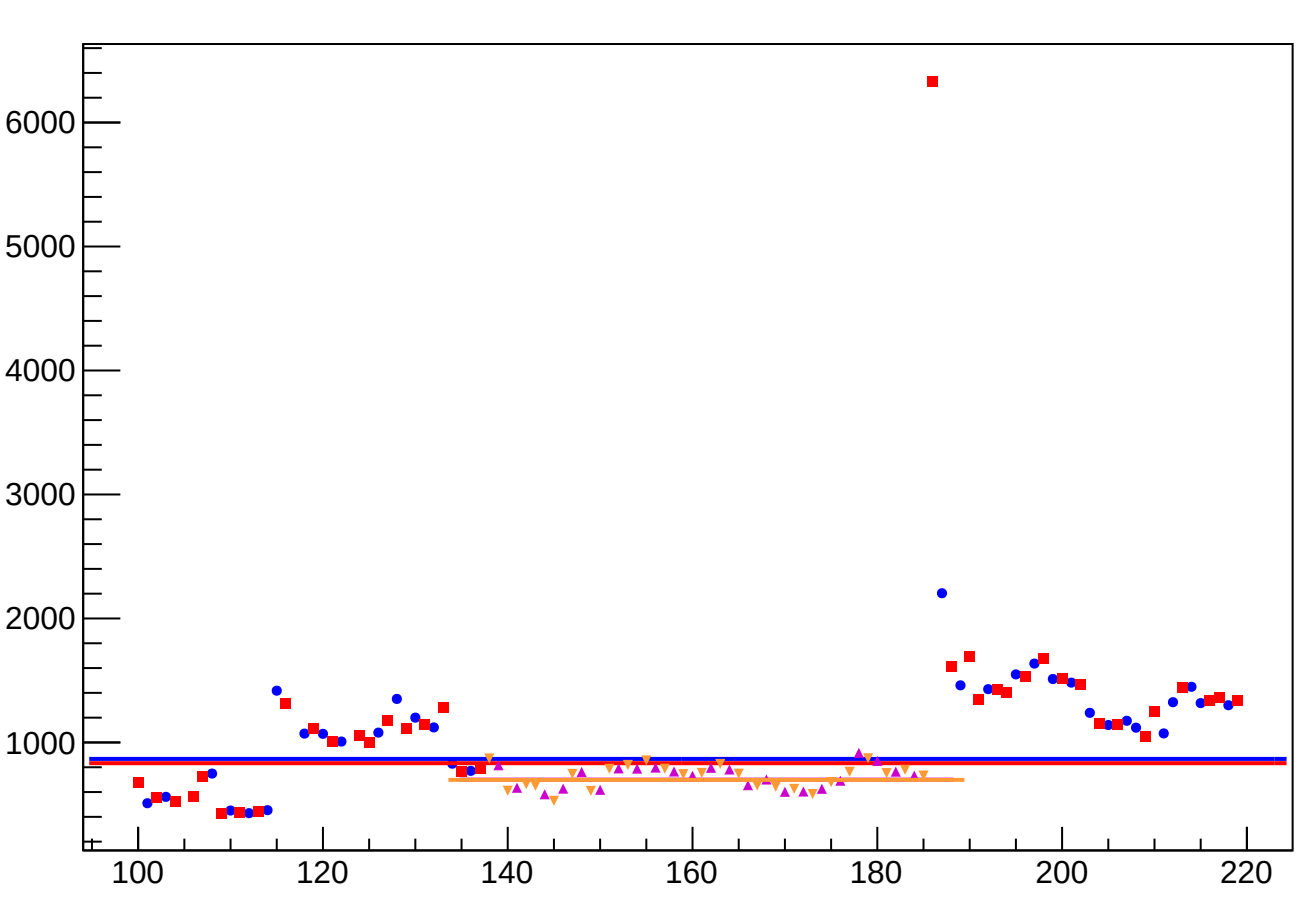
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 302.046+/-146.071 χ^2/NDF: 171.2/68

In: -146.403+/-130.326 χ^2/NDF:80.7/54

Out: -47.038+/-125.553 χ^2/NDF:185.9/61

All: -94.868+/-90.420 χ^2/NDF: 267.0/116



Right In: 867.357+/-0.150 χ^2/NDF: 6664265.9/31

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 832.752+/-0.143 χ^2/NDF: 8683270.9/36

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

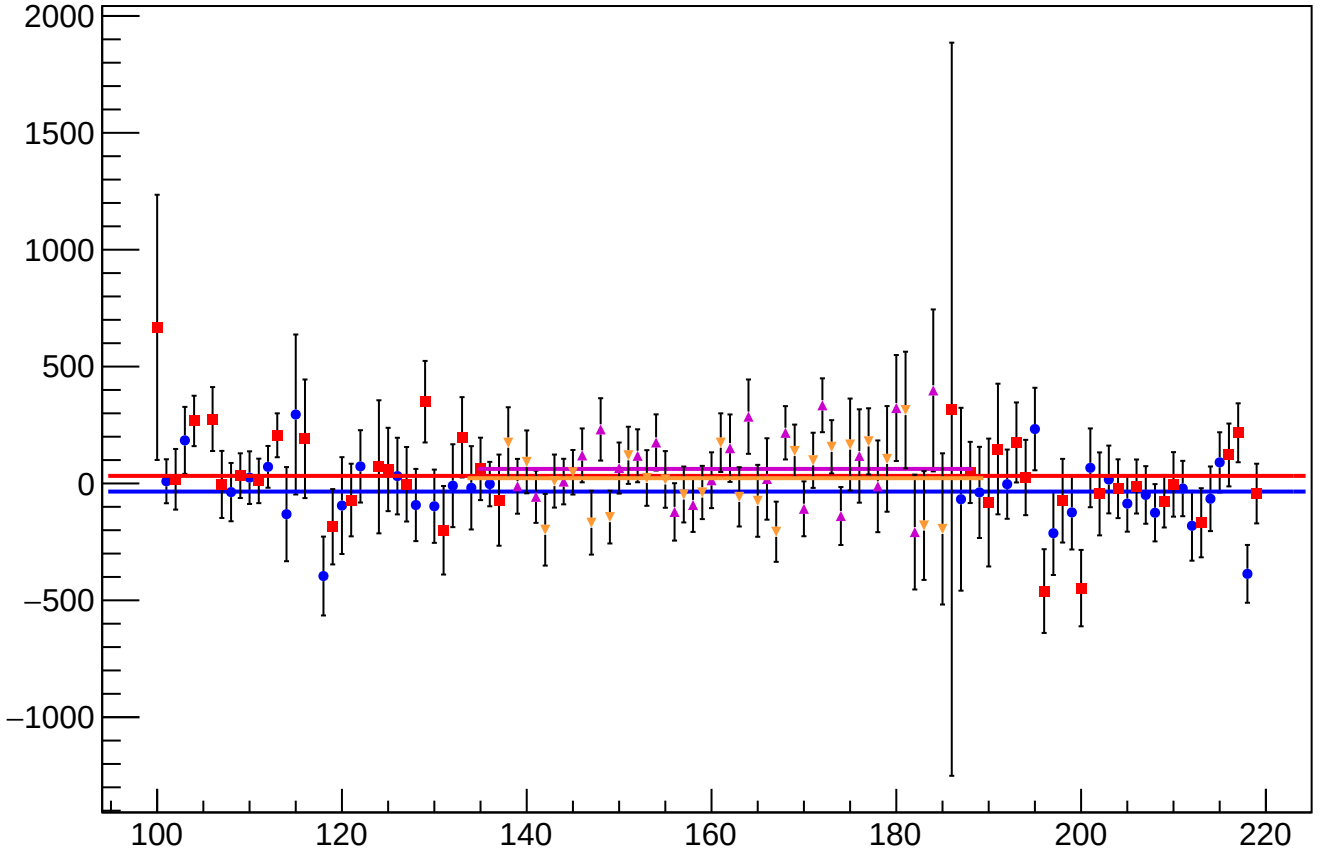
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 849.187+/-0.103 χ^2/NDF: 15375526.9/68

In: 763.319+/-0.092 χ^2/NDF:8023309.9/54

Out: 750.420+/-0.089 χ^2/NDF:9943058.2/61

All: 756.629+/-0.064 χ^2/NDF: 17976530.0/1



Right In: -34.734+/-24.861 χ^2/NDF: 26.1/31

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 32.362+/-24.088 χ^2/NDF: 45.5/36

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

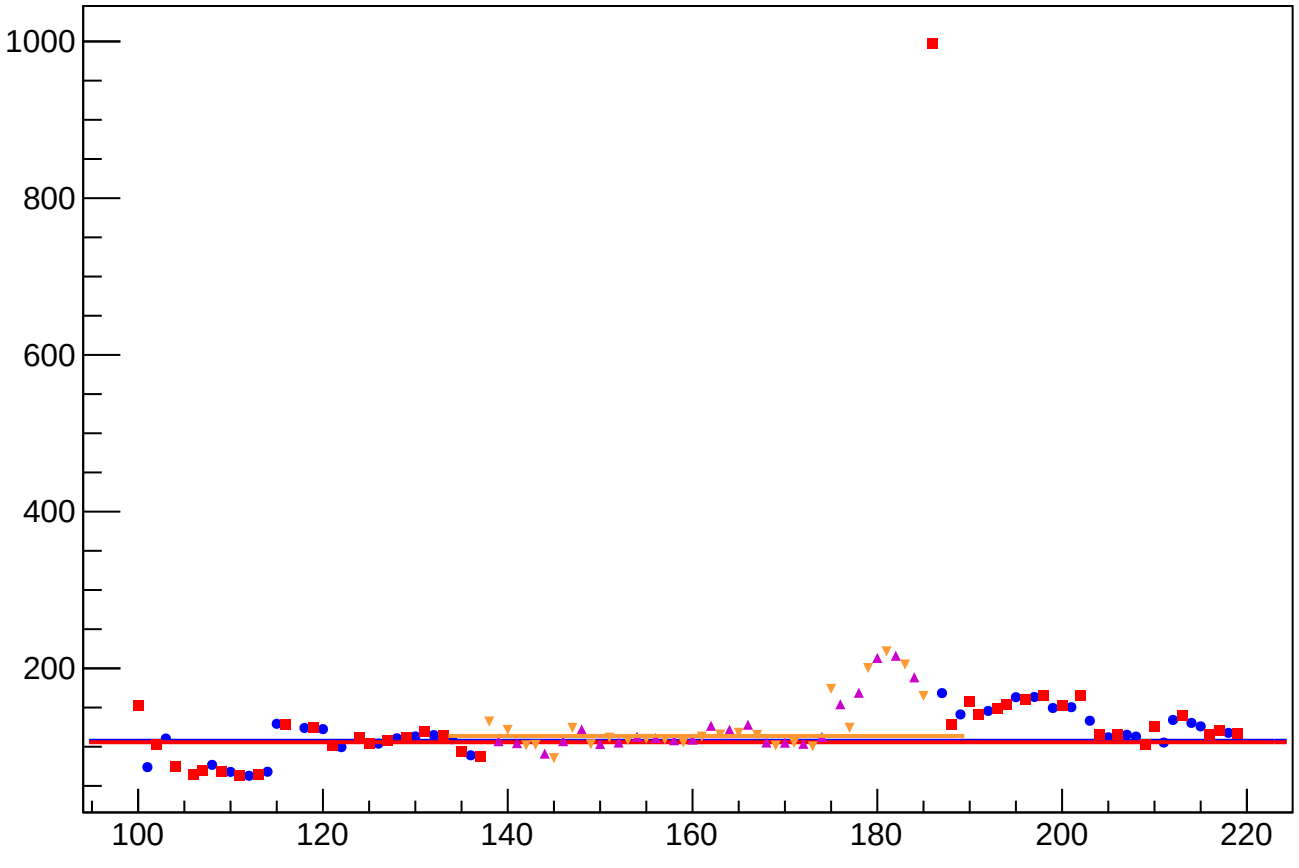
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: -0.125+/-17.300 χ^2/NDF: 75.4/68

In: 9.129+/-18.393 χ^2/NDF:60.3/54

Out: 27.946+/-17.868 χ^2/NDF:67.2/61

All: 18.810+/-12.816 χ^2/NDF: 128.0/116



Right In: 107.596+/-0.018 χ^2/NDF: 2481372.4/31

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 105.740+/-0.017 χ^2/NDF: 3821599.0/36

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

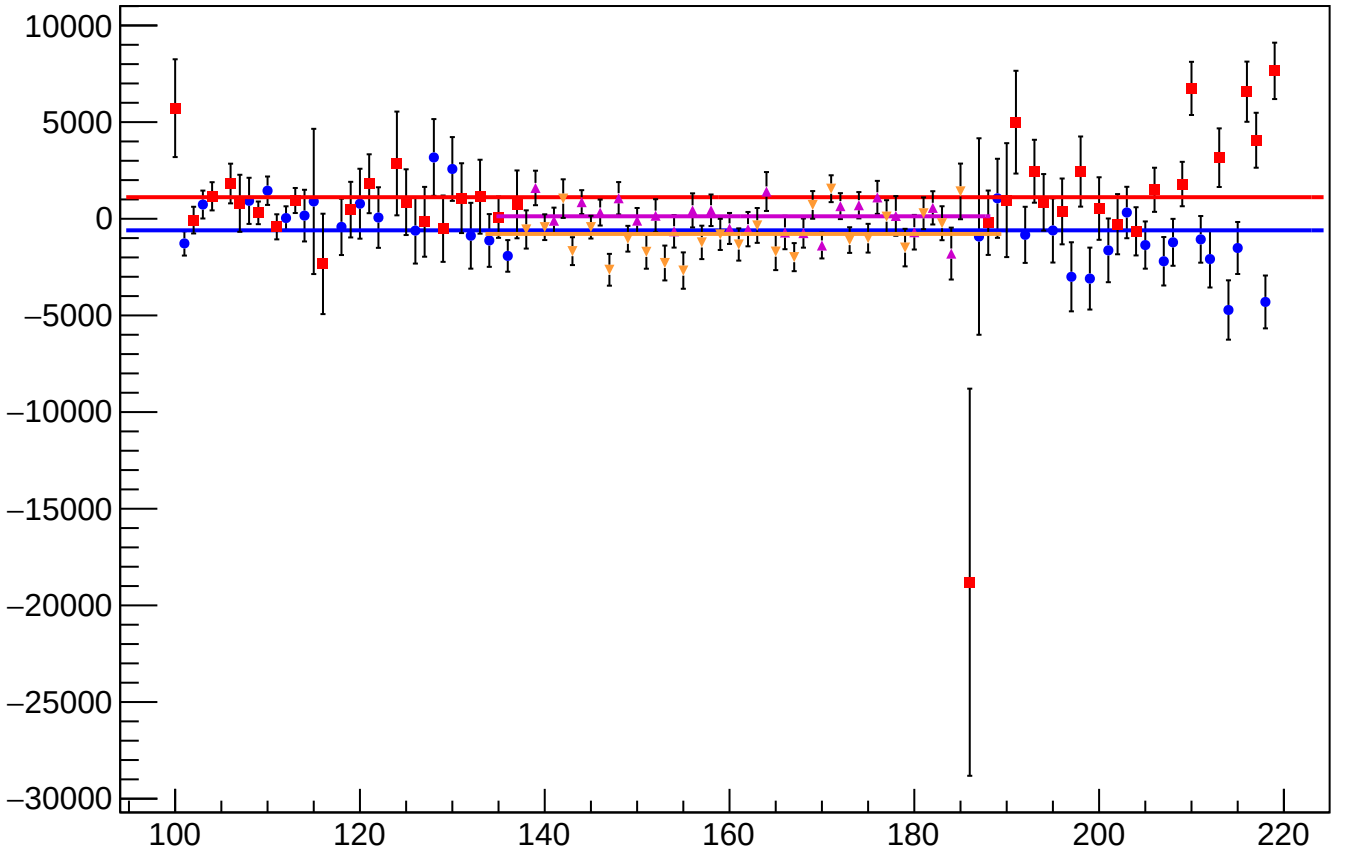
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 106.638+/-0.012 χ^2/NDF: 6308722.4/68

In: 110.348+/-0.013 χ^2/NDF:3851556.8/54

Out: 109.350+/-0.013 χ^2/NDF:5501388.3/61

All: 109.835+/-0.009 χ^2/NDF: 9355979.5/116



Right In: -598.085+/-211.960 χ^2/NDF: 50.7/31

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: 1116.175+/-201.580 χ^2/NDF: 86.1/36

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

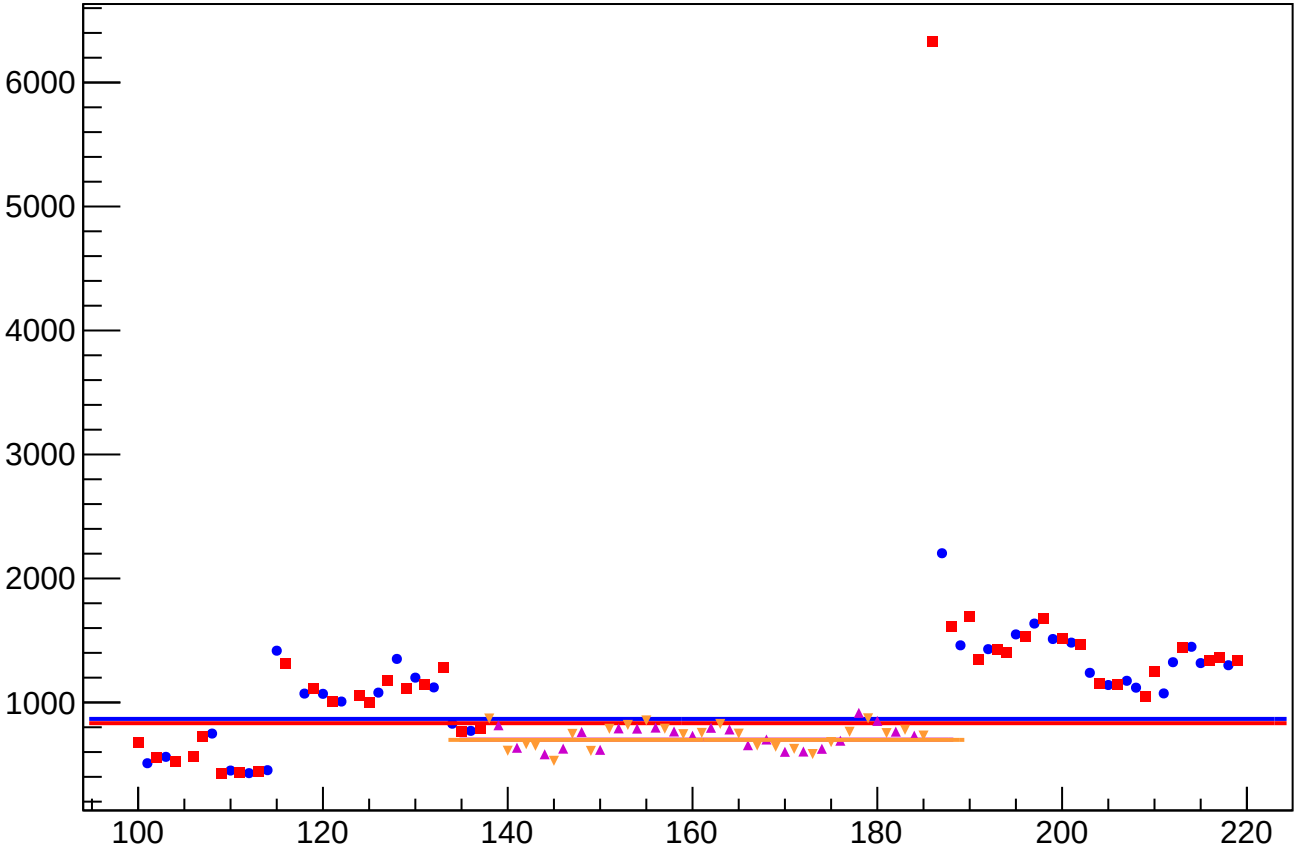
Right: 302.045+/-146.071 χ^2/NDF: 171.2/68

In: -146.403+/-130.326 χ^2/NDF:80.7/54

Out: -47.037+/-125.553 χ^2/NDF:185.9/61

All: -94.867+/-90.420 χ^2/NDF: 267.0/116

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 867.356+/-0.150 χ^2/NDF: 6664265.9/31

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 832.752+/-0.143 χ^2/NDF: 8683265.5/36

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

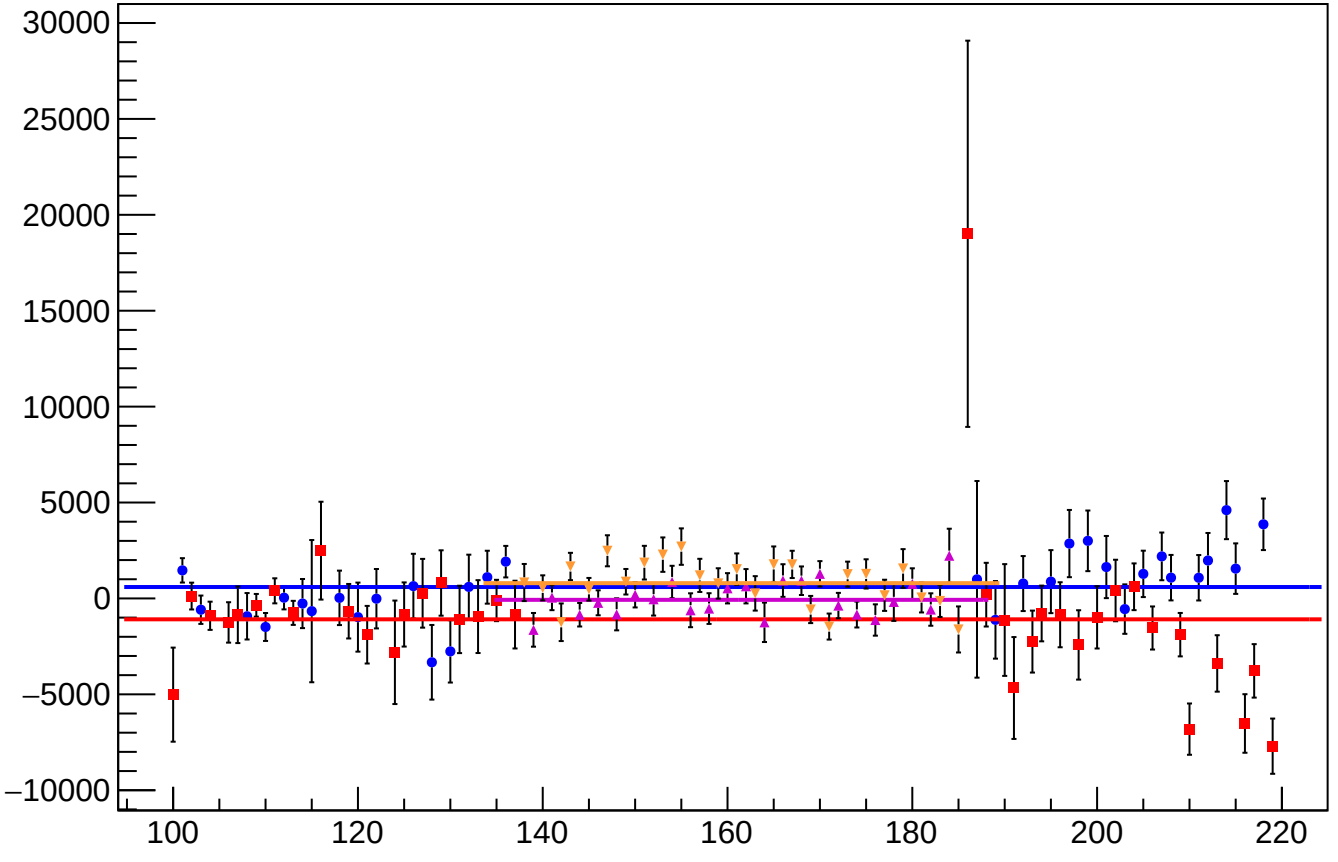
Right: 849.186+/-0.103 χ^2/NDF: 15375521.4/68

In: 763.318+/-0.092 χ^2/NDF:8023303.6/54

Out: 750.419+/-0.089 χ^2/NDF:9943051.2/61

All: 756.628+/-0.064 χ^2/NDF: 17976516.8/1

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 594.660+/-210.953 χ^2/NDF: 50.4/31

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -1089.444+/-200.780 χ^2/NDF: 87.4/36

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

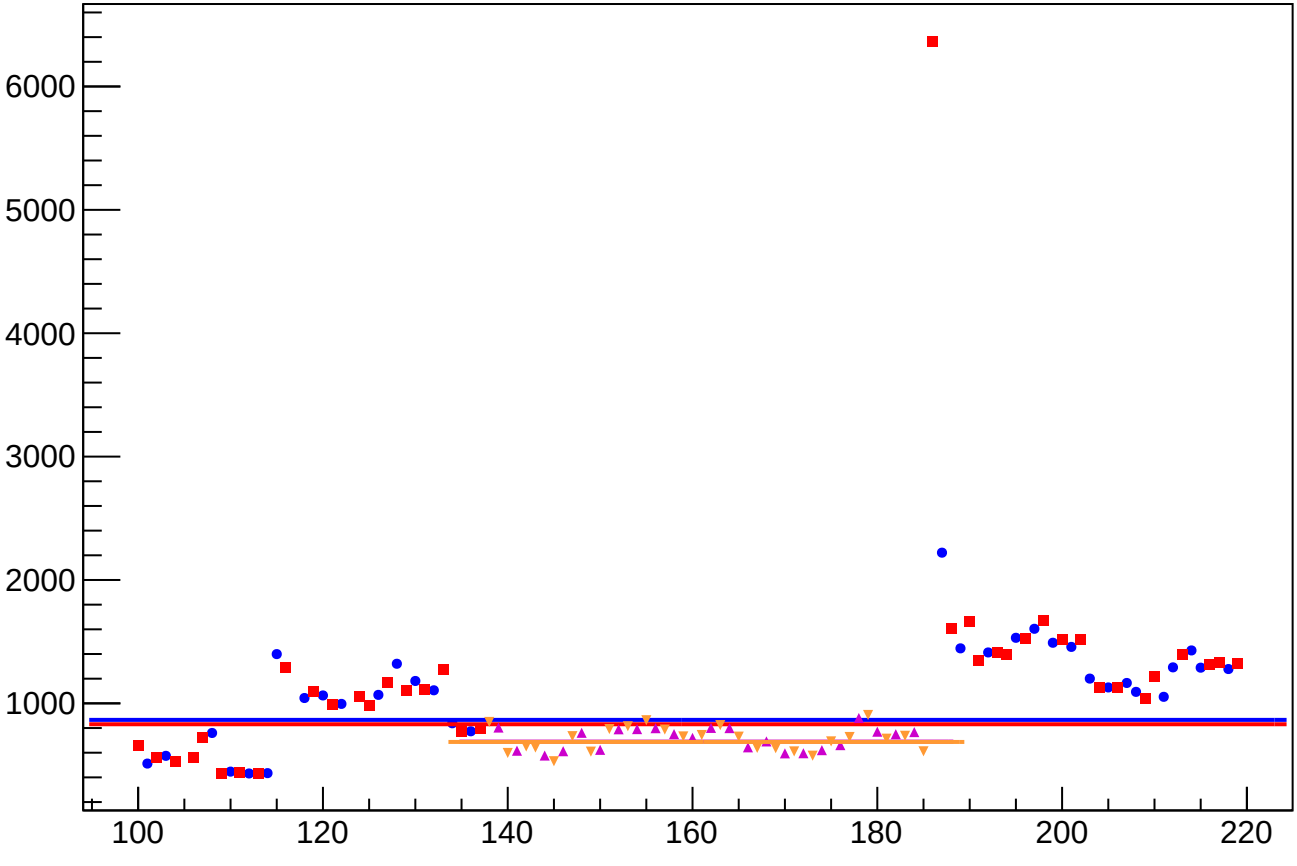
Right: -288.974+/-145.436 χ^2/NDF: 171.2/68

In: 176.055+/-128.922 χ^2/NDF:81.6/54

Out: 74.702+/-124.234 χ^2/NDF:188.2/61

All: 123.502+/-89.458 χ^2/NDF: 270.1/116

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 866.094+/-0.149 χ^2/NDF: 6413027.8/31

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 830.605+/-0.142 χ^2/NDF: 8540808.5/36

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

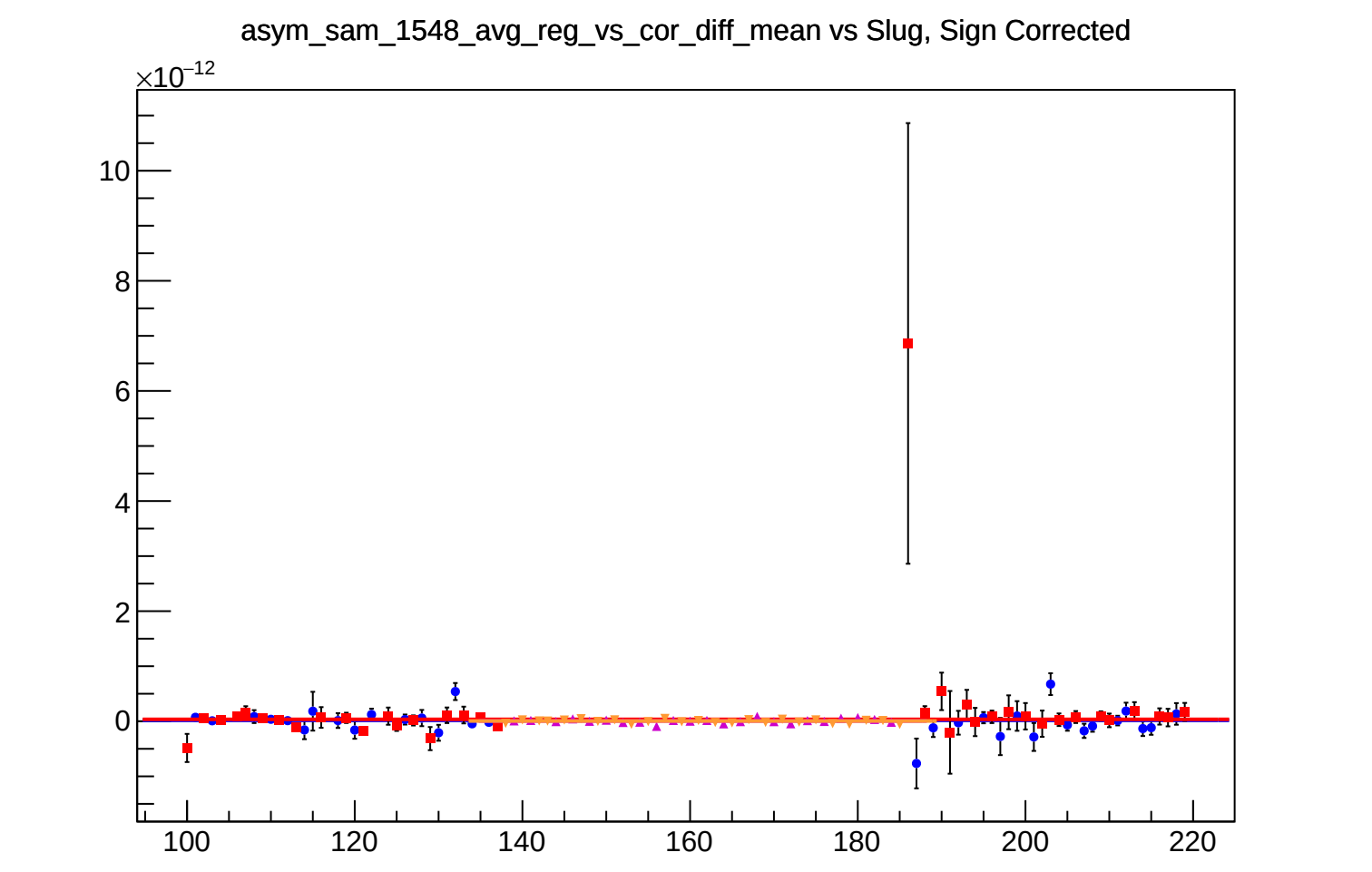
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

Right: 847.473+/-0.103 χ^2/NDF: 14983535.7/68

In: 755.769+/-0.091 χ^2/NDF:7853267.9/54

Out: 742.130+/-0.088 χ^2/NDF:9898083.1/61

All: 748.697+/-0.063 χ^2/NDF: 17762956.2/11



Right In: 0.000+/-0.000 χ^2/NDF: 48.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.7/36

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

Left: 0.000+/-0.000 χ^2/NDF: 48.4/47

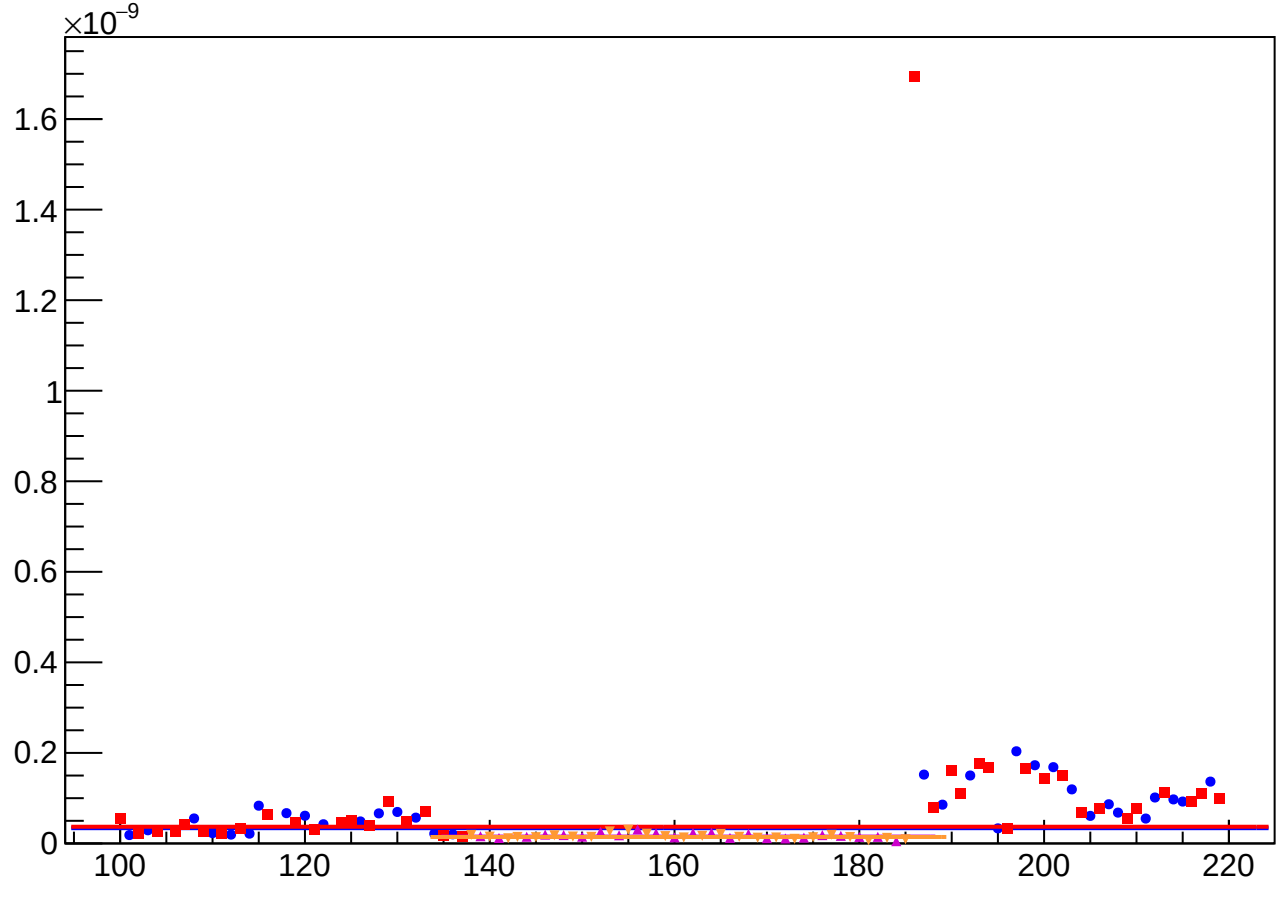
Right: 0.000+/-0.000 χ^2/NDF: 86.3/68

In: 0.000+/-0.000 χ^2/NDF:75.8/54

Out: 0.000+/-0.000 χ^2/NDF:62.2/61

All: 0.000+/-0.000 χ^2/NDF: 138.0/116

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7448051.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6944469.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

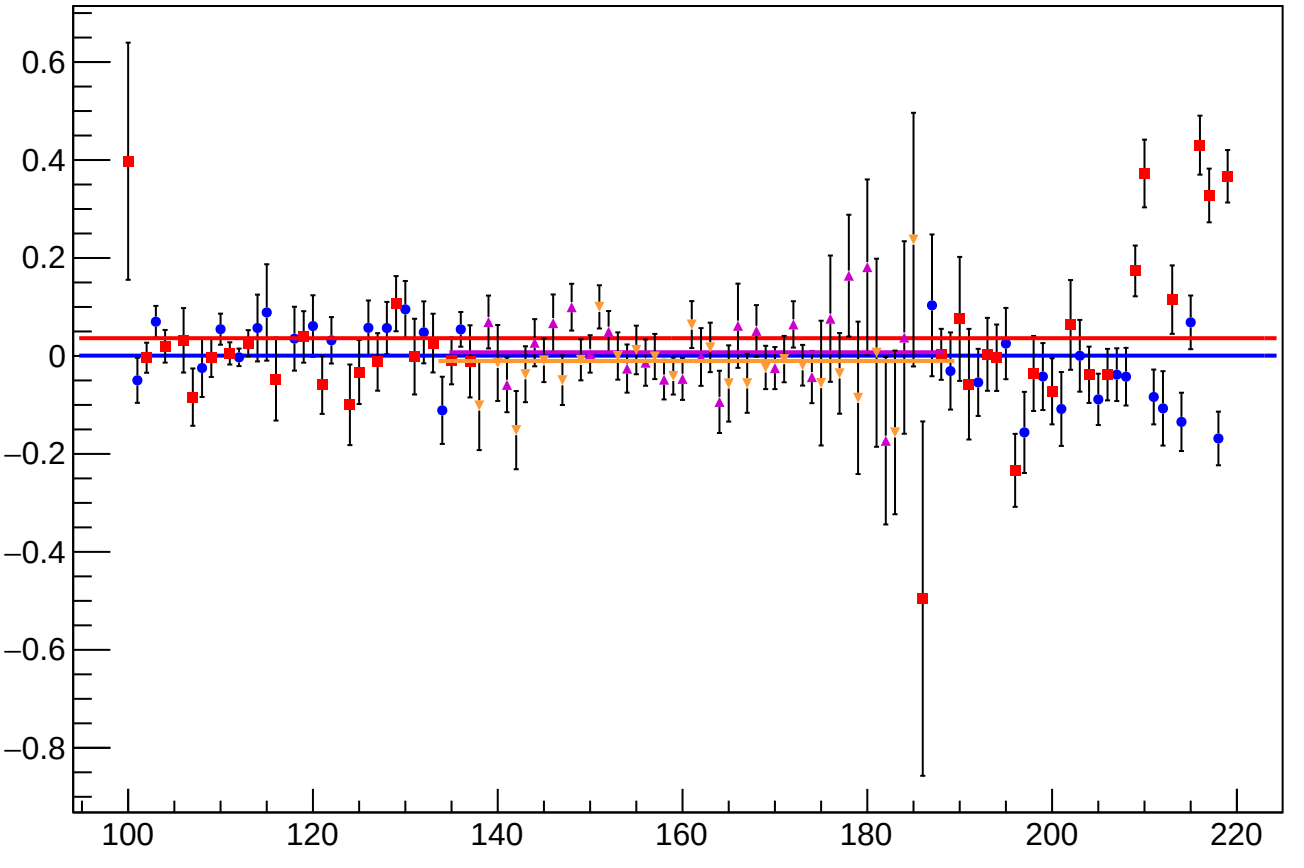
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 14441061.8/68

In: 0.000+/-0.000 χ^2/NDF:11522155.5/54

Out: 0.000+/-0.000 χ^2/NDF:11988525.1/61

All: 0.000+/-0.000 χ^2/NDF: 23545233.0/116



Right In: 0.001+/-0.009 χ^2/NDF: 54.3/31

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.036+/-0.009 χ^2/NDF: 188.0/36

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

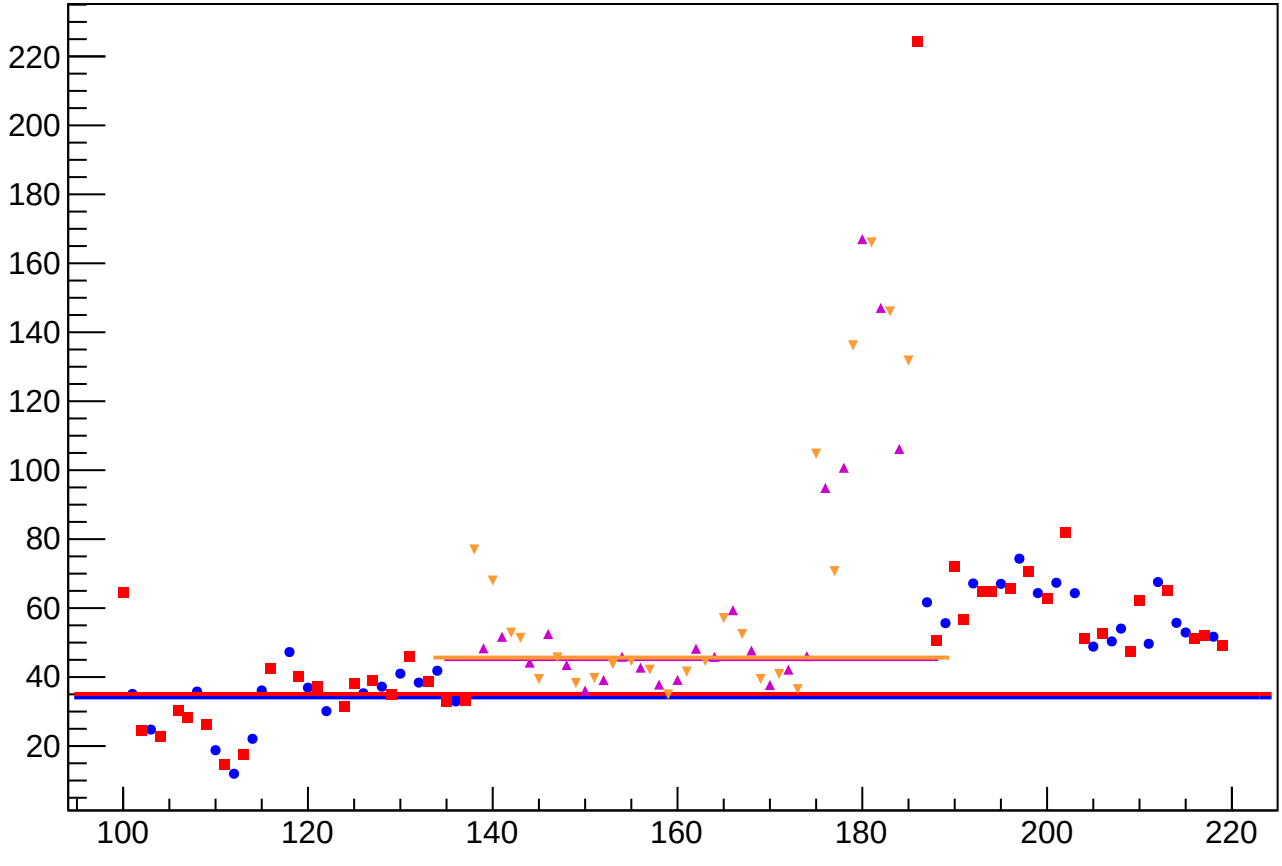
Right: 0.019+/-0.006 χ^2/NDF: 250.7/68

In: 0.003+/-0.007 χ^2/NDF:77.8/54

Out: 0.019+/-0.007 χ^2/NDF:216.8/61

All: 0.011+/-0.005 χ^2/NDF: 297.3/116

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.108+/-0.006 χ^2/NDF: 8449142.5/31

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 35.104+/-0.006 χ^2/NDF: 8232371.5/36

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

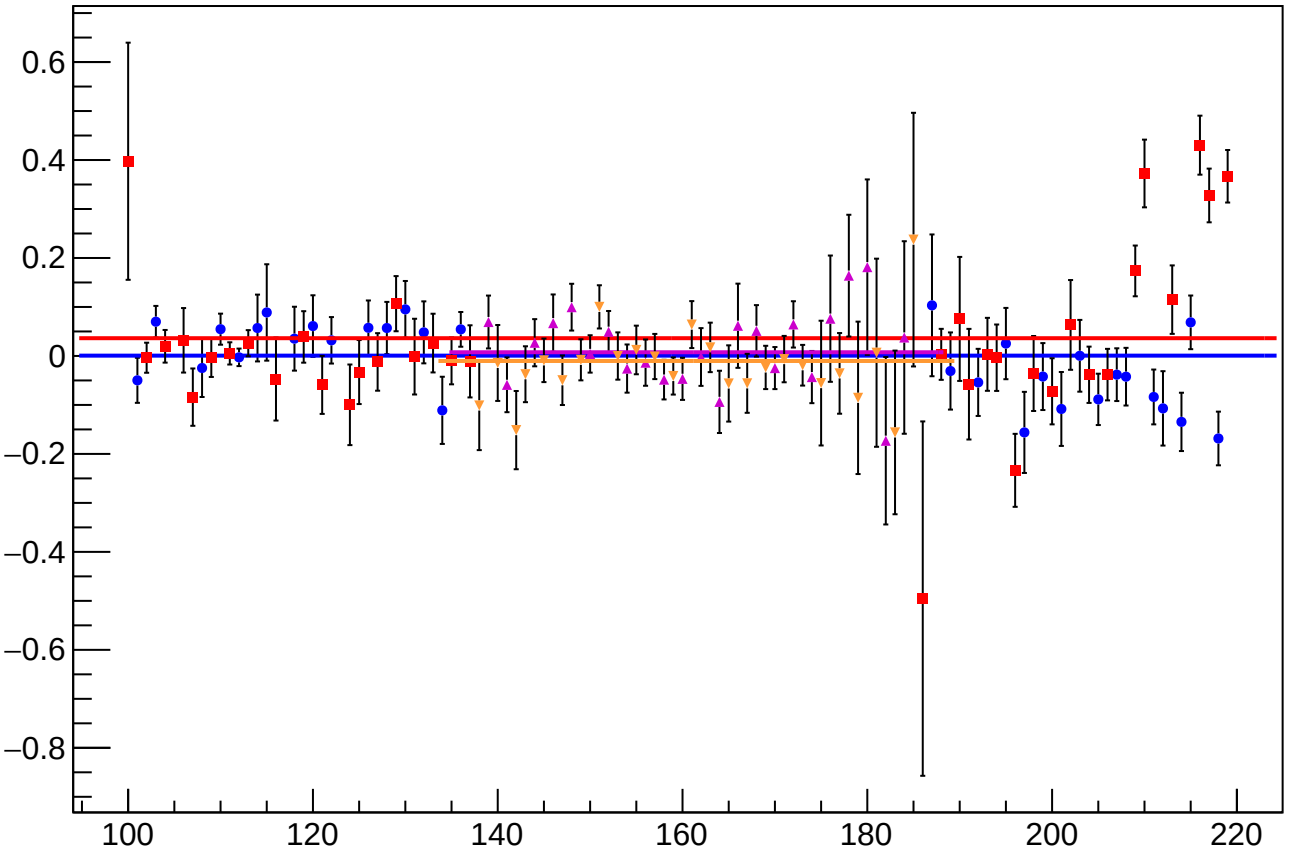
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 34.611+/-0.004 χ^2/NDF: 16694644.0/68

In: 38.212+/-0.005 χ^2/NDF:12635980.4/54

Out: 39.014+/-0.005 χ^2/NDF:13348629.9/61

All: 38.617+/-0.003 χ^2/NDF: 25998104.3/116



Right In: 0.001+/-0.009 χ^2/NDF: 54.3/31

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.036+/-0.009 χ^2/NDF: 188.0/36

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

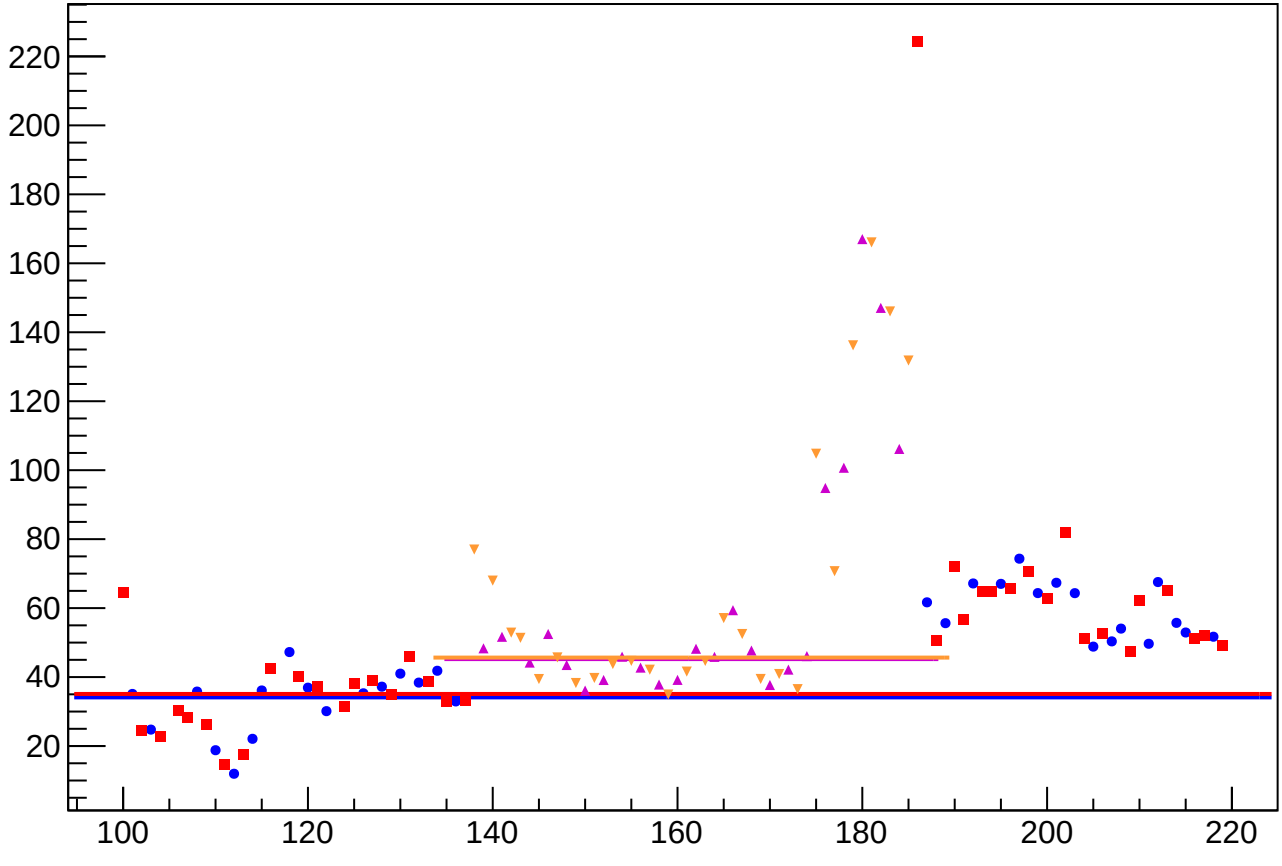
Right: 0.019+/-0.006 χ^2/NDF: 250.7/68

In: 0.003+/-0.007 χ^2/NDF:77.8/54

Out: 0.019+/-0.007 χ^2/NDF:216.8/61

All: 0.011+/-0.005 χ^2/NDF: 297.3/116

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.108+/-0.006 χ^2/NDF: 8449142.5/31

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 35.104+/-0.006 χ^2/NDF: 8232371.5/36

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

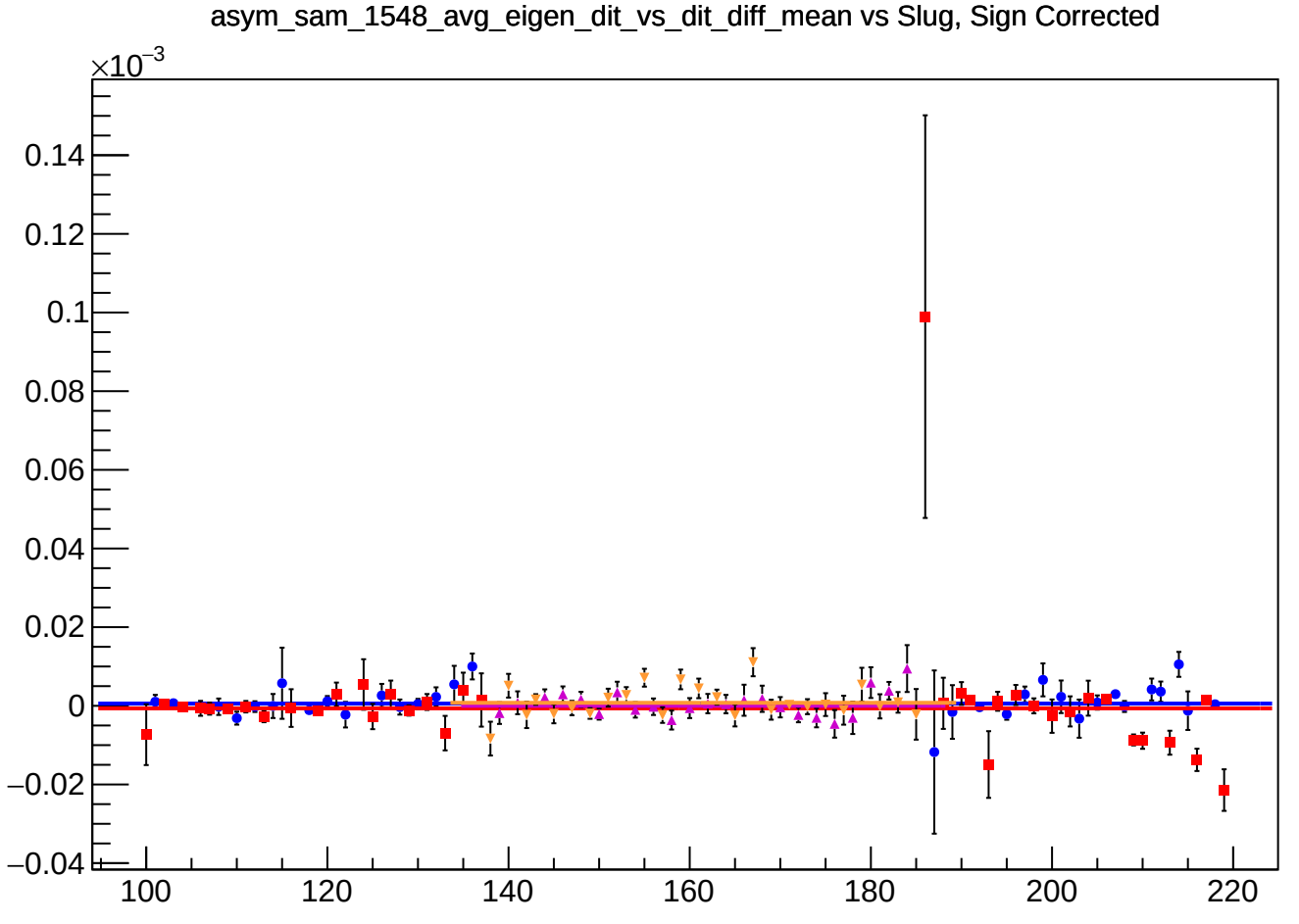
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 34.611+/-0.004 χ^2/NDF: 16694644.0/68

In: 38.212+/-0.005 χ^2/NDF:12635980.4/54

Out: 39.014+/-0.005 χ^2/NDF:13348629.9/61

All: 38.617+/-0.003 χ^2/NDF: 25998104.3/116



Right In: 0.000+/-0.000 χ^2/NDF: 46.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 131.5/36

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

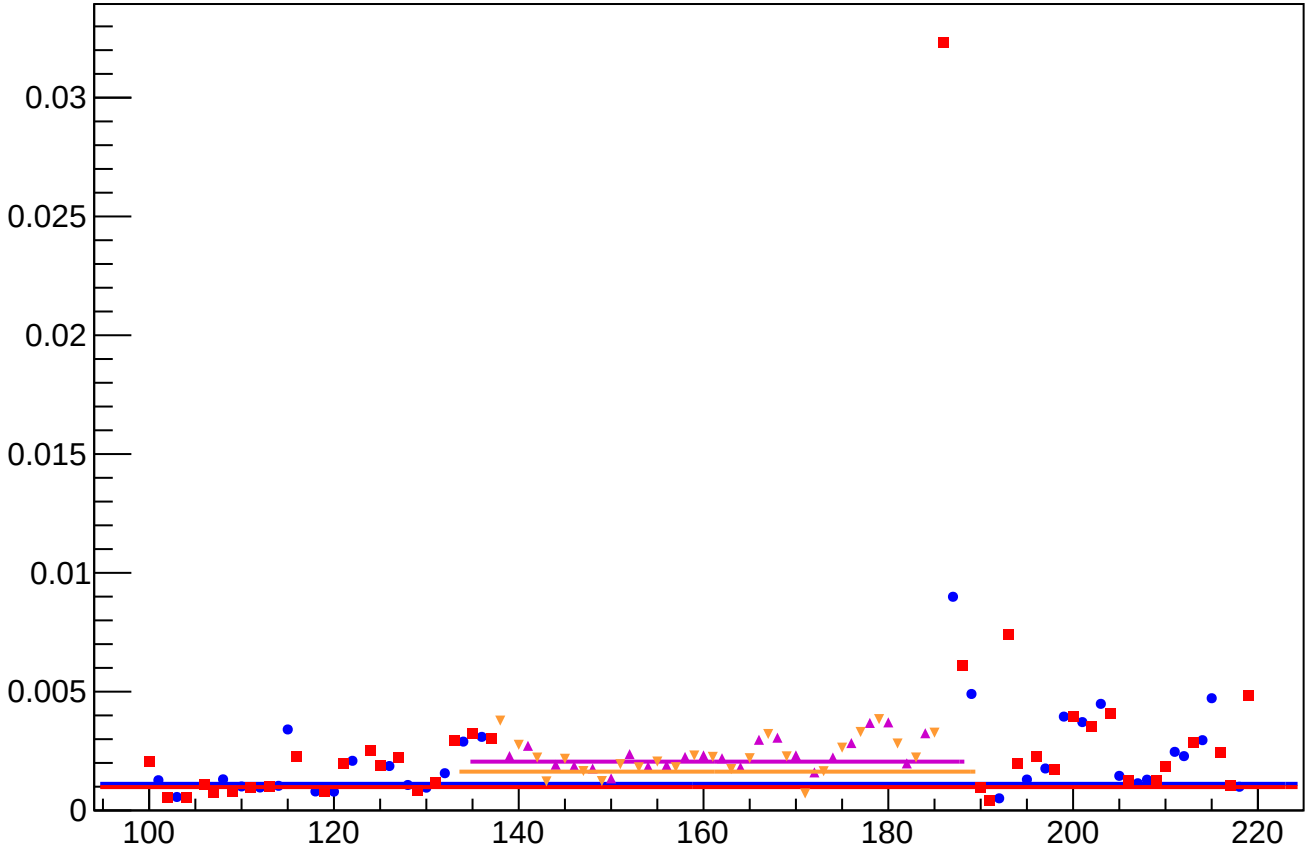
Right: -0.000+/-0.000 χ^2/NDF: 186.4/68

In: 0.000+/-0.000 χ^2/NDF:71.5/54

Out: -0.000+/-0.000 χ^2/NDF:185.8/61

All: 0.000+/-0.000 χ^2/NDF: 260.7/116

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10241998.3/31

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 14856527.4/36

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

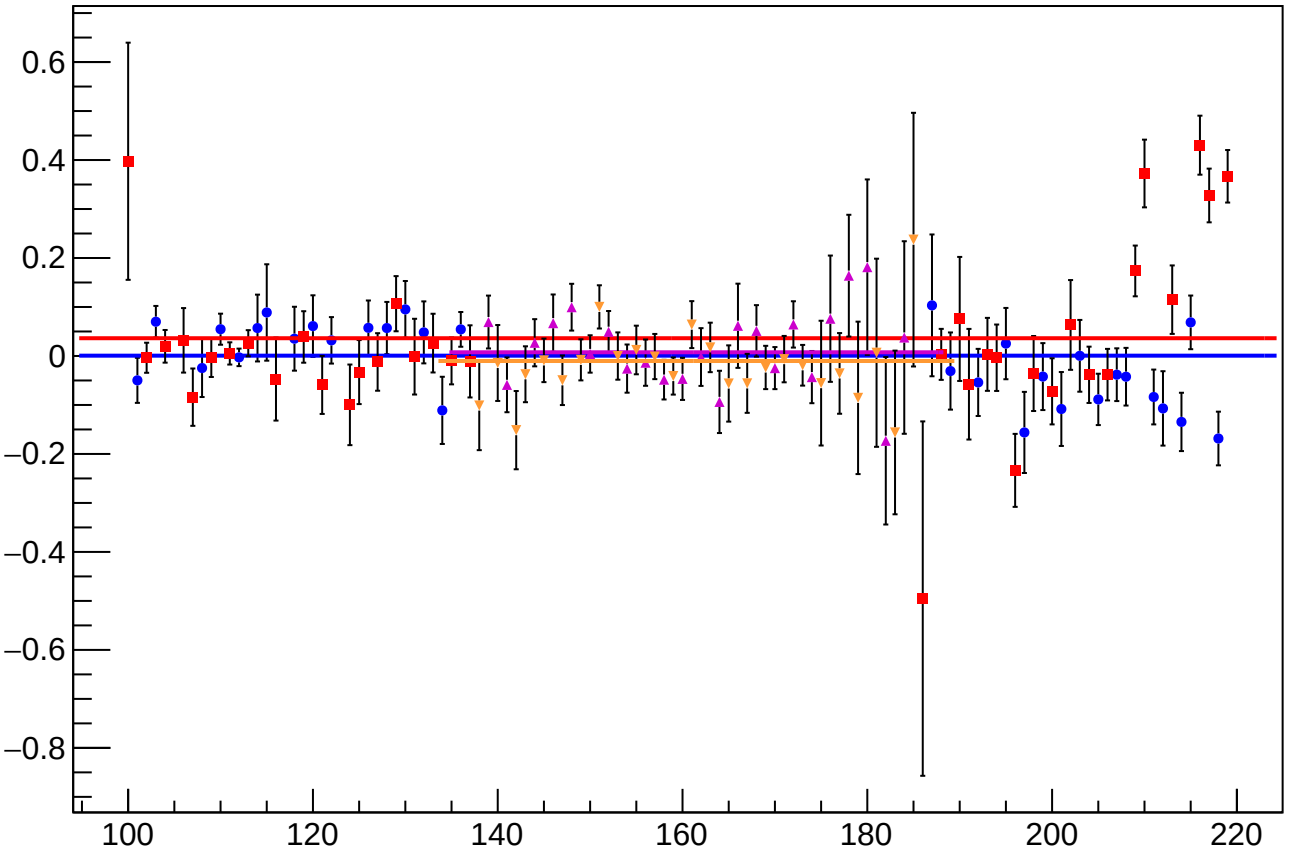
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 25322763.9/68

In: 0.001+/-0.000 χ^2/NDF:17394780.5/54

Out: 0.001+/-0.000 χ^2/NDF:24835189.7/61

All: 0.001+/-0.000 χ^2/NDF: 42859013.0/116



Right In: 0.001+/-0.009 χ^2/NDF: 54.3/31

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.036+/-0.009 χ^2/NDF: 188.0/36

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

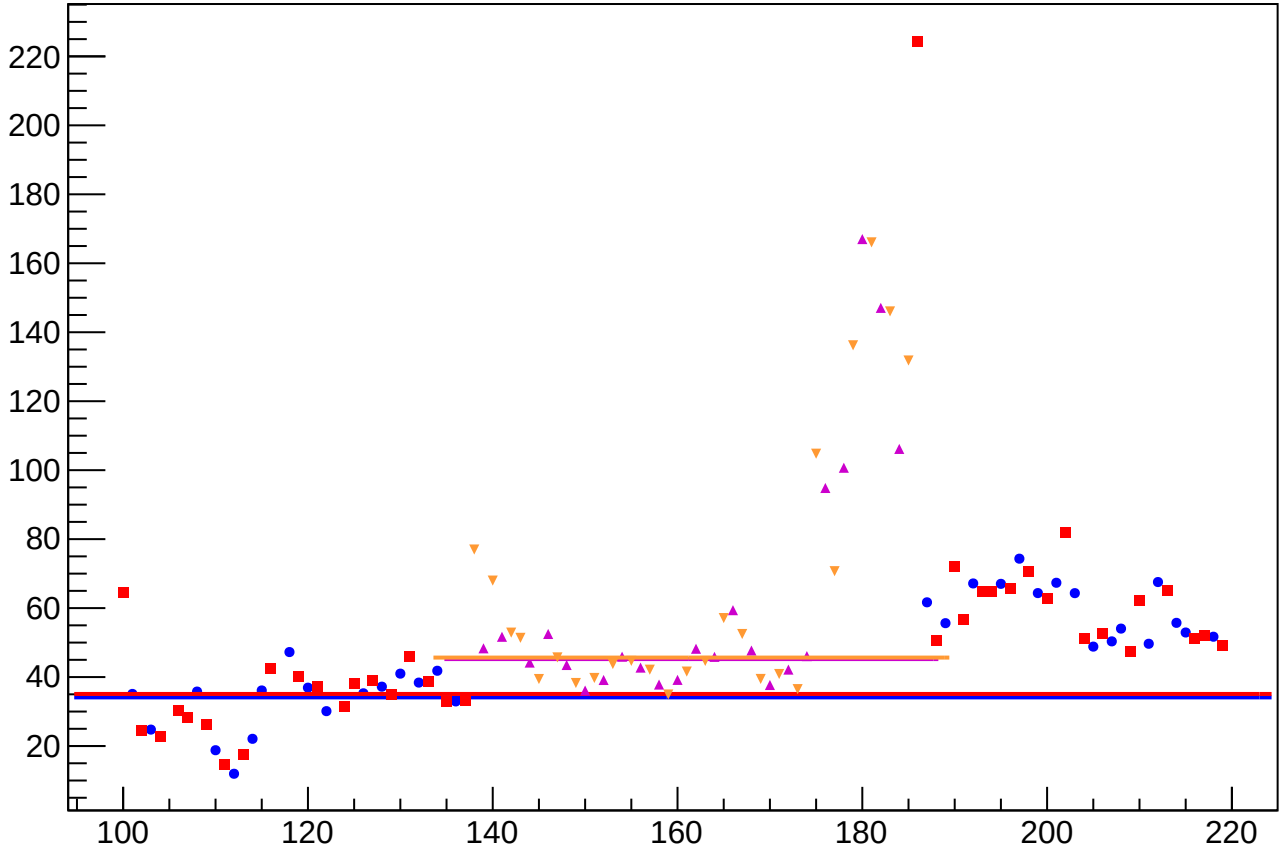
Right: 0.019+/-0.006 χ^2/NDF: 250.7/68

In: 0.003+/-0.007 χ^2/NDF:77.8/54

Out: 0.019+/-0.007 χ^2/NDF:216.8/61

All: 0.011+/-0.005 χ^2/NDF: 297.3/116

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.107+/-0.006 χ^2/NDF: 8449446.0/31

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 35.104+/-0.006 χ^2/NDF: 8232613.8/36

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

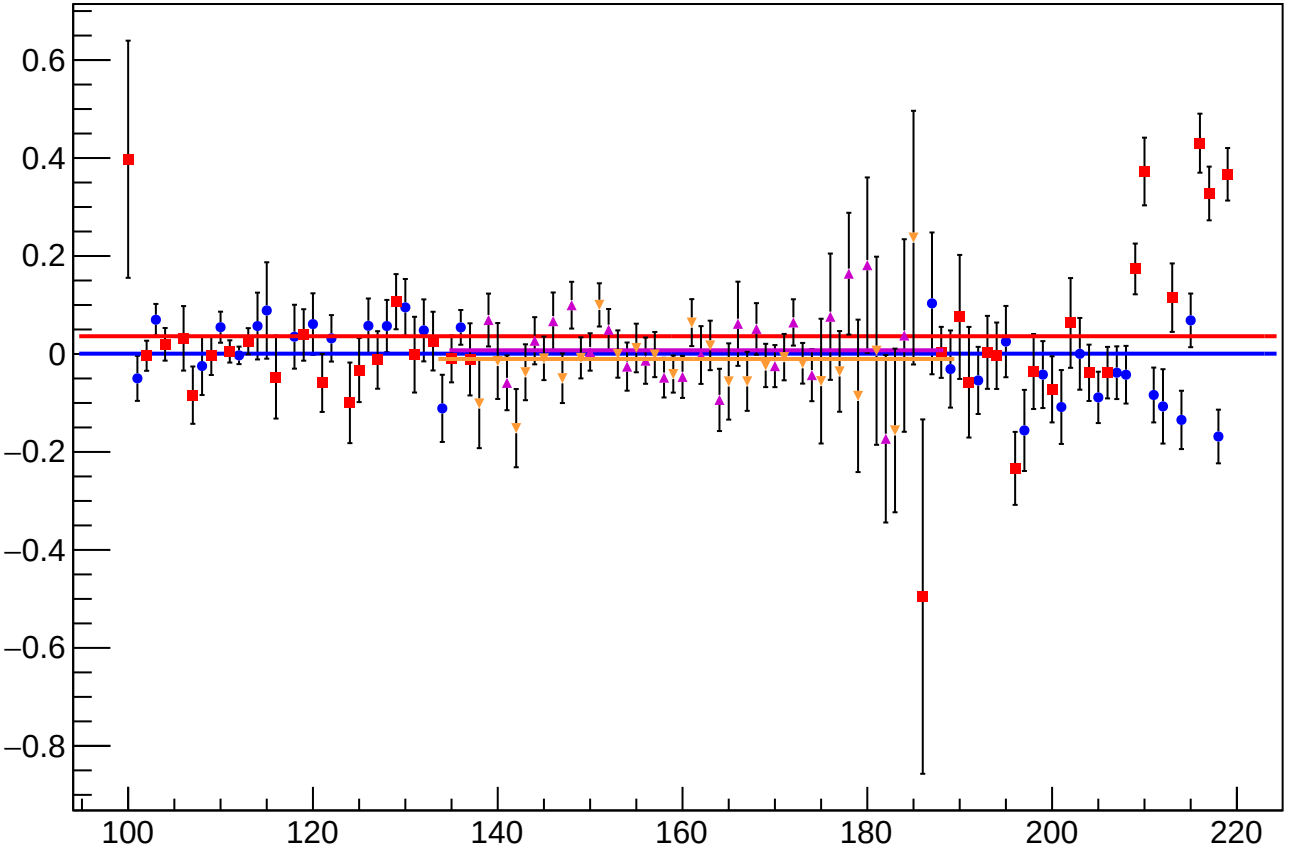
Right: 34.610+/-0.004 χ^2/NDF: 16695194.2/68

In: 38.212+/-0.005 χ^2/NDF:12636424.1/54

Out: 39.014+/-0.005 χ^2/NDF:13348970.7/61

All: 38.617+/-0.003 χ^2/NDF: 25998892.7/116

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.009 χ^2/NDF: 54.3/31

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.036+/-0.009 χ^2/NDF: 188.0/36

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

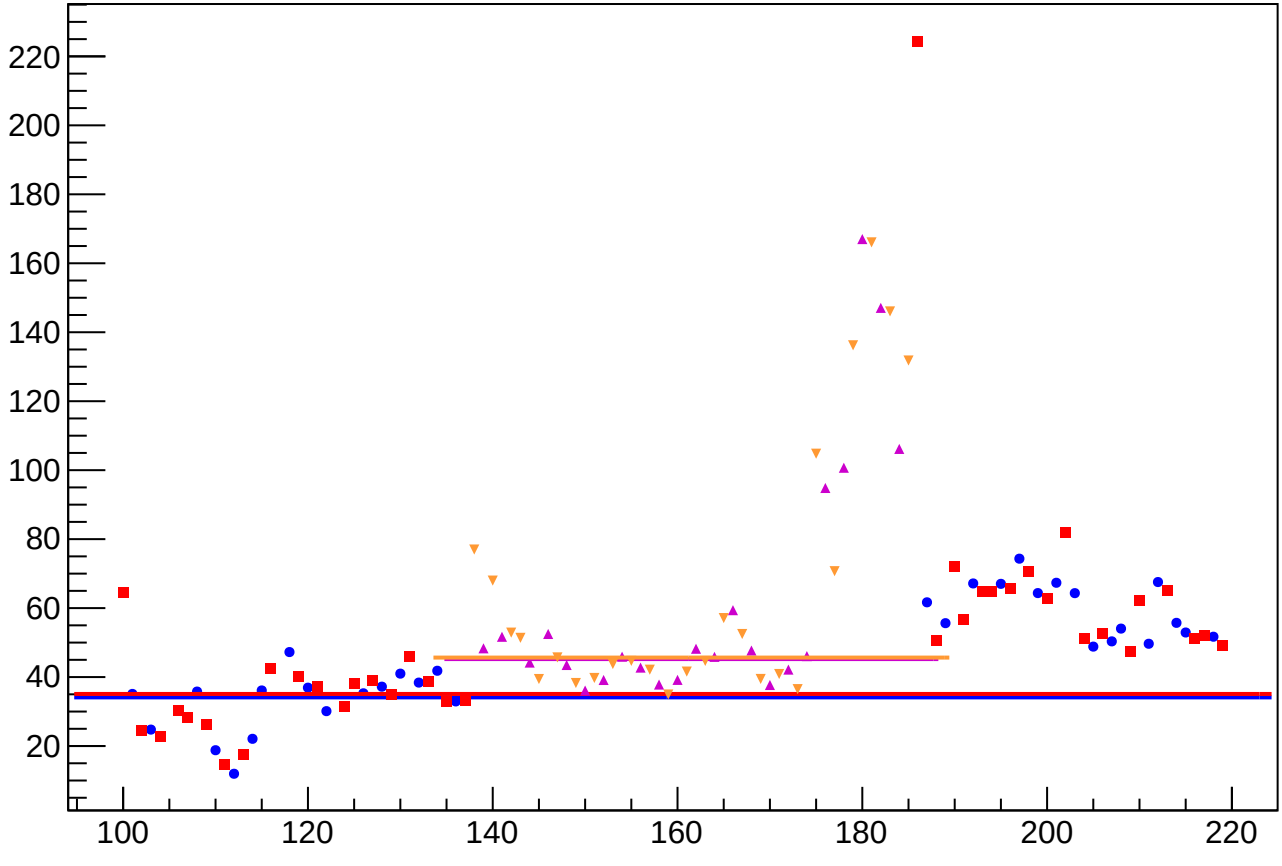
Right: 0.019+/-0.006 χ^2/NDF: 250.7/68

In: 0.003+/-0.007 χ^2/NDF:77.8/54

Out: 0.019+/-0.007 χ^2/NDF:216.8/61

All: 0.011+/-0.005 χ^2/NDF: 297.3/116

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.107+/-0.006 χ^2/NDF: 8449446.0/31

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 35.104+/-0.006 χ^2/NDF: 8232613.8/36

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

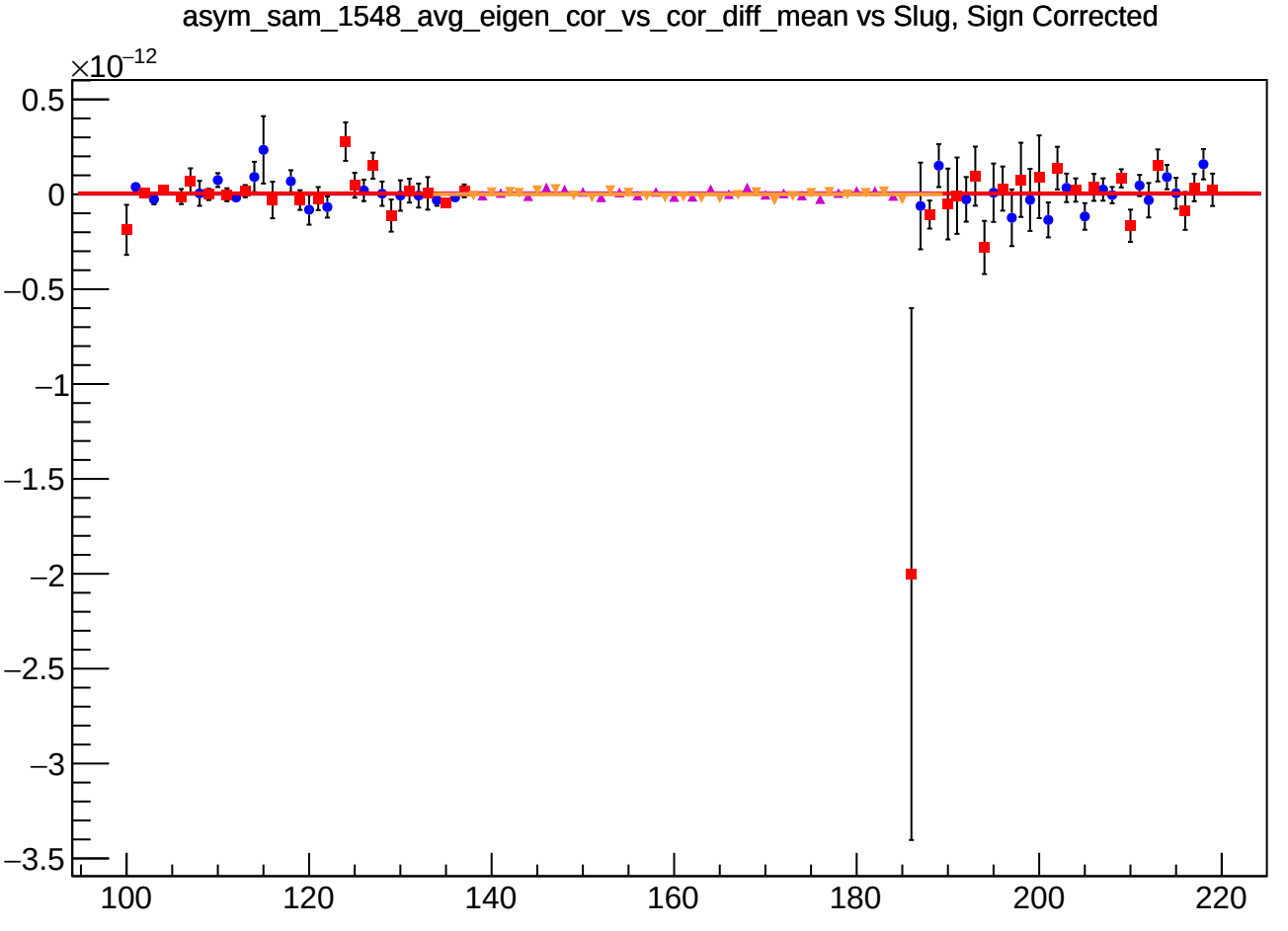
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 34.610+/-0.004 χ^2/NDF: 16695194.2/68

In: 38.212+/-0.005 χ^2/NDF:12636424.1/54

Out: 39.014+/-0.005 χ^2/NDF:13348970.7/61

All: 38.617+/-0.003 χ^2/NDF: 25998892.7/116



Right In: 0.000+/-0.000 χ^2/NDF: 33.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.4/36

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

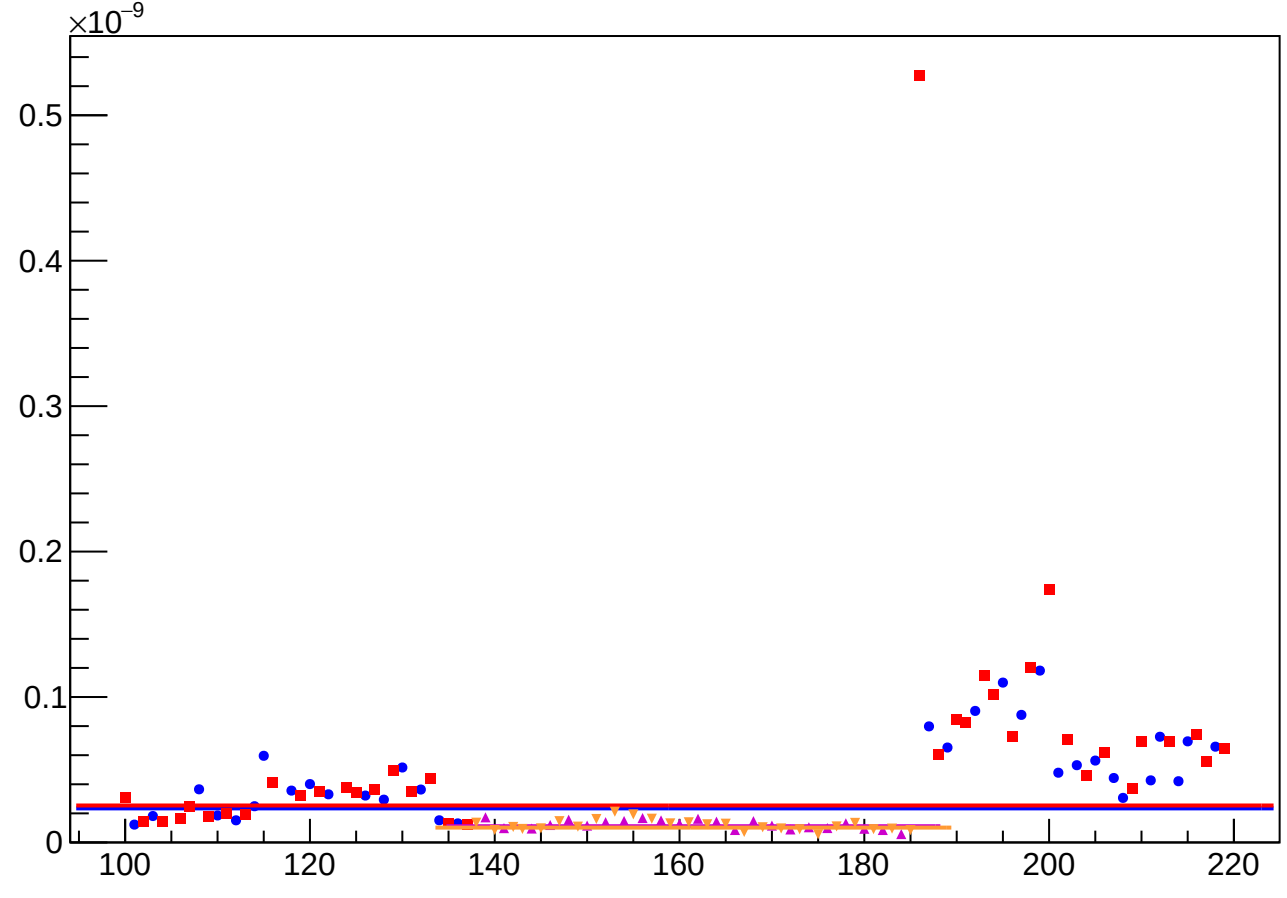
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 78.7/68

In: 0.000+/-0.000 χ^2/NDF:57.0/54

Out: 0.000+/-0.000 χ^2/NDF:71.0/61

All: 0.000+/-0.000 χ^2/NDF: 128.7/116



Right In: 0.000+/-0.000 χ^2/NDF: 8832695.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10174736.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

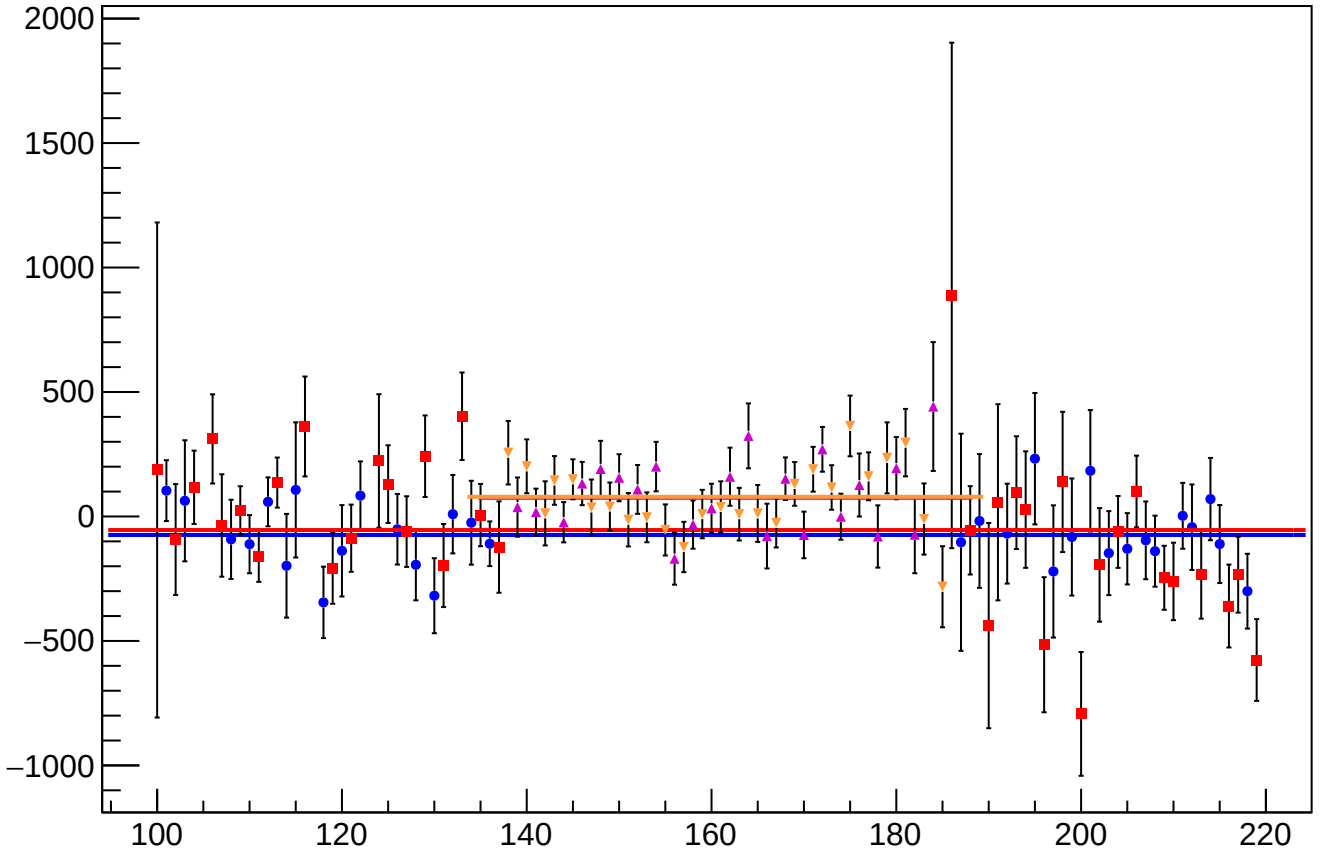
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 19066930.9/68

In: 0.000+/-0.000 χ^2/NDF:14490096.6/54

Out: 0.000+/-0.000 χ^2/NDF:18267198.2/61

All: 0.000+/-0.000 χ^2/NDF: 32886374.8/116



Right In: -74.364+/-27.684 χ^2/NDF: 20.9/31

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -54.486+/-27.280 χ^2/NDF: 66.0/36

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

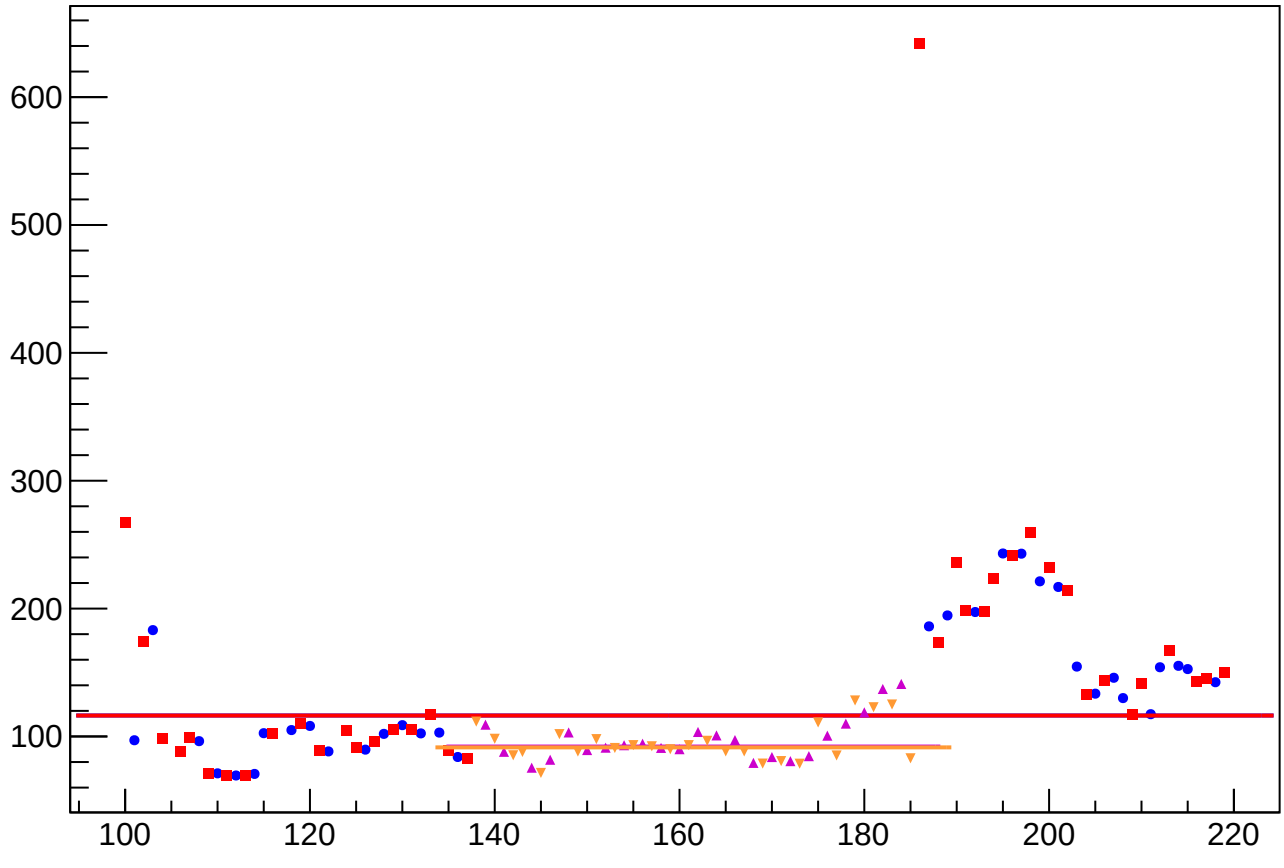
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -64.279+/-19.431 χ^2/NDF: 87.1/68

In: 17.742+/-17.145 χ^2/NDF:71.5/54

Out: 29.089+/-16.691 χ^2/NDF:113.0/61

All: 23.568+/-11.960 χ^2/NDF: 184.7/116



Right In: 116.406+/-0.020 χ^2/NDF: 4371343.3/31

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 116.347+/-0.019 χ^2/NDF: 5877136.7/36

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

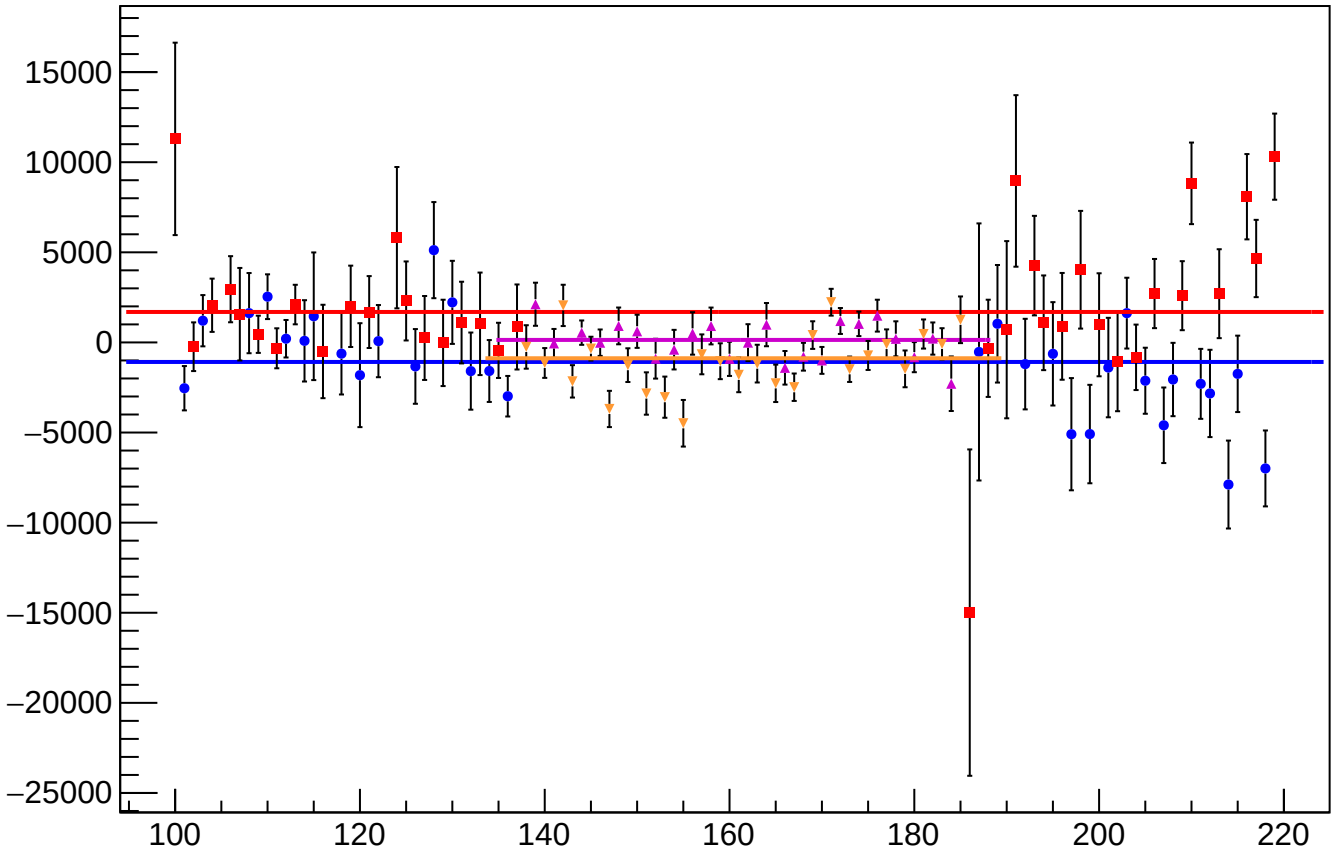
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 116.376+/-0.014 χ^2/NDF: 10248484.7/68

In: 101.423+/-0.012 χ^2/NDF:6021285.1/54

Out: 100.778+/-0.012 χ^2/NDF:7669613.6/61

All: 101.092+/-0.008 χ^2/NDF: 13692352.0/1



Right In: -1083.729+/-342.590 χ^2/NDF: 53.4/31

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 1690.305+/-333.788 χ^2/NDF: 59.3/36

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

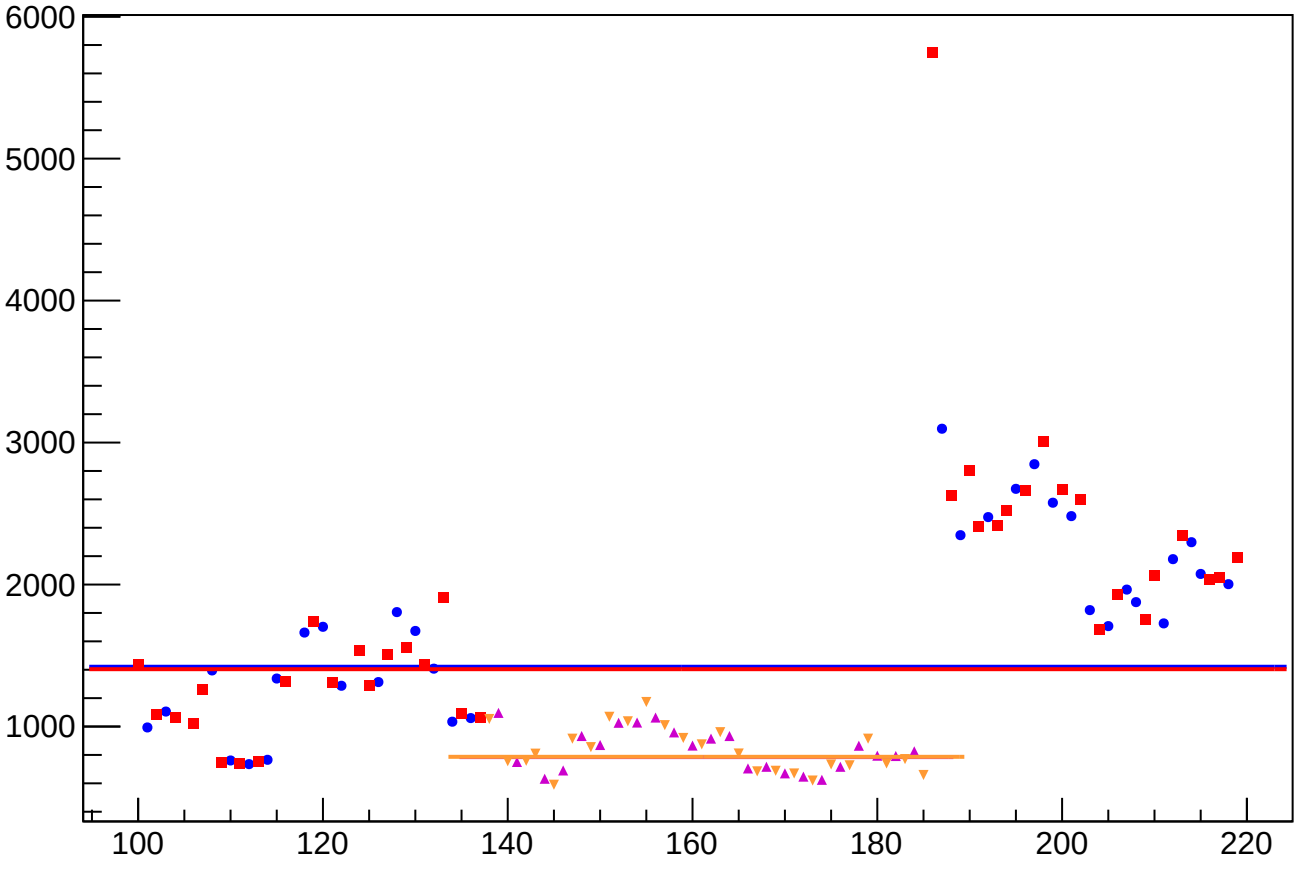
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 339.378+/-239.075 χ^2/NDF: 146.4/68

In: -140.902+/-163.851 χ^2/NDF:87.4/54

Out: -288.841+/-159.917 χ^2/NDF:172.7/61

All: -216.669+/-114.444 χ^2/NDF: 260.5/116



Right In: 1421.079+/-0.242 χ^2/NDF: 5666437.1/31

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1403.939+/-0.236 χ^2/NDF: 7414426.0/36

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

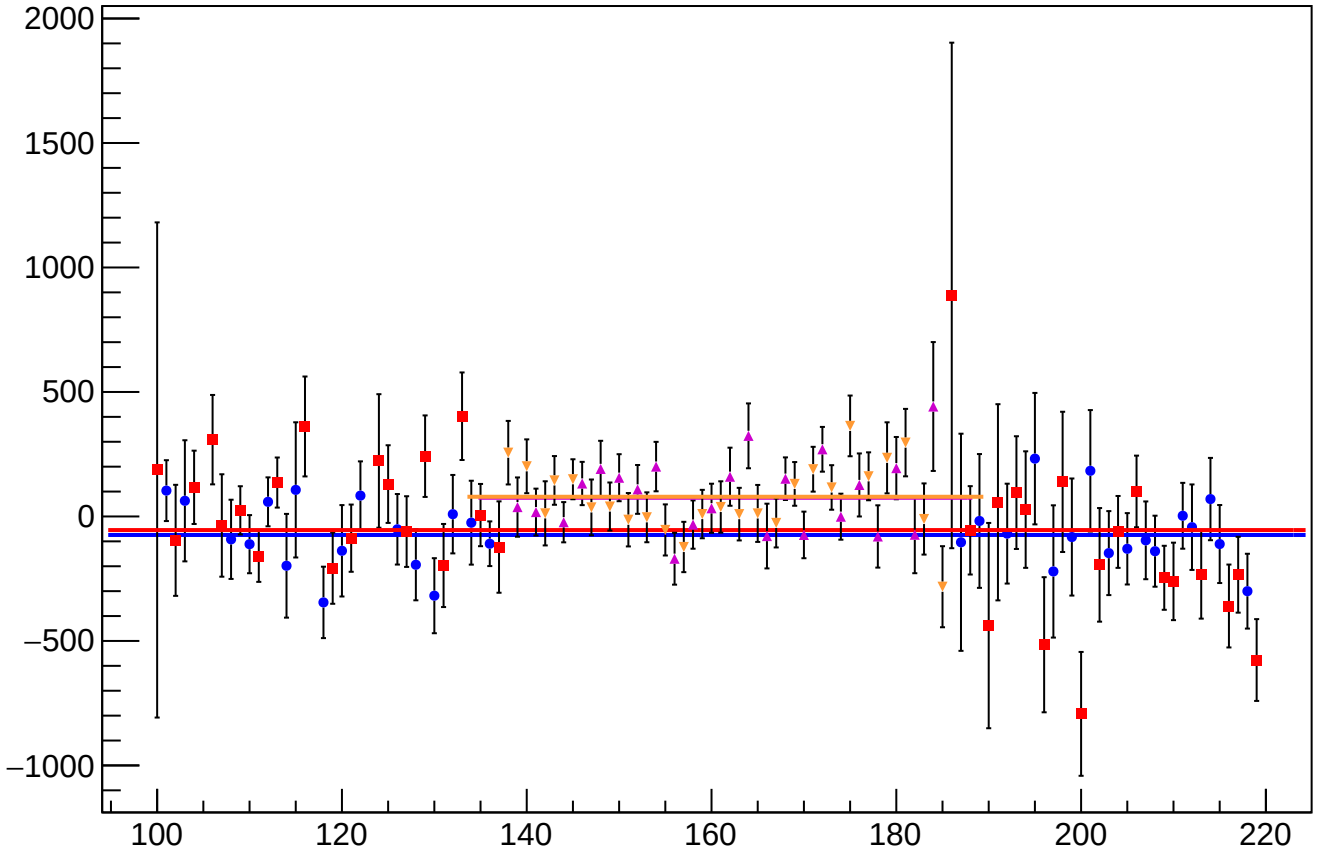
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1412.286+/-0.169 χ^2/NDF: 13083431.4/68

In: 930.370+/-0.116 χ^2/NDF:12050407.4/54

Out: 928.423+/-0.113 χ^2/NDF:13893545.8/61

All: 929.373+/-0.081 χ^2/NDF: 25944098.0/11



Right In: -74.374+/-27.684 χ^2/NDF: 20.9/31

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -54.656+/-27.282 χ^2/NDF: 65.9/36

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

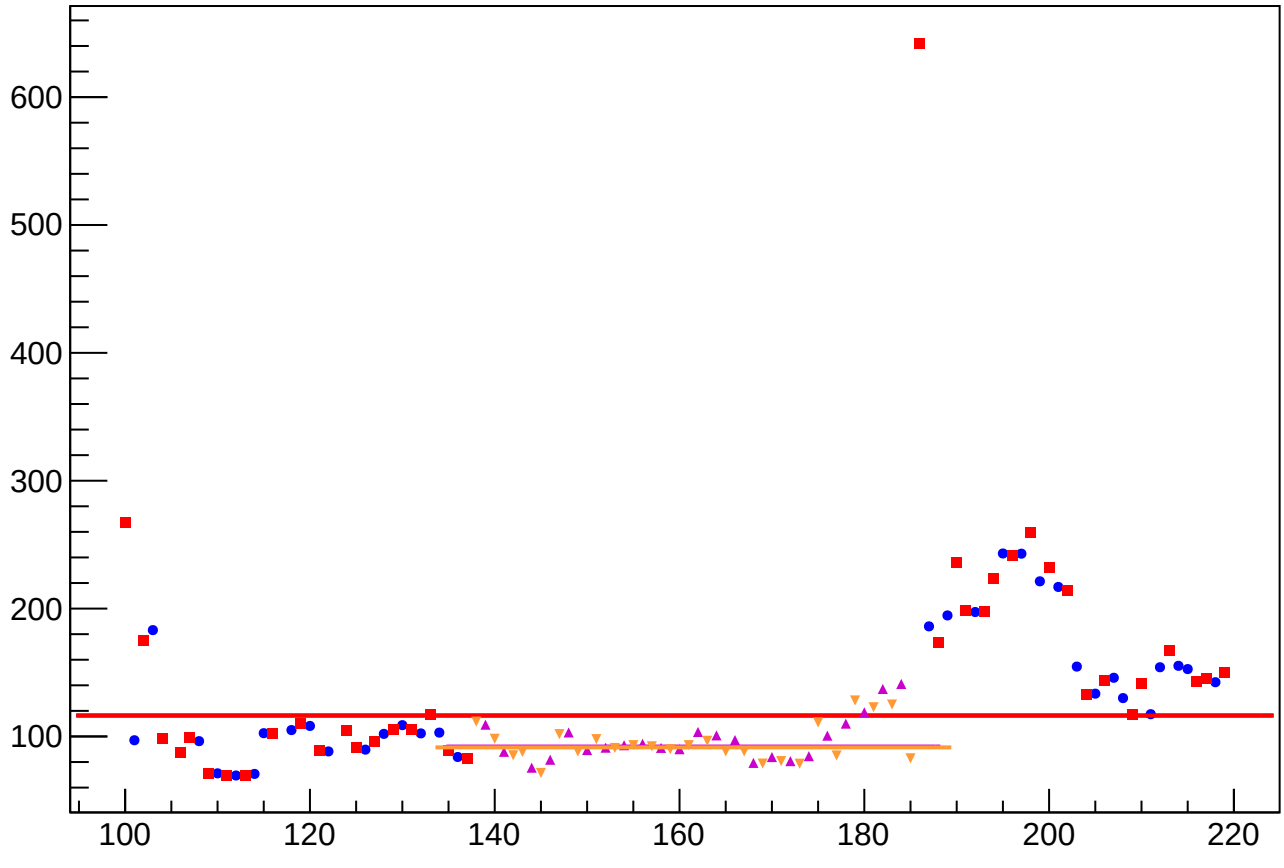
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -64.371+/-19.432 χ^2/NDF: 87.0/68

In: 17.739+/-17.145 χ^2/NDF:71.5/54

Out: 29.036+/-16.692 χ^2/NDF:112.9/61

All: 23.539+/-11.960 χ^2/NDF: 184.6/116



Right In: 116.406+/-0.020 χ^2/NDF: 4371346.3/31

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 116.321+/-0.019 χ^2/NDF: 5881681.7/36

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

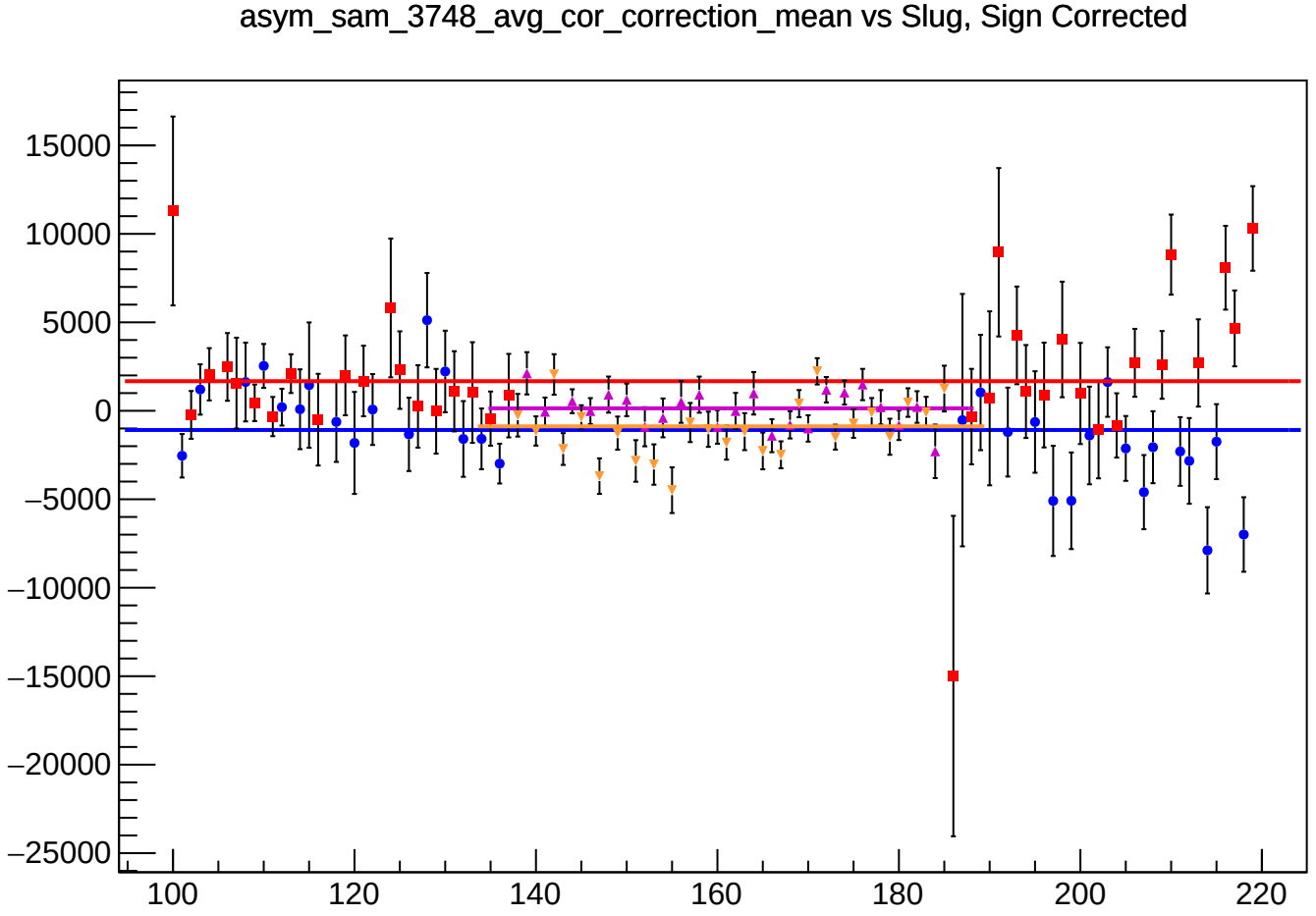
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 116.363+/-0.014 χ^2/NDF: 10253037.5/68

In: 101.423+/-0.012 χ^2/NDF:6021288.2/54

Out: 100.767+/-0.012 χ^2/NDF:7671879.6/61

All: 101.086+/-0.008 χ^2/NDF: 13694669.4/1



Right In: -1083.750+/-342.591 χ^2/NDF: 53.4/31

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1673.085+/-334.255 χ^2/NDF: 59.0/36

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

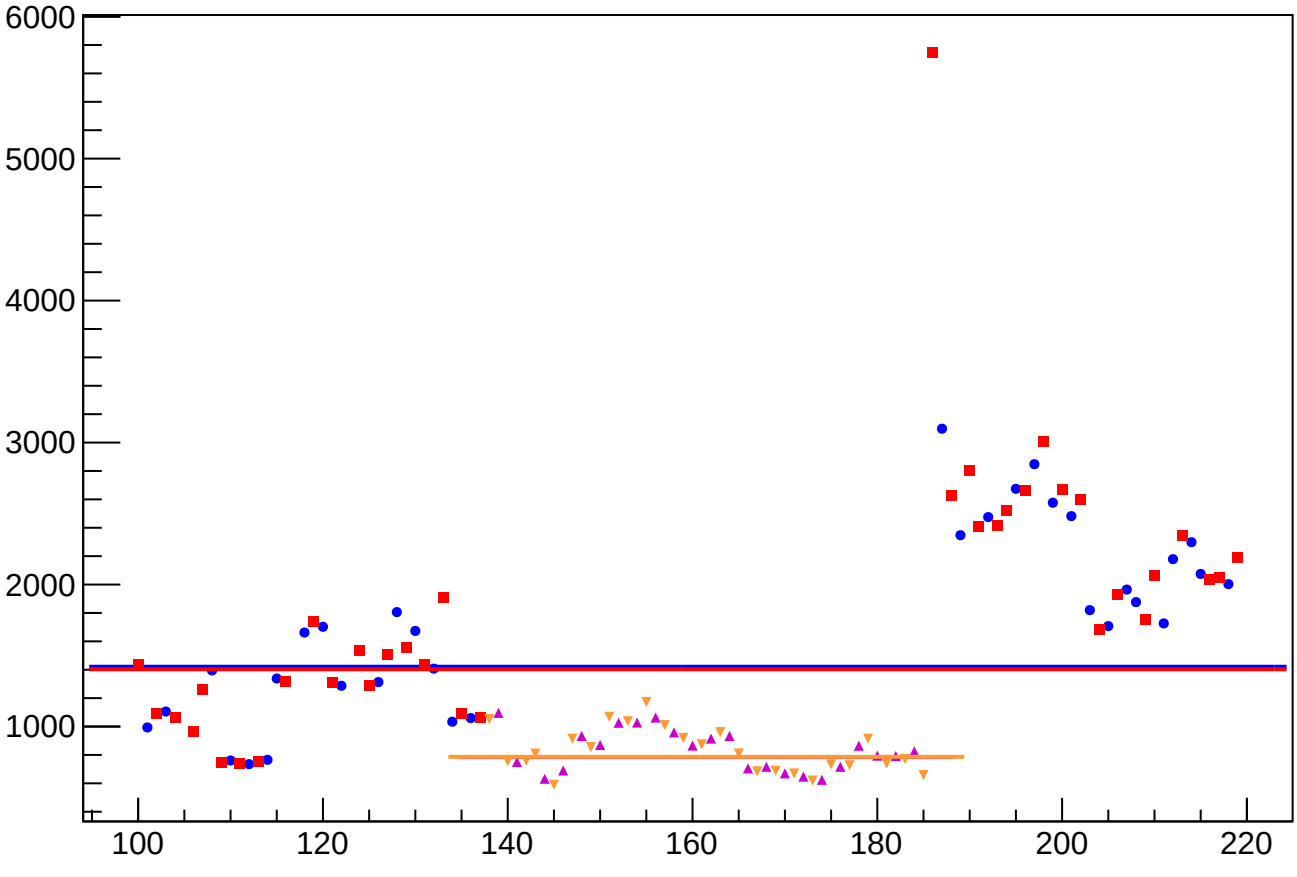
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 328.617+/-239.247 χ^2/NDF: 145.6/68

In: -140.903+/-163.851 χ^2/NDF:87.4/54

Out: -294.046+/-159.969 χ^2/NDF:171.7/61

All: -219.310+/-114.463 χ^2/NDF: 259.5/116



Right In: 1421.088+/-0.242 χ^2/NDF: 5666356.0/31

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1403.308+/-0.236 χ^2/NDF: 7432093.4/36

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

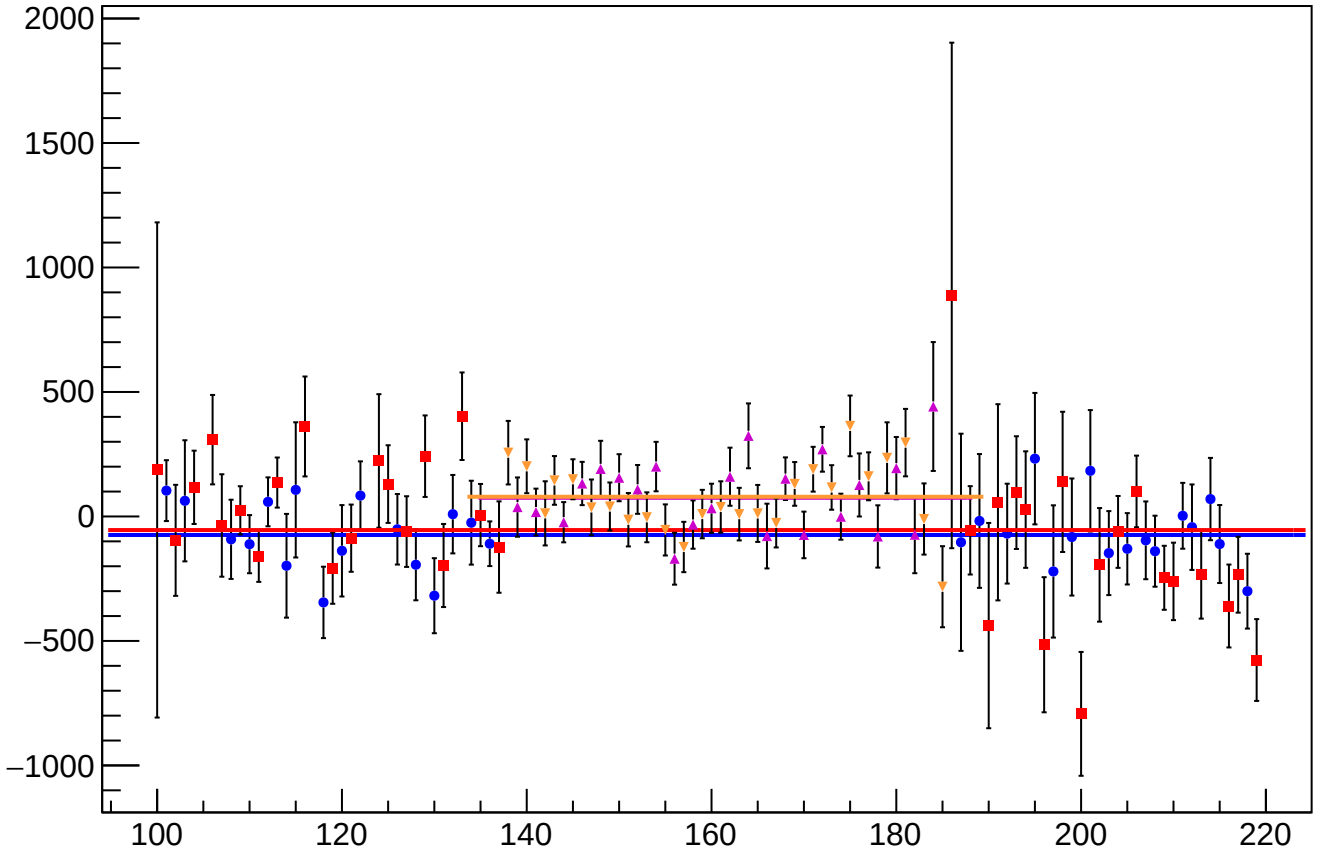
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1411.979+/-0.169 χ^2/NDF: 13101209.1/68

In: 930.372+/-0.116 χ^2/NDF:12050437.0/54

Out: 927.974+/-0.113 χ^2/NDF:13889156.7/61

All: 929.144+/-0.081 χ^2/NDF: 25939813.1/11



Right In: -74.374+/-27.684 χ^2/NDF: 20.9/31

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -54.656+/-27.282 χ^2/NDF: 65.9/36

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

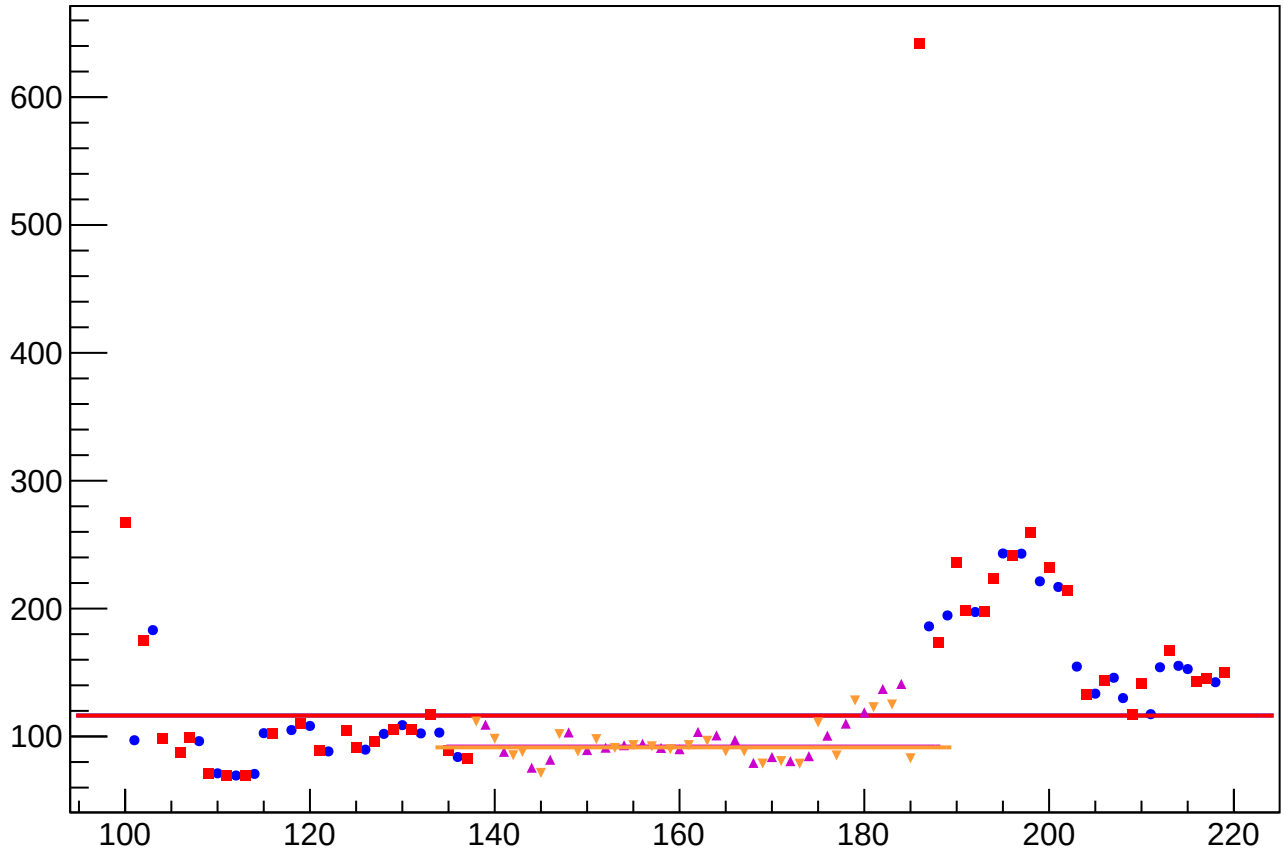
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -64.371+/-19.432 χ^2/NDF: 87.0/68

In: 17.739+/-17.145 χ^2/NDF:71.5/54

Out: 29.036+/-16.692 χ^2/NDF:112.9/61

All: 23.539+/-11.960 χ^2/NDF: 184.6/116



Right In: 116.406+/-0.020 χ^2/NDF: 4371346.3/31

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 116.321+/-0.019 χ^2/NDF: 5881681.7/36

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

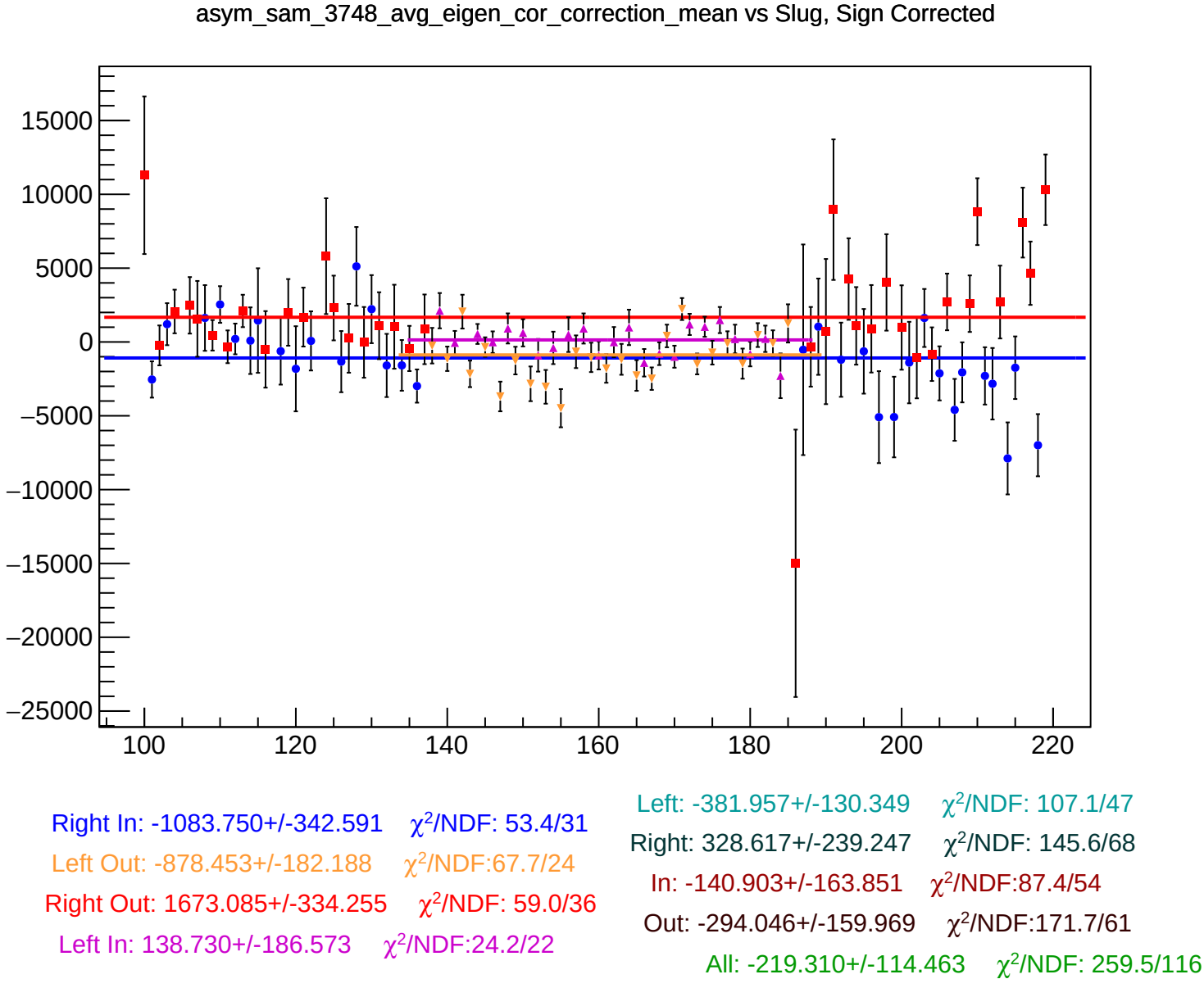
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 116.363+/-0.014 χ^2/NDF: 10253037.5/68

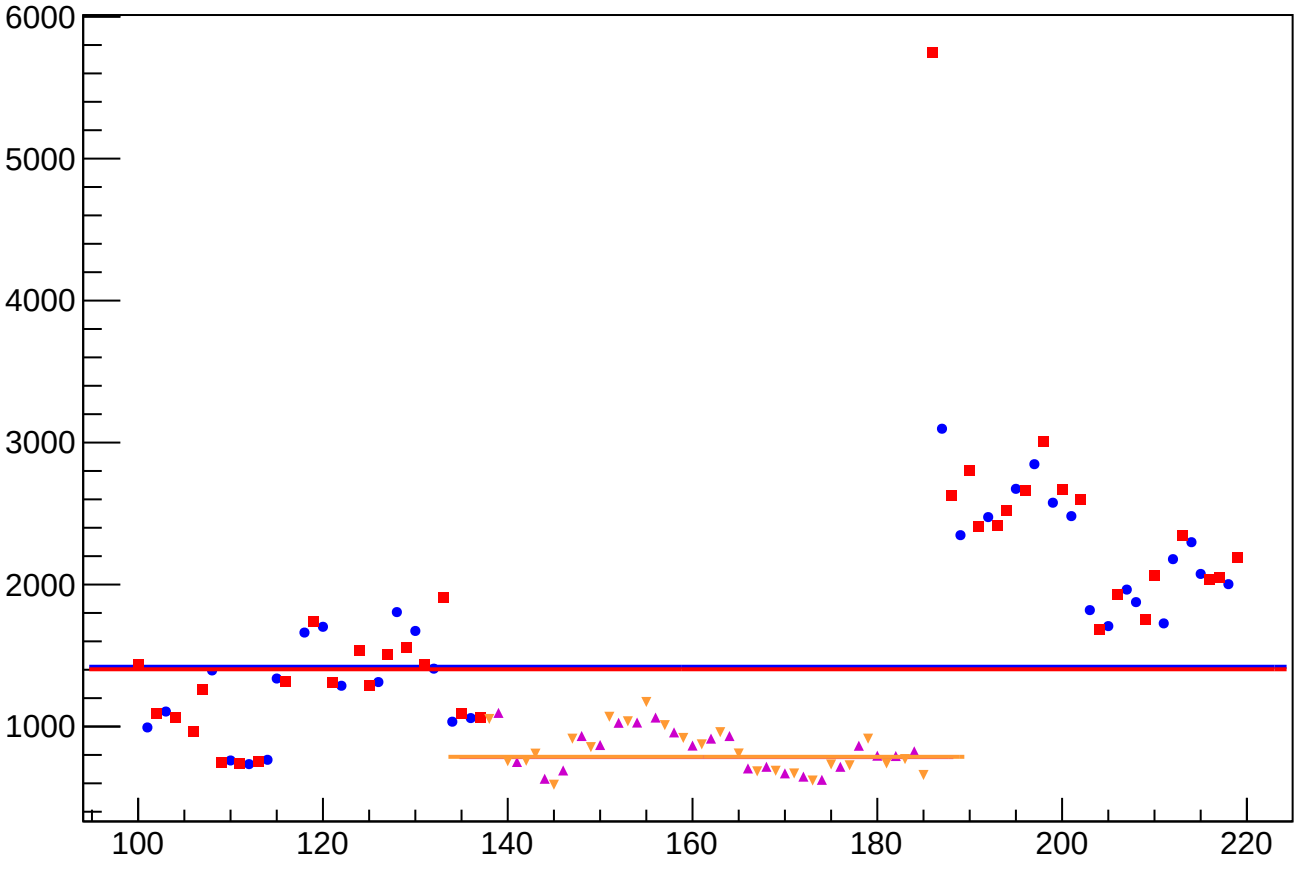
In: 101.423+/-0.012 χ^2/NDF:6021288.2/54

Out: 100.767+/-0.012 χ^2/NDF:7671879.6/61

All: 101.086+/-0.008 χ^2/NDF: 13694669.4/1


asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
220
Right In: -1083.750+/-342.591 χ²/NDF: 53.4/31
Left Out: -878.453+/-182.188 χ²/NDF:67.7/24
Right Out: 1673.085+/-334.255 χ²/NDF: 59.0/36
Left In: 138.730+/-186.573 χ²/NDF:24.2/22
Left: -381.957+/-130.349 χ²/NDF: 107.1/47
Right: 328.617+/-239.247 χ²/NDF: 145.6/68
In: -140.903+/-163.851 χ²/NDF:87.4/54
Out: -294.046+/-159.969 χ²/NDF:171.7/61
All: -219.310+/-114.463 χ²/NDF: 259.5/116

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1421.088+/-0.242 χ^2/NDF: 5666356.0/31

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1403.308+/-0.236 χ^2/NDF: 7432093.4/36

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

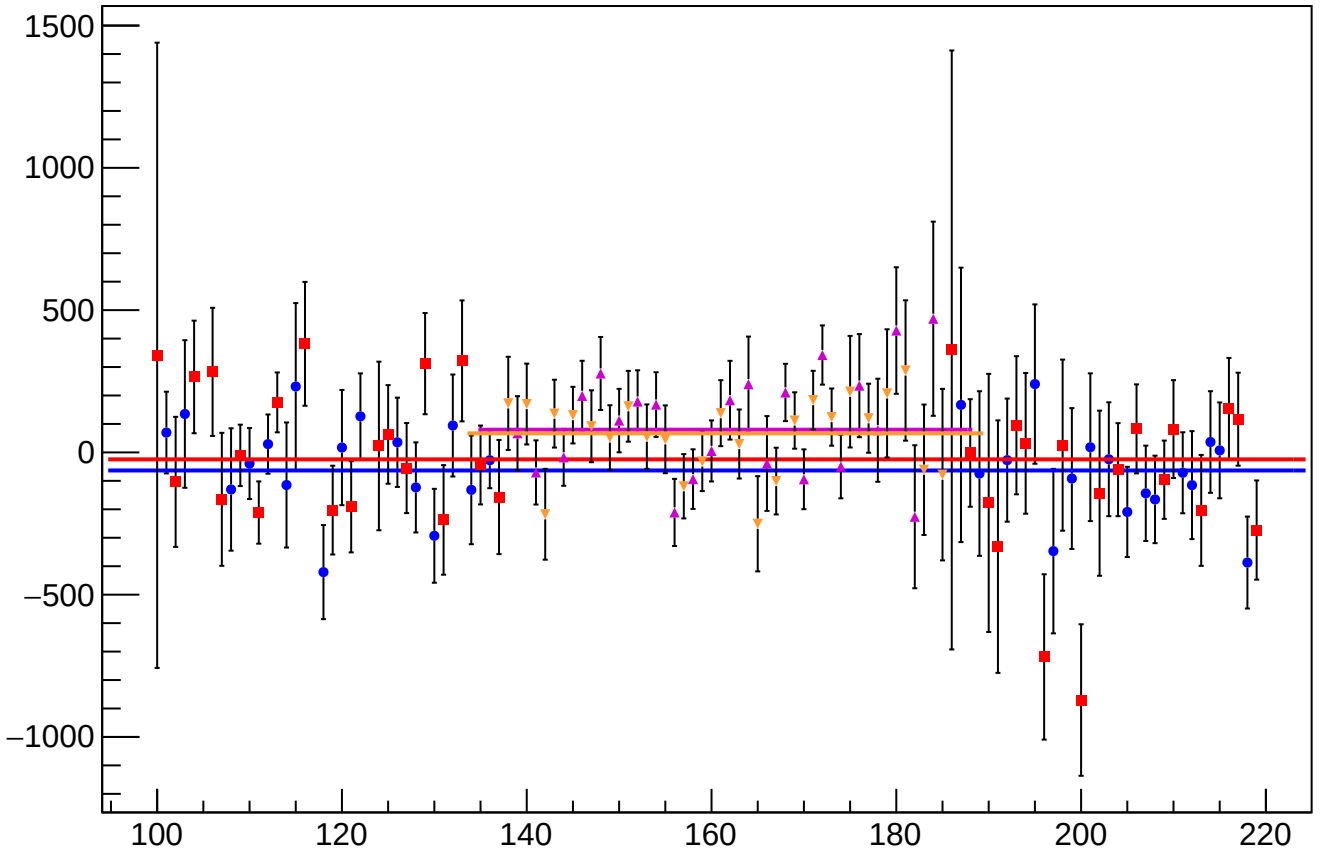
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1411.979+/-0.169 χ^2/NDF: 13101209.1/68

In: 930.372+/-0.116 χ^2/NDF:12050437.0/54

Out: 927.974+/-0.113 χ^2/NDF:13889156.7/61

All: 929.144+/-0.081 χ^2/NDF: 25939813.1/11



Right In: -63.514+/-30.485 χ^2/NDF: 22.0/31

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: -24.437+/-30.140 χ^2/NDF: 48.1/36

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

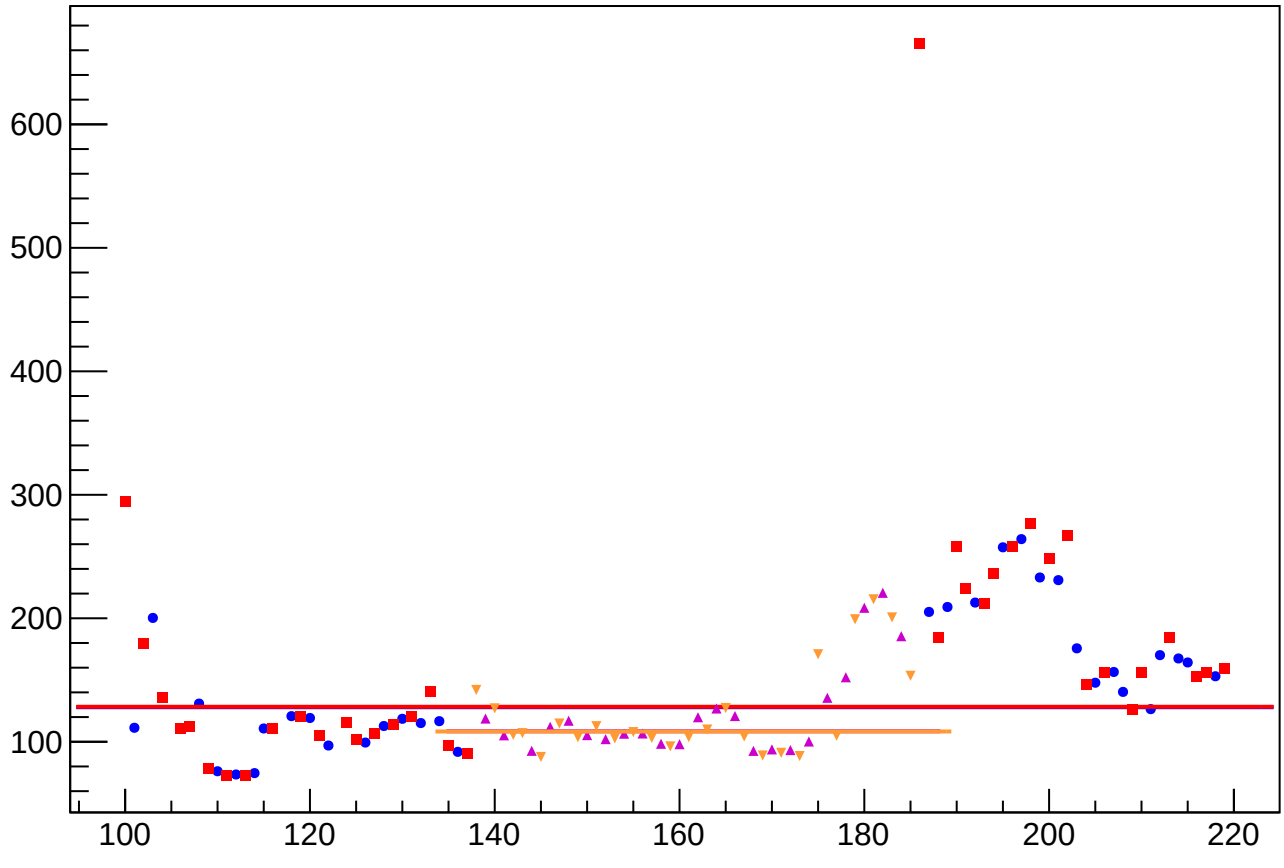
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -43.753+/-21.433 χ^2/NDF: 70.9/68

In: 18.632+/-19.913 χ^2/NDF:71.6/54

Out: 28.648+/-19.505 χ^2/NDF:73.0/61

All: 23.744+/-13.934 χ^2/NDF: 144.7/116



Right In: 127.984+/-0.022 χ^2/NDF: 4286977.6/31

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 128.331+/-0.021 χ^2/NDF: 5799416.1/36

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

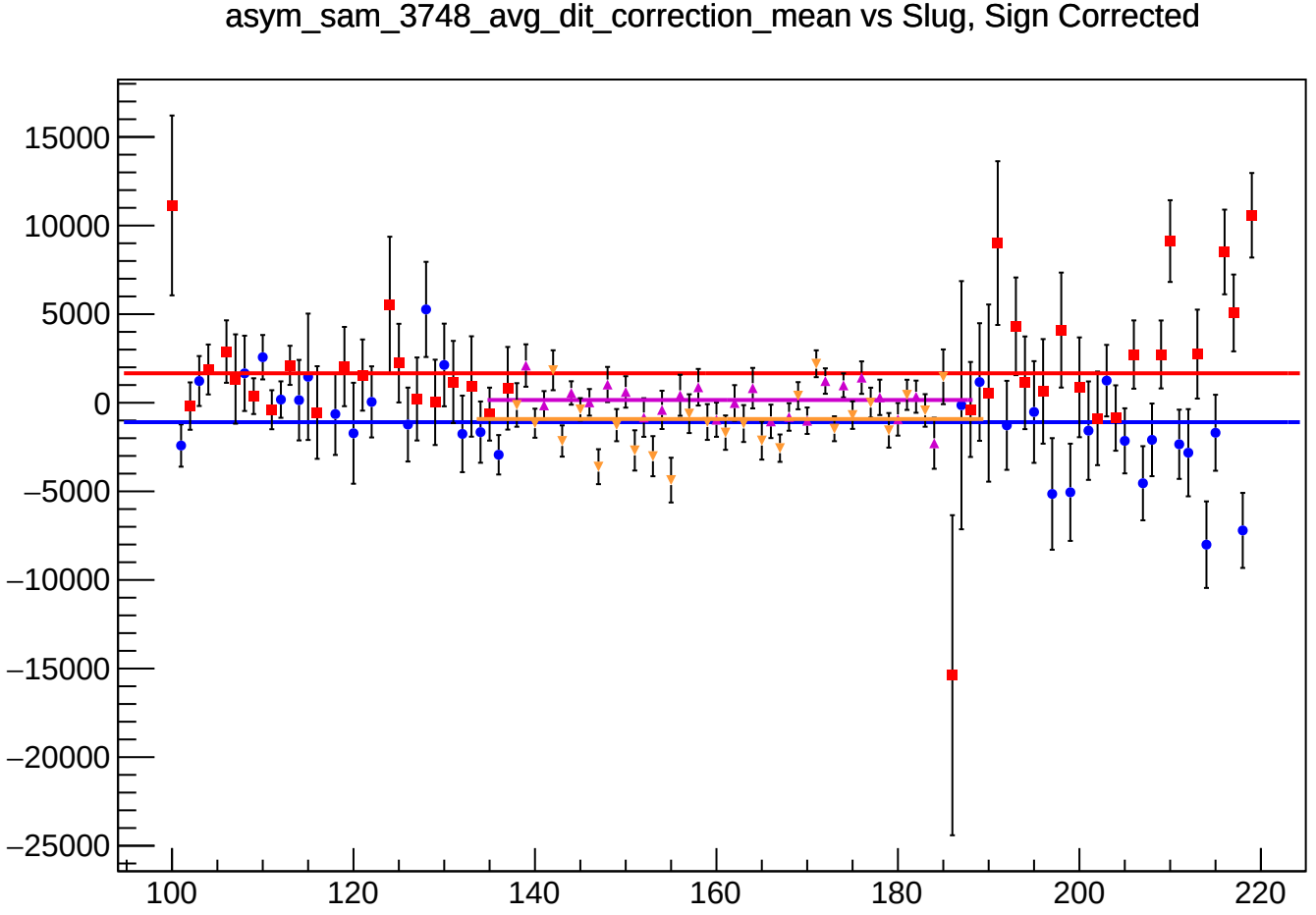
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 128.160+/-0.015 χ^2/NDF: 10086524.7/68

In: 116.809+/-0.014 χ^2/NDF:6135143.6/54

Out: 116.706+/-0.014 χ^2/NDF:8085914.3/61

All: 116.756+/-0.010 χ^2/NDF: 14221085.2/11



Right In: -1095.159+/-342.046 χ^2/NDF: 53.6/31

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: 1662.850+/-331.310 χ^2/NDF: 63.6/36

Left In: 155.874+/-187.116 χ^2/NDF:23.1/22

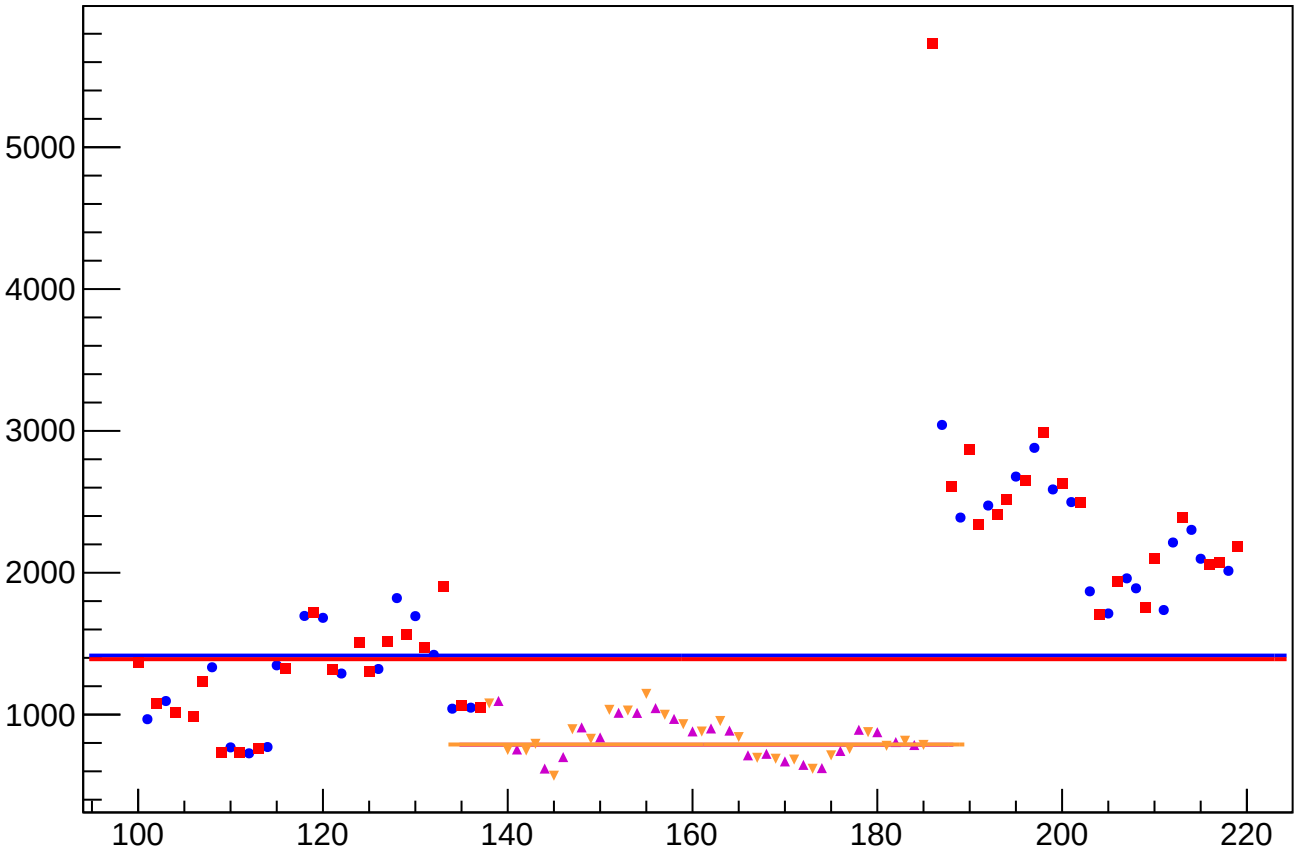
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 327.809+/-237.976 χ^2/NDF: 150.8/68

In: -132.280+/-164.158 χ^2/NDF:87.0/54

Out: -317.956+/-159.826 χ^2/NDF:174.3/61

All: -227.600+/-114.515 χ^2/NDF: 262.0/116



Right In: 1415.928+/-0.242 χ^2/NDF: 5833408.6/31

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1390.589+/-0.234 χ^2/NDF: 7581802.5/36

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

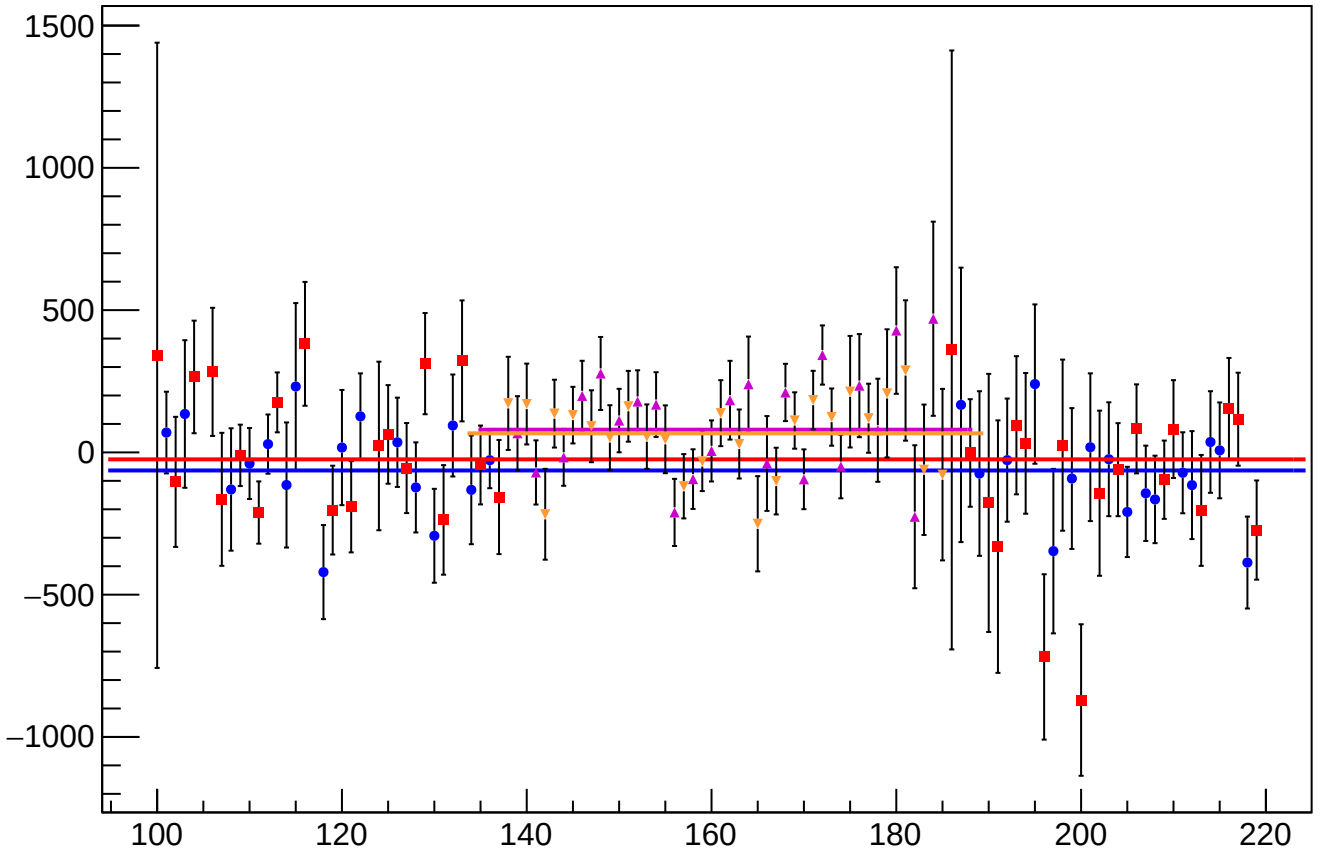
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1402.855+/-0.168 χ^2/NDF: 13420873.9/68

In: 932.162+/-0.116 χ^2/NDF:12072698.1/54

Out: 929.192+/-0.113 χ^2/NDF:13814014.2/61

All: 930.637+/-0.081 χ^2/NDF: 25887048.6/11



Right In: -63.512+/-30.485 χ^2/NDF: 22.0/31

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: -24.440+/-30.140 χ^2/NDF: 48.1/36

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

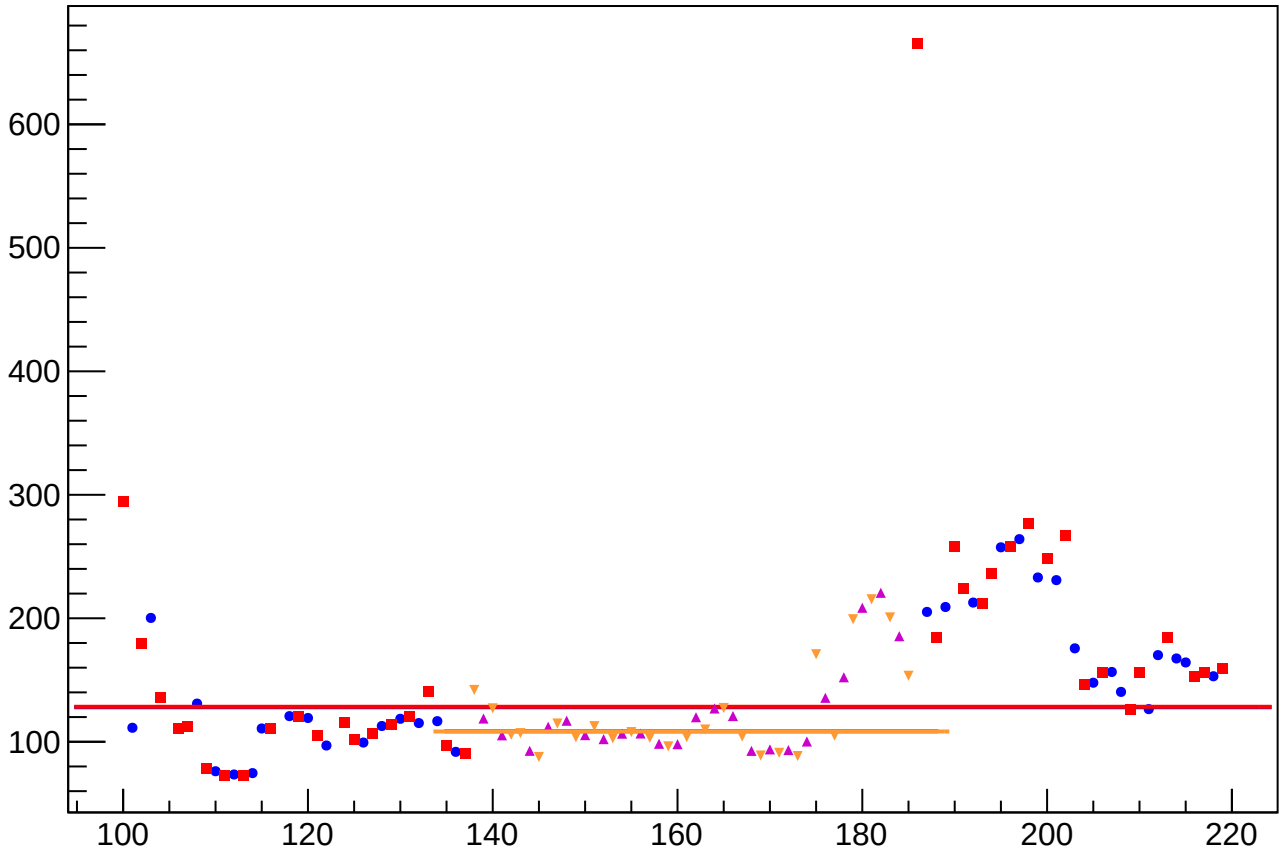
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -43.754+/-21.433 χ^2/NDF: 70.9/68

In: 18.633+/-19.913 χ^2/NDF:71.6/54

Out: 28.647+/-19.505 χ^2/NDF:73.0/61

All: 23.744+/-13.934 χ^2/NDF: 144.7/116



Right In: 127.984+/-0.022 χ^2/NDF: 4286960.4/31

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 128.331+/-0.021 χ^2/NDF: 5799413.5/36

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

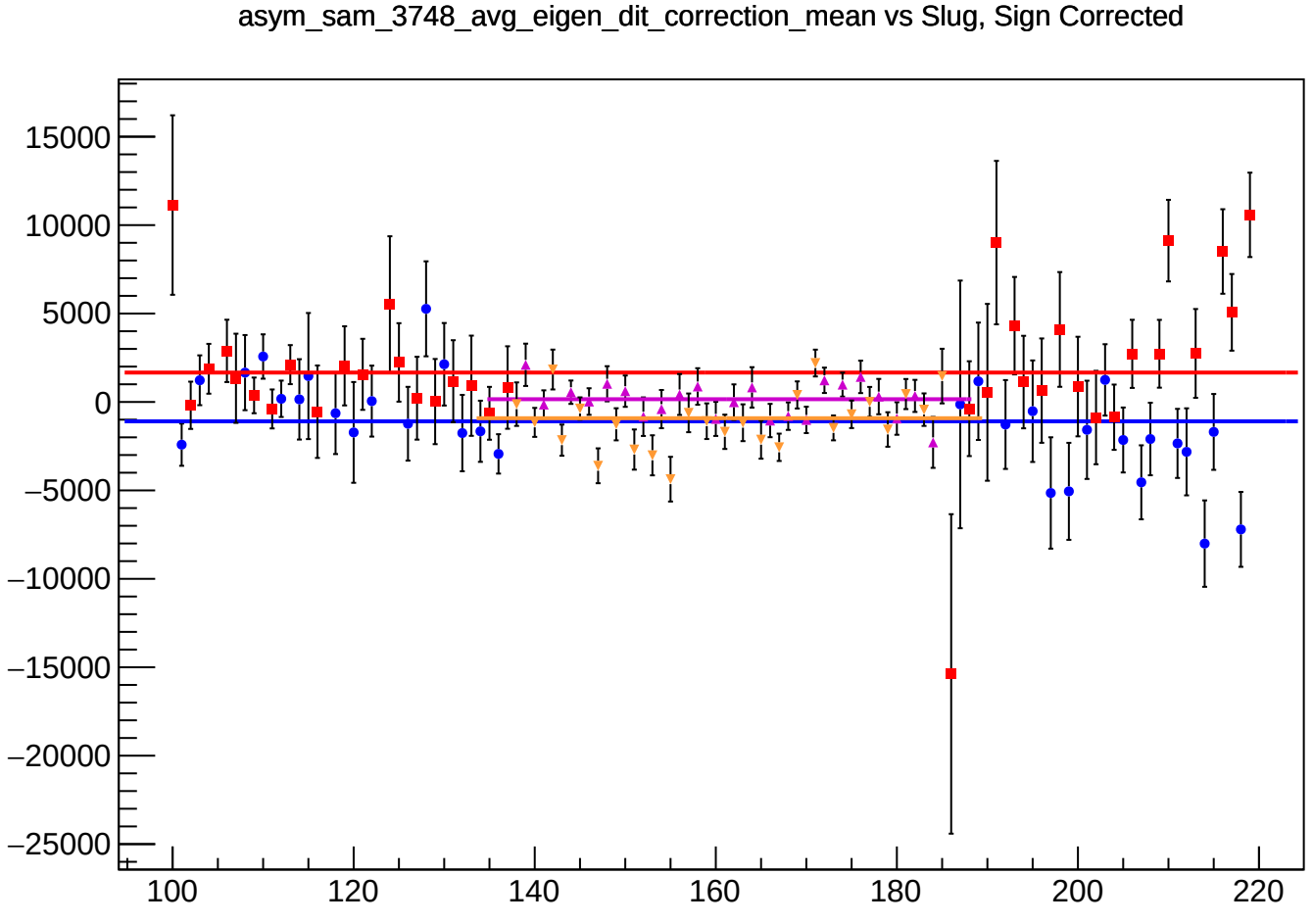
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 128.160+/-0.015 χ^2/NDF: 10086504.9/68

In: 116.809+/-0.014 χ^2/NDF:6135097.5/54

Out: 116.706+/-0.014 χ^2/NDF:8085895.7/61

All: 116.757+/-0.010 χ^2/NDF: 14221020.5/11



Right In: -1095.156+/-342.046 χ^2/NDF: 53.6/31

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

Right Out: 1662.847+/-331.309 χ^2/NDF: 63.6/36

Left In: 155.873+/-187.115 χ^2/NDF:23.1/22

Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

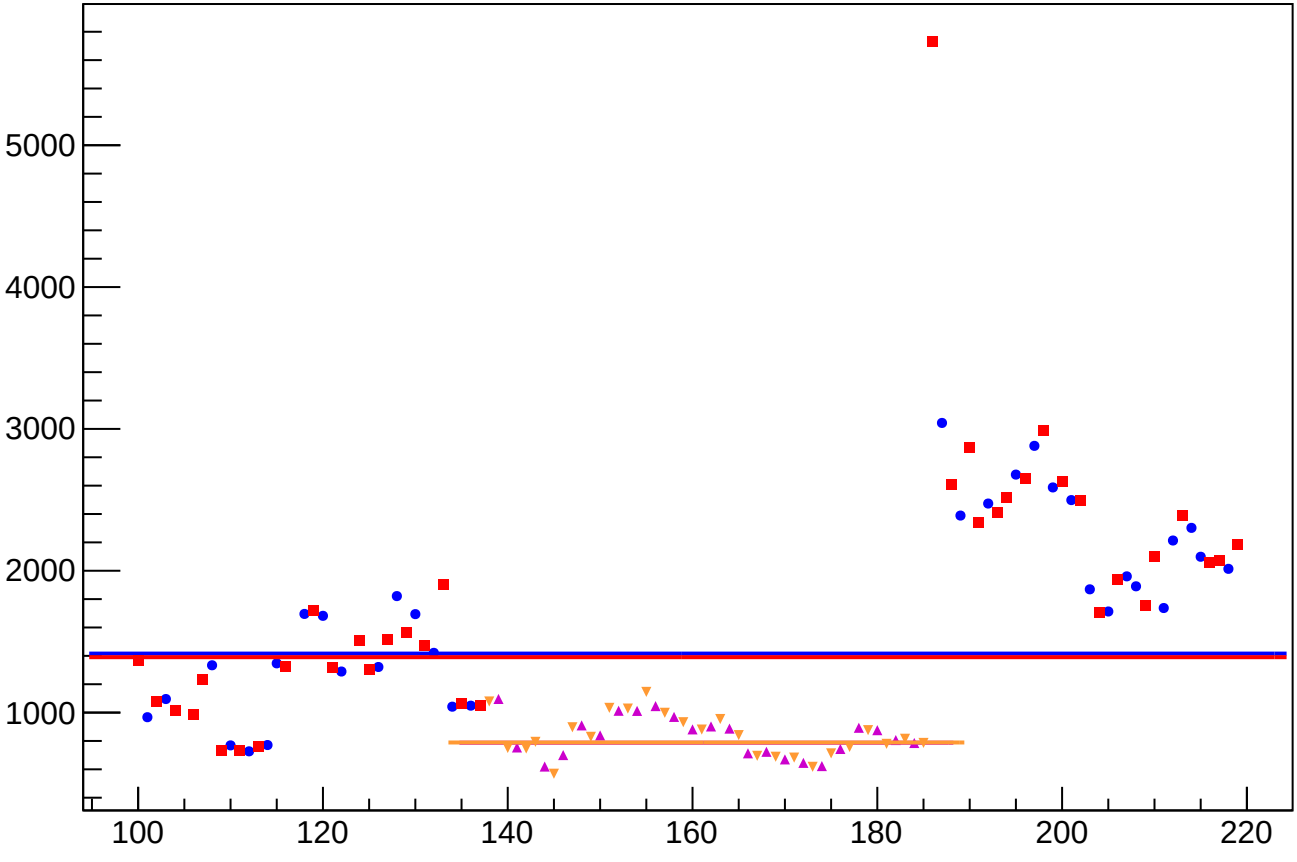
Right: 327.809+/-237.976 χ^2/NDF: 150.8/68

In: -132.279+/-164.158 χ^2/NDF:87.0/54

Out: -317.956+/-159.826 χ^2/NDF:174.3/61

All: -227.600+/-114.515 χ^2/NDF: 262.0/116

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1415.926+/-0.242 χ^2/NDF: 5833422.6/31

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1390.587+/-0.234 χ^2/NDF: 7581812.0/36

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

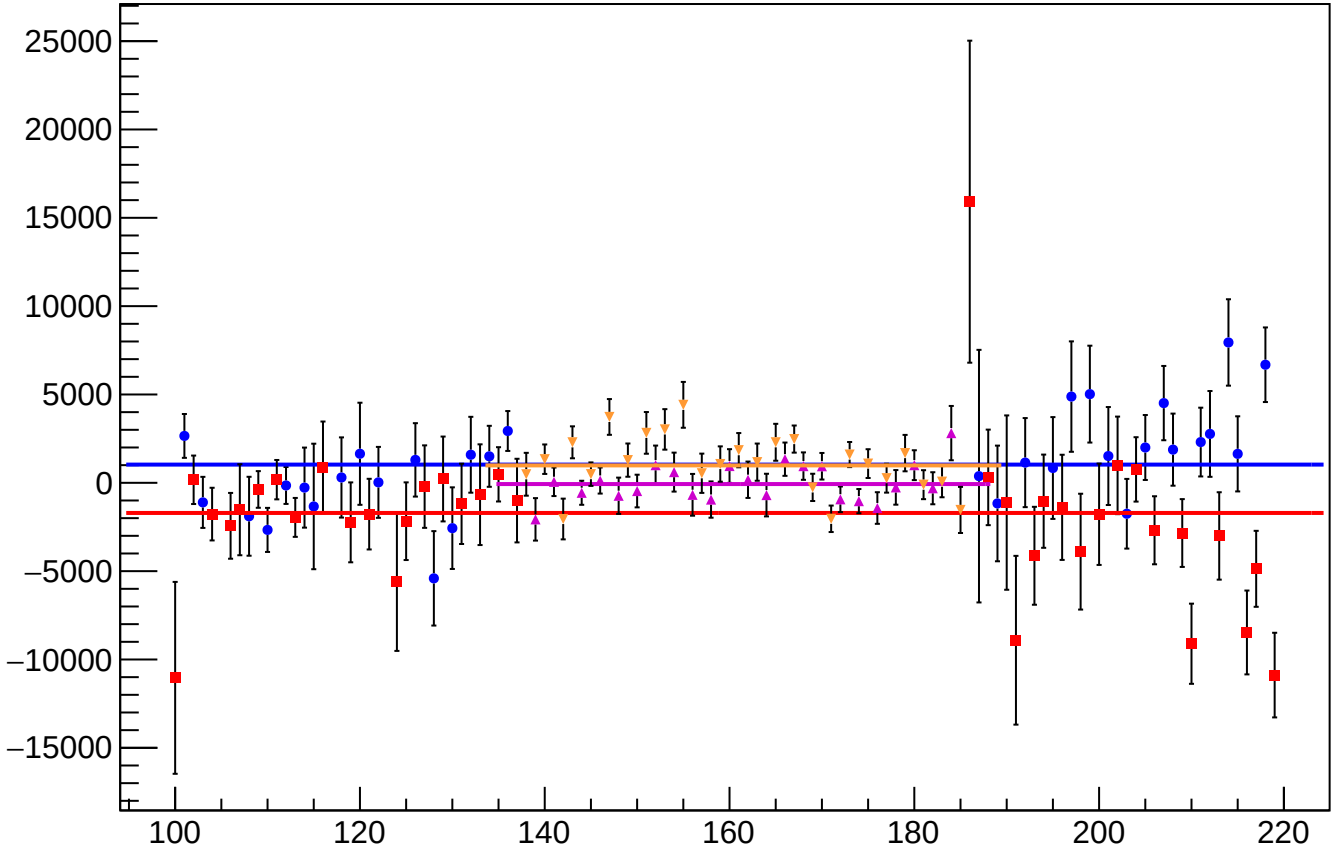
Right: 1402.853+/-0.168 χ^2/NDF: 13420897.4/68

In: 932.161+/-0.116 χ^2/NDF:12072713.3/54

Out: 929.190+/-0.113 χ^2/NDF:13814030.5/61

All: 930.636+/-0.081 χ^2/NDF: 25887080.1/11

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 1031.264+/-344.176 χ^2/NDF: 53.6/31

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -1705.802+/-335.416 χ^2/NDF: 62.1/36

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

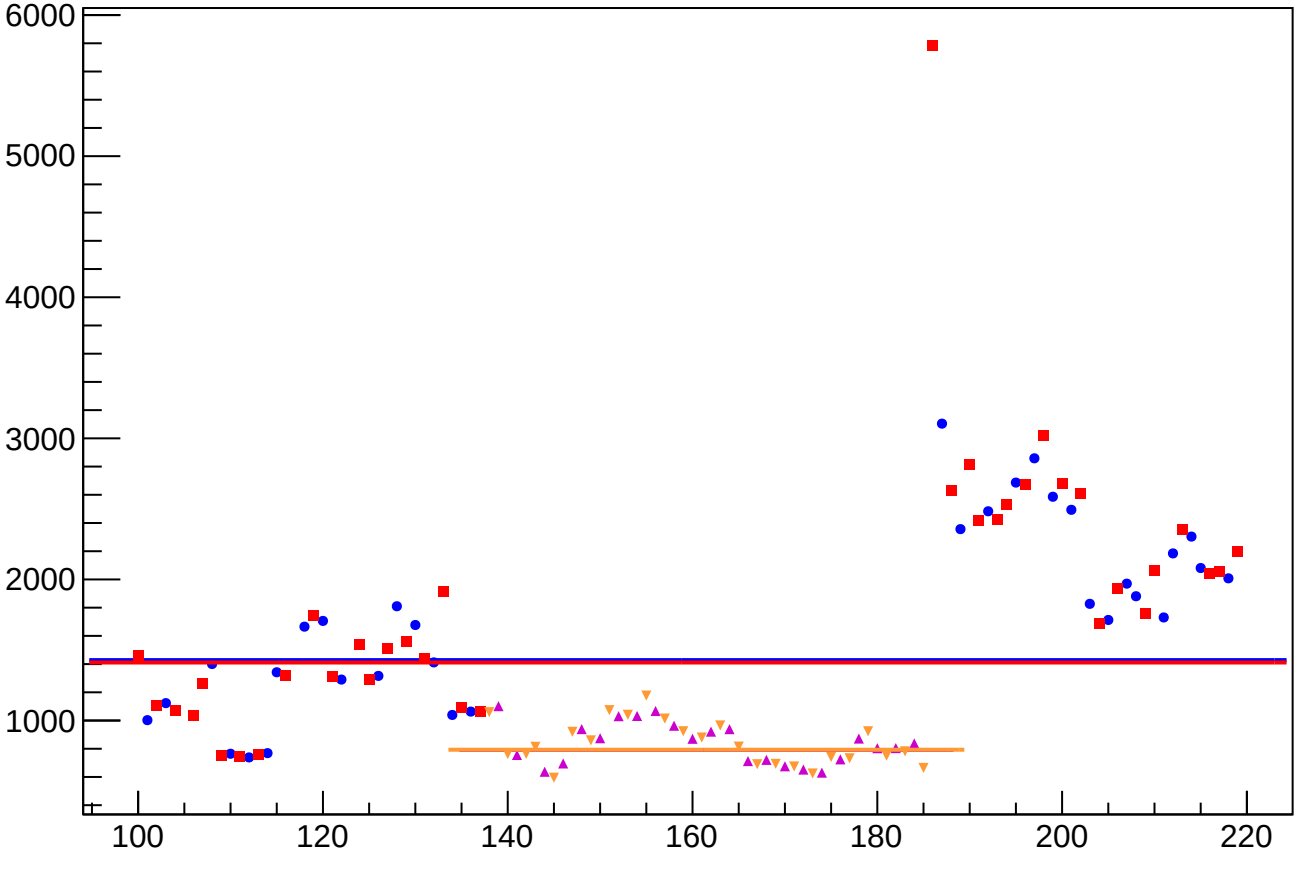
Right: -372.543+/-240.212 χ^2/NDF: 148.1/68

In: 183.080+/-165.015 χ^2/NDF:85.9/54

Out: 365.144+/-161.052 χ^2/NDF:175.3/61

All: 276.324+/-115.256 χ^2/NDF: 261.9/116

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1428.319+/-0.243 χ^2/NDF: 5635295.3/31

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1411.249+/-0.237 χ^2/NDF: 7382228.7/36

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

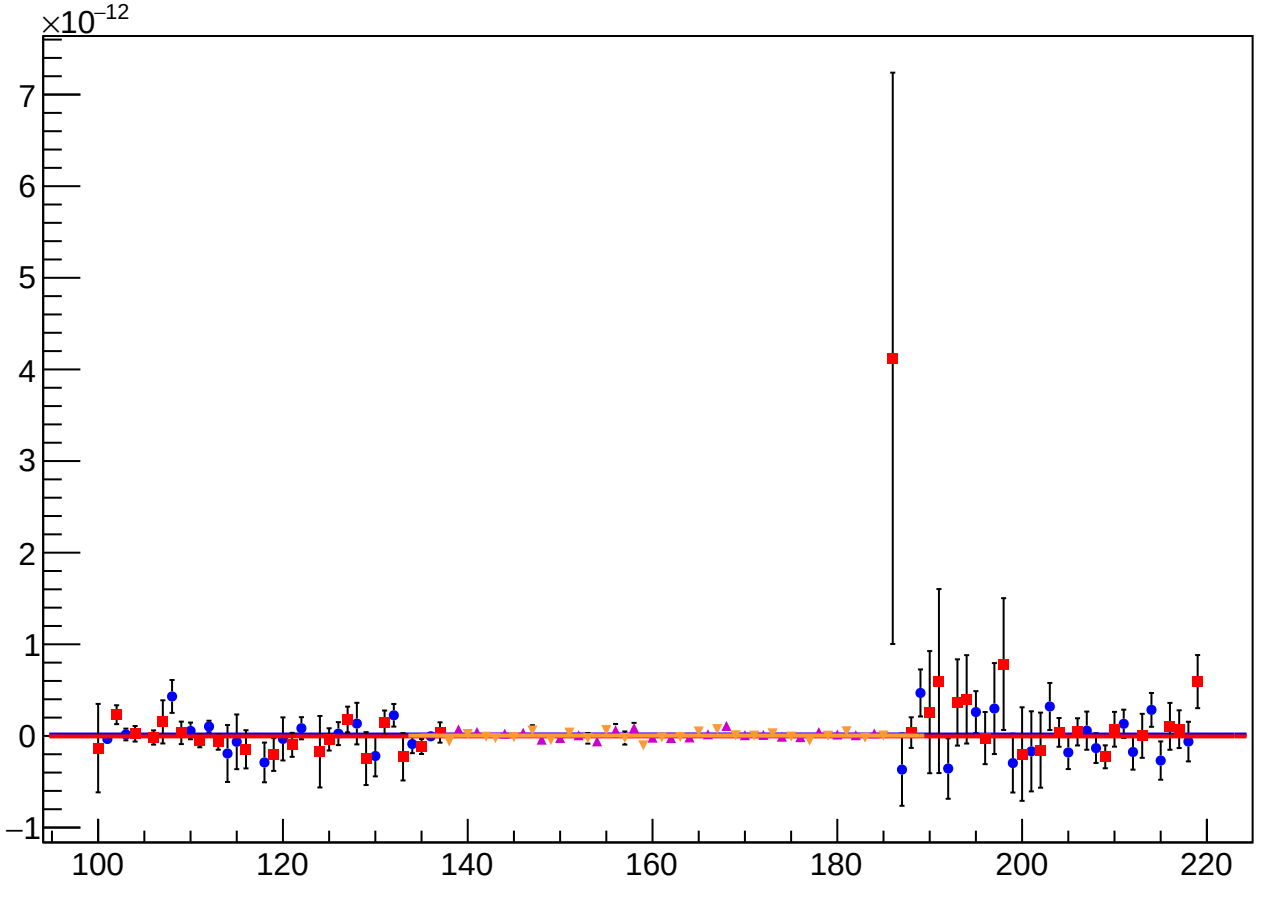
Right: 1419.564+/-0.170 χ^2/NDF: 13020047.3/68

In: 937.620+/-0.117 χ^2/NDF:11963199.2/54

Out: 935.576+/-0.114 χ^2/NDF:13803753.7/61

All: 936.573+/-0.081 χ^2/NDF: 25767110.2/11

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 33.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.1/36

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

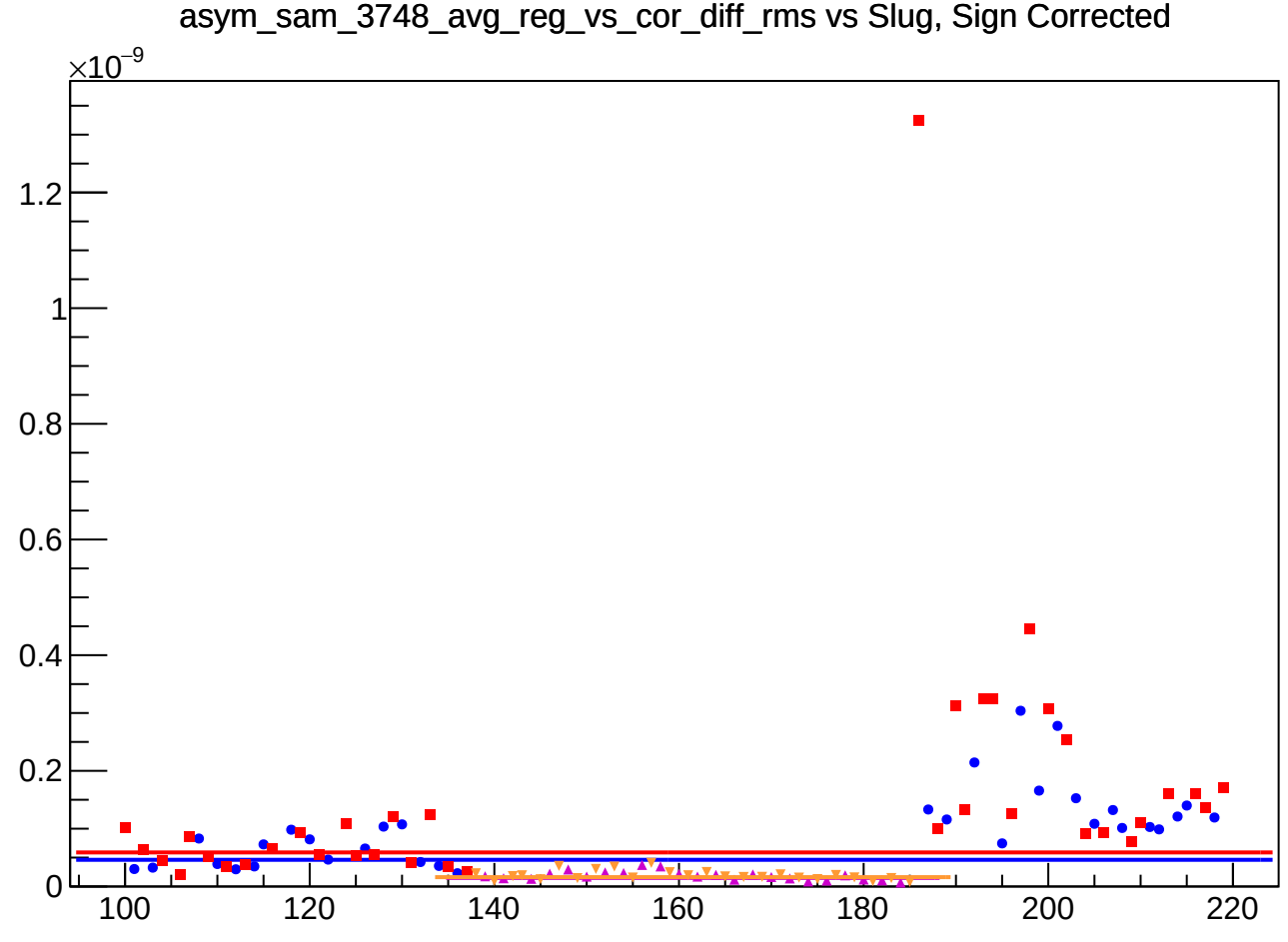
Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

Right: 0.000+/-0.000 χ^2/NDF: 63.5/68

In: 0.000+/-0.000 χ^2/NDF:59.2/54

Out: 0.000+/-0.000 χ^2/NDF:63.2/61

All: 0.000+/-0.000 χ^2/NDF: 123.6/116



Right In: 0.000+/-0.000 χ^2/NDF: 6456100.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6918844.8/36

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

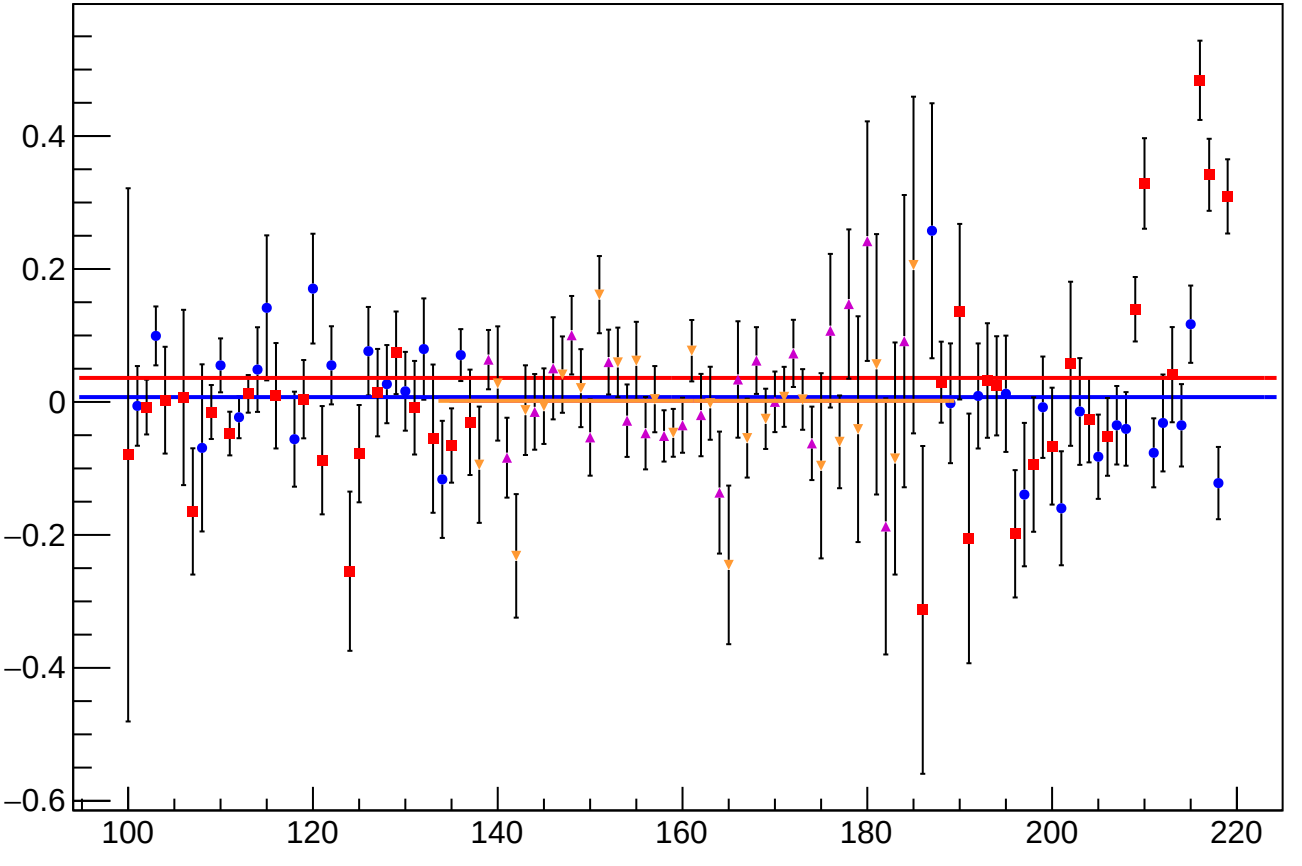
Right: 0.000+/-0.000 χ^2/NDF: 13699556.8/68

In: 0.000+/-0.000 χ^2/NDF:12429234.2/54

Out: 0.000+/-0.000 χ^2/NDF:14442849.6/61

All: 0.000+/-0.000 χ^2/NDF: 26920246.0/116

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 44.4/31

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.036+/-0.010 χ^2/NDF: 183.0/36

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

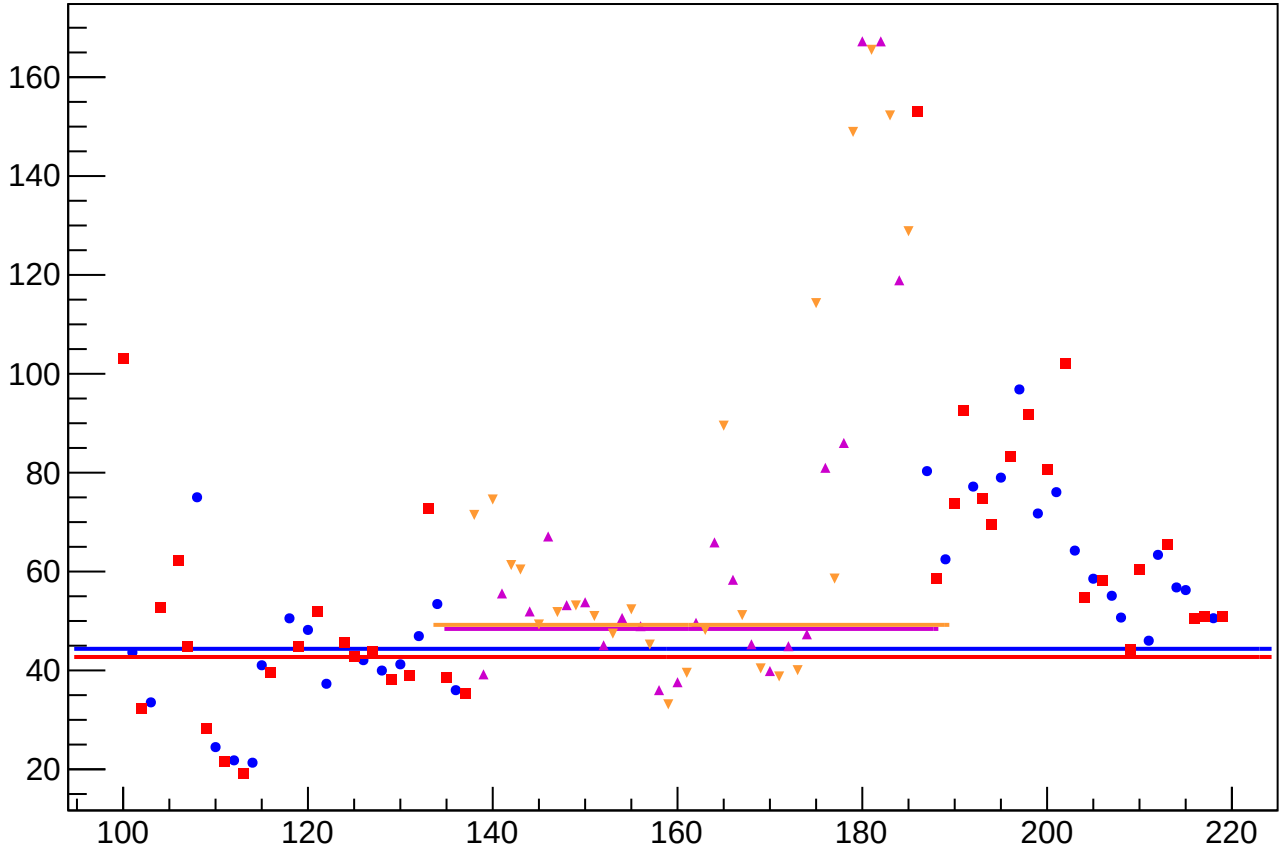
Right: 0.022+/-0.008 χ^2/NDF: 231.1/68

In: 0.005+/-0.008 χ^2/NDF:70.5/54

Out: 0.022+/-0.008 χ^2/NDF:218.0/61

All: 0.014+/-0.006 χ^2/NDF: 290.7/116

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.369+/-0.008 χ^2/NDF: 4643879.6/31

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 42.717+/-0.007 χ^2/NDF: 6605180.6/36

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

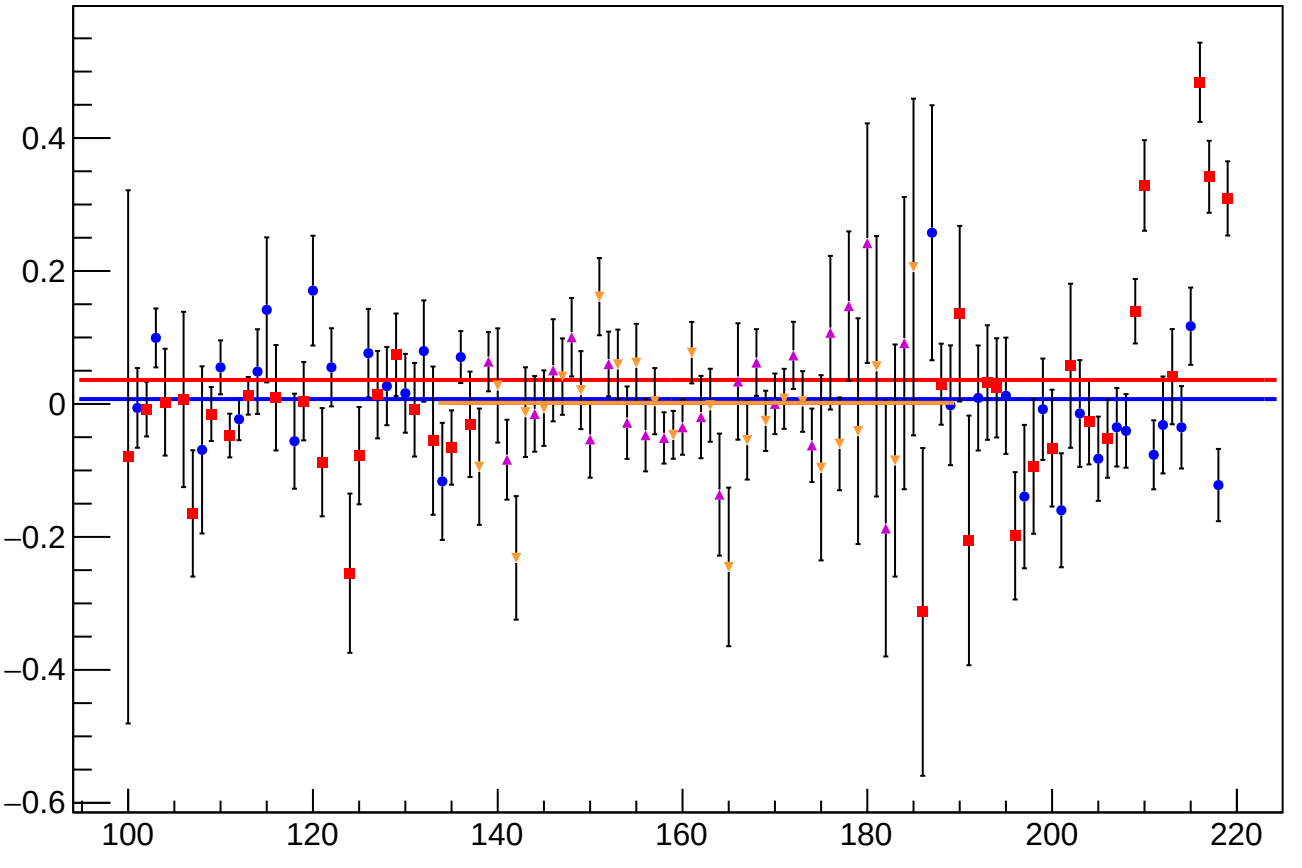
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 43.509+/-0.005 χ^2/NDF: 11273189.2/68

In: 46.119+/-0.006 χ^2/NDF:7796659.9/54

Out: 45.433+/-0.006 χ^2/NDF:11102083.4/61

All: 45.767+/-0.004 χ^2/NDF: 18906004.5/116



Right In: 0.007+/-0.011 χ^2/NDF: 44.4/31

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.036+/-0.010 χ^2/NDF: 183.0/36

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

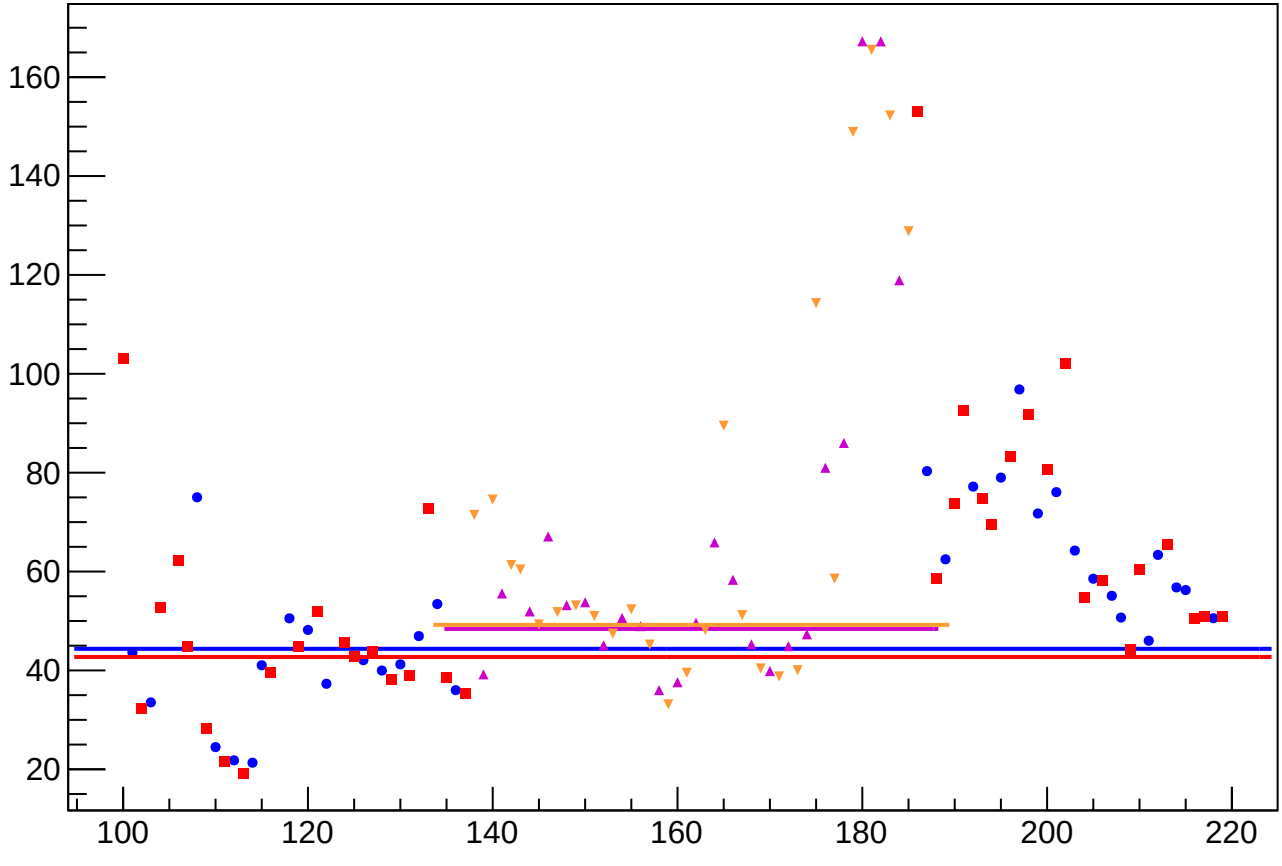
Right: 0.022+/-0.008 χ^2/NDF: 231.1/68

In: 0.005+/-0.008 χ^2/NDF:70.5/54

Out: 0.022+/-0.008 χ^2/NDF:218.0/61

All: 0.014+/-0.006 χ^2/NDF: 290.7/116

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.369+/-0.008 χ^2/NDF: 4643879.6/31

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 42.717+/-0.007 χ^2/NDF: 6605180.6/36

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

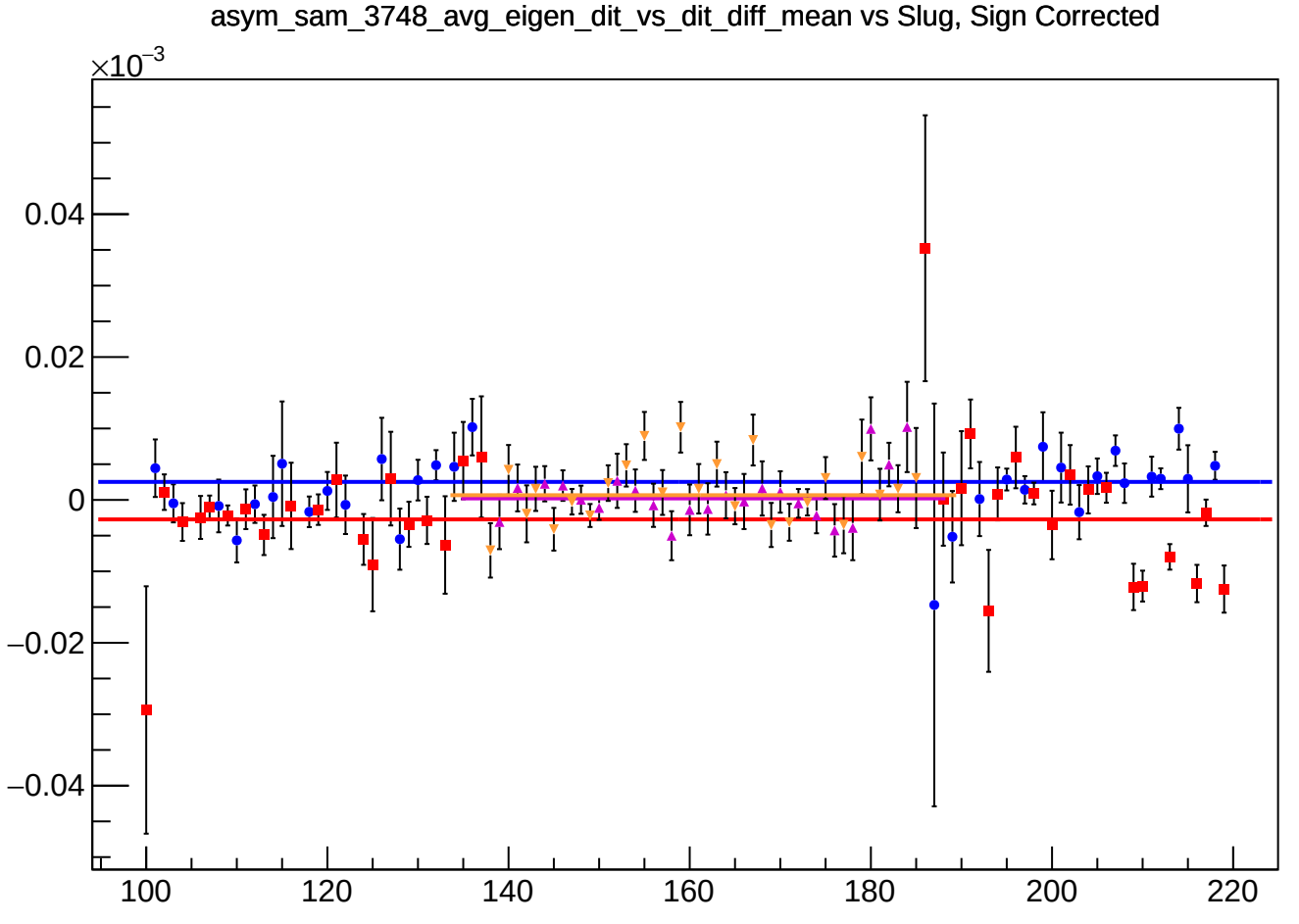
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 43.509+/-0.005 χ^2/NDF: 11273189.2/68

In: 46.119+/-0.006 χ^2/NDF:7796659.9/54

Out: 45.433+/-0.006 χ^2/NDF:11102083.4/61

All: 45.767+/-0.004 χ^2/NDF: 18906004.5/116



Right In: 0.000+/-0.000 χ^2/NDF: 41.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 103.1/36

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

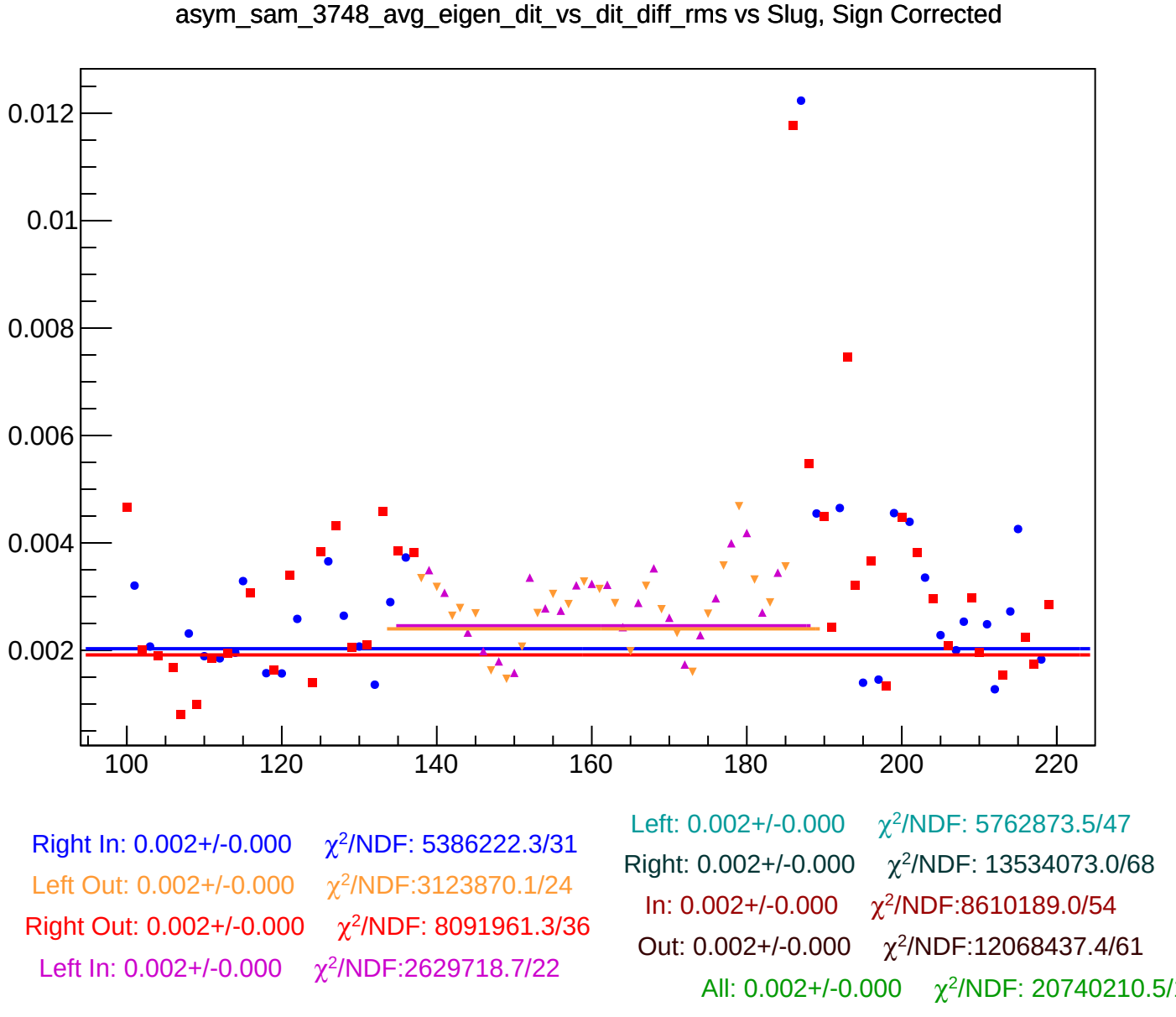
Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

Right: -0.000+/-0.000 χ^2/NDF: 202.9/68

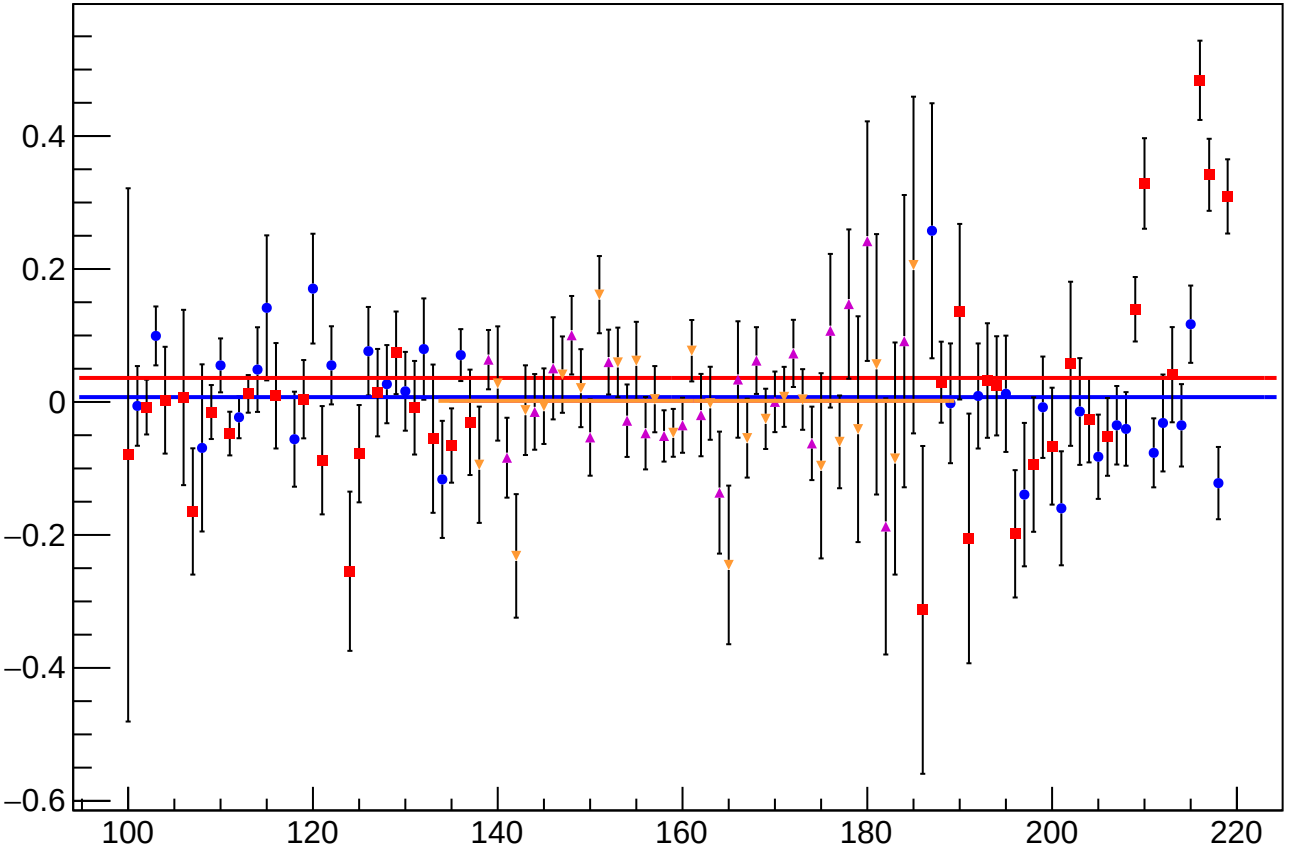
In: 0.000+/-0.000 χ^2/NDF:70.3/54

Out: -0.000+/-0.000 χ^2/NDF:165.5/61

All: 0.000+/-0.000 χ^2/NDF: 266.3/116


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: 5386222.3/31
Left Out: 0.002+/-0.000 χ²/NDF:3123870.1/24
Right Out: 0.002+/-0.000 χ²/NDF: 8091961.3/36
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: 13534073.0/68
In: 0.002+/-0.000 χ²/NDF:8610189.0/54
Out: 0.002+/-0.000 χ²/NDF:12068437.4/61
All: 0.002+/-0.000 χ²/NDF: 20740210.5/116

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 44.4/31

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.036+/-0.010 χ^2/NDF: 183.0/36

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

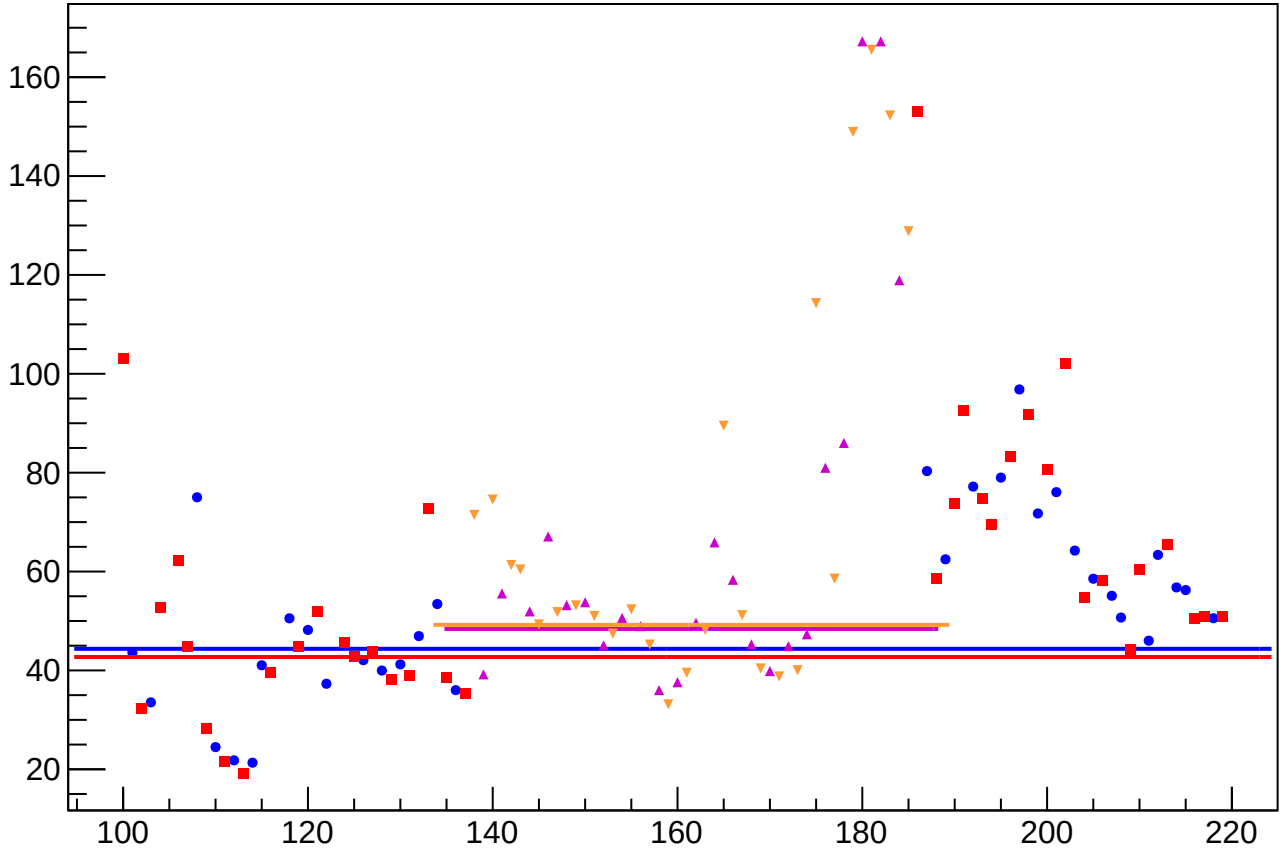
Right: 0.022+/-0.008 χ^2/NDF: 231.0/68

In: 0.005+/-0.008 χ^2/NDF:70.5/54

Out: 0.022+/-0.008 χ^2/NDF:218.0/61

All: 0.014+/-0.006 χ^2/NDF: 290.7/116

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.369+/-0.008 χ^2/NDF: 4643730.4/31

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 42.717+/-0.007 χ^2/NDF: 6605073.0/36

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

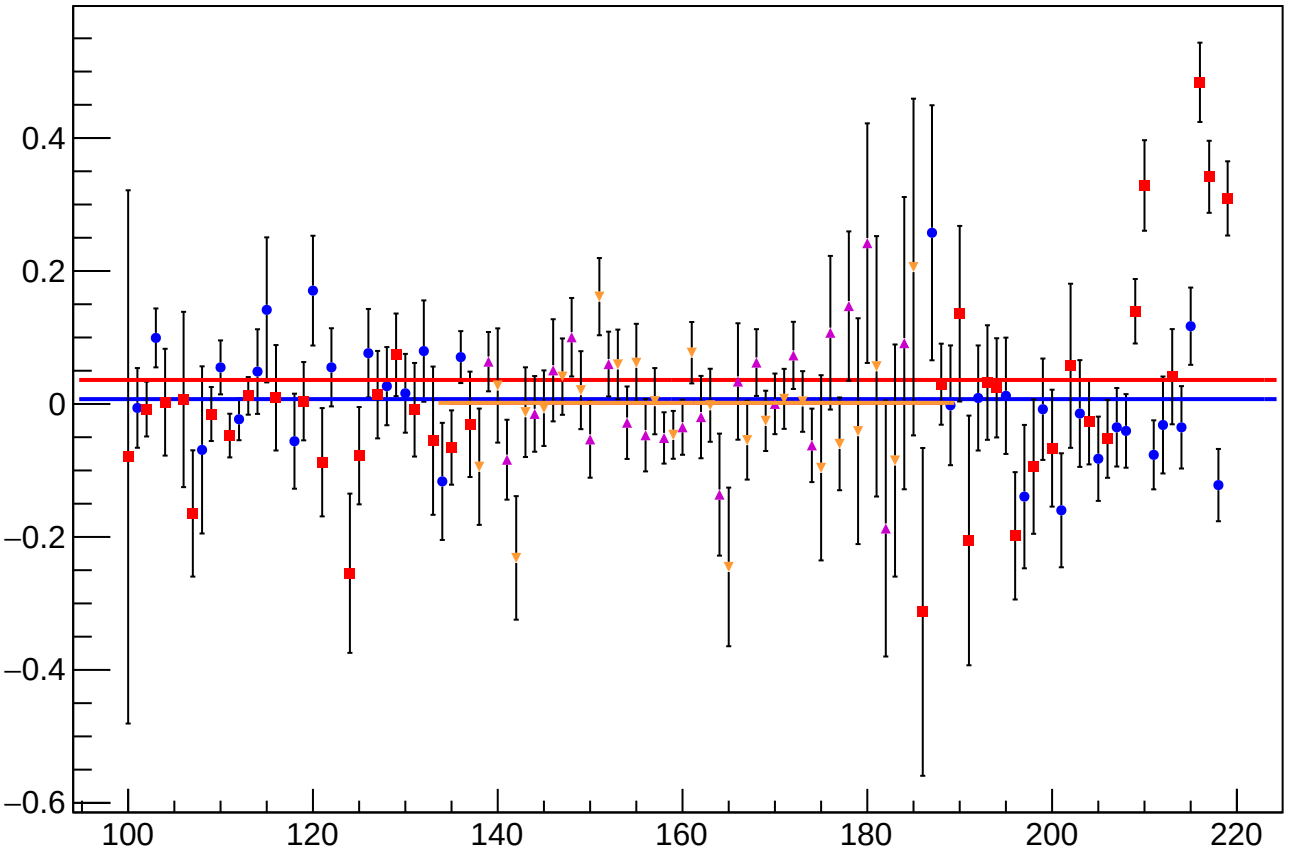
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 43.510+/-0.005 χ^2/NDF: 11272930.5/68

In: 46.119+/-0.006 χ^2/NDF:7796489.3/54

Out: 45.433+/-0.006 χ^2/NDF:11101959.5/61

All: 45.767+/-0.004 χ^2/NDF: 18905709.0/116



Right In: 0.007+/-0.011 χ^2/NDF: 44.4/31

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.036+/-0.010 χ^2/NDF: 183.0/36

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

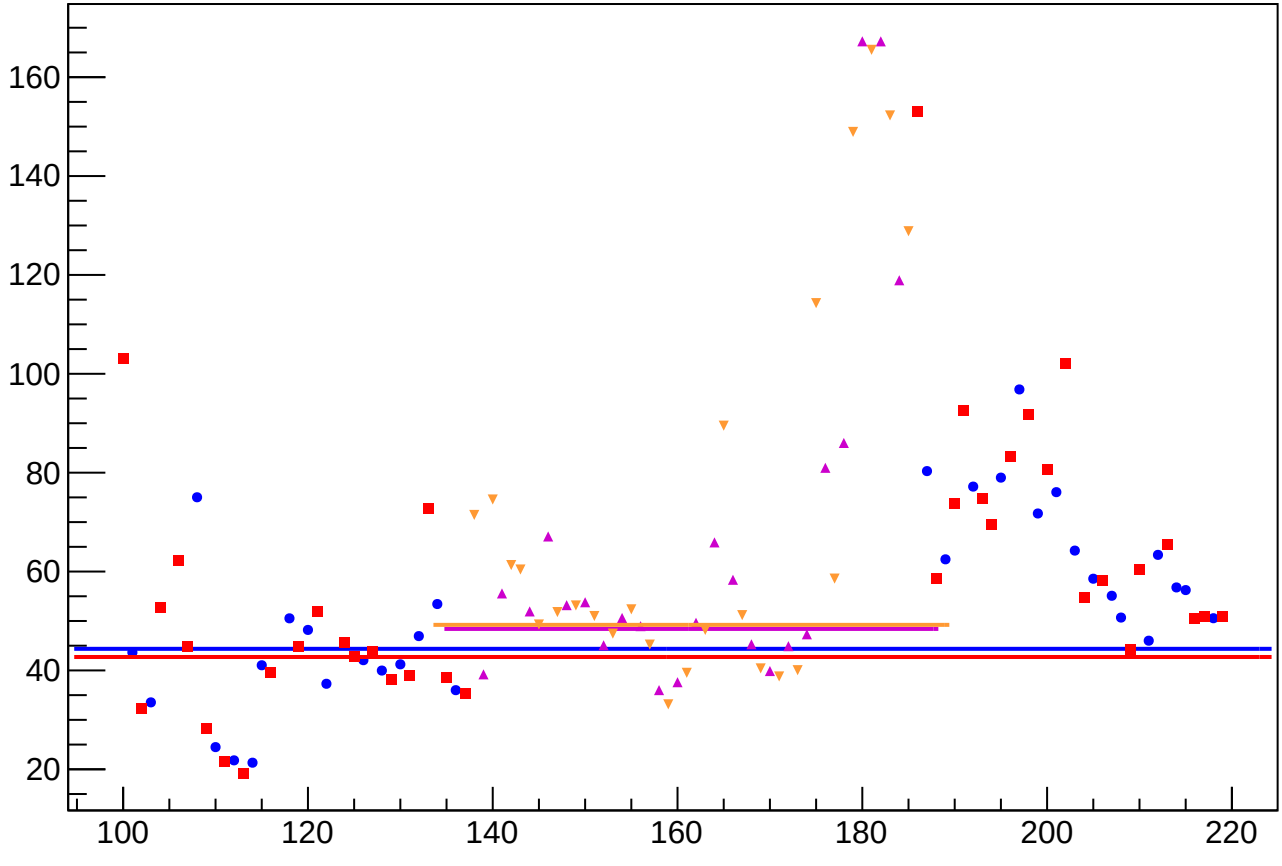
Right: 0.022+/-0.008 χ^2/NDF: 231.0/68

In: 0.005+/-0.008 χ^2/NDF:70.5/54

Out: 0.022+/-0.008 χ^2/NDF:218.0/61

All: 0.014+/-0.006 χ^2/NDF: 290.7/116

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.369+/-0.008 χ^2/NDF: 4643730.4/31

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 42.717+/-0.007 χ^2/NDF: 6605073.0/36

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

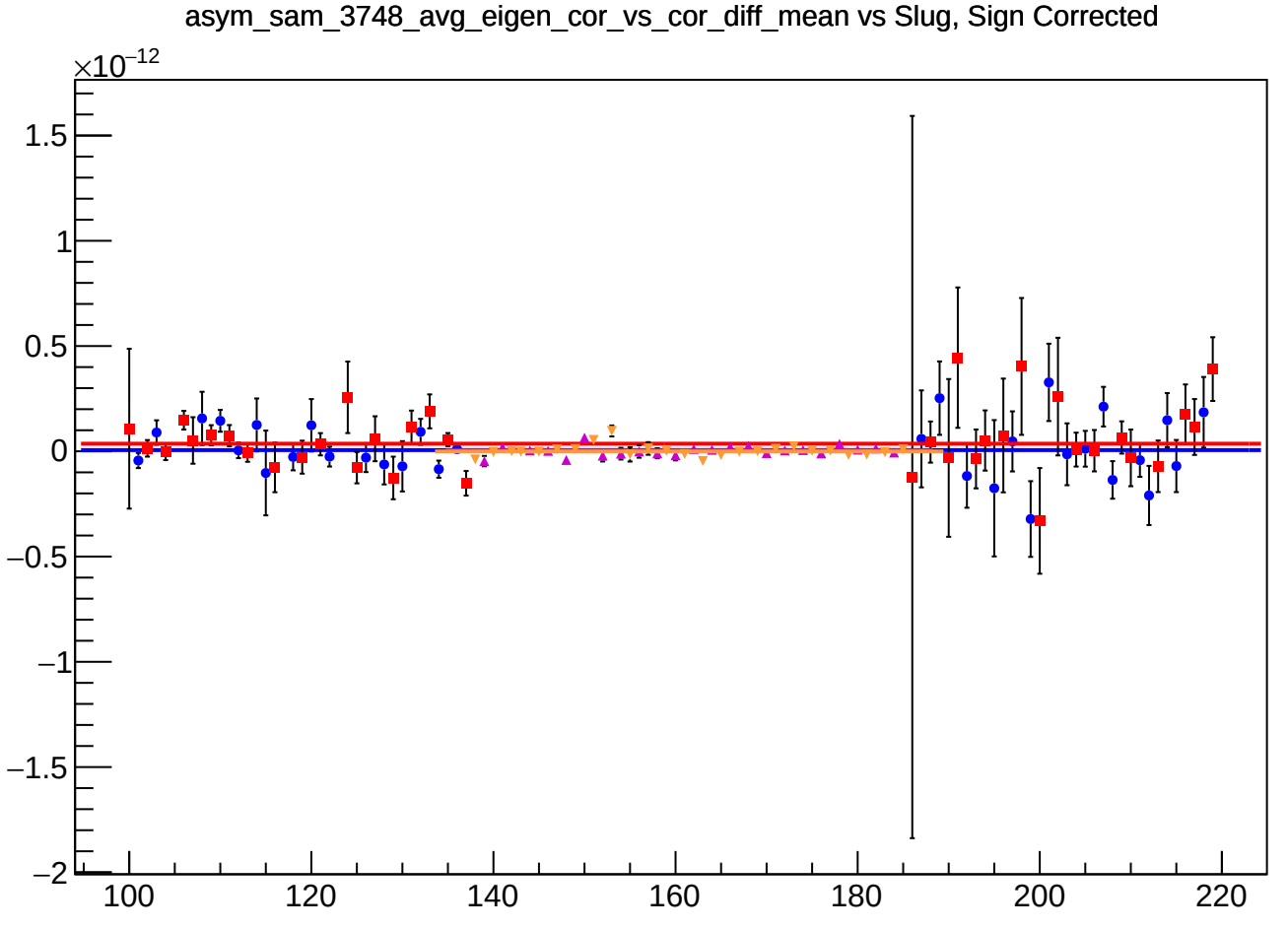
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 43.510+/-0.005 χ^2/NDF: 11272930.5/68

In: 46.119+/-0.006 χ^2/NDF:7796489.3/54

Out: 45.433+/-0.006 χ^2/NDF:11101959.5/61

All: 45.767+/-0.004 χ^2/NDF: 18905709.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 45.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 47.7/36

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

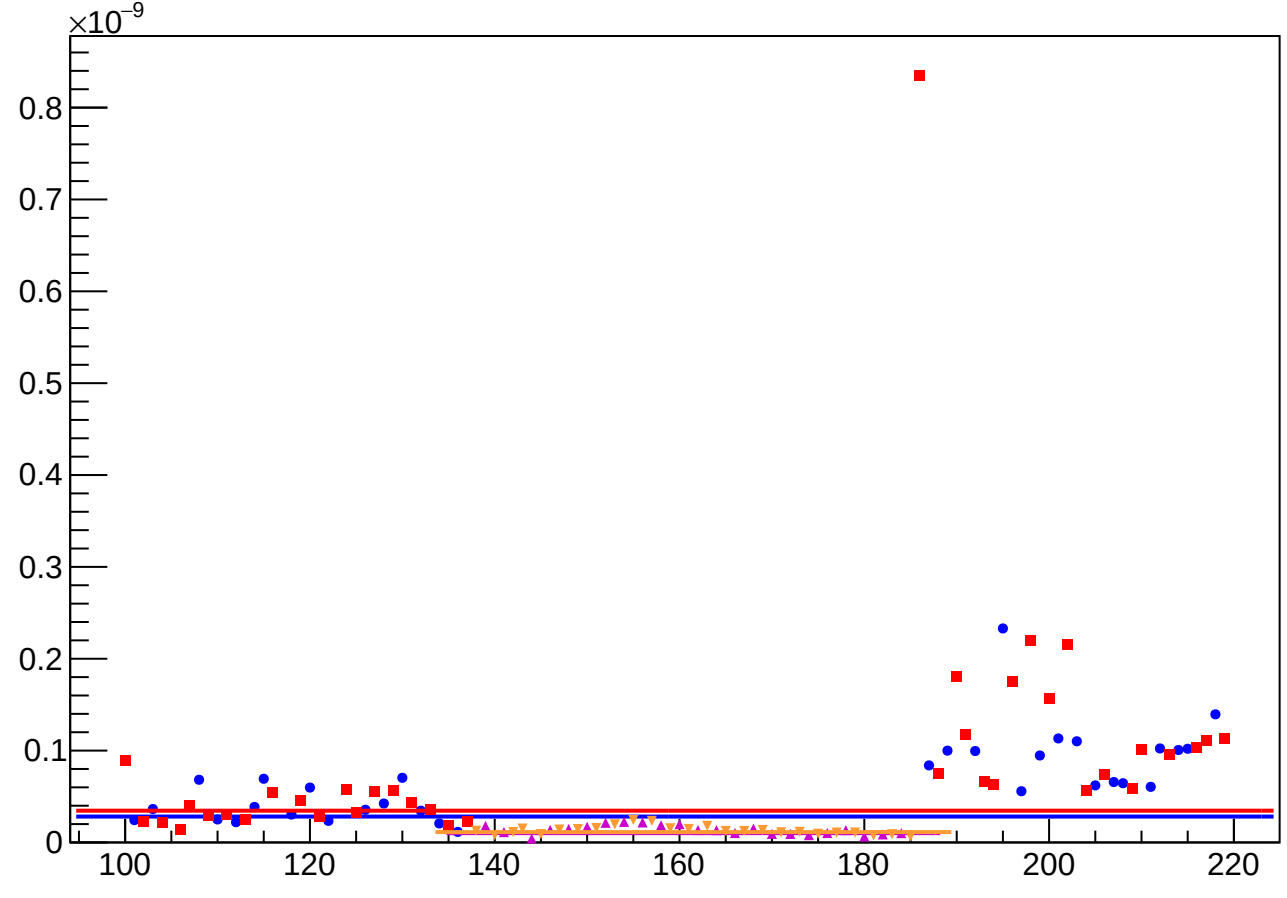
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: 0.000+/-0.000 χ^2/NDF: 97.1/68

In: 0.000+/-0.000 χ^2/NDF:74.3/54

Out: 0.000+/-0.000 χ^2/NDF:93.2/61

All: 0.000+/-0.000 χ^2/NDF: 168.2/116



Right In: 0.000+/-0.000 χ^2/NDF: 10024087.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9231722.2/36

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

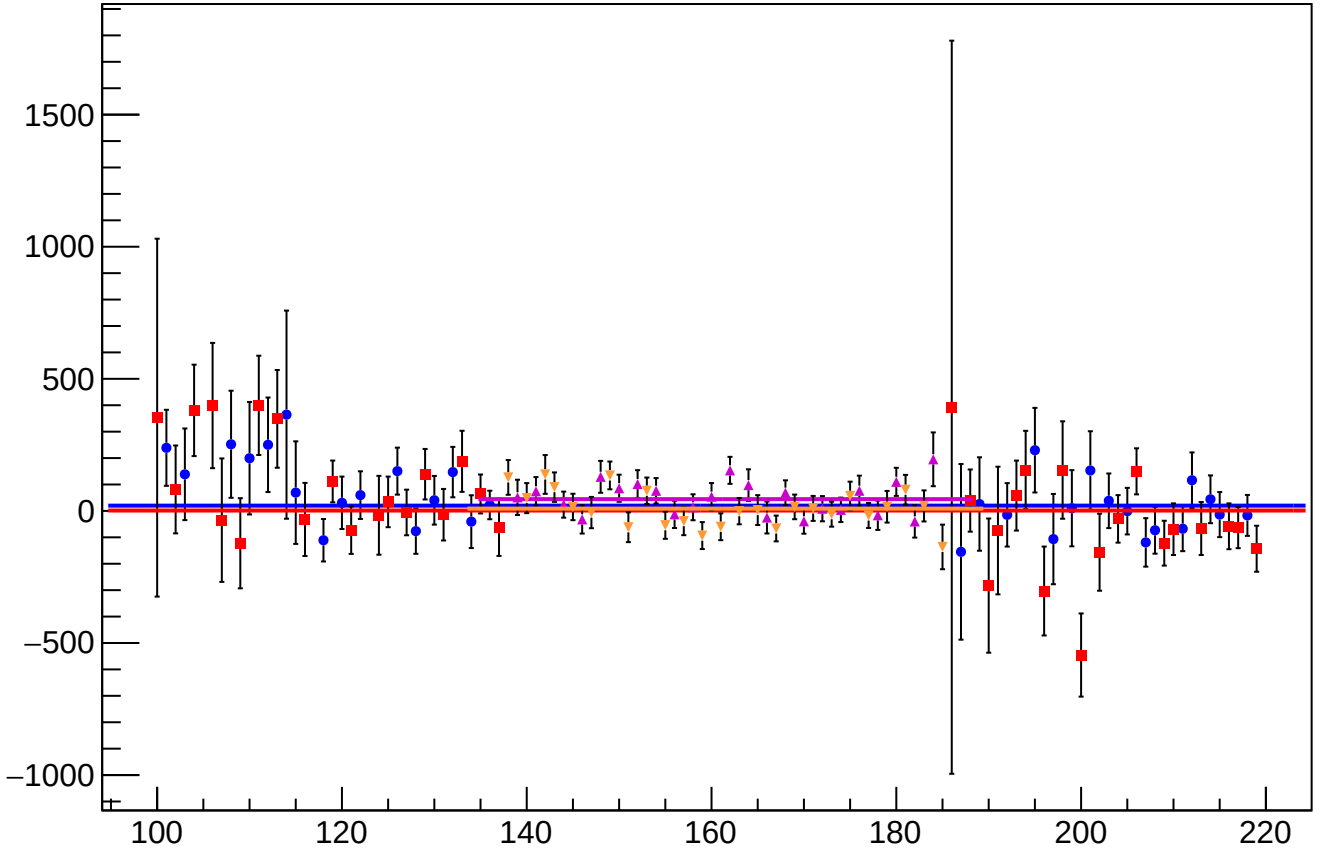
Right: 0.000+/-0.000 χ^2/NDF: 19569286.5/68

In: 0.000+/-0.000 χ^2/NDF:19244181.1/54

Out: 0.000+/-0.000 χ^2/NDF:18359216.6/61

All: 0.000+/-0.000 χ^2/NDF: 37775212.2/116

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 19.968+/-18.554 χ^2/NDF: 25.0/31

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 1.447+/-18.998 χ^2/NDF: 55.3/36

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

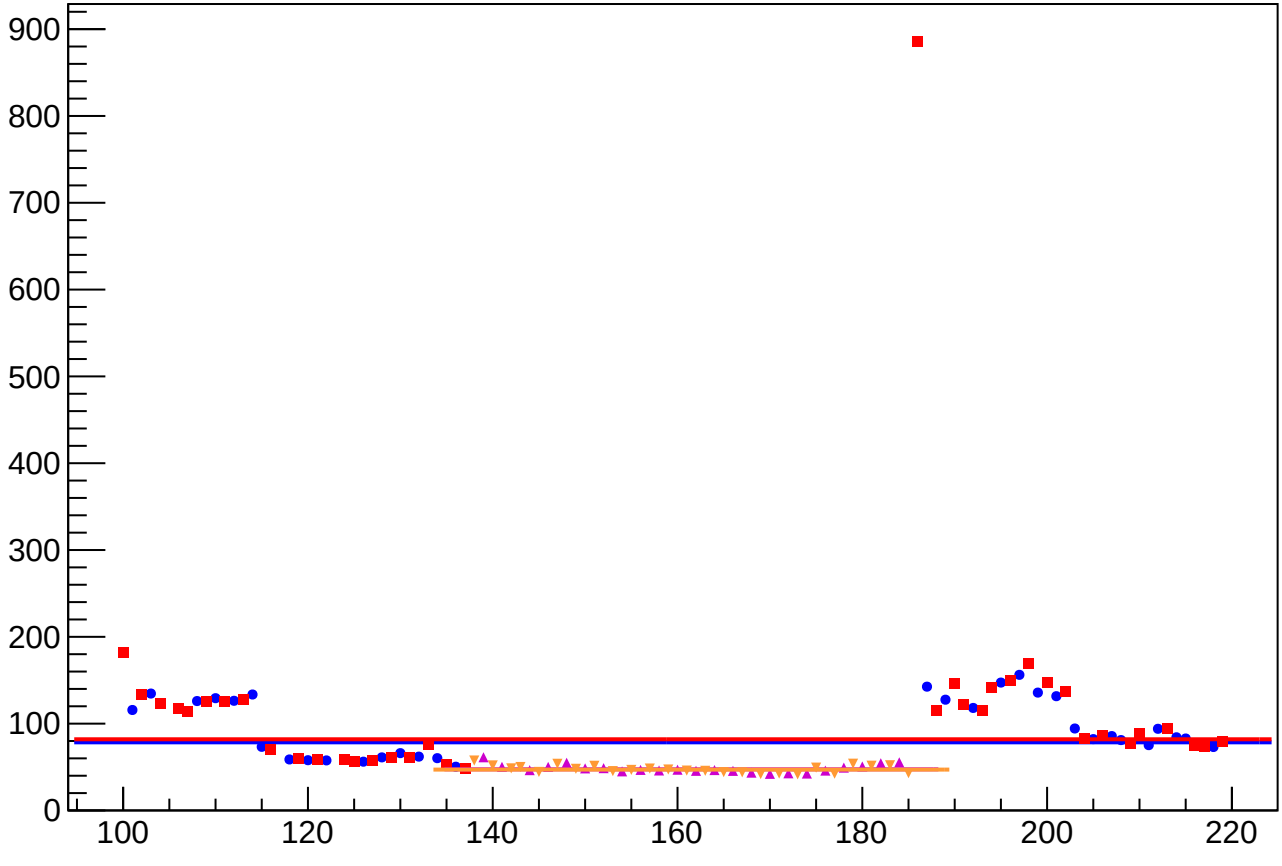
Right: 10.926+/-13.274 χ^2/NDF: 80.8/68

In: 38.023+/-9.556 χ^2/NDF:53.3/54

Out: 6.978+/-9.369 χ^2/NDF:90.0/61

All: 22.193+/-6.690 χ^2/NDF: 148.7/116

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 78.471+/-0.013 χ^2/NDF: 3912919.3/31

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 81.989+/-0.013 χ^2/NDF: 5072428.3/36

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

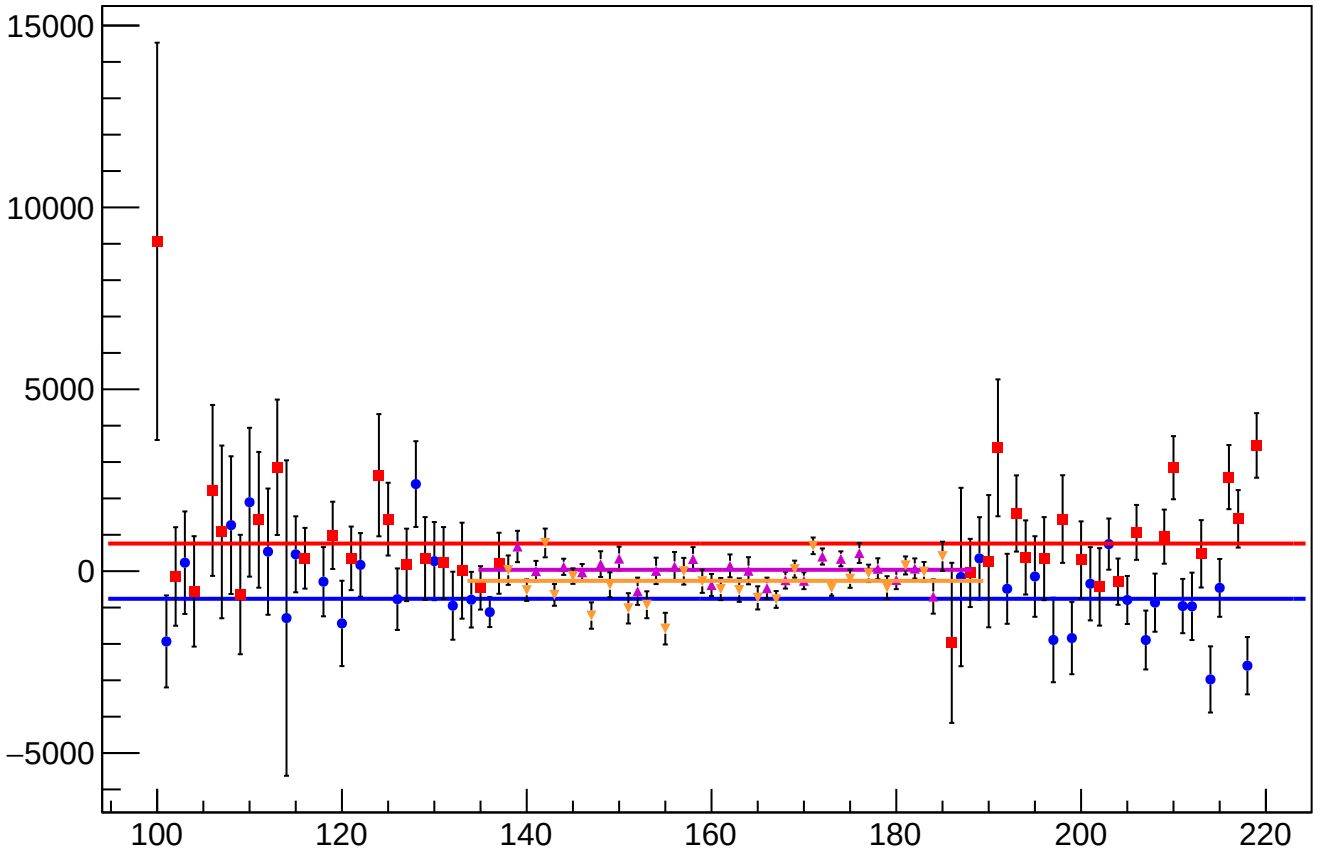
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 80.189+/-0.009 χ^2/NDF: 9020447.4/68

In: 55.630+/-0.007 χ^2/NDF:8309195.6/54

Out: 55.558+/-0.007 χ^2/NDF:10475397.8/61

All: 55.593+/-0.005 χ^2/NDF: 18784651.6/116



Right In: -759.192+/-161.880 χ^2/NDF: 38.7/31

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 759.249+/-169.195 χ^2/NDF: 44.0/36

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

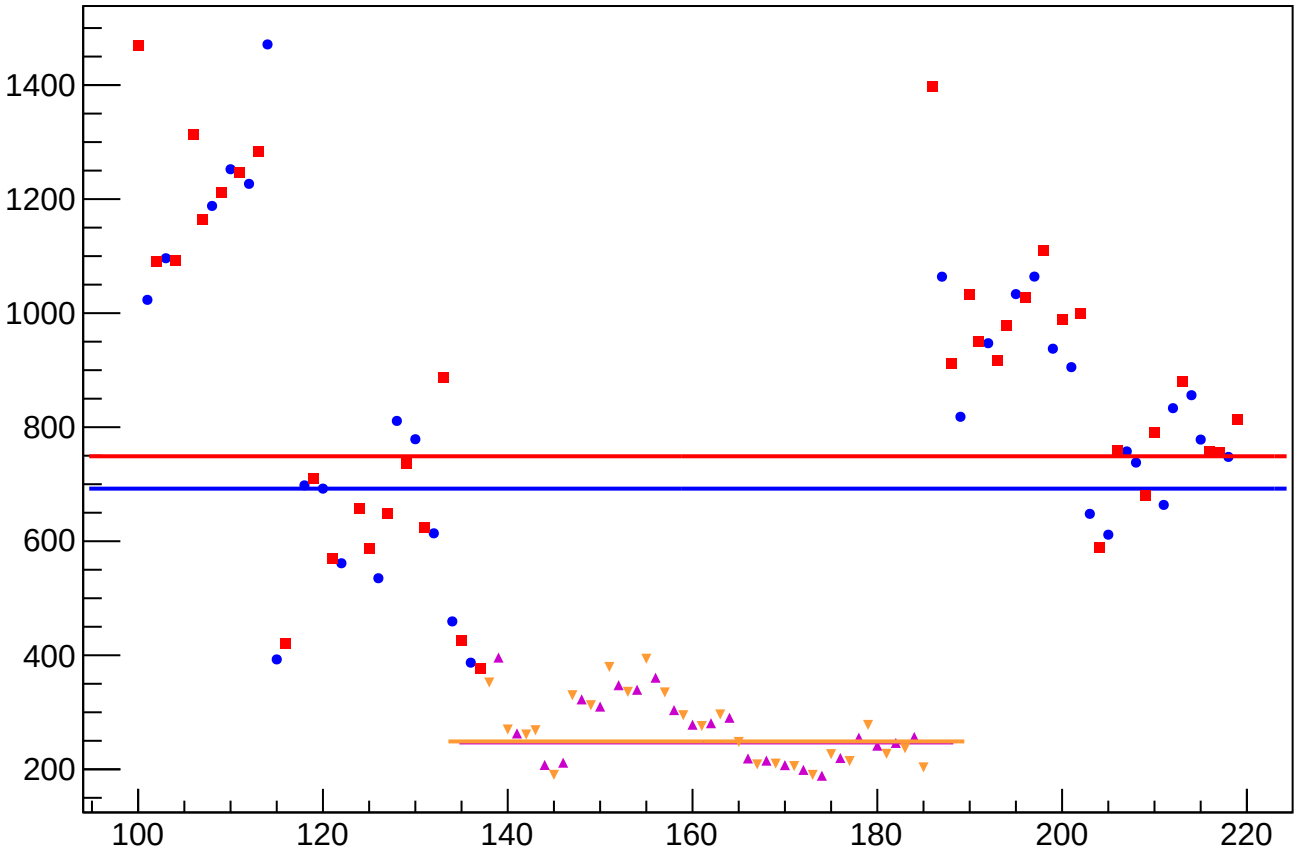
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -33.507+/-116.967 χ^2/NDF: 124.7/68

In: -56.341+/-55.565 χ^2/NDF:86.7/54

Out: -157.803+/-54.892 χ^2/NDF:146.6/61

All: -107.690+/-39.050 χ^2/NDF: 234.9/116



Right In: 692.244+/-0.114 χ^2/NDF: 3472548.6/31

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 748.997+/-0.120 χ^2/NDF: 3588043.1/36

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

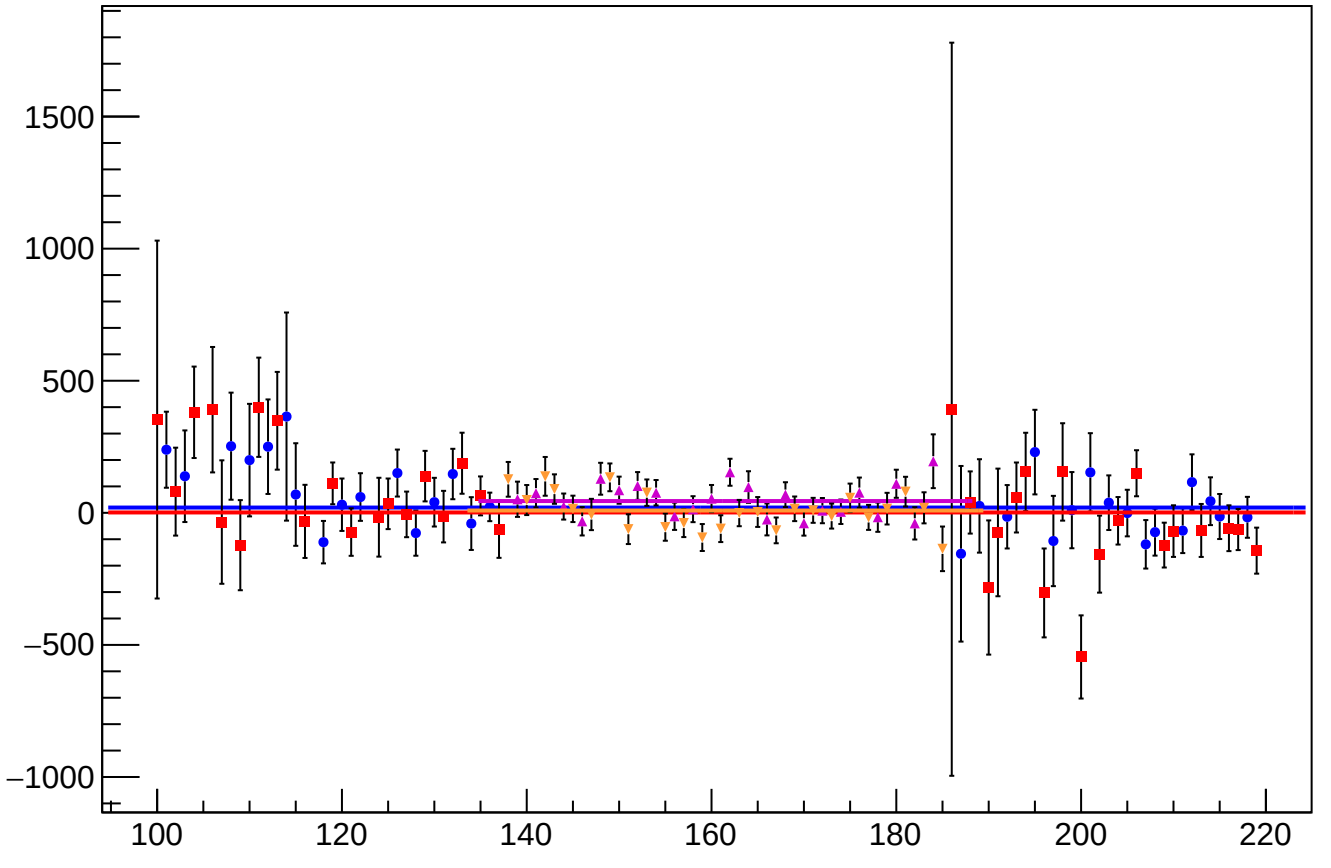
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 719.367+/-0.083 χ^2/NDF: 7178077.0/68

In: 299.555+/-0.039 χ^2/NDF:18297907.1/54

Out: 301.530+/-0.039 χ^2/NDF:20886056.2/61

All: 300.555+/-0.028 χ^2/NDF: 39185242.1/11



Right In: 19.962+/-18.554 χ^2/NDF: 25.0/31

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 1.372+/-18.998 χ^2/NDF: 55.2/36

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

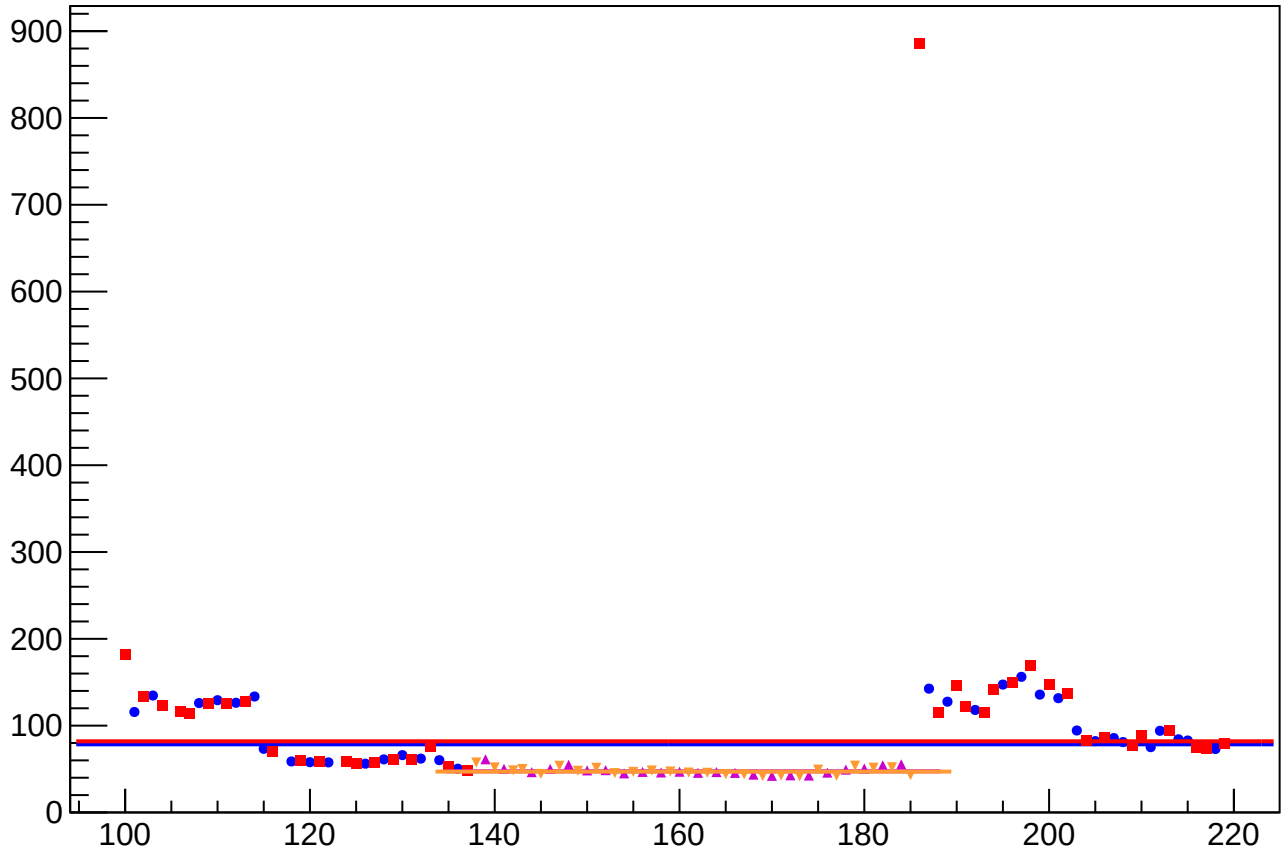
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 10.887+/-13.274 χ^2/NDF: 80.7/68

In: 38.020+/-9.556 χ^2/NDF:53.3/54

Out: 6.961+/-9.369 χ^2/NDF:89.9/61

All: 22.184+/-6.690 χ^2/NDF: 148.6/116



Right In: 78.471+/-0.013 χ^2/NDF: 3912921.6/31

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 81.982+/-0.013 χ^2/NDF: 5070121.1/36

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

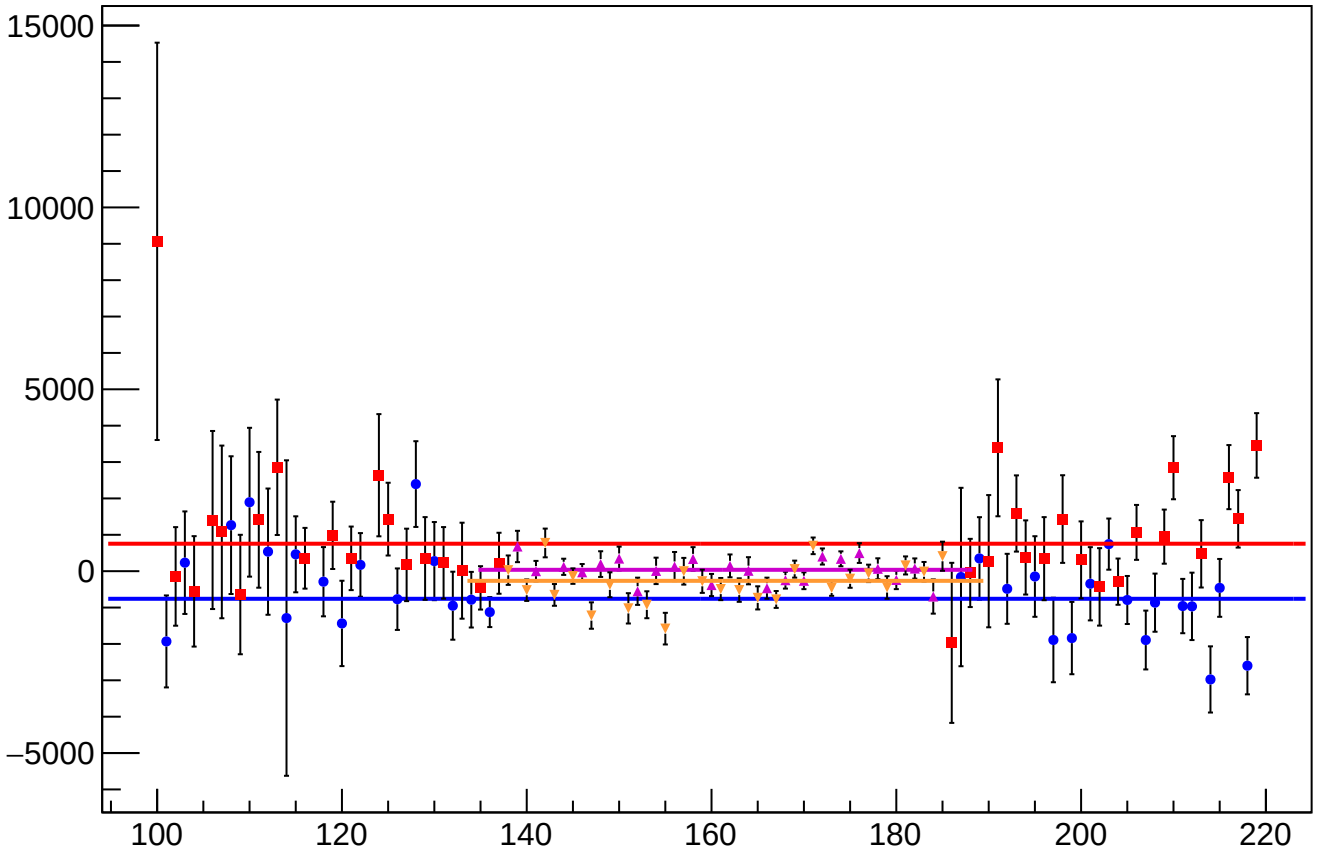
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 80.185+/-0.009 χ^2/NDF: 9018006.3/68

In: 55.630+/-0.007 χ^2/NDF:8309197.7/54

Out: 55.556+/-0.007 χ^2/NDF:10470984.3/61

All: 55.592+/-0.005 χ^2/NDF: 18780243.1/116



Right In: -759.186+/-161.880 χ^2/NDF: 38.7/31

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 754.821+/-169.231 χ^2/NDF: 43.6/36

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

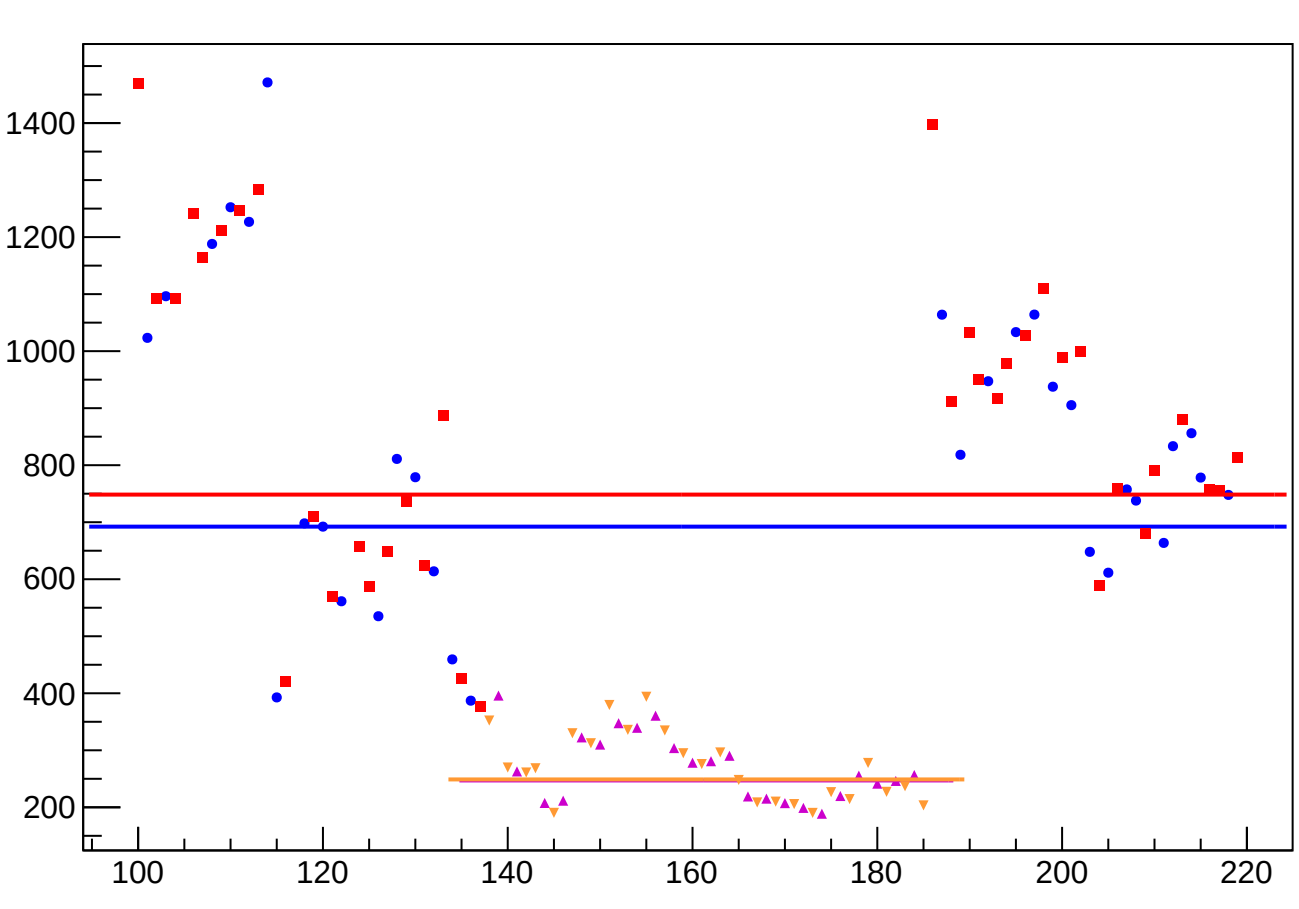
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -35.781+/-116.979 χ^2/NDF: 124.1/68

In: -56.342+/-55.565 χ^2/NDF:86.7/54

Out: -158.308+/-54.893 χ^2/NDF:146.0/61

All: -107.945+/-39.051 χ^2/NDF: 234.3/116



Right In: 692.244+/-0.114 χ^2/NDF: 3472588.6/31

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 748.428+/-0.120 χ^2/NDF: 3553984.8/36

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

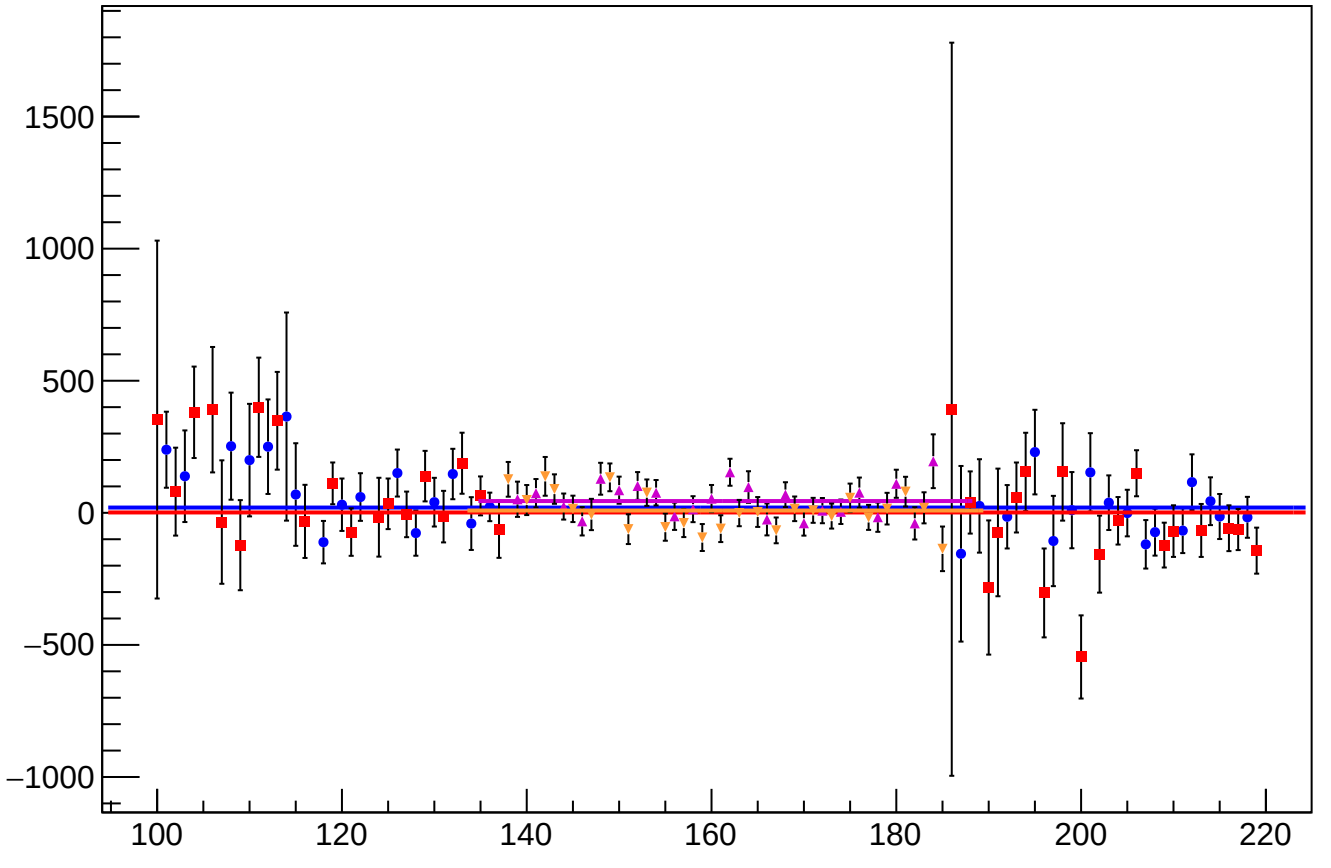
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 719.089+/-0.083 χ^2/NDF: 7141687.3/68

In: 299.555+/-0.039 χ^2/NDF:18297919.0/54

Out: 301.450+/-0.039 χ^2/NDF:20810439.2/61

All: 300.514+/-0.028 χ^2/NDF: 39109534.9/11



Right In: 19.962+/-18.554 χ^2/NDF: 25.0/31

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 1.372+/-18.998 χ^2/NDF: 55.2/36

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

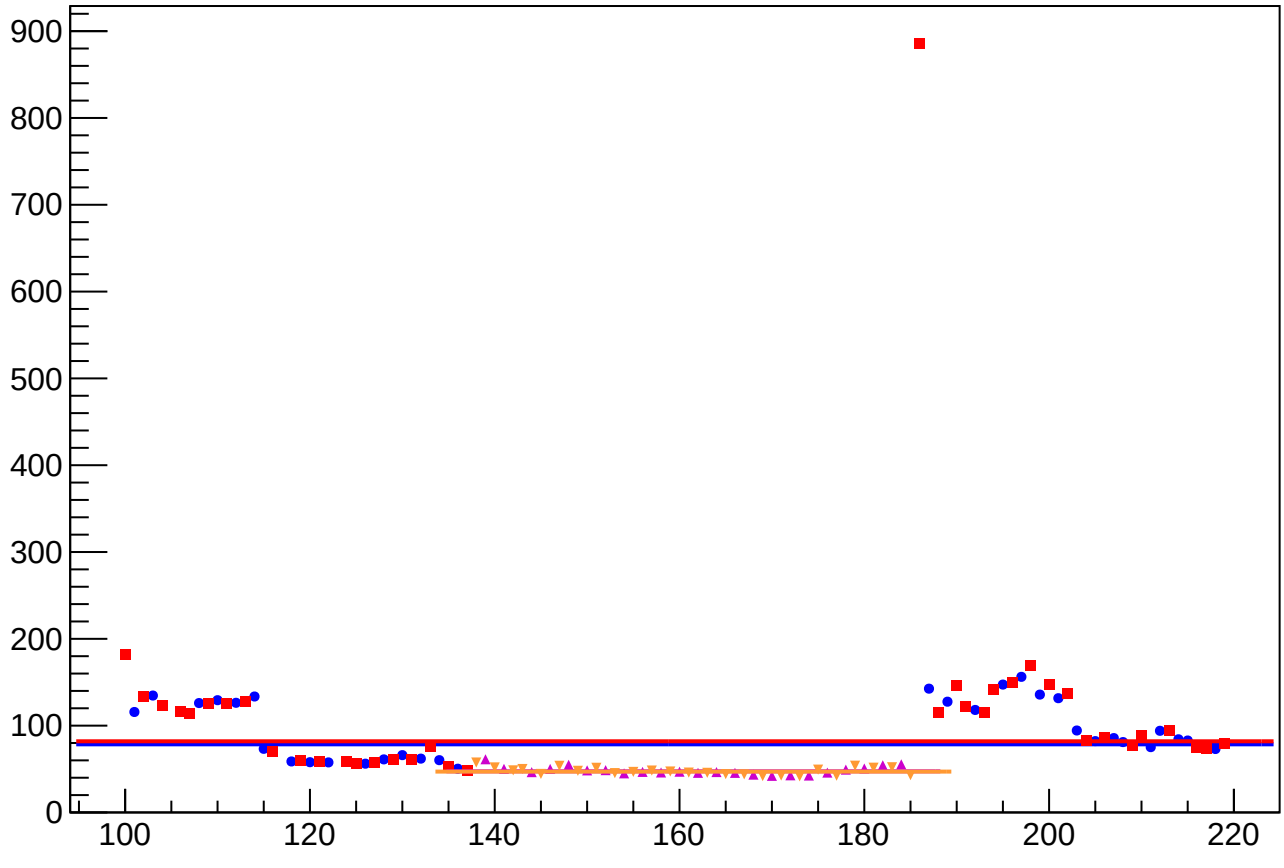
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 10.887+/-13.274 χ^2/NDF: 80.7/68

In: 38.020+/-9.556 χ^2/NDF:53.3/54

Out: 6.961+/-9.369 χ^2/NDF:89.9/61

All: 22.184+/-6.690 χ^2/NDF: 148.6/116



Right In: 78.471+/-0.013 χ^2/NDF: 3912921.6/31

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 81.982+/-0.013 χ^2/NDF: 5070121.1/36

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

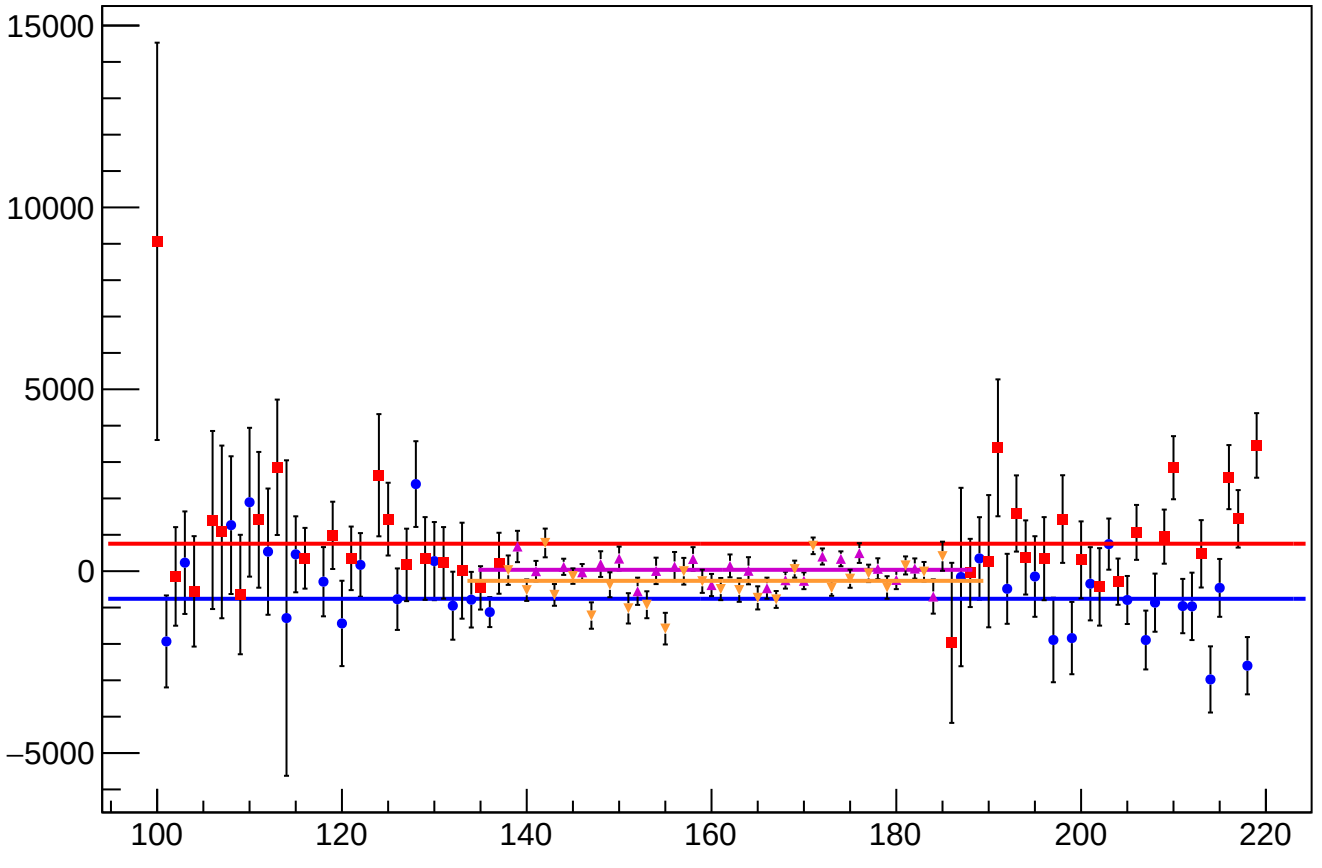
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 80.185+/-0.009 χ^2/NDF: 9018006.3/68

In: 55.630+/-0.007 χ^2/NDF:8309197.7/54

Out: 55.556+/-0.007 χ^2/NDF:10470984.3/61

All: 55.592+/-0.005 χ^2/NDF: 18780243.1/116



Right In: -759.186+/-161.880 χ^2/NDF: 38.7/31

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 754.821+/-169.231 χ^2/NDF: 43.6/36

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

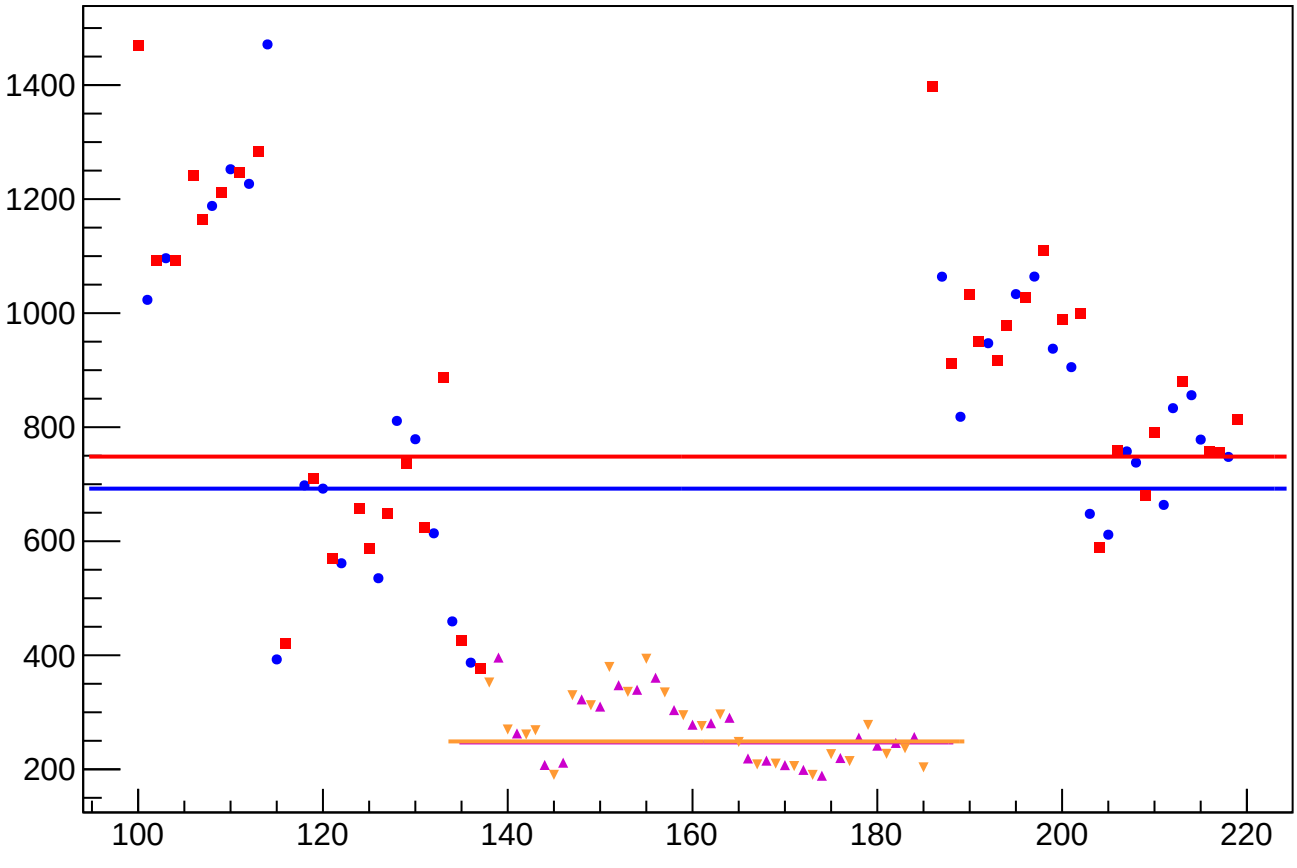
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -35.781+/-116.979 χ^2/NDF: 124.1/68

In: -56.342+/-55.565 χ^2/NDF:86.7/54

Out: -158.308+/-54.893 χ^2/NDF:146.0/61

All: -107.945+/-39.051 χ^2/NDF: 234.3/116



Right In: 692.244+/-0.114 χ^2/NDF: 3472588.6/31

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 748.428+/-0.120 χ^2/NDF: 3553984.8/36

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

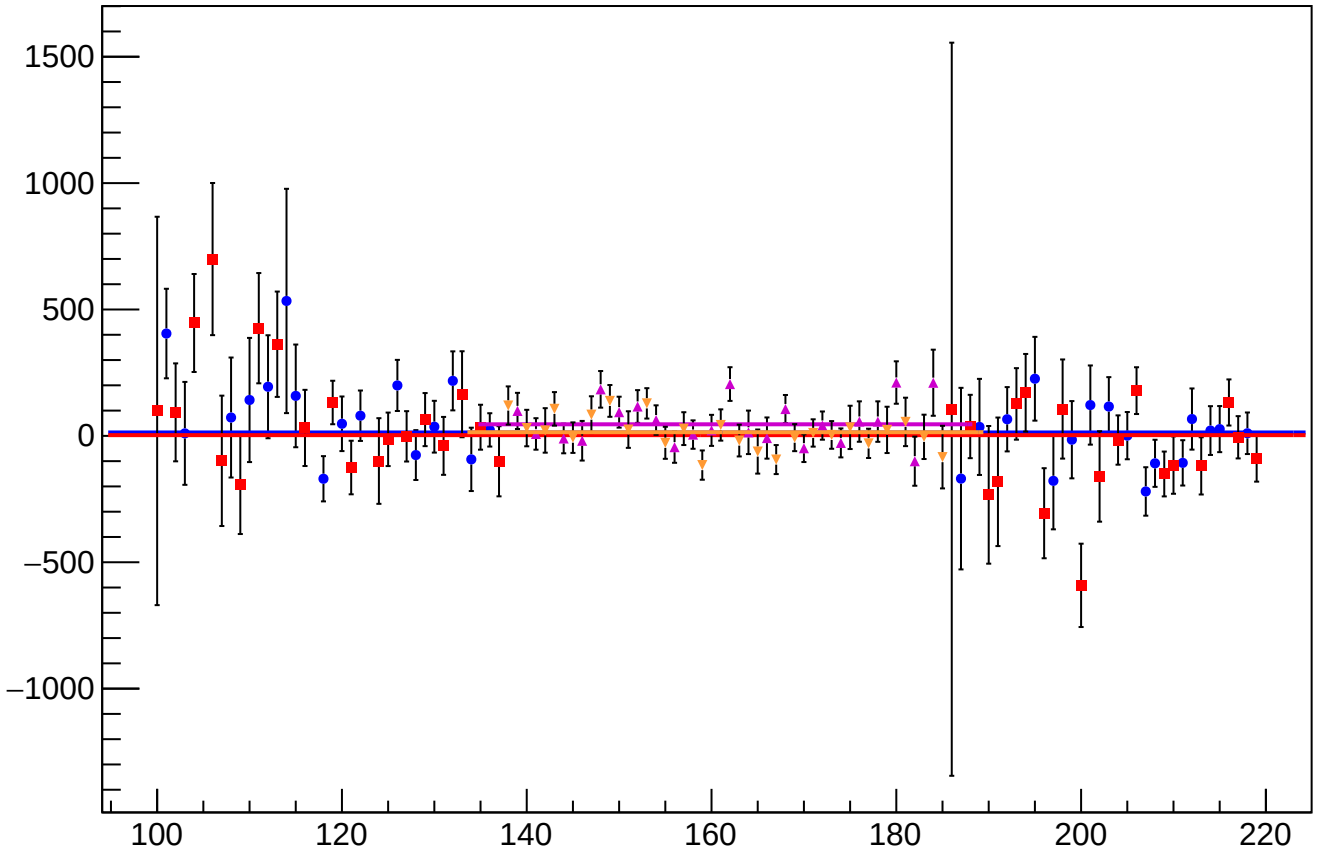
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 719.089+/-0.083 χ^2/NDF: 7141687.3/68

In: 299.555+/-0.039 χ^2/NDF:18297919.0/54

Out: 301.450+/-0.039 χ^2/NDF:20810439.2/61

All: 300.514+/-0.028 χ^2/NDF: 39109534.9/11



Right In: 13.469+/-20.659 χ^2/NDF: 34.7/31

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 2.903+/-21.213 χ^2/NDF: 57.3/36

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

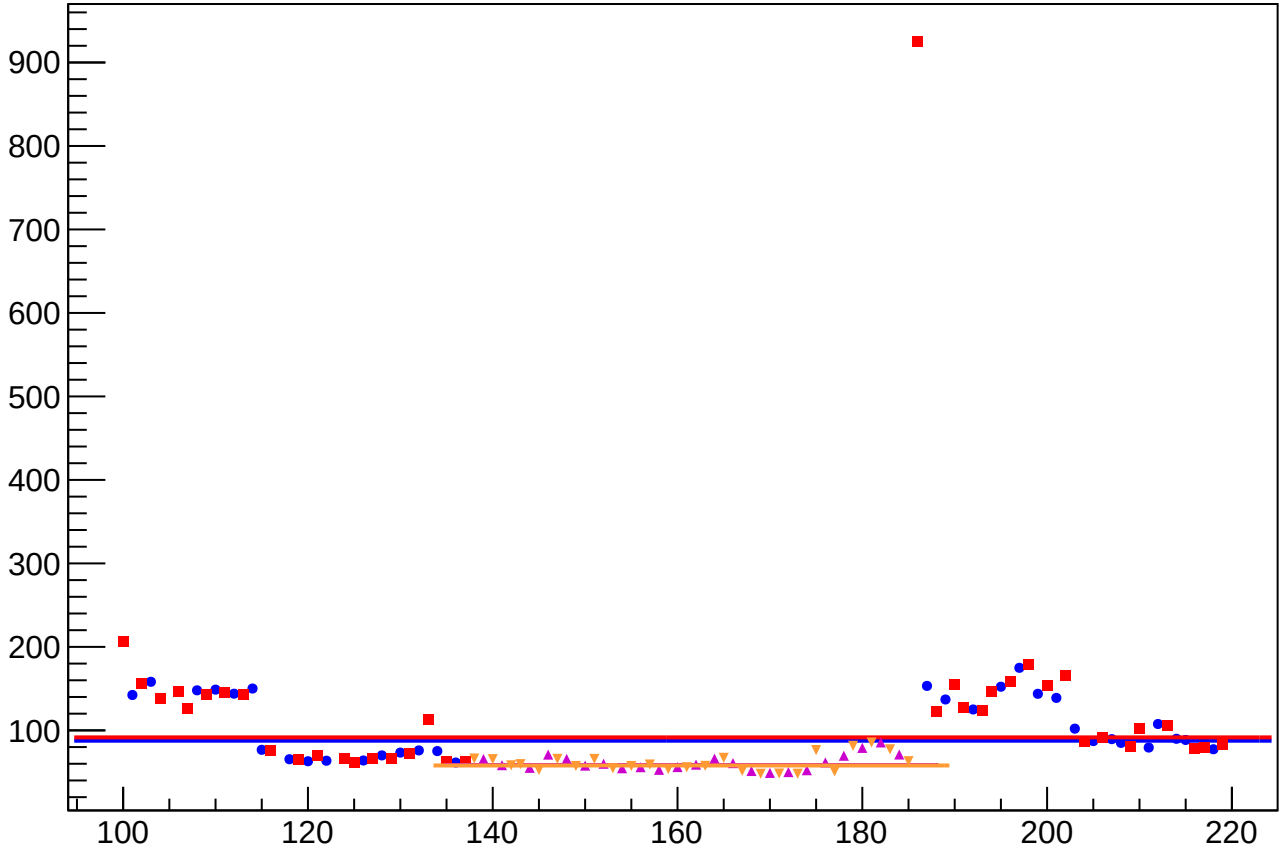
Right: 8.326+/-14.800 χ^2/NDF: 92.2/68

In: 35.698+/-11.550 χ^2/NDF:67.2/54

Out: 11.172+/-11.362 χ^2/NDF:82.0/61

All: 23.233+/-8.100 χ^2/NDF: 151.5/116

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 87.627+/-0.015 χ^2/NDF: 3506524.6/31

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 91.596+/-0.015 χ^2/NDF: 4757846.4/36

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

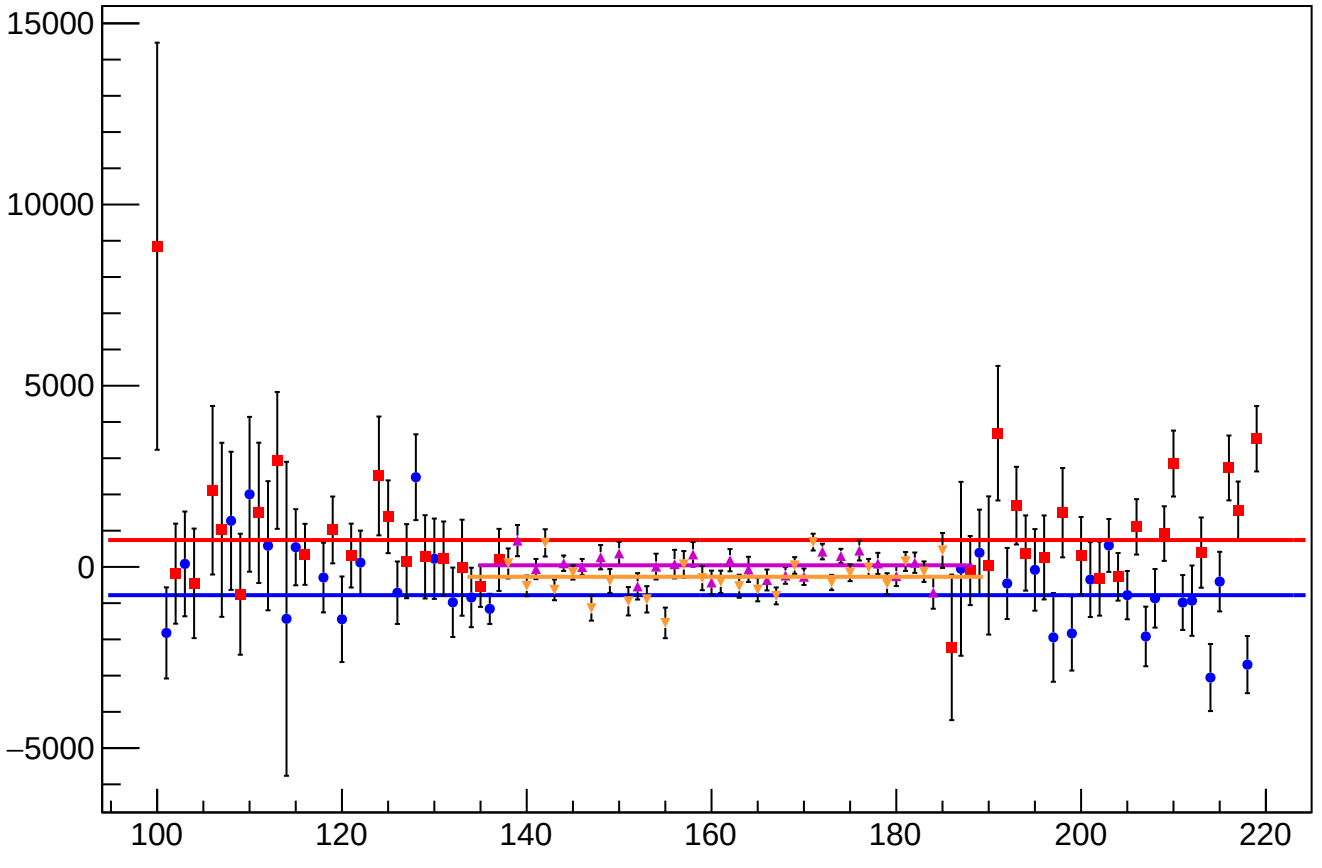
Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

Right: 89.559+/-0.010 χ^2/NDF: 8300296.1/68

In: 67.591+/-0.008 χ^2/NDF:6893329.2/54

Out: 67.613+/-0.008 χ^2/NDF:9239584.1/61

All: 67.602+/-0.006 χ^2/NDF: 16132917.1/116



Right In: -779.779+/-165.235 χ^2/NDF: 38.4/31

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 741.427+/-171.008 χ^2/NDF: 46.4/36

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

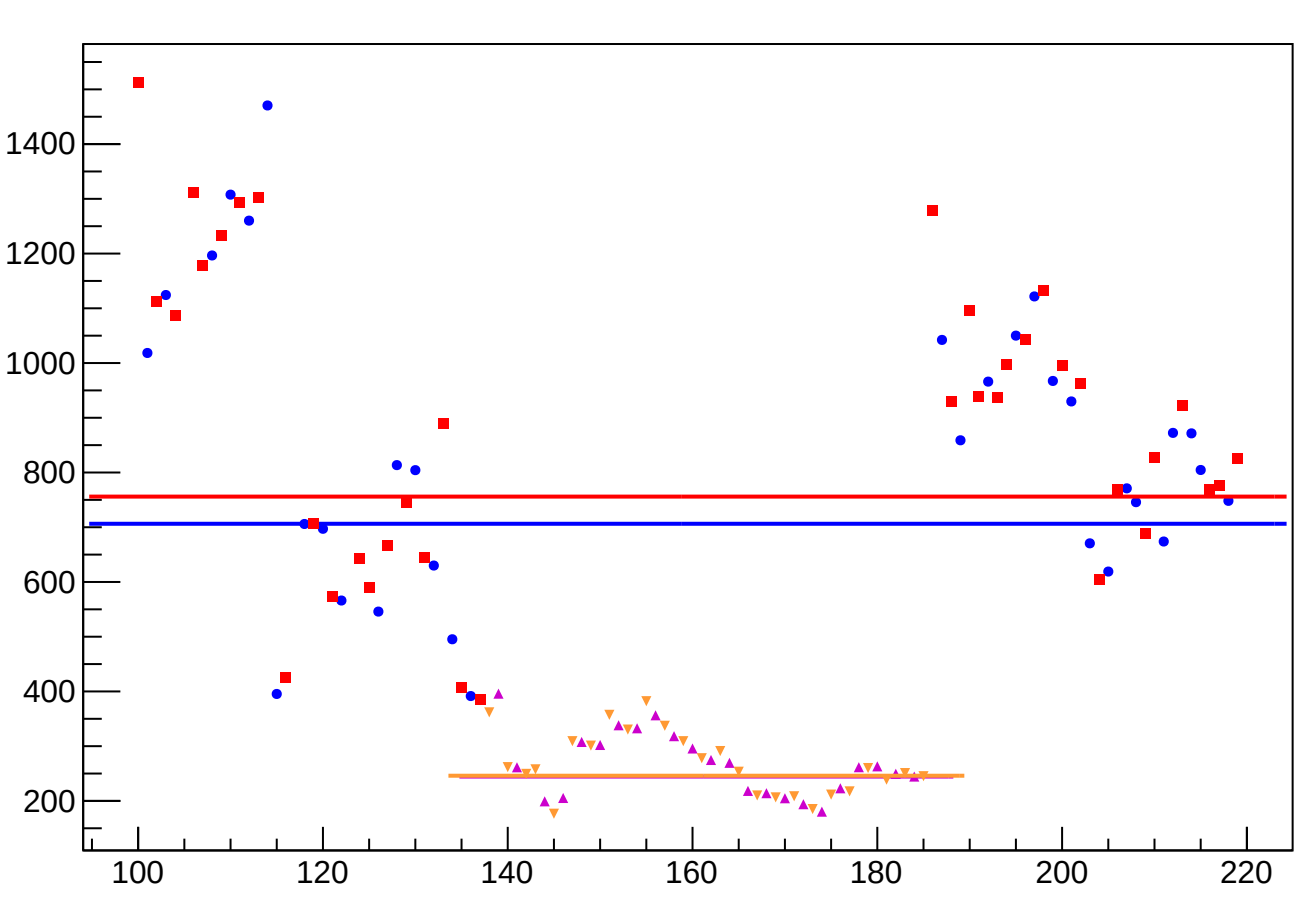
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -45.287+/-118.827 χ^2/NDF: 125.7/68

In: -47.583+/-55.242 χ^2/NDF:87.0/54

Out: -170.249+/-54.309 χ^2/NDF:143.8/61

All: -109.960+/-38.728 χ^2/NDF: 233.3/116



Right In: 706.336+/-0.117 χ^2/NDF: 3518585.1/31

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 755.980+/-0.121 χ^2/NDF: 3722352.2/36

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

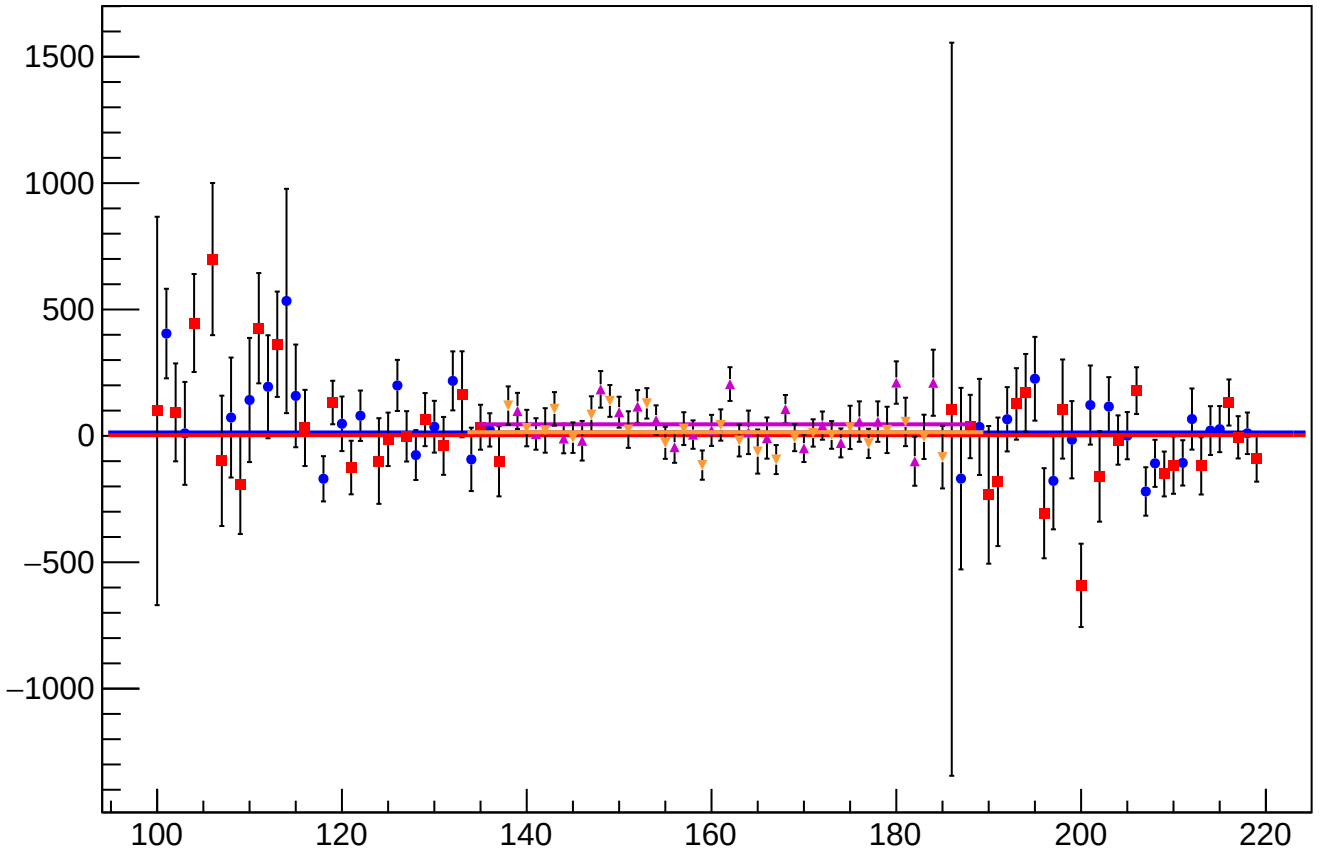
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 730.306+/-0.084 χ^2/NDF: 7328104.9/68

In: 296.075+/-0.039 χ^2/NDF:18996582.7/54

Out: 297.451+/-0.038 χ^2/NDF:21394904.7/61

All: 296.775+/-0.027 χ^2/NDF: 40392117.7/1



Right In: 13.471+/-20.659 χ^2/NDF: 34.7/31

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 2.902+/-21.213 χ^2/NDF: 57.3/36

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

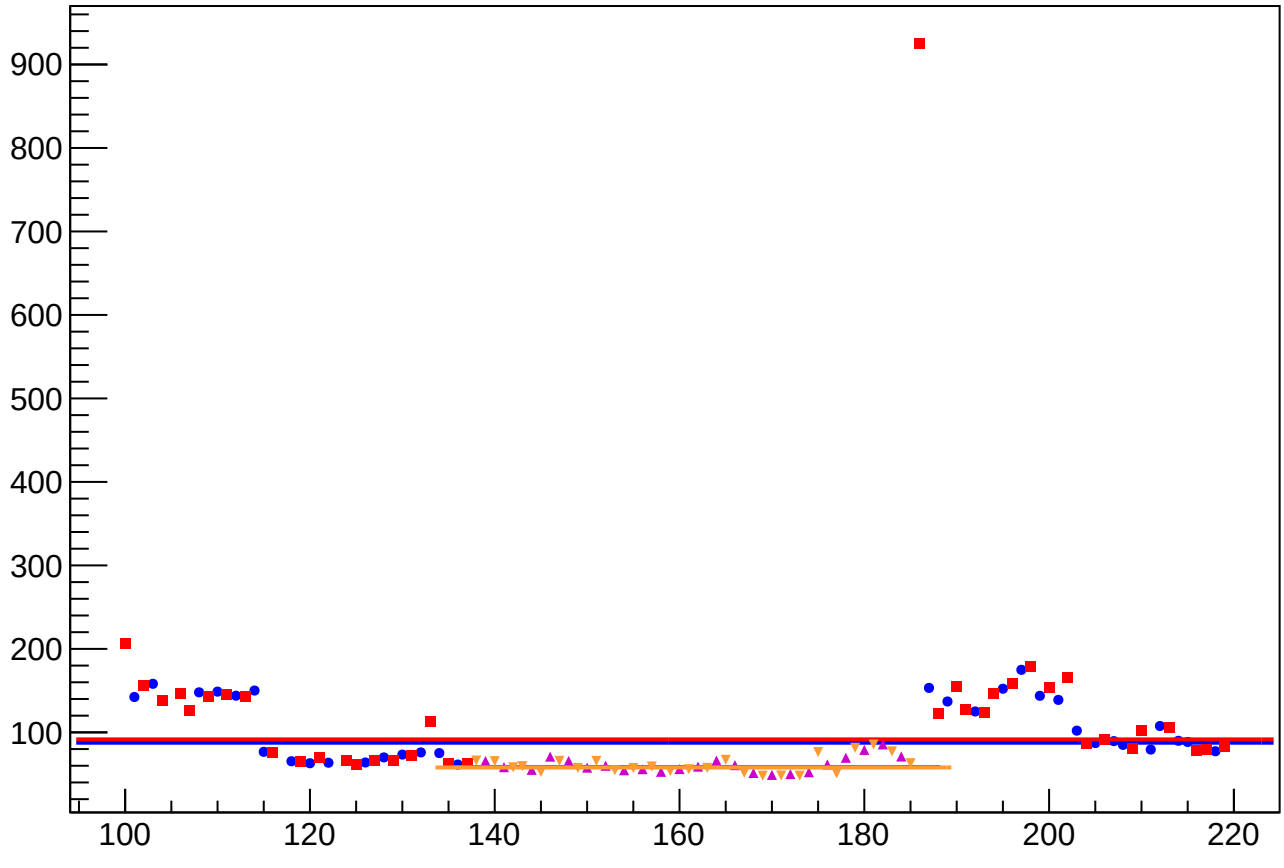
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 8.327+/-14.800 χ^2/NDF: 92.2/68

In: 35.698+/-11.550 χ^2/NDF:67.2/54

Out: 11.171+/-11.362 χ^2/NDF:82.0/61

All: 23.233+/-8.100 χ^2/NDF: 151.5/116



Right In: 87.627+/-0.015 χ^2/NDF: 3506527.6/31

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 91.596+/-0.015 χ^2/NDF: 4757860.3/36

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

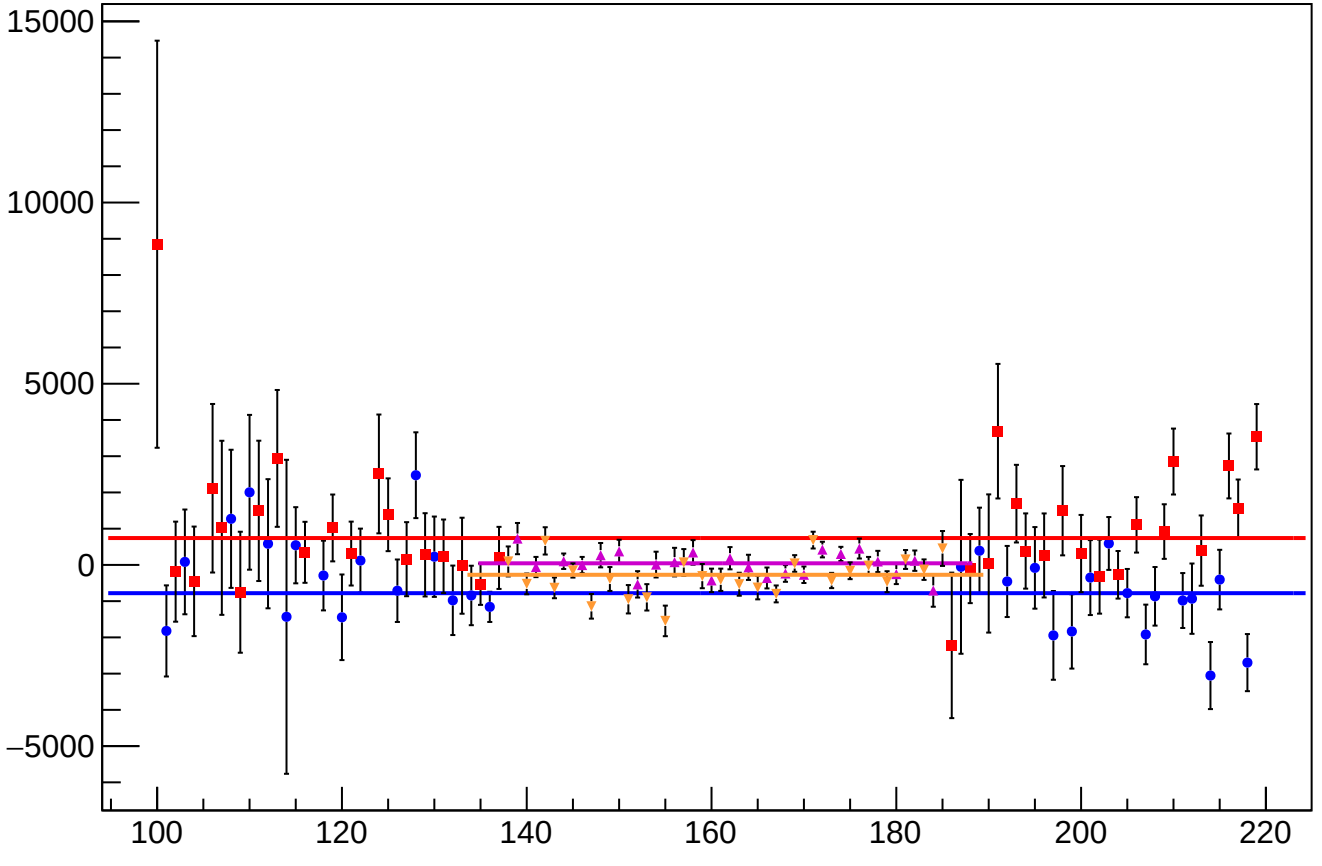
Right: 89.559+/-0.010 χ^2/NDF: 8300312.5/68

In: 67.591+/-0.008 χ^2/NDF:6893253.6/54

Out: 67.613+/-0.008 χ^2/NDF:9239535.5/61

All: 67.602+/-0.006 χ^2/NDF: 16132792.8/116

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -779.777+/-165.235 χ^2/NDF: 38.4/31

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 741.427+/-171.008 χ^2/NDF: 46.4/36

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

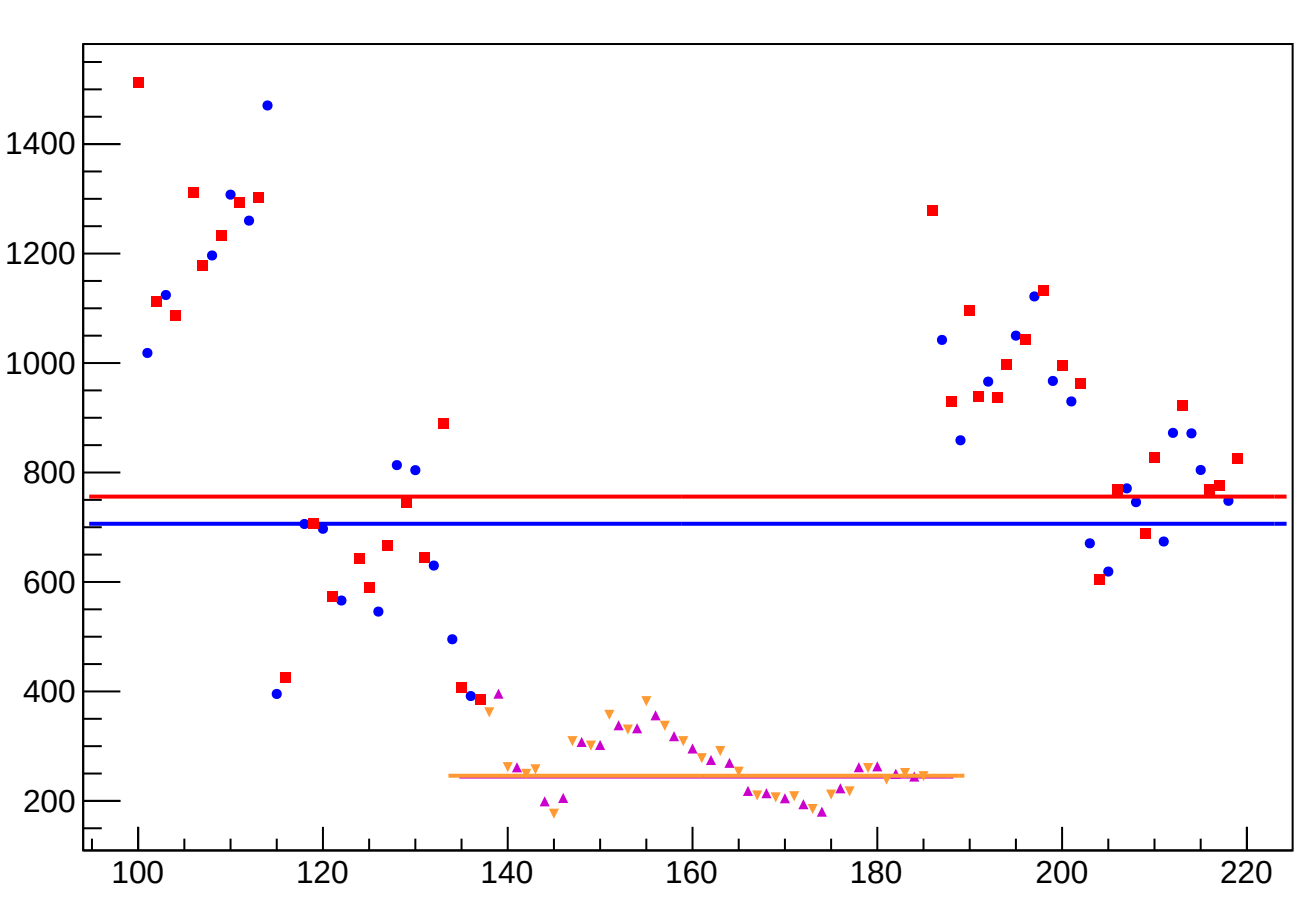
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -45.286+/-118.827 χ^2/NDF: 125.7/68

In: -47.584+/-55.241 χ^2/NDF:87.0/54

Out: -170.249+/-54.309 χ^2/NDF:143.8/61

All: -109.960+/-38.728 χ^2/NDF: 233.3/116



Right In: 706.336+/-0.117 χ^2/NDF: 3518568.4/31

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 755.979+/-0.121 χ^2/NDF: 3722331.0/36

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

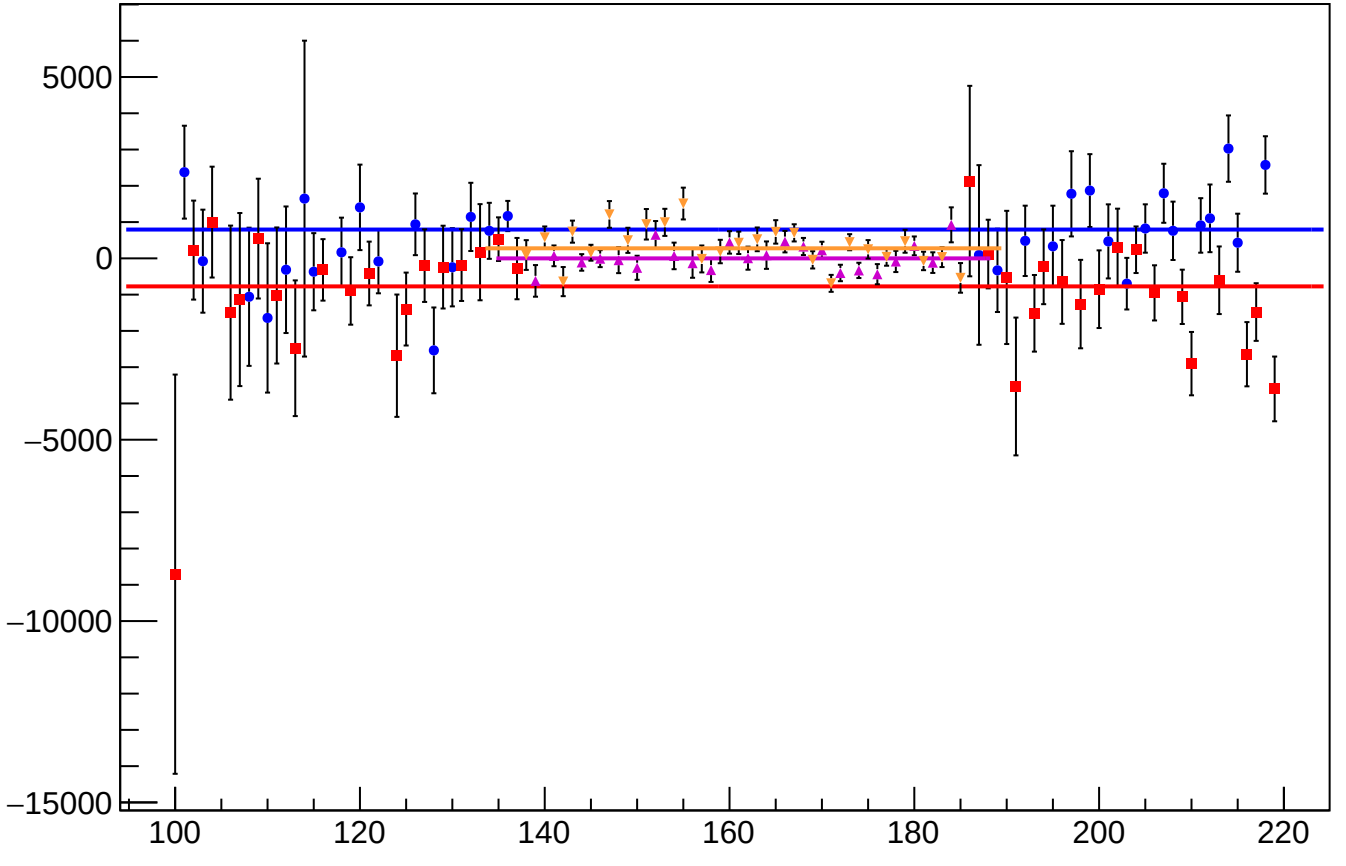
Right: 730.305+/-0.084 χ^2/NDF: 7328067.4/68

In: 296.075+/-0.039 χ^2/NDF:18996569.7/54

Out: 297.450+/-0.038 χ^2/NDF:21394917.3/61

All: 296.774+/-0.027 χ^2/NDF: 40392117.1/11

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 794.426+/-163.242 χ^2/NDF: 38.0/31

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -772.683+/-170.644 χ^2/NDF: 44.2/36

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

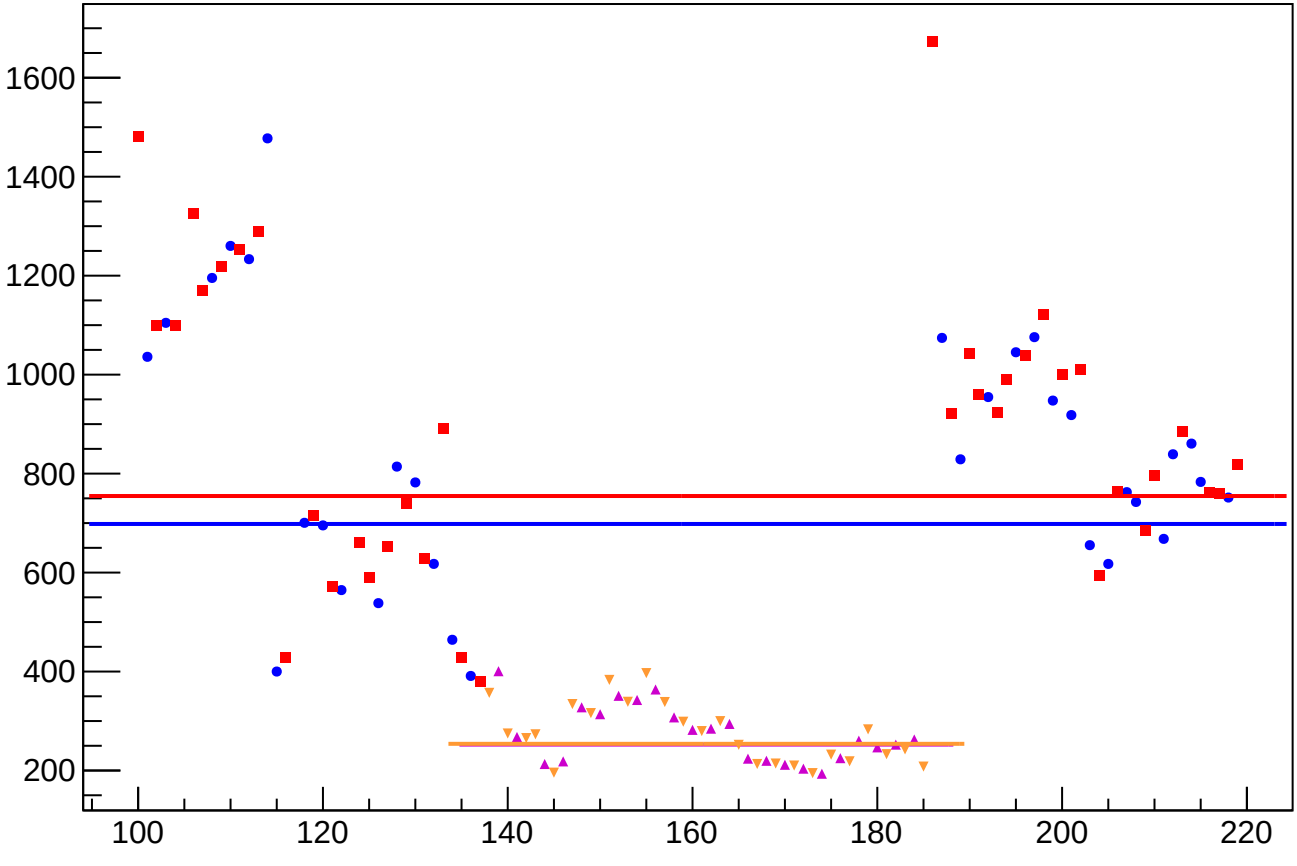
Right: 45.596+/-117.959 χ^2/NDF: 126.2/68

In: 95.052+/-56.611 χ^2/NDF:87.0/54

Out: 164.481+/-55.887 χ^2/NDF:142.1/61

All: 130.213+/-39.771 χ^2/NDF: 229.8/116

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 698.230+/-0.115 χ^2/NDF: 3456292.7/31

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 754.713+/-0.121 χ^2/NDF: 3654276.0/36

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

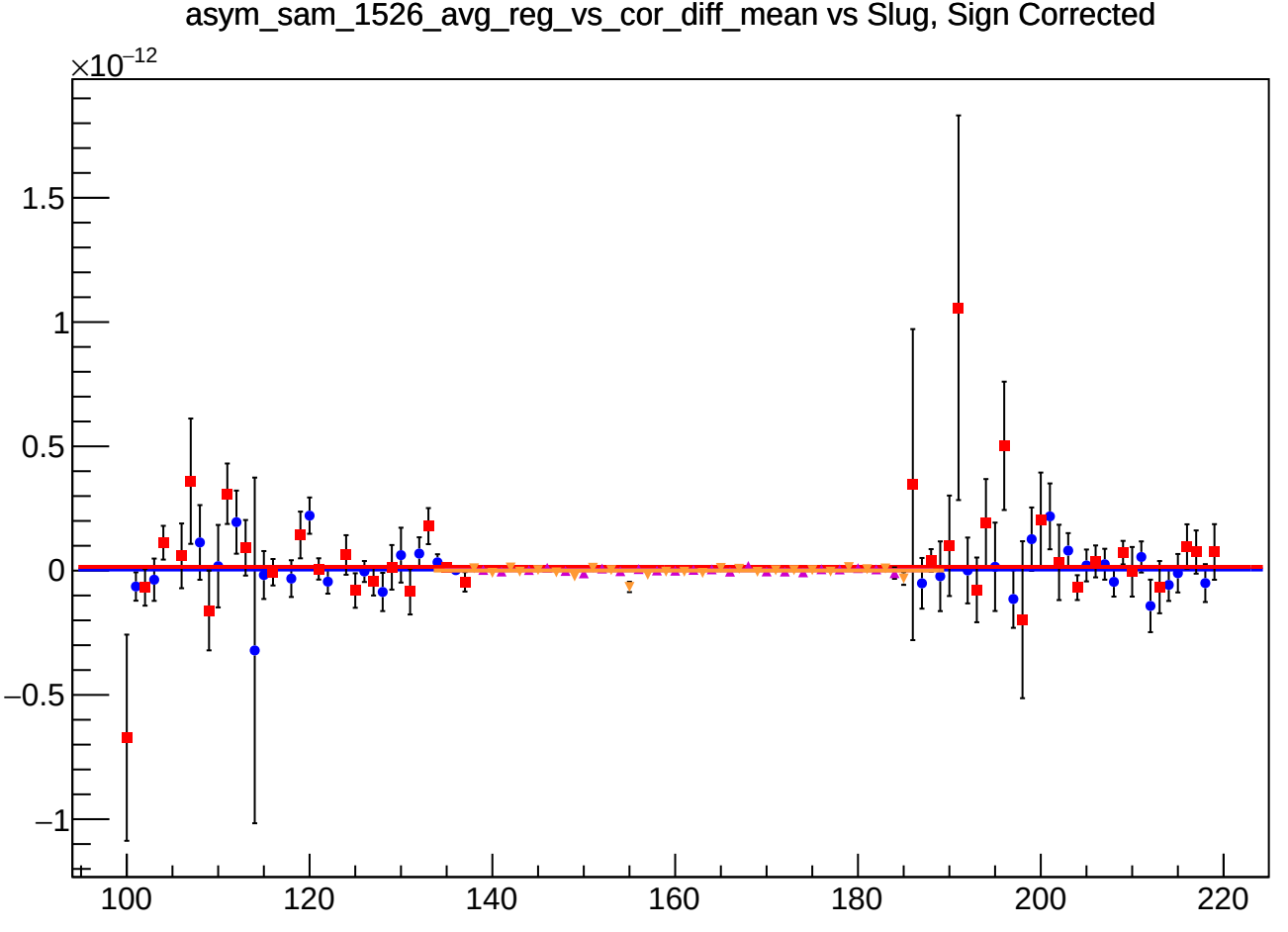
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 725.220+/-0.083 χ^2/NDF: 7224985.1/68

In: 306.008+/-0.040 χ^2/NDF:17992837.7/54

Out: 307.664+/-0.040 χ^2/NDF:20620700.5/61

All: 306.847+/-0.028 χ^2/NDF: 38614405.0/11



Right In: 0.000+/-0.000 χ^2/NDF: 29.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.4/36

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

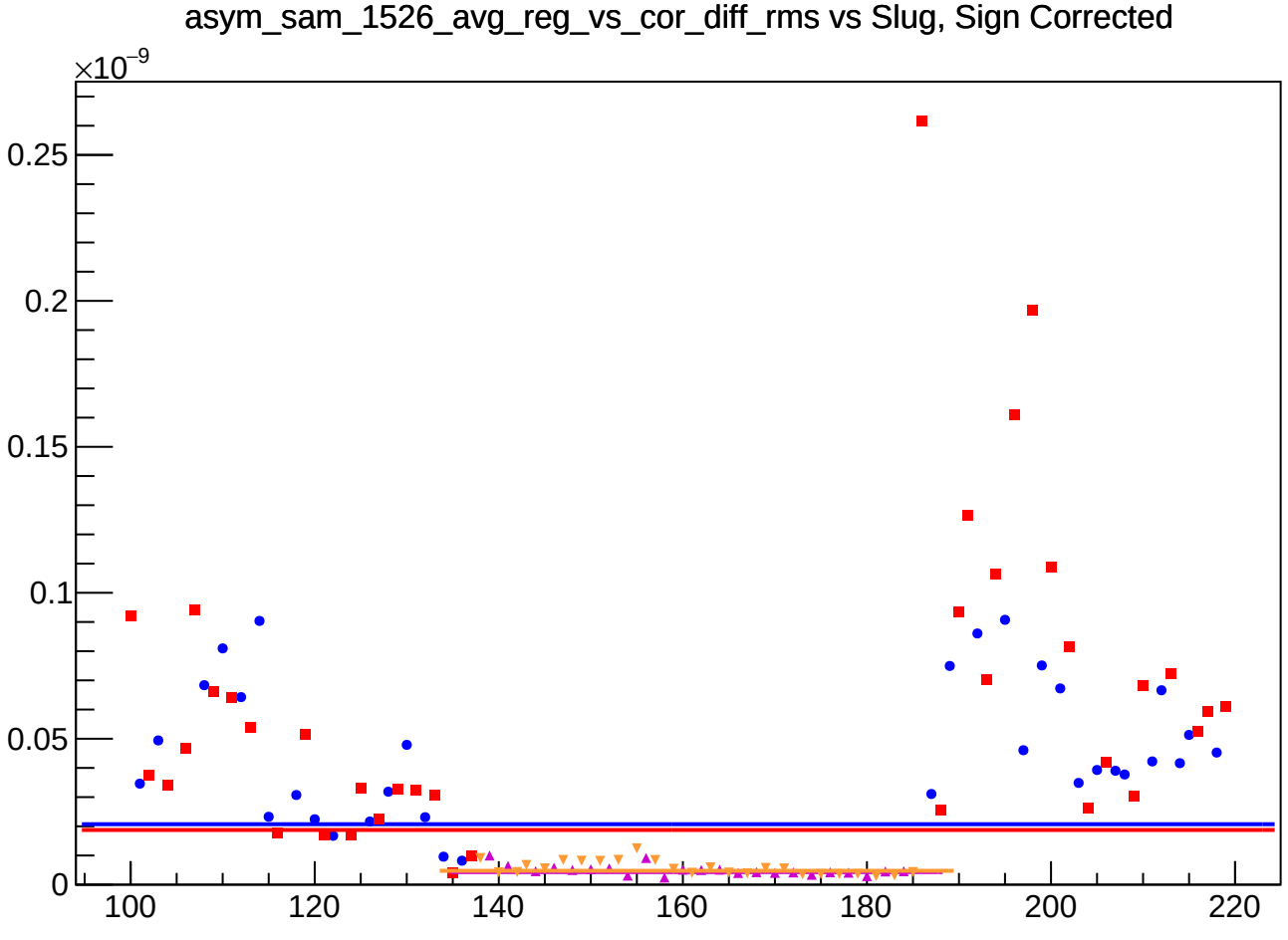
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 75.3/68

In: 0.000+/-0.000 χ^2/NDF:43.3/54

Out: 0.000+/-0.000 χ^2/NDF:74.6/61

All: 0.000+/-0.000 χ^2/NDF: 118.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 7004912.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10164027.8/36

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

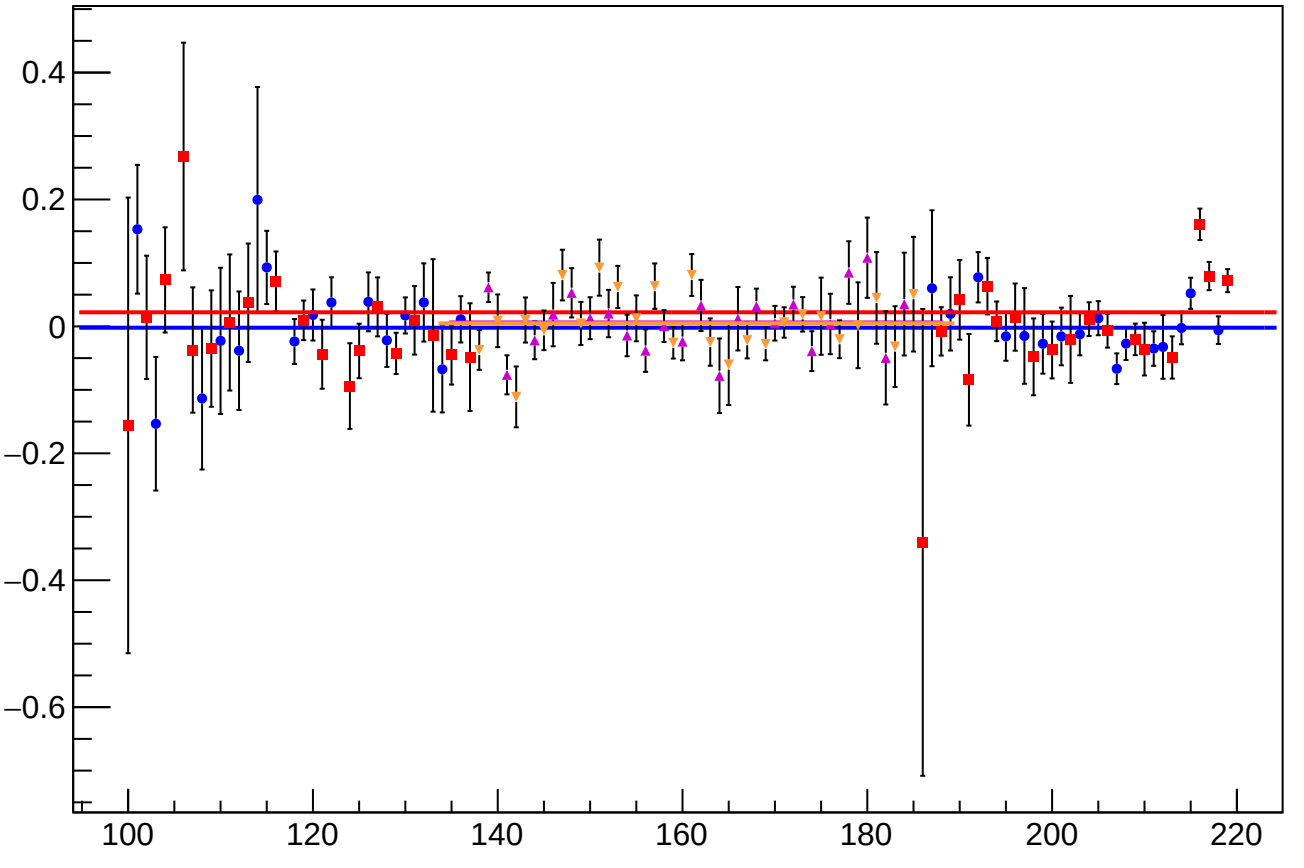
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17212950.1/68

In: 0.000+/-0.000 χ^2/NDF:13873415.9/54

Out: 0.000+/-0.000 χ^2/NDF:16031885.3/61

All: 0.000+/-0.000 χ^2/NDF: 29945716.2/116



Right In: -0.002+/-0.007 χ^2/NDF: 34.3/31

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.022+/-0.007 χ^2/NDF: 82.4/36

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

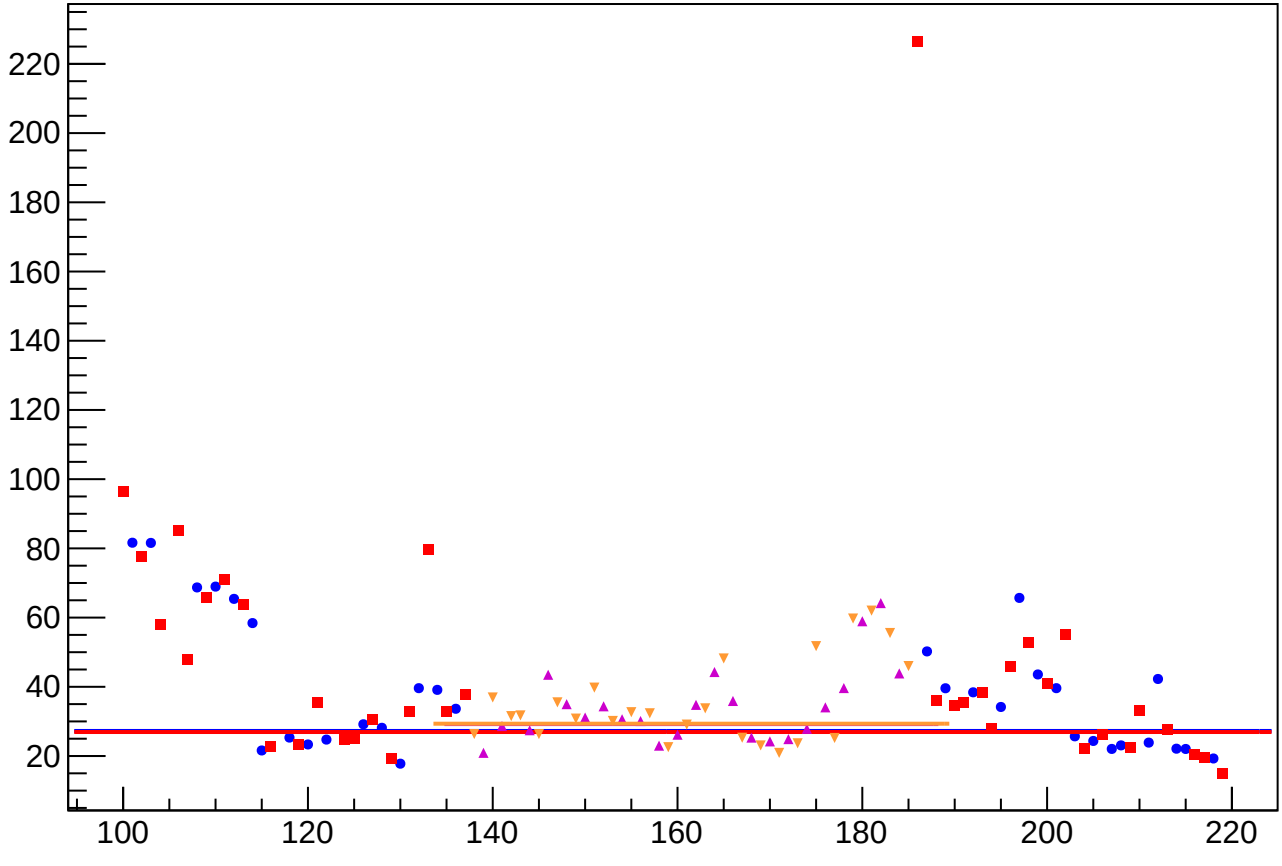
Right: 0.010+/-0.005 χ^2/NDF: 123.2/68

In: 0.002+/-0.005 χ^2/NDF:66.0/54

Out: 0.014+/-0.005 χ^2/NDF:119.5/61

All: 0.008+/-0.003 χ^2/NDF: 188.6/116

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.239+/-0.005 χ^2/NDF: 4634409.7/31

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 26.937+/-0.005 χ^2/NDF: 6351866.4/36

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

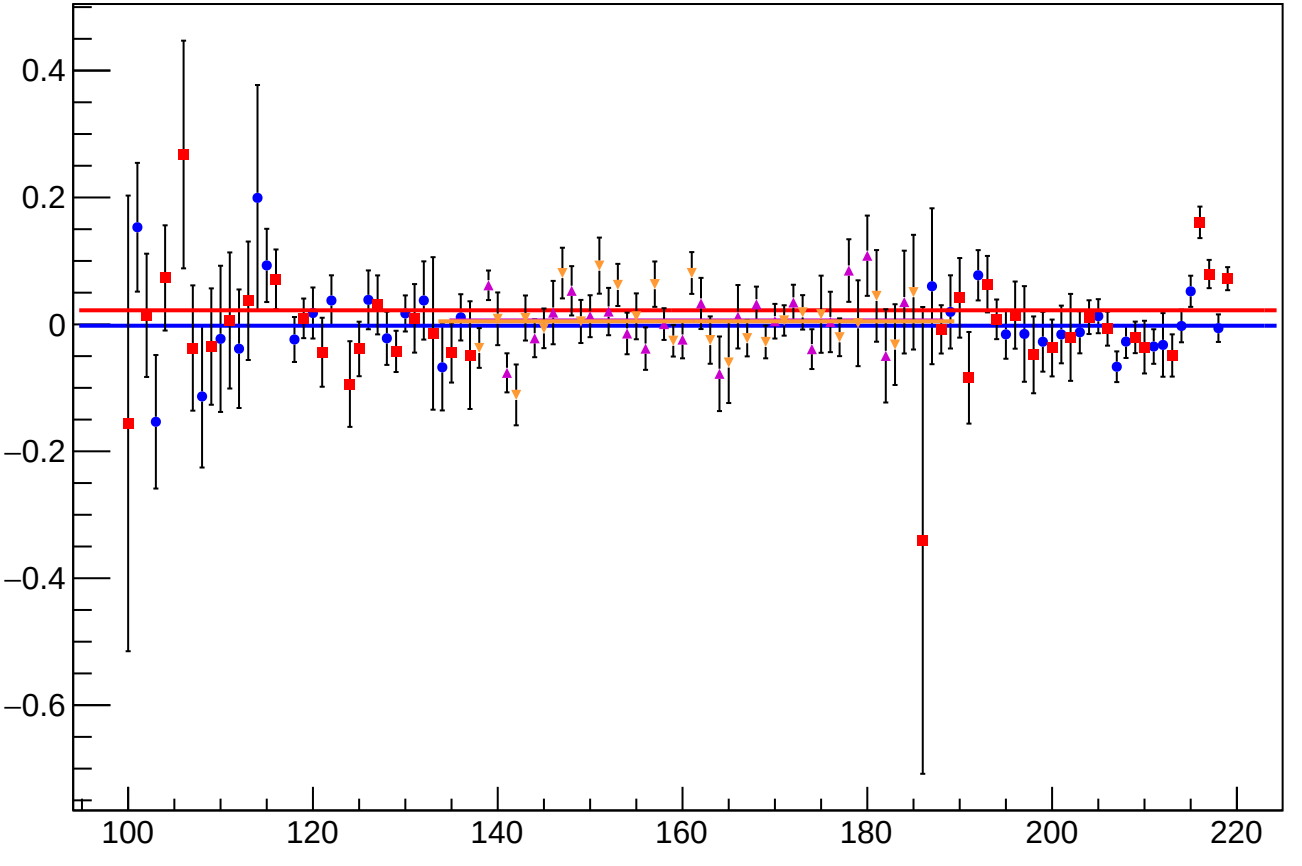
Right: 27.085+/-0.003 χ^2/NDF: 10988282.8/68

In: 28.166+/-0.004 χ^2/NDF:6812010.2/54

Out: 28.066+/-0.003 χ^2/NDF:9159956.3/61

All: 28.115+/-0.002 χ^2/NDF: 15972382.2/116

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.007 χ^2/NDF: 34.3/31

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.022+/-0.007 χ^2/NDF: 82.4/36

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

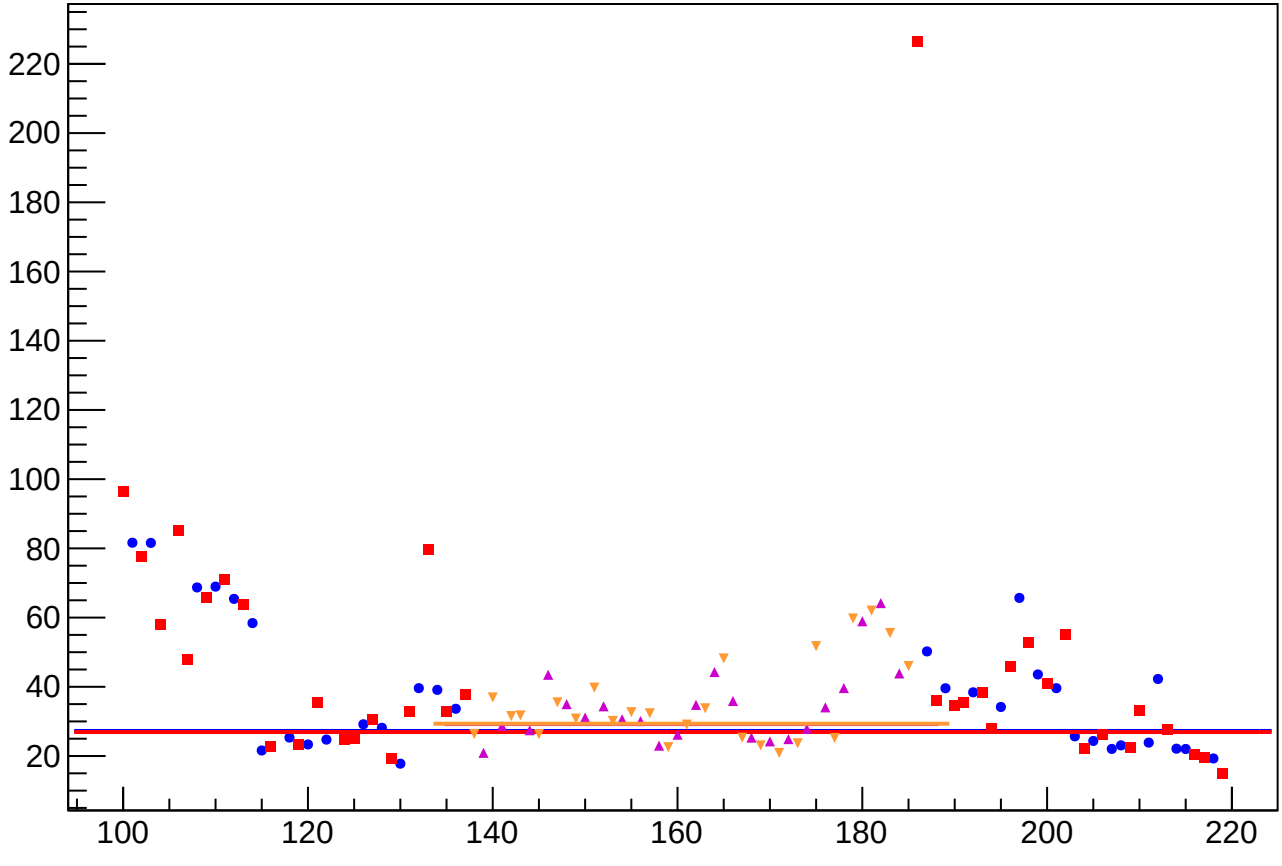
Right: 0.010+/-0.005 χ^2/NDF: 123.2/68

In: 0.002+/-0.005 χ^2/NDF:66.0/54

Out: 0.014+/-0.005 χ^2/NDF:119.5/61

All: 0.008+/-0.003 χ^2/NDF: 188.6/116

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.239+/-0.005 χ^2/NDF: 4634409.7/31

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 26.937+/-0.005 χ^2/NDF: 6351866.4/36

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

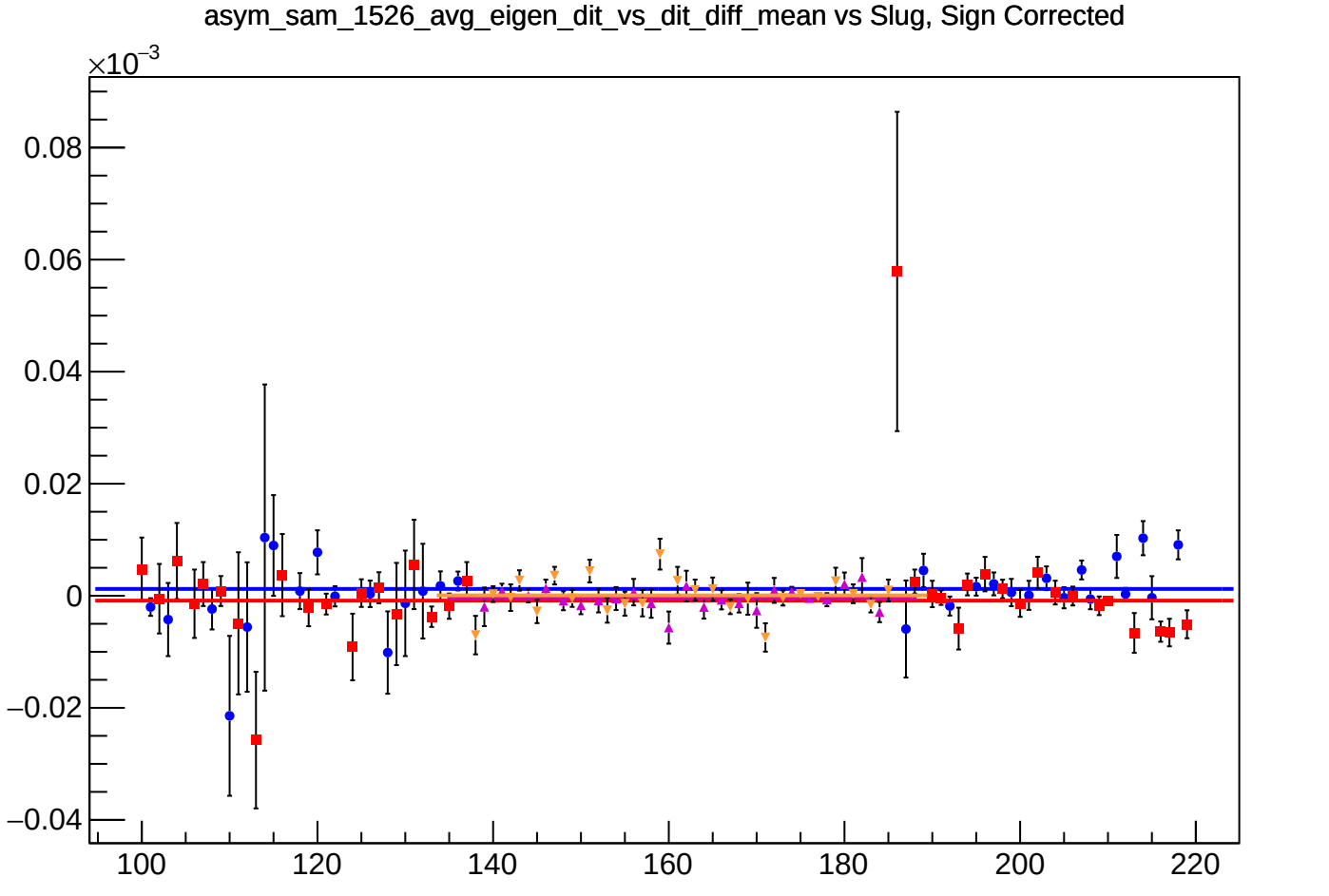
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 27.085+/-0.003 χ^2/NDF: 10988282.8/68

In: 28.166+/-0.004 χ^2/NDF:6812010.2/54

Out: 28.066+/-0.003 χ^2/NDF:9159956.3/61

All: 28.115+/-0.002 χ^2/NDF: 15972382.2/116



Right In: 0.000+/-0.000 χ^2/NDF: 49.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 54.9/36

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

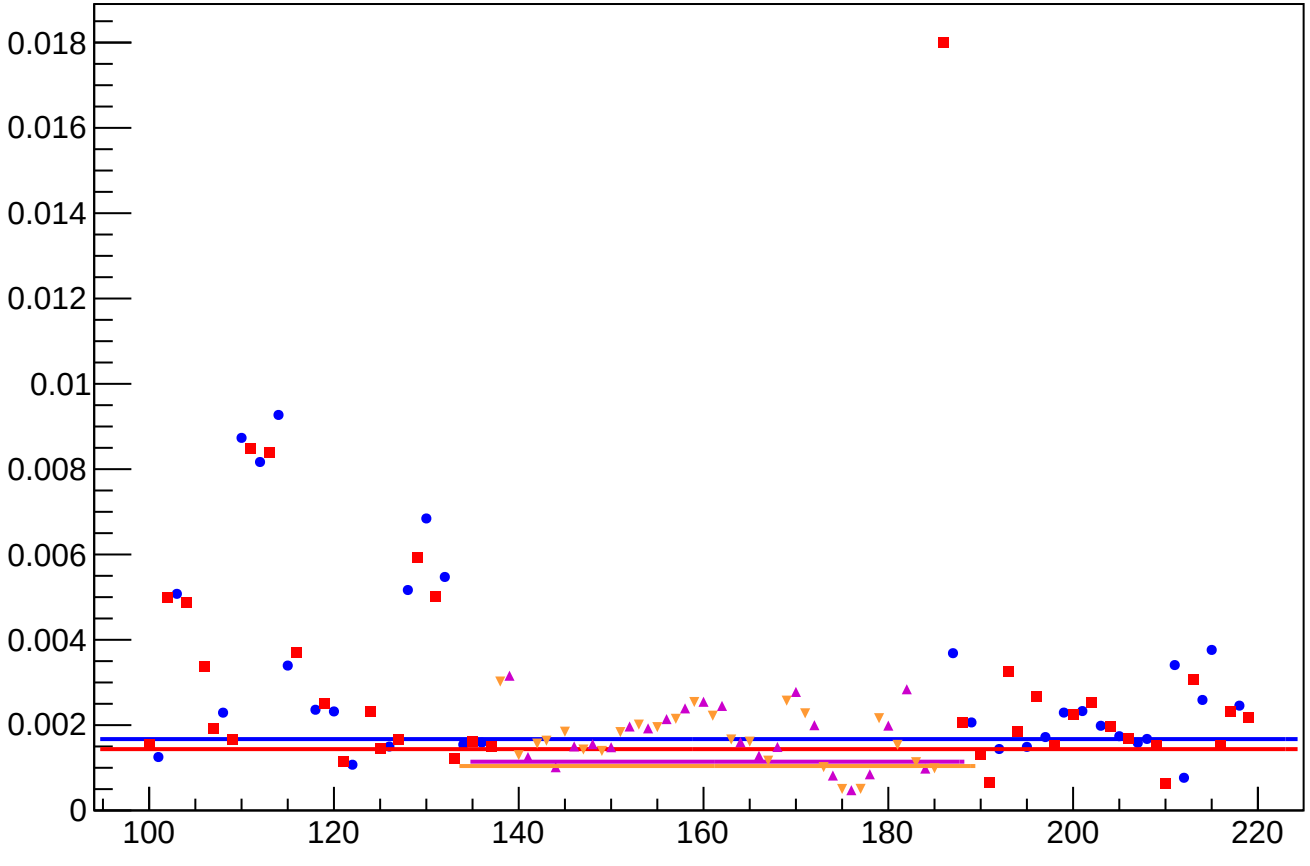
Right: 0.000+/-0.000 χ^2/NDF: 118.4/68

In: 0.000+/-0.000 χ^2/NDF:73.8/54

Out: -0.000+/-0.000 χ^2/NDF:102.8/61

All: -0.000+/-0.000 χ^2/NDF: 178.6/116

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7198541.4/31

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10699137.8/36

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

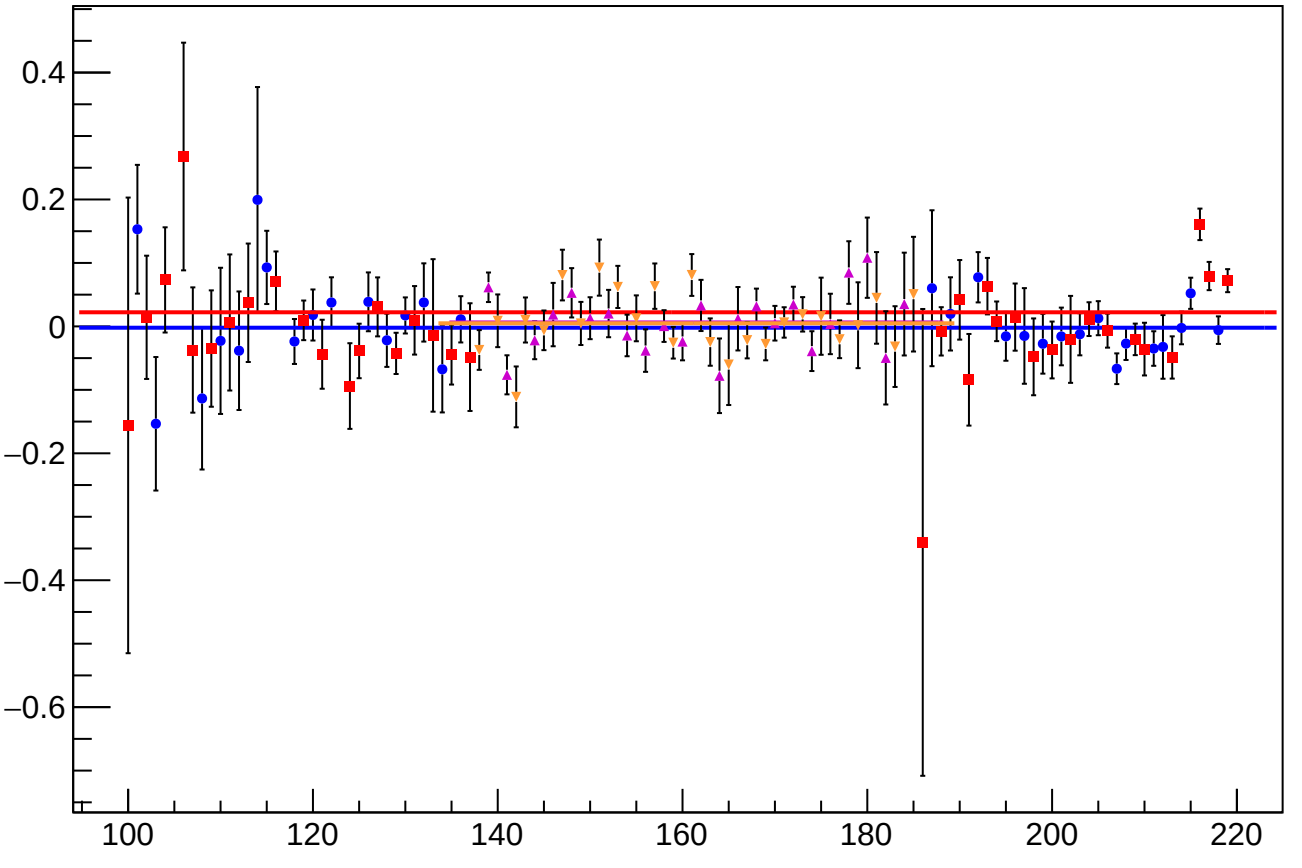
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 18247707.5/68

In: 0.001+/-0.000 χ^2/NDF:17511499.2/54

Out: 0.001+/-0.000 χ^2/NDF:21998339.8/61

All: 0.001+/-0.000 χ^2/NDF: 39867439.8/116



Right In: -0.002+/-0.007 χ^2/NDF: 34.3/31

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.022+/-0.007 χ^2/NDF: 82.4/36

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

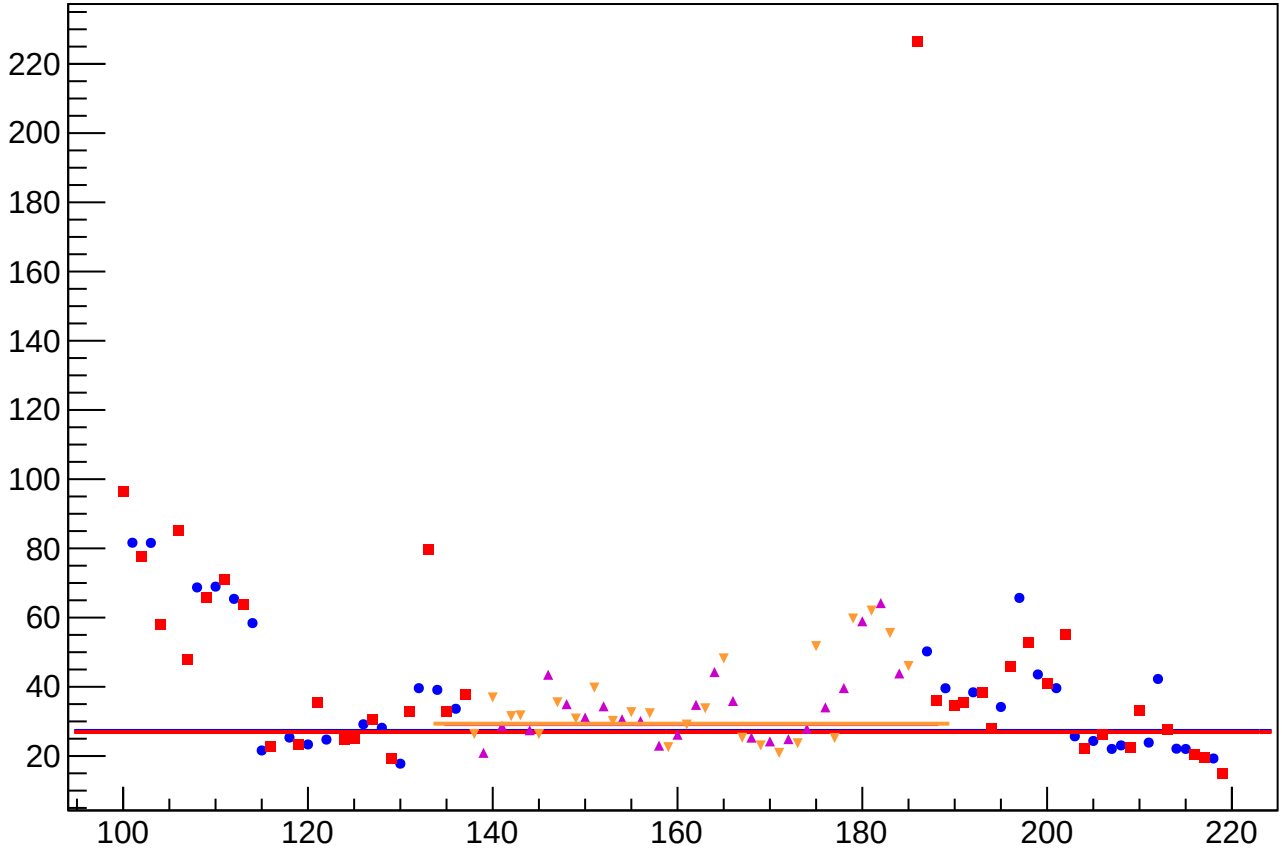
Right: 0.010+/-0.005 χ^2/NDF: 123.2/68

In: 0.002+/-0.005 χ^2/NDF:66.0/54

Out: 0.014+/-0.005 χ^2/NDF:119.5/61

All: 0.008+/-0.003 χ^2/NDF: 188.6/116

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.238+/-0.005 χ^2/NDF: 4634618.6/31

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 26.936+/-0.005 χ^2/NDF: 6352169.5/36

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

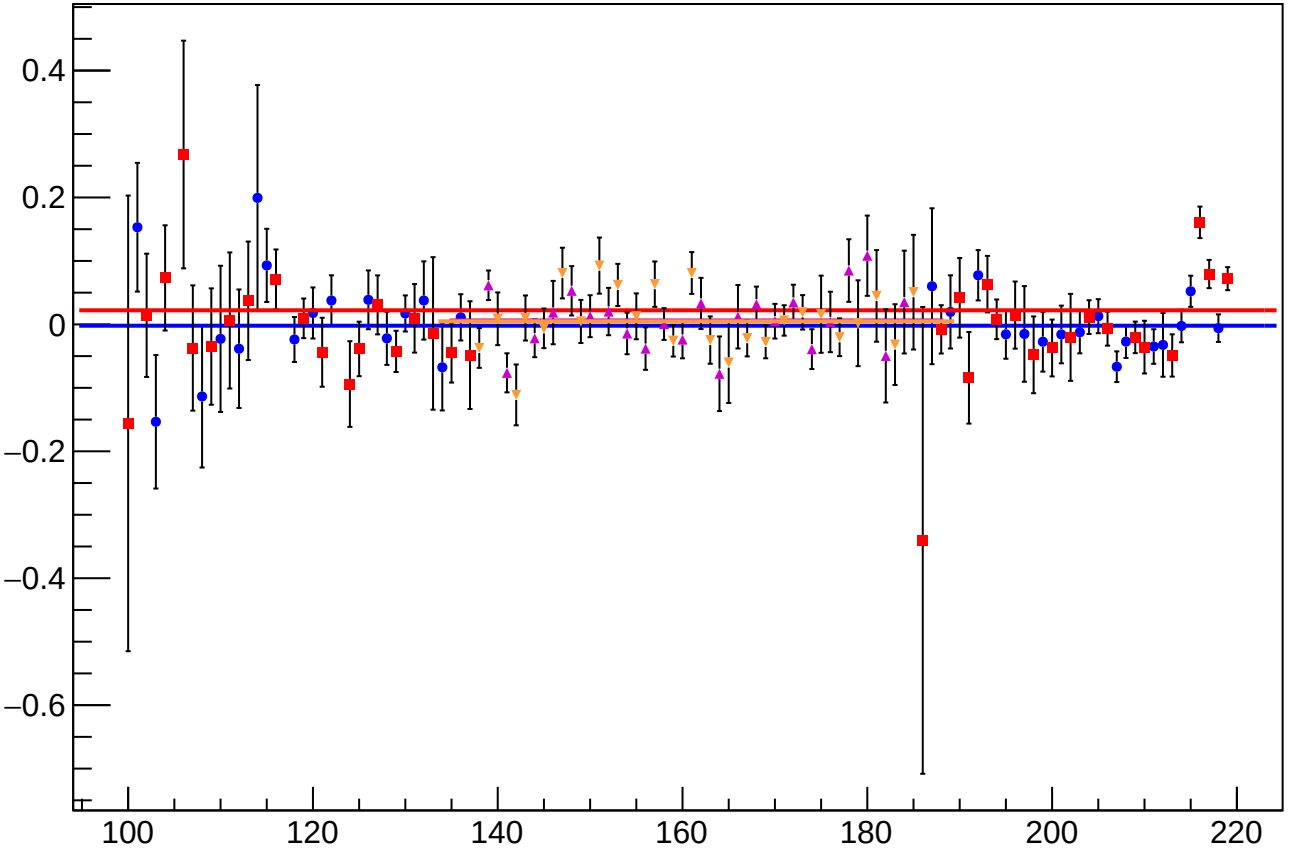
Right: 27.085+/-0.003 χ^2/NDF: 10988798.7/68

In: 28.166+/-0.004 χ^2/NDF:6812251.8/54

Out: 28.066+/-0.003 χ^2/NDF:9160396.5/61

All: 28.115+/-0.002 χ^2/NDF: 15973066.2/116

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.007 χ^2/NDF: 34.3/31

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.022+/-0.007 χ^2/NDF: 82.4/36

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

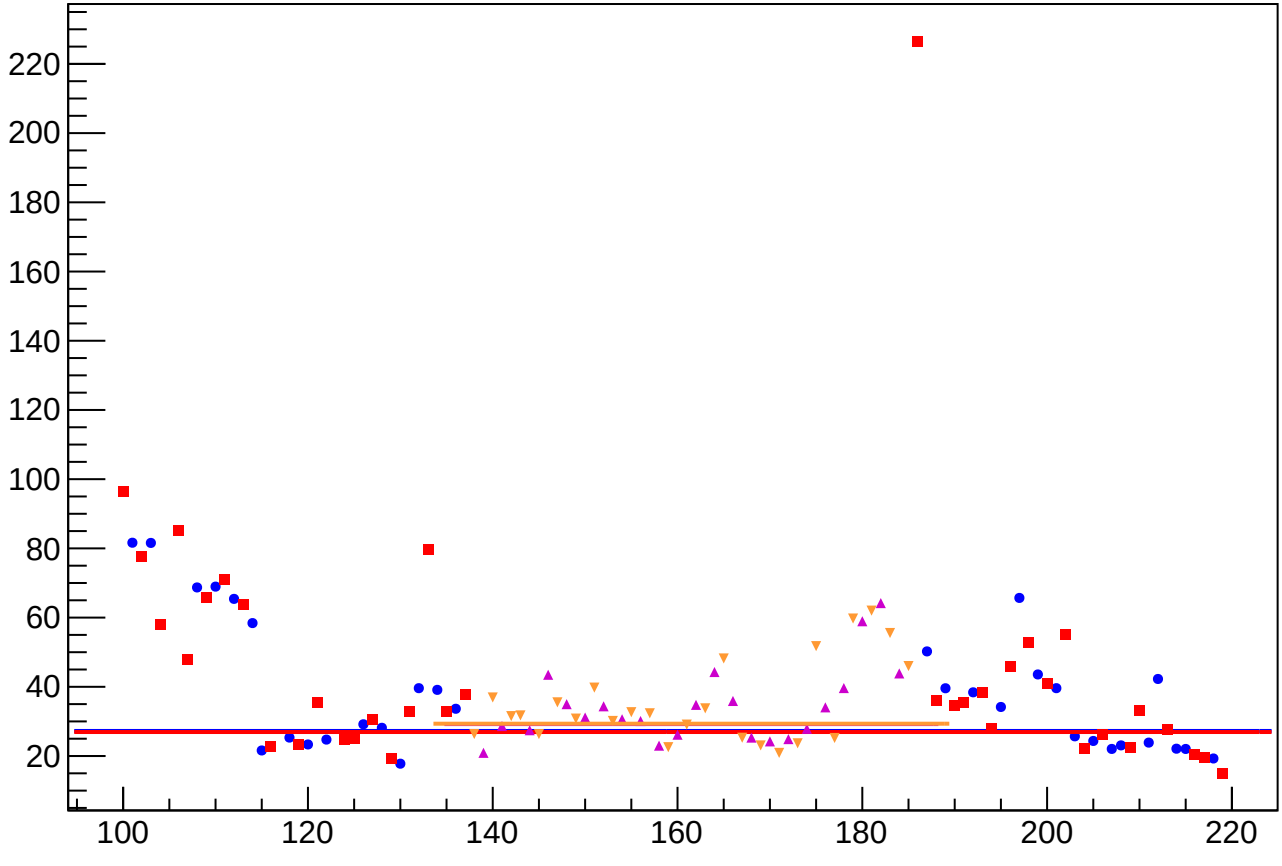
Right: 0.010+/-0.005 χ^2/NDF: 123.2/68

In: 0.002+/-0.005 χ^2/NDF:66.0/54

Out: 0.014+/-0.005 χ^2/NDF:119.5/61

All: 0.008+/-0.003 χ^2/NDF: 188.6/116

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.238+/-0.005 χ^2/NDF: 4634618.6/31

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 26.936+/-0.005 χ^2/NDF: 6352169.5/36

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

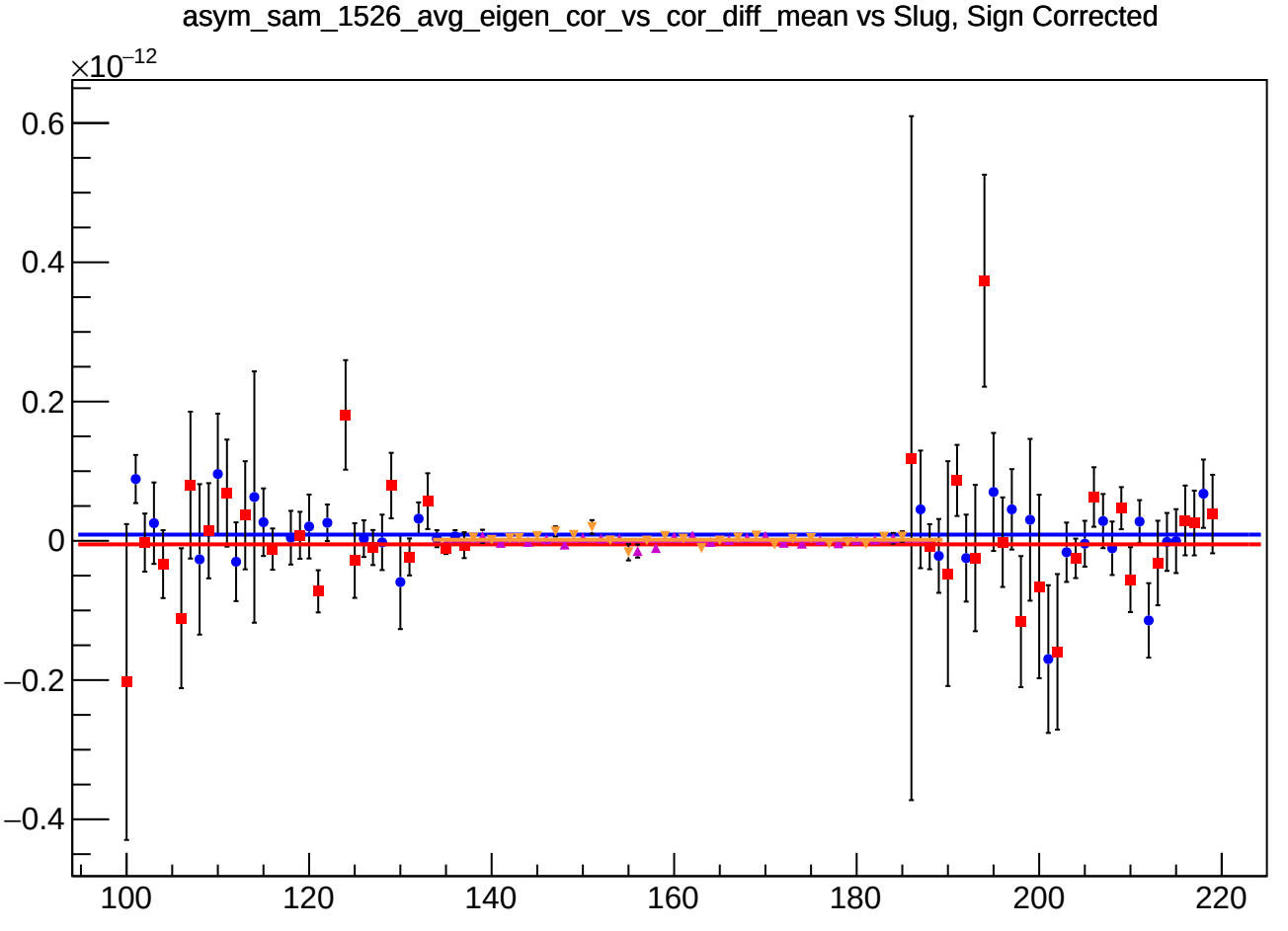
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 27.085+/-0.003 χ^2/NDF: 10988798.7/68

In: 28.166+/-0.004 χ^2/NDF:6812251.8/54

Out: 28.066+/-0.003 χ^2/NDF:9160396.5/61

All: 28.115+/-0.002 χ^2/NDF: 15973066.2/116



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.7/36

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

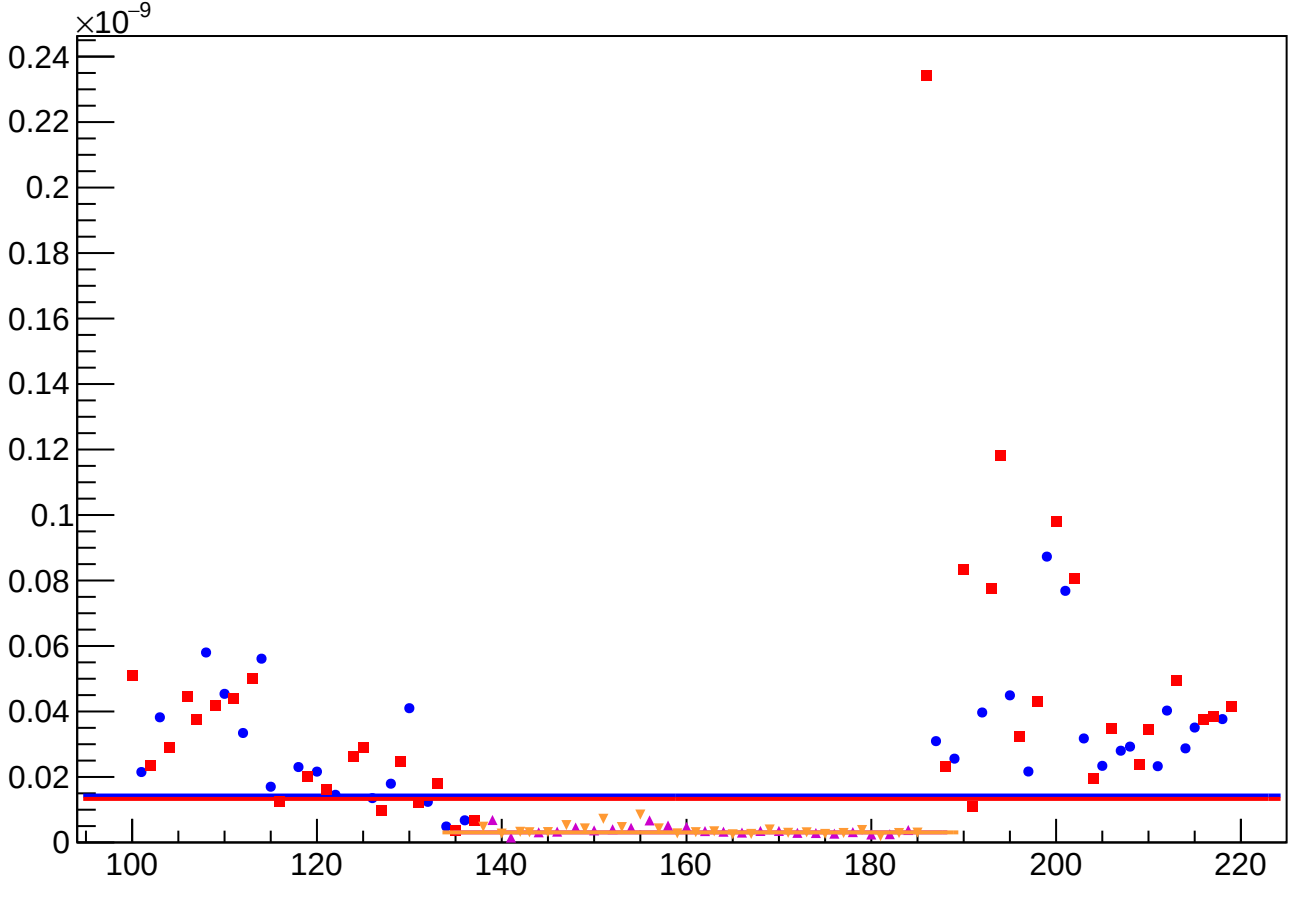
Right: 0.000+/-0.000 χ^2/NDF: 70.2/68

In: 0.000+/-0.000 χ^2/NDF:44.1/54

Out: 0.000+/-0.000 χ^2/NDF:80.2/61

All: 0.000+/-0.000 χ^2/NDF: 124.8/116

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9496796.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13674526.3/36

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

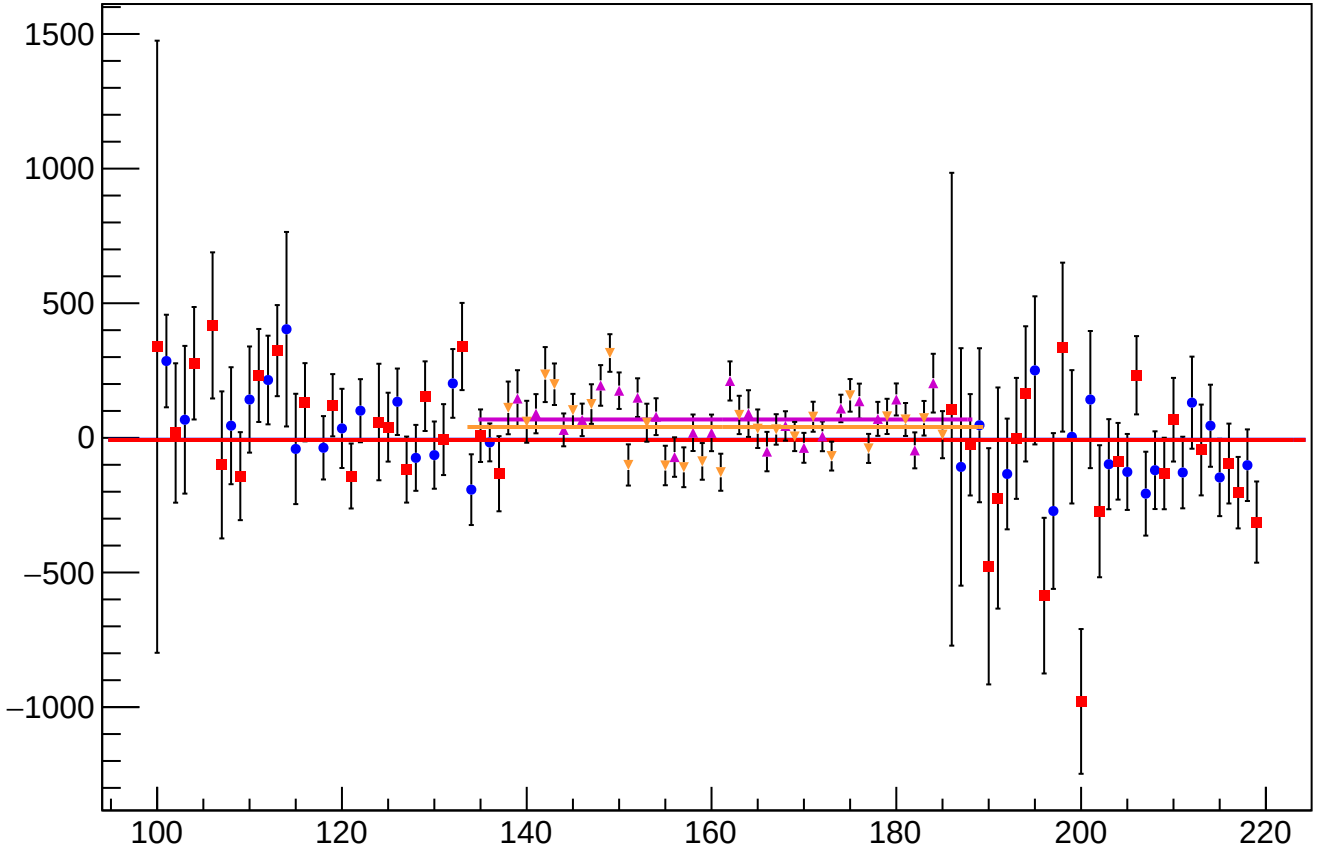
Right: 0.000+/-0.000 χ^2/NDF: 23208622.5/68

In: 0.000+/-0.000 χ^2/NDF:20203920.3/54

Out: 0.000+/-0.000 χ^2/NDF:22866057.8/61

All: 0.000+/-0.000 χ^2/NDF: 43072712.2/116

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: -6.936+/-26.889 χ^2/NDF: 23.1/31

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -7.870+/-27.437 χ^2/NDF: 54.6/36

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

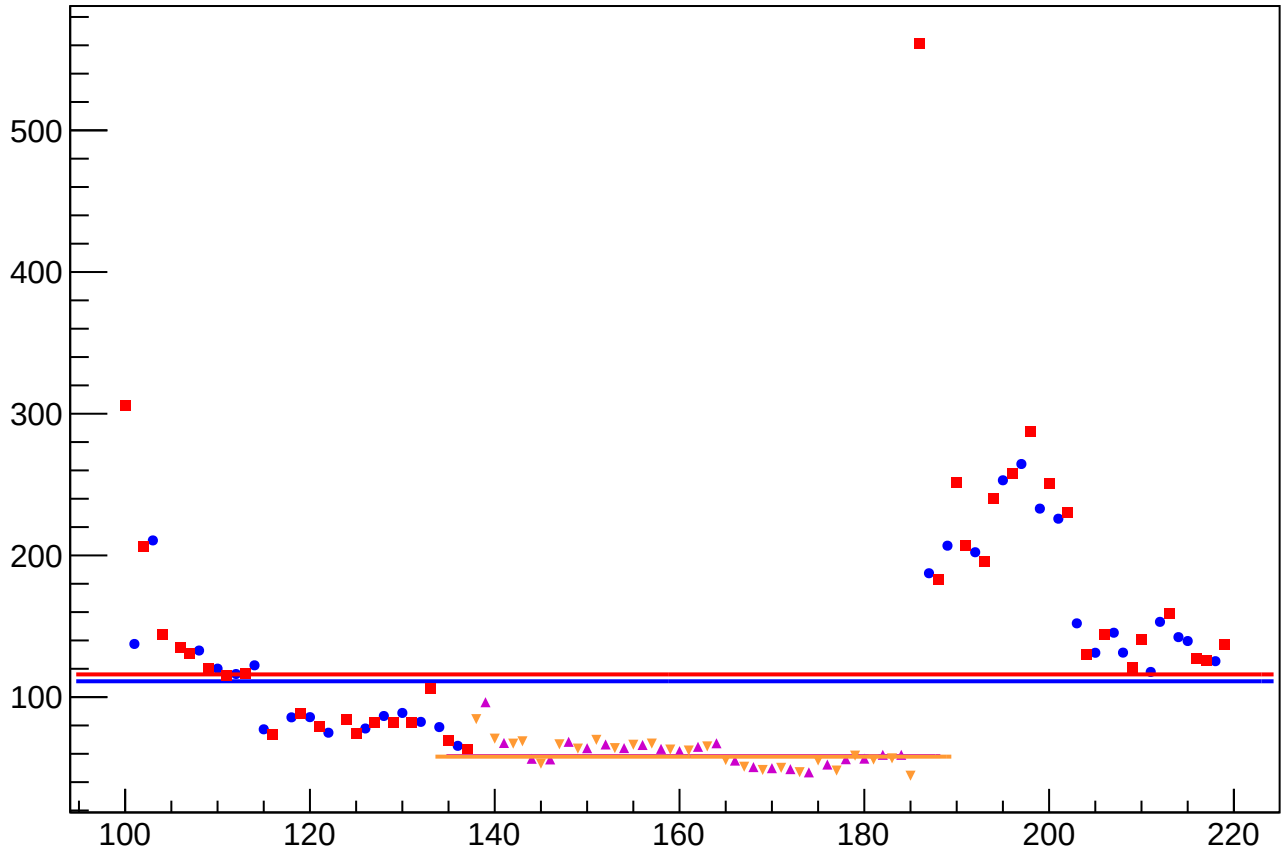
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: -7.393+/-19.205 χ^2/NDF: 77.7/68

In: 52.531+/-12.324 χ^2/NDF:61.0/54

Out: 31.055+/-12.042 χ^2/NDF:116.5/61

All: 41.545+/-8.613 χ^2/NDF: 179.1/116



Right In: 111.183+/-0.019 χ^2/NDF: 5351588.9/31

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 116.033+/-0.019 χ^2/NDF: 6400208.7/36

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

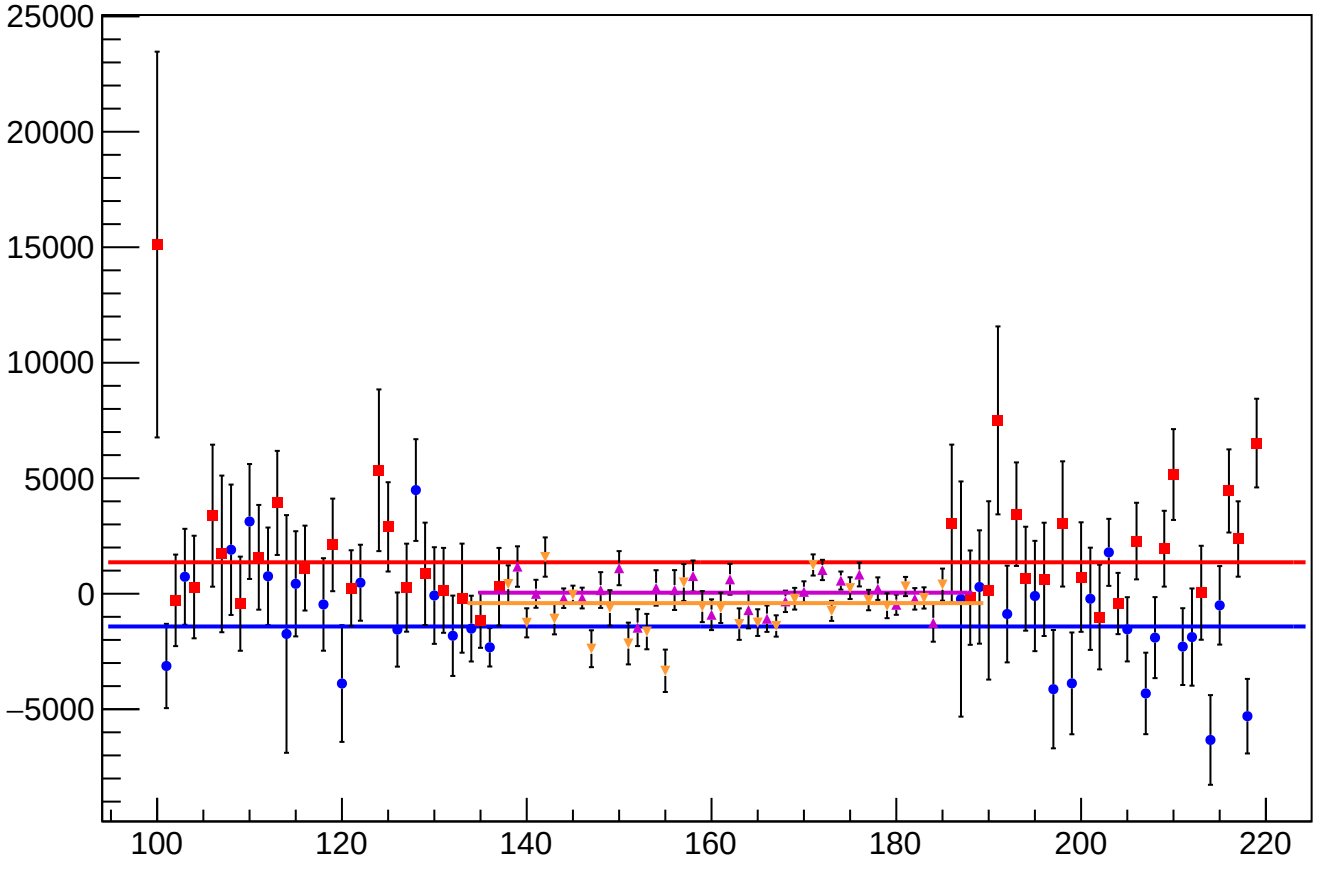
Right: 113.559+/-0.014 χ^2/NDF: 11783676.3/68

In: 69.485+/-0.009 χ^2/NDF:12175252.2/54

Out: 69.175+/-0.009 χ^2/NDF:14432920.2/61

All: 69.327+/-0.006 χ^2/NDF: 26608818.8/116

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1418.343+/-323.814 χ^2/NDF: 43.8/31

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: 1360.932+/-336.119 χ^2/NDF: 37.5/36

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

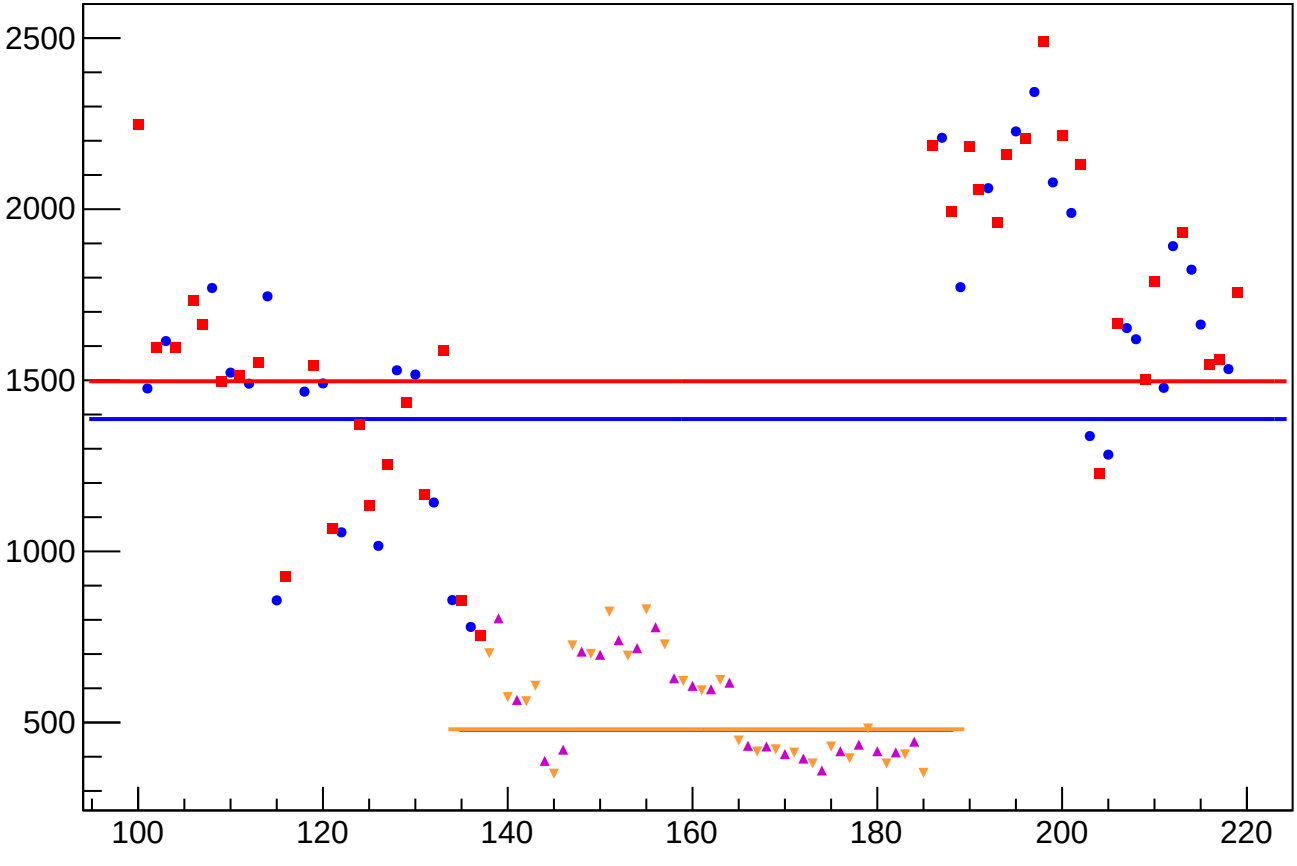
Right: -80.510+/-233.200 χ^2/NDF: 116.7/68

In: -120.984+/-109.008 χ^2/NDF:93.0/54

Out: -225.527+/-107.507 χ^2/NDF:125.5/61

All: -173.980+/-76.544 χ^2/NDF: 218.9/116

asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1386.708+/-0.229 χ^2/NDF: 3354883.2/31

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1497.122+/-0.238 χ^2/NDF: 3124182.0/36

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

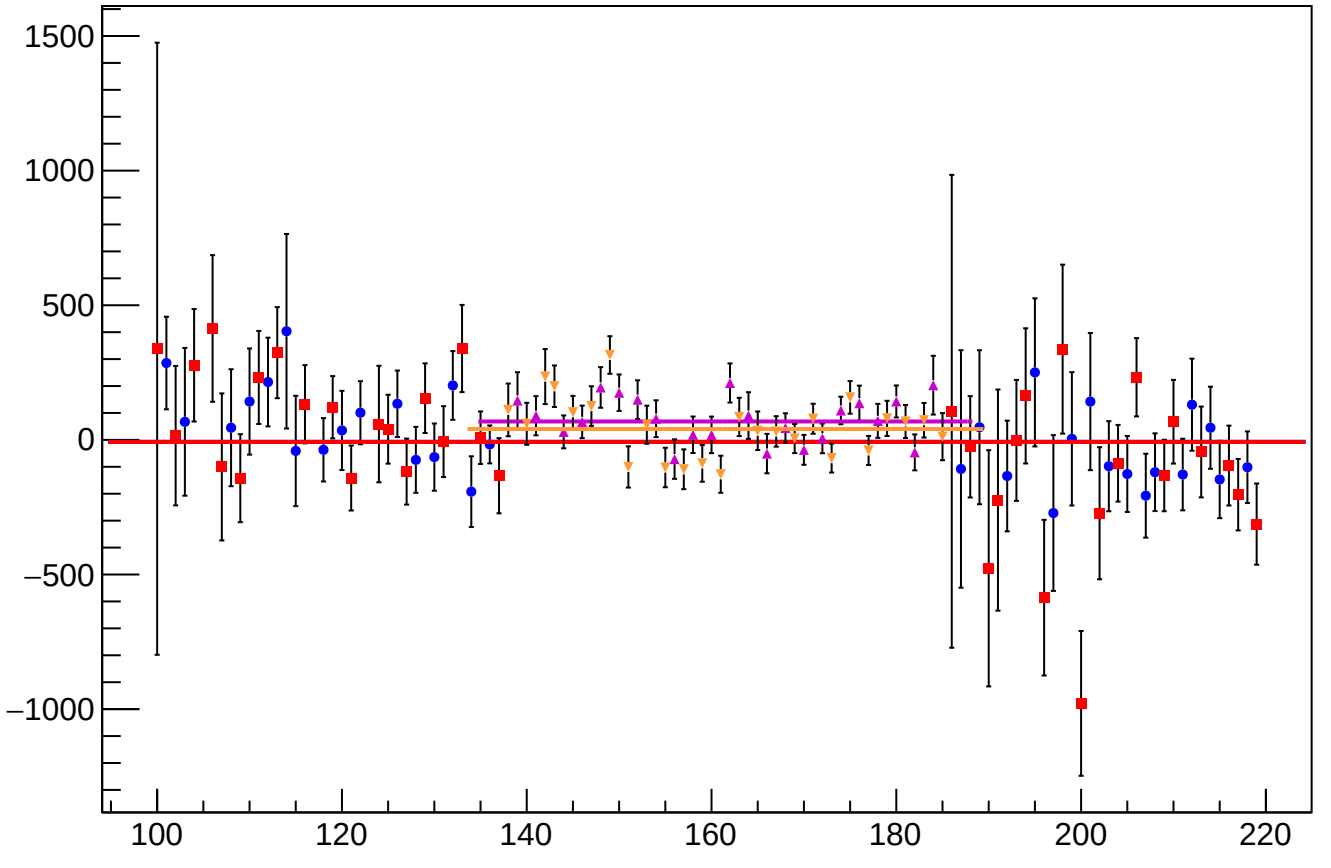
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1439.857+/-0.165 χ^2/NDF: 6590997.3/68

In: 581.054+/-0.077 χ^2/NDF:19533181.7/54

Out: 584.199+/-0.076 χ^2/NDF:22141811.7/61

All: 582.648+/-0.054 χ^2/NDF: 41675837.6/1



Right In: -6.944+/-26.889 χ^2/NDF: 23.1/31

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -7.964+/-27.438 χ^2/NDF: 54.5/36

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

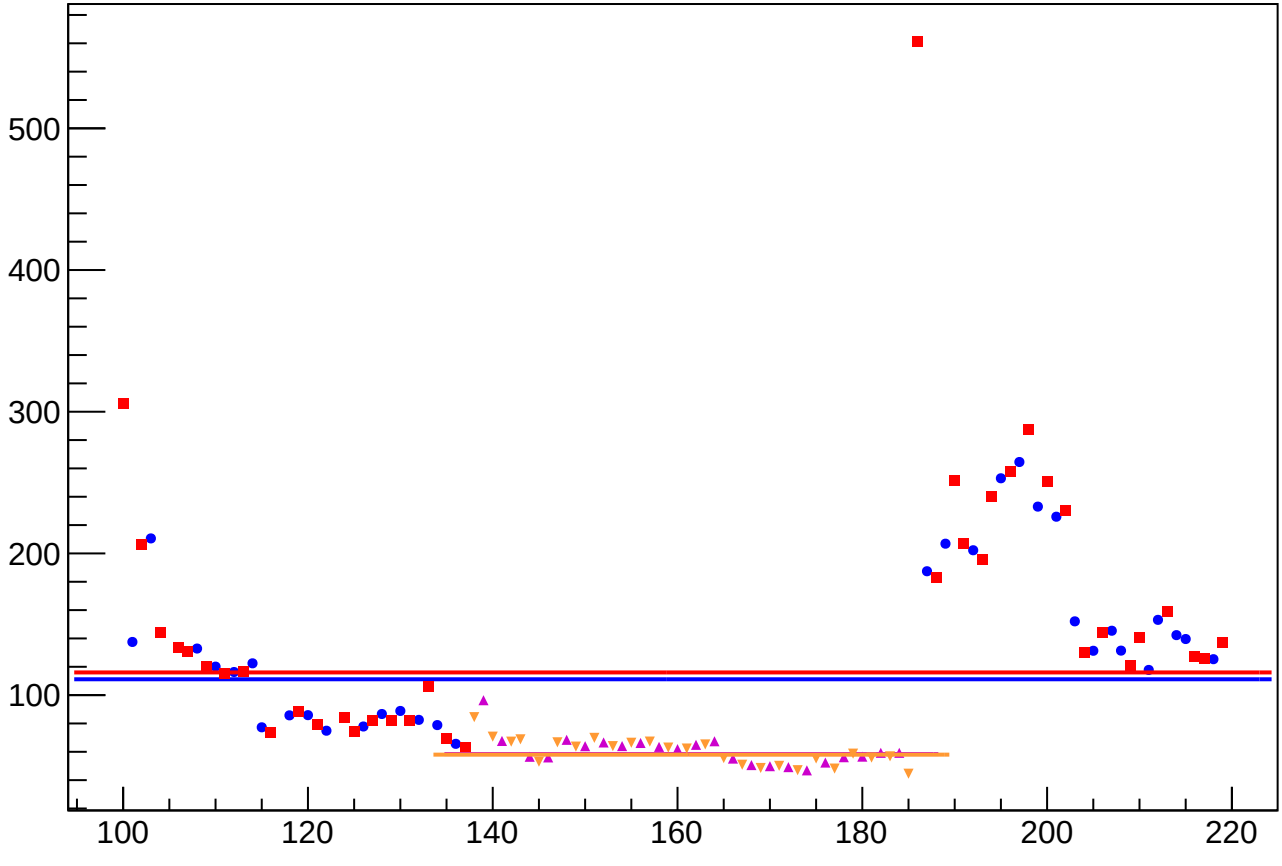
Right: -7.444+/-19.205 χ^2/NDF: 77.6/68

In: 52.528+/-12.324 χ^2/NDF:61.0/54

Out: 31.039+/-12.042 χ^2/NDF:116.4/61

All: 41.535+/-8.613 χ^2/NDF: 179.0/116

cor_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 111.183+/-0.019 χ^2/NDF: 5351592.0/31

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 116.012+/-0.019 χ^2/NDF: 6398540.6/36

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

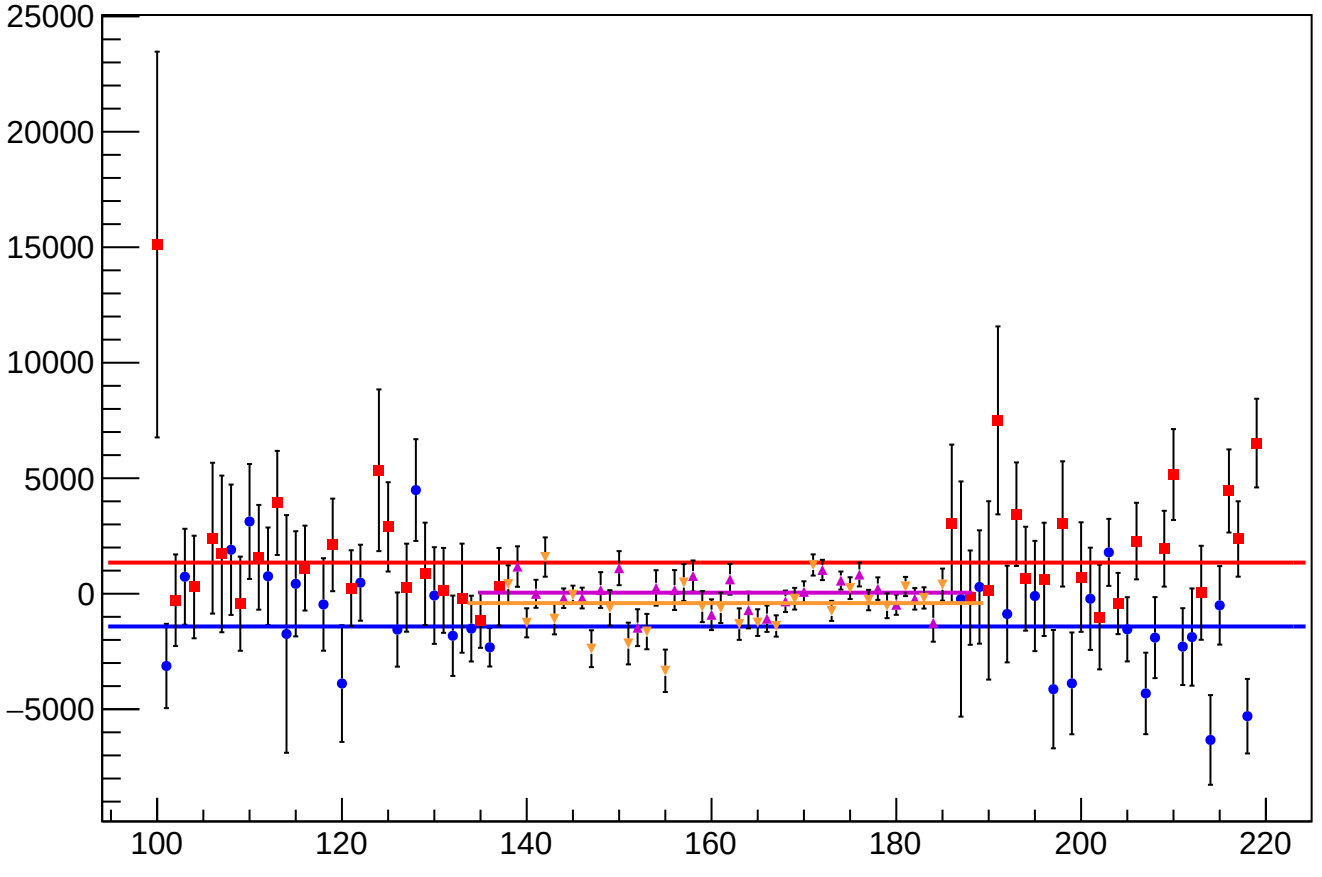
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 113.549+/-0.014 χ^2/NDF: 11781734.5/68

In: 69.485+/-0.009 χ^2/NDF:12175254.6/54

Out: 69.171+/-0.009 χ^2/NDF:14425578.2/61

All: 69.324+/-0.006 χ^2/NDF: 26601499.1/116



Right In: -1418.328+/-323.815 χ^2/NDF: 43.8/31

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 1348.091+/-336.355 χ^2/NDF: 37.1/36

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

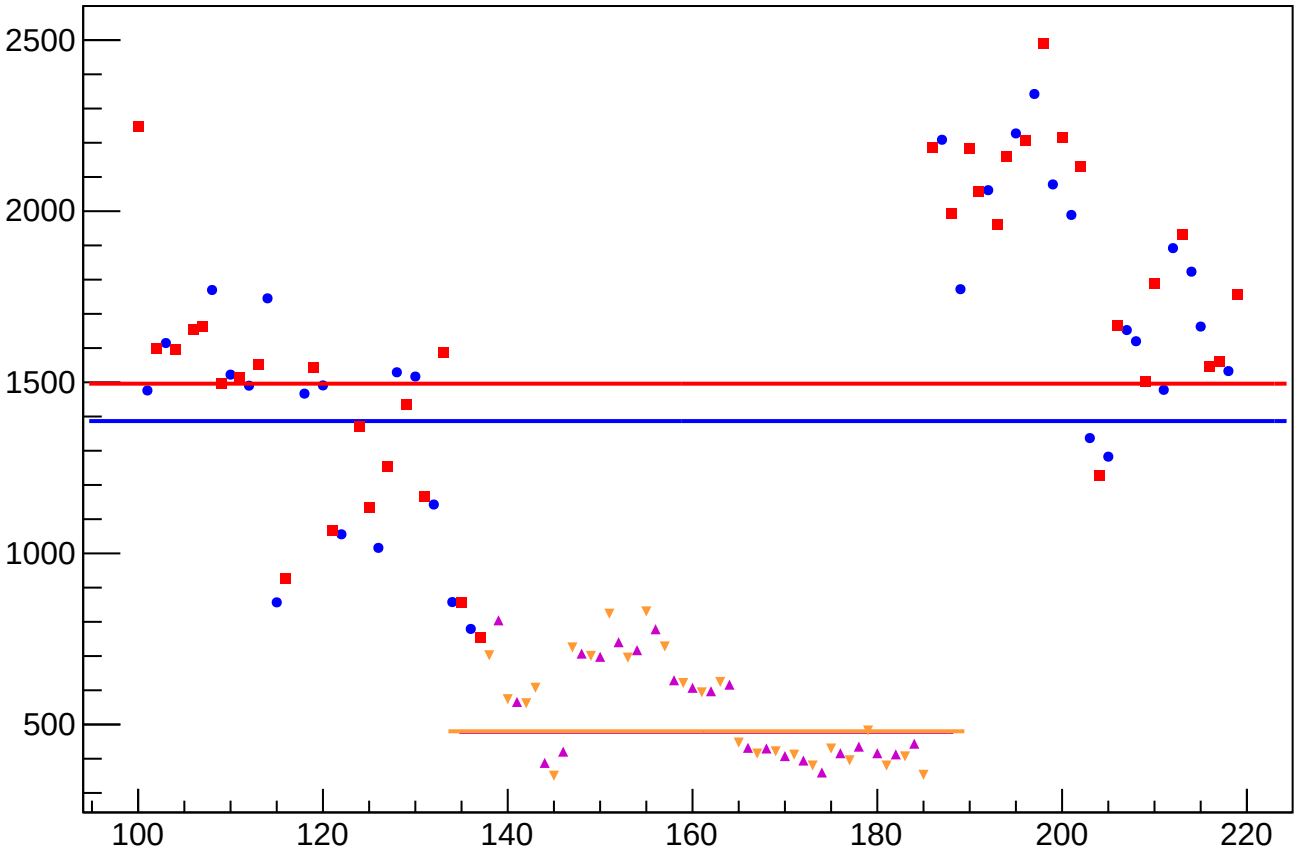
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -87.651+/-233.279 χ^2/NDF: 116.0/68

In: -120.983+/-109.008 χ^2/NDF:93.0/54

Out: -227.065+/-107.515 χ^2/NDF:124.7/61

All: -174.756+/-76.547 χ^2/NDF: 218.2/116



Right In: 1386.710+/-0.229 χ^2/NDF: 3354909.1/31

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1496.001+/-0.238 χ^2/NDF: 3117147.4/36

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

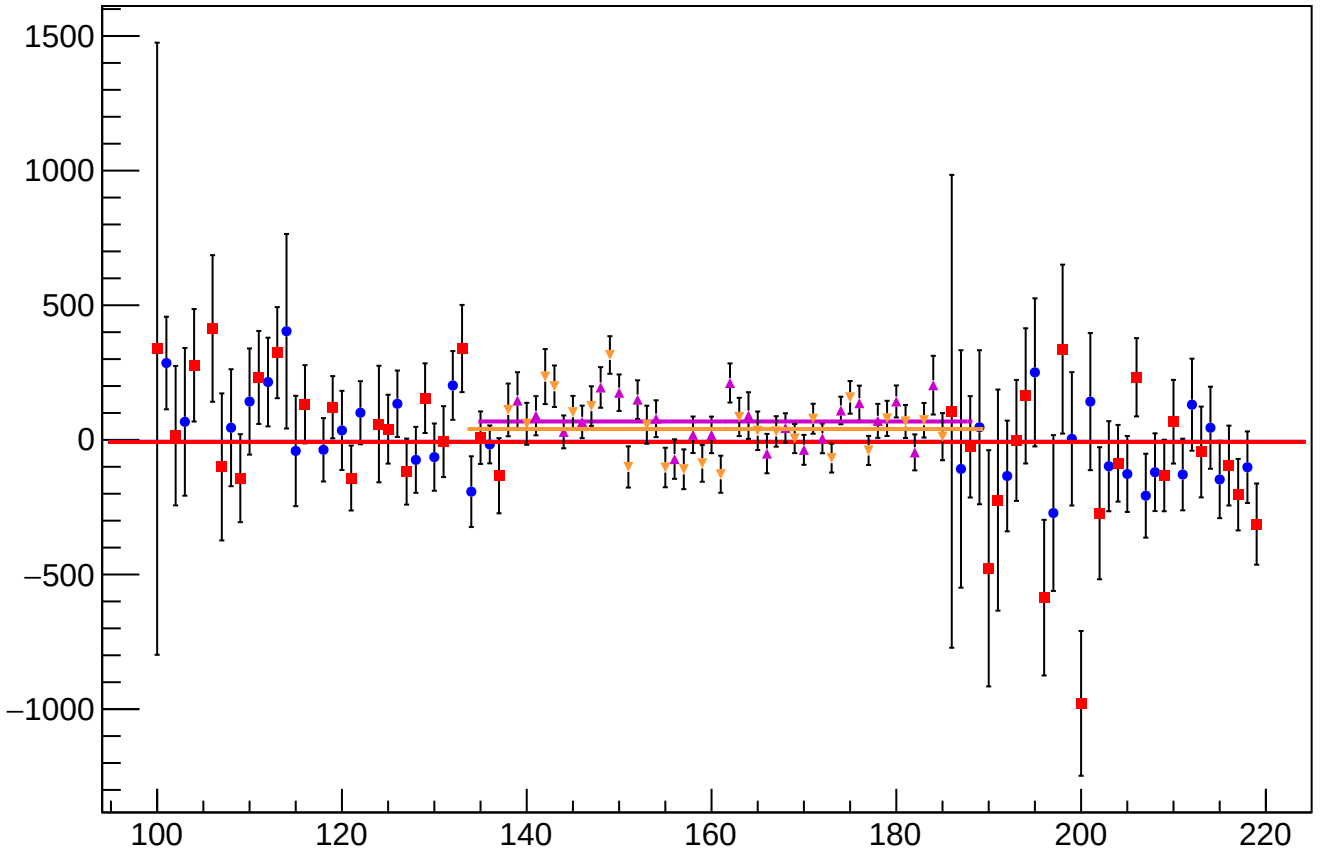
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1439.280+/-0.165 χ^2/NDF: 6581644.7/68

In: 581.054+/-0.077 χ^2/NDF:19533207.9/54

Out: 583.954+/-0.076 χ^2/NDF:22077906.1/61

All: 582.524+/-0.054 χ^2/NDF: 41611831.4/11



Right In: -6.944+/-26.889 χ^2/NDF: 23.1/31

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -7.964+/-27.438 χ^2/NDF: 54.5/36

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

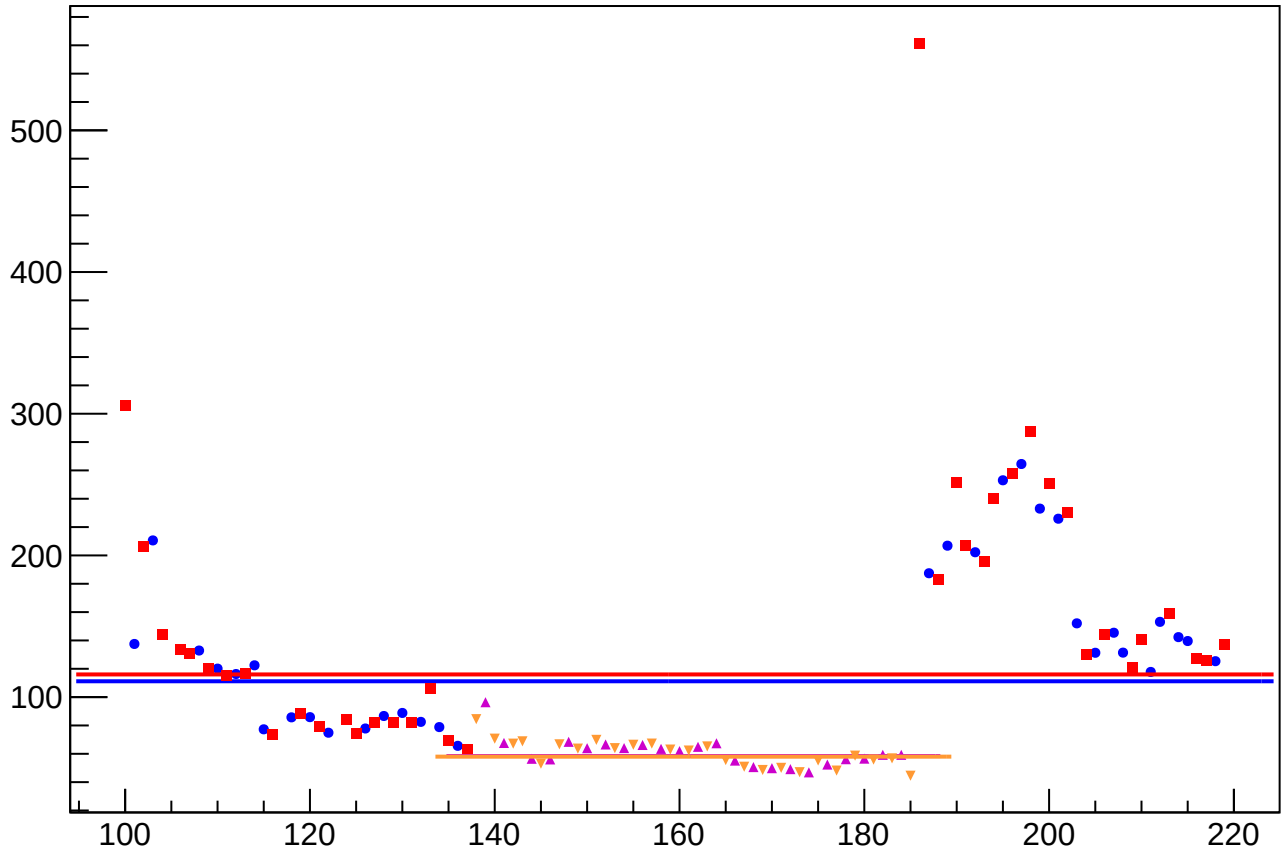
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: -7.444+/-19.205 χ^2/NDF: 77.6/68

In: 52.528+/-12.324 χ^2/NDF:61.0/54

Out: 31.039+/-12.042 χ^2/NDF:116.4/61

All: 41.535+/-8.613 χ^2/NDF: 179.0/116



Right In: 111.183+/-0.019 χ^2/NDF: 5351592.0/31

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 116.012+/-0.019 χ^2/NDF: 6398540.6/36

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

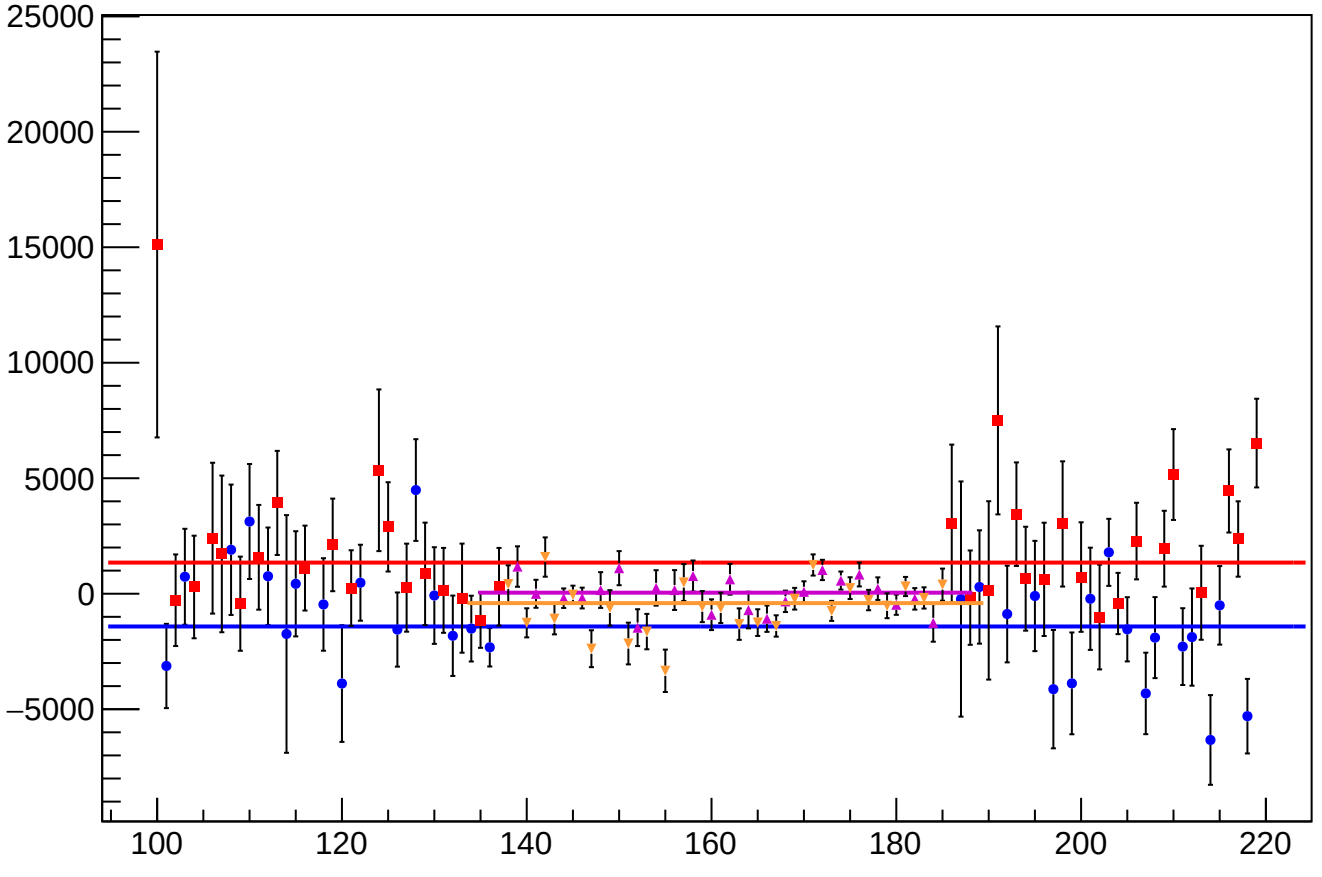
Right: 113.549+/-0.014 χ^2/NDF: 11781734.5/68

In: 69.485+/-0.009 χ^2/NDF:12175254.6/54

Out: 69.171+/-0.009 χ^2/NDF:14425578.2/61

All: 69.324+/-0.006 χ^2/NDF: 26601499.1/116

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1418.328+/-323.815 χ^2/NDF: 43.8/31

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 1348.091+/-336.355 χ^2/NDF: 37.1/36

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

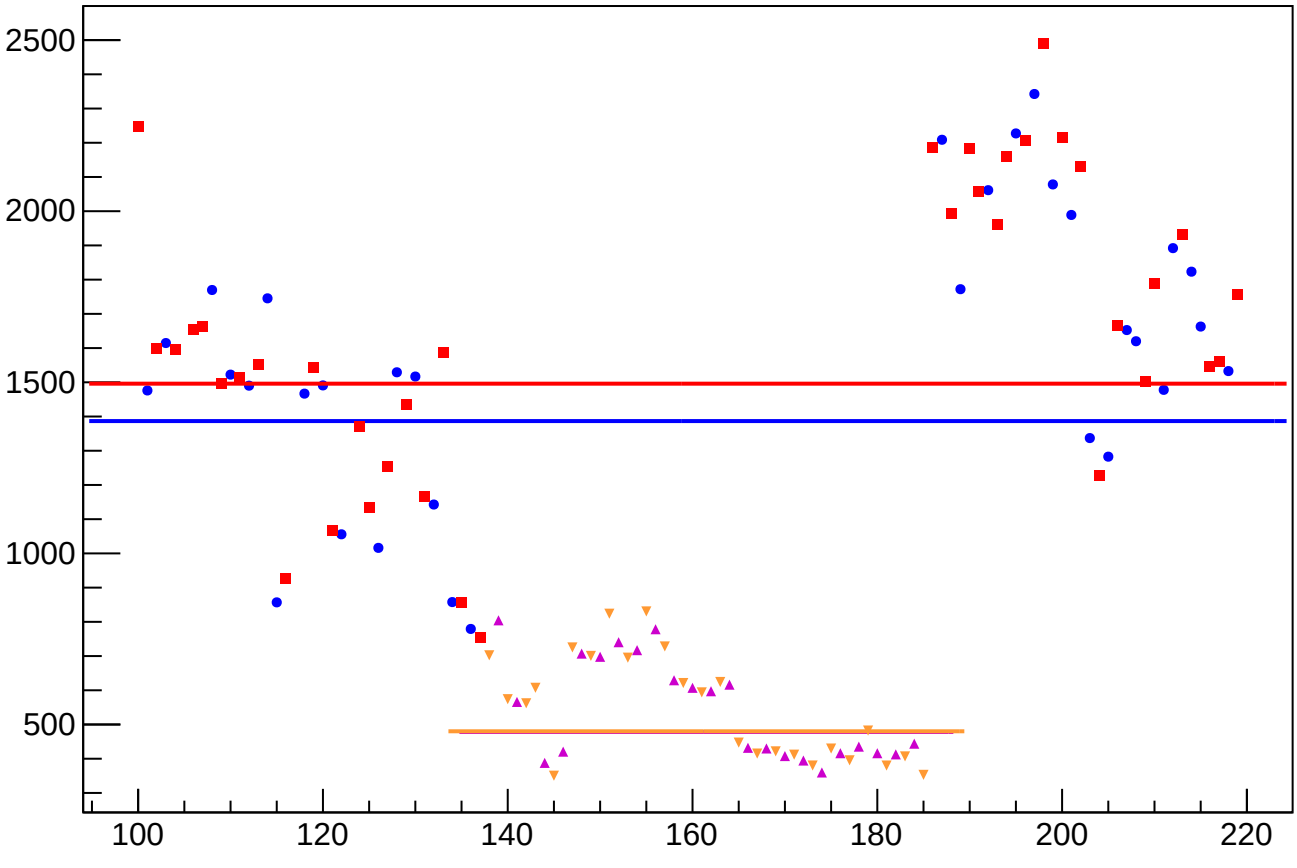
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -87.651+/-233.279 χ^2/NDF: 116.0/68

In: -120.983+/-109.008 χ^2/NDF:93.0/54

Out: -227.065+/-107.515 χ^2/NDF:124.7/61

All: -174.756+/-76.547 χ^2/NDF: 218.2/116



Right In: 1386.710+/-0.229 χ^2/NDF: 3354909.1/31

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1496.001+/-0.238 χ^2/NDF: 3117147.4/36

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

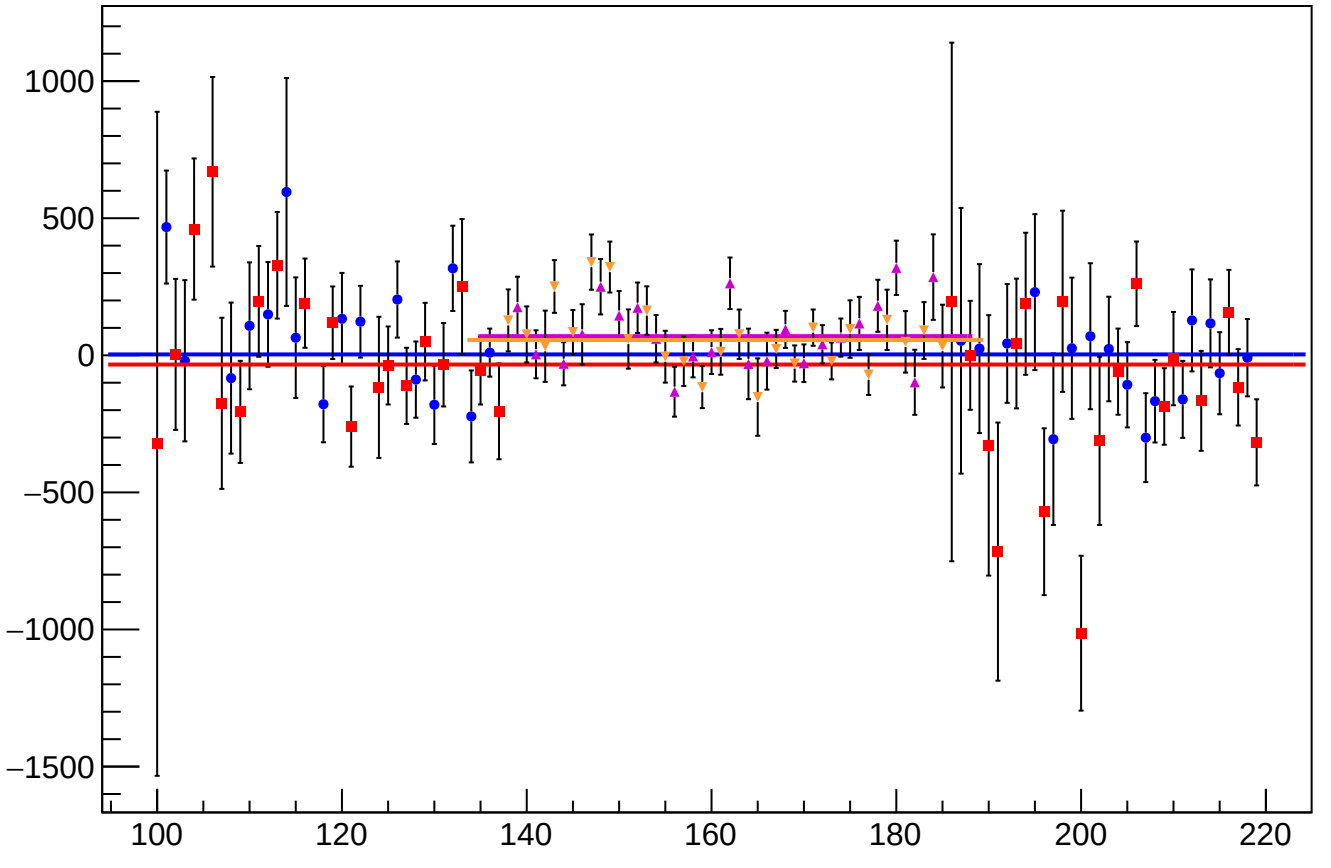
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1439.280+/-0.165 χ^2/NDF: 6581644.7/68

In: 581.054+/-0.077 χ^2/NDF:19533207.9/54

Out: 583.954+/-0.076 χ^2/NDF:22077906.1/61

All: 582.524+/-0.054 χ^2/NDF: 41611831.4/1



Right In: 3.243+/-30.445 χ^2/NDF: 30.9/31

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: -33.630+/-31.062 χ^2/NDF: 52.8/36

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

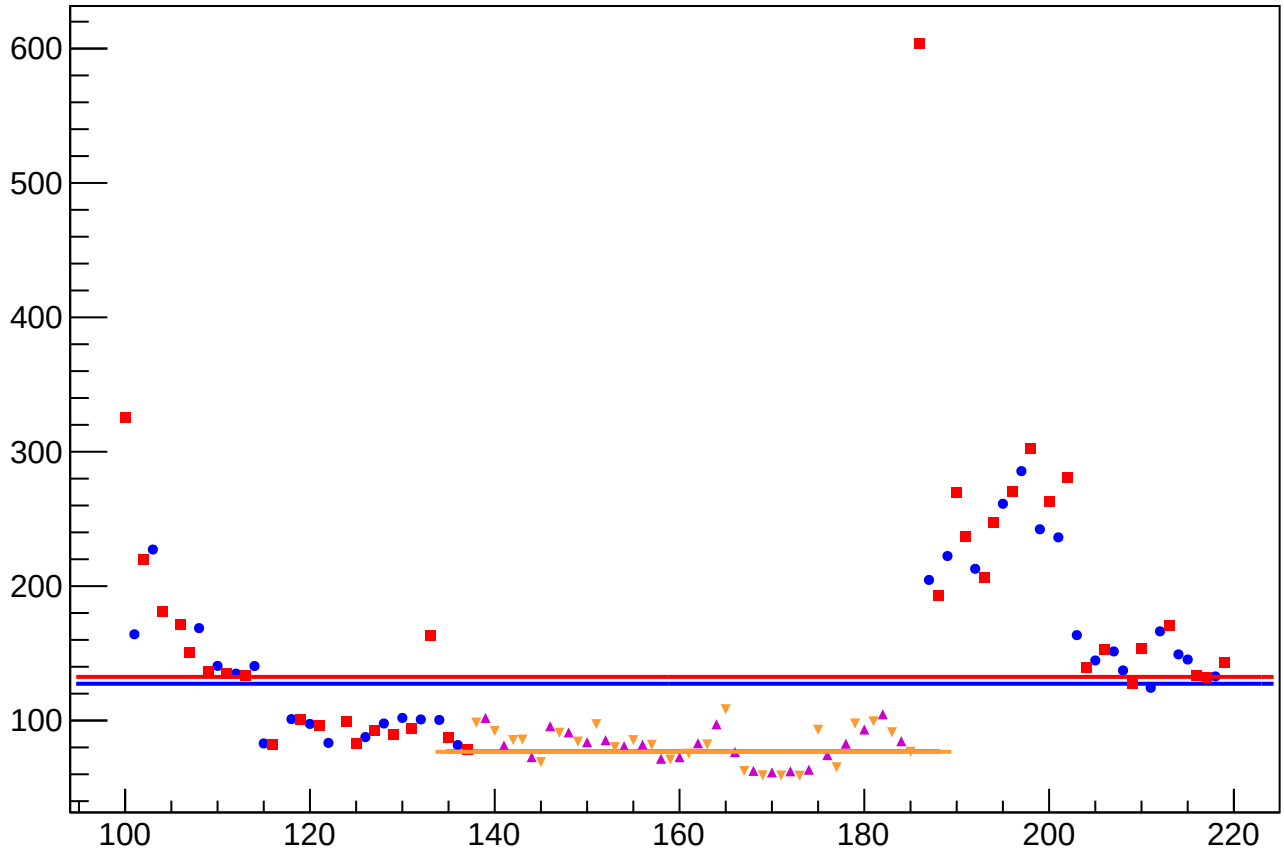
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: -14.823+/-21.743 χ^2/NDF: 84.4/68

In: 51.888+/-15.808 χ^2/NDF:68.9/54

Out: 33.525+/-15.541 χ^2/NDF:97.4/61

All: 42.550+/-11.082 χ^2/NDF: 166.9/116



Right In: 127.370+/-0.022 χ^2/NDF: 4313603.9/31

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 132.460+/-0.022 χ^2/NDF: 5570721.0/36

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

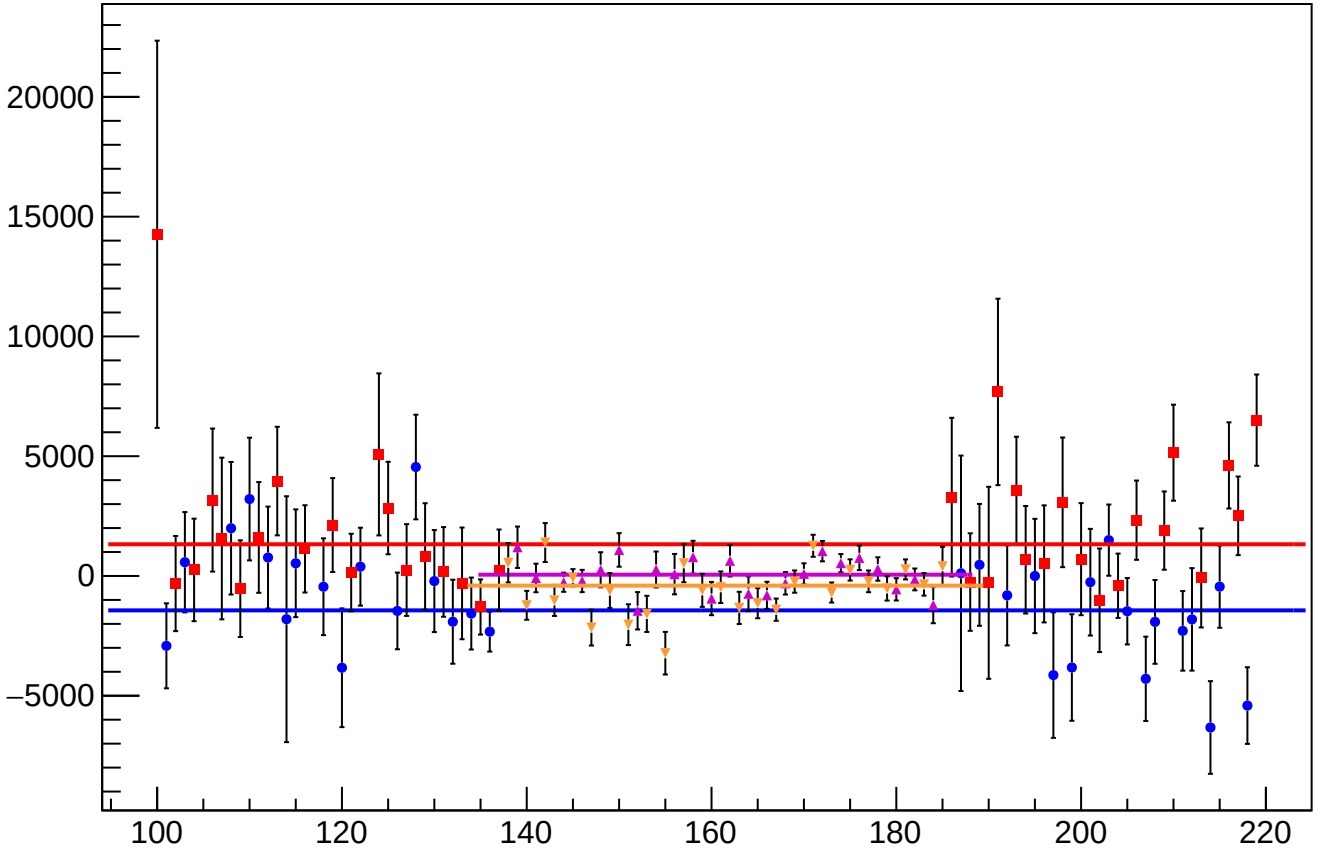
Right: 129.864+/-0.015 χ^2/NDF: 9911714.5/68

In: 90.593+/-0.011 χ^2/NDF:9168357.3/54

Out: 90.691+/-0.011 χ^2/NDF:11629425.6/61

All: 90.643+/-0.008 χ^2/NDF: 20797821.9/116

asym_sam_3726_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1436.161+/-325.256 χ^2/NDF: 43.2/31

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 1323.769+/-334.213 χ^2/NDF: 39.6/36

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

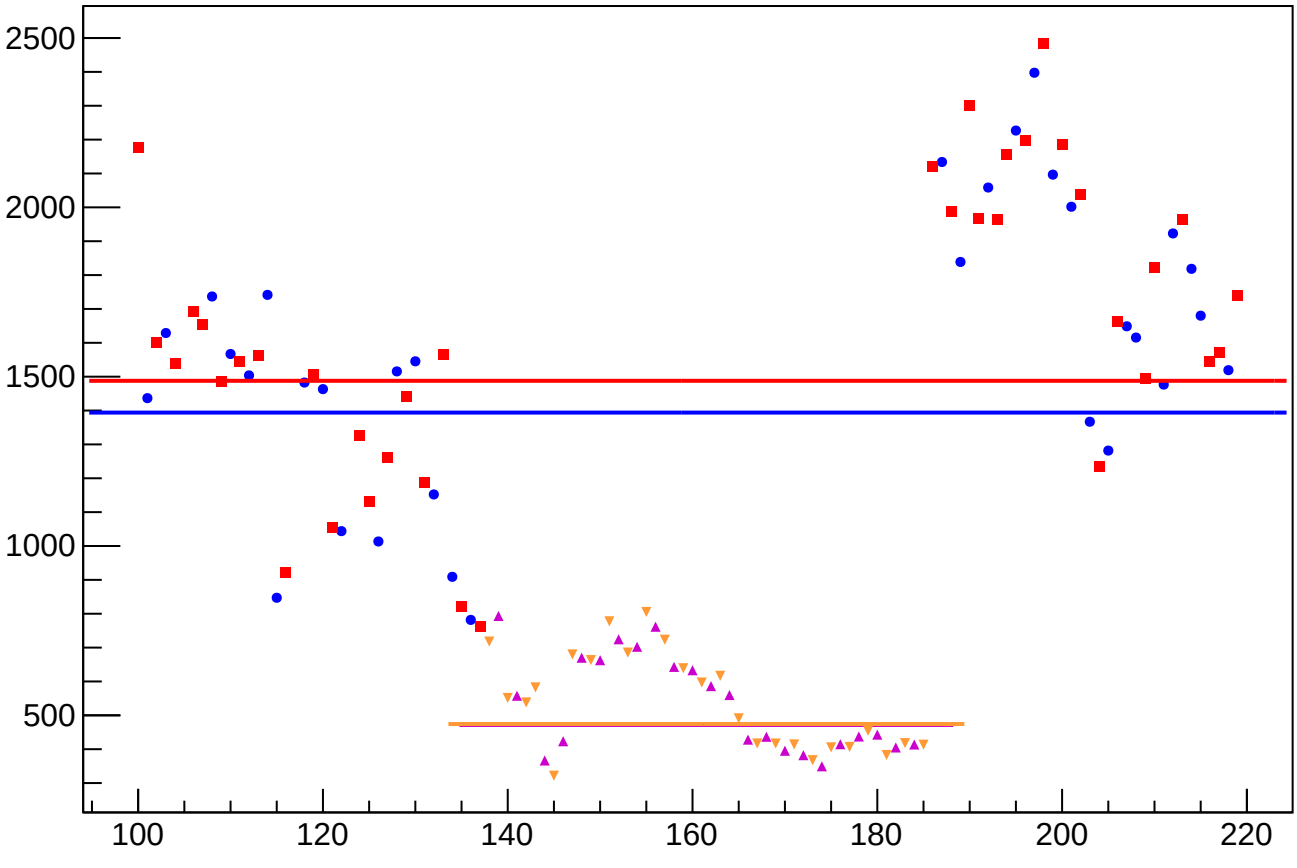
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -93.675+/-233.093 χ^2/NDF: 117.8/68

In: -109.430+/-107.771 χ^2/NDF:92.5/54

Out: -229.630+/-106.002 χ^2/NDF:124.4/61

All: -170.525+/-75.572 χ^2/NDF: 217.6/116



Right In: 1393.959+/-0.230 χ^2/NDF: 3326421.6/31

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1487.817+/-0.236 χ^2/NDF: 3185737.0/36

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

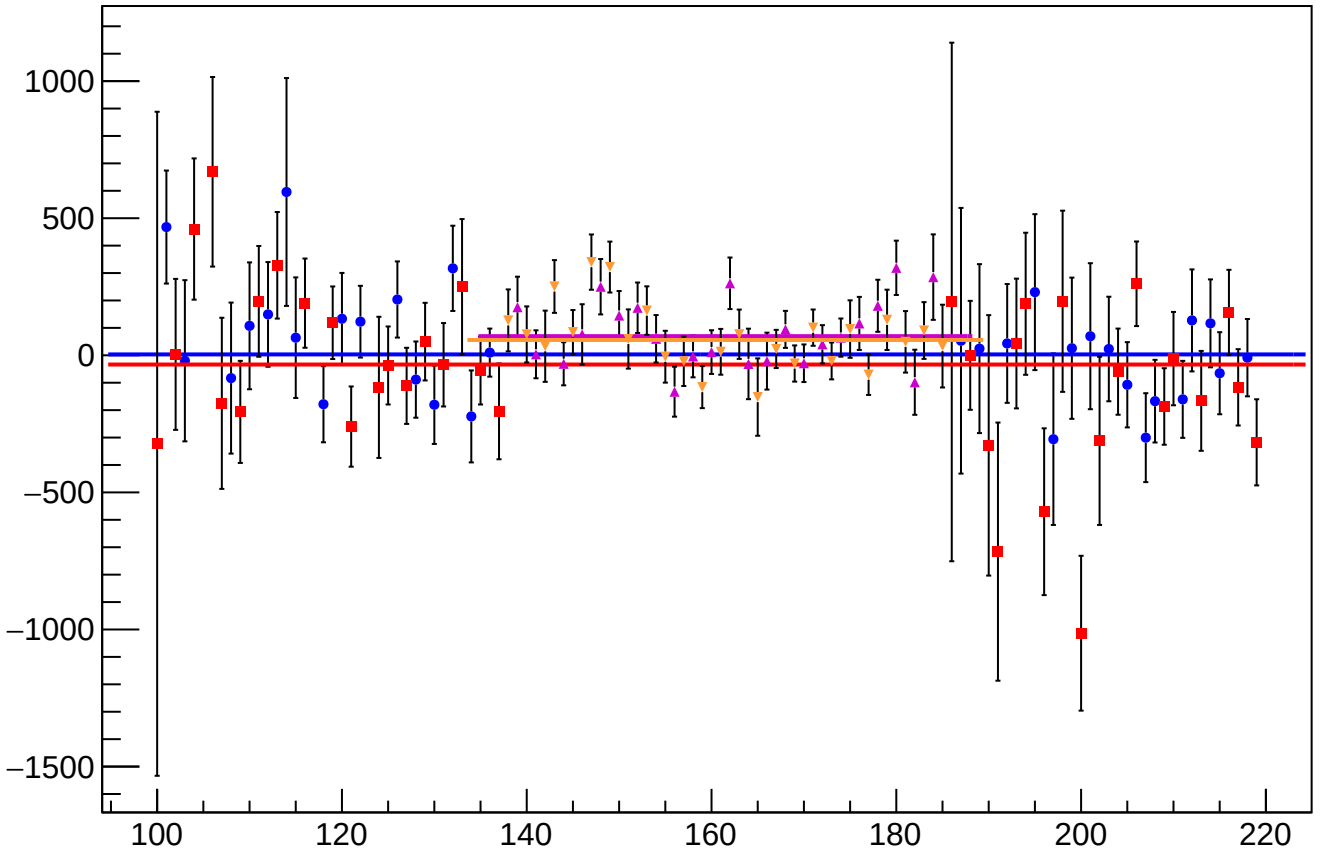
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1439.614+/-0.165 χ^2/NDF: 6593167.1/68

In: 572.735+/-0.076 χ^2/NDF:19857964.7/54

Out: 576.251+/-0.075 χ^2/NDF:22267407.5/61

All: 574.522+/-0.053 χ^2/NDF: 42126454.1/11



Right In: 3.245+/-30.444 χ^2/NDF: 30.9/31

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -33.633+/-31.062 χ^2/NDF: 52.8/36

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

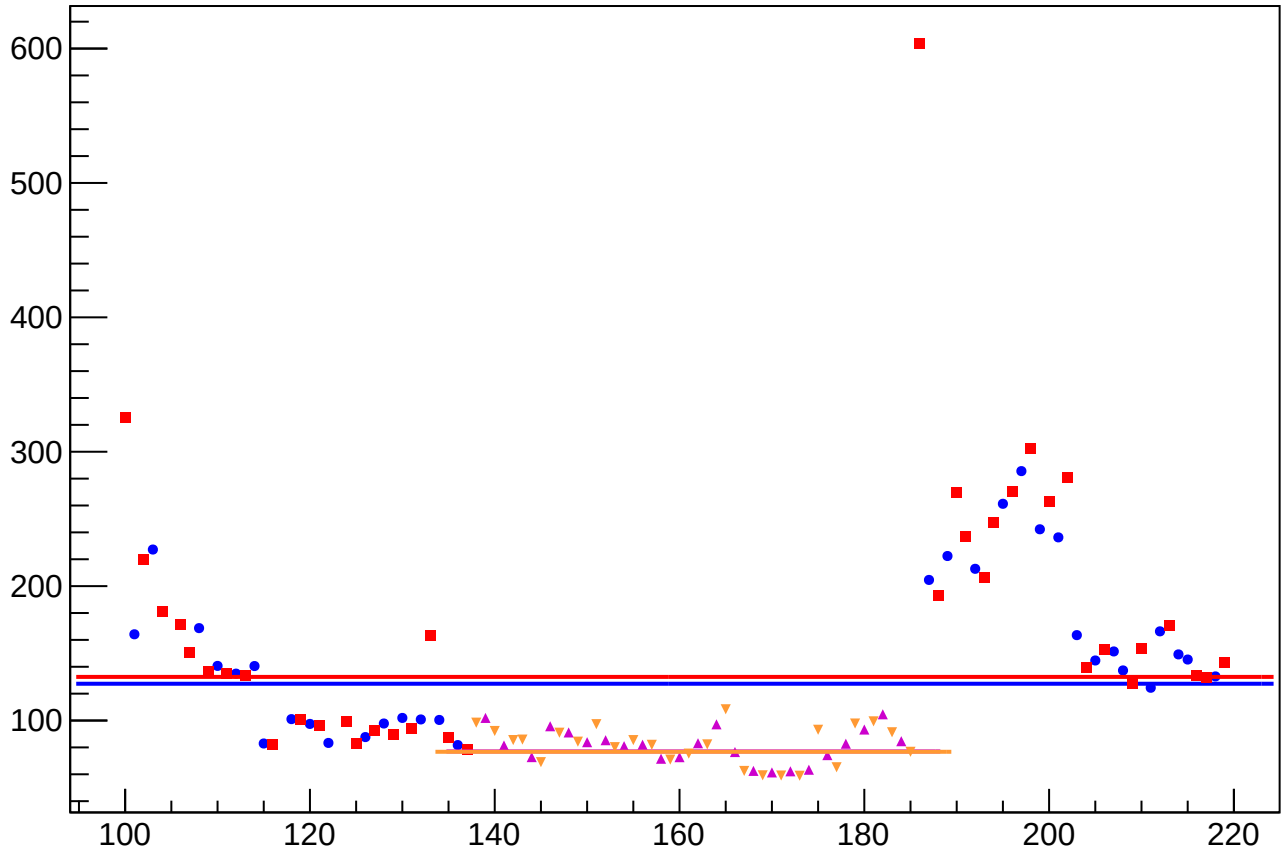
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: -14.824+/-21.743 χ^2/NDF: 84.4/68

In: 51.888+/-15.808 χ^2/NDF:68.9/54

Out: 33.523+/-15.541 χ^2/NDF:97.4/61

All: 42.549+/-11.082 χ^2/NDF: 166.9/116



Right In: 127.370+/-0.022 χ^2/NDF: 4313617.2/31

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 132.460+/-0.022 χ^2/NDF: 5570732.2/36

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

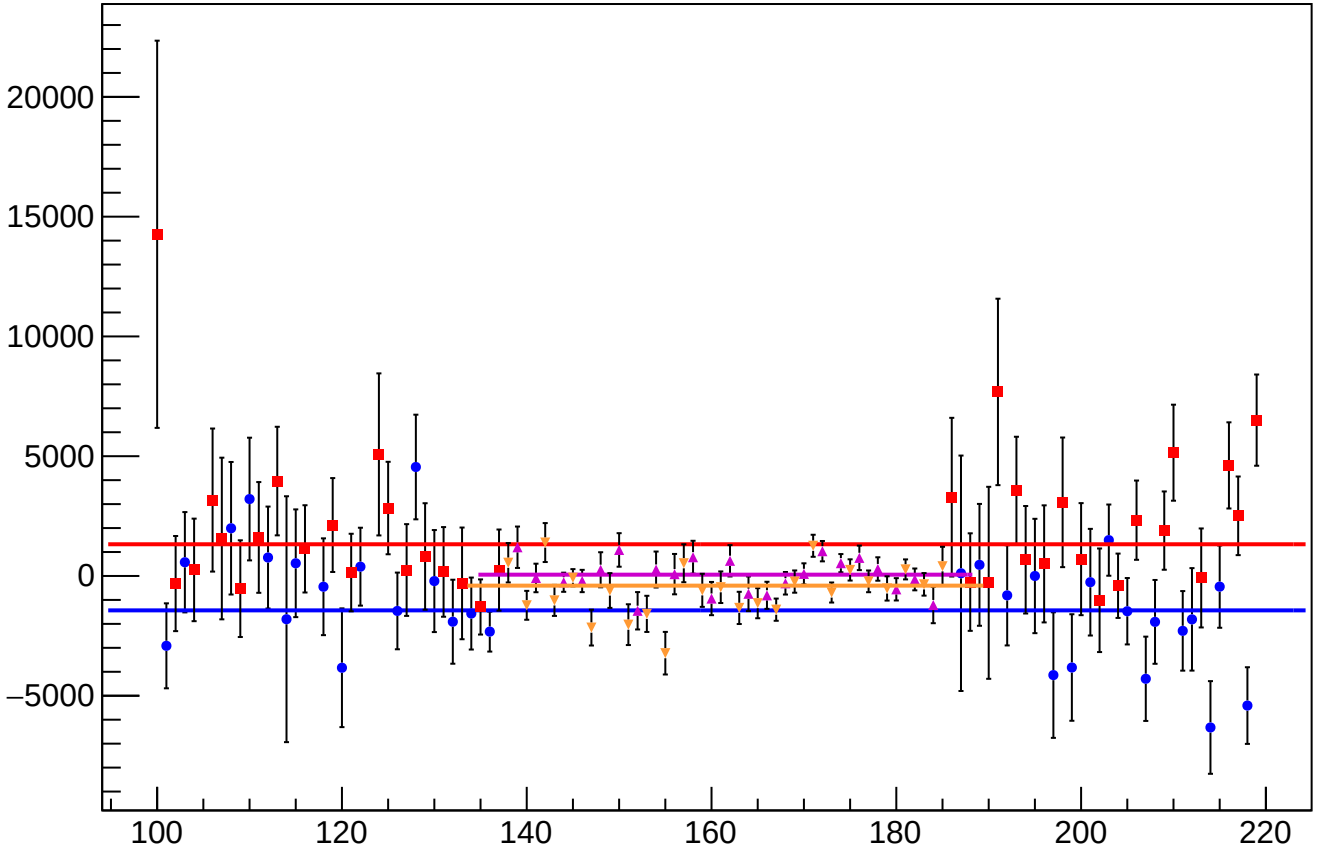
Right: 129.864+/-0.015 χ^2/NDF: 9911740.1/68

In: 90.593+/-0.011 χ^2/NDF:9168286.1/54

Out: 90.691+/-0.011 χ^2/NDF:11629369.7/61

All: 90.643+/-0.008 χ^2/NDF: 20797694.8/116

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1436.158+/-325.255 χ^2/NDF: 43.2/31

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 1323.768+/-334.212 χ^2/NDF: 39.6/36

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

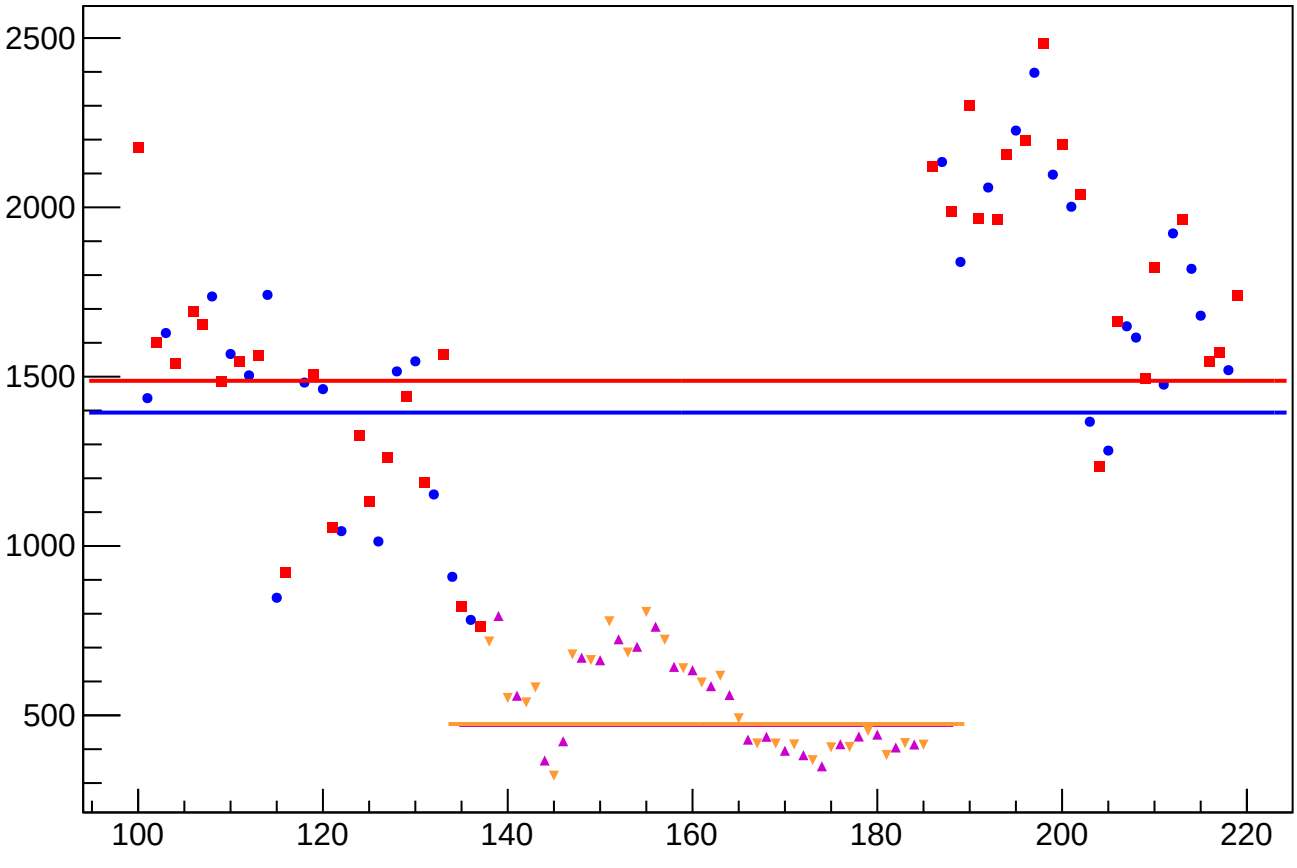
Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

Right: -93.674+/-233.093 χ^2/NDF: 117.8/68

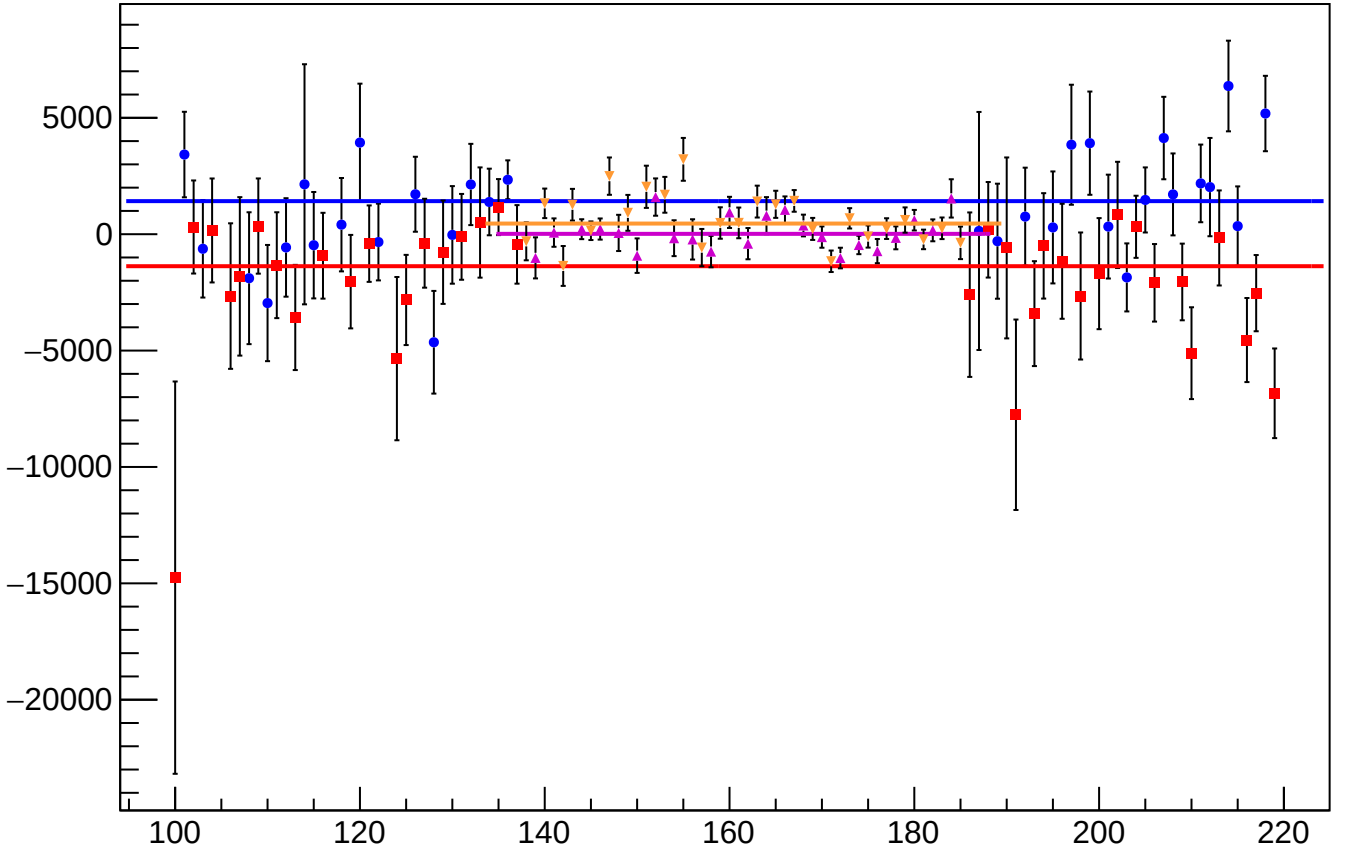
In: -109.430+/-107.771 χ^2/NDF:92.5/54

Out: -229.630+/-106.002 χ^2/NDF:124.4/61

All: -170.524+/-75.572 χ^2/NDF: 217.6/116


asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1393.958+/-0.230 χ²/NDF: 3326413.9/31
Left Out: 474.294+/-0.079 χ²/NDF:2538999.2/24
Right Out: 1487.816+/-0.236 χ²/NDF: 3185733.6/36
Left In: 471.456+/-0.081 χ²/NDF:2209338.4/22
Left: 472.905+/-0.056 χ²/NDF: 4748968.3/47
Right: 1439.613+/-0.165 χ²/NDF: 6593155.7/68
In: 572.735+/-0.076 χ²/NDF:19857950.2/54
Out: 576.251+/-0.075 χ²/NDF:22267406.7/61
All: 574.522+/-0.053 χ²/NDF: 42126438.6/11

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 1420.830+/-325.254 χ^2/NDF: 43.2/31

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -1374.589+/-337.641 χ^2/NDF: 37.0/36

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

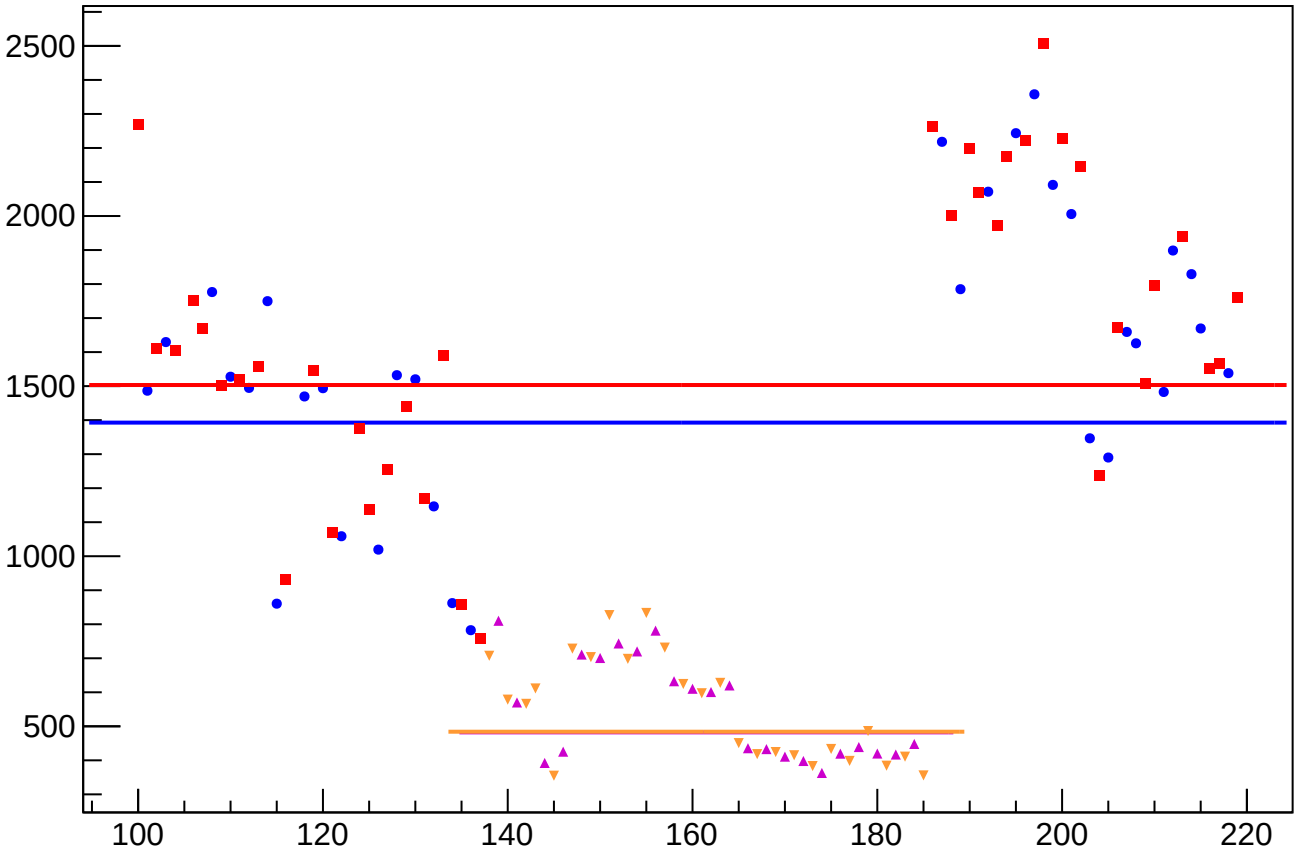
Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

Right: 75.341+/-234.246 χ^2/NDF: 115.7/68

In: 175.420+/-109.844 χ^2/NDF:90.0/54

Out: 268.788+/-108.308 χ^2/NDF:122.8/61

All: 222.761+/-77.123 χ^2/NDF: 213.1/116



Right In: 1392.722+/-0.230 χ^2/NDF: 3363714.3/31

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1503.225+/-0.239 χ^2/NDF: 3153572.1/36

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

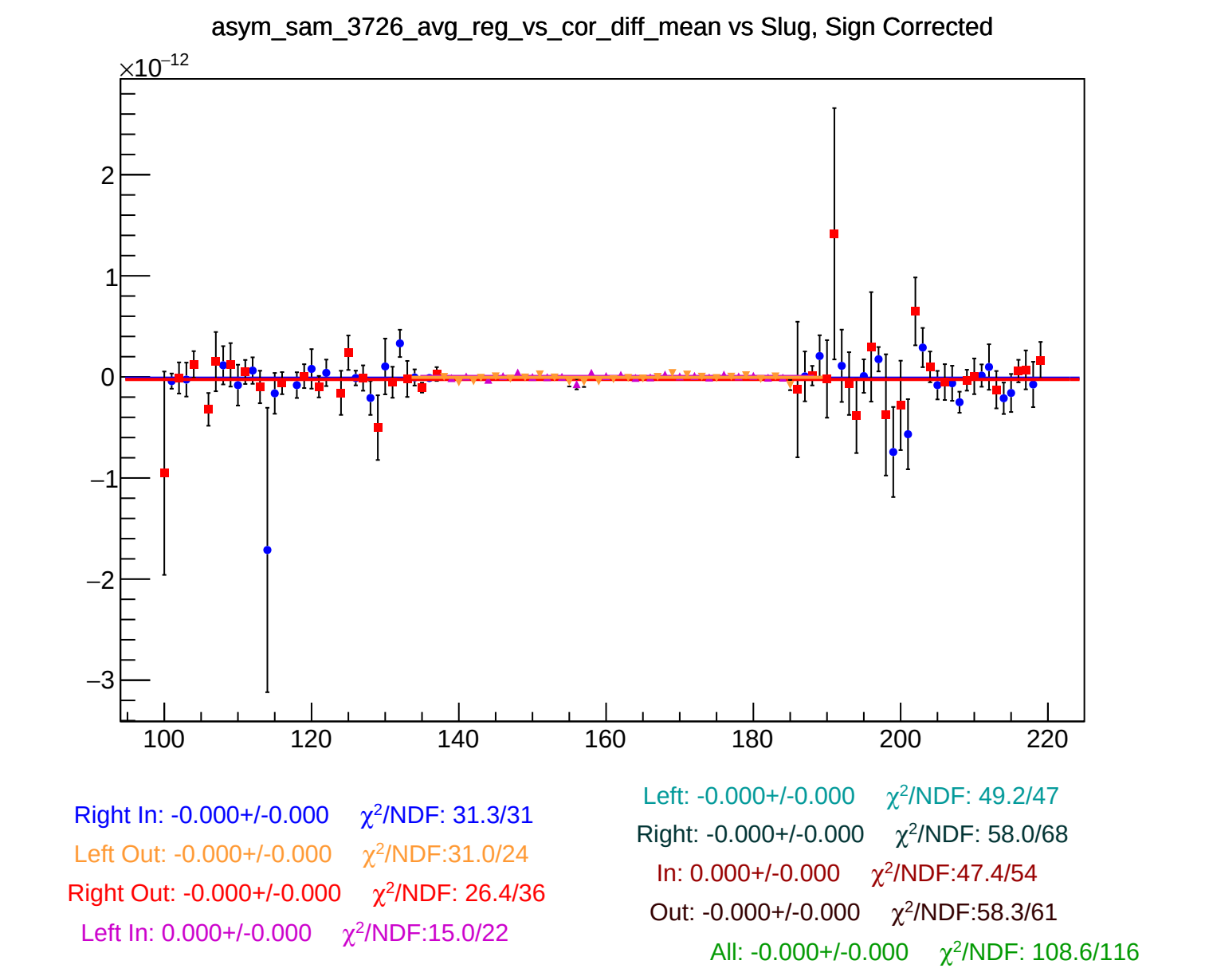
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

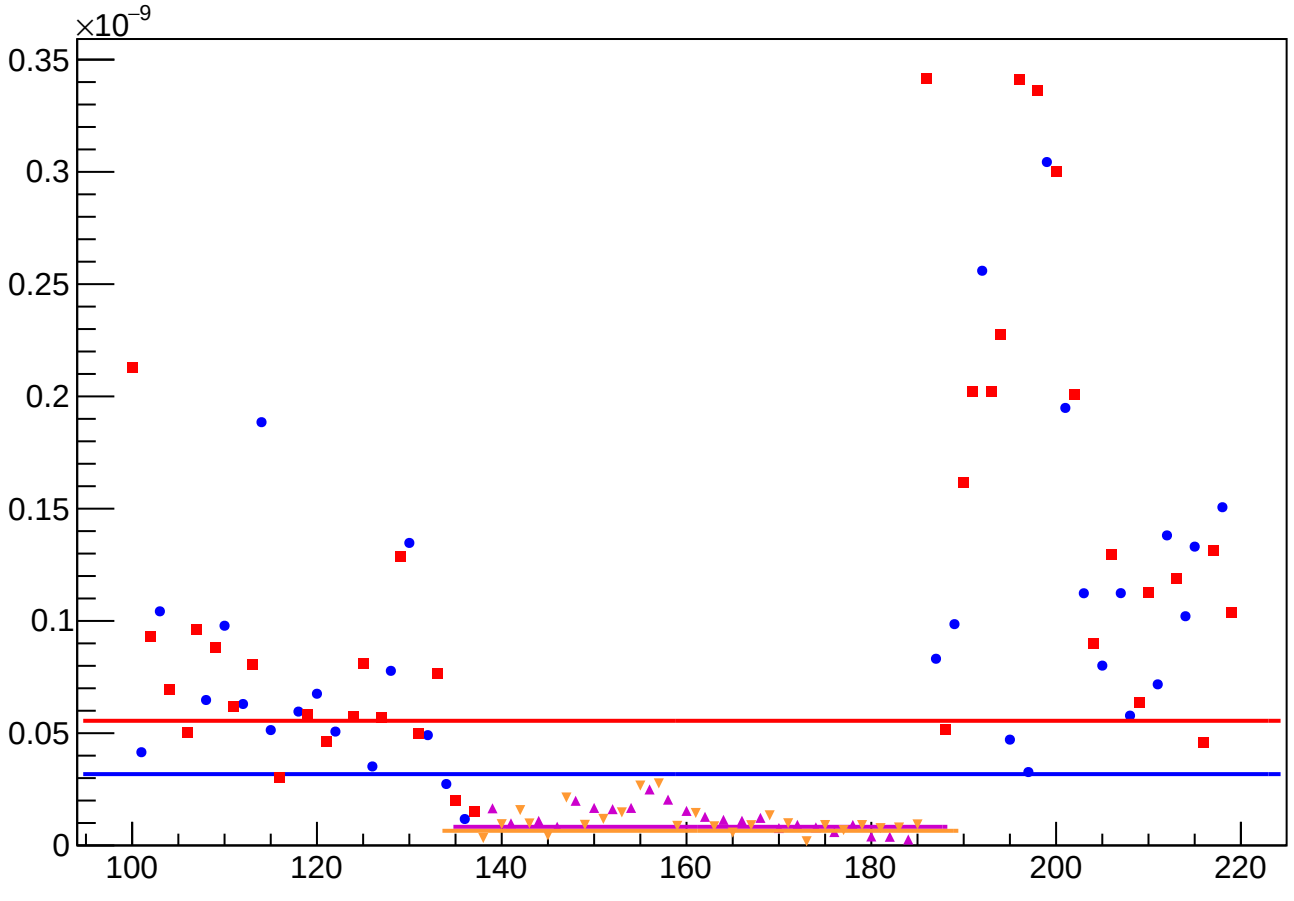
Right: 1445.909+/-0.166 χ^2/NDF: 6628398.0/68

In: 586.013+/-0.078 χ^2/NDF:19437529.8/54

Out: 588.992+/-0.077 χ^2/NDF:22047266.7/61

All: 587.524+/-0.055 χ^2/NDF: 41485542.6/11


asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 31.3/31
Left Out: -0.000+/-0.000 χ²/NDF:31.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 26.4/36
Left In: 0.000+/-0.000 χ²/NDF:15.0/22
Left: -0.000+/-0.000 χ²/NDF: 49.2/47
Right: -0.000+/-0.000 χ²/NDF: 58.0/68
In: 0.000+/-0.000 χ²/NDF:47.4/54
Out: -0.000+/-0.000 χ²/NDF:58.3/61
All: -0.000+/-0.000 χ²/NDF: 108.6/116



Right In: 0.000+/-0.000 χ^2/NDF: 9108617.4/31

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7180253.9/36

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

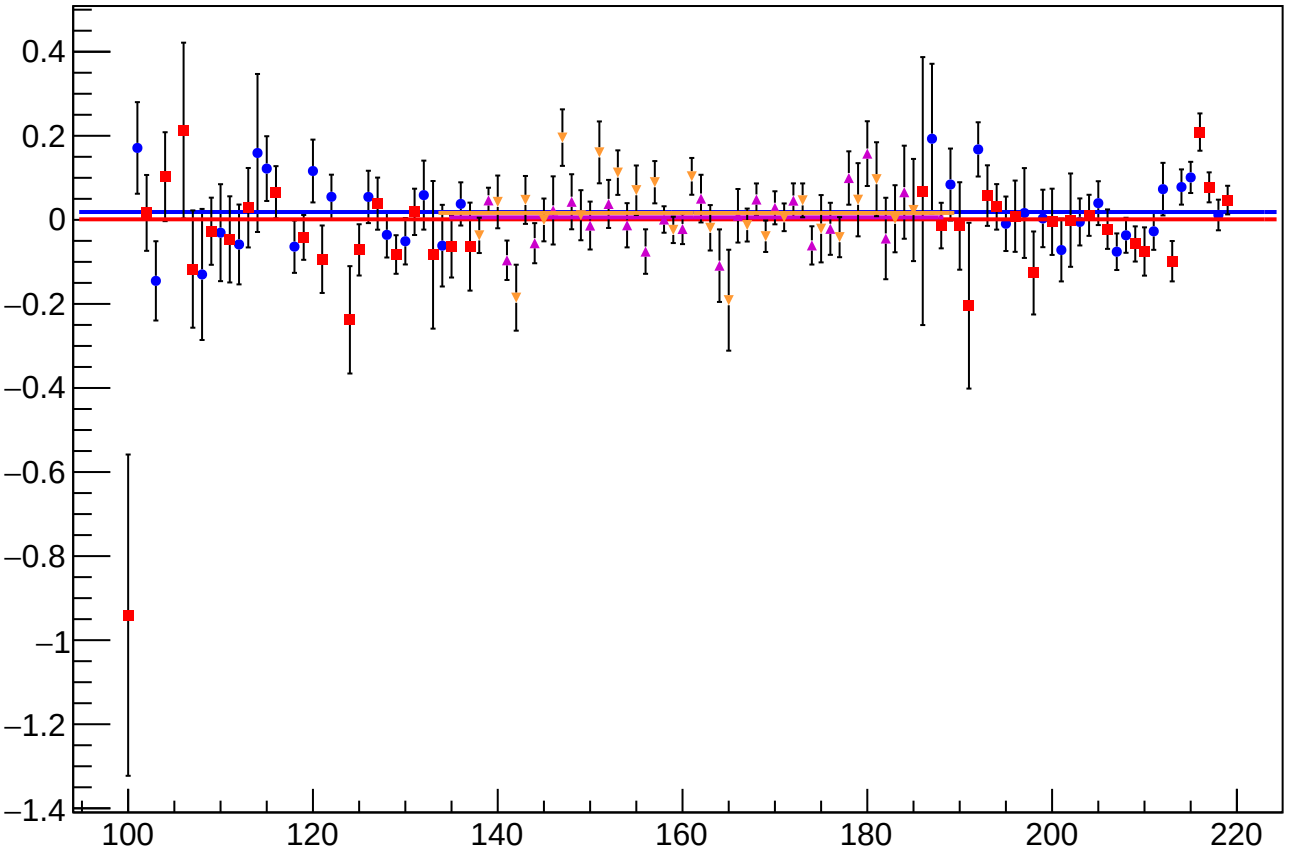
Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

Right: 0.000+/-0.000 χ^2/NDF: 17721565.6/68

In: 0.000+/-0.000 χ^2/NDF:15961456.7/54

Out: 0.000+/-0.000 χ^2/NDF:19810196.0/61

All: 0.000+/-0.000 χ^2/NDF: 36147543.6/116



Right In: 0.019+/-0.011 χ^2/NDF: 41.2/31

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.001+/-0.011 χ^2/NDF: 62.8/36

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

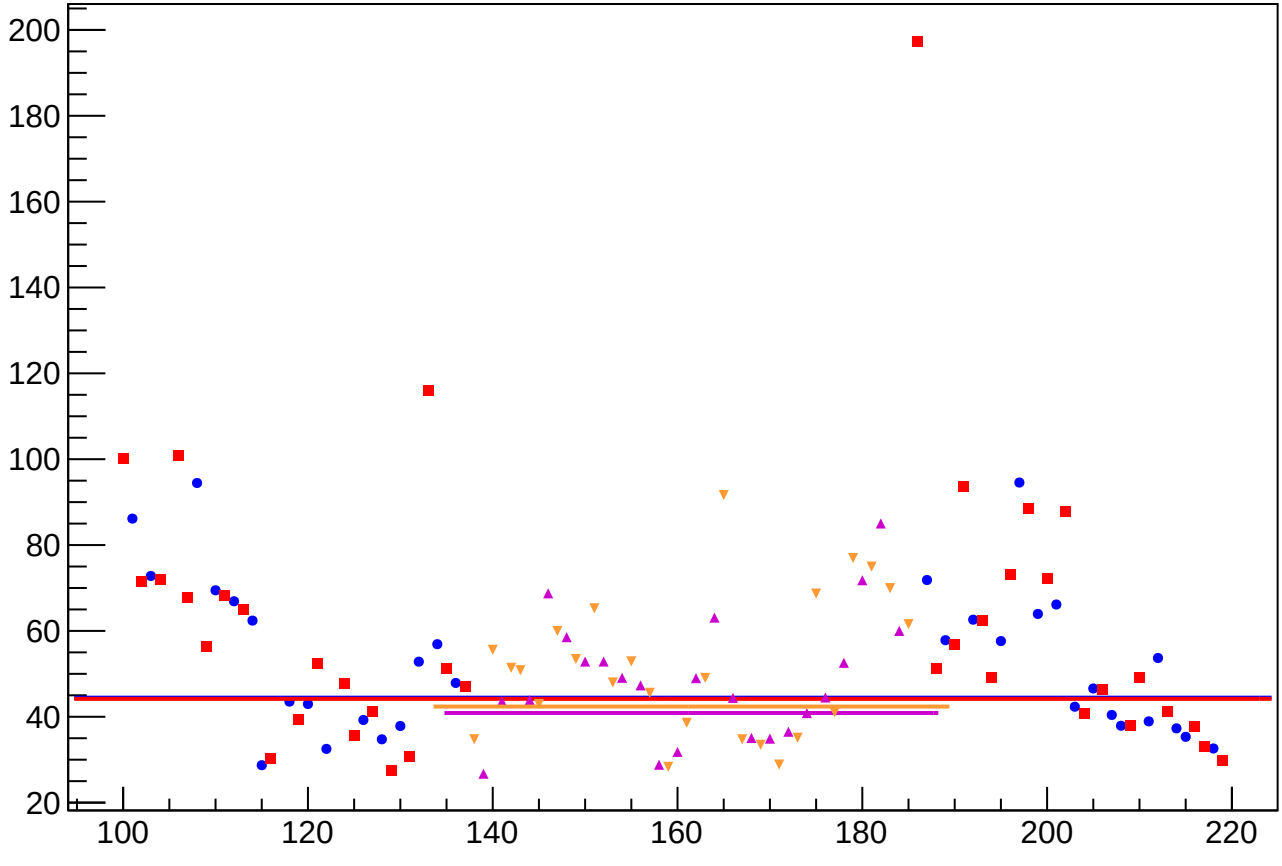
Right: 0.010+/-0.008 χ^2/NDF: 105.4/68

In: 0.012+/-0.007 χ^2/NDF:67.9/54

Out: 0.009+/-0.007 χ^2/NDF:105.0/61

All: 0.011+/-0.005 χ^2/NDF: 172.9/116

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.448+/-0.008 χ^2/NDF: 2907158.7/31

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 44.177+/-0.007 χ^2/NDF: 4403698.7/36

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

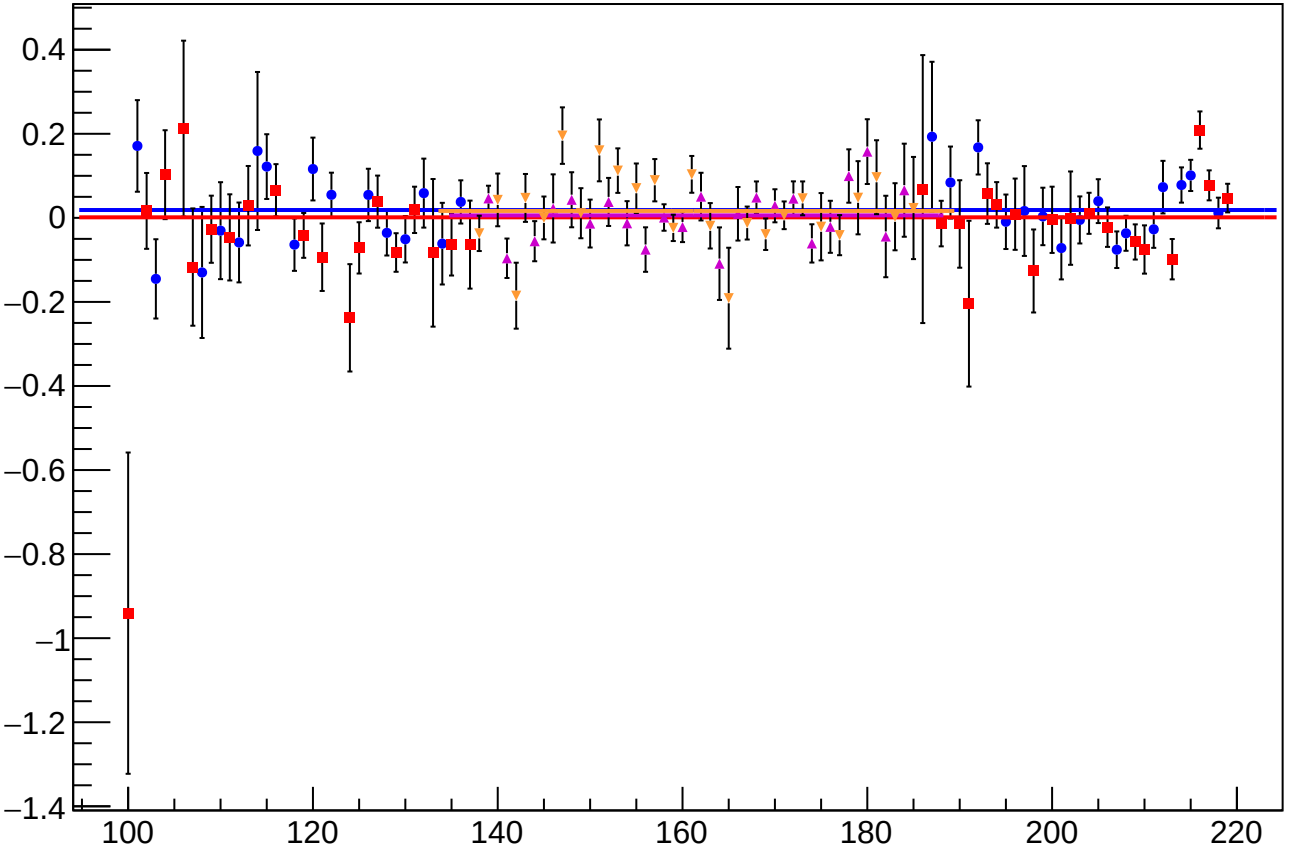
Right: 44.311+/-0.005 χ^2/NDF: 7311508.1/68

In: 42.592+/-0.005 χ^2/NDF:5700955.0/54

Out: 43.257+/-0.005 χ^2/NDF:7624349.2/61

All: 42.925+/-0.004 χ^2/NDF: 13333370.1/116

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.011 χ^2/NDF: 41.2/31

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.001+/-0.011 χ^2/NDF: 62.8/36

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

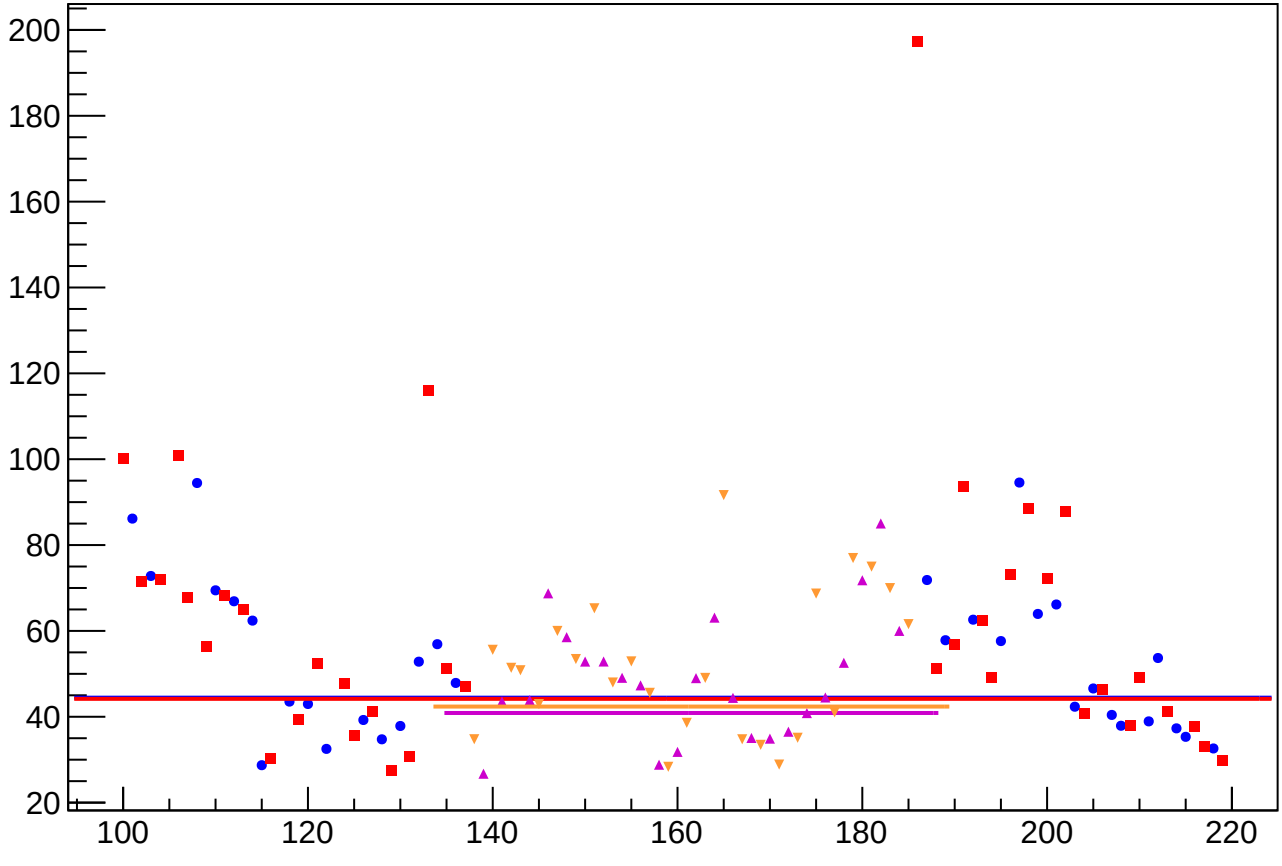
Right: 0.010+/-0.008 χ^2/NDF: 105.4/68

In: 0.012+/-0.007 χ^2/NDF:67.9/54

Out: 0.009+/-0.007 χ^2/NDF:105.0/61

All: 0.011+/-0.005 χ^2/NDF: 172.9/116

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.448+/-0.008 χ^2/NDF: 2907158.7/31

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 44.177+/-0.007 χ^2/NDF: 4403698.7/36

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

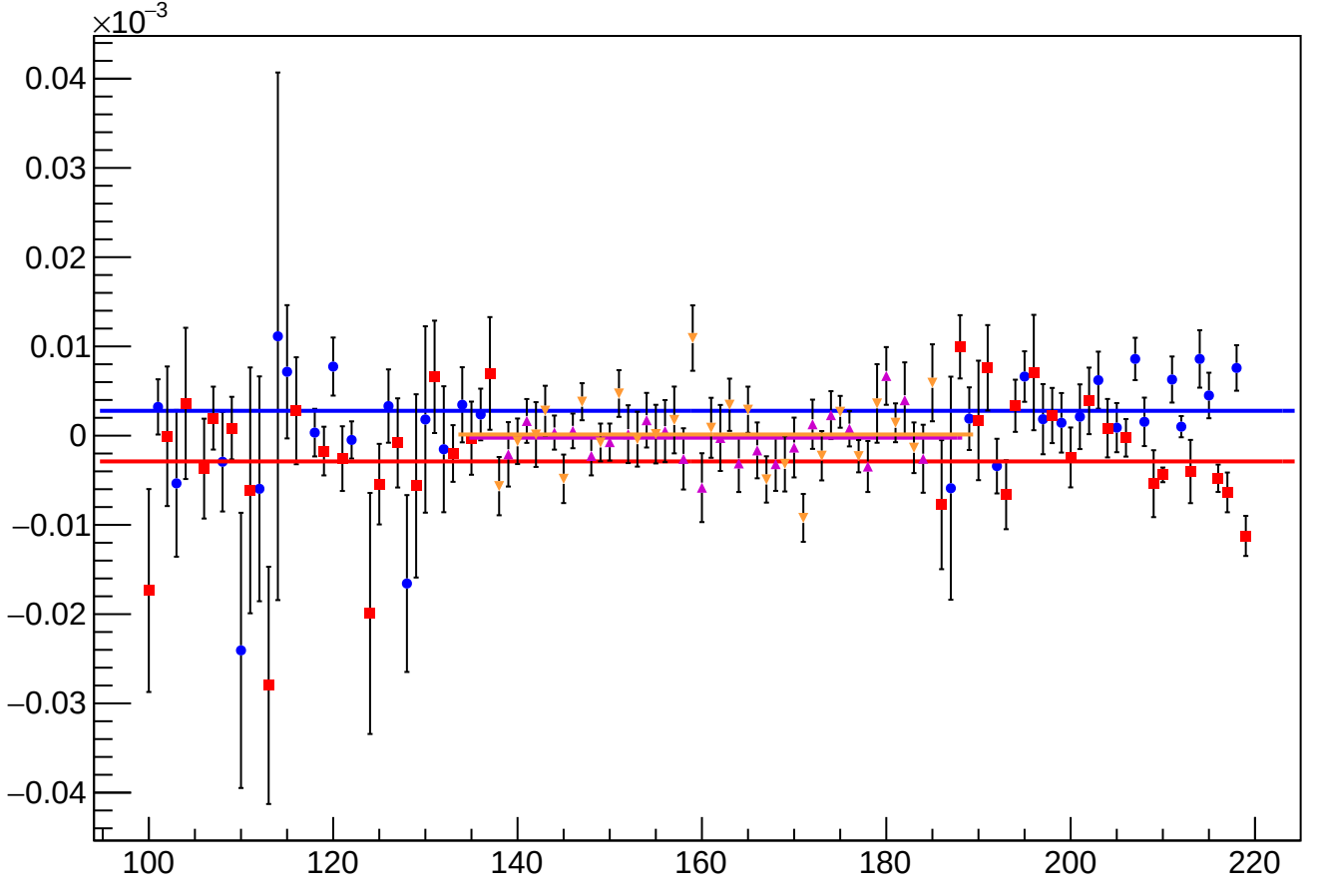
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 44.311+/-0.005 χ^2/NDF: 7311508.1/68

In: 42.592+/-0.005 χ^2/NDF:5700955.0/54

Out: 43.257+/-0.005 χ^2/NDF:7624349.2/61

All: 42.925+/-0.004 χ^2/NDF: 13333370.1/116



Right In: 0.000+/-0.000 χ^2/NDF: 41.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 74.8/36

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

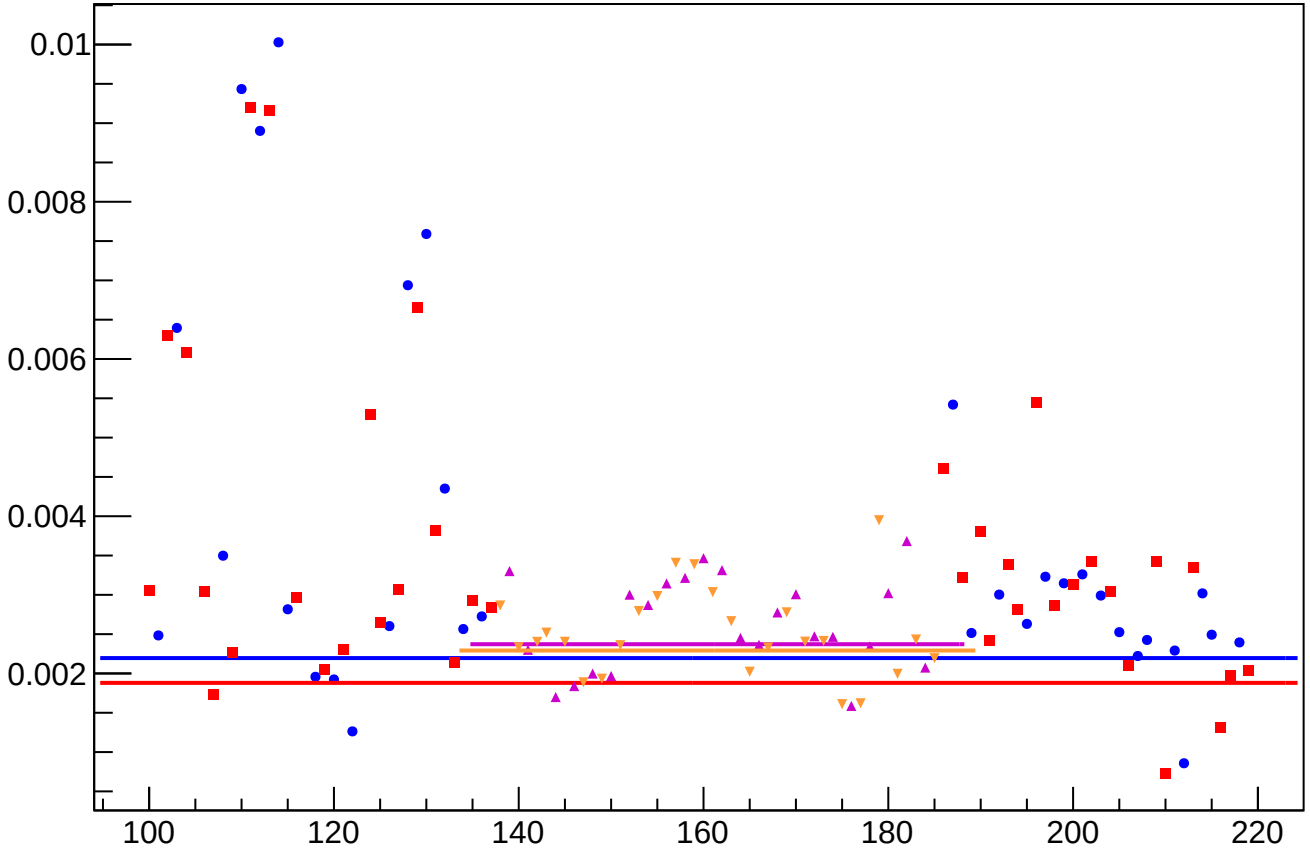
Right: -0.000+/-0.000 χ^2/NDF: 175.8/68

In: 0.000+/-0.000 χ^2/NDF:71.8/54

Out: -0.000+/-0.000 χ^2/NDF:142.0/61

All: -0.000+/-0.000 χ^2/NDF: 242.3/116

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7214155.9/31

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11554085.0/36

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

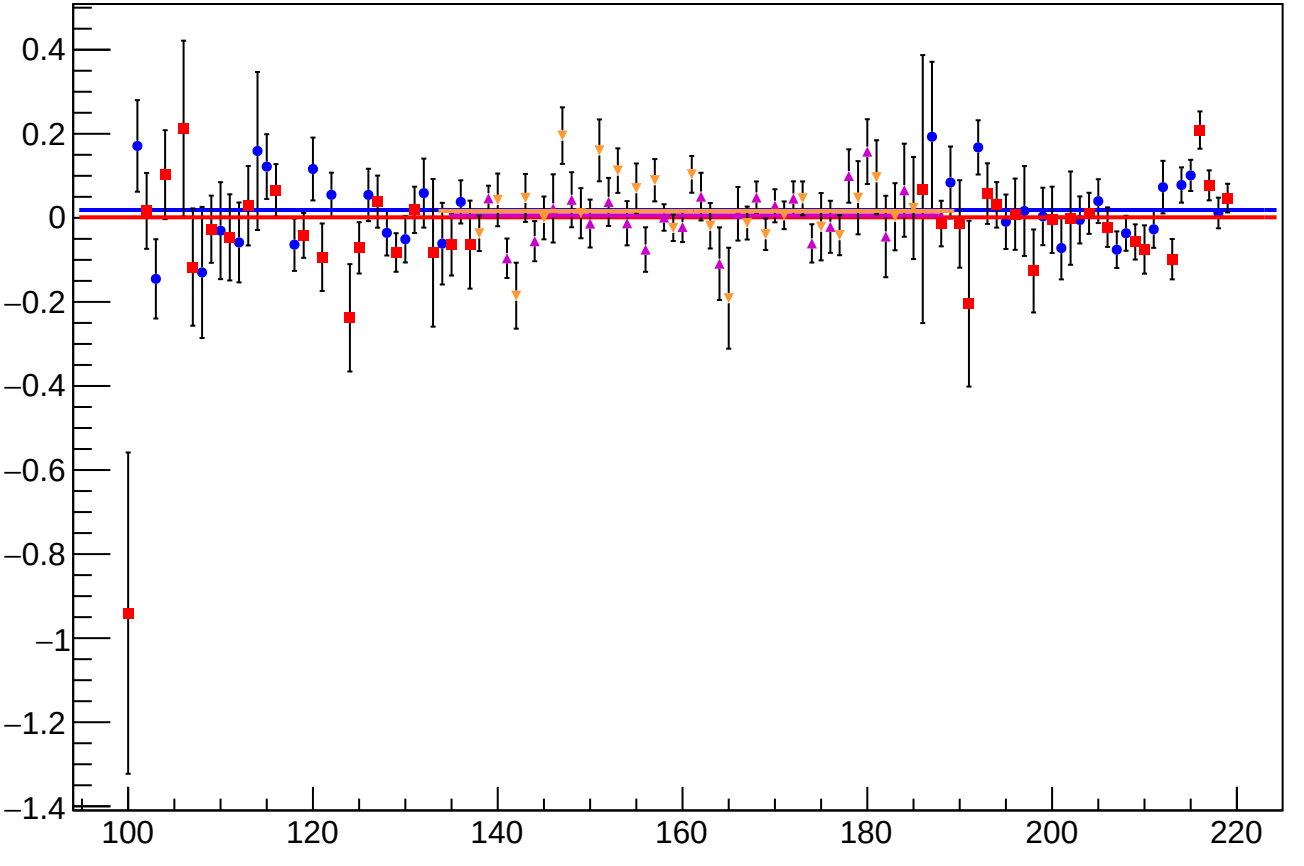
Right: 0.002+/-0.000 χ^2/NDF: 19134857.1/68

In: 0.002+/-0.000 χ^2/NDF:9331863.6/54

Out: 0.002+/-0.000 χ^2/NDF:14017006.8/61

All: 0.002+/-0.000 χ^2/NDF: 23664470.6/116

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.011 χ^2/NDF: 41.2/31

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.001+/-0.011 χ^2/NDF: 62.8/36

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

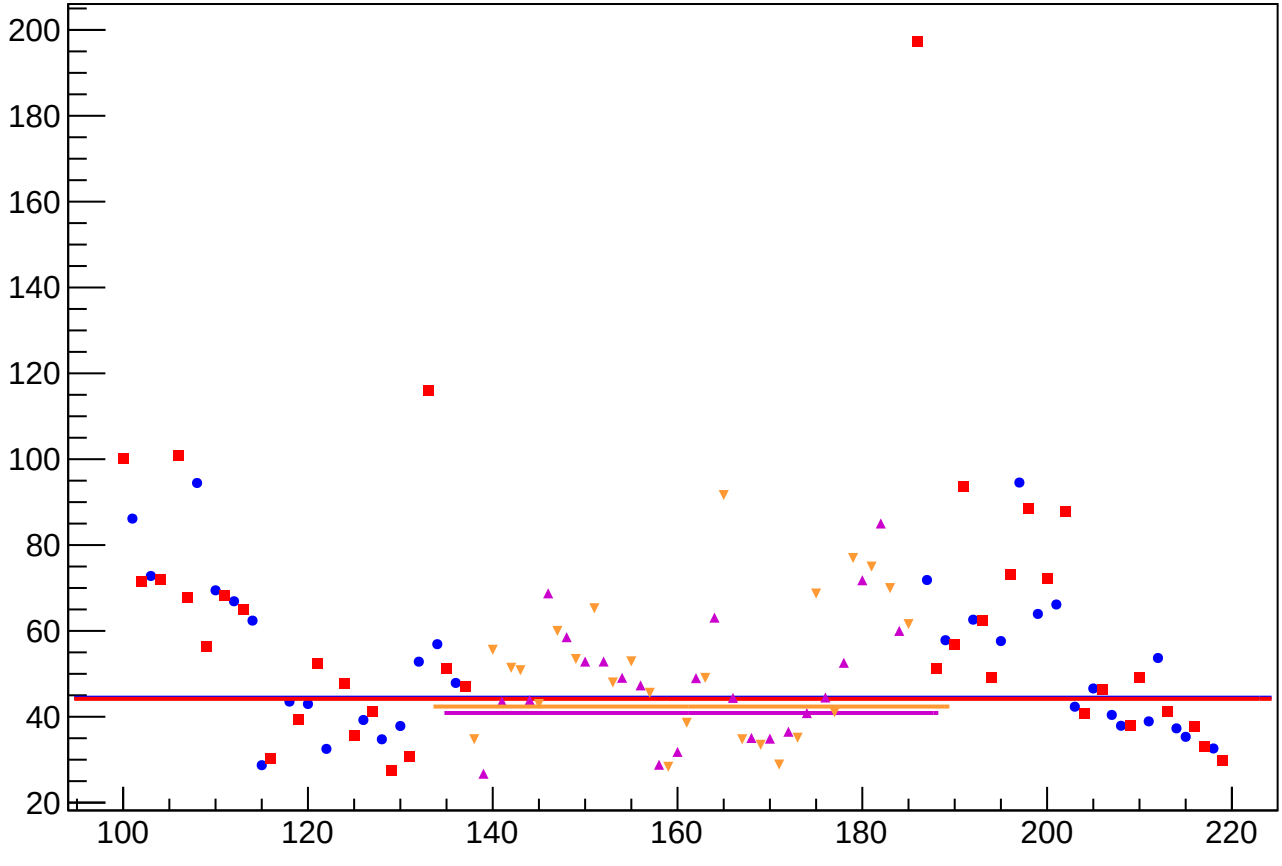
Right: 0.010+/-0.008 χ^2/NDF: 105.4/68

In: 0.012+/-0.007 χ^2/NDF:67.9/54

Out: 0.009+/-0.007 χ^2/NDF:105.0/61

All: 0.011+/-0.005 χ^2/NDF: 172.9/116

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.448+/-0.008 χ^2/NDF: 2907120.1/31

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 44.177+/-0.007 χ^2/NDF: 4403649.2/36

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

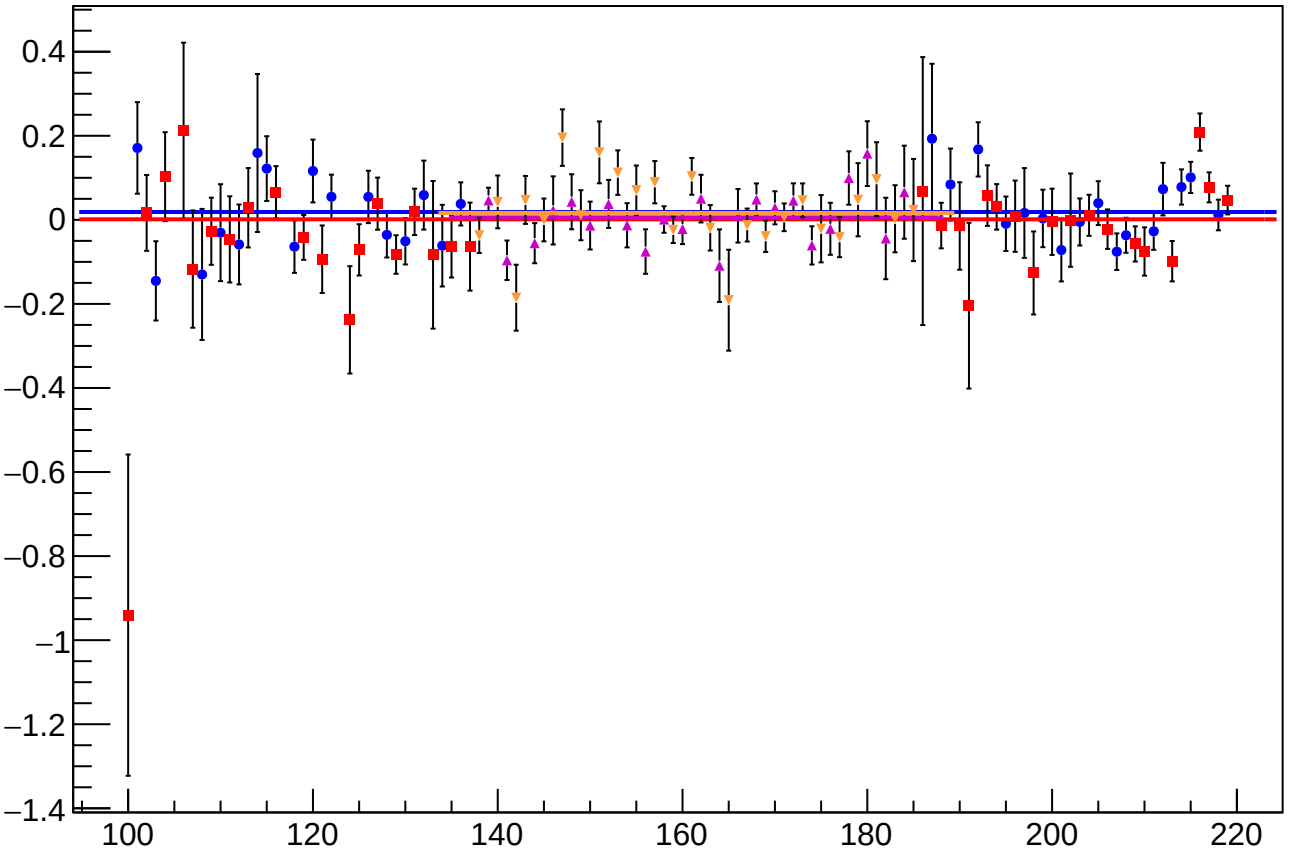
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 44.311+/-0.005 χ^2/NDF: 7311420.0/68

In: 42.592+/-0.005 χ^2/NDF:5700908.8/54

Out: 43.257+/-0.005 χ^2/NDF:7624316.6/61

All: 42.925+/-0.004 χ^2/NDF: 13333290.5/116



Right In: 0.019+/-0.011 χ^2/NDF: 41.2/31

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.001+/-0.011 χ^2/NDF: 62.8/36

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

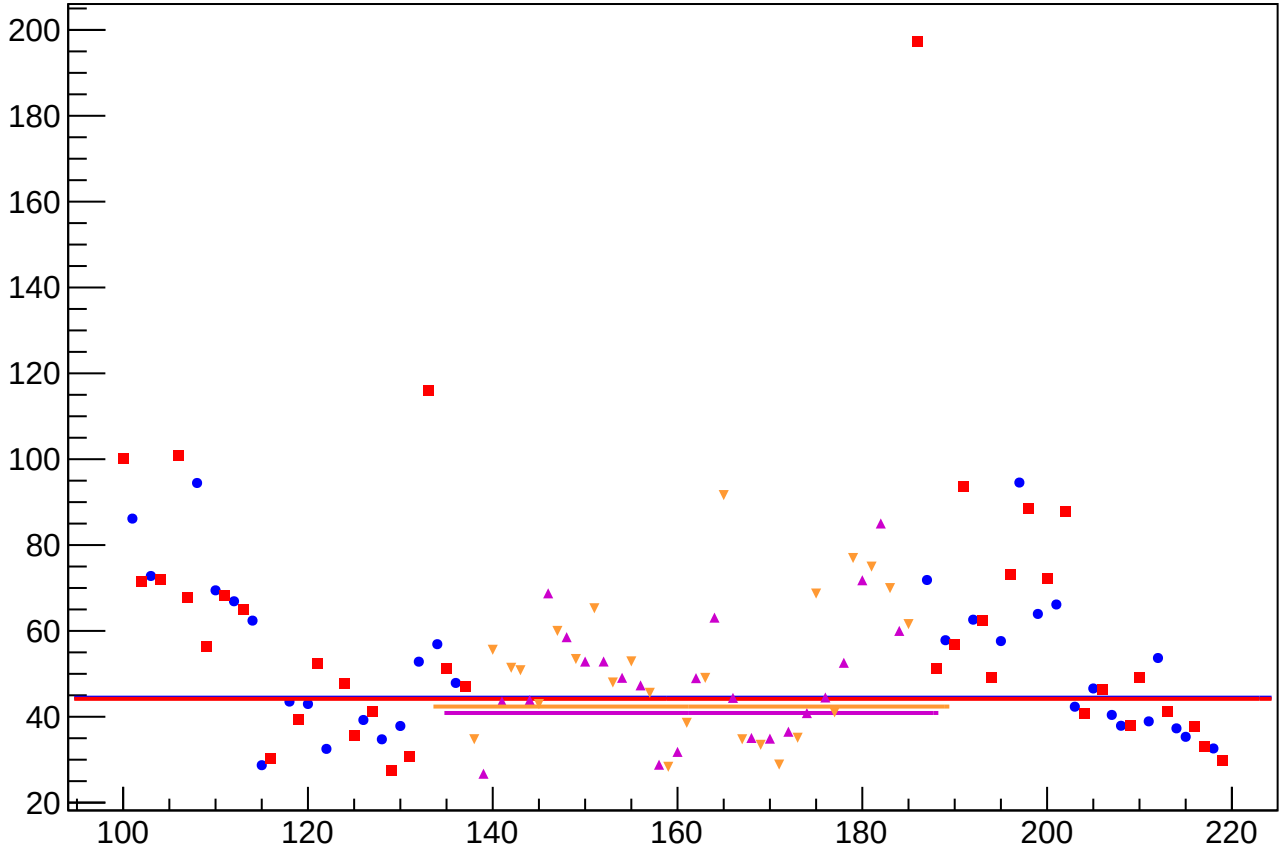
Right: 0.010+/-0.008 χ^2/NDF: 105.4/68

In: 0.012+/-0.007 χ^2/NDF:67.9/54

Out: 0.009+/-0.007 χ^2/NDF:105.0/61

All: 0.011+/-0.005 χ^2/NDF: 172.9/116

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.448+/-0.008 χ^2/NDF: 2907120.1/31

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 44.177+/-0.007 χ^2/NDF: 4403649.2/36

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

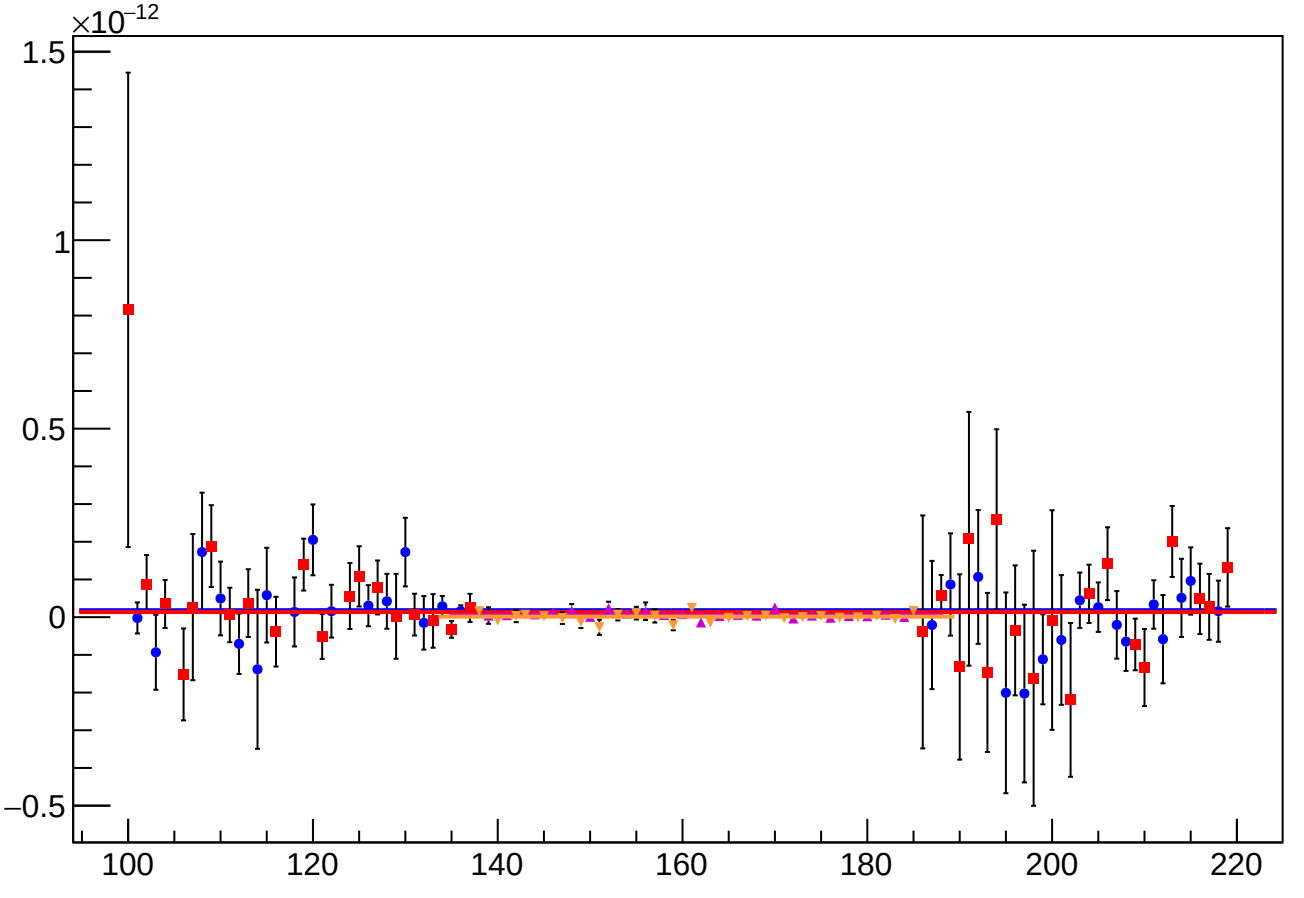
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 44.311+/-0.005 χ^2/NDF: 7311420.0/68

In: 42.592+/-0.005 χ^2/NDF:5700908.8/54

Out: 43.257+/-0.005 χ^2/NDF:7624316.6/61

All: 42.925+/-0.004 χ^2/NDF: 13333290.5/116



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

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

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

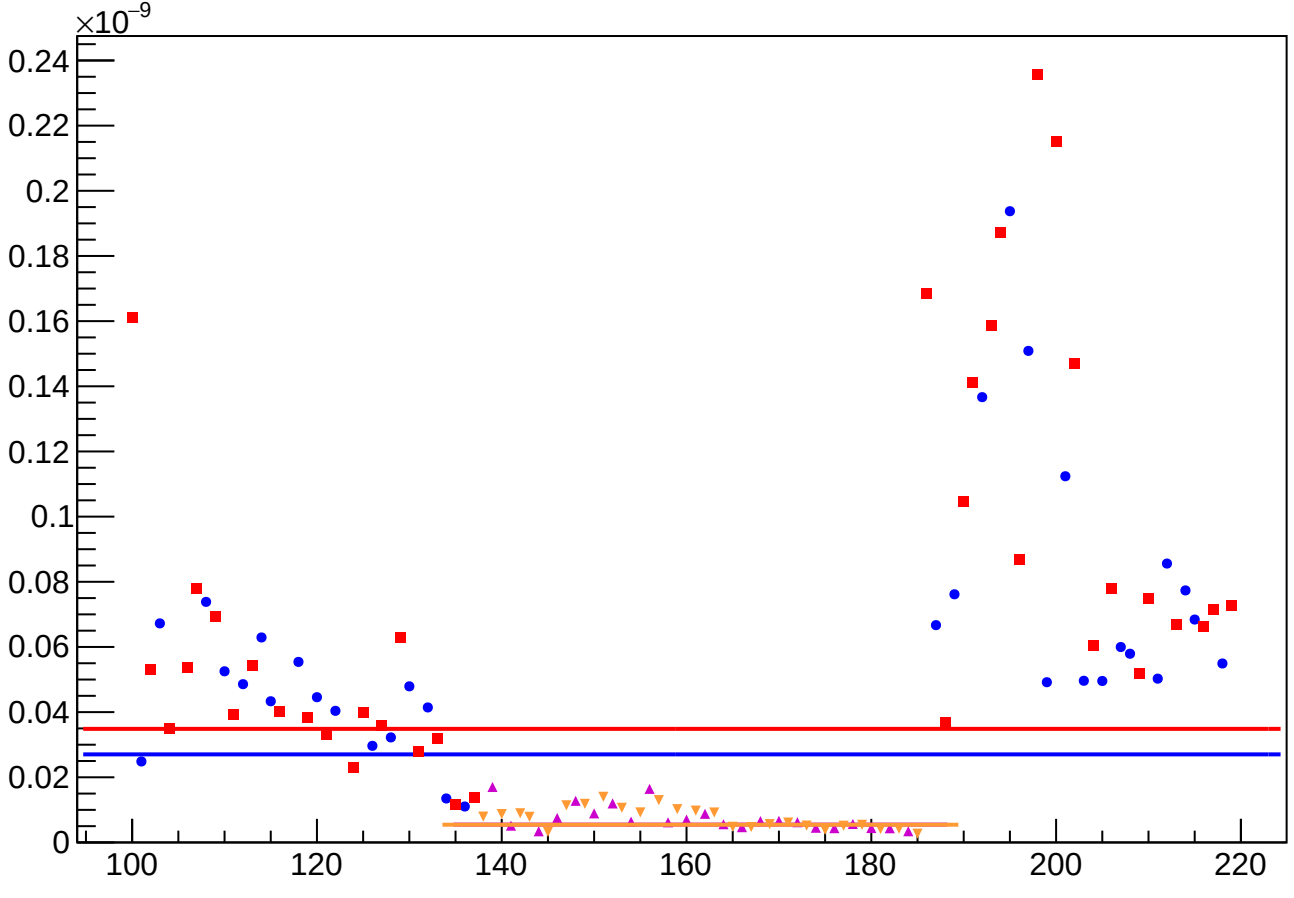
Right: 0.000+/-0.000 χ^2/NDF: 53.0/68

In: 0.000+/-0.000 χ^2/NDF:33.0/54

Out: 0.000+/-0.000 χ^2/NDF:55.5/61

All: 0.000+/-0.000 χ^2/NDF: 91.0/116

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10057733.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10251397.7/36

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

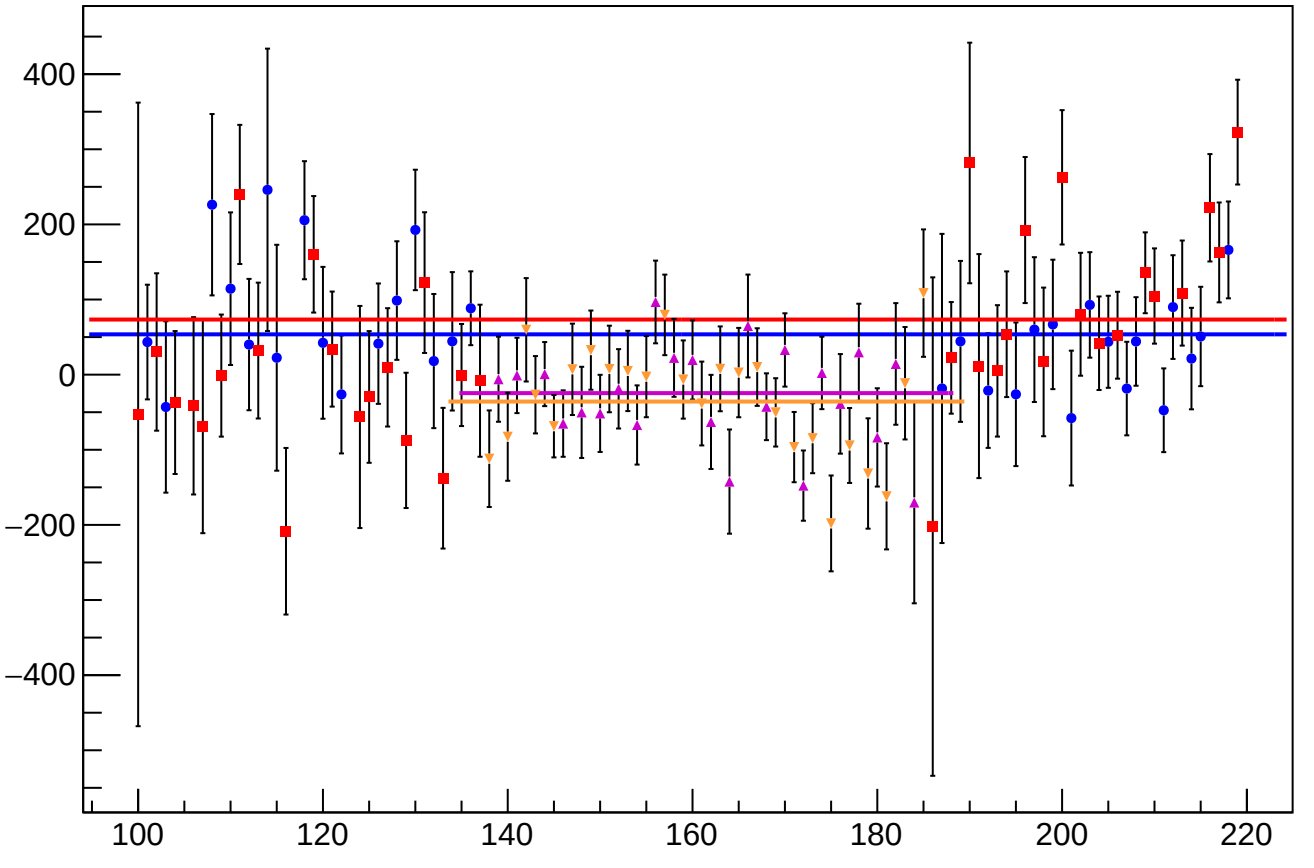
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 20800279.0/68

In: 0.000+/-0.000 χ^2/NDF:21557957.1/54

Out: 0.000+/-0.000 χ^2/NDF:25647909.7/61

All: 0.000+/-0.000 χ^2/NDF: 47208412.2/116



Right In: 53.658+/-13.918 χ^2/NDF: 25.0/31

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: 73.359+/-13.930 χ^2/NDF: 60.2/36

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

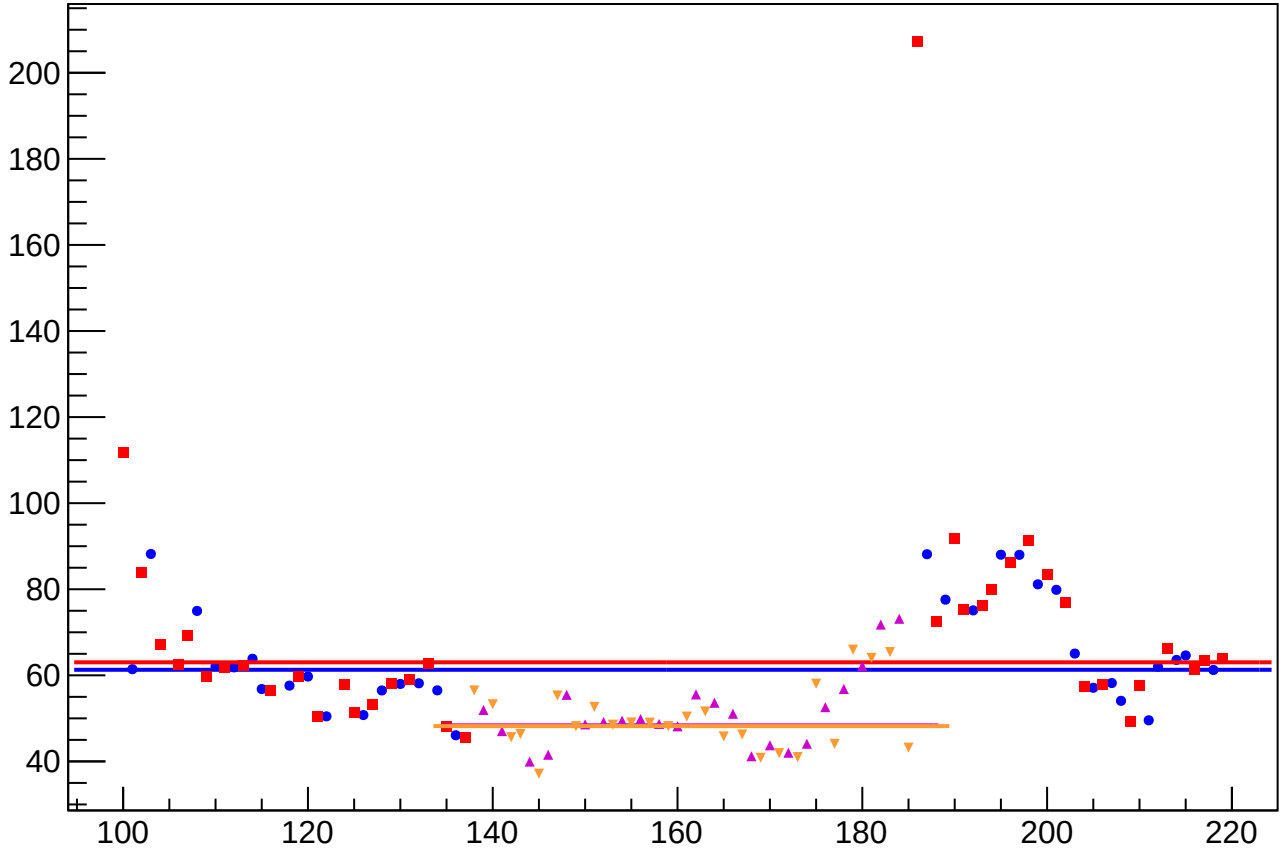
Right: 63.500+/-9.846 χ^2/NDF: 86.1/68

In: 7.073+/-8.852 χ^2/NDF:69.5/54

Out: 6.691+/-8.690 χ^2/NDF:131.4/61

All: 6.878+/-6.201 χ^2/NDF: 200.9/116

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 61.288+/-0.010 χ^2/NDF: 1220797.1/31

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 63.024+/-0.010 χ^2/NDF: 1654260.4/36

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

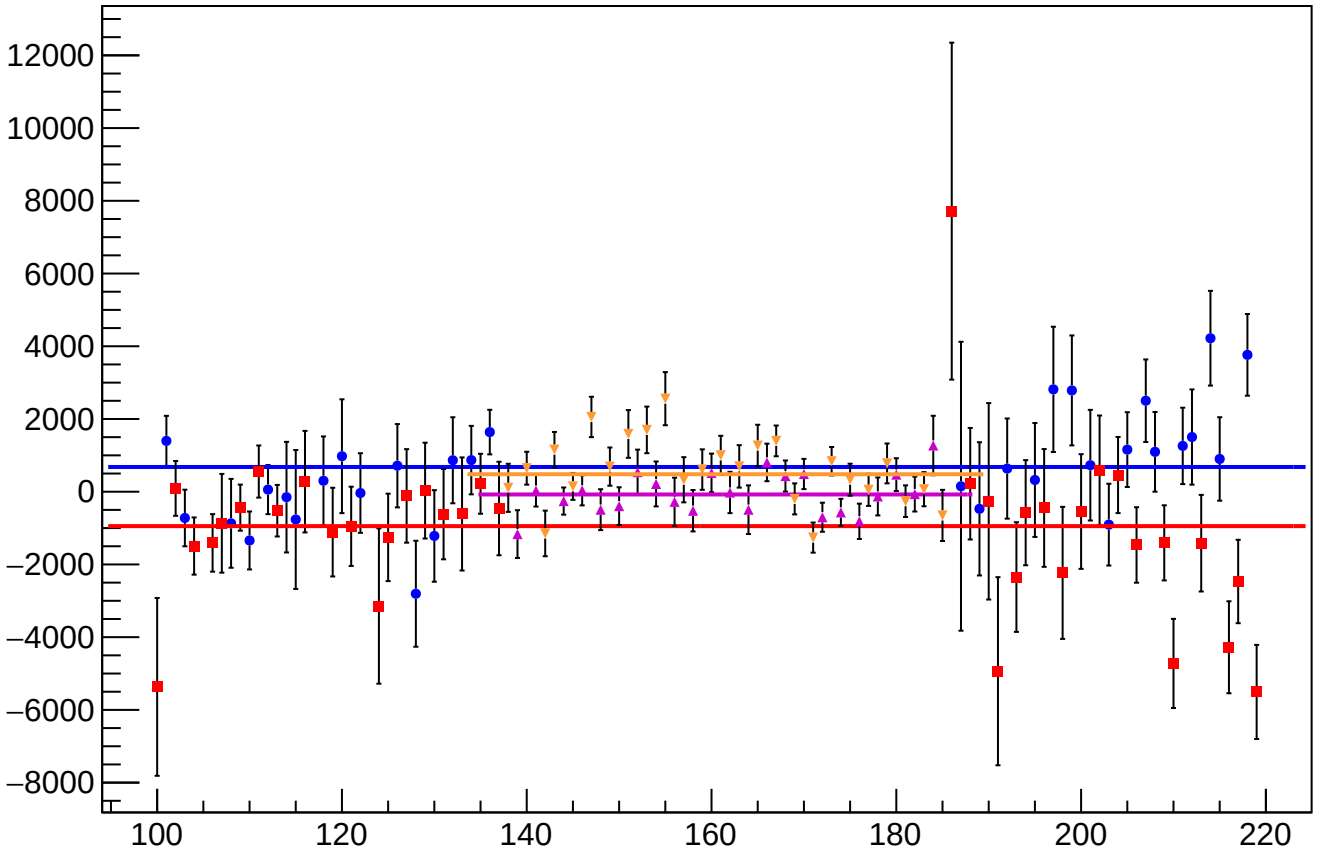
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 62.155+/-0.007 χ^2/NDF: 2890607.1/68

In: 53.602+/-0.006 χ^2/NDF:2940419.8/54

Out: 53.968+/-0.006 χ^2/NDF:3818253.5/61

All: 53.788+/-0.004 χ^2/NDF: 6760420.5/116



Right In: 680.109+/-193.666 χ^2/NDF: 49.7/31

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -946.209+/-187.108 χ^2/NDF: 58.6/36

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

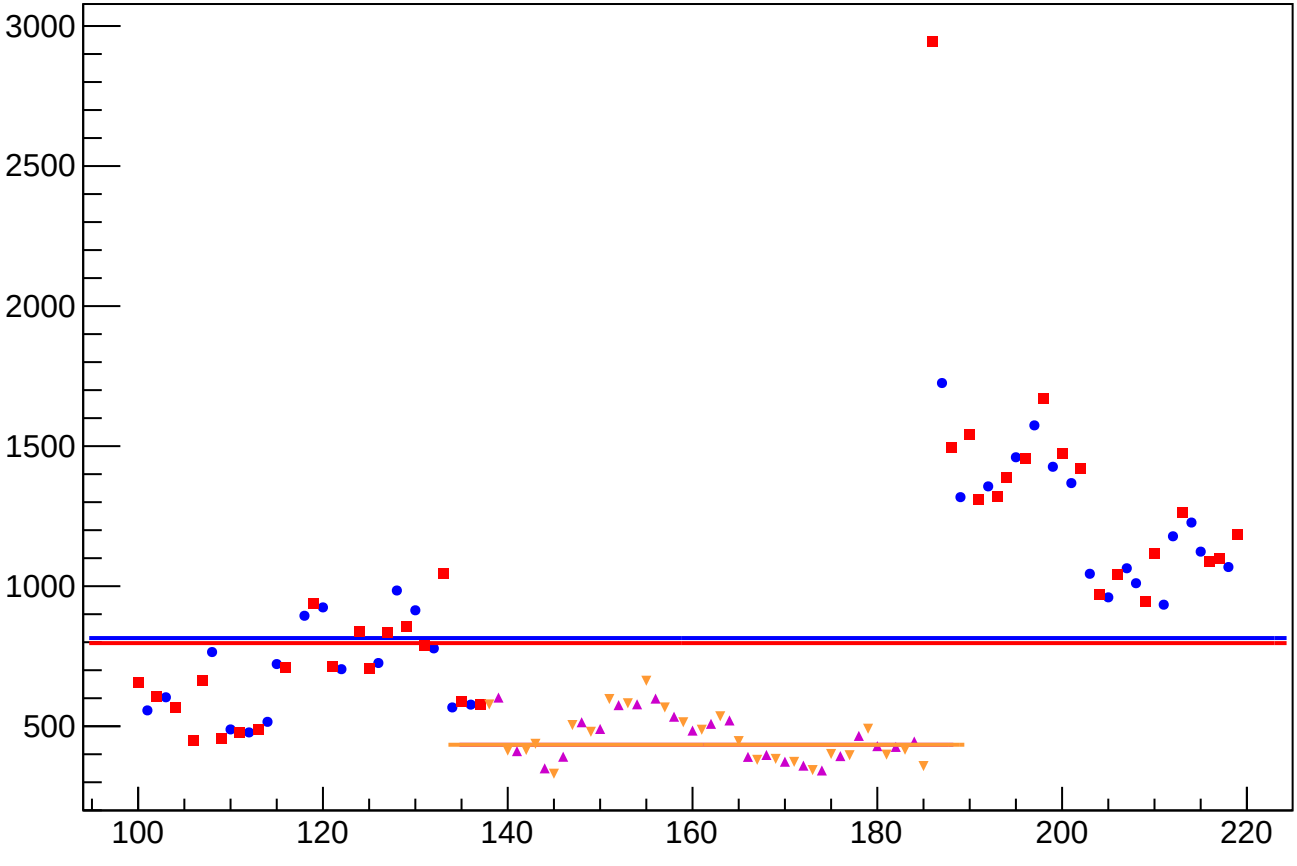
Right: -161.051+/-134.564 χ^2/NDF: 144.8/68

In: 91.301+/-91.027 χ^2/NDF:86.0/54

Out: 160.707+/-88.554 χ^2/NDF:173.0/61

All: 126.959+/-63.473 χ^2/NDF: 259.3/116

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 814.828+/-0.137 χ^2/NDF: 4673587.5/31

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 796.771+/-0.132 χ^2/NDF: 6537990.6/36

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

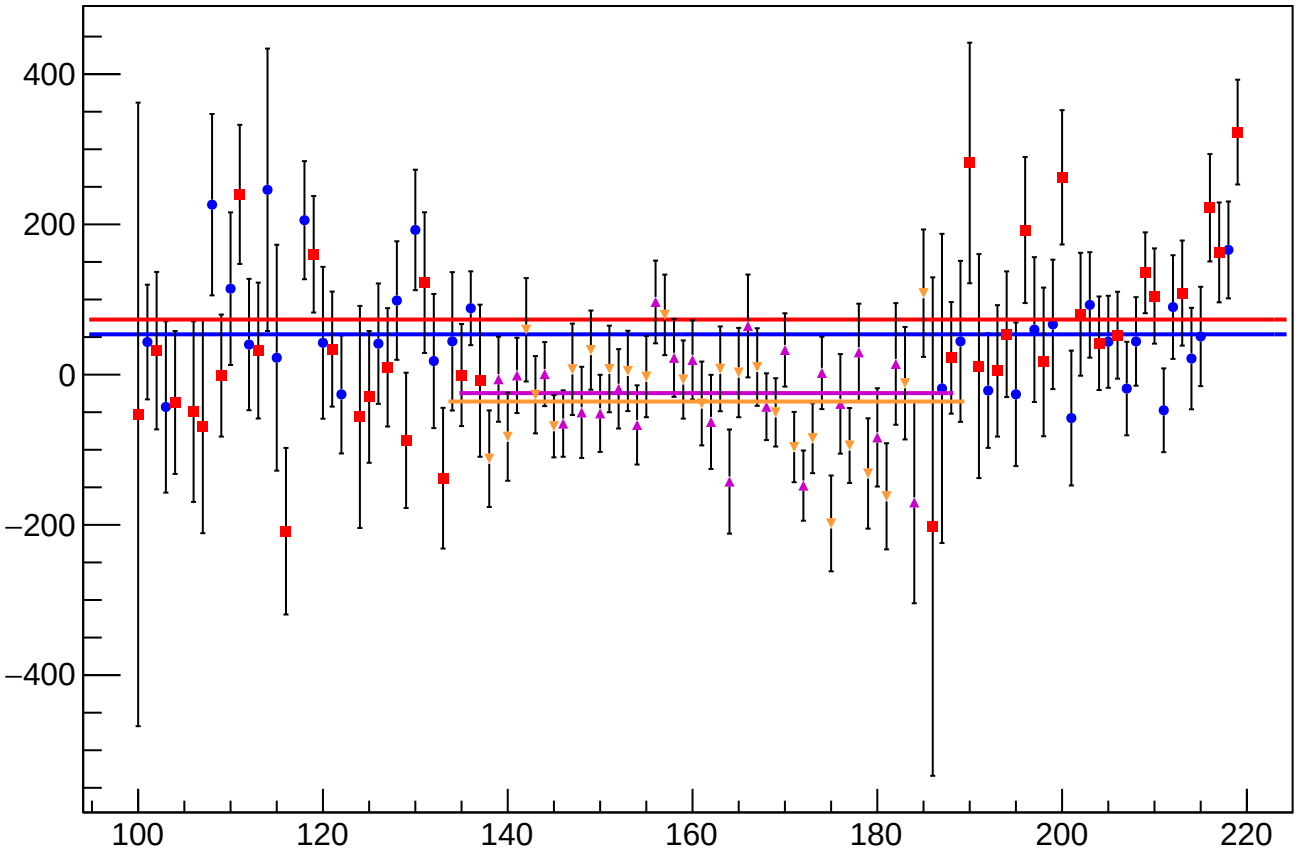
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 805.489+/-0.095 χ^2/NDF: 11220571.3/68

In: 517.915+/-0.064 χ^2/NDF:11802281.4/54

Out: 515.215+/-0.063 χ^2/NDF:13617571.0/61

All: 516.528+/-0.045 χ^2/NDF: 25420756.1/11



Right In: 53.661+/-13.918 χ^2/NDF: 25.0/31

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 73.343+/-13.934 χ^2/NDF: 60.3/36

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

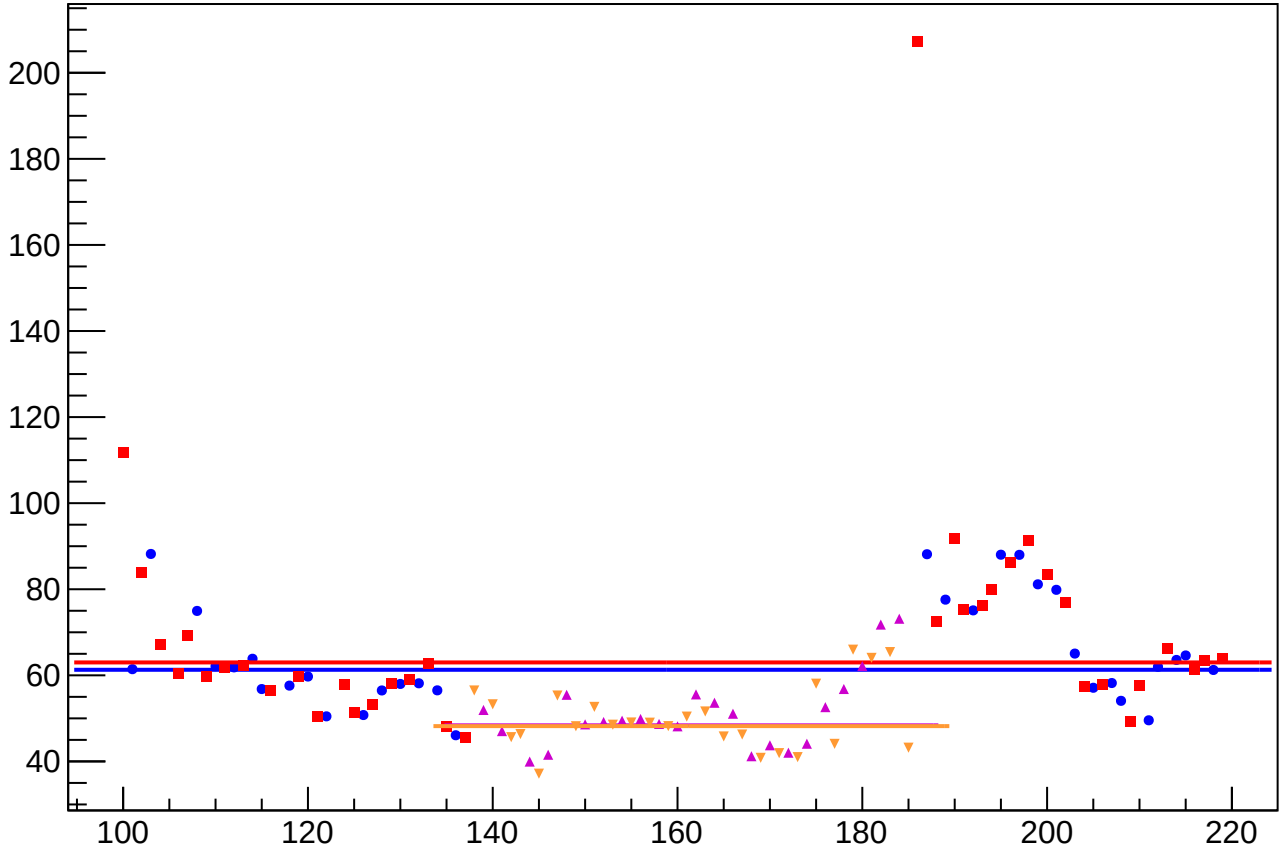
Right: 63.491+/-9.847 χ^2/NDF: 86.2/68

In: 7.073+/-8.852 χ^2/NDF:69.5/54

Out: 6.668+/-8.691 χ^2/NDF:131.4/61

All: 6.867+/-6.202 χ^2/NDF: 200.9/116

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 61.288+/-0.010 χ^2/NDF: 1220800.5/31

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 62.997+/-0.010 χ^2/NDF: 1655353.7/36

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

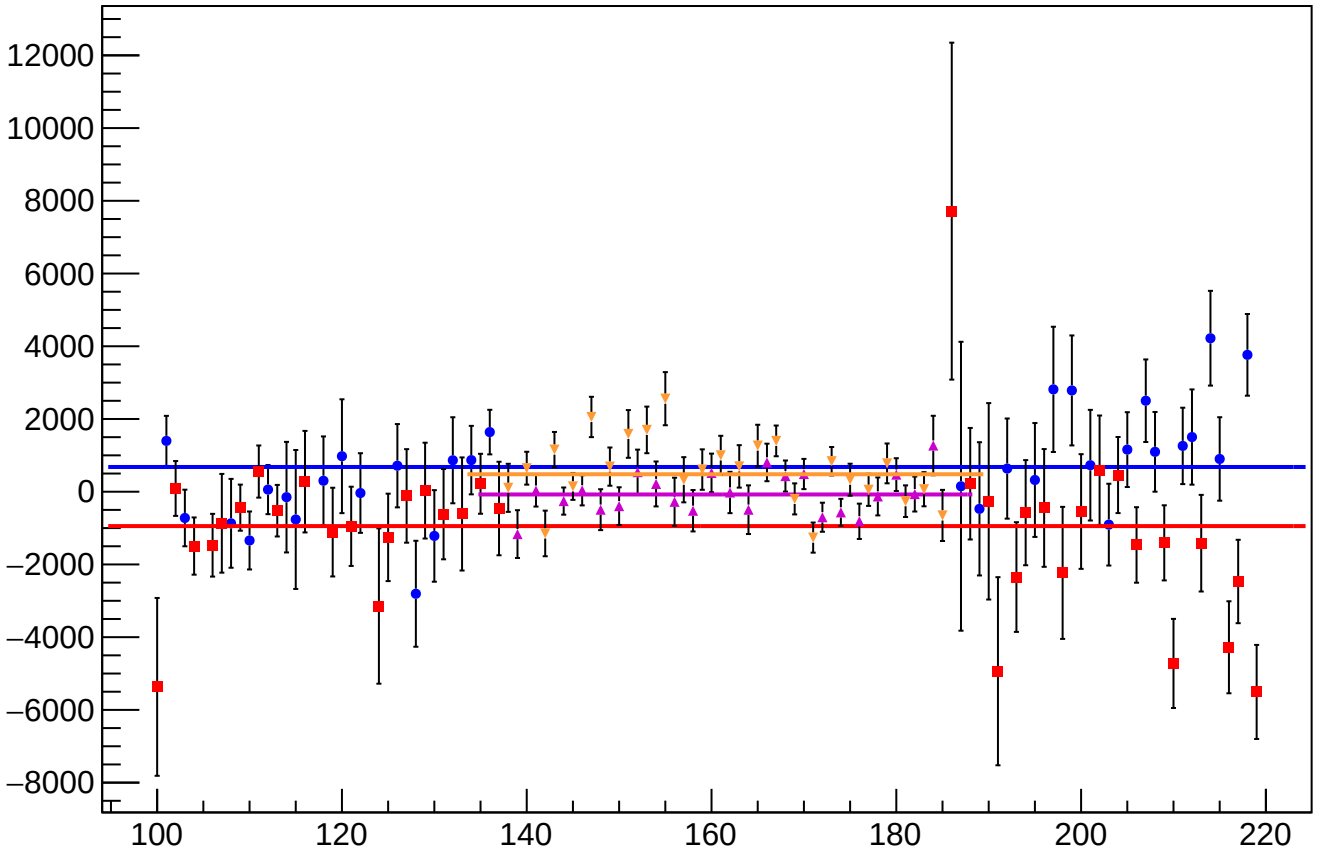
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 62.141+/-0.007 χ^2/NDF: 2891223.2/68

In: 53.602+/-0.006 χ^2/NDF:2940423.7/54

Out: 53.956+/-0.006 χ^2/NDF:3813906.2/61

All: 53.782+/-0.004 χ^2/NDF: 6755961.8/116



Right In: 680.137+/-193.667 χ^2/NDF: 49.7/31

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -945.335+/-187.949 χ^2/NDF: 58.7/36

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

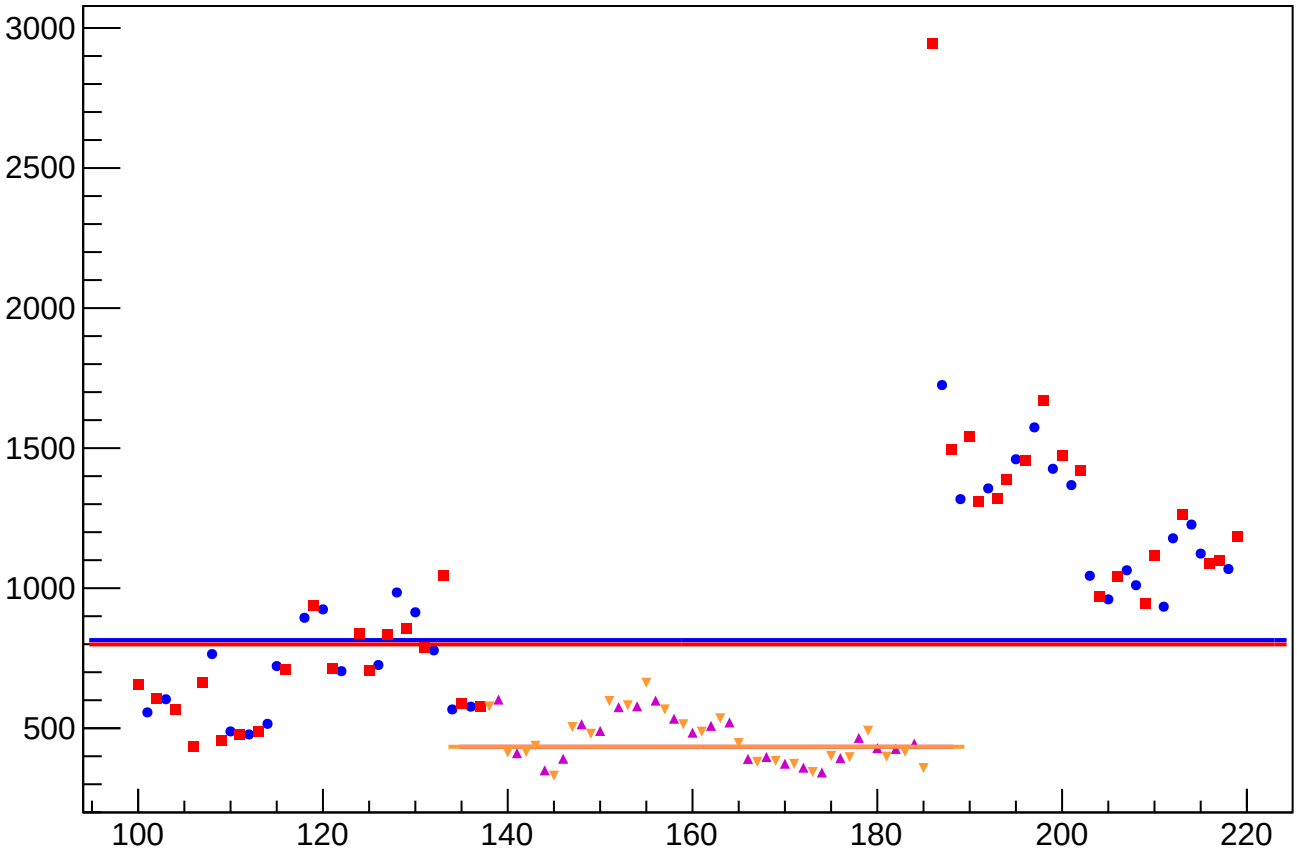
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -156.949+/-134.876 χ^2/NDF: 144.6/68

In: 91.304+/-91.027 χ^2/NDF:86.0/54

Out: 163.116+/-88.643 χ^2/NDF:172.6/61

All: 128.163+/-63.506 χ^2/NDF: 258.9/116



Right In: 814.833+/-0.137 χ^2/NDF: 4673501.7/31

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 799.299+/-0.133 χ^2/NDF: 6500563.3/36

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

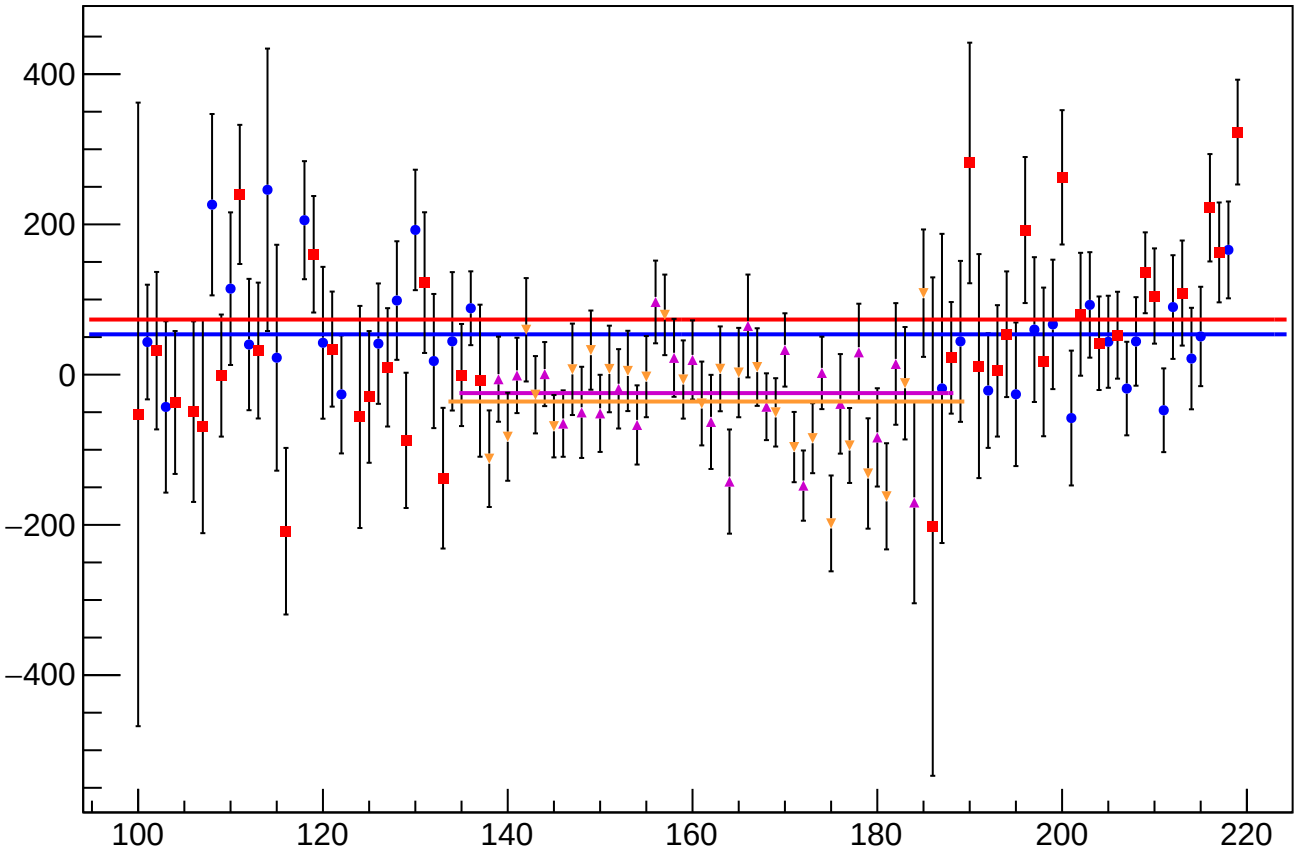
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 806.834+/-0.095 χ^2/NDF: 11180691.1/68

In: 517.916+/-0.064 χ^2/NDF:11802298.0/54

Out: 515.214+/-0.063 χ^2/NDF:13620683.1/61

All: 516.529+/-0.045 χ^2/NDF: 25423885.7/11



Right In: 53.661+/-13.918 χ^2/NDF: 25.0/31

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 73.343+/-13.934 χ^2/NDF: 60.3/36

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

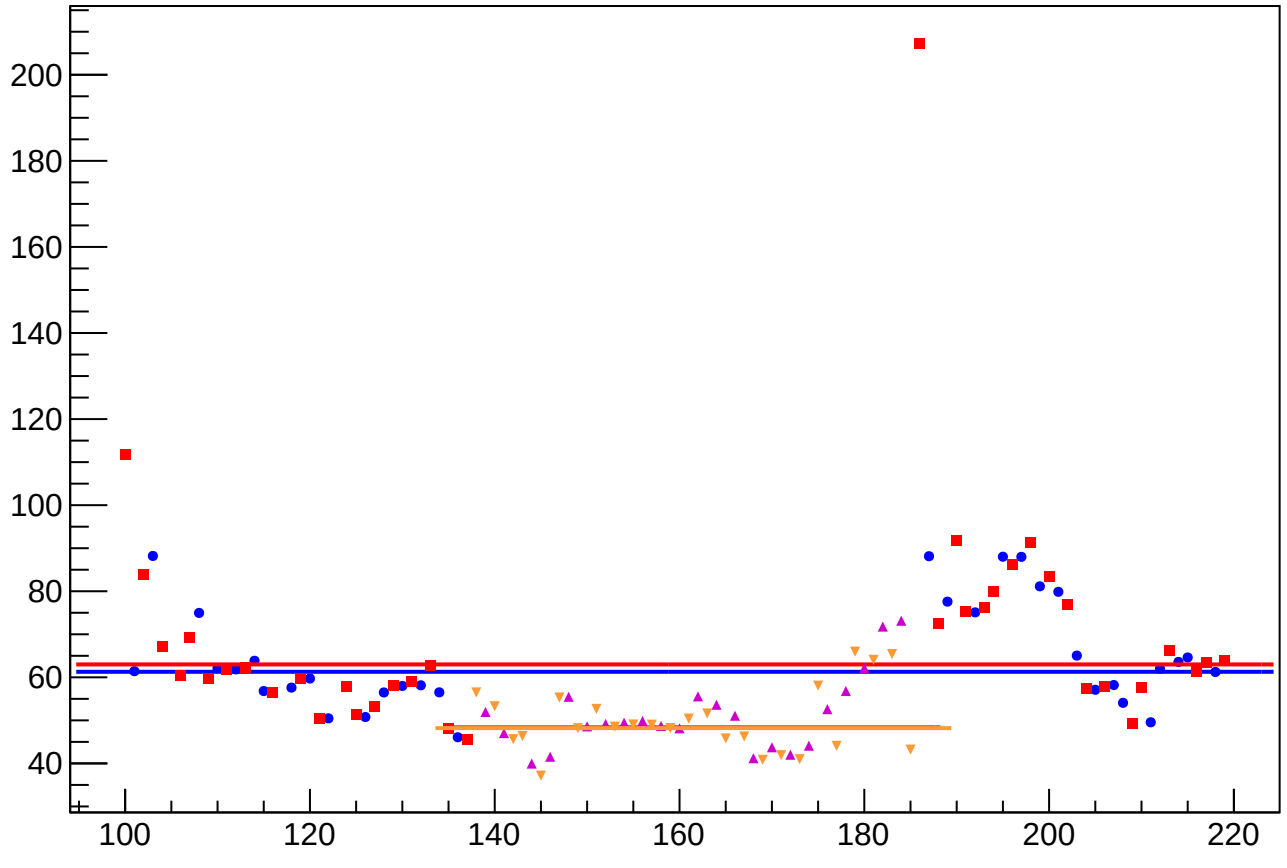
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 63.491+/-9.847 χ^2/NDF: 86.2/68

In: 7.073+/-8.852 χ^2/NDF:69.5/54

Out: 6.668+/-8.691 χ^2/NDF:131.4/61

All: 6.867+/-6.202 χ^2/NDF: 200.9/116



Right In: 61.288+/-0.010 χ^2/NDF: 1220800.5/31

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 62.997+/-0.010 χ^2/NDF: 1655353.7/36

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

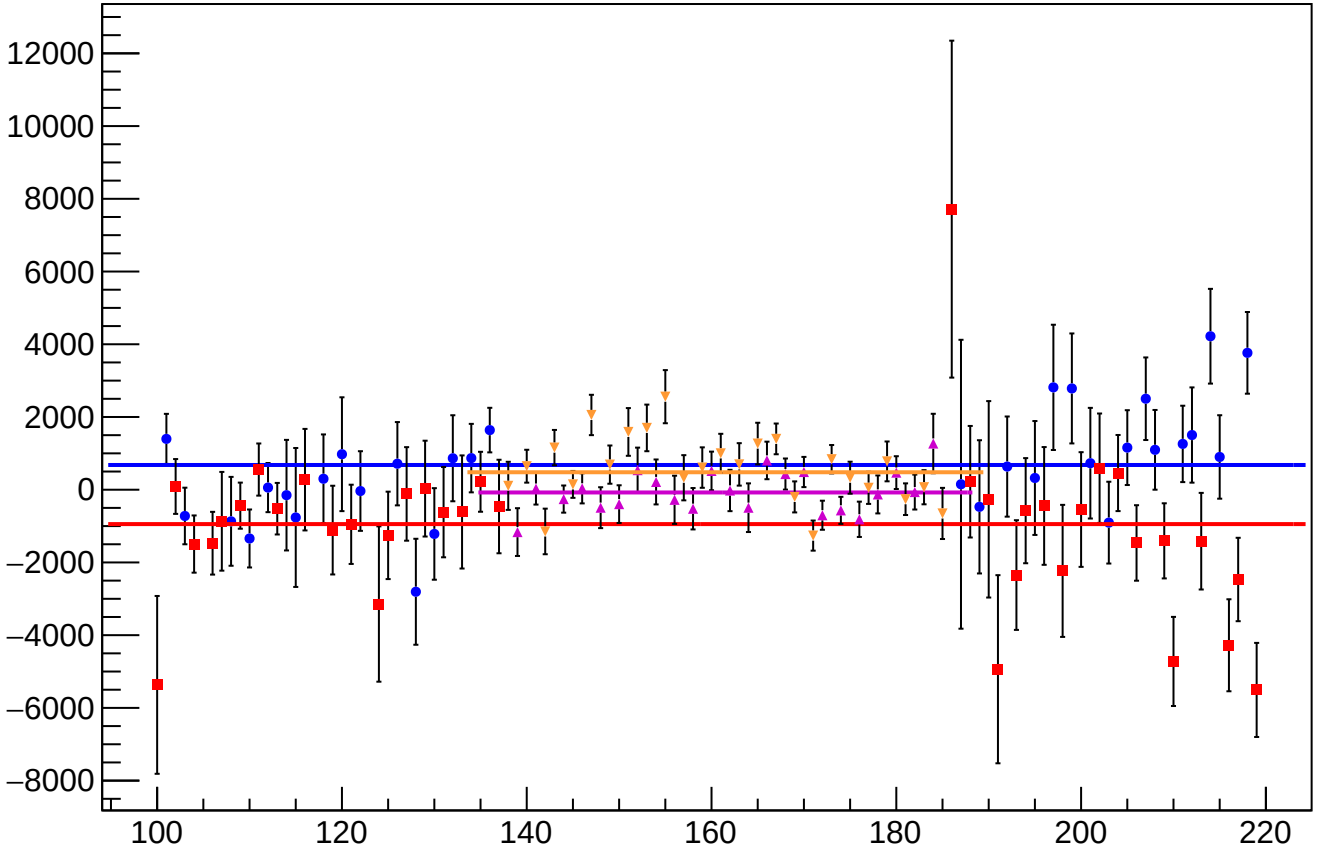
Right: 62.141+/-0.007 χ^2/NDF: 2891223.2/68

In: 53.602+/-0.006 χ^2/NDF:2940423.7/54

Out: 53.956+/-0.006 χ^2/NDF:3813906.2/61

All: 53.782+/-0.004 χ^2/NDF: 6755961.8/116

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 680.137+/-193.667 χ^2/NDF: 49.7/31

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -945.335+/-187.949 χ^2/NDF: 58.7/36

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

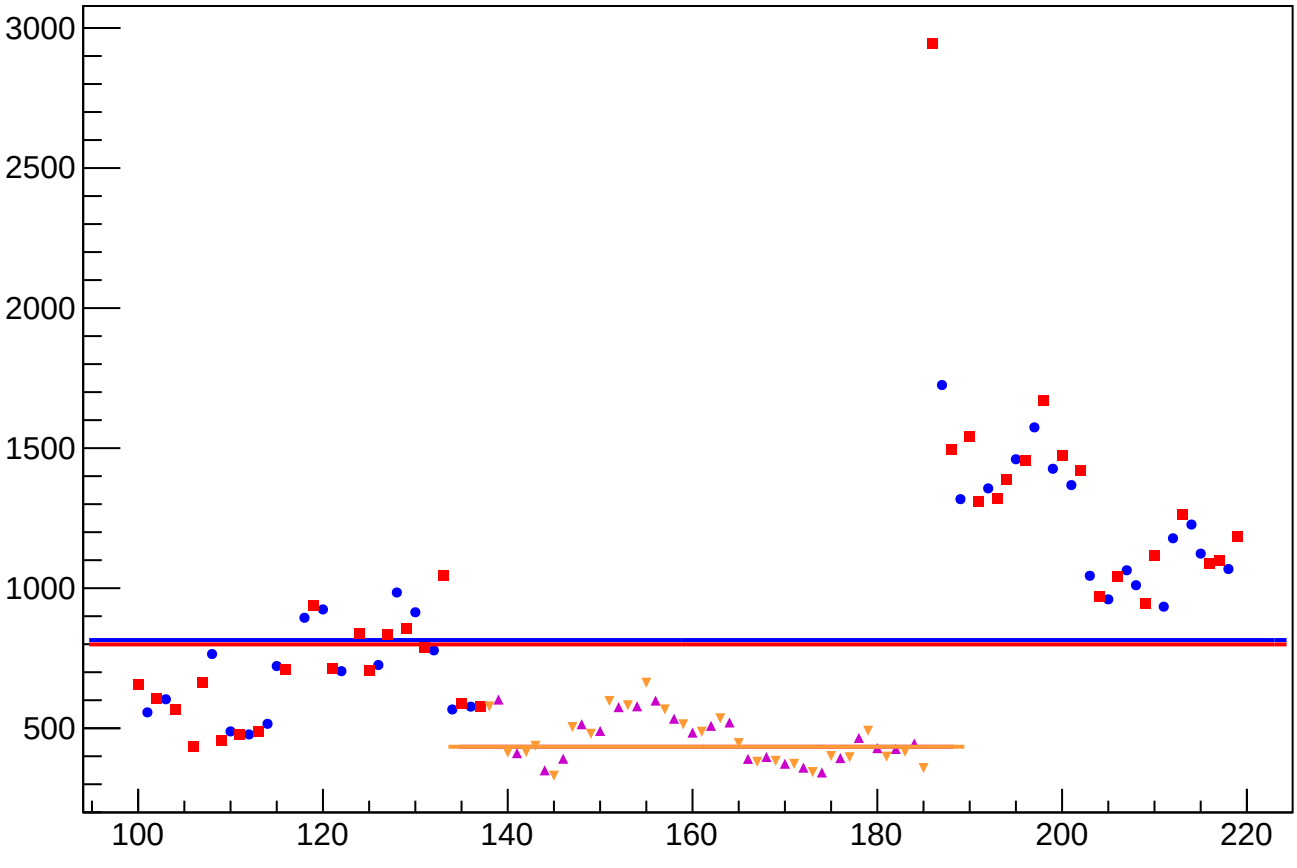
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

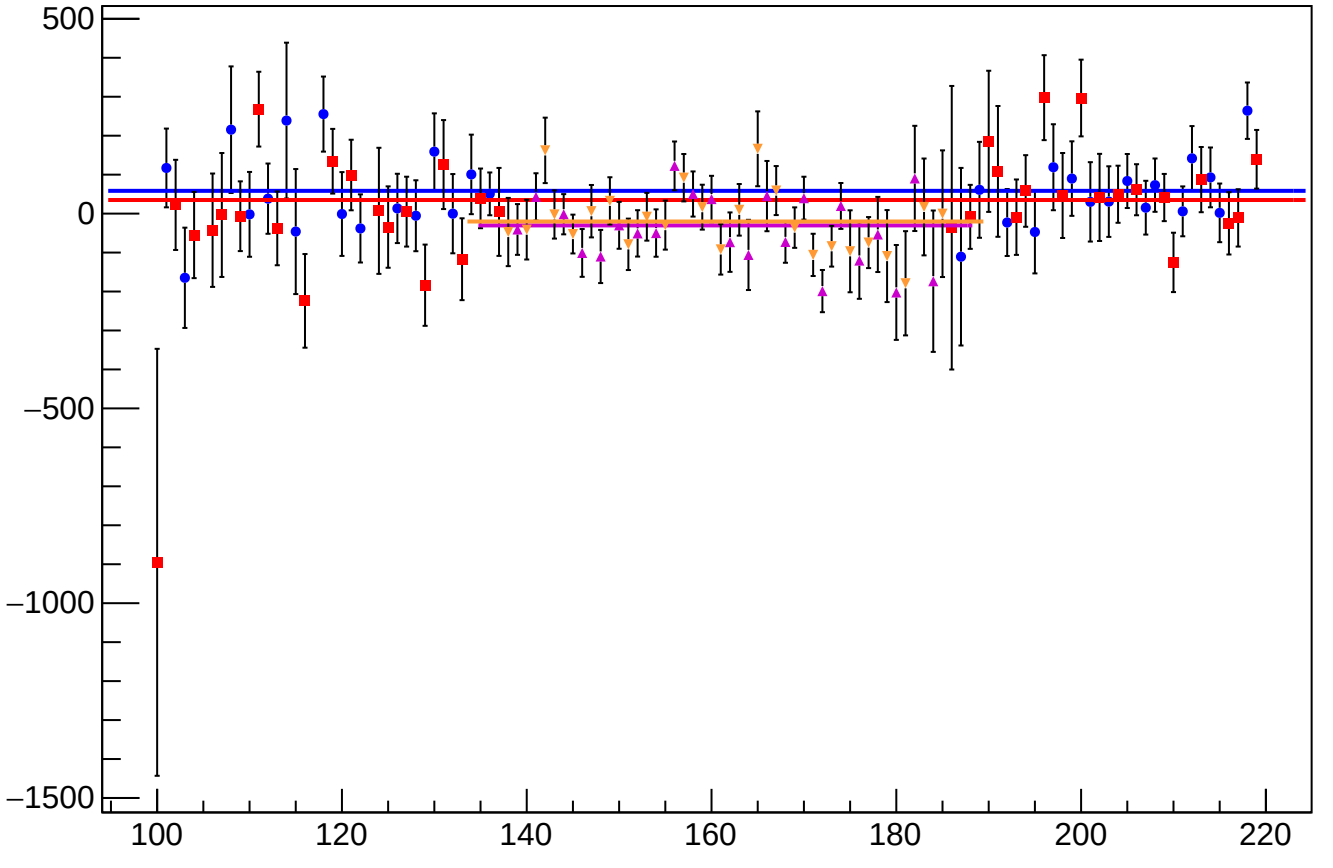
Right: -156.949+/-134.876 χ^2/NDF: 144.6/68

In: 91.304+/-91.027 χ^2/NDF:86.0/54

Out: 163.116+/-88.643 χ^2/NDF:172.6/61

All: 128.163+/-63.506 χ^2/NDF: 258.9/116


asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 814.833+/-0.137 χ²/NDF: 4673501.7/31
Left Out: 433.945+/-0.071 χ²/NDF:1243702.1/24
Right Out: 799.299+/-0.133 χ²/NDF: 6500563.3/36
Left In: 433.722+/-0.073 χ²/NDF:1094788.4/22
Left: 433.836+/-0.051 χ²/NDF: 2338495.3/47
Right: 806.834+/-0.095 χ²/NDF: 11180691.1/68
In: 517.916+/-0.064 χ²/NDF:11802298.0/54
Out: 515.214+/-0.063 χ²/NDF:13620683.1/61
All: 516.529+/-0.045 χ²/NDF: 25423885.7/11



Right In: 58.431+/-15.923 χ^2/NDF: 28.0/31

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 34.907+/-15.787 χ^2/NDF: 47.2/36

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

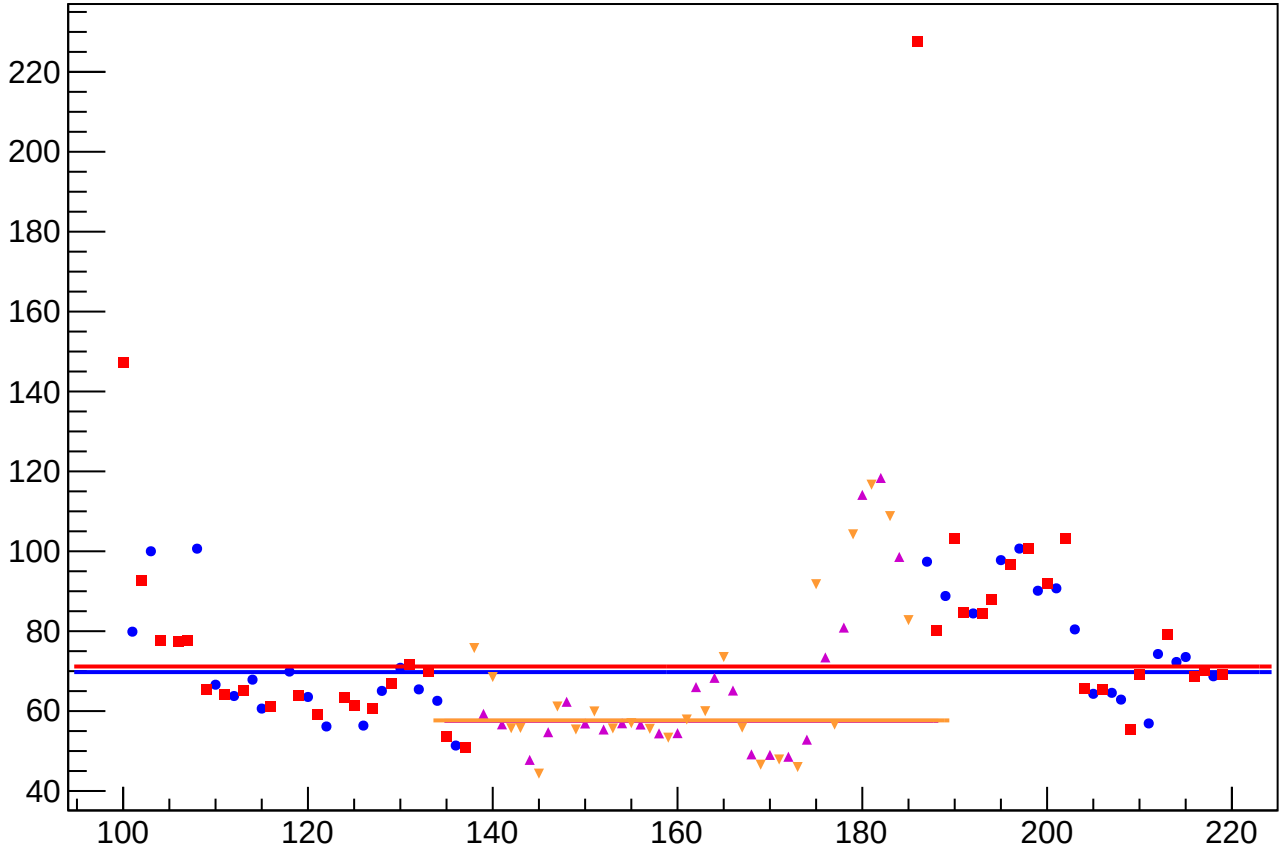
Right: 46.568+/-11.211 χ^2/NDF: 76.3/68

In: 8.309+/-10.505 χ^2/NDF:78.1/54

Out: 3.306+/-10.320 χ^2/NDF:79.4/61

All: 5.763+/-7.362 χ^2/NDF: 157.6/116

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 69.760+/-0.011 χ^2/NDF: 1336691.1/31

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 71.161+/-0.011 χ^2/NDF: 1702199.9/36

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

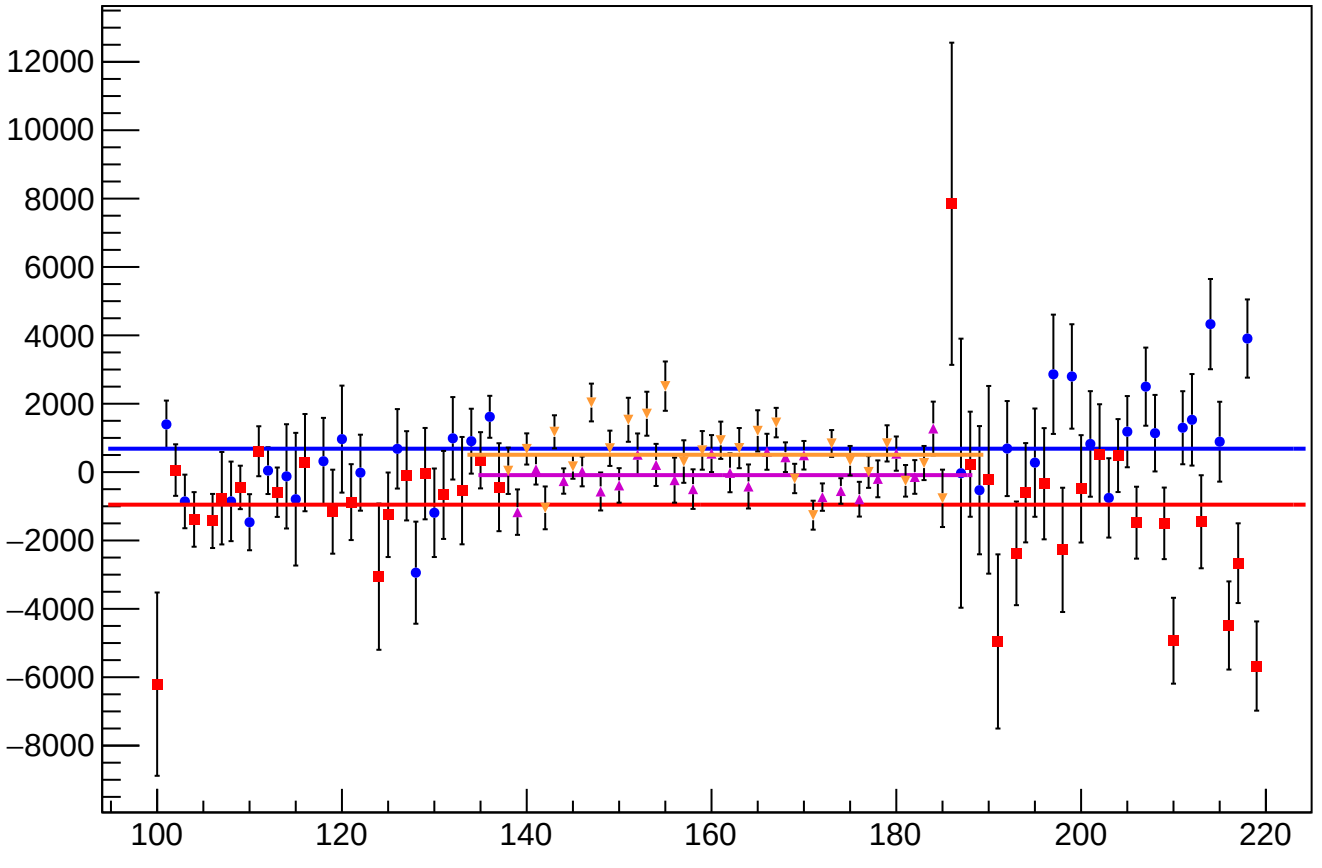
Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

Right: 70.466+/-0.008 χ^2/NDF: 3046695.9/68

In: 62.858+/-0.007 χ^2/NDF:3445262.6/54

Out: 63.433+/-0.007 χ^2/NDF:4448597.1/61

All: 63.151+/-0.005 χ^2/NDF: 7896909.0/116



Right In: 684.435+/-196.119 χ^2/NDF: 51.0/31

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: -952.611+/-189.101 χ^2/NDF: 61.8/36

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

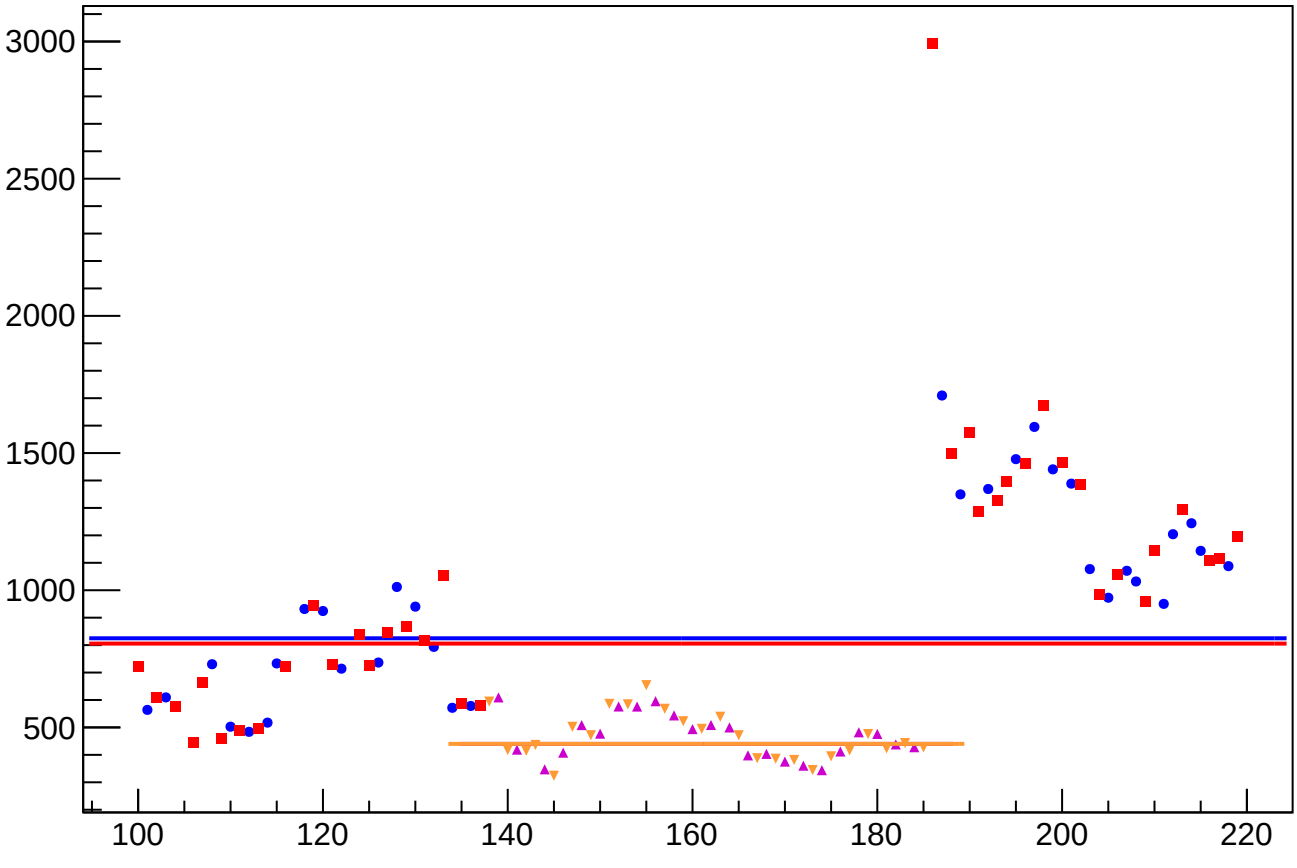
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -163.906+/-136.128 χ^2/NDF: 148.9/68

In: 82.550+/-92.253 χ^2/NDF:86.4/54

Out: 179.290+/-89.620 χ^2/NDF:173.8/61

All: 132.320+/-64.282 χ^2/NDF: 260.8/116



Right In: 824.889+/-0.139 χ^2/NDF: 4729776.5/31

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 805.536+/-0.134 χ^2/NDF: 6522212.3/36

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

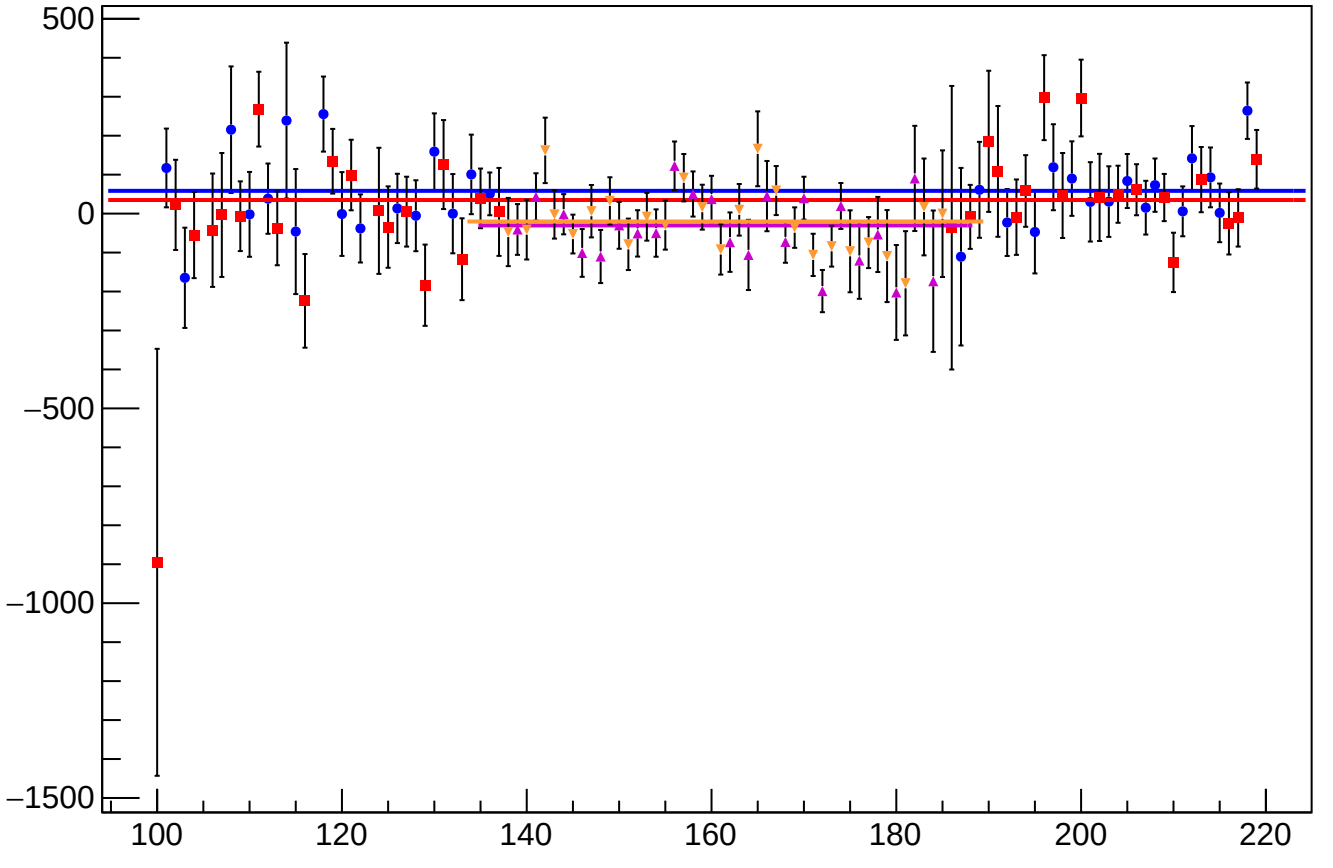
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 814.860+/-0.096 χ^2/NDF: 11262080.5/68

In: 525.069+/-0.065 χ^2/NDF:11794054.4/54

Out: 522.161+/-0.063 χ^2/NDF:13511445.6/61

All: 523.573+/-0.045 χ^2/NDF: 25306521.9/11



Right In: 58.429+/-15.923 χ^2/NDF: 28.0/31

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 34.909+/-15.787 χ^2/NDF: 47.2/36

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

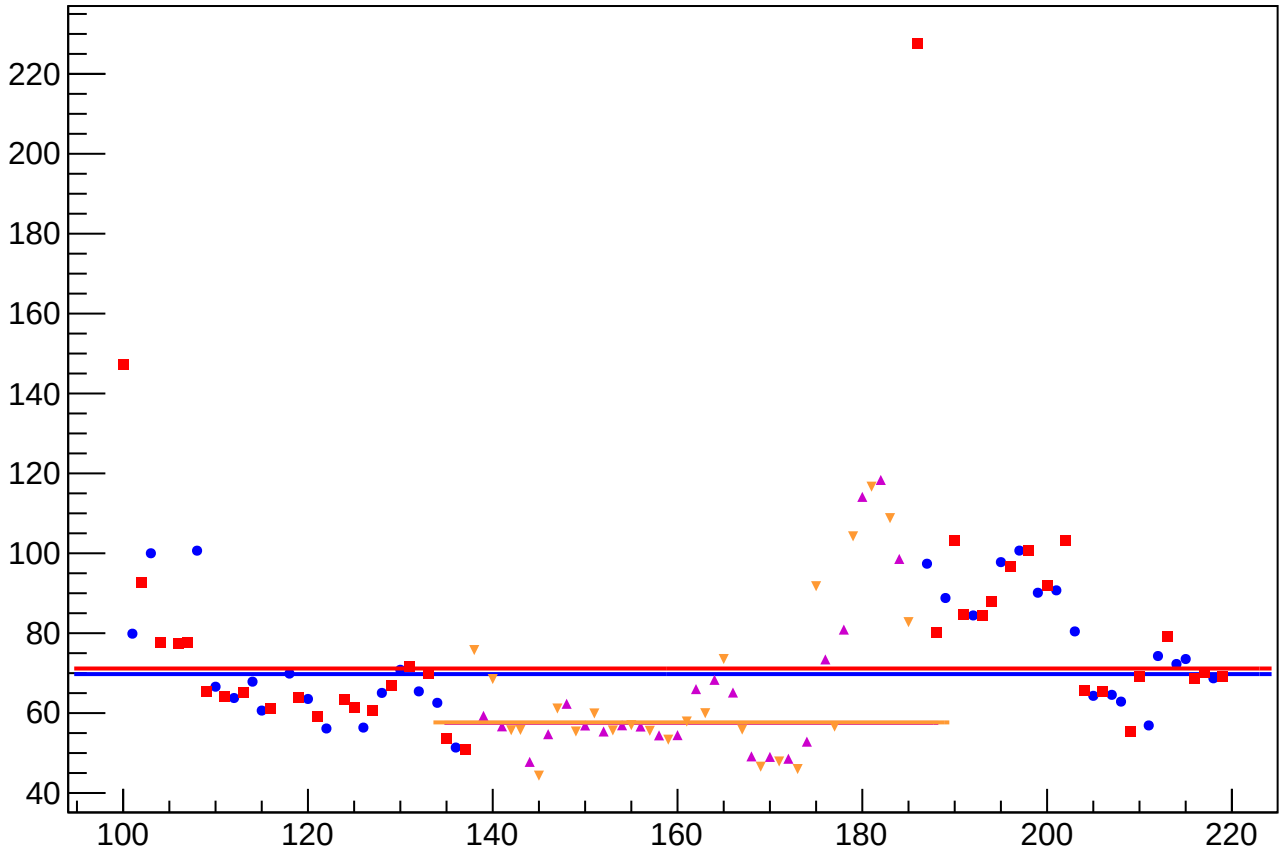
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 46.568+/-11.211 χ^2/NDF: 76.3/68

In: 8.308+/-10.505 χ^2/NDF:78.1/54

Out: 3.307+/-10.320 χ^2/NDF:79.4/61

All: 5.763+/-7.362 χ^2/NDF: 157.6/116



Right In: 69.760+/-0.011 χ^2/NDF: 1336664.1/31

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 71.161+/-0.011 χ^2/NDF: 1702204.4/36

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

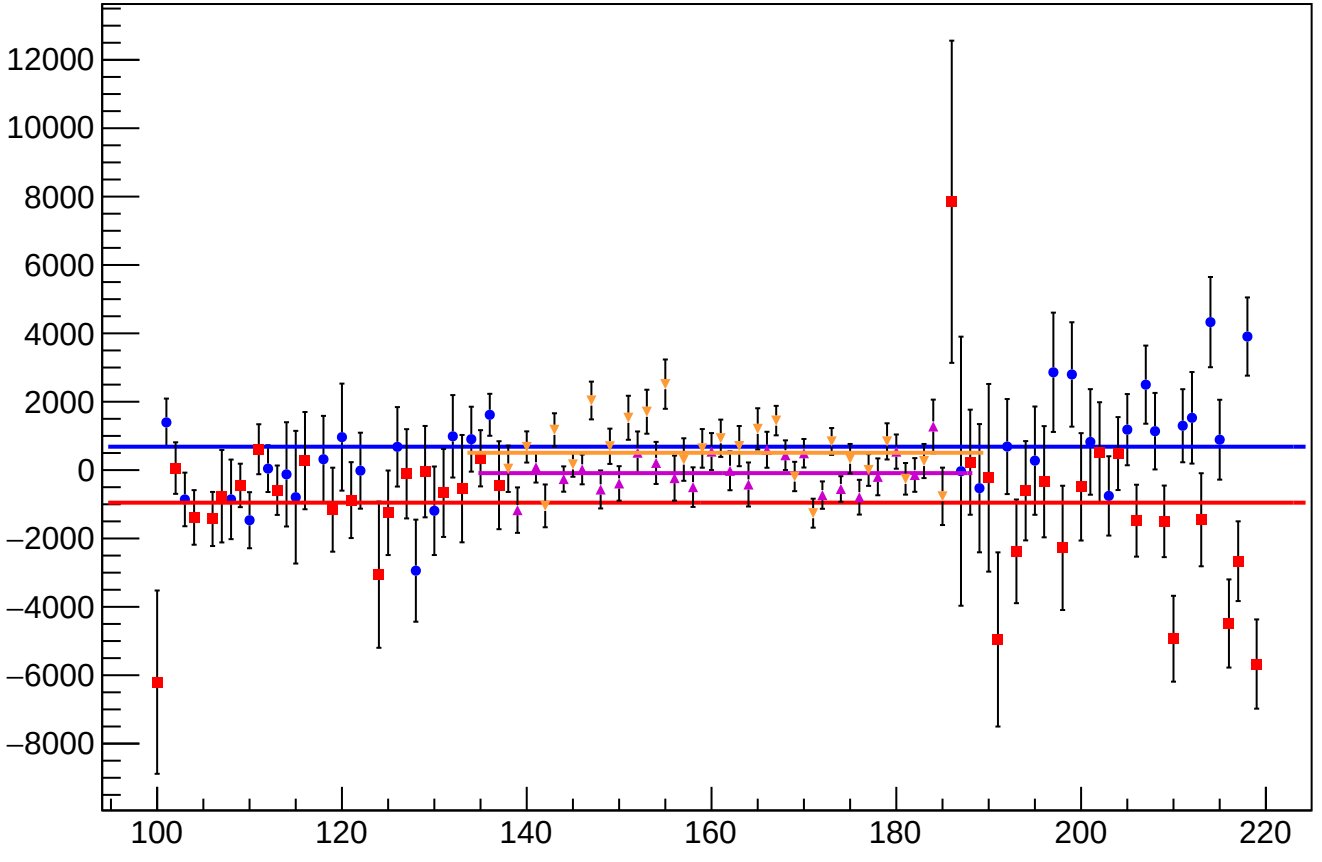
Right: 70.466+/-0.008 χ^2/NDF: 3046673.6/68

In: 62.858+/-0.007 χ^2/NDF:3445207.9/54

Out: 63.433+/-0.007 χ^2/NDF:4448578.3/61

All: 63.151+/-0.005 χ^2/NDF: 7896836.1/116

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 684.433+/-196.119 χ^2/NDF: 51.0/31

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

Right Out: -952.609+/-189.100 χ^2/NDF: 61.8/36

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

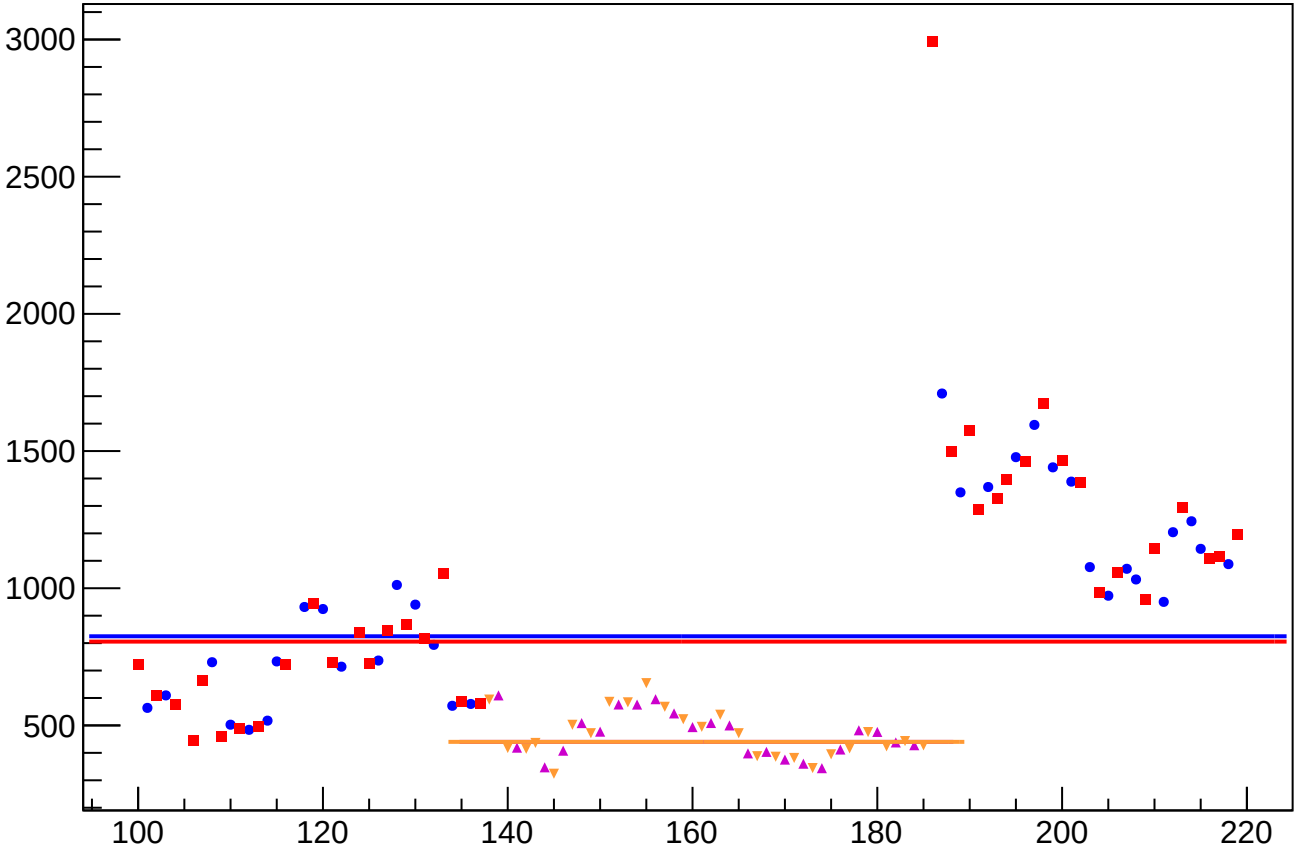
Right: -163.906+/-136.128 χ^2/NDF: 148.9/68

In: 82.549+/-92.253 χ^2/NDF:86.4/54

Out: 179.290+/-89.620 χ^2/NDF:173.8/61

All: 132.320+/-64.282 χ^2/NDF: 260.8/116

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 824.888+/-0.139 χ^2/NDF: 4729782.1/31

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 805.536+/-0.134 χ^2/NDF: 6522218.7/36

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

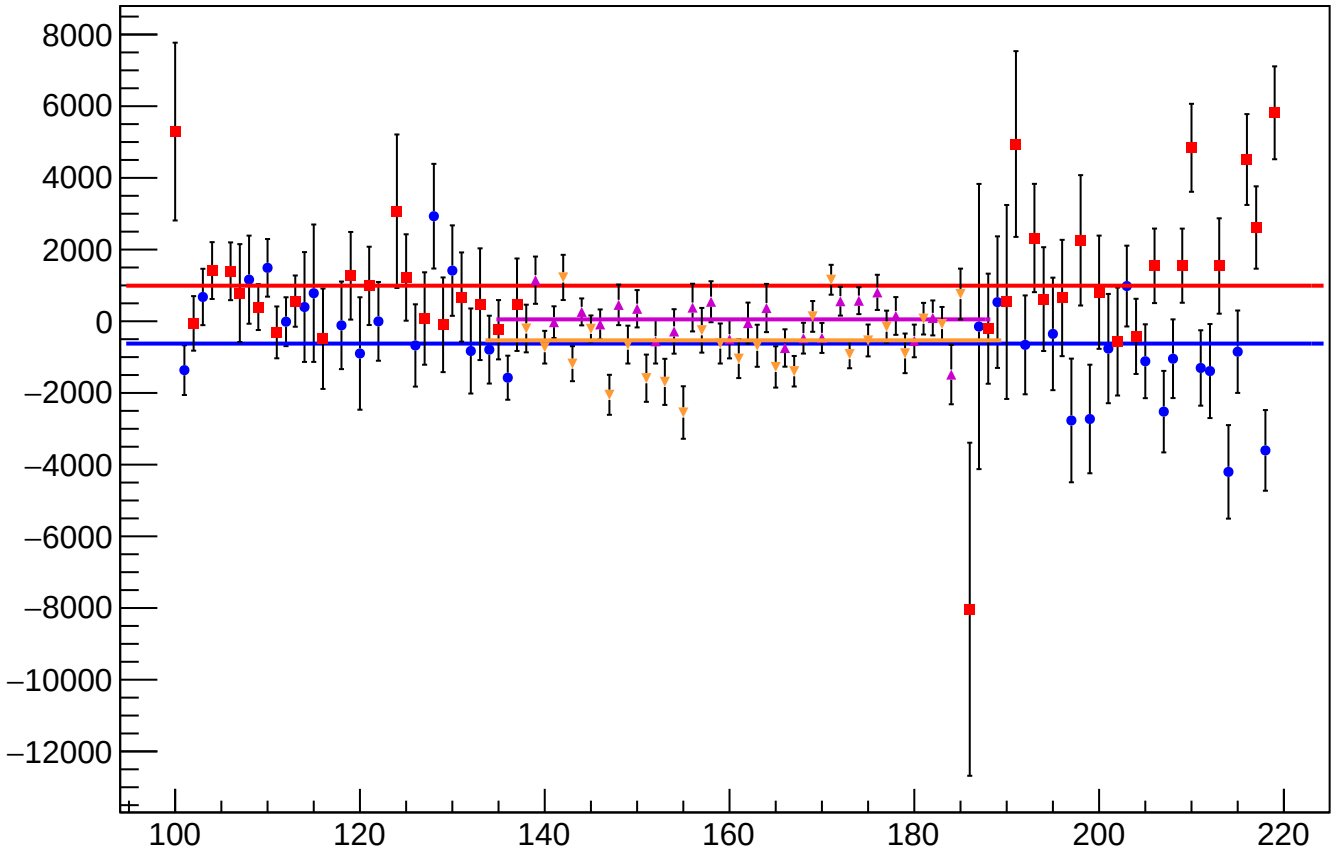
Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

Right: 814.859+/-0.096 χ^2/NDF: 11262092.5/68

In: 525.067+/-0.065 χ^2/NDF:11794093.0/54

Out: 522.160+/-0.063 χ^2/NDF:13511482.4/61

All: 523.572+/-0.045 χ^2/NDF: 25306597.2/11



Right In: -622.970+/-194.489 χ^2/NDF: 50.6/31

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 992.484+/-188.123 χ^2/NDF: 61.0/36

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

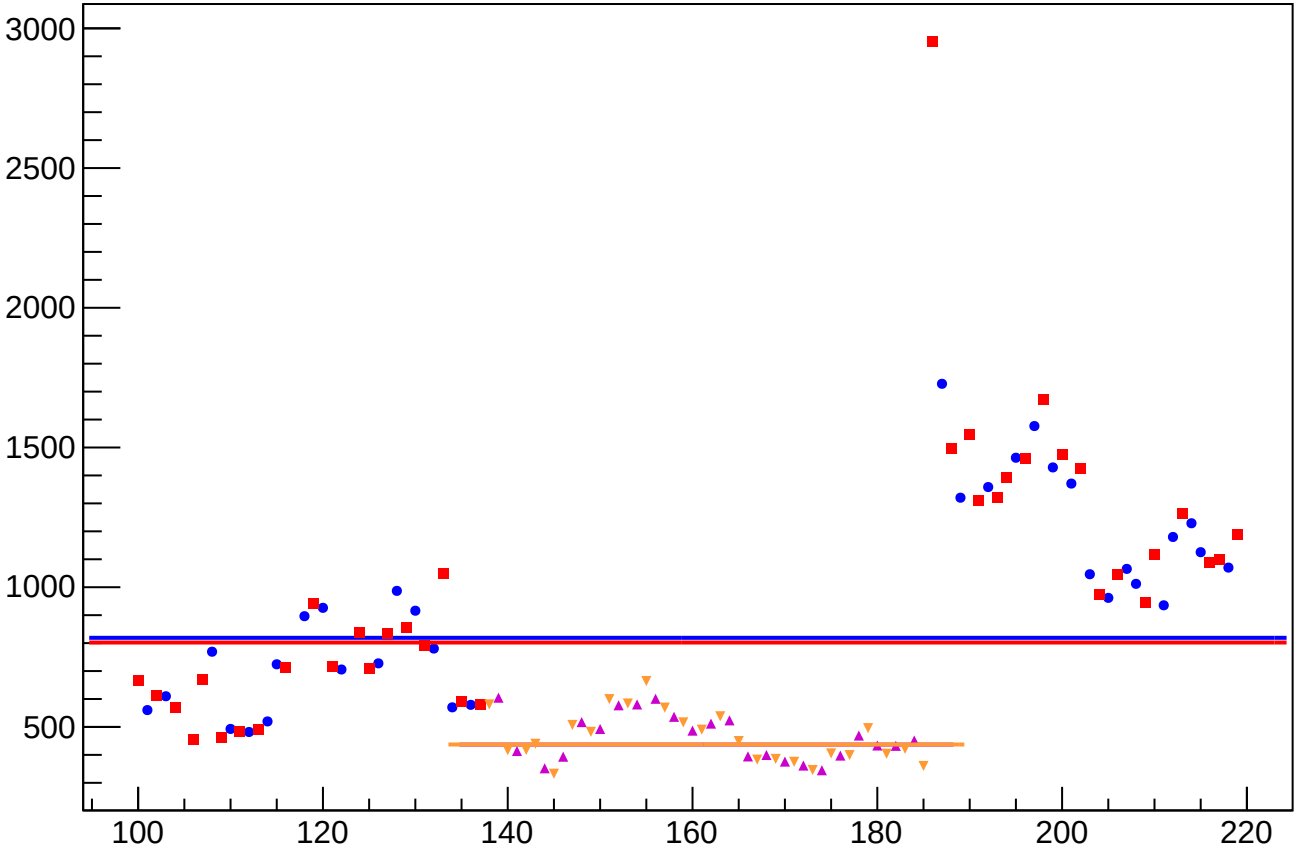
Right: 211.629+/-135.218 χ^2/NDF: 147.3/68

In: -97.363+/-91.622 χ^2/NDF:84.1/54

Out: -189.279+/-89.154 χ^2/NDF:177.4/61

All: -144.576+/-63.896 χ^2/NDF: 262.1/116

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 818.961+/-0.138 χ^2/NDF: 4617136.6/31

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 802.125+/-0.133 χ^2/NDF: 6443624.6/36

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

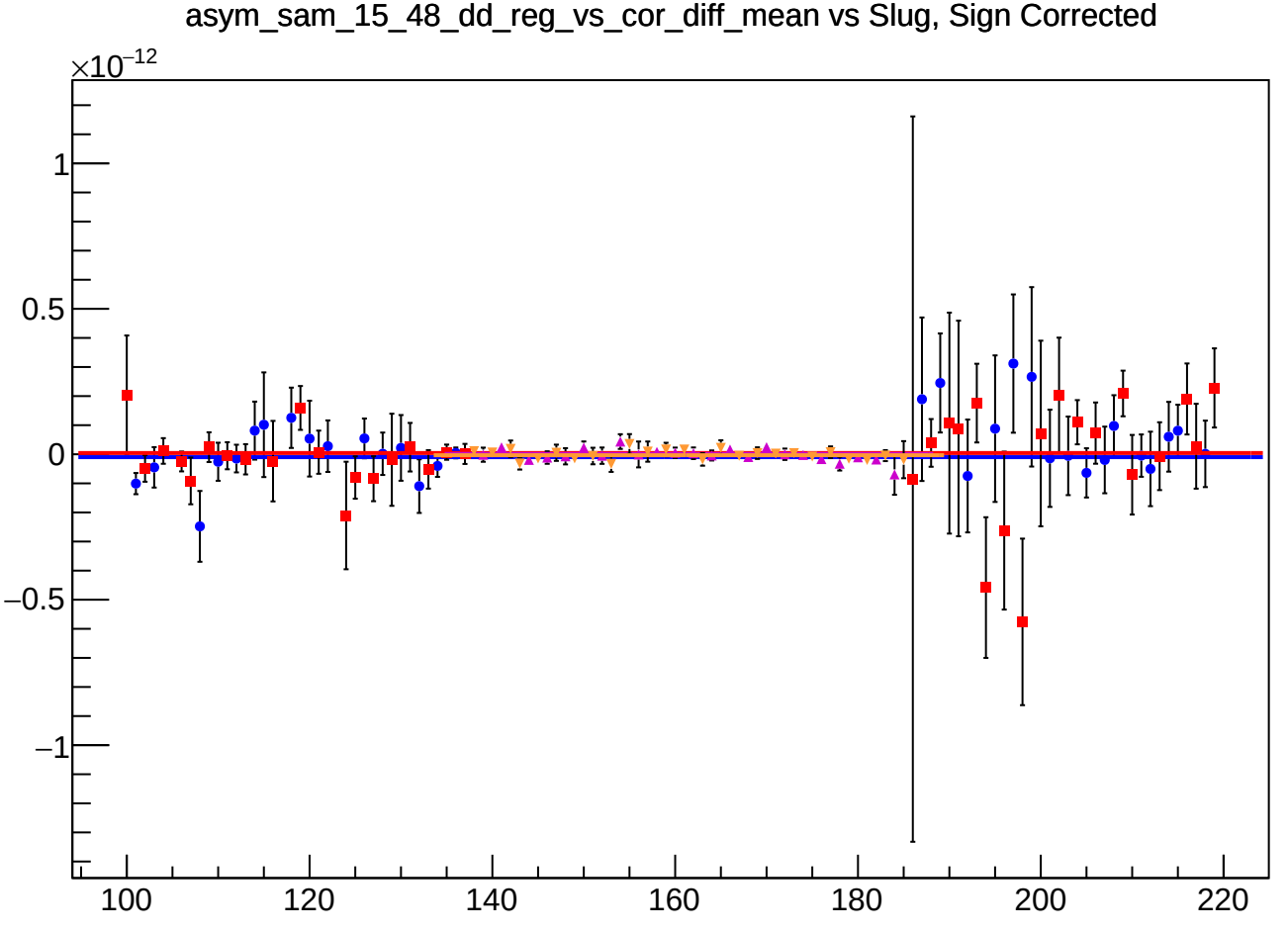
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 810.263+/-0.096 χ^2/NDF: 11068503.1/68

In: 521.718+/-0.065 χ^2/NDF:11701135.9/54

Out: 519.126+/-0.063 χ^2/NDF:13508037.0/61

All: 520.387+/-0.045 χ^2/NDF: 25209995.4/11



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.2/36

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

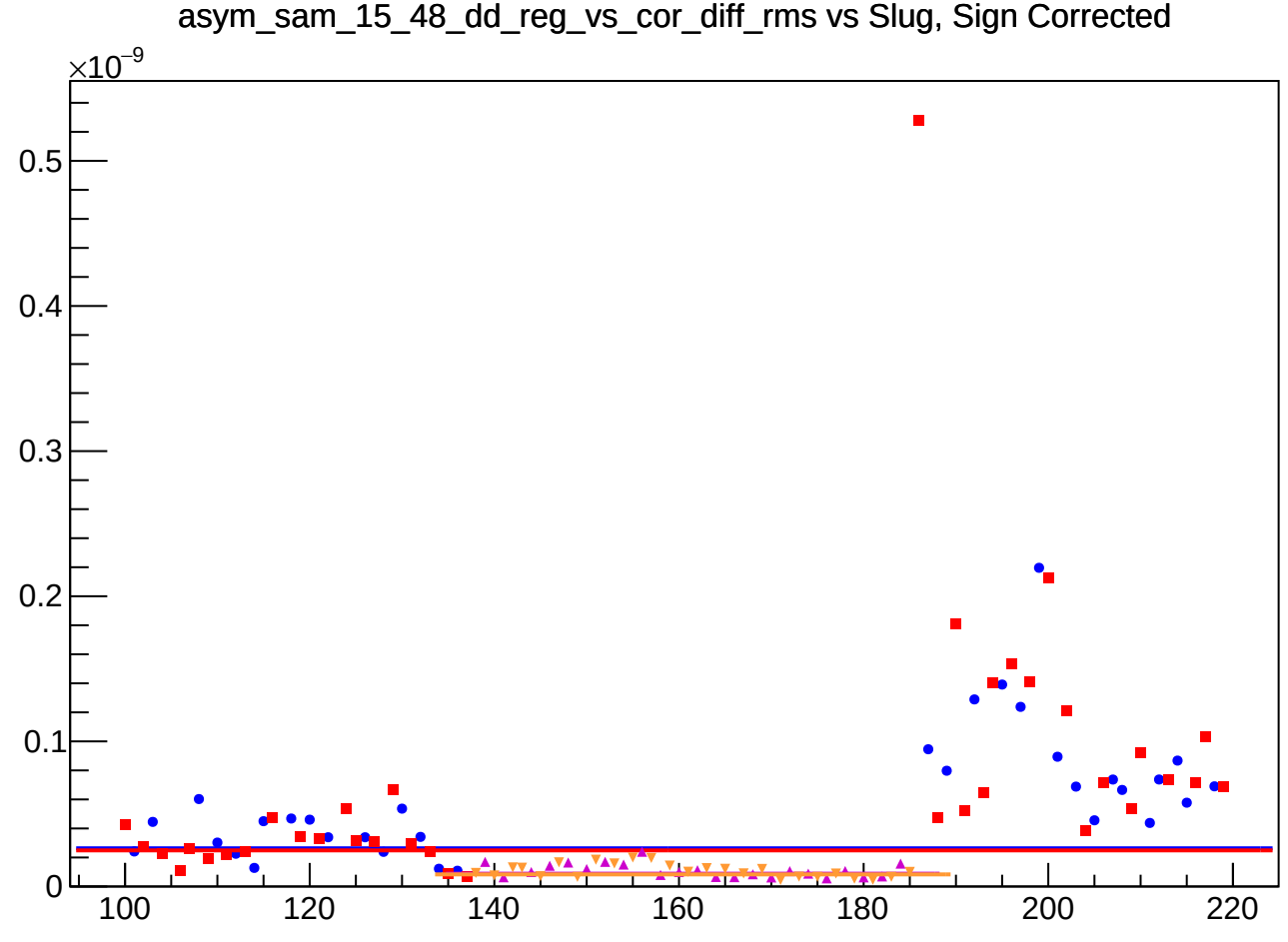
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 66.6/68

In: 0.000+/-0.000 χ^2/NDF:48.6/54

Out: -0.000+/-0.000 χ^2/NDF:54.9/61

All: -0.000+/-0.000 χ^2/NDF: 103.8/116



Right In: 0.000+/-0.000 χ^2/NDF: 7368930.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8047896.1/36

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

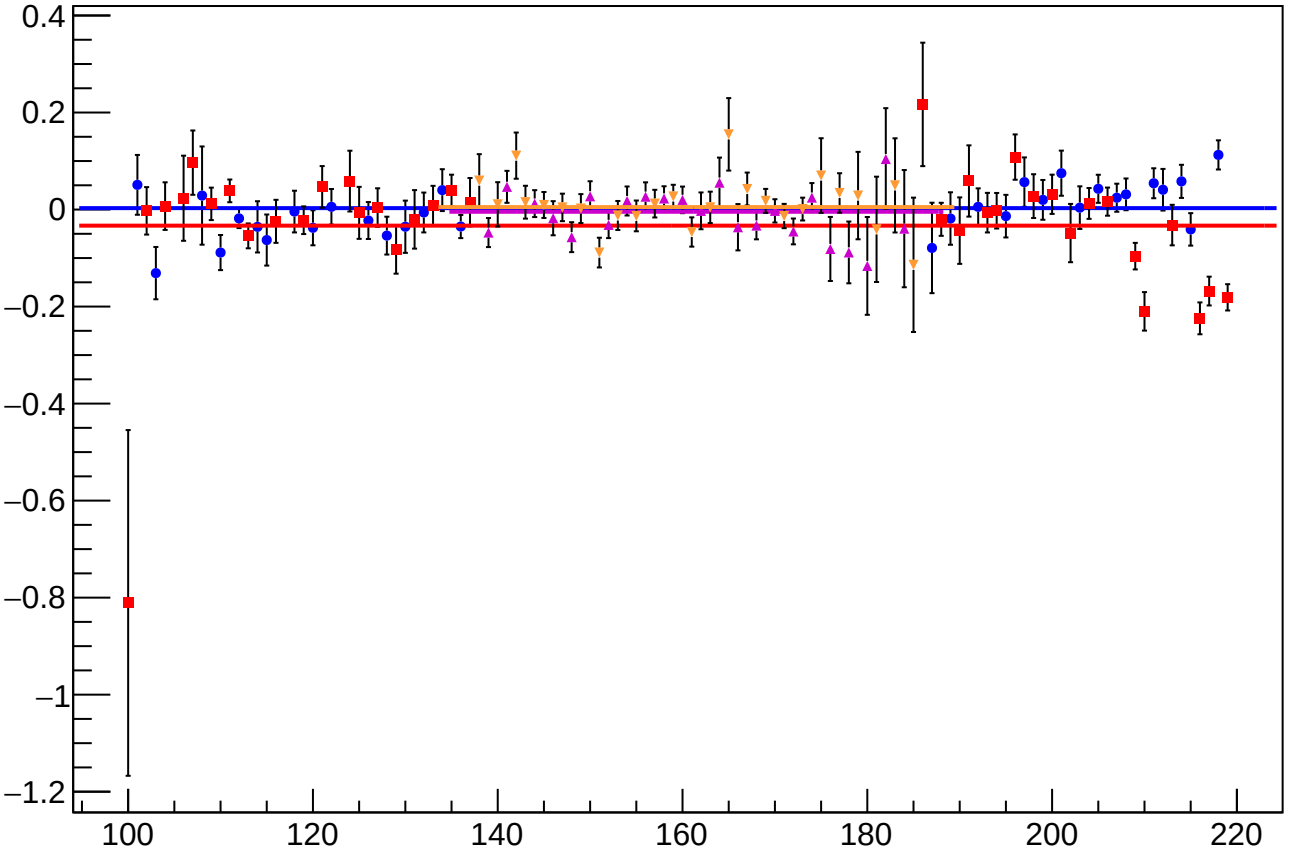
Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

Right: 0.000+/-0.000 χ^2/NDF: 15431736.2/68

In: 0.000+/-0.000 χ^2/NDF:13090905.8/54

Out: 0.000+/-0.000 χ^2/NDF:14164130.3/61

All: 0.000+/-0.000 χ^2/NDF: 27293185.8/116



Right In: 0.003+/-0.007 χ^2/NDF: 53.3/31

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.033+/-0.006 χ^2/NDF: 171.5/36

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

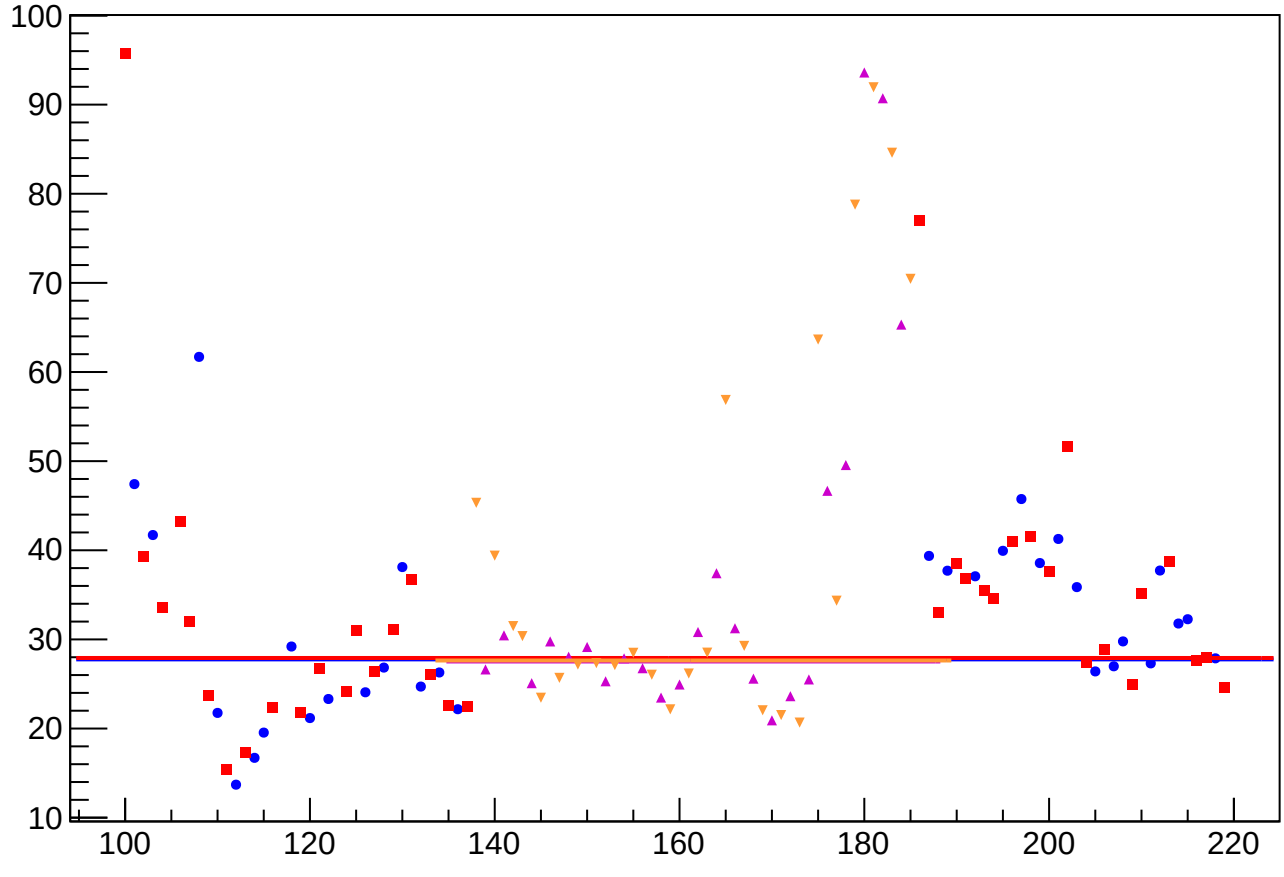
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.016+/-0.005 χ^2/NDF: 240.1/68

In: -0.001+/-0.005 χ^2/NDF:79.0/54

Out: -0.015+/-0.005 χ^2/NDF:216.5/61

All: -0.008+/-0.003 χ^2/NDF: 300.3/116



Right In: 27.759+/-0.005 χ^2/NDF: 3247413.3/31

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.916+/-0.005 χ^2/NDF: 3077460.3/36

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

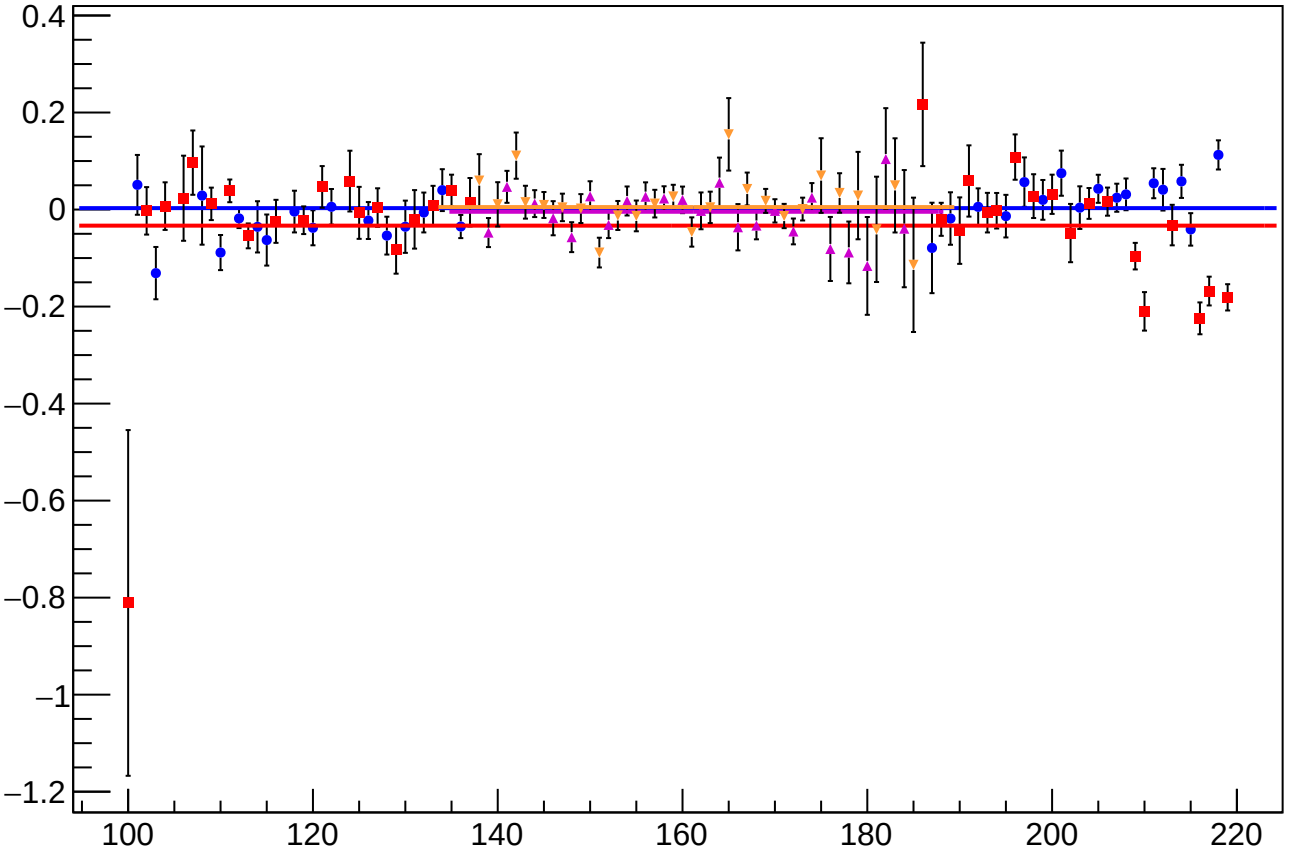
Right: 27.840+/-0.003 χ^2/NDF: 6325454.6/68

In: 27.648+/-0.003 χ^2/NDF:5883142.7/54

Out: 27.785+/-0.003 χ^2/NDF:7053341.9/61

All: 27.718+/-0.002 χ^2/NDF: 12937317.9/116

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.007 χ^2/NDF: 53.3/31

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.033+/-0.006 χ^2/NDF: 171.5/36

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

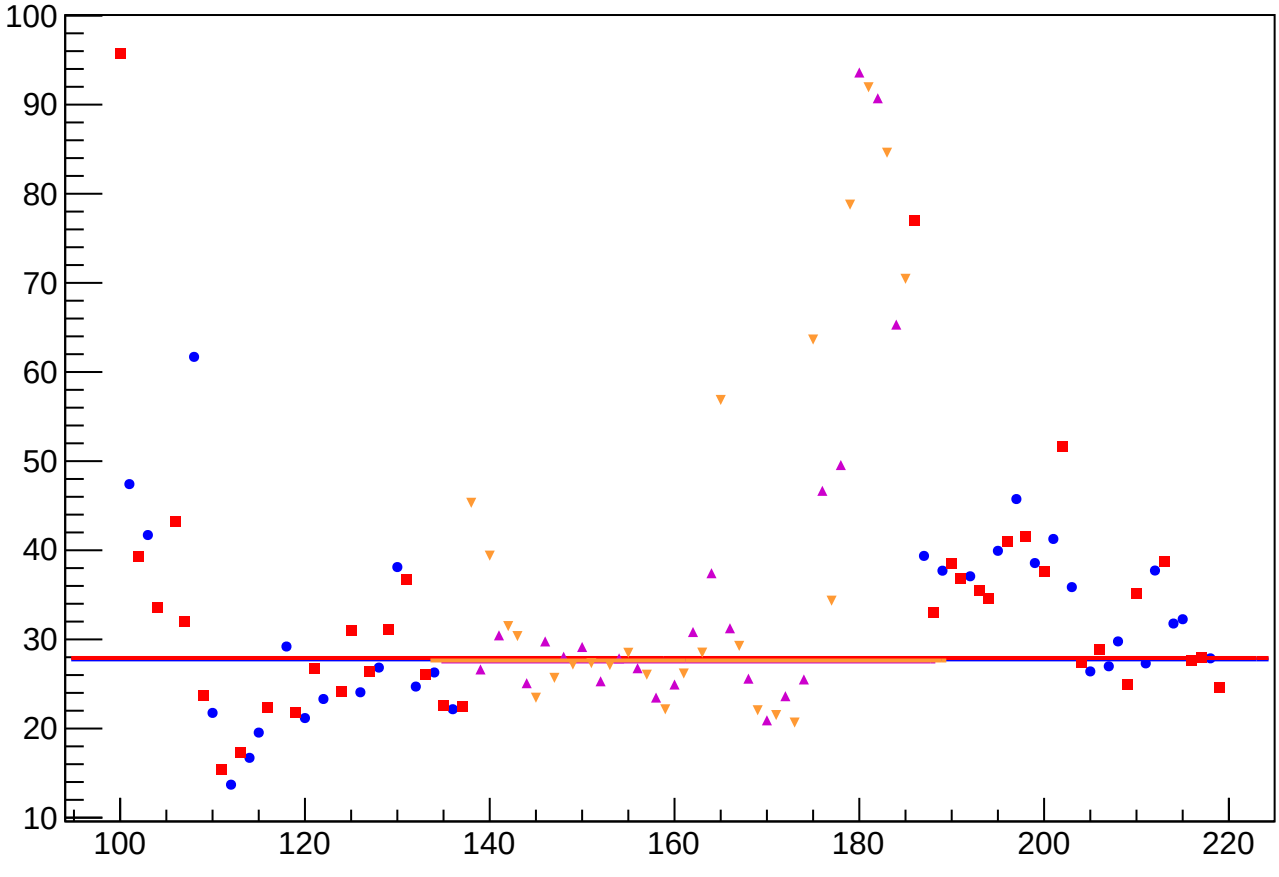
Right: -0.016+/-0.005 χ^2/NDF: 240.1/68

In: -0.001+/-0.005 χ^2/NDF:79.0/54

Out: -0.015+/-0.005 χ^2/NDF:216.5/61

All: -0.008+/-0.003 χ^2/NDF: 300.3/116

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.759+/-0.005 χ^2/NDF: 3247413.3/31

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.916+/-0.005 χ^2/NDF: 3077460.3/36

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

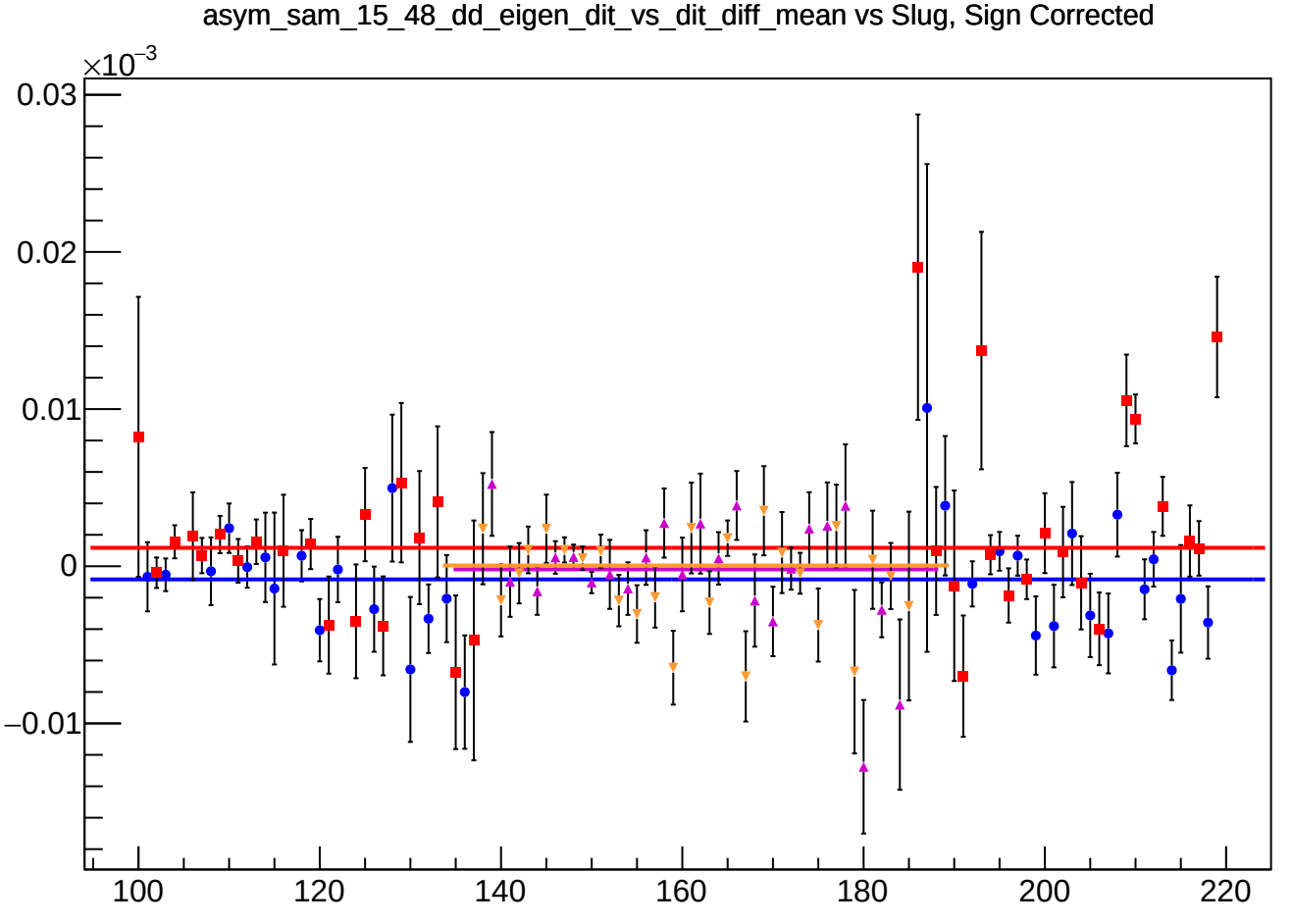
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.840+/-0.003 χ^2/NDF: 6325454.6/68

In: 27.648+/-0.003 χ^2/NDF:5883142.7/54

Out: 27.785+/-0.003 χ^2/NDF:7053341.9/61

All: 27.718+/-0.002 χ^2/NDF: 12937317.9/116



Right In: -0.000+/-0.000 χ^2/NDF: 43.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 90.8/36

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

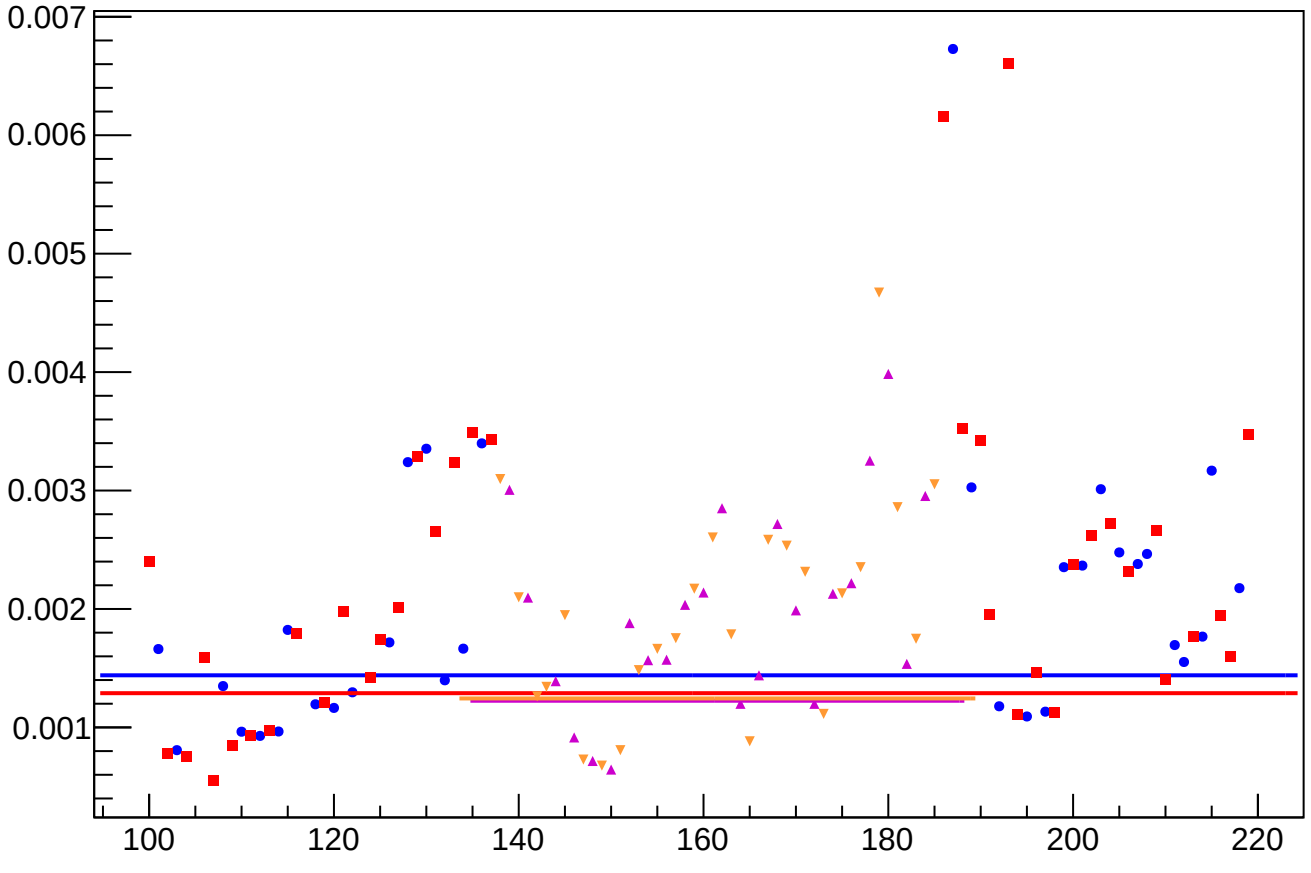
Right: 0.000+/-0.000 χ^2/NDF: 151.6/68

In: -0.000+/-0.000 χ^2/NDF:78.5/54

Out: 0.000+/-0.000 χ^2/NDF:133.8/61

All: 0.000+/-0.000 χ^2/NDF: 223.1/116

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6175286.7/31

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9836388.5/36

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

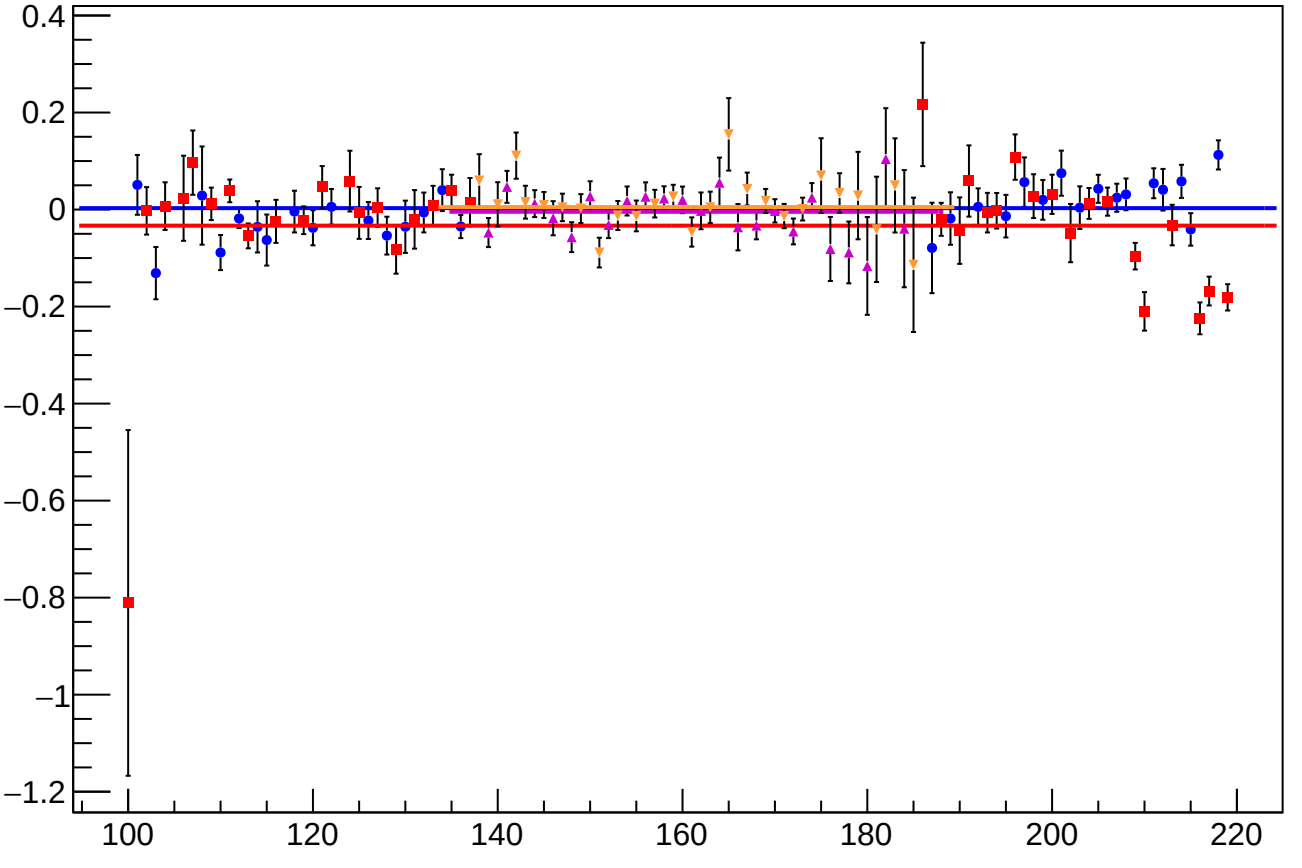
Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

Right: 0.001+/-0.000 χ^2/NDF: 16206897.5/68

In: 0.001+/-0.000 χ^2/NDF:14385935.9/54

Out: 0.001+/-0.000 χ^2/NDF:18196210.3/61

All: 0.001+/-0.000 χ^2/NDF: 32641736.5/116



Right In: 0.003+/-0.007 χ^2/NDF: 53.3/31

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.033+/-0.006 χ^2/NDF: 171.5/36

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

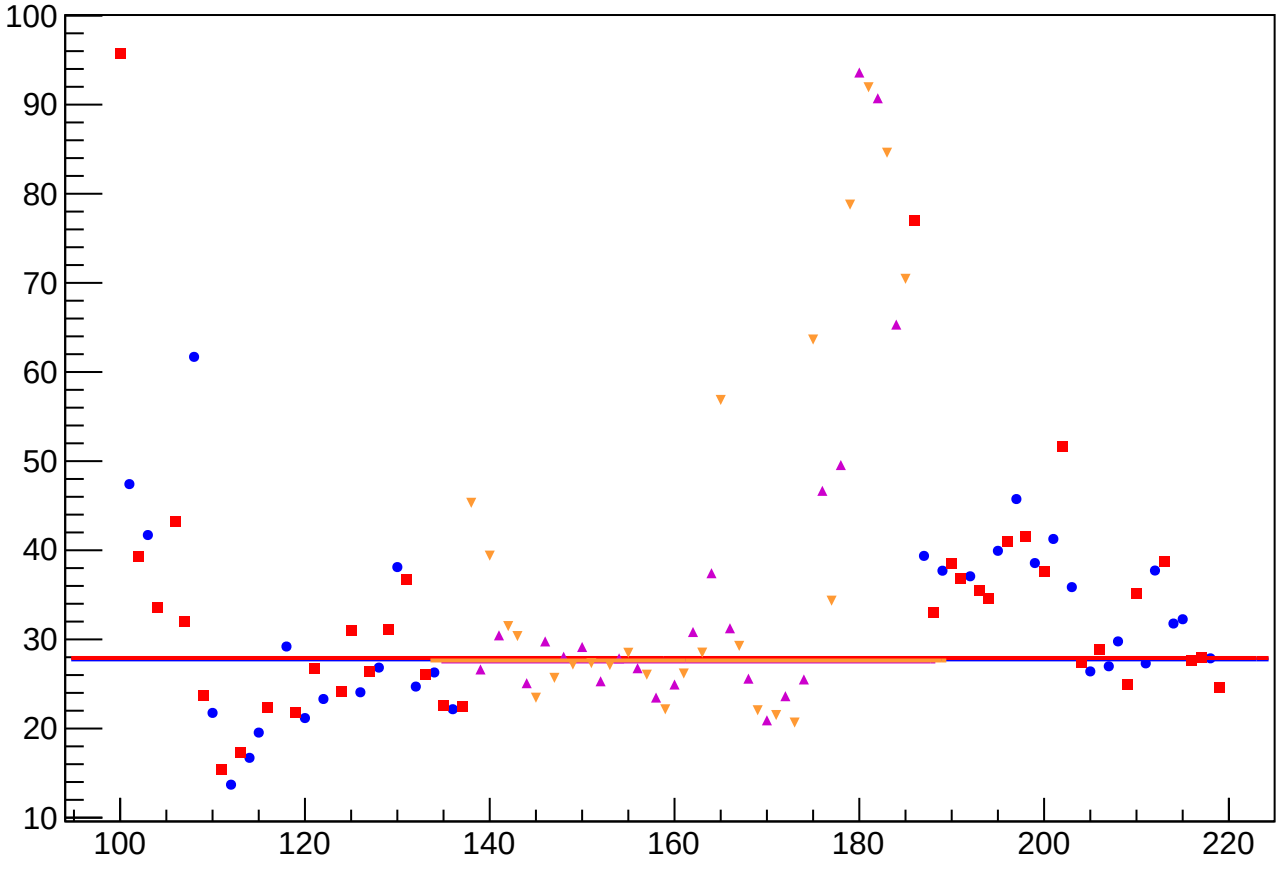
Right: -0.016+/-0.005 χ^2/NDF: 240.1/68

In: -0.001+/-0.005 χ^2/NDF:79.0/54

Out: -0.015+/-0.005 χ^2/NDF:216.5/61

All: -0.008+/-0.003 χ^2/NDF: 300.3/116

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.759+/-0.005 χ^2/NDF: 3247390.9/31

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.916+/-0.005 χ^2/NDF: 3077570.7/36

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

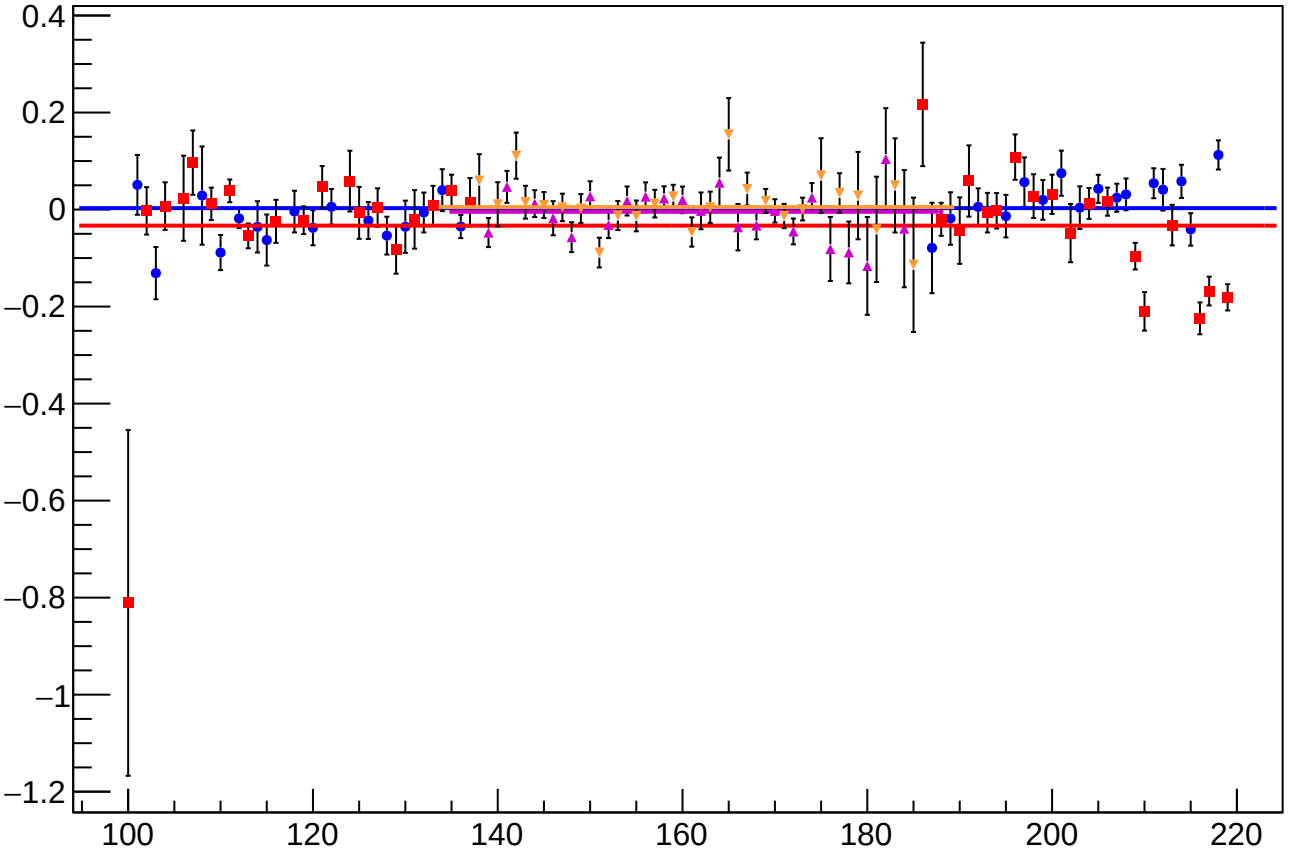
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.840+/-0.003 χ^2/NDF: 6325542.4/68

In: 27.648+/-0.003 χ^2/NDF:5883085.6/54

Out: 27.785+/-0.003 χ^2/NDF:7053387.5/61

All: 27.718+/-0.002 χ^2/NDF: 12937307.0/116



Right In: 0.003+/-0.007 χ^2/NDF: 53.3/31

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.033+/-0.006 χ^2/NDF: 171.5/36

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

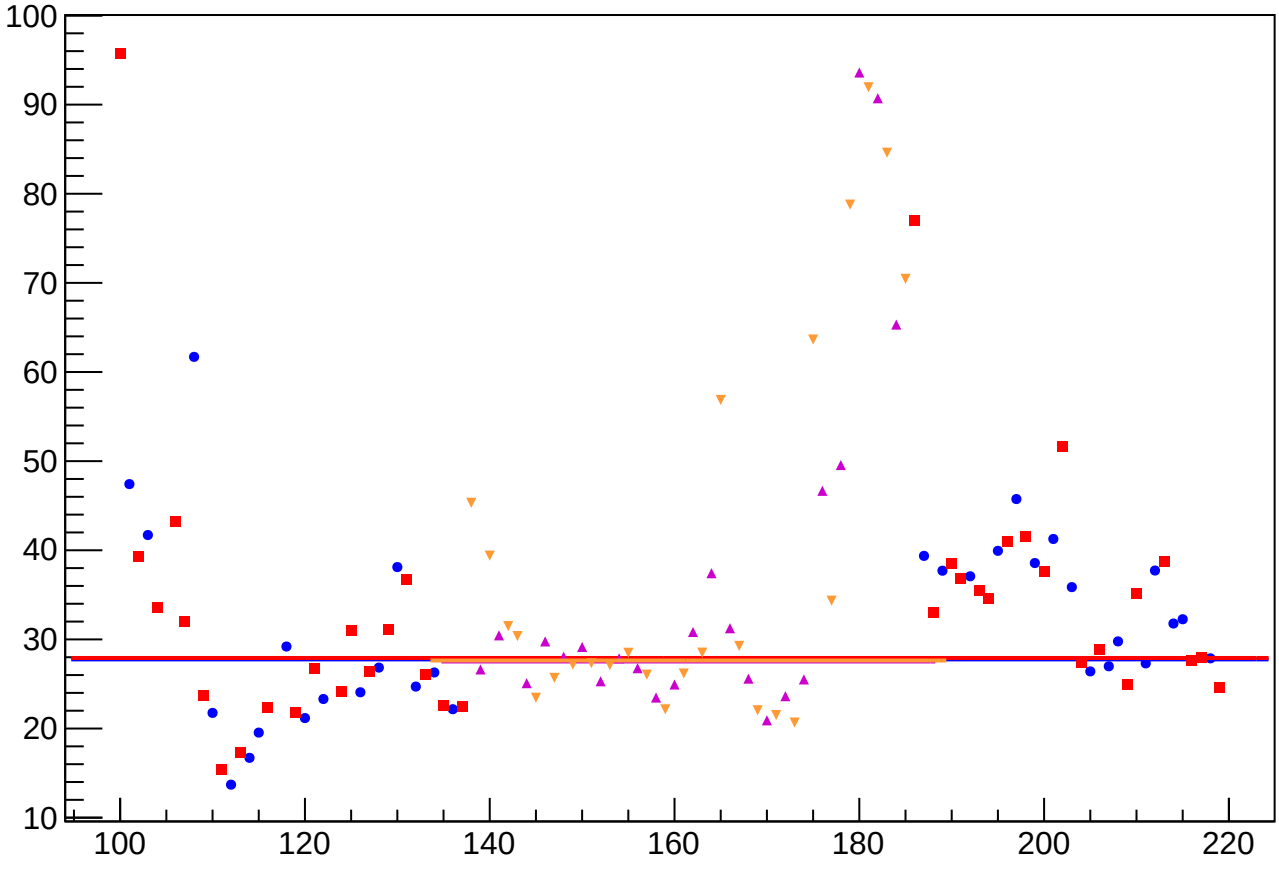
Right: -0.016+/-0.005 χ^2/NDF: 240.1/68

In: -0.001+/-0.005 χ^2/NDF:79.0/54

Out: -0.015+/-0.005 χ^2/NDF:216.5/61

All: -0.008+/-0.003 χ^2/NDF: 300.3/116

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.759+/-0.005 χ^2/NDF: 3247390.9/31

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.916+/-0.005 χ^2/NDF: 3077570.7/36

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

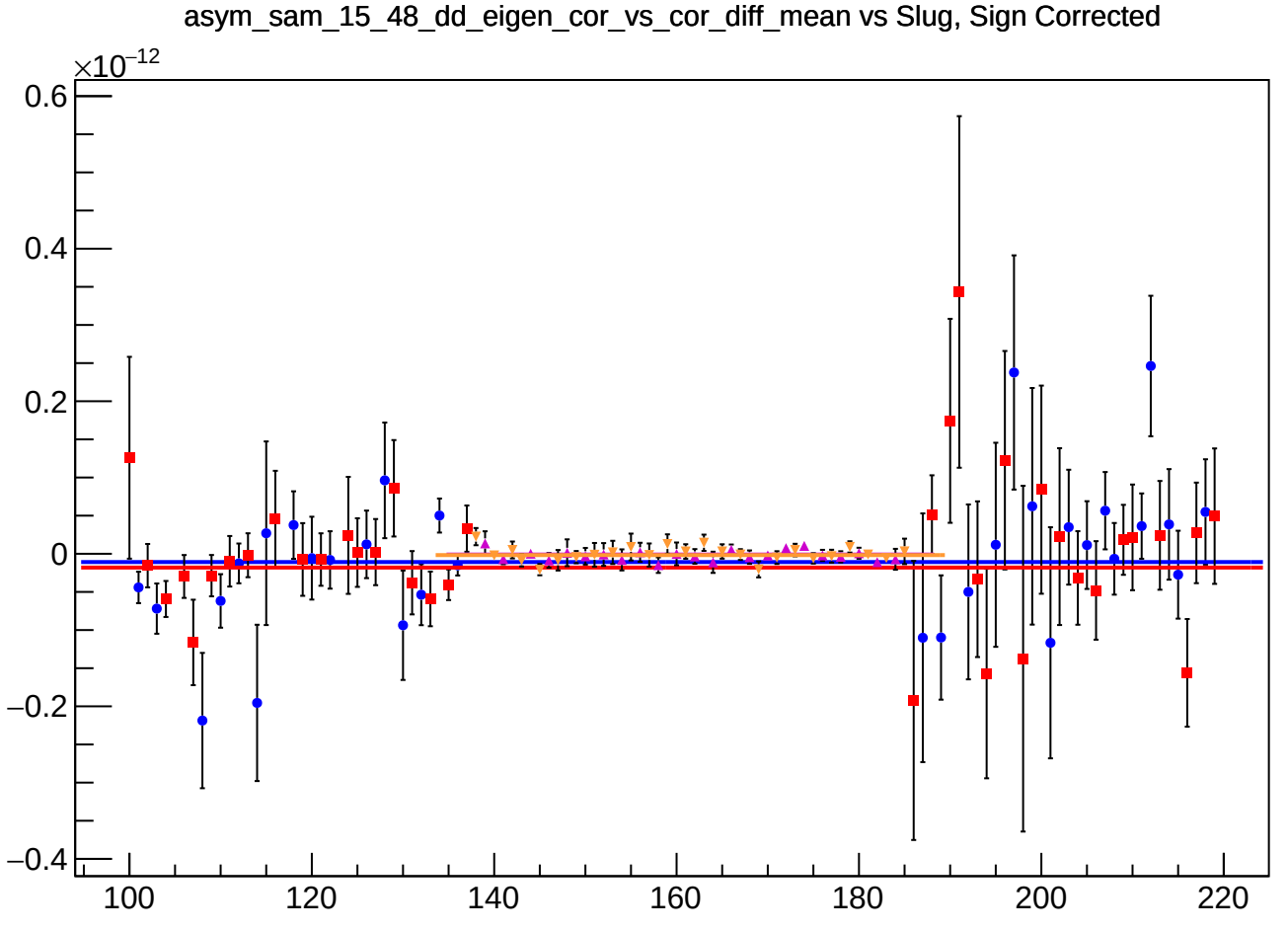
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.840+/-0.003 χ^2/NDF: 6325542.4/68

In: 27.648+/-0.003 χ^2/NDF:5883085.6/54

Out: 27.785+/-0.003 χ^2/NDF:7053387.5/61

All: 27.718+/-0.002 χ^2/NDF: 12937307.0/116



Right In: -0.000+/-0.000 χ^2/NDF: 48.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/36

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

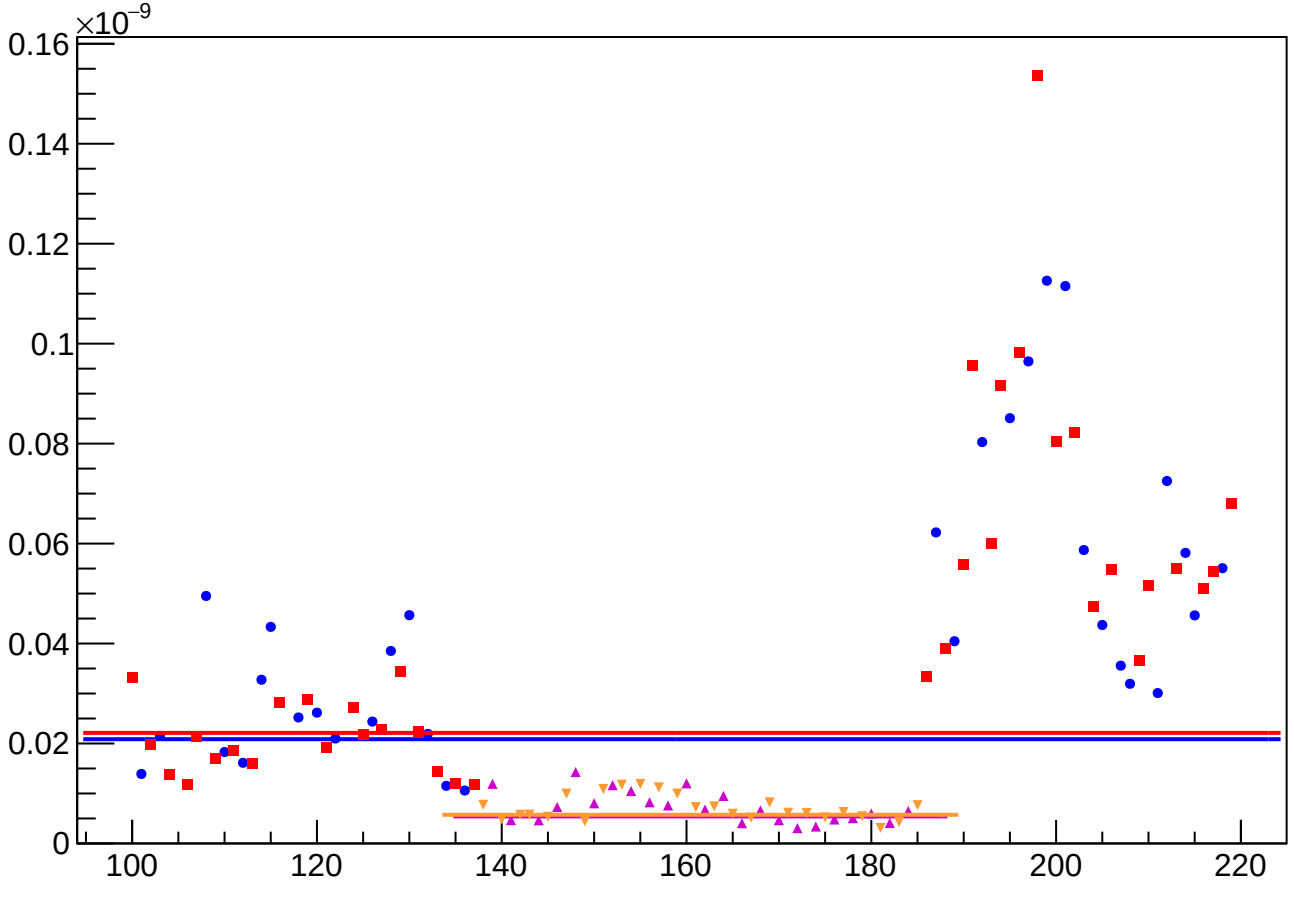
Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

Right: -0.000+/-0.000 χ^2/NDF: 84.0/68

In: -0.000+/-0.000 χ^2/NDF:66.9/54

Out: -0.000+/-0.000 χ^2/NDF:64.0/61

All: -0.000+/-0.000 χ^2/NDF: 131.2/116



Right In: 0.000+/-0.000 χ^2/NDF: 8909907.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8385023.2/36

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

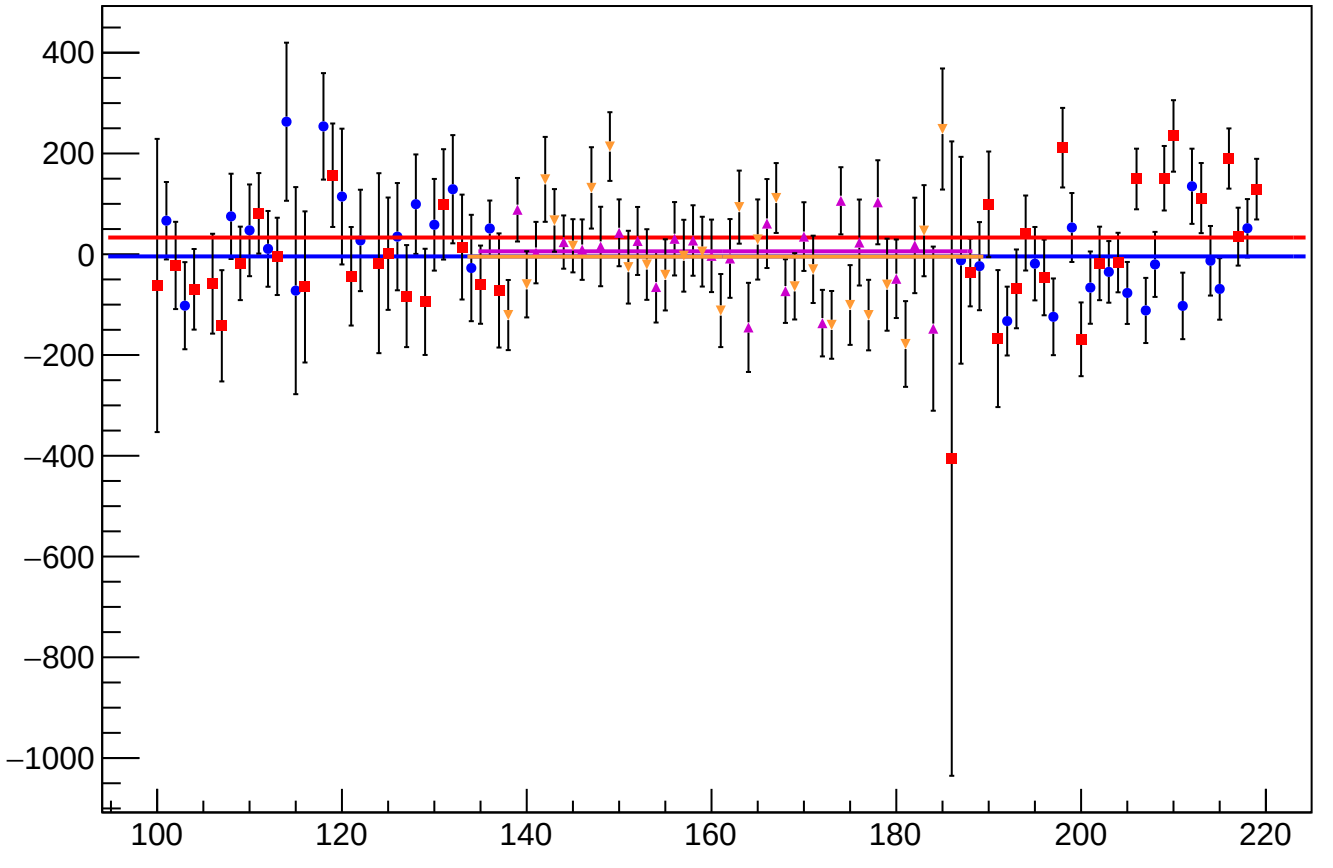
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17325648.3/68

In: 0.000+/-0.000 χ^2/NDF:21286481.8/54

Out: 0.000+/-0.000 χ^2/NDF:20600637.8/61

All: 0.000+/-0.000 χ^2/NDF: 41930378.6/116



Right In: -4.316+/-13.873 χ^2/NDF: 37.3/31

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 33.189+/-13.535 χ^2/NDF: 61.5/36

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

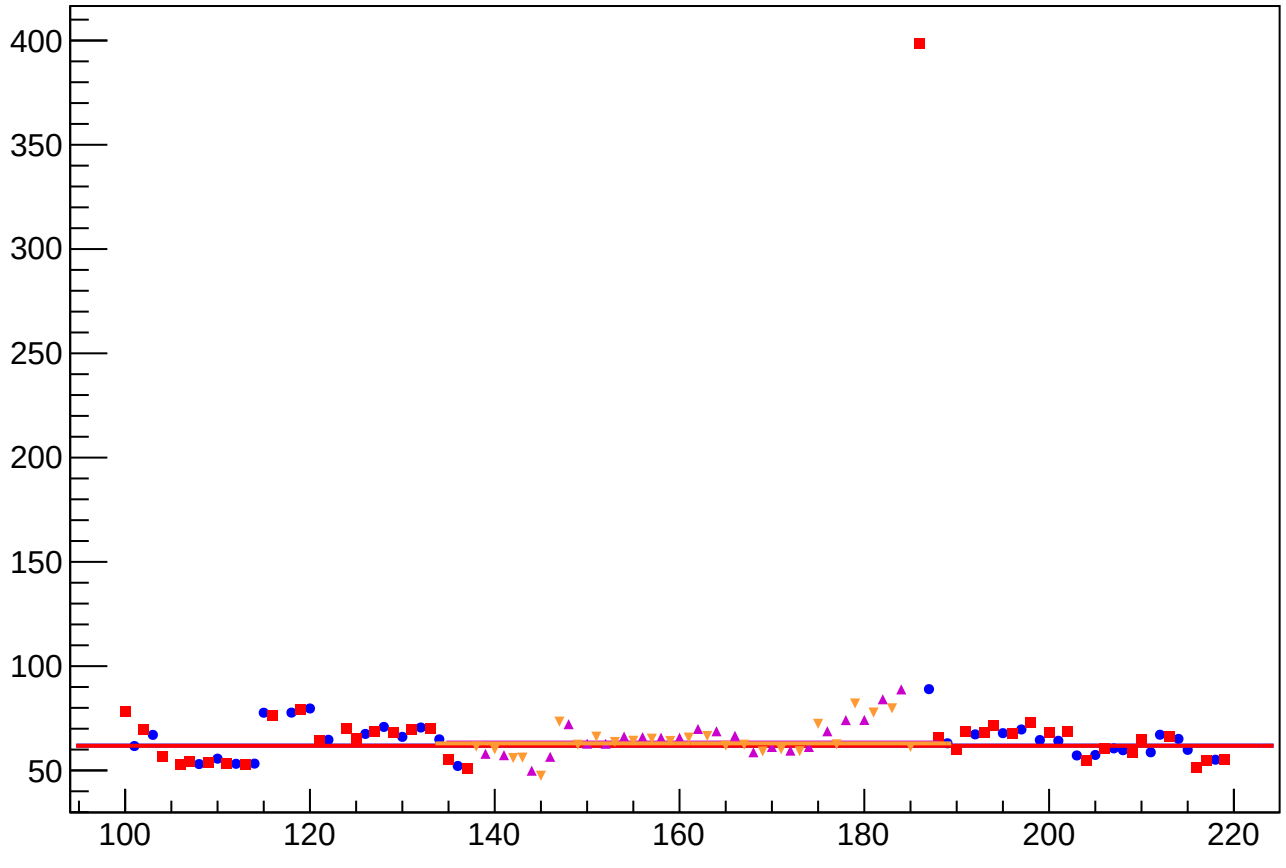
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: 14.900+/-9.688 χ^2/NDF: 102.6/68

In: 0.360+/-10.163 χ^2/NDF:55.8/54

Out: 15.439+/-9.872 χ^2/NDF:112.6/61

All: 8.118+/-7.081 χ^2/NDF: 169.5/116



Right In: 61.902+/-0.010 χ^2/NDF: 428285.0/31

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.812+/-0.010 χ^2/NDF: 1162944.9/36

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

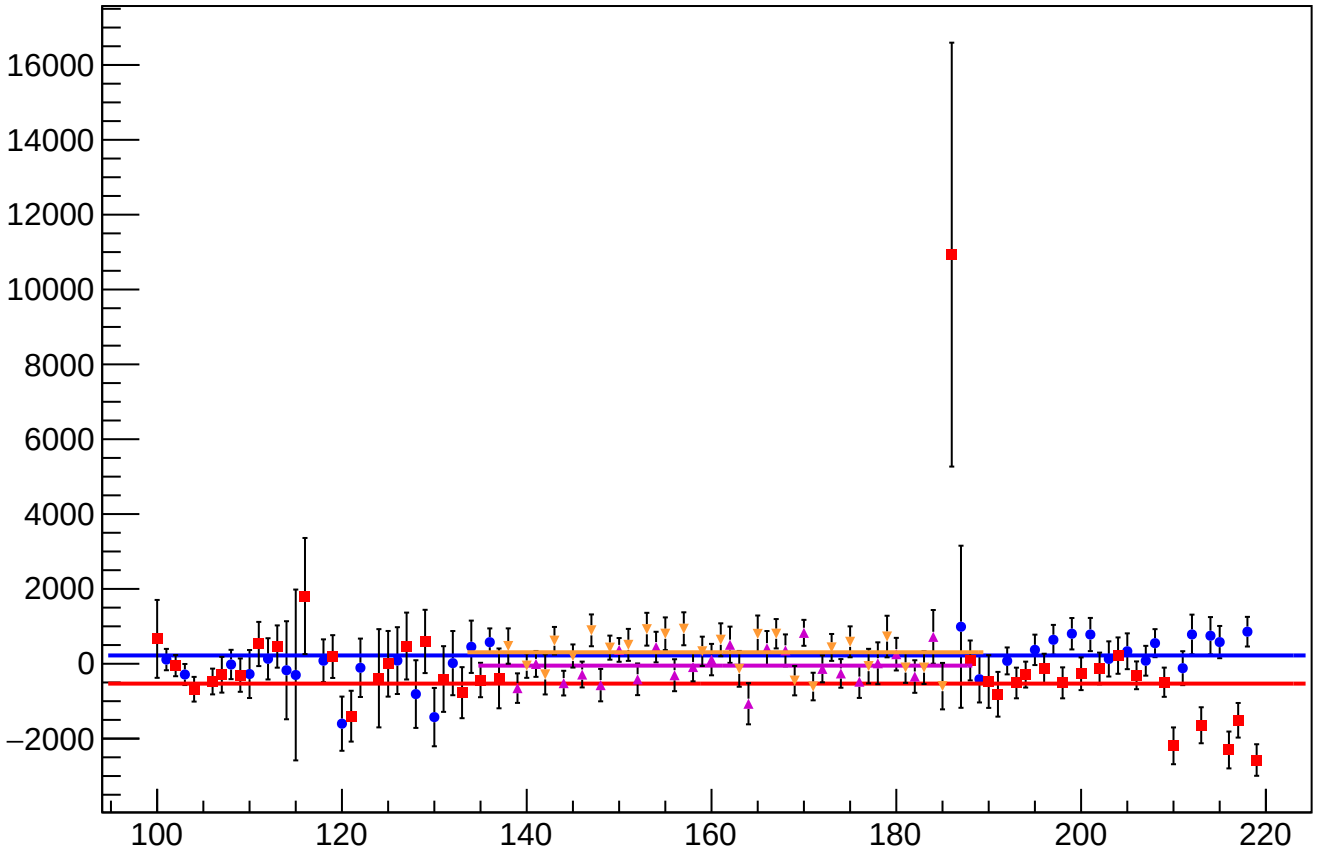
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 61.856+/-0.007 χ^2/NDF: 1591272.8/68

In: 62.580+/-0.007 χ^2/NDF:935522.6/54

Out: 62.357+/-0.007 χ^2/NDF:1696727.1/61

All: 62.465+/-0.005 χ^2/NDF: 2632745.6/116



Right In: 222.136+/-84.619 χ^2/NDF: 31.2/31

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: -530.563+/-80.840 χ^2/NDF: 89.3/36

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

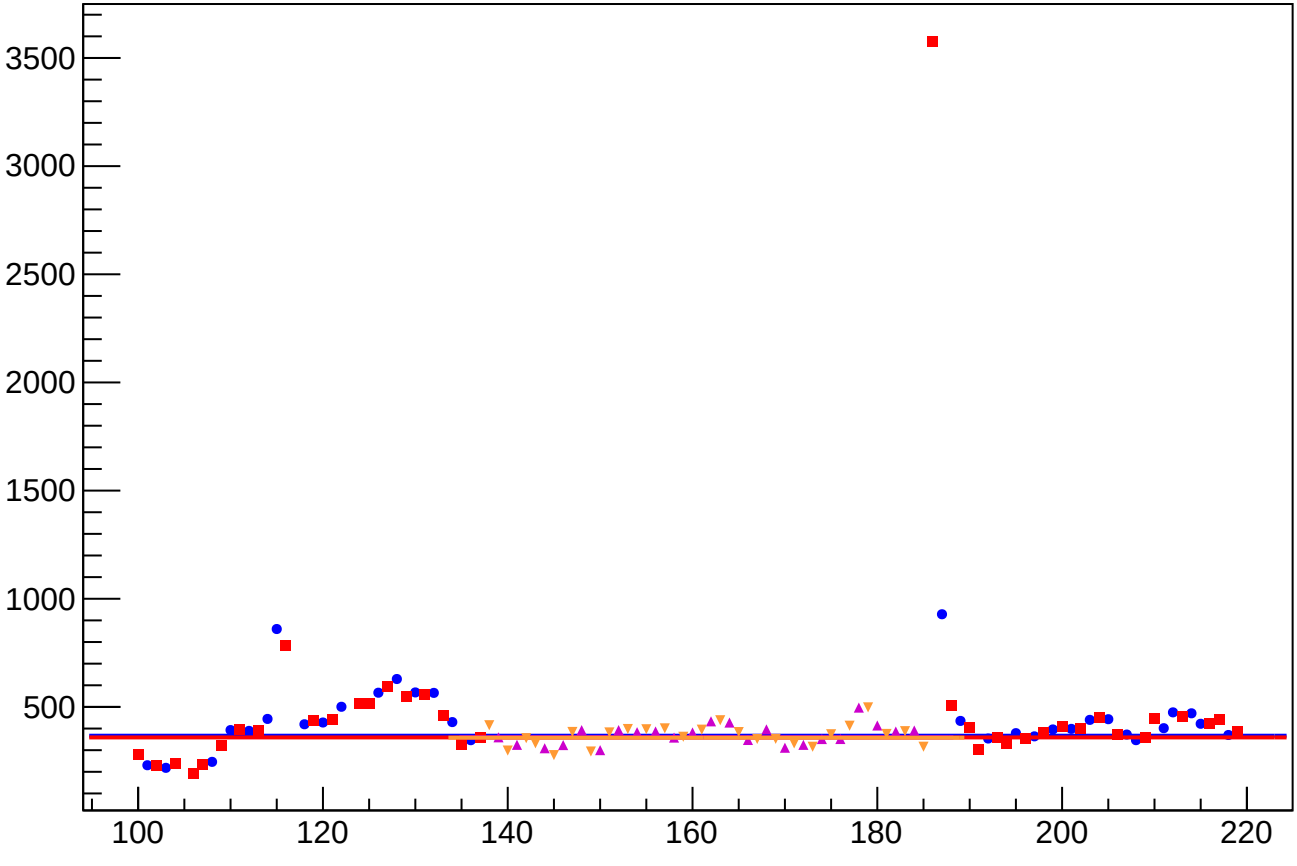
Right: -171.394+/-58.453 χ^2/NDF: 161.8/68

In: 86.405+/-59.912 χ^2/NDF:63.6/54

Out: -119.498+/-57.693 χ^2/NDF:172.6/61

All: -20.430+/-41.557 χ^2/NDF: 242.4/116

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 366.855+/-0.060 χ^2/NDF: 2434374.6/31

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 358.979+/-0.057 χ^2/NDF: 3281536.0/36

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

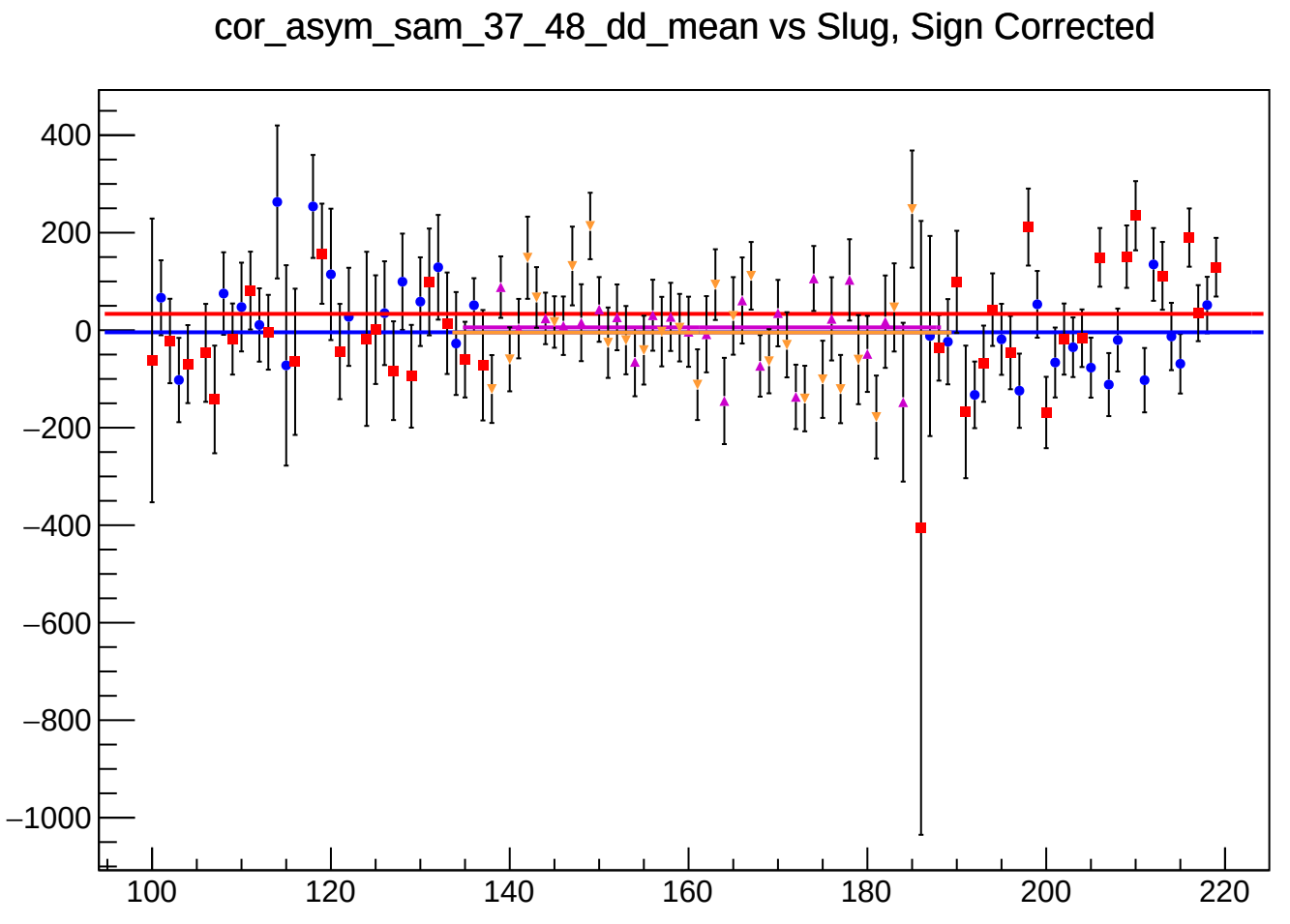
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 362.737+/-0.041 χ^2/NDF: 5724968.1/68

In: 363.112+/-0.042 χ^2/NDF:2961980.4/54

Out: 358.367+/-0.041 χ^2/NDF:3965500.3/61

All: 360.650+/-0.029 χ^2/NDF: 6933990.2/116



Right In: -4.321+/-13.873 χ^2/NDF: 37.3/31

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 33.456+/-13.538 χ^2/NDF: 61.3/36

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

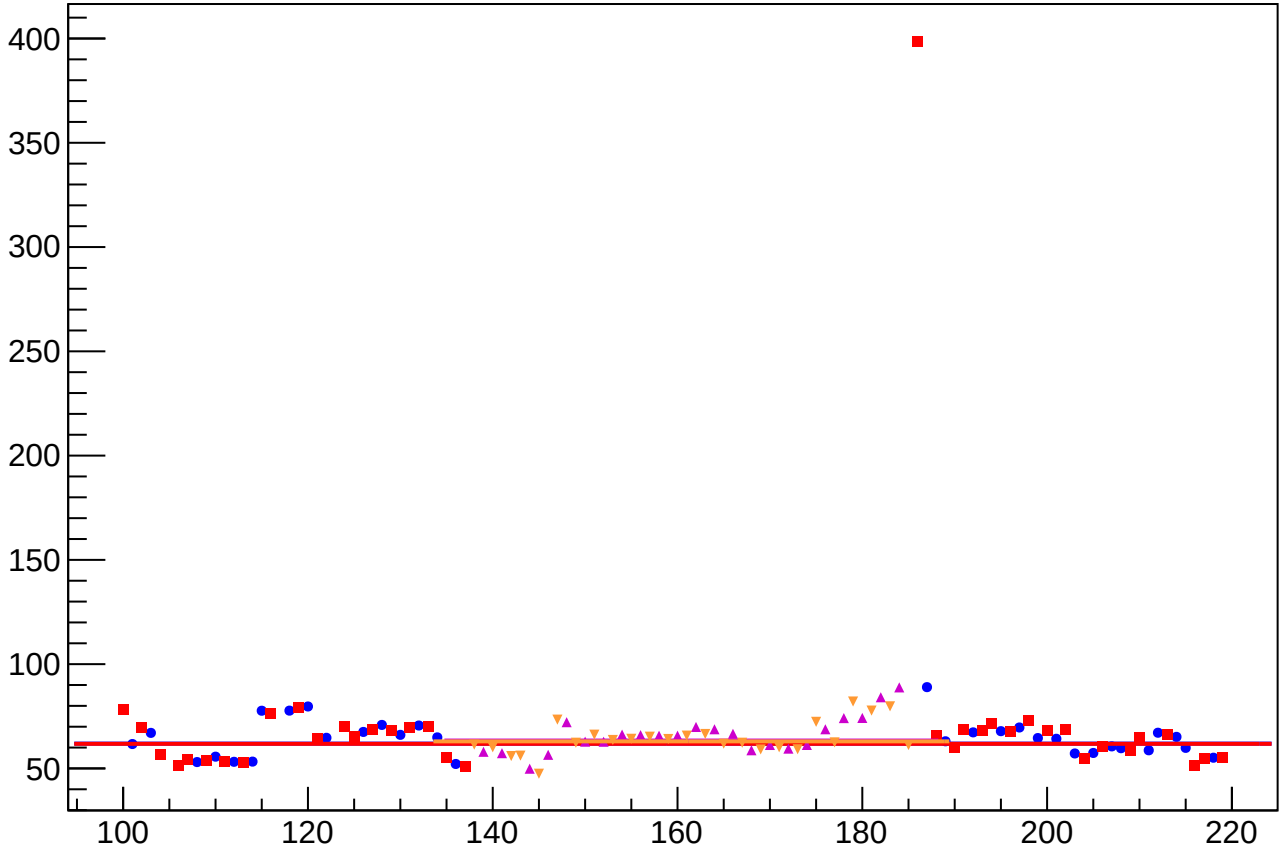
Right: 15.029+/-9.689 χ^2/NDF: 102.4/68

In: 0.357+/-10.163 χ^2/NDF:55.9/54

Out: 15.573+/-9.874 χ^2/NDF:112.4/61

All: 8.185+/-7.082 χ^2/NDF: 169.4/116

cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 61.902+/-0.010 χ^2/NDF: 428285.2/31

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.798+/-0.010 χ^2/NDF: 1166612.1/36

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

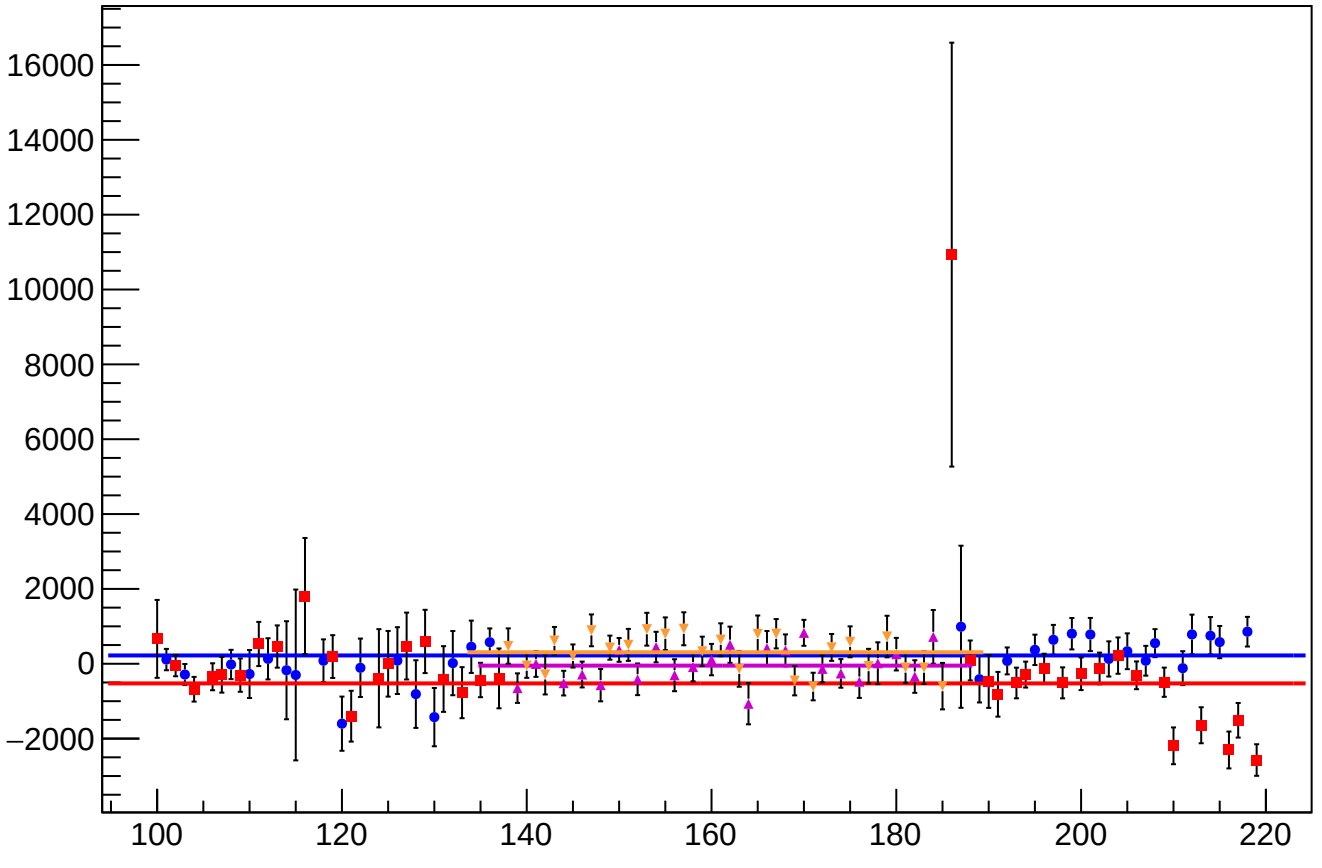
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 61.849+/-0.007 χ^2/NDF: 1594954.8/68

In: 62.580+/-0.007 χ^2/NDF:935522.8/54

Out: 62.349+/-0.007 χ^2/NDF:1700562.7/61

All: 62.461+/-0.005 χ^2/NDF: 2636614.9/116



Right In: 222.141+/-84.619 χ^2/NDF: 31.2/31

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -524.582+/-81.039 χ^2/NDF: 89.5/36

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

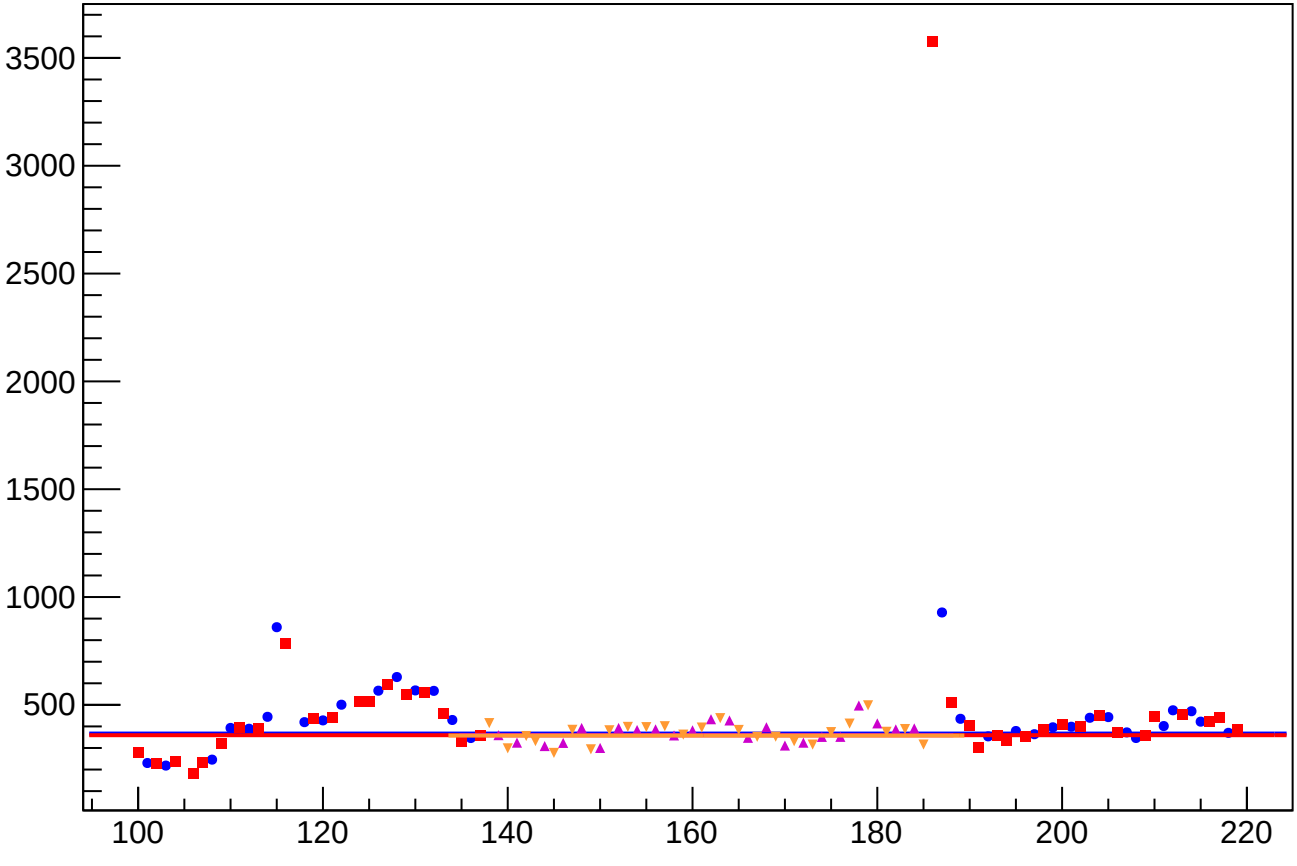
Right: -167.350+/-58.528 χ^2/NDF: 161.3/68

In: 86.408+/-59.912 χ^2/NDF:63.6/54

Out: -115.433+/-57.765 χ^2/NDF:172.0/61

All: -18.194+/-41.584 χ^2/NDF: 241.5/116

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 366.856+/-0.060 χ^2/NDF: 2434283.4/31

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 359.284+/-0.057 χ^2/NDF: 3294616.1/36

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

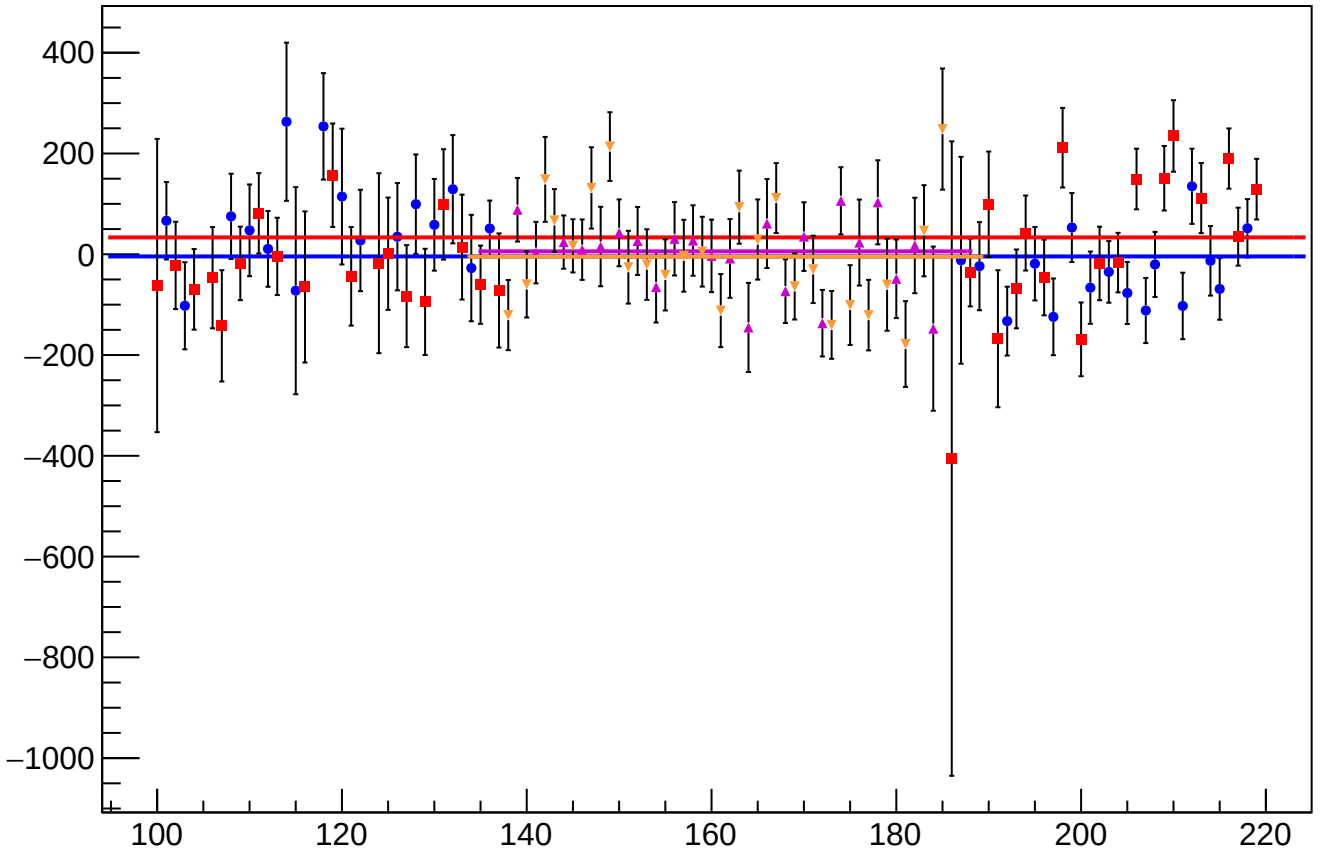
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 362.907+/-0.041 χ^2/NDF: 5737253.5/68

In: 363.113+/-0.042 χ^2/NDF:2961894.8/54

Out: 358.520+/-0.041 χ^2/NDF:3978703.6/61

All: 360.733+/-0.029 χ^2/NDF: 6946688.8/116



Right In: -4.321+/-13.873 χ^2/NDF: 37.3/31

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 33.456+/-13.538 χ^2/NDF: 61.3/36

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

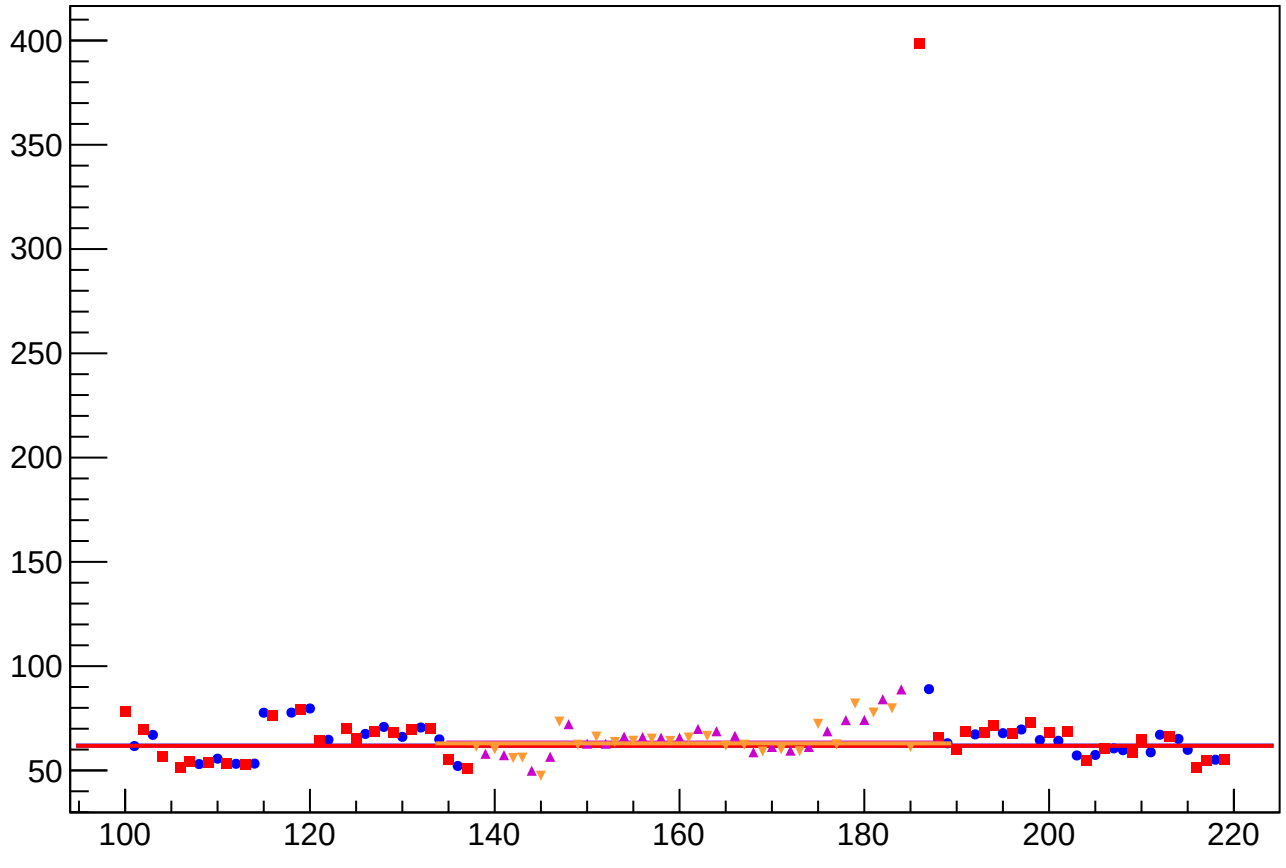
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 15.029+/-9.689 χ^2/NDF: 102.4/68

In: 0.357+/-10.163 χ^2/NDF:55.9/54

Out: 15.573+/-9.874 χ^2/NDF:112.4/61

All: 8.185+/-7.082 χ^2/NDF: 169.4/116



Right In: 61.902+/-0.010 χ^2/NDF: 428285.2/31

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.798+/-0.010 χ^2/NDF: 1166612.1/36

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

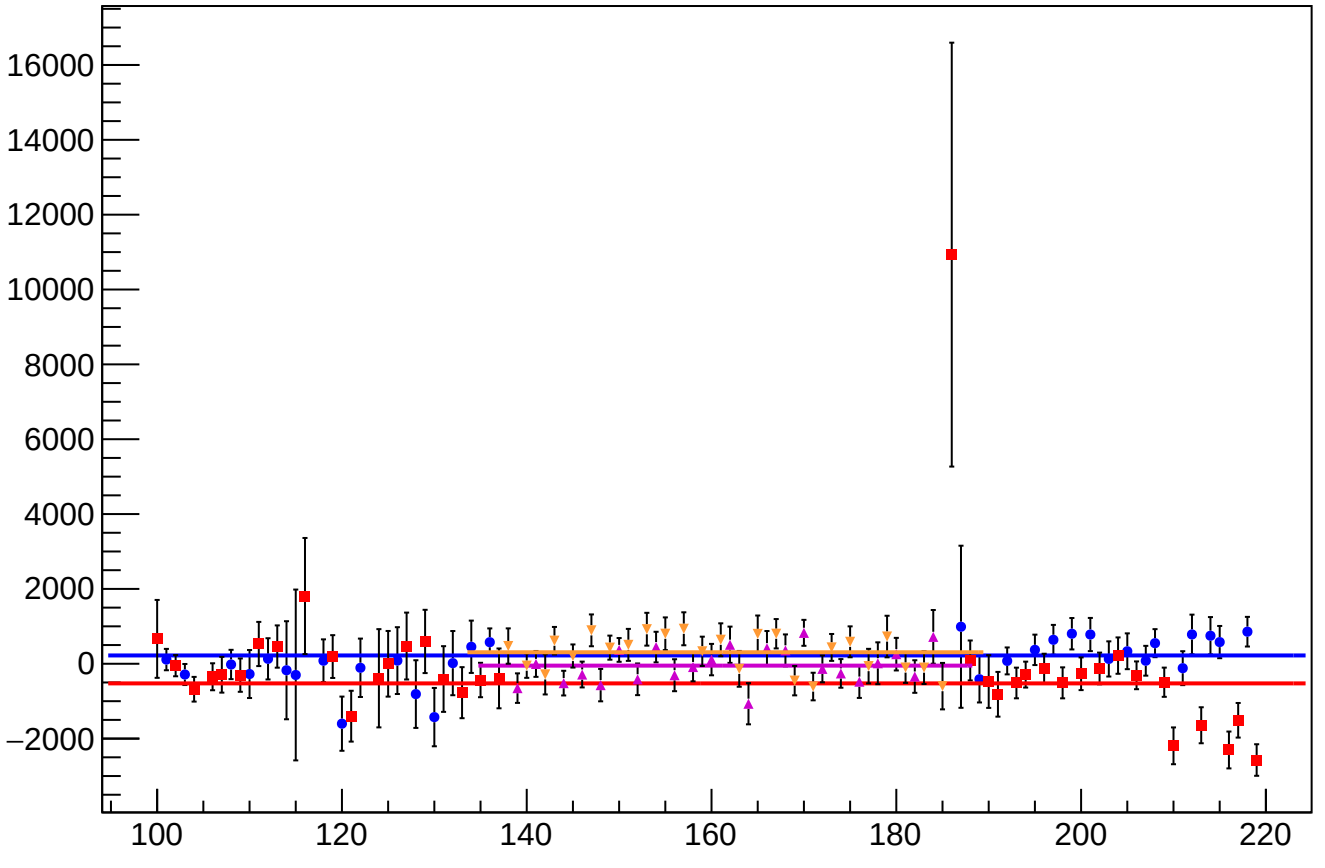
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 61.849+/-0.007 χ^2/NDF: 1594954.8/68

In: 62.580+/-0.007 χ^2/NDF:935522.8/54

Out: 62.349+/-0.007 χ^2/NDF:1700562.7/61

All: 62.461+/-0.005 χ^2/NDF: 2636614.9/116



Right In: 222.141+/-84.619 χ^2/NDF: 31.2/31

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -524.582+/-81.039 χ^2/NDF: 89.5/36

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

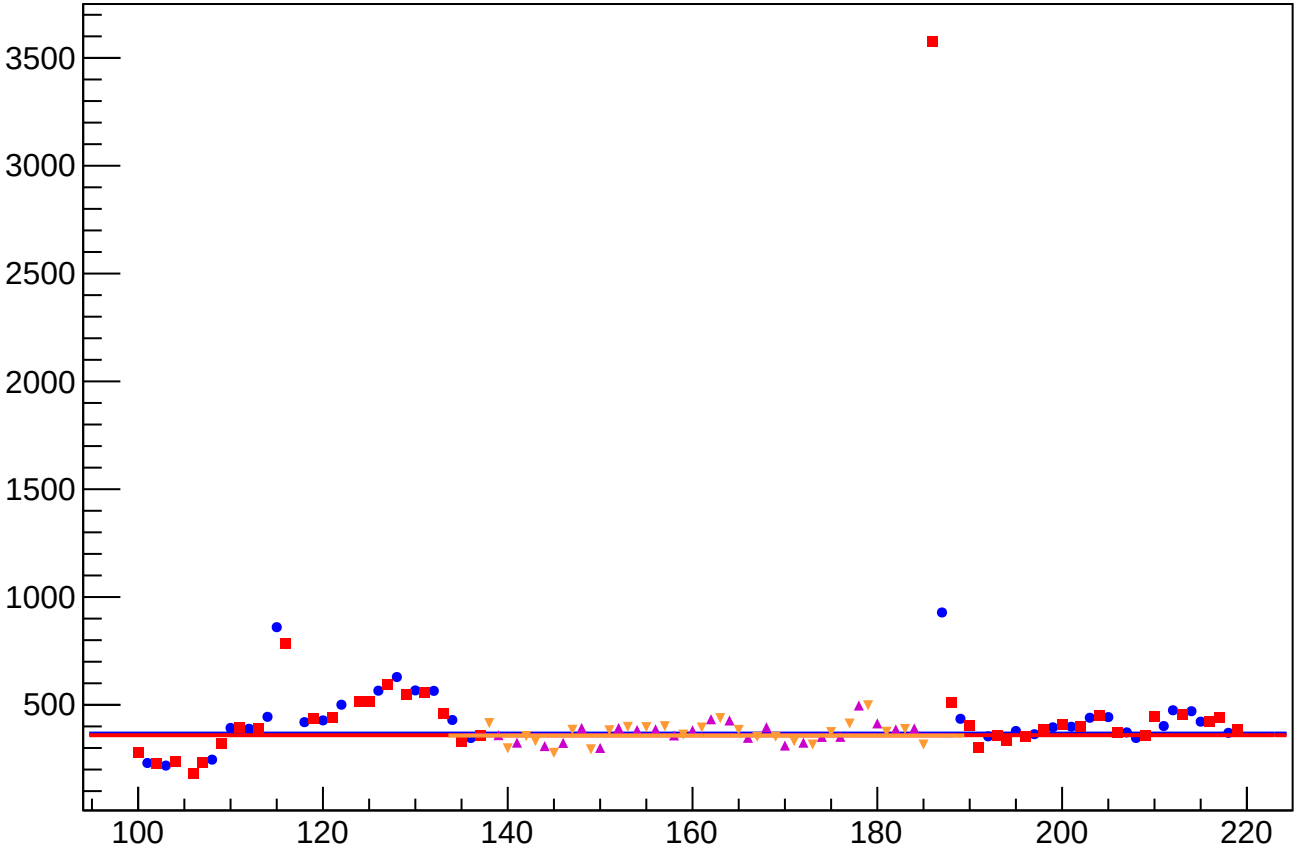
Right: -167.350+/-58.528 χ^2/NDF: 161.3/68

In: 86.408+/-59.912 χ^2/NDF:63.6/54

Out: -115.433+/-57.765 χ^2/NDF:172.0/61

All: -18.194+/-41.584 χ^2/NDF: 241.5/116

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 366.856+/-0.060 χ^2/NDF: 2434283.4/31

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 359.284+/-0.057 χ^2/NDF: 3294616.1/36

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

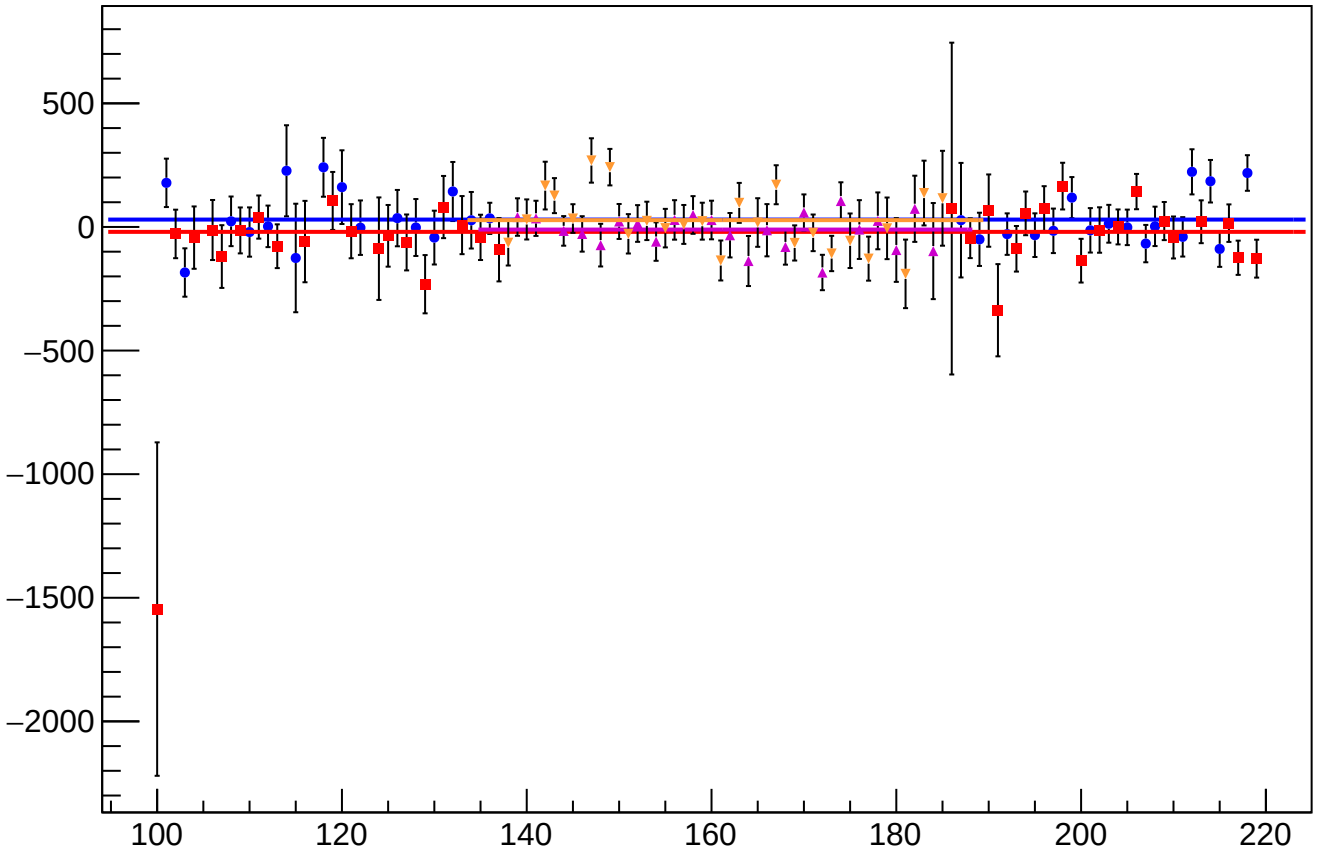
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 362.907+/-0.041 χ^2/NDF: 5737253.5/68

In: 363.113+/-0.042 χ^2/NDF:2961894.8/54

Out: 358.520+/-0.041 χ^2/NDF:3978703.6/61

All: 360.733+/-0.029 χ^2/NDF: 6946688.8/116



Right In: 29.887+/-16.456 χ^2/NDF: 37.8/31

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -19.846+/-16.293 χ^2/NDF: 34.2/36

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

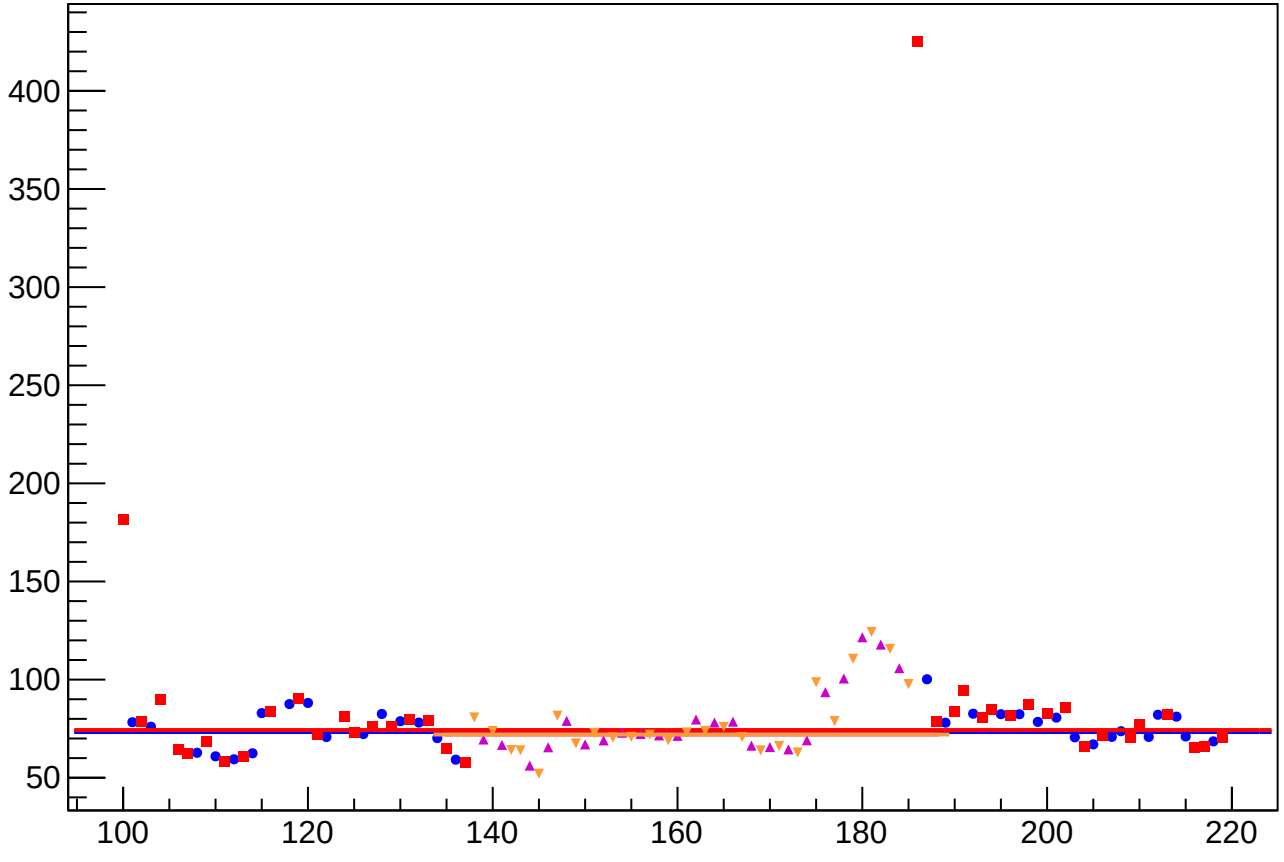
Right: 4.773+/-11.578 χ^2/NDF: 76.5/68

In: 10.605+/-11.899 χ^2/NDF:56.7/54

Out: 3.245+/-11.676 χ^2/NDF:80.6/61

All: 6.855+/-8.334 χ^2/NDF: 137.6/116

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 73.301+/-0.012 χ^2/NDF: 483425.3/31

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 74.302+/-0.012 χ^2/NDF: 1188644.8/36

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

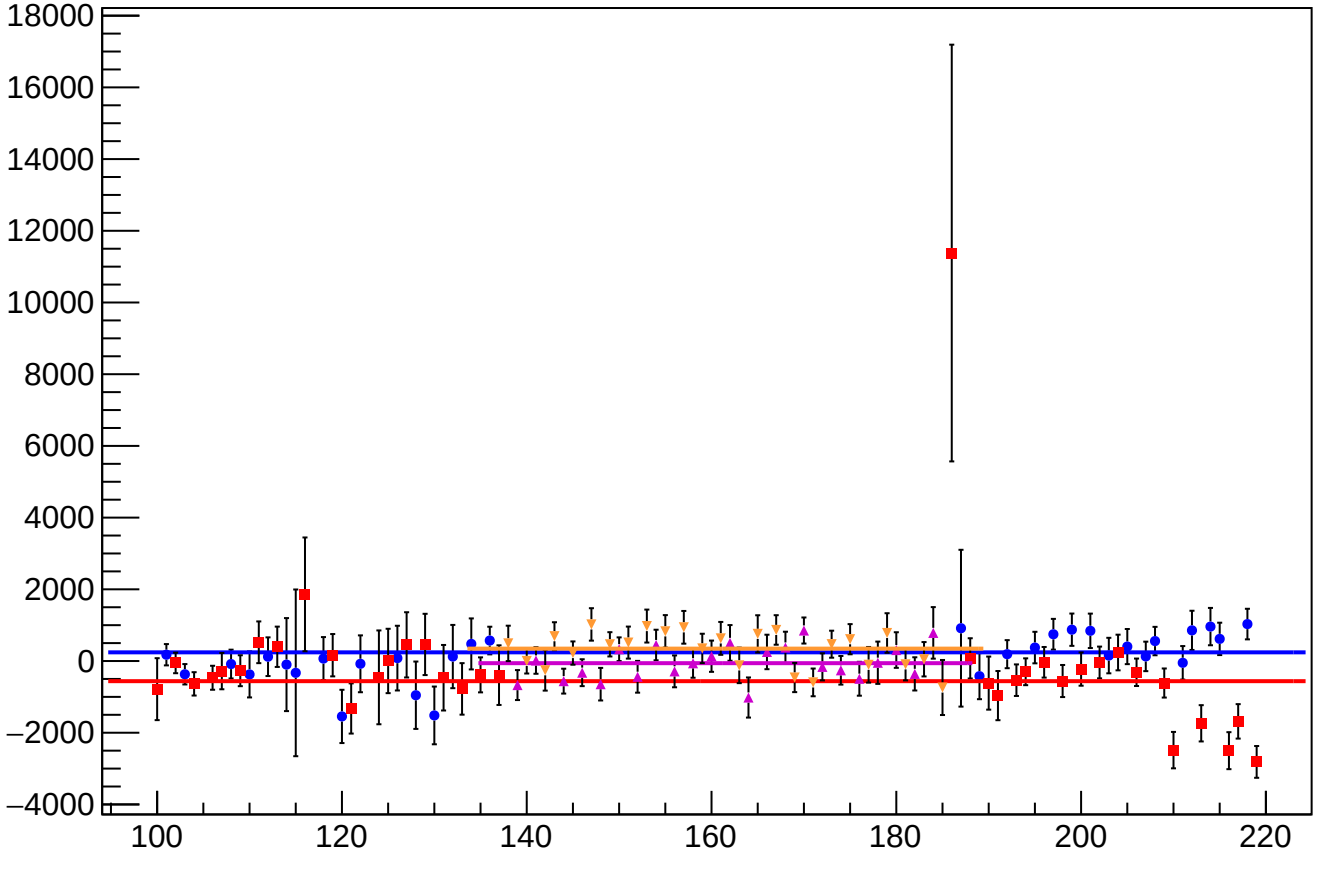
Right: 73.807+/-0.008 χ^2/NDF: 1675812.5/68

In: 72.724+/-0.008 χ^2/NDF:1547429.9/54

Out: 73.202+/-0.008 χ^2/NDF:2476862.1/61

All: 72.968+/-0.006 χ^2/NDF: 4025938.5/116

asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 242.061+/-88.313 χ^2/NDF: 34.5/31

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -561.802+/-83.520 χ^2/NDF: 96.8/36

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

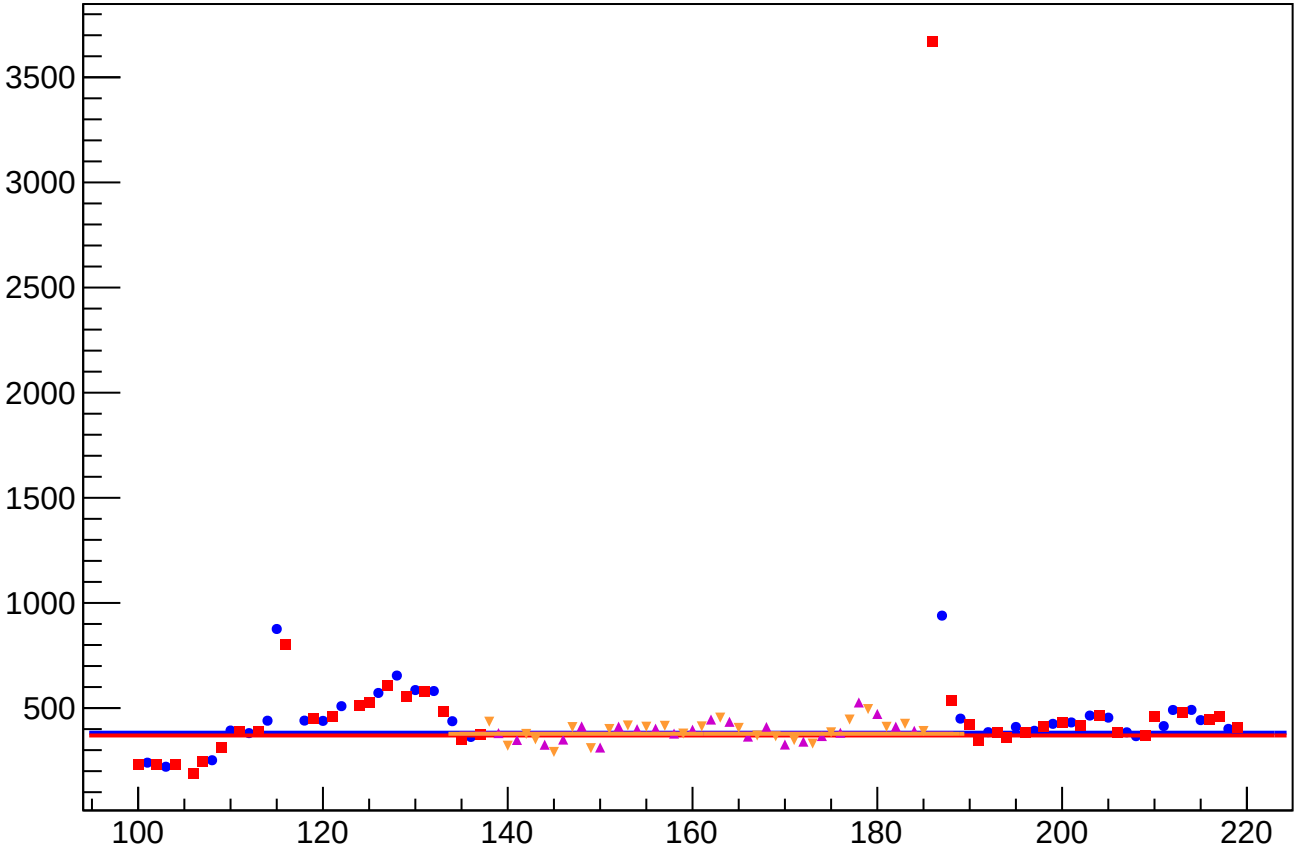
Right: -182.276+/-60.681 χ^2/NDF: 175.0/68

In: 92.943+/-62.831 χ^2/NDF:66.1/54

Out: -125.509+/-60.191 χ^2/NDF:182.5/61

All: -20.969+/-43.465 χ^2/NDF: 254.9/116

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 382.848+/-0.062 χ^2/NDF: 2507646.4/31

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 369.656+/-0.059 χ^2/NDF: 3597590.8/36

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

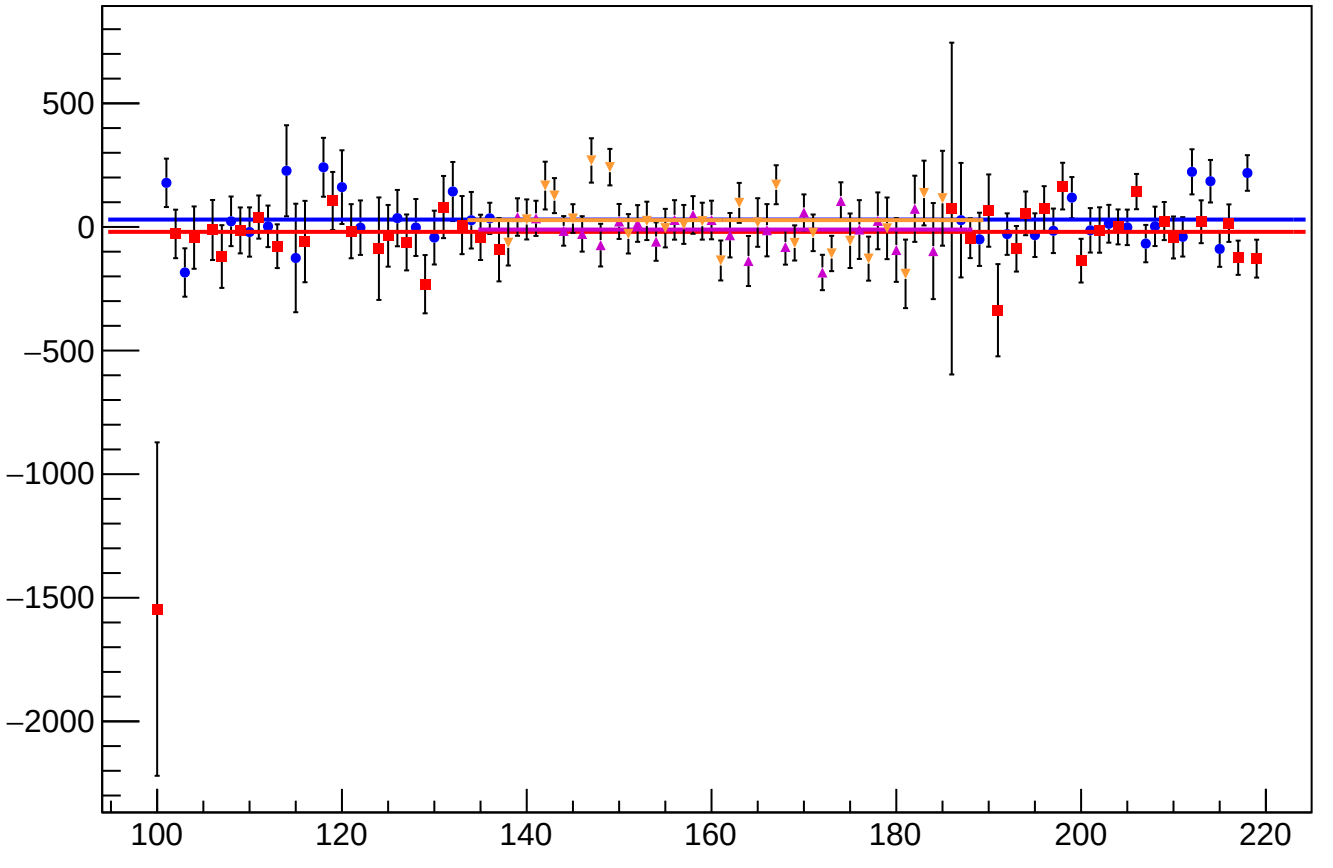
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 375.884+/-0.043 χ^2/NDF: 6128794.7/68

In: 380.883+/-0.044 χ^2/NDF:3037336.2/54

Out: 373.569+/-0.043 χ^2/NDF:4243437.8/61

All: 377.069+/-0.031 χ^2/NDF: 7294908.3/116



Right In: 29.886+/-16.456 χ^2/NDF: 37.8/31

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -19.845+/-16.293 χ^2/NDF: 34.2/36

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

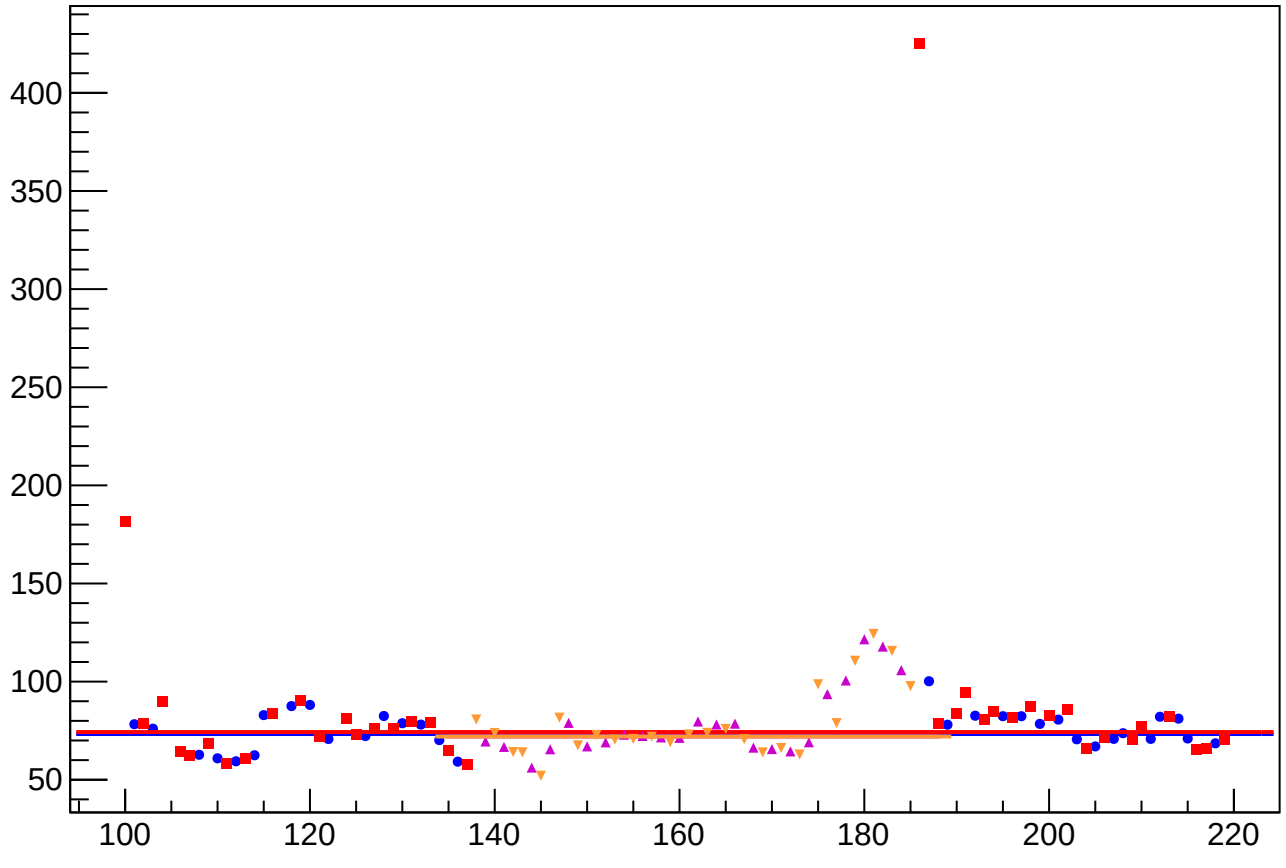
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 4.773+/-11.578 χ^2/NDF: 76.5/68

In: 10.605+/-11.899 χ^2/NDF:56.7/54

Out: 3.245+/-11.676 χ^2/NDF:80.6/61

All: 6.855+/-8.334 χ^2/NDF: 137.6/116



Right In: 73.301+/-0.012 χ^2/NDF: 483420.6/31

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 74.302+/-0.012 χ^2/NDF: 1188644.6/36

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

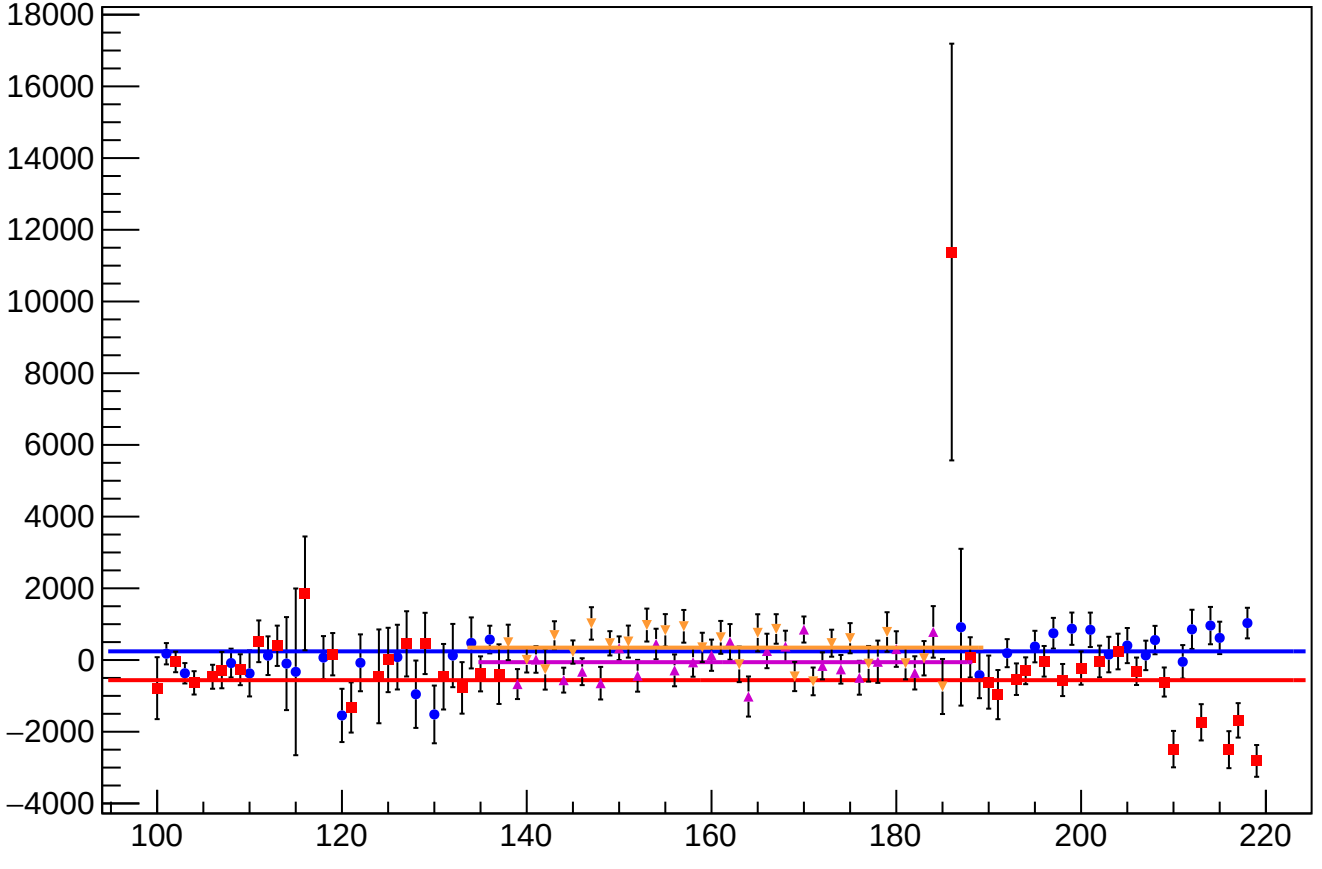
Right: 73.806+/-0.008 χ^2/NDF: 1675807.1/68

In: 72.724+/-0.008 χ^2/NDF:1547414.9/54

Out: 73.202+/-0.008 χ^2/NDF:2476867.5/61

All: 72.968+/-0.006 χ^2/NDF: 4025928.8/116

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 242.061+/-88.313 χ^2/NDF: 34.5/31

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: -561.802+/-83.519 χ^2/NDF: 96.8/36

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

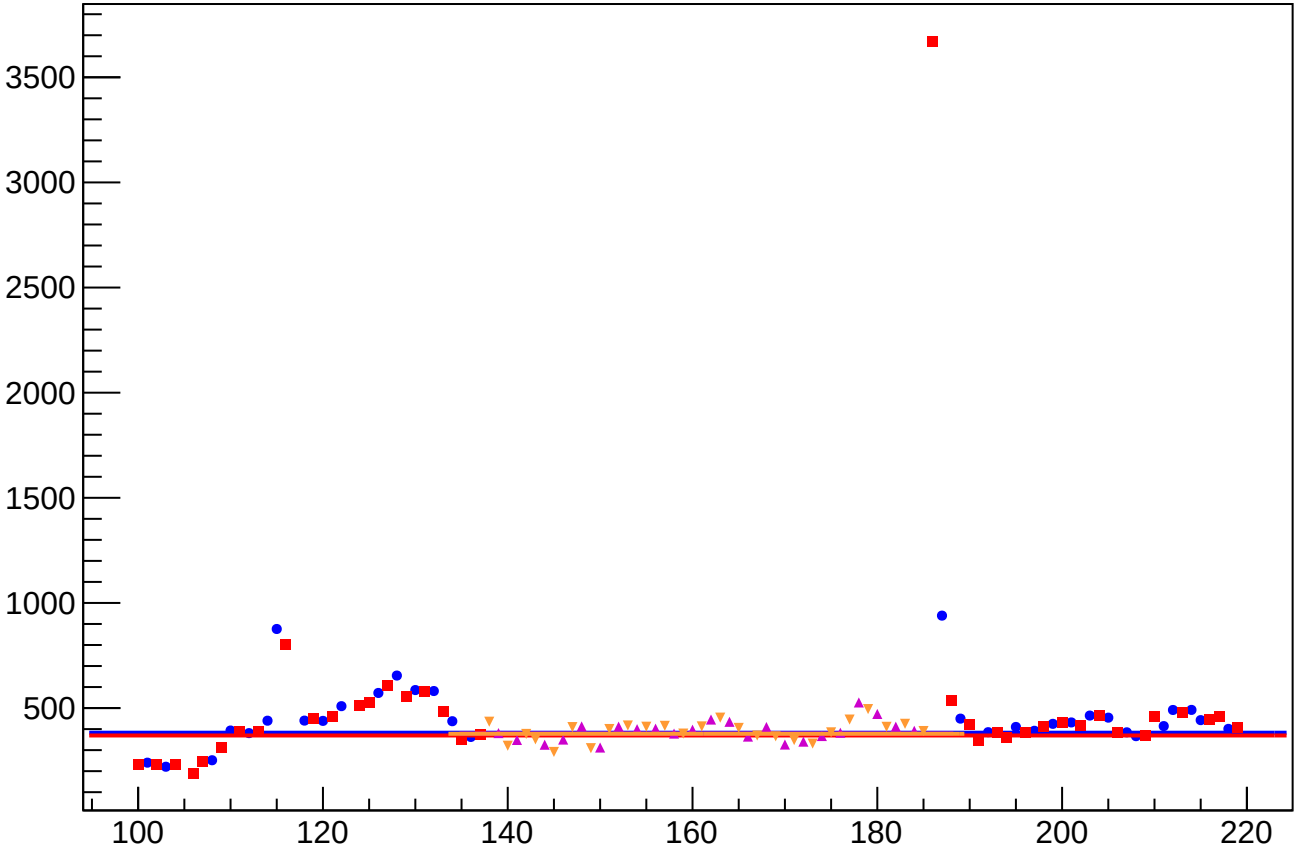
Right: -182.277+/-60.681 χ^2/NDF: 175.0/68

In: 92.943+/-62.831 χ^2/NDF:66.1/54

Out: -125.509+/-60.191 χ^2/NDF:182.5/61

All: -20.969+/-43.465 χ^2/NDF: 254.9/116

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 382.848+/-0.062 χ^2/NDF: 2507631.4/31

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 369.656+/-0.059 χ^2/NDF: 3597574.7/36

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

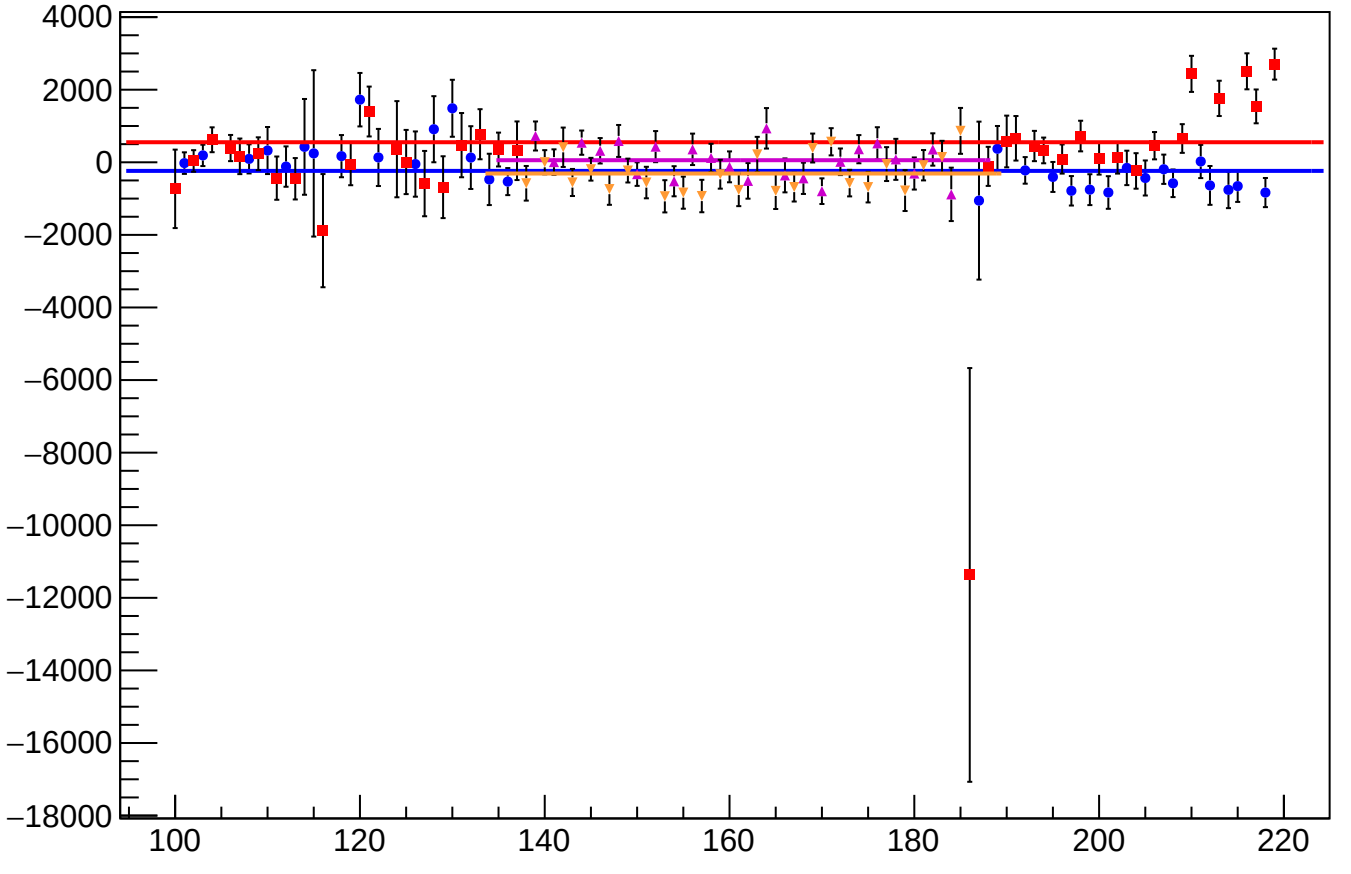
Right: 375.884+/-0.043 χ^2/NDF: 6128764.4/68

In: 380.883+/-0.044 χ^2/NDF:3037317.3/54

Out: 373.568+/-0.043 χ^2/NDF:4243421.4/61

All: 377.069+/-0.031 χ^2/NDF: 7294873.5/116

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -236.947+/-86.201 χ^2/NDF: 32.0/31

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 552.690+/-82.466 χ^2/NDF: 99.9/36

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

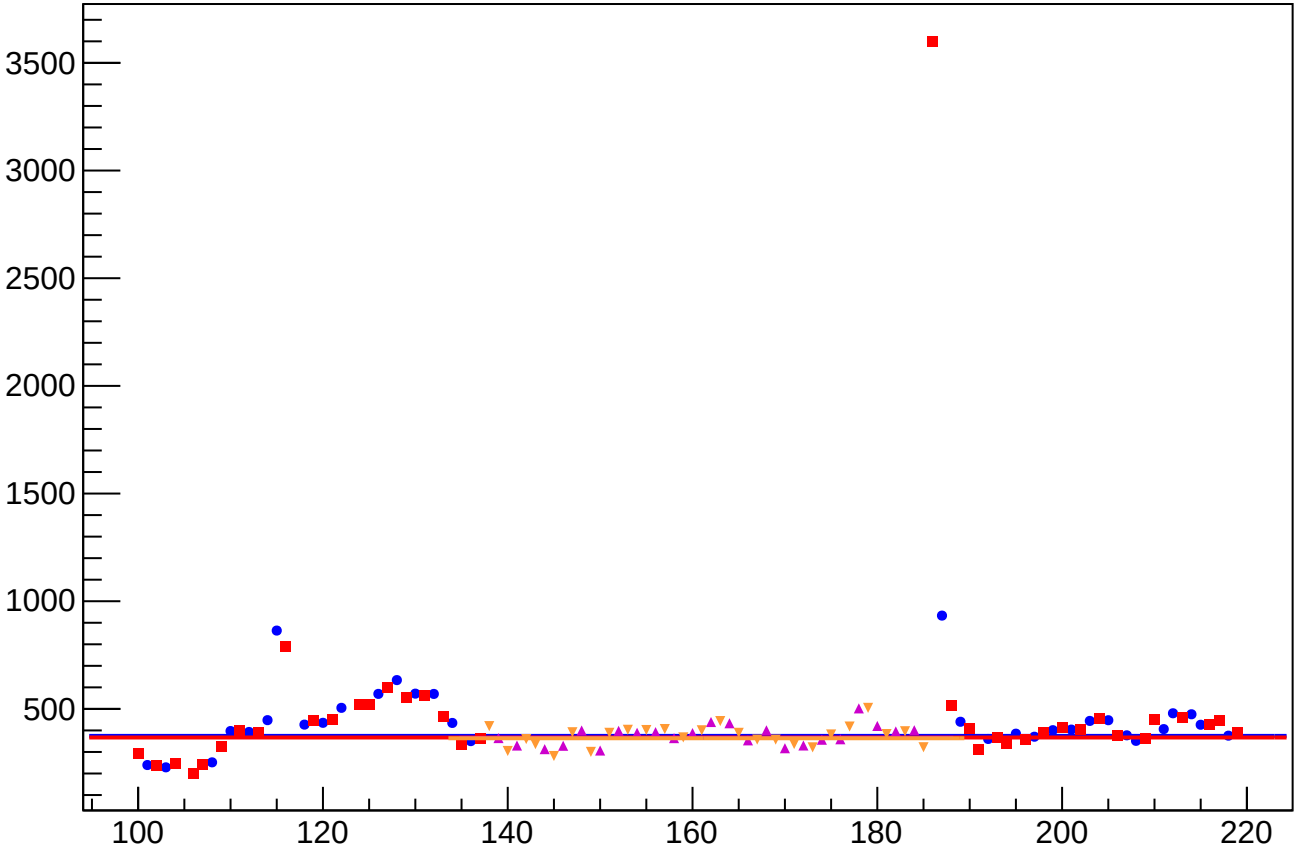
Right: 175.347+/-59.589 χ^2/NDF: 175.8/68

In: -89.742+/-60.962 χ^2/NDF:65.8/54

Out: 128.108+/-58.746 χ^2/NDF:183.7/61

All: 23.214+/-42.301 χ^2/NDF: 256.2/116

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 374.657+/-0.061 χ^2/NDF: 2251679.5/31

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 367.239+/-0.058 χ^2/NDF: 3064551.5/36

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

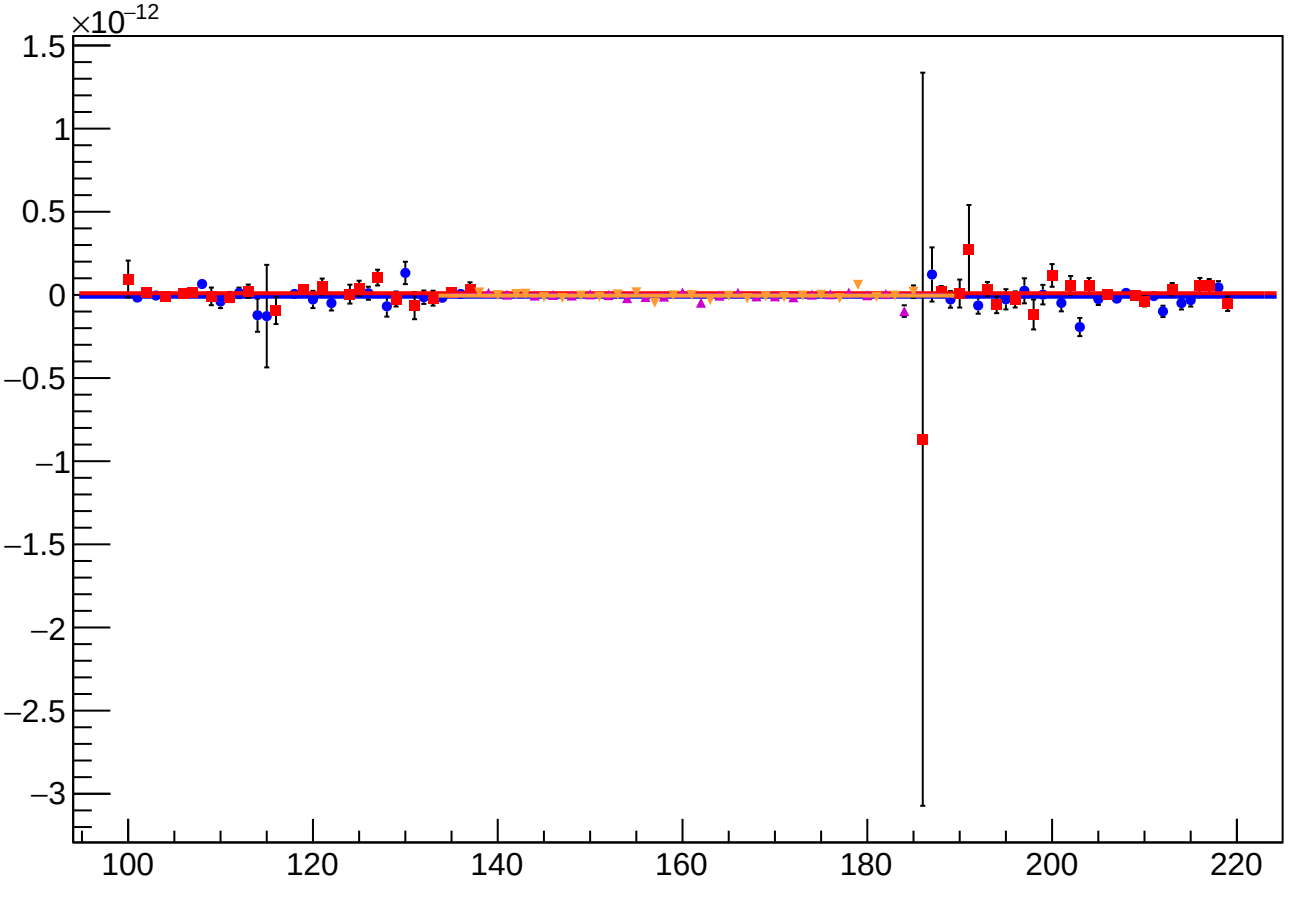
Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

Right: 370.784+/-0.042 χ^2/NDF: 5323964.4/68

In: 369.992+/-0.043 χ^2/NDF:2772894.7/54

Out: 365.503+/-0.042 χ^2/NDF:3735595.6/61

All: 367.664+/-0.030 χ^2/NDF: 6514113.3/116



Right In: -0.000+/-0.000 χ^2/NDF: 42.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/36

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

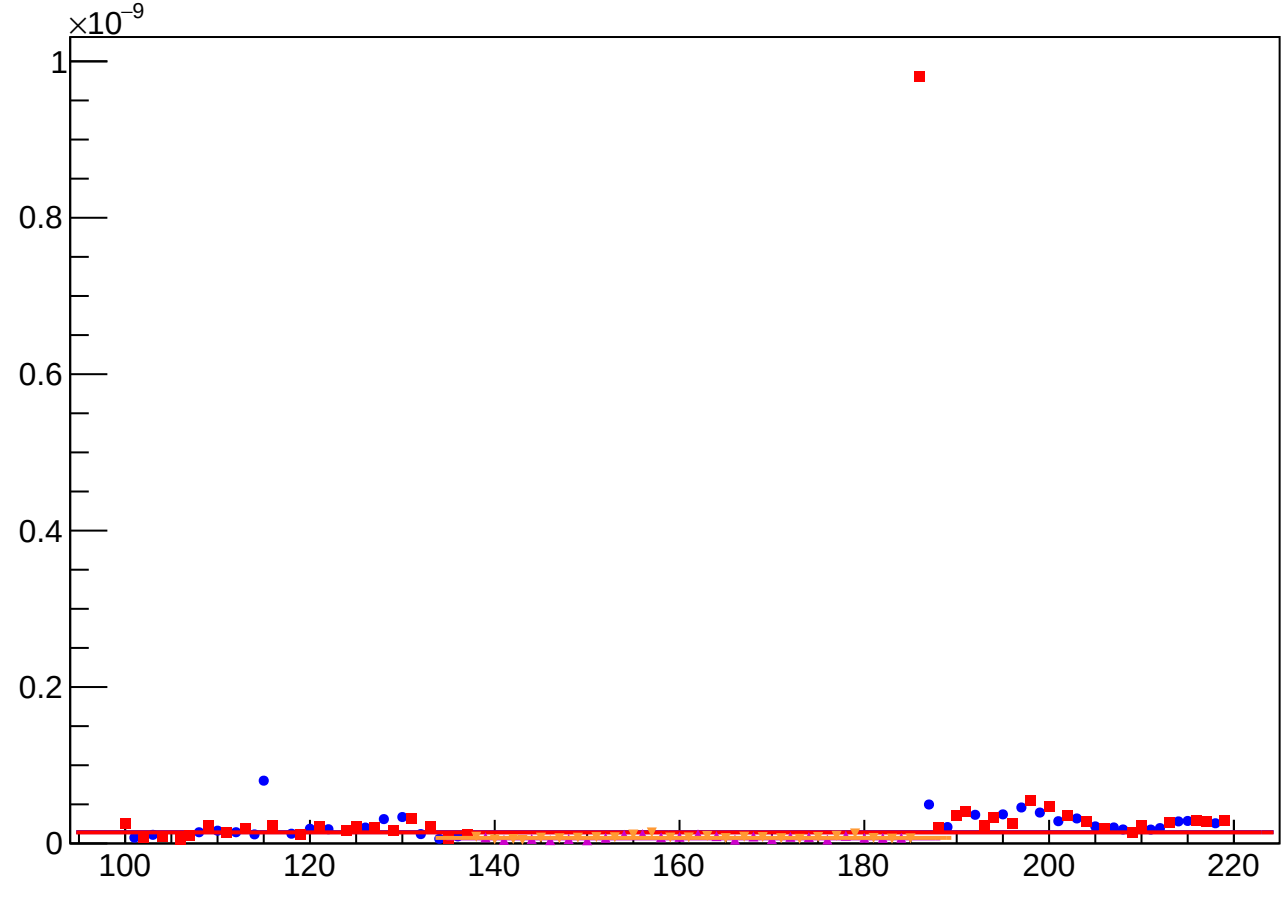
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: -0.000+/-0.000 χ^2/NDF: 80.1/68

In: -0.000+/-0.000 χ^2/NDF:66.9/54

Out: -0.000+/-0.000 χ^2/NDF:57.5/61

All: -0.000+/-0.000 χ^2/NDF: 124.7/116



Right In: 0.000+/-0.000 χ^2/NDF: 4816780.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5821503.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

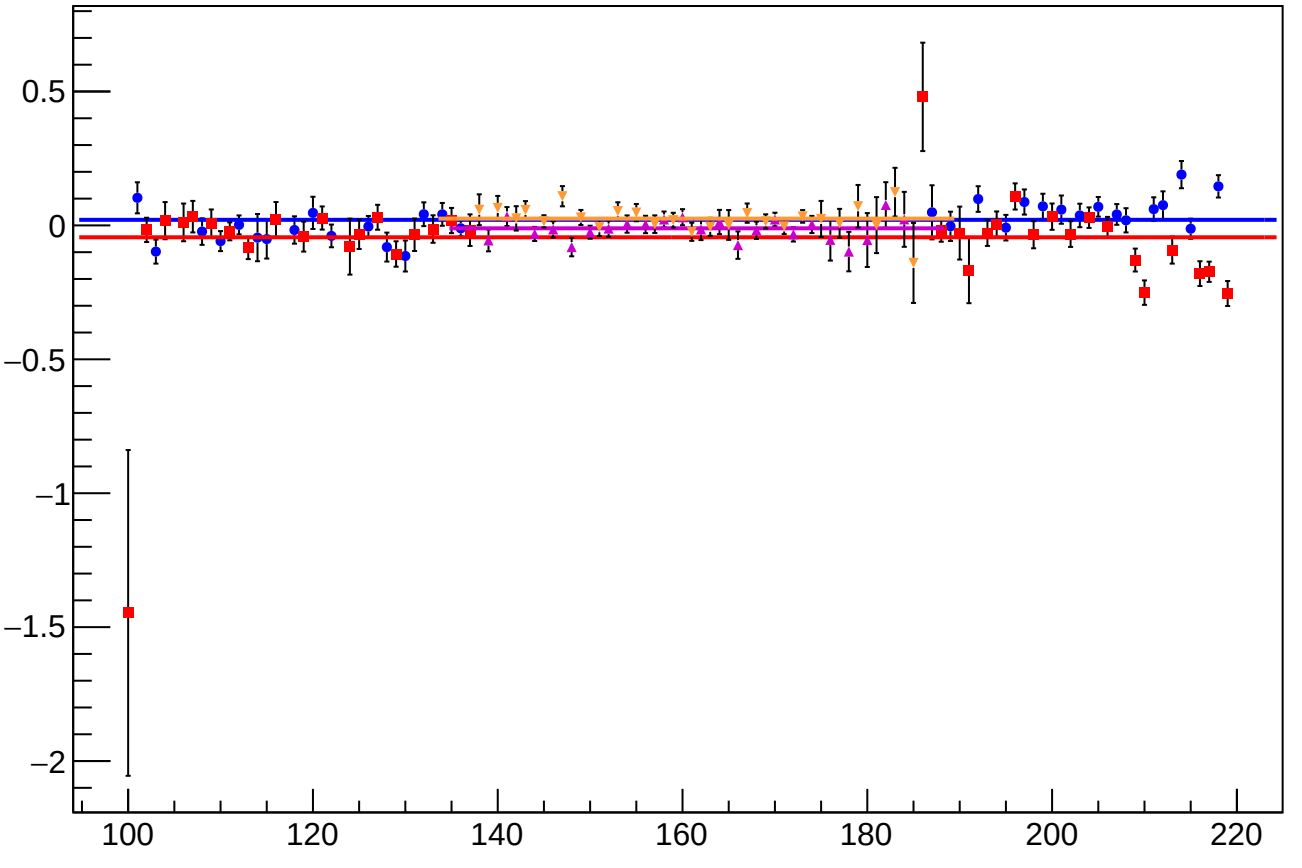
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 10642168.1/68

In: 0.000+/-0.000 χ^2/NDF:9544099.5/54

Out: 0.000+/-0.000 χ^2/NDF:9421475.9/61

All: 0.000+/-0.000 χ^2/NDF: 19015254.0/116



Right In: 0.021+/-0.008 χ^2/NDF: 61.8/31

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.044+/-0.008 χ^2/NDF: 113.9/36

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

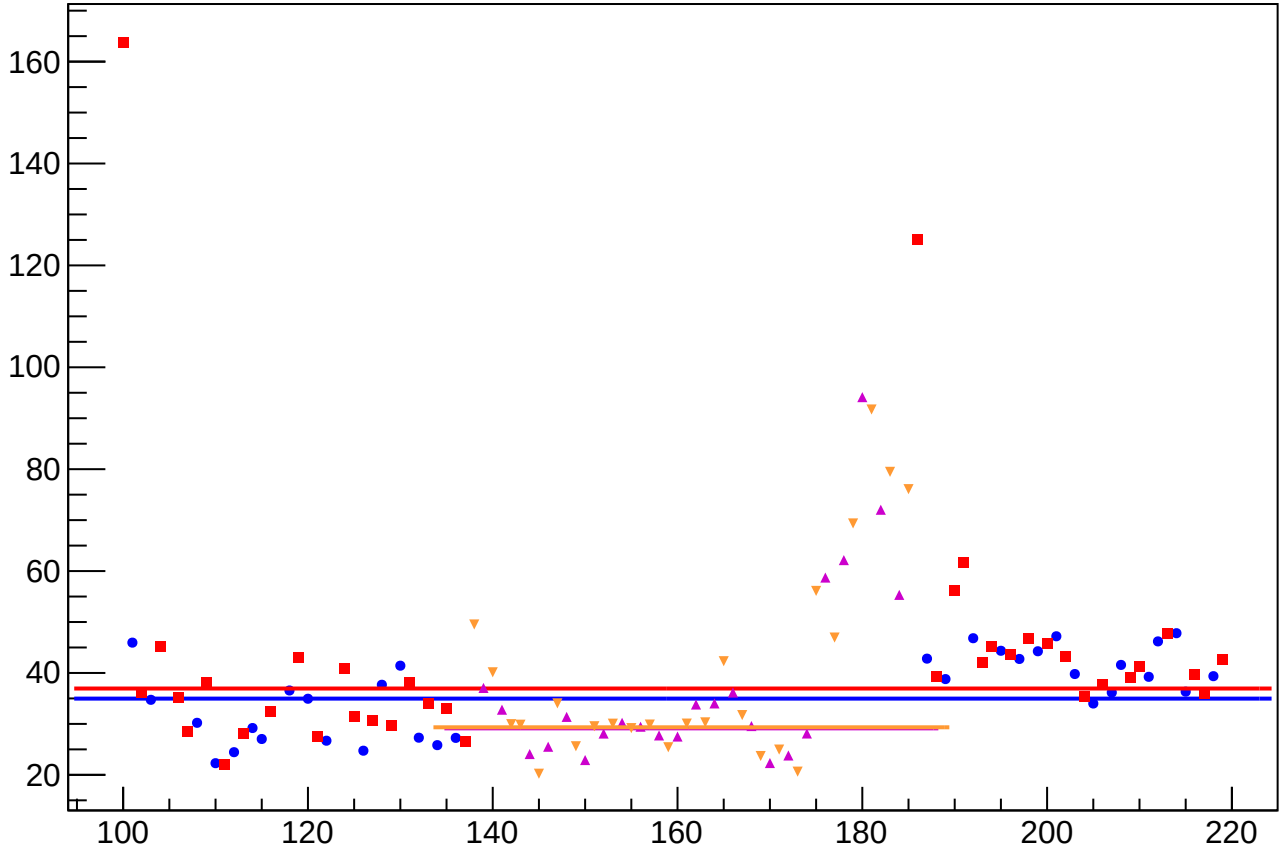
Right: -0.011+/-0.006 χ^2/NDF: 207.4/68

In: 0.003+/-0.005 χ^2/NDF:89.3/54

Out: -0.005+/-0.005 χ^2/NDF:171.7/61

All: -0.001+/-0.004 χ^2/NDF: 262.1/116

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.966+/-0.006 χ^2/NDF: 1862609.6/31

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 36.946+/-0.006 χ^2/NDF: 1955000.6/36

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

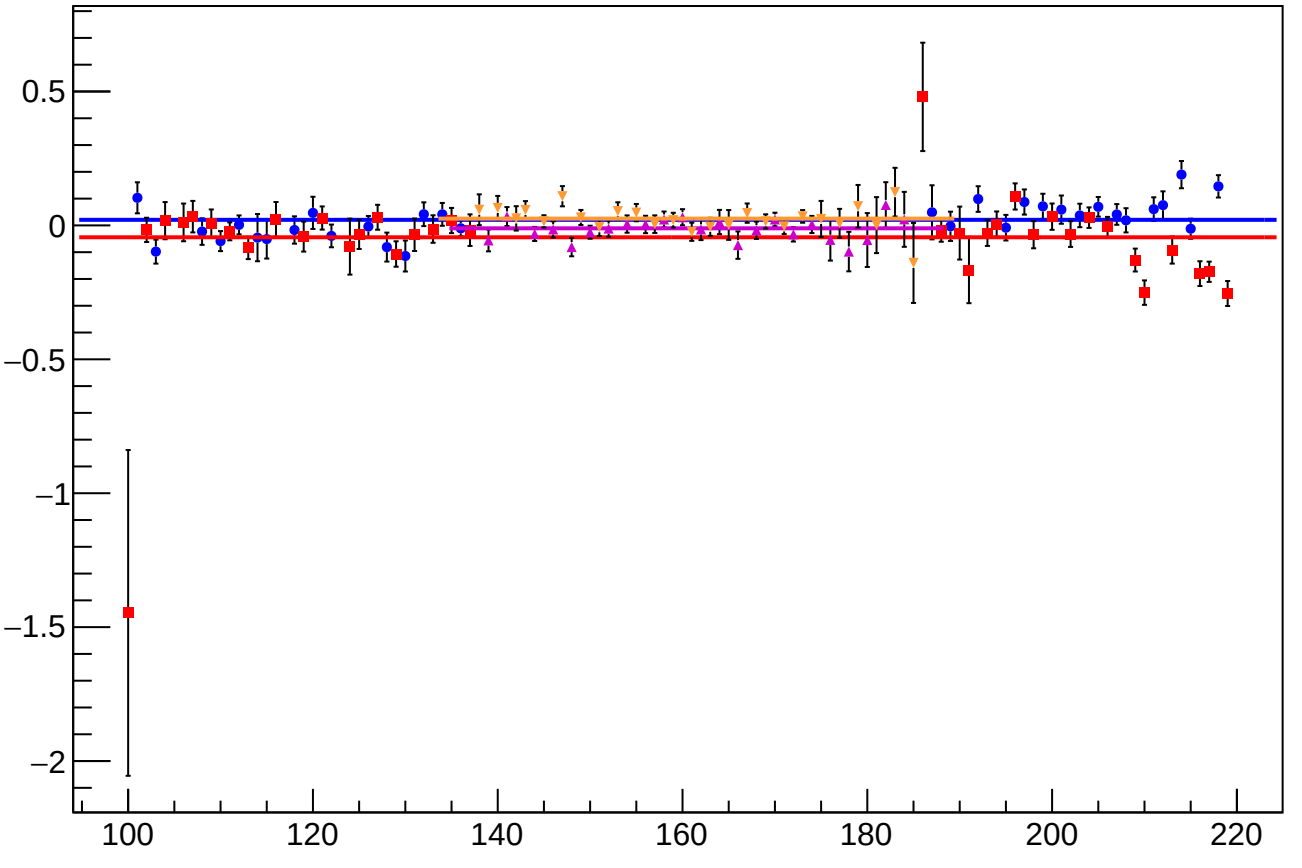
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 35.932+/-0.004 χ^2/NDF: 3876211.9/68

In: 31.749+/-0.004 χ^2/NDF:5277601.4/54

Out: 32.601+/-0.004 χ^2/NDF:6794566.2/61

All: 32.174+/-0.003 χ^2/NDF: 12096862.6/116



Right In: 0.021+/-0.008 χ^2/NDF: 61.8/31

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.044+/-0.008 χ^2/NDF: 113.9/36

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

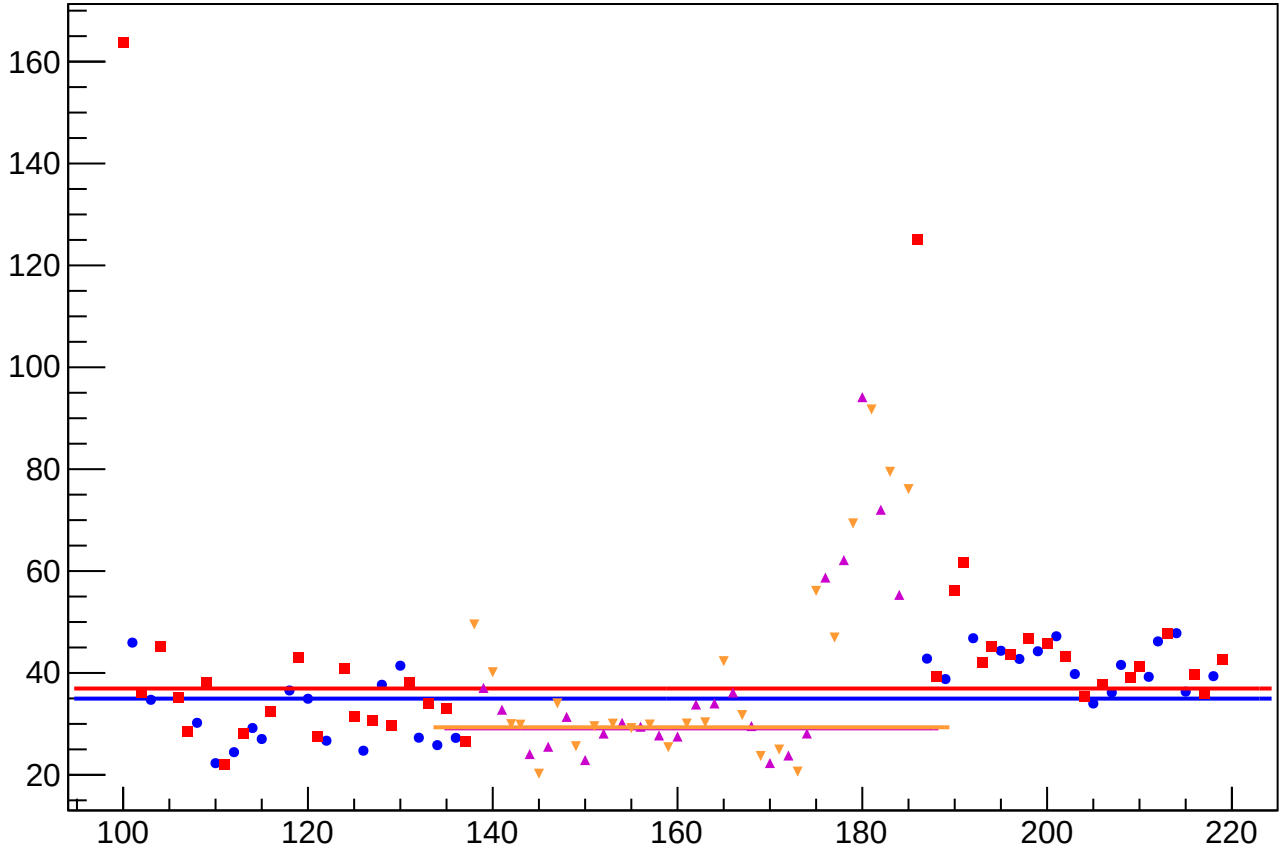
Right: -0.011+/-0.006 χ^2/NDF: 207.4/68

In: 0.003+/-0.005 χ^2/NDF:89.3/54

Out: -0.005+/-0.005 χ^2/NDF:171.7/61

All: -0.001+/-0.004 χ^2/NDF: 262.1/116

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.966+/-0.006 χ^2/NDF: 1862609.6/31

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 36.946+/-0.006 χ^2/NDF: 1955000.6/36

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

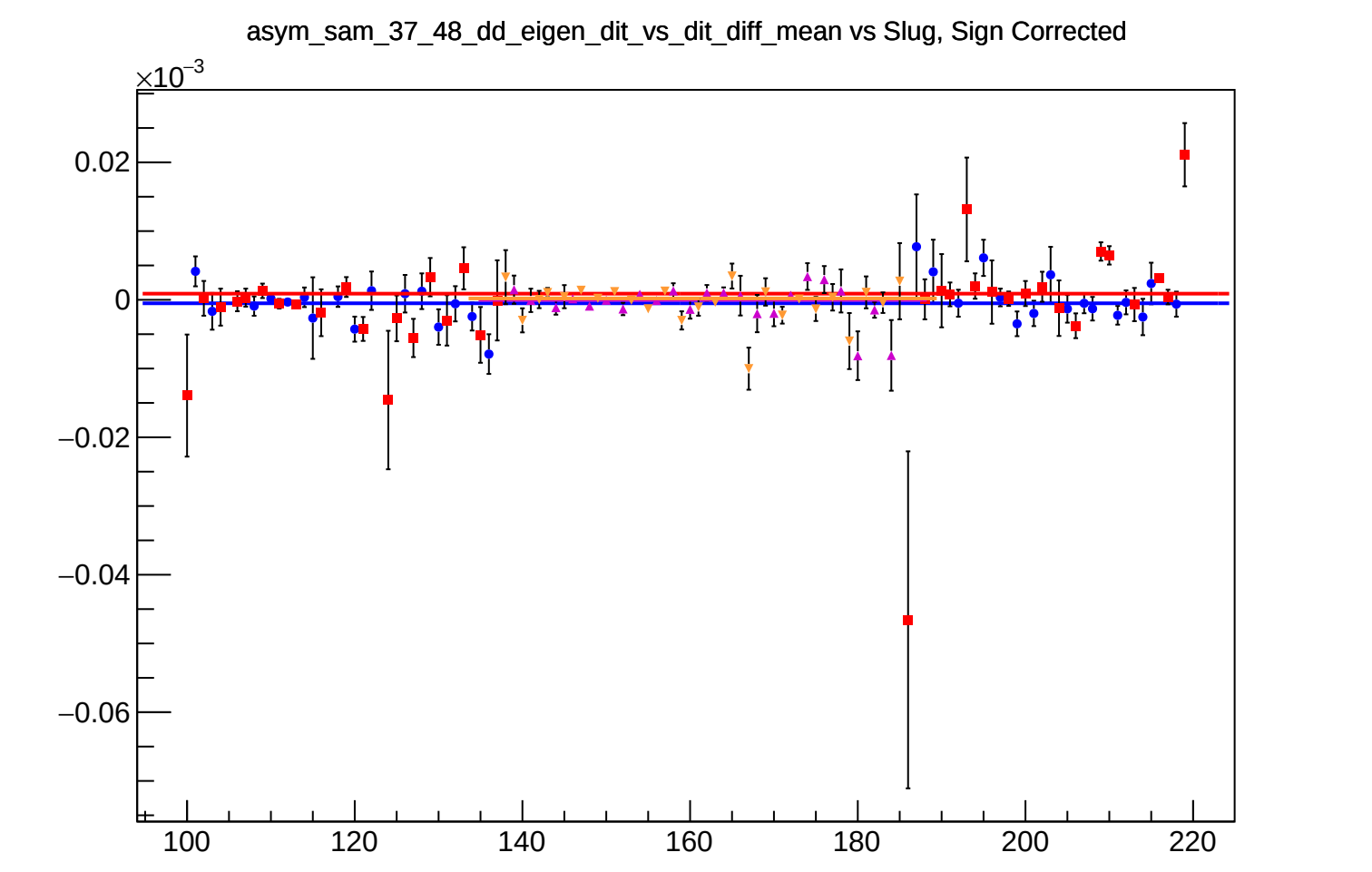
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 35.932+/-0.004 χ^2/NDF: 3876211.9/68

In: 31.749+/-0.004 χ^2/NDF:5277601.4/54

Out: 32.601+/-0.004 χ^2/NDF:6794566.2/61

All: 32.174+/-0.003 χ^2/NDF: 12096862.6/116



Right In: -0.000+/-0.000 χ^2/NDF: 38.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 123.6/36

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

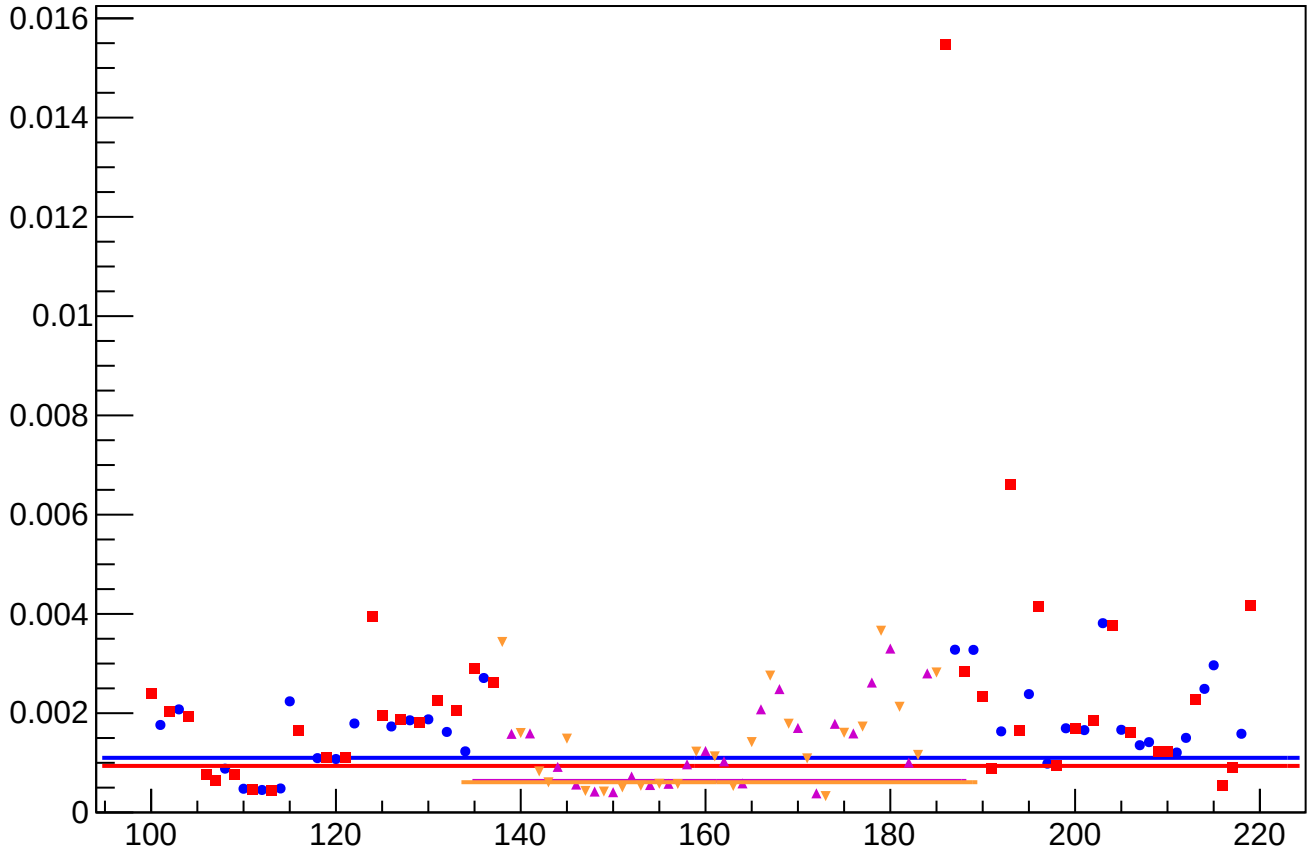
Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

Right: 0.000+/-0.000 χ^2/NDF: 174.7/68

In: -0.000+/-0.000 χ^2/NDF:73.1/54

Out: 0.000+/-0.000 χ^2/NDF:181.4/61

All: 0.000+/-0.000 χ^2/NDF: 261.6/116



Right In: 0.001+/-0.000 χ^2/NDF: 9944910.1/31

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 13611326.2/36

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

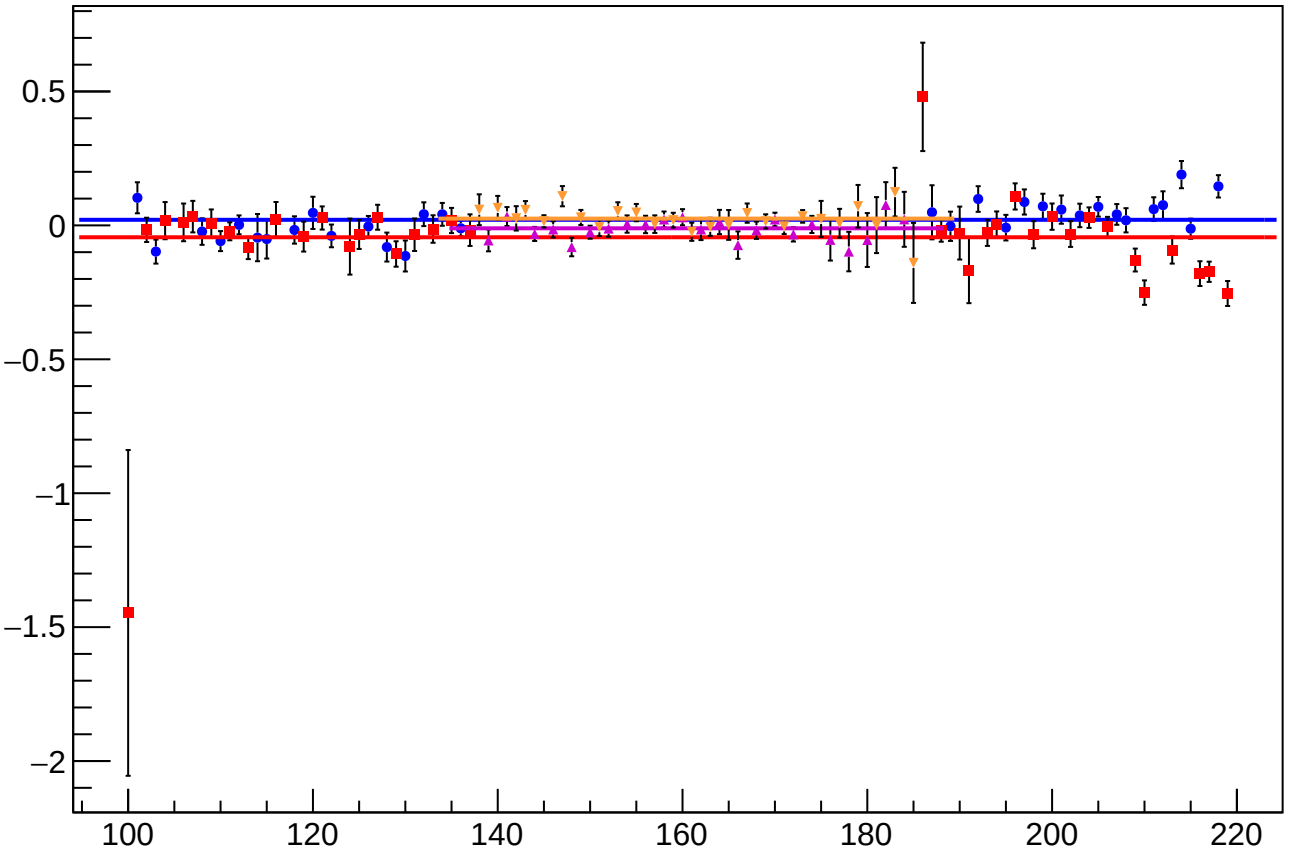
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 23907219.7/68

In: 0.001+/-0.000 χ^2/NDF:22940174.9/54

Out: 0.001+/-0.000 χ^2/NDF:26902247.4/61

All: 0.001+/-0.000 χ^2/NDF: 49972646.5/116



Right In: 0.021+/-0.008 χ^2/NDF: 61.8/31

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.044+/-0.008 χ^2/NDF: 113.9/36

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

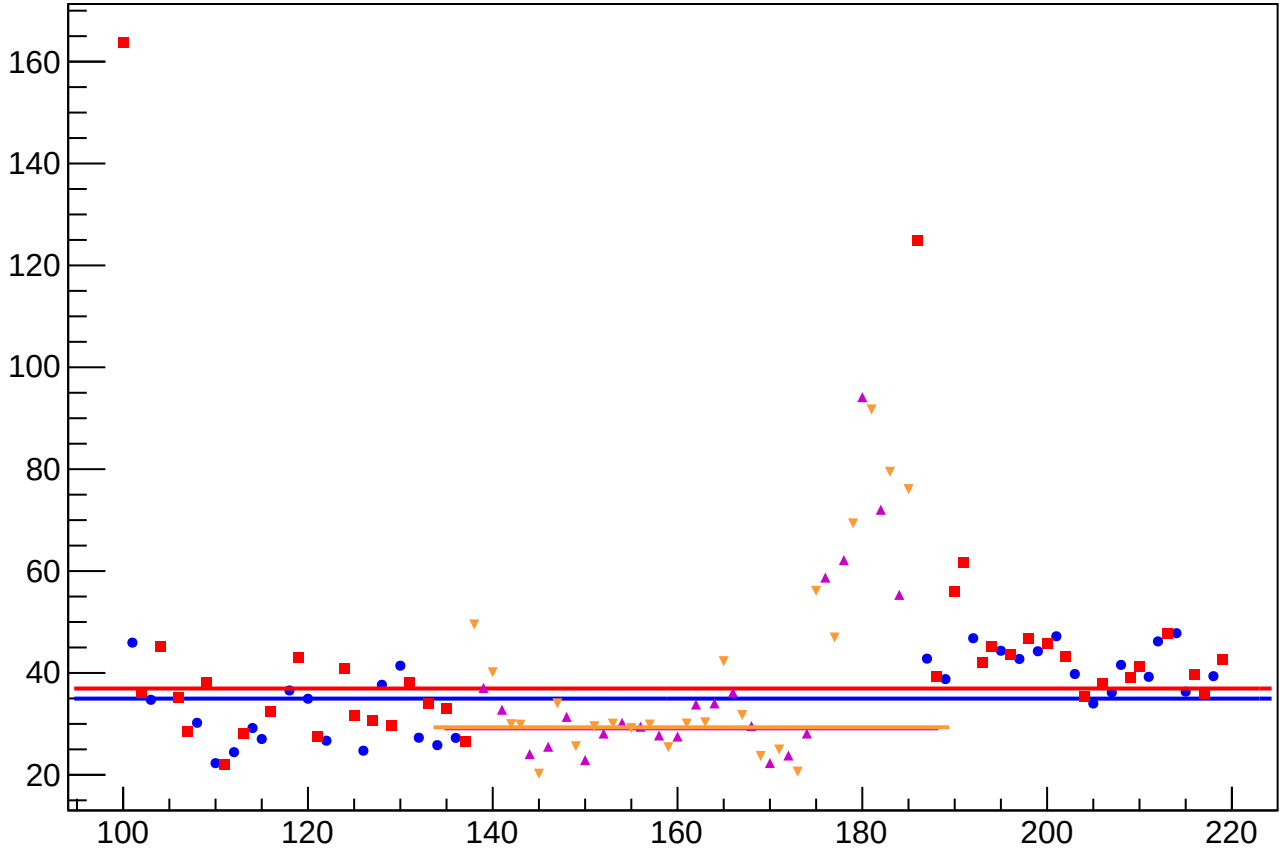
Right: -0.011+/-0.006 χ^2/NDF: 207.4/68

In: 0.003+/-0.005 χ^2/NDF:89.3/54

Out: -0.005+/-0.005 χ^2/NDF:171.7/61

All: -0.001+/-0.004 χ^2/NDF: 262.1/116

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.966+/-0.006 χ^2/NDF: 1862508.4/31

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 36.946+/-0.006 χ^2/NDF: 1954843.2/36

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

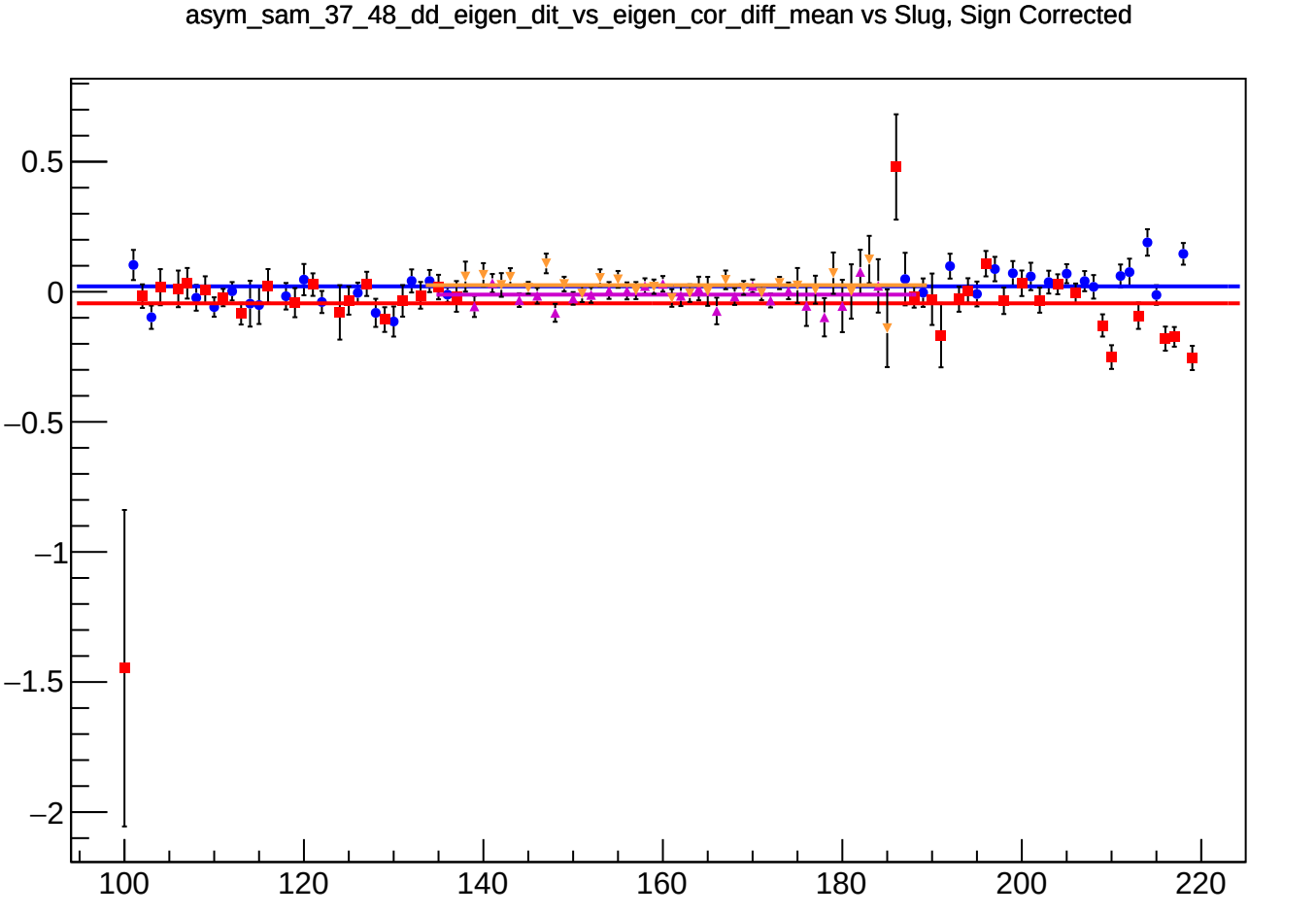
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 35.931+/-0.004 χ^2/NDF: 3875956.6/68

In: 31.749+/-0.004 χ^2/NDF:5277486.2/54

Out: 32.600+/-0.004 χ^2/NDF:6794526.3/61

All: 32.174+/-0.003 χ^2/NDF: 12096707.3/116



Right In: 0.021+/-0.008 χ^2/NDF: 61.8/31

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.044+/-0.008 χ^2/NDF: 113.9/36

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

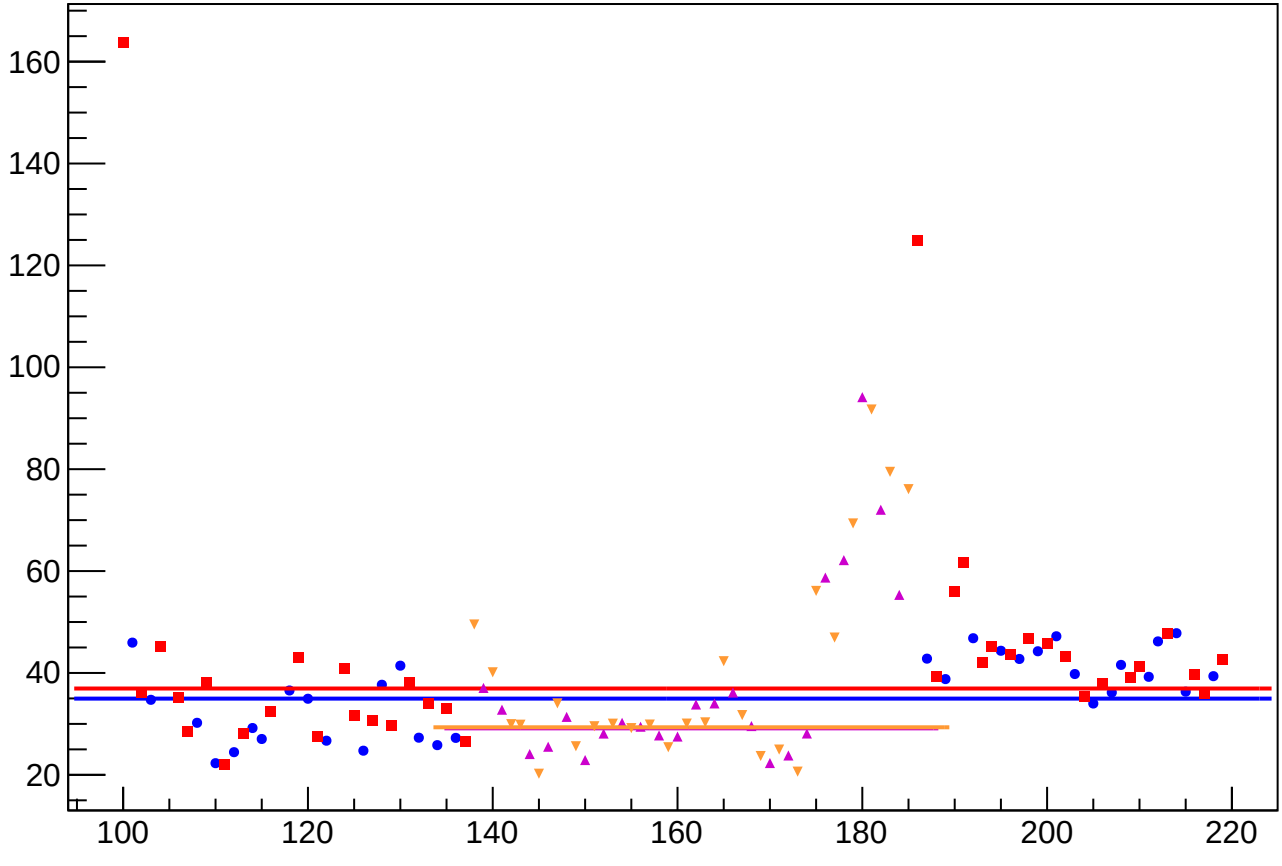
Right: -0.011+/-0.006 χ^2/NDF: 207.4/68

In: 0.003+/-0.005 χ^2/NDF:89.3/54

Out: -0.005+/-0.005 χ^2/NDF:171.7/61

All: -0.001+/-0.004 χ^2/NDF: 262.1/116

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.966+/-0.006 χ^2/NDF: 1862508.4/31

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 36.946+/-0.006 χ^2/NDF: 1954843.2/36

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

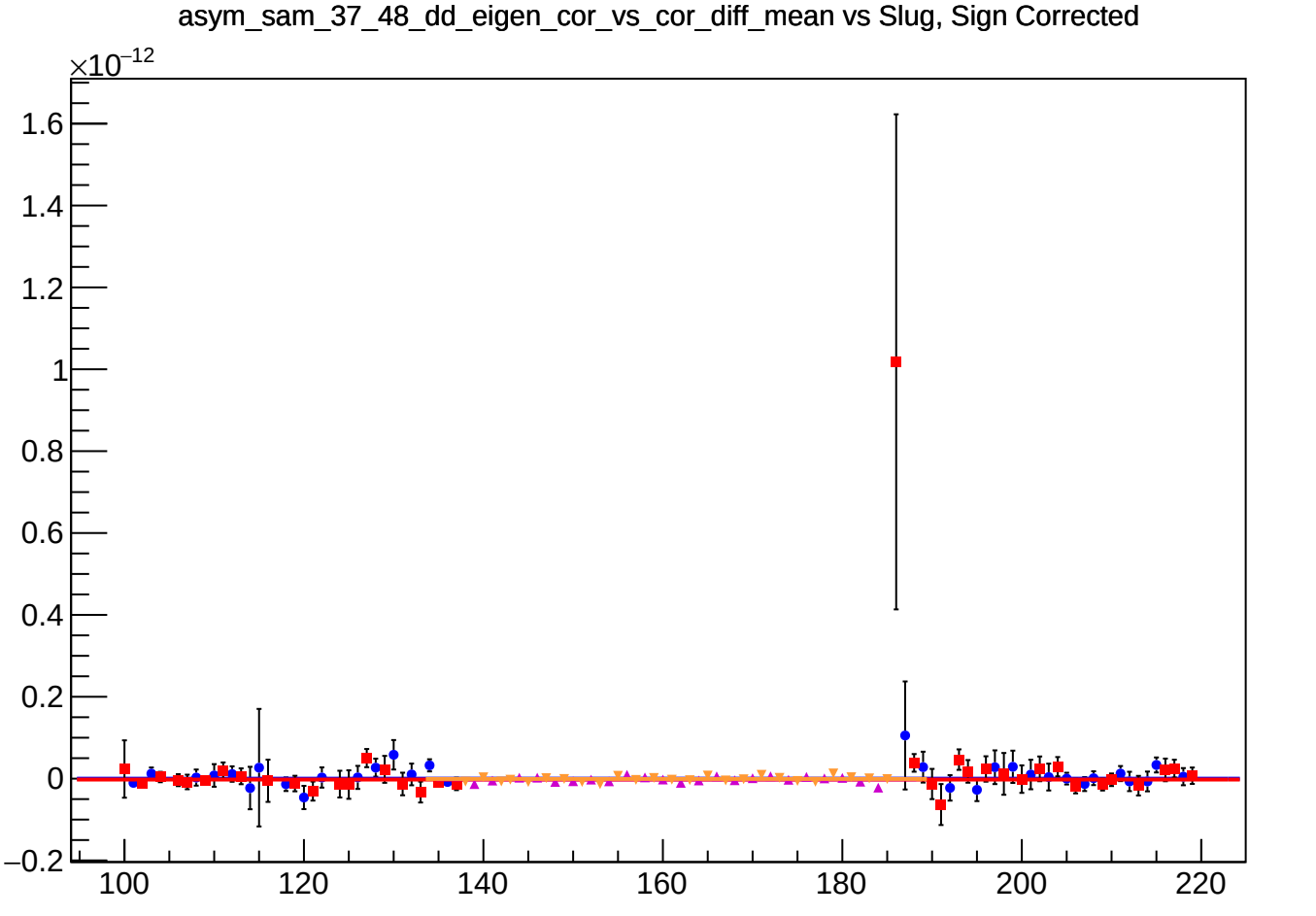
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 35.931+/-0.004 χ^2/NDF: 3875956.6/68

In: 31.749+/-0.004 χ^2/NDF:5277486.2/54

Out: 32.600+/-0.004 χ^2/NDF:6794526.3/61

All: 32.174+/-0.003 χ^2/NDF: 12096707.3/116



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/31

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/36

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

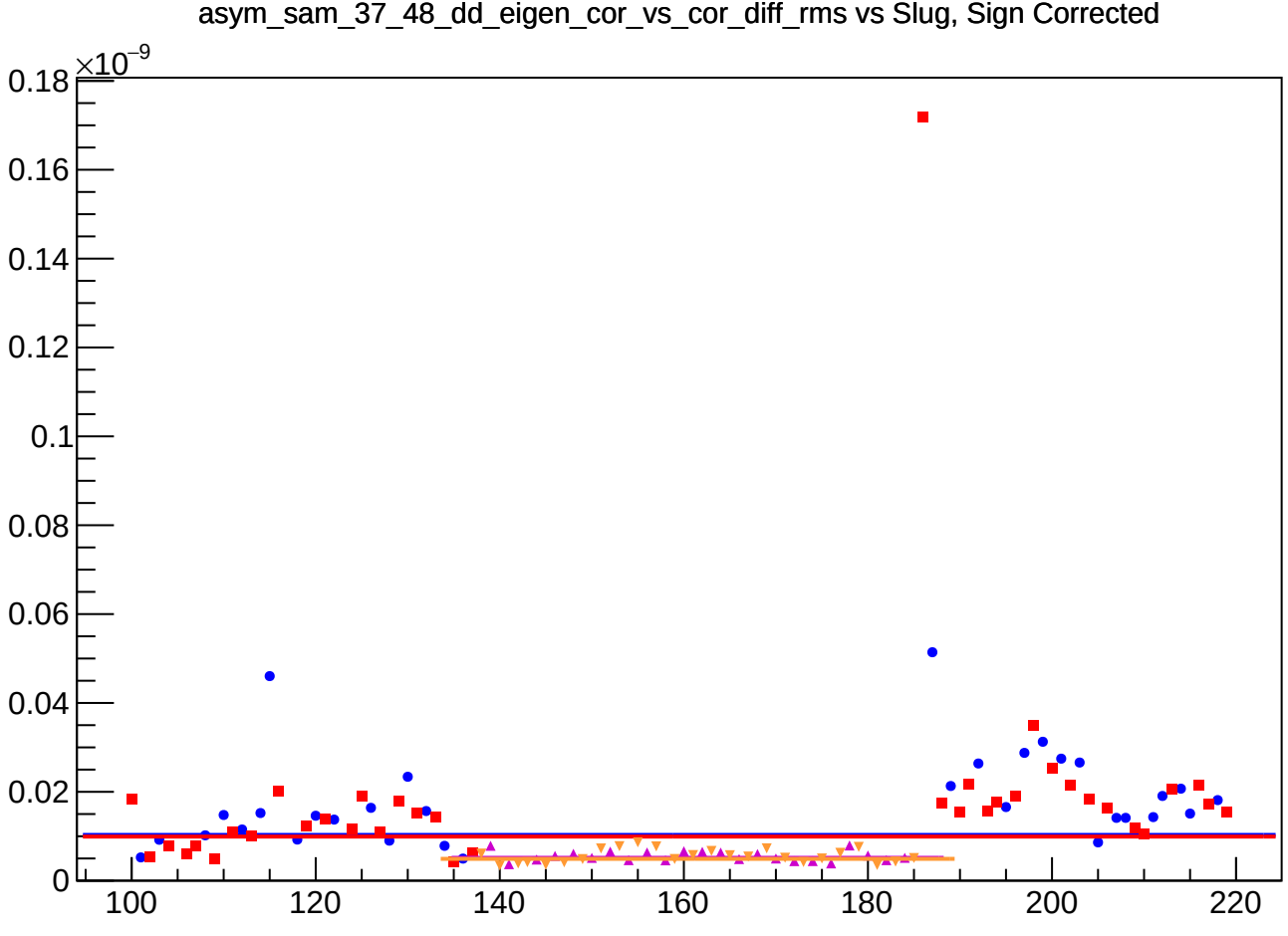
Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

Right: -0.000+/-0.000 χ^2/NDF: 59.8/68

In: -0.000+/-0.000 χ^2/NDF:42.2/54

Out: -0.000+/-0.000 χ^2/NDF:49.4/61

All: -0.000+/-0.000 χ^2/NDF: 91.6/116



Right In: 0.000+/-0.000 χ^2/NDF: 7314715.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6922849.9/36

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

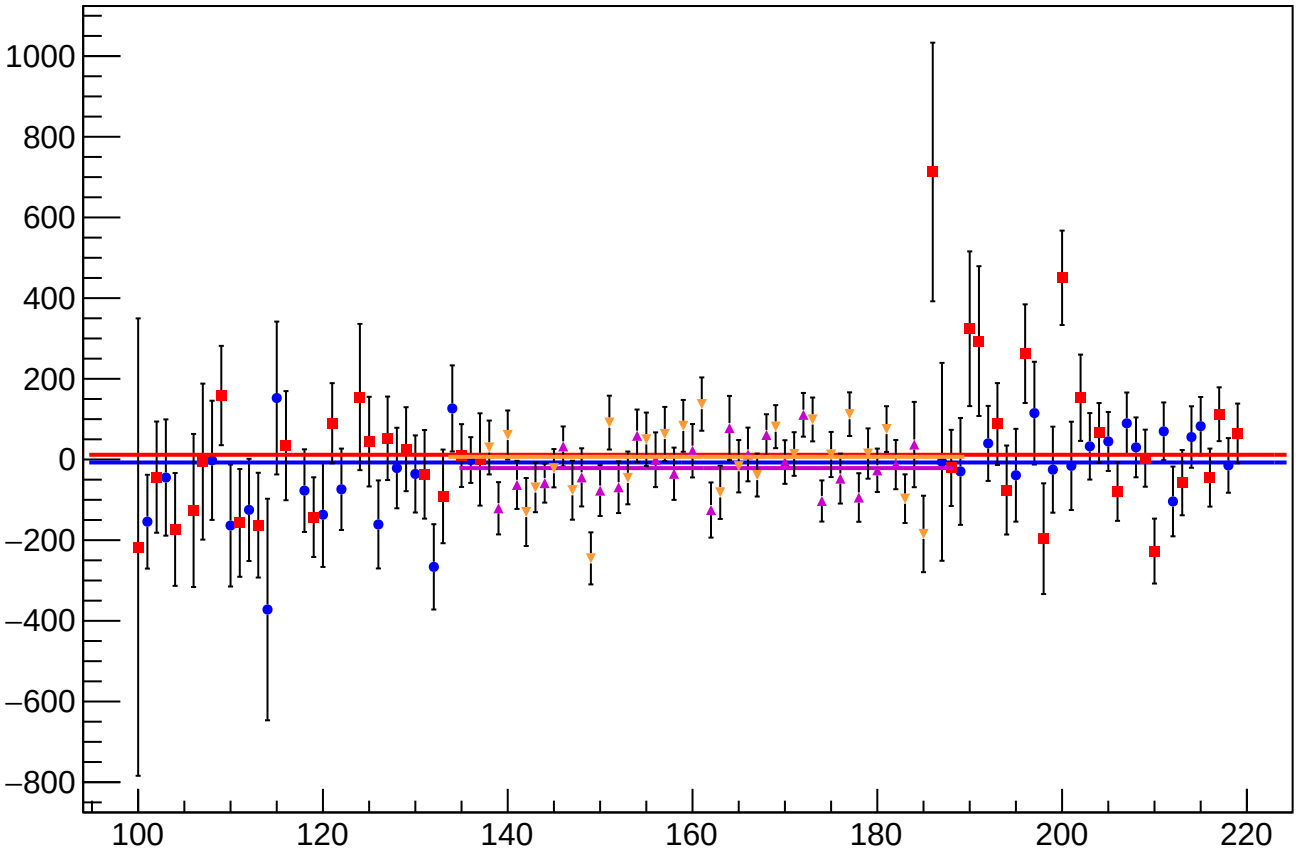
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14251591.6/68

In: 0.000+/-0.000 χ^2/NDF:12587060.8/54

Out: 0.000+/-0.000 χ^2/NDF:13211974.4/61

All: 0.000+/-0.000 χ^2/NDF: 25840469.1/116



Right In: -7.403+/-17.037 χ^2/NDF: 26.2/31

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: 11.677+/-17.112 χ^2/NDF: 60.8/36

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

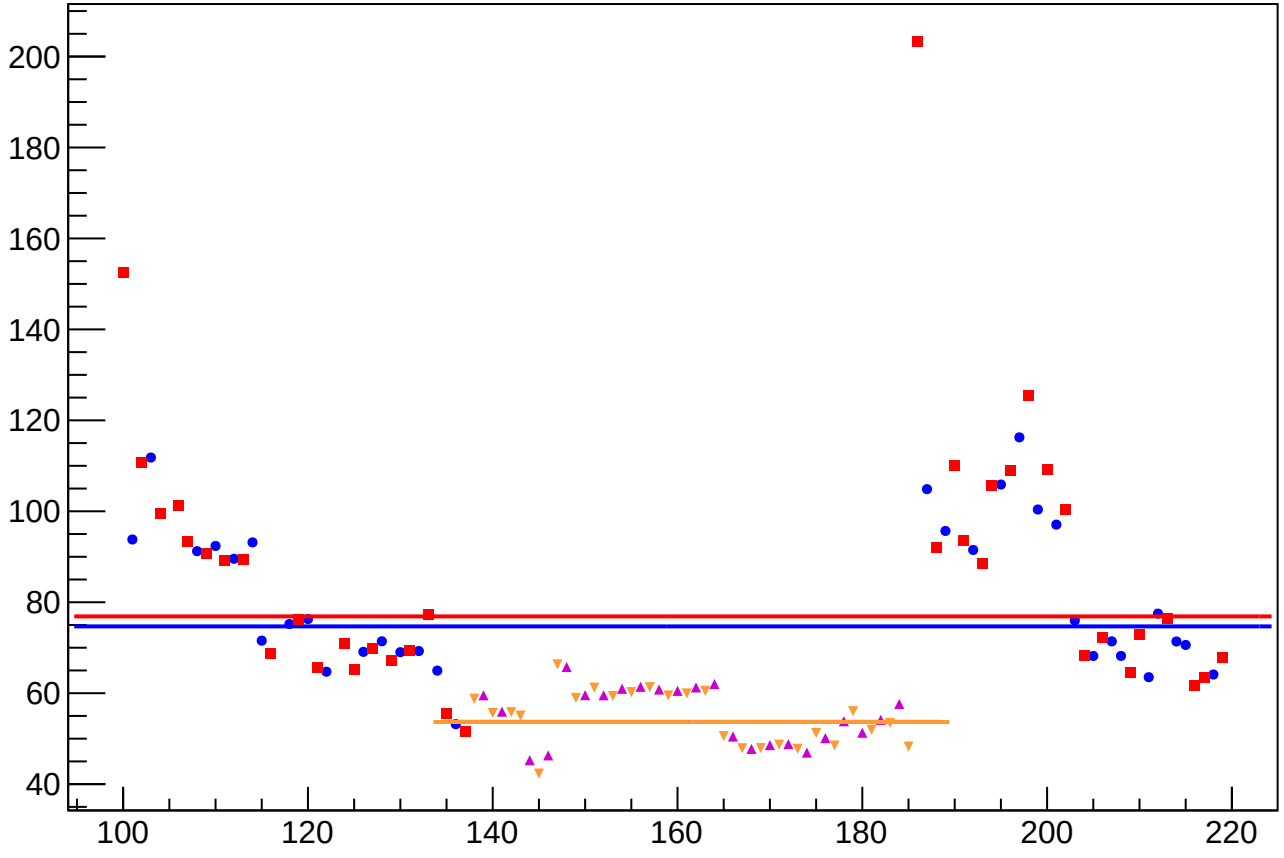
Right: 2.094+/-12.073 χ^2/NDF: 87.7/68

In: -16.384+/-10.156 χ^2/NDF:52.0/54

Out: 8.276+/-9.981 χ^2/NDF:111.5/61

All: -3.840+/-7.119 χ^2/NDF: 166.5/116

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 74.689+/-0.012 χ^2/NDF: 1471471.4/31

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 76.887+/-0.012 χ^2/NDF: 2201463.1/36

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

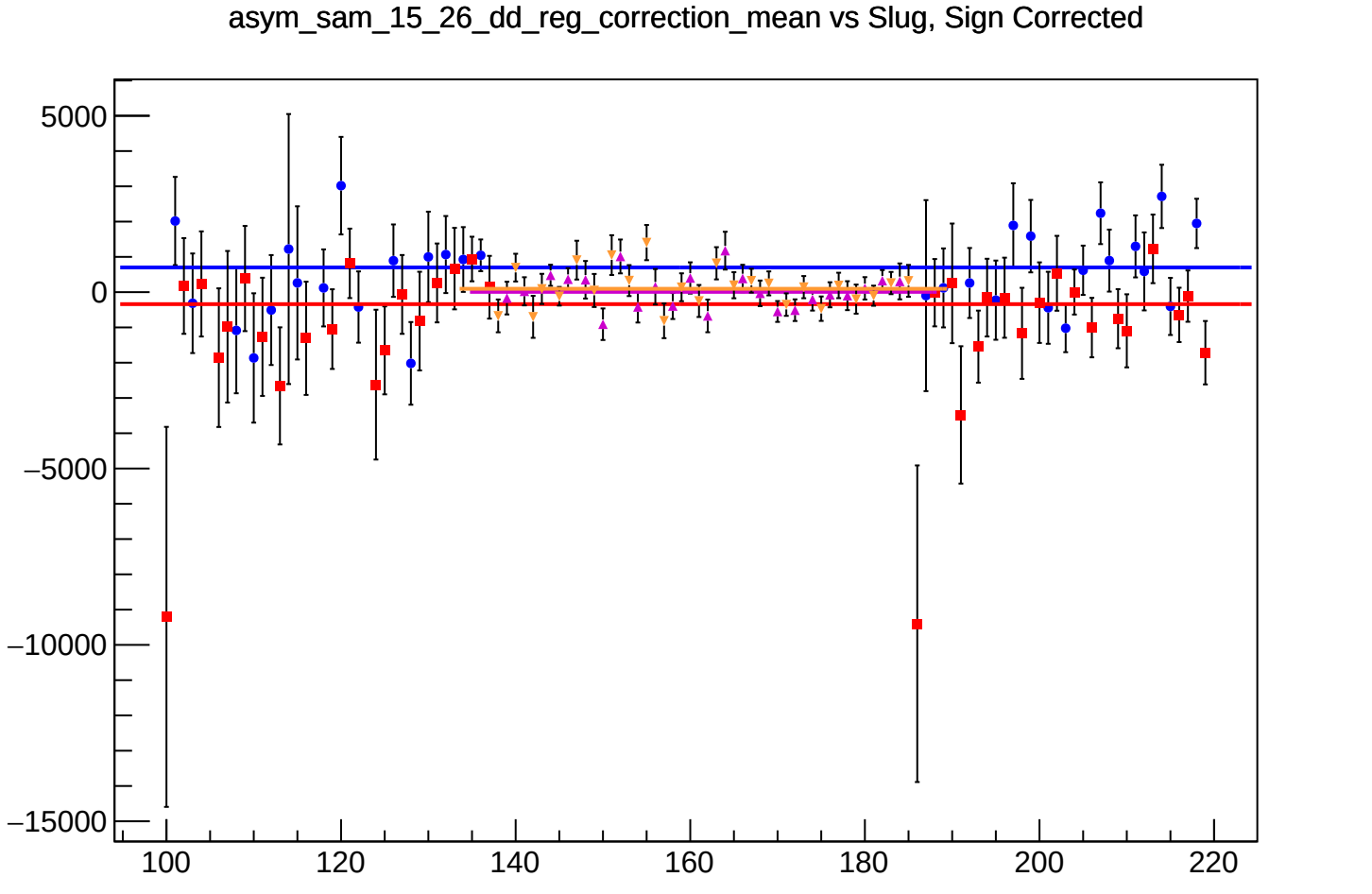
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 75.784+/-0.009 χ^2/NDF: 3689503.1/68

In: 61.156+/-0.007 χ^2/NDF:3900775.2/54

Out: 61.565+/-0.007 χ^2/NDF:5103768.6/61

All: 61.364+/-0.005 χ^2/NDF: 9006199.1/116



Right In: 699.803+/-173.738 χ^2/NDF: 40.1/31

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -339.769+/-179.523 χ^2/NDF: 32.5/36

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

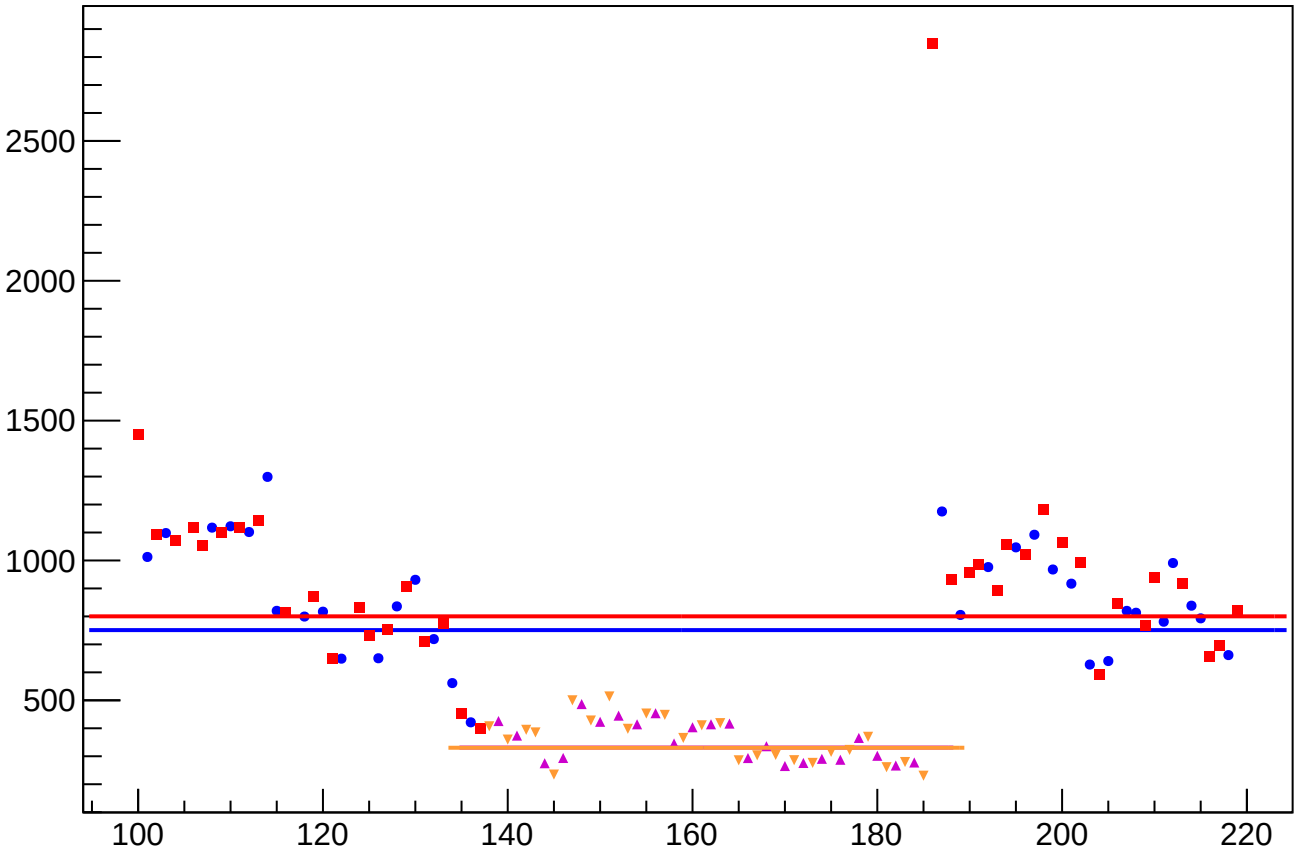
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 197.034+/-124.846 χ^2/NDF: 90.0/68

In: 126.741+/-72.009 χ^2/NDF:85.6/54

Out: 27.631+/-70.869 χ^2/NDF:70.7/61

All: 76.395+/-50.510 χ^2/NDF: 157.2/116



Right In: 751.043+/-0.123 χ^2/NDF: 2672733.6/31

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 800.265+/-0.127 χ^2/NDF: 3051949.7/36

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

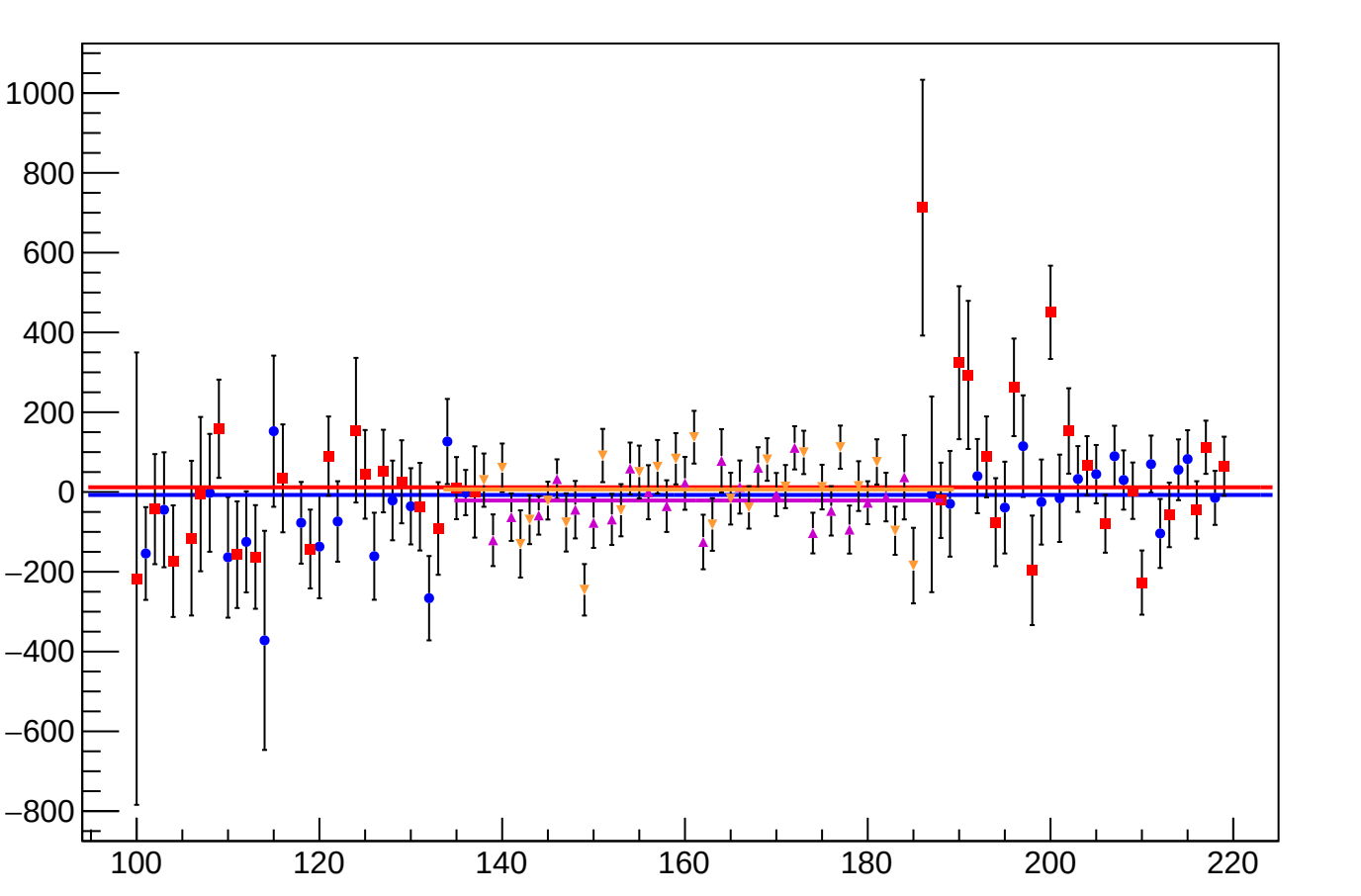
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 774.848+/-0.088 χ^2/NDF: 5802319.7/68

In: 403.205+/-0.051 χ^2/NDF:13677747.1/54

Out: 403.628+/-0.050 χ^2/NDF:16369599.5/61

All: 403.420+/-0.036 χ^2/NDF: 30047381.7/11



Right In: -7.397+/-17.037 χ^2/NDF: 26.2/31

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 11.821+/-17.115 χ^2/NDF: 60.7/36

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

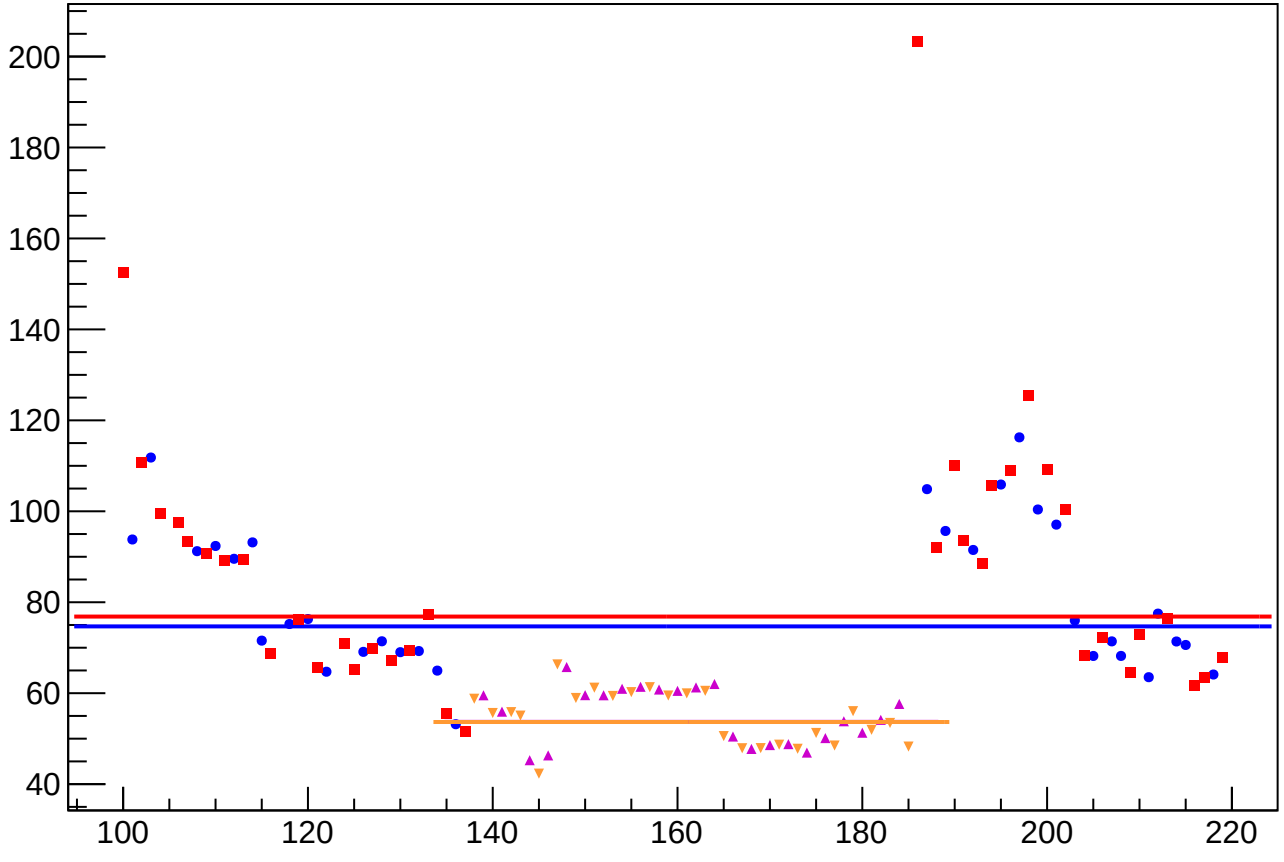
Right: 2.168+/-12.074 χ^2/NDF: 87.6/68

In: -16.382+/-10.156 χ^2/NDF:52.0/54

Out: 8.326+/-9.981 χ^2/NDF:111.4/61

All: -3.813+/-7.119 χ^2/NDF: 166.4/116

cor_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 74.689+/-0.012 χ^2/NDF: 1471473.8/31

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 76.850+/-0.012 χ^2/NDF: 2191523.6/36

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

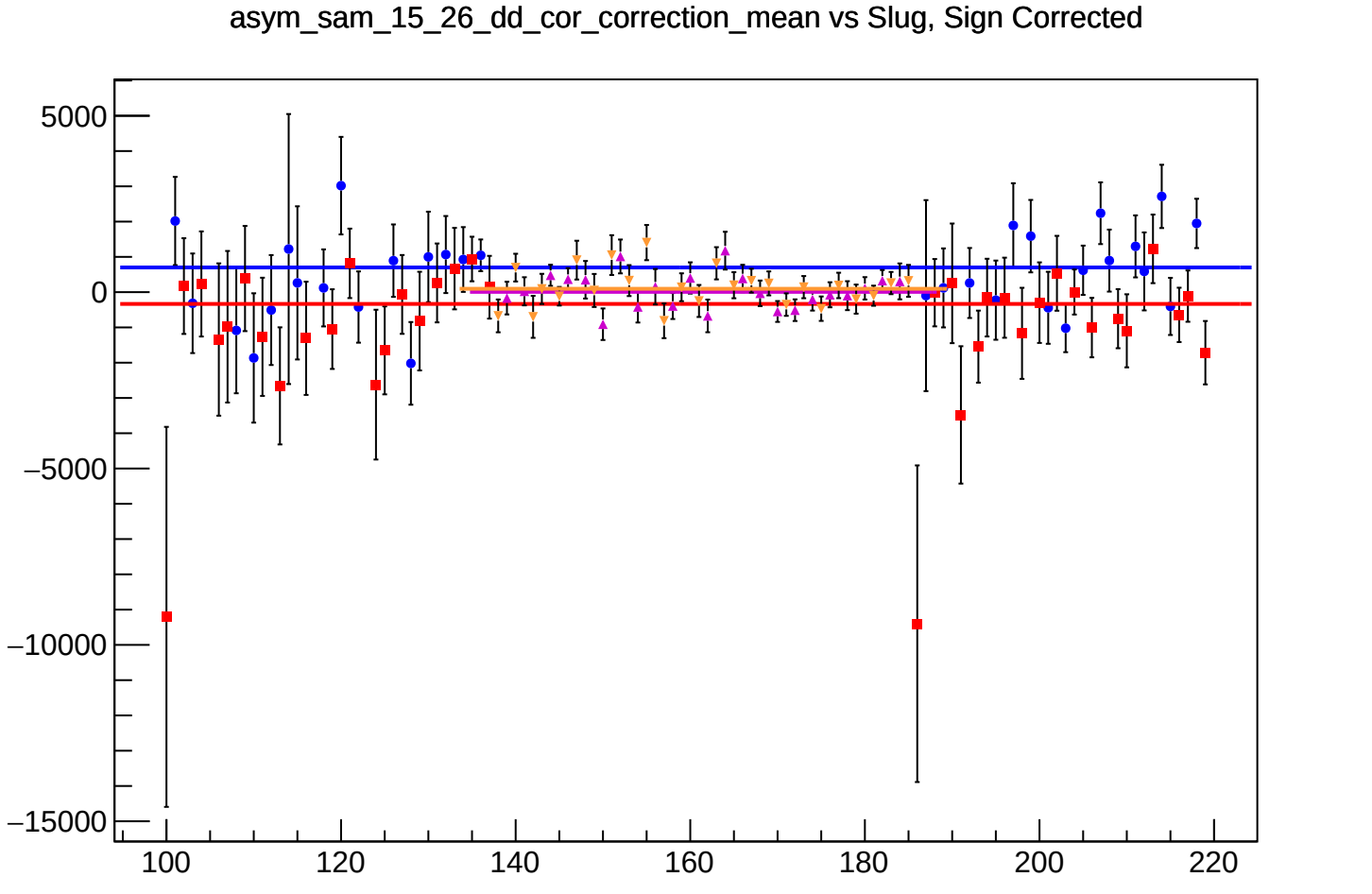
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 75.765+/-0.009 χ^2/NDF: 3679012.6/68

In: 61.156+/-0.007 χ^2/NDF:3900777.8/54

Out: 61.551+/-0.007 χ^2/NDF:5085553.0/61

All: 61.357+/-0.005 χ^2/NDF: 8987871.6/116



Right In: 699.801+/-173.739 χ^2/NDF: 40.1/31

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -334.101+/-179.653 χ^2/NDF: 32.1/36

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

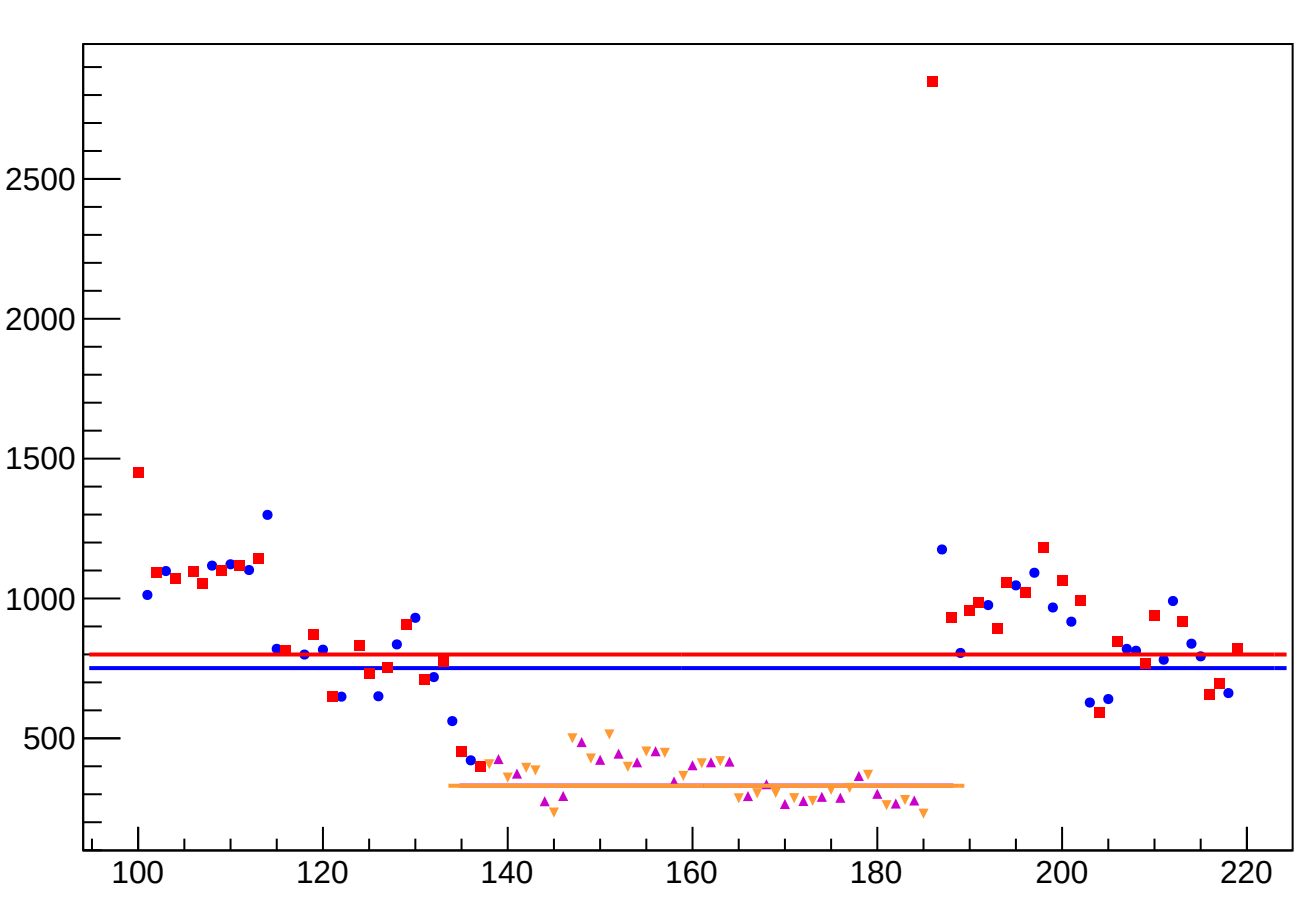
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 200.150+/-124.890 χ^2/NDF: 89.4/68

In: 126.737+/-72.009 χ^2/NDF:85.6/54

Out: 28.598+/-70.877 χ^2/NDF:70.1/61

All: 76.890+/-50.513 χ^2/NDF: 156.7/116



Right In: 751.044+/-0.123 χ^2/NDF: 2672756.8/31

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 799.658+/-0.127 χ^2/NDF: 3037291.8/36

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

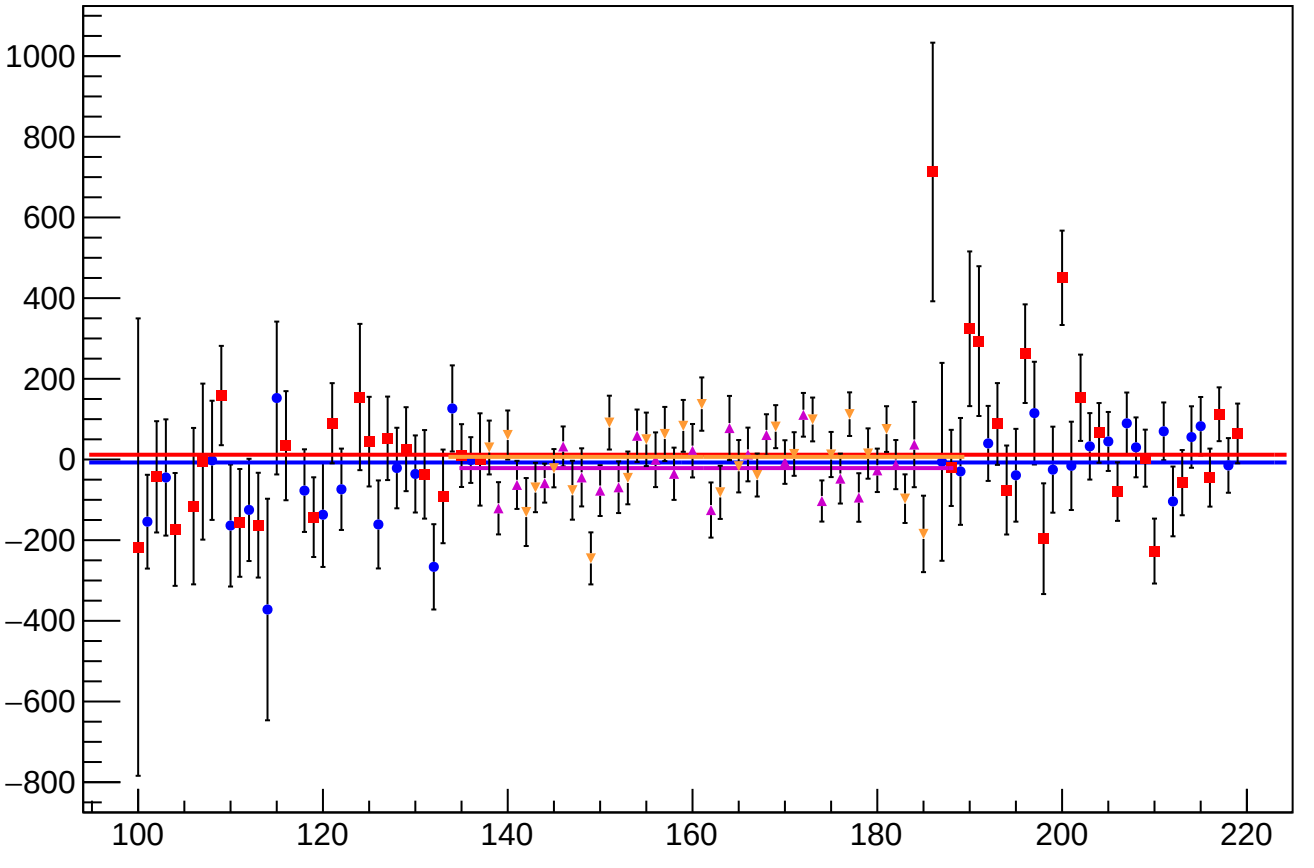
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 774.537+/-0.088 χ^2/NDF: 5785724.1/68

In: 403.205+/-0.051 χ^2/NDF:13677781.7/54

Out: 403.444+/-0.050 χ^2/NDF:16310929.3/61

All: 403.327+/-0.036 χ^2/NDF: 29988722.2/11



Right In: -7.397+/-17.037 χ^2/NDF: 26.2/31

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 11.821+/-17.115 χ^2/NDF: 60.7/36

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

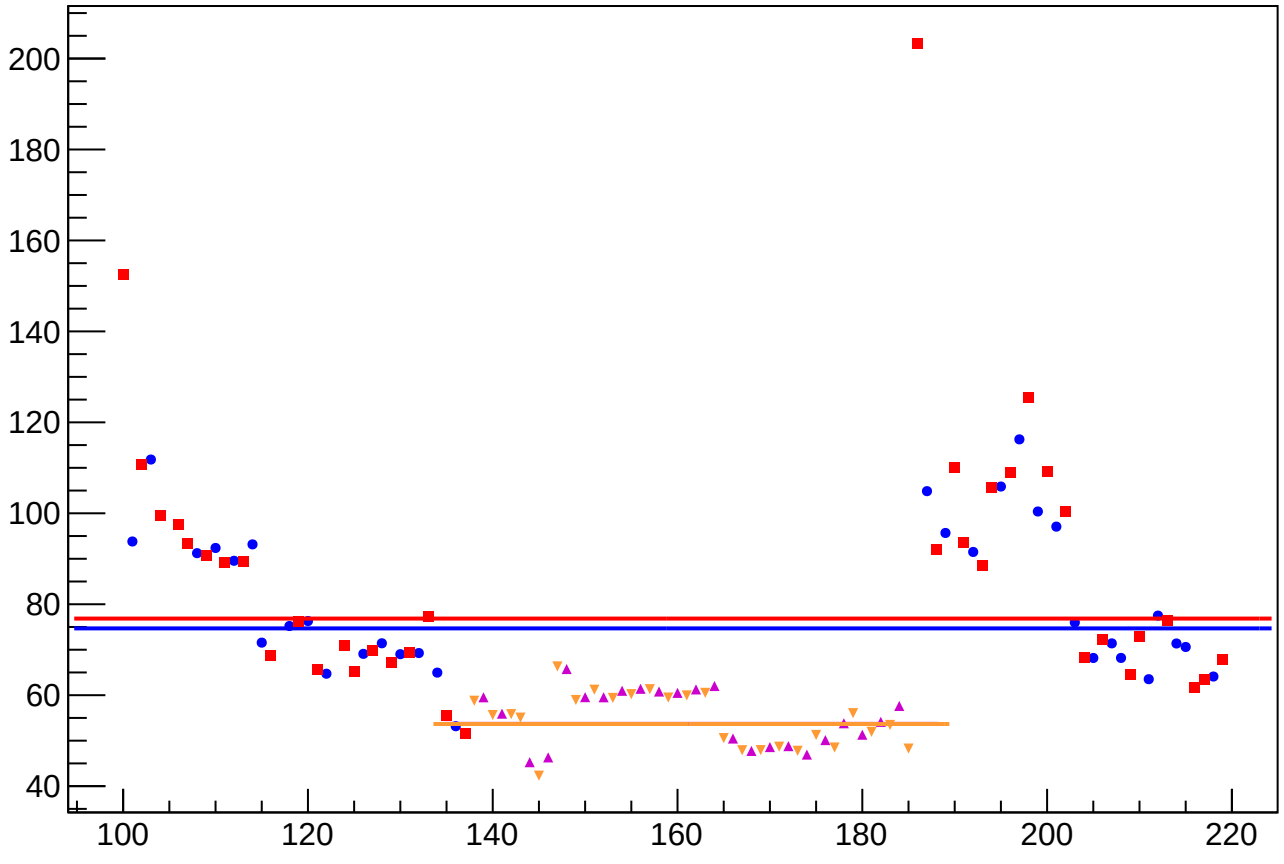
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: 2.168+/-12.074 χ^2/NDF: 87.6/68

In: -16.382+/-10.156 χ^2/NDF:52.0/54

Out: 8.326+/-9.981 χ^2/NDF:111.4/61

All: -3.813+/-7.119 χ^2/NDF: 166.4/116



Right In: 74.689+/-0.012 χ^2/NDF: 1471473.8/31

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 76.850+/-0.012 χ^2/NDF: 2191523.6/36

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

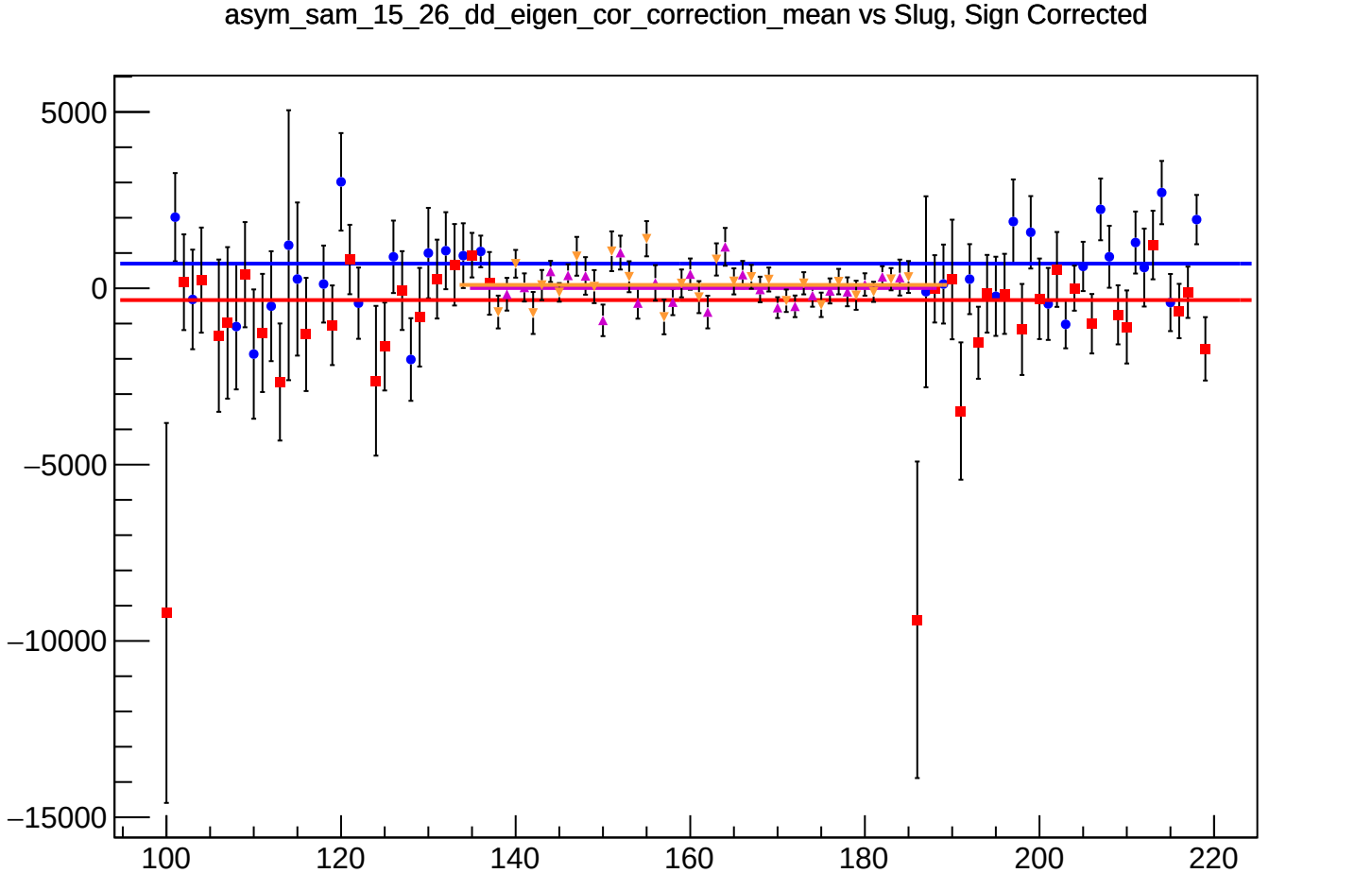
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 75.765+/-0.009 χ^2/NDF: 3679012.6/68

In: 61.156+/-0.007 χ^2/NDF:3900777.8/54

Out: 61.551+/-0.007 χ^2/NDF:5085553.0/61

All: 61.357+/-0.005 χ^2/NDF: 8987871.6/116



Right In: 699.801+/-173.739 χ^2/NDF: 40.1/31

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -334.101+/-179.653 χ^2/NDF: 32.1/36

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

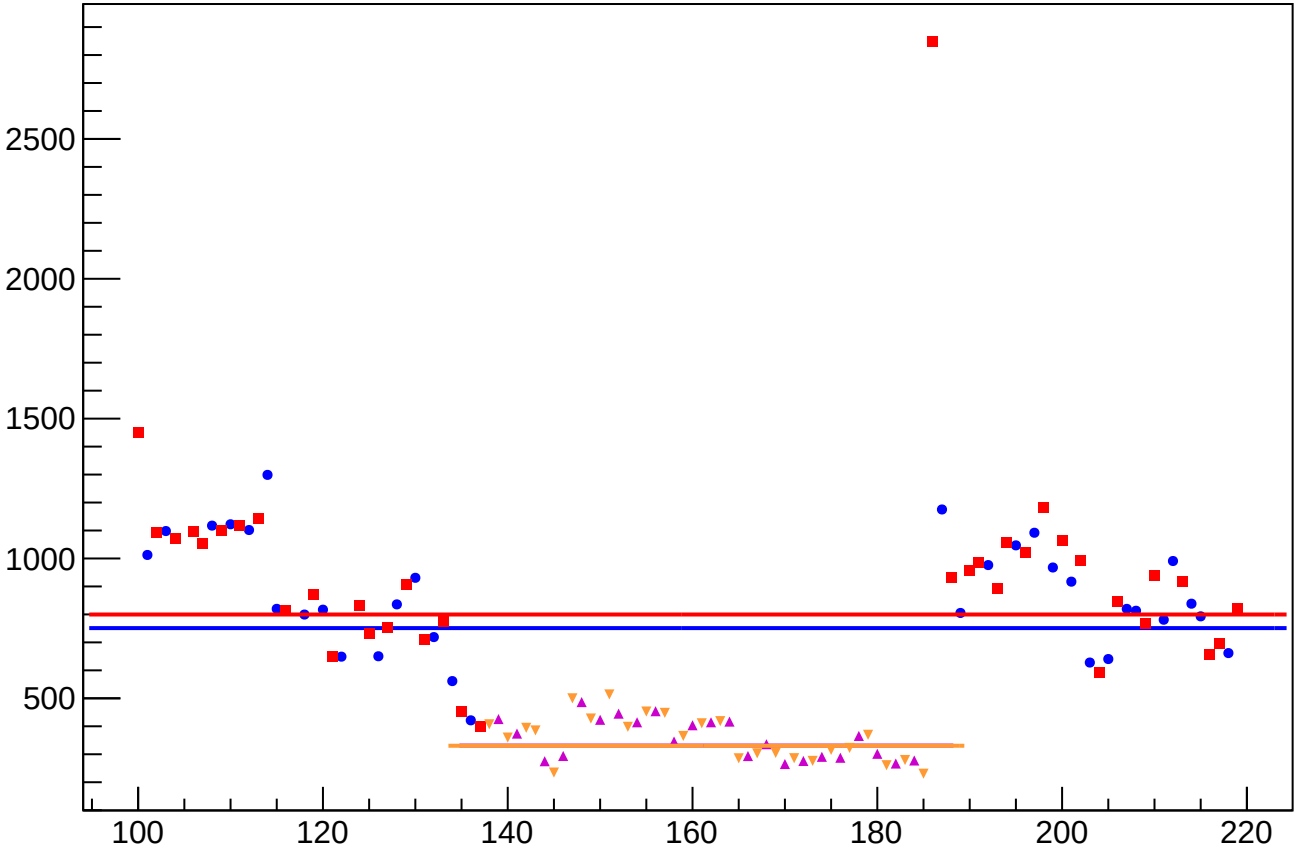
Right: 200.150+/-124.890 χ^2/NDF: 89.4/68

In: 126.737+/-72.009 χ^2/NDF:85.6/54

Out: 28.598+/-70.877 χ^2/NDF:70.1/61

All: 76.890+/-50.513 χ^2/NDF: 156.7/116

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 751.044+/-0.123 χ^2/NDF: 2672756.8/31

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 799.658+/-0.127 χ^2/NDF: 3037291.8/36

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

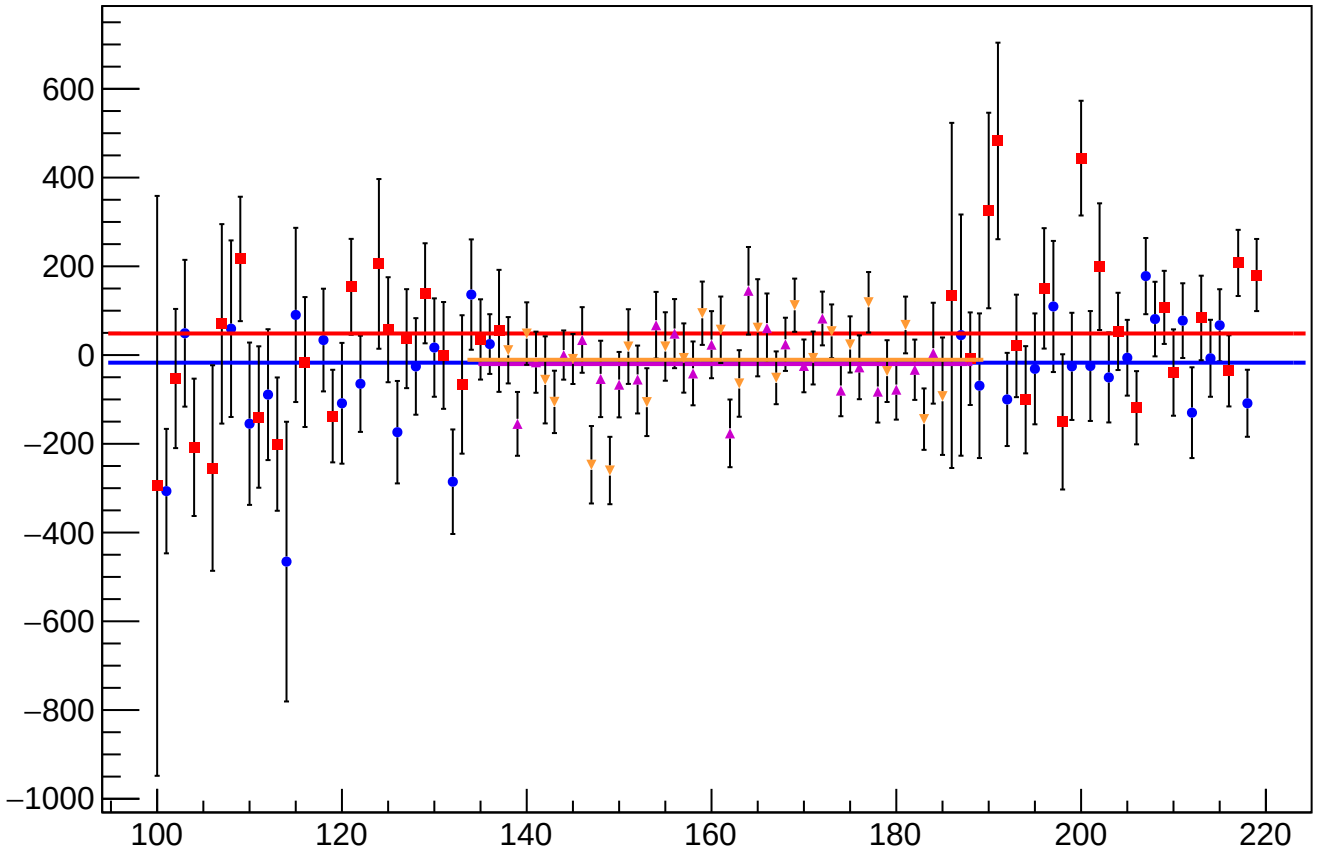
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 774.537+/-0.088 χ^2/NDF: 5785724.1/68

In: 403.205+/-0.051 χ^2/NDF:13677781.7/54

Out: 403.444+/-0.050 χ^2/NDF:16310929.3/61

All: 403.327+/-0.036 χ^2/NDF: 29988722.2/11



Right In: -17.152+/-19.501 χ^2/NDF: 30.8/31

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: 48.645+/-19.451 χ^2/NDF: 51.1/36

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

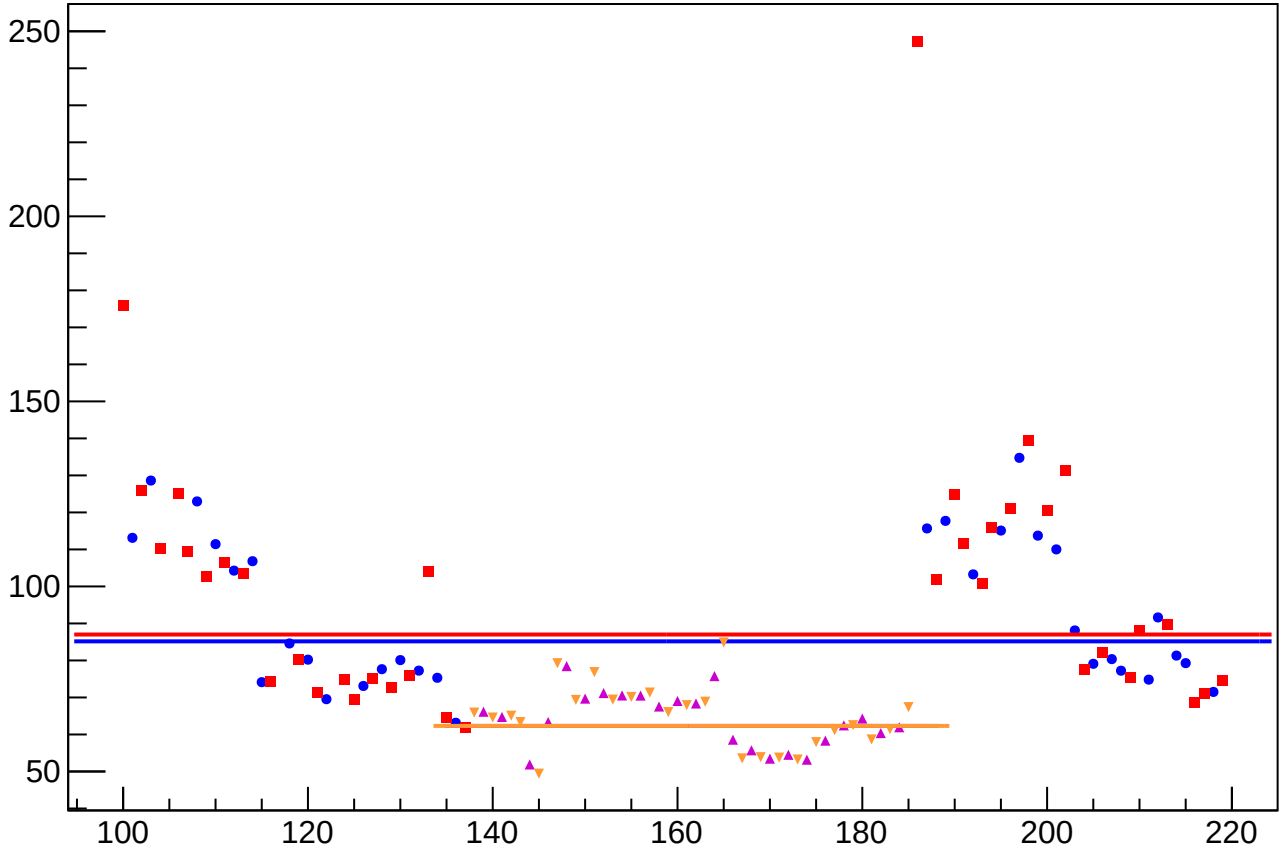
Right: 15.832+/-13.772 χ^2/NDF: 87.6/68

In: -19.158+/-11.764 χ^2/NDF:52.5/54

Out: 10.198+/-11.527 χ^2/NDF:99.3/61

All: -4.181+/-8.233 χ^2/NDF: 155.0/116

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 85.164+/-0.014 χ^2/NDF: 1545819.0/31

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 87.010+/-0.014 χ^2/NDF: 2375125.3/36

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

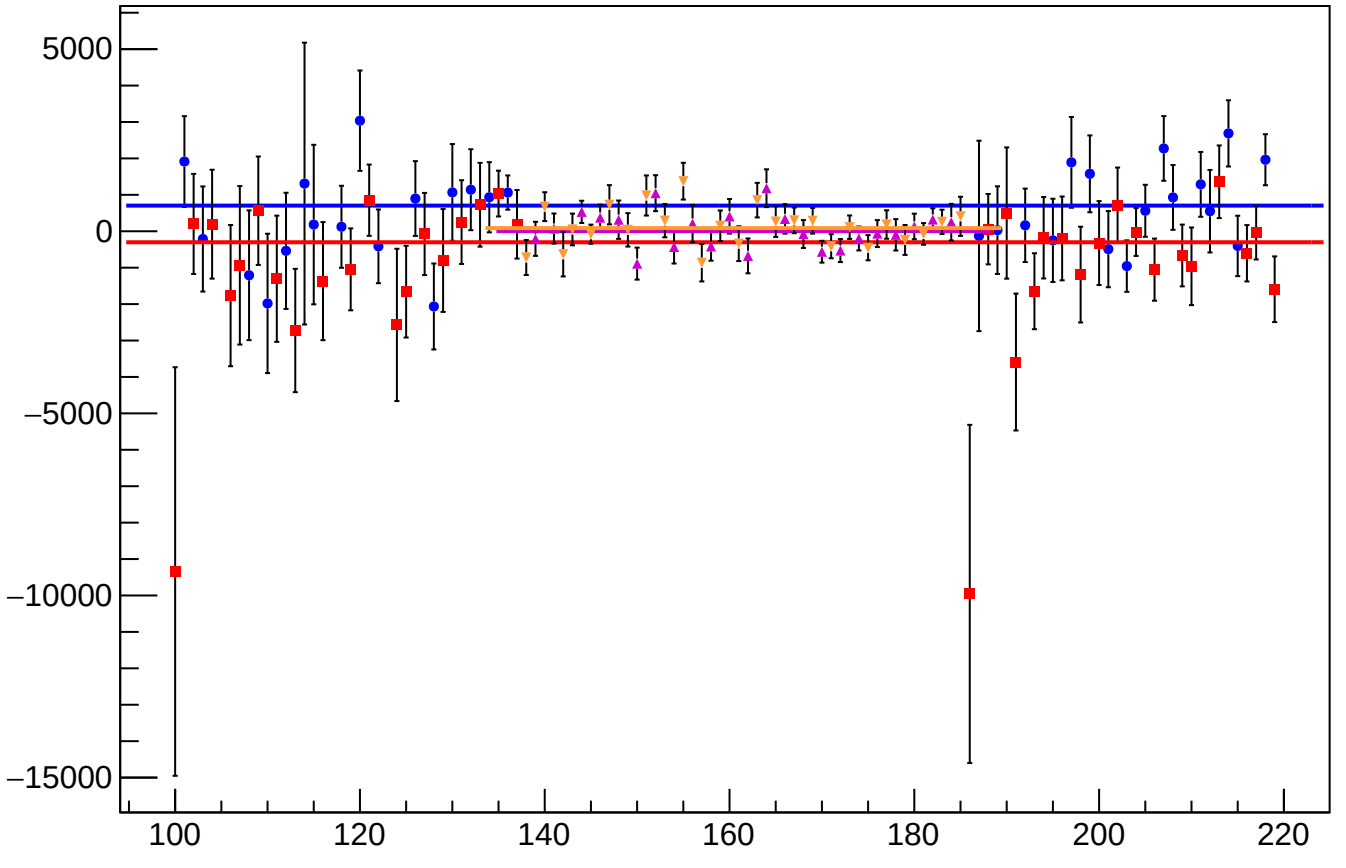
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 86.089+/-0.010 χ^2/NDF: 3929927.9/68

In: 70.627+/-0.008 χ^2/NDF:3777494.5/54

Out: 70.989+/-0.008 χ^2/NDF:5102747.7/61

All: 70.811+/-0.006 χ^2/NDF: 8881208.1/116



Right In: 704.295+/-177.881 χ^2/NDF: 39.2/31

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -301.743+/-181.600 χ^2/NDF: 34.3/36

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

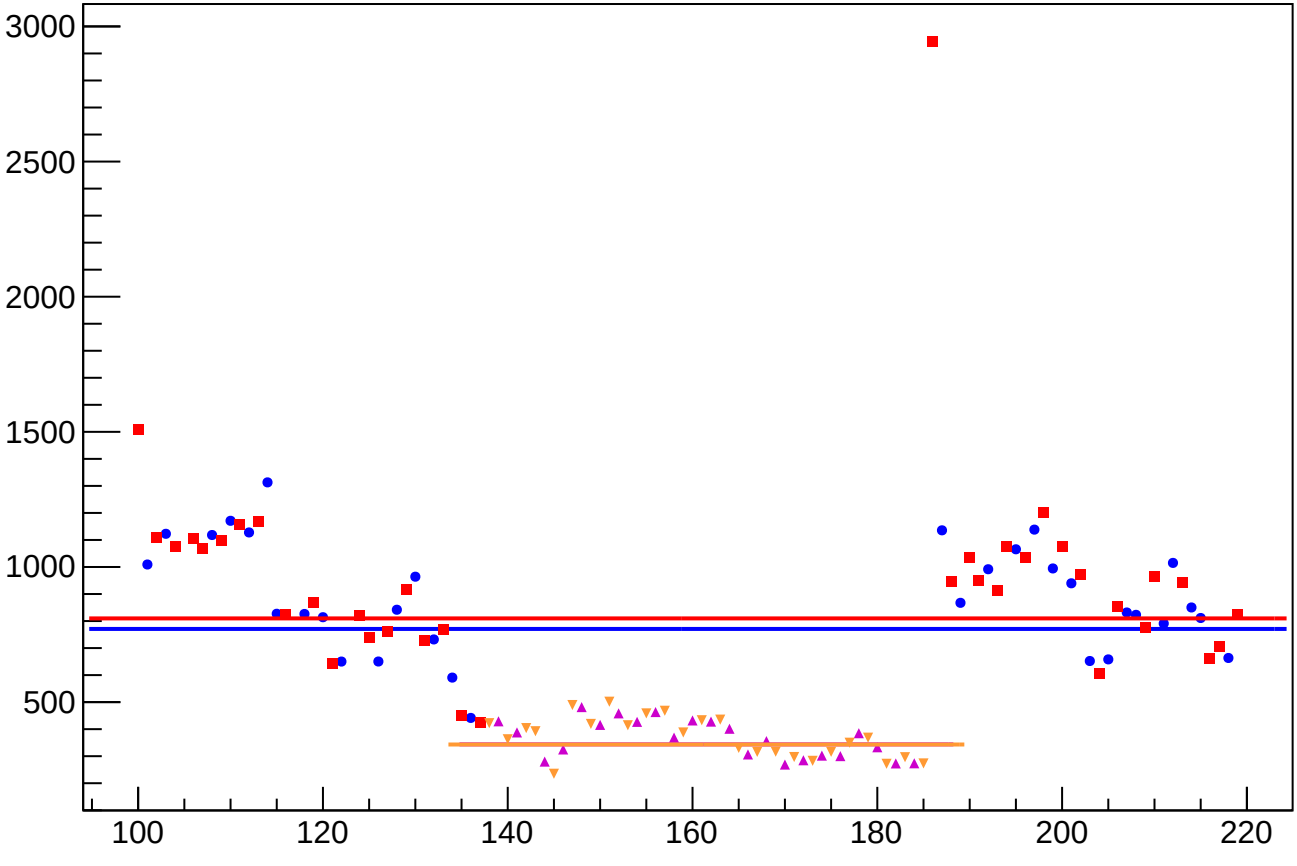
Right: 211.683+/-127.075 χ^2/NDF: 89.1/68

In: 129.066+/-74.551 χ^2/NDF:84.3/54

Out: 24.023+/-73.086 χ^2/NDF:69.8/61

All: 75.502+/-52.190 χ^2/NDF: 155.1/116

asym_sam_15_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 770.798+/-0.126 χ^2/NDF: 2543484.2/31

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 809.756+/-0.128 χ^2/NDF: 3045892.3/36

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

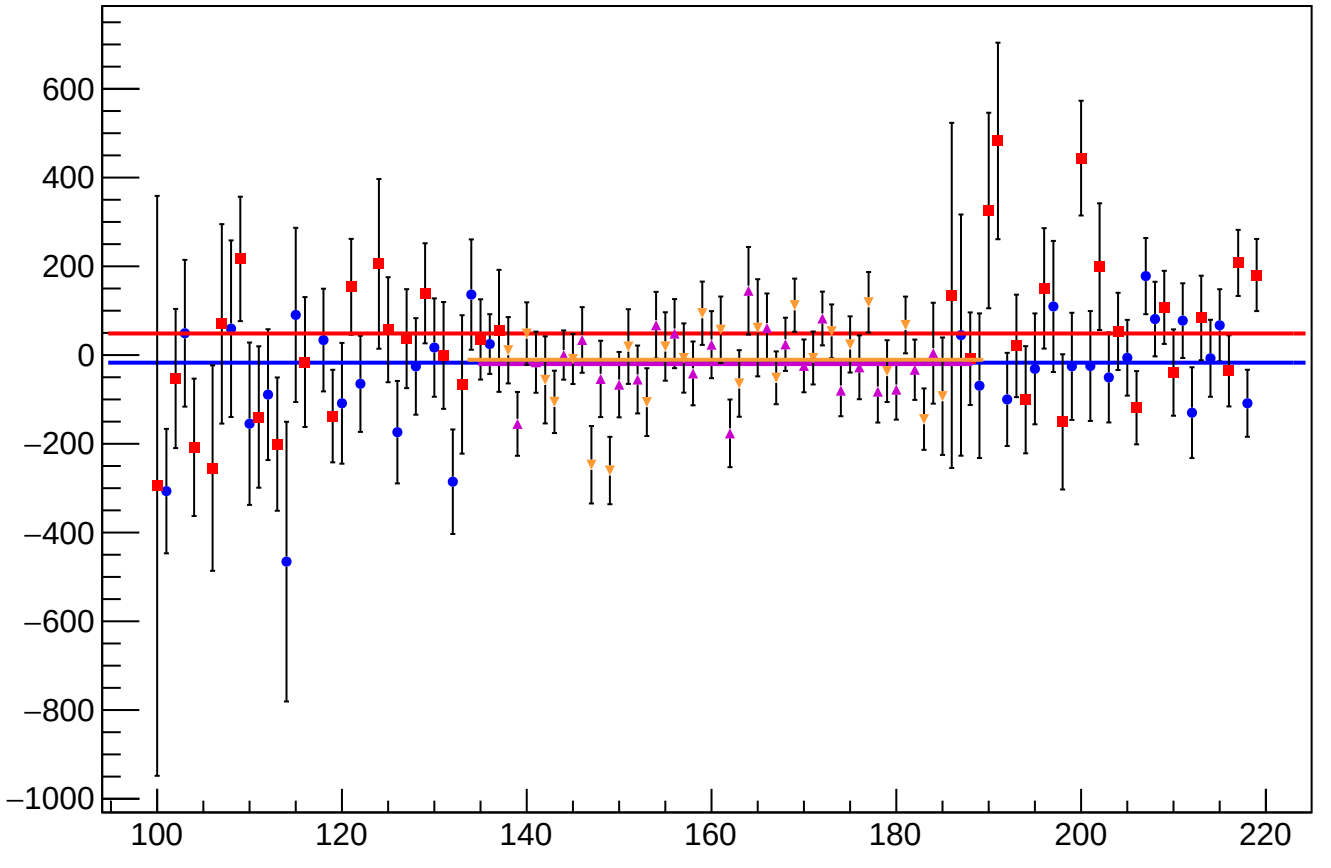
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 789.874+/-0.090 χ^2/NDF: 5636349.0/68

In: 418.734+/-0.053 χ^2/NDF:13305807.5/54

Out: 418.788+/-0.052 χ^2/NDF:15702933.6/61

All: 418.762+/-0.037 χ^2/NDF: 29008741.6/1



Right In: -17.153+/-19.501 χ^2/NDF: 30.8/31

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: 48.645+/-19.451 χ^2/NDF: 51.1/36

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

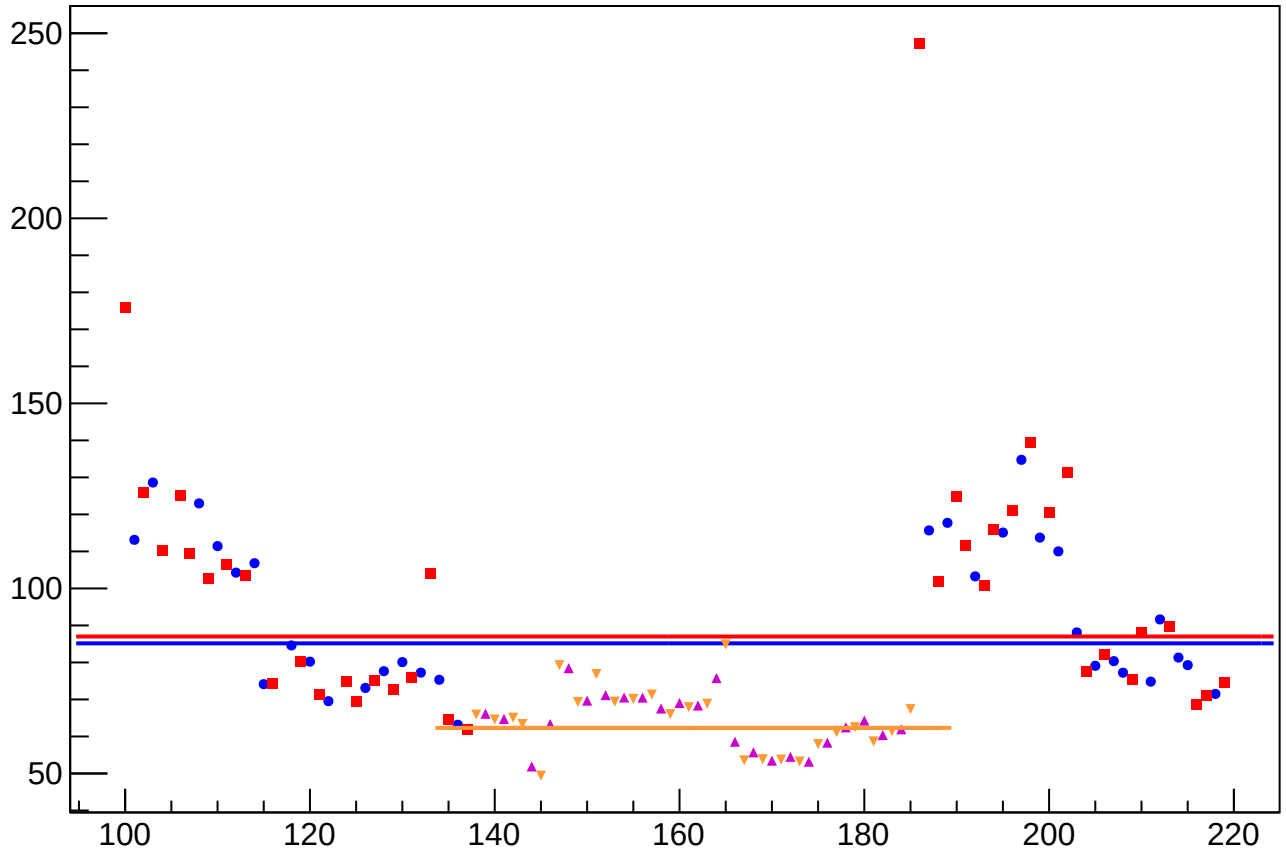
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 15.831+/-13.771 χ^2/NDF: 87.6/68

In: -19.159+/-11.764 χ^2/NDF:52.5/54

Out: 10.199+/-11.527 χ^2/NDF:99.3/61

All: -4.181+/-8.233 χ^2/NDF: 155.0/116



Right In: 85.163+/-0.014 χ^2/NDF: 1545828.0/31

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 87.009+/-0.014 χ^2/NDF: 2375114.9/36

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

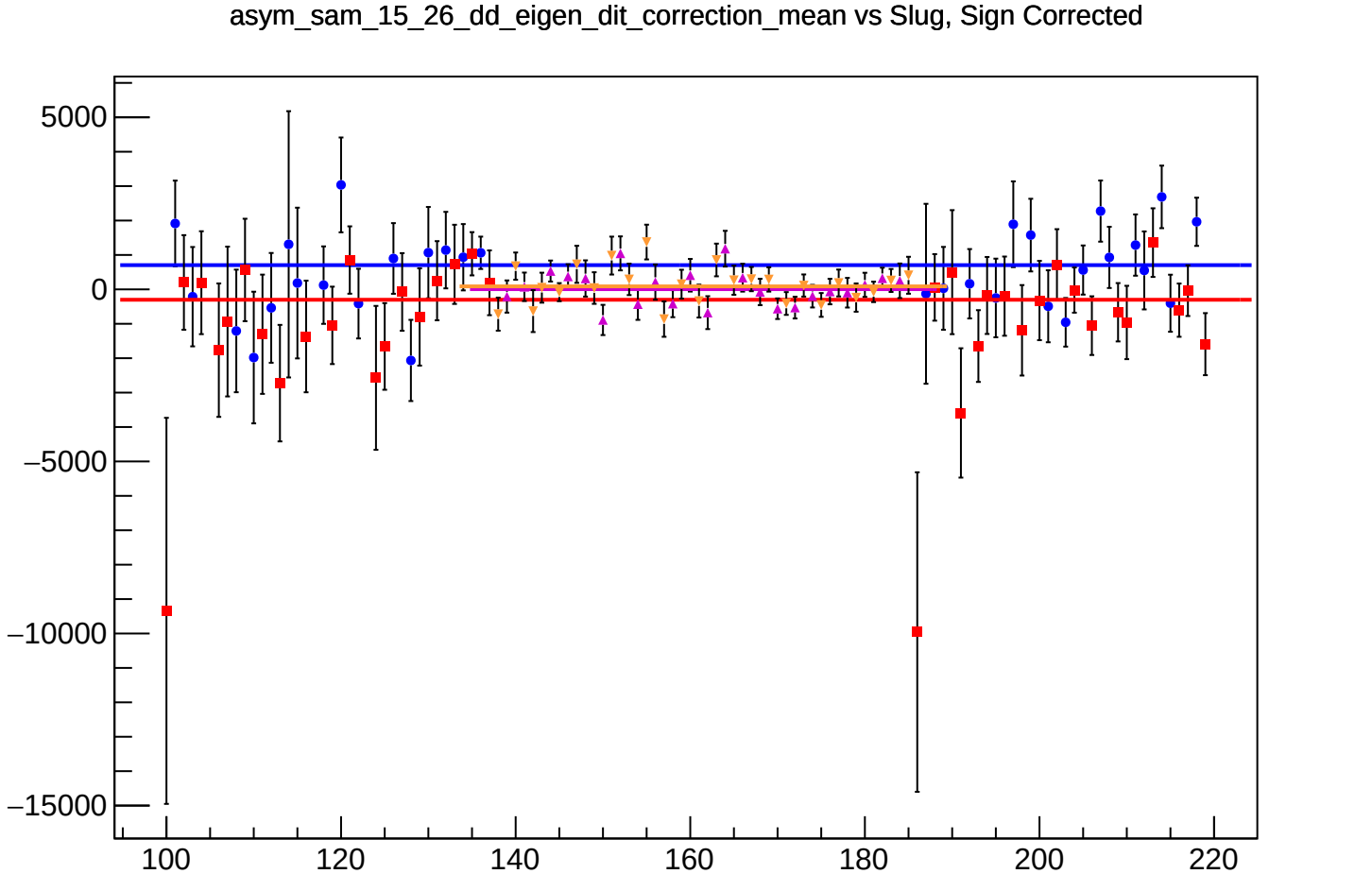
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 86.089+/-0.010 χ^2/NDF: 3929927.3/68

In: 70.627+/-0.008 χ^2/NDF:3777445.7/54

Out: 70.989+/-0.008 χ^2/NDF:5102716.3/61

All: 70.811+/-0.006 χ^2/NDF: 8881127.6/116



Right In: 704.295+/-177.881 χ^2/NDF: 39.2/31

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -301.743+/-181.600 χ^2/NDF: 34.3/36

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

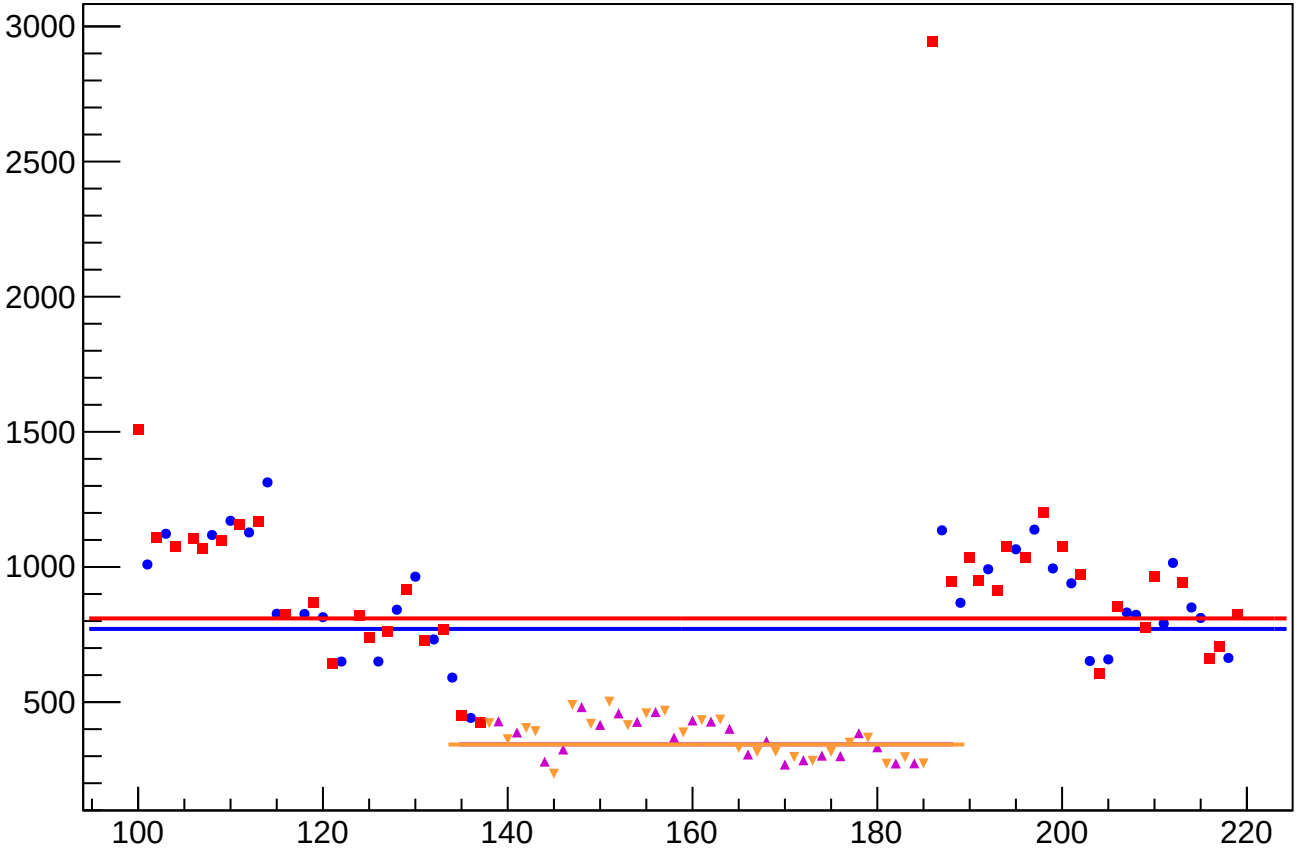
Right: 211.683+/-127.075 χ^2/NDF: 89.1/68

In: 129.066+/-74.551 χ^2/NDF:84.3/54

Out: 24.023+/-73.086 χ^2/NDF:69.8/61

All: 75.502+/-52.190 χ^2/NDF: 155.1/116

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 770.798+/-0.126 χ^2/NDF: 2543472.9/31

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 809.756+/-0.128 χ^2/NDF: 3045879.0/36

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

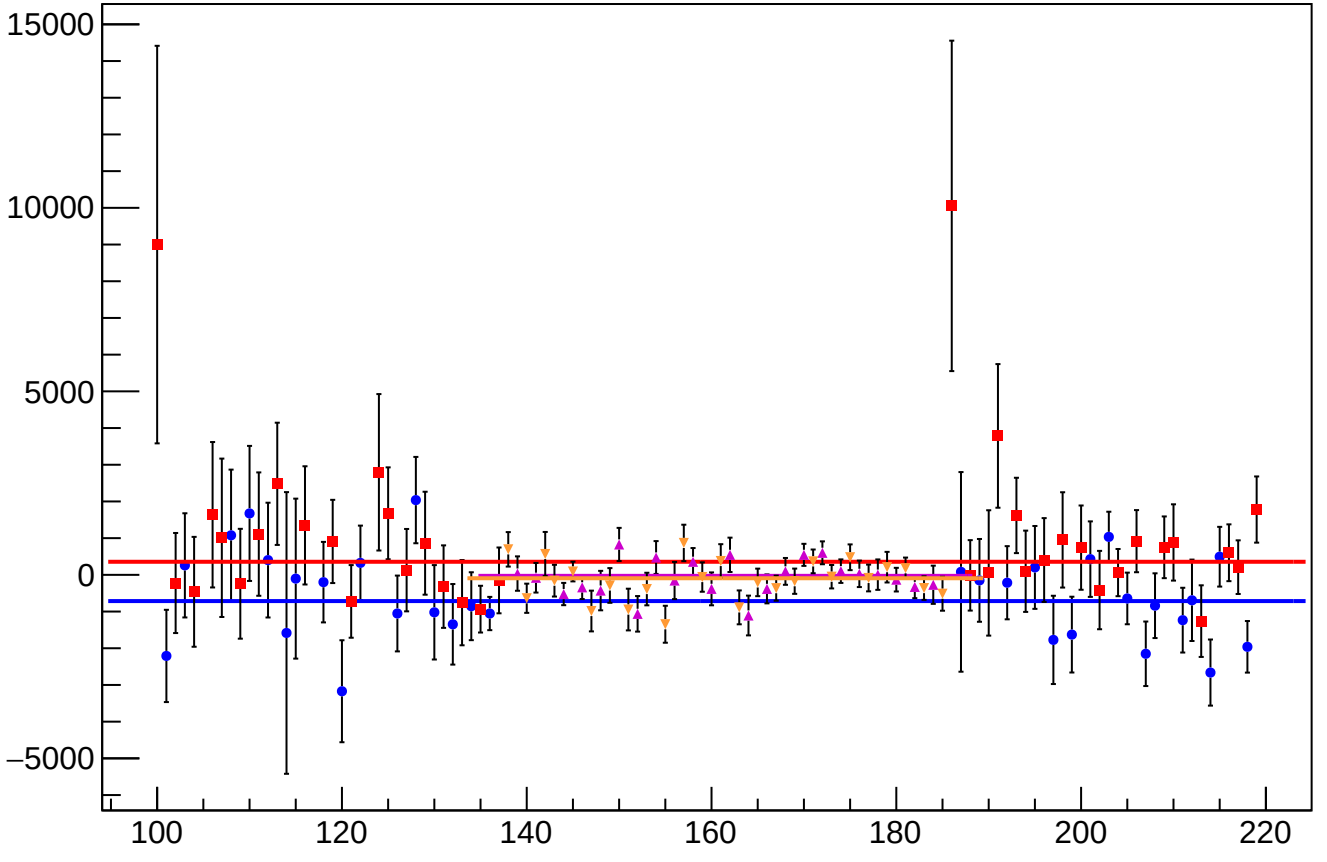
Right: 789.874+/-0.090 χ^2/NDF: 5636324.6/68

In: 418.734+/-0.053 χ^2/NDF:13305805.0/54

Out: 418.789+/-0.052 χ^2/NDF:15702943.7/61

All: 418.762+/-0.037 χ^2/NDF: 29008749.2/11

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -714.612+/-174.718 χ^2/NDF: 39.8/31

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 356.411+/-180.450 χ^2/NDF: 32.4/36

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

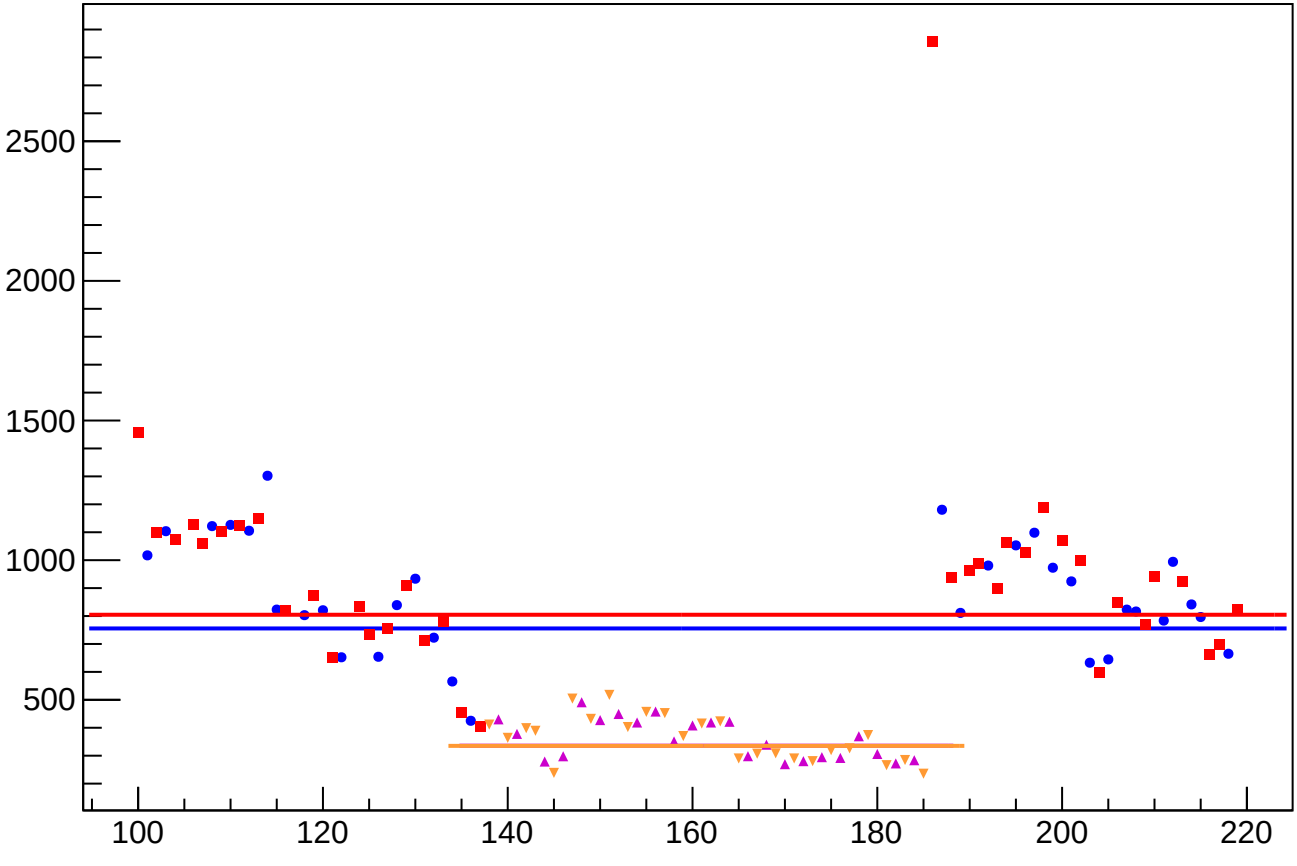
Right: -196.381+/-125.522 χ^2/NDF: 90.4/68

In: -146.830+/-72.894 χ^2/NDF:83.5/54

Out: -21.691+/-71.740 χ^2/NDF:71.9/61

All: -83.262+/-51.131 χ^2/NDF: 156.8/116

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 755.567+/-0.124 χ^2/NDF: 2647220.4/31

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 804.590+/-0.128 χ^2/NDF: 3035470.3/36

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

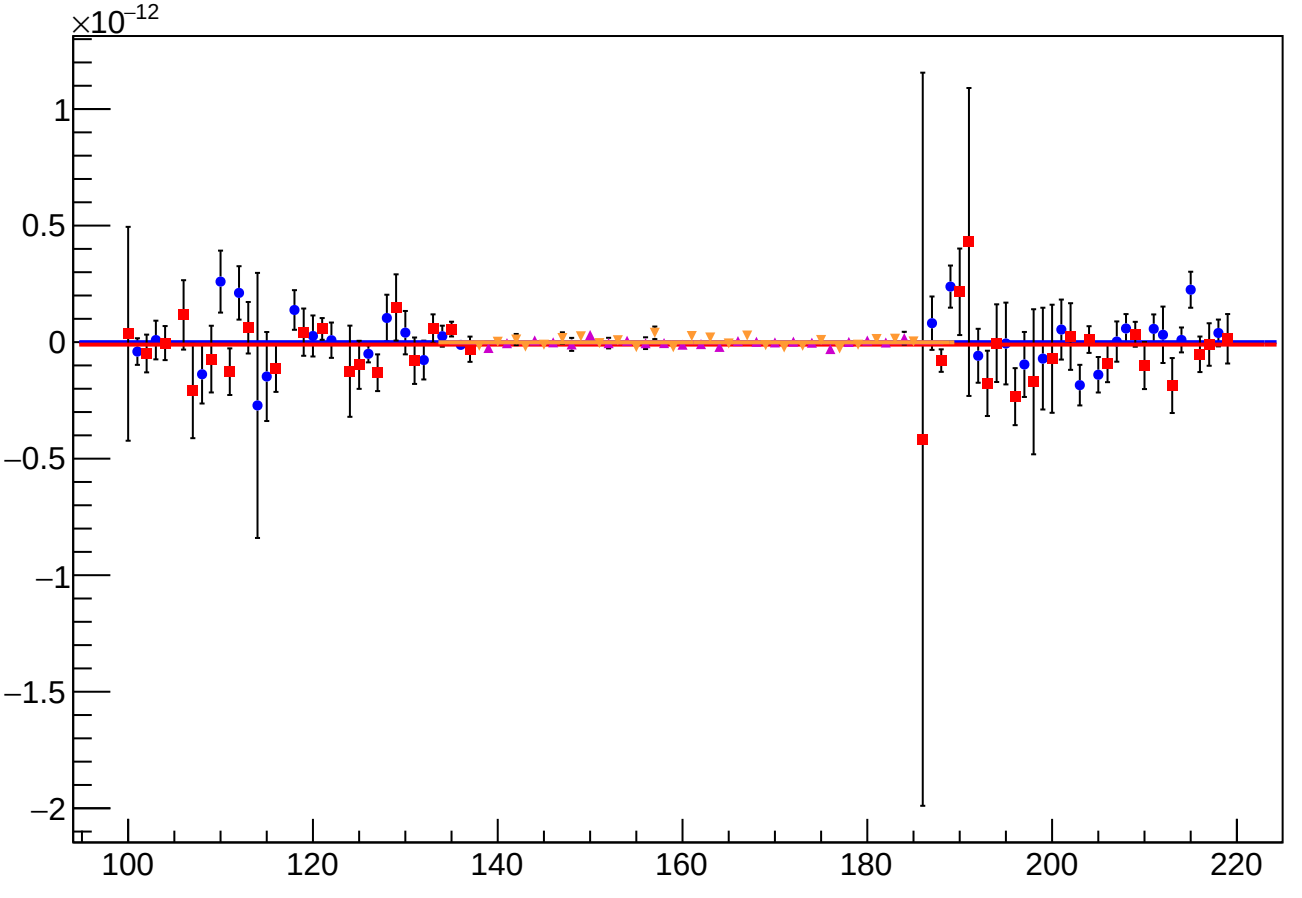
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 779.287+/-0.089 χ^2/NDF: 5758877.1/68

In: 408.854+/-0.052 χ^2/NDF:13474121.5/54

Out: 409.347+/-0.051 χ^2/NDF:16137689.9/61

All: 409.105+/-0.036 χ^2/NDF: 29611857.8/11



Right In: -0.000+/-0.000 χ^2/NDF: 44.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/36

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

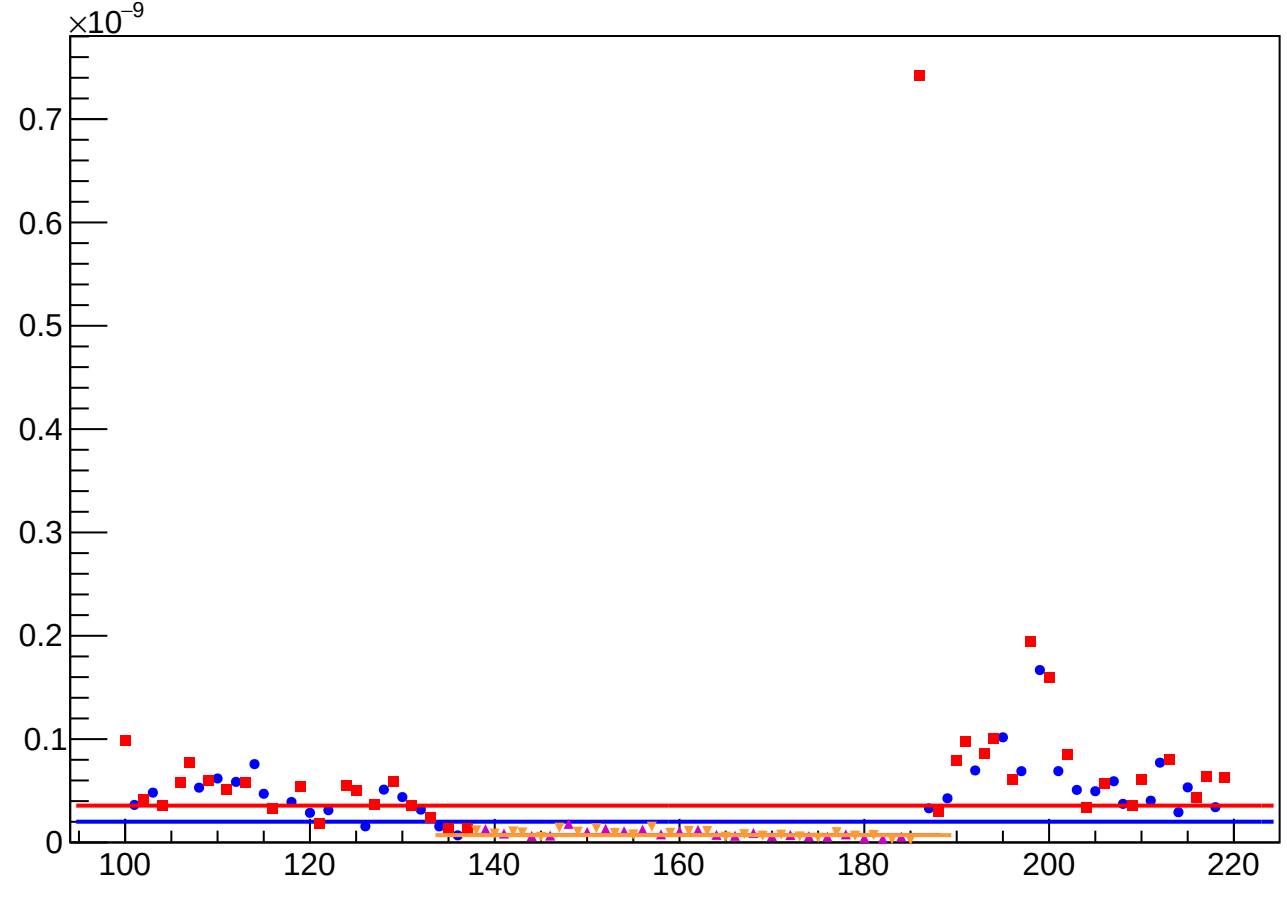
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 77.7/68

In: -0.000+/-0.000 χ^2/NDF:59.6/54

Out: -0.000+/-0.000 χ^2/NDF:66.2/61

All: -0.000+/-0.000 χ^2/NDF: 125.8/116



Right In: 0.000+/-0.000 χ^2/NDF: 8542461.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5623127.9/36

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

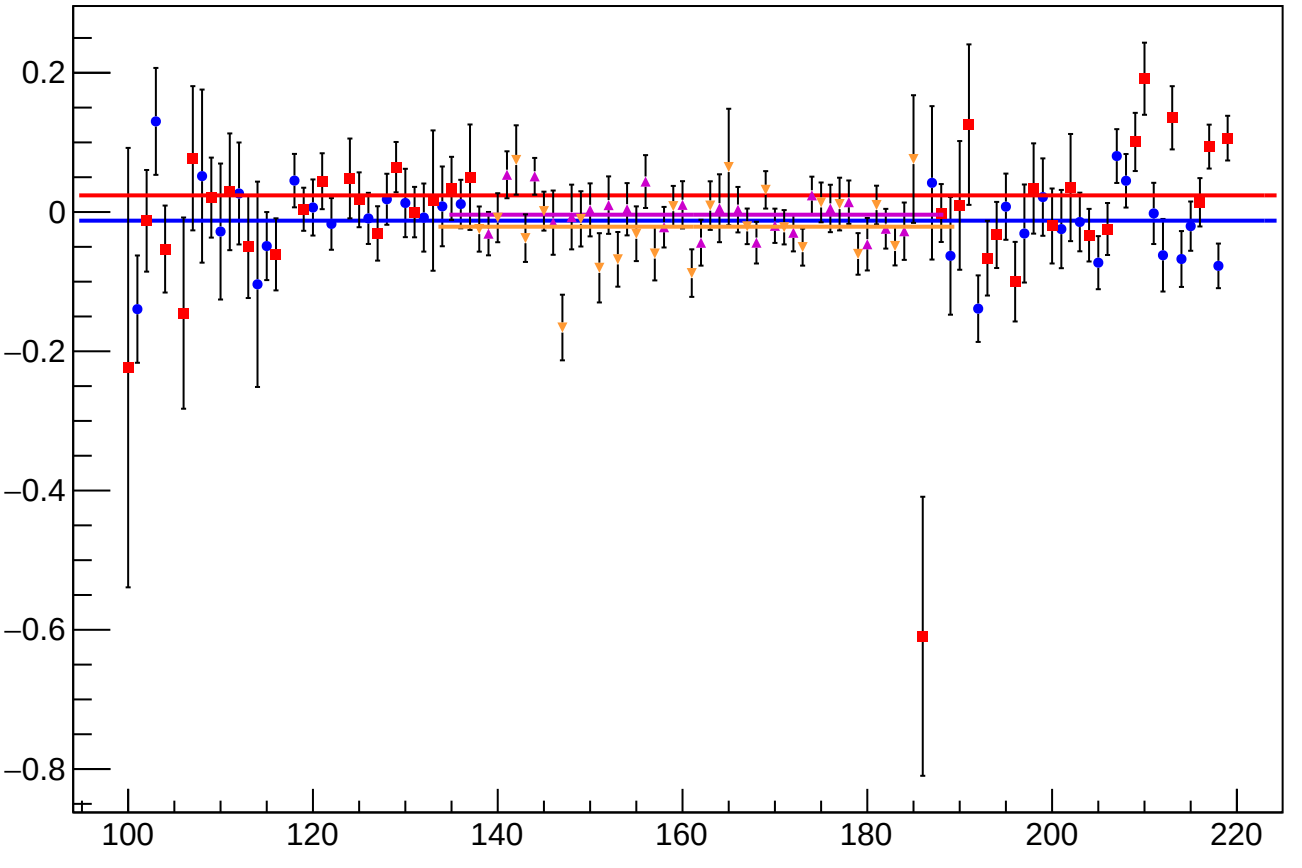
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 15936741.5/68

In: 0.000+/-0.000 χ^2/NDF:13584574.6/54

Out: 0.000+/-0.000 χ^2/NDF:16035931.7/61

All: 0.000+/-0.000 χ^2/NDF: 29622361.6/116



Right In: -0.012+/-0.008 χ^2/NDF: 37.5/31

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.024+/-0.008 χ^2/NDF: 68.8/36

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

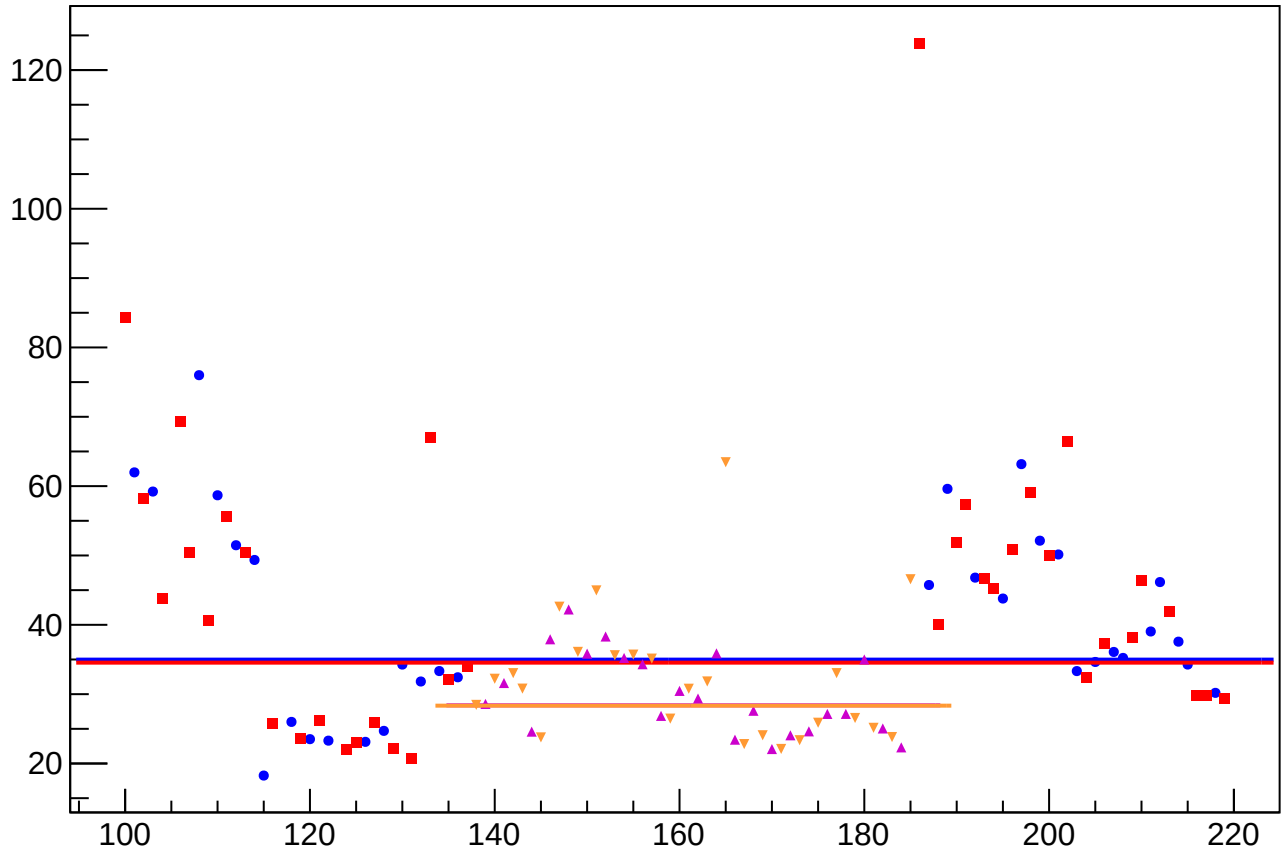
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.006+/-0.006 χ^2/NDF: 116.2/68

In: -0.007+/-0.005 χ^2/NDF:56.8/54

Out: -0.003+/-0.005 χ^2/NDF:124.5/61

All: -0.005+/-0.004 χ^2/NDF: 181.7/116



Right In: 34.981+/-0.006 χ^2/NDF: 3196893.0/31

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 34.546+/-0.006 χ^2/NDF: 4287362.3/36

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

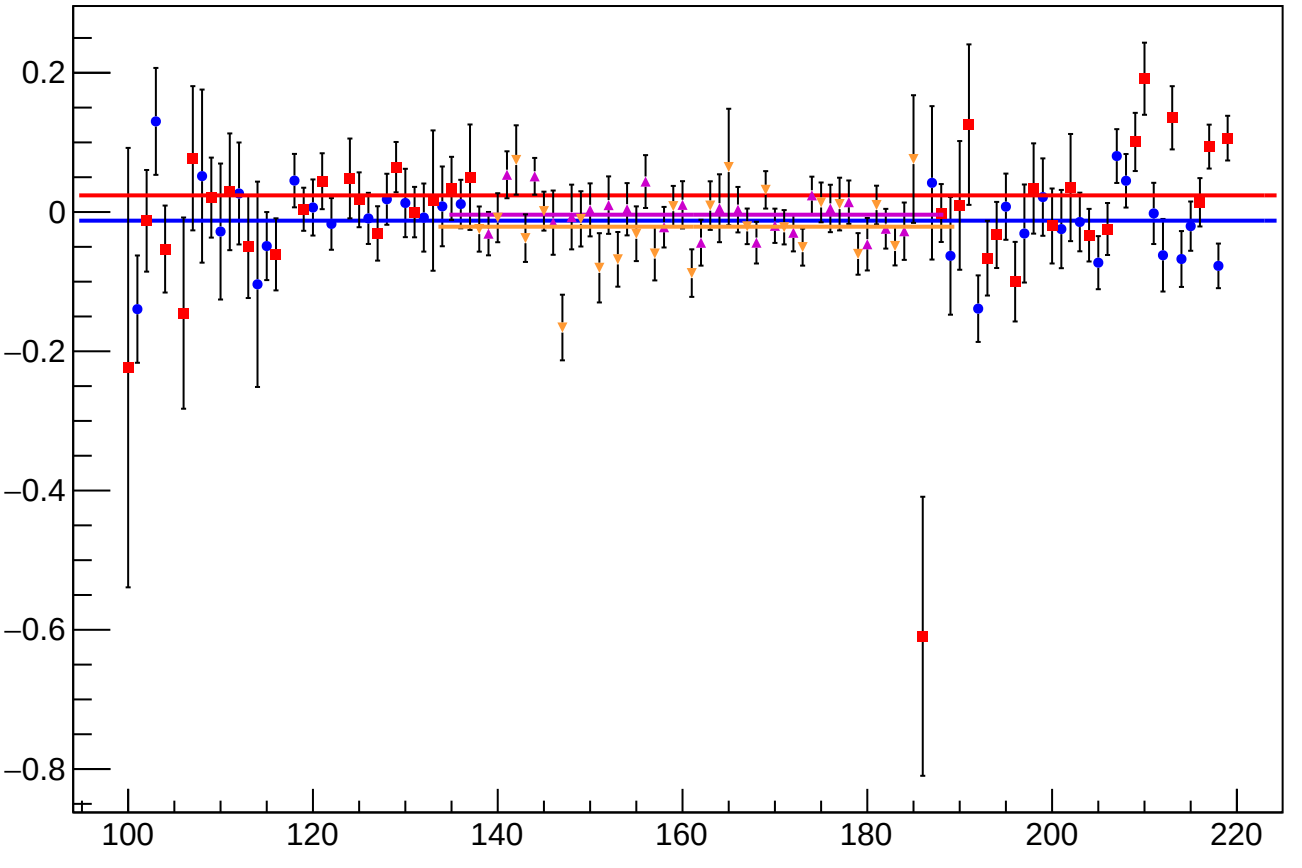
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.756+/-0.004 χ^2/NDF: 7487084.5/68

In: 31.058+/-0.004 χ^2/NDF:5043225.7/54

Out: 30.870+/-0.004 χ^2/NDF:6726078.2/61

All: 30.961+/-0.003 χ^2/NDF: 11770599.6/116



Right In: -0.012+/-0.008 χ^2/NDF: 37.5/31

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.024+/-0.008 χ^2/NDF: 68.8/36

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

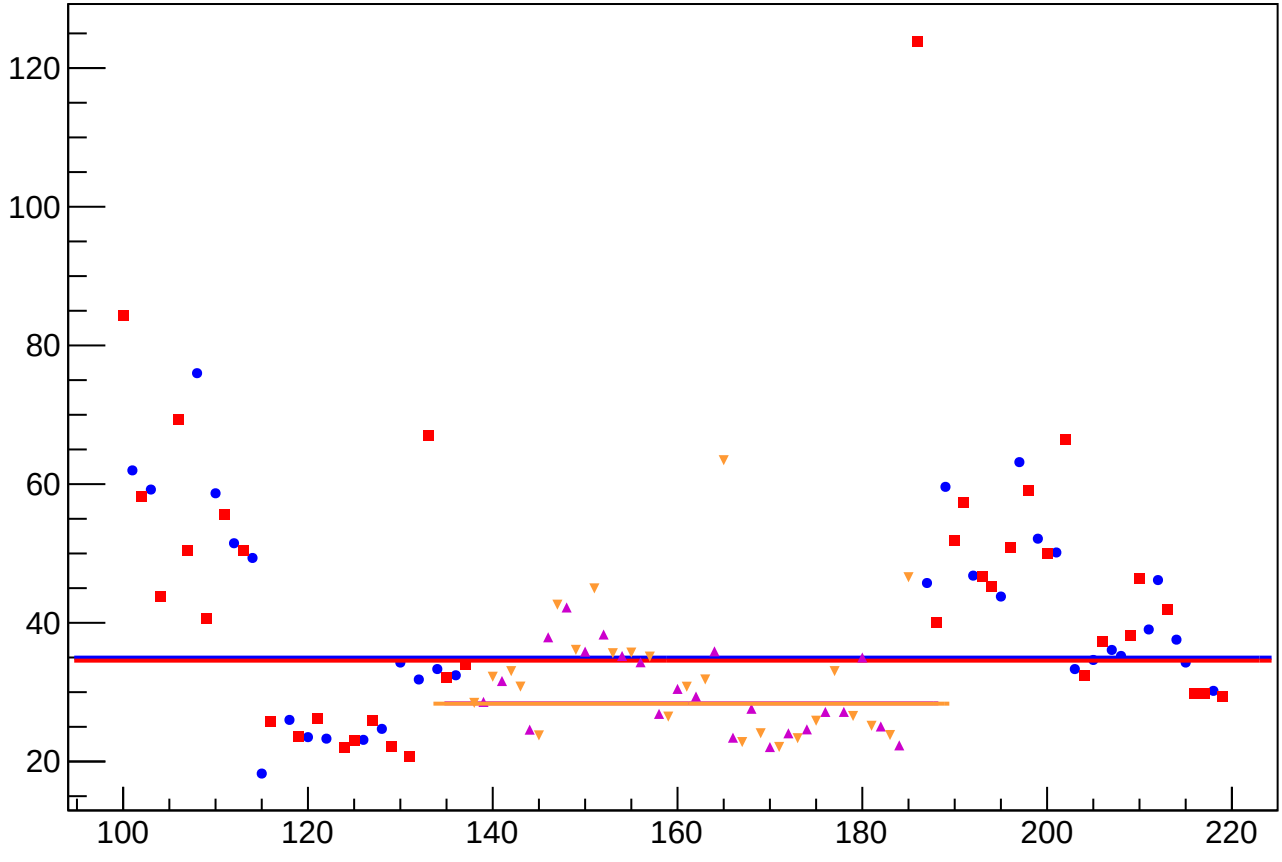
Right: 0.006+/-0.006 χ^2/NDF: 116.2/68

In: -0.007+/-0.005 χ^2/NDF:56.8/54

Out: -0.003+/-0.005 χ^2/NDF:124.5/61

All: -0.005+/-0.004 χ^2/NDF: 181.7/116

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.981+/-0.006 χ^2/NDF: 3196893.0/31

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 34.546+/-0.006 χ^2/NDF: 4287362.3/36

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

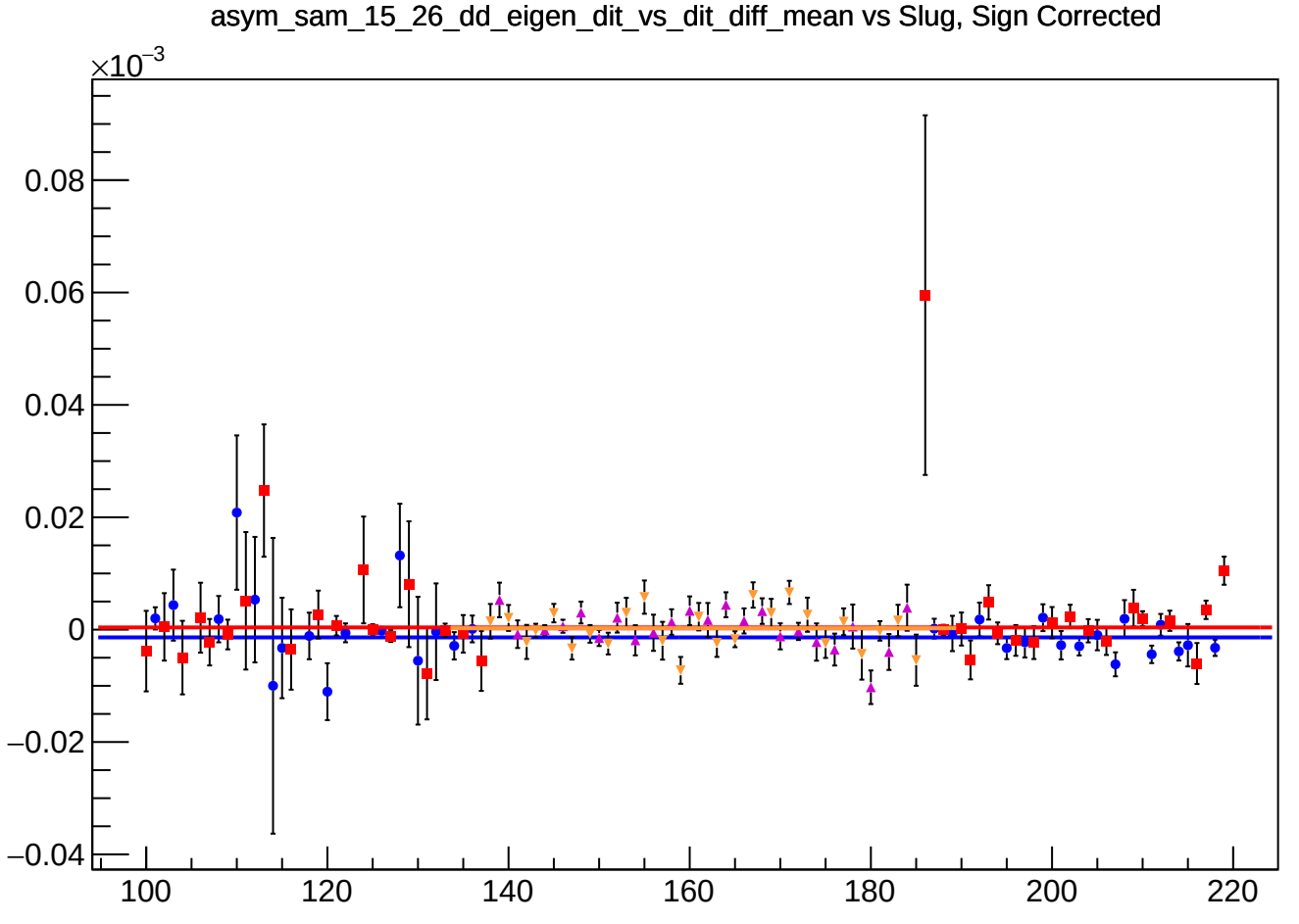
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.756+/-0.004 χ^2/NDF: 7487084.5/68

In: 31.058+/-0.004 χ^2/NDF:5043225.7/54

Out: 30.870+/-0.004 χ^2/NDF:6726078.2/61

All: 30.961+/-0.003 χ^2/NDF: 11770599.6/116



Right In: -0.000+/-0.000 χ^2/NDF: 38.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 51.6/36

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

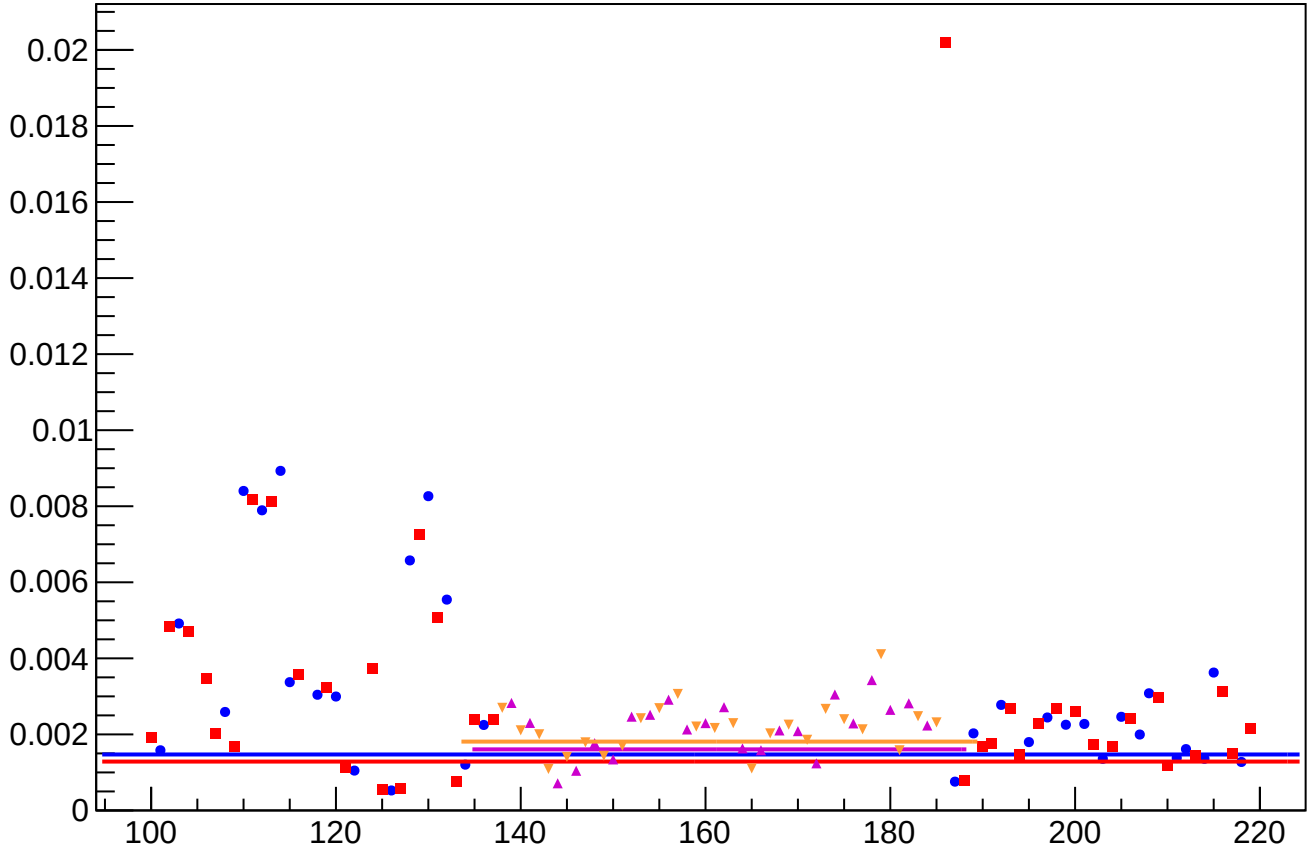
Right: -0.000+/-0.000 χ^2/NDF: 101.4/68

In: -0.000+/-0.000 χ^2/NDF:79.6/54

Out: 0.000+/-0.000 χ^2/NDF:102.5/61

All: -0.000+/-0.000 χ^2/NDF: 187.9/116

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10459692.3/31

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12488221.3/36

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

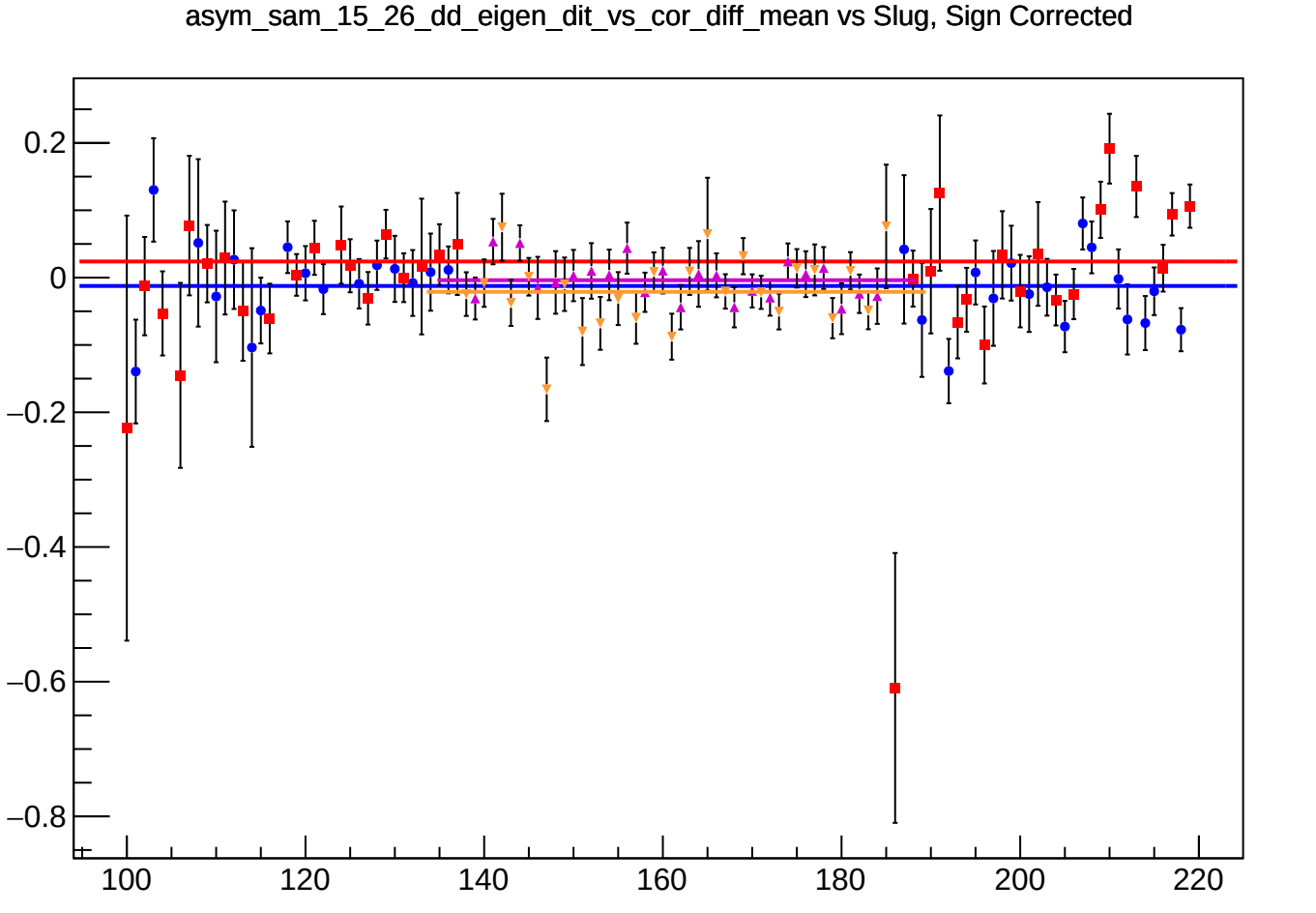
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 23195555.7/68

In: 0.002+/-0.000 χ^2/NDF:16601175.8/54

Out: 0.001+/-0.000 χ^2/NDF:17685978.2/61

All: 0.002+/-0.000 χ^2/NDF: 34309145.3/116



Right In: -0.012+/-0.008 χ^2/NDF: 37.5/31

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.024+/-0.008 χ^2/NDF: 68.8/36

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

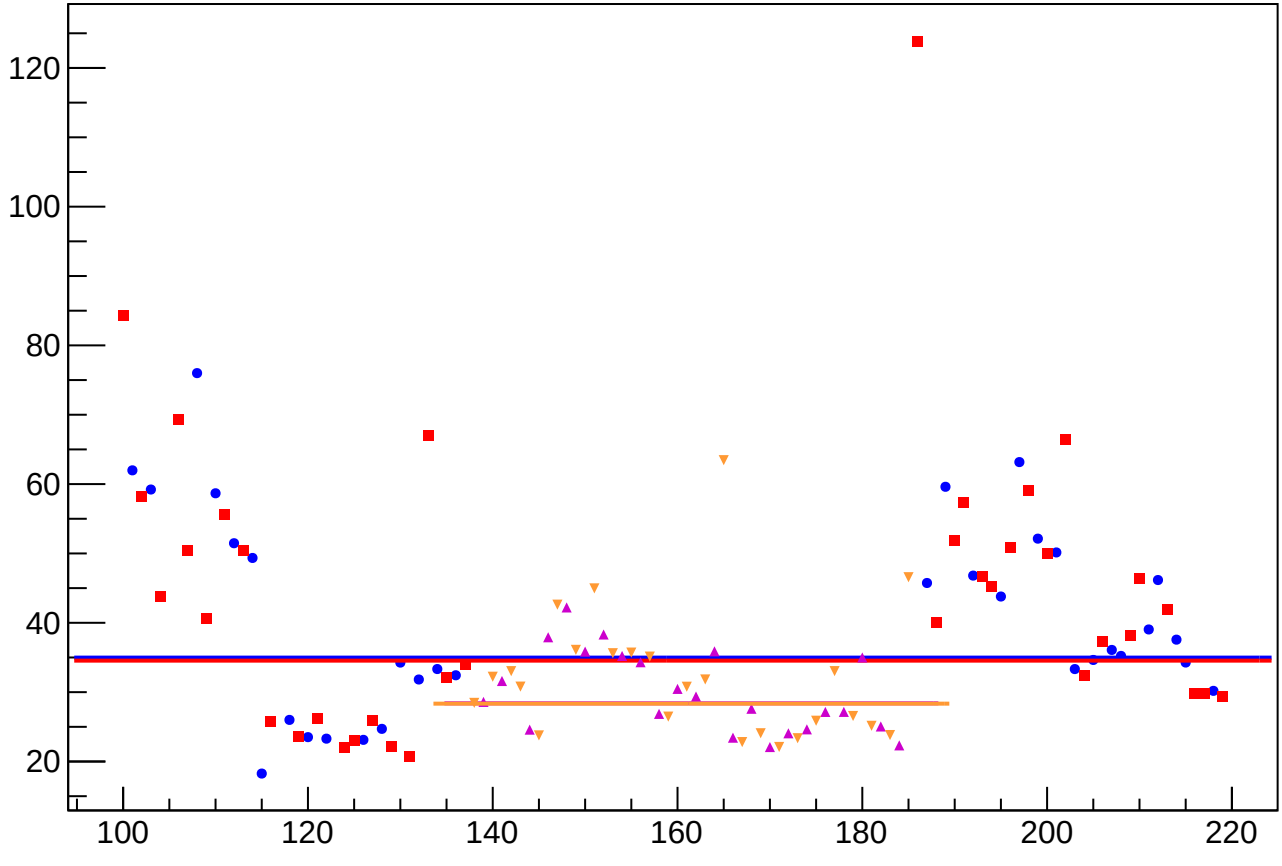
Right: 0.006+/-0.006 χ^2/NDF: 116.2/68

In: -0.007+/-0.005 χ^2/NDF:56.8/54

Out: -0.003+/-0.005 χ^2/NDF:124.5/61

All: -0.005+/-0.004 χ^2/NDF: 181.7/116

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.981+/-0.006 χ^2/NDF: 3196761.7/31

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 34.545+/-0.006 χ^2/NDF: 4287466.0/36

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

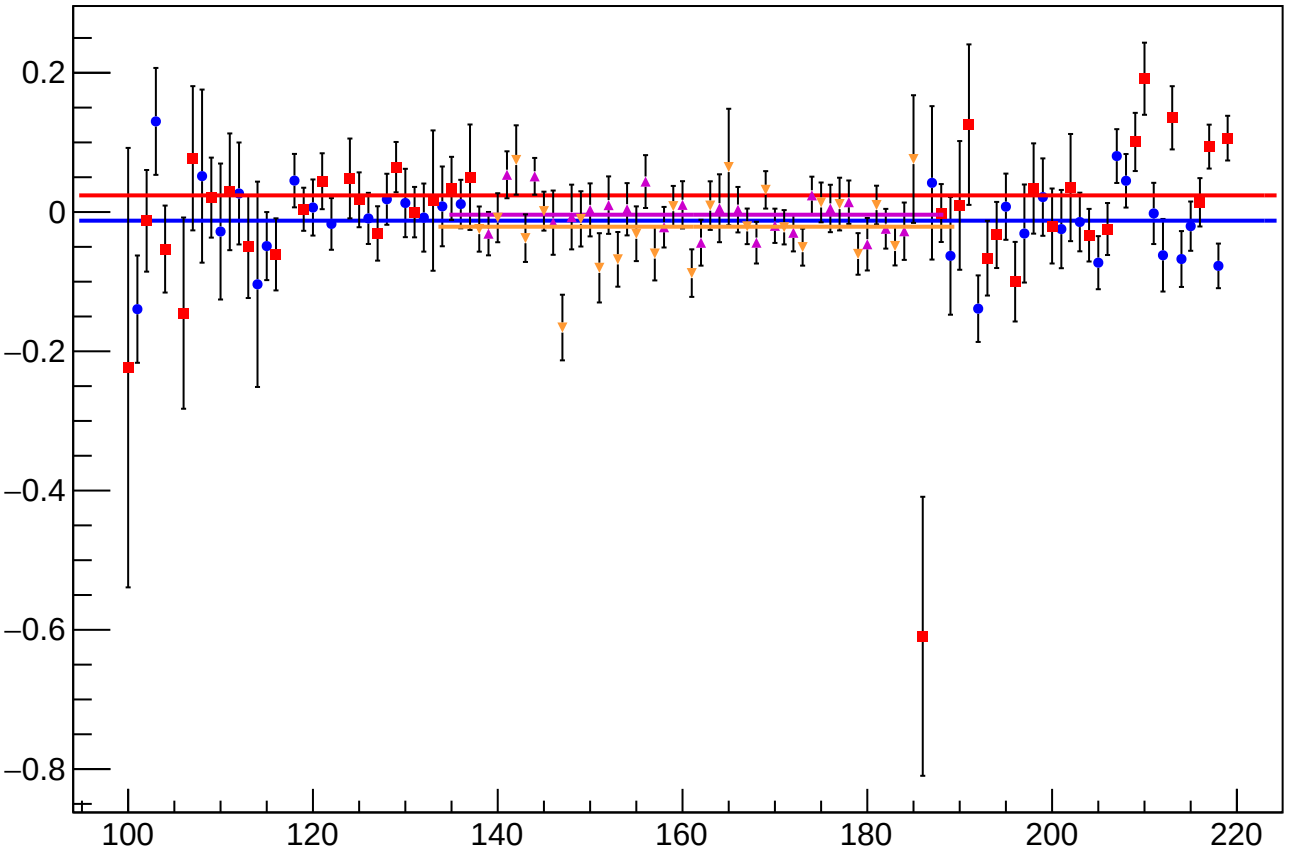
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.756+/-0.004 χ^2/NDF: 7487061.4/68

In: 31.058+/-0.004 χ^2/NDF:5043043.1/54

Out: 30.870+/-0.004 χ^2/NDF:6726092.3/61

All: 30.961+/-0.003 χ^2/NDF: 11770434.7/116



Right In: -0.012+/-0.008 χ^2/NDF: 37.5/31

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.024+/-0.008 χ^2/NDF: 68.8/36

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

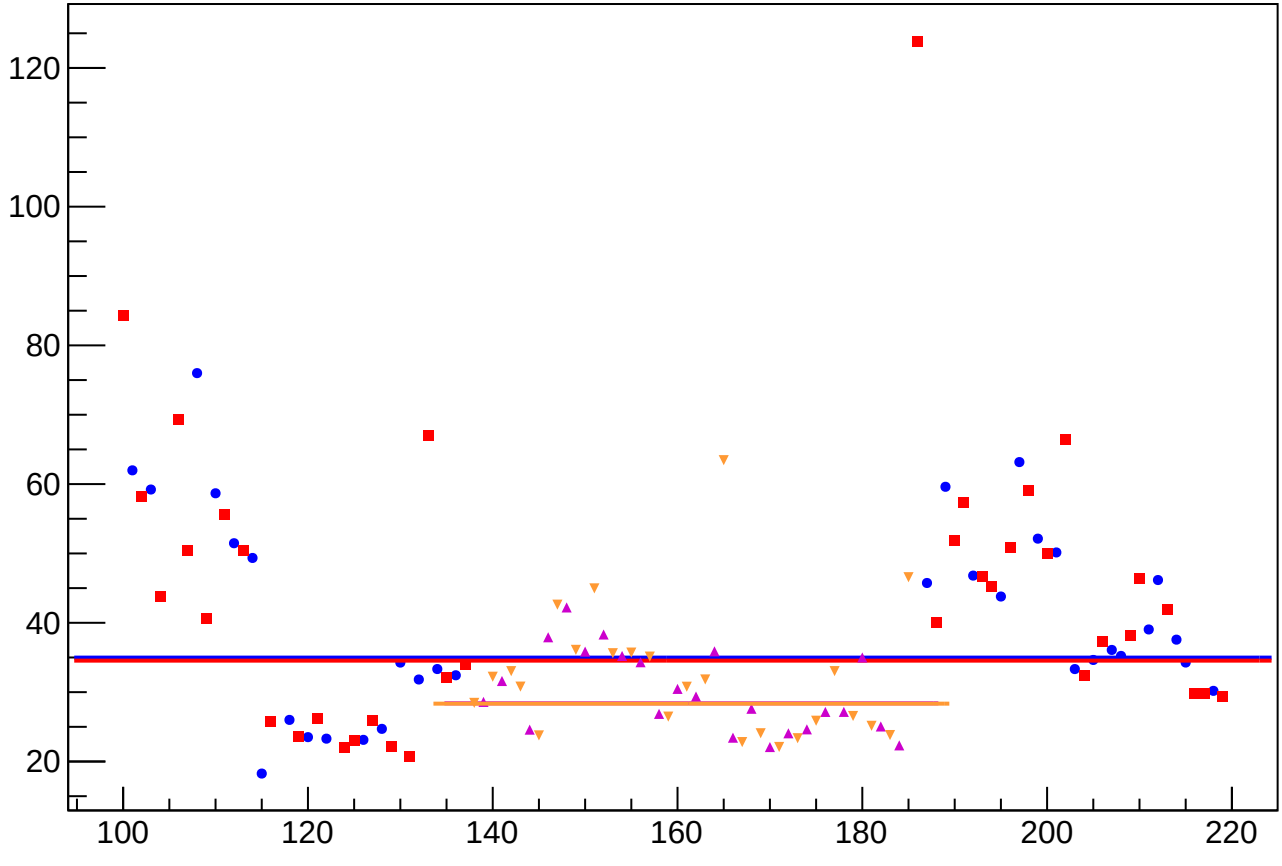
Right: 0.006+/-0.006 χ^2/NDF: 116.2/68

In: -0.007+/-0.005 χ^2/NDF:56.8/54

Out: -0.003+/-0.005 χ^2/NDF:124.5/61

All: -0.005+/-0.004 χ^2/NDF: 181.7/116

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.981+/-0.006 χ^2/NDF: 3196761.7/31

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 34.545+/-0.006 χ^2/NDF: 4287466.0/36

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

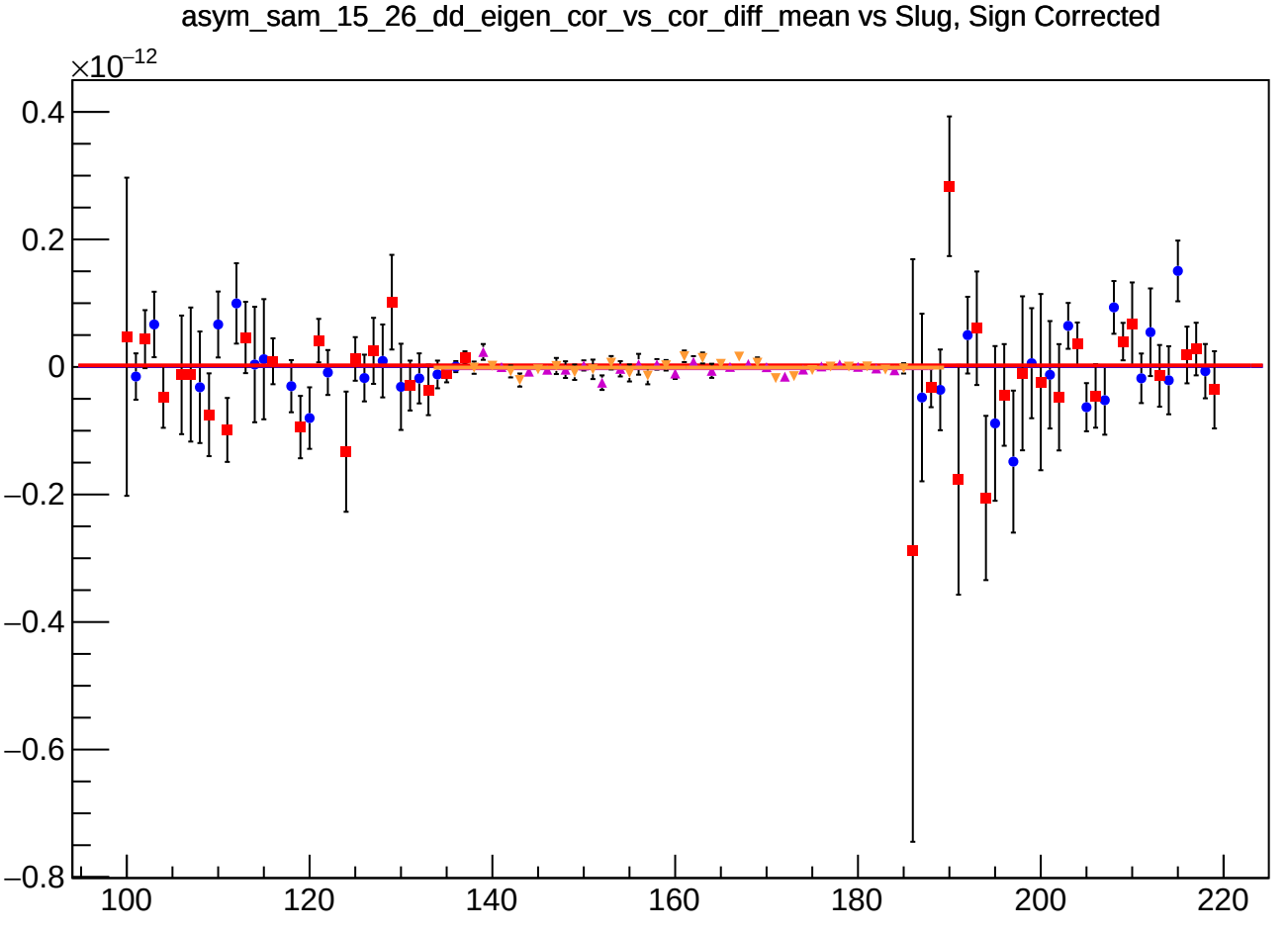
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.756+/-0.004 χ^2/NDF: 7487061.4/68

In: 31.058+/-0.004 χ^2/NDF:5043043.1/54

Out: 30.870+/-0.004 χ^2/NDF:6726092.3/61

All: 30.961+/-0.003 χ^2/NDF: 11770434.7/116



Right In: 0.000+/-0.000 χ^2/NDF: 37.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.0/36

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

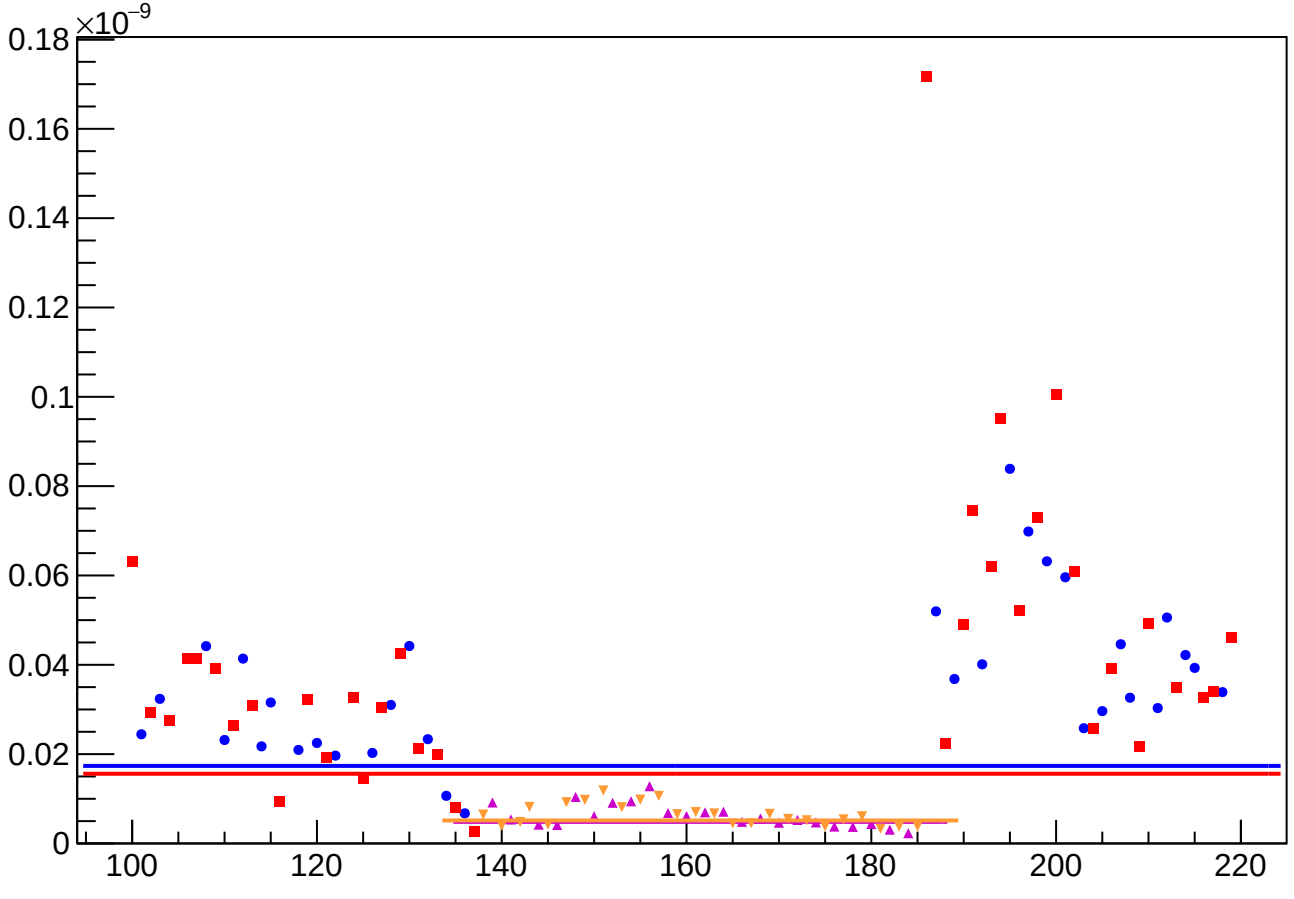
Right: 0.000+/-0.000 χ^2/NDF: 77.0/68

In: -0.000+/-0.000 χ^2/NDF:56.8/54

Out: -0.000+/-0.000 χ^2/NDF:74.4/61

All: -0.000+/-0.000 χ^2/NDF: 131.5/116

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10247359.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12938916.0/36

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

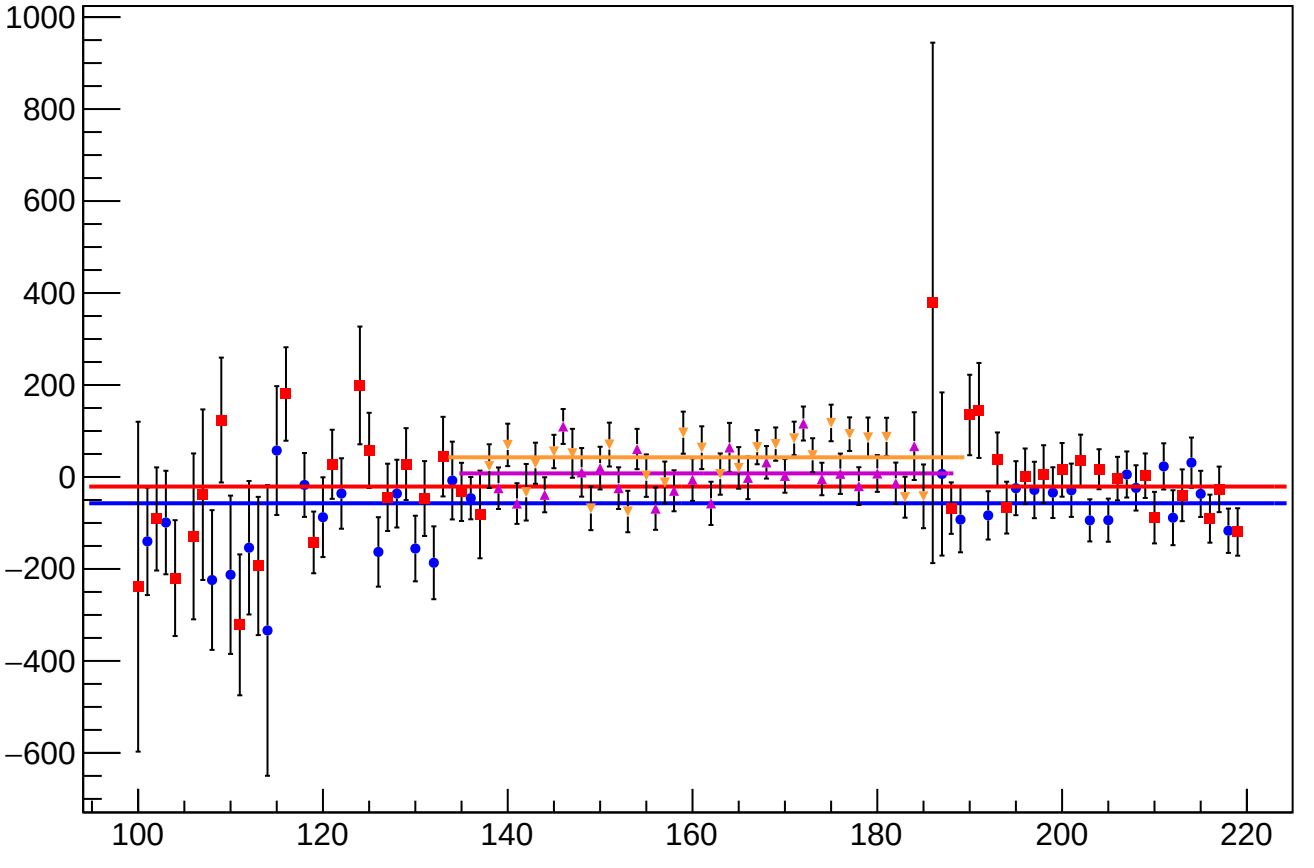
Right: 0.000+/-0.000 χ^2/NDF: 23272900.8/68

In: 0.000+/-0.000 χ^2/NDF:21344956.1/54

Out: 0.000+/-0.000 χ^2/NDF:21900350.4/61

All: 0.000+/-0.000 χ^2/NDF: 43275392.1/116

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -57.183+/-11.522 χ^2/NDF: 24.1/31

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -20.837+/-11.528 χ^2/NDF: 41.5/36

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

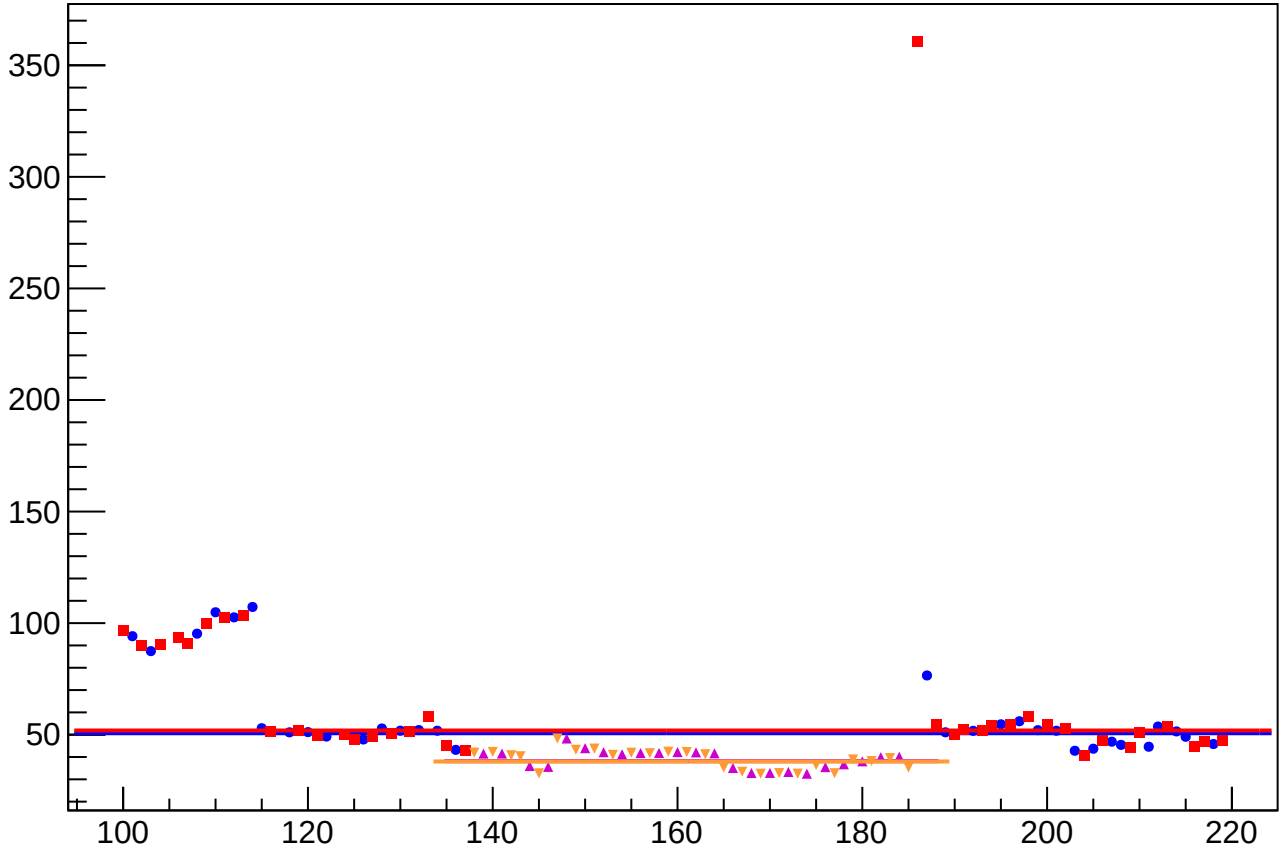
Right: -39.020+/-8.149 χ^2/NDF: 70.6/68

In: -16.748+/-7.080 χ^2/NDF:74.5/54

Out: 19.692+/-6.943 χ^2/NDF:95.6/61

All: 1.827+/-4.957 χ^2/NDF: 183.6/116

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 50.652+/-0.008 χ^2/NDF: 1505792.6/31

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 51.875+/-0.008 χ^2/NDF: 2320025.2/36

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

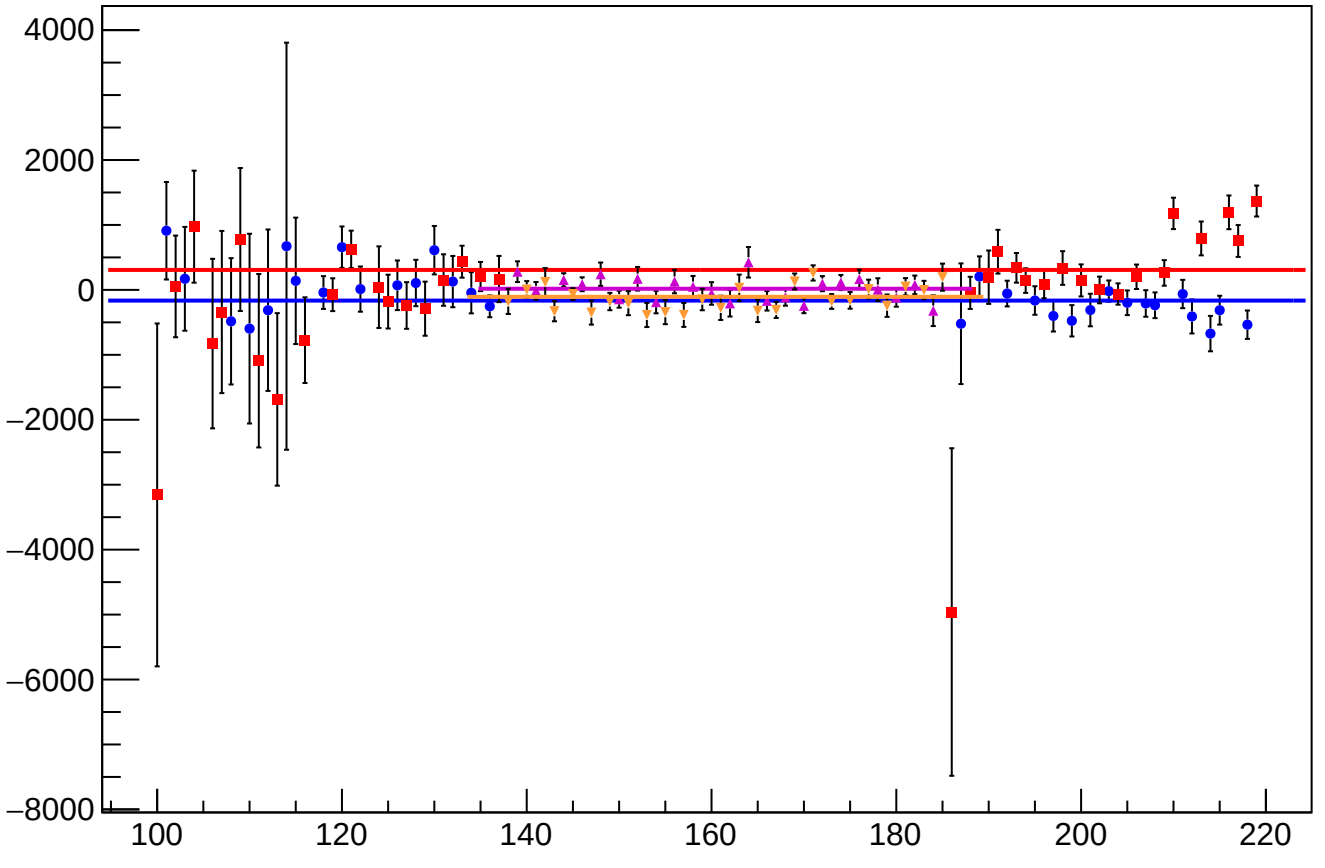
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.263+/-0.006 χ^2/NDF: 3837088.4/68

In: 42.860+/-0.005 χ^2/NDF:3403692.3/54

Out: 43.027+/-0.005 χ^2/NDF:4682637.7/61

All: 42.945+/-0.004 χ^2/NDF: 8086898.4/116



Right In: -164.869+/-48.381 χ^2/NDF: 29.8/31

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 307.447+/-47.942 χ^2/NDF: 88.2/36

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

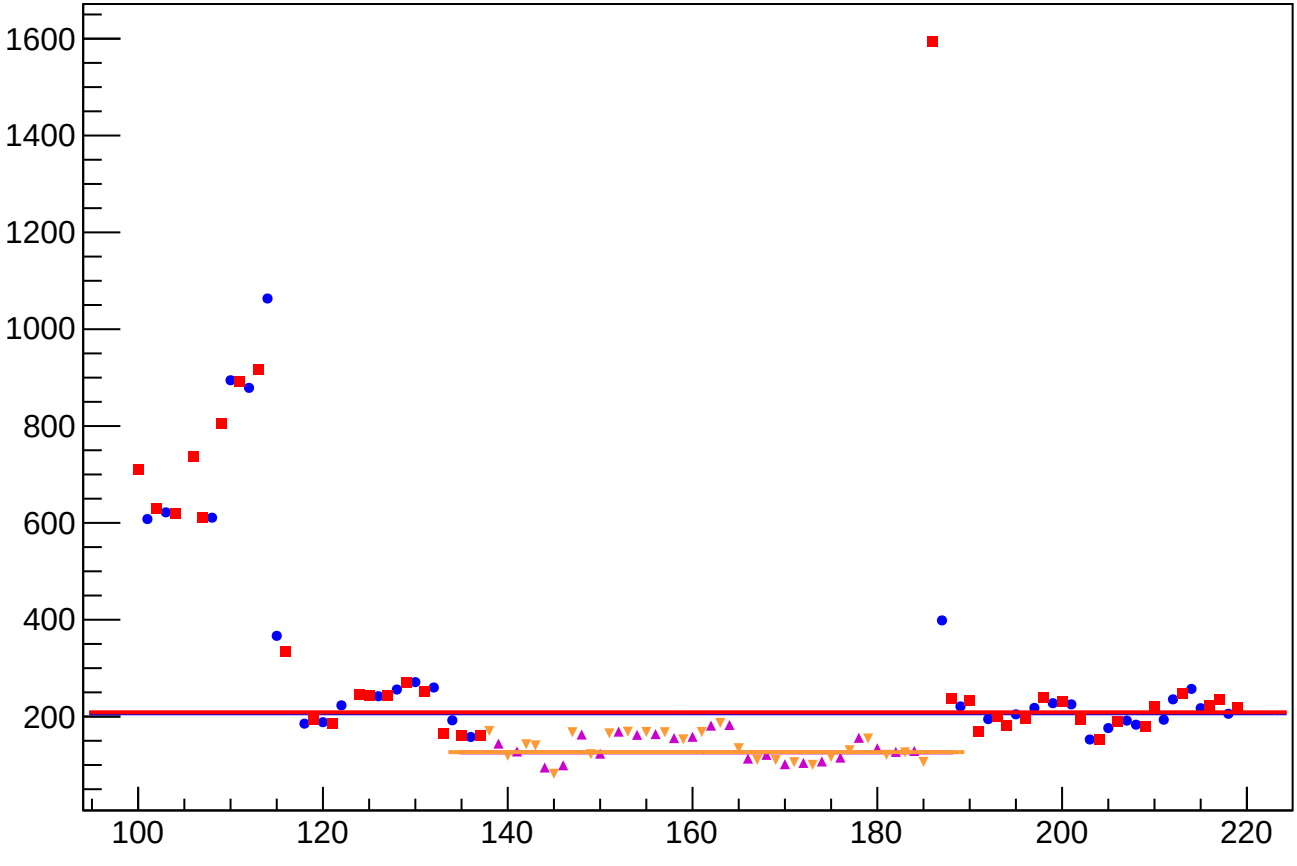
Right: 73.445+/-34.054 χ^2/NDF: 166.0/68

In: -33.586+/-25.610 χ^2/NDF:68.2/54

Out: 7.537+/-25.164 χ^2/NDF:179.9/61

All: -12.663+/-17.949 χ^2/NDF: 249.4/116

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 206.818+/-0.034 χ^2/NDF: 3577939.9/31

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 208.775+/-0.034 χ^2/NDF: 4863141.0/36

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

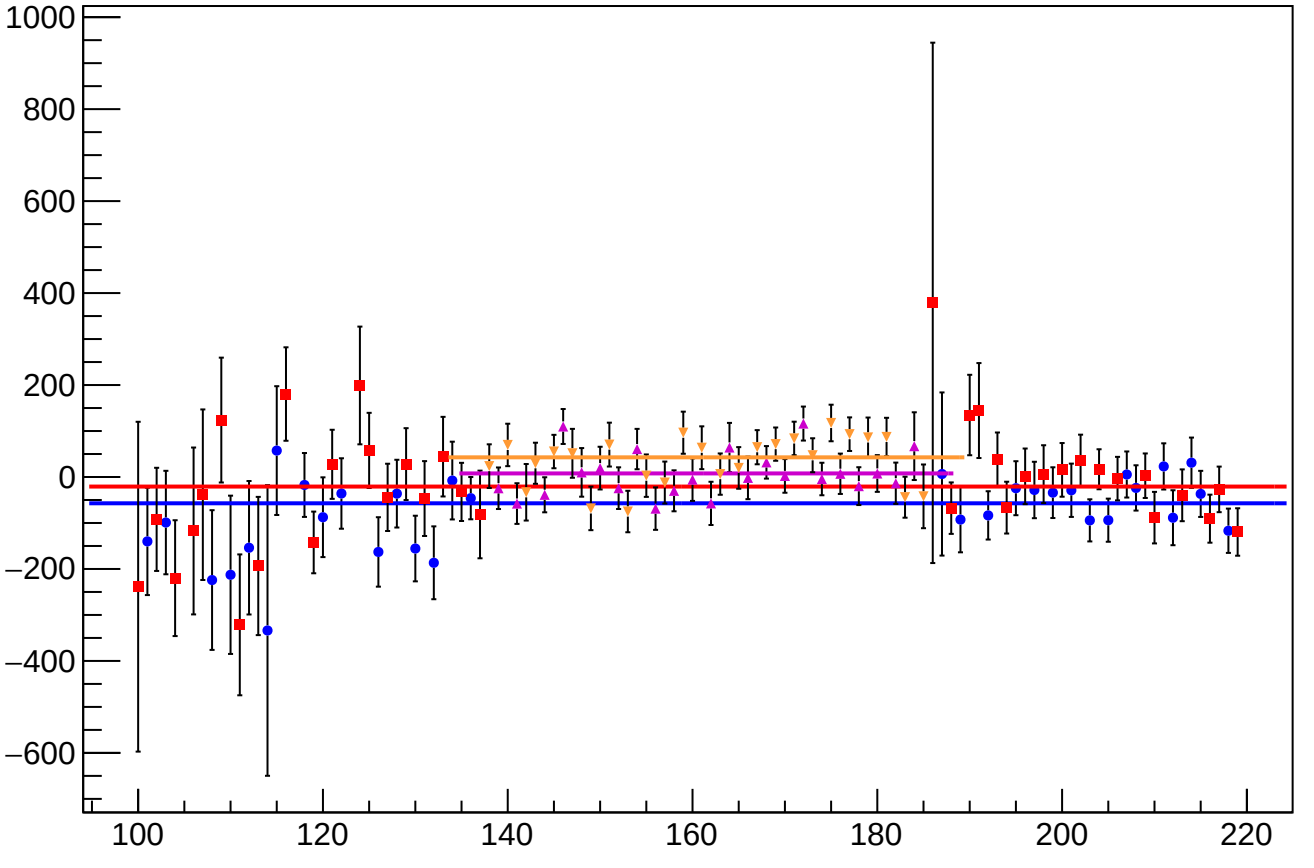
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 207.806+/-0.024 χ^2/NDF: 8442731.1/68

In: 148.654+/-0.018 χ^2/NDF:9004364.0/54

Out: 149.211+/-0.018 χ^2/NDF:10882541.0/61

All: 148.937+/-0.013 χ^2/NDF: 19887385.6/1



Right In: -57.181+/-11.522 χ^2/NDF: 24.1/31

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -20.793+/-11.528 χ^2/NDF: 41.4/36

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

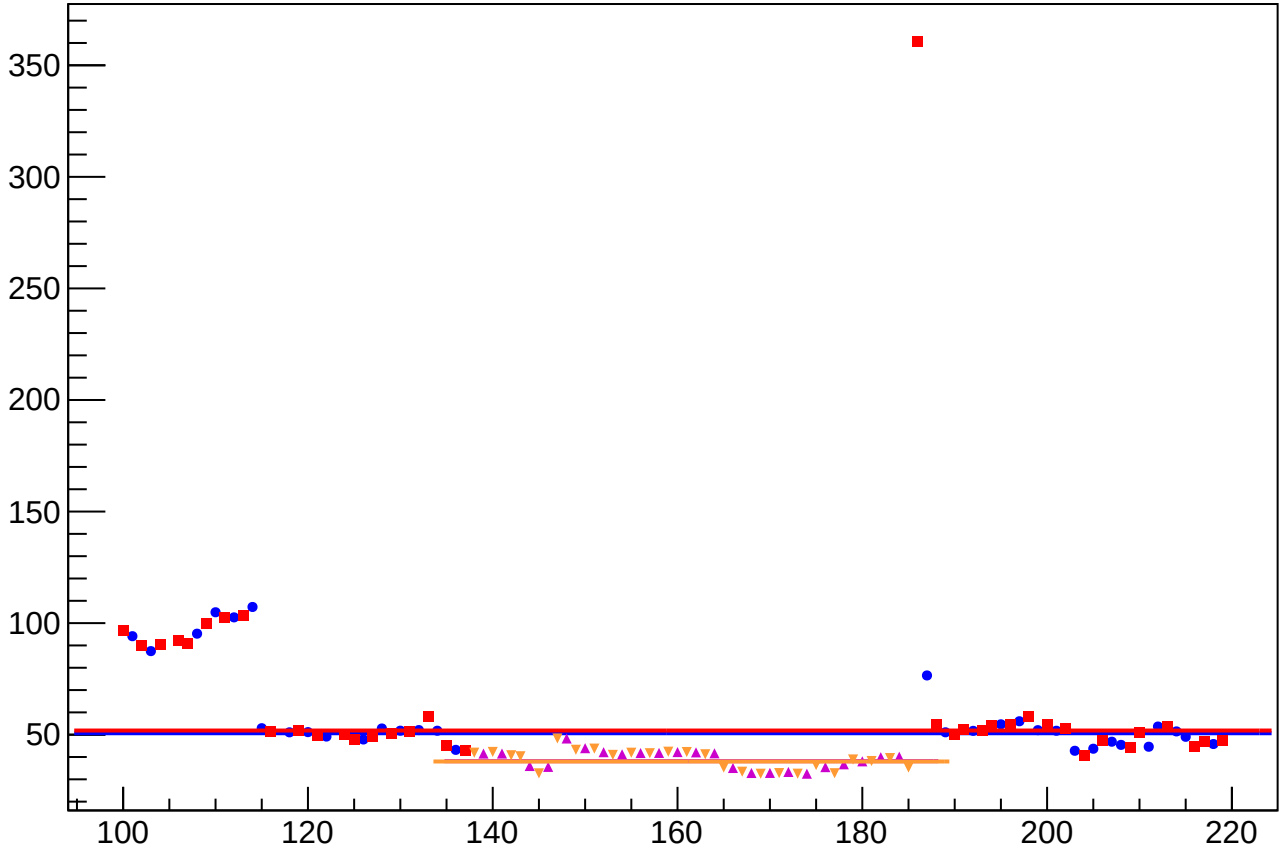
Right: -38.997+/-8.149 χ^2/NDF: 70.5/68

In: -16.746+/-7.080 χ^2/NDF:74.5/54

Out: 19.710+/-6.943 χ^2/NDF:95.5/61

All: 1.837+/-4.957 χ^2/NDF: 183.5/116

cor_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 50.652+/-0.008 χ^2/NDF: 1505792.9/31

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 51.867+/-0.008 χ^2/NDF: 2311258.8/36

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

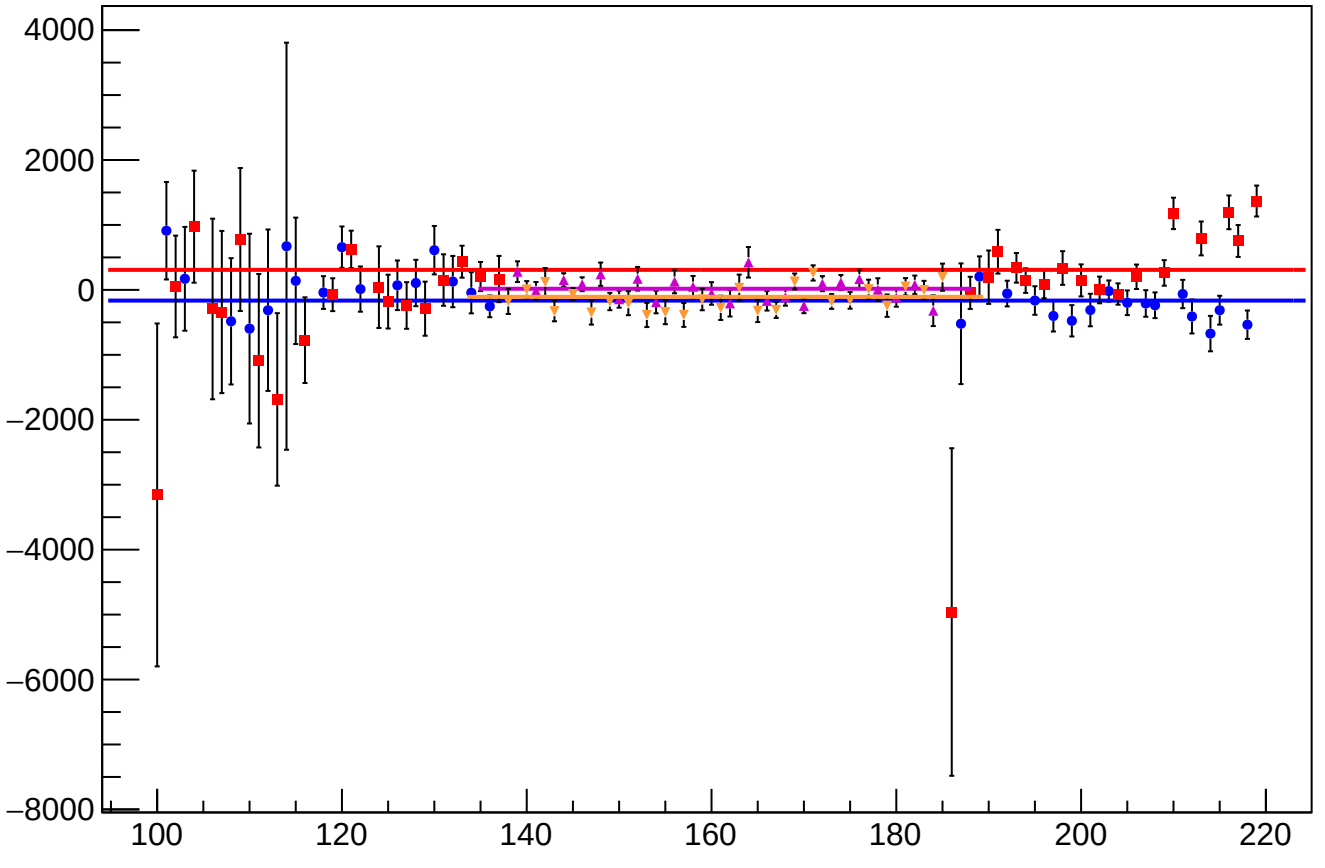
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.259+/-0.006 χ^2/NDF: 3828171.8/68

In: 42.860+/-0.005 χ^2/NDF:3403692.5/54

Out: 43.024+/-0.005 χ^2/NDF:4671632.7/61

All: 42.944+/-0.004 χ^2/NDF: 8075872.4/116



Right In: -164.867+/-48.381 χ^2/NDF: 29.8/31

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 308.255+/-47.945 χ^2/NDF: 87.6/36

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

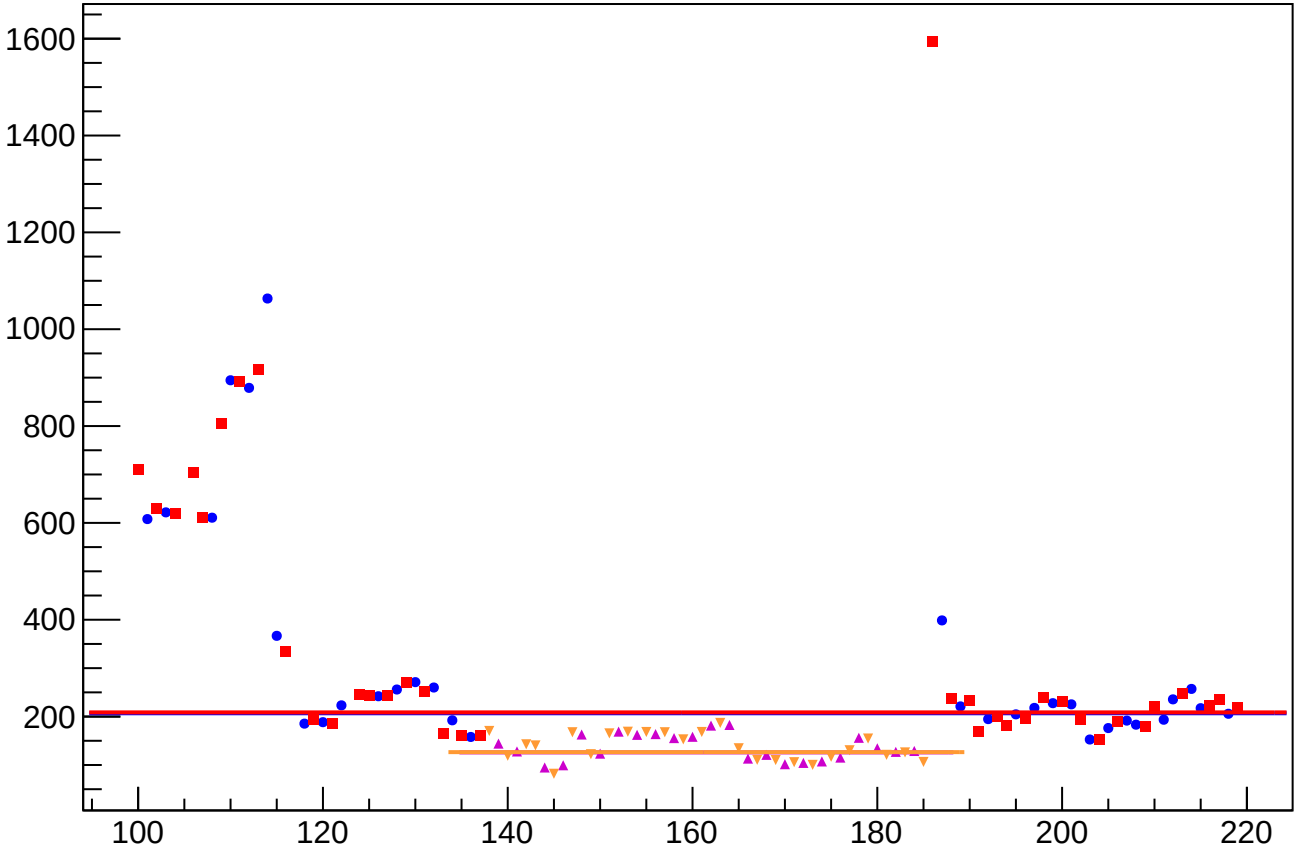
Right: 73.834+/-34.056 χ^2/NDF: 165.6/68

In: -33.585+/-25.610 χ^2/NDF:68.2/54

Out: 7.747+/-25.164 χ^2/NDF:179.5/61

All: -12.556+/-17.949 χ^2/NDF: 249.0/116

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 206.818+/-0.034 χ^2/NDF: 3577948.7/31

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 208.652+/-0.034 χ^2/NDF: 4790545.4/36

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

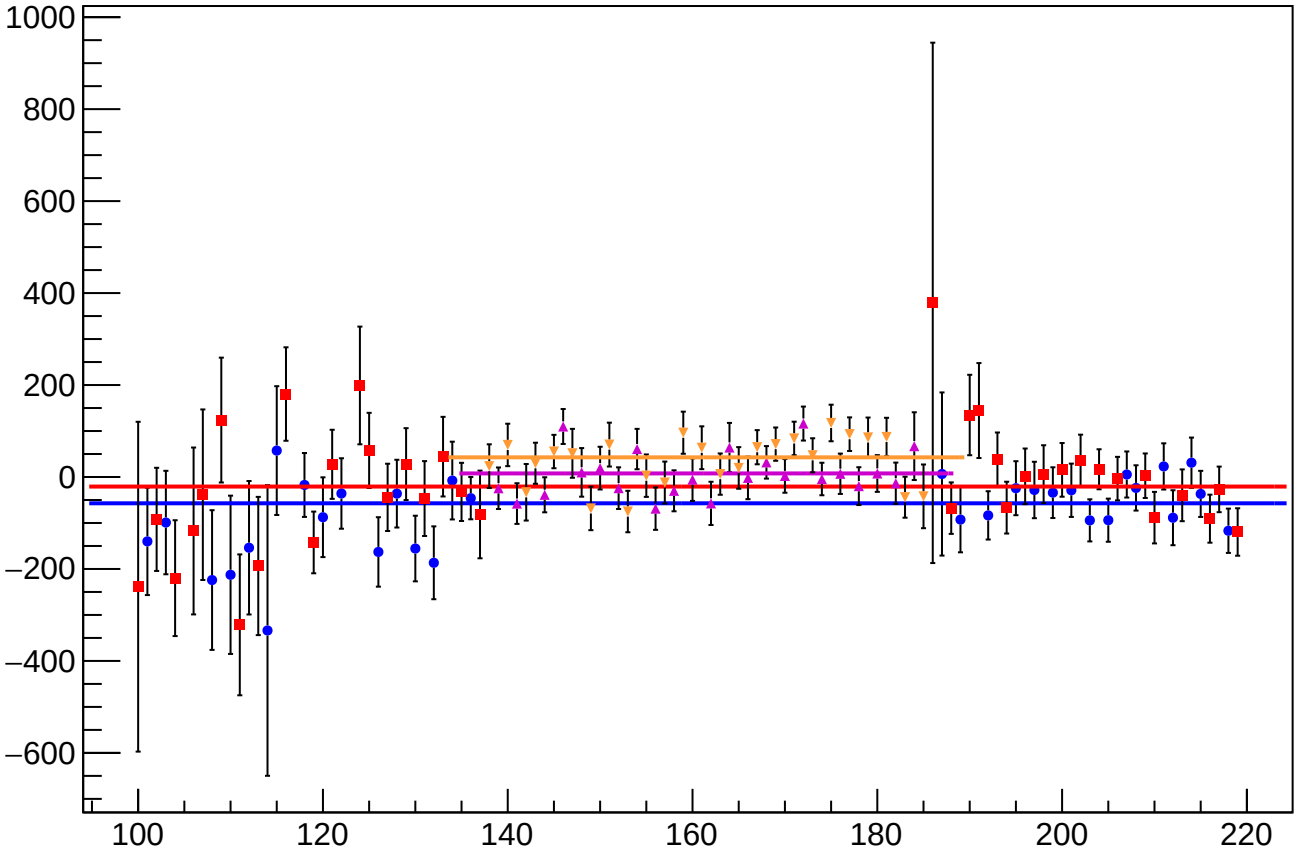
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 207.743+/-0.024 χ^2/NDF: 8369942.9/68

In: 148.654+/-0.018 χ^2/NDF:9004388.4/54

Out: 149.174+/-0.018 χ^2/NDF:10796676.7/61

All: 148.919+/-0.013 χ^2/NDF: 19801484.5/11



Right In: -57.181+/-11.522 χ^2/NDF: 24.1/31

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -20.793+/-11.528 χ^2/NDF: 41.4/36

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

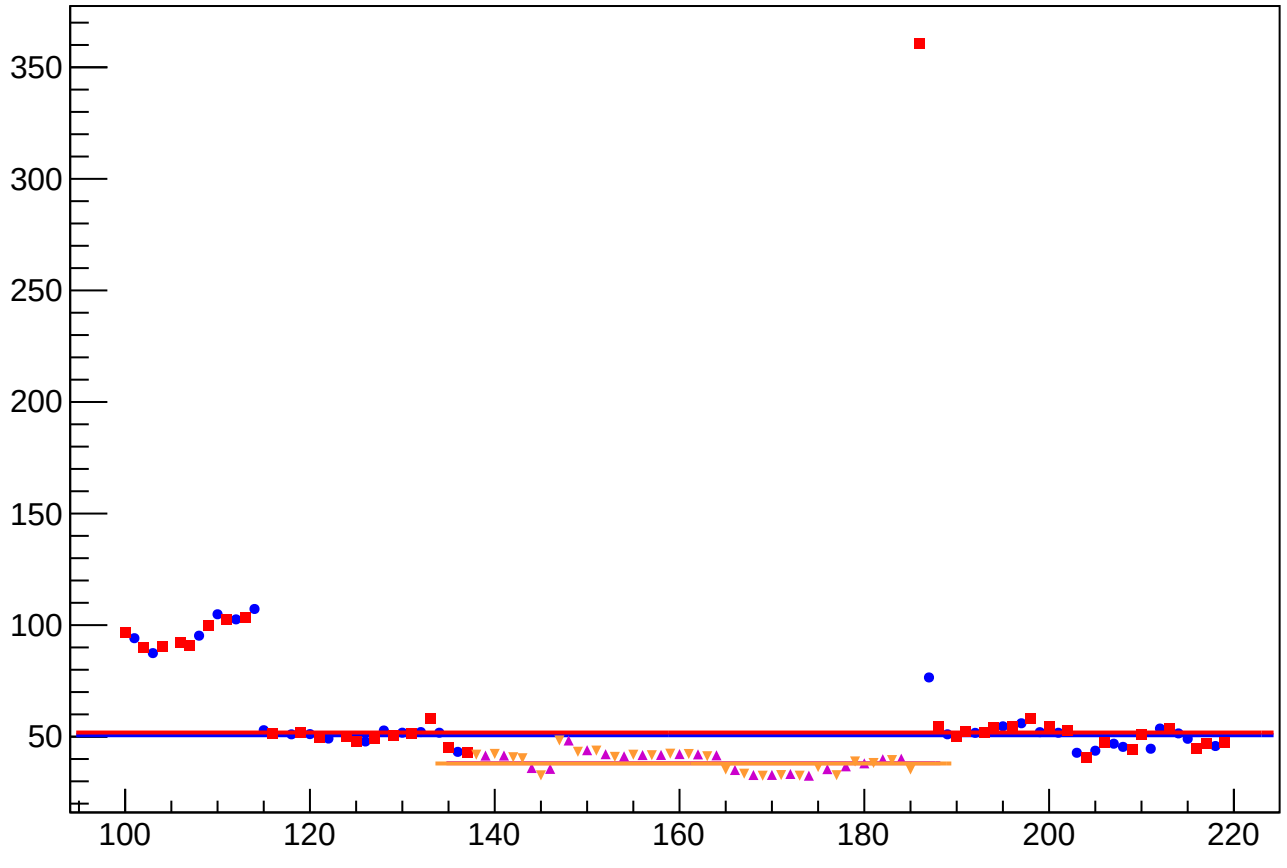
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -38.997+/-8.149 χ^2/NDF: 70.5/68

In: -16.746+/-7.080 χ^2/NDF:74.5/54

Out: 19.710+/-6.943 χ^2/NDF:95.5/61

All: 1.837+/-4.957 χ^2/NDF: 183.5/116



Right In: 50.652+/-0.008 χ^2/NDF: 1505792.9/31

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 51.867+/-0.008 χ^2/NDF: 2311258.8/36

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

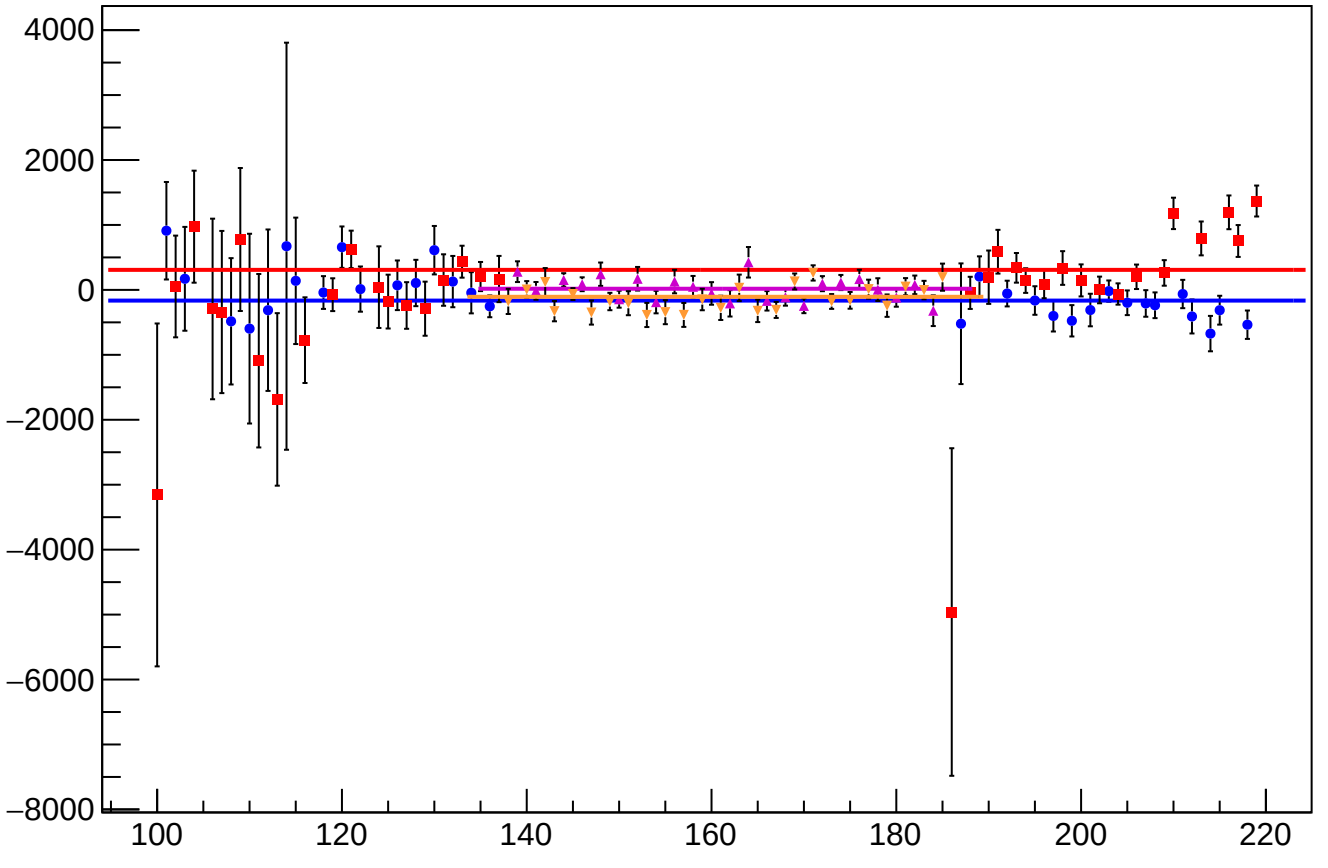
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.259+/-0.006 χ^2/NDF: 3828171.8/68

In: 42.860+/-0.005 χ^2/NDF:3403692.5/54

Out: 43.024+/-0.005 χ^2/NDF:4671632.7/61

All: 42.944+/-0.004 χ^2/NDF: 8075872.4/116



Right In: -164.867+/-48.381 χ^2/NDF: 29.8/31

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 308.255+/-47.945 χ^2/NDF: 87.6/36

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

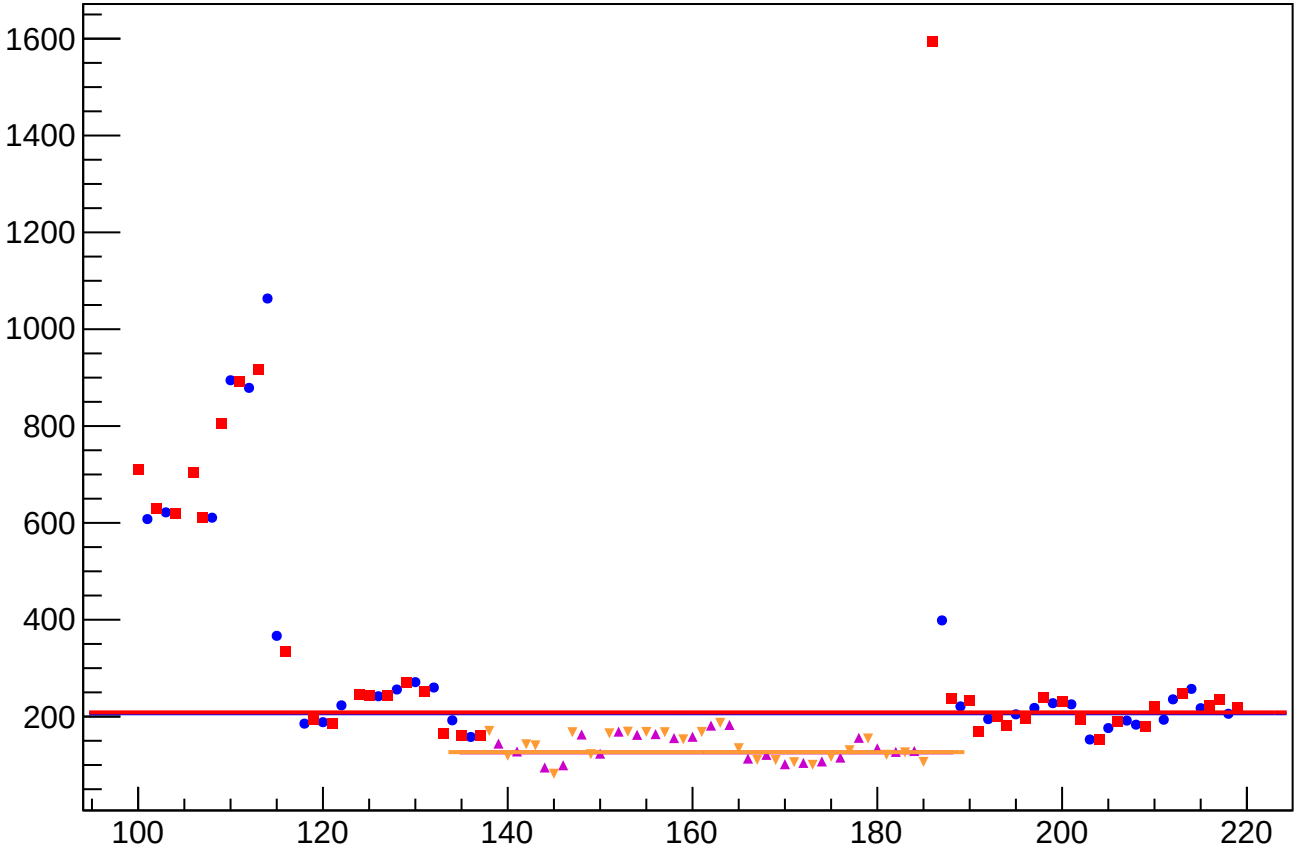
Right: 73.834+/-34.056 χ^2/NDF: 165.6/68

In: -33.585+/-25.610 χ^2/NDF:68.2/54

Out: 7.747+/-25.164 χ^2/NDF:179.5/61

All: -12.556+/-17.949 χ^2/NDF: 249.0/116

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 206.818+/-0.034 χ^2/NDF: 3577948.7/31

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 208.652+/-0.034 χ^2/NDF: 4790545.4/36

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

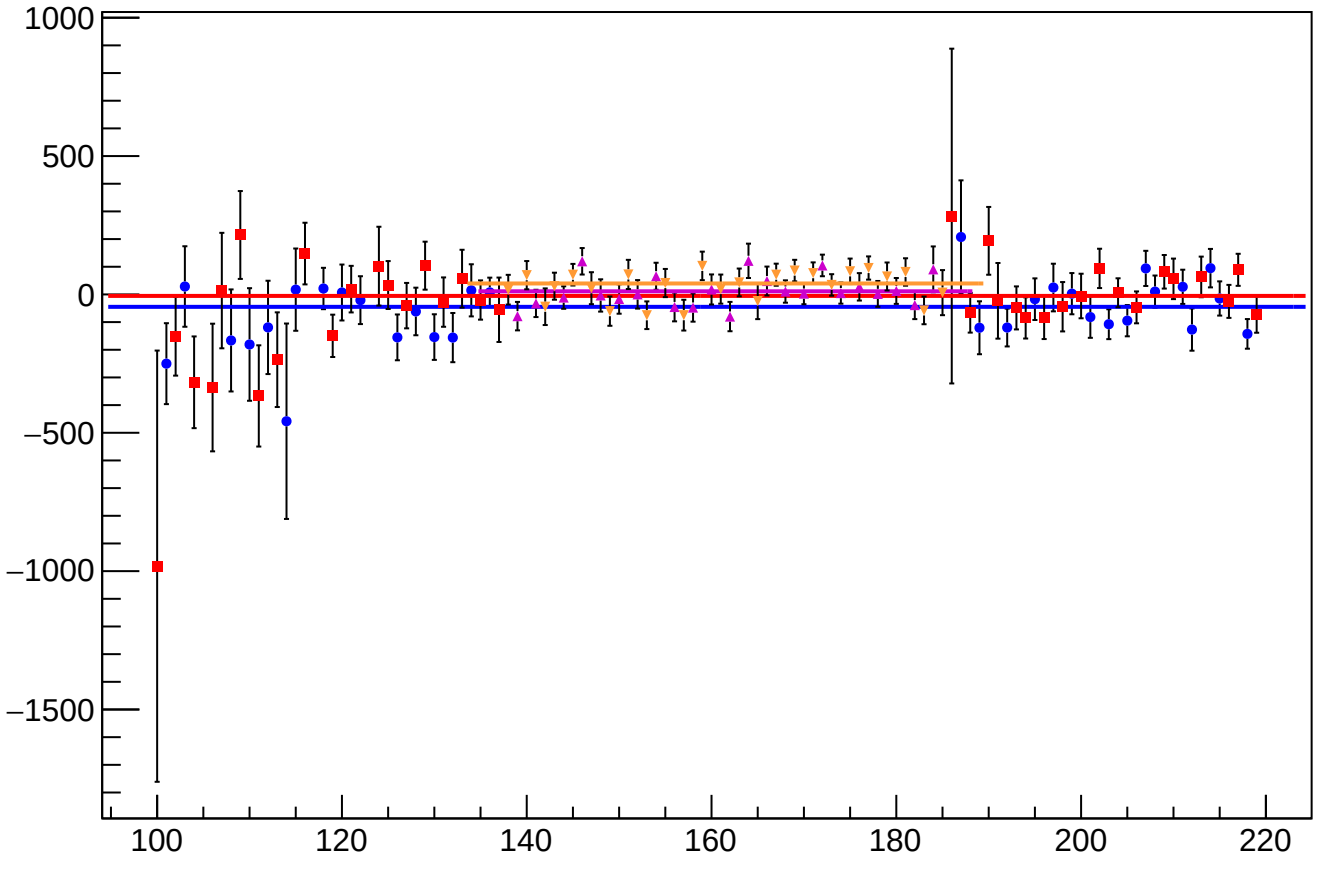
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 207.743+/-0.024 χ^2/NDF: 8369942.9/68

In: 148.654+/-0.018 χ^2/NDF:9004388.4/54

Out: 149.174+/-0.018 χ^2/NDF:10796676.7/61

All: 148.919+/-0.013 χ^2/NDF: 19801484.5/11



Right In: -44.874+/-13.954 χ^2/NDF: 35.2/31

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -5.369+/-14.138 χ^2/NDF: 40.8/36

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

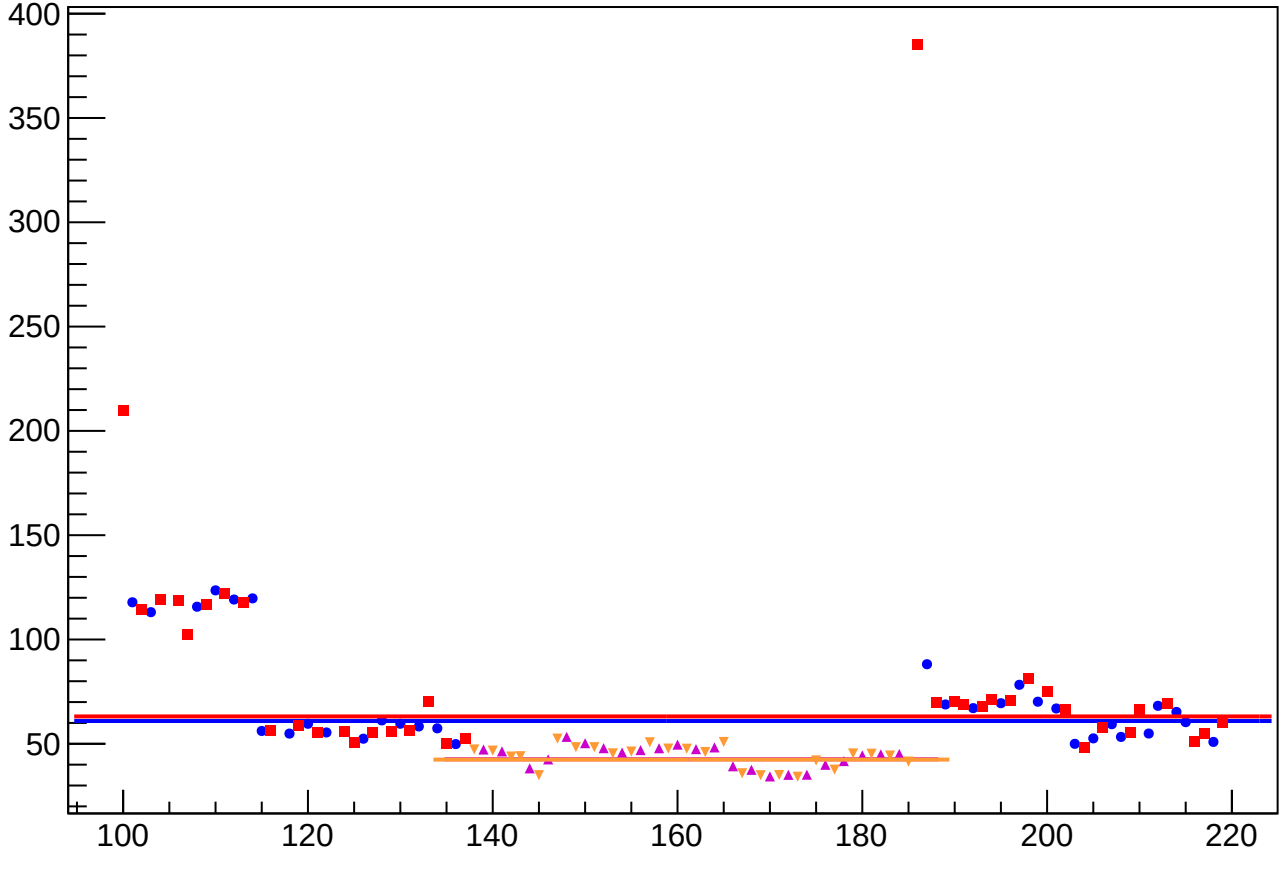
Right: -25.380+/-9.931 χ^2/NDF: 80.0/68

In: -7.950+/-8.170 χ^2/NDF:73.8/54

Out: 25.091+/-8.024 χ^2/NDF:77.2/61

All: 8.868+/-5.724 χ^2/NDF: 159.4/116

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 60.916+/-0.010 χ^2/NDF: 1848816.3/31

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 63.115+/-0.010 χ^2/NDF: 2726101.8/36

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

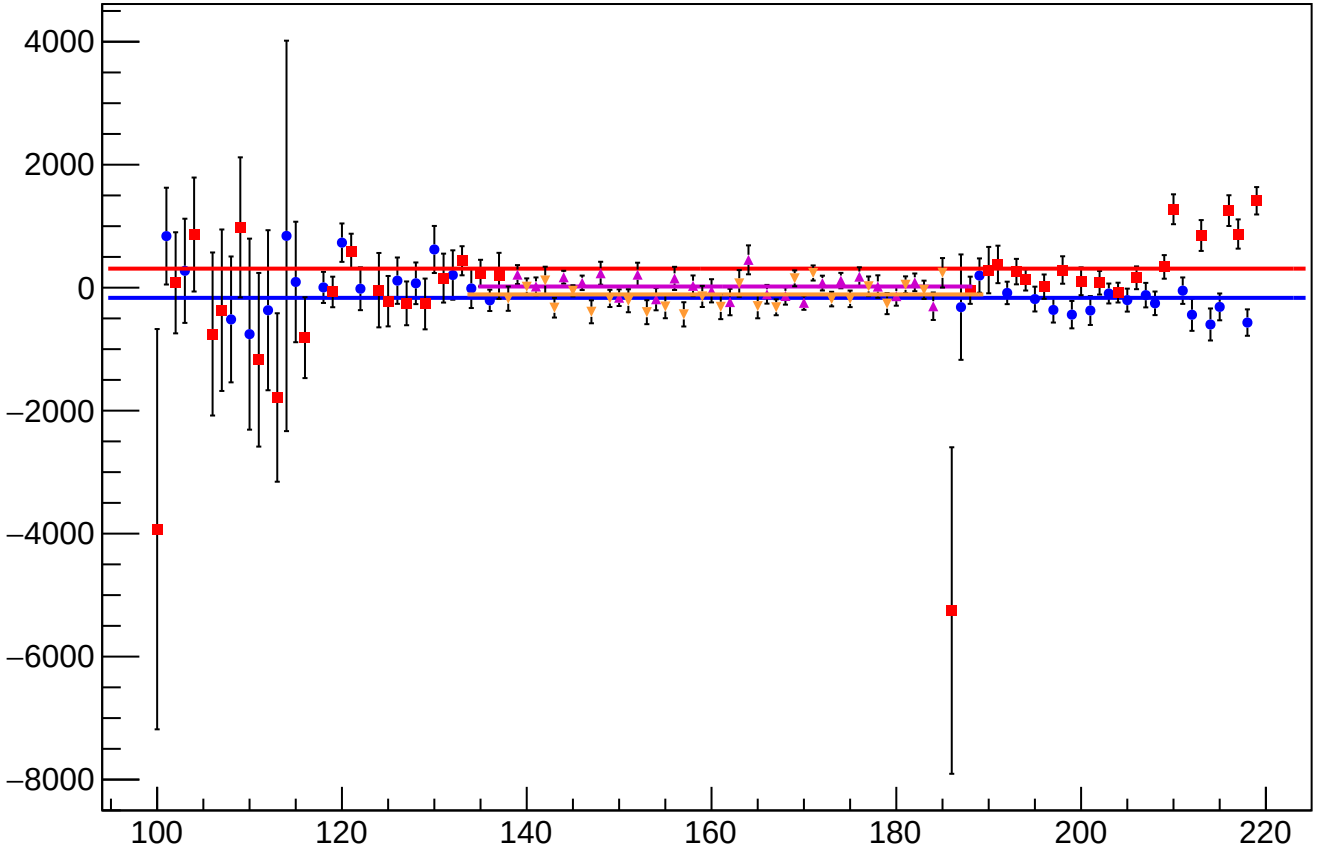
Right: 62.001+/-0.007 χ^2/NDF: 4599444.1/68

In: 48.864+/-0.006 χ^2/NDF:4708511.0/54

Out: 49.090+/-0.006 χ^2/NDF:6328384.6/61

All: 48.979+/-0.004 χ^2/NDF: 11037675.9/116

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -165.635+/-46.850 χ^2/NDF: 31.4/31

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 309.666+/-45.608 χ^2/NDF: 104.1/36

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

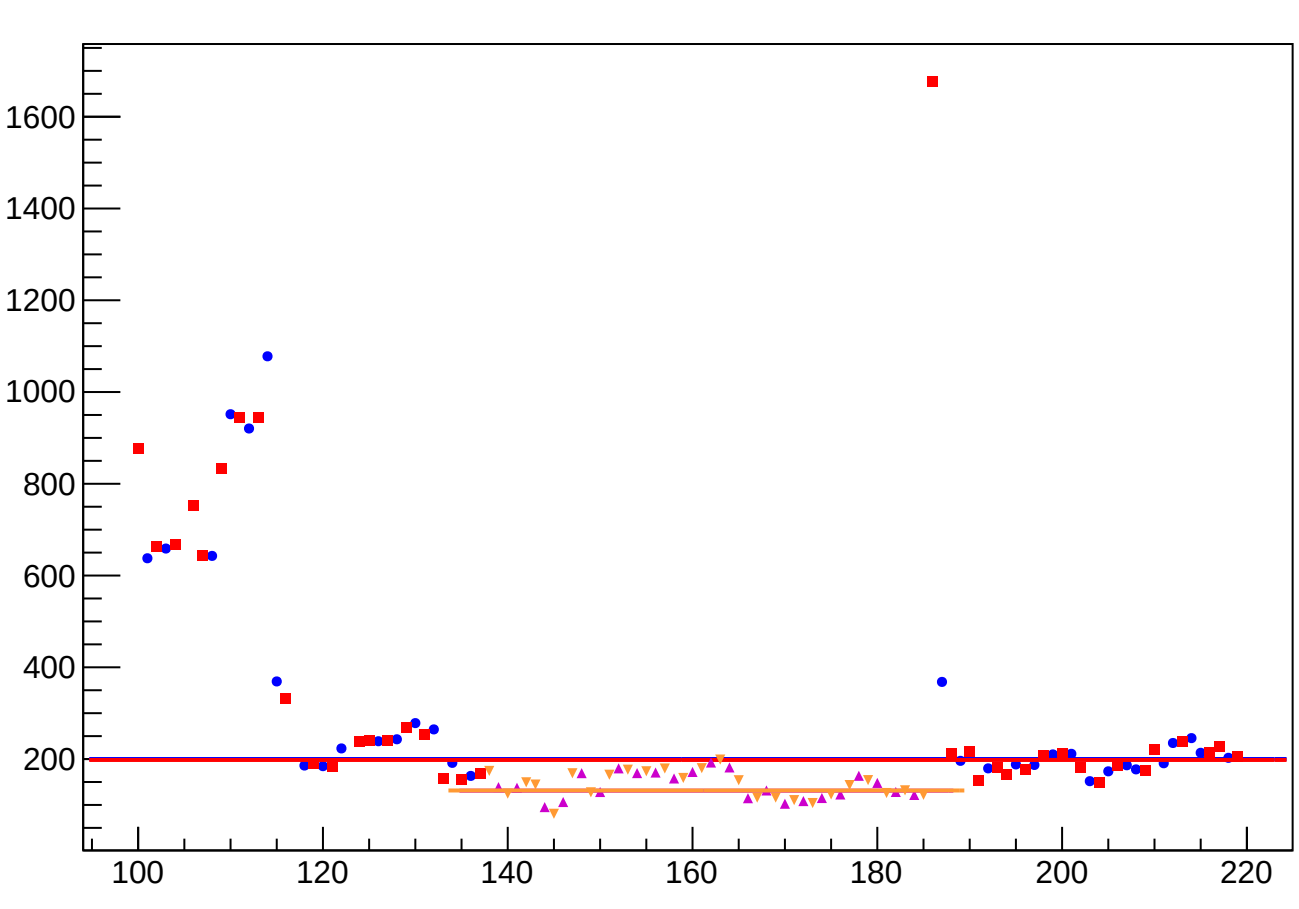
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 78.400+/-32.680 χ^2/NDF: 188.3/68

In: -38.534+/-26.127 χ^2/NDF:69.3/54

Out: 21.293+/-25.501 χ^2/NDF:198.5/61

All: -7.895+/-18.249 χ^2/NDF: 270.5/116



Right In: 200.088+/-0.033 χ^2/NDF: 3662150.5/31

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 198.048+/-0.032 χ^2/NDF: 5114840.3/36

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

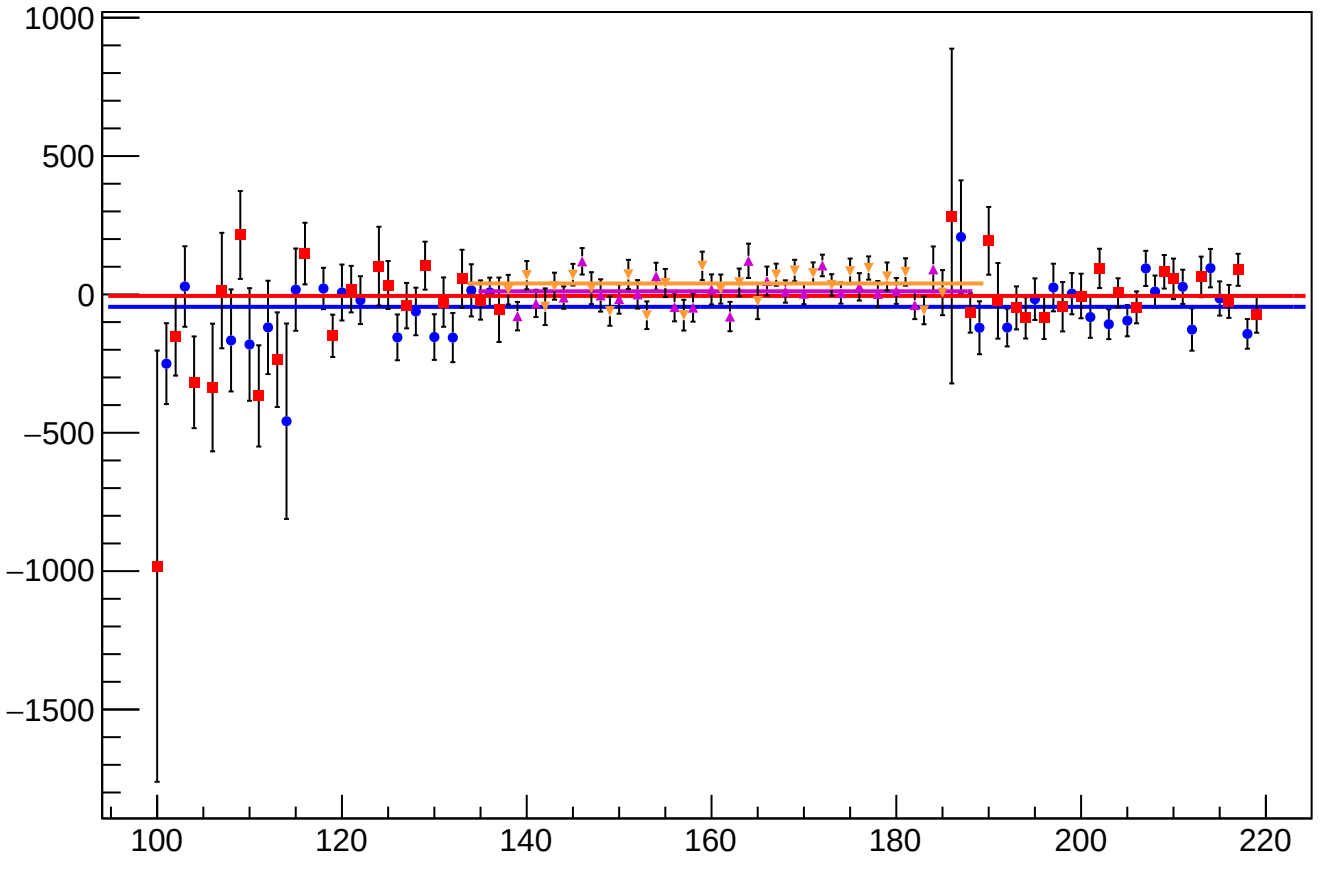
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 199.041+/-0.023 χ^2/NDF: 8778937.1/68

In: 152.538+/-0.018 χ^2/NDF:8120154.5/54

Out: 152.316+/-0.018 χ^2/NDF:9943395.2/61

All: 152.424+/-0.013 χ^2/NDF: 18063623.5/11



Right In: -44.875+/-13.954 χ^2/NDF: 35.2/31

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: -5.370+/-14.138 χ^2/NDF: 40.8/36

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

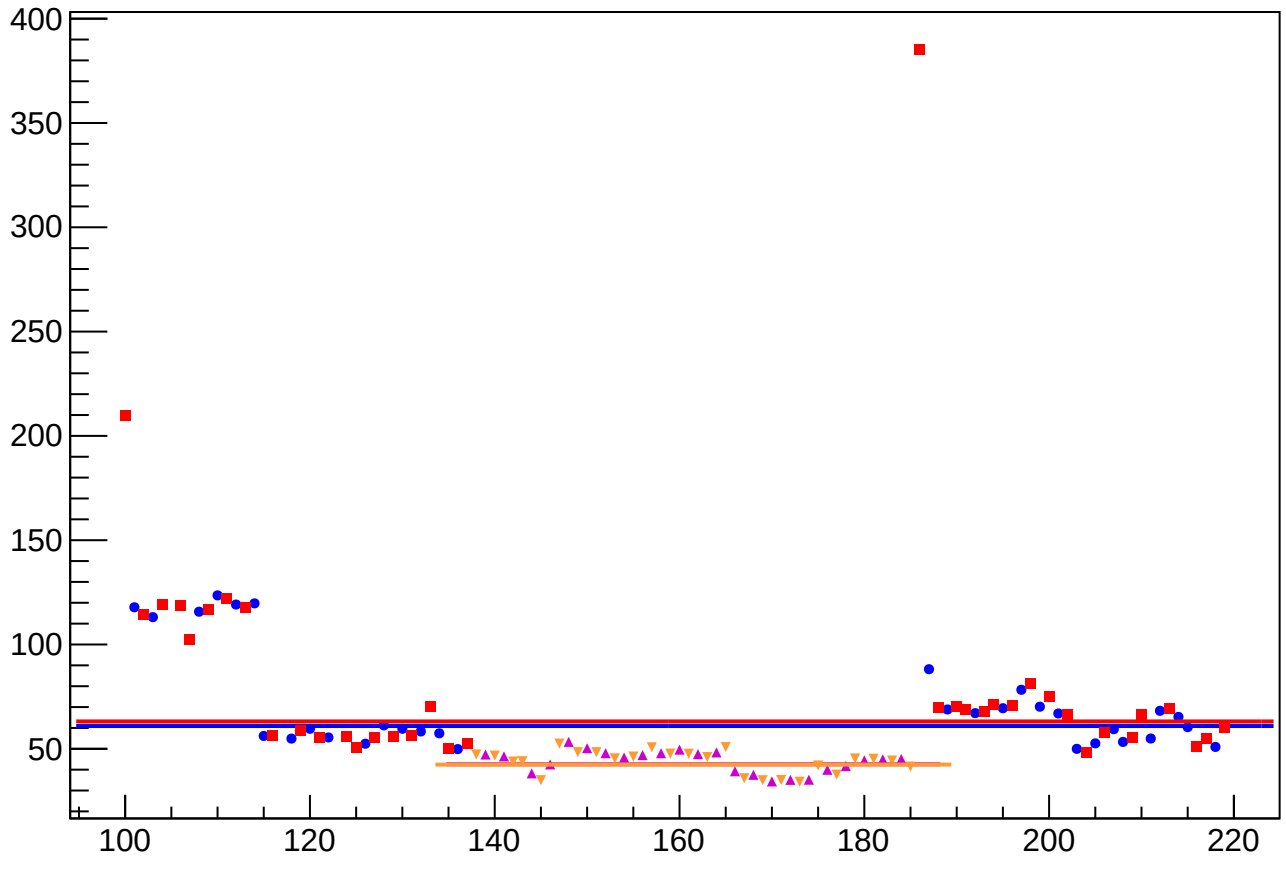
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -25.380+/-9.931 χ^2/NDF: 80.0/68

In: -7.950+/-8.170 χ^2/NDF:73.8/54

Out: 25.091+/-8.024 χ^2/NDF:77.2/61

All: 8.868+/-5.724 χ^2/NDF: 159.4/116



Right In: 60.916+/-0.010 χ^2/NDF: 1848813.4/31

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 63.116+/-0.010 χ^2/NDF: 2726073.6/36

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

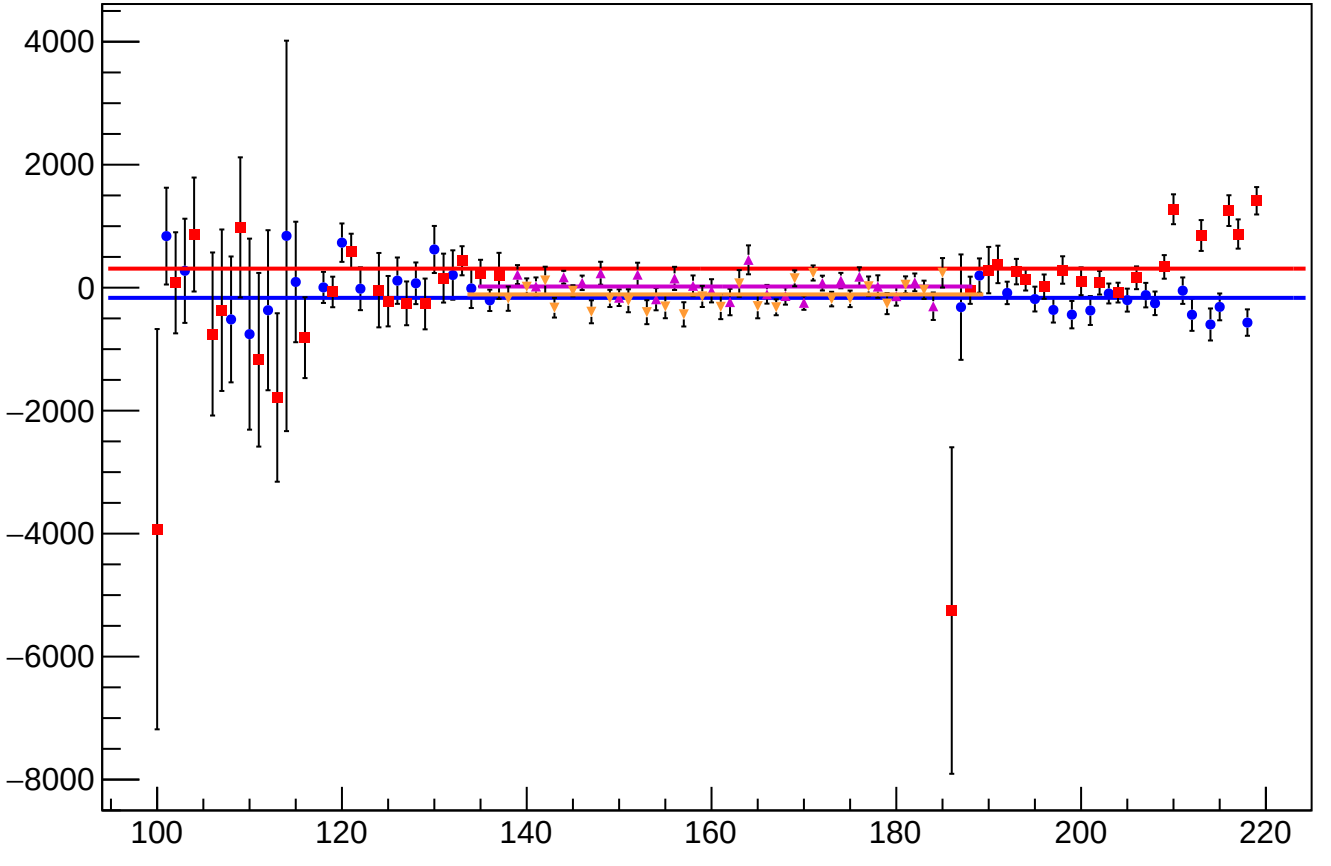
Right: 62.001+/-0.007 χ^2/NDF: 4599417.2/68

In: 48.864+/-0.006 χ^2/NDF:4708494.7/54

Out: 49.090+/-0.006 χ^2/NDF:6328424.2/61

All: 48.979+/-0.004 χ^2/NDF: 11037698.9/116

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -165.636+/-46.850 χ^2/NDF: 31.4/31

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 309.663+/-45.608 χ^2/NDF: 104.1/36

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

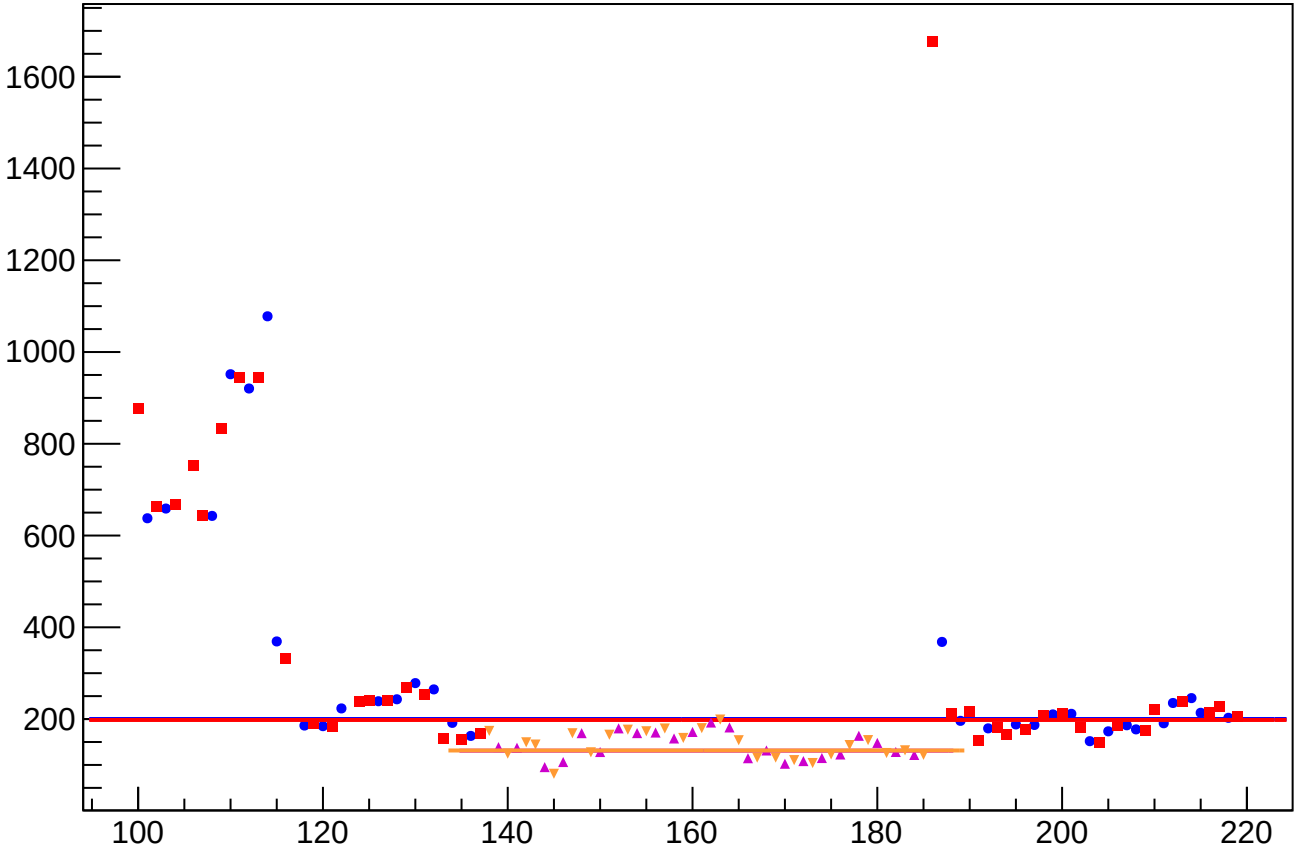
Right: 78.399+/-32.680 χ^2/NDF: 188.3/68

In: -38.535+/-26.127 χ^2/NDF:69.3/54

Out: 21.293+/-25.501 χ^2/NDF:198.5/61

All: -7.895+/-18.249 χ^2/NDF: 270.5/116

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 200.088+/-0.033 χ^2/NDF: 3662151.0/31

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 198.048+/-0.032 χ^2/NDF: 5114850.2/36

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

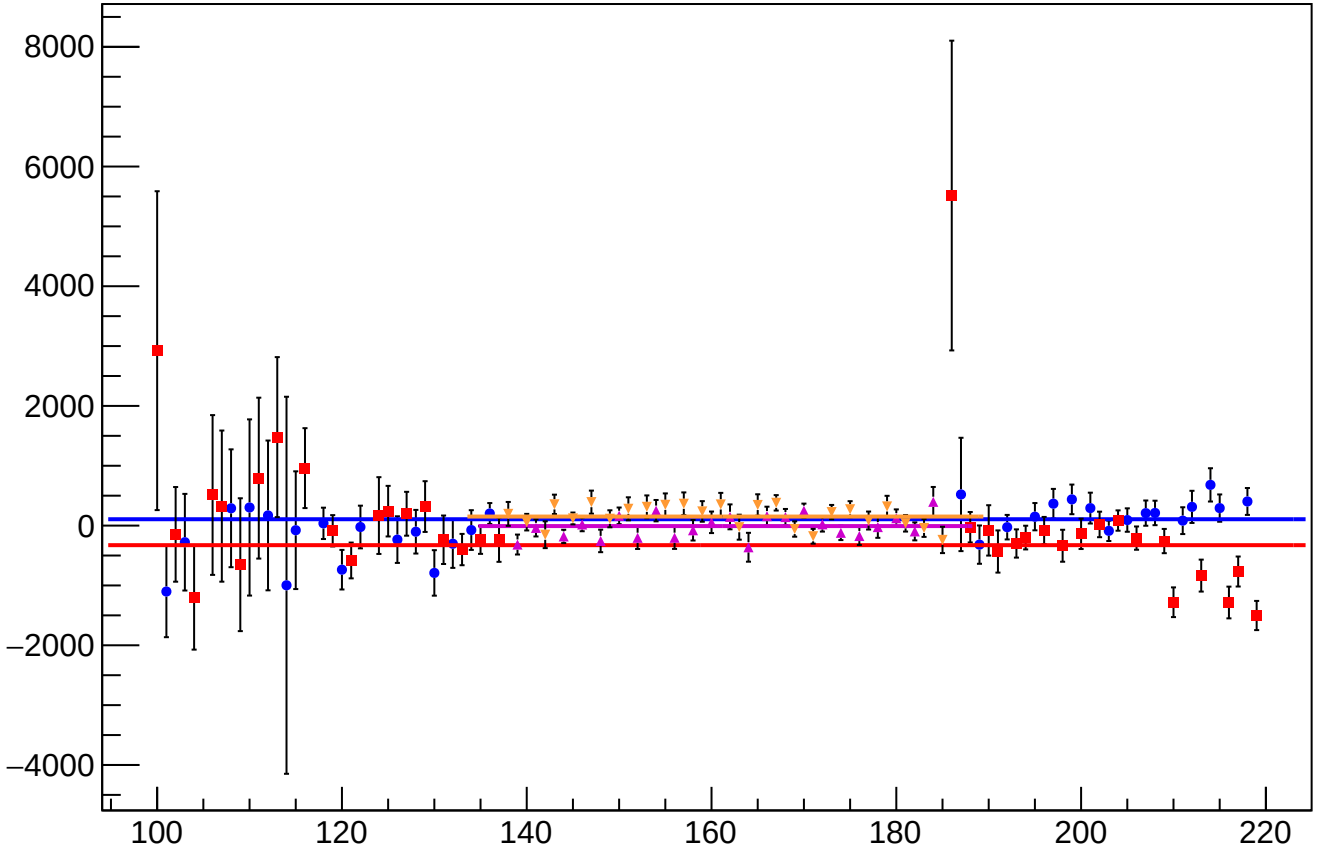
Right: 199.040+/-0.023 χ^2/NDF: 8778947.6/68

In: 152.538+/-0.018 χ^2/NDF:8120104.0/54

Out: 152.316+/-0.018 χ^2/NDF:9943335.6/61

All: 152.424+/-0.013 χ^2/NDF: 18063513.4/11

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 106.448+/-49.882 χ^2/NDF: 32.9/31

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -326.903+/-49.503 χ^2/NDF: 94.0/36

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

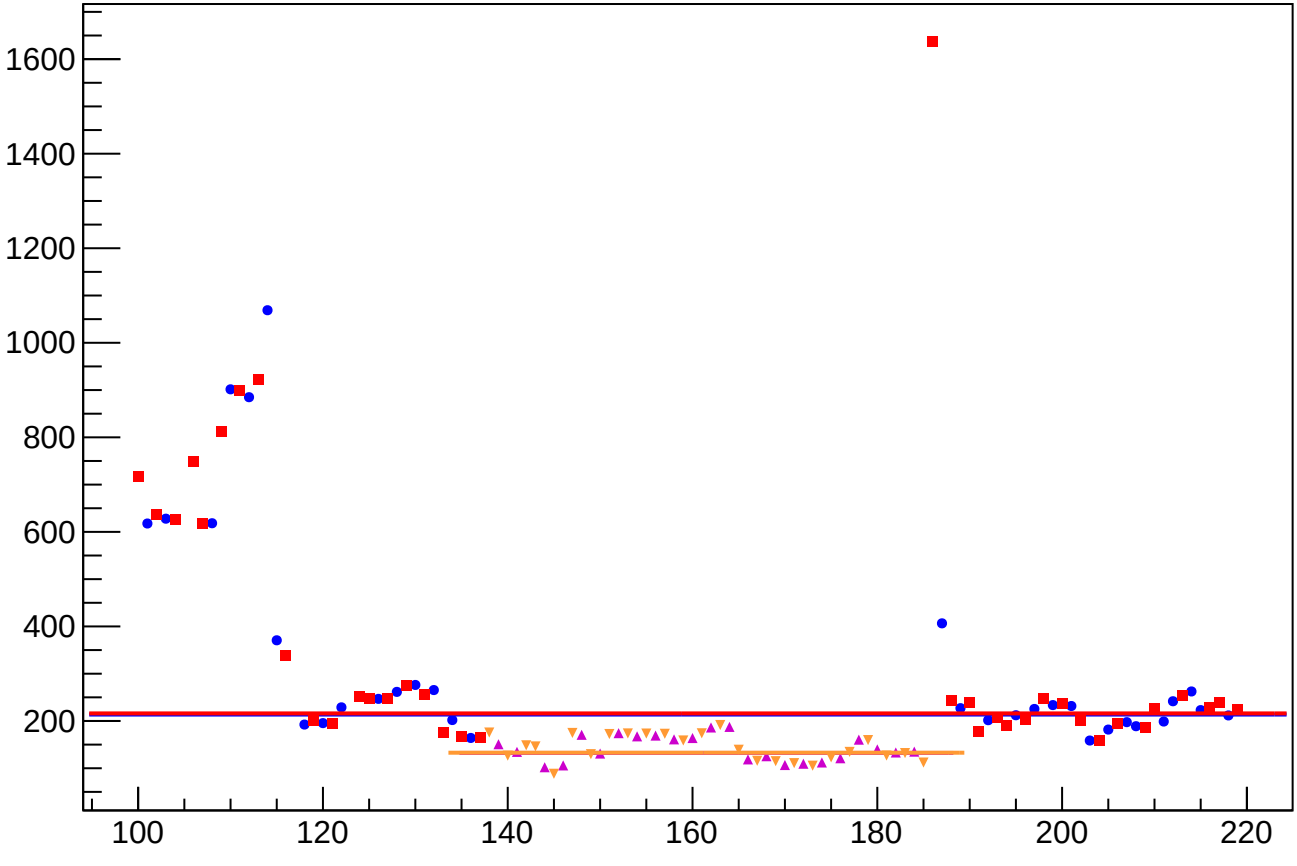
Right: -111.881+/-35.137 χ^2/NDF: 164.9/68

In: 24.850+/-26.707 χ^2/NDF:66.1/54

Out: 16.757+/-26.244 χ^2/NDF:194.1/61

All: 20.733+/-18.719 χ^2/NDF: 260.2/116

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 213.586+/-0.035 χ^2/NDF: 3478744.4/31

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 216.012+/-0.035 χ^2/NDF: 4725457.2/36

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

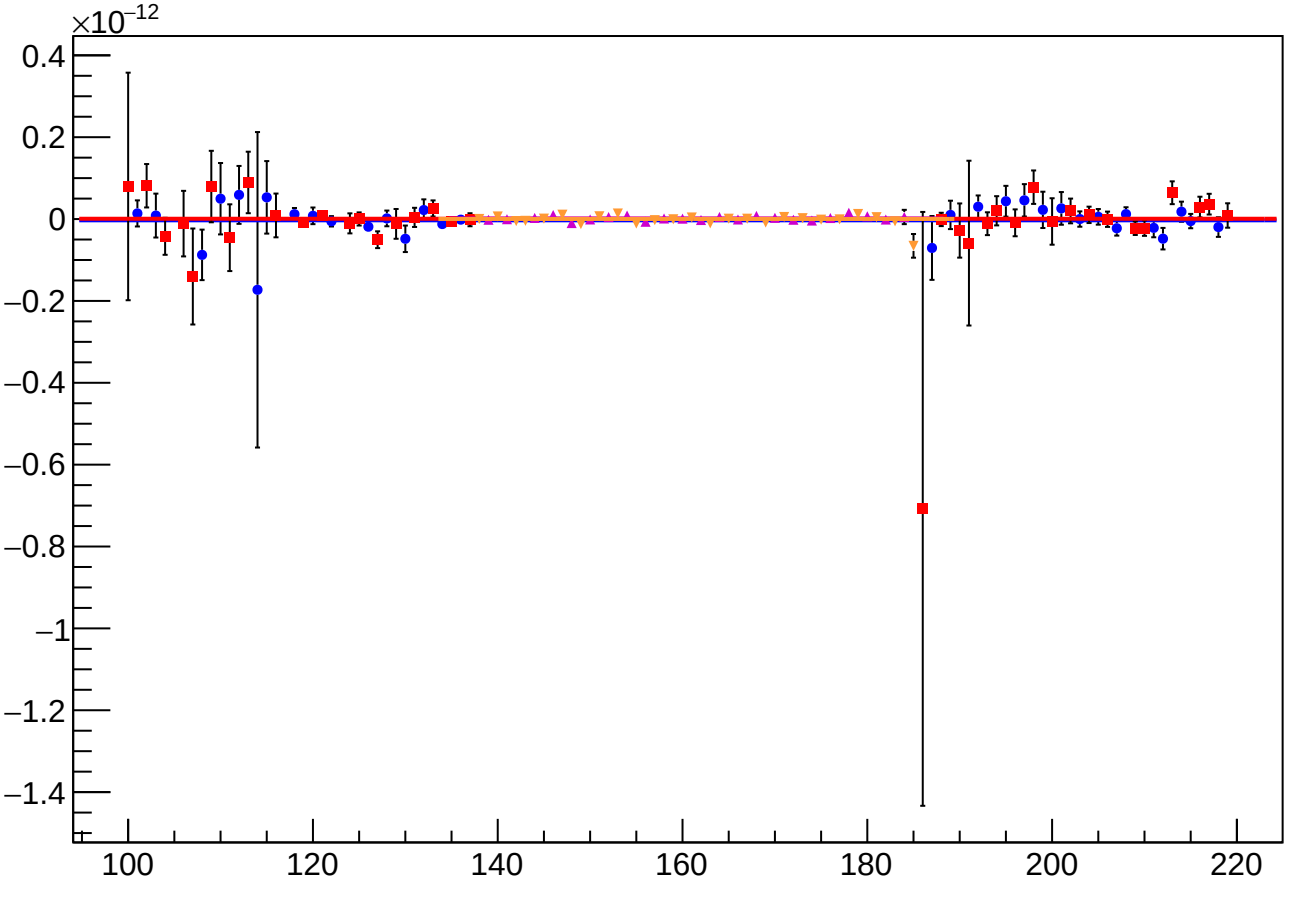
Right: 214.808+/-0.025 χ^2/NDF: 8206584.8/68

In: 155.631+/-0.019 χ^2/NDF:8541189.5/54

Out: 156.242+/-0.019 χ^2/NDF:10373279.8/61

All: 155.942+/-0.013 χ^2/NDF: 18915001.6/11

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 24.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.2/36

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

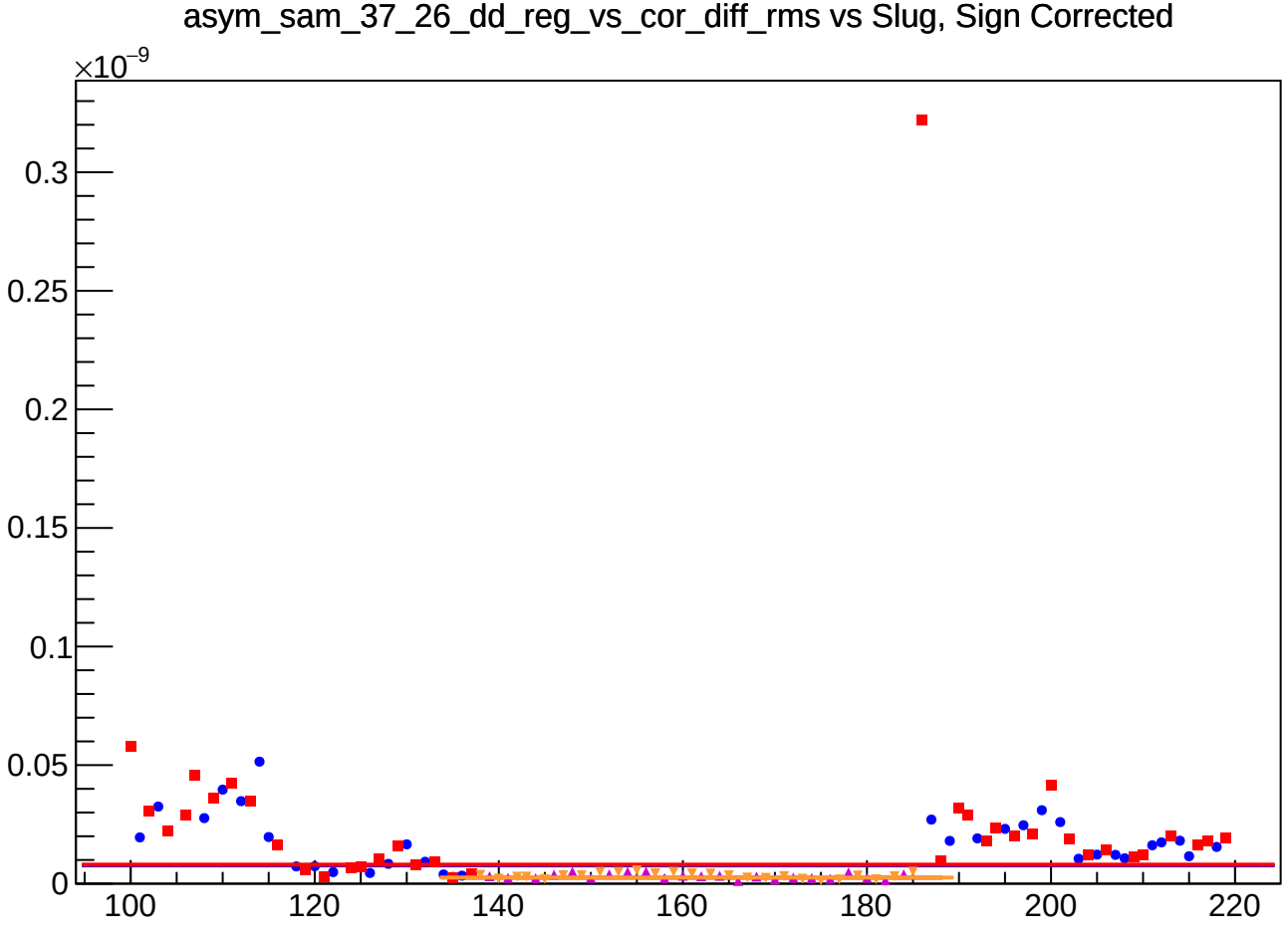
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 61.7/68

In: 0.000+/-0.000 χ^2/NDF:41.4/54

Out: 0.000+/-0.000 χ^2/NDF:68.4/61

All: 0.000+/-0.000 χ^2/NDF: 110.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 7463276.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8783939.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

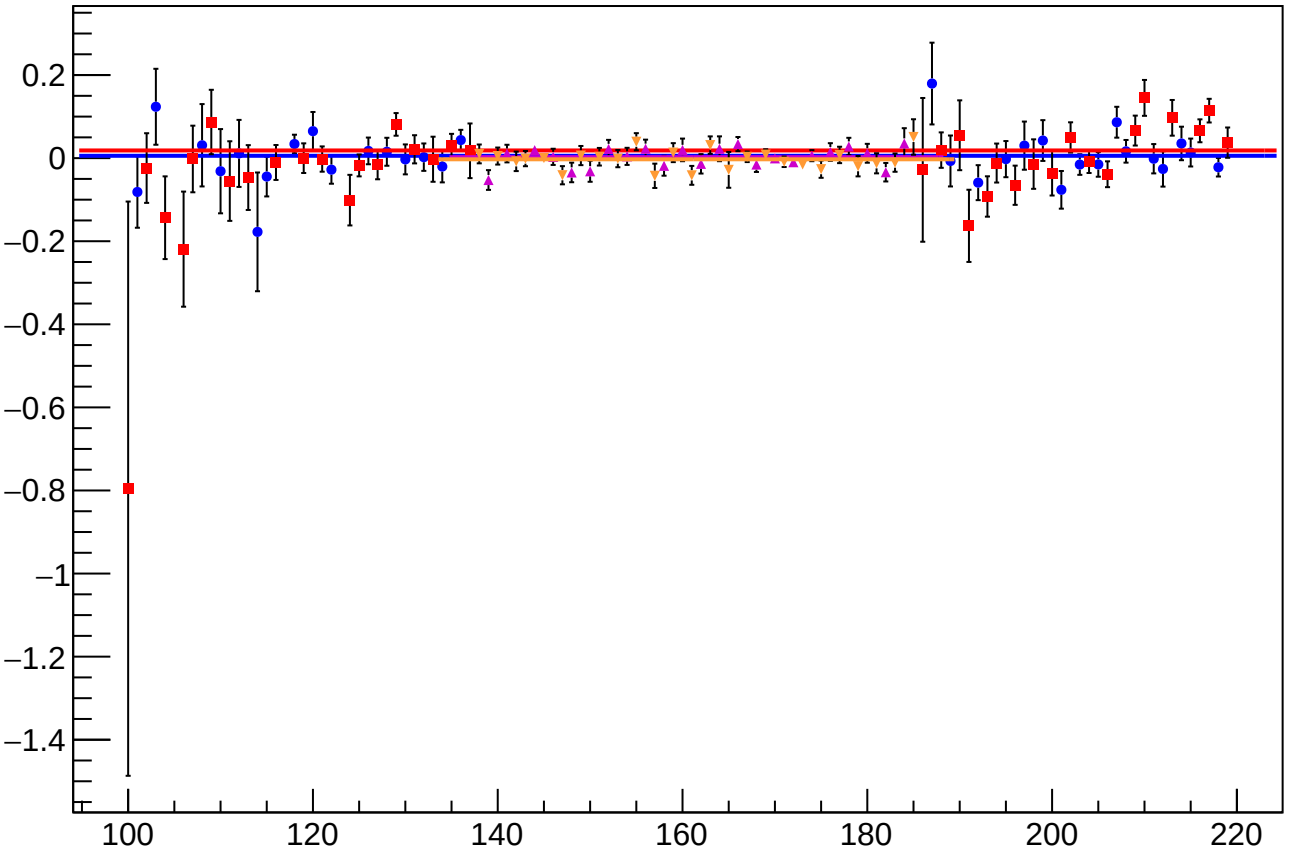
Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

Right: 0.000+/-0.000 χ^2/NDF: 16256784.6/68

In: 0.000+/-0.000 χ^2/NDF:13896824.9/54

Out: 0.000+/-0.000 χ^2/NDF:15866718.5/61

All: 0.000+/-0.000 χ^2/NDF: 29763561.1/116



Right In: 0.006+/-0.007 χ^2/NDF: 31.3/31

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.018+/-0.007 χ^2/NDF: 71.1/36

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

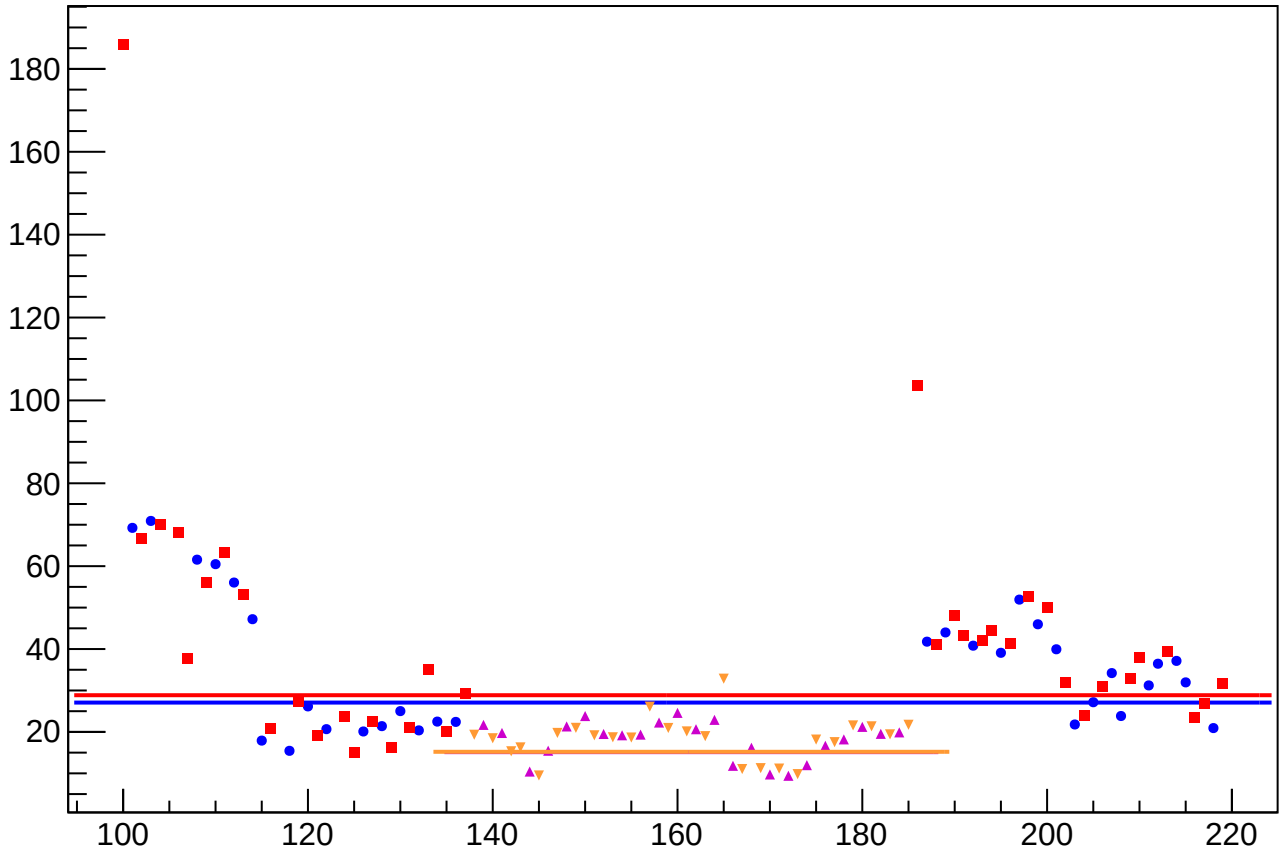
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.012+/-0.005 χ^2/NDF: 104.2/68

In: 0.003+/-0.003 χ^2/NDF:58.5/54

Out: 0.002+/-0.003 χ^2/NDF:101.1/61

All: 0.003+/-0.002 χ^2/NDF: 159.6/116



Right In: 27.080+/-0.005 χ^2/NDF: 4748840.1/31

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.857+/-0.005 χ^2/NDF: 5655772.2/36

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

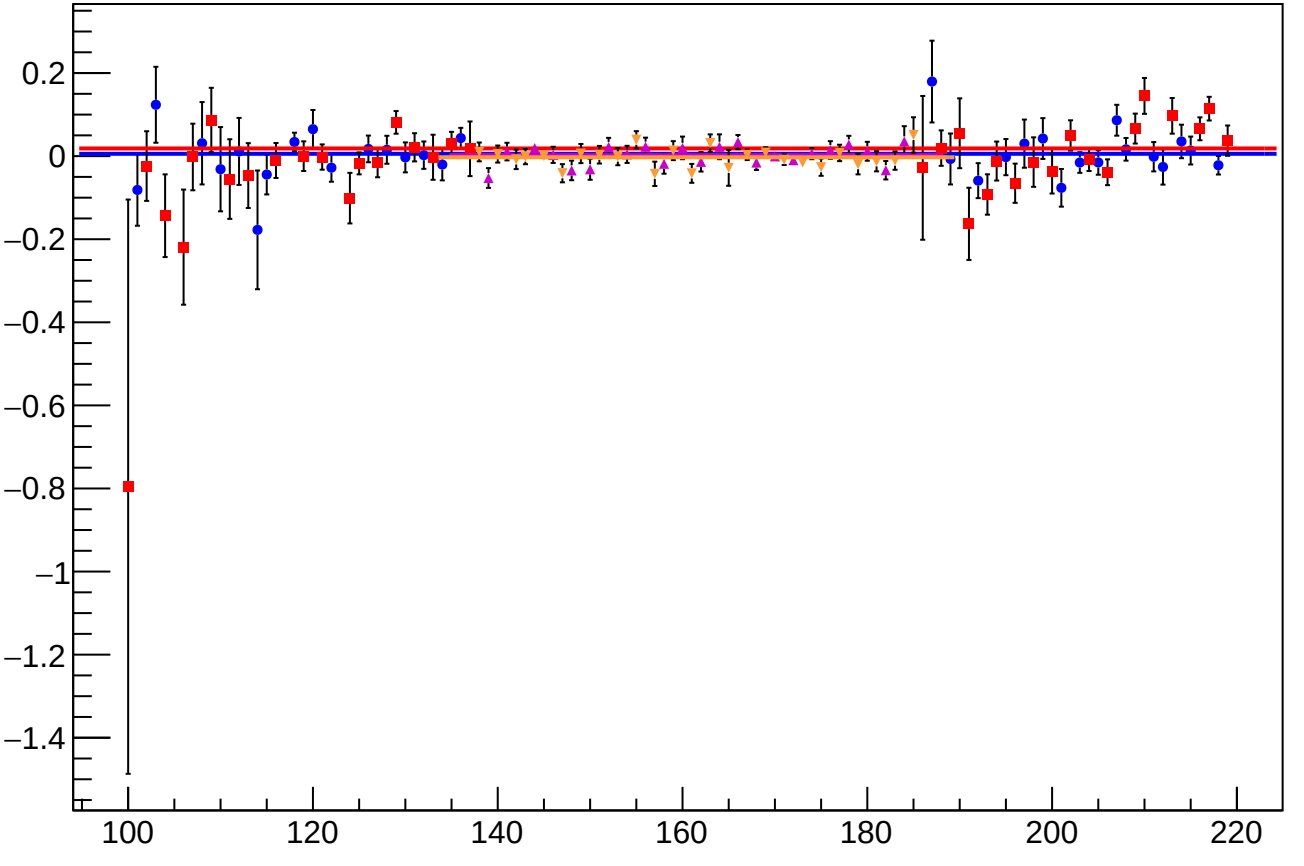
Right: 27.935+/-0.003 χ^2/NDF: 10473494.1/68

In: 18.097+/-0.002 χ^2/NDF:13024826.0/54

Out: 18.260+/-0.002 χ^2/NDF:15181731.5/61

All: 18.180+/-0.002 χ^2/NDF: 28208999.1/116

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.007 χ^2/NDF: 31.3/31

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.018+/-0.007 χ^2/NDF: 71.1/36

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

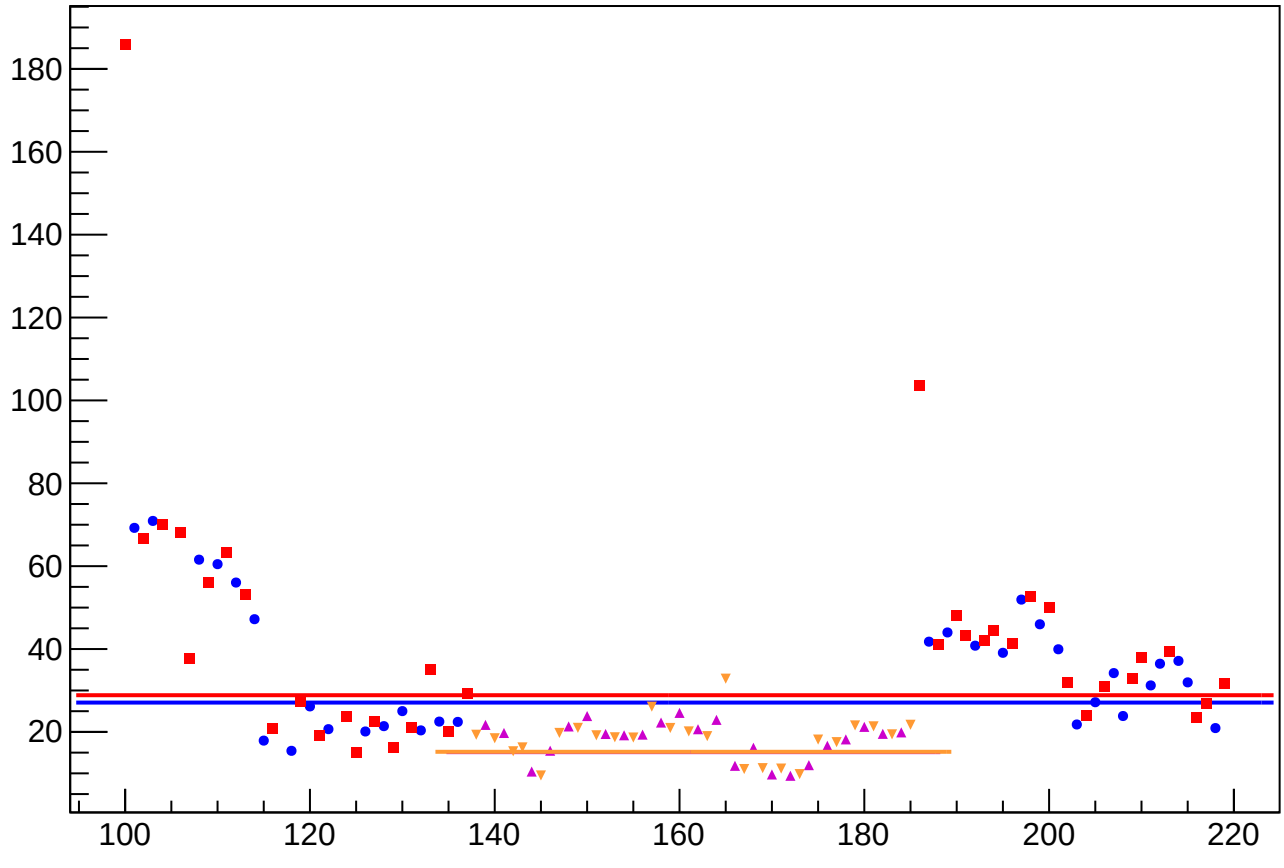
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.012+/-0.005 χ^2/NDF: 104.2/68

In: 0.003+/-0.003 χ^2/NDF:58.5/54

Out: 0.002+/-0.003 χ^2/NDF:101.1/61

All: 0.003+/-0.002 χ^2/NDF: 159.6/116



Right In: 27.080+/-0.005 χ^2/NDF: 4748840.1/31

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.857+/-0.005 χ^2/NDF: 5655772.2/36

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

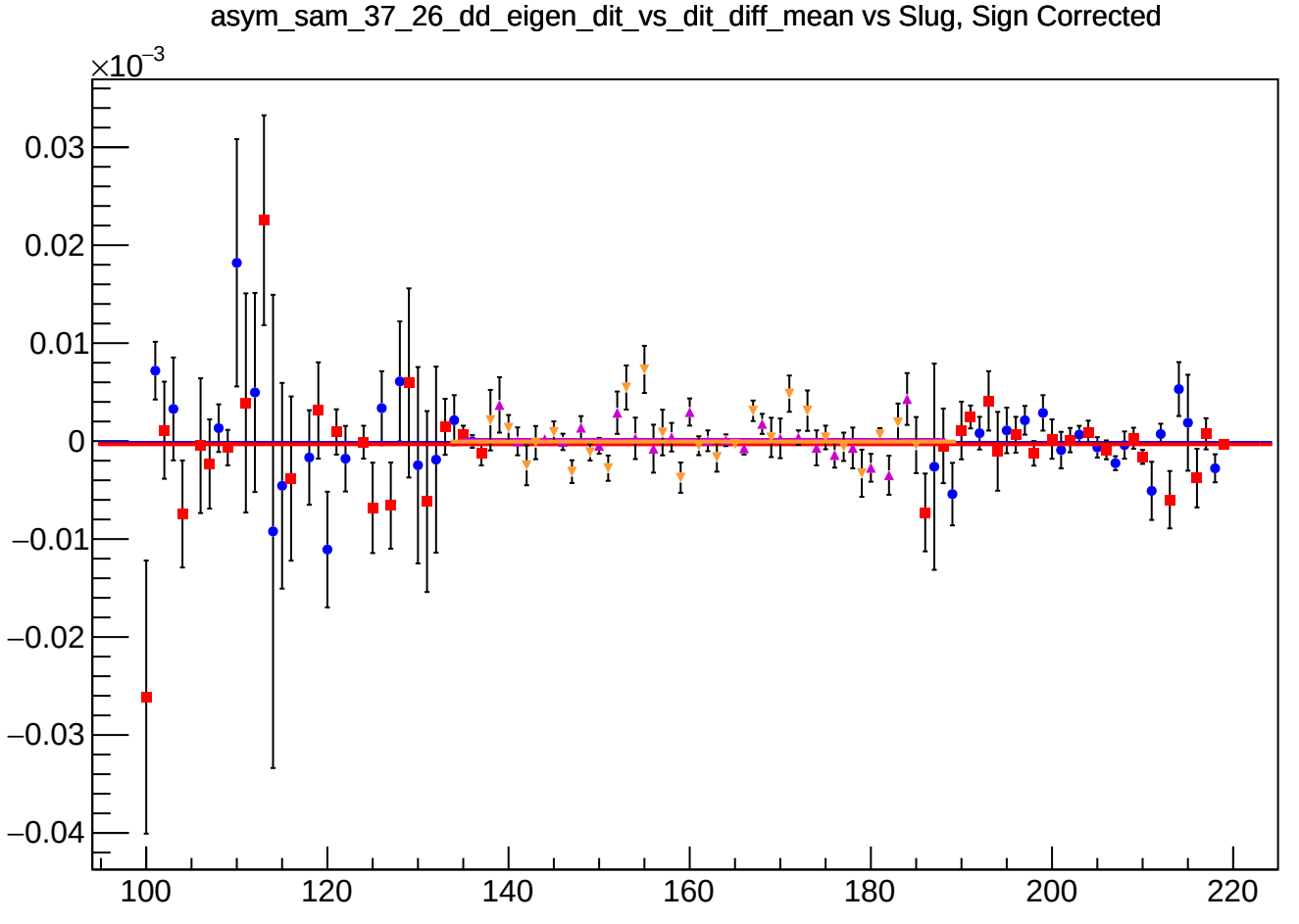
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.935+/-0.003 χ^2/NDF: 10473494.1/68

In: 18.097+/-0.002 χ^2/NDF:13024826.0/54

Out: 18.260+/-0.002 χ^2/NDF:15181731.5/61

All: 18.180+/-0.002 χ^2/NDF: 28208999.1/116



Right In: -0.000+/-0.000 χ^2/NDF: 45.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.5/36

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

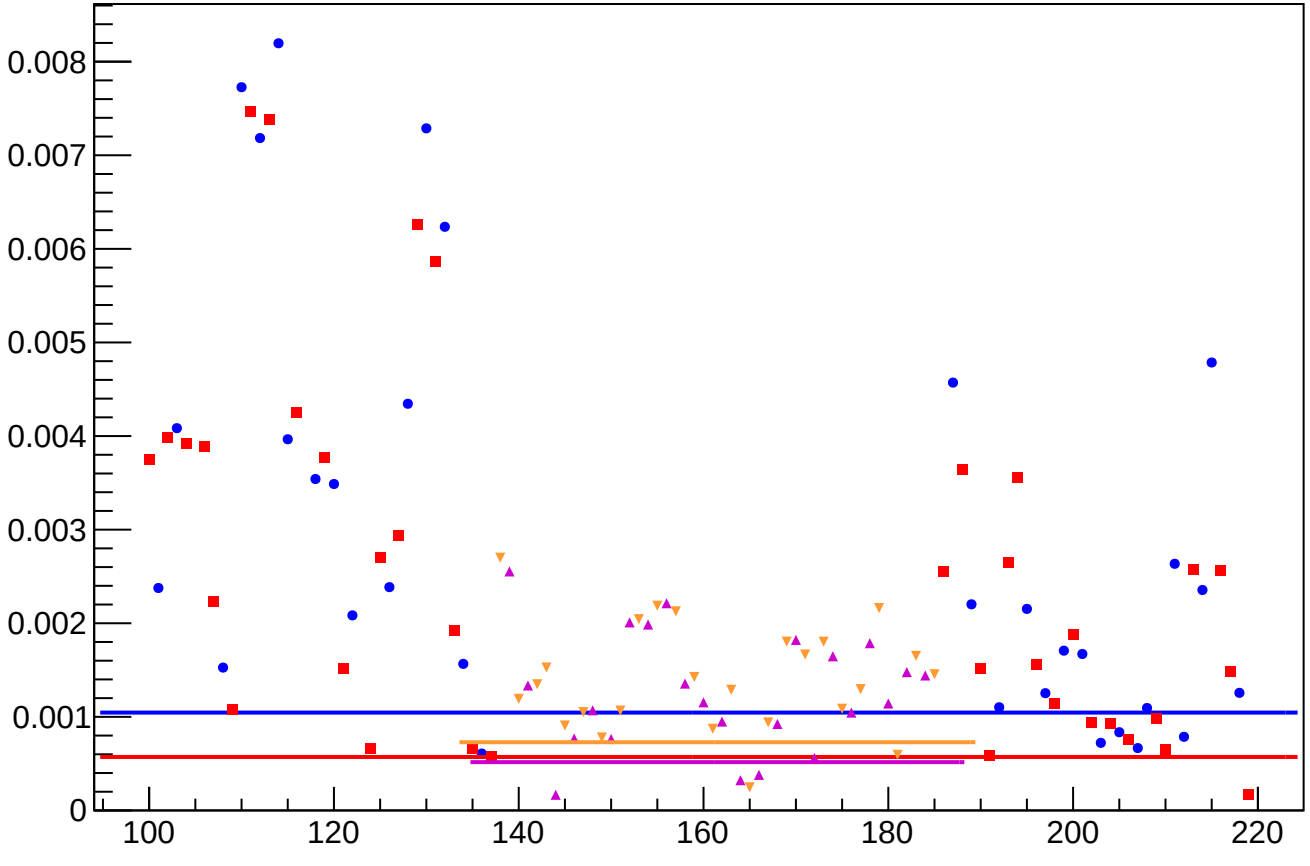
Right: -0.000+/-0.000 χ^2/NDF: 86.4/68

In: 0.000+/-0.000 χ^2/NDF:72.0/54

Out: -0.000+/-0.000 χ^2/NDF:104.2/61

All: -0.000+/-0.000 χ^2/NDF: 177.5/116

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 11795220.5/31

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 22249909.8/36

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

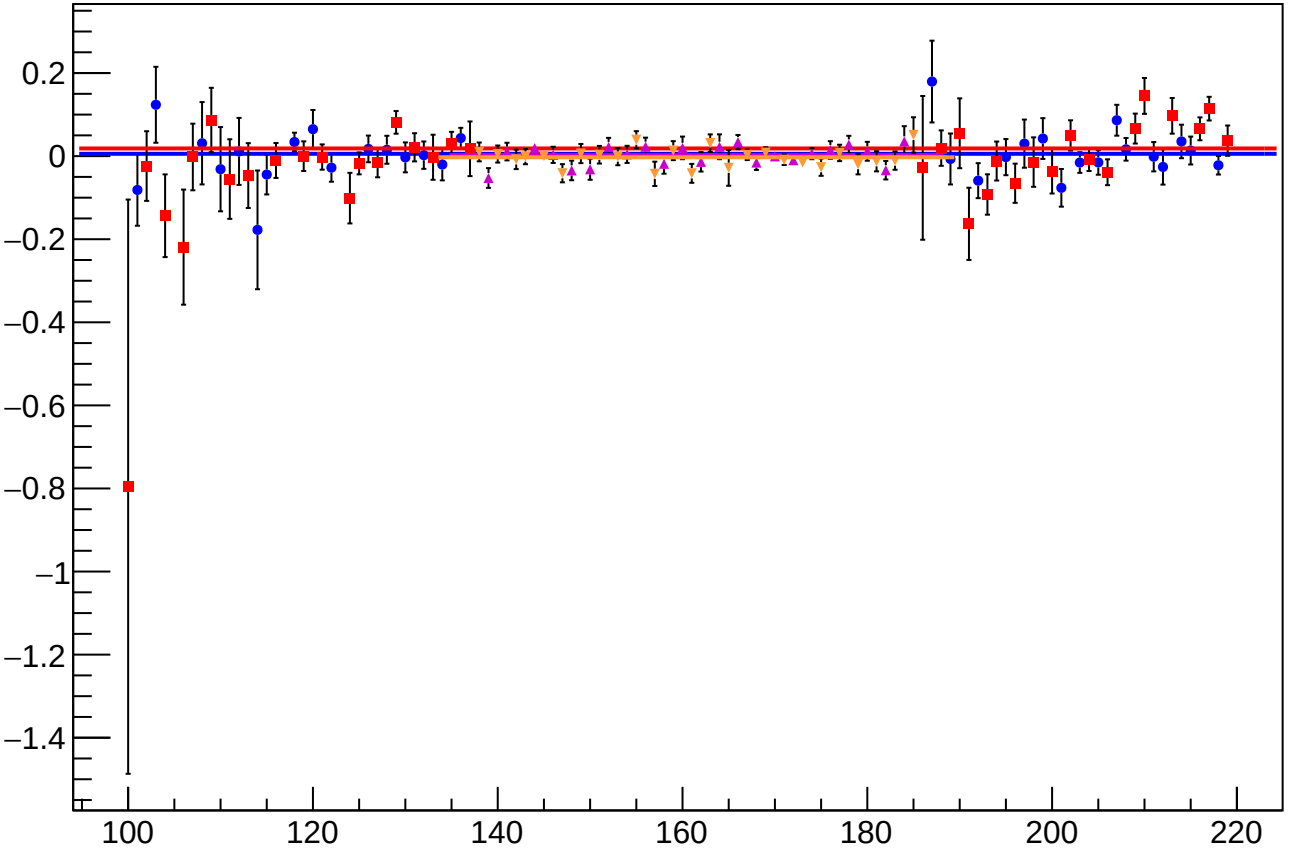
Right: 0.001+/-0.000 χ^2/NDF: 37537852.3/68

In: 0.001+/-0.000 χ^2/NDF:31502265.2/54

Out: 0.001+/-0.000 χ^2/NDF:35970821.6/61

All: 0.001+/-0.000 χ^2/NDF: 67474147.1/116

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.007 χ^2/NDF: 31.3/31

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.019+/-0.007 χ^2/NDF: 71.1/36

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

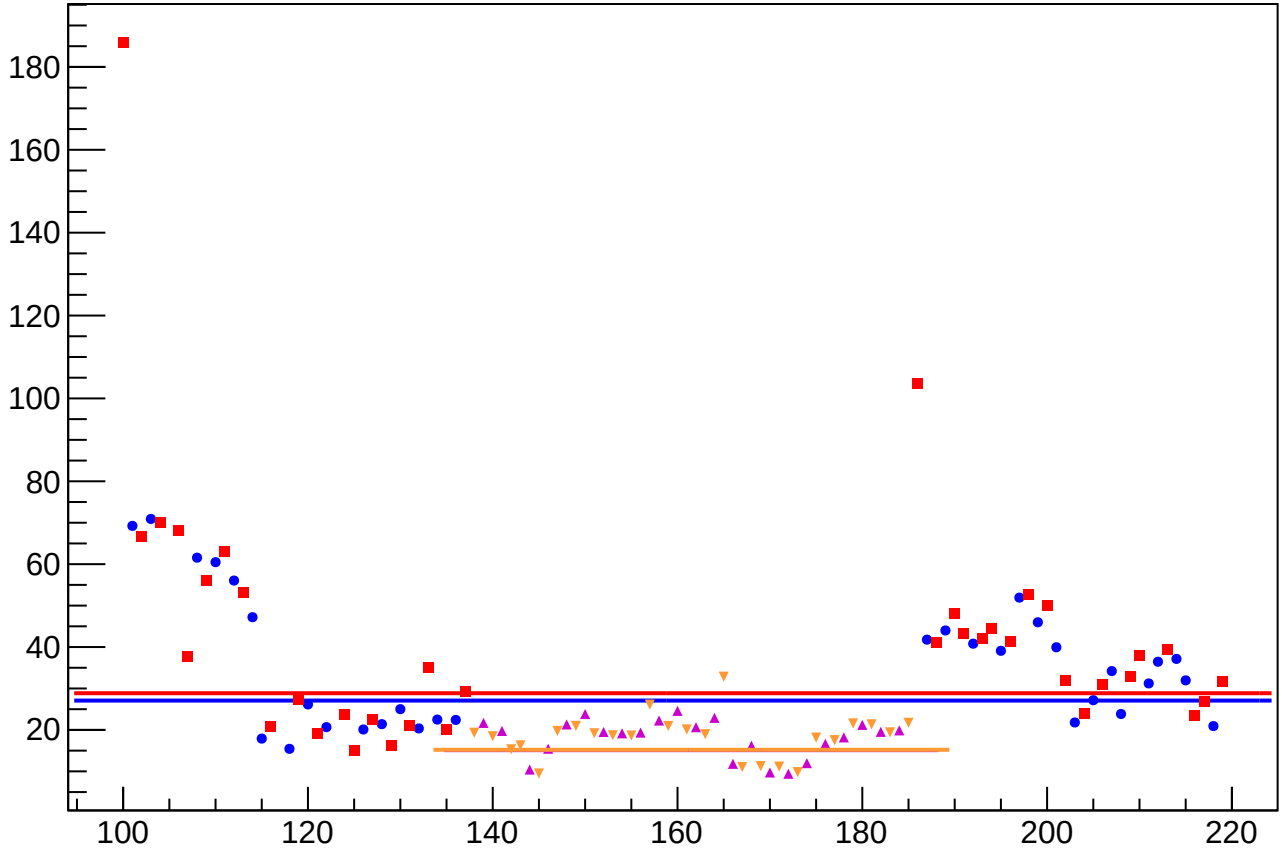
Right: 0.012+/-0.005 χ^2/NDF: 104.2/68

In: 0.003+/-0.003 χ^2/NDF:58.5/54

Out: 0.002+/-0.003 χ^2/NDF:101.1/61

All: 0.003+/-0.002 χ^2/NDF: 159.6/116

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.080+/-0.005 χ^2/NDF: 4749234.5/31

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.857+/-0.005 χ^2/NDF: 5655903.8/36

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

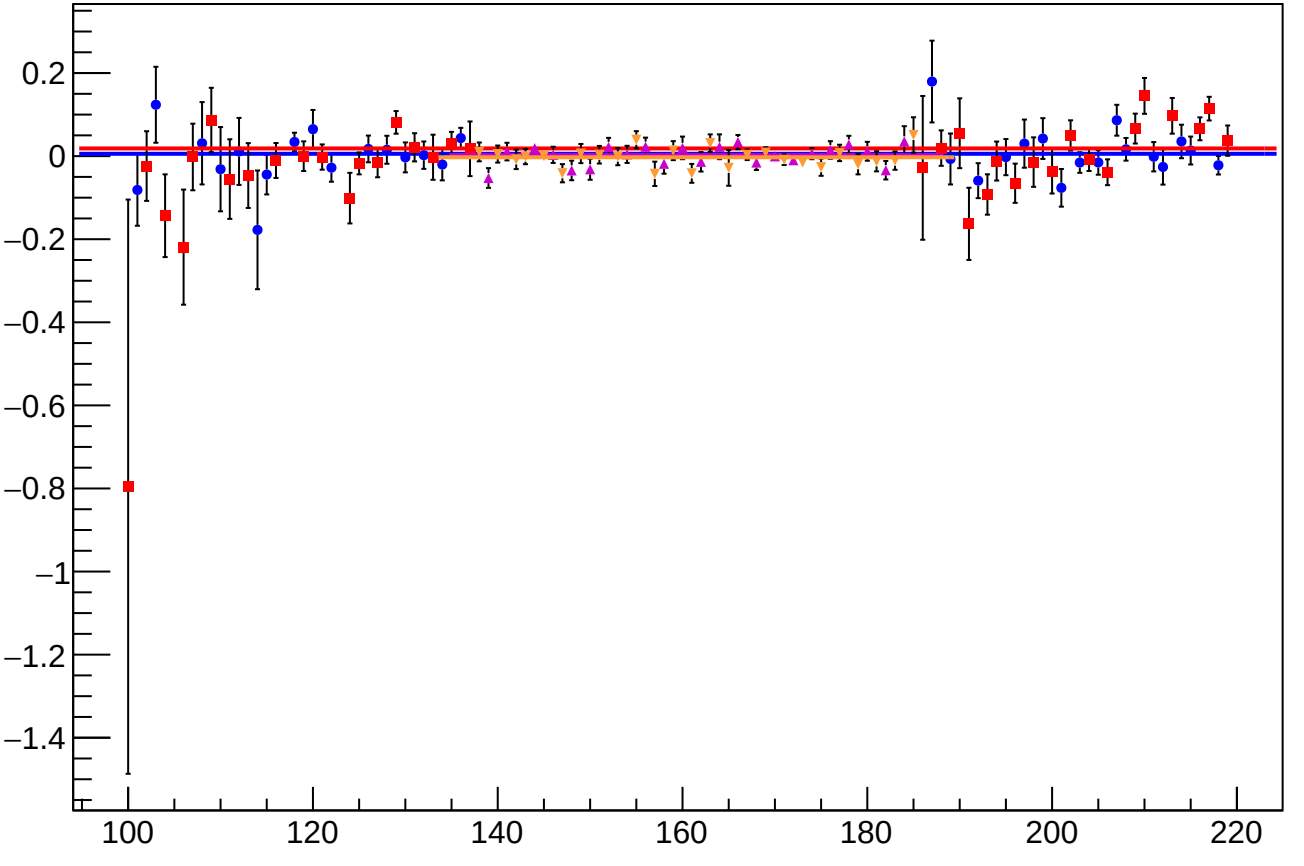
Right: 27.935+/-0.003 χ^2/NDF: 10474067.8/68

In: 18.097+/-0.002 χ^2/NDF:13024716.9/54

Out: 18.260+/-0.002 χ^2/NDF:15181816.0/61

All: 18.180+/-0.002 χ^2/NDF: 28208975.2/116

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.007 χ^2/NDF: 31.3/31

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.019+/-0.007 χ^2/NDF: 71.1/36

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

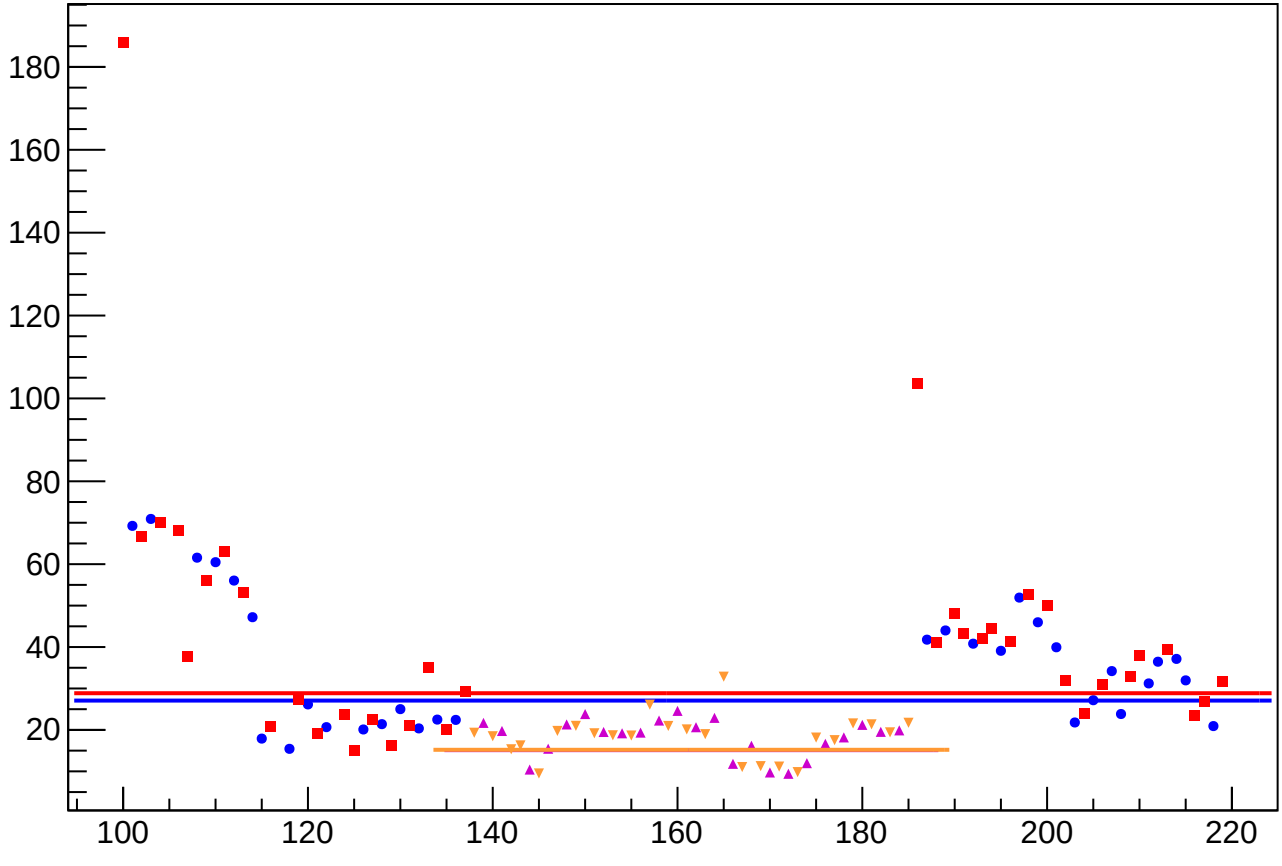
Right: 0.012+/-0.005 χ^2/NDF: 104.2/68

In: 0.003+/-0.003 χ^2/NDF:58.5/54

Out: 0.002+/-0.003 χ^2/NDF:101.1/61

All: 0.003+/-0.002 χ^2/NDF: 159.6/116

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.080+/-0.005 χ^2/NDF: 4749234.5/31

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.857+/-0.005 χ^2/NDF: 5655903.8/36

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

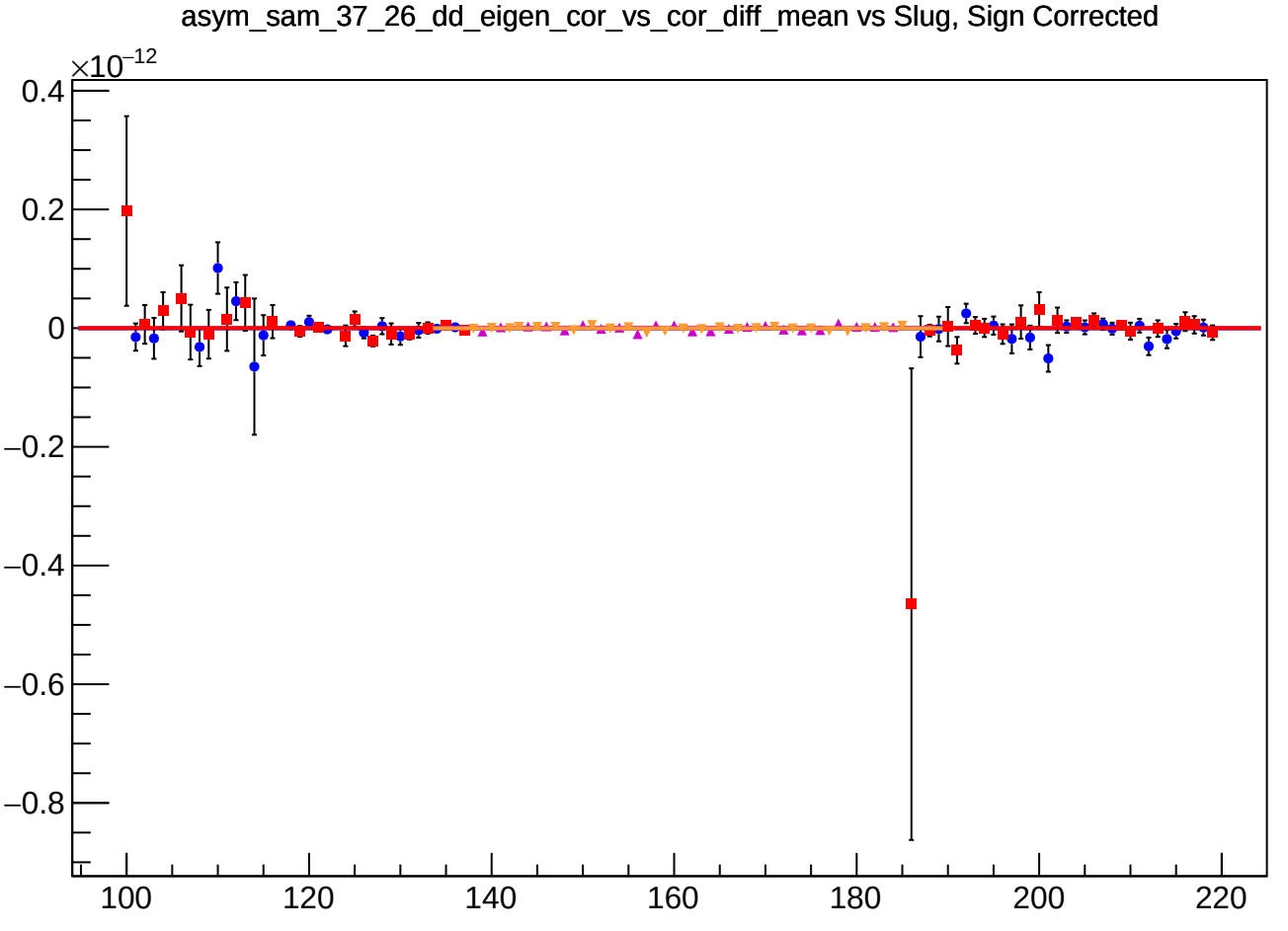
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 27.935+/-0.003 χ^2/NDF: 10474067.8/68

In: 18.097+/-0.002 χ^2/NDF:13024716.9/54

Out: 18.260+/-0.002 χ^2/NDF:15181816.0/61

All: 18.180+/-0.002 χ^2/NDF: 28208975.2/116



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.5/36

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

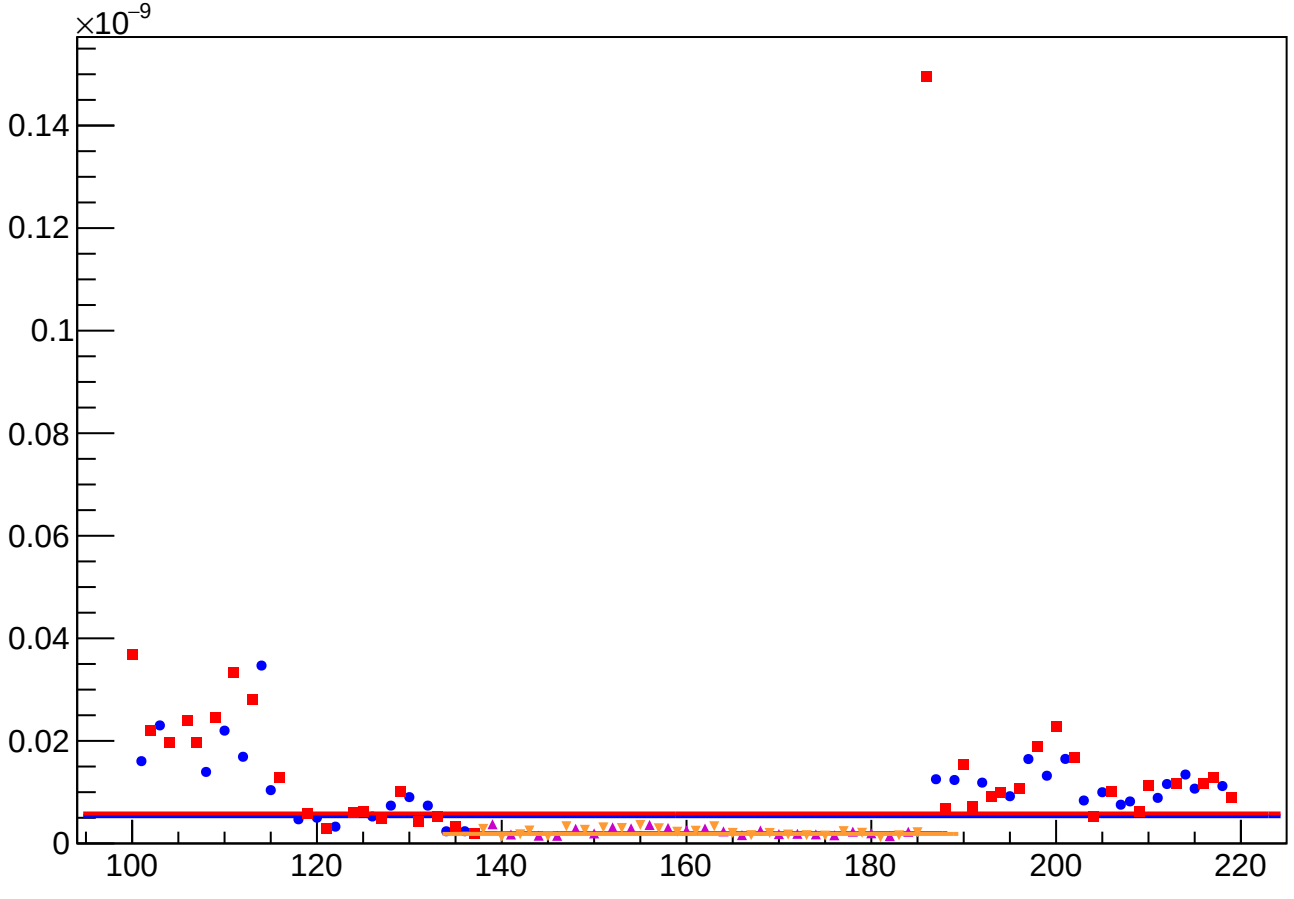
Right: -0.000+/-0.000 χ^2/NDF: 56.0/68

In: 0.000+/-0.000 χ^2/NDF:68.3/54

Out: -0.000+/-0.000 χ^2/NDF:49.0/61

All: 0.000+/-0.000 χ^2/NDF: 118.7/116

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9560239.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9806368.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

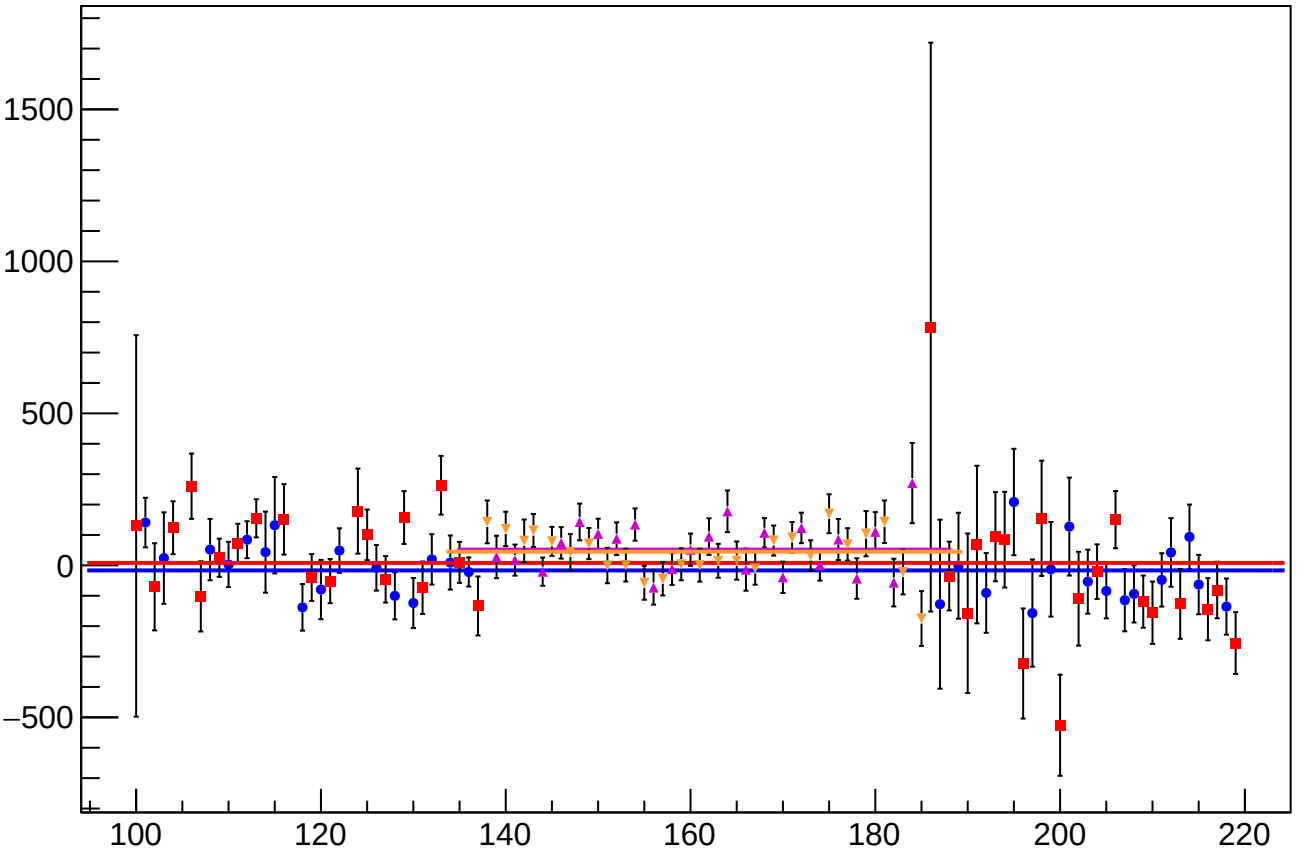
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 19450406.6/68

In: 0.000+/-0.000 χ^2/NDF:17846811.4/54

Out: 0.000+/-0.000 χ^2/NDF:20617942.3/61

All: 0.000+/-0.000 χ^2/NDF: 38571646.9/116



Right In: -16.617+/-16.460 χ^2/NDF: 24.3/31

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 8.145+/-16.261 χ^2/NDF: 69.0/36

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

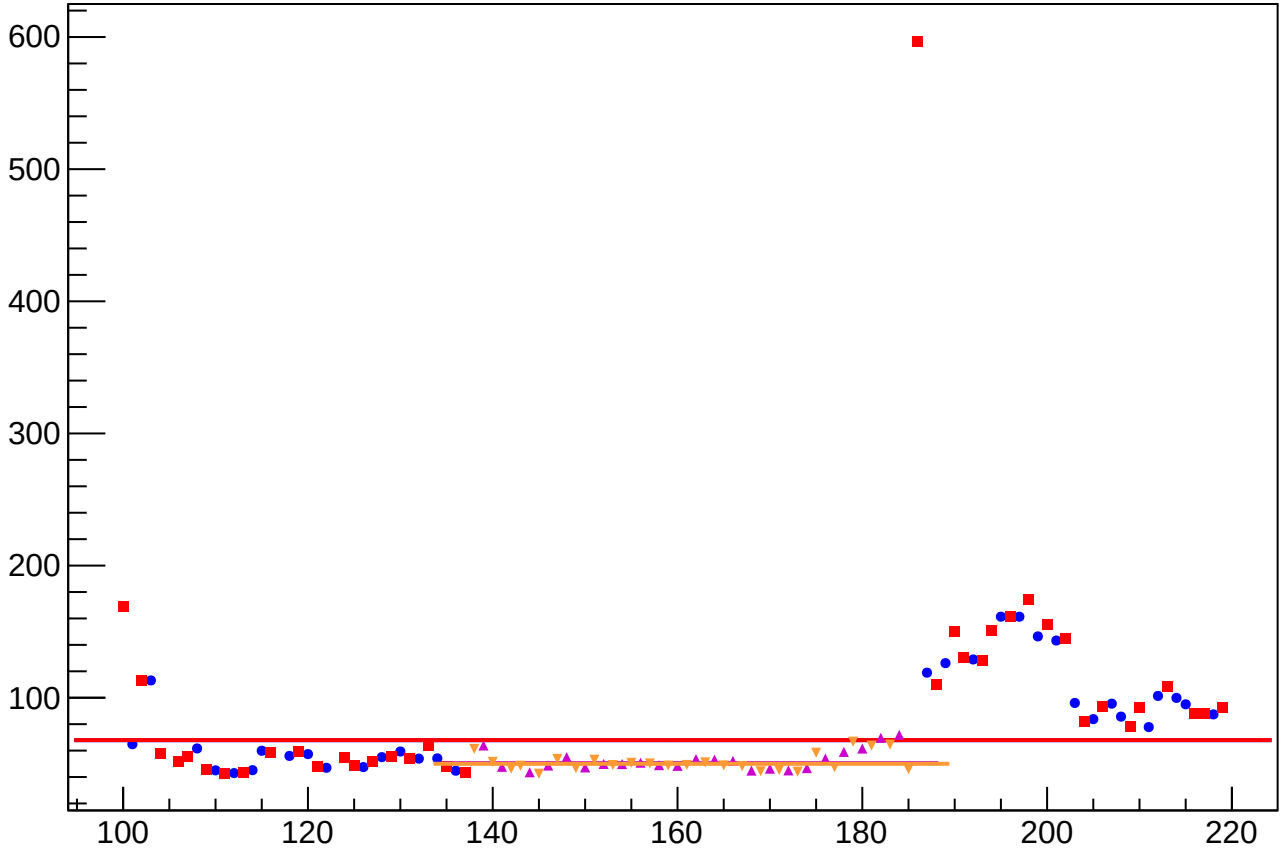
Right: -4.085+/-11.568 χ^2/NDF: 94.4/68

In: 28.120+/-9.659 χ^2/NDF:71.4/54

Out: 32.782+/-9.386 χ^2/NDF:103.8/61

All: 30.518+/-6.731 χ^2/NDF: 175.3/116

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 67.873+/-0.012 χ^2/NDF: 5659524.7/31

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 67.942+/-0.011 χ^2/NDF: 7251310.3/36

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

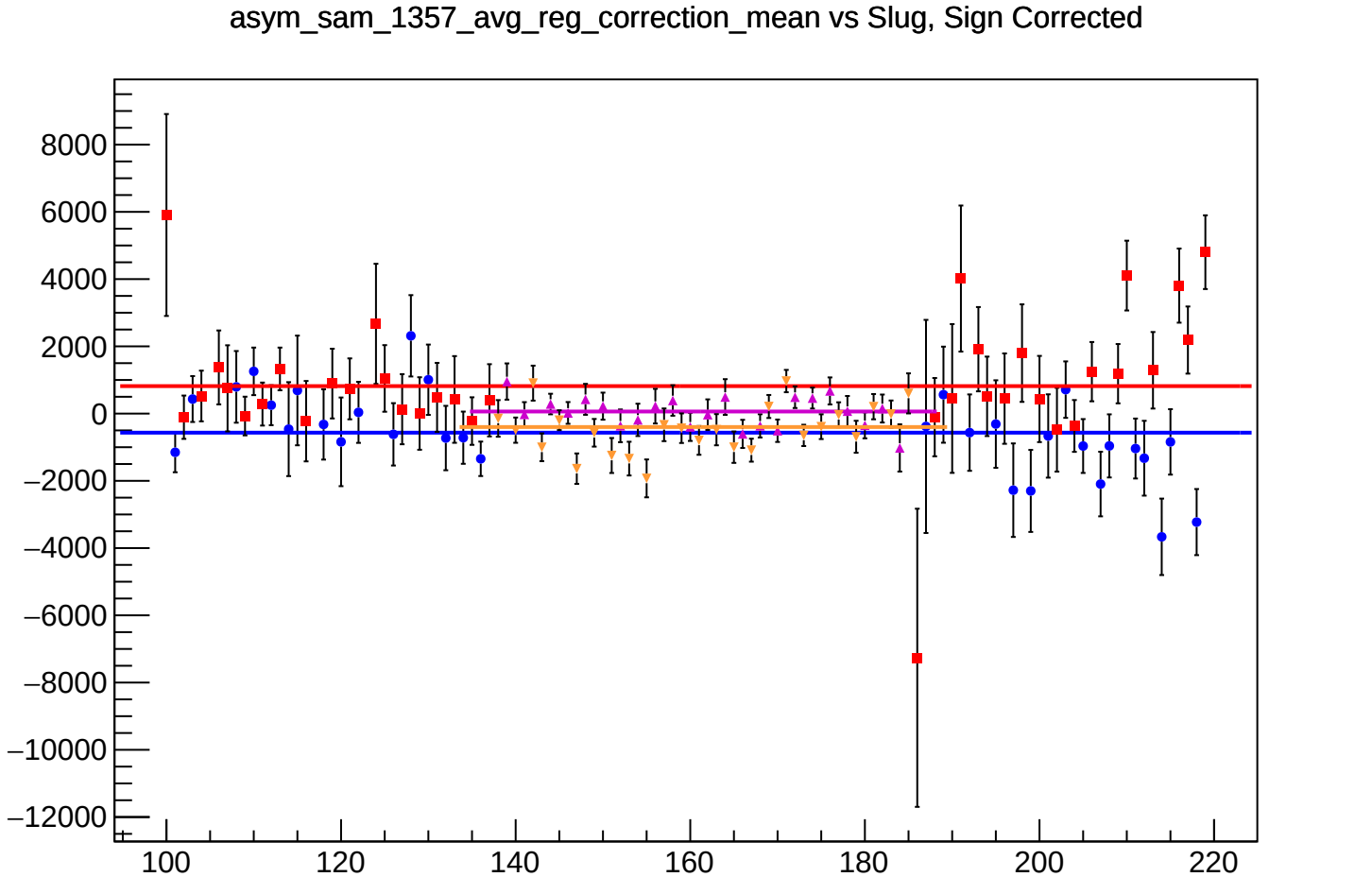
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 67.908+/-0.008 χ^2/NDF: 12910852.8/68

In: 56.490+/-0.007 χ^2/NDF:7621754.9/54

Out: 55.992+/-0.007 χ^2/NDF:9380300.8/61

All: 56.234+/-0.005 χ^2/NDF: 17004790.0/116



Right In: -567.299+/-163.232 χ^2/NDF: 49.8/31

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: 817.532+/-163.292 χ^2/NDF: 58.6/36

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

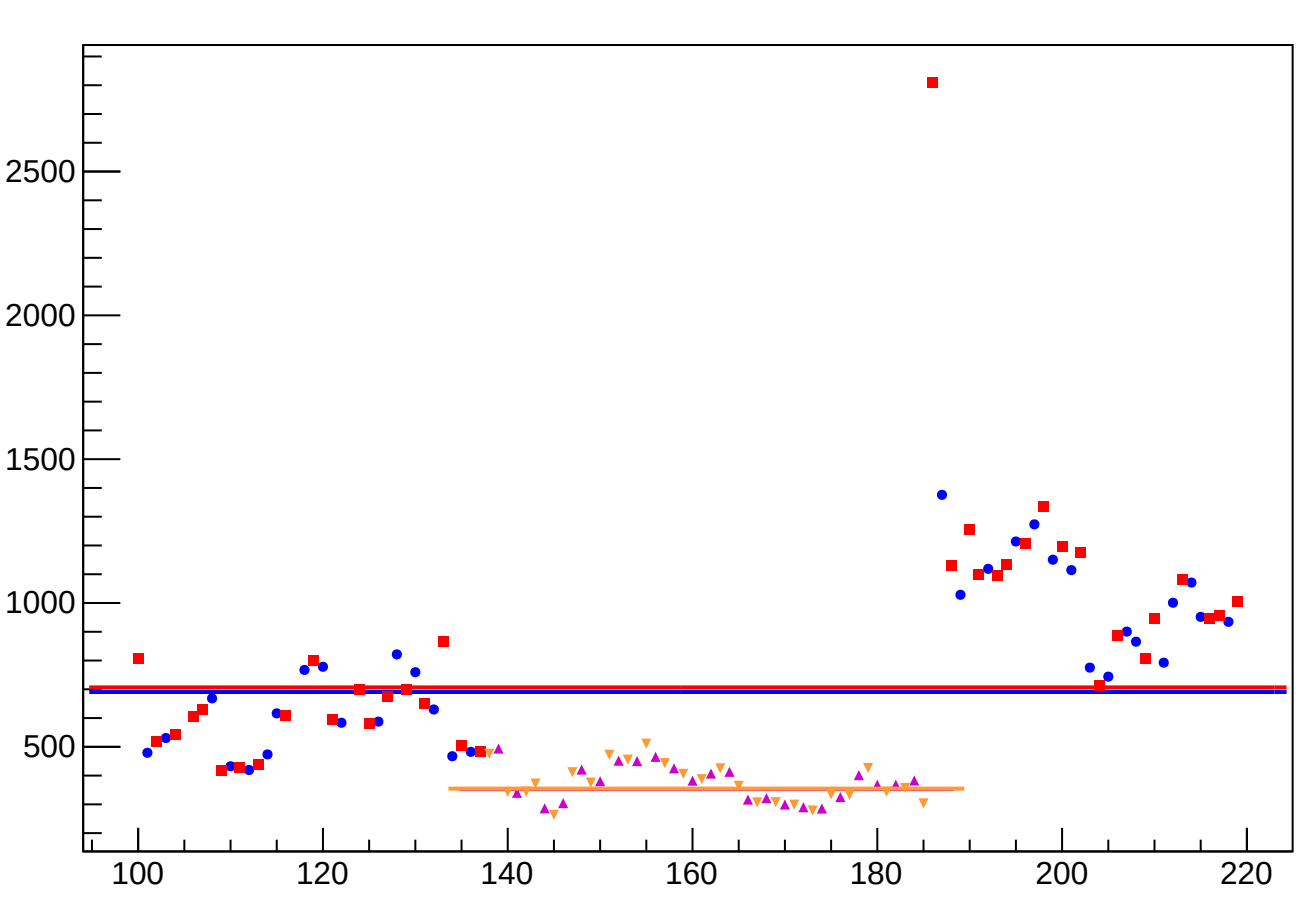
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 124.862+/-115.444 χ^2/NDF: 144.4/68

In: -69.460+/-74.615 χ^2/NDF:85.5/54

Out: -153.993+/-73.325 χ^2/NDF:168.4/61

All: -112.463+/-52.299 χ^2/NDF: 254.5/116



Right In: 690.623+/-0.115 χ^2/NDF: 4256645.4/31

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 706.598+/-0.115 χ^2/NDF: 5313333.4/36

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

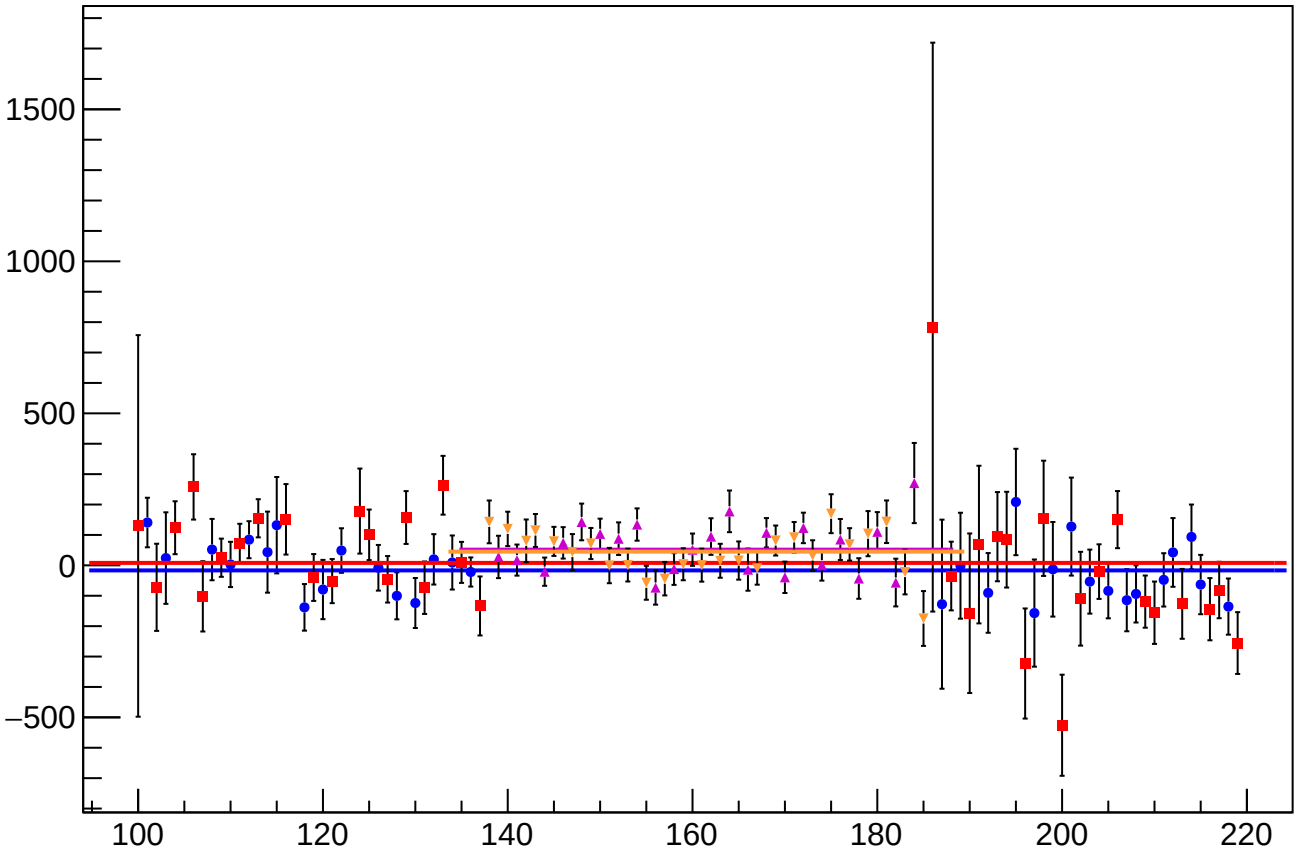
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 698.608+/-0.082 χ^2/NDF: 9579553.7/68

In: 423.632+/-0.053 χ^2/NDF:12024768.1/54

Out: 425.632+/-0.052 χ^2/NDF:13875433.2/61

All: 424.649+/-0.037 χ^2/NDF: 25900931.7/11



Right In: -16.621+/-16.460 χ^2/NDF: 24.3/31

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 8.065+/-16.261 χ^2/NDF: 68.9/36

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

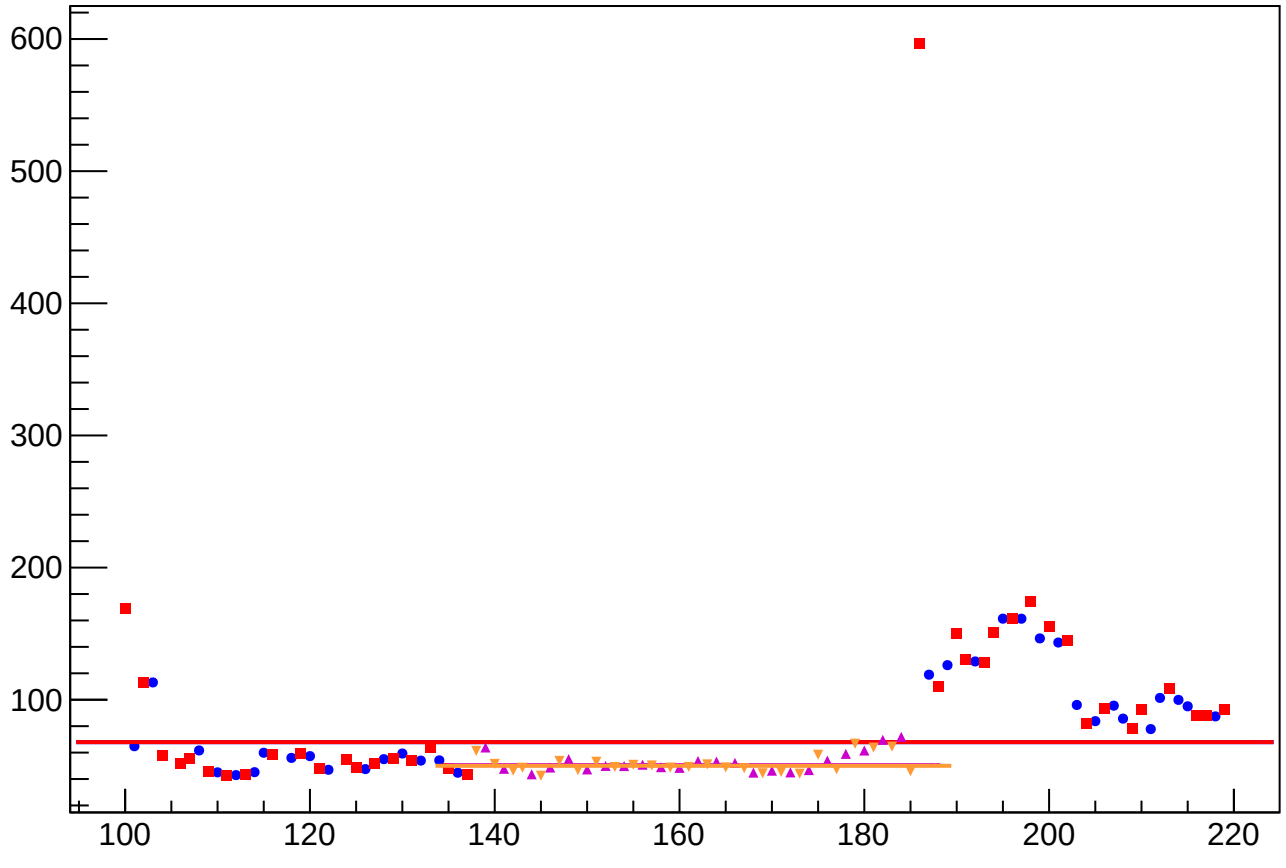
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: -4.128+/-11.568 χ^2/NDF: 94.3/68

In: 28.119+/-9.659 χ^2/NDF:71.4/54

Out: 32.758+/-9.386 χ^2/NDF:103.7/61

All: 30.505+/-6.731 χ^2/NDF: 175.2/116



Right In: 67.873+/-0.012 χ^2/NDF: 5659527.0/31

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 67.936+/-0.011 χ^2/NDF: 7253212.8/36

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

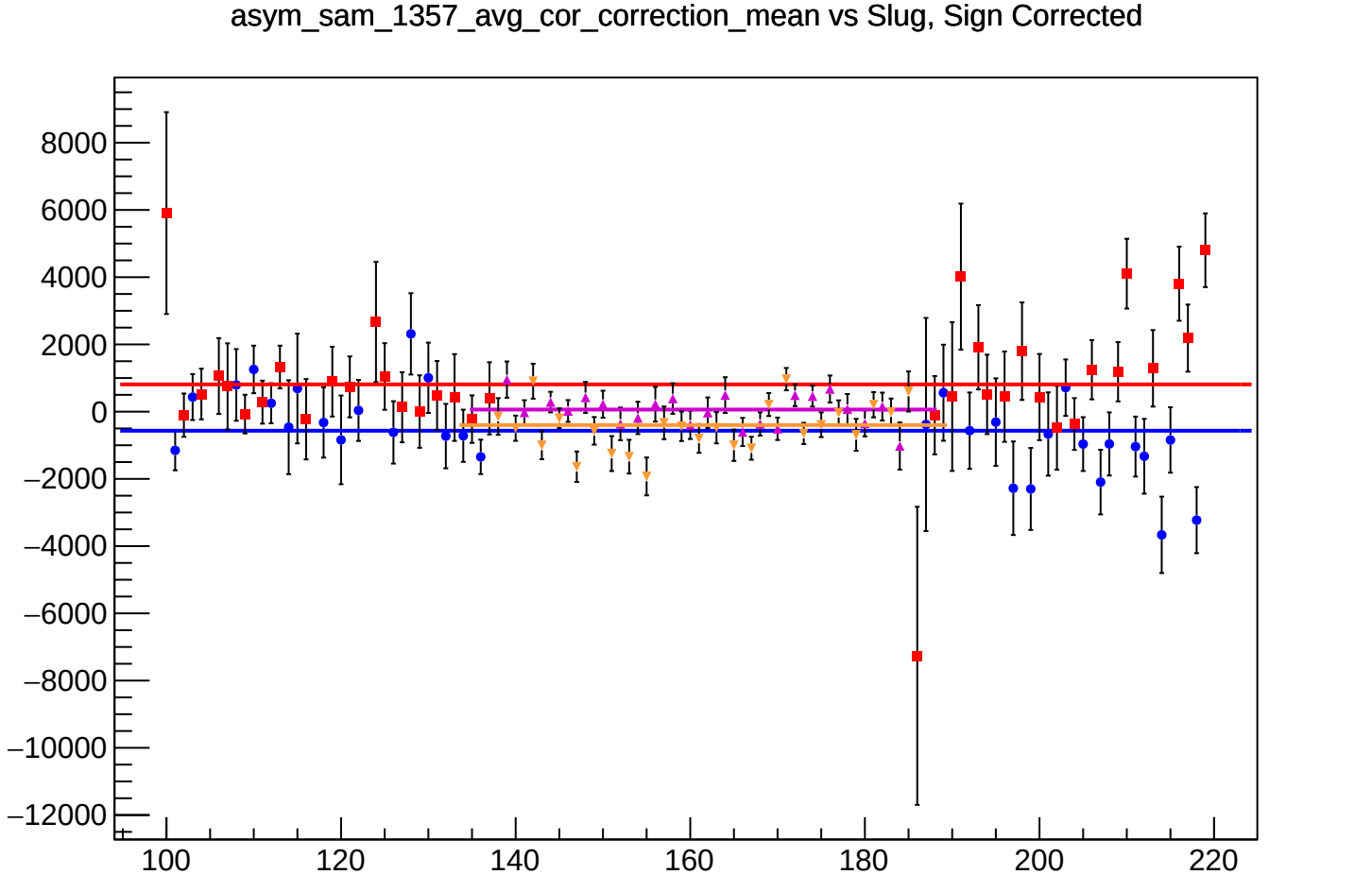
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 67.905+/-0.008 χ^2/NDF: 12912754.4/68

In: 56.490+/-0.007 χ^2/NDF:7621757.2/54

Out: 55.990+/-0.007 χ^2/NDF:9380991.2/61

All: 56.233+/-0.005 χ^2/NDF: 17005508.1/116



Right In: -567.289+/-163.233 χ^2/NDF: 49.8/31

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 810.692+/-163.391 χ^2/NDF: 58.4/36

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

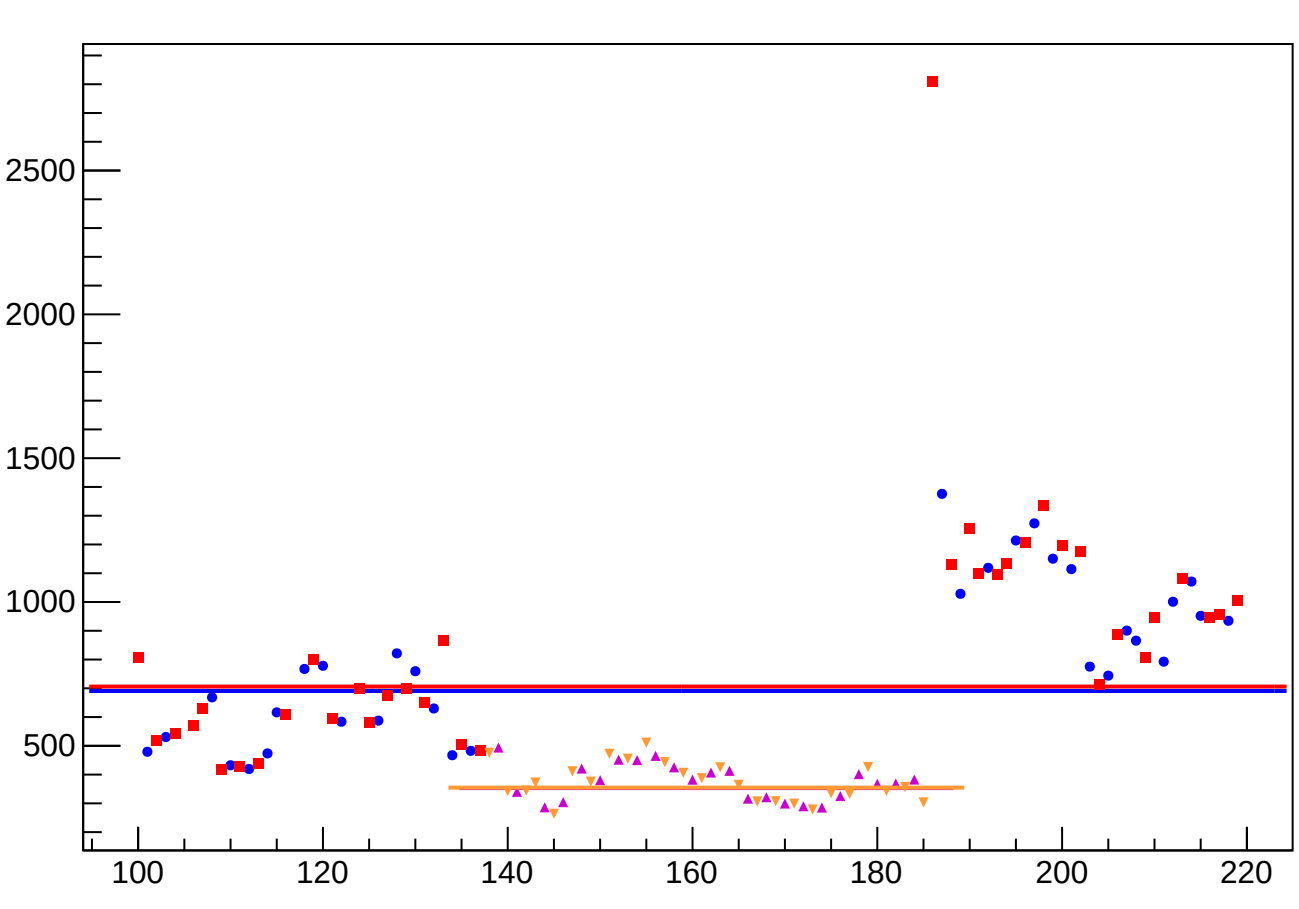
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 121.035+/-115.479 χ^2/NDF: 143.8/68

In: -69.457+/-74.615 χ^2/NDF:85.5/54

Out: -155.604+/-73.334 χ^2/NDF:167.6/61

All: -113.277+/-52.302 χ^2/NDF: 253.7/116



Right In: 690.628+/-0.115 χ^2/NDF: 4256544.9/31

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 706.017+/-0.116 χ^2/NDF: 5324471.5/36

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

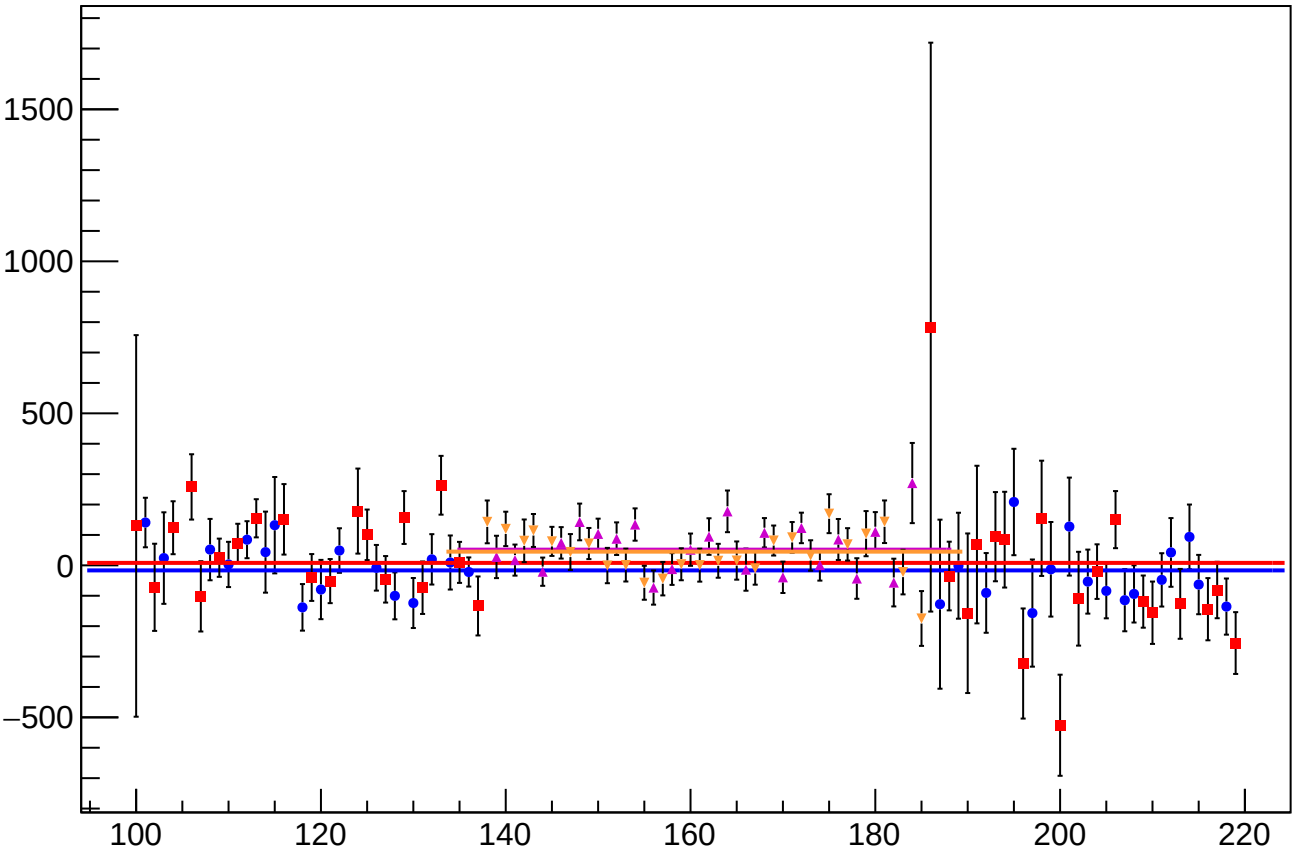
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 698.315+/-0.082 χ^2/NDF: 9589895.7/68

In: 423.633+/-0.053 χ^2/NDF:12024811.8/54

Out: 425.446+/-0.052 χ^2/NDF:13854947.9/61

All: 424.555+/-0.037 χ^2/NDF: 25880360.3/1



Right In: -16.621+/-16.460 χ^2/NDF: 24.3/31

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 8.065+/-16.261 χ^2/NDF: 68.9/36

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

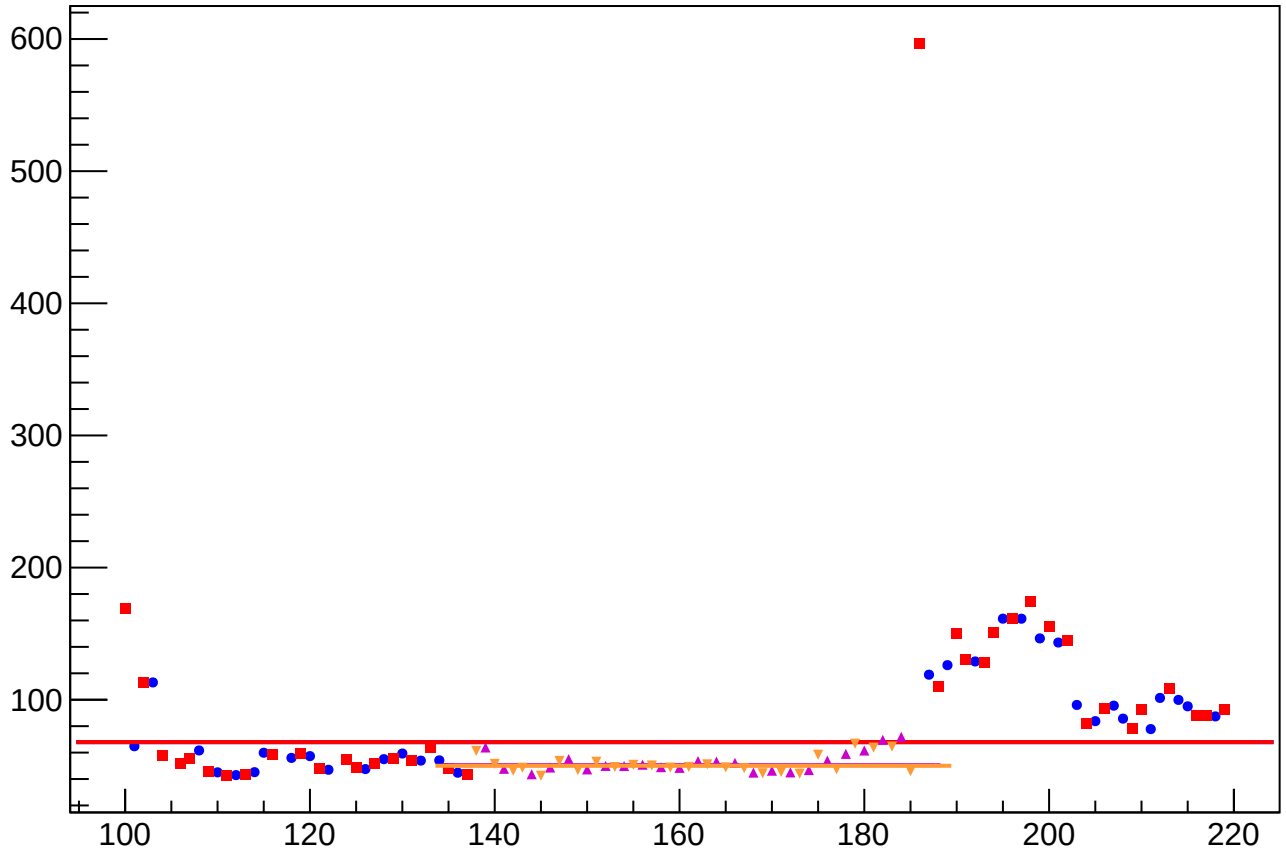
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: -4.128+/-11.568 χ^2/NDF: 94.3/68

In: 28.119+/-9.659 χ^2/NDF:71.4/54

Out: 32.758+/-9.386 χ^2/NDF:103.7/61

All: 30.505+/-6.731 χ^2/NDF: 175.2/116



Right In: 67.873+/-0.012 χ^2/NDF: 5659527.0/31

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 67.936+/-0.011 χ^2/NDF: 7253212.8/36

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

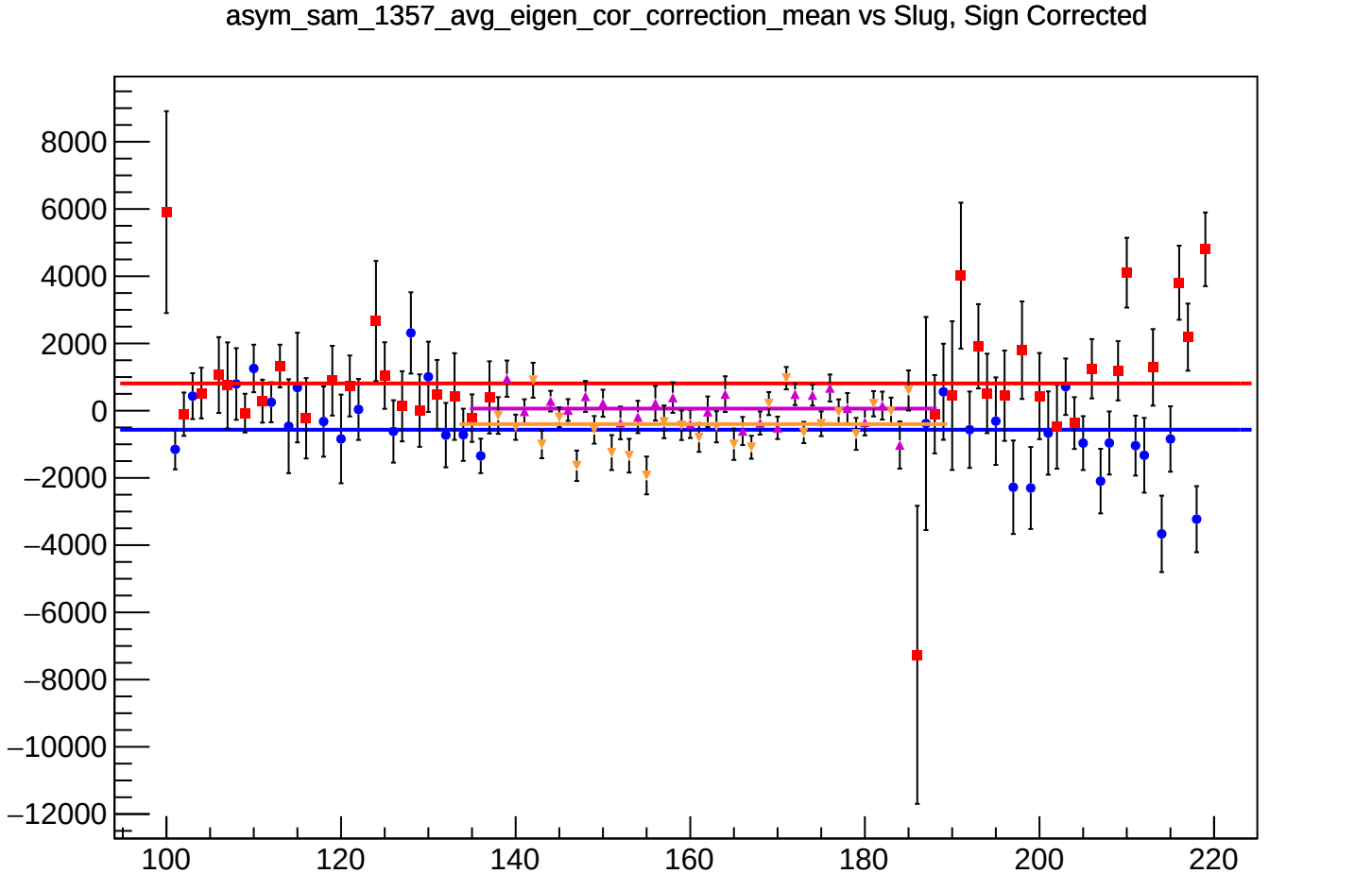
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 67.905+/-0.008 χ^2/NDF: 12912754.4/68

In: 56.490+/-0.007 χ^2/NDF:7621757.2/54

Out: 55.990+/-0.007 χ^2/NDF:9380991.2/61

All: 56.233+/-0.005 χ^2/NDF: 17005508.1/116



Right In: -567.289+/-163.233 χ^2/NDF: 49.8/31

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 810.692+/-163.391 χ^2/NDF: 58.4/36

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

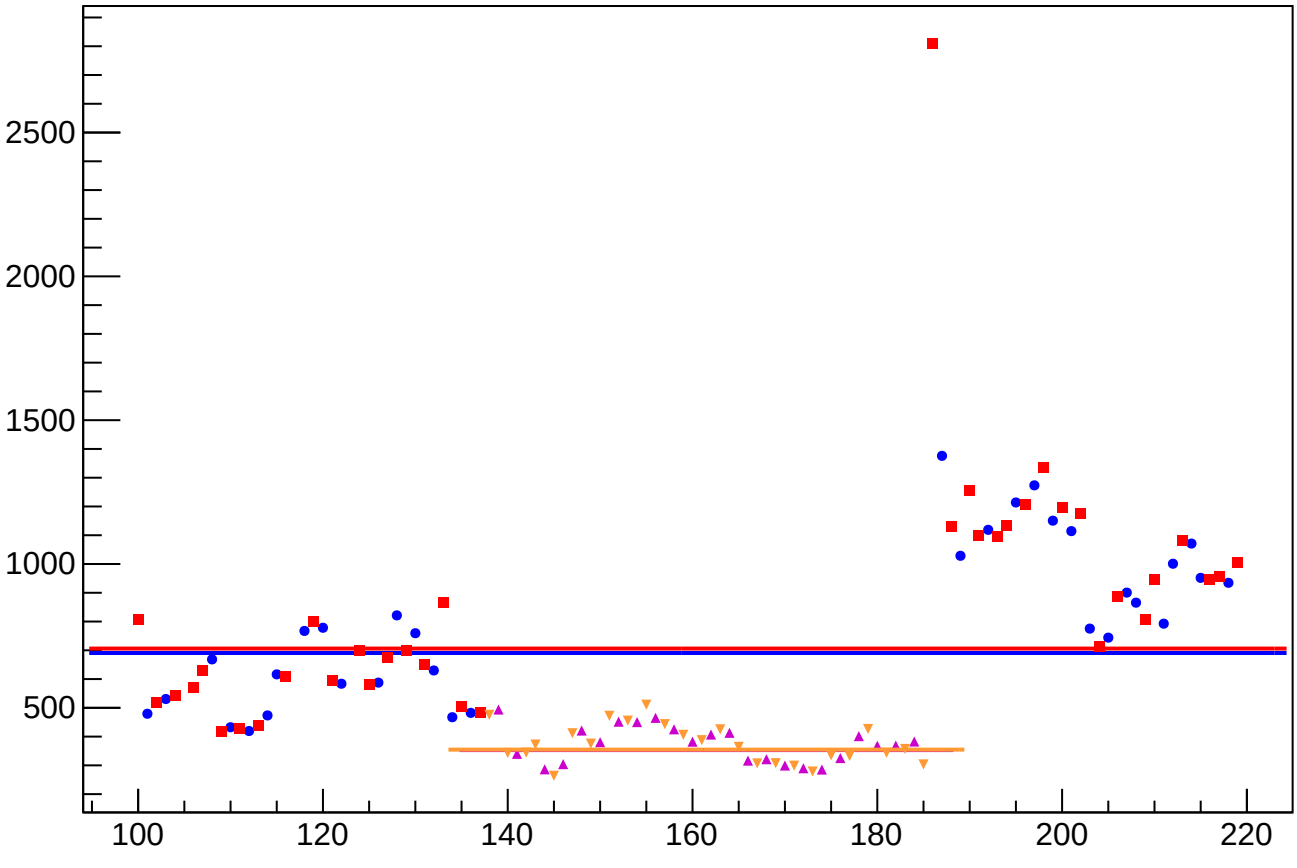
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 121.035+/-115.479 χ^2/NDF: 143.8/68

In: -69.457+/-74.615 χ^2/NDF:85.5/54

Out: -155.604+/-73.334 χ^2/NDF:167.6/61

All: -113.277+/-52.302 χ^2/NDF: 253.7/116



Right In: 690.628+/-0.115 χ^2/NDF: 4256544.9/31

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 706.017+/-0.116 χ^2/NDF: 5324471.5/36

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

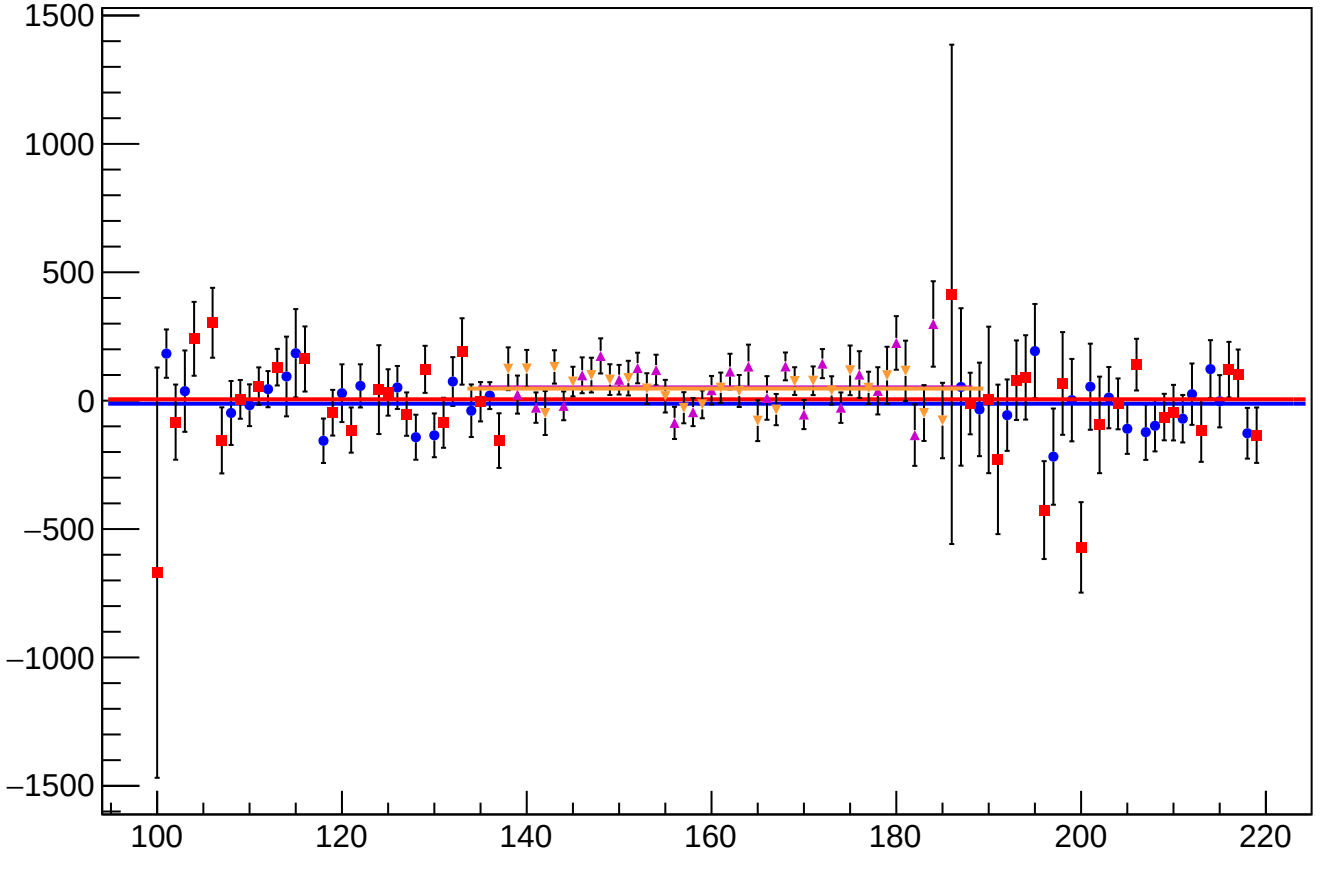
Right: 698.315+/-0.082 χ^2/NDF: 9589895.7/68

In: 423.633+/-0.053 χ^2/NDF:12024811.8/54

Out: 425.446+/-0.052 χ^2/NDF:13854947.9/61

All: 424.555+/-0.037 χ^2/NDF: 25880360.3/11

dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: -11.762+/-18.167 χ^2/NDF: 25.5/31

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 5.347+/-18.362 χ^2/NDF: 49.9/36

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

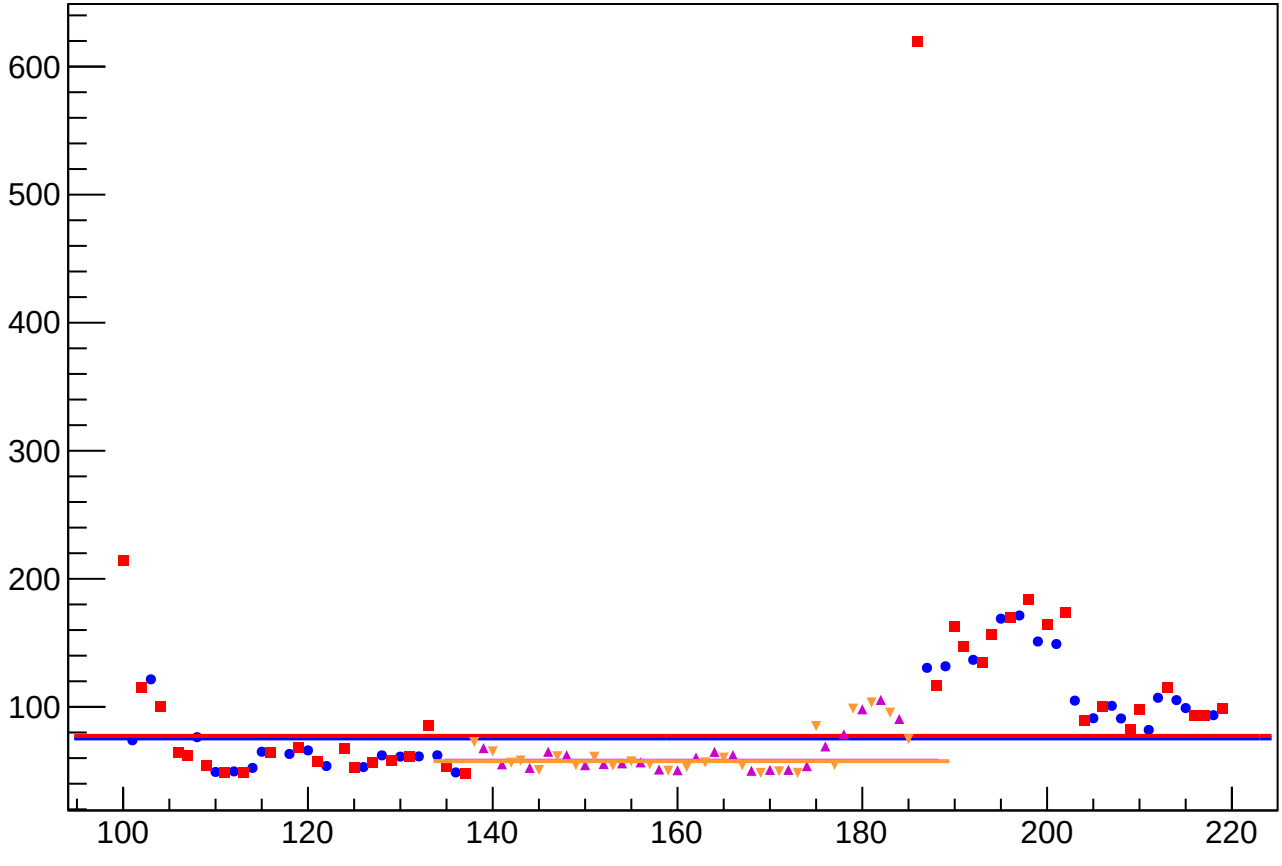
Right: -3.299+/-12.914 χ^2/NDF: 75.8/68

In: 28.165+/-11.056 χ^2/NDF:71.4/54

Out: 32.467+/-10.883 χ^2/NDF:70.2/61

All: 30.350+/-7.756 χ^2/NDF: 141.7/116

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 75.389+/-0.013 χ^2/NDF: 5039001.4/31

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 77.355+/-0.013 χ^2/NDF: 6515171.2/36

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

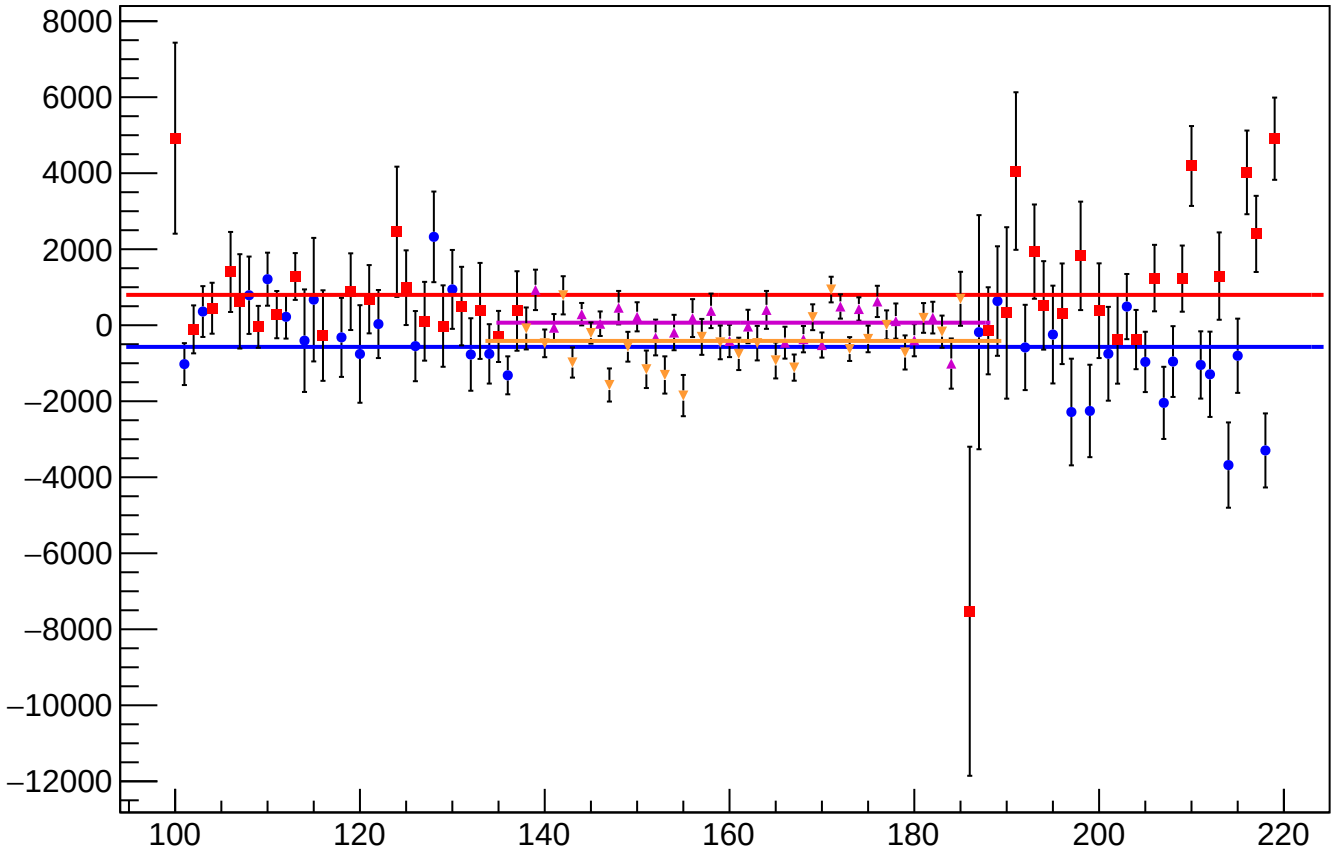
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 76.361+/-0.009 χ^2/NDF: 11565768.5/68

In: 64.402+/-0.008 χ^2/NDF:7325122.7/54

Out: 64.559+/-0.008 χ^2/NDF:9377824.3/61

All: 64.482+/-0.005 χ^2/NDF: 16703151.8/116



Right In: -570.090+/-160.433 χ^2/NDF: 49.1/31

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 798.519+/-159.231 χ^2/NDF: 63.3/36

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

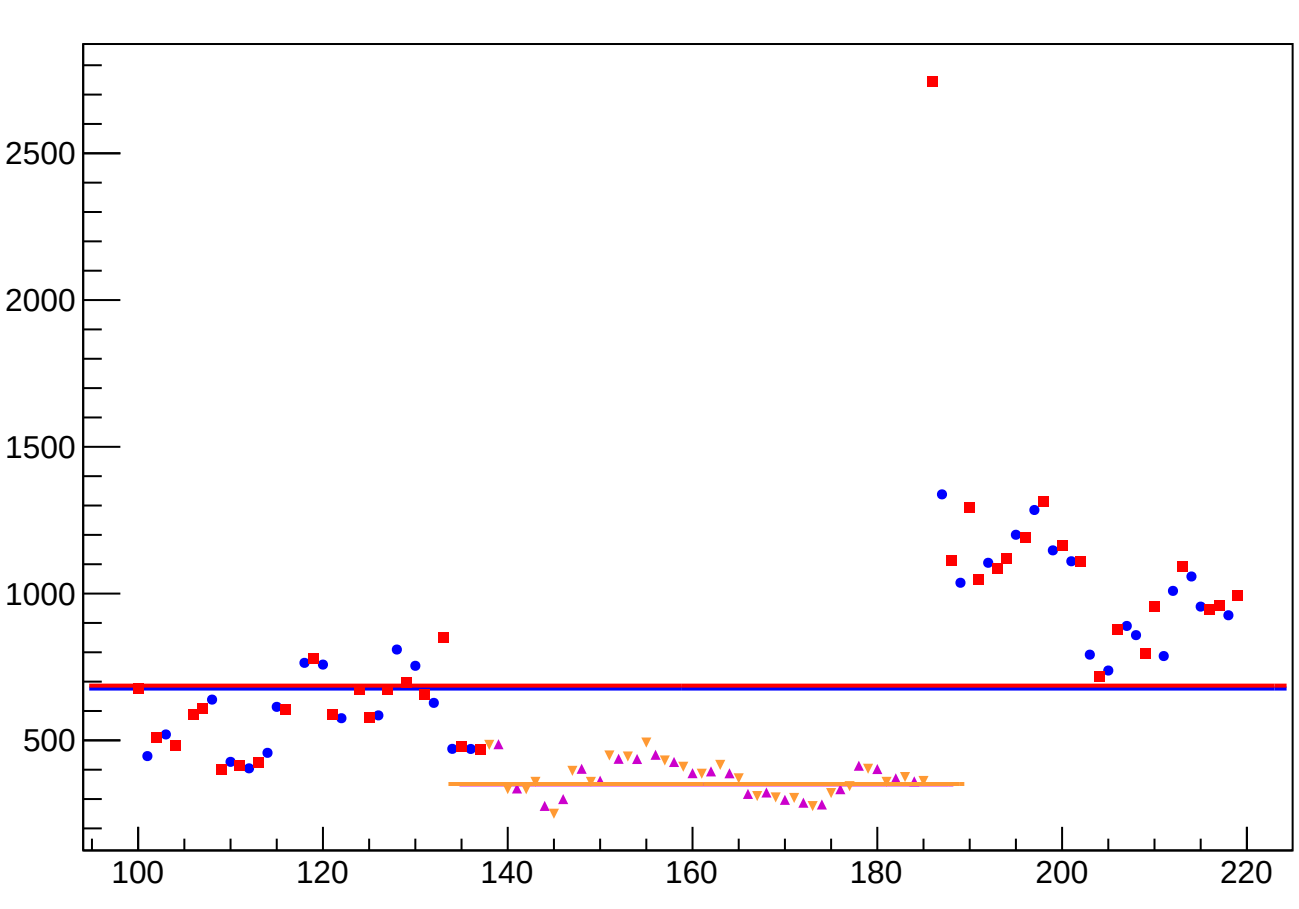
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 119.361+/-113.016 χ^2/NDF: 149.1/68

In: -68.010+/-73.776 χ^2/NDF:84.4/54

Out: -163.329+/-72.291 χ^2/NDF:170.6/61

All: -116.639+/-51.634 χ^2/NDF: 255.9/116



Right In: 676.384+/-0.113 χ^2/NDF: 4530986.0/31

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 686.431+/-0.113 χ^2/NDF: 5623784.7/36

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

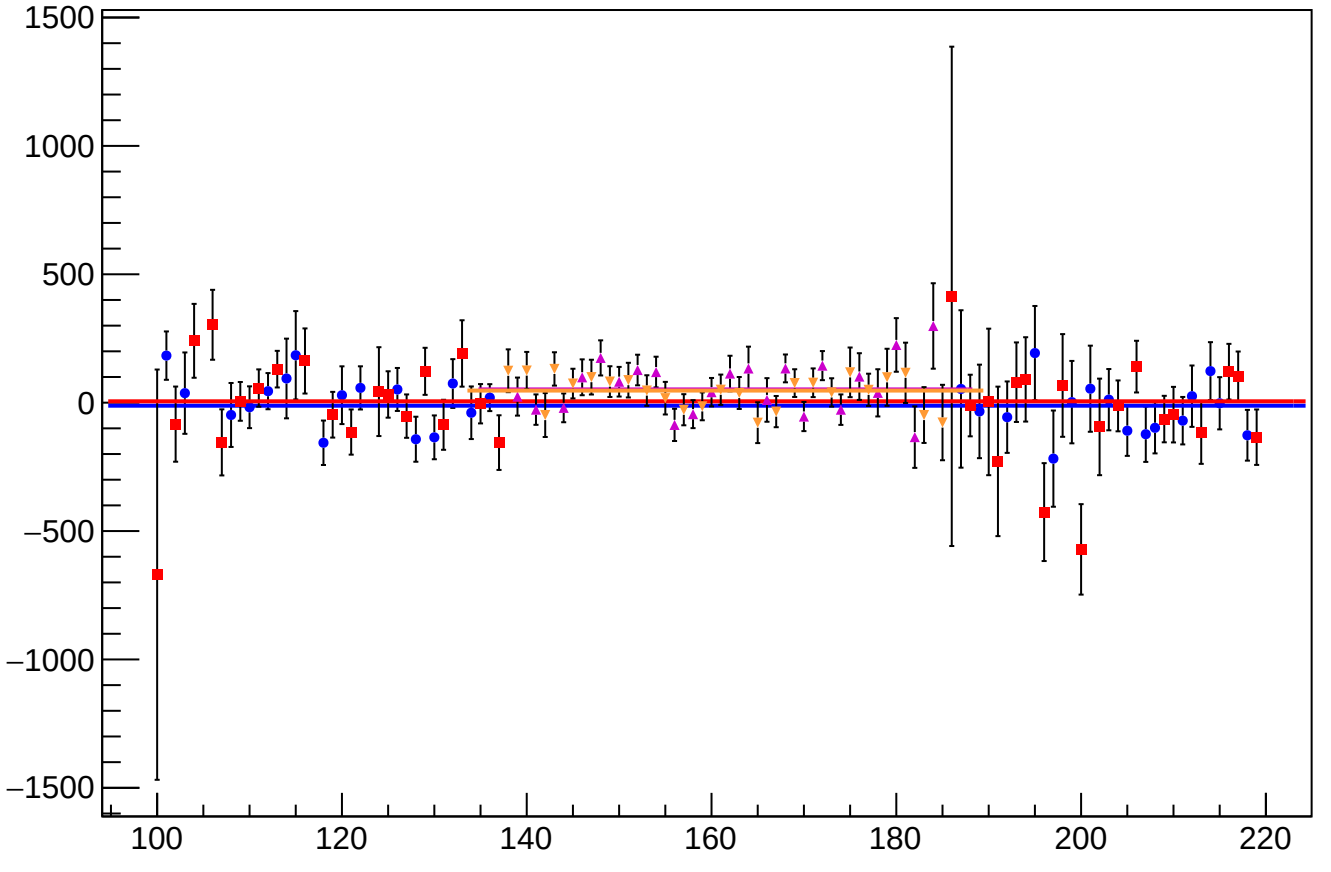
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 681.445+/-0.080 χ^2/NDF: 10158722.3/68

In: 418.872+/-0.052 χ^2/NDF:12055928.2/54

Out: 420.347+/-0.051 χ^2/NDF:13776877.3/61

All: 419.625+/-0.037 χ^2/NDF: 25833213.5/11



Right In: -11.762+/-18.167 χ^2/NDF: 25.5/31

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 5.346+/-18.362 χ^2/NDF: 49.9/36

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

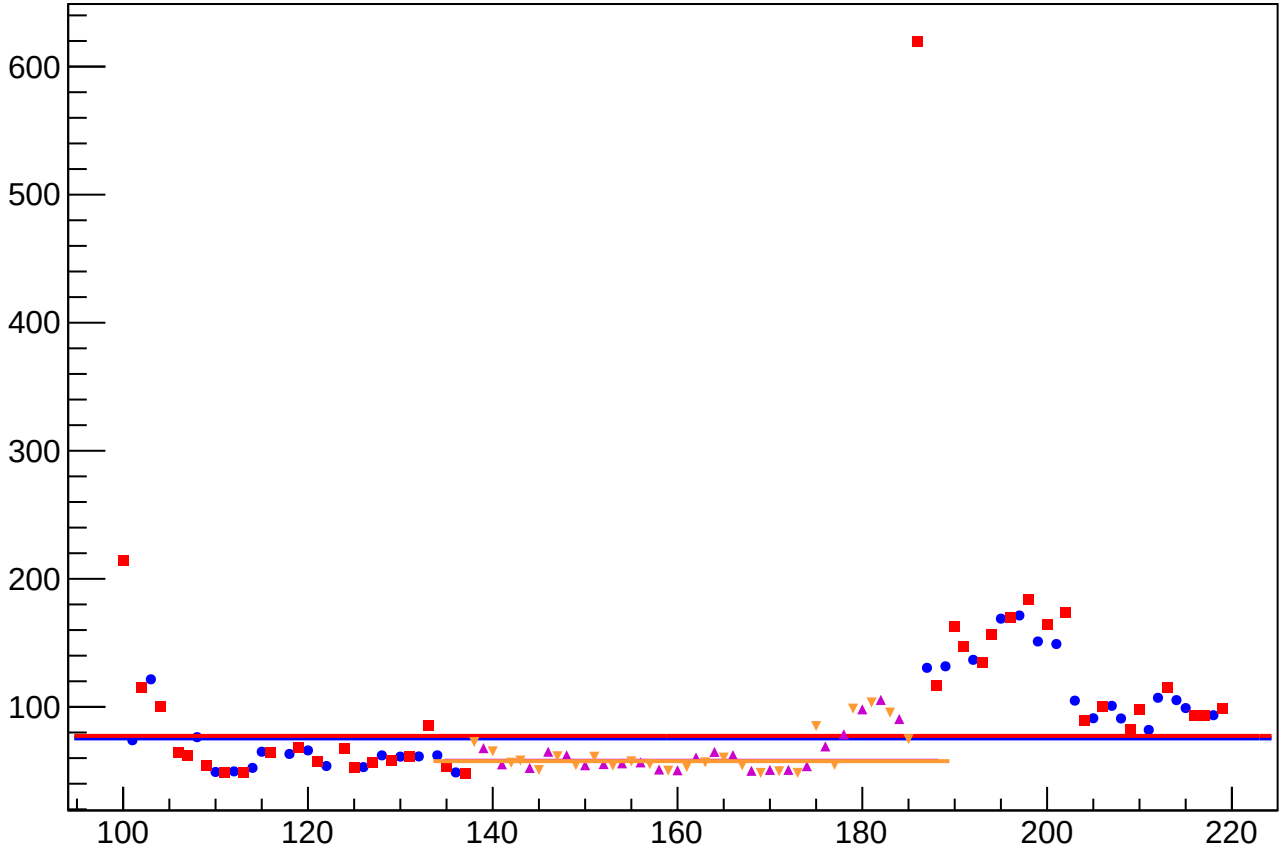
Right: -3.299+/-12.914 χ^2/NDF: 75.8/68

In: 28.165+/-11.056 χ^2/NDF:71.4/54

Out: 32.466+/-10.883 χ^2/NDF:70.2/61

All: 30.350+/-7.756 χ^2/NDF: 141.7/116

eigen_dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 75.389+/-0.013 χ^2/NDF: 5038973.7/31

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 77.356+/-0.013 χ^2/NDF: 6515147.0/36

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

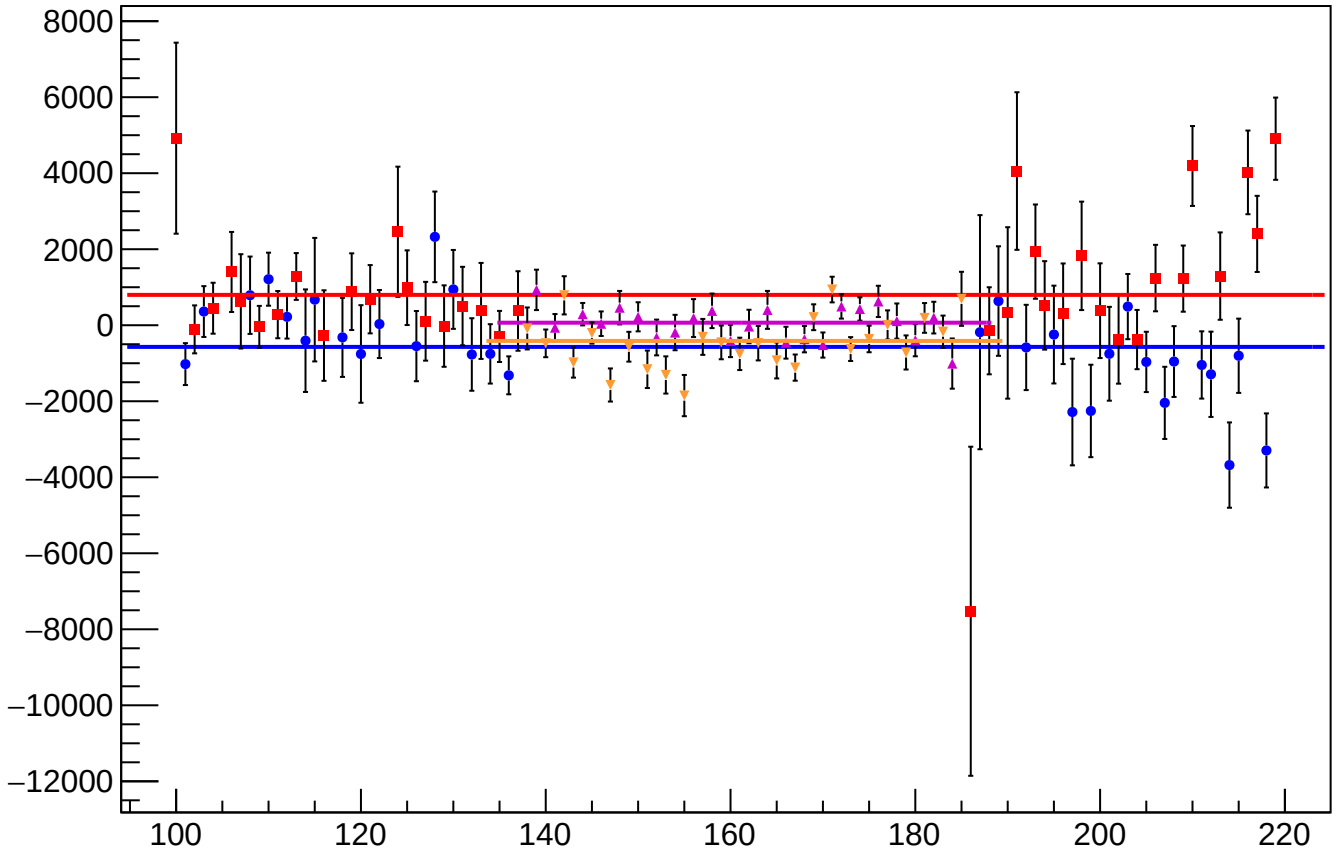
Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

Right: 76.362+/-0.009 χ^2/NDF: 11565716.8/68

In: 64.403+/-0.008 χ^2/NDF:7325074.1/54

Out: 64.560+/-0.008 χ^2/NDF:9377792.2/61

All: 64.482+/-0.005 χ^2/NDF: 16703071.1/116



Right In: -570.088+/-160.433 χ^2/NDF: 49.1/31

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 798.517+/-159.231 χ^2/NDF: 63.3/36

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

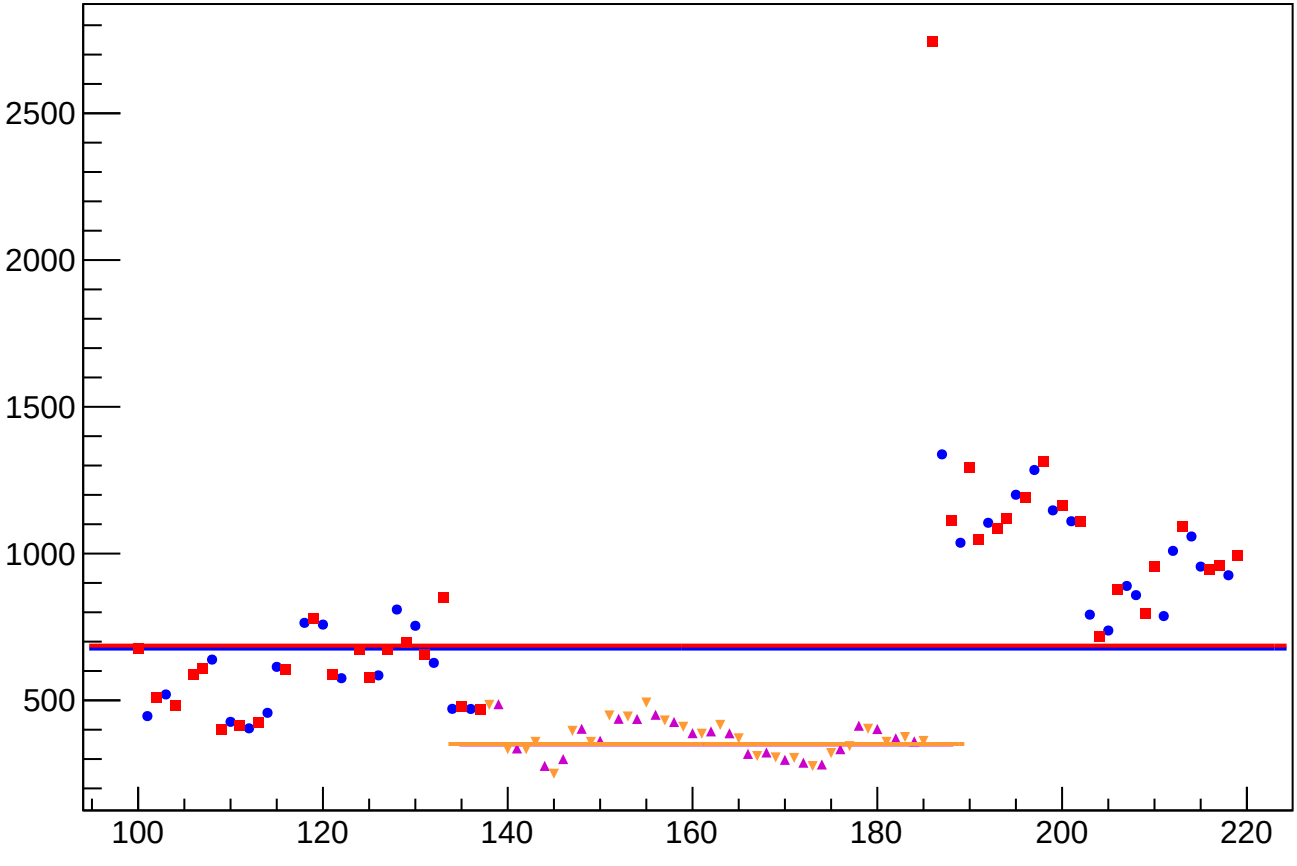
Right: 119.360+/-113.016 χ^2/NDF: 149.1/68

In: -68.011+/-73.776 χ^2/NDF:84.4/54

Out: -163.329+/-72.291 χ^2/NDF:170.6/61

All: -116.639+/-51.634 χ^2/NDF: 255.9/116

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 676.382+/-0.113 χ^2/NDF: 4530999.1/31

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 686.430+/-0.113 χ^2/NDF: 5623794.2/36

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

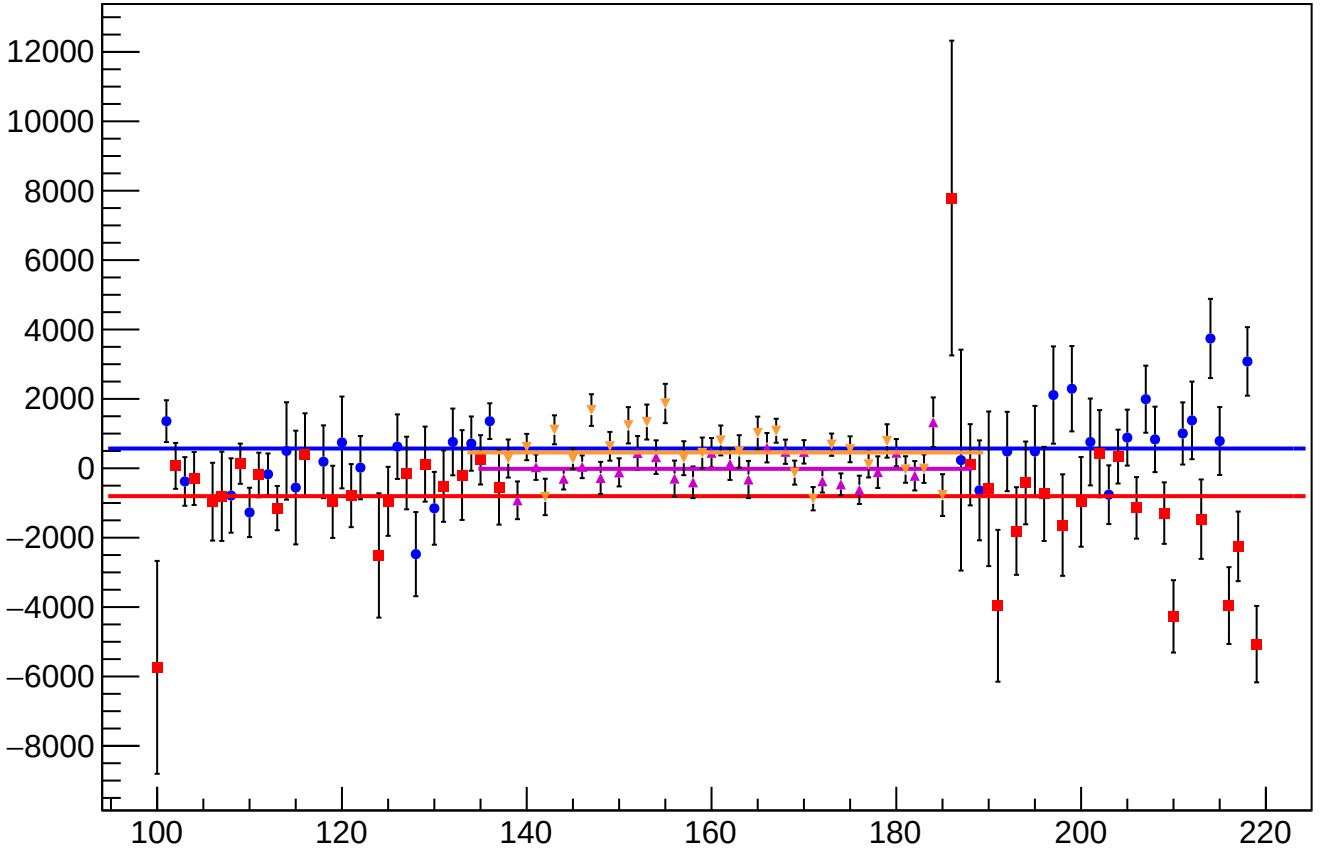
Right: 681.444+/-0.080 χ^2/NDF: 10158744.9/68

In: 418.872+/-0.052 χ^2/NDF:12055913.2/54

Out: 420.347+/-0.051 χ^2/NDF:13776866.2/61

All: 419.624+/-0.037 χ^2/NDF: 25833187.3/11

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 569.900+/-164.463 χ^2/NDF: 49.5/31

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: -802.717+/-164.522 χ^2/NDF: 61.7/36

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

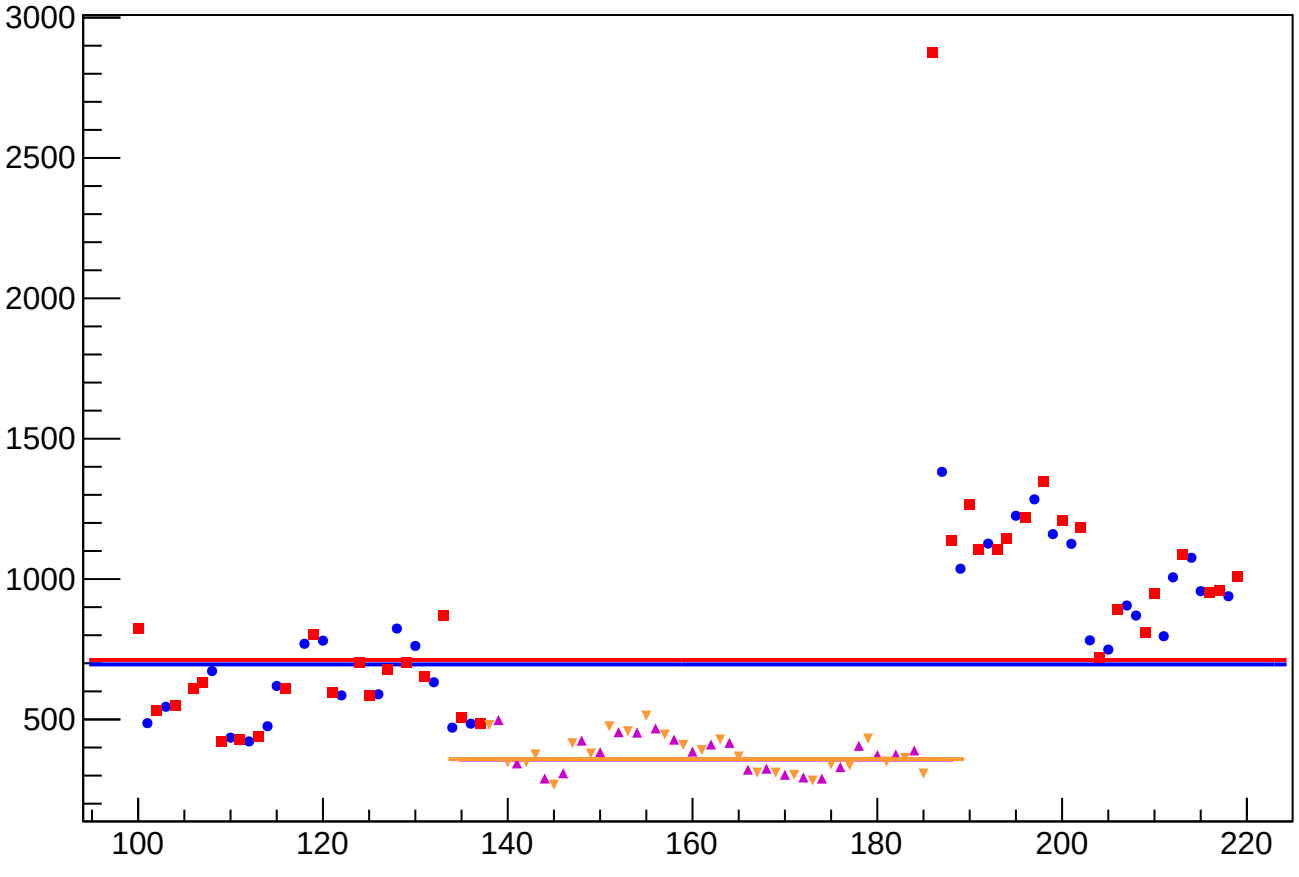
Right: -116.160+/-116.314 χ^2/NDF: 146.0/68

In: 107.066+/-75.392 χ^2/NDF:84.4/54

Out: 200.219+/-74.076 χ^2/NDF:169.1/61

All: 154.462+/-52.839 χ^2/NDF: 254.3/116

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 696.039+/-0.116 χ^2/NDF: 4232584.8/31

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 711.886+/-0.116 χ^2/NDF: 5300301.4/36

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

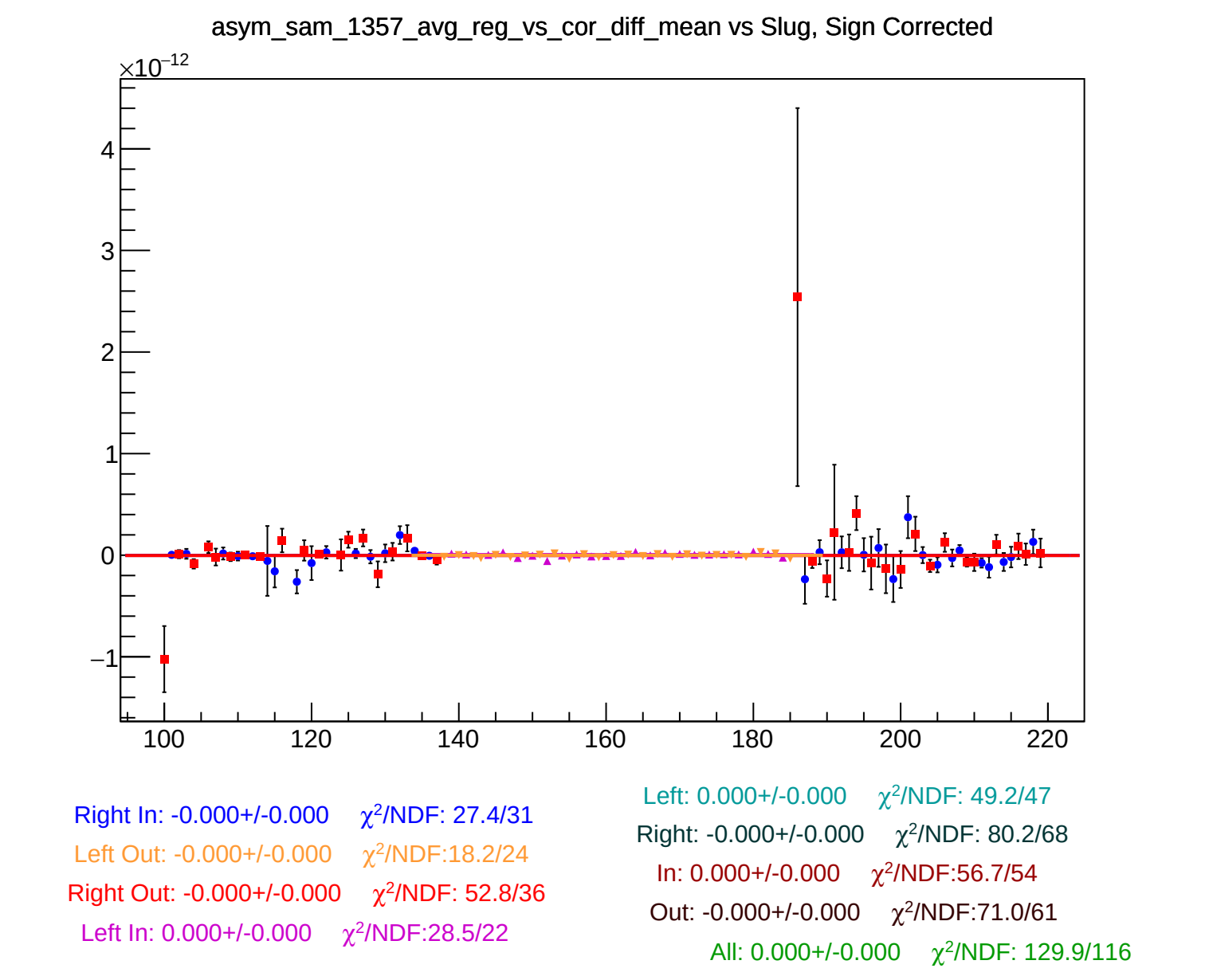
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

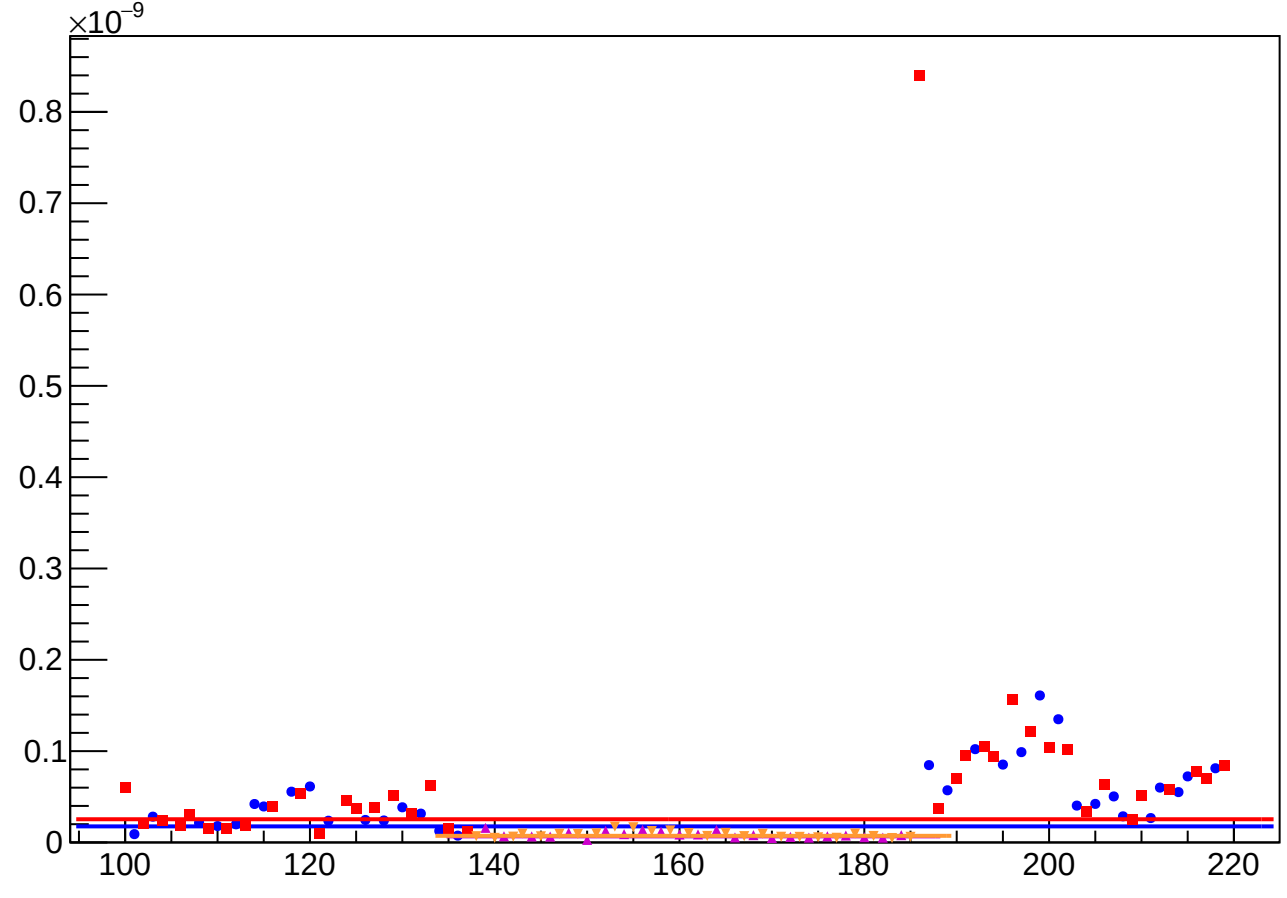
Right: 703.959+/-0.082 χ^2/NDF: 9542167.7/68

In: 428.391+/-0.053 χ^2/NDF:11920395.6/54

Out: 430.280+/-0.052 χ^2/NDF:13769263.9/61

All: 429.352+/-0.037 χ^2/NDF: 25690298.7/11


asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 27.4/31
Left Out: -0.000+/-0.000 χ²/NDF:18.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 52.8/36
Left In: 0.000+/-0.000 χ²/NDF:28.5/22
Left: 0.000+/-0.000 χ²/NDF: 49.2/47
Right: -0.000+/-0.000 χ²/NDF: 80.2/68
In: 0.000+/-0.000 χ²/NDF:56.7/54
Out: -0.000+/-0.000 χ²/NDF:71.0/61
All: 0.000+/-0.000 χ²/NDF: 129.9/116



Right In: 0.000+/-0.000 χ^2/NDF: 8137962.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6682108.8/36

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

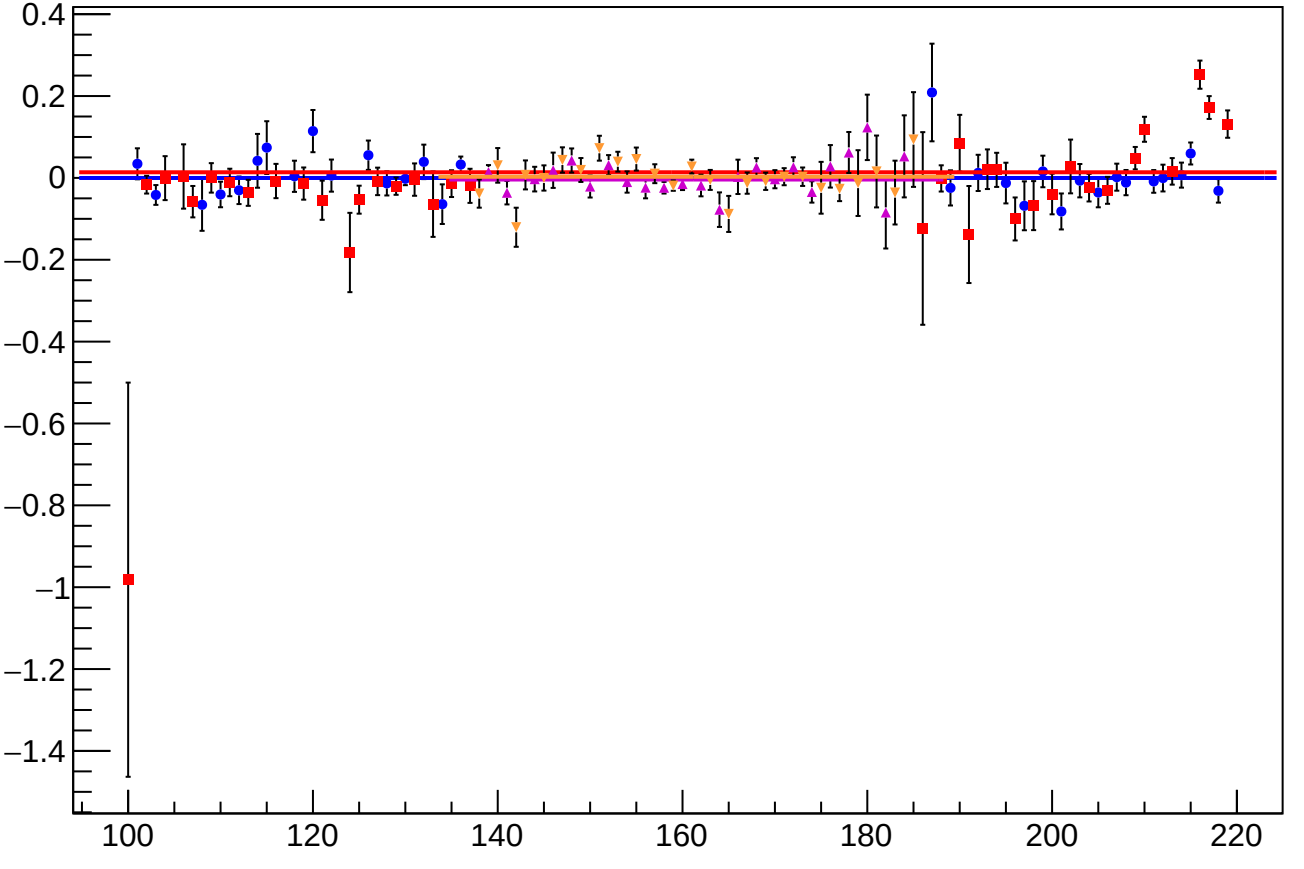
Right: 0.000+/-0.000 χ^2/NDF: 15472028.6/68

In: 0.000+/-0.000 χ^2/NDF:12919178.3/54

Out: 0.000+/-0.000 χ^2/NDF:13407335.7/61

All: 0.000+/-0.000 χ^2/NDF: 26387903.6/116

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.006 χ^2/NDF: 38.0/31

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.014+/-0.006 χ^2/NDF: 149.4/36

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

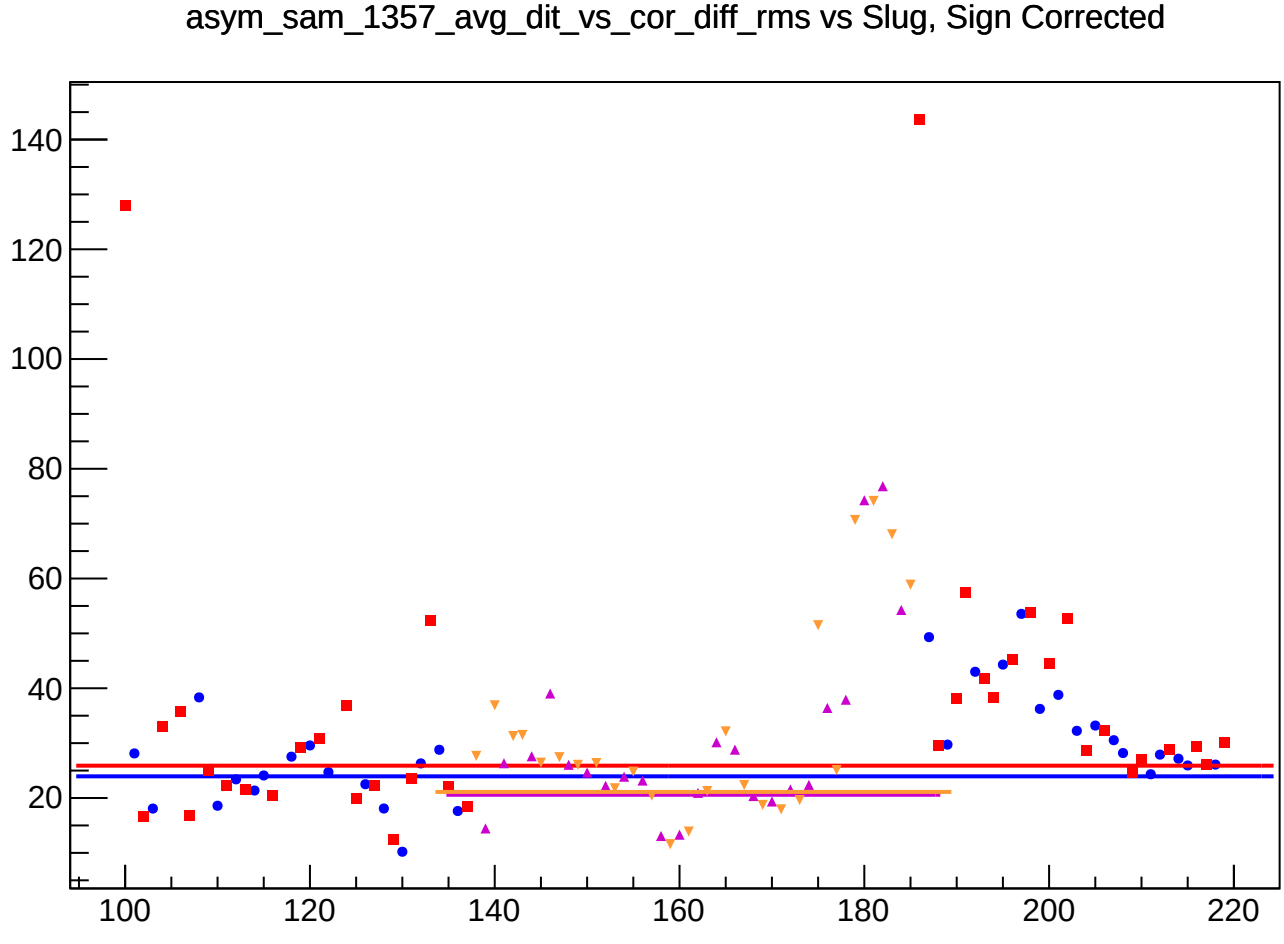
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: 0.006+/-0.004 χ^2/NDF: 190.0/68

In: -0.002+/-0.004 χ^2/NDF:62.8/54

Out: 0.008+/-0.004 χ^2/NDF:184.0/61

All: 0.003+/-0.003 χ^2/NDF: 249.7/116



Right In: 23.949+/-0.004 χ^2/NDF: 4385565.0/31

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 25.892+/-0.004 χ^2/NDF: 4626049.8/36

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

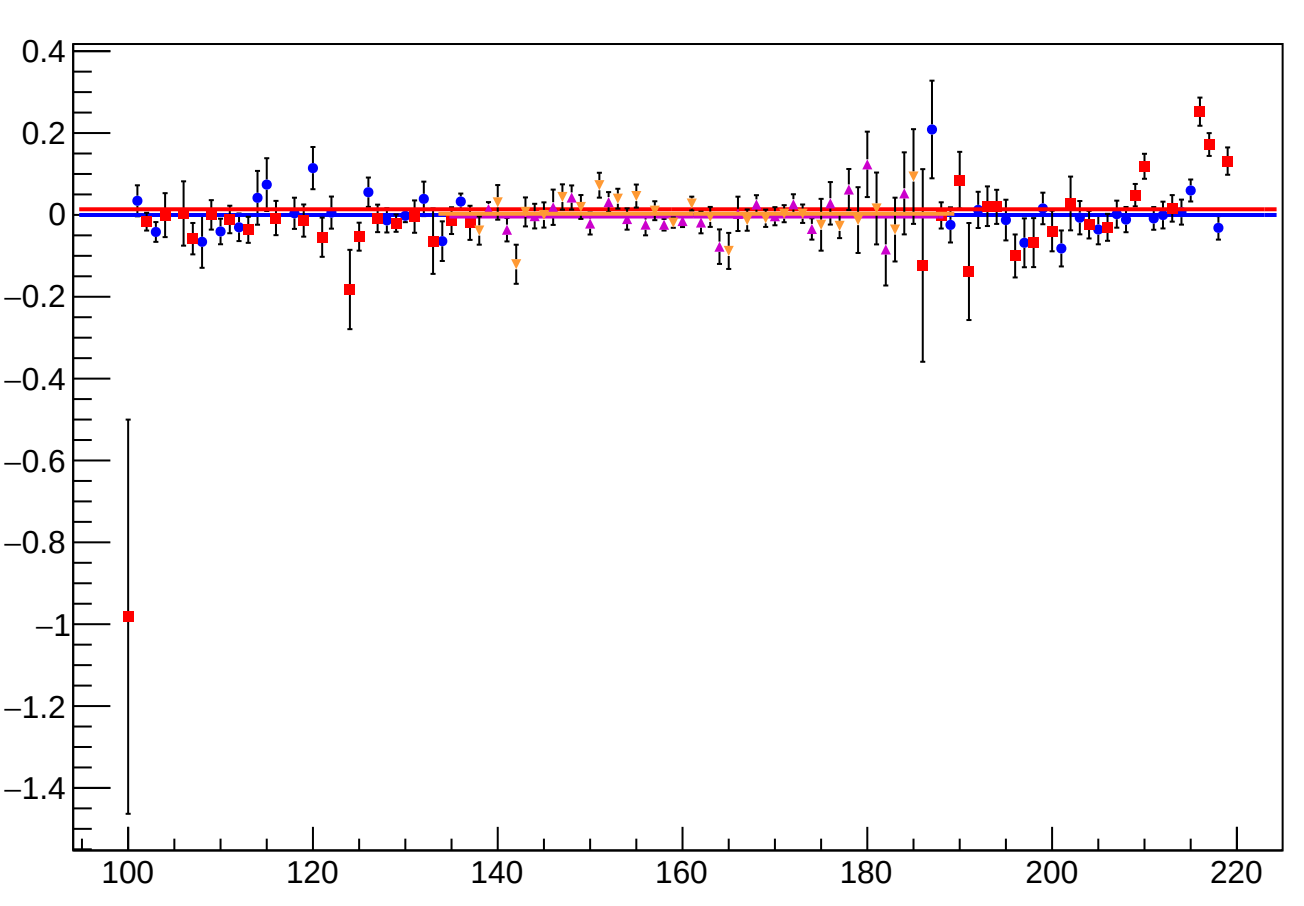
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 24.869+/-0.003 χ^2/NDF: 9113989.8/68

In: 22.131+/-0.003 χ^2/NDF:9335080.2/54

Out: 23.183+/-0.003 χ^2/NDF:10840052.4/61

All: 22.643+/-0.002 χ^2/NDF: 20242570.3/116



Right In: -0.000+/-0.006 χ^2/NDF: 38.0/31

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.014+/-0.006 χ^2/NDF: 149.4/36

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

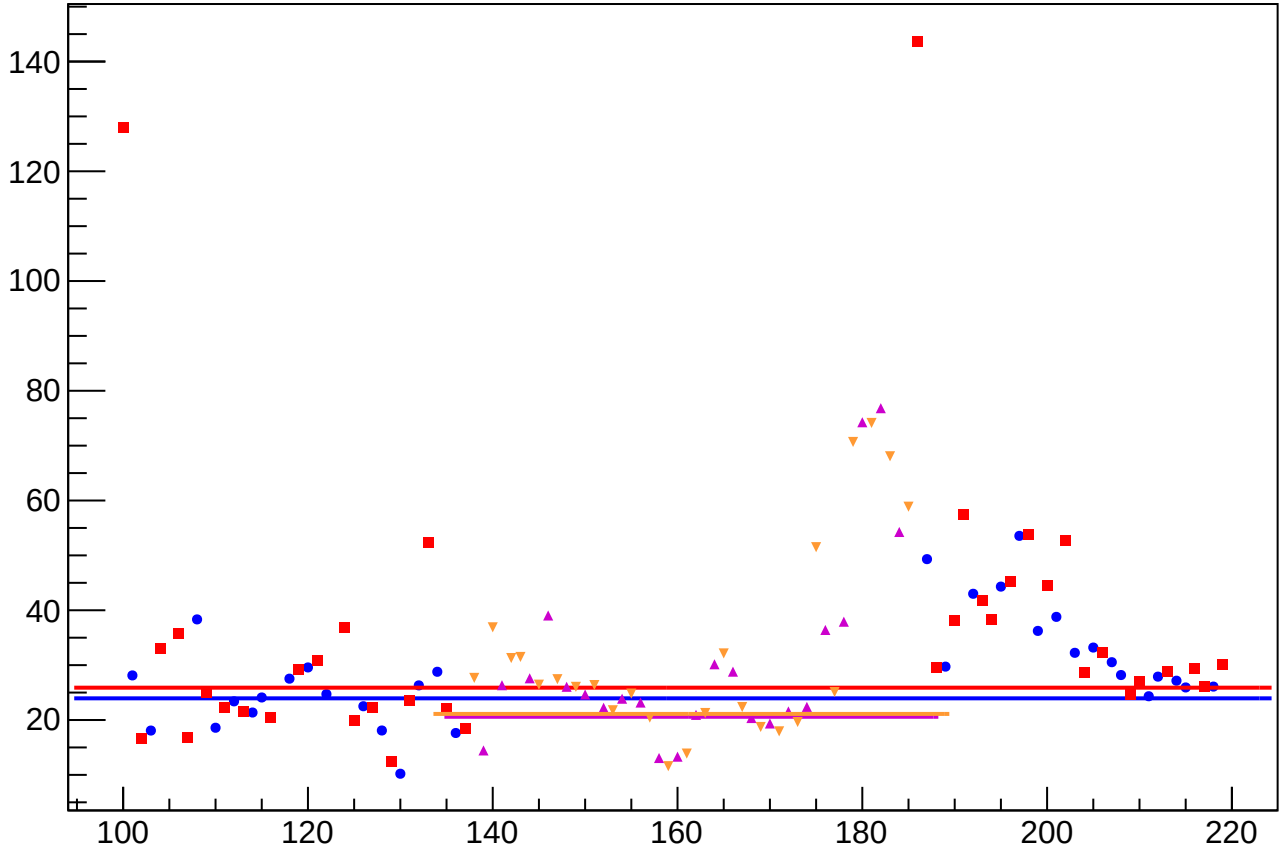
Right: 0.006+/-0.004 χ^2/NDF: 190.0/68

In: -0.002+/-0.004 χ^2/NDF:62.8/54

Out: 0.008+/-0.004 χ^2/NDF:184.0/61

All: 0.003+/-0.003 χ^2/NDF: 249.7/116

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.949+/-0.004 χ^2/NDF: 4385565.0/31

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 25.892+/-0.004 χ^2/NDF: 4626049.8/36

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

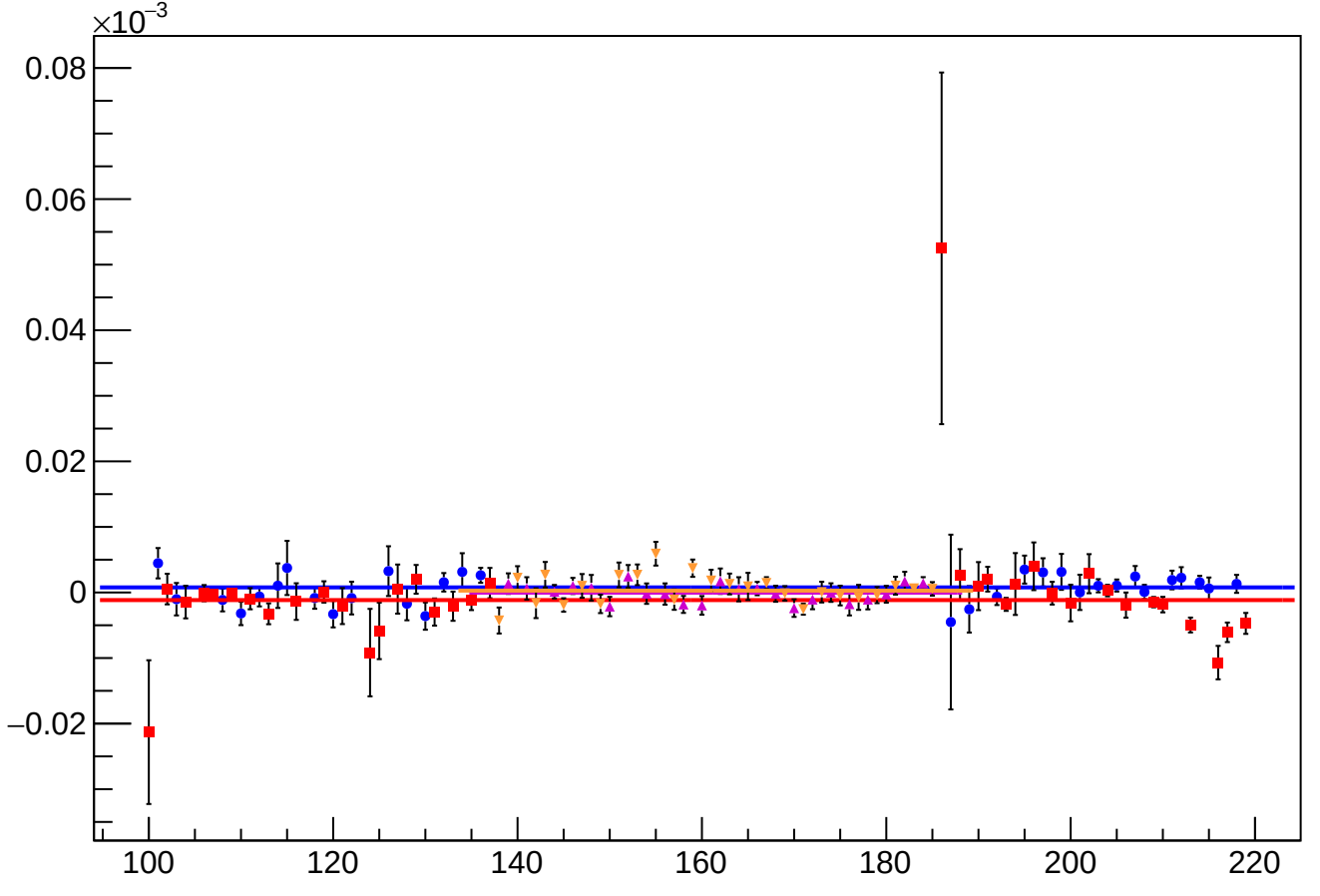
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 24.869+/-0.003 χ^2/NDF: 9113989.8/68

In: 22.131+/-0.003 χ^2/NDF:9335080.2/54

Out: 23.183+/-0.003 χ^2/NDF:10840052.4/61

All: 22.643+/-0.002 χ^2/NDF: 20242570.3/116



Right In: 0.000+/-0.000 χ^2/NDF: 35.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 76.5/36

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

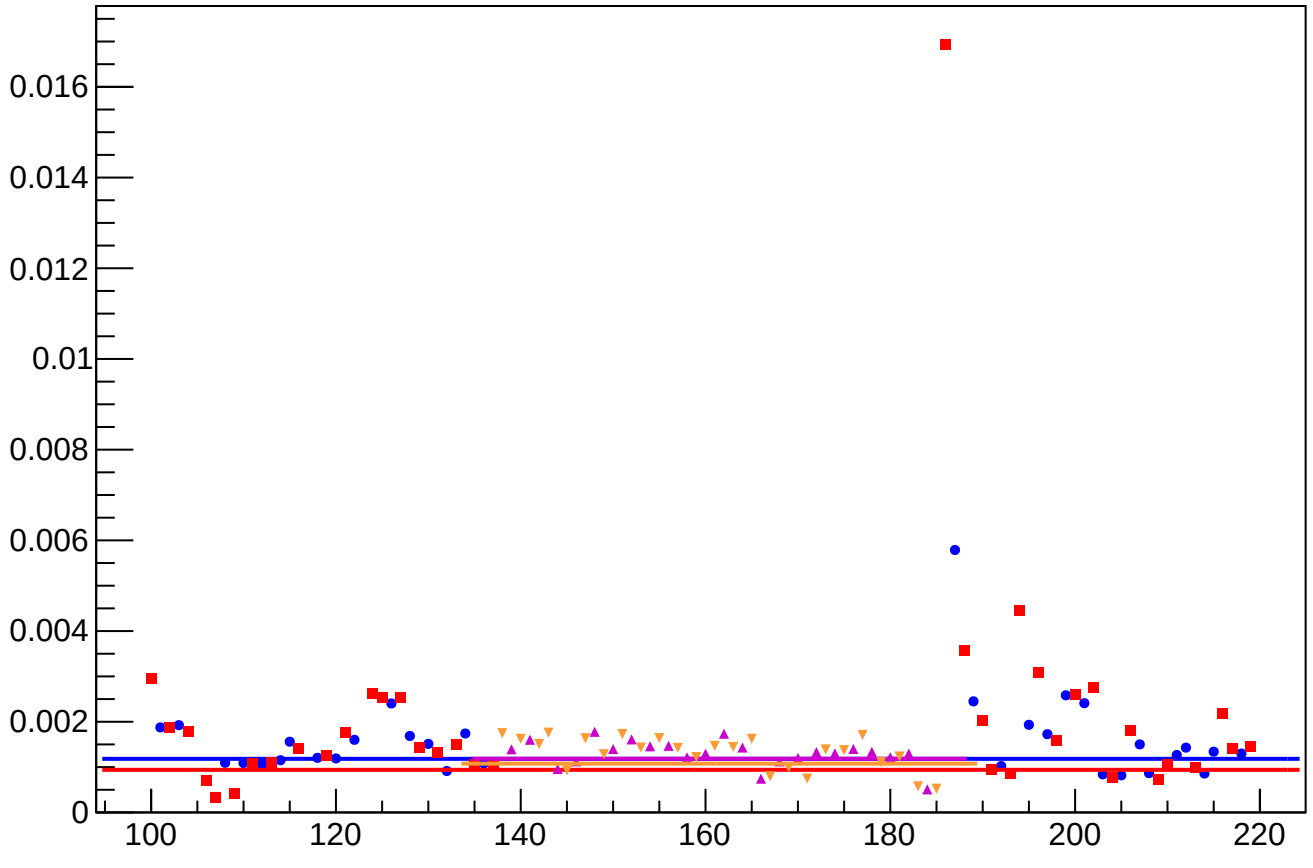
Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

Right: -0.000+/-0.000 χ^2/NDF: 137.6/68

In: 0.000+/-0.000 χ^2/NDF:58.9/54

Out: -0.000+/-0.000 χ^2/NDF:145.2/61

All: -0.000+/-0.000 χ^2/NDF: 214.0/116



Right In: 0.001+/-0.000 χ^2/NDF: 3896143.0/31

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12112880.5/36

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

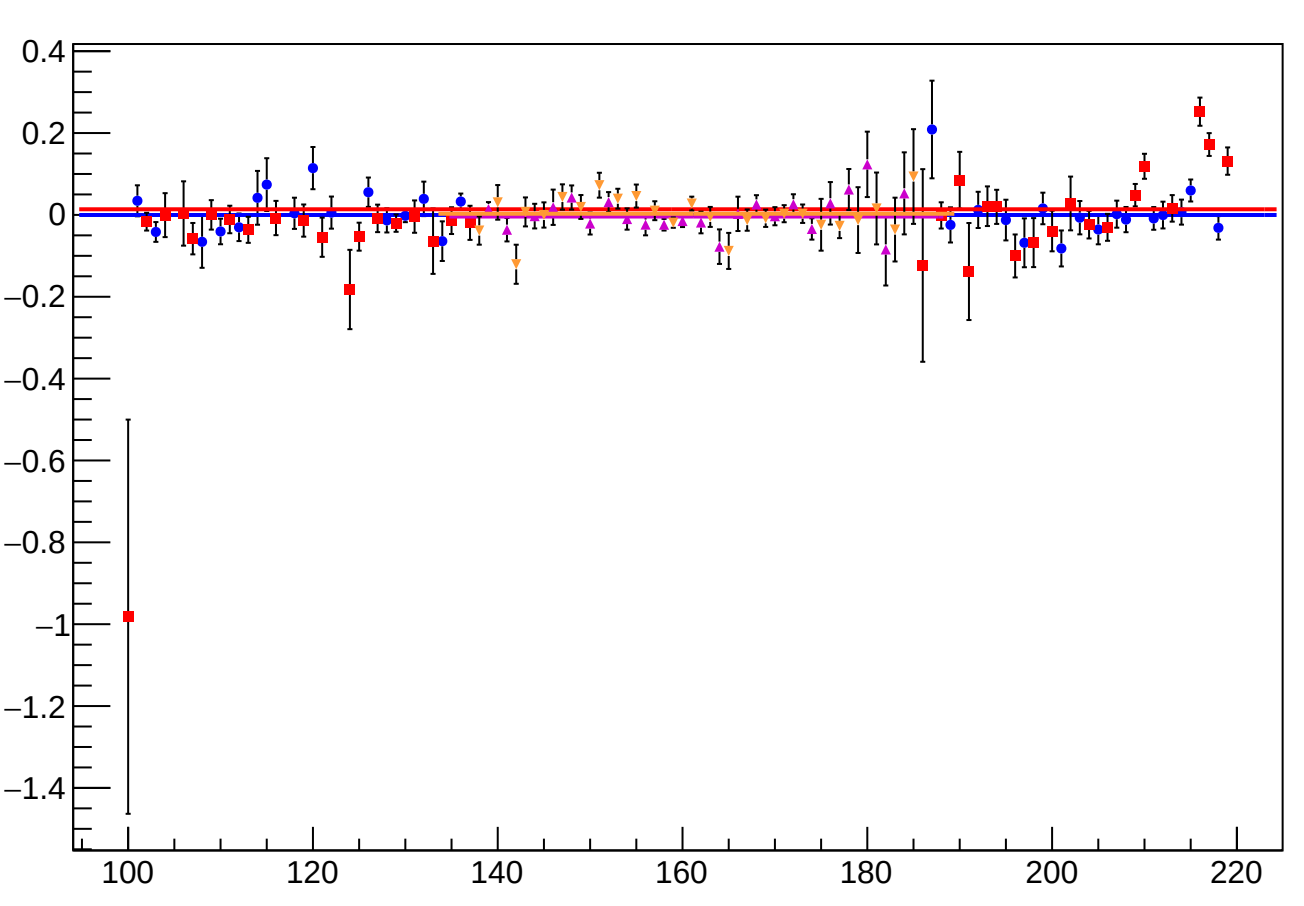
Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

Right: 0.001+/-0.000 χ^2/NDF: 16819110.4/68

In: 0.001+/-0.000 χ^2/NDF:6352735.8/54

Out: 0.001+/-0.000 χ^2/NDF:16945540.1/61

All: 0.001+/-0.000 χ^2/NDF: 24168169.9/116



Right In: -0.000+/-0.006 χ^2/NDF: 38.0/31

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.014+/-0.006 χ^2/NDF: 149.4/36

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

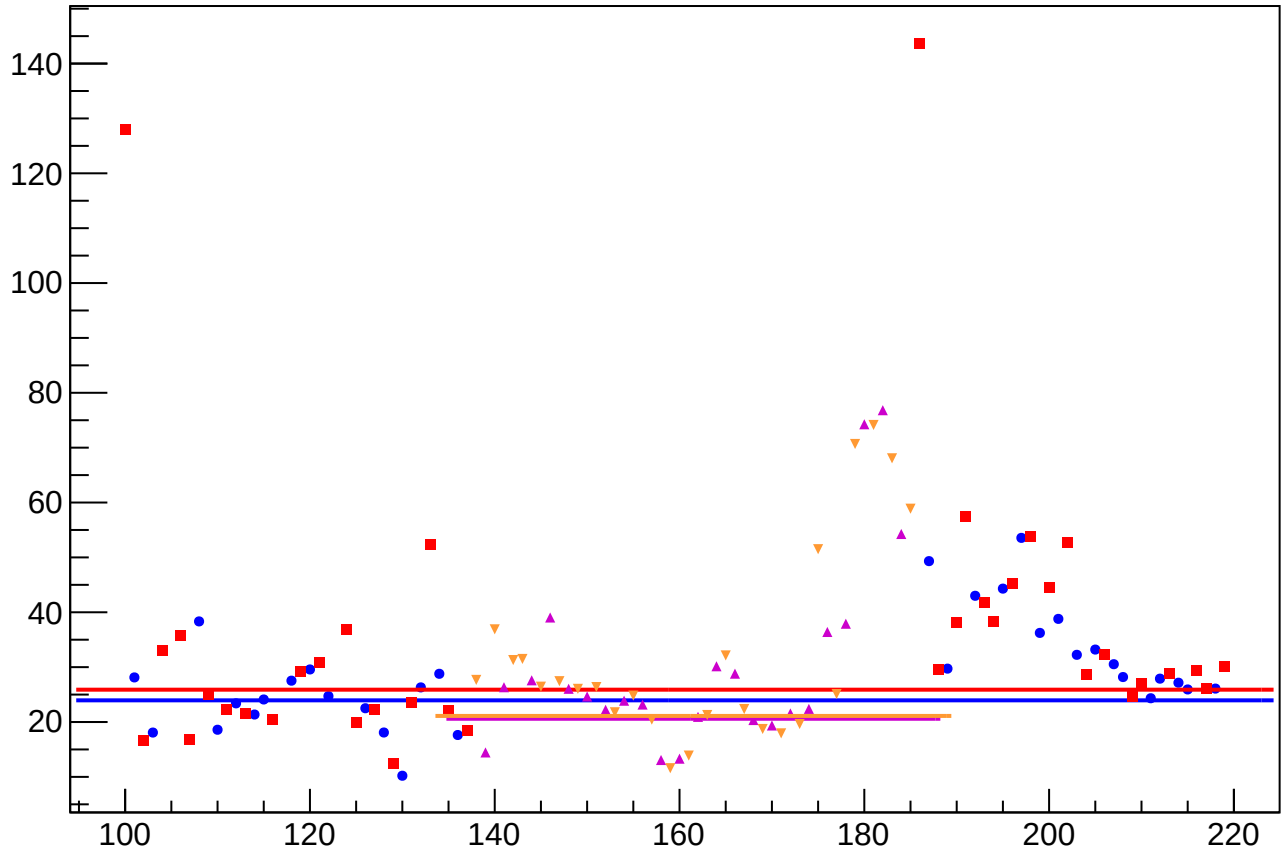
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: 0.006+/-0.004 χ^2/NDF: 190.0/68

In: -0.002+/-0.004 χ^2/NDF:62.8/54

Out: 0.008+/-0.004 χ^2/NDF:184.0/61

All: 0.003+/-0.003 χ^2/NDF: 249.7/116



Right In: 23.950+/-0.004 χ^2/NDF: 4385272.9/31

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.892+/-0.004 χ^2/NDF: 4626004.7/36

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

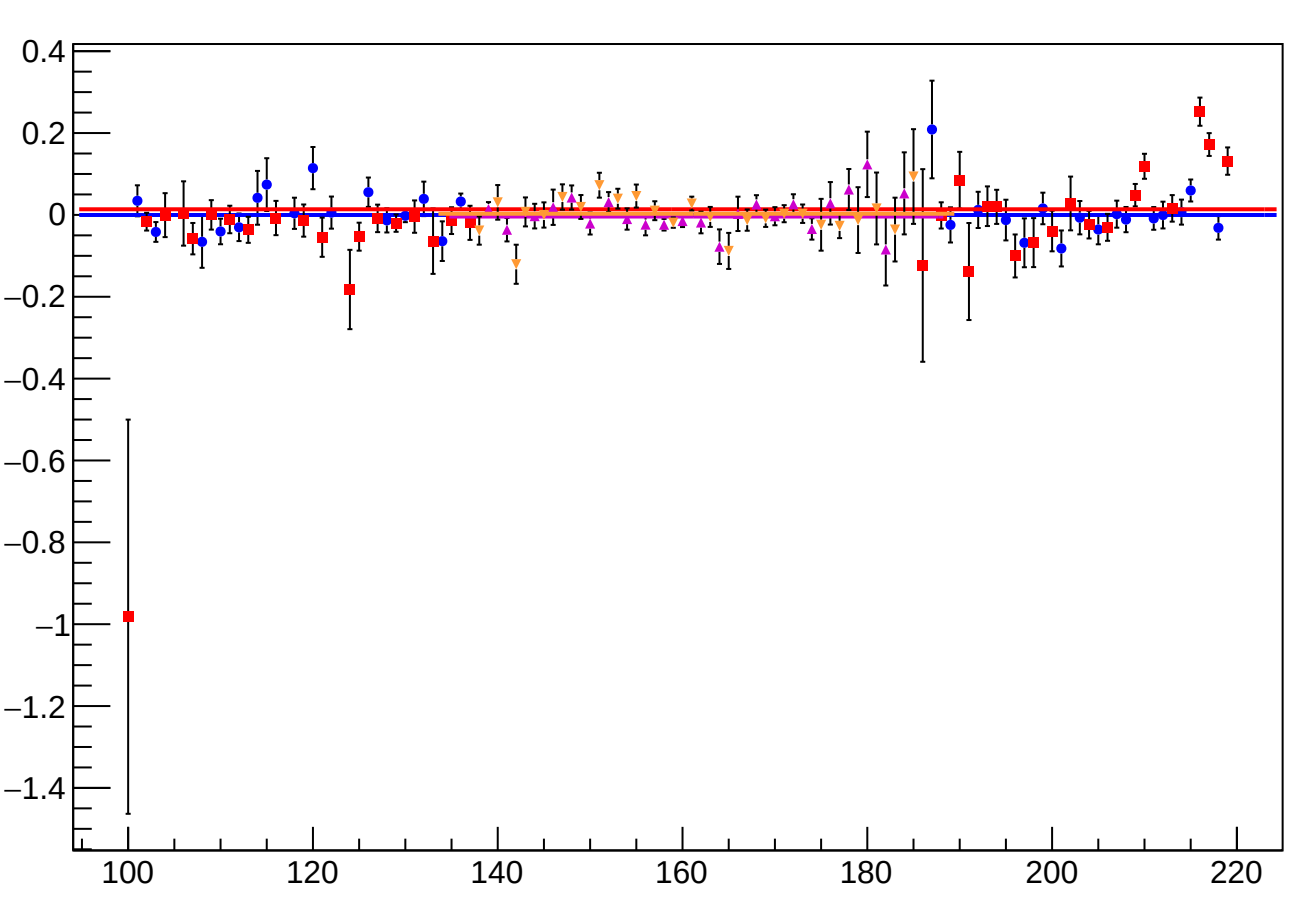
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 24.869+/-0.003 χ^2/NDF: 9113622.7/68

In: 22.131+/-0.003 χ^2/NDF:9334809.1/54

Out: 23.183+/-0.003 χ^2/NDF:10840144.5/61

All: 22.644+/-0.002 χ^2/NDF: 20242363.1/116



Right In: -0.000+/-0.006 χ^2/NDF: 38.0/31

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.014+/-0.006 χ^2/NDF: 149.4/36

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

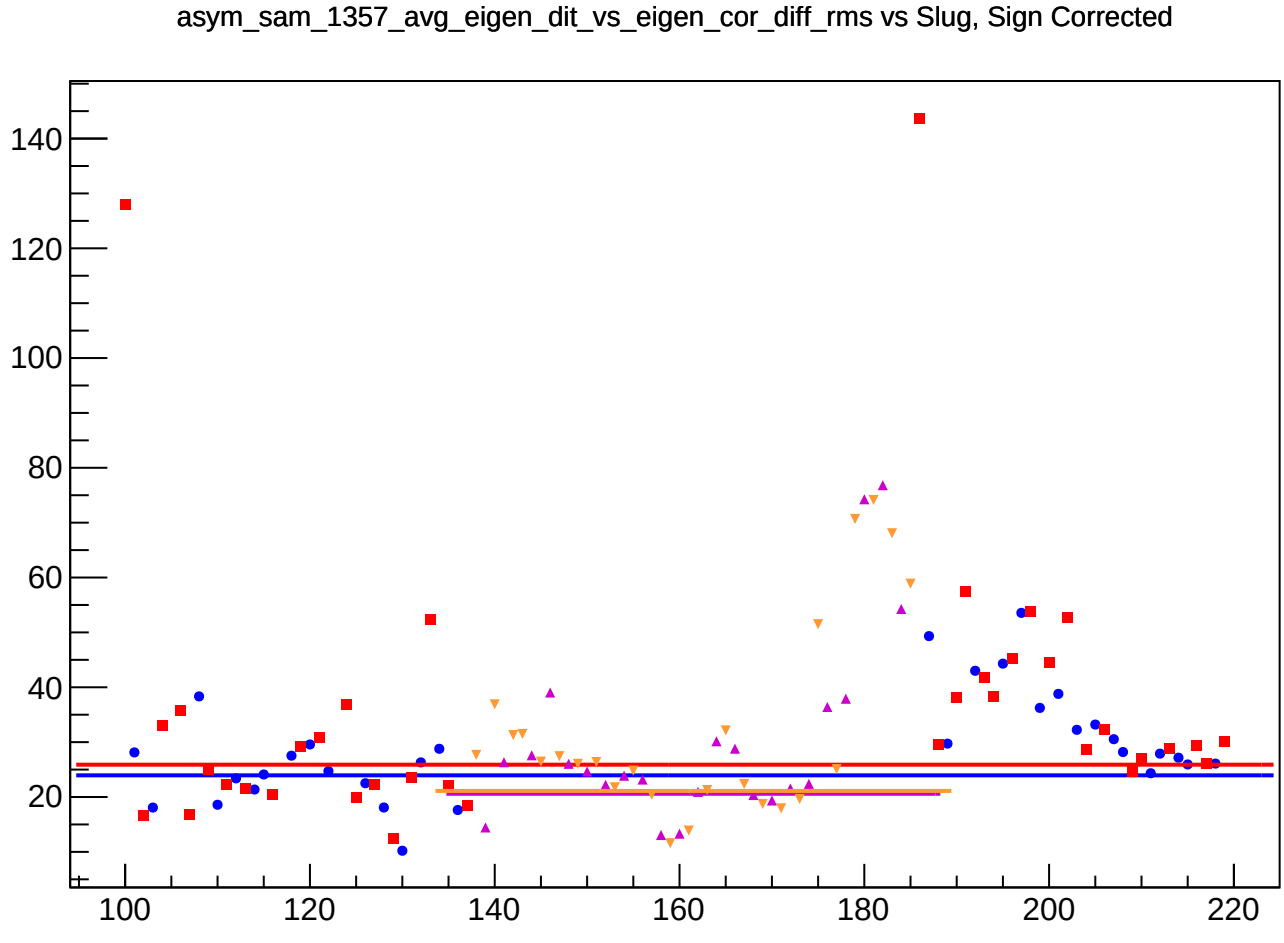
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: 0.006+/-0.004 χ^2/NDF: 190.0/68

In: -0.002+/-0.004 χ^2/NDF:62.8/54

Out: 0.008+/-0.004 χ^2/NDF:184.0/61

All: 0.003+/-0.003 χ^2/NDF: 249.7/116



Right In: 23.950+/-0.004 χ^2/NDF: 4385272.9/31

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.892+/-0.004 χ^2/NDF: 4626004.7/36

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

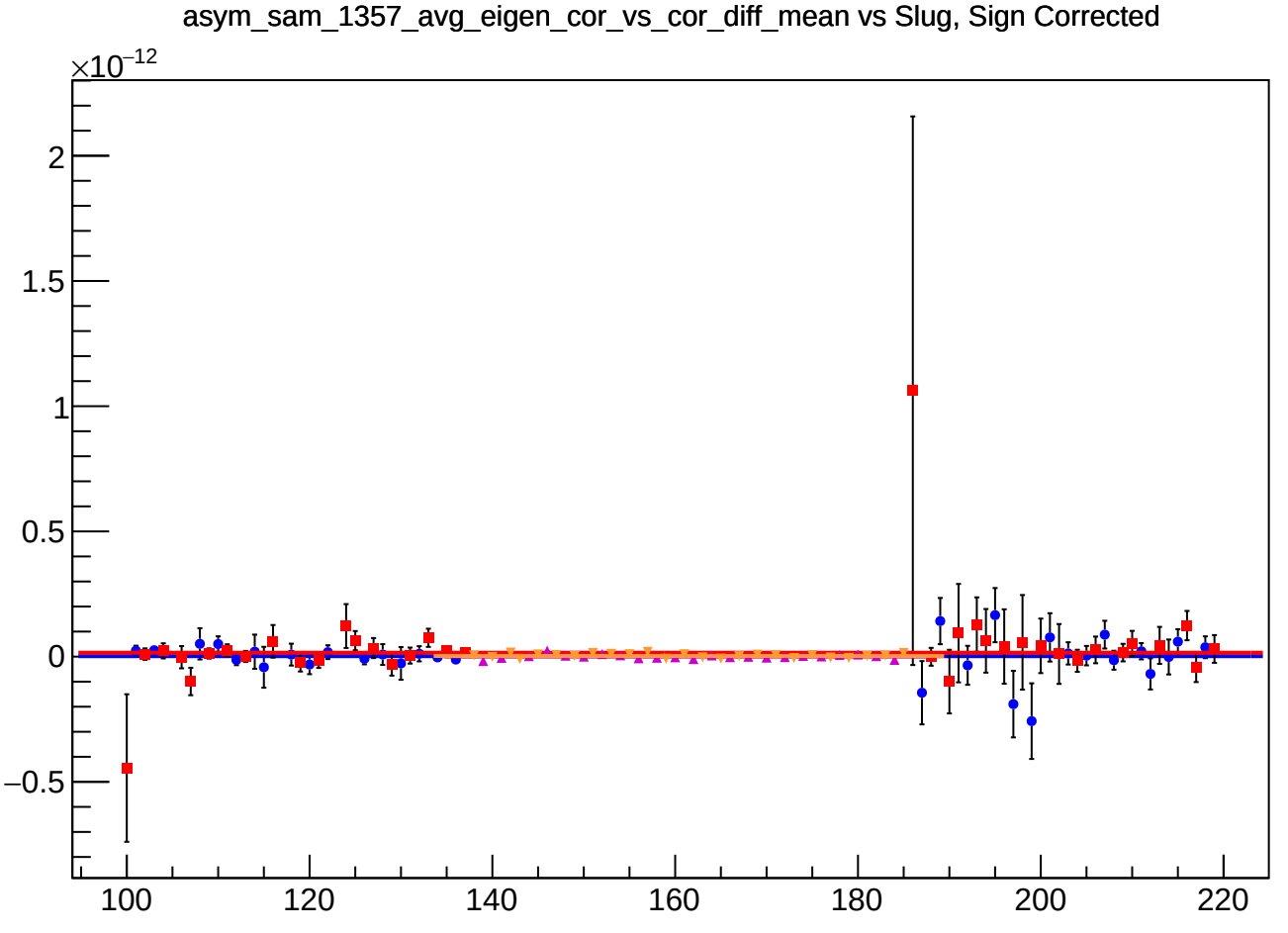
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 24.869+/-0.003 χ^2/NDF: 9113622.7/68

In: 22.131+/-0.003 χ^2/NDF:9334809.1/54

Out: 23.183+/-0.003 χ^2/NDF:10840144.5/61

All: 22.644+/-0.002 χ^2/NDF: 20242363.1/116



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/36

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

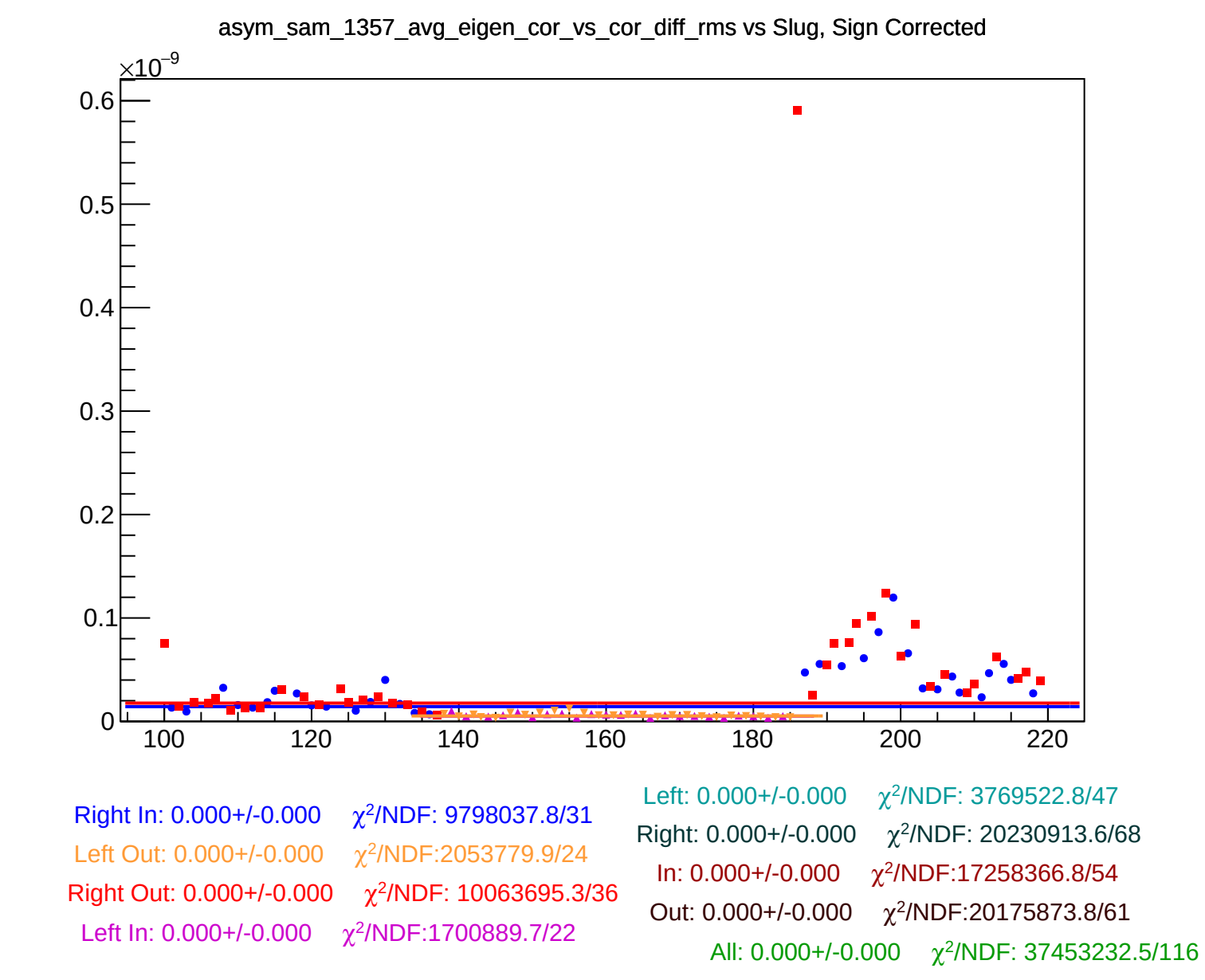
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

Right: 0.000+/-0.000 χ^2/NDF: 58.6/68

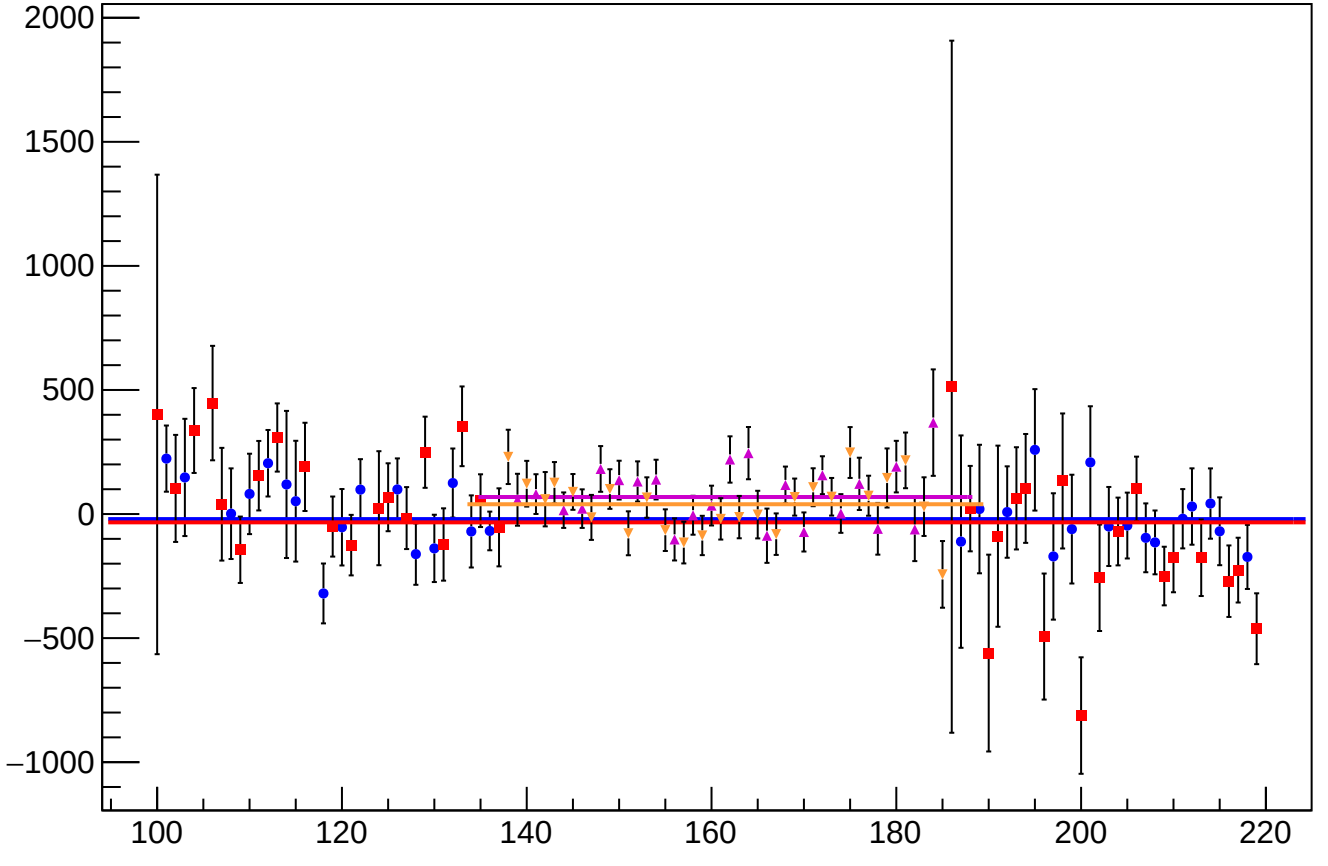
In: 0.000+/-0.000 χ^2/NDF:50.2/54

Out: 0.000+/-0.000 χ^2/NDF:51.9/61

All: 0.000+/-0.000 χ^2/NDF: 103.6/116


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9798037.8/31
Left Out: 0.000+/-0.000 χ²/NDF:2053779.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 10063695.3/36
Left In: 0.000+/-0.000 χ²/NDF:1700889.7/22
Left: 0.000+/-0.000 χ²/NDF: 3769522.8/47
Right: 0.000+/-0.000 χ²/NDF: 20230913.6/68
In: 0.000+/-0.000 χ²/NDF:17258366.8/54
Out: 0.000+/-0.000 χ²/NDF:20175873.8/61
All: 0.000+/-0.000 χ²/NDF: 37453232.5/116

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: -20.369+/-26.196 χ^2/NDF: 24.6/31

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -33.492+/-26.571 χ^2/NDF: 70.6/36

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

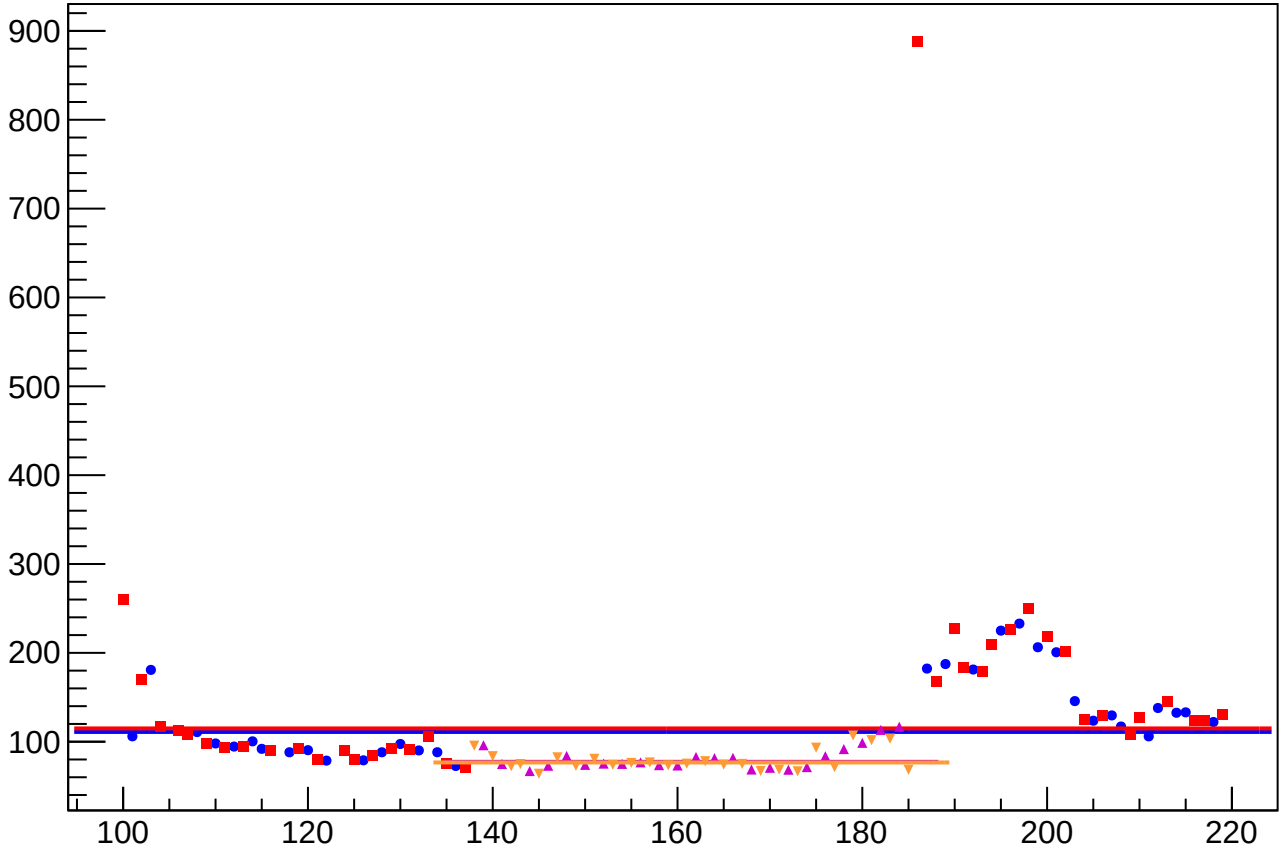
Right: -26.837+/-18.655 χ^2/NDF: 95.4/68

In: 39.399+/-15.011 χ^2/NDF:61.4/54

Out: 17.110+/-14.711 χ^2/NDF:107.8/61

All: 28.029+/-10.507 χ^2/NDF: 170.3/116

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 111.036+/-0.019 χ^2/NDF: 3714925.2/31

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 114.944+/-0.019 χ^2/NDF: 4767744.9/36

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

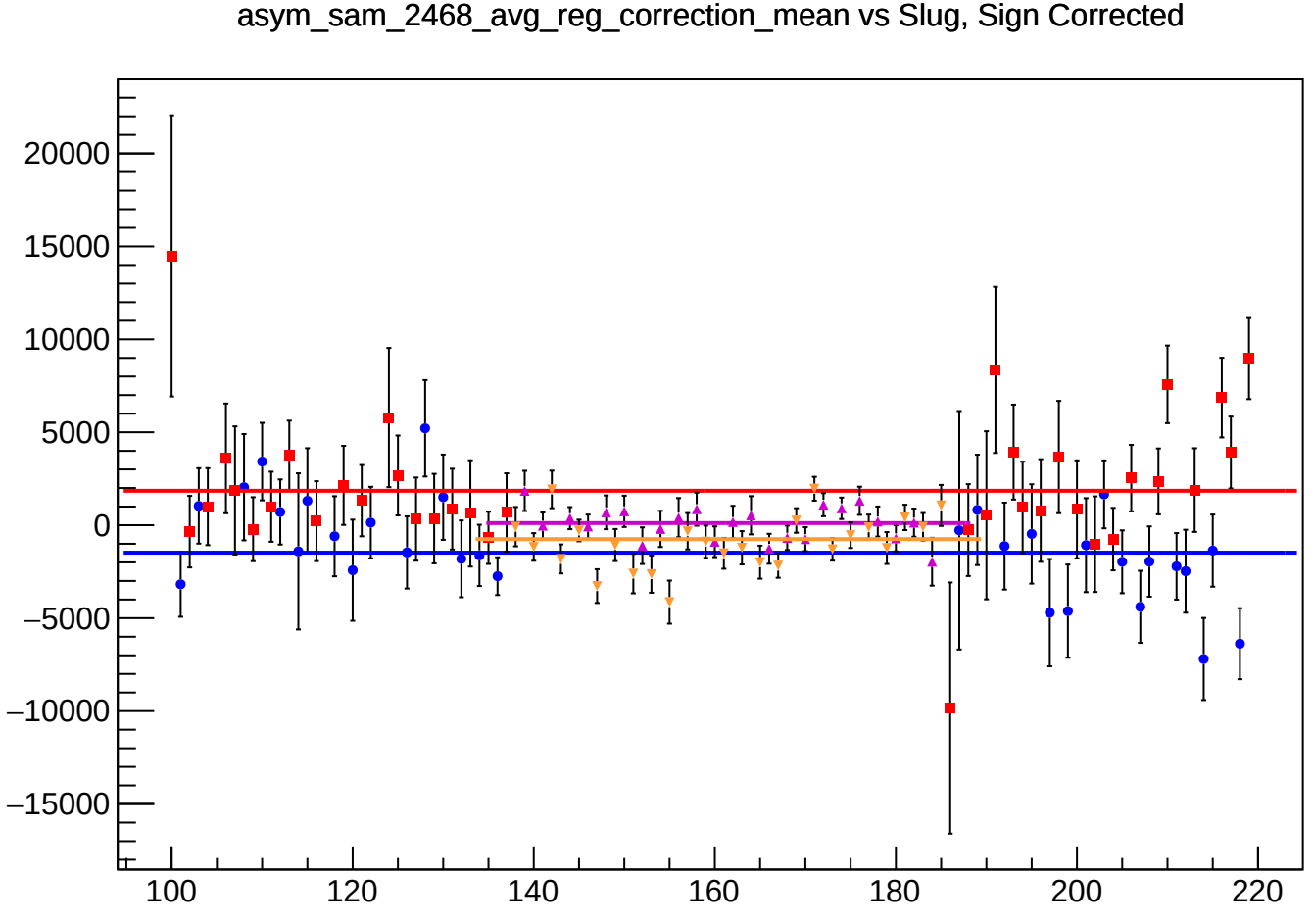
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

Right: 112.962+/-0.013 χ^2/NDF: 8504600.9/68

In: 88.410+/-0.011 χ^2/NDF:6526738.9/54

Out: 88.386+/-0.010 χ^2/NDF:8303457.2/61

All: 88.398+/-0.007 χ^2/NDF: 14830198.9/116



Right In: -1478.924+/-363.333 χ^2/NDF: 45.6/31

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: 1852.153+/-369.982 χ^2/NDF: 50.0/36

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

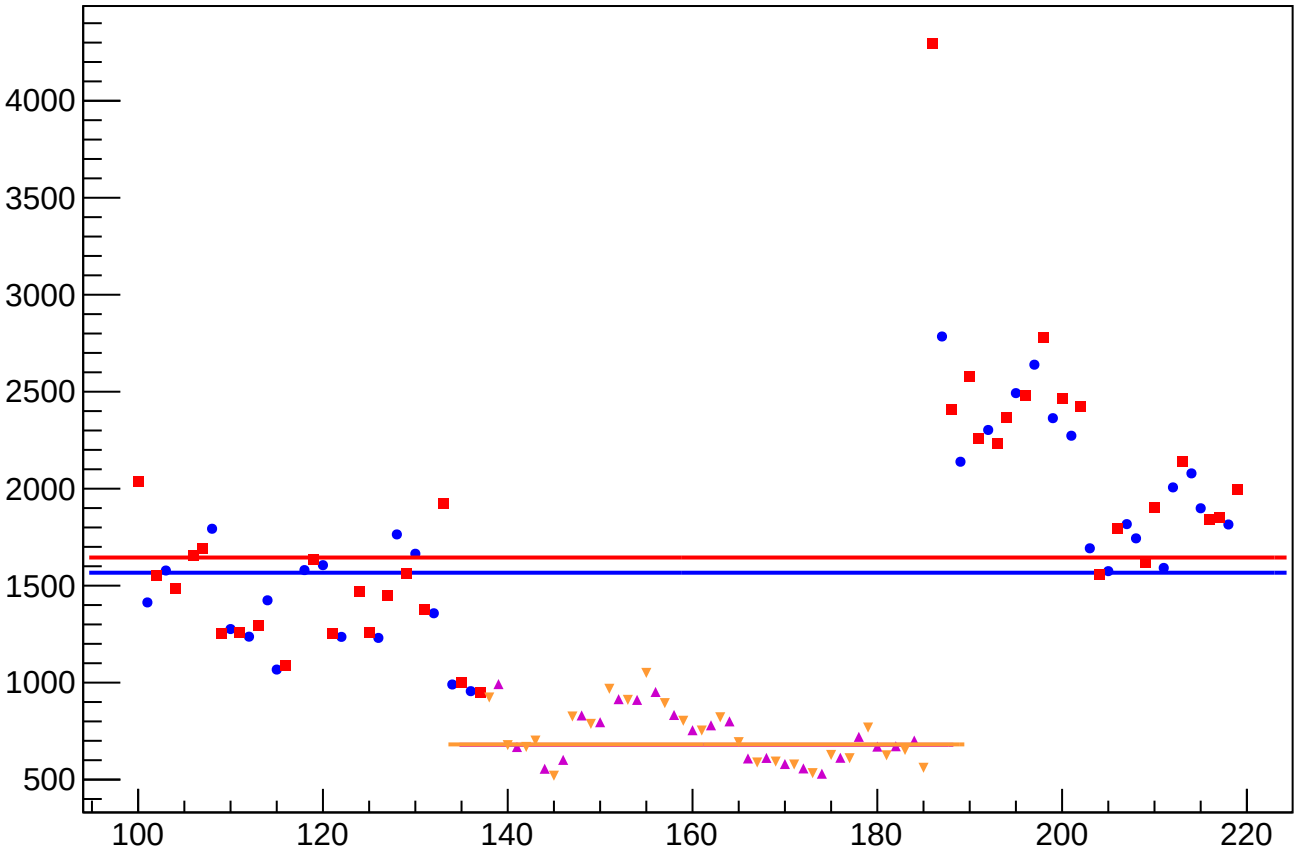
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

Right: 156.414+/-259.234 χ^2/NDF: 136.9/68

In: -149.808+/-147.813 χ^2/NDF:86.7/54

Out: -347.990+/-145.368 χ^2/NDF:161.8/61

All: -250.552+/-103.644 χ^2/NDF: 249.5/116



Right In: 1566.689+/-0.257 χ^2/NDF: 2883405.0/31

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1645.048+/-0.262 χ^2/NDF: 3253496.5/36

Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

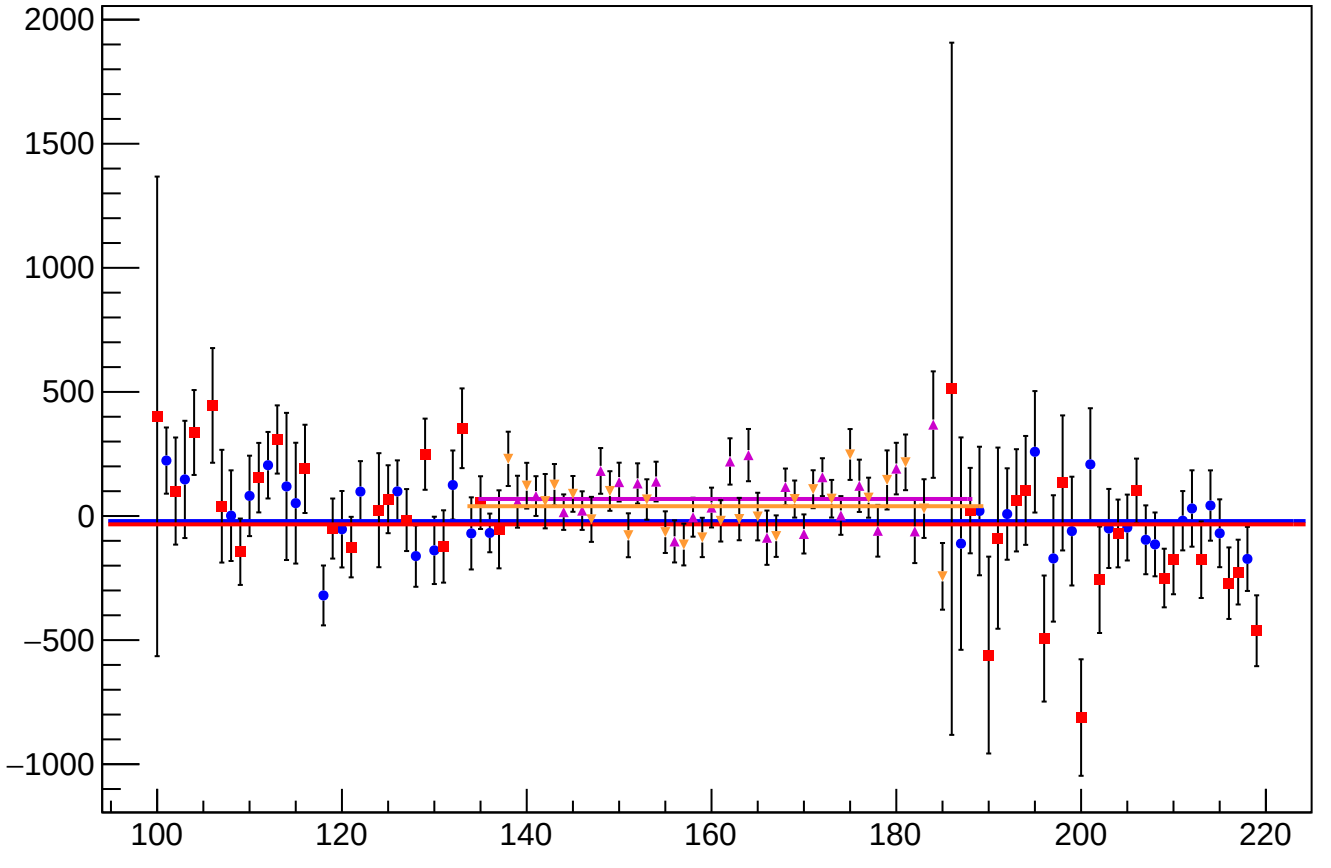
Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

Right: 1605.158+/-0.183 χ^2/NDF: 6182569.7/68

In: 826.264+/-0.105 χ^2/NDF:14021788.7/54

Out: 830.185+/-0.103 χ^2/NDF:16060220.6/61

All: 828.257+/-0.073 χ^2/NDF: 30082724.6/1



Right In: -20.376+/-26.196 χ^2/NDF: 24.6/31

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -33.580+/-26.572 χ^2/NDF: 70.6/36

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

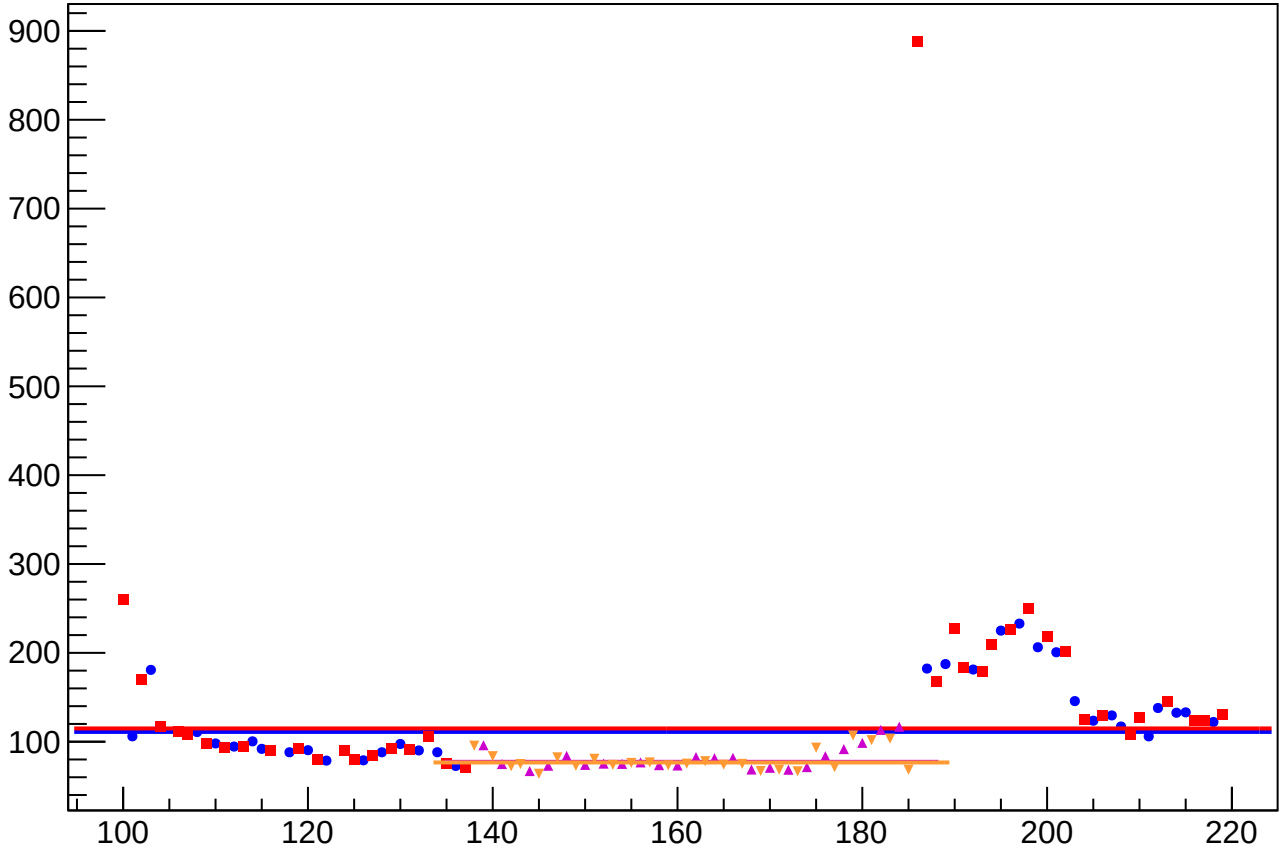
Right: -26.884+/-18.655 χ^2/NDF: 95.3/68

In: 39.396+/-15.011 χ^2/NDF:61.4/54

Out: 17.089+/-14.712 χ^2/NDF:107.8/61

All: 28.018+/-10.507 χ^2/NDF: 170.3/116

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 111.036+/-0.019 χ^2/NDF: 3714928.7/31

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 114.927+/-0.019 χ^2/NDF: 4768266.9/36

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

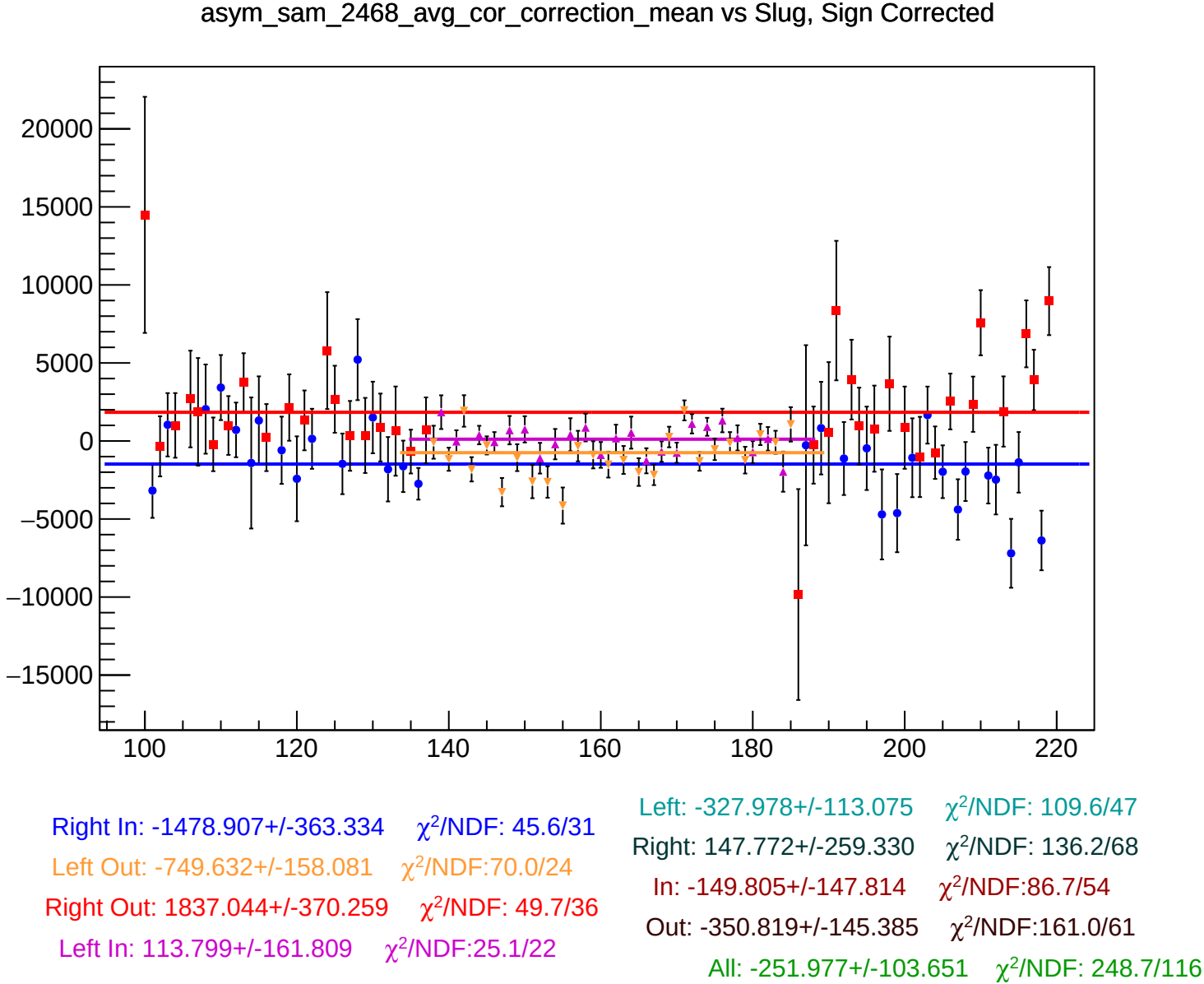
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

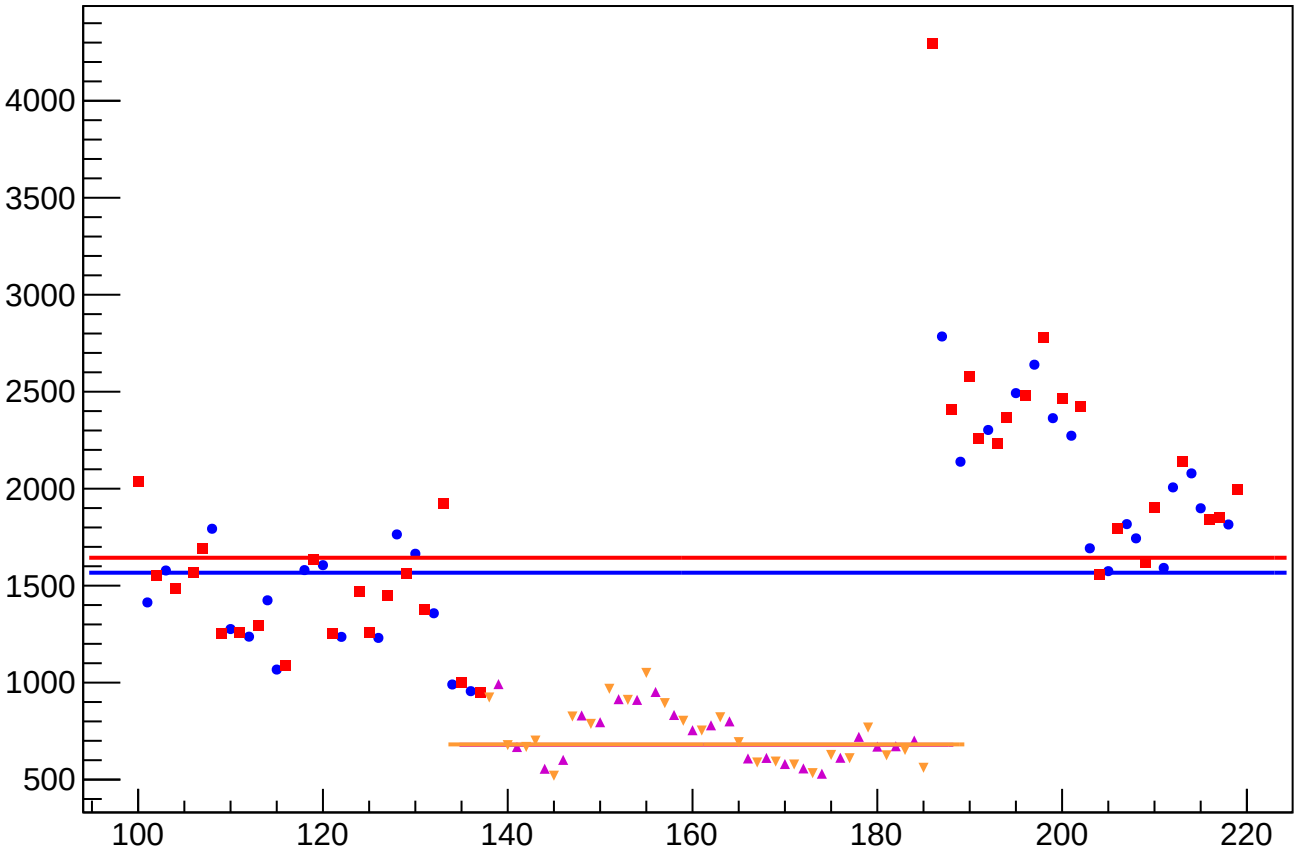
Right: 112.954+/-0.013 χ^2/NDF: 8504935.4/68

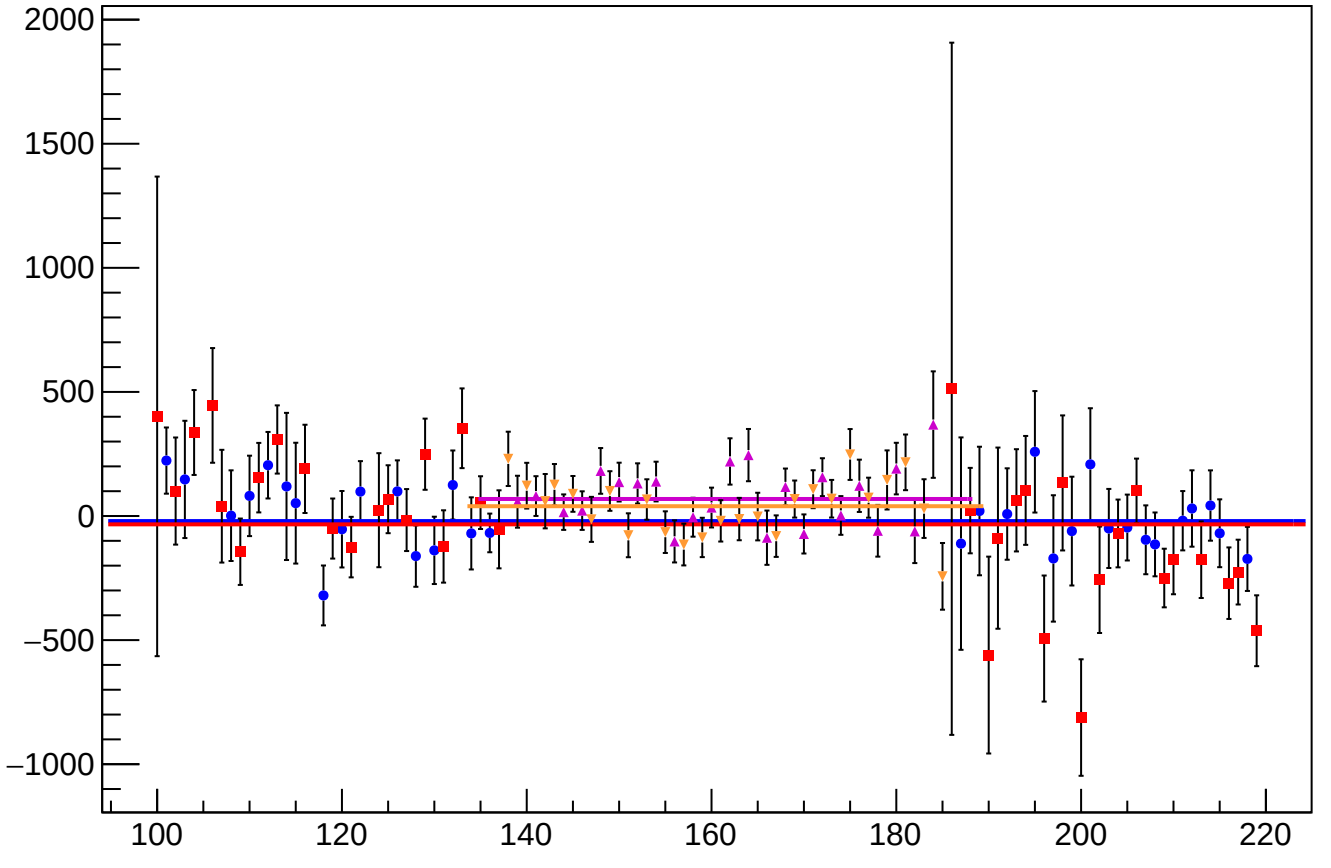
In: 88.410+/-0.011 χ^2/NDF:6526742.5/54

Out: 88.380+/-0.010 χ^2/NDF:8301295.7/61

All: 88.395+/-0.007 χ^2/NDF: 14828042.4/116


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: -1478.907+/-363.334 χ²/NDF: 45.6/31
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: 1837.044+/-370.259 χ²/NDF: 49.7/36
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: 147.772+/-259.330 χ²/NDF: 136.2/68
In: -149.805+/-147.814 χ²/NDF:86.7/54
Out: -350.819+/-145.385 χ²/NDF:161.0/61
All: -251.977+/-103.651 χ²/NDF: 248.7/116


asym_sam_2468_avg_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1566.692+/-0.257 χ²/NDF: 2883411.6/31
Left Out: 681.426+/-0.112 χ²/NDF:1334214.9/24
Right Out: 1643.839+/-0.262 χ²/NDF: 3254559.4/36
Left In: 679.414+/-0.114 χ²/NDF:1185265.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.2/47
Right: 1604.538+/-0.183 χ²/NDF: 6182204.4/68
In: 826.264+/-0.105 χ²/NDF:14021821.7/54
Out: 829.811+/-0.103 χ²/NDF:16018109.3/61
All: 828.067+/-0.073 χ²/NDF: 30040516.1/11



Right In: -20.376+/-26.196 χ^2/NDF: 24.6/31

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -33.580+/-26.572 χ^2/NDF: 70.6/36

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

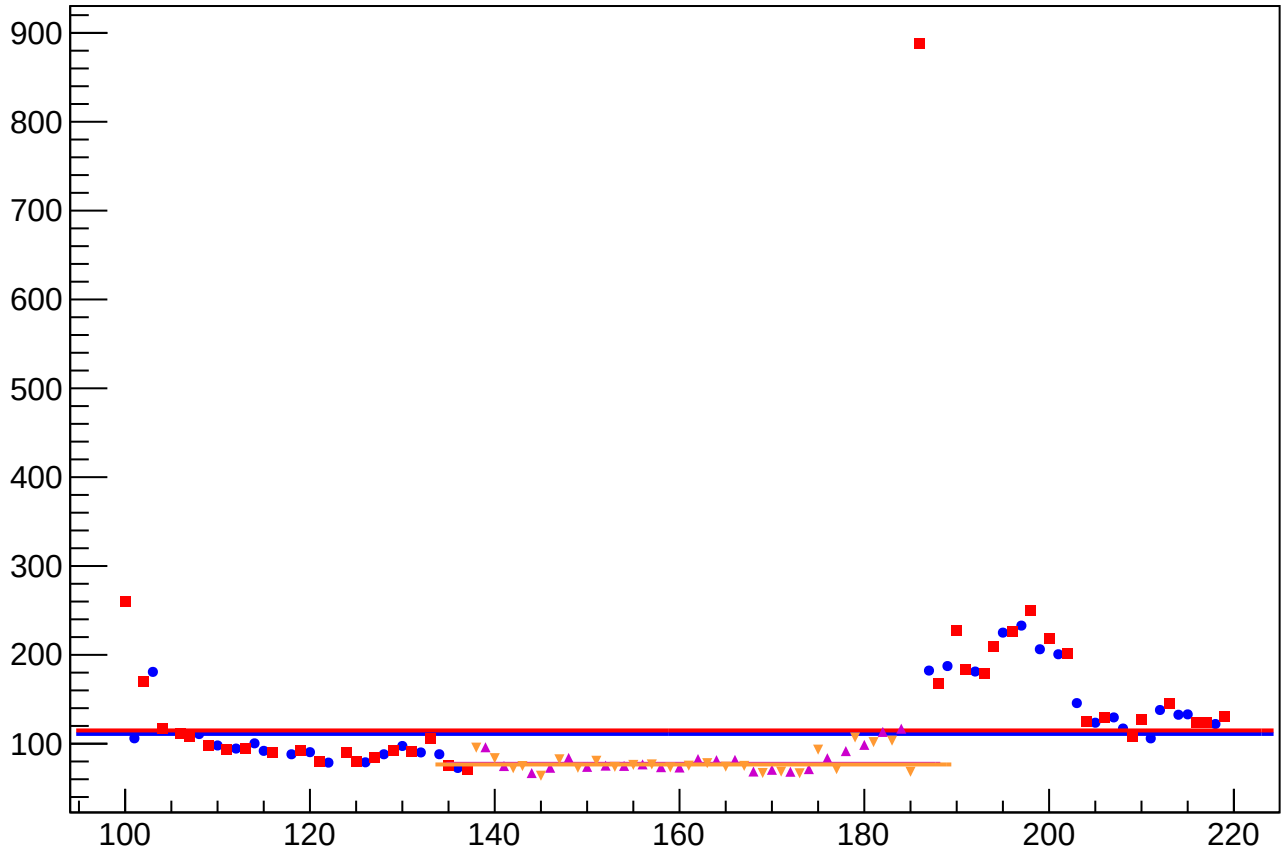
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: -26.884+/-18.655 χ^2/NDF: 95.3/68

In: 39.396+/-15.011 χ^2/NDF:61.4/54

Out: 17.089+/-14.712 χ^2/NDF:107.8/61

All: 28.018+/-10.507 χ^2/NDF: 170.3/116



Right In: 111.036+/-0.019 χ^2/NDF: 3714928.7/31

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 114.927+/-0.019 χ^2/NDF: 4768266.9/36

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

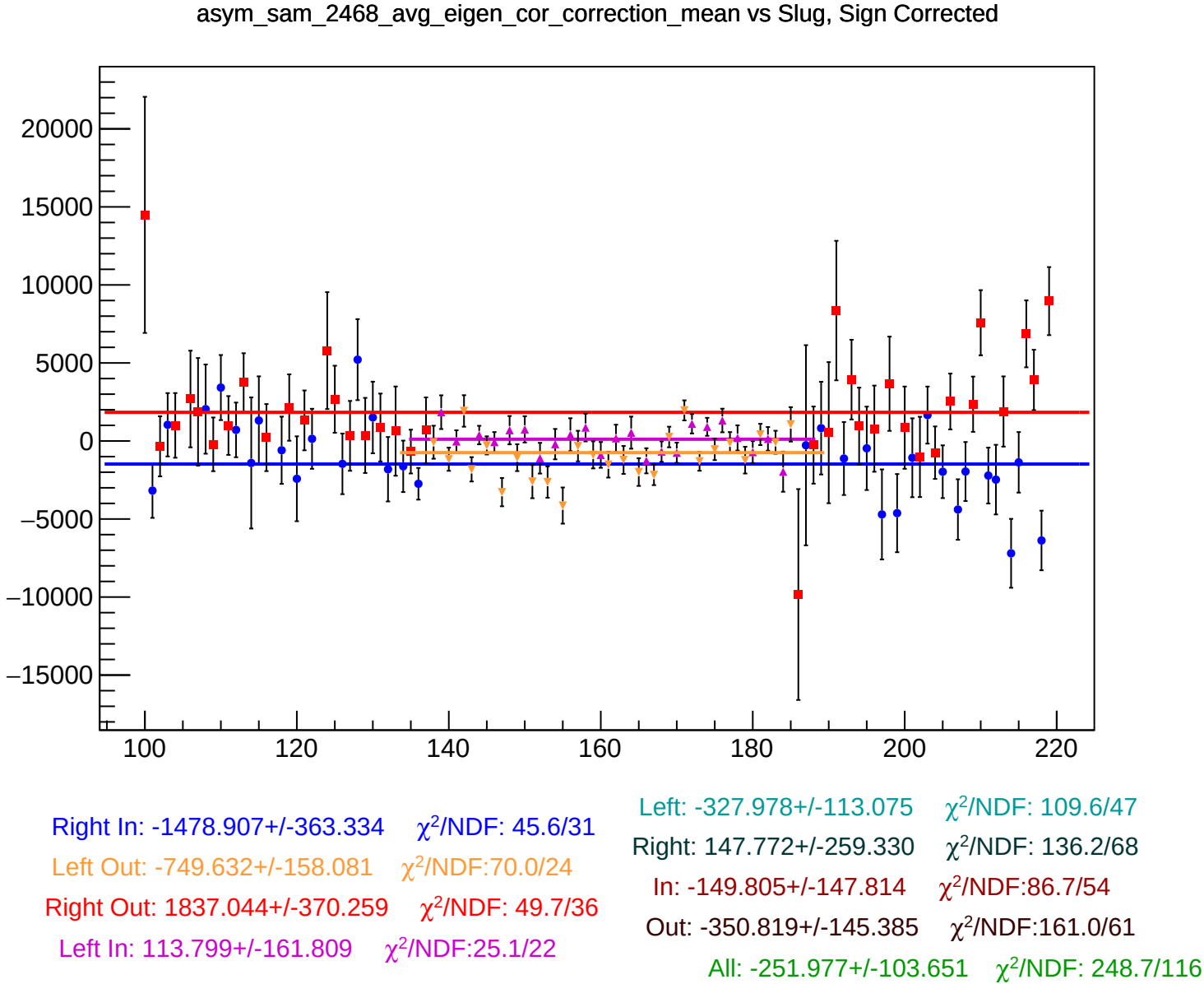
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

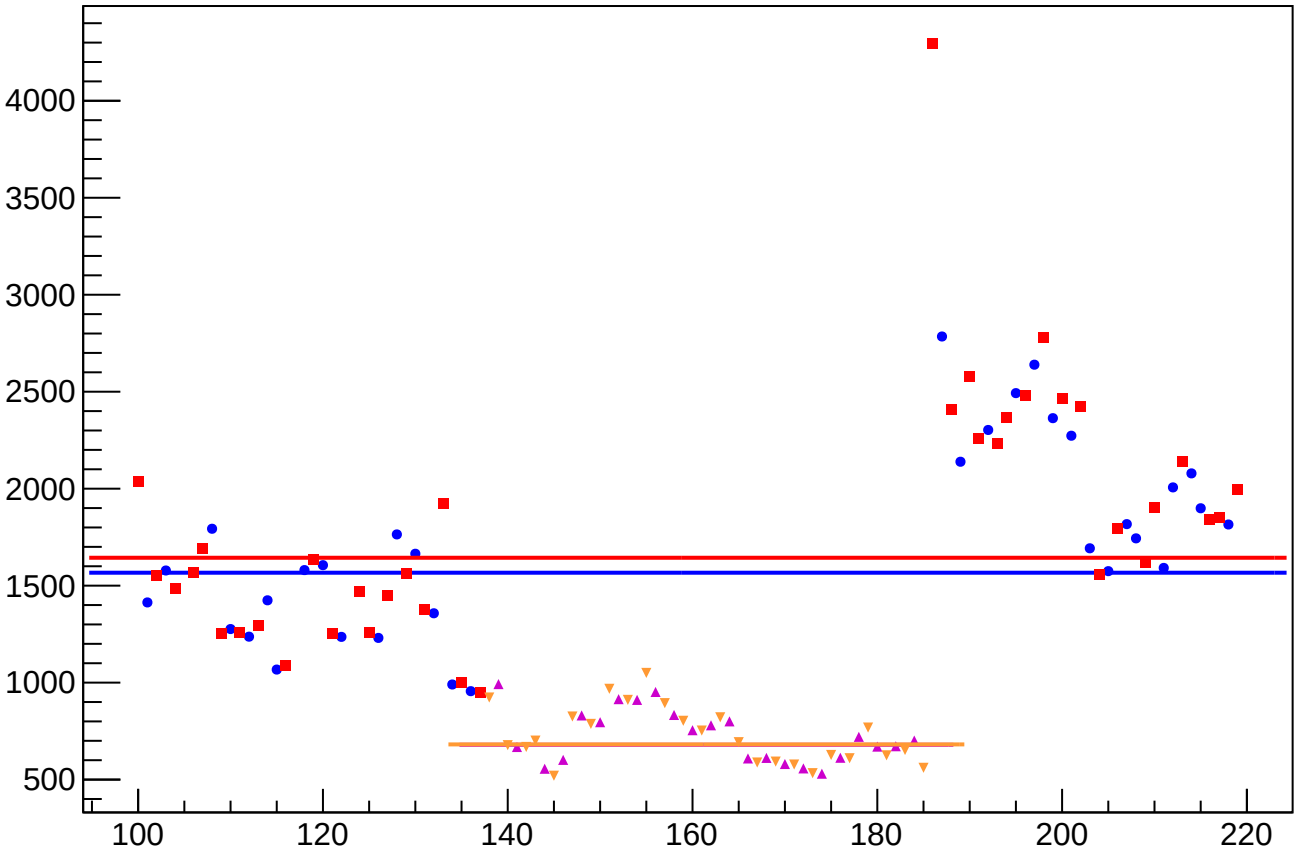
Right: 112.954+/-0.013 χ^2/NDF: 8504935.4/68

In: 88.410+/-0.011 χ^2/NDF:6526742.5/54

Out: 88.380+/-0.010 χ^2/NDF:8301295.7/61

All: 88.395+/-0.007 χ^2/NDF: 14828042.4/116


asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -1478.907+/-363.334 χ²/NDF: 45.6/31
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: 1837.044+/-370.259 χ²/NDF: 49.7/36
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: 147.772+/-259.330 χ²/NDF: 136.2/68
In: -149.805+/-147.814 χ²/NDF:86.7/54
Out: -350.819+/-145.385 χ²/NDF:161.0/61
All: -251.977+/-103.651 χ²/NDF: 248.7/116



Right In: 1566.692+/-0.257 χ^2/NDF: 2883411.6/31

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1643.839+/-0.262 χ^2/NDF: 3254559.4/36

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

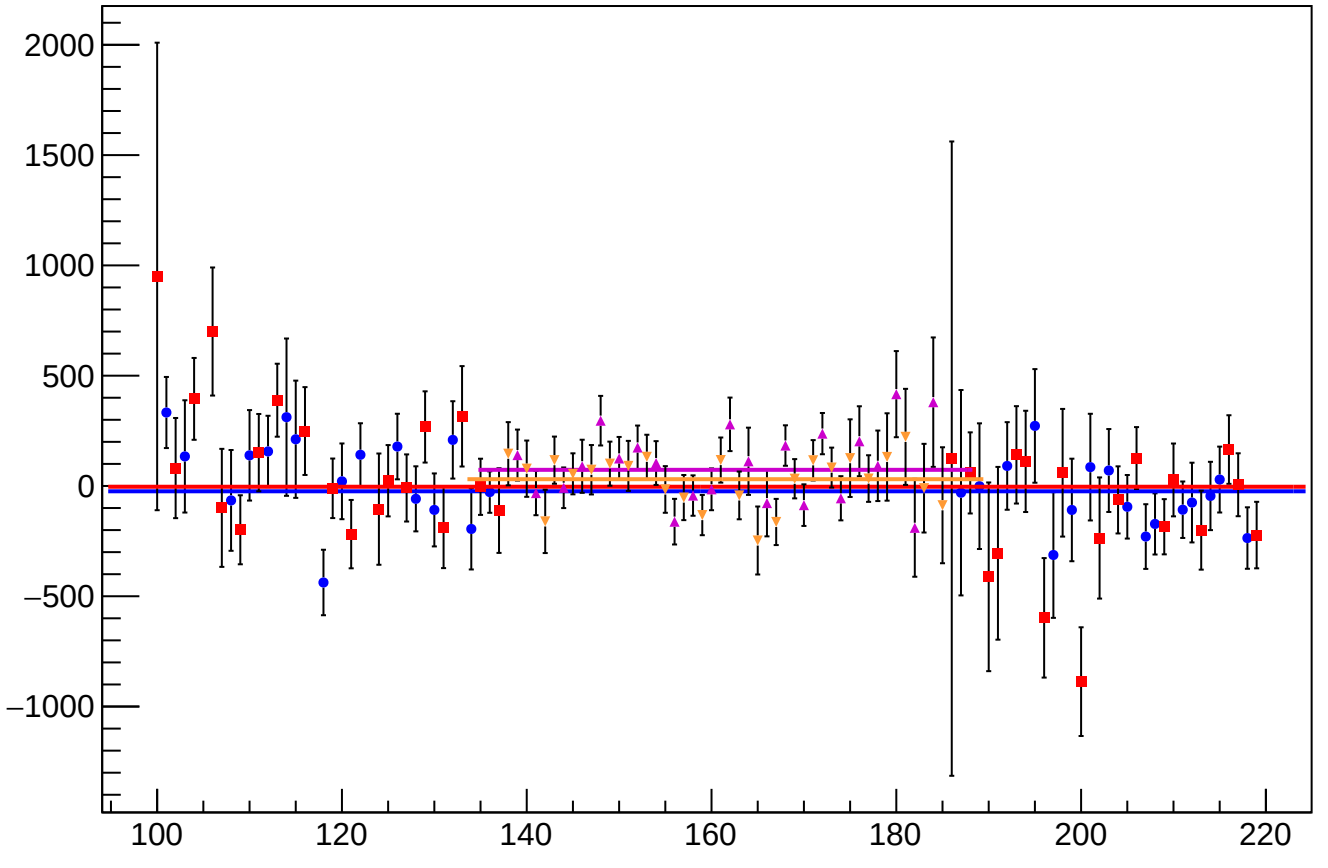
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1604.538+/-0.183 χ^2/NDF: 6182204.4/68

In: 826.264+/-0.105 χ^2/NDF:14021821.7/54

Out: 829.811+/-0.103 χ^2/NDF:16018109.3/61

All: 828.067+/-0.073 χ^2/NDF: 30040516.1/1



Right In: -24.147+/-30.171 χ^2/NDF: 32.4/31

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -3.527+/-30.471 χ^2/NDF: 57.7/36

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

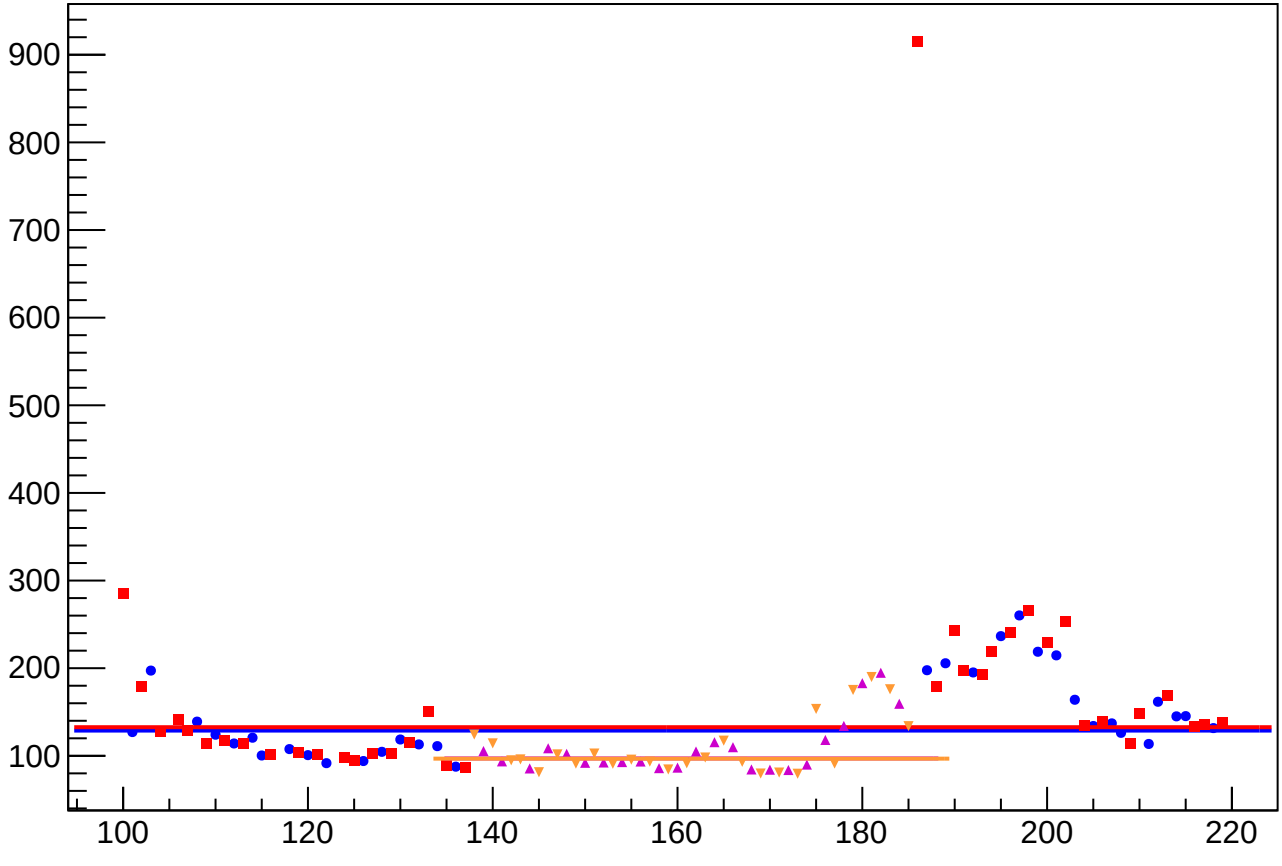
Right: -13.939+/-21.439 χ^2/NDF: 90.4/68

In: 36.389+/-18.545 χ^2/NDF:73.4/54

Out: 18.367+/-18.284 χ^2/NDF:78.5/61

All: 27.250+/-13.020 χ^2/NDF: 152.4/116

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 128.834+/-0.021 χ^2/NDF: 2969892.7/31

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 132.664+/-0.022 χ^2/NDF: 4022392.8/36

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

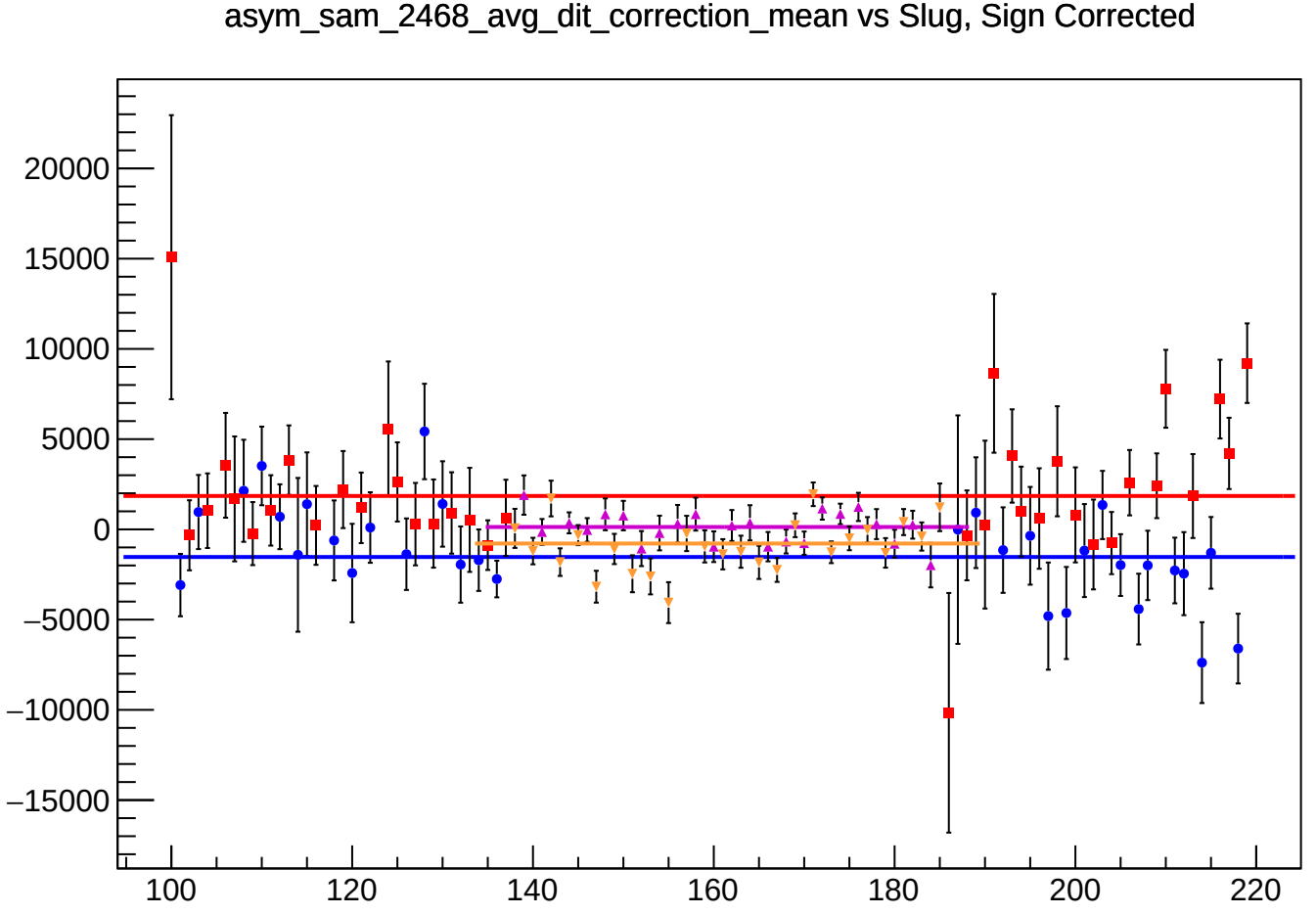
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 130.730+/-0.015 χ^2/NDF: 7008244.0/68

In: 109.037+/-0.013 χ^2/NDF:5675004.1/54

Out: 109.709+/-0.013 χ^2/NDF:7516411.3/61

All: 109.378+/-0.009 χ^2/NDF: 13192745.7/1



Right In: -1530.517+/-369.142 χ^2/NDF: 45.2/31

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 1851.340+/-374.313 χ^2/NDF: 52.6/36

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

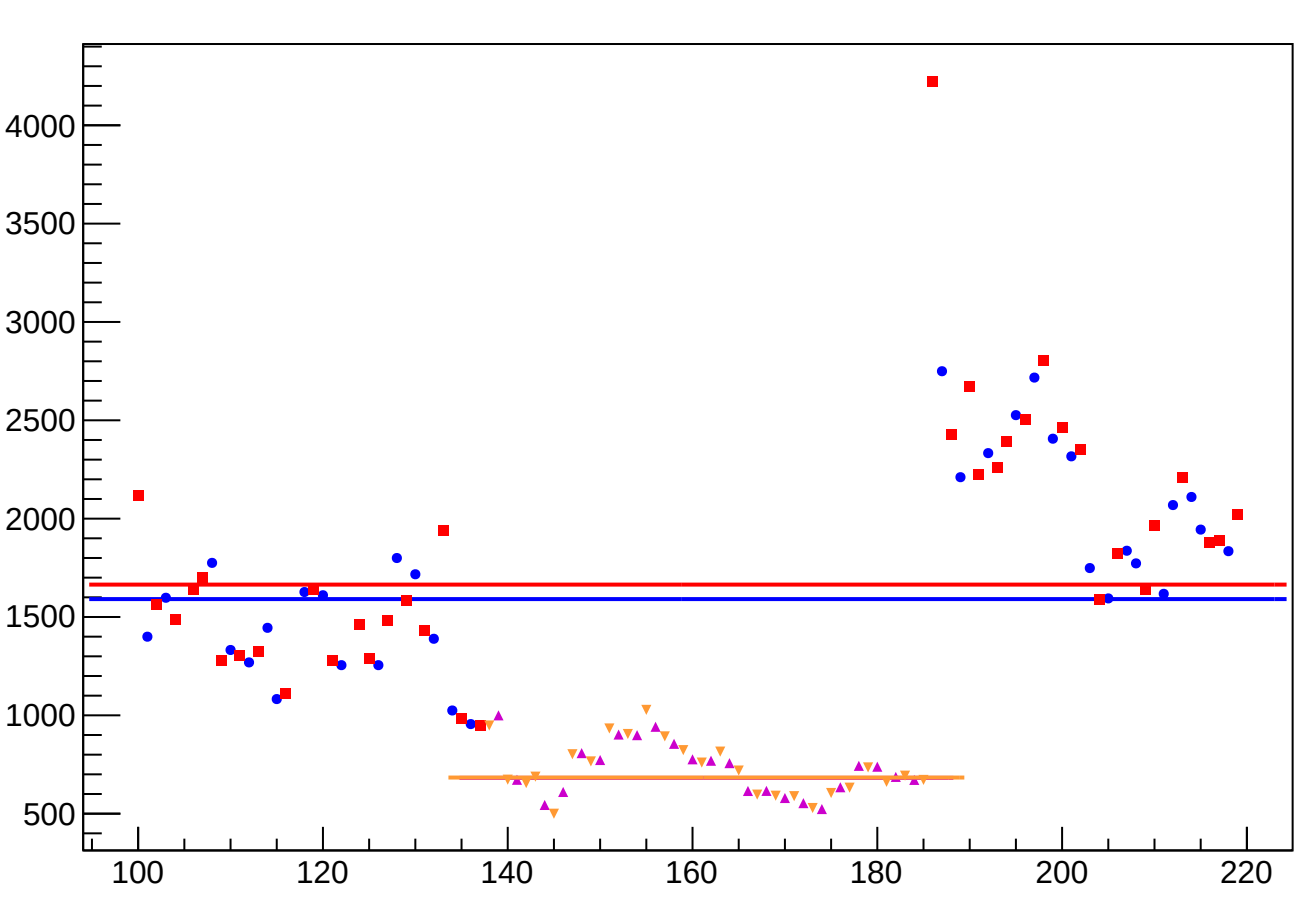
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: 136.890+/-262.832 χ^2/NDF: 139.2/68

In: -138.140+/-148.658 χ^2/NDF:86.4/54

Out: -383.846+/-145.820 χ^2/NDF:161.0/61

All: -263.360+/-104.099 χ^2/NDF: 248.8/116



Right In: 1591.017+/-0.261 χ^2/NDF: 2936647.2/31

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1664.670+/-0.265 χ^2/NDF: 3256020.7/36

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

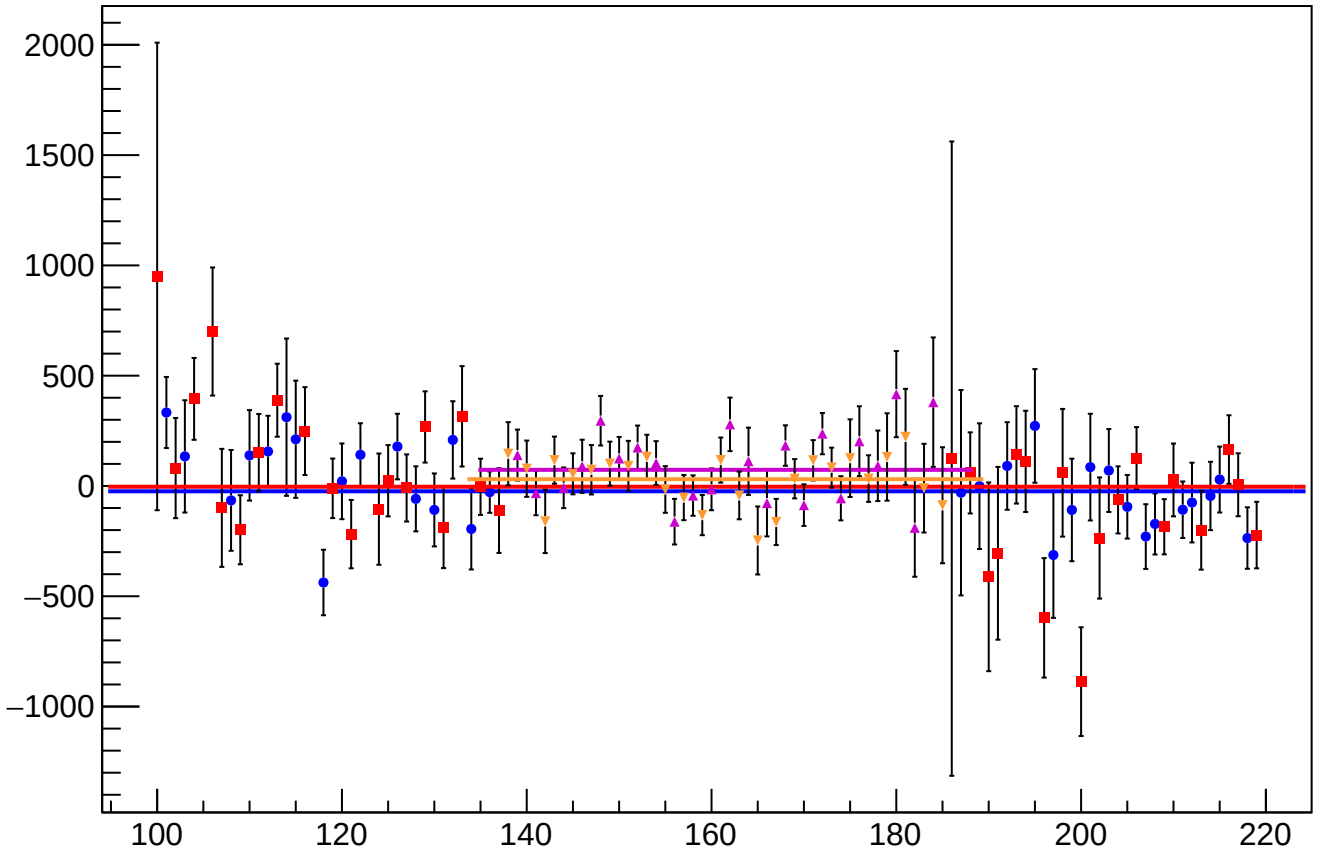
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1627.331+/-0.186 χ^2/NDF: 6231924.1/68

In: 829.389+/-0.105 χ^2/NDF:14284709.5/54

Out: 832.573+/-0.103 χ^2/NDF:16205701.9/61

All: 831.012+/-0.074 χ^2/NDF: 30490879.1/11



Right In: -24.144+/-30.171 χ^2/NDF: 32.4/31

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -3.530+/-30.471 χ^2/NDF: 57.7/36

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

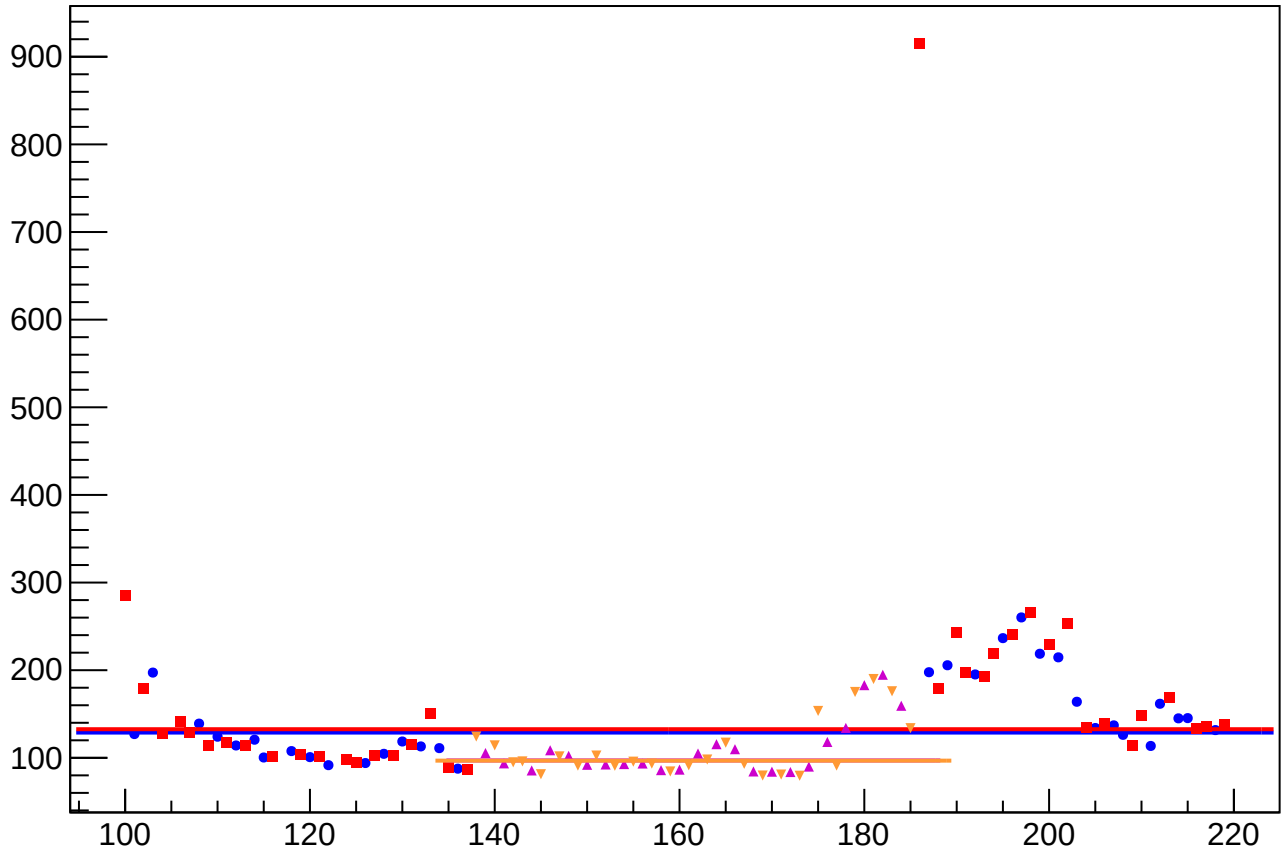
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -13.939+/-21.439 χ^2/NDF: 90.4/68

In: 36.389+/-18.545 χ^2/NDF:73.4/54

Out: 18.366+/-18.284 χ^2/NDF:78.5/61

All: 27.250+/-13.020 χ^2/NDF: 152.4/116



Right In: 128.833+/-0.021 χ^2/NDF: 2969911.4/31

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 132.664+/-0.022 χ^2/NDF: 4022423.4/36

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

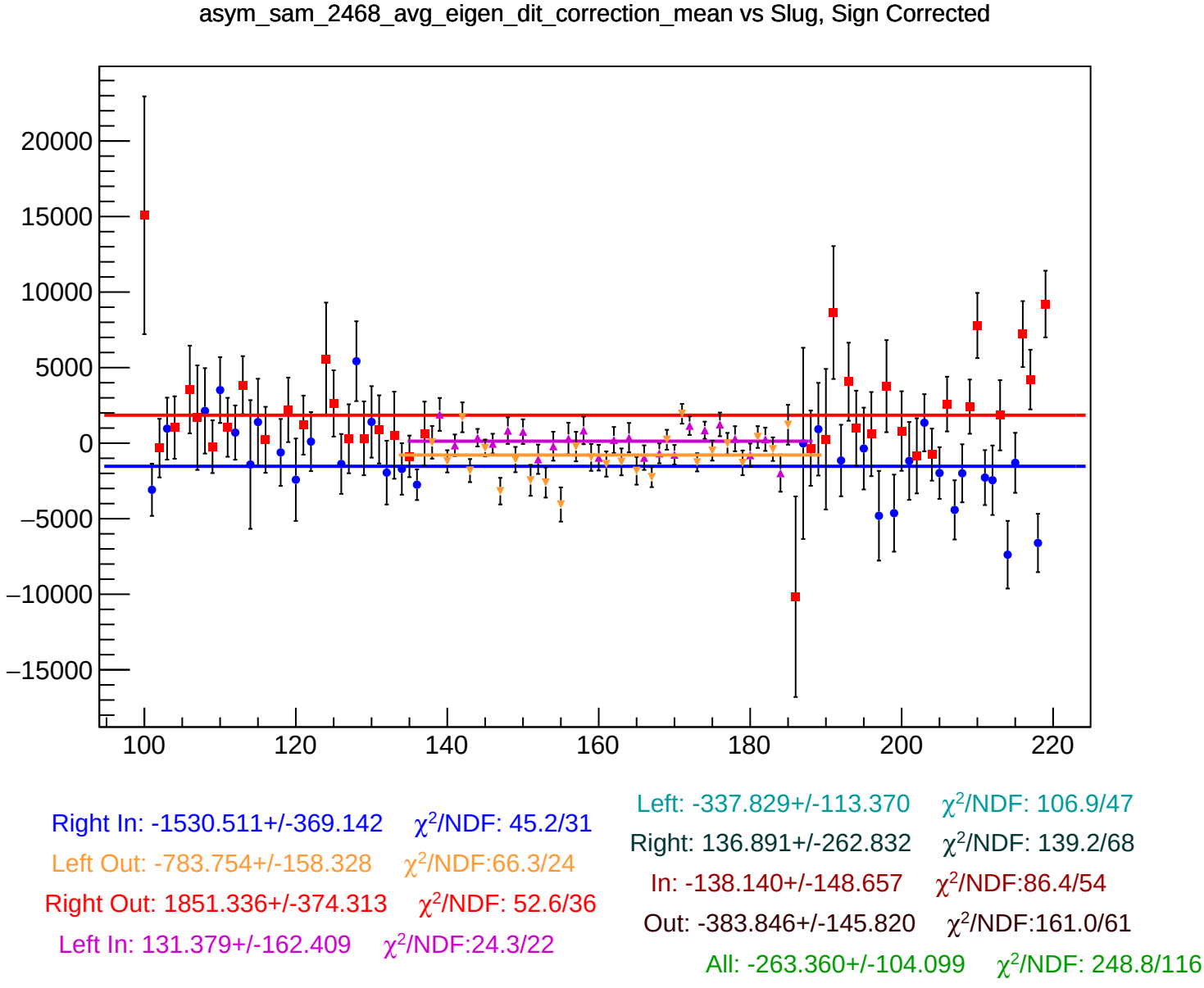
Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

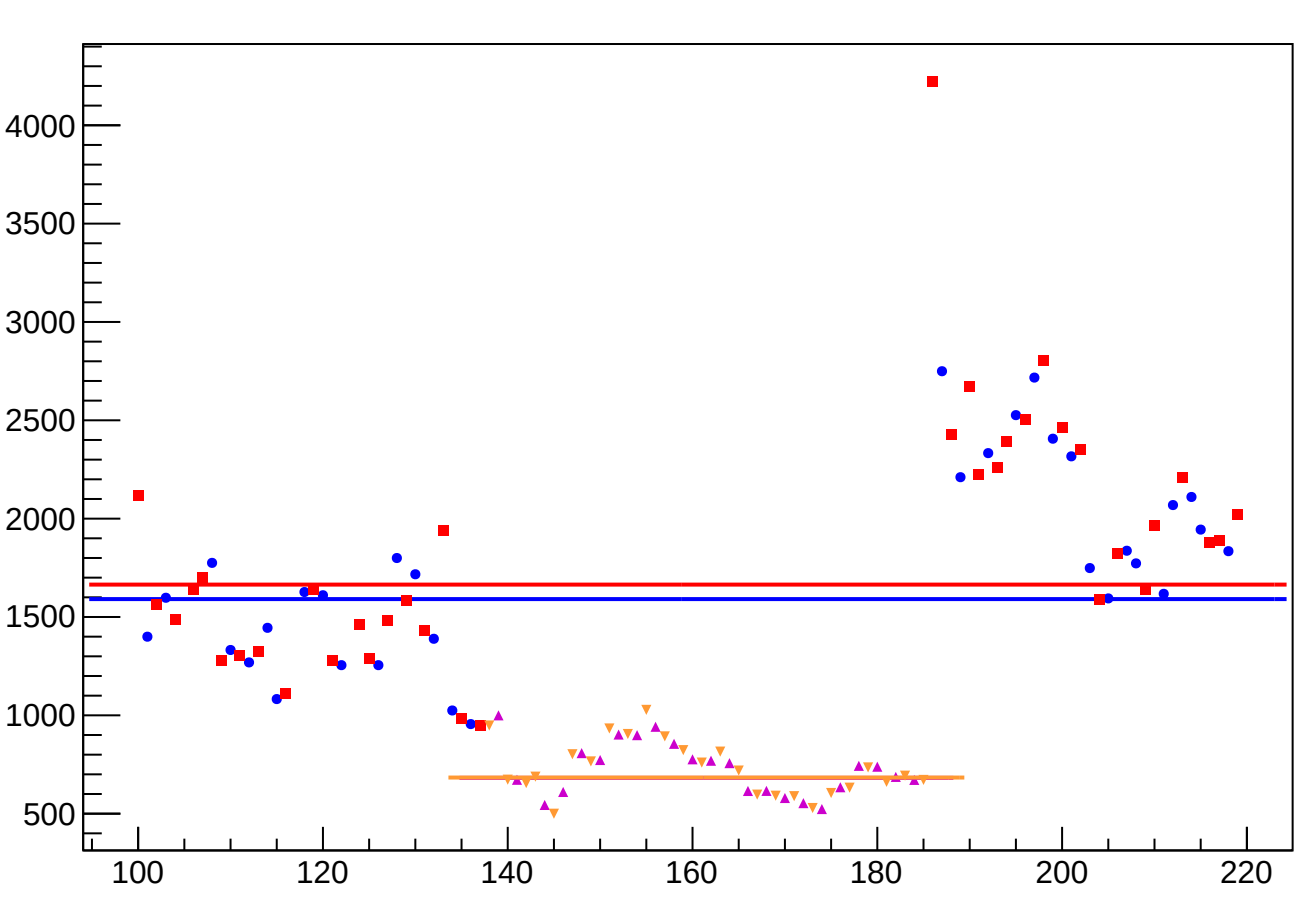
Right: 130.730+/-0.015 χ^2/NDF: 7008293.9/68

In: 109.038+/-0.013 χ^2/NDF:5674932.8/54

Out: 109.709+/-0.013 χ^2/NDF:7516365.6/61

All: 109.378+/-0.009 χ^2/NDF: 13192628.8/1


asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -1530.511+/-369.142 χ²/NDF: 45.2/31
Left Out: -783.754+/-158.328 χ²/NDF:66.3/24
Right Out: 1851.336+/-374.313 χ²/NDF: 52.6/36
Left In: 131.379+/-162.409 χ²/NDF:24.3/22
Left: -337.829+/-113.370 χ²/NDF: 106.9/47
Right: 136.891+/-262.832 χ²/NDF: 139.2/68
In: -138.140+/-148.657 χ²/NDF:86.4/54
Out: -383.846+/-145.820 χ²/NDF:161.0/61
All: -263.360+/-104.099 χ²/NDF: 248.8/116



Right In: 1591.014+/-0.261 χ^2/NDF: 2936656.8/31

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1664.667+/-0.265 χ^2/NDF: 3256033.1/36

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

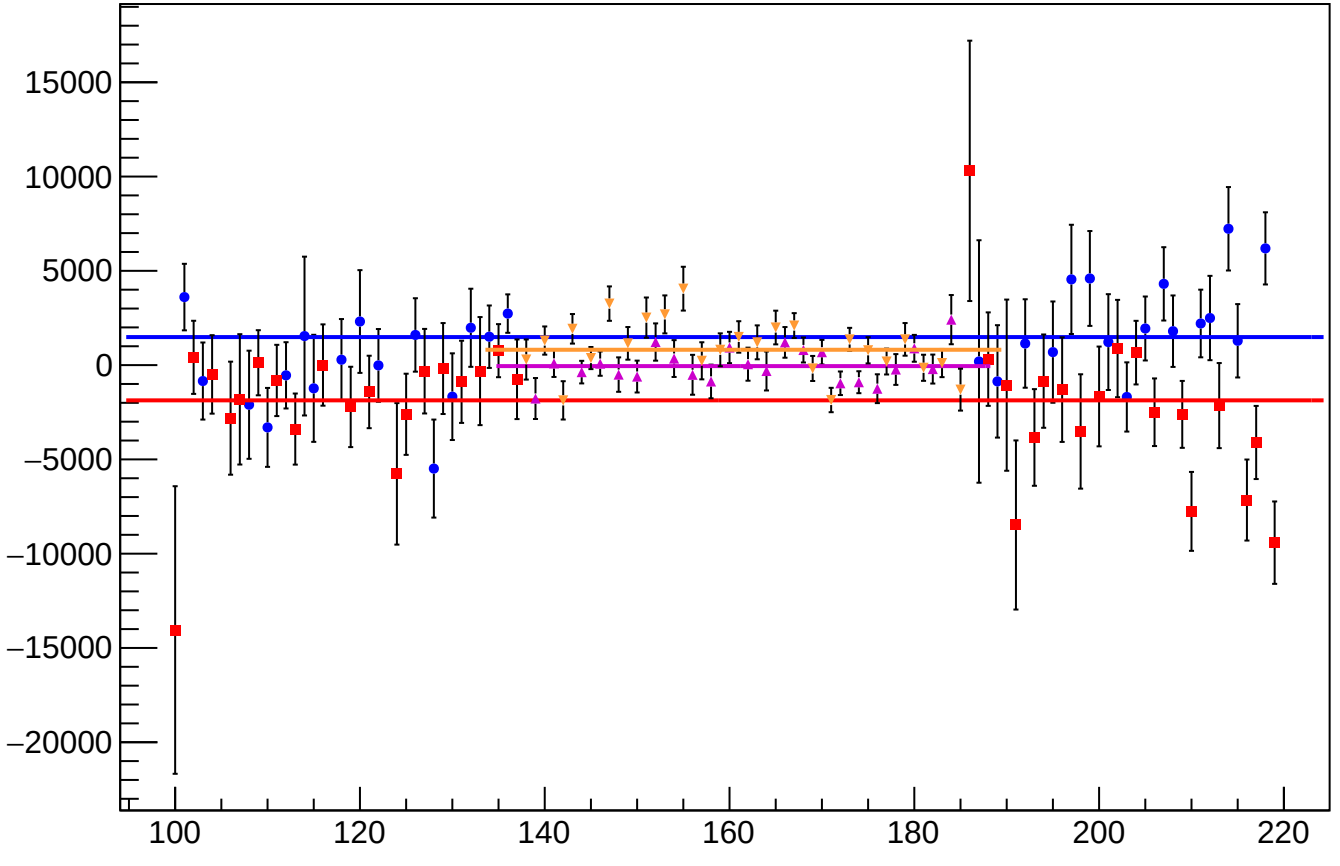
Right: 1627.328+/-0.186 χ^2/NDF: 6231946.2/68

In: 829.387+/-0.105 χ^2/NDF:14284728.5/54

Out: 832.571+/-0.103 χ^2/NDF:16205728.2/61

All: 831.010+/-0.074 χ^2/NDF: 30490924.3/1

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 1486.957+/-364.565 χ^2/NDF: 45.2/31

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -1868.982+/-371.205 χ^2/NDF: 52.2/36

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

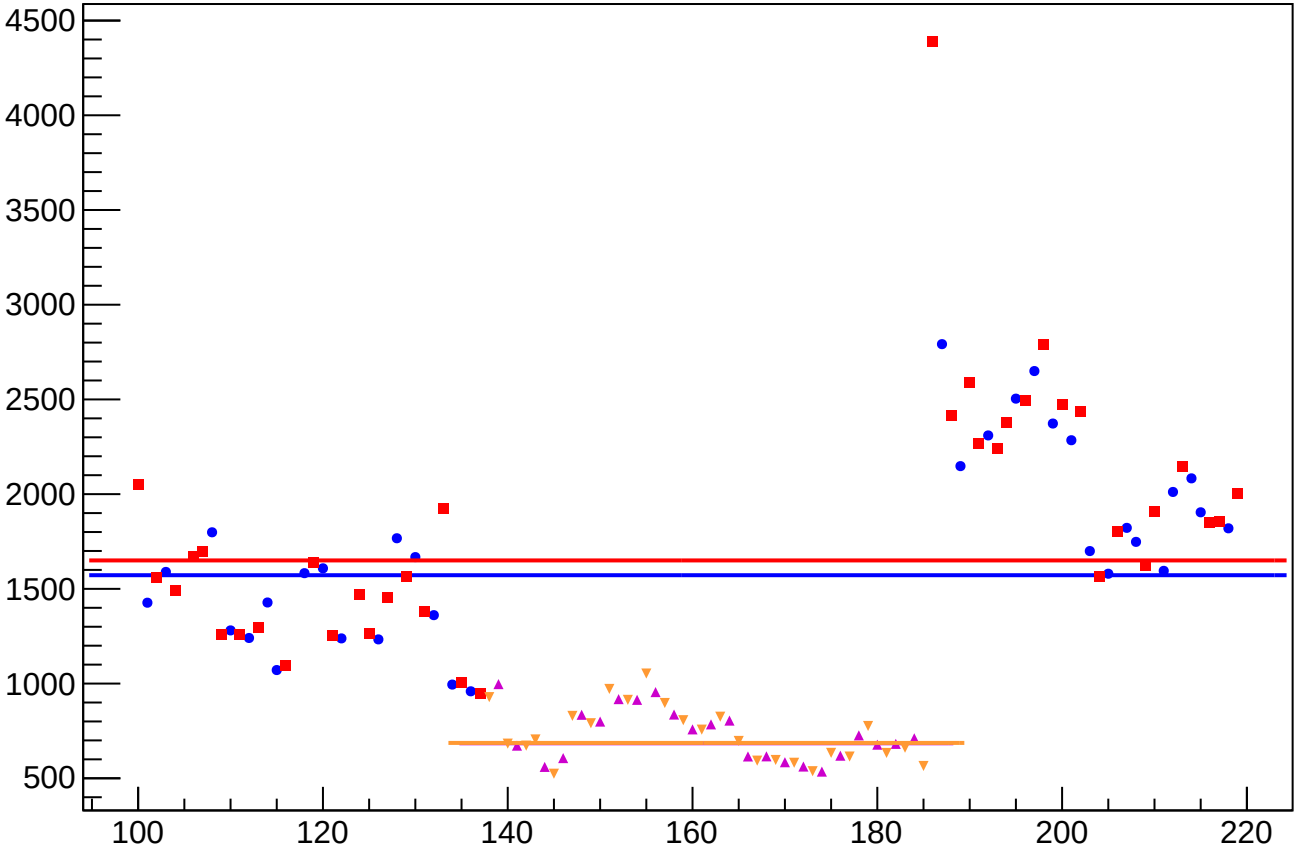
Right: -160.728+/-260.102 χ^2/NDF: 139.0/68

In: 204.244+/-148.831 χ^2/NDF:85.5/54

Out: 396.988+/-146.355 χ^2/NDF:162.1/61

All: 302.233+/-104.353 χ^2/NDF: 248.4/116

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1572.055+/-0.258 χ^2/NDF: 2881864.5/31

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1650.084+/-0.262 χ^2/NDF: 3264138.4/36

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

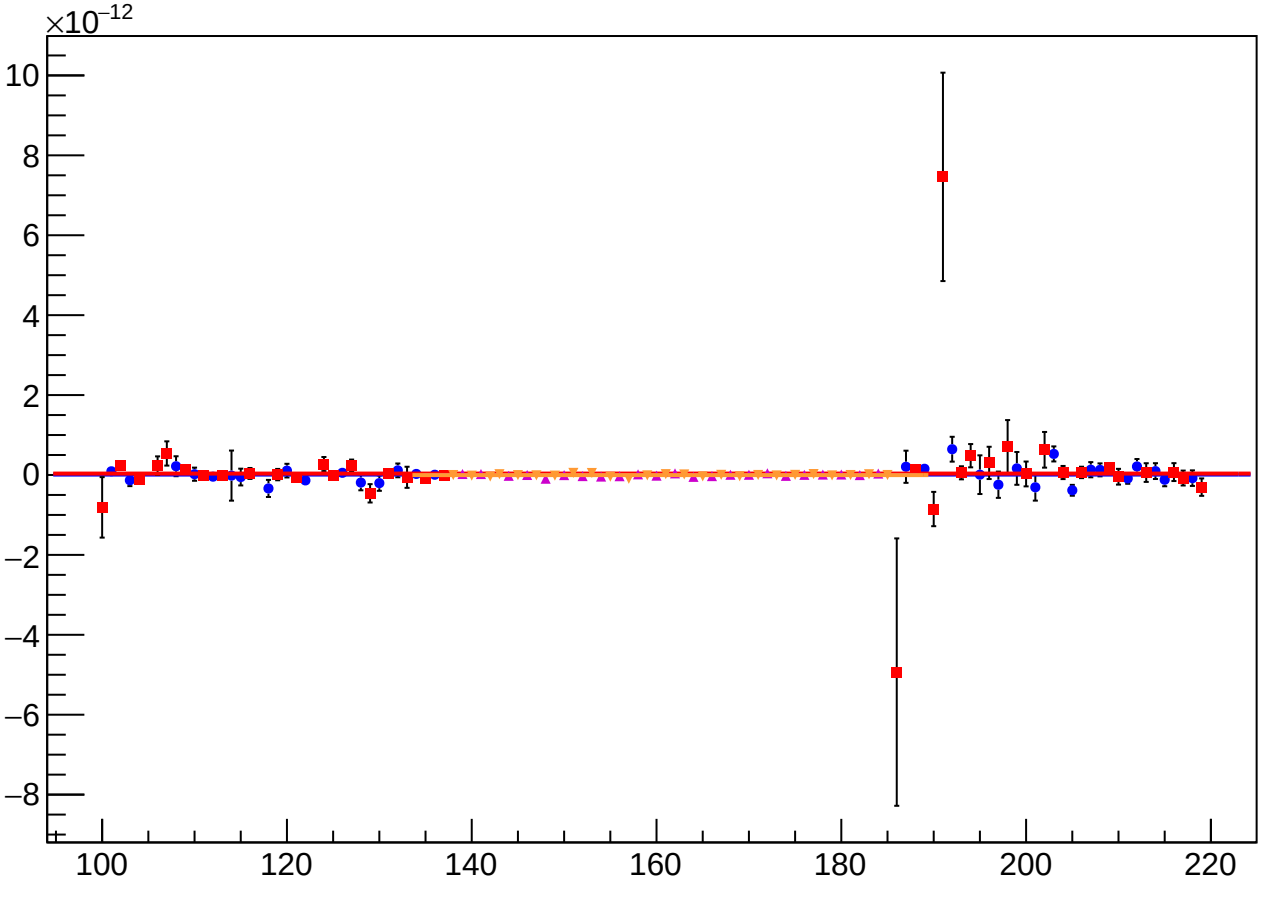
Right: 1610.365+/-0.184 χ^2/NDF: 6190985.8/68

In: 832.641+/-0.105 χ^2/NDF:13919731.7/54

Out: 836.458+/-0.103 χ^2/NDF:15953337.3/61

All: 834.581+/-0.074 χ^2/NDF: 29873737.5/11

asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 38.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 51.0/36

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

Left: -0.000+/-0.000 χ^2/NDF: 37.1/47

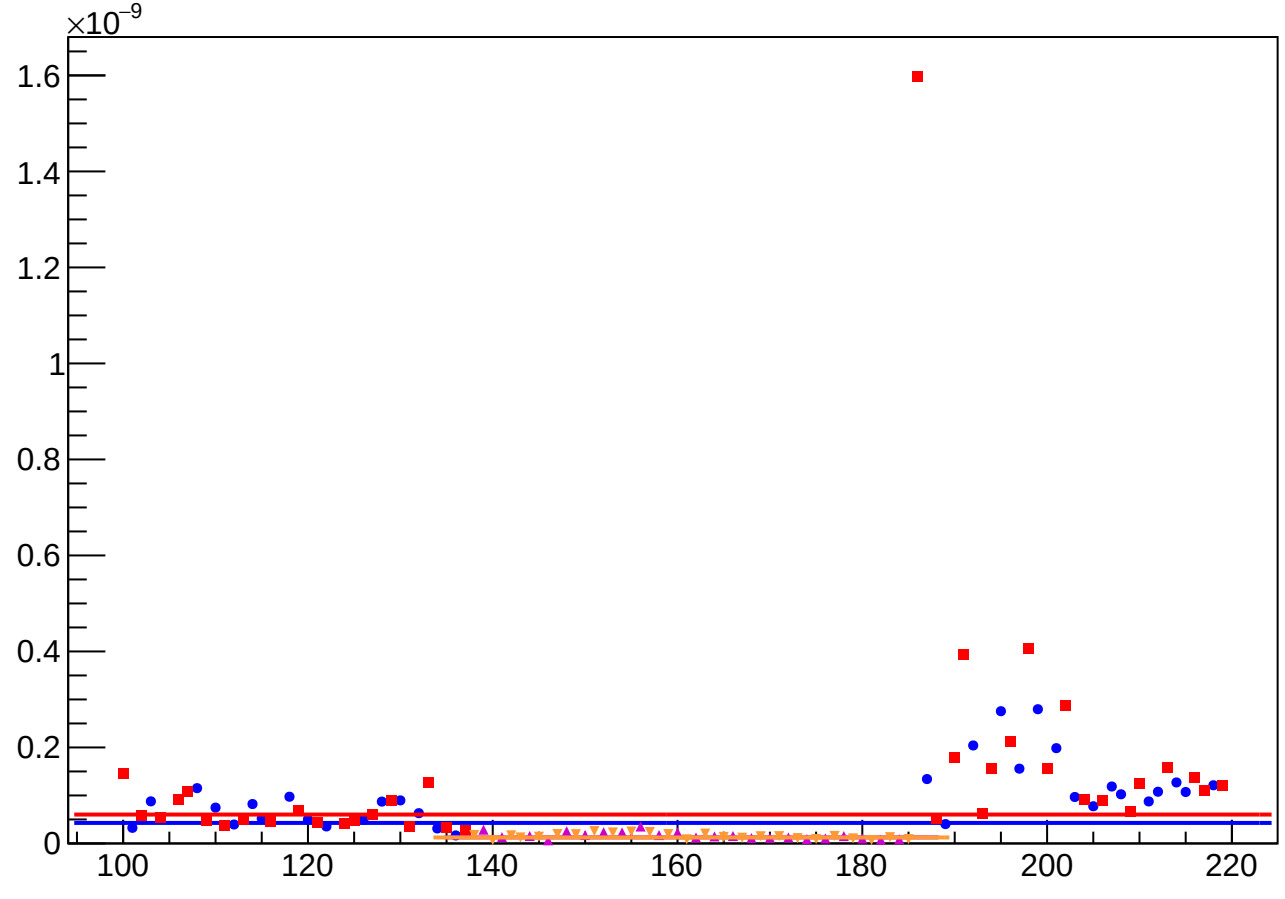
Right: 0.000+/-0.000 χ^2/NDF: 90.2/68

In: 0.000+/-0.000 χ^2/NDF:59.4/54

Out: -0.000+/-0.000 χ^2/NDF:69.9/61

All: -0.000+/-0.000 χ^2/NDF: 129.3/116

asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7312578.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4762837.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

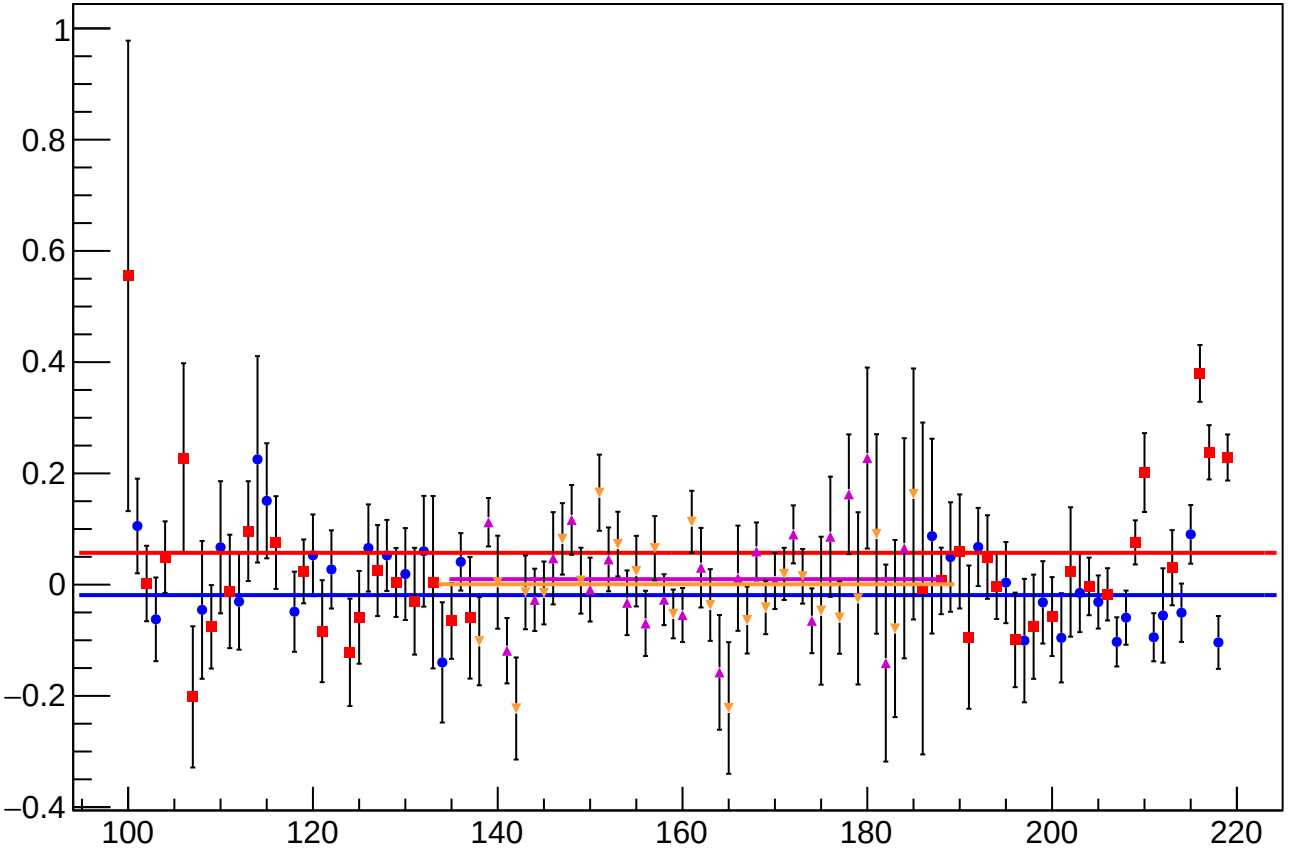
Right: 0.000+/-0.000 χ^2/NDF: 12695292.0/68

In: 0.000+/-0.000 χ^2/NDF:13639435.2/54

Out: 0.000+/-0.000 χ^2/NDF:13889998.4/61

All: 0.000+/-0.000 χ^2/NDF: 27530452.6/116

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.012 χ^2/NDF: 34.3/31

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.057+/-0.012 χ^2/NDF: 115.6/36

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

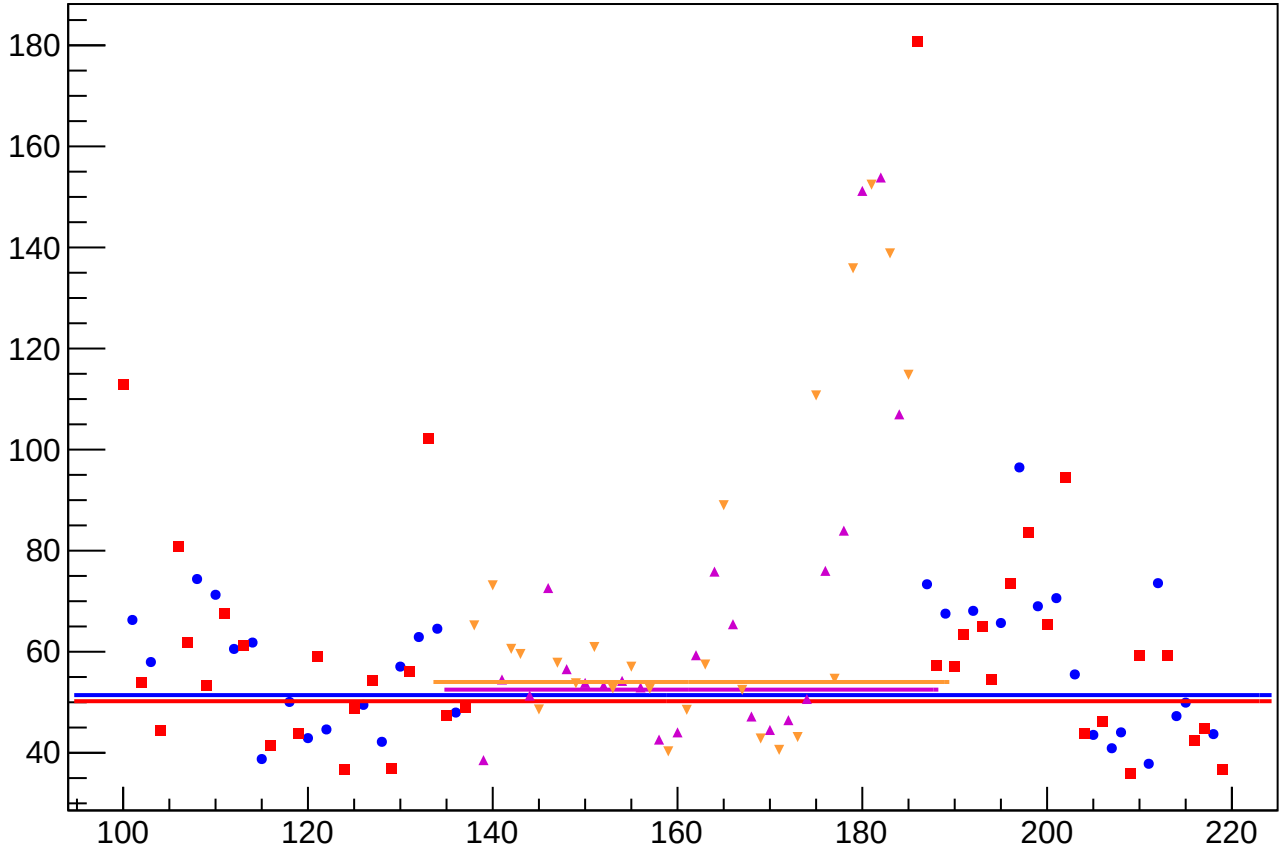
Right: 0.021+/-0.008 χ^2/NDF: 170.3/68

In: -0.006+/-0.009 χ^2/NDF:68.8/54

Out: 0.032+/-0.009 χ^2/NDF:157.6/61

All: 0.014+/-0.006 χ^2/NDF: 235.6/116

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.420+/-0.009 χ^2/NDF: 1875153.5/31

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 50.212+/-0.008 χ^2/NDF: 2648030.1/36

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

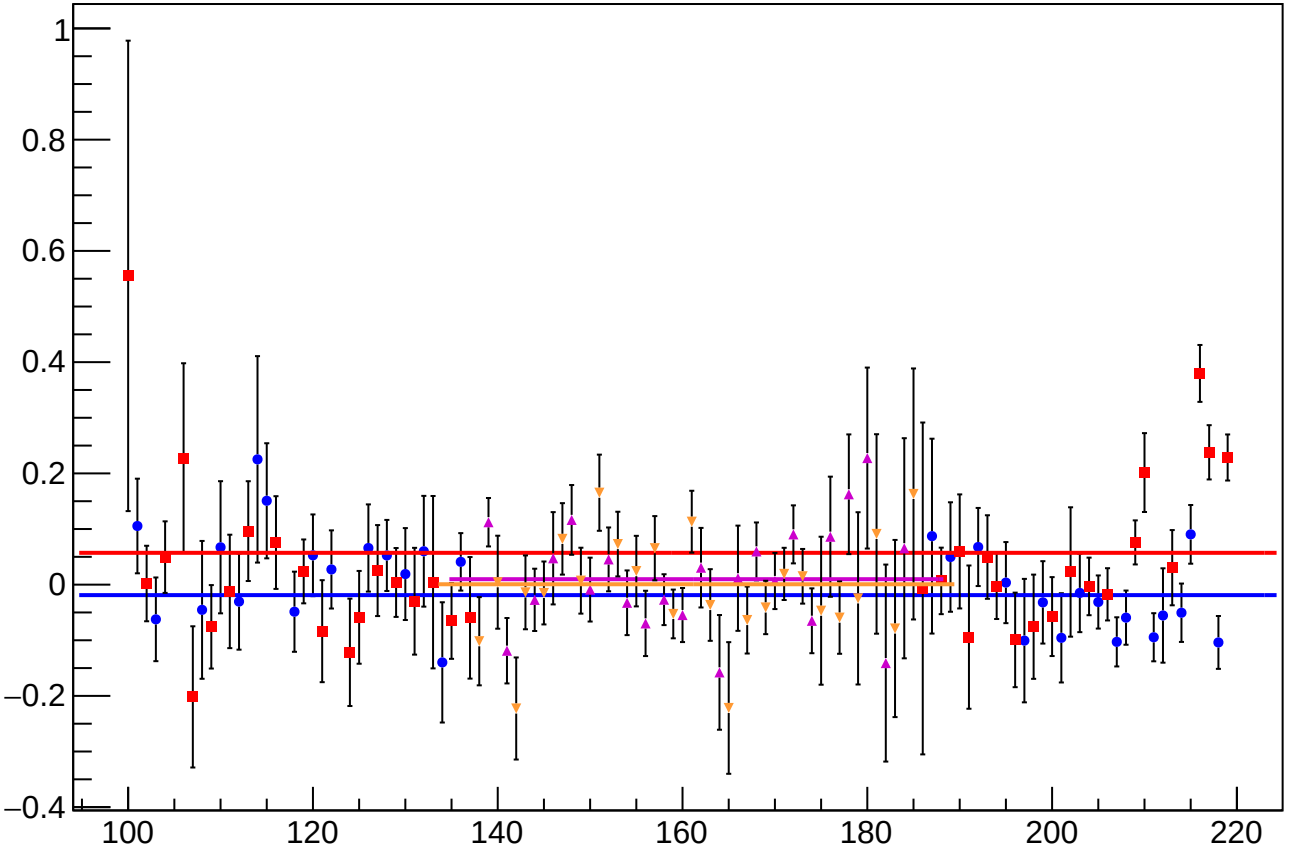
Right: 50.791+/-0.006 χ^2/NDF: 4533453.8/68

In: 51.916+/-0.006 χ^2/NDF:4440174.3/54

Out: 51.875+/-0.006 χ^2/NDF:5968393.8/61

All: 51.895+/-0.004 χ^2/NDF: 10408589.0/116

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.012 χ^2/NDF: 34.3/31

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.057+/-0.012 χ^2/NDF: 115.6/36

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

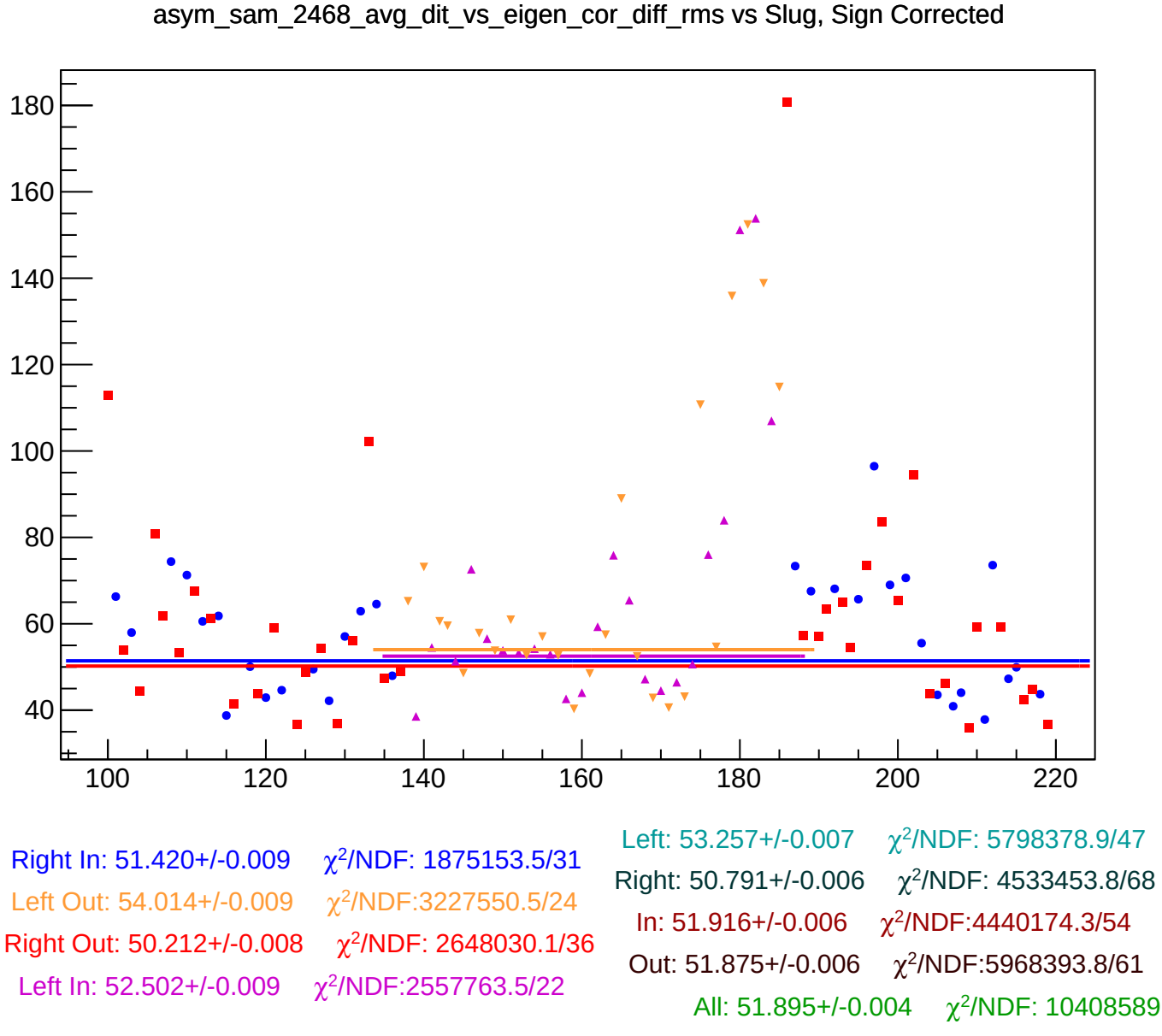
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

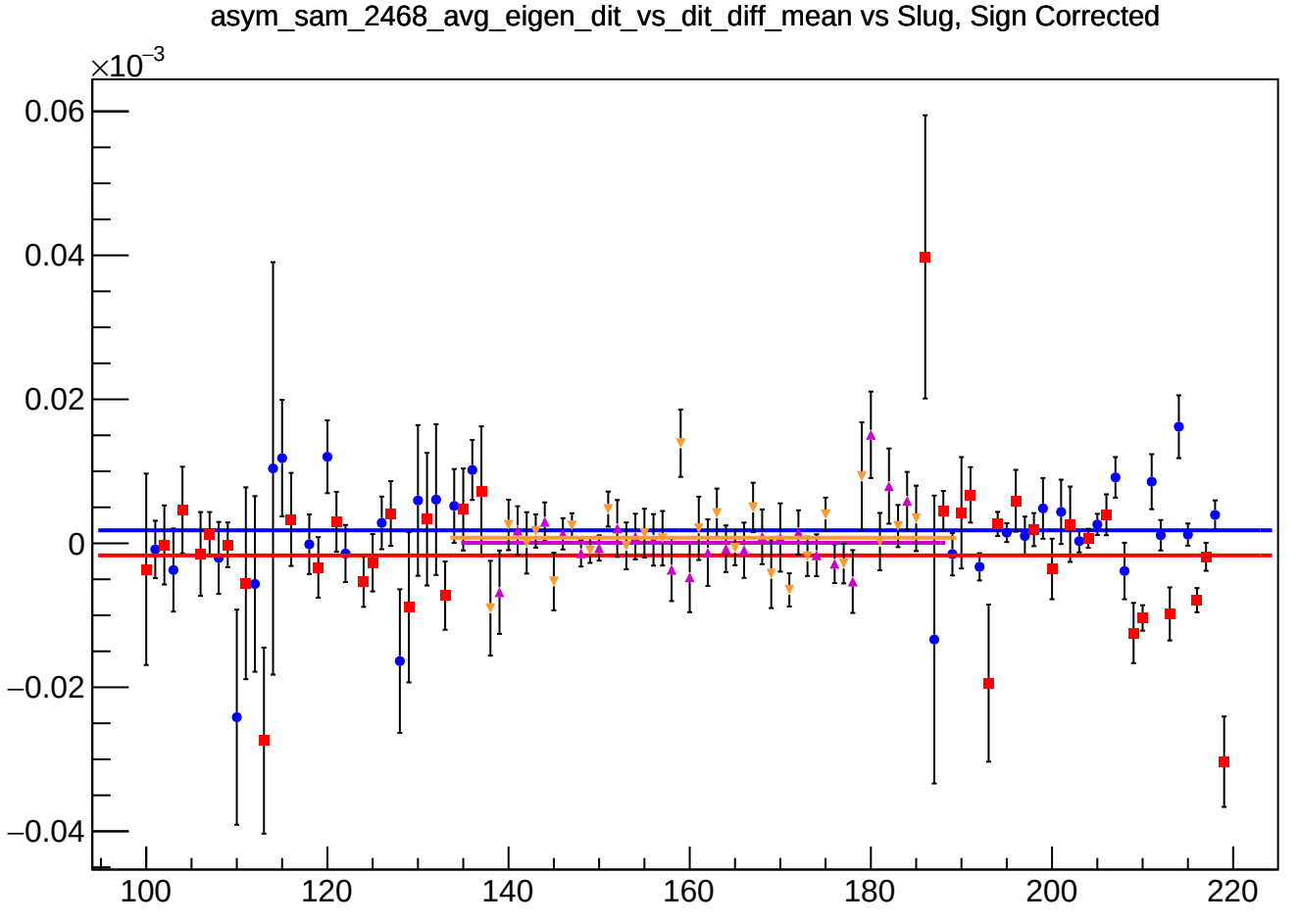
Right: 0.021+/-0.008 χ^2/NDF: 170.3/68

In: -0.006+/-0.009 χ^2/NDF:68.8/54

Out: 0.032+/-0.009 χ^2/NDF:157.6/61

All: 0.014+/-0.006 χ^2/NDF: 235.6/116


asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
180
160
140
120
100
80
60
40
100
120
140
160
180
200
220
Right In: 51.420+/-0.009 χ²/NDF: 1875153.5/31
Left Out: 54.014+/-0.009 χ²/NDF:3227550.5/24
Right Out: 50.212+/-0.008 χ²/NDF: 2648030.1/36
Left In: 52.502+/-0.009 χ²/NDF:2557763.5/22
Left: 53.257+/-0.007 χ²/NDF: 5798378.9/47
Right: 50.791+/-0.006 χ²/NDF: 4533453.8/68
In: 51.916+/-0.006 χ²/NDF:4440174.3/54
Out: 51.875+/-0.006 χ²/NDF:5968393.8/61
All: 51.895+/-0.004 χ²/NDF: 10408589.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 55.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 123.9/36

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

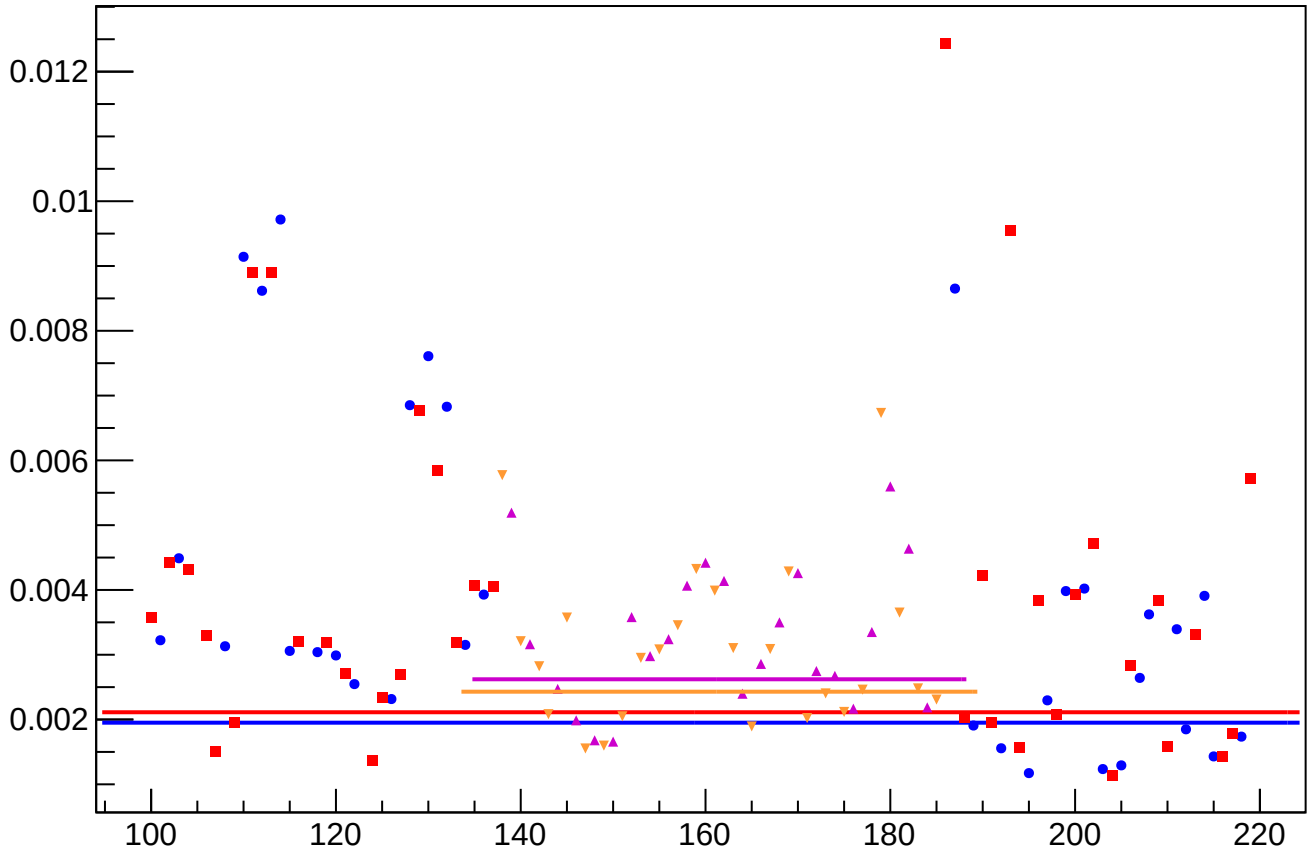
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 201.6/68

In: 0.000+/-0.000 χ^2/NDF:80.1/54

Out: -0.000+/-0.000 χ^2/NDF:171.4/61

All: 0.000+/-0.000 χ^2/NDF: 260.8/116



Right In: 0.002+/-0.000 χ^2/NDF: 8485391.6/31

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9457235.5/36

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

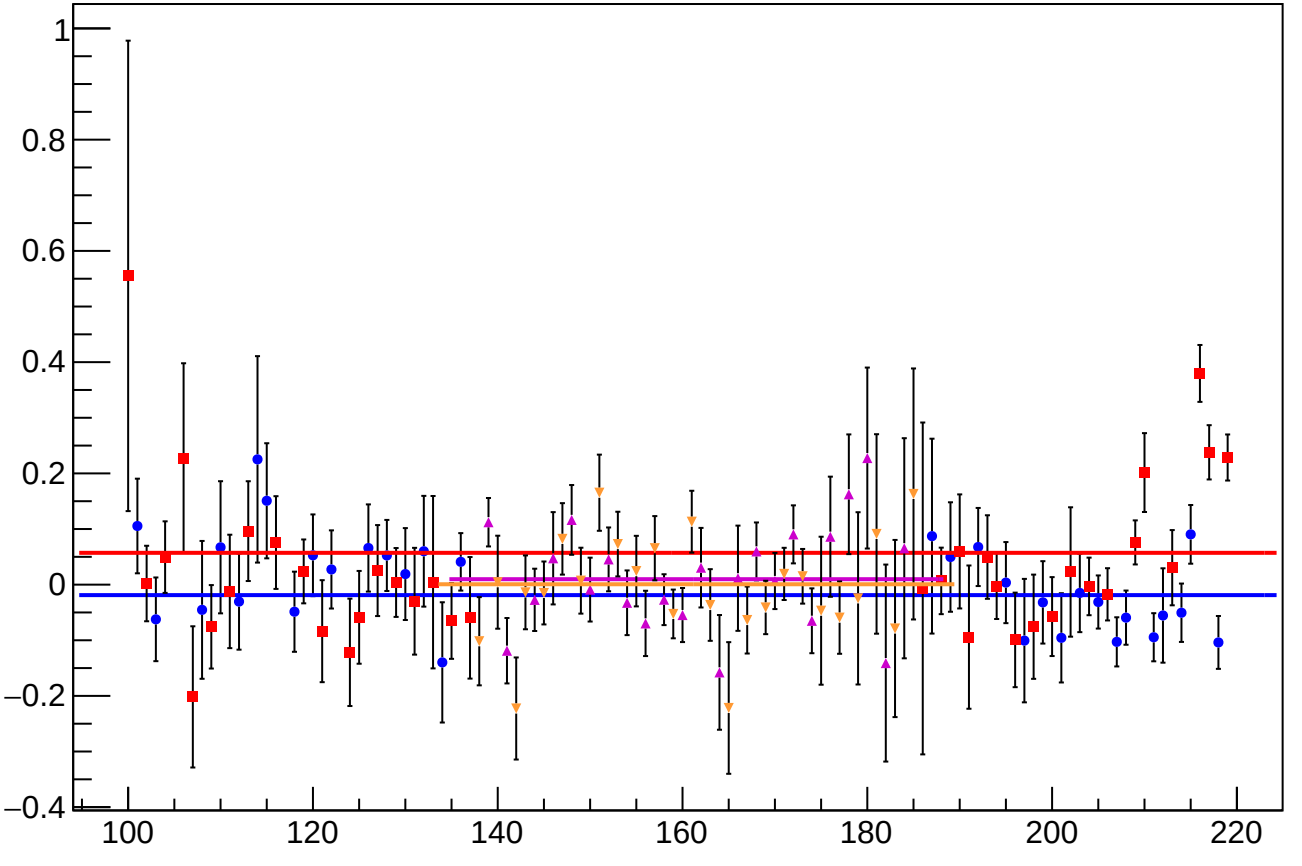
Right: 0.002+/-0.000 χ^2/NDF: 18036903.0/68

In: 0.002+/-0.000 χ^2/NDF:13725008.8/54

Out: 0.002+/-0.000 χ^2/NDF:13992100.6/61

All: 0.002+/-0.000 χ^2/NDF: 27734642.2/116

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.012 χ^2/NDF: 34.3/31

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.057+/-0.012 χ^2/NDF: 115.6/36

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

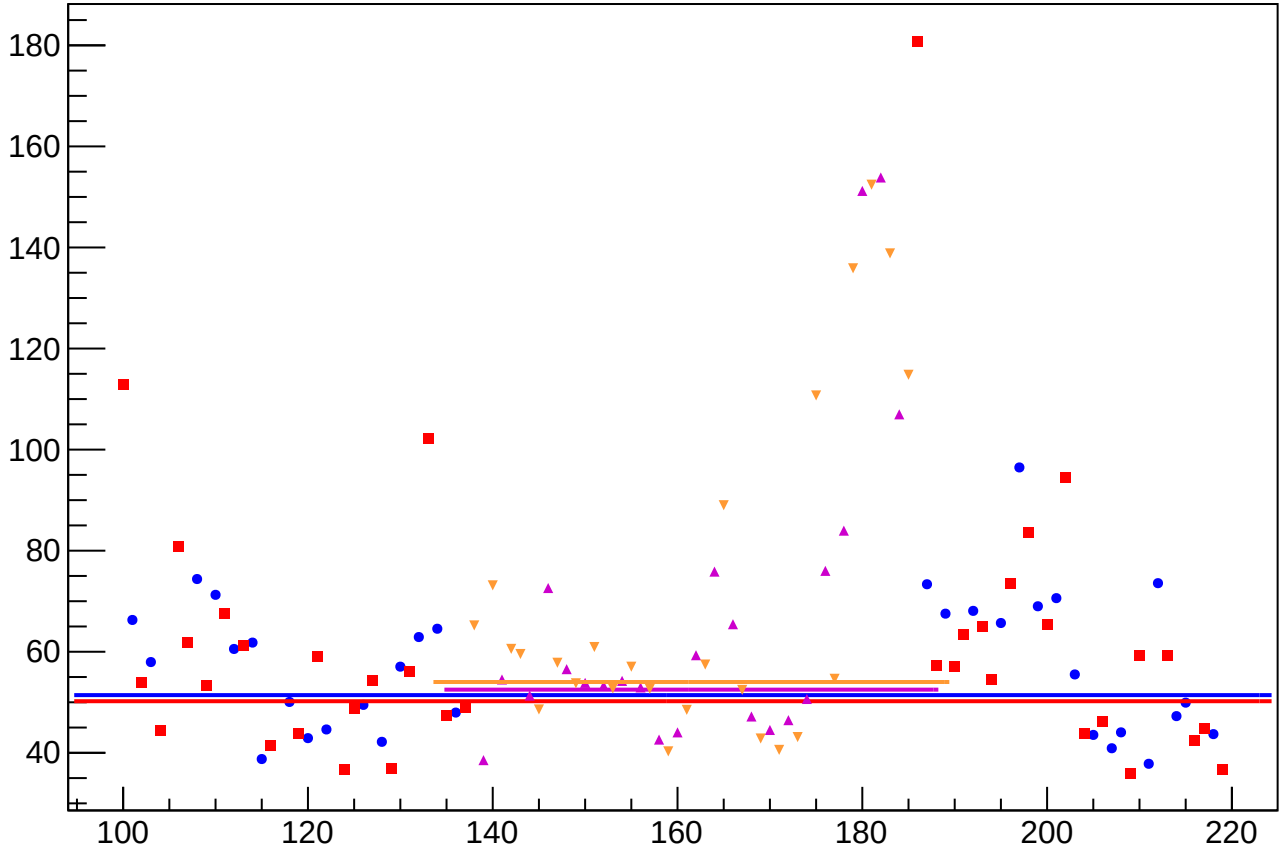
Right: 0.021+/-0.008 χ^2/NDF: 170.3/68

In: -0.006+/-0.009 χ^2/NDF:68.8/54

Out: 0.032+/-0.009 χ^2/NDF:157.5/61

All: 0.014+/-0.006 χ^2/NDF: 235.6/116

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.419+/-0.009 χ^2/NDF: 1875057.2/31

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 50.211+/-0.008 χ^2/NDF: 2648030.6/36

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

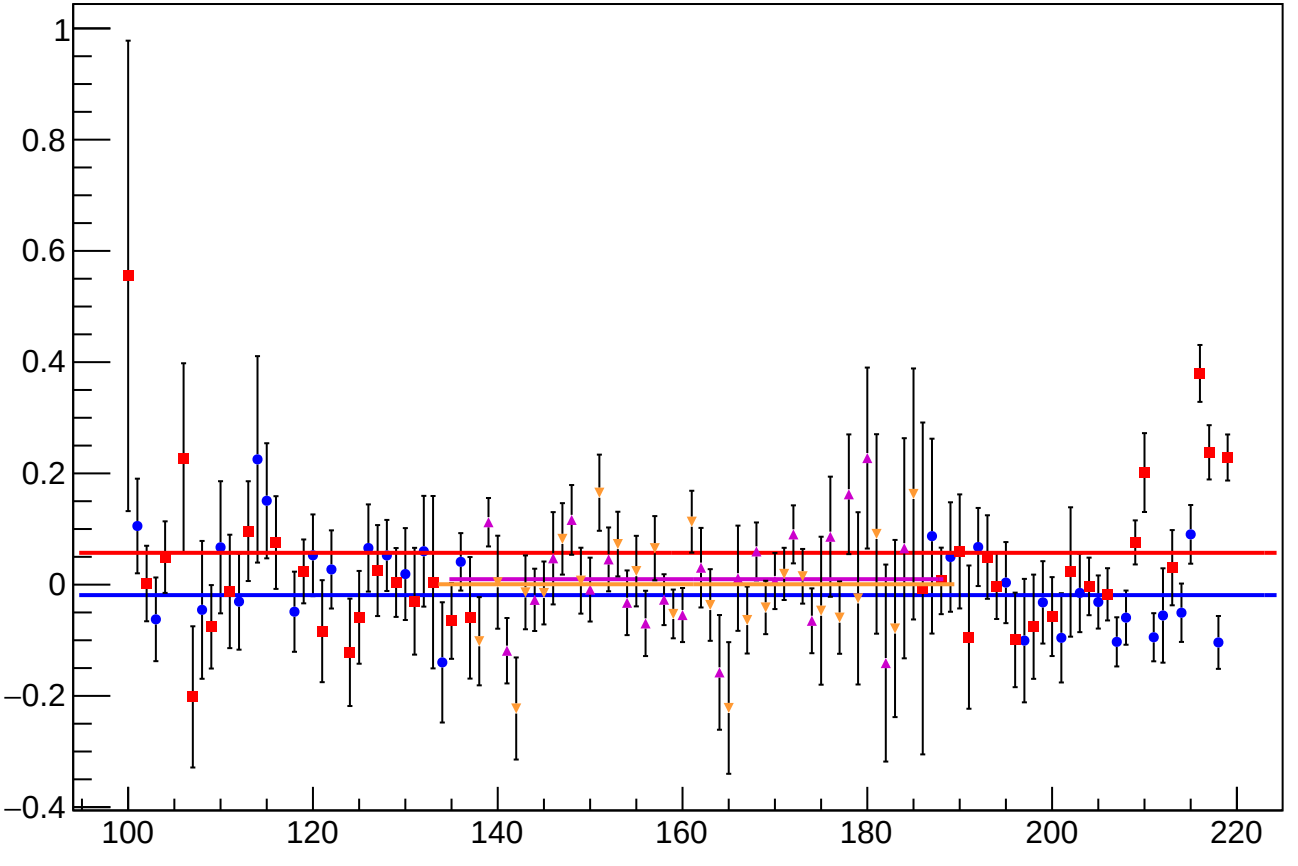
Right: 50.791+/-0.006 χ^2/NDF: 4533359.0/68

In: 51.916+/-0.006 χ^2/NDF:4440130.4/54

Out: 51.875+/-0.006 χ^2/NDF:5968455.6/61

All: 51.895+/-0.004 χ^2/NDF: 10408607.0/116

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.012 χ^2/NDF: 34.3/31

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.057+/-0.012 χ^2/NDF: 115.6/36

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

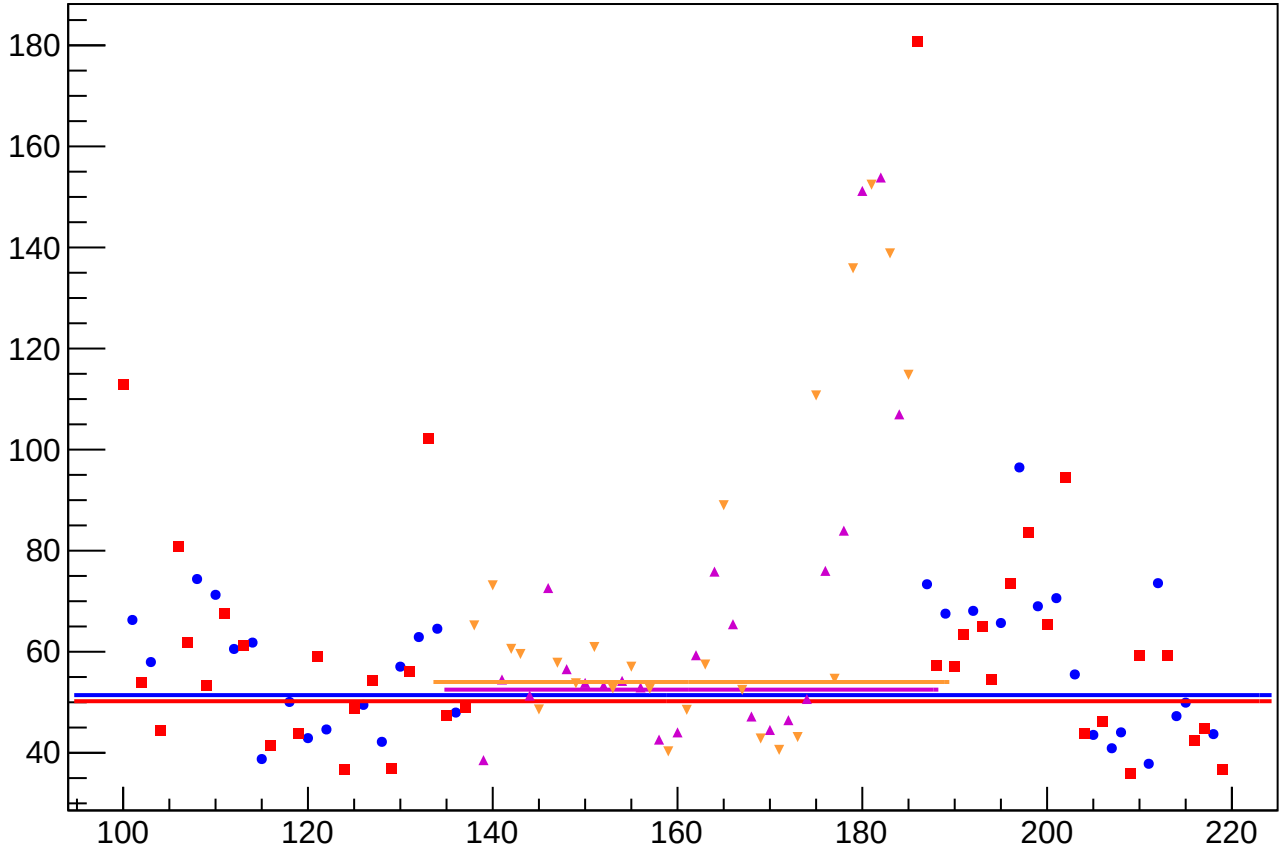
Right: 0.021+/-0.008 χ^2/NDF: 170.3/68

In: -0.006+/-0.009 χ^2/NDF:68.8/54

Out: 0.032+/-0.009 χ^2/NDF:157.5/61

All: 0.014+/-0.006 χ^2/NDF: 235.6/116

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.419+/-0.009 χ^2/NDF: 1875057.2/31

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 50.211+/-0.008 χ^2/NDF: 2648030.6/36

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

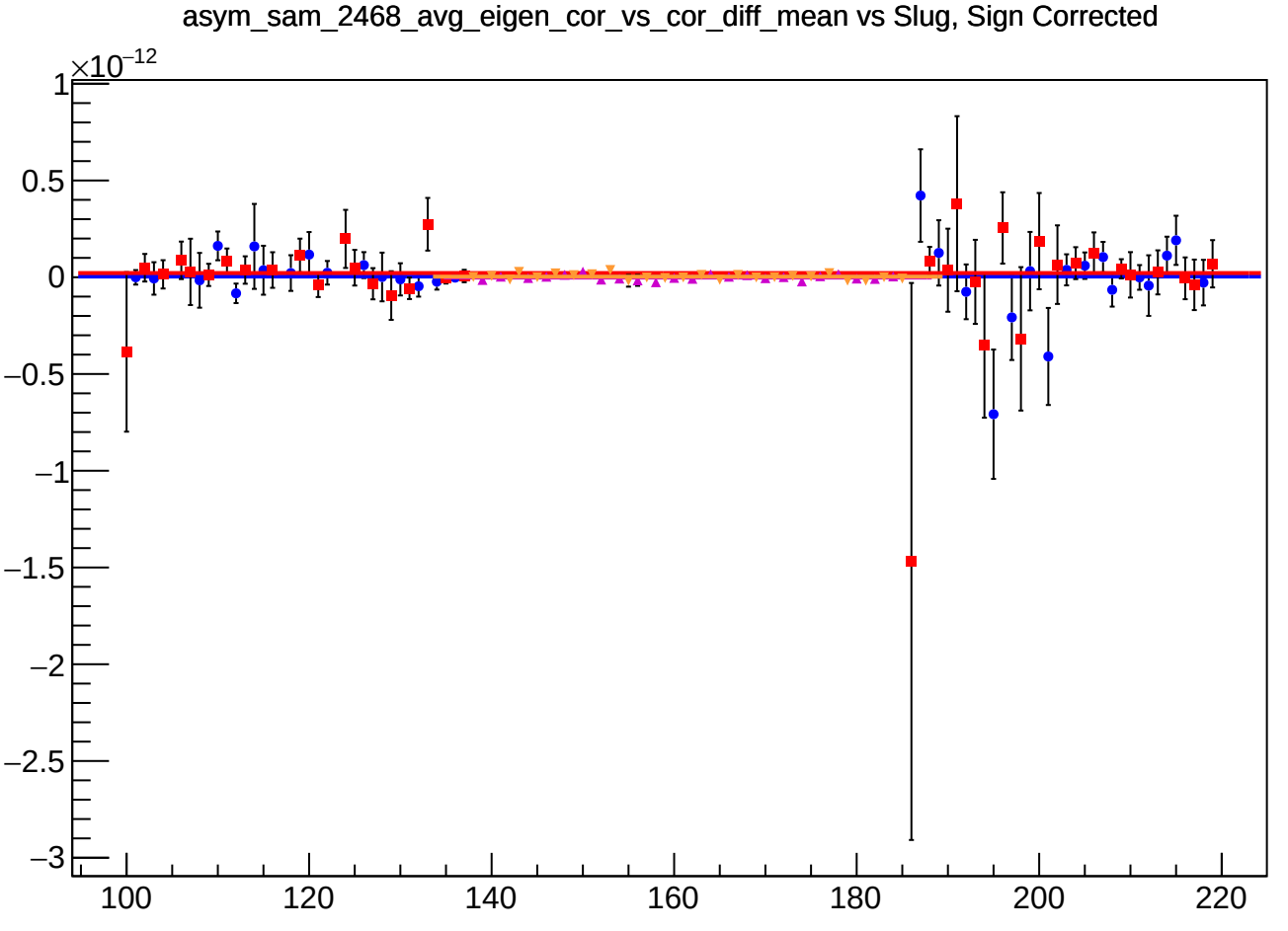
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 50.791+/-0.006 χ^2/NDF: 4533359.0/68

In: 51.916+/-0.006 χ^2/NDF:4440130.4/54

Out: 51.875+/-0.006 χ^2/NDF:5968455.6/61

All: 51.895+/-0.004 χ^2/NDF: 10408607.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 30.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.5/36

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

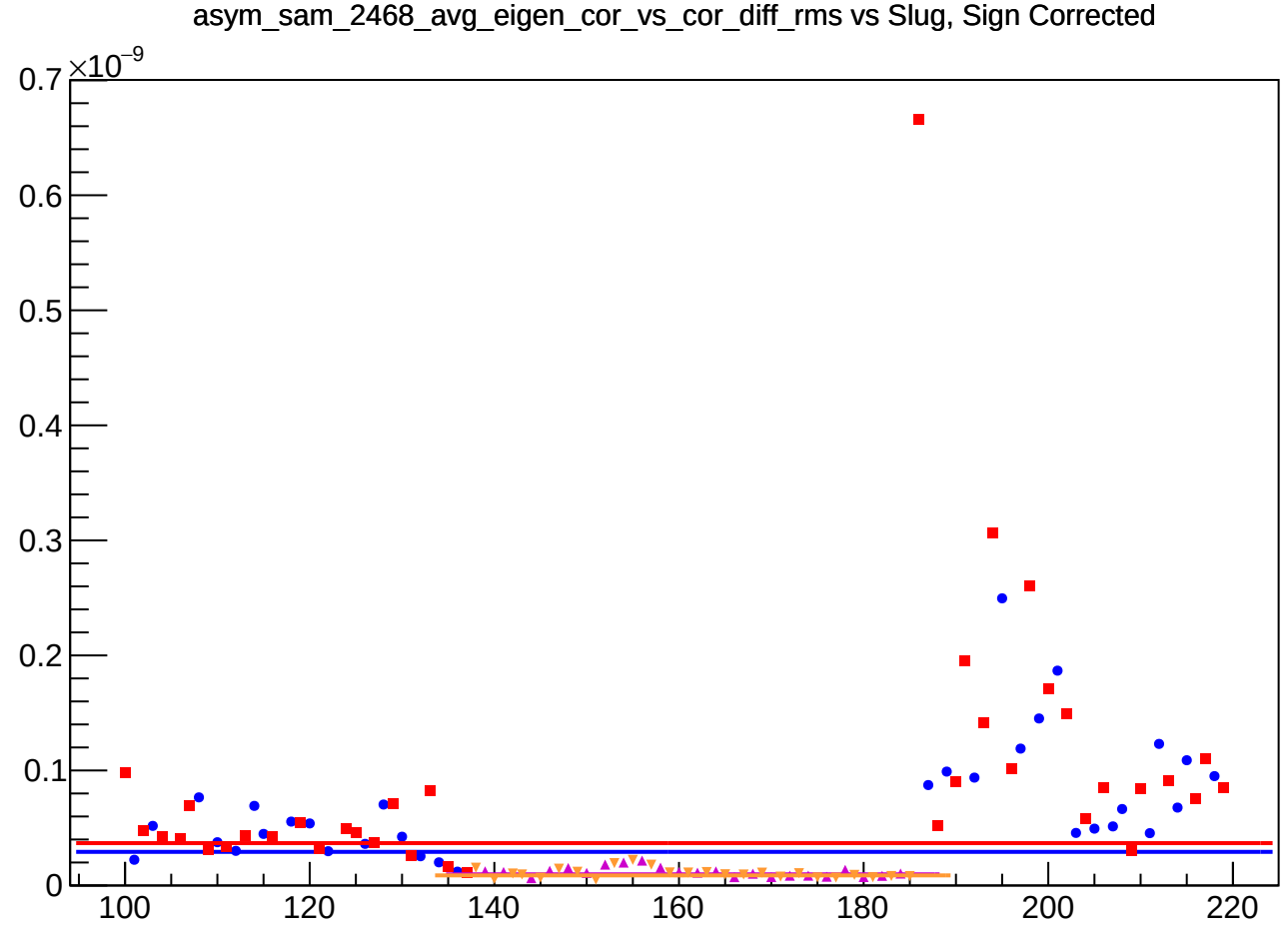
Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

Right: 0.000+/-0.000 χ^2/NDF: 53.8/68

In: -0.000+/-0.000 χ^2/NDF:45.7/54

Out: 0.000+/-0.000 χ^2/NDF:46.4/61

All: 0.000+/-0.000 χ^2/NDF: 93.8/116



Right In: 0.000+/-0.000 χ^2/NDF: 10196905.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10188114.6/36

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

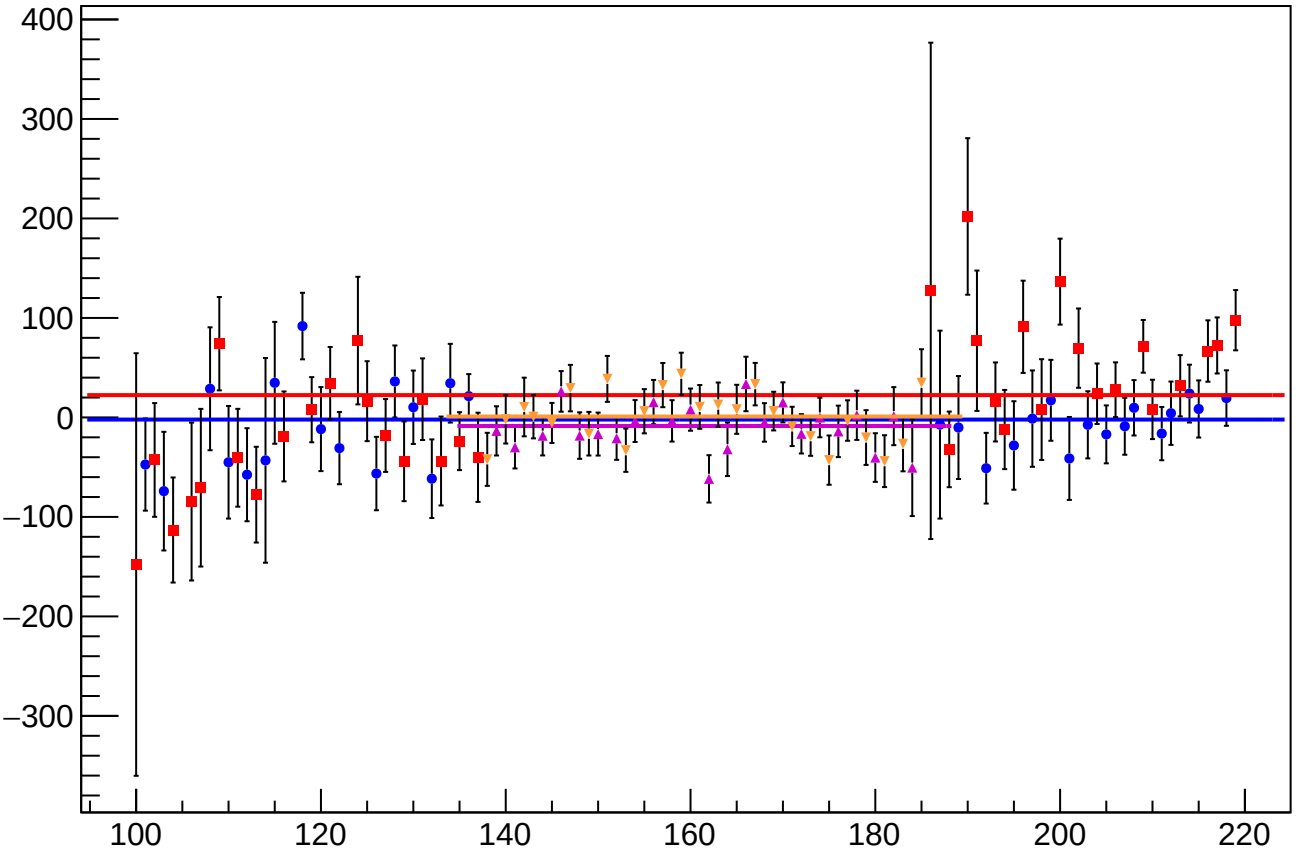
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 20789800.1/68

In: 0.000+/-0.000 χ^2/NDF:18453320.2/54

Out: 0.000+/-0.000 χ^2/NDF:21880196.3/61

All: 0.000+/-0.000 χ^2/NDF: 40482519.5/116



Right In: -2.145+/-6.464 χ^2/NDF: 27.1/31

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 22.447+/-6.558 χ^2/NDF: 66.1/36

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

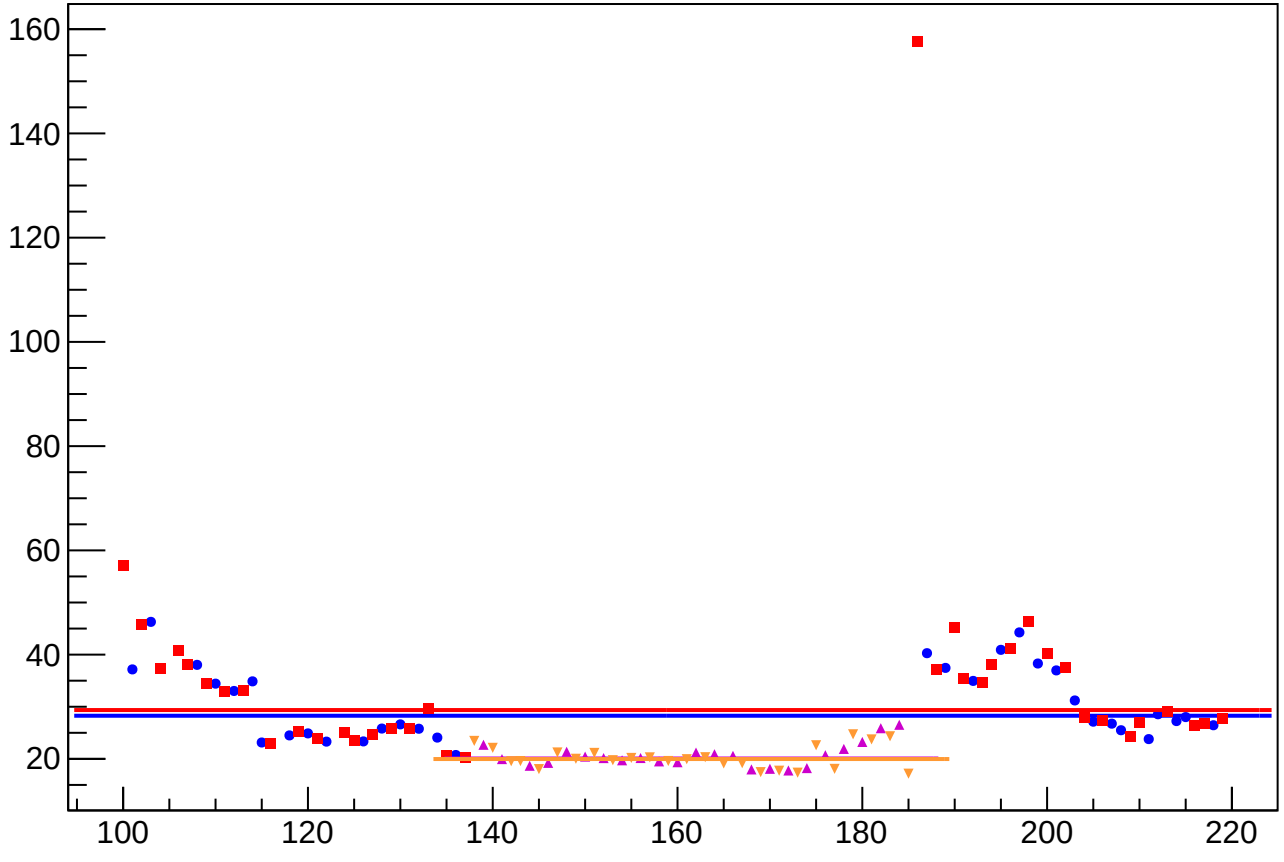
Right: 9.974+/-4.604 χ^2/NDF: 100.4/68

In: -6.353+/-3.814 χ^2/NDF:47.1/54

Out: 7.963+/-3.752 χ^2/NDF:102.6/61

All: 0.922+/-2.675 χ^2/NDF: 156.9/116

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 28.276+/-0.005 χ^2/NDF: 1624443.9/31

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.367+/-0.005 χ^2/NDF: 2395717.9/36

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

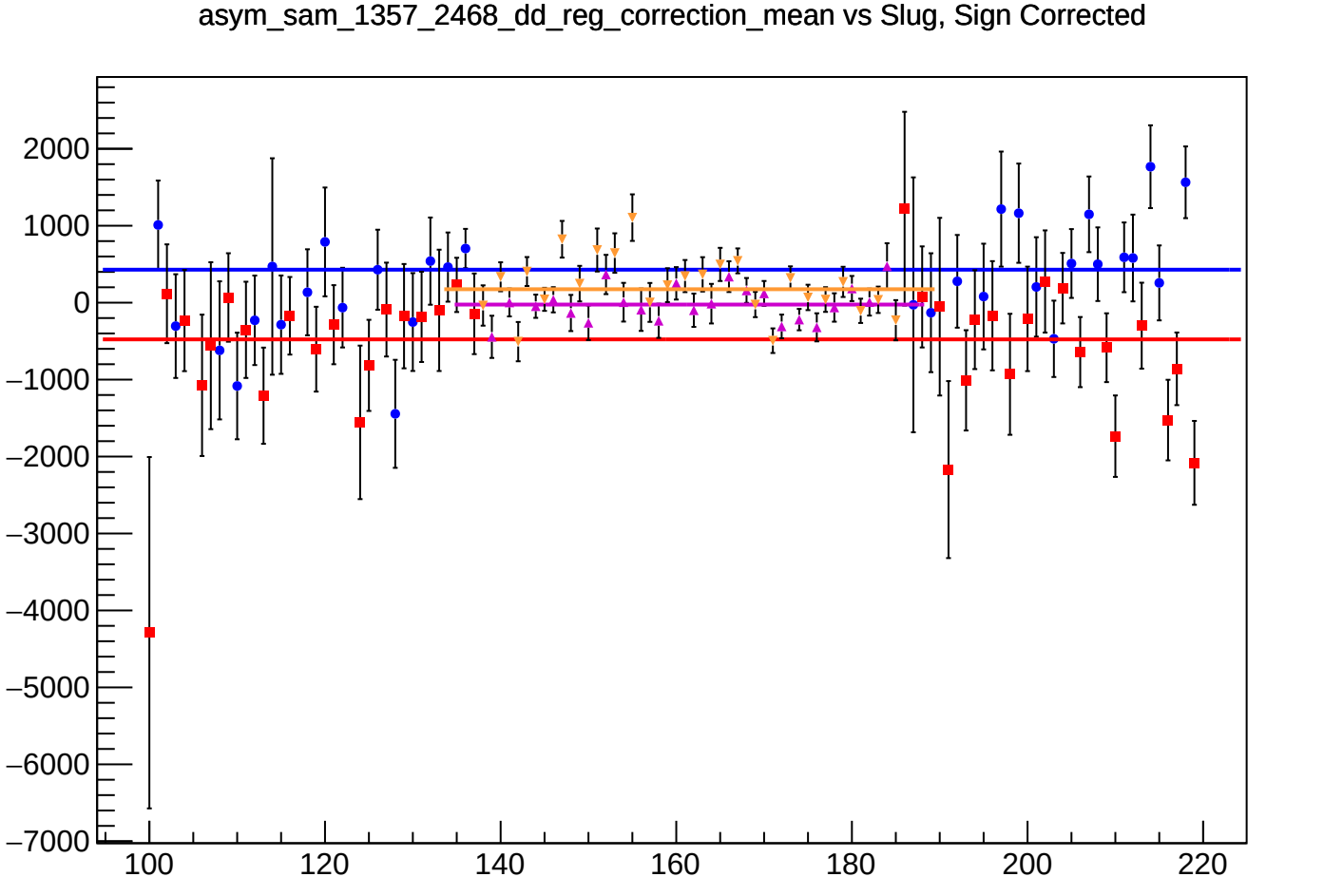
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 28.813+/-0.003 χ^2/NDF: 4048244.9/68

In: 22.928+/-0.003 χ^2/NDF:4025735.8/54

Out: 23.044+/-0.003 χ^2/NDF:5545759.4/61

All: 22.987+/-0.002 χ^2/NDF: 9572443.0/116



Right In: 428.639+/-96.977 χ^2/NDF: 43.1/31

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -477.098+/-99.416 χ^2/NDF: 43.1/36

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

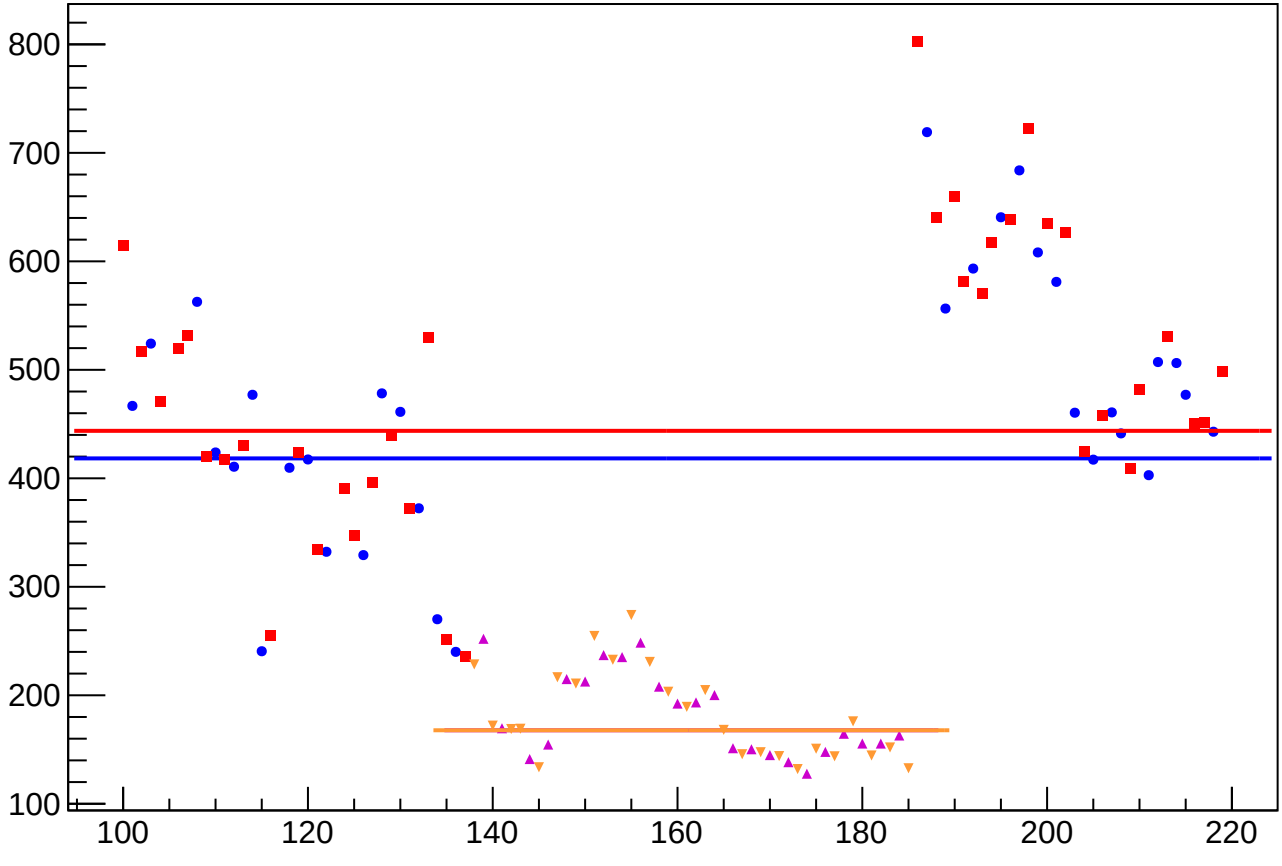
Right: -12.984+/-69.419 χ^2/NDF: 128.8/68

In: 41.506+/-37.033 χ^2/NDF:88.7/54

Out: 87.575+/-36.346 χ^2/NDF:151.5/61

All: 64.972+/-25.940 χ^2/NDF: 241.0/116

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 418.357+/-0.069 χ^2/NDF: 2852368.8/31

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 443.764+/-0.070 χ^2/NDF: 2954168.2/36

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

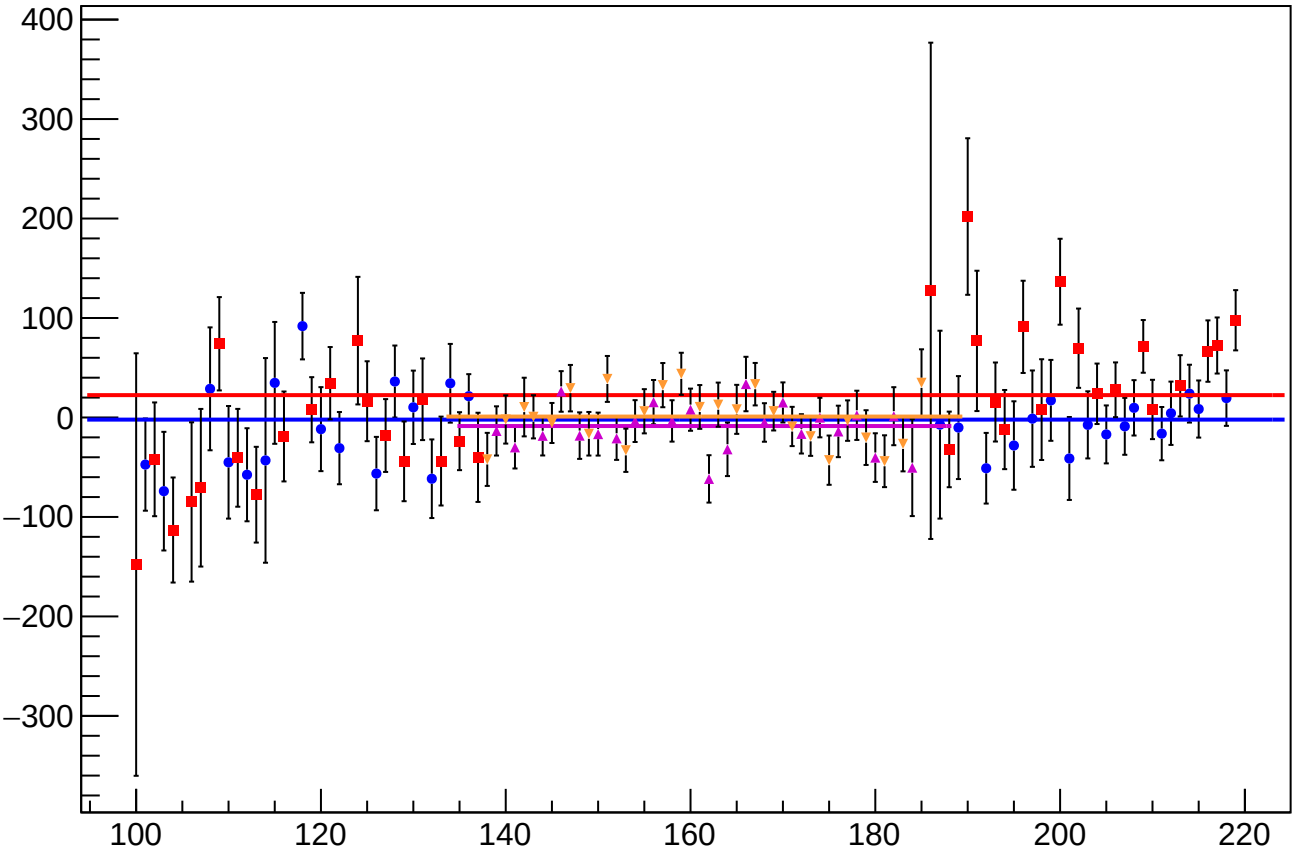
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 430.745+/-0.049 χ^2/NDF: 5873474.2/68

In: 204.295+/-0.026 χ^2/NDF:15663971.8/54

Out: 204.646+/-0.026 χ^2/NDF:17887801.6/61

All: 204.473+/-0.018 χ^2/NDF: 33551864.8/1



Right In: -2.143+/-6.464 χ^2/NDF: 27.1/31

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 22.468+/-6.559 χ^2/NDF: 66.1/36

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

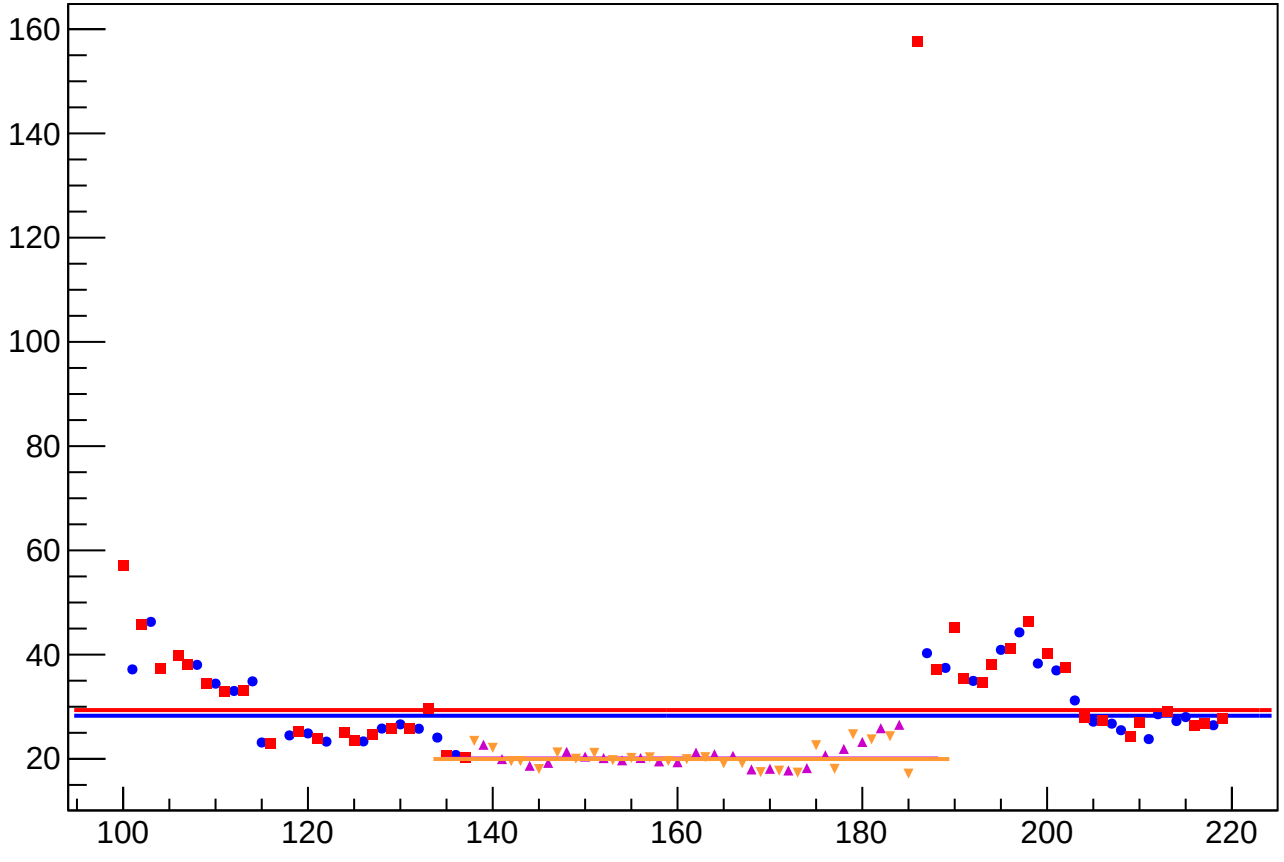
Right: 9.985+/-4.604 χ^2/NDF: 100.4/68

In: -6.353+/-3.814 χ^2/NDF:47.1/54

Out: 7.968+/-3.752 χ^2/NDF:102.6/61

All: 0.925+/-2.675 χ^2/NDF: 156.9/116

cor_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 28.276+/-0.005 χ^2/NDF: 1624447.2/31

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.358+/-0.005 χ^2/NDF: 2387794.6/36

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

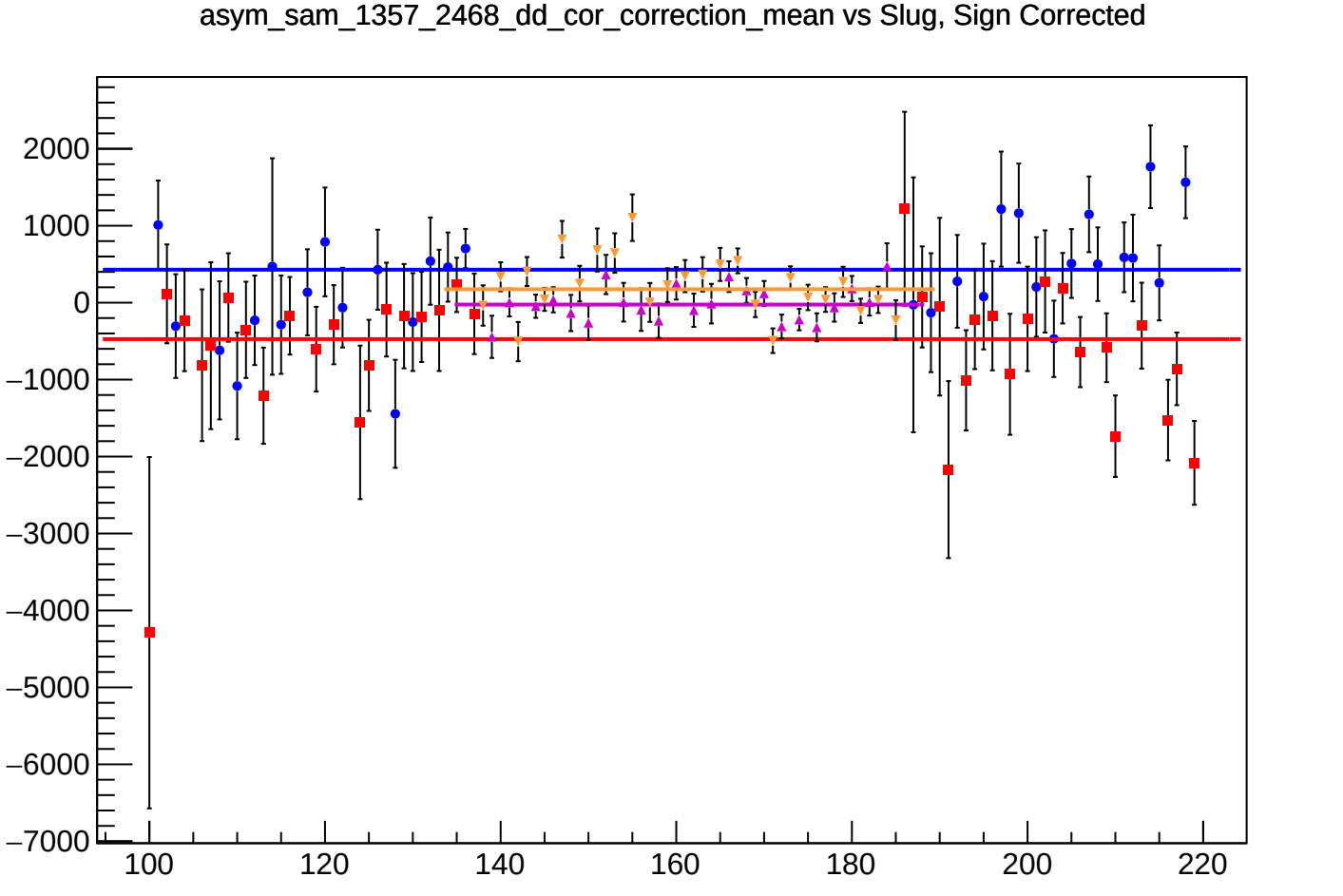
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 28.809+/-0.003 χ^2/NDF: 4039880.2/68

In: 22.928+/-0.003 χ^2/NDF:4025739.2/54

Out: 23.041+/-0.003 χ^2/NDF:5532507.7/61

All: 22.985+/-0.002 χ^2/NDF: 9559144.8/116



Right In: 428.636+/-96.977 χ^2/NDF: 43.1/31

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -473.565+/-99.494 χ^2/NDF: 42.8/36

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

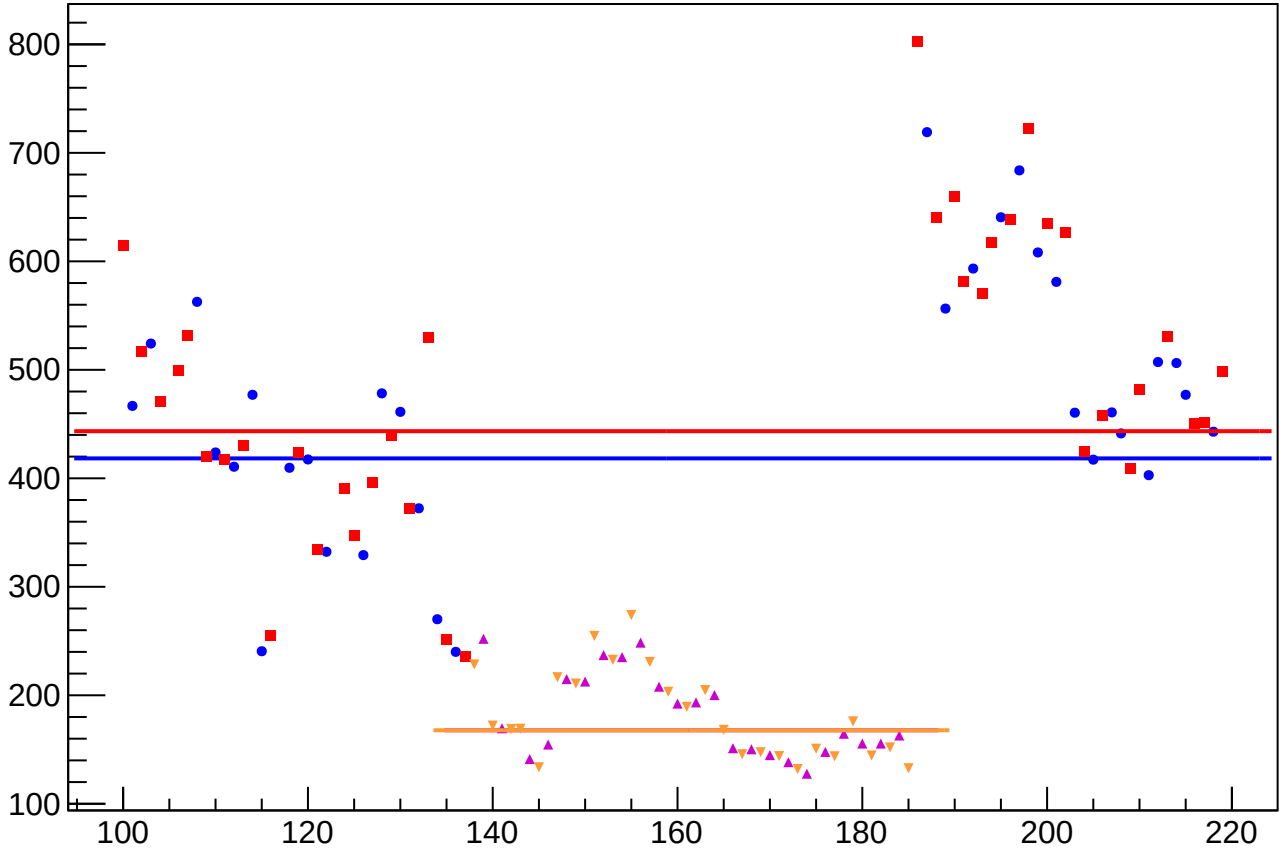
Right: -10.910+/-69.446 χ^2/NDF: 128.1/68

In: 41.505+/-37.033 χ^2/NDF:88.7/54

Out: 88.163+/-36.350 χ^2/NDF:150.8/61

All: 65.269+/-25.941 χ^2/NDF: 240.3/116

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 418.357+/-0.069 χ^2/NDF: 2852393.4/31

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 443.444+/-0.070 χ^2/NDF: 2946966.7/36

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

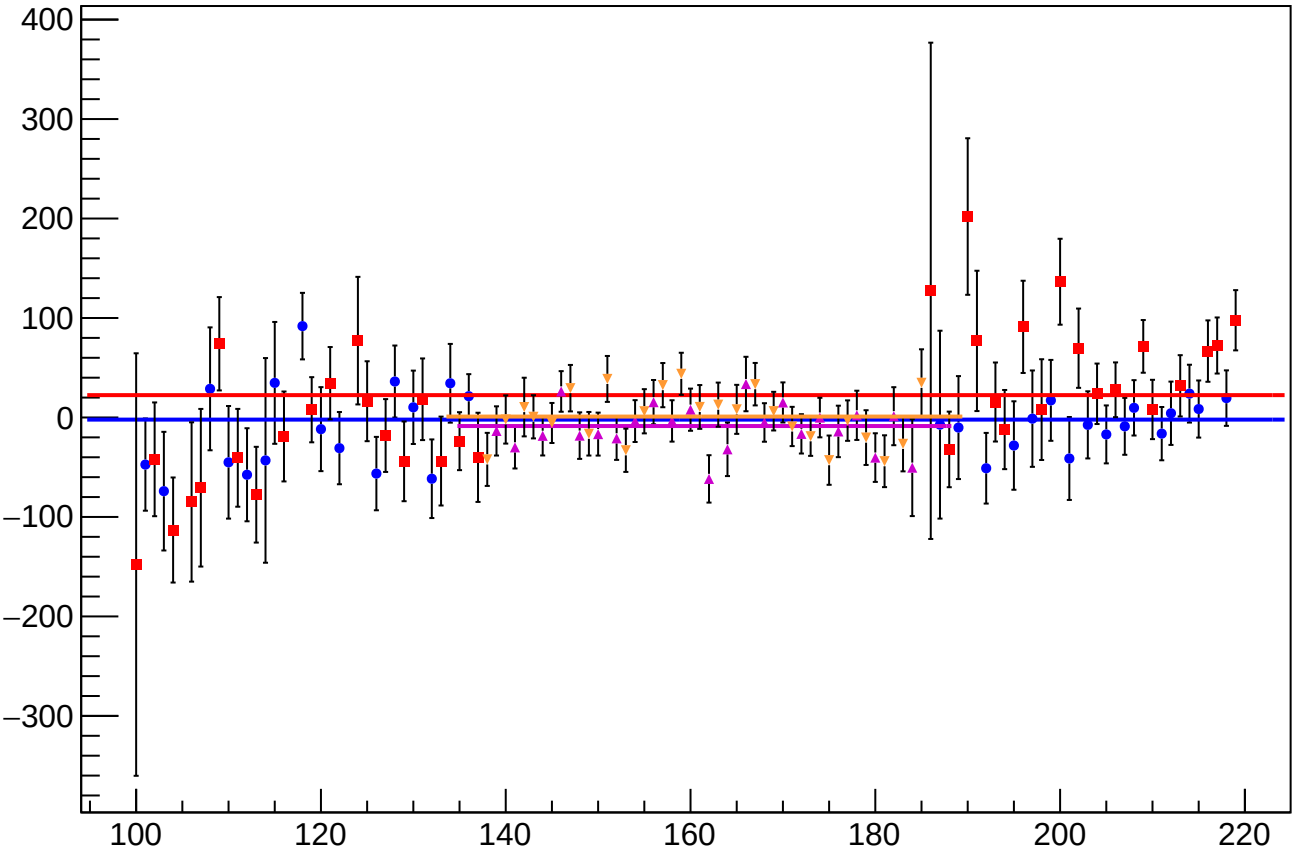
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 430.579+/-0.049 χ^2/NDF: 5864566.5/68

In: 204.295+/-0.026 χ^2/NDF:15663982.5/54

Out: 204.553+/-0.026 χ^2/NDF:17831558.8/61

All: 204.426+/-0.018 χ^2/NDF: 33495590.7/1



Right In: -2.143+/-6.464 χ^2/NDF: 27.1/31

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 22.468+/-6.559 χ^2/NDF: 66.1/36

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

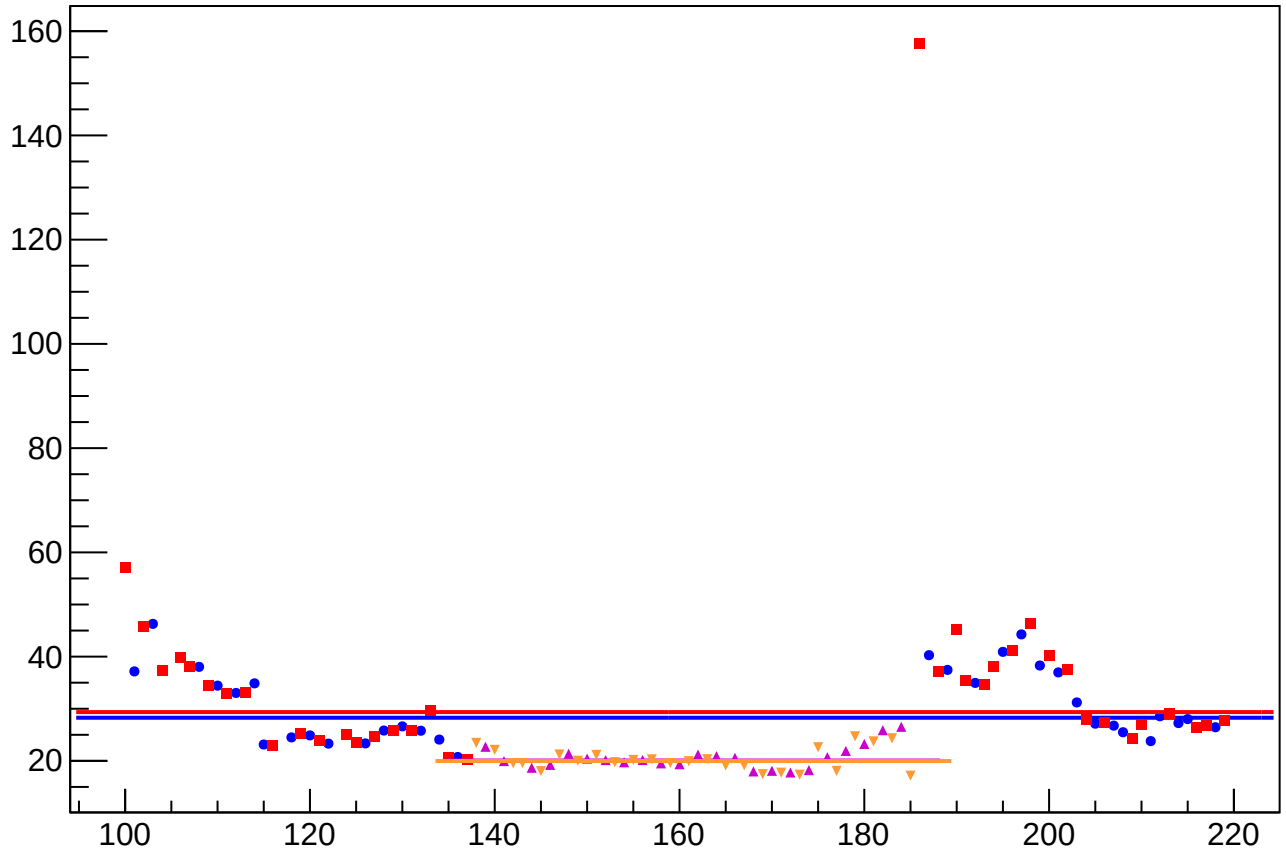
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 9.985+/-4.604 χ^2/NDF: 100.4/68

In: -6.353+/-3.814 χ^2/NDF:47.1/54

Out: 7.968+/-3.752 χ^2/NDF:102.6/61

All: 0.925+/-2.675 χ^2/NDF: 156.9/116



Right In: 28.276+/-0.005 χ^2/NDF: 1624447.2/31

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.358+/-0.005 χ^2/NDF: 2387794.6/36

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

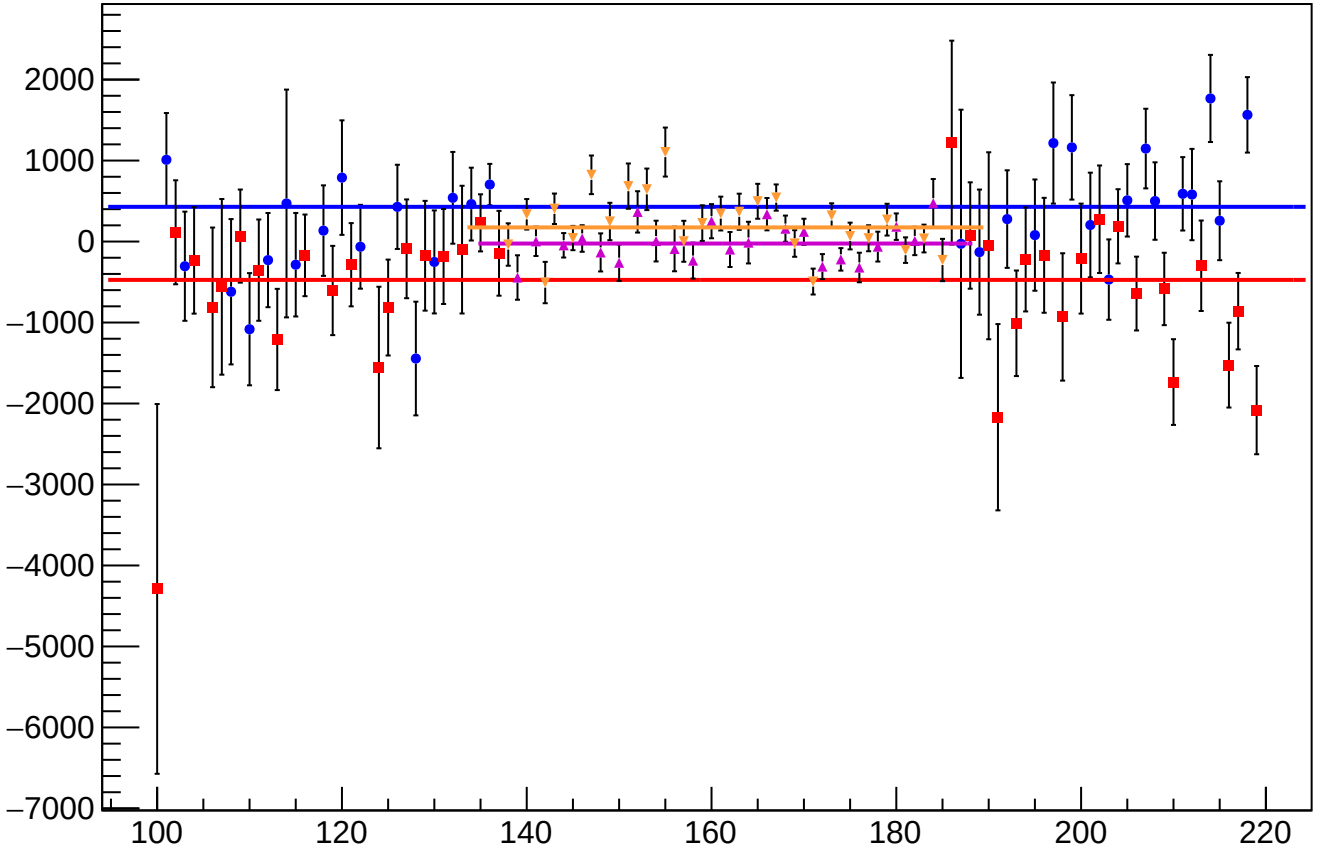
Right: 28.809+/-0.003 χ^2/NDF: 4039880.2/68

In: 22.928+/-0.003 χ^2/NDF:4025739.2/54

Out: 23.041+/-0.003 χ^2/NDF:5532507.7/61

All: 22.985+/-0.002 χ^2/NDF: 9559144.8/116

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 428.636+/-96.977 χ^2/NDF: 43.1/31

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -473.565+/-99.494 χ^2/NDF: 42.8/36

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

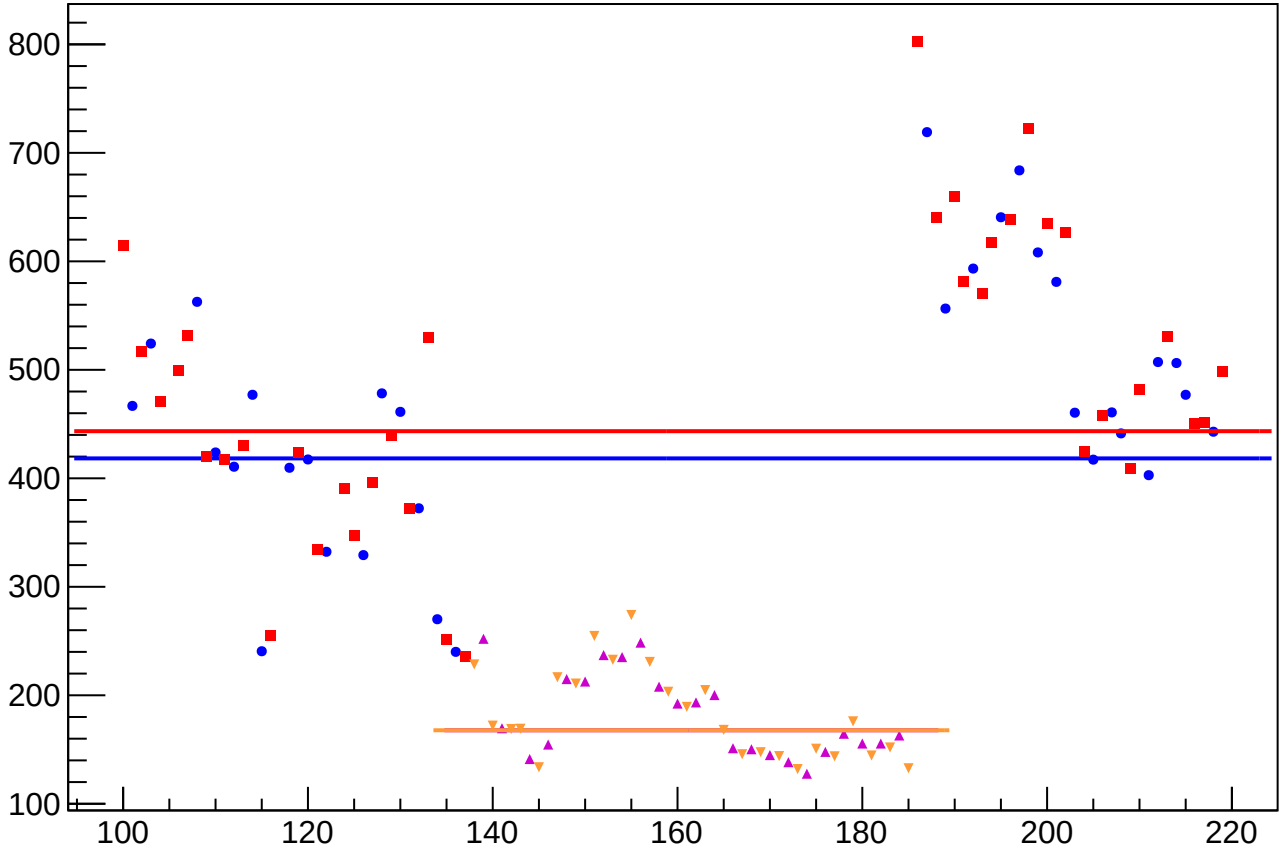
Right: -10.910+/-69.446 χ^2/NDF: 128.1/68

In: 41.505+/-37.033 χ^2/NDF:88.7/54

Out: 88.163+/-36.350 χ^2/NDF:150.8/61

All: 65.269+/-25.941 χ^2/NDF: 240.3/116

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 418.357+/-0.069 χ^2/NDF: 2852393.4/31

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 443.444+/-0.070 χ^2/NDF: 2946966.7/36

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

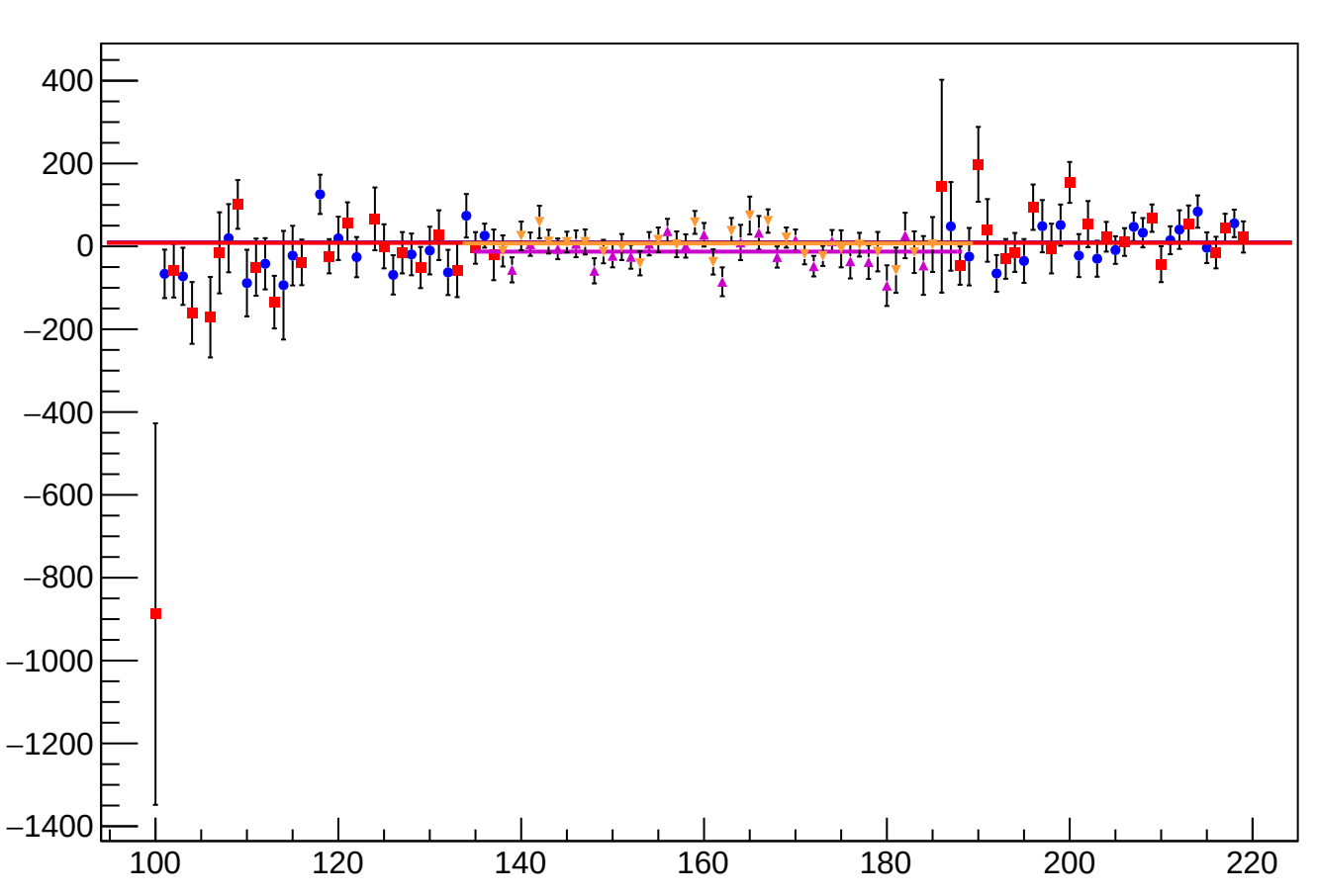
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 430.579+/-0.049 χ^2/NDF: 5864566.5/68

In: 204.295+/-0.026 χ^2/NDF:15663982.5/54

Out: 204.553+/-0.026 χ^2/NDF:17831558.8/61

All: 204.426+/-0.018 χ^2/NDF: 33495590.7/1



Right In: 9.399+/-8.318 χ^2/NDF: 33.7/31

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 8.579+/-8.357 χ^2/NDF: 54.2/36

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

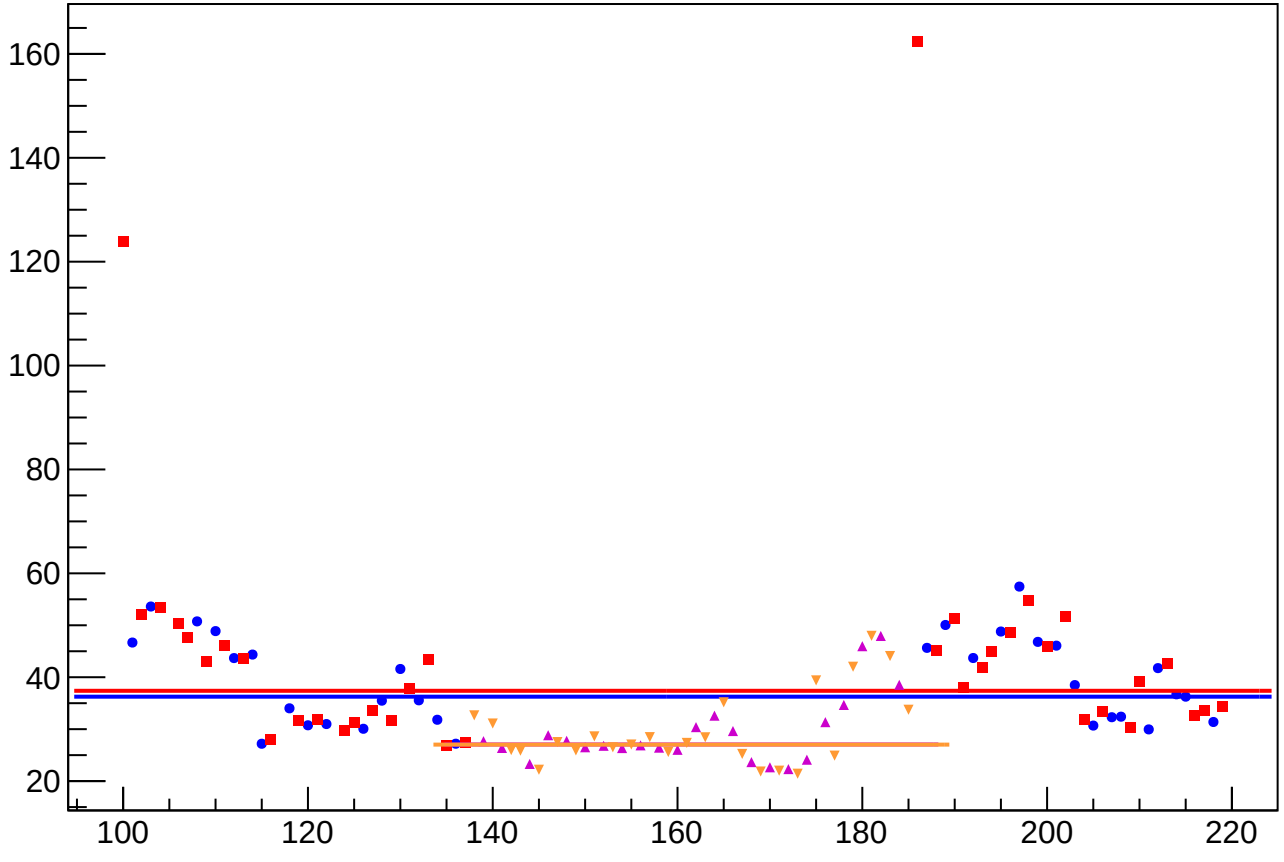
Right: 8.991+/-5.895 χ^2/NDF: 87.9/68

In: -4.298+/-5.128 χ^2/NDF:63.7/54

Out: 7.626+/-5.047 χ^2/NDF:76.9/61

All: 1.759+/-3.597 χ^2/NDF: 143.3/116

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 36.254+/-0.006 χ^2/NDF: 1582427.3/31

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 37.387+/-0.006 χ^2/NDF: 2175270.0/36

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

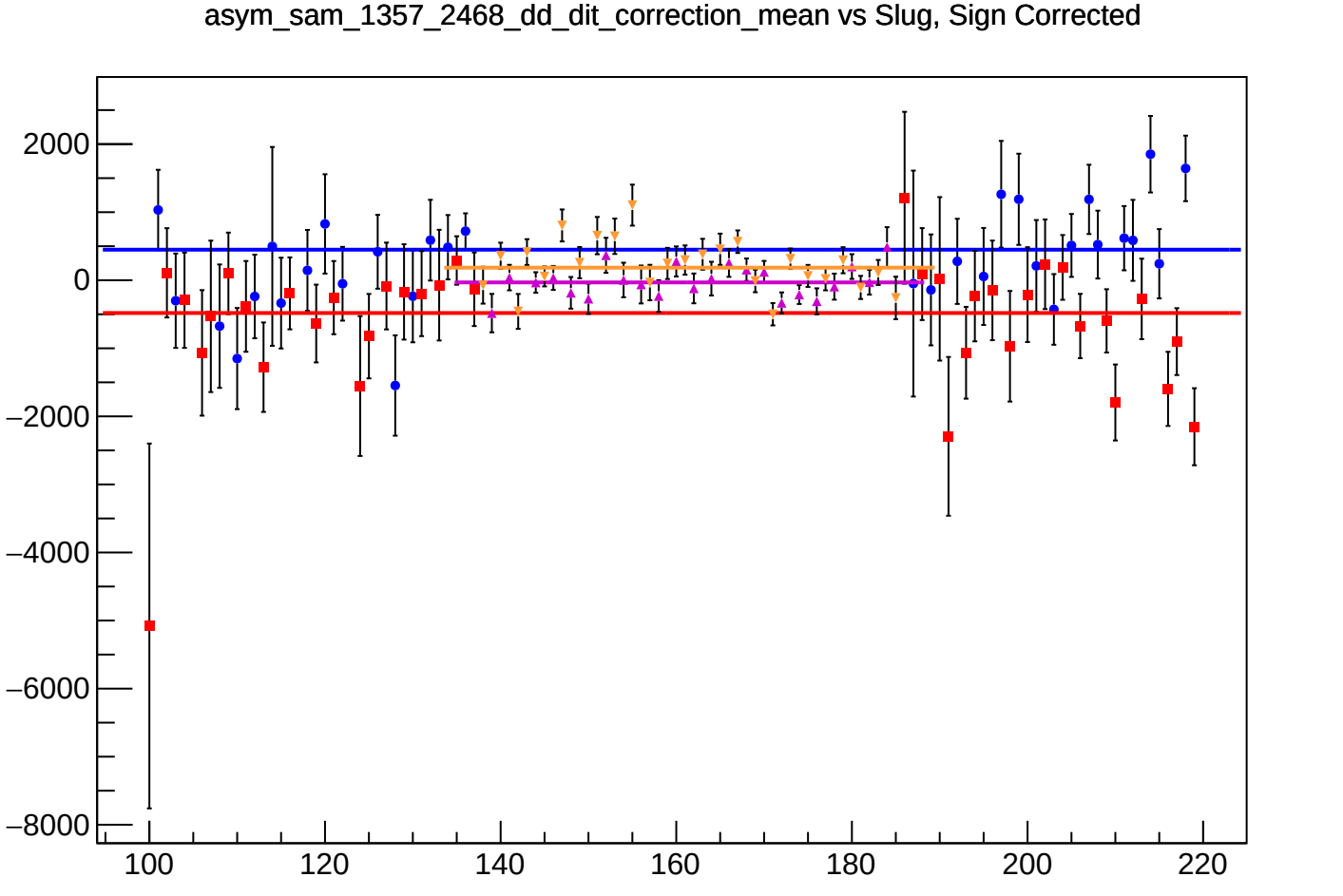
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 36.818+/-0.004 χ^2/NDF: 3776177.0/68

In: 30.550+/-0.004 χ^2/NDF:4144128.0/54

Out: 30.806+/-0.004 χ^2/NDF:5558589.5/61

All: 30.680+/-0.003 χ^2/NDF: 9705252.3/116



Right In: 449.039+/-100.918 χ^2/NDF: 43.0/31

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -481.453+/-103.108 χ^2/NDF: 44.2/36

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

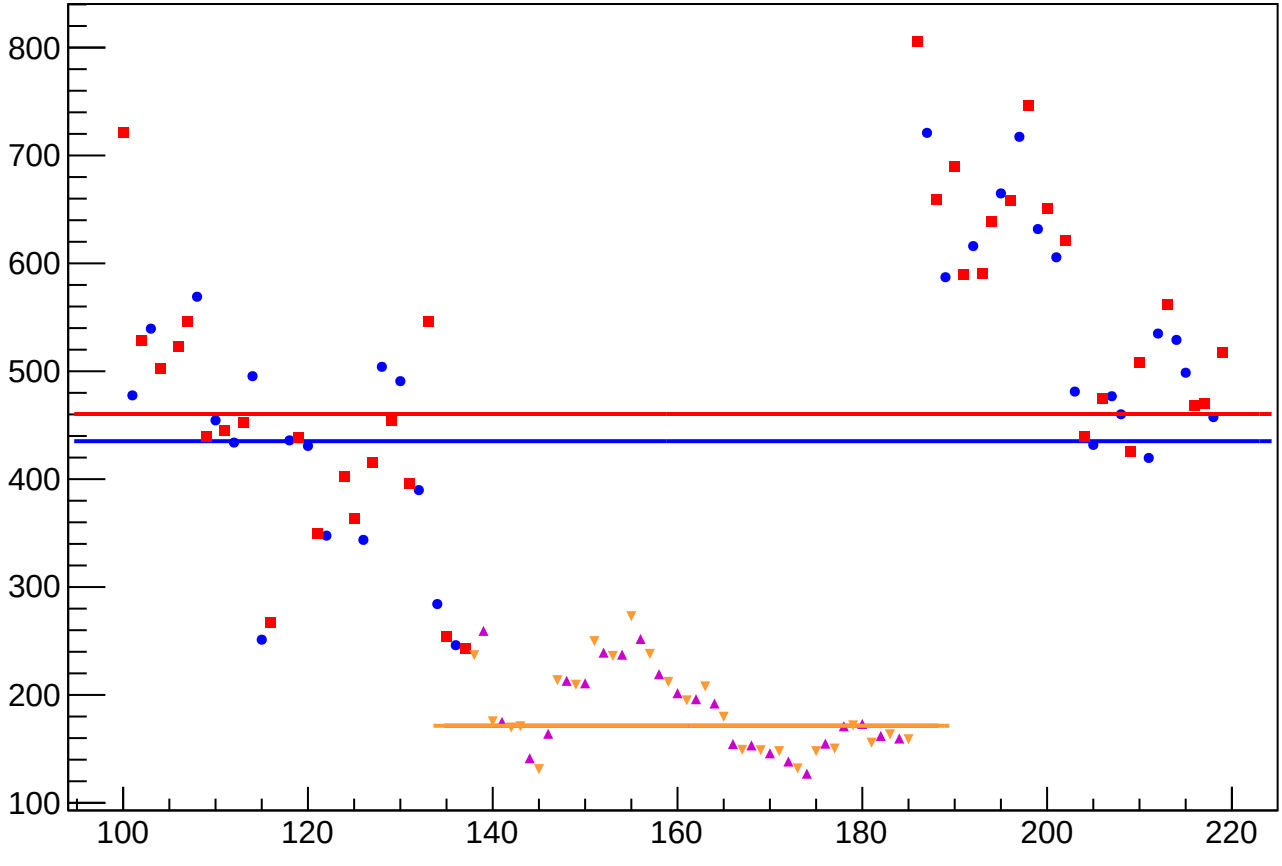
Right: -6.218+/-72.121 χ^2/NDF: 128.8/68

In: 36.172+/-37.965 χ^2/NDF:88.9/54

Out: 98.173+/-37.156 χ^2/NDF:148.2/61

All: 67.840+/-26.555 χ^2/NDF: 238.4/116

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 435.182+/-0.071 χ^2/NDF: 2903364.5/31

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 460.391+/-0.073 χ^2/NDF: 2942486.9/36

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

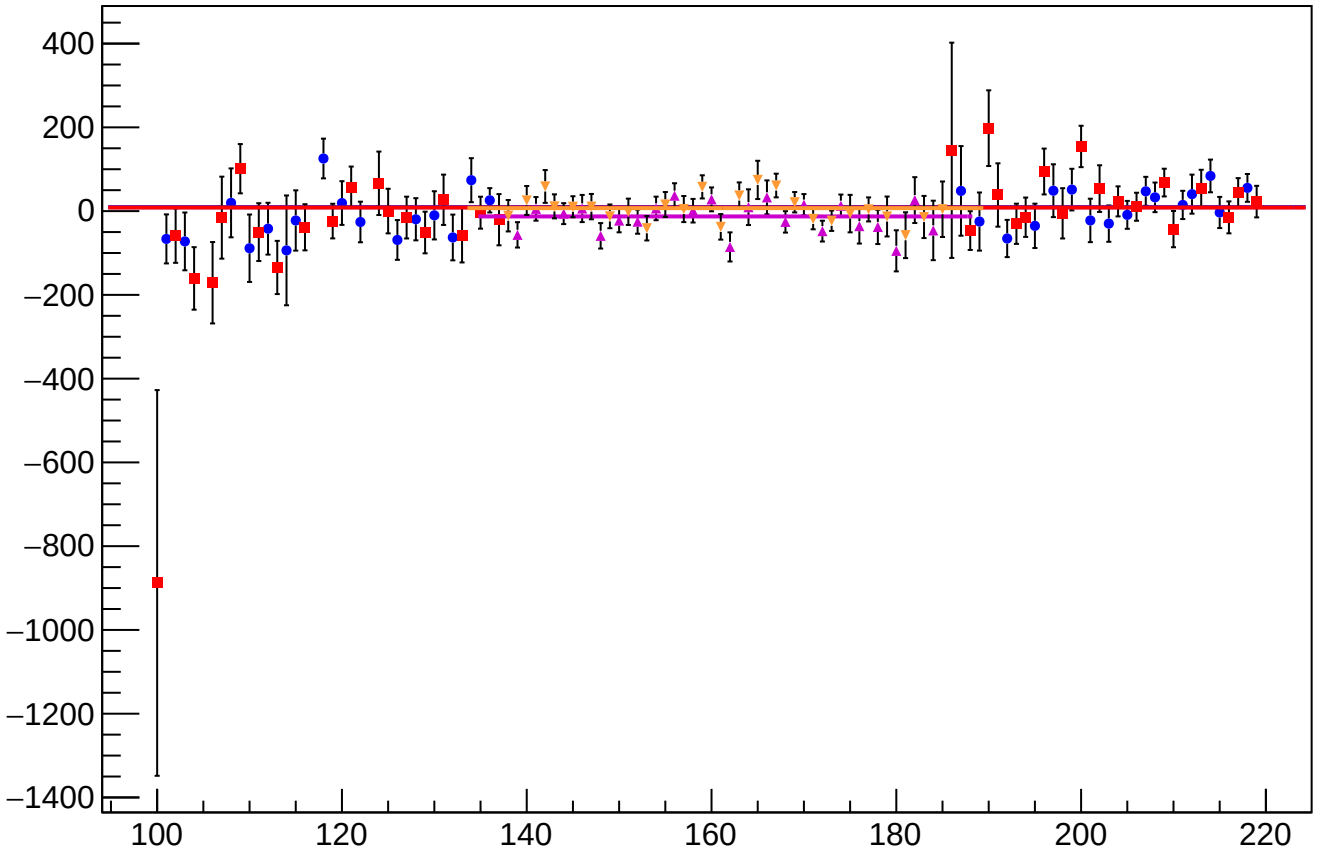
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 447.516+/-0.051 χ^2/NDF: 5906906.7/68

In: 208.809+/-0.027 χ^2/NDF:16041641.1/54

Out: 208.951+/-0.026 χ^2/NDF:18137882.7/61

All: 208.881+/-0.019 χ^2/NDF: 34179538.2/11



Right In: 9.397+/-8.318 χ^2/NDF: 33.7/31

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 8.580+/-8.357 χ^2/NDF: 54.2/36

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

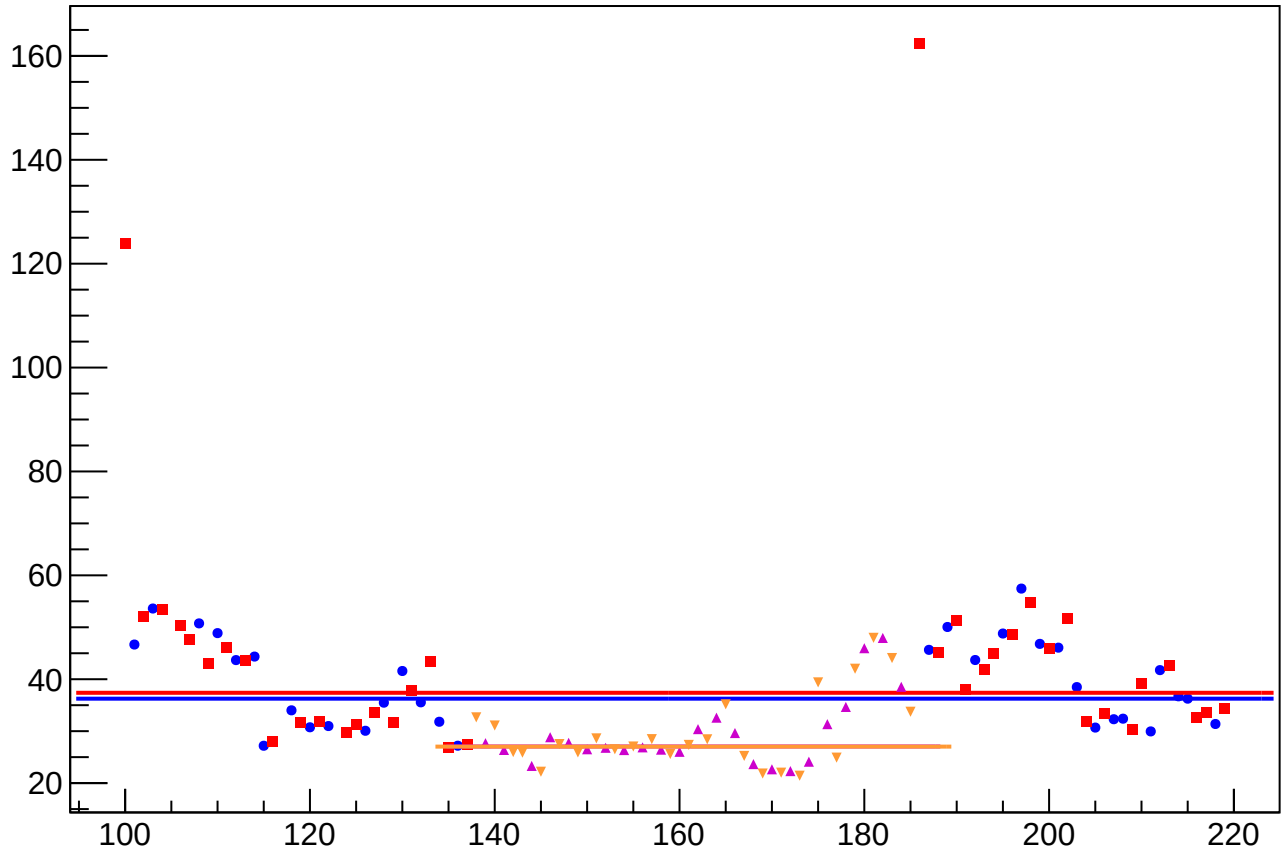
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 8.990+/-5.895 χ^2/NDF: 87.9/68

In: -4.299+/-5.128 χ^2/NDF:63.7/54

Out: 7.627+/-5.047 χ^2/NDF:76.9/61

All: 1.759+/-3.597 χ^2/NDF: 143.3/116



Right In: 36.254+/-0.006 χ^2/NDF: 1582404.7/31

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 37.387+/-0.006 χ^2/NDF: 2175244.0/36

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

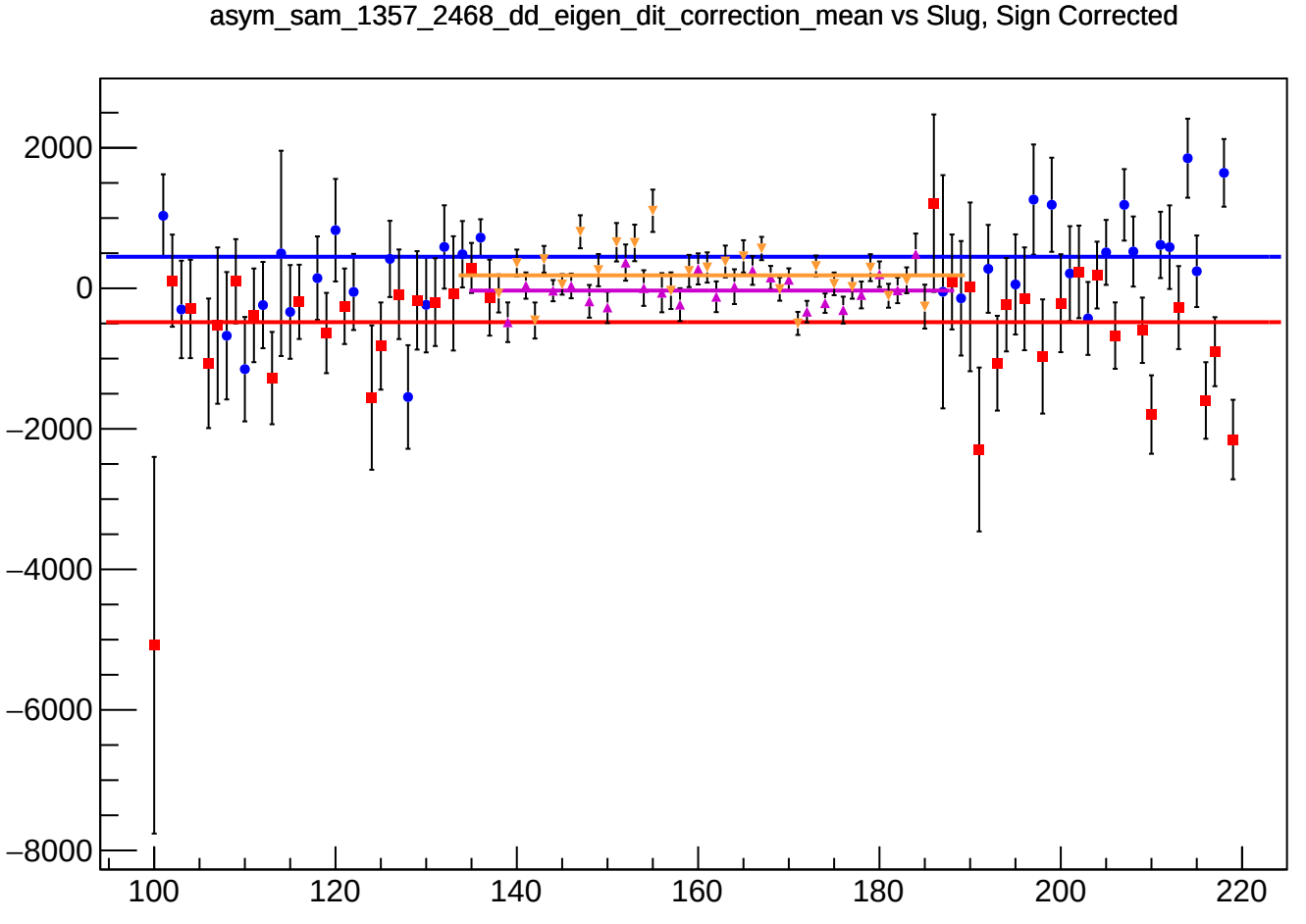
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 36.818+/-0.004 χ^2/NDF: 3776132.2/68

In: 30.550+/-0.004 χ^2/NDF:4143998.2/54

Out: 30.806+/-0.004 χ^2/NDF:5558499.6/61

All: 30.680+/-0.003 χ^2/NDF: 9705033.7/116



Right In: 449.037+/-100.917 χ^2/NDF: 43.0/31

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -481.452+/-103.108 χ^2/NDF: 44.2/36

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

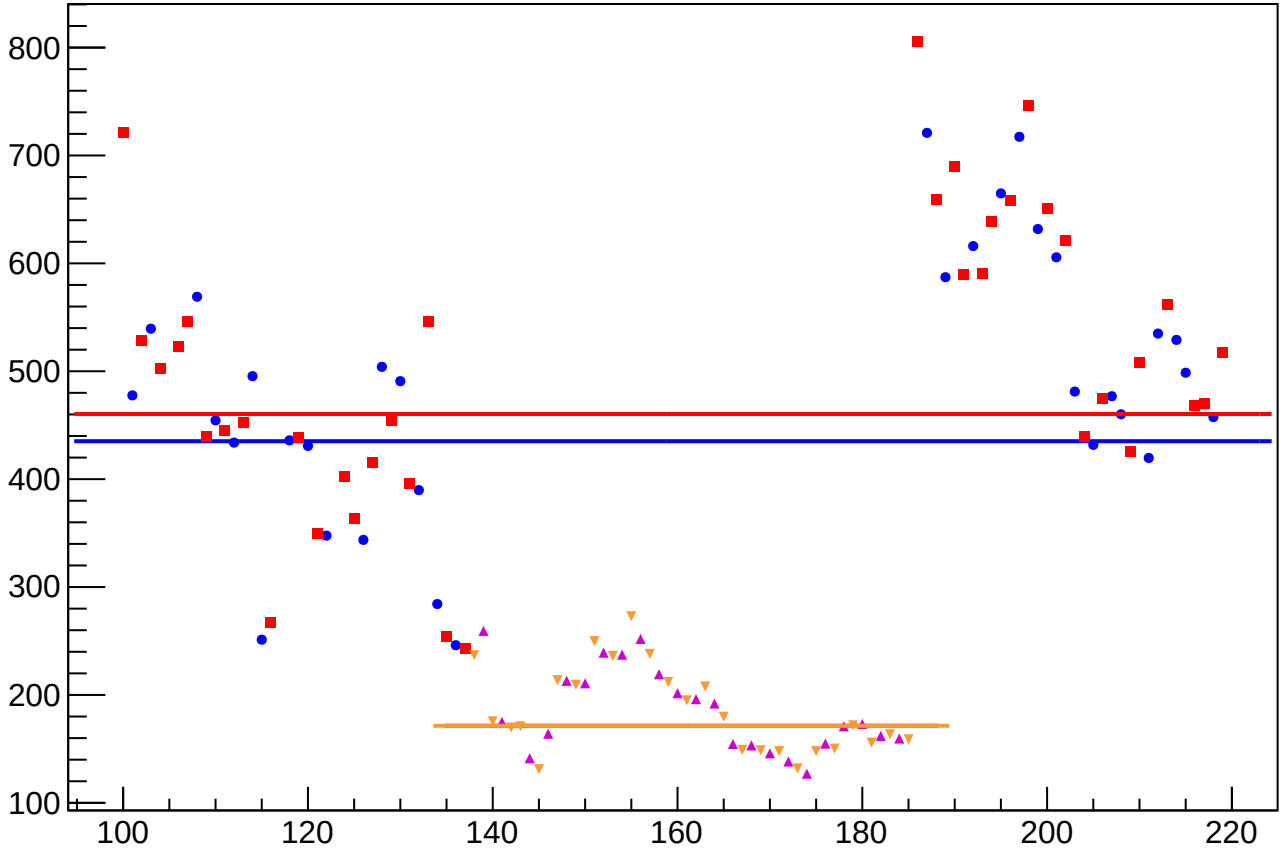
Right: -6.218+/-72.121 χ^2/NDF: 128.8/68

In: 36.172+/-37.965 χ^2/NDF:88.9/54

Out: 98.173+/-37.156 χ^2/NDF:148.2/61

All: 67.840+/-26.554 χ^2/NDF: 238.4/116

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 435.182+/-0.071 χ^2/NDF: 2903373.1/31

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 460.390+/-0.073 χ^2/NDF: 2942497.3/36

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

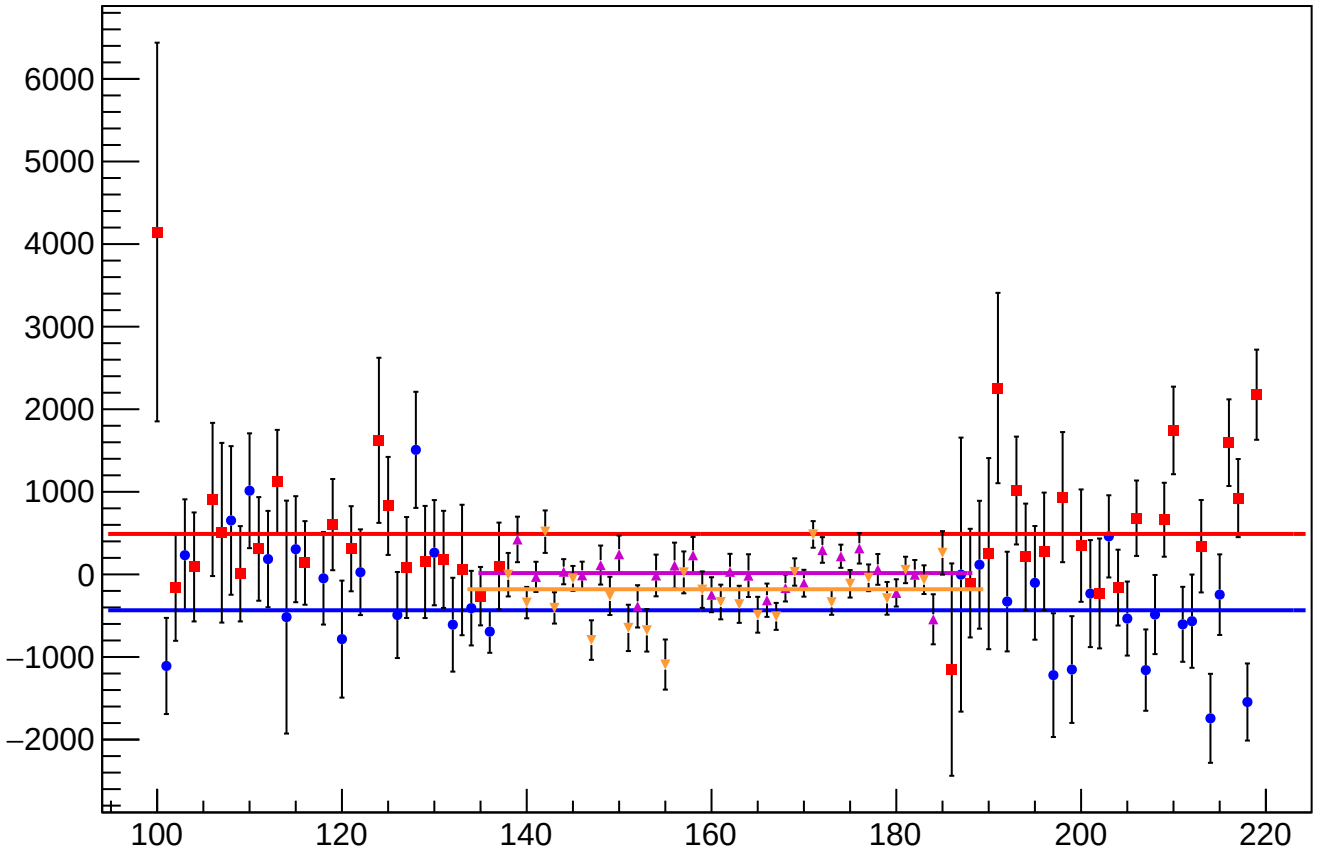
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 447.515+/-0.051 χ^2/NDF: 5906926.6/68

In: 208.808+/-0.027 χ^2/NDF:16041698.1/54

Out: 208.950+/-0.026 χ^2/NDF:18137945.2/61

All: 208.881+/-0.019 χ^2/NDF: 34179657.6/11



Right In: -434.298+/-97.247 χ^2/NDF: 42.7/31

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 490.062+/-99.682 χ^2/NDF: 44.6/36

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

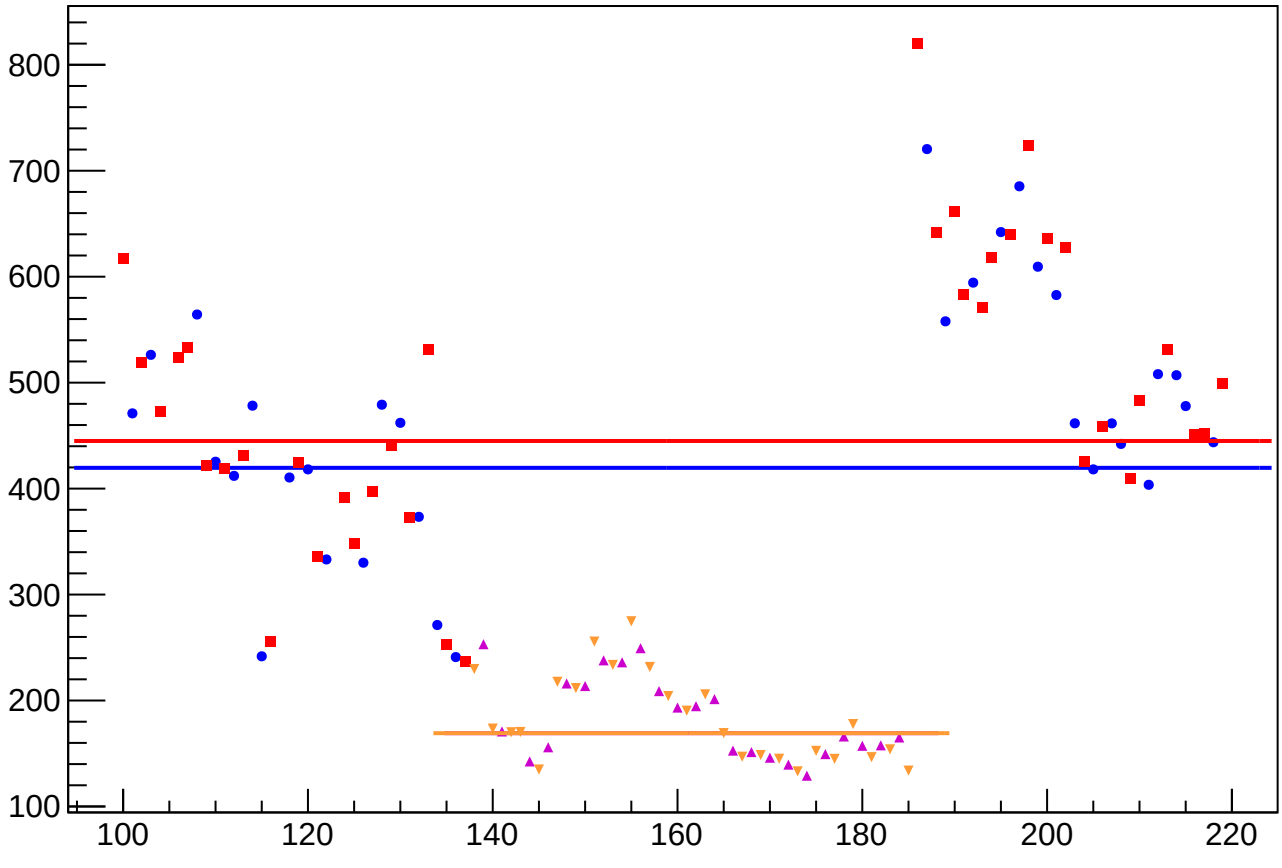
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: 16.451+/-69.609 χ^2/NDF: 131.4/68

In: -50.218+/-37.306 χ^2/NDF:87.6/54

Out: -89.310+/-36.612 χ^2/NDF:150.8/61

All: -70.131+/-26.130 χ^2/NDF: 238.9/116



Right In: 419.604+/-0.069 χ^2/NDF: 2840610.4/31

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 444.953+/-0.070 χ^2/NDF: 2953028.6/36

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

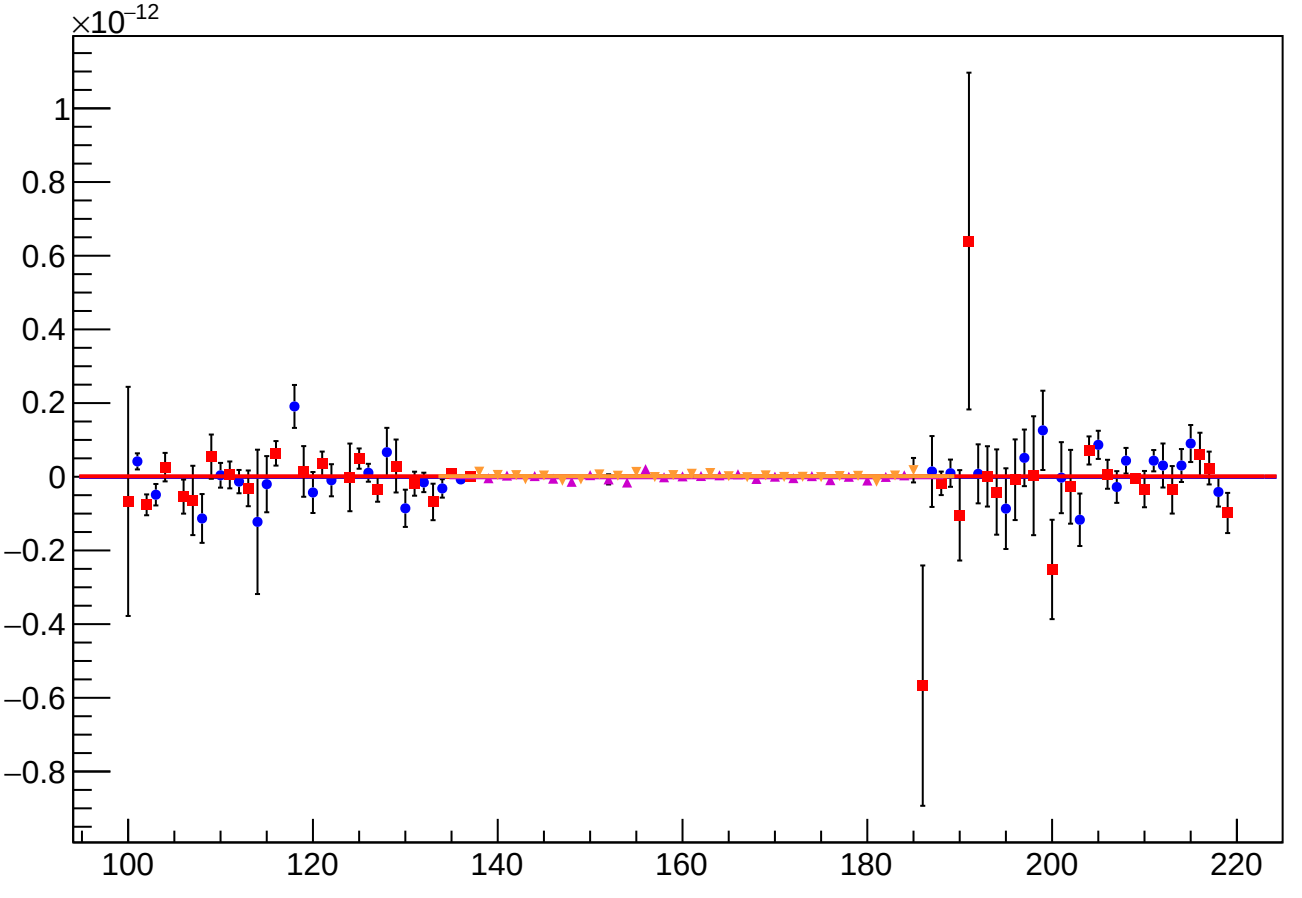
Right: 431.965+/-0.049 χ^2/NDF: 5859906.0/68

In: 206.039+/-0.026 χ^2/NDF:15525333.1/54

Out: 206.384+/-0.026 χ^2/NDF:17742869.6/61

All: 206.214+/-0.018 χ^2/NDF: 33268289.7/11

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 48.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 42.3/36

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

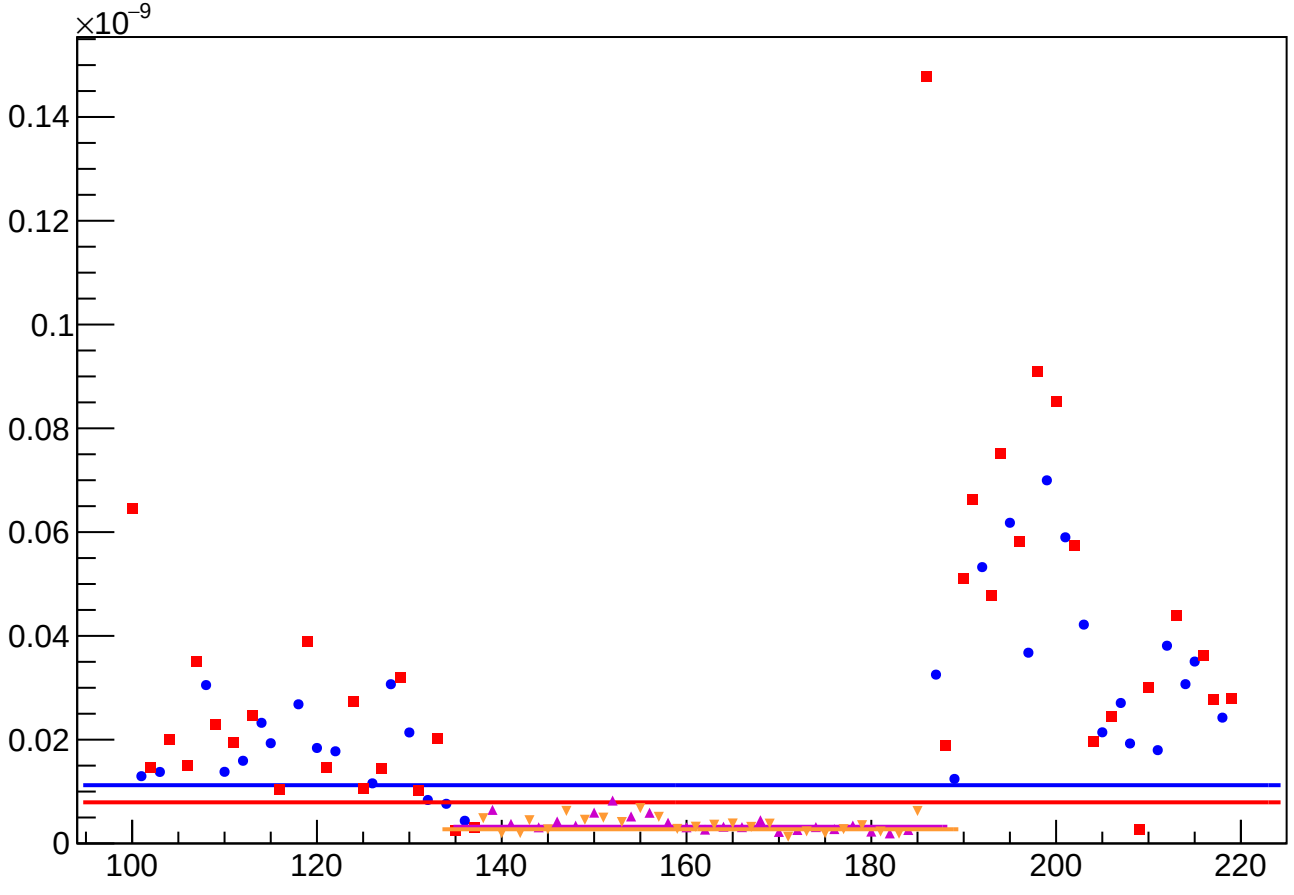
Right: 0.000+/-0.000 χ^2/NDF: 90.4/68

In: -0.000+/-0.000 χ^2/NDF:67.7/54

Out: 0.000+/-0.000 χ^2/NDF:61.1/61

All: 0.000+/-0.000 χ^2/NDF: 131.5/116

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7434985.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10967878.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

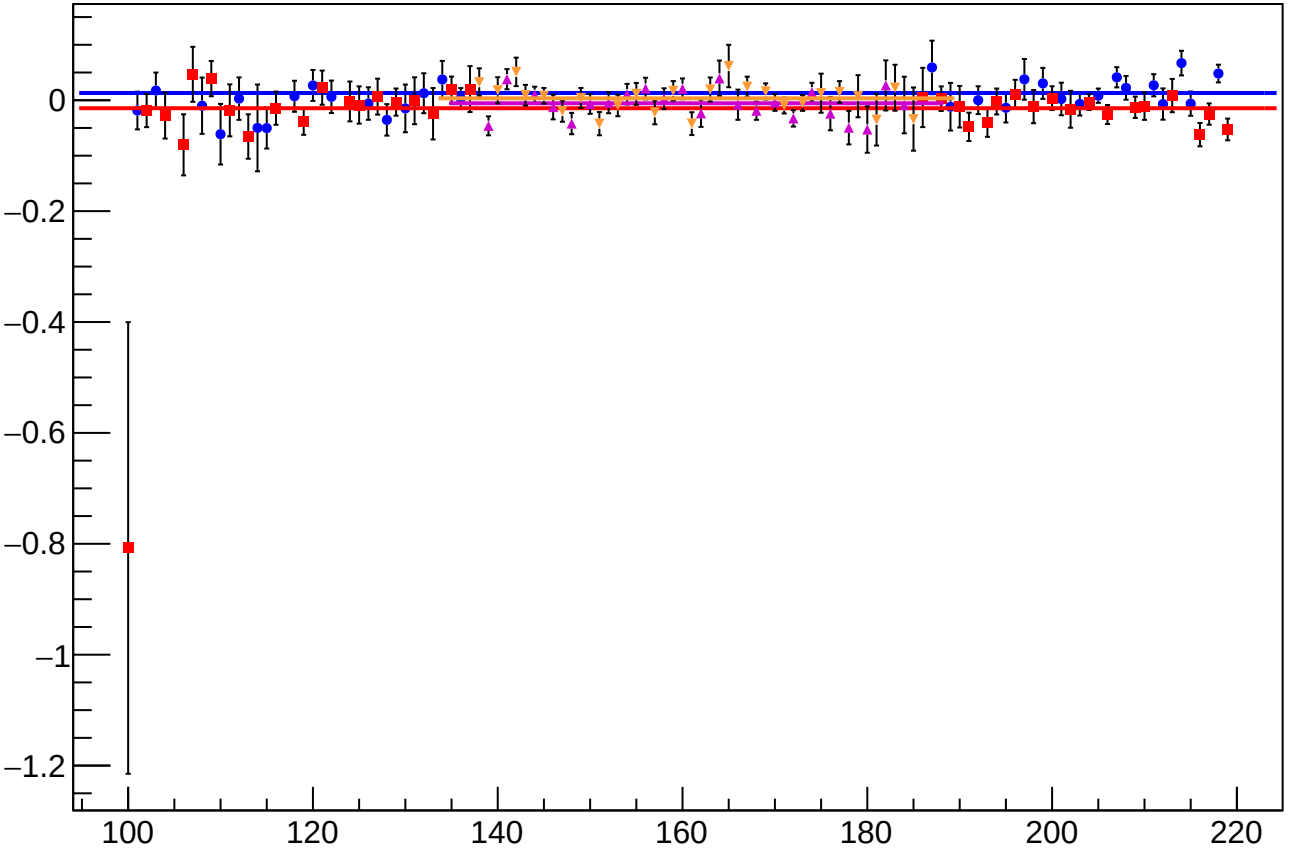
Right: 0.000+/-0.000 χ^2/NDF: 18868390.9/68

In: 0.000+/-0.000 χ^2/NDF:13310241.8/54

Out: 0.000+/-0.000 χ^2/NDF:15382075.4/61

All: 0.000+/-0.000 χ^2/NDF: 28990500.3/116

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.005 χ^2/NDF: 31.1/31

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.014+/-0.004 χ^2/NDF: 33.8/36

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

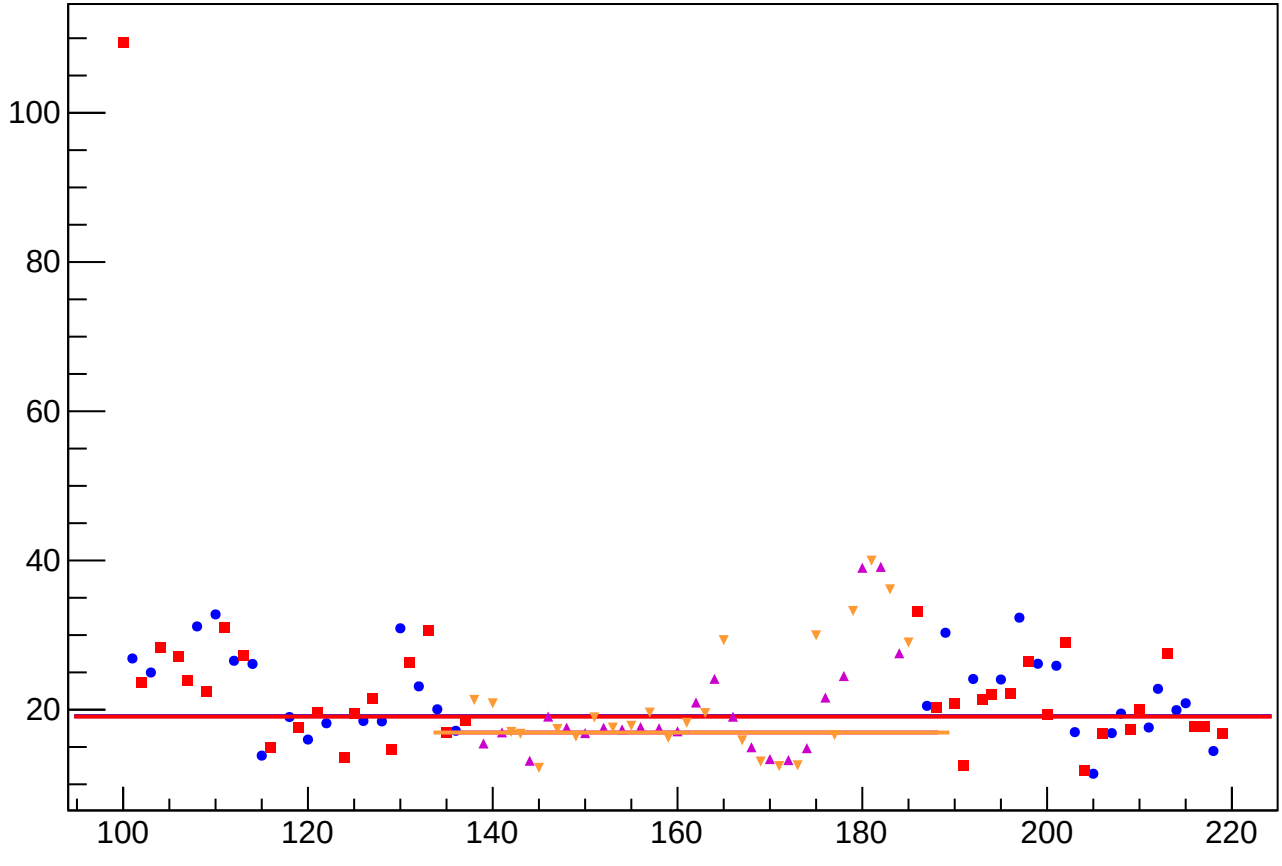
Right: -0.001+/-0.003 χ^2/NDF: 83.6/68

In: 0.003+/-0.003 χ^2/NDF:73.3/54

Out: -0.005+/-0.003 χ^2/NDF:69.6/61

All: -0.001+/-0.002 χ^2/NDF: 146.1/116

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.132+/-0.003 χ^2/NDF: 2541740.3/31

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.076+/-0.003 χ^2/NDF: 2338013.6/36

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

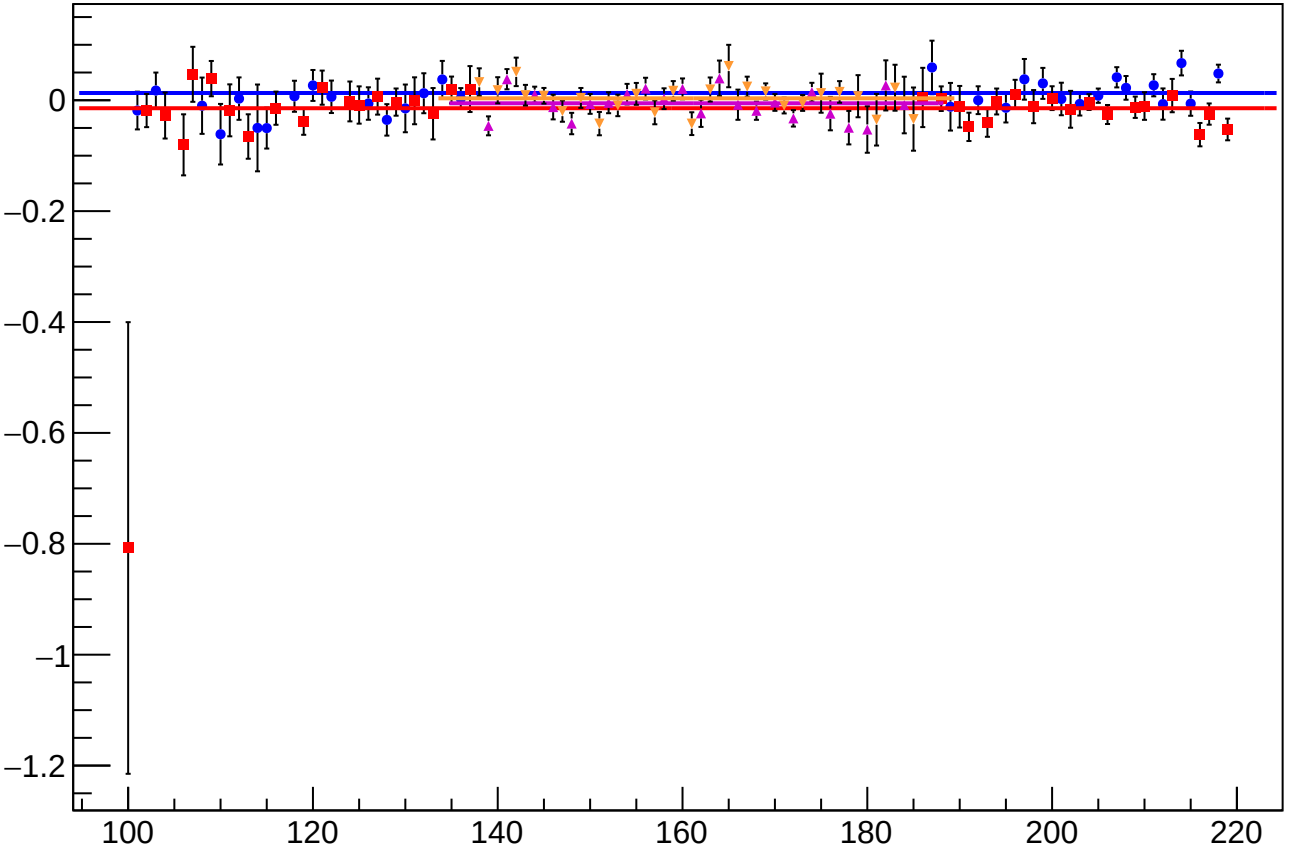
Right: 19.103+/-0.002 χ^2/NDF: 4879907.2/68

In: 17.942+/-0.002 χ^2/NDF:4732675.2/54

Out: 17.925+/-0.002 χ^2/NDF:5426781.1/61

All: 17.933+/-0.002 χ^2/NDF: 10159488.8/116

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.005 χ^2/NDF: 31.1/31

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.014+/-0.004 χ^2/NDF: 33.8/36

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

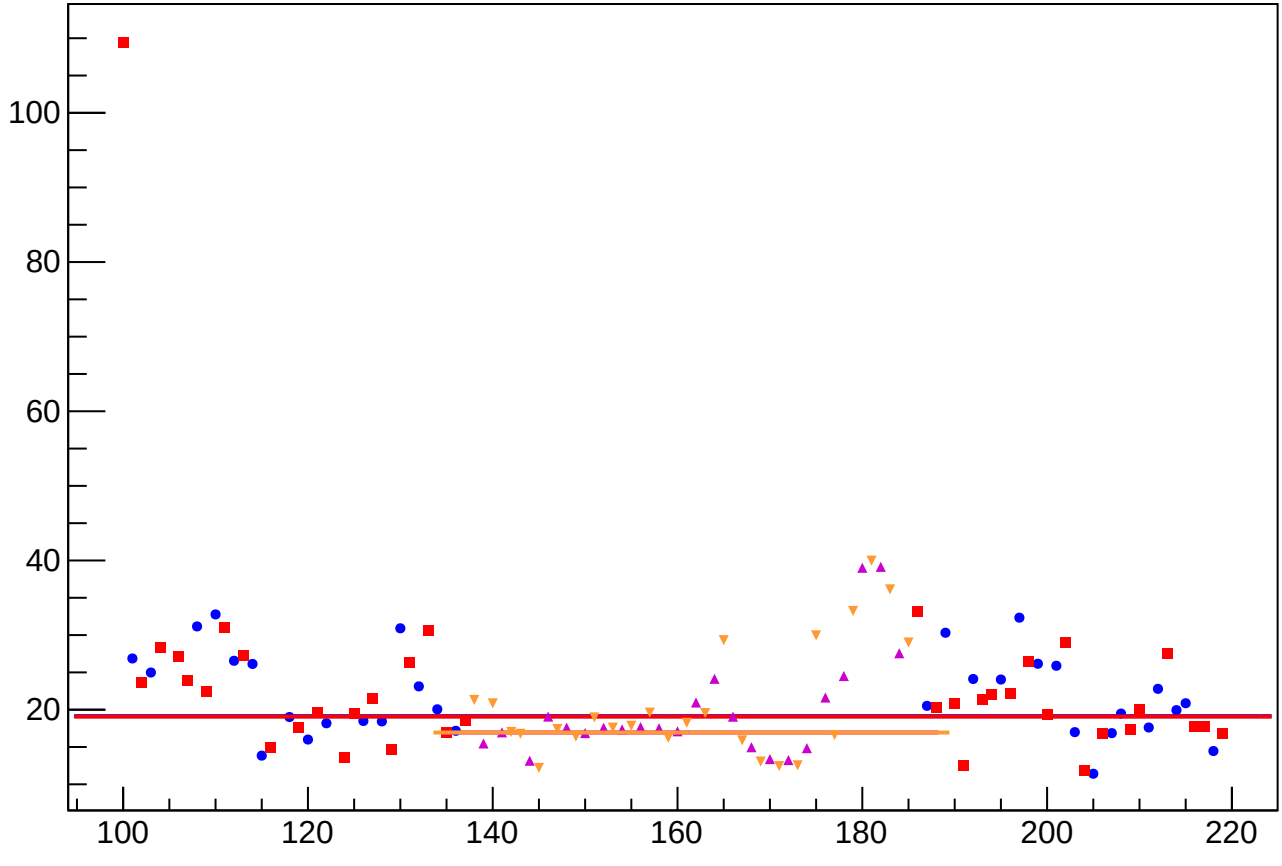
Right: -0.001+/-0.003 χ^2/NDF: 83.6/68

In: 0.003+/-0.003 χ^2/NDF:73.3/54

Out: -0.005+/-0.003 χ^2/NDF:69.6/61

All: -0.001+/-0.002 χ^2/NDF: 146.1/116

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.132+/-0.003 χ^2/NDF: 2541740.3/31

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.076+/-0.003 χ^2/NDF: 2338013.6/36

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

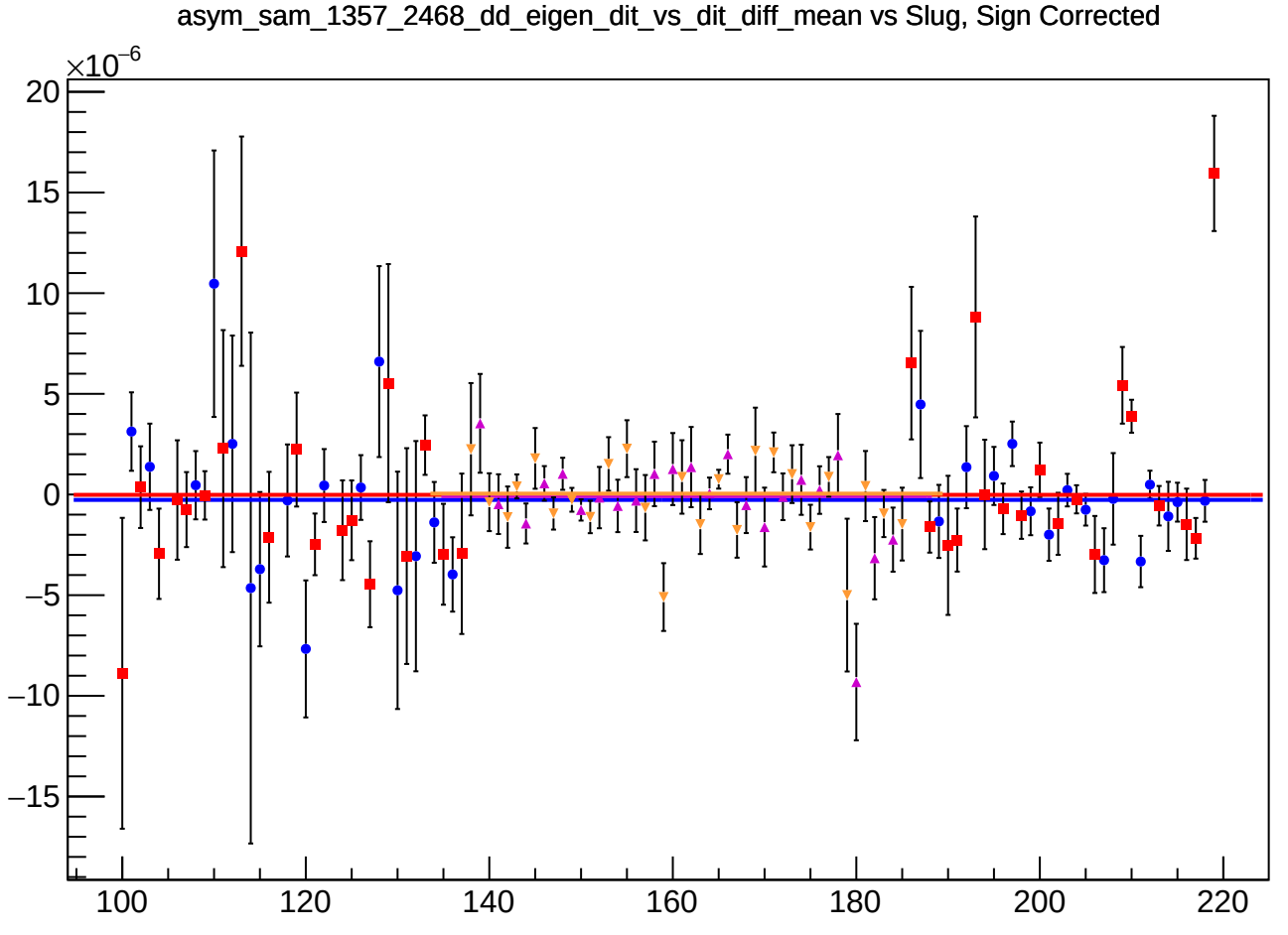
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.103+/-0.002 χ^2/NDF: 4879907.2/68

In: 17.942+/-0.002 χ^2/NDF:4732675.2/54

Out: 17.925+/-0.002 χ^2/NDF:5426781.1/61

All: 17.933+/-0.002 χ^2/NDF: 10159488.8/116



Right In: -0.000+/-0.000 χ^2/NDF: 43.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 105.8/36

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

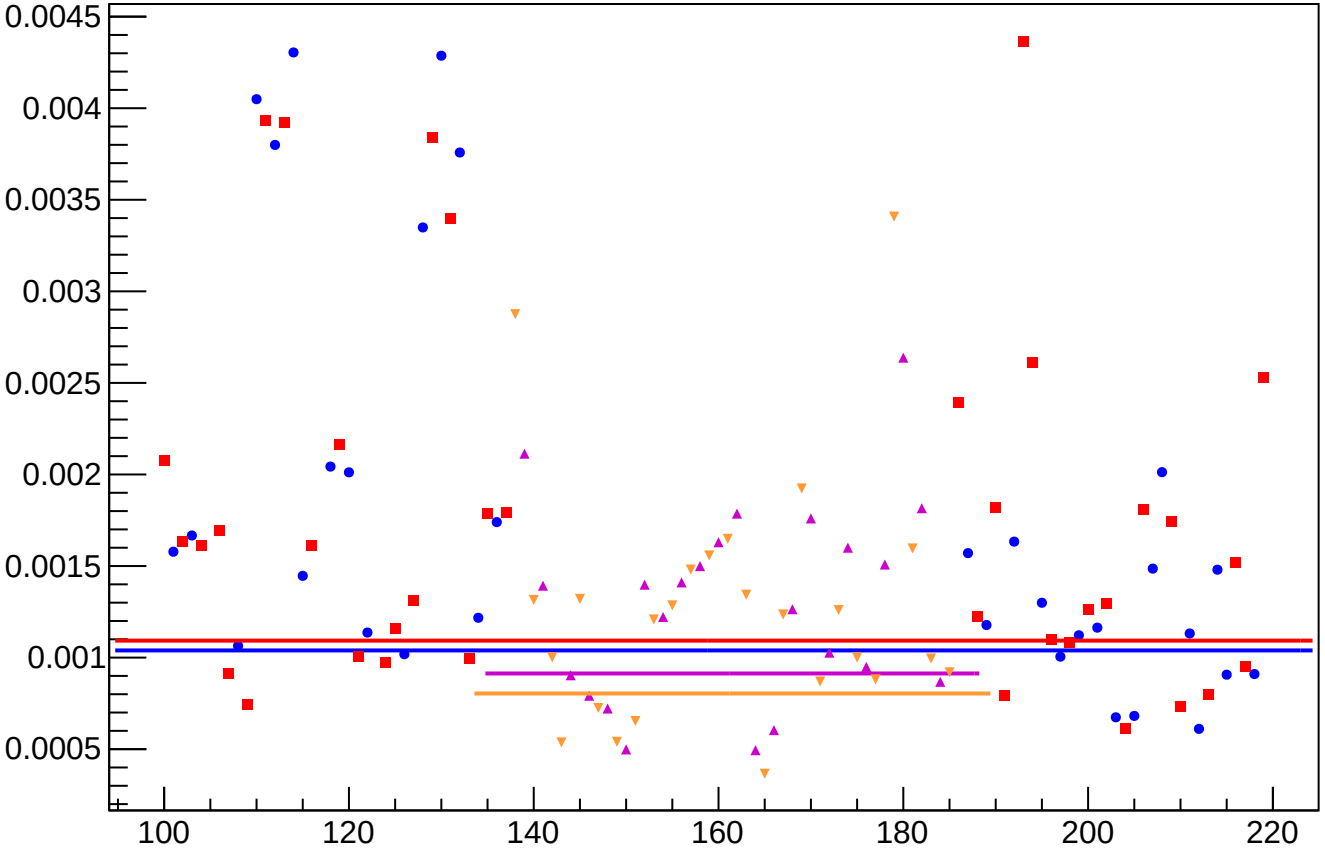
Right: -0.000+/-0.000 χ^2/NDF: 149.4/68

In: -0.000+/-0.000 χ^2/NDF:74.3/54

Out: 0.000+/-0.000 χ^2/NDF:143.0/61

All: -0.000+/-0.000 χ^2/NDF: 218.0/116

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6329259.6/31

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7548081.4/36

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

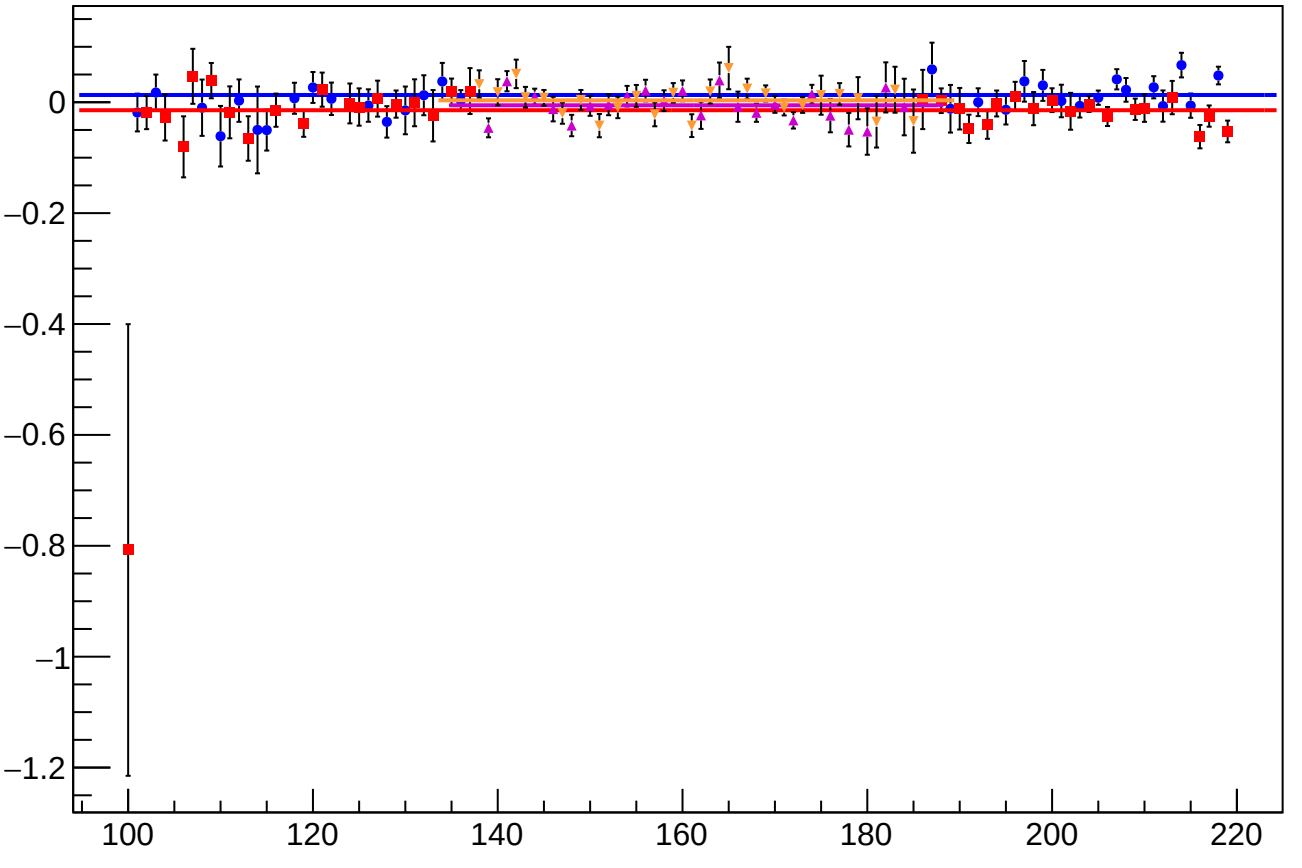
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 13918006.0/68

In: 0.001+/-0.000 χ^2/NDF:13022232.8/54

Out: 0.001+/-0.000 χ^2/NDF:17250197.3/61

All: 0.001+/-0.000 χ^2/NDF: 30389031.0/116



Right In: 0.013+/-0.005 χ^2/NDF: 31.1/31

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.014+/-0.004 χ^2/NDF: 33.8/36

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

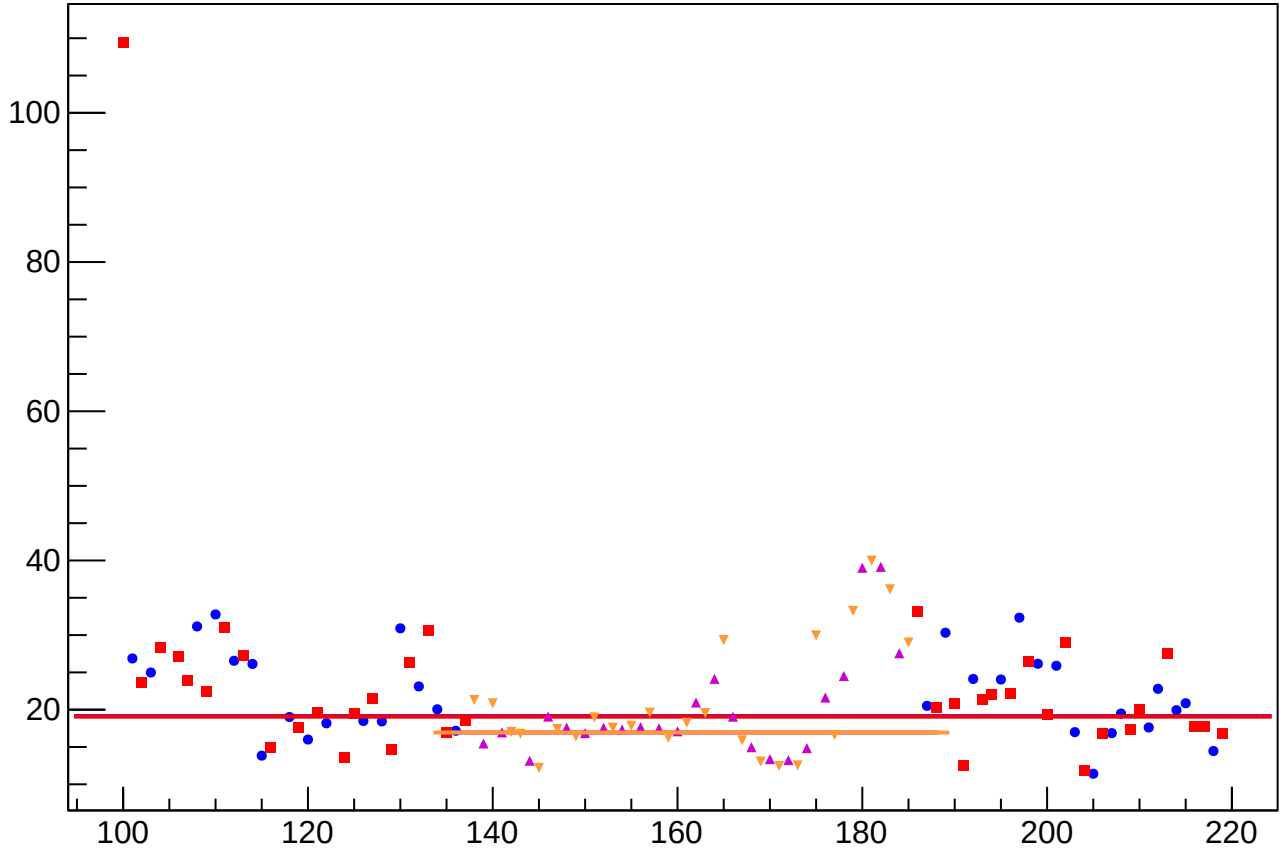
Right: -0.001+/-0.003 χ^2/NDF: 83.6/68

In: 0.003+/-0.003 χ^2/NDF:73.3/54

Out: -0.005+/-0.003 χ^2/NDF:69.6/61

All: -0.001+/-0.002 χ^2/NDF: 146.1/116

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.131+/-0.003 χ^2/NDF: 2541796.6/31

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.076+/-0.003 χ^2/NDF: 2338036.9/36

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

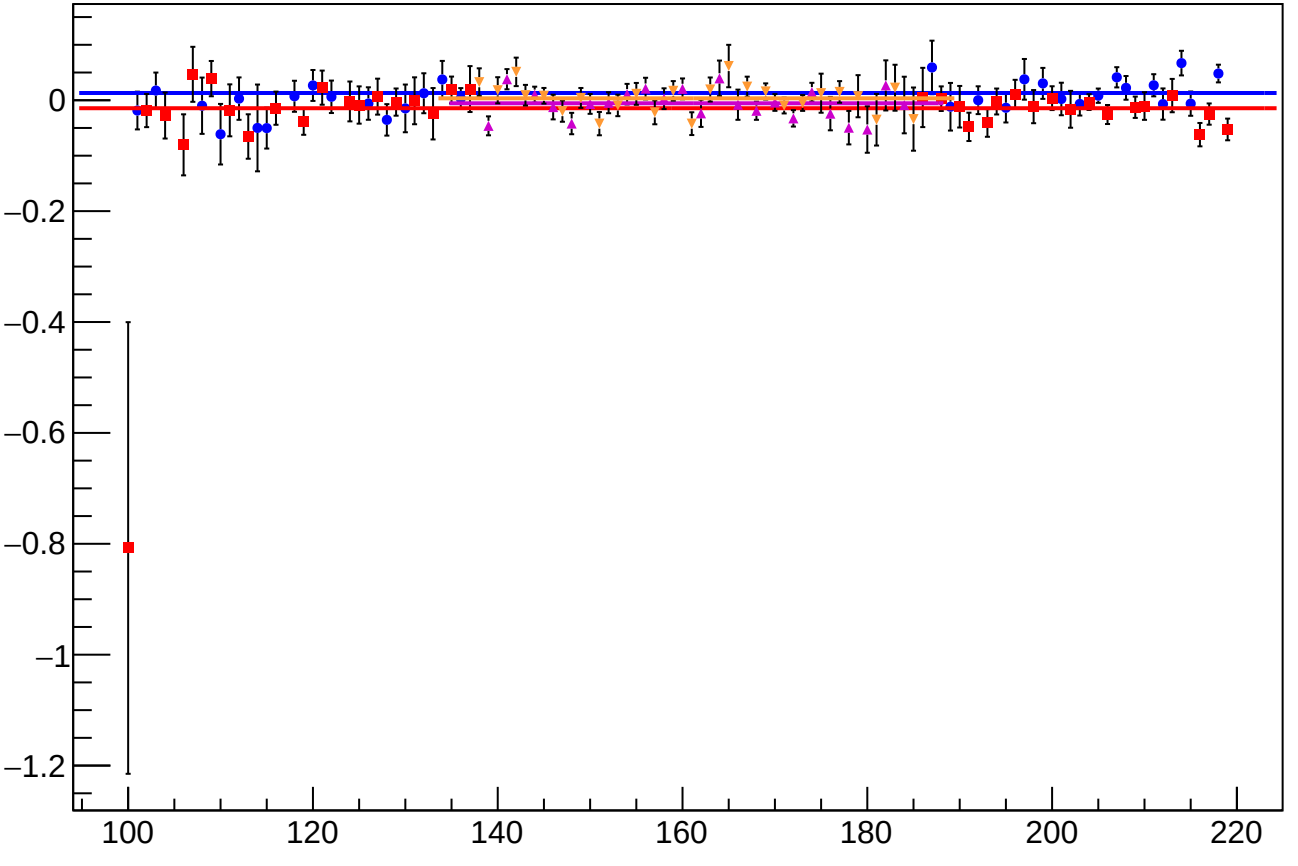
Right: 19.103+/-0.002 χ^2/NDF: 4879986.1/68

In: 17.942+/-0.002 χ^2/NDF:4732636.2/54

Out: 17.925+/-0.002 χ^2/NDF:5426715.6/61

All: 17.933+/-0.002 χ^2/NDF: 10159383.9/116

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.005 χ^2/NDF: 31.1/31

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.014+/-0.004 χ^2/NDF: 33.8/36

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

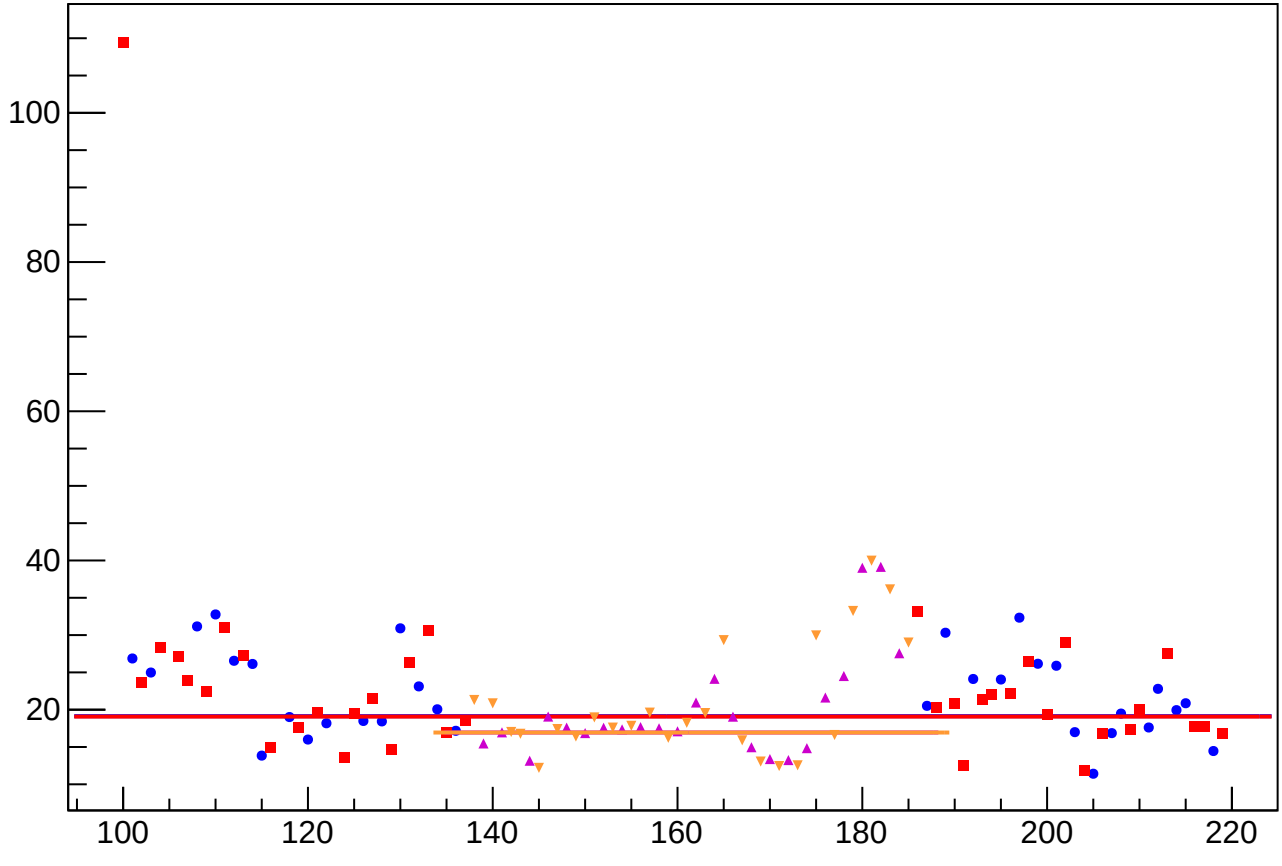
Right: -0.001+/-0.003 χ^2/NDF: 83.6/68

In: 0.003+/-0.003 χ^2/NDF:73.3/54

Out: -0.005+/-0.003 χ^2/NDF:69.6/61

All: -0.001+/-0.002 χ^2/NDF: 146.1/116

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.131+/-0.003 χ^2/NDF: 2541796.6/31

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.076+/-0.003 χ^2/NDF: 2338036.9/36

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

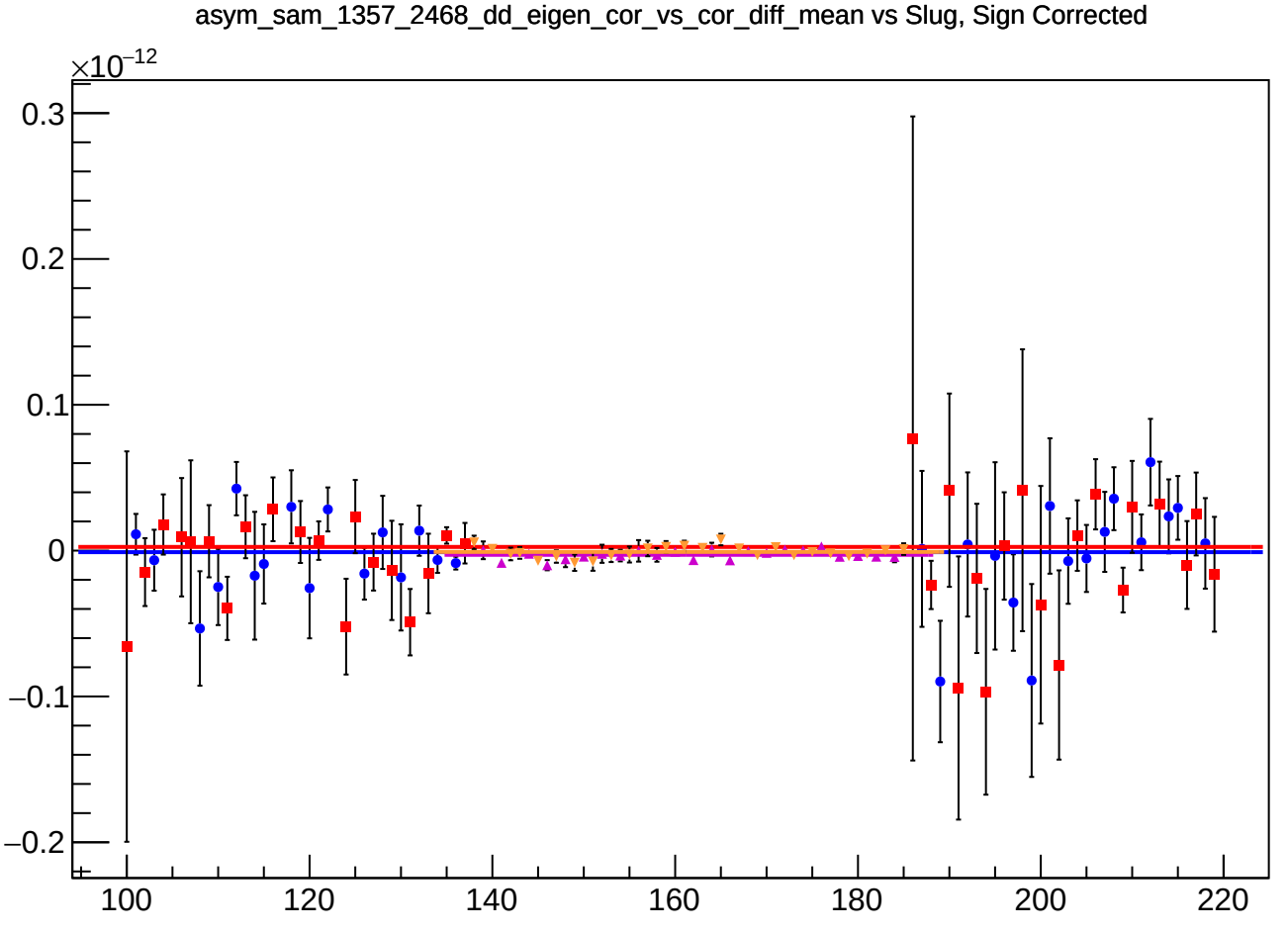
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 19.103+/-0.002 χ^2/NDF: 4879986.1/68

In: 17.942+/-0.002 χ^2/NDF:4732636.2/54

Out: 17.925+/-0.002 χ^2/NDF:5426715.6/61

All: 17.933+/-0.002 χ^2/NDF: 10159383.9/116



Right In: -0.000+/-0.000 χ^2/NDF: 38.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.9/36

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

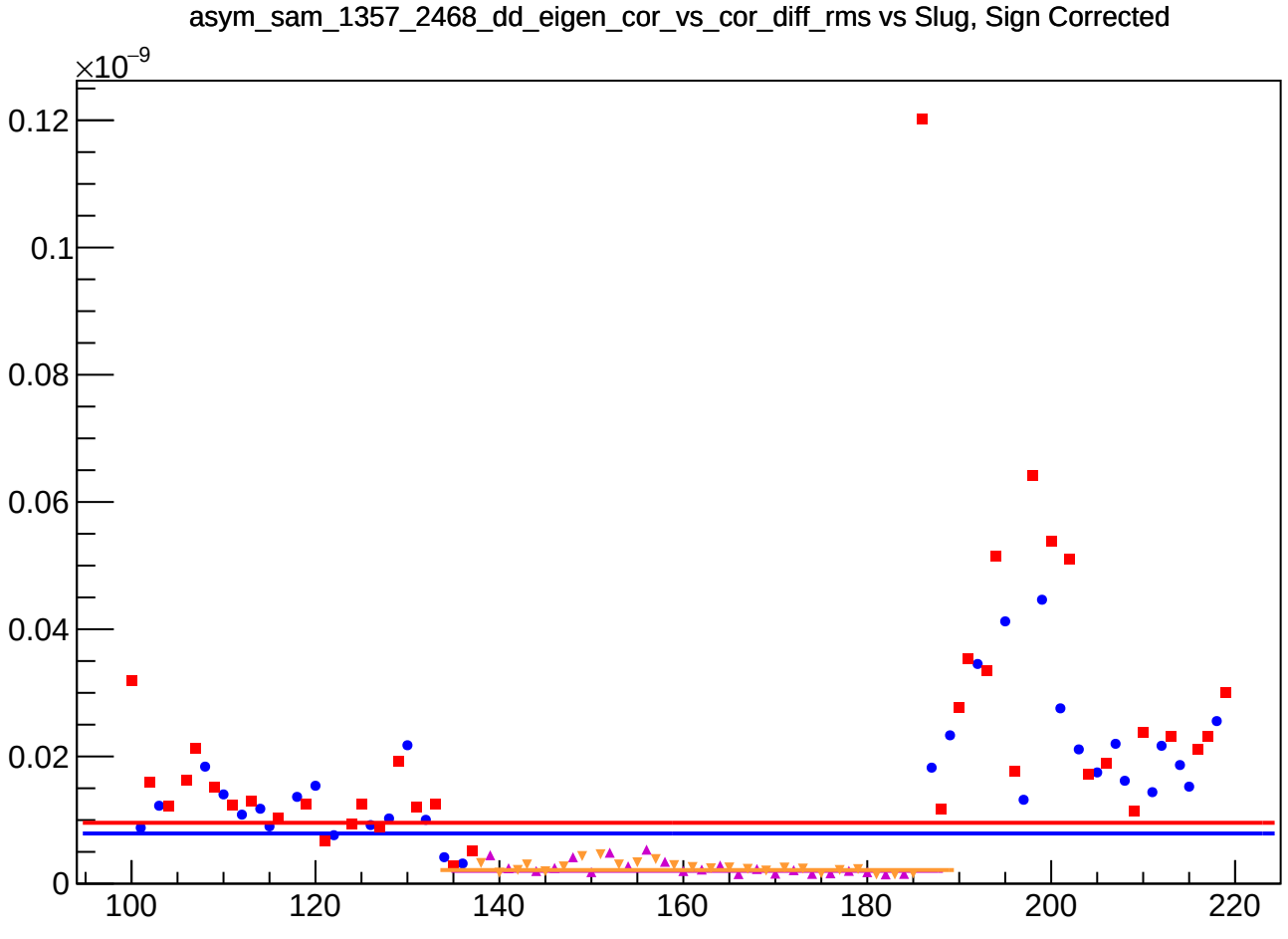
Left: -0.000+/-0.000 χ^2/NDF: 51.6/47

Right: 0.000+/-0.000 χ^2/NDF: 75.4/68

In: -0.000+/-0.000 χ^2/NDF:62.3/54

Out: -0.000+/-0.000 χ^2/NDF:60.5/61

All: -0.000+/-0.000 χ^2/NDF: 128.1/116



Right In: 0.000+/-0.000 χ^2/NDF: 9594592.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10787775.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

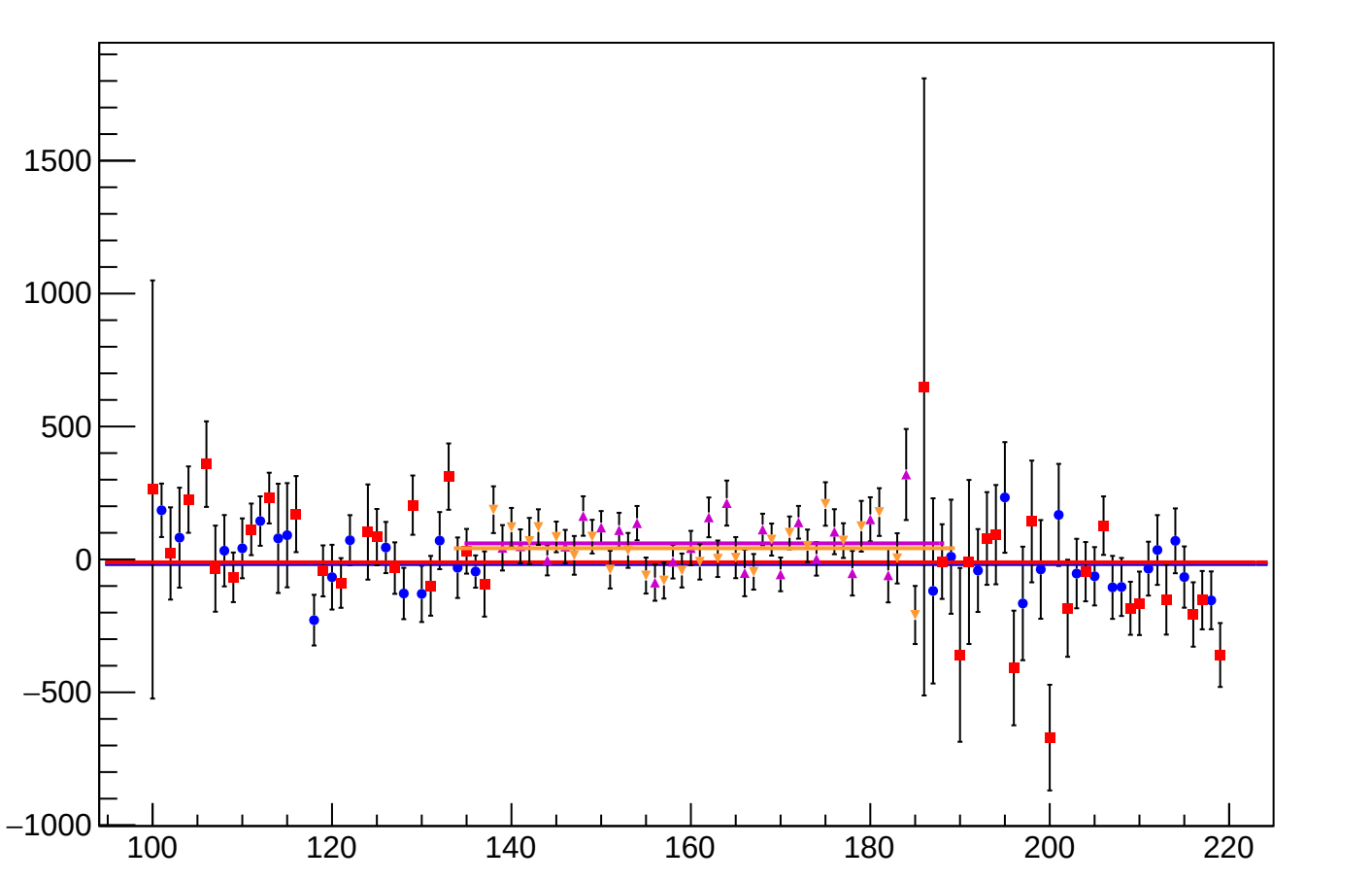
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 20656652.3/68

In: 0.000+/-0.000 χ^2/NDF:19397599.7/54

Out: 0.000+/-0.000 χ^2/NDF:22101157.6/61

All: 0.000+/-0.000 χ^2/NDF: 41535460.4/116



Right In: -17.546+/-20.821 χ^2/NDF: 24.9/31

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -10.971+/-20.959 χ^2/NDF: 70.8/36

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

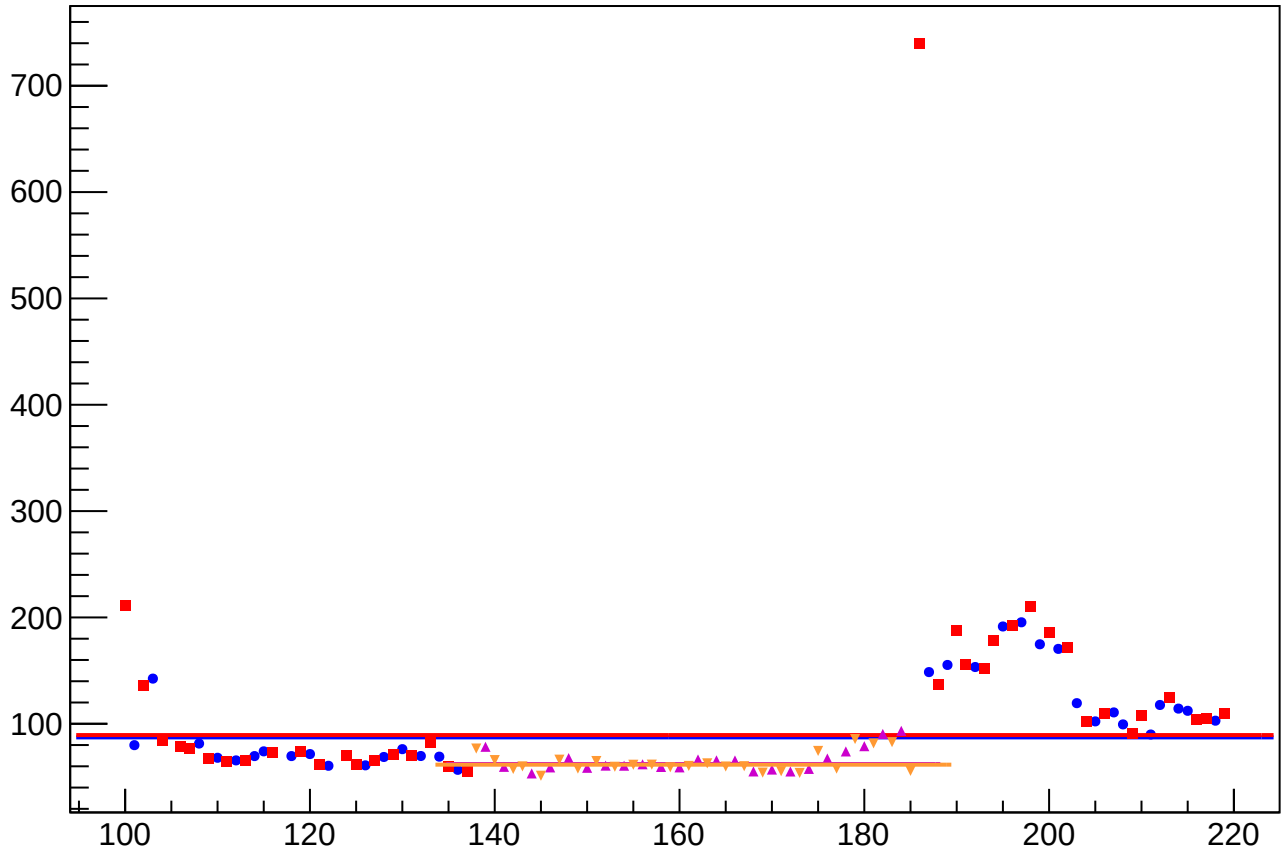
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: -14.280+/-14.771 χ^2/NDF: 95.7/68

In: 34.424+/-12.016 χ^2/NDF:66.4/54

Out: 25.374+/-11.745 χ^2/NDF:107.2/61

All: 29.796+/-8.399 χ^2/NDF: 173.9/116



Right In: 87.183+/-0.015 χ^2/NDF: 4556768.0/31

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 89.377+/-0.015 χ^2/NDF: 5777699.9/36

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

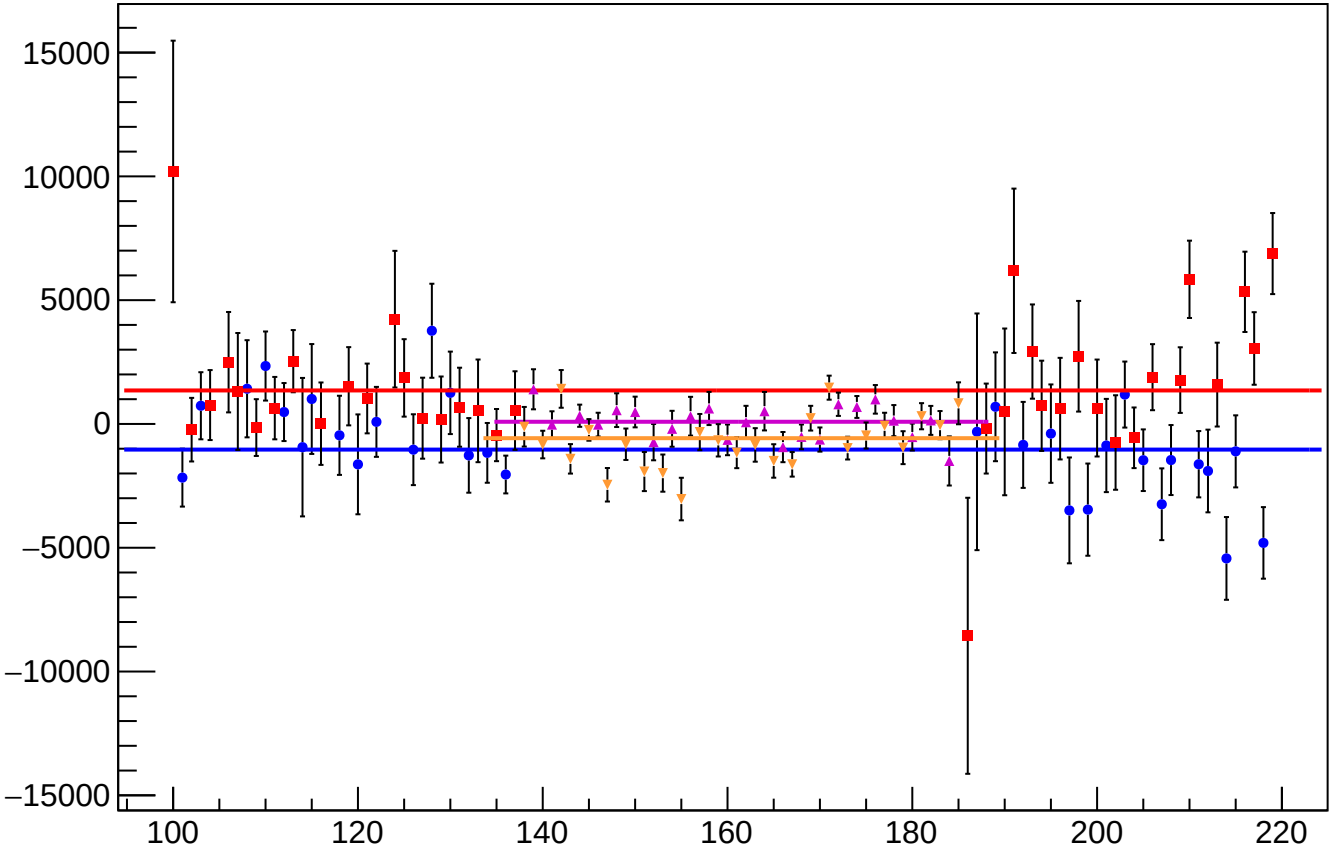
Right: 88.272+/-0.010 χ^2/NDF: 10345495.6/68

In: 70.484+/-0.008 χ^2/NDF:7082426.3/54

Out: 70.284+/-0.008 χ^2/NDF:8834829.2/61

All: 70.382+/-0.006 χ^2/NDF: 15917536.7/116

asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1035.625+/-264.904 χ^2/NDF: 46.8/31

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: 1353.231+/-268.580 χ^2/NDF: 52.6/36

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

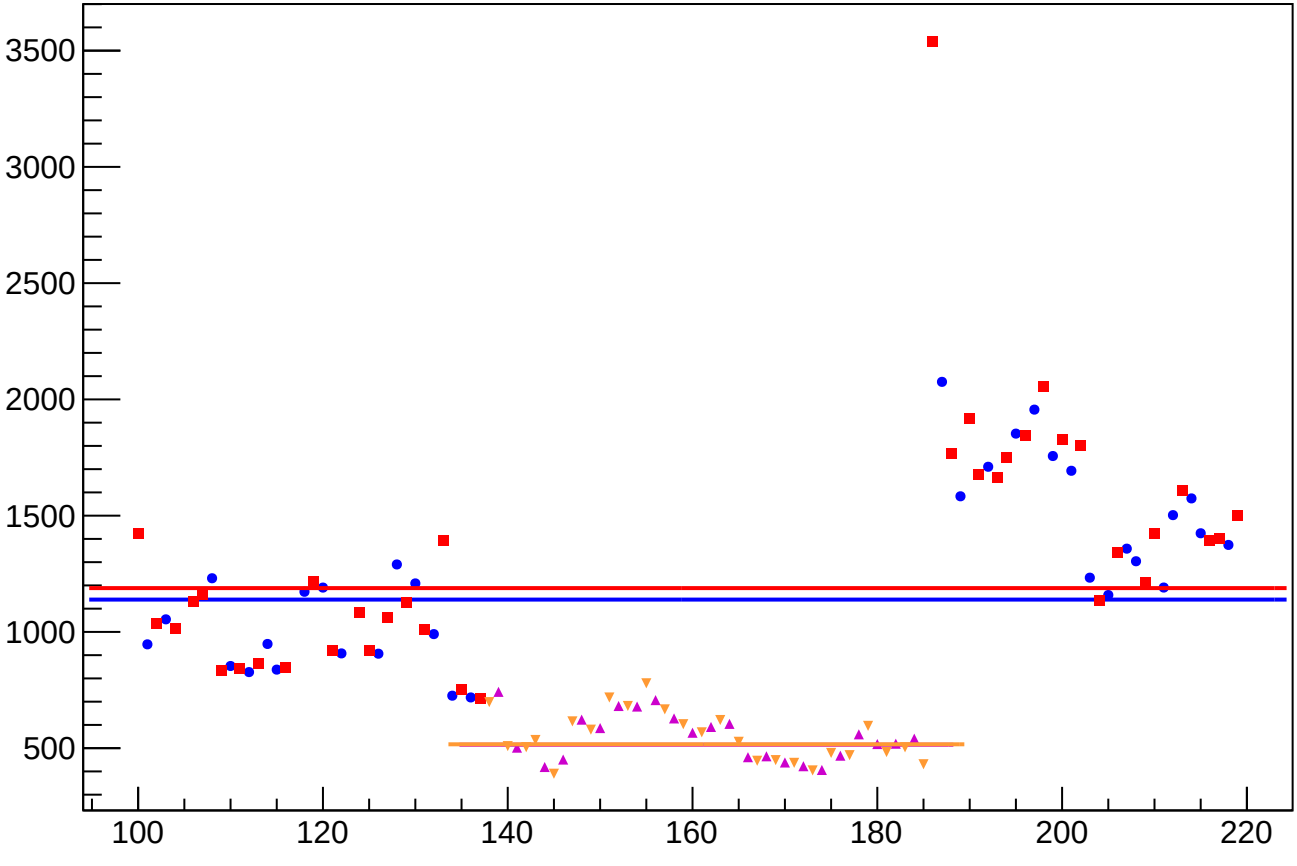
Right: 142.342+/-188.601 χ^2/NDF: 139.4/68

In: -109.654+/-111.181 χ^2/NDF:86.2/54

Out: -255.154+/-109.361 χ^2/NDF:164.3/61

All: -183.605+/-77.965 χ^2/NDF: 251.4/116

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1139.041+/-0.187 χ^2/NDF: 3090024.9/31

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1188.422+/-0.190 χ^2/NDF: 3626693.6/36

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

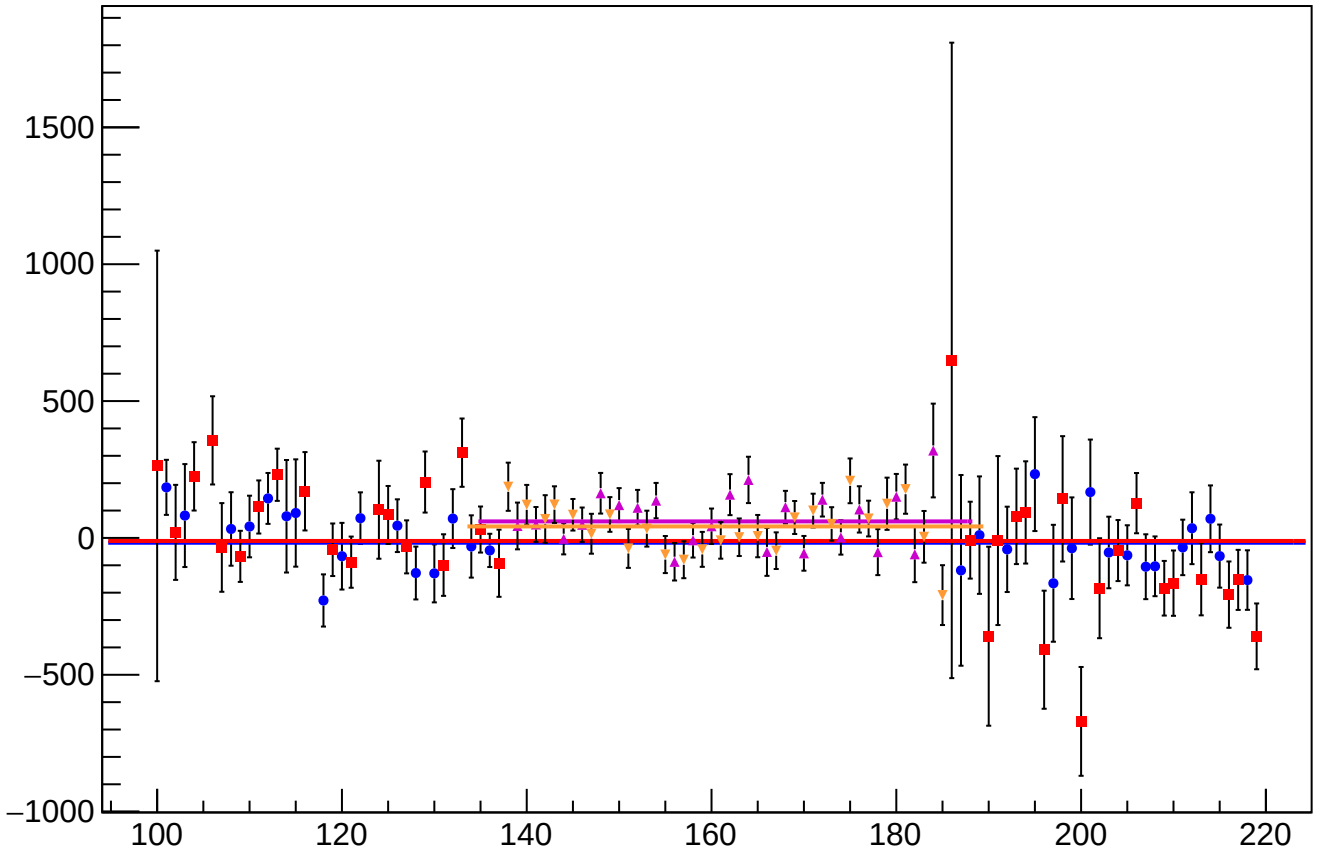
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1163.391+/-0.133 χ^2/NDF: 6750988.7/68

In: 624.746+/-0.079 χ^2/NDF:13360698.5/54

Out: 628.015+/-0.077 χ^2/NDF:15329871.4/61

All: 626.408+/-0.055 χ^2/NDF: 28691448.9/1



Right In: -17.552+/-20.821 χ^2/NDF: 24.9/31

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -11.050+/-20.960 χ^2/NDF: 70.7/36

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

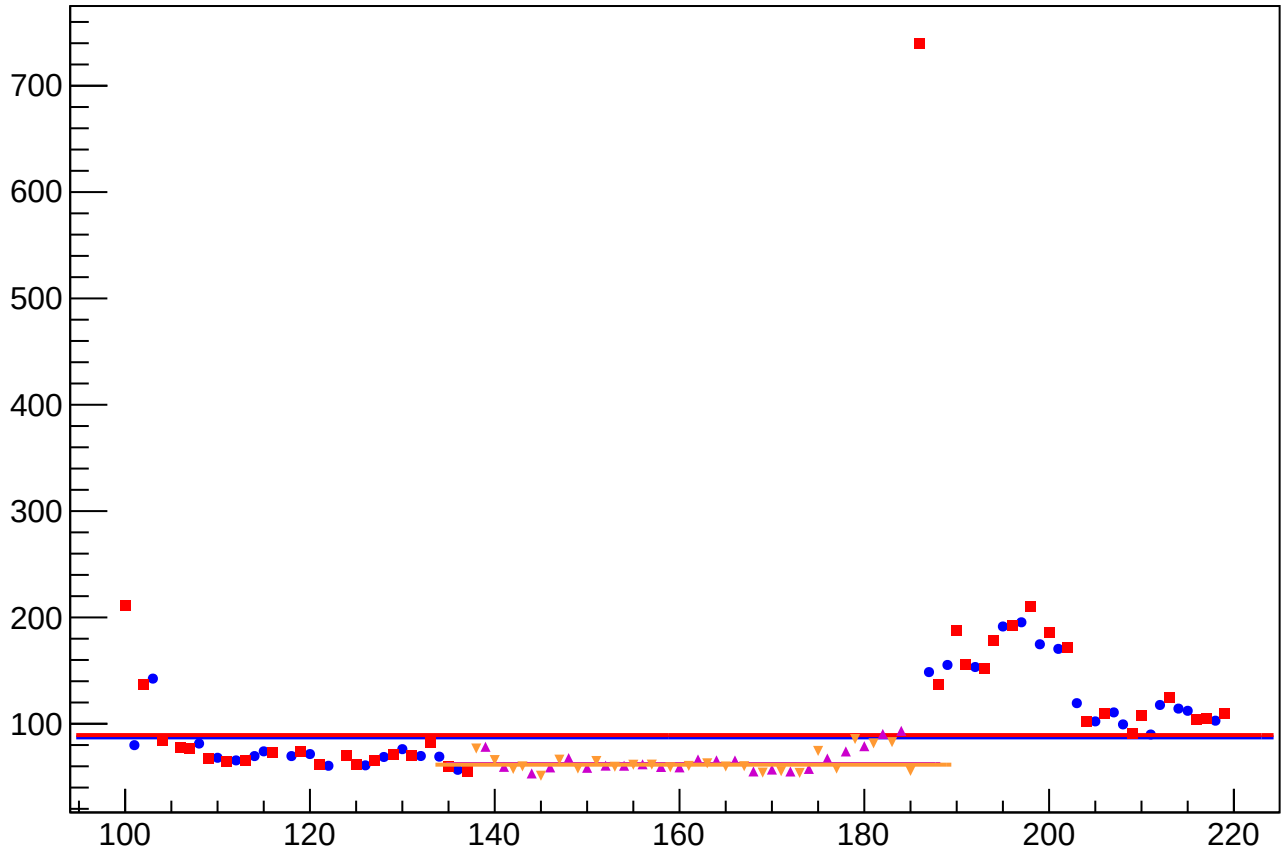
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: -14.322+/-14.772 χ^2/NDF: 95.6/68

In: 34.422+/-12.016 χ^2/NDF:66.4/54

Out: 25.353+/-11.745 χ^2/NDF:107.1/61

All: 29.784+/-8.399 χ^2/NDF: 173.8/116



Right In: 87.183+/-0.015 χ^2/NDF: 4556771.1/31

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 89.365+/-0.015 χ^2/NDF: 5779180.9/36

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

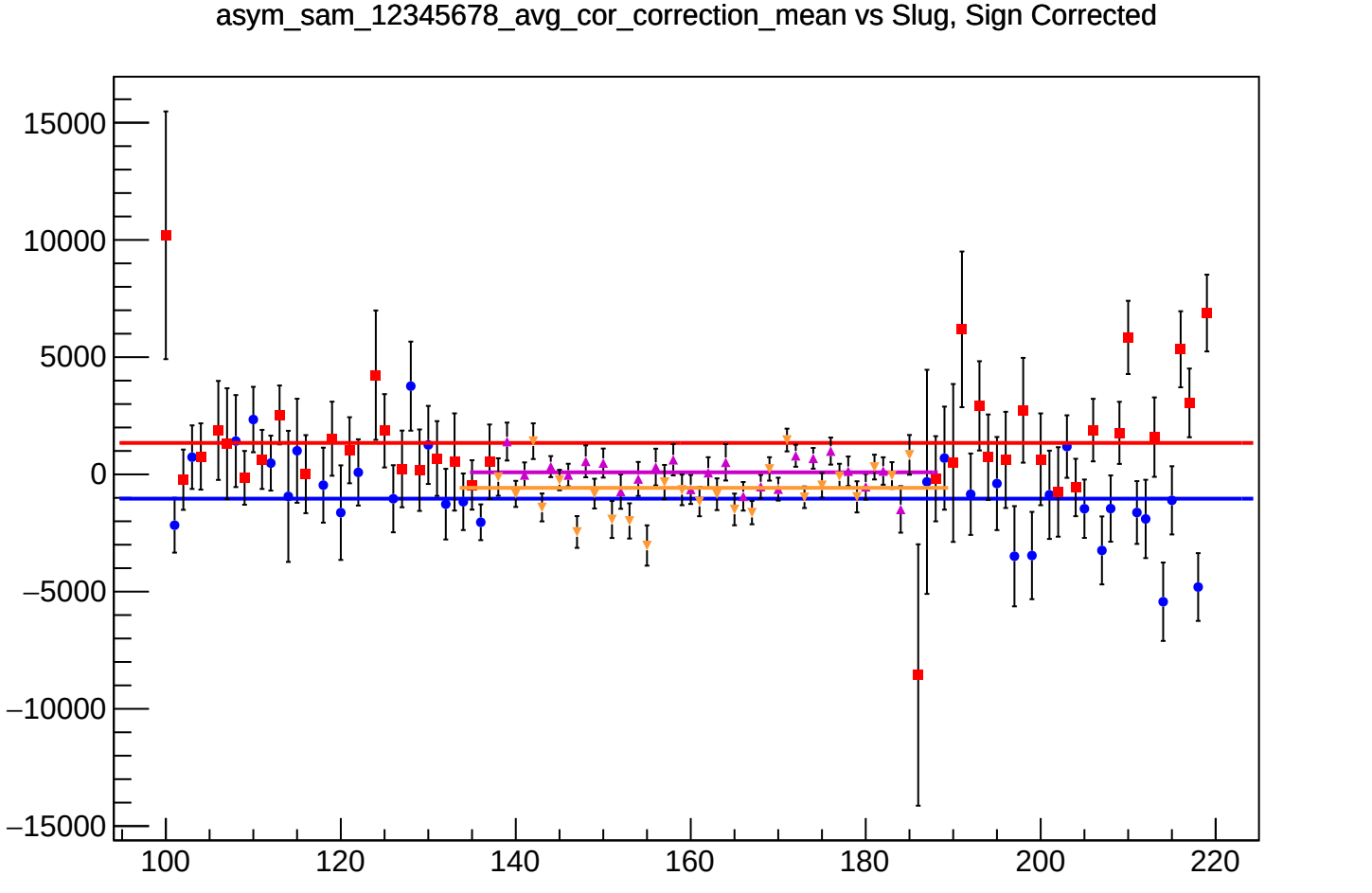
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

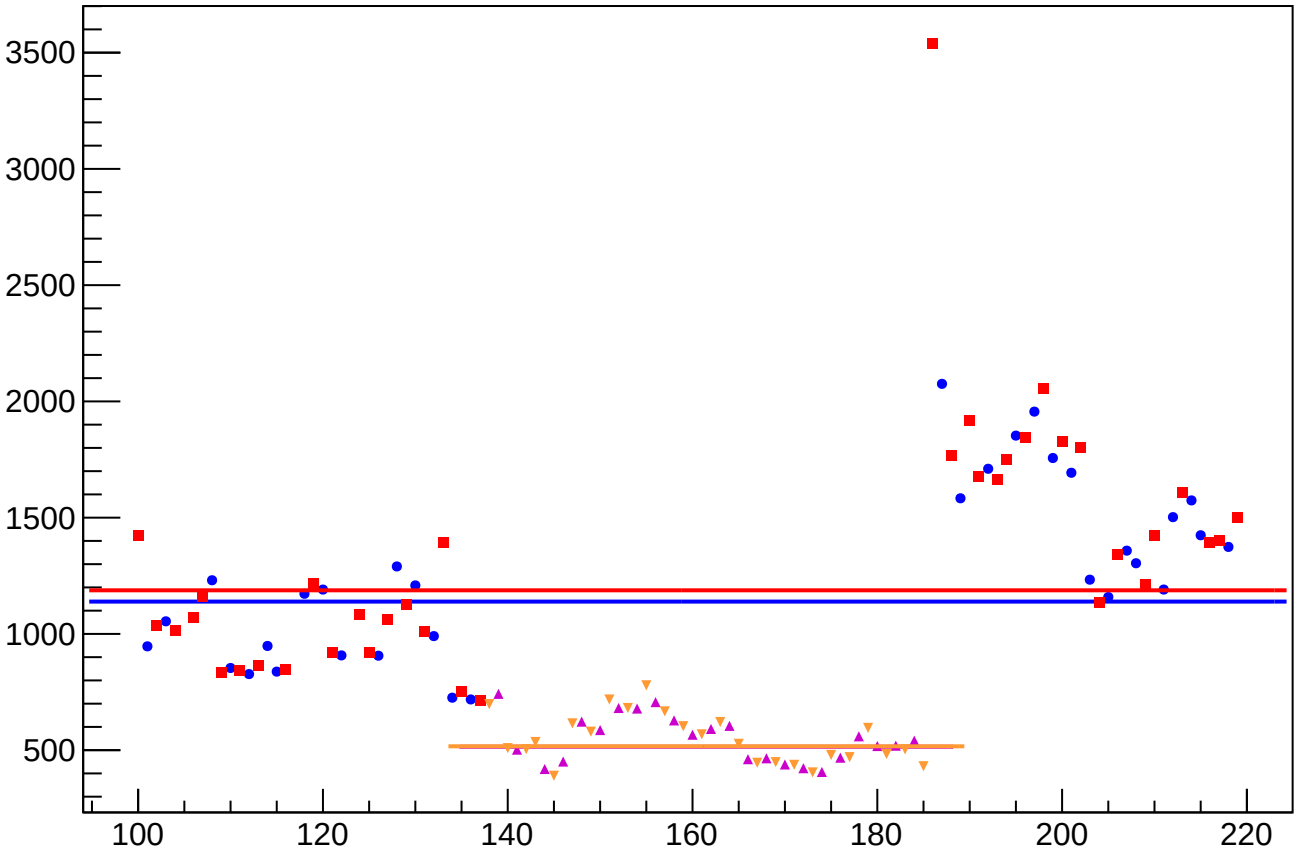
Right: 88.267+/-0.010 χ^2/NDF: 10346867.6/68

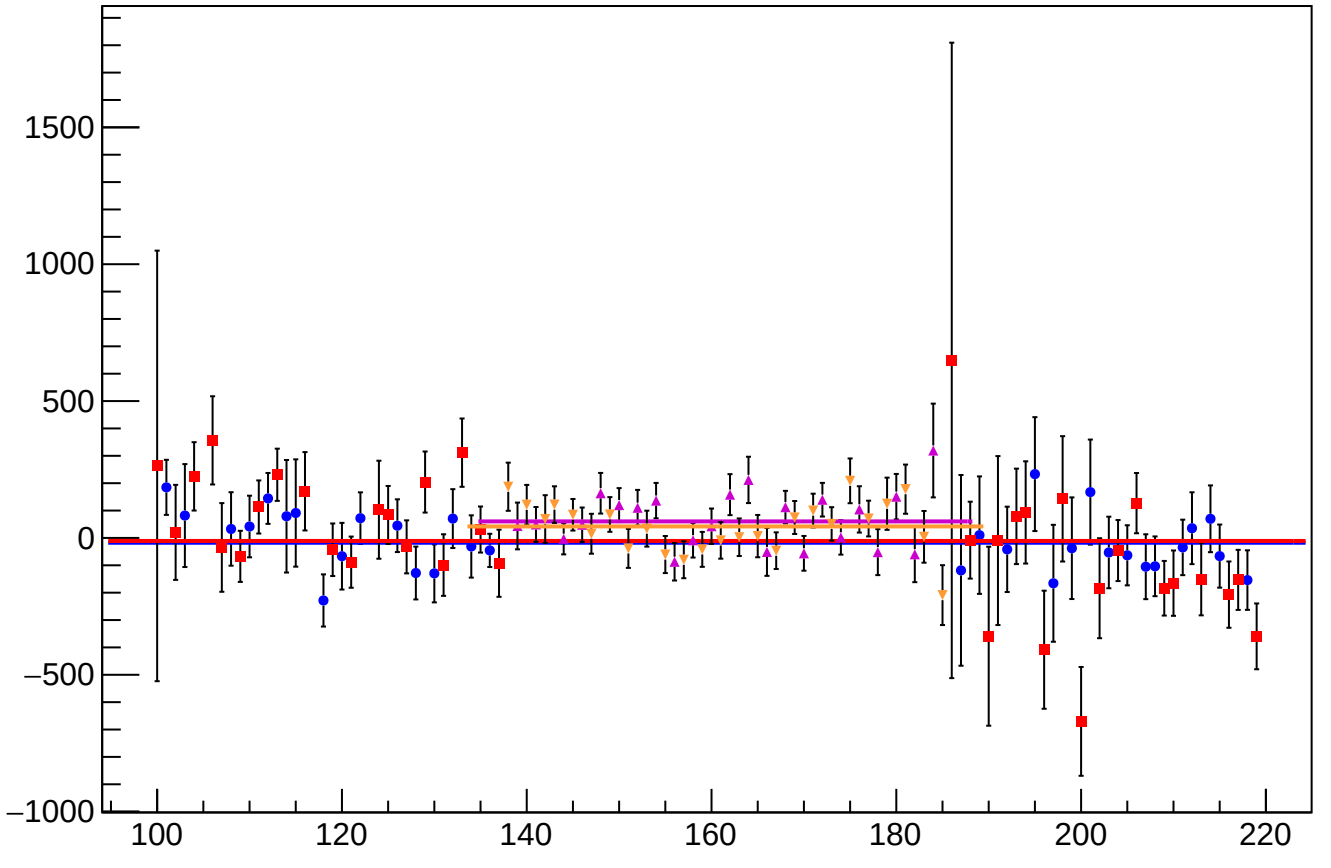
In: 70.484+/-0.008 χ^2/NDF:7082429.4/54

Out: 70.281+/-0.008 χ^2/NDF:8834288.5/61

All: 70.380+/-0.006 χ^2/NDF: 15917009.9/116


asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -1035.611+/-264.904 χ²/NDF: 46.8/31
Left Out: -574.811+/-119.736 χ²/NDF:68.8/24
Right Out: 1341.960+/-268.772 χ²/NDF: 52.3/36
Left In: 88.333+/-122.492 χ²/NDF:24.6/22
Left: -250.783+/-85.624 χ²/NDF: 108.4/47
Right: 135.947+/-188.668 χ²/NDF: 138.8/68
In: -109.651+/-111.182 χ²/NDF:86.2/54
Out: -257.395+/-109.374 χ²/NDF:163.5/61
All: -184.734+/-77.970 χ²/NDF: 250.6/116


asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1139.045+/-0.187 χ²/NDF: 3090013.4/31
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 1187.526+/-0.190 χ²/NDF: 3631156.9/36
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
Left: 515.729+/-0.061 χ²/NDF: 2385832.1/47
Right: 1162.934+/-0.133 χ²/NDF: 6754179.5/68
In: 624.746+/-0.079 χ²/NDF:13360739.4/54
Out: 627.734+/-0.077 χ²/NDF:15294135.9/61
All: 626.265+/-0.055 χ²/NDF: 28655609.4/11



Right In: -17.552+/-20.821 χ^2/NDF: 24.9/31

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -11.050+/-20.960 χ^2/NDF: 70.7/36

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

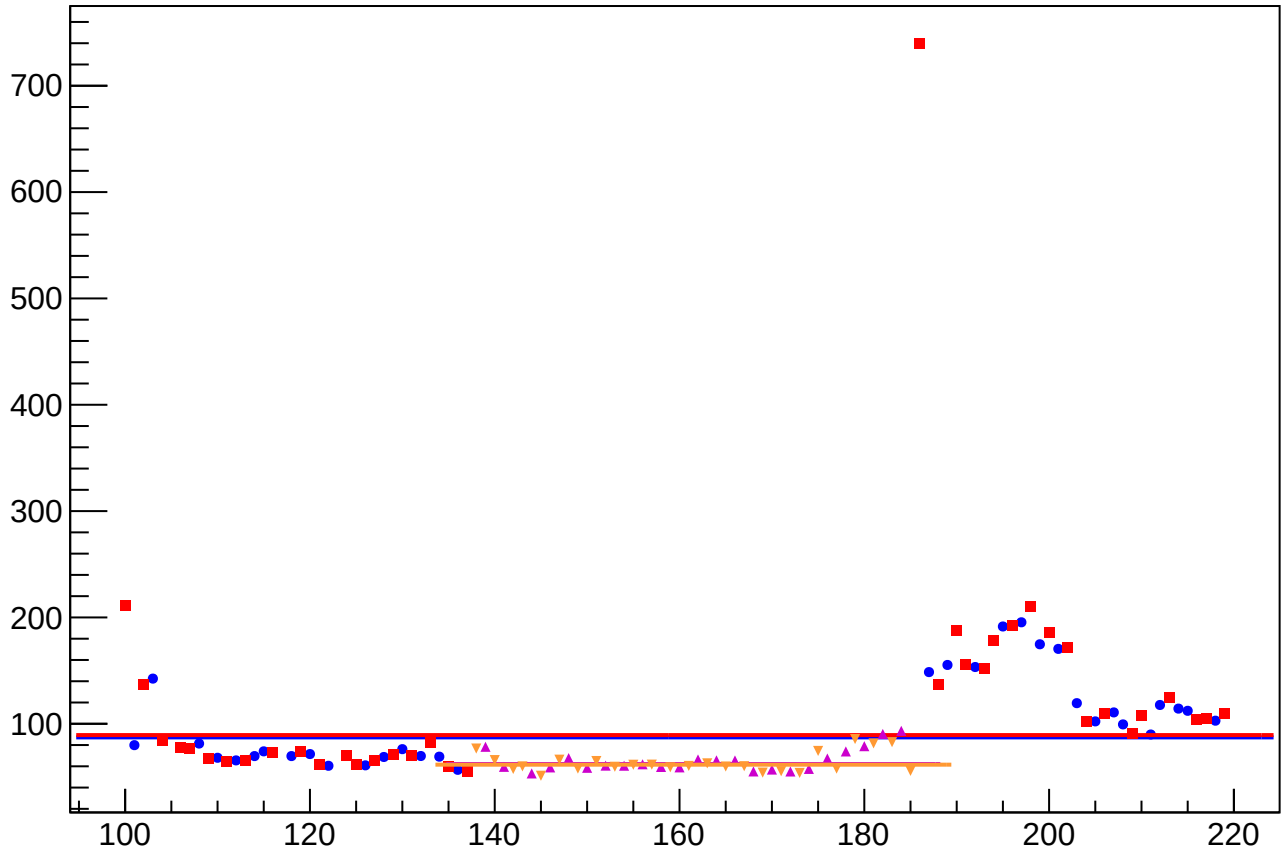
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: -14.322+/-14.772 χ^2/NDF: 95.6/68

In: 34.422+/-12.016 χ^2/NDF:66.4/54

Out: 25.353+/-11.745 χ^2/NDF:107.1/61

All: 29.784+/-8.399 χ^2/NDF: 173.8/116



Right In: 87.183+/-0.015 χ^2/NDF: 4556771.1/31

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 89.365+/-0.015 χ^2/NDF: 5779180.9/36

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

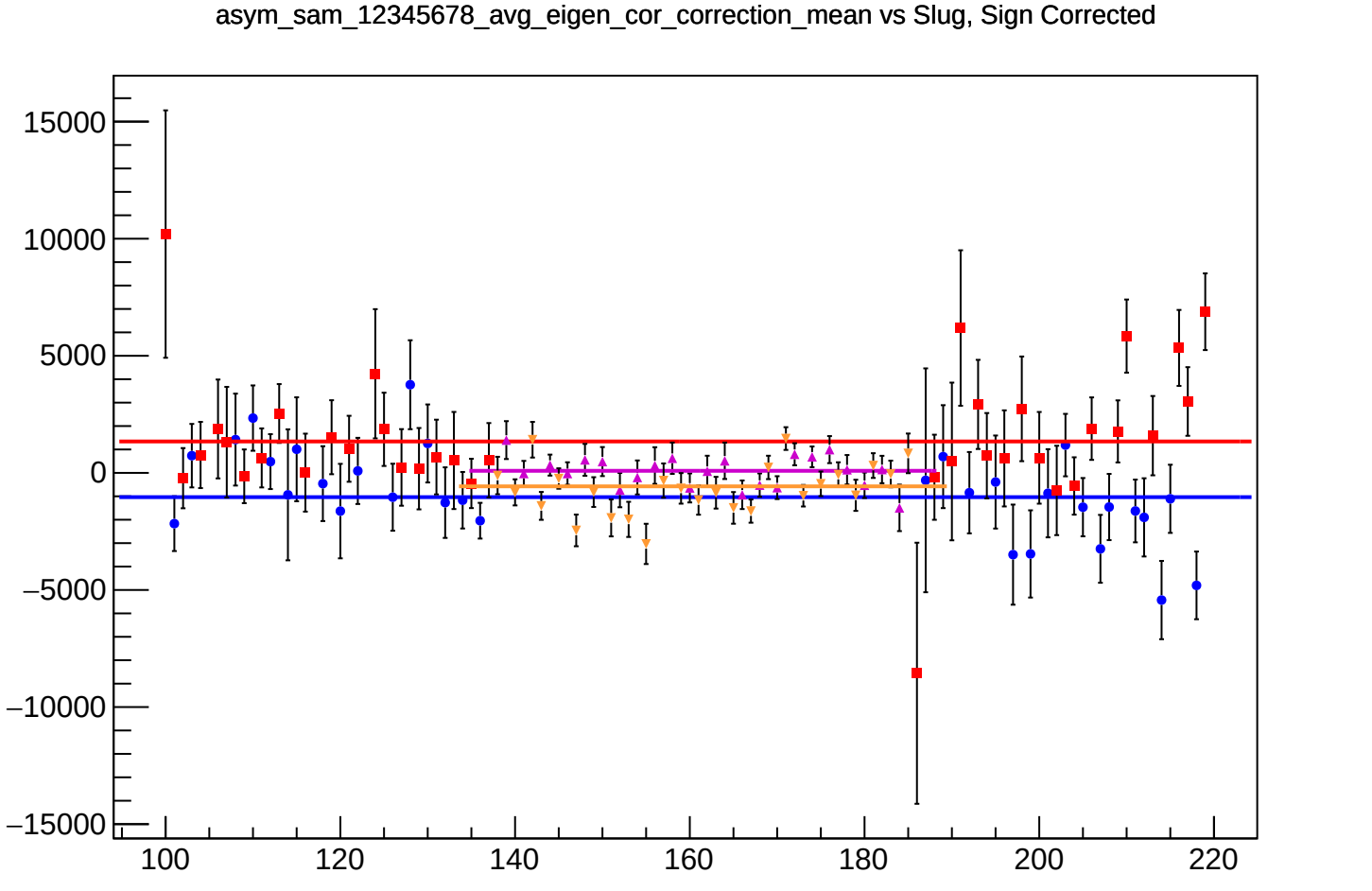
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 88.267+/-0.010 χ^2/NDF: 10346867.6/68

In: 70.484+/-0.008 χ^2/NDF:7082429.4/54

Out: 70.281+/-0.008 χ^2/NDF:8834288.5/61

All: 70.380+/-0.006 χ^2/NDF: 15917009.9/116



Right In: -1035.611+/-264.904 χ^2/NDF: 46.8/31

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 1341.960+/-268.772 χ^2/NDF: 52.3/36

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

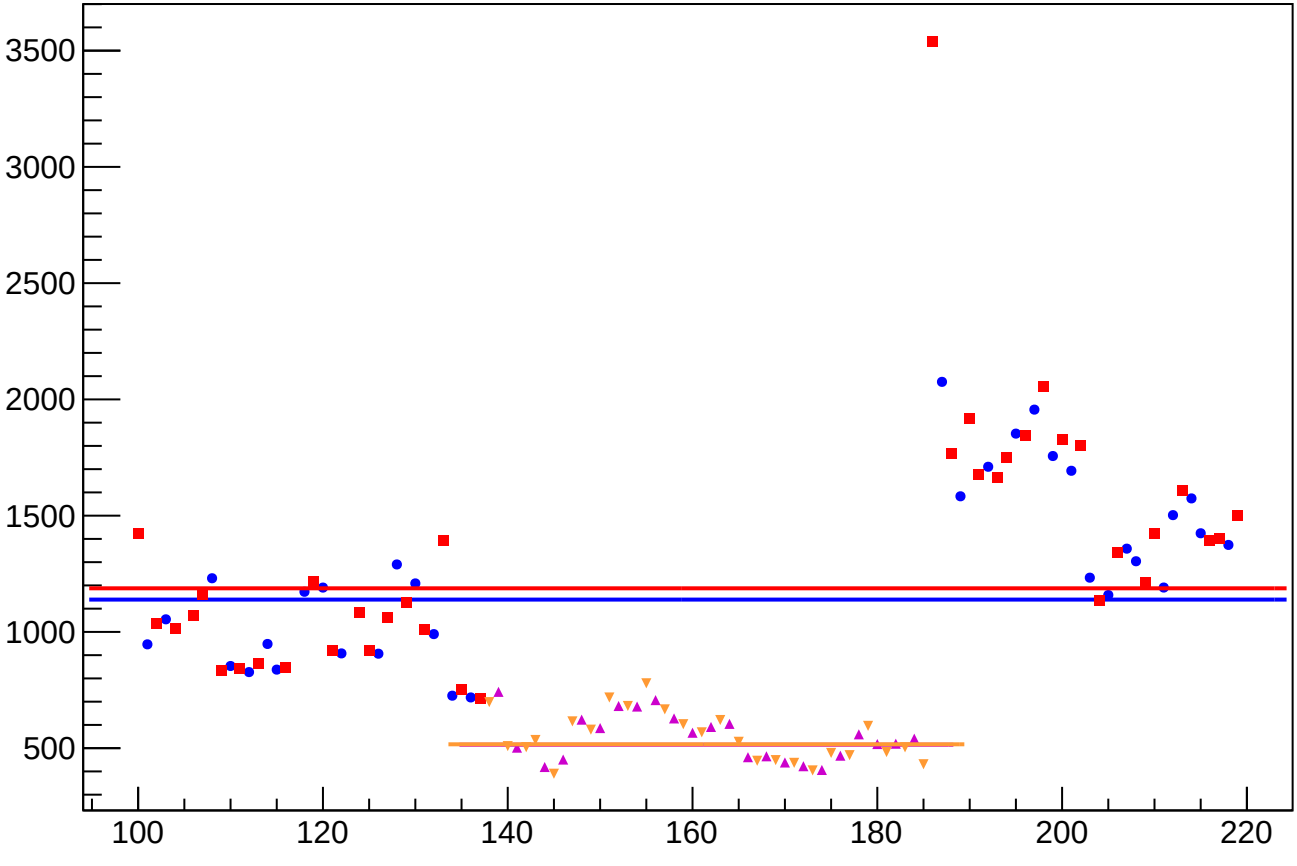
Right: 135.947+/-188.668 χ^2/NDF: 138.8/68

In: -109.651+/-111.182 χ^2/NDF:86.2/54

Out: -257.395+/-109.374 χ^2/NDF:163.5/61

All: -184.734+/-77.970 χ^2/NDF: 250.6/116

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1139.045+/-0.187 χ^2/NDF: 3090013.4/31

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1187.526+/-0.190 χ^2/NDF: 3631156.9/36

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

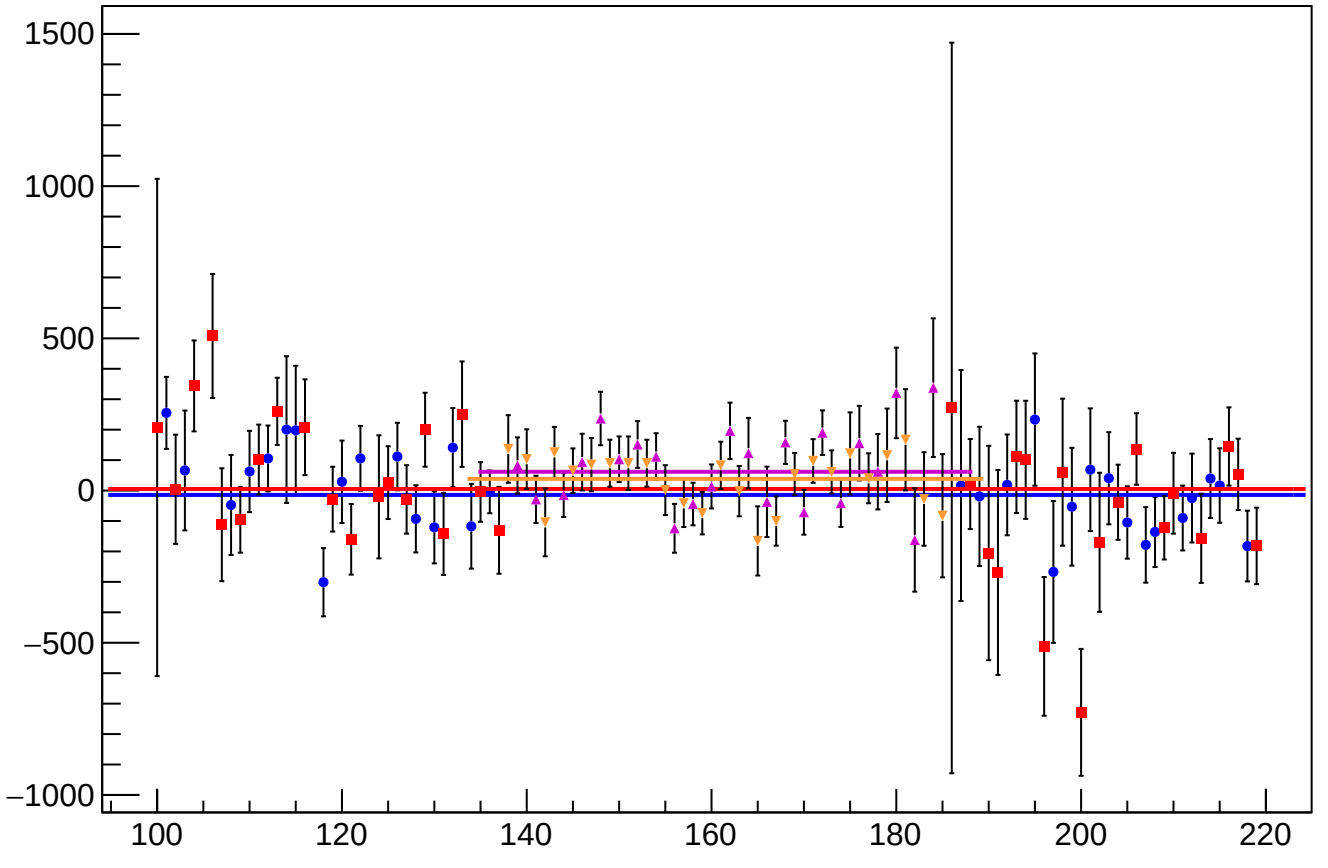
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1162.934+/-0.133 χ^2/NDF: 6754179.5/68

In: 624.746+/-0.079 χ^2/NDF:13360739.4/54

Out: 627.734+/-0.077 χ^2/NDF:15294135.9/61

All: 626.265+/-0.055 χ^2/NDF: 28655609.4/11



Right In: -14.329+/-23.379 χ^2/NDF: 30.4/31

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 5.206+/-23.643 χ^2/NDF: 56.8/36

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

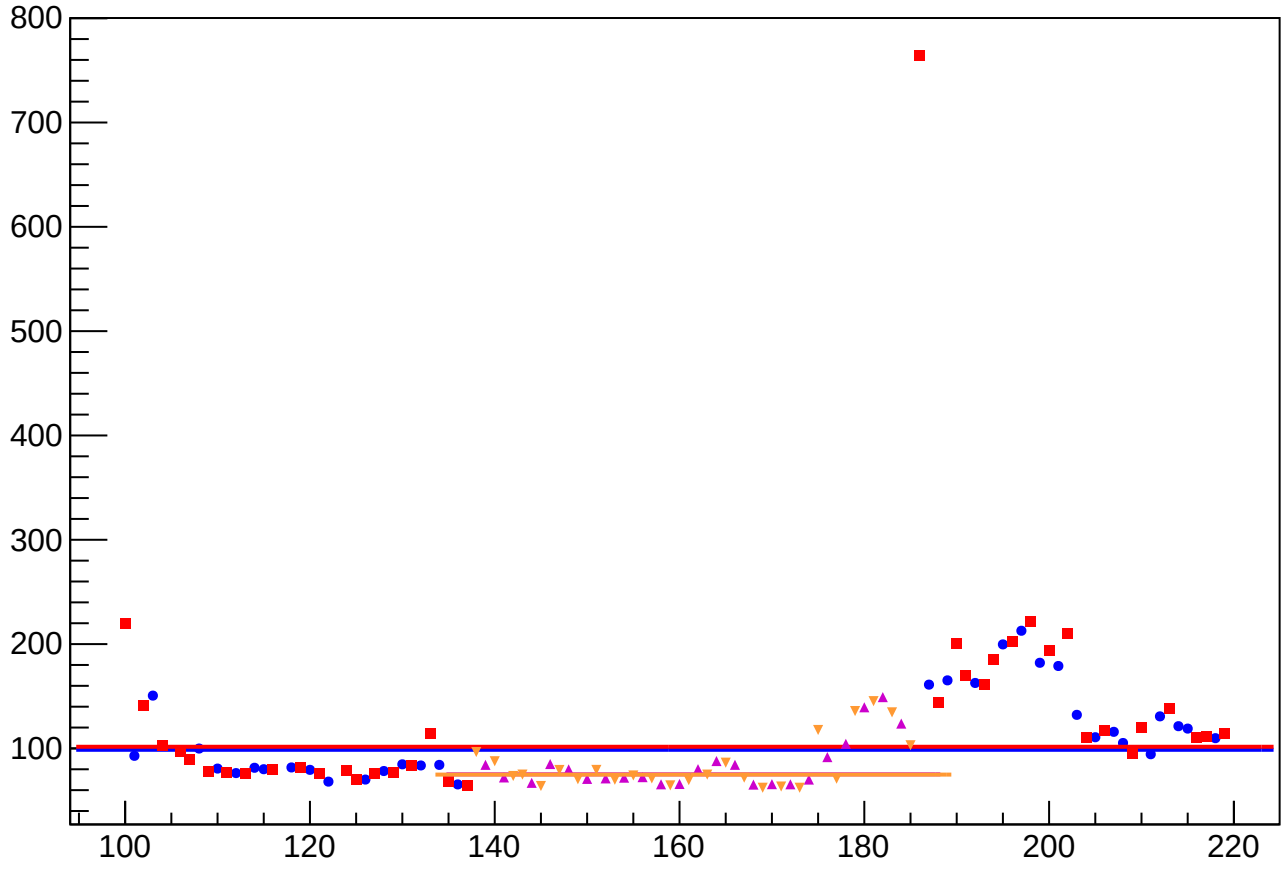
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: -4.671+/-16.624 χ^2/NDF: 87.5/68

In: 33.042+/-14.357 χ^2/NDF:73.8/54

Out: 26.429+/-14.154 χ^2/NDF:76.8/61

All: 29.688+/-10.079 χ^2/NDF: 150.7/116



Right In: 98.677+/-0.017 χ^2/NDF: 3786866.8/31

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 101.581+/-0.017 χ^2/NDF: 5003537.9/36

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

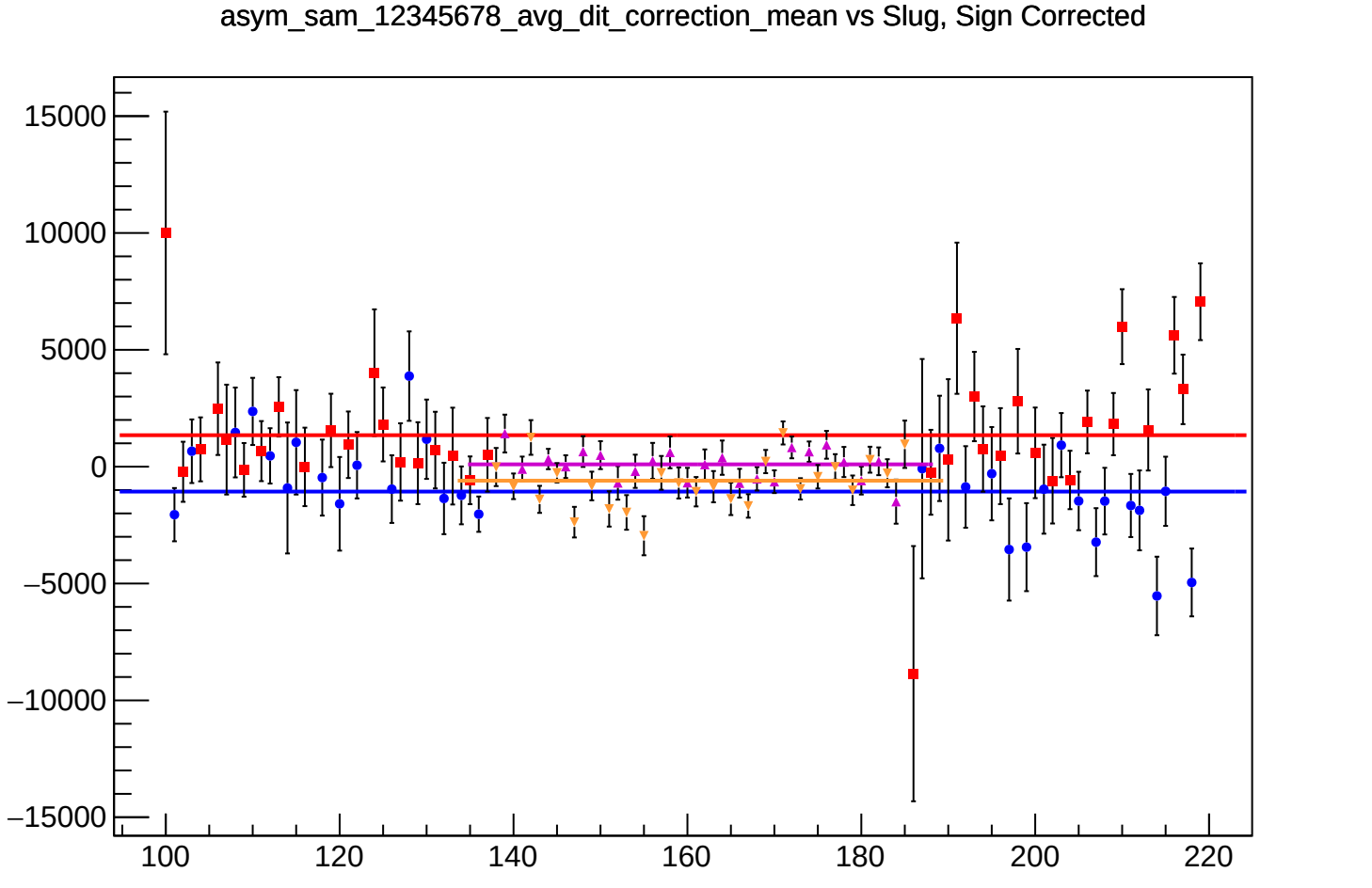
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

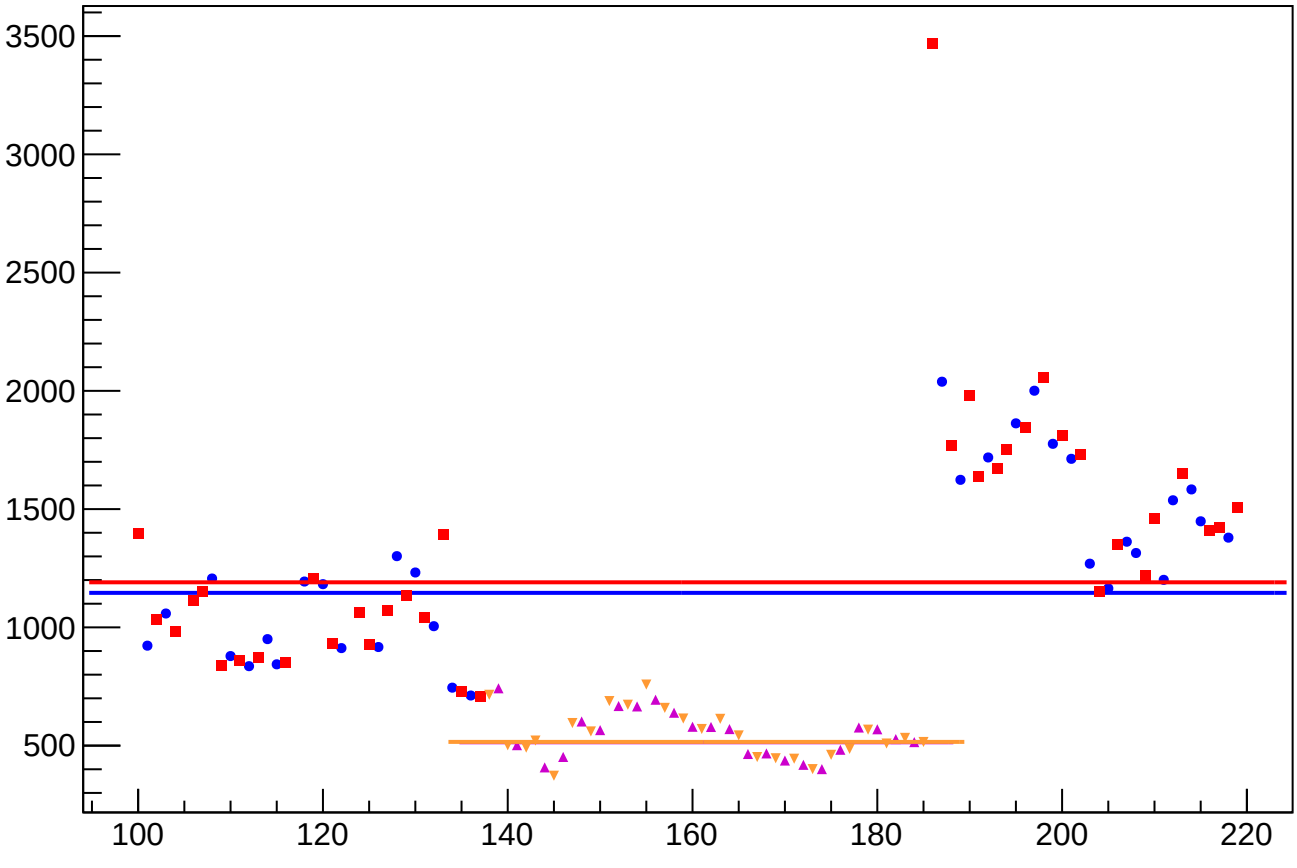
Right: 100.113+/-0.012 χ^2/NDF: 8805662.7/68

In: 84.026+/-0.010 χ^2/NDF:6360379.9/54

Out: 84.463+/-0.010 χ^2/NDF:8298983.5/61

All: 84.248+/-0.007 χ^2/NDF: 14660303.4/116


asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -1065.126+/-266.687 χ²/NDF: 46.2/31
Left Out: -598.826+/-119.324 χ²/NDF:65.0/24
Right Out: 1346.666+/-269.080 χ²/NDF: 55.8/36
Left In: 99.102+/-122.310 χ²/NDF:23.7/22
Left: -258.487+/-85.411 χ²/NDF: 105.4/47
Right: 129.996+/-189.417 χ²/NDF: 142.5/68
In: -103.225+/-111.176 χ²/NDF:85.6/54
Out: -279.119+/-109.080 χ²/NDF:164.5/61
All: -192.846+/-77.861 χ²/NDF: 251.4/116



Right In: 1145.909+/-0.189 χ^2/NDF: 3161233.5/31

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1190.502+/-0.190 χ^2/NDF: 3658432.5/36

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

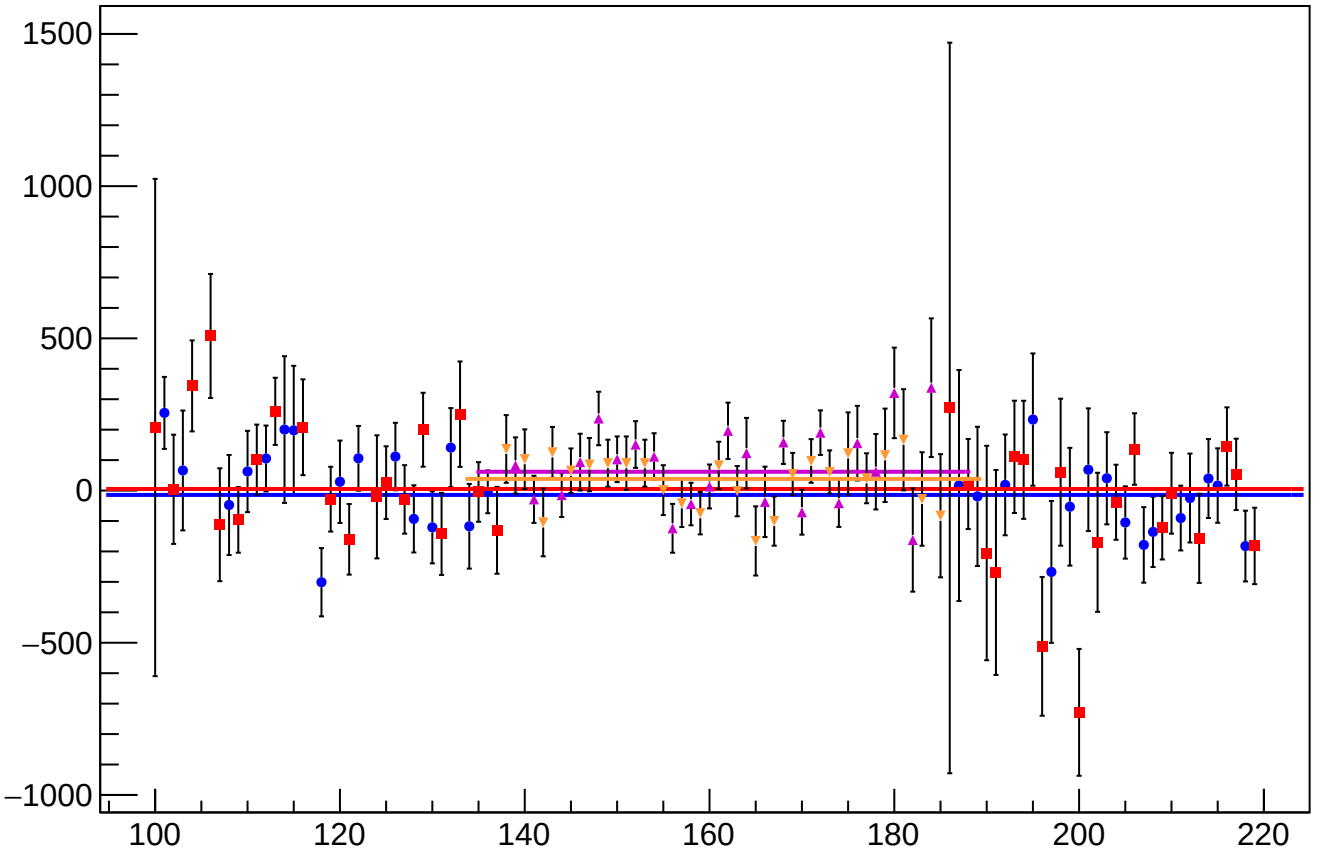
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1168.006+/-0.134 χ^2/NDF: 6847376.2/68

In: 623.890+/-0.079 χ^2/NDF:13552983.7/54

Out: 626.644+/-0.077 χ^2/NDF:15400207.6/61

All: 625.293+/-0.055 χ^2/NDF: 28953816.4/11



Right In: -14.327+/-23.379 χ^2/NDF: 30.4/31

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 5.204+/-23.643 χ^2/NDF: 56.8/36

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

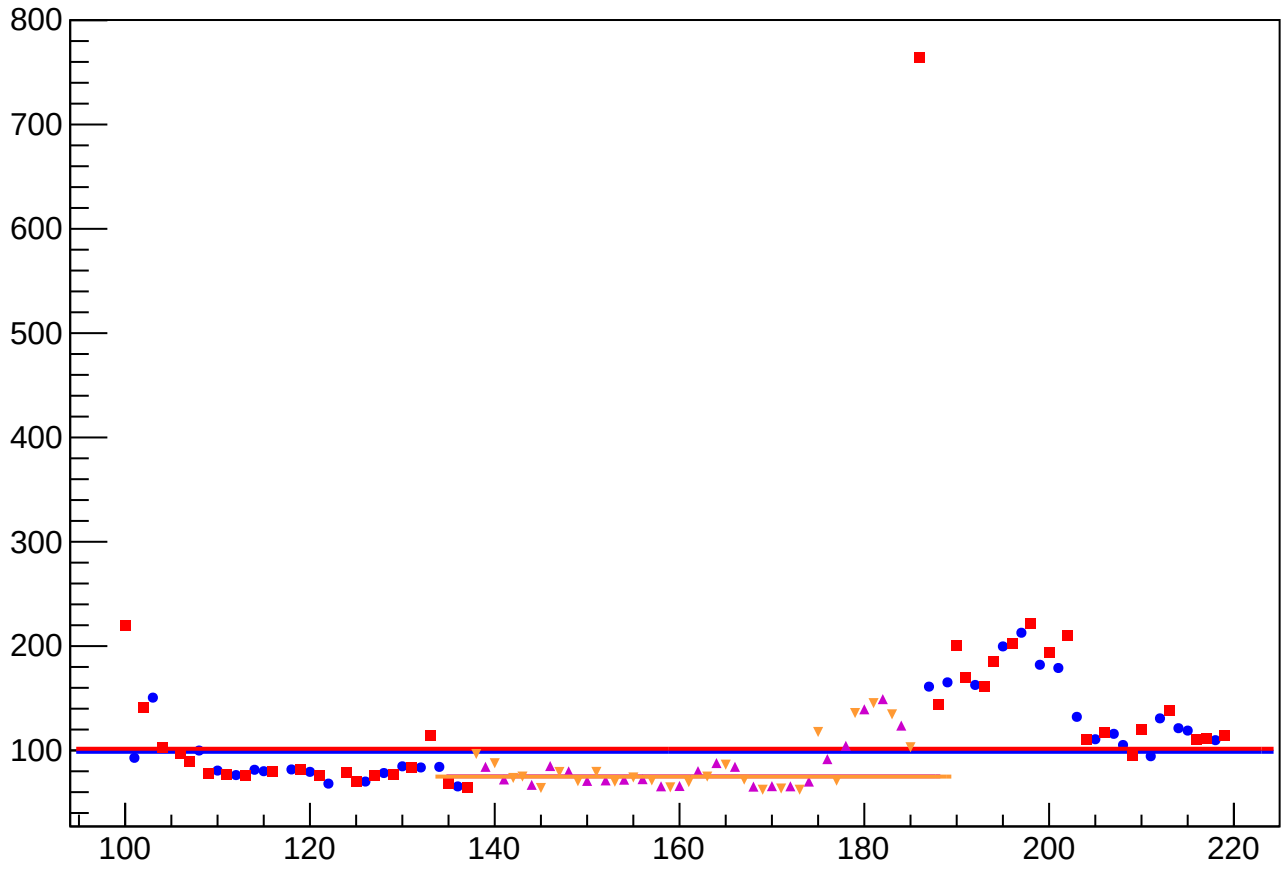
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: -4.671+/-16.624 χ^2/NDF: 87.5/68

In: 33.042+/-14.357 χ^2/NDF:73.8/54

Out: 26.428+/-14.154 χ^2/NDF:76.8/61

All: 29.688+/-10.079 χ^2/NDF: 150.7/116



Right In: 98.677+/-0.017 χ^2/NDF: 3786880.6/31

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 101.581+/-0.017 χ^2/NDF: 5003566.3/36

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

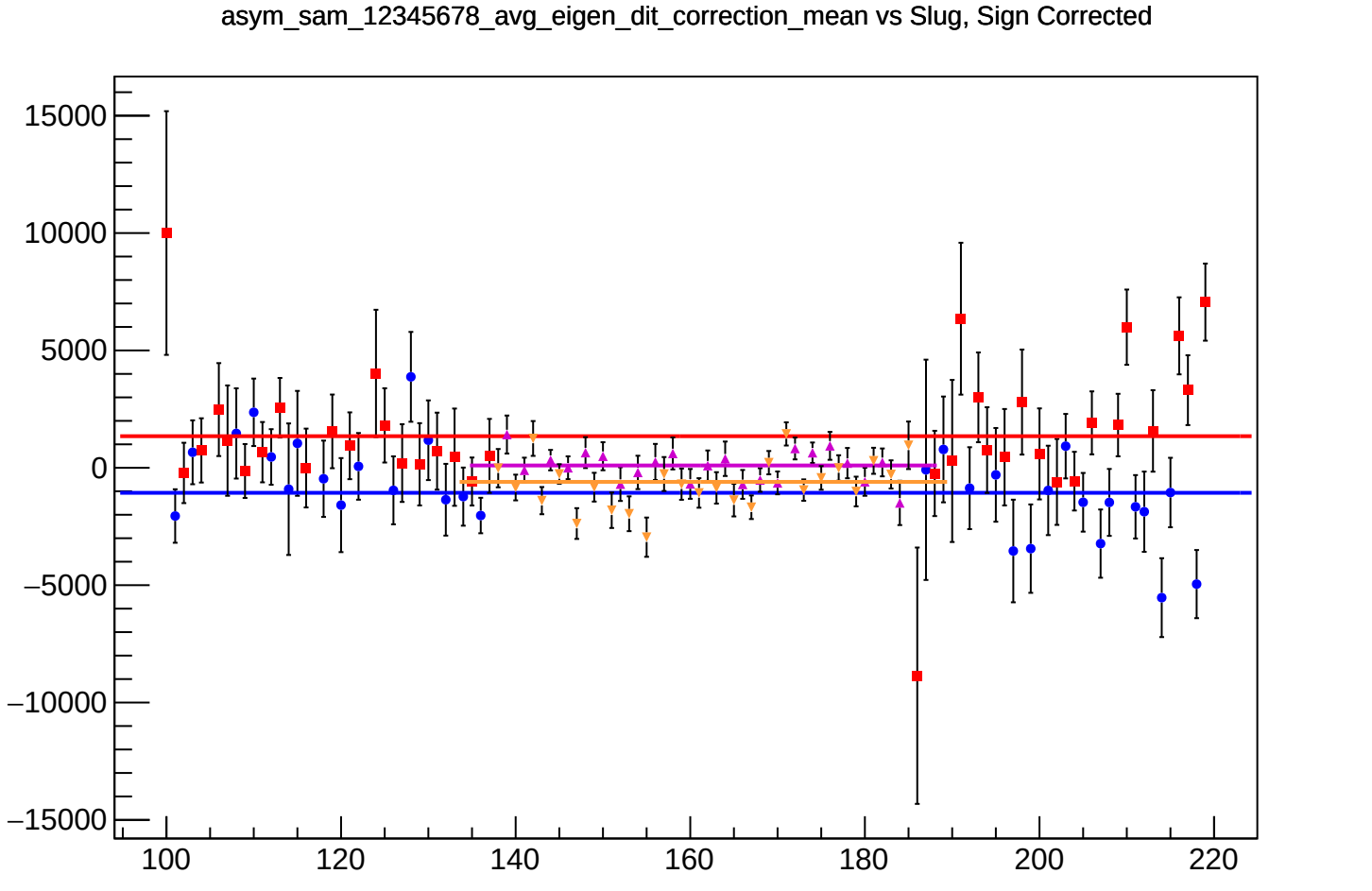
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 100.113+/-0.012 χ^2/NDF: 8805705.1/68

In: 84.026+/-0.010 χ^2/NDF:6360329.2/54

Out: 84.463+/-0.010 χ^2/NDF:8298959.6/61

All: 84.248+/-0.007 χ^2/NDF: 14660228.9/116



Right In: -1065.122+/-266.686 χ^2/NDF: 46.2/31

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

Right Out: 1346.663+/-269.080 χ^2/NDF: 55.8/36

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

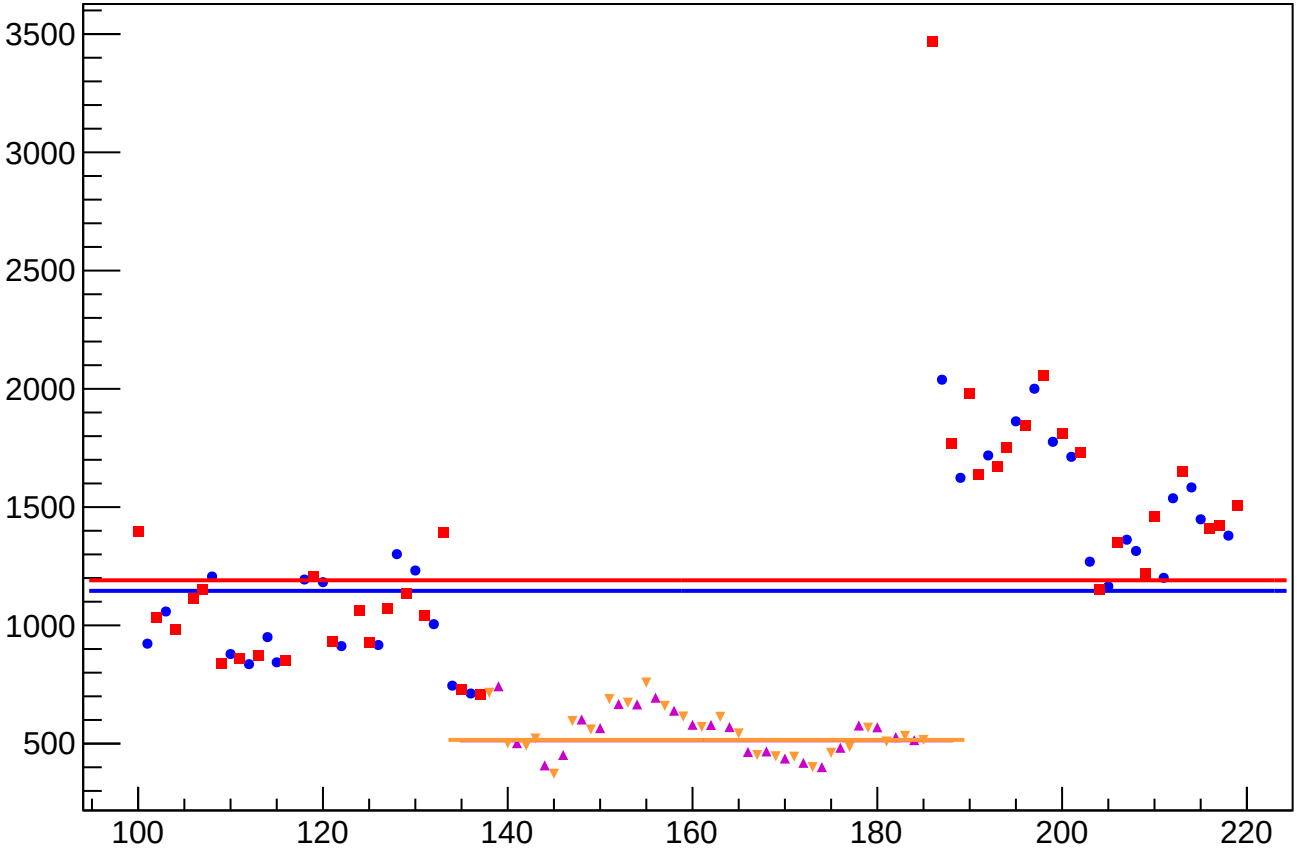
Right: 129.996+/-189.416 χ^2/NDF: 142.5/68

In: -103.225+/-111.175 χ^2/NDF:85.6/54

Out: -279.118+/-109.079 χ^2/NDF:164.5/61

All: -192.845+/-77.861 χ^2/NDF: 251.4/116

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1145.907+/-0.189 χ^2/NDF: 3161244.2/31

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1190.500+/-0.190 χ^2/NDF: 3658445.8/36

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

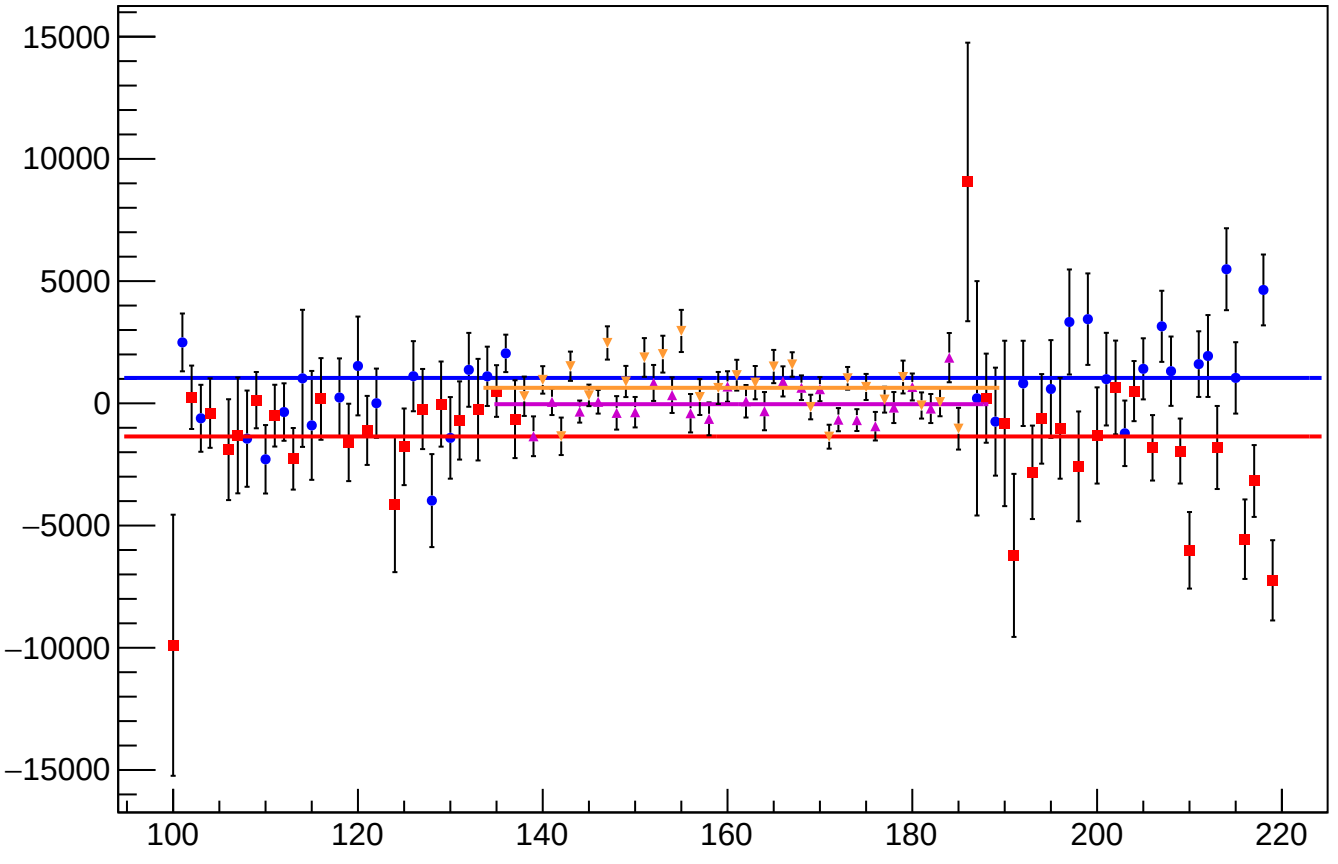
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1168.004+/-0.134 χ^2/NDF: 6847400.2/68

In: 623.889+/-0.079 χ^2/NDF:13552990.1/54

Out: 626.642+/-0.077 χ^2/NDF:15400221.0/61

All: 625.292+/-0.055 χ^2/NDF: 28953836.2/1



Right In: 1039.337+/-266.003 χ^2/NDF: 46.4/31

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -1355.377+/-269.672 χ^2/NDF: 55.0/36

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

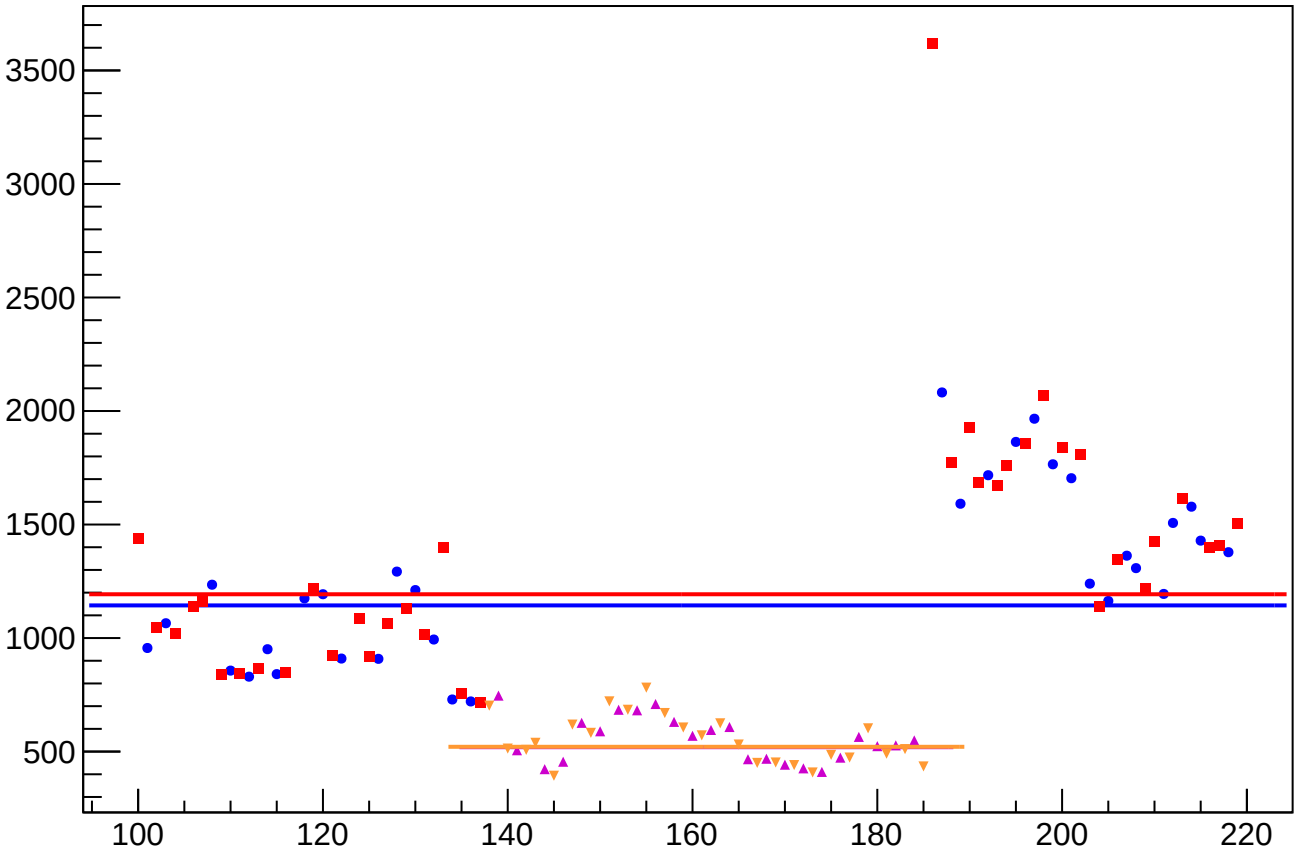
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -141.622+/-189.376 χ^2/NDF: 141.4/68

In: 155.715+/-112.029 χ^2/NDF:84.9/54

Out: 302.558+/-110.181 χ^2/NDF:164.9/61

All: 230.357+/-78.555 χ^2/NDF: 250.7/116



Right In: 1143.777+/-0.188 χ^2/NDF: 3089687.1/31

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 1192.887+/-0.191 χ^2/NDF: 3639304.2/36

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

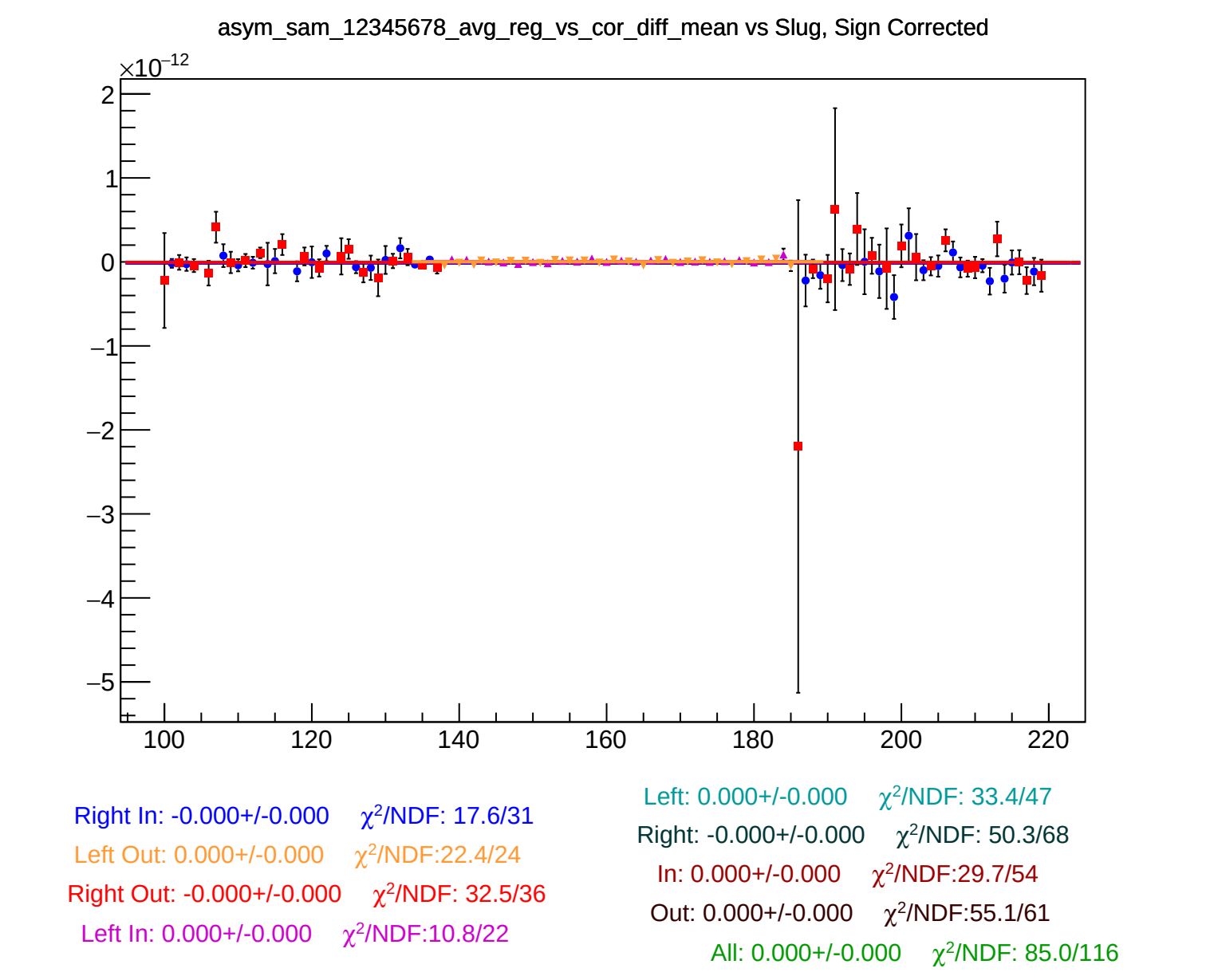
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

Right: 1167.995+/-0.134 χ^2/NDF: 6762609.2/68

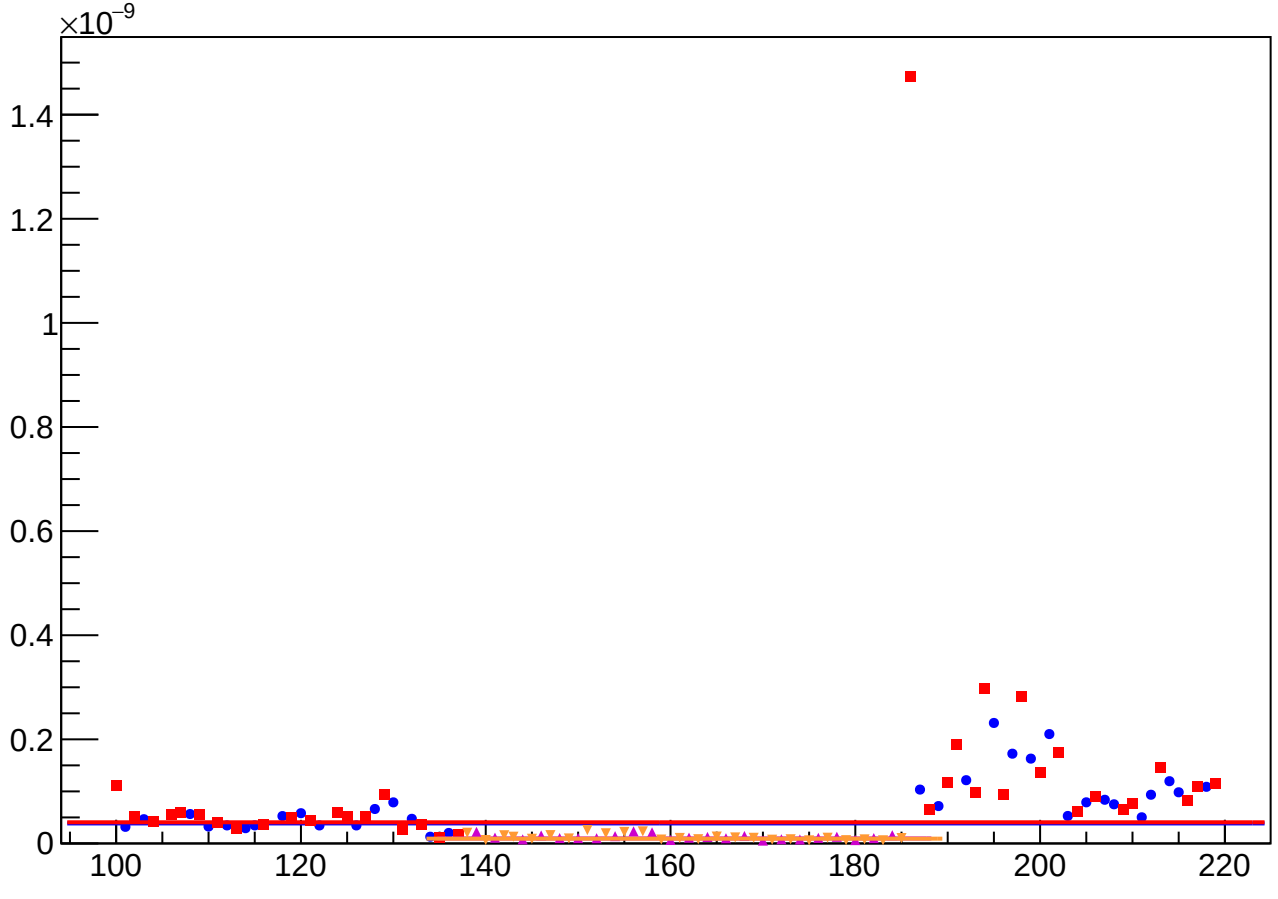
In: 630.015+/-0.079 χ^2/NDF:13259595.3/54

Out: 633.182+/-0.078 χ^2/NDF:15224167.4/61

All: 631.625+/-0.056 χ^2/NDF: 28484575.0/1


asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 17.6/31
Left Out: 0.000+/-0.000 χ²/NDF:22.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 32.5/36
Left In: 0.000+/-0.000 χ²/NDF:10.8/22
Left: 0.000+/-0.000 χ²/NDF: 33.4/47
Right: -0.000+/-0.000 χ²/NDF: 50.3/68
In: 0.000+/-0.000 χ²/NDF:29.7/54
Out: 0.000+/-0.000 χ²/NDF:55.1/61
All: 0.000+/-0.000 χ²/NDF: 85.0/116

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6350877.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7397019.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

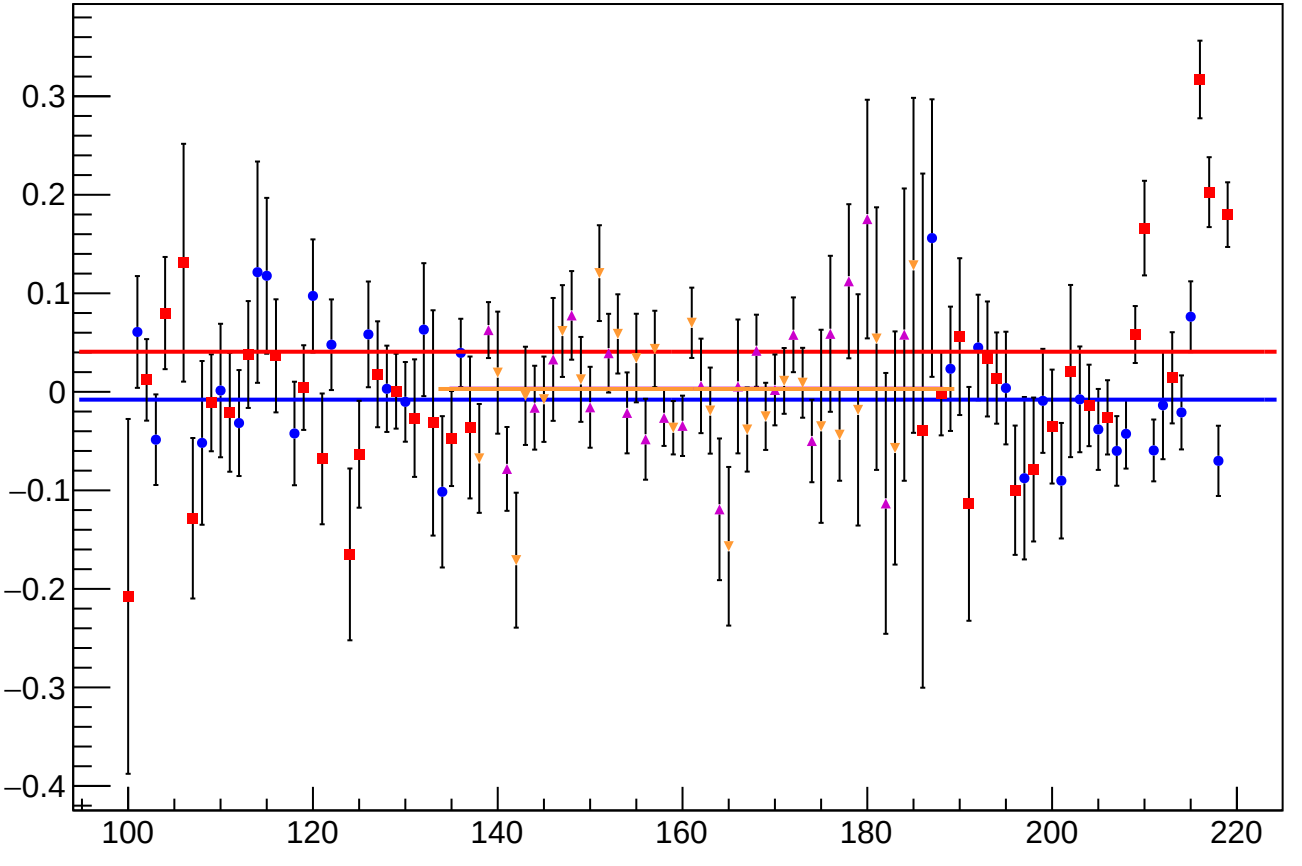
Right: 0.000+/-0.000 χ^2/NDF: 13765744.4/68

In: 0.000+/-0.000 χ^2/NDF:14047539.4/54

Out: 0.000+/-0.000 χ^2/NDF:15815160.3/61

All: 0.000+/-0.000 χ^2/NDF: 29890558.5/116

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.009 χ^2/NDF: 38.5/31

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.041+/-0.008 χ^2/NDF: 142.6/36

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

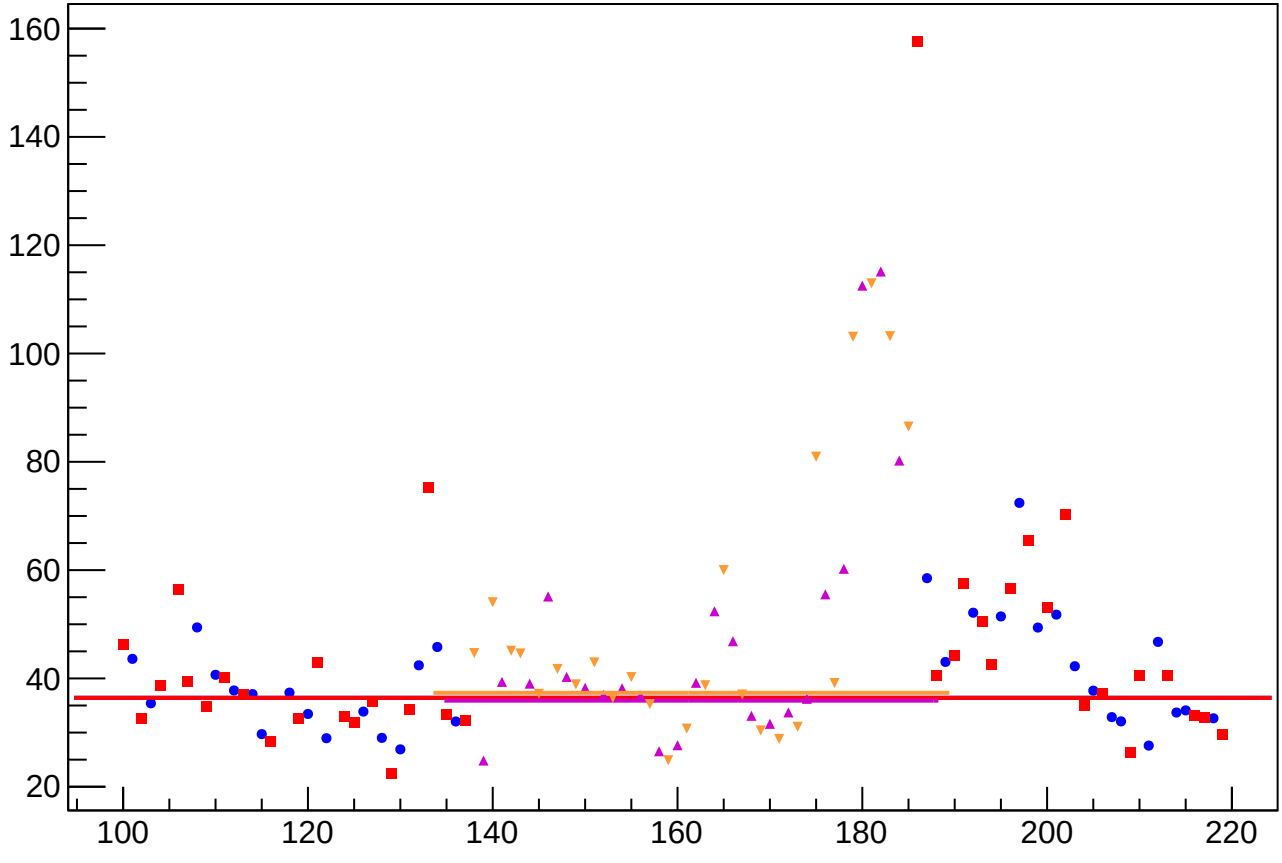
Right: 0.017+/-0.006 χ^2/NDF: 197.3/68

In: -0.003+/-0.006 χ^2/NDF:69.1/54

Out: 0.023+/-0.006 χ^2/NDF:184.6/61

All: 0.010+/-0.004 χ^2/NDF: 262.3/116

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.432+/-0.006 χ^2/NDF: 1782409.2/31

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 36.414+/-0.006 χ^2/NDF: 2761922.7/36

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

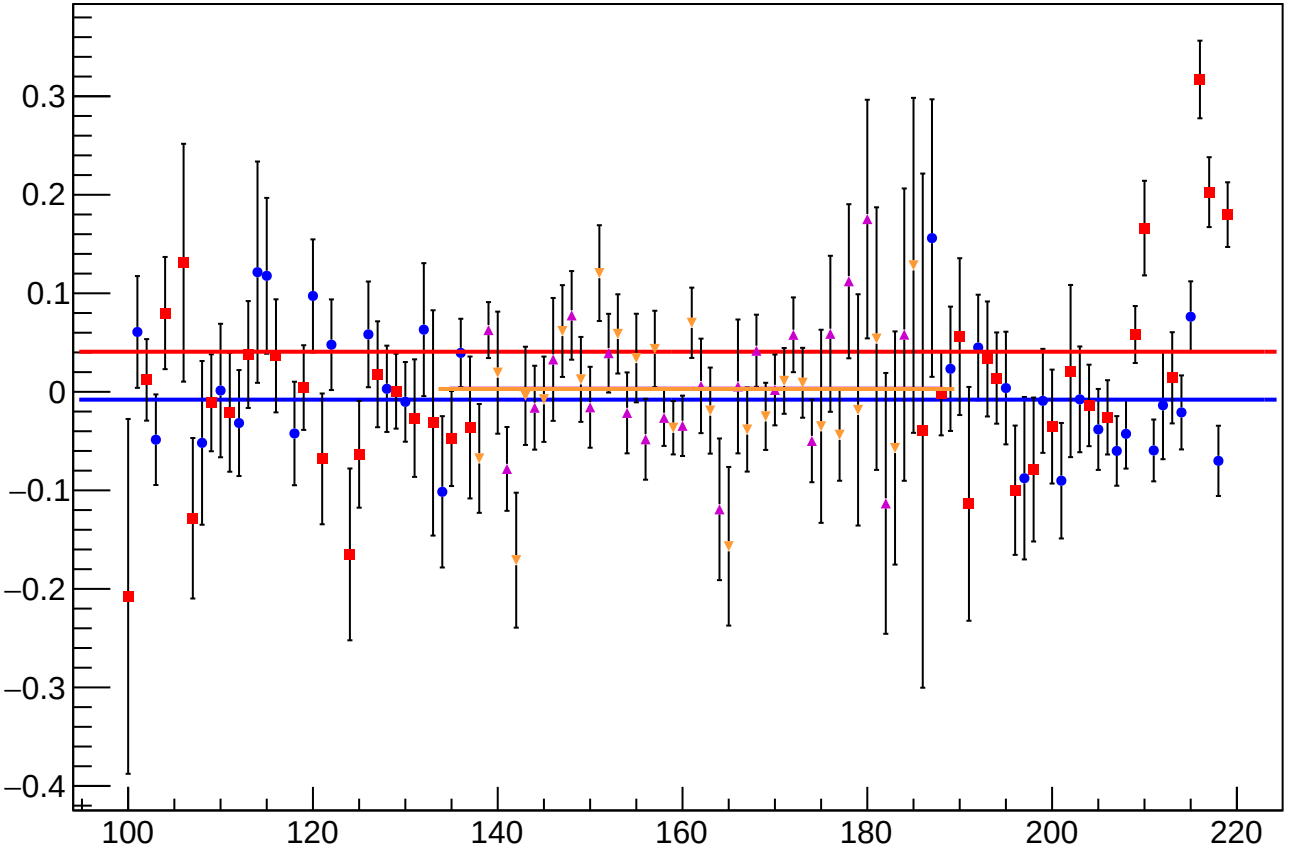
Right: 36.423+/-0.004 χ^2/NDF: 4544336.0/68

In: 36.180+/-0.004 χ^2/NDF:4924333.5/54

Out: 36.838+/-0.004 χ^2/NDF:6469529.7/61

All: 36.510+/-0.003 χ^2/NDF: 11404901.6/116

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.009 χ^2/NDF: 38.5/31

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.041+/-0.008 χ^2/NDF: 142.6/36

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

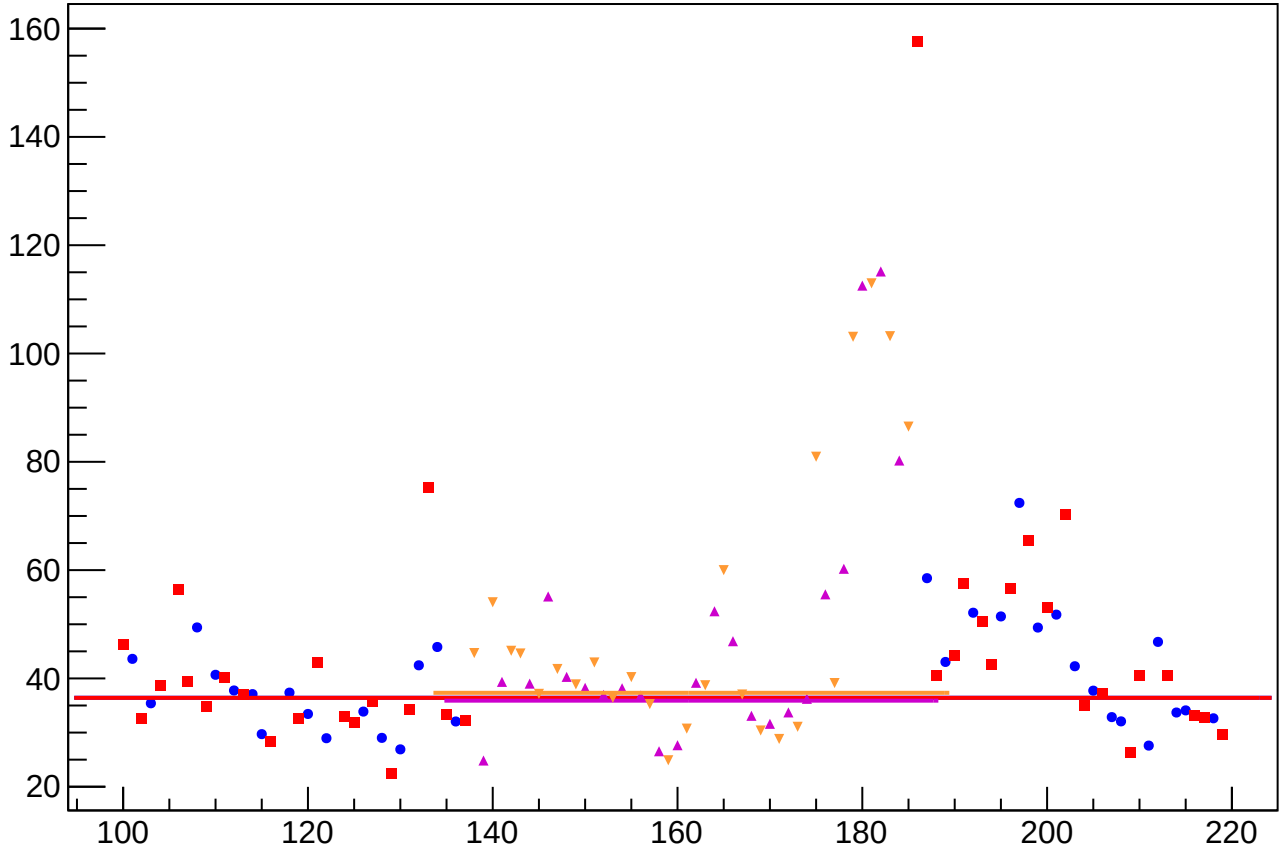
Right: 0.017+/-0.006 χ^2/NDF: 197.3/68

In: -0.003+/-0.006 χ^2/NDF:69.1/54

Out: 0.023+/-0.006 χ^2/NDF:184.6/61

All: 0.010+/-0.004 χ^2/NDF: 262.3/116

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.432+/-0.006 χ^2/NDF: 1782409.2/31

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 36.414+/-0.006 χ^2/NDF: 2761922.7/36

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

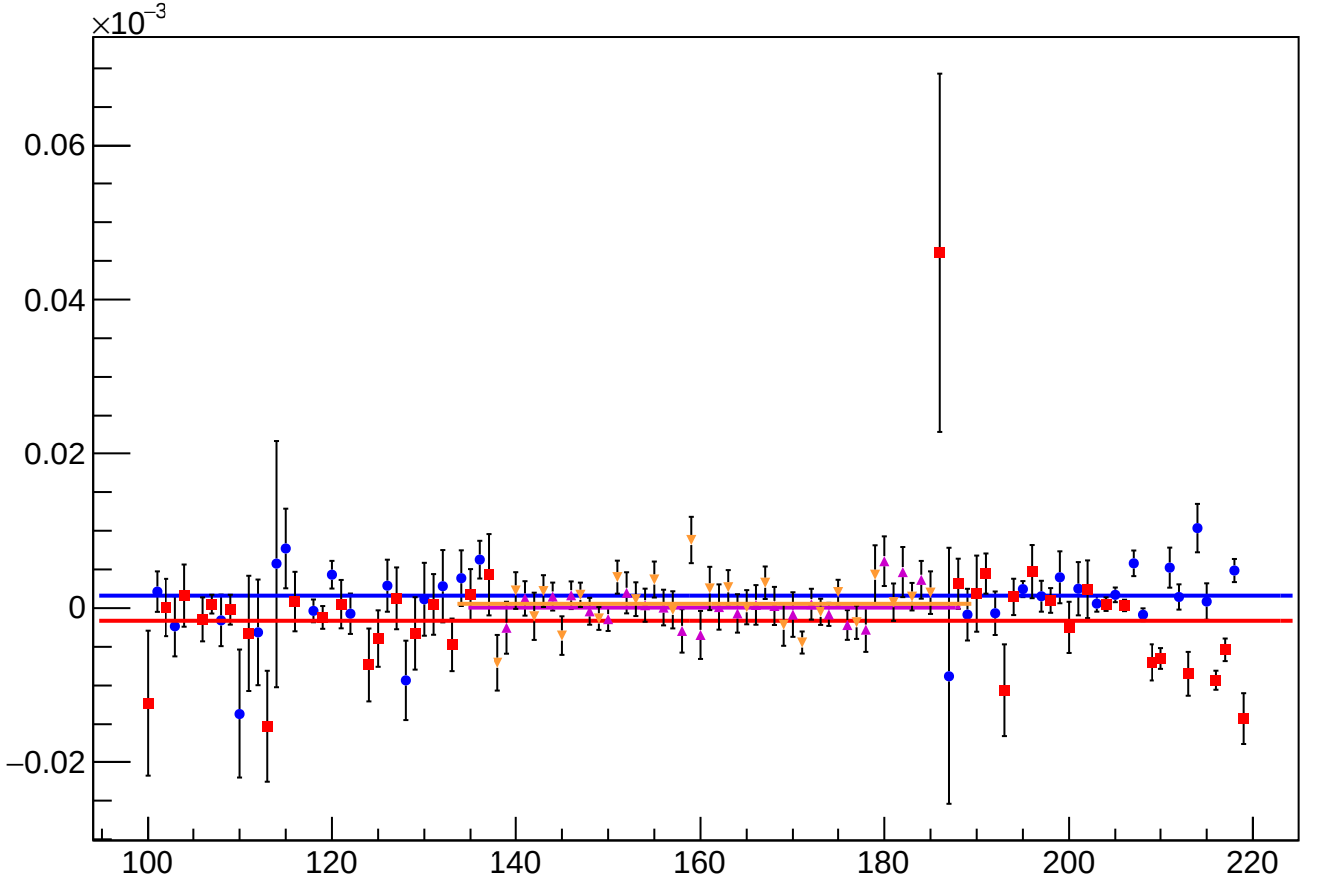
Right: 36.423+/-0.004 χ^2/NDF: 4544336.0/68

In: 36.180+/-0.004 χ^2/NDF:4924333.5/54

Out: 36.838+/-0.004 χ^2/NDF:6469529.7/61

All: 36.510+/-0.003 χ^2/NDF: 11404901.6/116

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 54.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 138.2/36

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

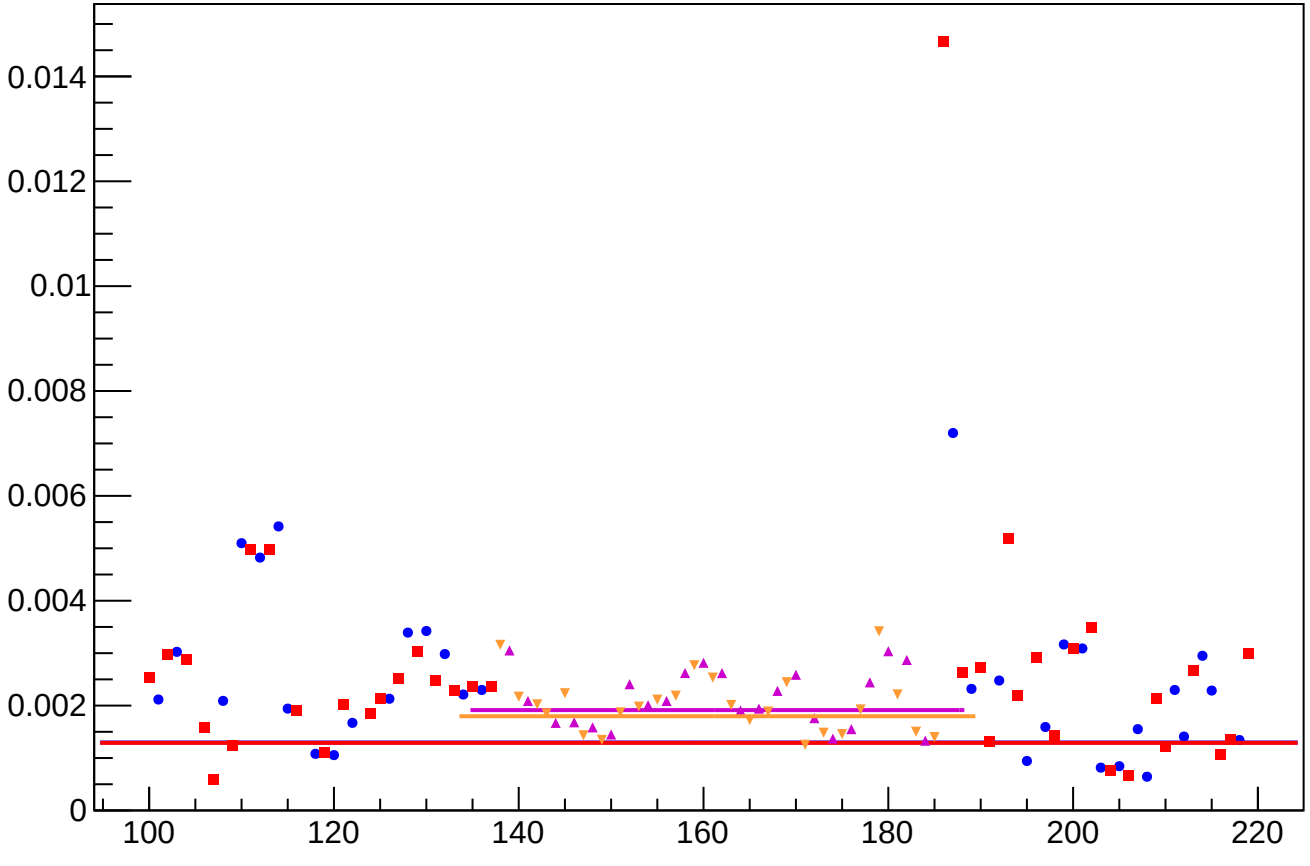
Right: -0.000+/-0.000 χ^2/NDF: 238.2/68

In: 0.000+/-0.000 χ^2/NDF:78.8/54

Out: -0.000+/-0.000 χ^2/NDF:198.0/61

All: 0.000+/-0.000 χ^2/NDF: 300.2/116

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9167219.2/31

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11494569.5/36

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

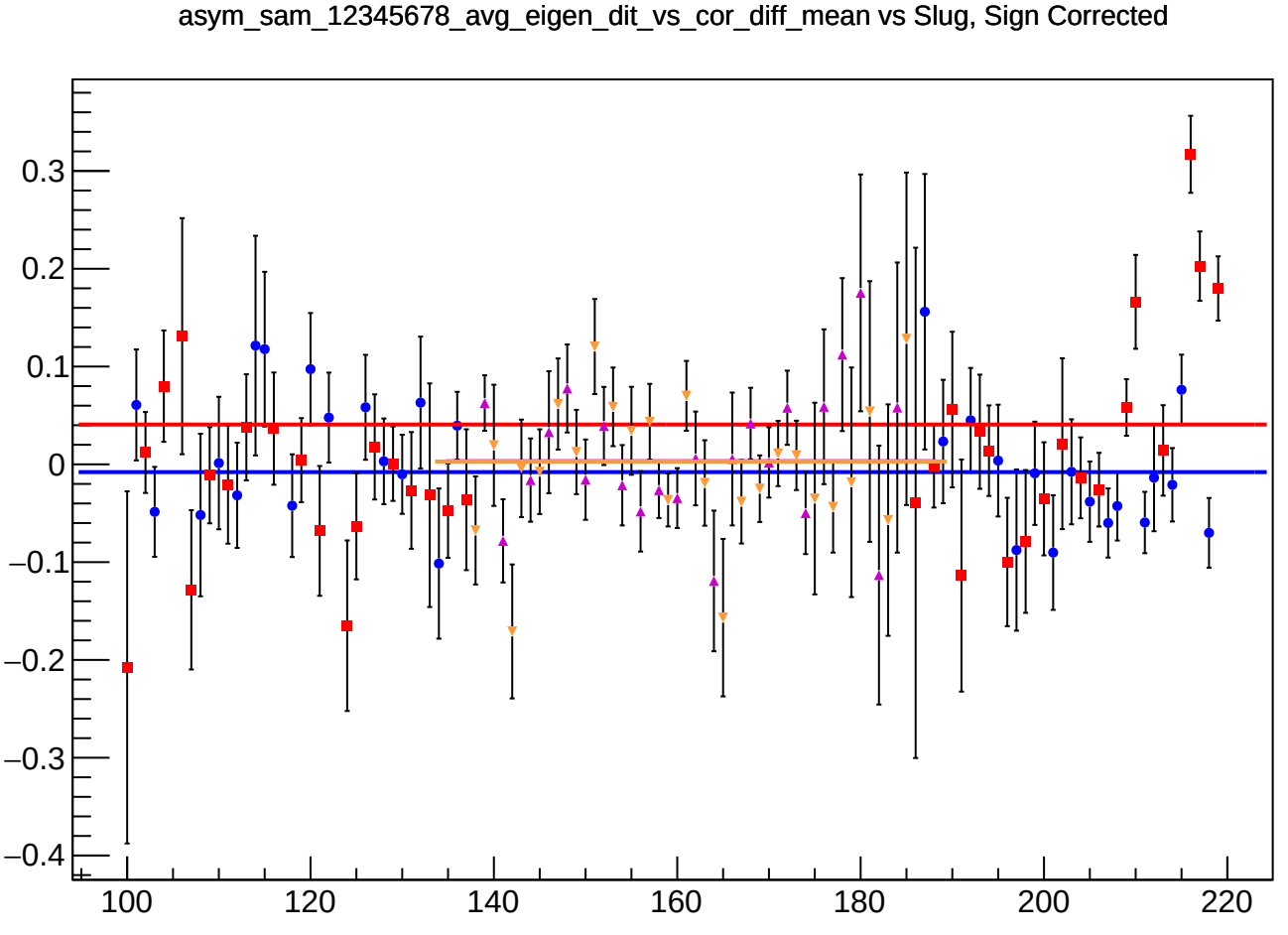
Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

Right: 0.001+/-0.000 χ^2/NDF: 20662139.9/68

In: 0.002+/-0.000 χ^2/NDF:13621030.3/54

Out: 0.001+/-0.000 χ^2/NDF:15523713.3/61

All: 0.001+/-0.000 χ^2/NDF: 29155110.1/116



Right In: -0.008+/-0.009 χ^2/NDF: 38.5/31

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.041+/-0.008 χ^2/NDF: 142.6/36

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

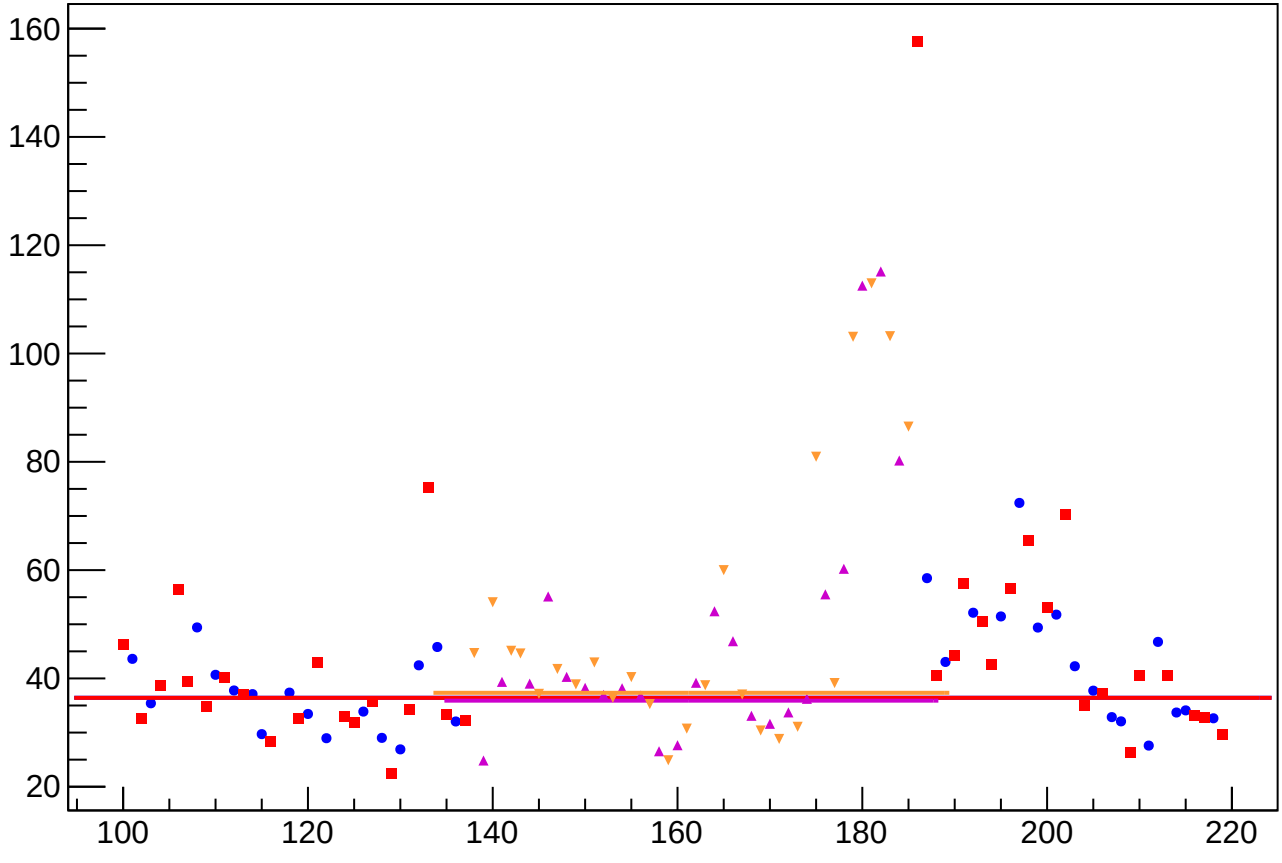
Right: 0.017+/-0.006 χ^2/NDF: 197.3/68

In: -0.003+/-0.006 χ^2/NDF:69.1/54

Out: 0.023+/-0.006 χ^2/NDF:184.5/61

All: 0.010+/-0.004 χ^2/NDF: 262.3/116

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.431+/-0.006 χ^2/NDF: 1782445.3/31

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 36.414+/-0.006 χ^2/NDF: 2762002.7/36

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

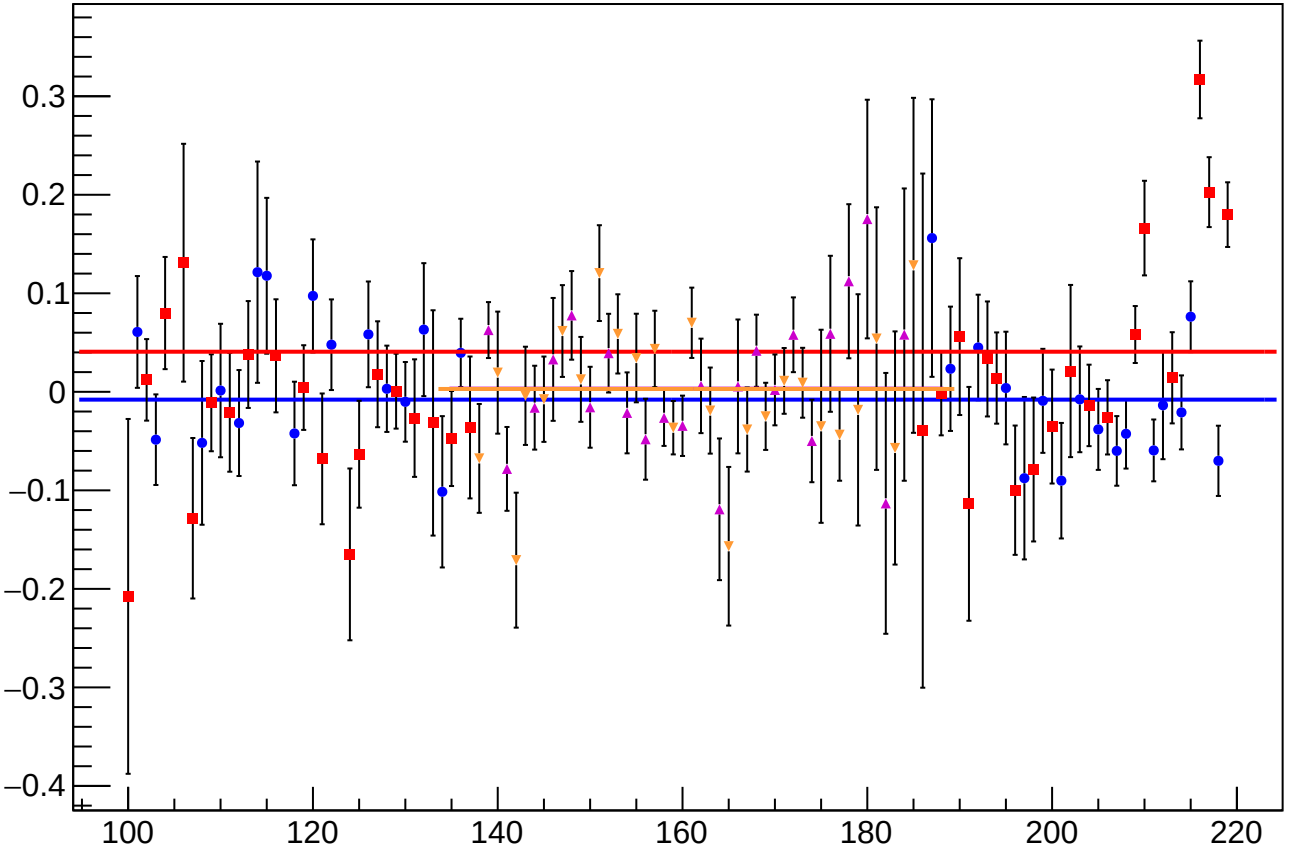
Right: 36.423+/-0.004 χ^2/NDF: 4544452.2/68

In: 36.180+/-0.004 χ^2/NDF:4924376.3/54

Out: 36.838+/-0.004 χ^2/NDF:6469672.7/61

All: 36.510+/-0.003 χ^2/NDF: 11405085.8/116

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.009 χ^2/NDF: 38.5/31

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.041+/-0.008 χ^2/NDF: 142.6/36

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

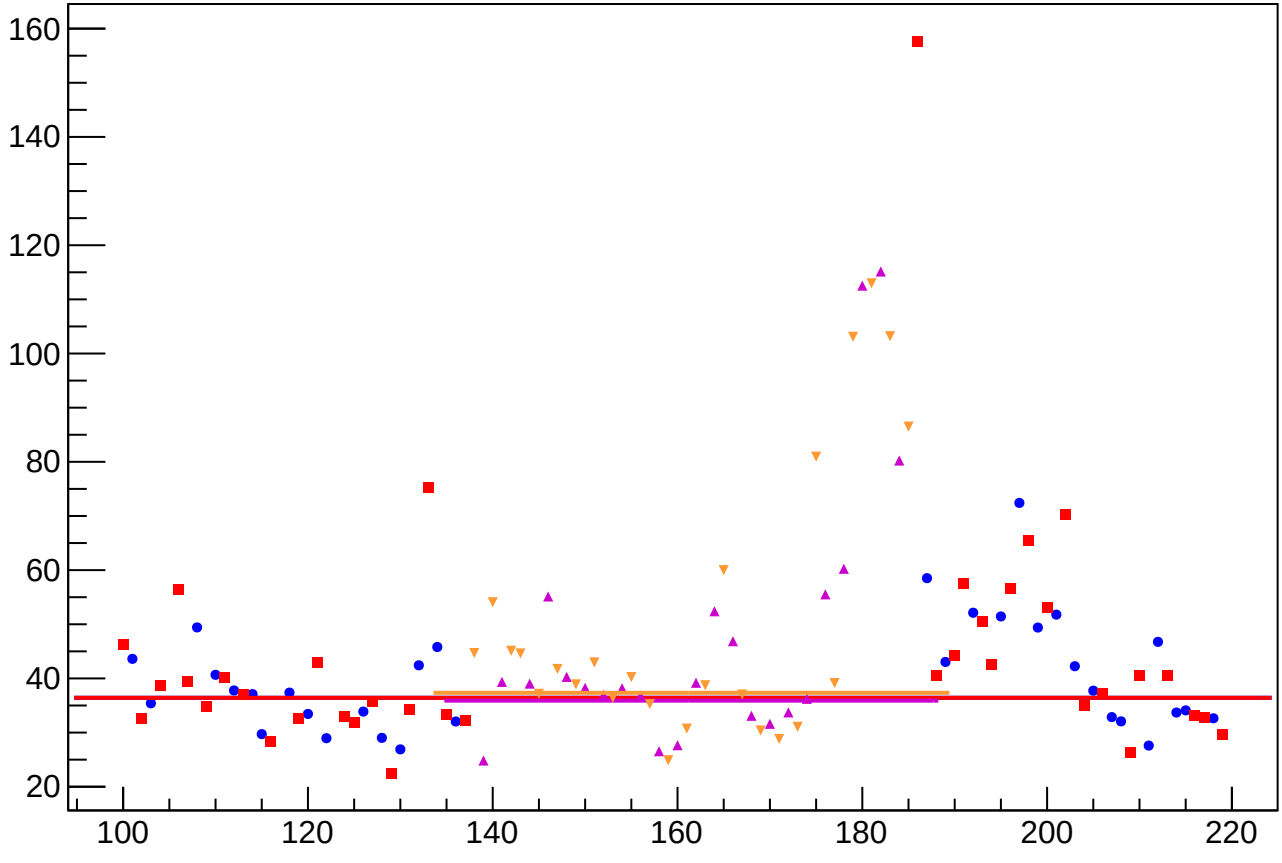
Right: 0.017+/-0.006 χ^2/NDF: 197.3/68

In: -0.003+/-0.006 χ^2/NDF:69.1/54

Out: 0.023+/-0.006 χ^2/NDF:184.5/61

All: 0.010+/-0.004 χ^2/NDF: 262.3/116

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.431+/-0.006 χ^2/NDF: 1782445.3/31

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 36.414+/-0.006 χ^2/NDF: 2762002.7/36

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

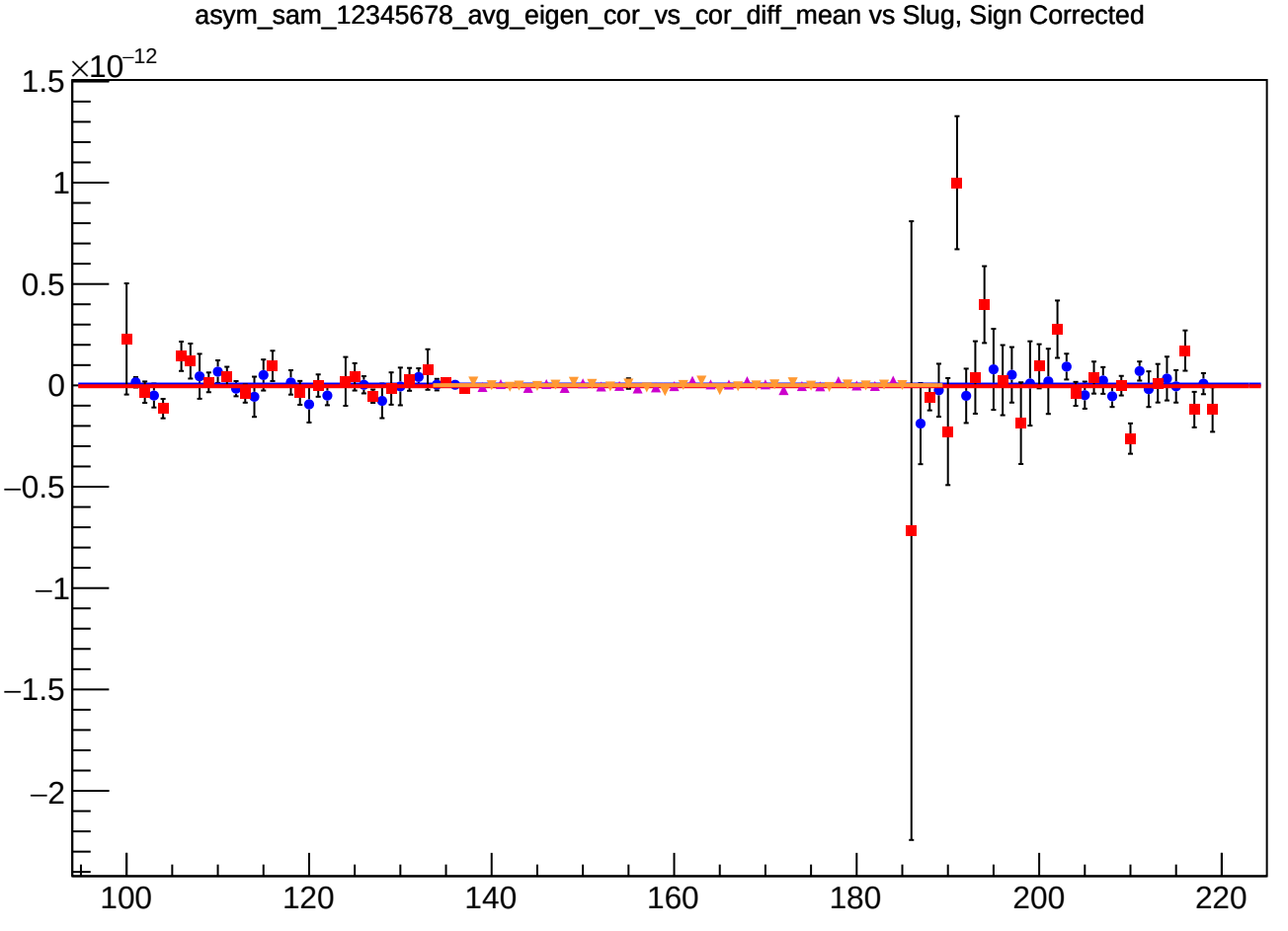
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 36.423+/-0.004 χ^2/NDF: 4544452.2/68

In: 36.180+/-0.004 χ^2/NDF:4924376.3/54

Out: 36.838+/-0.004 χ^2/NDF:6469672.7/61

All: 36.510+/-0.003 χ^2/NDF: 11405085.8/116



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 61.4/36

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

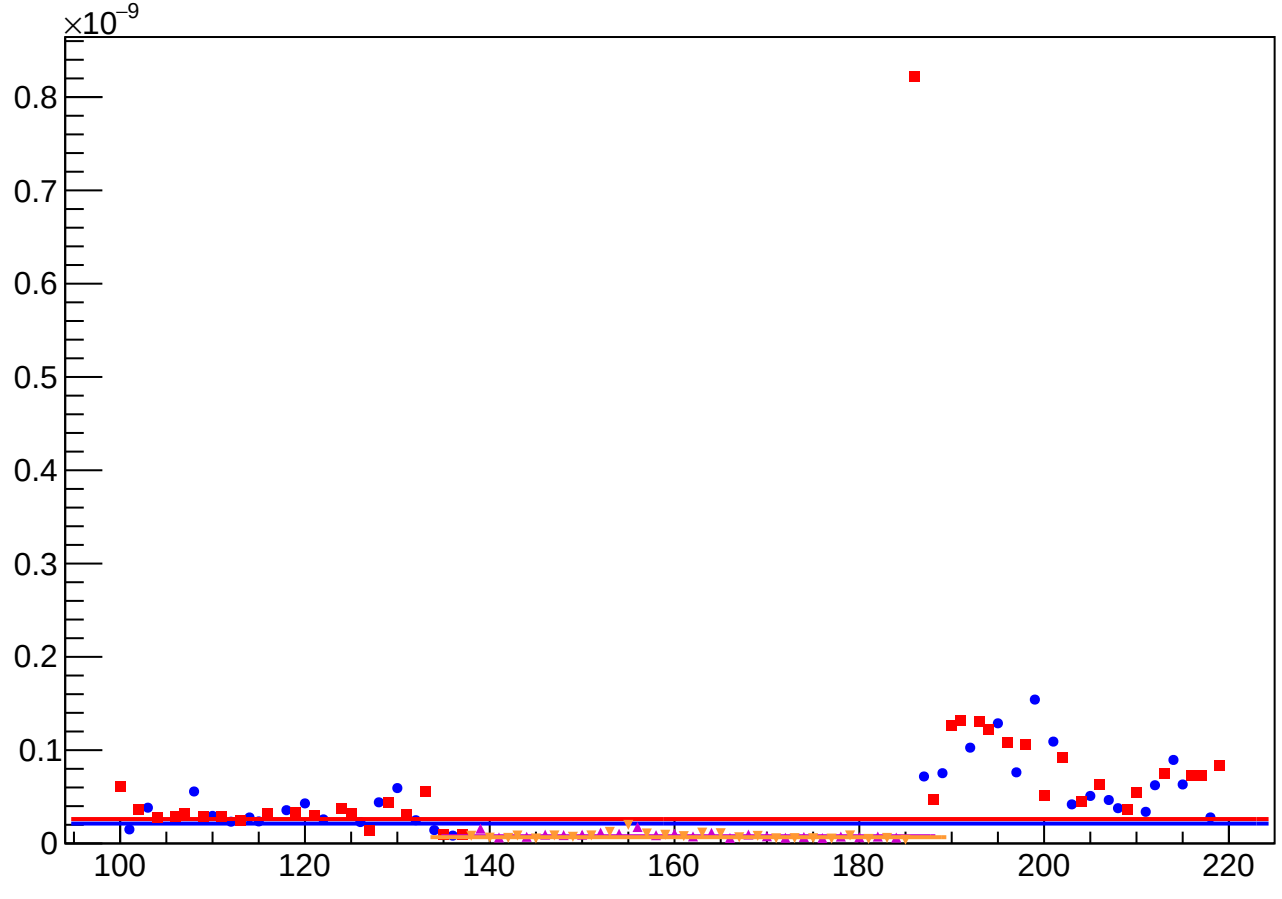
Right: 0.000+/-0.000 χ^2/NDF: 77.0/68

In: 0.000+/-0.000 χ^2/NDF:44.5/54

Out: 0.000+/-0.000 χ^2/NDF:83.1/61

All: 0.000+/-0.000 χ^2/NDF: 127.6/116

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10144153.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10223326.8/36

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

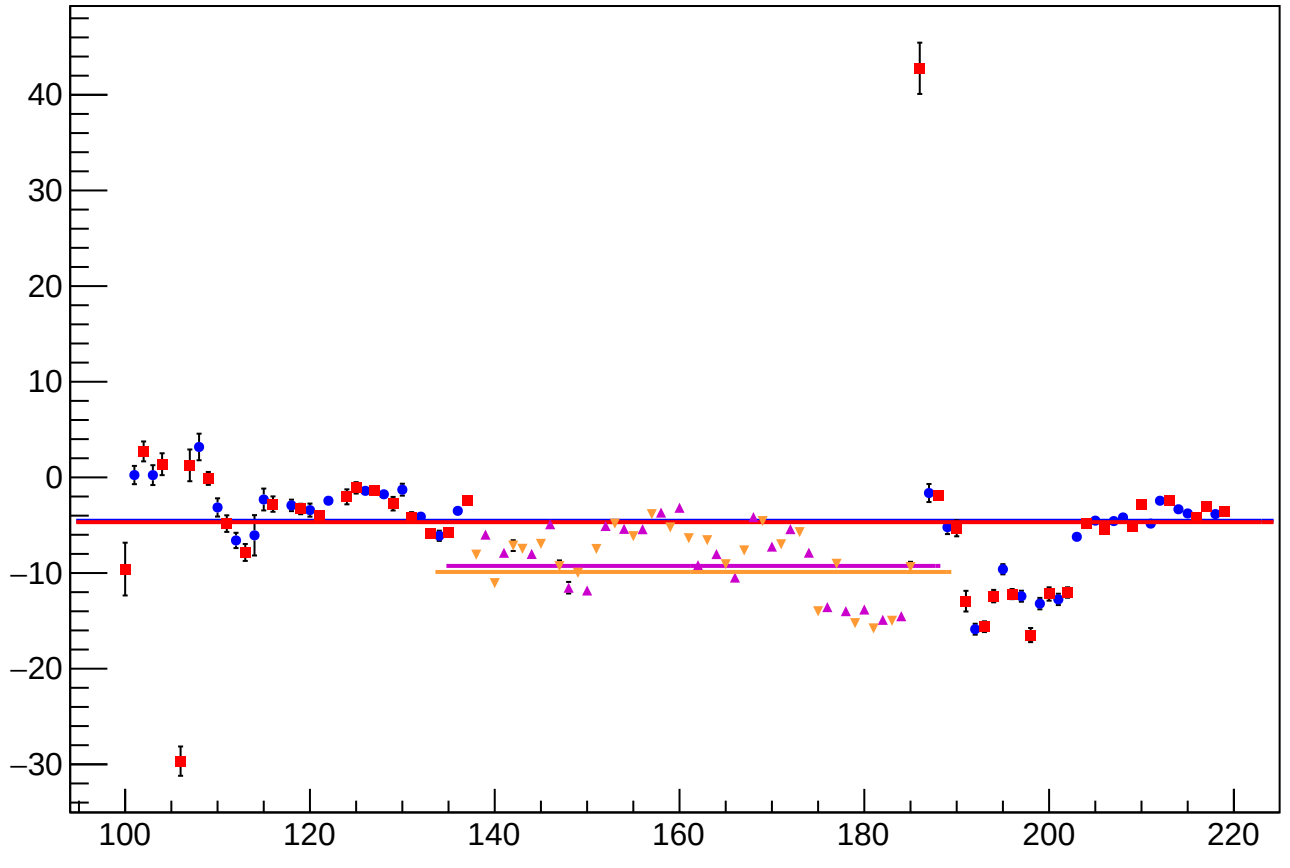
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 20681032.5/68

In: 0.000+/-0.000 χ^2/NDF:17047570.3/54

Out: 0.000+/-0.000 χ^2/NDF:20815152.3/61

All: 0.000+/-0.000 χ^2/NDF: 38201224.6/116



Right In: -4.535+/-0.080 χ^2/NDF: 1406.8/31

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -4.680+/-0.079 χ^2/NDF: 2446.4/36

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

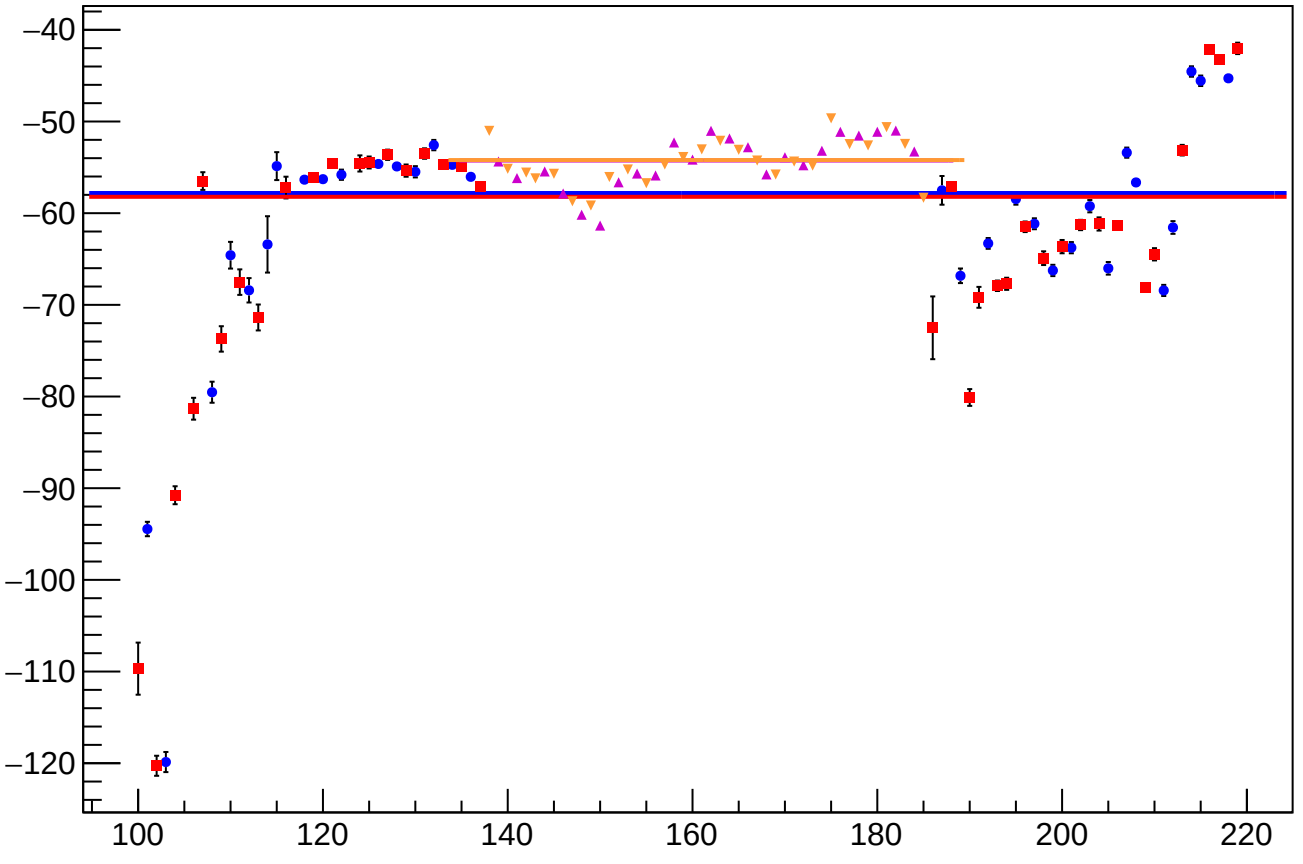
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -4.608+/-0.056 χ^2/NDF: 3854.8/68

In: -7.155+/-0.053 χ^2/NDF:6406.3/54

Out: -7.624+/-0.052 χ^2/NDF:8089.5/61

All: -7.394+/-0.037 χ^2/NDF: 14535.2/116



Right In: -57.801+/-0.102 χ^2/NDF: 8990.7/31

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -58.213+/-0.101 χ^2/NDF: 10177.8/36

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

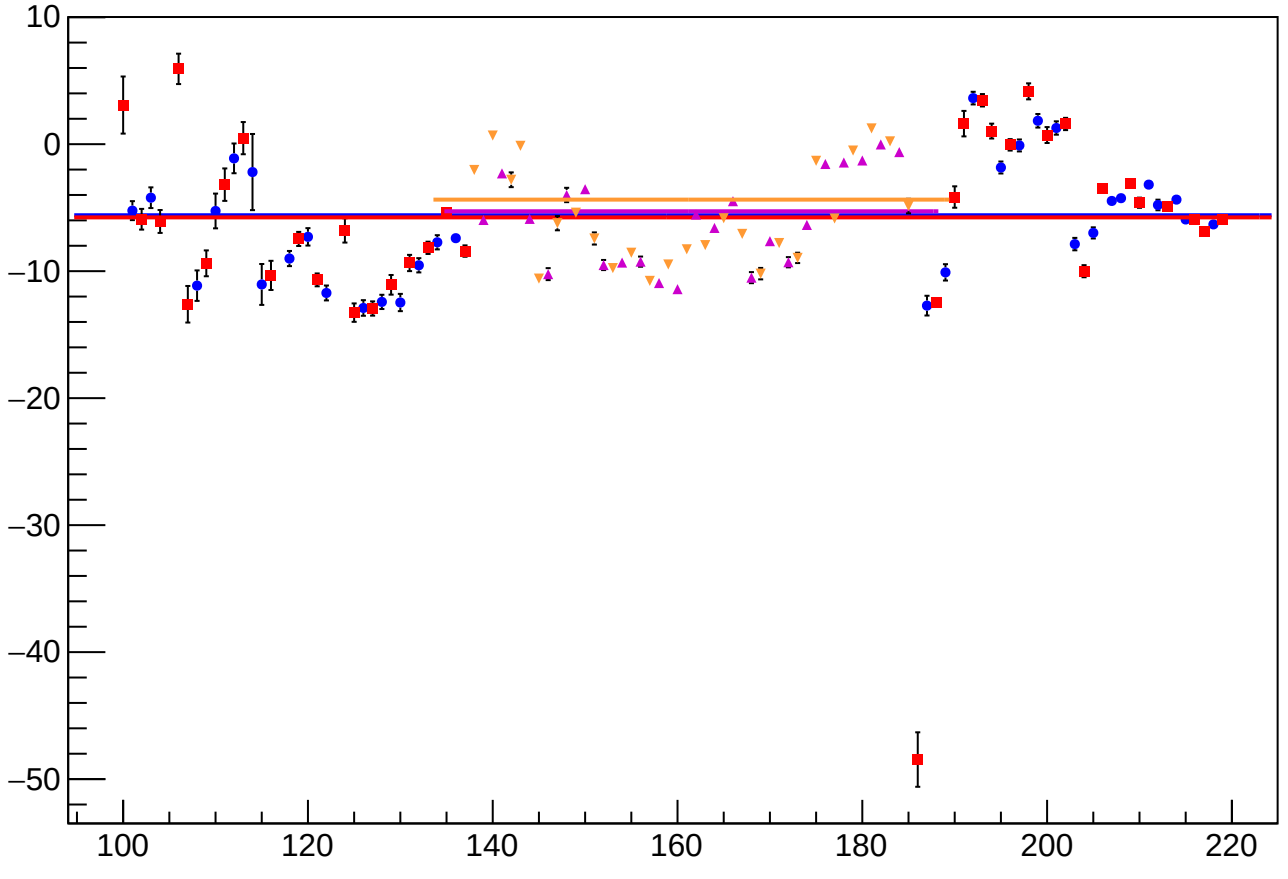
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -58.008+/-0.072 χ^2/NDF: 19176.7/68

In: -55.135+/-0.051 χ^2/NDF:12395.4/54

Out: -55.142+/-0.049 χ^2/NDF:13237.9/61

All: -55.138+/-0.035 χ^2/NDF: 25633.3/116



Right In: -5.597+/-0.082 χ^2/NDF: 1899.1/31

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -5.765+/-0.082 χ^2/NDF: 3287.8/36

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

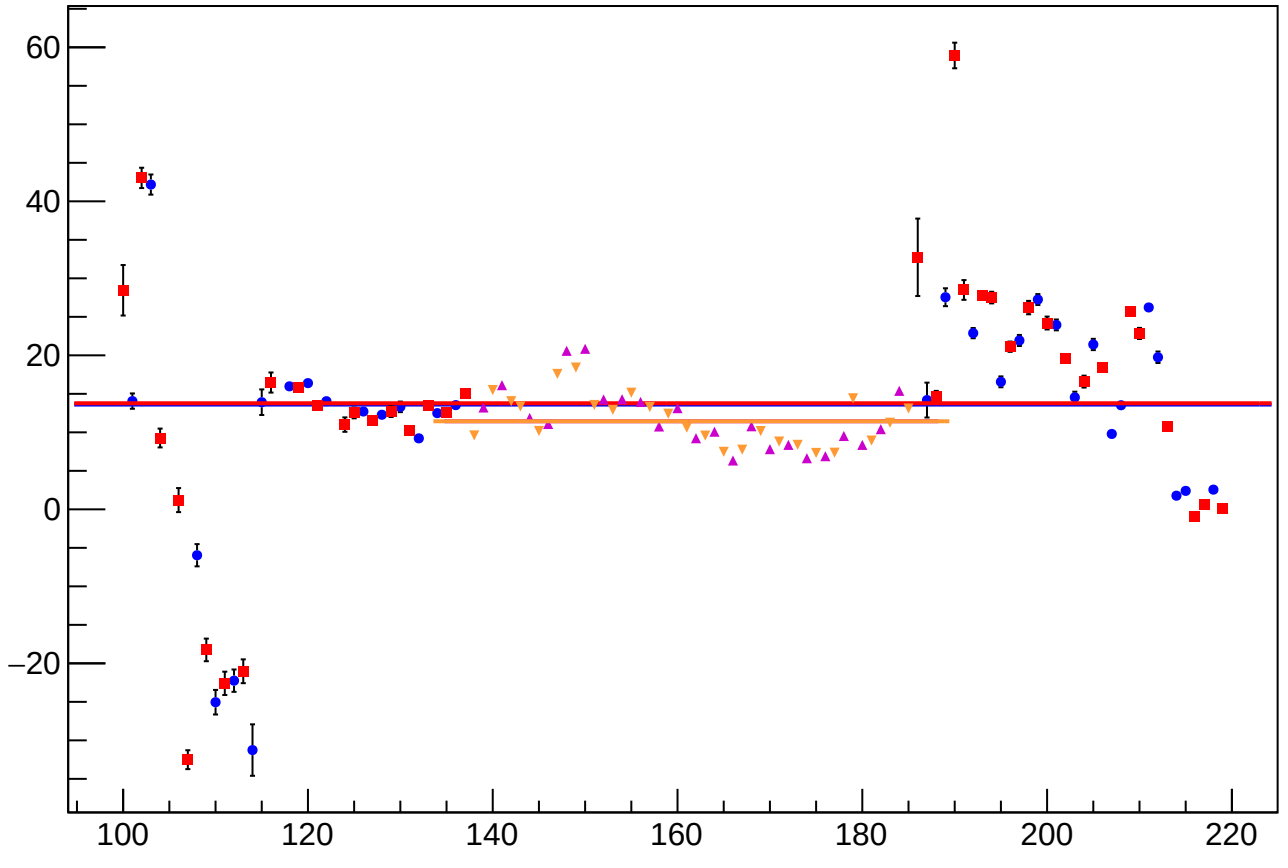
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -5.682+/-0.058 χ^2/NDF: 5189.1/68

In: -5.417+/-0.054 χ^2/NDF:4657.6/54

Out: -4.952+/-0.053 χ^2/NDF:7160.3/61

All: -5.180+/-0.038 χ^2/NDF: 11855.8/116



Right In: 13.607+/-0.112 χ^2/NDF: 5124.2/31

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 13.776+/-0.113 χ^2/NDF: 8384.2/36

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

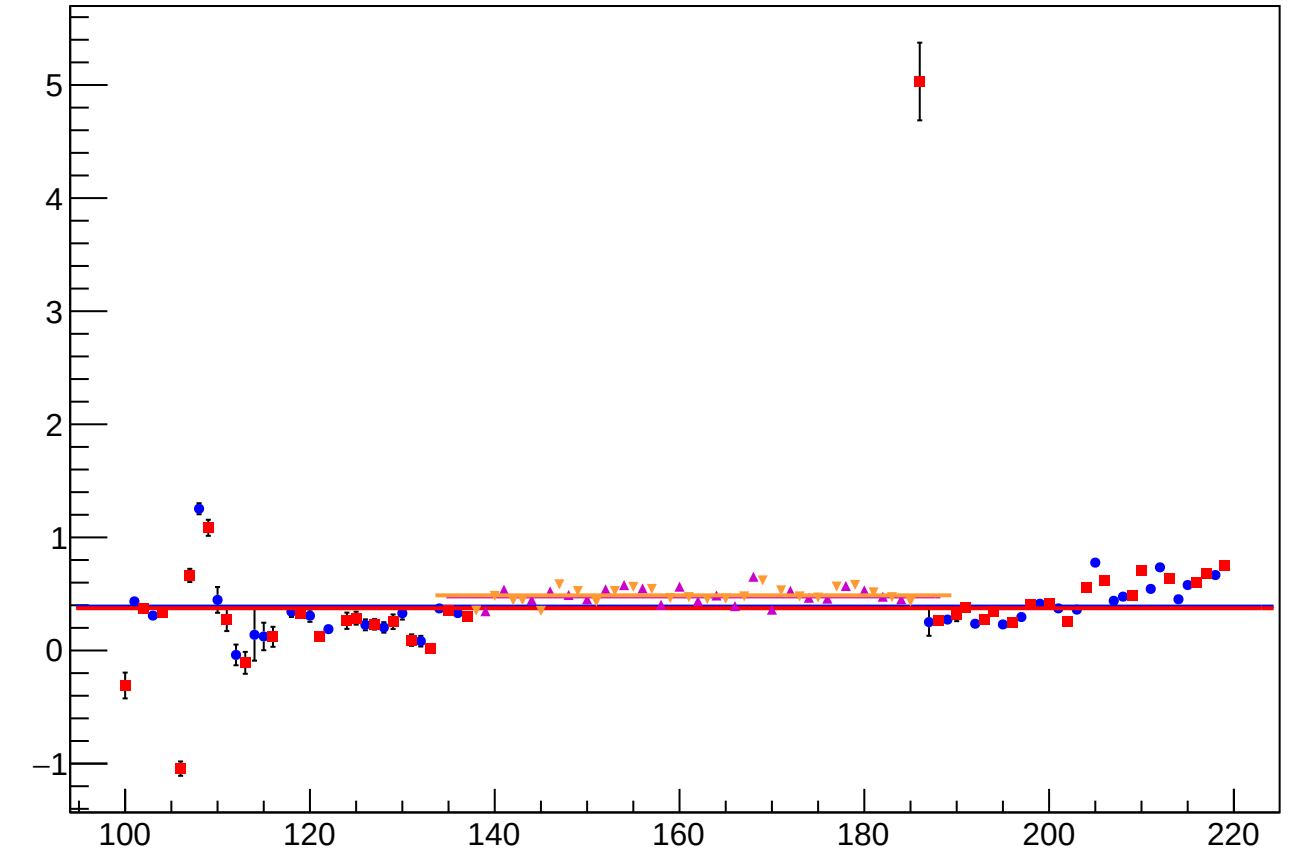
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

Right: 13.691+/-0.080 χ^2/NDF: 13509.5/68

In: 11.974+/-0.056 χ^2/NDF:8762.6/54

Out: 11.976+/-0.054 χ^2/NDF:11147.2/61

All: 11.975+/-0.039 χ^2/NDF: 19909.8/116



Right In: 0.388+/-0.005 χ^2/NDF: 1041.8/31

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.374+/-0.005 χ^2/NDF: 1785.4/36

Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

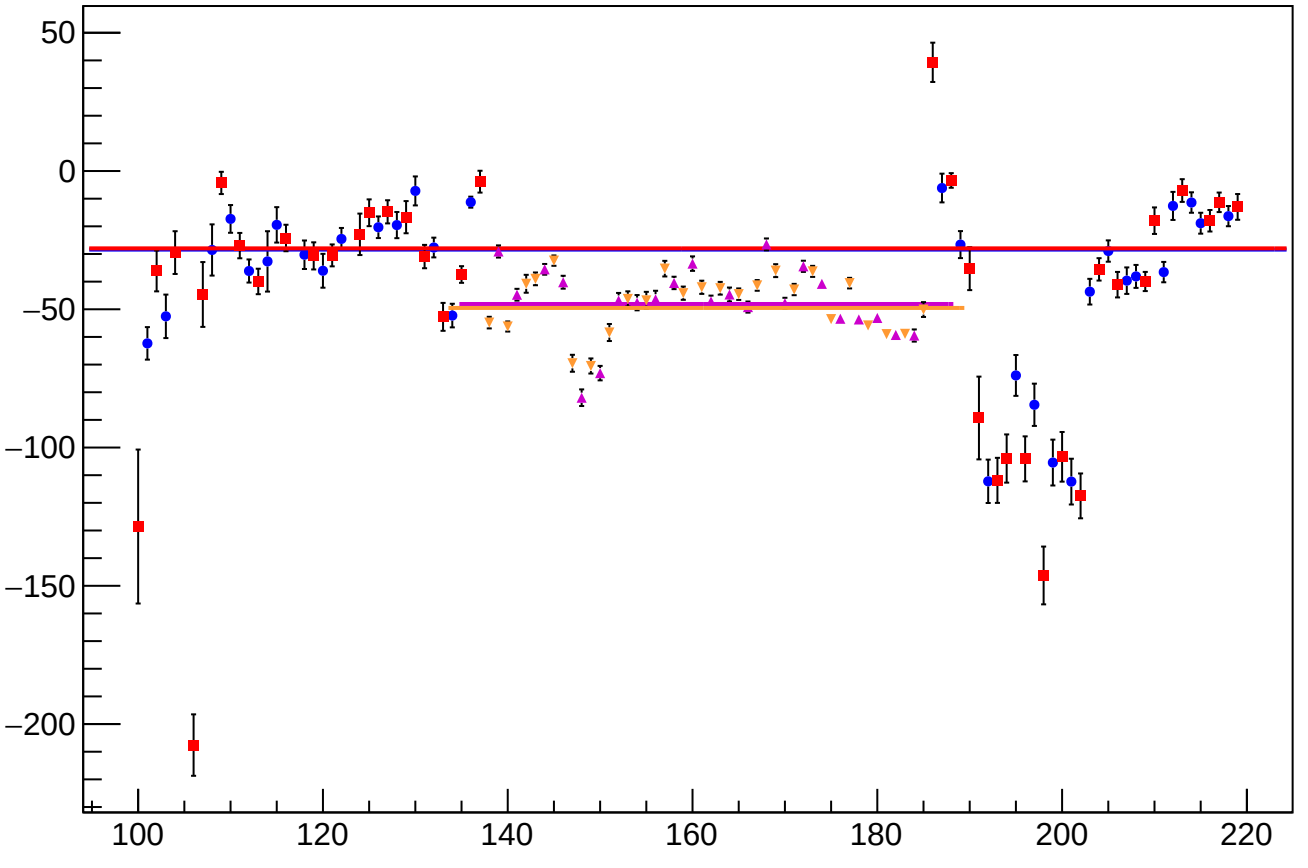
Left: 0.483+/-0.002 χ^2/NDF: 1343.4/47

Right: 0.381+/-0.004 χ^2/NDF: 2831.3/68

In: 0.457+/-0.002 χ^2/NDF:2087.9/54

Out: 0.463+/-0.002 χ^2/NDF:2710.8/61

All: 0.460+/-0.002 χ^2/NDF: 4800.9/116



Right In: -28.413+/-0.802 χ^2/NDF: 674.2/31

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -27.971+/-0.810 χ^2/NDF: 1290.0/36

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

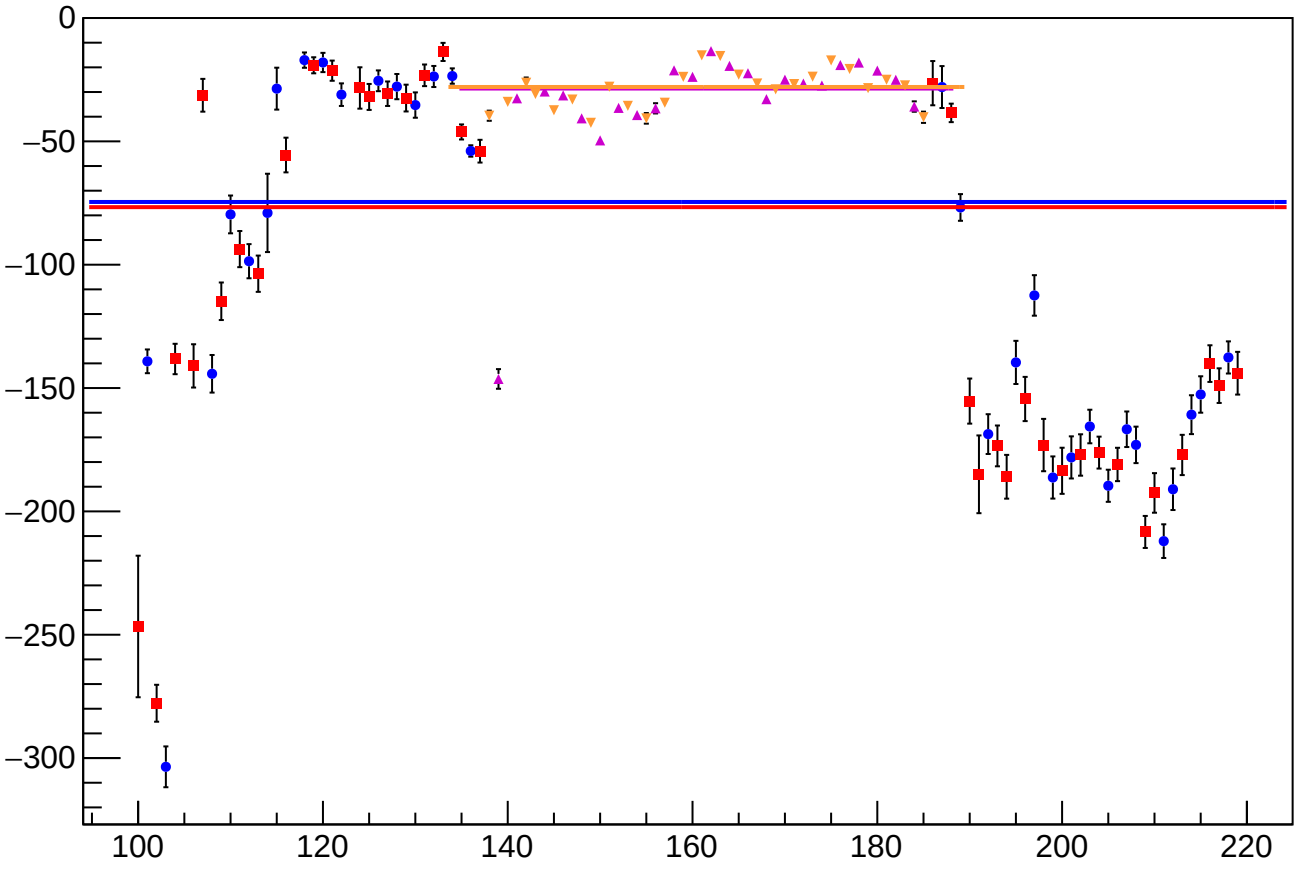
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -28.194+/-0.570 χ^2/NDF: 1964.4/68

In: -43.880+/-0.371 χ^2/NDF:1852.9/54

Out: -45.252+/-0.360 χ^2/NDF:2433.8/61

All: -44.586+/-0.259 χ^2/NDF: 4293.7/116



Right In: -74.573+/-0.945 χ^2/NDF: 4797.5/31

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -76.674+/-0.980 χ^2/NDF: 4792.1/36

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

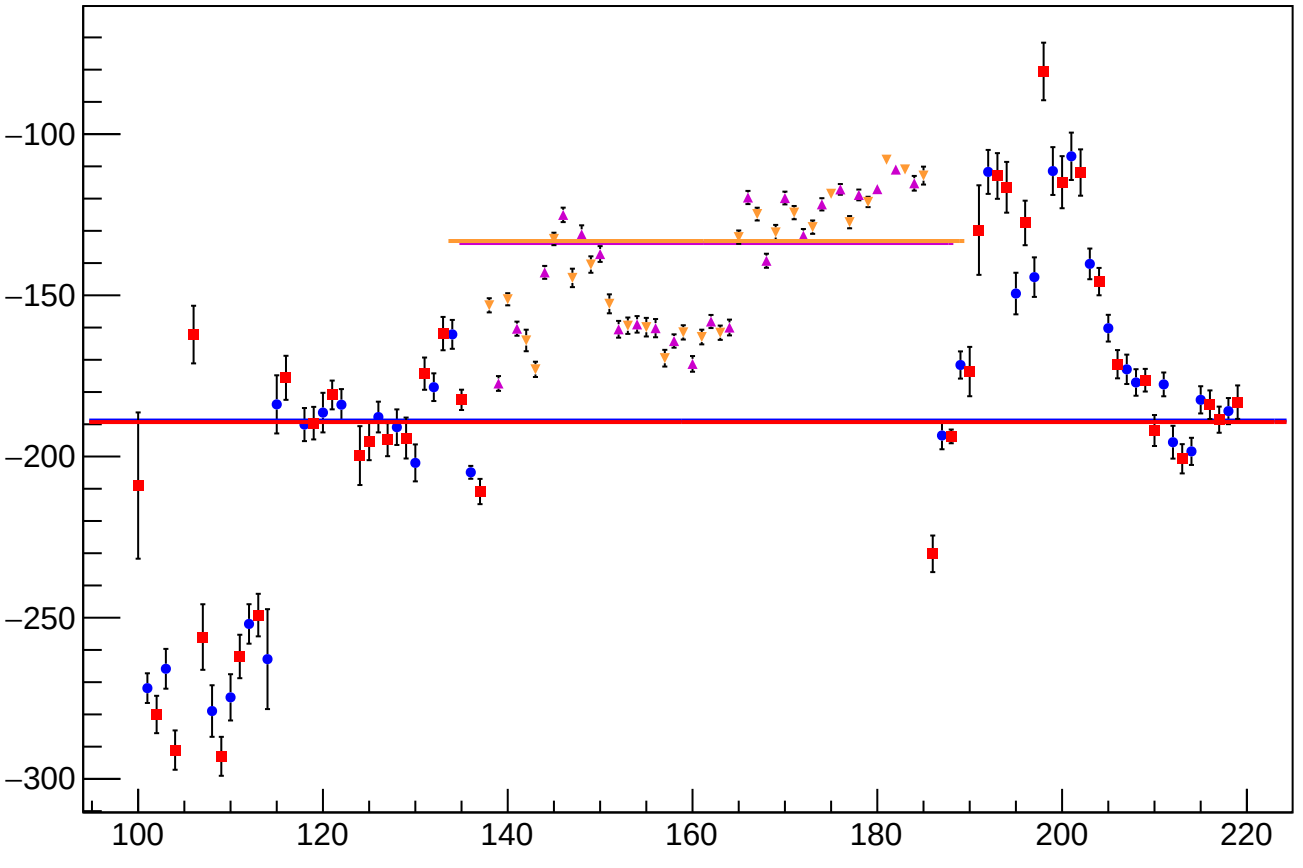
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -75.585+/-0.680 χ^2/NDF: 9591.9/68

In: -33.689+/-0.315 χ^2/NDF:8383.9/54

Out: -32.680+/-0.305 χ^2/NDF:7521.0/61

All: -33.169+/-0.219 χ^2/NDF: 15910.2/116



Right In: -188.847+/-0.835 χ^2/NDF: 1653.3/31

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -189.315+/-0.840 χ^2/NDF: 2008.2/36

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

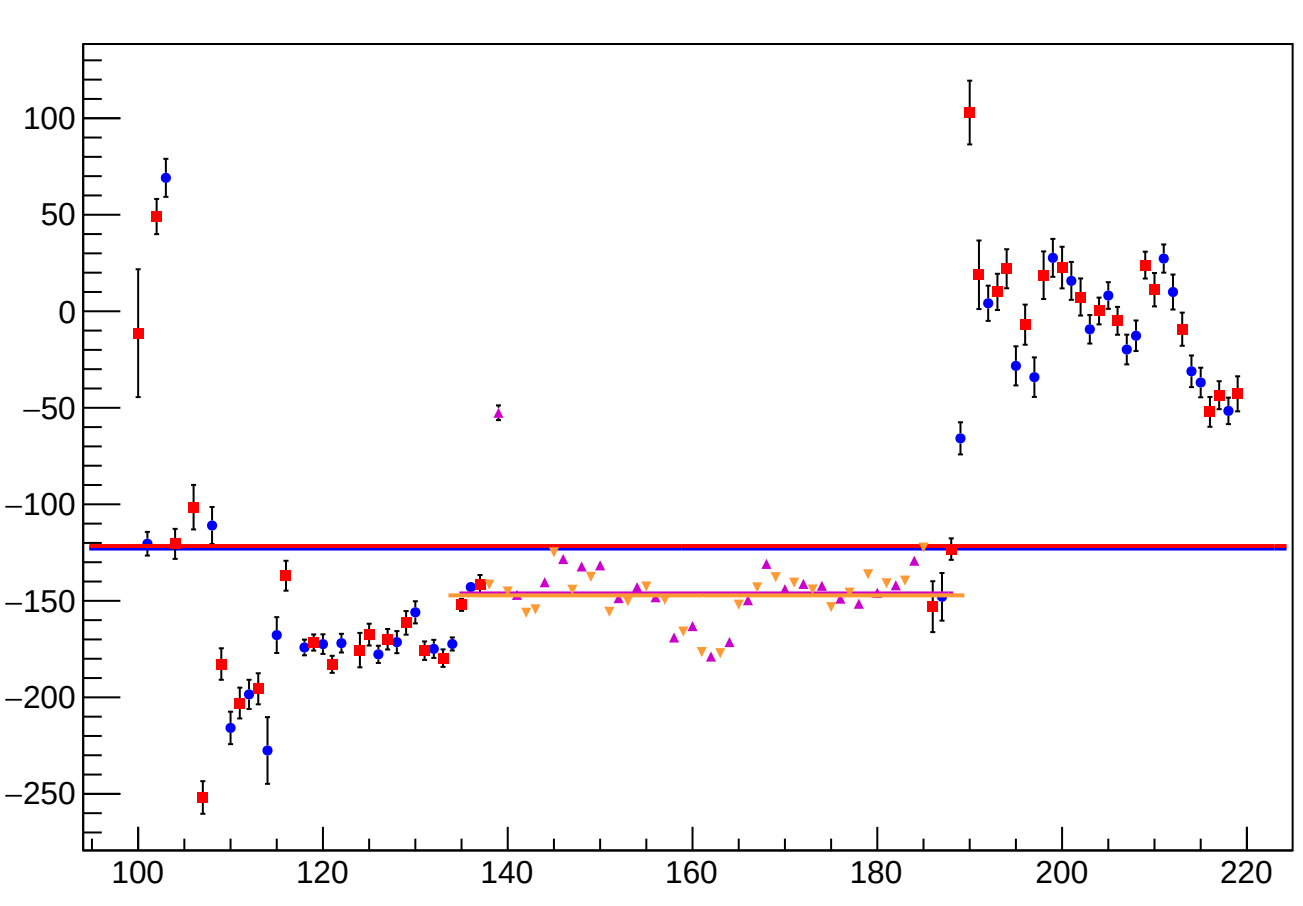
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -189.080+/-0.592 χ^2/NDF: 3661.6/68

In: -144.774+/-0.373 χ^2/NDF:7577.0/54

Out: -143.664+/-0.363 χ^2/NDF:8174.2/61

All: -144.204+/-0.260 χ^2/NDF: 15755.8/116



Right In: -122.909+/-1.057 χ^2/NDF: 4494.9/31

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -121.613+/-1.113 χ^2/NDF: 4769.4/36

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

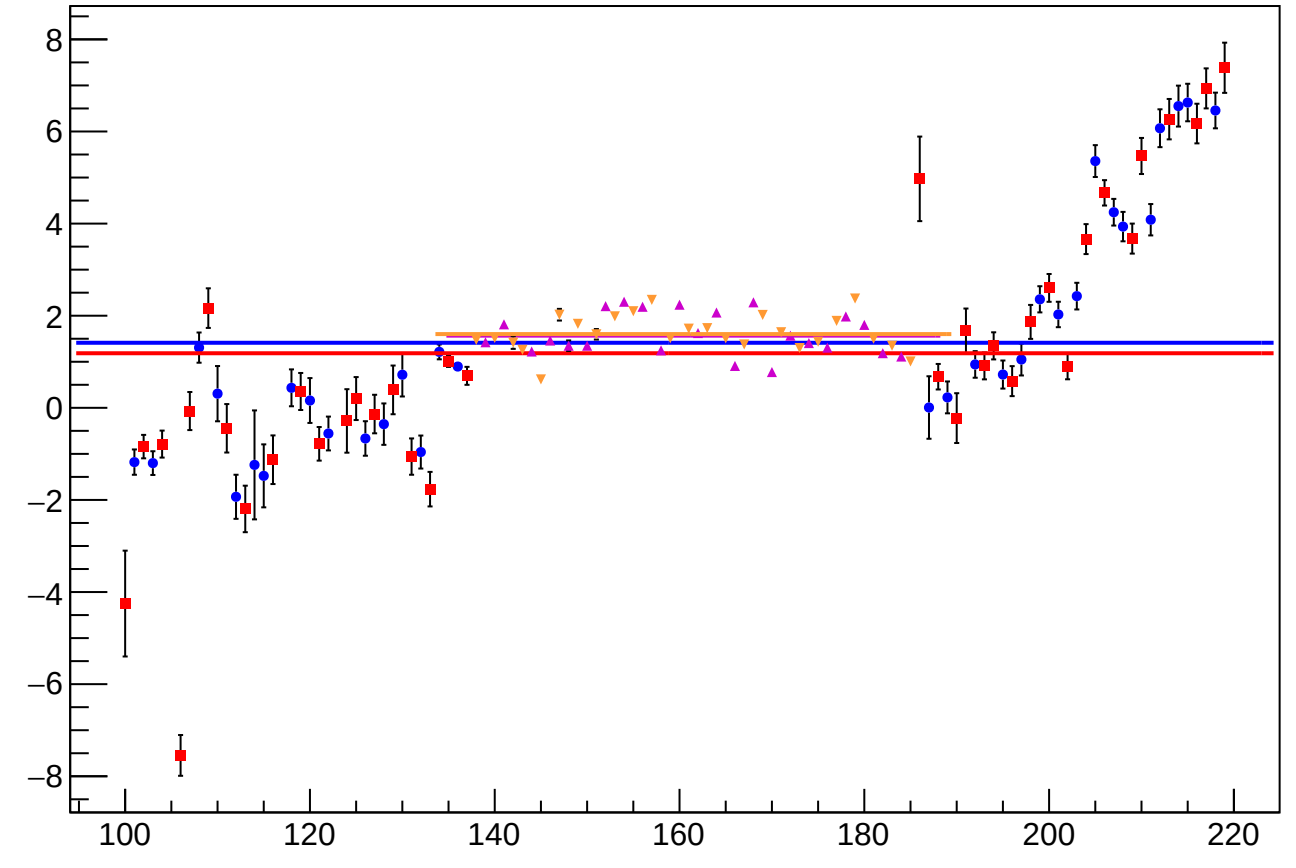
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

Right: -122.295+/-0.766 χ^2/NDF: 9265.0/68

In: -143.627+/-0.350 χ^2/NDF:6720.1/54

Out: -144.770+/-0.341 χ^2/NDF:6492.6/61

All: -144.213+/-0.244 χ^2/NDF: 13218.2/116



Right In: 1.413+/-0.051 χ^2/NDF: 1430.1/31

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 1.185+/-0.055 χ^2/NDF: 1793.7/36

Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

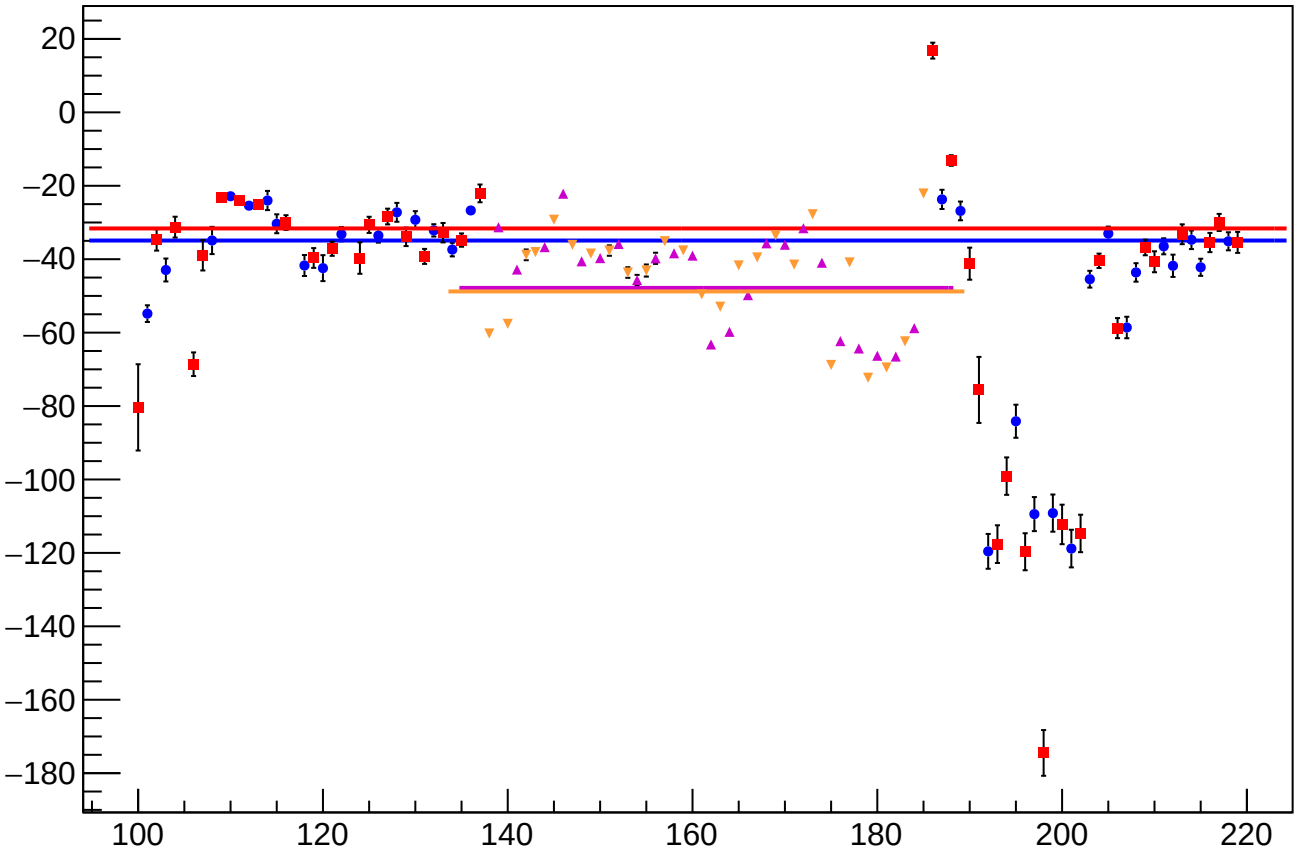
Left: 1.585+/-0.011 χ^2/NDF: 1319.1/47

Right: 1.306+/-0.037 χ^2/NDF: 3233.0/68

In: 1.553+/-0.016 χ^2/NDF:2173.5/54

Out: 1.568+/-0.015 χ^2/NDF:2429.0/61

All: 1.561+/-0.011 χ^2/NDF: 4602.9/116



Right In: -34.915+/-0.388 χ^2/NDF: 1671.5/31

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -31.622+/-0.372 χ^2/NDF: 2958.1/36

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

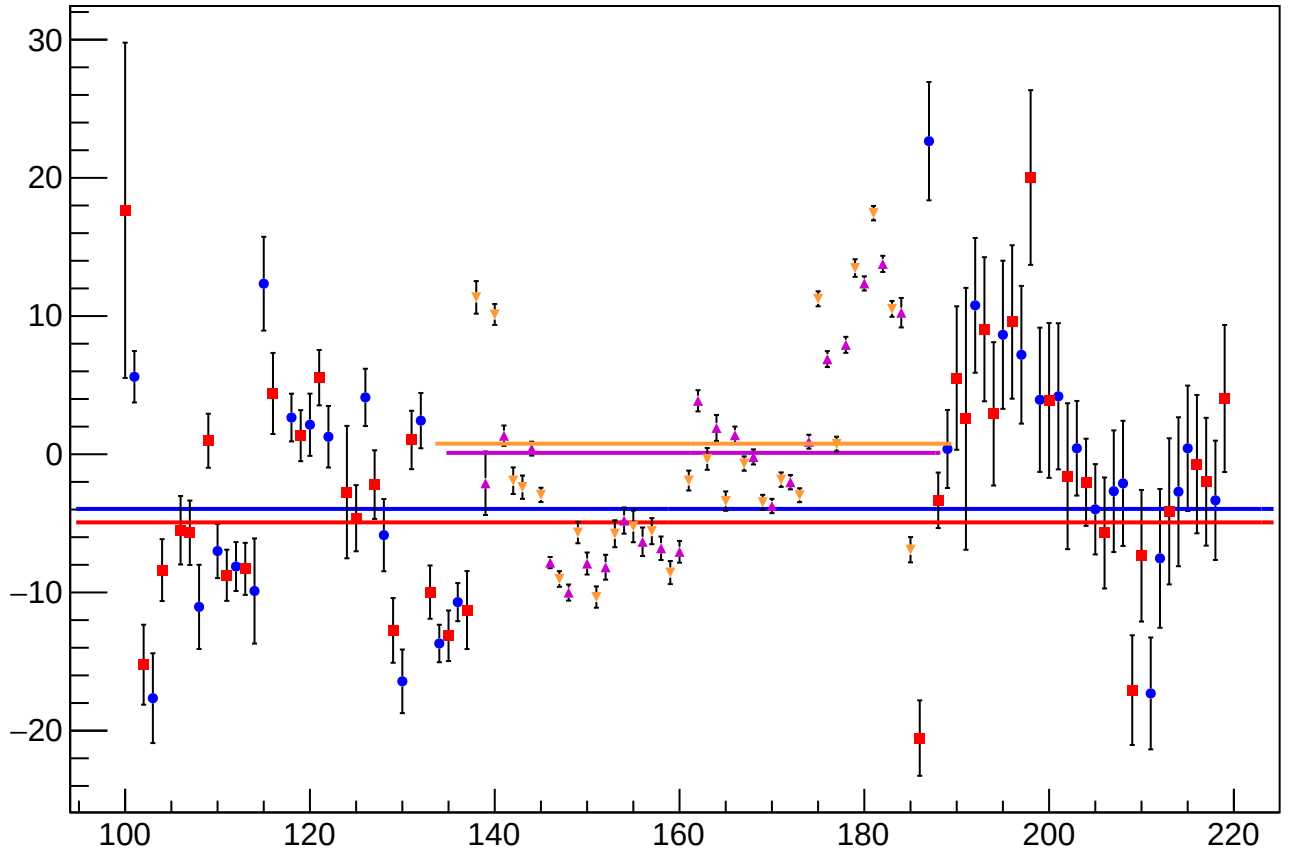
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

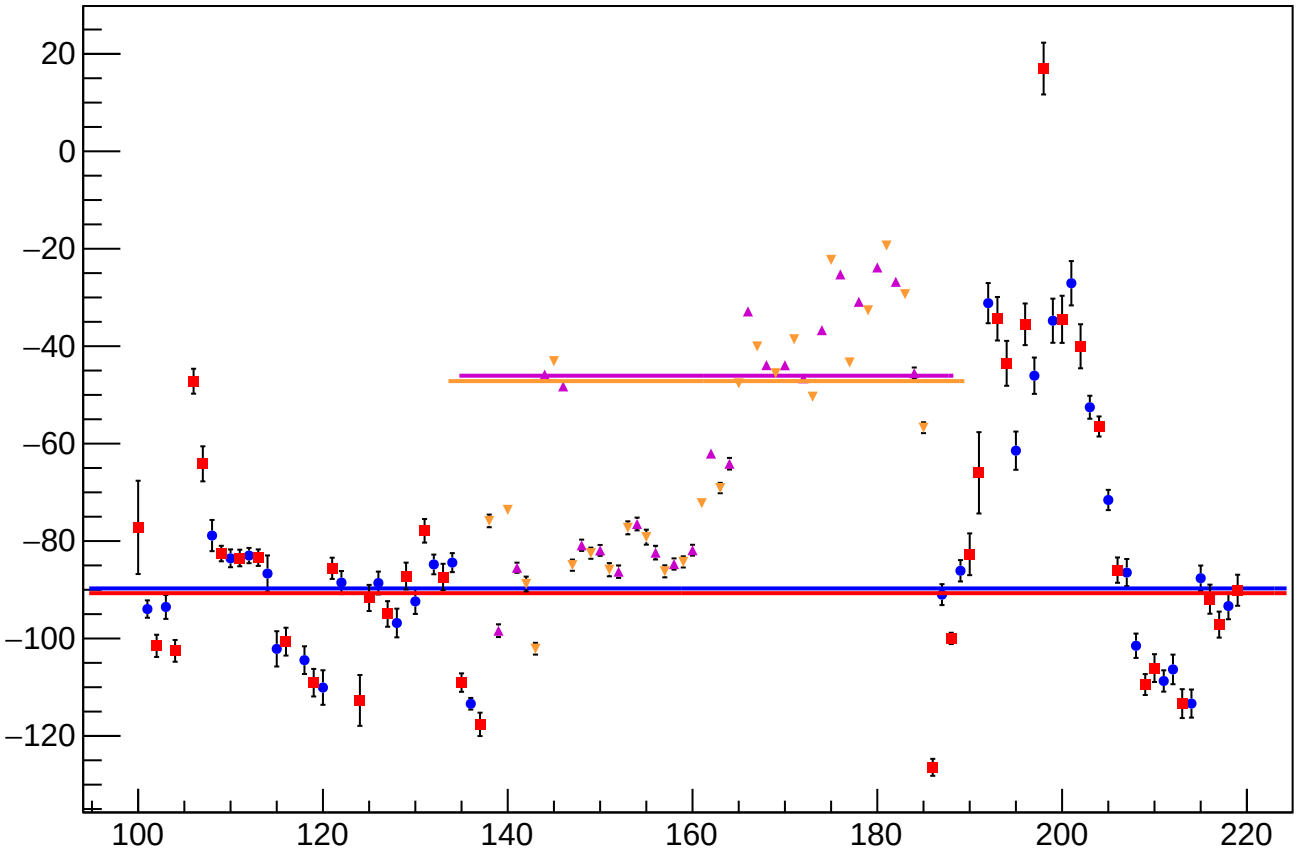
Right: -33.200+/-0.268 χ^2/NDF: 4667.2/68

In: -45.741+/-0.156 χ^2/NDF:9824.0/54

Out: -45.909+/-0.152 χ^2/NDF:13685.1/61

All: -45.827+/-0.109 χ^2/NDF: 23509.7/116


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
220
Right In: -3.955+/-0.459 χ²/NDF: 321.0/31
Left Out: 0.765+/-0.132 χ²/NDF:3467.2/24
Right Out: -4.929+/-0.461 χ²/NDF: 224.1/36
Left In: 0.102+/-0.133 χ²/NDF:2721.8/22
Left: 0.435+/-0.094 χ²/NDF: 6201.6/47
Right: -4.440+/-0.325 χ²/NDF: 547.3/68
In: -0.212+/-0.128 χ²/NDF:3114.7/54
Out: 0.332+/-0.127 χ²/NDF:3832.3/61
All: 0.061+/-0.090 χ²/NDF: 6956.1/116



Right In: -89.722+/-0.422 χ^2/NDF: 1787.7/31

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -90.696+/-0.408 χ^2/NDF: 2839.4/36

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

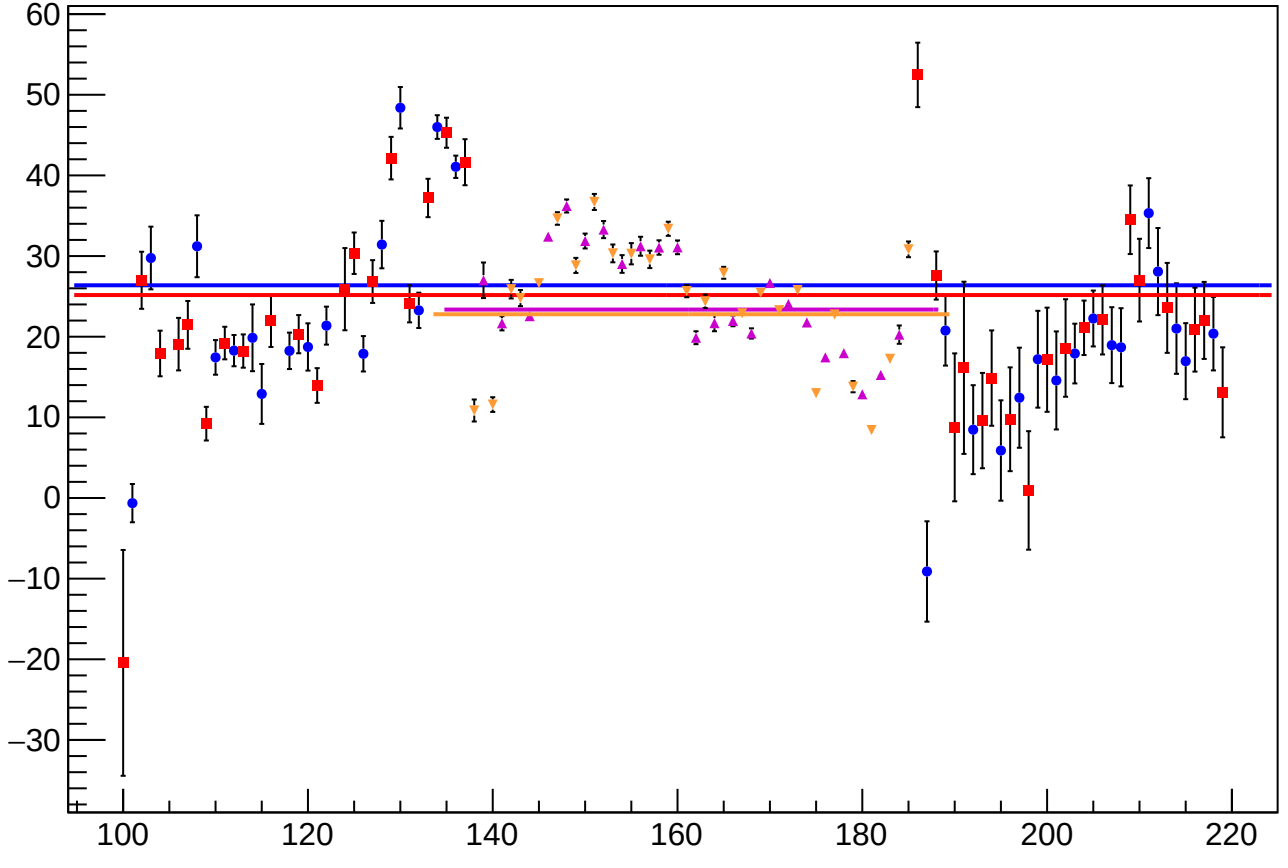
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -90.226+/-0.293 χ^2/NDF: 4629.9/68

In: -52.157+/-0.158 χ^2/NDF:25754.2/54

Out: -53.444+/-0.155 χ^2/NDF:30231.8/61

All: -52.812+/-0.111 χ^2/NDF: 56019.9/116



Right In: 26.374+/-0.515 χ^2/NDF: 681.3/31

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.164+/-0.527 χ^2/NDF: 448.2/36

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

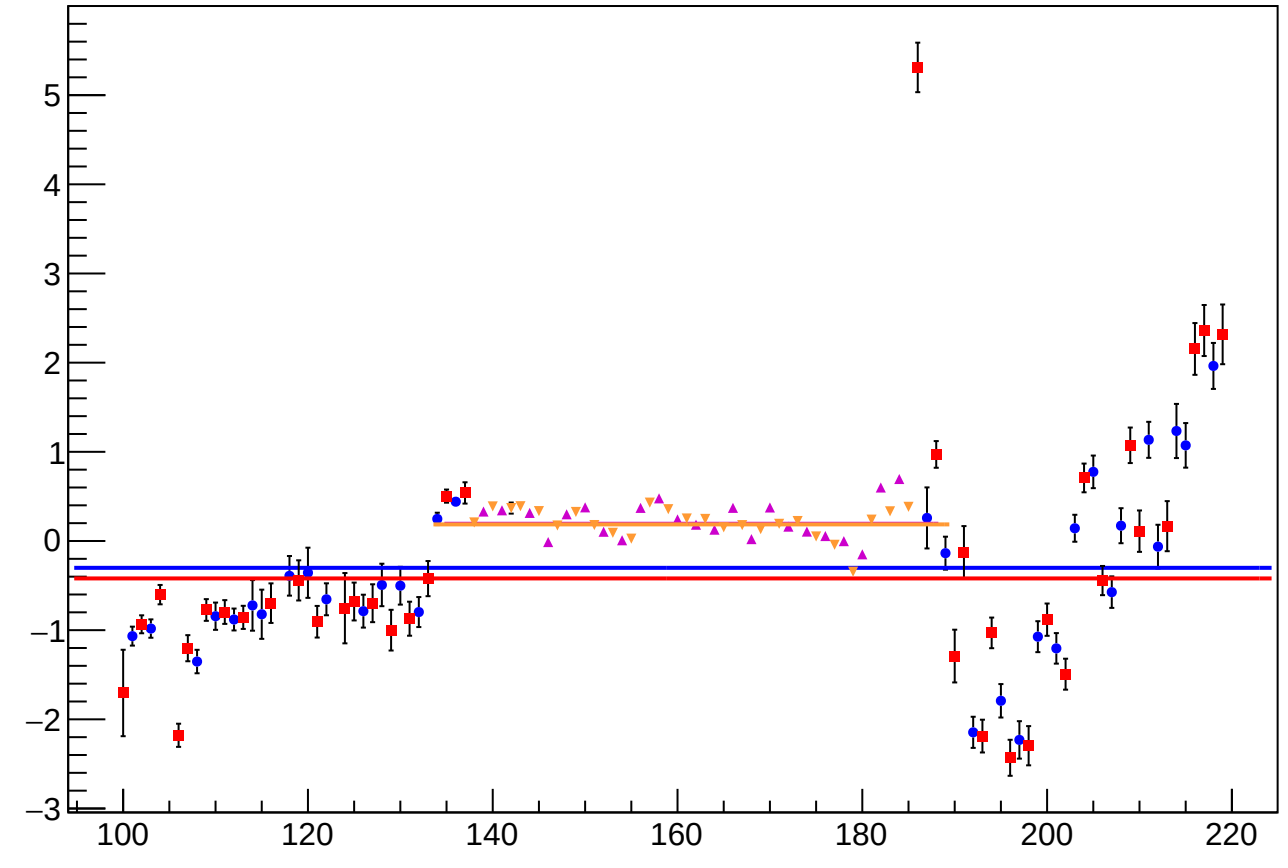
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 25.783+/-0.369 χ^2/NDF: 1132.2/68

In: 23.597+/-0.143 χ^2/NDF:2498.1/54

Out: 22.954+/-0.142 χ^2/NDF:2880.1/61

All: 23.273+/-0.101 χ^2/NDF: 5388.4/116



Right In: -0.301+/-0.026 χ^2/NDF: 1002.3/31

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.420+/-0.027 χ^2/NDF: 1720.9/36

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

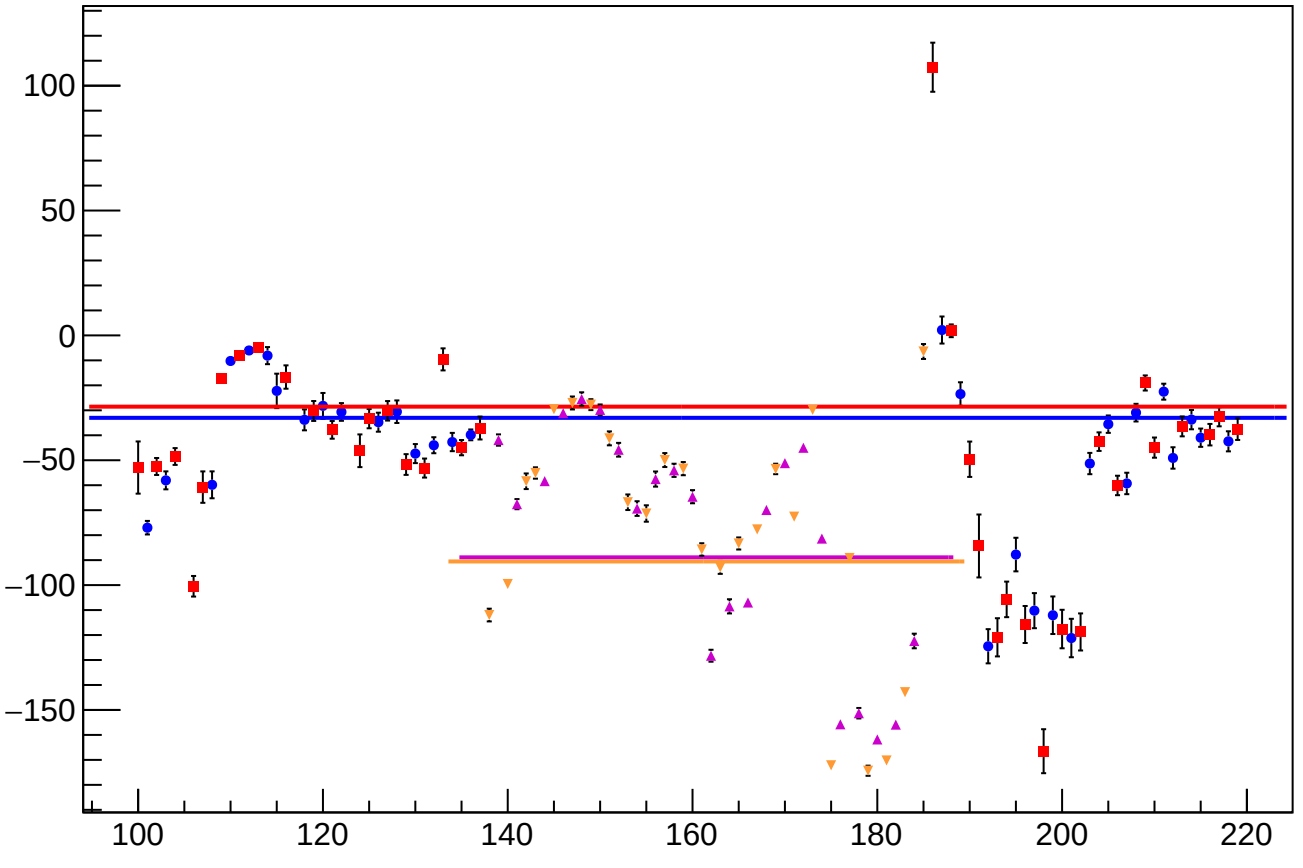
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.358+/-0.019 χ^2/NDF: 2733.1/68

In: 0.163+/-0.006 χ^2/NDF:2277.2/54

Out: 0.153+/-0.006 χ^2/NDF:2833.5/61

All: 0.158+/-0.005 χ^2/NDF: 5112.0/116



Right In: -33.013+/-0.609 χ^2/NDF: 1688.1/31

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -28.536+/-0.567 χ^2/NDF: 2439.3/36

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

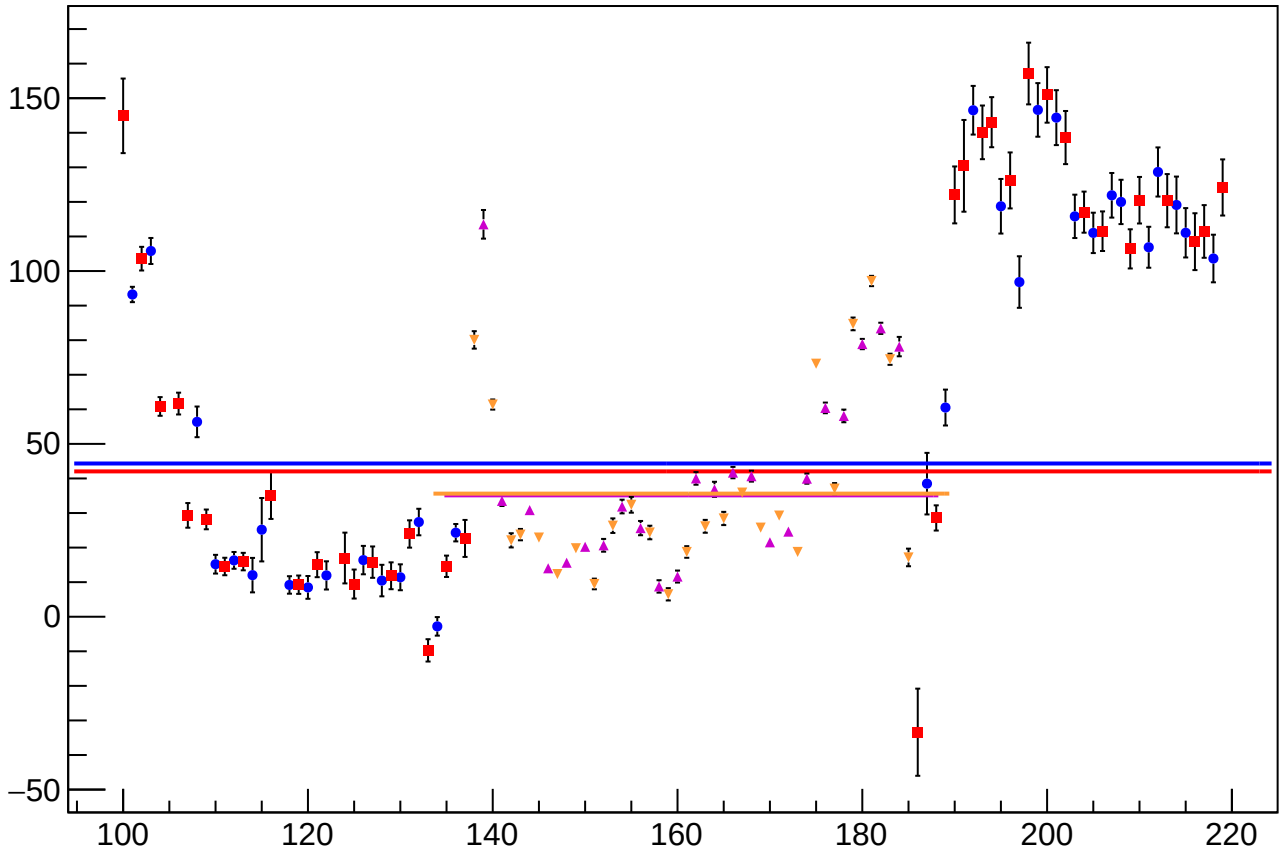
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -30.612+/-0.415 χ^2/NDF: 4156.3/68

In: -70.052+/-0.354 χ^2/NDF:19078.3/54

Out: -68.457+/-0.338 χ^2/NDF:25509.8/61

All: -69.218+/-0.244 χ^2/NDF: 44598.7/116



Right In: 44.327+/-0.730 χ^2/NDF: 3731.7/31

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 42.042+/-0.716 χ^2/NDF: 3591.1/36

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

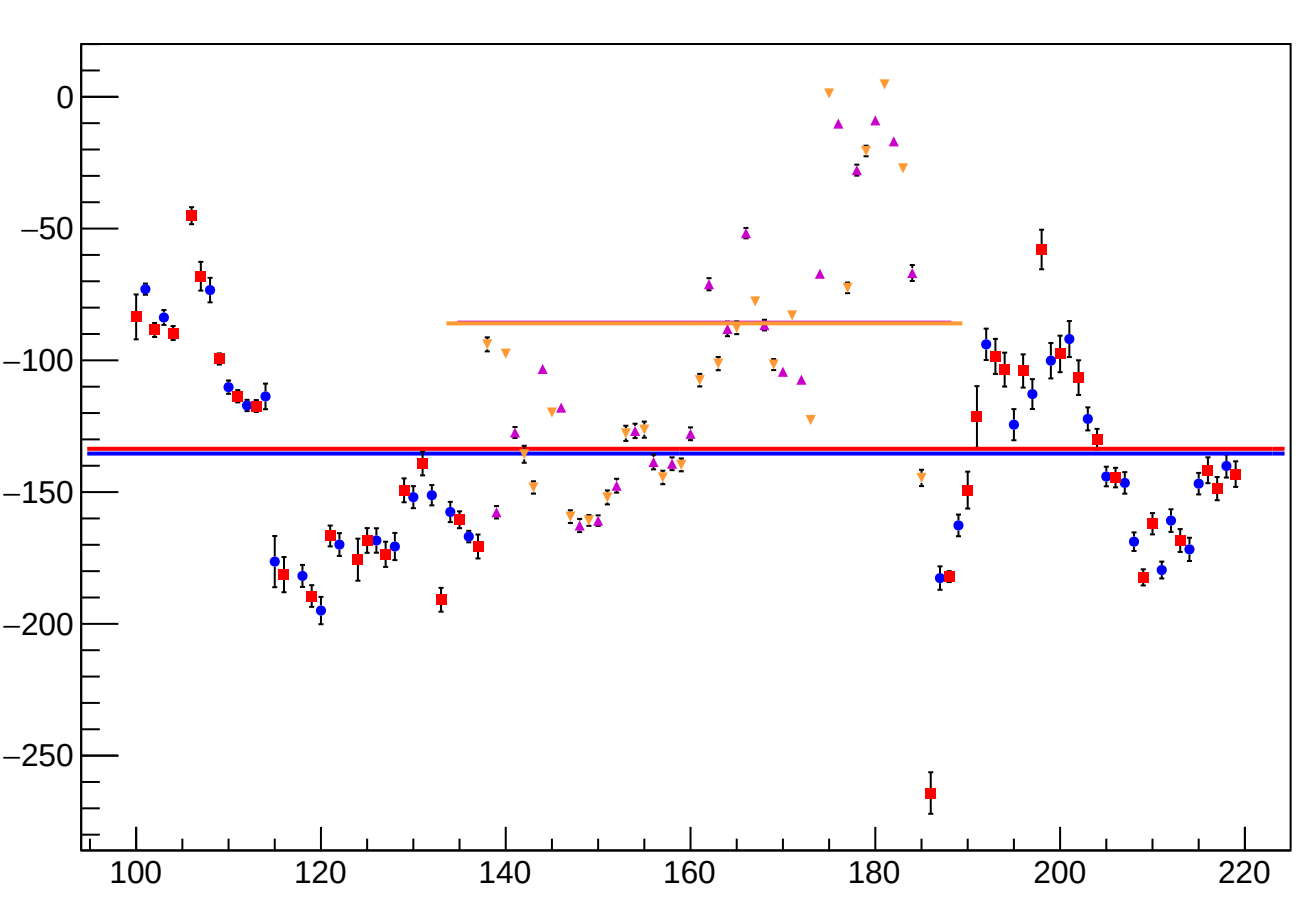
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 43.163+/-0.511 χ^2/NDF: 7327.8/68

In: 36.727+/-0.305 χ^2/NDF:8007.7/54

Out: 36.713+/-0.297 χ^2/NDF:9630.8/61

All: 36.720+/-0.213 χ^2/NDF: 17638.5/116



Right In: -135.377+/-0.663 χ^2/NDF: 2982.7/31

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -133.569+/-0.635 χ^2/NDF: 4088.1/36

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

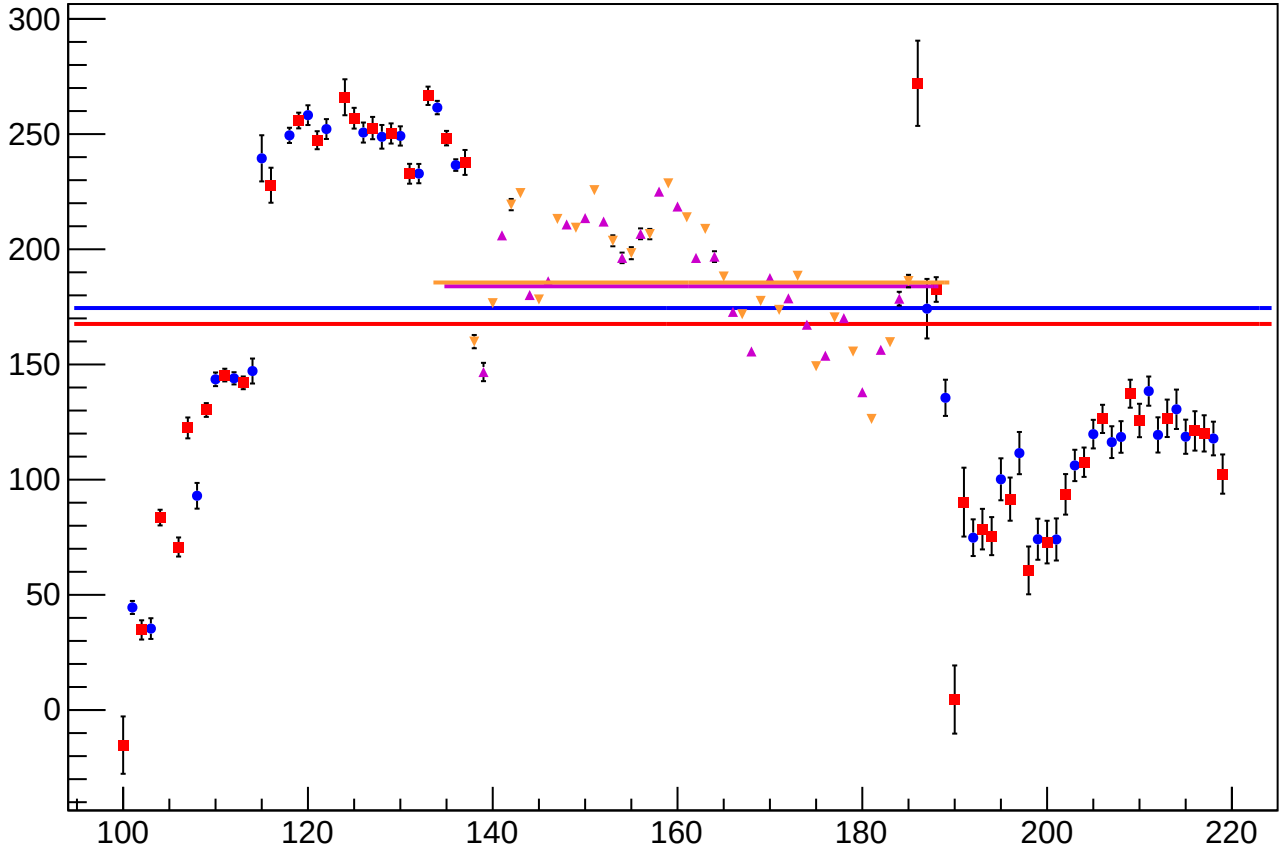
Right: -134.434+/-0.459 χ^2/NDF: 7074.7/68

In: -100.531+/-0.362 χ^2/NDF:20679.0/54

Out: -100.490+/-0.351 χ^2/NDF:24223.9/61

All: -100.510+/-0.252 χ^2/NDF: 44902.9/116

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 174.498+/-0.829 χ^2/NDF: 8425.1/31

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 167.590+/-0.820 χ^2/NDF: 7930.1/36

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

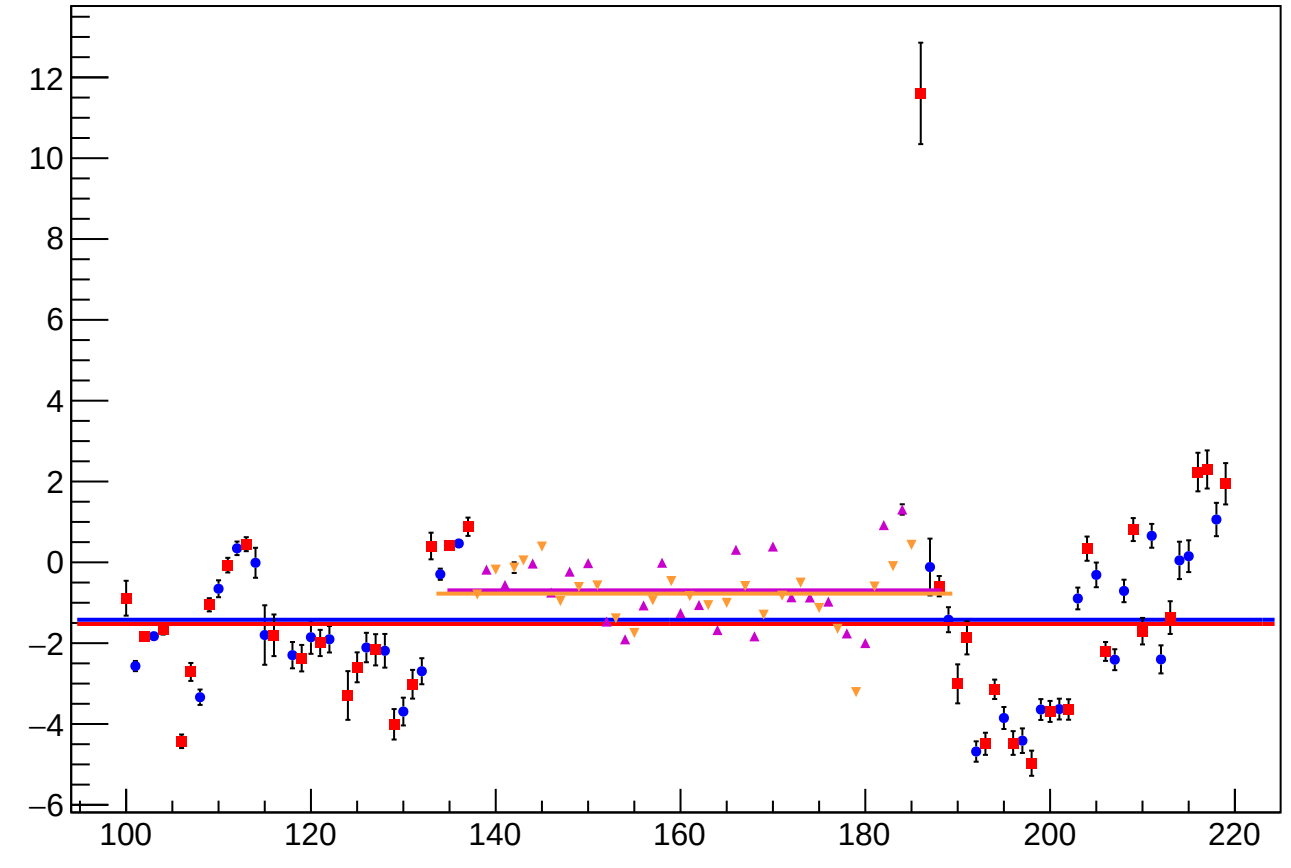
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 171.005+/-0.583 χ^2/NDF: 16390.3/68

In: 182.317+/-0.344 χ^2/NDF:12406.1/54

Out: 182.582+/-0.335 χ^2/NDF:13686.4/61

All: 182.453+/-0.240 χ^2/NDF: 26092.7/116



Right In: -1.420+/-0.041 χ^2/NDF: 1473.9/31

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.525+/-0.040 χ^2/NDF: 1970.5/36

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

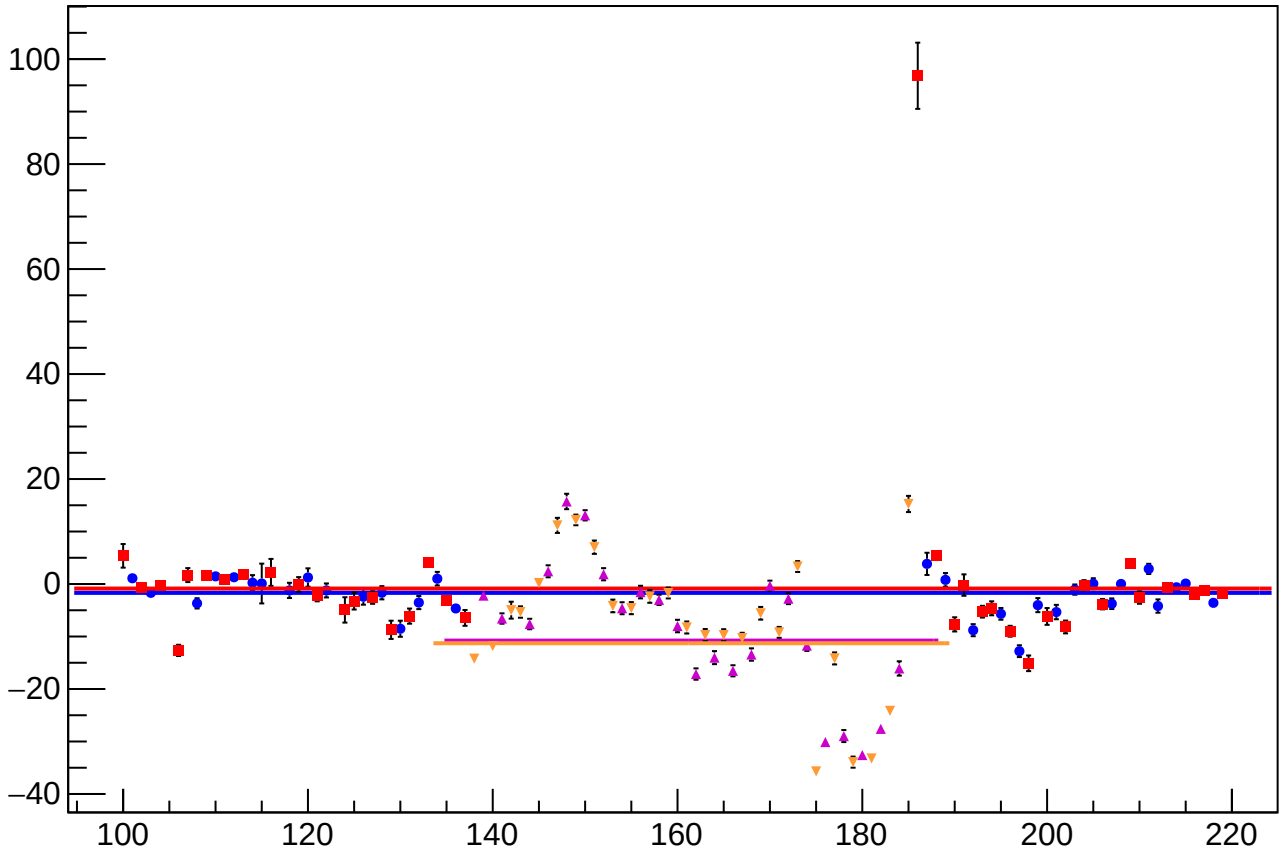
Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

Right: -1.473+/-0.029 χ^2/NDF: 3447.7/68

In: -0.800+/-0.016 χ^2/NDF:4312.3/54

Out: -0.882+/-0.015 χ^2/NDF:4094.5/61

All: -0.842+/-0.011 χ^2/NDF: 8421.3/116



Right In: -1.687+/-0.182 χ^2/NDF: 329.6/31

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.865+/-0.165 χ^2/NDF: 932.3/36

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

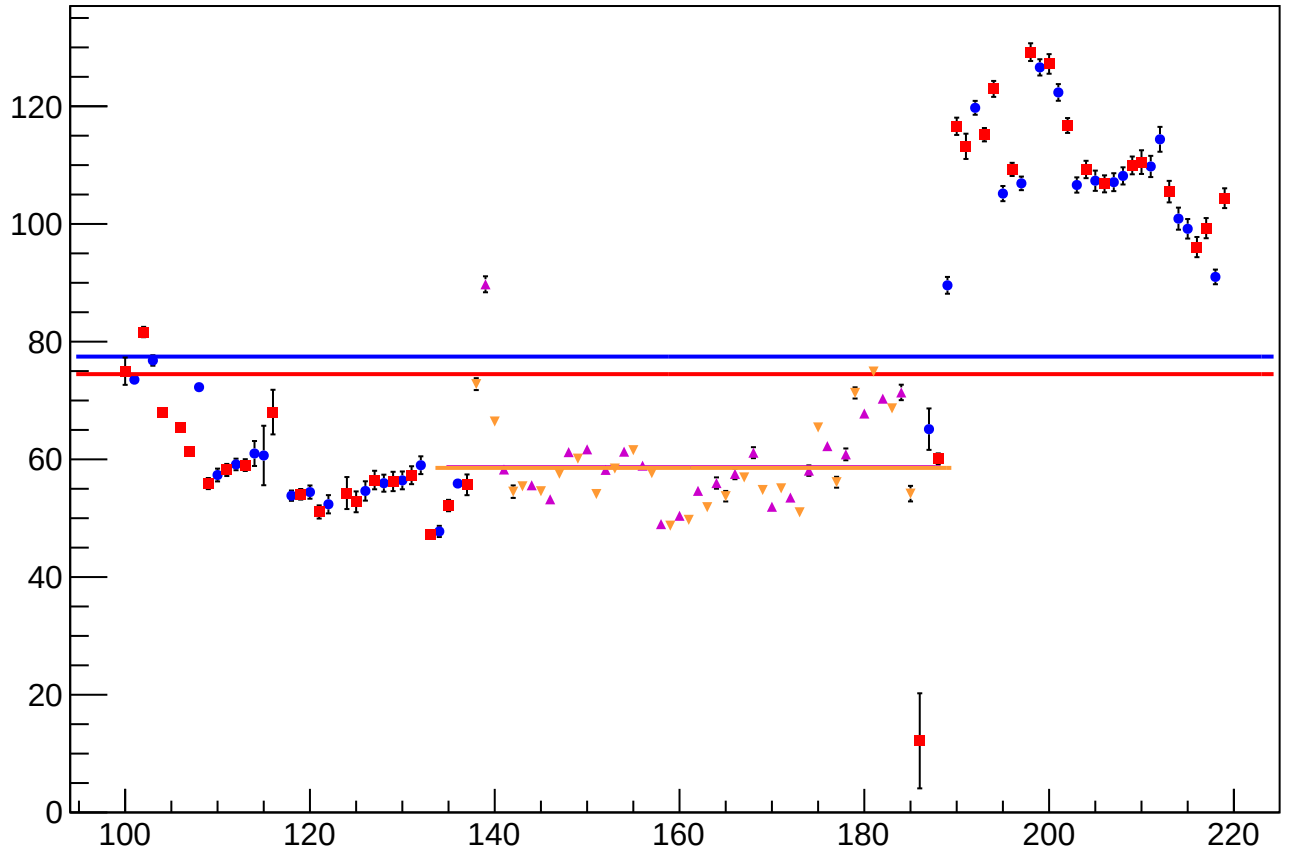
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.236+/-0.122 χ^2/NDF: 1273.1/68

In: -5.521+/-0.139 χ^2/NDF:5077.9/54

Out: -4.899+/-0.129 χ^2/NDF:6970.4/61

All: -5.189+/-0.095 χ^2/NDF: 12059.1/116



Right In: 77.462+/-0.216 χ^2/NDF: 12102.7/31

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 74.481+/-0.199 χ^2/NDF: 16649.8/36

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

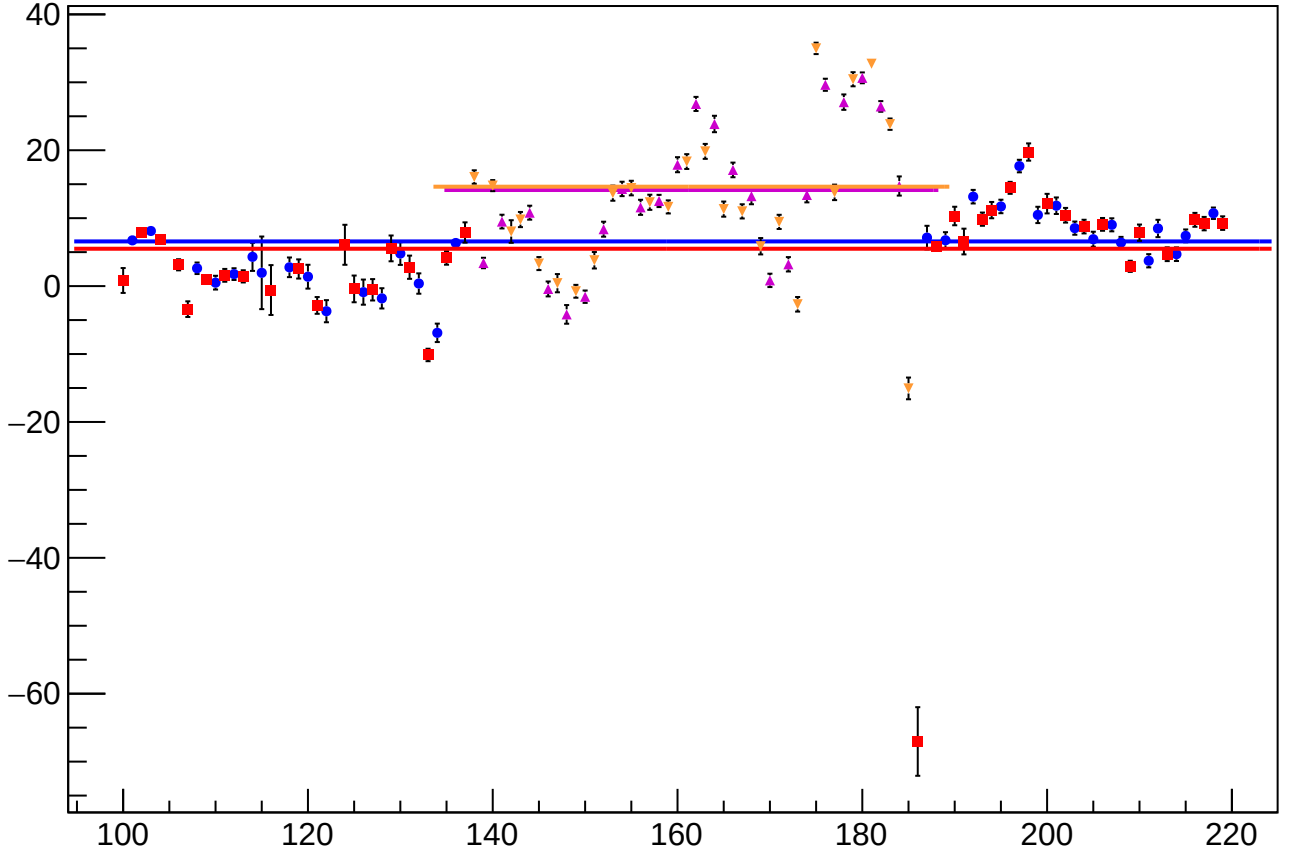
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 75.855+/-0.146 χ^2/NDF: 28855.6/68

In: 65.795+/-0.133 χ^2/NDF:18431.5/54

Out: 64.848+/-0.125 χ^2/NDF:22415.0/61

All: 65.295+/-0.091 χ^2/NDF: 40873.4/116



Right In: 6.579+/-0.185 χ^2/NDF: 609.2/31

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.500+/-0.170 χ^2/NDF: 1162.8/36

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

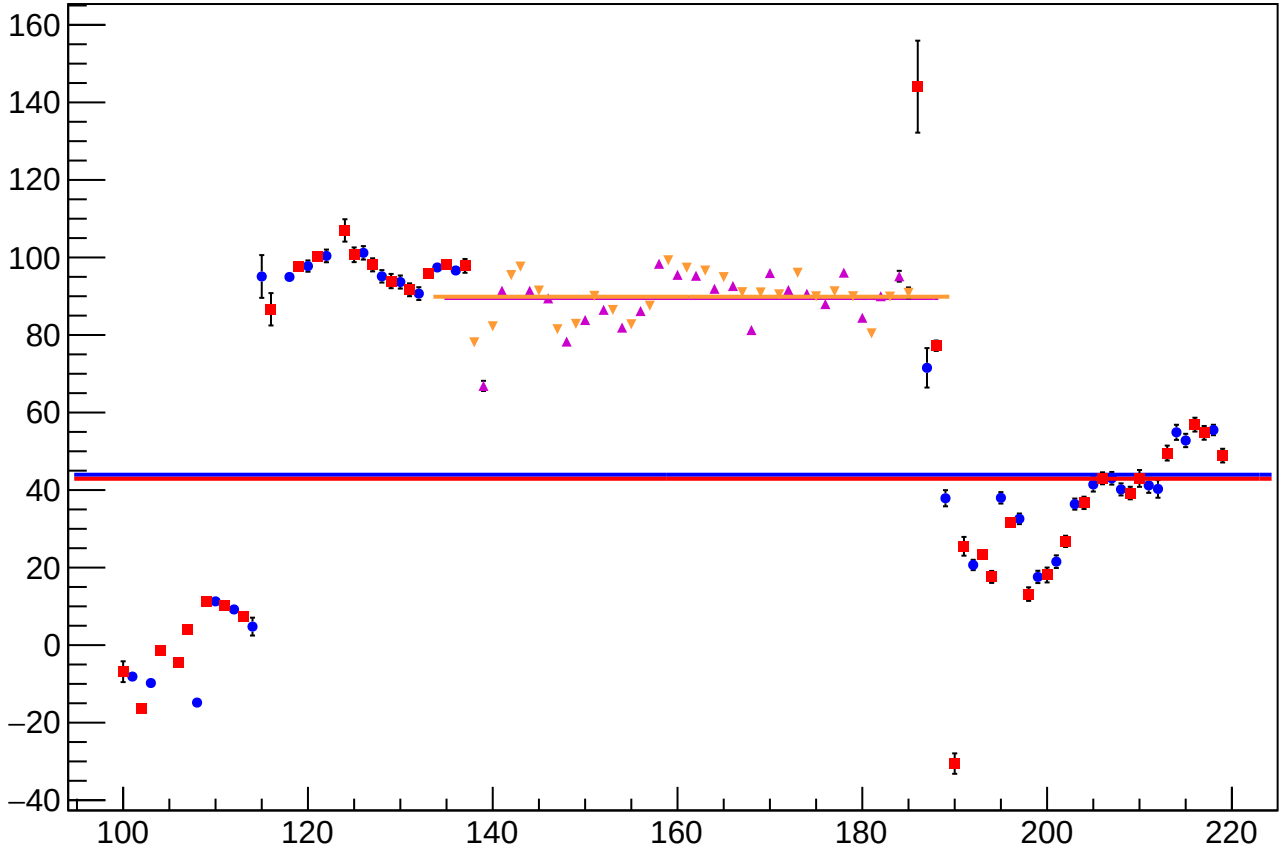
Right: 5.995+/-0.125 χ^2/NDF: 1790.5/68

In: 9.854+/-0.139 χ^2/NDF:3878.0/54

Out: 9.189+/-0.131 χ^2/NDF:5289.2/61

All: 9.503+/-0.095 χ^2/NDF: 9179.2/116

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.957+/-0.248 χ^2/NDF: 28079.3/31

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.911+/-0.232 χ^2/NDF: 31878.4/36

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

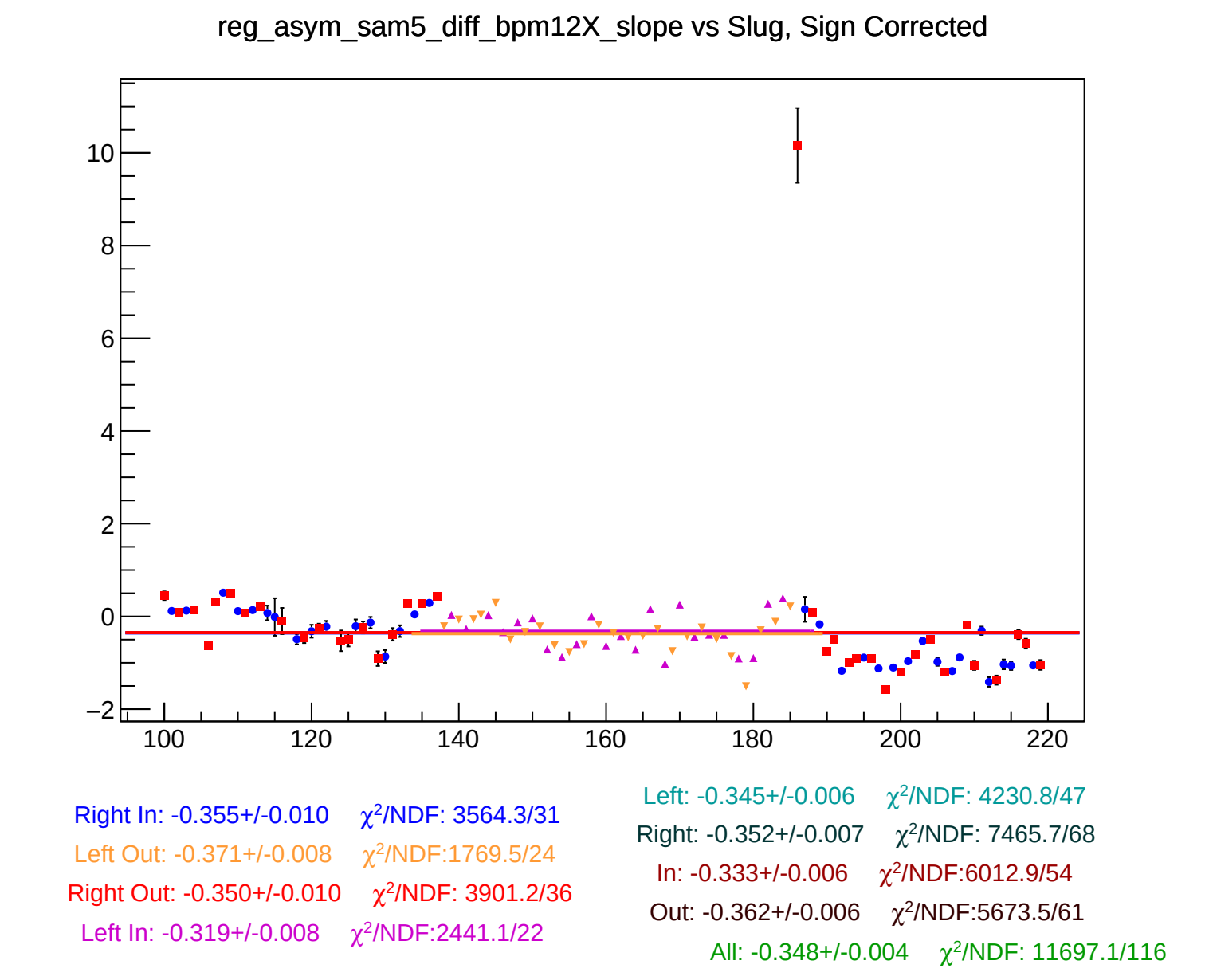
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

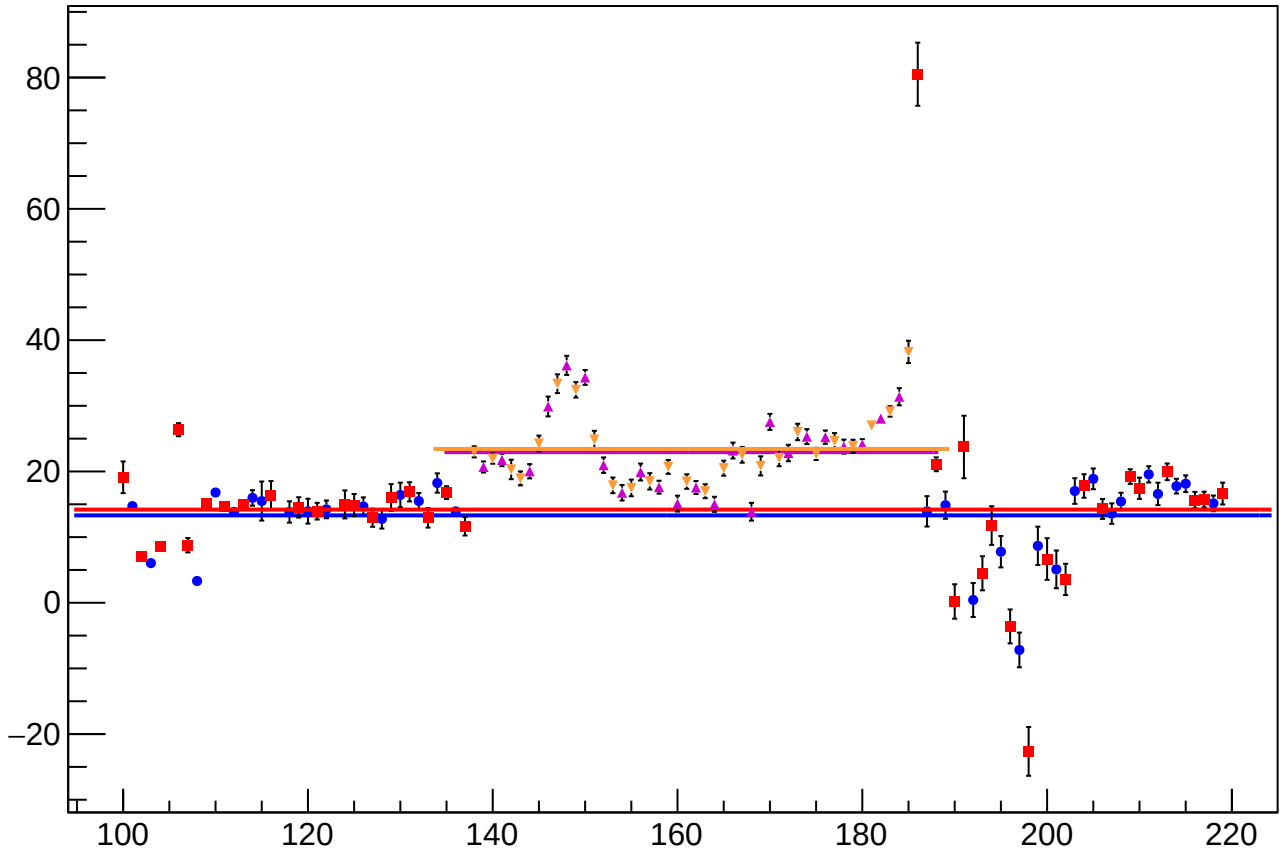
Right: 43.401+/-0.169 χ^2/NDF: 59967.1/68

In: 72.918+/-0.149 χ^2/NDF:50721.2/54

Out: 72.109+/-0.143 χ^2/NDF:58404.5/61

All: 72.495+/-0.103 χ^2/NDF: 109141.0/116


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: -0.355+/-0.010 χ²/NDF: 3564.3/31
Left Out: -0.371+/-0.008 χ²/NDF:1769.5/24
Right Out: -0.350+/-0.010 χ²/NDF: 3901.2/36
Left In: -0.319+/-0.008 χ²/NDF:2441.1/22
Left: -0.345+/-0.006 χ²/NDF: 4230.8/47
Right: -0.352+/-0.007 χ²/NDF: 7465.7/68
In: -0.333+/-0.006 χ²/NDF:6012.9/54
Out: -0.362+/-0.006 χ²/NDF:5673.5/61
All: -0.348+/-0.004 χ²/NDF: 11697.1/116



Right In: 13.312+/-0.190 χ^2/NDF: 574.8/31

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 14.193+/-0.182 χ^2/NDF: 913.8/36

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

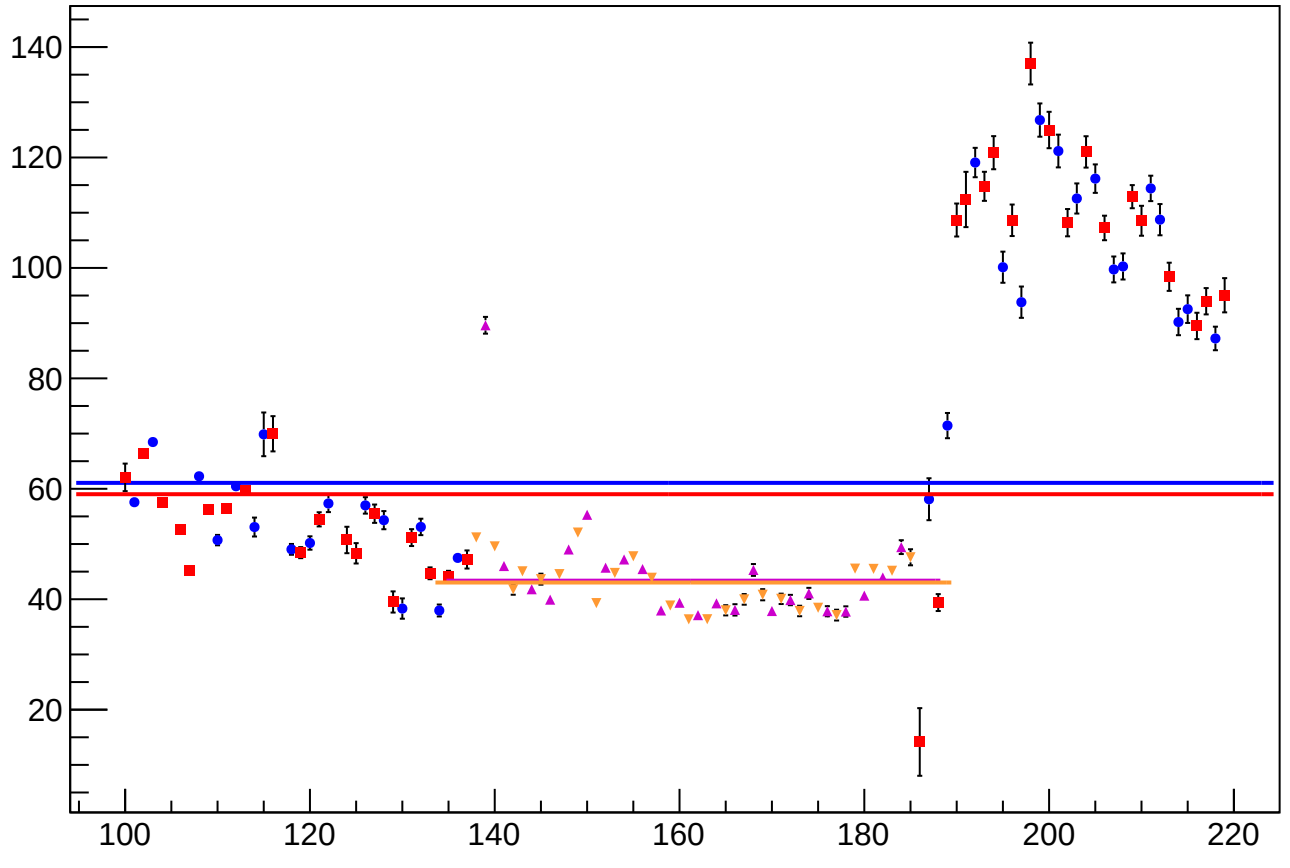
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.771+/-0.131 χ^2/NDF: 1499.8/68

In: 17.316+/-0.145 χ^2/NDF:2208.8/54

Out: 18.036+/-0.139 χ^2/NDF:2411.5/61

All: 17.691+/-0.101 χ^2/NDF: 4633.1/116



Right In: 61.074+/-0.210 χ^2/NDF: 5871.7/31

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 59.021+/-0.211 χ^2/NDF: 7176.1/36

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

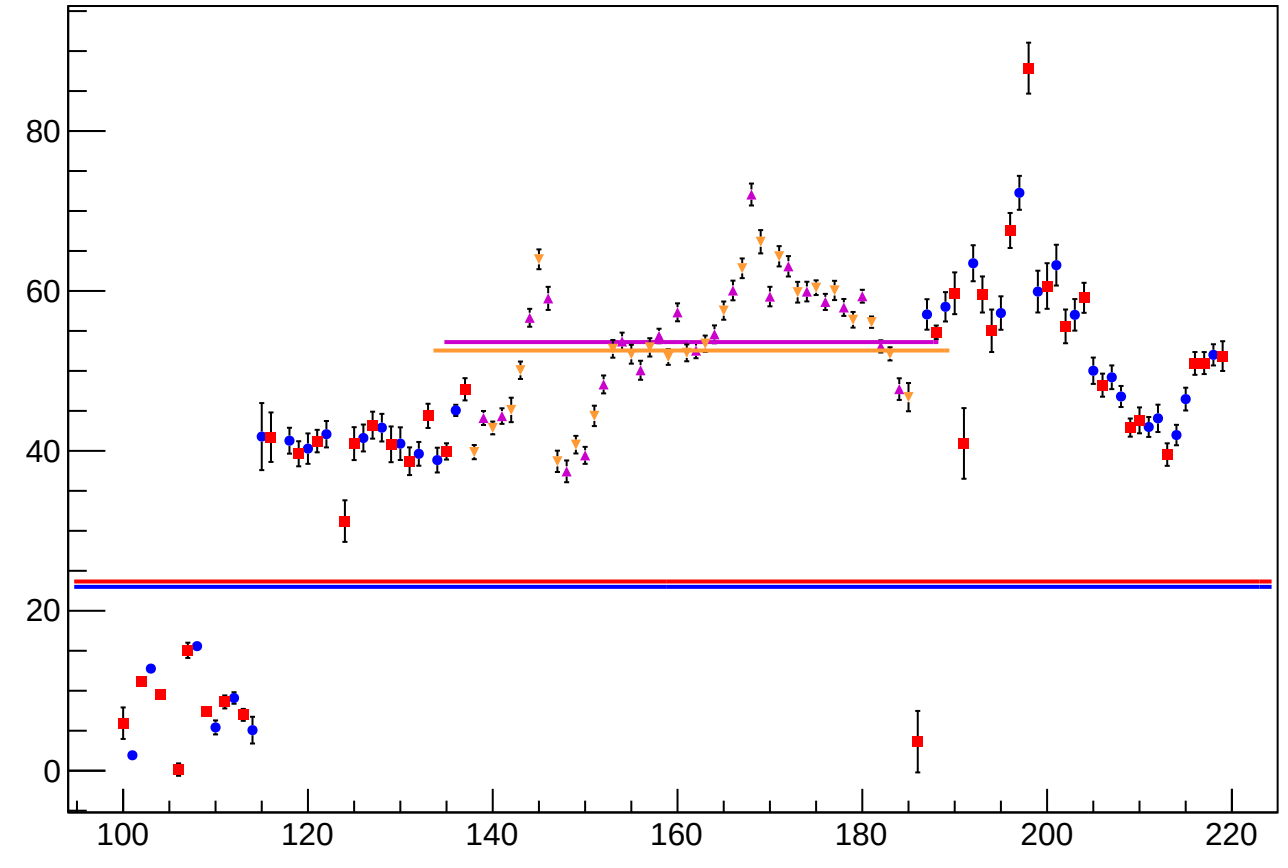
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 60.054+/-0.149 χ^2/NDF: 13095.4/68

In: 50.728+/-0.135 χ^2/NDF:11717.5/54

Out: 49.199+/-0.131 χ^2/NDF:11482.5/61

All: 49.939+/-0.094 χ^2/NDF: 23265.8/116



Right In: 22.992+/-0.190 χ^2/NDF: 11231.8/31

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 23.663+/-0.192 χ^2/NDF: 10707.0/36

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

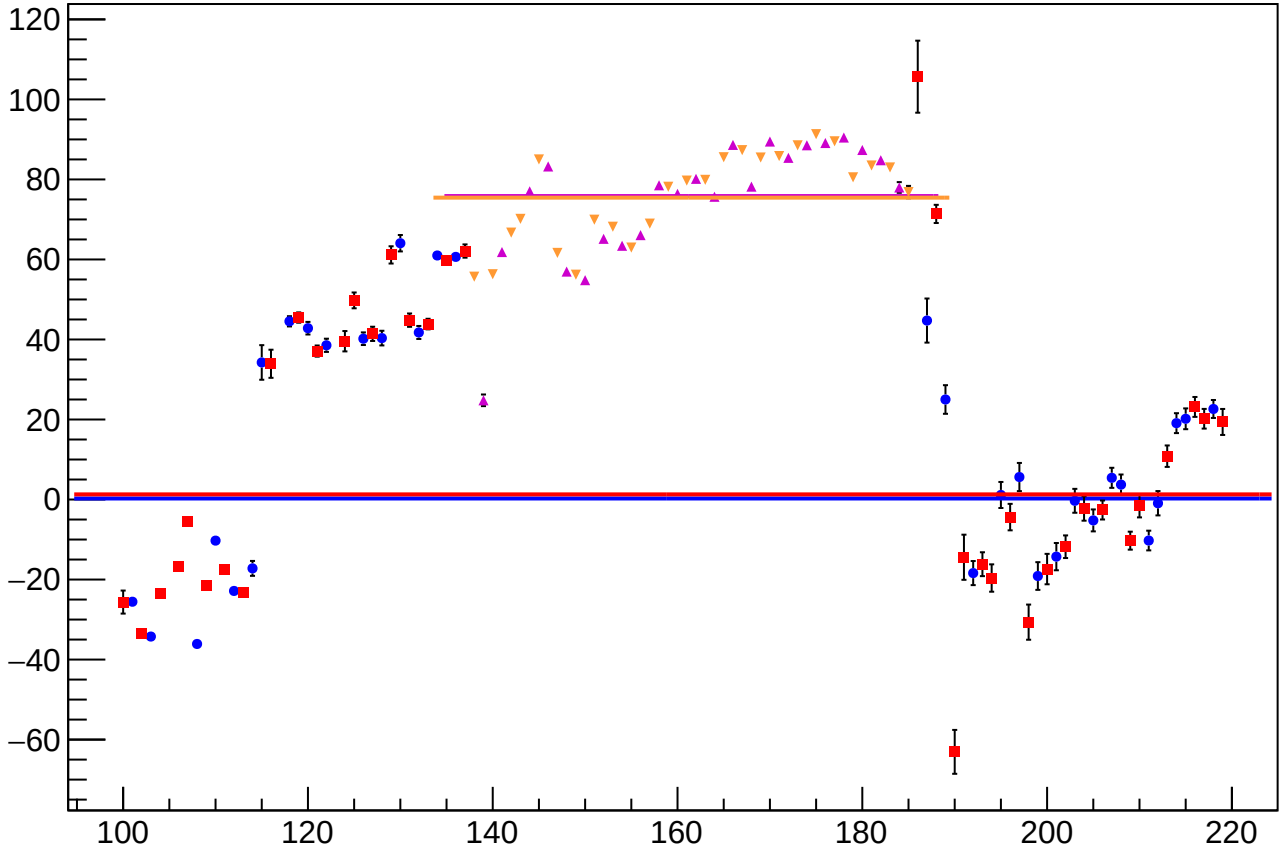
Right: 23.325+/-0.135 χ^2/NDF: 21945.0/68

In: 35.882+/-0.145 χ^2/NDF:23167.9/54

Out: 36.490+/-0.143 χ^2/NDF:21968.6/61

All: 36.189+/-0.102 χ^2/NDF: 45145.4/116

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.259+/-0.246 χ^2/NDF: 21482.3/31

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.286+/-0.247 χ^2/NDF: 17651.3/36

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

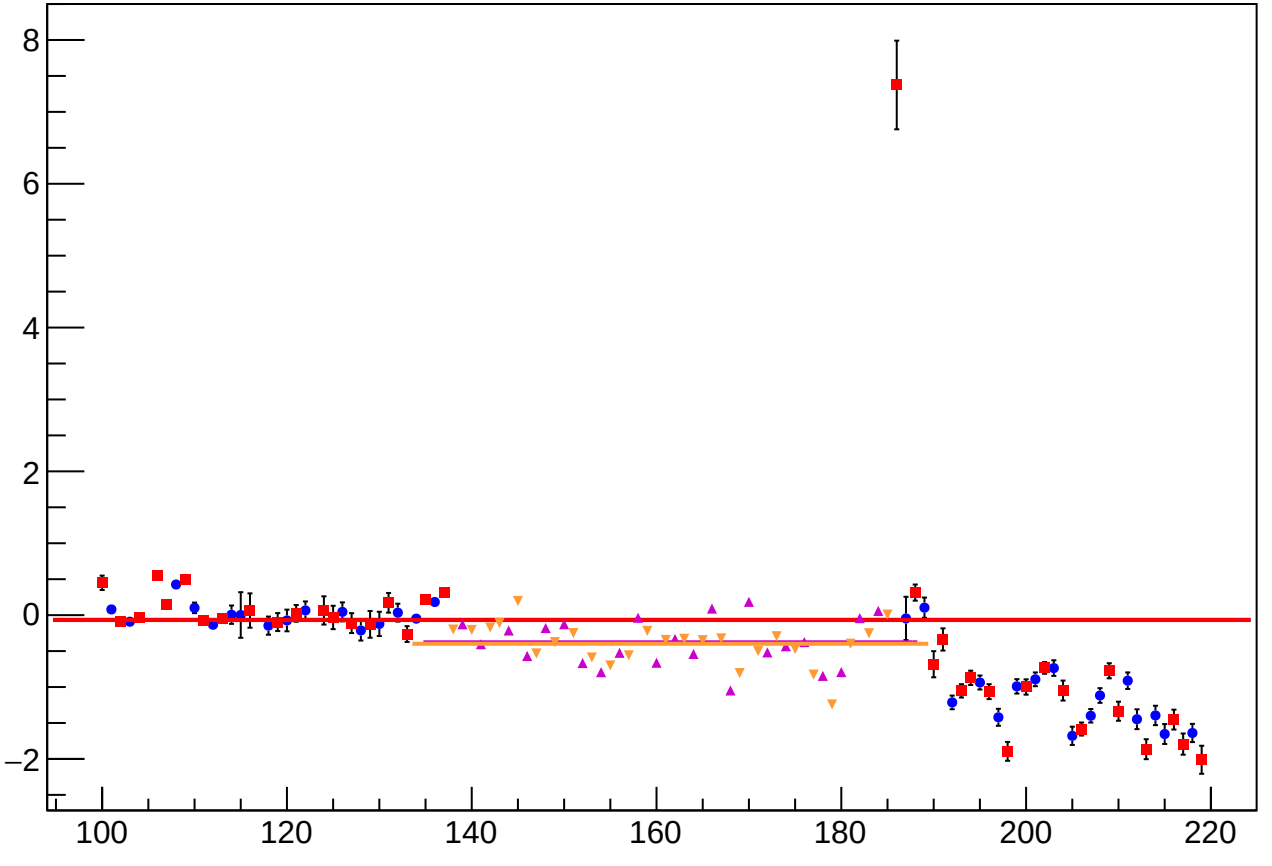
Right: 0.770+/-0.174 χ^2/NDF: 39142.2/68

In: 46.245+/-0.154 χ^2/NDF:83246.0/54

Out: 48.216+/-0.150 χ^2/NDF:78054.0/61

All: 47.257+/-0.107 χ^2/NDF: 161384.2/116

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.065+/-0.010 χ^2/NDF: 2070.7/31

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: -0.068+/-0.011 χ^2/NDF: 2343.3/36

Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

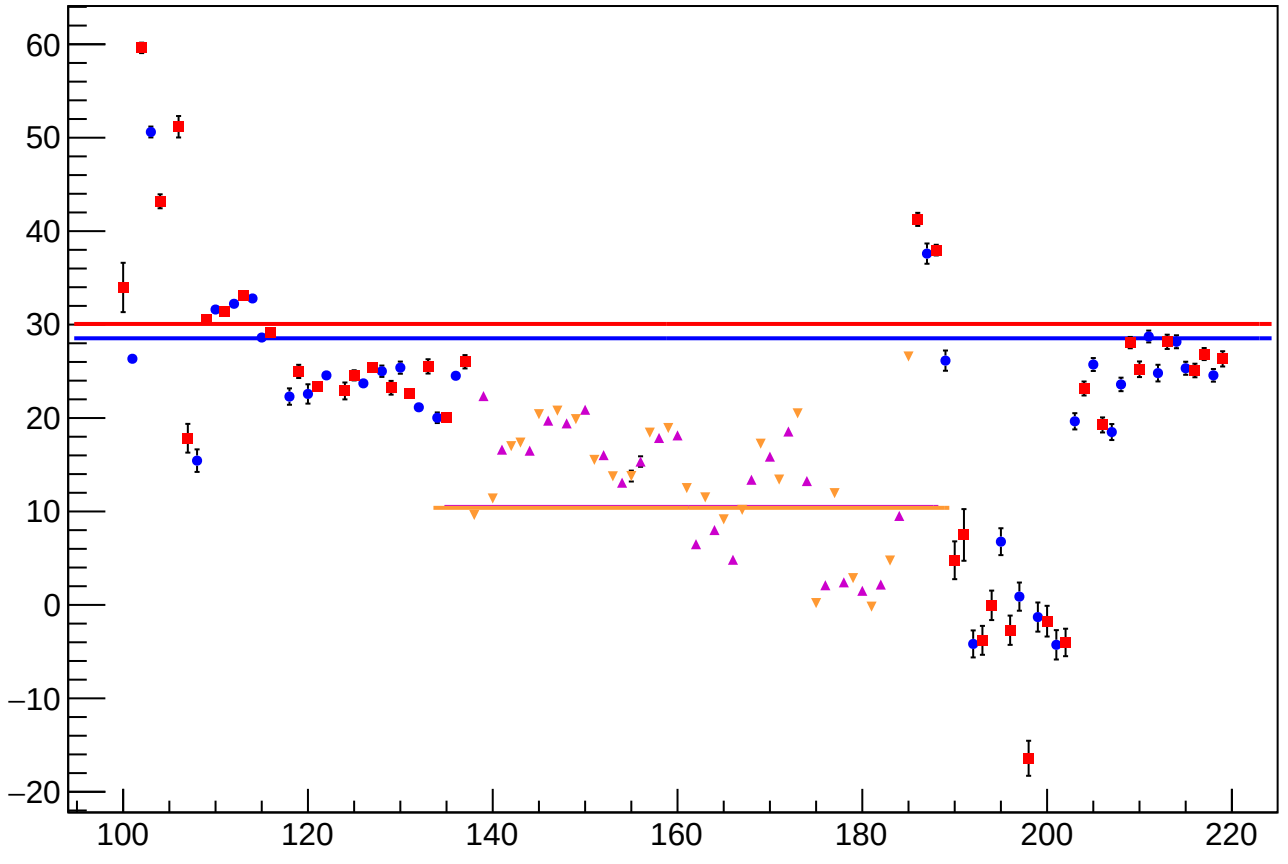
Left: -0.388+/-0.006 χ^2/NDF: 2386.0/47

Right: -0.067+/-0.007 χ^2/NDF: 4414.0/68

In: -0.252+/-0.007 χ^2/NDF:3955.5/54

Out: -0.270+/-0.007 χ^2/NDF:3971.4/61

All: -0.261+/-0.005 χ^2/NDF: 7930.9/116



Right In: 28.534+/-0.085 χ^2/NDF: 5824.9/31

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.068+/-0.075 χ^2/NDF: 9043.3/36

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

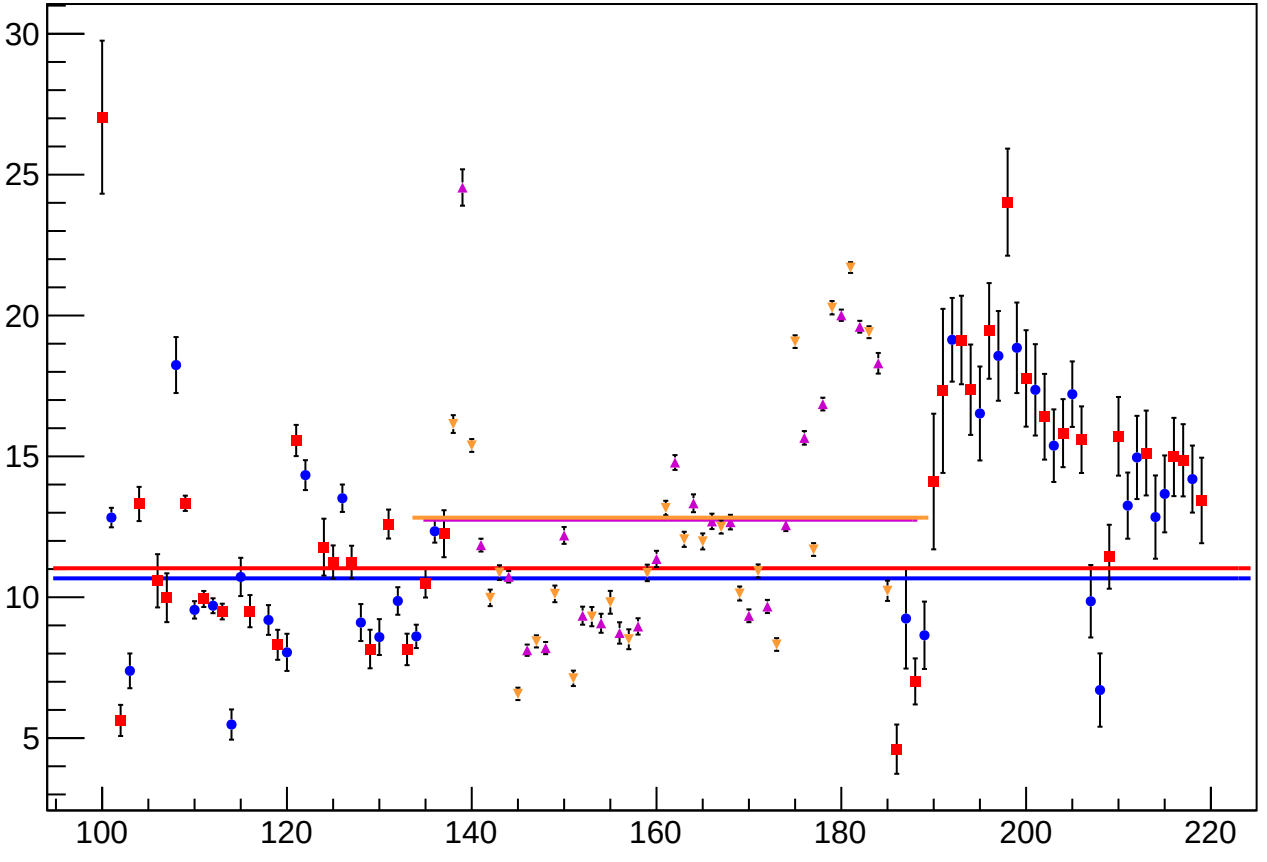
Right: 29.397+/-0.056 χ^2/NDF: 15052.1/68

In: 17.392+/-0.052 χ^2/NDF:45255.9/54

Out: 18.719+/-0.049 χ^2/NDF:62695.2/61

All: 18.105+/-0.036 χ^2/NDF: 108294.8/116

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.670+/-0.108 χ^2/NDF: 611.4/31

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 11.029+/-0.106 χ^2/NDF: 715.9/36

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

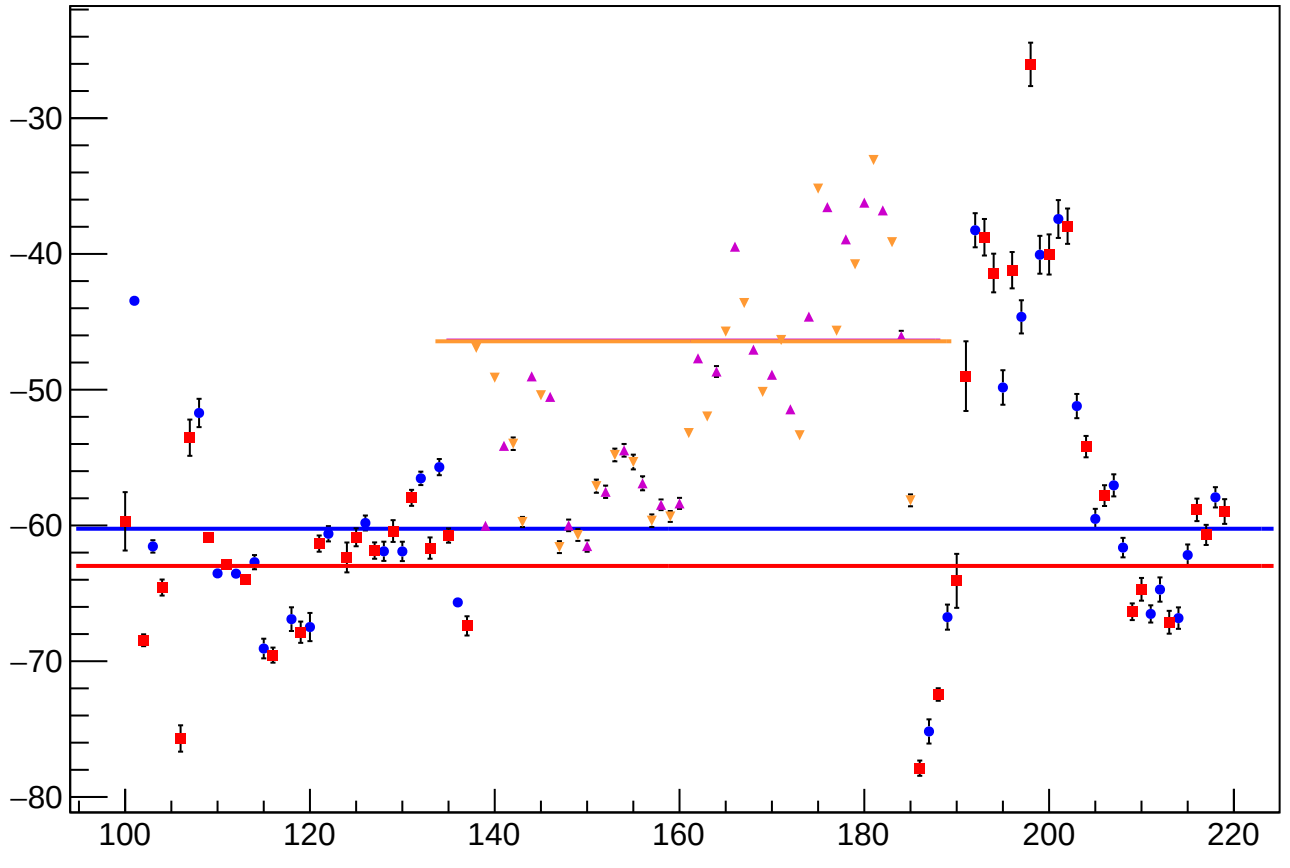
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.853+/-0.076 χ^2/NDF: 1332.9/68

In: 12.350+/-0.048 χ^2/NDF:6412.7/54

Out: 12.488+/-0.046 χ^2/NDF:8964.2/61

All: 12.422+/-0.033 χ^2/NDF: 15381.2/116



Right In: -60.243+/-0.101 χ^2/NDF: 5272.7/31

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -62.982+/-0.095 χ^2/NDF: 4243.5/36

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

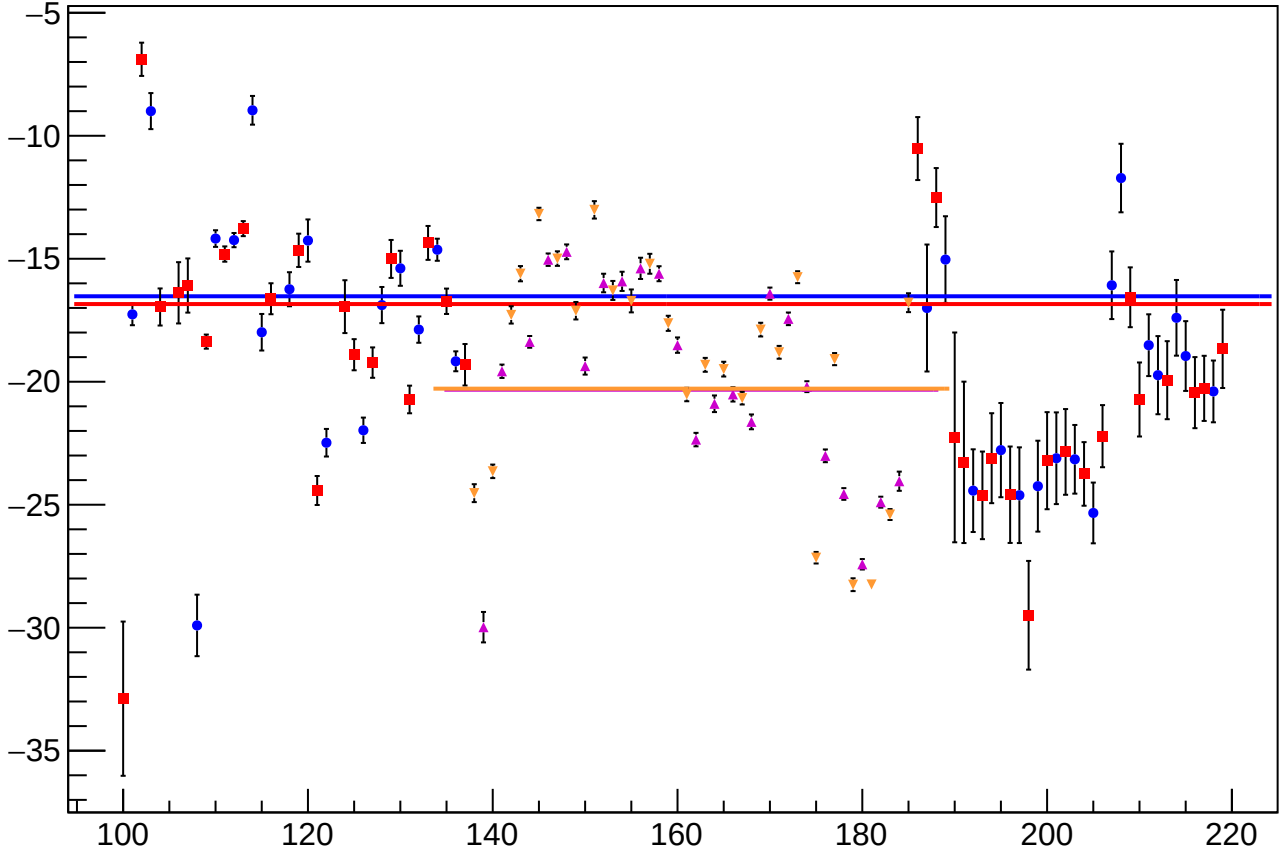
Right: -61.694+/-0.069 χ^2/NDF: 9909.7/68

In: -50.629+/-0.056 χ^2/NDF:33541.4/54

Out: -51.671+/-0.053 χ^2/NDF:43286.7/61

All: -51.172+/-0.038 χ^2/NDF: 77011.1/116

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.526+/-0.121 χ^2/NDF: 991.4/31

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.842+/-0.118 χ^2/NDF: 907.5/36

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

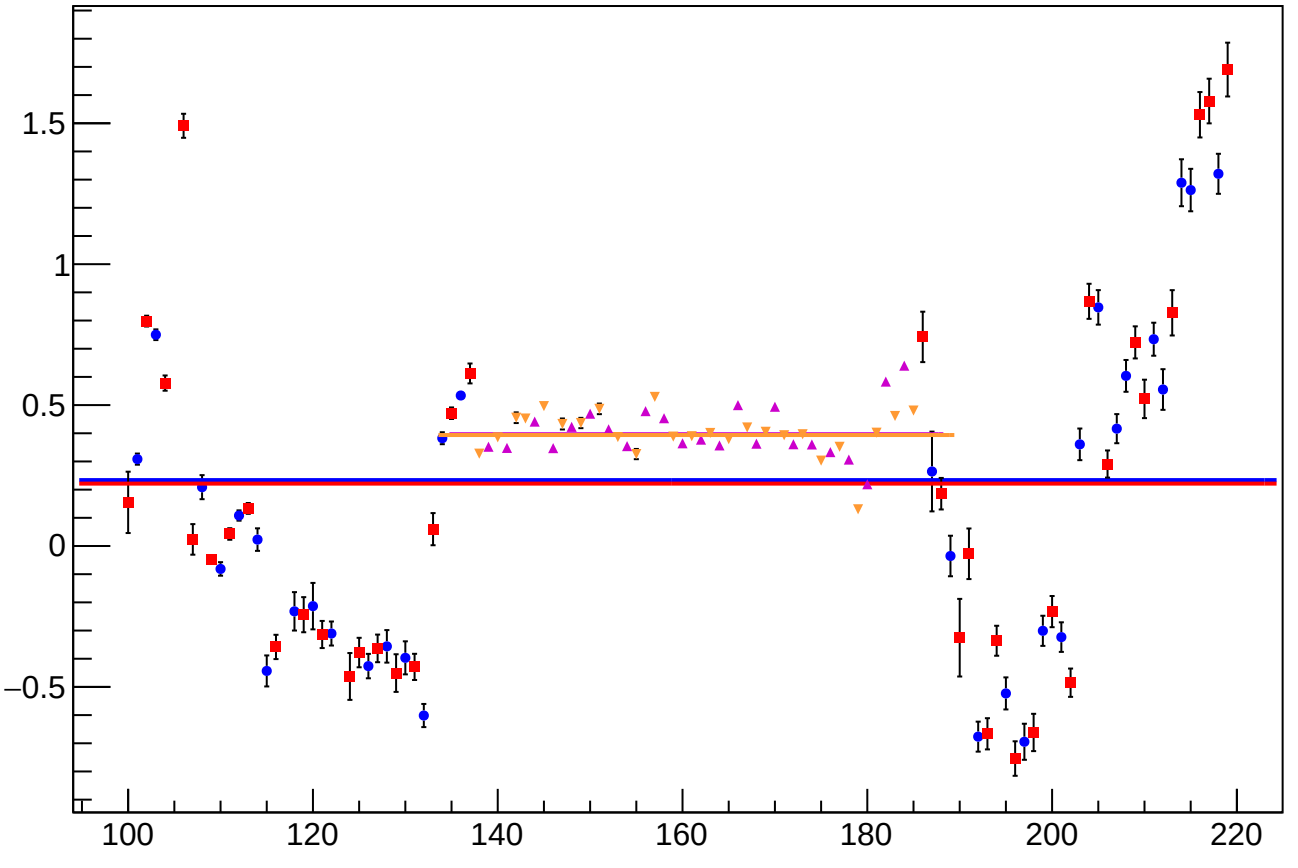
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.687+/-0.084 χ^2/NDF: 1902.4/68

In: -19.591+/-0.053 χ^2/NDF:6062.6/54

Out: -19.630+/-0.051 χ^2/NDF:8614.4/61

All: -19.611+/-0.037 χ^2/NDF: 14677.2/116



Right In: 0.234+/-0.006 χ^2/NDF: 4375.4/31

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.221+/-0.006 χ^2/NDF: 5779.6/36

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

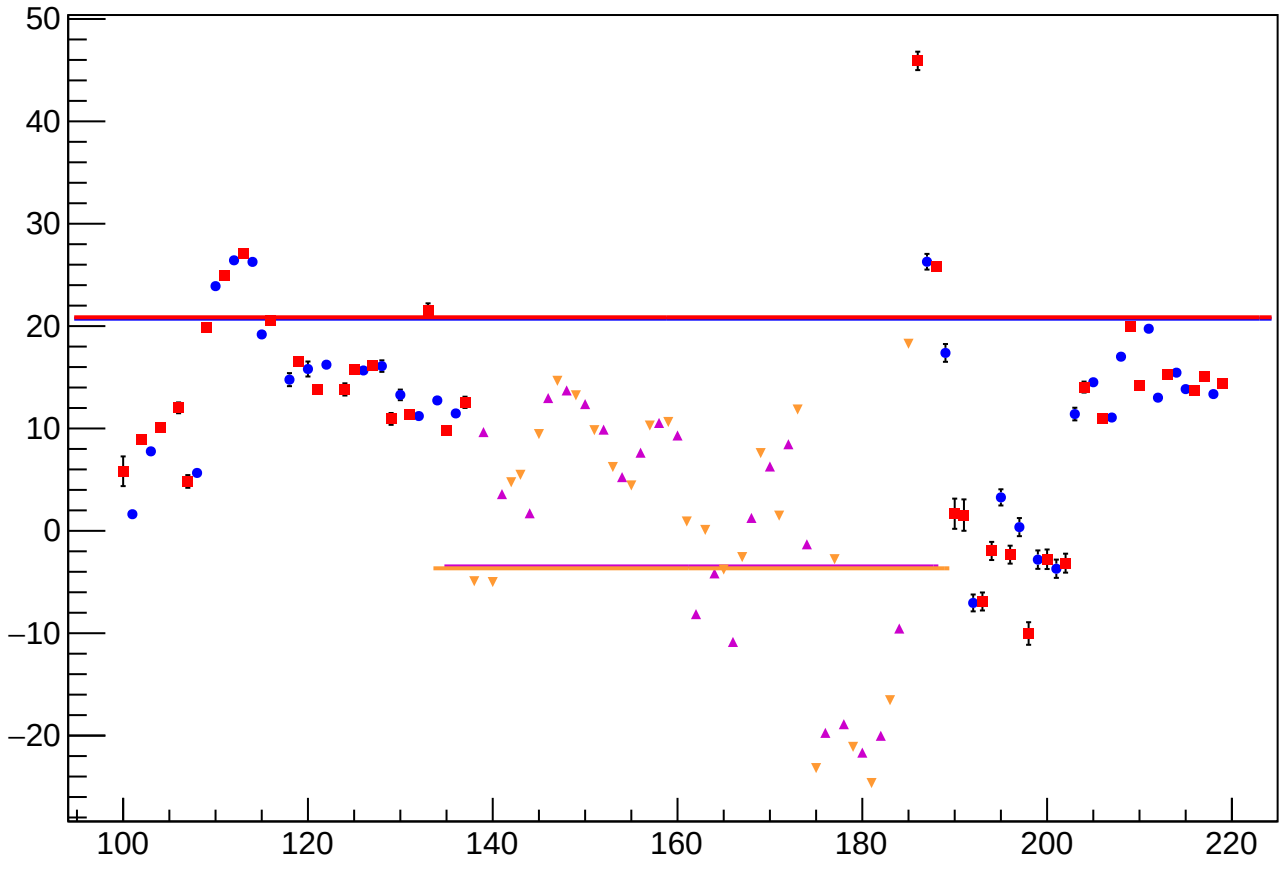
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.228+/-0.005 χ^2/NDF: 10156.9/68

In: 0.373+/-0.002 χ^2/NDF:6220.2/54

Out: 0.370+/-0.002 χ^2/NDF:7347.1/61

All: 0.372+/-0.002 χ^2/NDF: 13568.1/116



Right In: 20.727+/-0.051 χ^2/NDF: 19318.4/31

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 20.860+/-0.043 χ^2/NDF: 19131.7/36

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

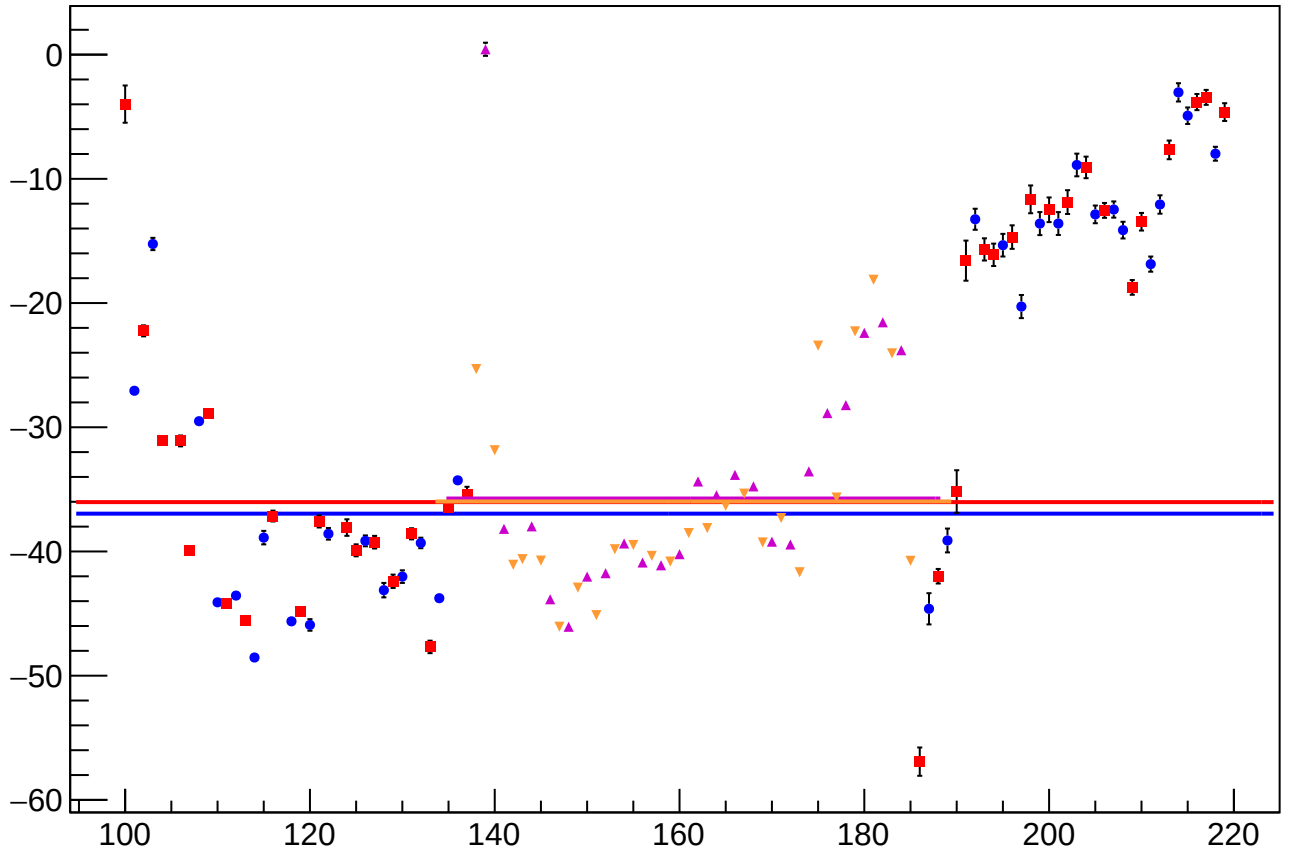
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

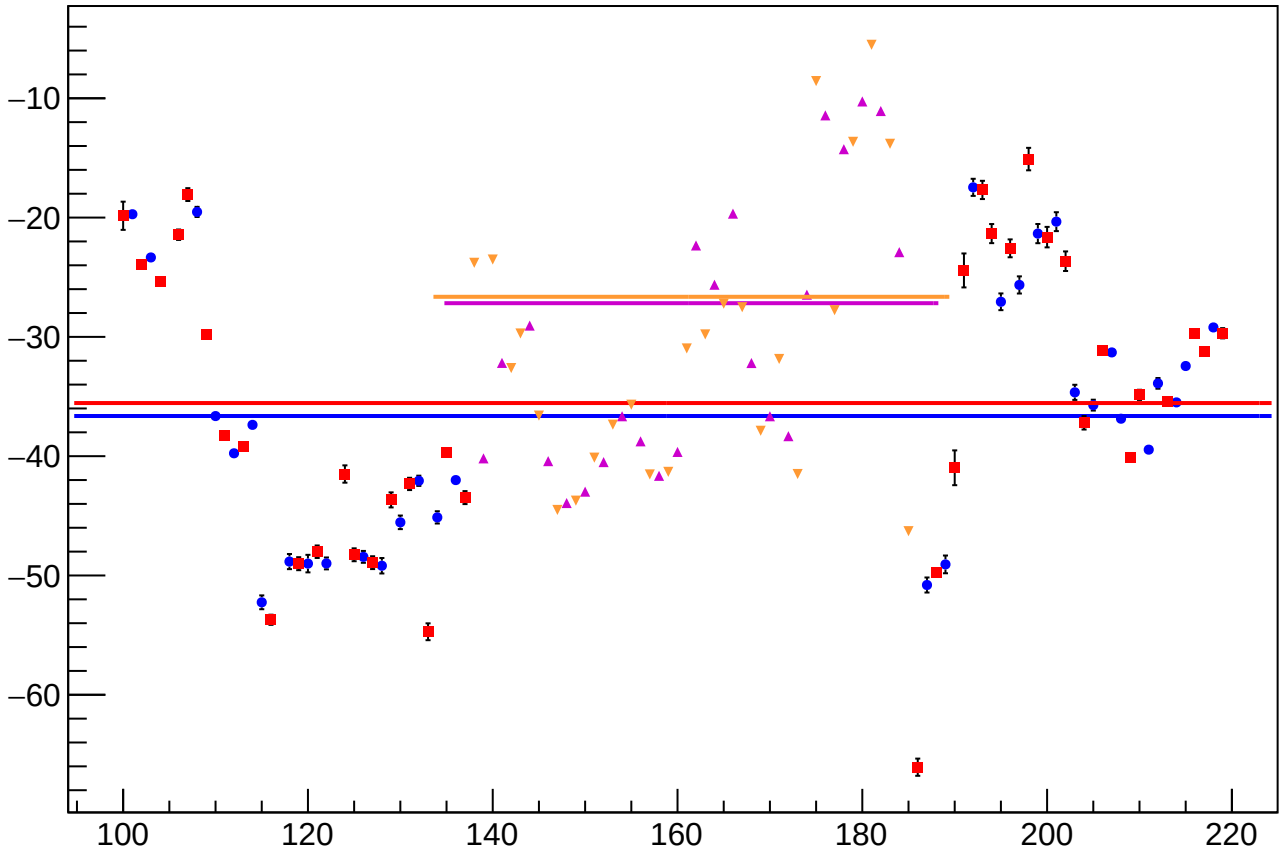
Right: 20.805+/-0.033 χ^2/NDF: 38454.1/68

In: 10.042+/-0.038 χ^2/NDF:163667.4/54

Out: 11.450+/-0.034 χ^2/NDF:200443.3/61

All: 10.831+/-0.025 χ^2/NDF: 364874.1/116


reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
120
140
160
180
200
220
Right In: -36.955+/-0.071 χ²/NDF: 27153.0/31
Left Out: -35.973+/-0.042 χ²/NDF:33609.3/24
Right Out: -36.026+/-0.066 χ²/NDF: 28714.6/36
Left In: -35.737+/-0.045 χ²/NDF:27154.8/22
Left: -35.862+/-0.031 χ²/NDF: 60778.7/47
Right: -36.460+/-0.049 χ²/NDF: 55958.8/68
In: -36.086+/-0.038 χ²/NDF:54517.9/54
Out: -35.988+/-0.036 χ²/NDF:62324.3/61
All: -36.034+/-0.026 χ²/NDF: 116845.7/116



Right In: -36.633+/-0.063 χ^2/NDF: 14628.2/31

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.546+/-0.056 χ^2/NDF: 19999.3/36

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

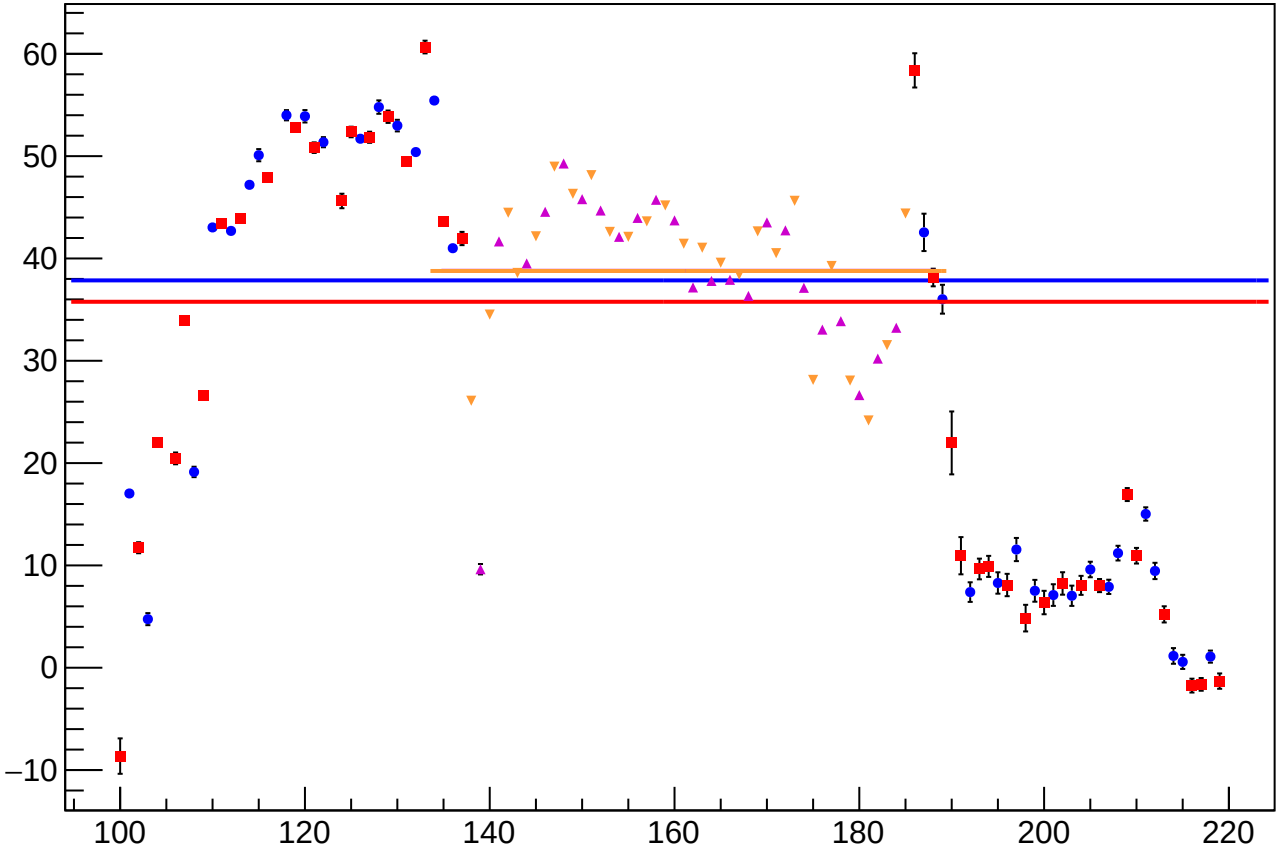
Right: -36.032+/-0.042 χ^2/NDF: 34792.9/68

In: -31.463+/-0.042 χ^2/NDF:67999.5/54

Out: -30.942+/-0.039 χ^2/NDF:82915.5/61

All: -31.183+/-0.029 χ^2/NDF: 150996.5/116

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 37.857+/-0.079 χ^2/NDF: 39182.7/31

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 35.767+/-0.073 χ^2/NDF: 39803.4/36

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

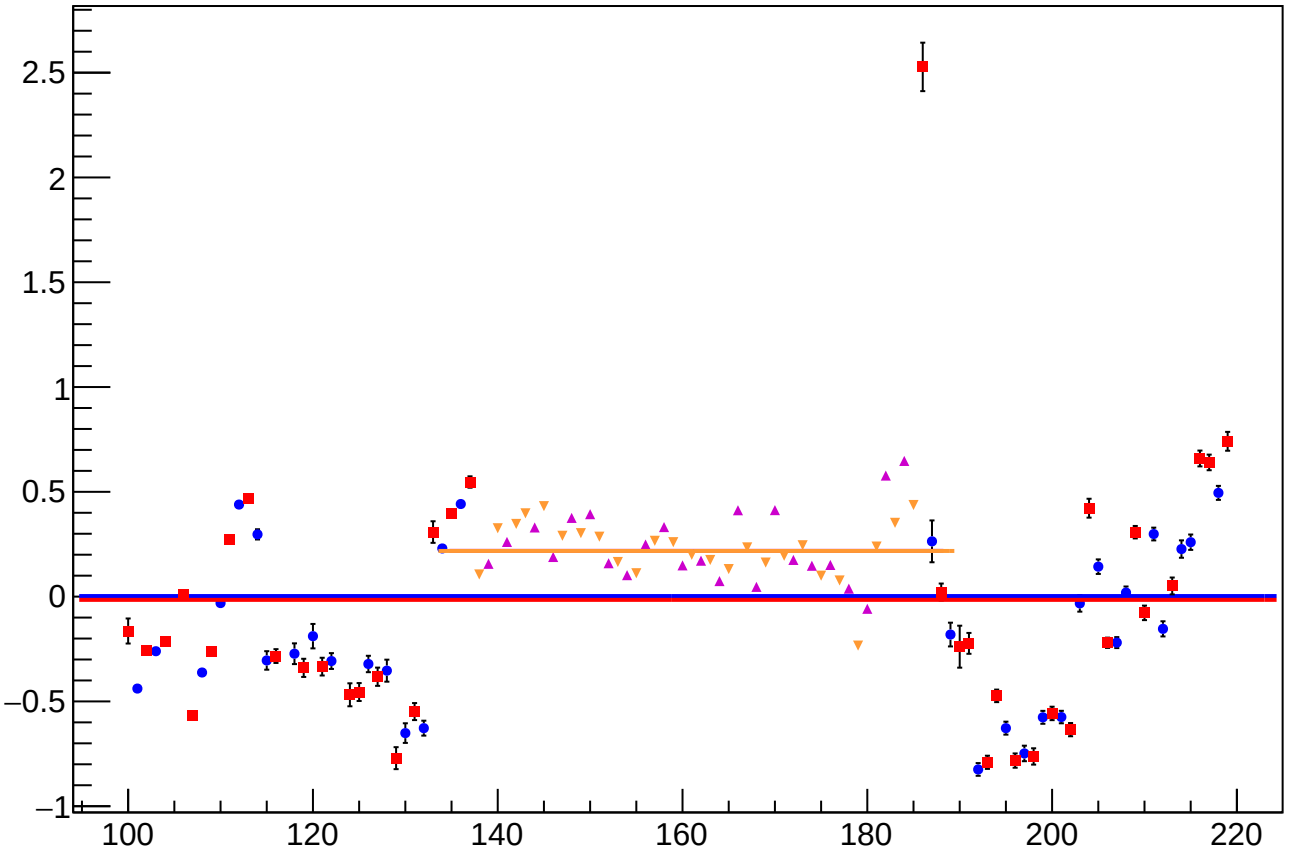
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 36.735+/-0.054 χ^2/NDF: 79363.4/68

In: 38.522+/-0.042 χ^2/NDF:55523.4/54

Out: 37.880+/-0.040 χ^2/NDF:62060.8/61

All: 38.182+/-0.029 χ^2/NDF: 117705.8/116



Right In: 0.003+/-0.004 χ^2/NDF: 8473.0/31

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.015+/-0.004 χ^2/NDF: 10569.5/36

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

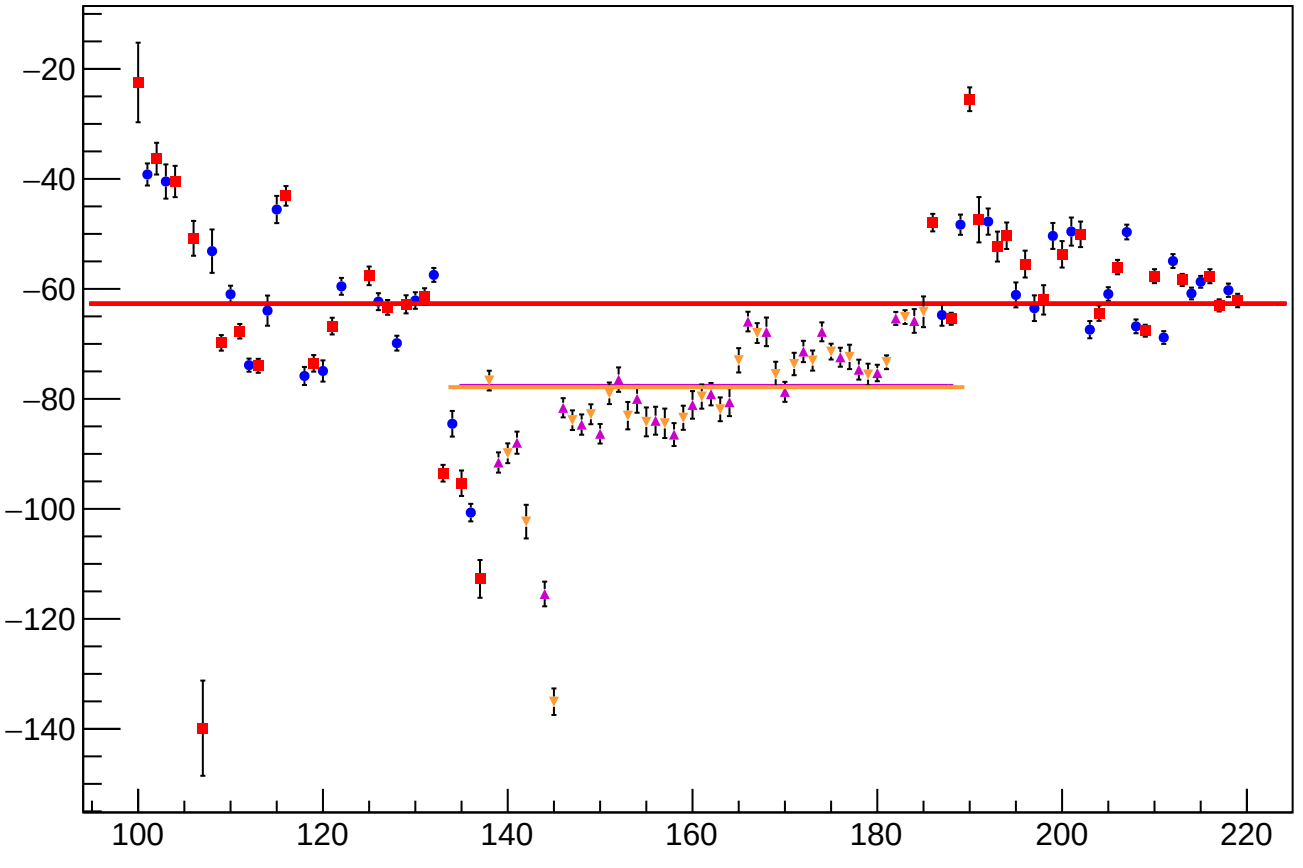
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: -0.007+/-0.003 χ^2/NDF: 19052.5/68

In: 0.171+/-0.002 χ^2/NDF:15829.6/54

Out: 0.164+/-0.002 χ^2/NDF:17381.4/61

All: 0.167+/-0.001 χ^2/NDF: 33218.3/116



Right In: -62.707+/-0.277 χ^2/NDF: 1497.5/31

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -62.619+/-0.271 χ^2/NDF: 1990.6/35

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

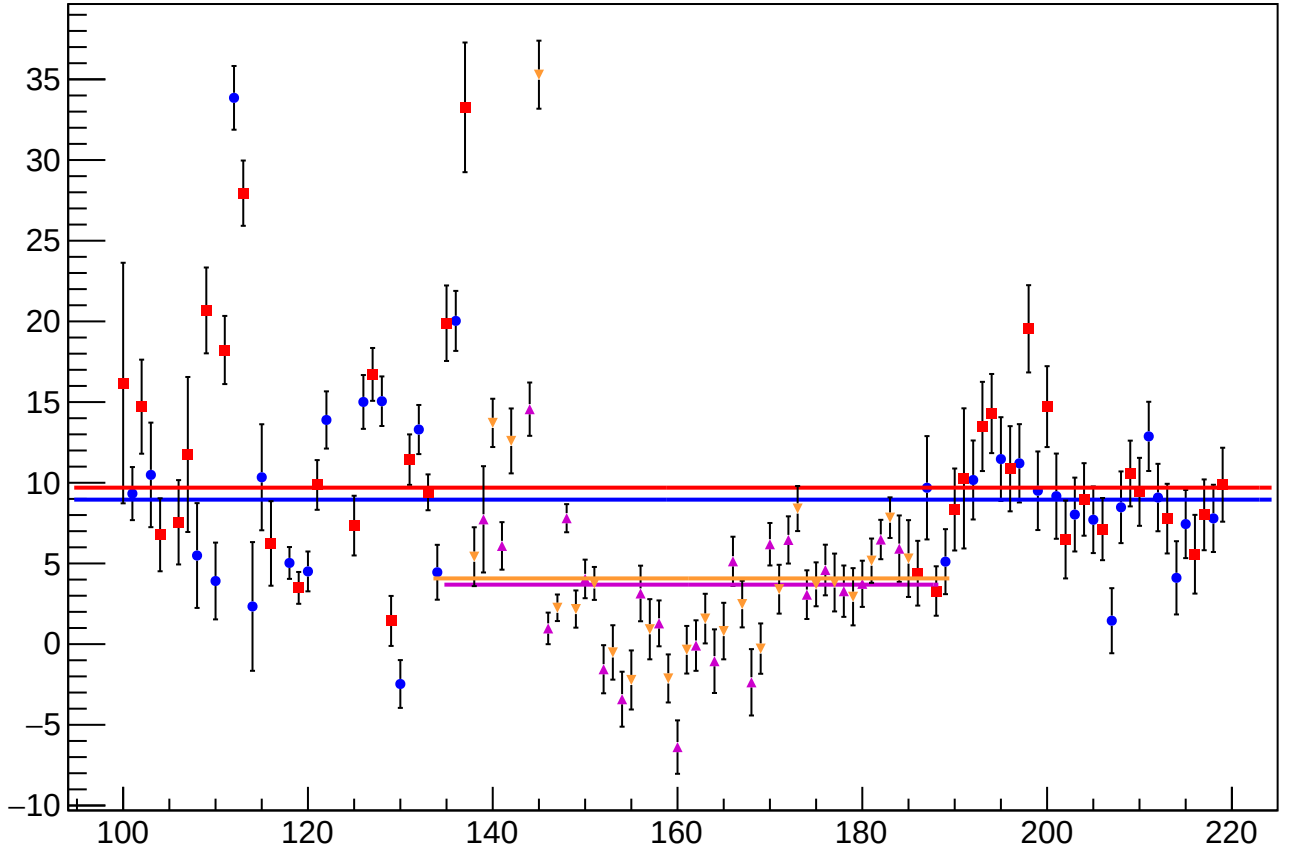
Right: -62.662+/-0.194 χ^2/NDF: 3488.1/67

In: -67.616+/-0.227 χ^2/NDF:3143.7/54

Out: -67.508+/-0.223 χ^2/NDF:3939.9/59

All: -67.561+/-0.159 χ^2/NDF: 7083.7/114

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 8.954+/-0.342 χ^2/NDF: 372.4/31

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.697+/-0.338 χ^2/NDF: 321.2/35

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

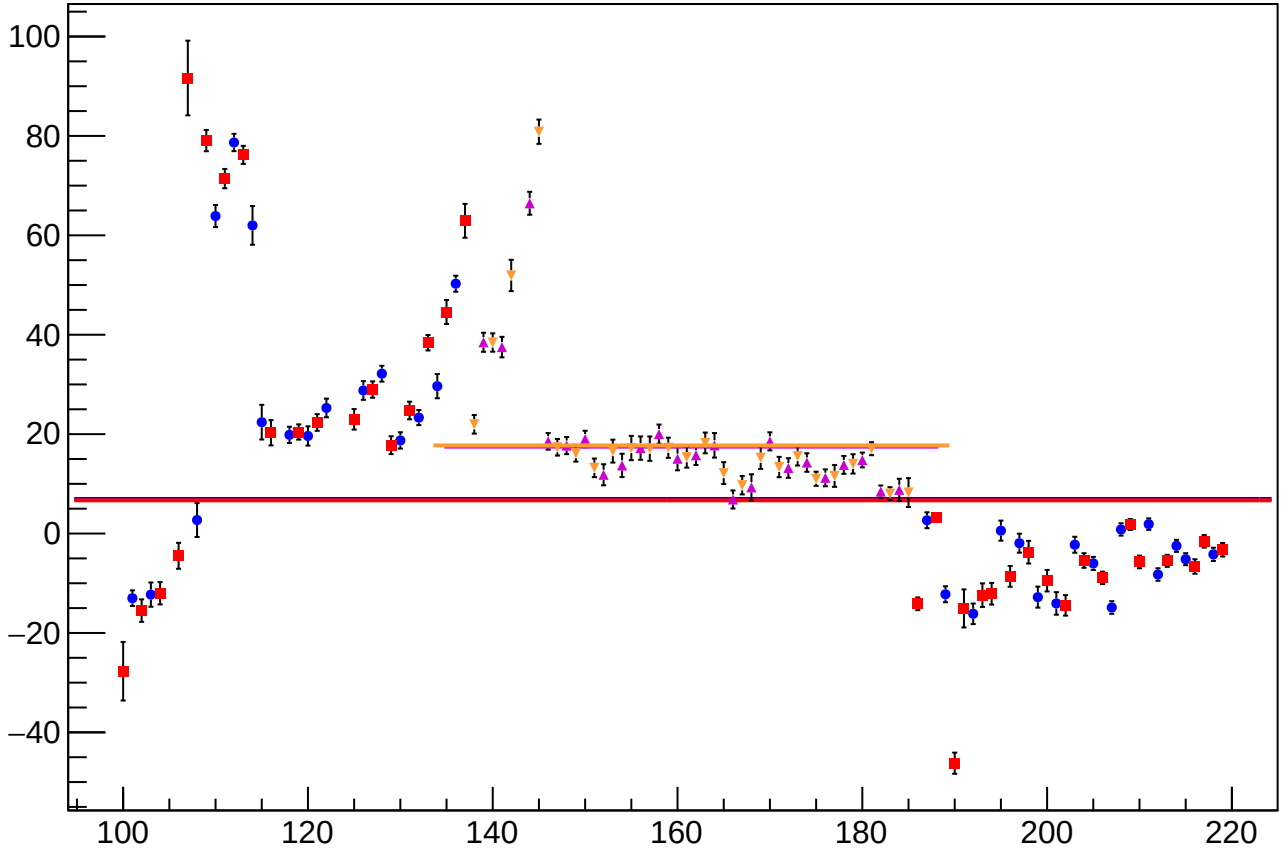
Right: 9.330+/-0.240 χ^2/NDF: 696.0/67

In: 5.994+/-0.226 χ^2/NDF:688.6/54

Out: 6.525+/-0.223 χ^2/NDF:848.3/59

All: 6.263+/-0.159 χ^2/NDF: 1539.7/114

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.958+/-0.291 χ^2/NDF: 5673.2/31

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 6.689+/-0.283 χ^2/NDF: 7502.7/35

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

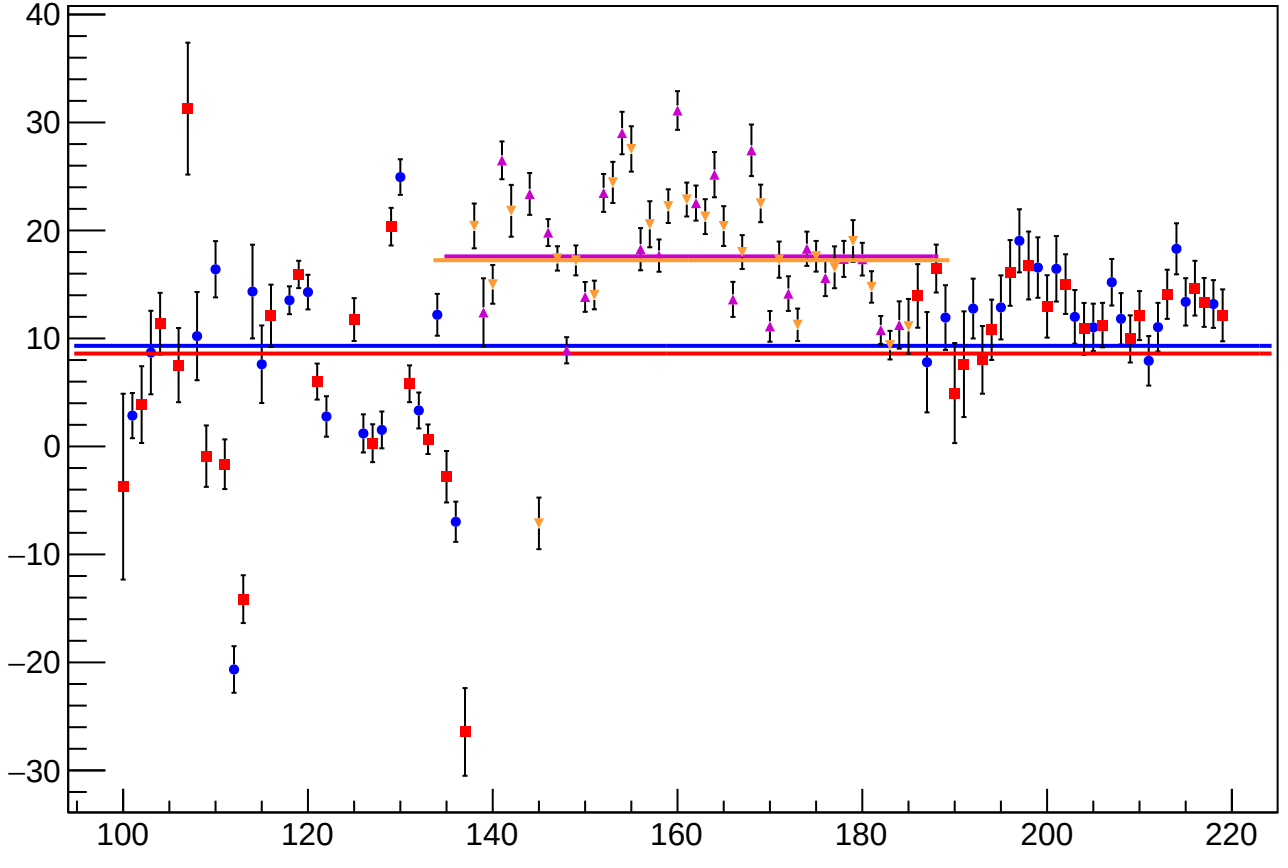
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 6.819+/-0.203 χ^2/NDF: 13176.4/67

In: 10.698+/-0.234 χ^2/NDF:6957.8/54

Out: 10.477+/-0.229 χ^2/NDF:9083.8/59

All: 10.585+/-0.164 χ^2/NDF: 16042.1/114



Right In: 9.315+/-0.390 χ^2/NDF: 527.1/31

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 8.600+/-0.389 χ^2/NDF: 457.7/35

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

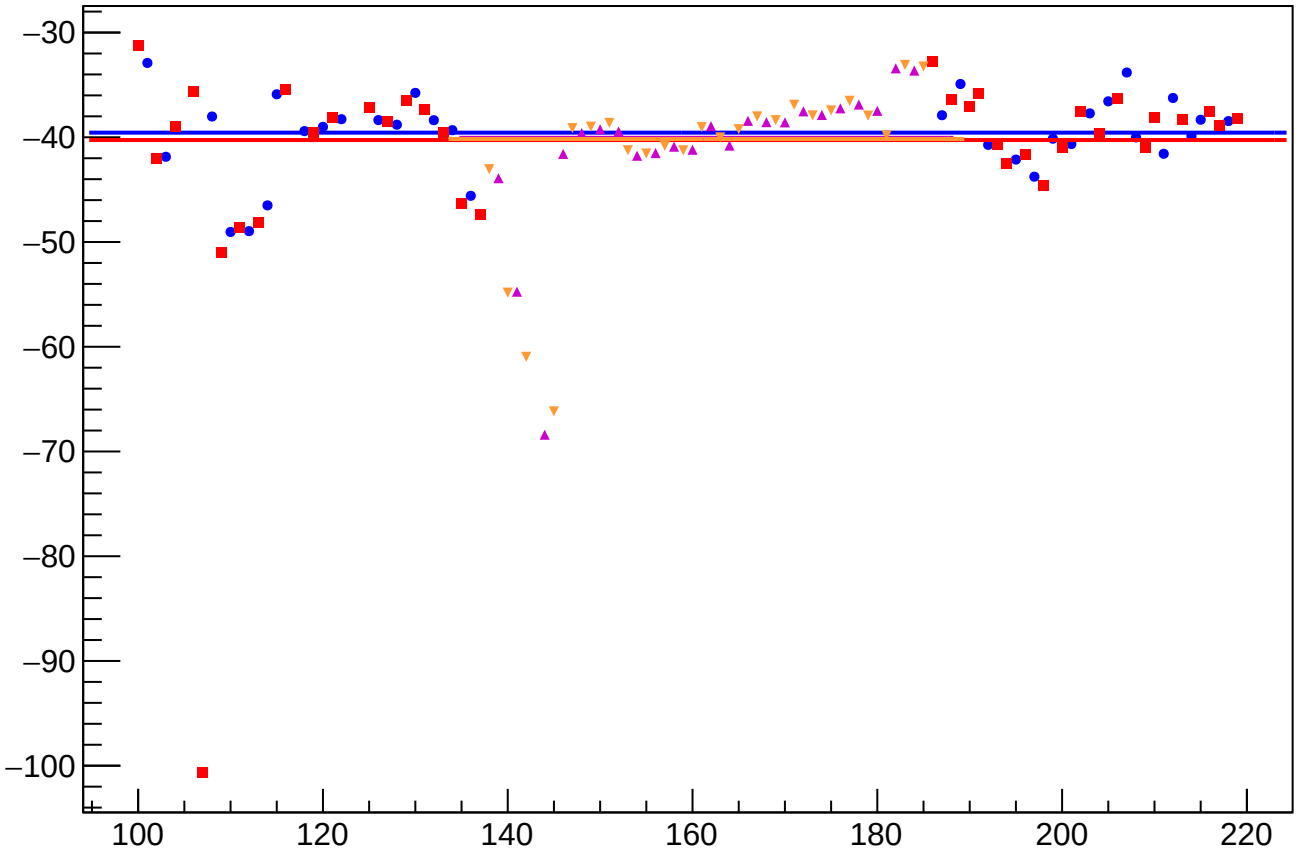
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 8.957+/-0.276 χ^2/NDF: 986.5/67

In: 13.996+/-0.257 χ^2/NDF:1091.4/54

Out: 13.528+/-0.255 χ^2/NDF:999.6/59

All: 13.760+/-0.181 χ^2/NDF: 2092.7/114



Right In: -39.557+/-0.020 χ^2/NDF: 33930.5/31

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.263+/-0.019 χ^2/NDF: 74185.7/35

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

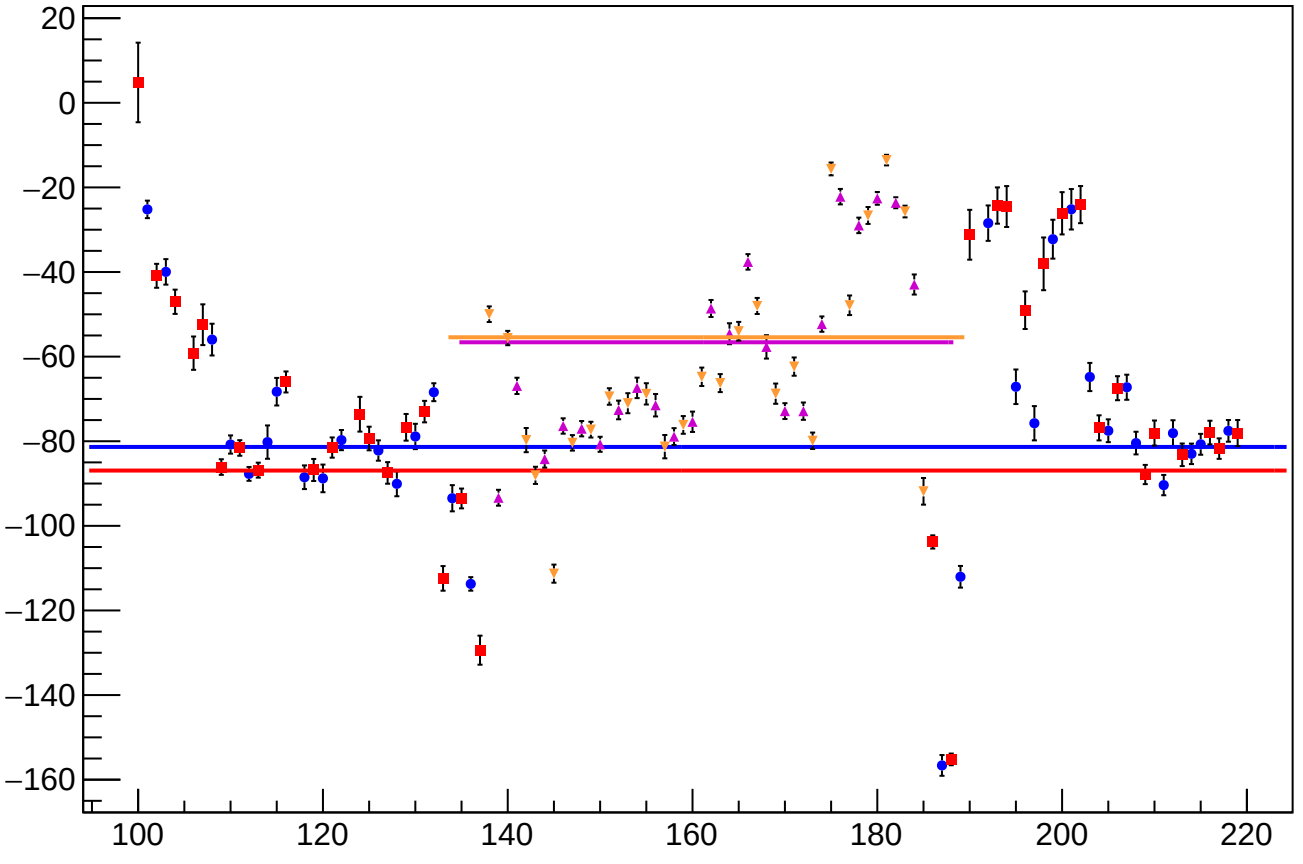
Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

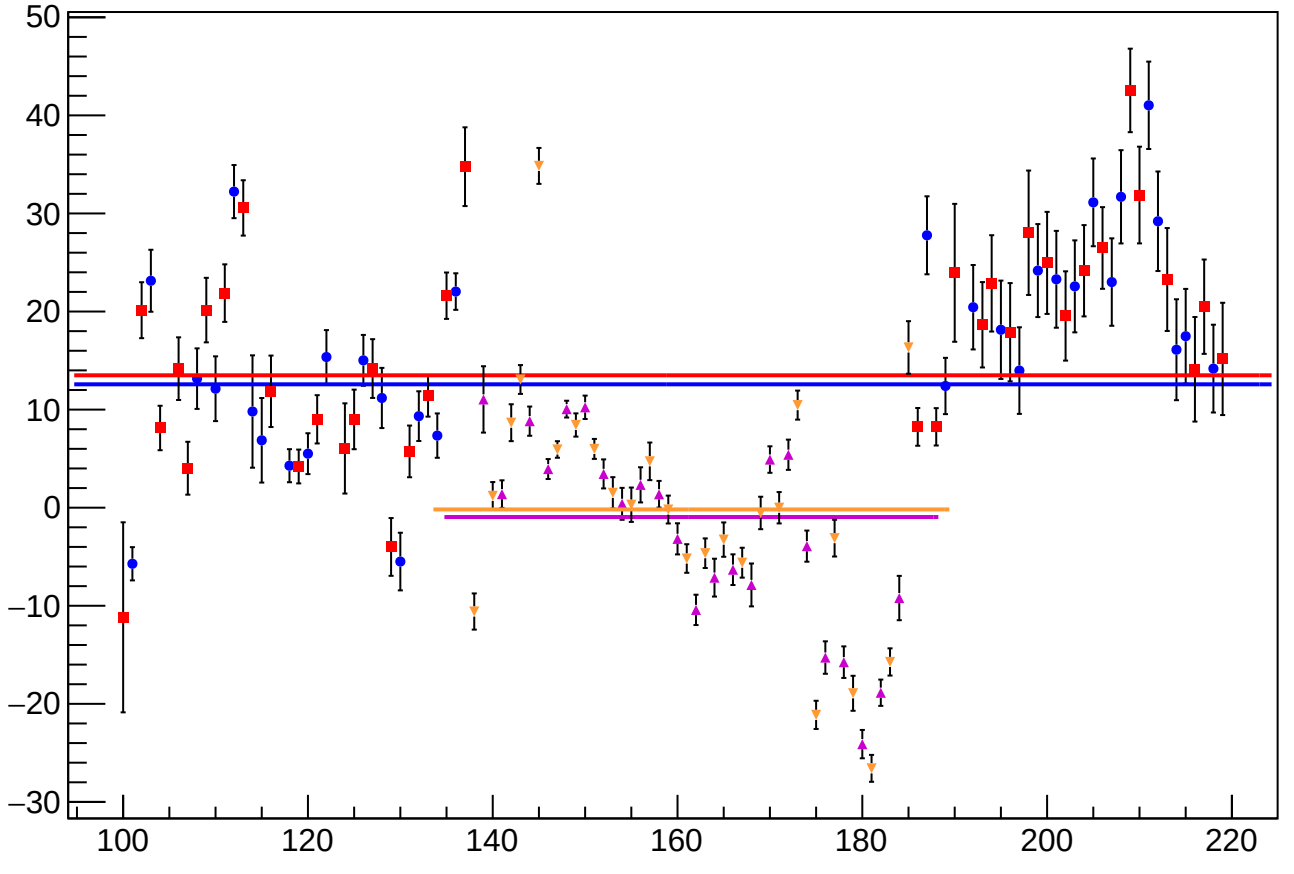
Right: -39.913+/-0.014 χ^2/NDF: 108770.7/67

In: -39.862+/-0.012 χ^2/NDF:170760.5/54

Out: -40.203+/-0.012 χ^2/NDF:237537.3/59

All: -40.032+/-0.009 χ^2/NDF: 408695.0/114


reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
120
140
160
180
200
220
Right In: -81.347+/-0.471 χ²/NDF: 3064.6/31
Left Out: -55.424+/-0.393 χ²/NDF:4525.3/24
Right Out: -86.930+/-0.445 χ²/NDF: 4640.8/35
Left In: -56.609+/-0.404 χ²/NDF:3350.3/22
Left: -56.001+/-0.282 χ²/NDF: 7880.0/47
Right: -84.298+/-0.323 χ²/NDF: 7779.7/67
In: -67.094+/-0.306 χ²/NDF:8006.0/54
Out: -69.255+/-0.295 χ²/NDF:11983.4/60
All: -68.217+/-0.212 χ²/NDF: 20015.2/115



Right In: 12.579+/-0.541 χ^2/NDF: 417.4/31

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 13.498+/-0.525 χ^2/NDF: 317.1/35

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

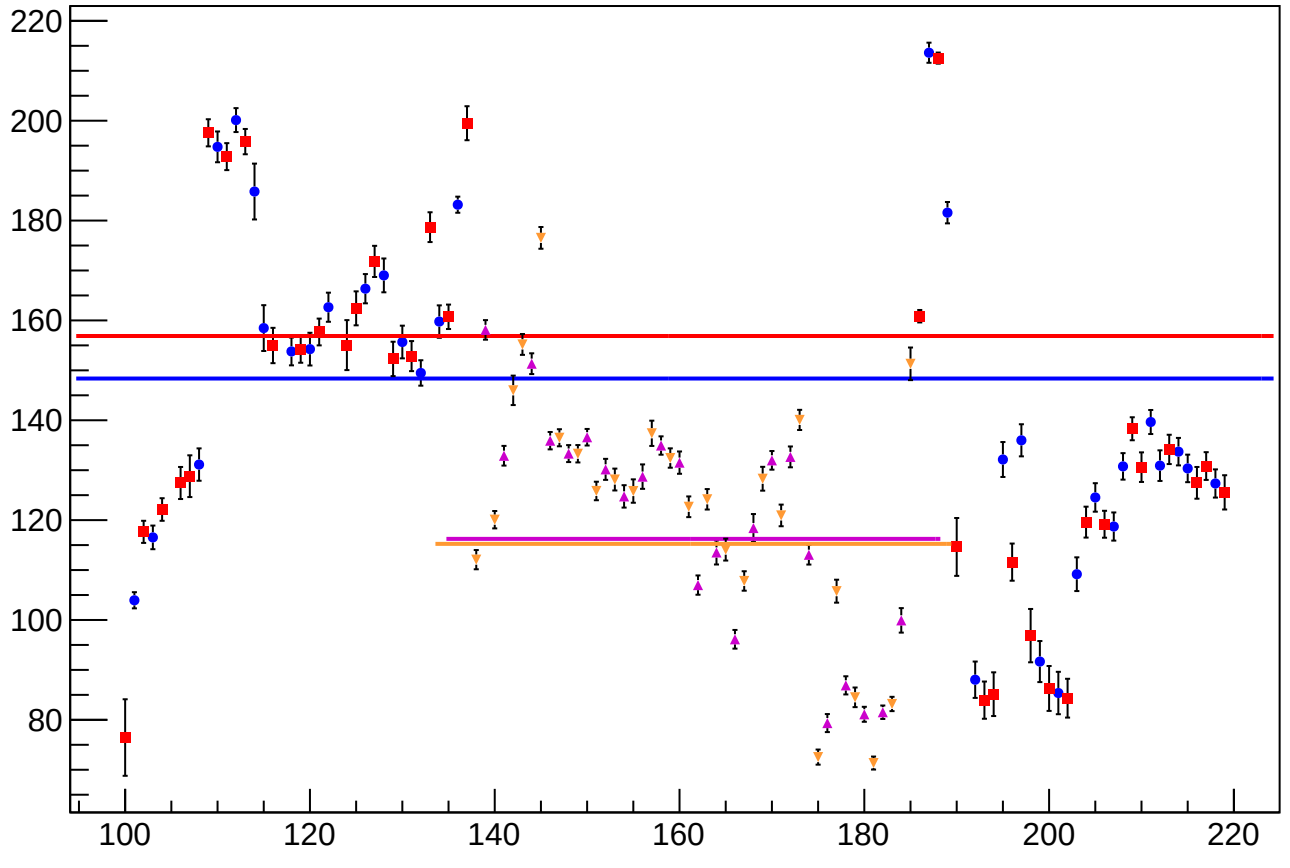
Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

Right: 13.052+/-0.377 χ^2/NDF: 736.0/67

In: 2.296+/-0.265 χ^2/NDF:1962.3/54

Out: 3.084+/-0.257 χ^2/NDF:2431.5/60

All: 2.702+/-0.184 χ^2/NDF: 4398.3/115



Right In: 148.361+/-0.484 χ^2/NDF: 4835.0/31

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 156.877+/-0.449 χ^2/NDF: 6568.5/35

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

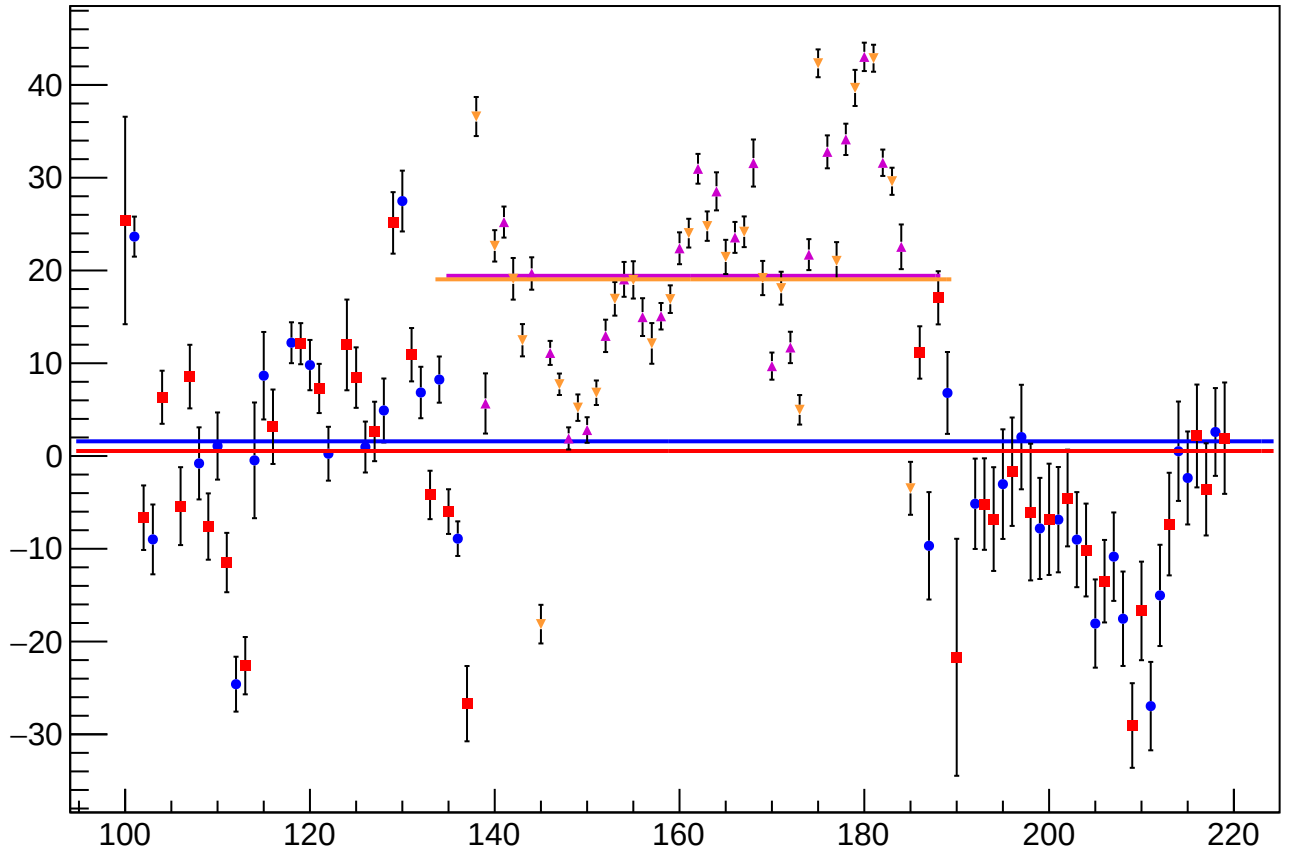
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 152.937+/-0.329 χ^2/NDF: 11569.6/67

In: 129.236+/-0.308 χ^2/NDF:11090.6/54

Out: 133.145+/-0.295 χ^2/NDF:16296.7/60

All: 131.277+/-0.213 χ^2/NDF: 27471.5/115



Right In: 1.584+/-0.624 χ^2/NDF: 432.9/31

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 0.541+/-0.618 χ^2/NDF: 392.7/35

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

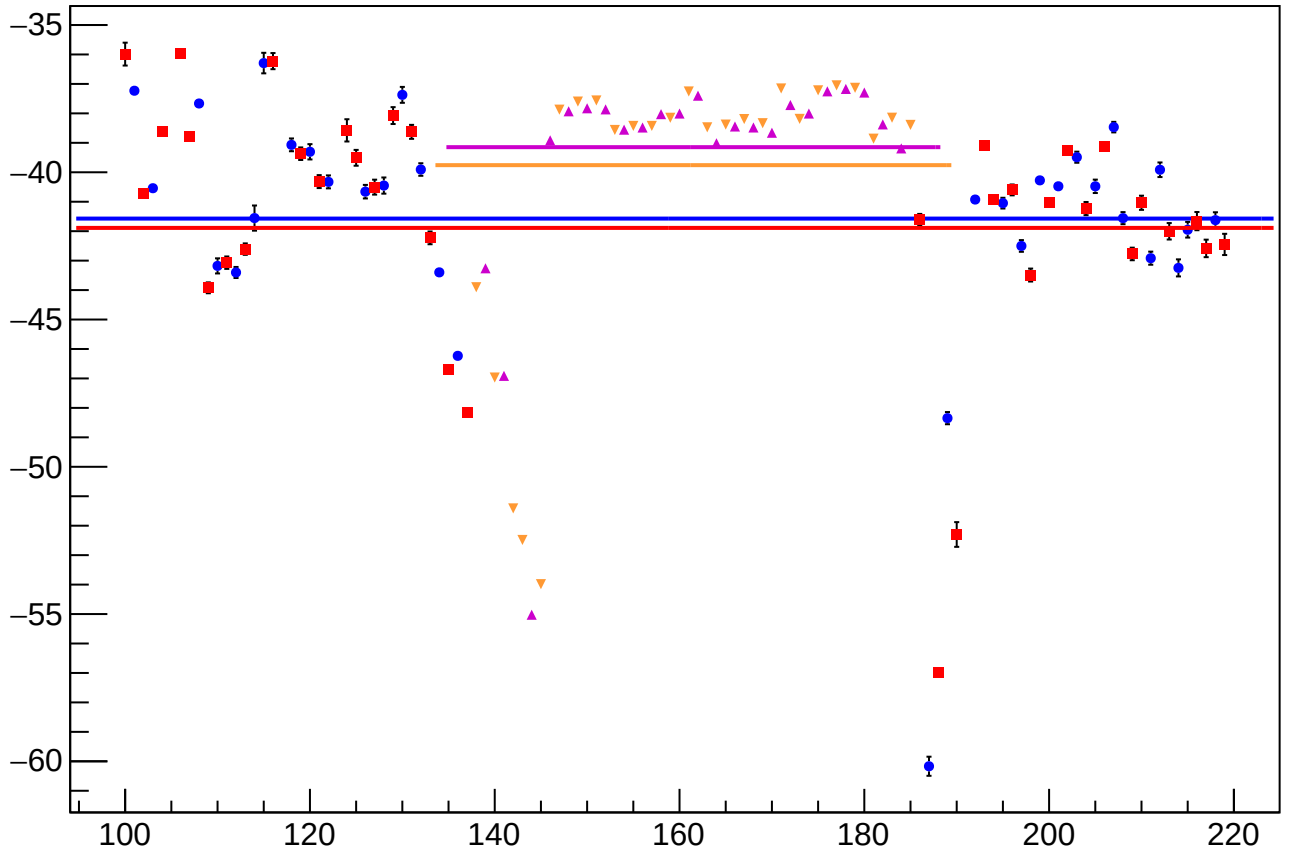
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

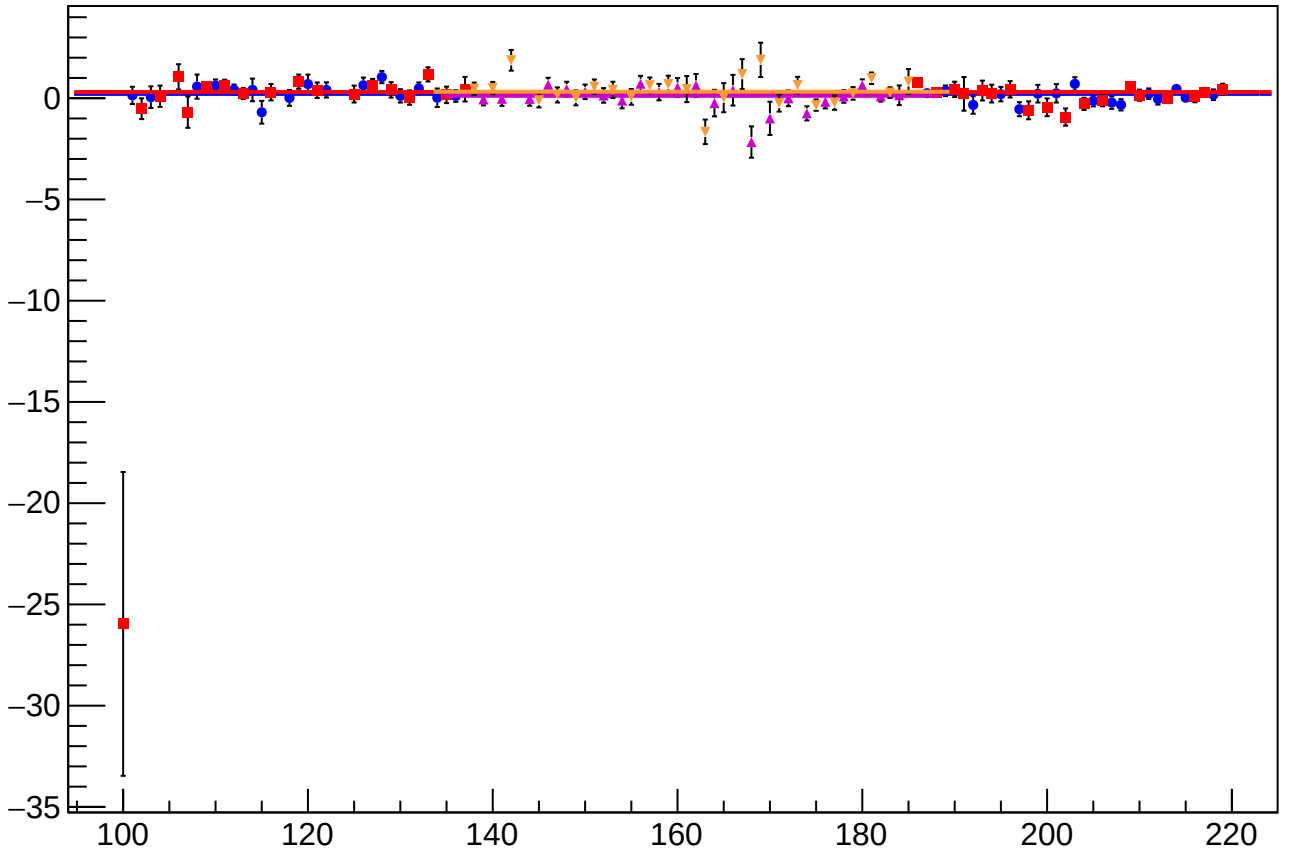
Right: 1.058+/-0.439 χ^2/NDF: 827.0/67

In: 15.231+/-0.302 χ^2/NDF:2136.2/54

Out: 14.826+/-0.295 χ^2/NDF:2629.6/60

All: 15.024+/-0.211 χ^2/NDF: 4766.7/115


reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected
−35
−40
−45
−50
−55
−60
100
120
140
160
180
200
220
Right In: -41.572+/-0.030 χ²/NDF: 13007.5/31
Left Out: -39.758+/-0.015 χ²/NDF:81865.0/24
Right Out: -41.889+/-0.031 χ²/NDF: 19771.1/35
Left In: -39.147+/-0.016 χ²/NDF:46907.5/22
Left: -39.456+/-0.011 χ²/NDF: 129547.1/47
Right: -41.729+/-0.022 χ²/NDF: 32832.1/67
In: -39.652+/-0.014 χ²/NDF:64933.8/54
Out: -40.187+/-0.014 χ²/NDF:105476.6/60
All: -39.921+/-0.010 χ²/NDF: 171160.1/115



Right In: 0.214+/-0.057 χ^2/NDF: 36.1/31

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.304+/-0.052 χ^2/NDF: 64.6/35

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

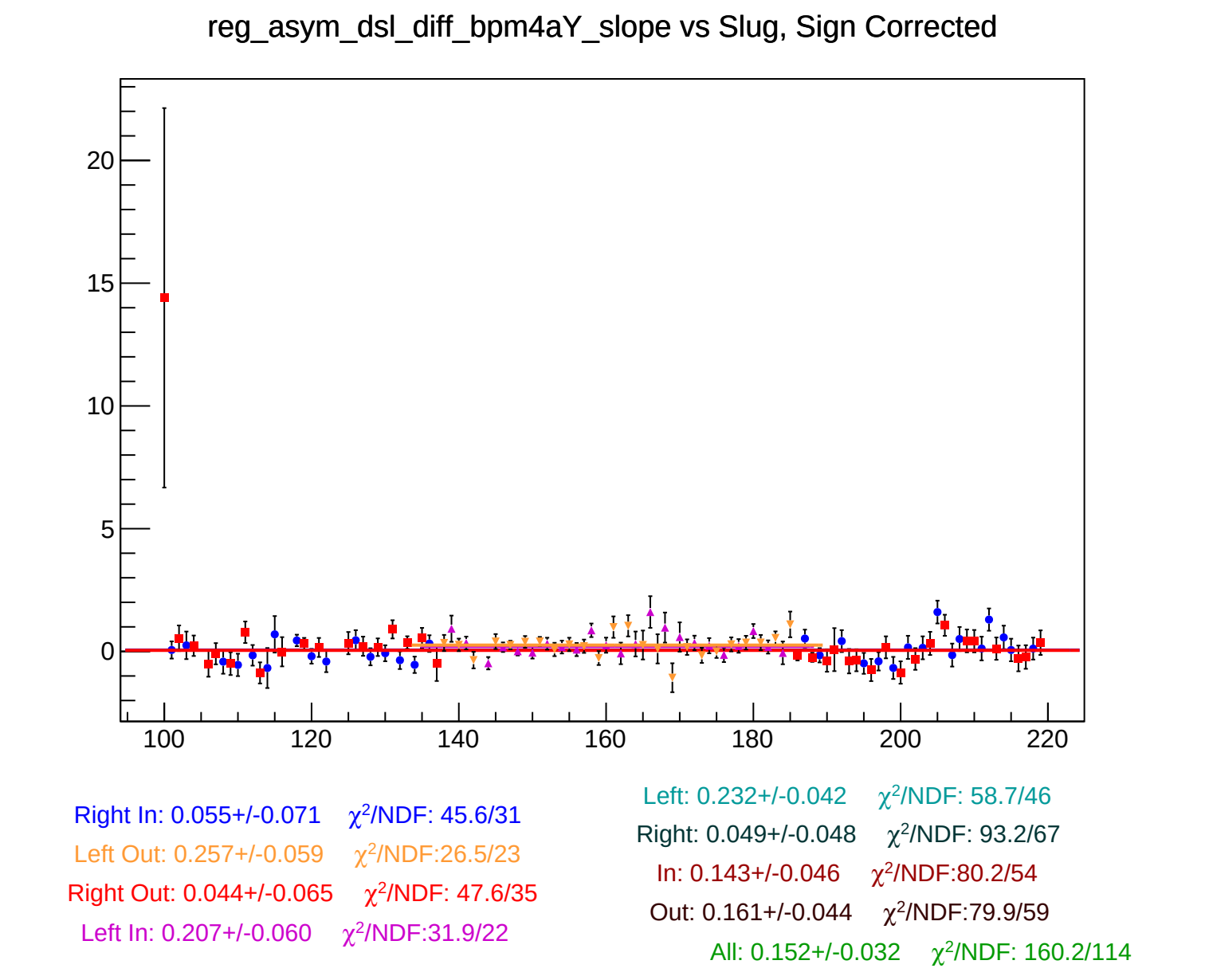
Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

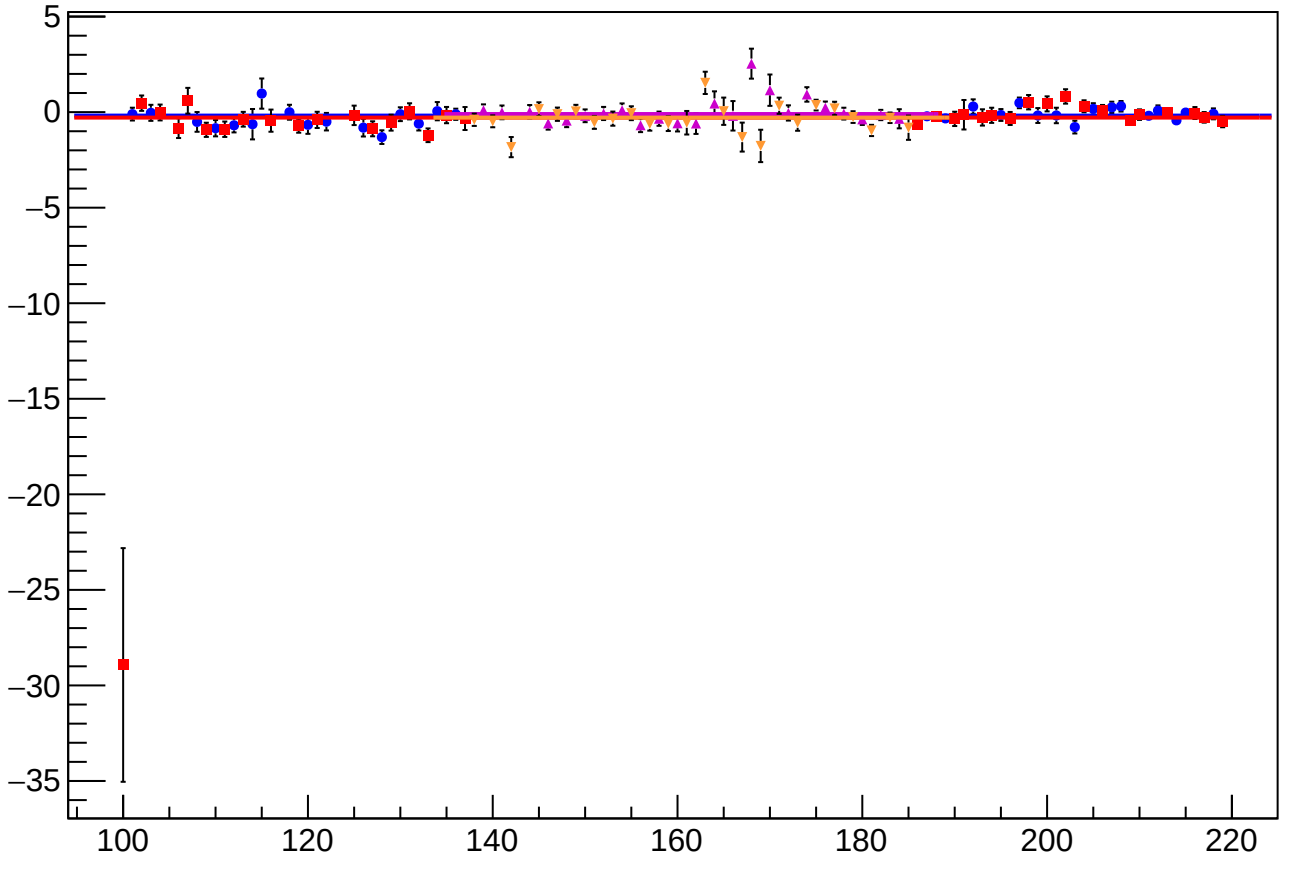
Right: 0.263+/-0.038 χ^2/NDF: 102.1/67

In: 0.182+/-0.046 χ^2/NDF:67.0/54

Out: 0.309+/-0.043 χ^2/NDF:111.5/59

All: 0.250+/-0.032 χ^2/NDF: 182.6/114


reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
100
120
140
160
180
200
220
Right In: 0.055+/-0.071 χ²/NDF: 45.6/31
Left Out: 0.257+/-0.059 χ²/NDF:26.5/23
Right Out: 0.044+/-0.065 χ²/NDF: 47.6/35
Left In: 0.207+/-0.060 χ²/NDF:31.9/22
Left: 0.232+/-0.042 χ²/NDF: 58.7/46
Right: 0.049+/-0.048 χ²/NDF: 93.2/67
In: 0.143+/-0.046 χ²/NDF:80.2/54
Out: 0.161+/-0.044 χ²/NDF:79.9/59
All: 0.152+/-0.032 χ²/NDF: 160.2/114



Right In: -0.182+/-0.057 χ^2/NDF: 42.4/31

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.286+/-0.051 χ^2/NDF: 77.9/35

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

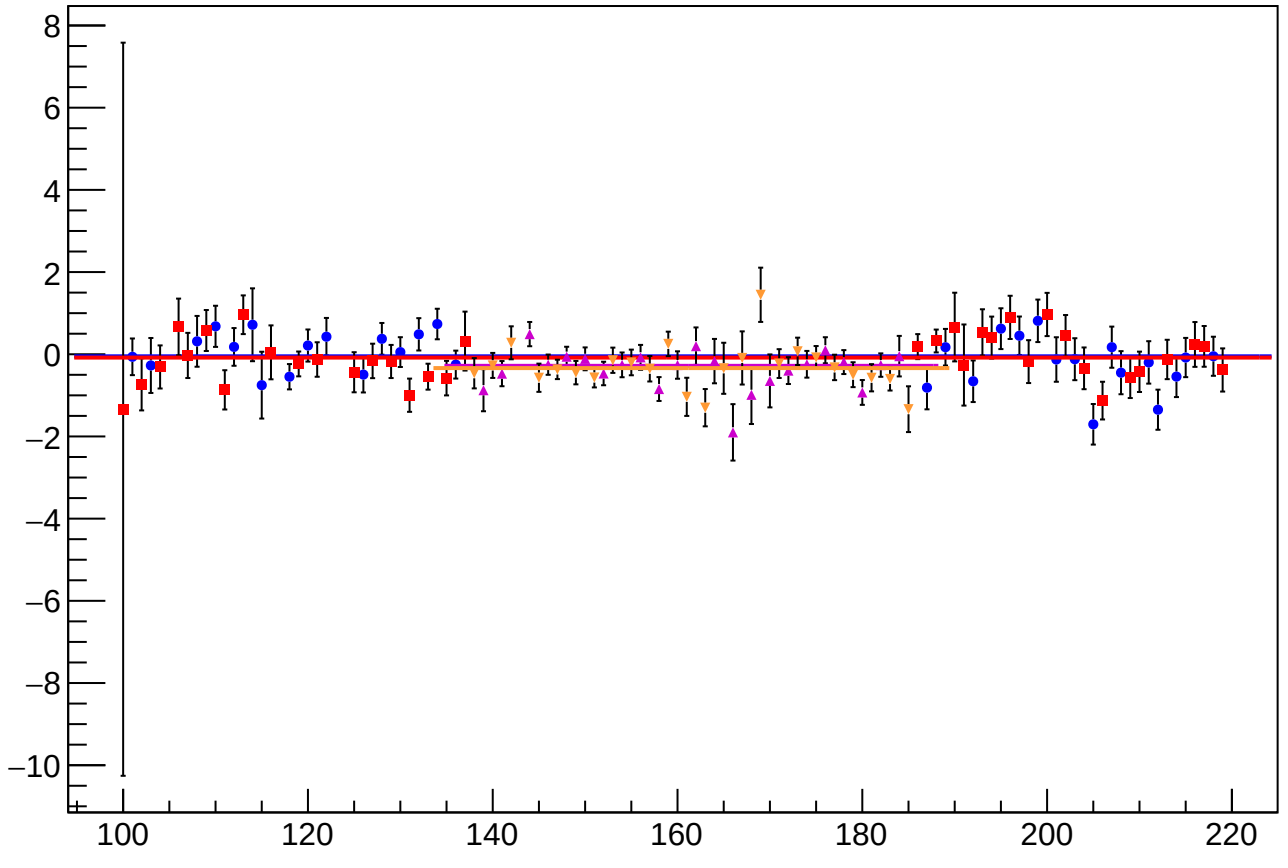
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.240+/-0.038 χ^2/NDF: 122.2/67

In: -0.153+/-0.046 χ^2/NDF:76.4/54

Out: -0.286+/-0.042 χ^2/NDF:122.9/59

All: -0.226+/-0.031 χ^2/NDF: 203.8/114



Right In: -0.050+/-0.082 χ^2/NDF: 47.2/31

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.081+/-0.078 χ^2/NDF: 44.0/35

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

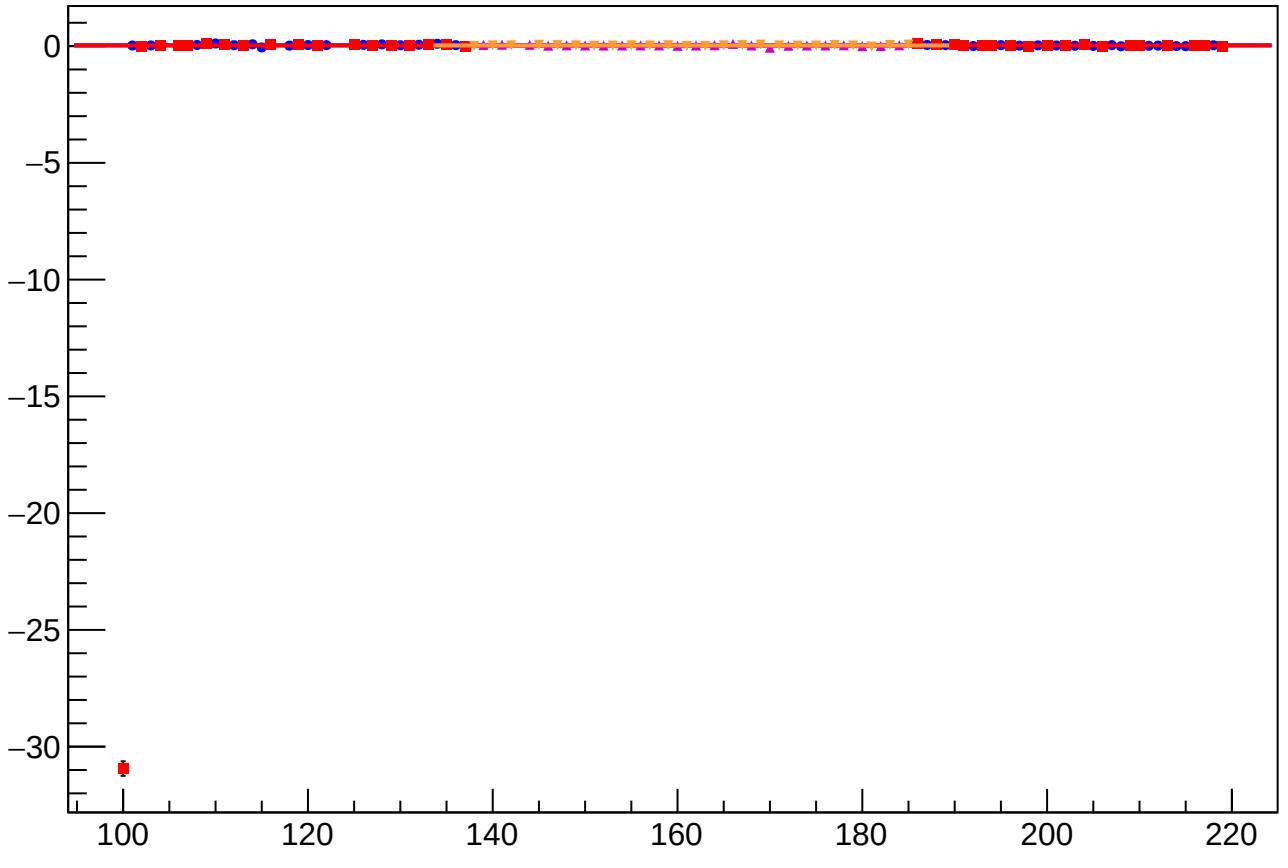
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.066+/-0.056 χ^2/NDF: 91.3/67

In: -0.185+/-0.053 χ^2/NDF:80.9/54

Out: -0.227+/-0.051 χ^2/NDF:80.2/59

All: -0.207+/-0.037 χ^2/NDF: 161.5/114



Right In: 0.033+/-0.004 χ^2/NDF: 40.6/31

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.030+/-0.004 χ^2/NDF: 10058.6/35

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

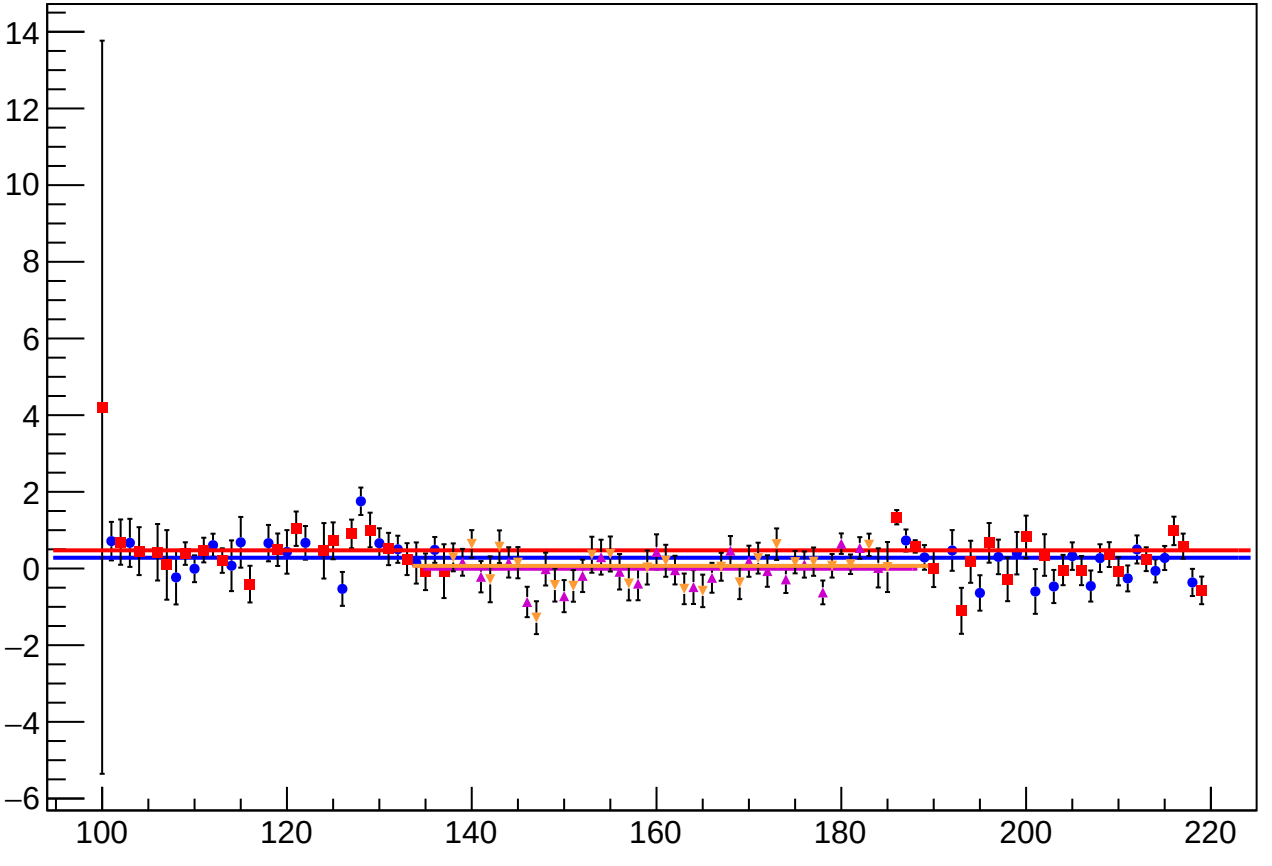
Right: 0.031+/-0.003 χ^2/NDF: 10099.6/67

In: 0.031+/-0.002 χ^2/NDF:79.9/54

Out: 0.029+/-0.002 χ^2/NDF:10086.2/59

All: 0.030+/-0.002 χ^2/NDF: 10166.6/114

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.281+/-0.071 χ^2/NDF: 50.2/31

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.474+/-0.064 χ^2/NDF: 60.7/35

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

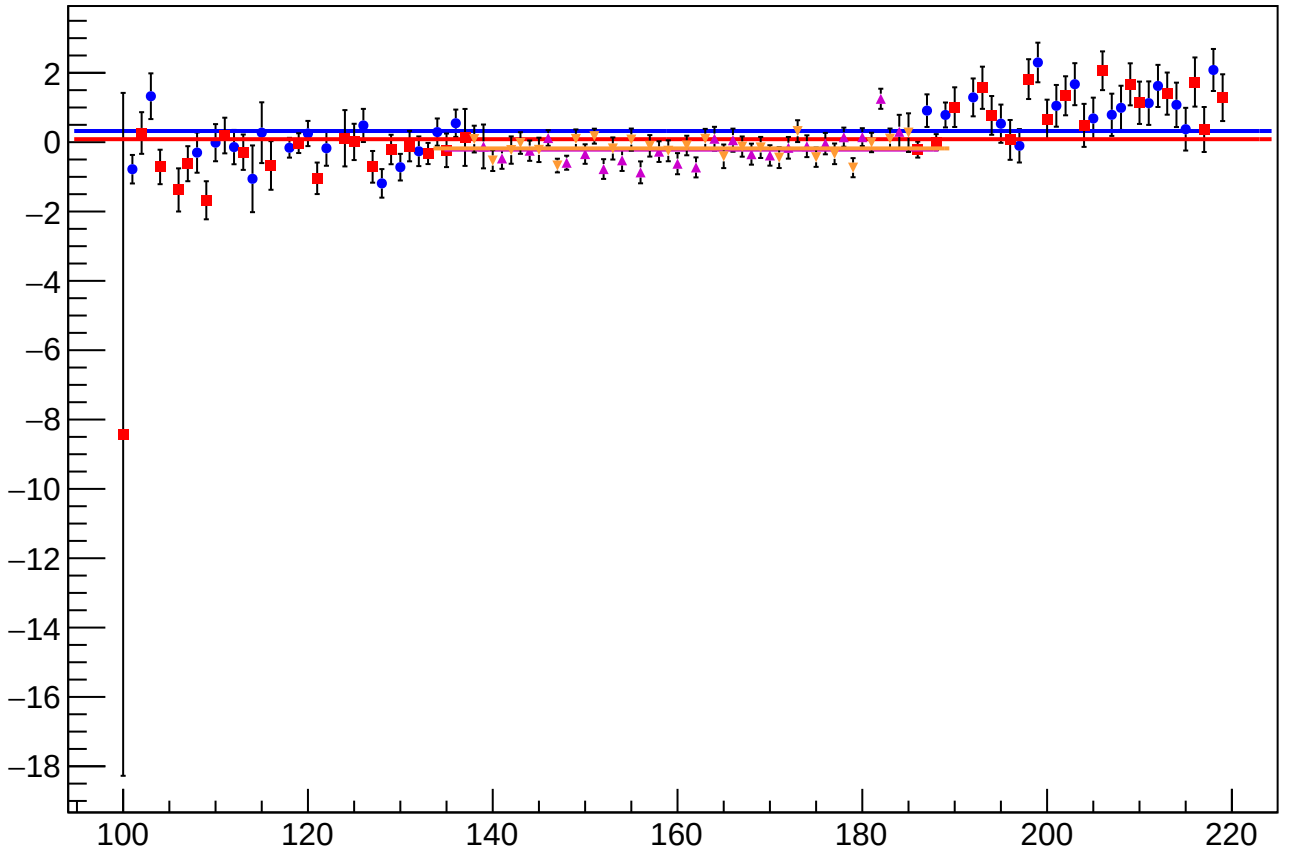
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.388+/-0.047 χ^2/NDF: 115.1/67

In: 0.153+/-0.053 χ^2/NDF:86.0/54

Out: 0.310+/-0.049 χ^2/NDF:108.2/60

All: 0.237+/-0.036 χ^2/NDF: 198.9/115



Right In: 0.322+/-0.087 χ^2/NDF: 84.8/31

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: 0.086+/-0.079 χ^2/NDF: 98.3/35

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

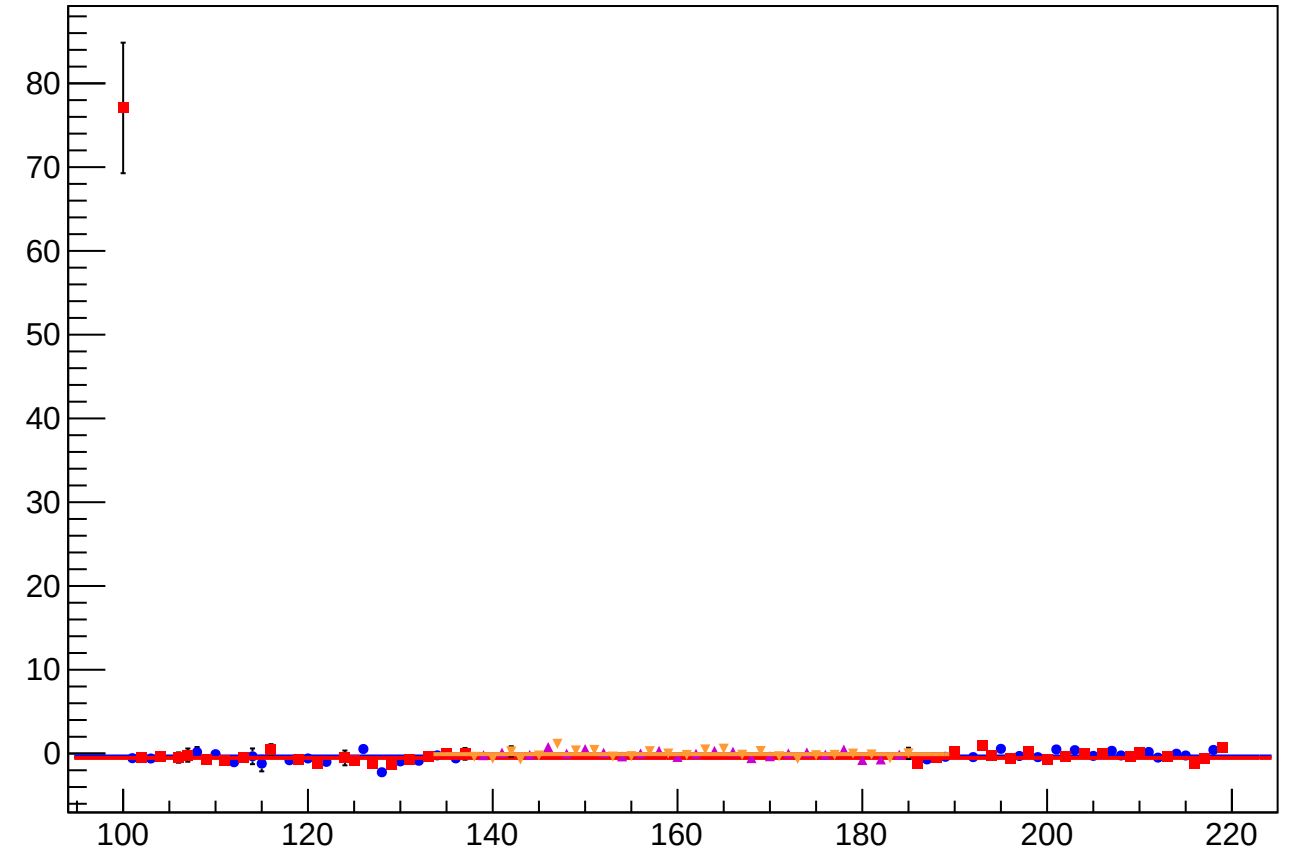
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: 0.193+/-0.058 χ^2/NDF: 187.1/67

In: -0.035+/-0.050 χ^2/NDF:163.9/54

Out: -0.085+/-0.047 χ^2/NDF:130.3/60

All: -0.061+/-0.034 χ^2/NDF: 294.7/115



Right In: -0.354+/-0.072 χ^2/NDF: 57.6/31

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.526+/-0.062 χ^2/NDF: 161.3/35

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

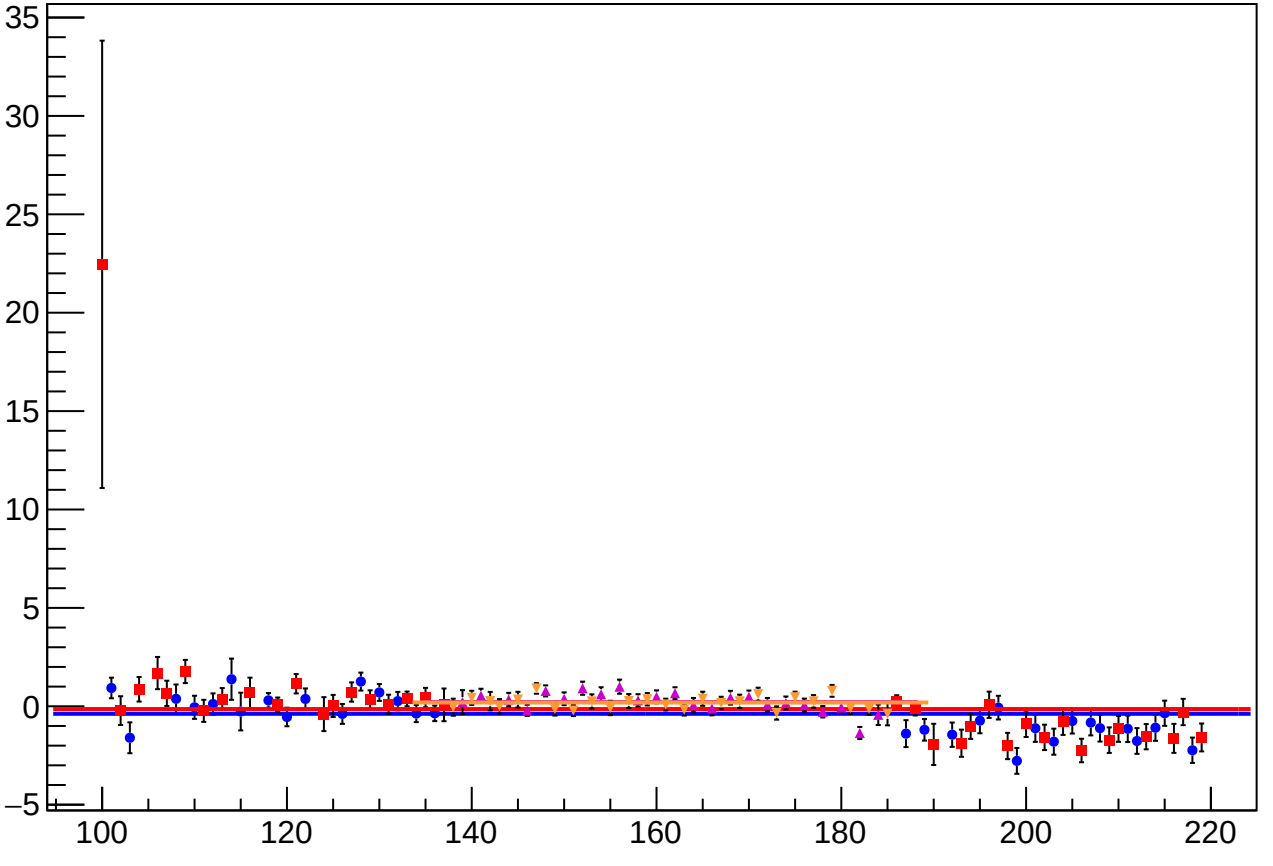
Right: -0.453+/-0.047 χ^2/NDF: 222.2/67

In: -0.226+/-0.053 χ^2/NDF:92.7/54

Out: -0.348+/-0.048 χ^2/NDF:211.9/60

All: -0.293+/-0.036 χ^2/NDF: 307.5/115

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.382+/-0.100 χ^2/NDF: 84.4/31

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: -0.141+/-0.095 χ^2/NDF: 102.0/35

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

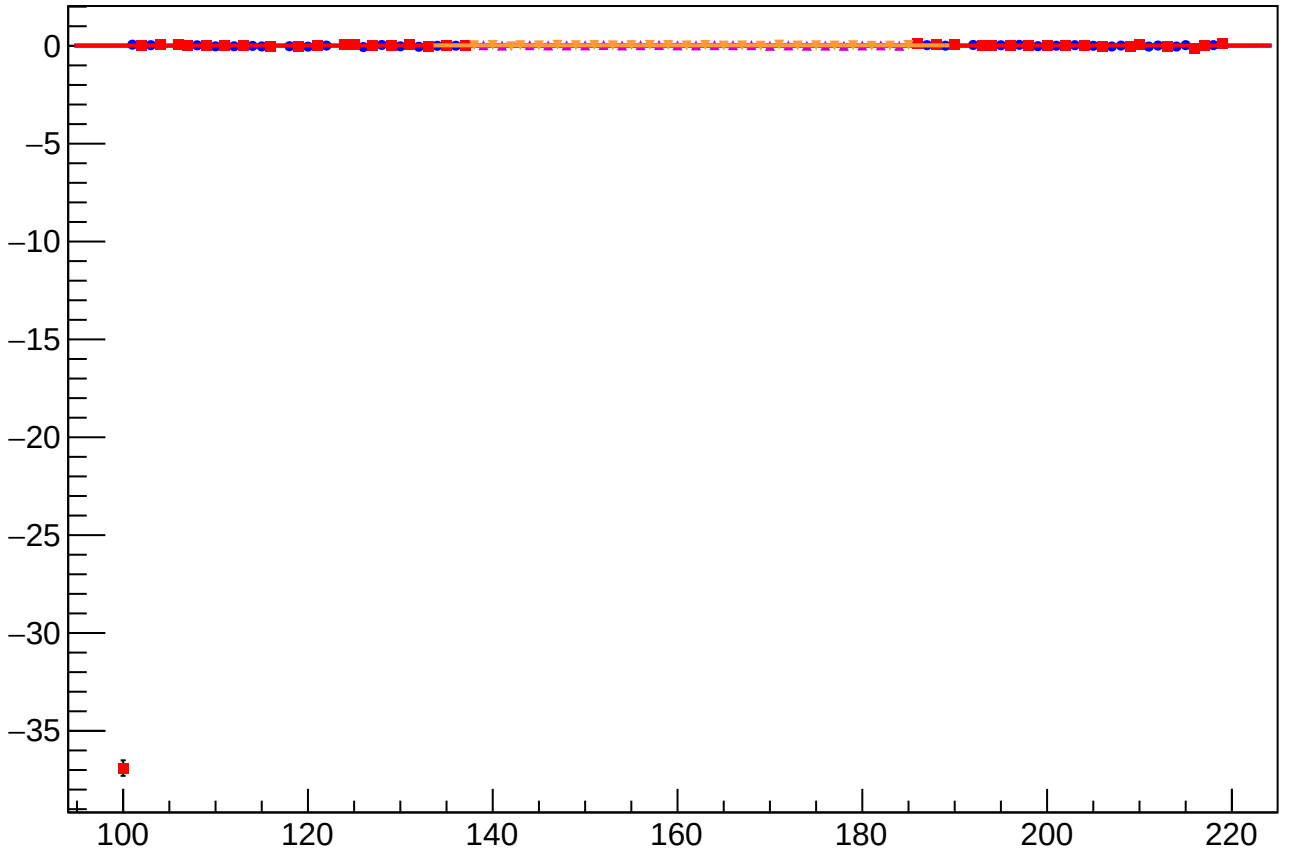
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: -0.255+/-0.069 χ^2/NDF: 189.4/67

In: 0.022+/-0.057 χ^2/NDF:163.5/54

Out: 0.082+/-0.055 χ^2/NDF:136.1/60

All: 0.054+/-0.039 χ^2/NDF: 300.2/115



Right In: 0.010+/-0.005 χ^2/NDF: 37.3/31

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.005 χ^2/NDF: 8799.8/35

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

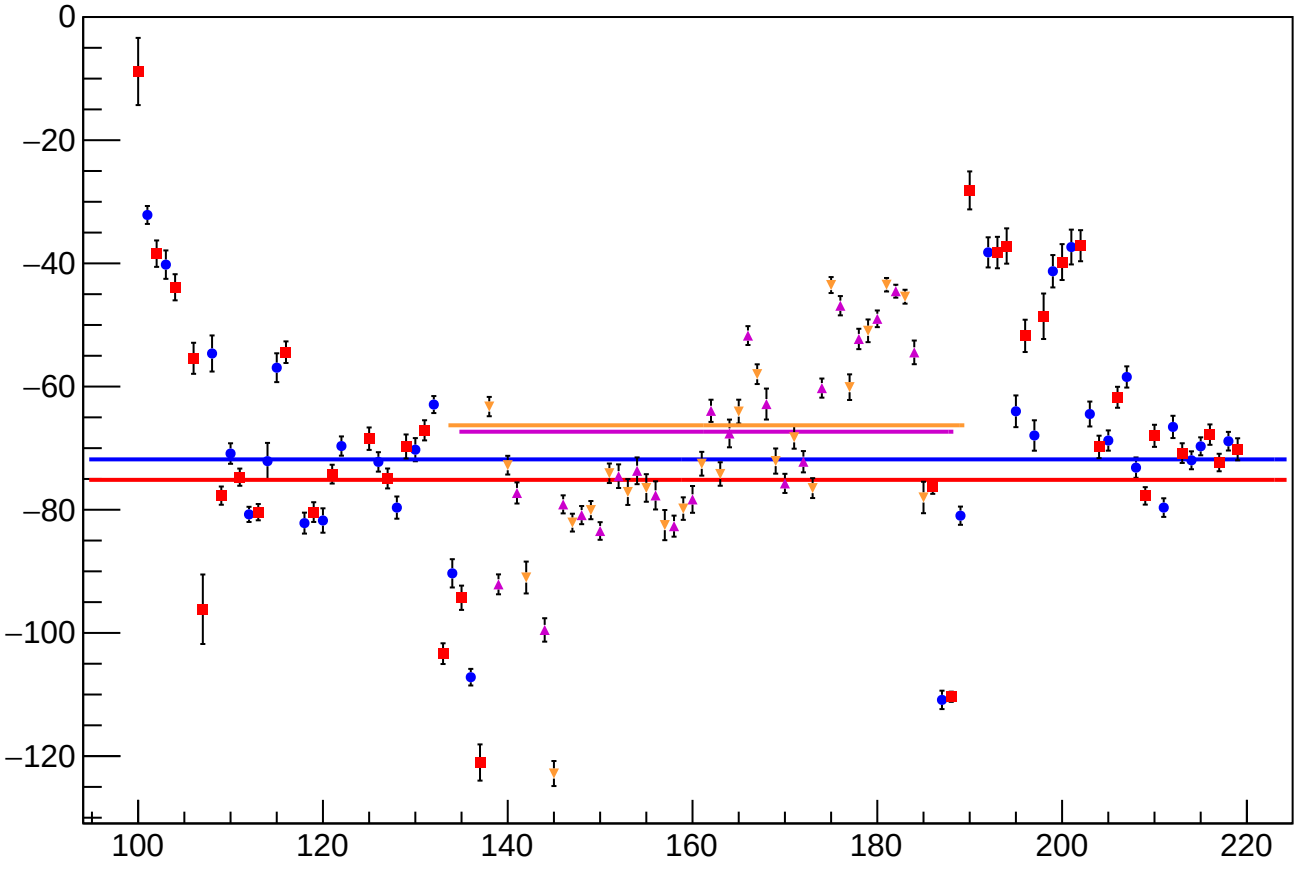
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.012+/-0.003 χ^2/NDF: 8837.6/67

In: 0.020+/-0.003 χ^2/NDF:61.7/54

Out: 0.021+/-0.003 χ^2/NDF:8832.9/60

All: 0.021+/-0.002 χ^2/NDF: 8894.7/115



Right In: -71.823+/-0.309 χ^2/NDF: 3260.1/31

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -75.148+/-0.294 χ^2/NDF: 4629.6/34

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

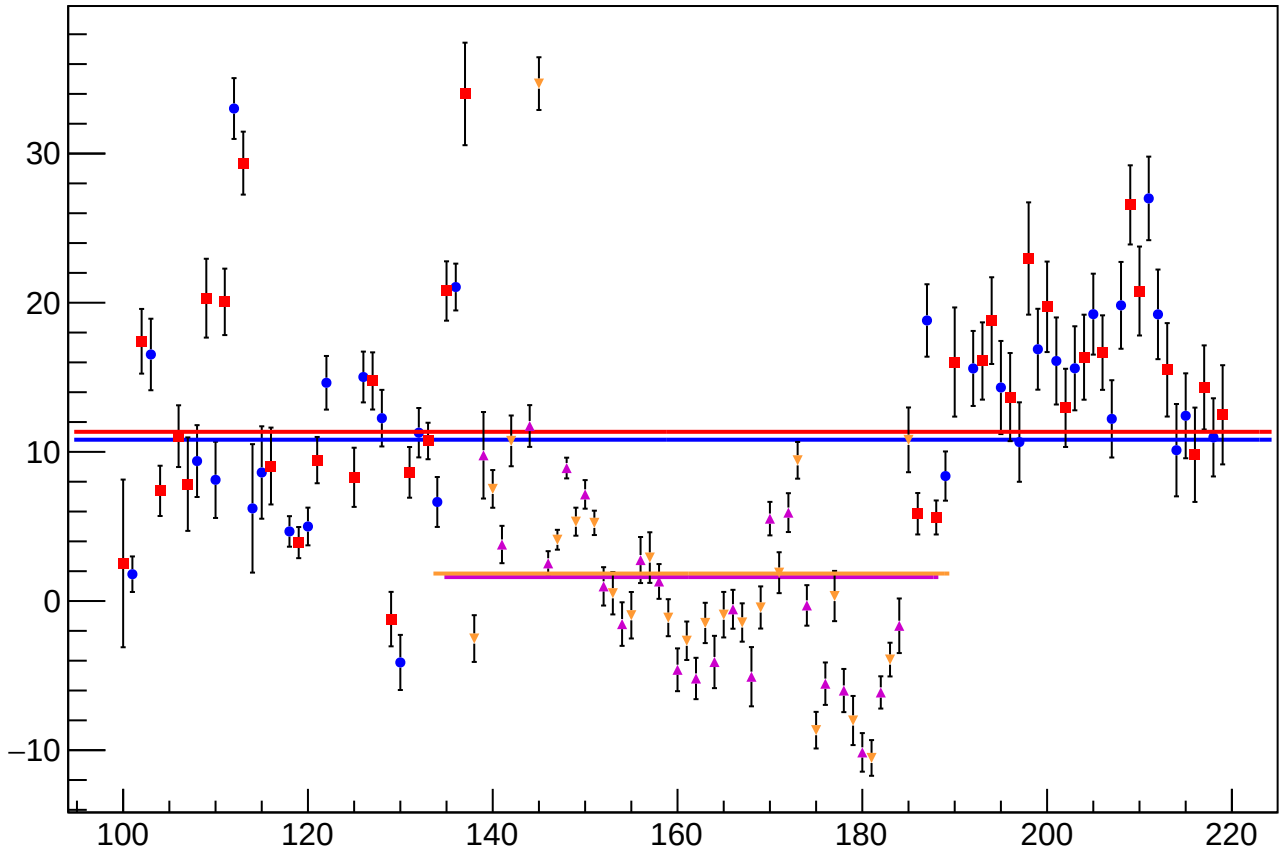
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -73.568+/-0.213 χ^2/NDF: 7950.3/66

In: -69.823+/-0.230 χ^2/NDF:5456.7/54

Out: -71.401+/-0.224 χ^2/NDF:7563.1/58

All: -70.635+/-0.160 χ^2/NDF: 13044.0/113



Right In: 10.815+/-0.357 χ^2/NDF: 457.3/31

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 11.345+/-0.349 χ^2/NDF: 415.7/34

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

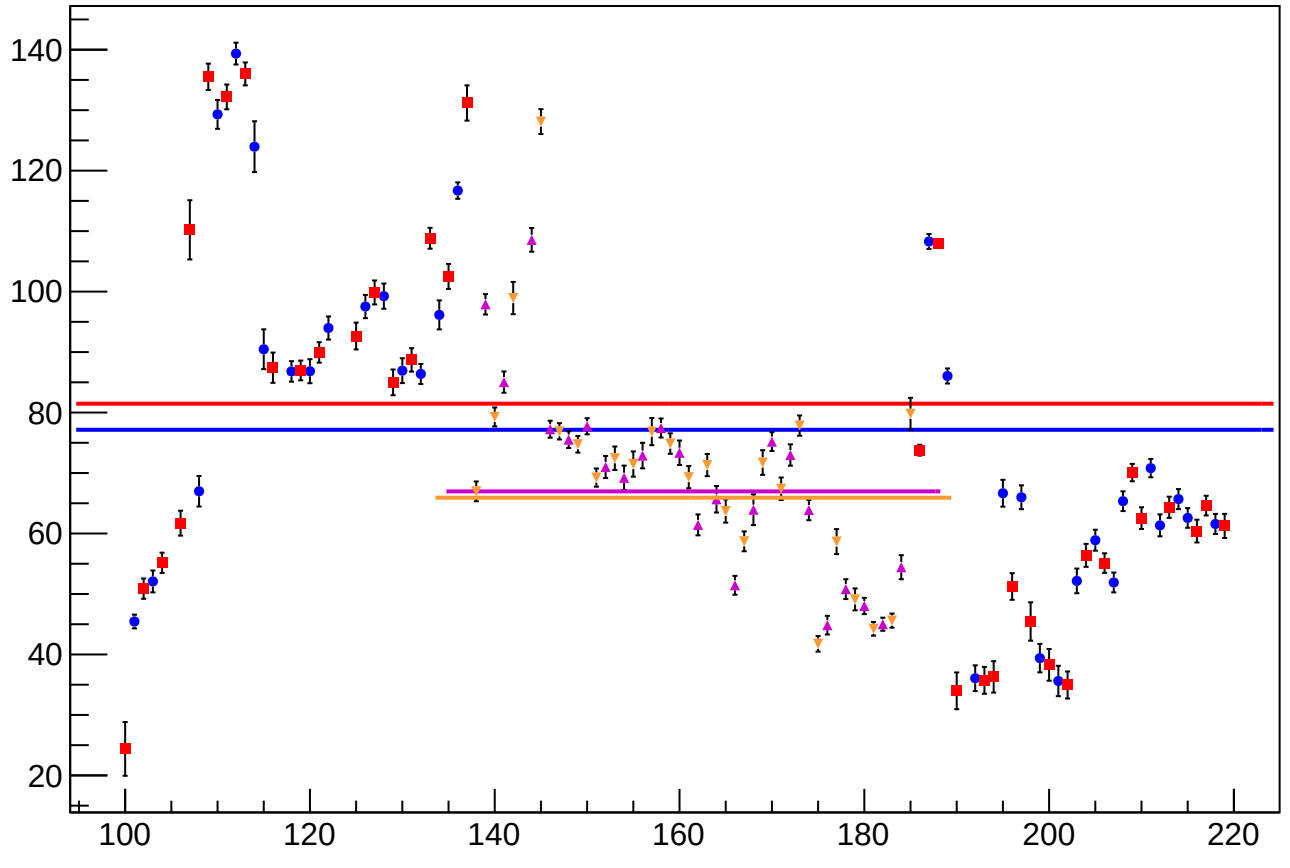
Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

Right: 11.085+/-0.250 χ^2/NDF: 874.2/66

In: 4.777+/-0.209 χ^2/NDF:1391.4/54

Out: 5.134+/-0.206 χ^2/NDF:1680.4/58

All: 4.958+/-0.147 χ^2/NDF: 3073.3/113



Right In: 77.151+/-0.315 χ^2/NDF: 6621.2/31

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 81.466+/-0.294 χ^2/NDF: 8436.0/34

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

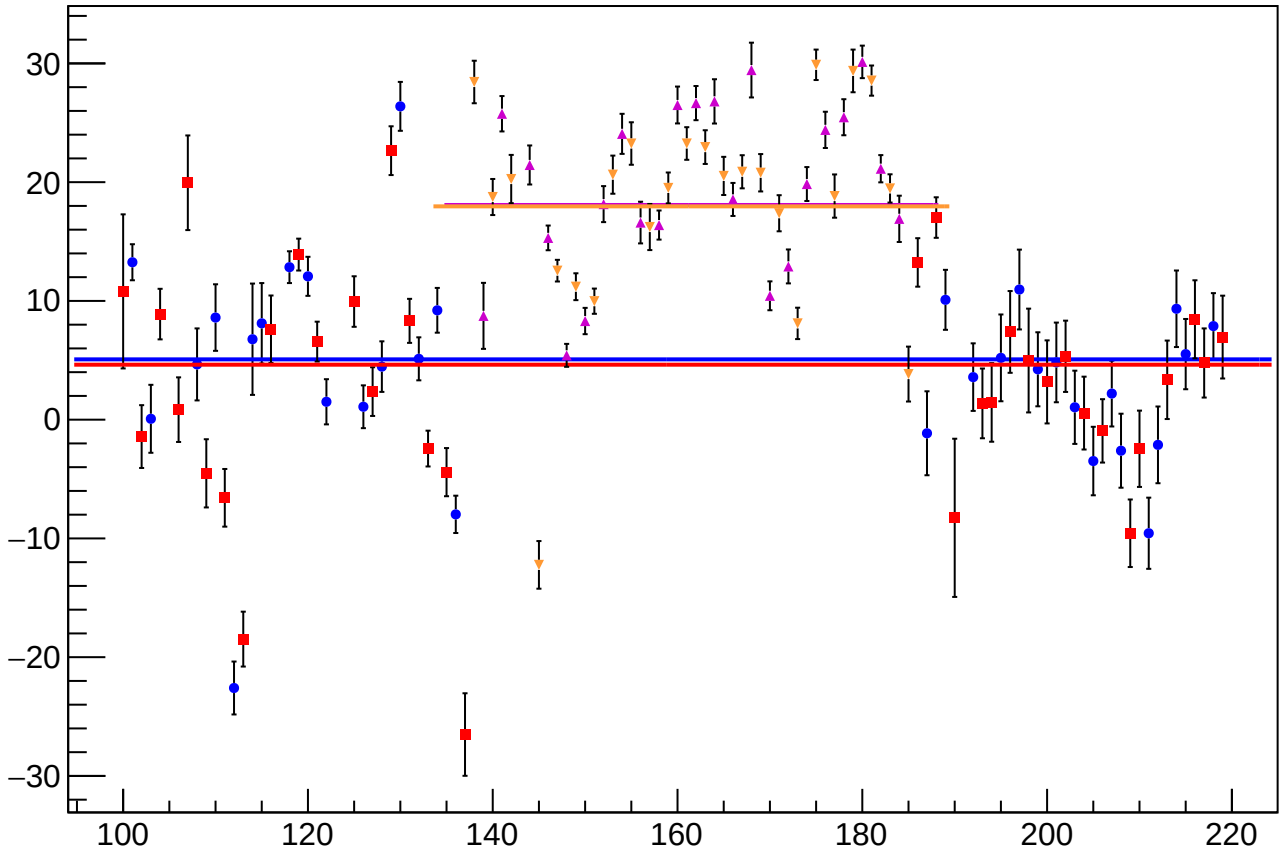
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 79.462+/-0.215 χ^2/NDF: 15157.4/66

In: 72.456+/-0.232 χ^2/NDF:9323.1/54

Out: 74.835+/-0.222 χ^2/NDF:12186.3/58

All: 73.694+/-0.160 χ^2/NDF: 21564.2/113



Right In: 5.079+/-0.415 χ^2/NDF: 489.7/31

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 4.630+/-0.414 χ^2/NDF: 534.3/34

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

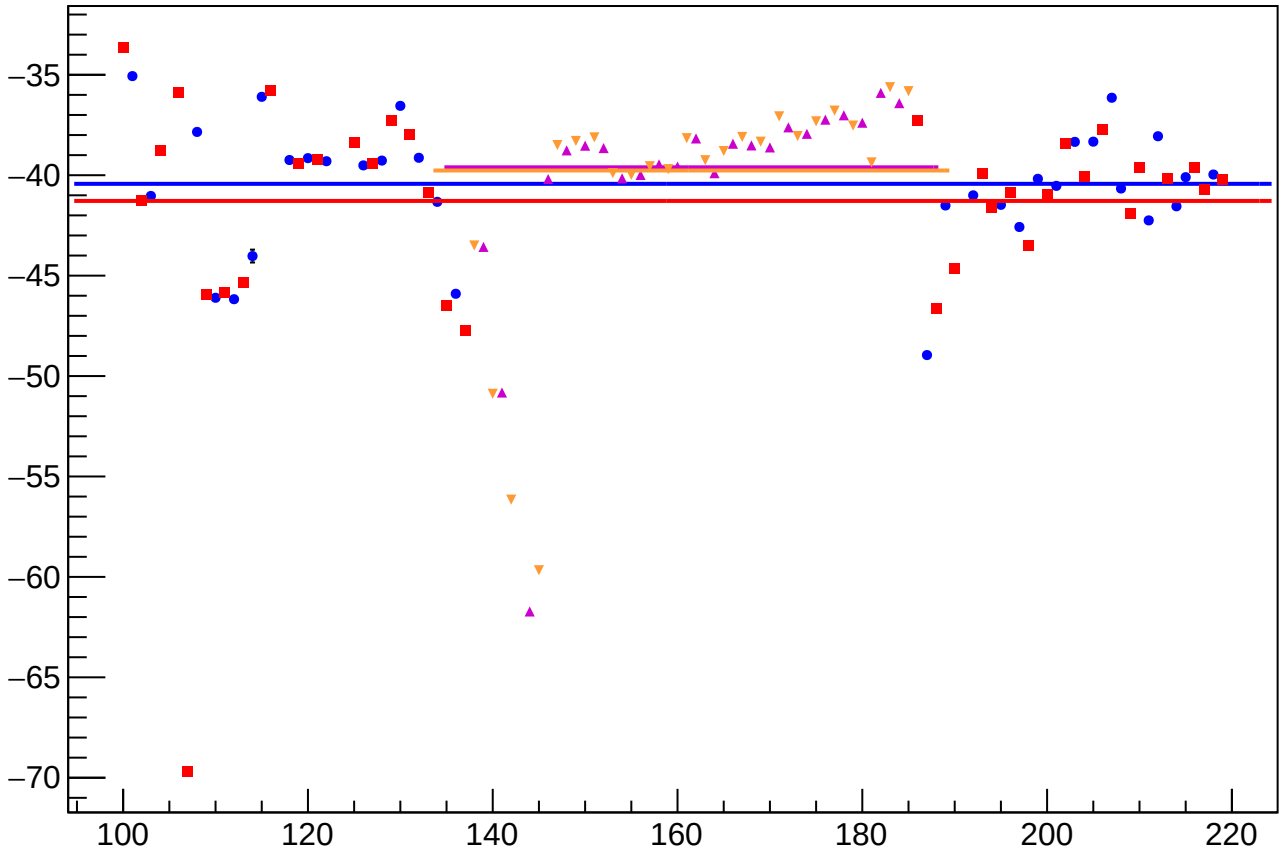
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 4.854+/-0.293 χ^2/NDF: 1024.6/66

In: 13.717+/-0.240 χ^2/NDF:1747.1/54

Out: 13.530+/-0.239 χ^2/NDF:1959.9/58

All: 13.623+/-0.169 χ^2/NDF: 3707.3/113



Right In: -40.429+/-0.021 χ^2/NDF: 23345.1/31

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.280+/-0.021 χ^2/NDF: 44950.1/34

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

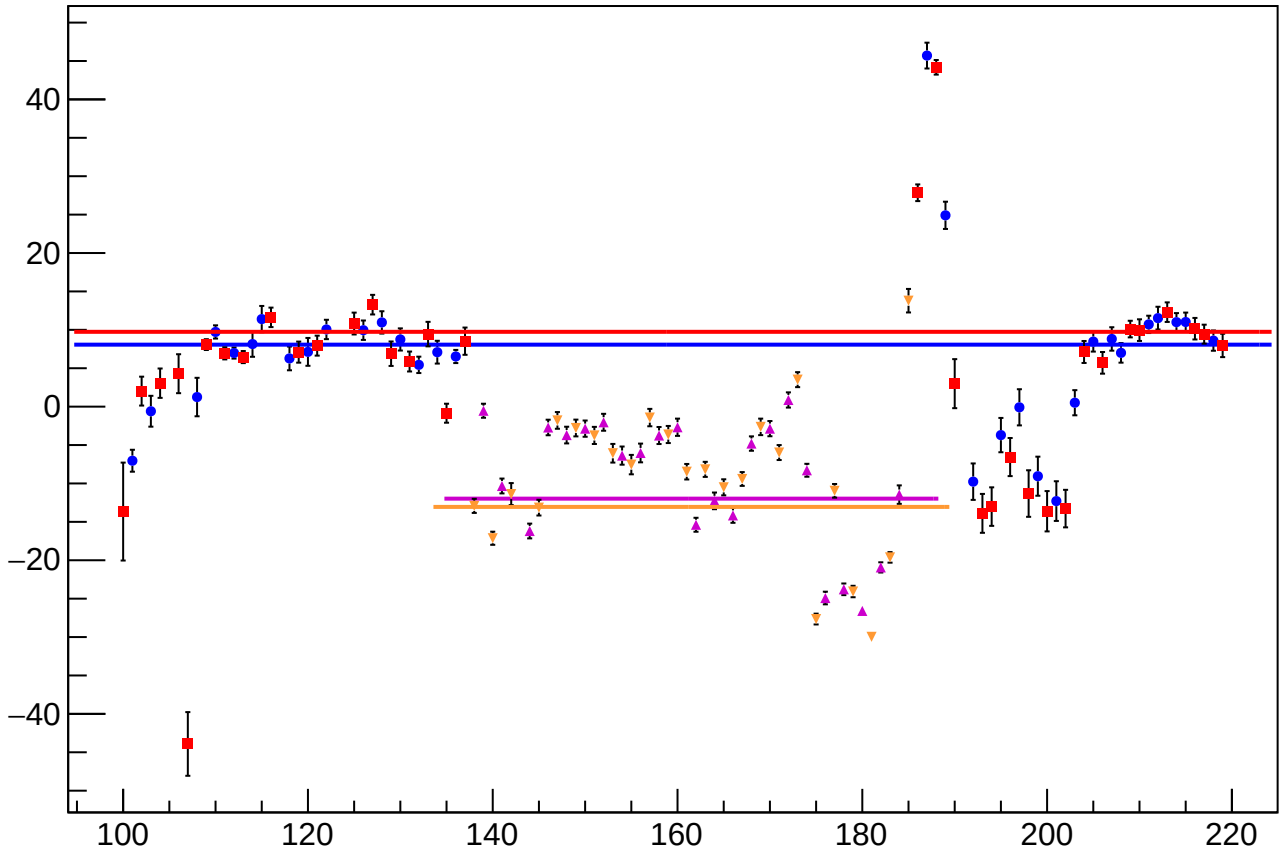
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -40.853+/-0.015 χ^2/NDF: 69149.7/66

In: -39.851+/-0.011 χ^2/NDF:131108.4/54

Out: -40.218+/-0.011 χ^2/NDF:178626.3/58

All: -40.033+/-0.008 χ^2/NDF: 310268.3/113



Right In: 8.070+/-0.241 χ^2/NDF: 1008.3/31

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.742+/-0.231 χ^2/NDF: 2392.9/34

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

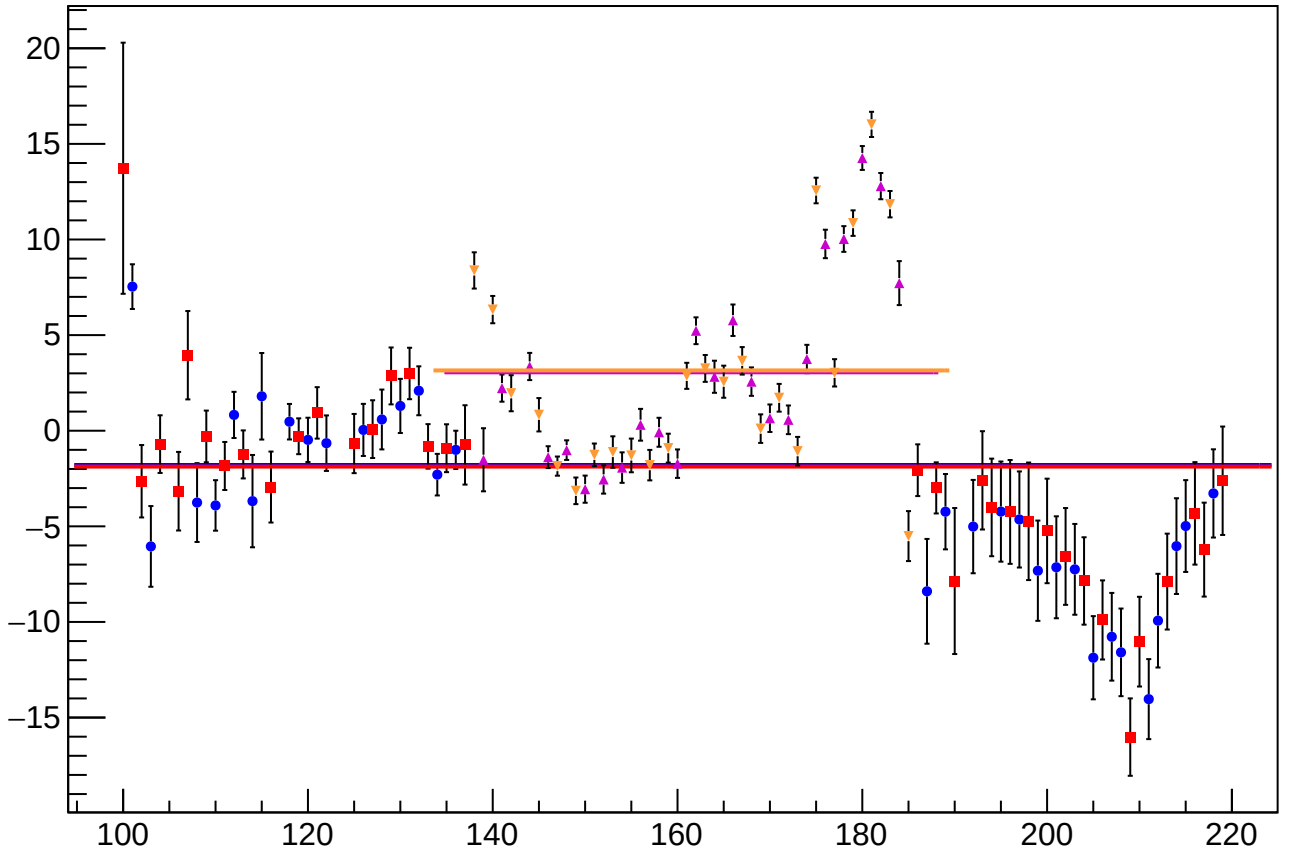
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

Right: 8.942+/-0.167 χ^2/NDF: 3426.2/66

In: -4.027+/-0.152 χ^2/NDF:7356.1/54

Out: -3.689+/-0.148 χ^2/NDF:11005.7/58

All: -3.854+/-0.106 χ^2/NDF: 18364.4/113



Right In: -1.792+/-0.289 χ^2/NDF: 236.3/31

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.875+/-0.290 χ^2/NDF: 155.9/34

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

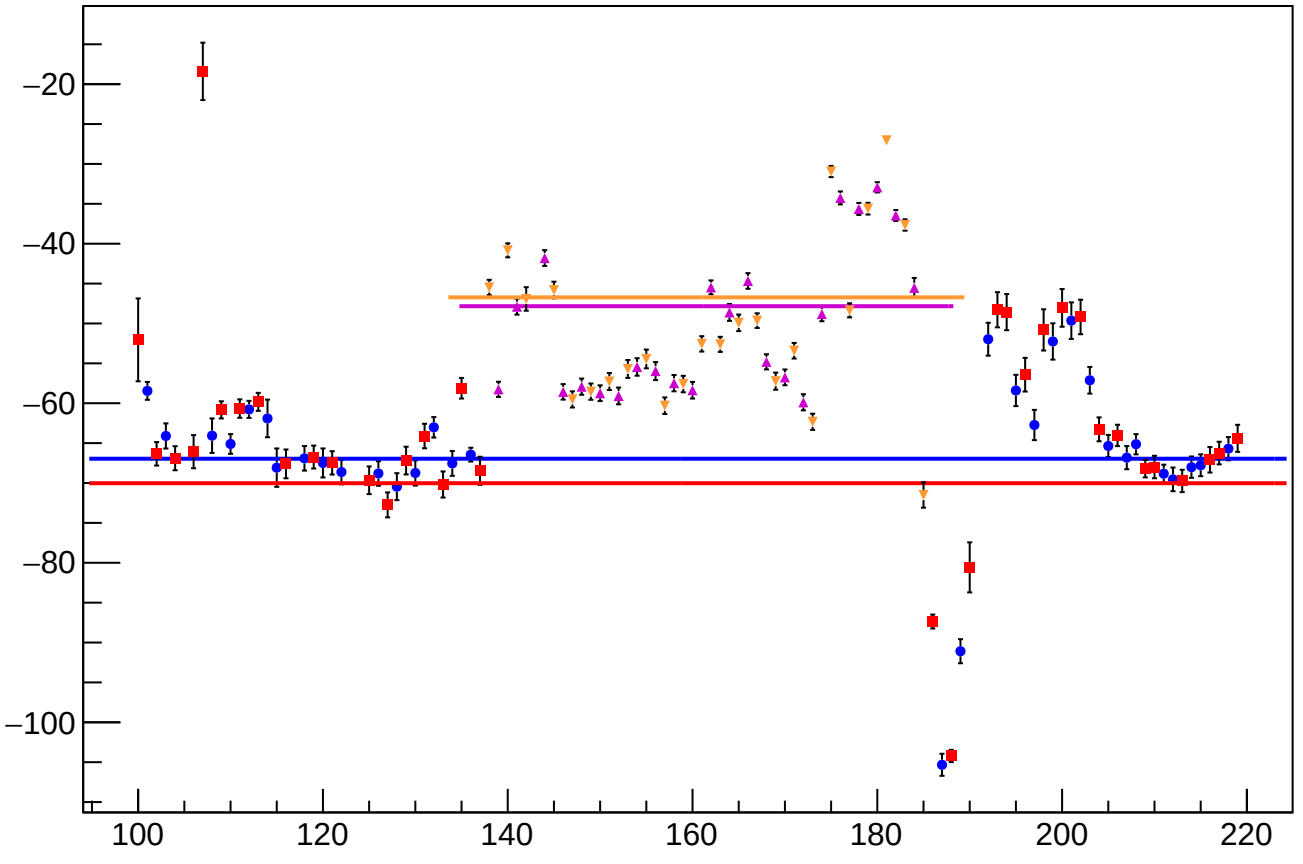
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -1.834+/-0.205 χ^2/NDF: 392.2/66

In: 2.007+/-0.135 χ^2/NDF:1601.1/54

Out: 2.102+/-0.133 χ^2/NDF:1778.6/58

All: 2.055+/-0.094 χ^2/NDF: 3379.9/113



Right In: -66.957+/-0.259 χ^2/NDF: 1370.5/31

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.025+/-0.249 χ^2/NDF: 3498.2/34

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

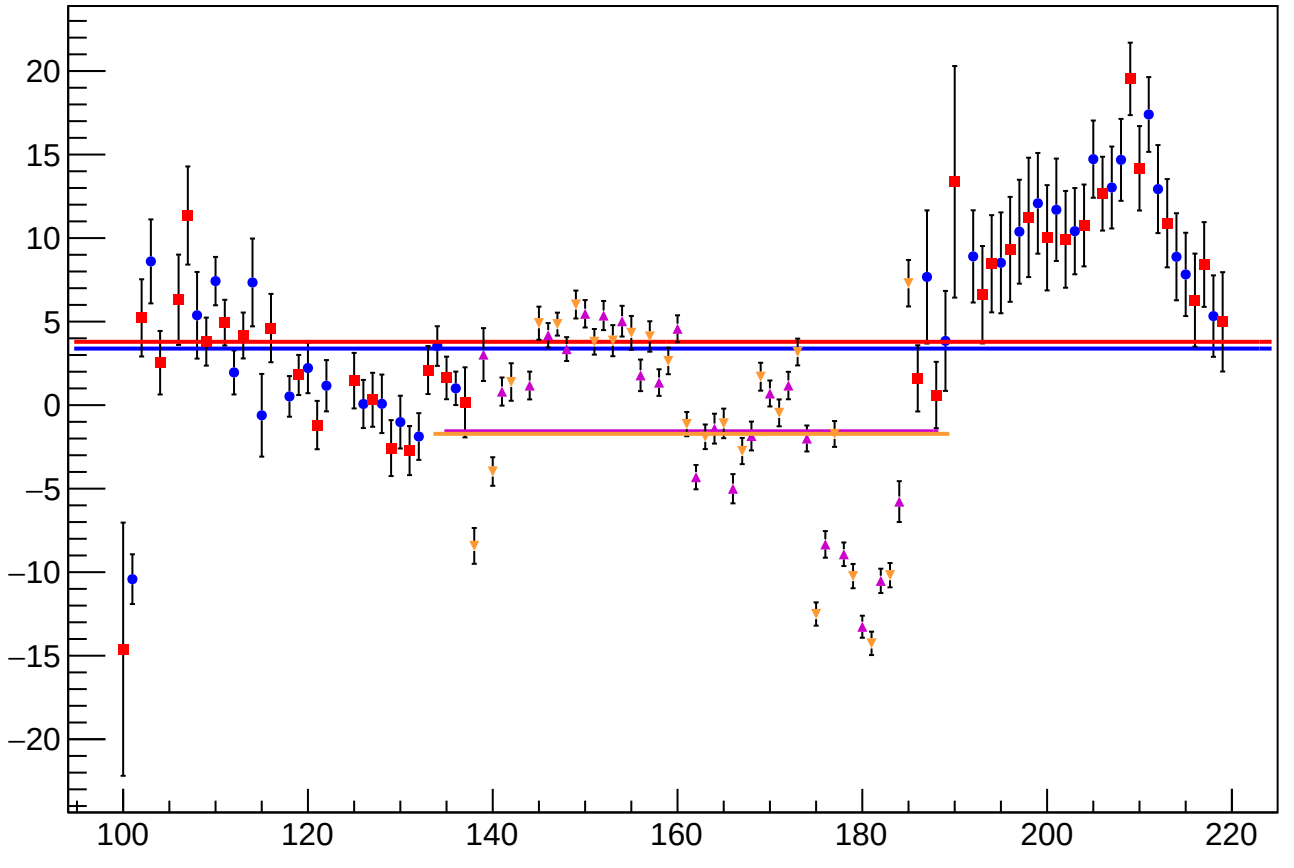
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -68.550+/-0.180 χ^2/NDF: 4941.4/66

In: -54.692+/-0.155 χ^2/NDF:7417.1/54

Out: -55.367+/-0.152 χ^2/NDF:12433.2/58

All: -55.037+/-0.109 χ^2/NDF: 19860.0/113



Right In: 3.385+/-0.328 χ^2/NDF: 306.9/31

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 3.791+/-0.333 χ^2/NDF: 208.0/34

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

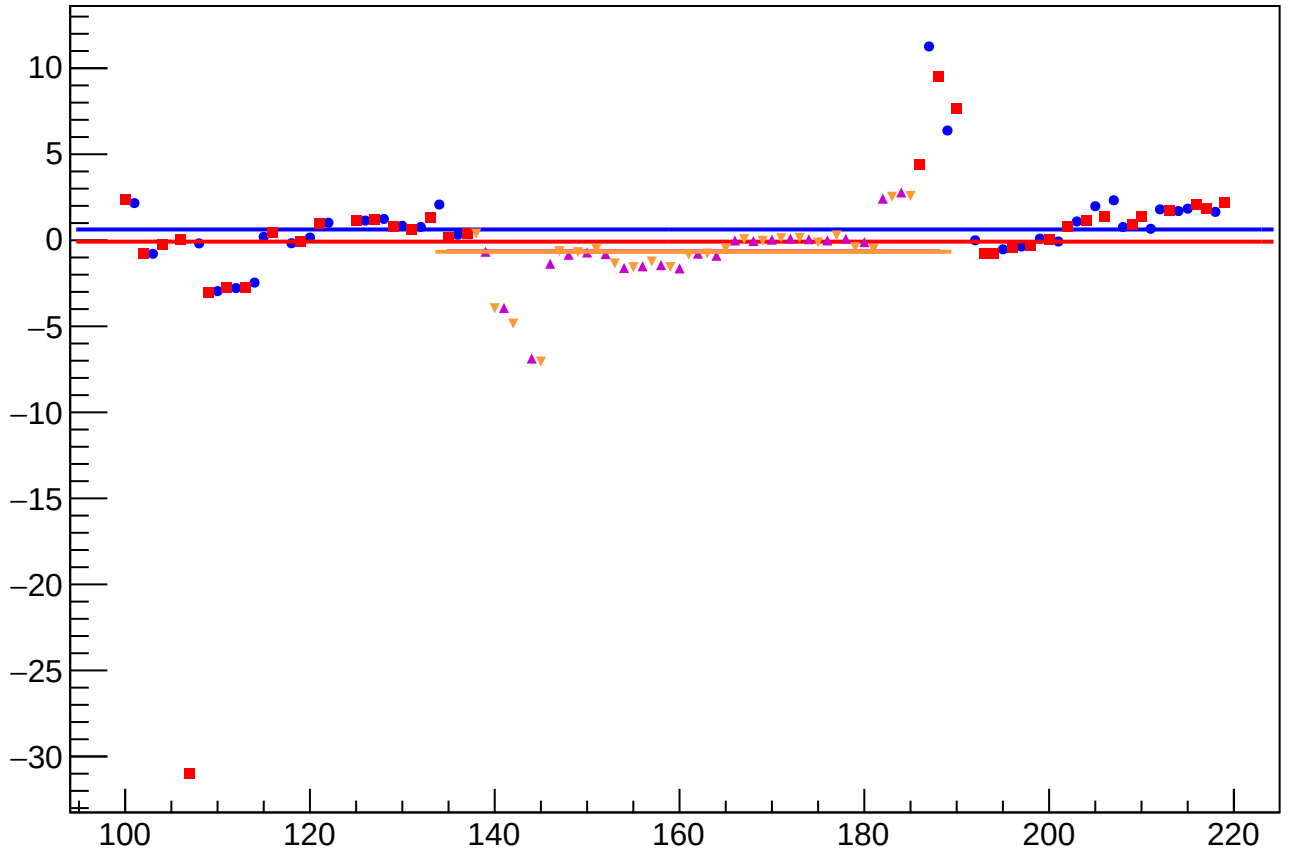
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 3.585+/-0.233 χ^2/NDF: 515.7/66

In: -0.510+/-0.151 χ^2/NDF:1604.3/54

Out: -0.601+/-0.150 χ^2/NDF:1832.6/58

All: -0.556+/-0.106 χ^2/NDF: 3437.0/113



Right In: 0.628+/-0.017 χ^2/NDF: 10597.9/31

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.080+/-0.017 χ^2/NDF: 61787.0/34

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

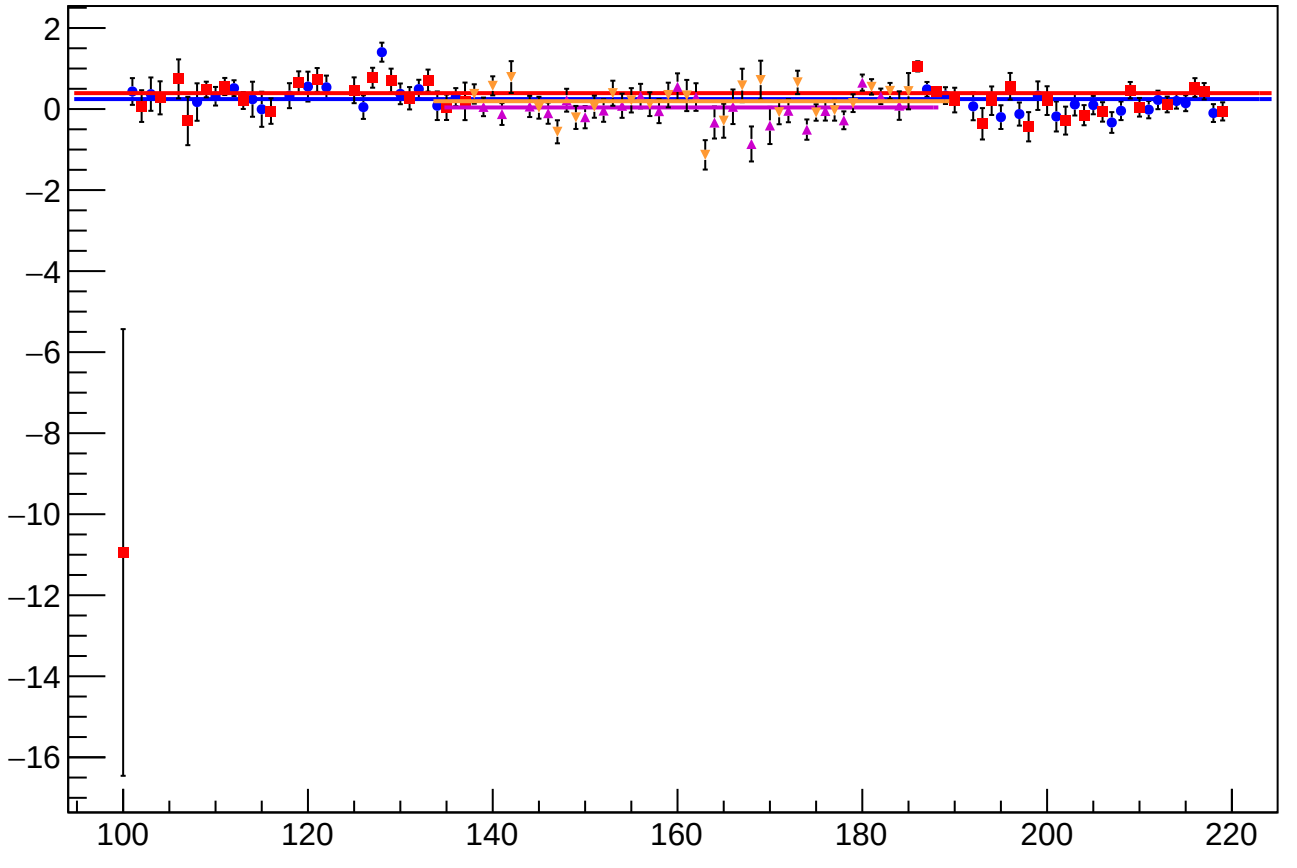
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.283+/-0.012 χ^2/NDF: 73279.1/66

In: -0.426+/-0.007 χ^2/NDF:61089.6/54

Out: -0.569+/-0.007 χ^2/NDF:118063.9/58

All: -0.498+/-0.005 χ^2/NDF: 179371.6/113



Right In: 0.246+/-0.046 χ^2/NDF: 50.3/31

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.392+/-0.041 χ^2/NDF: 78.0/34

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

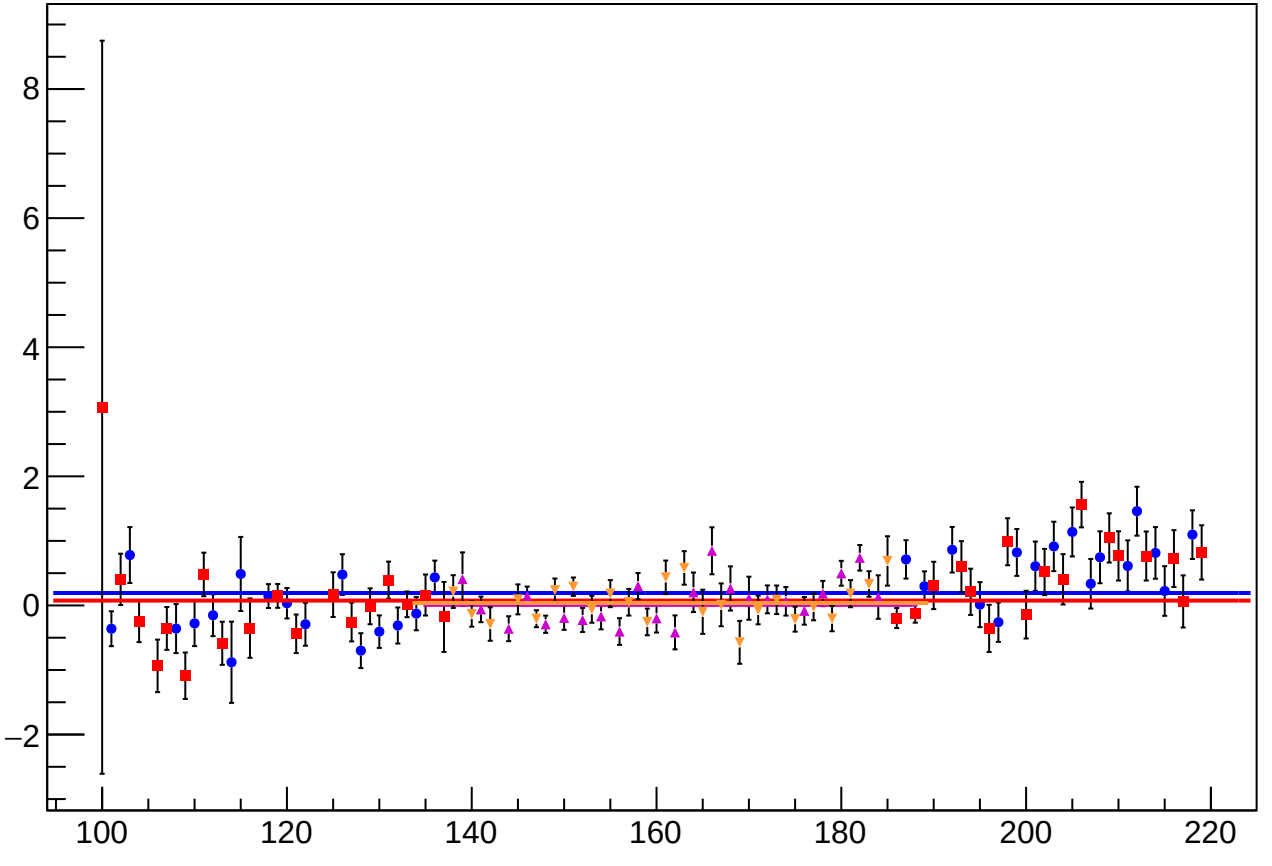
Right: 0.326+/-0.031 χ^2/NDF: 134.0/66

In: 0.167+/-0.036 χ^2/NDF:88.7/54

Out: 0.324+/-0.033 χ^2/NDF:130.2/58

All: 0.250+/-0.024 χ^2/NDF: 229.3/113

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.193+/-0.056 χ^2/NDF: 85.7/31

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: 0.075+/-0.052 χ^2/NDF: 86.2/34

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

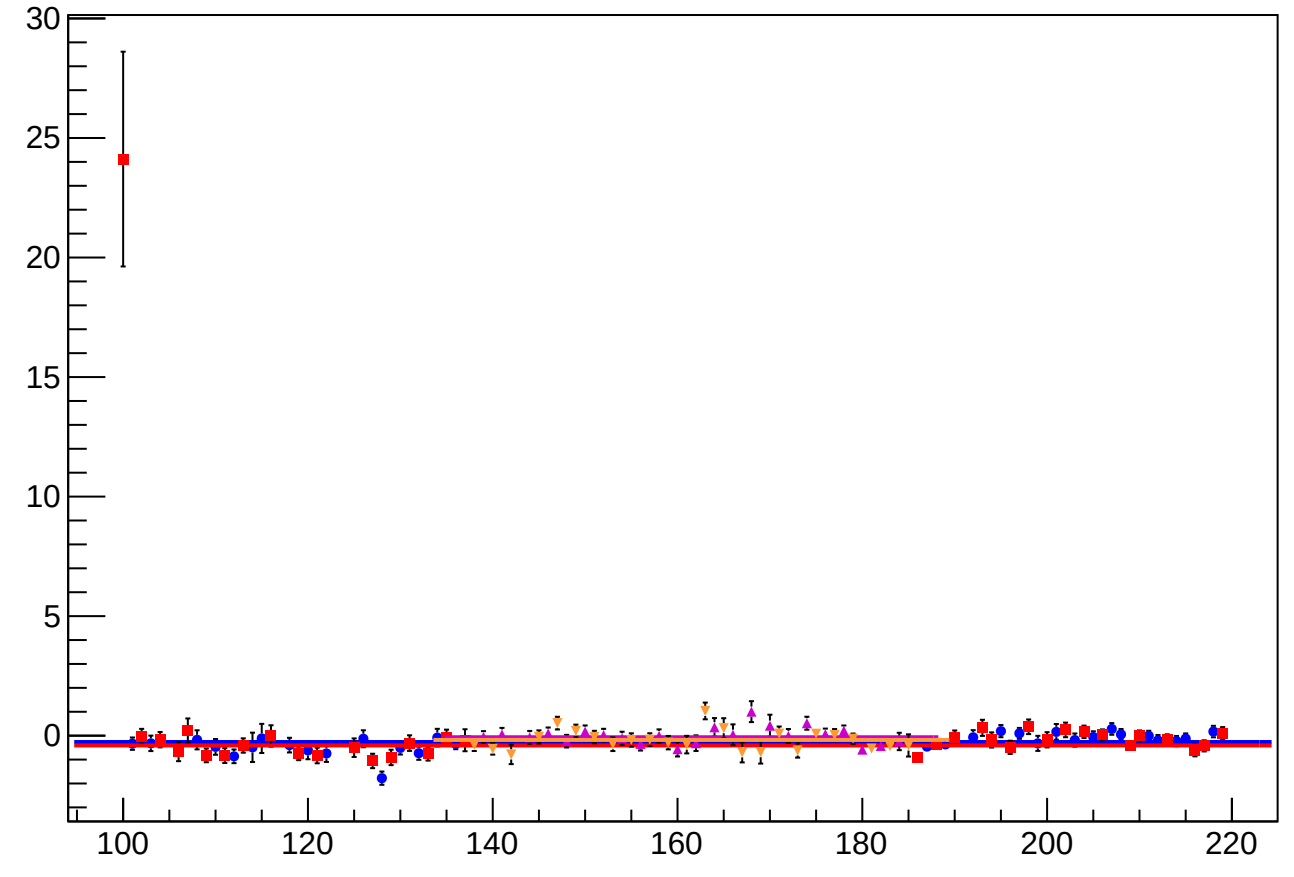
Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

Right: 0.129+/-0.038 χ^2/NDF: 174.3/66

In: 0.079+/-0.035 χ^2/NDF:143.8/54

Out: 0.053+/-0.033 χ^2/NDF:119.2/58

All: 0.066+/-0.024 χ^2/NDF: 263.3/113



Right In: -0.266+/-0.046 χ^2/NDF: 64.8/31

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.409+/-0.040 χ^2/NDF: 110.6/34

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

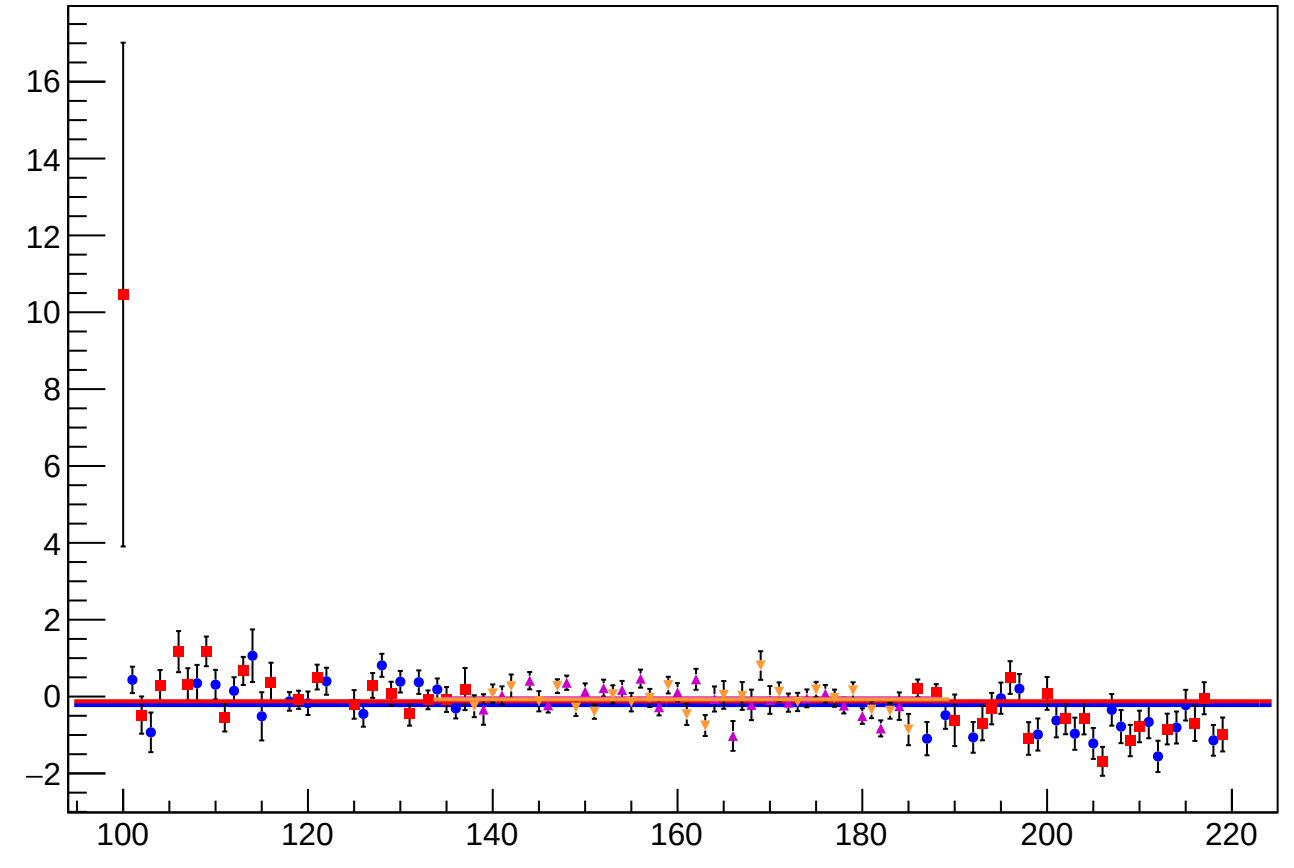
Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

Right: -0.347+/-0.030 χ^2/NDF: 180.8/66

In: -0.186+/-0.036 χ^2/NDF:103.7/54

Out: -0.330+/-0.033 χ^2/NDF:163.8/58

All: -0.265+/-0.024 χ^2/NDF: 276.3/113



Right In: -0.221+/-0.065 χ^2/NDF: 84.8/31

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: -0.122+/-0.062 χ^2/NDF: 86.8/34

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

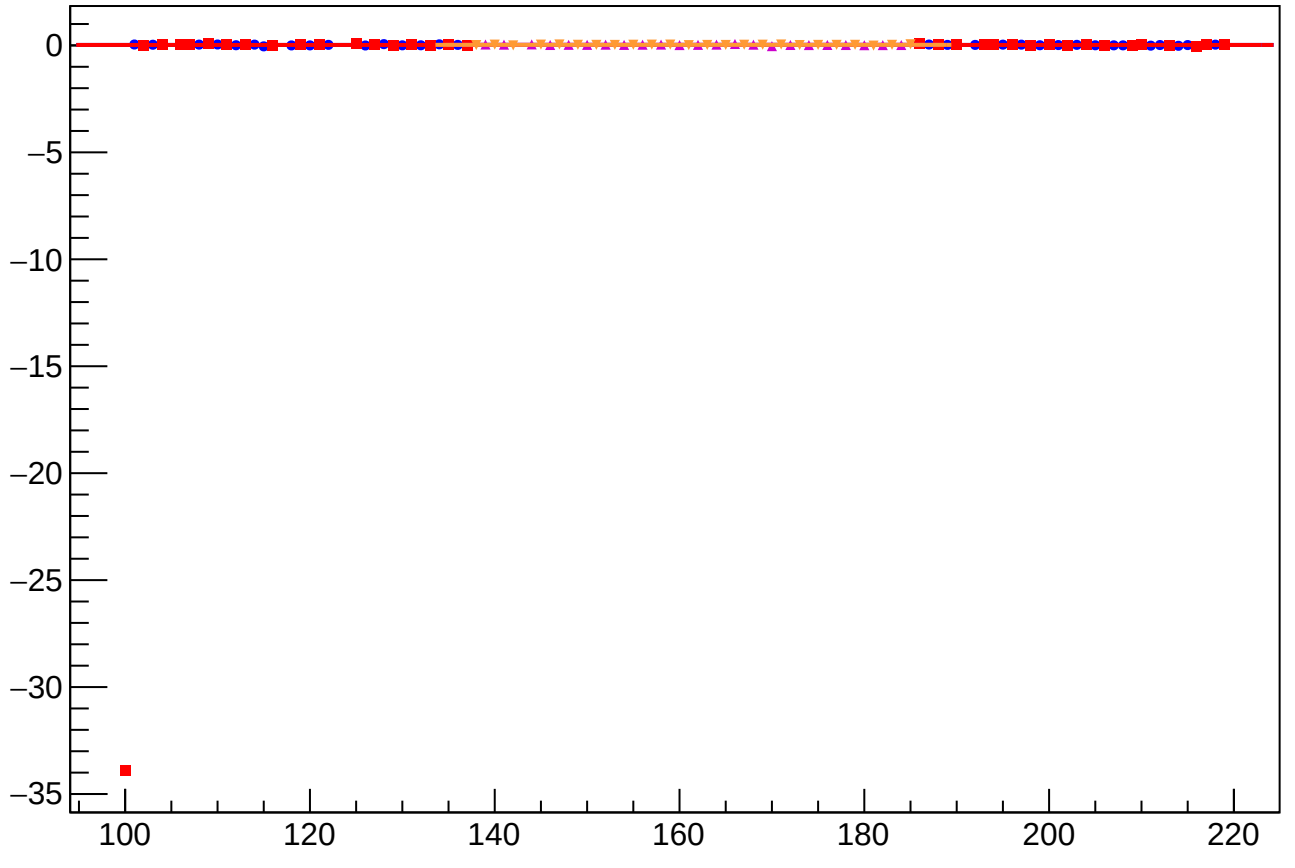
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: -0.169+/-0.045 χ^2/NDF: 172.9/66

In: -0.113+/-0.040 χ^2/NDF:139.8/54

Out: -0.091+/-0.039 χ^2/NDF:124.9/58

All: -0.102+/-0.028 χ^2/NDF: 264.9/113



Right In: 0.022+/-0.003 χ^2/NDF: 30.4/31

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.021+/-0.003 χ^2/NDF: 22326.5/34

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

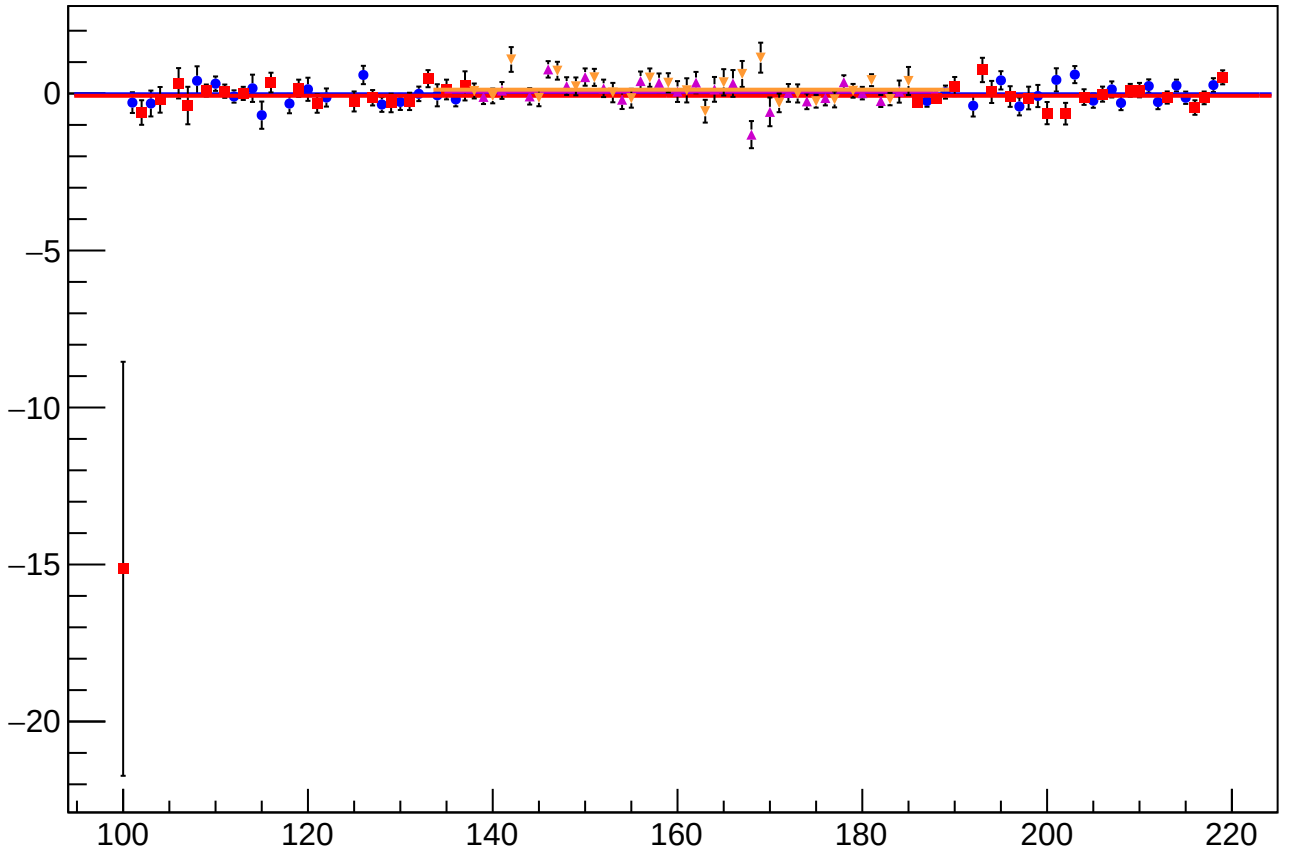
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.021+/-0.002 χ^2/NDF: 22356.9/66

In: 0.025+/-0.002 χ^2/NDF:71.4/54

Out: 0.024+/-0.002 χ^2/NDF:22359.9/58

All: 0.025+/-0.001 χ^2/NDF: 22431.3/113



Right In: -0.024+/-0.046 χ^2/NDF: 39.2/31

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.072+/-0.041 χ^2/NDF: 44.8/34

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

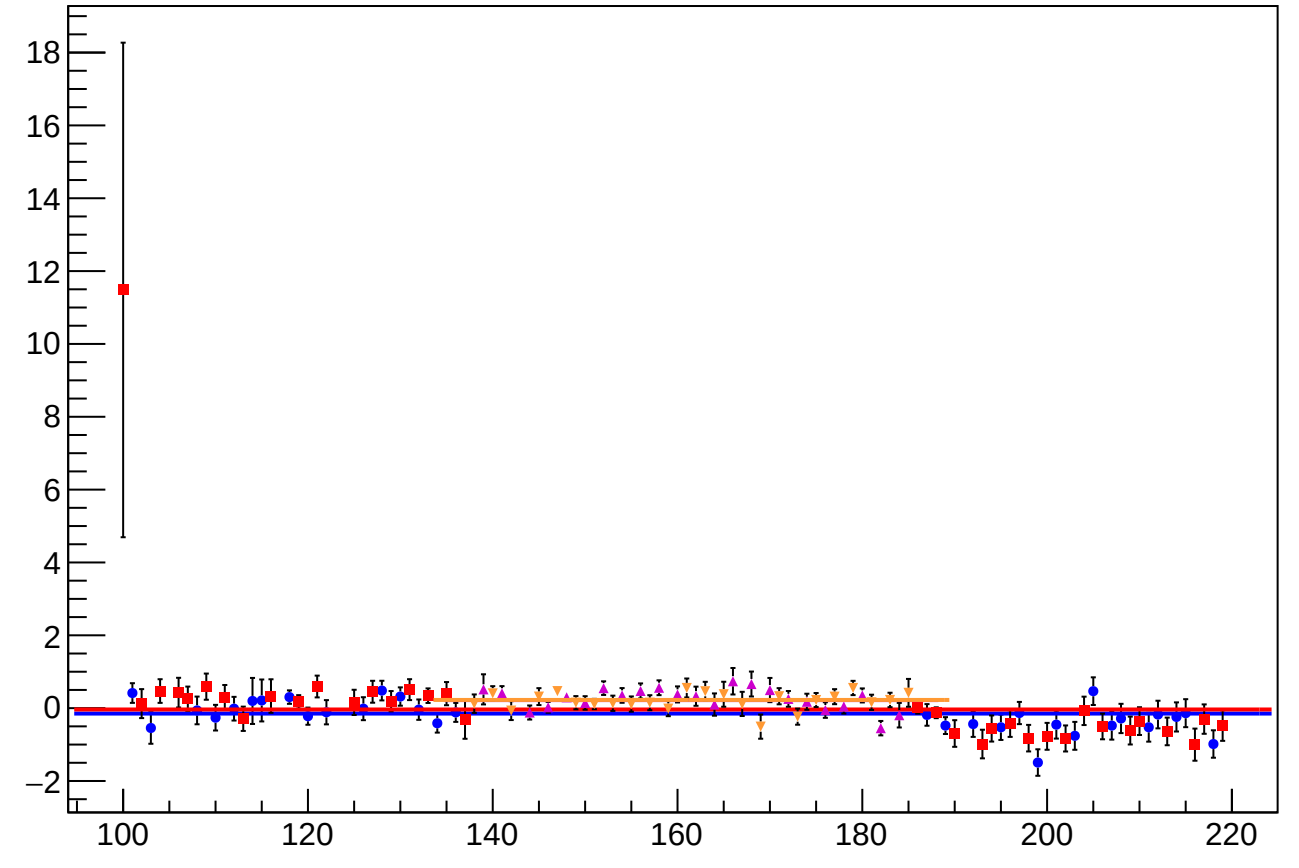
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

Right: -0.051+/-0.031 χ^2/NDF: 84.6/66

In: 0.009+/-0.036 χ^2/NDF:74.8/54

Out: -0.005+/-0.033 χ^2/NDF:92.1/58

All: 0.002+/-0.024 χ^2/NDF: 167.0/113



Right In: -0.149+/-0.056 χ^2/NDF: 52.7/31

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: -0.037+/-0.052 χ^2/NDF: 71.4/34

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

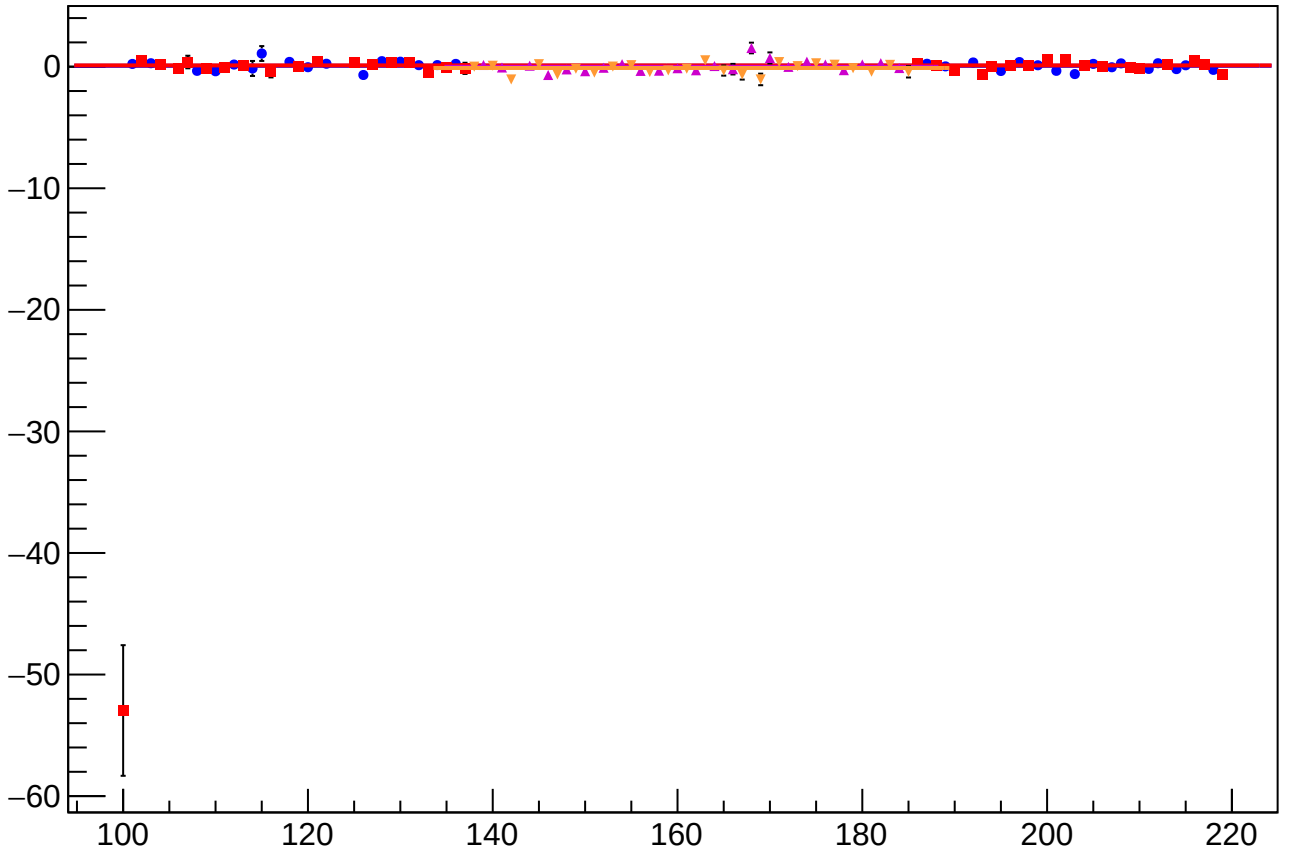
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.088+/-0.038 χ^2/NDF: 126.3/66

In: 0.079+/-0.035 χ^2/NDF:118.9/54

Out: 0.117+/-0.033 χ^2/NDF:110.6/58

All: 0.099+/-0.024 χ^2/NDF: 230.2/113



Right In: 0.076+/-0.046 χ^2/NDF: 38.4/31

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.107+/-0.040 χ^2/NDF: 135.5/34

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

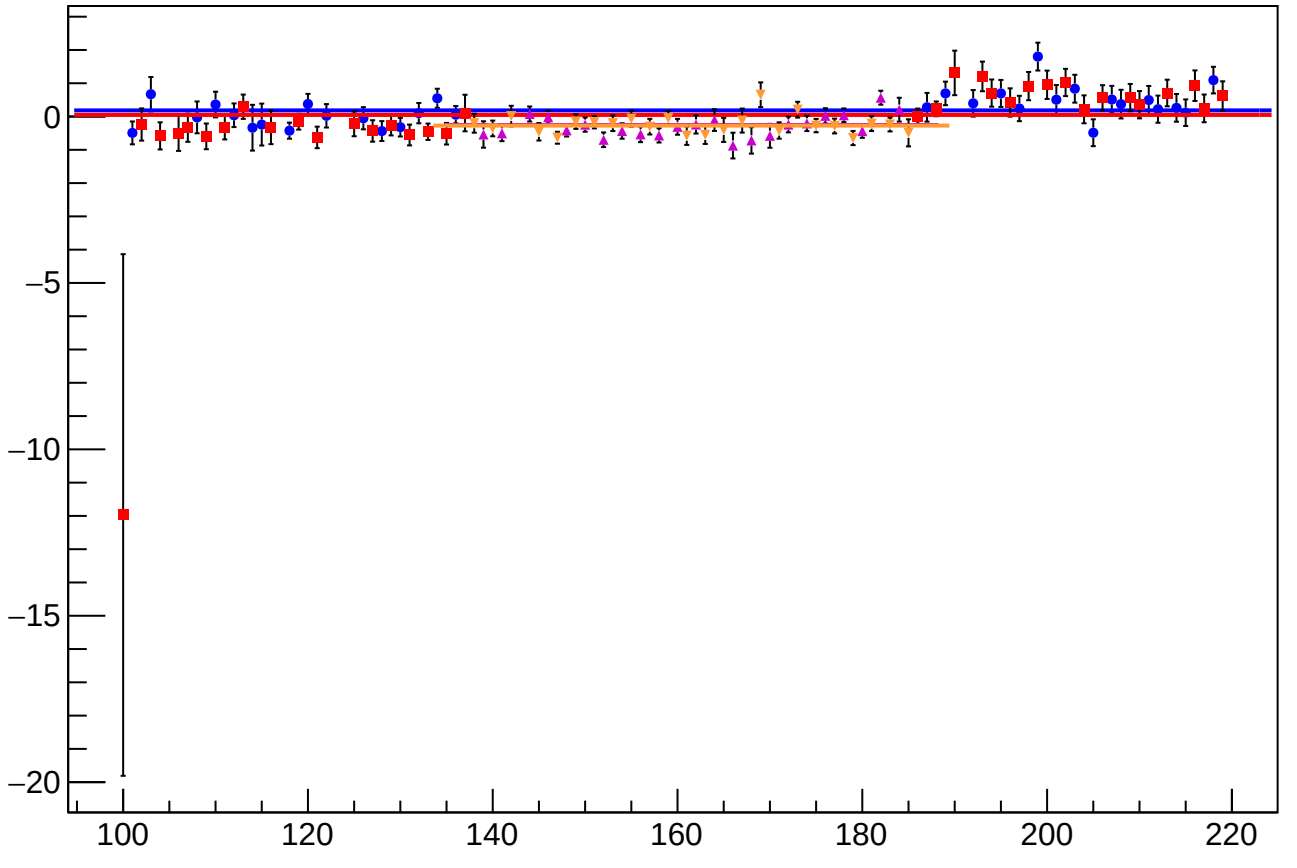
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.094+/-0.030 χ^2/NDF: 174.2/66

In: 0.042+/-0.036 χ^2/NDF:77.7/54

Out: 0.035+/-0.033 χ^2/NDF:182.4/58

All: 0.038+/-0.024 χ^2/NDF: 260.2/113



Right In: 0.184+/-0.065 χ^2/NDF: 54.6/31

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: 0.048+/-0.062 χ^2/NDF: 72.7/34

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

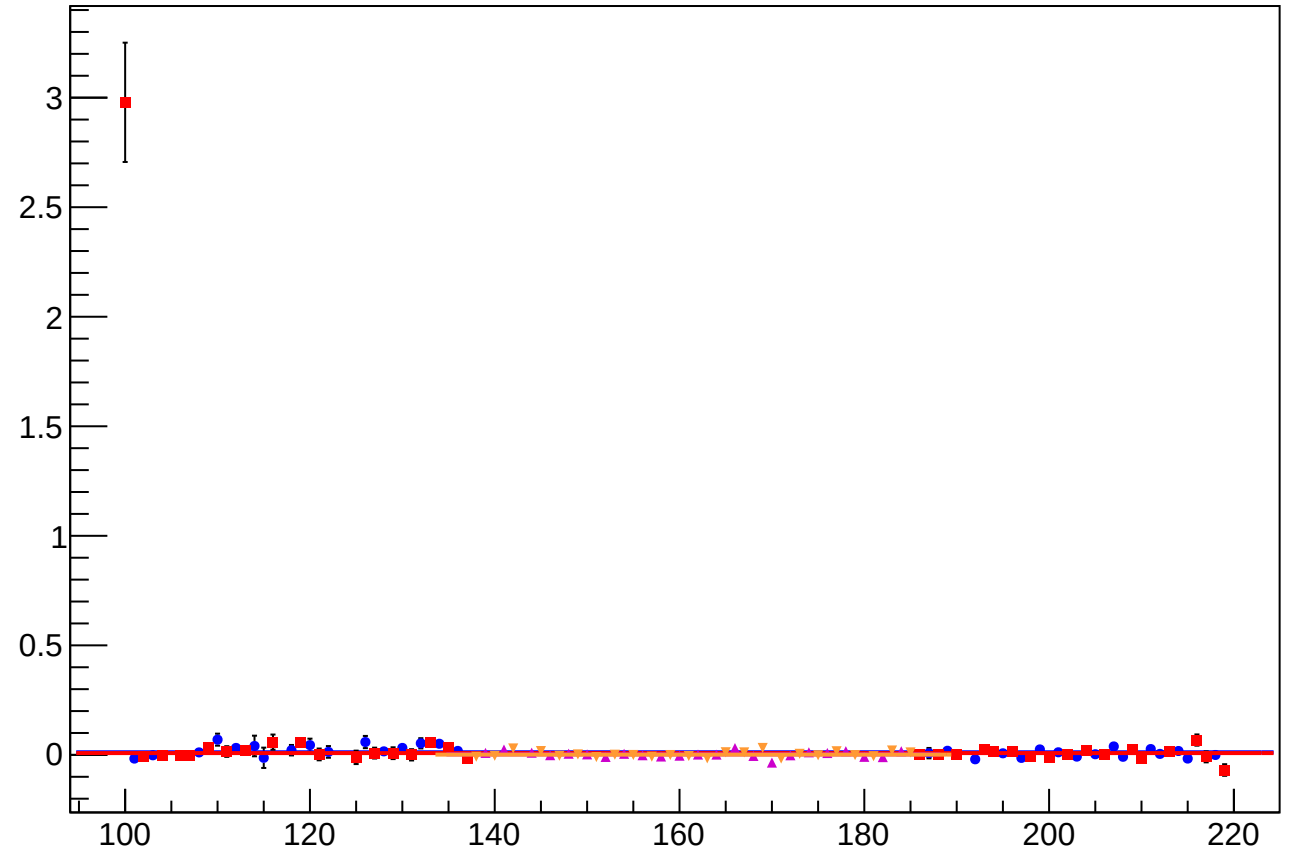
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.113+/-0.045 χ^2/NDF: 129.6/66

In: -0.089+/-0.040 χ^2/NDF:123.8/54

Out: -0.148+/-0.039 χ^2/NDF:113.9/58

All: -0.119+/-0.028 χ^2/NDF: 238.8/113



Right In: 0.012+/-0.003 χ^2/NDF: 47.3/31

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.008+/-0.003 χ^2/NDF: 166.8/34

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

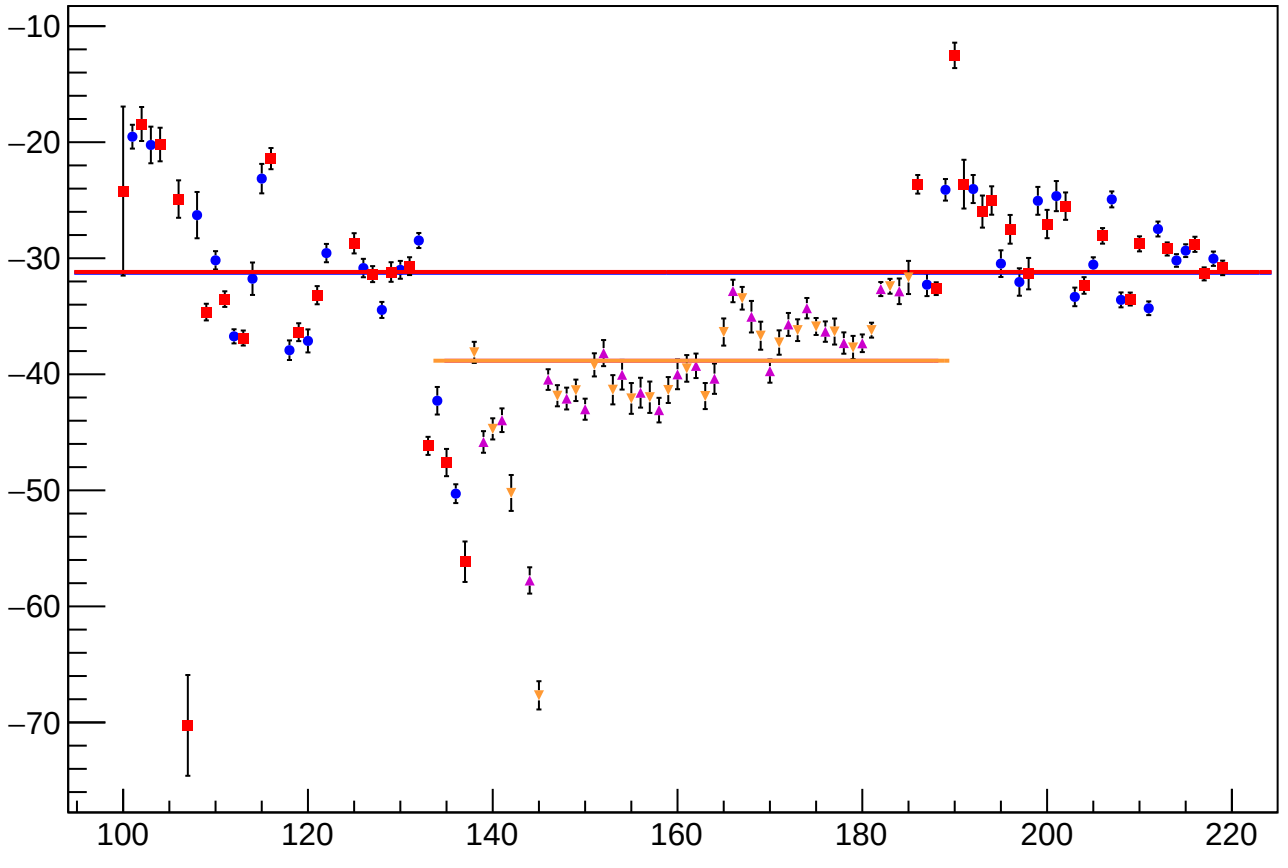
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.010+/-0.002 χ^2/NDF: 214.9/66

In: 0.006+/-0.002 χ^2/NDF:78.4/54

Out: 0.004+/-0.002 χ^2/NDF:197.1/58

All: 0.005+/-0.001 χ^2/NDF: 276.1/113



Right In: -31.250+/-0.142 χ^2/NDF: 1425.3/31

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.180+/-0.138 χ^2/NDF: 1852.6/35

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

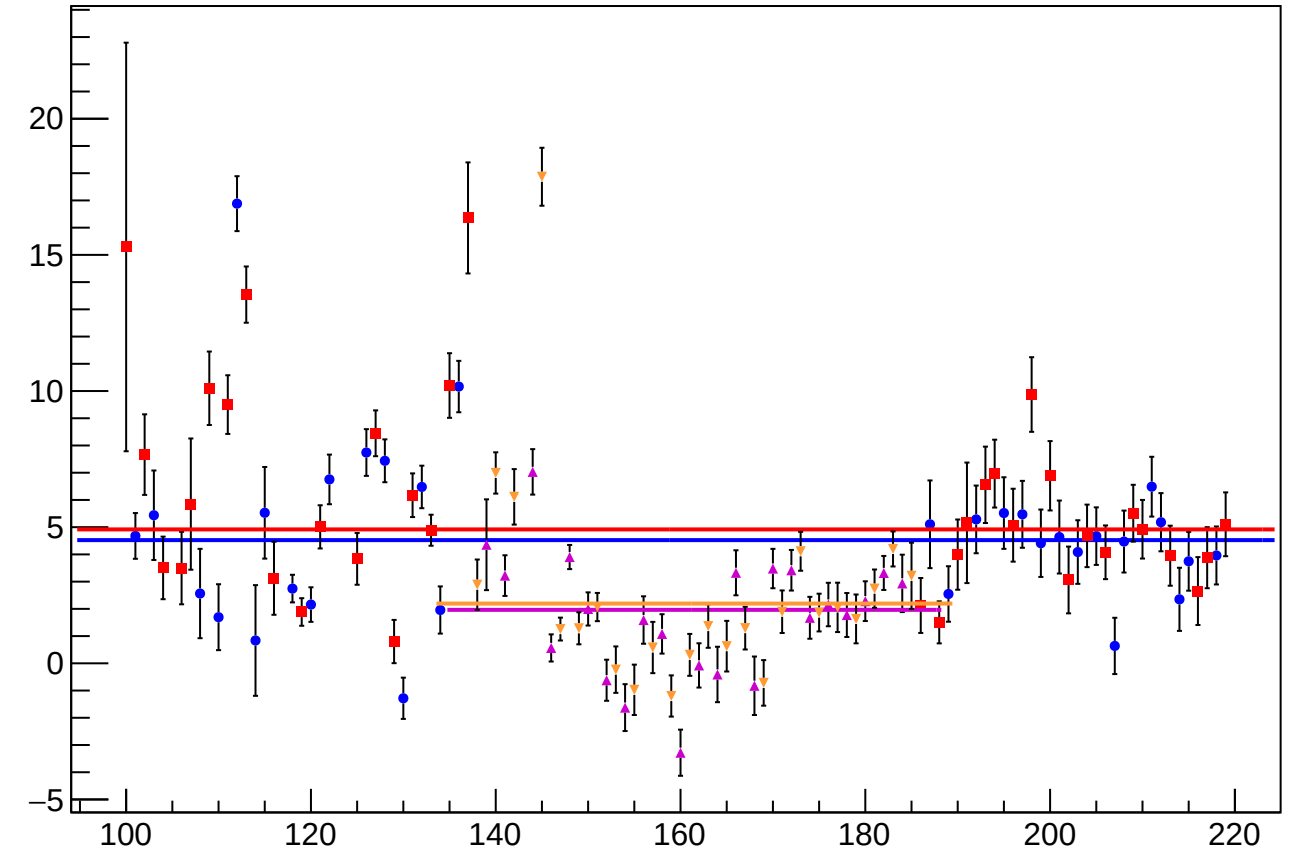
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.214+/-0.099 χ^2/NDF: 3278.0/67

In: -33.730+/-0.116 χ^2/NDF:3015.2/54

Out: -33.620+/-0.114 χ^2/NDF:3745.6/59

All: -33.674+/-0.081 χ^2/NDF: 6761.3/114



Right In: 4.525+/-0.175 χ^2/NDF: 358.2/31

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 4.918+/-0.173 χ^2/NDF: 303.5/35

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

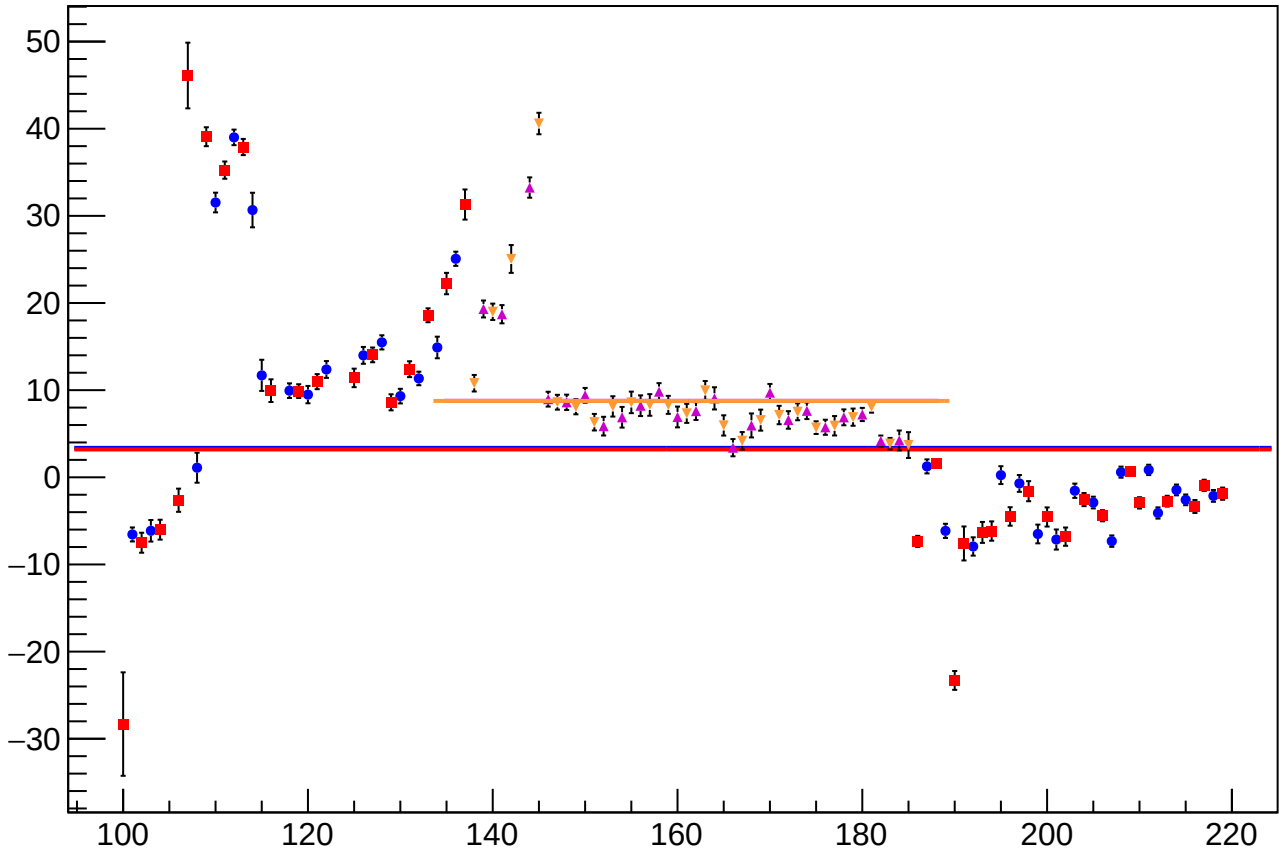
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.724+/-0.123 χ^2/NDF: 664.2/67

In: 3.090+/-0.116 χ^2/NDF:651.9/54

Out: 3.386+/-0.114 χ^2/NDF:808.7/59

All: 3.240+/-0.081 χ^2/NDF: 1463.9/114



Right In: 3.379+/-0.149 χ^2/NDF: 5350.5/31

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 3.195+/-0.144 χ^2/NDF: 7118.7/35

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

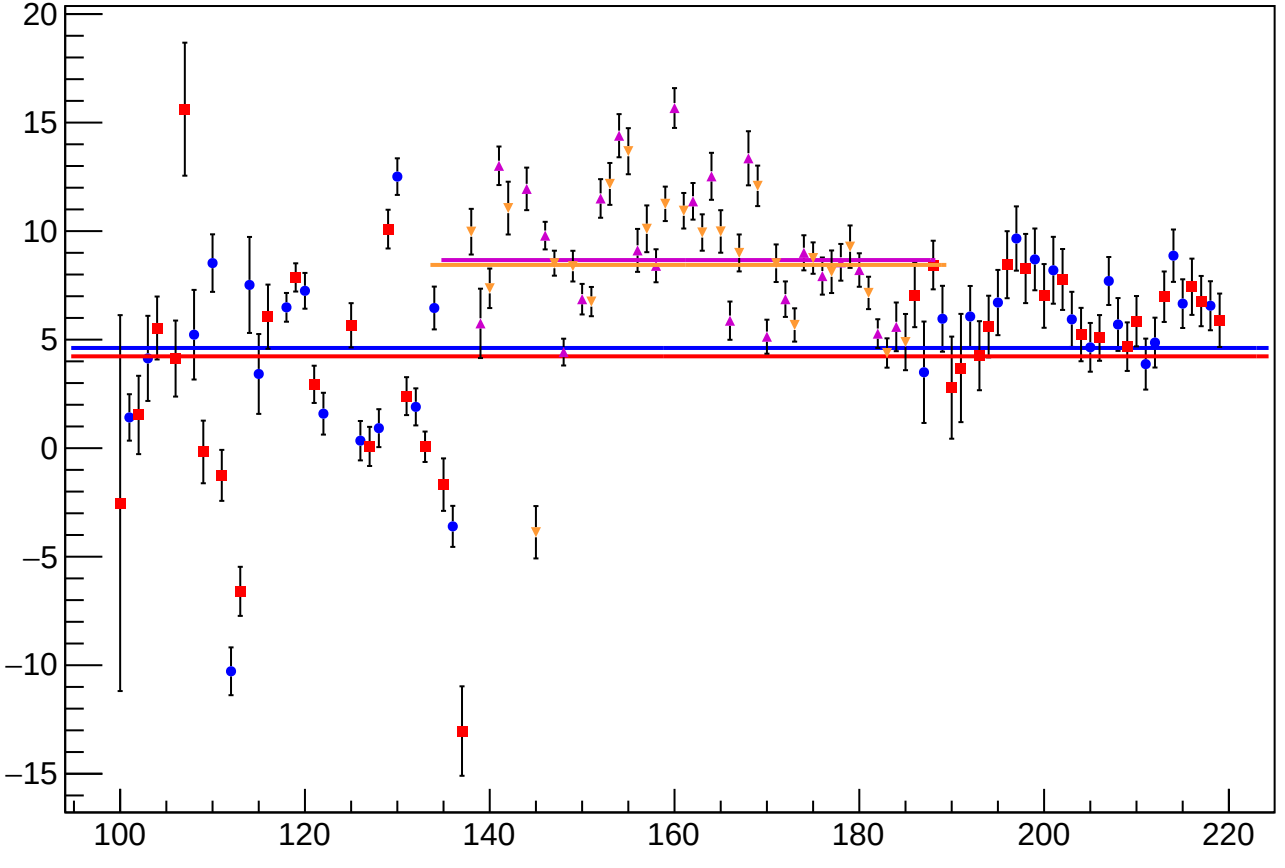
Right: 3.284+/-0.104 χ^2/NDF: 12470.0/67

In: 5.283+/-0.120 χ^2/NDF:6609.6/54

Out: 5.096+/-0.117 χ^2/NDF:8662.7/59

All: 5.187+/-0.084 χ^2/NDF: 15273.5/114

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.617+/-0.199 χ^2/NDF: 505.8/31

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 4.231+/-0.199 χ^2/NDF: 440.2/35

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

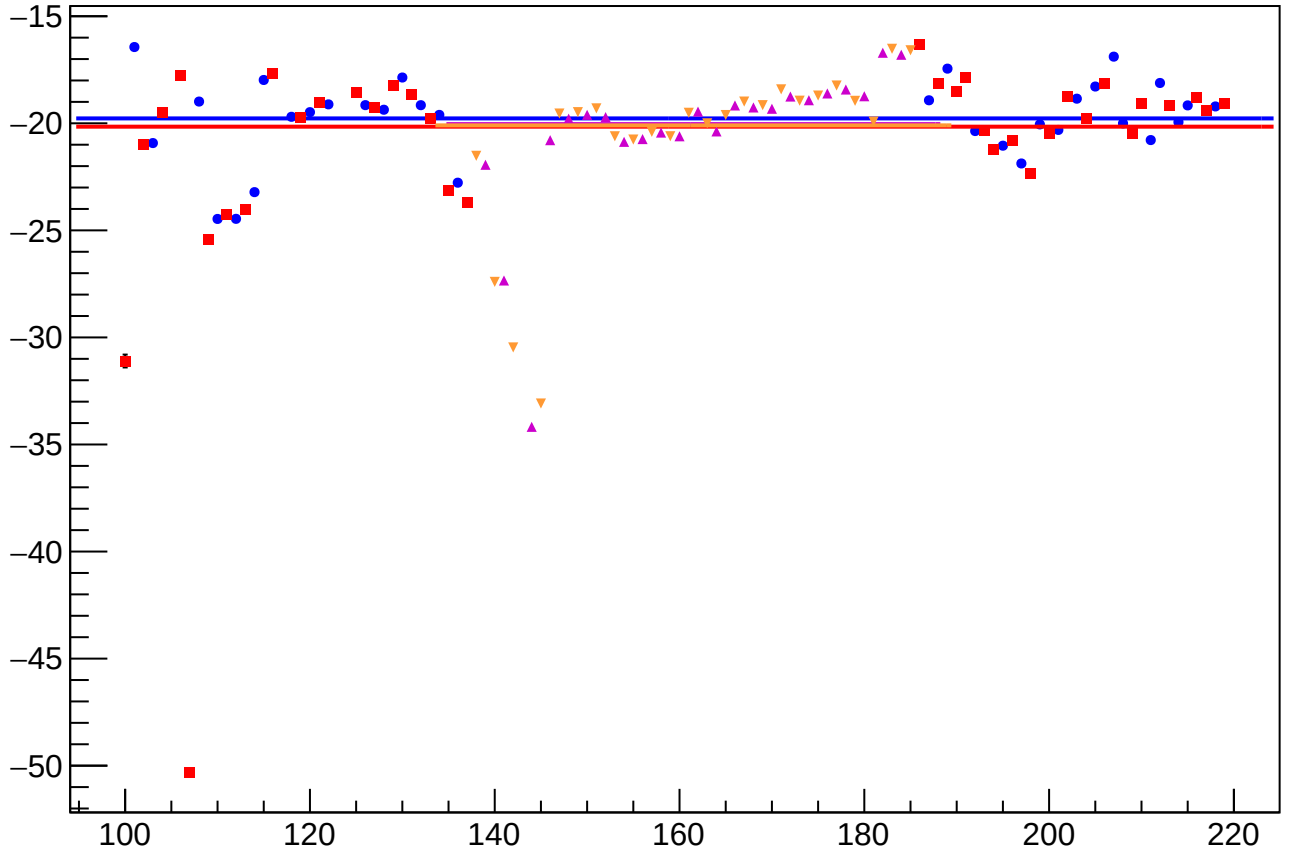
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 4.423+/-0.141 χ^2/NDF: 947.9/67

In: 6.897+/-0.132 χ^2/NDF:1042.7/54

Out: 6.624+/-0.131 χ^2/NDF:958.7/59

All: 6.760+/-0.093 χ^2/NDF: 2003.6/114



Right In: -19.772+/-0.010 χ^2/NDF: 32578.5/31

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.157+/-0.010 χ^2/NDF: 73099.3/35

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

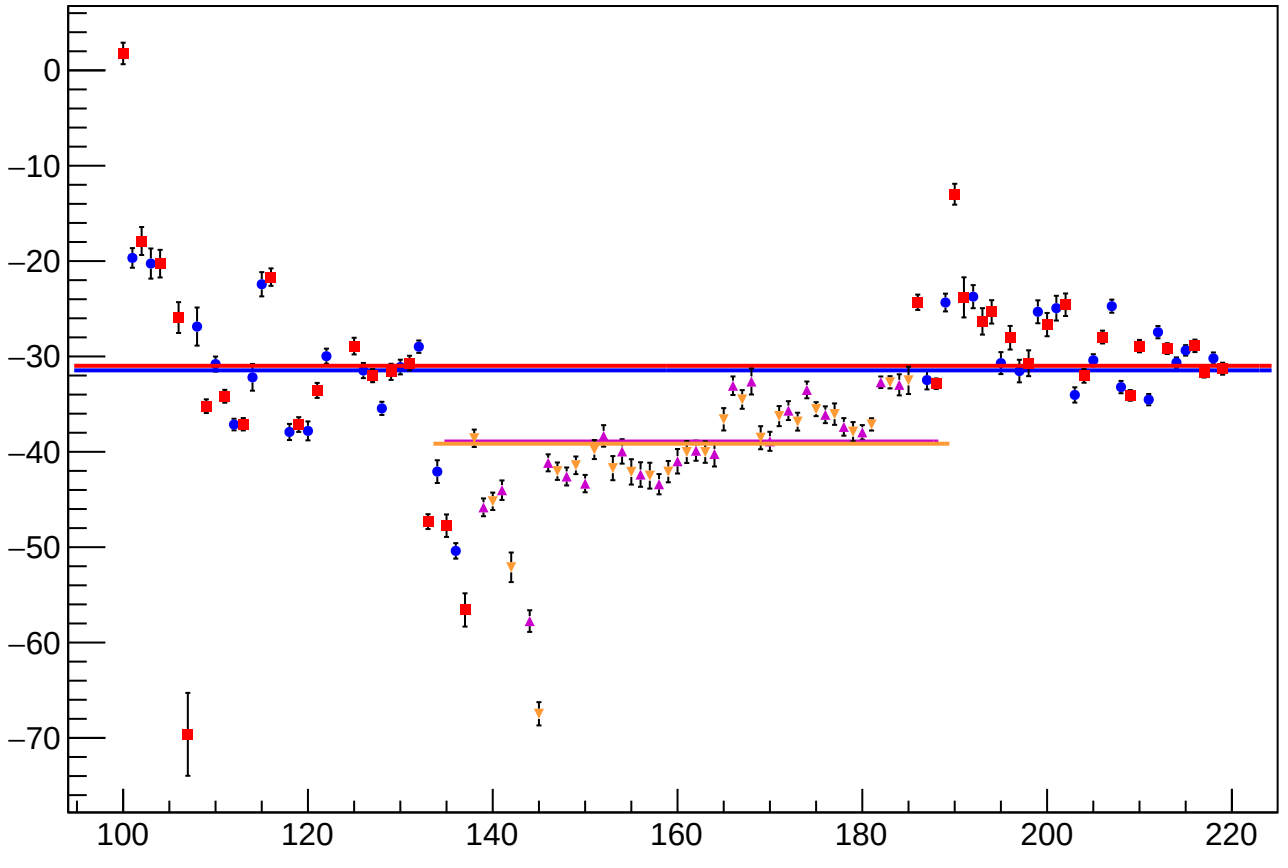
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

Right: -19.966+/-0.007 χ^2/NDF: 106429.7/67

In: -19.935+/-0.006 χ^2/NDF:165306.2/54

Out: -20.120+/-0.006 χ^2/NDF:232415.9/59

All: -20.028+/-0.004 χ^2/NDF: 398167.6/114



Right In: -31.459+/-0.142 χ^2/NDF: 1452.2/31

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -30.979+/-0.137 χ^2/NDF: 2782.2/35

Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

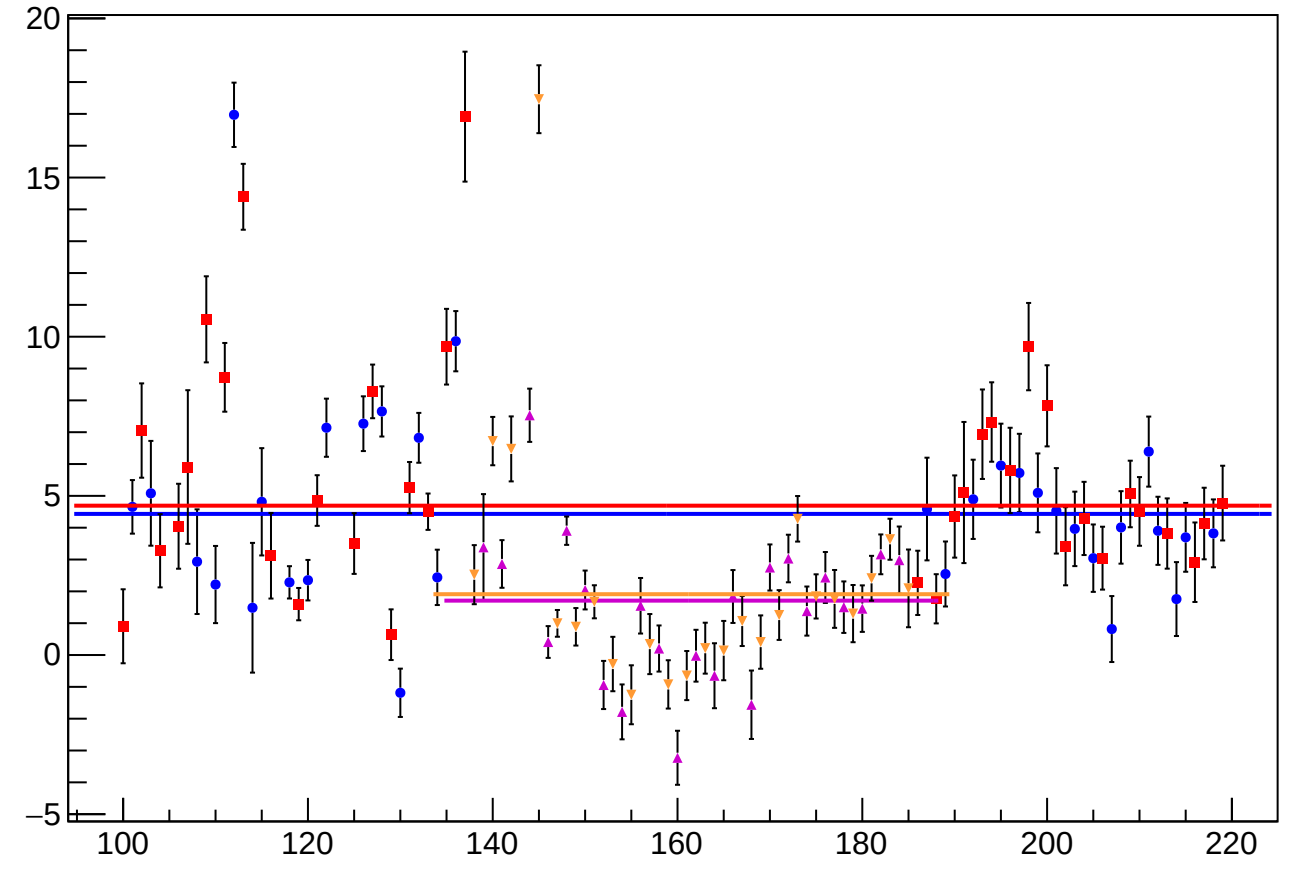
Left: -39.036+/-0.144 χ^2/NDF: 1583.8/46

Right: -31.211+/-0.099 χ^2/NDF: 4240.3/67

In: -33.898+/-0.116 χ^2/NDF:3039.4/54

Out: -33.558+/-0.114 χ^2/NDF:4795.2/59

All: -33.724+/-0.081 χ^2/NDF: 7838.9/114



Right In: 4.433+/-0.175 χ^2/NDF: 357.8/31

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.692+/-0.171 χ^2/NDF: 328.2/35

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

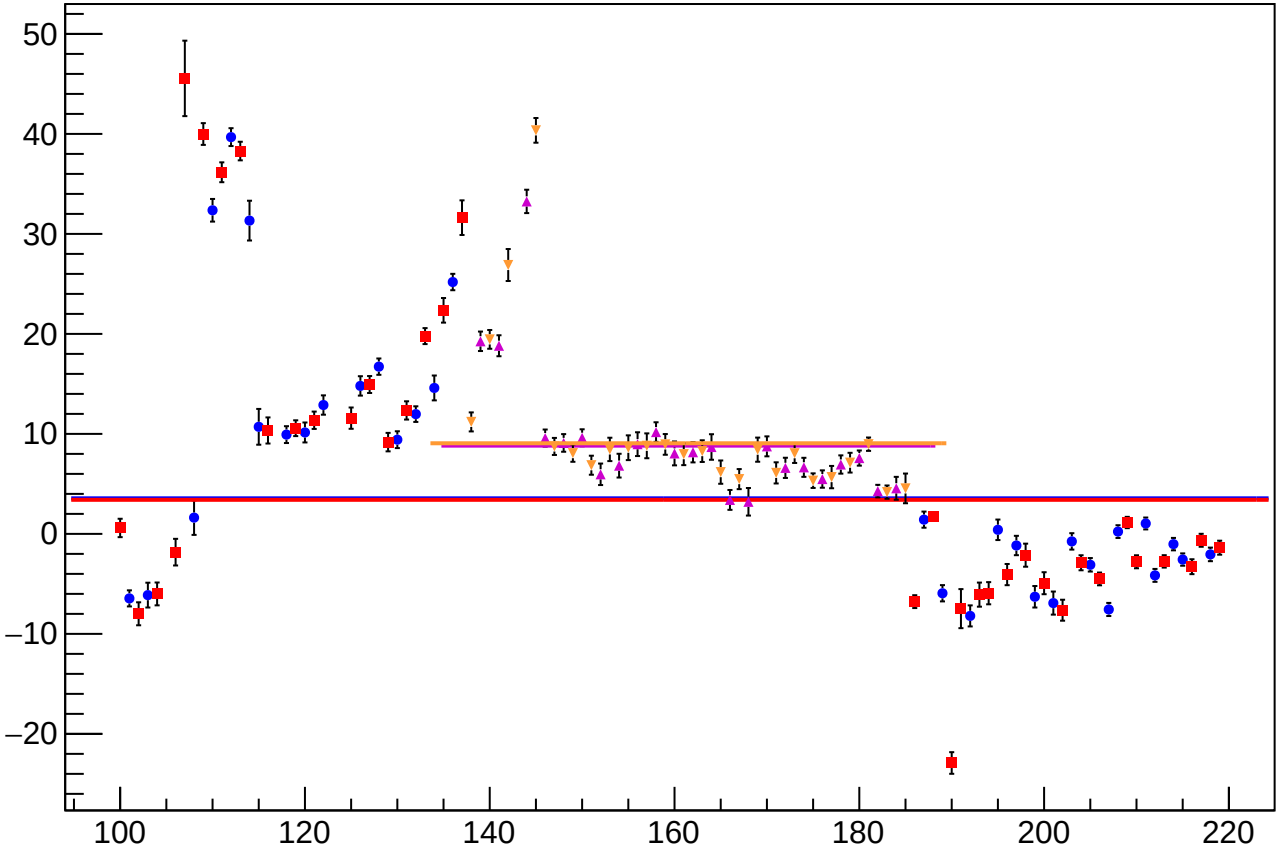
Right: 4.565+/-0.122 χ^2/NDF: 687.1/67

In: 2.907+/-0.116 χ^2/NDF:676.2/54

Out: 3.142+/-0.114 χ^2/NDF:834.8/59

All: 3.027+/-0.081 χ^2/NDF: 1513.1/114

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.555+/-0.149 χ^2/NDF: 5525.6/31

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 3.408+/-0.143 χ^2/NDF: 7294.6/35

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

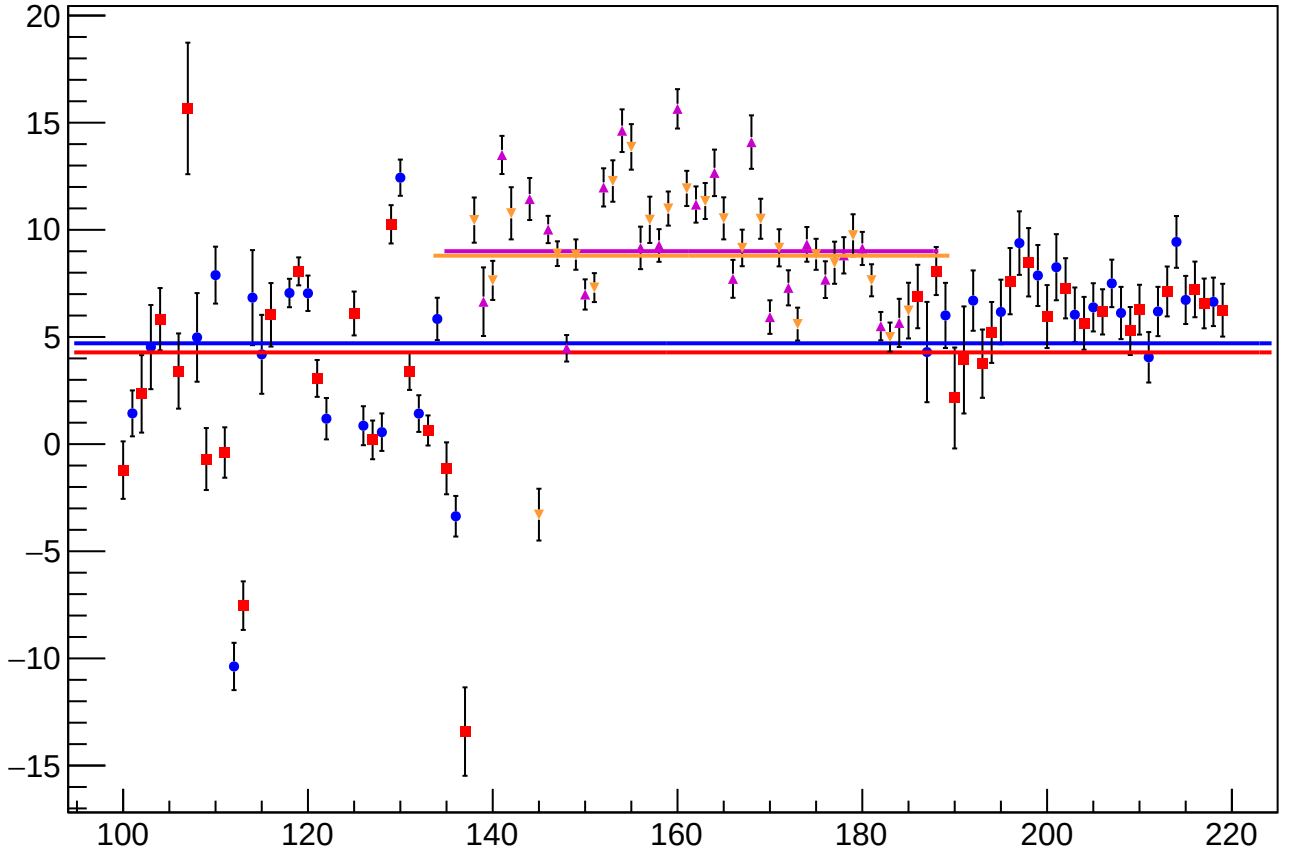
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 3.478+/-0.103 χ^2/NDF: 12820.7/67

In: 5.415+/-0.120 χ^2/NDF:6768.3/54

Out: 5.306+/-0.116 χ^2/NDF:8854.3/59

All: 5.359+/-0.084 χ^2/NDF: 15623.1/114



Right In: 4.705+/-0.200 χ^2/NDF: 507.5/31

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 4.280+/-0.197 χ^2/NDF: 455.2/35

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

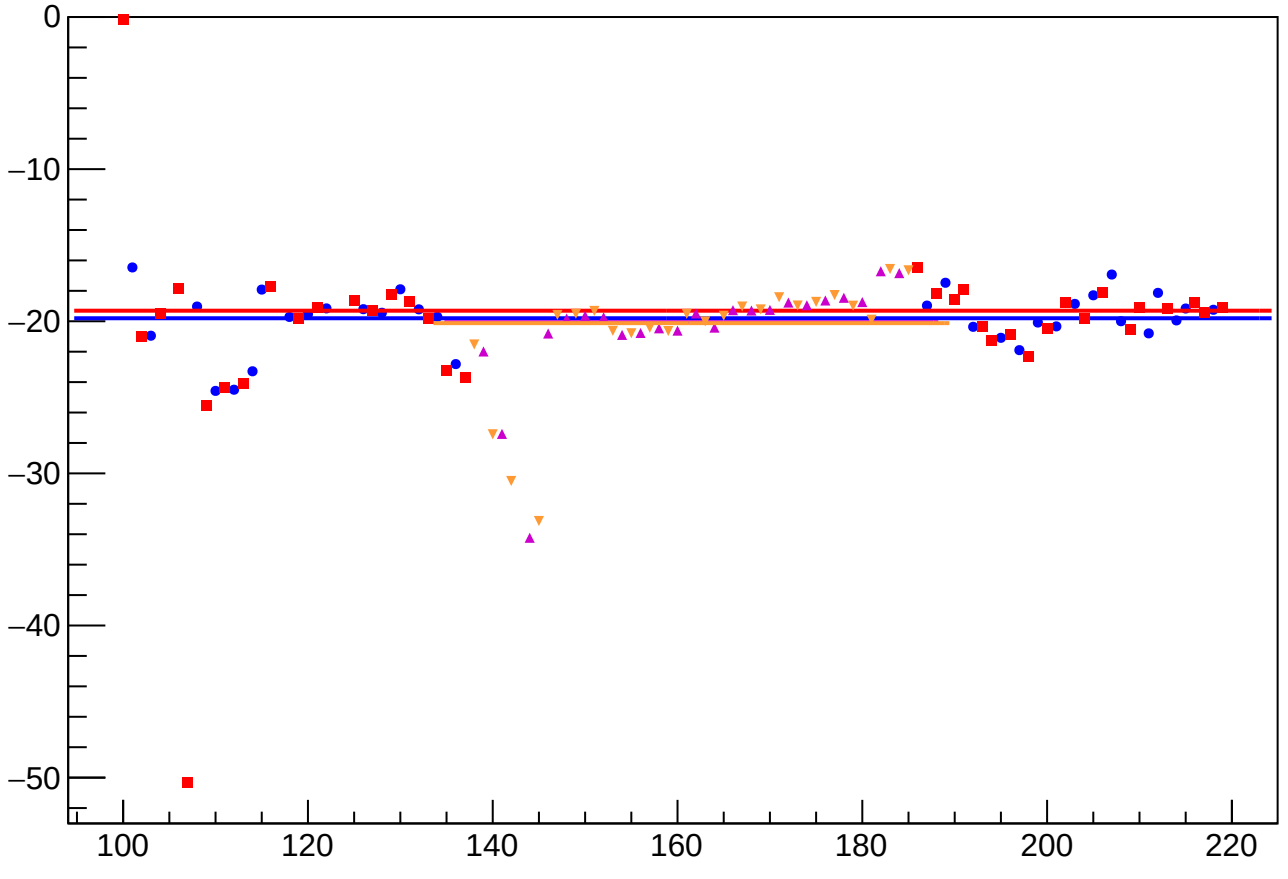
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 4.490+/-0.140 χ^2/NDF: 965.0/67

In: 7.126+/-0.132 χ^2/NDF:1057.6/54

Out: 6.821+/-0.130 χ^2/NDF:993.7/59

All: 6.972+/-0.093 χ^2/NDF: 2054.0/114



Right In: -19.802+/-0.010 χ^2/NDF: 32603.4/31

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.306+/-0.010 χ^2/NDF: 248164.3/35

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

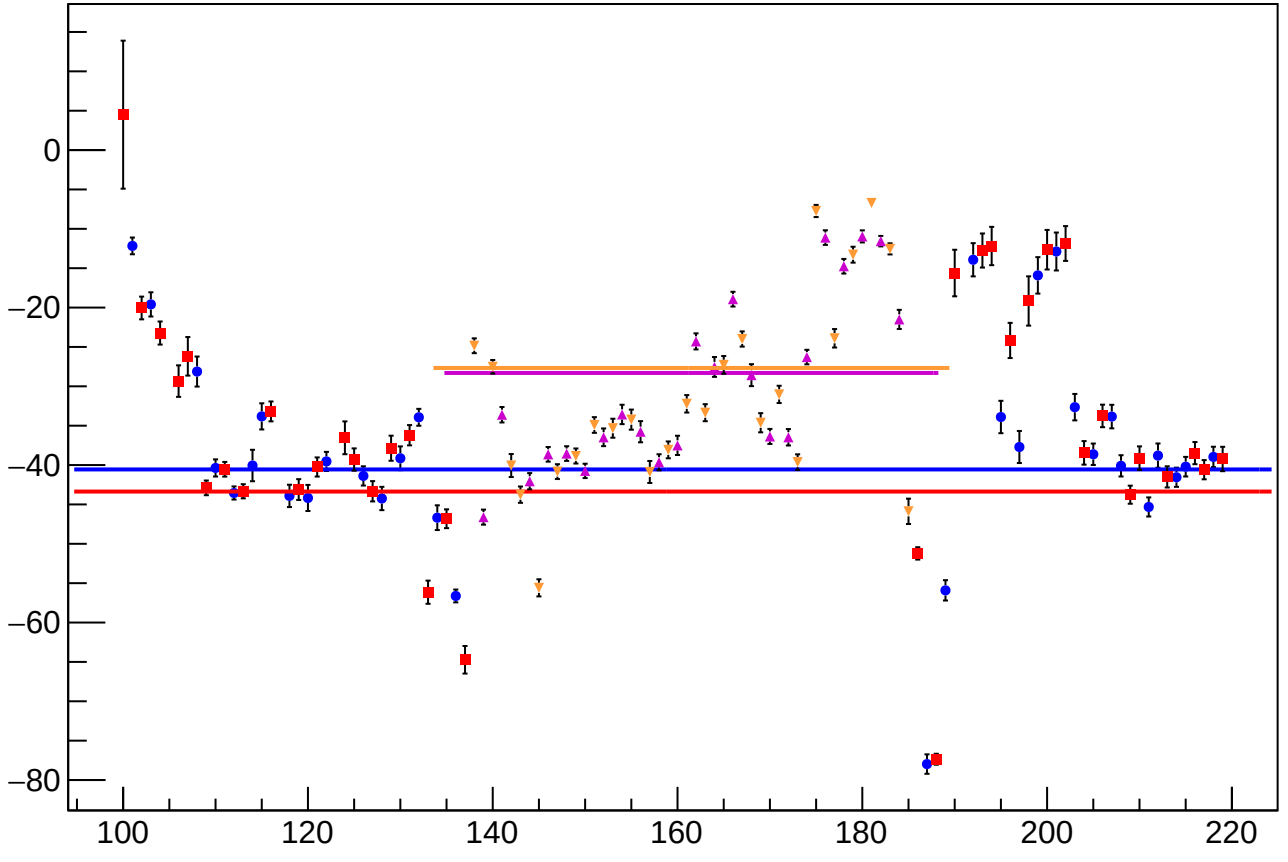
Right: -19.547+/-0.007 χ^2/NDF: 282036.4/67

In: -19.963+/-0.006 χ^2/NDF:165711.1/54

Out: -19.796+/-0.006 χ^2/NDF:410987.4/59

All: -19.879+/-0.004 χ^2/NDF: 577061.7/114

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -40.556+/-0.238 χ^2/NDF: 2969.3/31

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -43.366+/-0.225 χ^2/NDF: 4464.5/35

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

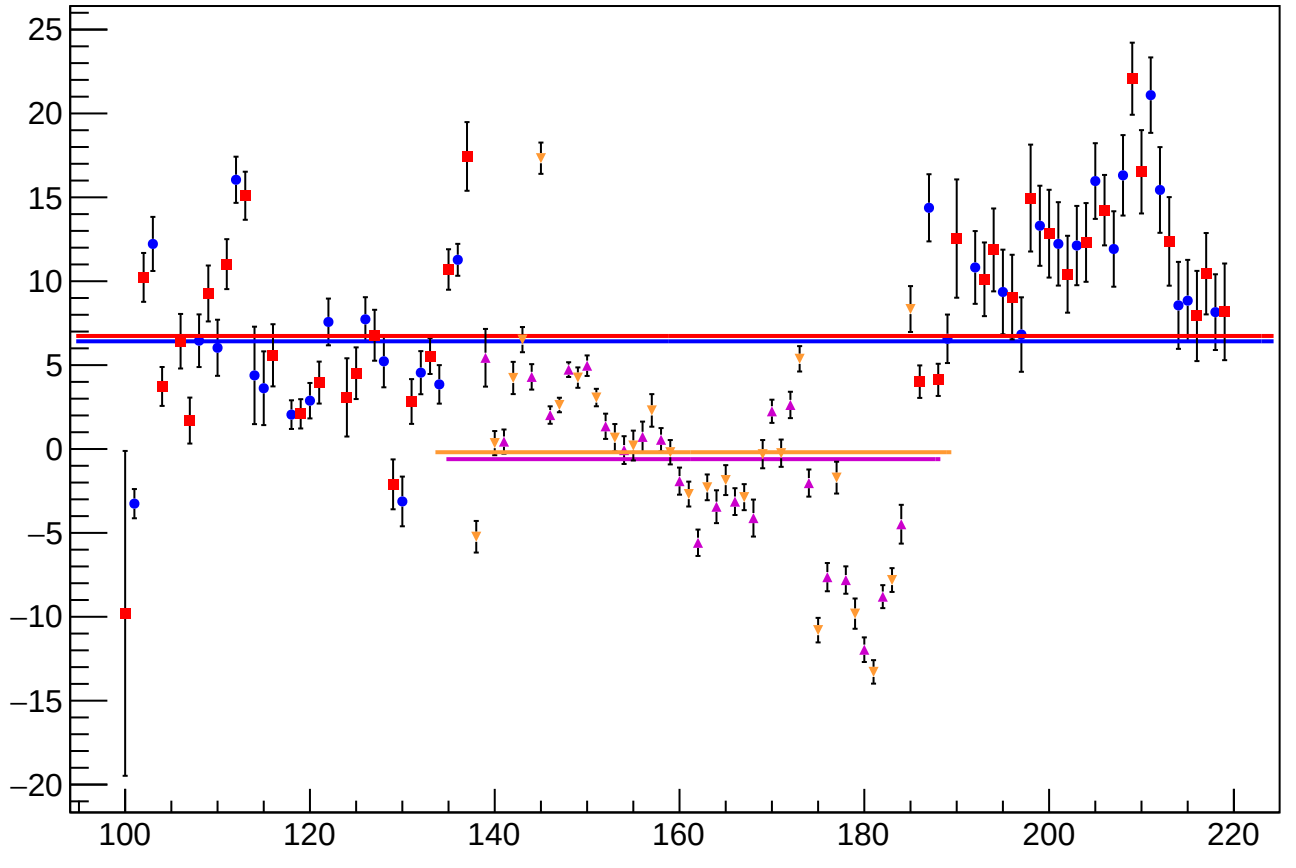
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -42.042+/-0.164 χ^2/NDF: 7507.2/67

In: -33.533+/-0.156 χ^2/NDF:7756.5/54

Out: -34.613+/-0.150 χ^2/NDF:11574.3/60

All: -34.094+/-0.108 χ^2/NDF: 19355.8/115



Right In: 6.419+/-0.275 χ^2/NDF: 441.0/31

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.738+/-0.266 χ^2/NDF: 327.5/35

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

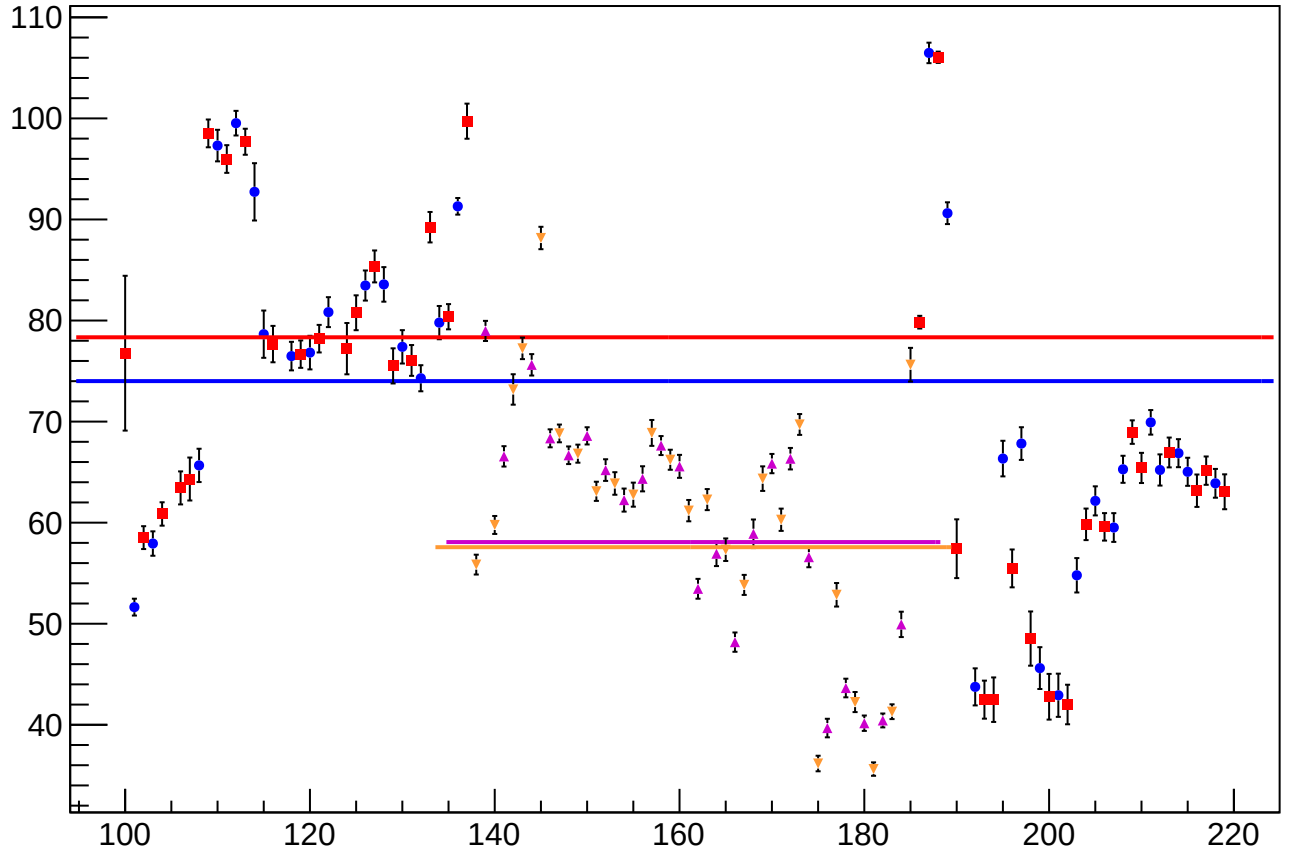
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 6.583+/-0.191 χ^2/NDF: 769.2/67

In: 1.096+/-0.135 χ^2/NDF:1911.8/54

Out: 1.478+/-0.131 χ^2/NDF:2386.4/60

All: 1.293+/-0.094 χ^2/NDF: 4302.3/115



Right In: 74.007+/-0.245 χ^2/NDF: 4662.5/31

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 78.342+/-0.227 χ^2/NDF: 6301.7/35

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

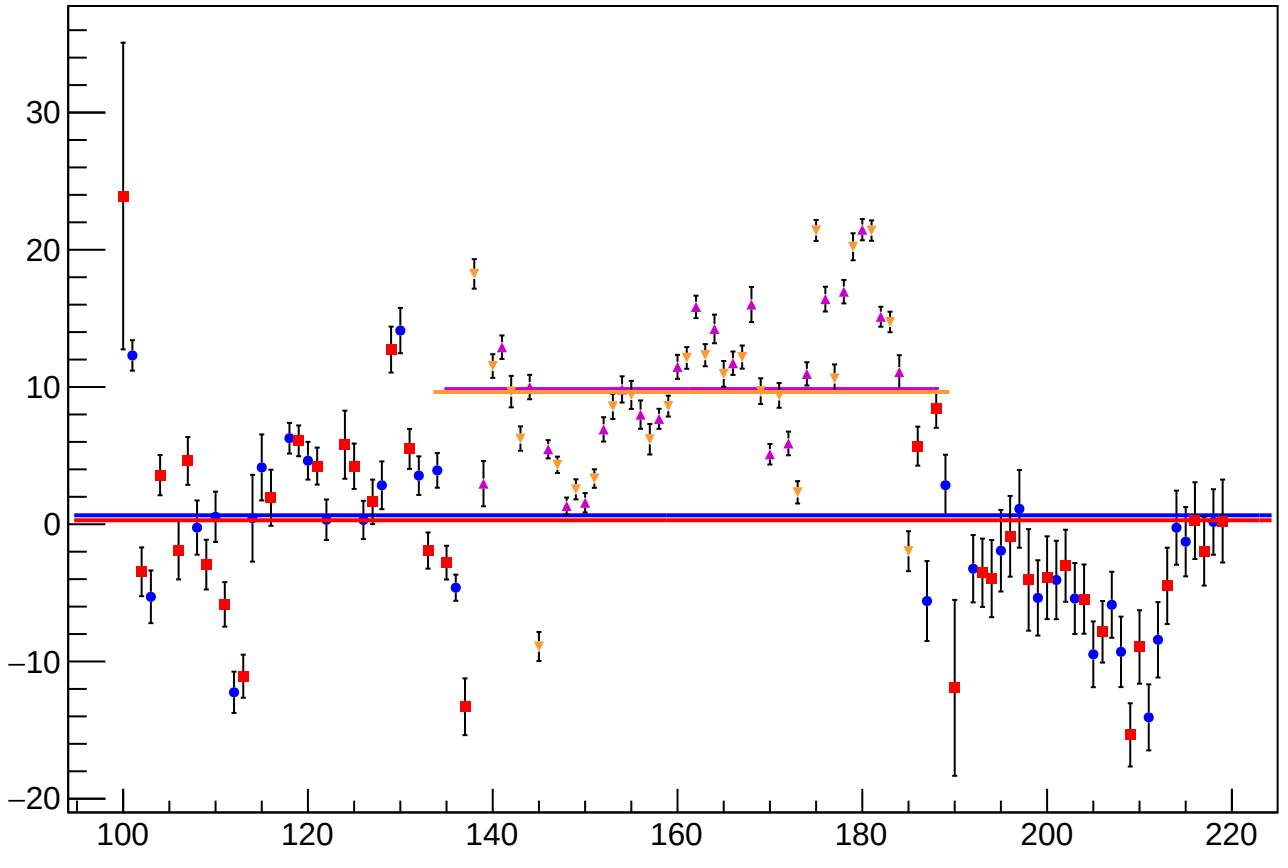
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 76.338+/-0.167 χ^2/NDF: 11132.0/67

In: 64.569+/-0.157 χ^2/NDF:10717.7/54

Out: 66.576+/-0.150 χ^2/NDF:15709.7/60

All: 65.617+/-0.108 χ^2/NDF: 26513.2/115



Right In: 0.651+/-0.316 χ^2/NDF: 450.2/31

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 0.289+/-0.314 χ^2/NDF: 398.4/35

Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

Left: 9.740+/-0.123 χ^2/NDF: 2485.2/47

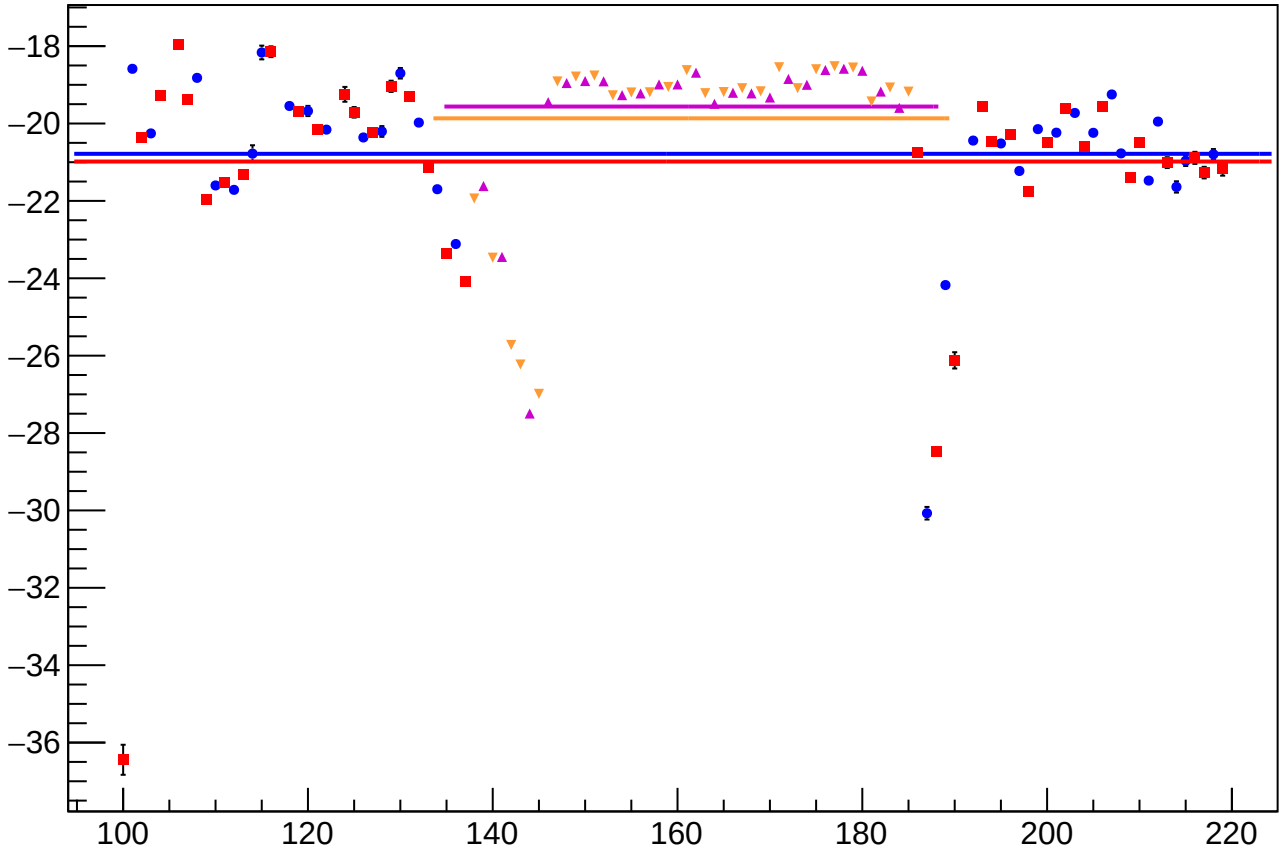
Right: 0.468+/-0.223 χ^2/NDF: 849.3/67

In: 7.670+/-0.154 χ^2/NDF:2088.0/54

Out: 7.486+/-0.150 χ^2/NDF:2573.9/60

All: 7.576+/-0.108 χ^2/NDF: 4662.6/115

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.783+/-0.015 χ^2/NDF: 12654.3/31

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.983+/-0.016 χ^2/NDF: 20706.6/35

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

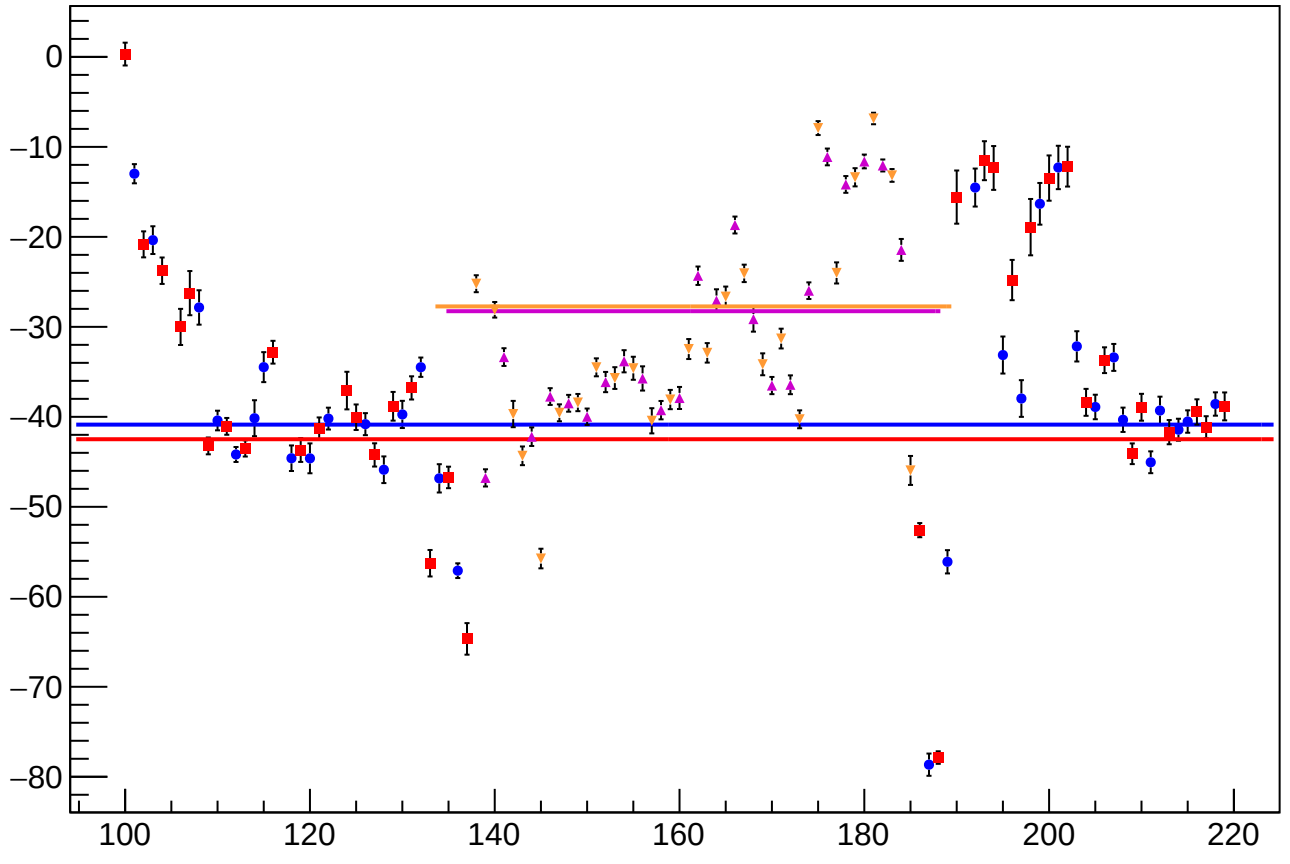
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.882+/-0.011 χ^2/NDF: 33443.3/67

In: -19.817+/-0.007 χ^2/NDF:62764.4/54

Out: -20.092+/-0.007 χ^2/NDF:103684.7/60

All: -19.956+/-0.005 χ^2/NDF: 167209.0/115



Right In: -40.866+/-0.239 χ^2/NDF: 2975.1/31

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -42.488+/-0.222 χ^2/NDF: 5657.8/35

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

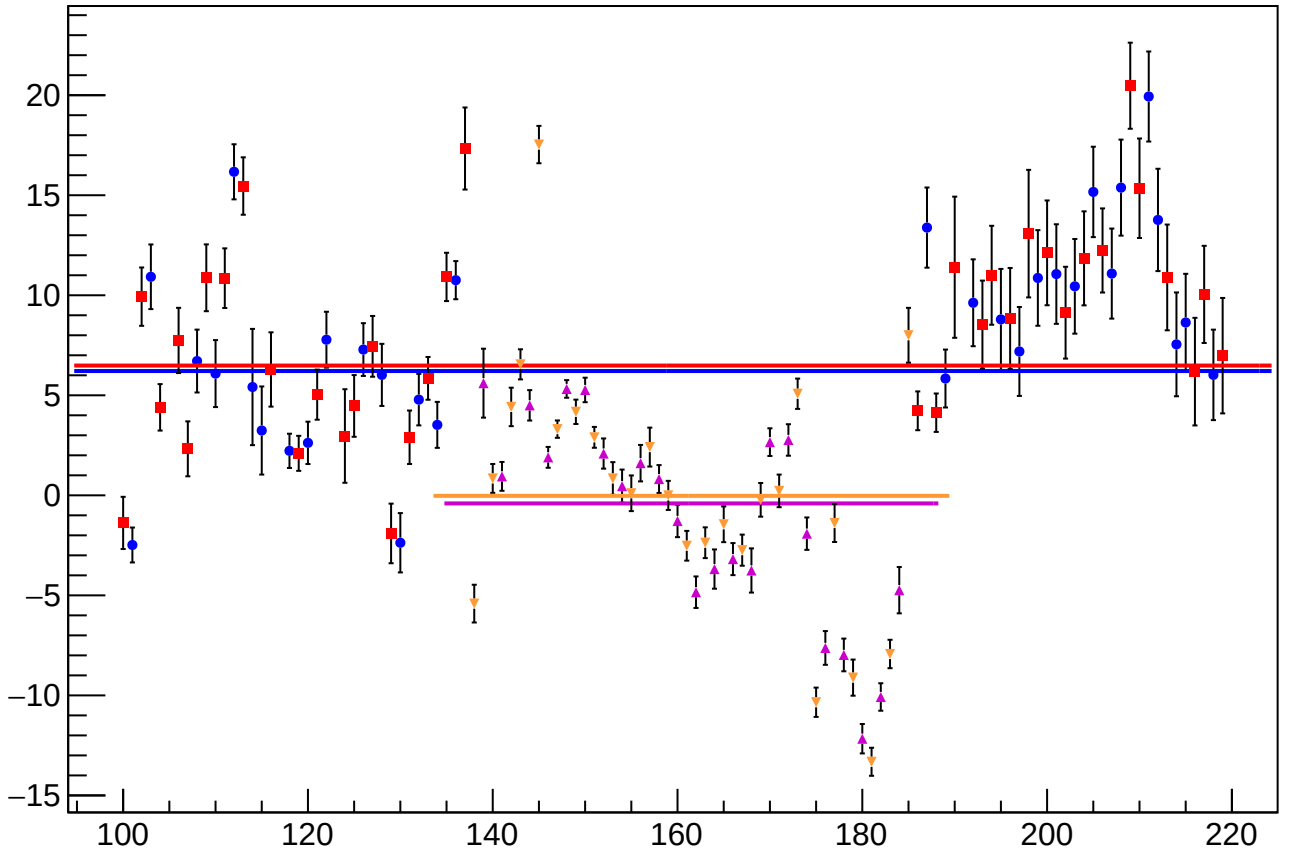
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -41.736+/-0.163 χ^2/NDF: 8657.7/67

In: -33.644+/-0.156 χ^2/NDF:7744.5/54

Out: -34.371+/-0.149 χ^2/NDF:12389.7/60

All: -34.024+/-0.108 χ^2/NDF: 20145.5/115



Right In: 6.213+/-0.275 χ^2/NDF: 369.7/31

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 6.487+/-0.261 χ^2/NDF: 322.5/35

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

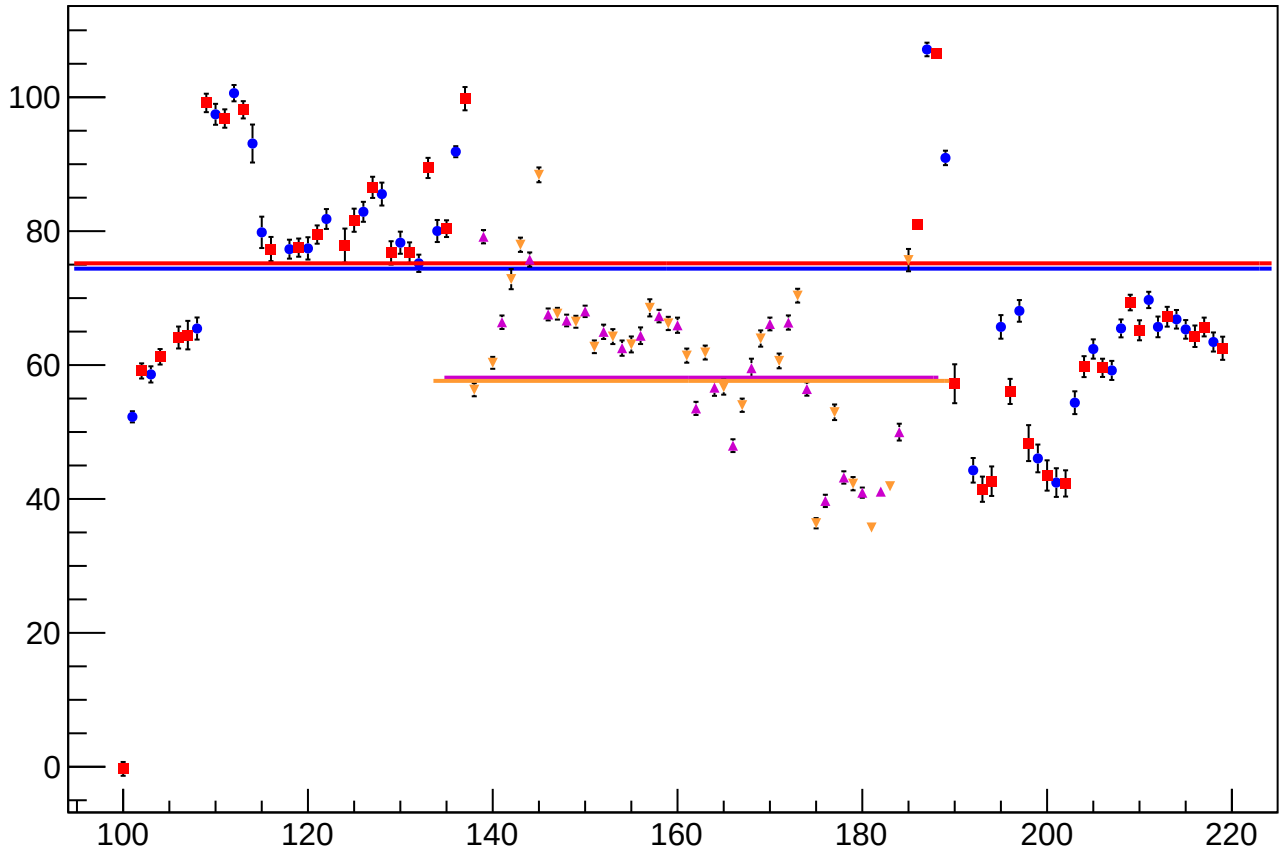
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 6.357+/-0.189 χ^2/NDF: 692.7/67

In: 1.199+/-0.135 χ^2/NDF:1892.8/54

Out: 1.591+/-0.130 χ^2/NDF:2320.6/60

All: 1.403+/-0.094 χ^2/NDF: 4217.8/115



Right In: 74.400+/-0.246 χ^2/NDF: 4742.6/31

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 75.196+/-0.223 χ^2/NDF: 11967.2/35

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

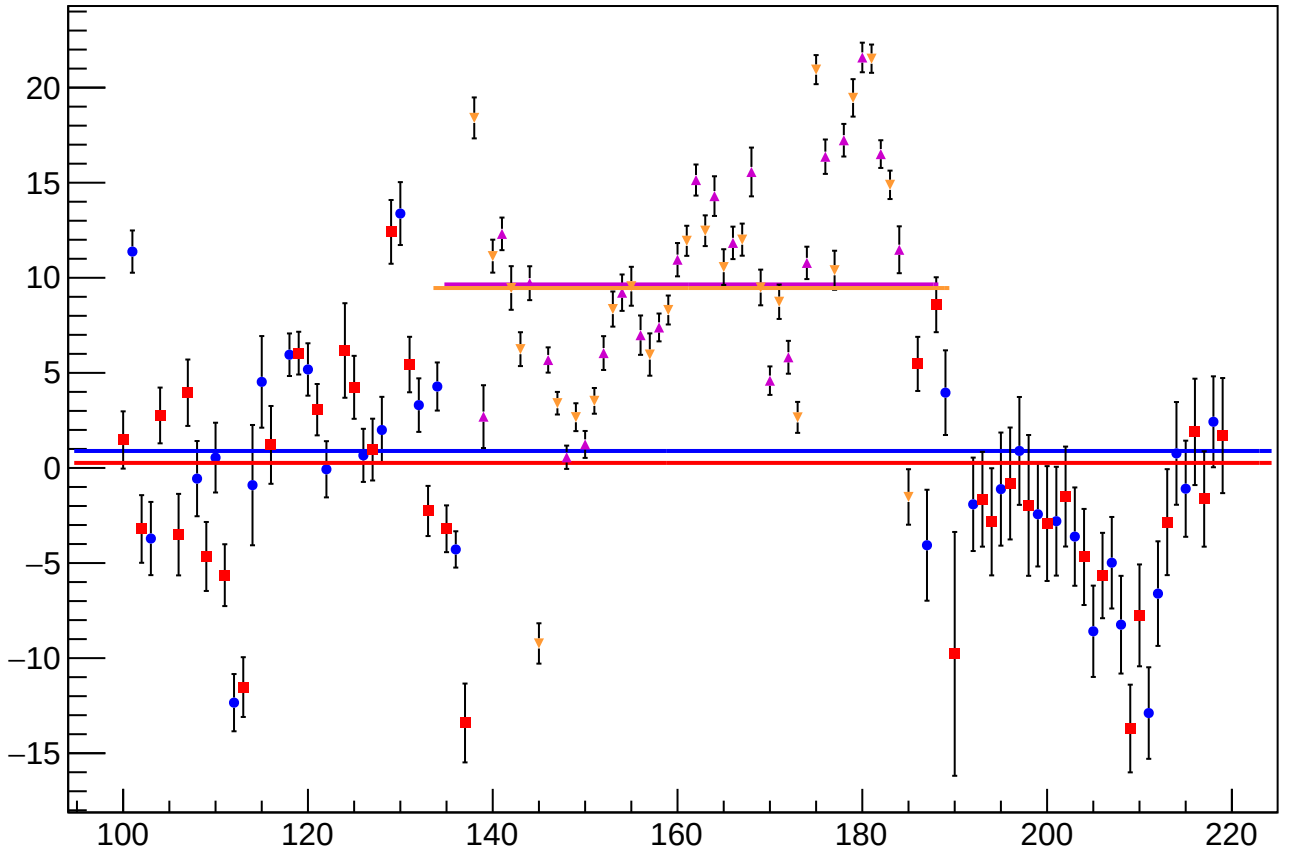
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 74.837+/-0.165 χ^2/NDF: 16715.6/67

In: 64.755+/-0.157 χ^2/NDF:10787.7/54

Out: 65.451+/-0.148 χ^2/NDF:20034.6/60

All: 65.122+/-0.108 χ^2/NDF: 30832.7/115



Right In: 0.893+/-0.317 χ^2/NDF: 390.9/31

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.266+/-0.308 χ^2/NDF: 366.1/35

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

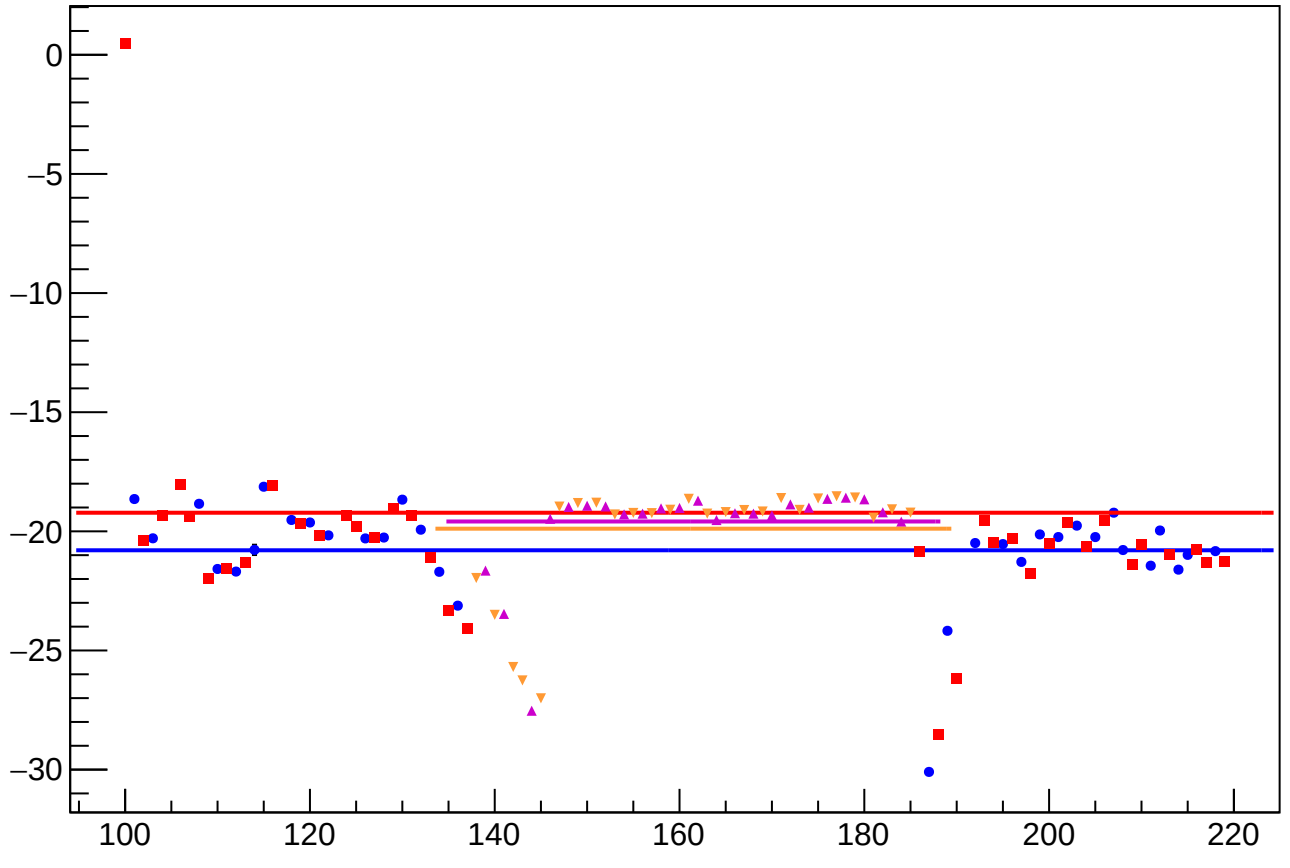
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

Right: 0.570+/-0.221 χ^2/NDF: 759.0/67

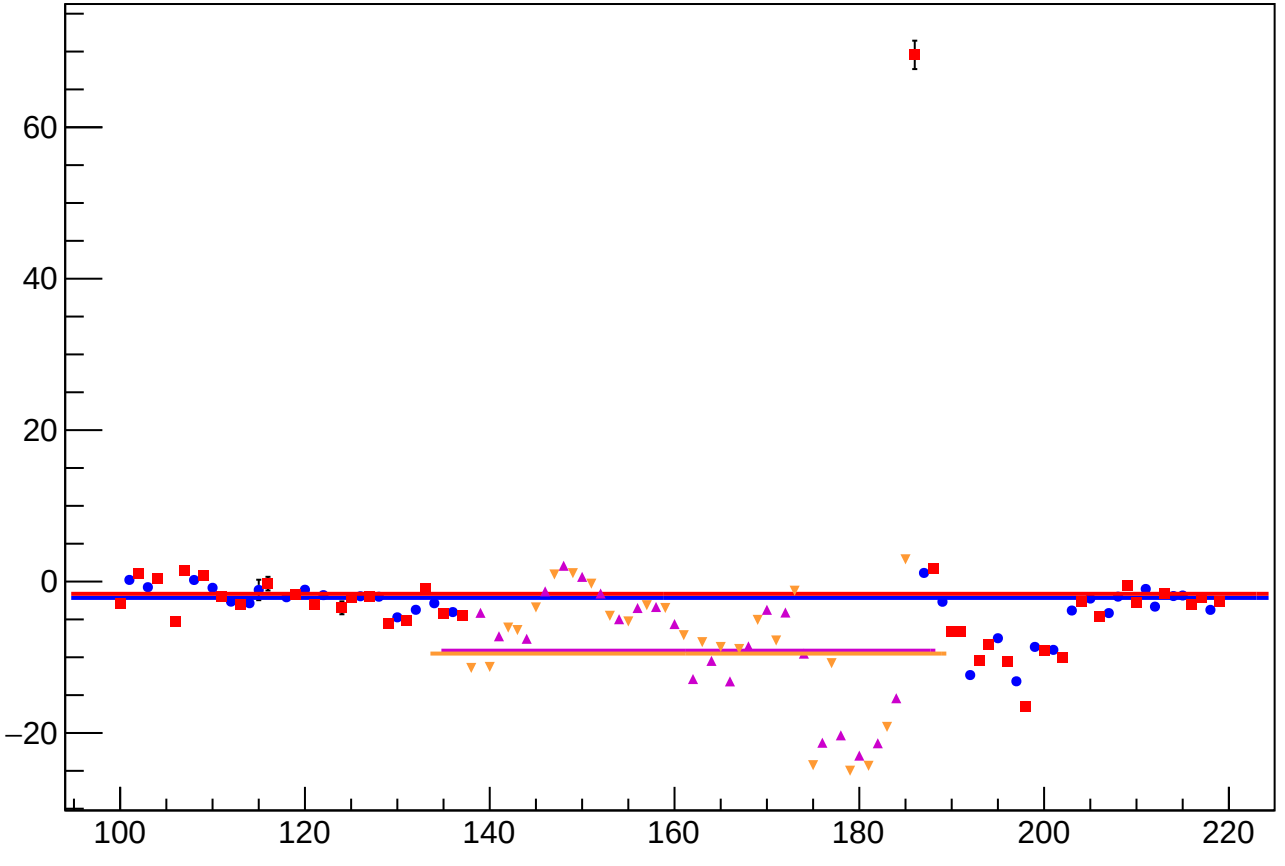
In: 7.574+/-0.154 χ^2/NDF:2052.2/54

Out: 7.278+/-0.150 χ^2/NDF:2530.6/60

All: 7.421+/-0.108 χ^2/NDF: 4584.7/115


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: -20.795+/-0.015 χ²/NDF: 12535.3/31
Left Out: -19.889+/-0.008 χ²/NDF:78512.6/24
Right Out: -19.219+/-0.015 χ²/NDF: 173067.6/35
Left In: -19.586+/-0.008 χ²/NDF:45085.3/22
Left: -19.739+/-0.006 χ²/NDF: 124326.8/47
Right: -19.981+/-0.011 χ²/NDF: 190953.3/67
In: -19.839+/-0.007 χ²/NDF:62439.9/54
Out: -19.744+/-0.007 χ²/NDF:253145.3/60
All: -19.791+/-0.005 χ²/NDF: 315677.8/115

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.159+/-0.047 χ^2/NDF: 3393.0/31

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.619+/-0.043 χ^2/NDF: 6999.3/36

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

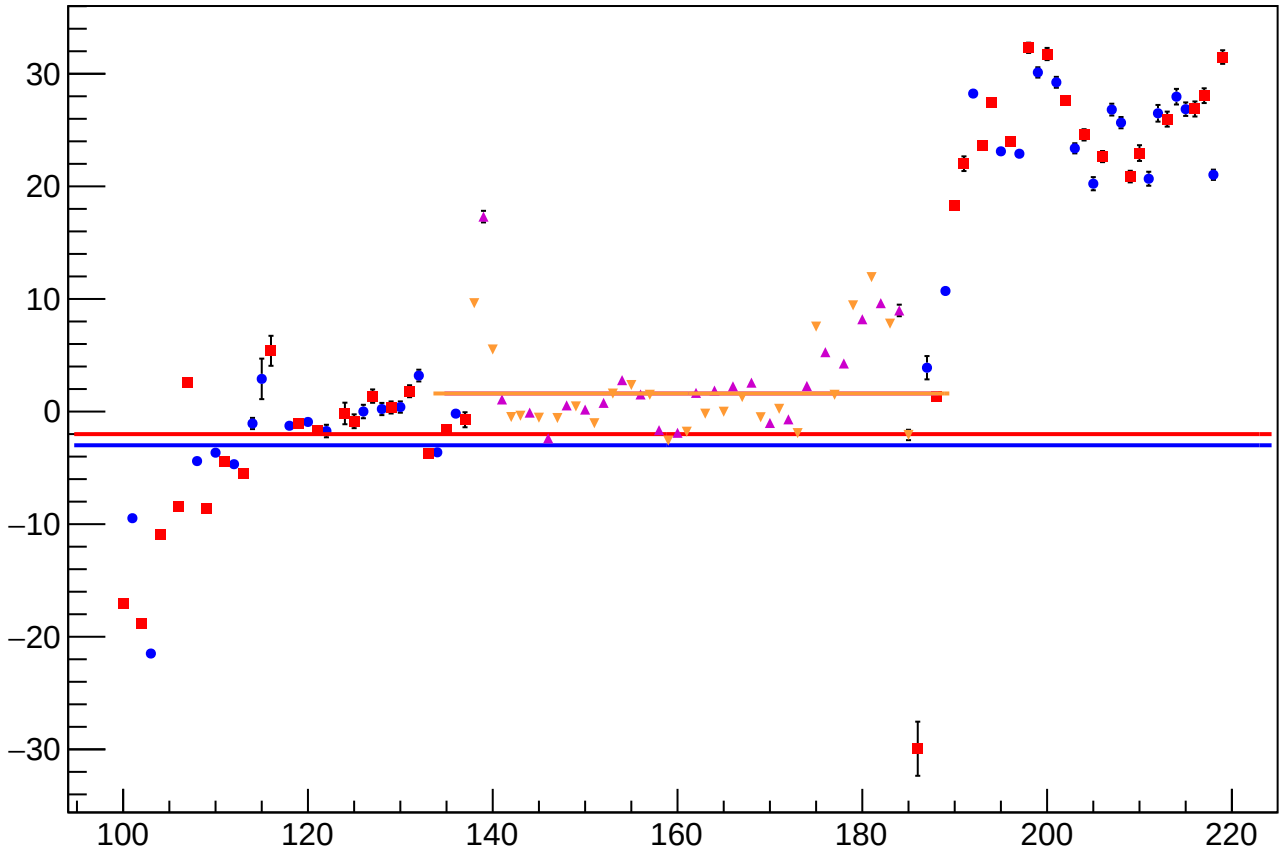
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.869+/-0.032 χ^2/NDF: 10464.6/68

In: -4.109+/-0.040 χ^2/NDF:20046.2/54

Out: -3.685+/-0.037 χ^2/NDF:28632.9/61

All: -3.884+/-0.027 χ^2/NDF: 48740.1/116



Right In: -2.994+/-0.052 χ^2/NDF: 71942.7/31

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -2.004+/-0.051 χ^2/NDF: 75801.2/36

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

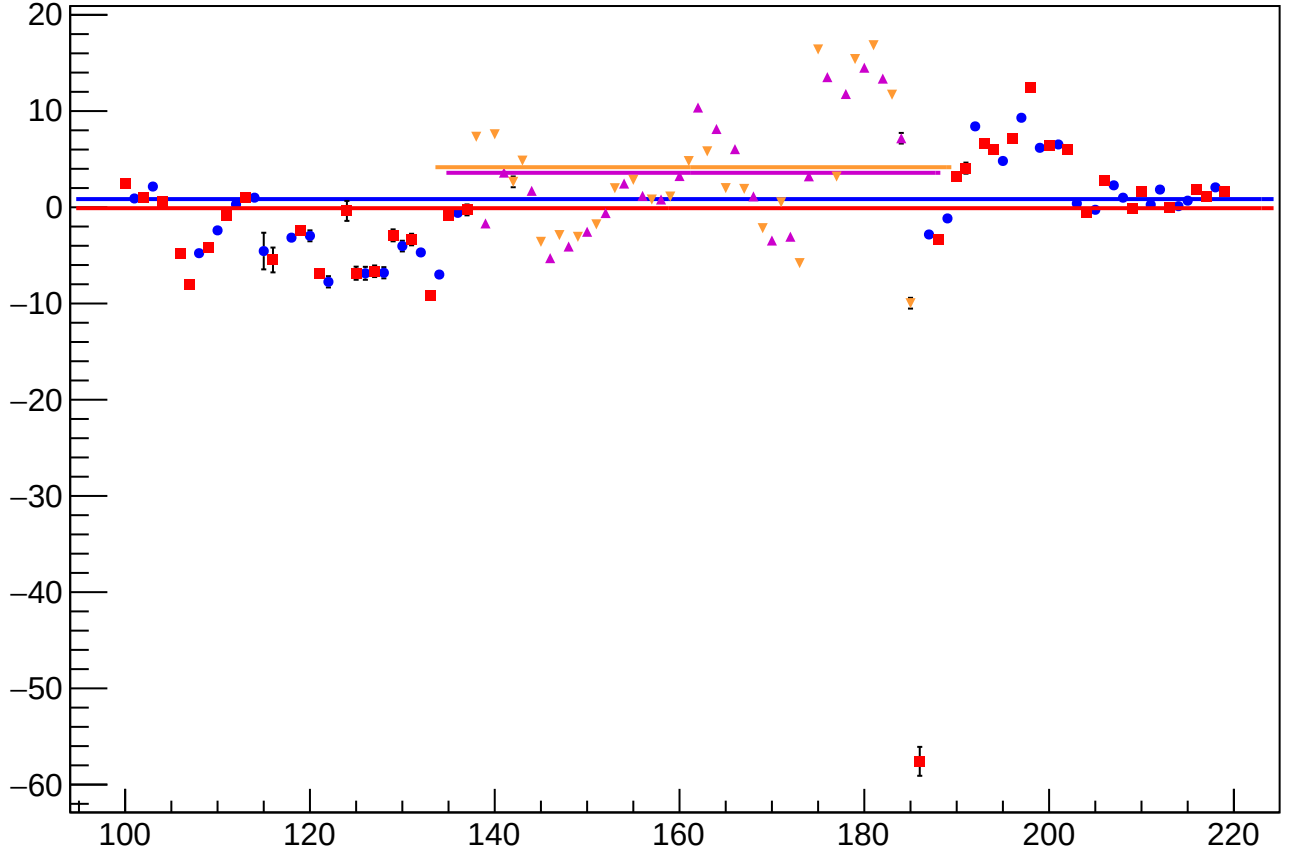
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -2.494+/-0.036 χ^2/NDF: 147929.2/68

In: -0.945+/-0.038 χ^2/NDF:79124.9/54

Out: -0.335+/-0.038 χ^2/NDF:82779.2/61

All: -0.632+/-0.027 χ^2/NDF: 162033.2/116



Right In: 0.853+/-0.045 χ^2/NDF: 4200.0/31

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.093+/-0.044 χ^2/NDF: 8287.5/36

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

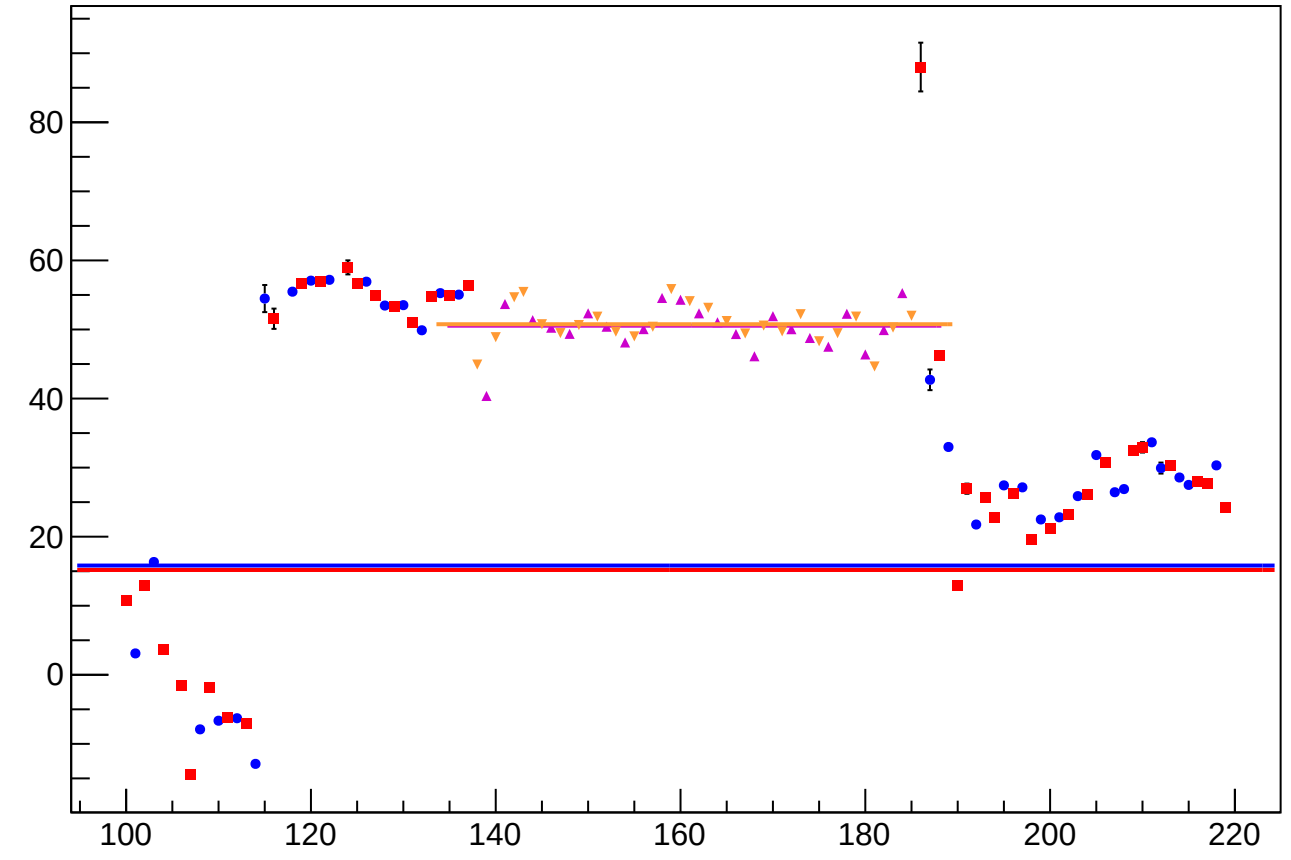
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: 0.366+/-0.032 χ^2/NDF: 12712.7/68

In: 1.595+/-0.039 χ^2/NDF:12421.5/54

Out: 1.060+/-0.038 χ^2/NDF:20079.9/61

All: 1.320+/-0.027 χ^2/NDF: 32600.5/116



Right In: 15.818+/-0.061 χ^2/NDF: 117485.5/31

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 15.177+/-0.060 χ^2/NDF: 133770.9/36

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

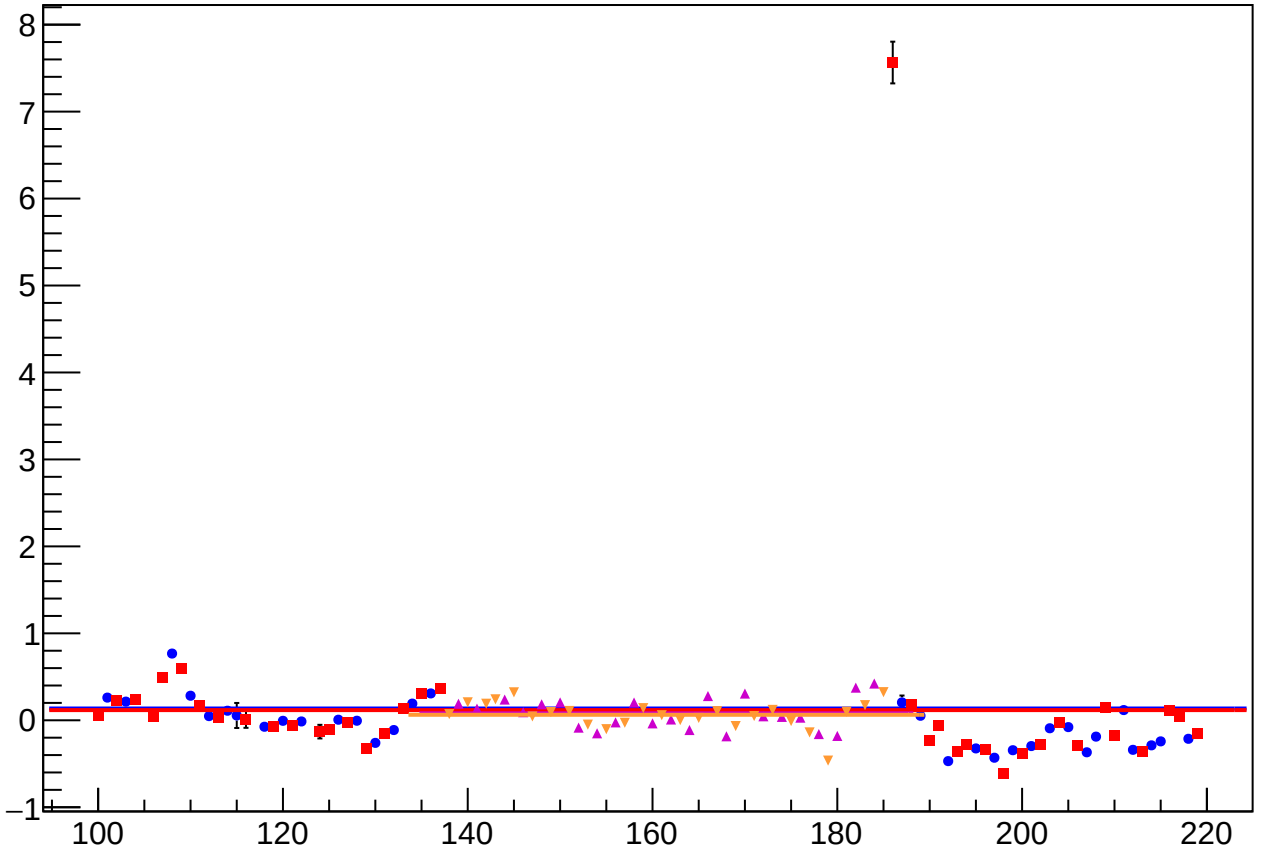
Right: 15.494+/-0.043 χ^2/NDF: 251312.0/68

In: 32.184+/-0.044 χ^2/NDF:271259.3/54

Out: 32.387+/-0.043 χ^2/NDF:303231.8/61

All: 32.288+/-0.031 χ^2/NDF: 574501.7/116

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.136+/-0.002 χ^2/NDF: 14091.3/31

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.117+/-0.002 χ^2/NDF: 13259.4/36

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

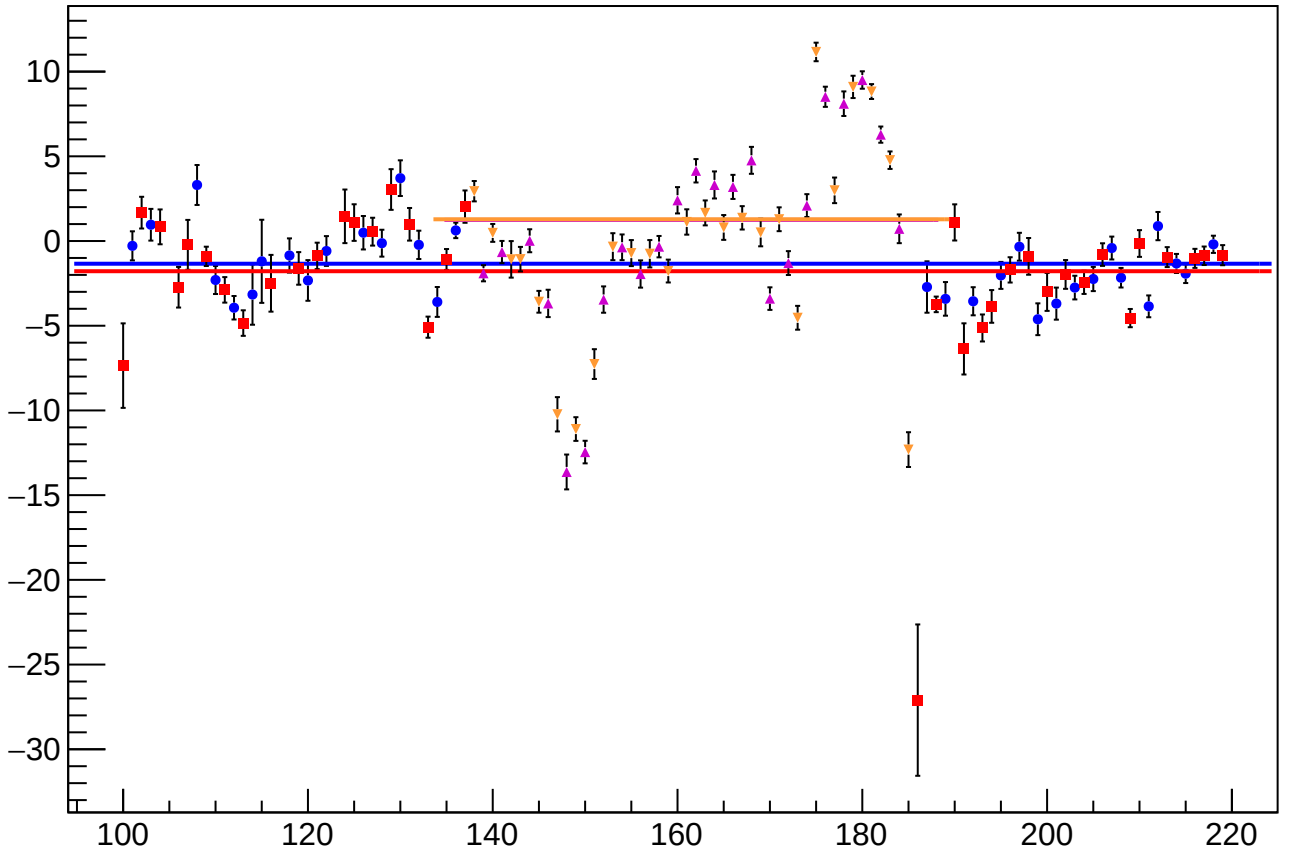
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.126+/-0.002 χ^2/NDF: 27379.9/68

In: 0.112+/-0.002 χ^2/NDF:17761.6/54

Out: 0.095+/-0.002 χ^2/NDF:16041.7/61

All: 0.103+/-0.001 χ^2/NDF: 33847.0/116



Right In: -1.340+/-0.138 χ^2/NDF: 167.9/31

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.782+/-0.130 χ^2/NDF: 272.4/36

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

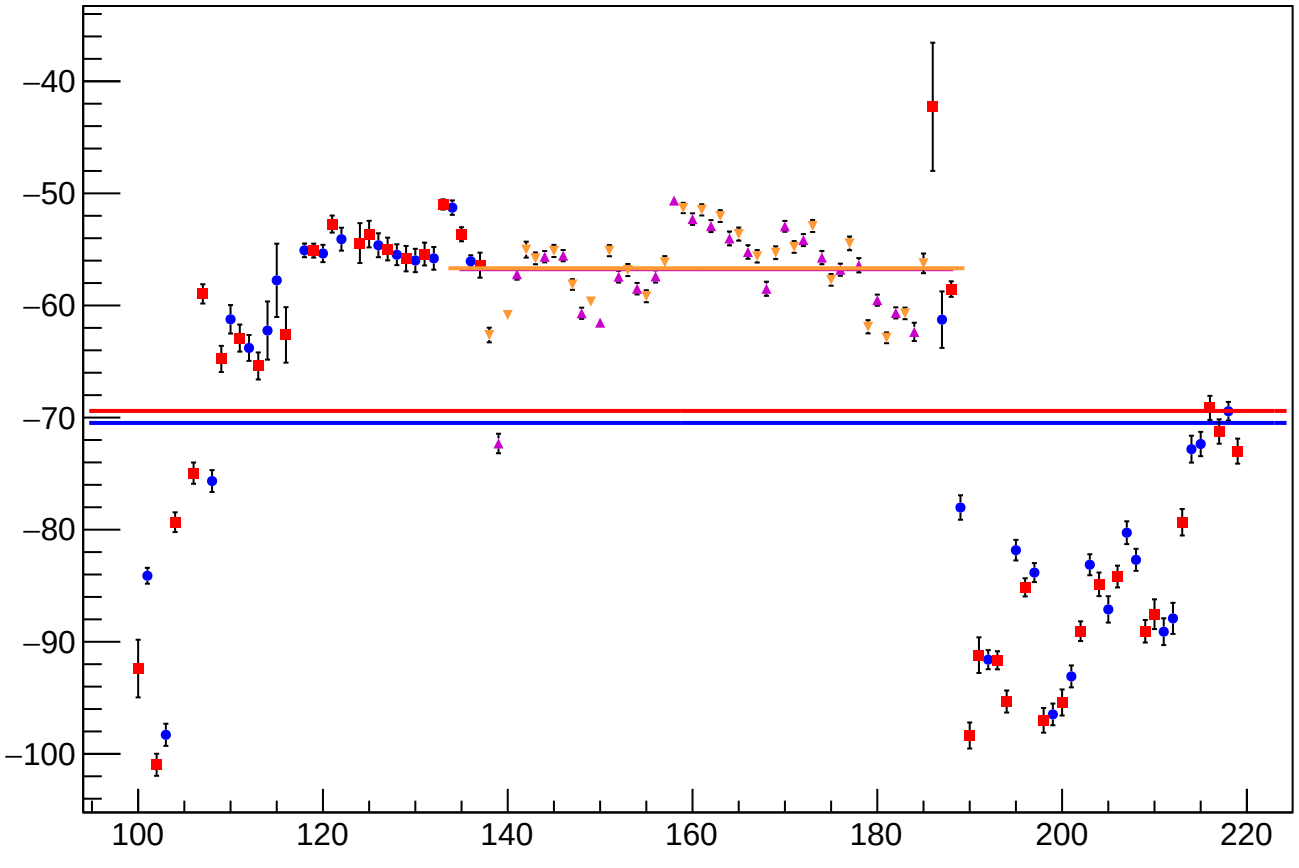
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.574+/-0.095 χ^2/NDF: 445.7/68

In: -0.073+/-0.098 χ^2/NDF:1853.4/54

Out: -0.329+/-0.094 χ^2/NDF:2251.4/61

All: -0.206+/-0.068 χ^2/NDF: 4108.3/116



Right In: -70.478+/-0.167 χ^2/NDF: 8457.3/31

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -69.406+/-0.157 χ^2/NDF: 11310.5/36

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

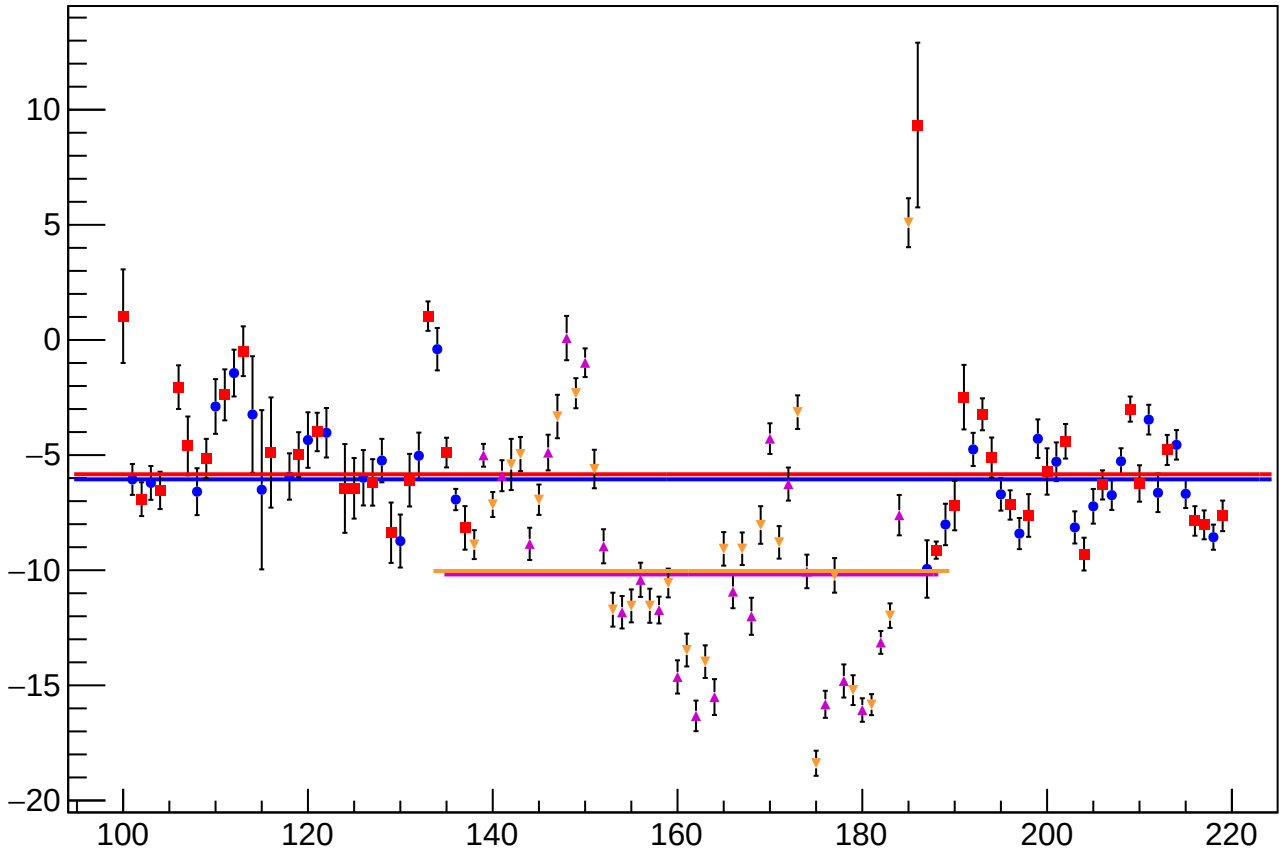
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -69.911+/-0.114 χ^2/NDF: 19789.7/68

In: -61.030+/-0.093 χ^2/NDF:14231.9/54

Out: -60.714+/-0.089 χ^2/NDF:16790.6/61

All: -60.864+/-0.064 χ^2/NDF: 31028.5/116



Right In: -6.053+/-0.140 χ^2/NDF: 178.0/31

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.833+/-0.132 χ^2/NDF: 413.2/36

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

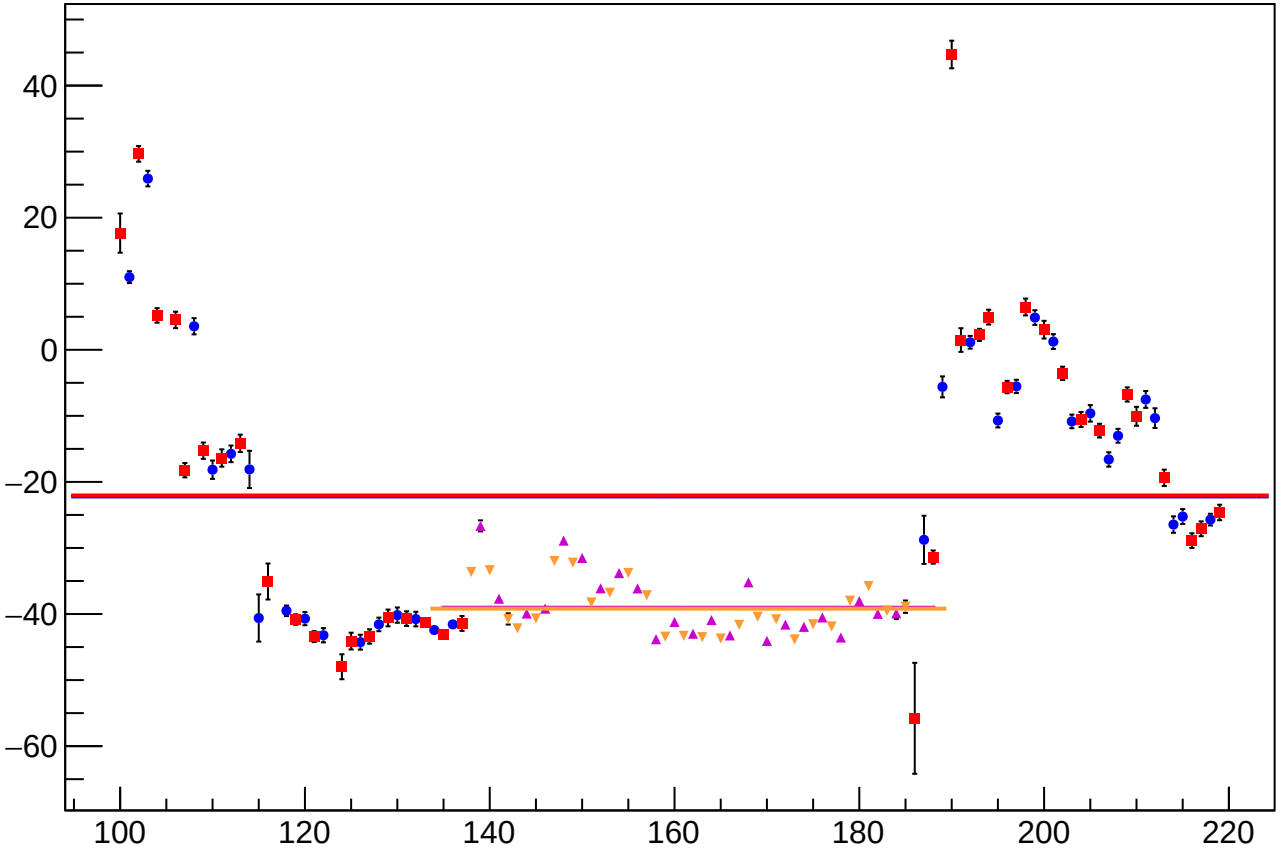
Right: -5.937+/-0.096 χ^2/NDF: 592.5/68

In: -8.126+/-0.099 χ^2/NDF:1759.8/54

Out: -7.863+/-0.095 χ^2/NDF:2087.1/61

All: -7.989+/-0.068 χ^2/NDF: 3850.6/116

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -22.198+/-0.188 χ^2/NDF: 10751.6/31

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -22.058+/-0.181 χ^2/NDF: 13014.3/36

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

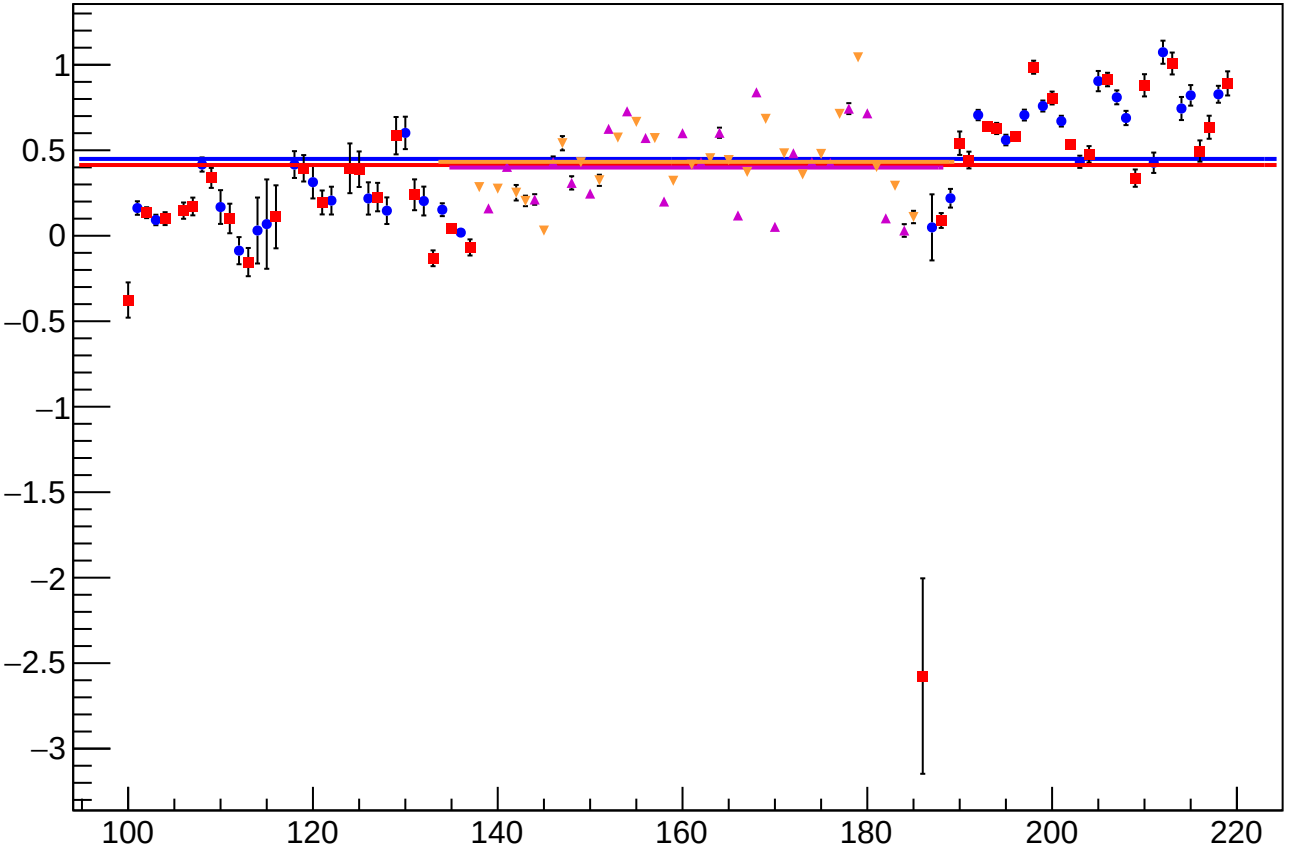
Right: -22.125+/-0.130 χ^2/NDF: 23766.2/68

In: -33.934+/-0.104 χ^2/NDF:17554.2/54

Out: -33.950+/-0.100 χ^2/NDF:20271.3/61

All: -33.942+/-0.072 χ^2/NDF: 37825.5/116

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.449+/-0.008 χ^2/NDF: 1438.8/31

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.414+/-0.008 χ^2/NDF: 1744.2/36

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

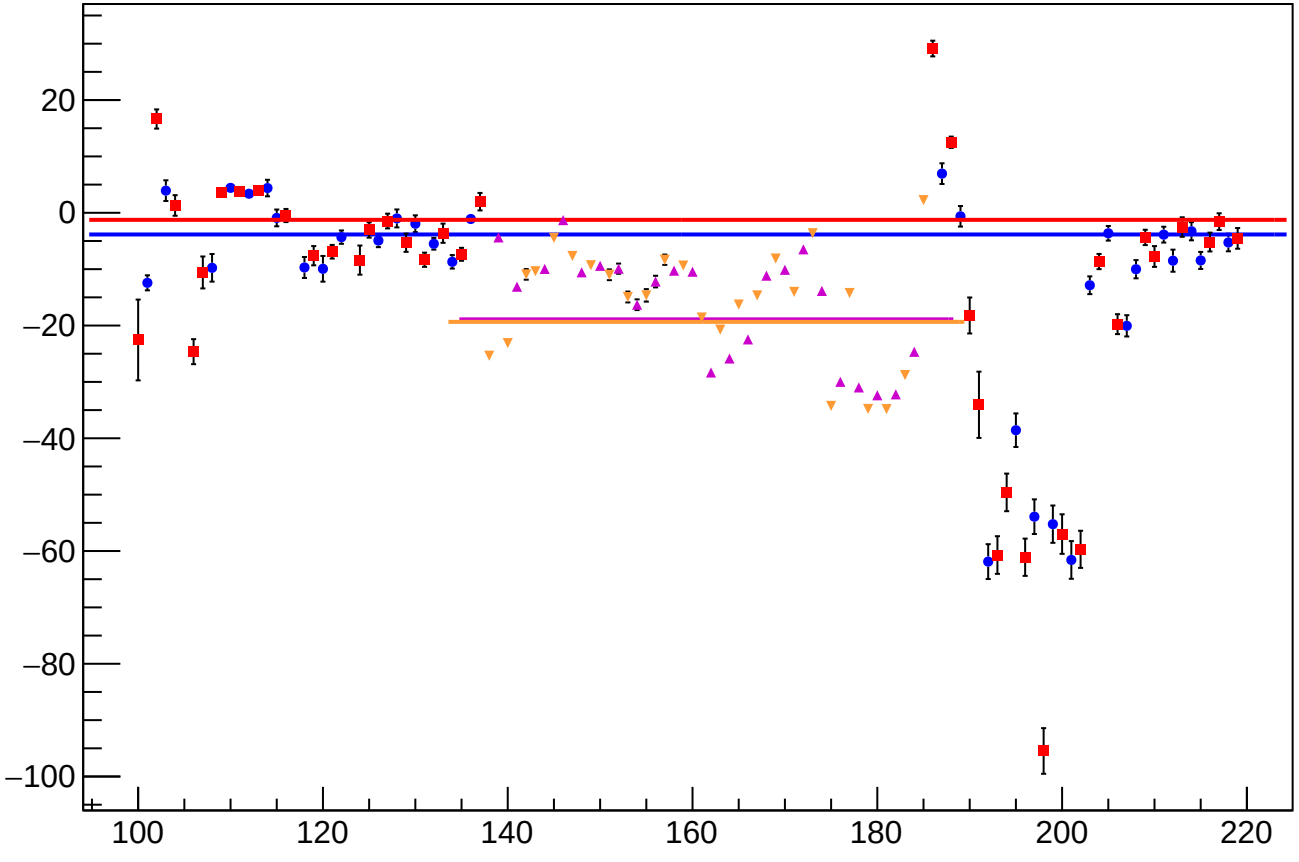
Right: 0.431+/-0.006 χ^2/NDF: 3193.1/68

In: 0.414+/-0.004 χ^2/NDF:3390.0/54

Out: 0.426+/-0.004 χ^2/NDF:3116.7/61

All: 0.421+/-0.003 χ^2/NDF: 6510.4/116

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.845+/-0.239 χ^2/NDF: 1895.0/31

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -1.249+/-0.227 χ^2/NDF: 3403.5/36

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

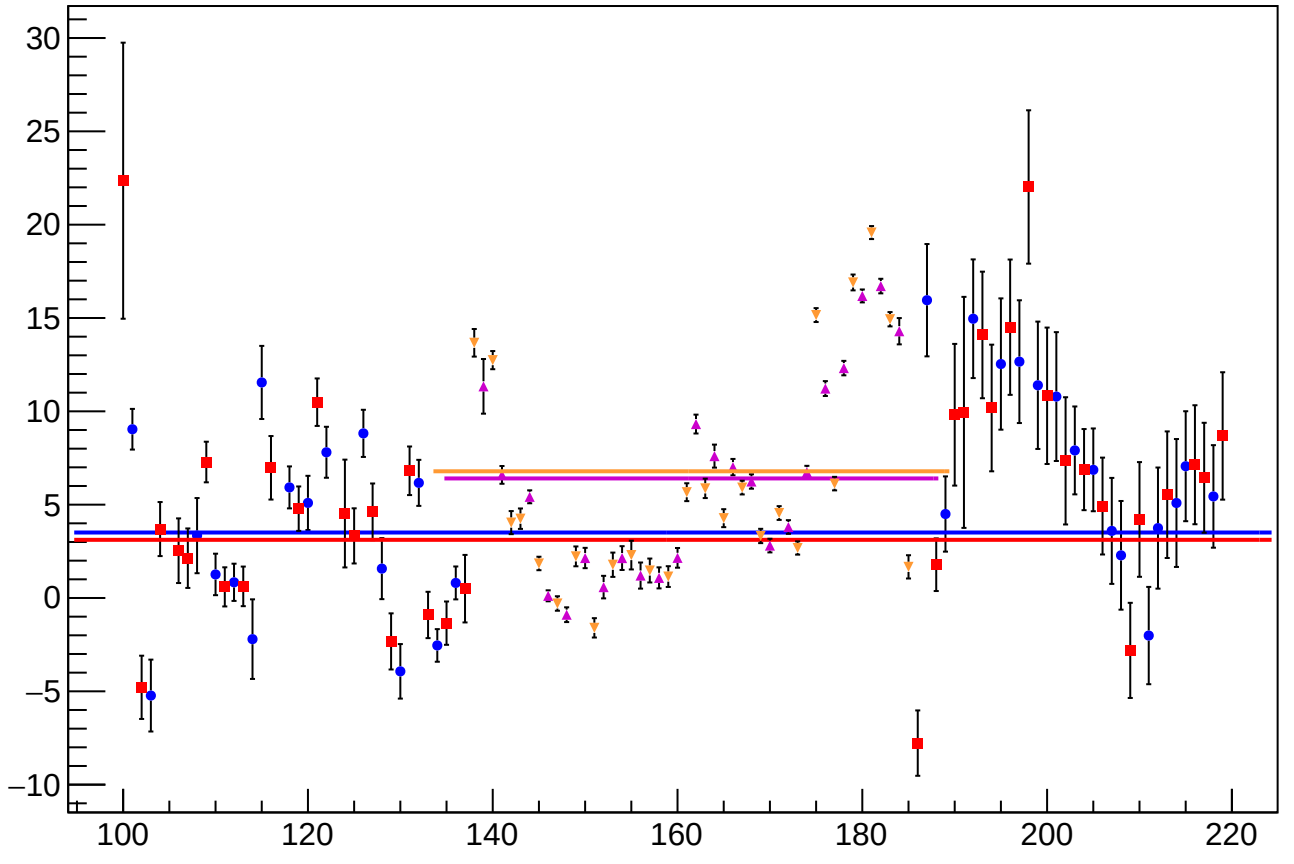
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

Right: -2.479+/-0.165 χ^2/NDF: 5360.4/68

In: -16.032+/-0.104 χ^2/NDF:13385.4/54

Out: -15.735+/-0.101 χ^2/NDF:18885.1/61

All: -15.879+/-0.073 χ^2/NDF: 32274.7/116



Right In: 3.508+/-0.287 χ^2/NDF: 271.4/31

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 3.116+/-0.288 χ^2/NDF: 256.5/36

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

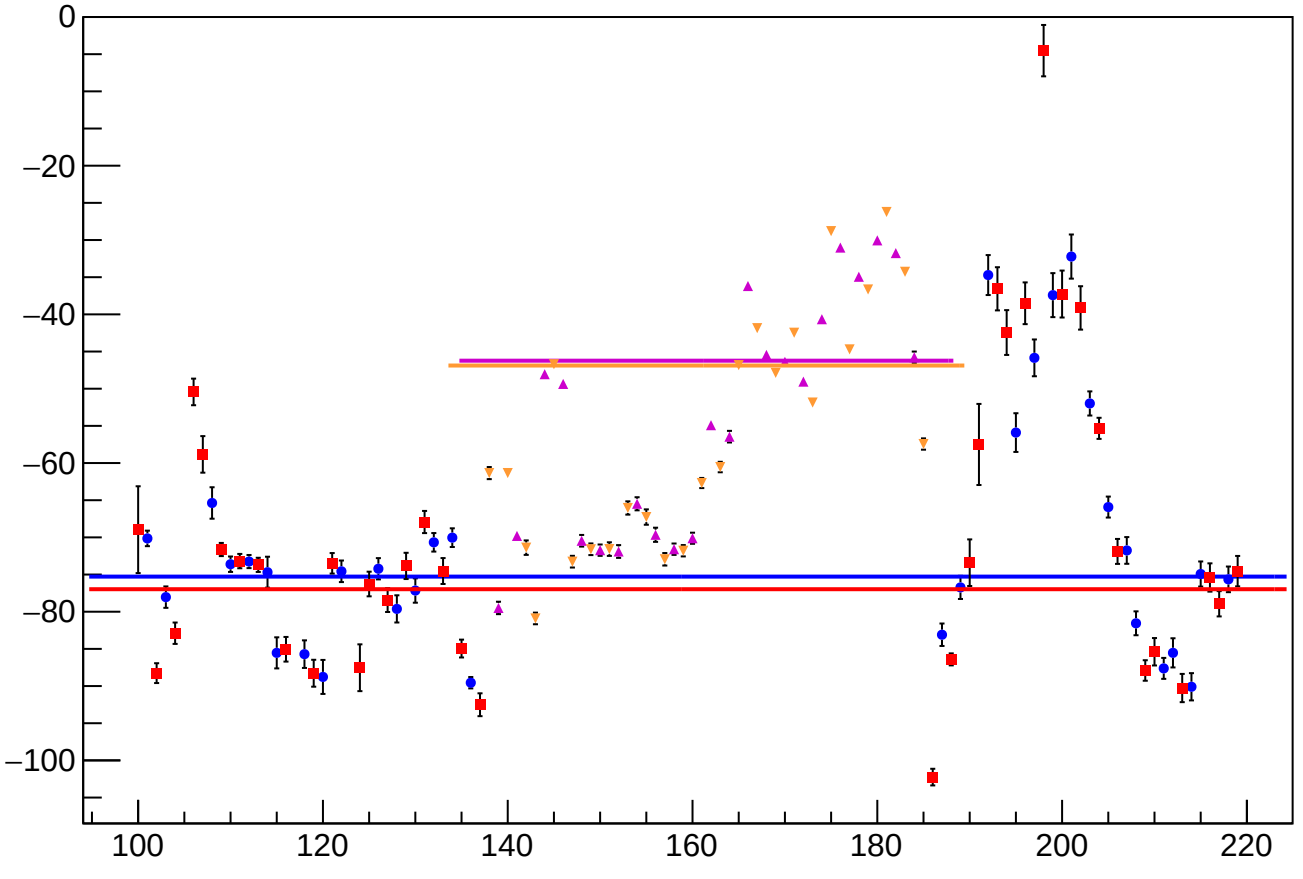
Left: 6.598+/-0.064 χ^2/NDF: 8051.9/47

Right: 3.313+/-0.203 χ^2/NDF: 528.9/68

In: 6.138+/-0.087 χ^2/NDF:3774.6/54

Out: 6.461+/-0.086 χ^2/NDF:5036.8/61

All: 6.301+/-0.061 χ^2/NDF: 8818.4/116



Right In: -75.277+/-0.265 χ^2/NDF: 1799.6/31

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -76.972+/-0.257 χ^2/NDF: 3014.1/36

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

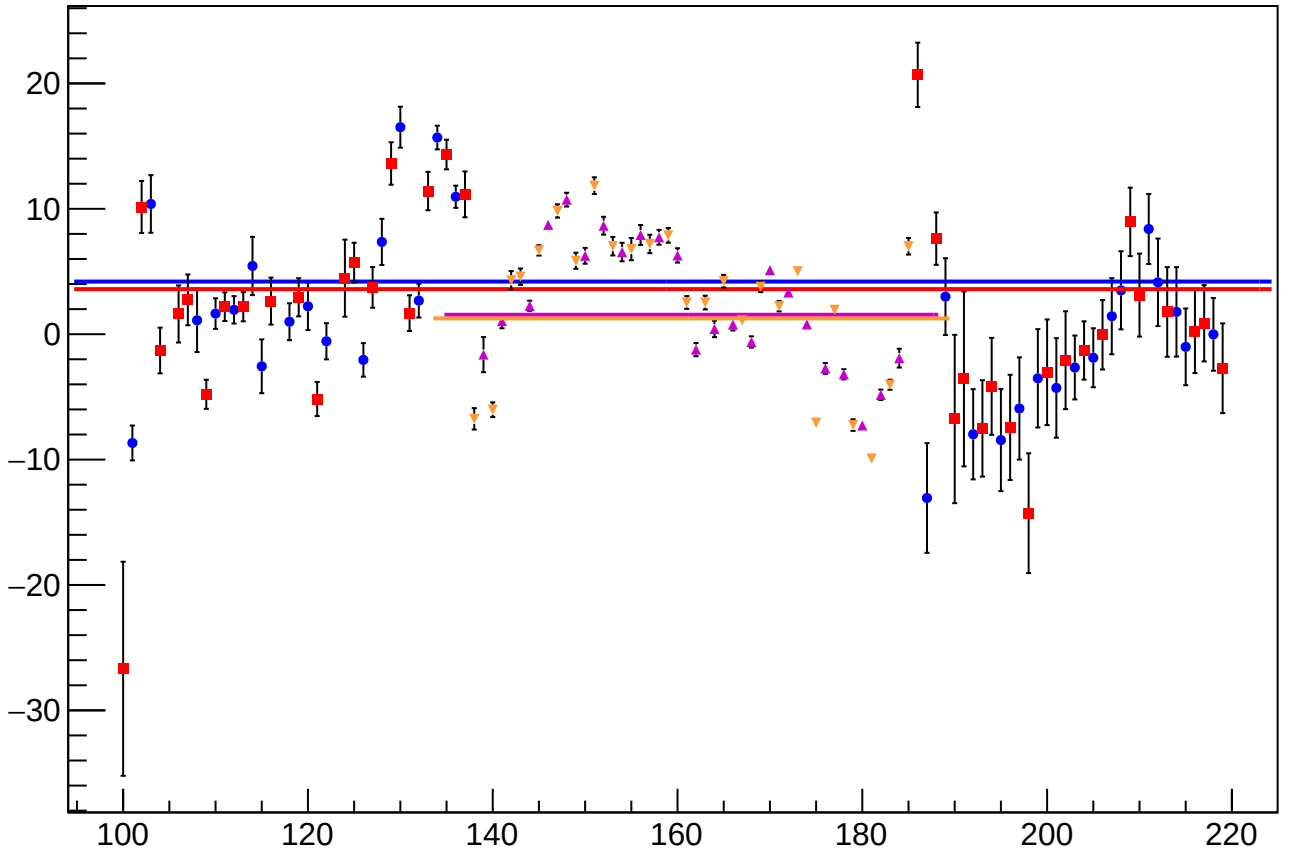
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -76.152+/-0.184 χ^2/NDF: 4834.9/68

In: -50.922+/-0.106 χ^2/NDF:27047.6/54

Out: -51.838+/-0.104 χ^2/NDF:32481.4/61

All: -51.390+/-0.074 χ^2/NDF: 59566.8/116



Right In: 4.199+/-0.321 χ^2/NDF: 493.4/31

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.595+/-0.327 χ^2/NDF: 396.7/36

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

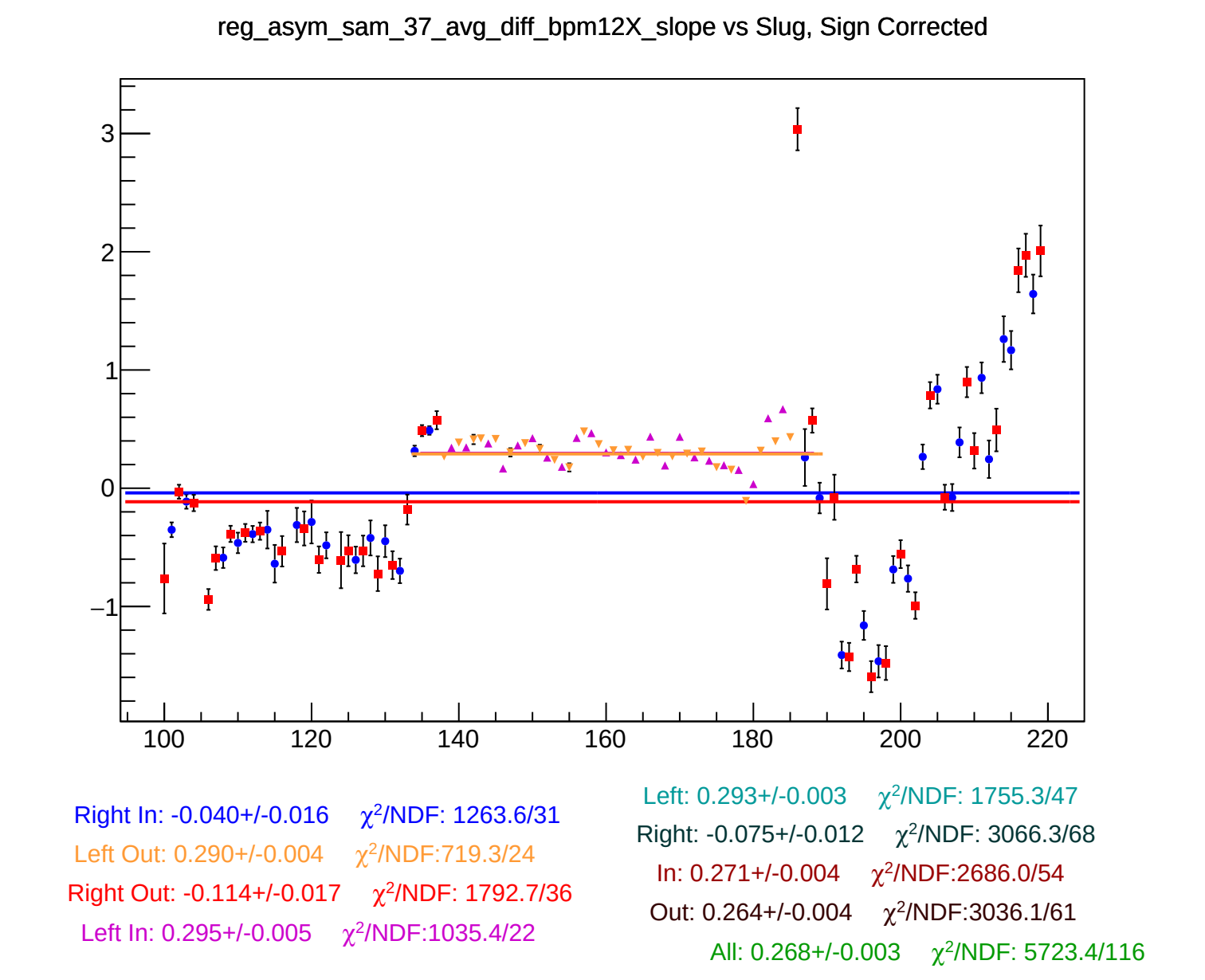
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

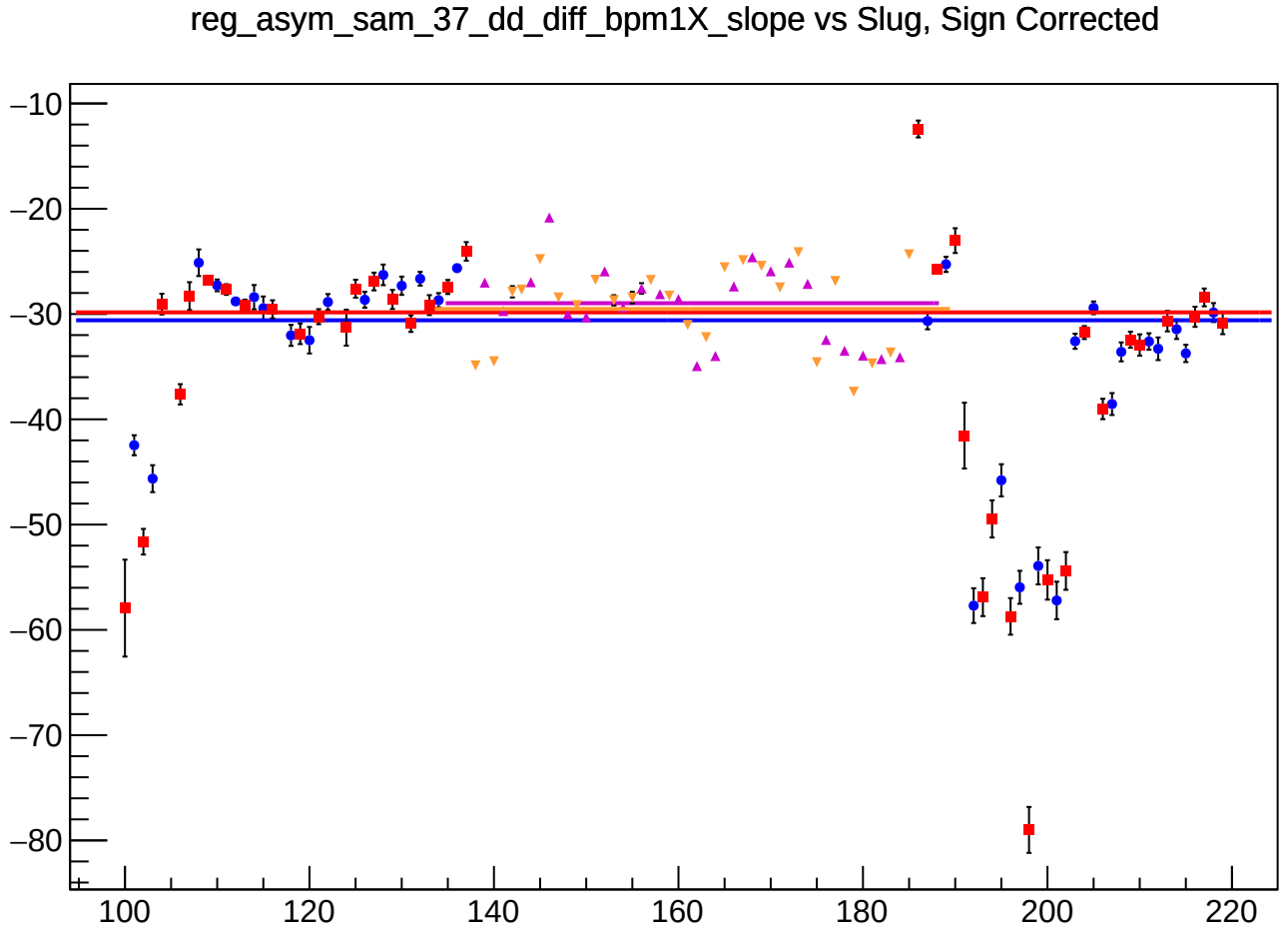
Right: 3.903+/-0.229 χ^2/NDF: 891.9/68

In: 1.794+/-0.097 χ^2/NDF:2891.0/54

Out: 1.462+/-0.096 χ^2/NDF:3888.8/61

All: 1.626+/-0.068 χ^2/NDF: 6785.8/116


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: -0.040+/-0.016 χ²/NDF: 1263.6/31
Left Out: 0.290+/-0.004 χ²/NDF:719.3/24
Right Out: -0.114+/-0.017 χ²/NDF: 1792.7/36
Left In: 0.295+/-0.005 χ²/NDF:1035.4/22
Left: 0.293+/-0.003 χ²/NDF: 1755.3/47
Right: -0.075+/-0.012 χ²/NDF: 3066.3/68
In: 0.271+/-0.004 χ²/NDF:2686.0/54
Out: 0.264+/-0.004 χ²/NDF:3036.1/61
All: 0.268+/-0.003 χ²/NDF: 5723.4/116



Right In: -30.593+/-0.145 χ^2/NDF: 1784.6/31

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.841+/-0.140 χ^2/NDF: 2809.8/36

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

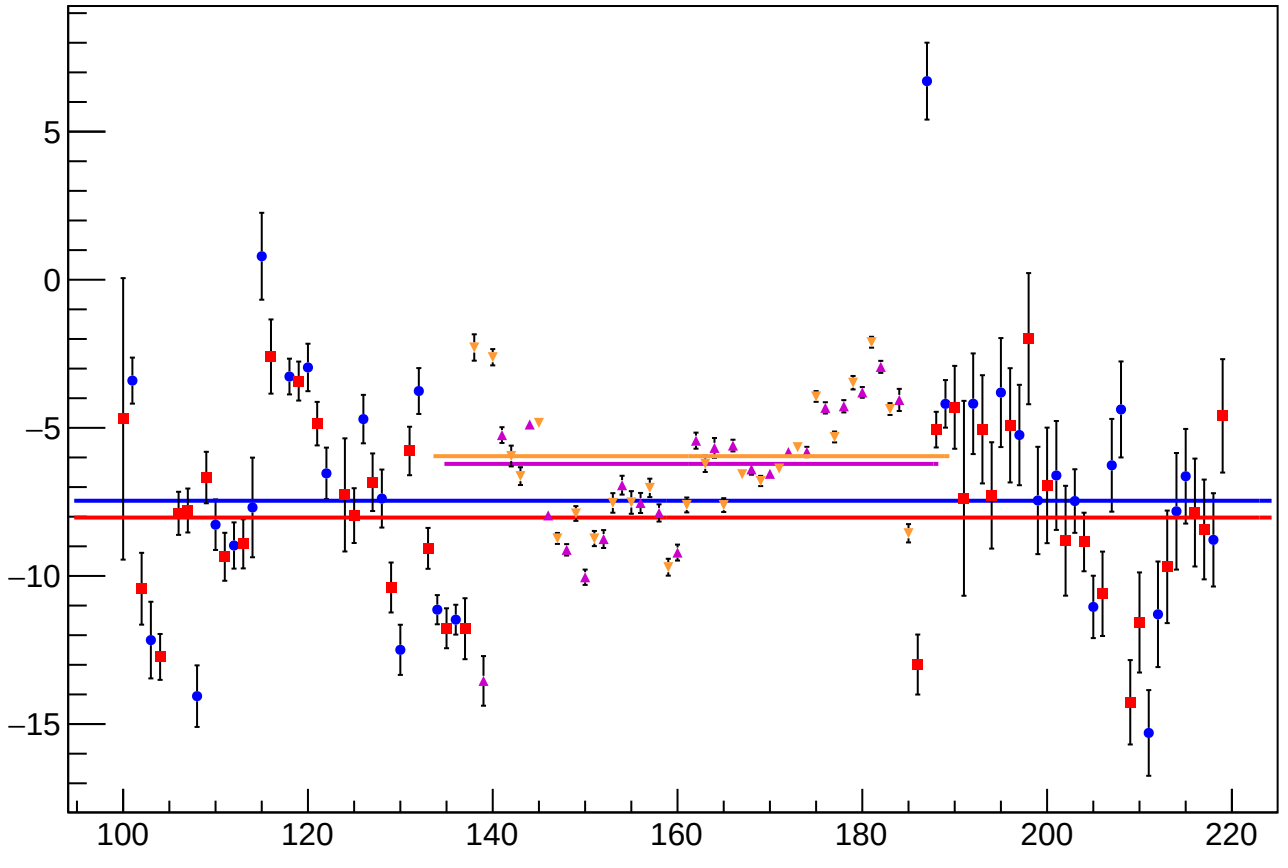
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -30.205+/-0.101 χ^2/NDF: 4608.3/68

In: -29.188+/-0.053 χ^2/NDF:7241.4/54

Out: -29.561+/-0.052 χ^2/NDF:8902.9/61

All: -29.377+/-0.037 χ^2/NDF: 16169.5/116



Right In: -7.461+/-0.170 χ^2/NDF: 582.9/31

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.029+/-0.168 χ^2/NDF: 298.0/36

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

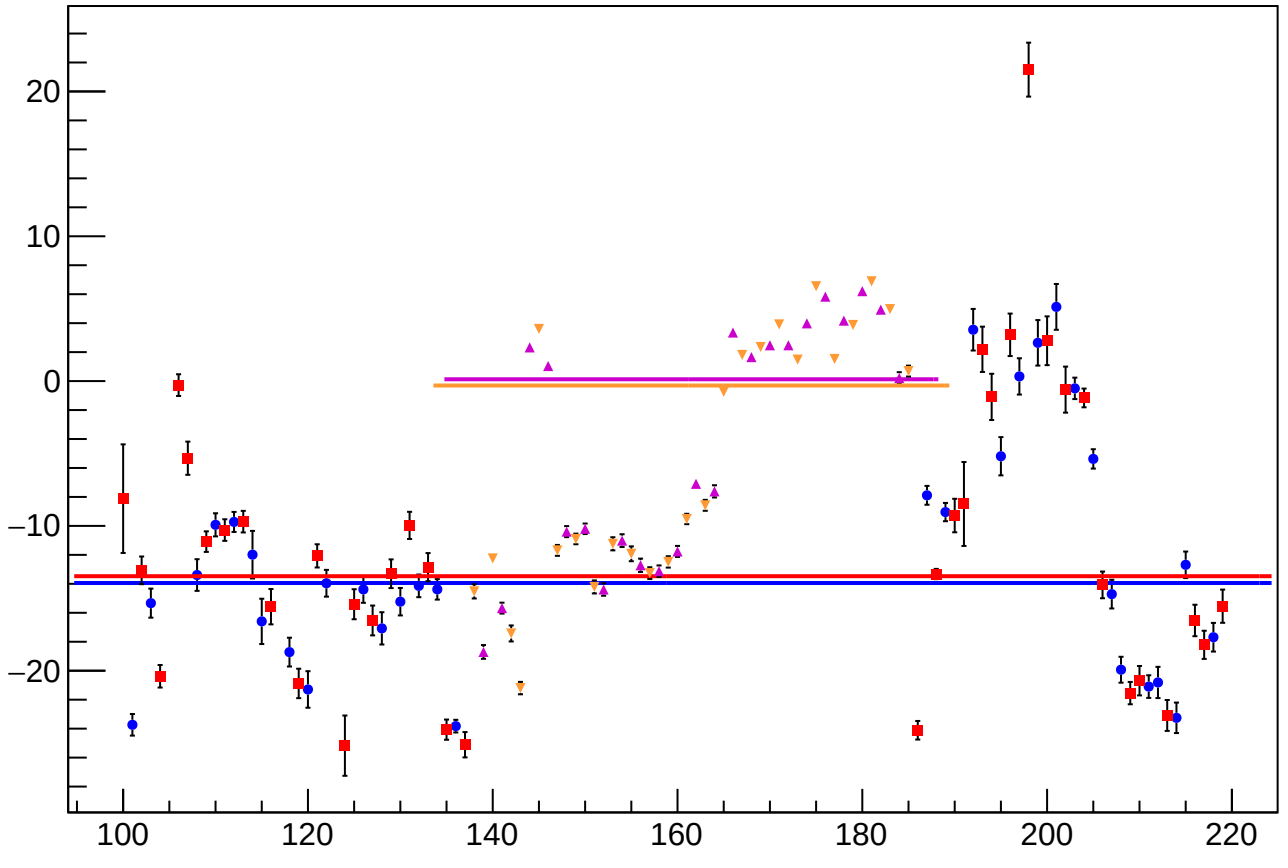
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.749+/-0.120 χ^2/NDF: 886.5/68

In: -6.295+/-0.043 χ^2/NDF:2374.7/54

Out: -6.092+/-0.043 χ^2/NDF:2297.9/61

All: -6.194+/-0.030 χ^2/NDF: 4683.9/116



Right In: -13.942+/-0.154 χ^2/NDF: 2301.8/31

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.473+/-0.147 χ^2/NDF: 2751.9/36

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

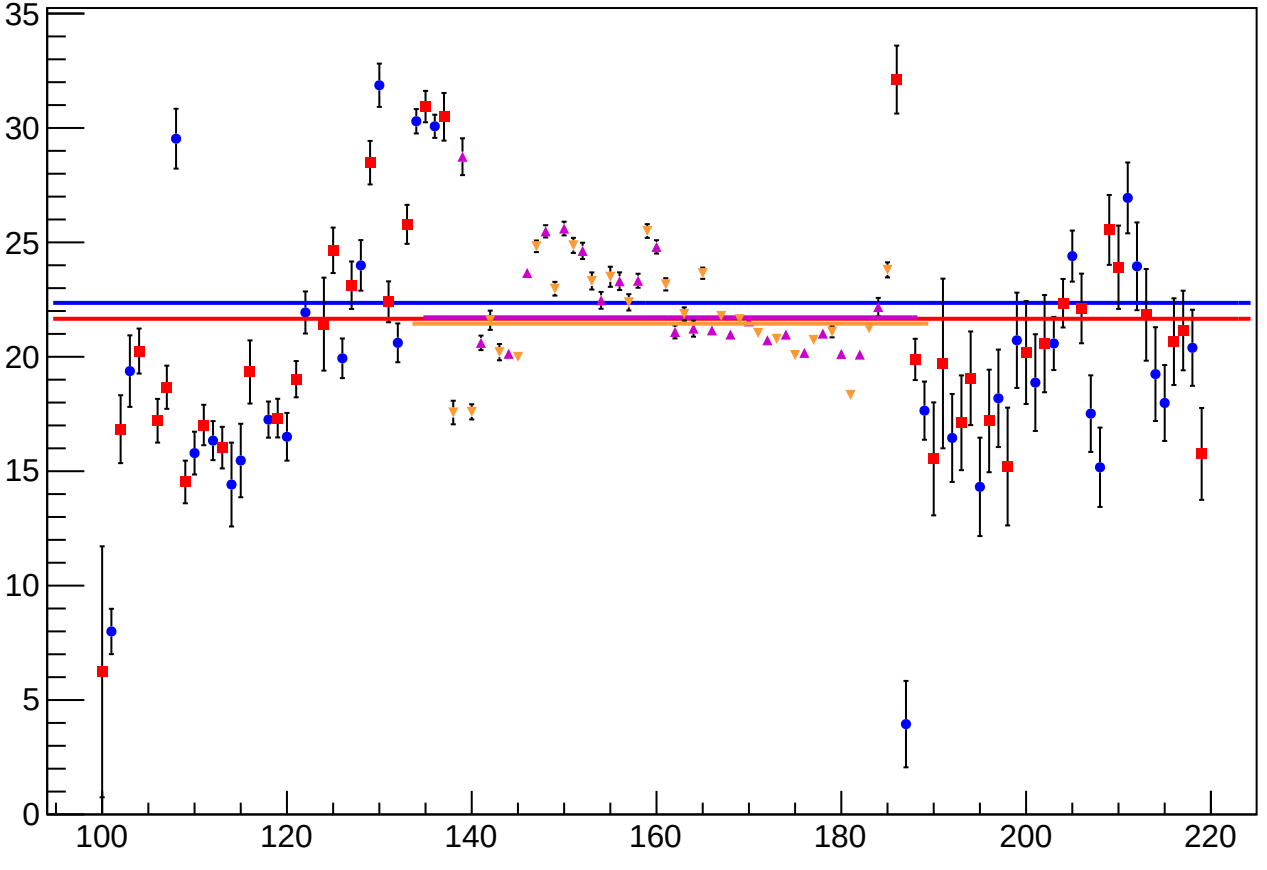
Right: -13.697+/-0.106 χ^2/NDF: 5058.6/68

In: -1.568+/-0.053 χ^2/NDF:23471.1/54

Out: -2.002+/-0.053 χ^2/NDF:26913.7/61

All: -1.788+/-0.038 χ^2/NDF: 50418.1/116

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.356+/-0.193 χ^2/NDF: 1214.3/31

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.661+/-0.195 χ^2/NDF: 653.1/36

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

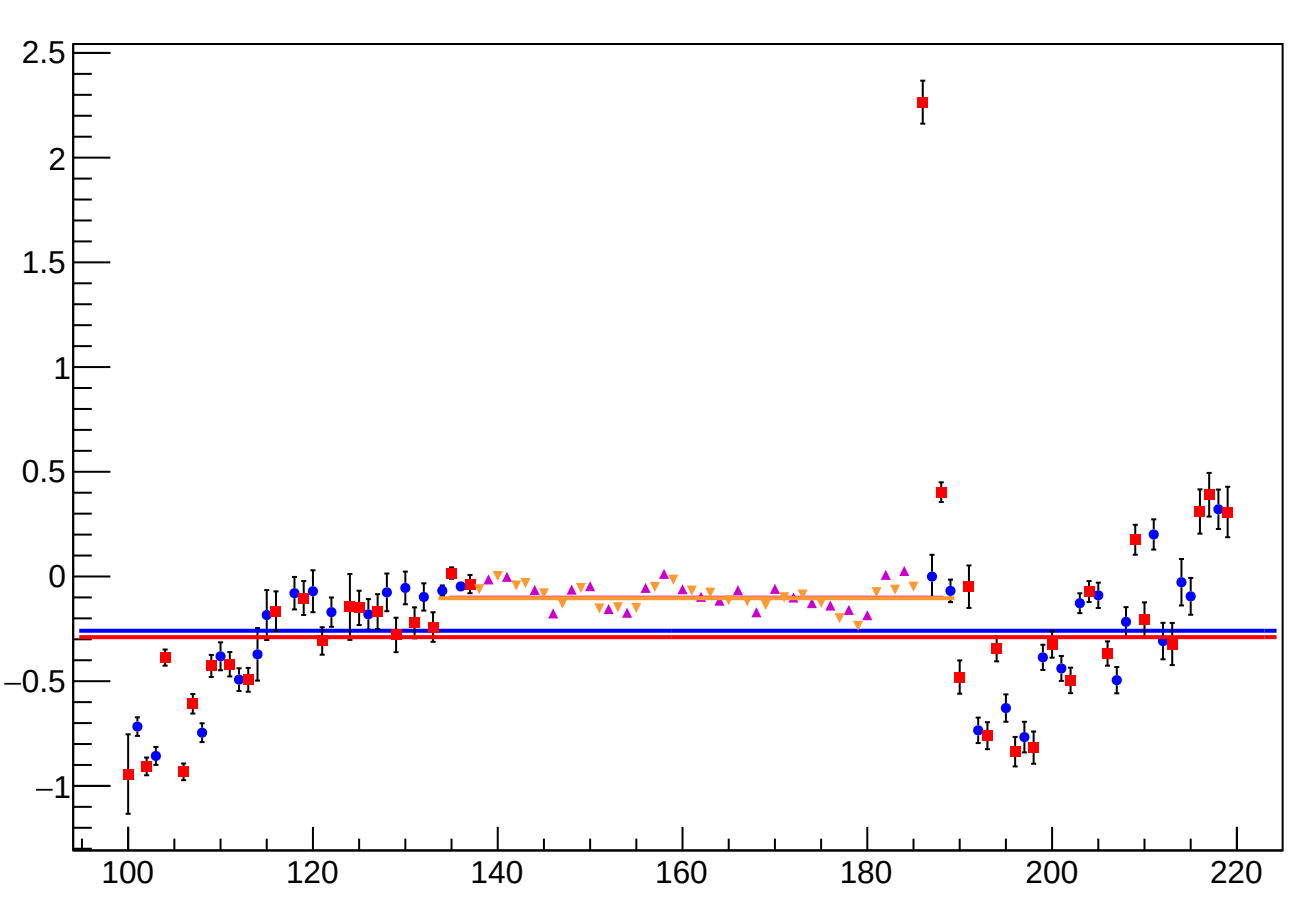
Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

Right: 22.014+/-0.137 χ^2/NDF: 1873.8/68

In: 21.765+/-0.048 χ^2/NDF:2398.0/54

Out: 21.460+/-0.048 χ^2/NDF:1979.5/61

All: 21.612+/-0.034 χ^2/NDF: 4397.7/116



Right In: -0.259+/-0.010 χ^2/NDF: 924.3/31

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.290+/-0.010 χ^2/NDF: 1923.0/36

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

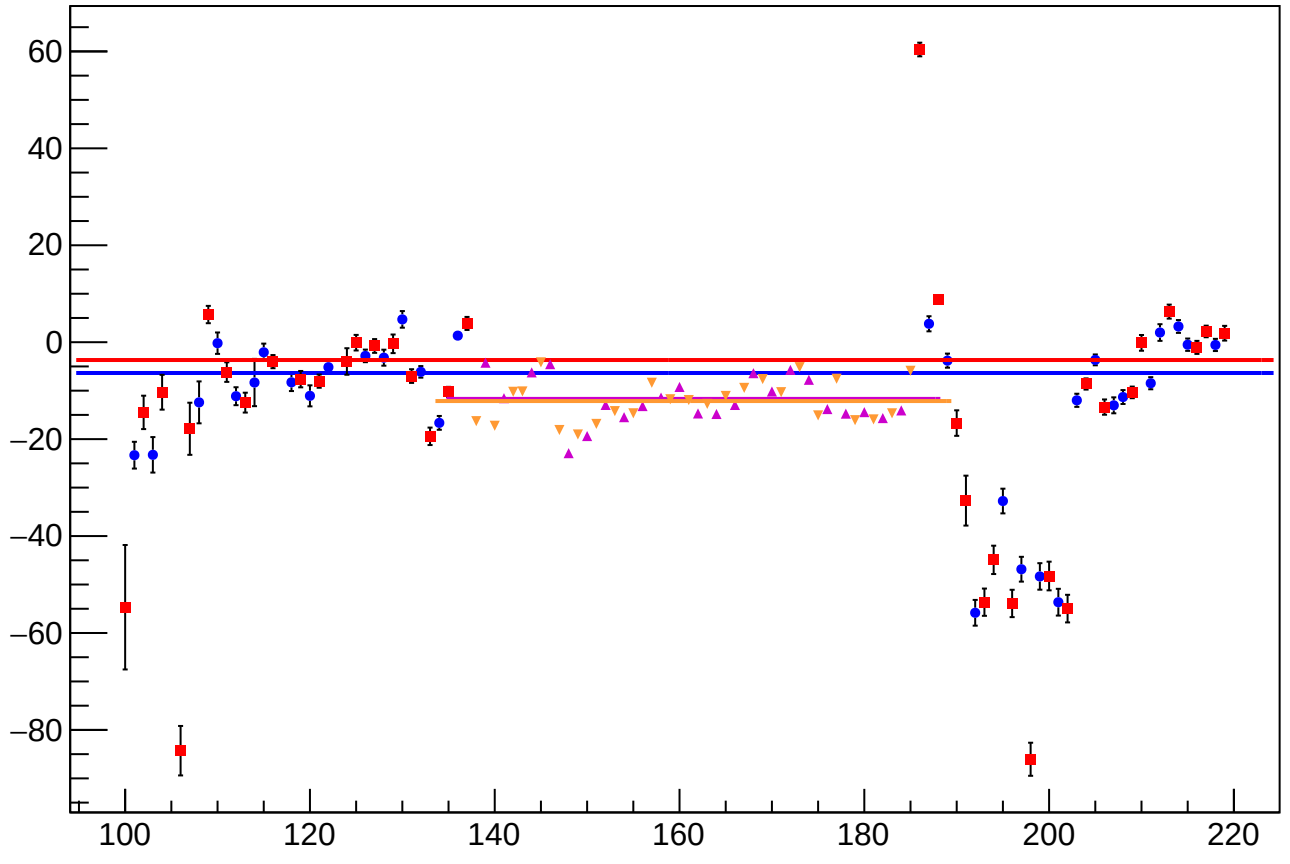
Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

Right: -0.274+/-0.007 χ^2/NDF: 2852.3/68

In: -0.109+/-0.002 χ^2/NDF:1938.9/54

Out: -0.113+/-0.002 χ^2/NDF:2805.3/61

All: -0.111+/-0.002 χ^2/NDF: 4745.2/116



Right In: -6.352+/-0.273 χ^2/NDF: 1774.1/31

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -3.676+/-0.275 χ^2/NDF: 5008.6/36

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

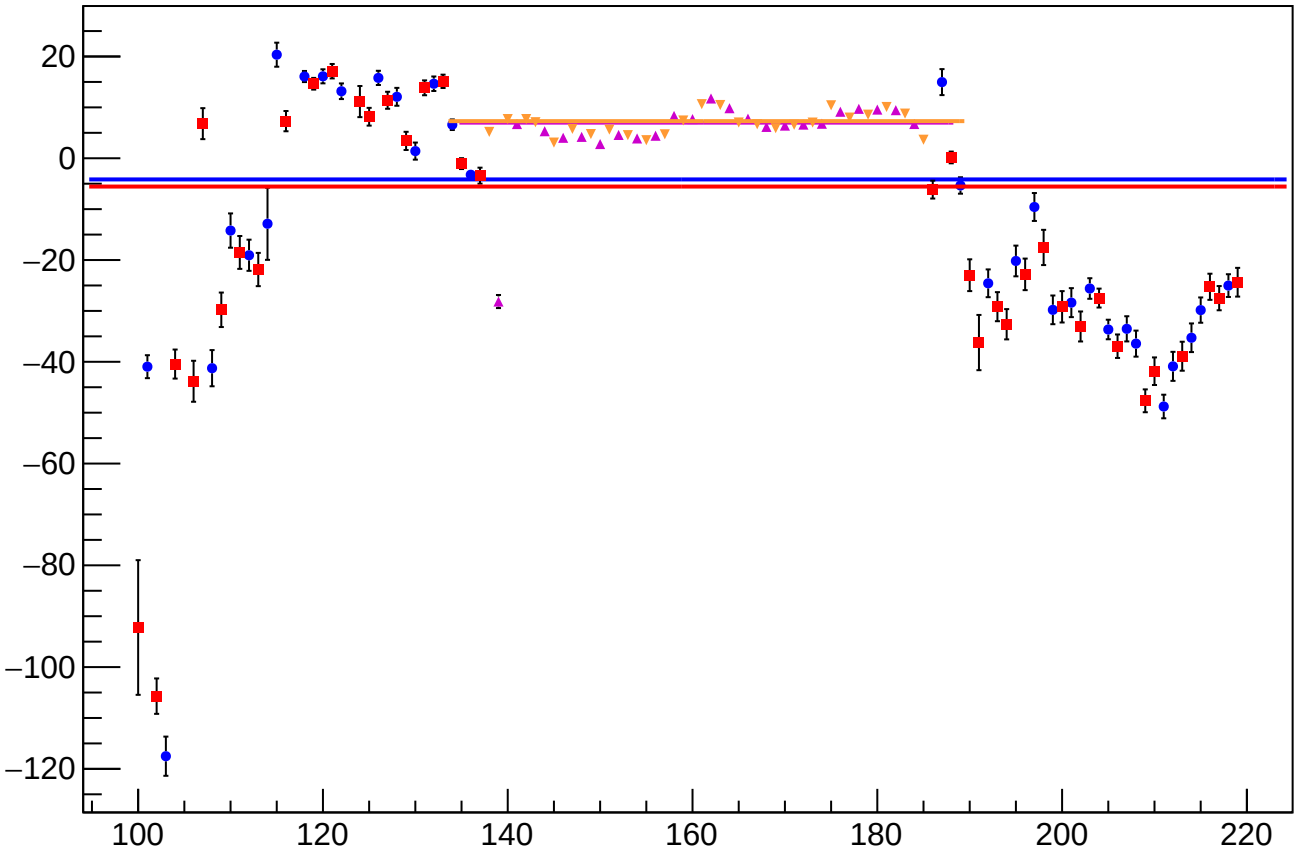
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -5.023+/-0.193 χ^2/NDF: 6830.5/68

In: -11.127+/-0.089 χ^2/NDF:4068.6/54

Out: -11.296+/-0.087 χ^2/NDF:7995.1/61

All: -11.214+/-0.062 χ^2/NDF: 12065.5/116



Right In: -4.157+/-0.324 χ^2/NDF: 4450.4/31

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -5.560+/-0.336 χ^2/NDF: 4096.5/36

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

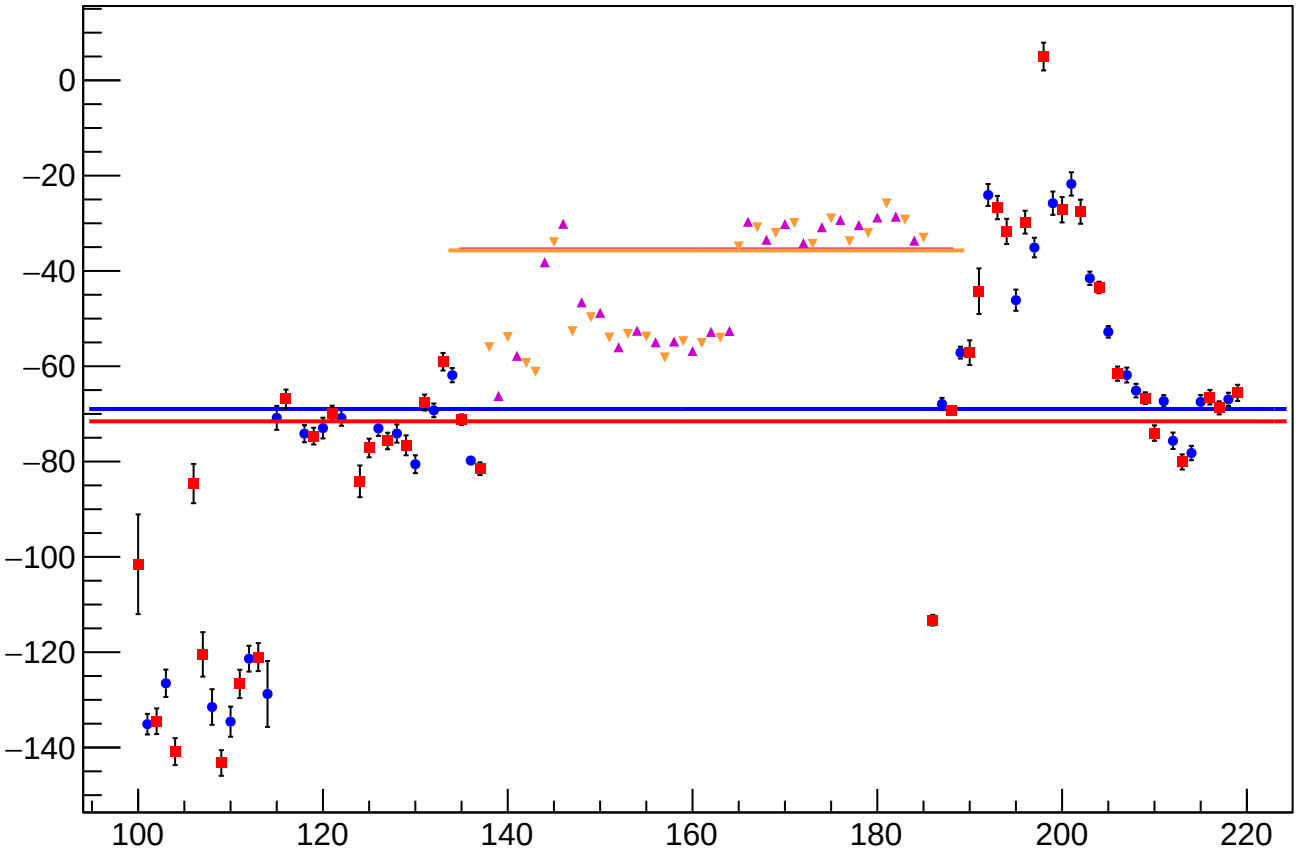
Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

Right: -4.832+/-0.233 χ^2/NDF: 8555.9/68

In: 6.422+/-0.074 χ^2/NDF:7152.4/54

Out: 6.688+/-0.073 χ^2/NDF:6312.3/61

All: 6.557+/-0.052 χ^2/NDF: 13471.2/116



Right In: -68.963+/-0.283 χ^2/NDF: 5013.0/31

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -71.560+/-0.280 χ^2/NDF: 7006.6/36

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

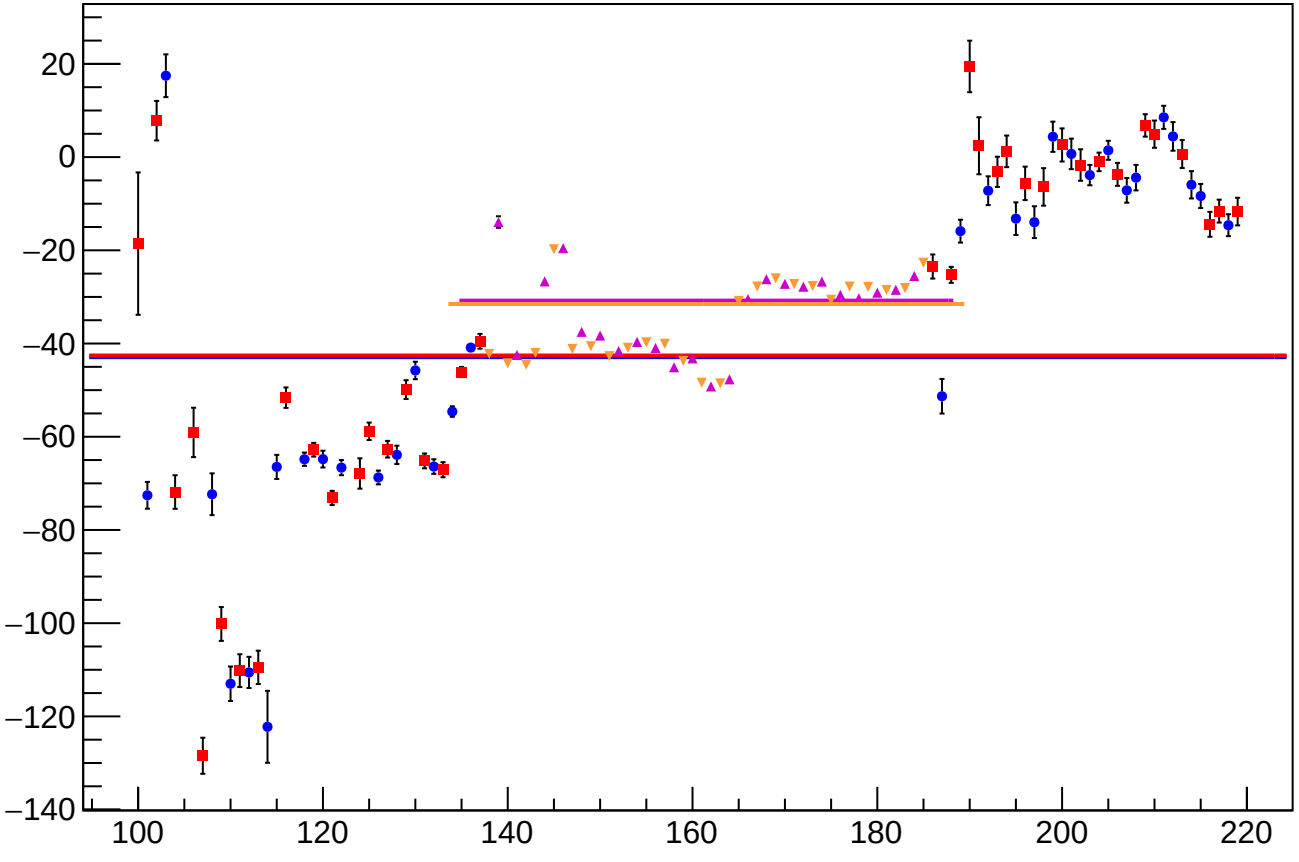
Right: -70.275+/-0.199 χ^2/NDF: 12062.1/68

In: -38.858+/-0.090 χ^2/NDF:28746.7/54

Out: -39.198+/-0.088 χ^2/NDF:34577.3/61

All: -39.032+/-0.063 χ^2/NDF: 63331.3/116

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -42.918+/-0.361 χ^2/NDF: 5754.0/31

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -42.570+/-0.383 χ^2/NDF: 6110.9/36

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

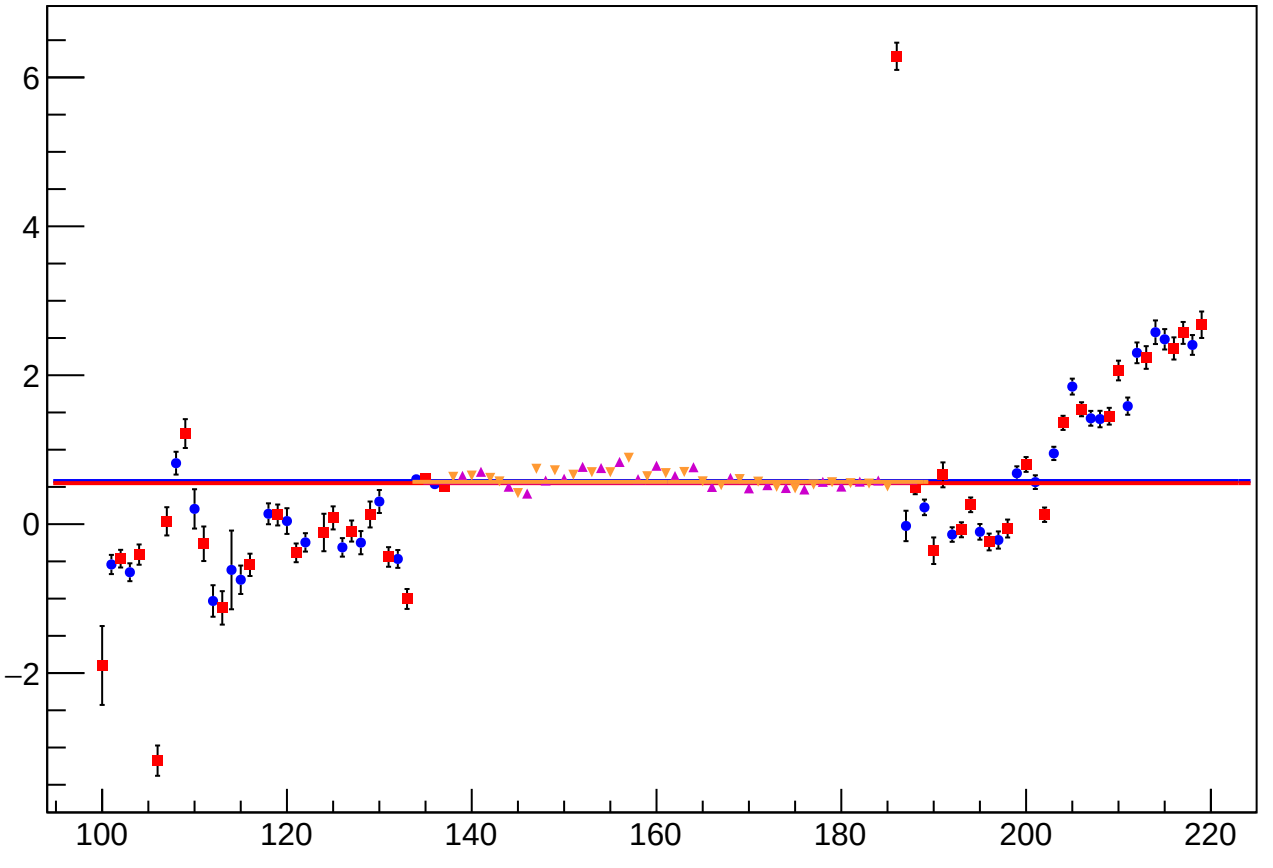
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -42.754+/-0.263 χ^2/NDF: 11865.4/68

In: -31.415+/-0.082 χ^2/NDF:14371.4/54

Out: -32.012+/-0.081 χ^2/NDF:15362.3/61

All: -31.718+/-0.058 χ^2/NDF: 29760.5/116



Right In: 0.579+/-0.018 χ^2/NDF: 1740.1/31

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.551+/-0.019 χ^2/NDF: 3059.5/36

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

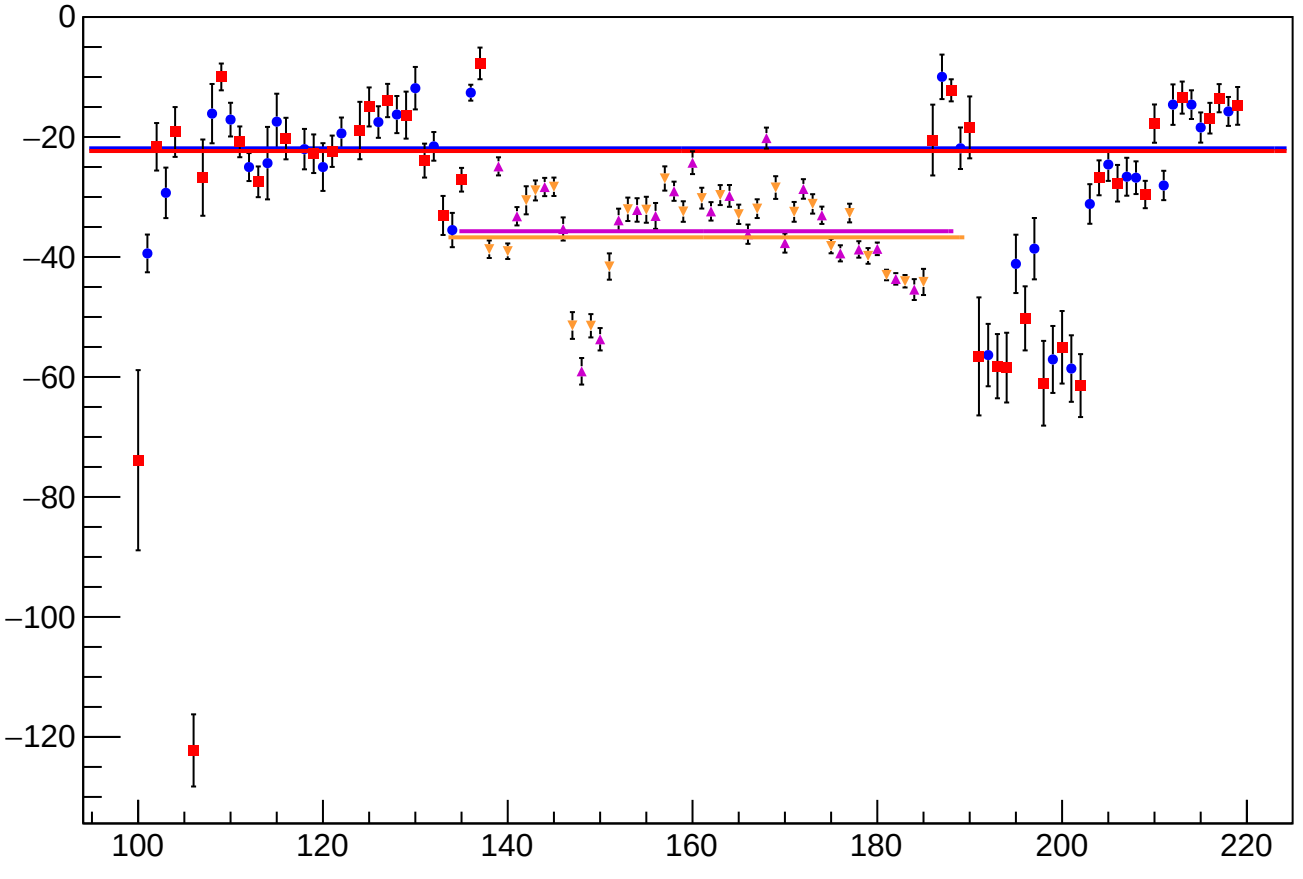
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.566+/-0.013 χ^2/NDF: 4800.7/68

In: 0.561+/-0.004 χ^2/NDF:2412.7/54

Out: 0.568+/-0.004 χ^2/NDF:3614.8/61

All: 0.564+/-0.003 χ^2/NDF: 6029.3/116



Right In: -21.888+/-0.525 χ^2/NDF: 335.7/31

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -22.338+/-0.526 χ^2/NDF: 710.8/36

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

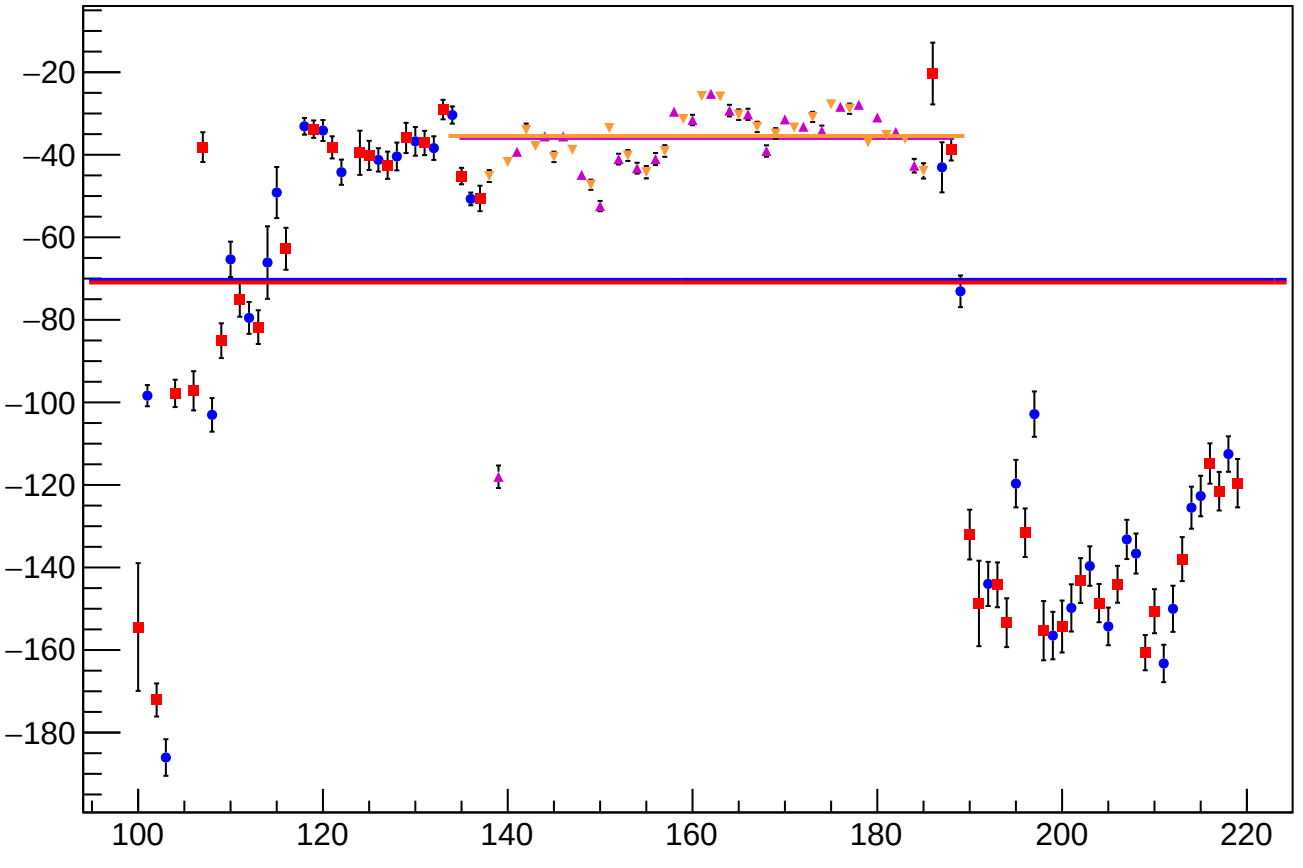
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -22.112+/-0.372 χ^2/NDF: 1046.9/68

In: -31.907+/-0.275 χ^2/NDF:1416.9/54

Out: -33.015+/-0.267 χ^2/NDF:1686.1/61

All: -32.477+/-0.192 χ^2/NDF: 3111.3/116



Right In: -70.311+/-0.615 χ^2/NDF: 5022.6/31

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -70.944+/-0.633 χ^2/NDF: 5220.6/36

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

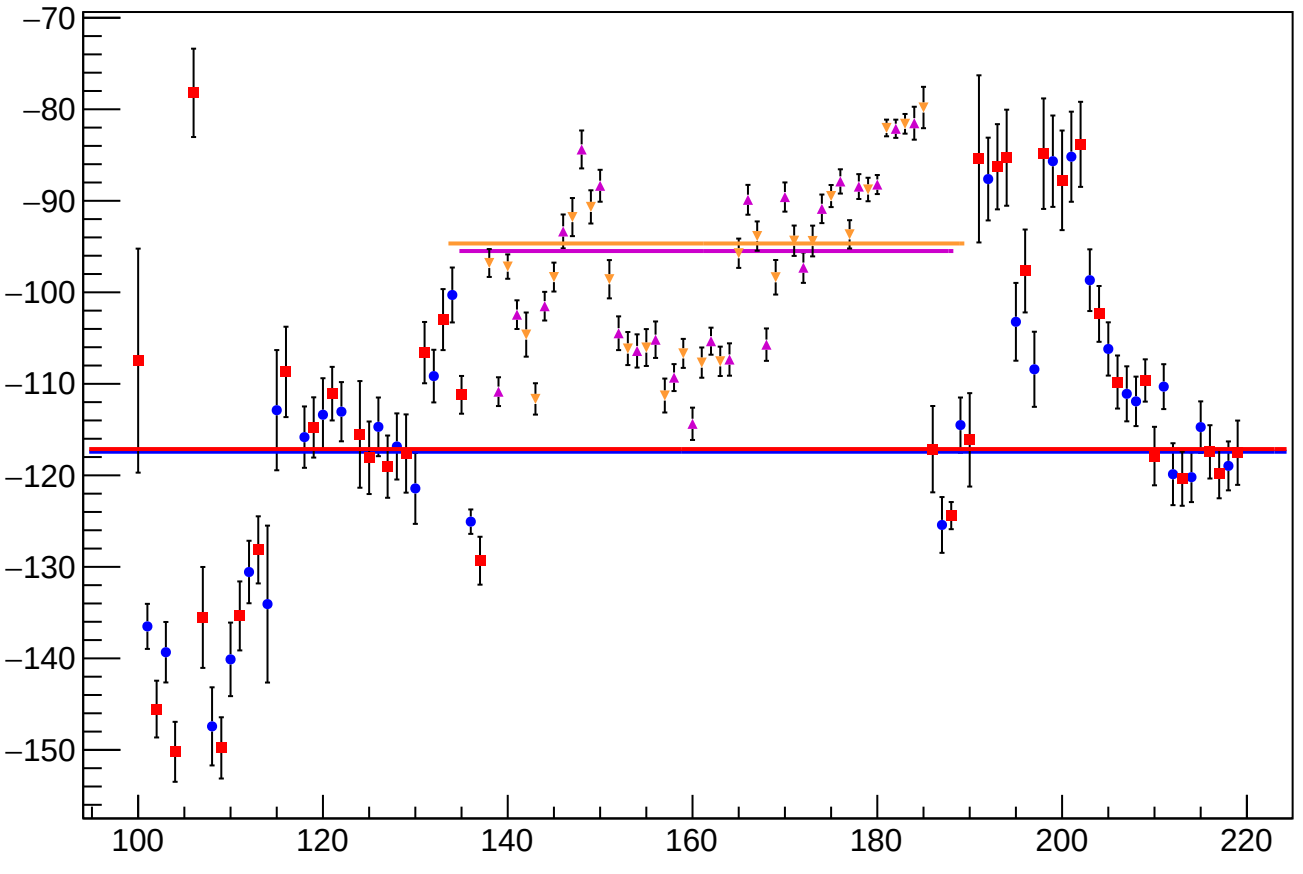
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -70.618+/-0.441 χ^2/NDF: 10243.8/68

In: -40.994+/-0.236 χ^2/NDF:9229.7/54

Out: -40.062+/-0.228 χ^2/NDF:8493.8/61

All: -40.512+/-0.164 χ^2/NDF: 17731.5/116



Right In: -117.420+/-0.546 χ^2/NDF: 499.1/31

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -117.127+/-0.550 χ^2/NDF: 743.3/36

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

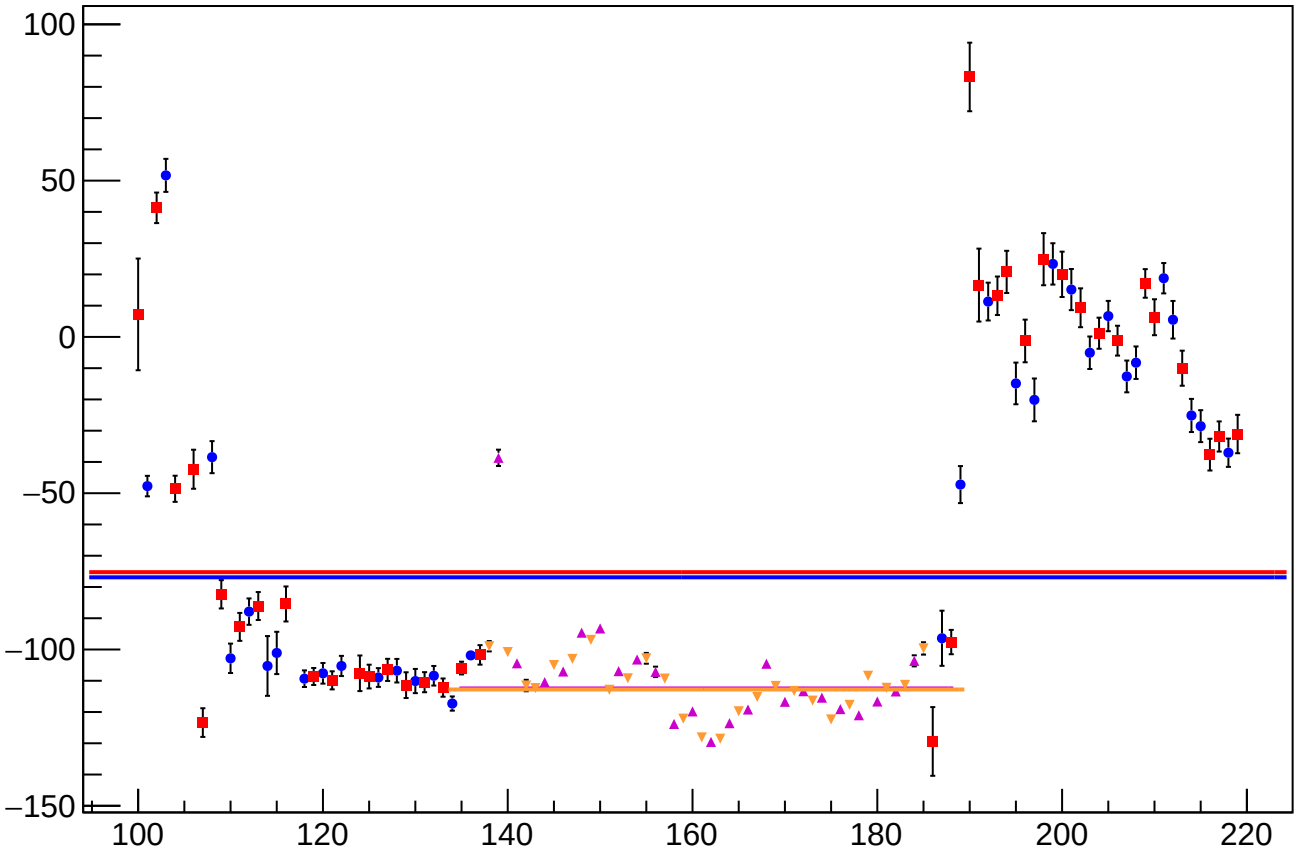
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -117.274+/-0.388 χ^2/NDF: 1242.5/68

In: -101.120+/-0.277 χ^2/NDF:2666.4/54

Out: -100.078+/-0.270 χ^2/NDF:2910.6/61

All: -100.586+/-0.193 χ^2/NDF: 5584.3/116



Right In: -76.904+/-0.691 χ^2/NDF: 4510.9/31

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -75.259+/-0.720 χ^2/NDF: 4698.0/36

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

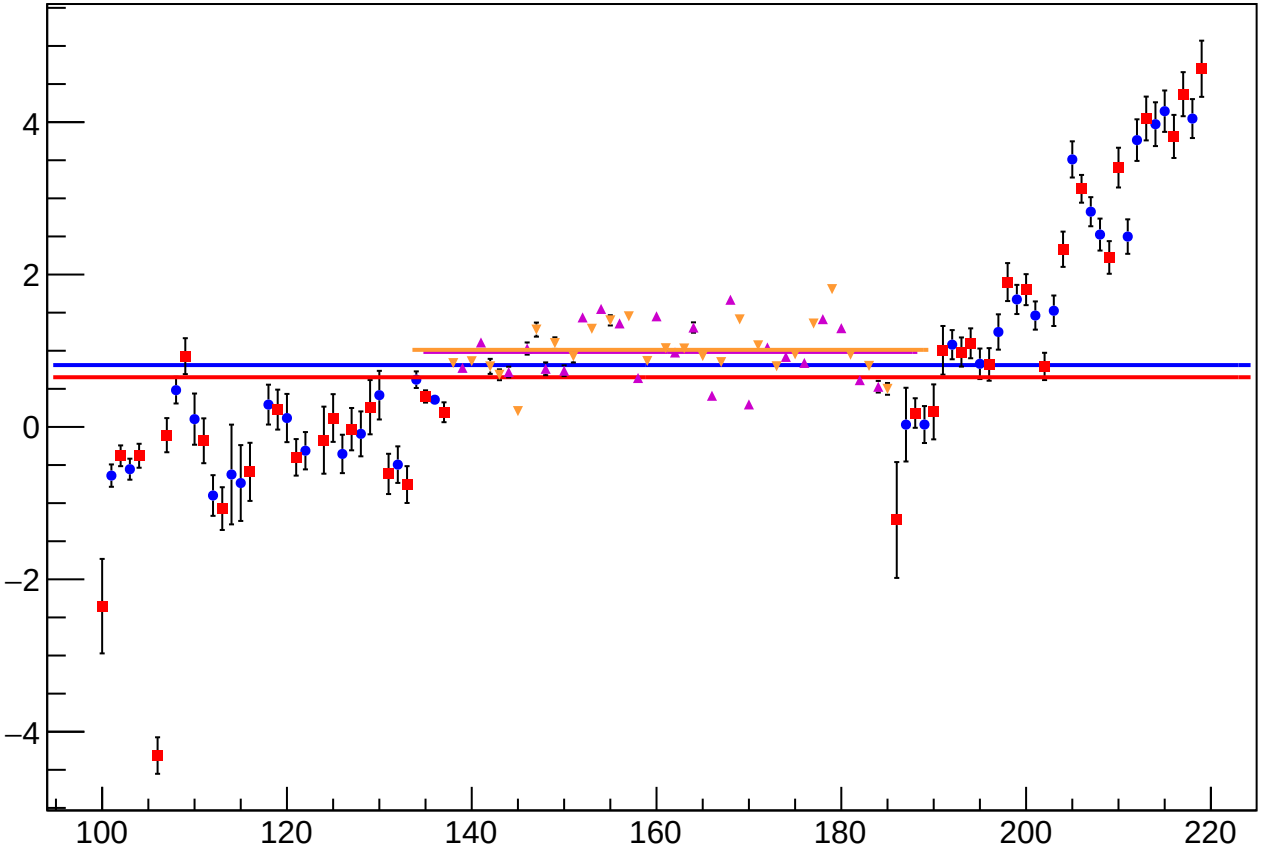
Right: -76.116+/-0.498 χ^2/NDF: 9211.6/68

In: -107.296+/-0.263 χ^2/NDF:8565.6/54

Out: -108.044+/-0.256 χ^2/NDF:8008.7/61

All: -107.680+/-0.184 χ^2/NDF: 16578.4/116

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.812+/-0.033 χ^2/NDF: 1380.3/31

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.652+/-0.035 χ^2/NDF: 1770.7/36

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

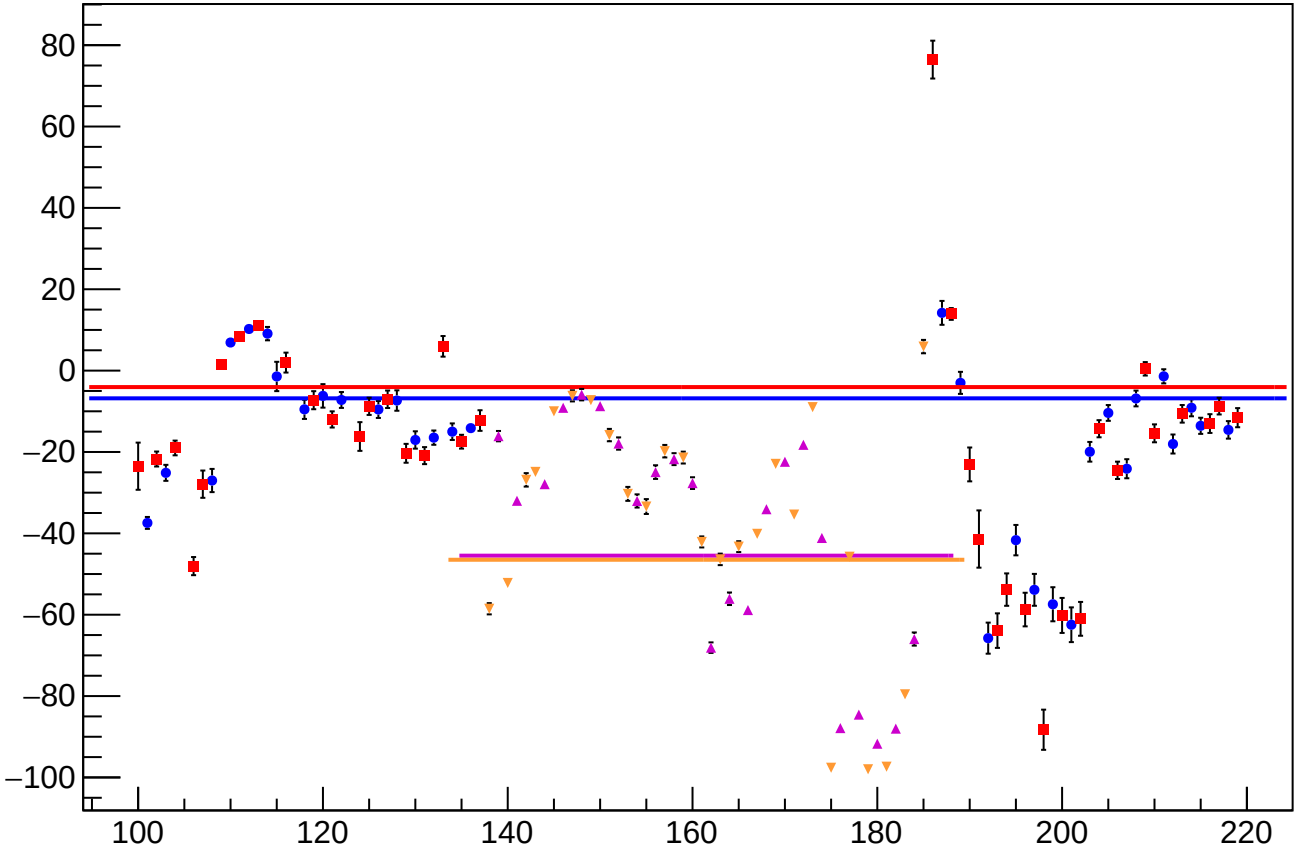
Right: 0.736+/-0.024 χ^2/NDF: 3162.0/68

In: 0.963+/-0.012 χ^2/NDF:2303.9/54

Out: 0.972+/-0.012 χ^2/NDF:2556.0/61

All: 0.968+/-0.008 χ^2/NDF: 4860.2/116

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.812+/-0.321 χ^2/NDF: 2590.0/31

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -4.046+/-0.295 χ^2/NDF: 3452.0/36

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

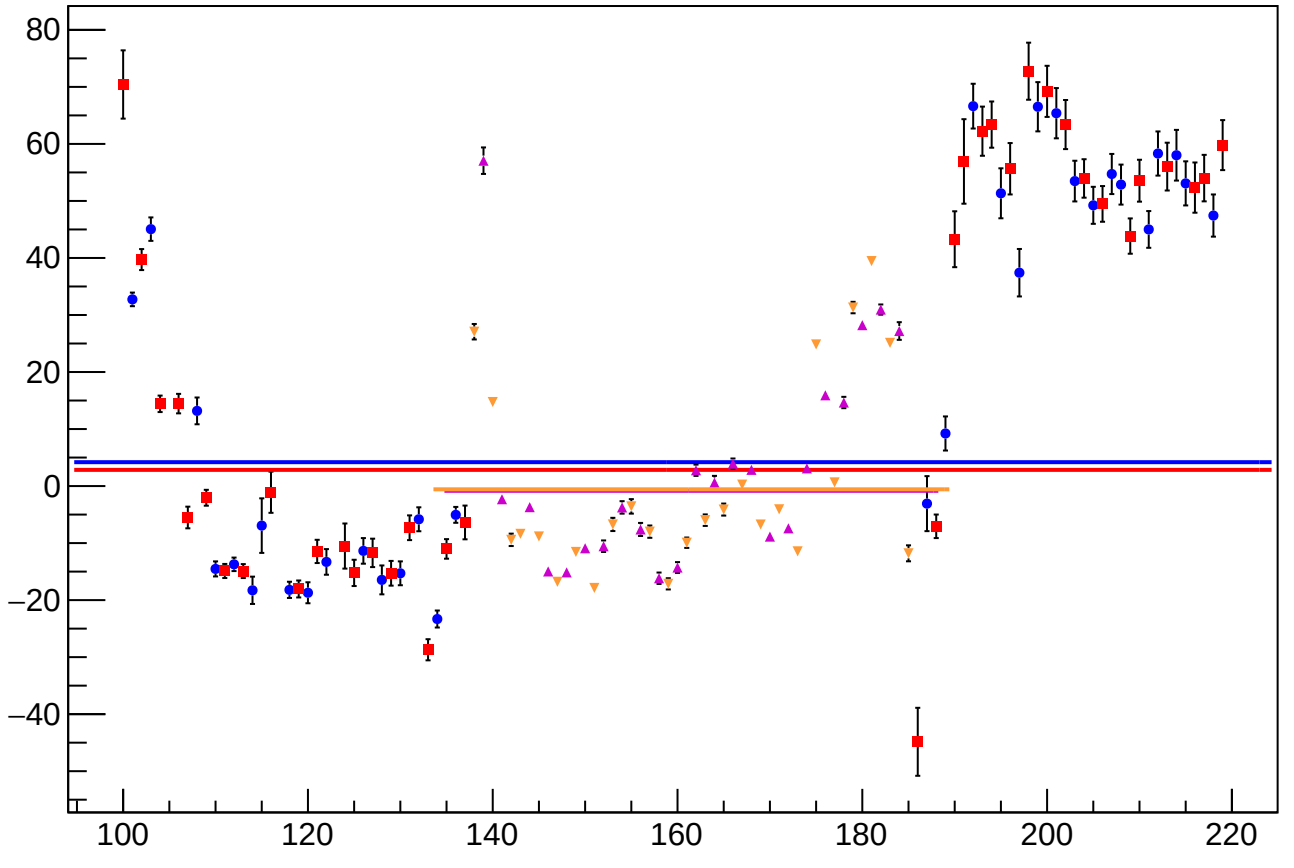
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -5.312+/-0.217 χ^2/NDF: 6082.3/68

In: -31.786+/-0.191 χ^2/NDF:27540.5/54

Out: -30.431+/-0.181 χ^2/NDF:36377.5/61

All: -31.073+/-0.132 χ^2/NDF: 63944.4/116



Right In: 4.189+/-0.392 χ^2/NDF: 4996.6/31

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: 2.841+/-0.383 χ^2/NDF: 4700.5/36

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

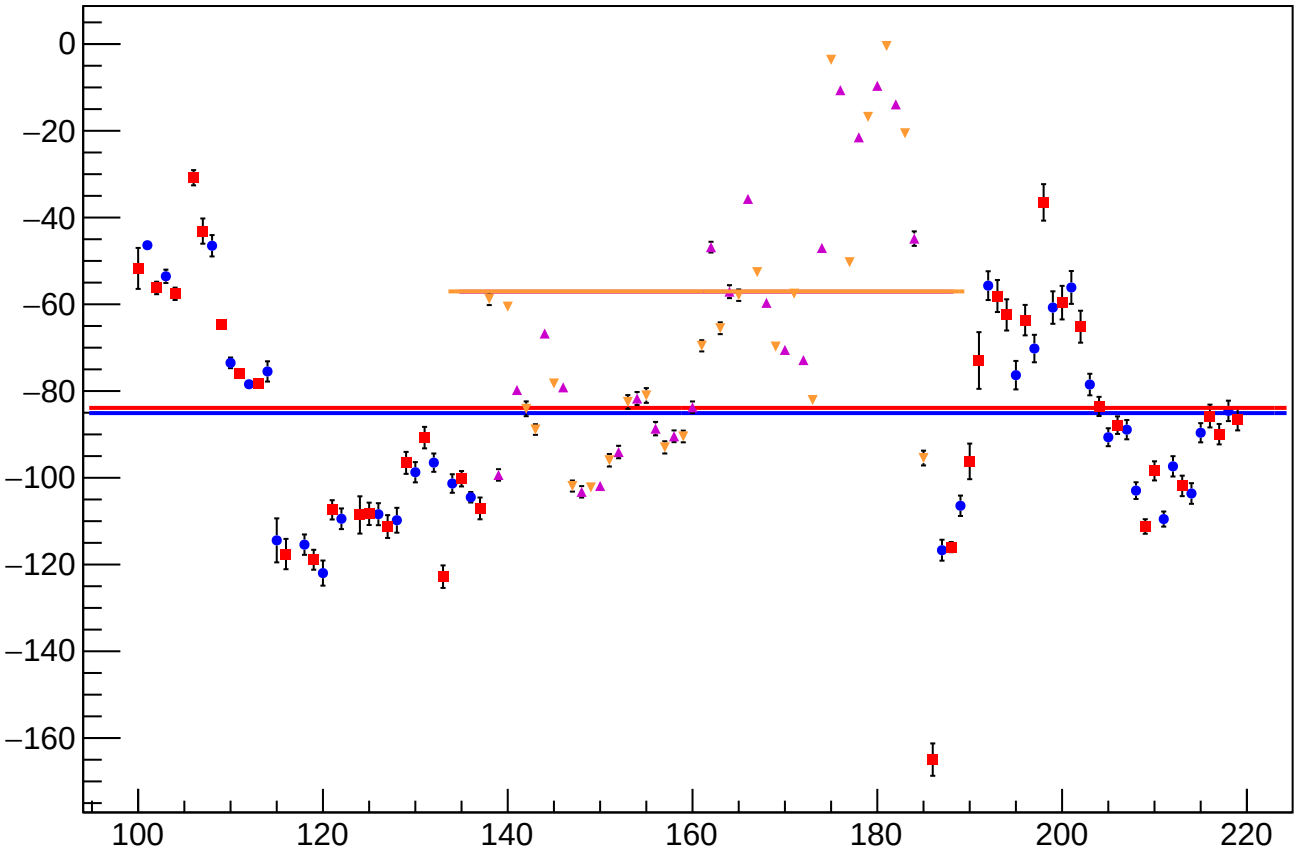
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: 3.498+/-0.274 χ^2/NDF: 9703.2/68

In: 0.070+/-0.166 χ^2/NDF:11247.7/54

Out: 0.031+/-0.161 χ^2/NDF:13217.5/61

All: 0.050+/-0.115 χ^2/NDF: 24465.2/116



Right In: -85.085+/-0.355 χ^2/NDF: 3807.5/31

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -83.884+/-0.338 χ^2/NDF: 5297.7/36

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

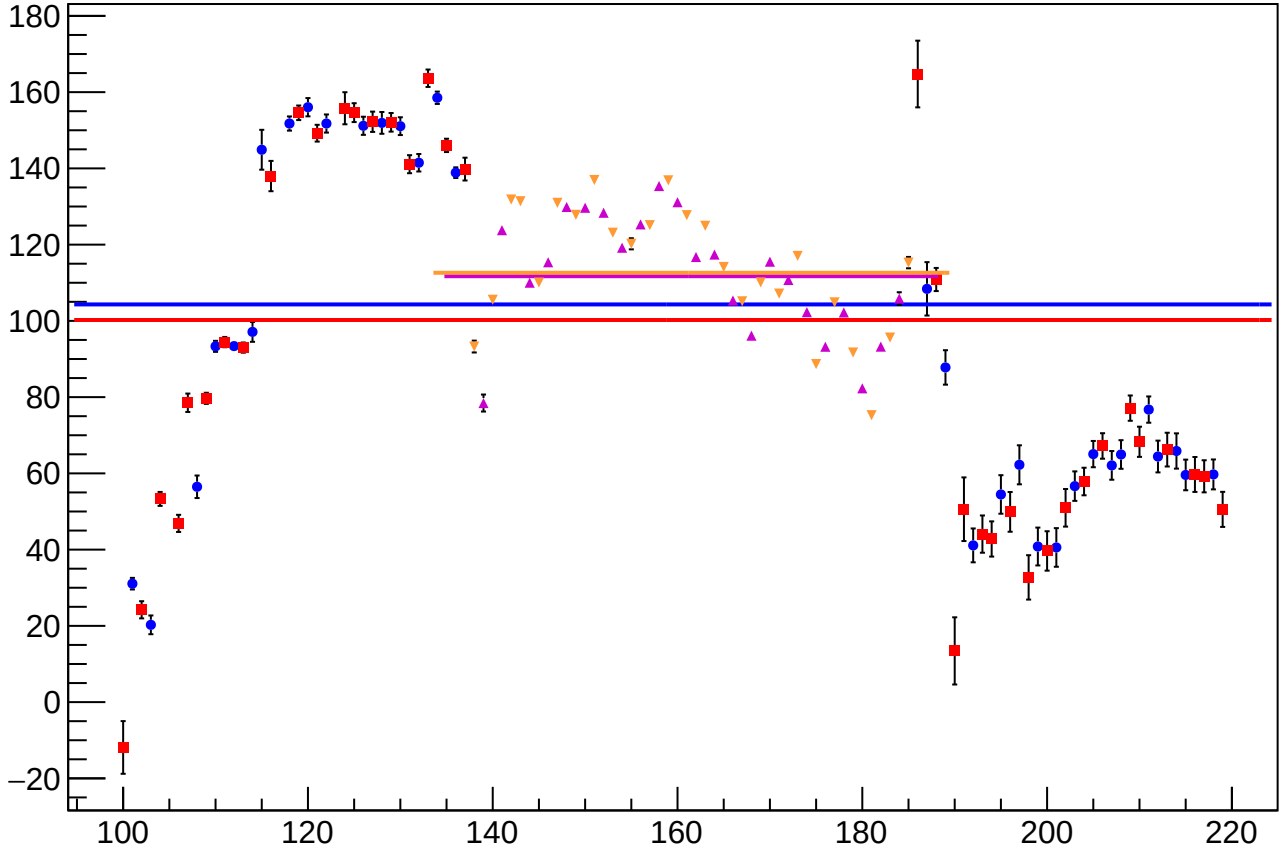
Right: -84.455+/-0.245 χ^2/NDF: 9111.1/68

In: -65.688+/-0.197 χ^2/NDF:25274.9/54

Out: -65.506+/-0.190 χ^2/NDF:29915.0/61

All: -65.594+/-0.137 χ^2/NDF: 55190.3/116

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 104.320+/-0.444 χ^2/NDF: 10228.1/31

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 100.233+/-0.436 χ^2/NDF: 9423.4/36

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

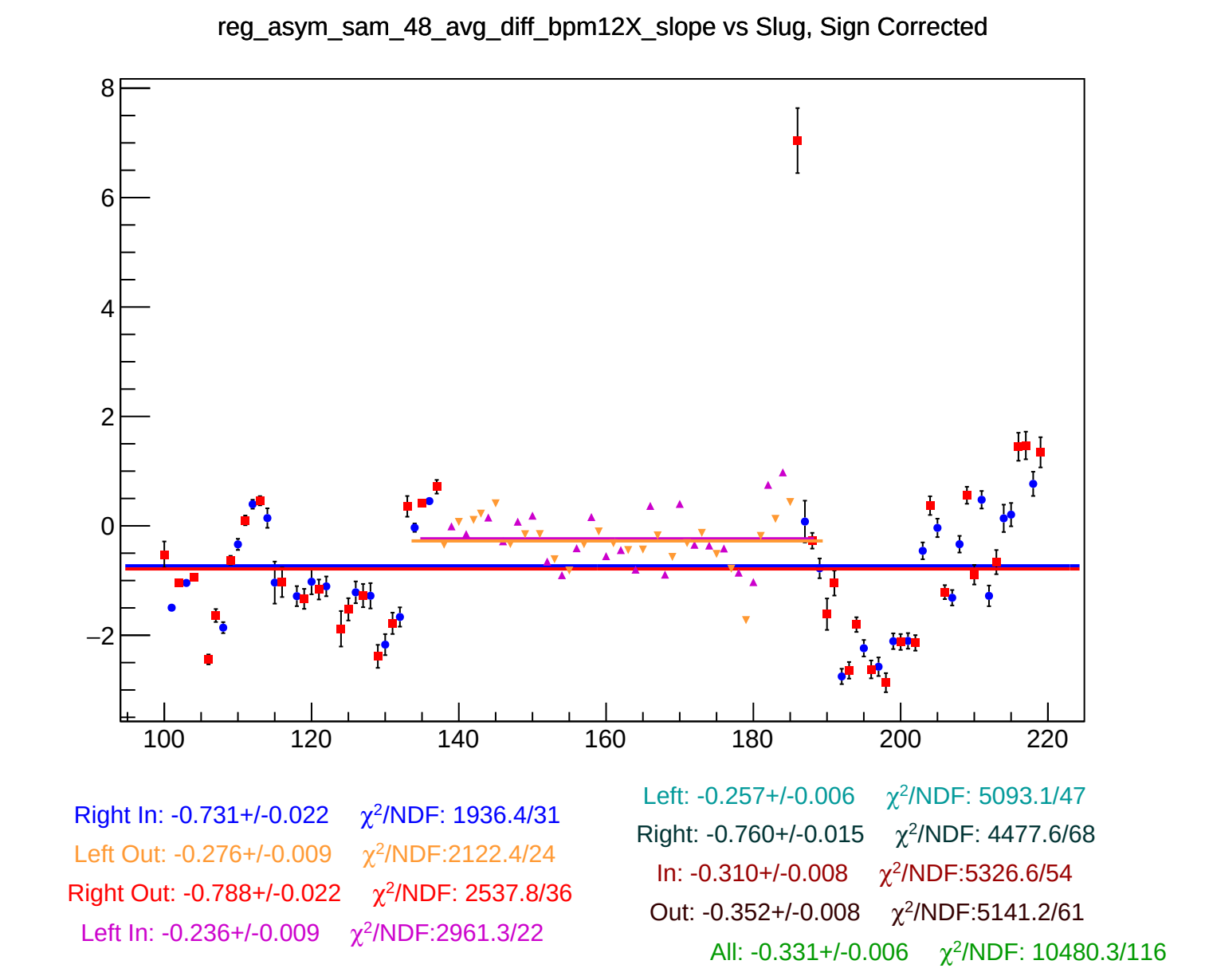
Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

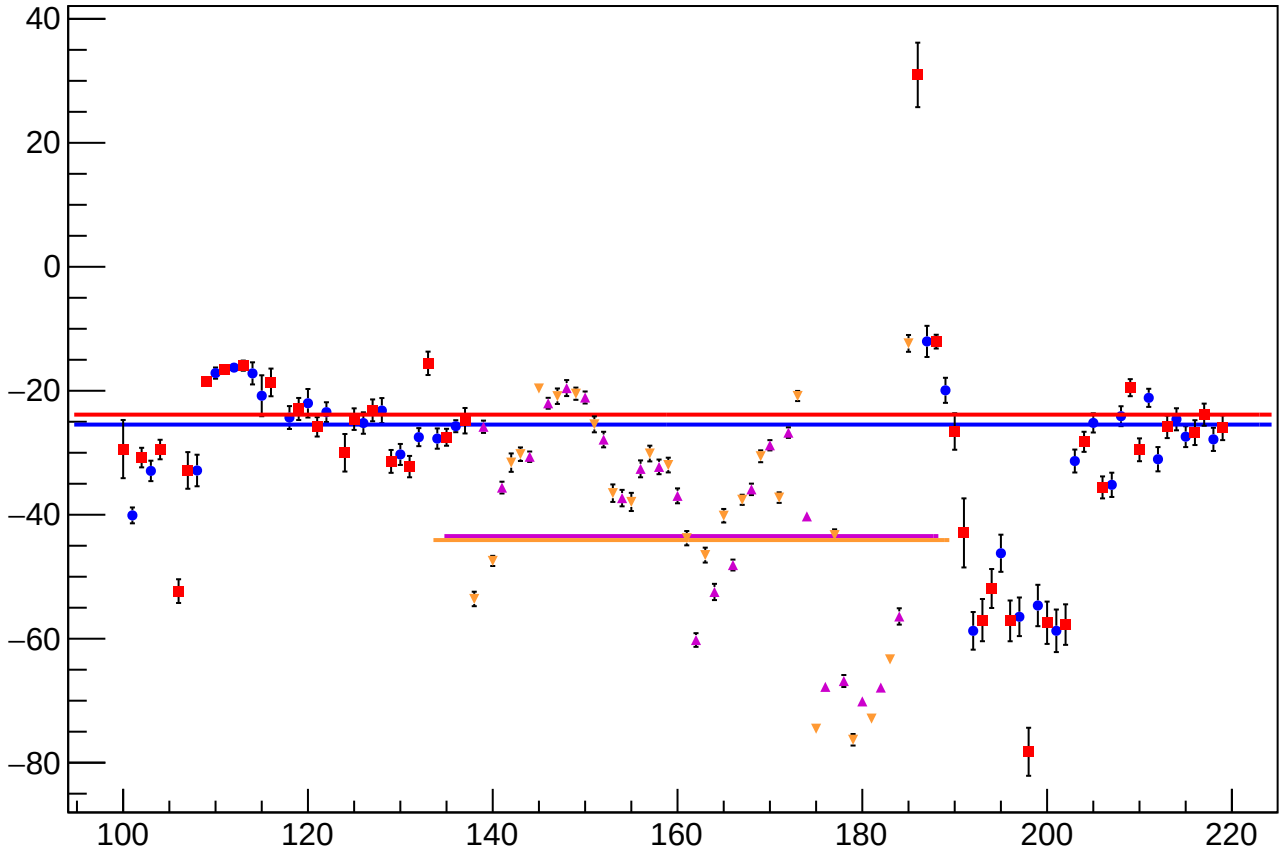
Right: 102.239+/-0.311 χ^2/NDF: 19694.6/68

In: 110.410+/-0.187 χ^2/NDF:15353.3/54

Out: 110.473+/-0.182 χ^2/NDF:16798.5/61

All: 110.442+/-0.130 χ^2/NDF: 32151.9/116


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: -0.731+/-0.022 χ²/NDF: 1936.4/31
Left Out: -0.276+/-0.009 χ²/NDF:2122.4/24
Right Out: -0.788+/-0.022 χ²/NDF: 2537.8/36
Left In: -0.236+/-0.009 χ²/NDF:2961.3/22
Left: -0.257+/-0.006 χ²/NDF: 5093.1/47
Right: -0.760+/-0.015 χ²/NDF: 4477.6/68
In: -0.310+/-0.008 χ²/NDF:5326.6/54
Out: -0.352+/-0.008 χ²/NDF:5141.2/61
All: -0.331+/-0.006 χ²/NDF: 10480.3/116



Right In: -25.456+/-0.286 χ^2/NDF: 963.7/31

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.850+/-0.269 χ^2/NDF: 1562.0/36

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

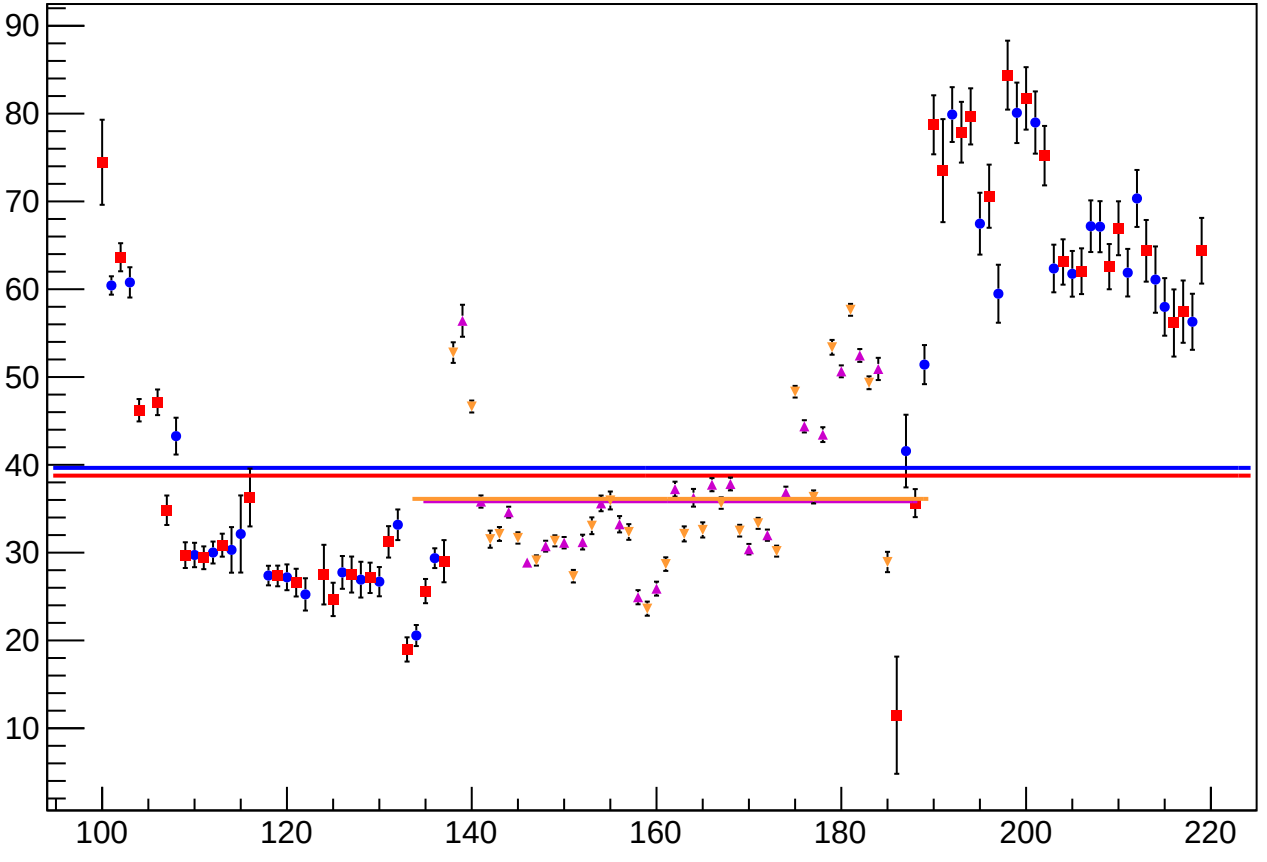
Right: -24.603+/-0.196 χ^2/NDF: 2542.4/68

In: -37.600+/-0.163 χ^2/NDF:11446.7/54

Out: -37.210+/-0.157 χ^2/NDF:15637.9/61

All: -37.397+/-0.113 χ^2/NDF: 27087.6/116

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 39.653+/-0.337 χ^2/NDF: 2539.1/31

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 38.771+/-0.332 χ^2/NDF: 2572.6/36

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

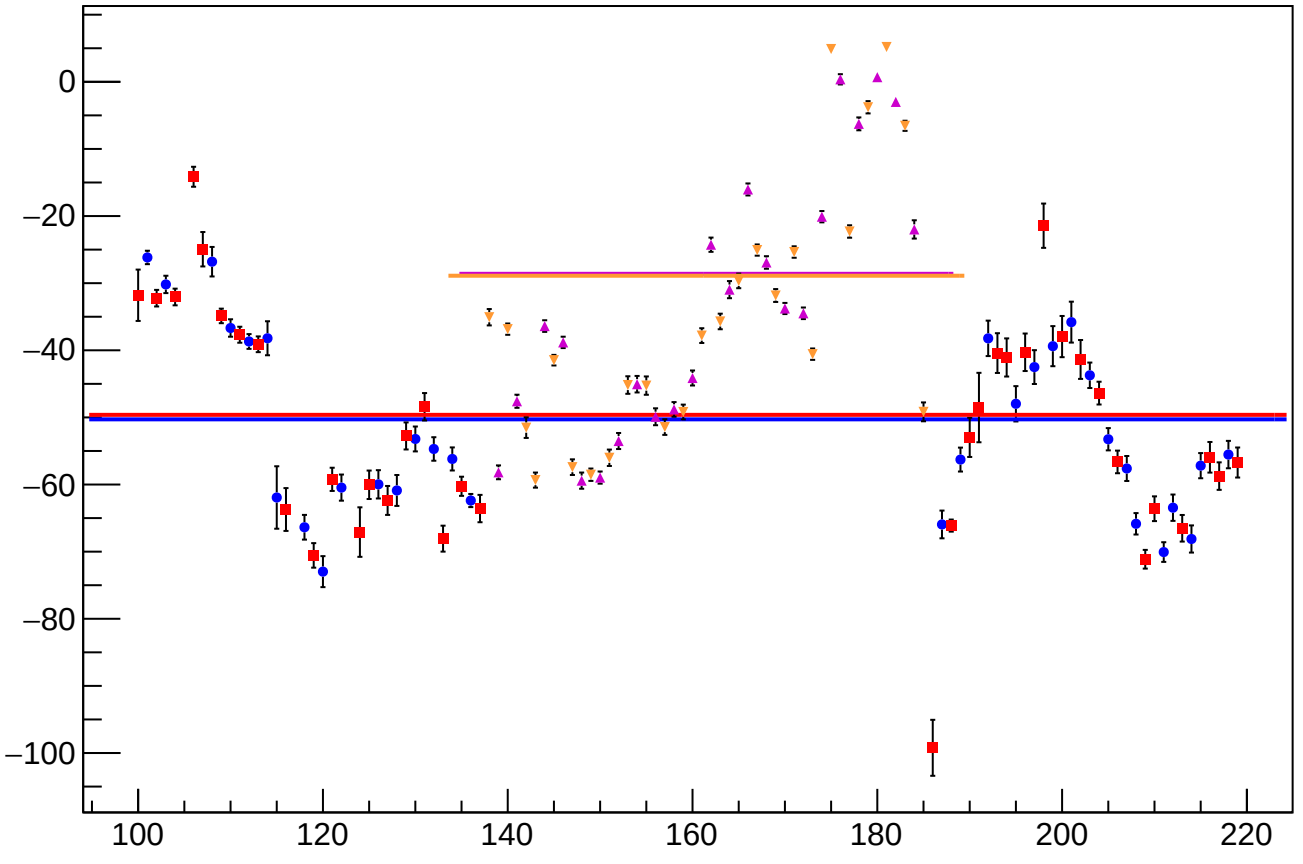
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 39.205+/-0.236 χ^2/NDF: 5115.1/68

In: 36.515+/-0.141 χ^2/NDF:4937.7/54

Out: 36.572+/-0.137 χ^2/NDF:6184.0/61

All: 36.545+/-0.098 χ^2/NDF: 11121.7/116



Right In: -50.288+/-0.307 χ^2/NDF: 2188.2/31

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -49.617+/-0.295 χ^2/NDF: 2937.3/36

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

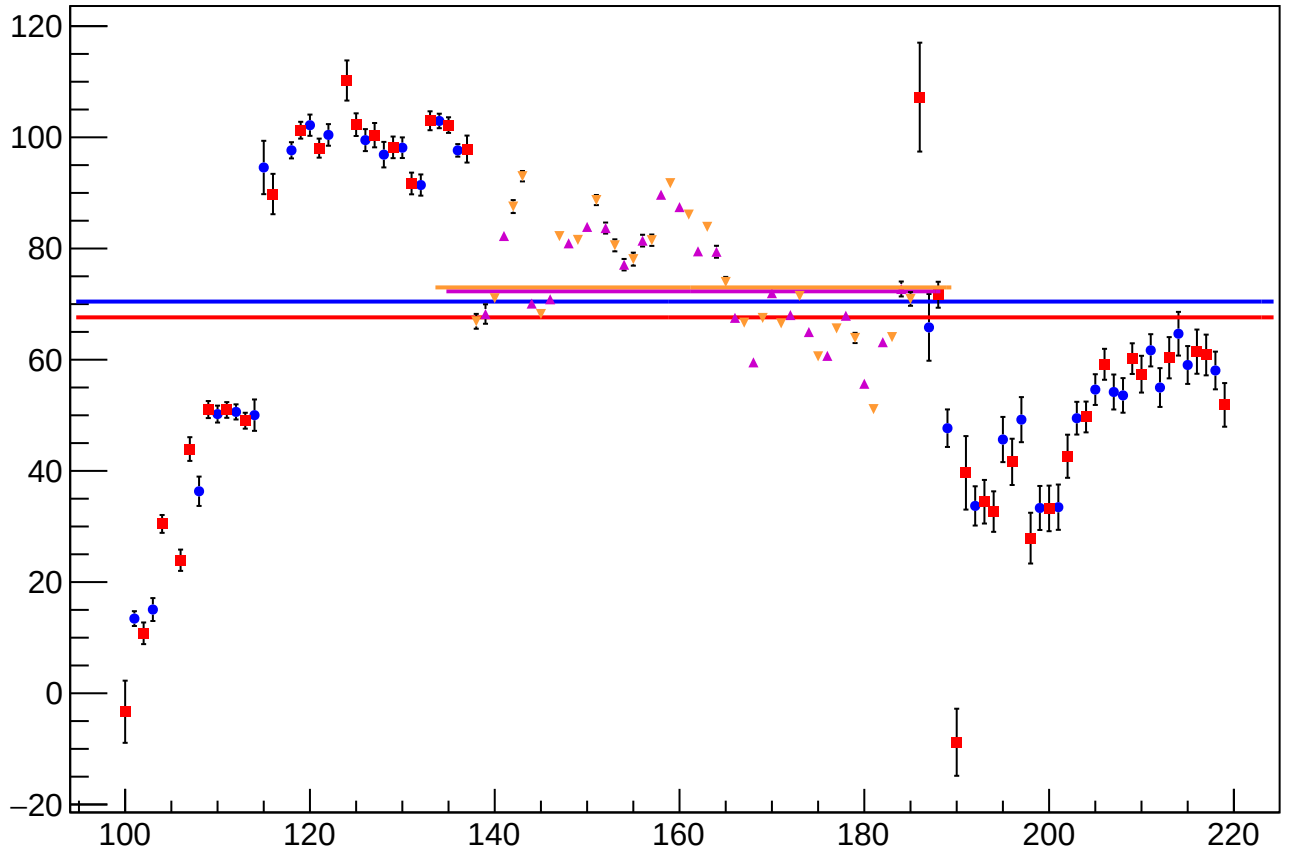
Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

Right: -49.939+/-0.213 χ^2/NDF: 5127.9/68

In: -34.965+/-0.166 χ^2/NDF:15728.7/54

Out: -35.100+/-0.161 χ^2/NDF:18199.2/61

All: -35.035+/-0.116 χ^2/NDF: 33928.2/116



Right In: 70.458+/-0.383 χ^2/NDF: 6528.4/31

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 67.617+/-0.381 χ^2/NDF: 6391.3/36

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

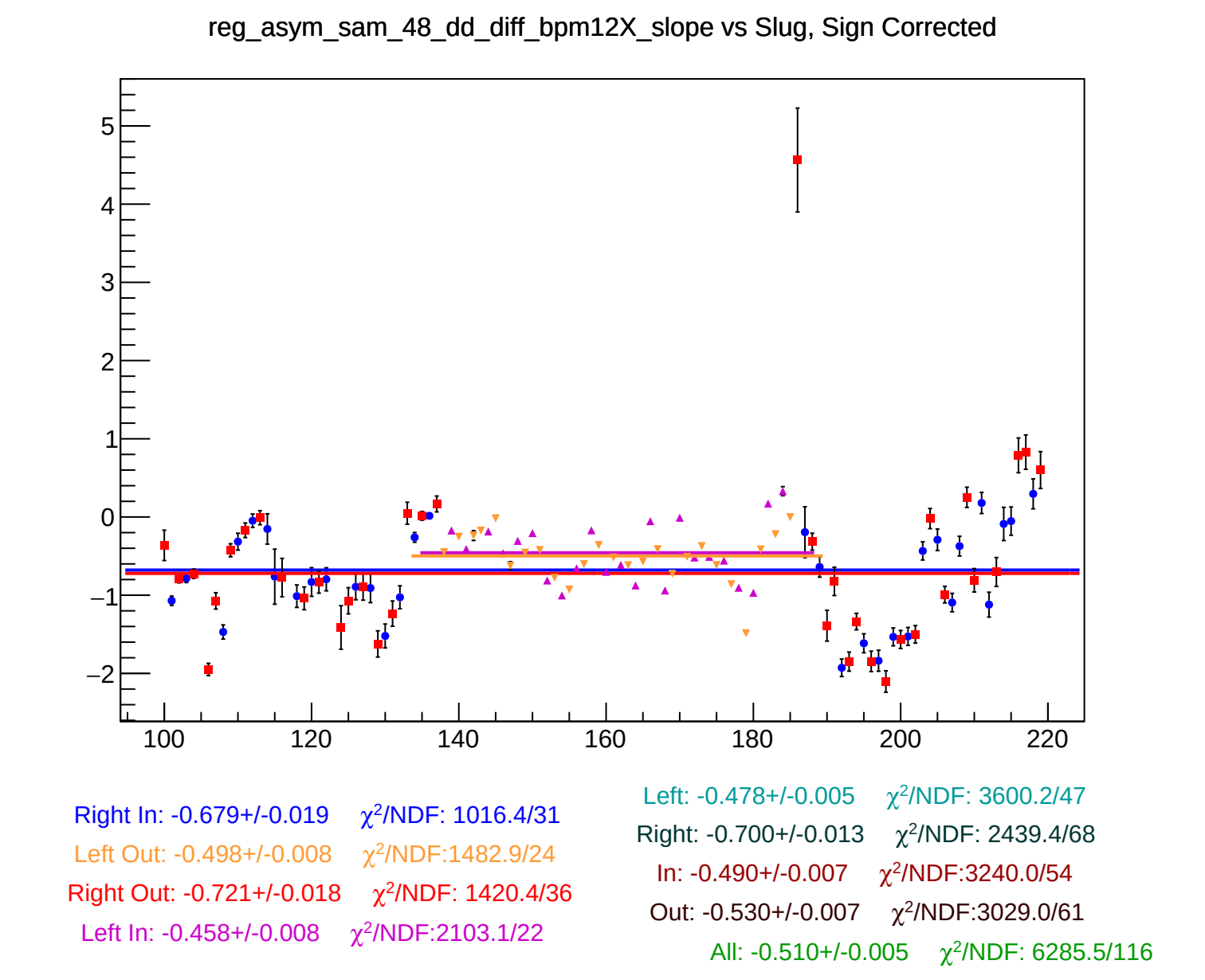
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 69.028+/-0.270 χ^2/NDF: 12947.3/68

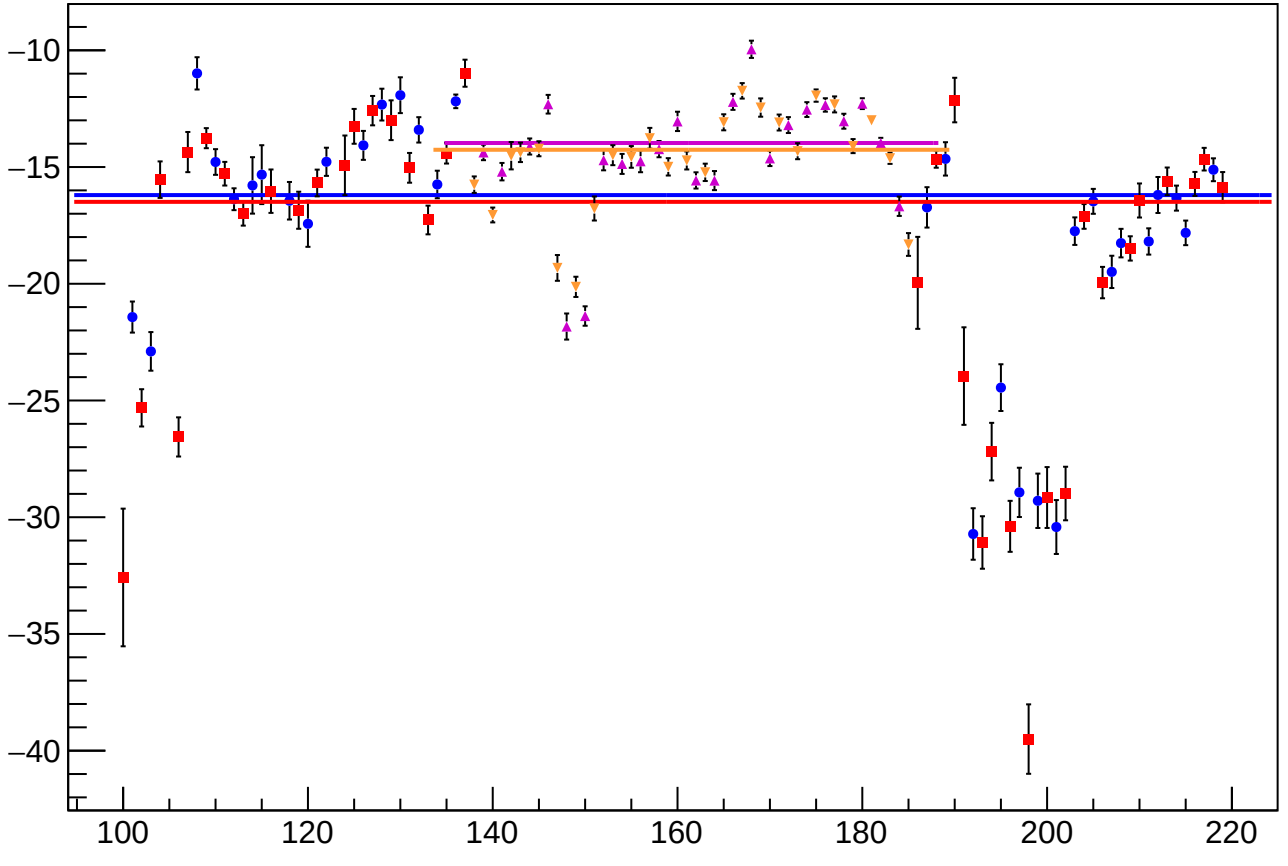
In: 71.989+/-0.158 χ^2/NDF:9460.1/54

Out: 72.121+/-0.154 χ^2/NDF:10610.9/61

All: 72.057+/-0.110 χ^2/NDF: 20071.4/116


reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.679+/-0.019 χ²/NDF: 1016.4/31
Left Out: -0.498+/-0.008 χ²/NDF:1482.9/24
Right Out: -0.721+/-0.018 χ²/NDF: 1420.4/36
Left In: -0.458+/-0.008 χ²/NDF:2103.1/22
Left: -0.478+/-0.005 χ²/NDF: 3600.2/47
Right: -0.700+/-0.013 χ²/NDF: 2439.4/68
In: -0.490+/-0.007 χ²/NDF:3240.0/54
Out: -0.530+/-0.007 χ²/NDF:3029.0/61
All: -0.510+/-0.005 χ²/NDF: 6285.5/116

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.202+/-0.112 χ^2/NDF: 1228.1/31

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.491+/-0.110 χ^2/NDF: 1529.8/36

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

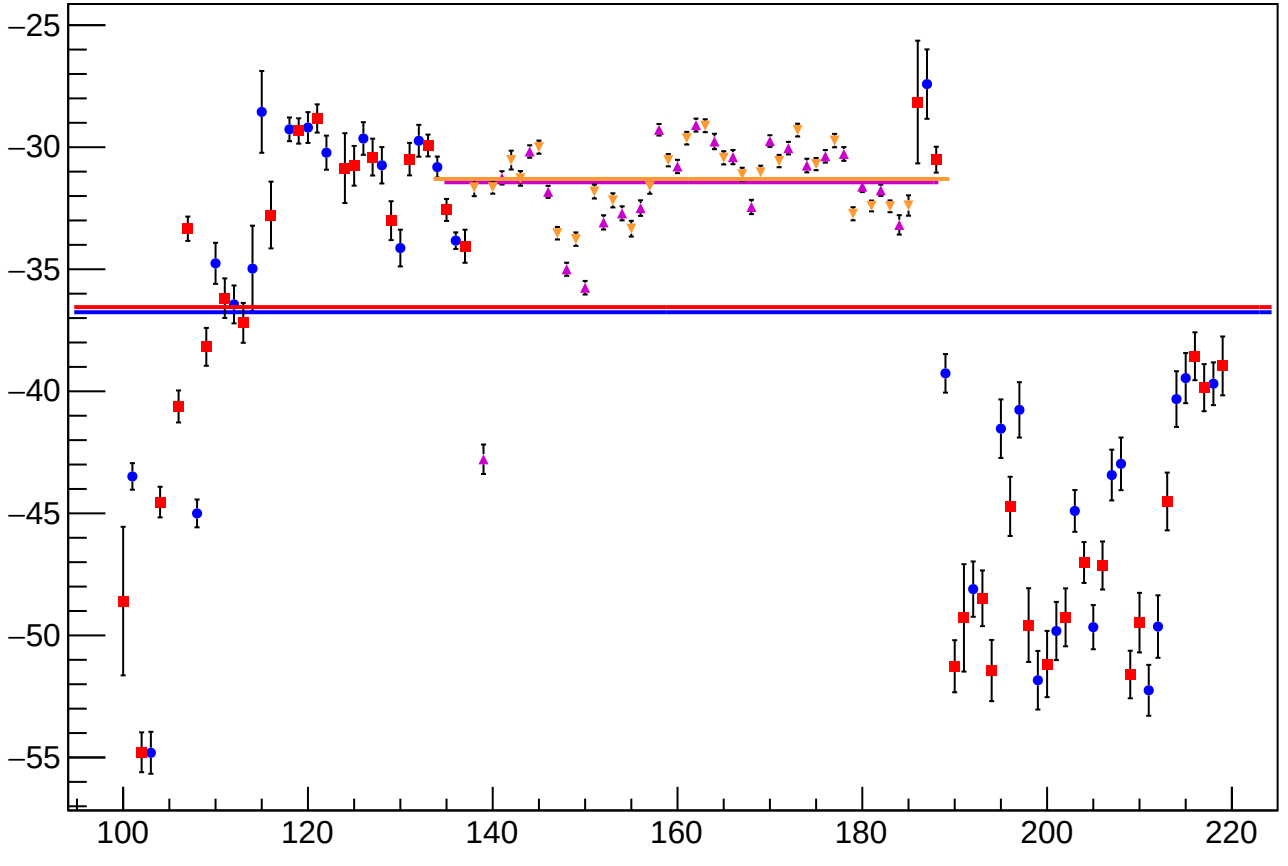
Right: -16.349+/-0.079 χ^2/NDF: 2761.3/68

In: -14.620+/-0.061 χ^2/NDF:2416.4/54

Out: -14.897+/-0.059 χ^2/NDF:2546.1/61

All: -14.762+/-0.042 χ^2/NDF: 4973.3/116

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -36.761+/-0.132 χ^2/NDF: 3050.6/31

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -36.550+/-0.131 χ^2/NDF: 3339.6/36

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

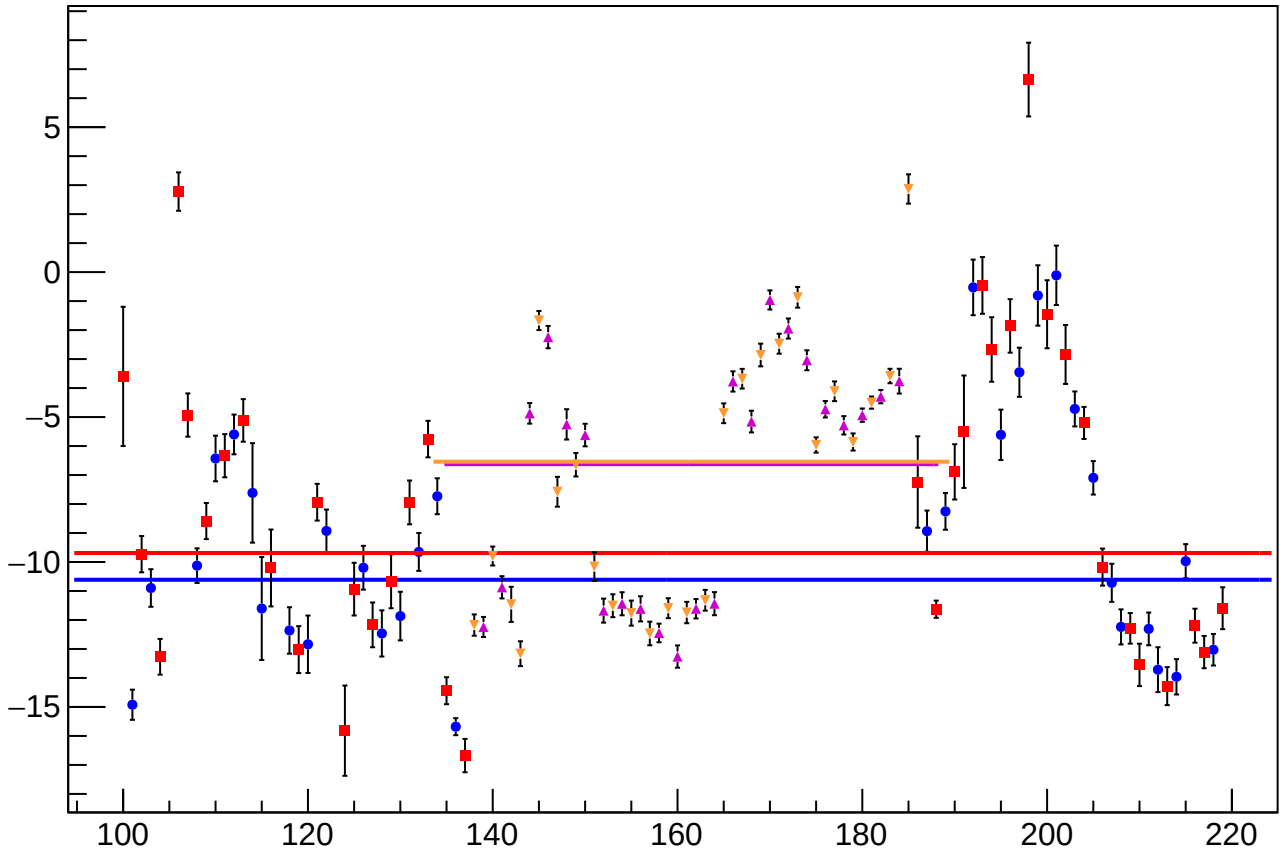
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -36.654+/-0.093 χ^2/NDF: 6391.5/68

In: -32.278+/-0.053 χ^2/NDF:5631.4/54

Out: -32.094+/-0.051 χ^2/NDF:5258.0/61

All: -32.183+/-0.037 χ^2/NDF: 10895.7/116



Right In: -10.612+/-0.116 χ^2/NDF: 1143.4/31

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.689+/-0.114 χ^2/NDF: 1597.2/36

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

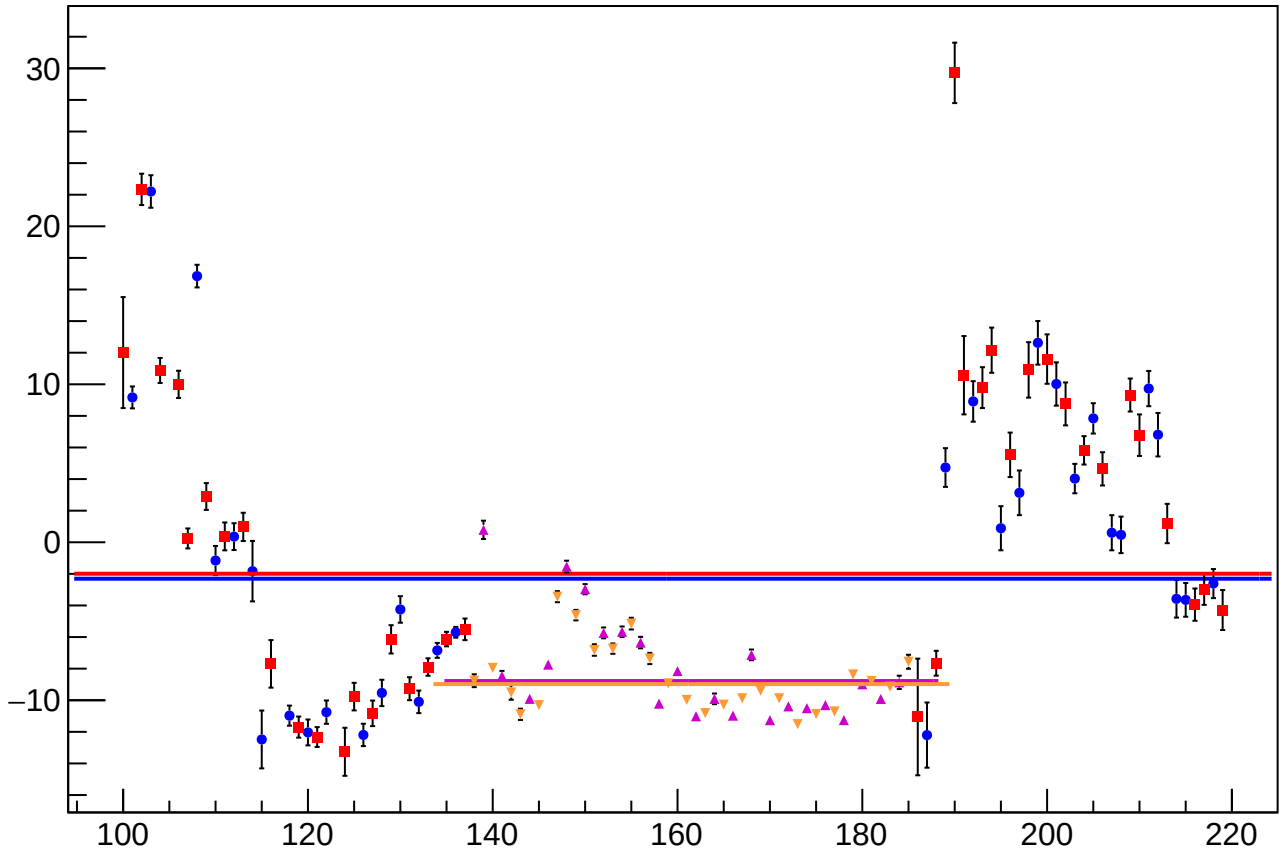
Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

Right: -10.141+/-0.082 χ^2/NDF: 2772.6/68

In: -7.715+/-0.061 χ^2/NDF:4902.9/54

Out: -7.391+/-0.059 χ^2/NDF:5394.3/61

All: -7.549+/-0.043 χ^2/NDF: 10311.7/116



Right In: -2.307+/-0.149 χ^2/NDF: 3325.7/31

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -1.992+/-0.151 χ^2/NDF: 3285.1/36

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

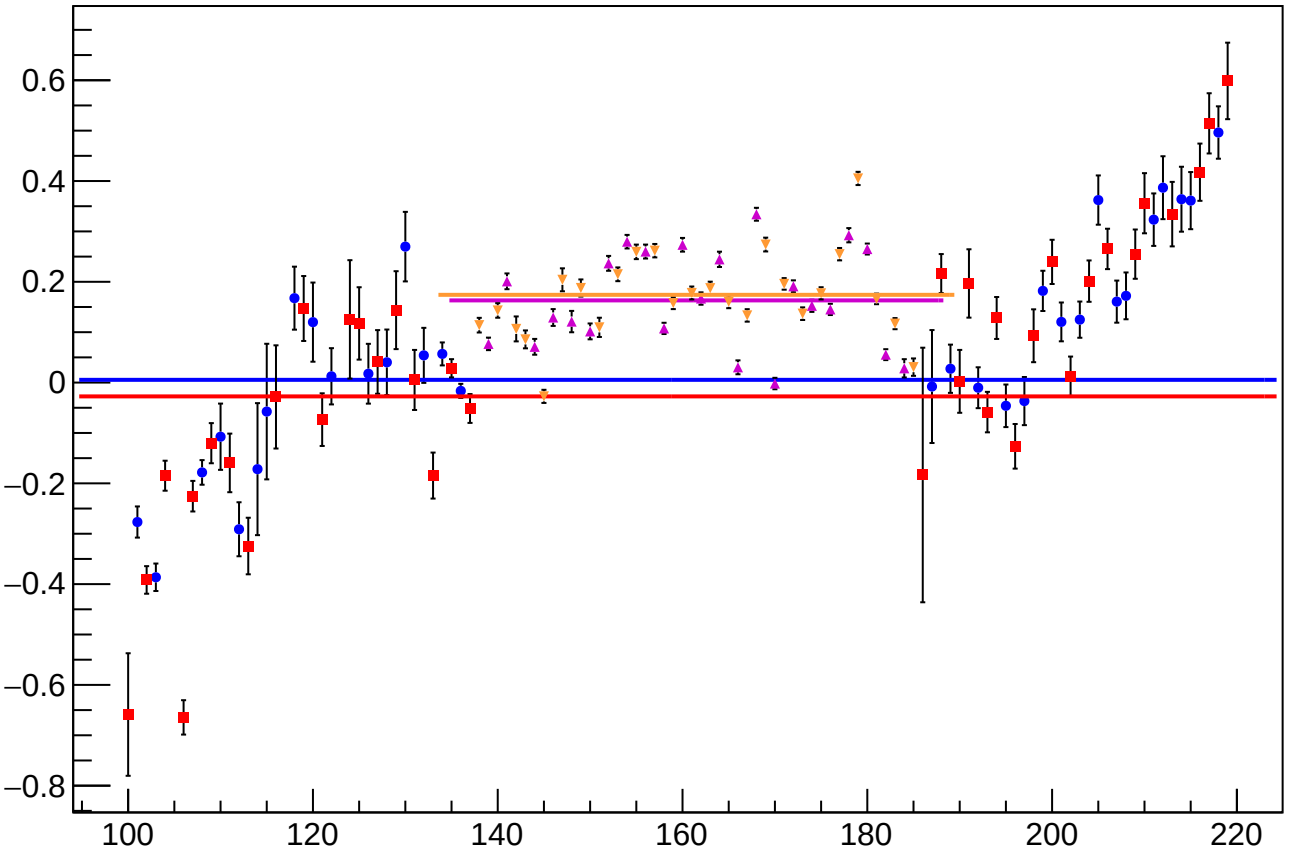
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -2.152+/-0.106 χ^2/NDF: 6613.0/68

In: -7.787+/-0.058 χ^2/NDF:6618.7/54

Out: -7.979+/-0.057 χ^2/NDF:6103.0/61

All: -7.886+/-0.041 χ^2/NDF: 12727.2/116



Right In: 0.005+/-0.007 χ^2/NDF: 770.5/31

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.027+/-0.007 χ^2/NDF: 1220.9/36

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

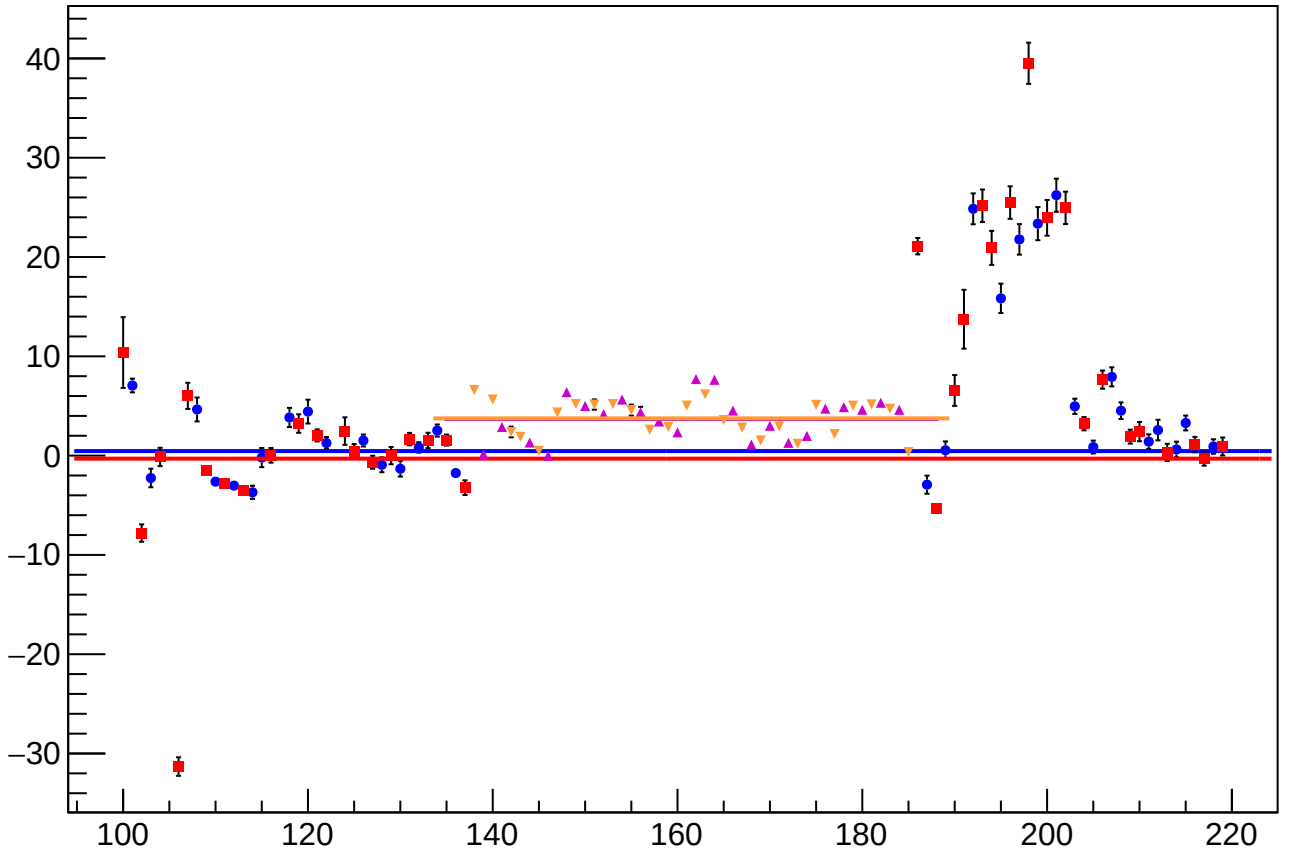
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.010+/-0.005 χ^2/NDF: 2002.3/68

In: 0.141+/-0.003 χ^2/NDF:2411.6/54

Out: 0.149+/-0.003 χ^2/NDF:2835.3/61

All: 0.145+/-0.002 χ^2/NDF: 5251.1/116



Right In: 0.456+/-0.117 χ^2/NDF: 1604.4/31

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.306+/-0.111 χ^2/NDF: 3866.4/36

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

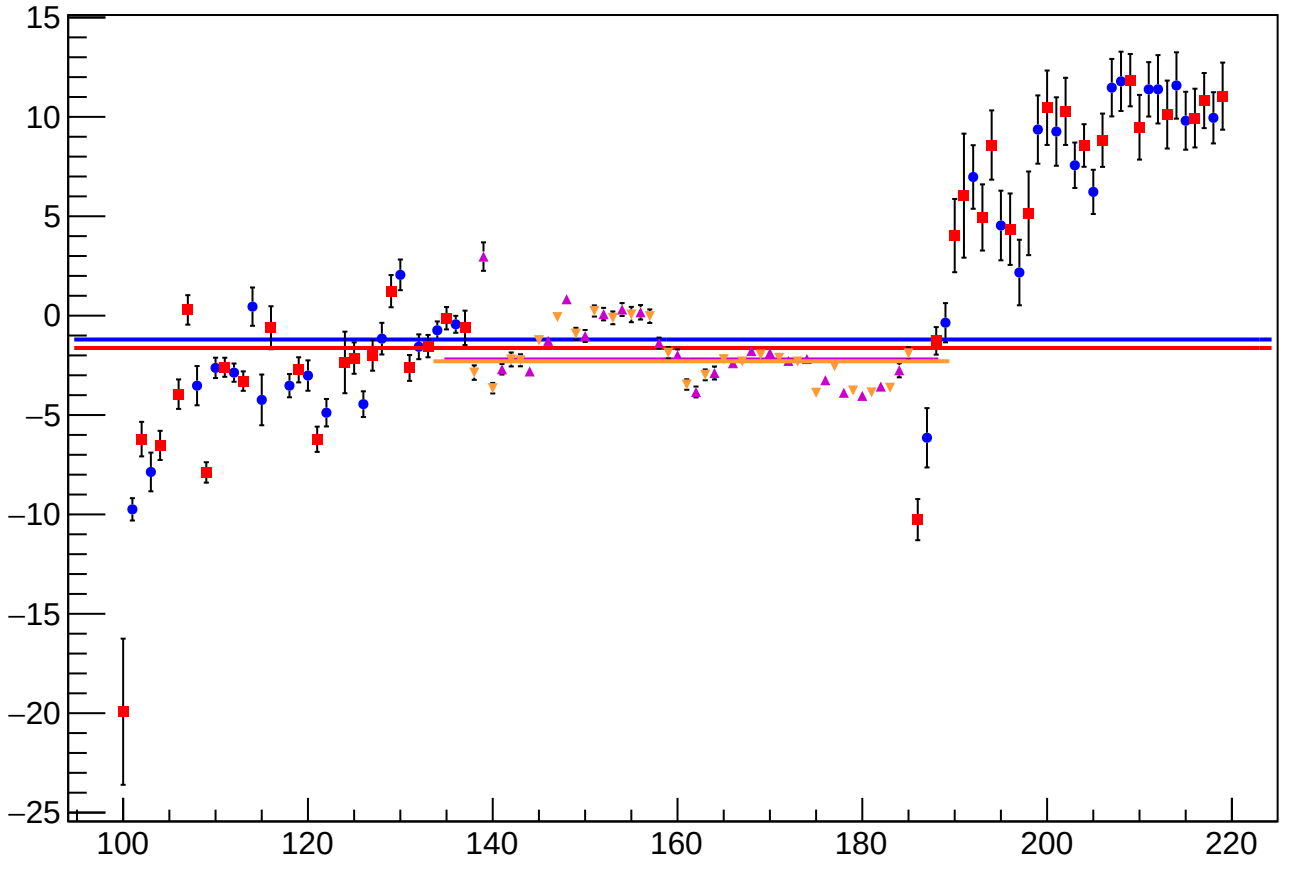
Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

Right: 0.053+/-0.080 χ^2/NDF: 5493.2/68

In: 2.948+/-0.056 χ^2/NDF:3143.4/54

Out: 2.782+/-0.054 χ^2/NDF:5698.6/61

All: 2.862+/-0.039 χ^2/NDF: 8846.6/116



Right In: -1.200+/-0.143 χ^2/NDF: 1122.8/31

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -1.627+/-0.142 χ^2/NDF: 1154.1/36

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

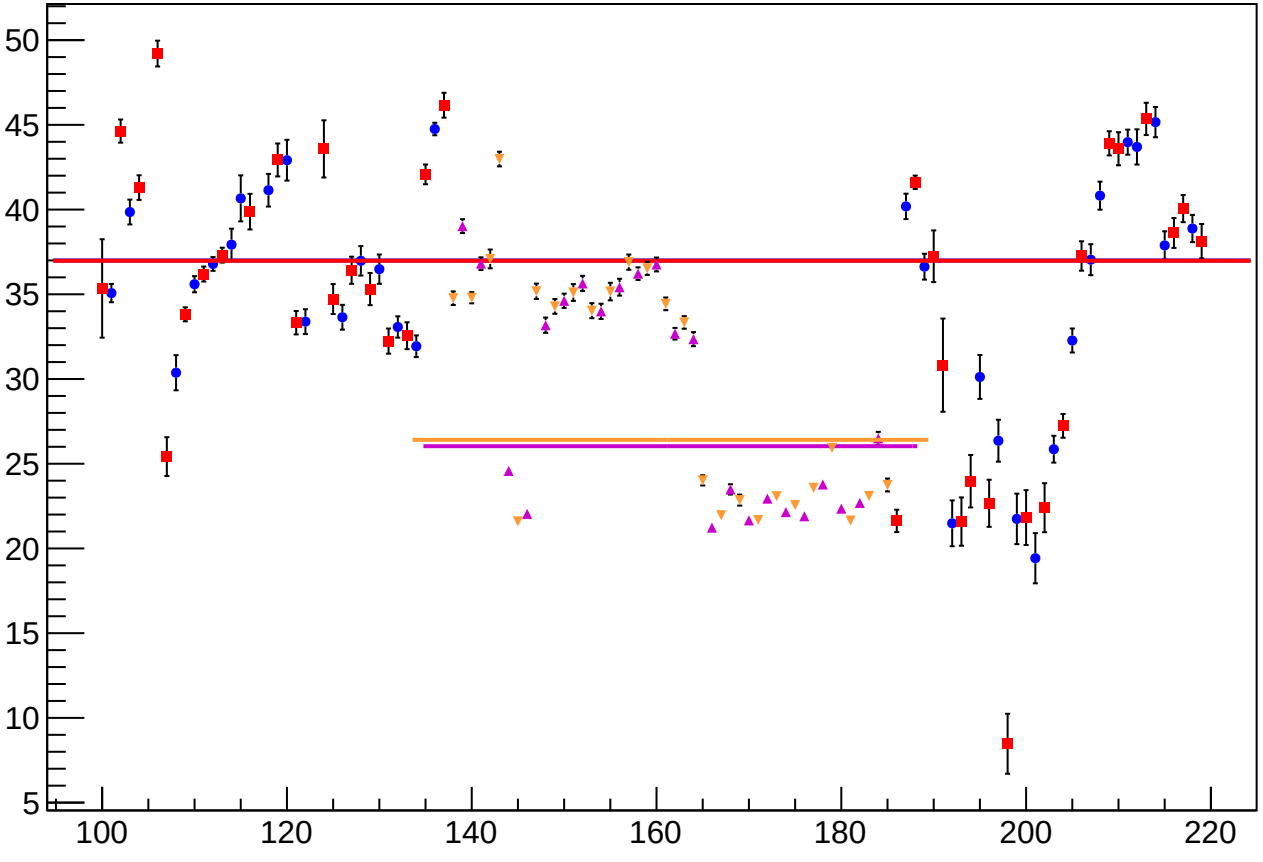
Right: -1.415+/-0.101 χ^2/NDF: 2281.4/68

In: -2.092+/-0.048 χ^2/NDF:1891.4/54

Out: -2.222+/-0.047 χ^2/NDF:1805.2/61

All: -2.158+/-0.033 χ^2/NDF: 3700.4/116

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 36.996+/-0.131 χ^2/NDF: 1697.6/31

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.979+/-0.126 χ^2/NDF: 2842.2/36

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

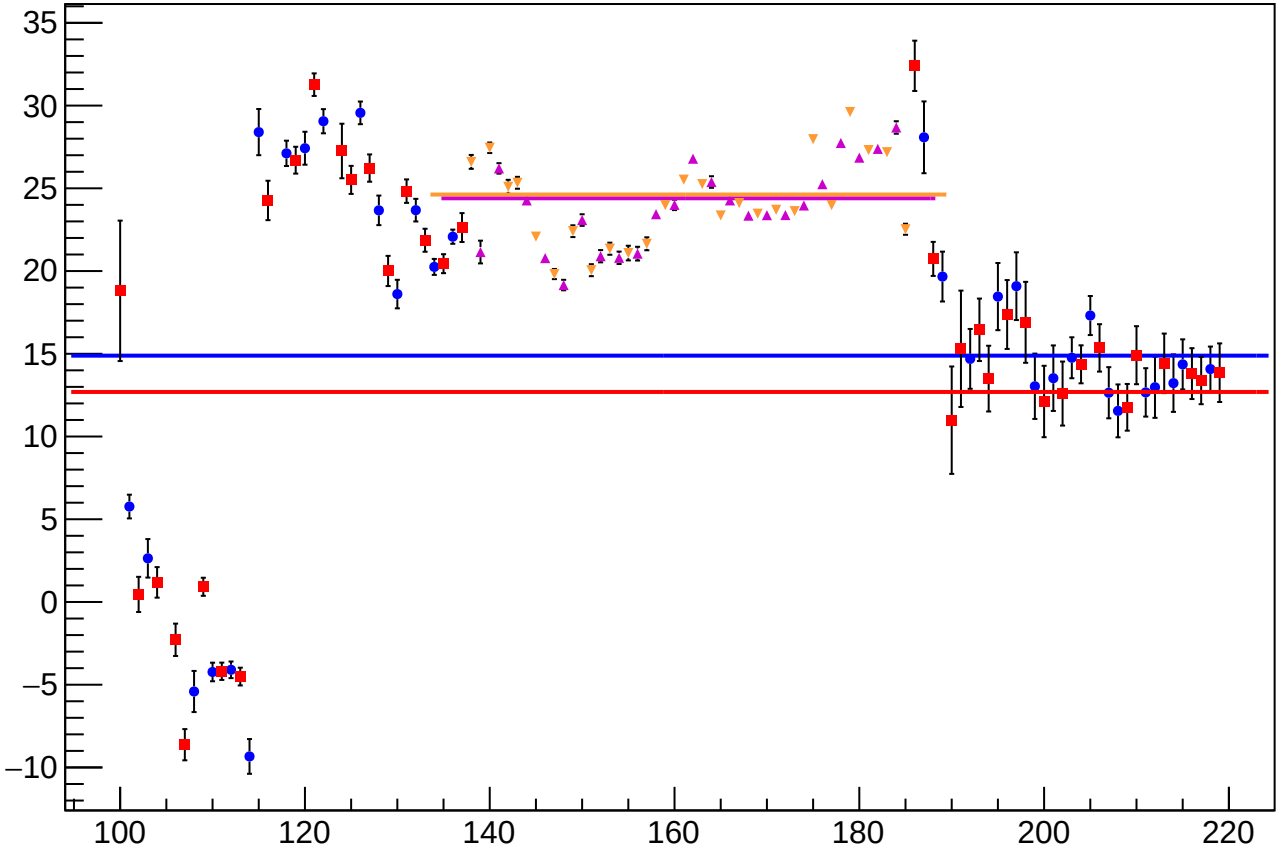
Right: 36.987+/-0.091 χ^2/NDF: 4539.8/68

In: 28.138+/-0.057 χ^2/NDF:15186.2/54

Out: 28.473+/-0.056 χ^2/NDF:17682.0/61

All: 28.310+/-0.040 χ^2/NDF: 32885.7/116

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.887+/-0.160 χ^2/NDF: 5757.7/31

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.693+/-0.161 χ^2/NDF: 6374.9/36

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

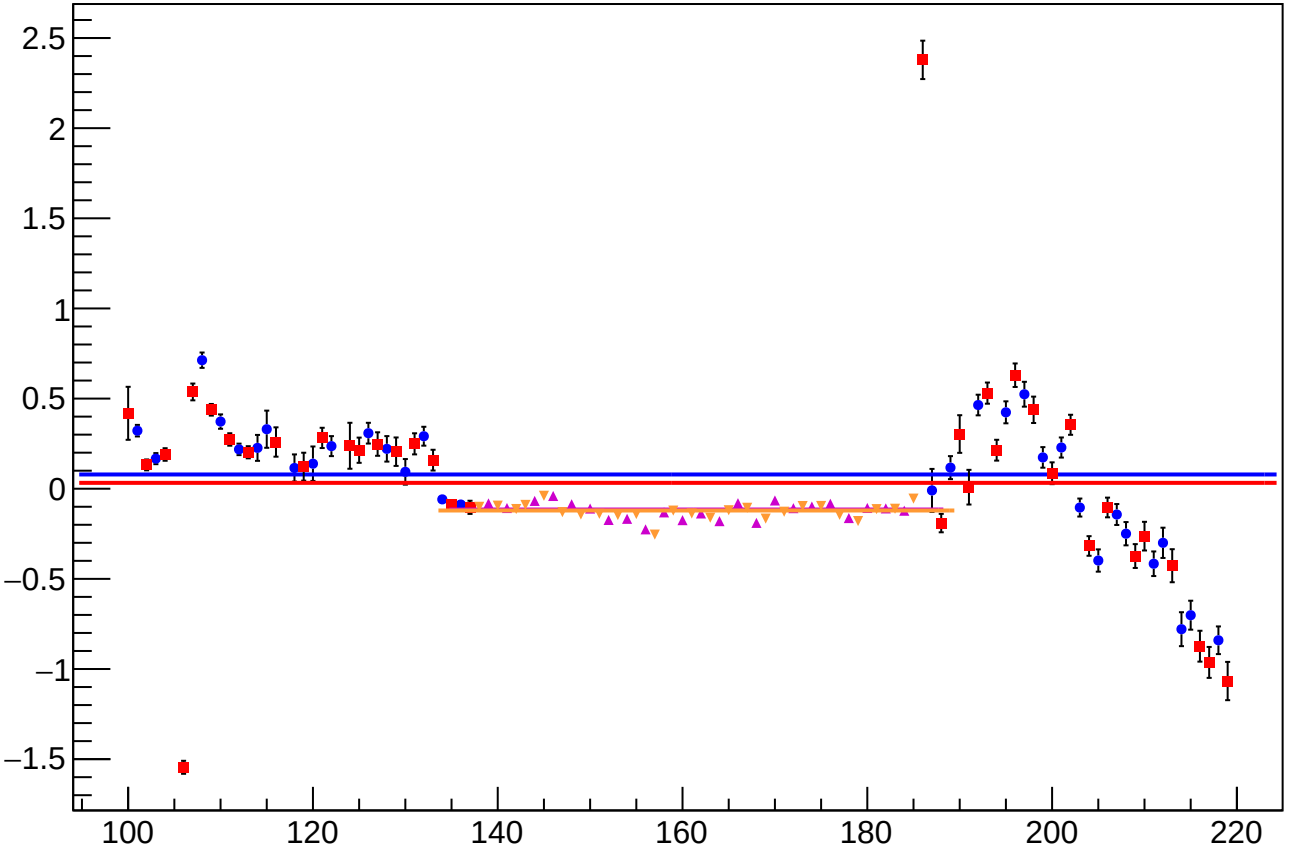
Right: 13.800+/-0.113 χ^2/NDF: 12226.3/68

In: 23.339+/-0.053 χ^2/NDF:10630.5/54

Out: 23.371+/-0.052 χ^2/NDF:13238.4/61

All: 23.355+/-0.037 χ^2/NDF: 23869.0/116

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.079+/-0.008 χ^2/NDF: 1179.4/31

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.033+/-0.008 χ^2/NDF: 3634.7/36

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

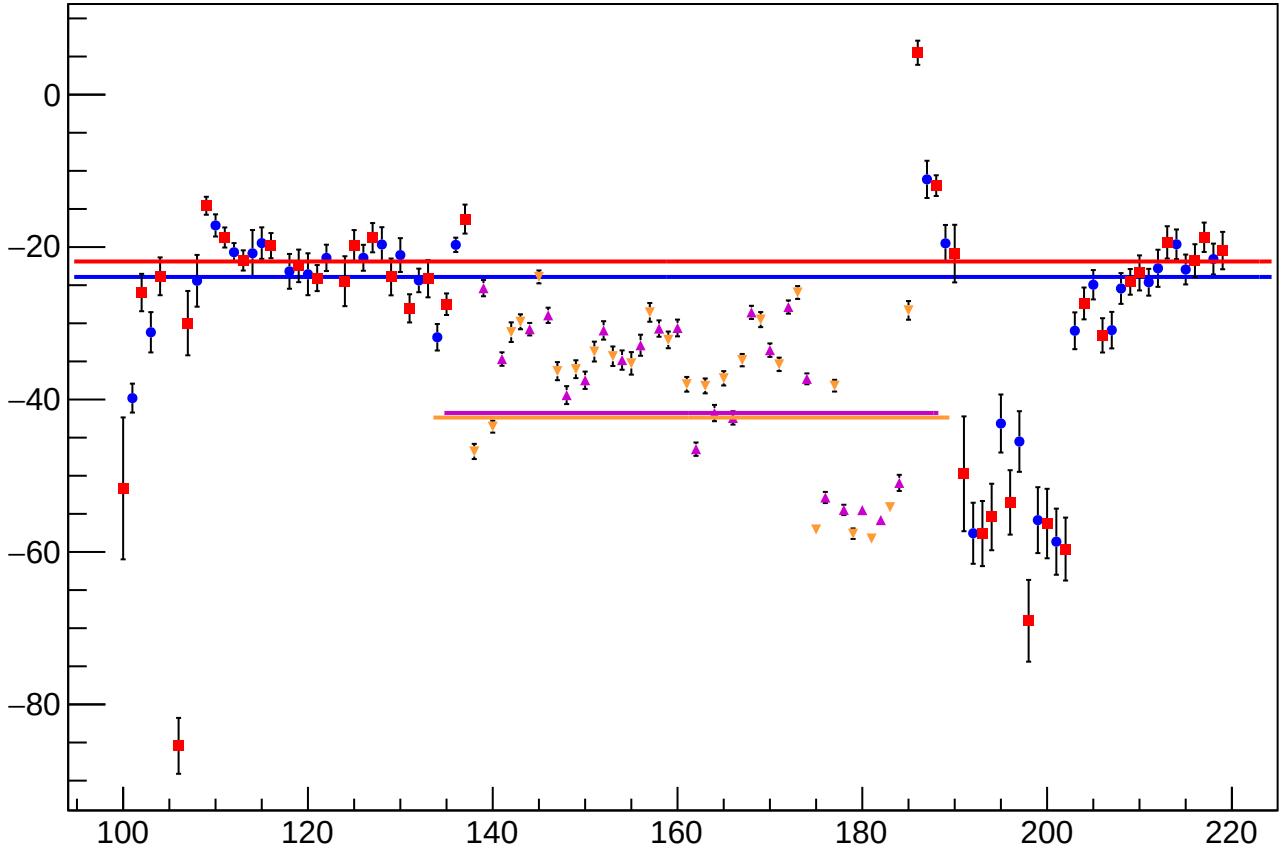
Right: 0.056+/-0.006 χ^2/NDF: 4829.9/68

In: -0.099+/-0.002 χ^2/NDF:1988.4/54

Out: -0.109+/-0.002 χ^2/NDF:4206.7/61

All: -0.104+/-0.002 χ^2/NDF: 6204.1/116

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.918+/-0.352 χ^2/NDF: 462.2/31

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -21.889+/-0.344 χ^2/NDF: 1207.3/36

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

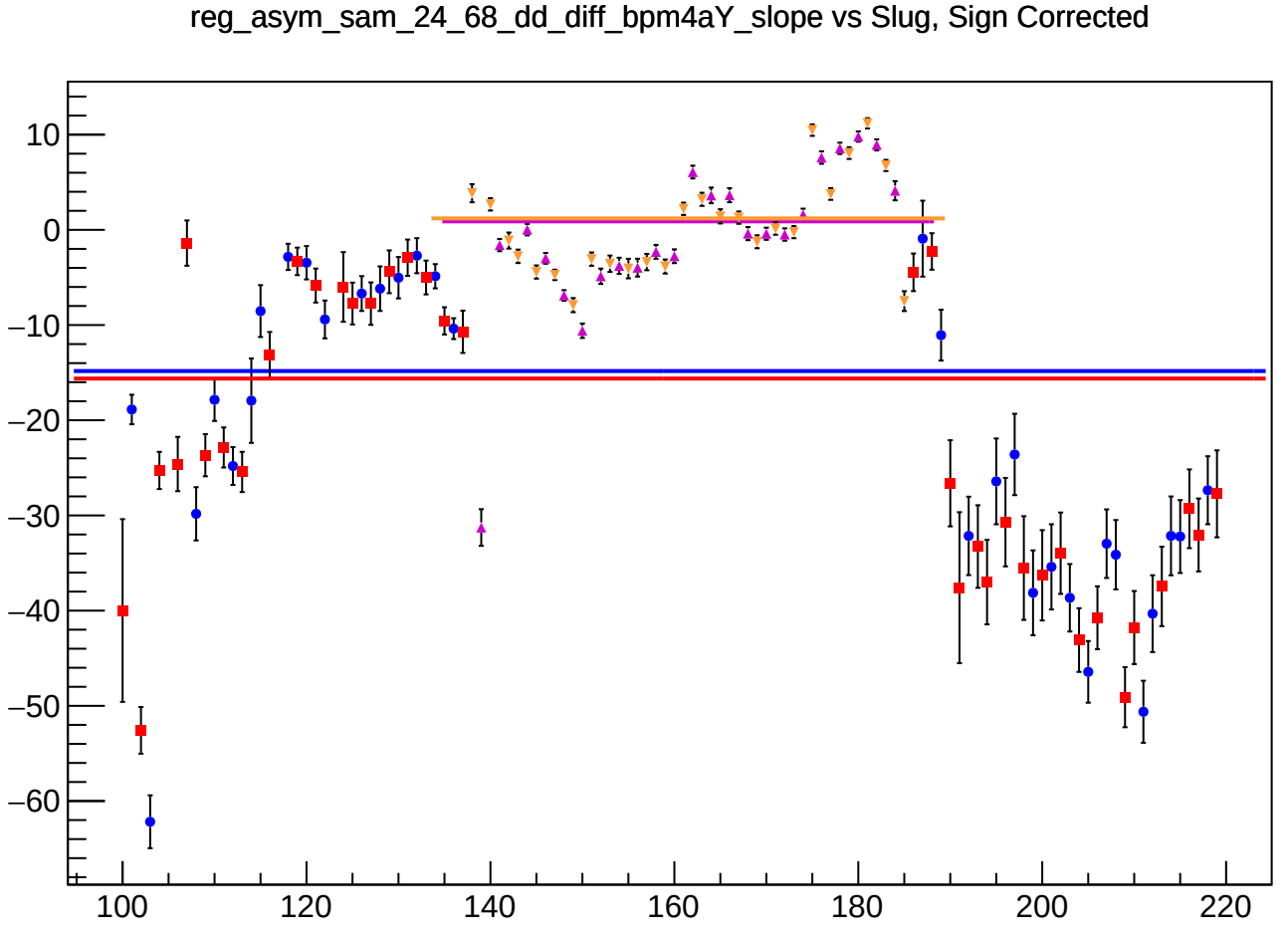
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -22.879+/-0.246 χ^2/NDF: 1686.5/68

In: -38.014+/-0.161 χ^2/NDF:5948.1/54

Out: -38.148+/-0.156 χ^2/NDF:8498.1/61

All: -38.083+/-0.112 χ^2/NDF: 14446.6/116



Right In: -14.831+/-0.408 χ^2/NDF: 1155.4/31

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -15.622+/-0.416 χ^2/NDF: 1156.5/36

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

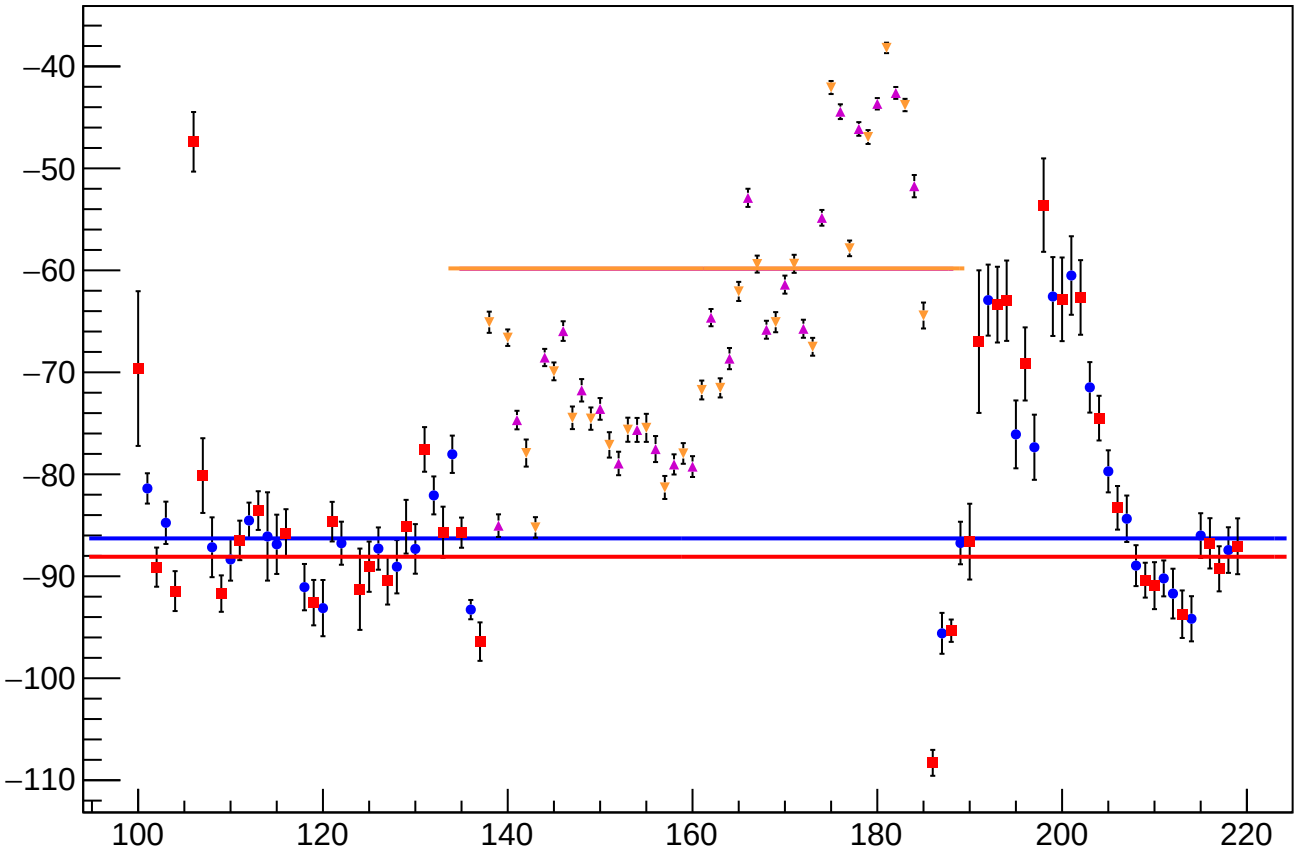
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -15.218+/-0.291 χ^2/NDF: 2313.8/68

In: -0.833+/-0.135 χ^2/NDF:4244.1/54

Out: -0.468+/-0.131 χ^2/NDF:4093.4/61

All: -0.645+/-0.094 χ^2/NDF: 8341.2/116



Right In: -86.286+/-0.374 χ^2/NDF: 343.1/31

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -88.086+/-0.365 χ^2/NDF: 890.6/36

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

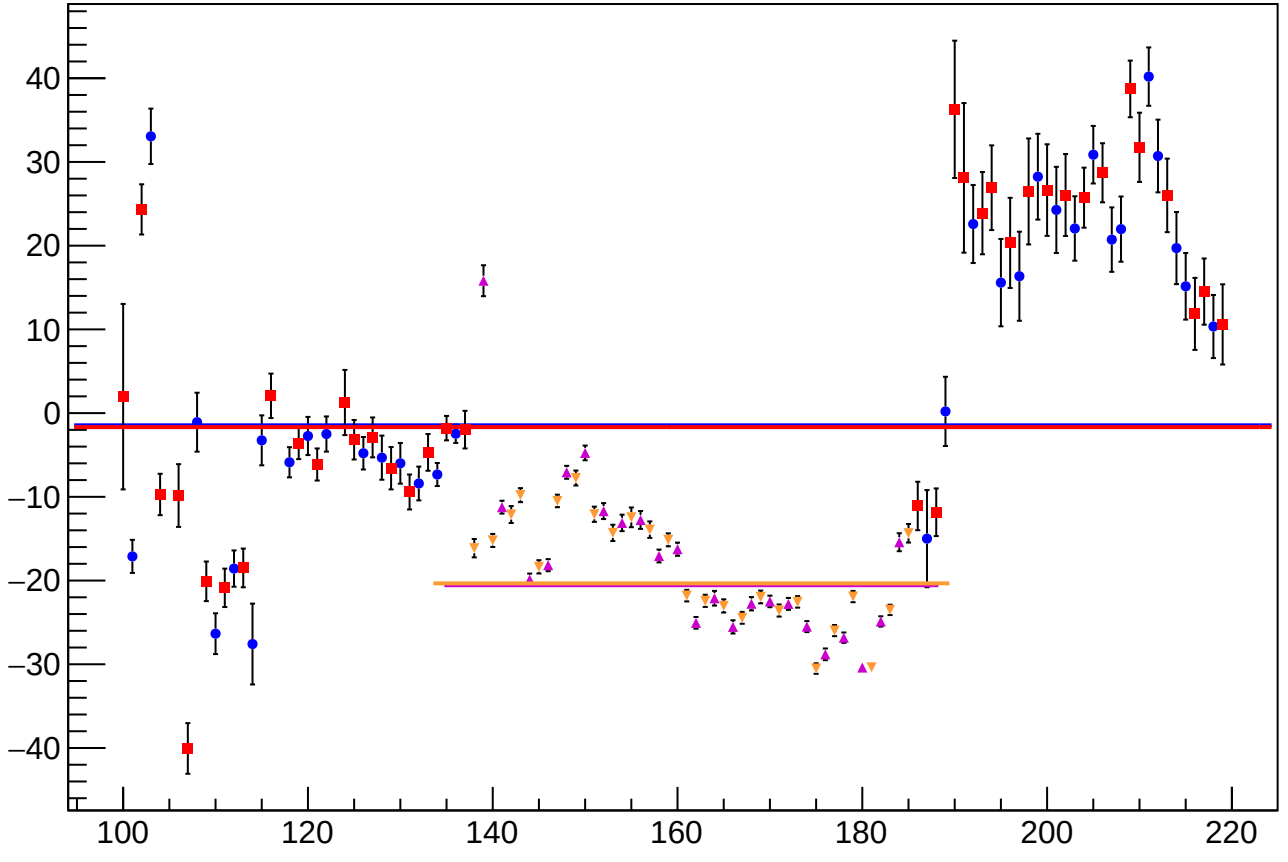
Right: -87.207+/-0.261 χ^2/NDF: 1245.5/68

In: -64.870+/-0.163 χ^2/NDF:9928.7/54

Out: -65.102+/-0.158 χ^2/NDF:12405.4/61

All: -64.989+/-0.113 χ^2/NDF: 22335.2/116

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.459+/-0.458 χ^2/NDF: 970.8/31

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -1.673+/-0.476 χ^2/NDF: 1087.7/36

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

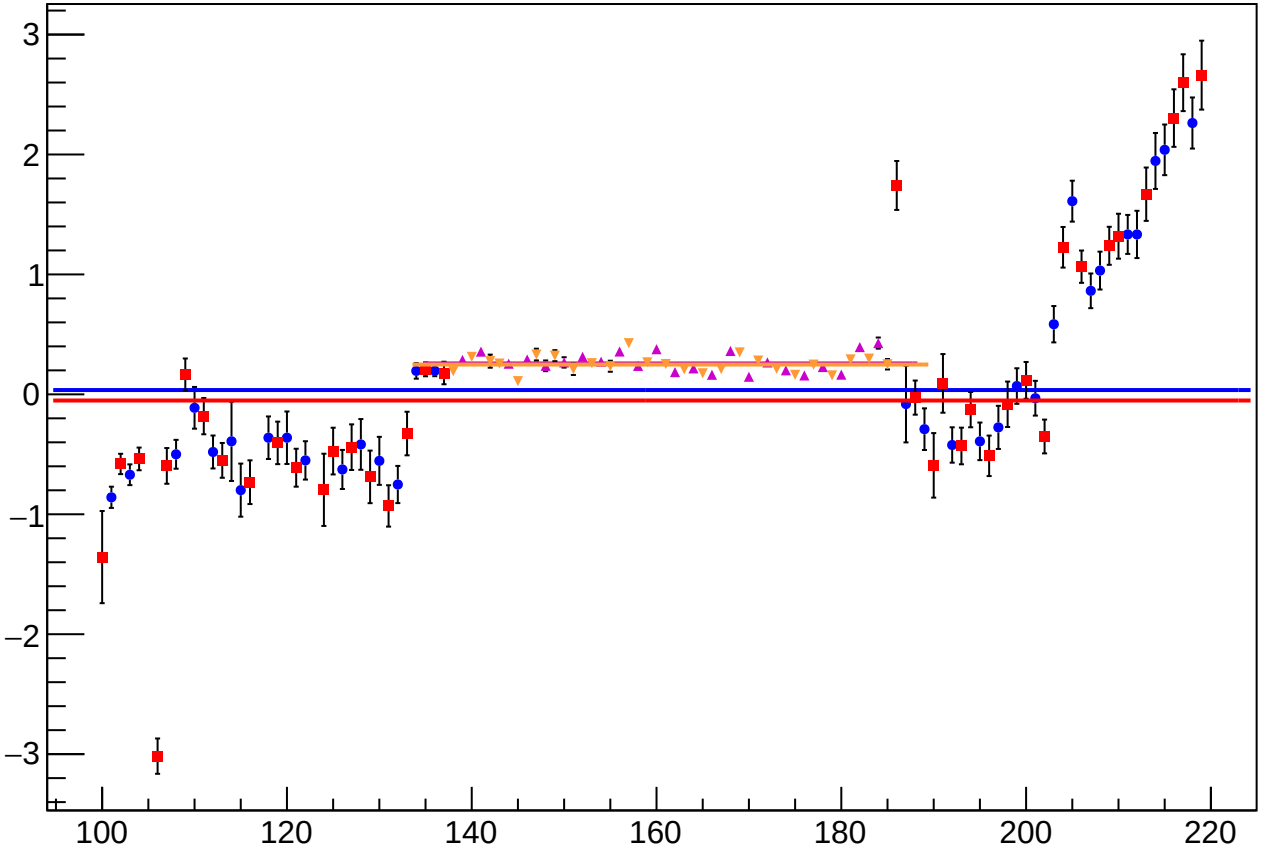
Right: -1.561+/-0.330 χ^2/NDF: 2058.6/68

In: -18.487+/-0.151 χ^2/NDF:4715.0/54

Out: -18.559+/-0.147 χ^2/NDF:4179.0/61

All: -18.524+/-0.105 χ^2/NDF: 8894.1/116

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.036+/-0.023 χ^2/NDF: 883.2/31

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.051+/-0.024 χ^2/NDF: 1336.9/36

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

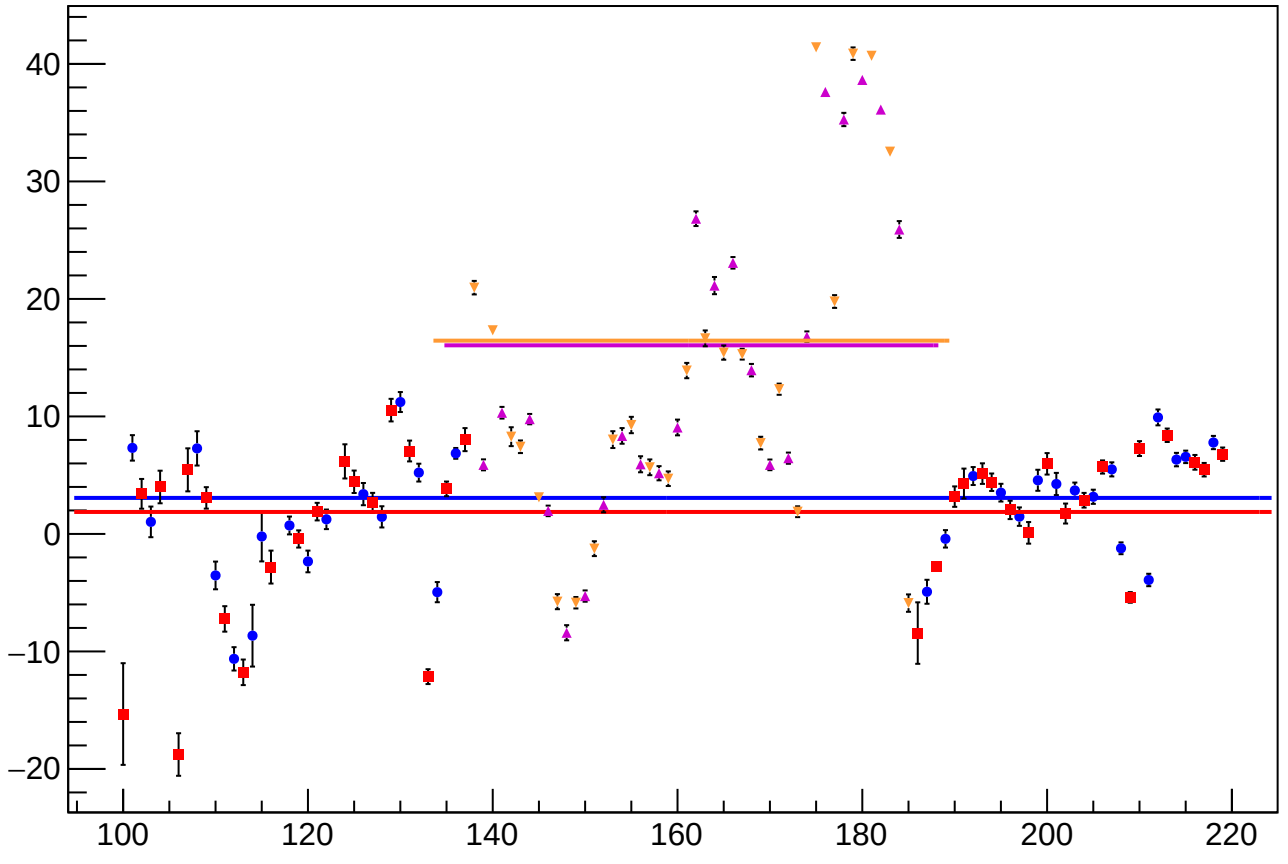
Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

Right: -0.005+/-0.016 χ^2/NDF: 2227.1/68

In: 0.238+/-0.007 χ^2/NDF:1104.5/54

Out: 0.225+/-0.007 χ^2/NDF:1574.4/61

All: 0.231+/-0.005 χ^2/NDF: 2680.6/116



Right In: 3.066+/-0.132 χ^2/NDF: 1188.0/31

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 1.870+/-0.126 χ^2/NDF: 1967.3/36

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

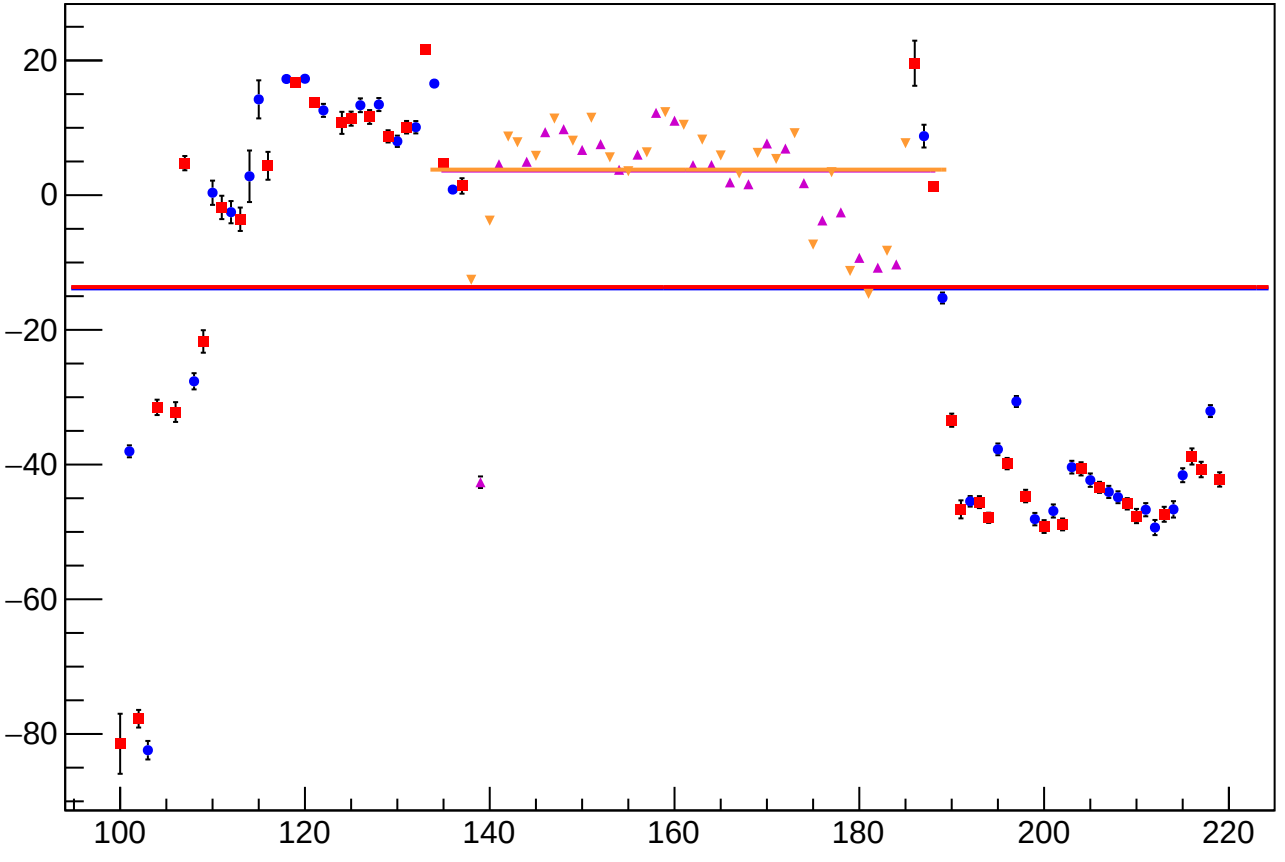
Right: 2.441+/-0.091 χ^2/NDF: 3198.2/68

In: 10.891+/-0.083 χ^2/NDF:24639.7/54

Out: 10.553+/-0.080 χ^2/NDF:31313.2/61

All: 10.716+/-0.058 χ^2/NDF: 55961.5/116

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -13.842+/-0.157 χ^2/NDF: 31117.1/31

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -13.642+/-0.151 χ^2/NDF: 36006.9/36

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

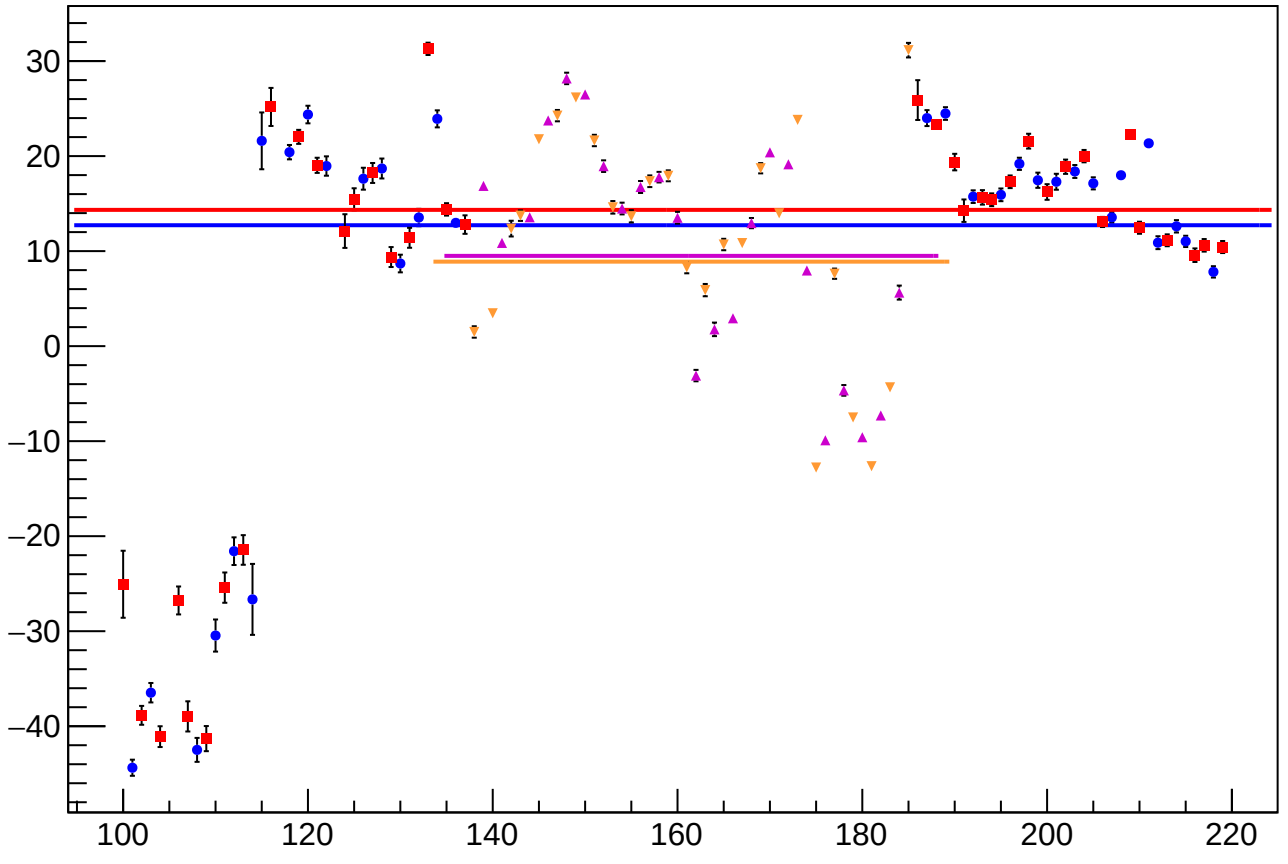
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -13.738+/-0.109 χ^2/NDF: 67124.8/68

In: -0.171+/-0.073 χ^2/NDF:49134.2/54

Out: -0.039+/-0.071 χ^2/NDF:55513.5/61

All: -0.102+/-0.051 χ^2/NDF: 104649.4/116



Right In: 12.725+/-0.133 χ^2/NDF: 11891.7/31

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 14.341+/-0.125 χ^2/NDF: 12912.7/36

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

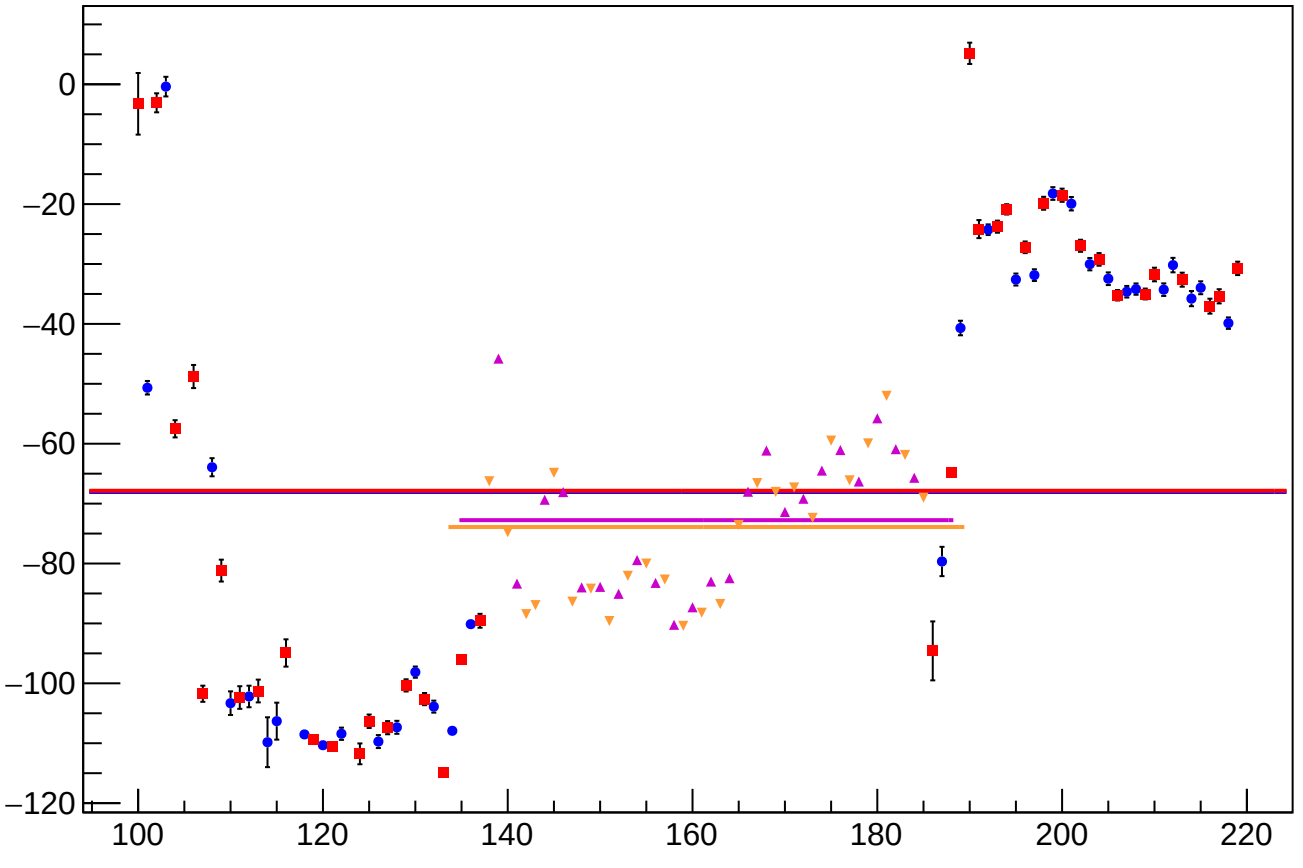
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 13.580+/-0.091 χ^2/NDF: 24882.9/68

In: 10.764+/-0.083 χ^2/NDF:25291.8/54

Out: 11.112+/-0.080 χ^2/NDF:29465.0/61

All: 10.944+/-0.058 χ^2/NDF: 54765.9/116



Right In: -68.053+/-0.179 χ^2/NDF: 41191.2/31

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -67.856+/-0.175 χ^2/NDF: 48612.2/36

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

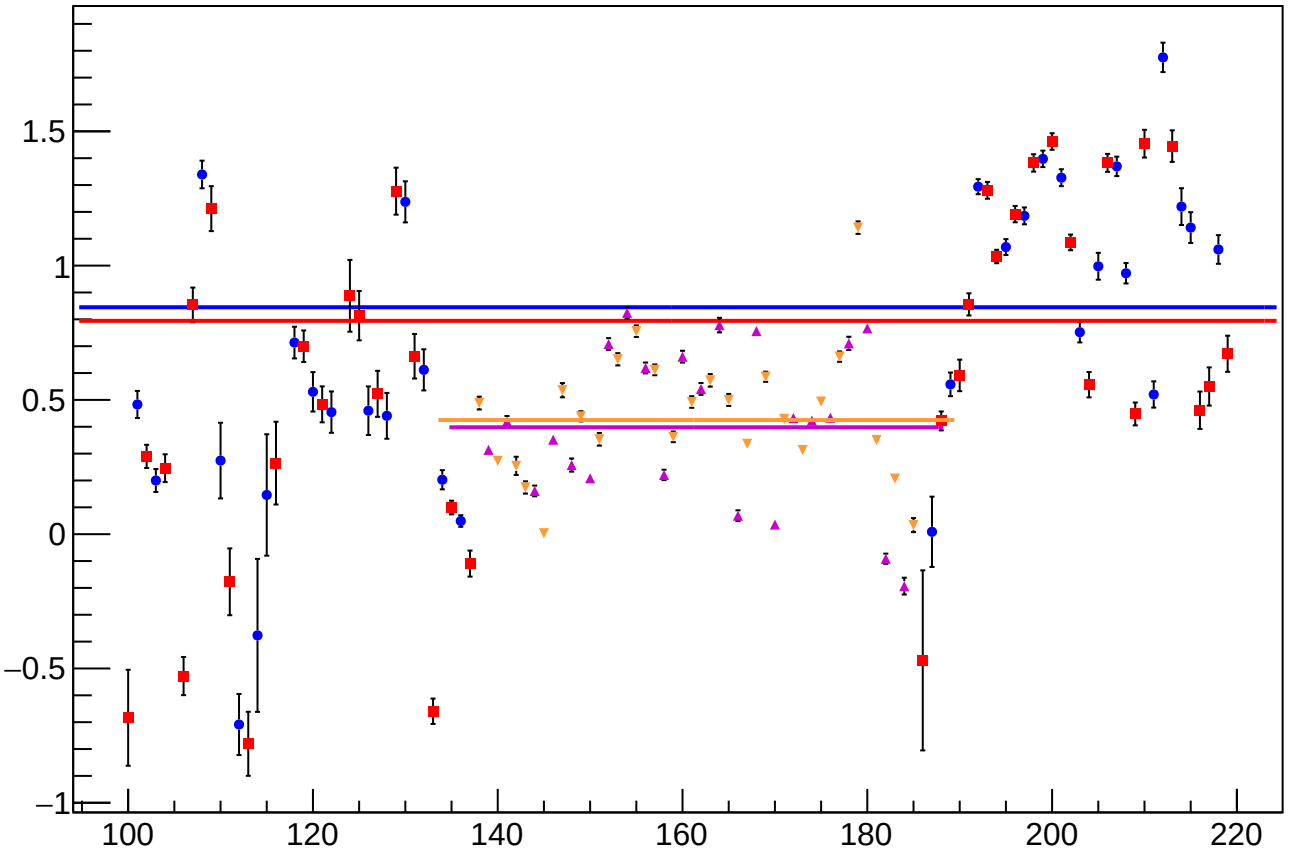
Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

Right: -67.952+/-0.125 χ^2/NDF: 89804.1/68

In: -71.758+/-0.083 χ^2/NDF:54347.2/54

Out: -72.629+/-0.080 χ^2/NDF:65124.4/61

All: -72.206+/-0.058 χ^2/NDF: 119528.5/116



Right In: 0.845+/-0.008 χ^2/NDF: 4135.5/31

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.794+/-0.008 χ^2/NDF: 5314.9/36

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

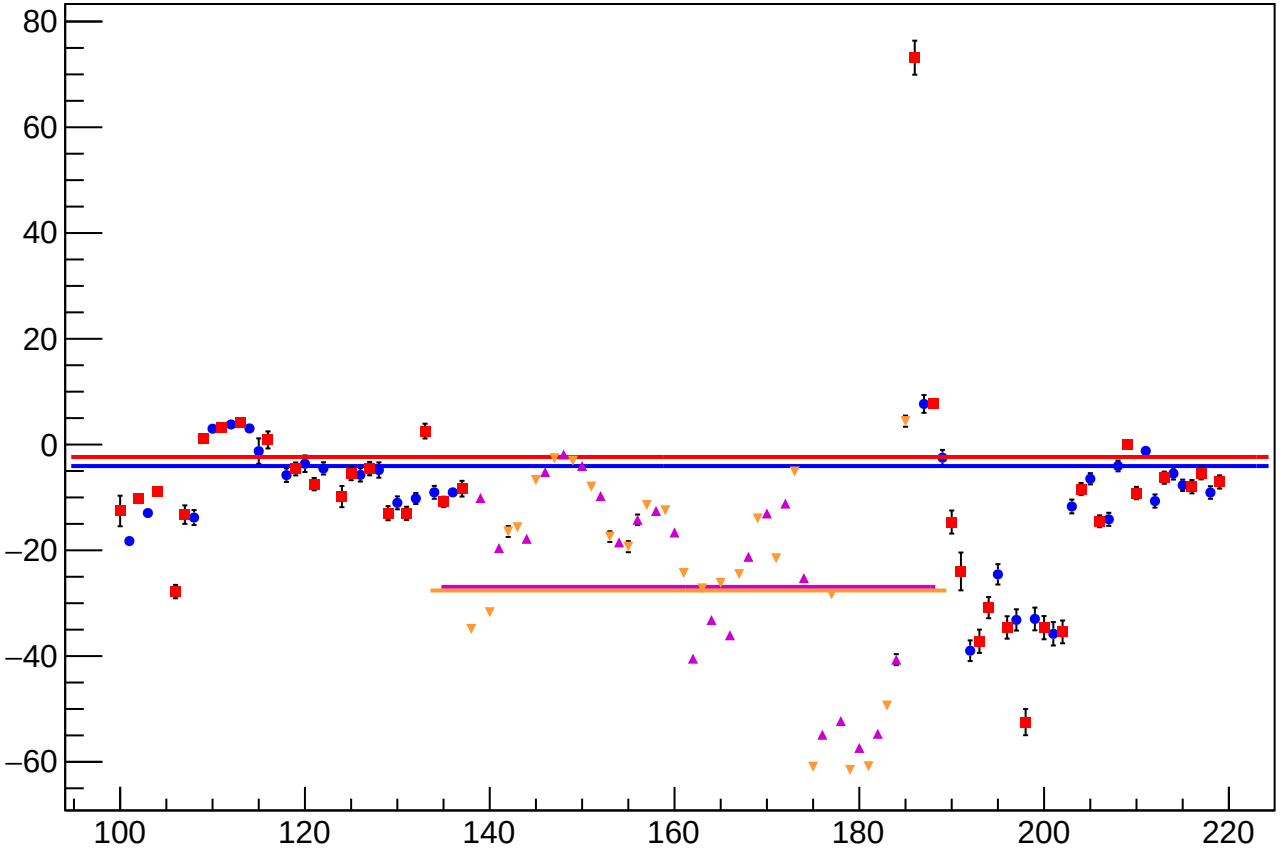
Right: 0.819+/-0.006 χ^2/NDF: 9471.3/68

In: 0.493+/-0.004 χ^2/NDF:10904.8/54

Out: 0.506+/-0.004 χ^2/NDF:10161.6/61

All: 0.499+/-0.003 χ^2/NDF: 21072.3/116

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.065+/-0.166 χ^2/NDF: 2841.8/31

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -2.348+/-0.150 χ^2/NDF: 4120.2/36

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

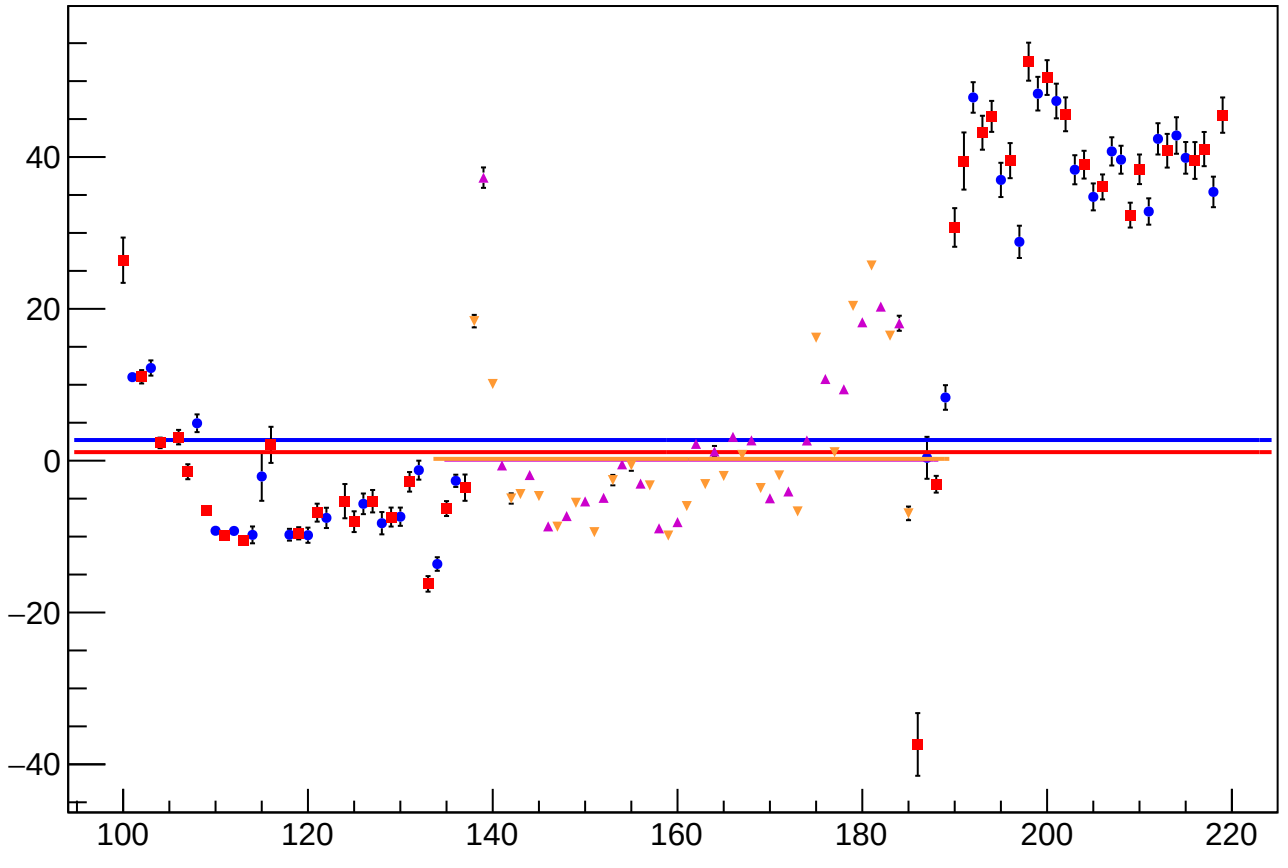
Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

Right: -3.124+/-0.111 χ^2/NDF: 7020.9/68

In: -16.690+/-0.111 χ^2/NDF:28877.1/54

Out: -15.497+/-0.104 χ^2/NDF:38546.6/61

All: -16.056+/-0.076 χ^2/NDF: 67485.1/116



Right In: 2.720+/-0.206 χ^2/NDF: 6988.0/31

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: 1.127+/-0.199 χ^2/NDF: 7381.2/36

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

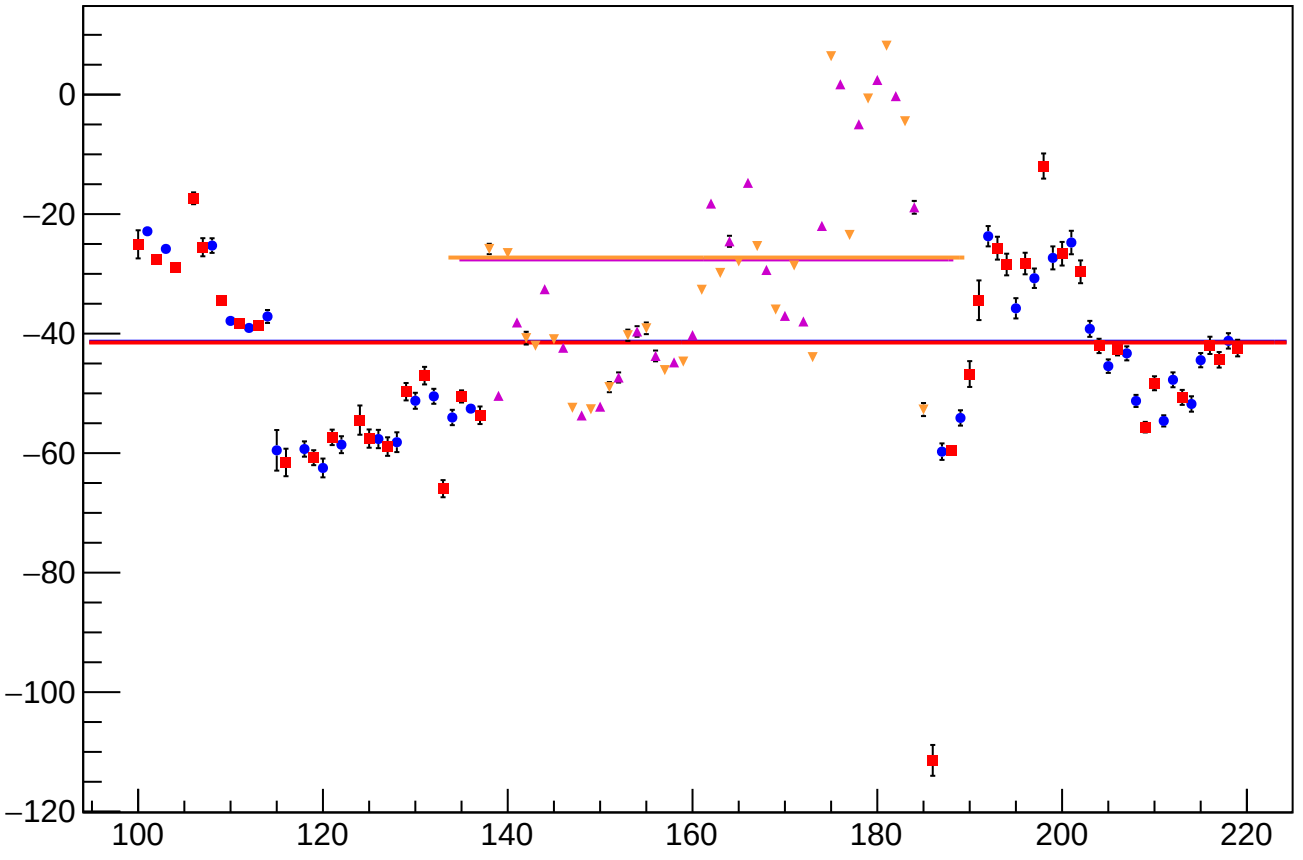
Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

Right: 1.897+/-0.143 χ^2/NDF: 14400.1/68

In: 0.743+/-0.100 χ^2/NDF:12946.2/54

Out: 0.447+/-0.096 χ^2/NDF:15432.0/61

All: 0.590+/-0.069 χ^2/NDF: 28382.8/116



Right In: -41.354+/-0.185 χ^2/NDF: 4004.9/31

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -41.489+/-0.175 χ^2/NDF: 5358.5/36

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

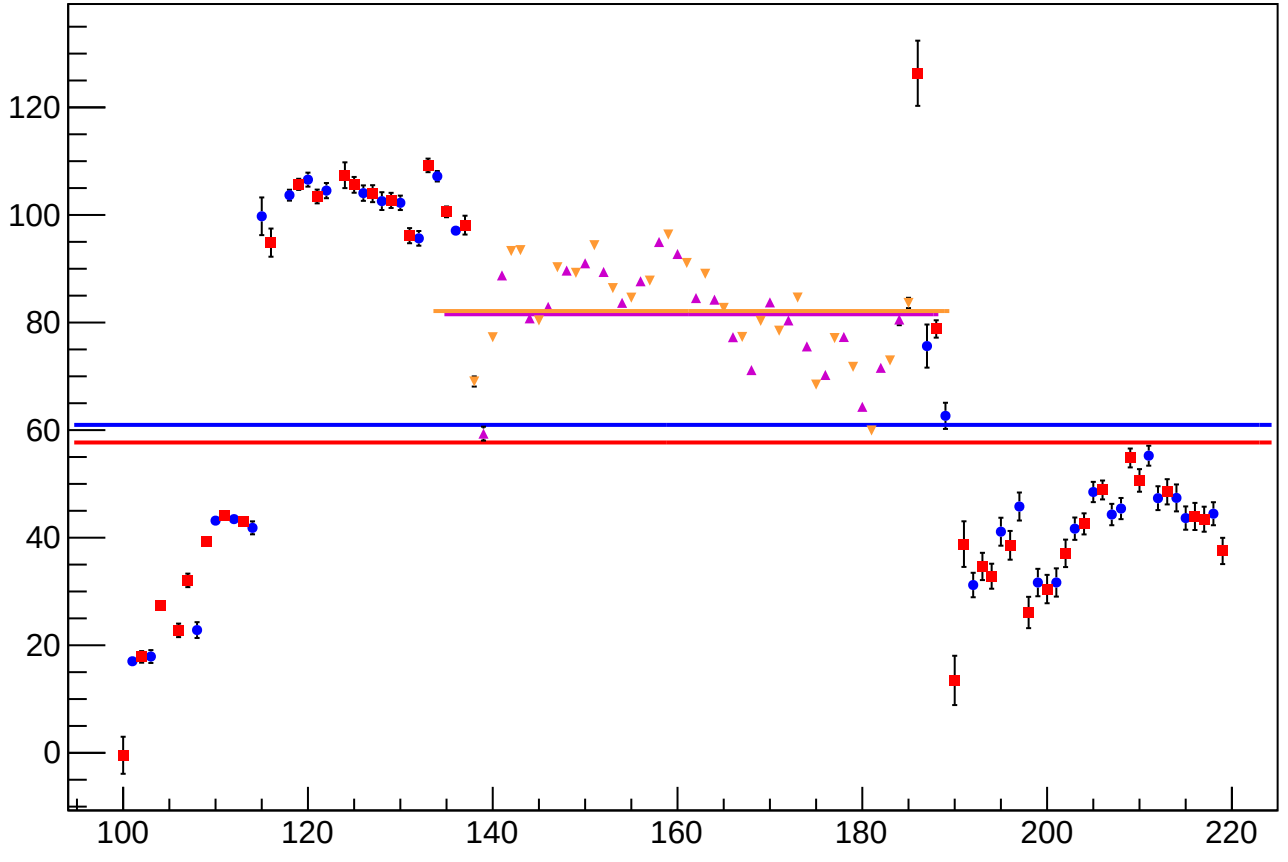
Right: -41.425+/-0.127 χ^2/NDF: 9363.7/68

In: -32.956+/-0.116 χ^2/NDF:23022.4/54

Out: -33.002+/-0.111 χ^2/NDF:27820.8/61

All: -32.980+/-0.080 χ^2/NDF: 50843.3/116

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 60.972+/-0.234 χ^2/NDF: 19750.5/31

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 57.700+/-0.227 χ^2/NDF: 18702.6/36

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

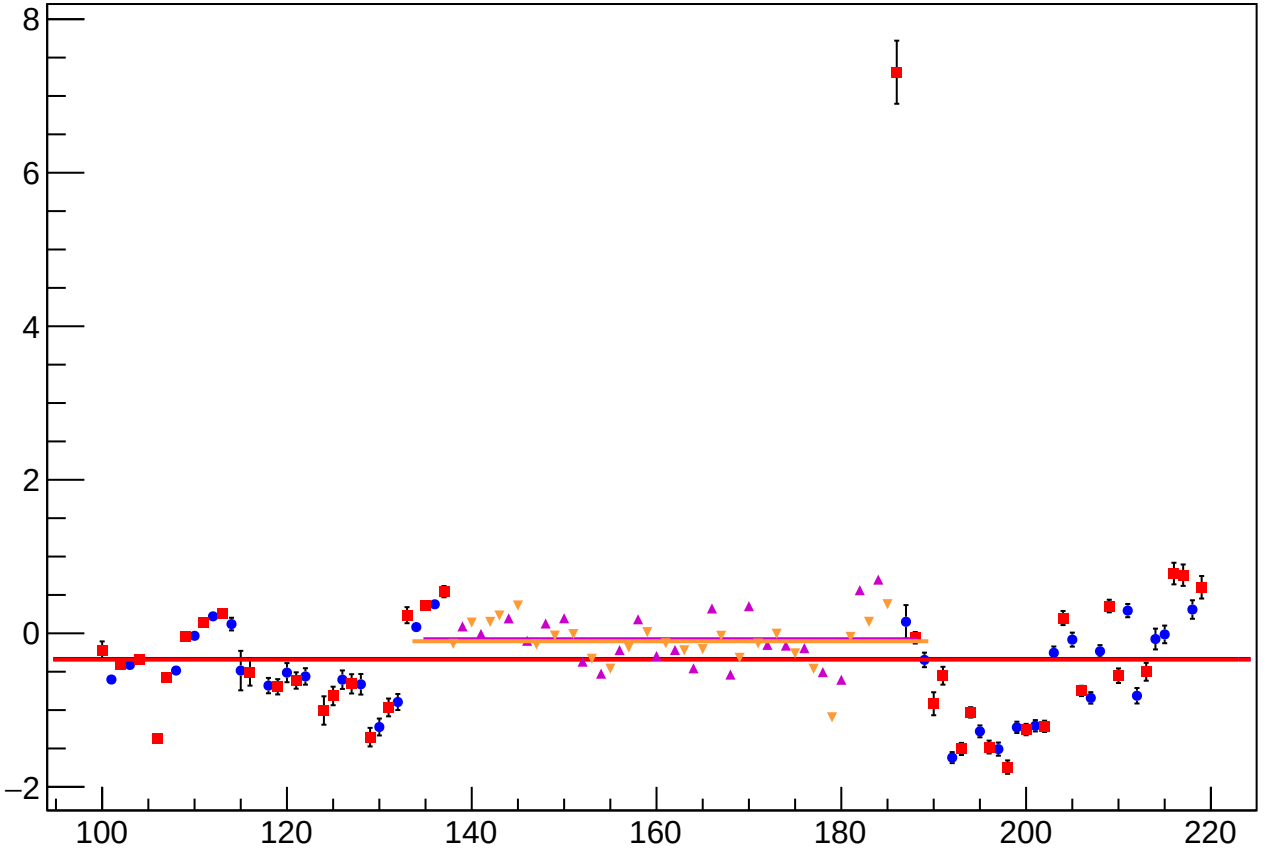
Right: 59.284+/-0.163 χ^2/NDF: 38553.7/68

In: 76.759+/-0.113 χ^2/NDF:29705.6/54

Out: 76.467+/-0.109 χ^2/NDF:32974.8/61

All: 76.608+/-0.079 χ^2/NDF: 62683.8/116

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.334+/-0.011 χ^2/NDF: 2147.1/31

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.343+/-0.011 χ^2/NDF: 3215.1/36

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

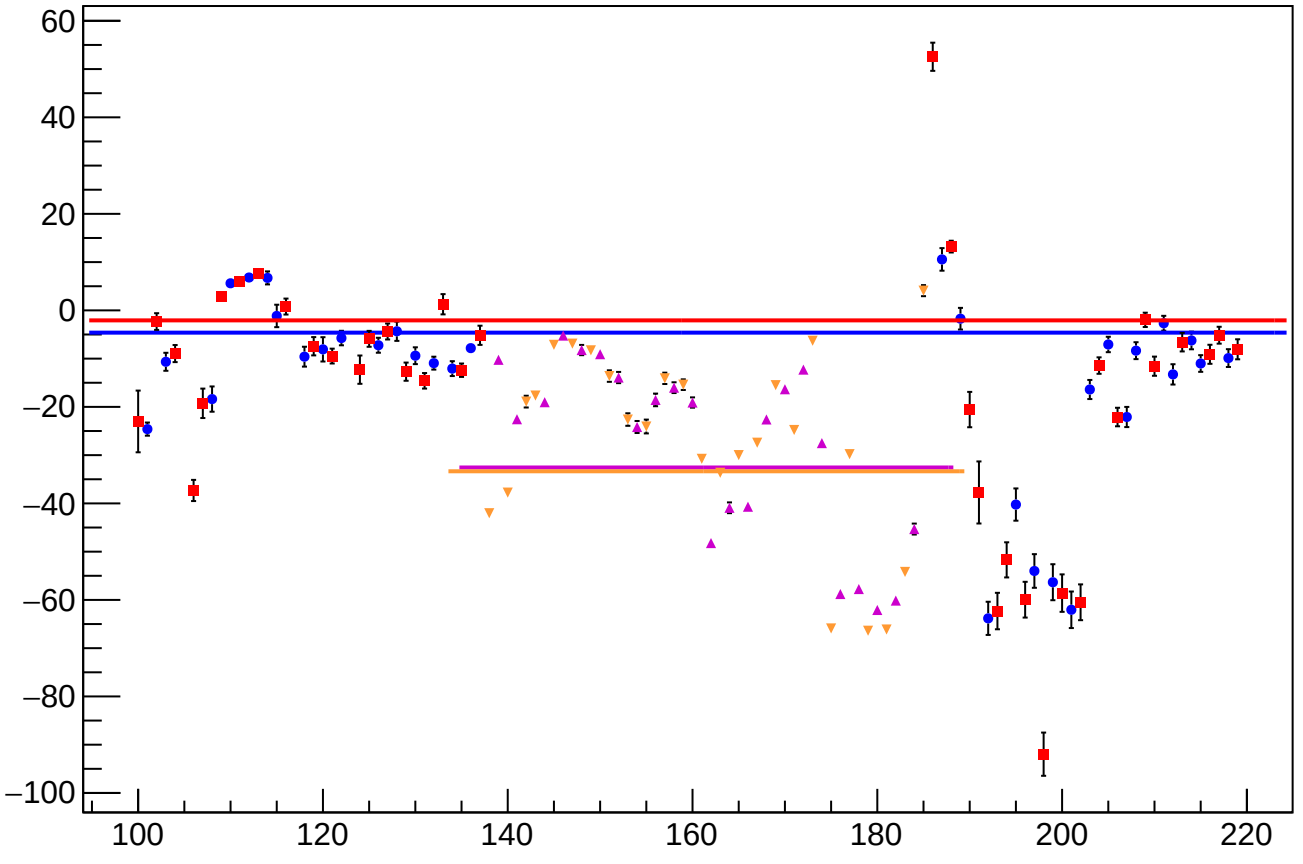
Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

Right: -0.339+/-0.008 χ^2/NDF: 5362.5/68

In: -0.128+/-0.005 χ^2/NDF:5868.5/54

Out: -0.152+/-0.005 χ^2/NDF:5995.3/61

All: -0.140+/-0.004 χ^2/NDF: 11874.8/116



Right In: -4.616+/-0.266 χ^2/NDF: 2223.1/31

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -2.074+/-0.248 χ^2/NDF: 3290.1/36

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

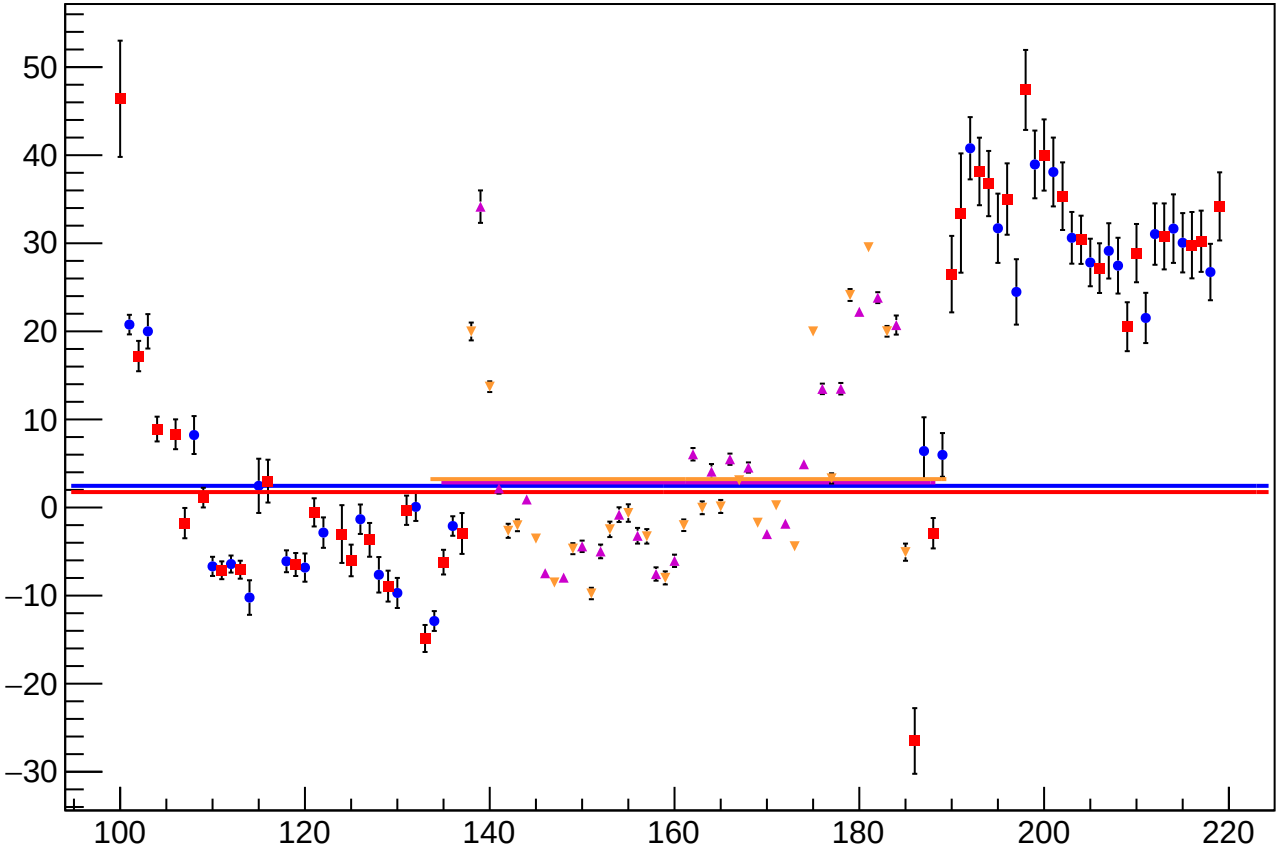
Right: -3.253+/-0.181 χ^2/NDF: 5562.0/68

In: -24.511+/-0.143 χ^2/NDF:23953.6/54

Out: -23.770+/-0.137 χ^2/NDF:32332.2/61

All: -24.125+/-0.099 χ^2/NDF: 56299.8/116

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.461+/-0.327 χ^2/NDF: 1924.2/31

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: 1.753+/-0.323 χ^2/NDF: 1776.6/36

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

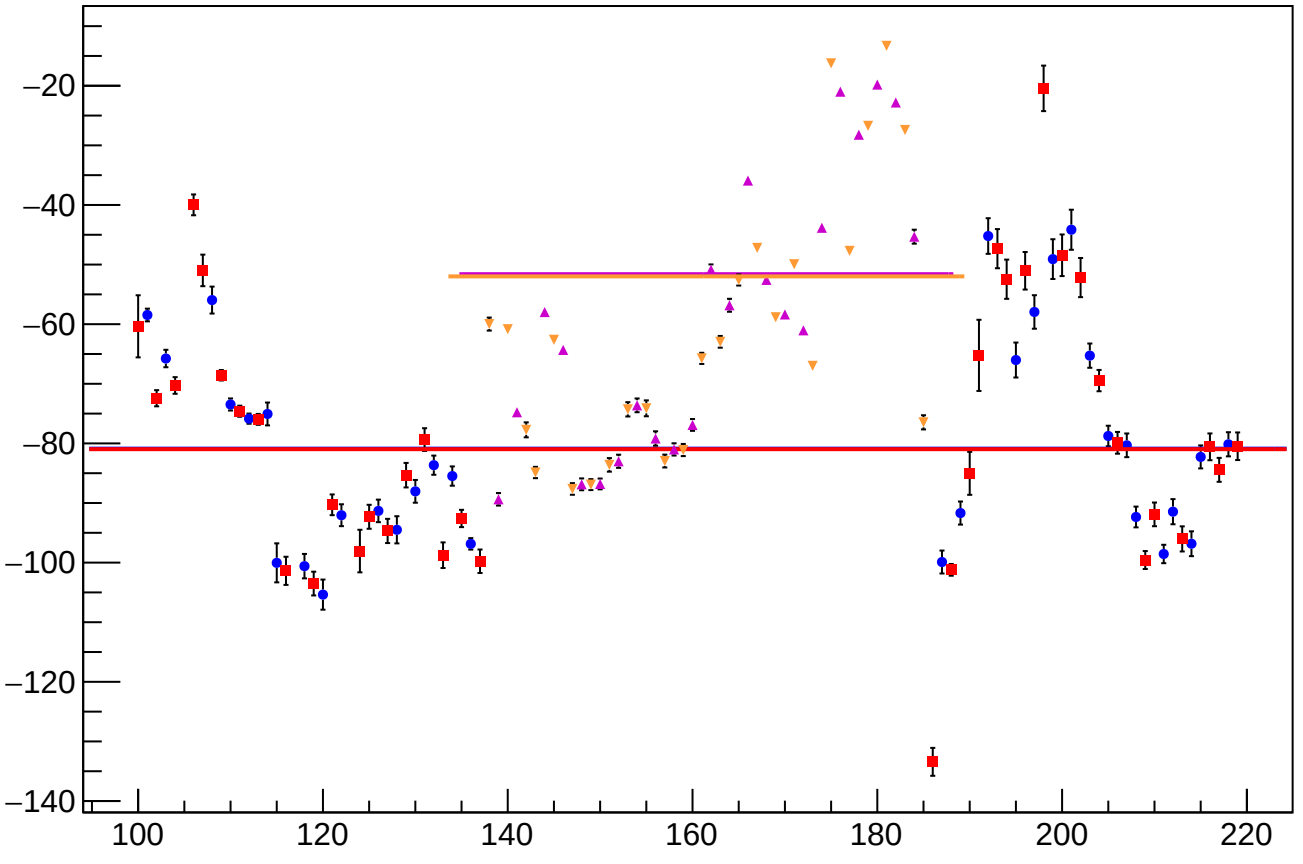
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: 2.104+/-0.230 χ^2/NDF: 3703.2/68

In: 2.792+/-0.122 χ^2/NDF:7380.9/54

Out: 3.025+/-0.119 χ^2/NDF:9470.1/61

All: 2.911+/-0.085 χ^2/NDF: 16852.8/116



Right In: -80.882+/-0.299 χ^2/NDF: 2285.8/31

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.969+/-0.288 χ^2/NDF: 3527.0/36

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

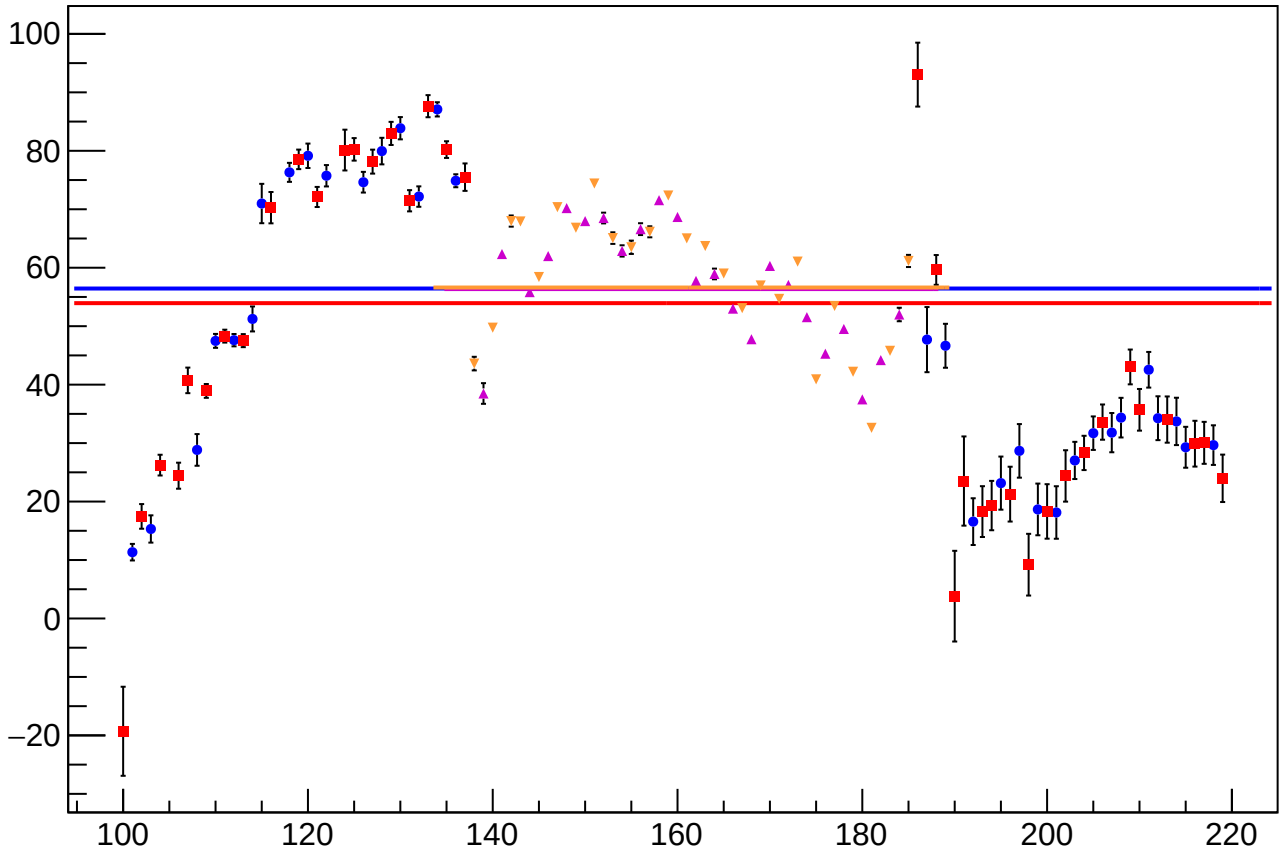
Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

Right: -80.927+/-0.208 χ^2/NDF: 5812.8/68

In: -58.688+/-0.147 χ^2/NDF:27155.3/54

Out: -59.117+/-0.143 χ^2/NDF:32028.1/61

All: -58.908+/-0.103 χ^2/NDF: 59187.8/116



Right In: 56.442+/-0.368 χ^2/NDF: 4178.2/31

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 53.940+/-0.367 χ^2/NDF: 3661.1/36

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

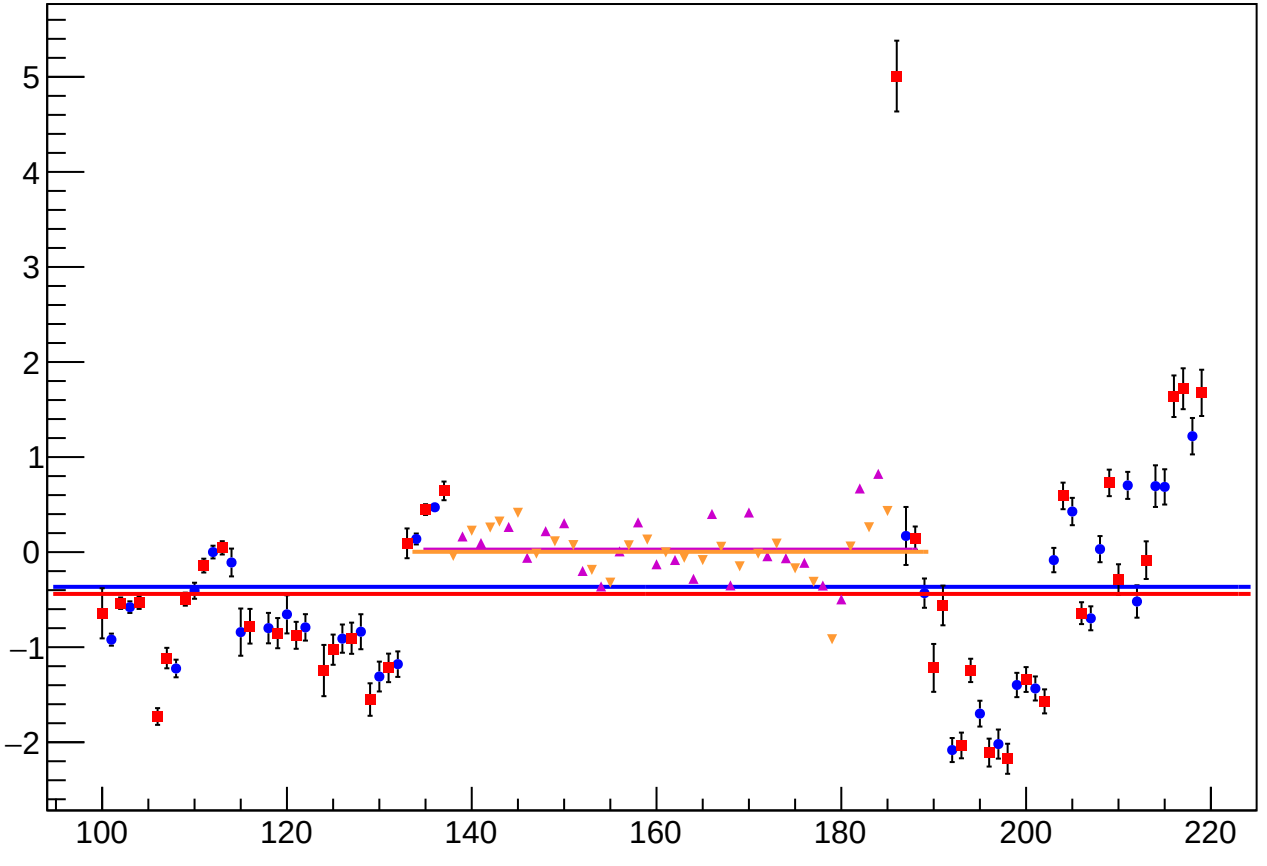
Right: 55.187+/-0.260 χ^2/NDF: 7862.5/68

In: 56.361+/-0.137 χ^2/NDF:8146.9/54

Out: 56.256+/-0.134 χ^2/NDF:9373.3/61

All: 56.307+/-0.096 χ^2/NDF: 17520.6/116

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.365+/-0.019 χ^2/NDF: 1511.8/31

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.440+/-0.019 χ^2/NDF: 2028.8/36

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

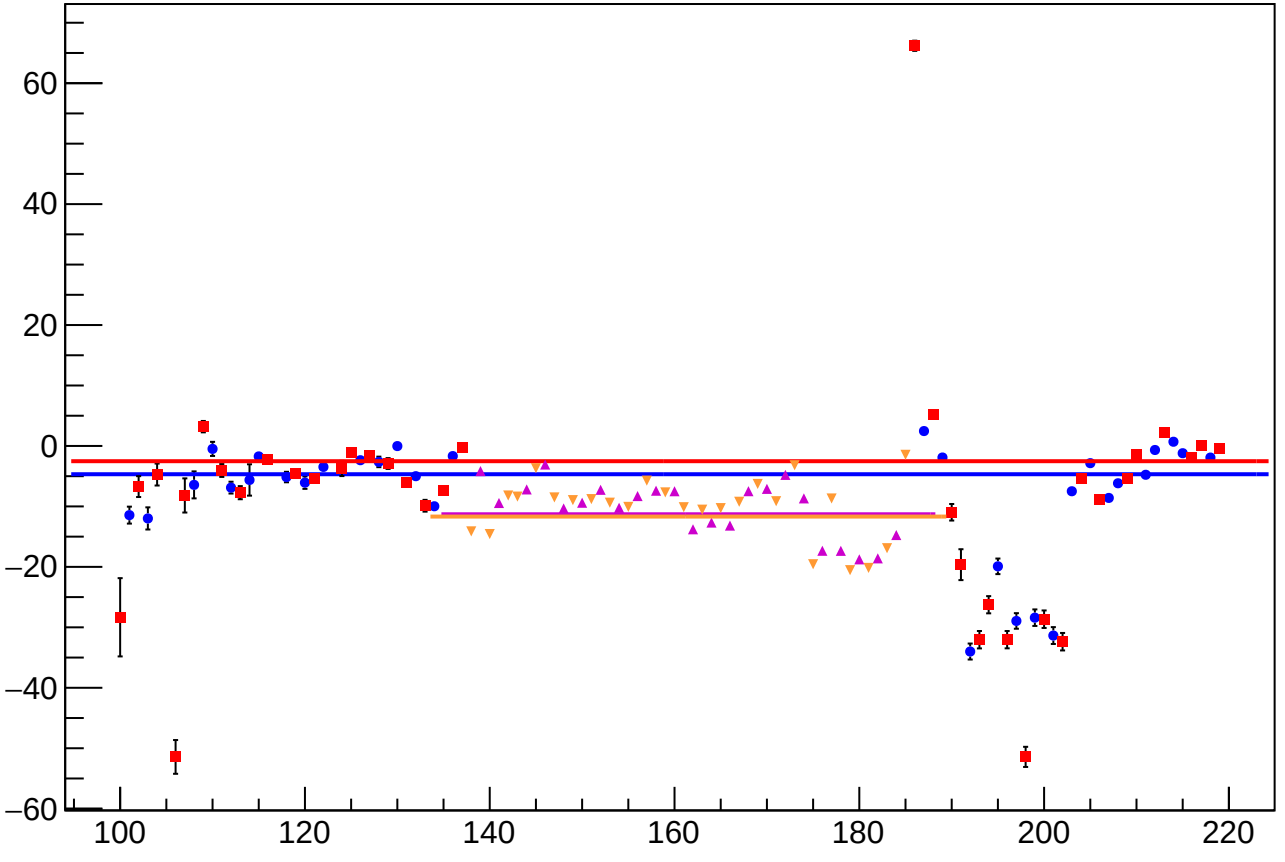
Right: -0.402+/-0.013 χ^2/NDF: 3548.5/68

In: -0.017+/-0.006 χ^2/NDF:4250.6/54

Out: -0.043+/-0.006 χ^2/NDF:4226.7/61

All: -0.030+/-0.004 χ^2/NDF: 8486.4/116

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.677+/-0.137 χ^2/NDF: 2195.0/31

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.521+/-0.138 χ^2/NDF: 10596.3/36

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

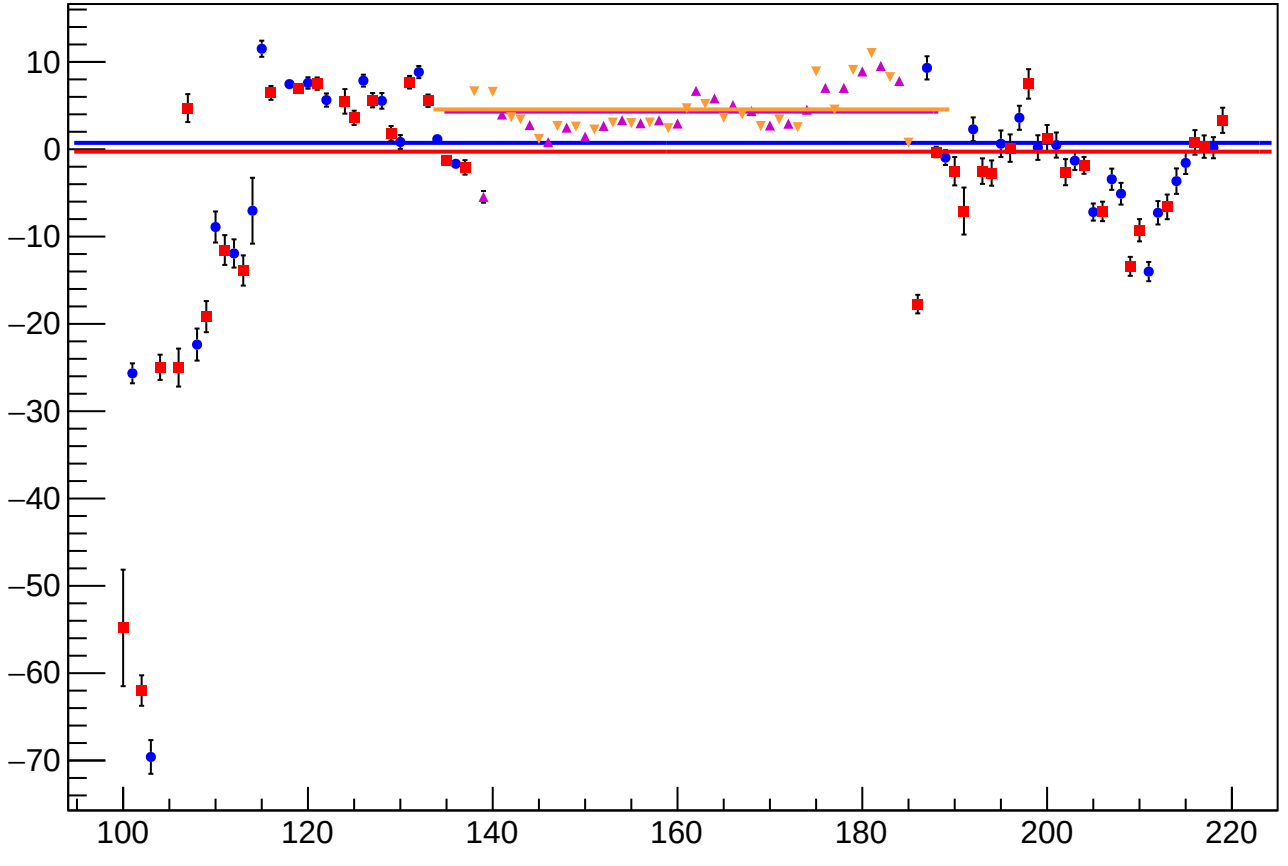
Right: -3.610+/-0.097 χ^2/NDF: 12914.6/68

In: -10.406+/-0.050 χ^2/NDF:13459.7/54

Out: -10.515+/-0.049 χ^2/NDF:27047.4/61

All: -10.462+/-0.035 χ^2/NDF: 40509.5/116

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.731+/-0.160 χ^2/NDF: 3257.9/31

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: -0.275+/-0.168 χ^2/NDF: 3206.3/36

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

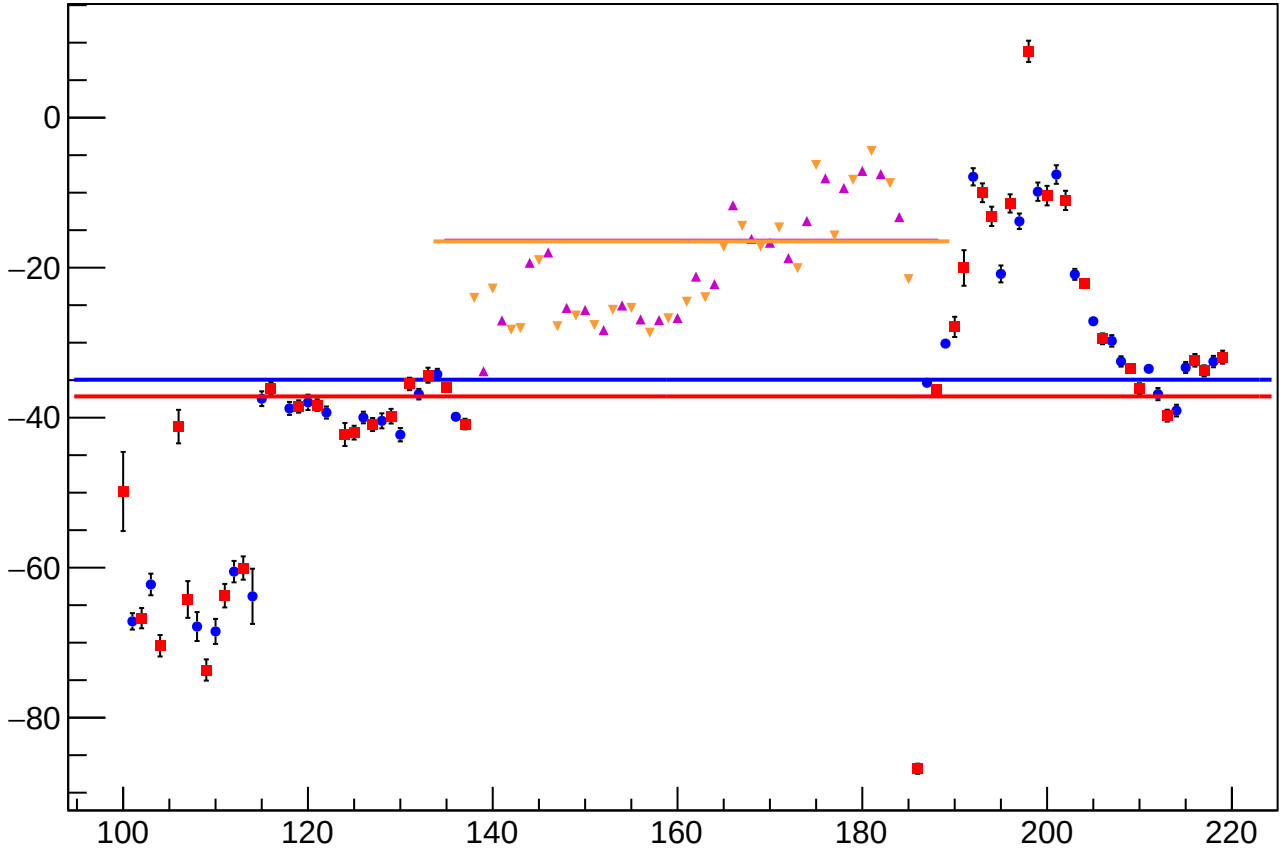
Right: 0.252+/-0.116 χ^2/NDF: 6482.9/68

In: 4.078+/-0.041 χ^2/NDF:7331.7/54

Out: 4.288+/-0.040 χ^2/NDF:8341.6/61

All: 4.184+/-0.029 χ^2/NDF: 15686.9/116

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.938+/-0.142 χ^2/NDF: 5438.4/31

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -37.165+/-0.142 χ^2/NDF: 11920.5/36

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

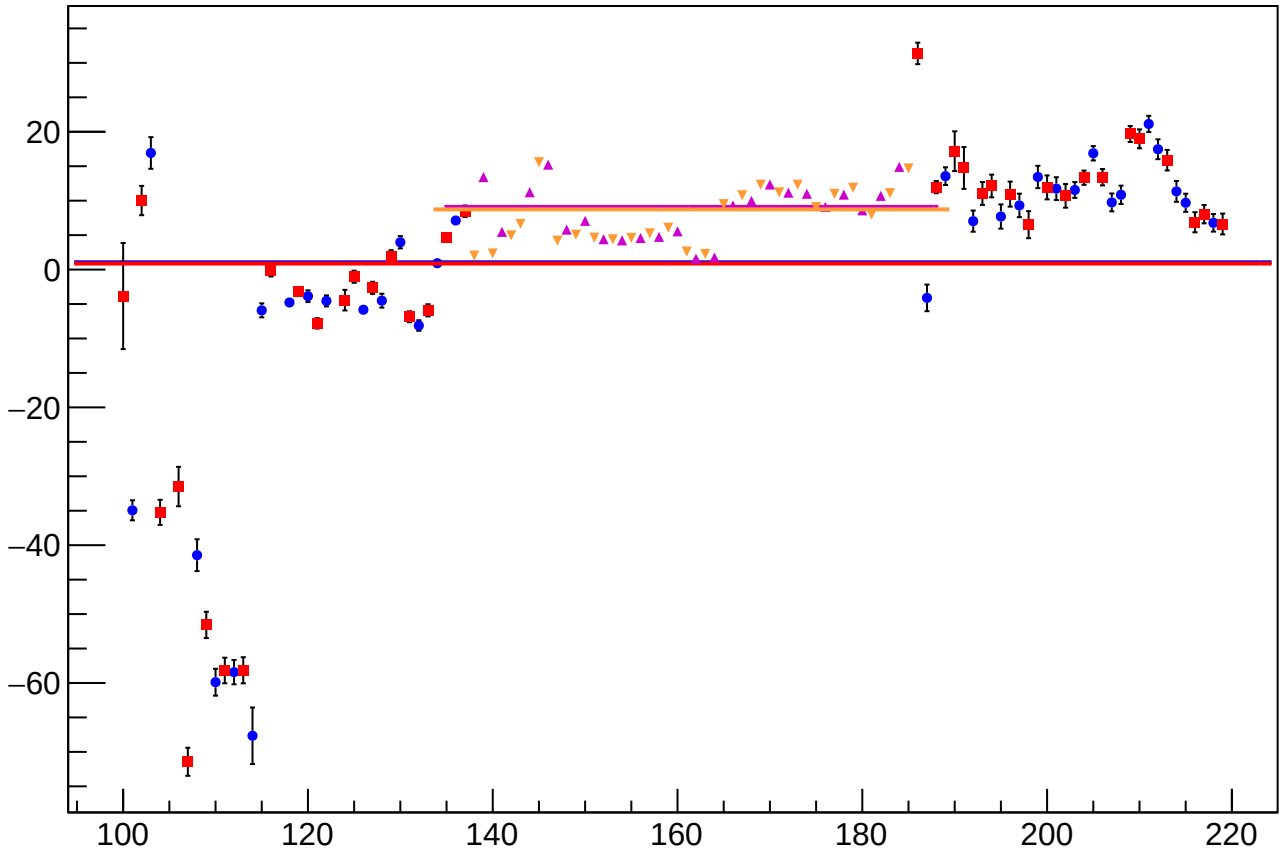
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -36.051+/-0.101 χ^2/NDF: 17481.5/68

In: -18.732+/-0.050 χ^2/NDF:38322.8/54

Out: -18.994+/-0.049 χ^2/NDF:52468.3/61

All: -18.866+/-0.035 χ^2/NDF: 90805.0/116



Right In: 1.059+/-0.179 χ^2/NDF: 5286.1/31

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: 0.877+/-0.191 χ^2/NDF: 6666.7/36

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

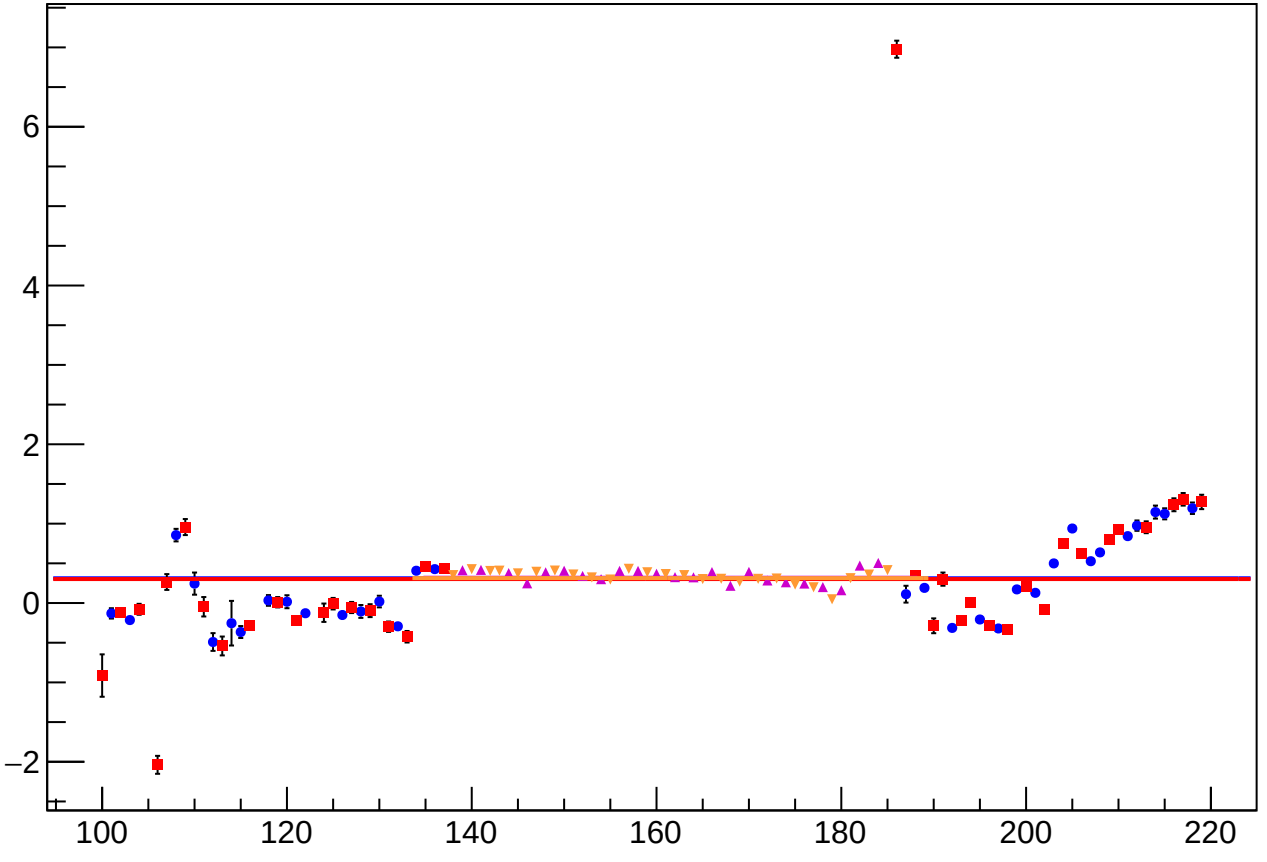
Right: 0.974+/-0.131 χ^2/NDF: 11953.3/68

In: 8.577+/-0.046 χ^2/NDF:12906.4/54

Out: 8.302+/-0.045 χ^2/NDF:15136.7/61

All: 8.437+/-0.032 χ^2/NDF: 28061.6/116

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.312+/-0.009 χ^2/NDF: 1864.3/31

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.302+/-0.010 χ^2/NDF: 6273.3/36

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

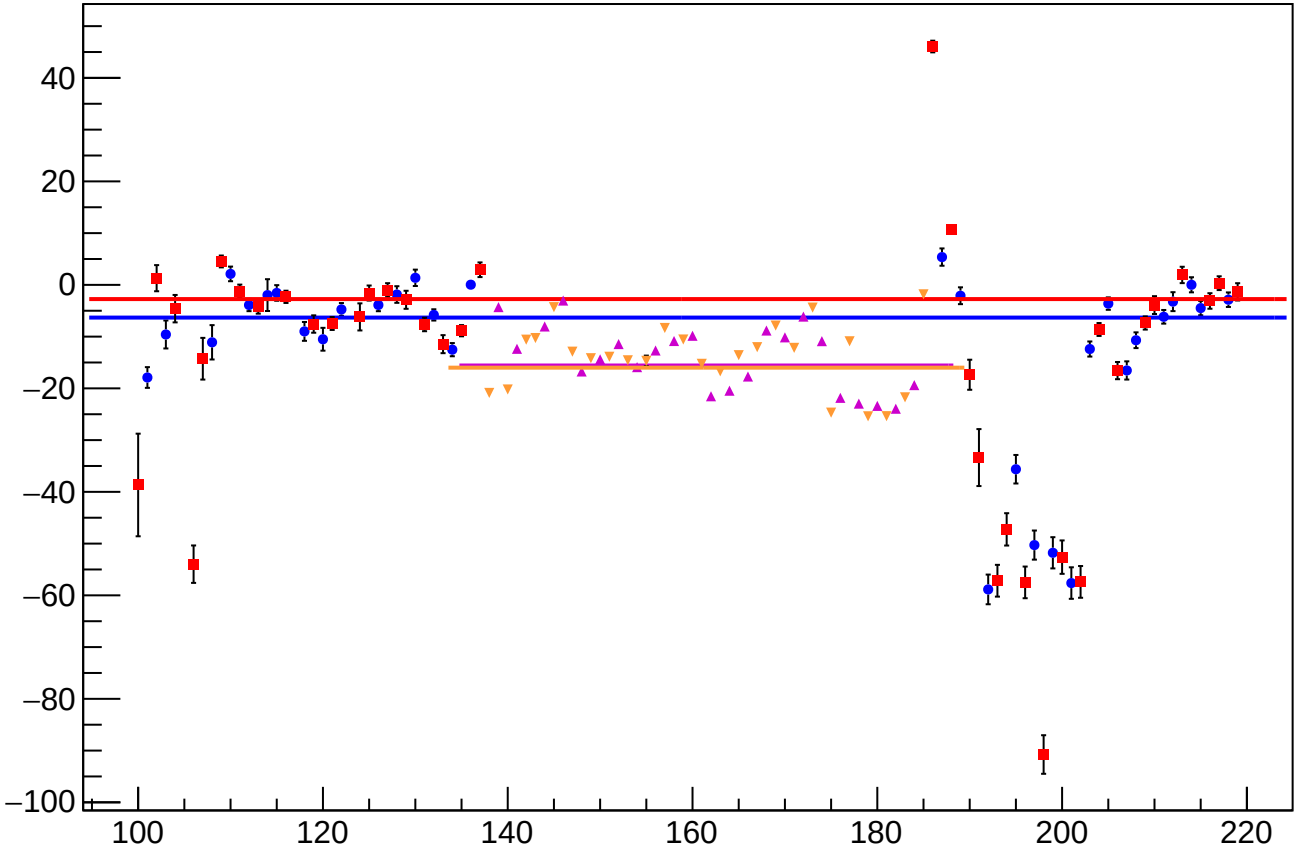
Right: 0.307+/-0.007 χ^2/NDF: 8138.1/68

In: 0.318+/-0.002 χ^2/NDF:3652.7/54

Out: 0.313+/-0.002 χ^2/NDF:7876.9/61

All: 0.316+/-0.001 χ^2/NDF: 11532.4/116

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.322+/-0.267 χ^2/NDF: 1589.8/31

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -2.746+/-0.264 χ^2/NDF: 4595.0/36

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

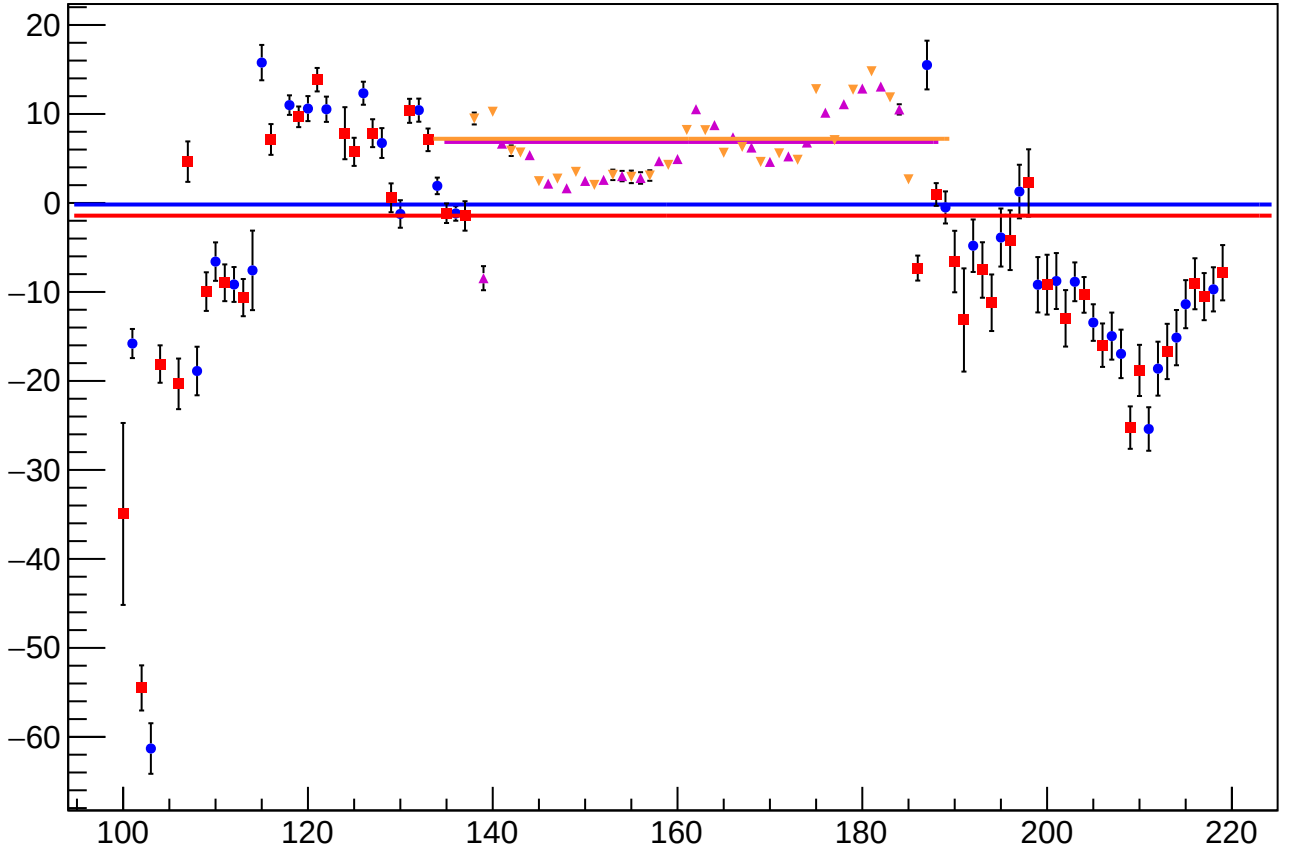
Right: -4.512+/-0.188 χ^2/NDF: 6275.2/68

In: -14.407+/-0.095 χ^2/NDF:7396.0/54

Out: -14.358+/-0.093 χ^2/NDF:12761.8/61

All: -14.382+/-0.067 χ^2/NDF: 20158.0/116

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.175+/-0.313 χ^2/NDF: 1479.6/31

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: -1.425+/-0.321 χ^2/NDF: 1349.8/36

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

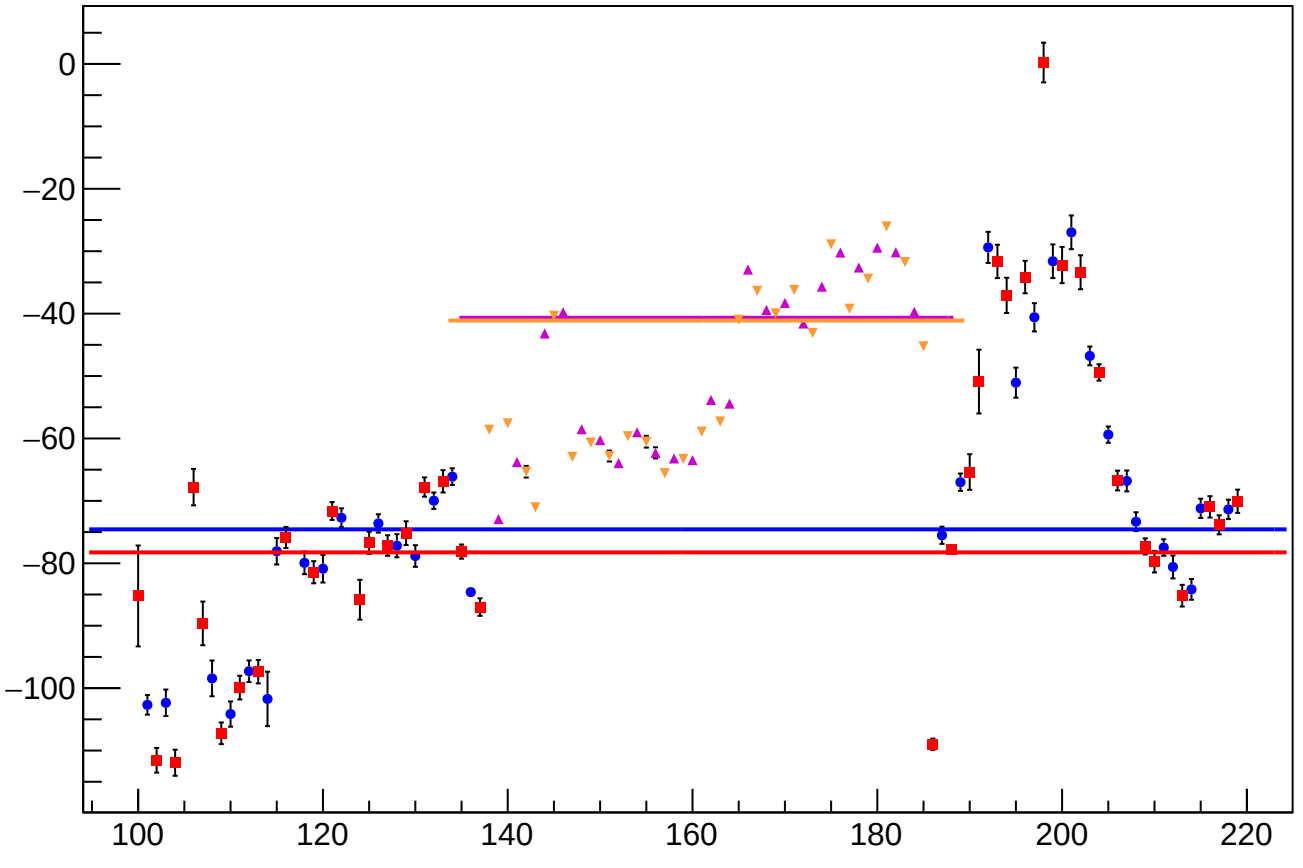
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: -0.783+/-0.224 χ^2/NDF: 2837.1/68

In: 6.413+/-0.078 χ^2/NDF:4109.6/54

Out: 6.707+/-0.078 χ^2/NDF:4485.4/61

All: 6.562+/-0.055 χ^2/NDF: 8602.1/116



Right In: -74.562+/-0.283 χ^2/NDF: 3068.7/31

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -78.251+/-0.276 χ^2/NDF: 4983.8/36

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

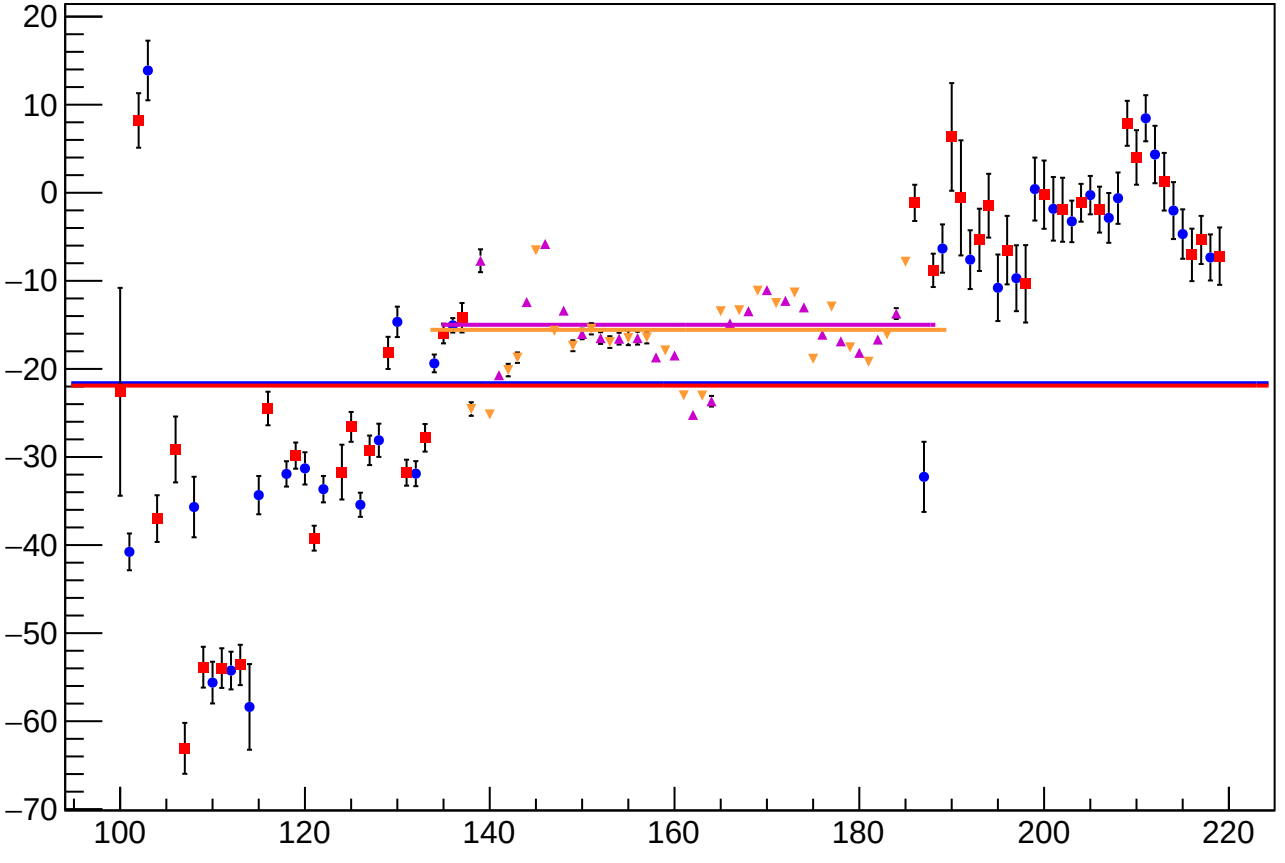
Right: -76.453+/-0.197 χ^2/NDF: 8139.7/68

In: -44.583+/-0.096 χ^2/NDF:29321.8/54

Out: -45.428+/-0.094 χ^2/NDF:37019.9/61

All: -45.015+/-0.067 χ^2/NDF: 66381.1/116

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -21.624+/-0.349 χ^2/NDF: 1828.1/31

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -21.895+/-0.367 χ^2/NDF: 2058.0/36

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

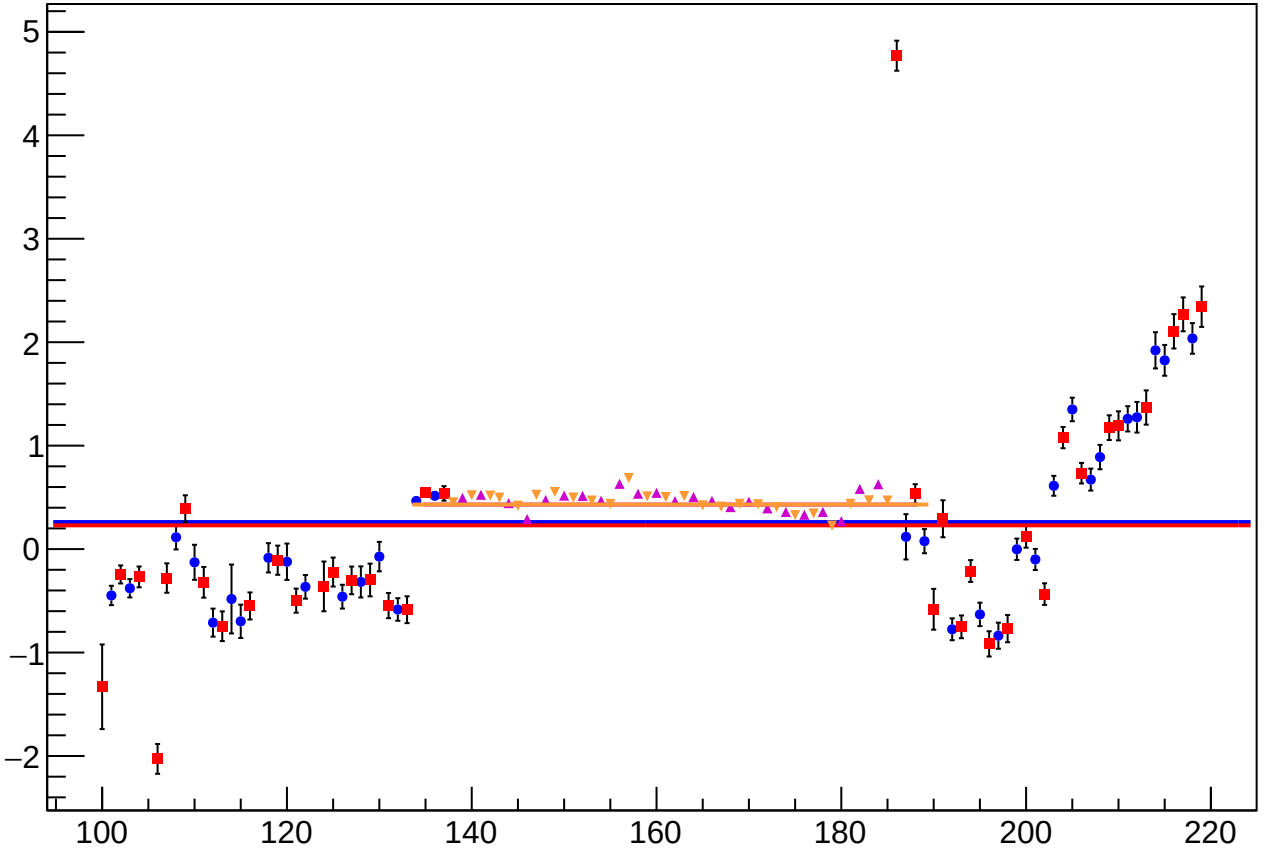
Right: -21.753+/-0.253 χ^2/NDF: 3886.4/68

In: -15.406+/-0.087 χ^2/NDF:4317.9/54

Out: -15.913+/-0.086 χ^2/NDF:4888.5/61

All: -15.663+/-0.061 χ^2/NDF: 9223.4/116

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.261+/-0.017 χ^2/NDF: 1305.7/31

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.230+/-0.019 χ^2/NDF: 2603.7/36

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

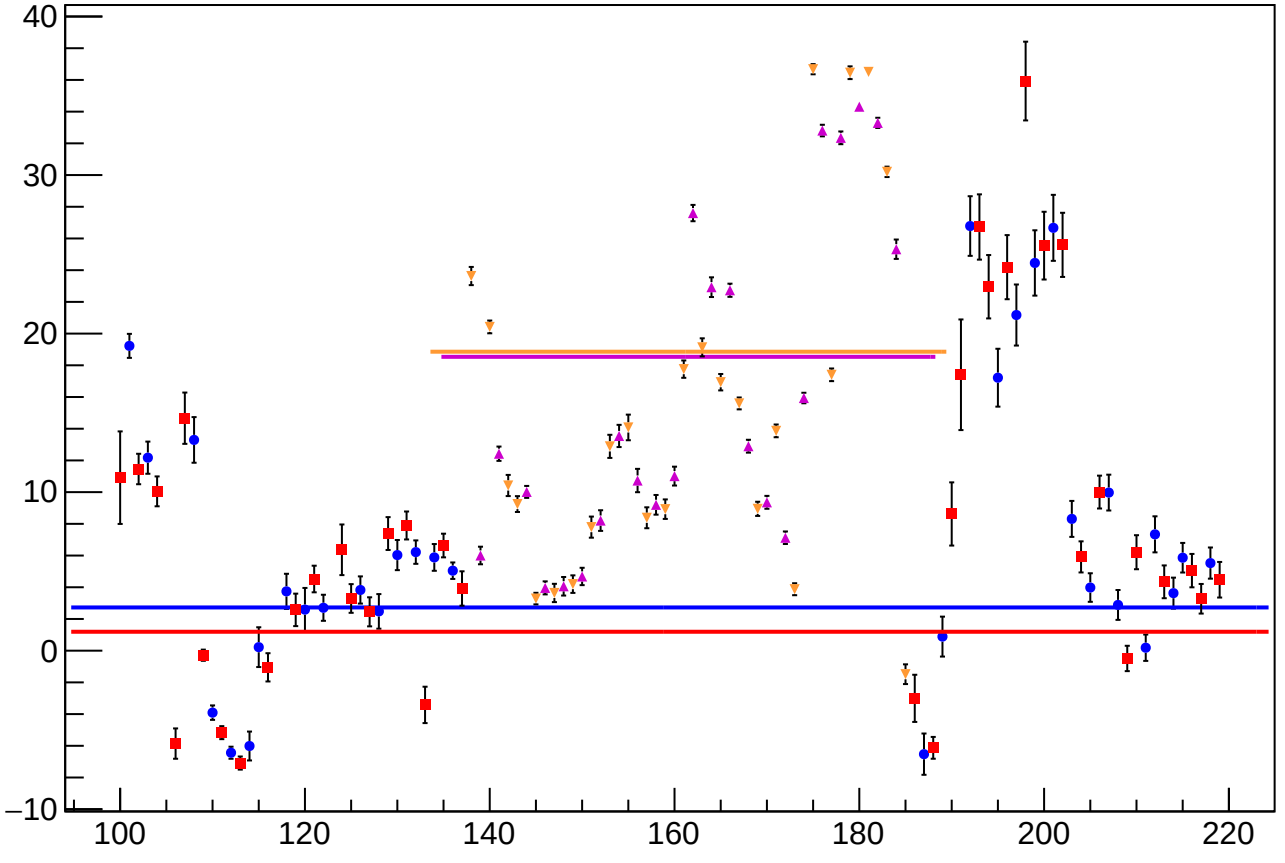
Right: 0.247+/-0.013 χ^2/NDF: 3910.9/68

In: 0.421+/-0.004 χ^2/NDF:1977.9/54

Out: 0.422+/-0.004 χ^2/NDF:3131.4/61

All: 0.422+/-0.003 χ^2/NDF: 5109.3/116

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.727+/-0.155 χ^2/NDF: 2301.6/31

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 1.194+/-0.144 χ^2/NDF: 2394.0/36

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

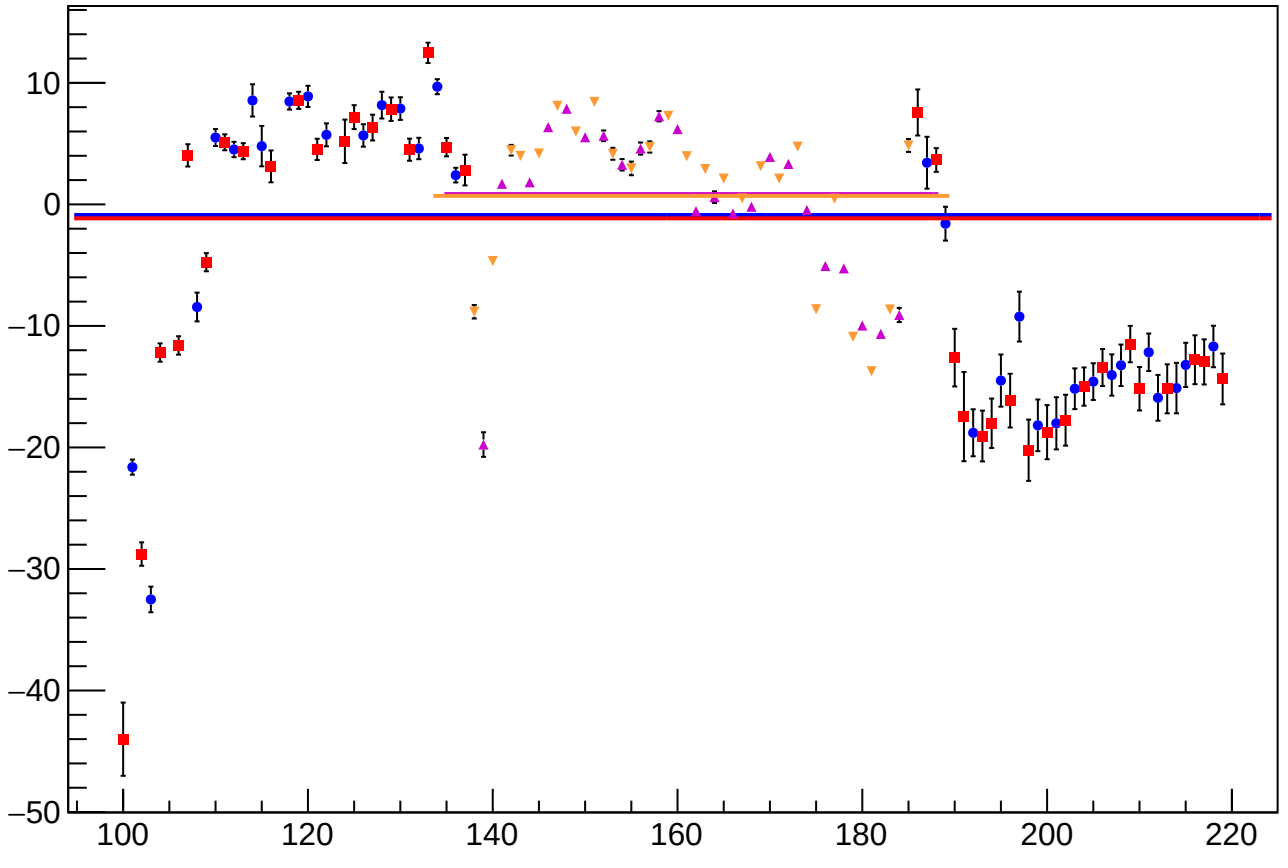
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 1.906+/-0.105 χ^2/NDF: 4748.1/68

In: 14.327+/-0.080 χ^2/NDF:24020.8/54

Out: 13.872+/-0.077 χ^2/NDF:31544.2/61

All: 14.090+/-0.055 χ^2/NDF: 55581.9/116



Right In: -0.873+/-0.185 χ^2/NDF: 4007.0/31

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -1.146+/-0.183 χ^2/NDF: 3352.4/36

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

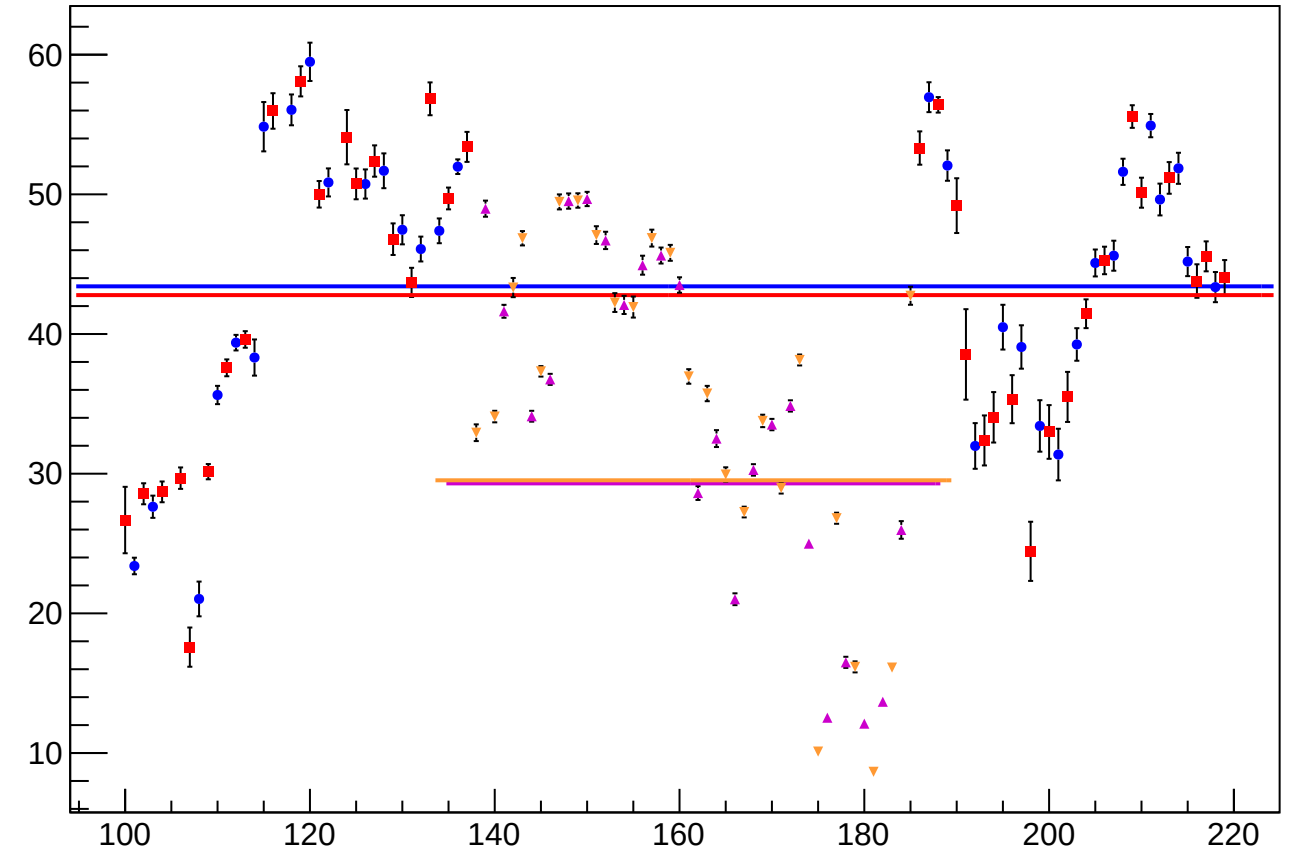
Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

Right: -1.011+/-0.130 χ^2/NDF: 7360.5/68

In: 0.619+/-0.067 χ^2/NDF:10127.0/54

Out: 0.462+/-0.066 χ^2/NDF:11679.2/61

All: 0.539+/-0.047 χ^2/NDF: 21809.1/116



Right In: 43.413+/-0.170 χ^2/NDF: 3569.6/31

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 42.785+/-0.163 χ^2/NDF: 4124.7/36

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

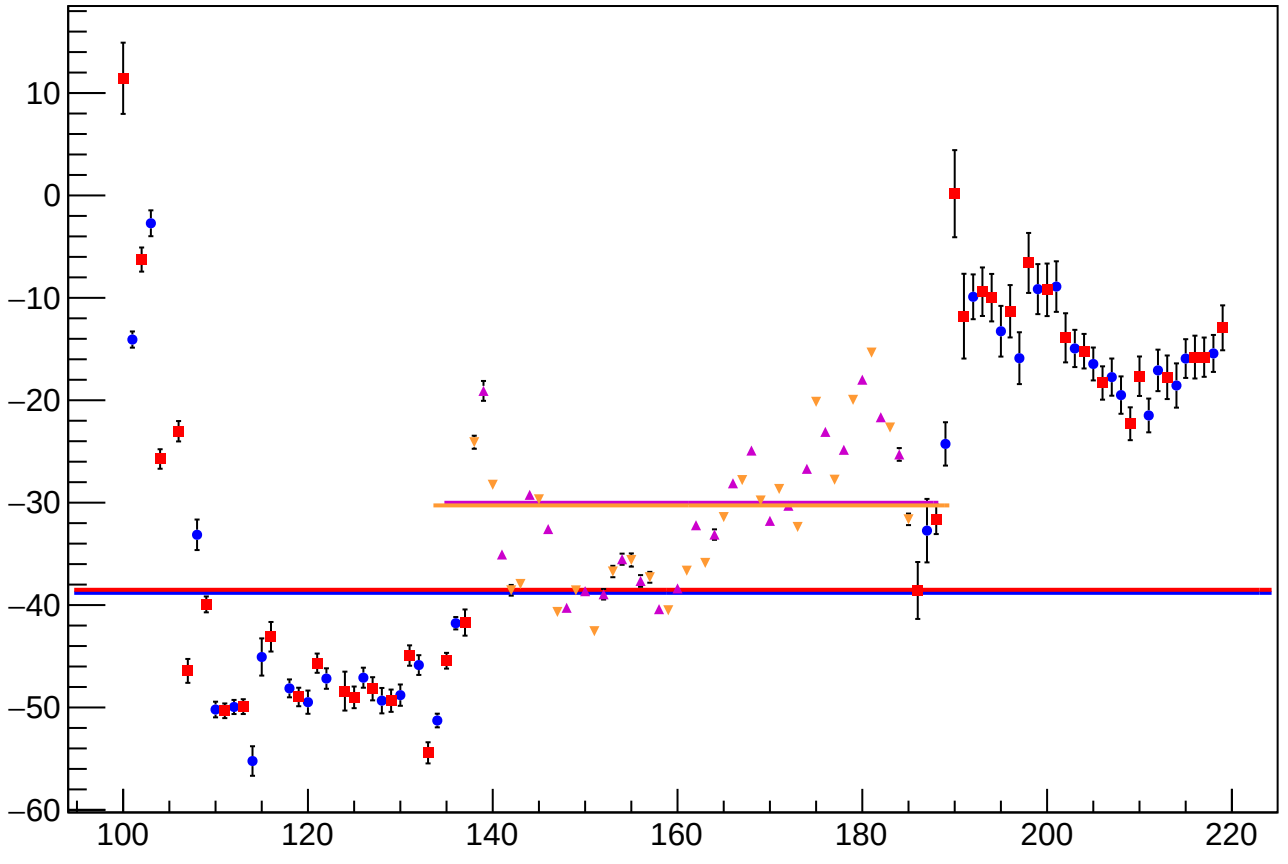
Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

Right: 43.086+/-0.118 χ^2/NDF: 7701.4/68

In: 32.563+/-0.082 χ^2/NDF:26741.8/54

Out: 32.659+/-0.079 χ^2/NDF:30270.5/61

All: 32.612+/-0.057 χ^2/NDF: 57013.0/116



Right In: -38.806+/-0.209 χ^2/NDF: 5314.5/31

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -38.508+/-0.208 χ^2/NDF: 4786.9/36

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

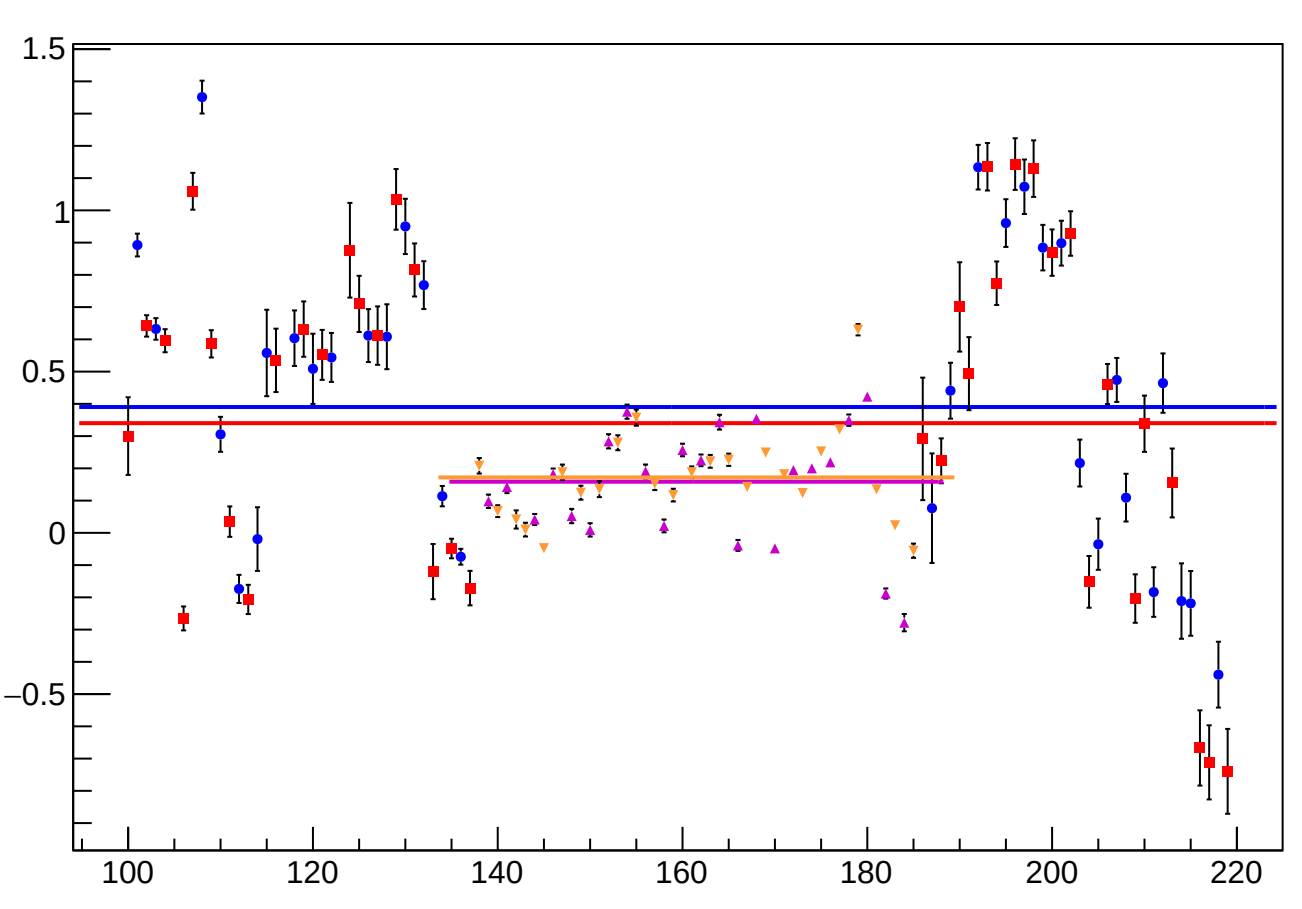
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -38.656+/-0.147 χ^2/NDF: 10102.4/68

In: -31.168+/-0.076 χ^2/NDF:12936.1/54

Out: -31.311+/-0.074 χ^2/NDF:14654.9/61

All: -31.241+/-0.053 χ^2/NDF: 27592.7/116



Right In: 0.390+/-0.010 χ^2/NDF: 1906.6/31

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.340+/-0.010 χ^2/NDF: 2015.1/36

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

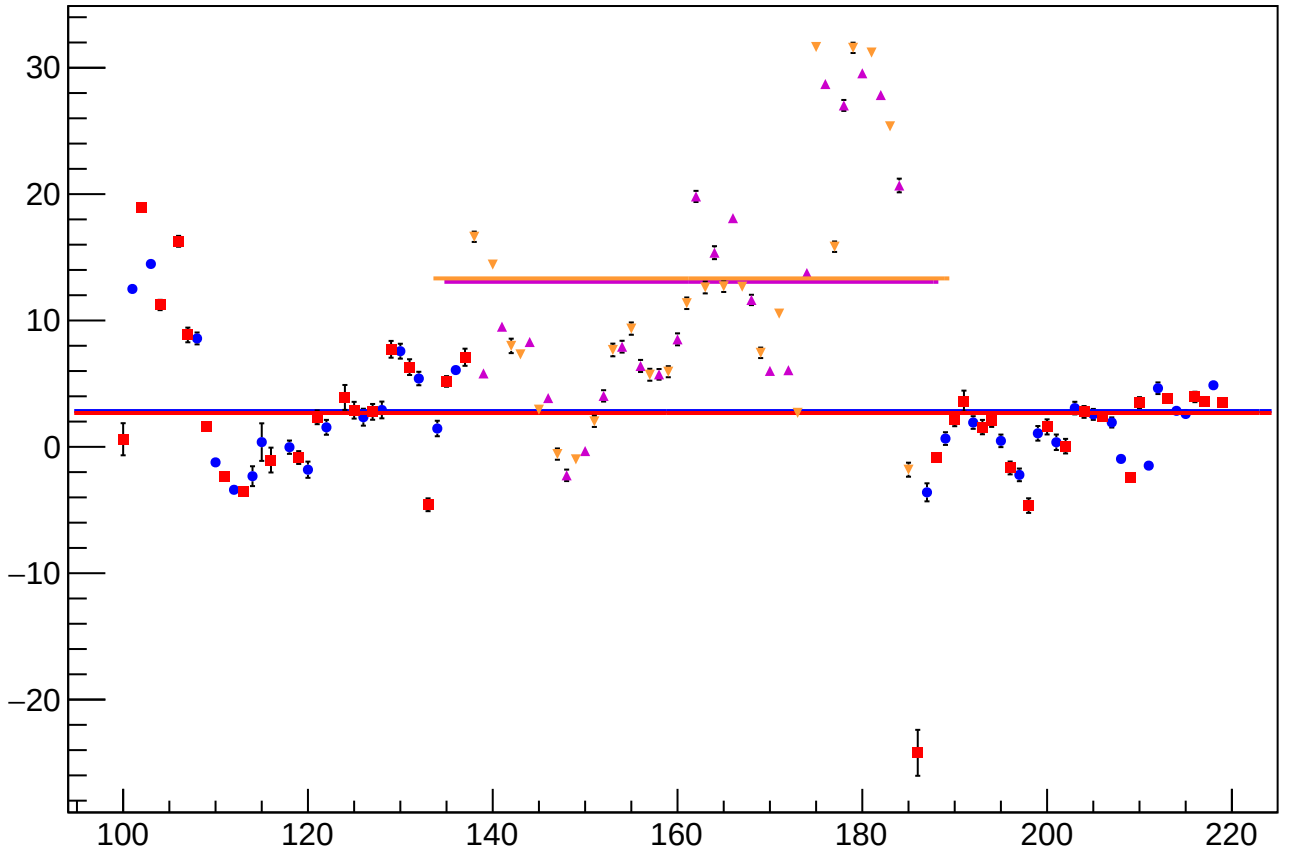
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.365+/-0.007 χ^2/NDF: 3933.2/68

In: 0.183+/-0.003 χ^2/NDF:4531.0/54

Out: 0.190+/-0.003 χ^2/NDF:3752.1/61

All: 0.187+/-0.002 χ^2/NDF: 8284.7/116



Right In: 2.833+/-0.080 χ^2/NDF: 3384.6/31

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.680+/-0.075 χ^2/NDF: 5421.6/36

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

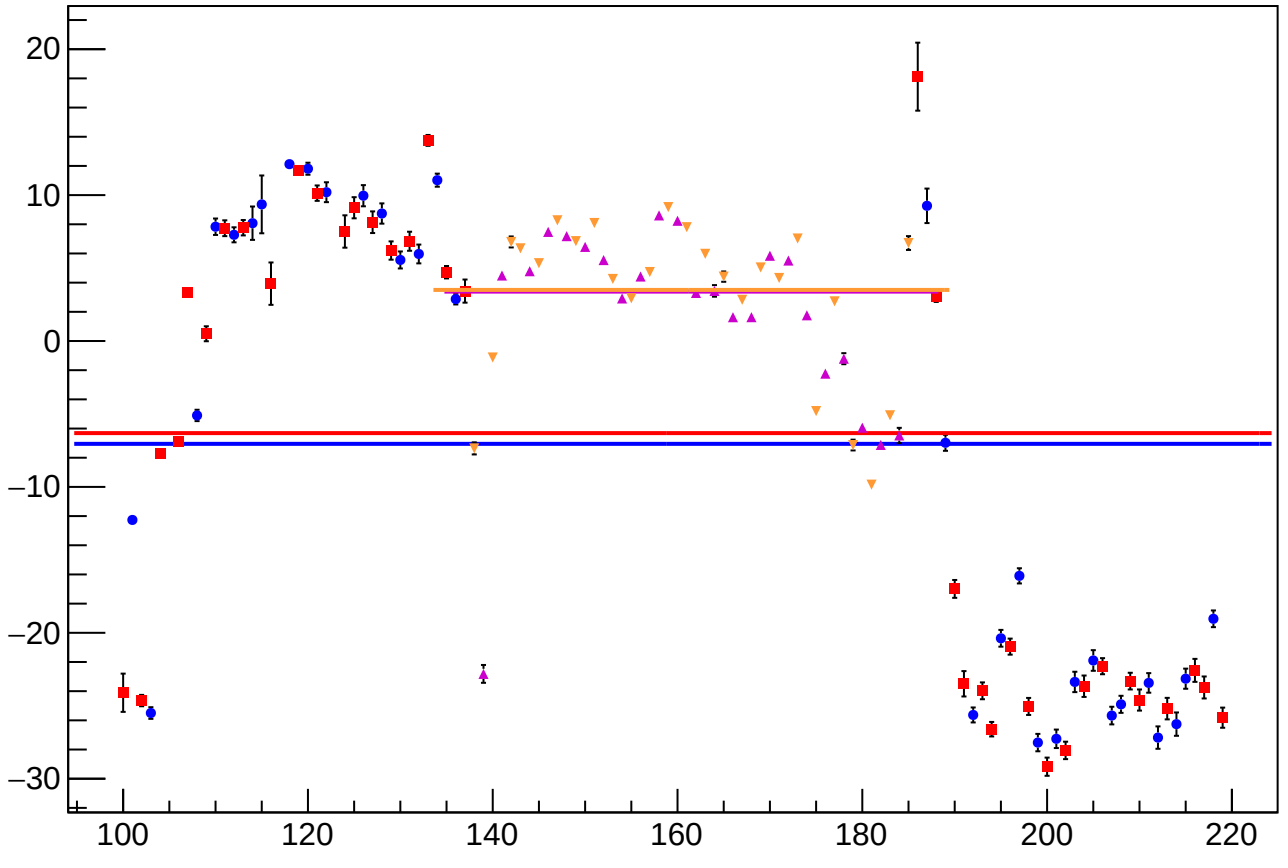
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 2.751+/-0.055 χ^2/NDF: 8808.1/68

In: 7.995+/-0.056 χ^2/NDF:27180.4/54

Out: 7.863+/-0.054 χ^2/NDF:34735.3/61

All: 7.926+/-0.039 χ^2/NDF: 61918.5/116



Right In: -7.049+/-0.093 χ^2/NDF: 25190.6/31

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -6.312+/-0.088 χ^2/NDF: 28128.4/36

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

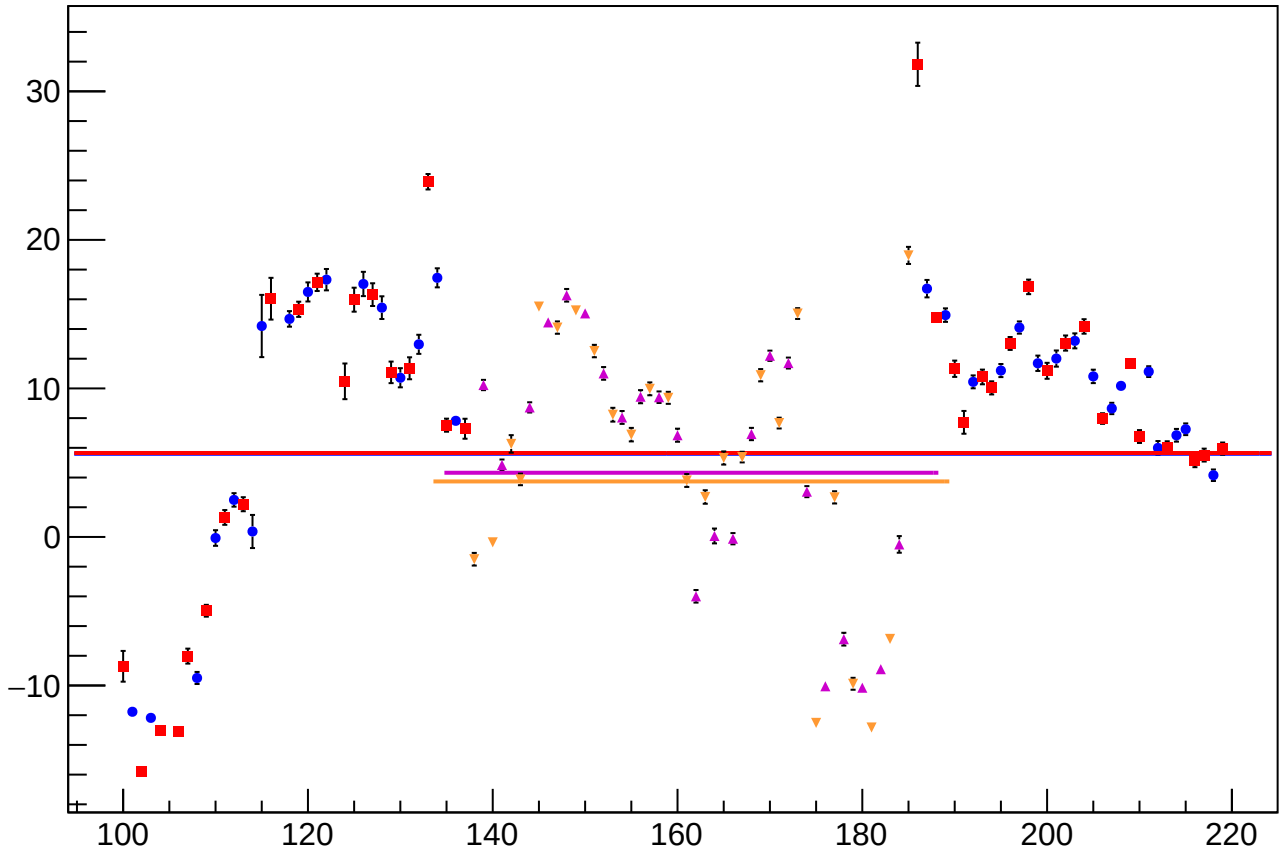
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -6.660+/-0.064 χ^2/NDF: 53351.9/68

In: 0.266+/-0.051 χ^2/NDF:40644.1/54

Out: 0.503+/-0.049 χ^2/NDF:44623.5/61

All: 0.390+/-0.035 χ^2/NDF: 85278.9/116



Right In: 5.602+/-0.080 χ^2/NDF: 14161.6/31

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 5.653+/-0.075 χ^2/NDF: 20398.0/36

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

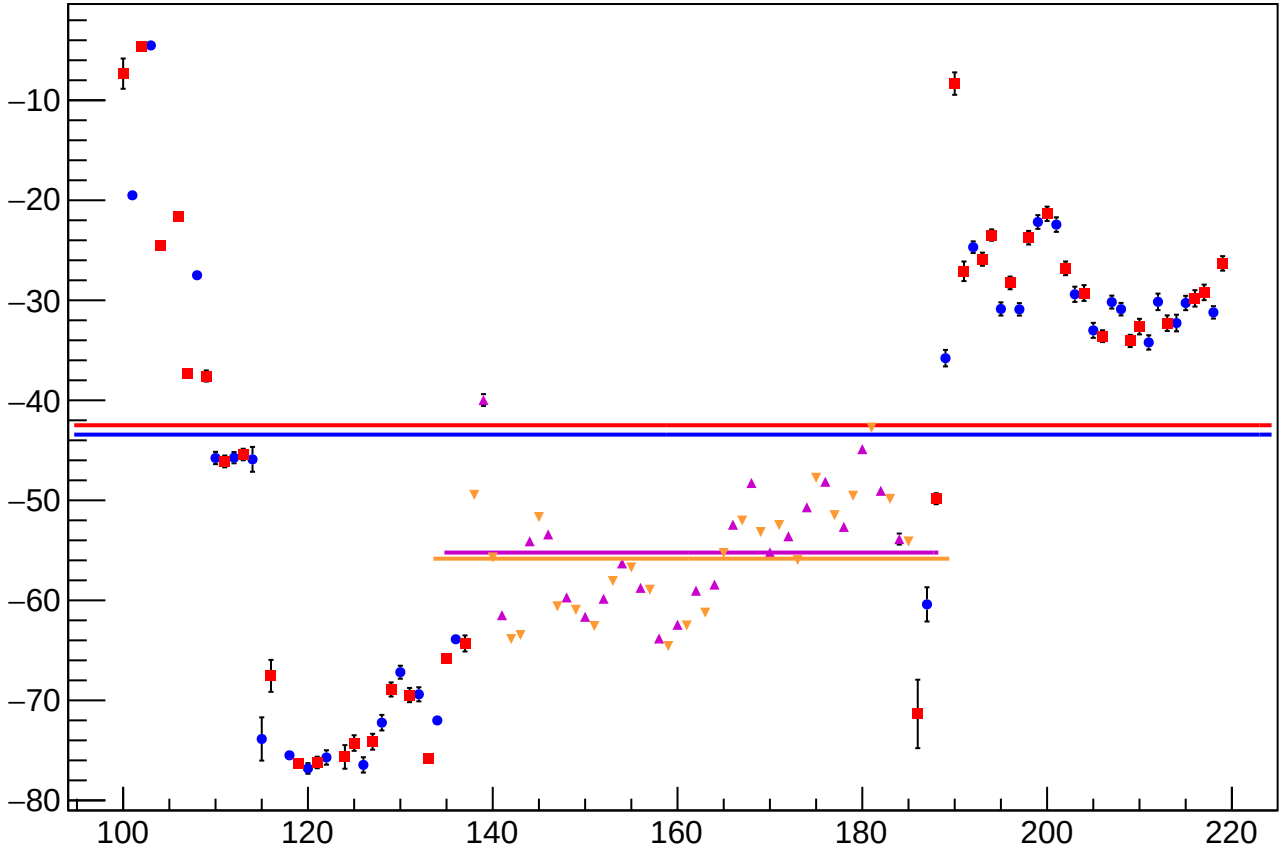
Right: 5.629+/-0.055 χ^2/NDF: 34559.8/68

In: 4.952+/-0.056 χ^2/NDF:26775.4/54

Out: 4.716+/-0.053 χ^2/NDF:36305.6/61

All: 4.829+/-0.039 χ^2/NDF: 63090.3/116

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -43.429+/-0.108 χ^2/NDF: 43545.9/31

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -42.493+/-0.103 χ^2/NDF: 45086.8/36

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

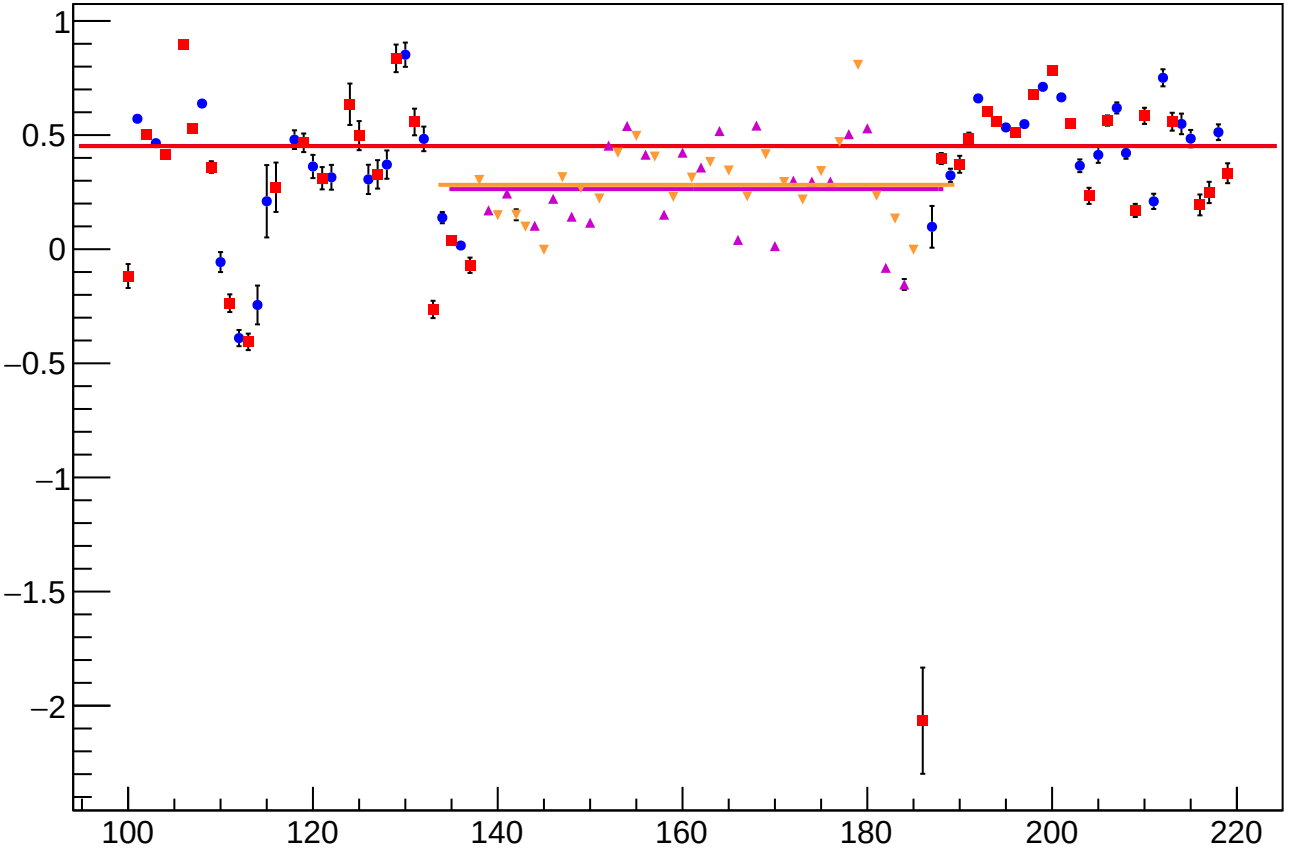
Right: -42.941+/-0.075 χ^2/NDF: 88671.9/68

In: -51.824+/-0.058 χ^2/NDF:58377.3/54

Out: -51.944+/-0.056 χ^2/NDF:64463.0/61

All: -51.886+/-0.040 χ^2/NDF: 122842.6/116

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.452+/-0.005 χ^2/NDF: 2732.9/31

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.452+/-0.004 χ^2/NDF: 3829.3/36

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

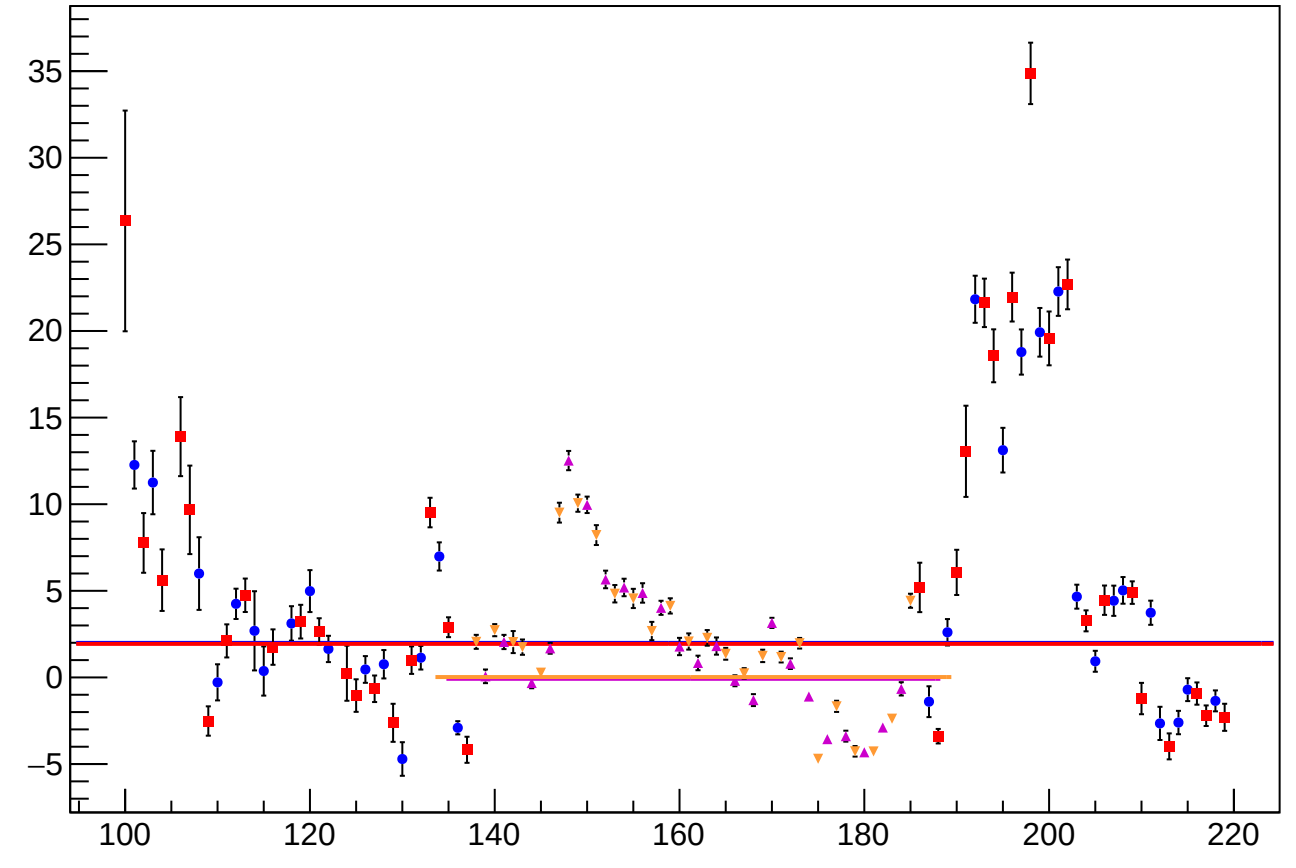
Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

Right: 0.452+/-0.003 χ^2/NDF: 6562.2/68

In: 0.321+/-0.003 χ^2/NDF:7759.6/54

Out: 0.337+/-0.002 χ^2/NDF:7584.6/61

All: 0.329+/-0.002 χ^2/NDF: 15363.7/116



Right In: 1.993+/-0.147 χ^2/NDF: 1368.9/31

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 1.937+/-0.147 χ^2/NDF: 1897.0/36

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

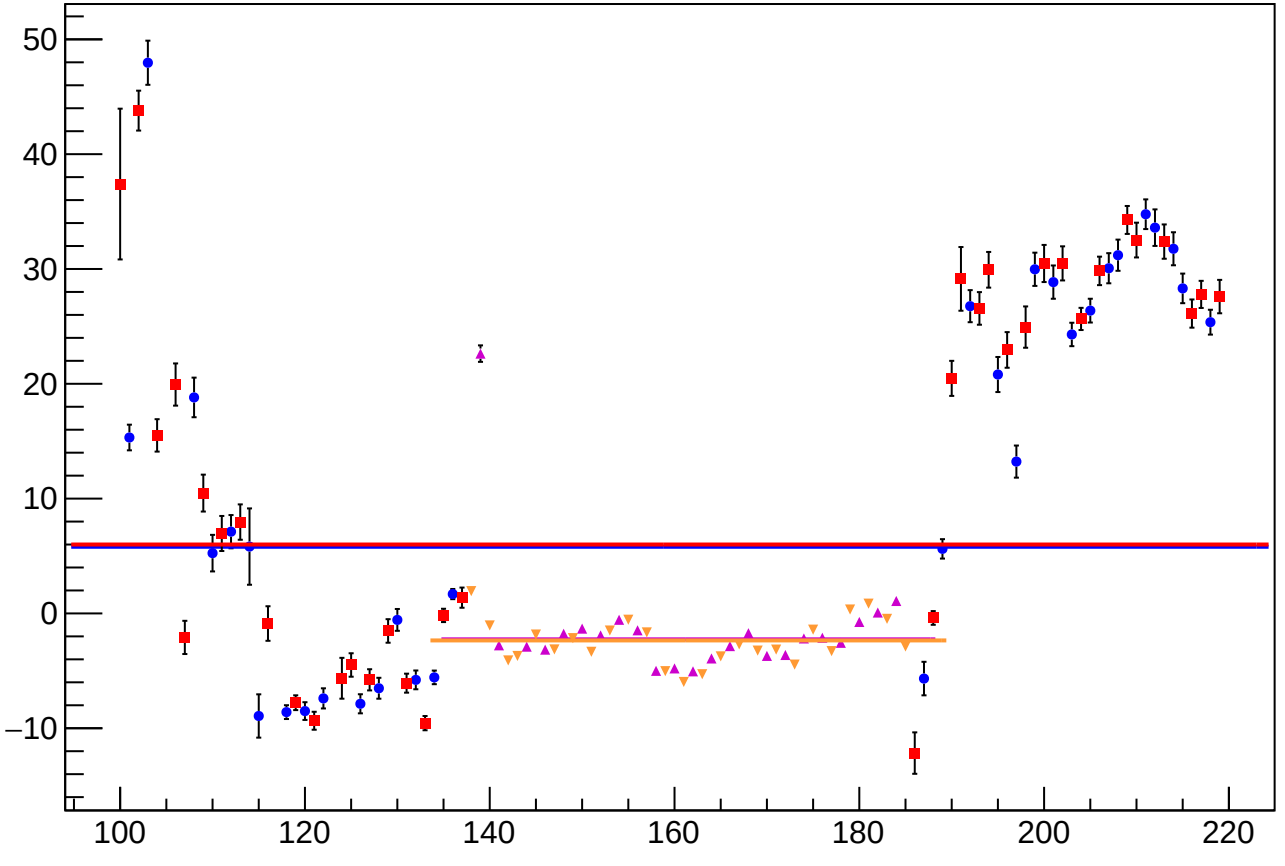
Right: 1.965+/-0.104 χ^2/NDF: 3266.0/68

In: 0.308+/-0.064 χ^2/NDF:3994.4/54

Out: 0.363+/-0.062 χ^2/NDF:4795.4/61

All: 0.336+/-0.044 χ^2/NDF: 8790.1/116

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.807+/-0.177 χ^2/NDF: 7092.7/31

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 6.001+/-0.181 χ^2/NDF: 7175.2/36

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

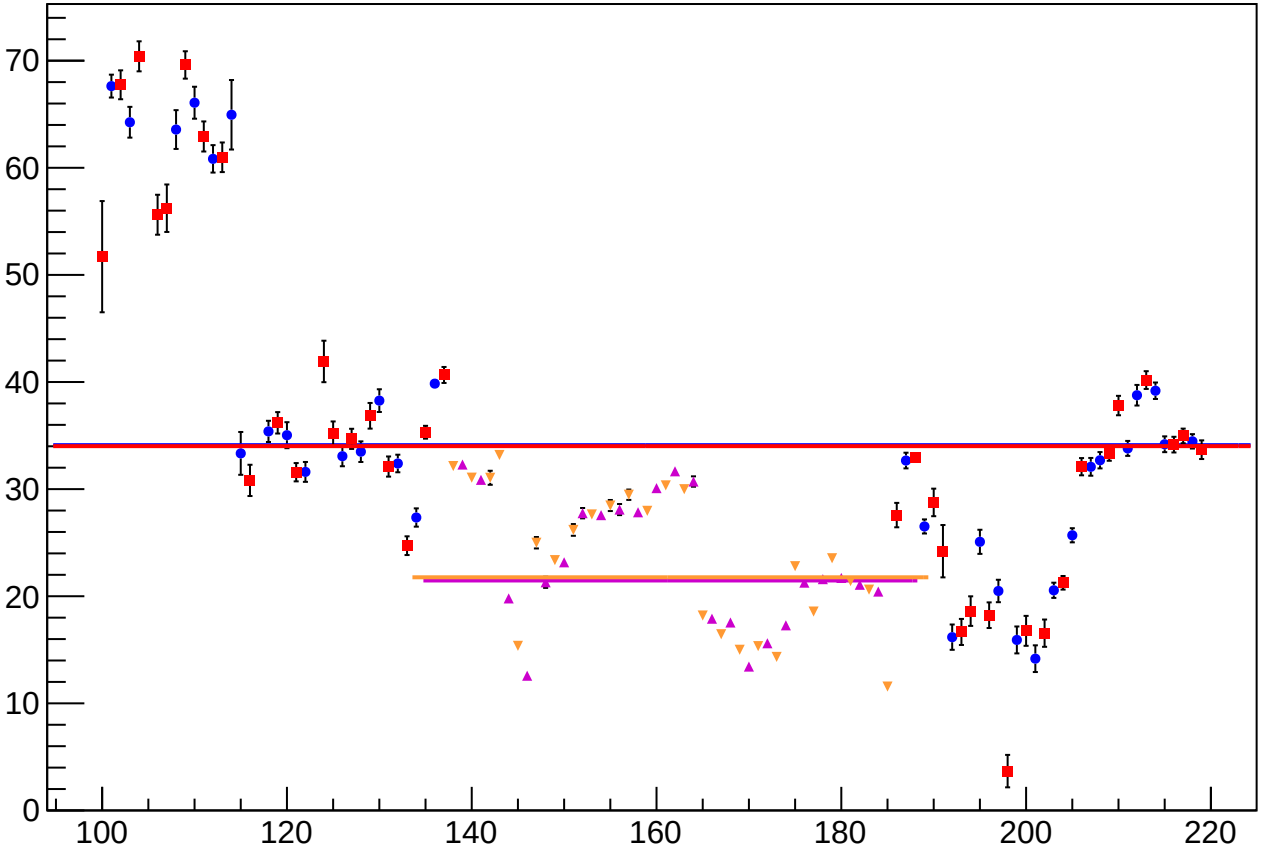
Right: 5.902+/-0.127 χ^2/NDF: 14268.5/68

In: -1.517+/-0.054 χ^2/NDF:10847.7/54

Out: -1.647+/-0.053 χ^2/NDF:10240.6/61

All: -1.583+/-0.038 χ^2/NDF: 21091.3/116

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 34.104+/-0.153 χ^2/NDF: 4660.2/31

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 34.012+/-0.151 χ^2/NDF: 5170.3/36

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

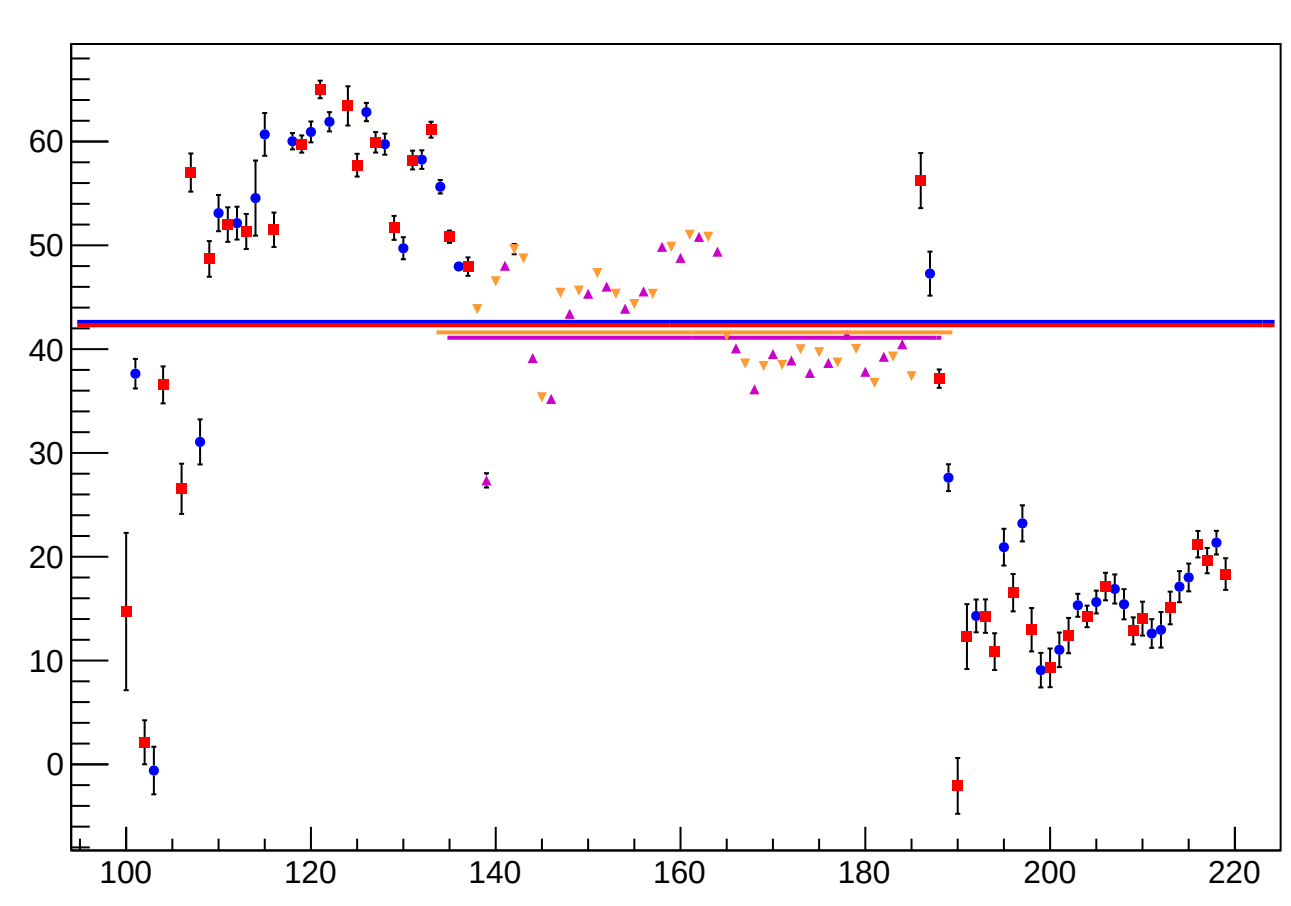
Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

Right: 34.058+/-0.107 χ^2/NDF: 9830.8/68

In: 23.696+/-0.064 χ^2/NDF:16083.0/54

Out: 23.882+/-0.063 χ^2/NDF:17442.9/61

All: 23.791+/-0.045 χ^2/NDF: 33530.2/116



Right In: 42.626+/-0.199 χ^2/NDF: 8665.7/31

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 42.299+/-0.207 χ^2/NDF: 8771.5/36

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

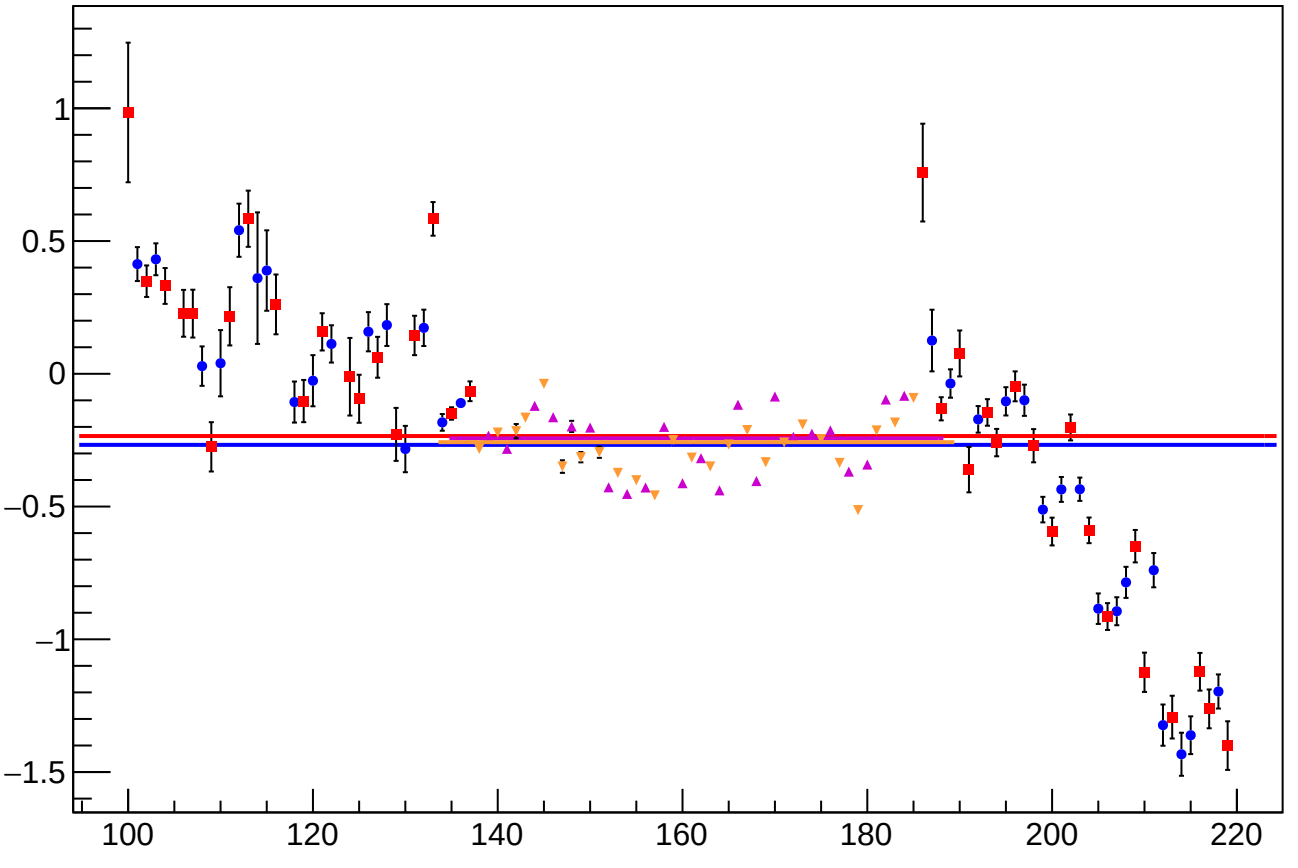
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 42.469+/-0.143 χ^2/NDF: 17438.6/68

In: 41.236+/-0.060 χ^2/NDF:14197.6/54

Out: 41.669+/-0.059 χ^2/NDF:14557.6/61

All: 41.456+/-0.042 χ^2/NDF: 28781.9/116



Right In: -0.268+/-0.010 χ^2/NDF: 1920.3/31

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.234+/-0.010 χ^2/NDF: 1845.6/36

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

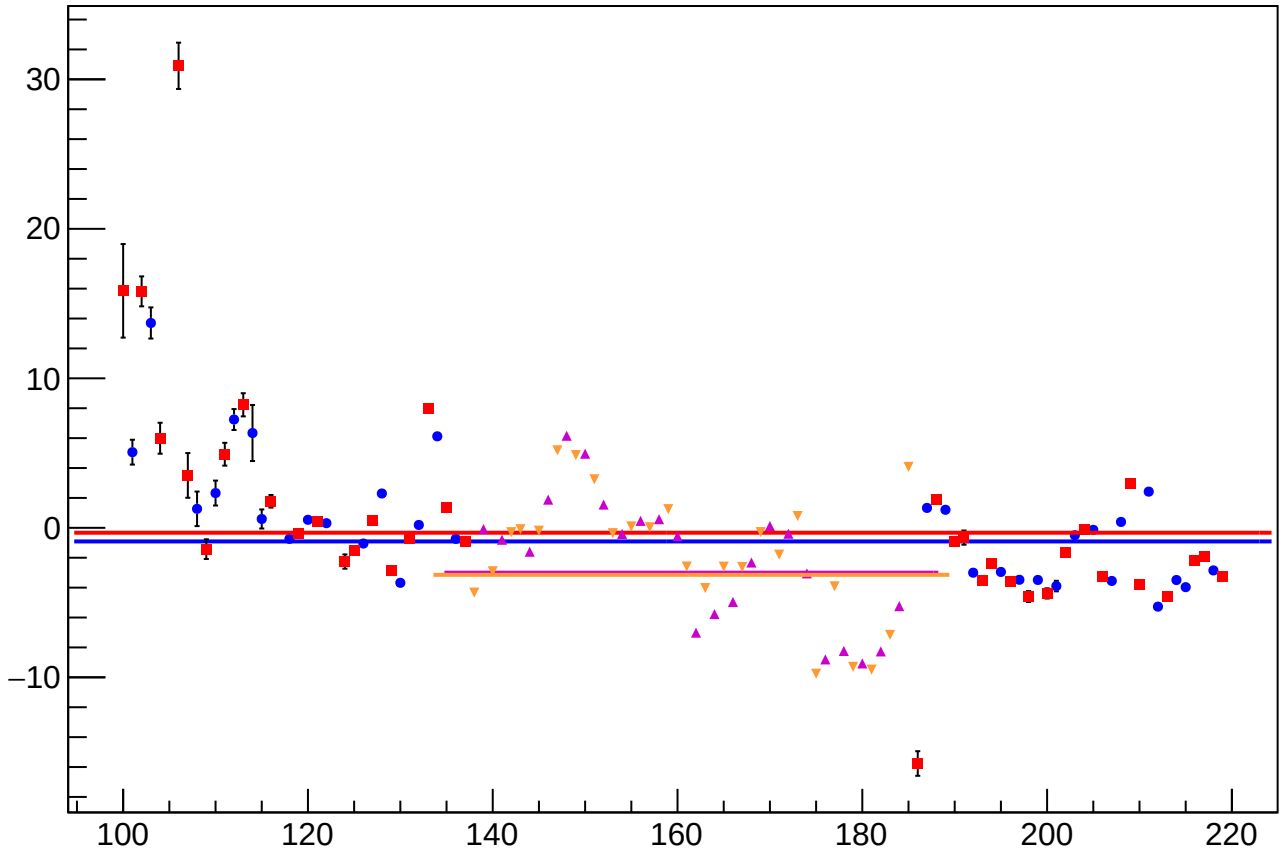
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.252+/-0.007 χ^2/NDF: 3771.6/68

In: -0.245+/-0.003 χ^2/NDF:3738.2/54

Out: -0.256+/-0.003 χ^2/NDF:3365.5/61

All: -0.251+/-0.002 χ^2/NDF: 7112.5/116



Right In: -0.910+/-0.045 χ^2/NDF: 3294.4/31

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: -0.327+/-0.044 χ^2/NDF: 5932.9/36

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

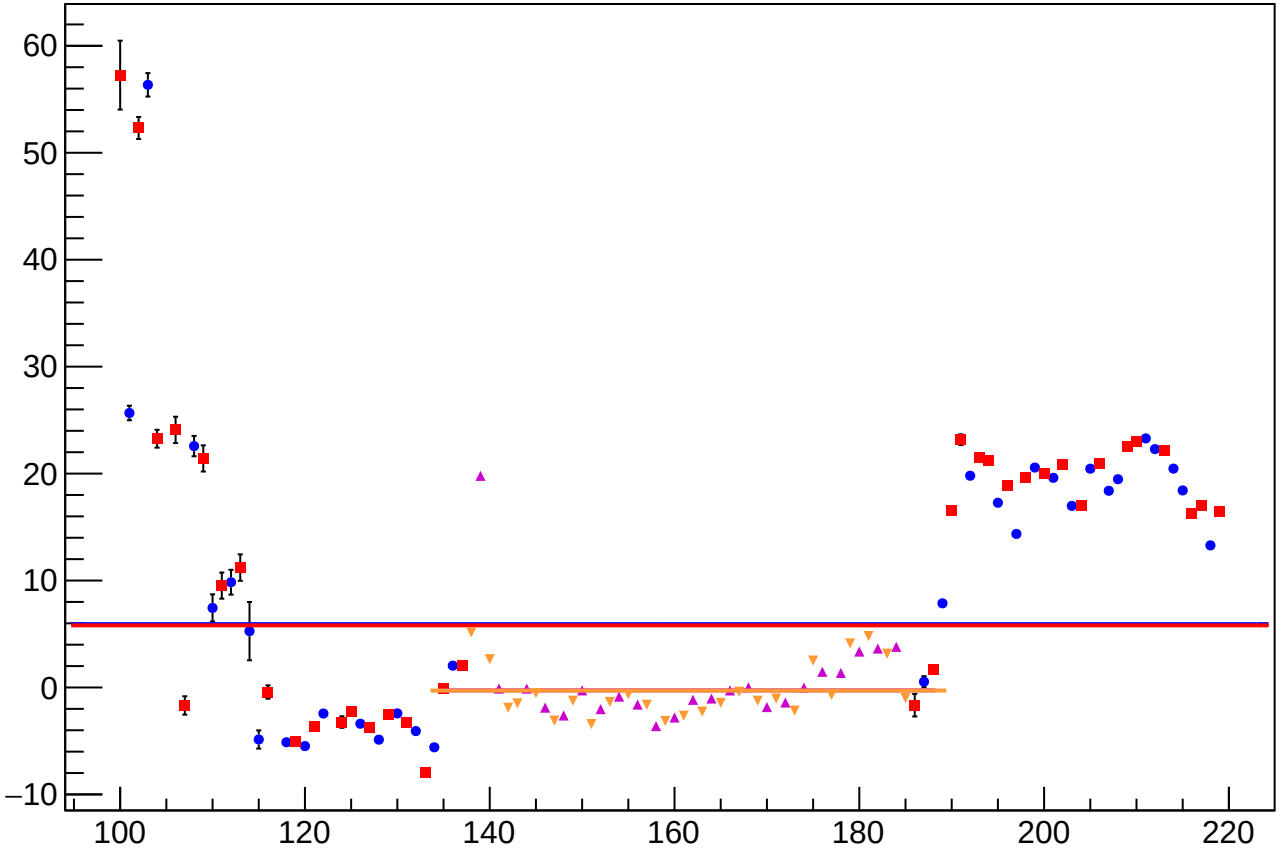
Right: -0.610+/-0.031 χ^2/NDF: 9314.4/68

In: -2.398+/-0.024 χ^2/NDF:27270.5/54

Out: -2.330+/-0.023 χ^2/NDF:34273.8/61

All: -2.363+/-0.017 χ^2/NDF: 61548.4/116

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.924+/-0.053 χ^2/NDF: 44970.6/31

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 5.807+/-0.052 χ^2/NDF: 53764.6/36

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

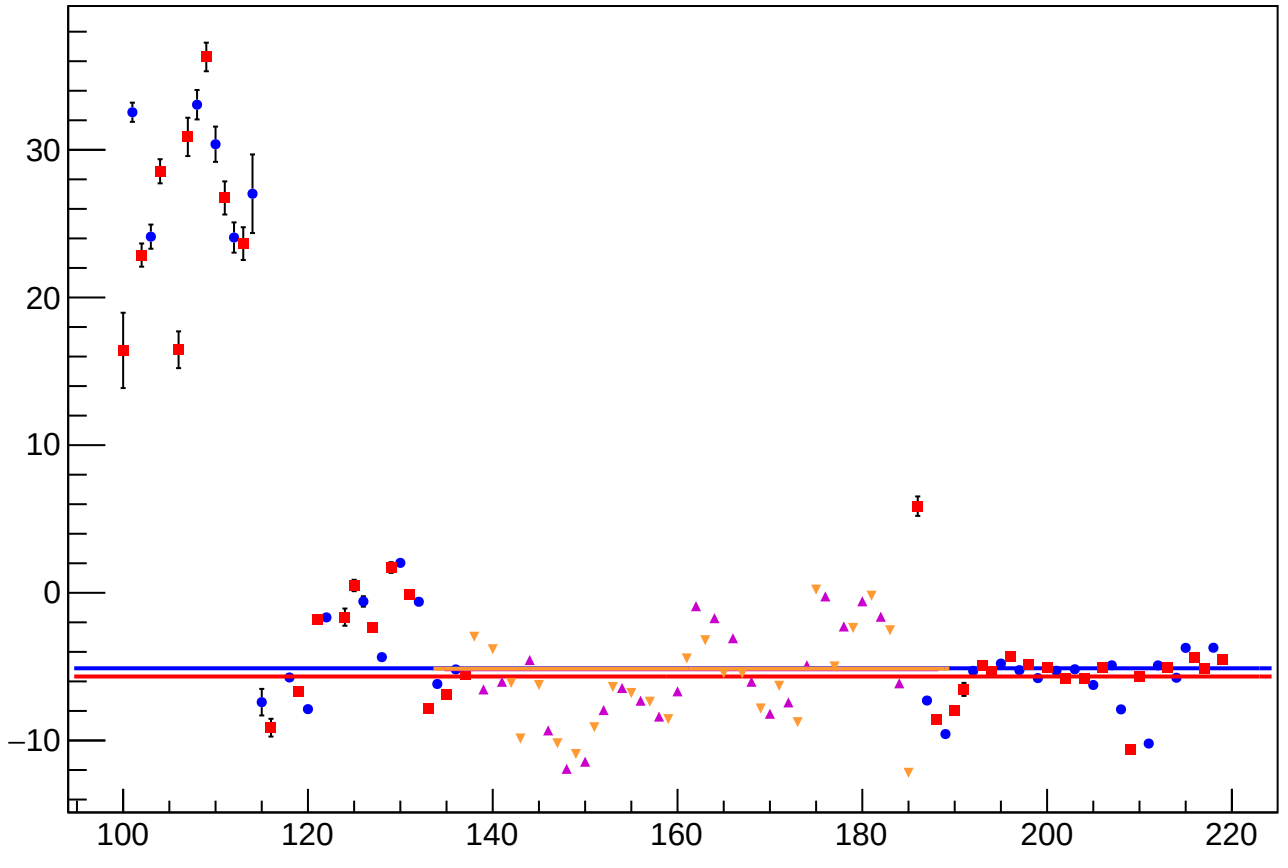
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 5.864+/-0.037 χ^2/NDF: 98737.7/68

In: 0.652+/-0.021 χ^2/NDF:69695.3/54

Out: 0.634+/-0.020 χ^2/NDF:77778.7/61

All: 0.643+/-0.014 χ^2/NDF: 147474.4/116



Right In: -5.111+/-0.045 χ^2/NDF: 10803.6/31

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.667+/-0.043 χ^2/NDF: 11574.2/36

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

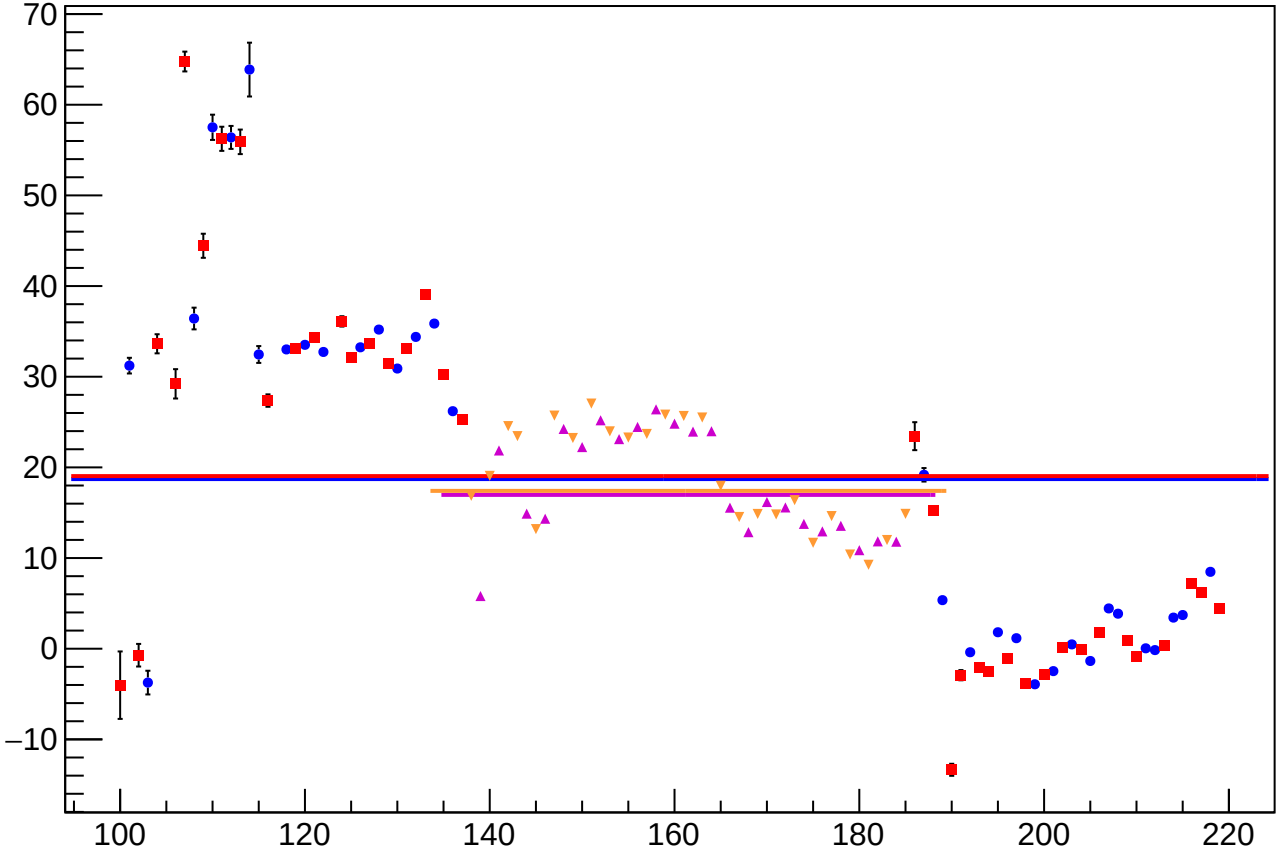
Right: -5.404+/-0.031 χ^2/NDF: 22456.7/68

In: -5.159+/-0.024 χ^2/NDF:24768.8/54

Out: -5.294+/-0.023 χ^2/NDF:26306.9/61

All: -5.228+/-0.017 χ^2/NDF: 51091.9/116

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 18.711+/-0.061 χ^2/NDF: 65765.9/31

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 19.038+/-0.060 χ^2/NDF: 79896.0/36

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

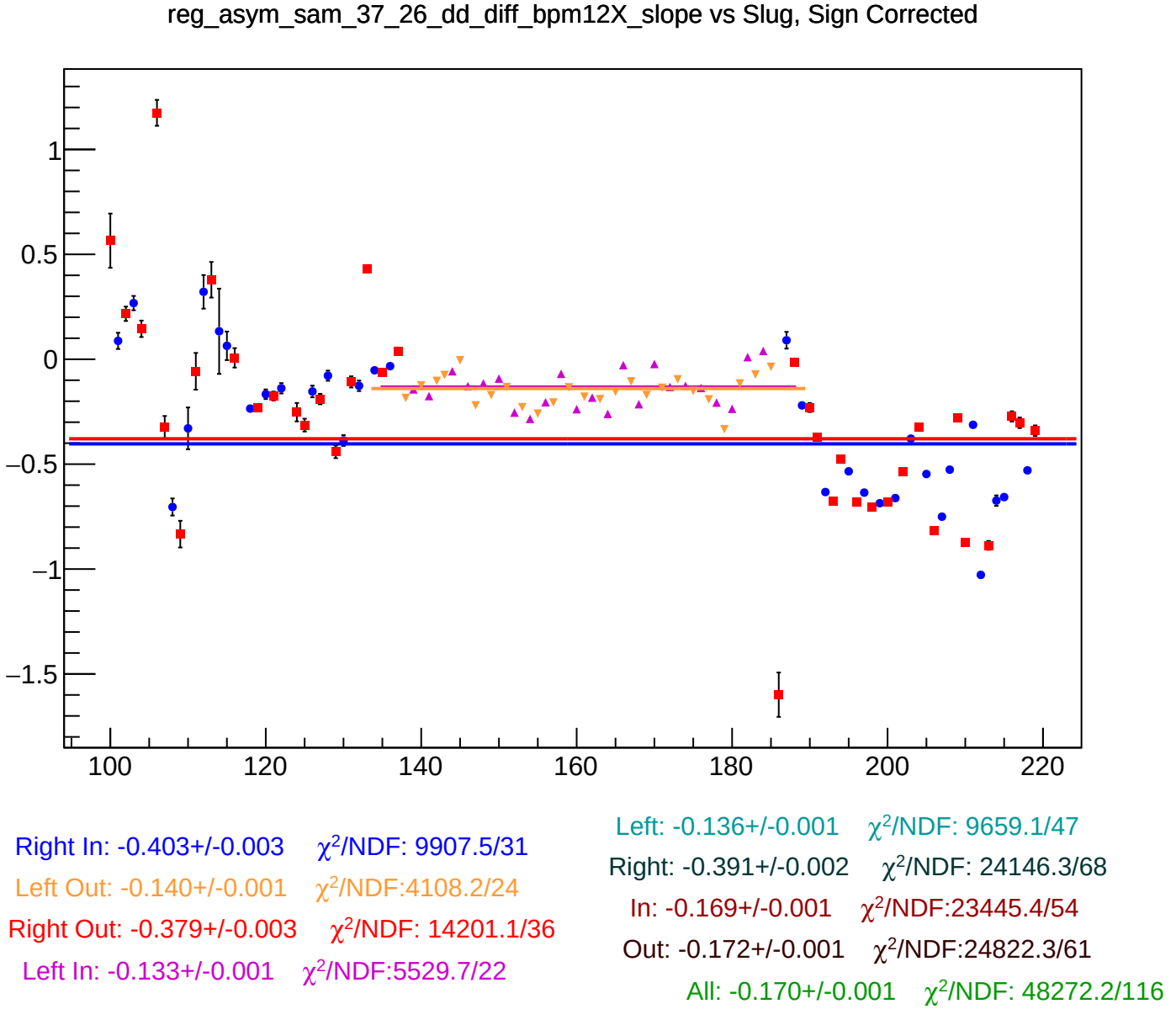
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 18.877+/-0.043 χ^2/NDF: 145676.6/68

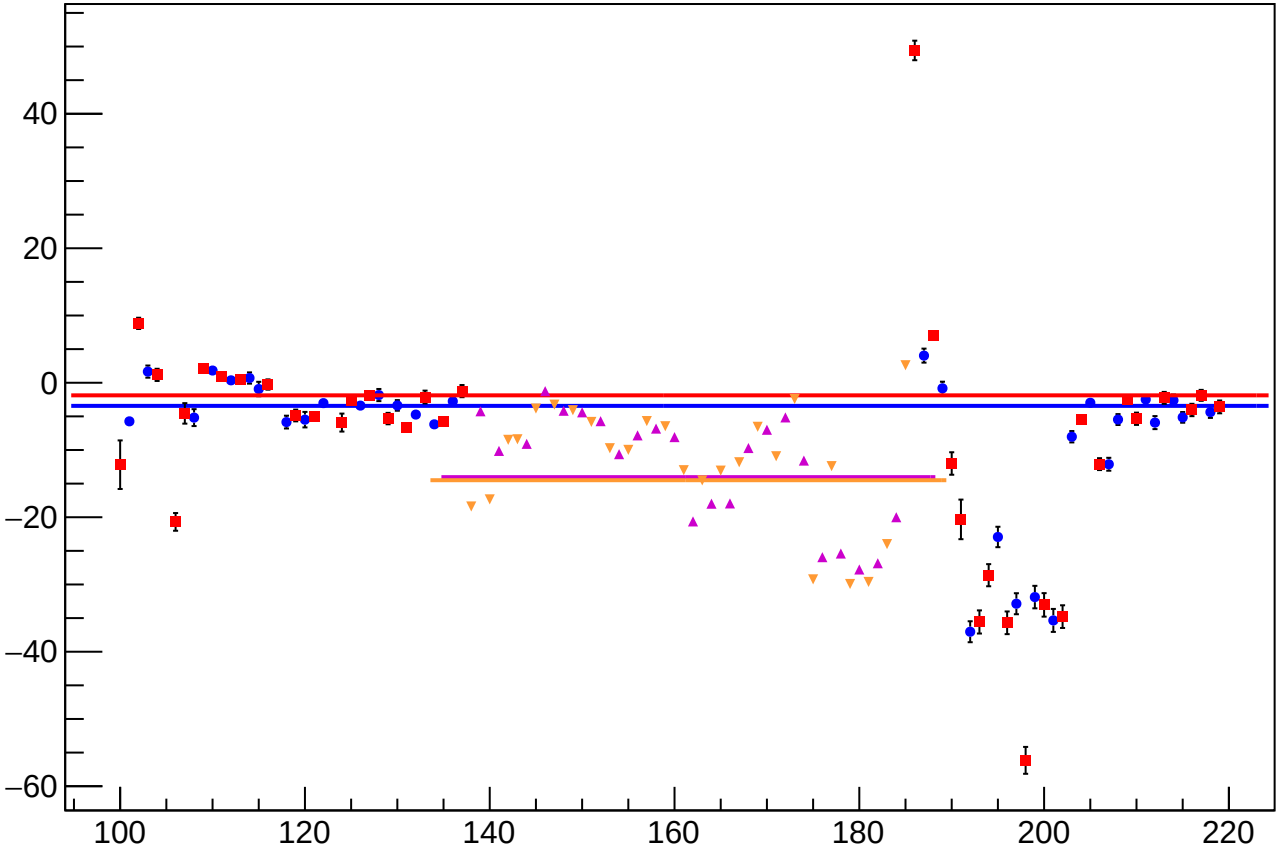
In: 17.220+/-0.023 χ^2/NDF:106410.5/54

Out: 17.642+/-0.023 χ^2/NDF:131162.6/61

All: 17.436+/-0.016 χ^2/NDF: 237743.3/116


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: -0.403+/-0.003 χ²/NDF: 9907.5/31
Left Out: -0.140+/-0.001 χ²/NDF:4108.2/24
Right Out: -0.379+/-0.003 χ²/NDF: 14201.1/36
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: 24146.3/68
In: -0.169+/-0.001 χ²/NDF:23445.4/54
Out: -0.172+/-0.001 χ²/NDF:24822.3/61
All: -0.170+/-0.001 χ²/NDF: 48272.2/116

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.438+/-0.132 χ^2/NDF: 2221.9/31

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.873+/-0.125 χ^2/NDF: 5058.9/36

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

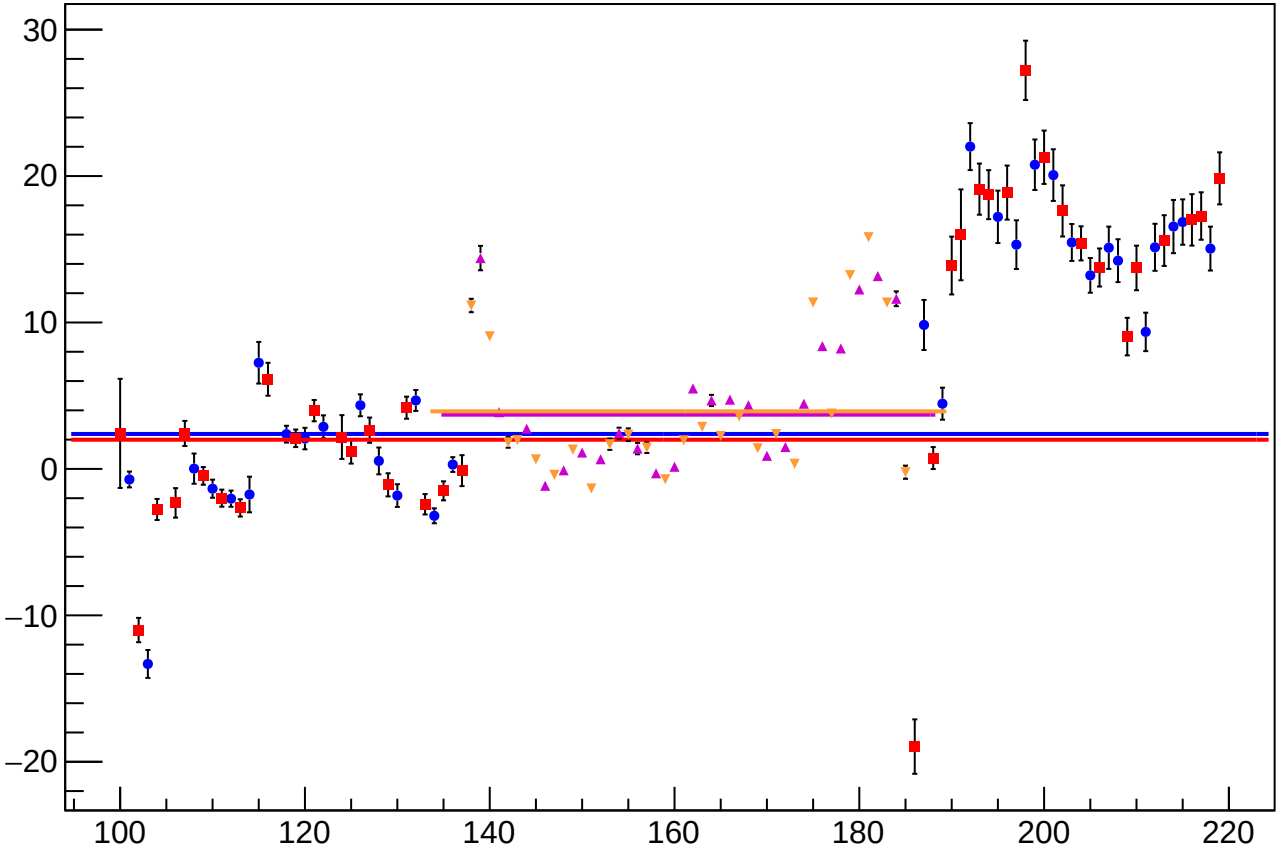
Right: -2.619+/-0.091 χ^2/NDF: 7355.0/68

In: -11.342+/-0.066 χ^2/NDF:20548.1/54

Out: -11.188+/-0.064 χ^2/NDF:29756.5/61

All: -11.262+/-0.046 χ^2/NDF: 50307.4/116

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.387+/-0.157 χ^2/NDF: 1782.2/31

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 1.993+/-0.158 χ^2/NDF: 1993.7/36

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

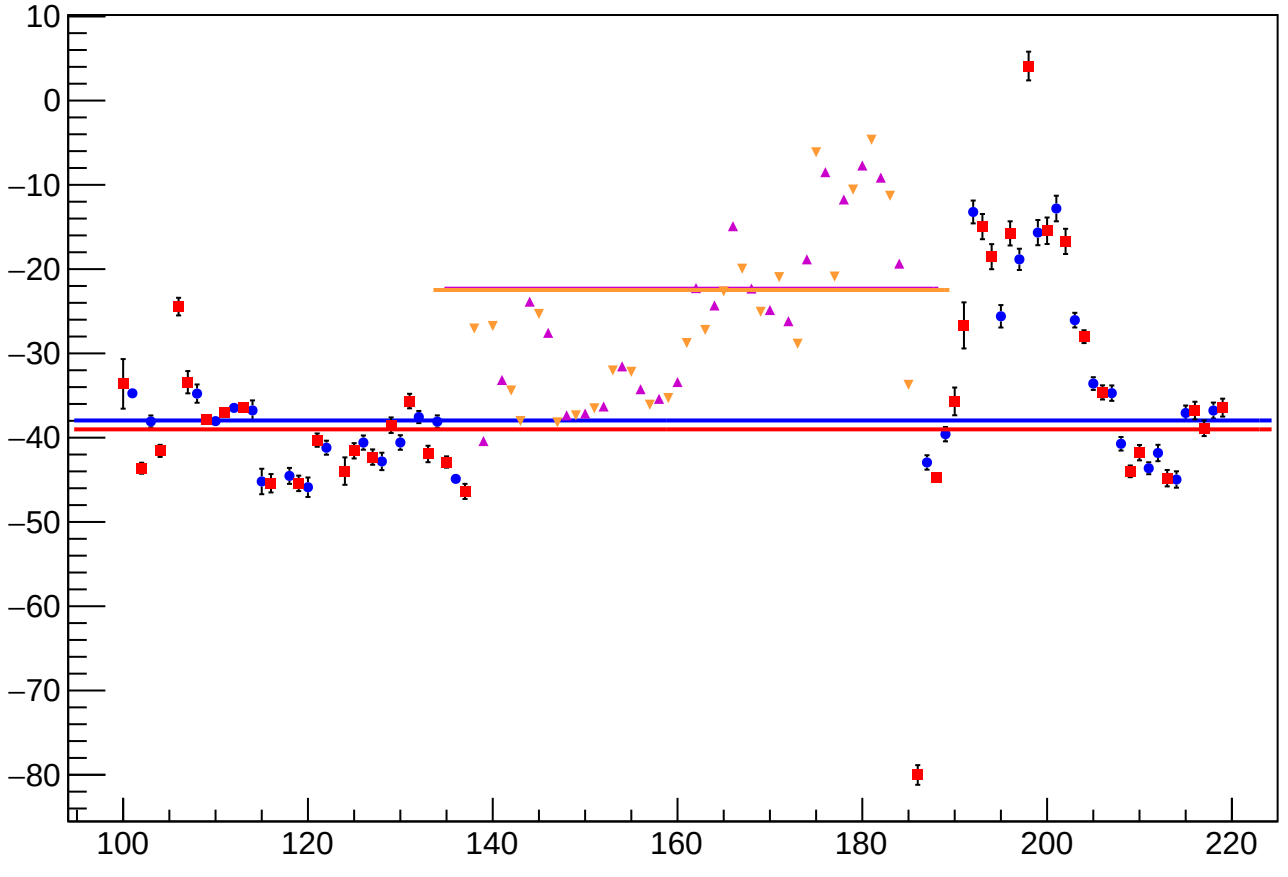
Right: 2.193+/-0.111 χ^2/NDF: 3779.0/68

In: 3.538+/-0.055 χ^2/NDF:6632.4/54

Out: 3.703+/-0.054 χ^2/NDF:9104.9/61

All: 3.623+/-0.039 χ^2/NDF: 15741.9/116

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -37.957+/-0.144 χ^2/NDF: 2043.4/31

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -39.015+/-0.141 χ^2/NDF: 4145.8/36

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

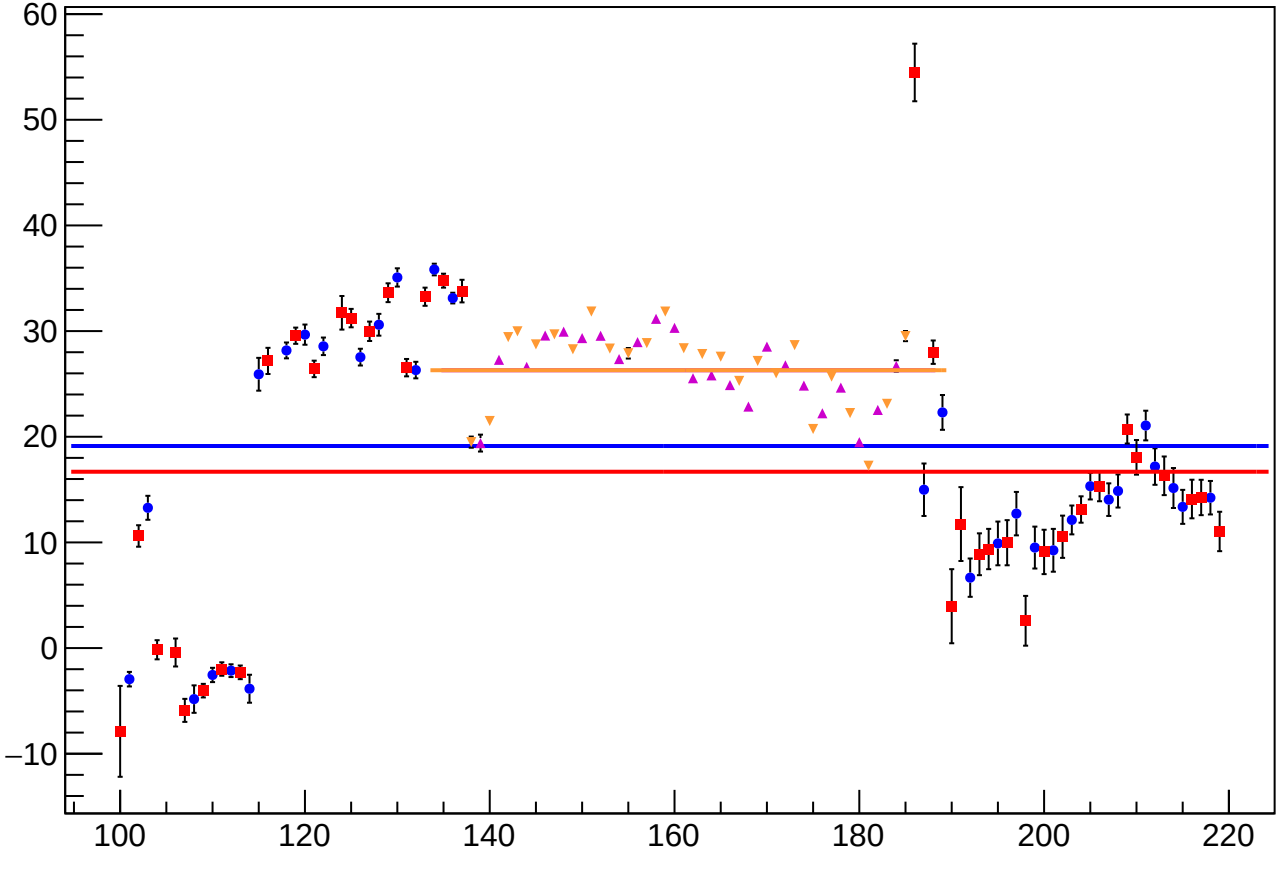
Right: -38.495+/-0.101 χ^2/NDF: 6216.8/68

In: -25.782+/-0.068 χ^2/NDF:28402.2/54

Out: -26.102+/-0.066 χ^2/NDF:35280.4/61

All: -25.946+/-0.047 χ^2/NDF: 63694.1/116

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.125+/-0.177 χ^2/NDF: 6925.8/31

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.689+/-0.180 χ^2/NDF: 7181.6/36

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

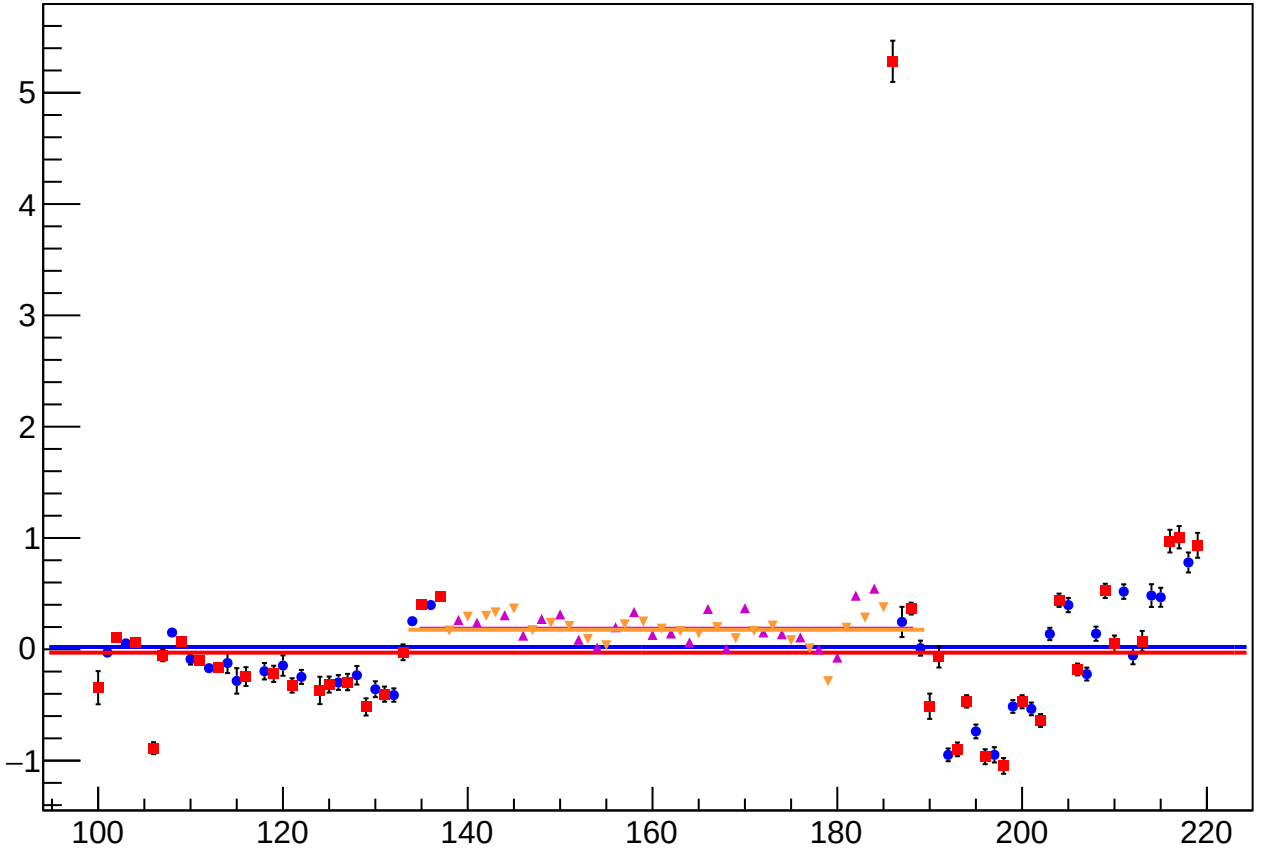
Right: 17.930+/-0.126 χ^2/NDF: 14200.8/68

In: 25.398+/-0.062 χ^2/NDF:10554.2/54

Out: 25.184+/-0.061 χ^2/NDF:13011.0/61

All: 25.289+/-0.044 χ^2/NDF: 23571.2/116

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.009 χ^2/NDF: 1663.2/31

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.030+/-0.009 χ^2/NDF: 3000.7/36

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

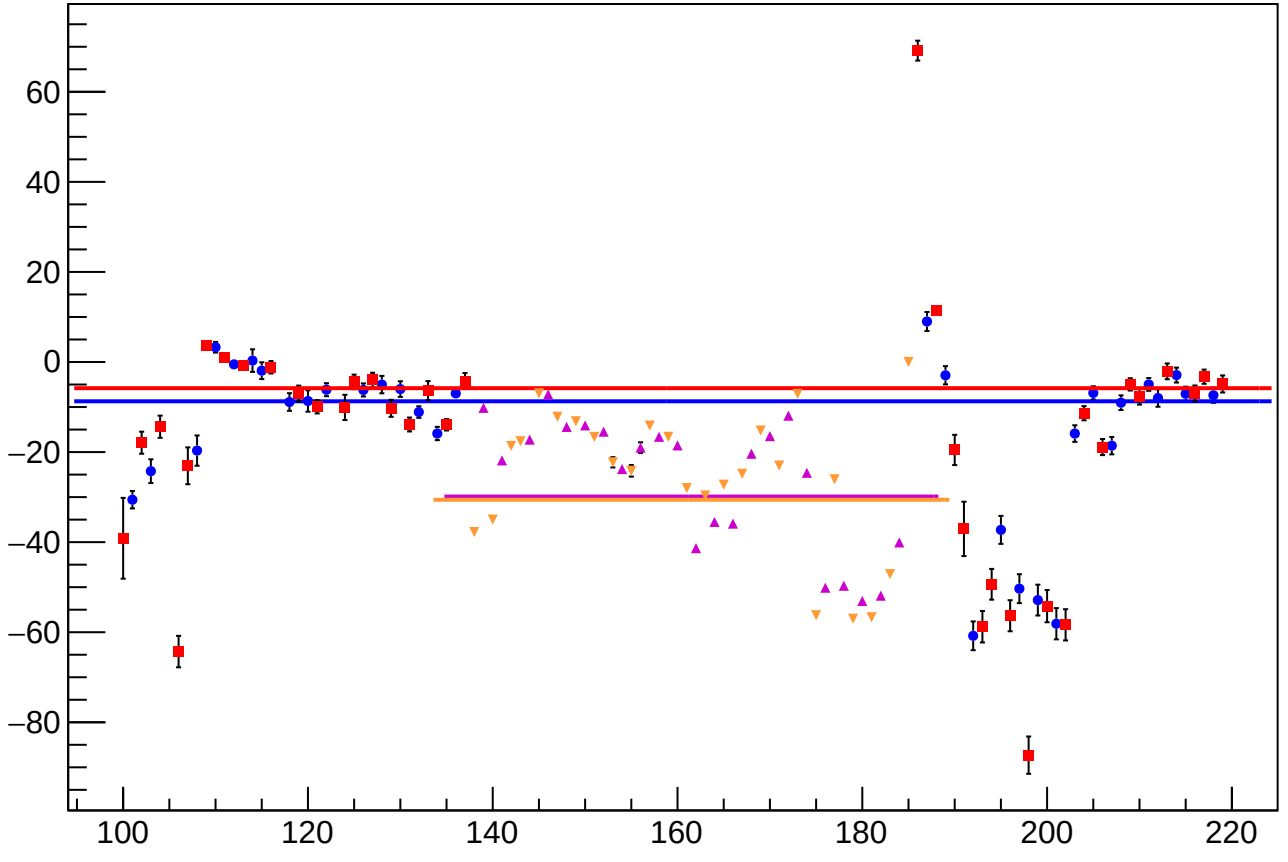
Right: -0.004+/-0.006 χ^2/NDF: 4679.8/68

In: 0.168+/-0.003 χ^2/NDF:4511.1/54

Out: 0.157+/-0.003 χ^2/NDF:5392.3/61

All: 0.162+/-0.002 χ^2/NDF: 9912.0/116

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.722+/-0.297 χ^2/NDF: 1444.8/31

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.813+/-0.291 χ^2/NDF: 3515.6/36

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

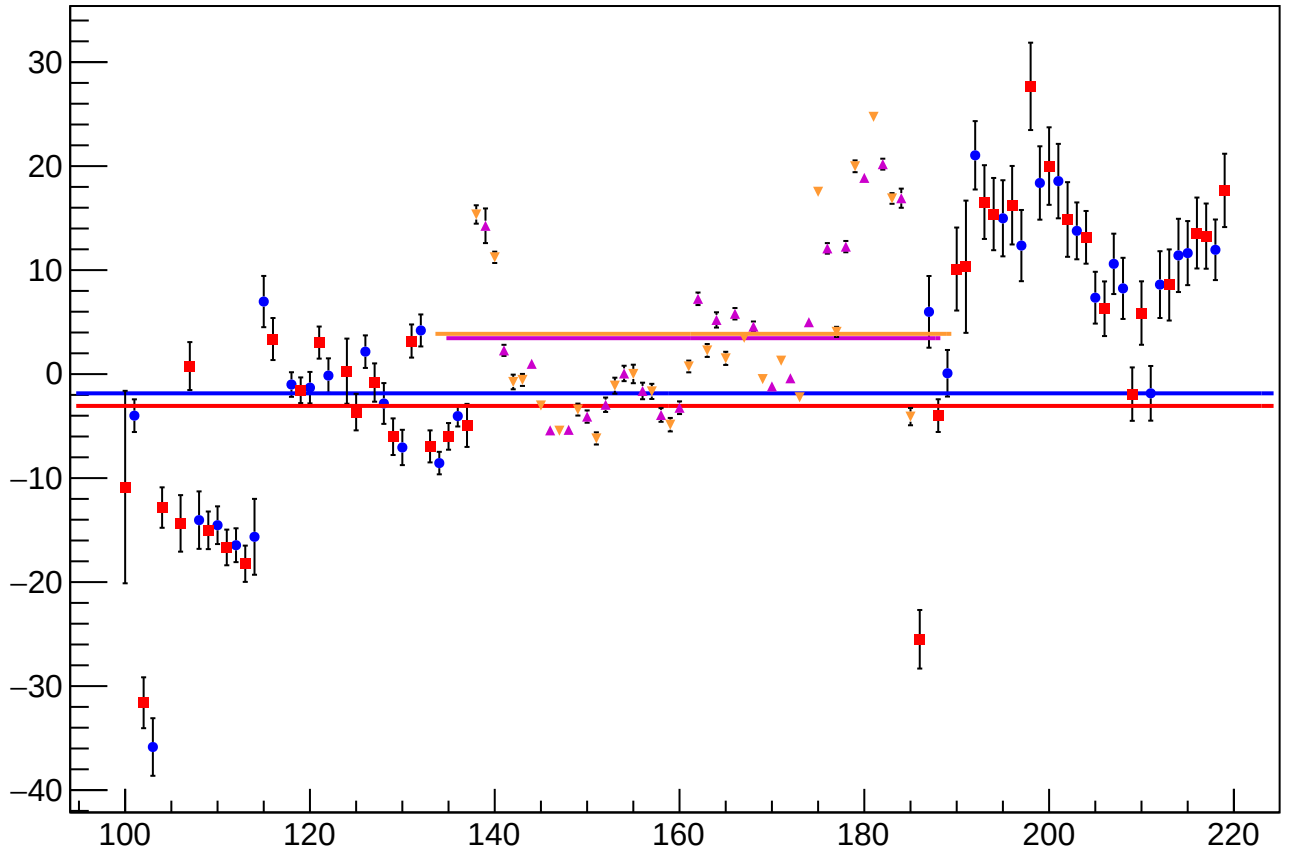
Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

Right: -7.236+/-0.208 χ^2/NDF: 5009.2/68

In: -25.757+/-0.131 χ^2/NDF:17556.9/54

Out: -25.816+/-0.128 χ^2/NDF:25412.9/61

All: -25.787+/-0.092 χ^2/NDF: 42969.8/116



Right In: -1.849+/-0.350 χ^2/NDF: 706.4/31

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -3.059+/-0.360 χ^2/NDF: 865.1/36

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

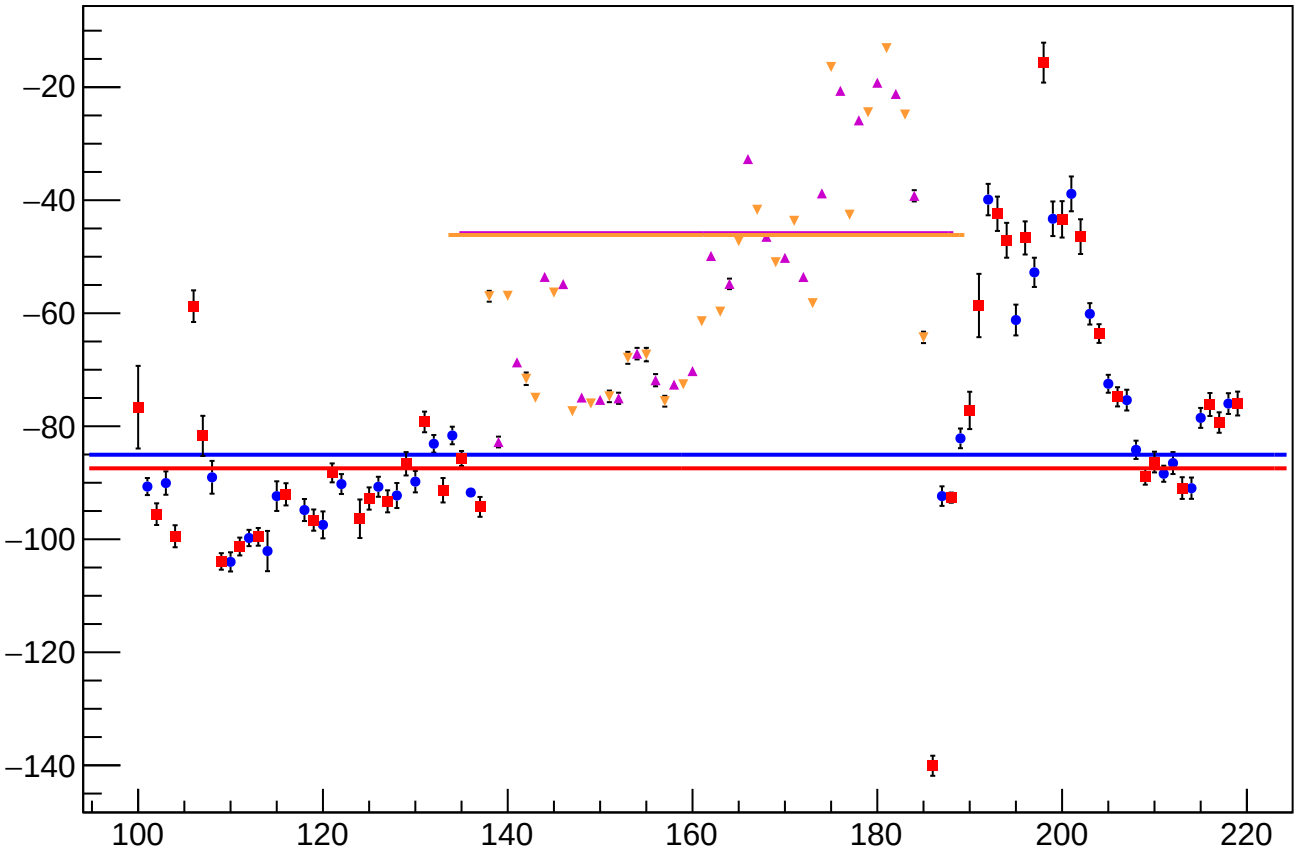
Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

Right: -2.437+/-0.251 χ^2/NDF: 1577.3/68

In: 2.947+/-0.108 χ^2/NDF:5607.8/54

Out: 3.268+/-0.106 χ^2/NDF:7746.3/61

All: 3.110+/-0.076 χ^2/NDF: 13358.6/116



Right In: -85.039+/-0.318 χ^2/NDF: 1681.4/31

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -87.445+/-0.316 χ^2/NDF: 3179.6/36

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

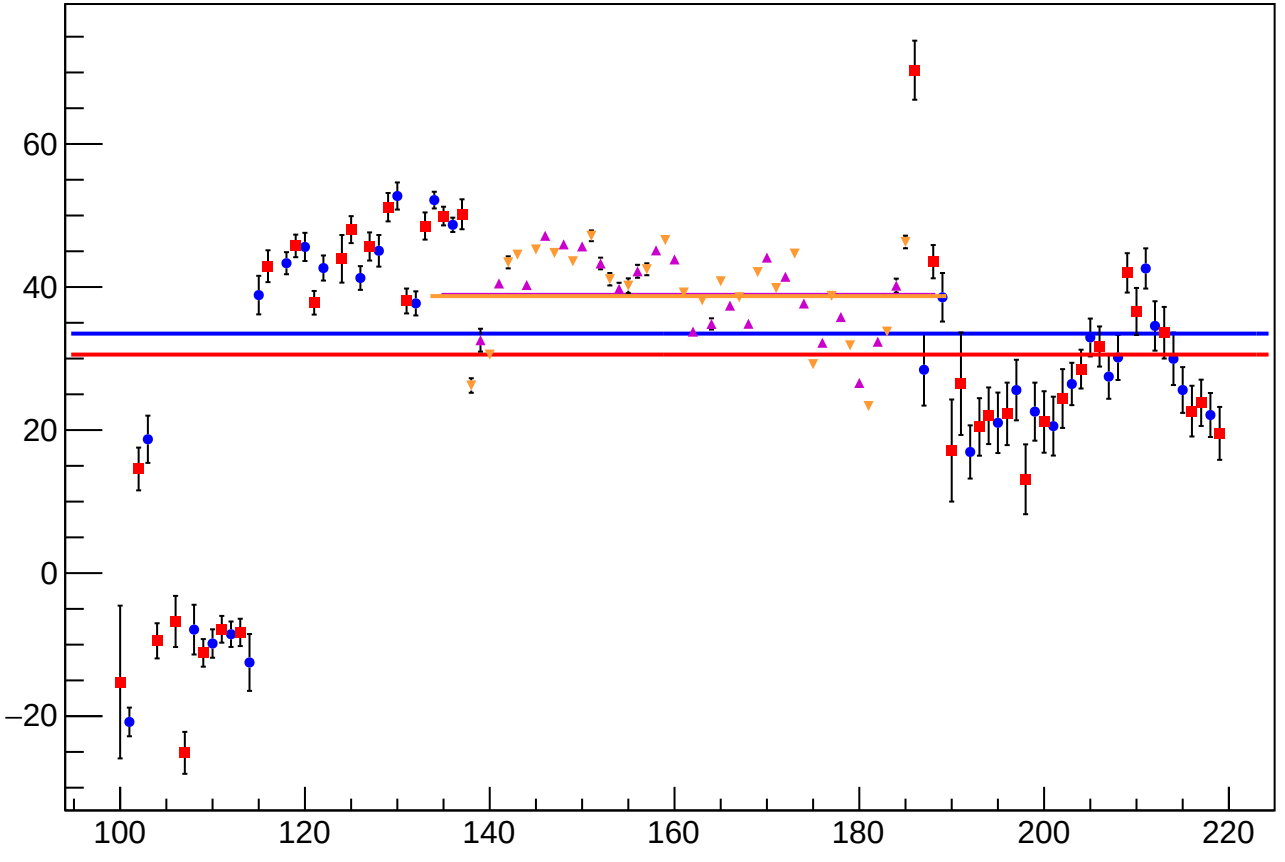
Right: -86.253+/-0.224 χ^2/NDF: 4889.8/68

In: -52.646+/-0.133 χ^2/NDF:32135.0/54

Out: -53.141+/-0.130 χ^2/NDF:38862.4/61

All: -52.899+/-0.093 χ^2/NDF: 71004.5/116

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 33.488+/-0.392 χ^2/NDF: 2911.1/31

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.556+/-0.408 χ^2/NDF: 3114.0/36

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

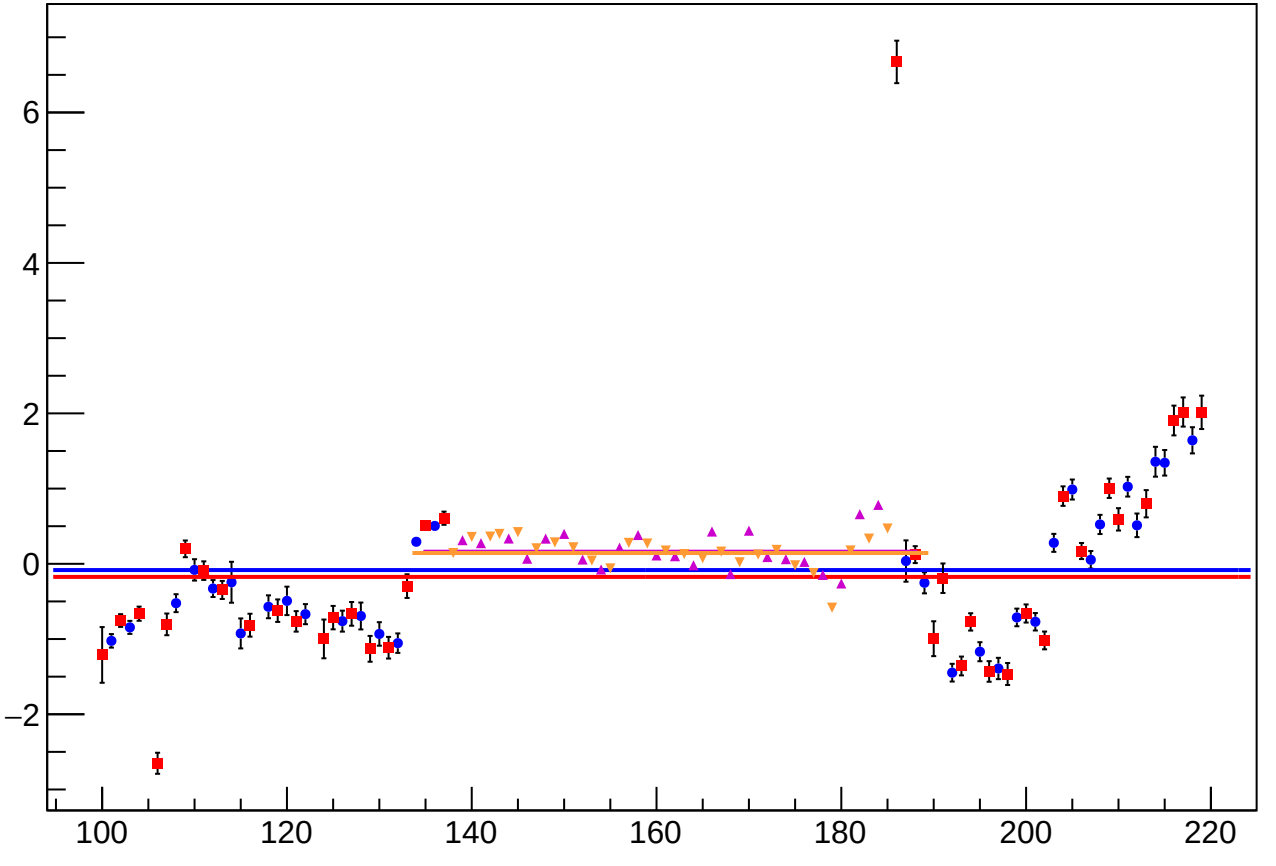
Right: 32.080+/-0.283 χ^2/NDF: 6052.0/68

In: 38.387+/-0.121 χ^2/NDF:5055.3/54

Out: 38.033+/-0.119 χ^2/NDF:6263.1/61

All: 38.207+/-0.085 χ^2/NDF: 11322.7/116

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.083+/-0.020 χ^2/NDF: 1395.5/31

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.174+/-0.021 χ^2/NDF: 2341.6/36

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

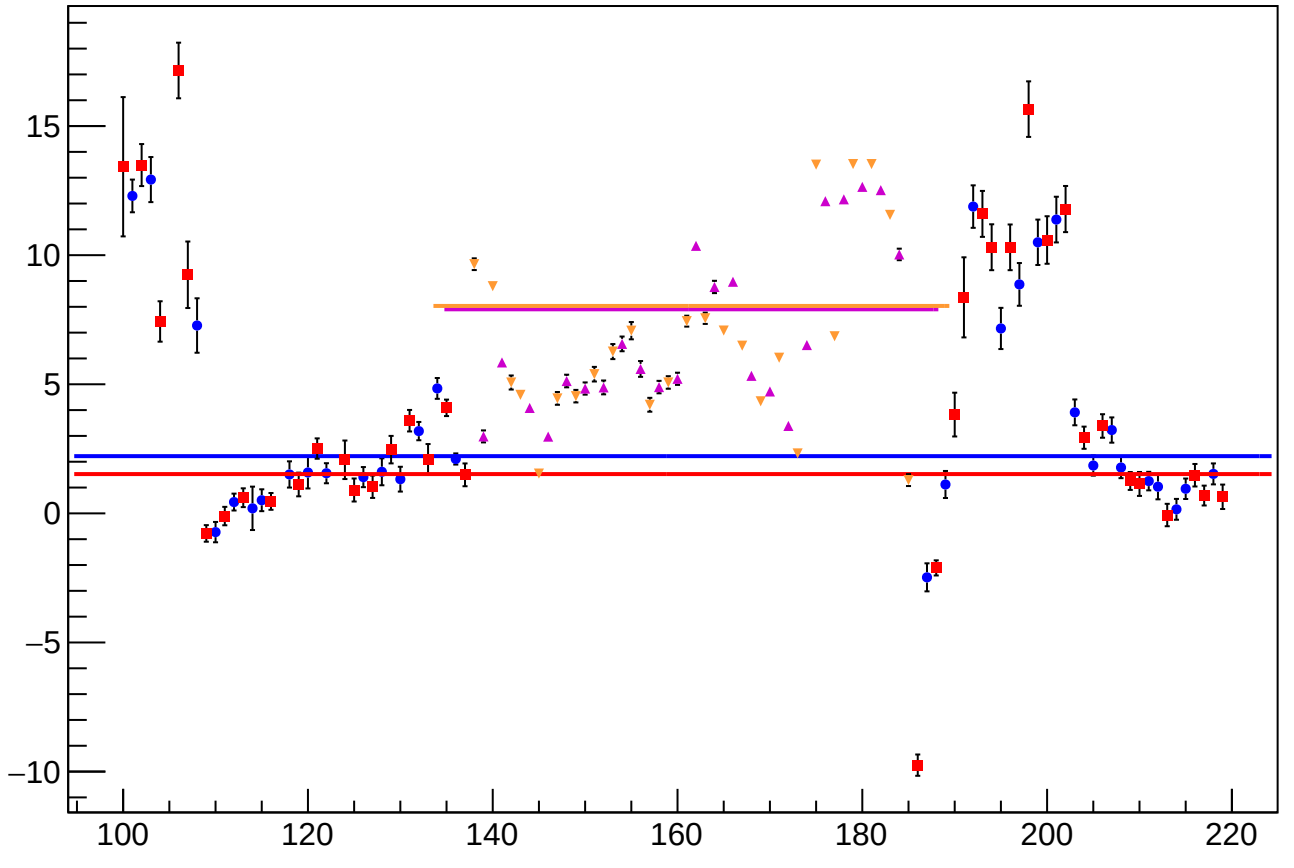
Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

Right: -0.126+/-0.014 χ^2/NDF: 3747.2/68

In: 0.142+/-0.005 χ^2/NDF:3456.6/54

Out: 0.122+/-0.005 χ^2/NDF:4002.1/61

All: 0.132+/-0.004 χ^2/NDF: 7465.5/116



Right In: 2.217+/-0.080 χ^2/NDF: 1185.3/31

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.522+/-0.079 χ^2/NDF: 2435.7/36

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

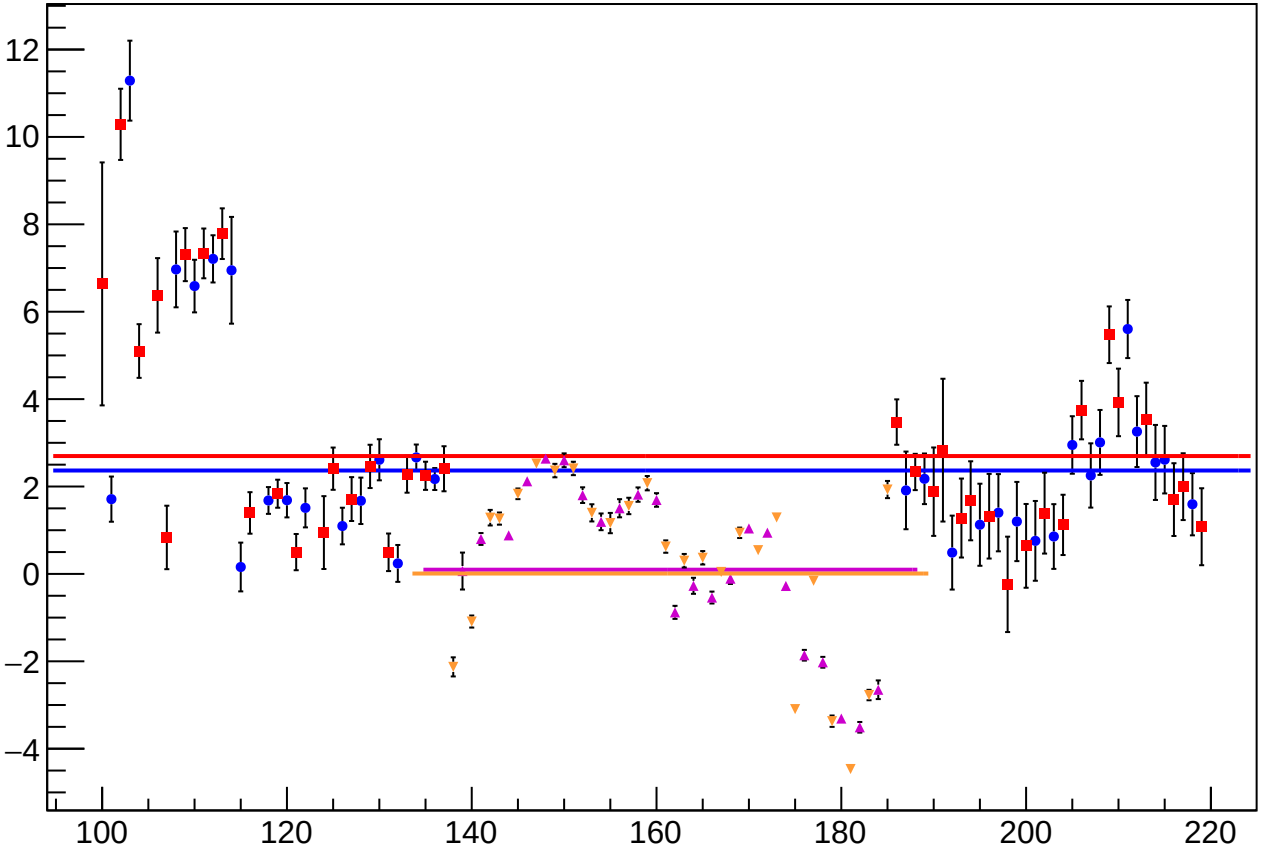
Right: 1.863+/-0.056 χ^2/NDF: 3659.3/68

In: 6.956+/-0.033 χ^2/NDF:15405.6/54

Out: 6.973+/-0.032 χ^2/NDF:22087.4/61

All: 6.965+/-0.023 χ^2/NDF: 37493.2/116

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.366+/-0.094 χ^2/NDF: 378.9/31

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.697+/-0.097 χ^2/NDF: 469.9/36

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

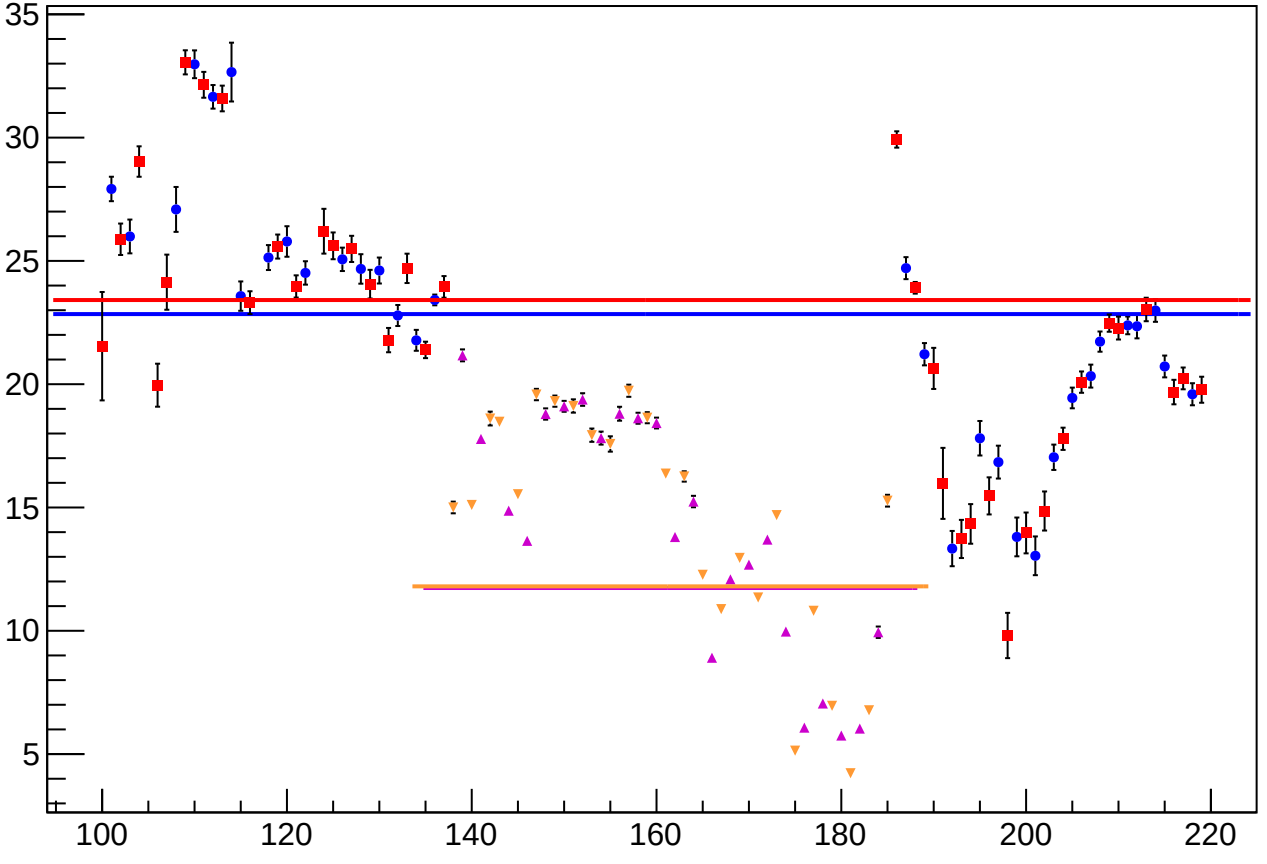
Right: 2.527+/-0.068 χ^2/NDF: 854.8/68

In: 0.281+/-0.027 χ^2/NDF:5343.5/54

Out: 0.208+/-0.026 χ^2/NDF:6941.4/61

All: 0.244+/-0.019 χ^2/NDF: 12288.6/116

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 22.843+/-0.085 χ^2/NDF: 1926.8/31

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 23.413+/-0.084 χ^2/NDF: 2819.8/36

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

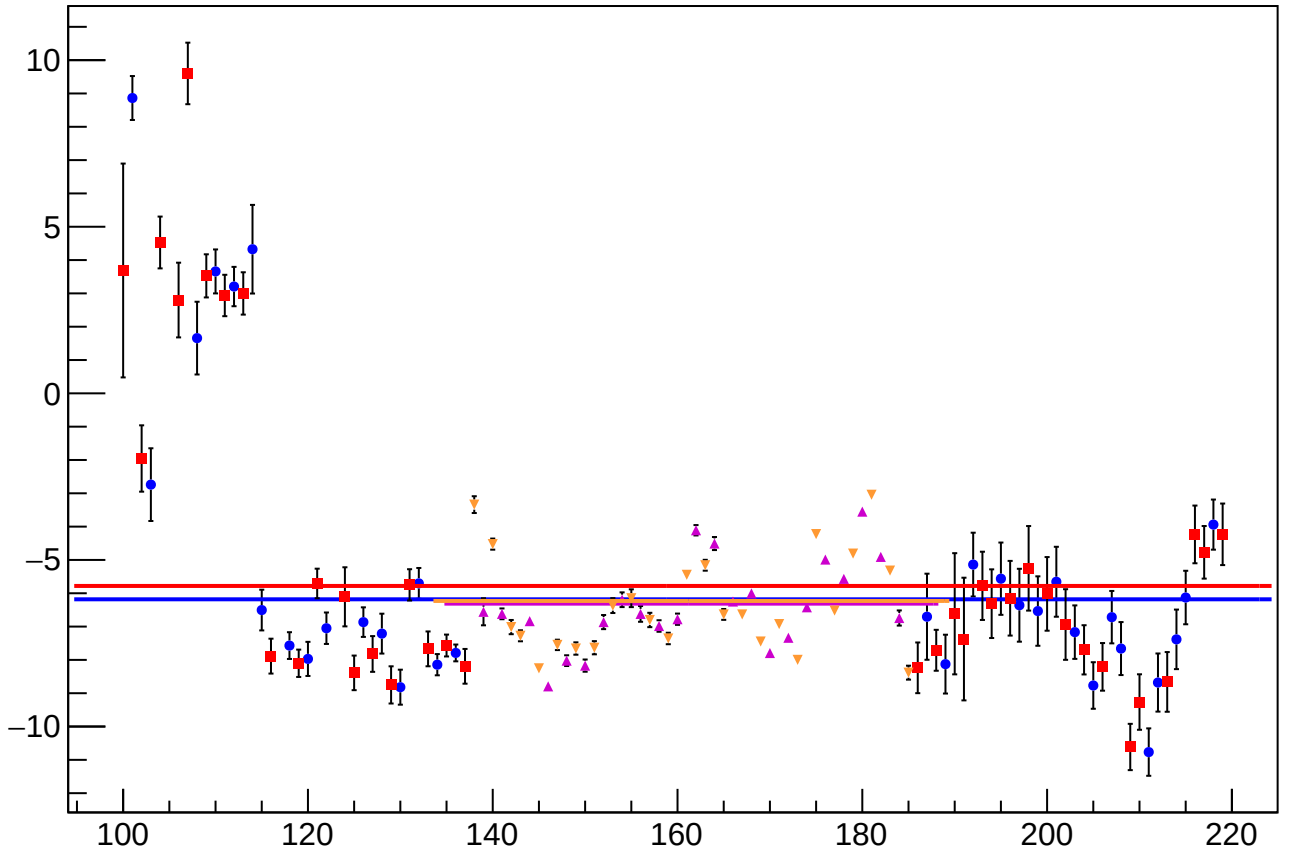
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 23.133+/-0.060 χ^2/NDF: 4769.5/68

In: 13.411+/-0.033 χ^2/NDF:34446.1/54

Out: 13.523+/-0.032 χ^2/NDF:40760.4/61

All: 13.469+/-0.023 χ^2/NDF: 75212.5/116



Right In: -6.182+/-0.106 χ^2/NDF: 1344.3/31

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.781+/-0.110 χ^2/NDF: 1435.7/36

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

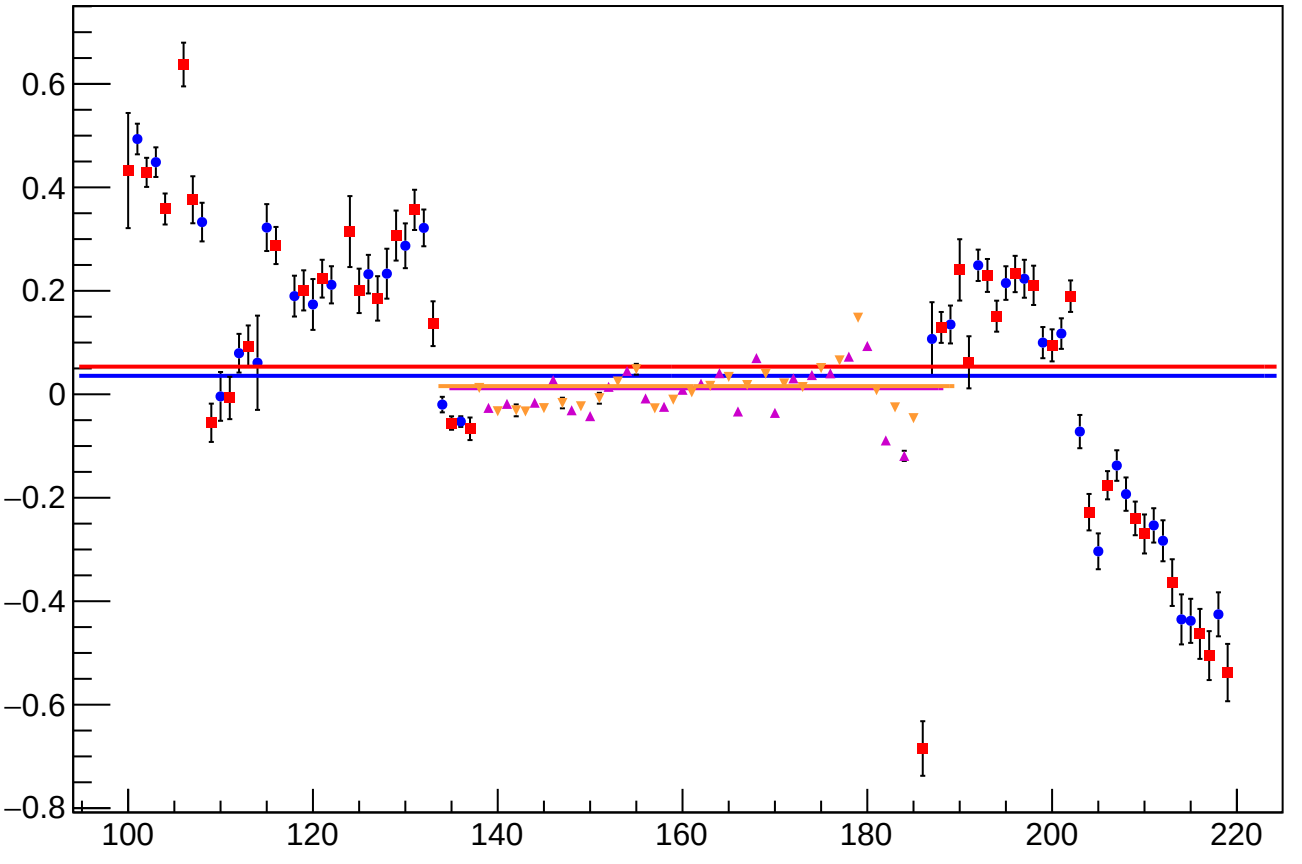
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.990+/-0.076 χ^2/NDF: 2786.9/68

In: -6.301+/-0.030 χ^2/NDF:3375.8/54

Out: -6.198+/-0.030 χ^2/NDF:3901.2/61

All: -6.248+/-0.021 χ^2/NDF: 7282.9/116



Right In: 0.036+/-0.005 χ^2/NDF: 1625.5/31

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.053+/-0.006 χ^2/NDF: 1914.9/36

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

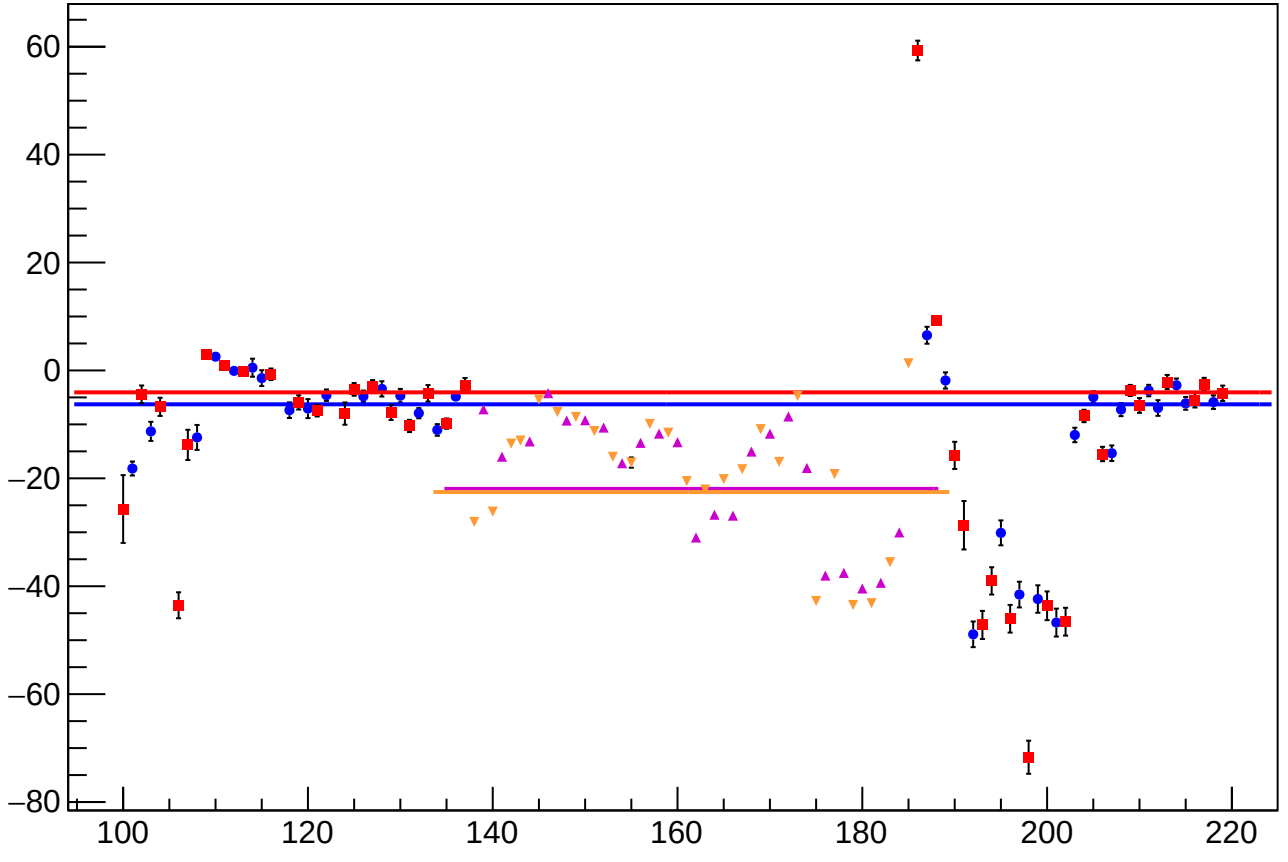
Right: 0.044+/-0.004 χ^2/NDF: 3545.7/68

In: 0.013+/-0.001 χ^2/NDF:2942.4/54

Out: 0.018+/-0.001 χ^2/NDF:2891.0/61

All: 0.016+/-0.001 χ^2/NDF: 5839.4/116

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.280+/-0.216 χ^2/NDF: 1617.8/31

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -4.062+/-0.210 χ^2/NDF: 3915.4/36

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

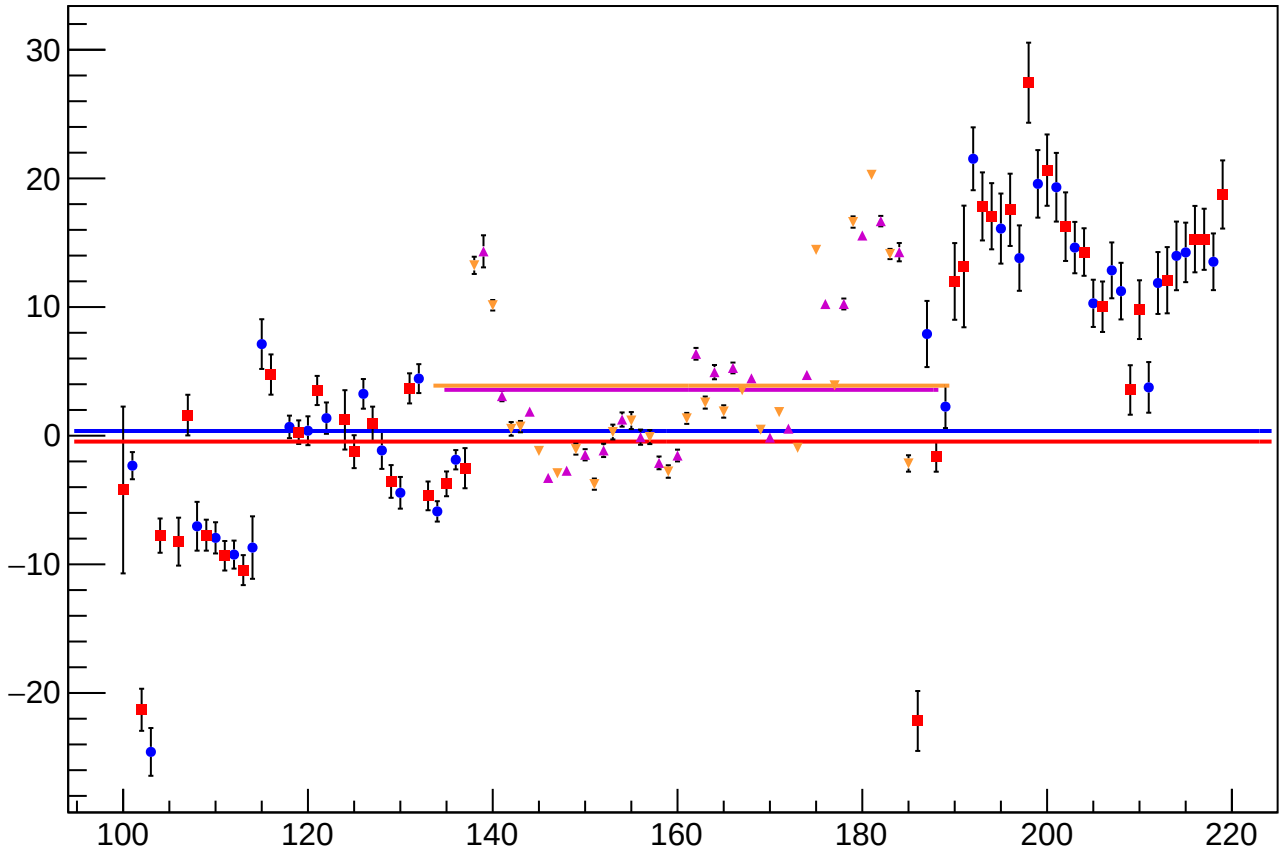
Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

Right: -5.141+/-0.151 χ^2/NDF: 5587.5/68

In: -18.671+/-0.099 χ^2/NDF:18371.5/54

Out: -18.670+/-0.096 χ^2/NDF:26570.5/61

All: -18.671+/-0.069 χ^2/NDF: 44942.0/116



Right In: 0.365+/-0.255 χ^2/NDF: 972.0/31

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -0.457+/-0.261 χ^2/NDF: 1154.4/36

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

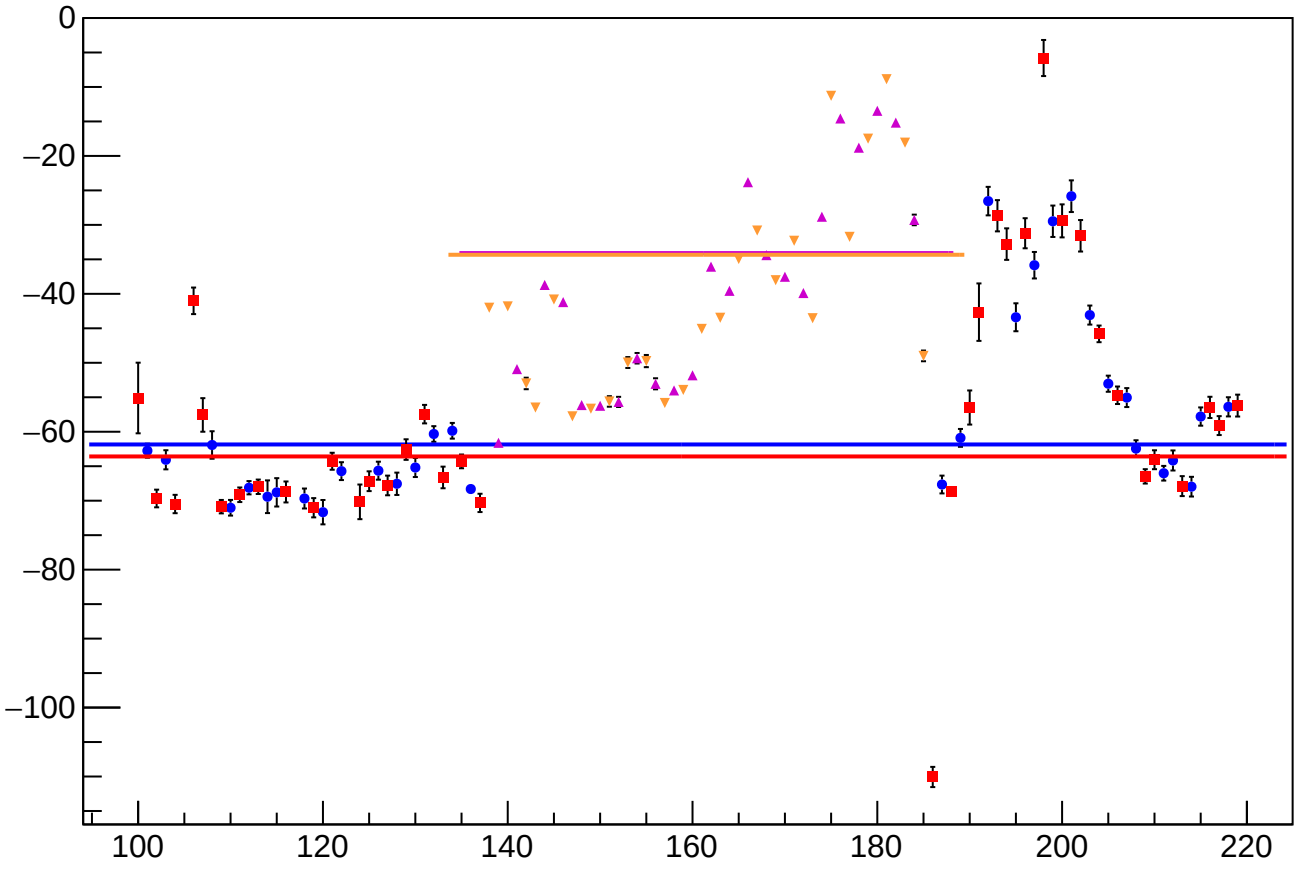
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -0.036+/-0.182 χ^2/NDF: 2131.6/68

In: 3.236+/-0.082 χ^2/NDF:5853.2/54

Out: 3.480+/-0.080 χ^2/NDF:8130.5/61

All: 3.360+/-0.057 χ^2/NDF: 13988.2/116



Right In: -61.845+/-0.232 χ^2/NDF: 1685.0/31

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -63.584+/-0.230 χ^2/NDF: 3371.6/36

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

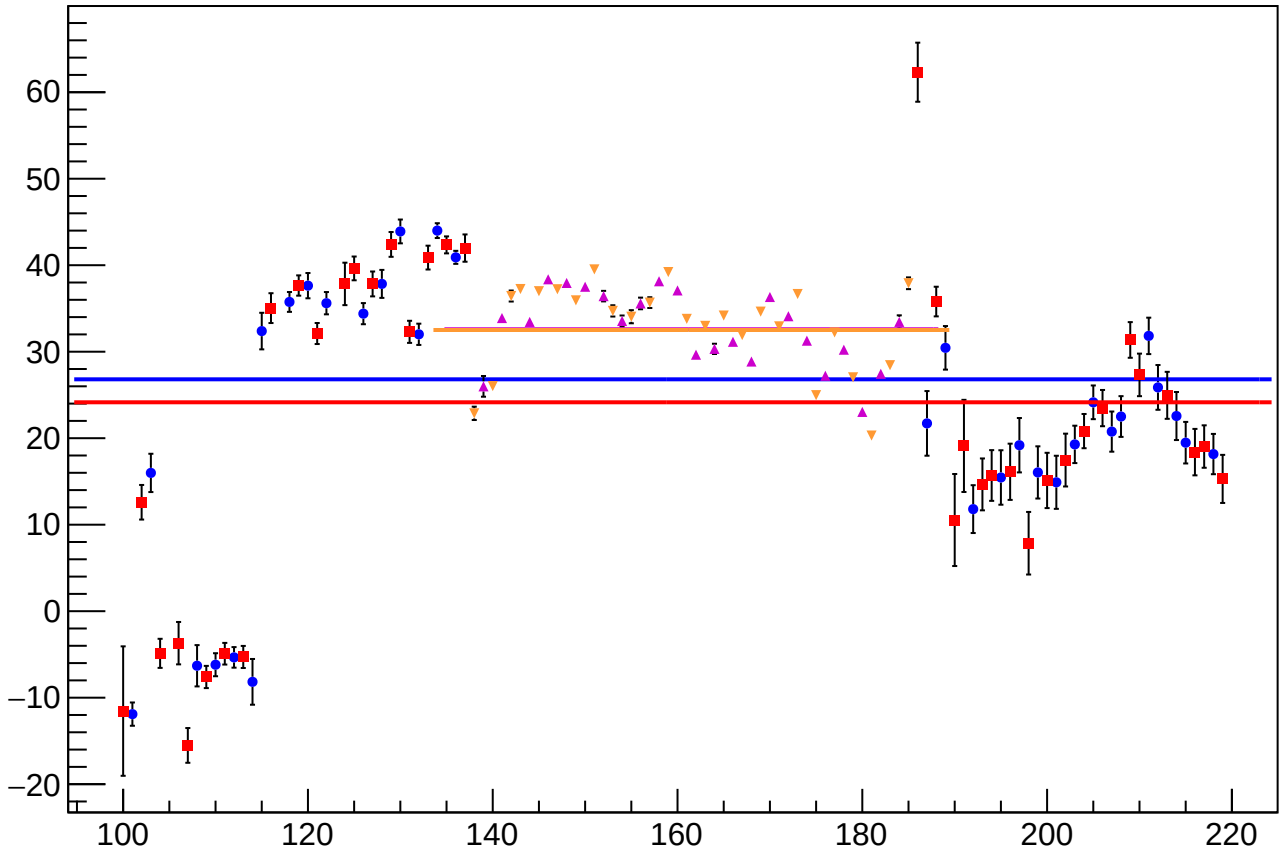
Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

Right: -62.723+/-0.163 χ^2/NDF: 5084.8/68

In: -39.246+/-0.100 χ^2/NDF:31032.8/54

Out: -39.639+/-0.098 χ^2/NDF:37810.6/61

All: -39.447+/-0.070 χ^2/NDF: 68851.3/116



Right In: 26.808+/-0.286 χ^2/NDF: 3879.7/31

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.152+/-0.296 χ^2/NDF: 4113.8/36

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

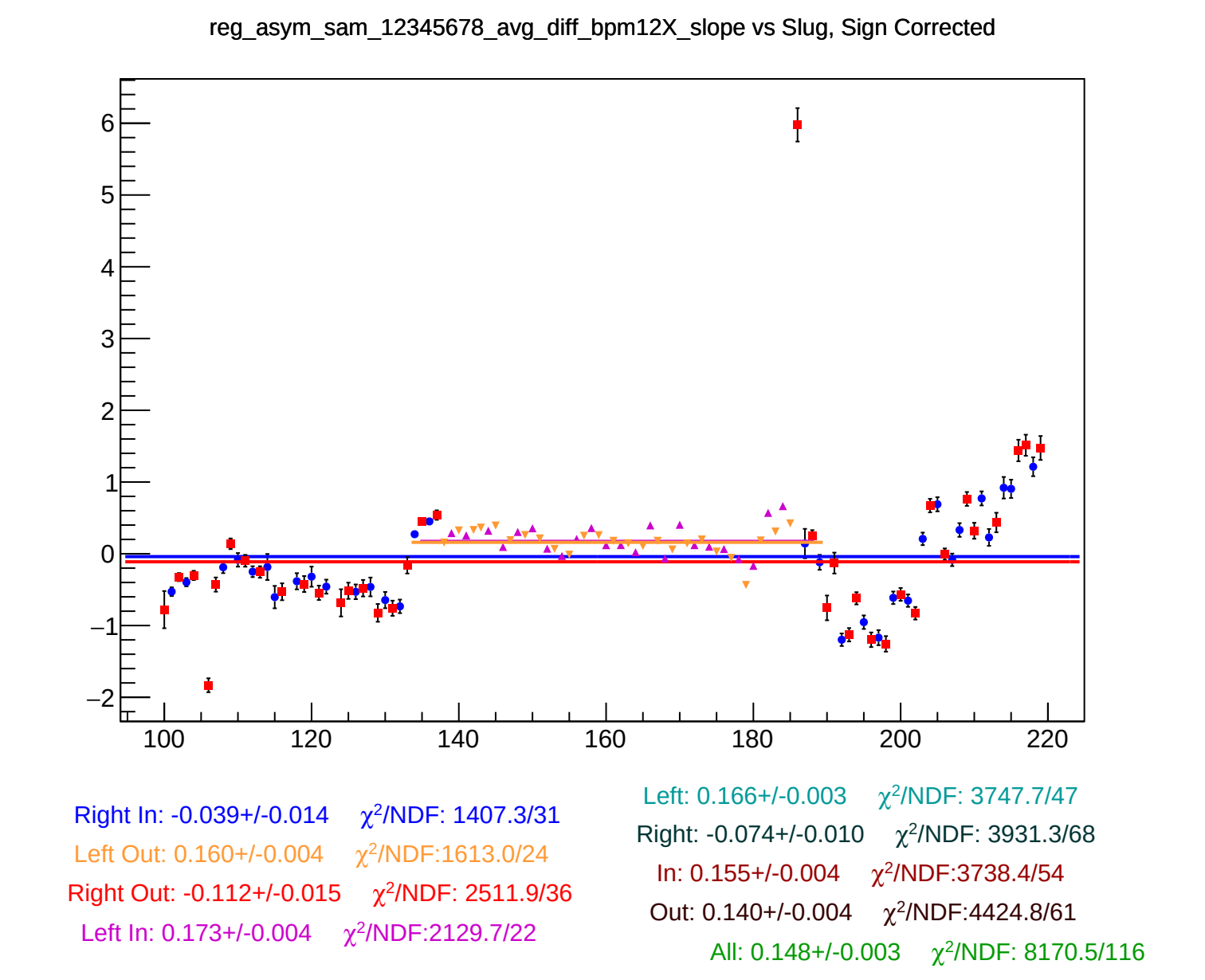
Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

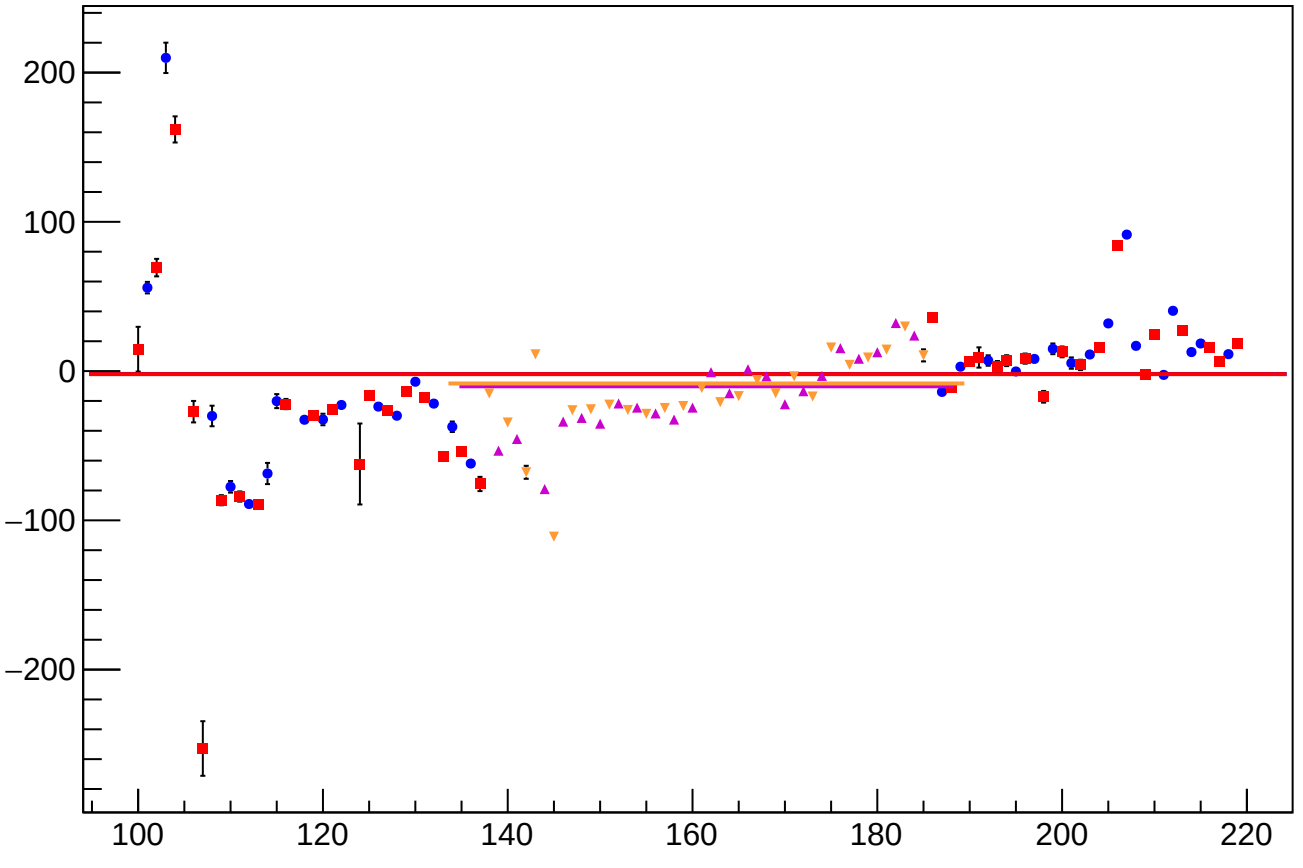
Right: 25.526+/-0.205 χ^2/NDF: 8035.2/68

In: 32.002+/-0.092 χ^2/NDF:6261.1/54

Out: 31.736+/-0.090 χ^2/NDF:7776.6/61

All: 31.867+/-0.064 χ^2/NDF: 14042.0/116


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: -0.039+/-0.014 χ2/NDF: 1407.3/31
Left Out: 0.160+/-0.004 χ2/NDF:1613.0/24
Right Out: -0.112+/-0.015 χ2/NDF: 2511.9/36
Left In: 0.173+/-0.004 χ2/NDF:2129.7/22
Left: 0.166+/-0.003 χ2/NDF: 3747.7/47
Right: -0.074+/-0.010 χ2/NDF: 3931.3/68
In: 0.155+/-0.004 χ2/NDF:3738.4/54
Out: 0.140+/-0.004 χ2/NDF:4424.8/61
All: 0.148+/-0.003 χ2/NDF: 8170.5/116



Right In: -1.930+/-0.502 χ^2/NDF: 5075.3/31

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -2.040+/-0.467 χ^2/NDF: 6023.0/36

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

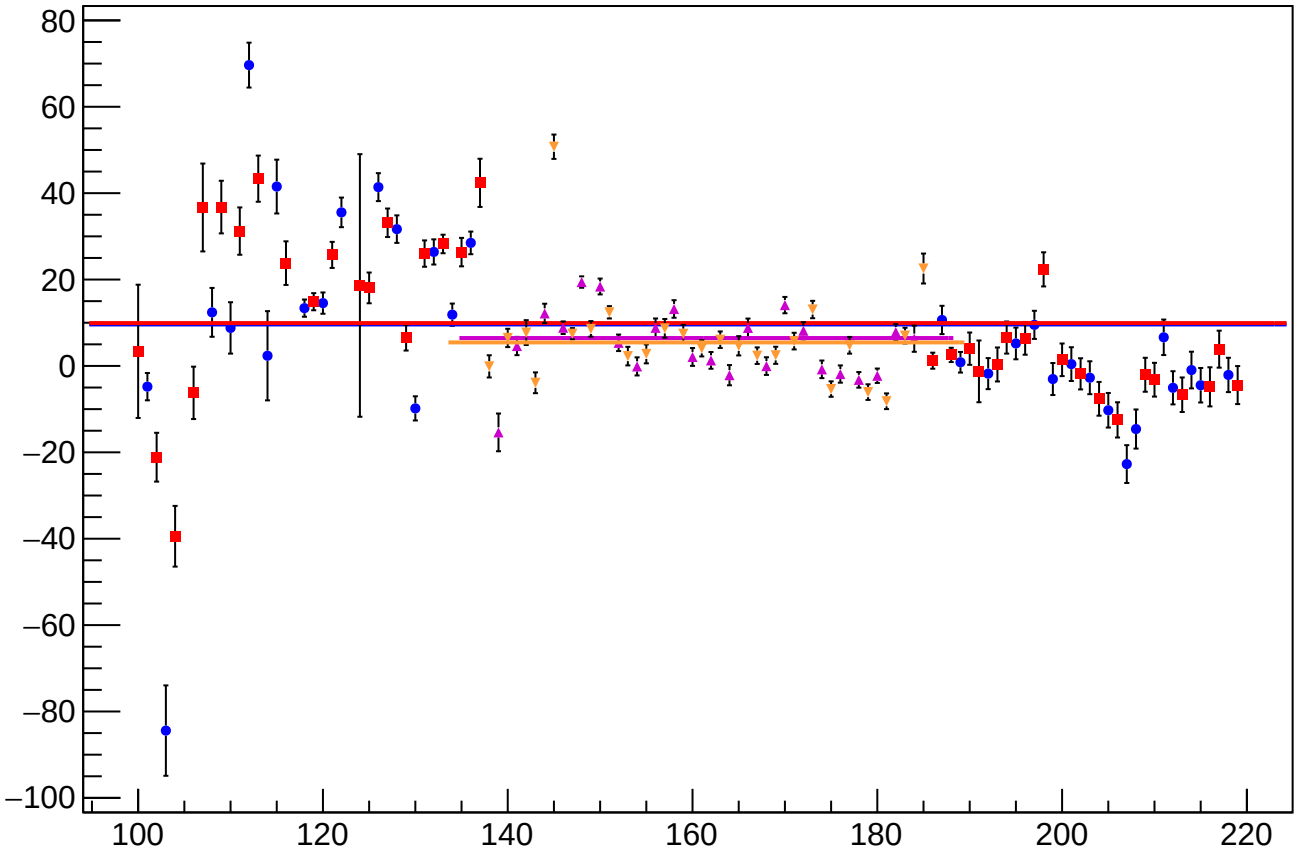
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -1.989+/-0.342 χ^2/NDF: 11098.3/68

In: -5.859+/-0.363 χ^2/NDF:7722.6/54

Out: -4.874+/-0.346 χ^2/NDF:8663.8/61

All: -5.342+/-0.250 χ^2/NDF: 16390.2/116



Right In: 9.605+/-0.612 χ^2/NDF: 808.0/31

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 9.923+/-0.581 χ^2/NDF: 615.5/36

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

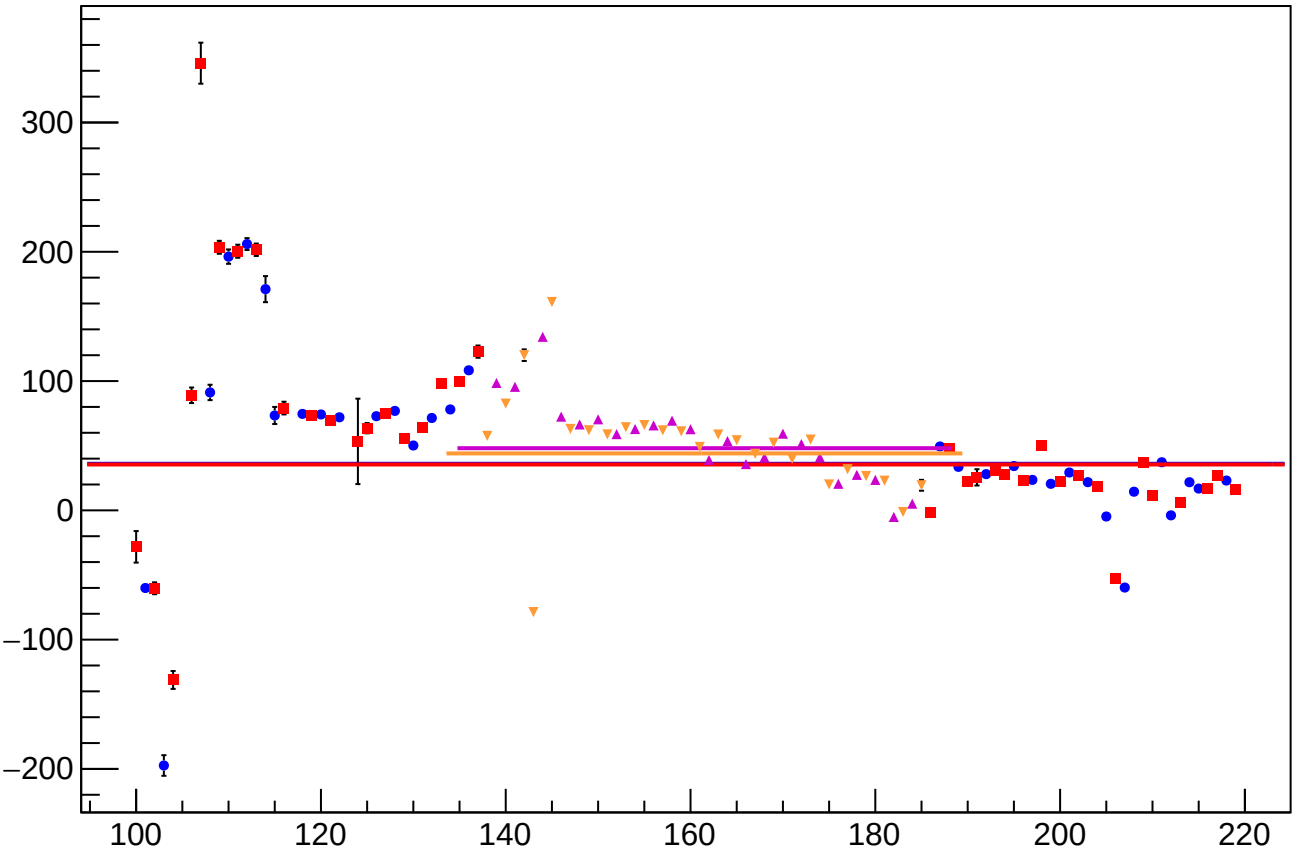
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 9.773+/-0.421 χ^2/NDF: 1423.6/68

In: 7.429+/-0.339 χ^2/NDF:1162.2/54

Out: 6.856+/-0.326 χ^2/NDF:1149.9/61

All: 7.131+/-0.235 χ^2/NDF: 2313.6/116



Right In: 36.010+/-0.504 χ^2/NDF: 8375.3/31

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 35.479+/-0.453 χ^2/NDF: 9446.8/36

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

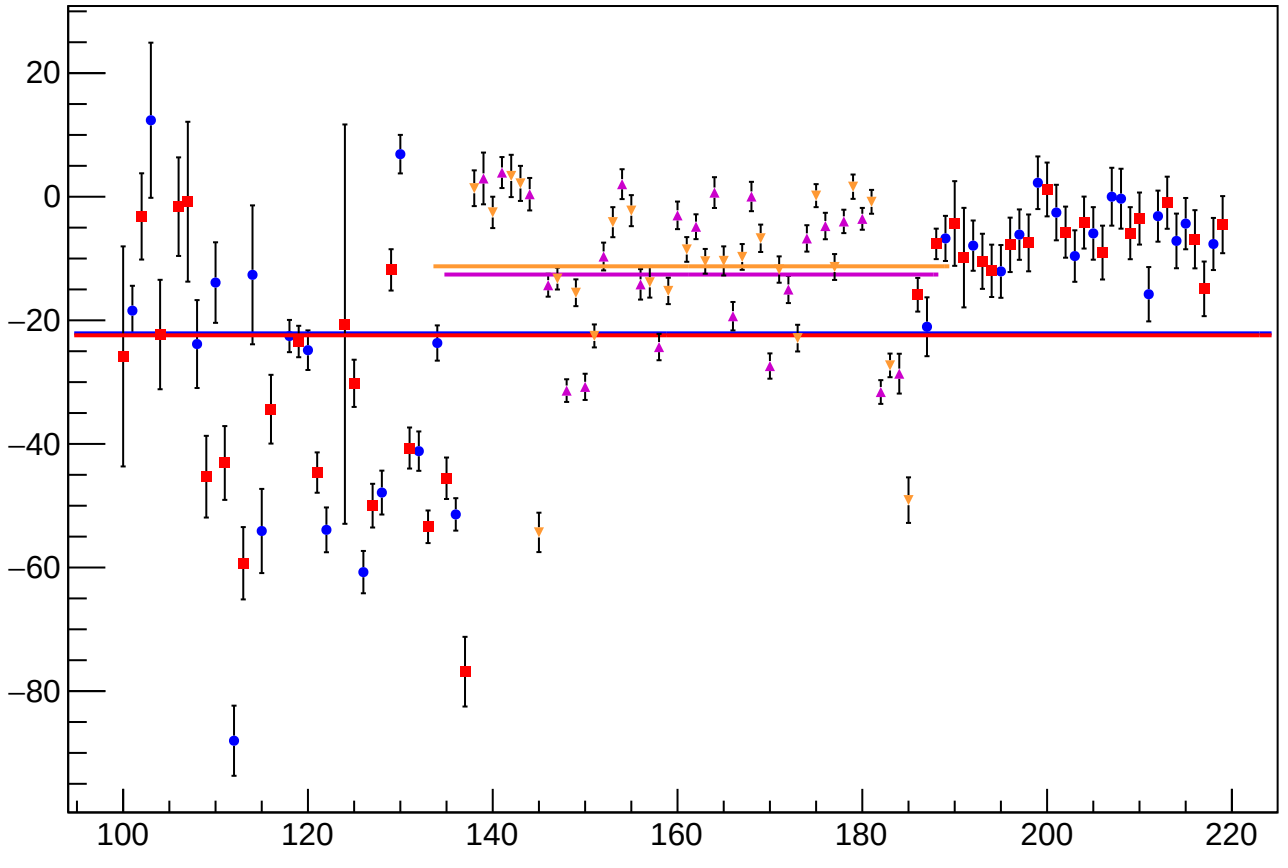
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 35.716+/-0.337 χ^2/NDF: 17822.8/68

In: 41.841+/-0.362 χ^2/NDF:12028.8/54

Out: 39.252+/-0.339 χ^2/NDF:14168.3/61

All: 40.459+/-0.247 χ^2/NDF: 26224.4/116



Right In: -22.110+/-0.707 χ^2/NDF: 905.7/31

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -22.422+/-0.692 χ^2/NDF: 766.0/36

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

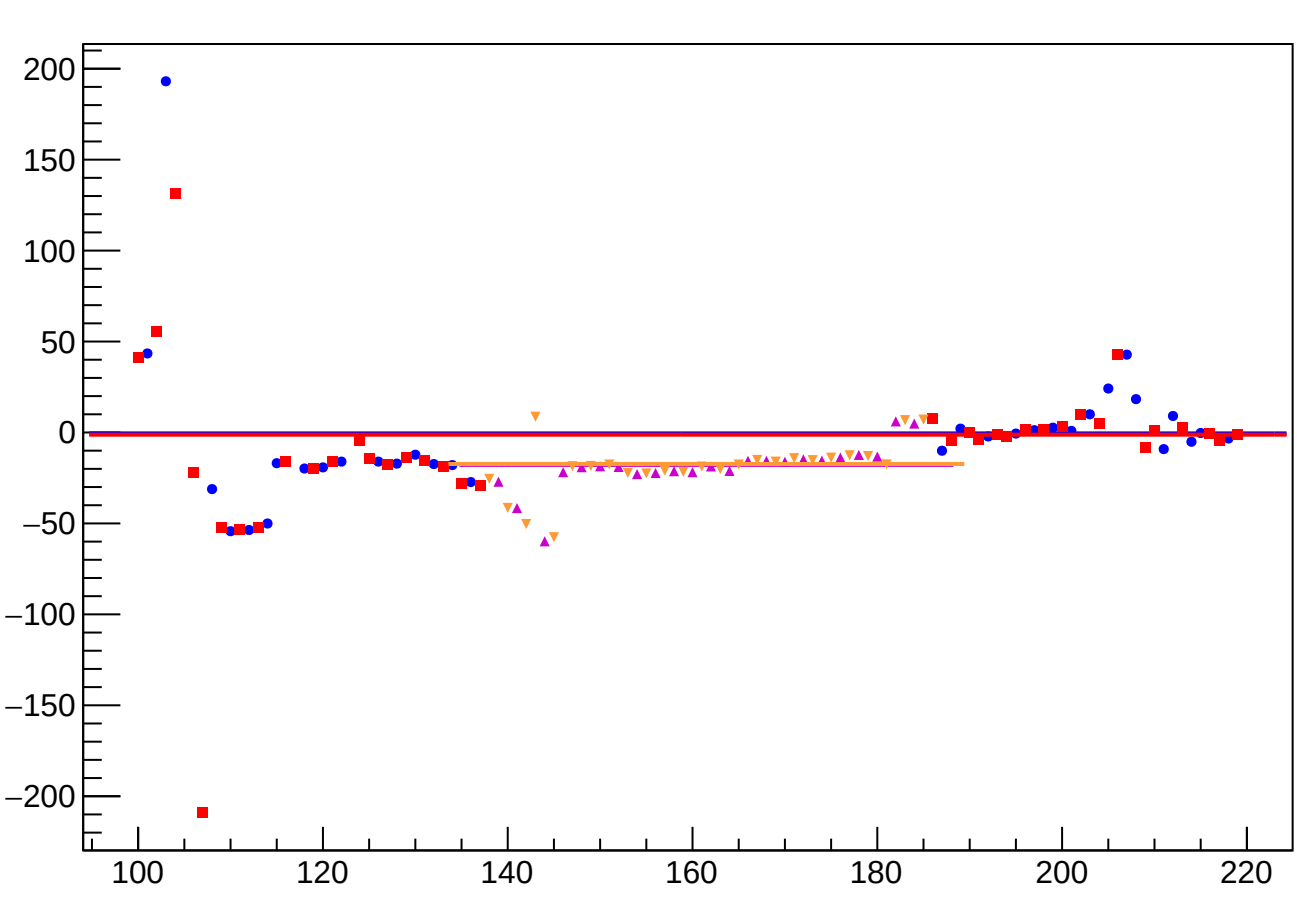
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -22.269+/-0.495 χ^2/NDF: 1671.7/68

In: -15.413+/-0.385 χ^2/NDF:1705.2/54

Out: -14.521+/-0.374 χ^2/NDF:1593.2/61

All: -14.955+/-0.268 χ^2/NDF: 3301.1/116



Right In: -0.502+/-0.033 χ^2/NDF: 648209.1/31

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -1.213+/-0.033 χ^2/NDF: 571817.9/36

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

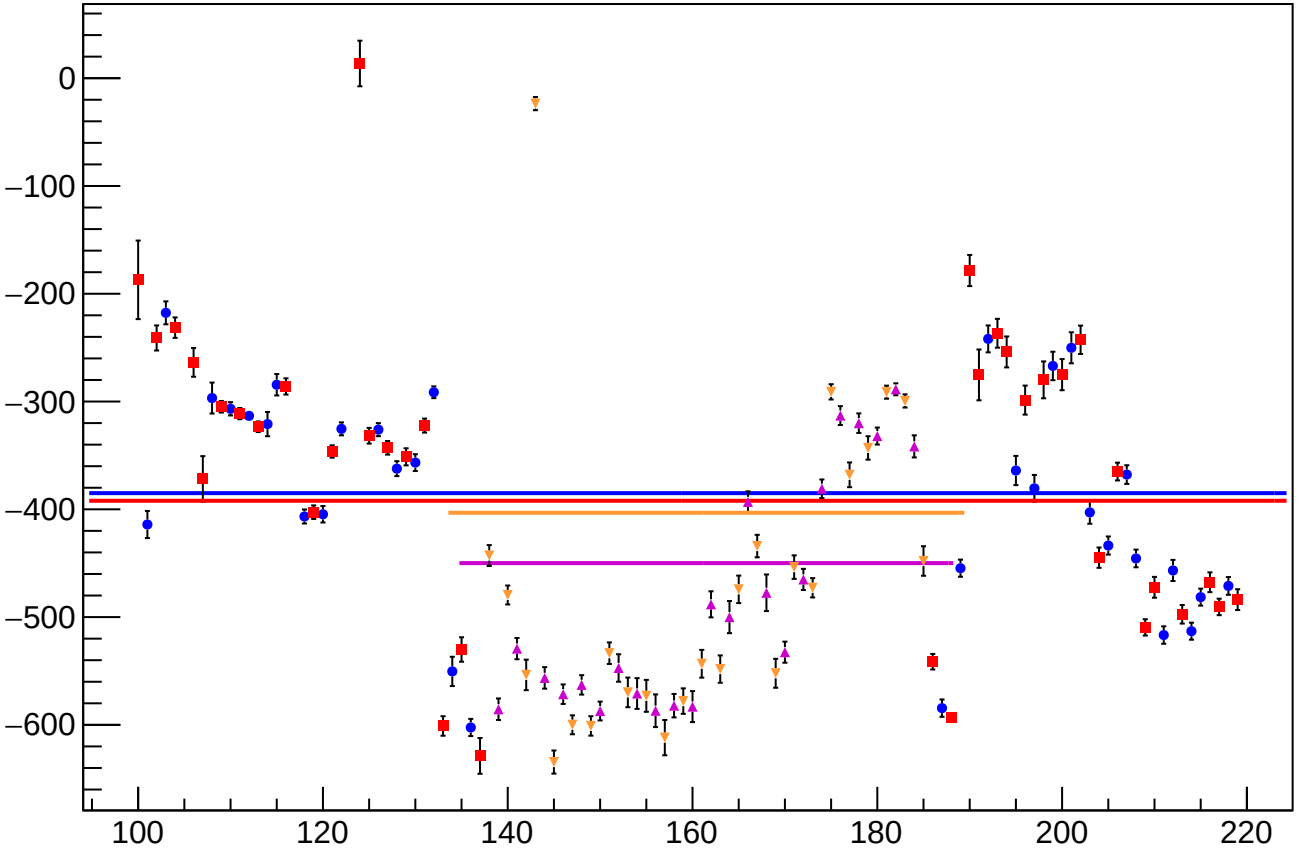
Right: -0.864+/-0.023 χ^2/NDF: 1220256.8/68

In: -13.168+/-0.017 χ^2/NDF:1111827.0/54

Out: -12.979+/-0.017 χ^2/NDF:1095543.0/61

All: -13.071+/-0.012 χ^2/NDF: 2207430.3/116

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -384.999+/-1.437 χ^2/NDF: 4182.6/31

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -392.074+/-1.360 χ^2/NDF: 7269.2/36

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

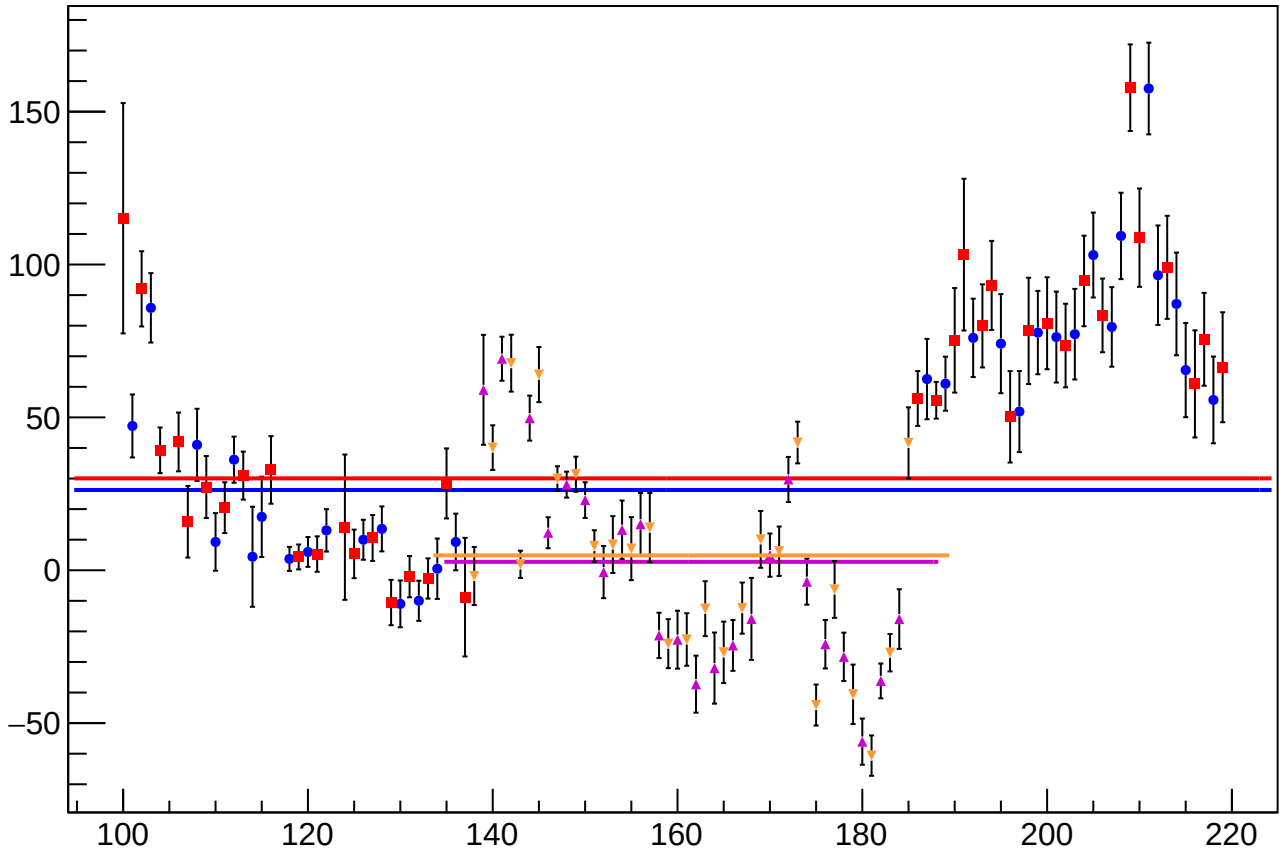
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -388.730+/-0.988 χ^2/NDF: 11464.6/68

In: -406.478+/-1.175 χ^2/NDF:8076.9/54

Out: -395.771+/-1.111 χ^2/NDF:15041.7/61

All: -400.826+/-0.808 χ^2/NDF: 23162.4/116



Right In: 26.260+/-1.622 χ^2/NDF: 457.0/31

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 30.053+/-1.585 χ^2/NDF: 475.1/36

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

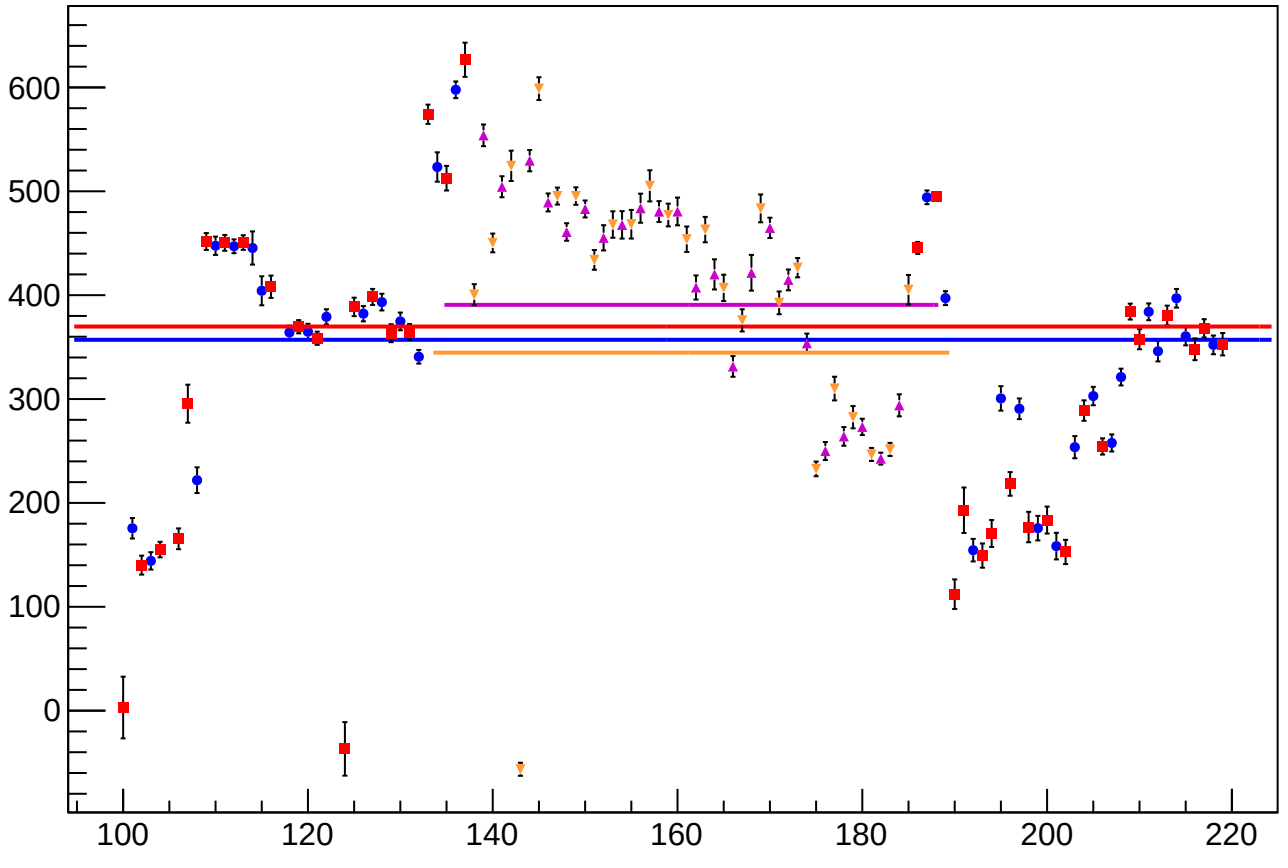
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 28.200+/-1.134 χ^2/NDF: 935.0/68

In: 14.008+/-1.122 χ^2/NDF:966.1/54

Out: 16.312+/-1.069 χ^2/NDF:1070.2/61

All: 15.217+/-0.774 χ^2/NDF: 2038.5/116



Right In: 357.054+/-1.534 χ^2/NDF: 4210.3/31

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 369.816+/-1.422 χ^2/NDF: 7221.5/36

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

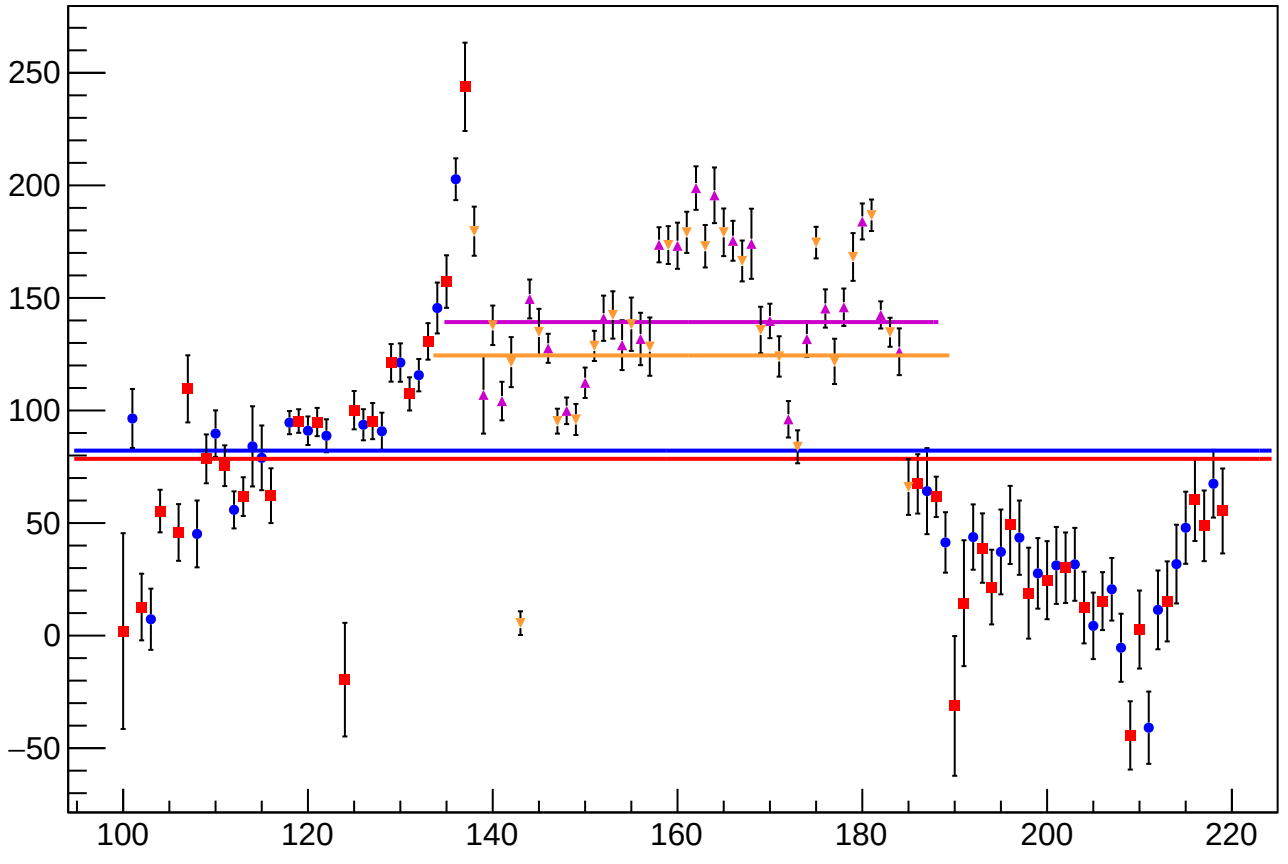
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 363.917+/-1.043 χ^2/NDF: 11469.1/68

In: 369.280+/-1.224 χ^2/NDF:7057.7/54

Out: 360.933+/-1.144 χ^2/NDF:14610.1/61

All: 364.825+/-0.836 χ^2/NDF: 21692.6/116



Right In: 82.175+/-1.886 χ^2/NDF: 533.1/31

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 78.523+/-1.854 χ^2/NDF: 504.0/36

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

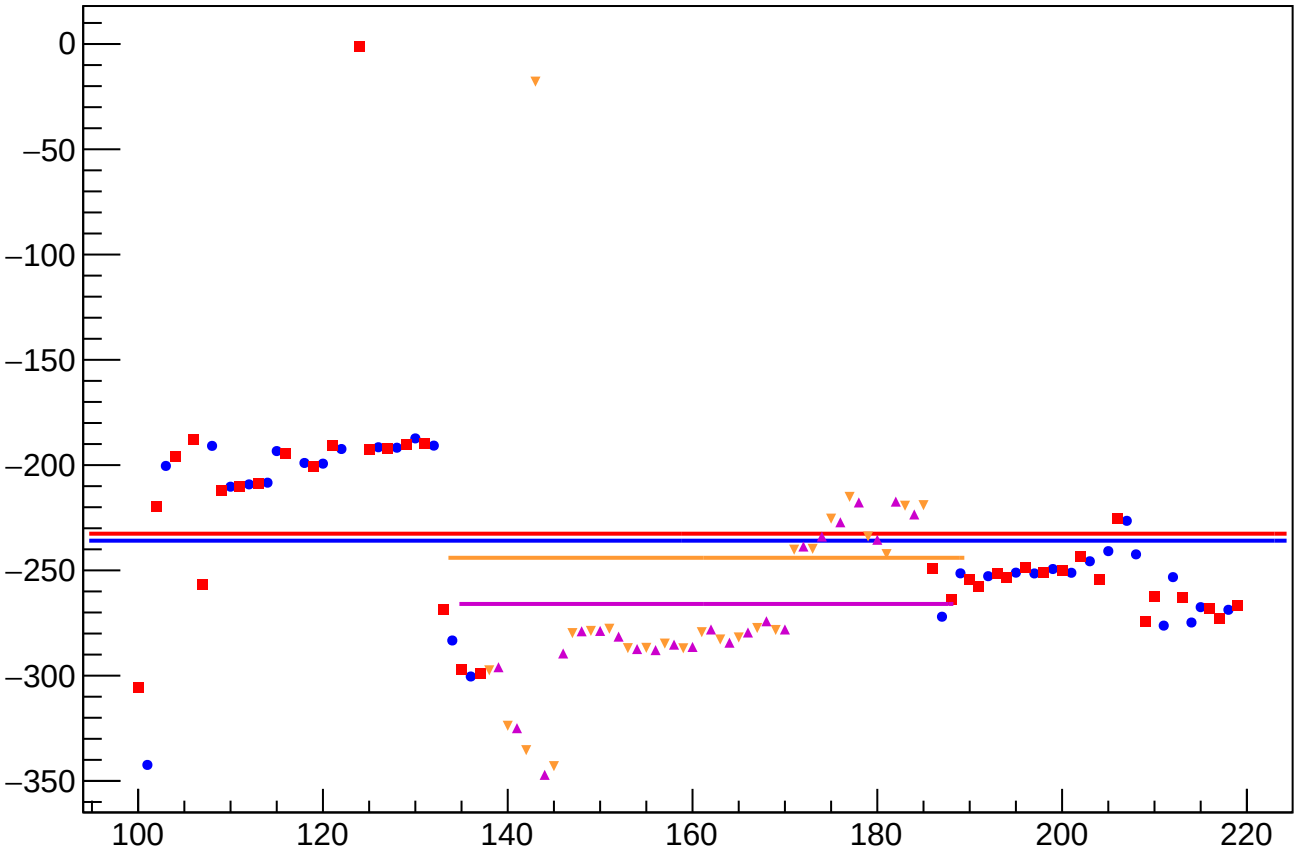
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 80.318+/-1.322 χ^2/NDF: 1039.0/68

In: 112.540+/-1.290 χ^2/NDF:1281.6/54

Out: 103.996+/-1.237 χ^2/NDF:1782.1/61

All: 108.090+/-0.893 χ^2/NDF: 3086.5/116



Right In: -235.896+/-0.103 χ^2/NDF: 144654.5/31

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -232.576+/-0.099 χ^2/NDF: 122112.5/36

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

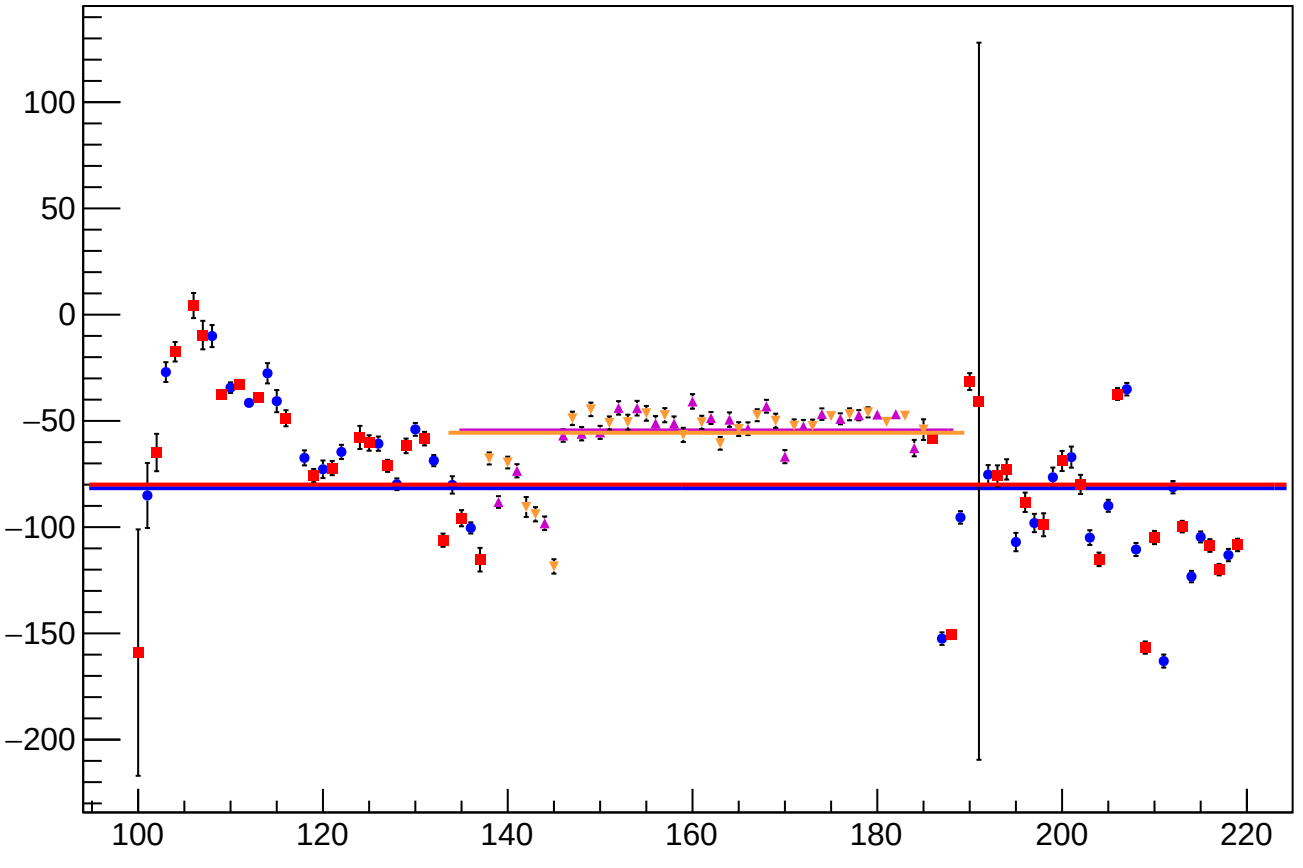
Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

Right: -234.177+/-0.071 χ^2/NDF: 267308.6/68

In: -254.500+/-0.063 χ^2/NDF:367668.6/54

Out: -239.685+/-0.061 χ^2/NDF:1128368.7/61

All: -246.807+/-0.044 χ^2/NDF: 1524439.8/11



Right In: -81.675+/-0.578 χ^2/NDF: 3660.9/31

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -79.964+/-0.532 χ^2/NDF: 5588.2/36

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

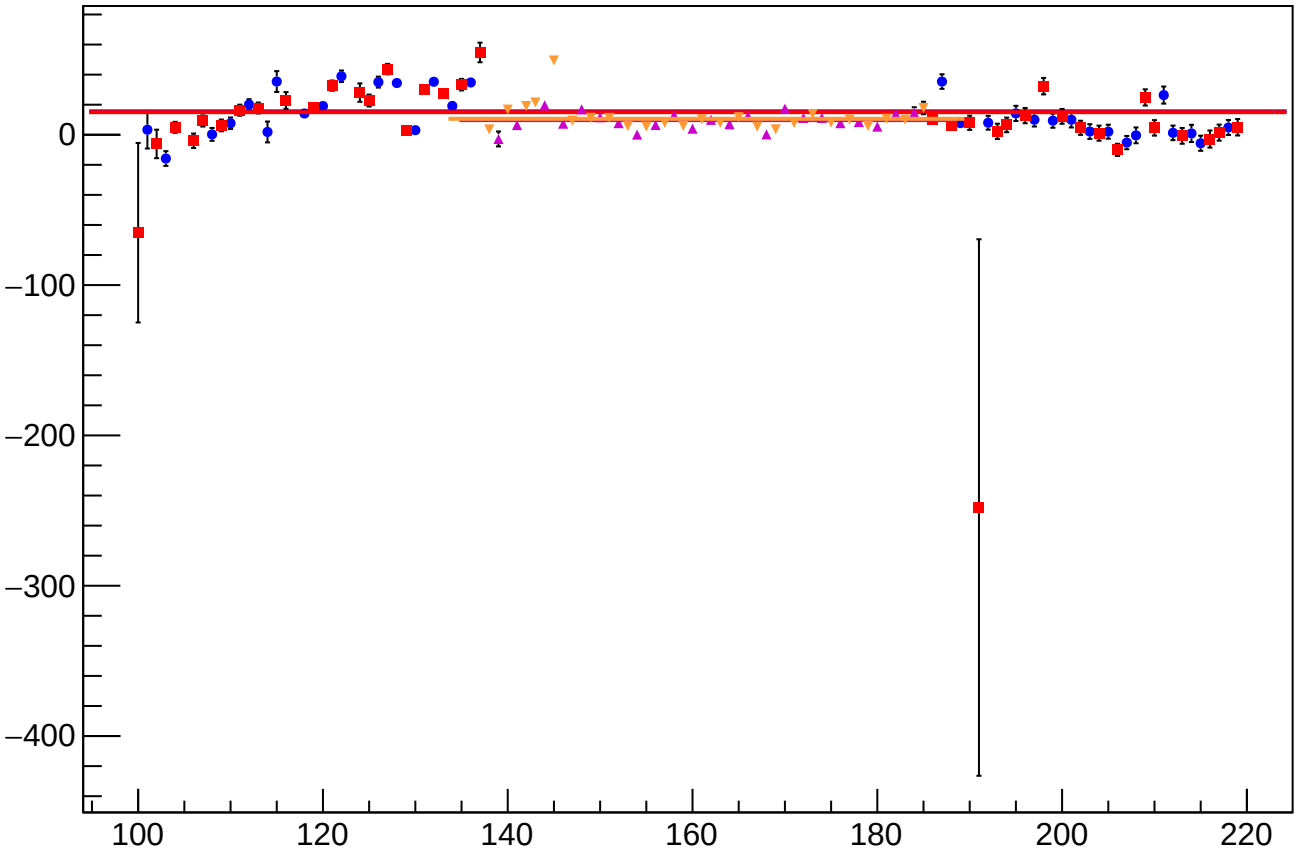
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -80.748+/-0.392 χ^2/NDF: 9253.9/68

In: -68.728+/-0.418 χ^2/NDF:5213.4/54

Out: -69.024+/-0.395 χ^2/NDF:7216.8/61

All: -68.884+/-0.287 χ^2/NDF: 12430.5/116



Right In: 15.541+/-0.700 χ^2/NDF: 390.9/31

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 15.022+/-0.649 χ^2/NDF: 399.0/36

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

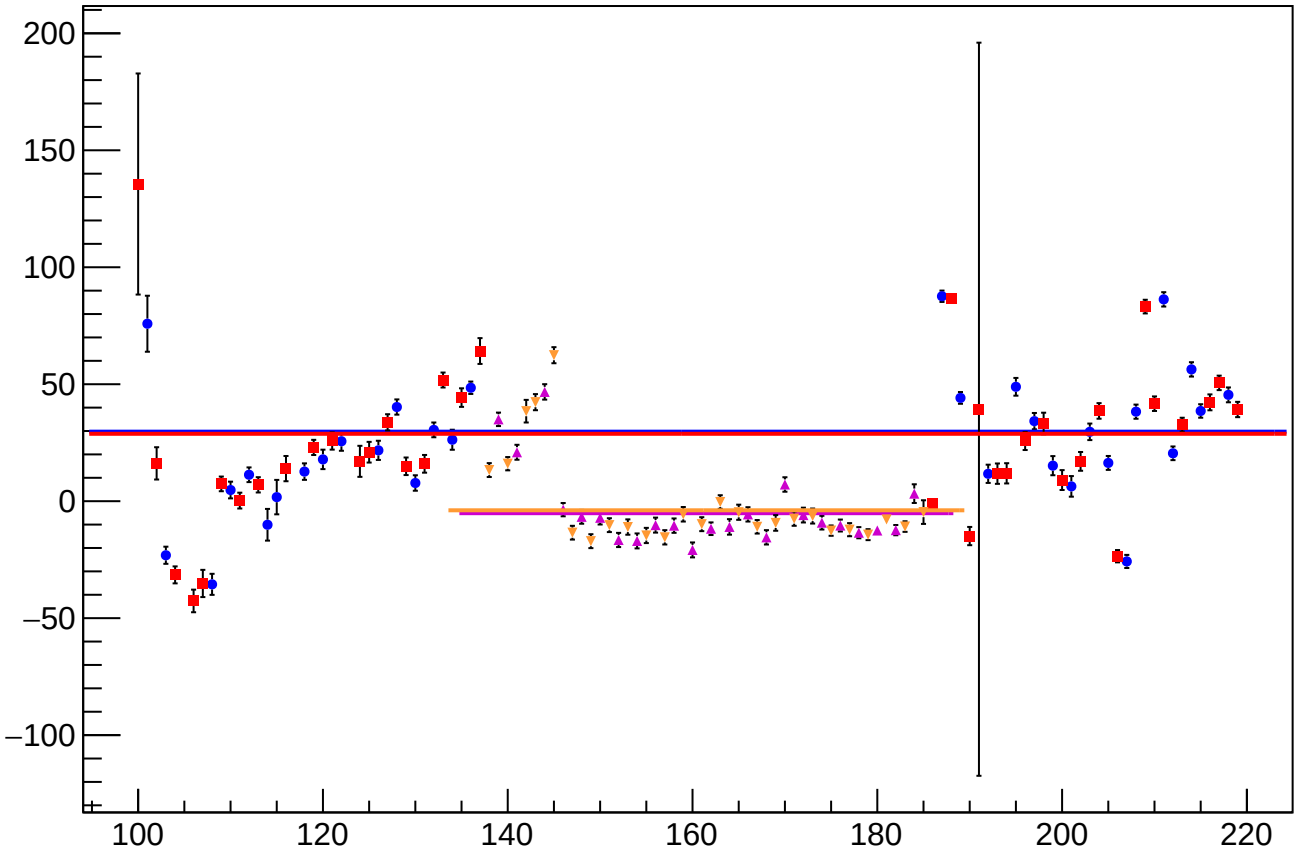
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 15.262+/-0.476 χ^2/NDF: 790.2/68

In: 11.545+/-0.388 χ^2/NDF:559.1/54

Out: 12.036+/-0.369 χ^2/NDF:685.5/61

All: 11.802+/-0.268 χ^2/NDF: 1245.4/116



Right In: 29.719+/-0.605 χ^2/NDF: 2277.0/31

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 28.814+/-0.541 χ^2/NDF: 4162.7/36

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

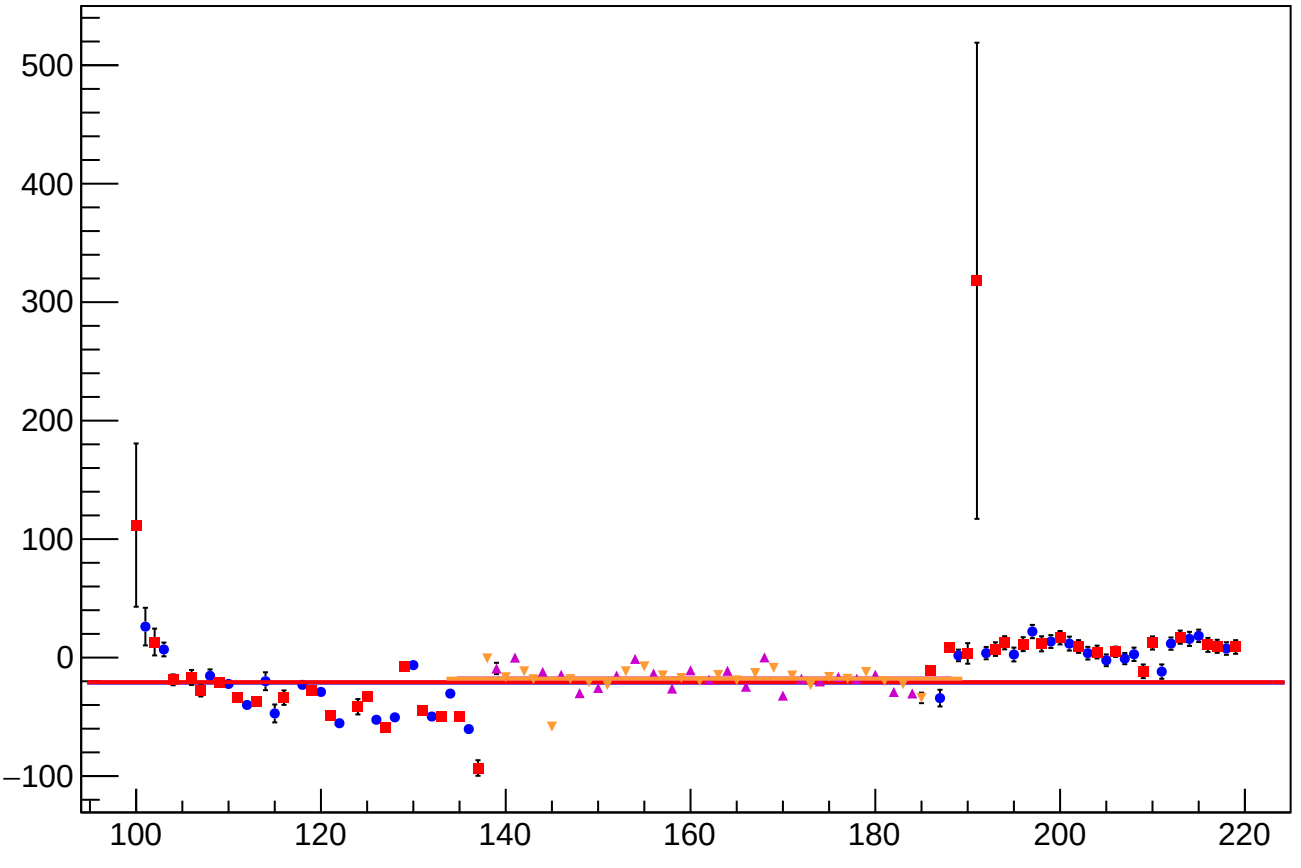
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 29.216+/-0.404 χ^2/NDF: 6440.9/68

In: 12.132+/-0.426 χ^2/NDF:4599.1/54

Out: 13.725+/-0.397 χ^2/NDF:6696.5/61

All: 12.984+/-0.291 χ^2/NDF: 11303.1/116



Right In: -21.118+/-0.801 χ^2/NDF: 975.2/31

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -20.762+/-0.765 χ^2/NDF: 1085.0/36

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

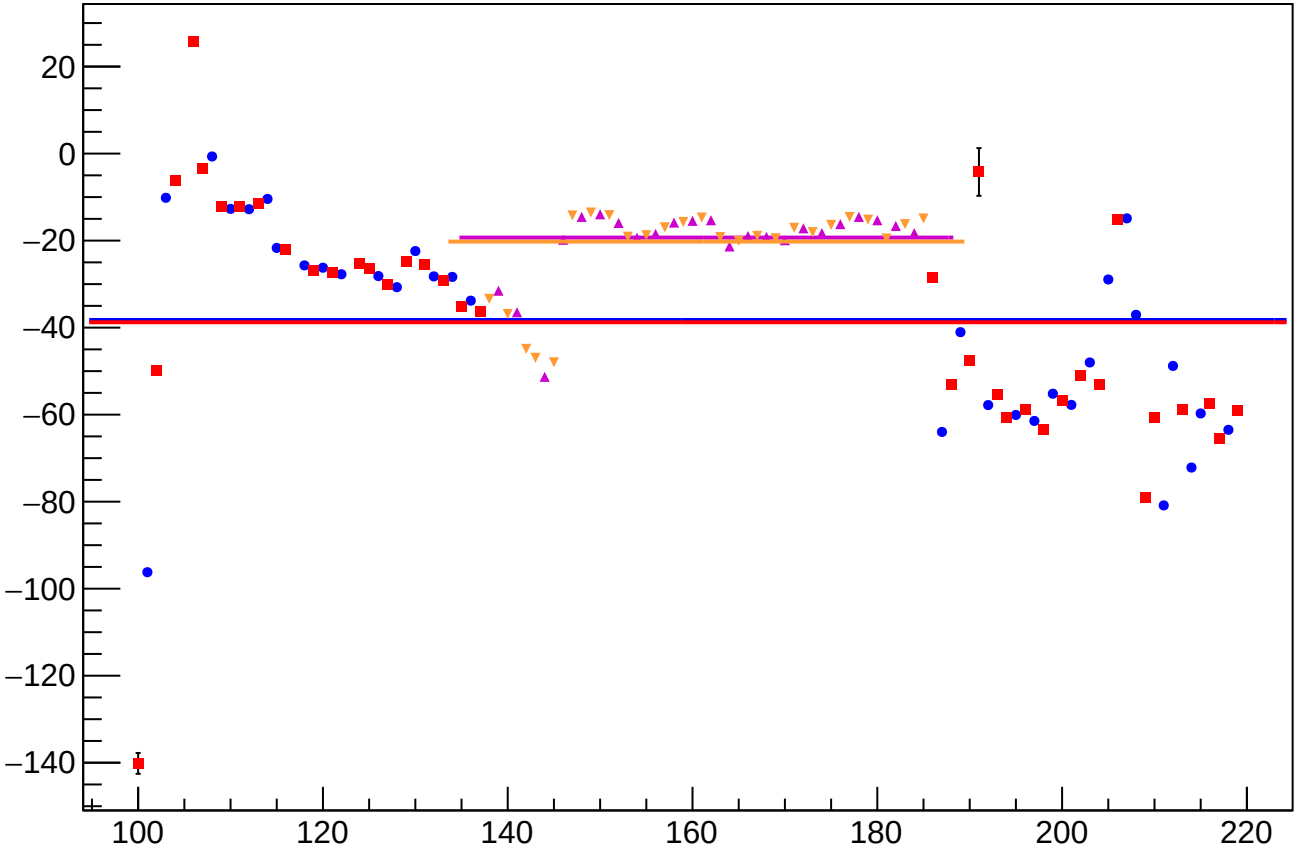
Right: -20.932+/-0.553 χ^2/NDF: 2060.3/68

In: -18.690+/-0.440 χ^2/NDF:1274.2/54

Out: -18.692+/-0.424 χ^2/NDF:1347.1/61

All: -18.691+/-0.305 χ^2/NDF: 2621.3/116

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -38.241+/-0.039 χ^2/NDF: 265847.5/31

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -38.766+/-0.038 χ^2/NDF: 344845.7/36

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

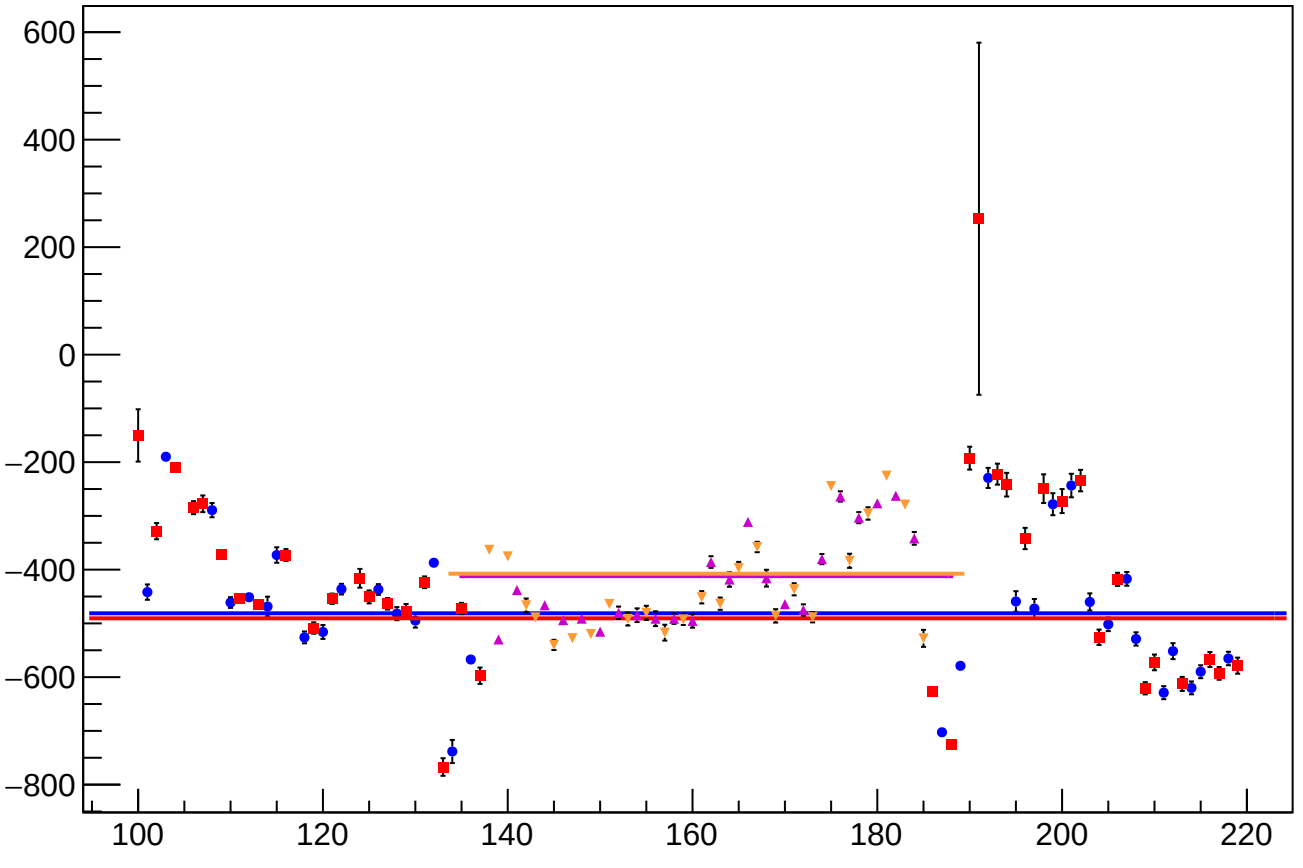
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -38.507+/-0.027 χ^2/NDF: 610785.5/68

In: -24.292+/-0.020 χ^2/NDF:533195.5/54

Out: -25.086+/-0.020 χ^2/NDF:664625.0/61

All: -24.696+/-0.014 χ^2/NDF: 1198623.3/116



Right In: -481.234+/-2.087 χ^2/NDF: 3352.2/31

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -490.556+/-1.897 χ^2/NDF: 6556.0/36

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

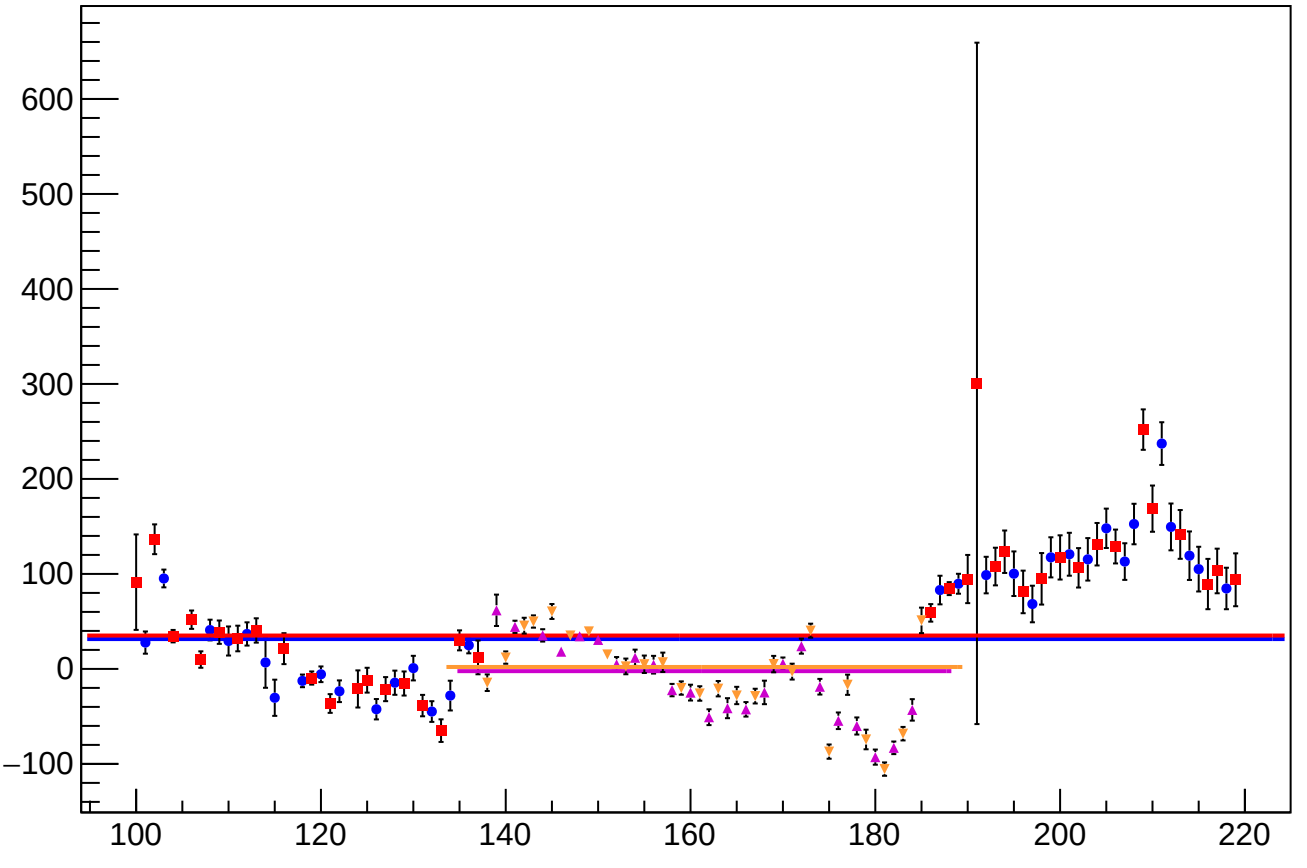
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -486.339+/-1.404 χ^2/NDF: 9919.1/68

In: -445.345+/-1.447 χ^2/NDF:6104.3/54

Out: -450.227+/-1.360 χ^2/NDF:10359.1/61

All: -447.937+/-0.991 χ^2/NDF: 16469.4/116



Right In: 31.409+/-2.373 χ^2/NDF: 605.7/31

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 35.132+/-2.157 χ^2/NDF: 664.1/36

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

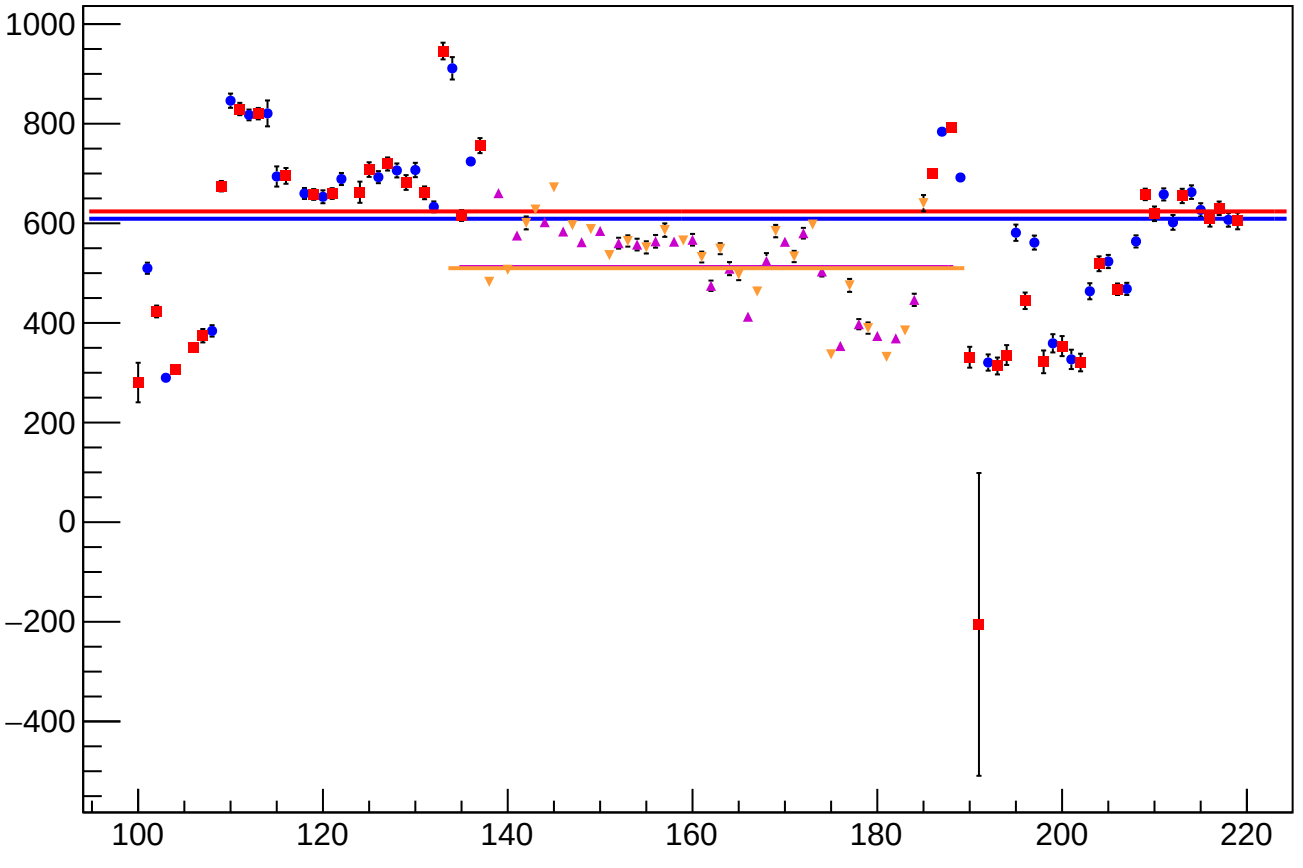
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 33.448+/-1.596 χ^2/NDF: 1271.2/68

In: 7.115+/-1.257 χ^2/NDF:1484.8/54

Out: 12.103+/-1.189 χ^2/NDF:1738.7/61

All: 9.747+/-0.864 χ^2/NDF: 3231.8/116



Right In: 609.162+/-2.123 χ^2/NDF: 5562.5/31

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 623.913+/-1.873 χ^2/NDF: 8822.8/36

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

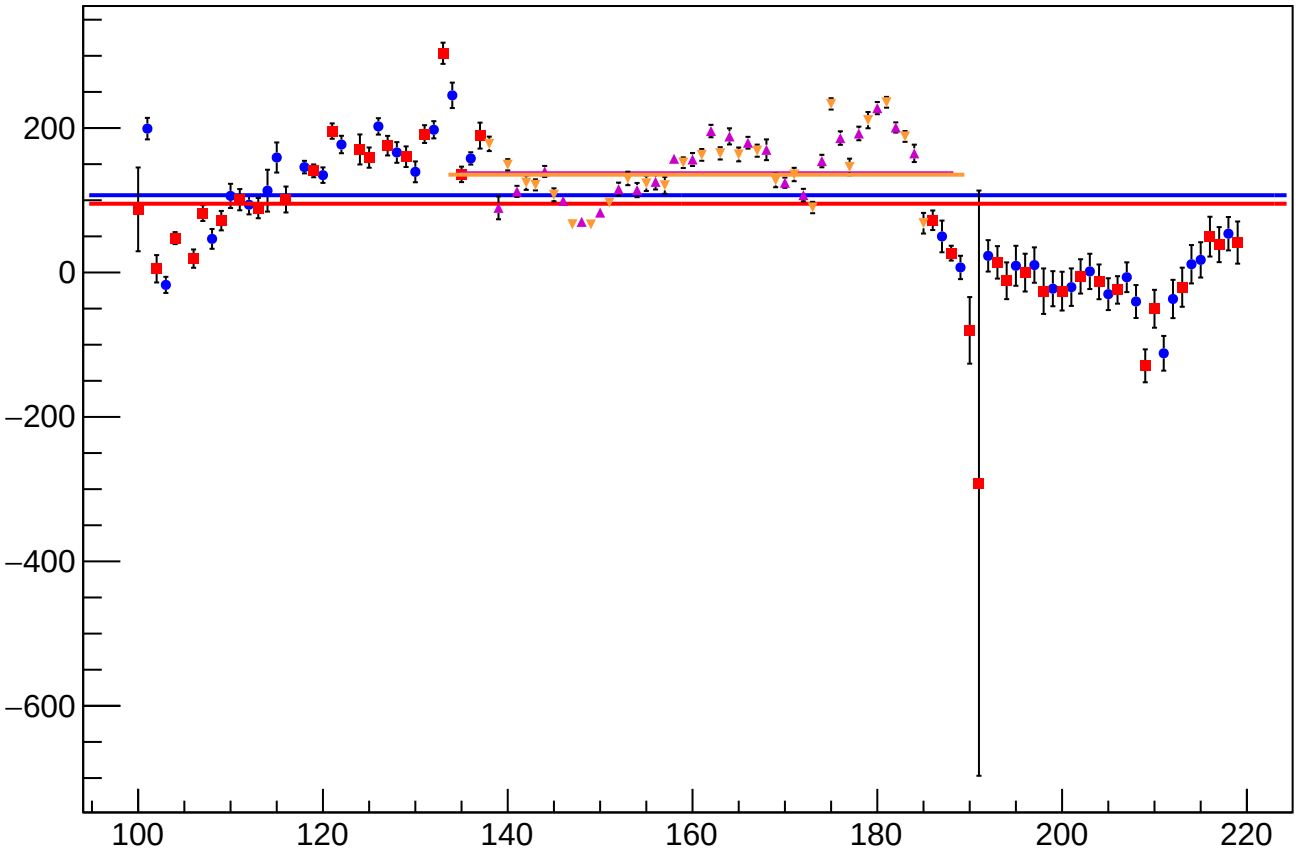
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 617.455+/-1.405 χ^2/NDF: 14412.4/68

In: 557.442+/-1.449 χ^2/NDF:8762.2/54

Out: 568.777+/-1.346 χ^2/NDF:13276.5/61

All: 563.528+/-0.986 χ^2/NDF: 22071.5/116



Right In: 106.988+/-2.763 χ^2/NDF: 910.6/31

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 95.194+/-2.576 χ^2/NDF: 983.0/36

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

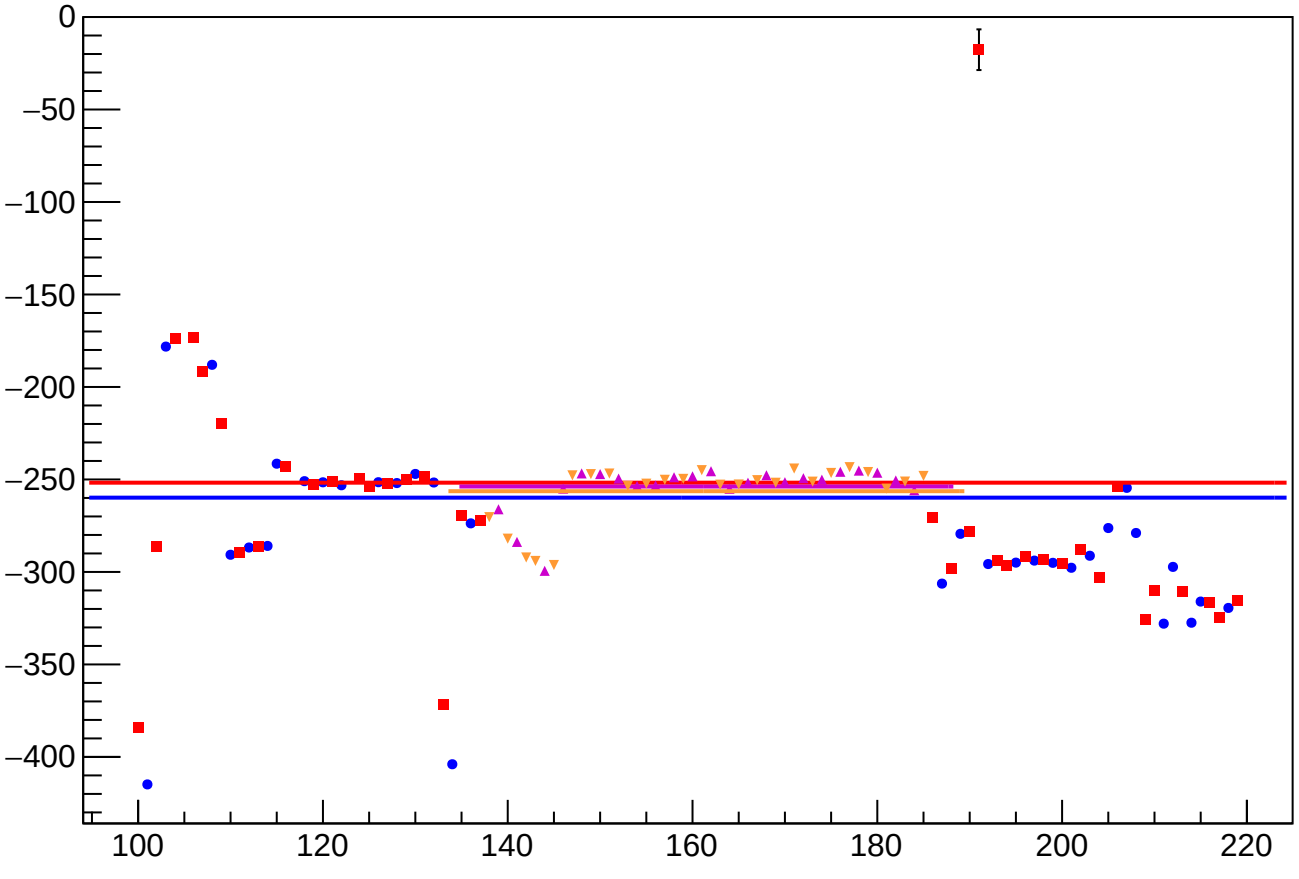
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 100.679+/-1.884 χ^2/NDF: 1903.4/68

In: 129.015+/-1.449 χ^2/NDF:1704.2/54

Out: 123.723+/-1.389 χ^2/NDF:2079.0/61

All: 126.256+/-1.003 χ^2/NDF: 3790.2/116



Right In: -259.834+/-0.132 χ^2/NDF: 209893.6/31

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -251.741+/-0.127 χ^2/NDF: 163993.1/36

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

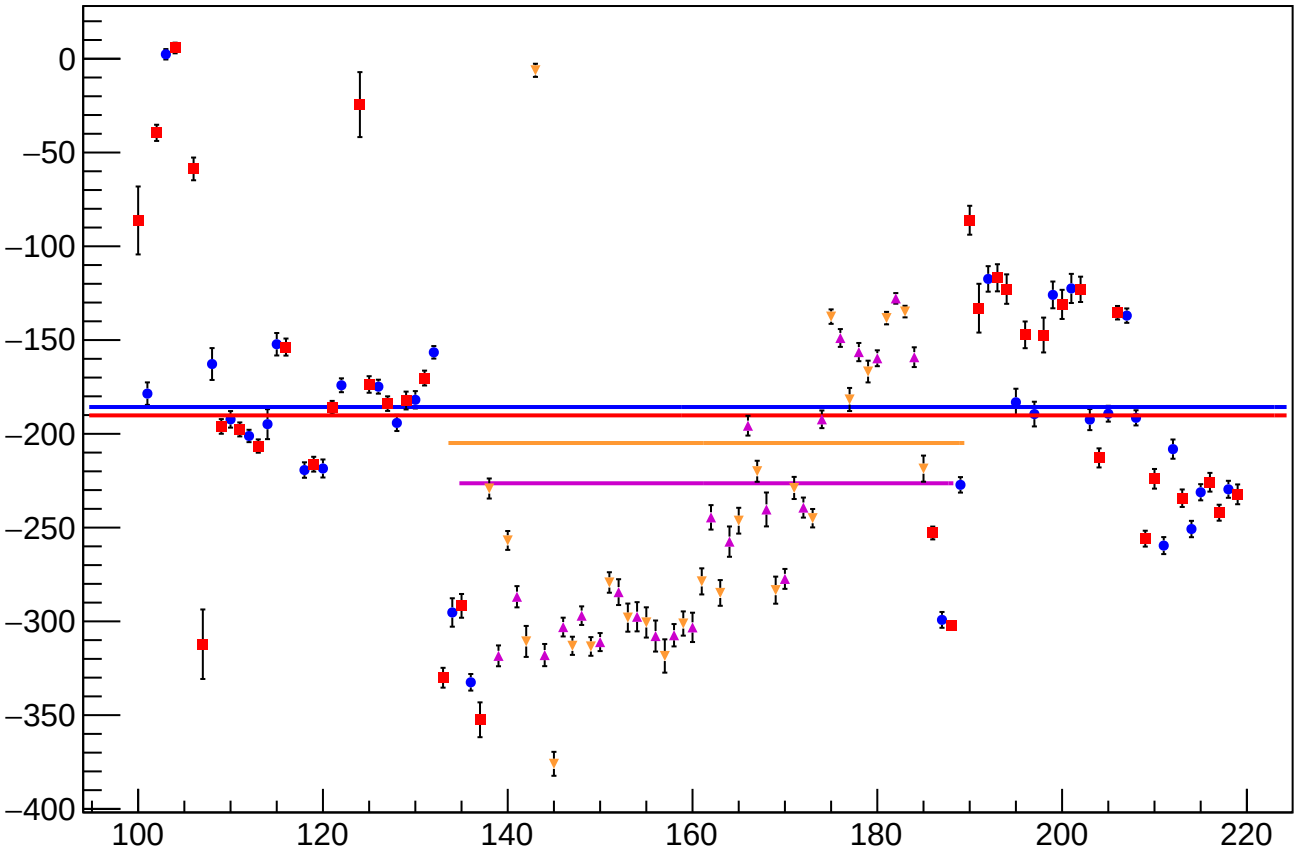
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -255.637+/-0.092 χ^2/NDF: 375827.4/68

In: -255.364+/-0.067 χ^2/NDF:235506.7/54

Out: -255.113+/-0.066 χ^2/NDF:204462.0/61

All: -255.236+/-0.047 χ^2/NDF: 439975.9/116



Right In: -185.705+/-0.807 χ^2/NDF: 8108.4/31

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -190.169+/-0.764 χ^2/NDF: 12308.2/36

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

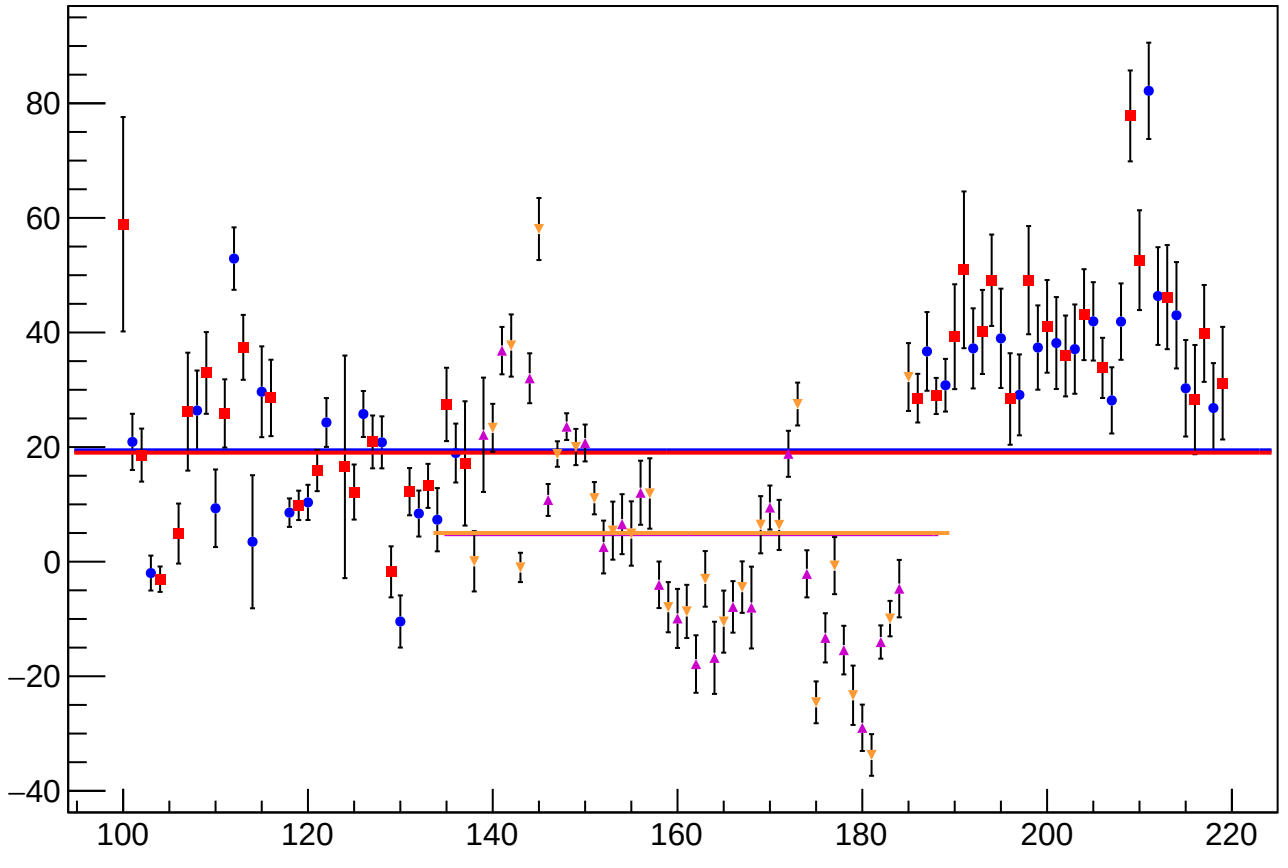
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -188.058+/-0.555 χ^2/NDF: 20432.7/68

In: -199.840+/-0.651 χ^2/NDF:13210.8/54

Out: -195.253+/-0.618 χ^2/NDF:20262.7/61

All: -197.426+/-0.448 χ^2/NDF: 33499.5/116



Right In: 19.433+/-0.921 χ^2/NDF: 322.7/31

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 19.028+/-0.867 χ^2/NDF: 350.3/36

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

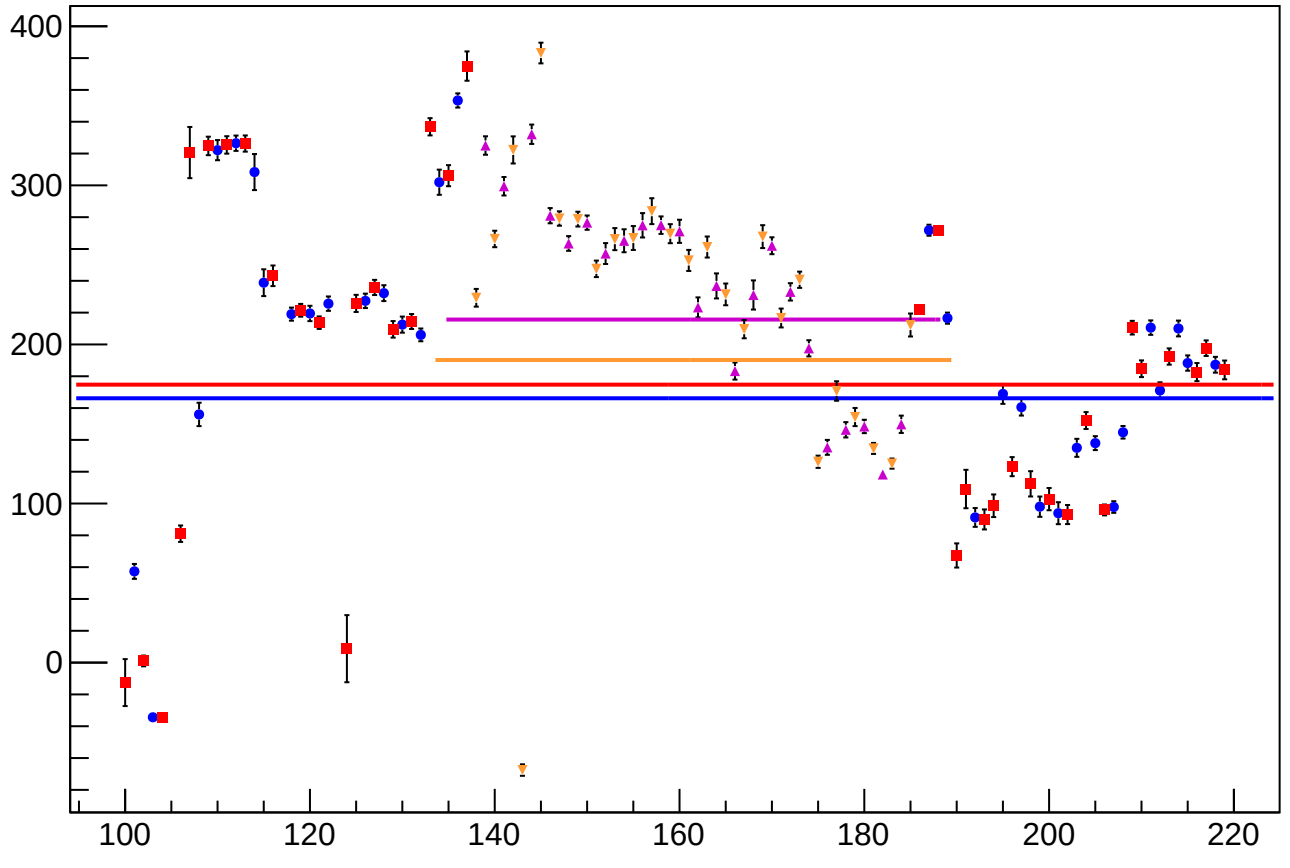
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 19.218+/-0.631 χ^2/NDF: 673.2/68

In: 11.501+/-0.623 χ^2/NDF:885.9/54

Out: 11.398+/-0.585 χ^2/NDF:1041.2/61

All: 11.446+/-0.427 χ^2/NDF: 1927.2/116



Right In: 166.163+/-0.815 χ^2/NDF: 16161.4/31

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 174.727+/-0.753 χ^2/NDF: 21491.8/36

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

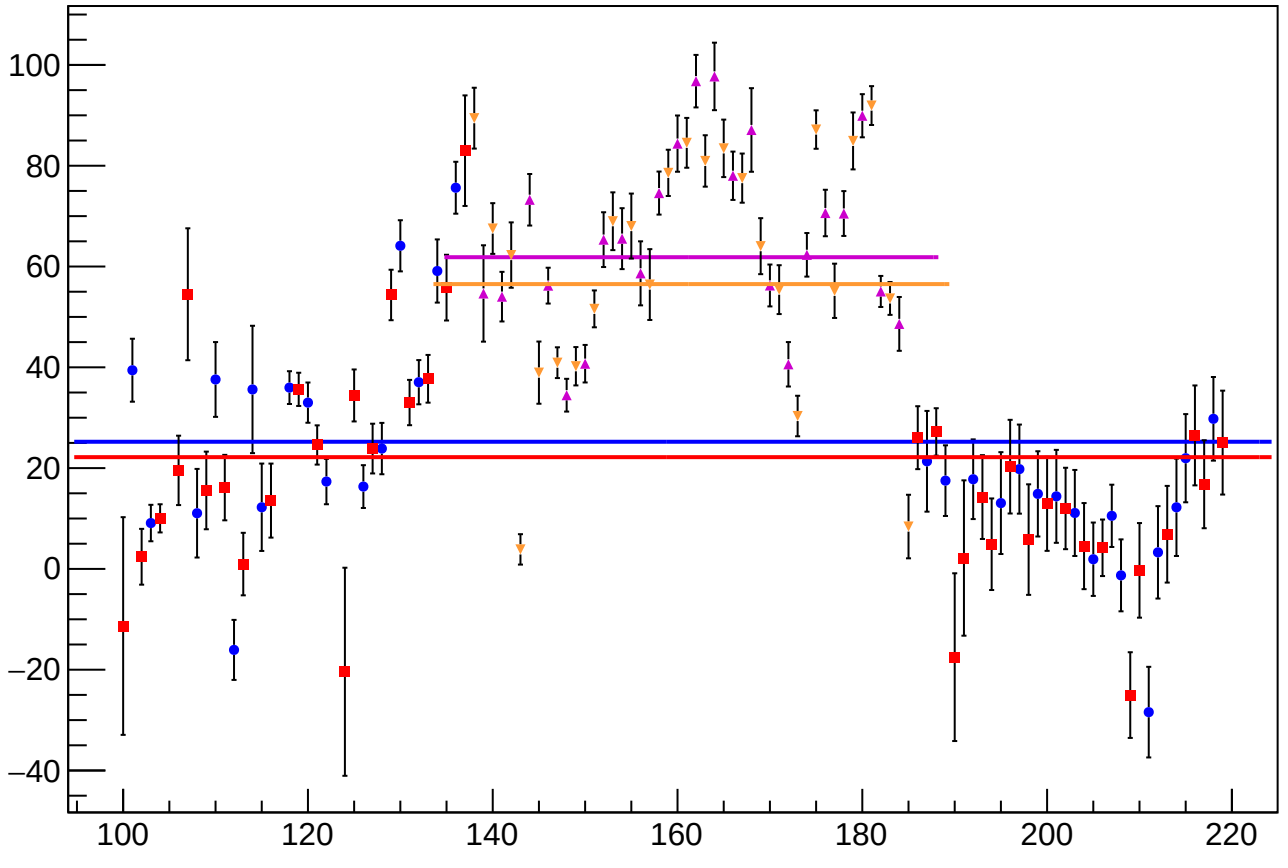
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 170.785+/-0.553 χ^2/NDF: 37712.7/68

In: 183.744+/-0.655 χ^2/NDF:21356.3/54

Out: 179.988+/-0.612 χ^2/NDF:31019.5/61

All: 181.740+/-0.447 χ^2/NDF: 52393.4/116



Right In: 25.230+/-1.071 χ^2/NDF: 377.6/31

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 22.175+/-1.028 χ^2/NDF: 269.8/36

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

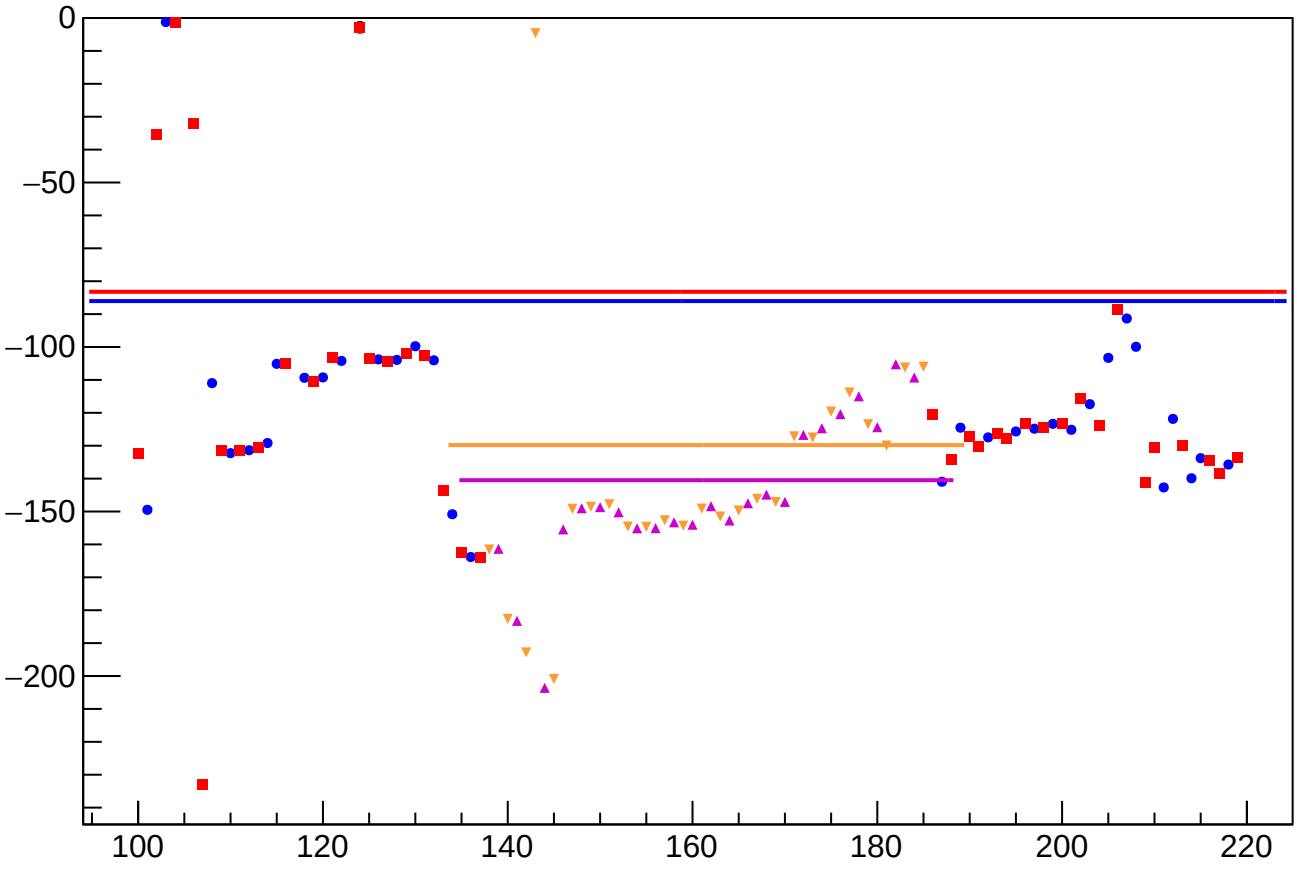
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 23.640+/-0.742 χ^2/NDF: 651.7/68

In: 45.516+/-0.716 χ^2/NDF:1345.4/54

Out: 41.450+/-0.681 χ^2/NDF:1694.7/61

All: 43.383+/-0.493 χ^2/NDF: 3057.1/116



Right In: -86.037+/-0.050 χ^2/NDF: 1362270.6/31

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -83.209+/-0.048 χ^2/NDF: 1329965.1/36

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

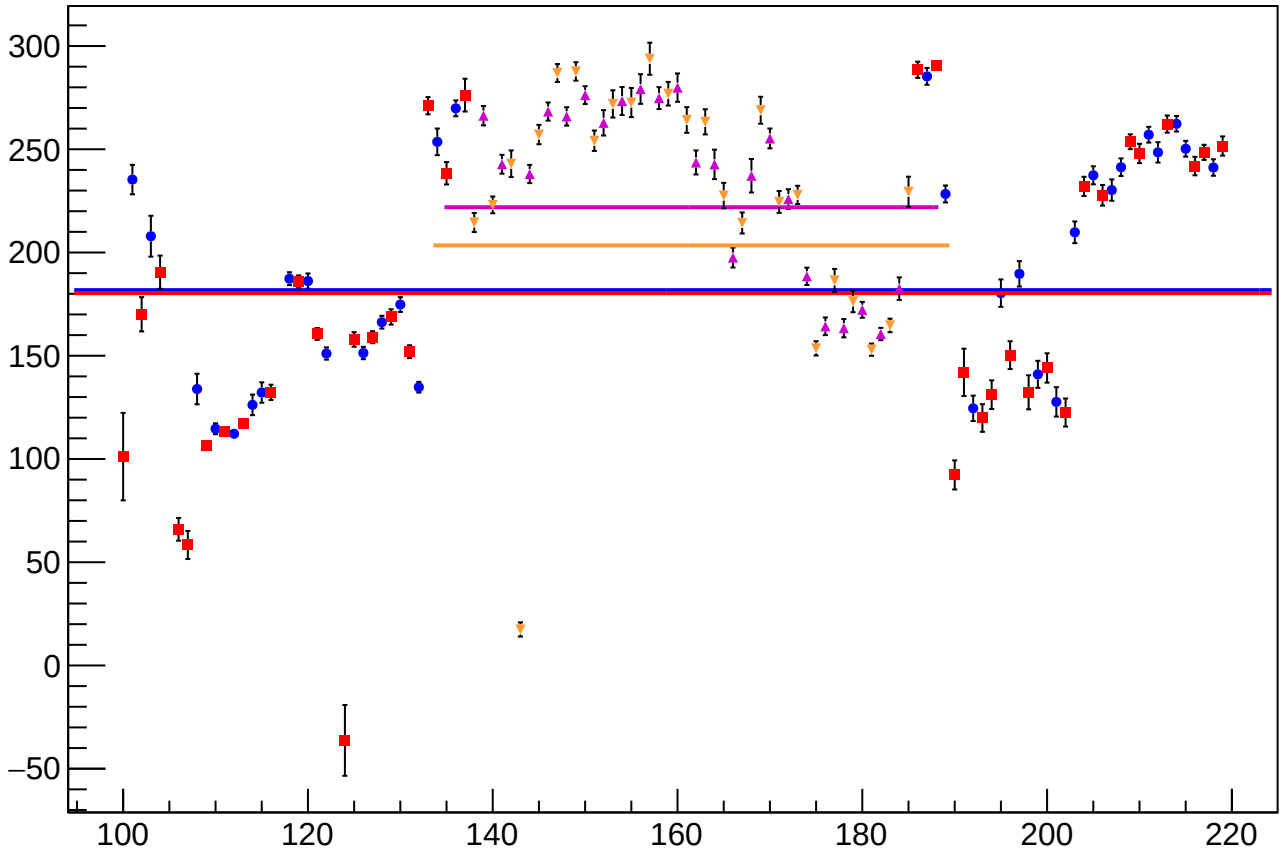
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -84.581+/-0.035 χ^2/NDF: 2693899.9/68

In: -116.785+/-0.033 χ^2/NDF:2293334.9/54

Out: -109.654+/-0.032 χ^2/NDF:2883464.0/61

All: -113.103+/-0.023 χ^2/NDF: 5201177.1/11



Right In: 181.768+/-0.698 χ^2/NDF: 6297.9/31

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 180.332+/-0.655 χ^2/NDF: 10543.5/36

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

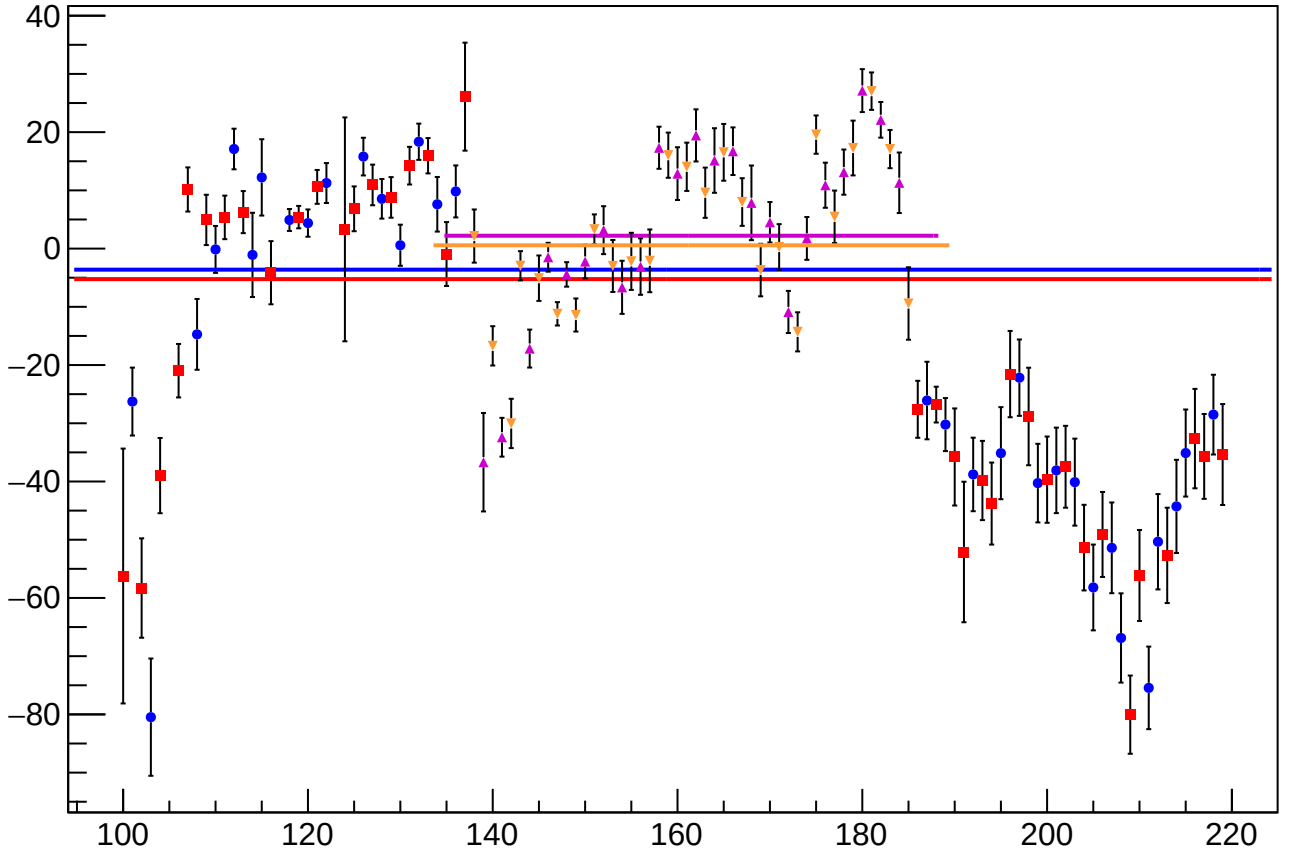
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 181.005+/-0.478 χ^2/NDF: 16843.6/68

In: 194.864+/-0.573 χ^2/NDF:9364.8/54

Out: 187.757+/-0.540 χ^2/NDF:16434.6/61

All: 191.102+/-0.393 χ^2/NDF: 25880.9/116



Right In: -3.616+/-0.791 χ^2/NDF: 812.8/31

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -5.241+/-0.771 χ^2/NDF: 853.3/36

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

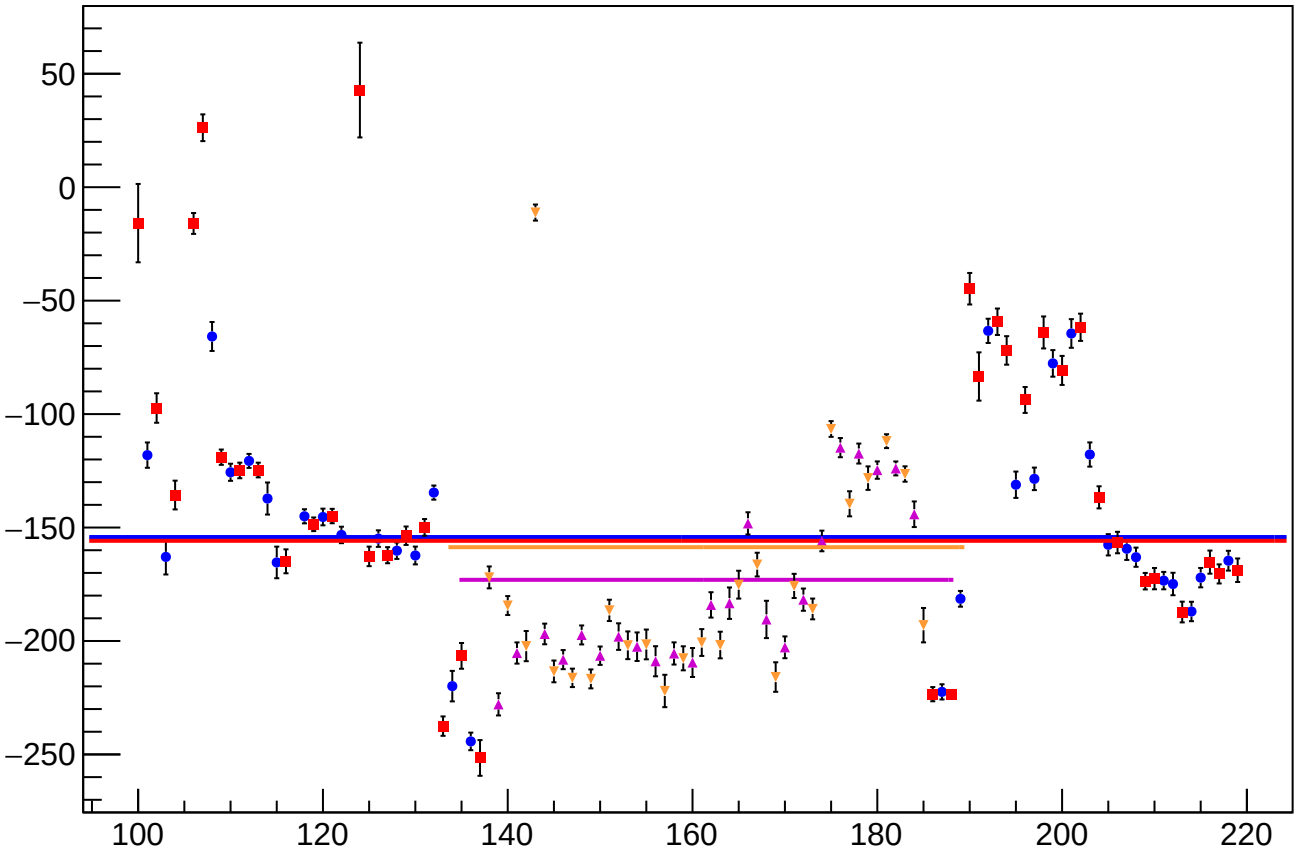
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: -4.450+/-0.552 χ^2/NDF: 1668.3/68

In: -0.586+/-0.548 χ^2/NDF:1199.1/54

Out: -2.120+/-0.524 χ^2/NDF:1229.3/61

All: -1.387+/-0.379 χ^2/NDF: 2432.5/116



Right In: -154.182+/-0.760 χ^2/NDF: 2473.8/31

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -155.848+/-0.705 χ^2/NDF: 6536.4/36

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

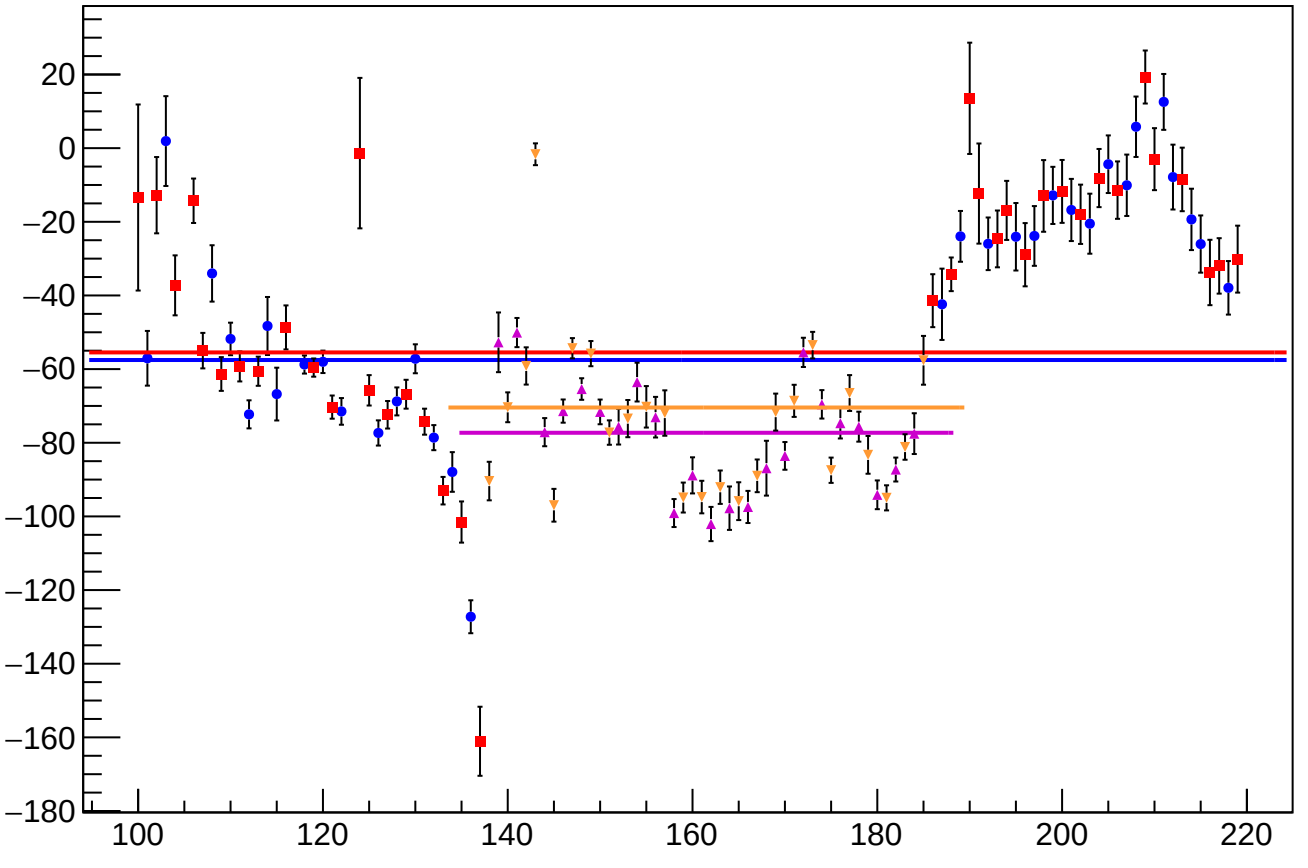
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -155.078+/-0.517 χ^2/NDF: 9012.8/68

In: -161.128+/-0.604 χ^2/NDF:4100.5/54

Out: -156.845+/-0.566 χ^2/NDF:10033.8/61

All: -158.848+/-0.413 χ^2/NDF: 14161.0/116



Right In: -57.531+/-0.918 χ^2/NDF: 876.9/31

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -55.467+/-0.899 χ^2/NDF: 907.6/36

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

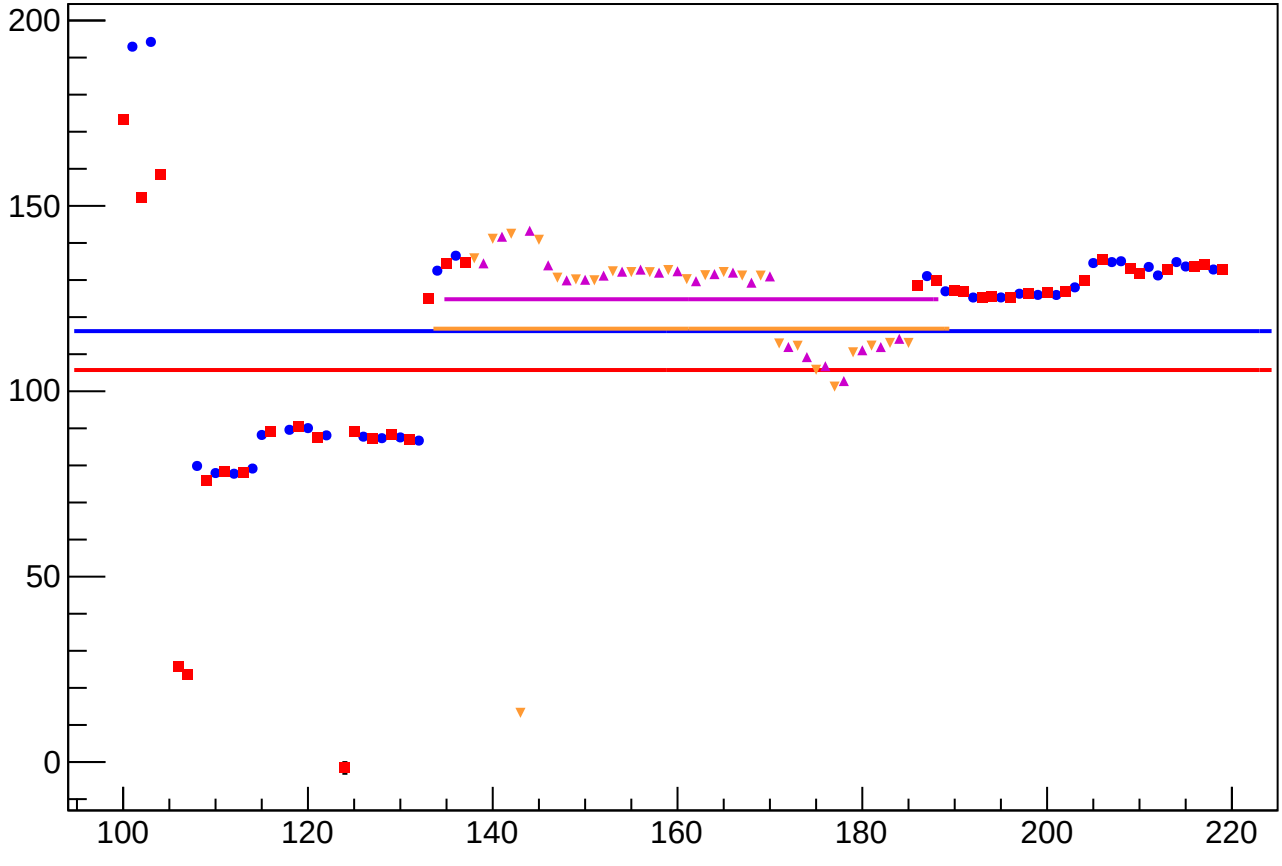
Right: -56.477+/-0.642 χ^2/NDF: 1787.2/68

In: -67.987+/-0.630 χ^2/NDF:1376.4/54

Out: -63.618+/-0.606 χ^2/NDF:1960.3/61

All: -65.720+/-0.437 χ^2/NDF: 3361.7/116

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 116.221+/-0.052 χ^2/NDF: 291099.2/31

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 105.730+/-0.049 χ^2/NDF: 547640.8/36

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

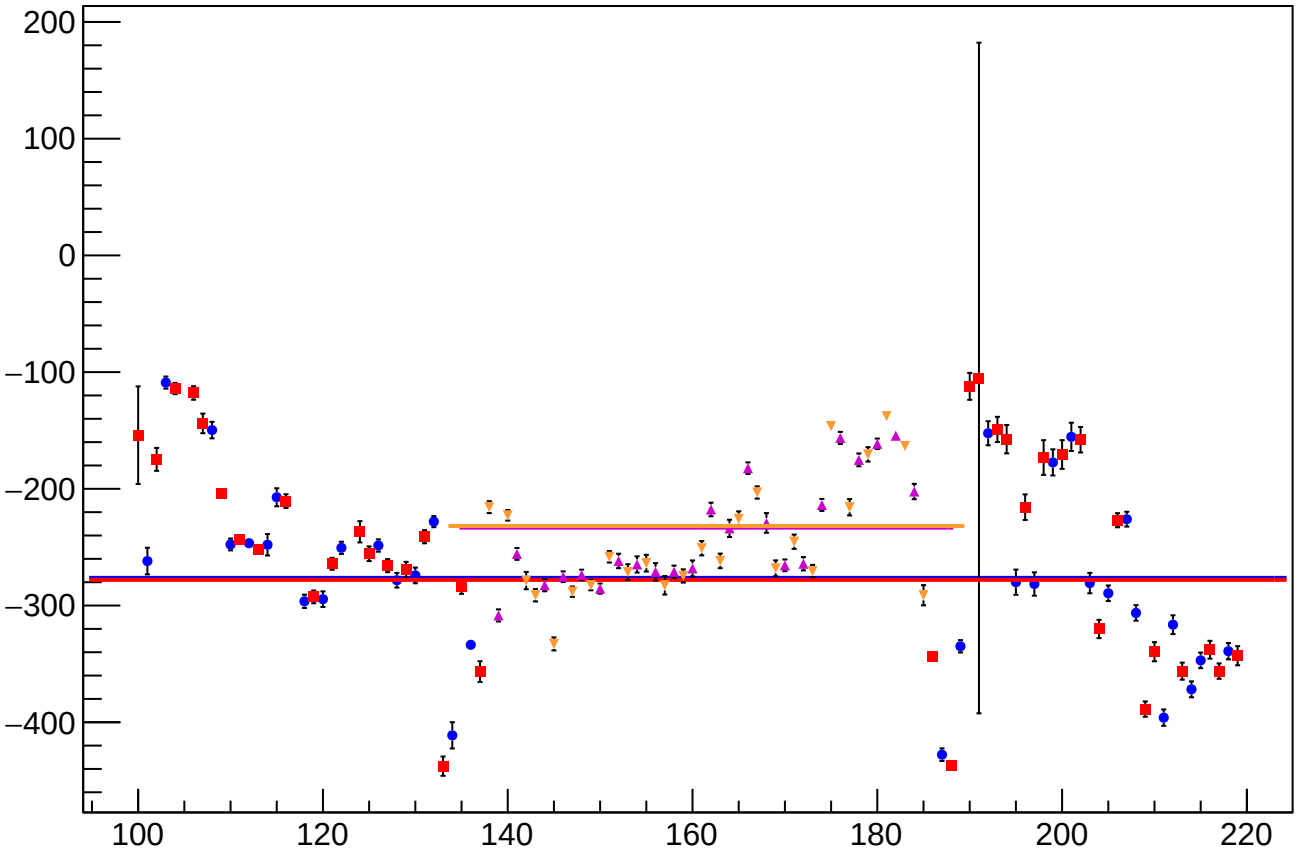
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 110.636+/-0.036 χ^2/NDF: 860165.3/68

In: 121.713+/-0.031 χ^2/NDF:396480.4/54

Out: 112.681+/-0.030 χ^2/NDF:1203017.8/61

All: 116.999+/-0.022 χ^2/NDF: 1642598.3/116



Right In: -276.297+/-1.133 χ^2/NDF: 4069.4/31

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -278.007+/-1.026 χ^2/NDF: 8317.7/36

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

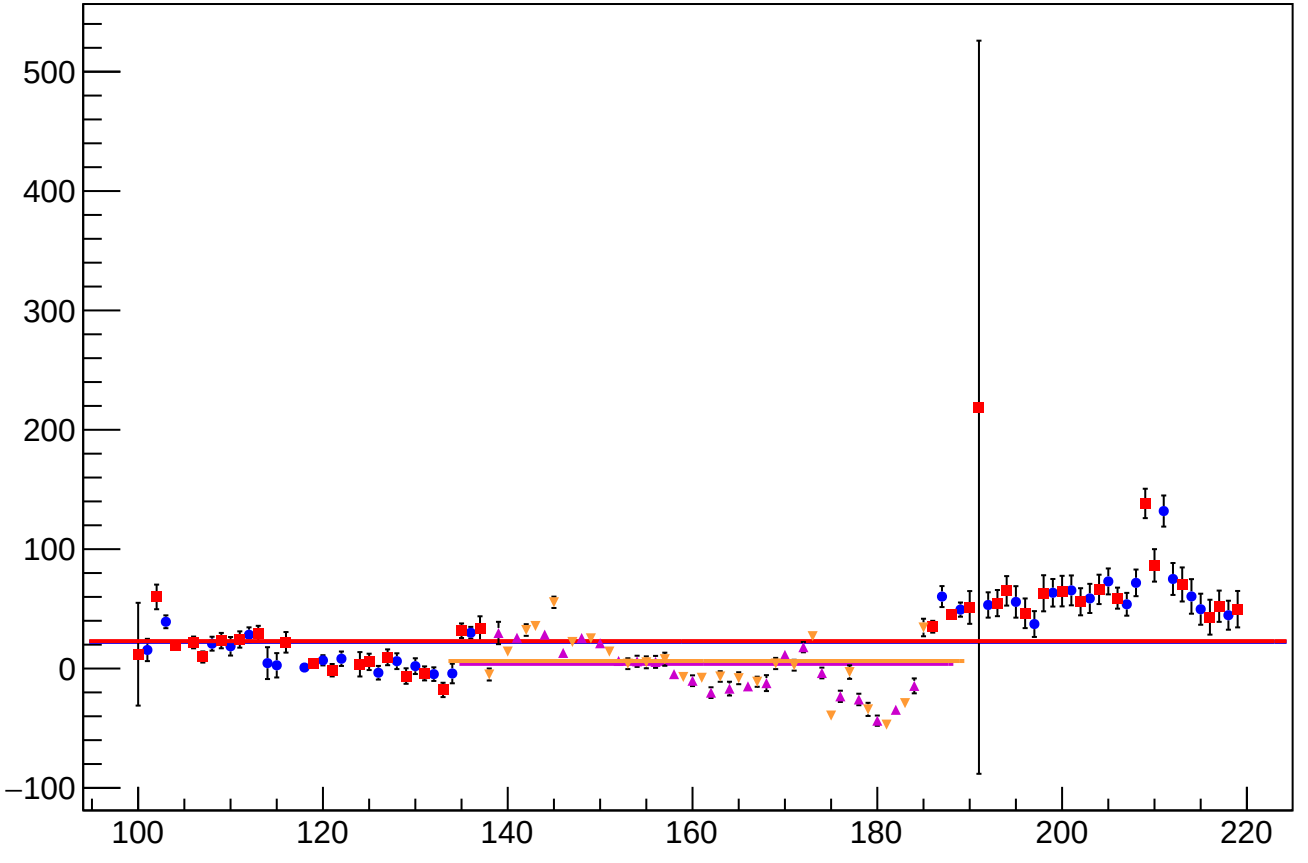
Right: -277.237+/-0.761 χ^2/NDF: 12388.3/68

In: -254.286+/-0.792 χ^2/NDF:6874.1/54

Out: -256.109+/-0.744 χ^2/NDF:11954.2/61

All: -255.255+/-0.542 χ^2/NDF: 18831.1/116

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.304+/-1.287 χ^2/NDF: 388.3/31

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 22.966+/-1.167 χ^2/NDF: 429.4/36

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

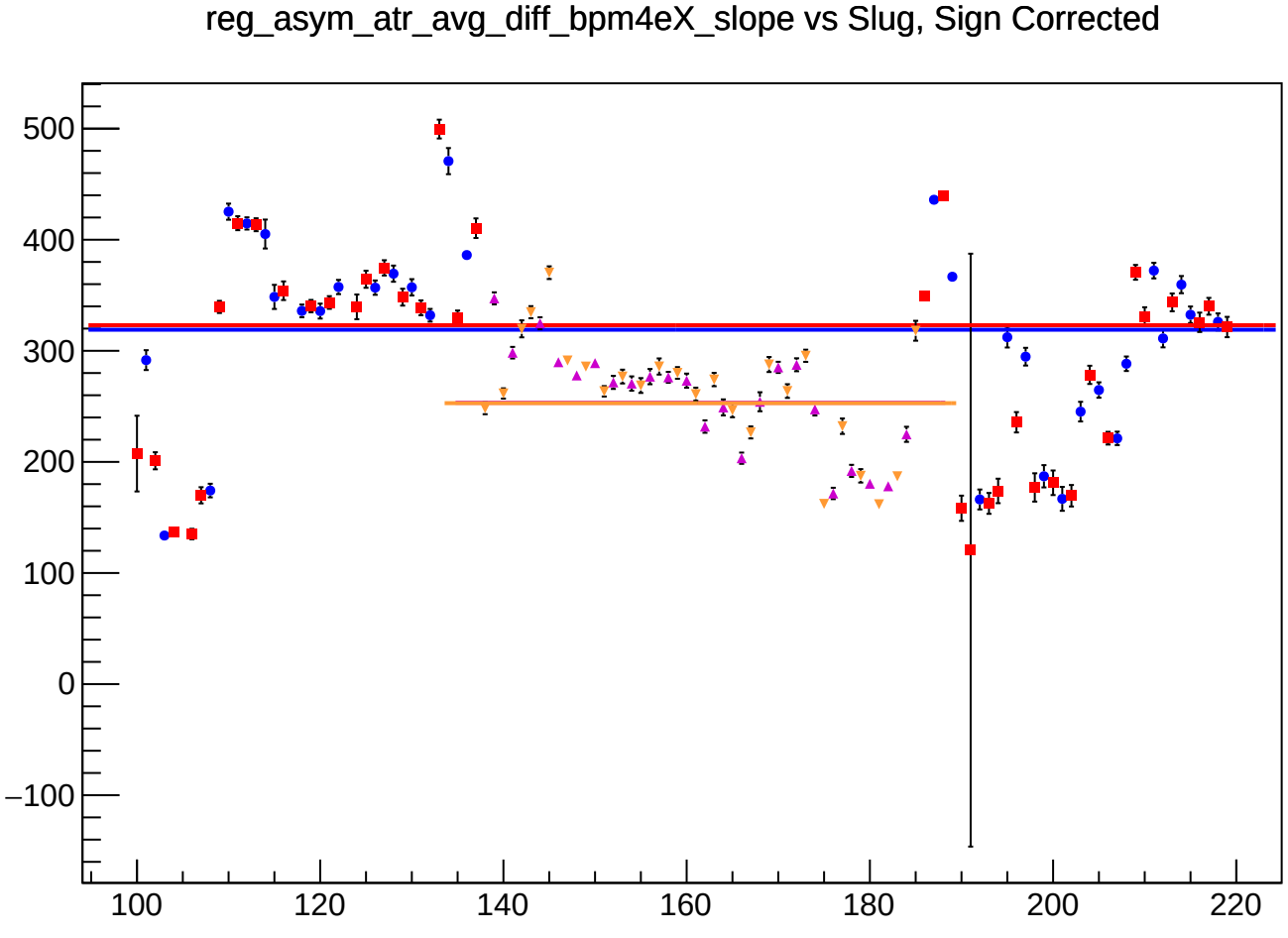
Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

Right: 22.667+/-0.864 χ^2/NDF: 817.8/68

In: 9.203+/-0.690 χ^2/NDF:1184.1/54

Out: 11.521+/-0.654 χ^2/NDF:1441.0/61

All: 10.425+/-0.475 χ^2/NDF: 2631.0/116



Right In: 318.983+/-1.171 χ^2/NDF: 5778.5/31

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 323.067+/-1.030 χ^2/NDF: 10158.8/36

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

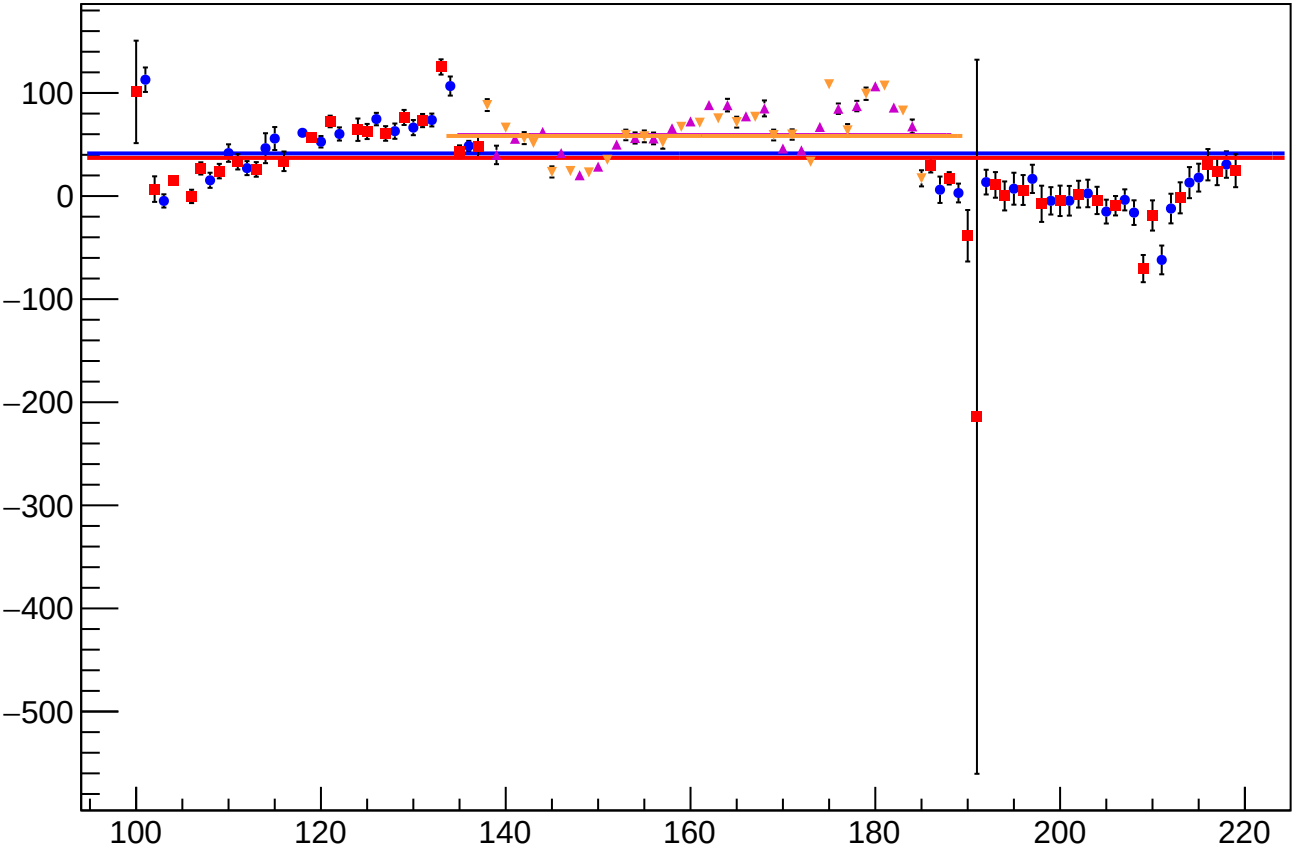
Right: 321.287+/-0.773 χ^2/NDF: 15944.2/68

In: 283.854+/-0.799 χ^2/NDF:9521.1/54

Out: 289.335+/-0.742 χ^2/NDF:14970.1/61

All: 286.797+/-0.544 χ^2/NDF: 24516.5/116

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.346+/-1.495 χ^2/NDF: 480.1/31

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 37.008+/-1.390 χ^2/NDF: 544.4/36

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

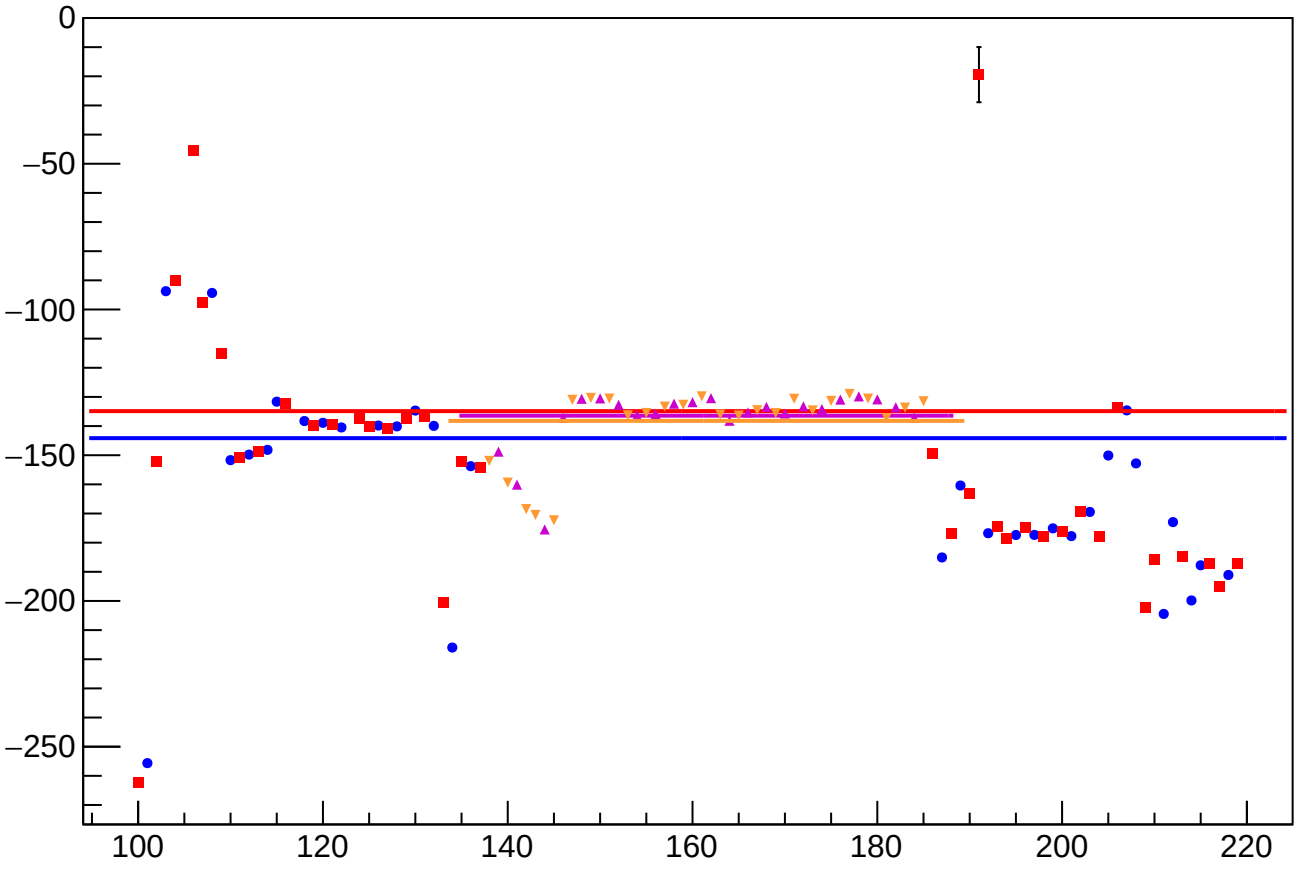
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 39.019+/-1.018 χ^2/NDF: 1029.0/68

In: 54.121+/-0.795 χ^2/NDF:1214.2/54

Out: 51.901+/-0.762 χ^2/NDF:1558.8/61

All: 52.965+/-0.550 χ^2/NDF: 2777.1/116



Right In: -144.143+/-0.073 χ^2/NDF: 259688.5/31

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -134.872+/-0.070 χ^2/NDF: 369032.7/36

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

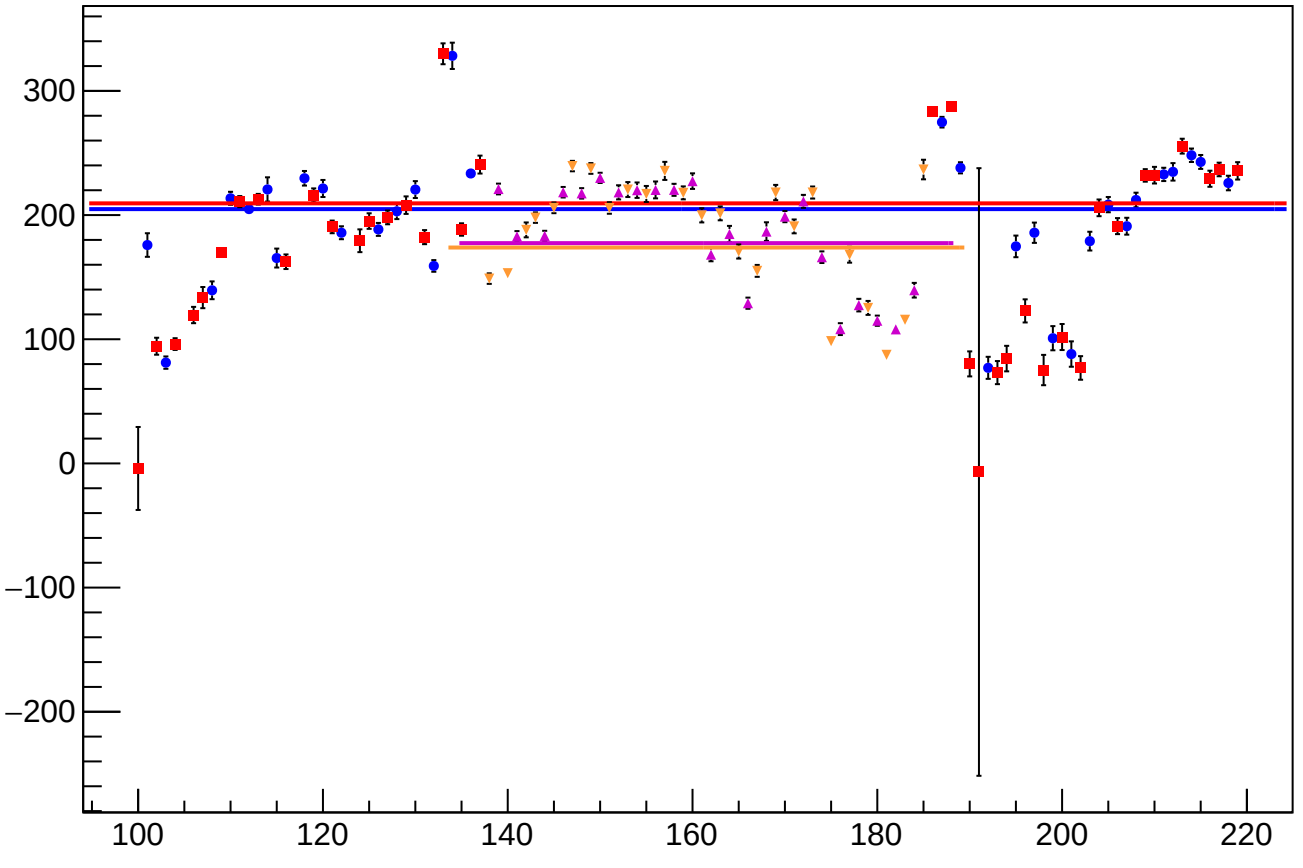
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -139.264+/-0.050 χ^2/NDF: 637129.8/68

In: -138.393+/-0.037 χ^2/NDF:317726.9/54

Out: -137.309+/-0.036 χ^2/NDF:452544.8/61

All: -137.840+/-0.026 χ^2/NDF: 770709.3/116



Right In: 204.797+/-1.045 χ^2/NDF: 2068.4/31

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 209.435+/-0.946 χ^2/NDF: 4358.8/36

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

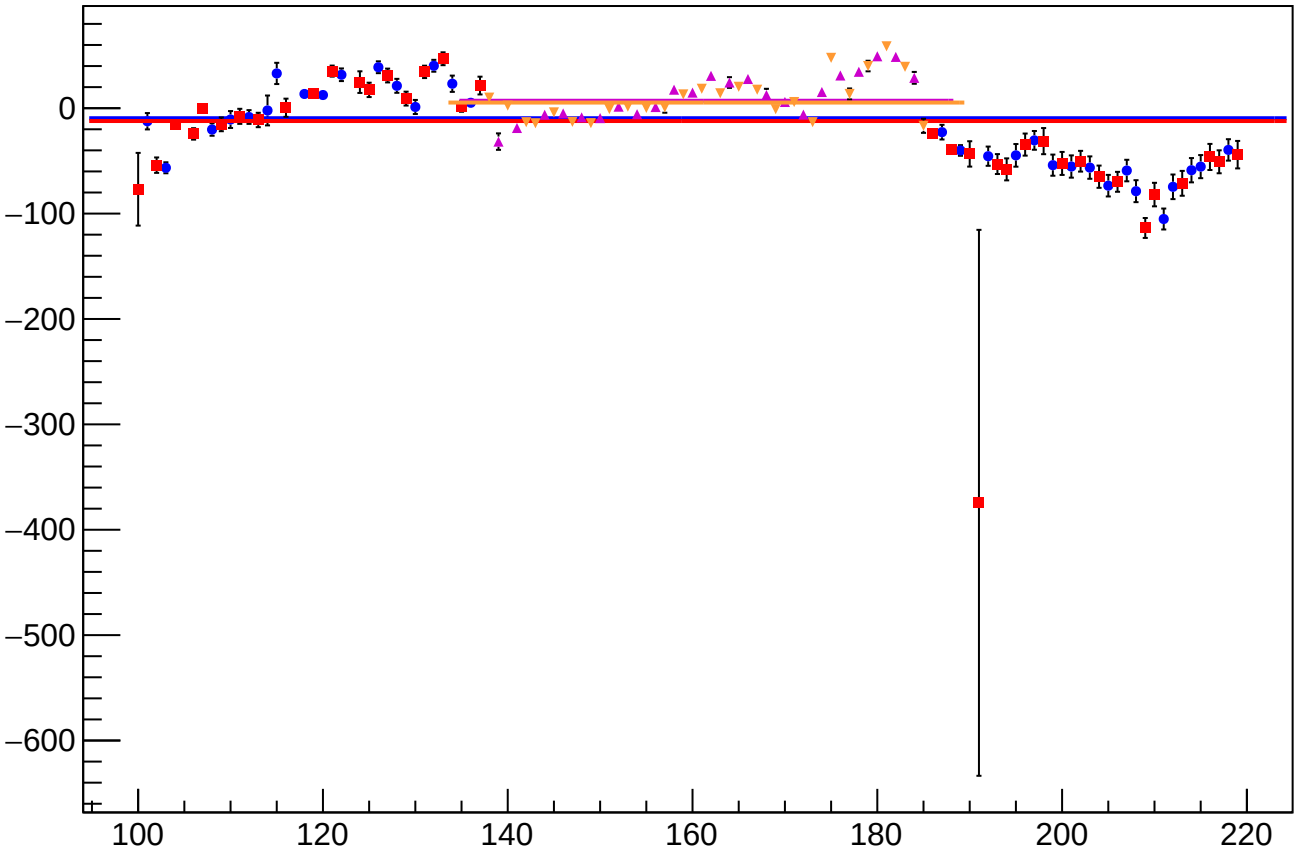
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 207.346+/-0.702 χ^2/NDF: 6438.0/68

In: 190.431+/-0.721 χ^2/NDF:4391.5/54

Out: 191.941+/-0.675 χ^2/NDF:7681.1/61

All: 191.236+/-0.493 χ^2/NDF: 12075.0/116



Right In: -9.507+/-1.219 χ^2/NDF: 830.0/31

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -12.163+/-1.104 χ^2/NDF: 877.9/36

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

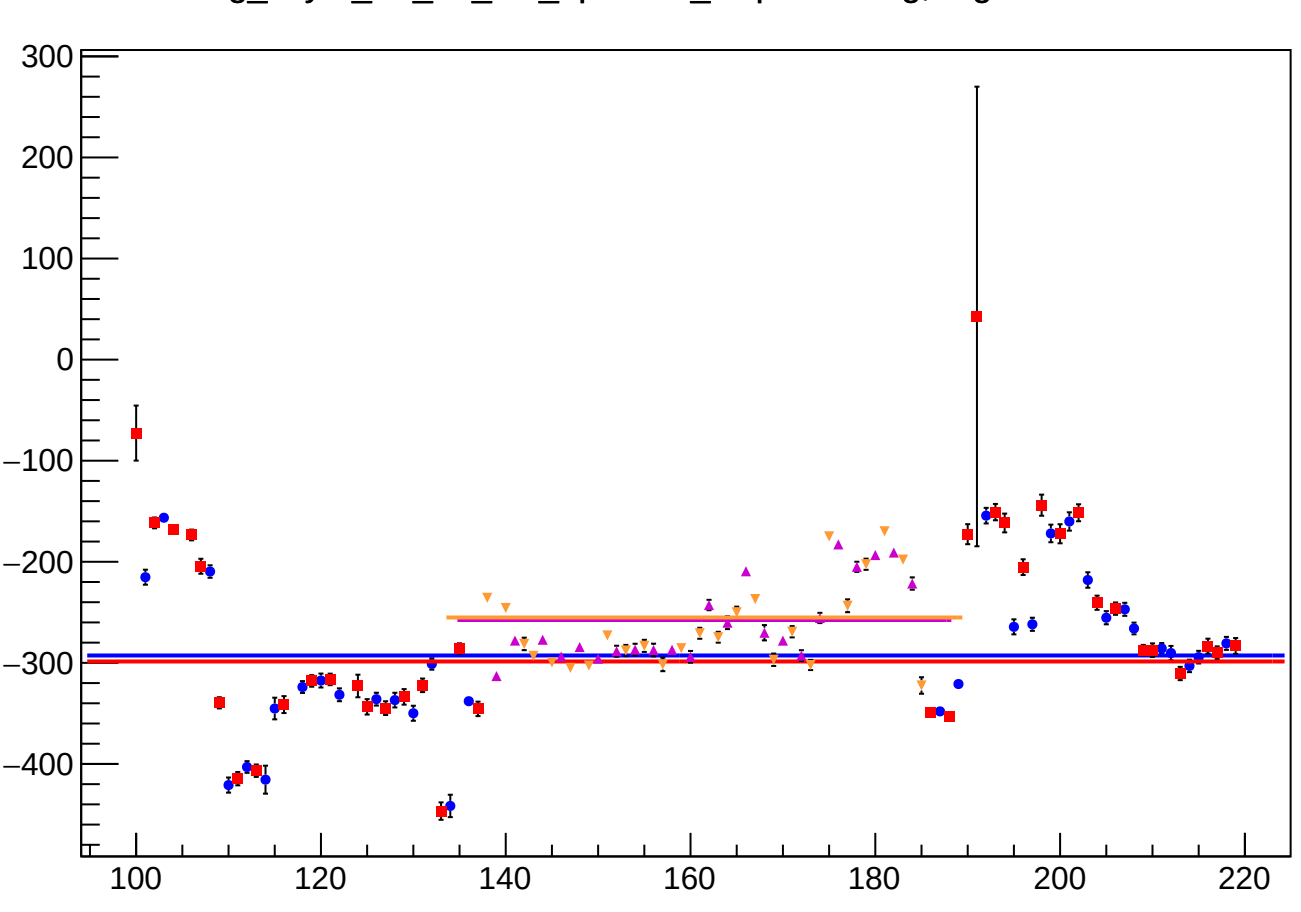
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -10.966+/-0.818 χ^2/NDF: 1710.5/68

In: 2.589+/-0.633 χ^2/NDF:1674.5/54

Out: 0.232+/-0.597 χ^2/NDF:1866.0/61

All: 1.342+/-0.435 χ^2/NDF: 3547.9/116



Right In: -292.702+/-1.061 χ^2/NDF: 4109.6/31

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -298.629+/-0.928 χ^2/NDF: 6725.0/36

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

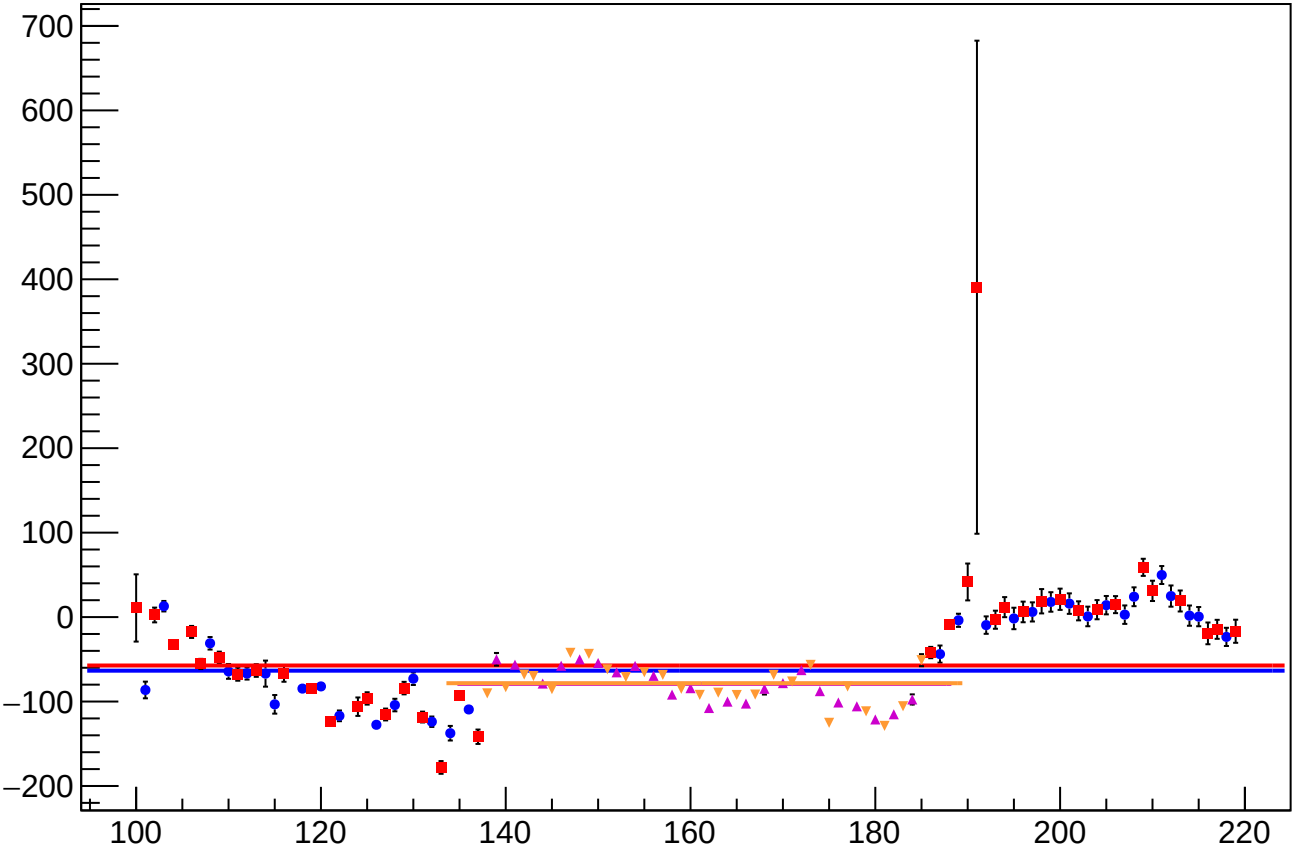
Right: -296.060+/-0.698 χ^2/NDF: 10852.3/68

In: -273.852+/-0.722 χ^2/NDF:6505.9/54

Out: -277.533+/-0.666 χ^2/NDF:10136.0/61

All: -275.841+/-0.489 χ^2/NDF: 16656.0/116

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.462+/-1.415 χ^2/NDF: 1395.5/31

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -57.327+/-1.319 χ^2/NDF: 1561.4/36

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

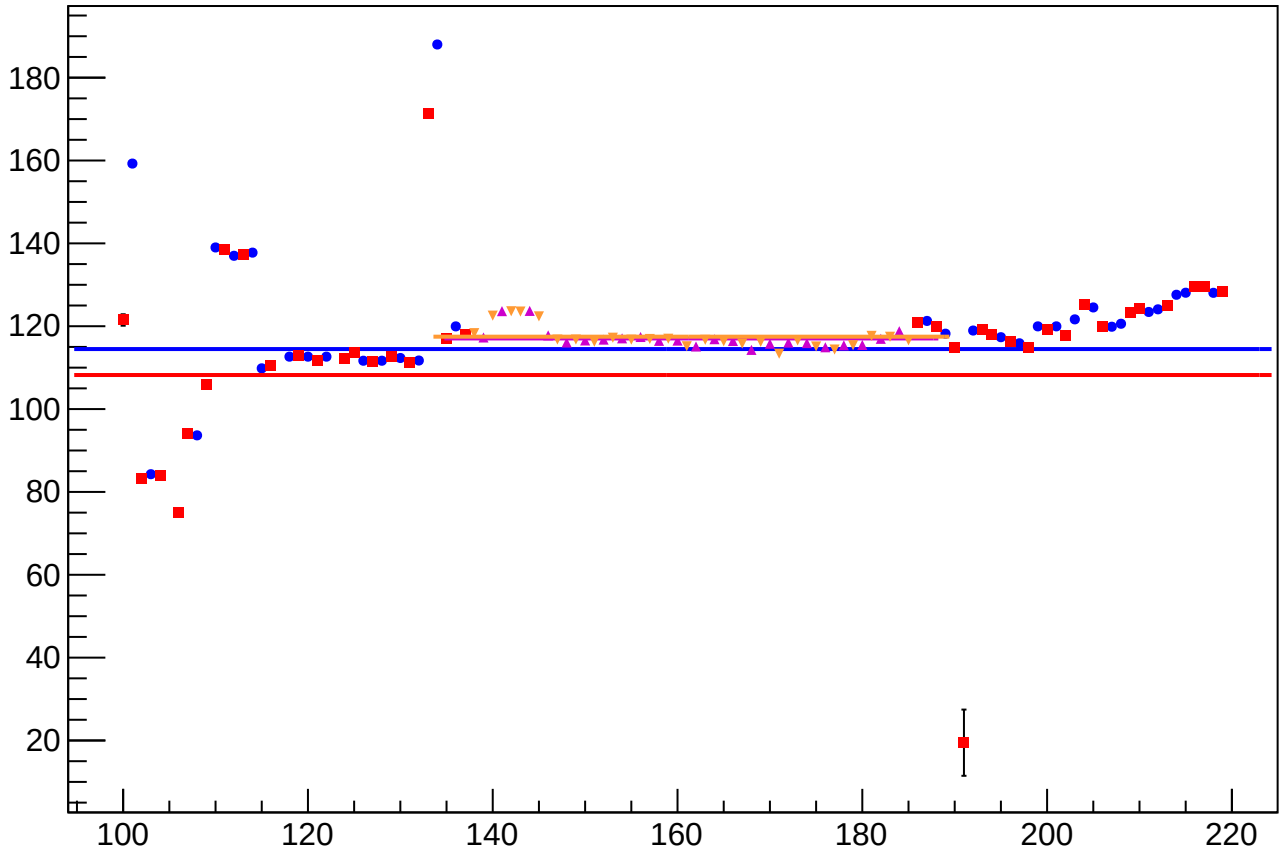
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -60.179+/-0.965 χ^2/NDF: 2967.0/68

In: -74.935+/-0.728 χ^2/NDF:2187.6/54

Out: -72.459+/-0.696 χ^2/NDF:2612.0/61

All: -73.641+/-0.503 χ^2/NDF: 4805.7/116



Right In: 114.488+/-0.067 χ^2/NDF: 89566.7/31

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 108.221+/-0.064 χ^2/NDF: 84438.0/36

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

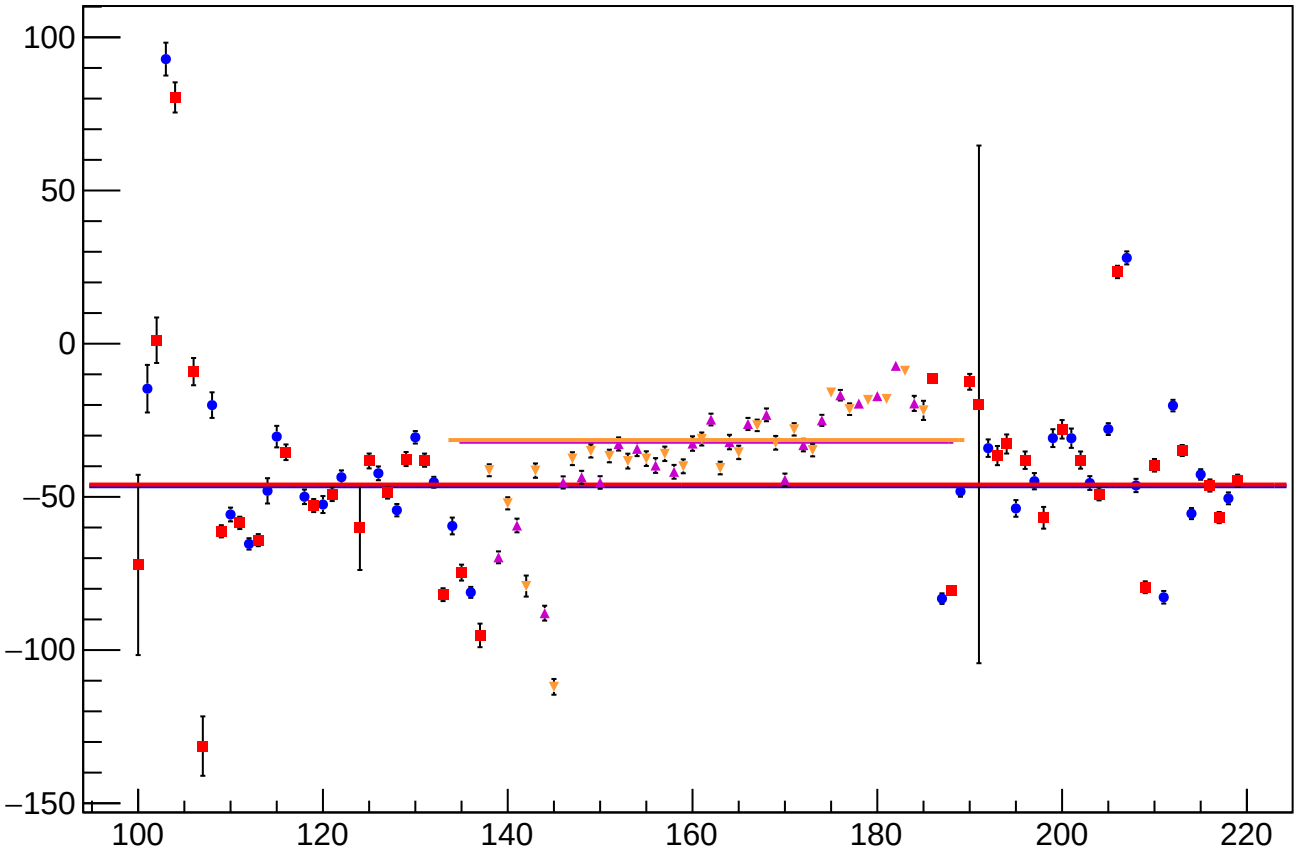
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 111.179+/-0.046 χ^2/NDF: 178576.3/68

In: 116.414+/-0.033 χ^2/NDF:93994.9/54

Out: 115.046+/-0.033 χ^2/NDF:104754.5/61

All: 115.712+/-0.023 χ^2/NDF: 199605.1/116



Right In: -46.531+/-0.398 χ^2/NDF: 3747.2/31

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -45.970+/-0.365 χ^2/NDF: 5779.5/36

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

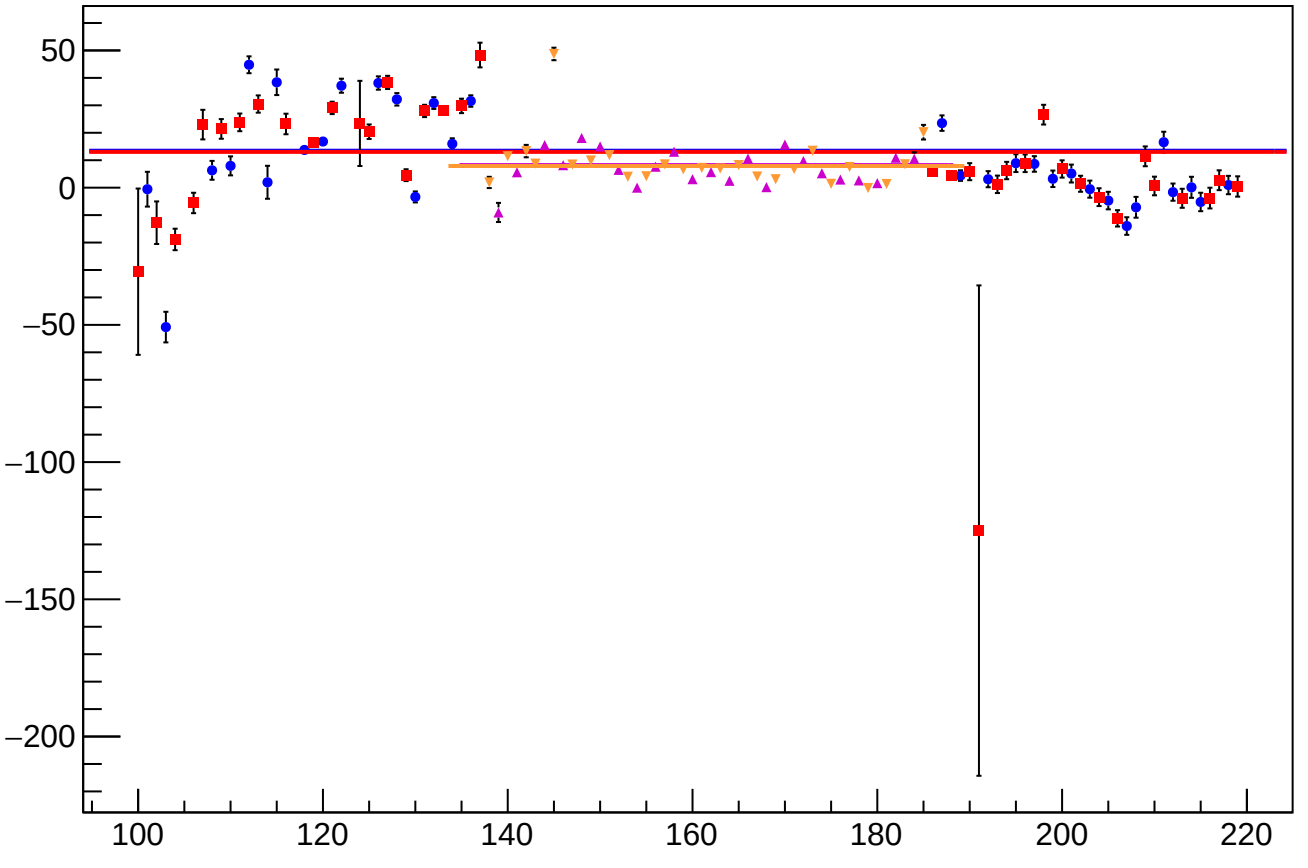
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -46.225+/-0.269 χ^2/NDF: 9527.7/68

In: -39.467+/-0.285 χ^2/NDF:6306.8/54

Out: -39.363+/-0.269 χ^2/NDF:8493.5/61

All: -39.412+/-0.196 χ^2/NDF: 14800.4/116



Right In: 13.459+/-0.477 χ^2/NDF: 1059.5/31

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 13.045+/-0.444 χ^2/NDF: 896.3/36

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

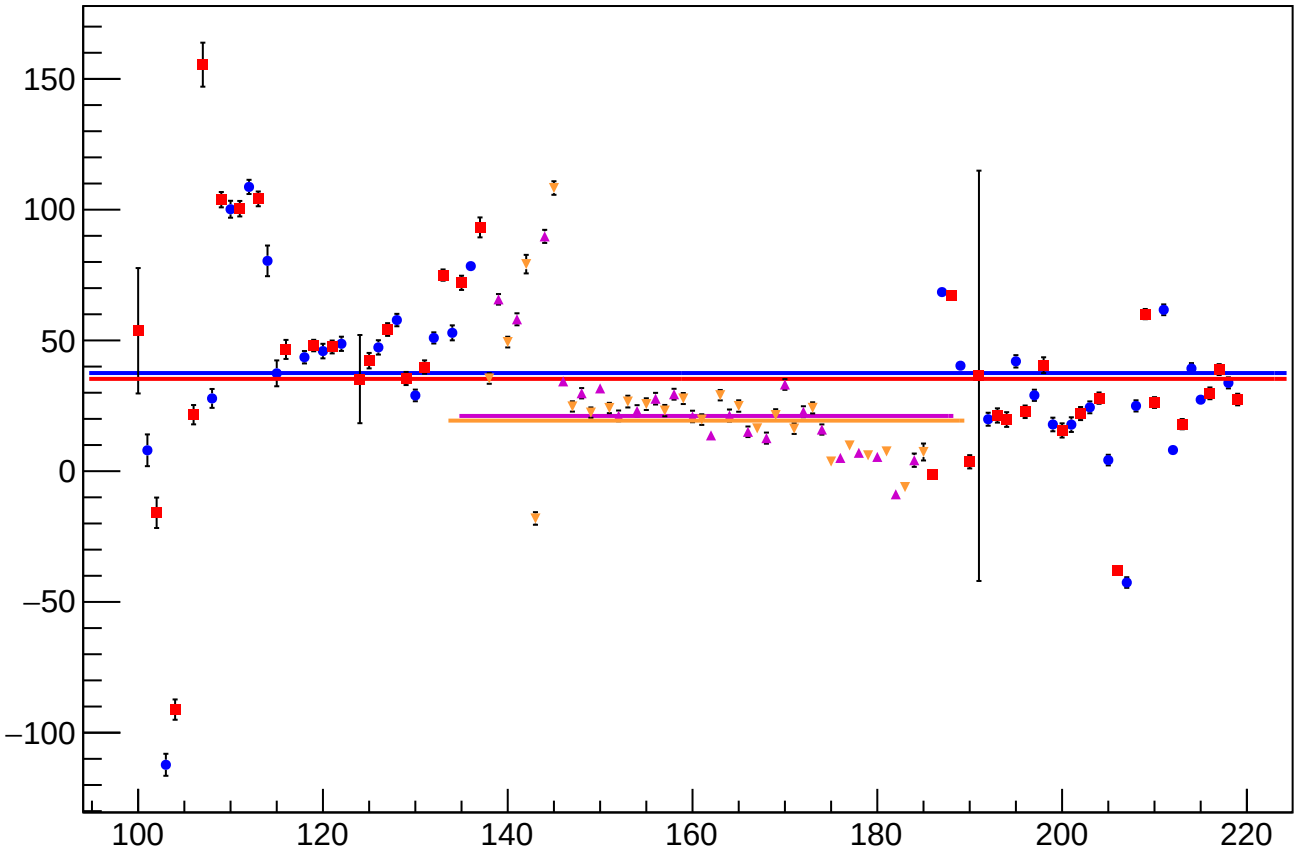
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 13.237+/-0.325 χ^2/NDF: 1956.2/68

In: 9.816+/-0.263 χ^2/NDF:1482.0/54

Out: 9.539+/-0.251 χ^2/NDF:1478.4/61

All: 9.671+/-0.182 χ^2/NDF: 2961.1/116



Right In: 37.527+/-0.408 χ^2/NDF: 6090.1/31

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 35.296+/-0.357 χ^2/NDF: 9388.5/36

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

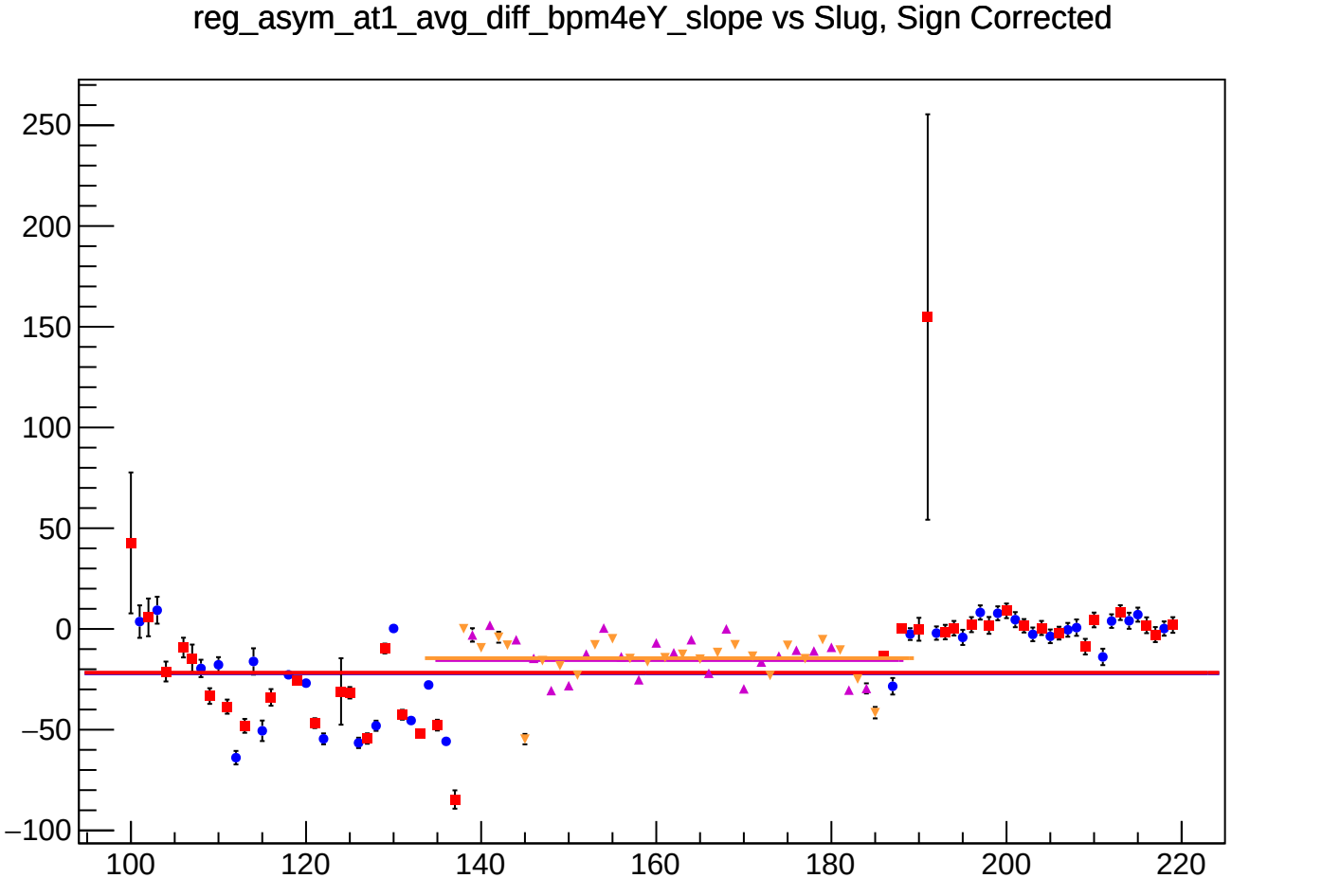
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

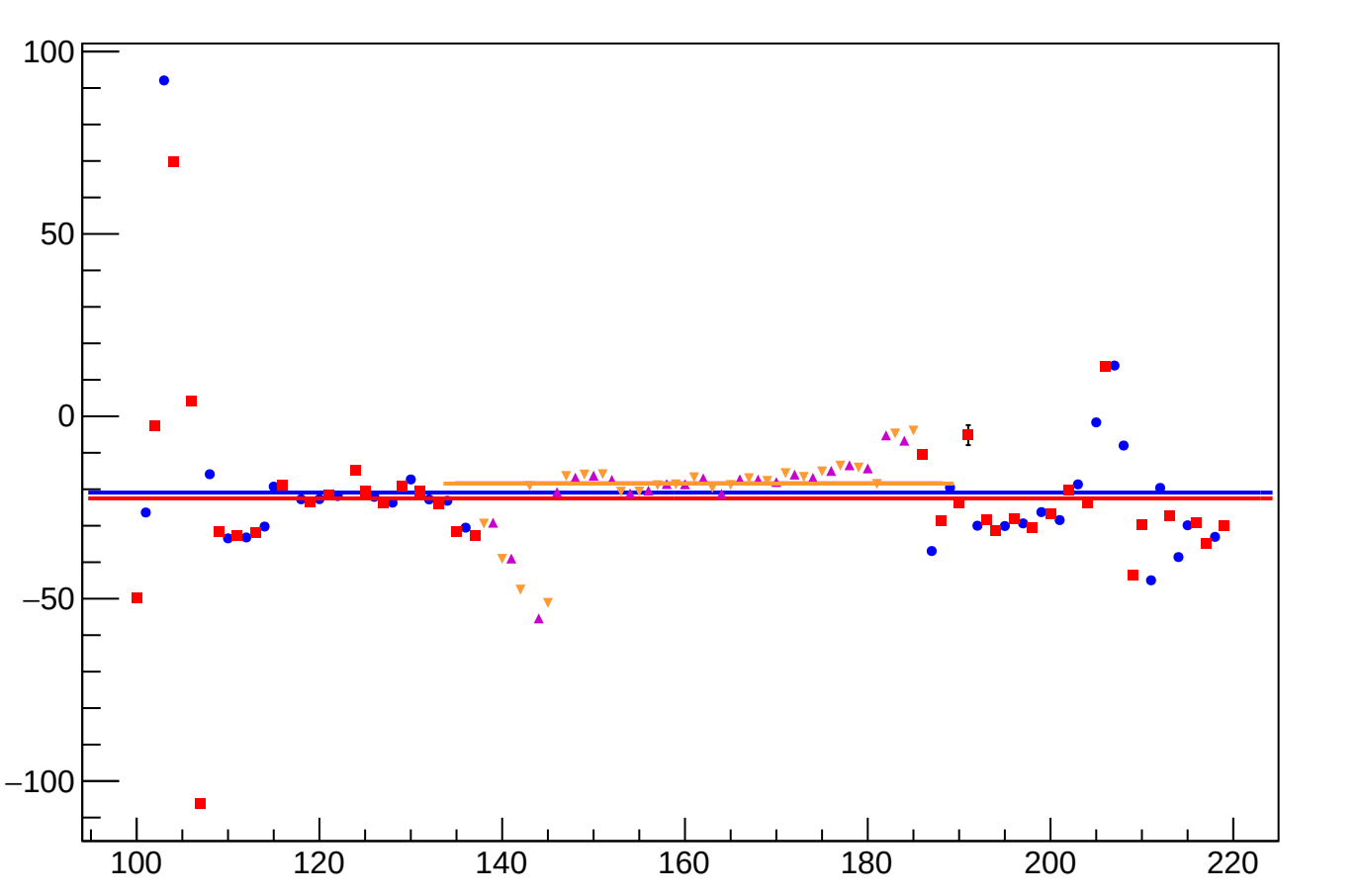
Right: 36.264+/-0.269 χ^2/NDF: 15495.4/68

In: 29.254+/-0.287 χ^2/NDF:9408.7/54

Out: 28.124+/-0.265 χ^2/NDF:12966.7/61

All: 28.643+/-0.195 χ^2/NDF: 22383.8/116


reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -21.988+/-0.550 χ²/NDF: 1772.5/31
Left Out: -14.502+/-0.344 χ²/NDF:641.0/24
Right Out: -21.715+/-0.530 χ²/NDF: 1761.5/36
Left In: -15.417+/-0.355 χ²/NDF:798.7/22
Left: -14.945+/-0.247 χ²/NDF: 1443.2/47
Right: -21.847+/-0.382 χ²/NDF: 3534.0/68
In: -17.351+/-0.298 χ²/NDF:2671.9/54
Out: -16.638+/-0.289 χ²/NDF:2532.7/61
All: -16.983+/-0.207 χ²/NDF: 5207.5/116



Right In: -20.906+/-0.027 χ^2/NDF: 585676.2/31

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -22.502+/-0.026 χ^2/NDF: 489082.2/36

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

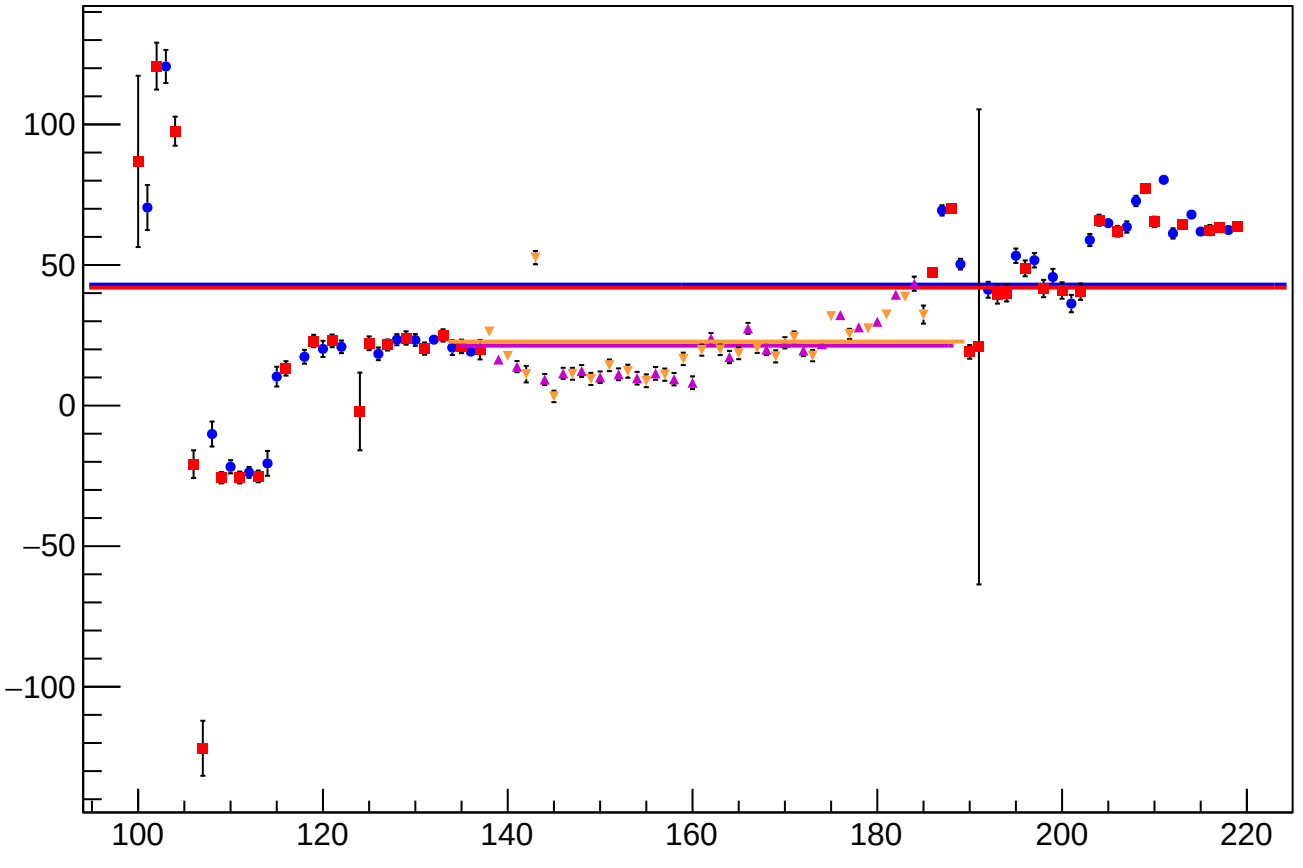
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -21.715+/-0.019 χ^2/NDF: 1076553.9/68

In: -19.027+/-0.014 χ^2/NDF:842334.2/54

Out: -19.483+/-0.013 χ^2/NDF:801921.2/61

All: -19.259+/-0.010 χ^2/NDF: 1644828.4/116



Right In: 43.022+/-0.385 χ^2/NDF: 5454.1/31

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 41.983+/-0.363 χ^2/NDF: 6973.9/36

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

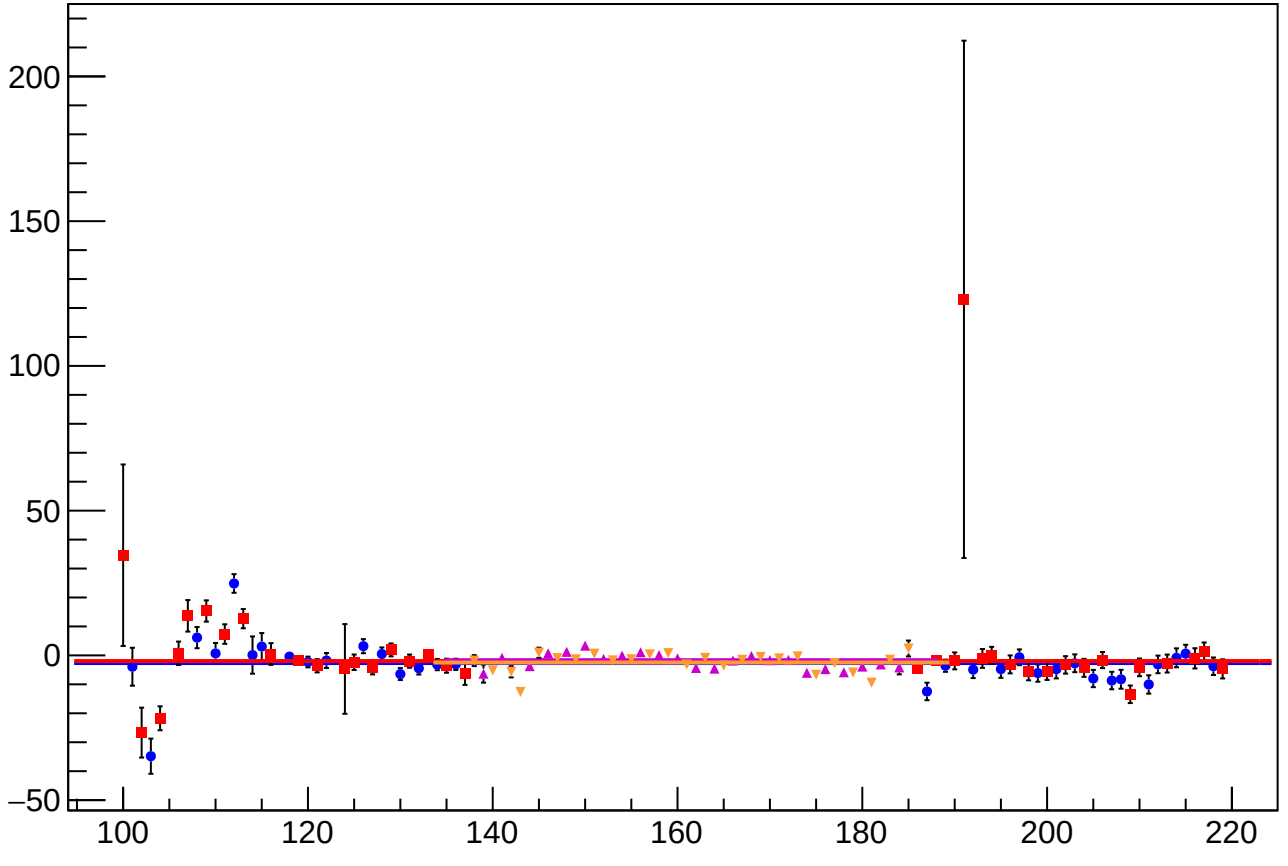
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 42.472+/-0.264 χ^2/NDF: 12431.8/68

In: 32.378+/-0.275 χ^2/NDF:7638.5/54

Out: 32.871+/-0.263 χ^2/NDF:9023.2/61

All: 32.635+/-0.190 χ^2/NDF: 16663.4/116



Right In: -2.646+/-0.474 χ^2/NDF: 154.9/31

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.959+/-0.452 χ^2/NDF: 123.5/36

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

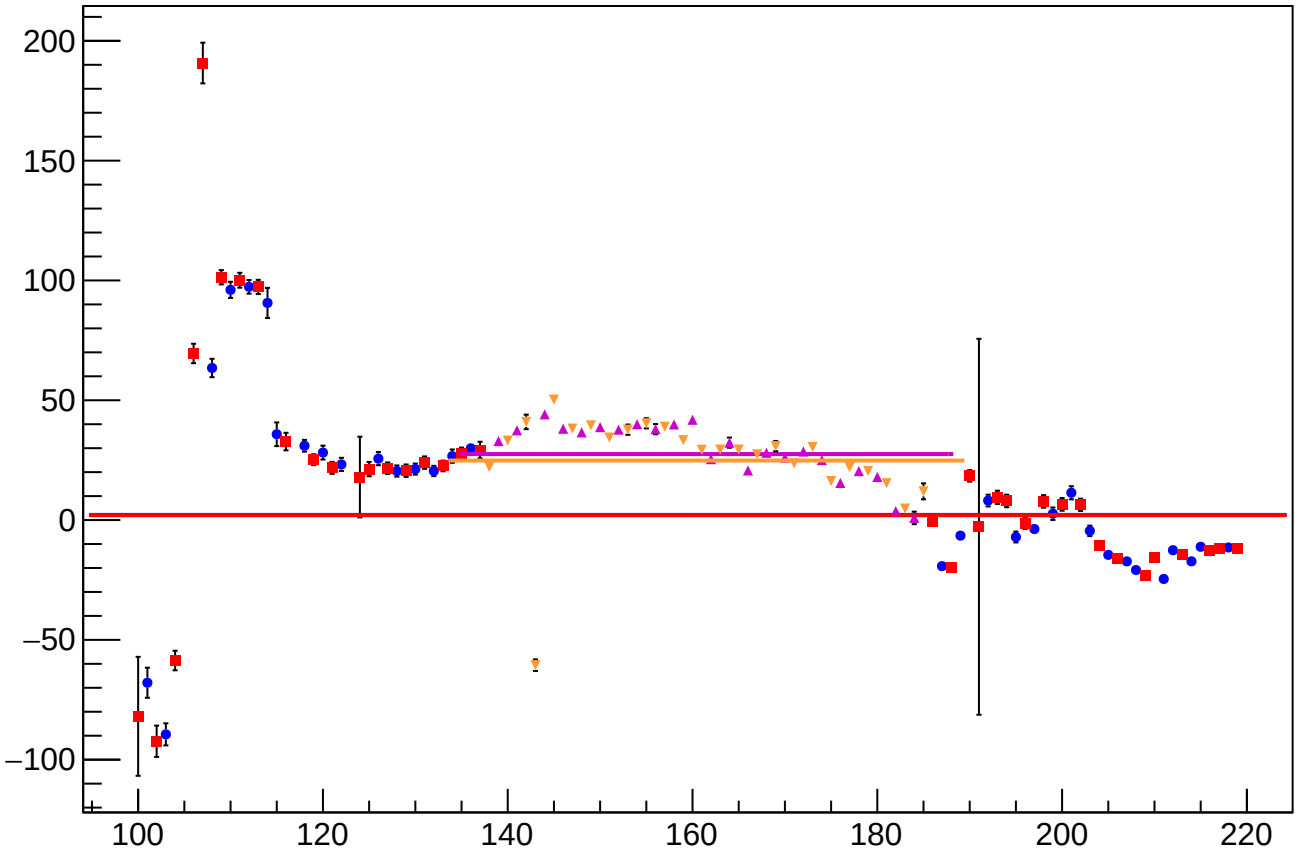
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -2.287+/-0.327 χ^2/NDF: 279.4/68

In: -1.947+/-0.256 χ^2/NDF:228.2/54

Out: -2.318+/-0.246 χ^2/NDF:241.1/61

All: -2.140+/-0.177 χ^2/NDF: 470.3/116



Right In: 2.148+/-0.397 χ^2/NDF: 4976.1/31

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 2.050+/-0.363 χ^2/NDF: 6475.5/36

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

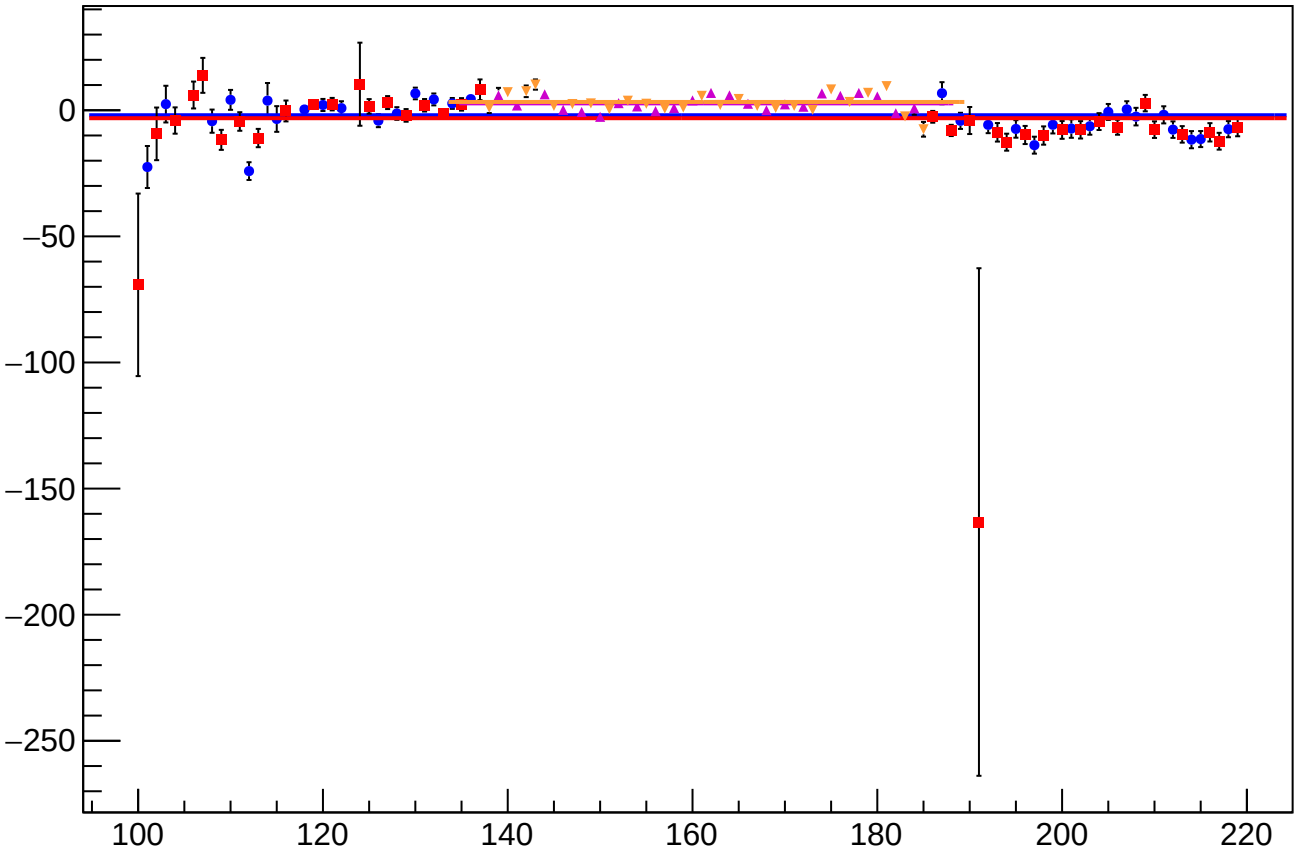
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 2.095+/-0.268 χ^2/NDF: 11451.7/68

In: 15.113+/-0.278 χ^2/NDF:7947.4/54

Out: 12.926+/-0.262 χ^2/NDF:10409.2/61

All: 13.956+/-0.191 χ^2/NDF: 18389.4/116



Right In: -1.972+/-0.541 χ^2/NDF: 141.6/31

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -3.153+/-0.532 χ^2/NDF: 112.7/36

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

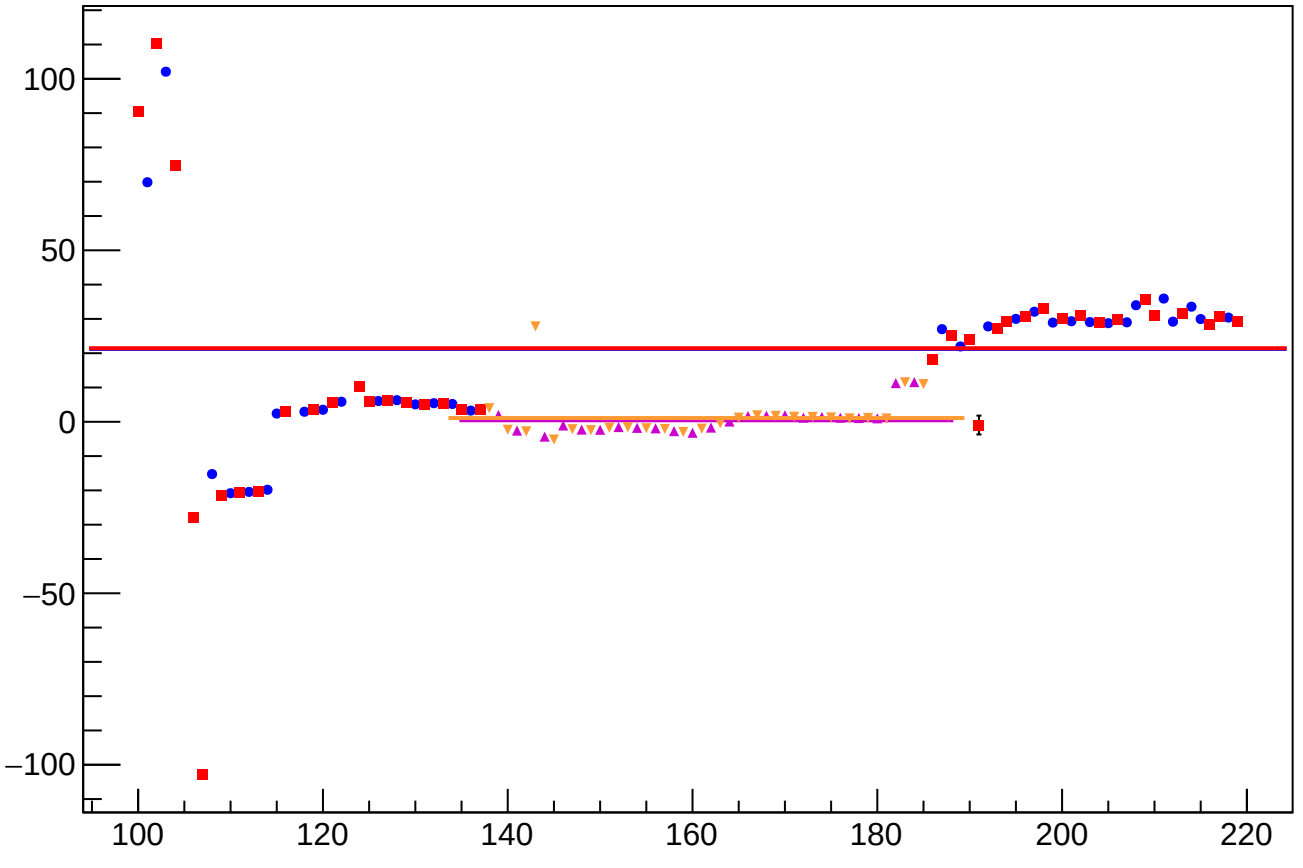
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -2.572+/-0.379 χ^2/NDF: 256.6/68

In: 1.386+/-0.289 χ^2/NDF:270.0/54

Out: 1.489+/-0.281 χ^2/NDF:324.4/61

All: 1.439+/-0.202 χ^2/NDF: 594.5/116



Right In: 21.259+/-0.026 χ^2/NDF: 507278.2/31

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 21.442+/-0.026 χ^2/NDF: 647769.3/36

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

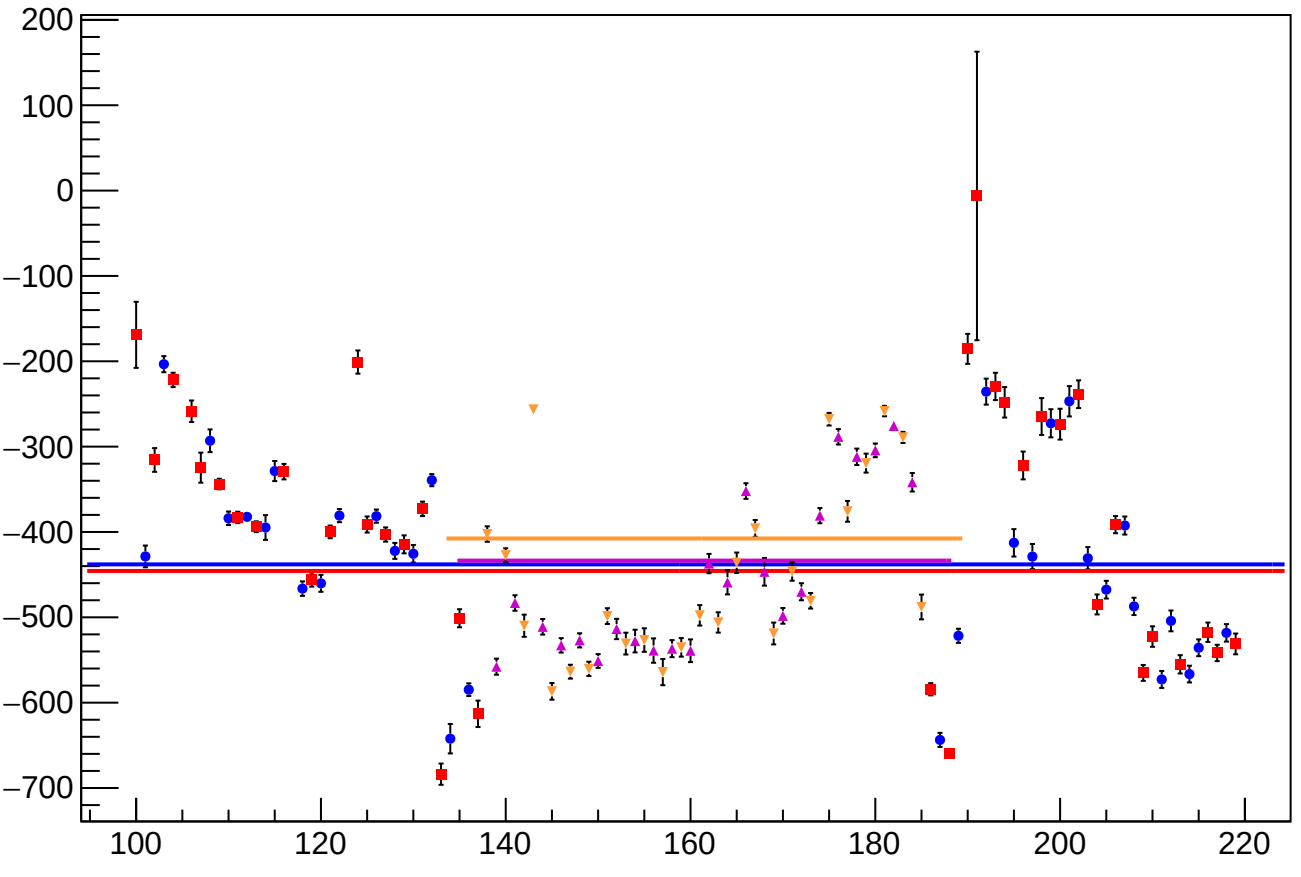
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 21.351+/-0.018 χ^2/NDF: 1155072.3/68

In: 5.699+/-0.013 χ^2/NDF:1041450.0/54

Out: 6.112+/-0.013 χ^2/NDF:1240303.2/61

All: 5.908+/-0.009 χ^2/NDF: 2282259.6/116



Right In: -437.968+/-1.742 χ^2/NDF: 3529.6/31

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -445.669+/-1.610 χ^2/NDF: 6922.5/36

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

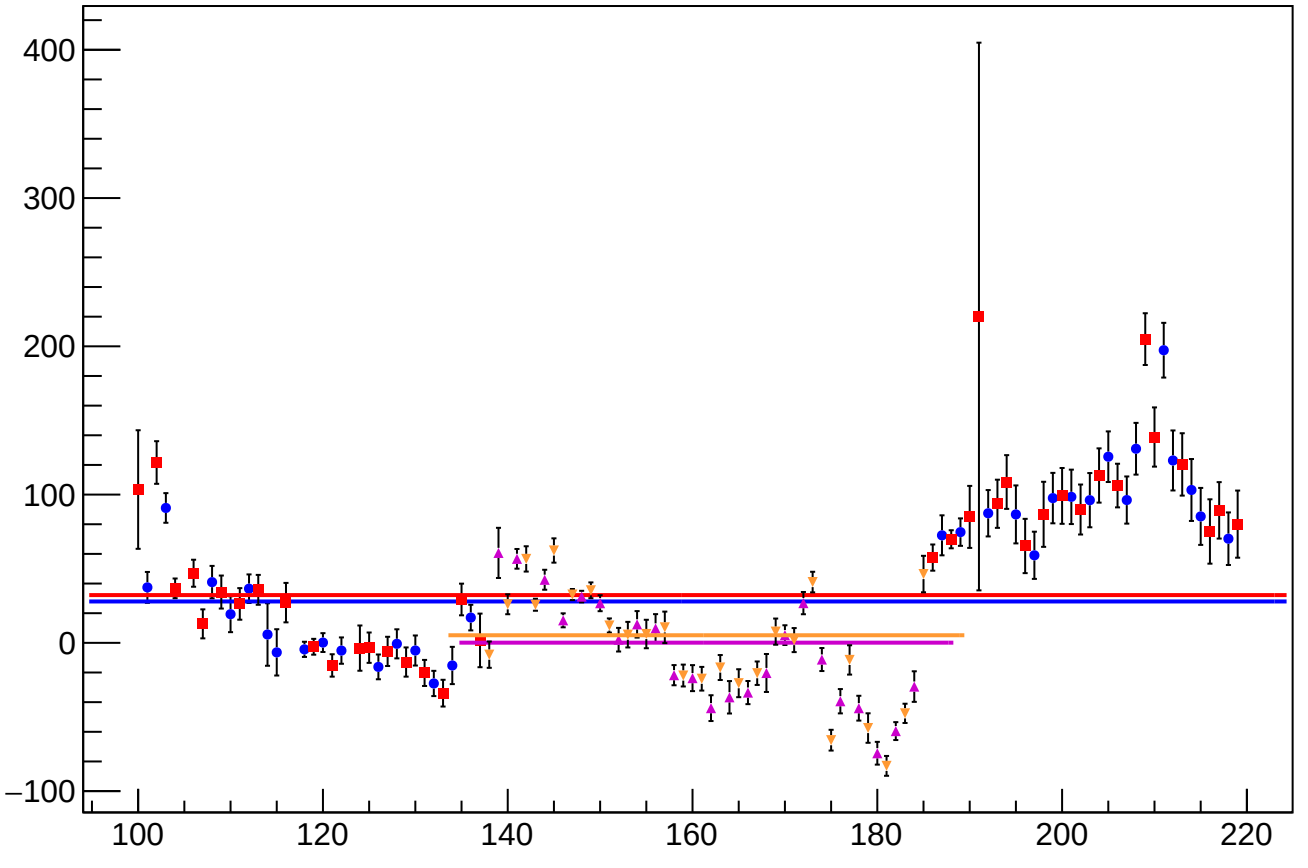
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -442.121+/-1.182 χ^2/NDF: 10462.6/68

In: -436.046+/-1.311 χ^2/NDF:6256.9/54

Out: -429.451+/-1.219 χ^2/NDF:11166.2/61

All: -432.509+/-0.893 χ^2/NDF: 17436.7/116



Right In: 27.913+/-1.974 χ^2/NDF: 554.0/31

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 32.213+/-1.857 χ^2/NDF: 602.8/36

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

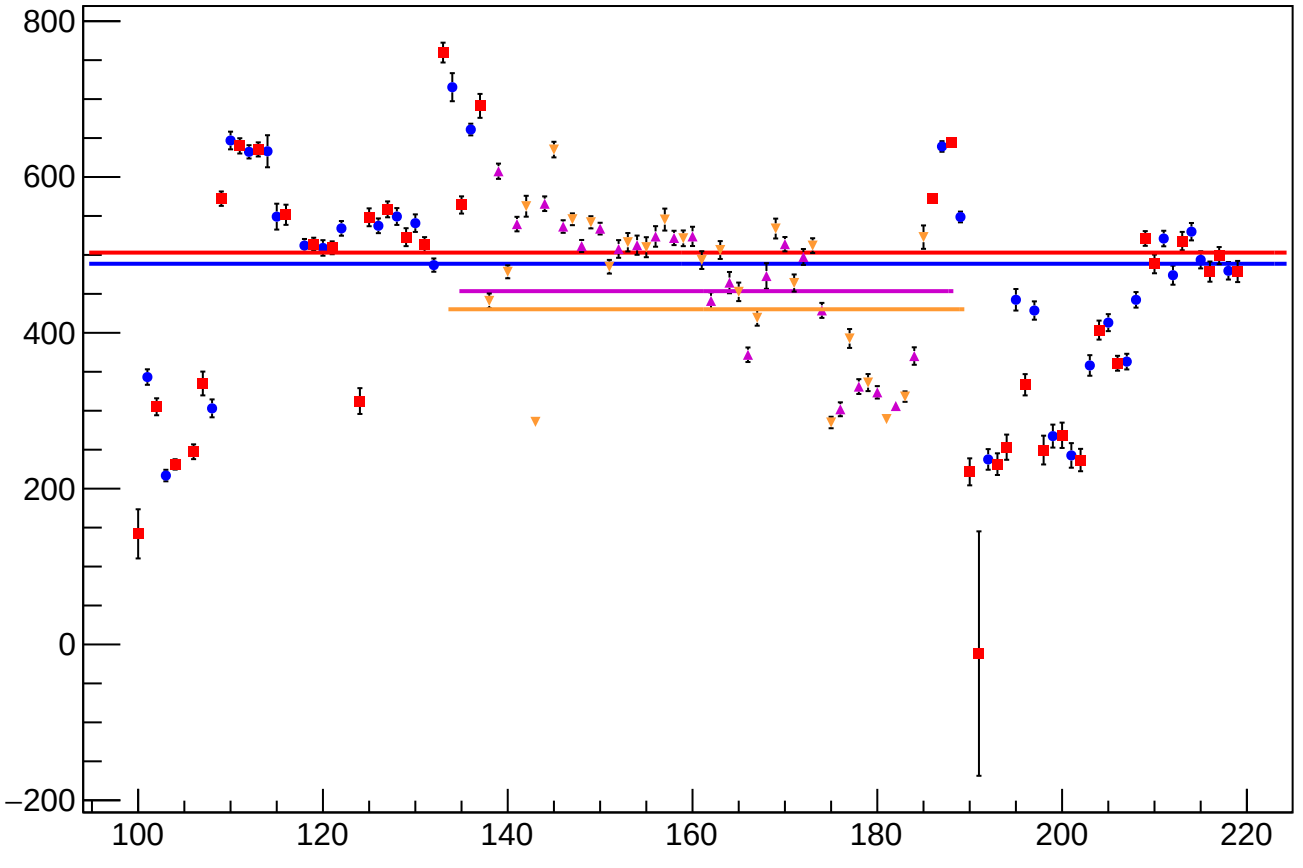
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 30.195+/-1.353 χ^2/NDF: 1159.4/68

In: 10.202+/-1.189 χ^2/NDF:1248.8/54

Out: 14.748+/-1.107 χ^2/NDF:1429.2/61

All: 12.637+/-0.810 χ^2/NDF: 2685.8/116



Right In: 488.642+/-1.810 χ^2/NDF: 4942.1/31

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 502.965+/-1.629 χ^2/NDF: 8080.5/36

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

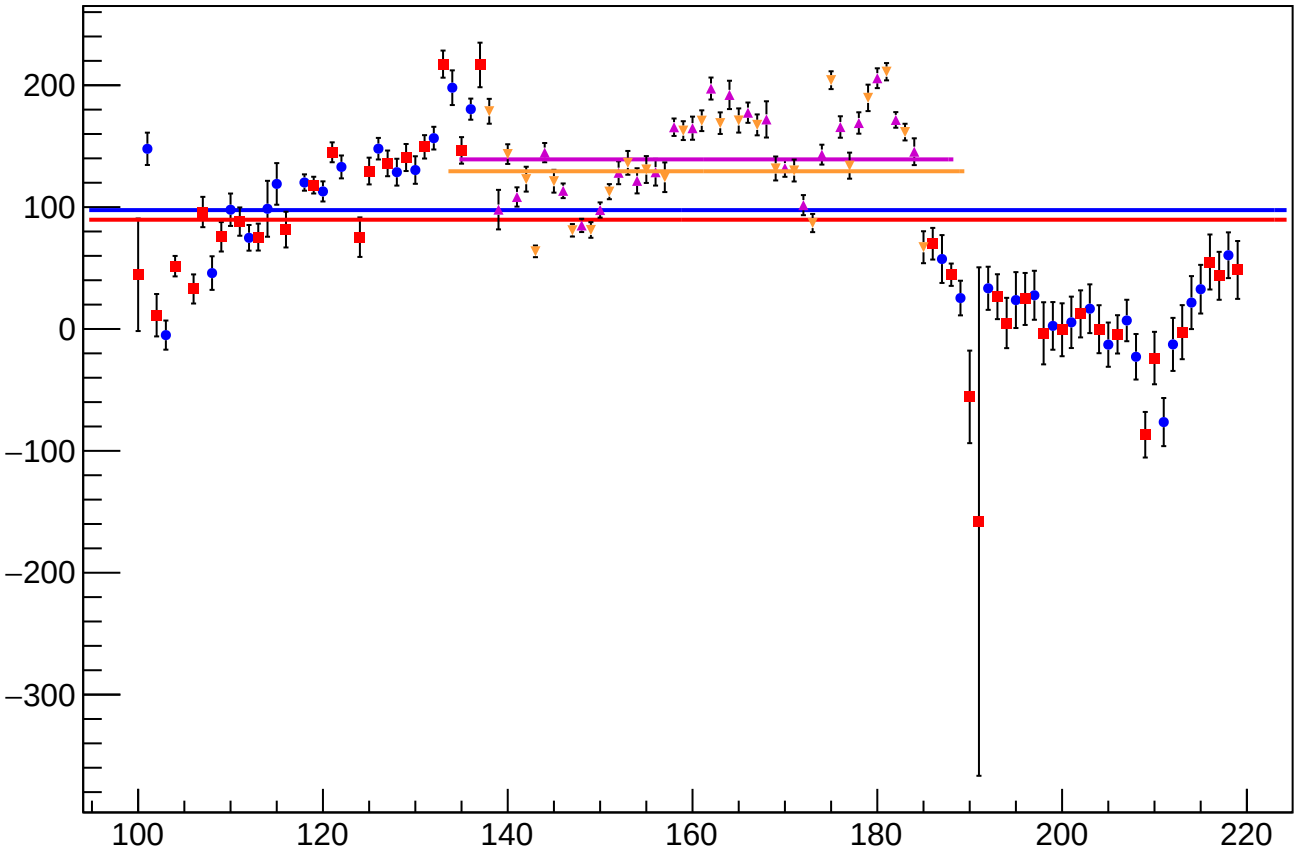
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 496.556+/-1.211 χ^2/NDF: 13057.1/68

In: 472.586+/-1.334 χ^2/NDF:7533.9/54

Out: 471.414+/-1.226 χ^2/NDF:12350.2/61

All: 471.951+/-0.903 χ^2/NDF: 19884.5/116



Right In: 97.547+/-2.301 χ^2/NDF: 729.1/31

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 89.651+/-2.199 χ^2/NDF: 760.5/36

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

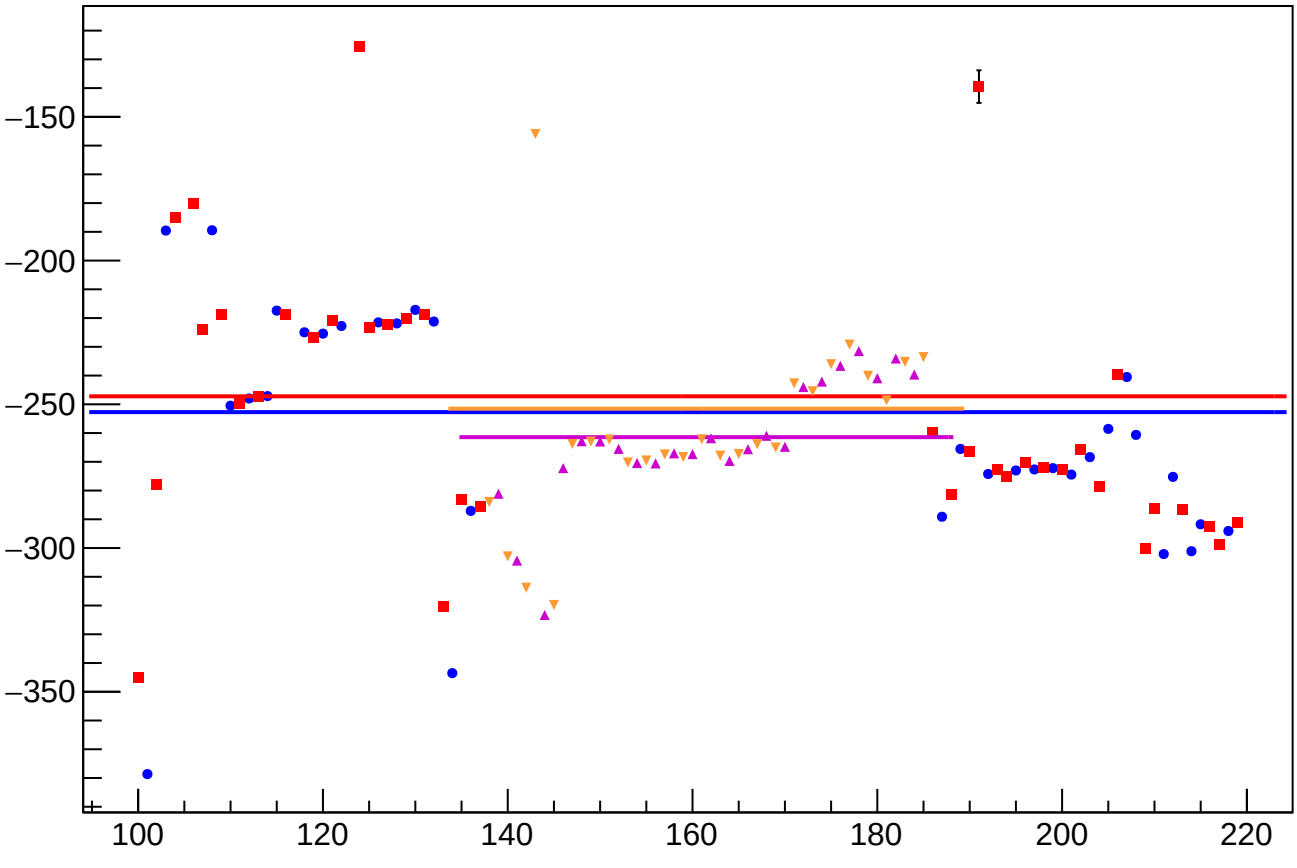
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 93.420+/-1.590 χ^2/NDF: 1495.7/68

In: 124.414+/-1.370 χ^2/NDF:1374.5/54

Out: 115.736+/-1.290 χ^2/NDF:1789.3/61

All: 119.814+/-0.939 χ^2/NDF: 3185.0/116



Right In: -252.724+/-0.117 χ^2/NDF: 156928.7/31

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -247.222+/-0.114 χ^2/NDF: 123901.4/36

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

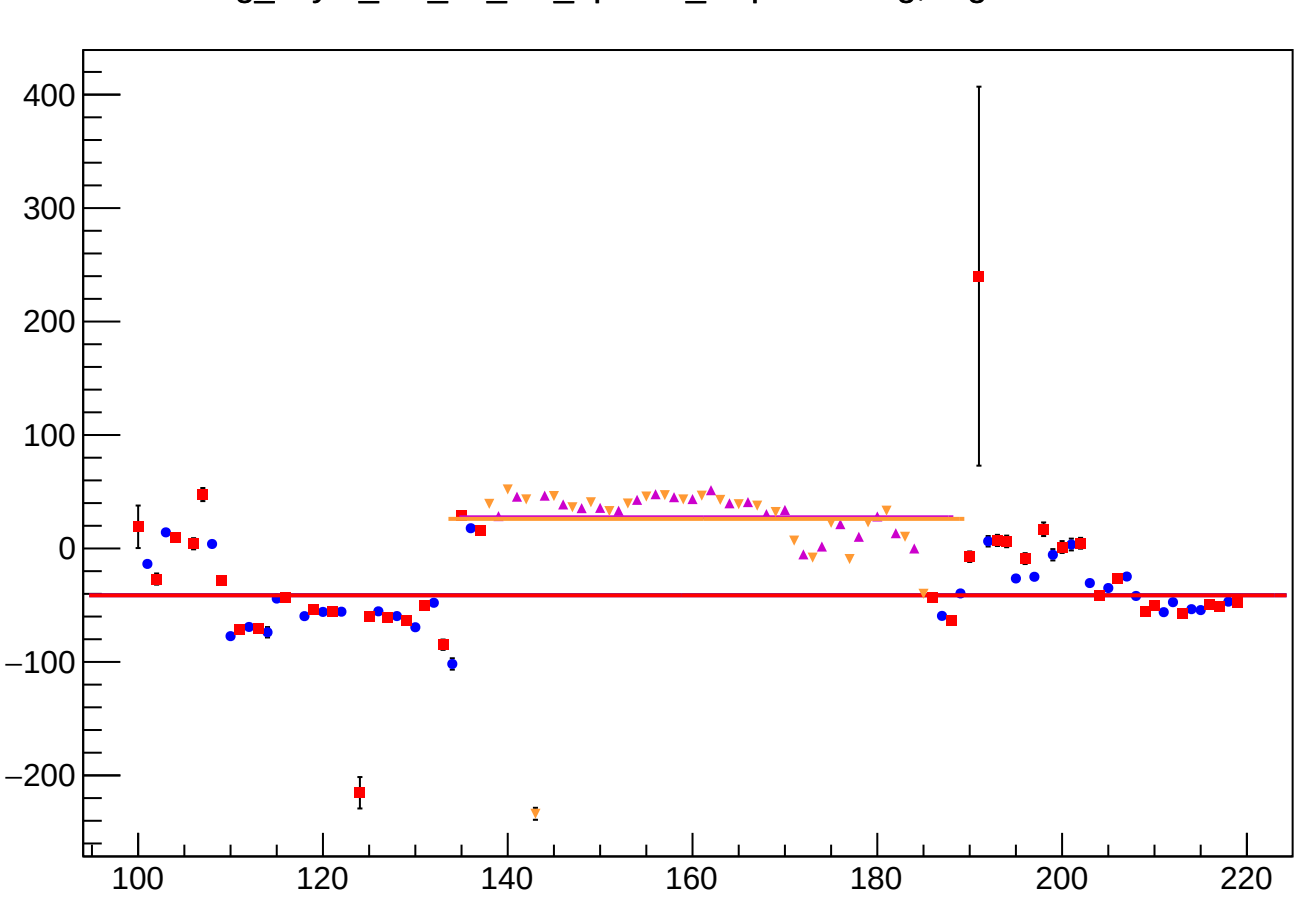
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -249.885+/-0.082 χ^2/NDF: 281965.2/68

In: -258.763+/-0.065 χ^2/NDF:230304.7/54

Out: -250.217+/-0.062 χ^2/NDF:379820.2/61

All: -254.321+/-0.045 χ^2/NDF: 619144.4/116



Right In: -41.194+/-0.531 χ^2/NDF: 2846.0/31

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -41.298+/-0.486 χ^2/NDF: 3377.7/36

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

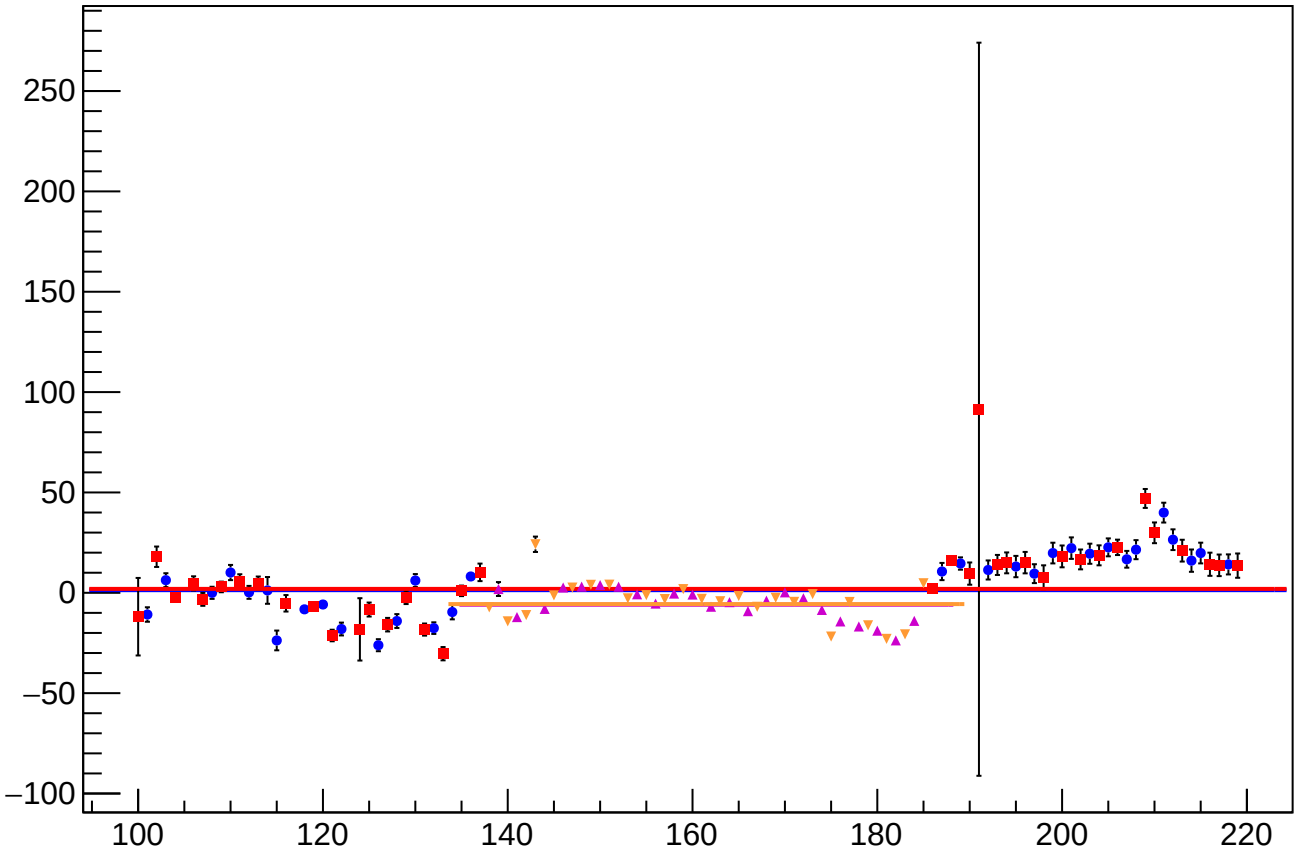
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -41.251+/-0.359 χ^2/NDF: 6223.7/68

In: 2.939+/-0.317 χ^2/NDF:15205.3/54

Out: -0.258+/-0.304 χ^2/NDF:19853.1/61

All: 1.272+/-0.220 χ^2/NDF: 35111.3/116



Right In: 1.311+/-0.632 χ^2/NDF: 526.3/31

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: 1.950+/-0.592 χ^2/NDF: 560.5/36

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

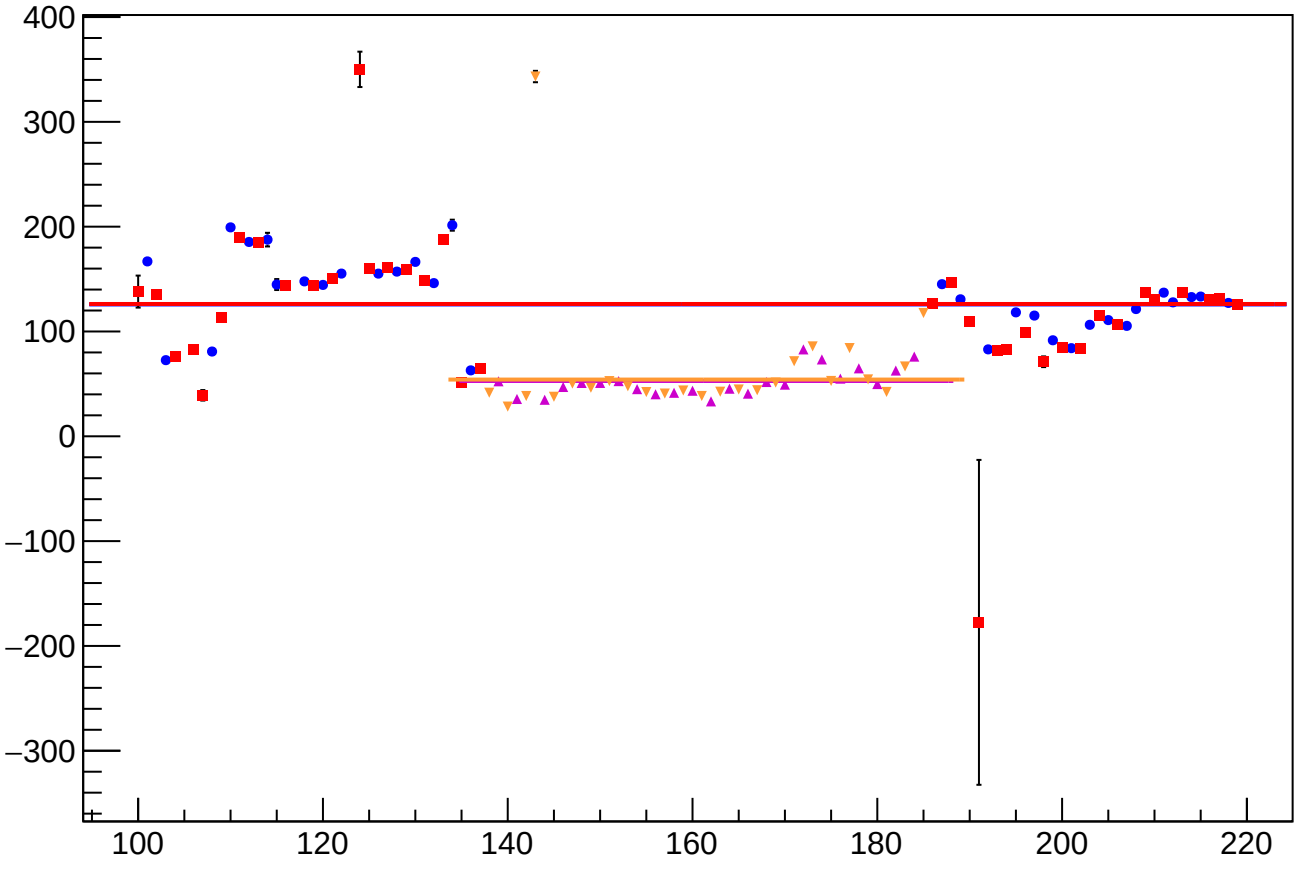
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: 1.651+/-0.432 χ^2/NDF: 1087.3/68

In: -4.541+/-0.278 χ^2/NDF:1344.7/54

Out: -4.063+/-0.269 χ^2/NDF:1583.6/61

All: -4.295+/-0.193 χ^2/NDF: 2929.8/116



Right In: 125.799+/-0.549 χ^2/NDF: 4148.6/31

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 126.234+/-0.495 χ^2/NDF: 4460.0/36

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

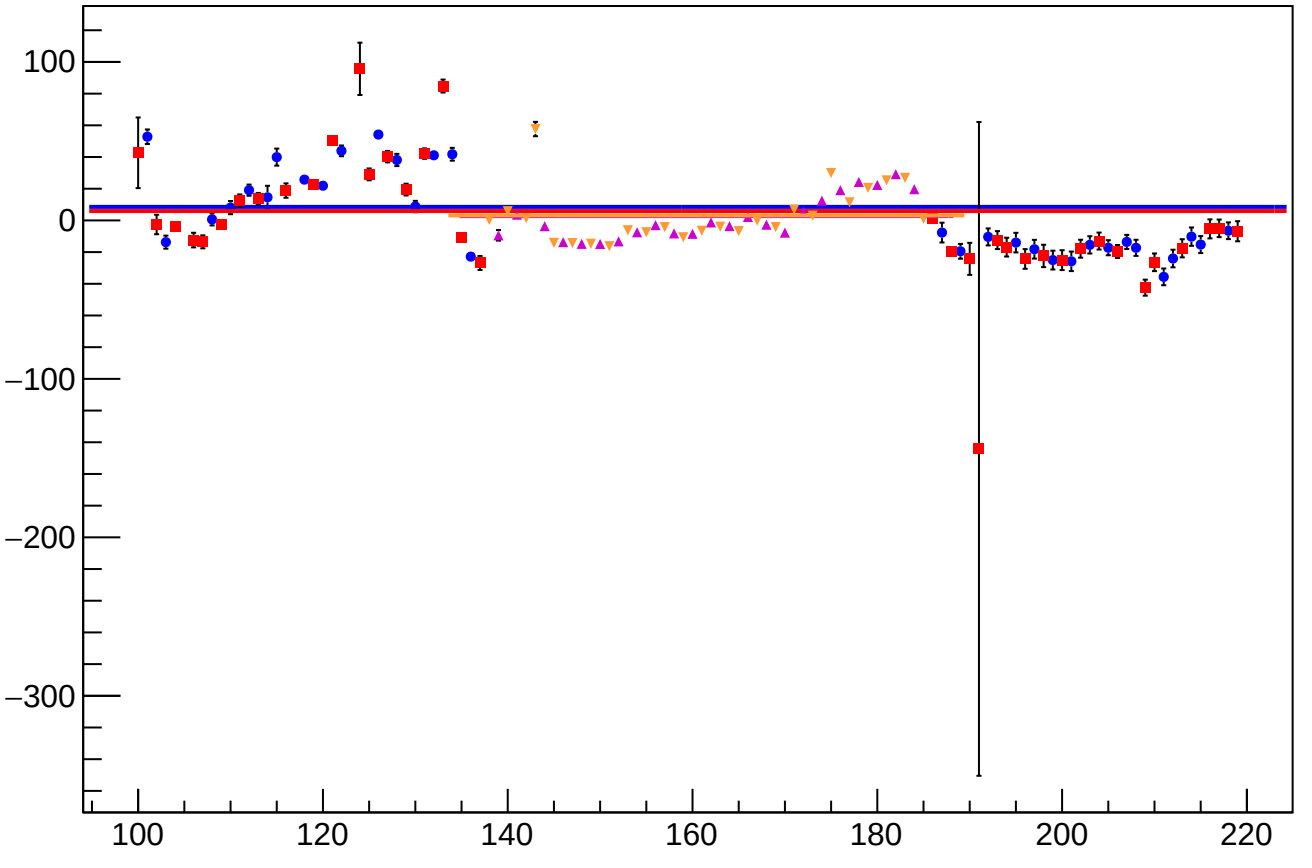
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 126.039+/-0.368 χ^2/NDF: 8608.9/68

In: 77.496+/-0.319 χ^2/NDF:16824.8/54

Out: 81.511+/-0.305 χ^2/NDF:22219.9/61

All: 79.596+/-0.221 χ^2/NDF: 39127.4/116



Right In: 8.542+/-0.725 χ^2/NDF: 1400.8/31

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 5.901+/-0.696 χ^2/NDF: 1479.7/36

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

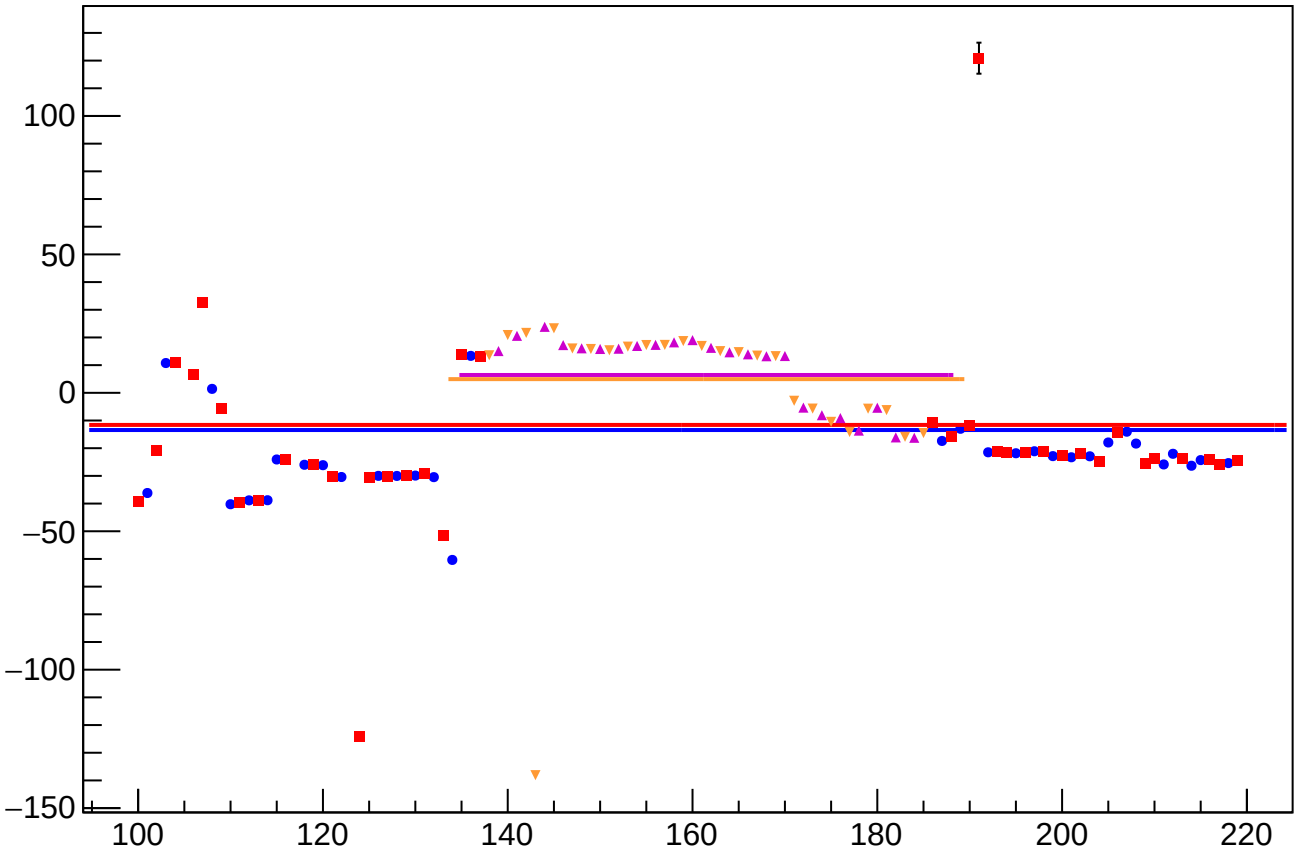
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 7.169+/-0.502 χ^2/NDF: 2887.4/68

In: 3.806+/-0.313 χ^2/NDF:3188.4/54

Out: 3.683+/-0.305 χ^2/NDF:3504.6/61

All: 3.743+/-0.219 χ^2/NDF: 6693.1/116



Right In: -13.440+/-0.035 χ^2/NDF: 305447.4/31

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -11.593+/-0.034 χ^2/NDF: 287041.7/36

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

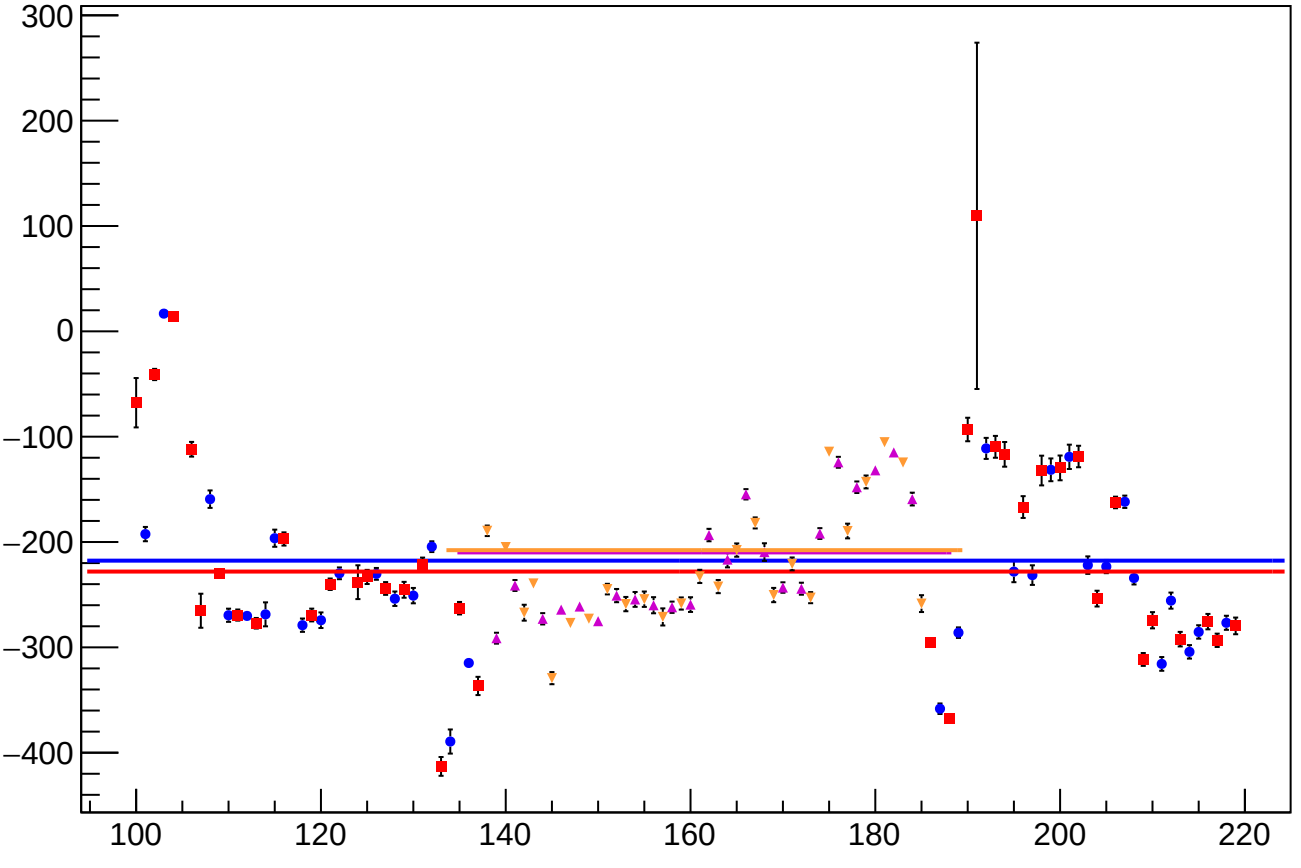
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -12.512+/-0.024 χ^2/NDF: 593916.4/68

In: 3.184+/-0.014 χ^2/NDF:1310686.0/54

Out: 2.250+/-0.014 χ^2/NDF:1616090.0/61

All: 2.714+/-0.010 χ^2/NDF: 2929012.3/116



Right In: -217.686+/-1.096 χ^2/NDF: 9528.0/31

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -228.050+/-1.017 χ^2/NDF: 12867.4/36

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

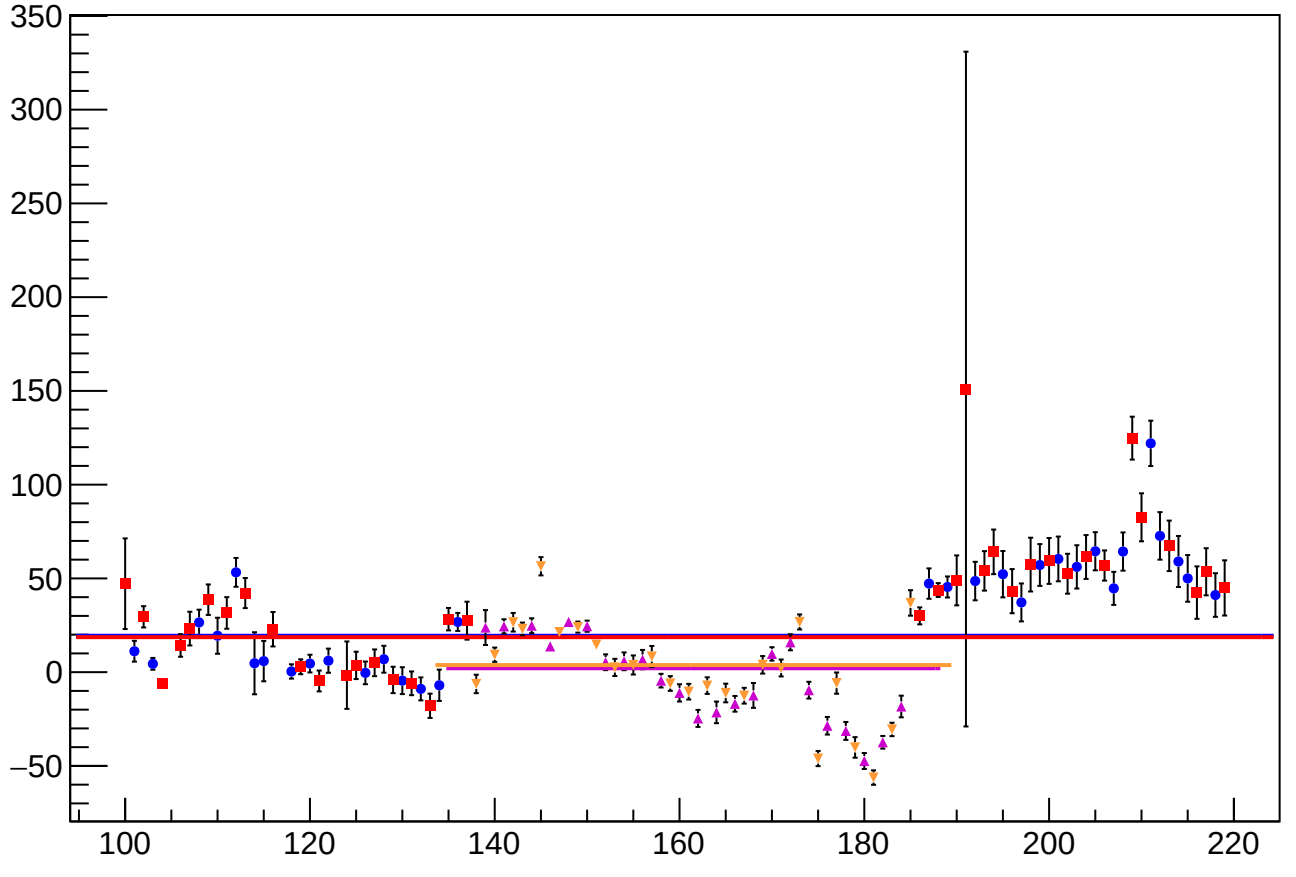
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -223.256+/-0.746 χ^2/NDF: 22443.5/68

In: -213.799+/-0.777 χ^2/NDF:12565.2/54

Out: -218.410+/-0.737 χ^2/NDF:16543.8/61

All: -216.226+/-0.535 χ^2/NDF: 29127.5/116



Right In: 19.408+/-1.247 χ^2/NDF: 385.4/31

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 18.668+/-1.137 χ^2/NDF: 522.1/36

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

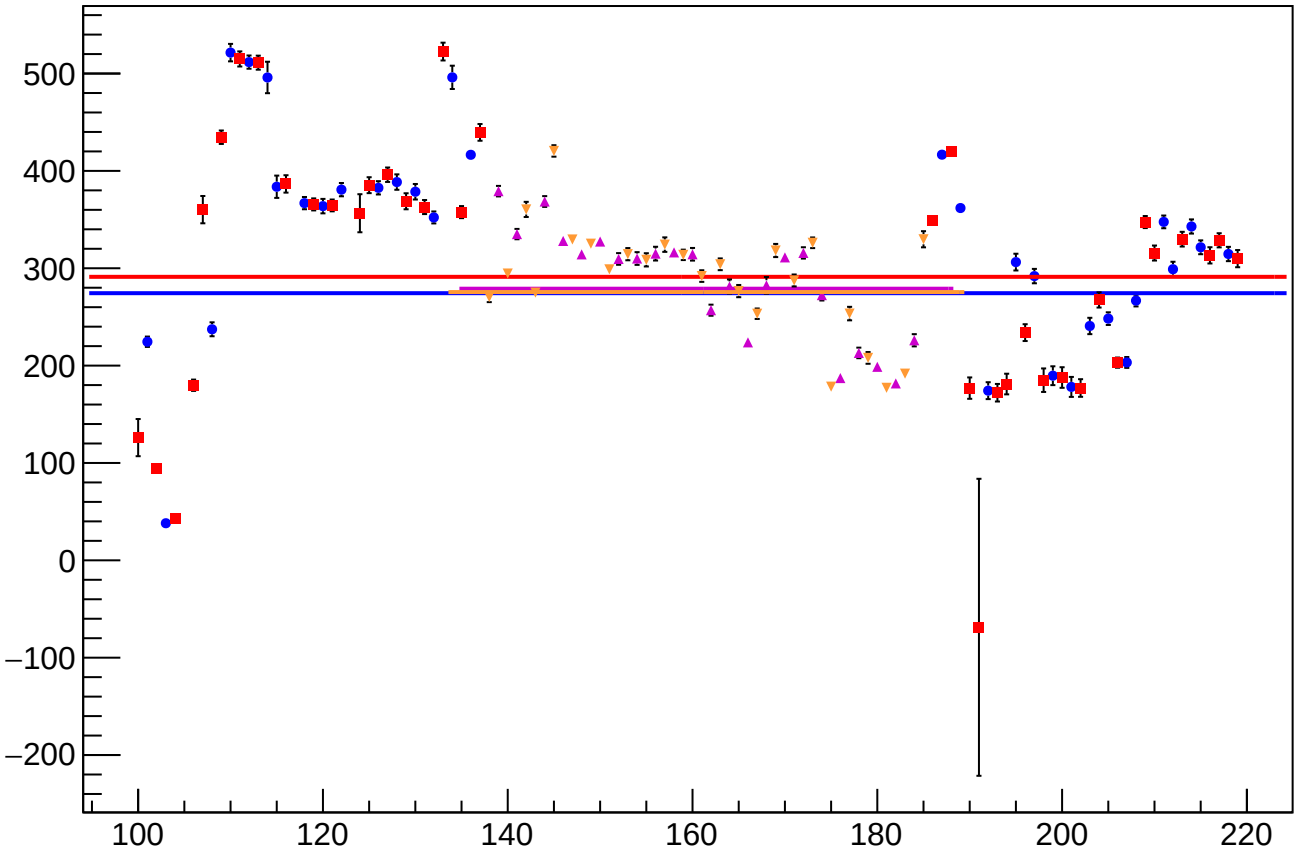
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 19.004+/-0.840 χ^2/NDF: 907.7/68

In: 7.313+/-0.685 χ^2/NDF:1290.4/54

Out: 8.599+/-0.647 χ^2/NDF:1610.3/61

All: 7.993+/-0.470 χ^2/NDF: 2902.6/116



Right In: 274.392+/-1.070 χ^2/NDF: 18079.1/31

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 291.193+/-0.968 χ^2/NDF: 22330.8/36

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

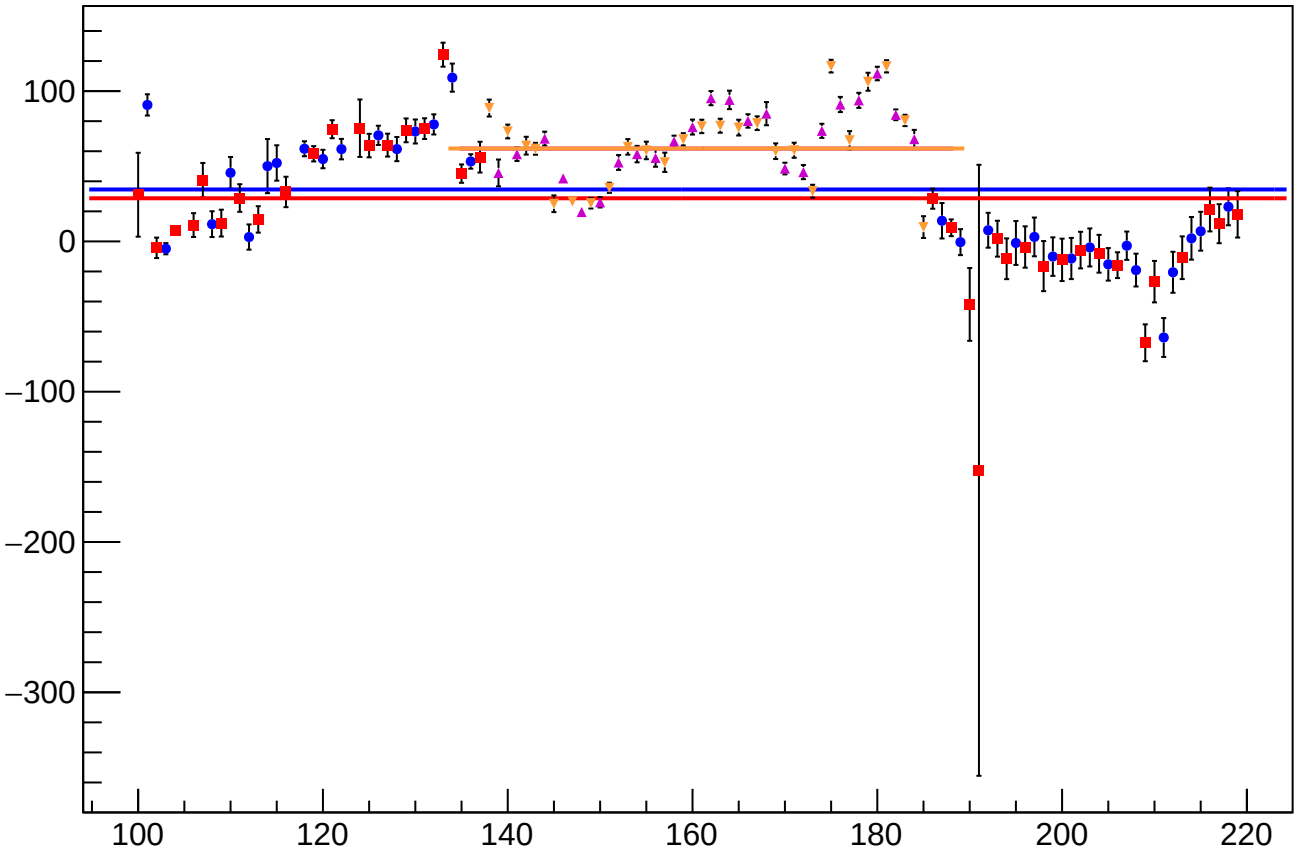
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 283.637+/-0.718 χ^2/NDF: 40545.4/68

In: 276.651+/-0.763 χ^2/NDF:21202.9/54

Out: 284.090+/-0.715 χ^2/NDF:25772.7/61

All: 280.612+/-0.522 χ^2/NDF: 47026.1/116



Right In: 34.561+/-1.454 χ^2/NDF: 658.1/31

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 28.693+/-1.369 χ^2/NDF: 647.2/36

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

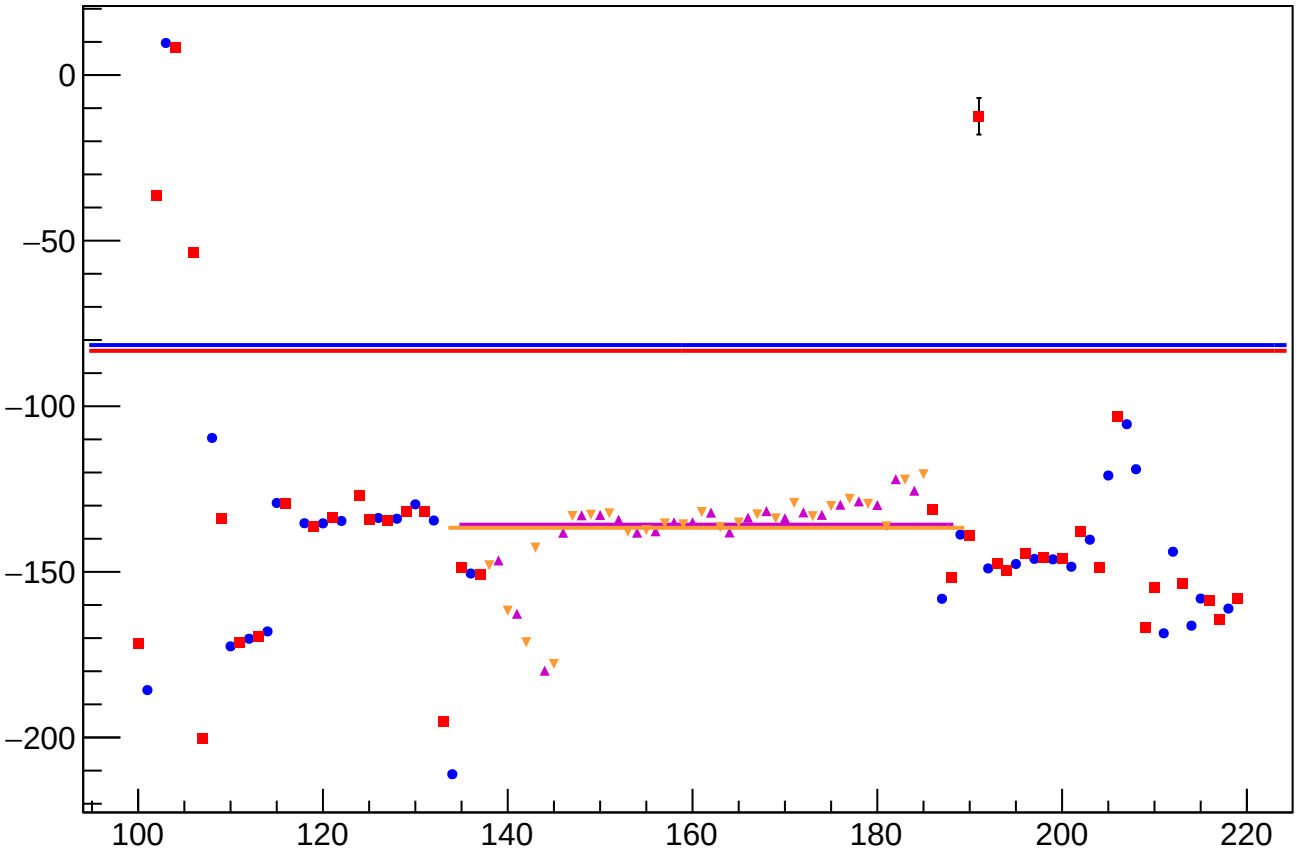
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 31.449+/-0.997 χ^2/NDF: 1313.9/68

In: 53.761+/-0.789 χ^2/NDF:1641.1/54

Out: 51.700+/-0.756 χ^2/NDF:2013.6/61

All: 52.688+/-0.546 χ^2/NDF: 3658.3/116



Right In: -81.532+/-0.062 χ^2/NDF: 1596259.5/31

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -83.262+/-0.062 χ^2/NDF: 1289170.1/36

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

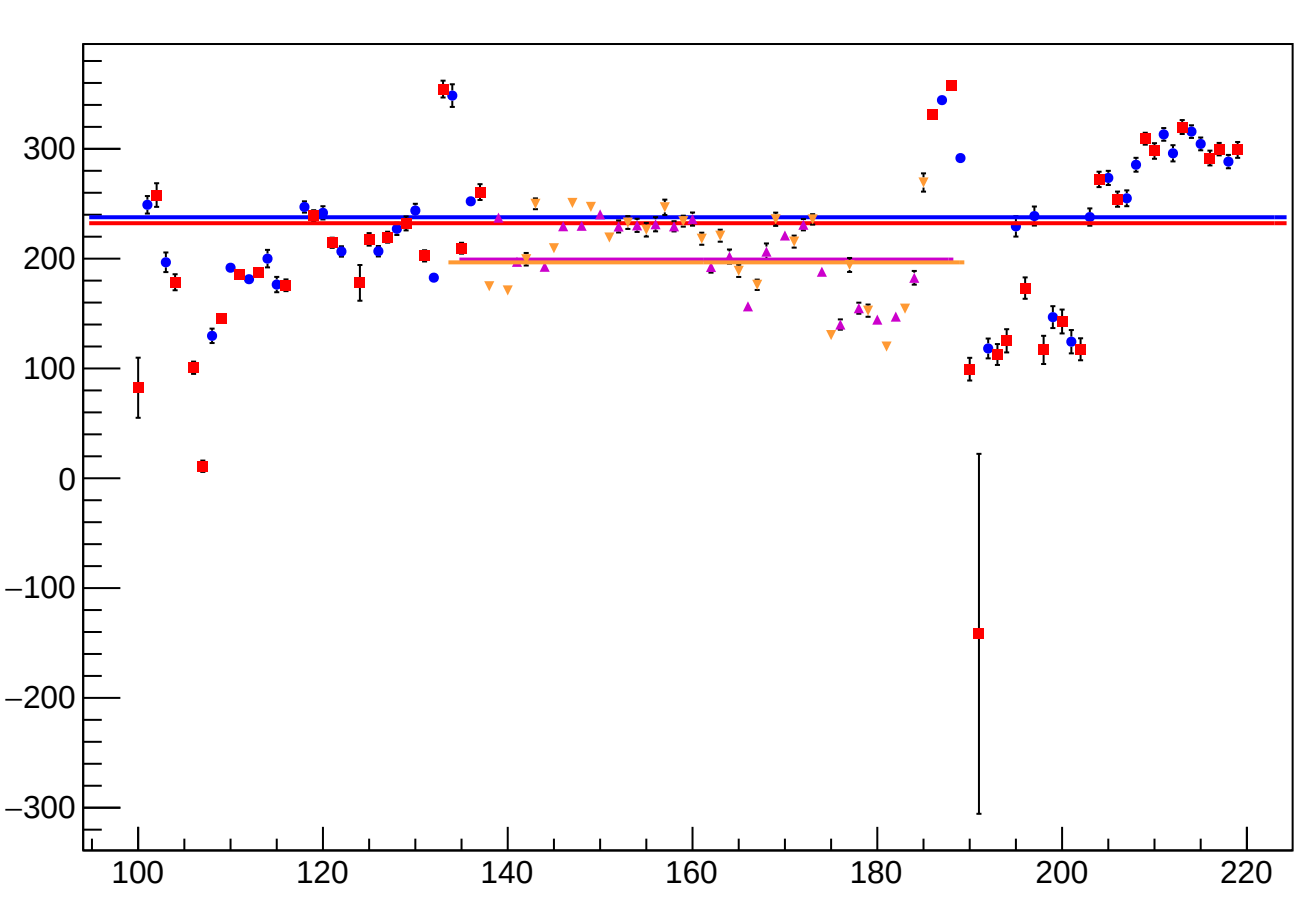
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -82.393+/-0.044 χ^2/NDF: 2885820.9/68

In: -118.133+/-0.035 χ^2/NDF:2181083.0/54

Out: -119.742+/-0.035 χ^2/NDF:1875710.6/61

All: -118.943+/-0.025 χ^2/NDF: 4057848.3/11



Right In: 237.700+/-1.016 χ^2/NDF: 2985.1/31

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 232.271+/-0.914 χ^2/NDF: 9058.8/36

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

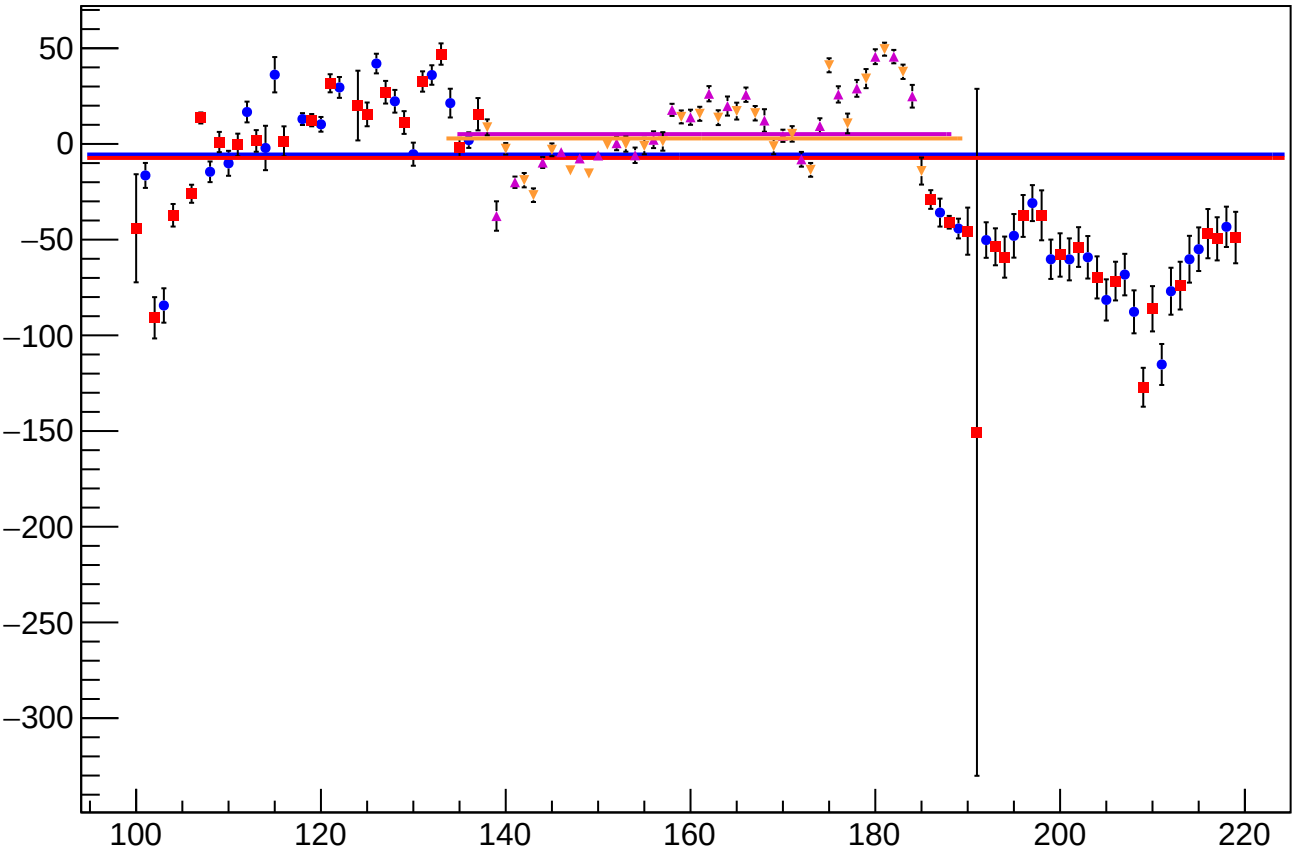
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 234.698+/-0.680 χ^2/NDF: 12059.7/68

In: 217.580+/-0.703 χ^2/NDF:5030.4/54

Out: 215.062+/-0.657 χ^2/NDF:11868.7/61

All: 216.237+/-0.480 χ^2/NDF: 16905.9/116



Right In: -5.522+/-1.163 χ^2/NDF: 926.7/31

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -7.306+/-1.044 χ^2/NDF: 1038.6/36

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

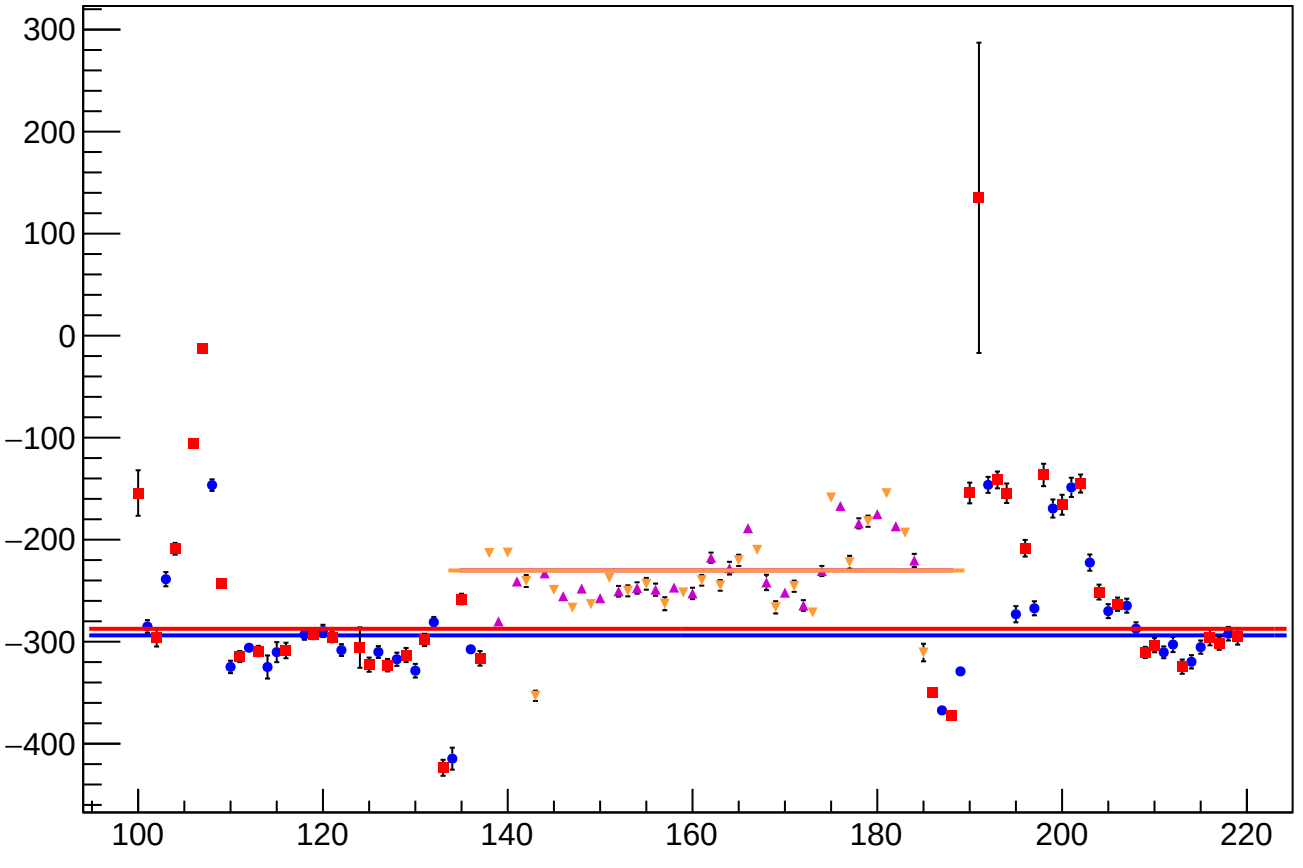
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: -6.510+/-0.777 χ^2/NDF: 1966.6/68

In: 2.187+/-0.611 χ^2/NDF:1616.0/54

Out: -0.243+/-0.577 χ^2/NDF:1857.3/61

All: 0.904+/-0.420 χ^2/NDF: 3481.7/116



Right In: -293.818+/-1.063 χ^2/NDF: 2410.7/31

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -287.355+/-0.929 χ^2/NDF: 9981.9/36

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

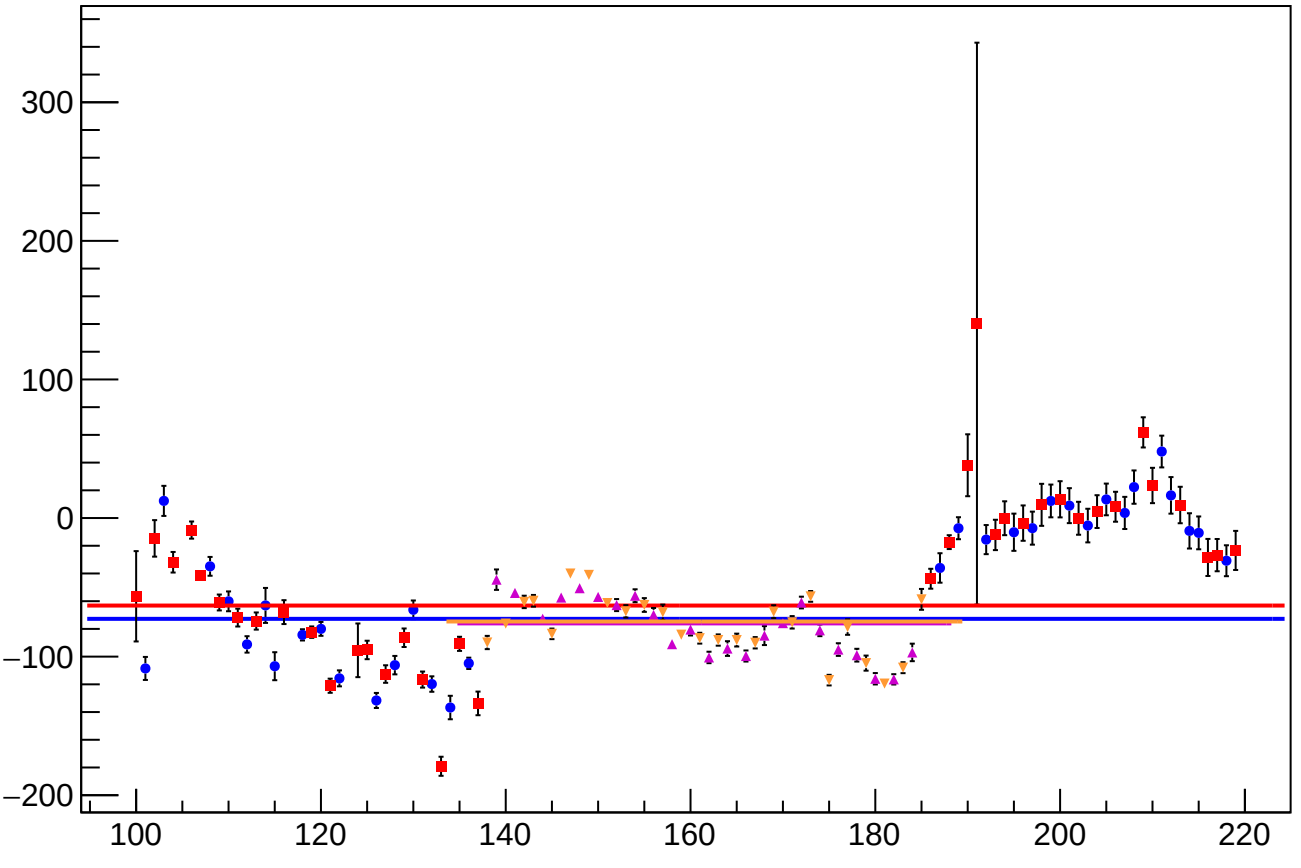
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -290.153+/-0.700 χ^2/NDF: 12413.5/68

In: -258.717+/-0.713 χ^2/NDF:5484.5/54

Out: -259.073+/-0.660 χ^2/NDF:14037.3/61

All: -258.908+/-0.484 χ^2/NDF: 19521.9/116



Right In: -72.741+/-1.351 χ^2/NDF: 1207.5/31

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -63.150+/-1.243 χ^2/NDF: 1442.7/36

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

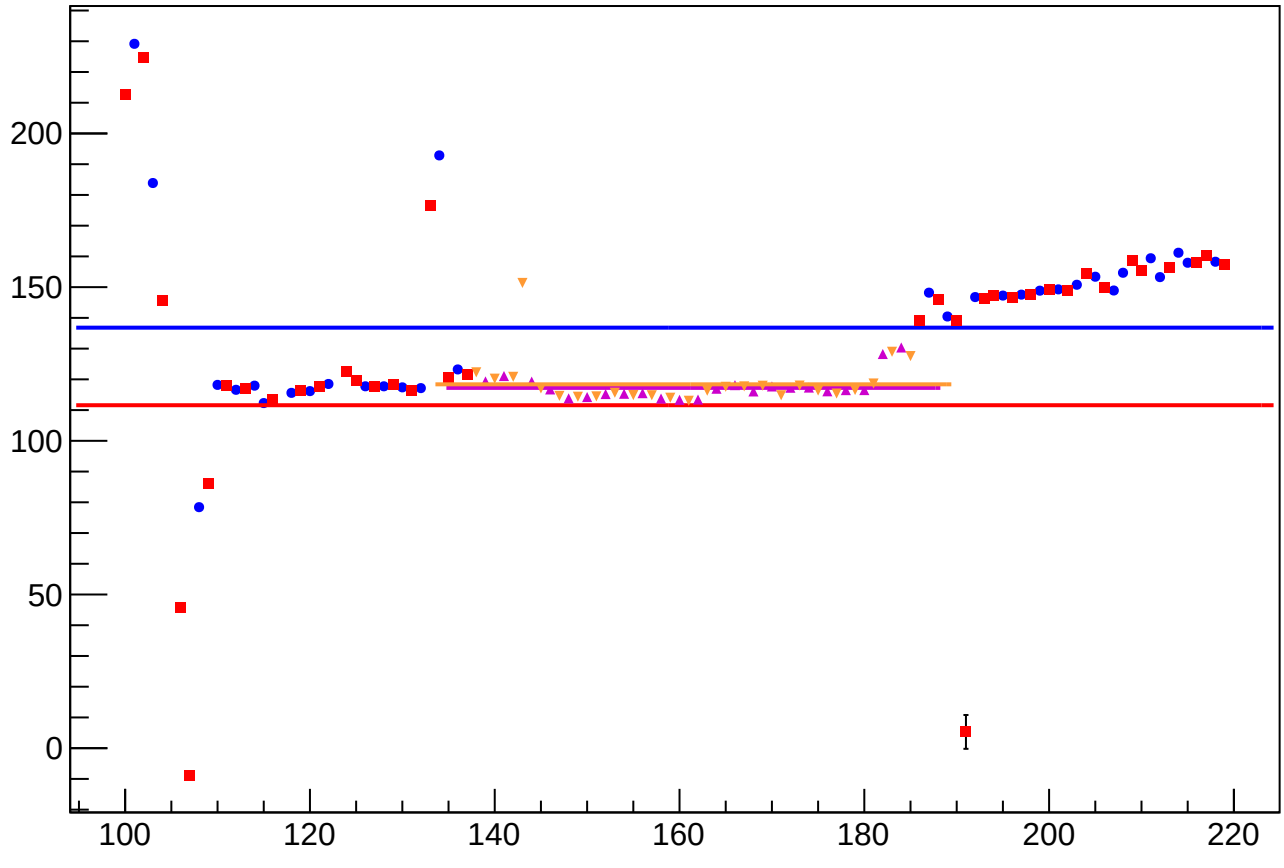
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -67.548+/-0.915 χ^2/NDF: 2677.5/68

In: -75.134+/-0.704 χ^2/NDF:1857.9/54

Out: -71.273+/-0.673 χ^2/NDF:2334.1/61

All: -73.119+/-0.486 χ^2/NDF: 4207.7/116



Right In: 136.820+/-0.070 χ^2/NDF: 207005.1/31

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 111.583+/-0.064 χ^2/NDF: 793518.2/36

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

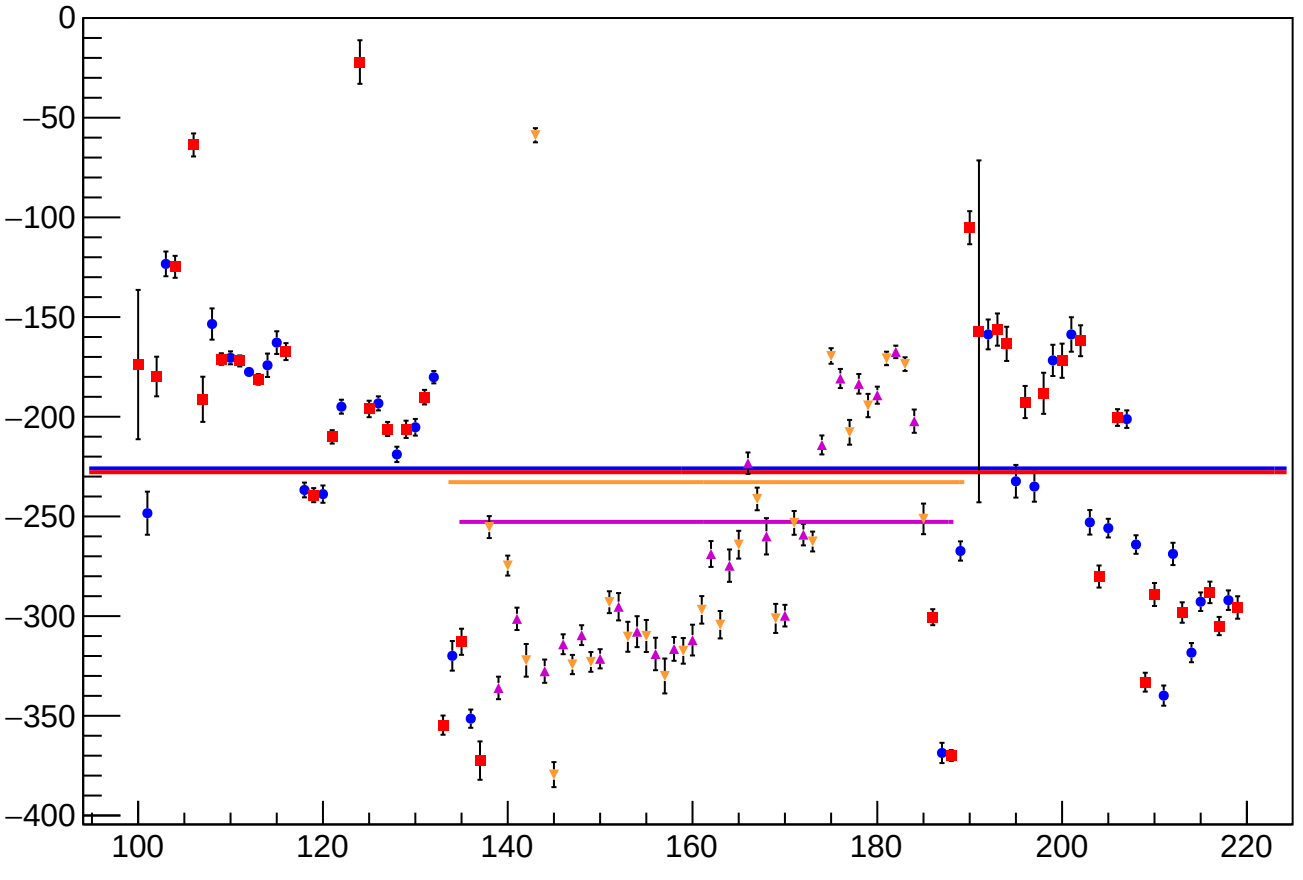
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 123.007+/-0.047 χ^2/NDF: 1071603.6/68

In: 121.610+/-0.033 χ^2/NDF:278002.5/54

Out: 116.647+/-0.032 χ^2/NDF:836944.8/61

All: 119.056+/-0.023 χ^2/NDF: 1126498.9/116



Right In: -225.913+/-0.820 χ^2/NDF: 5119.4/31

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -227.831+/-0.775 χ^2/NDF: 9234.4/36

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

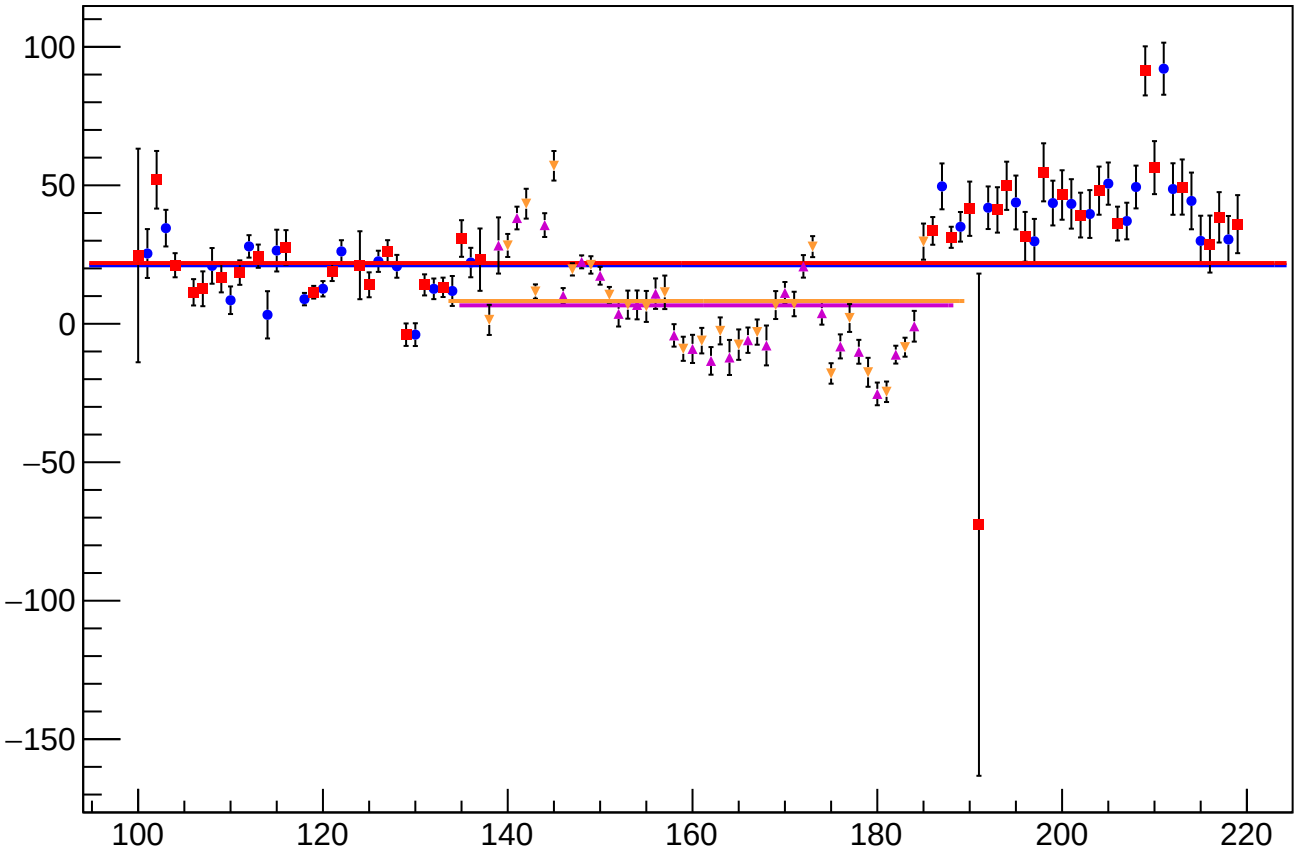
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -226.926+/-0.563 χ^2/NDF: 14356.7/68

In: -235.160+/-0.664 χ^2/NDF:8402.1/54

Out: -229.537+/-0.628 χ^2/NDF:15012.4/61

All: -232.193+/-0.456 χ^2/NDF: 23452.4/116



Right In: 21.127+/-0.929 χ^2/NDF: 262.8/31

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 21.938+/-0.901 χ^2/NDF: 254.2/36

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

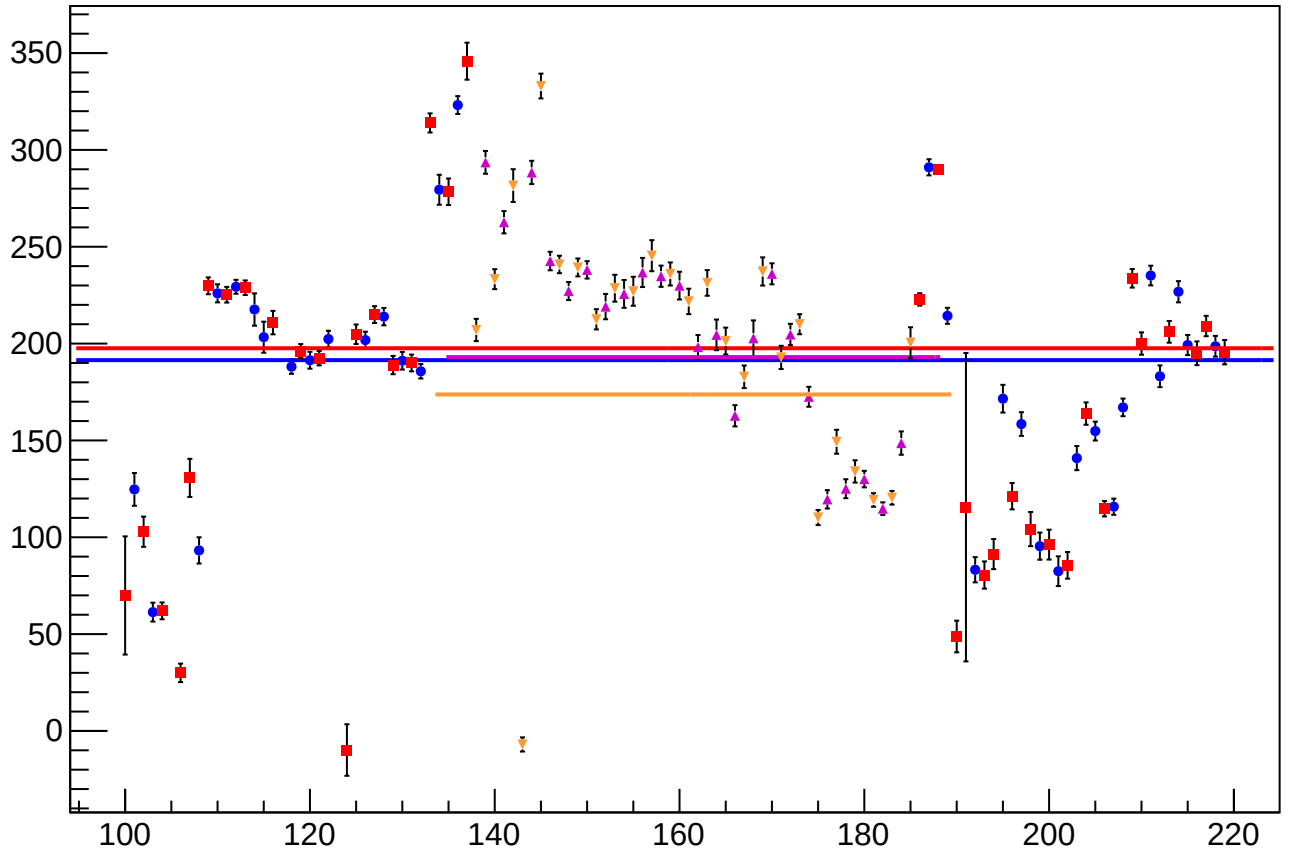
Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

Right: 21.545+/-0.647 χ^2/NDF: 517.5/68

In: 13.324+/-0.630 χ^2/NDF:748.6/54

Out: 14.292+/-0.599 χ^2/NDF:841.3/61

All: 13.833+/-0.434 χ^2/NDF: 1591.2/116



Right In: 191.460+/-0.887 χ^2/NDF: 4052.0/31

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 197.596+/-0.825 χ^2/NDF: 7617.1/36

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

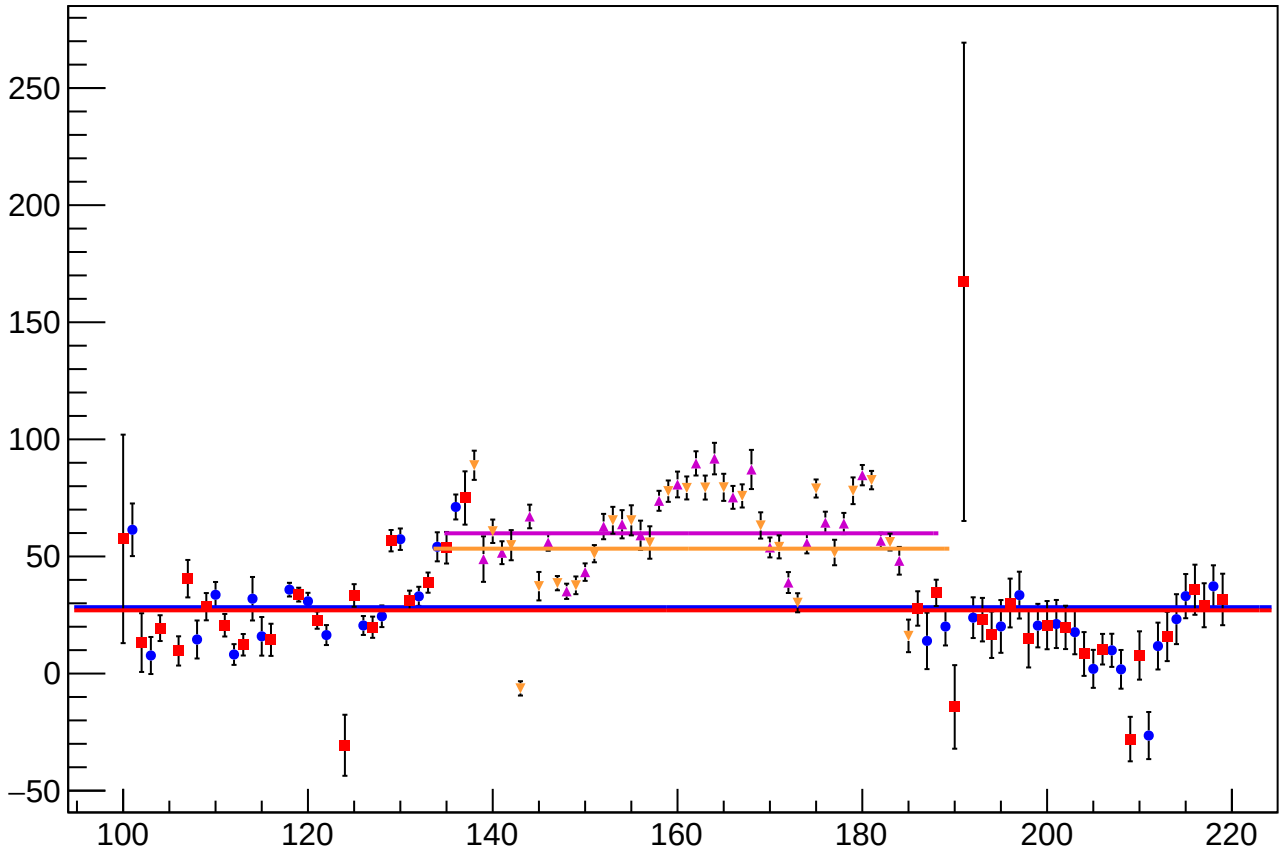
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 194.750+/-0.604 χ^2/NDF: 11694.8/68

In: 192.062+/-0.696 χ^2/NDF:6565.2/54

Out: 188.692+/-0.653 χ^2/NDF:13189.8/61

All: 190.271+/-0.476 χ^2/NDF: 19767.5/116



Right In: 28.344+/-1.076 χ^2/NDF: 252.6/31

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 26.996+/-1.052 χ^2/NDF: 206.3/36

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

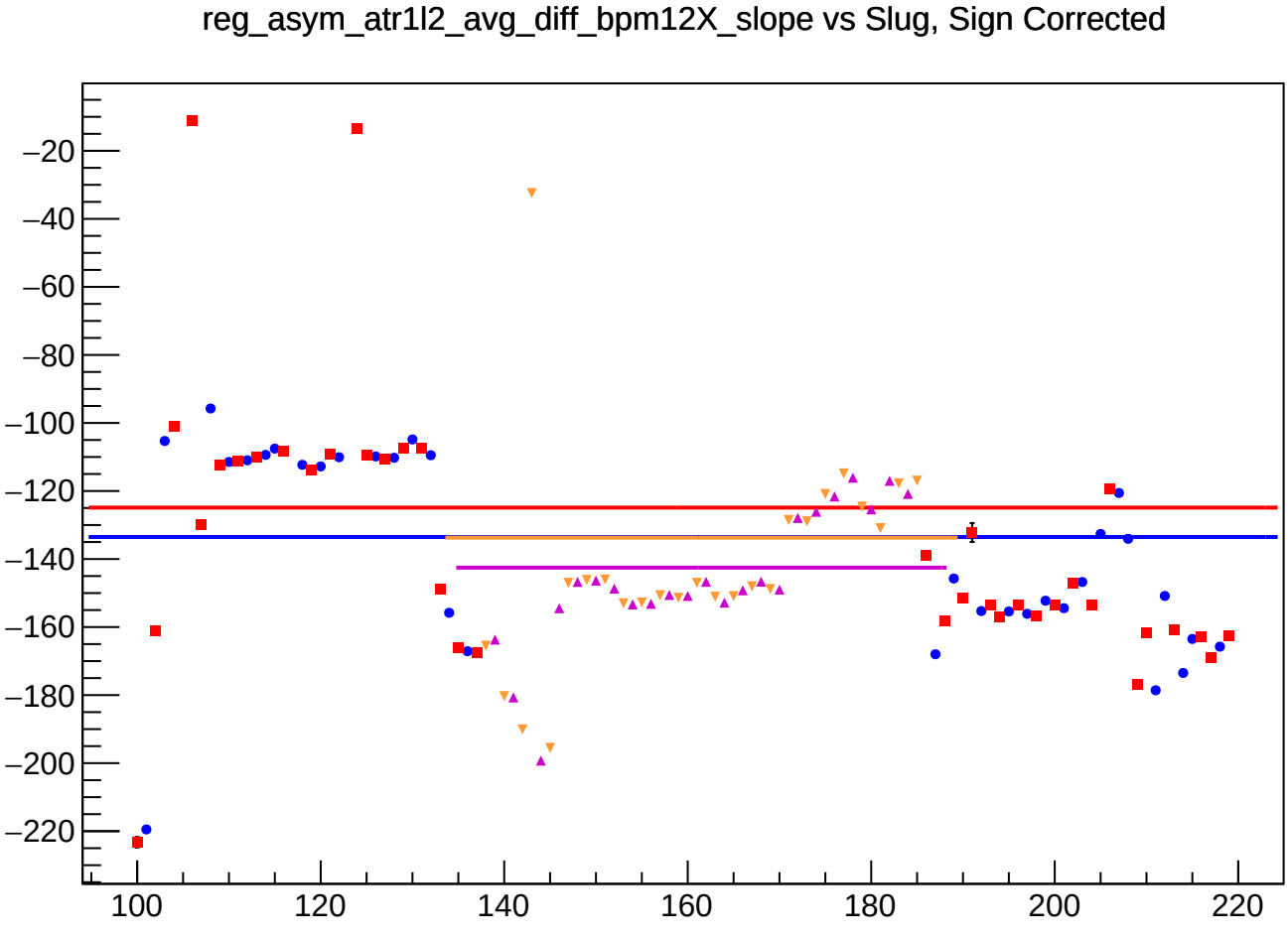
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 27.655+/-0.752 χ^2/NDF: 459.6/68

In: 45.638+/-0.723 χ^2/NDF:974.8/54

Out: 41.897+/-0.693 χ^2/NDF:1339.6/61

All: 43.688+/-0.500 χ^2/NDF: 2328.3/116



Right In: -133.527+/-0.059 χ^2/NDF: 199350.0/31

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -124.876+/-0.057 χ^2/NDF: 536403.3/36

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

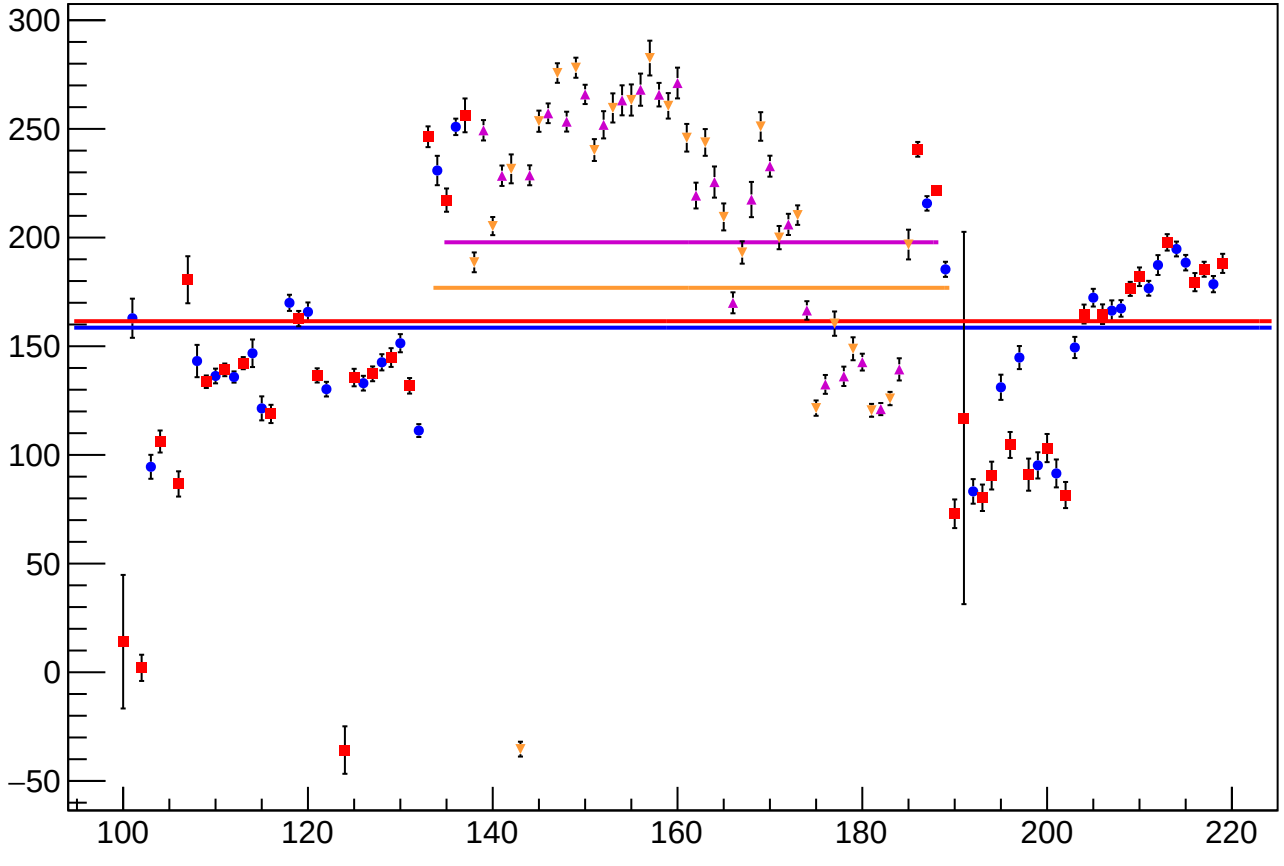
Right: -129.032+/-0.041 χ^2/NDF: 746894.7/68

In: -139.271+/-0.036 χ^2/NDF:392630.5/54

Out: -130.507+/-0.034 χ^2/NDF:1227744.0/61

All: -134.726+/-0.025 χ^2/NDF: 1651982.3/11

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 158.545+/-0.725 χ^2/NDF: 2519.0/31

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 161.524+/-0.678 χ^2/NDF: 5293.5/36

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

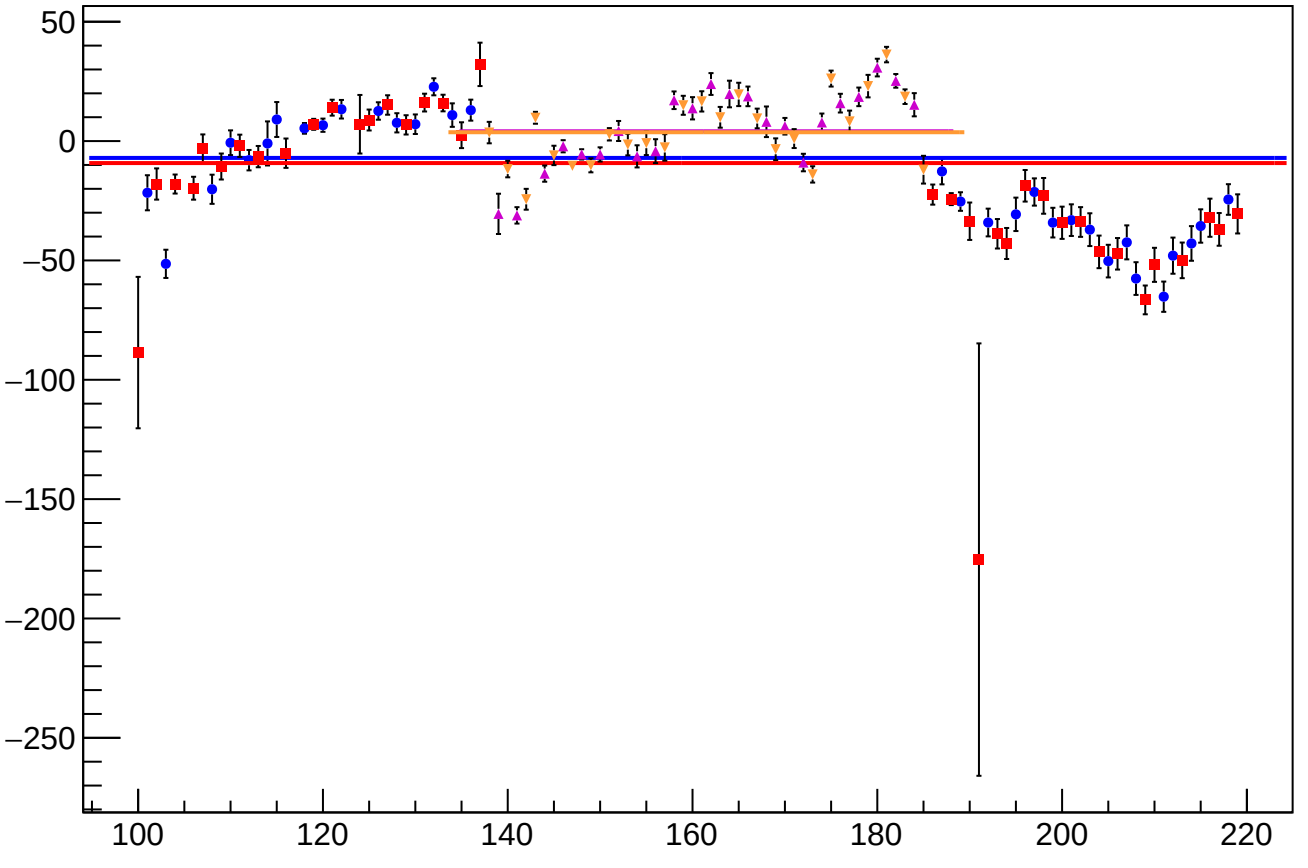
Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

Right: 160.135+/-0.495 χ^2/NDF: 7821.5/68

In: 171.983+/-0.588 χ^2/NDF:6489.9/54

Out: 166.653+/-0.553 χ^2/NDF:12889.7/61

All: 169.154+/-0.403 χ^2/NDF: 19423.1/116



Right In: -7.053+/-0.852 χ^2/NDF: 709.1/31

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -9.211+/-0.814 χ^2/NDF: 708.8/36

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

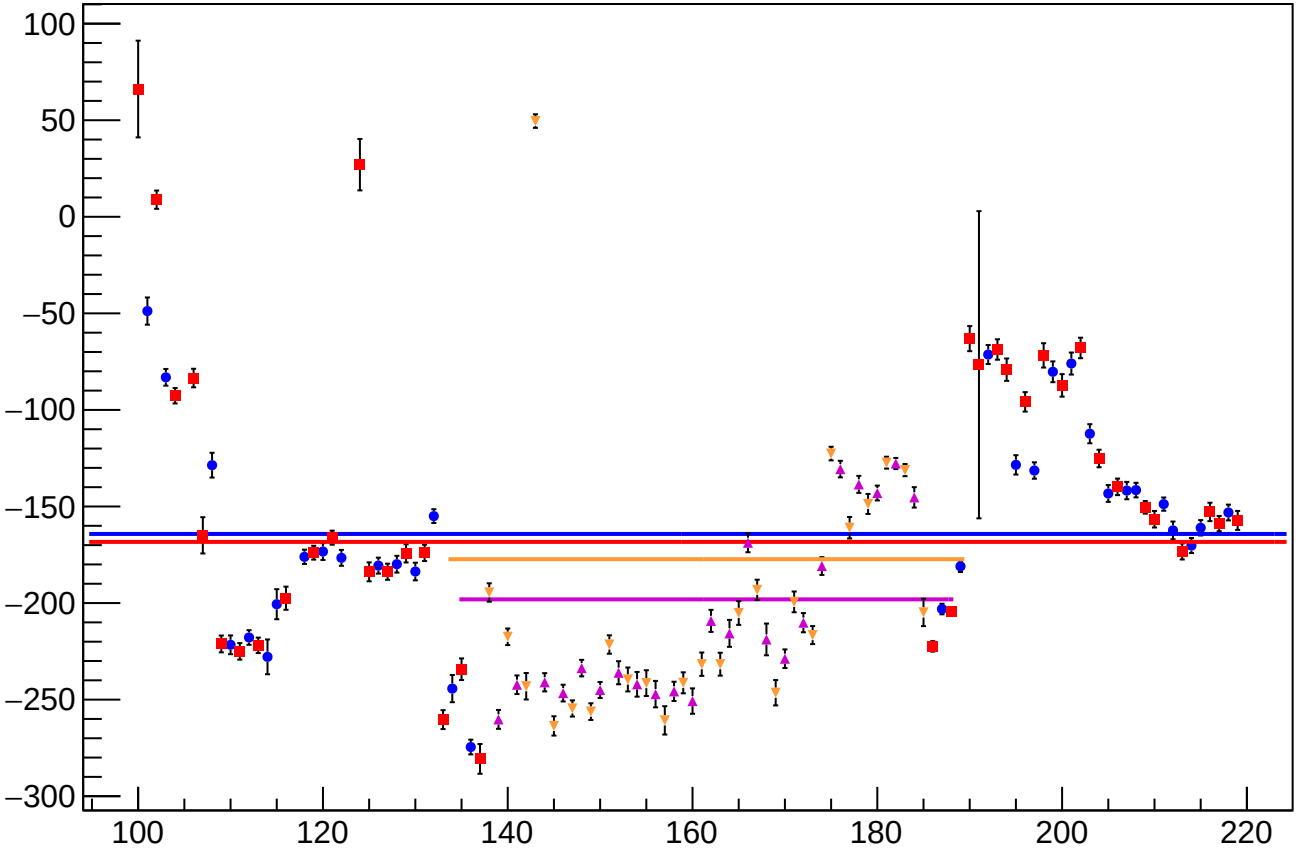
Right: -8.180+/-0.589 χ^2/NDF: 1421.3/68

In: -0.907+/-0.571 χ^2/NDF:1202.6/54

Out: -1.991+/-0.541 χ^2/NDF:1250.4/61

All: -1.478+/-0.393 χ^2/NDF: 2454.9/116

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -164.213+/-0.758 χ^2/NDF: 3516.2/31

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -168.330+/-0.688 χ^2/NDF: 6716.6/36

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

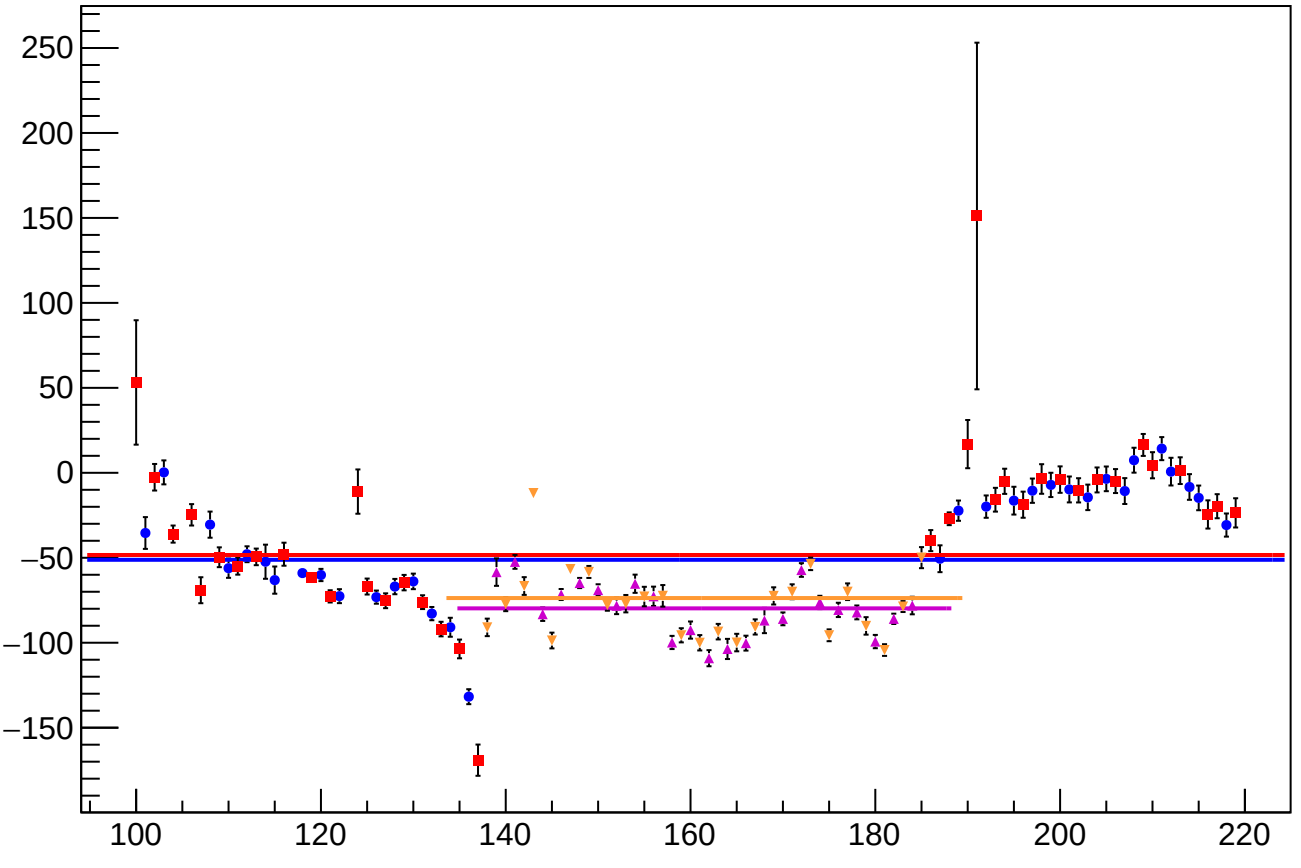
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -166.470+/-0.510 χ^2/NDF: 10248.9/68

In: -176.579+/-0.604 χ^2/NDF:6630.9/54

Out: -171.387+/-0.559 χ^2/NDF:13814.3/61

All: -173.779+/-0.410 χ^2/NDF: 20485.0/116



Right In: -51.189+/-0.989 χ^2/NDF: 1133.9/31

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -48.364+/-0.960 χ^2/NDF: 1147.0/36

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

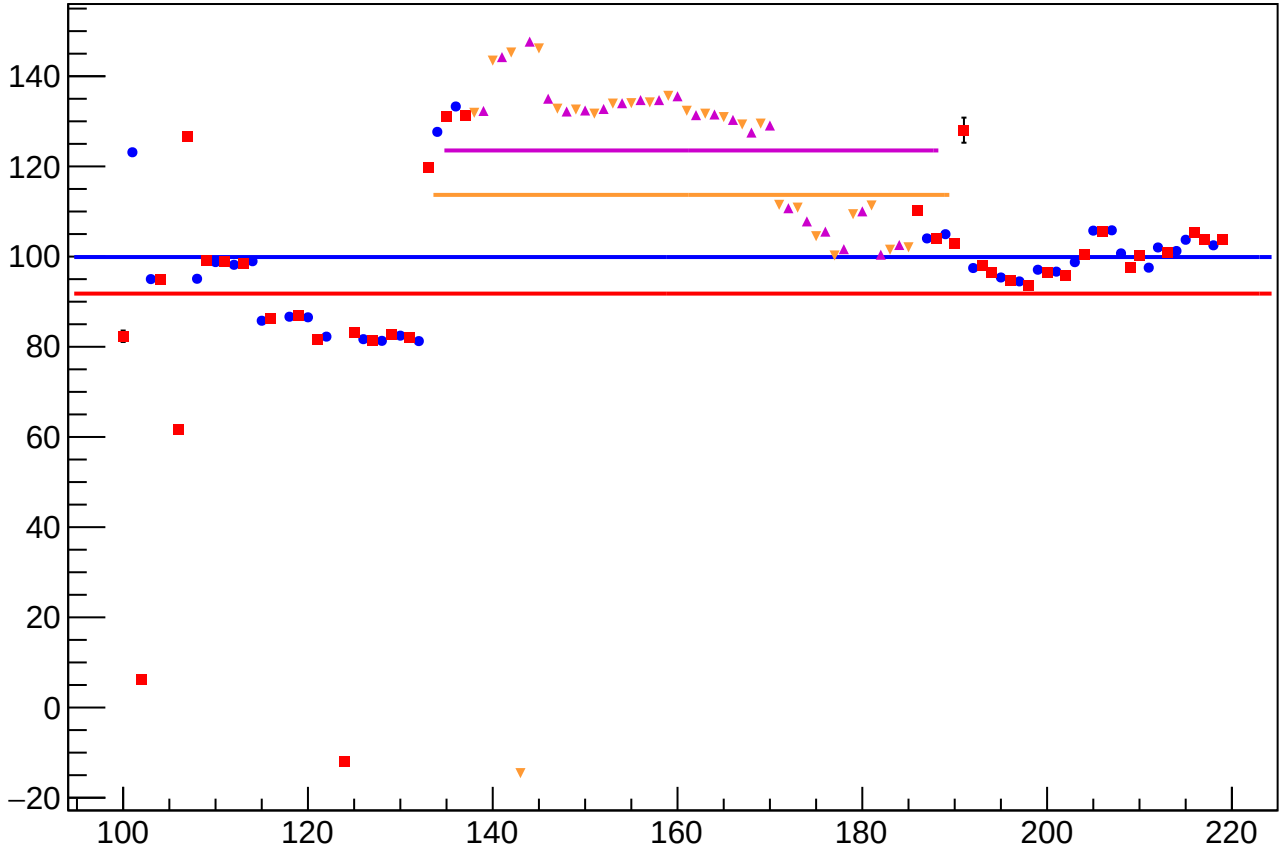
Right: -49.735+/-0.689 χ^2/NDF: 2285.0/68

In: -67.236+/-0.655 χ^2/NDF:1880.3/54

Out: -62.881+/-0.627 χ^2/NDF:2385.9/61

All: -64.965+/-0.453 χ^2/NDF: 4289.3/116

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 99.900+/-0.051 χ^2/NDF: 70298.4/31

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 91.794+/-0.048 χ^2/NDF: 291723.9/36

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

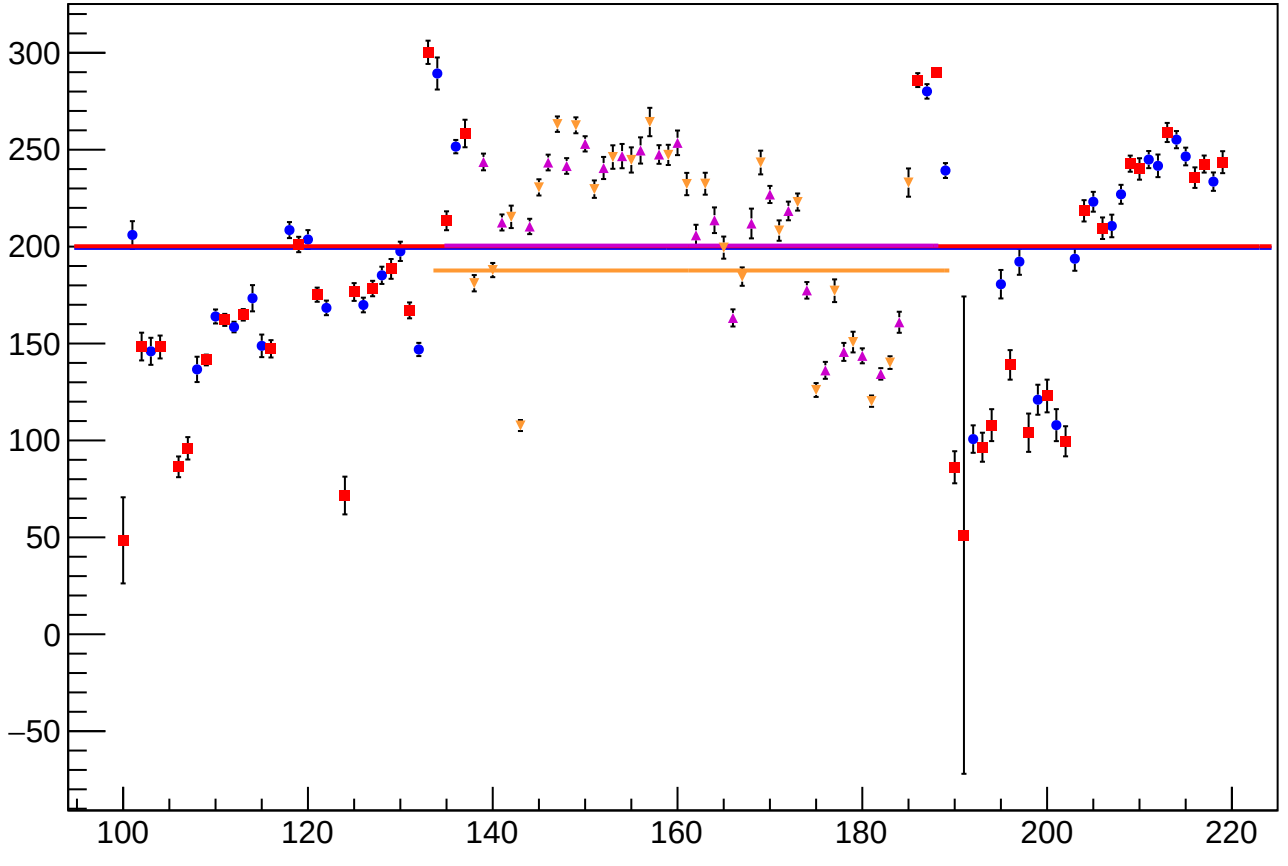
Right: 95.636+/-0.035 χ^2/NDF: 375288.3/68

In: 114.653+/-0.031 χ^2/NDF:338727.4/54

Out: 105.252+/-0.030 χ^2/NDF:1380388.9/61

All: 109.765+/-0.022 χ^2/NDF: 1766029.4/116

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 199.347+/-0.836 χ^2/NDF: 2820.0/31

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 200.189+/-0.764 χ^2/NDF: 6581.8/36

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

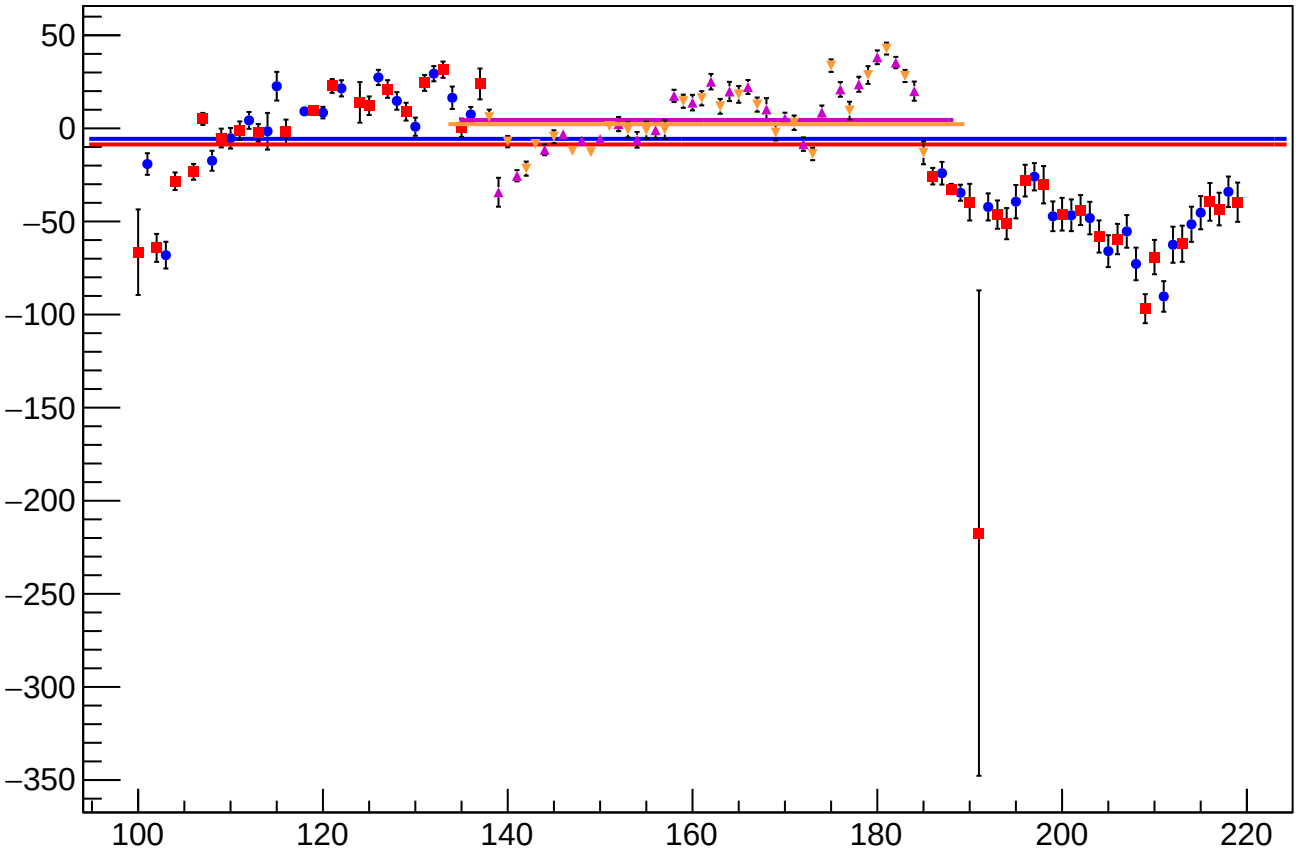
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 199.805+/-0.564 χ^2/NDF: 9402.4/68

In: 199.856+/-0.629 χ^2/NDF:4932.3/54

Out: 194.934+/-0.582 χ^2/NDF:10222.7/61

All: 197.204+/-0.427 χ^2/NDF: 15188.0/116



Right In: -5.641+/-0.960 χ^2/NDF: 894.0/31

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -8.640+/-0.890 χ^2/NDF: 980.7/36

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

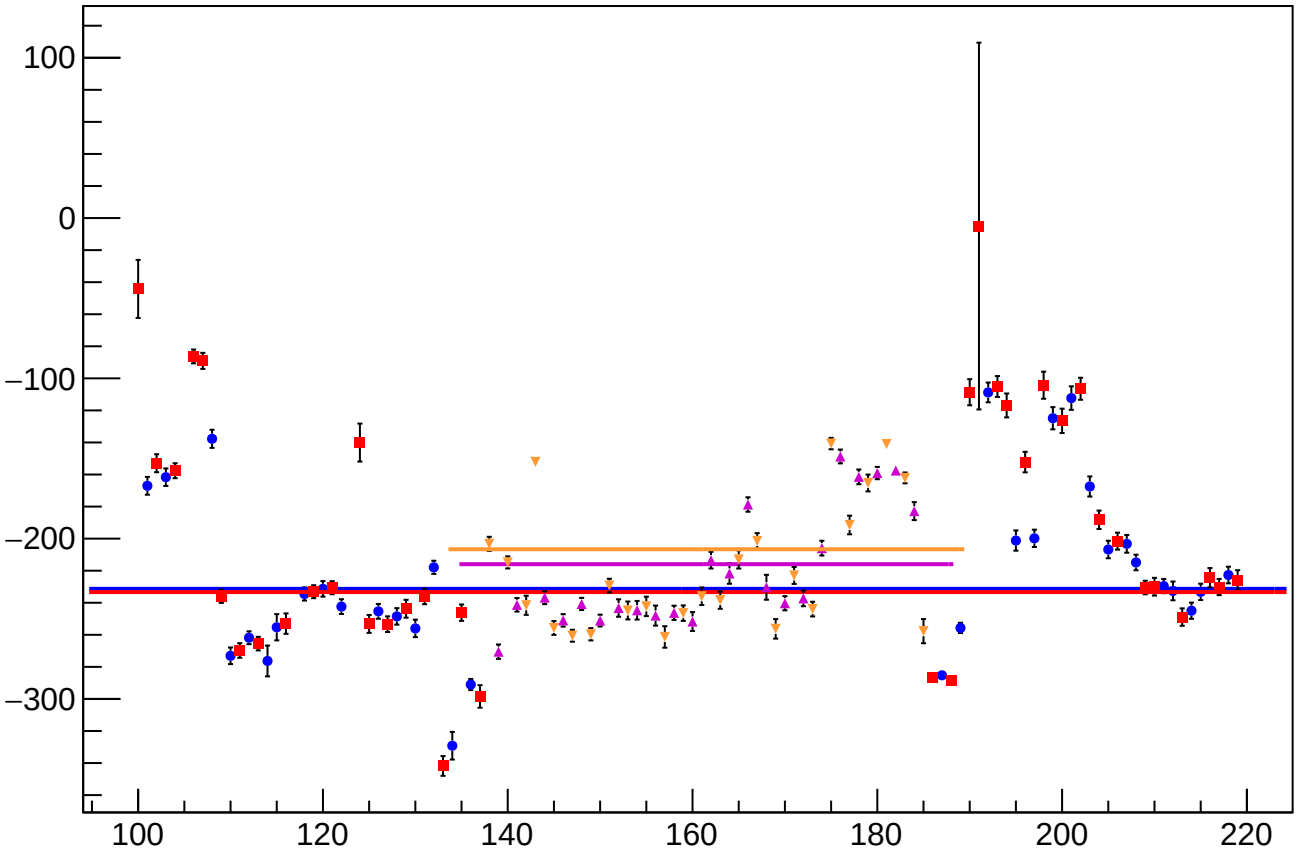
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -7.254+/-0.653 χ^2/NDF: 1880.0/68

In: 0.898+/-0.573 χ^2/NDF:1513.1/54

Out: -1.650+/-0.533 χ^2/NDF:1677.6/61

All: -0.469+/-0.390 χ^2/NDF: 3201.3/116



Right In: -231.326+/-0.876 χ^2/NDF: 2693.5/31

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.339+/-0.777 χ^2/NDF: 6672.4/36

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

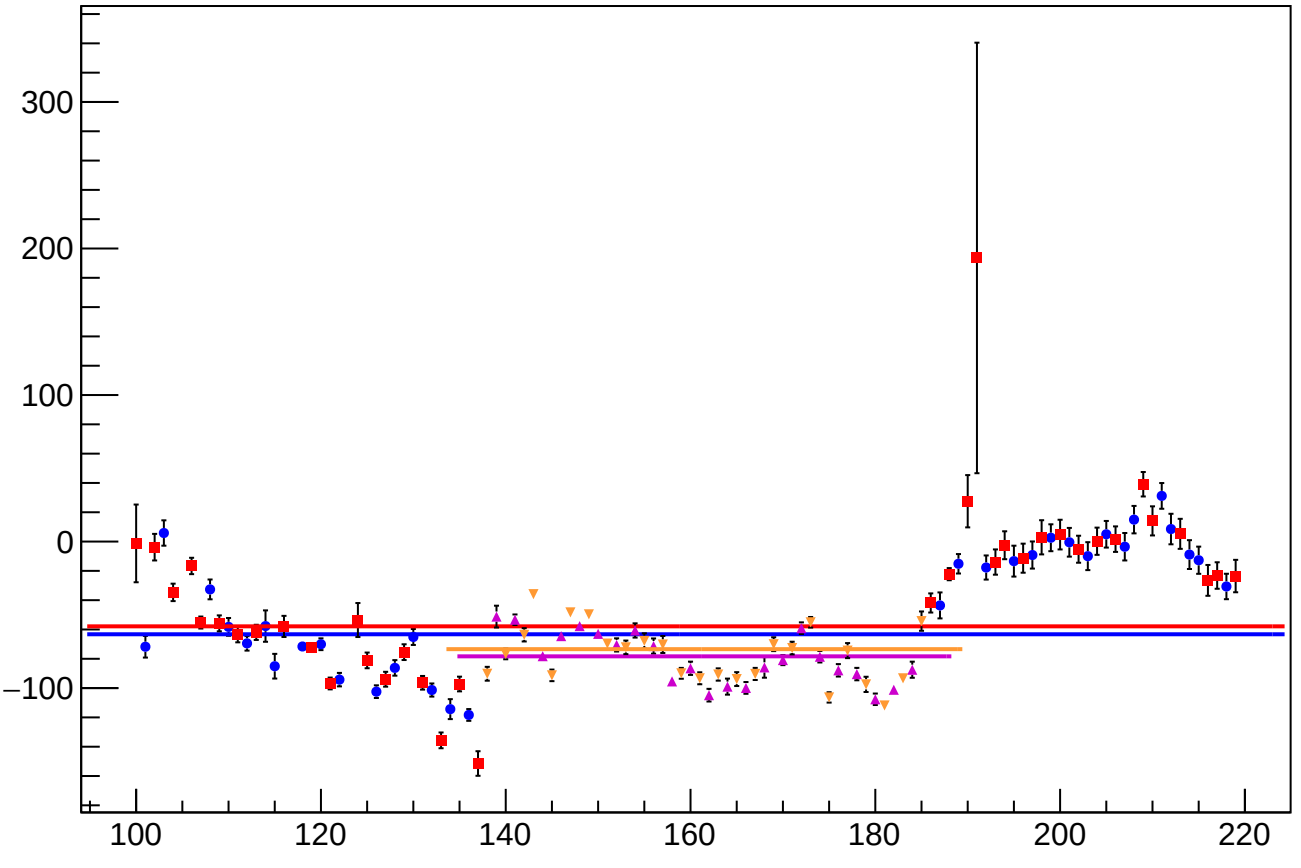
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.453+/-0.582 χ^2/NDF: 9368.8/68

In: -224.219+/-0.643 χ^2/NDF:4547.8/54

Out: -221.847+/-0.587 χ^2/NDF:9648.5/61

All: -222.925+/-0.433 χ^2/NDF: 14203.7/116



Right In: -63.270+/-1.118 χ^2/NDF: 1239.2/31

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -57.855+/-1.056 χ^2/NDF: 1397.2/36

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

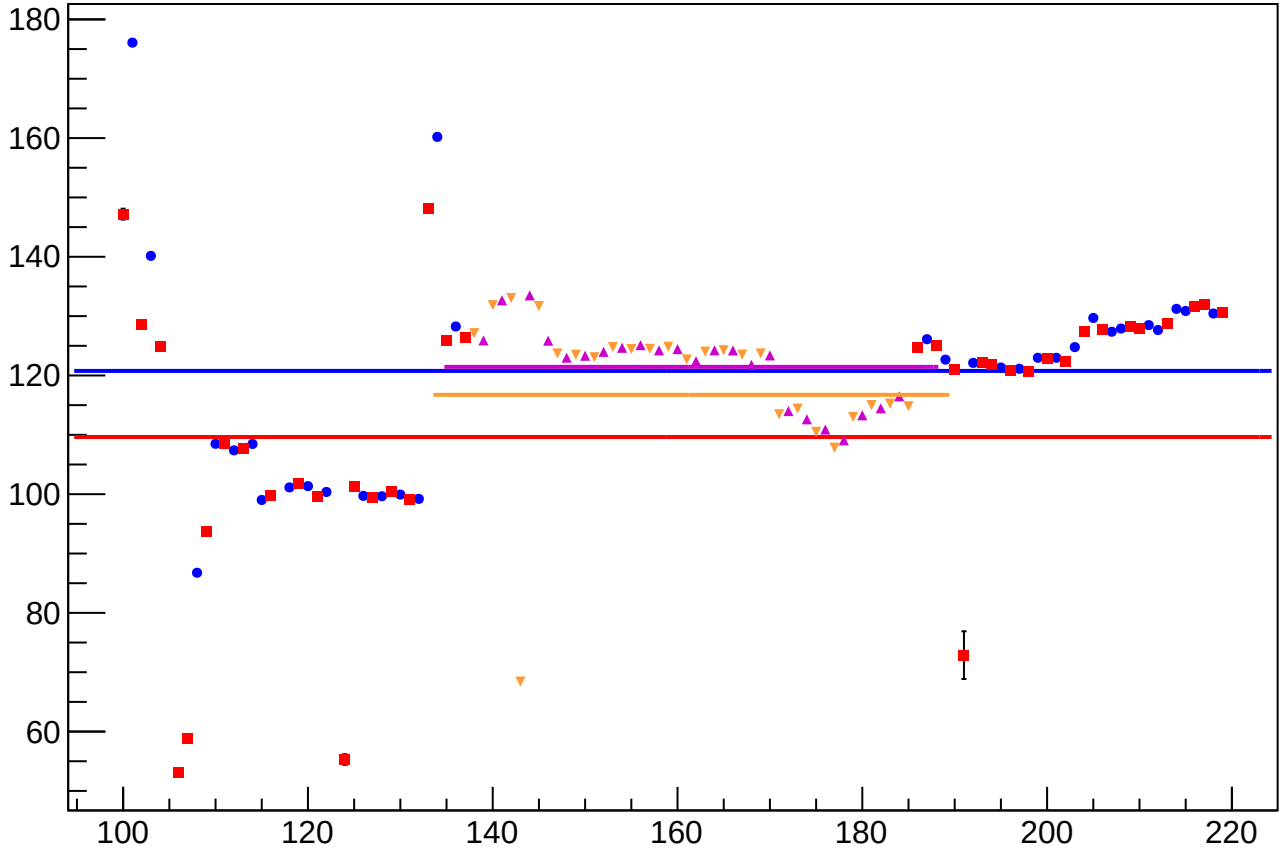
Right: -60.408+/-0.767 χ^2/NDF: 2648.8/68

In: -73.083+/-0.660 χ^2/NDF:1800.8/54

Out: -68.047+/-0.621 χ^2/NDF:2376.1/61

All: -70.410+/-0.452 χ^2/NDF: 4207.8/116

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.770+/-0.059 χ^2/NDF: 100295.4/31

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 109.630+/-0.054 χ^2/NDF: 217880.5/36

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

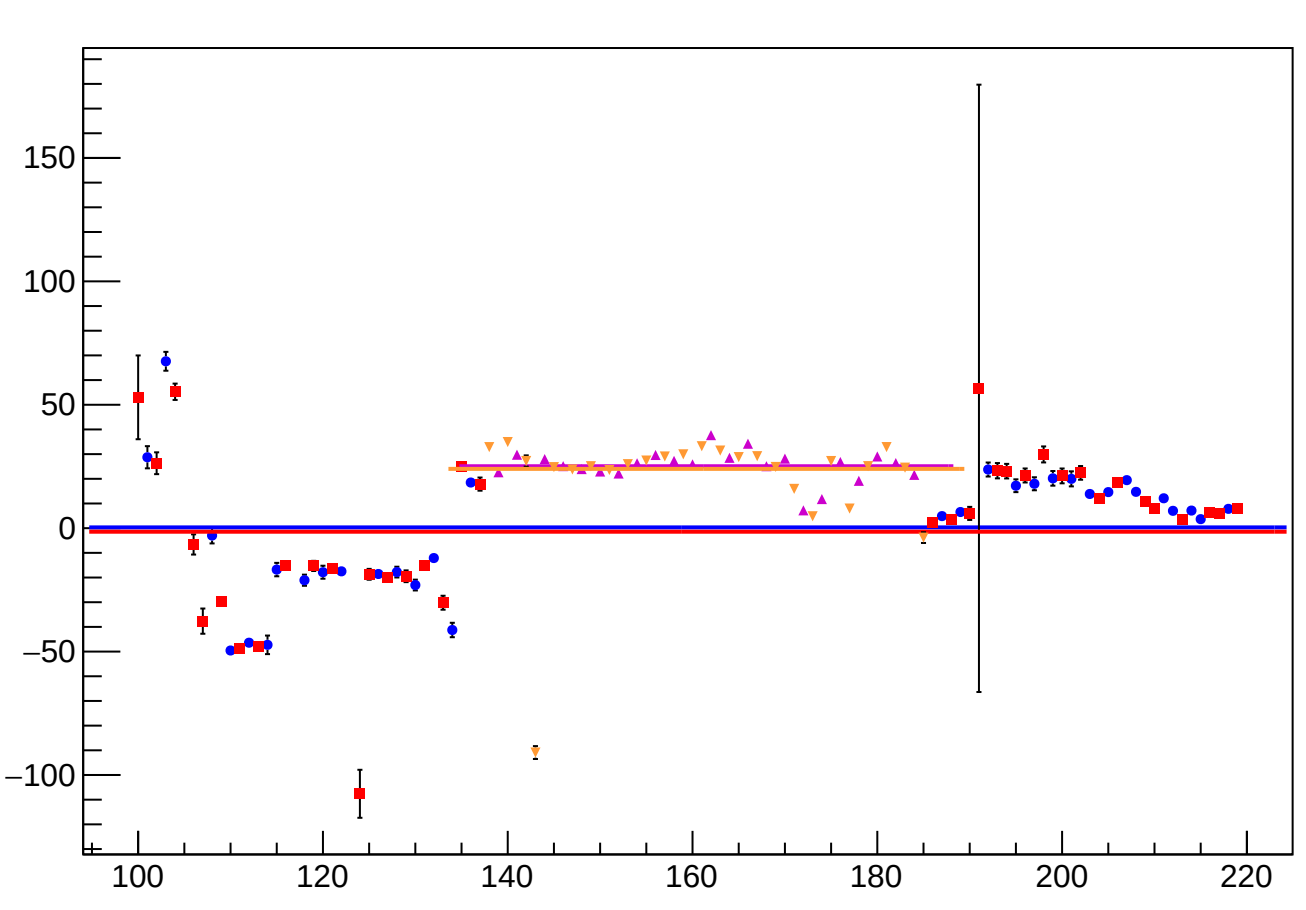
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 114.746+/-0.040 χ^2/NDF: 337582.4/68

In: 121.259+/-0.031 χ^2/NDF:129188.7/54

Out: 114.579+/-0.030 χ^2/NDF:433512.6/61

All: 117.745+/-0.022 χ^2/NDF: 586388.2/116



Right In: 0.313+/-0.347 χ^2/NDF: 3733.1/31

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -1.434+/-0.332 χ^2/NDF: 3970.4/36

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

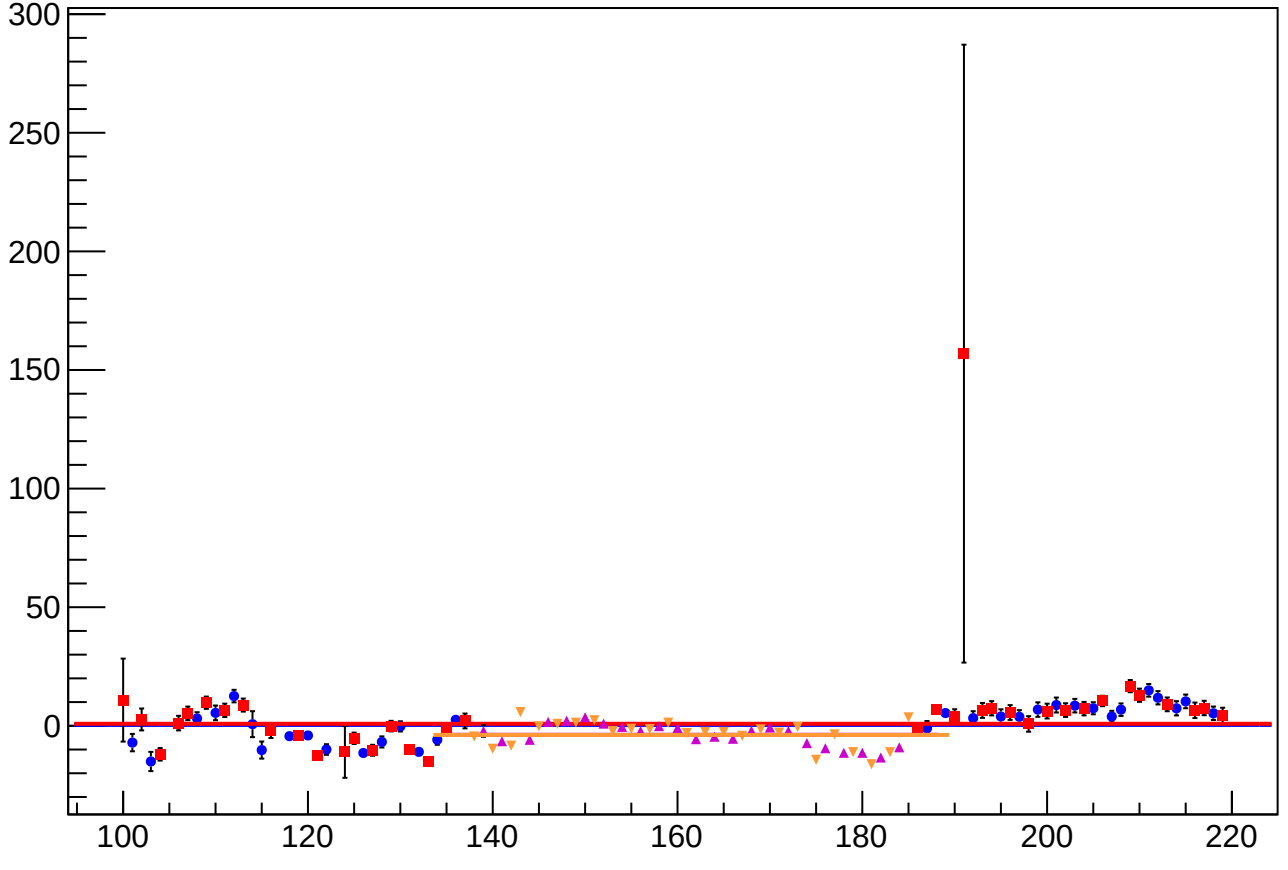
Right: -0.601+/-0.240 χ^2/NDF: 7716.7/68

In: 15.024+/-0.221 χ^2/NDF:7251.4/54

Out: 13.337+/-0.215 χ^2/NDF:10193.9/61

All: 14.155+/-0.154 χ^2/NDF: 17475.2/116

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.381+/-0.431 χ^2/NDF: 289.6/31

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: 0.852+/-0.417 χ^2/NDF: 364.6/36

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

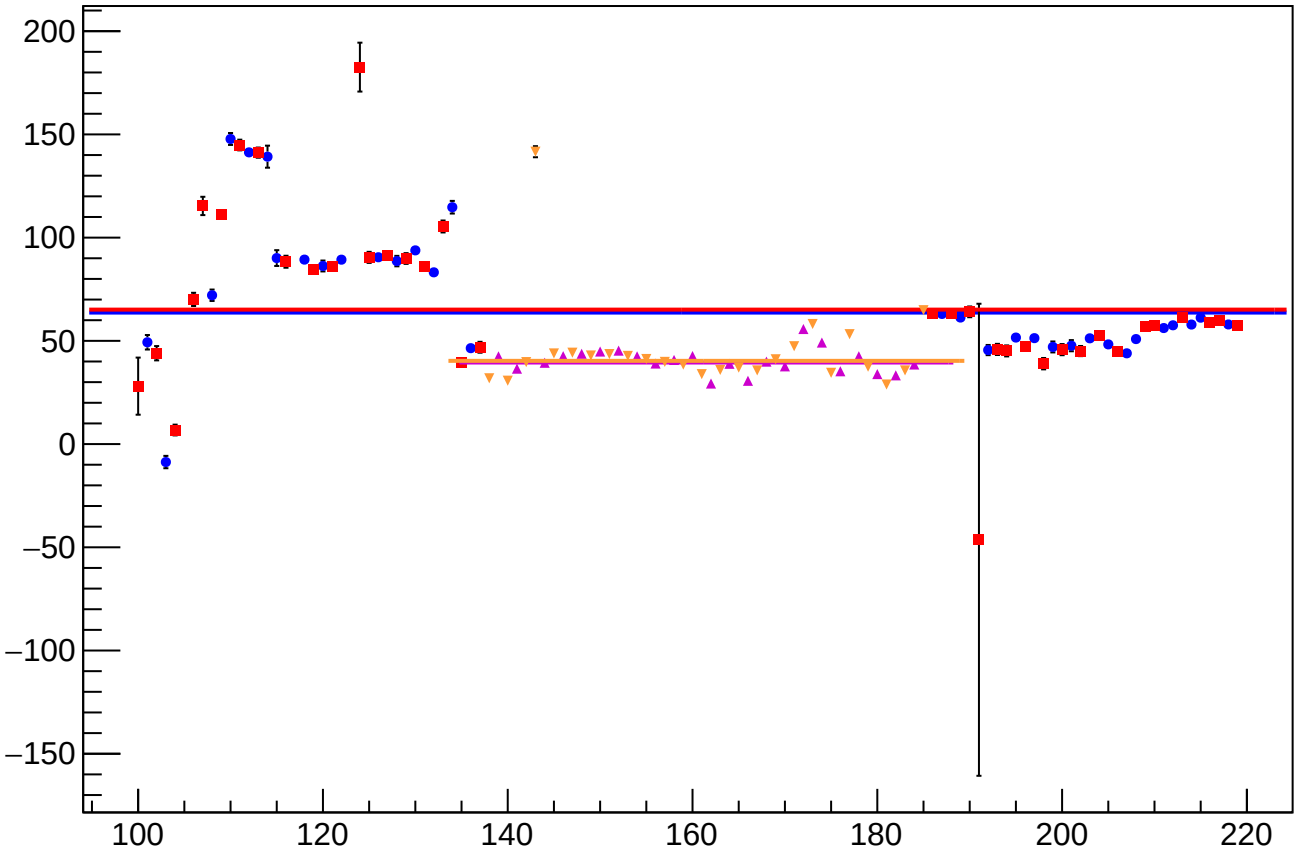
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: 0.624+/-0.300 χ^2/NDF: 654.8/68

In: -2.897+/-0.198 χ^2/NDF:872.9/54

Out: -2.837+/-0.193 χ^2/NDF:1113.8/61

All: -2.866+/-0.138 χ^2/NDF: 1986.7/116



Right In: 63.697+/-0.359 χ^2/NDF: 4688.9/31

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 65.131+/-0.335 χ^2/NDF: 4872.8/36

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

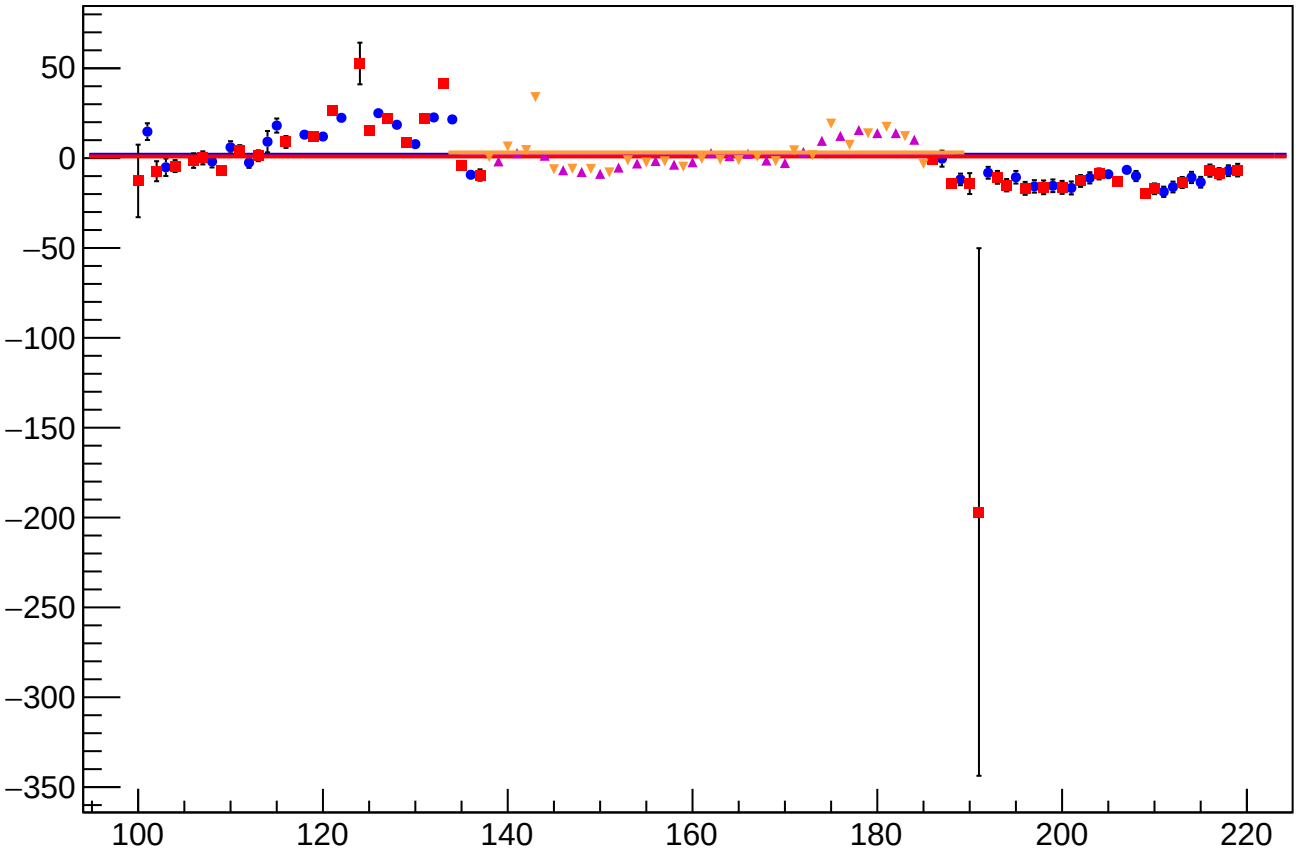
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 64.463+/-0.245 χ^2/NDF: 9570.2/68

In: 48.838+/-0.223 χ^2/NDF:7906.7/54

Out: 50.517+/-0.215 χ^2/NDF:10281.1/61

All: 49.709+/-0.155 χ^2/NDF: 18217.2/116



Right In: 1.871+/-0.489 χ^2/NDF: 859.3/31

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 0.943+/-0.485 χ^2/NDF: 1047.0/36

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

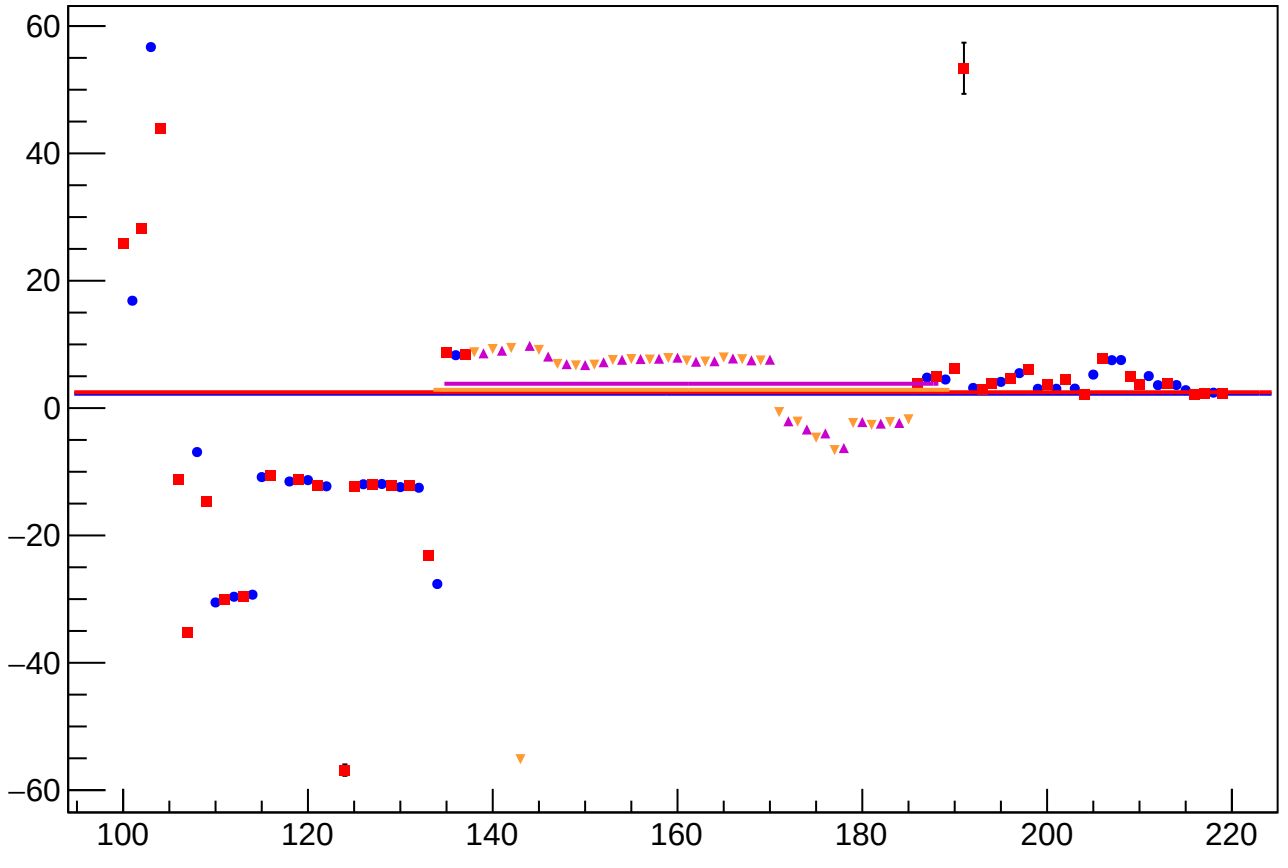
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 1.403+/-0.344 χ^2/NDF: 1908.1/68

In: 2.384+/-0.223 χ^2/NDF:1828.8/54

Out: 2.694+/-0.219 χ^2/NDF:2330.4/61

All: 2.542+/-0.156 χ^2/NDF: 4160.2/116



Right In: 2.256+/-0.023 χ^2/NDF: 383015.4/31

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.488+/-0.023 χ^2/NDF: 330763.0/36

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

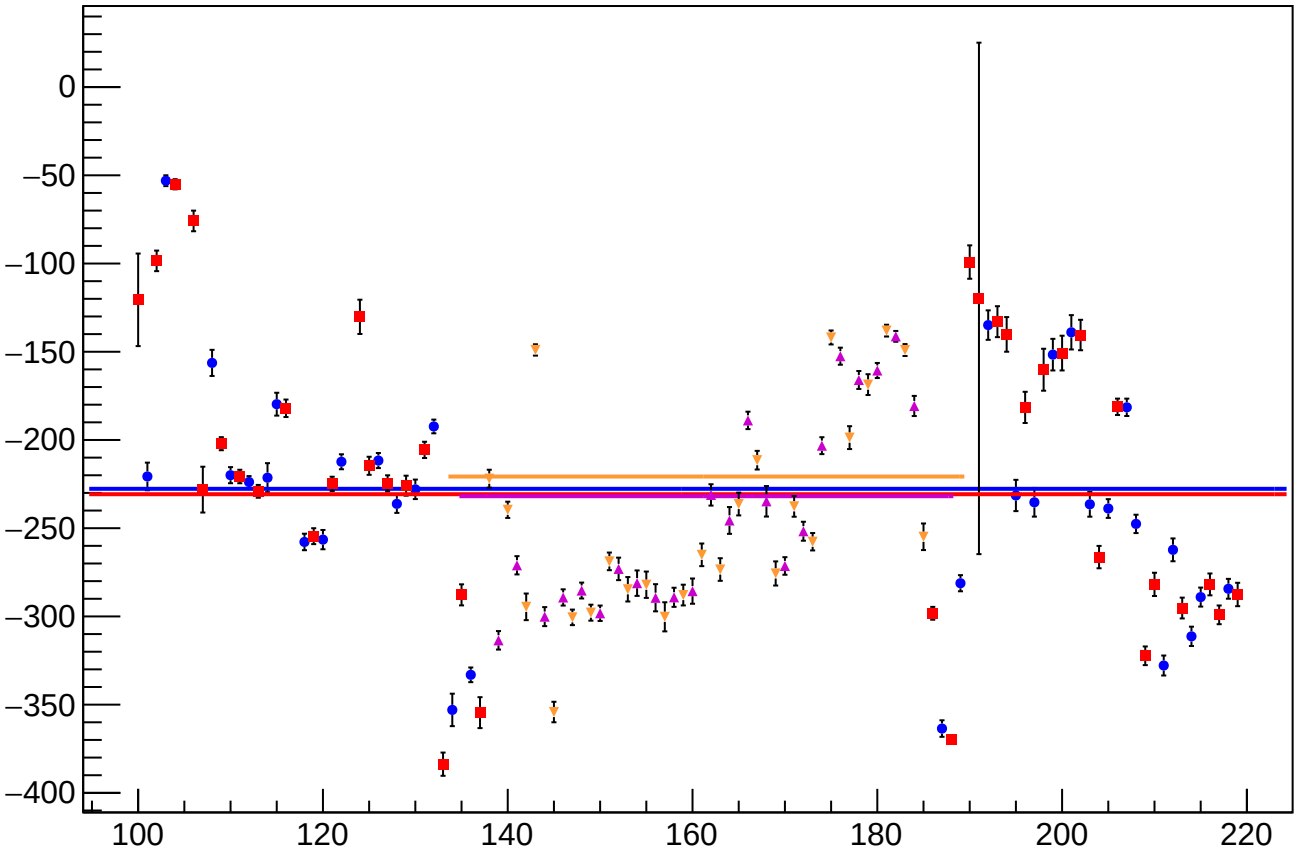
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 2.371+/-0.017 χ^2/NDF: 713827.7/68

In: 3.536+/-0.010 χ^2/NDF:619929.2/54

Out: 2.801+/-0.010 χ^2/NDF:843312.8/61

All: 3.165+/-0.007 χ^2/NDF: 1465947.4/116



Right In: -227.677+/-0.929 χ^2/NDF: 6576.1/31

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -230.739+/-0.860 χ^2/NDF: 11153.5/36

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

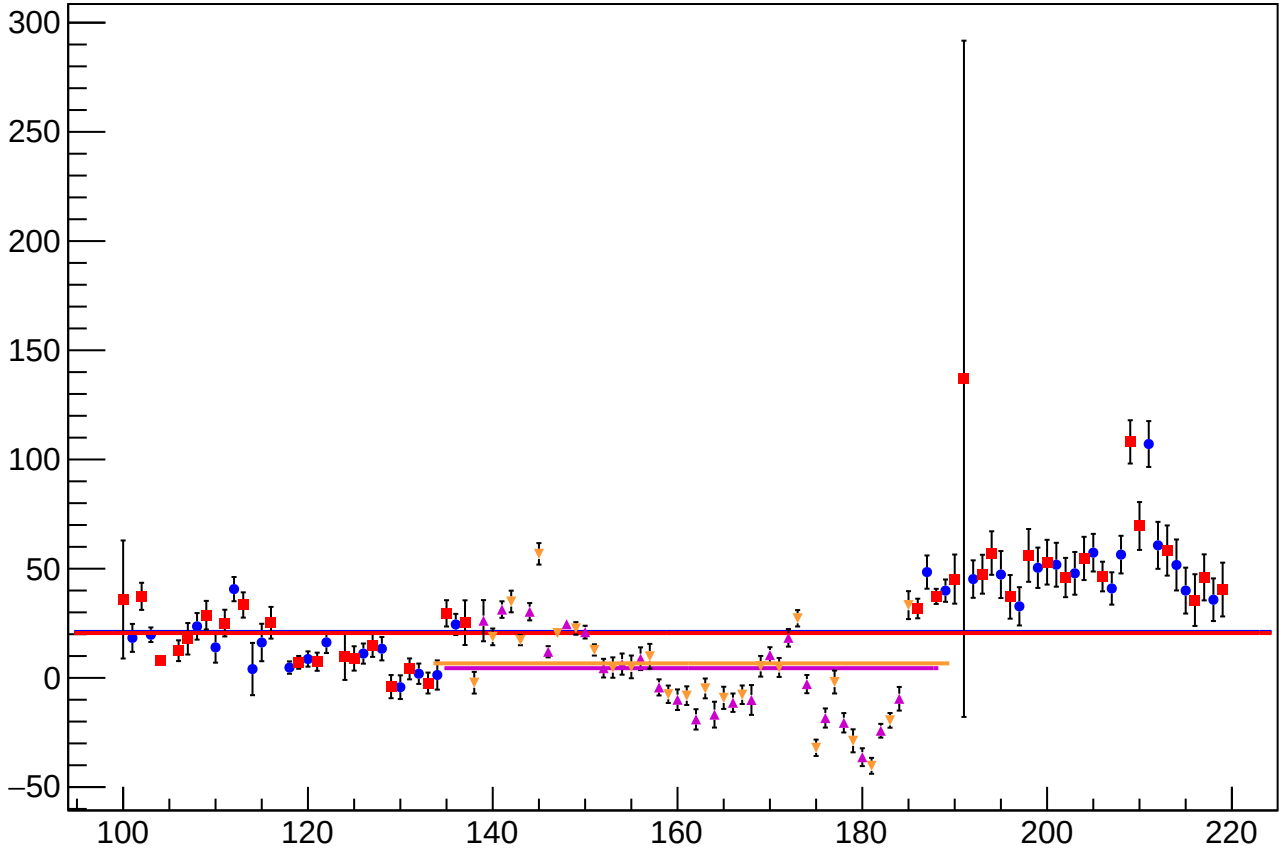
Right: -229.325+/-0.631 χ^2/NDF: 17735.4/68

In: -229.465+/-0.703 χ^2/NDF:9745.1/54

Out: -226.566+/-0.657 χ^2/NDF:15262.2/61

All: -227.918+/-0.480 χ^2/NDF: 25016.4/116

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 21.041+/-1.052 χ^2/NDF: 322.3/31

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 20.524+/-0.963 χ^2/NDF: 377.1/36

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

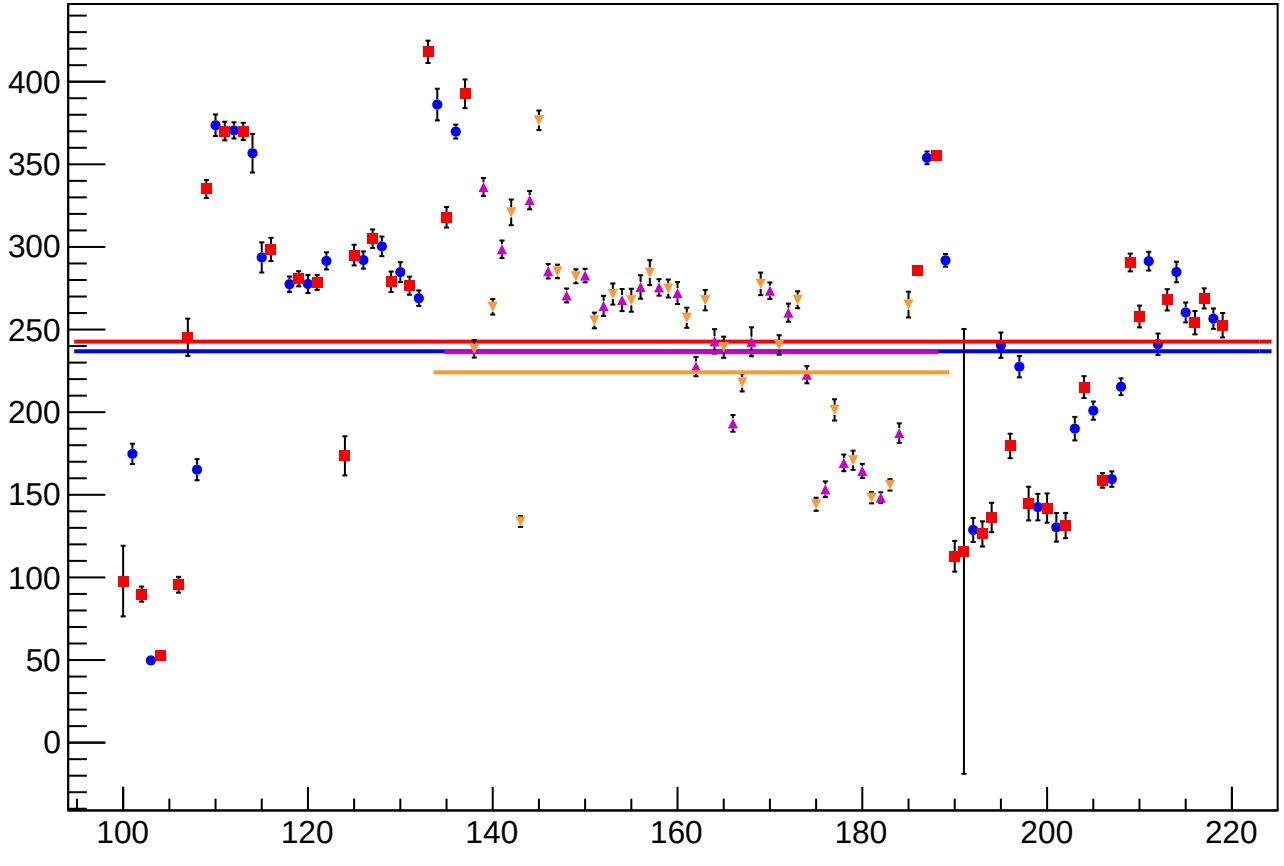
Right: 20.760+/-0.710 χ^2/NDF: 699.5/68

In: 10.597+/-0.640 χ^2/NDF:1046.0/54

Out: 11.905+/-0.593 χ^2/NDF:1241.1/61

All: 11.301+/-0.435 χ^2/NDF: 2289.4/116

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 236.859+/-0.942 χ^2/NDF: 11604.7/31

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 242.694+/-0.849 χ^2/NDF: 17102.3/36

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

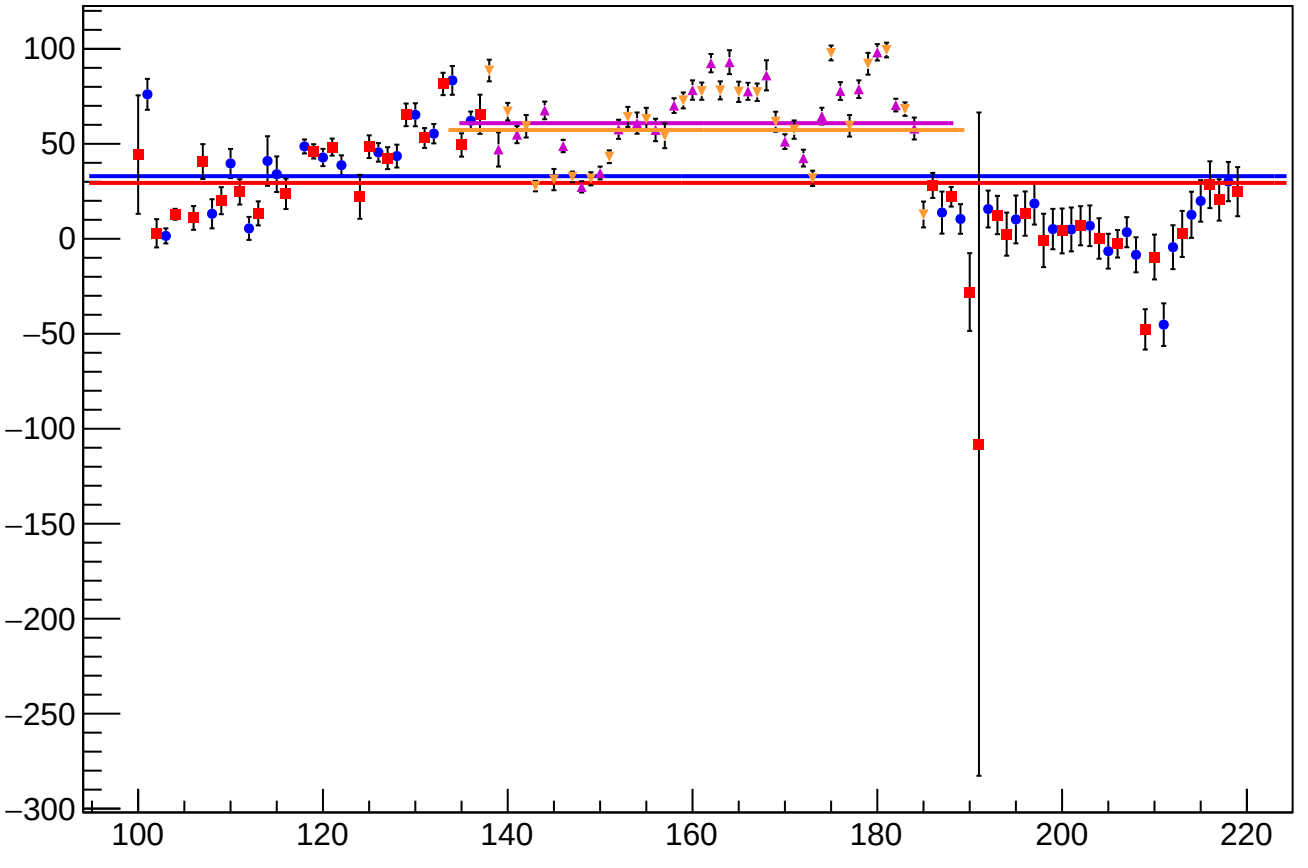
Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

Right: 240.080+/-0.631 χ^2/NDF: 28728.1/68

In: 236.632+/-0.706 χ^2/NDF:14597.7/54

Out: 235.038+/-0.651 χ^2/NDF:21266.2/61

All: 235.770+/-0.479 χ^2/NDF: 35866.7/116



Right In: 32.970+/-1.225 χ^2/NDF: 435.1/31

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 29.429+/-1.149 χ^2/NDF: 407.3/36

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

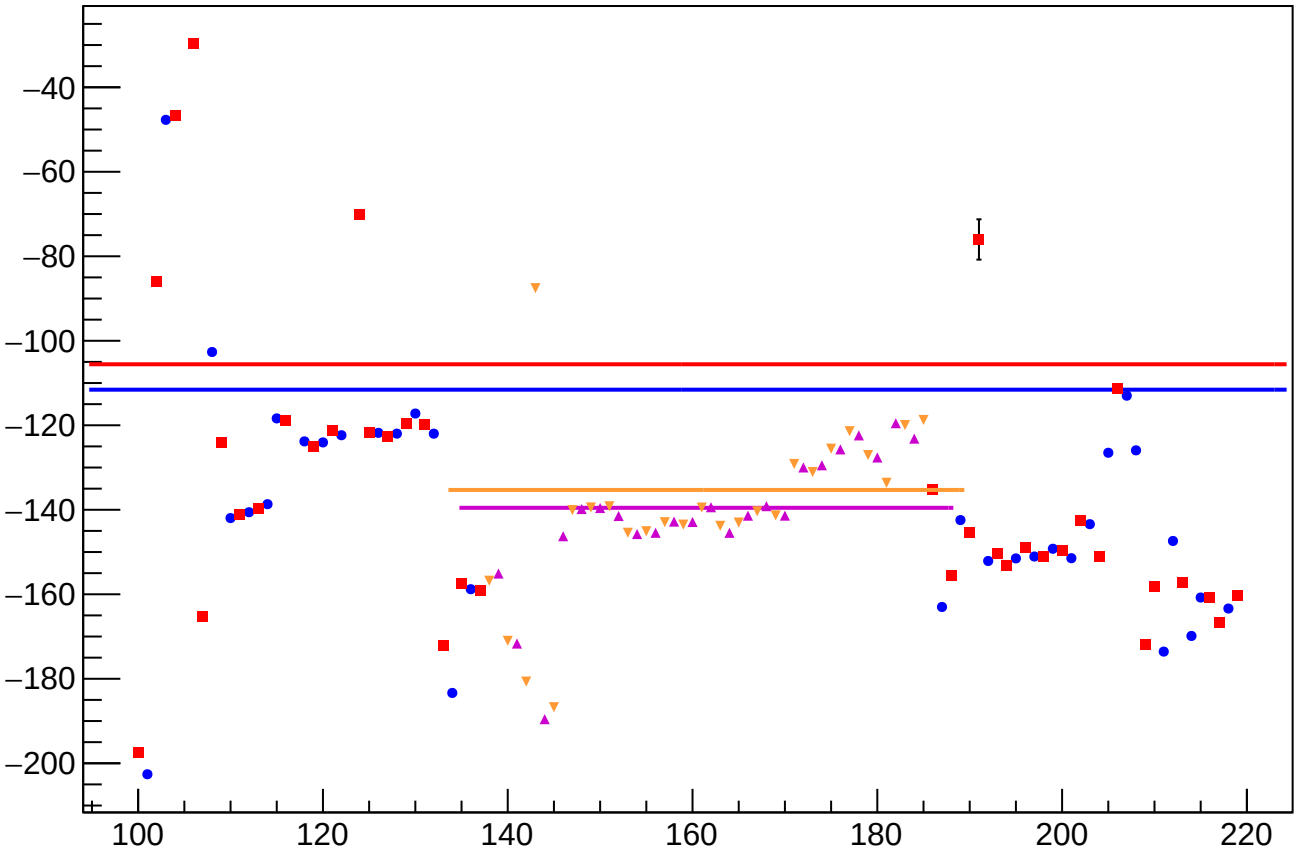
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 31.086+/-0.838 χ^2/NDF: 846.8/68

In: 50.778+/-0.737 χ^2/NDF:1220.9/54

Out: 47.165+/-0.693 χ^2/NDF:1549.5/61

All: 48.860+/-0.505 χ^2/NDF: 2783.2/116



Right In: -111.573+/-0.057 χ^2/NDF: 708427.5/31

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -105.560+/-0.055 χ^2/NDF: 777307.3/36

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

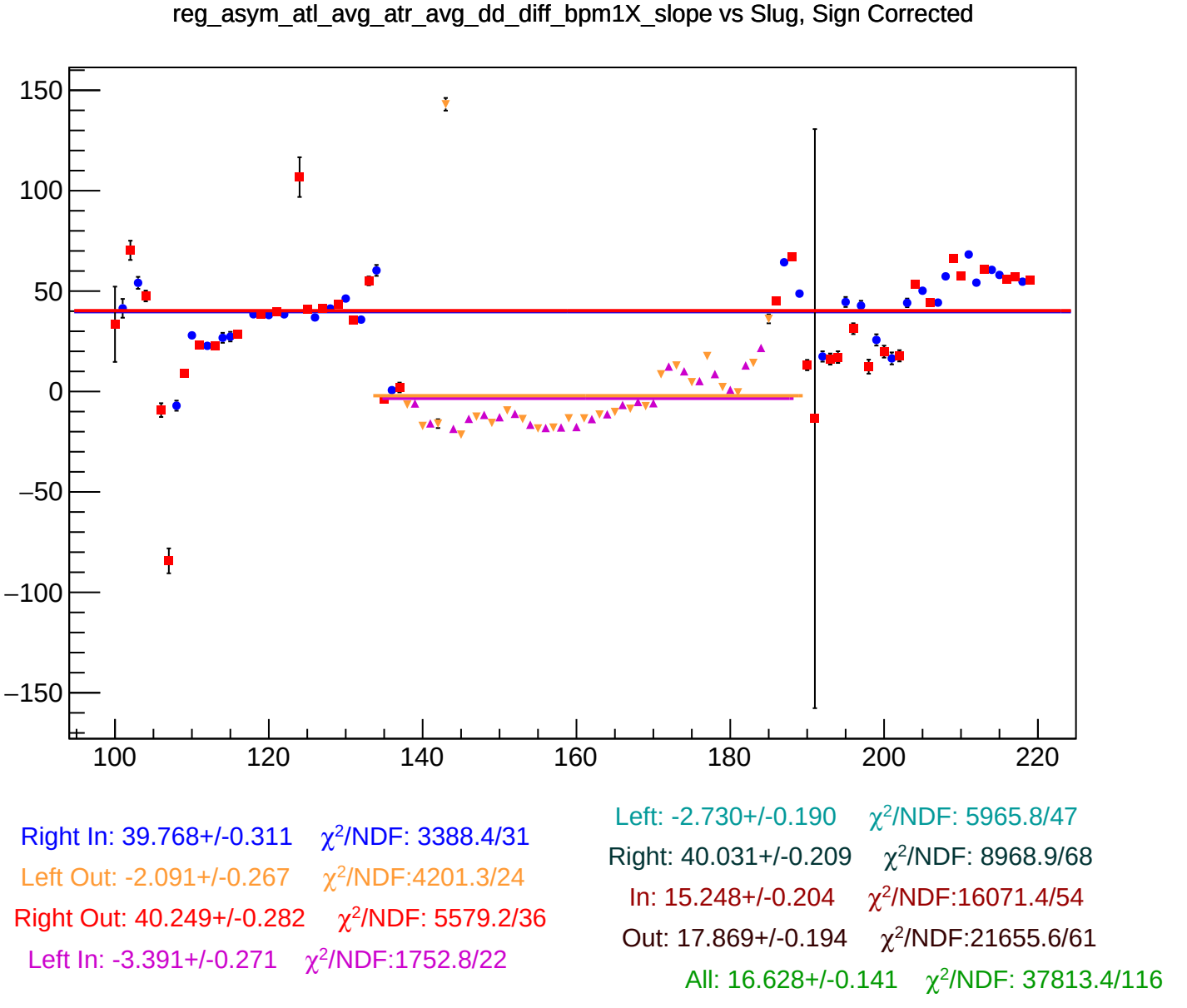
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

Right: -108.465+/-0.040 χ^2/NDF: 1491509.4/68

In: -129.637+/-0.034 χ^2/NDF:978949.1/54

Out: -124.822+/-0.033 χ^2/NDF:1229579.9/61

All: -127.143+/-0.023 χ^2/NDF: 2219010.7/11


reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected
150
100
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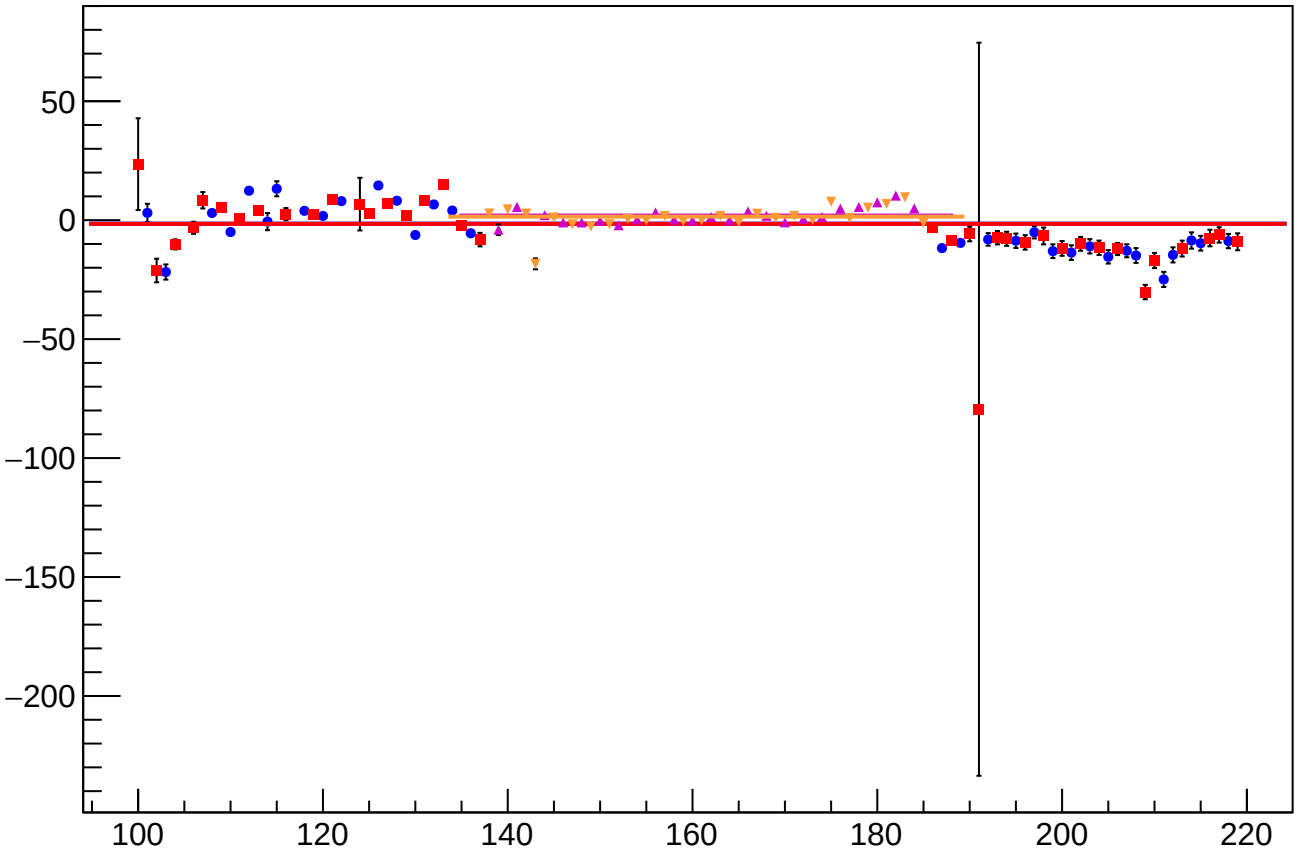
0
−50
−100
−150
100
120
140
160
180
200
220
Right In: 39.768+/-0.311 χ²/NDF: 3388.4/31
Left Out: -2.091+/-0.267 χ²/NDF:4201.3/24
Right Out: 40.249+/-0.282 χ²/NDF: 5579.2/36
Left In: -3.391+/-0.271 χ²/NDF:1752.8/22
Left: -2.730+/-0.190 χ²/NDF: 5965.8/47
Right: 40.031+/-0.209 χ²/NDF: 8968.9/68
In: 15.248+/-0.204 χ²/NDF:16071.4/54
Out: 17.869+/-0.194 χ²/NDF:21655.6/61
All: 16.628+/-0.141 χ²/NDF: 37813.4/116



Right In: -1.467+/-0.368 χ^2/NDF: 604.7/31

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -1.527+/-0.346 χ^2/NDF: 548.4/36

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

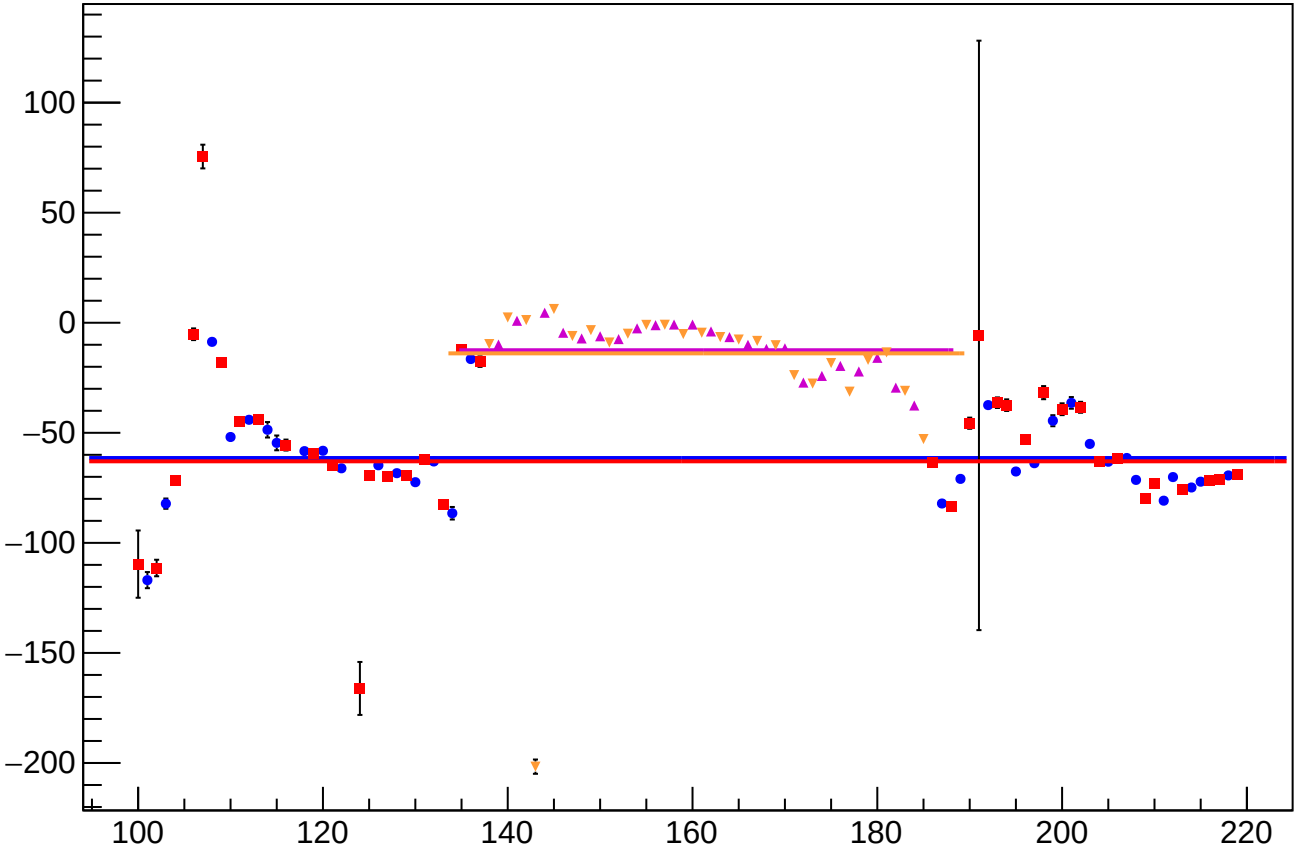
Right: -1.499+/-0.252 χ^2/NDF: 1153.1/68

In: 1.097+/-0.183 χ^2/NDF:909.6/54

Out: 0.706+/-0.176 χ^2/NDF:933.2/61

All: 0.894+/-0.127 χ^2/NDF: 1845.2/116

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -61.460+/-0.324 χ^2/NDF: 3682.8/31

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -62.948+/-0.282 χ^2/NDF: 5722.2/36

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

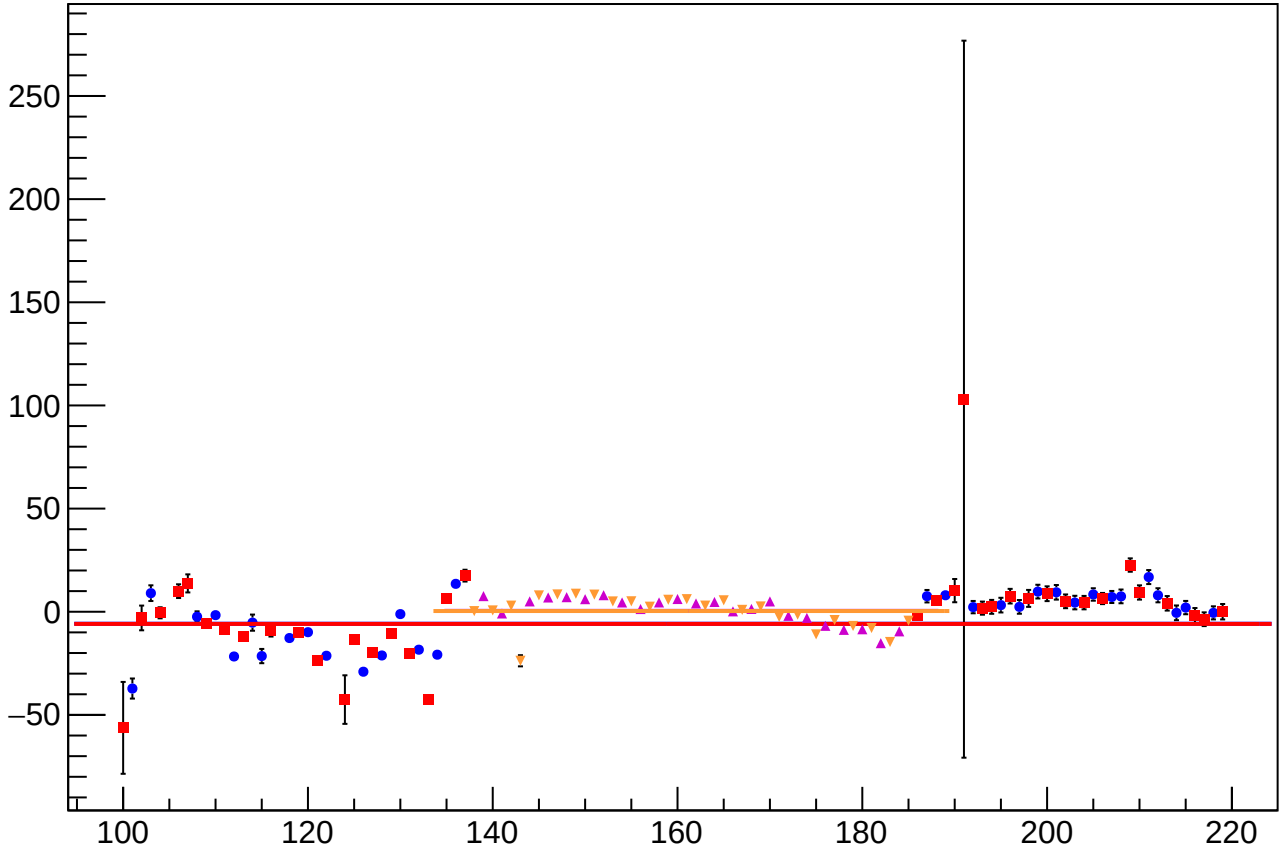
Right: -62.306+/-0.213 χ^2/NDF: 9417.1/68

In: -32.475+/-0.207 χ^2/NDF:18664.6/54

Out: -36.882+/-0.193 χ^2/NDF:26929.5/61

All: -34.830+/-0.141 χ^2/NDF: 45836.8/116

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.810+/-0.426 χ^2/NDF: 1012.8/31

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -5.894+/-0.412 χ^2/NDF: 1054.4/36

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

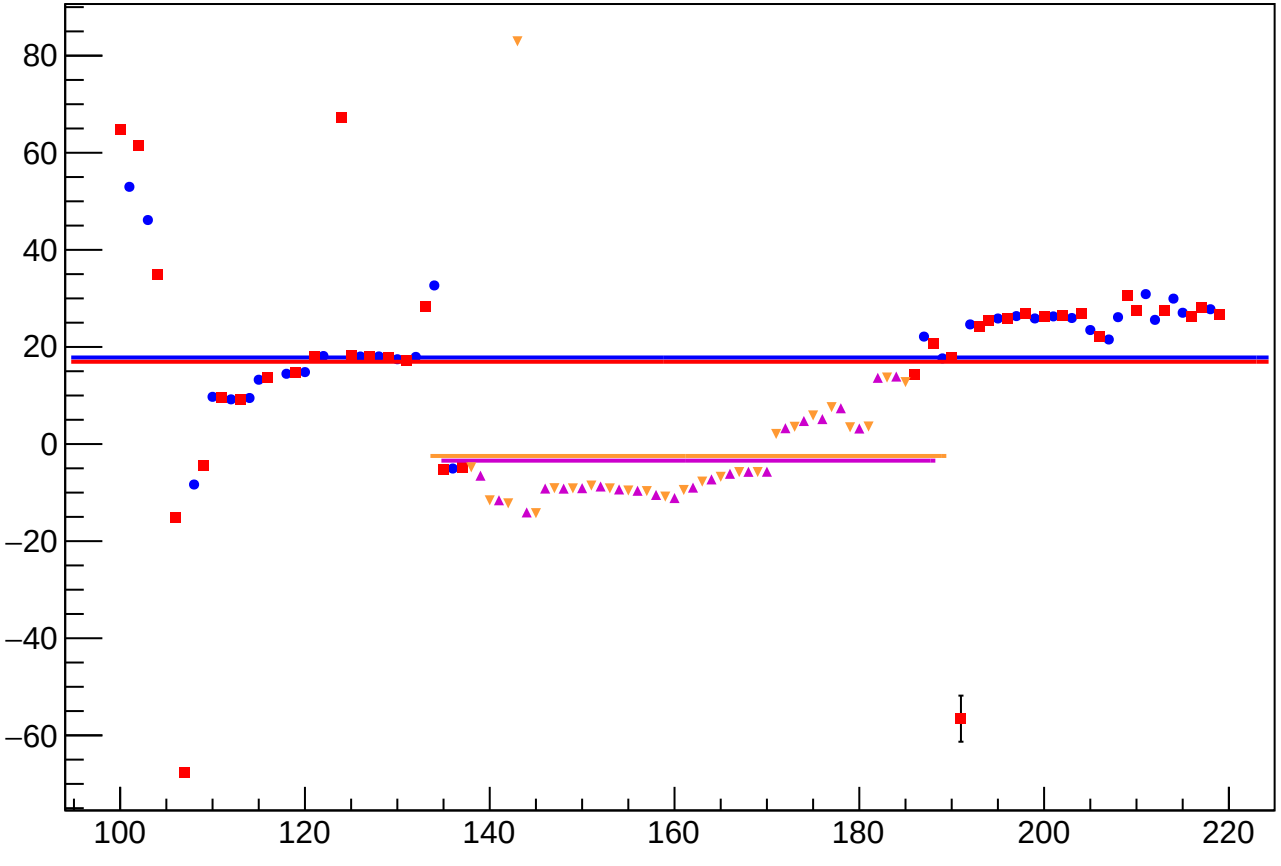
Right: -5.853+/-0.296 χ^2/NDF: 2067.2/68

In: -1.040+/-0.207 χ^2/NDF:1959.1/54

Out: -1.148+/-0.202 χ^2/NDF:2150.4/61

All: -1.096+/-0.144 χ^2/NDF: 4109.6/116

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 17.831+/-0.022 χ^2/NDF: 458451.1/31

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 16.952+/-0.021 χ^2/NDF: 582896.6/36

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

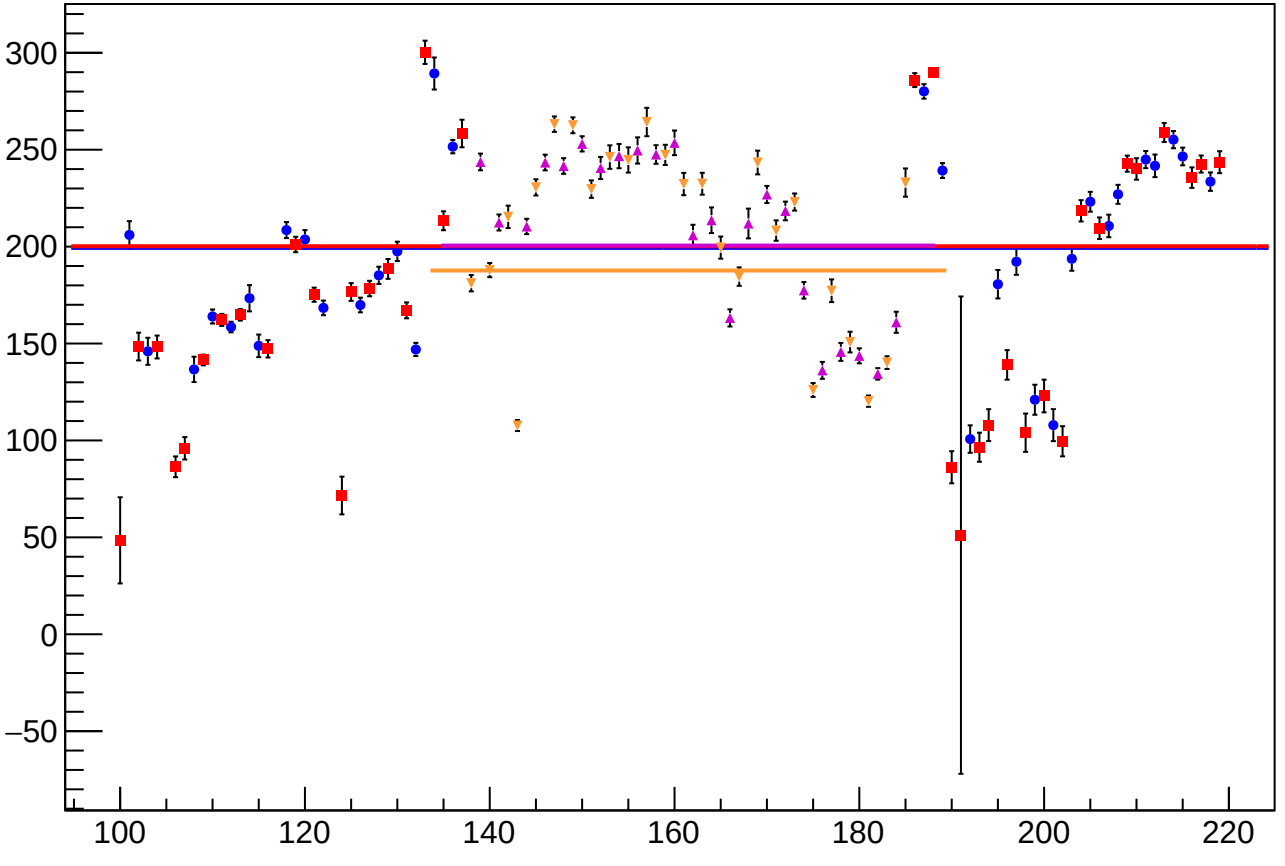
Right: 17.389+/-0.015 χ^2/NDF: 1042181.6/68

In: 0.613+/-0.009 χ^2/NDF:1791092.7/54

Out: 1.212+/-0.009 χ^2/NDF:2208077.6/61

All: 0.915+/-0.007 χ^2/NDF: 4001217.2/116

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 199.347+/-0.836 χ^2/NDF: 2820.0/31

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 200.189+/-0.764 χ^2/NDF: 6581.8/36

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

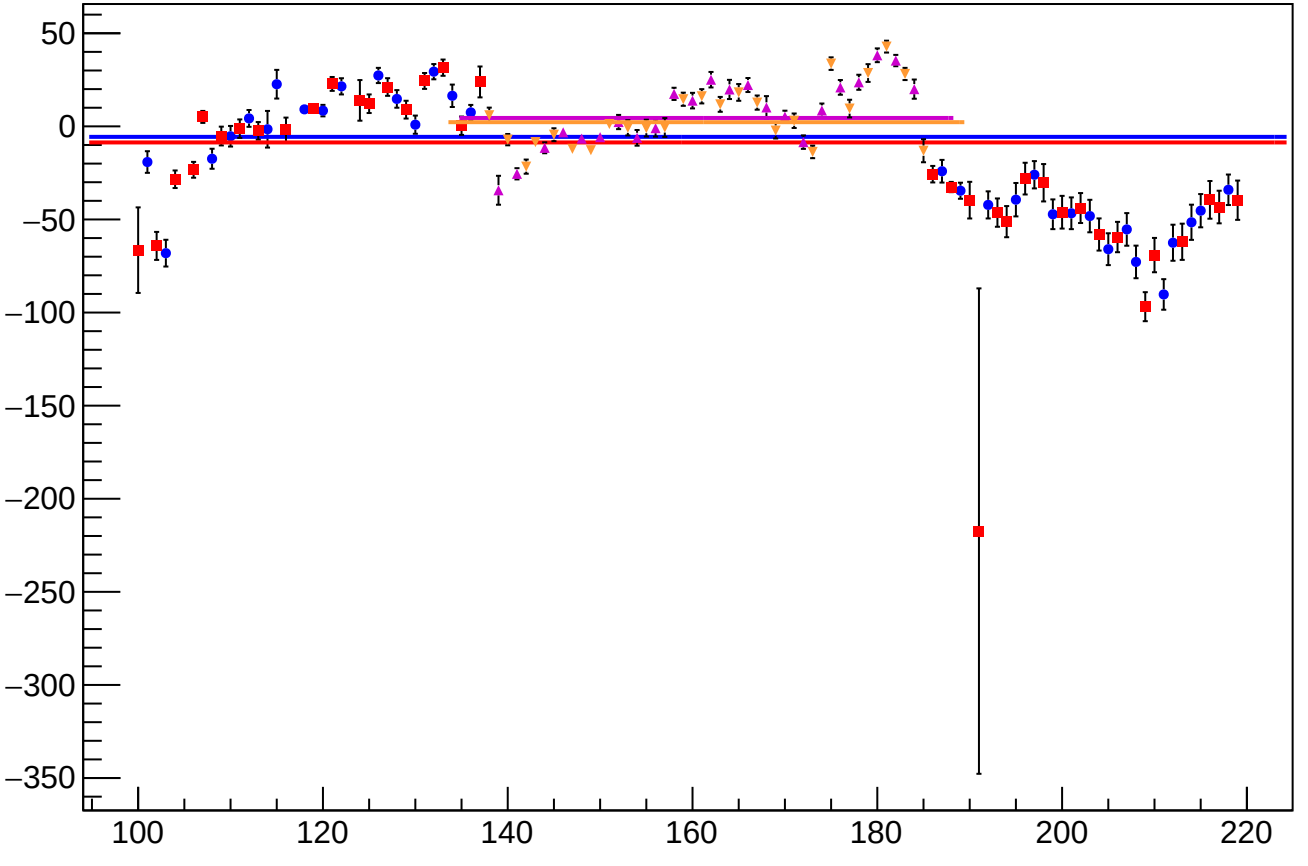
Right: 199.805+/-0.564 χ^2/NDF: 9402.4/68

In: 199.856+/-0.629 χ^2/NDF:4932.3/54

Out: 194.934+/-0.582 χ^2/NDF:10222.7/61

All: 197.204+/-0.427 χ^2/NDF: 15188.0/116

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.641+/-0.960 χ^2/NDF: 894.0/31

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -8.640+/-0.890 χ^2/NDF: 980.7/36

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

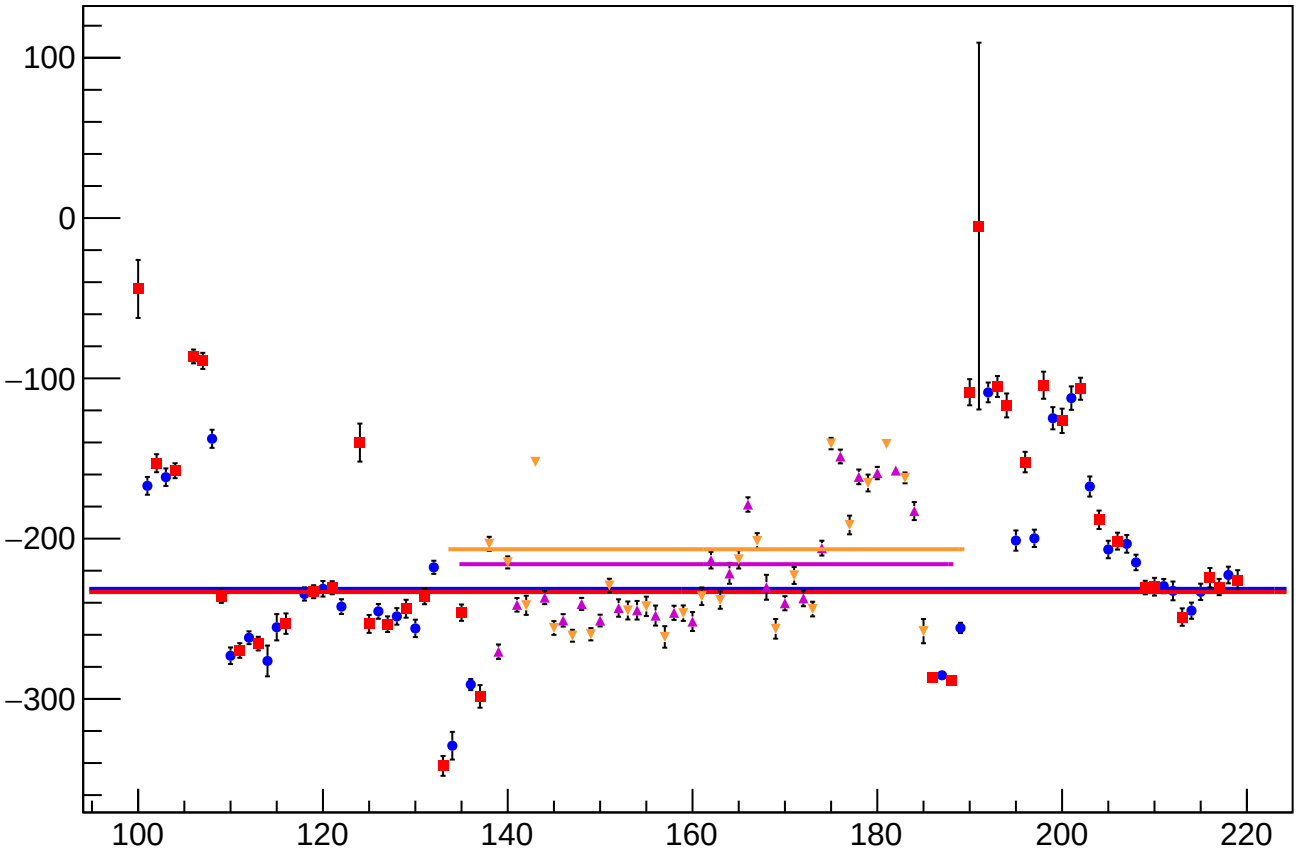
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -7.254+/-0.653 χ^2/NDF: 1880.0/68

In: 0.898+/-0.573 χ^2/NDF:1513.1/54

Out: -1.650+/-0.533 χ^2/NDF:1677.6/61

All: -0.469+/-0.390 χ^2/NDF: 3201.3/116



Right In: -231.326+/-0.876 χ^2/NDF: 2693.5/31

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.339+/-0.777 χ^2/NDF: 6672.4/36

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

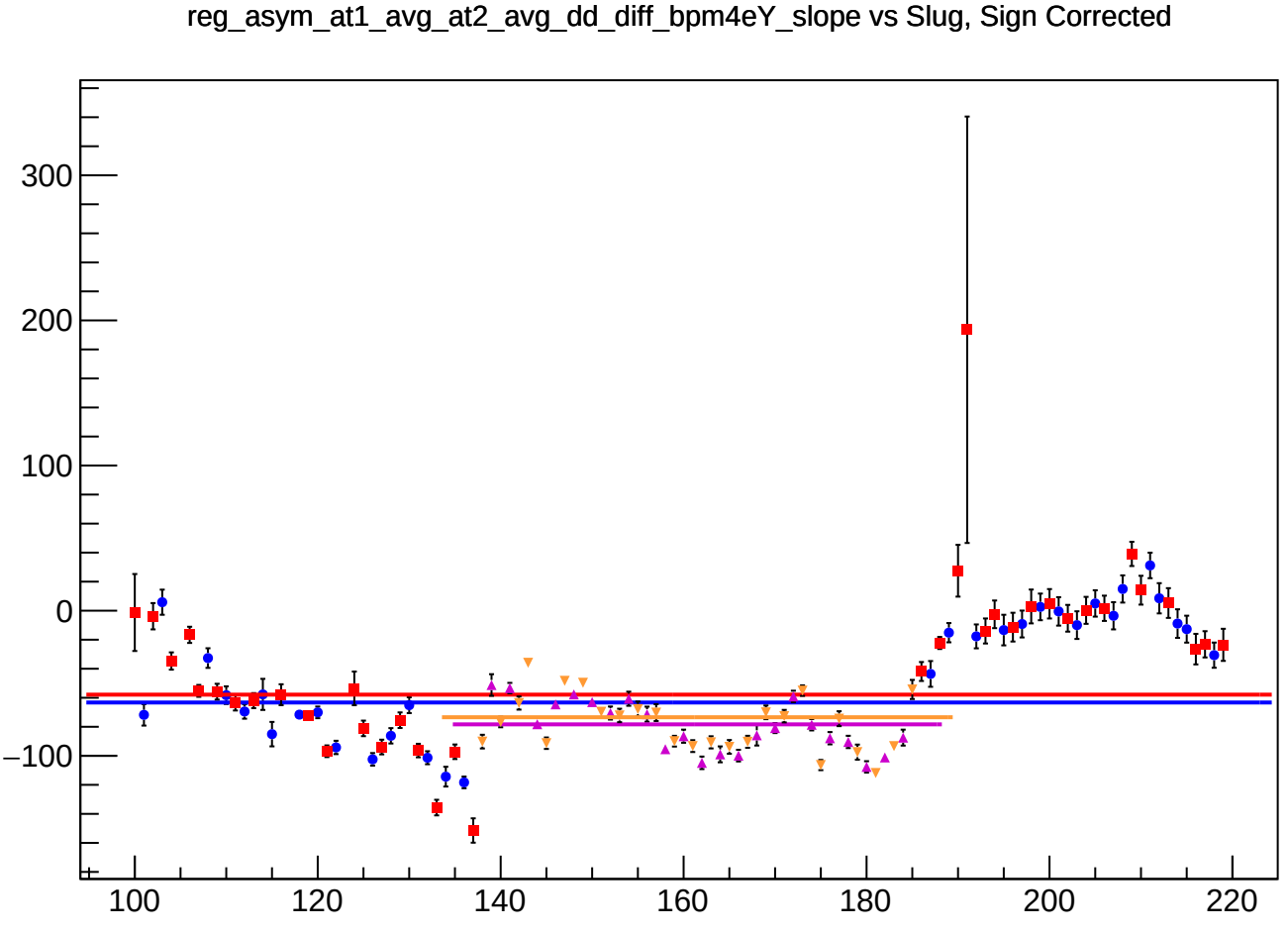
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.453+/-0.582 χ^2/NDF: 9368.8/68

In: -224.219+/-0.643 χ^2/NDF:4547.8/54

Out: -221.847+/-0.587 χ^2/NDF:9648.5/61

All: -222.925+/-0.433 χ^2/NDF: 14203.7/116


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
300
200
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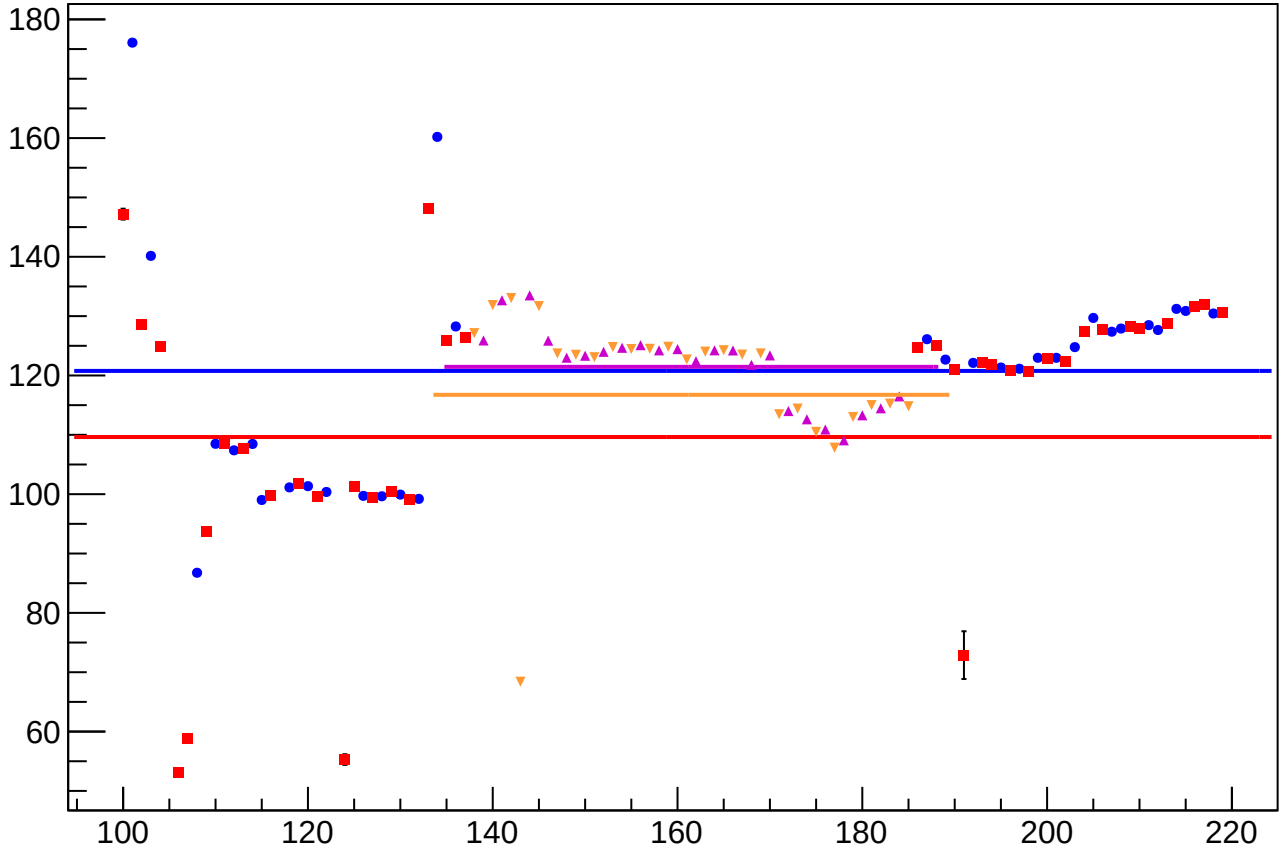
−100
100
120
140
160
180
200
220
Right In: -63.270+/-1.118 χ²/NDF: 1239.2/31
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -57.855+/-1.056 χ²/NDF: 1397.2/36
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
Left: -75.722+/-0.559 χ²/NDF: 1298.9/47
Right: -60.408+/-0.767 χ²/NDF: 2648.8/68
In: -73.083+/-0.660 χ²/NDF:1800.8/54
Out: -68.047+/-0.621 χ²/NDF:2376.1/61
All: -70.410+/-0.452 χ²/NDF: 4207.8/116

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.770+/-0.059 χ^2/NDF: 100295.4/31

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 109.630+/-0.054 χ^2/NDF: 217880.5/36

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

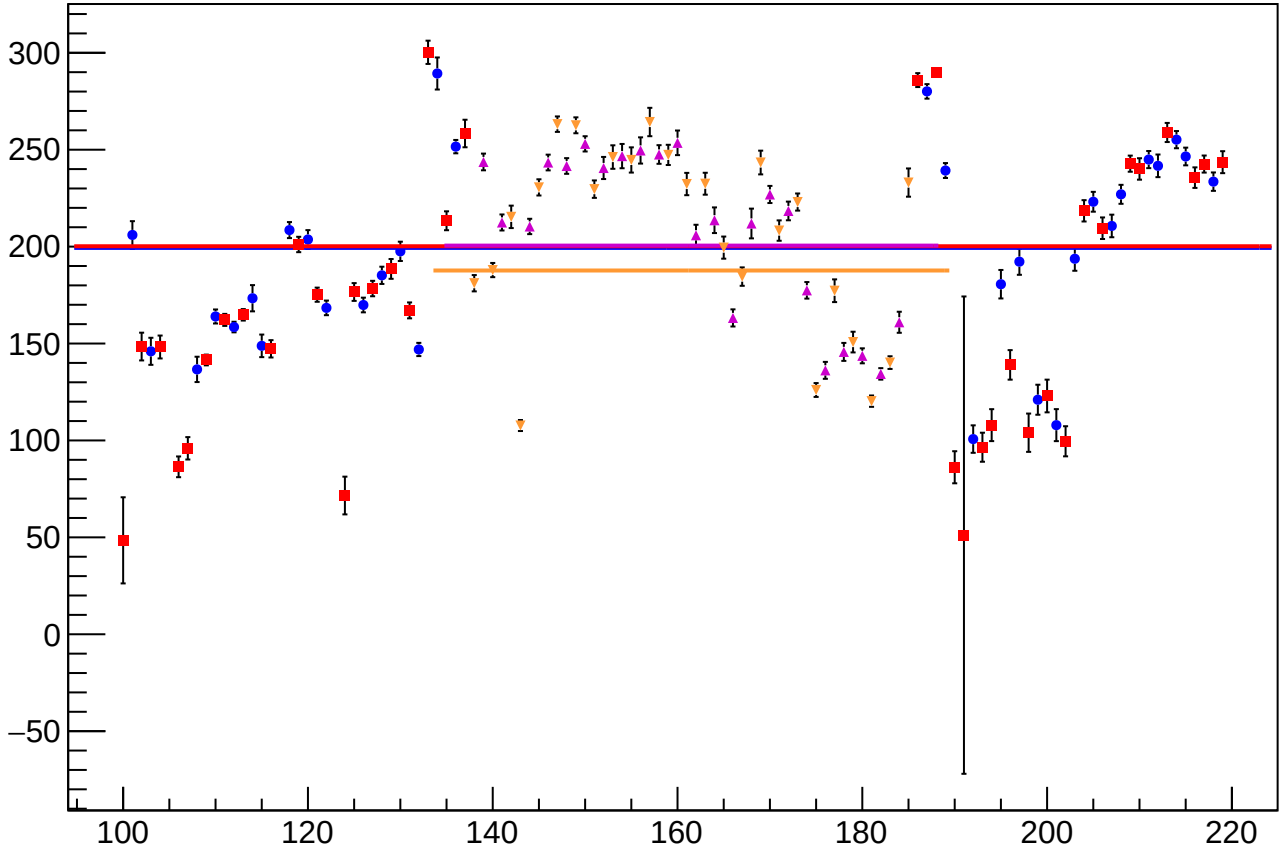
Right: 114.746+/-0.040 χ^2/NDF: 337582.4/68

In: 121.259+/-0.031 χ^2/NDF:129188.7/54

Out: 114.579+/-0.030 χ^2/NDF:433512.6/61

All: 117.745+/-0.022 χ^2/NDF: 586388.2/116

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 199.347+/-0.836 χ^2/NDF: 2820.0/31

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 200.189+/-0.764 χ^2/NDF: 6581.8/36

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

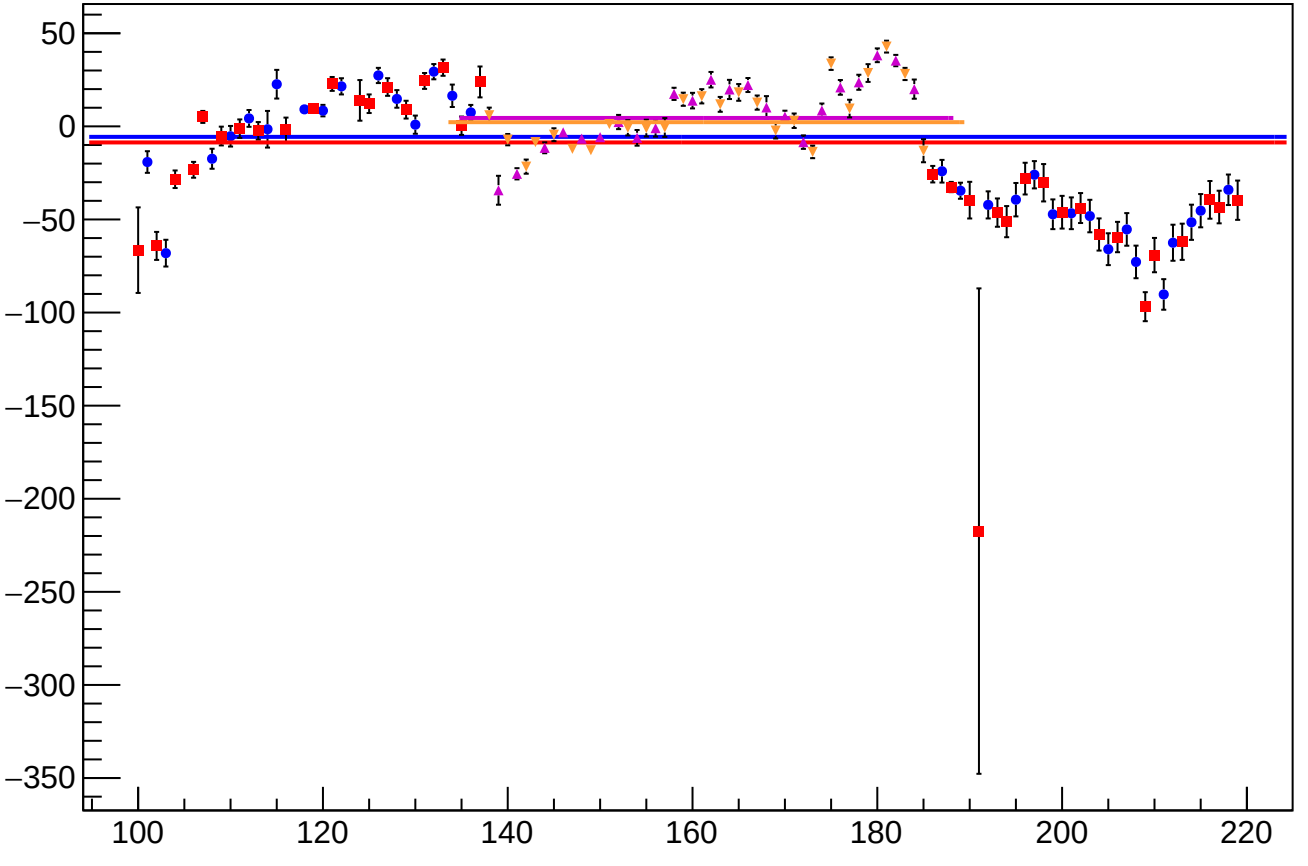
Right: 199.805+/-0.564 χ^2/NDF: 9402.4/68

In: 199.856+/-0.629 χ^2/NDF:4932.3/54

Out: 194.934+/-0.582 χ^2/NDF:10222.7/61

All: 197.204+/-0.427 χ^2/NDF: 15188.0/116

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.641+/-0.960 χ^2/NDF: 894.0/31

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -8.640+/-0.890 χ^2/NDF: 980.7/36

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

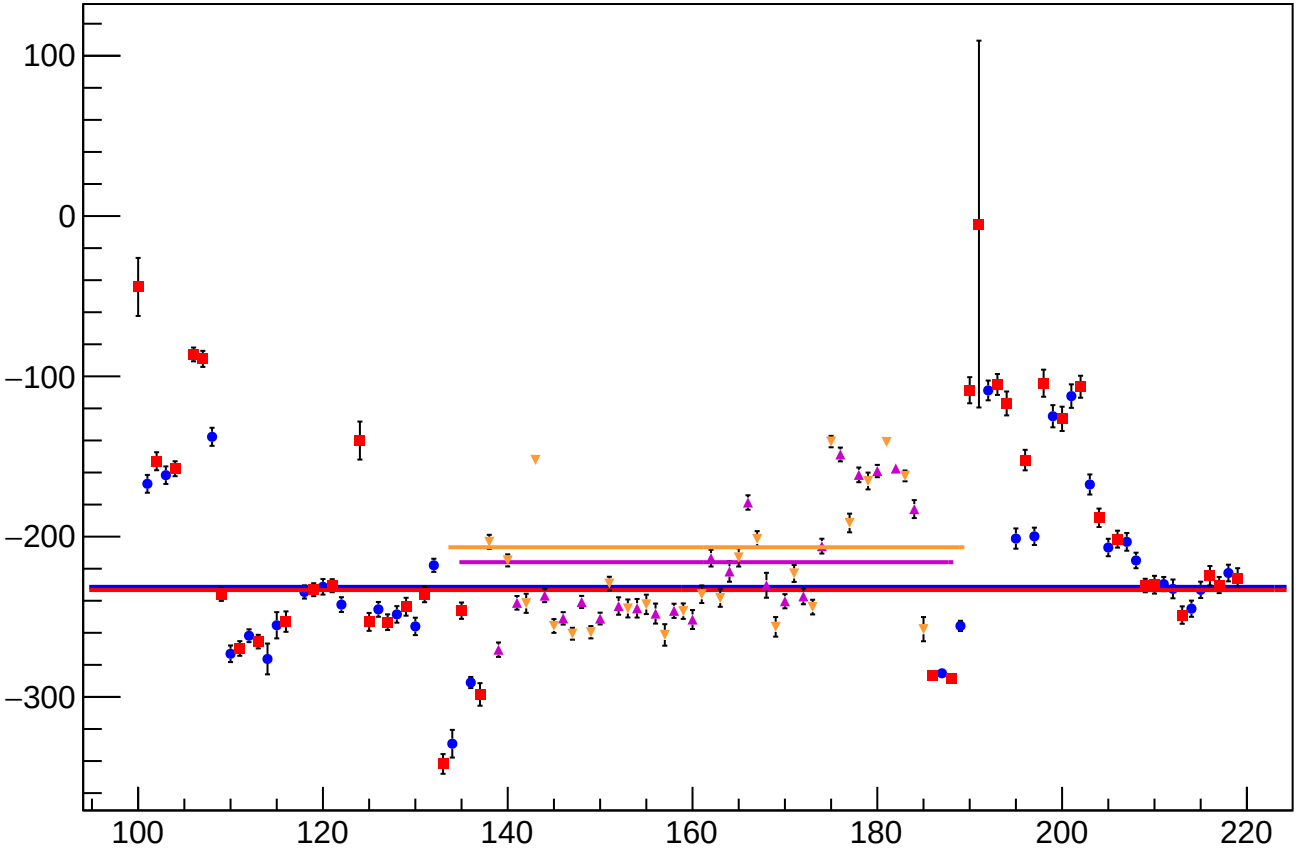
Right: -7.254+/-0.653 χ^2/NDF: 1880.0/68

In: 0.898+/-0.573 χ^2/NDF:1513.1/54

Out: -1.650+/-0.533 χ^2/NDF:1677.6/61

All: -0.469+/-0.390 χ^2/NDF: 3201.3/116

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -231.326+/-0.876 χ^2/NDF: 2693.5/31

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.339+/-0.777 χ^2/NDF: 6672.4/36

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

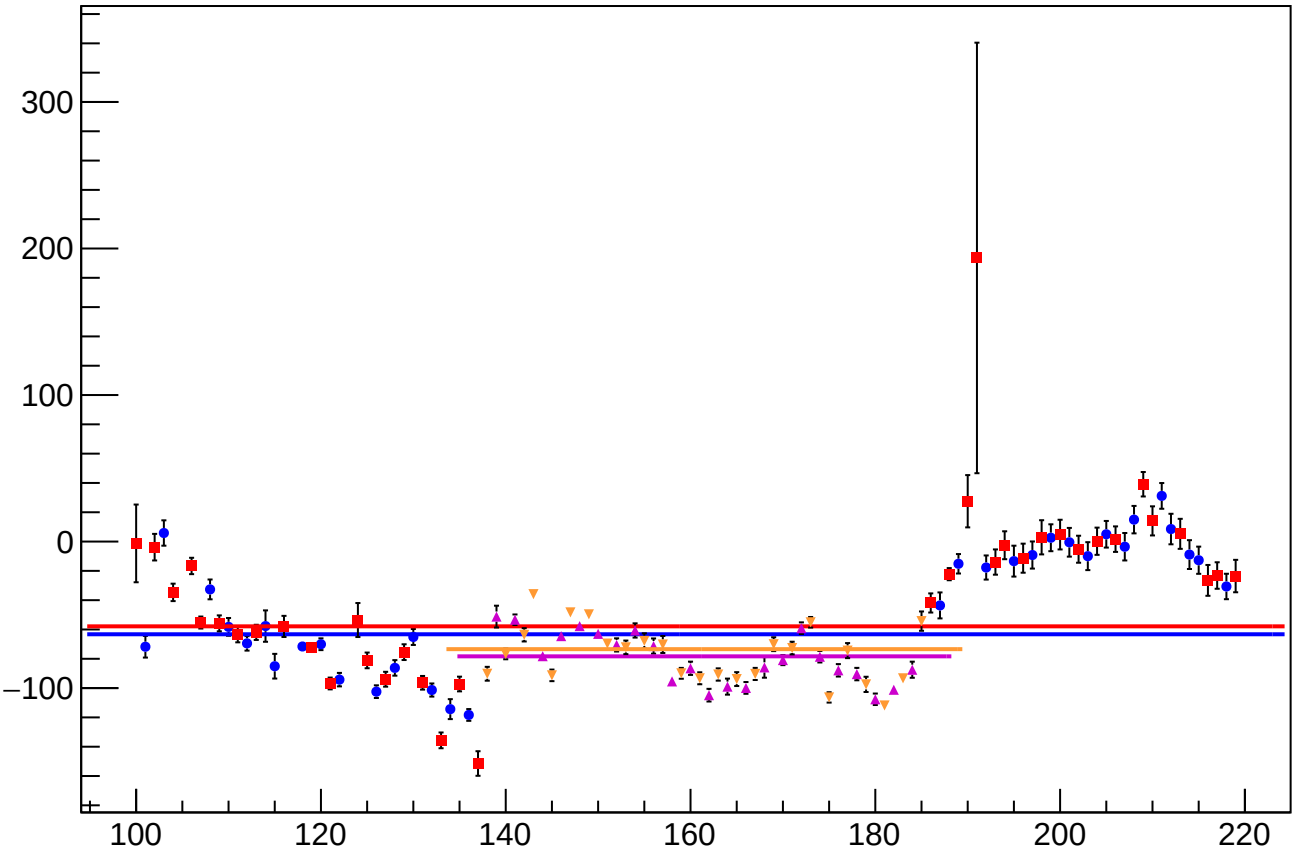
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.453+/-0.582 χ^2/NDF: 9368.8/68

In: -224.219+/-0.643 χ^2/NDF:4547.8/54

Out: -221.847+/-0.587 χ^2/NDF:9648.5/61

All: -222.925+/-0.433 χ^2/NDF: 14203.7/116



Right In: -63.270+/-1.118 χ^2/NDF: 1239.2/31

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -57.855+/-1.056 χ^2/NDF: 1397.2/36

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

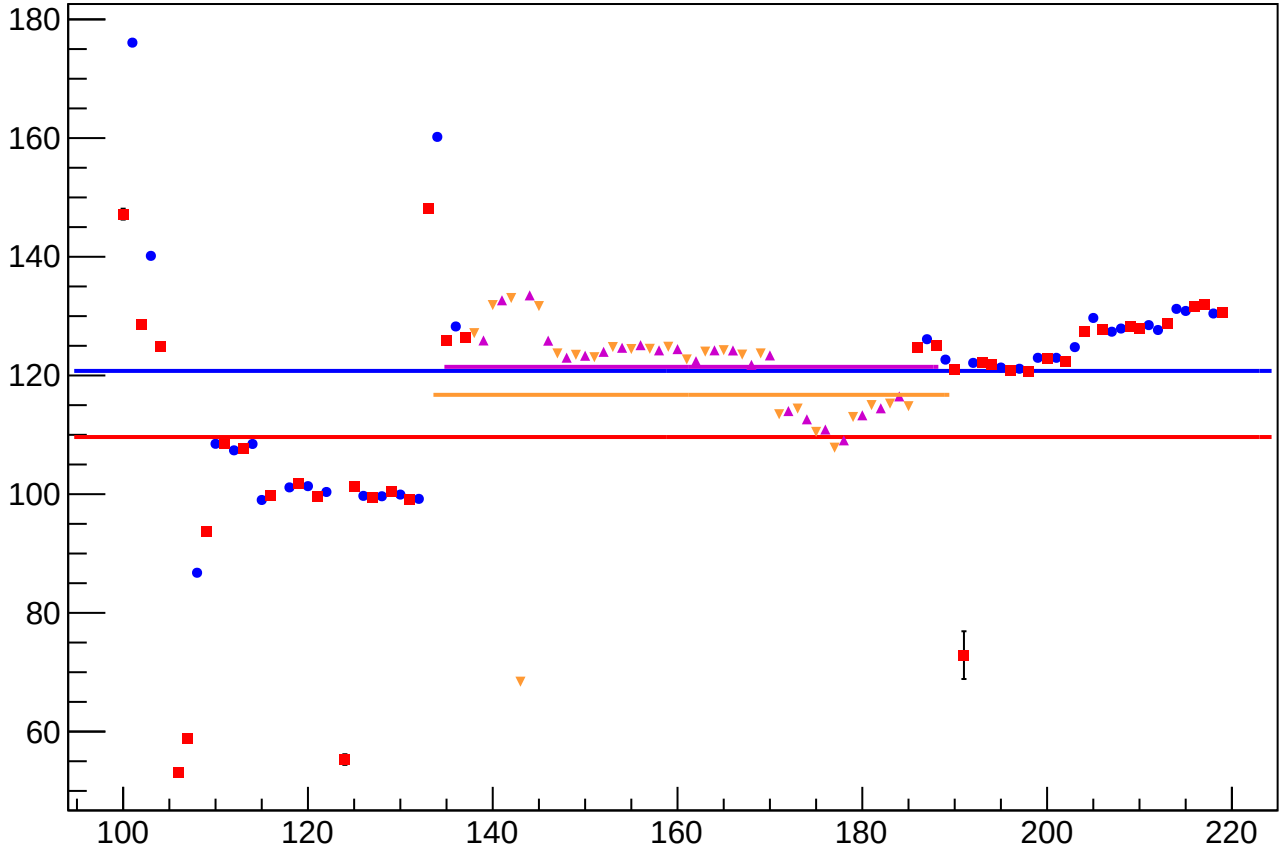
Right: -60.408+/-0.767 χ^2/NDF: 2648.8/68

In: -73.083+/-0.660 χ^2/NDF:1800.8/54

Out: -68.047+/-0.621 χ^2/NDF:2376.1/61

All: -70.410+/-0.452 χ^2/NDF: 4207.8/116

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.770+/-0.059 χ^2/NDF: 100295.4/31

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 109.630+/-0.054 χ^2/NDF: 217880.5/36

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

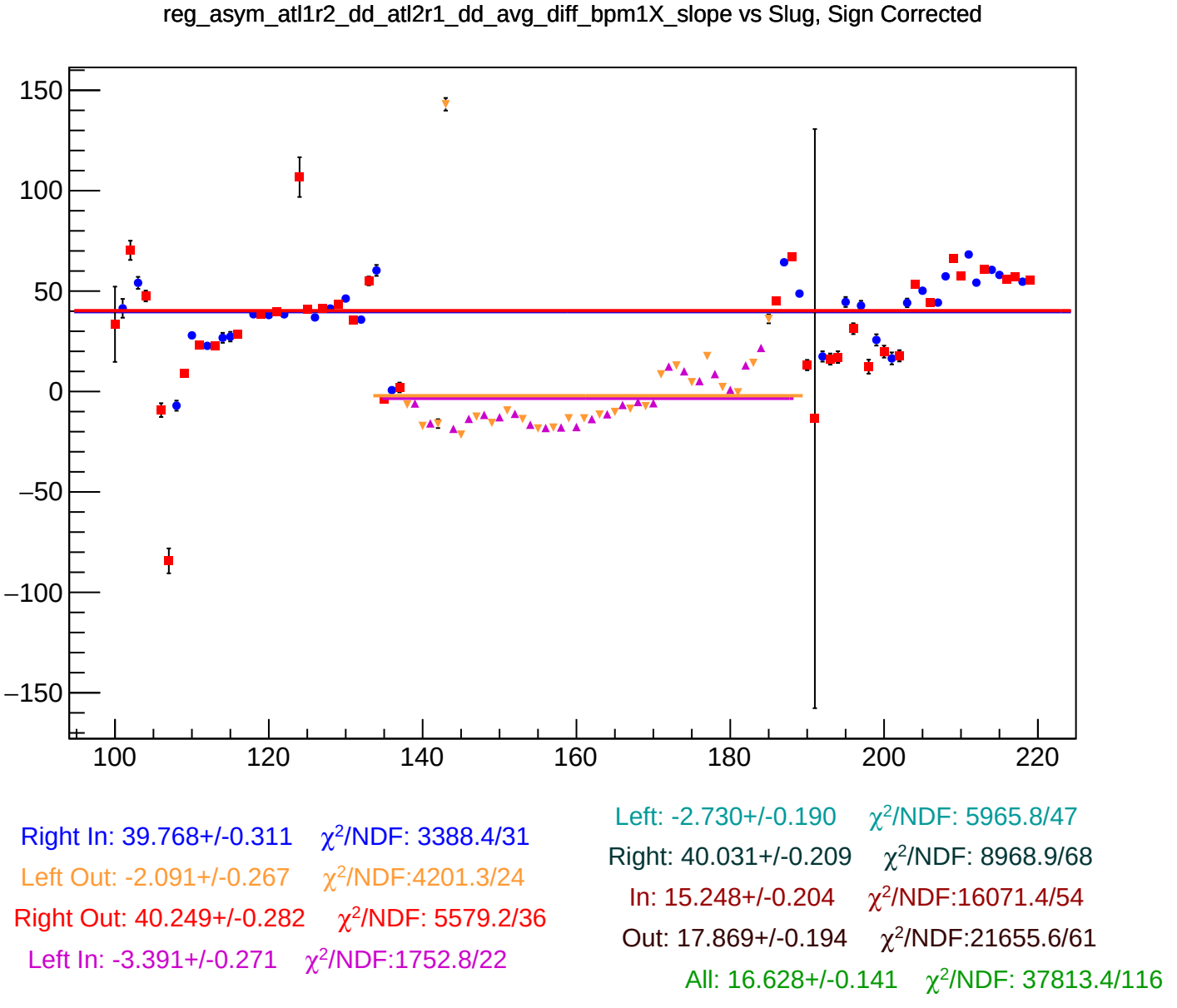
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 114.746+/-0.040 χ^2/NDF: 337582.4/68

In: 121.259+/-0.031 χ^2/NDF:129188.7/54

Out: 114.579+/-0.030 χ^2/NDF:433512.6/61

All: 117.745+/-0.022 χ^2/NDF: 586388.2/116


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
120
140
160
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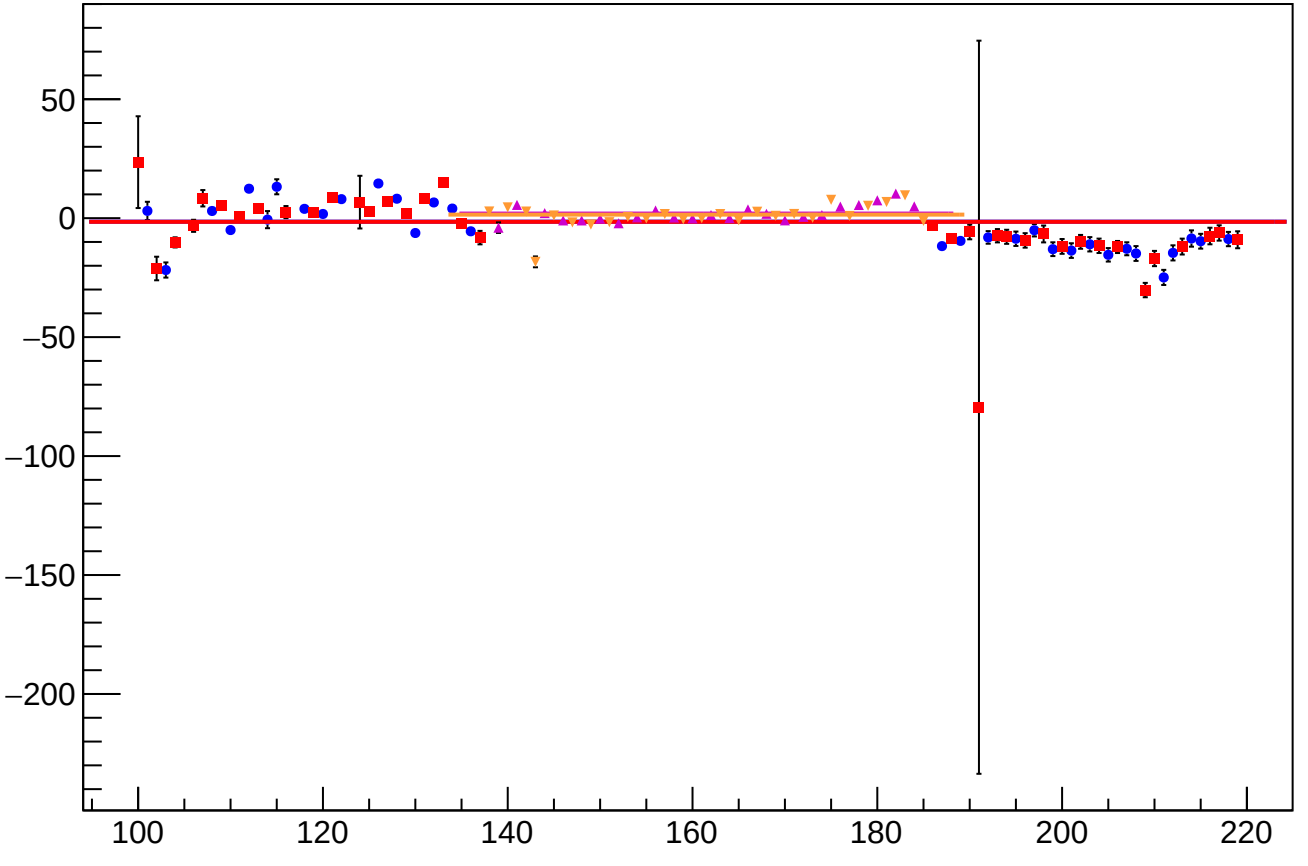
Right In: 39.768+/-0.311 χ²/NDF: 3388.4/31
Left Out: -2.091+/-0.267 χ²/NDF:4201.3/24
Right Out: 40.249+/-0.282 χ²/NDF: 5579.2/36
Left In: -3.391+/-0.271 χ²/NDF:1752.8/22
Left: -2.730+/-0.190 χ²/NDF: 5965.8/47
Right: 40.031+/-0.209 χ²/NDF: 8968.9/68
In: 15.248+/-0.204 χ²/NDF:16071.4/54
Out: 17.869+/-0.194 χ²/NDF:21655.6/61
All: 16.628+/-0.141 χ²/NDF: 37813.4/116

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.467+/-0.368 χ^2/NDF: 604.7/31

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -1.527+/-0.346 χ^2/NDF: 548.4/36

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

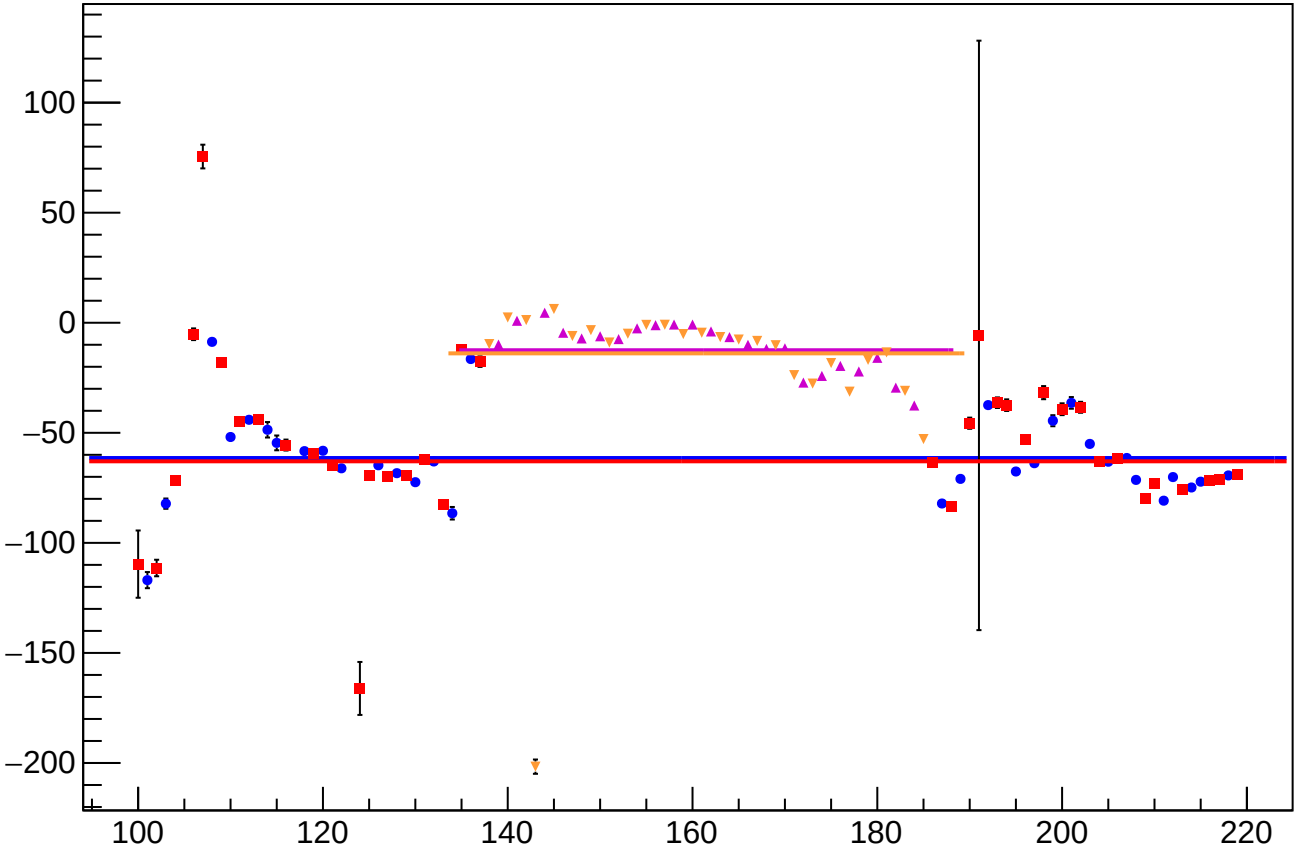
Right: -1.499+/-0.252 χ^2/NDF: 1153.1/68

In: 1.097+/-0.183 χ^2/NDF:909.6/54

Out: 0.706+/-0.176 χ^2/NDF:933.2/61

All: 0.894+/-0.127 χ^2/NDF: 1845.2/116

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -62.948+/-0.282 χ^2/NDF: 5722.2/36

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

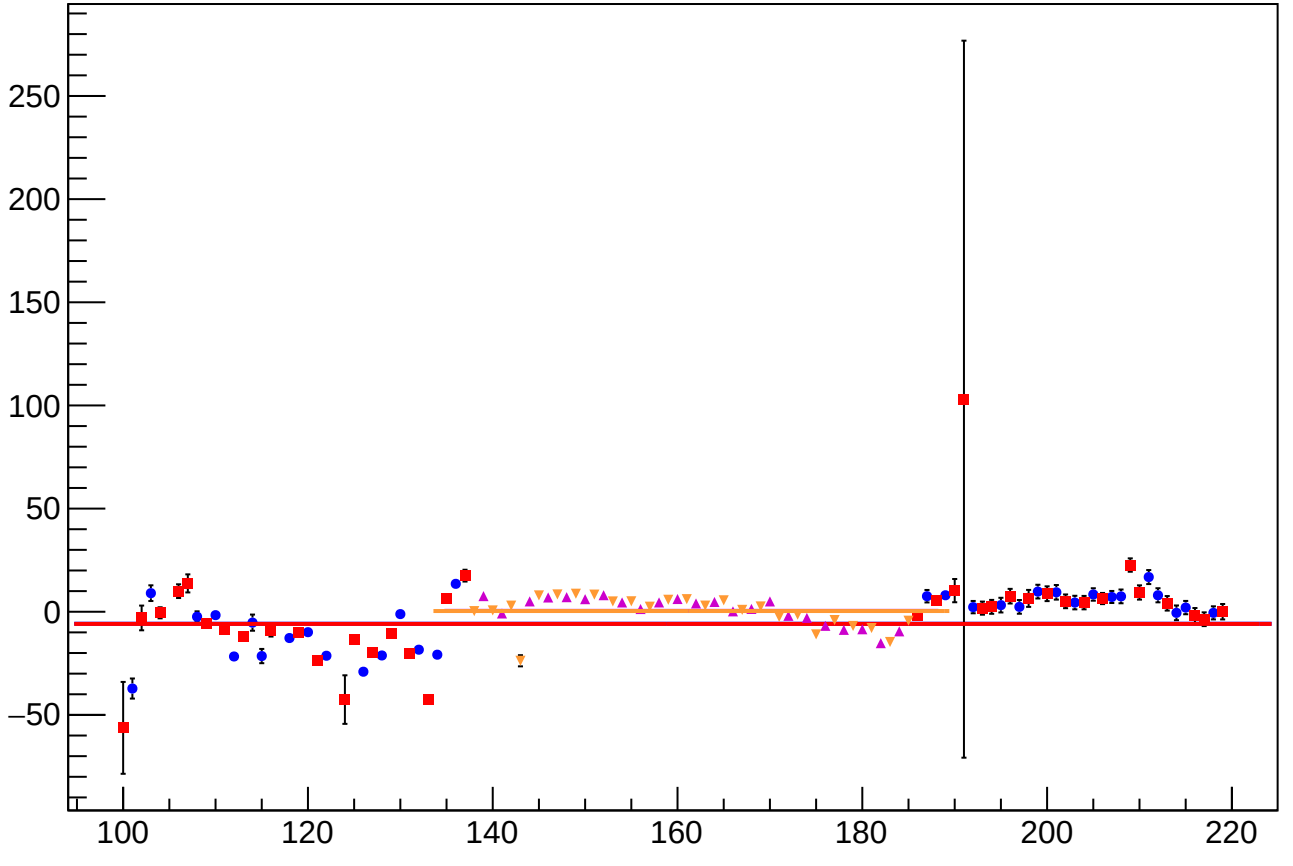
Right: -62.306+/-0.213 χ^2/NDF: 9417.1/68

In: -32.475+/-0.207 χ^2/NDF:18664.6/54

Out: -36.882+/-0.193 χ^2/NDF:26929.5/61

All: -34.830+/-0.141 χ^2/NDF: 45836.8/116

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -5.894+/-0.412 χ^2/NDF: 1054.4/36

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

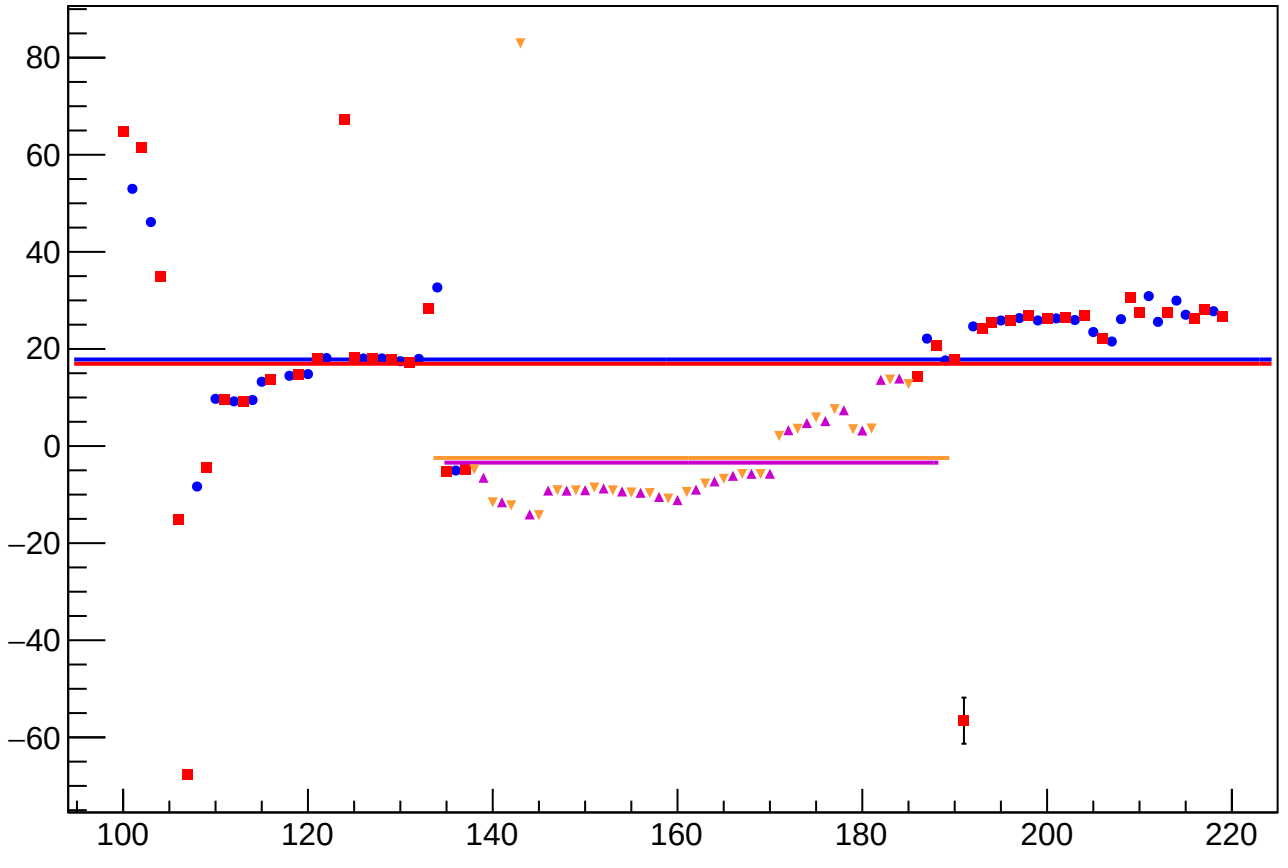
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -5.853+/-0.296 χ^2/NDF: 2067.2/68

In: -1.040+/-0.207 χ^2/NDF:1959.1/54

Out: -1.148+/-0.202 χ^2/NDF:2150.4/61

All: -1.096+/-0.144 χ^2/NDF: 4109.6/116



Right In: 17.831+/-0.022 χ^2/NDF: 458451.1/31

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 16.952+/-0.021 χ^2/NDF: 582896.6/36

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

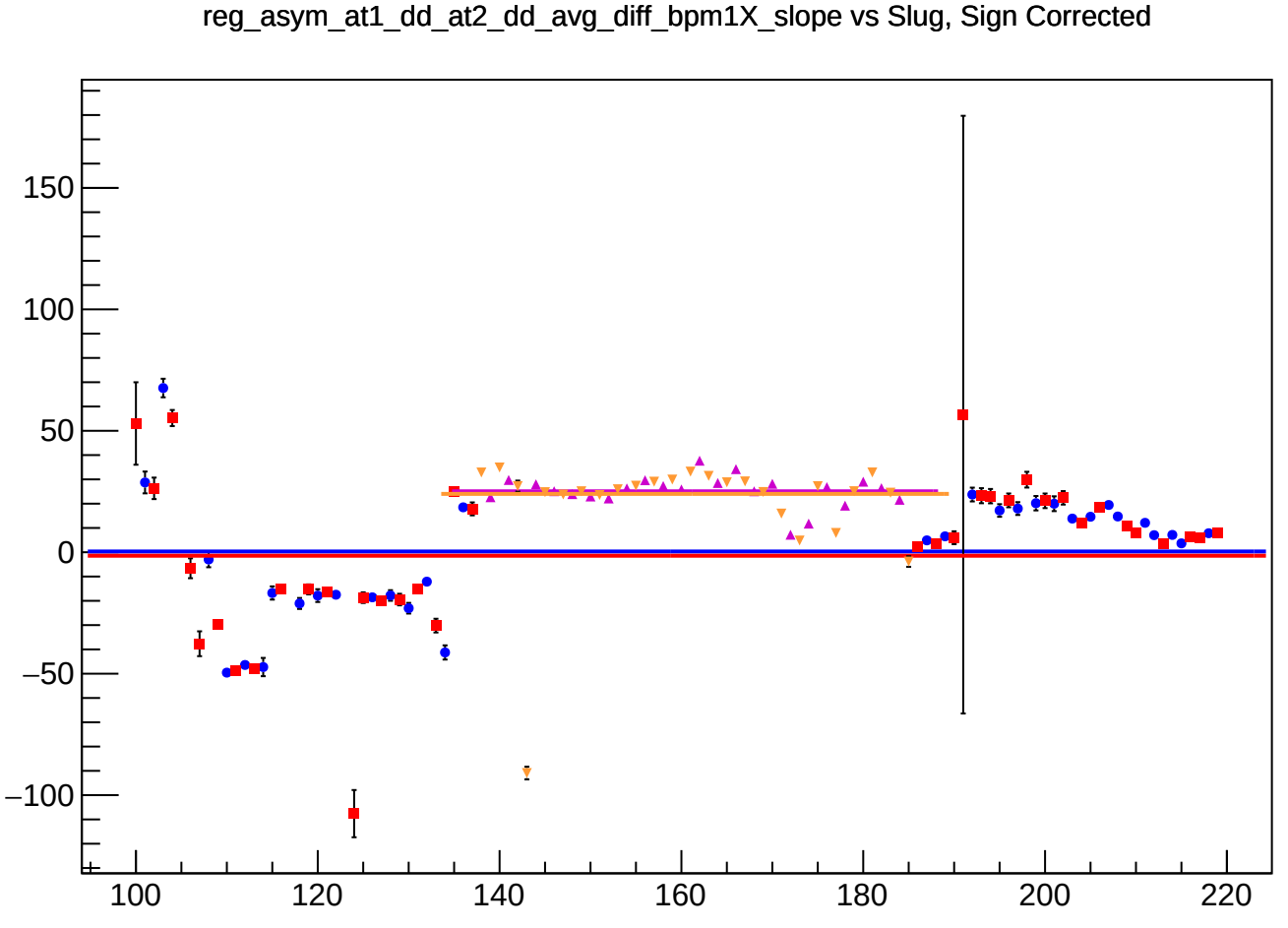
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 17.389+/-0.015 χ^2/NDF: 1042181.6/68

In: 0.613+/-0.009 χ^2/NDF:1791092.7/54

Out: 1.212+/-0.009 χ^2/NDF:2208077.6/61

All: 0.915+/-0.007 χ^2/NDF: 4001217.2/116



Right In: 0.313+/-0.347 χ^2/NDF: 3733.1/31

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -1.434+/-0.332 χ^2/NDF: 3970.4/36

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

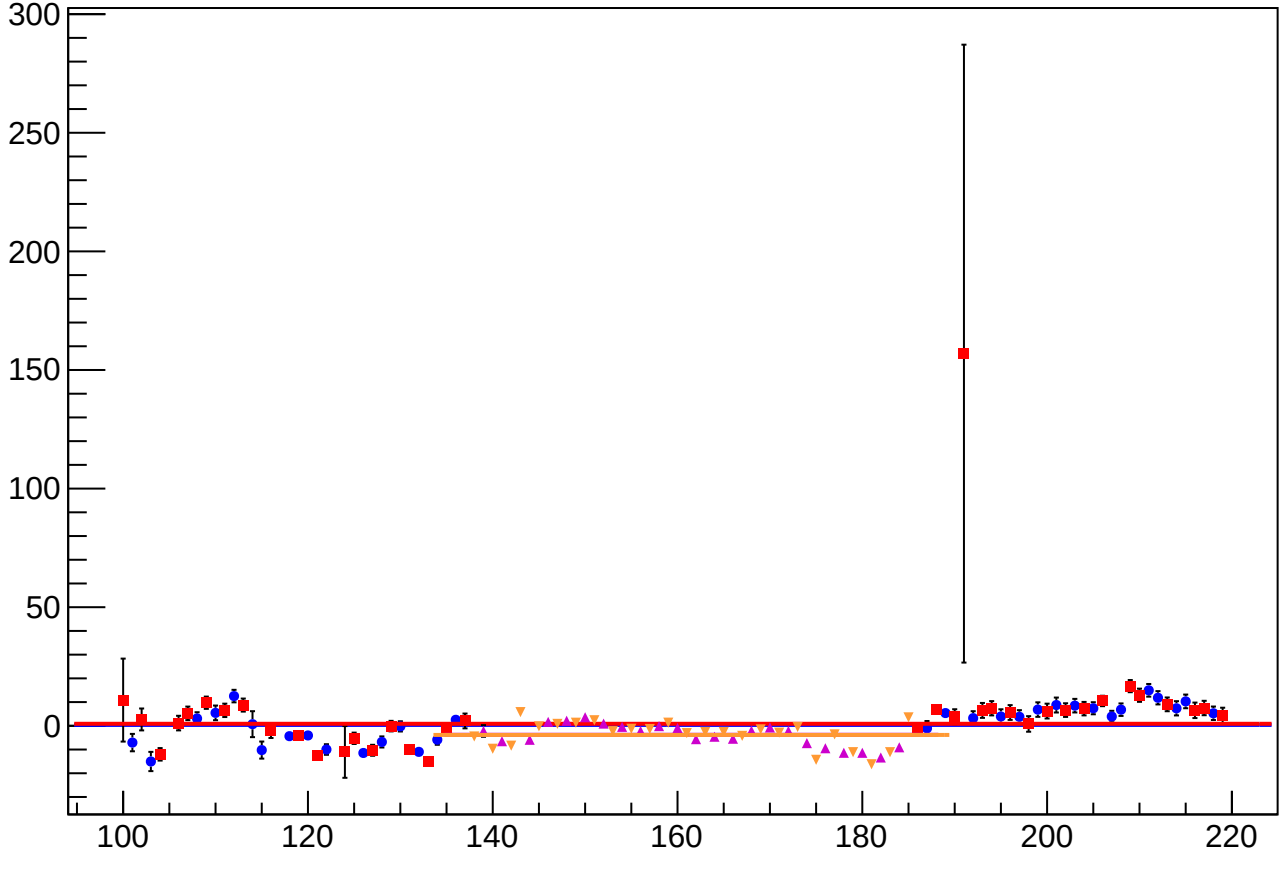
Right: -0.601+/-0.240 χ^2/NDF: 7716.7/68

In: 15.024+/-0.221 χ^2/NDF:7251.4/54

Out: 13.337+/-0.215 χ^2/NDF:10193.9/61

All: 14.155+/-0.154 χ^2/NDF: 17475.2/116

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.381+/-0.431 χ^2/NDF: 289.6/31

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: 0.852+/-0.417 χ^2/NDF: 364.6/36

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

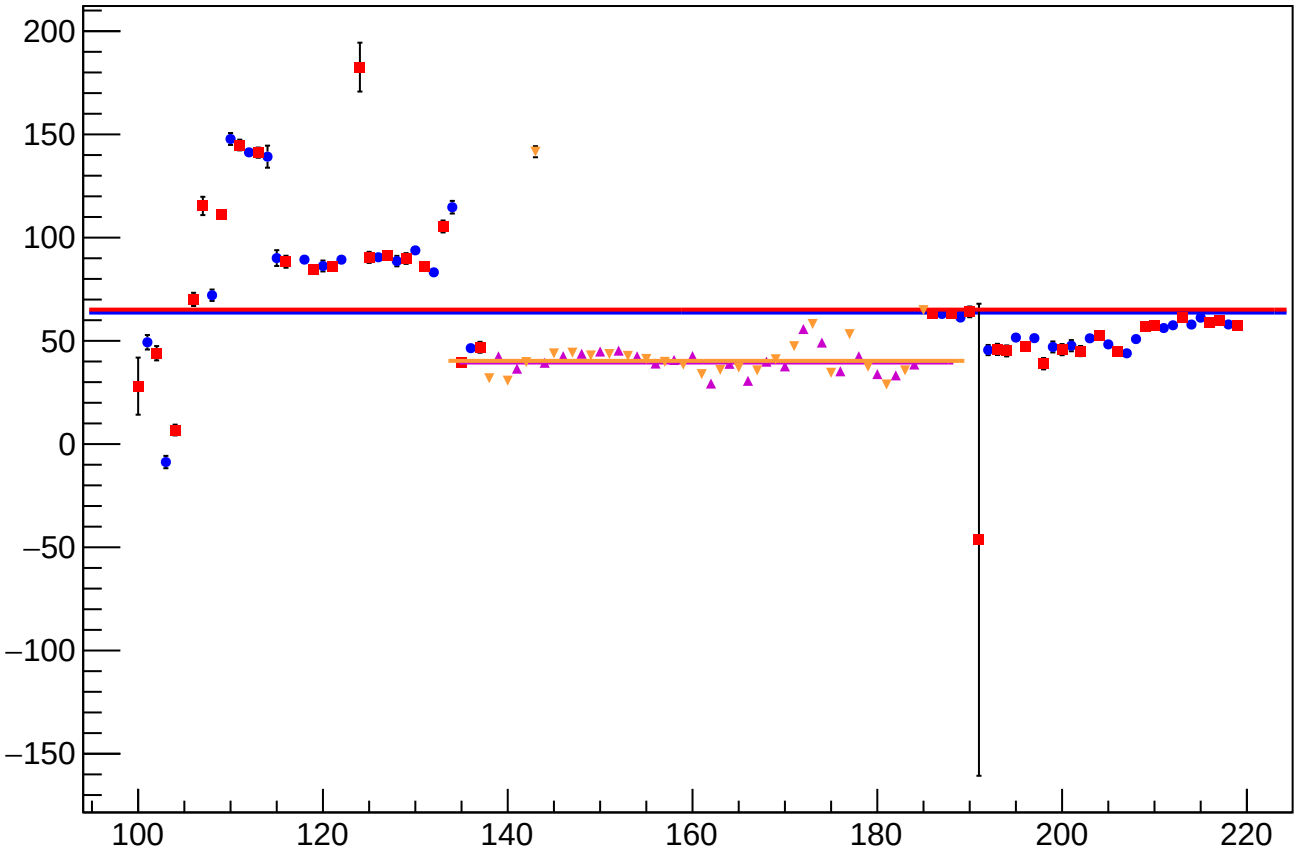
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: 0.624+/-0.300 χ^2/NDF: 654.8/68

In: -2.897+/-0.198 χ^2/NDF:872.9/54

Out: -2.837+/-0.193 χ^2/NDF:1113.8/61

All: -2.866+/-0.138 χ^2/NDF: 1986.7/116



Right In: 63.697+/-0.359 χ^2/NDF: 4688.9/31

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 65.131+/-0.335 χ^2/NDF: 4872.8/36

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

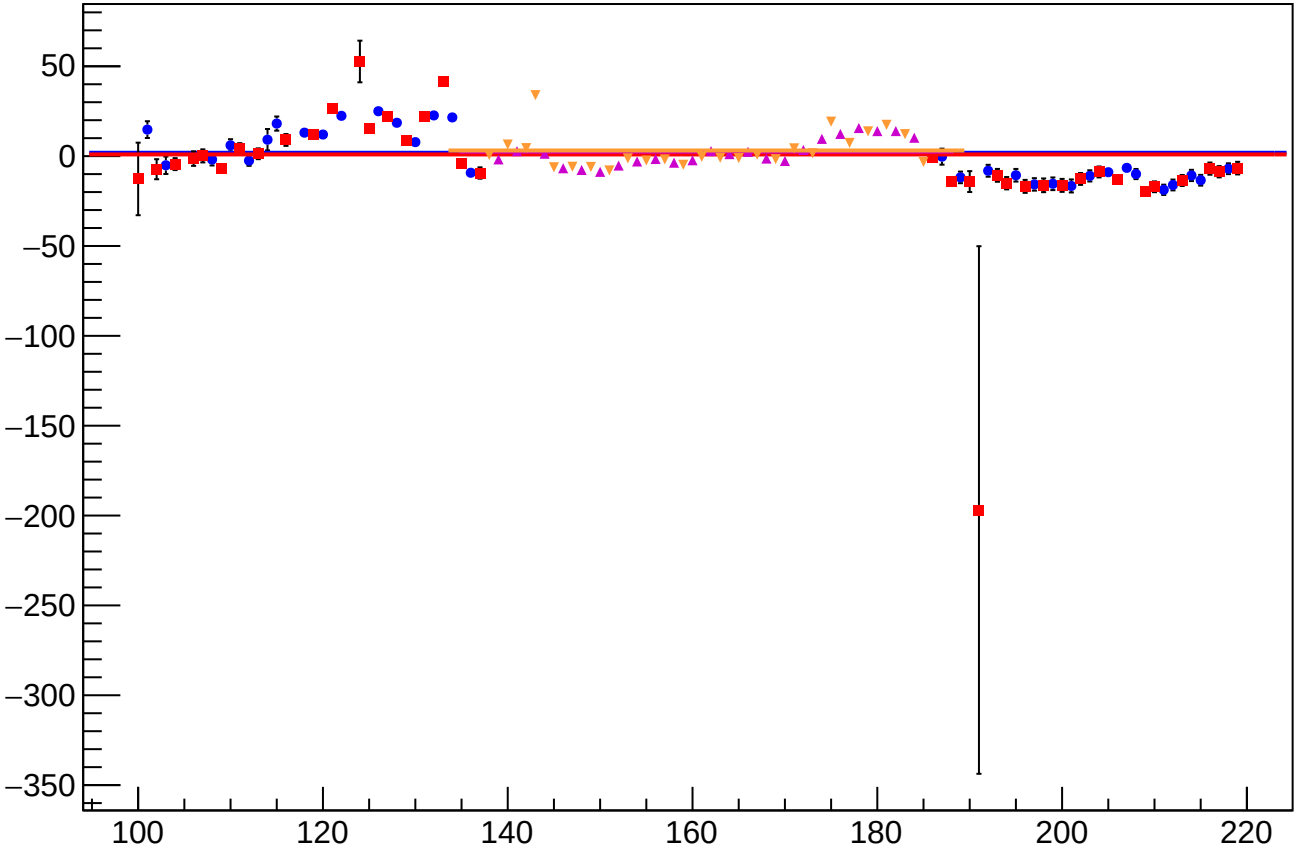
Right: 64.463+/-0.245 χ^2/NDF: 9570.2/68

In: 48.838+/-0.223 χ^2/NDF:7906.7/54

Out: 50.517+/-0.215 χ^2/NDF:10281.1/61

All: 49.709+/-0.155 χ^2/NDF: 18217.2/116

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.871+/-0.489 χ^2/NDF: 859.3/31

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 0.943+/-0.485 χ^2/NDF: 1047.0/36

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

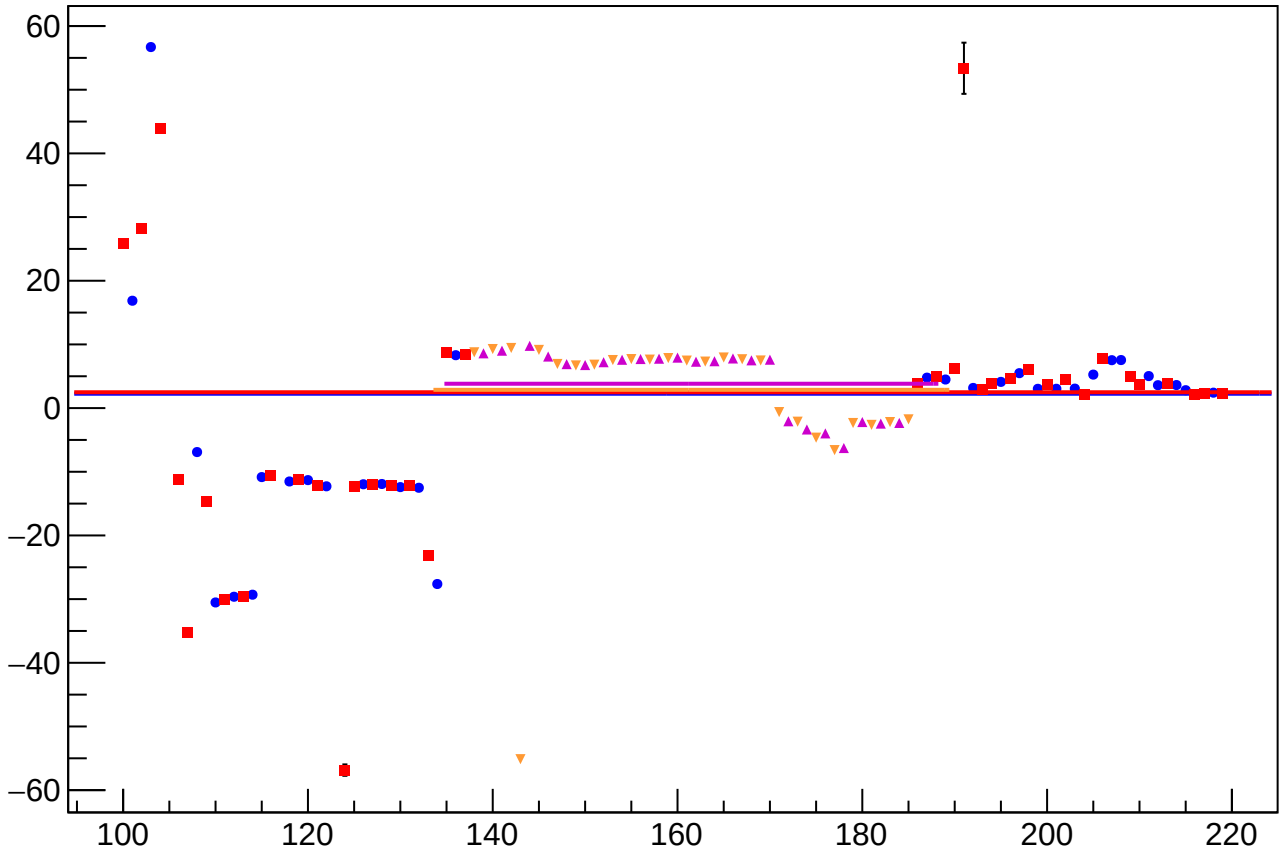
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 1.403+/-0.344 χ^2/NDF: 1908.1/68

In: 2.384+/-0.223 χ^2/NDF:1828.8/54

Out: 2.694+/-0.219 χ^2/NDF:2330.4/61

All: 2.542+/-0.156 χ^2/NDF: 4160.2/116



Right In: 2.256+/-0.023 χ^2/NDF: 383015.4/31

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.488+/-0.023 χ^2/NDF: 330763.0/36

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

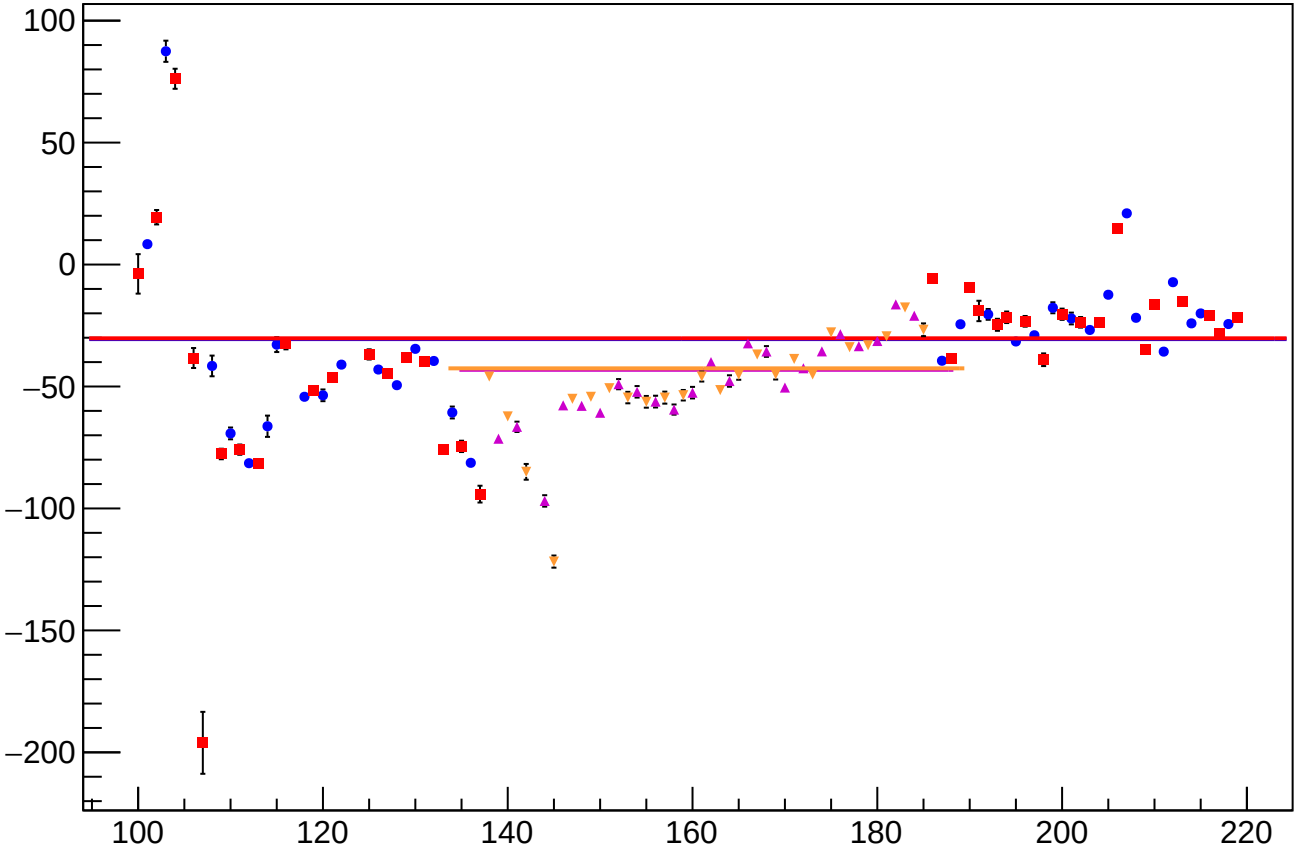
Right: 2.371+/-0.017 χ^2/NDF: 713827.7/68

In: 3.536+/-0.010 χ^2/NDF:619929.2/54

Out: 2.801+/-0.010 χ^2/NDF:843312.8/61

All: 3.165+/-0.007 χ^2/NDF: 1465947.4/116

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -30.558+/-0.318 χ^2/NDF: 5447.7/31

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -30.246+/-0.295 χ^2/NDF: 6589.8/35

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

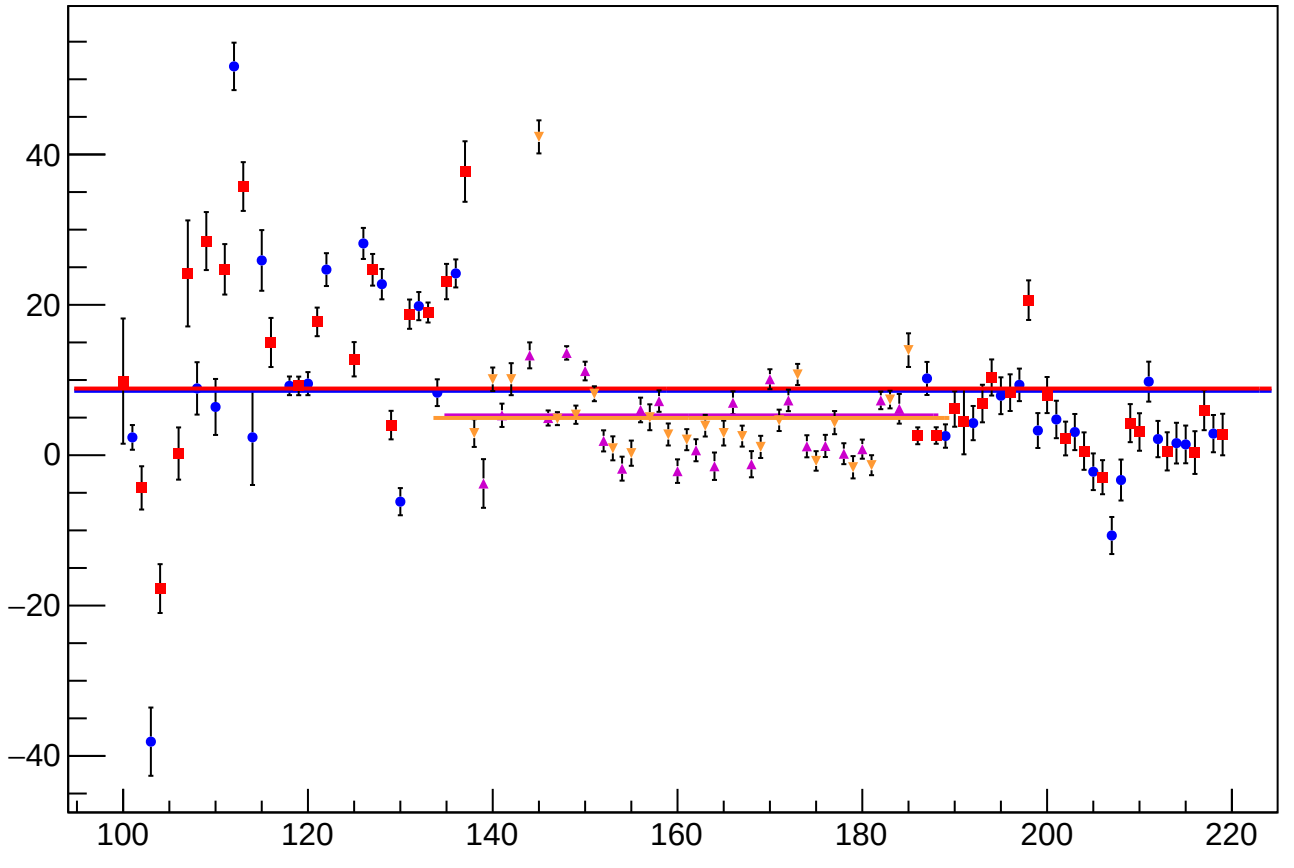
Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

Right: -30.391+/-0.217 χ^2/NDF: 12038.0/67

In: -35.730+/-0.244 χ^2/NDF:8296.4/54

Out: -34.909+/-0.233 χ^2/NDF:9574.6/59

All: -35.299+/-0.169 χ^2/NDF: 17876.9/114



Right In: 8.563+/-0.387 χ^2/NDF: 852.8/31

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 8.865+/-0.366 χ^2/NDF: 647.4/35

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

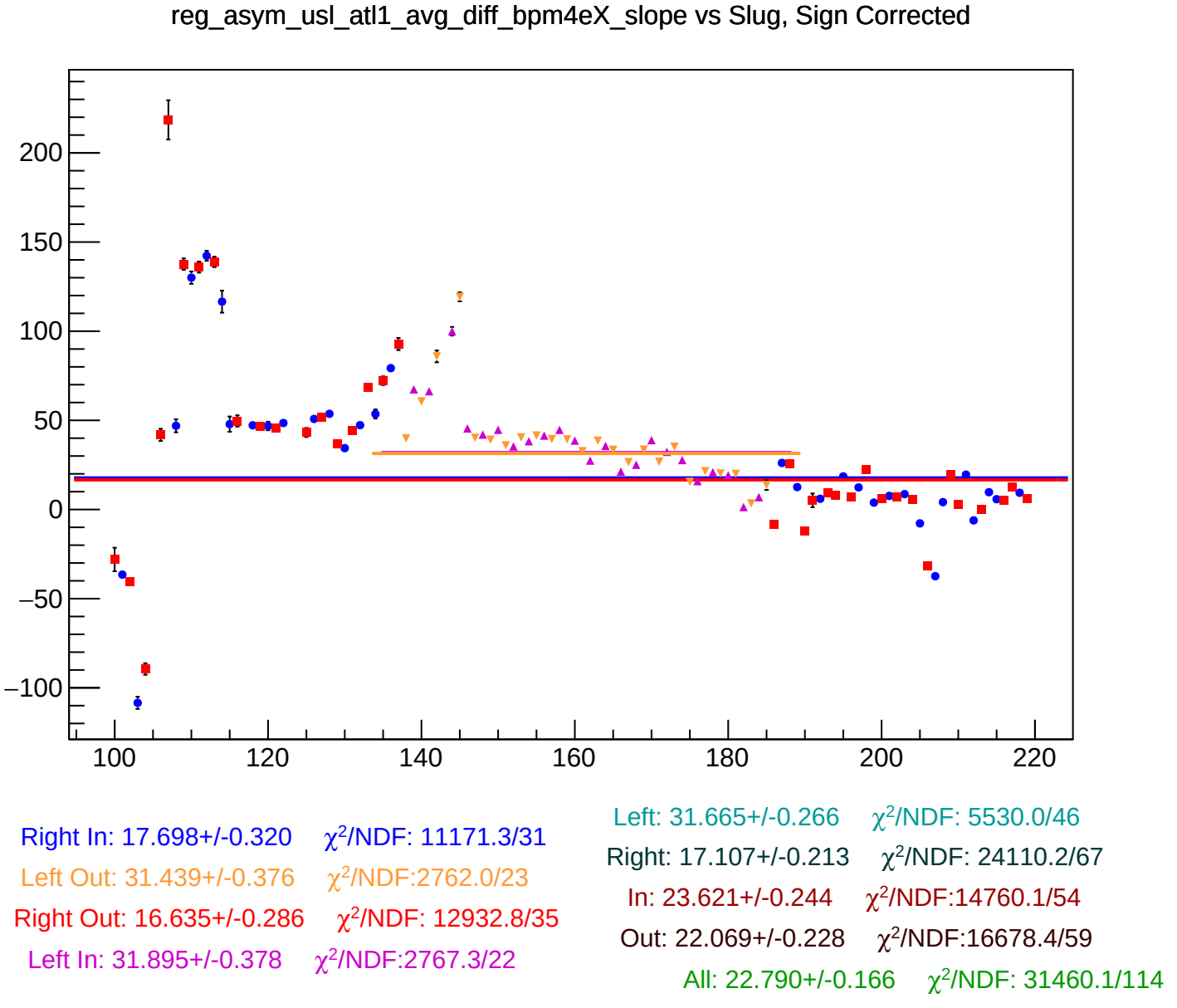
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

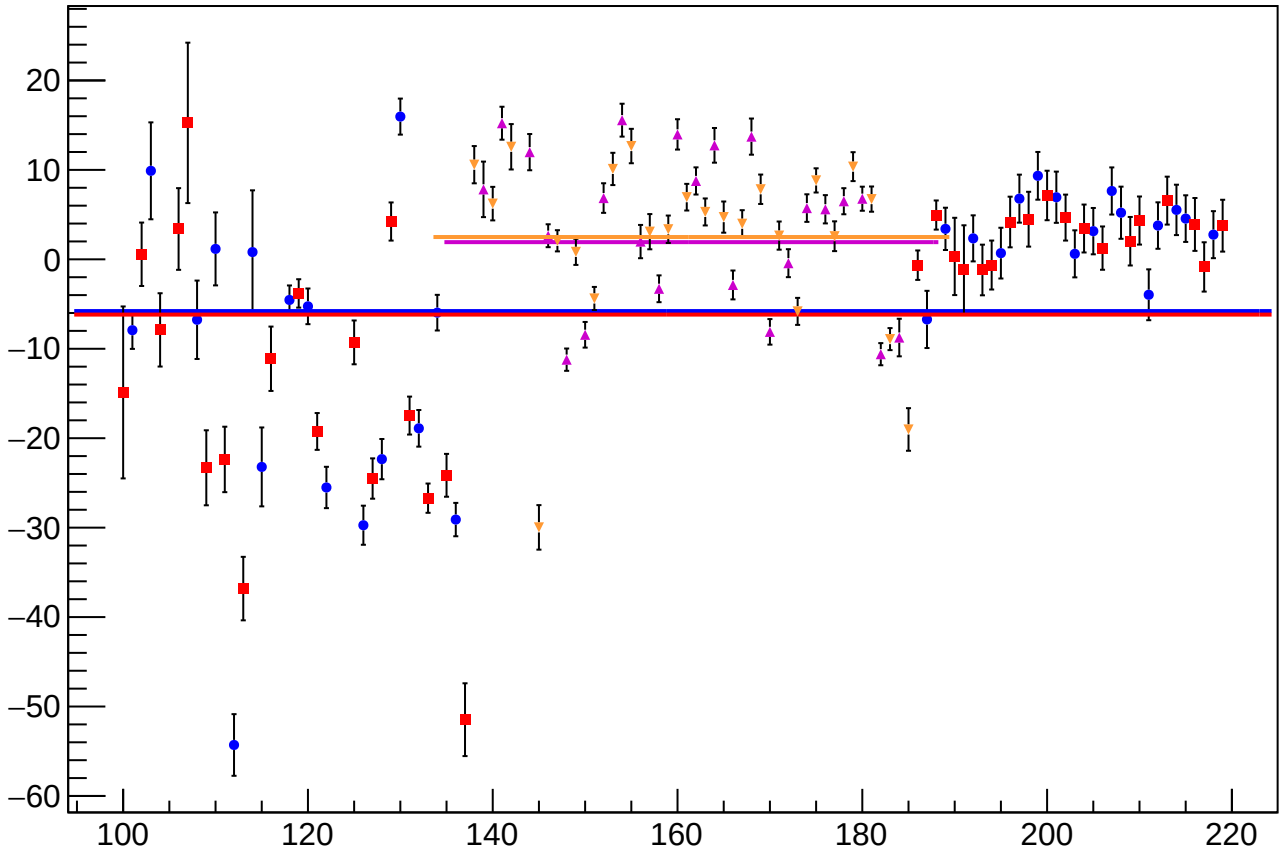
Right: 8.723+/-0.266 χ^2/NDF: 1500.5/67

In: 6.489+/-0.234 χ^2/NDF:1184.4/54

Out: 6.454+/-0.227 χ^2/NDF:1167.0/59

All: 6.471+/-0.163 χ^2/NDF: 2351.3/114


reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: 17.698+/-0.320 χ²/NDF: 11171.3/31
Left Out: 31.439+/-0.376 χ²/NDF:2762.0/23
Right Out: 16.635+/-0.286 χ²/NDF: 12932.8/35
Left In: 31.895+/-0.378 χ²/NDF:2767.3/22
Left: 31.665+/-0.266 χ²/NDF: 5530.0/46
Right: 17.107+/-0.213 χ²/NDF: 24110.2/67
In: 23.621+/-0.244 χ²/NDF:14760.1/54
Out: 22.069+/-0.228 χ²/NDF:16678.4/59
All: 22.790+/-0.166 χ²/NDF: 31460.1/114



Right In: -5.785+/-0.448 χ^2/NDF: 1006.8/31

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -6.179+/-0.437 χ^2/NDF: 858.6/35

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

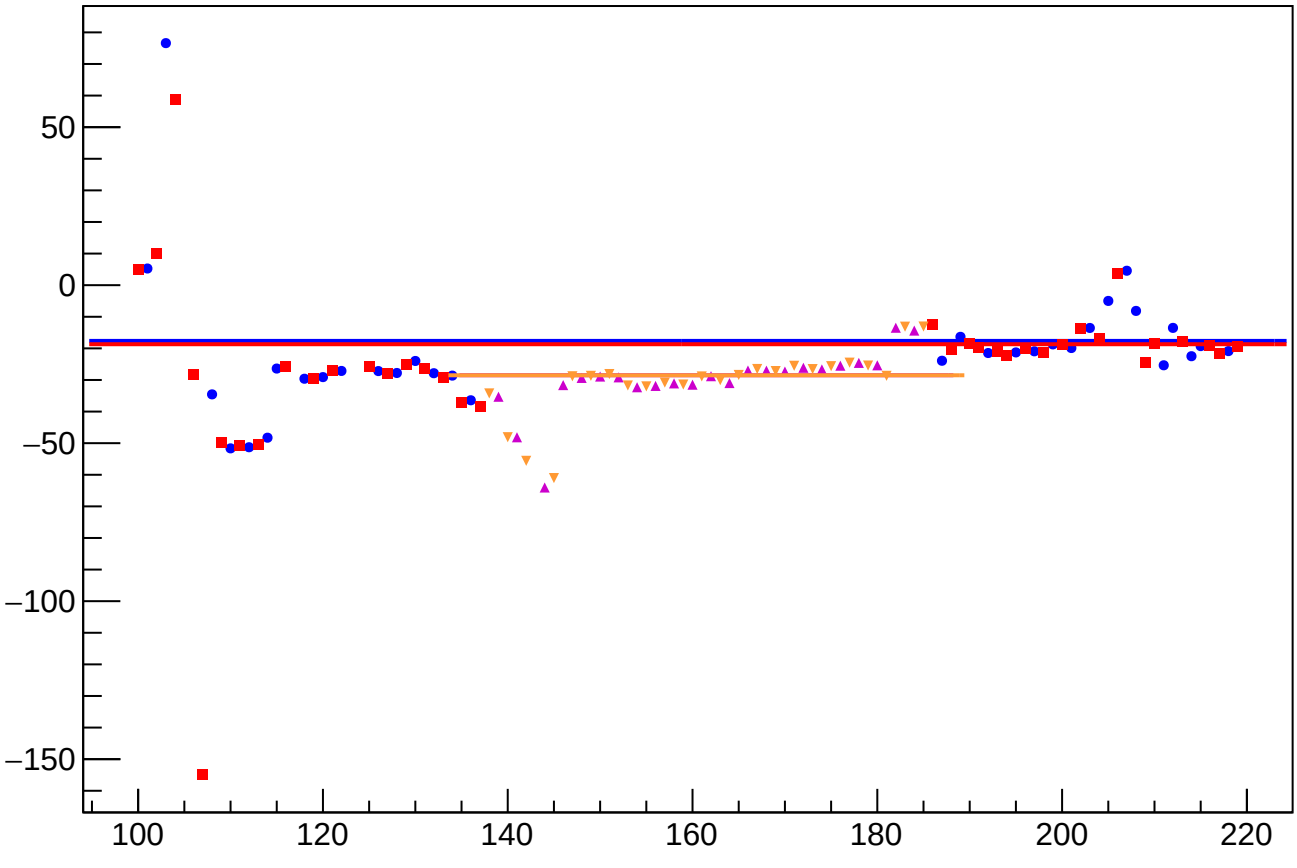
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -5.987+/-0.313 χ^2/NDF: 1865.8/67

In: -0.809+/-0.267 χ^2/NDF:1876.5/54

Out: -0.619+/-0.262 χ^2/NDF:1670.3/59

All: -0.712+/-0.187 χ^2/NDF: 3547.0/114



Right In: -17.637+/-0.021 χ^2/NDF: 732910.2/31

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -18.688+/-0.021 χ^2/NDF: 625747.0/35

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

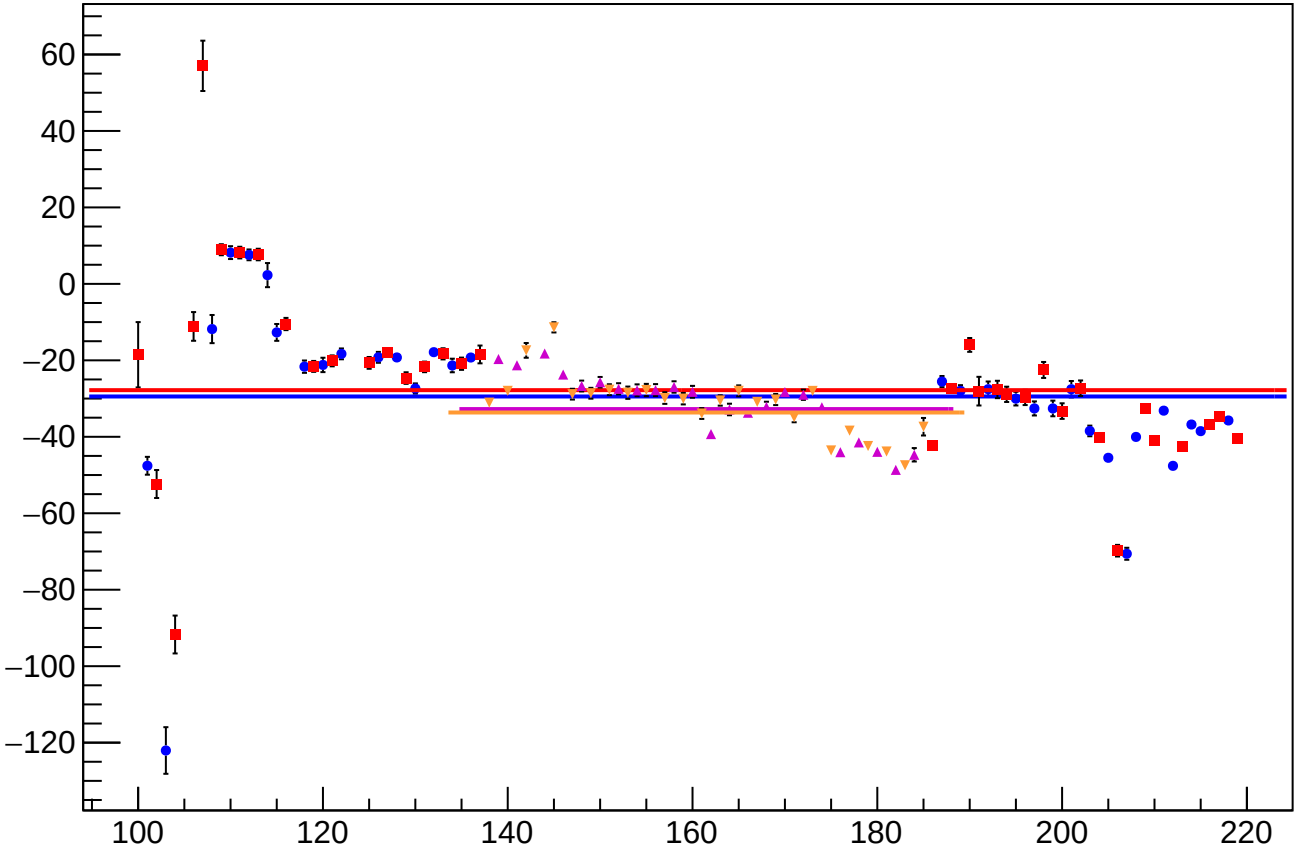
Right: -18.175+/-0.015 χ^2/NDF: 1359925.1/67

In: -24.912+/-0.012 χ^2/NDF:1198073.9/54

Out: -25.182+/-0.012 χ^2/NDF:1109650.3/59

All: -25.048+/-0.009 χ^2/NDF: 2307974.4/114

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -29.455+/-0.257 χ^2/NDF: 3514.0/31

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -27.801+/-0.250 χ^2/NDF: 4140.7/35

Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

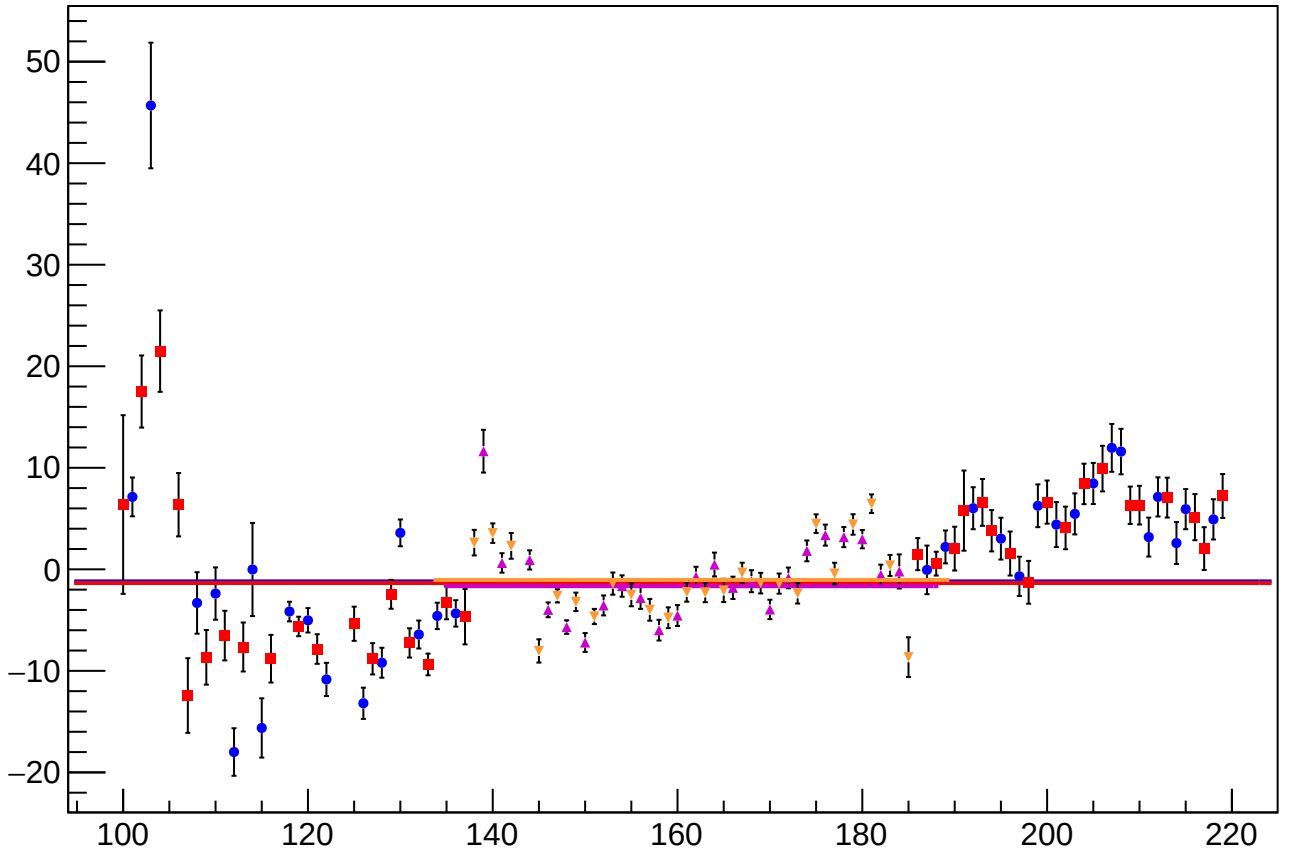
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -28.605+/-0.179 χ^2/NDF: 7676.0/67

In: -31.029+/-0.186 χ^2/NDF:4736.0/54

Out: -30.546+/-0.182 χ^2/NDF:5413.9/59

All: -30.783+/-0.130 χ^2/NDF: 10153.4/114



Right In: -1.188+/-0.315 χ^2/NDF: 524.9/31

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -1.349+/-0.311 χ^2/NDF: 430.8/35

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

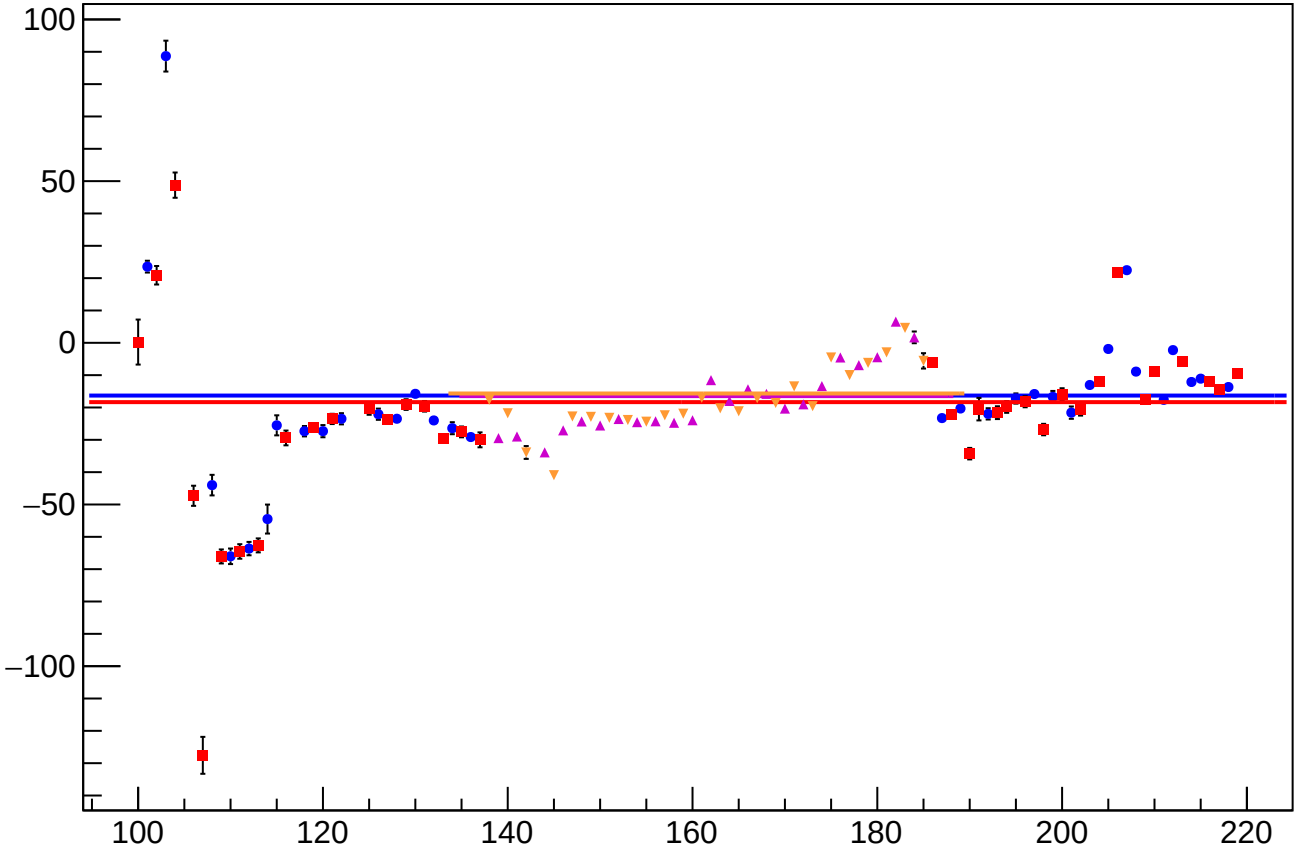
Right: -1.270+/-0.221 χ^2/NDF: 955.9/67

In: -1.517+/-0.173 χ^2/NDF:790.8/54

Out: -1.139+/-0.170 χ^2/NDF:720.9/59

All: -1.325+/-0.121 χ^2/NDF: 1514.1/114

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -16.313+/-0.267 χ^2/NDF: 3480.2/31

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -18.343+/-0.255 χ^2/NDF: 3811.5/35

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

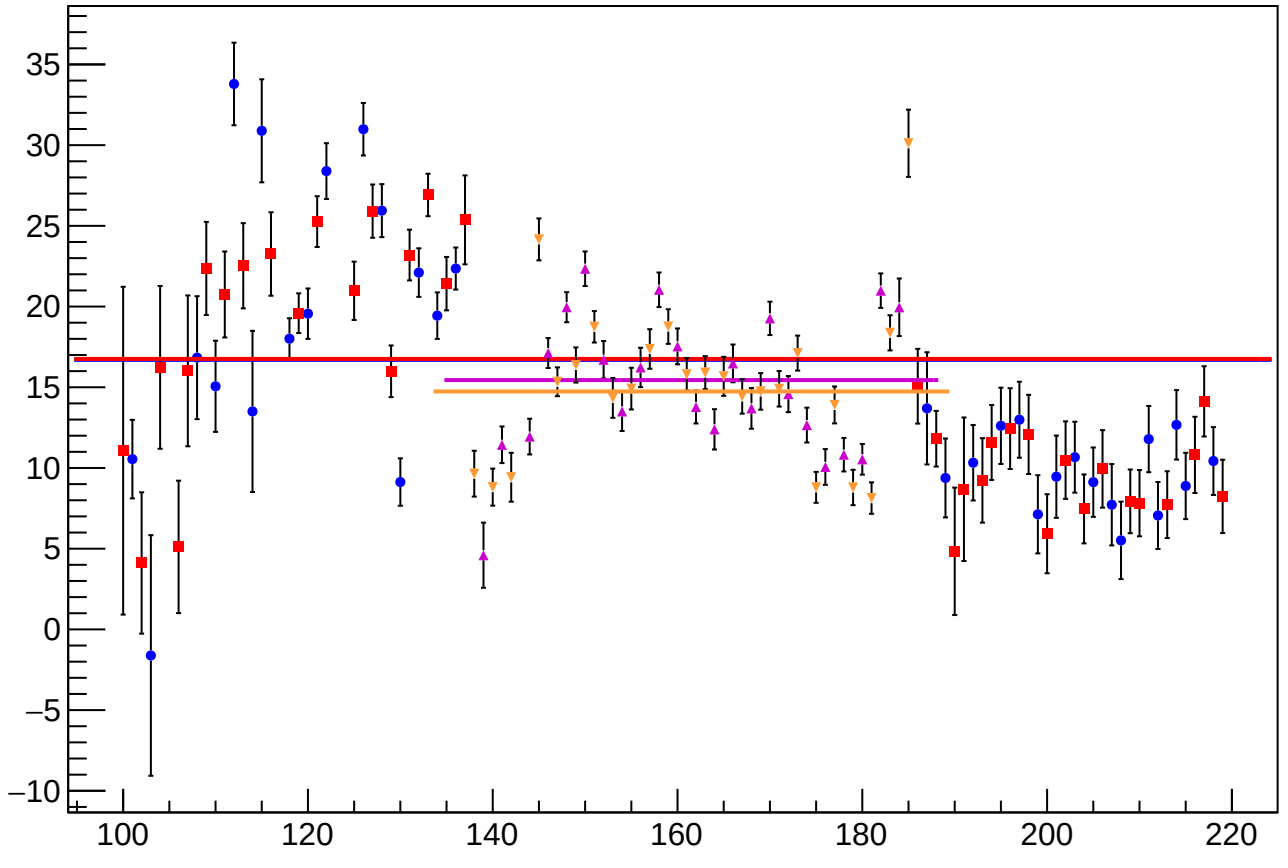
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -17.373+/-0.185 χ^2/NDF: 7321.9/67

In: -16.397+/-0.188 χ^2/NDF:5178.1/54

Out: -17.048+/-0.183 χ^2/NDF:5385.3/59

All: -16.731+/-0.131 χ^2/NDF: 10569.5/114



Right In: 16.699+/-0.358 χ^2/NDF: 453.4/31

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 16.755+/-0.360 χ^2/NDF: 373.2/35

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

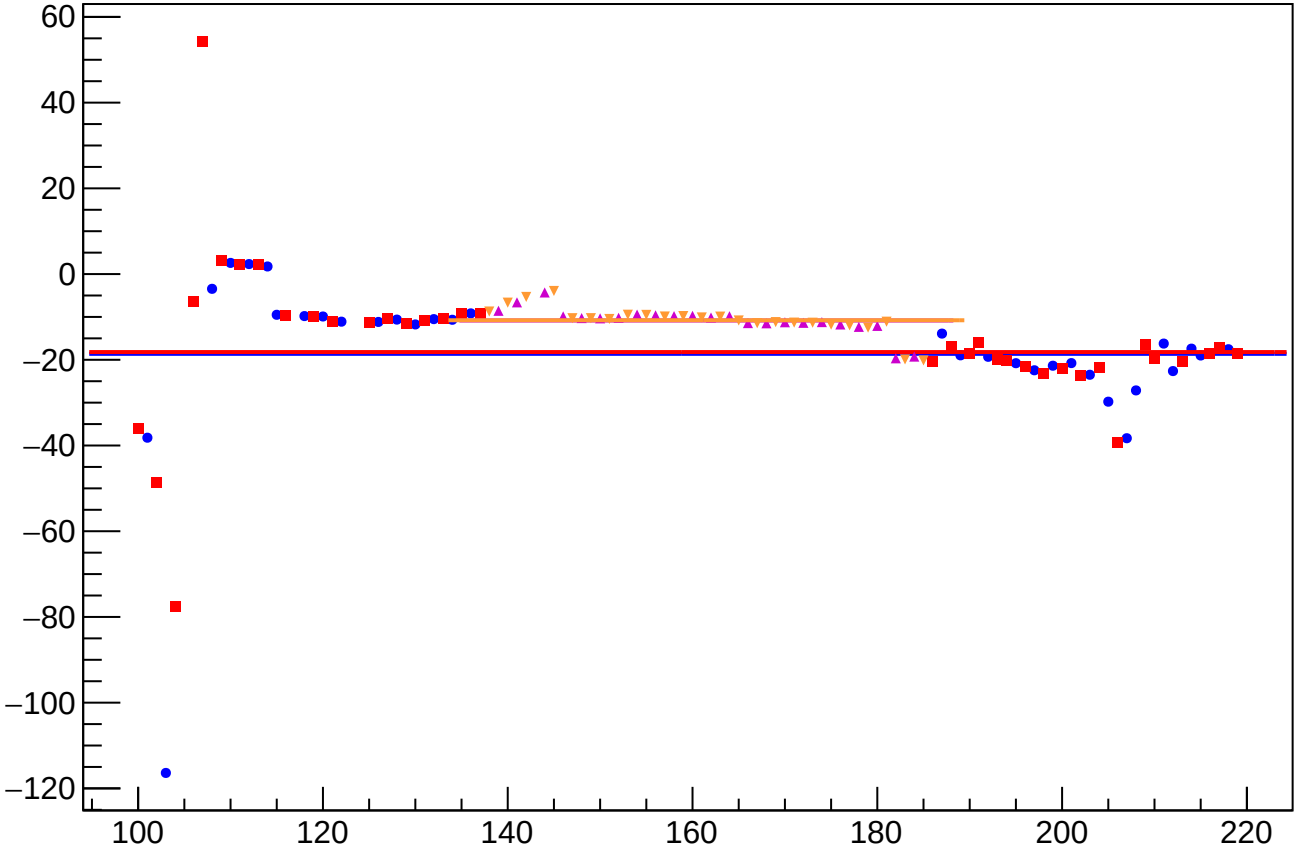
Right: 16.727+/-0.254 χ^2/NDF: 826.6/67

In: 15.817+/-0.195 χ^2/NDF:752.4/54

Out: 15.322+/-0.193 χ^2/NDF:726.4/59

All: 15.567+/-0.137 χ^2/NDF: 1482.1/114

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -18.610+/-0.018 χ^2/NDF: 456403.5/31

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -18.196+/-0.018 χ^2/NDF: 433337.5/35

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

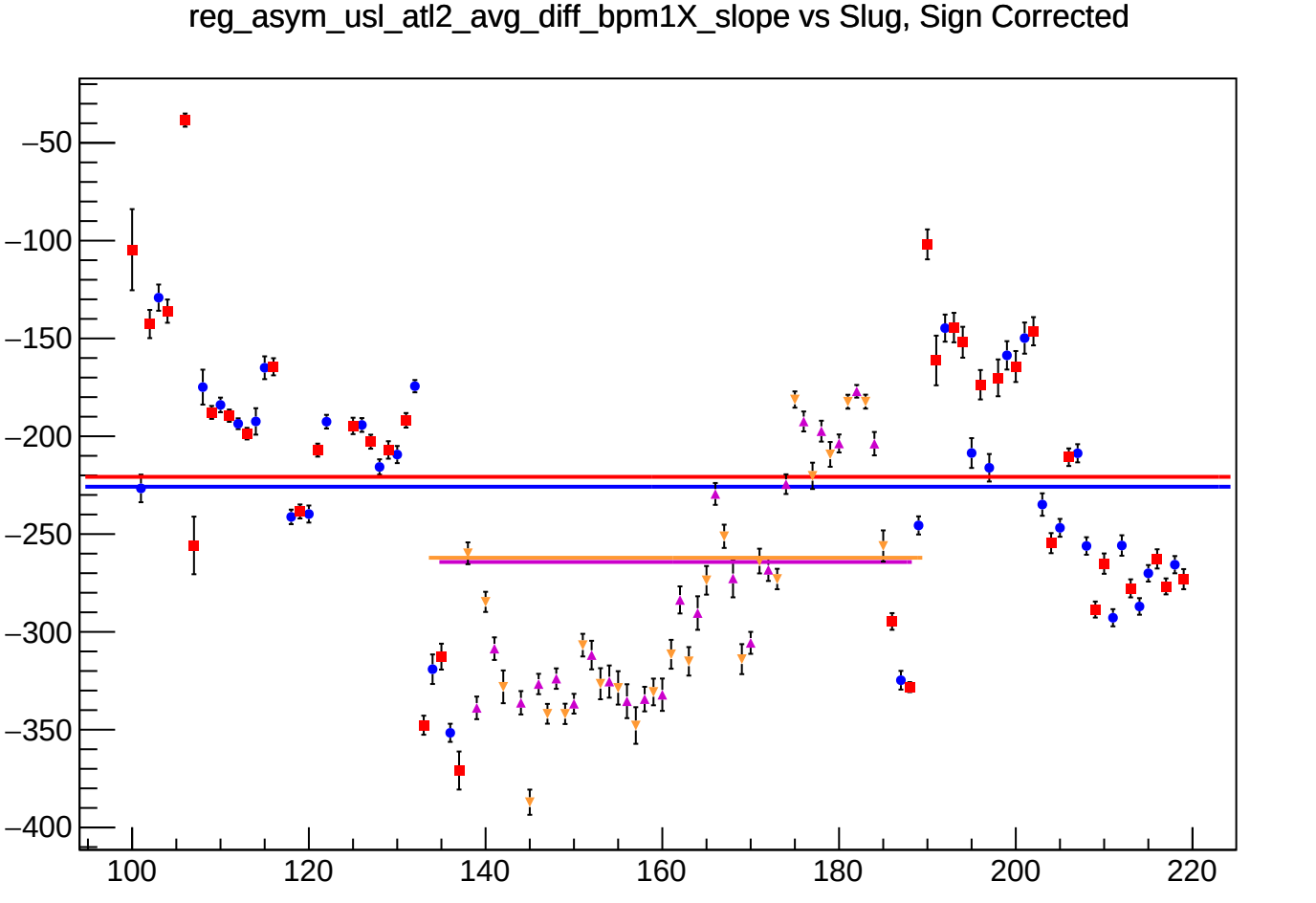
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -18.403+/-0.012 χ^2/NDF: 890016.1/67

In: -12.813+/-0.009 χ^2/NDF:675211.4/54

Out: -12.663+/-0.009 χ^2/NDF:650258.5/59

All: -12.738+/-0.006 χ^2/NDF: 1325612.8/114



Right In: -225.800+/-0.819 χ^2/NDF: 3529.0/31

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -220.748+/-0.766 χ^2/NDF: 8652.7/35

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

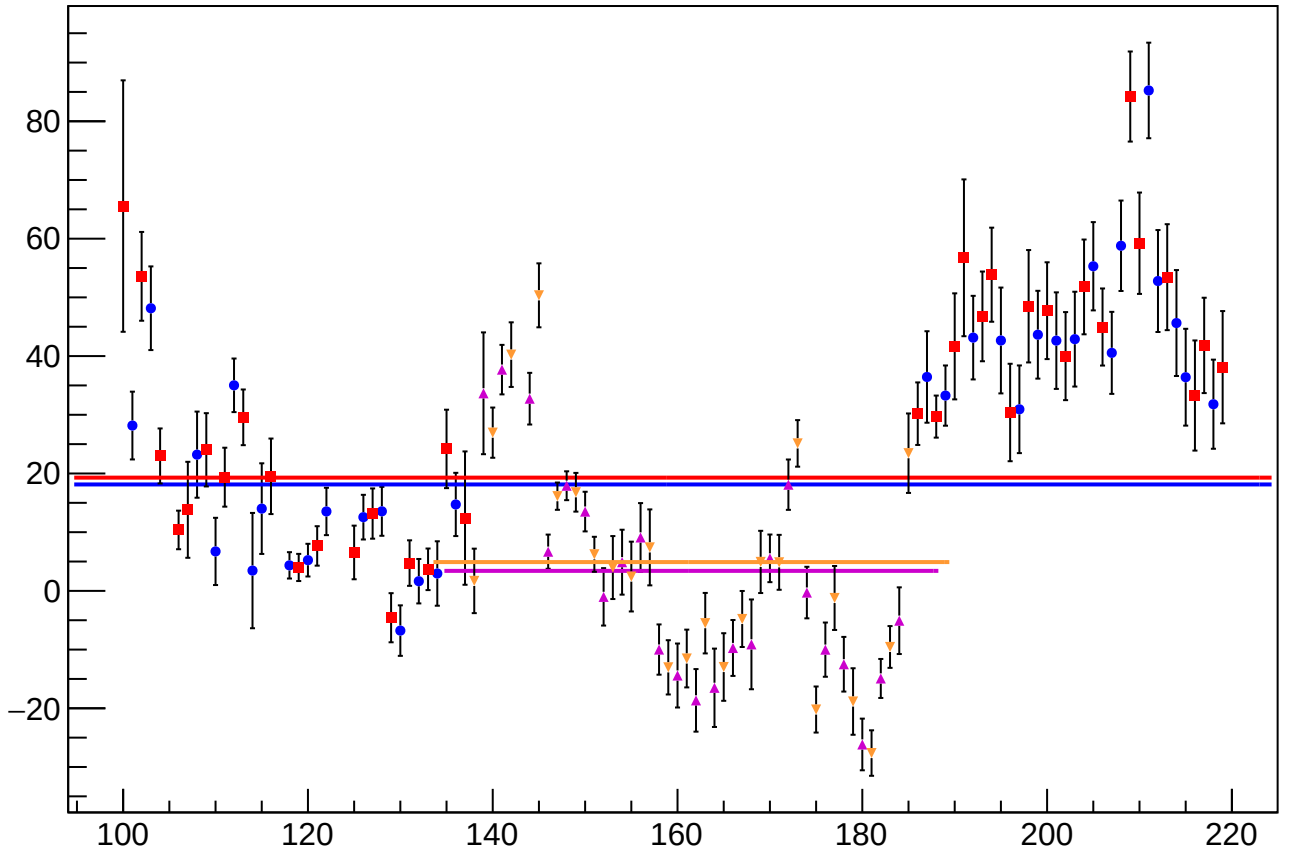
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -223.105+/-0.560 χ^2/NDF: 12202.0/67

In: -238.236+/-0.674 χ^2/NDF:6983.4/54

Out: -233.030+/-0.643 χ^2/NDF:12482.1/59

All: -235.509+/-0.465 χ^2/NDF: 19496.8/114



Right In: 18.131+/-0.928 χ^2/NDF: 396.5/31

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 19.293+/-0.891 χ^2/NDF: 412.8/35

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

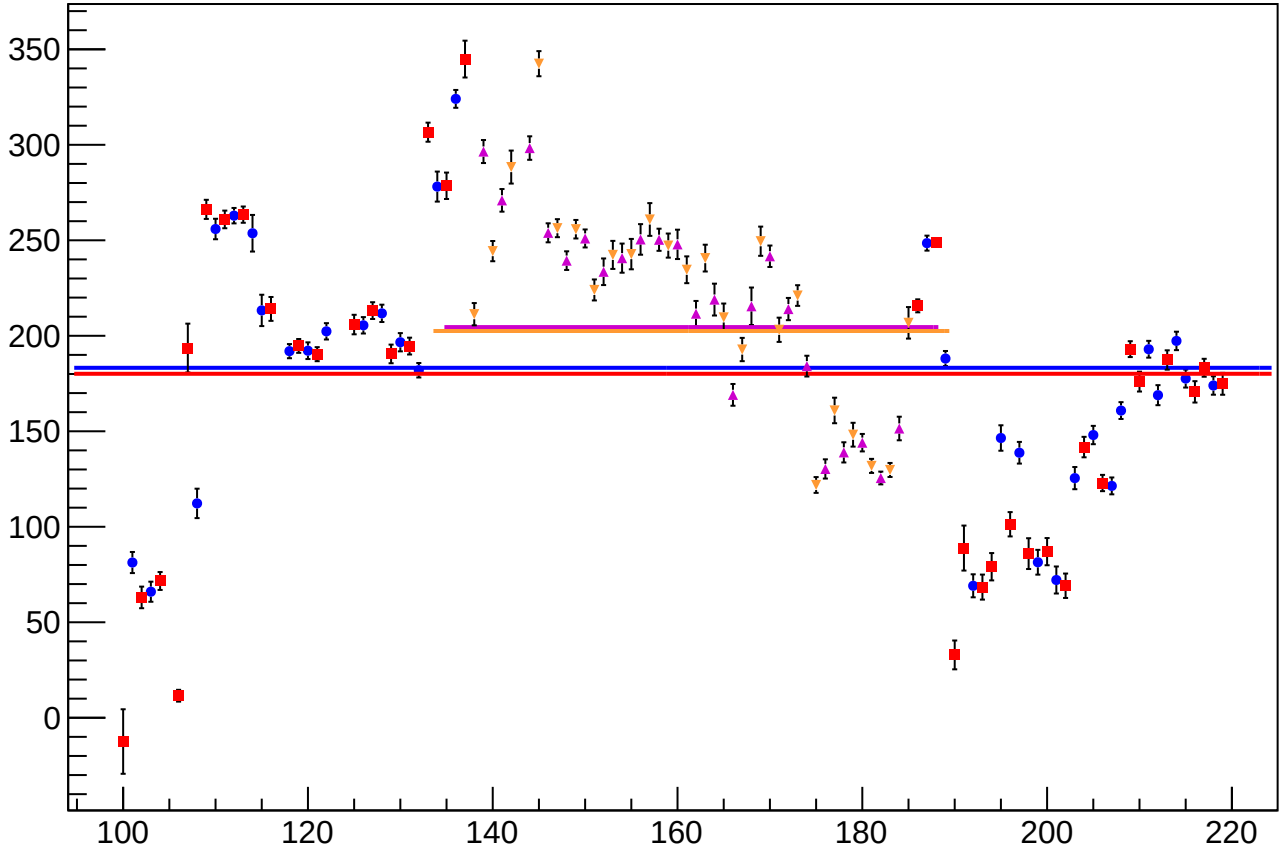
Right: 18.736+/-0.643 χ^2/NDF: 810.0/67

In: 10.550+/-0.646 χ^2/NDF:859.4/54

Out: 12.060+/-0.629 χ^2/NDF:942.7/59

All: 11.326+/-0.451 χ^2/NDF: 1804.8/114

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 183.240+/-0.872 χ^2/NDF: 4343.2/31

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 180.107+/-0.798 χ^2/NDF: 9504.3/35

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

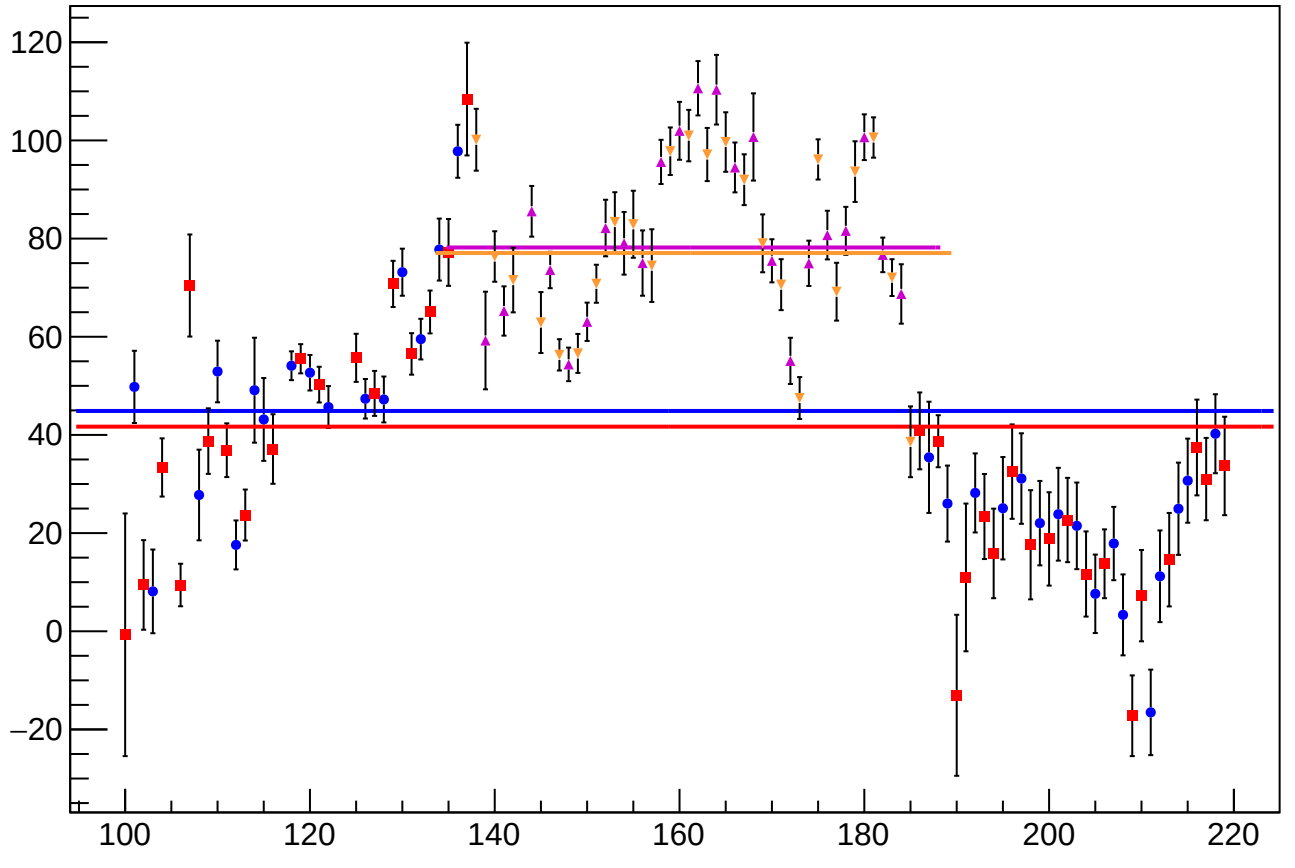
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 181.535+/-0.589 χ^2/NDF: 13854.6/67

In: 190.797+/-0.701 χ^2/NDF:6840.6/54

Out: 187.198+/-0.660 χ^2/NDF:12147.3/59

All: 188.889+/-0.480 χ^2/NDF: 19001.9/114



Right In: 44.884+/-1.078 χ^2/NDF: 406.3/31

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 41.685+/-1.047 χ^2/NDF: 419.4/35

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

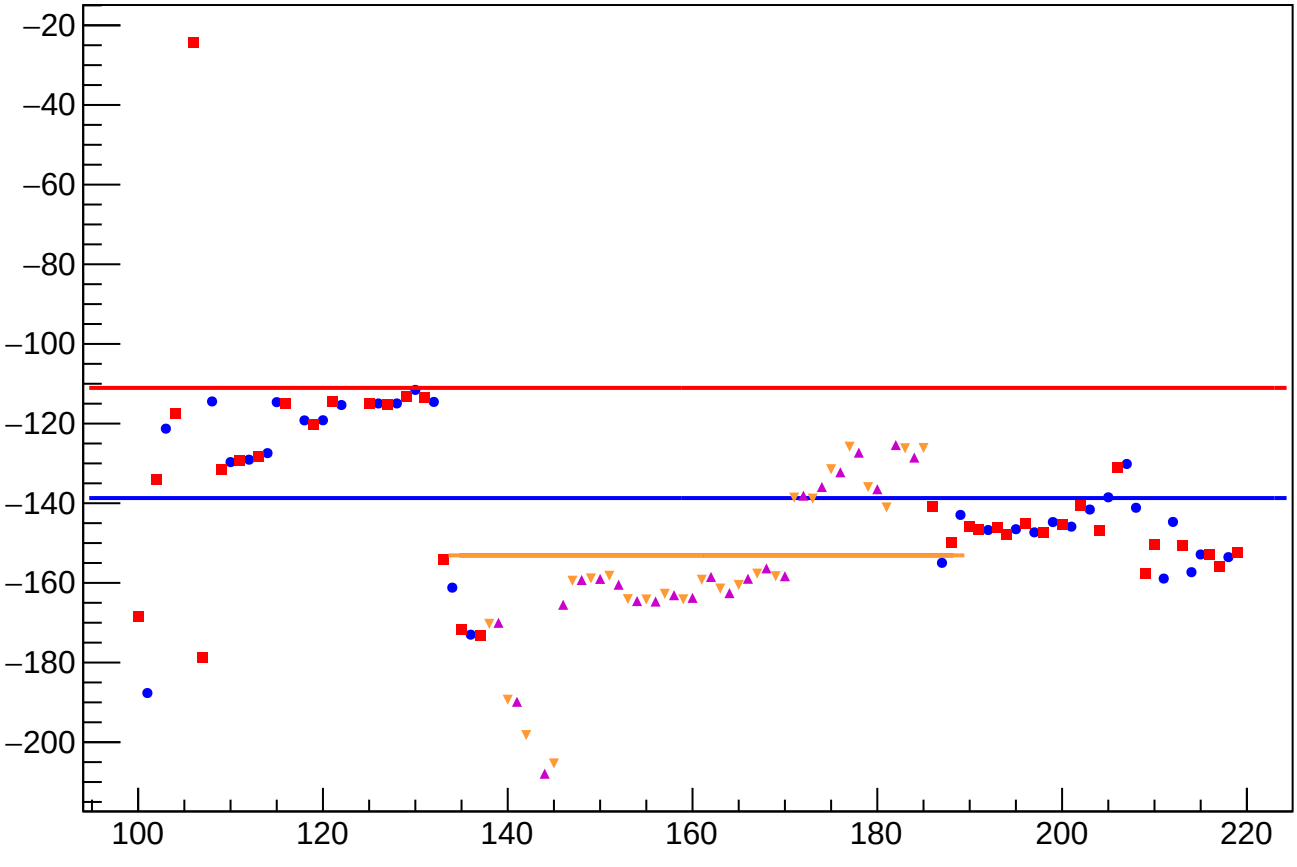
Right: 43.238+/-0.751 χ^2/NDF: 830.2/67

In: 62.366+/-0.743 χ^2/NDF:1139.9/54

Out: 59.913+/-0.729 χ^2/NDF:1319.2/59

All: 61.116+/-0.520 χ^2/NDF: 2464.6/114

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -138.700+/-0.058 χ^2/NDF: 110337.7/31

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -111.038+/-0.050 χ^2/NDF: 1037806.6/35

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

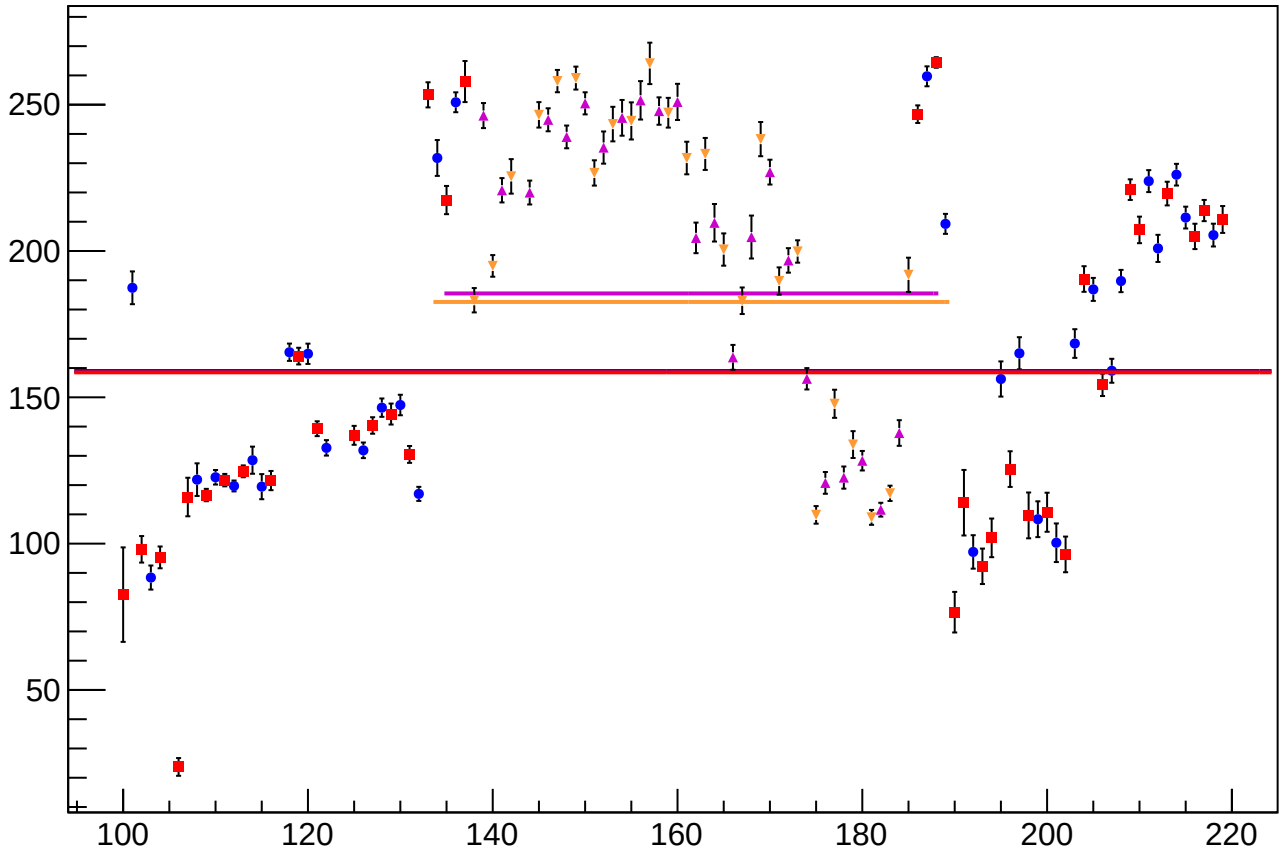
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -122.799+/-0.038 χ^2/NDF: 1277143.4/67

In: -147.494+/-0.036 χ^2/NDF:314129.1/54

Out: -133.492+/-0.034 χ^2/NDF:1589752.3/59

All: -140.066+/-0.025 χ^2/NDF: 1982205.8/11



Right In: 158.976+/-0.632 χ^2/NDF: 5086.7/31

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 158.539+/-0.584 χ^2/NDF: 10749.8/35

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

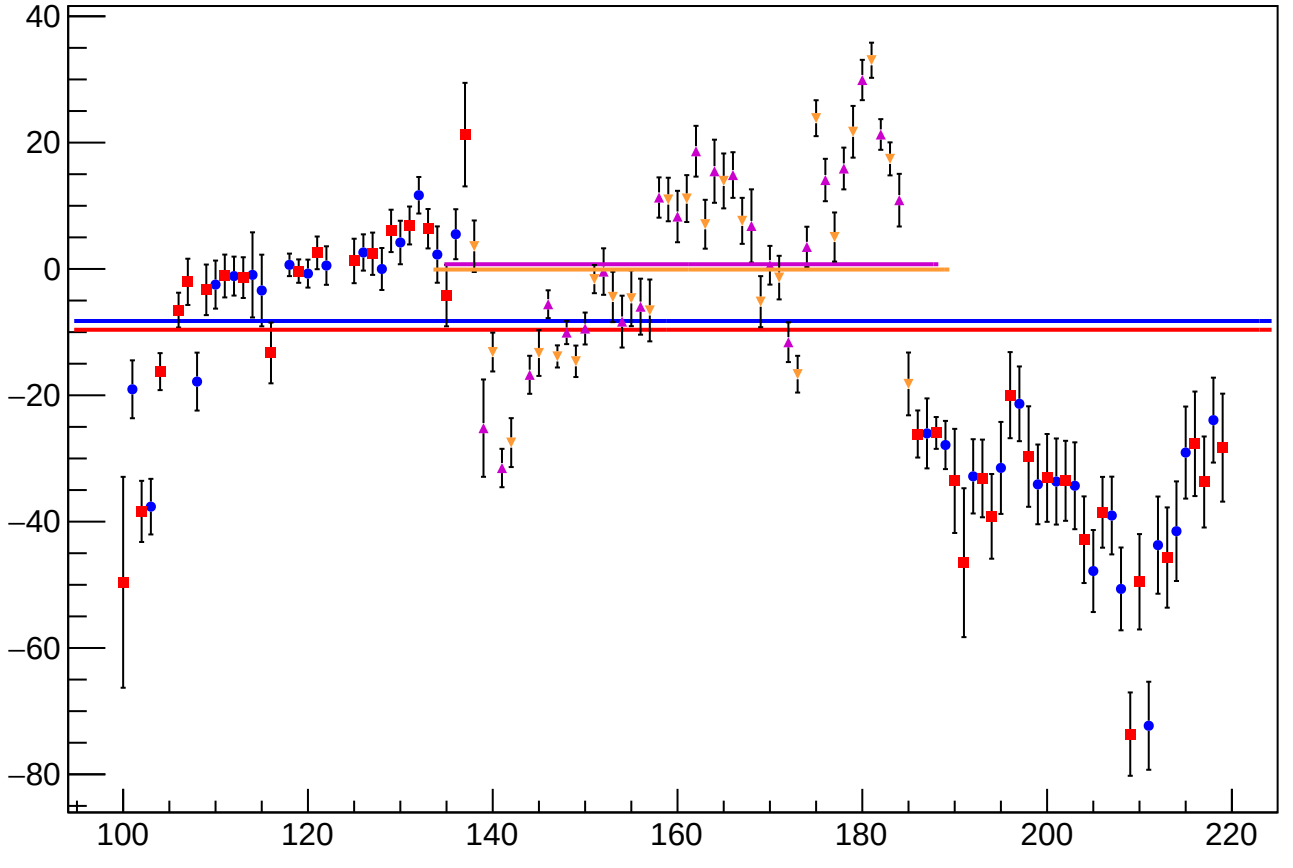
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 158.741+/-0.429 χ^2/NDF: 15836.7/67

In: 168.111+/-0.512 χ^2/NDF:9514.8/54

Out: 166.063+/-0.484 χ^2/NDF:15432.2/59

All: 167.030+/-0.352 χ^2/NDF: 24955.4/114



Right In: -8.238+/-0.717 χ^2/NDF: 562.9/31

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -9.626+/-0.679 χ^2/NDF: 592.9/35

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

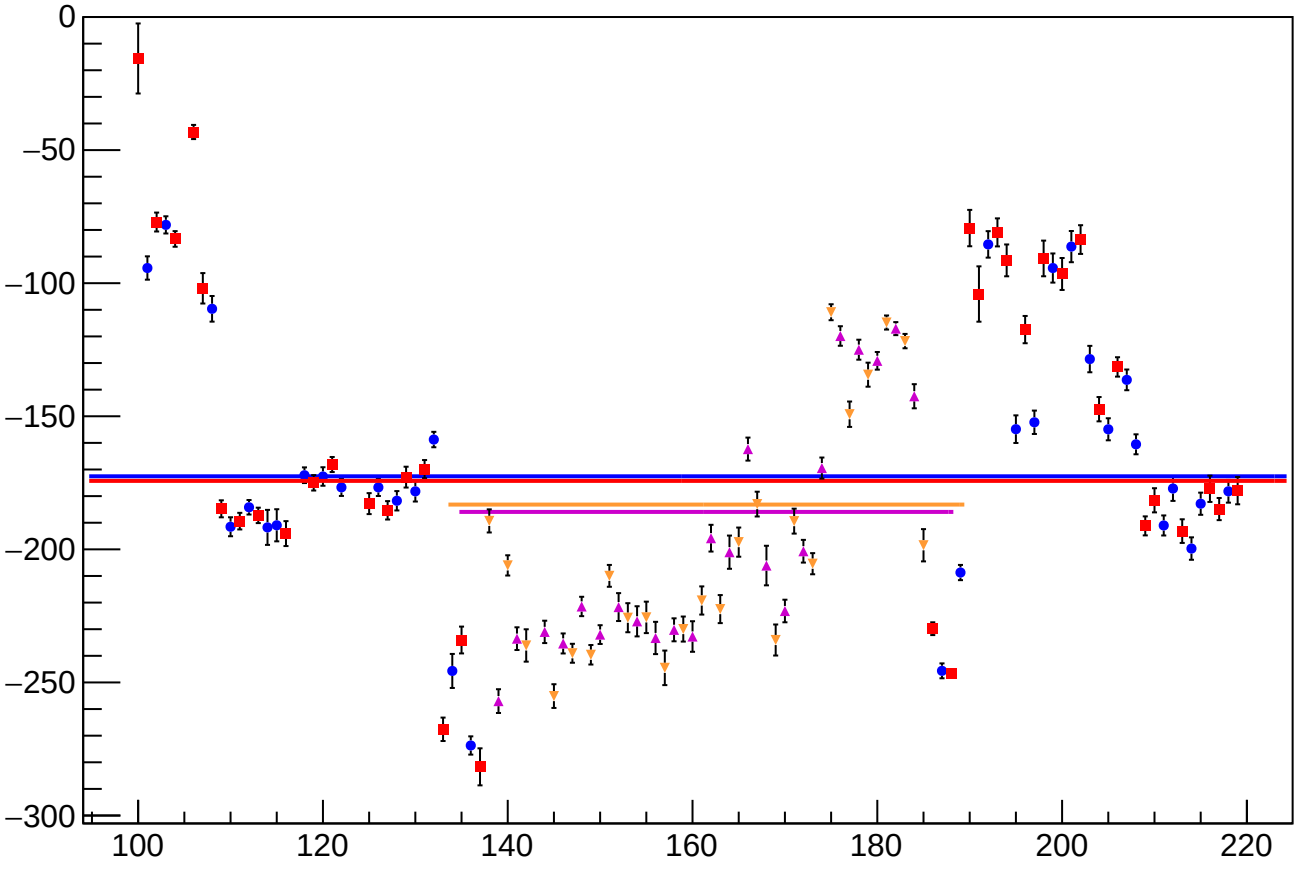
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -8.970+/-0.493 χ^2/NDF: 1157.8/67

In: -3.409+/-0.488 χ^2/NDF:1145.1/54

Out: -4.685+/-0.471 χ^2/NDF:1250.3/59

All: -4.069+/-0.339 χ^2/NDF: 2398.9/114



Right In: -172.556+/-0.677 χ^2/NDF: 4315.6/31

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -174.276+/-0.609 χ^2/NDF: 10051.1/35

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

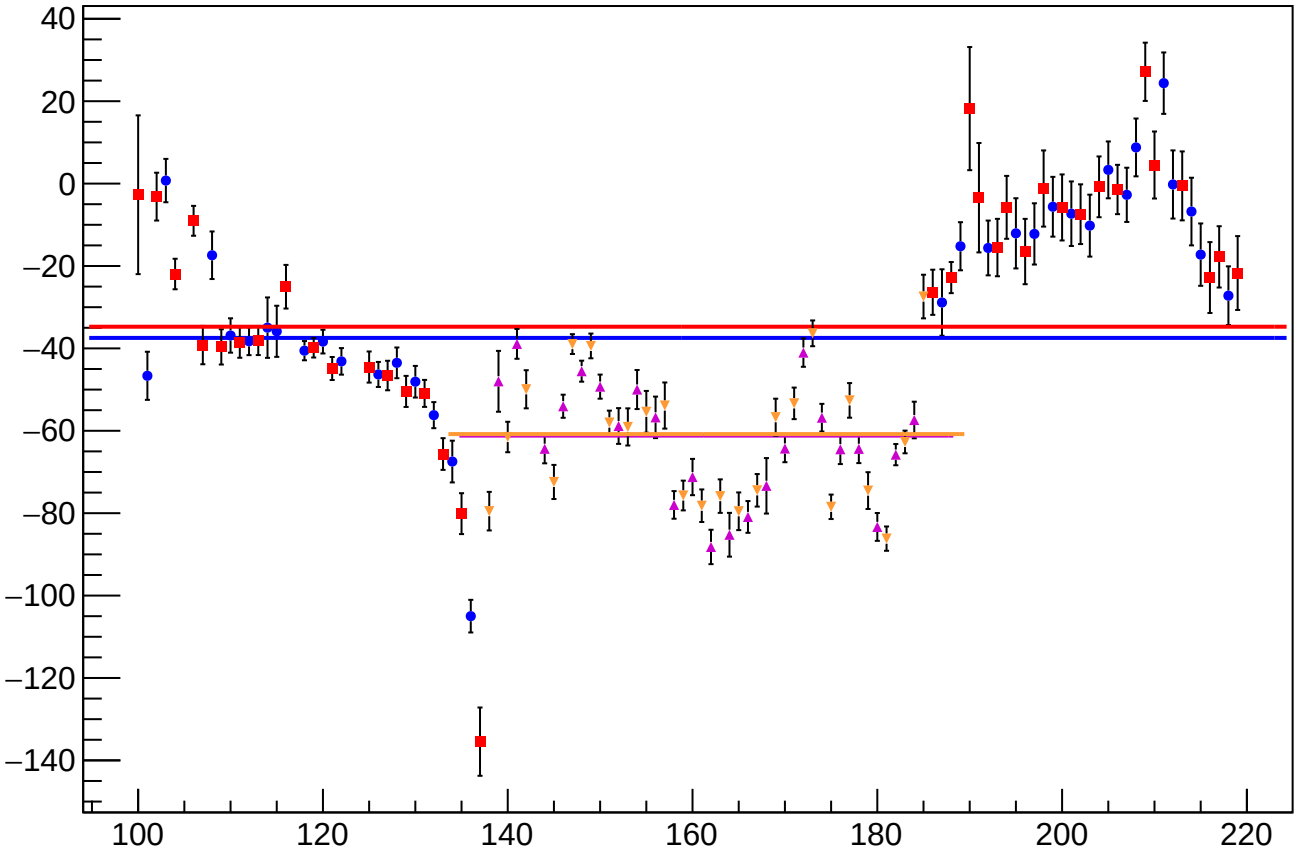
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -173.507+/-0.453 χ^2/NDF: 14370.3/67

In: -177.627+/-0.534 χ^2/NDF:7645.1/54

Out: -177.239+/-0.498 χ^2/NDF:13483.4/59

All: -177.419+/-0.364 χ^2/NDF: 21128.7/114



Right In: -37.455+/-0.834 χ^2/NDF: 764.6/31

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -34.739+/-0.800 χ^2/NDF: 751.2/35

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

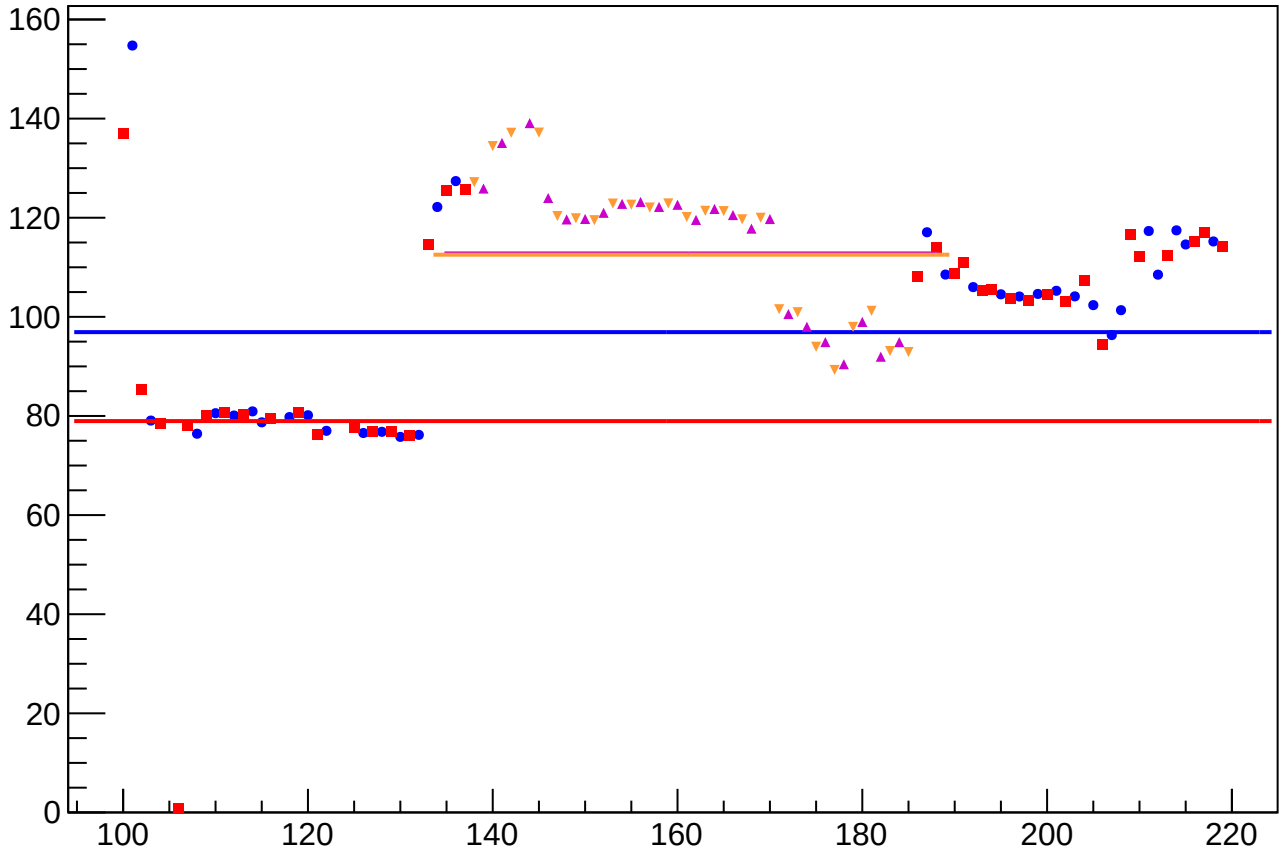
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -36.041+/-0.577 χ^2/NDF: 1521.3/67

In: -50.457+/-0.560 χ^2/NDF:1525.2/54

Out: -48.628+/-0.547 χ^2/NDF:1790.8/59

All: -49.520+/-0.391 χ^2/NDF: 3321.5/114



Right In: 96.915+/-0.045 χ^2/NDF: 194335.4/31

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 78.967+/-0.040 χ^2/NDF: 930453.0/35

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

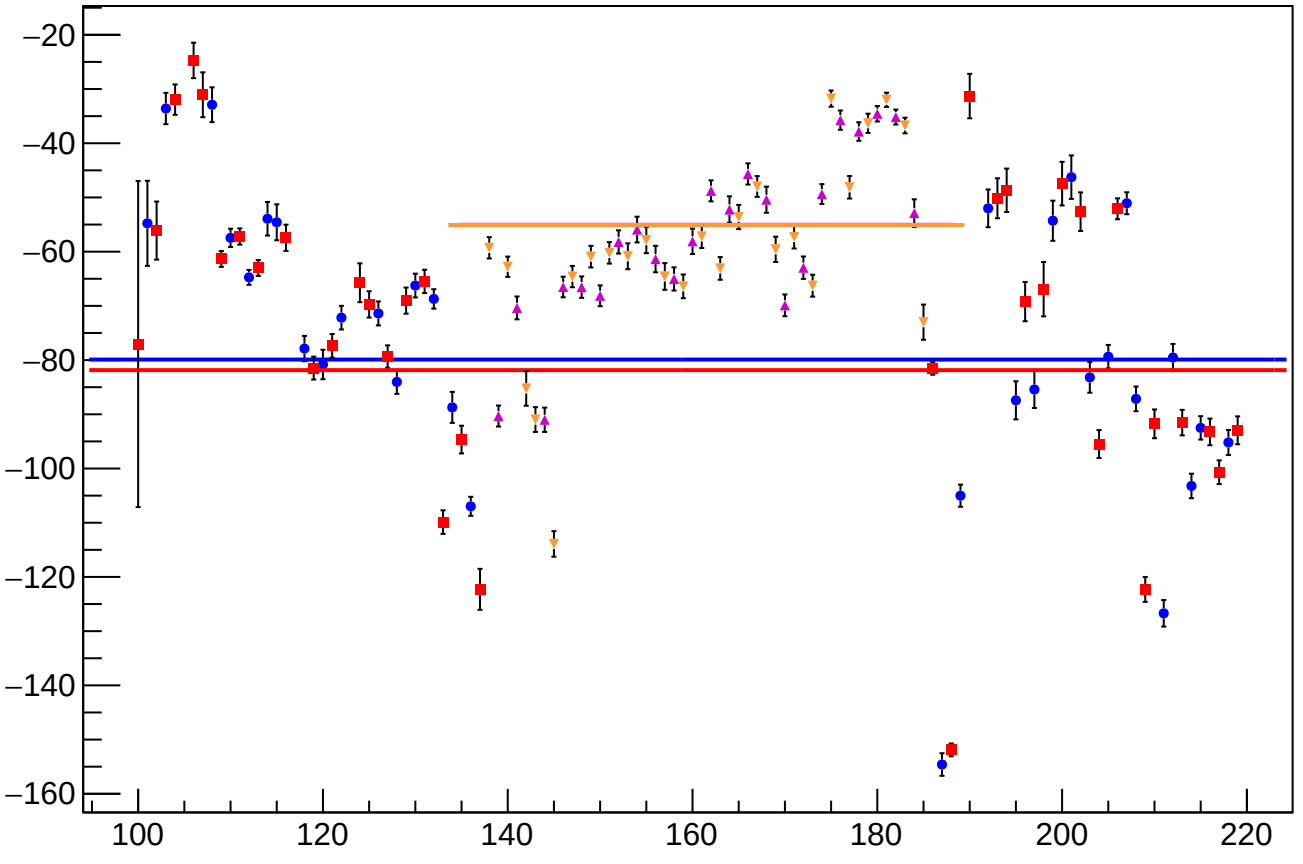
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 86.821+/-0.030 χ^2/NDF: 1213923.5/67

In: 106.945+/-0.027 χ^2/NDF:444349.1/54

Out: 98.084+/-0.026 χ^2/NDF:1510745.8/59

All: 102.304+/-0.019 χ^2/NDF: 2010011.0/114



Right In: -79.901+/-0.416 χ^2/NDF: 3660.1/31

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -81.855+/-0.379 χ^2/NDF: 6674.8/35

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

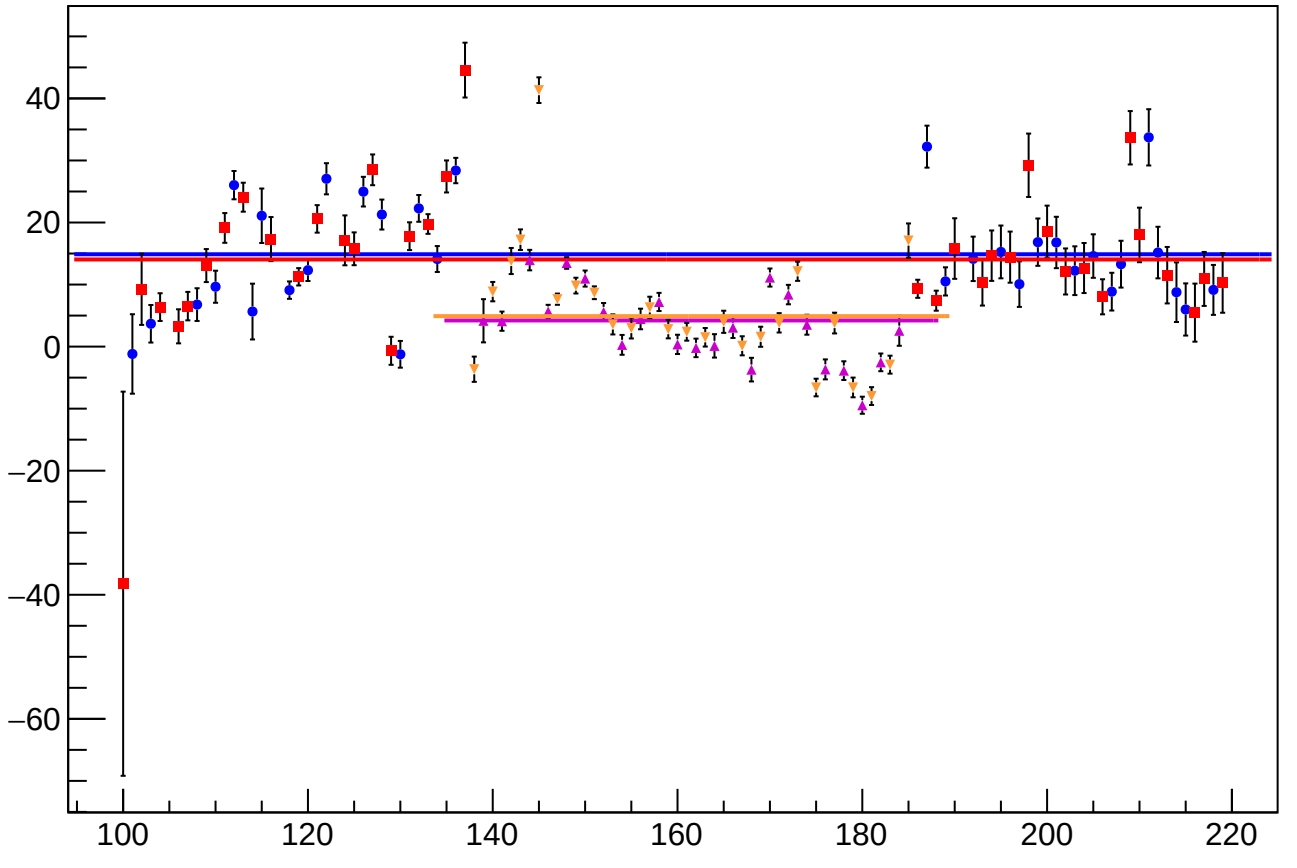
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -80.968+/-0.280 χ^2/NDF: 10347.0/67

In: -67.299+/-0.292 χ^2/NDF:7008.8/54

Out: -69.190+/-0.275 χ^2/NDF:11033.1/60

All: -68.300+/-0.200 χ^2/NDF: 18064.0/115



Right In: 14.881+/-0.490 χ^2/NDF: 304.8/31

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.047+/-0.450 χ^2/NDF: 315.9/35

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

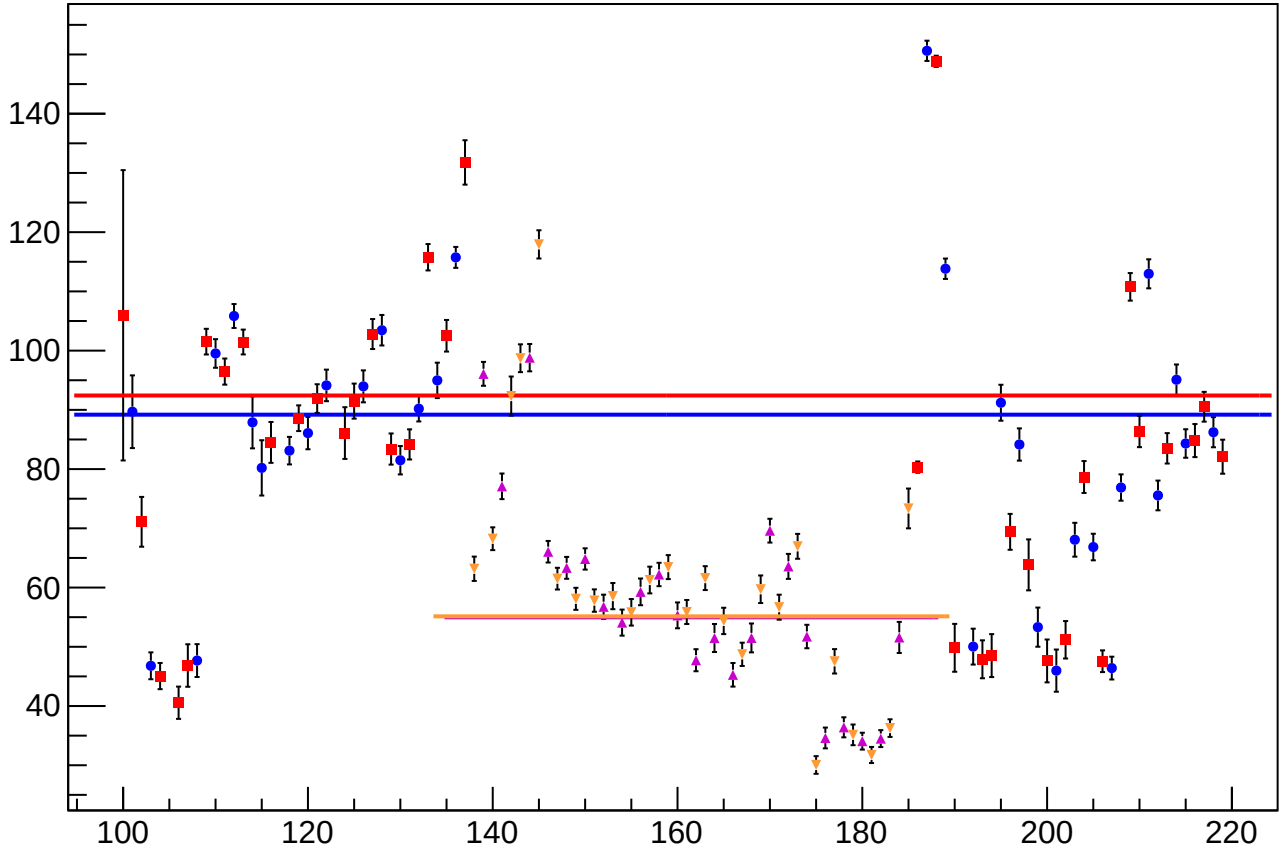
Right: 14.428+/-0.331 χ^2/NDF: 622.2/67

In: 7.300+/-0.263 χ^2/NDF:1057.1/54

Out: 7.743+/-0.250 χ^2/NDF:1342.4/60

All: 7.533+/-0.181 χ^2/NDF: 2401.0/115

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 89.188+/-0.437 χ^2/NDF: 3694.2/31

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 92.425+/-0.385 χ^2/NDF: 6633.6/35

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

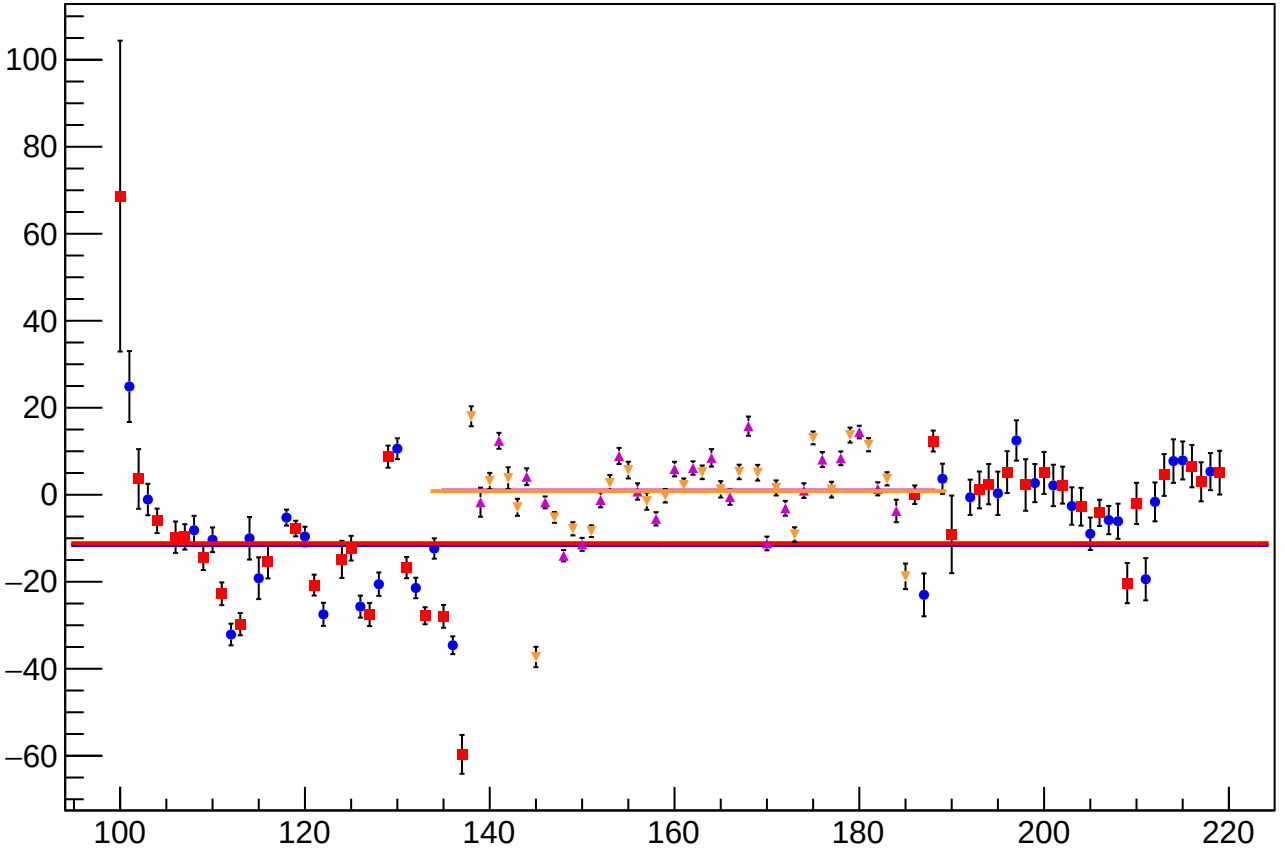
Right: 91.011+/-0.289 χ^2/NDF: 10358.8/67

In: 70.807+/-0.297 χ^2/NDF:8768.3/54

Out: 74.355+/-0.276 χ^2/NDF:13423.1/60

All: 72.710+/-0.202 χ^2/NDF: 22267.8/115

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -11.543+/-0.564 χ^2/NDF: 572.0/31

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -11.139+/-0.533 χ^2/NDF: 683.9/35

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

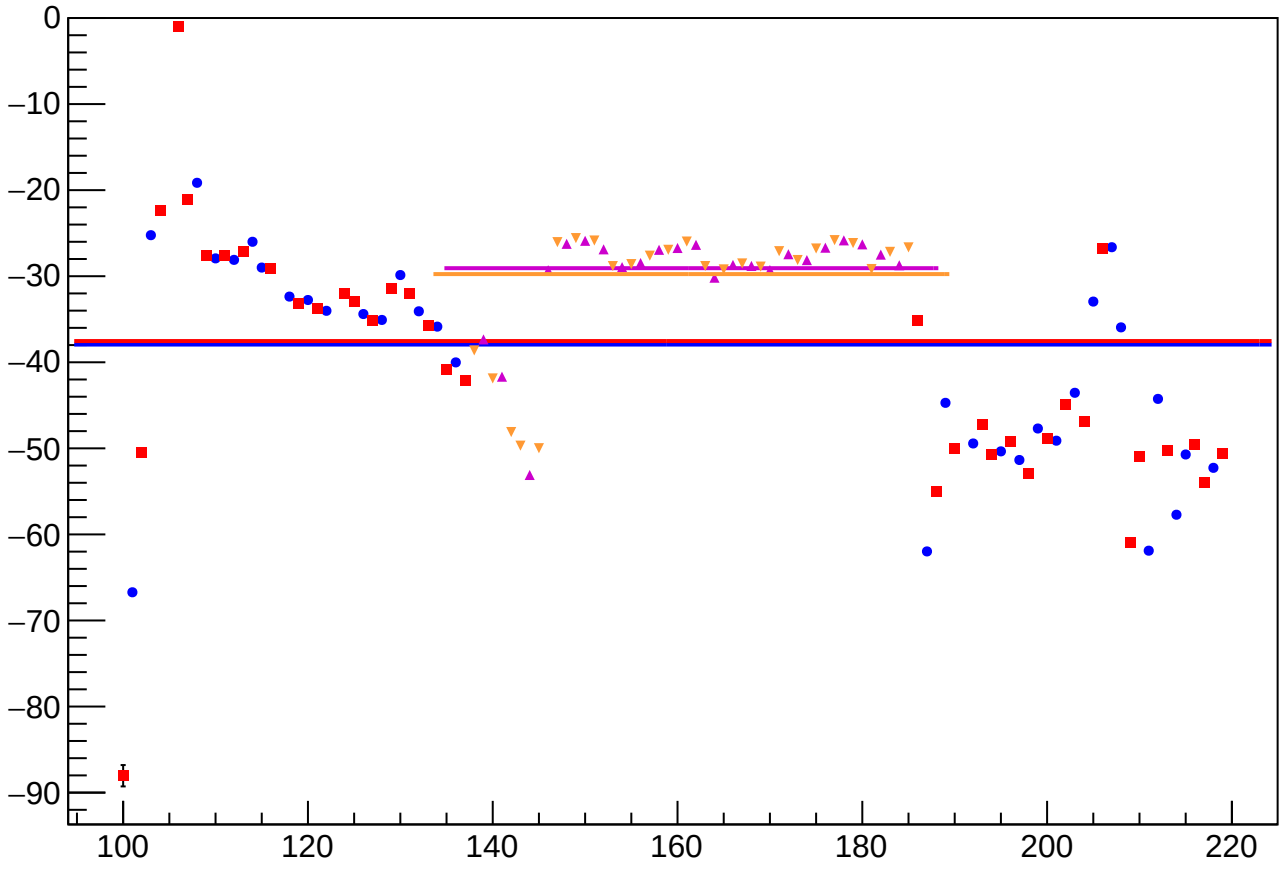
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -11.330+/-0.387 χ^2/NDF: 1256.2/67

In: -2.554+/-0.299 χ^2/NDF:1485.0/54

Out: -2.666+/-0.288 χ^2/NDF:1758.3/60

All: -2.612+/-0.208 χ^2/NDF: 3243.4/115



Right In: -37.940+/-0.028 χ^2/NDF: 144830.0/31

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -37.533+/-0.028 χ^2/NDF: 240645.3/35

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

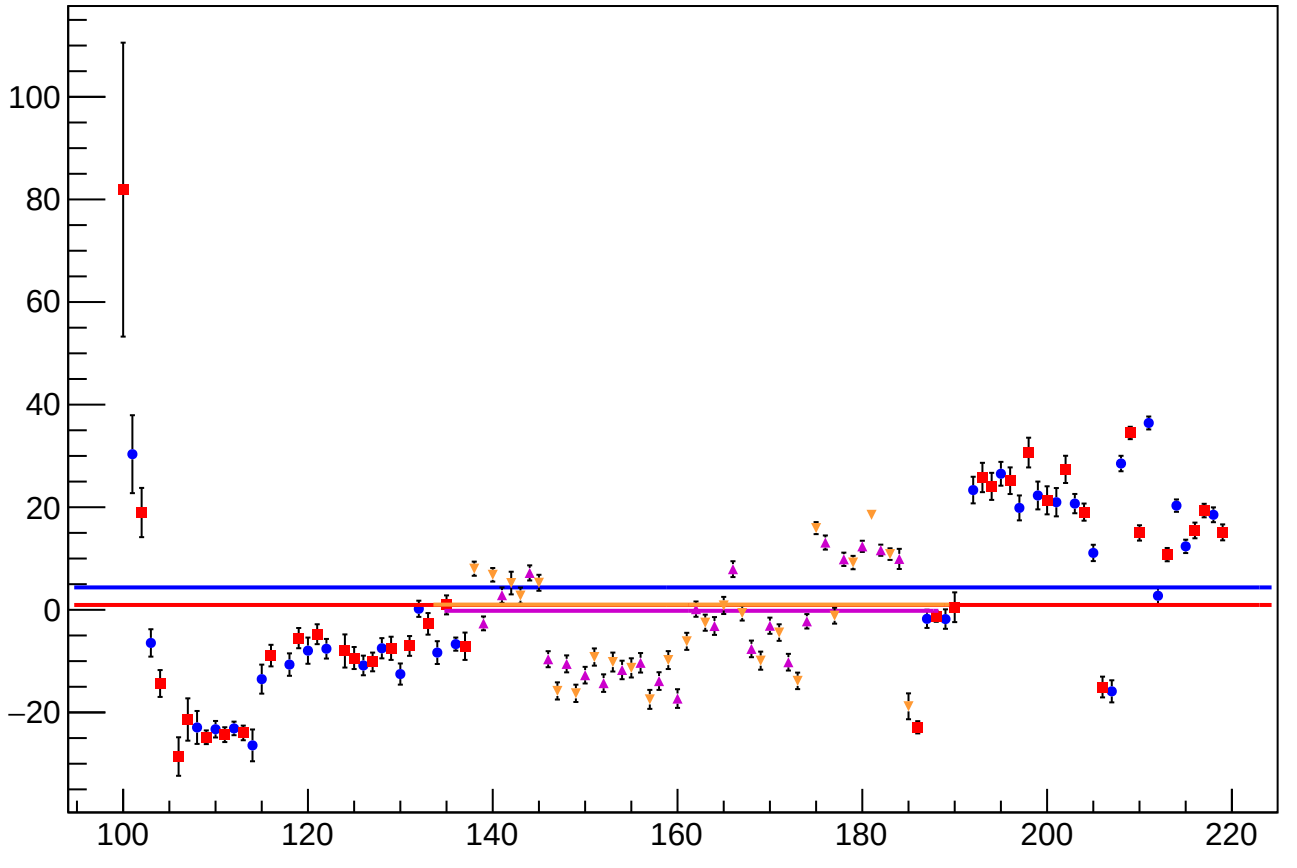
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -37.733+/-0.020 χ^2/NDF: 385581.6/67

In: -31.198+/-0.014 χ^2/NDF:322150.0/54

Out: -31.629+/-0.014 χ^2/NDF:464369.4/60

All: -31.417+/-0.010 χ^2/NDF: 787018.6/115



Right In: 4.370+/-0.324 χ^2/NDF: 3036.3/31

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: 0.948+/-0.306 χ^2/NDF: 3653.7/35

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

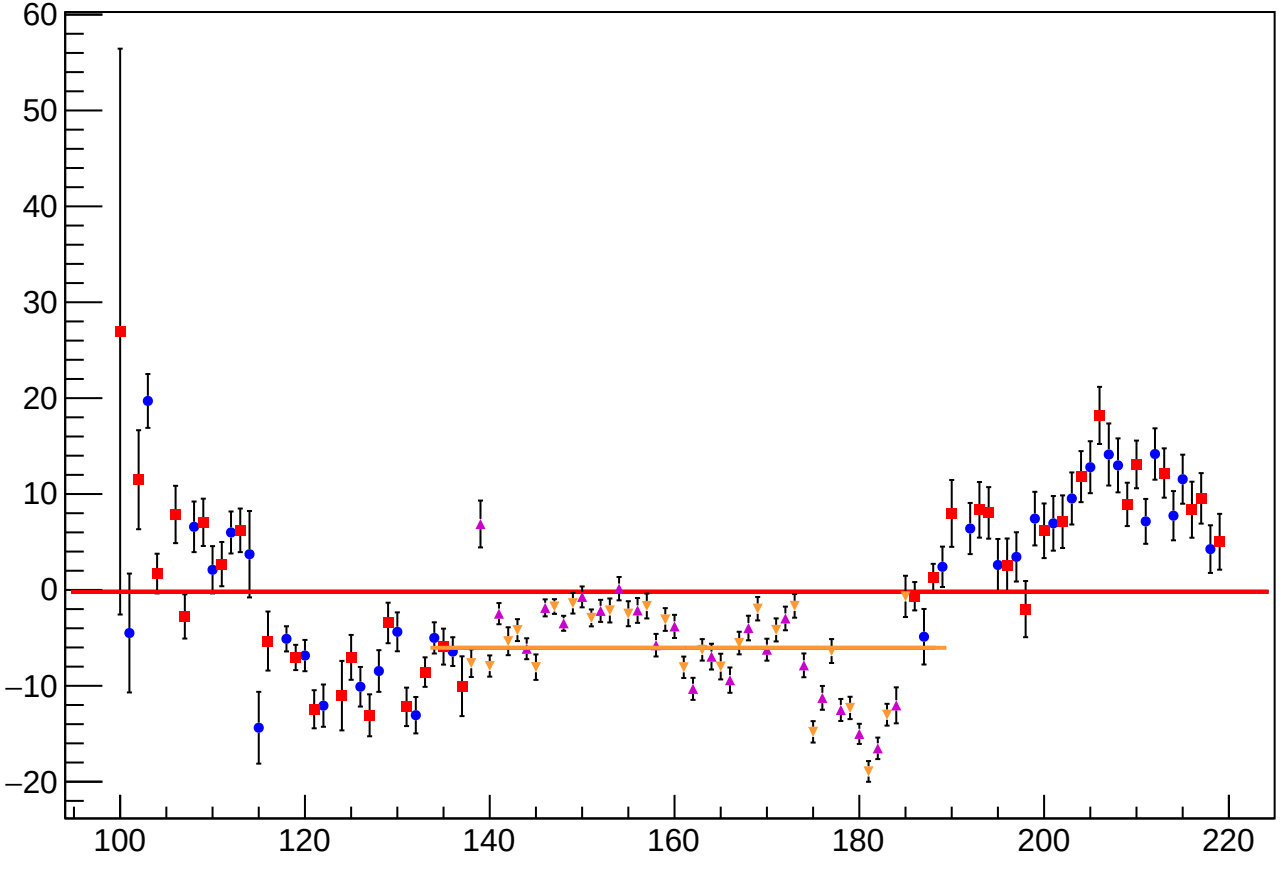
Right: 2.561+/-0.223 χ^2/NDF: 6749.0/67

In: 2.020+/-0.226 χ^2/NDF:4121.1/54

Out: 0.982+/-0.216 χ^2/NDF:4988.8/60

All: 1.478+/-0.156 χ^2/NDF: 9121.0/115

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.175+/-0.407 χ^2/NDF: 431.4/31

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -0.213+/-0.386 χ^2/NDF: 430.6/35

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

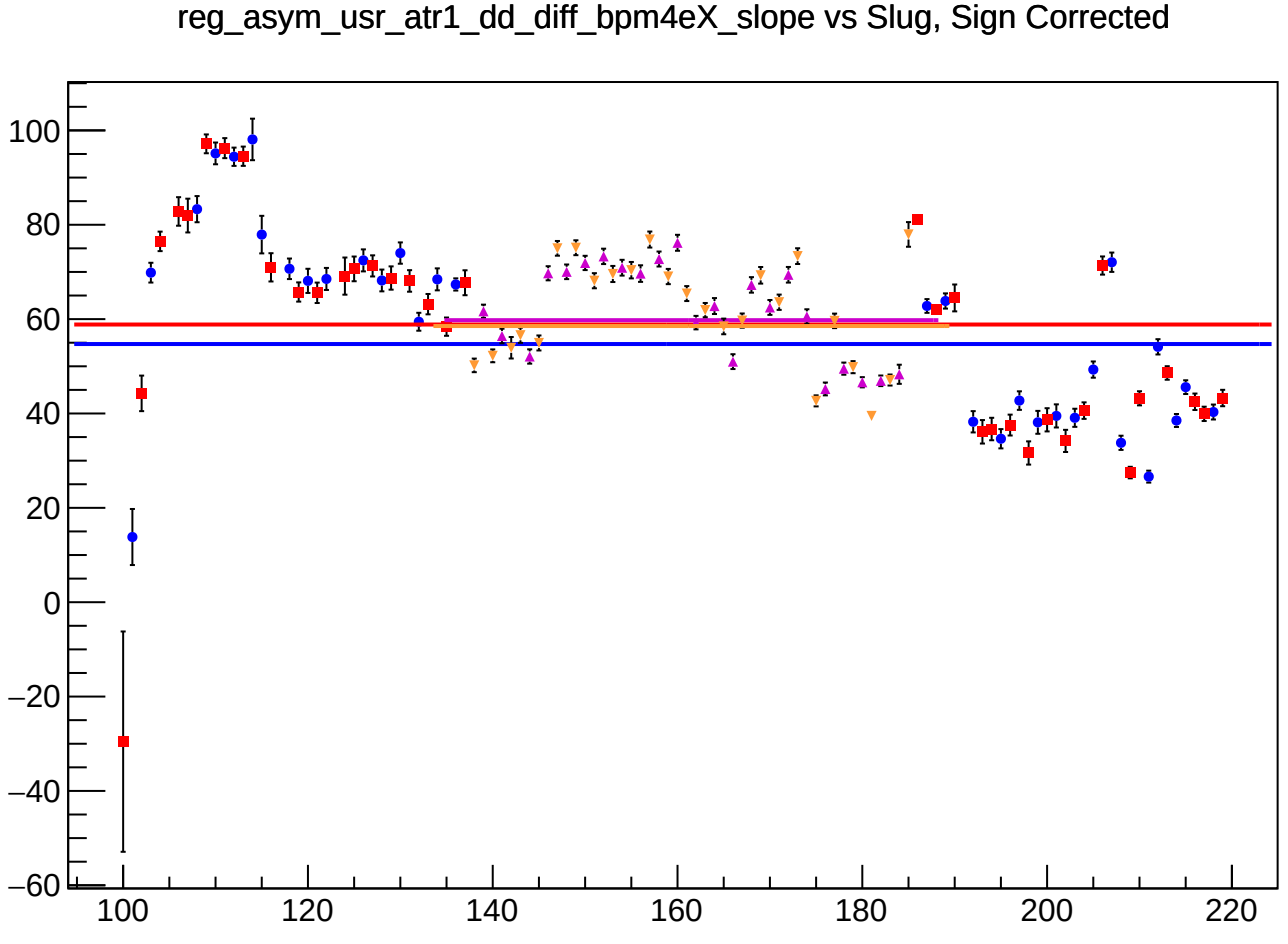
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -0.195+/-0.280 χ^2/NDF: 862.1/67

In: -4.501+/-0.208 χ^2/NDF:981.2/54

Out: -4.476+/-0.200 χ^2/NDF:1012.4/60

All: -4.488+/-0.144 χ^2/NDF: 1993.7/115



Right In: 54.718+/-0.339 χ^2/NDF: 2912.5/31

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 58.855+/-0.313 χ^2/NDF: 3748.9/35

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

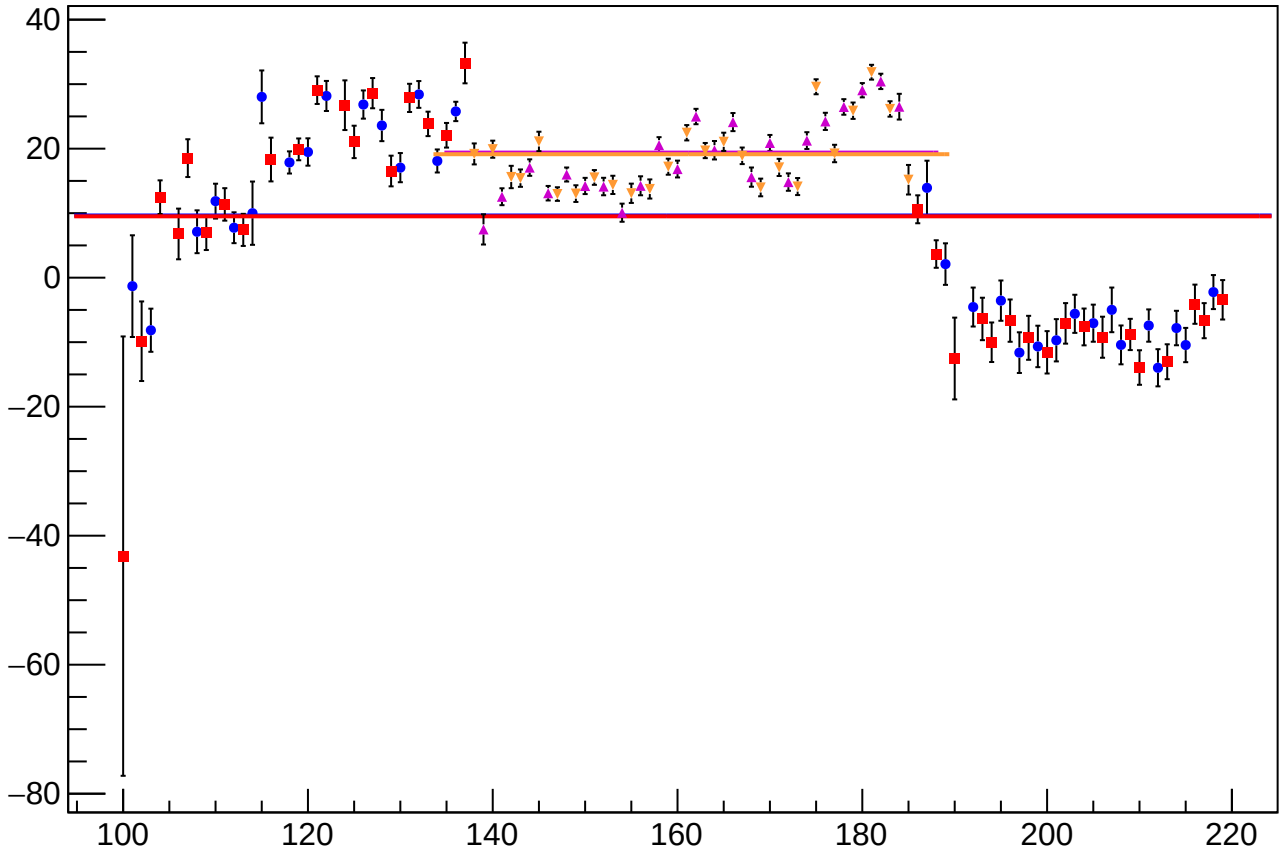
Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

Right: 56.952+/-0.230 χ^2/NDF: 6741.8/67

In: 57.460+/-0.229 χ^2/NDF:4103.8/54

Out: 58.690+/-0.218 χ^2/NDF:5198.6/60

All: 58.107+/-0.158 χ^2/NDF: 9317.6/115



Right In: 9.641+/-0.461 χ^2/NDF: 1008.4/31

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 9.510+/-0.449 χ^2/NDF: 1052.7/35

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

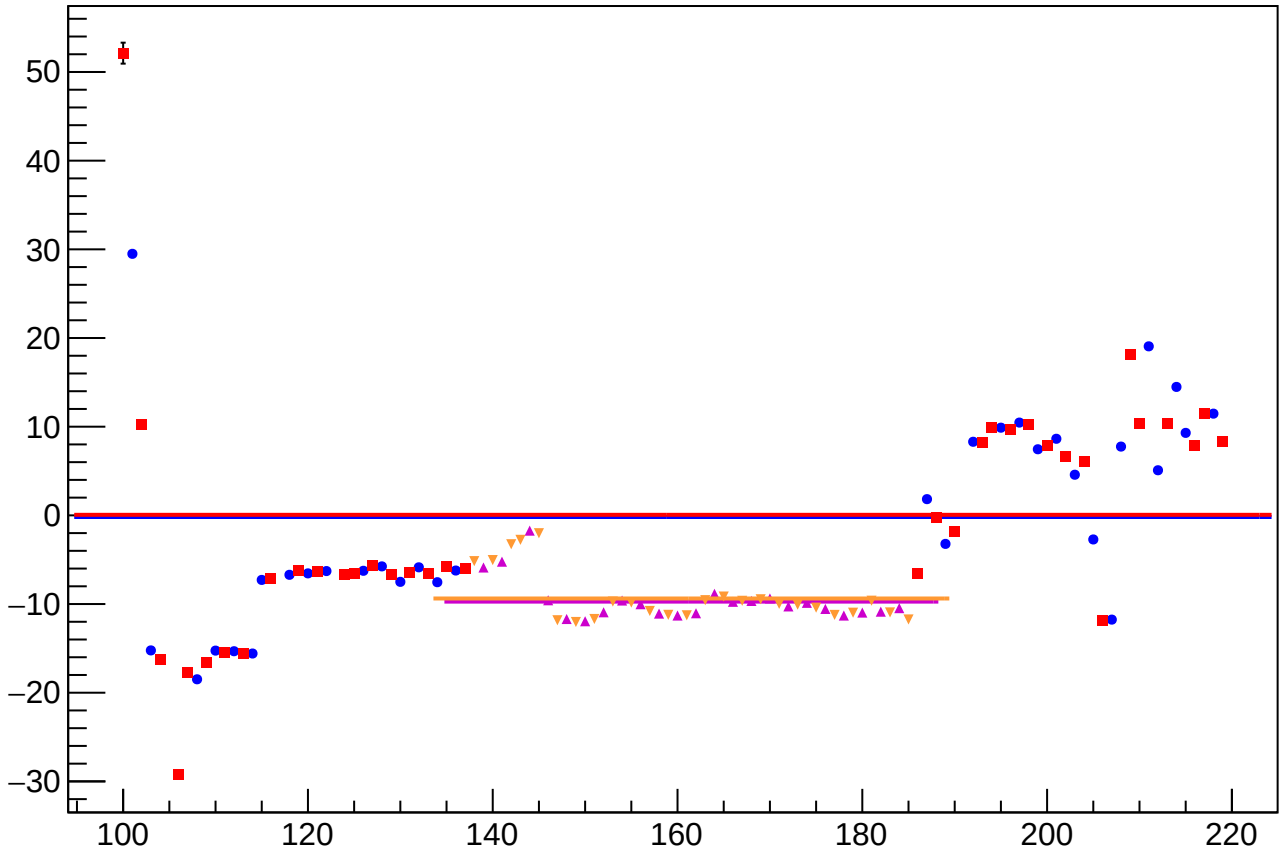
Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

Right: 9.574+/-0.321 χ^2/NDF: 2061.1/67

In: 16.849+/-0.235 χ^2/NDF:1807.0/54

Out: 16.662+/-0.228 χ^2/NDF:1828.4/60

All: 16.752+/-0.164 χ^2/NDF: 3635.8/115



Right In: -0.183+/-0.022 χ^2/NDF: 217492.2/31

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: 0.061+/-0.022 χ^2/NDF: 248255.4/35

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

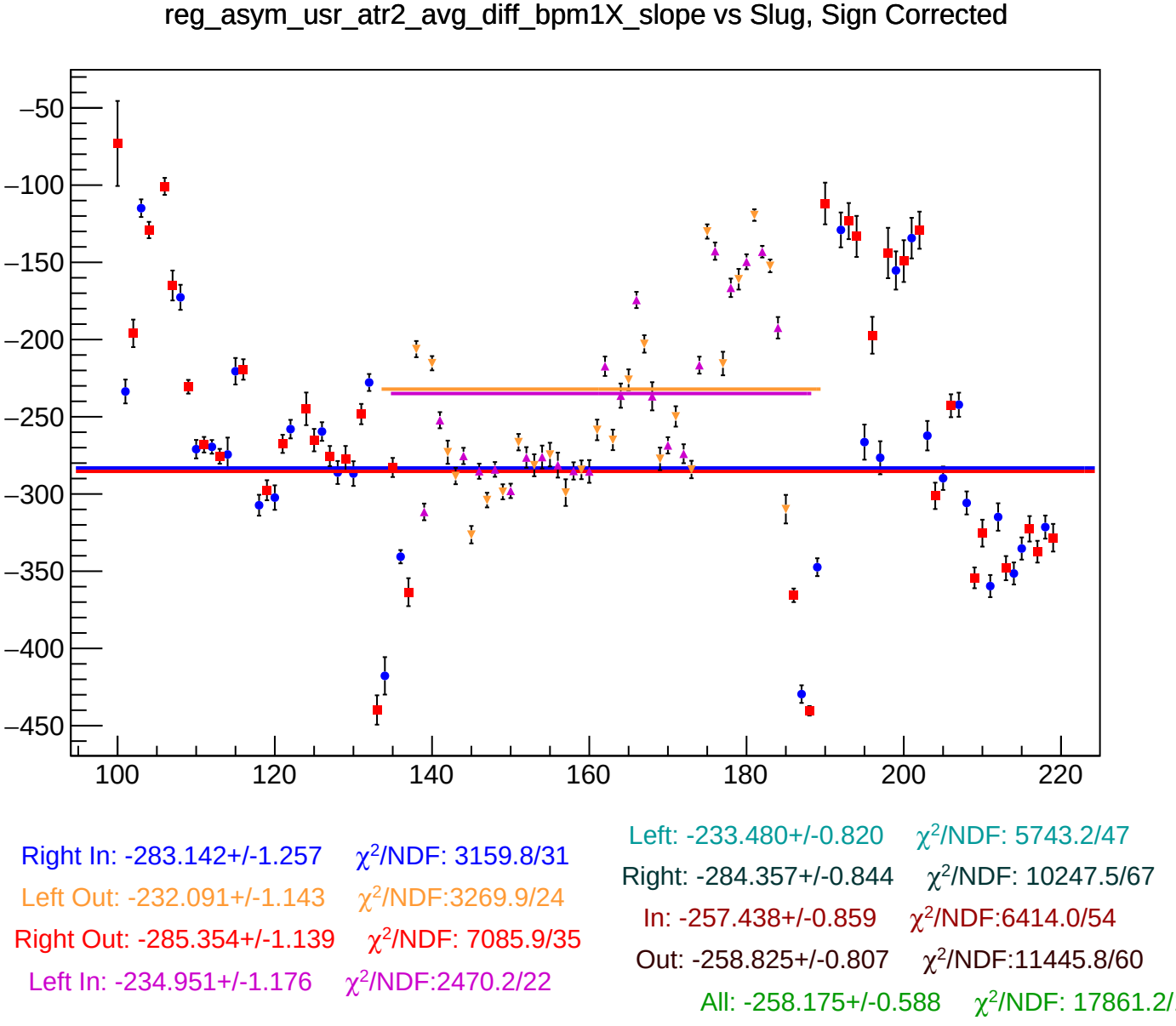
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

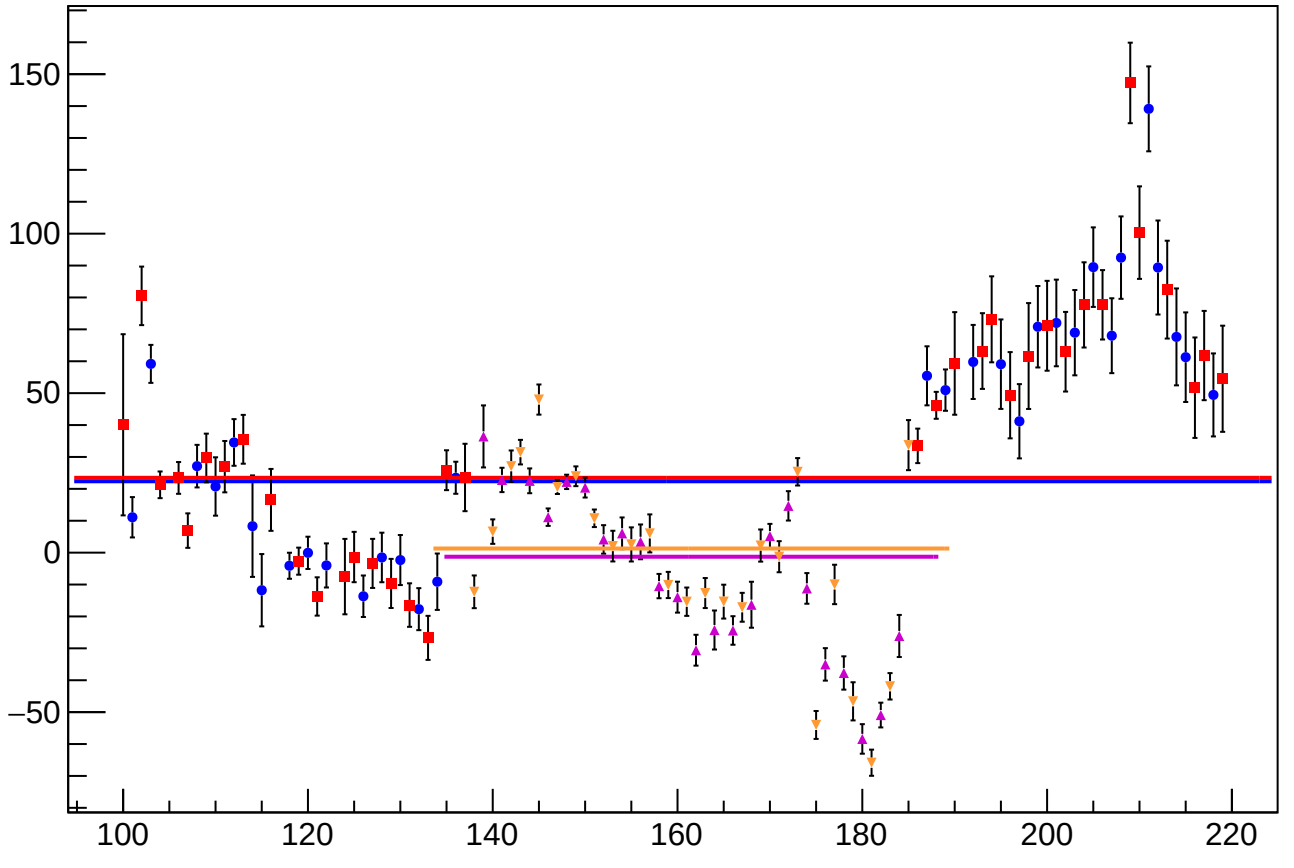
Right: -0.061+/-0.016 χ^2/NDF: 465809.5/67

In: -7.503+/-0.011 χ^2/NDF:394055.3/54

Out: -7.239+/-0.010 χ^2/NDF:440925.5/60

All: -7.369+/-0.007 χ^2/NDF: 835293.9/115


reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
−450
100
120
140
160
180
200
220
Right In: -283.142+/-1.257 χ²/NDF: 3159.8/31
Left Out: -232.091+/-1.143 χ²/NDF:3269.9/24
Right Out: -285.354+/-1.139 χ²/NDF: 7085.9/35
Left In: -234.951+/-1.176 χ²/NDF:2470.2/22
Left: -233.480+/-0.820 χ²/NDF: 5743.2/47
Right: -284.357+/-0.844 χ²/NDF: 10247.5/67
In: -257.438+/-0.859 χ²/NDF:6414.0/54
Out: -258.825+/-0.807 χ²/NDF:11445.8/60
All: -258.175+/-0.588 χ²/NDF: 17861.2/115



Right In: 22.374+/-1.432 χ^2/NDF: 514.7/31

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 23.459+/-1.300 χ^2/NDF: 550.5/35

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

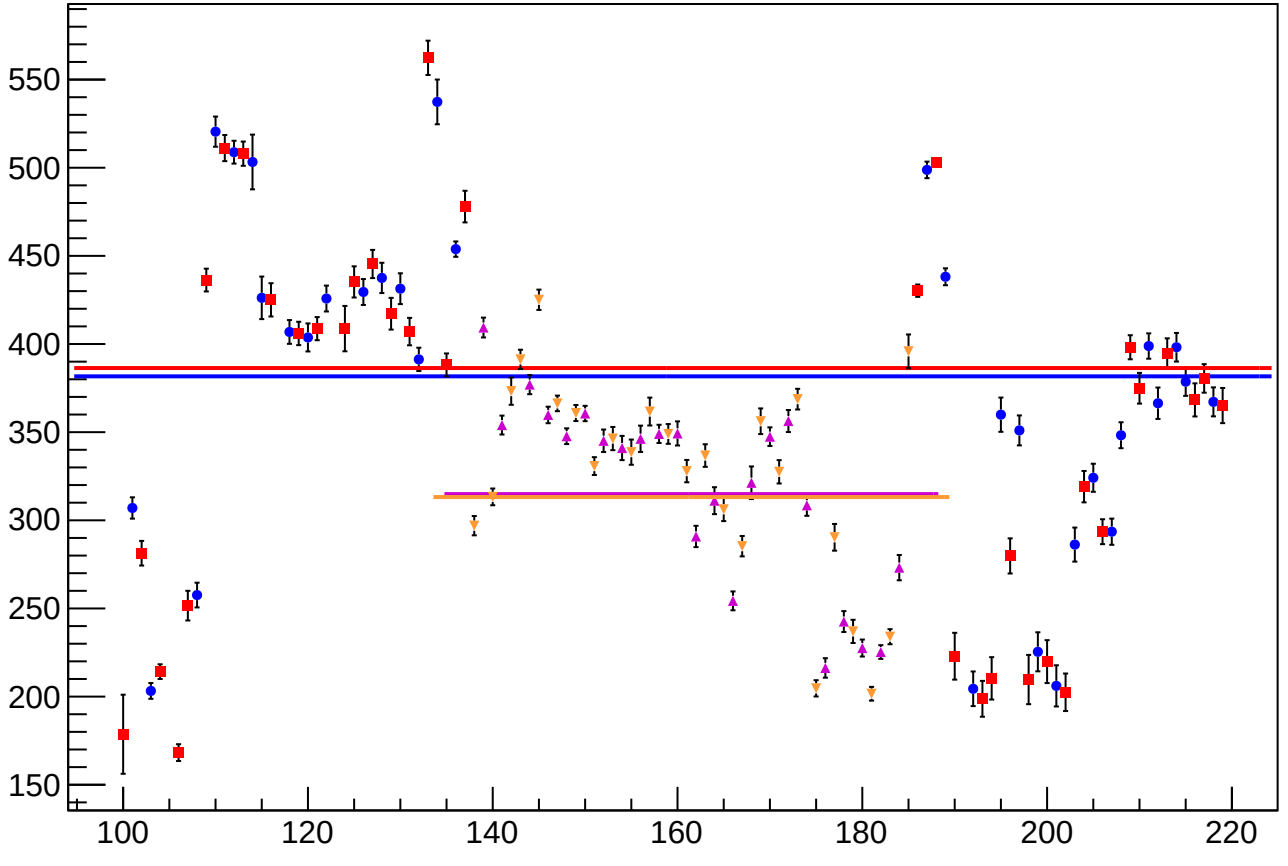
Right: 22.969+/-0.962 χ^2/NDF: 1065.5/67

In: 5.085+/-0.743 χ^2/NDF:1525.4/54

Out: 7.790+/-0.704 χ^2/NDF:1805.5/60

All: 6.510+/-0.511 χ^2/NDF: 3337.9/115

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 381.673+/-1.281 χ^2/NDF: 5237.0/31

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 386.370+/-1.128 χ^2/NDF: 9710.3/35

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

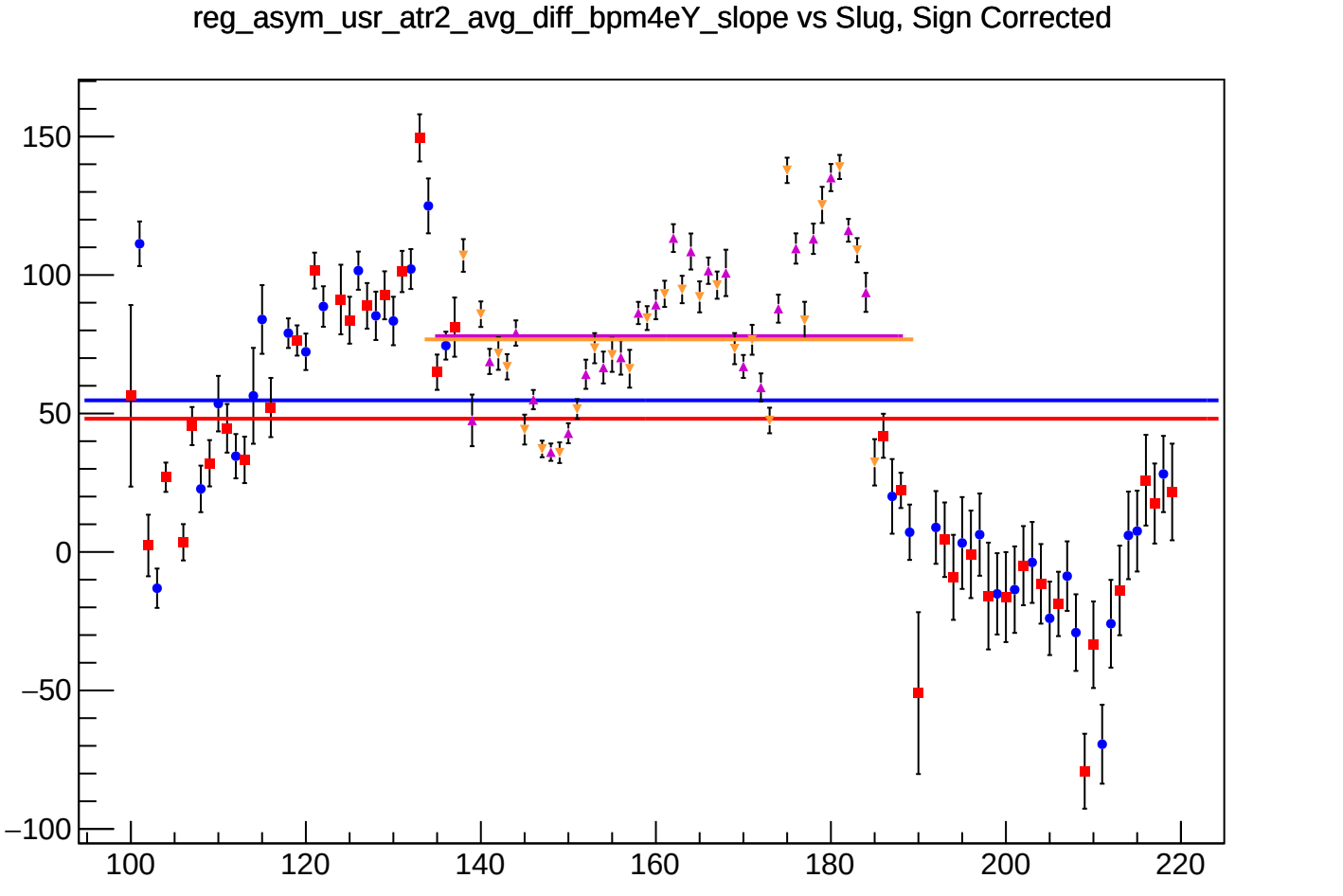
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 384.319+/-0.847 χ^2/NDF: 14954.8/67

In: 344.999+/-0.860 χ^2/NDF:9158.7/54

Out: 349.980+/-0.800 χ^2/NDF:14939.2/60

All: 347.672+/-0.586 χ^2/NDF: 24115.9/115



Right In: 54.751+/-1.664 χ^2/NDF: 737.2/31

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 48.122+/-1.553 χ^2/NDF: 763.8/35

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

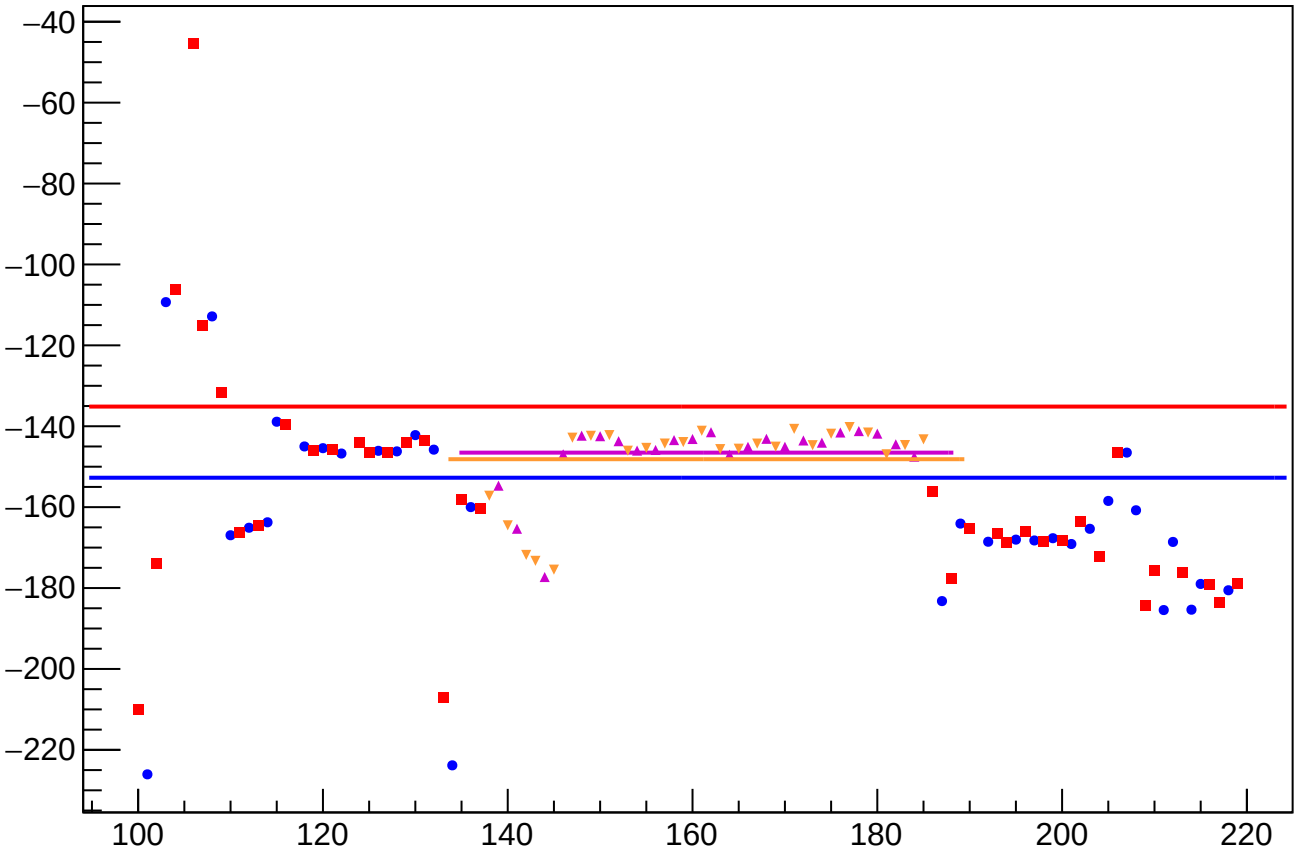
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 51.207+/-1.135 χ^2/NDF: 1509.5/67

In: 71.806+/-0.855 χ^2/NDF:1663.7/54

Out: 68.761+/-0.821 χ^2/NDF:2044.3/60

All: 70.220+/-0.592 χ^2/NDF: 3714.5/115



Right In: -152.725+/-0.080 χ^2/NDF: 153706.1/31

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -135.137+/-0.074 χ^2/NDF: 368336.7/35

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

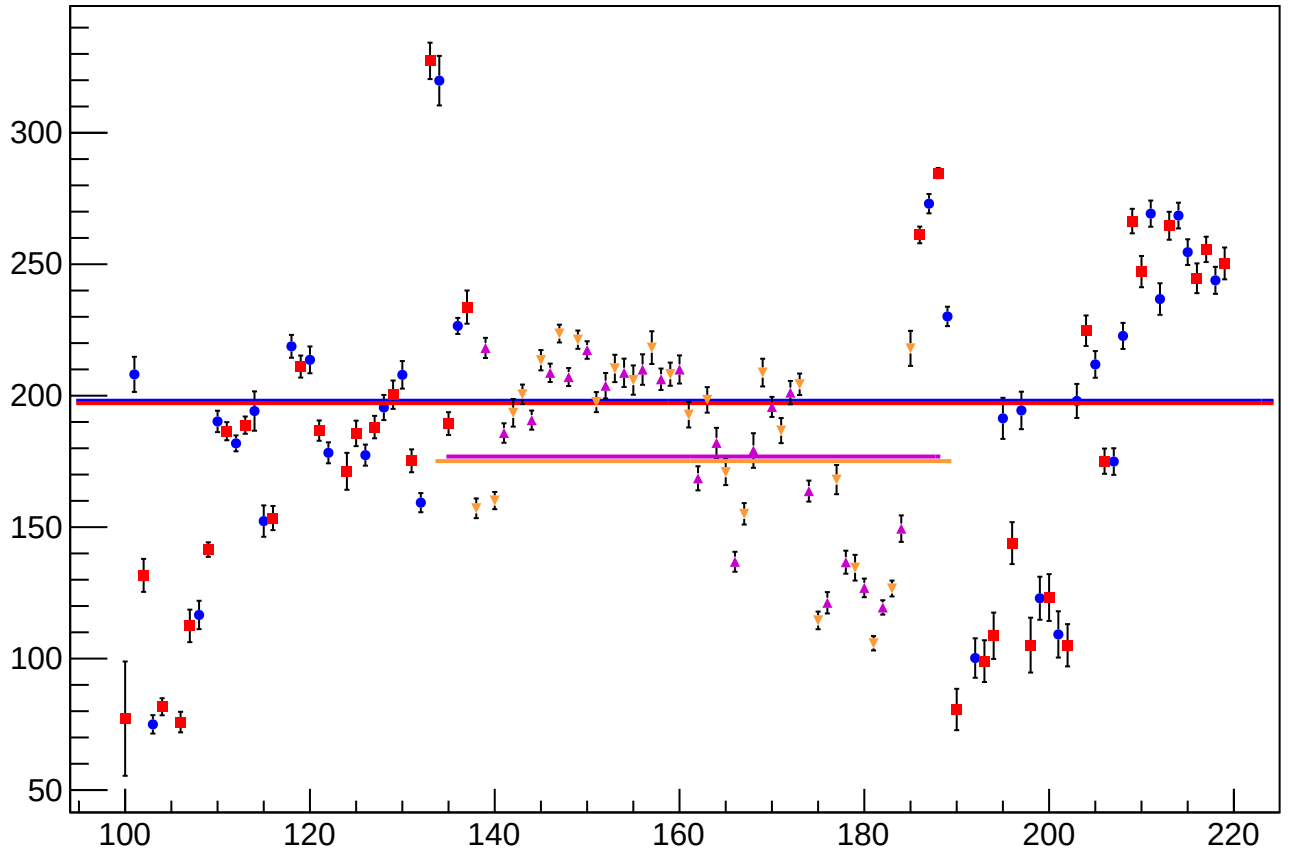
Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

Right: -143.207+/-0.054 χ^2/NDF: 548189.9/67

In: -148.041+/-0.040 χ^2/NDF:187416.1/54

Out: -144.603+/-0.038 χ^2/NDF:439936.7/60

All: -146.272+/-0.028 χ^2/NDF: 631232.2/115



Right In: 198.081+/-0.844 χ^2/NDF: 3578.0/31

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 197.179+/-0.757 χ^2/NDF: 7572.3/35

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

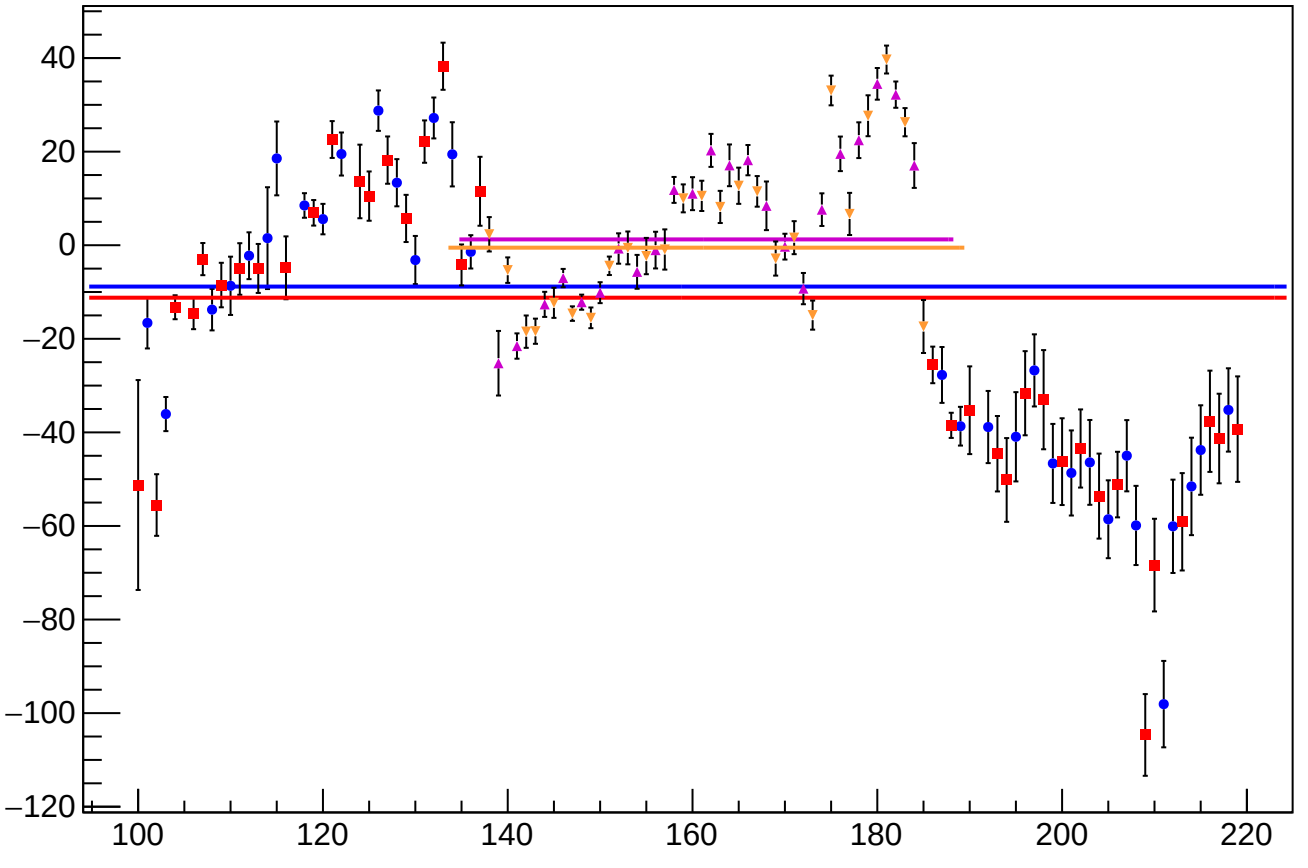
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 197.581+/-0.563 χ^2/NDF: 11150.9/67

In: 187.512+/-0.598 χ^2/NDF:5649.0/54

Out: 187.066+/-0.557 χ^2/NDF:10257.2/60

All: 187.273+/-0.407 χ^2/NDF: 15906.5/115



Right In: -8.838+/-0.958 χ^2/NDF: 764.2/31

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -11.216+/-0.858 χ^2/NDF: 856.0/35

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

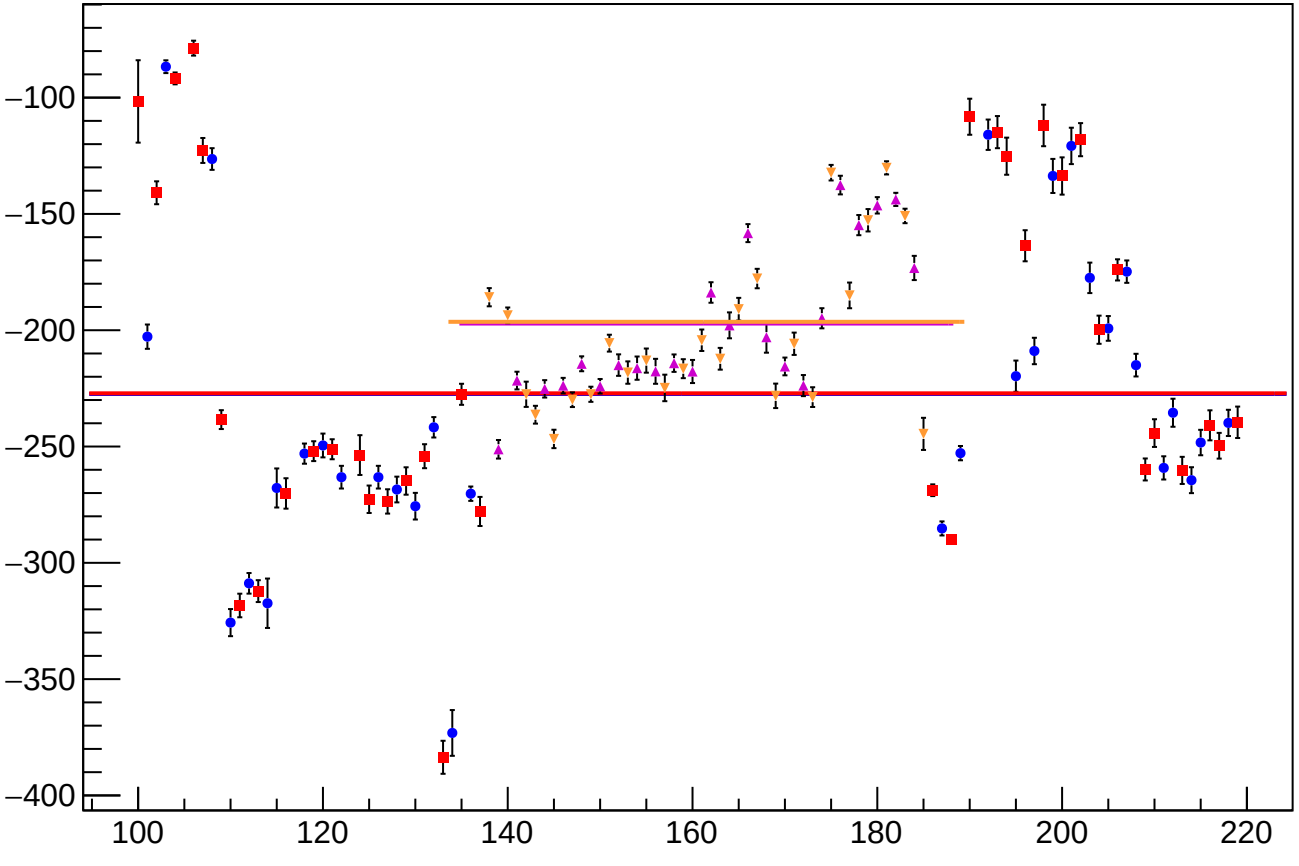
Right: -10.158+/-0.639 χ^2/NDF: 1623.6/67

In: -1.768+/-0.524 χ^2/NDF:1462.4/54

Out: -4.041+/-0.492 χ^2/NDF:1684.7/60

All: -2.975+/-0.359 χ^2/NDF: 3157.1/115

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -227.417+/-0.857 χ^2/NDF: 5946.9/31

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -227.129+/-0.746 χ^2/NDF: 10677.0/35

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

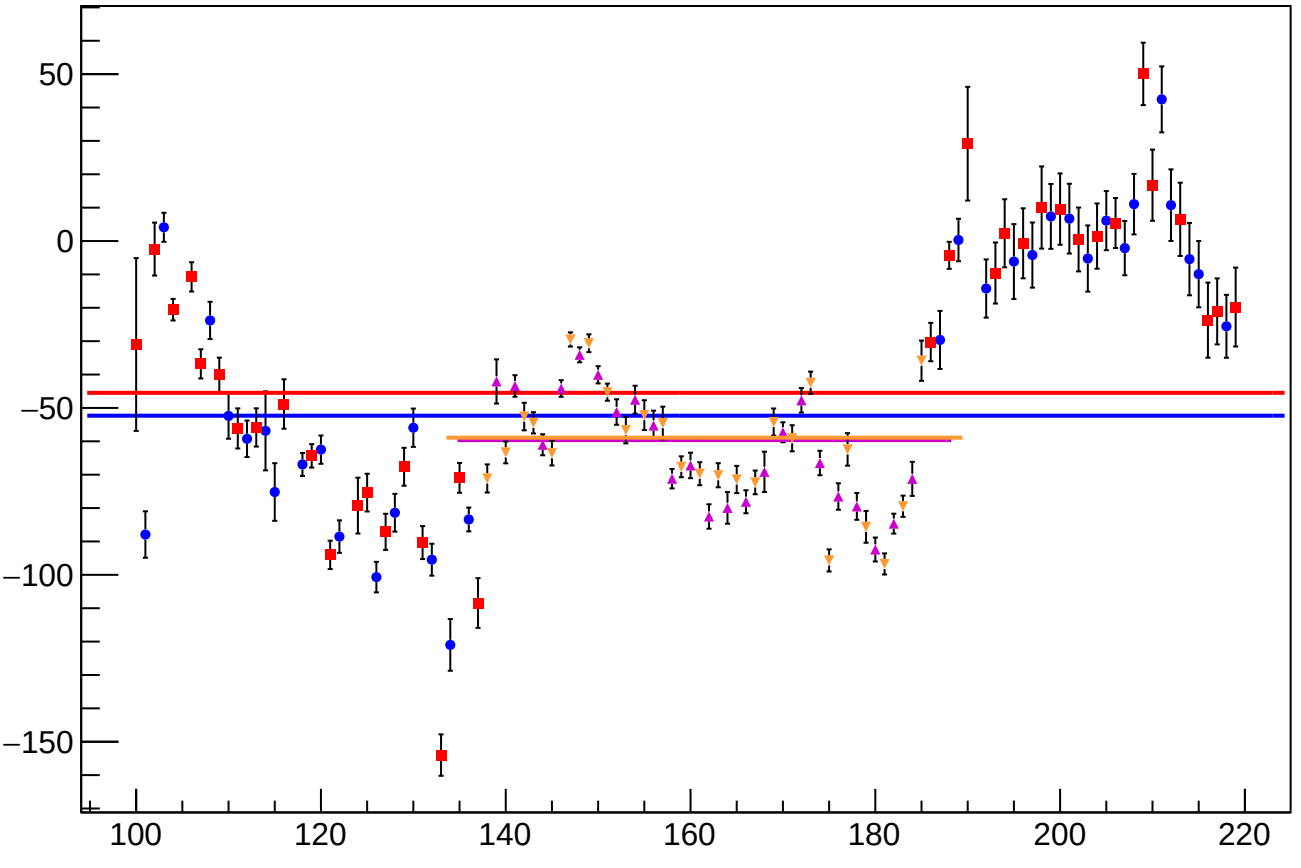
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -227.253+/-0.563 χ^2/NDF: 16623.9/67

In: -211.906+/-0.599 χ^2/NDF:8187.6/54

Out: -213.127+/-0.550 χ^2/NDF:13448.5/60

All: -212.568+/-0.405 χ^2/NDF: 21638.4/115



Right In: -52.325+/-1.118 χ^2/NDF: 1213.1/31

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -45.469+/-1.028 χ^2/NDF: 1433.8/35

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

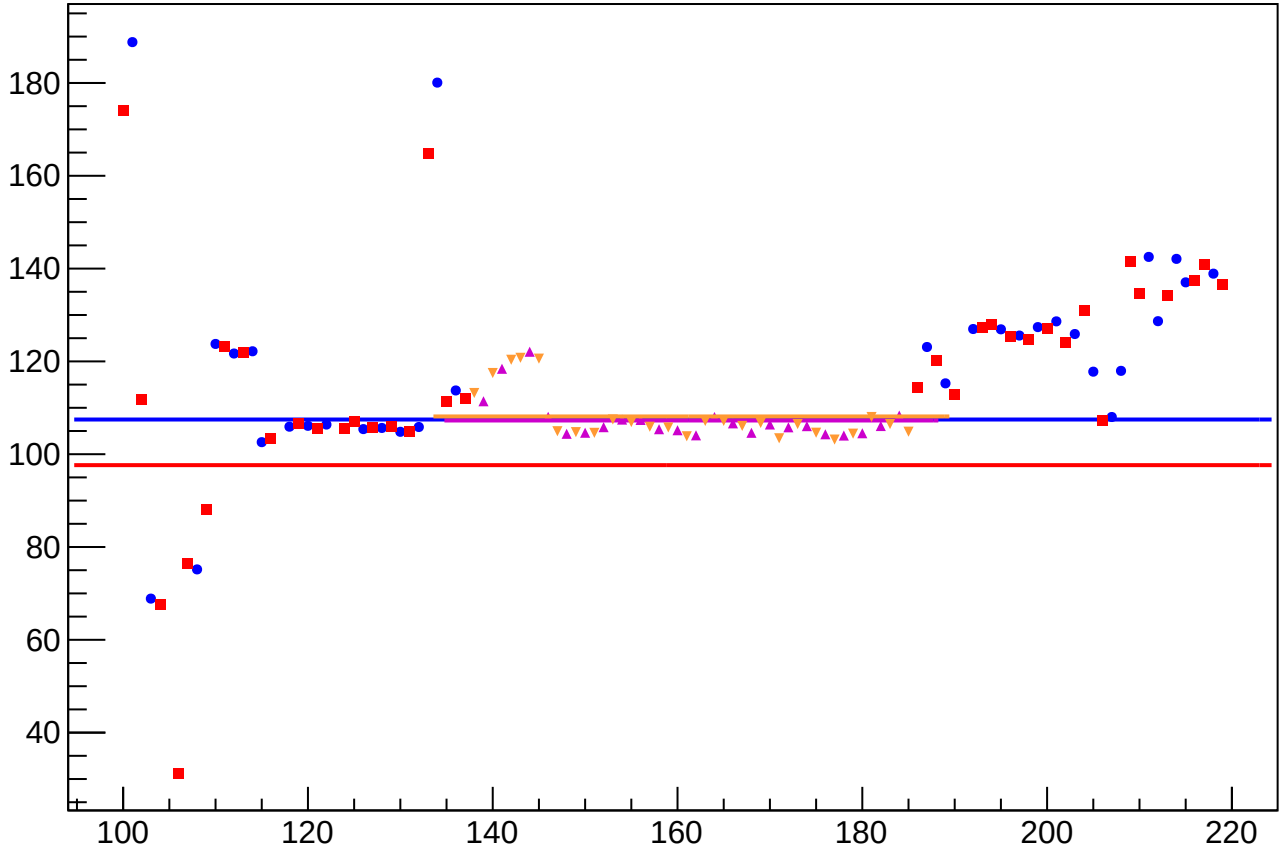
Right: -48.609+/-0.756 χ^2/NDF: 2667.3/67

In: -57.500+/-0.604 χ^2/NDF:1840.4/54

Out: -54.692+/-0.576 χ^2/NDF:2333.7/60

All: -56.028+/-0.417 χ^2/NDF: 4185.4/115

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 107.475+/-0.053 χ^2/NDF: 292198.1/31

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 97.642+/-0.050 χ^2/NDF: 421403.7/35

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

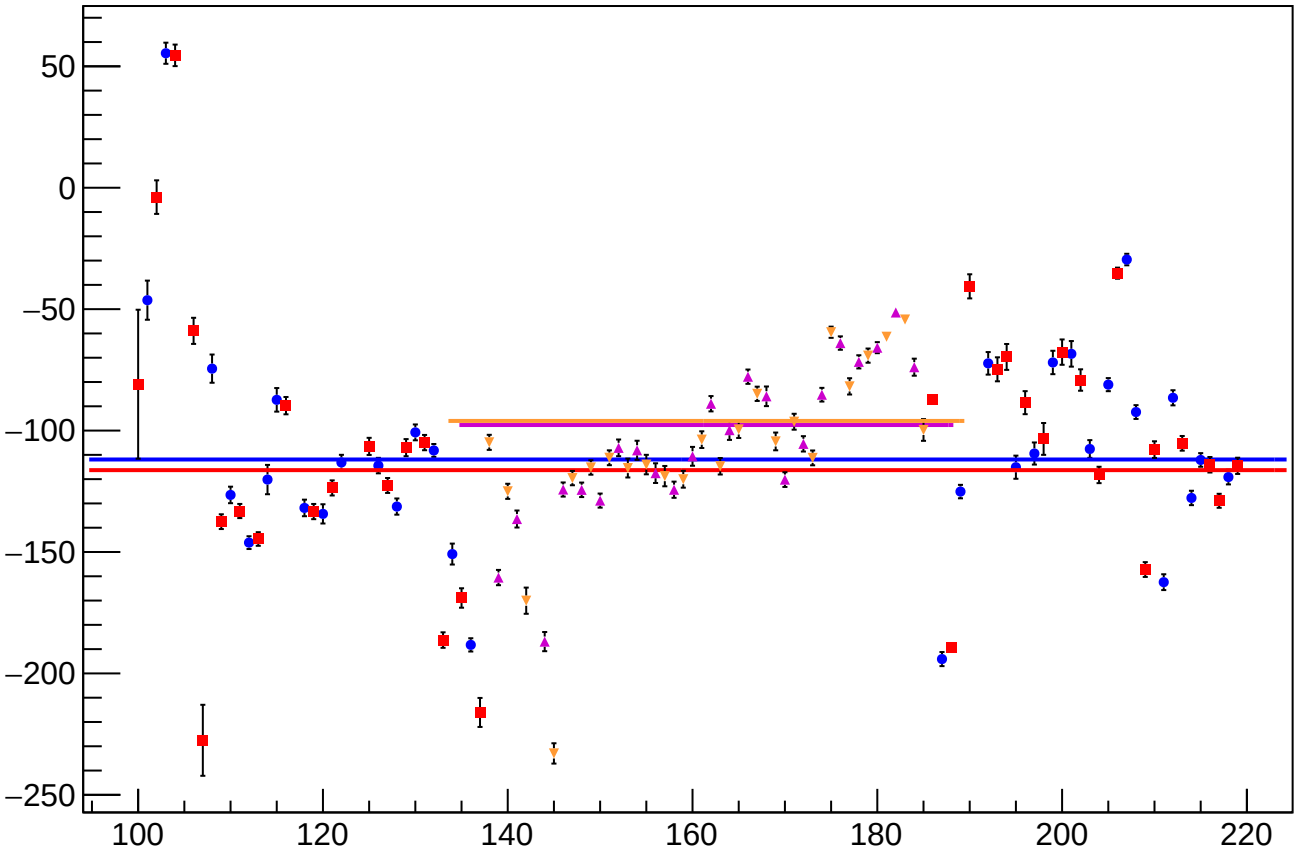
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 102.202+/-0.036 χ^2/NDF: 731742.1/67

In: 107.323+/-0.028 χ^2/NDF:309088.5/54

Out: 105.000+/-0.027 χ^2/NDF:479065.7/60

All: 106.128+/-0.019 χ^2/NDF: 791700.8/115



Right In: -111.906+/-0.599 χ^2/NDF: 5537.4/31

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

Right Out: -116.291+/-0.558 χ^2/NDF: 7536.1/34

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

Left: -96.865+/-0.450 χ^2/NDF: 5415.3/46

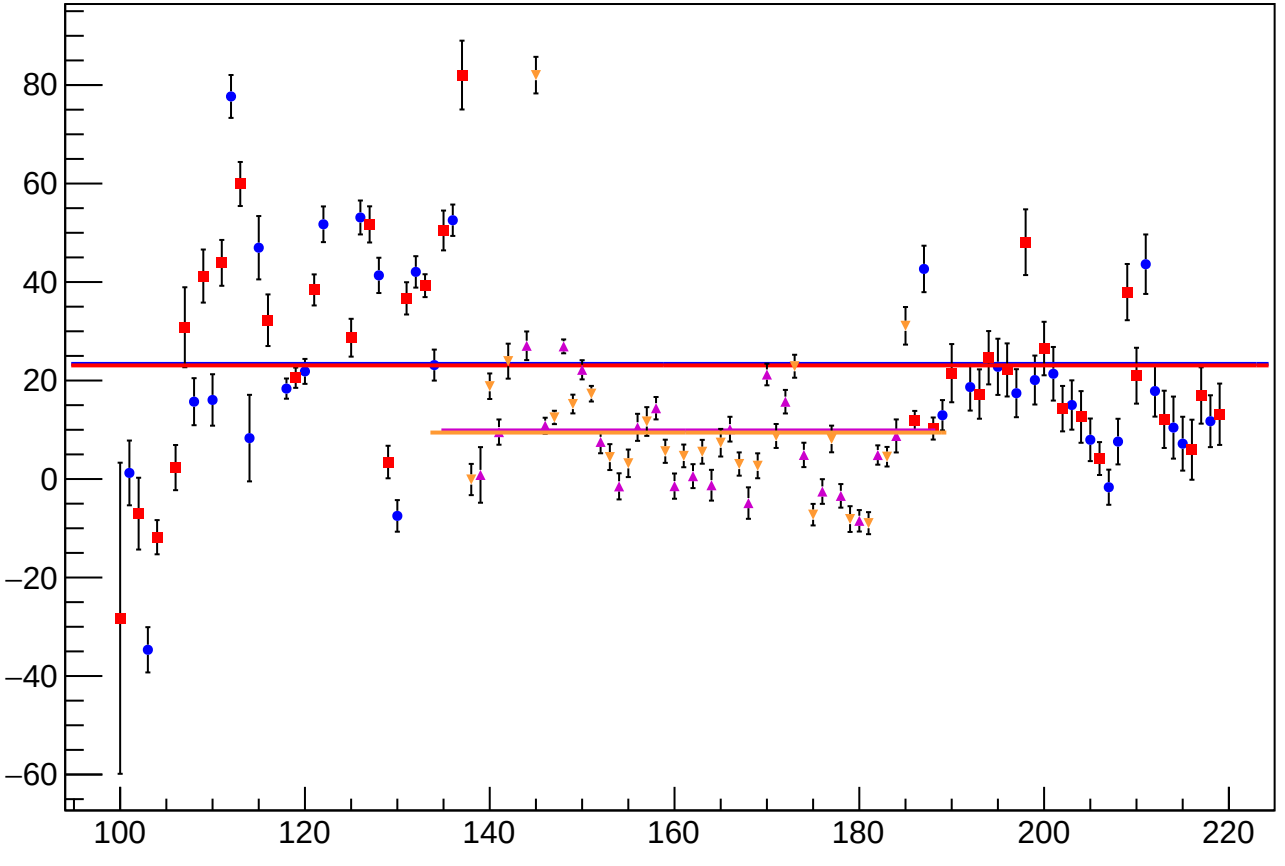
Right: -114.253+/-0.408 χ^2/NDF: 13102.3/66

In: -105.264+/-0.437 χ^2/NDF:8441.1/54

Out: -107.459+/-0.419 χ^2/NDF:10881.9/58

All: -106.407+/-0.302 χ^2/NDF: 19336.2/113

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 23.372+/-0.709 χ^2/NDF: 863.1/31

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 23.075+/-0.667 χ^2/NDF: 691.7/34

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

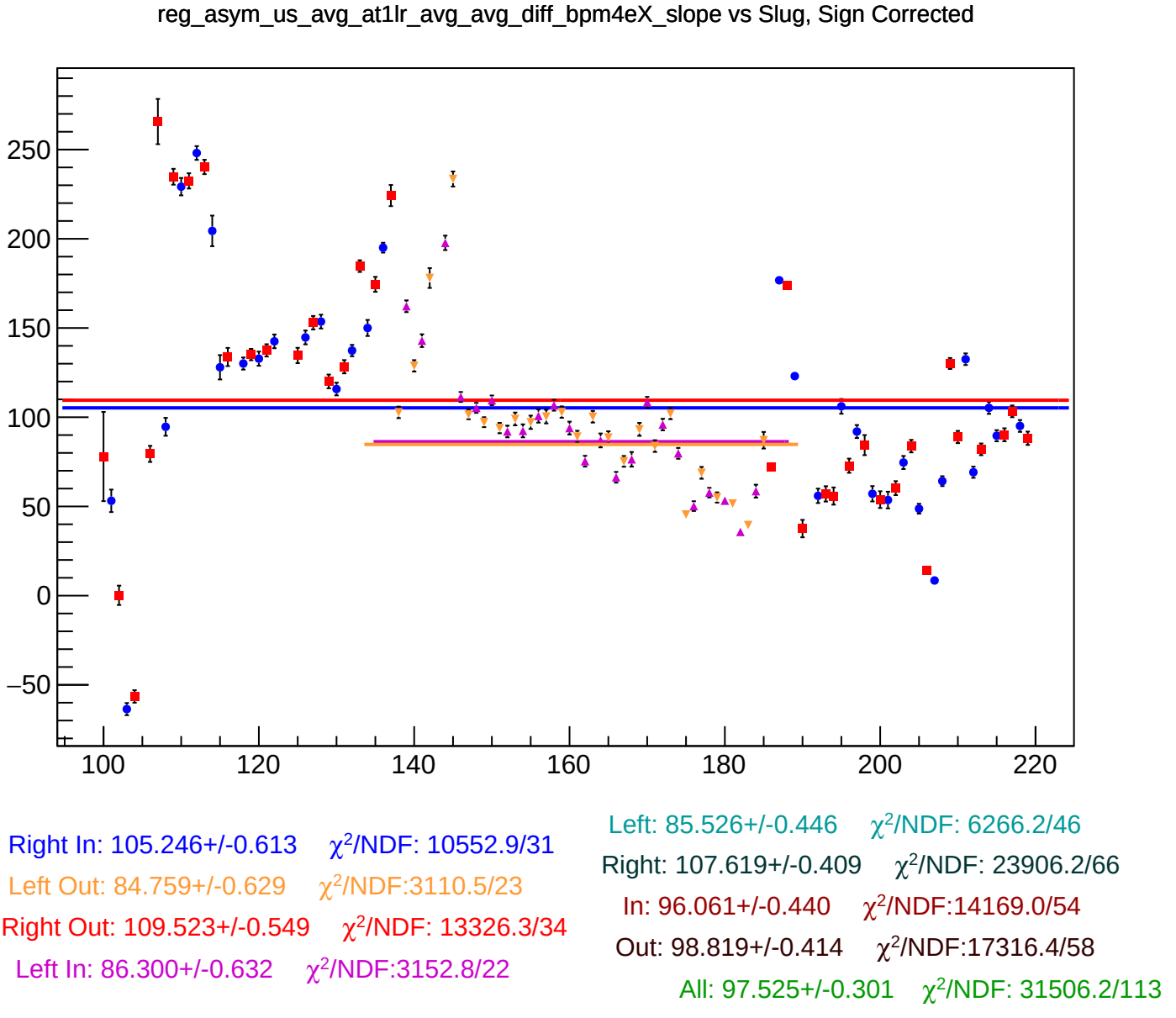
Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

Right: 23.215+/-0.486 χ^2/NDF: 1554.8/66

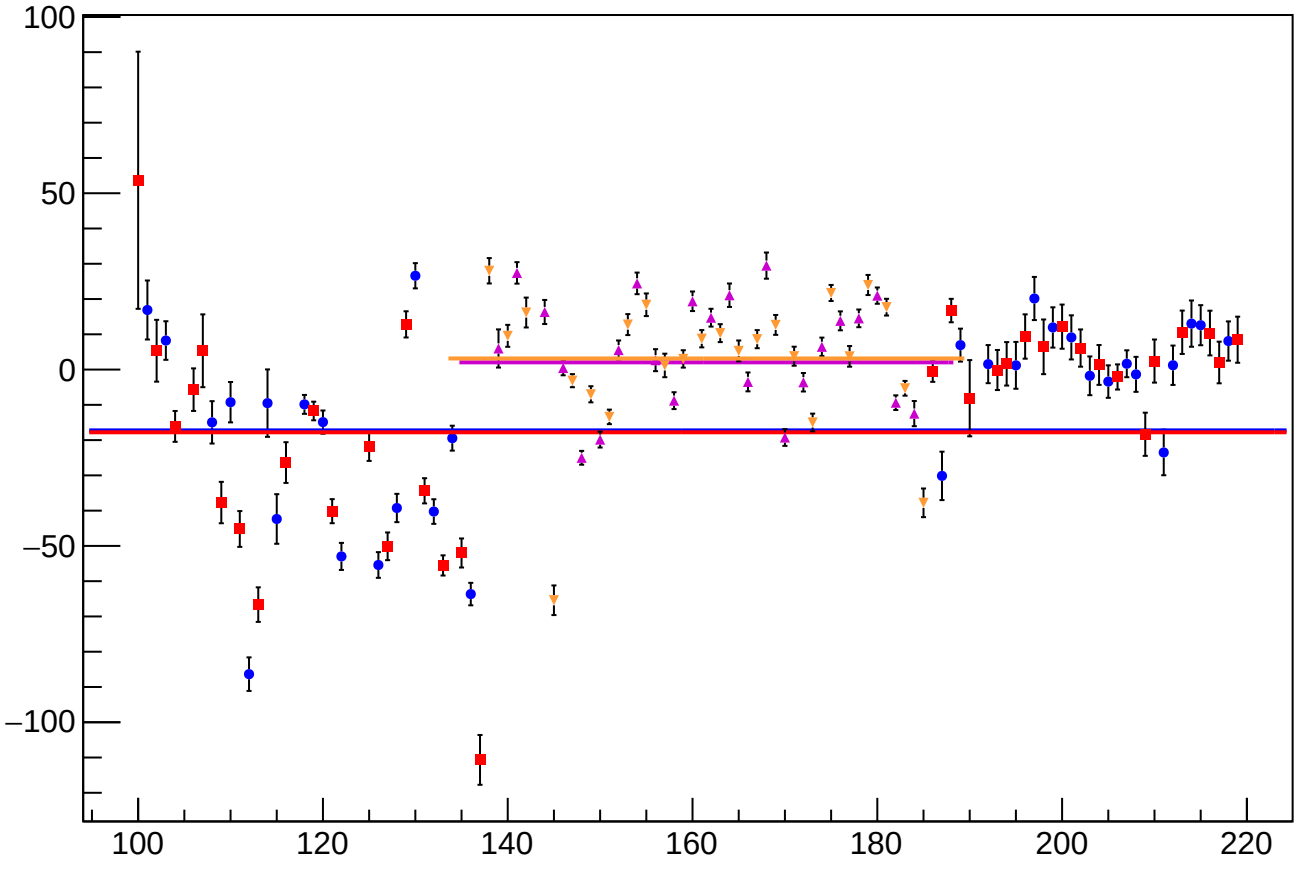
In: 14.186+/-0.401 χ^2/NDF:1595.0/54

Out: 14.062+/-0.389 χ^2/NDF:1704.0/58

All: 14.122+/-0.279 χ^2/NDF: 3299.1/113


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
120
140
160
180
200
220
Right In: 105.246+/-0.613 χ²/NDF: 10552.9/31
Left Out: 84.759+/-0.629 χ²/NDF:3110.5/23
Right Out: 109.523+/-0.549 χ²/NDF: 13326.3/34
Left In: 86.300+/-0.632 χ²/NDF:3152.8/22
Left: 85.526+/-0.446 χ²/NDF: 6266.2/46
Right: 107.619+/-0.409 χ²/NDF: 23906.2/66
In: 96.061+/-0.440 χ²/NDF:14169.0/54
Out: 98.819+/-0.414 χ²/NDF:17316.4/58
All: 97.525+/-0.301 χ²/NDF: 31506.2/113

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -17.244+/-0.818 χ^2/NDF: 1170.1/31

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -17.782+/-0.794 χ^2/NDF: 1128.5/34

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

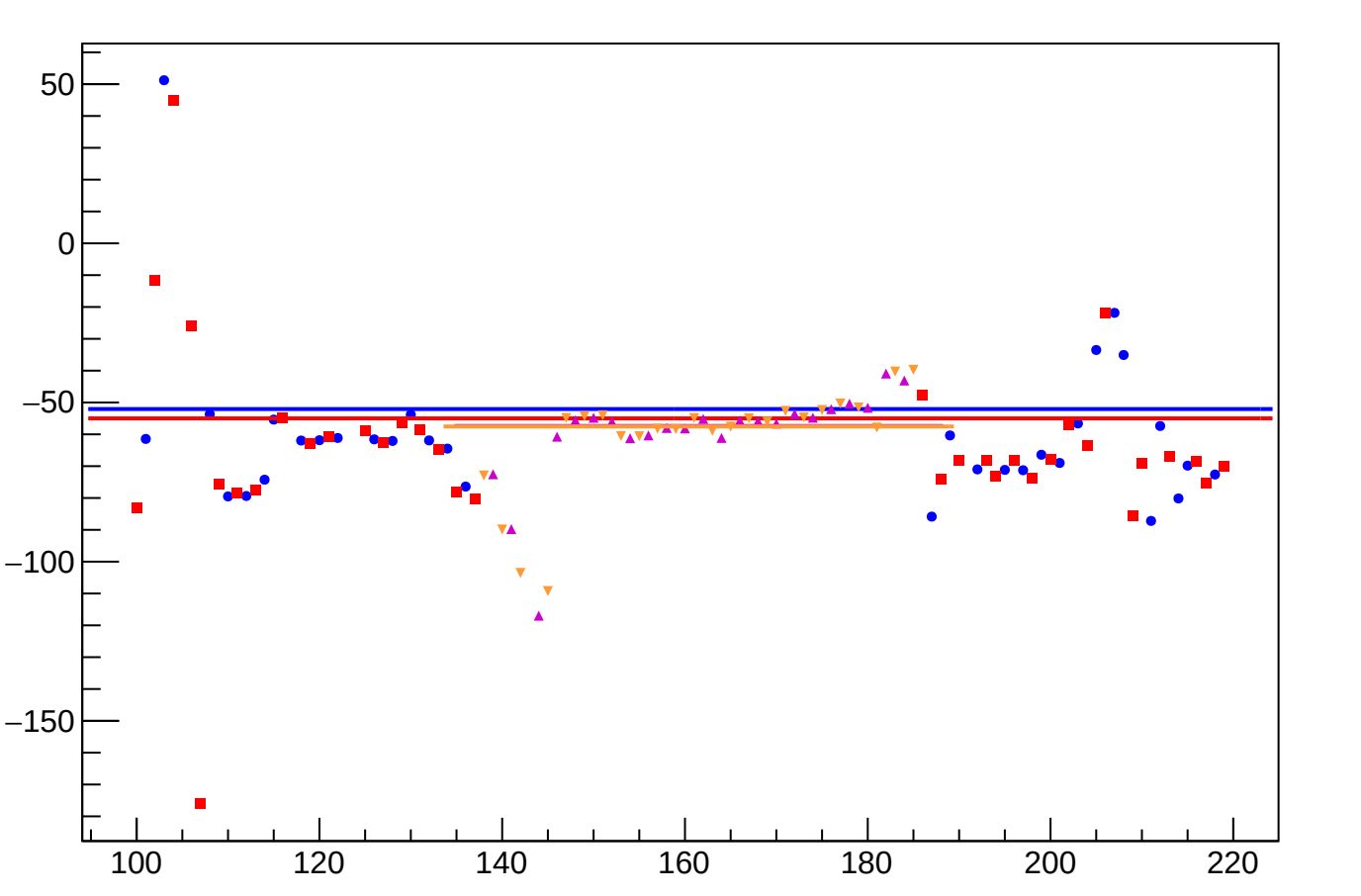
Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

Right: -17.521+/-0.570 χ^2/NDF: 2298.9/66

In: -3.976+/-0.457 χ^2/NDF:2403.9/54

Out: -3.532+/-0.449 χ^2/NDF:2415.5/58

All: -3.750+/-0.320 χ^2/NDF: 4819.9/113



Right In: -52.053+/-0.040 χ^2/NDF: 733579.0/31

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -54.993+/-0.040 χ^2/NDF: 643350.9/34

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

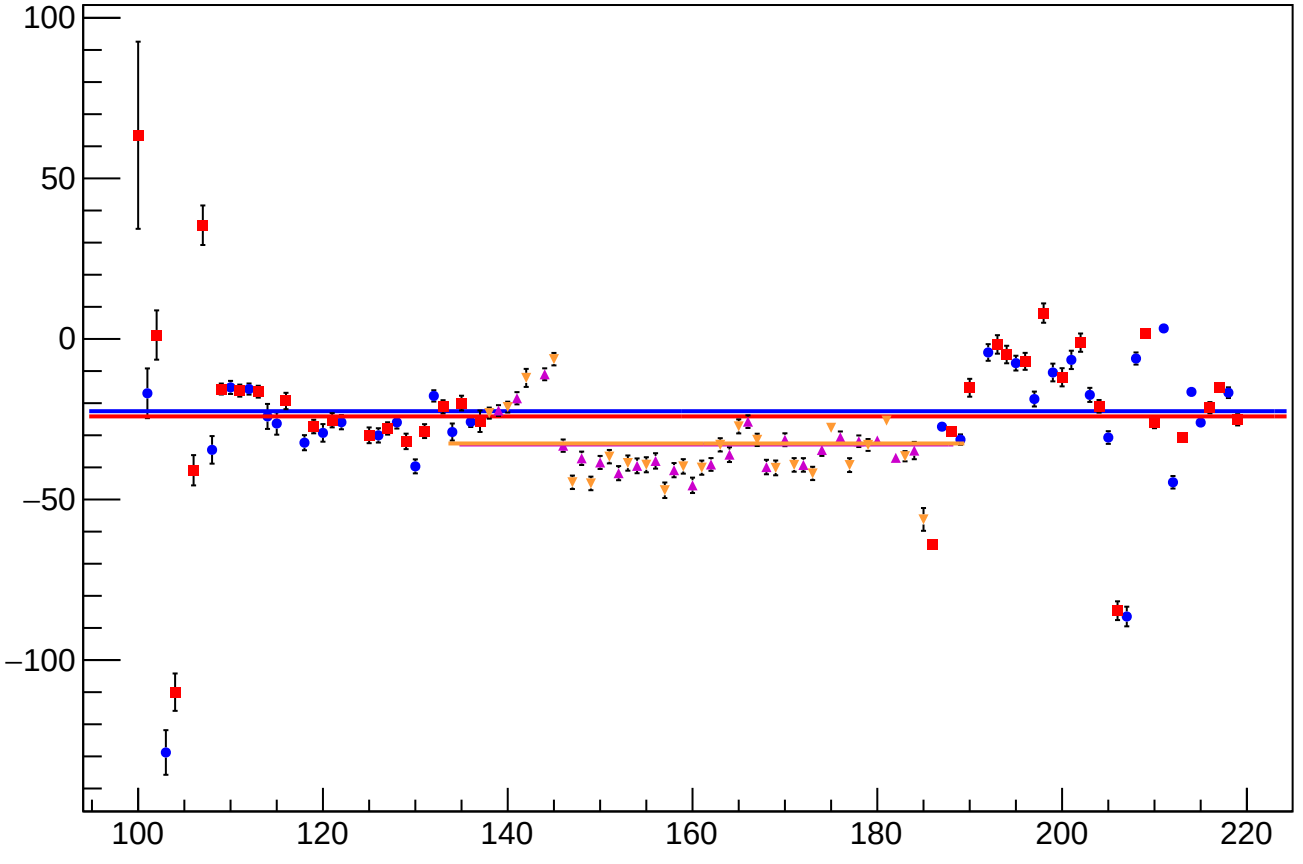
Right: -53.518+/-0.028 χ^2/NDF: 1379685.5/66

In: -55.877+/-0.021 χ^2/NDF:973744.1/54

Out: -56.820+/-0.021 χ^2/NDF:913328.1/58

All: -56.348+/-0.015 χ^2/NDF: 1888081.6/113

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -22.497+/-0.369 χ^2/NDF: 1555.3/31

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -24.122+/-0.345 χ^2/NDF: 2422.2/34

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

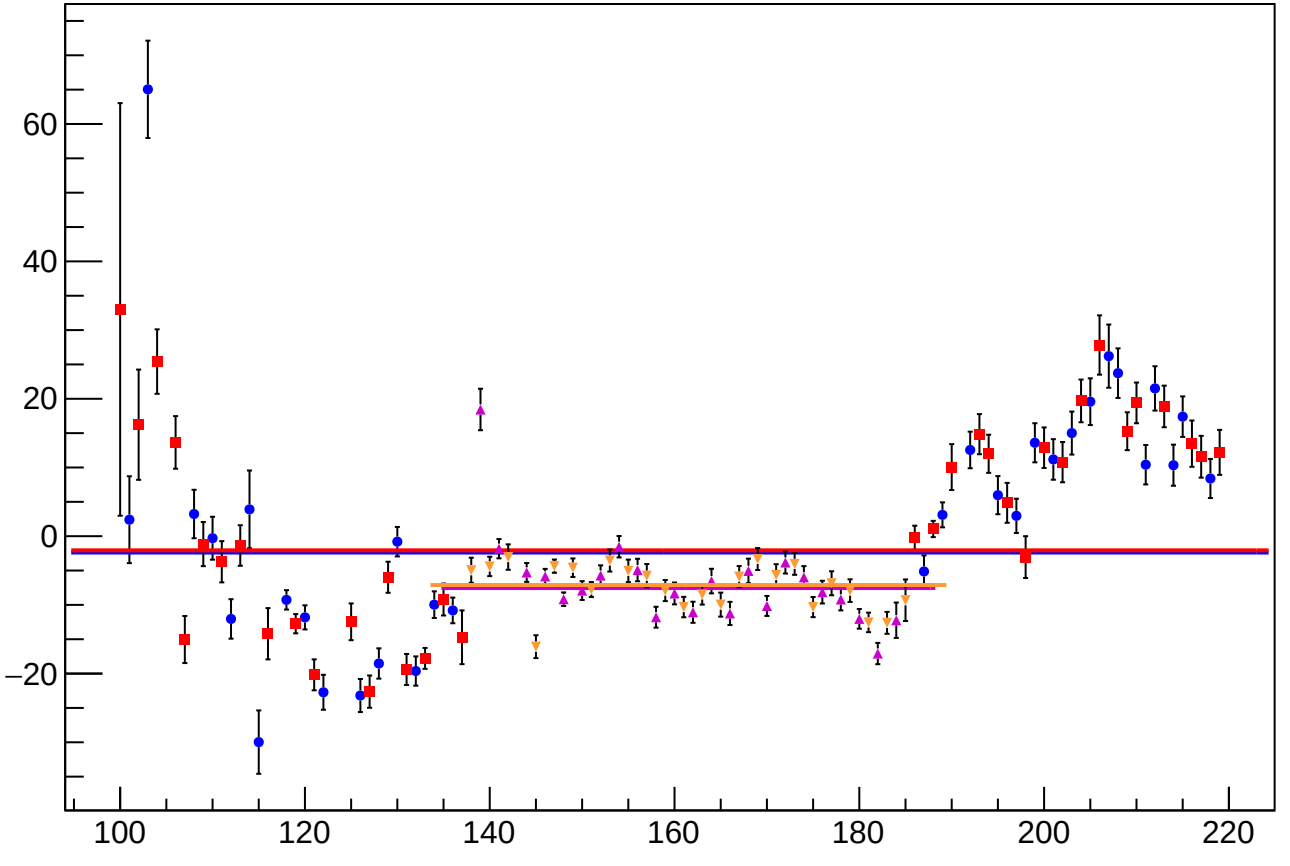
Right: -23.363+/-0.252 χ^2/NDF: 3987.8/66

In: -27.118+/-0.275 χ^2/NDF:2280.9/54

Out: -27.652+/-0.263 χ^2/NDF:3275.4/58

All: -27.396+/-0.190 χ^2/NDF: 5558.3/113

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.378+/-0.456 χ^2/NDF: 913.2/31

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -2.062+/-0.432 χ^2/NDF: 914.8/34

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

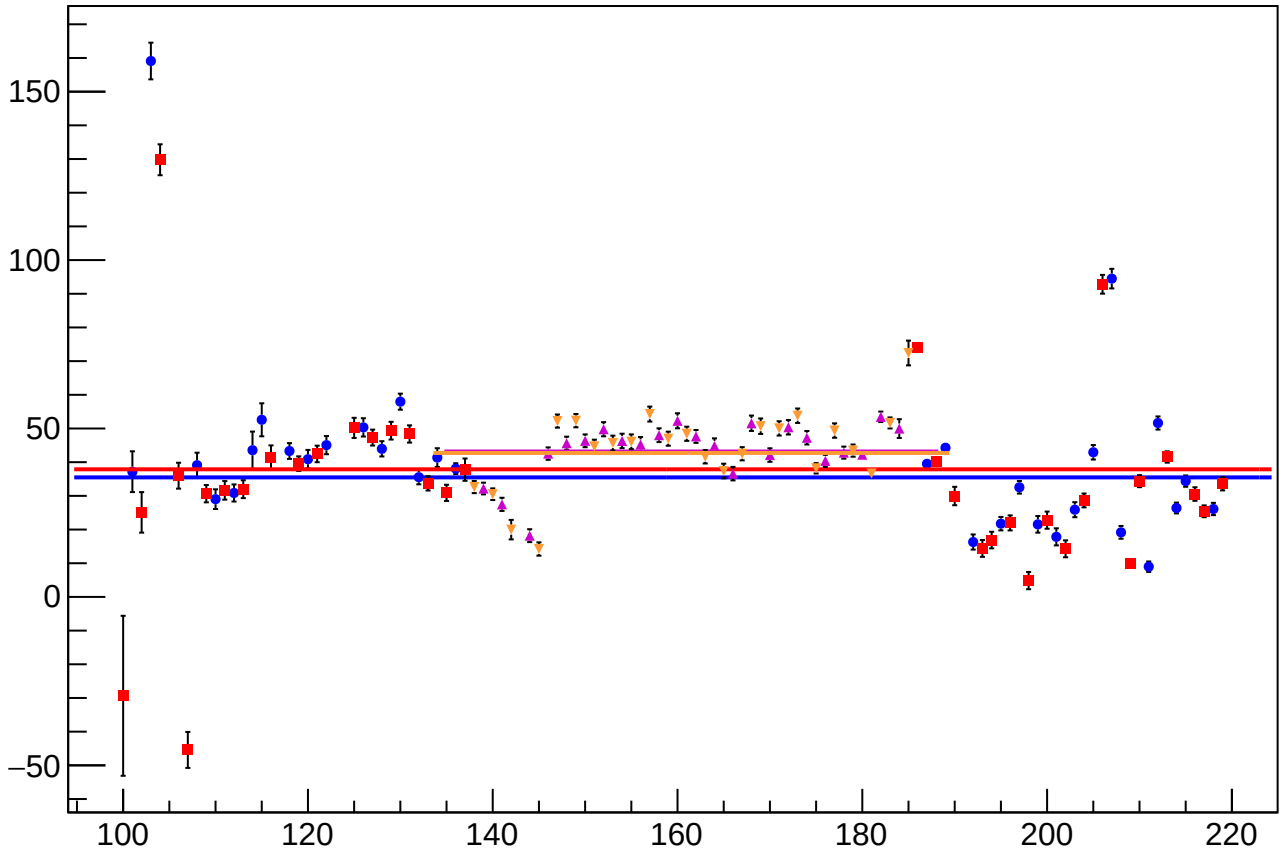
Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

Right: -2.212+/-0.314 χ^2/NDF: 1828.3/66

In: -5.875+/-0.259 χ^2/NDF:1199.9/54

Out: -5.402+/-0.252 χ^2/NDF:1114.5/58

All: -5.632+/-0.181 χ^2/NDF: 2316.1/113



Right In: 35.485+/-0.377 χ^2/NDF: 1898.1/31

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 37.885+/-0.343 χ^2/NDF: 3149.7/34

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

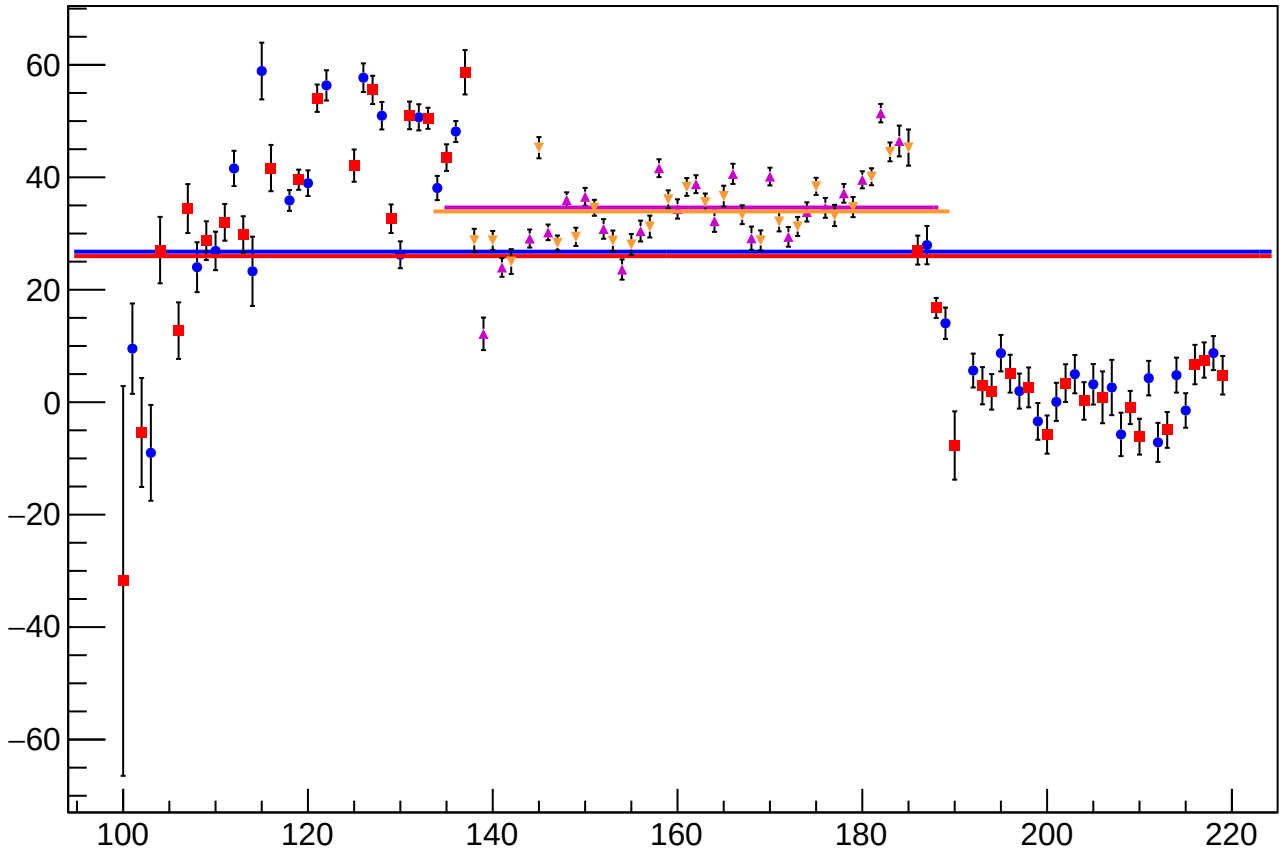
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 36.799+/-0.254 χ^2/NDF: 5070.0/66

In: 39.031+/-0.277 χ^2/NDF:2502.9/54

Out: 39.923+/-0.261 χ^2/NDF:3865.5/58

All: 39.503+/-0.190 χ^2/NDF: 6374.0/113



Right In: 26.773+/-0.525 χ^2/NDF: 1578.6/31

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

Right Out: 25.978+/-0.512 χ^2/NDF: 1658.3/34

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

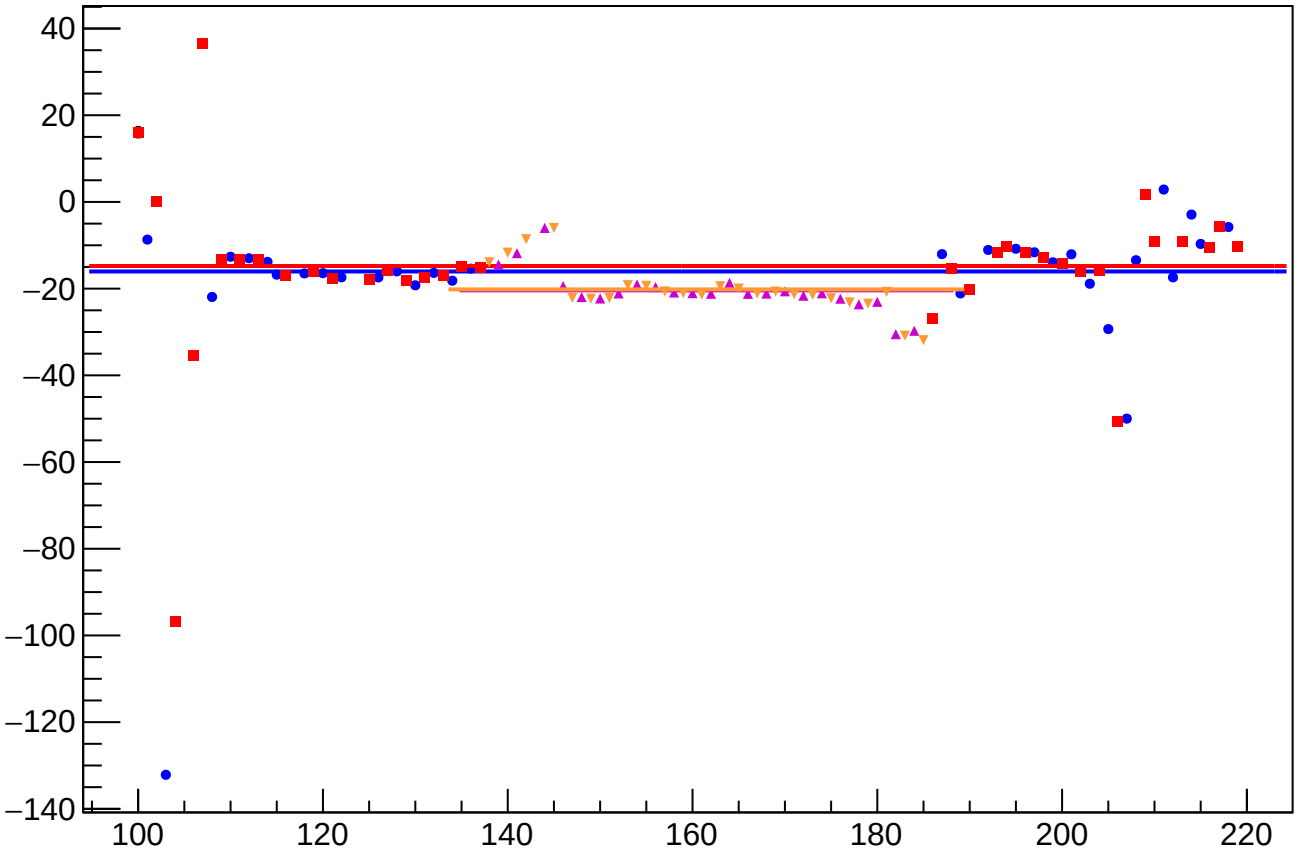
Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

Right: 26.365+/-0.367 χ^2/NDF: 3238.1/66

In: 32.151+/-0.295 χ^2/NDF:2107.6/54

Out: 31.390+/-0.289 χ^2/NDF:2039.0/58

All: 31.764+/-0.207 χ^2/NDF: 4150.0/113



Right In: -16.039+/-0.026 χ^2/NDF: 335885.2/31

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -14.783+/-0.025 χ^2/NDF: 279239.2/34

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

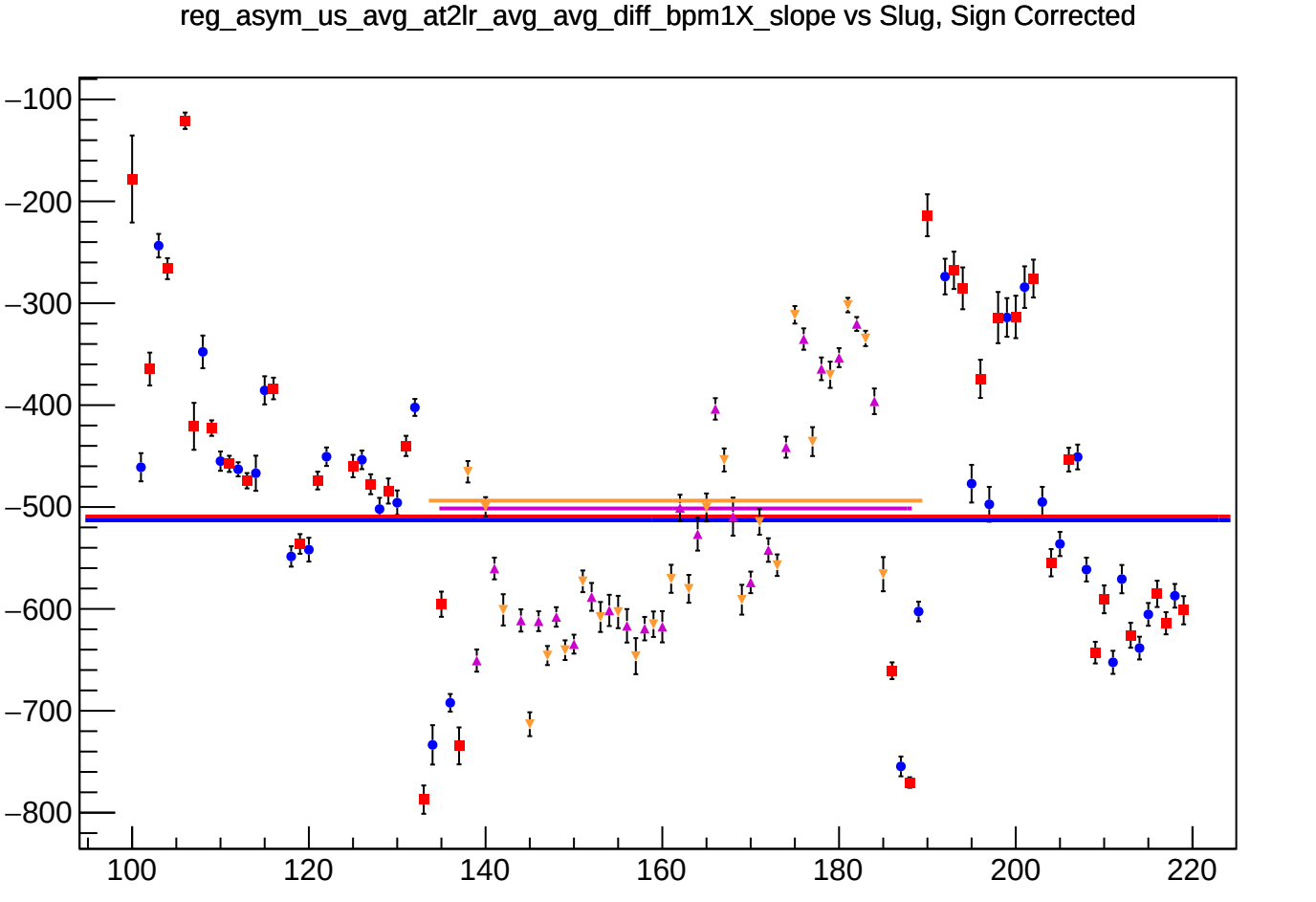
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

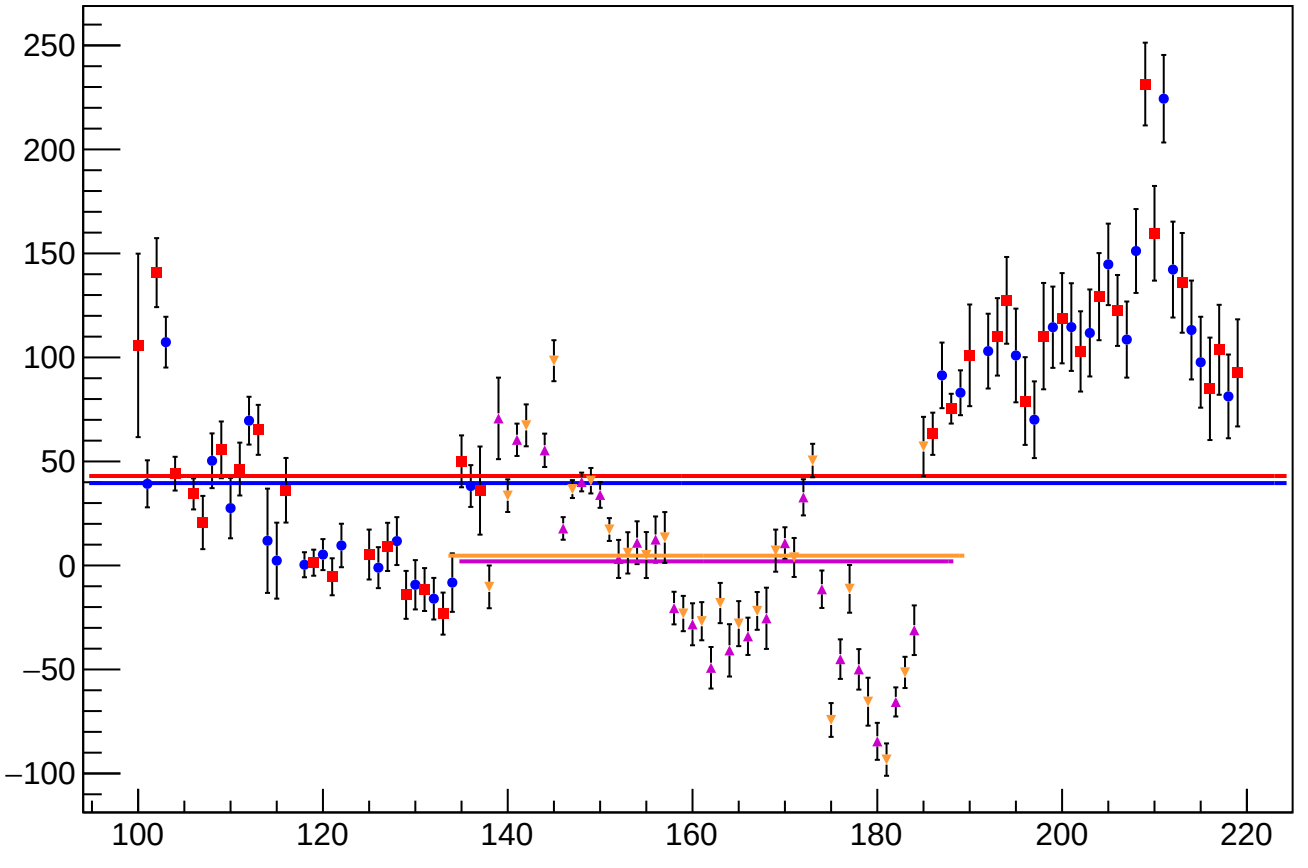
Right: -15.402+/-0.018 χ^2/NDF: 616351.4/66

In: -19.193+/-0.013 χ^2/NDF:438085.5/54

Out: -18.654+/-0.013 χ^2/NDF:412134.2/58

All: -18.922+/-0.009 χ^2/NDF: 851030.6/113


reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
−700
−800
100
120
140
160
180
200
220
Right In: -513.085+/-2.031 χ²/NDF: 3279.9/31
Left Out: -493.722+/-2.295 χ²/NDF:3150.0/23
Right Out: -509.307+/-1.863 χ²/NDF: 8330.4/34
Left In: -501.425+/-2.306 χ²/NDF:2689.3/22
Left: -497.555+/-1.627 χ²/NDF: 5844.9/46
Right: -511.034+/-1.373 χ²/NDF: 11612.2/66
In: -507.992+/-1.524 χ²/NDF:5983.6/54
Out: -503.114+/-1.447 χ²/NDF:11508.2/58
All: -505.426+/-1.049 χ²/NDF: 17497.2/113



Right In: 39.596+/-2.305 χ^2/NDF: 479.3/31

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 43.001+/-2.152 χ^2/NDF: 509.5/34

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

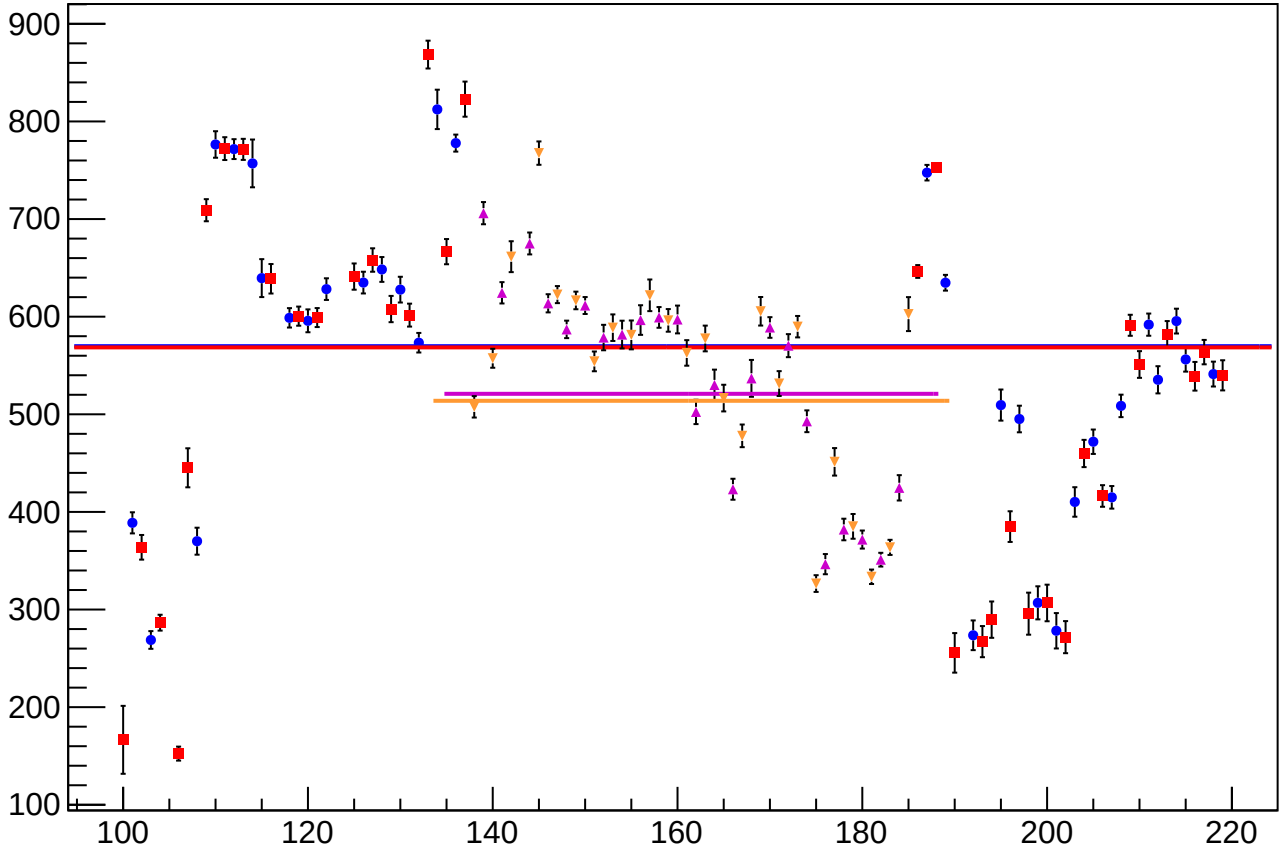
Right: 41.415+/-1.573 χ^2/NDF: 990.0/66

In: 15.448+/-1.379 χ^2/NDF:1211.2/54

Out: 19.375+/-1.332 χ^2/NDF:1385.2/58

All: 17.480+/-0.958 χ^2/NDF: 2600.5/113

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 569.787+/-2.107 χ^2/NDF: 5021.0/31

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 568.544+/-1.876 χ^2/NDF: 10681.7/34

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

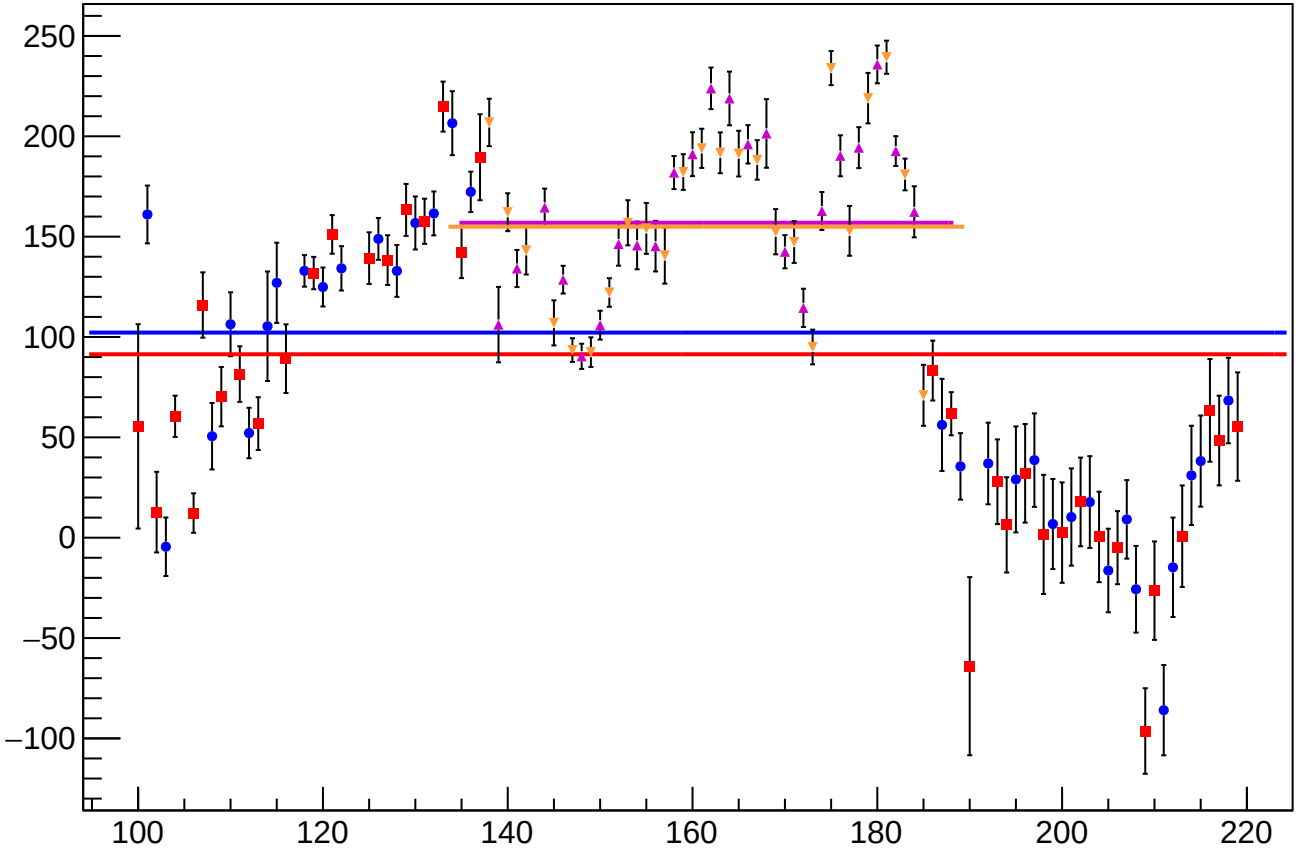
Right: 569.094+/-1.401 χ^2/NDF: 15702.9/66

In: 547.343+/-1.548 χ^2/NDF:7710.5/54

Out: 546.423+/-1.448 χ^2/NDF:13761.1/58

All: 546.852+/-1.058 χ^2/NDF: 21471.8/113

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 102.200+/-2.686 χ^2/NDF: 583.0/31

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 91.396+/-2.562 χ^2/NDF: 639.1/34

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

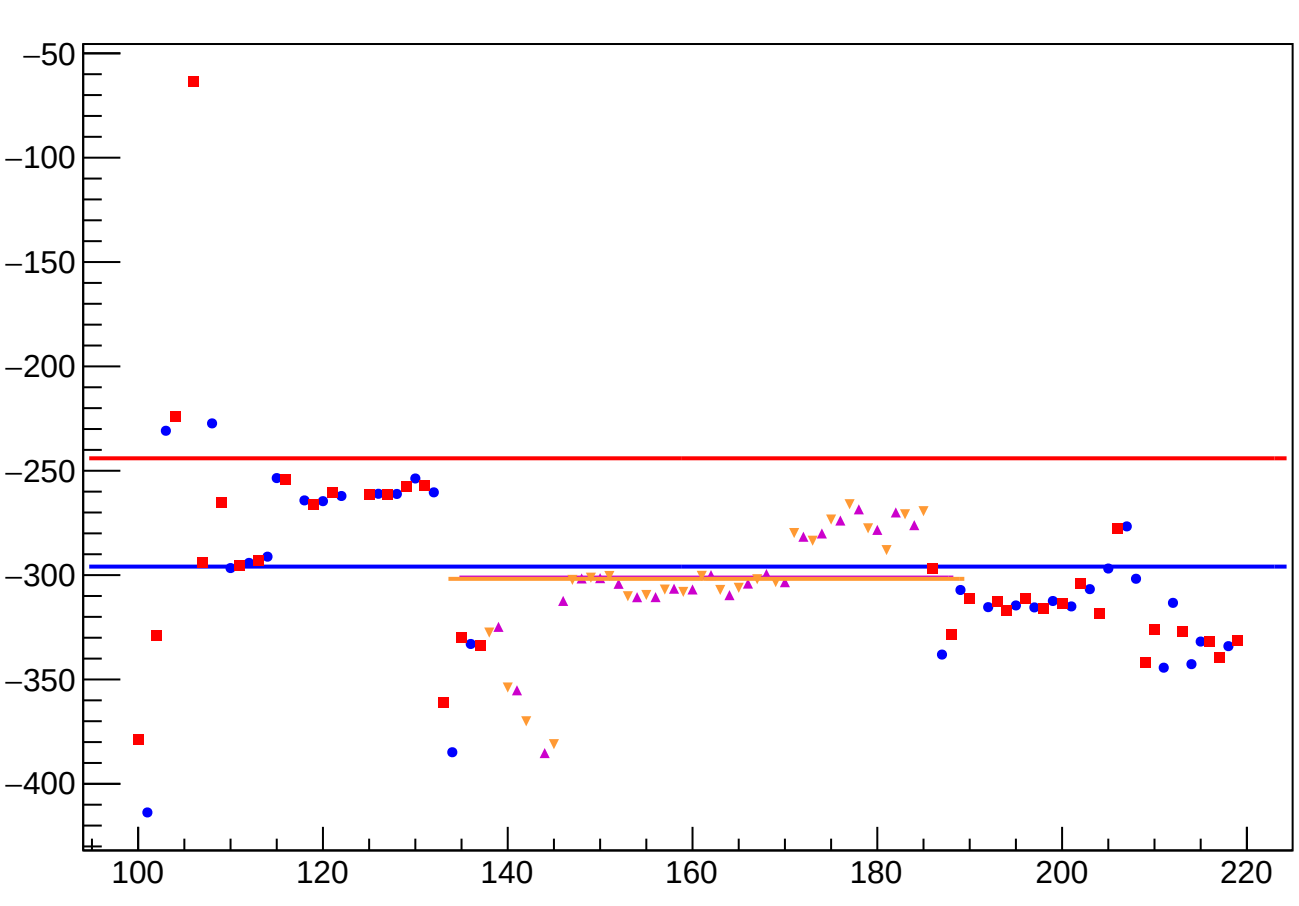
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 96.544+/-1.854 χ^2/NDF: 1230.6/66

In: 137.771+/-1.589 χ^2/NDF:1296.2/54

Out: 131.588+/-1.553 χ^2/NDF:1637.2/58

All: 134.609+/-1.111 χ^2/NDF: 2941.1/113



Right In: -295.920+/-0.137 χ^2/NDF: 119454.5/31

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -244.032+/-0.121 χ^2/NDF: 715929.5/34

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

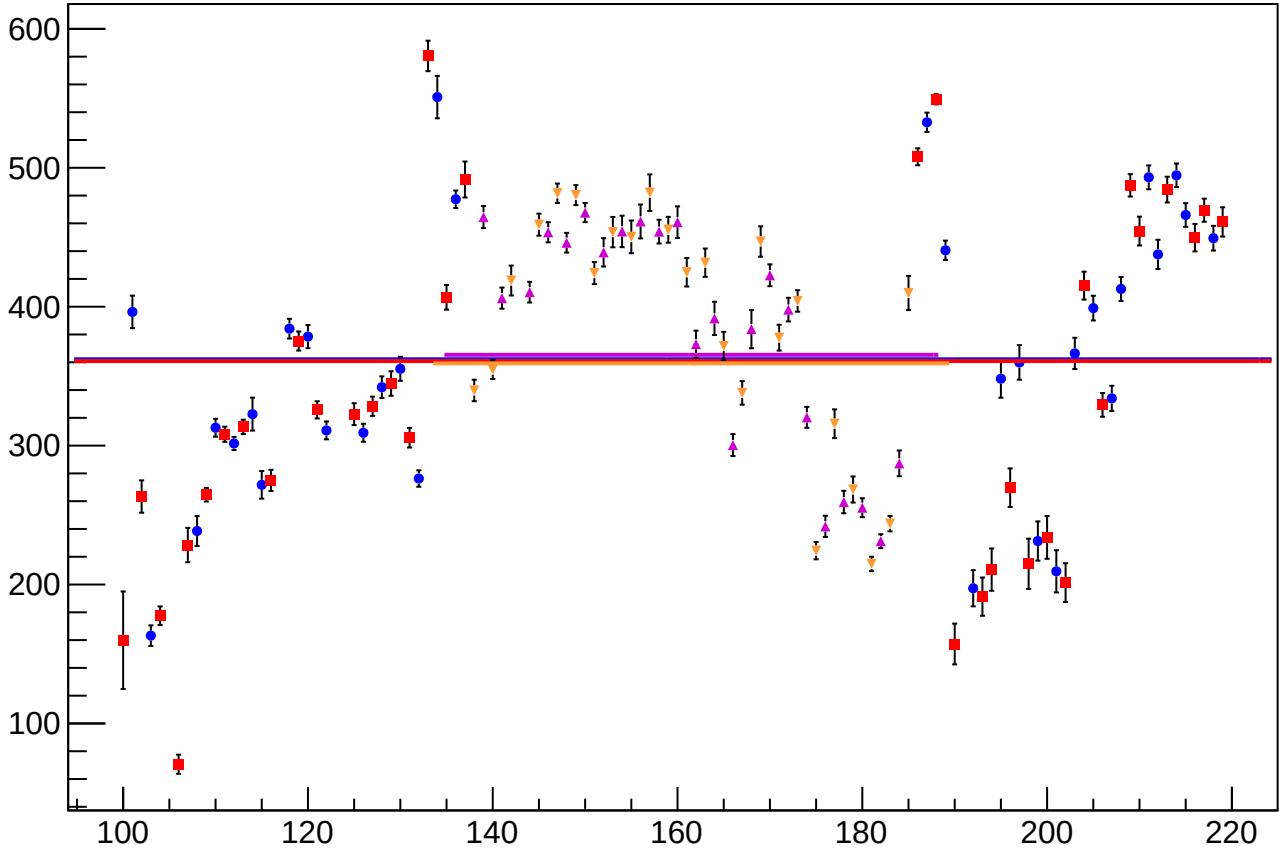
Right: -266.775+/-0.091 χ^2/NDF: 916076.9/66

In: -299.589+/-0.075 χ^2/NDF:195808.6/54

Out: -280.967+/-0.073 χ^2/NDF:948509.4/58

All: -289.949+/-0.052 χ^2/NDF: 1176049.0/11

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 362.141+/-1.462 χ^2/NDF: 3932.4/31

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

Right Out: 360.919+/-1.336 χ^2/NDF: 8995.3/34

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

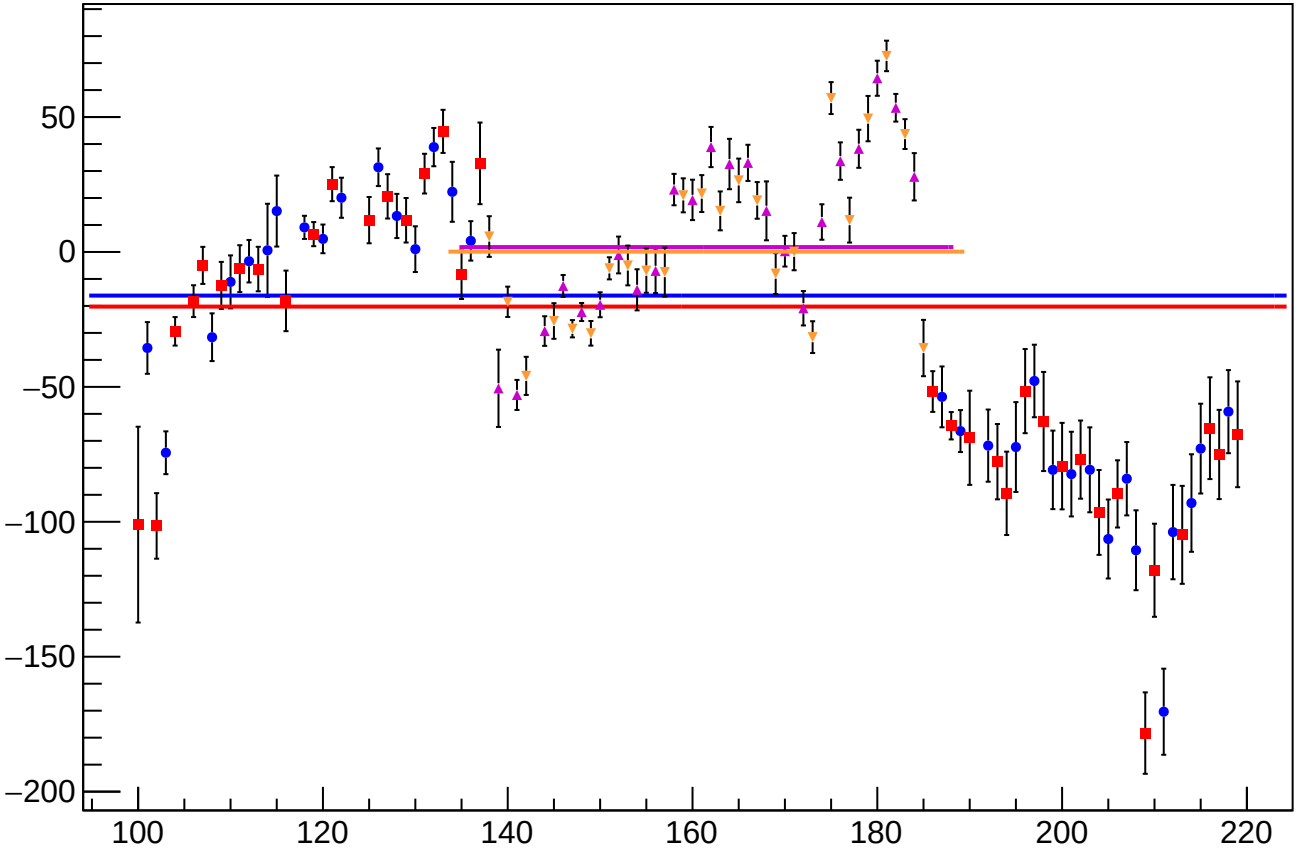
Right: 361.475+/-0.986 χ^2/NDF: 12928.1/66

In: 363.518+/-1.106 χ^2/NDF:6673.9/54

Out: 360.249+/-1.046 χ^2/NDF:12183.9/58

All: 361.792+/-0.760 χ^2/NDF: 18862.4/113

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -16.166+/-1.657 χ^2/NDF: 689.2/31

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -20.243+/-1.531 χ^2/NDF: 747.6/34

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

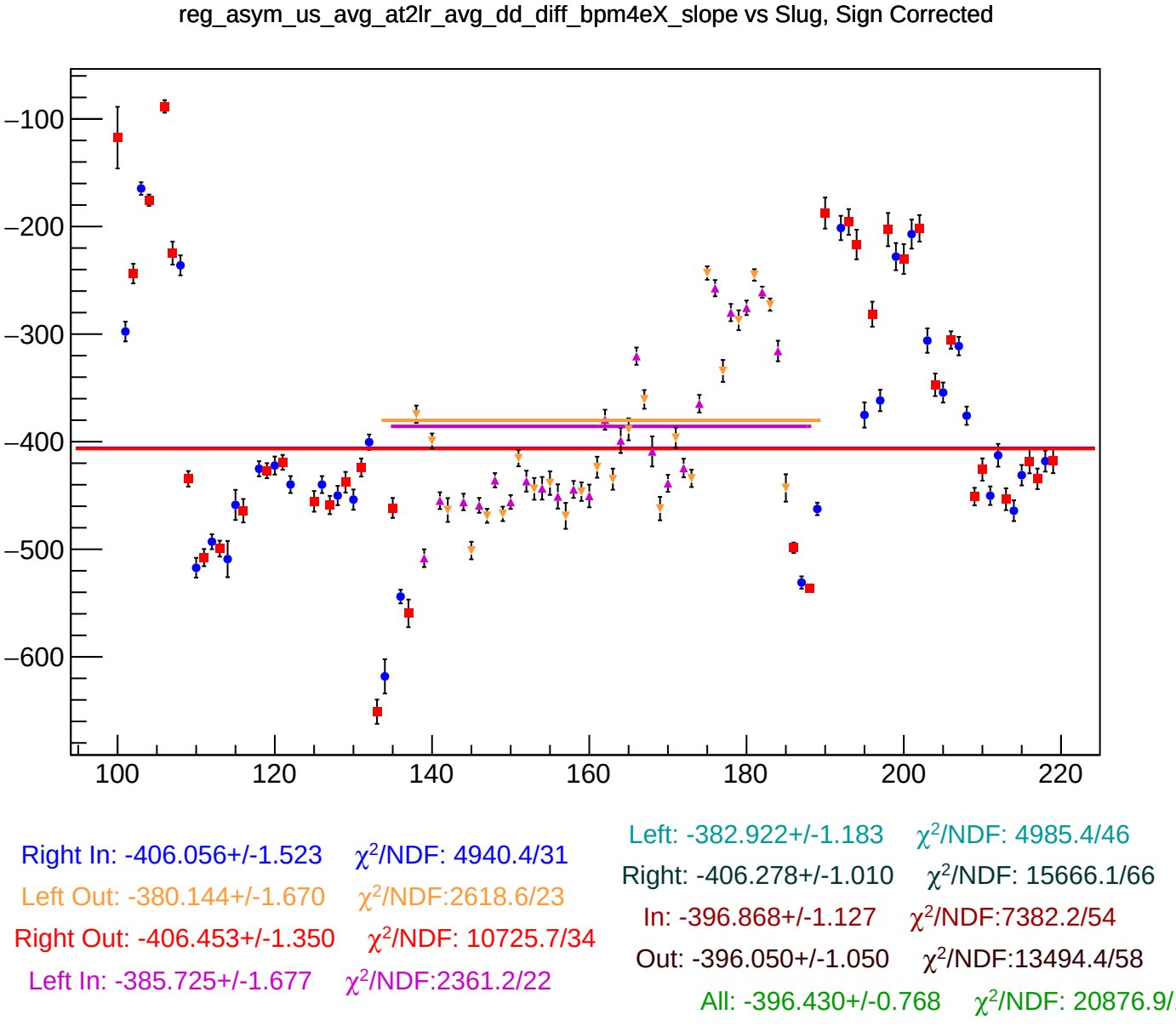
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -18.366+/-1.125 χ^2/NDF: 1440.0/66

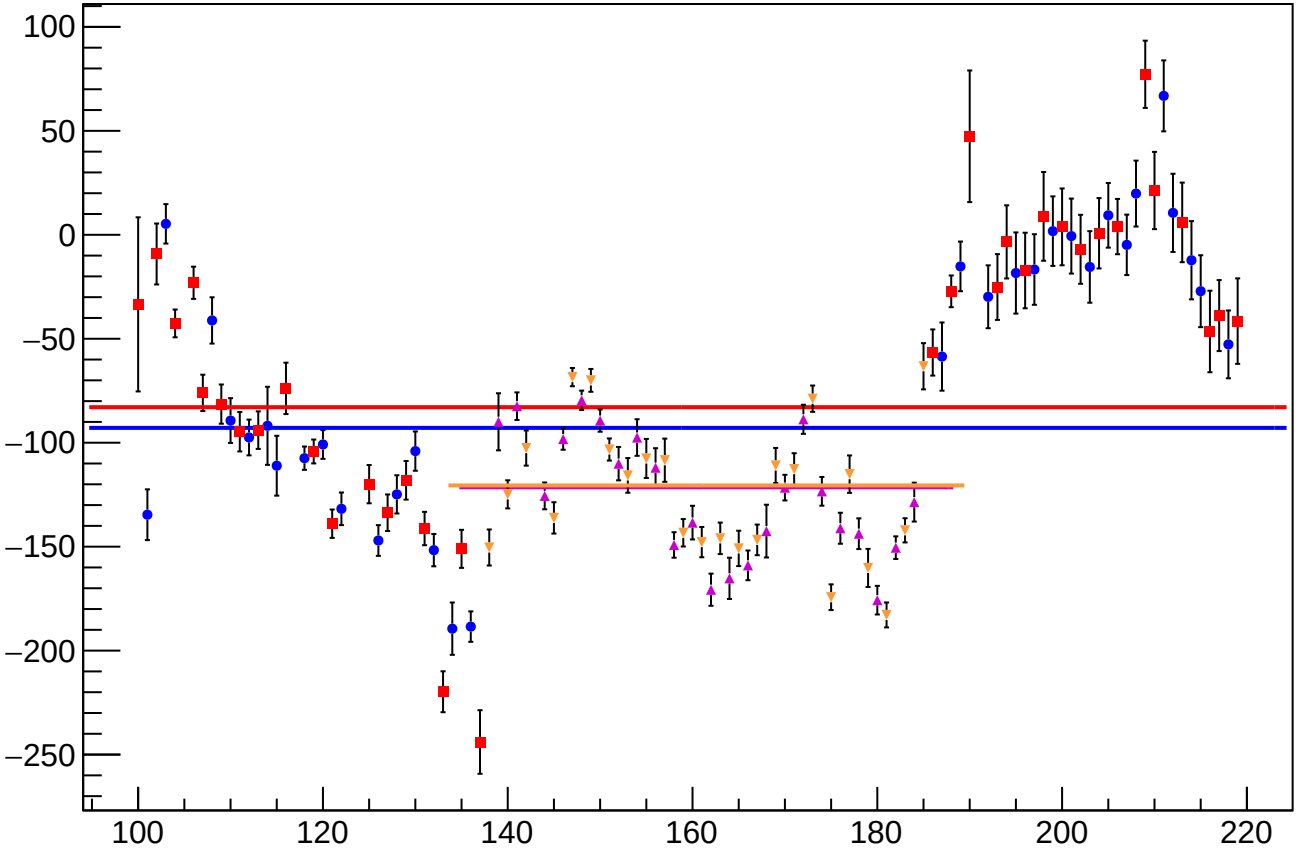
In: -4.818+/-1.007 χ^2/NDF:1340.4/54

Out: -8.005+/-0.967 χ^2/NDF:1491.8/58

All: -6.476+/-0.697 χ^2/NDF: 2837.5/113


reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
100
120
140
160
180
200
220
Right In: -406.056+/-1.523 χ²/NDF: 4940.4/31
Left Out: -380.144+/-1.670 χ²/NDF:2618.6/23
Right Out: -406.453+/-1.350 χ²/NDF: 10725.7/34
Left In: -385.725+/-1.677 χ²/NDF:2361.2/22
Left: -382.922+/-1.183 χ²/NDF: 4985.4/46
Right: -406.278+/-1.010 χ²/NDF: 15666.1/66
In: -396.868+/-1.127 χ²/NDF:7382.2/54
Out: -396.050+/-1.050 χ²/NDF:13494.4/58
All: -396.430+/-0.768 χ²/NDF: 20876.9/113

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -92.860+/-1.932 χ^2/NDF: 993.2/31

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -82.907+/-1.822 χ^2/NDF: 1101.1/34

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

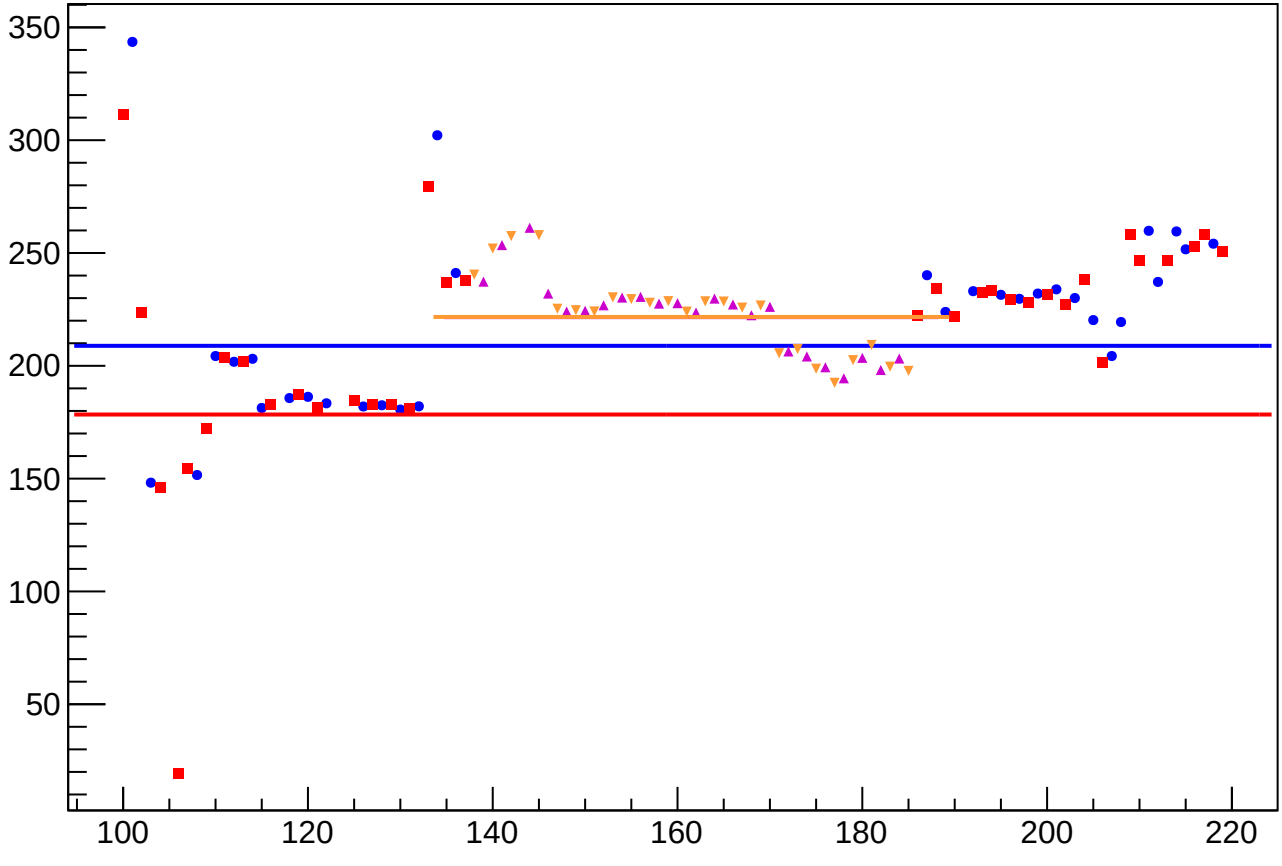
Right: -87.594+/-1.326 χ^2/NDF: 2108.4/66

In: -111.153+/-1.160 χ^2/NDF:1566.0/54

Out: -106.135+/-1.128 χ^2/NDF:1975.8/58

All: -108.574+/-0.808 χ^2/NDF: 3551.4/113

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 208.860+/-0.098 χ^2/NDF: 214597.2/31

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 178.408+/-0.089 χ^2/NDF: 689156.5/34

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

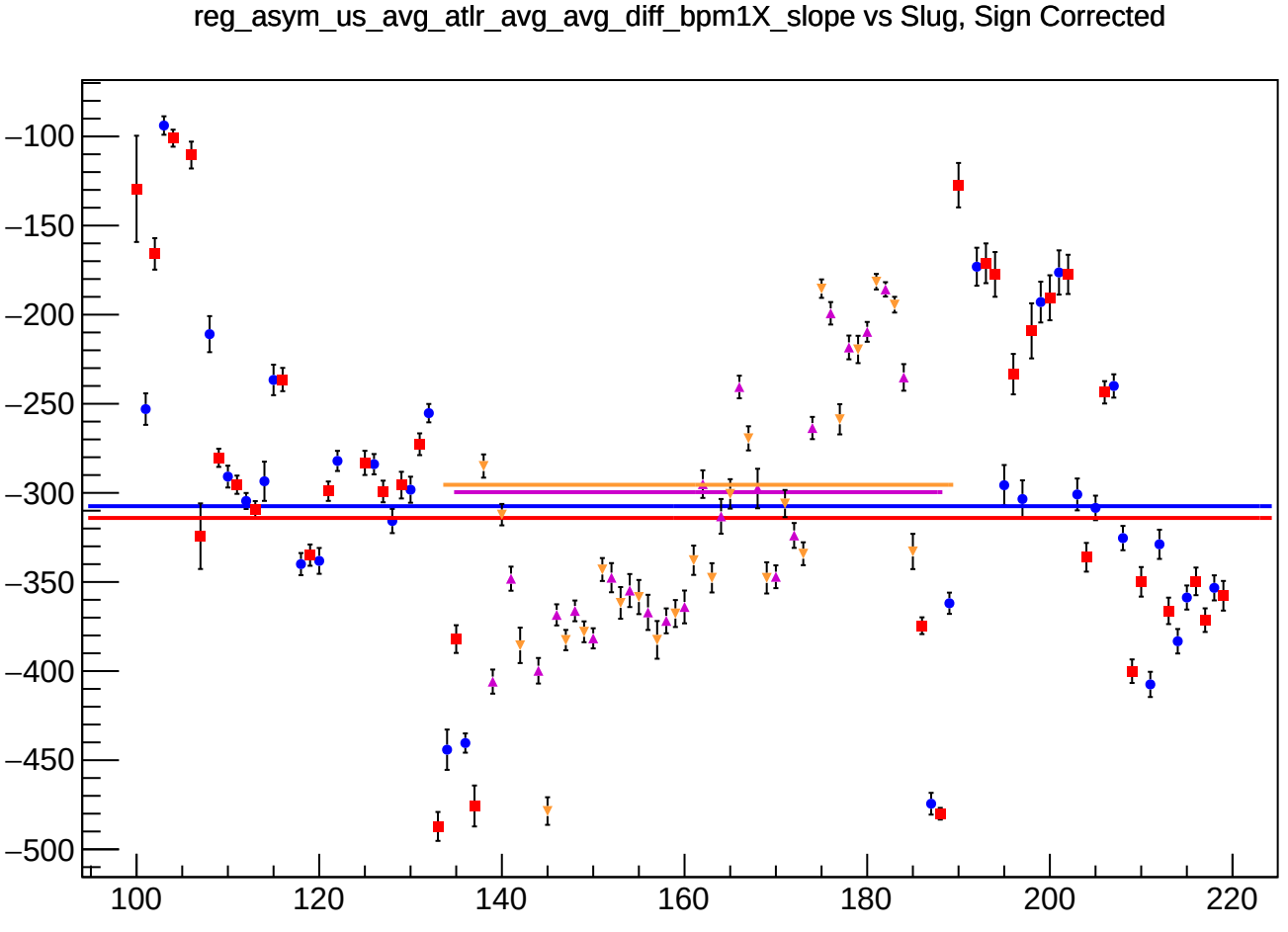
Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

Right: 192.213+/-0.066 χ^2/NDF: 956247.3/66

In: 217.605+/-0.055 χ^2/NDF:288229.6/54

Out: 206.215+/-0.053 χ^2/NDF:906520.8/58

All: 211.758+/-0.038 χ^2/NDF: 1216833.7/113



Right In: -307.464+/-1.234 χ^2/NDF: 4595.8/31

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -314.081+/-1.154 χ^2/NDF: 8141.2/34

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

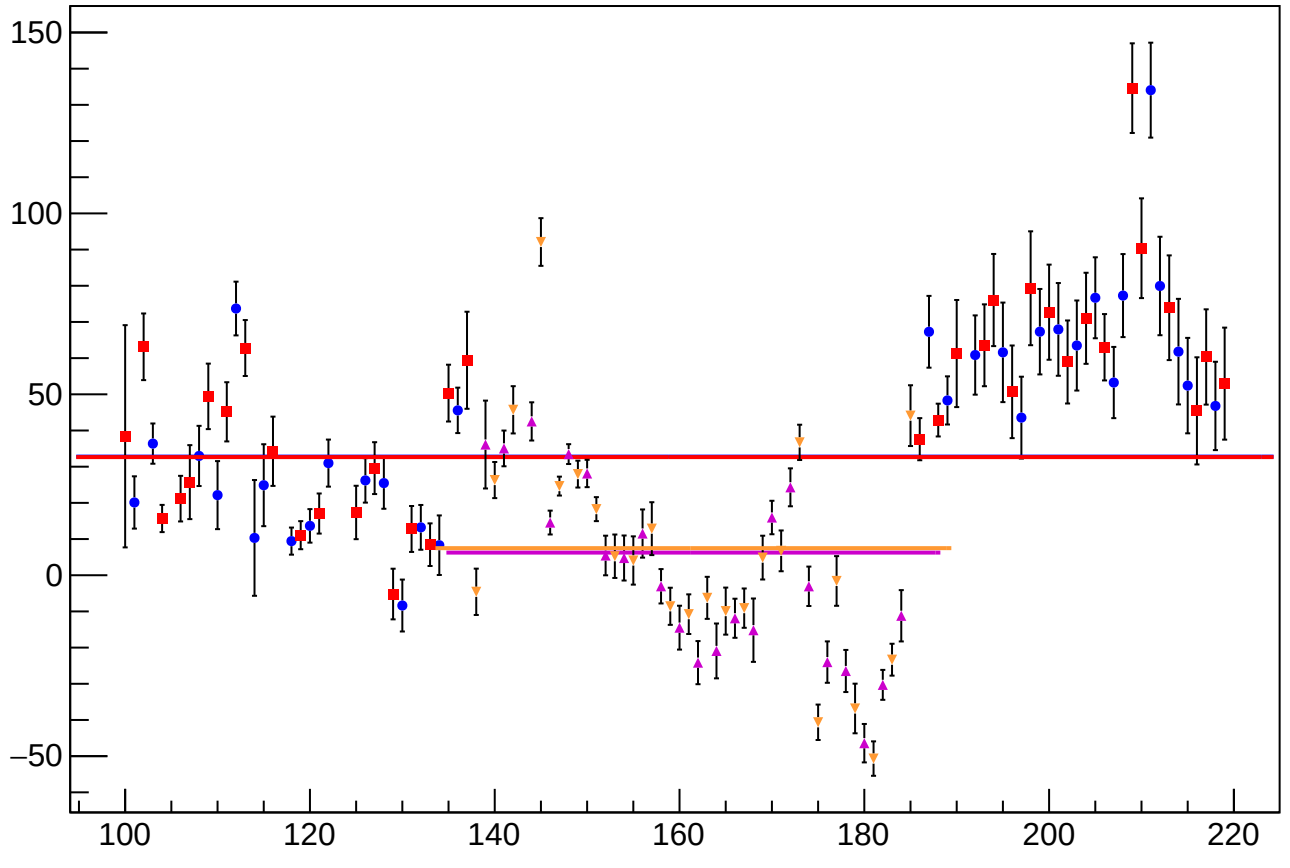
Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

Right: -310.994+/-0.843 χ^2/NDF: 12752.3/66

In: -304.011+/-0.925 χ^2/NDF:7585.4/54

Out: -306.504+/-0.889 χ^2/NDF:11593.4/58

All: -305.308+/-0.641 χ^2/NDF: 19182.6/113



Right In: 32.784+/-1.402 χ^2/NDF: 317.2/31

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 32.648+/-1.318 χ^2/NDF: 339.0/34

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

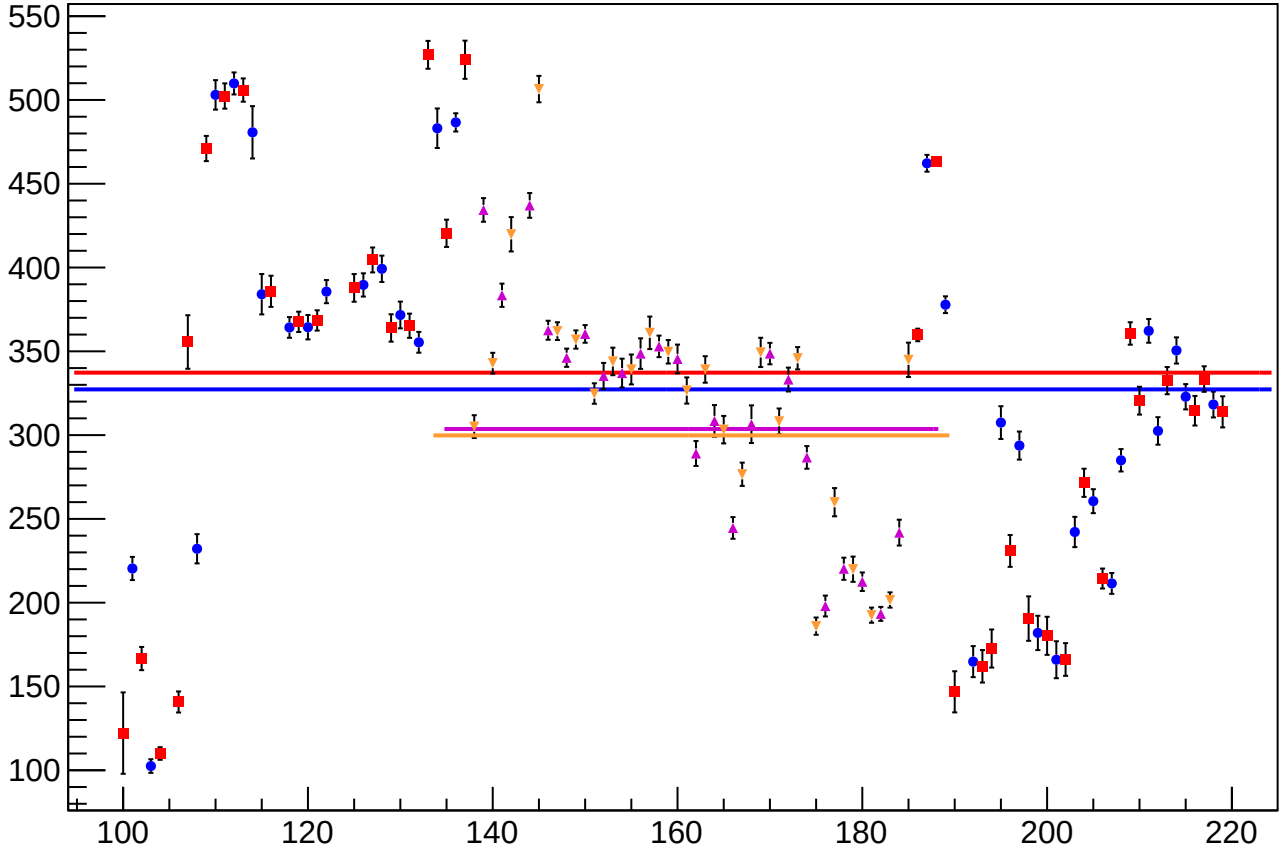
Right: 32.712+/-0.960 χ^2/NDF: 656.2/66

In: 15.733+/-0.838 χ^2/NDF:1106.7/54

Out: 17.018+/-0.811 χ^2/NDF:1303.8/58

All: 16.396+/-0.583 χ^2/NDF: 2411.7/113

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 327.277+/-1.263 χ^2/NDF: 8259.2/31

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 337.269+/-1.148 χ^2/NDF: 12171.0/34

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

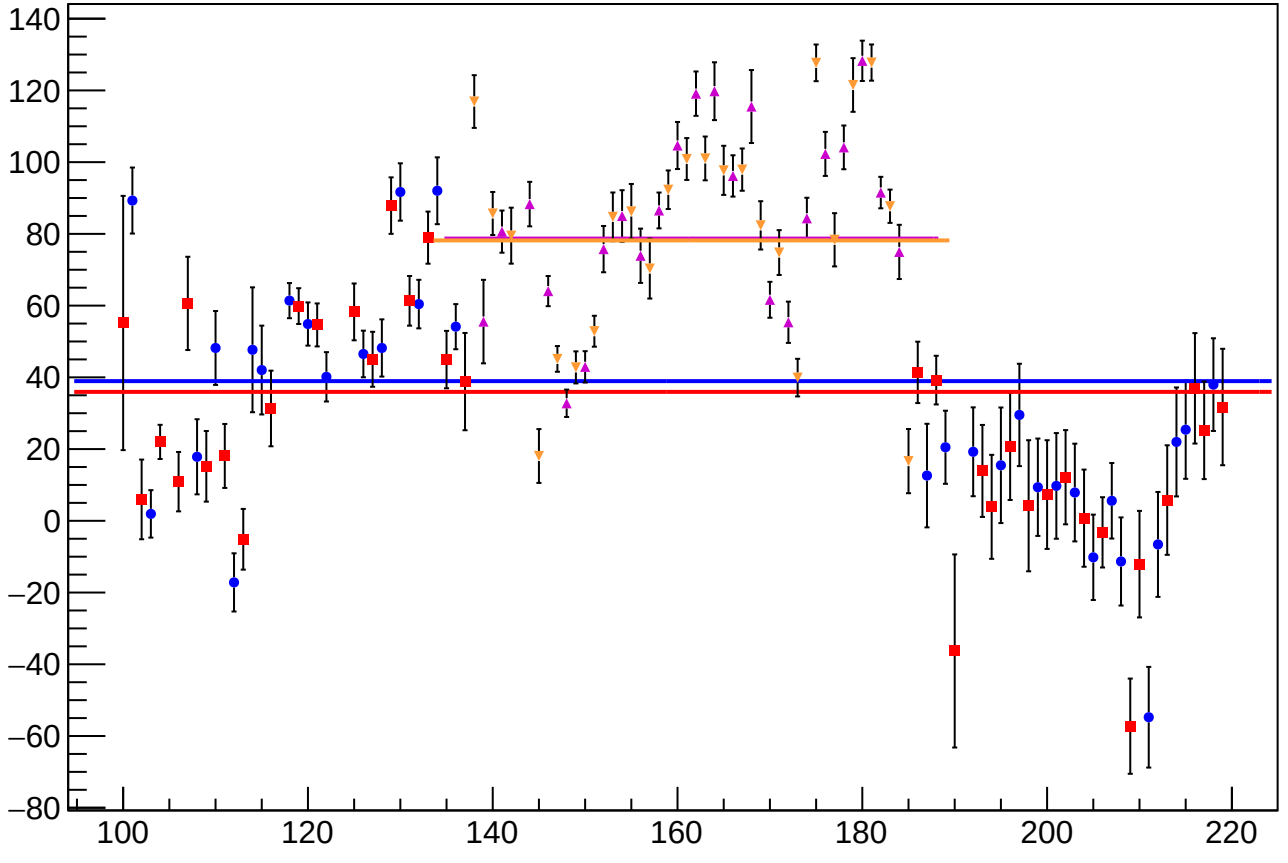
Right: 332.752+/-0.849 χ^2/NDF: 20464.5/66

In: 316.526+/-0.933 χ^2/NDF:11290.9/54

Out: 321.975+/-0.883 χ^2/NDF:15682.0/58

All: 319.401+/-0.641 χ^2/NDF: 26990.9/113

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 38.946+/-1.632 χ^2/NDF: 362.7/31

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 35.950+/-1.569 χ^2/NDF: 310.2/34

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

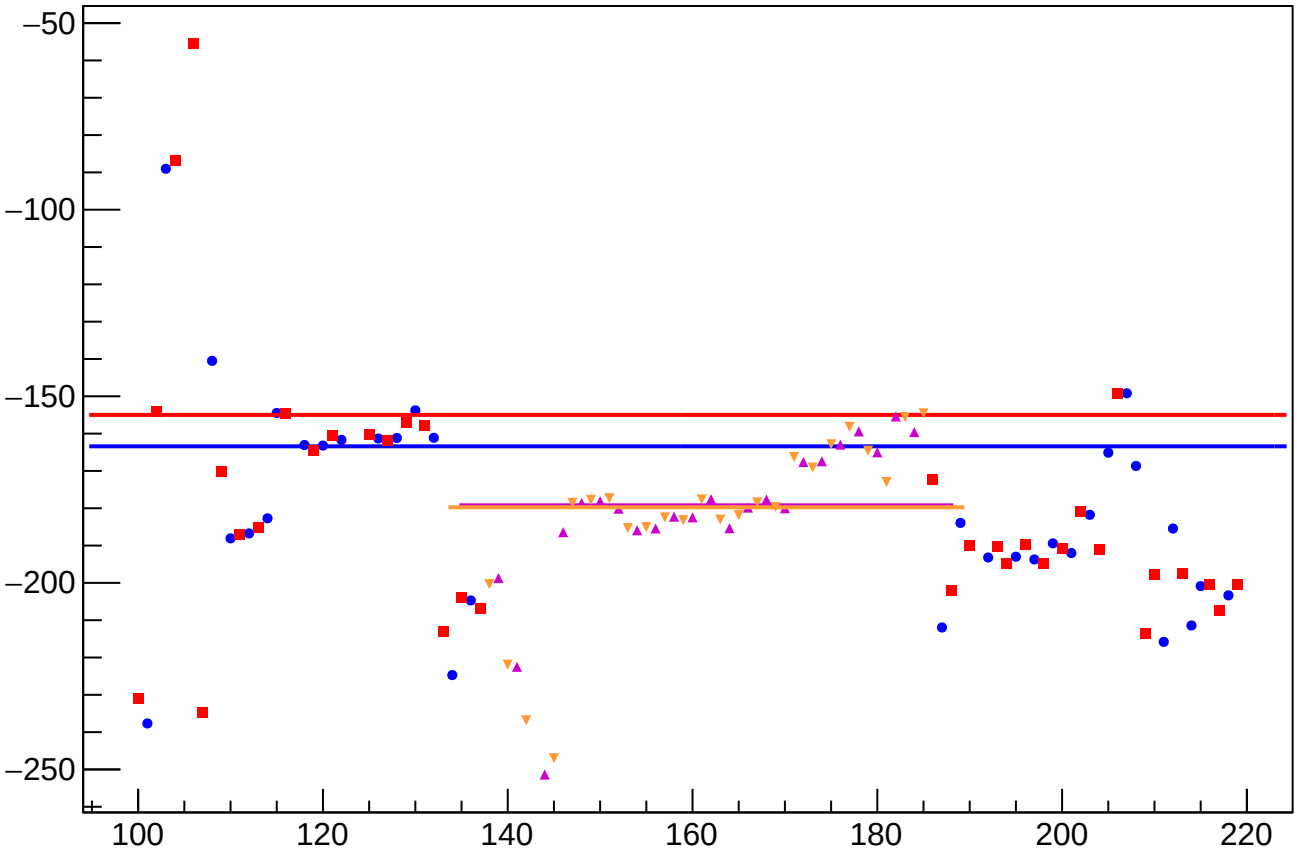
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 37.389+/-1.131 χ^2/NDF: 674.6/66

In: 64.820+/-0.964 χ^2/NDF:1237.3/54

Out: 62.845+/-0.945 χ^2/NDF:1435.1/58

All: 63.813+/-0.675 χ^2/NDF: 2674.6/113



Right In: -163.406+/-0.079 χ^2/NDF: 322268.1/31

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -154.984+/-0.076 χ^2/NDF: 444955.3/34

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

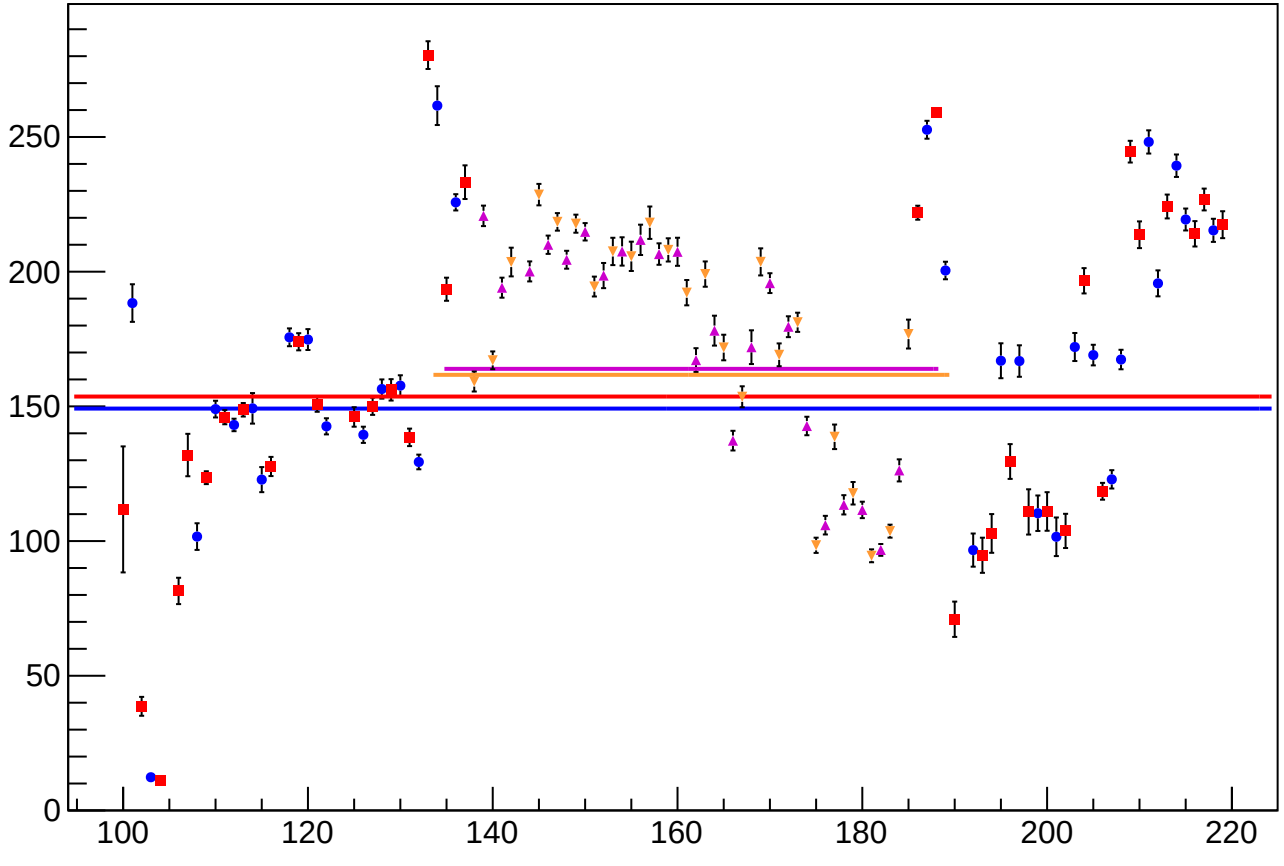
Right: -159.050+/-0.055 χ^2/NDF: 773080.3/66

In: -174.131+/-0.045 χ^2/NDF:462861.8/54

Out: -171.299+/-0.045 χ^2/NDF:646215.2/58

All: -172.708+/-0.032 χ^2/NDF: 1111077.1/11

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 149.183+/-0.650 χ^2/NDF: 10044.4/31

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 153.650+/-0.605 χ^2/NDF: 15039.0/34

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

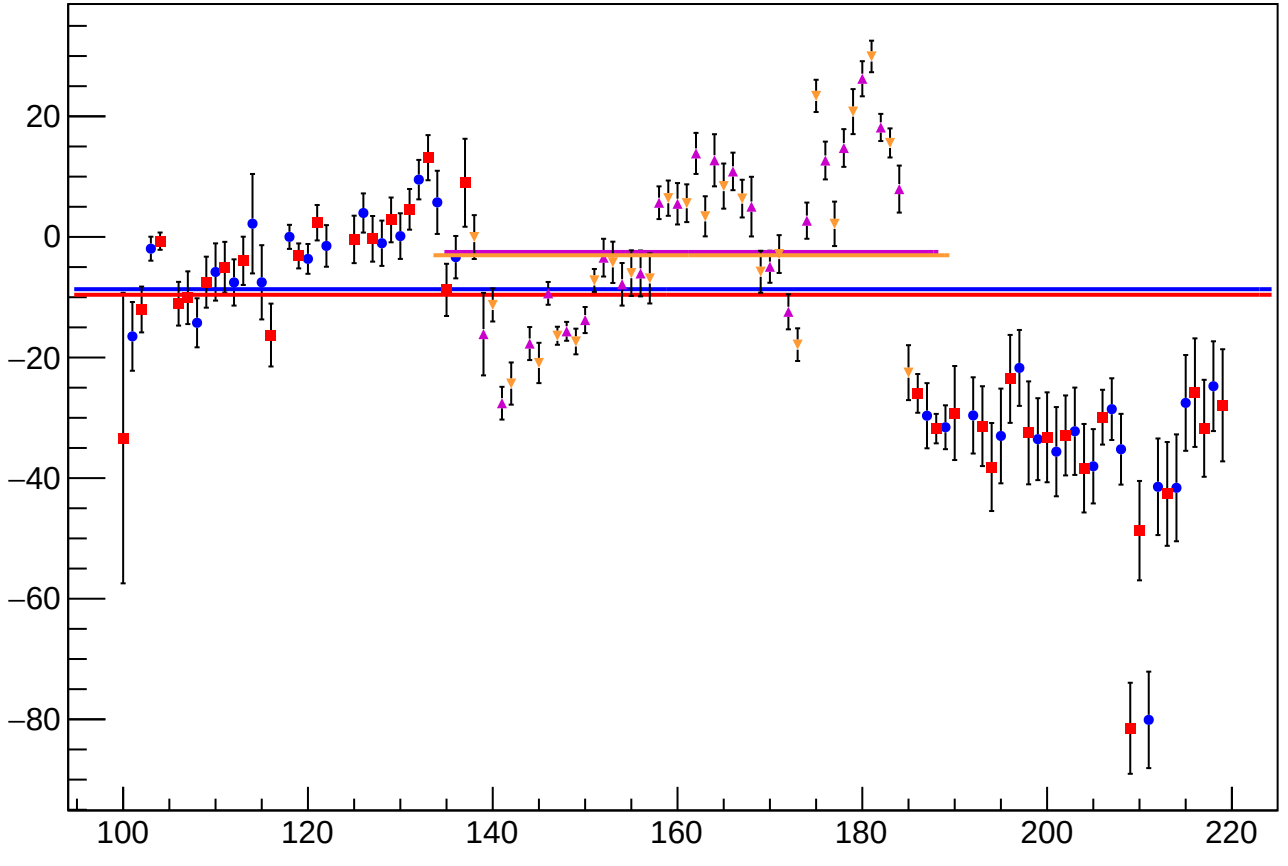
Right: 151.579+/-0.443 χ^2/NDF: 25108.6/66

In: 155.236+/-0.499 χ^2/NDF:13590.9/54

Out: 156.693+/-0.477 χ^2/NDF:18693.4/58

All: 155.998+/-0.345 χ^2/NDF: 32288.7/113

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.666+/-0.735 χ^2/NDF: 405.8/31

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -9.592+/-0.669 χ^2/NDF: 507.4/34

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

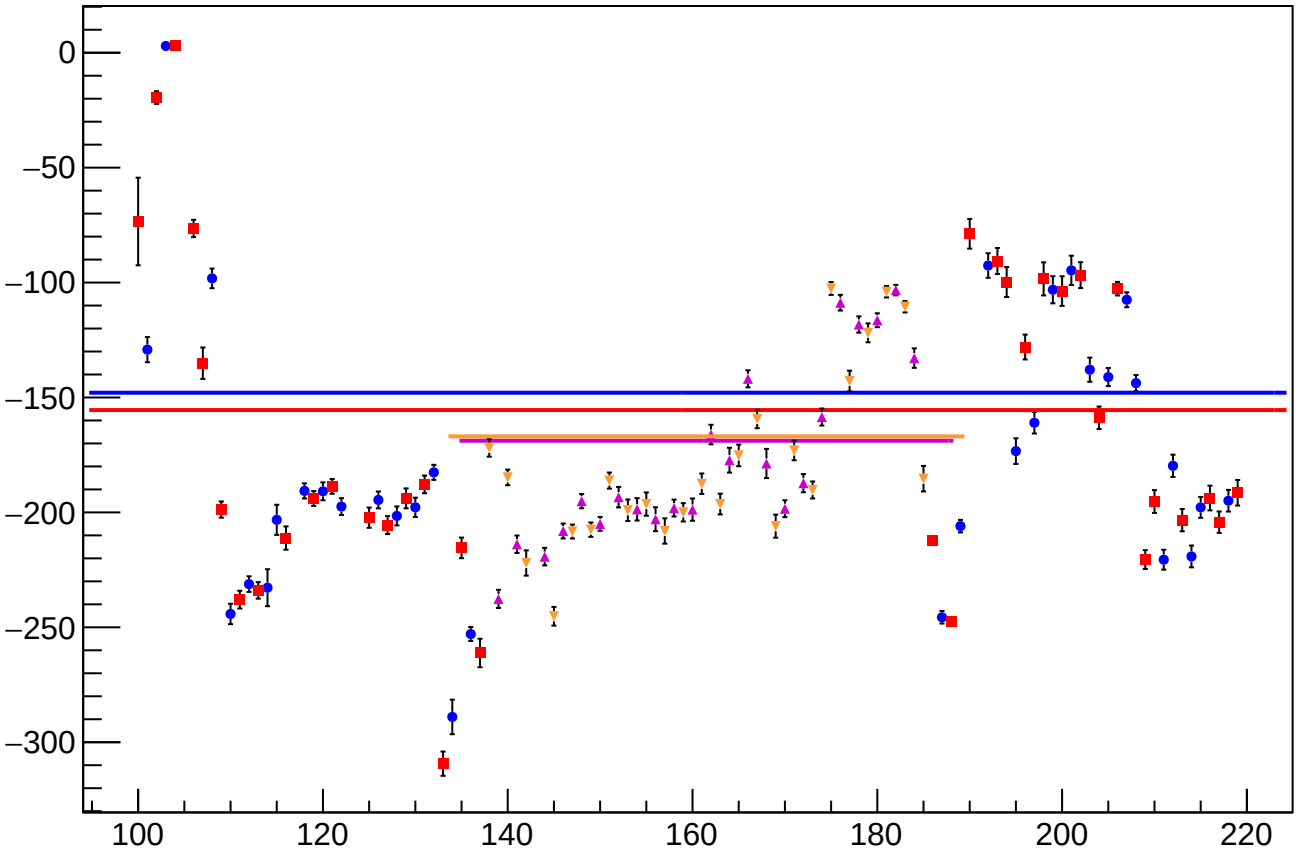
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -9.173+/-0.495 χ^2/NDF: 914.0/66

In: -4.894+/-0.459 χ^2/NDF:1011.7/54

Out: -5.840+/-0.437 χ^2/NDF:1216.8/58

All: -5.389+/-0.317 χ^2/NDF: 2230.7/113



Right In: -147.918+/-0.654 χ^2/NDF: 18092.5/31

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -155.483+/-0.593 χ^2/NDF: 24699.9/34

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

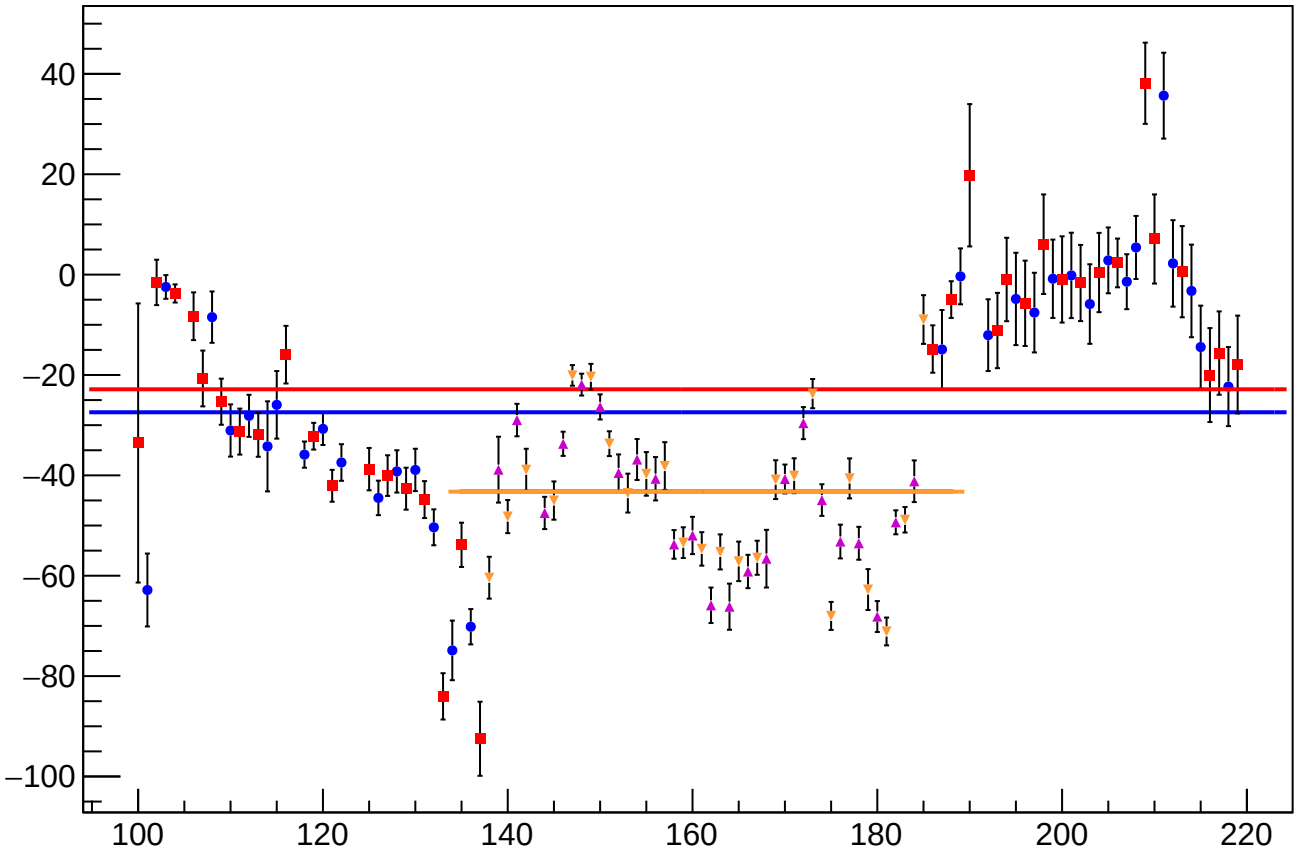
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -152.069+/-0.439 χ^2/NDF: 42865.9/66

In: -156.634+/-0.499 χ^2/NDF:21578.3/54

Out: -159.731+/-0.470 χ^2/NDF:27934.3/58

All: -158.275+/-0.342 χ^2/NDF: 49533.0/113



Right In: -27.430+/-0.857 χ^2/NDF: 681.2/31

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

Right Out: -22.852+/-0.800 χ^2/NDF: 790.2/34

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

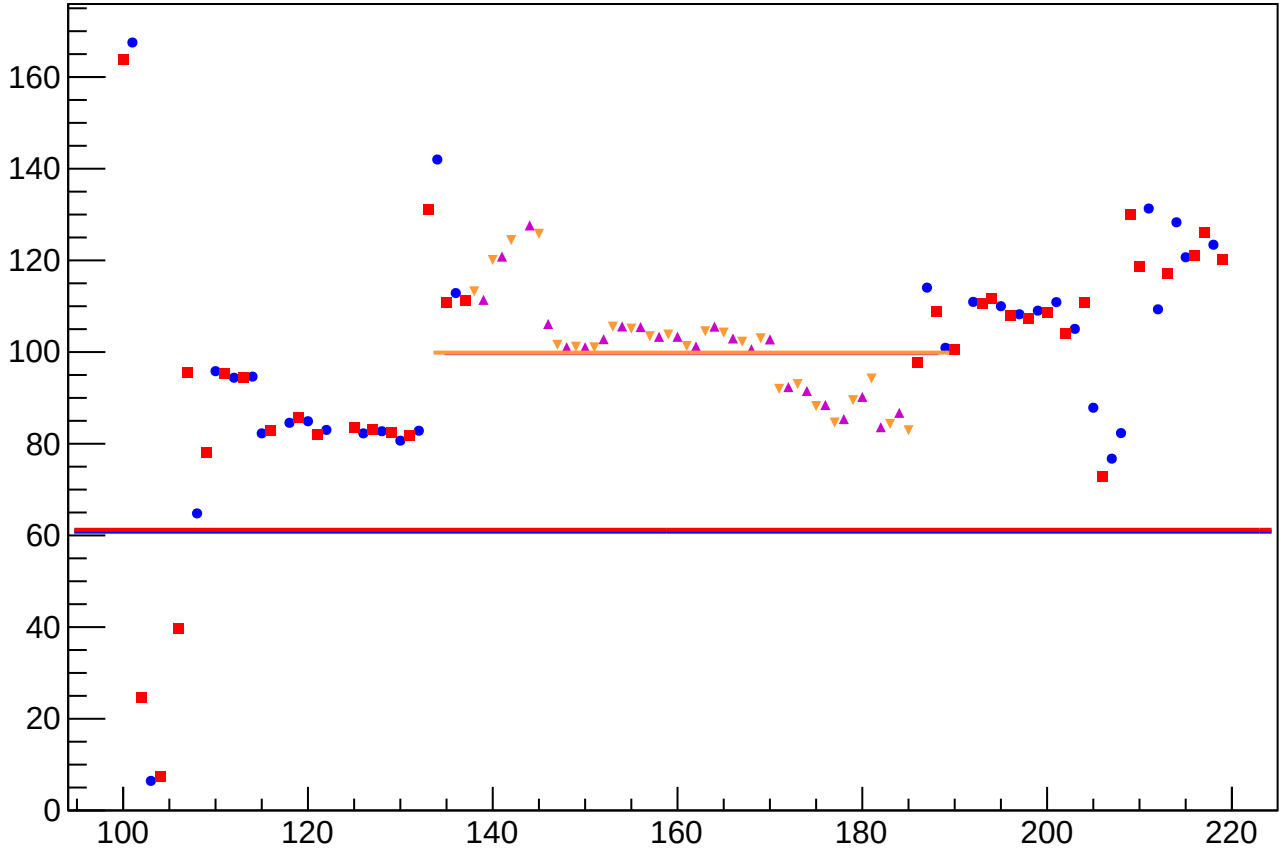
Right: -24.983+/-0.585 χ^2/NDF: 1486.7/66

In: -37.224+/-0.528 χ^2/NDF:1297.4/54

Out: -34.930+/-0.511 χ^2/NDF:1785.3/58

All: -36.039+/-0.367 χ^2/NDF: 3092.4/113

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 60.823+/-0.038 χ^2/NDF: 1608605.3/31

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 61.233+/-0.038 χ^2/NDF: 1402187.5/34

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

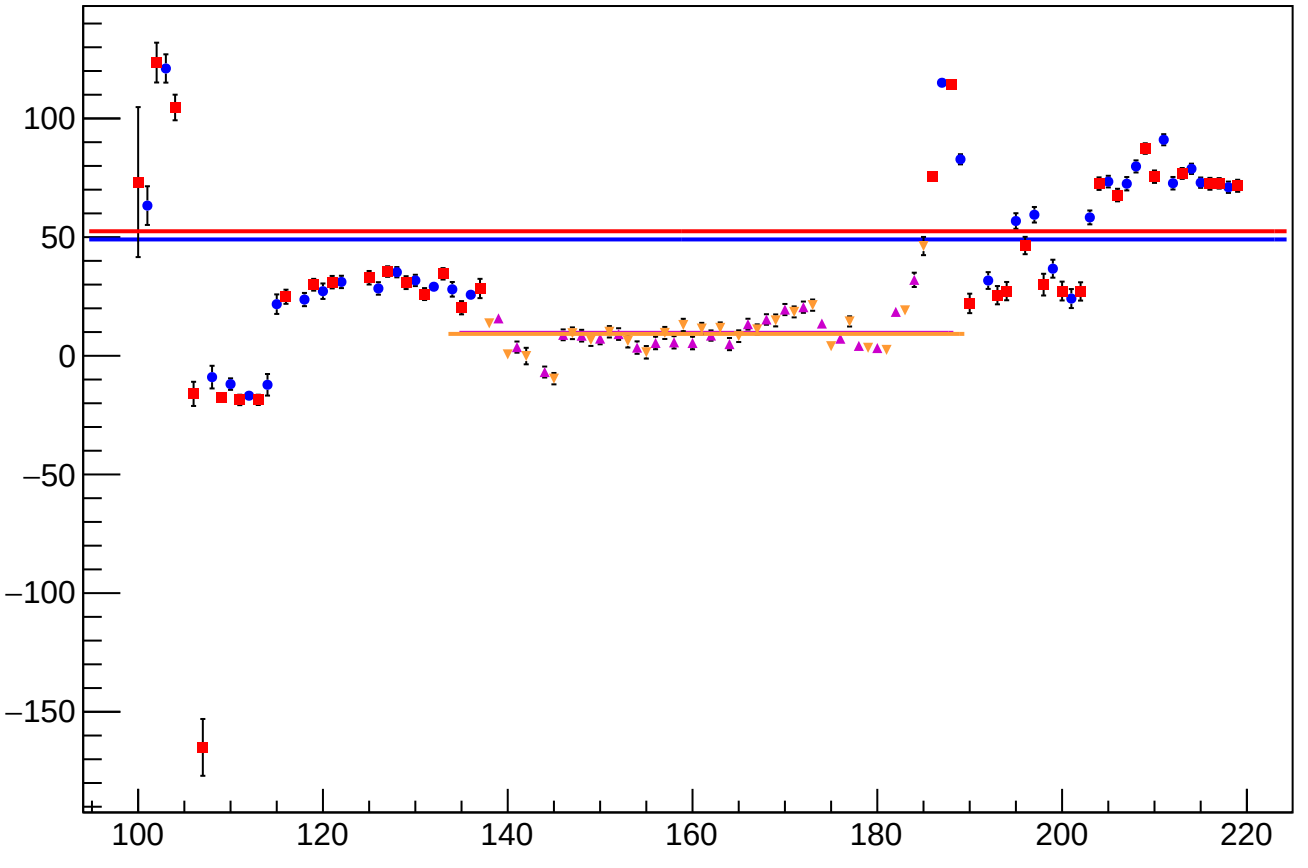
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 61.029+/-0.027 χ^2/NDF: 3010851.2/66

In: 84.519+/-0.024 χ^2/NDF:2358380.0/54

Out: 84.491+/-0.024 χ^2/NDF:2154081.9/58

All: 84.505+/-0.017 χ^2/NDF: 4512462.7/113



Right In: 49.023+/-0.472 χ^2/NDF: 5385.3/31

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 52.472+/-0.436 χ^2/NDF: 8800.1/34

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

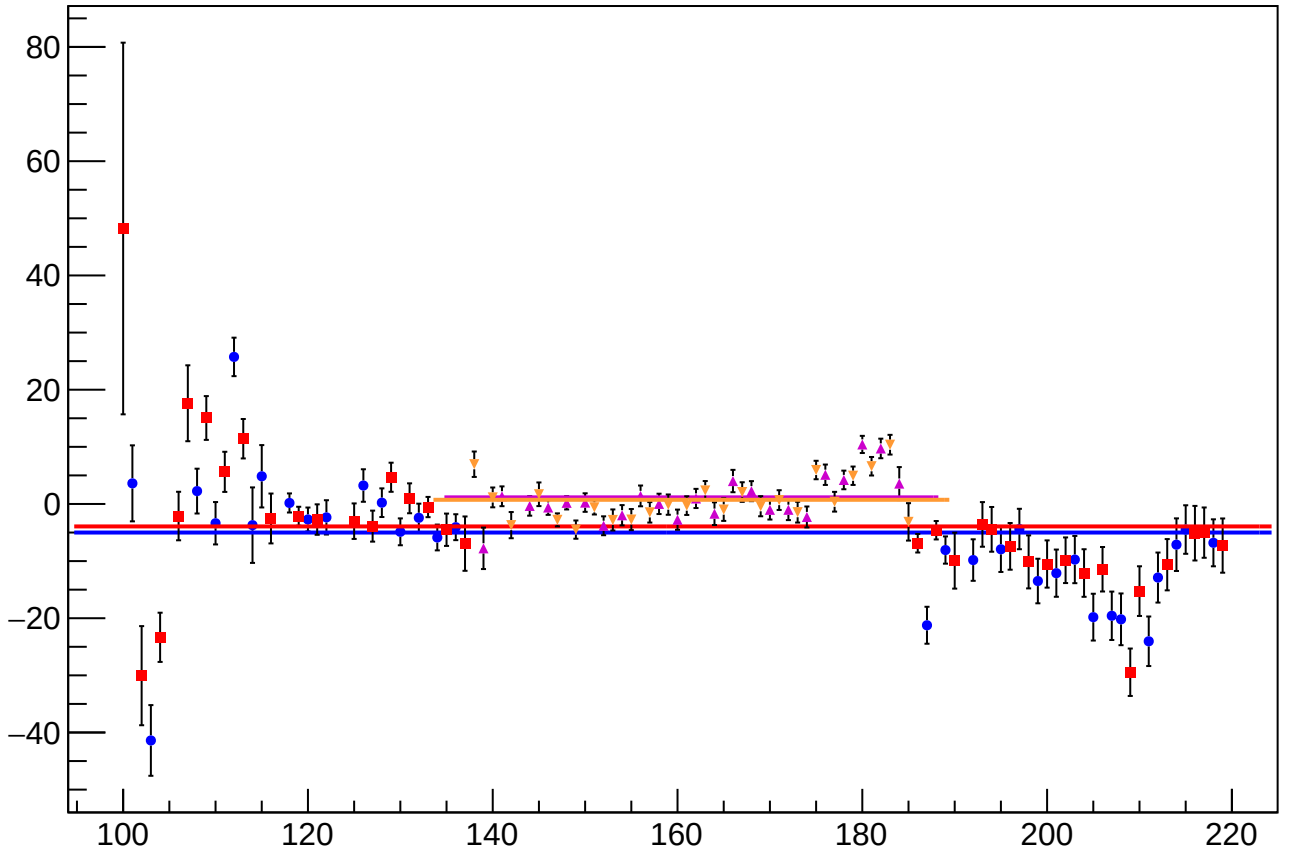
Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

Right: 50.884+/-0.321 χ^2/NDF: 14214.2/66

In: 28.924+/-0.330 χ^2/NDF:9174.7/54

Out: 31.819+/-0.315 χ^2/NDF:13816.8/58

All: 30.439+/-0.228 χ^2/NDF: 23031.7/113



Right In: -5.001+/-0.563 χ^2/NDF: 249.4/31

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -3.932+/-0.531 χ^2/NDF: 182.2/34

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

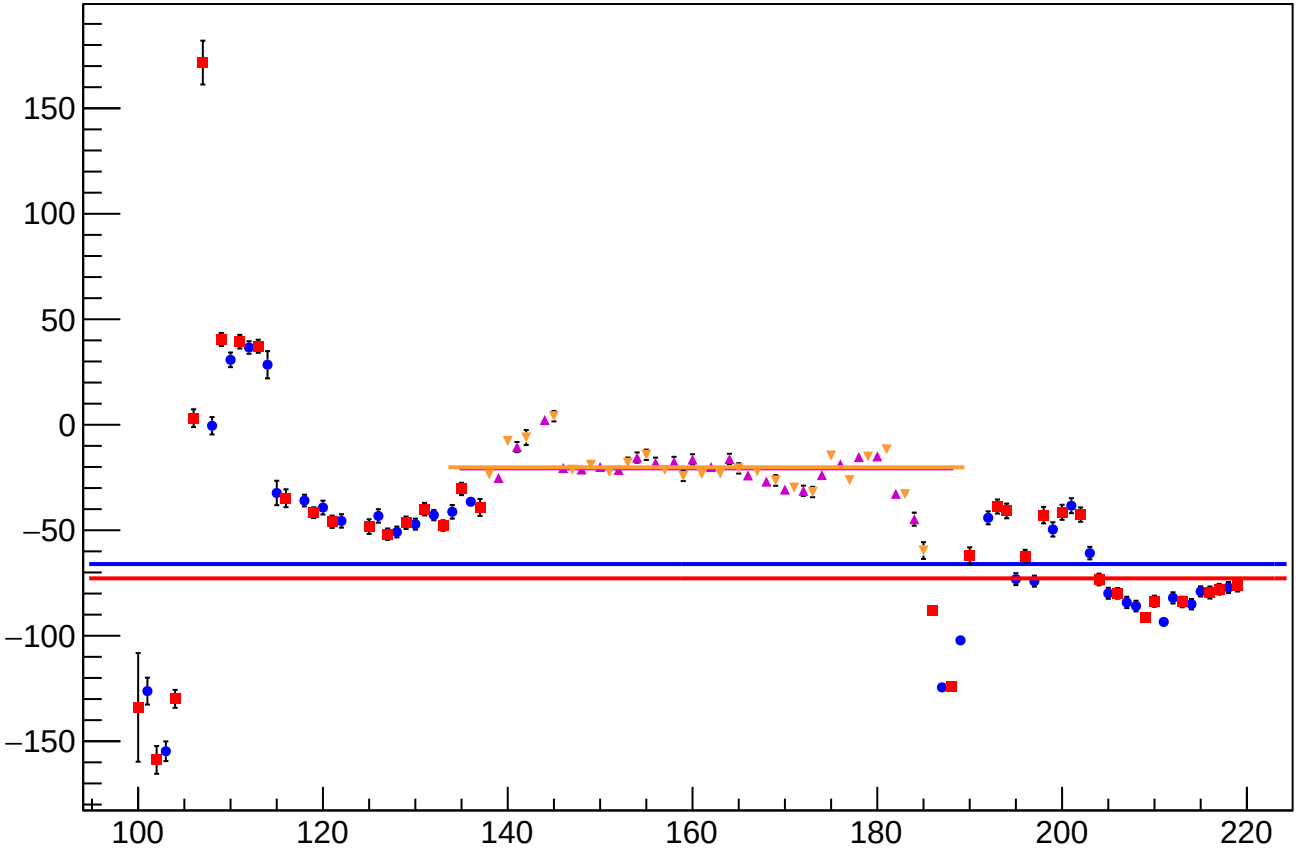
Right: -4.434+/-0.386 χ^2/NDF: 433.6/66

In: -0.611+/-0.302 χ^2/NDF:445.1/54

Out: -0.681+/-0.292 χ^2/NDF:345.8/58

All: -0.647+/-0.210 χ^2/NDF: 790.9/113

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.020+/-0.487 χ^2/NDF: 5922.1/31

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -72.797+/-0.432 χ^2/NDF: 9793.7/34

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

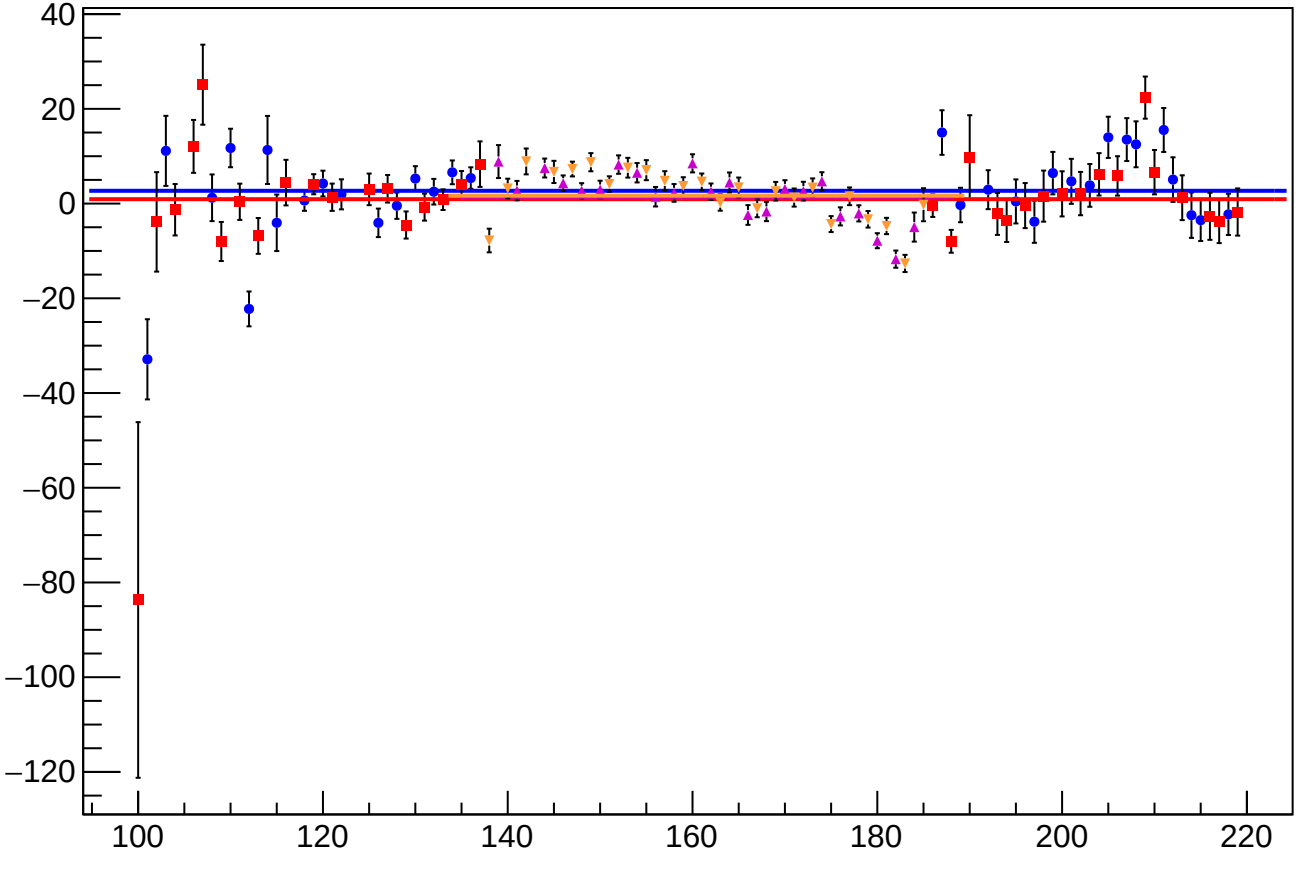
Right: -69.815+/-0.323 χ^2/NDF: 15824.2/66

In: -41.937+/-0.334 χ^2/NDF:10833.7/54

Out: -47.698+/-0.312 χ^2/NDF:17298.7/58

All: -45.005+/-0.228 χ^2/NDF: 28291.4/113

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.698+/-0.649 χ^2/NDF: 124.8/31

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 0.928+/-0.631 χ^2/NDF: 83.8/34

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

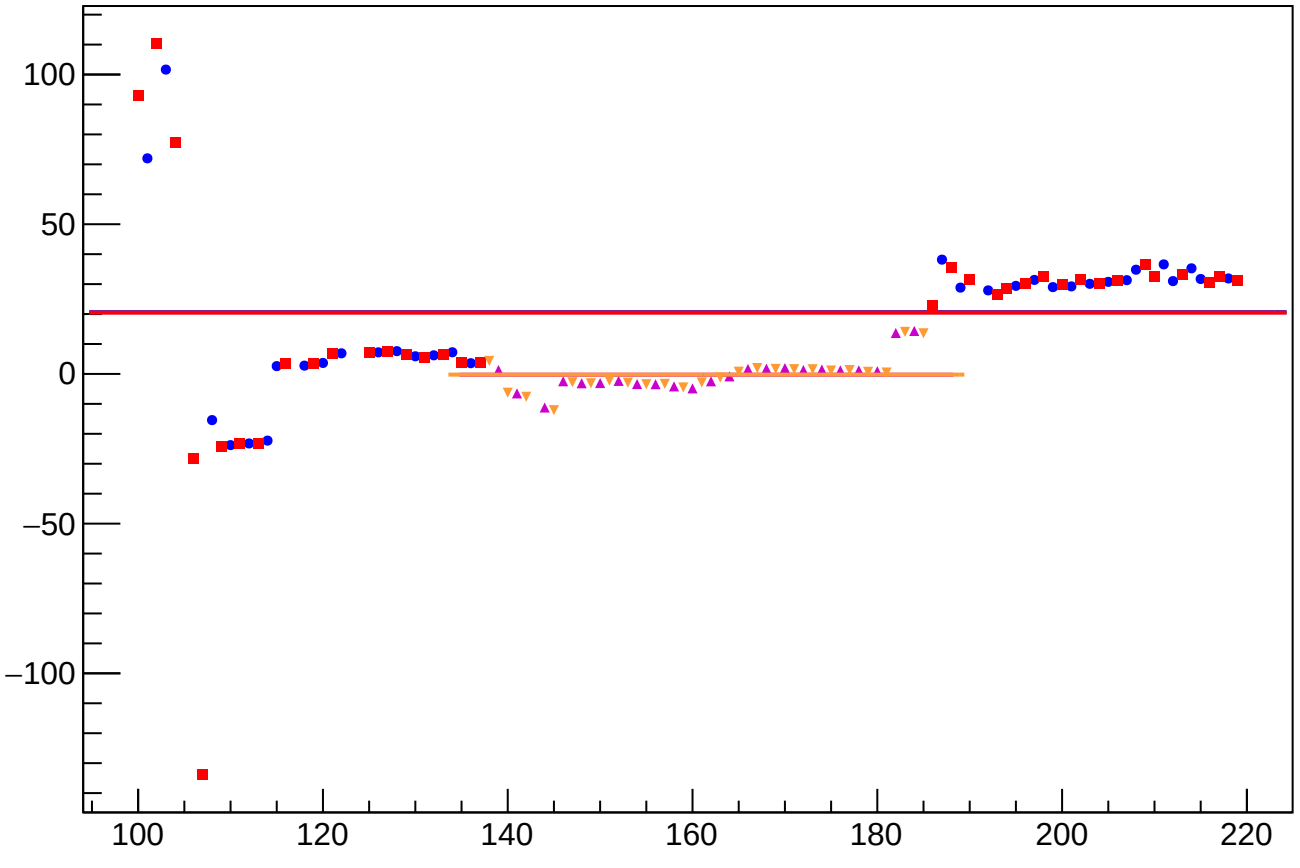
Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

Right: 1.789+/-0.452 χ^2/NDF: 212.4/66

In: 1.781+/-0.342 χ^2/NDF:290.3/54

Out: 1.462+/-0.335 χ^2/NDF:262.7/58

All: 1.618+/-0.239 χ^2/NDF: 553.5/113



Right In: 20.620+/-0.032 χ^2/NDF: 437033.0/31

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 20.484+/-0.032 χ^2/NDF: 607212.3/34

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

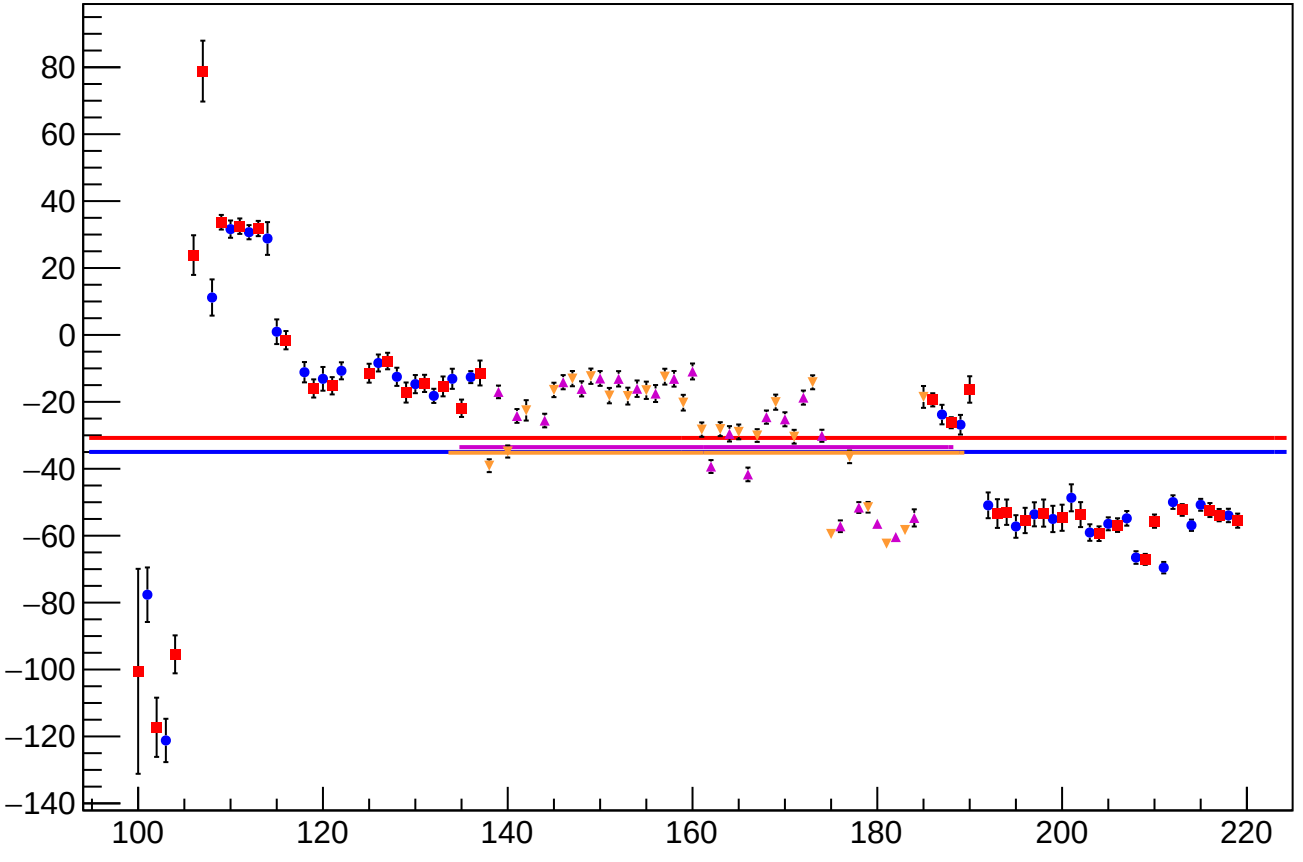
Right: 20.552+/-0.023 χ^2/NDF: 1044254.1/66

In: 4.559+/-0.016 χ^2/NDF:830417.8/54

Out: 4.523+/-0.015 χ^2/NDF:1004640.0/58

All: 4.541+/-0.011 χ^2/NDF: 1835060.5/113

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -34.967+/-0.448 χ^2/NDF: 4391.5/31

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

Right Out: -30.782+/-0.438 χ^2/NDF: 5069.7/34

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

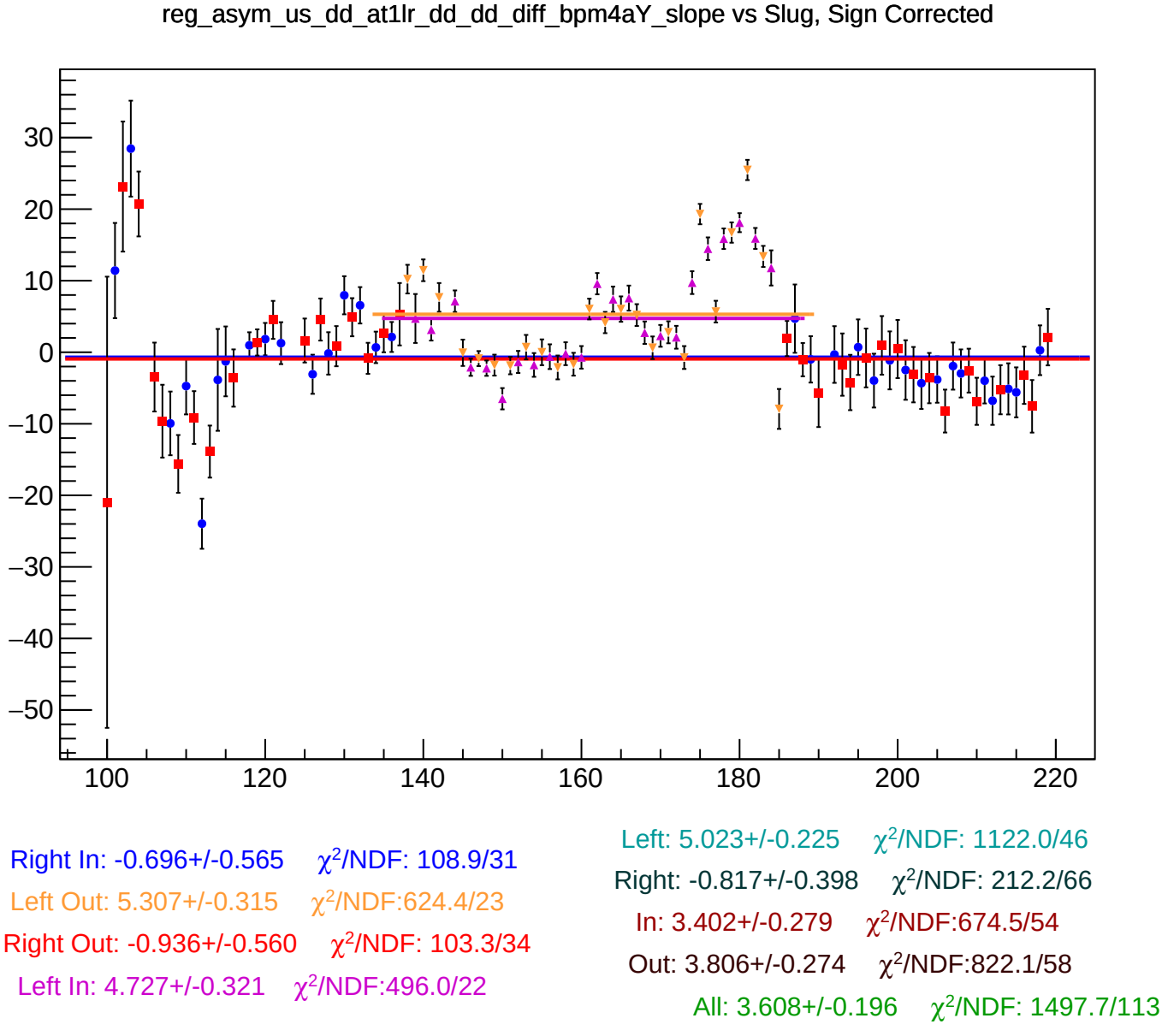
Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

Right: -32.829+/-0.313 χ^2/NDF: 9505.8/66

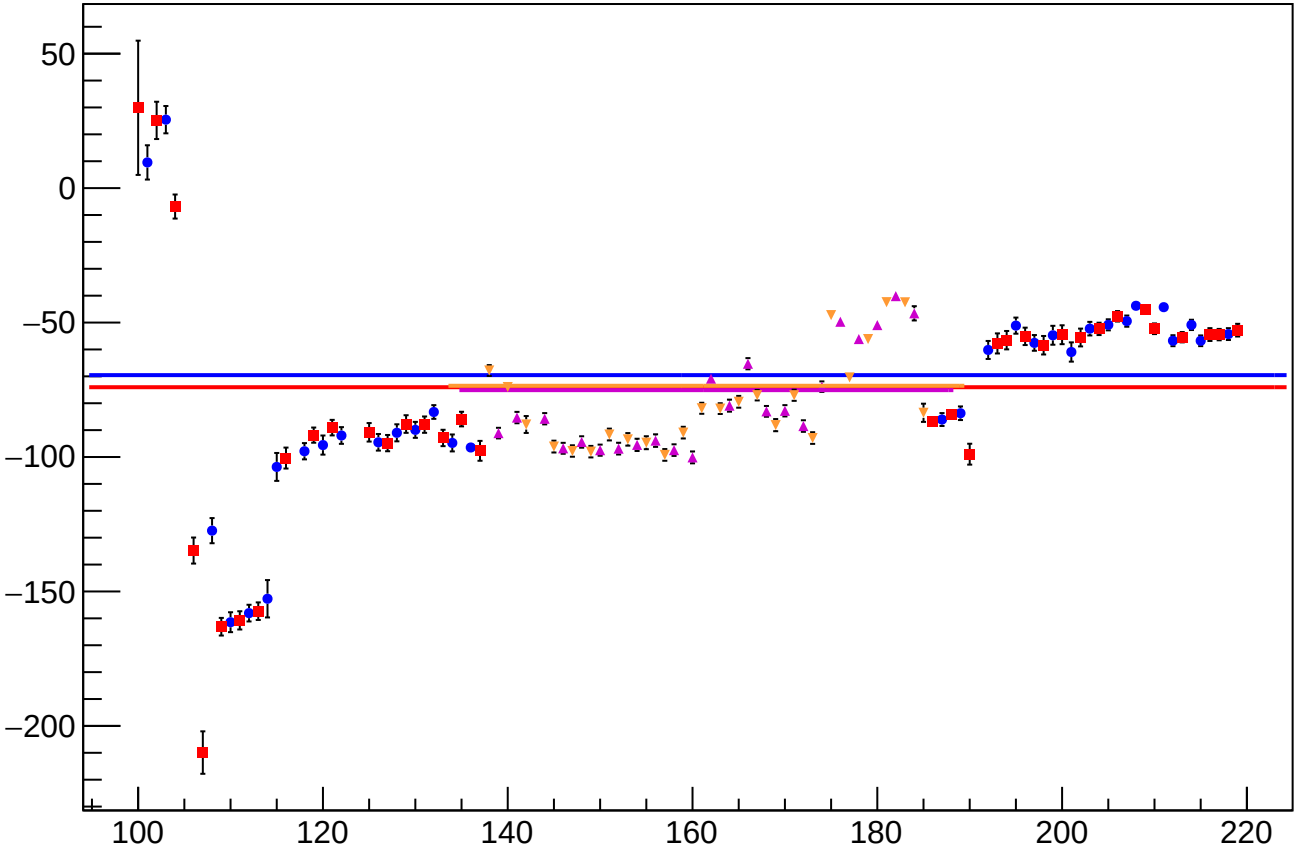
In: -34.190+/-0.304 χ^2/NDF:6203.2/54

Out: -33.148+/-0.299 χ^2/NDF:6974.9/58

All: -33.660+/-0.213 χ^2/NDF: 13184.1/113


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
−40
−50
100
120
140
160
180
200
220
Right In: -0.696+/-0.565 χ²/NDF: 108.9/31
Left Out: 5.307+/-0.315 χ²/NDF:624.4/23
Right Out: -0.936+/-0.560 χ²/NDF: 103.3/34
Left In: 4.727+/-0.321 χ²/NDF:496.0/22
Left: 5.023+/-0.225 χ²/NDF: 1122.0/46
Right: -0.817+/-0.398 χ²/NDF: 212.2/66
In: 3.402+/-0.279 χ²/NDF:674.5/54
Out: 3.806+/-0.274 χ²/NDF:822.1/58
All: 3.608+/-0.196 χ²/NDF: 1497.7/113

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -69.548+/-0.469 χ^2/NDF: 3958.3/31

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -74.042+/-0.452 χ^2/NDF: 4612.4/34

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

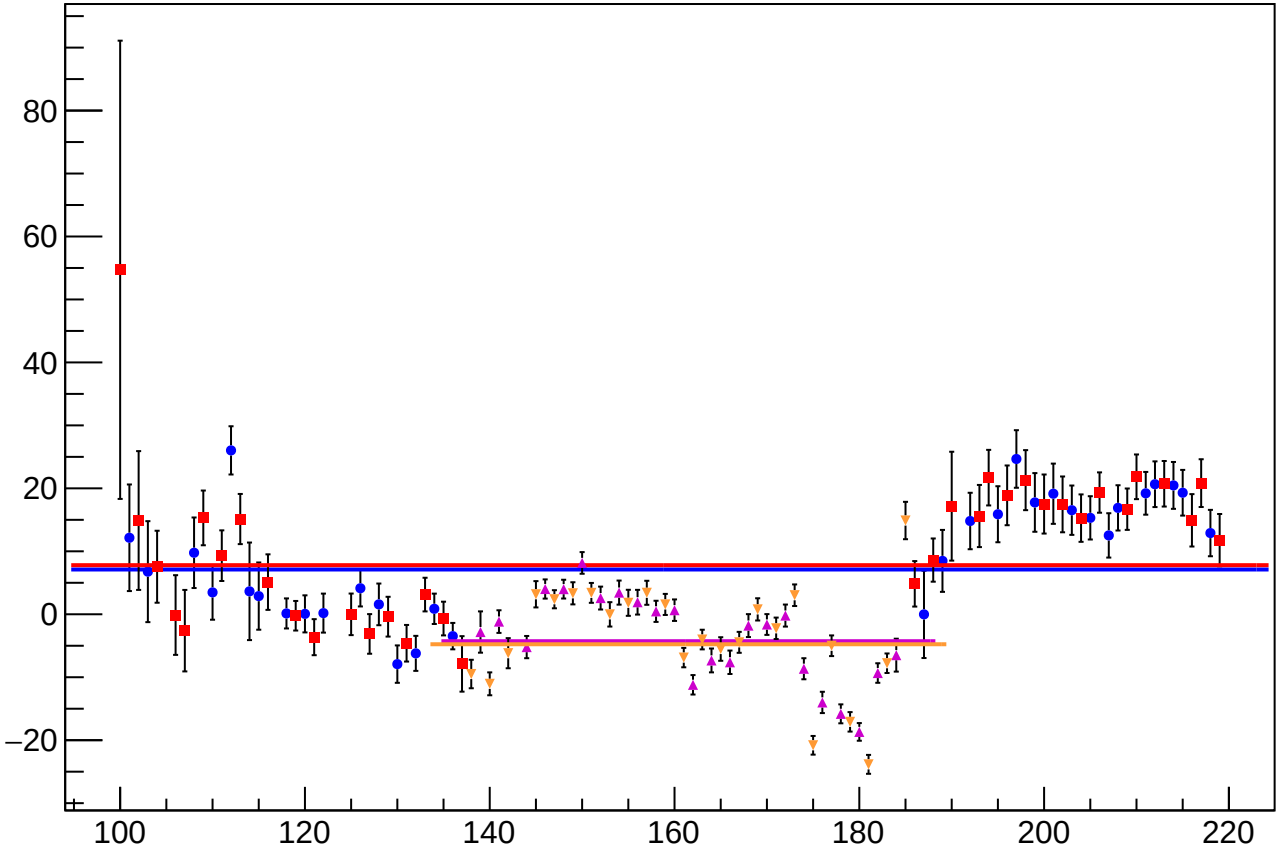
Right: -71.877+/-0.326 χ^2/NDF: 8618.2/66

In: -72.715+/-0.309 χ^2/NDF:6400.5/54

Out: -73.745+/-0.302 χ^2/NDF:7005.2/58

All: -73.242+/-0.216 χ^2/NDF: 13411.4/113

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 7.111+/-0.636 χ^2/NDF: 239.1/31

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

Right Out: 7.797+/-0.643 χ^2/NDF: 214.2/34

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

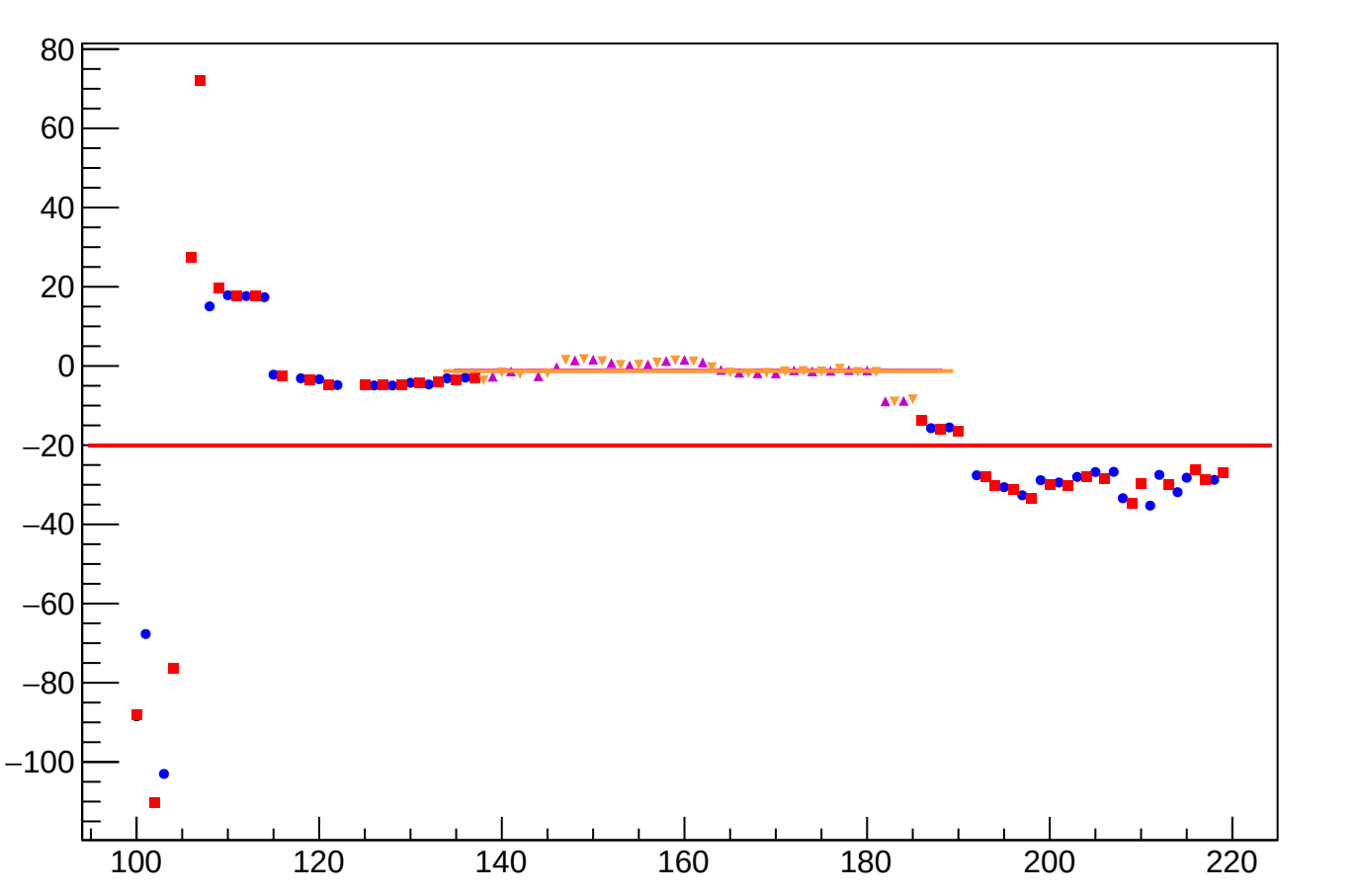
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 7.450+/-0.452 χ^2/NDF: 453.9/66

In: -1.502+/-0.314 χ^2/NDF:906.0/54

Out: -1.832+/-0.311 χ^2/NDF:1083.5/58

All: -1.669+/-0.221 χ^2/NDF: 1990.0/113



Right In: -20.078+/-0.031 χ^2/NDF: 398040.5/31

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -20.099+/-0.032 χ^2/NDF: 484147.6/34

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

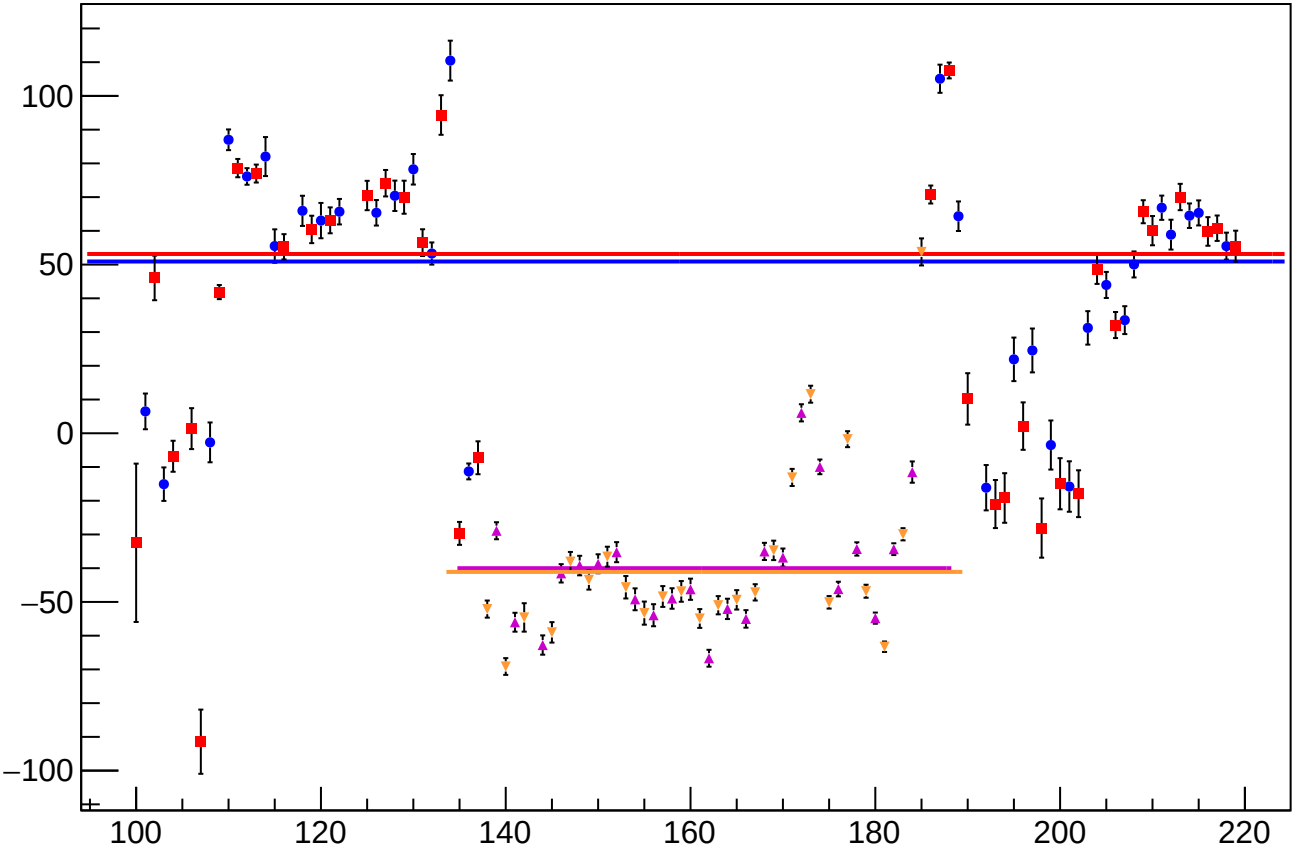
Right: -20.088+/-0.022 χ^2/NDF: 882188.3/66

In: -5.175+/-0.014 χ^2/NDF:719416.7/54

Out: -5.066+/-0.014 χ^2/NDF:793465.3/58

All: -5.120+/-0.010 χ^2/NDF: 1512911.9/113

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 50.915+/-0.733 χ^2/NDF: 2043.4/31

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 53.148+/-0.683 χ^2/NDF: 2760.2/34

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

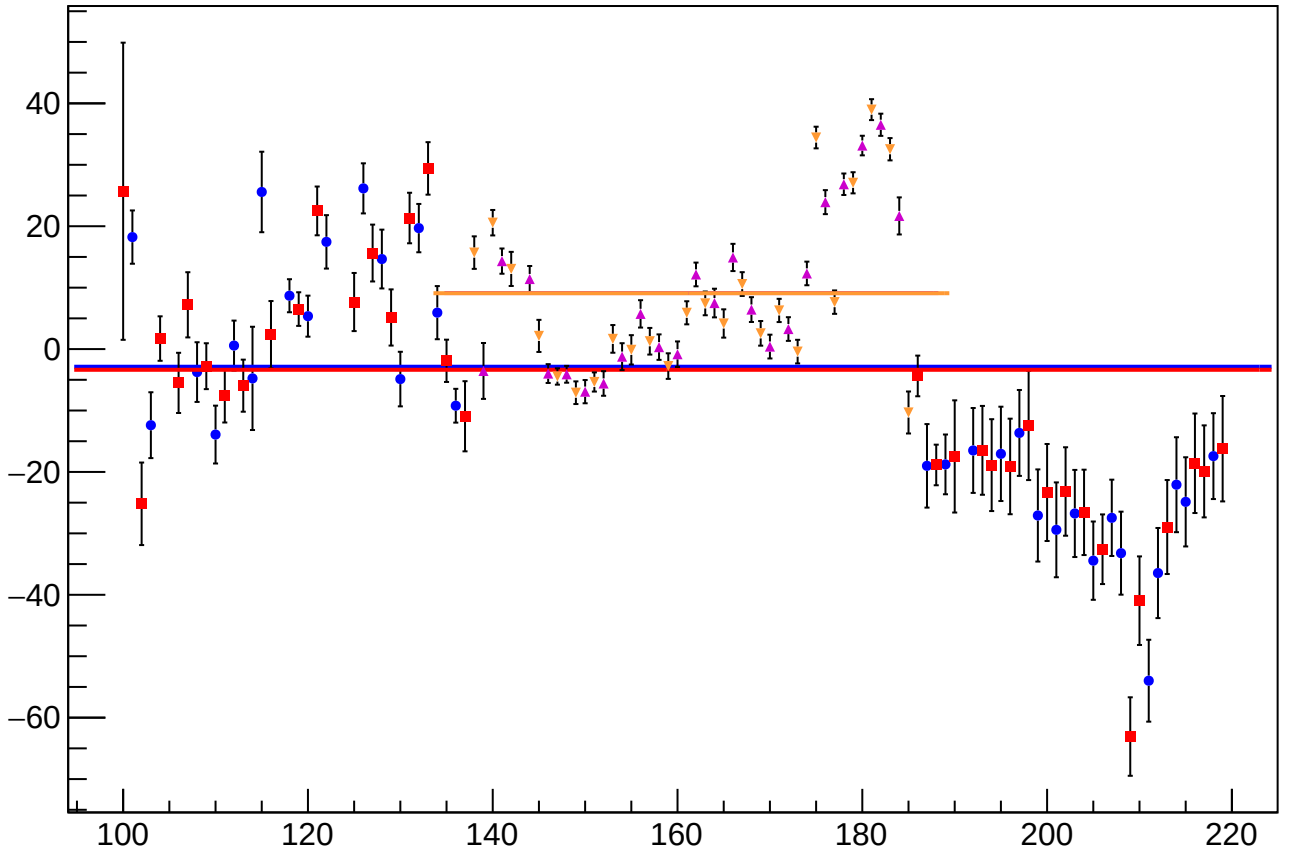
Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

Right: 52.110+/-0.500 χ^2/NDF: 4808.6/66

In: -9.222+/-0.426 χ^2/NDF:13255.3/54

Out: -6.758+/-0.412 χ^2/NDF:16799.6/58

All: -7.949+/-0.296 χ^2/NDF: 30072.2/113



Right In: -2.873+/-0.875 χ^2/NDF: 424.5/31

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: -3.370+/-0.842 χ^2/NDF: 423.9/34

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

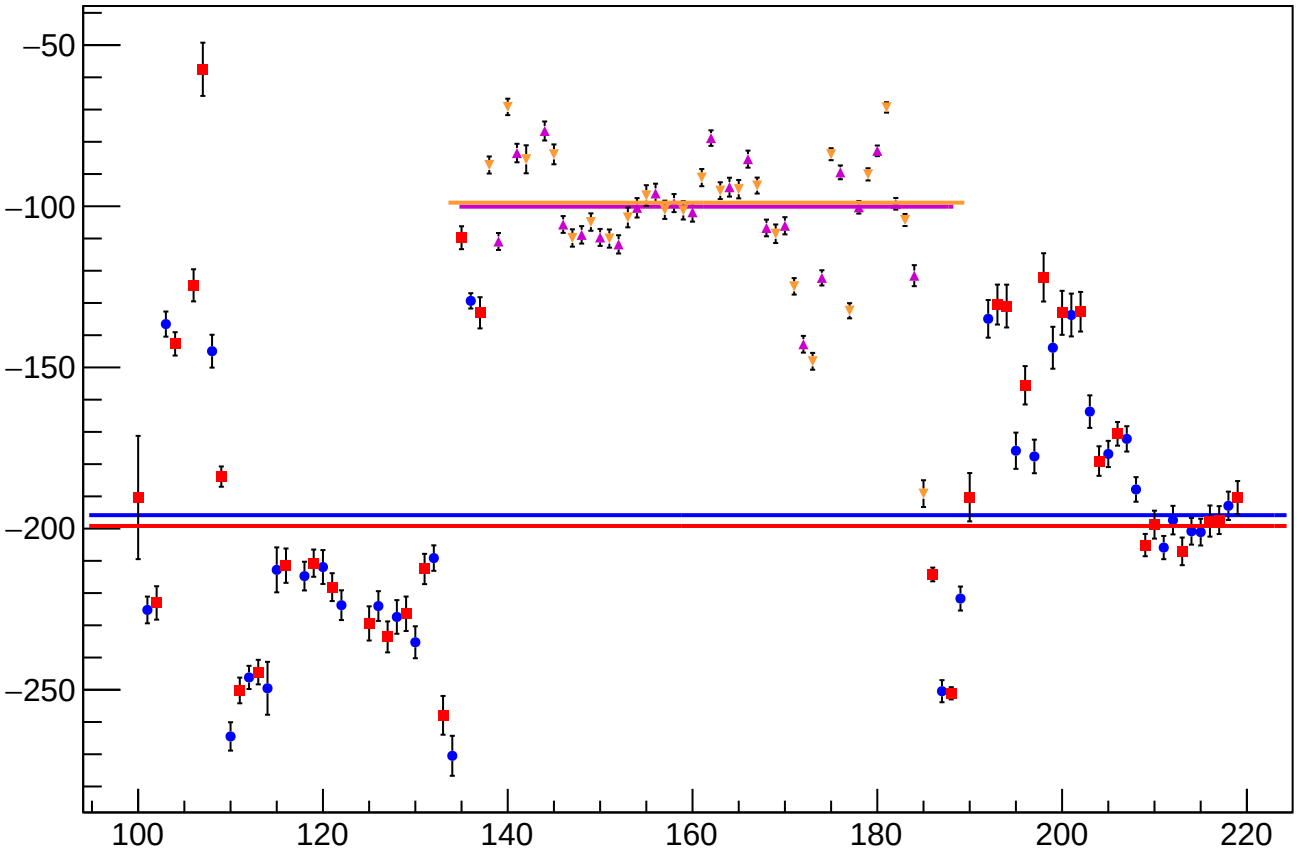
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: -3.131+/-0.607 χ^2/NDF: 848.5/66

In: 6.972+/-0.371 χ^2/NDF:1630.4/54

Out: 6.785+/-0.362 χ^2/NDF:1856.3/58

All: 6.877+/-0.259 χ^2/NDF: 3486.9/113



Right In: -195.830+/-0.771 χ^2/NDF: 2710.3/31

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

Right Out: -199.181+/-0.714 χ^2/NDF: 3667.2/34

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

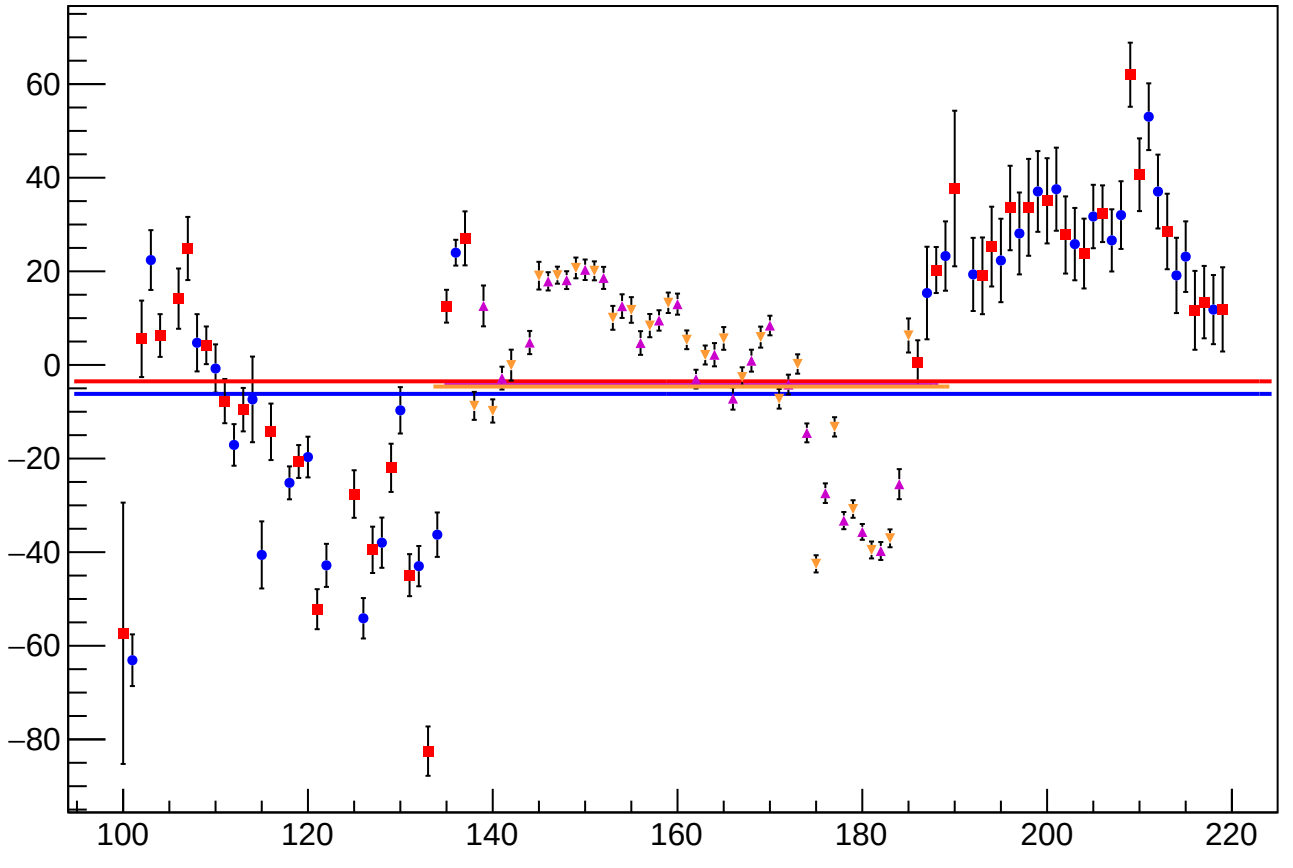
Left: -99.498+/-0.366 χ^2/NDF: 2650.6/46

Right: -197.634+/-0.524 χ^2/NDF: 6387.6/66

In: -130.064+/-0.431 χ^2/NDF:14125.8/54

Out: -133.146+/-0.417 χ^2/NDF:18491.9/58

All: -131.656+/-0.300 χ^2/NDF: 32644.1/113



Right In: -6.185+/-0.996 χ^2/NDF: 990.9/31

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -3.504+/-0.977 χ^2/NDF: 954.9/34

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

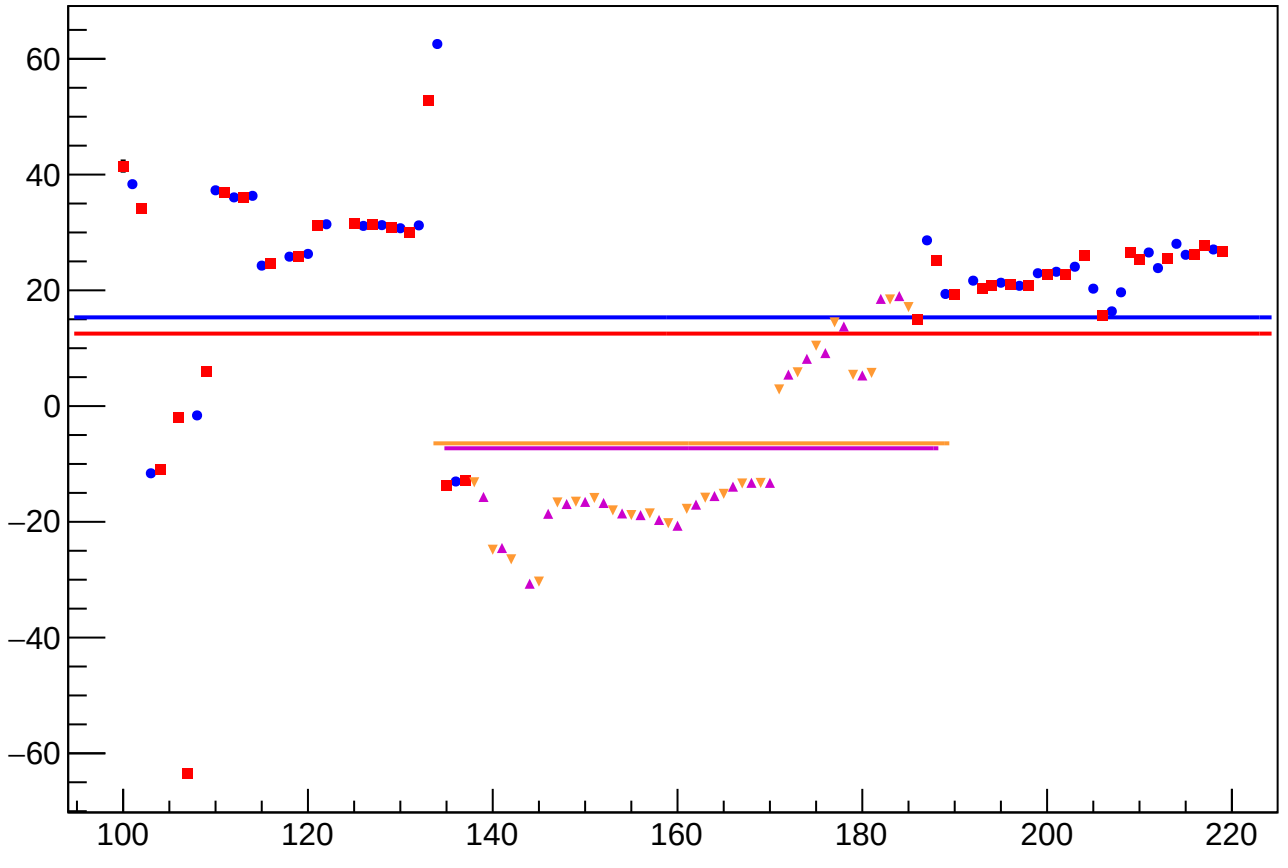
Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

Right: -4.819+/-0.698 χ^2/NDF: 1949.4/66

In: -4.653+/-0.417 χ^2/NDF:2847.9/54

Out: -4.422+/-0.410 χ^2/NDF:3034.2/58

All: -4.536+/-0.292 χ^2/NDF: 5882.3/113



Right In: 15.331+/-0.049 χ^2/NDF: 179891.5/31

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 12.523+/-0.048 χ^2/NDF: 185403.4/34

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

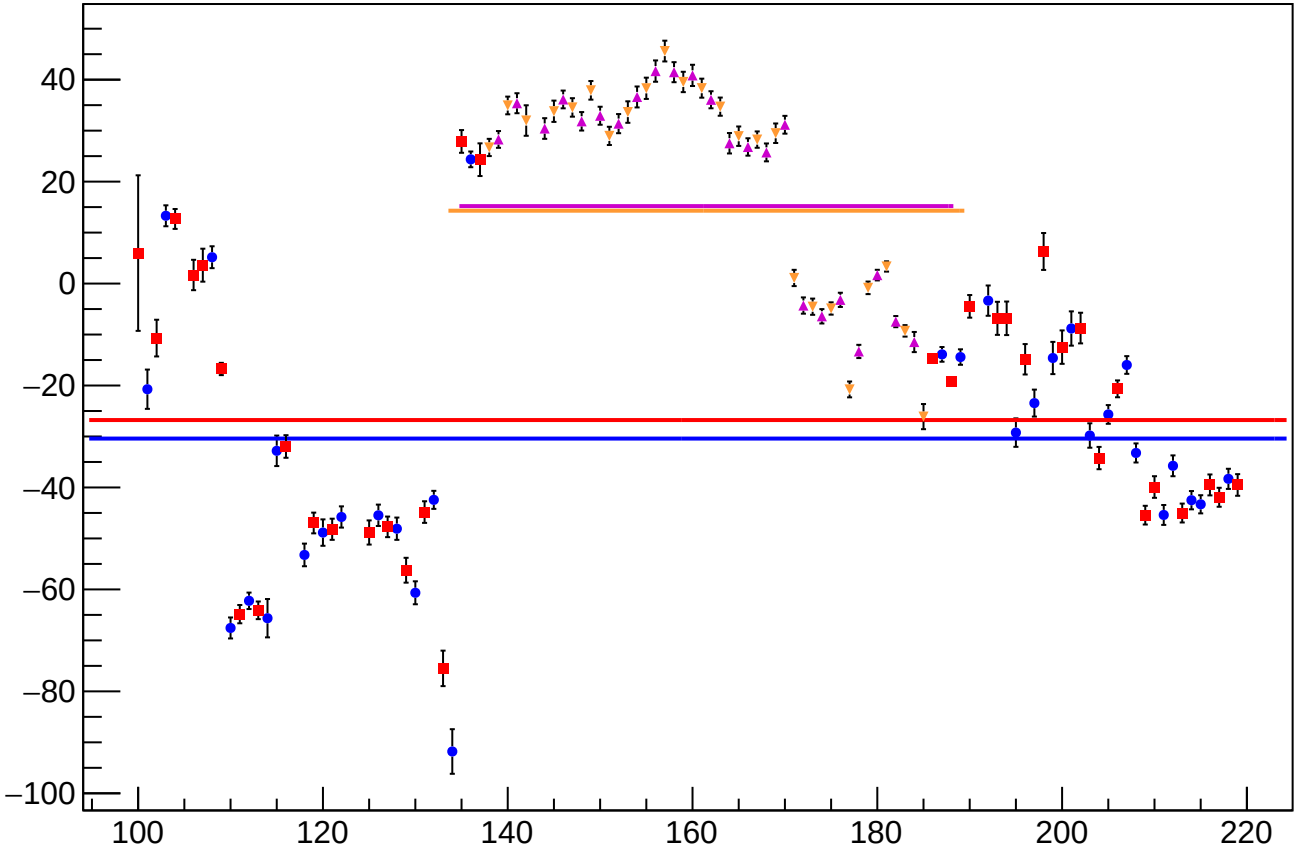
Right: 13.920+/-0.034 χ^2/NDF: 366969.4/66

In: -3.934+/-0.019 χ^2/NDF:852469.1/54

Out: -3.626+/-0.019 χ^2/NDF:812824.3/58

All: -3.779+/-0.013 χ^2/NDF: 1665429.3/113

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -30.407+/-0.370 χ^2/NDF: 4207.1/31

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -26.775+/-0.329 χ^2/NDF: 4254.7/34

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

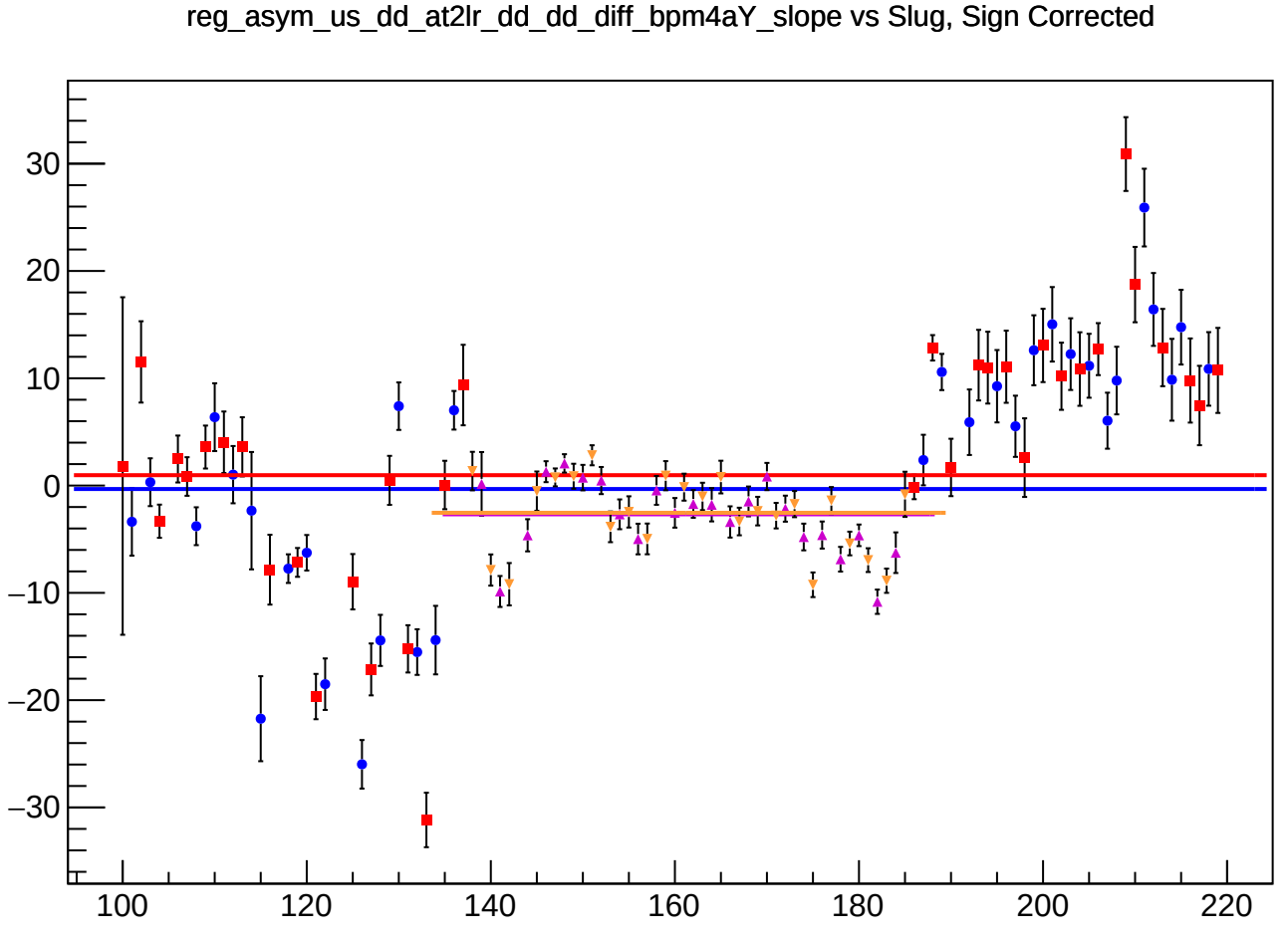
Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

Right: -28.379+/-0.246 χ^2/NDF: 8515.5/66

In: -5.625+/-0.250 χ^2/NDF:15854.6/54

Out: -6.596+/-0.235 χ^2/NDF:15617.2/58

All: -6.141+/-0.171 χ^2/NDF: 31479.8/113



Right In: -0.322+/-0.441 χ^2/NDF: 656.5/31

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: 0.968+/-0.396 χ^2/NDF: 758.3/34

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

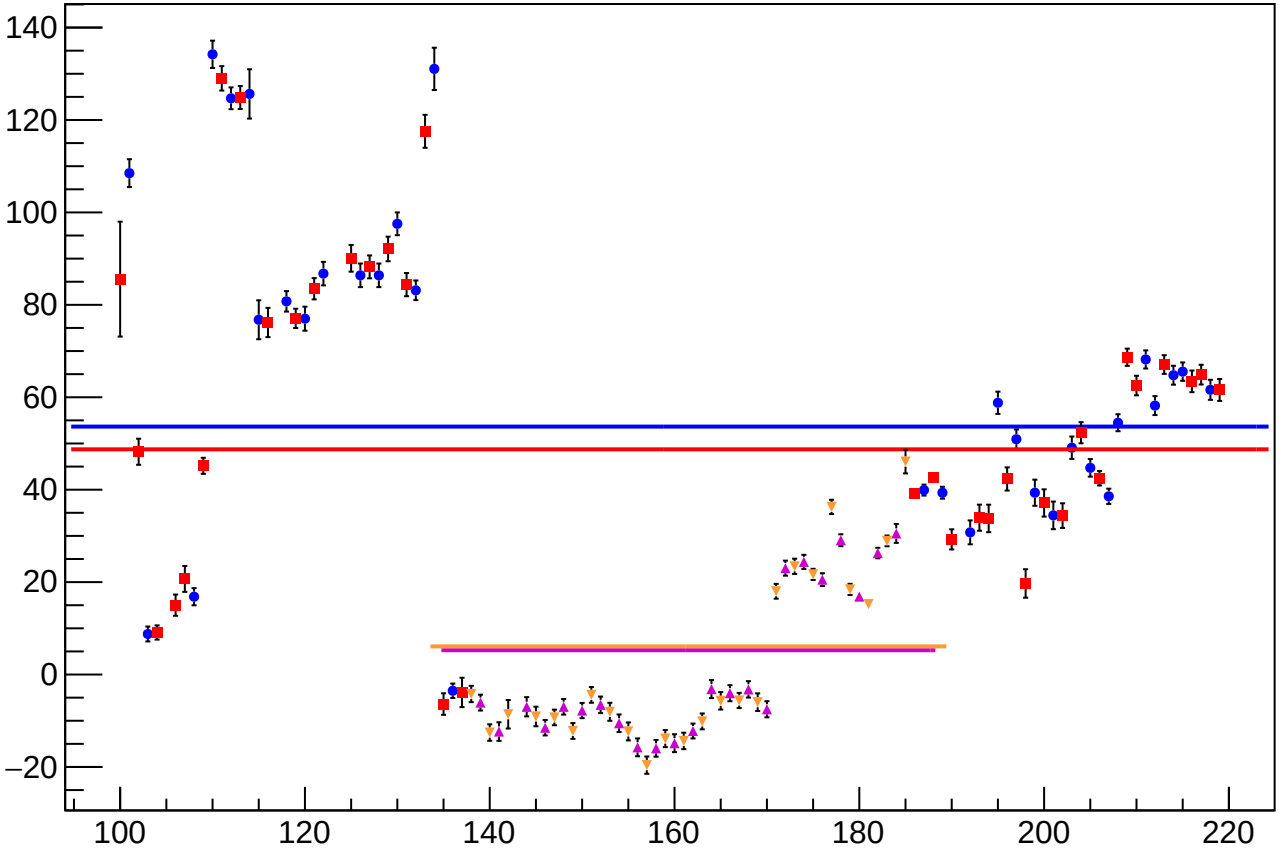
Right: 0.392+/-0.295 χ^2/NDF: 1419.6/66

In: -2.056+/-0.227 χ^2/NDF:859.6/54

Out: -1.488+/-0.217 χ^2/NDF:1011.6/58

All: -1.759+/-0.157 χ^2/NDF: 1874.5/113

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 53.654+/-0.371 χ^2/NDF: 6894.4/31

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 48.734+/-0.319 χ^2/NDF: 6380.3/34

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

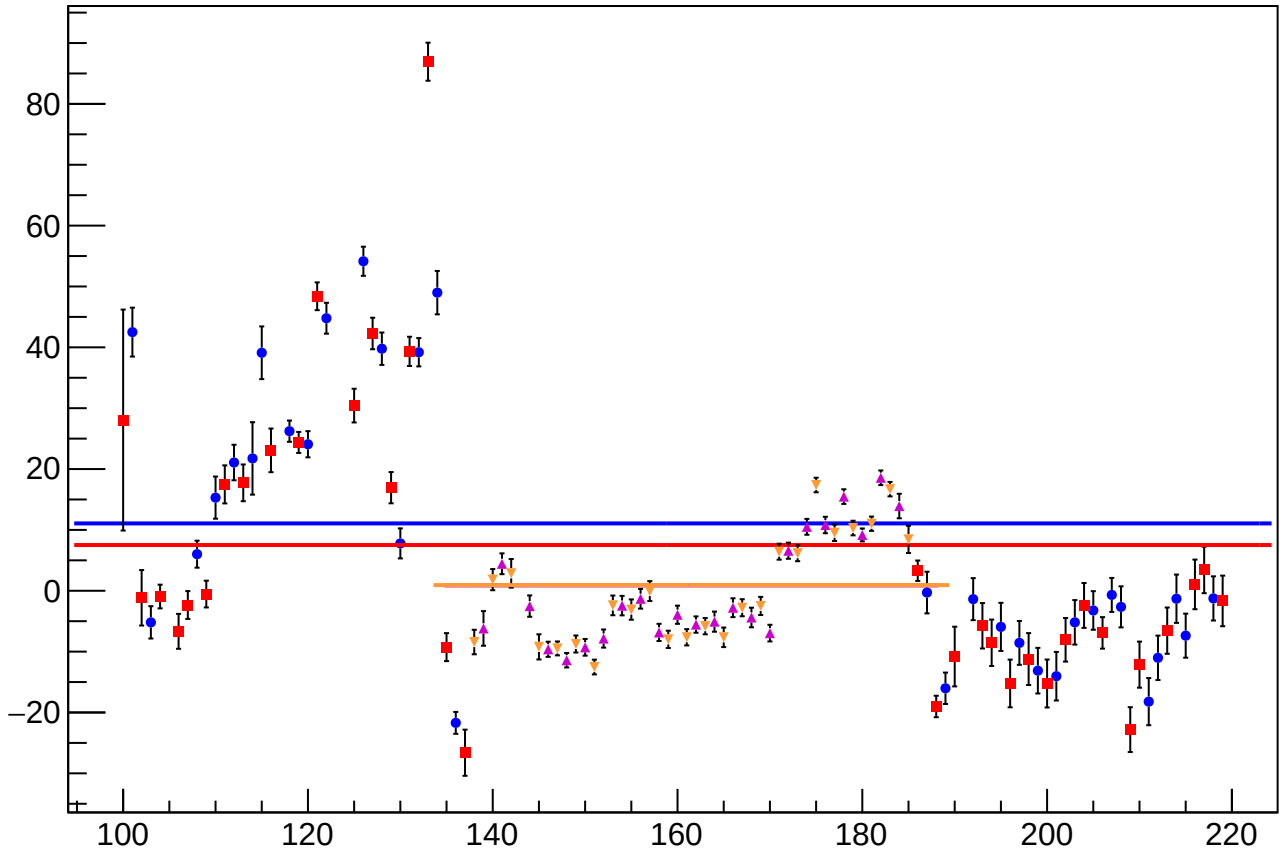
Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

Right: 50.824+/-0.242 χ^2/NDF: 13375.5/66

In: 27.083+/-0.249 χ^2/NDF:18665.2/54

Out: 28.309+/-0.230 χ^2/NDF:17702.9/58

All: 27.745+/-0.169 χ^2/NDF: 36381.1/113



Right In: 11.067+/-0.514 χ^2/NDF: 1961.9/31

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 7.516+/-0.479 χ^2/NDF: 2290.9/34

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

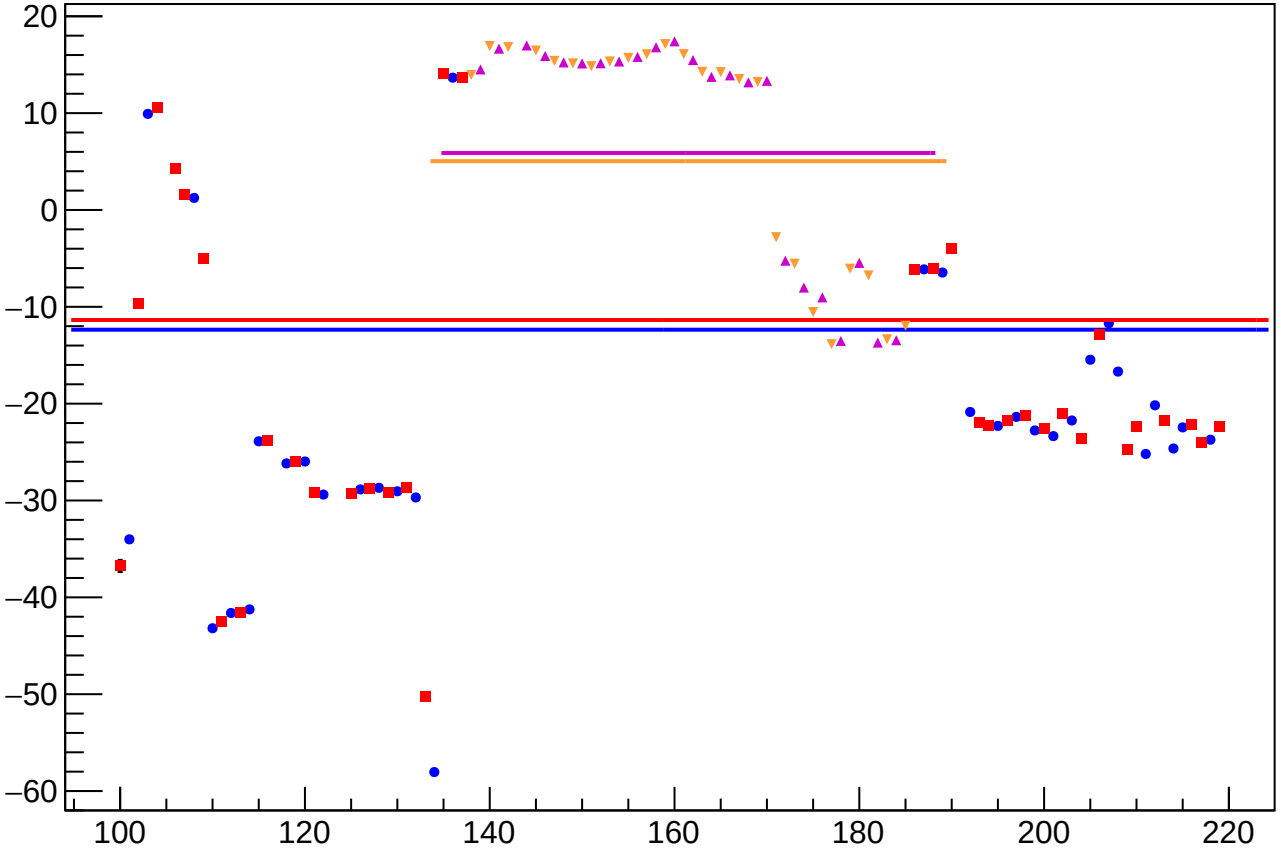
Right: 9.165+/-0.350 χ^2/NDF: 4278.3/66

In: 3.430+/-0.257 χ^2/NDF:3262.2/54

Out: 2.712+/-0.249 χ^2/NDF:3470.5/58

All: 3.060+/-0.179 χ^2/NDF: 6736.7/113

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -12.362+/-0.024 χ^2/NDF: 507170.9/31

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -11.363+/-0.023 χ^2/NDF: 429506.2/34

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

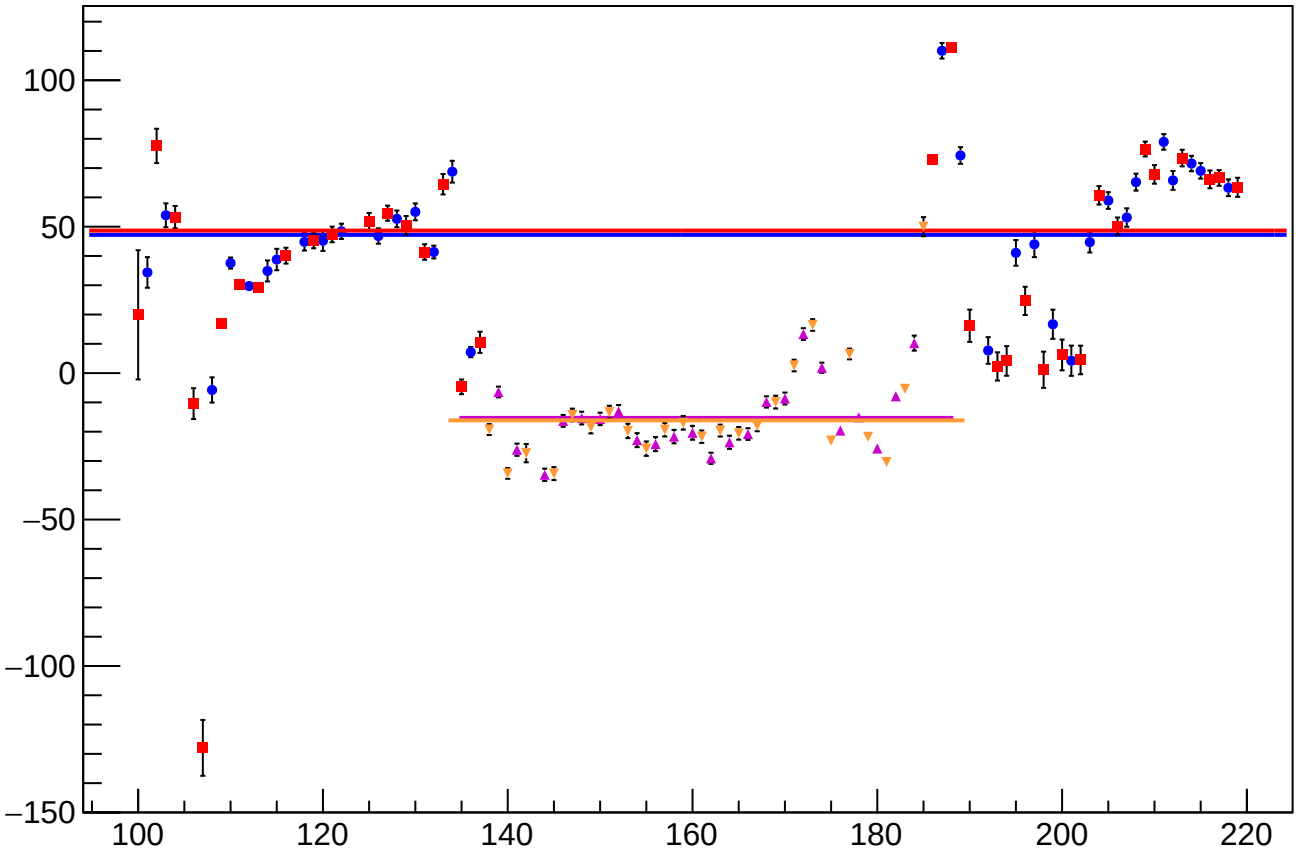
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -11.850+/-0.017 χ^2/NDF: 937583.9/66

In: 1.606+/-0.012 χ^2/NDF:1805350.3/54

Out: 1.087+/-0.011 χ^2/NDF:1665386.0/58

All: 1.344+/-0.008 χ^2/NDF: 3471767.7/113



Right In: 47.207+/-0.508 χ^2/NDF: 2157.6/31

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 48.668+/-0.472 χ^2/NDF: 4487.5/34

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

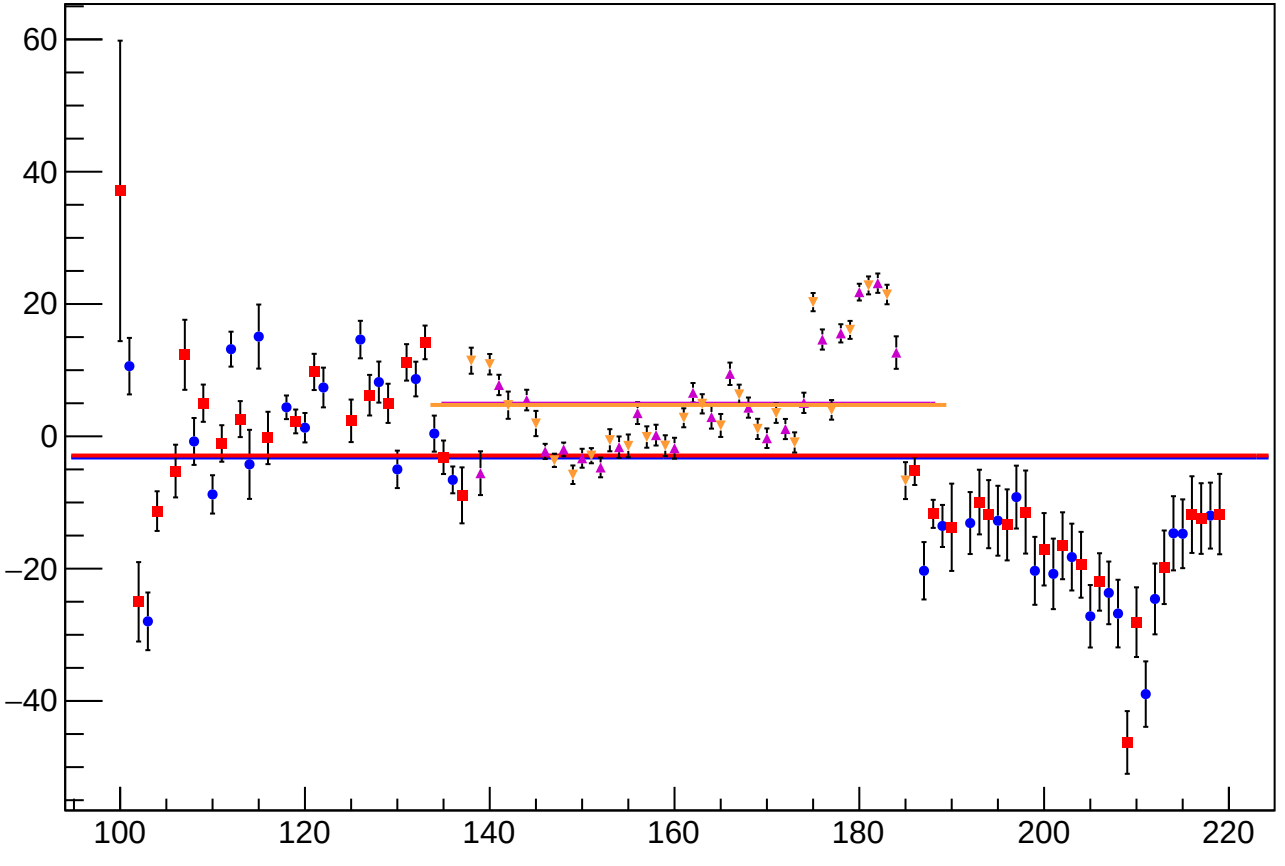
Right: 47.991+/-0.346 χ^2/NDF: 6649.5/66

In: 8.883+/-0.316 χ^2/NDF:12213.5/54

Out: 10.796+/-0.304 χ^2/NDF:16873.6/58

All: 9.875+/-0.219 χ^2/NDF: 29106.2/113

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.195+/-0.605 χ^2/NDF: 425.3/31

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: -2.902+/-0.584 χ^2/NDF: 367.4/34

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

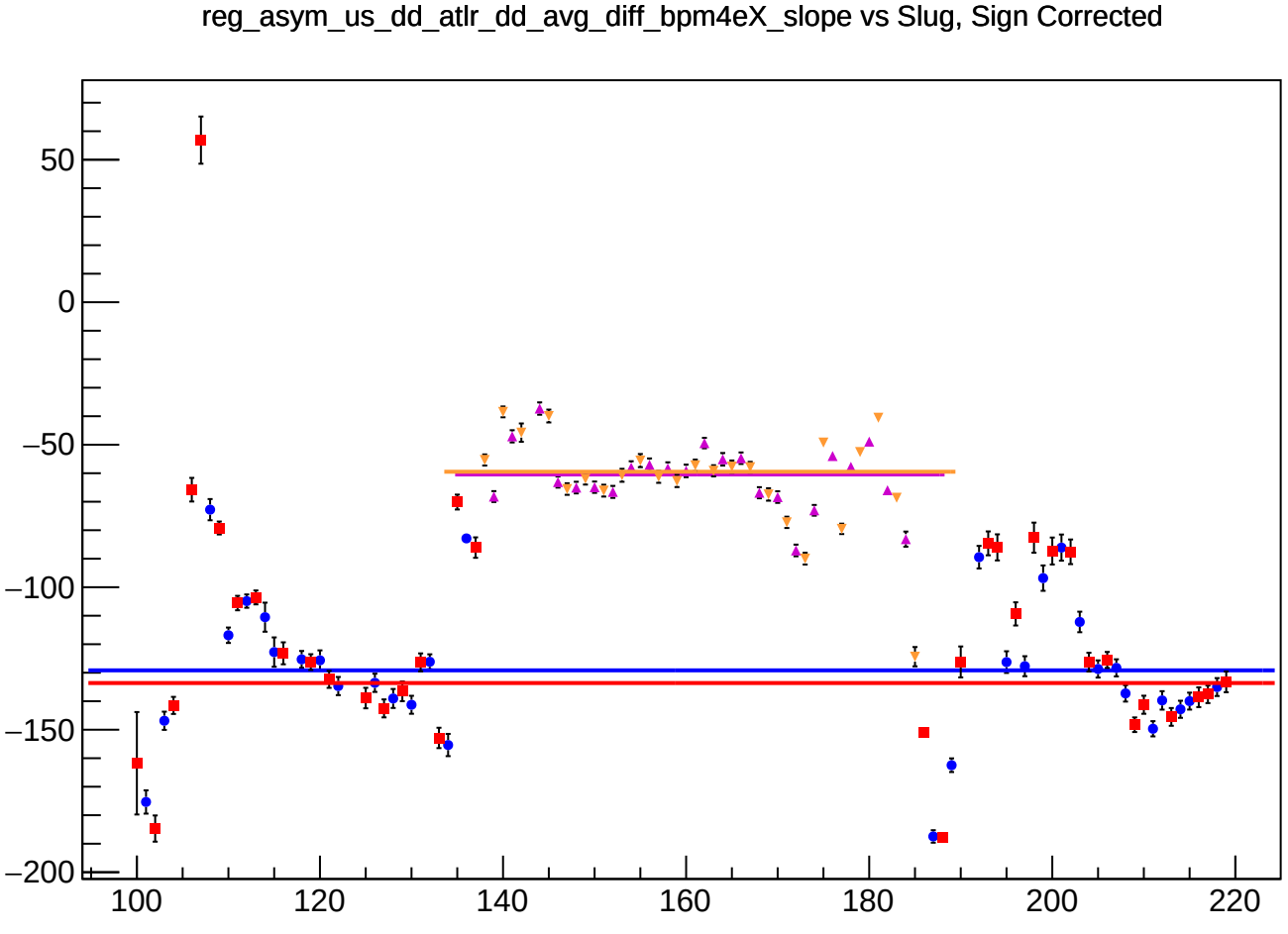
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

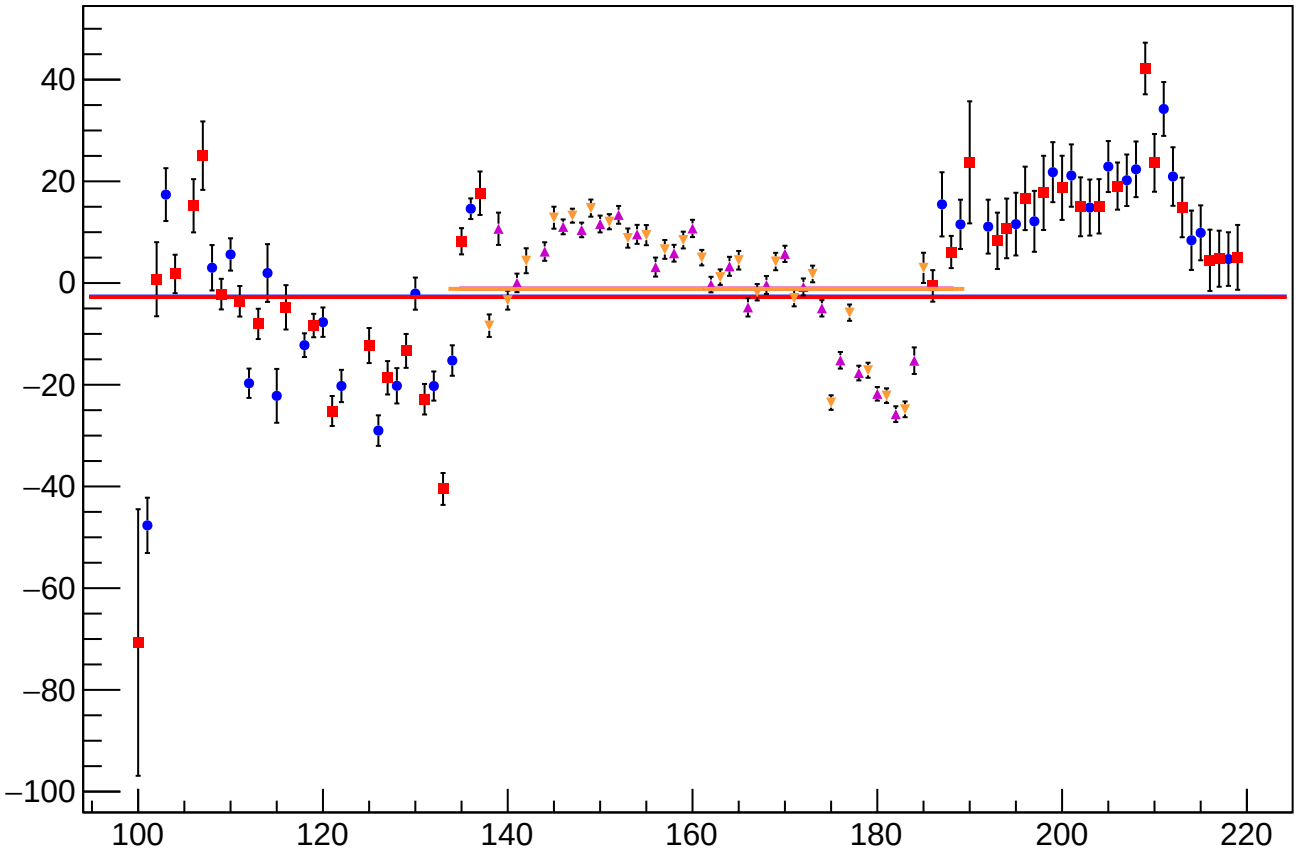
Right: -3.043+/-0.420 χ^2/NDF: 792.8/66

In: 3.217+/-0.278 χ^2/NDF:1256.2/54

Out: 3.092+/-0.271 χ^2/NDF:1295.6/58

All: 3.153+/-0.194 χ^2/NDF: 2551.9/113


reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
200
220
Right In: -129.170+/-0.541 χ²/NDF: 2588.3/31
Left Out: -59.480+/-0.395 χ²/NDF:1372.3/23
Right Out: -133.620+/-0.494 χ²/NDF: 5389.1/34
Left In: -60.435+/-0.400 χ²/NDF:668.3/22
Left: -59.952+/-0.281 χ²/NDF: 2043.4/46
Right: -131.597+/-0.365 χ²/NDF: 8014.3/66
In: -84.711+/-0.321 χ²/NDF:13711.2/54
Out: -88.410+/-0.308 χ²/NDF:20513.5/58
All: -86.637+/-0.222 χ²/NDF: 34293.7/113



Right In: -2.663+/-0.690 χ^2/NDF: 642.9/31

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -2.740+/-0.680 χ^2/NDF: 584.0/34

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

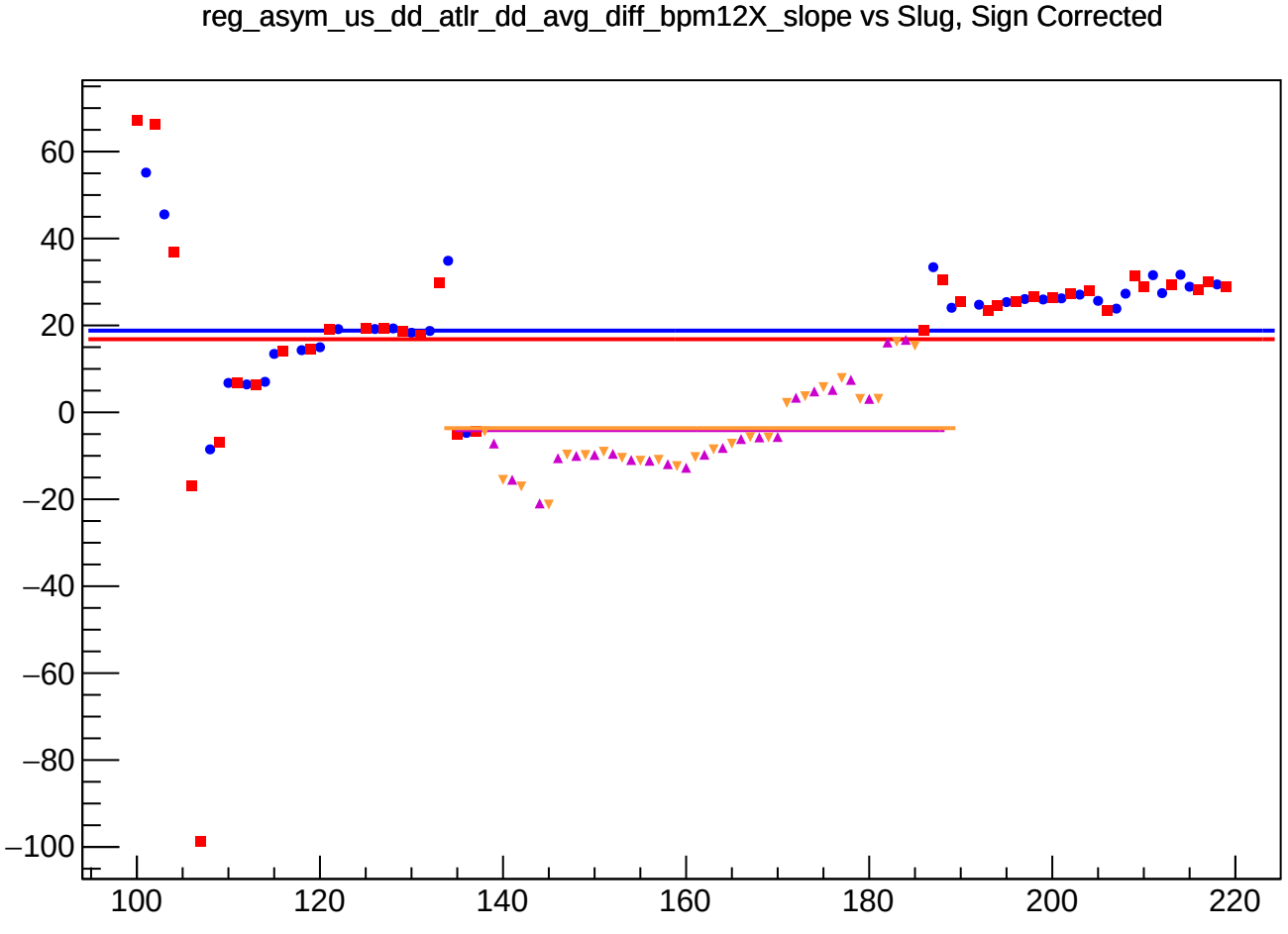
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -2.702+/-0.484 χ^2/NDF: 1226.9/66

In: -1.409+/-0.313 χ^2/NDF:1804.5/54

Out: -1.472+/-0.308 χ^2/NDF:1891.3/58

All: -1.441+/-0.220 χ^2/NDF: 3695.8/113



Right In: 18.806+/-0.035 χ^2/NDF: 220103.9/31

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 16.824+/-0.035 χ^2/NDF: 355843.2/34

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

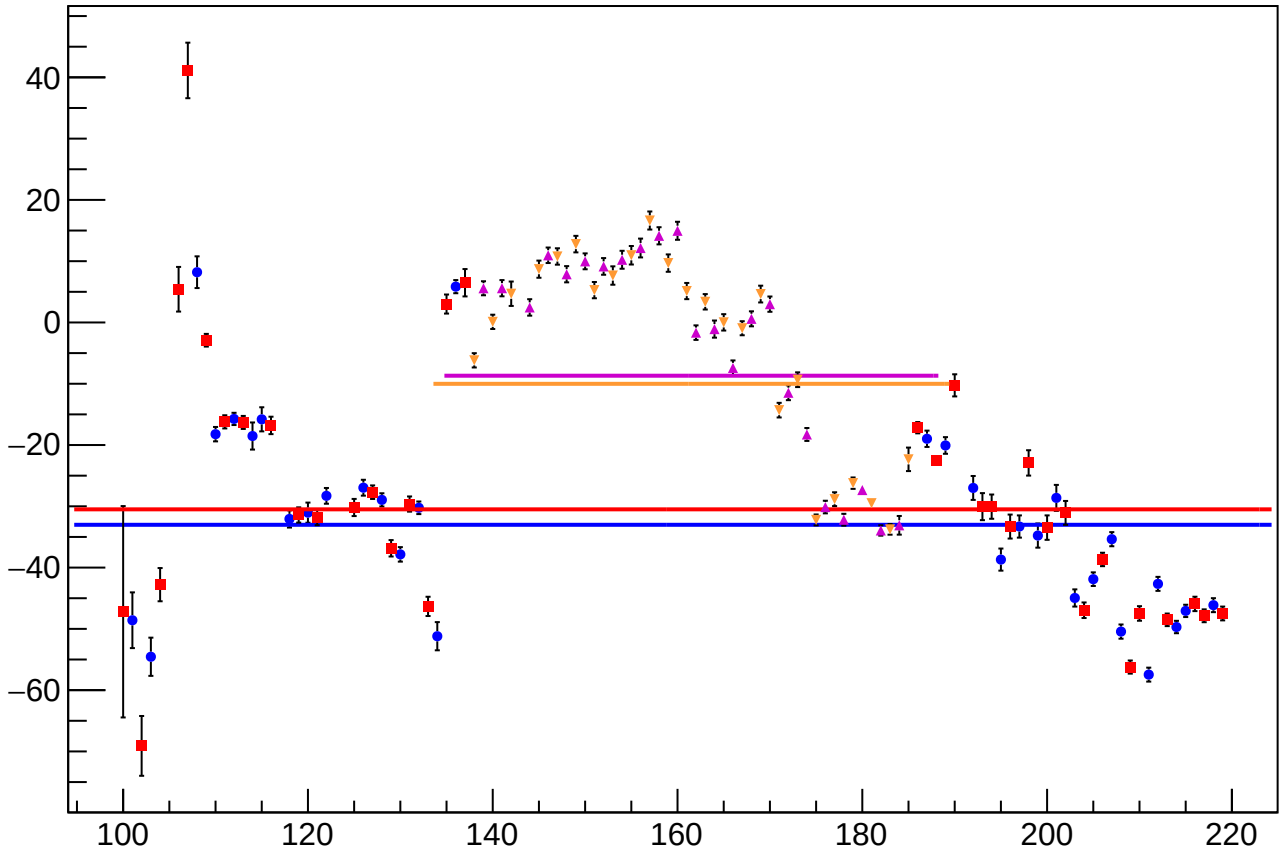
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 17.824+/-0.025 χ^2/NDF: 577554.1/66

In: -0.287+/-0.014 χ^2/NDF:914526.7/54

Out: -0.319+/-0.014 χ^2/NDF:986217.6/58

All: -0.303+/-0.010 χ^2/NDF: 1900746.9/113



Right In: -33.017+/-0.238 χ^2/NDF: 4064.0/31

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -30.496+/-0.227 χ^2/NDF: 4908.9/34

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

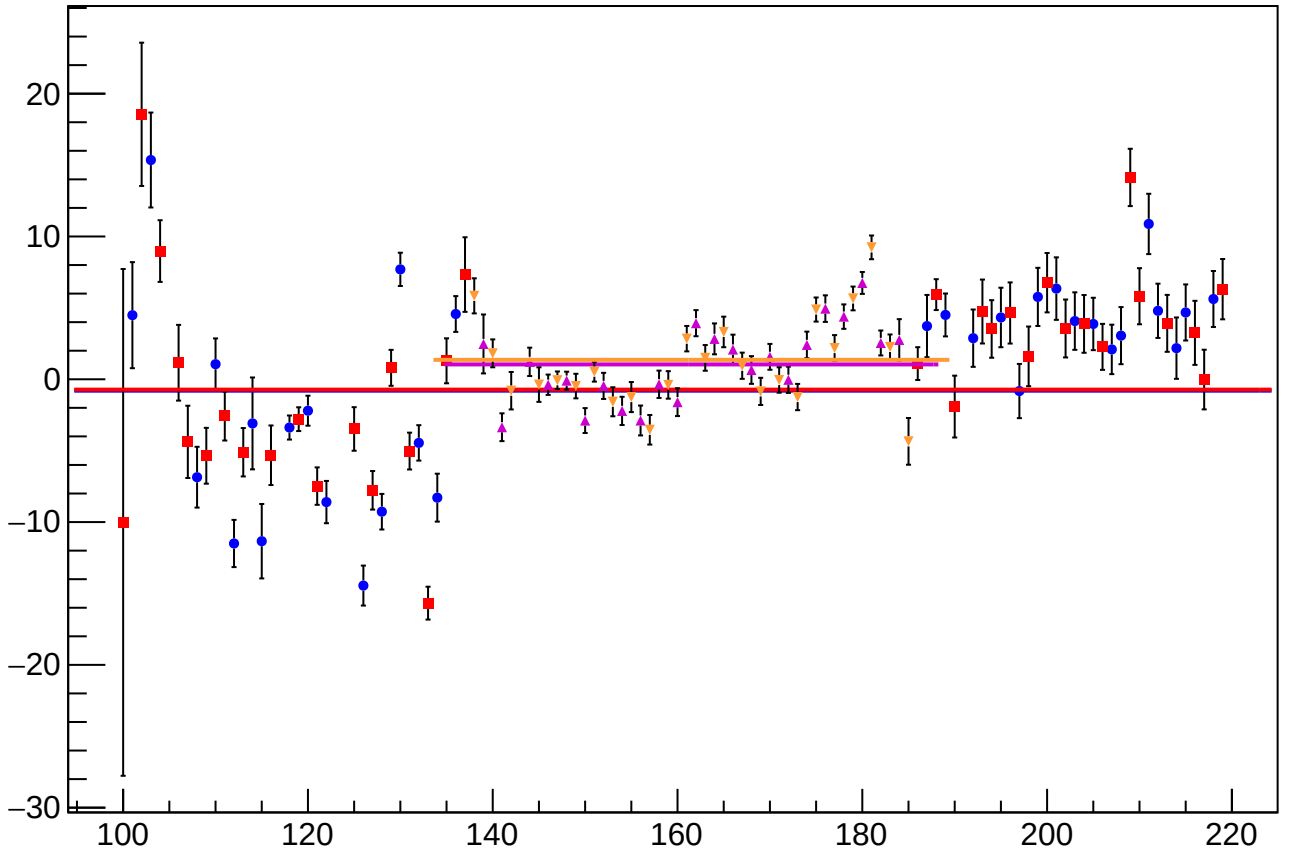
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -31.701+/-0.164 χ^2/NDF: 9031.6/66

In: -21.350+/-0.172 χ^2/NDF:14107.2/54

Out: -20.986+/-0.166 χ^2/NDF:13651.4/58

All: -21.162+/-0.119 χ^2/NDF: 27761.0/113



Right In: -0.796+/-0.291 χ^2/NDF: 499.7/31

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -0.725+/-0.283 χ^2/NDF: 482.3/34

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

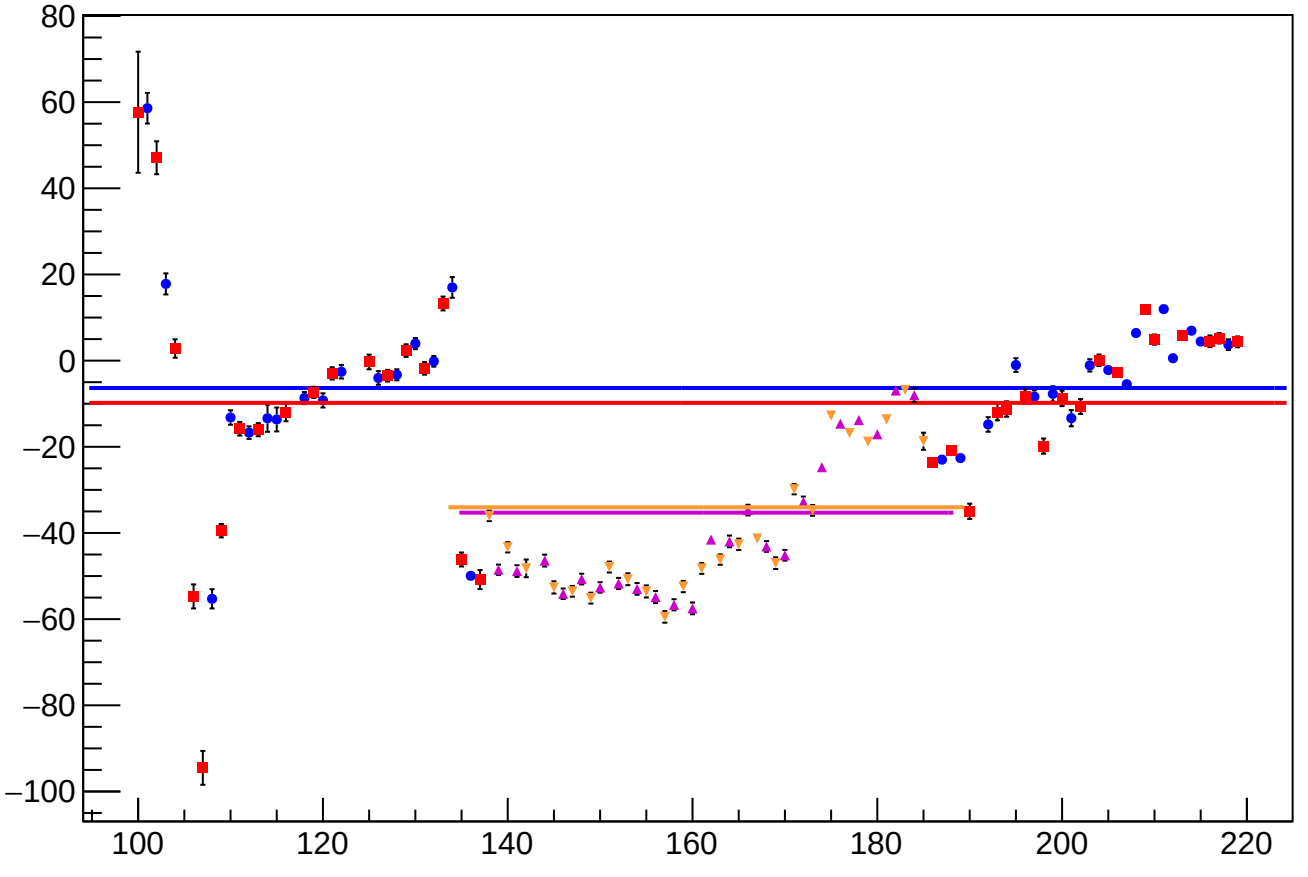
Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

Right: -0.759+/-0.203 χ^2/NDF: 982.1/66

In: 0.481+/-0.160 χ^2/NDF:723.5/54

Out: 0.720+/-0.157 χ^2/NDF:760.4/58

All: 0.603+/-0.112 χ^2/NDF: 1485.0/113



Right In: -6.346+/-0.250 χ^2/NDF: 4026.8/31

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -9.802+/-0.234 χ^2/NDF: 4774.9/34

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

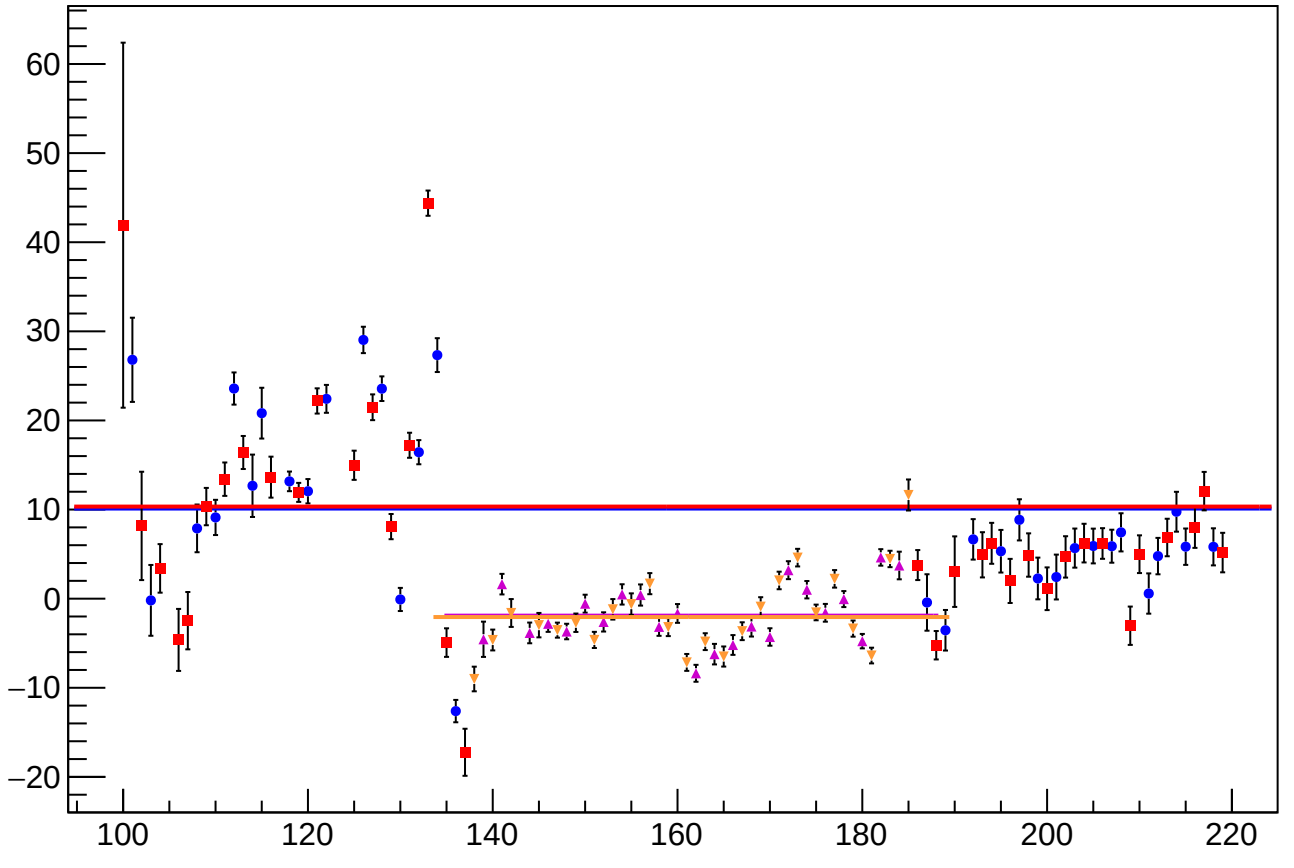
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

Right: -8.187+/-0.171 χ^2/NDF: 8903.4/66

In: -21.090+/-0.175 χ^2/NDF:15844.6/54

Out: -21.498+/-0.169 χ^2/NDF:14905.8/58

All: -21.302+/-0.121 χ^2/NDF: 30753.3/113



Right In: 10.114+/-0.332 χ^2/NDF: 1037.2/31

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

Right Out: 10.333+/-0.329 χ^2/NDF: 1226.1/34

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

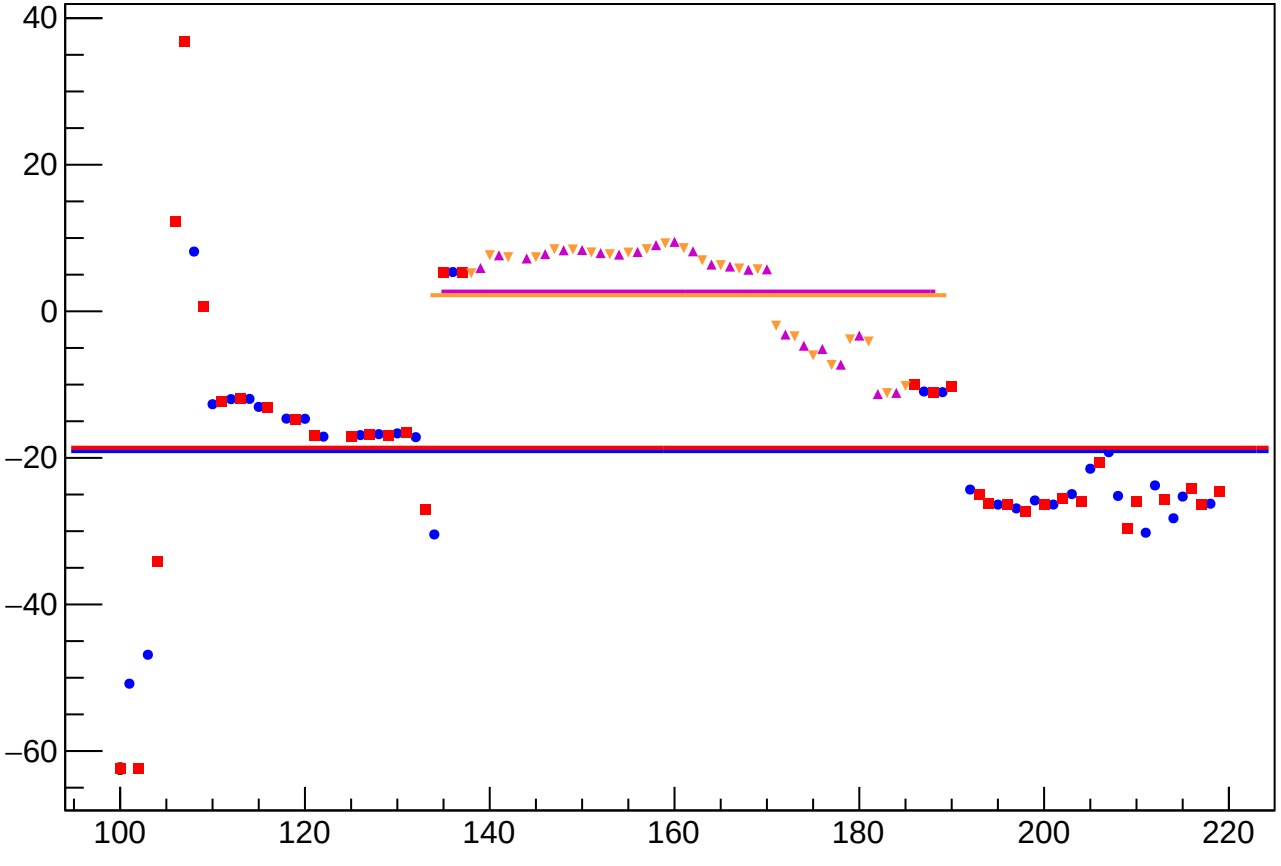
Right: 10.225+/-0.233 χ^2/NDF: 2263.5/66

In: 1.679+/-0.181 χ^2/NDF:2181.0/54

Out: 1.588+/-0.178 χ^2/NDF:2563.0/58

All: 1.633+/-0.127 χ^2/NDF: 4744.1/113

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.077+/-0.017 χ^2/NDF: 535210.5/31

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -18.608+/-0.017 χ^2/NDF: 617372.7/34

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

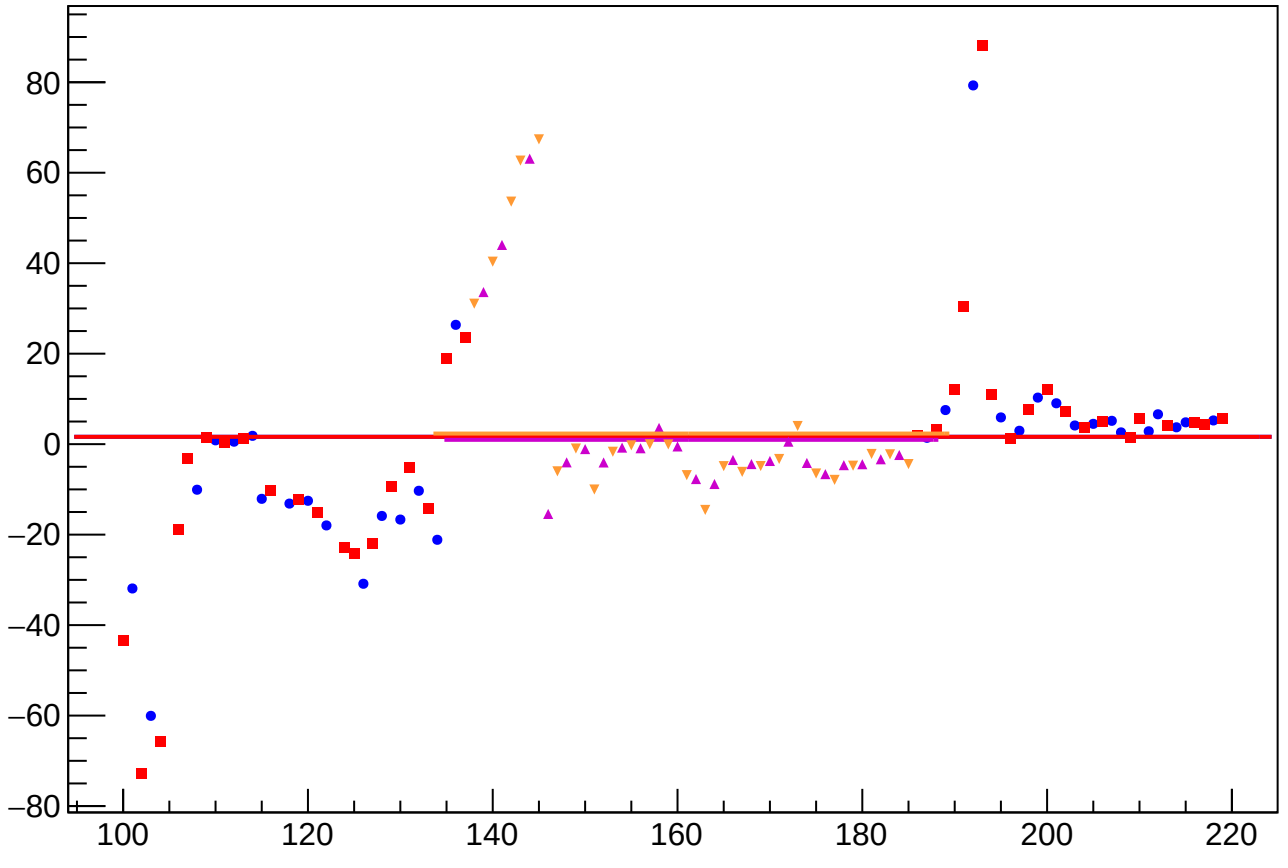
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -18.842+/-0.012 χ^2/NDF: 1152980.7/66

In: -2.706+/-0.008 χ^2/NDF:2322333.4/54

Out: -2.923+/-0.008 χ^2/NDF:2307576.0/58

All: -2.815+/-0.006 χ^2/NDF: 4630253.2/113



Right In: 1.628+/-0.034 χ^2/NDF: 121846.0/31

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 1.620+/-0.031 χ^2/NDF: 122903.0/36

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

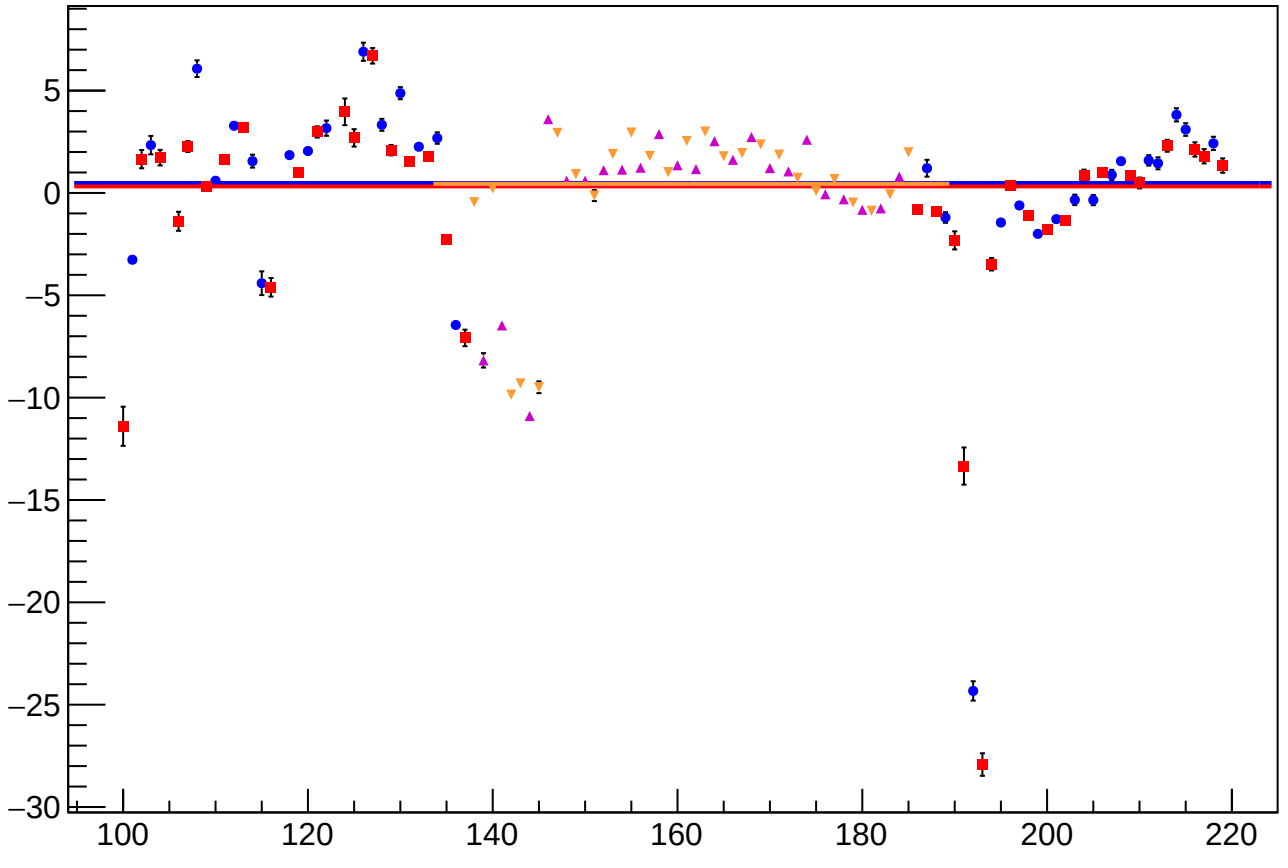
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: 1.624+/-0.023 χ^2/NDF: 244749.0/68

In: 1.342+/-0.026 χ^2/NDF:254527.8/54

Out: 1.892+/-0.025 χ^2/NDF:300089.2/61

All: 1.632+/-0.018 χ^2/NDF: 554851.2/116



Right In: 0.485+/-0.044 χ^2/NDF: 6130.6/31

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.321+/-0.042 χ^2/NDF: 5206.6/36

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

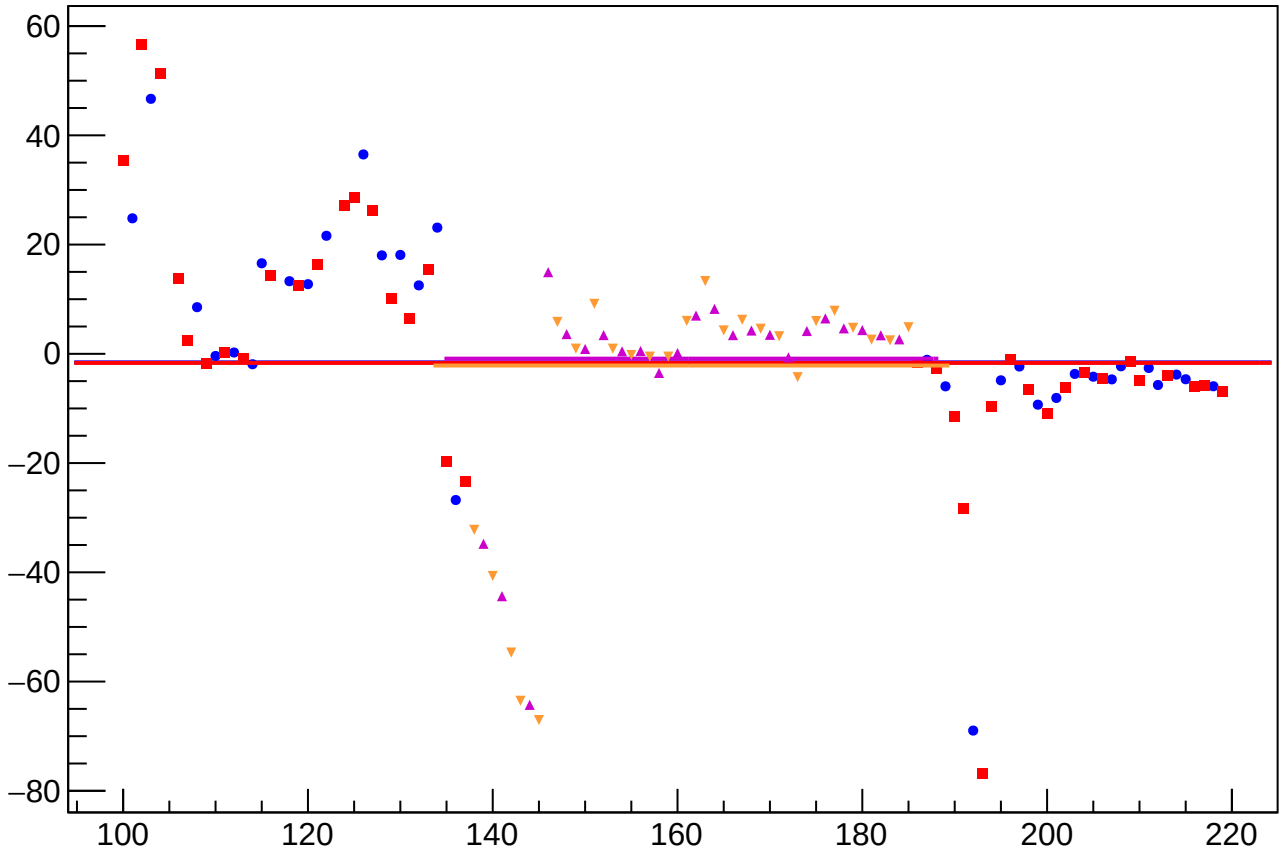
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.399+/-0.030 χ^2/NDF: 11344.5/68

In: 0.447+/-0.026 χ^2/NDF:13234.1/54

Out: 0.398+/-0.026 χ^2/NDF:12256.4/61

All: 0.423+/-0.018 χ^2/NDF: 25492.3/116



Right In: -1.567+/-0.036 χ^2/NDF: 120218.1/31

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -1.657+/-0.033 χ^2/NDF: 121410.1/36

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

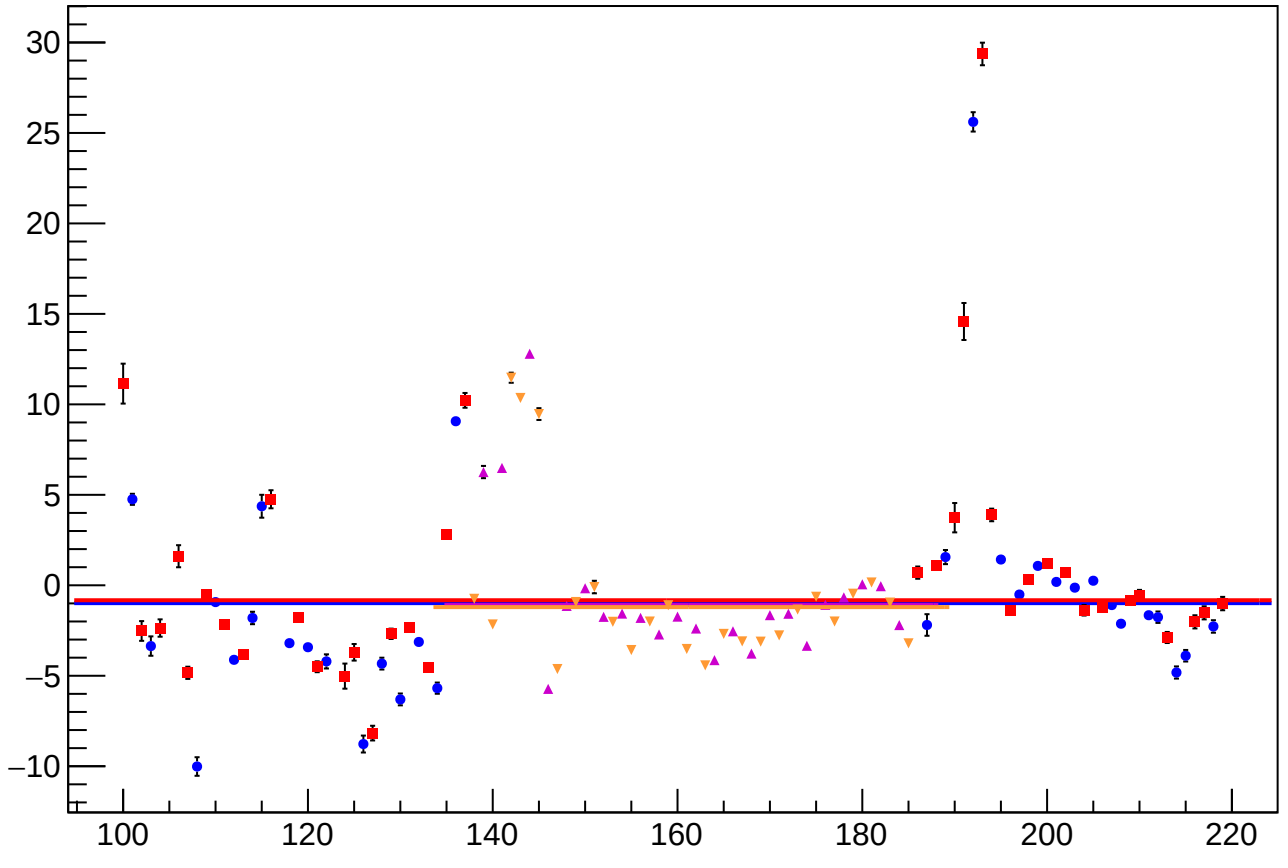
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -1.615+/-0.024 χ^2/NDF: 241631.7/68

In: -1.257+/-0.026 χ^2/NDF:249582.3/54

Out: -1.854+/-0.026 χ^2/NDF:292768.0/61

All: -1.565+/-0.018 χ^2/NDF: 542613.0/116



Right In: -0.986+/-0.050 χ^2/NDF: 7614.7/31

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -0.827+/-0.048 χ^2/NDF: 5674.9/36

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

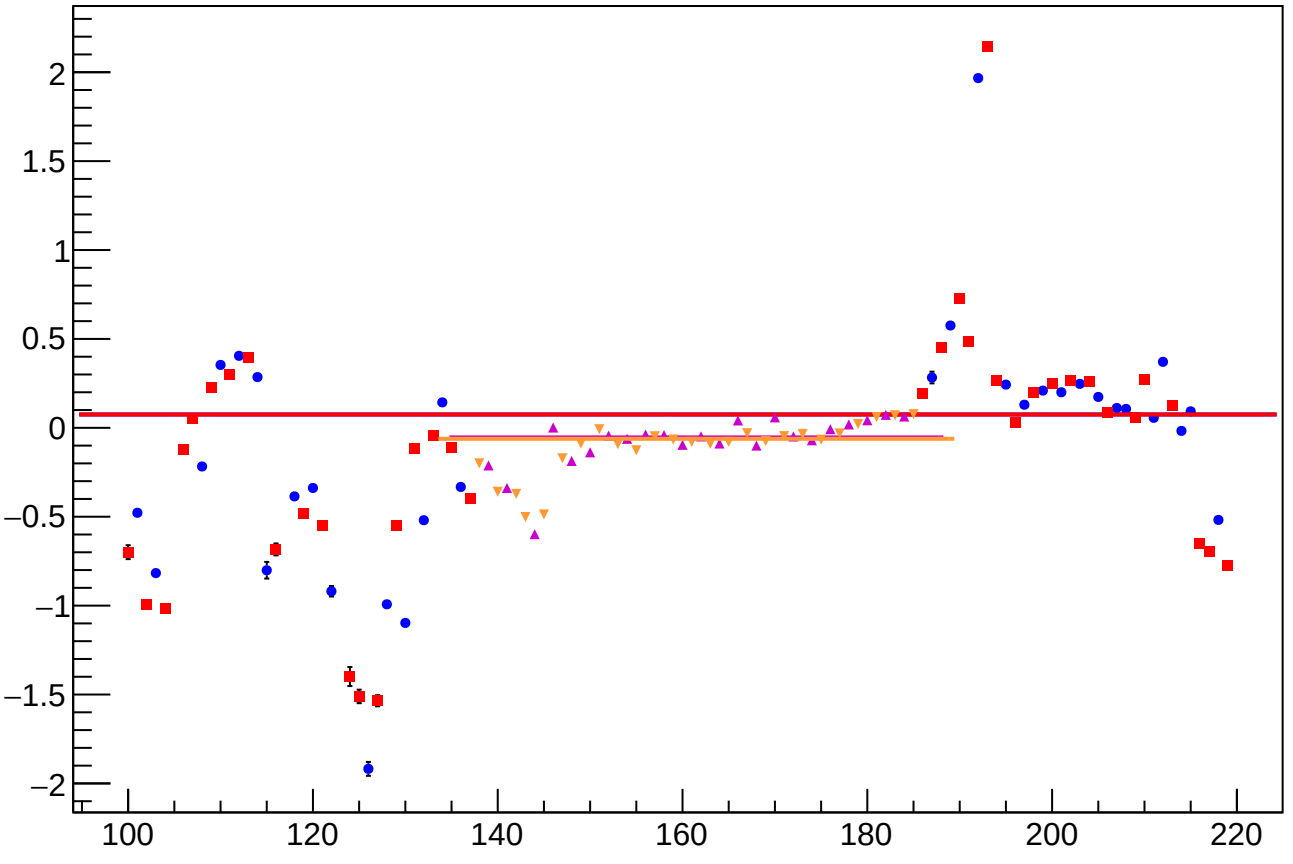
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.903+/-0.035 χ^2/NDF: 13294.9/68

In: -1.059+/-0.029 χ^2/NDF:14647.0/54

Out: -1.068+/-0.029 χ^2/NDF:12717.6/61

All: -1.063+/-0.020 χ^2/NDF: 27364.7/116



Right In: 0.075+/-0.002 χ^2/NDF: 35395.5/31

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.075+/-0.002 χ^2/NDF: 38970.6/36

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

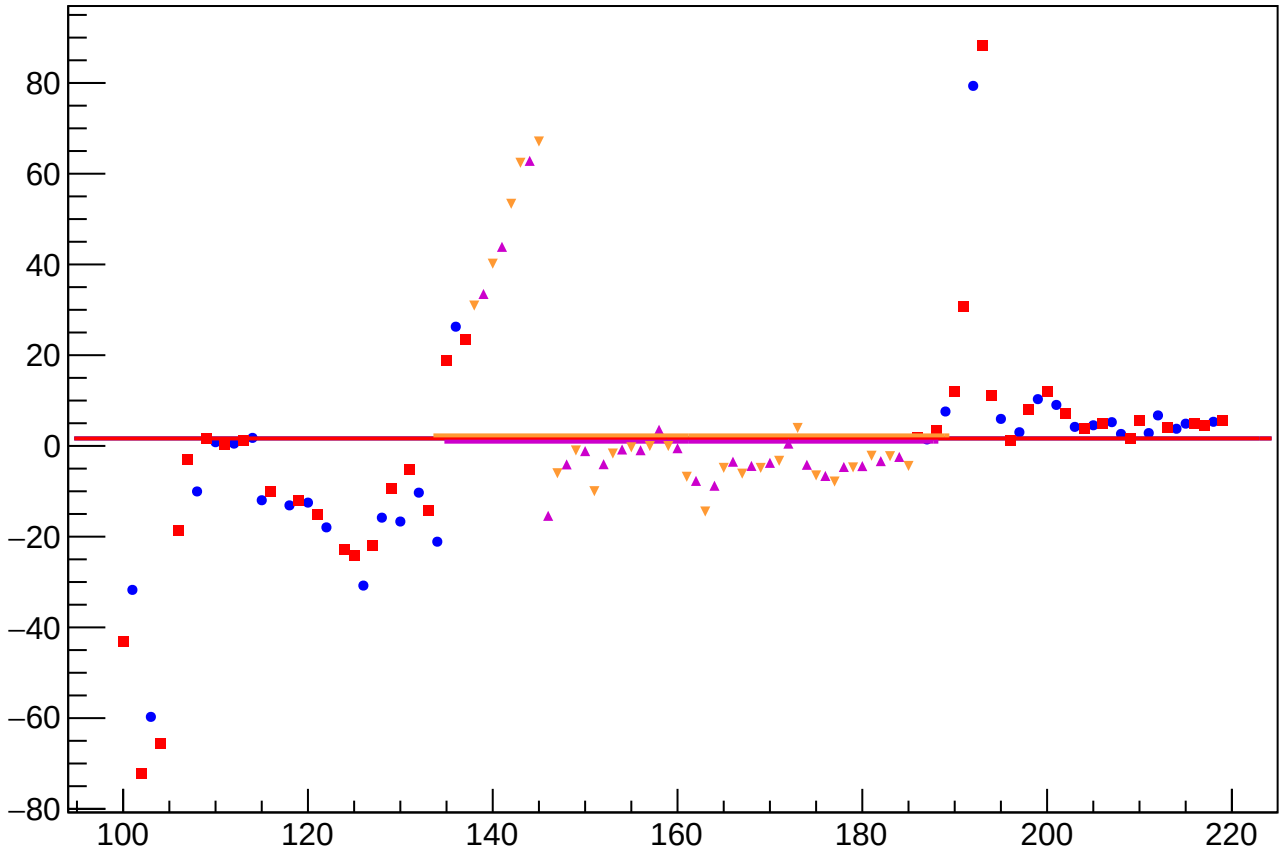
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.075+/-0.002 χ^2/NDF: 74366.1/68

In: -0.015+/-0.001 χ^2/NDF:42697.9/54

Out: -0.015+/-0.001 χ^2/NDF:47197.3/61

All: -0.015+/-0.001 χ^2/NDF: 89895.4/116



Right In: 1.653+/-0.034 χ^2/NDF: 122427.8/31

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 1.646+/-0.031 χ^2/NDF: 123540.5/36

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

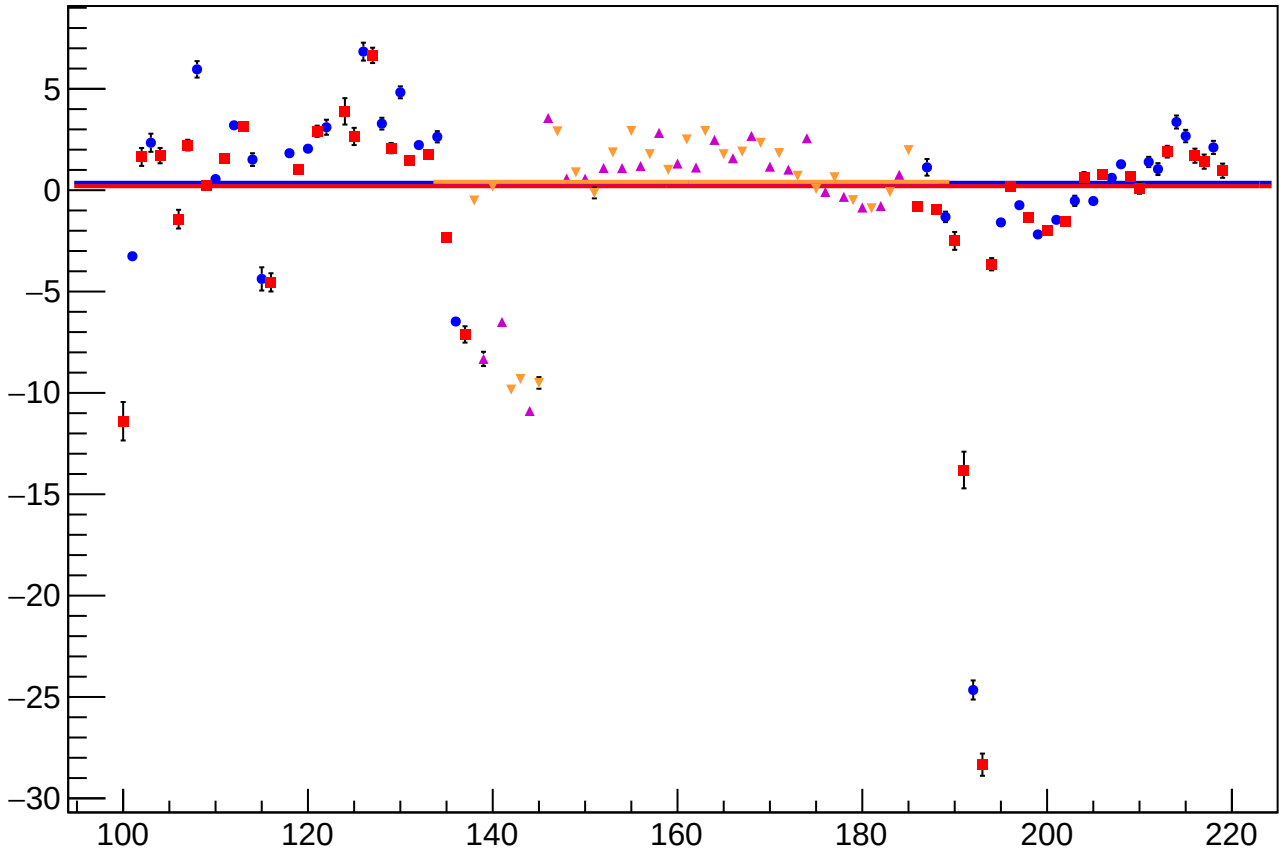
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 1.649+/-0.023 χ^2/NDF: 245968.4/68

In: 1.348+/-0.026 χ^2/NDF:255020.1/54

Out: 1.898+/-0.025 χ^2/NDF:300462.3/61

All: 1.638+/-0.018 χ^2/NDF: 555719.0/116



Right In: 0.365+/-0.044 χ^2/NDF: 6200.8/31

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.196+/-0.042 χ^2/NDF: 5335.6/36

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

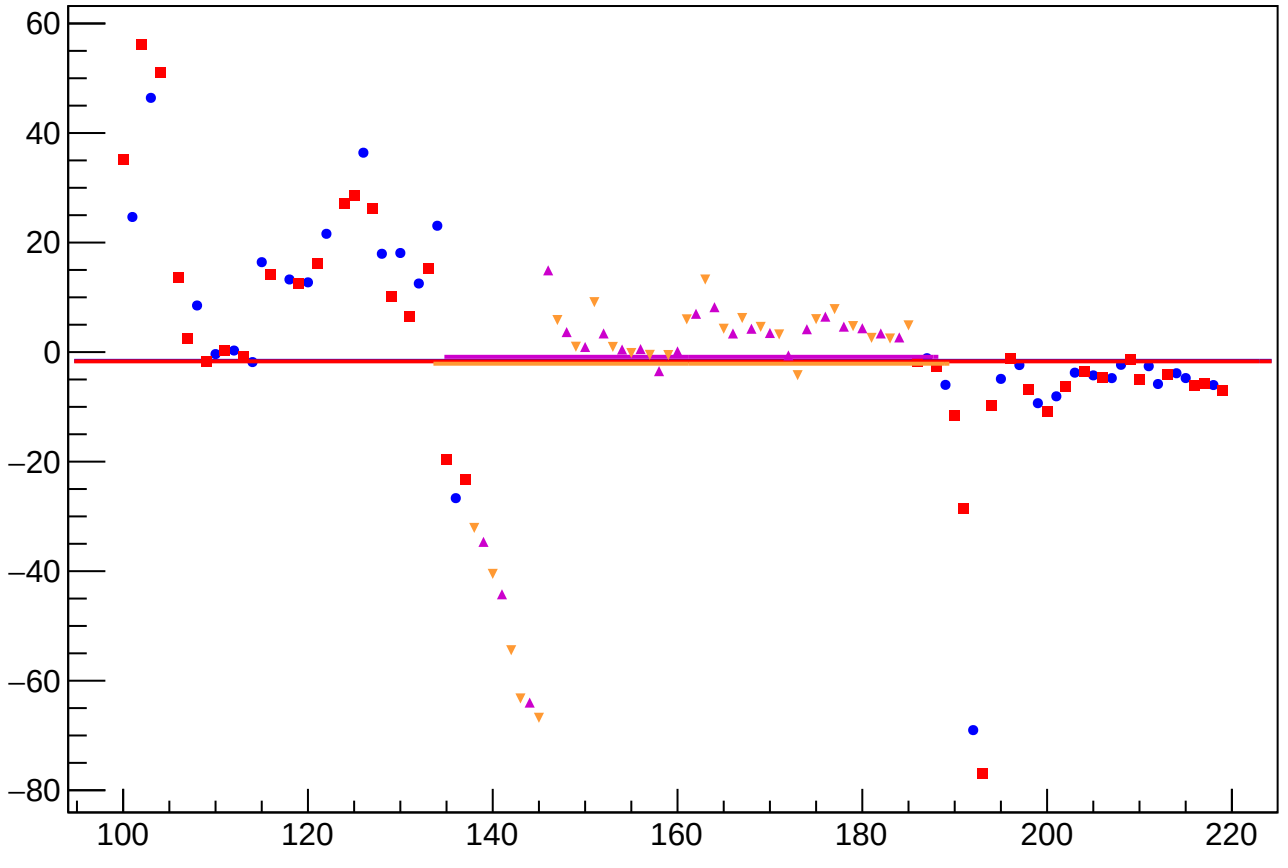
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.277+/-0.030 χ^2/NDF: 11544.2/68

In: 0.381+/-0.025 χ^2/NDF:13315.2/54

Out: 0.331+/-0.026 χ^2/NDF:12399.7/61

All: 0.356+/-0.018 χ^2/NDF: 25716.8/116



Right In: -1.596+/-0.036 χ^2/NDF: 120748.5/31

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -1.687+/-0.033 χ^2/NDF: 122009.1/36

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

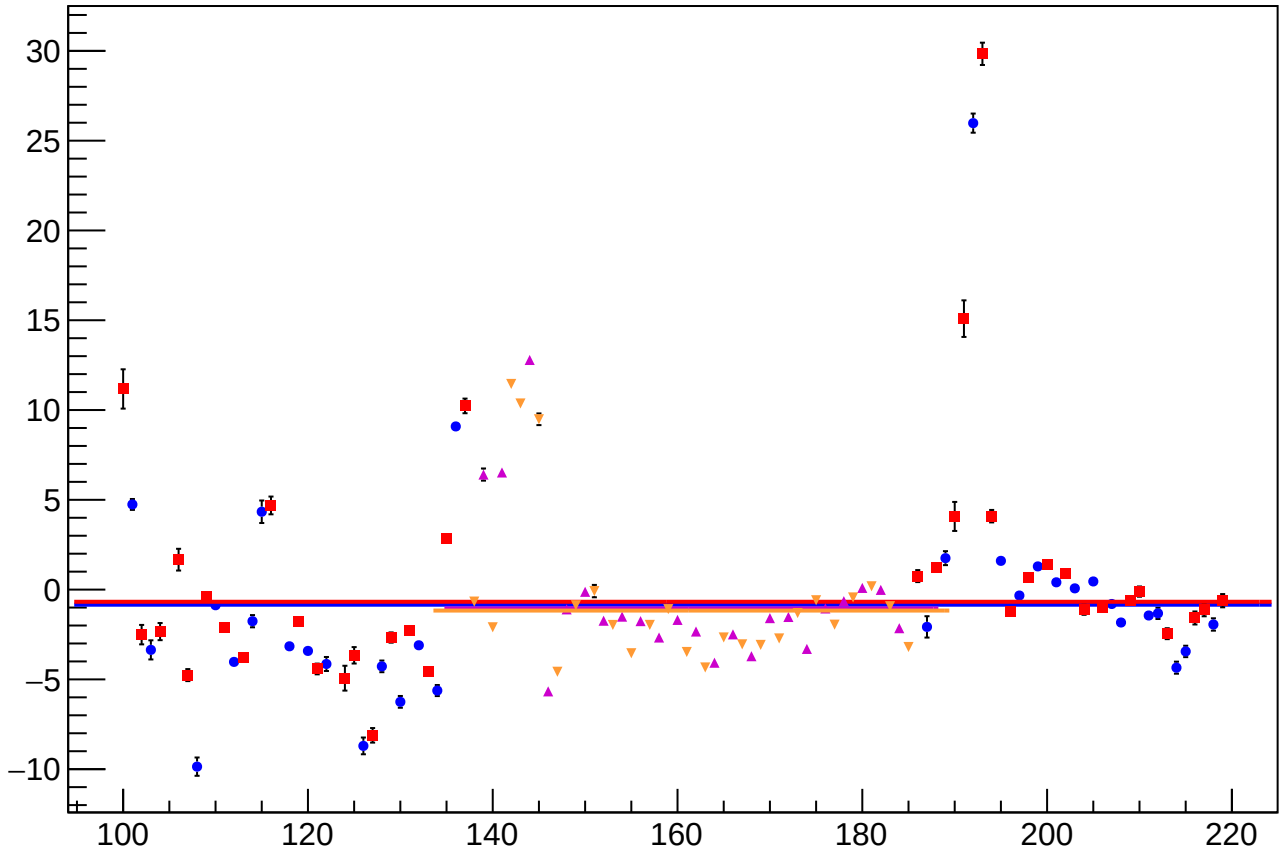
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: -1.645+/-0.024 χ^2/NDF: 242761.2/68

In: -1.264+/-0.026 χ^2/NDF:250027.7/54

Out: -1.861+/-0.025 χ^2/NDF:293118.1/61

All: -1.573+/-0.018 χ^2/NDF: 543411.7/116



Right In: -0.841+/-0.050 χ^2/NDF: 7673.2/31

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.677+/-0.048 χ^2/NDF: 5813.0/36

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

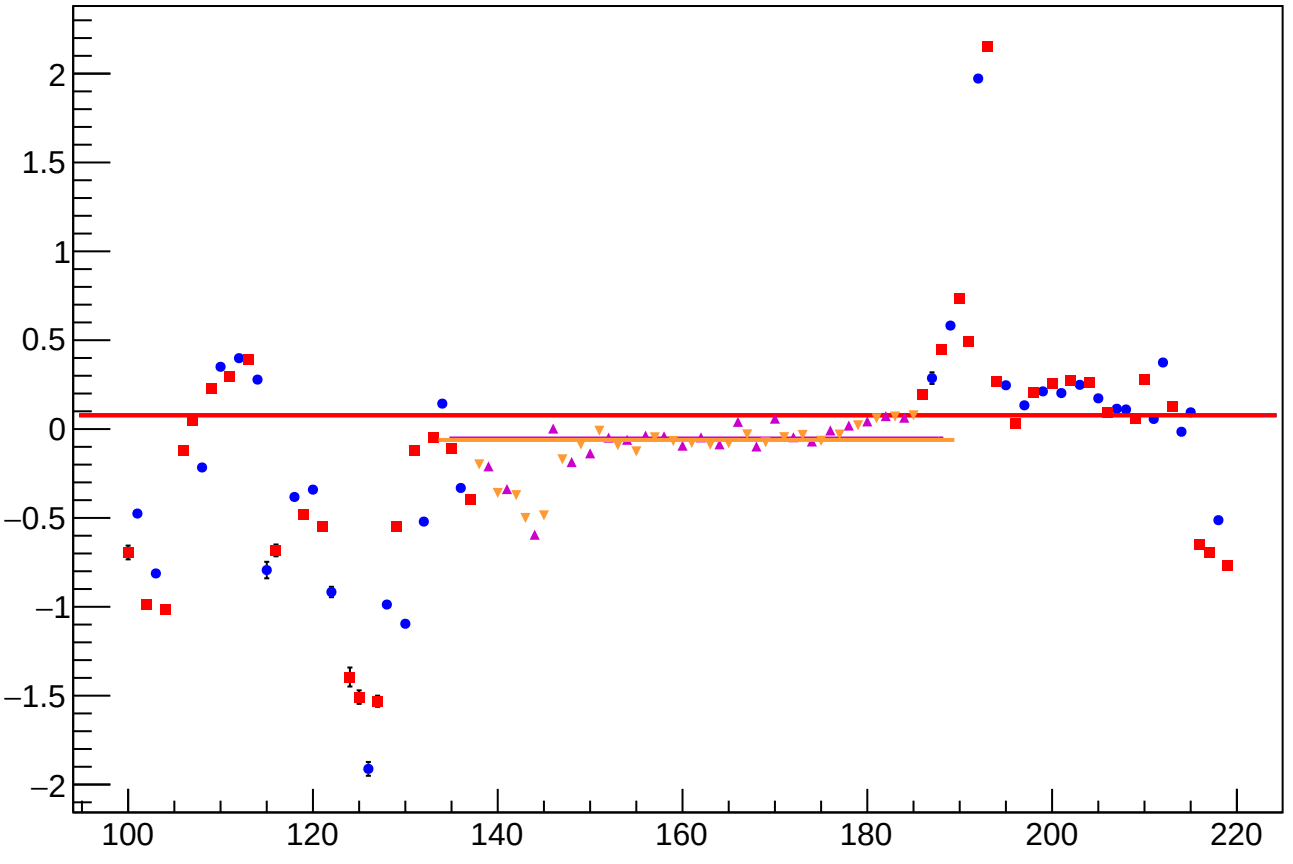
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.755+/-0.035 χ^2/NDF: 13491.8/68

In: -0.981+/-0.029 χ^2/NDF:14725.5/54

Out: -0.989+/-0.029 χ^2/NDF:12881.2/61

All: -0.985+/-0.020 χ^2/NDF: 27606.7/116



Right In: 0.077+/-0.002 χ^2/NDF: 35670.6/31

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.078+/-0.002 χ^2/NDF: 39313.8/36

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

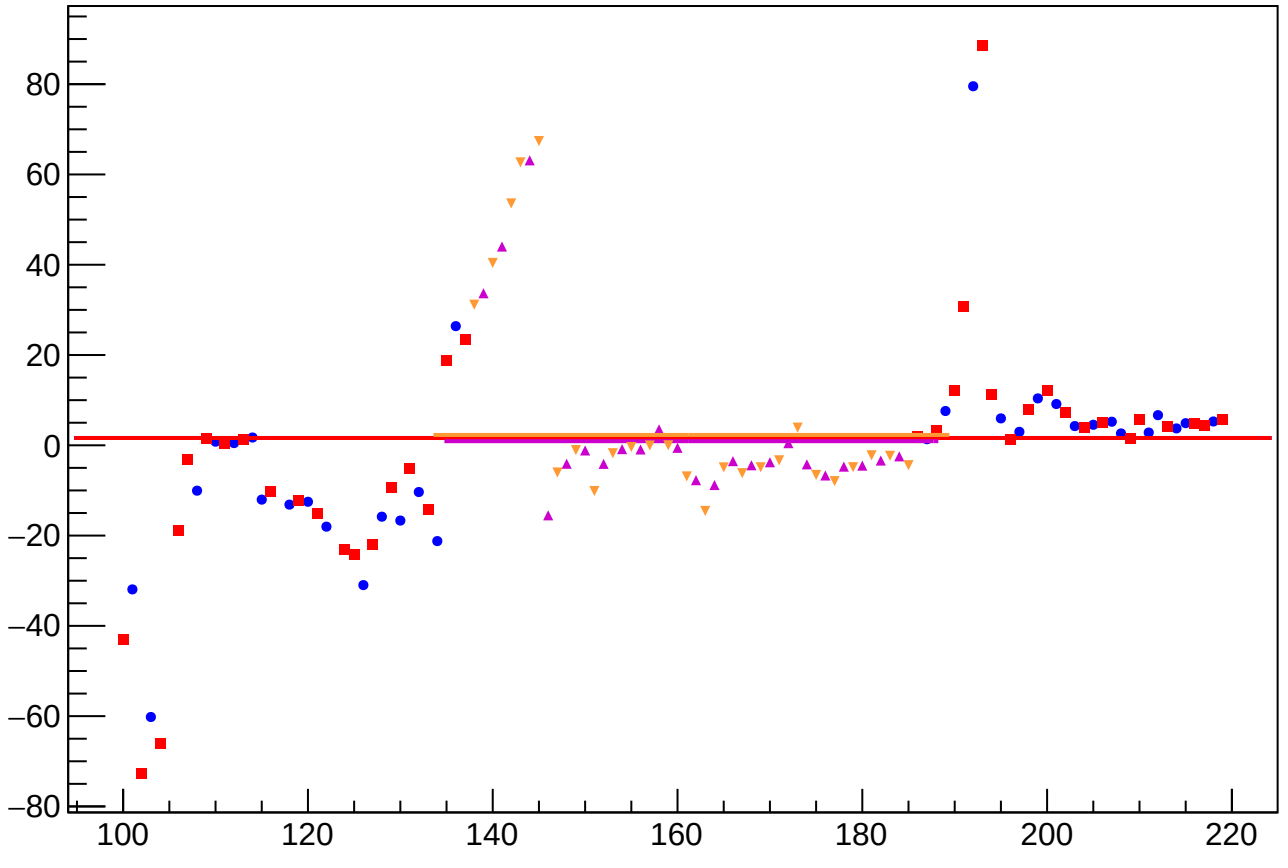
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: 0.078+/-0.002 χ^2/NDF: 74984.4/68

In: -0.013+/-0.001 χ^2/NDF:43020.1/54

Out: -0.014+/-0.001 χ^2/NDF:47671.0/61

All: -0.014+/-0.001 χ^2/NDF: 90691.3/116



Right In: 1.624+/-0.034 χ^2/NDF: 122441.3/31

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 1.617+/-0.031 χ^2/NDF: 123518.9/36

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

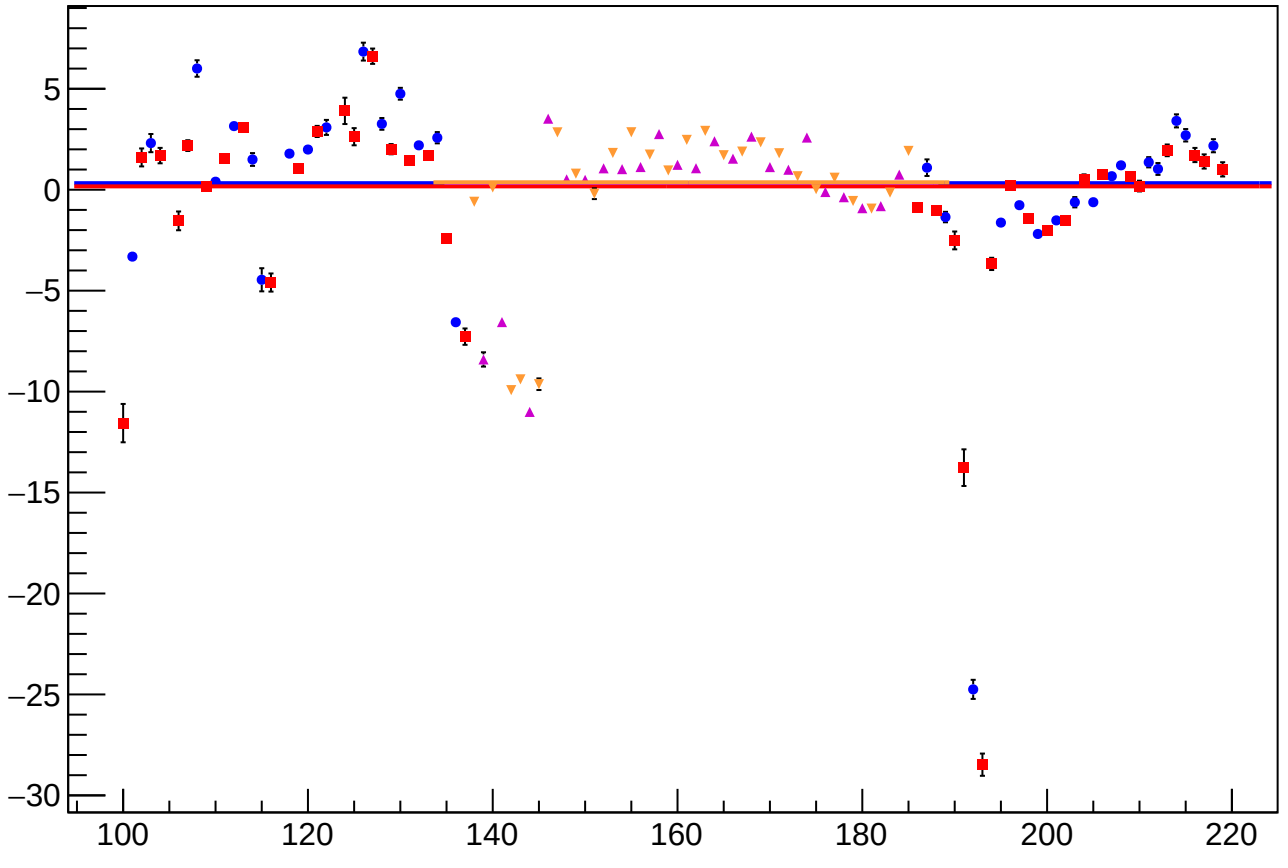
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: 1.620+/-0.023 χ^2/NDF: 245960.3/68

In: 1.321+/-0.026 χ^2/NDF:255196.9/54

Out: 1.872+/-0.025 χ^2/NDF:300882.2/61

All: 1.611+/-0.018 χ^2/NDF: 556314.9/116



Right In: 0.324+/-0.044 χ^2/NDF: 6198.1/31

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.166+/-0.042 χ^2/NDF: 5335.3/36

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

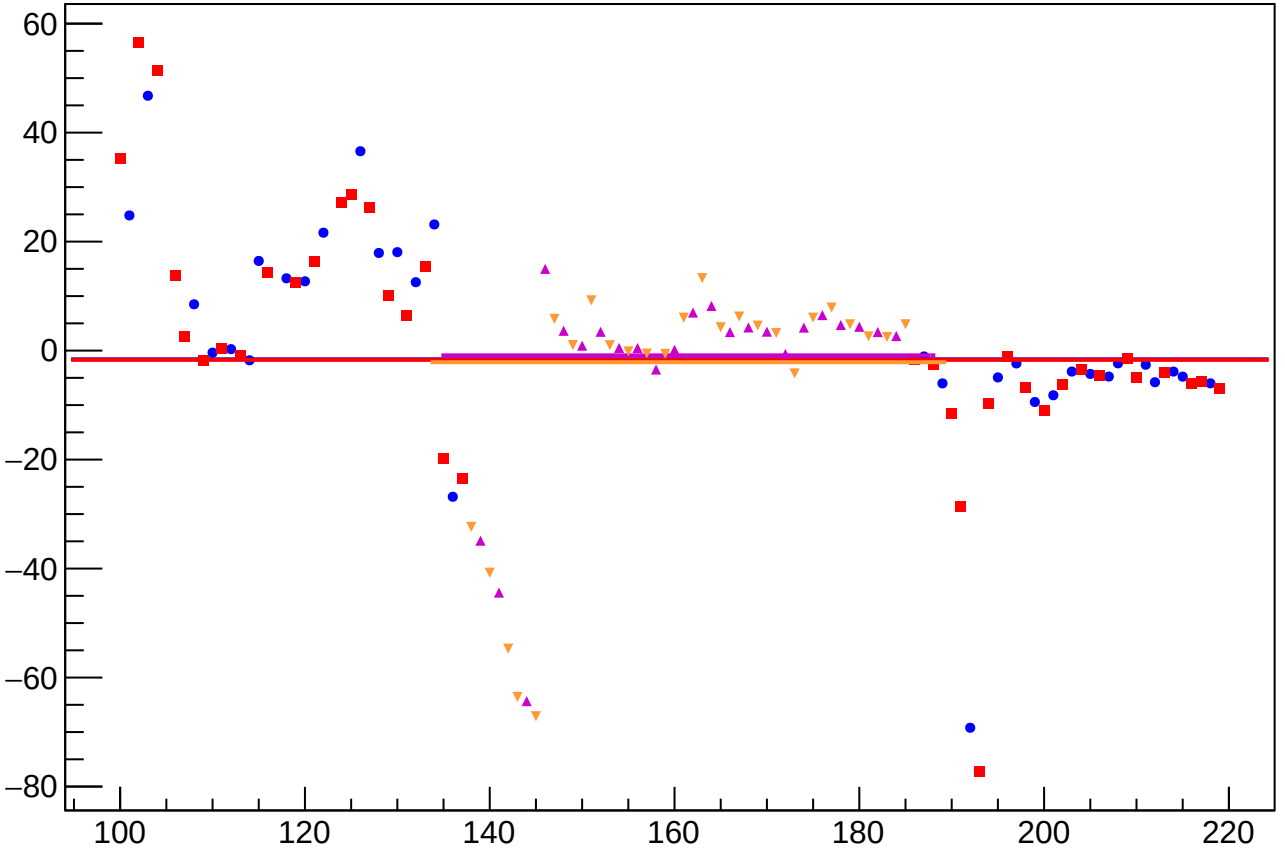
Right: 0.241+/-0.030 χ^2/NDF: 11540.2/68

In: 0.333+/-0.026 χ^2/NDF:13292.4/54

Out: 0.291+/-0.026 χ^2/NDF:12417.6/61

All: 0.312+/-0.018 χ^2/NDF: 25711.3/116

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.599+/-0.036 χ^2/NDF: 120781.8/31

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -1.688+/-0.033 χ^2/NDF: 122018.1/36

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

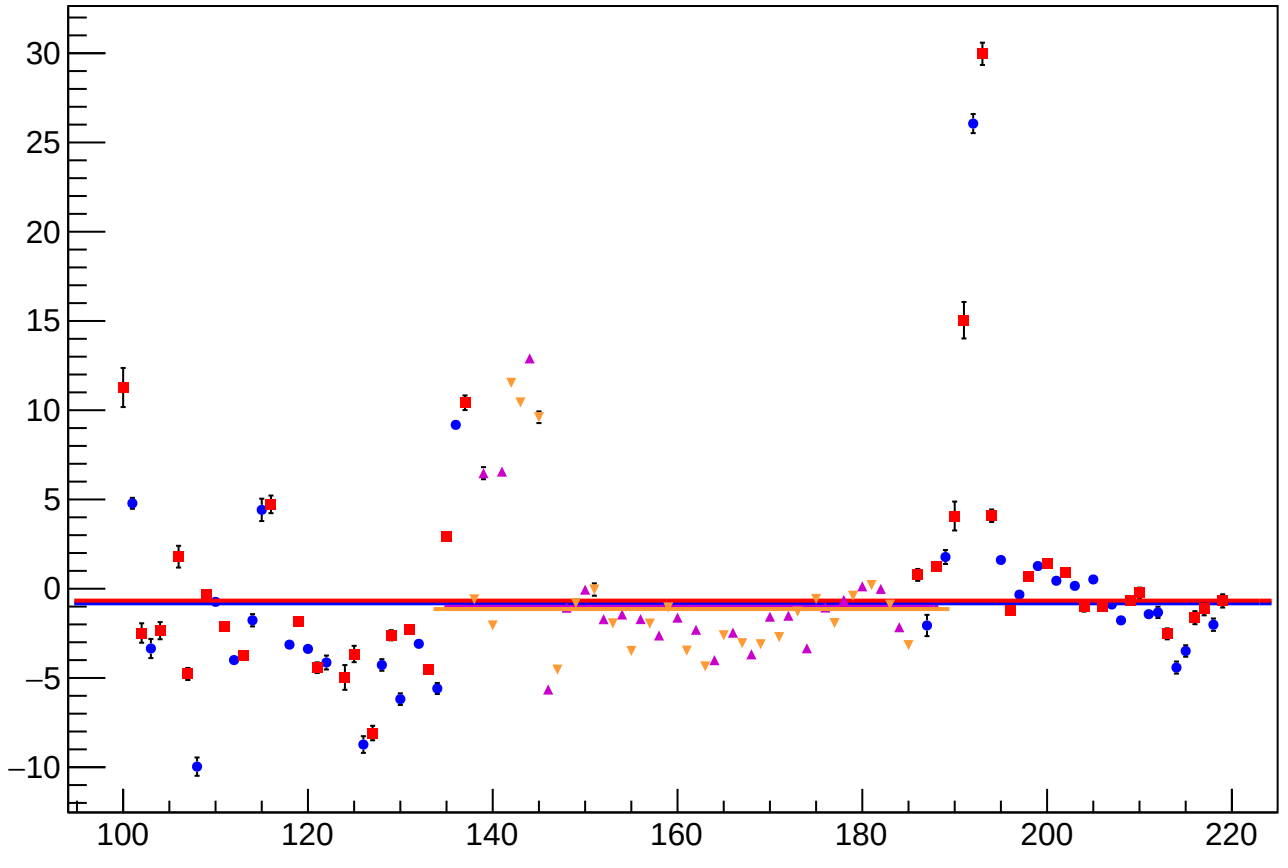
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: -1.647+/-0.024 χ^2/NDF: 242803.3/68

In: -1.270+/-0.026 χ^2/NDF:250232.0/54

Out: -1.867+/-0.026 χ^2/NDF:293557.8/61

All: -1.579+/-0.018 χ^2/NDF: 544053.0/116



Right In: -0.817+/-0.050 χ^2/NDF: 7677.1/31

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.667+/-0.048 χ^2/NDF: 5820.3/36

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

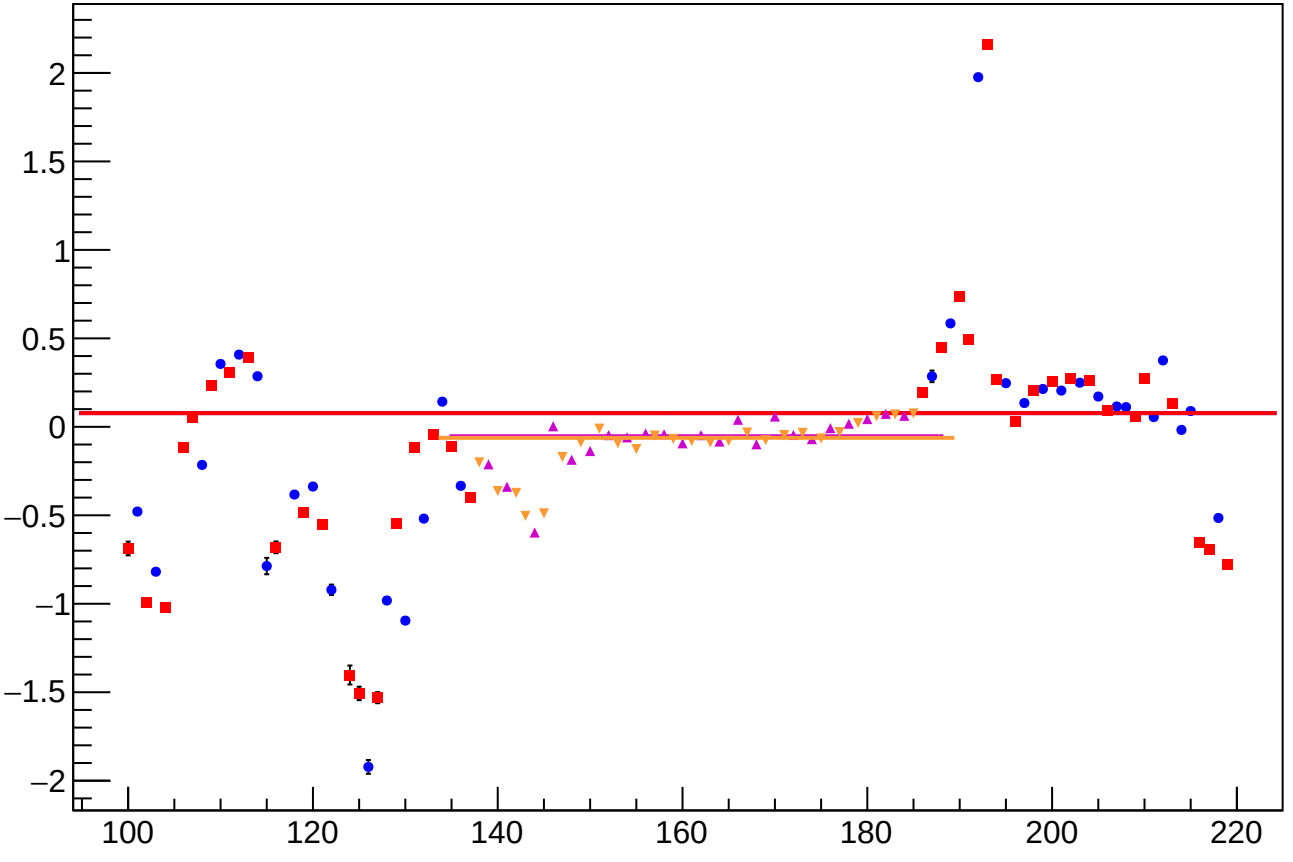
Right: -0.739+/-0.035 χ^2/NDF: 13502.1/68

In: -0.950+/-0.029 χ^2/NDF:14714.6/54

Out: -0.968+/-0.029 χ^2/NDF:12904.8/61

All: -0.959+/-0.020 χ^2/NDF: 27619.6/116

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.077+/-0.002 χ^2/NDF: 35657.2/31

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.078+/-0.002 χ^2/NDF: 39253.3/36

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

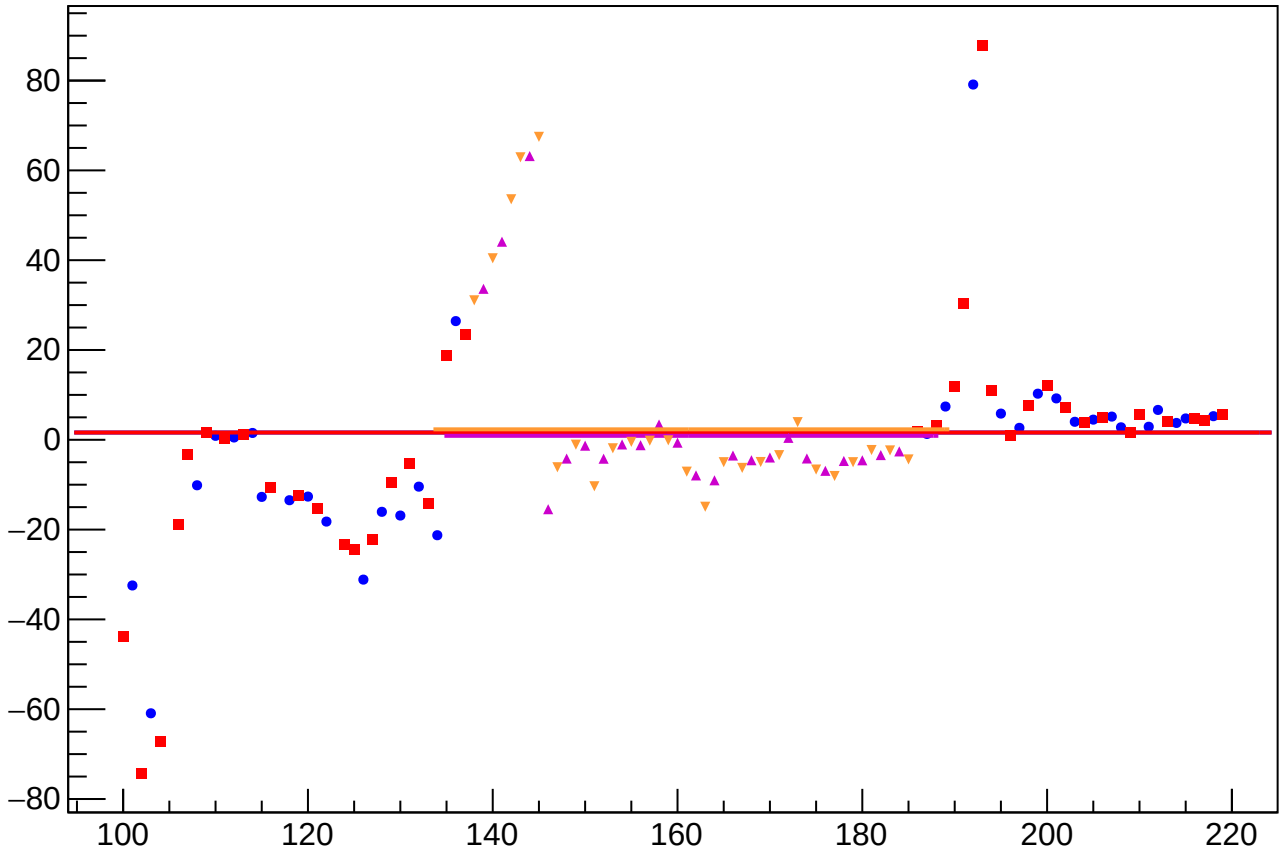
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.078+/-0.002 χ^2/NDF: 74910.5/68

In: -0.014+/-0.001 χ^2/NDF:42975.6/54

Out: -0.015+/-0.001 χ^2/NDF:47617.7/61

All: -0.014+/-0.001 χ^2/NDF: 90593.8/116



Right In: 1.619+/-0.035 χ^2/NDF: 120541.8/31

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 1.619+/-0.032 χ^2/NDF: 121854.7/36

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

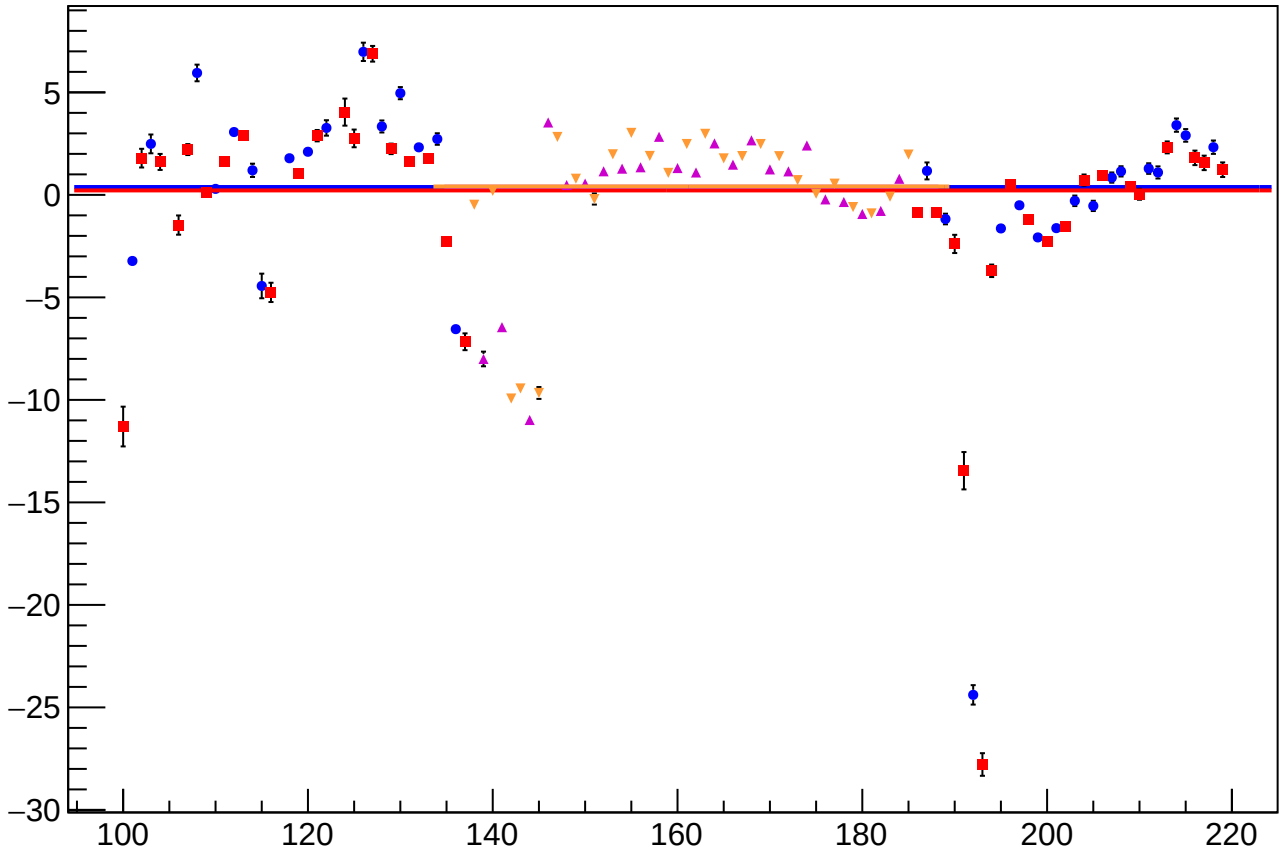
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: 1.619+/-0.023 χ^2/NDF: 242396.5/68

In: 1.310+/-0.026 χ^2/NDF:251145.6/54

Out: 1.884+/-0.025 χ^2/NDF:296689.7/61

All: 1.612+/-0.018 χ^2/NDF: 548082.4/116



Right In: 0.383+/-0.045 χ^2/NDF: 6037.5/31

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.218+/-0.042 χ^2/NDF: 5160.1/36

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

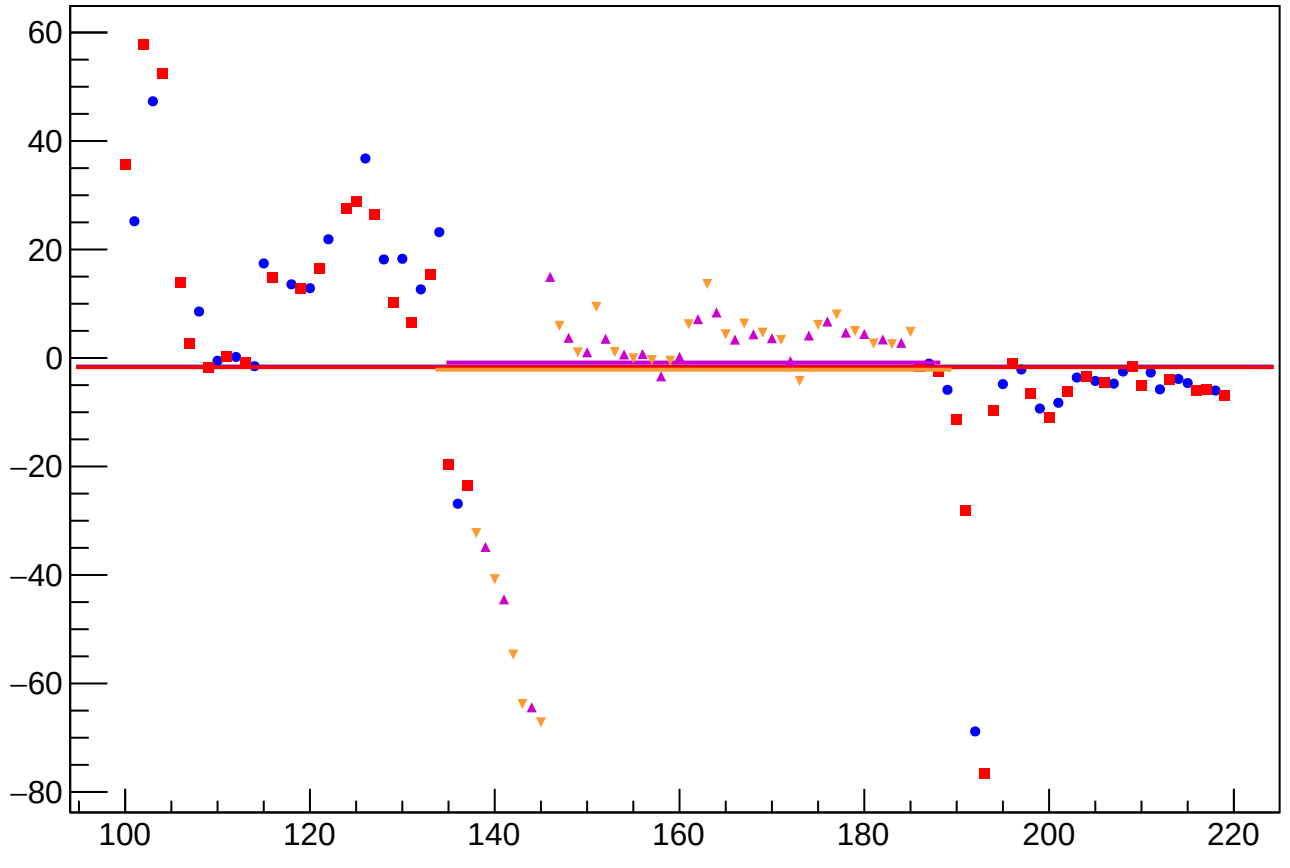
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.296+/-0.031 χ^2/NDF: 11204.8/68

In: 0.392+/-0.026 χ^2/NDF:12969.5/54

Out: 0.336+/-0.026 χ^2/NDF:12220.7/61

All: 0.364+/-0.018 χ^2/NDF: 25192.4/116



Right In: -1.595+/-0.036 χ^2/NDF: 118928.3/31

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -1.689+/-0.033 χ^2/NDF: 120359.4/36

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

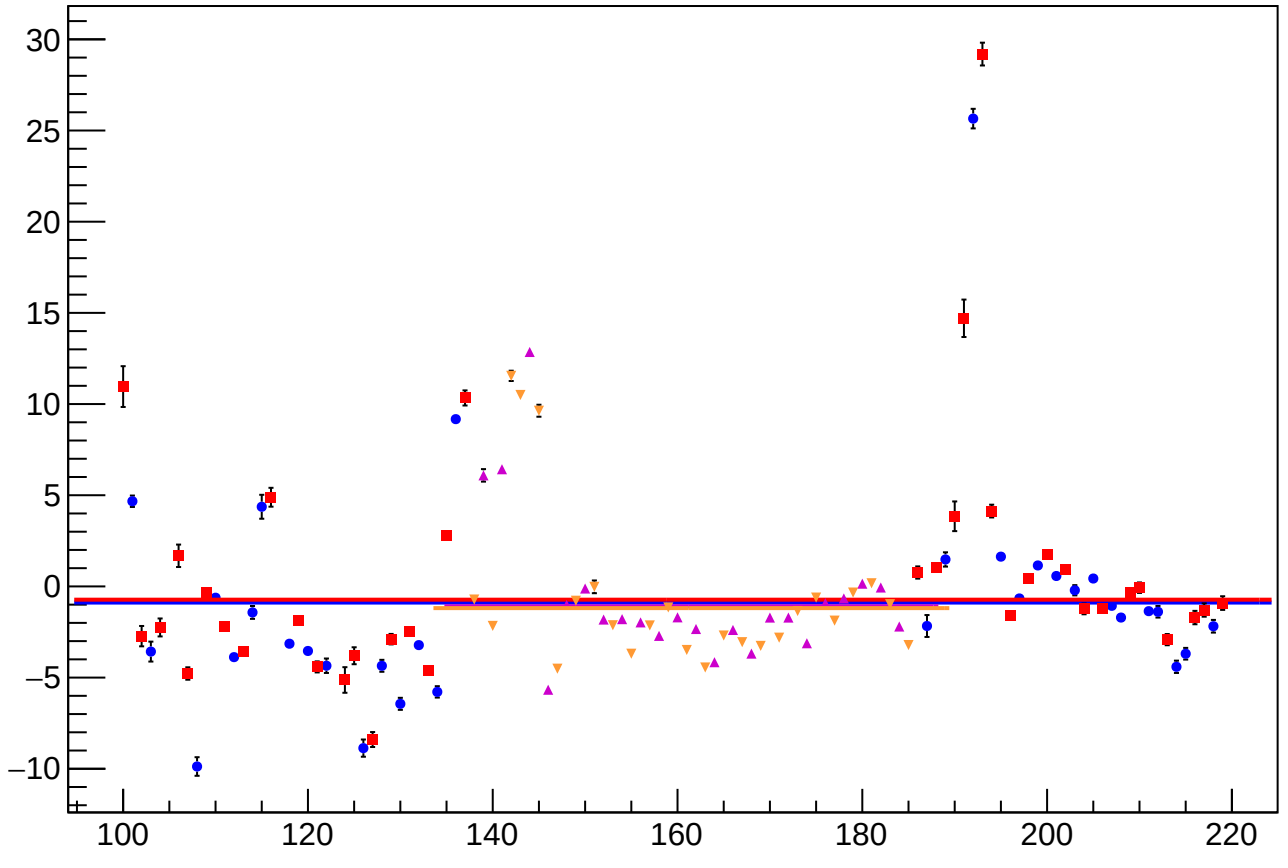
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -1.646+/-0.025 χ^2/NDF: 239291.4/68

In: -1.259+/-0.027 χ^2/NDF:246257.7/54

Out: -1.878+/-0.026 χ^2/NDF:289429.7/61

All: -1.580+/-0.019 χ^2/NDF: 535962.8/116



Right In: -0.886+/-0.051 χ^2/NDF: 7513.8/31

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.728+/-0.049 χ^2/NDF: 5654.3/36

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

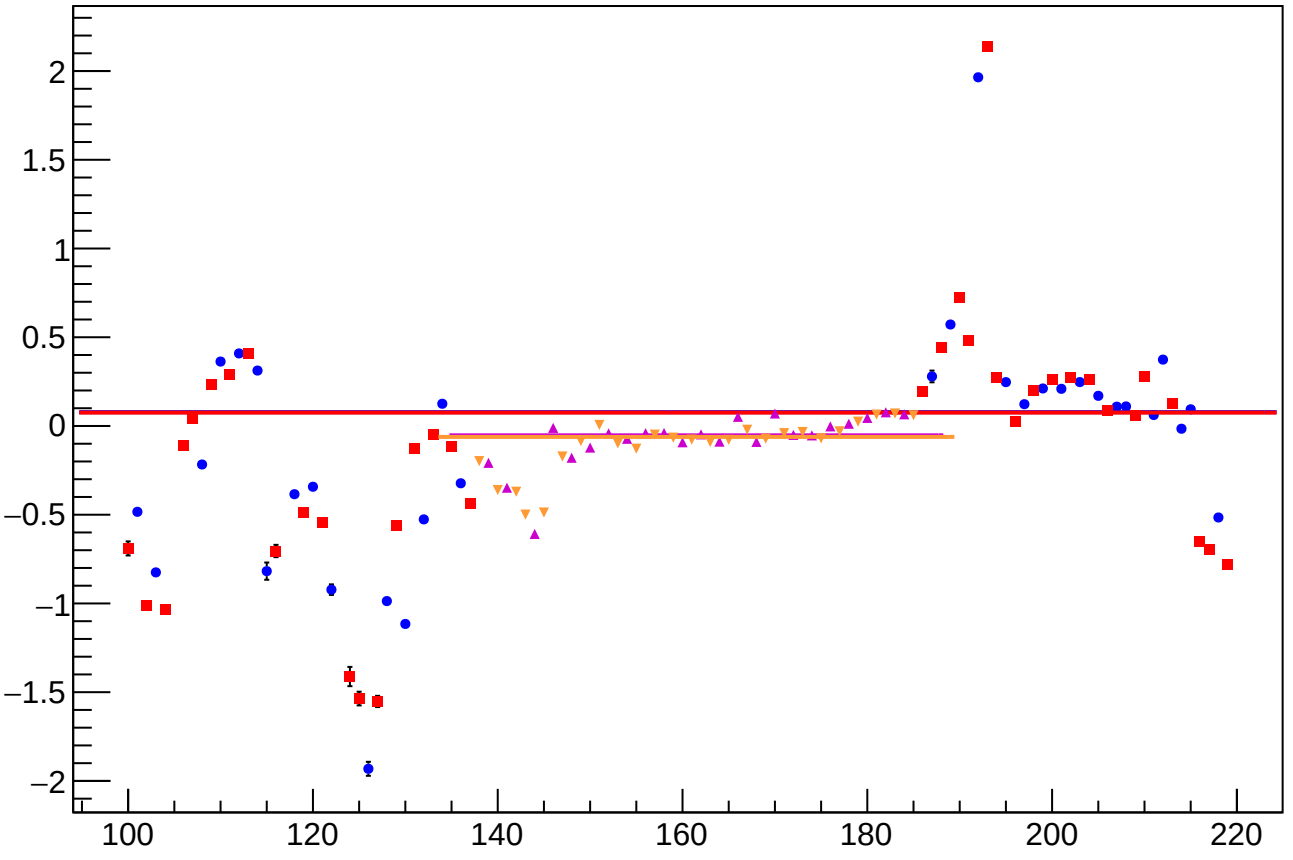
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.803+/-0.035 χ^2/NDF: 13173.1/68

In: -1.023+/-0.029 χ^2/NDF:14365.3/54

Out: -1.021+/-0.029 χ^2/NDF:12707.5/61

All: -1.022+/-0.021 χ^2/NDF: 27072.7/116



Right In: 0.078+/-0.002 χ^2/NDF: 34914.0/31

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.075+/-0.002 χ^2/NDF: 38748.8/36

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

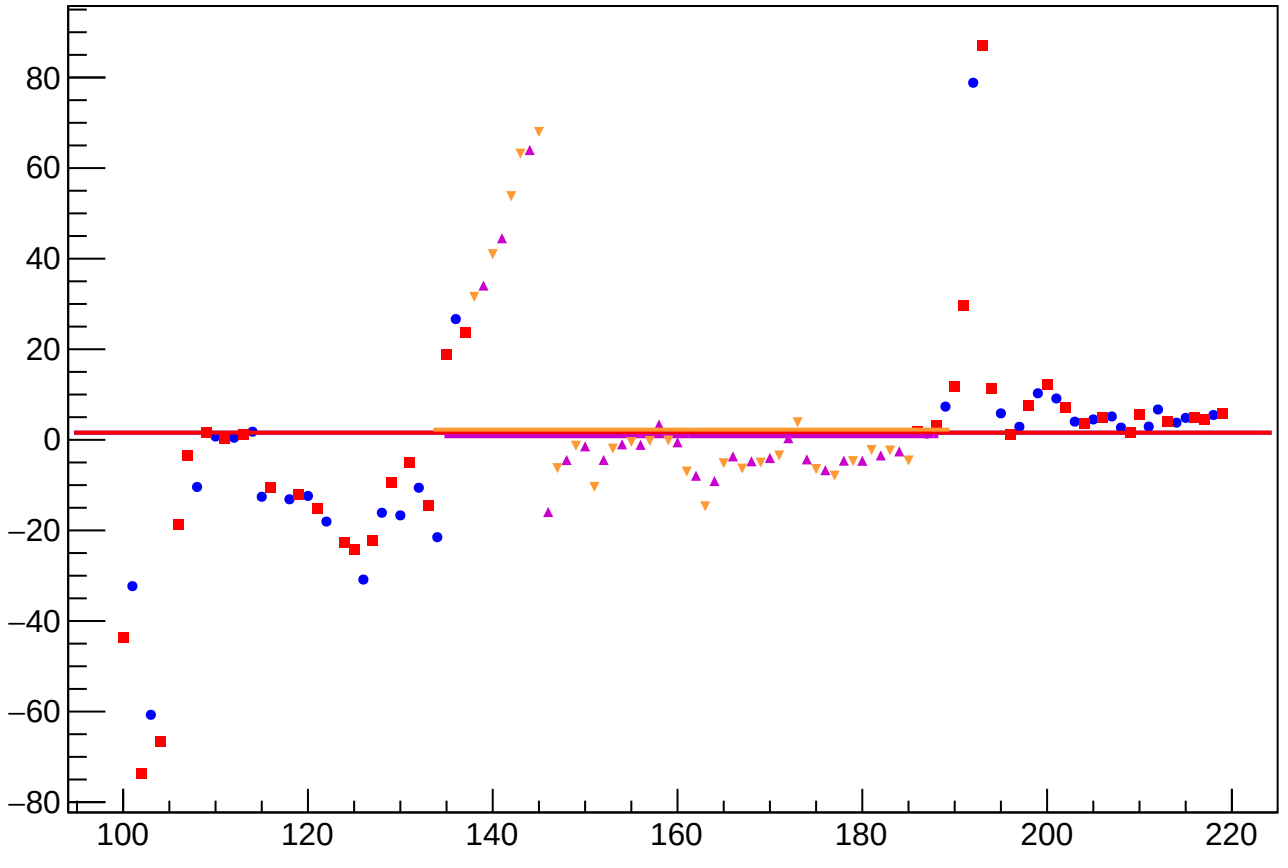
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.077+/-0.002 χ^2/NDF: 73663.3/68

In: -0.012+/-0.001 χ^2/NDF:42209.2/54

Out: -0.014+/-0.001 χ^2/NDF:46778.0/61

All: -0.013+/-0.001 χ^2/NDF: 88988.6/116



Right In: 1.578+/-0.035 χ^2/NDF: 118962.6/31

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 1.581+/-0.032 χ^2/NDF: 119775.9/36

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

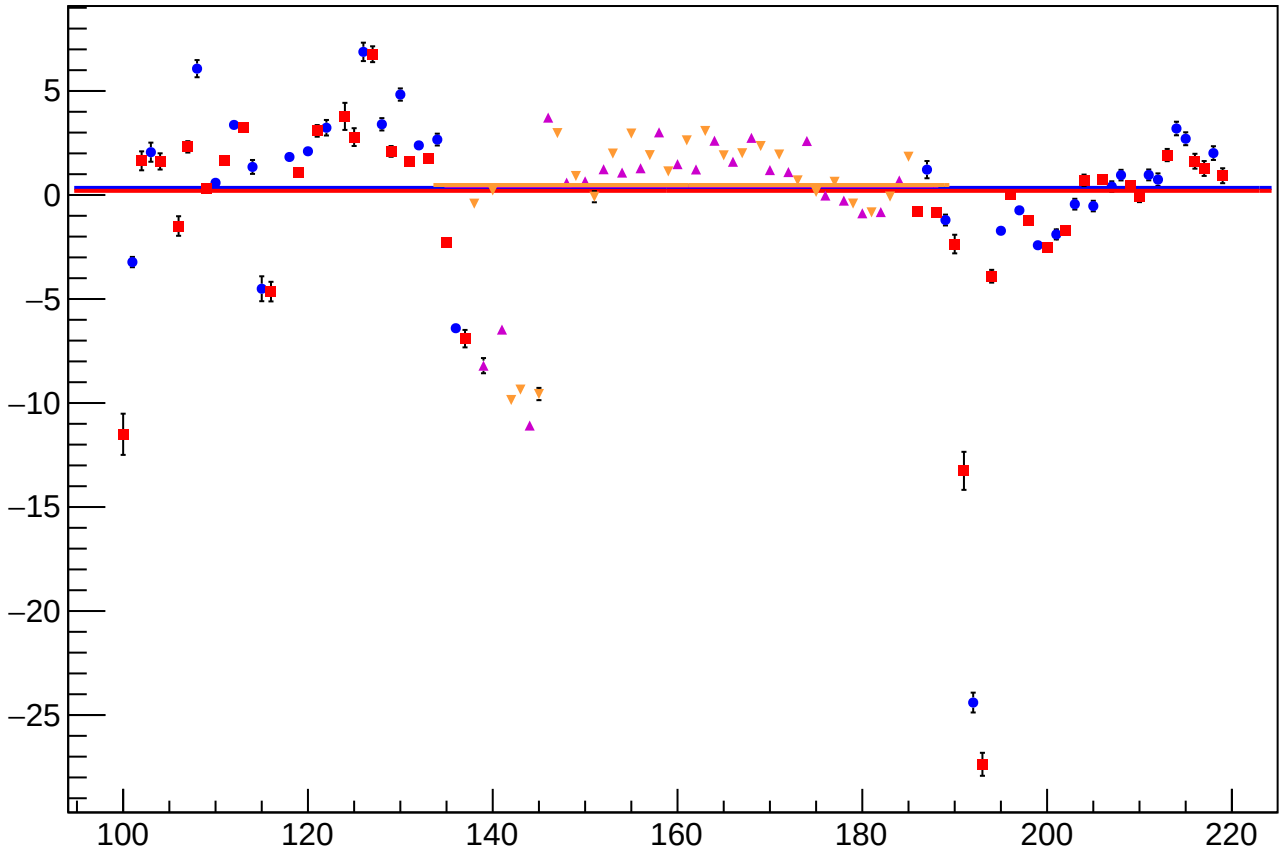
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: 1.580+/-0.024 χ^2/NDF: 238738.5/68

In: 1.245+/-0.027 χ^2/NDF:248000.3/54

Out: 1.835+/-0.025 χ^2/NDF:291611.5/61

All: 1.555+/-0.018 χ^2/NDF: 539865.9/116



Right In: 0.341+/-0.045 χ^2/NDF: 5971.3/31

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.200+/-0.043 χ^2/NDF: 5042.5/36

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

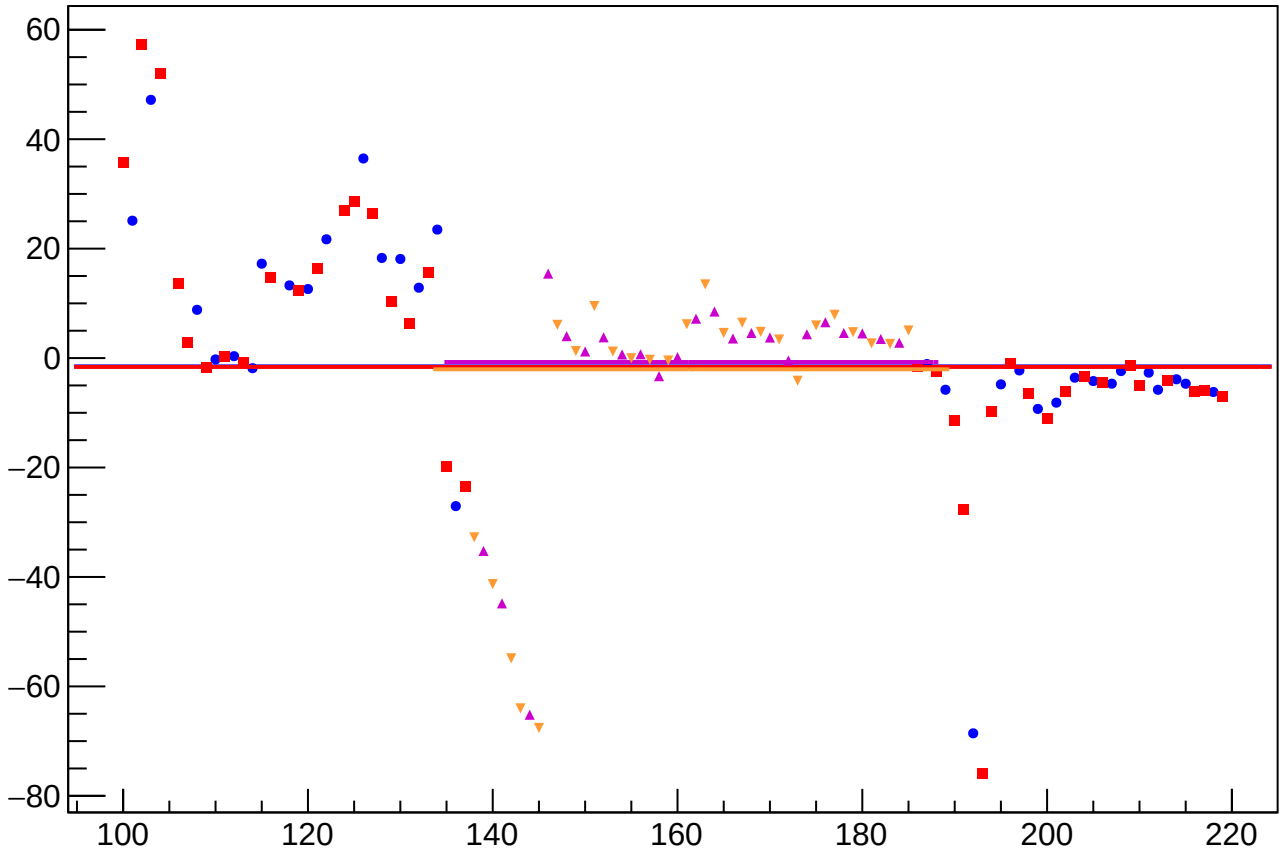
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.267+/-0.031 χ^2/NDF: 11019.0/68

In: 0.406+/-0.026 χ^2/NDF:12868.2/54

Out: 0.372+/-0.027 χ^2/NDF:11876.7/61

All: 0.389+/-0.019 χ^2/NDF: 24745.7/116



Right In: -1.522+/-0.037 χ^2/NDF: 117312.0/31

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -1.612+/-0.034 χ^2/NDF: 118315.2/36

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

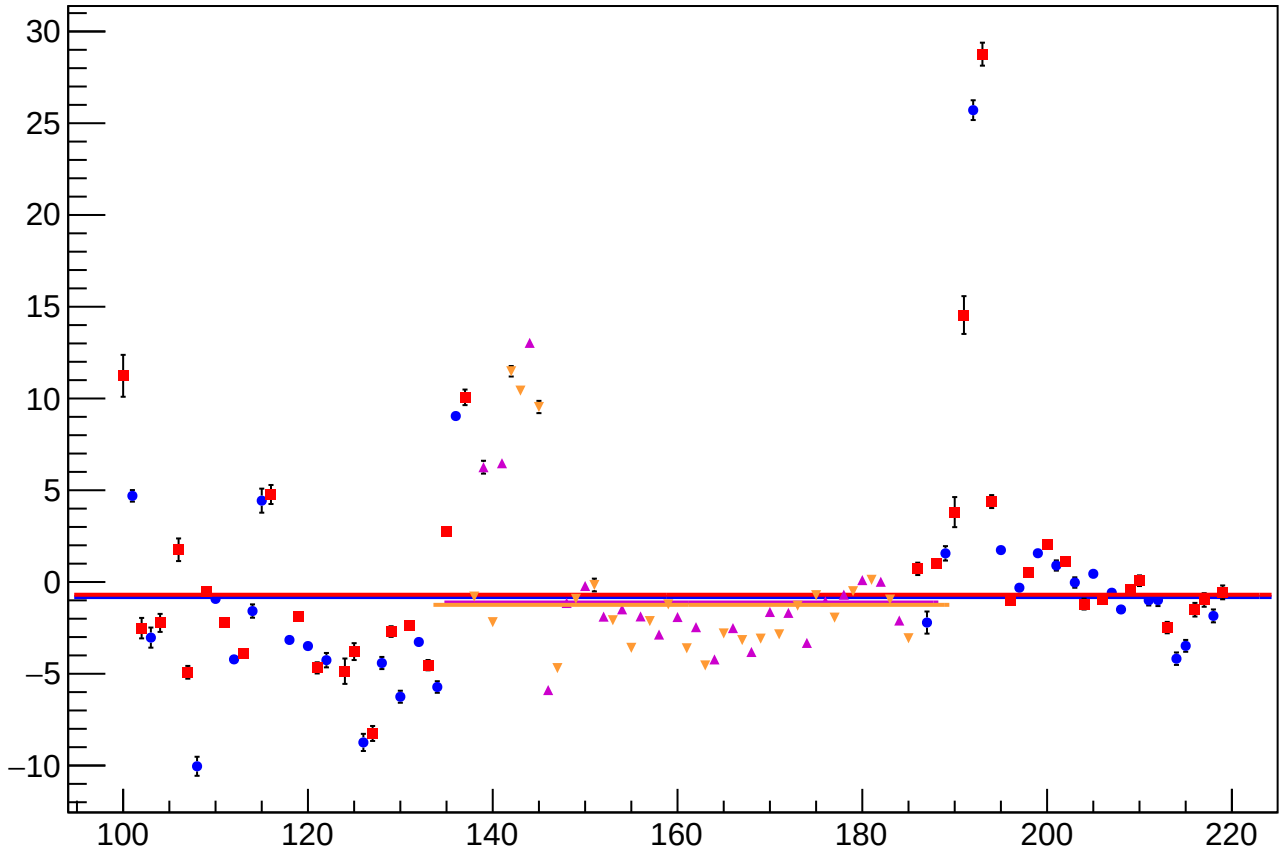
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: -1.571+/-0.025 χ^2/NDF: 235630.4/68

In: -1.163+/-0.027 χ^2/NDF:243059.1/54

Out: -1.788+/-0.026 χ^2/NDF:284392.0/61

All: -1.486+/-0.019 χ^2/NDF: 527725.0/116



Right In: -0.821+/-0.052 χ^2/NDF: 7367.7/31

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.693+/-0.049 χ^2/NDF: 5503.2/36

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

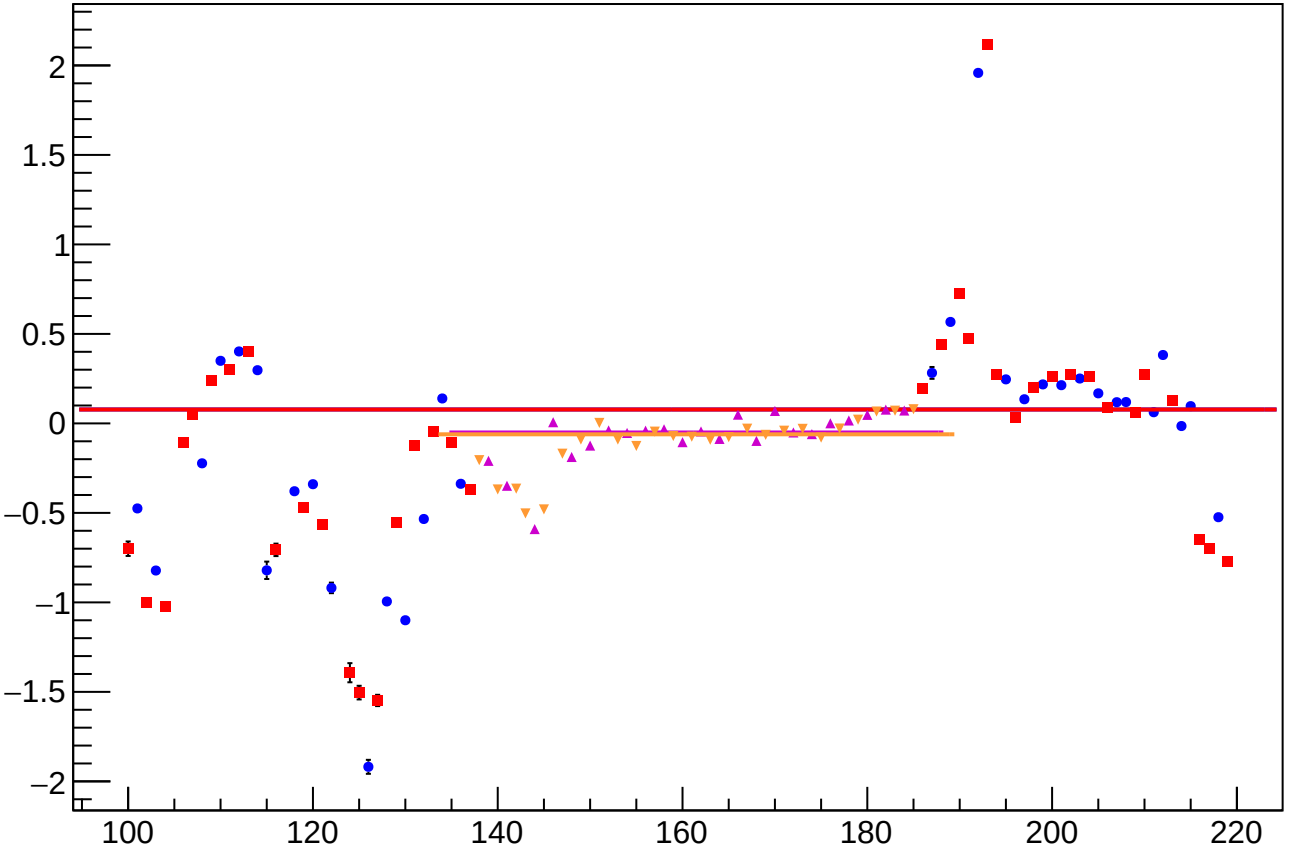
Right: -0.755+/-0.036 χ^2/NDF: 12874.1/68

In: -1.020+/-0.029 χ^2/NDF:14230.1/54

Out: -1.044+/-0.030 χ^2/NDF:12351.1/61

All: -1.032+/-0.021 χ^2/NDF: 26581.5/116

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.078+/-0.002 χ^2/NDF: 34595.0/31

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: 0.078+/-0.002 χ^2/NDF: 37738.9/36

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

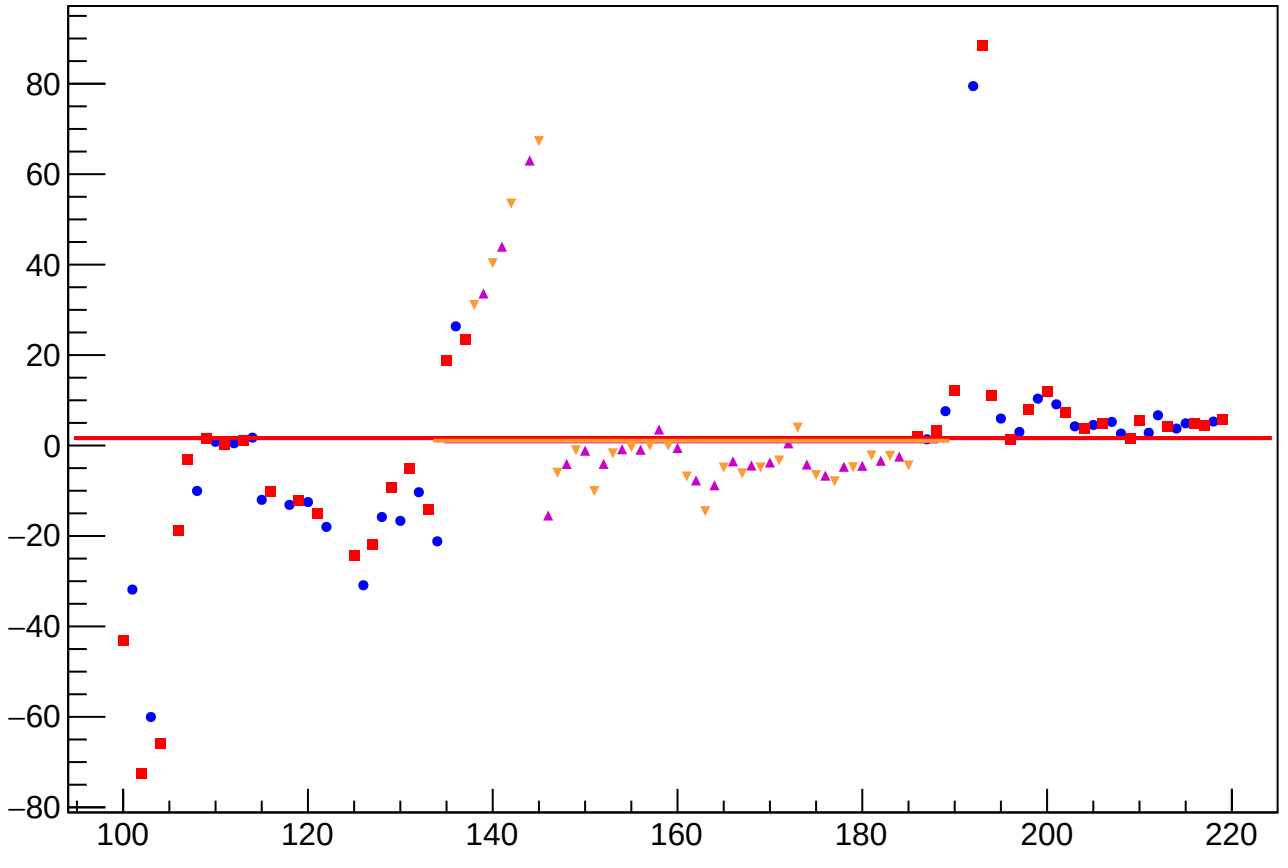
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: 0.078+/-0.002 χ^2/NDF: 72334.0/68

In: -0.011+/-0.001 χ^2/NDF:41612.3/54

Out: -0.014+/-0.001 χ^2/NDF:45672.9/61

All: -0.012+/-0.001 χ^2/NDF: 87287.2/116



Right In: 1.636+/-0.034 χ^2/NDF: 122658.7/31

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: 1.660+/-0.031 χ^2/NDF: 120792.2/34

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

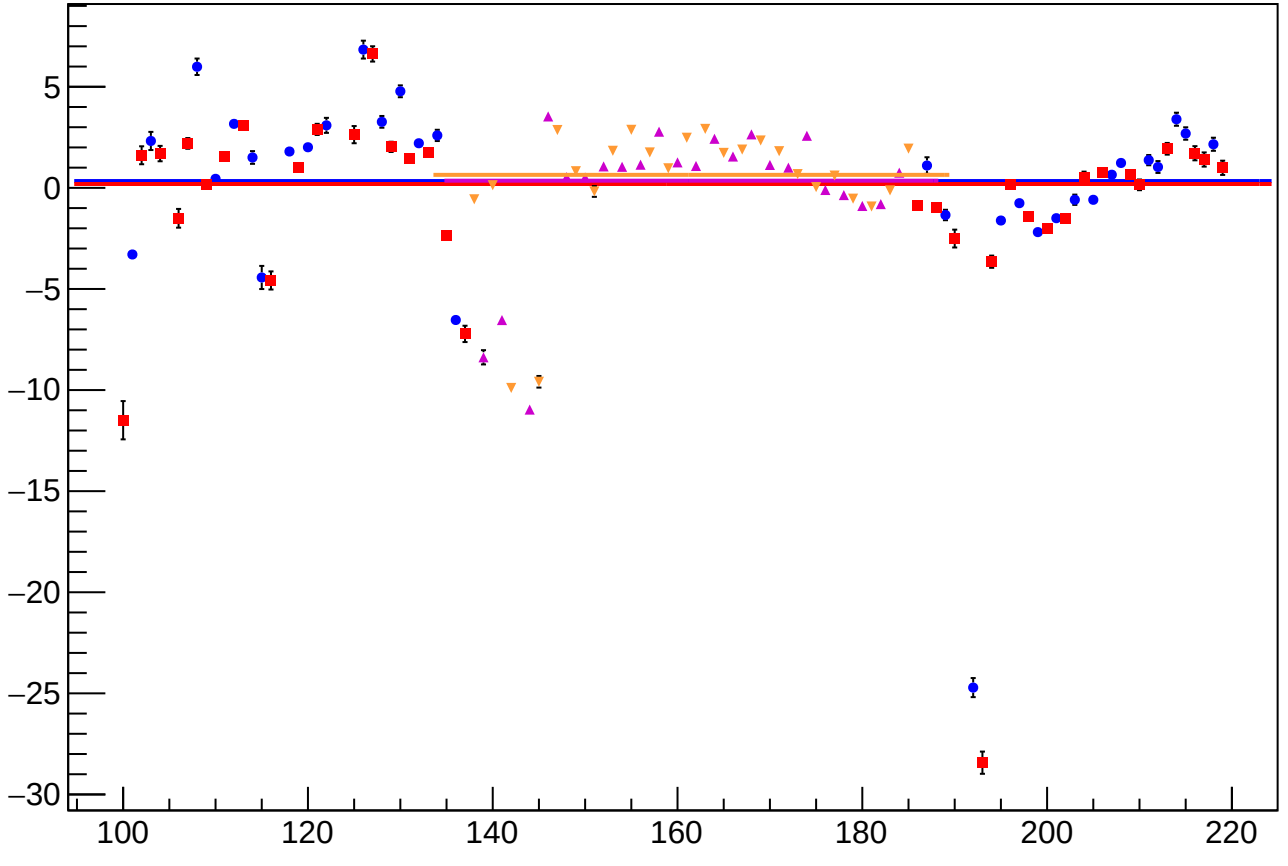
Right: 1.649+/-0.023 χ^2/NDF: 243451.2/66

In: 1.328+/-0.026 χ^2/NDF:255655.6/54

Out: 1.435+/-0.025 χ^2/NDF:251963.8/58

All: 1.384+/-0.018 χ^2/NDF: 507628.4/113

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.338+/-0.044 χ^2/NDF: 6211.0/31

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.192+/-0.042 χ^2/NDF: 5074.9/34

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

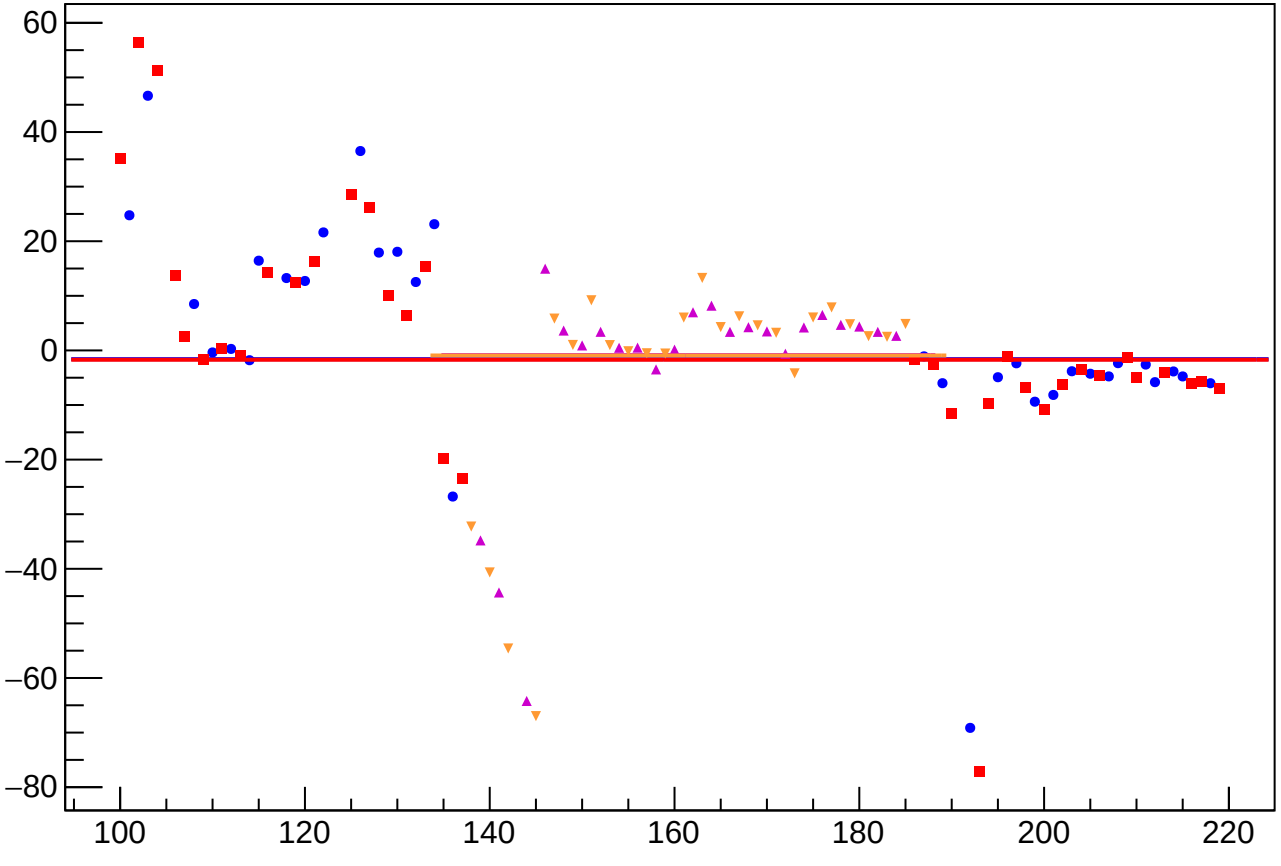
Right: 0.261+/-0.030 χ^2/NDF: 11291.7/66

In: 0.349+/-0.025 χ^2/NDF:13328.1/54

Out: 0.469+/-0.026 χ^2/NDF:9857.8/58

All: 0.408+/-0.018 χ^2/NDF: 23196.7/113

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.601+/-0.036 χ^2/NDF: 120989.4/31

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: -1.706+/-0.033 χ^2/NDF: 119416.3/34

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

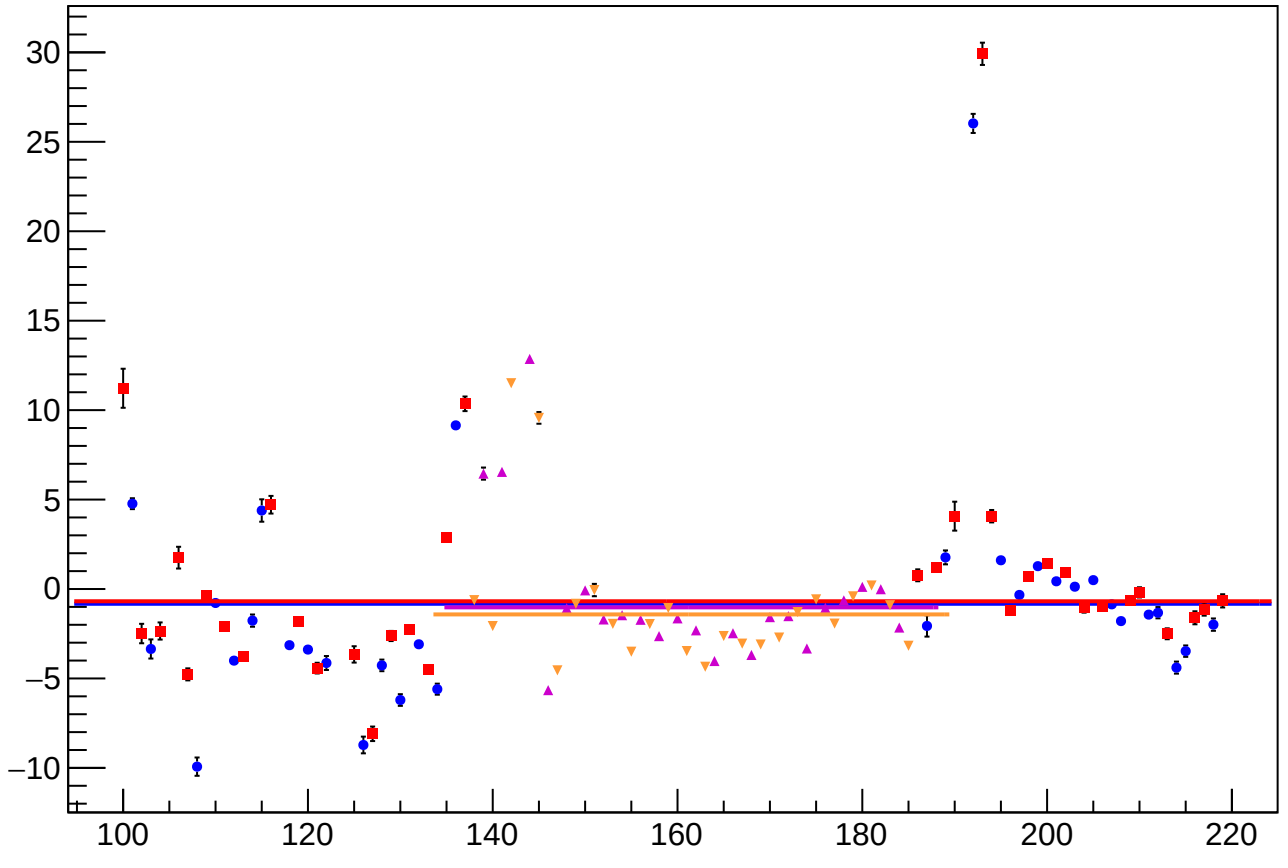
Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

Right: -1.657+/-0.024 χ^2/NDF: 240410.3/66

In: -1.266+/-0.026 χ^2/NDF:250669.5/54

Out: -1.396+/-0.026 χ^2/NDF:246015.8/58

All: -1.333+/-0.018 χ^2/NDF: 496697.7/113



Right In: -0.825+/-0.050 χ^2/NDF: 7691.8/31

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -0.685+/-0.048 χ^2/NDF: 5553.3/34

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

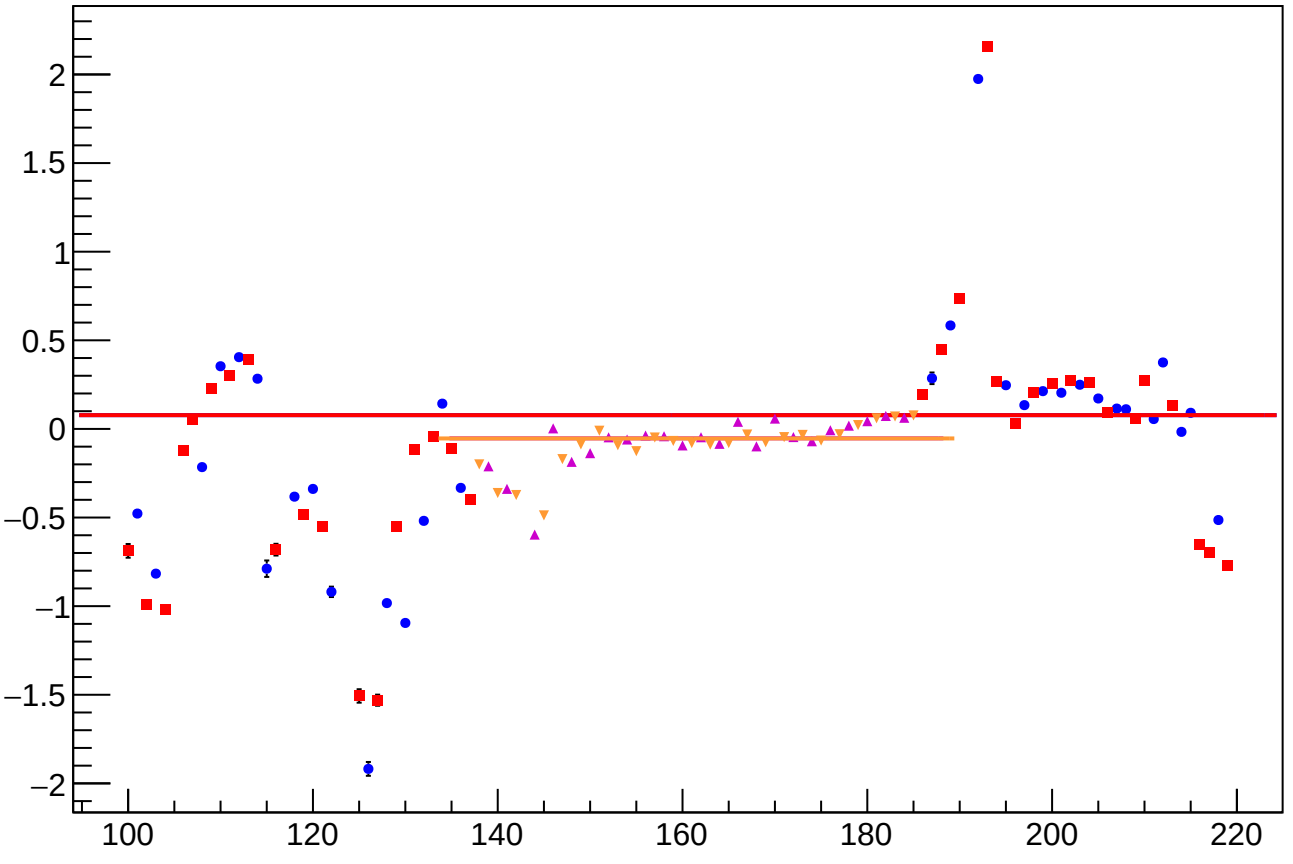
Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

Right: -0.752+/-0.035 χ^2/NDF: 13249.2/66

In: -0.961+/-0.029 χ^2/NDF:14749.8/54

Out: -1.150+/-0.029 χ^2/NDF:10343.3/58

All: -1.053+/-0.020 χ^2/NDF: 25114.6/113



Right In: 0.078+/-0.002 χ^2/NDF: 35724.3/31

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: 0.078+/-0.002 χ^2/NDF: 38362.7/34

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

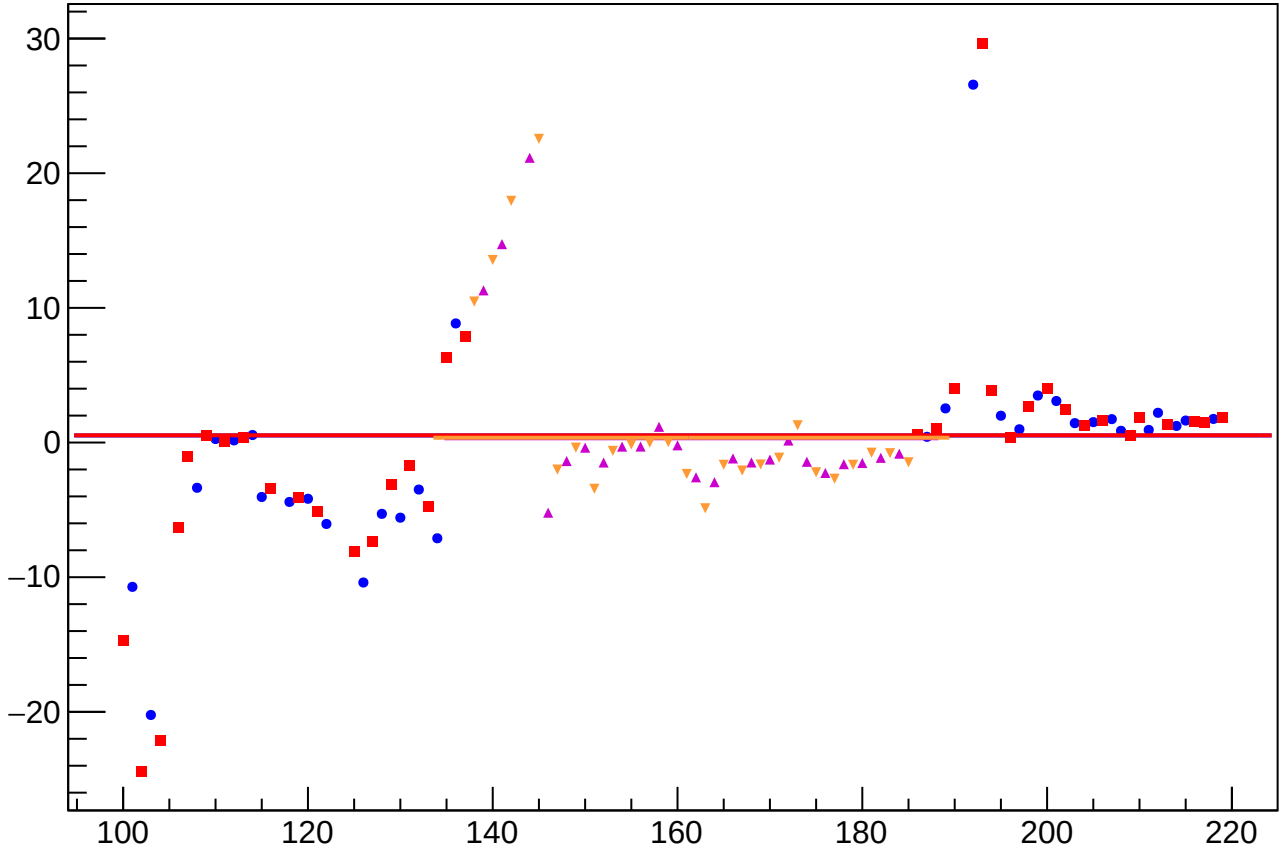
Right: 0.078+/-0.002 χ^2/NDF: 74087.0/66

In: -0.013+/-0.001 χ^2/NDF:43081.1/54

Out: -0.009+/-0.001 χ^2/NDF:45021.9/58

All: -0.011+/-0.001 χ^2/NDF: 88109.5/113

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.524+/-0.012 χ^2/NDF: 120529.8/31

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: 0.537+/-0.011 χ^2/NDF: 118850.6/34

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

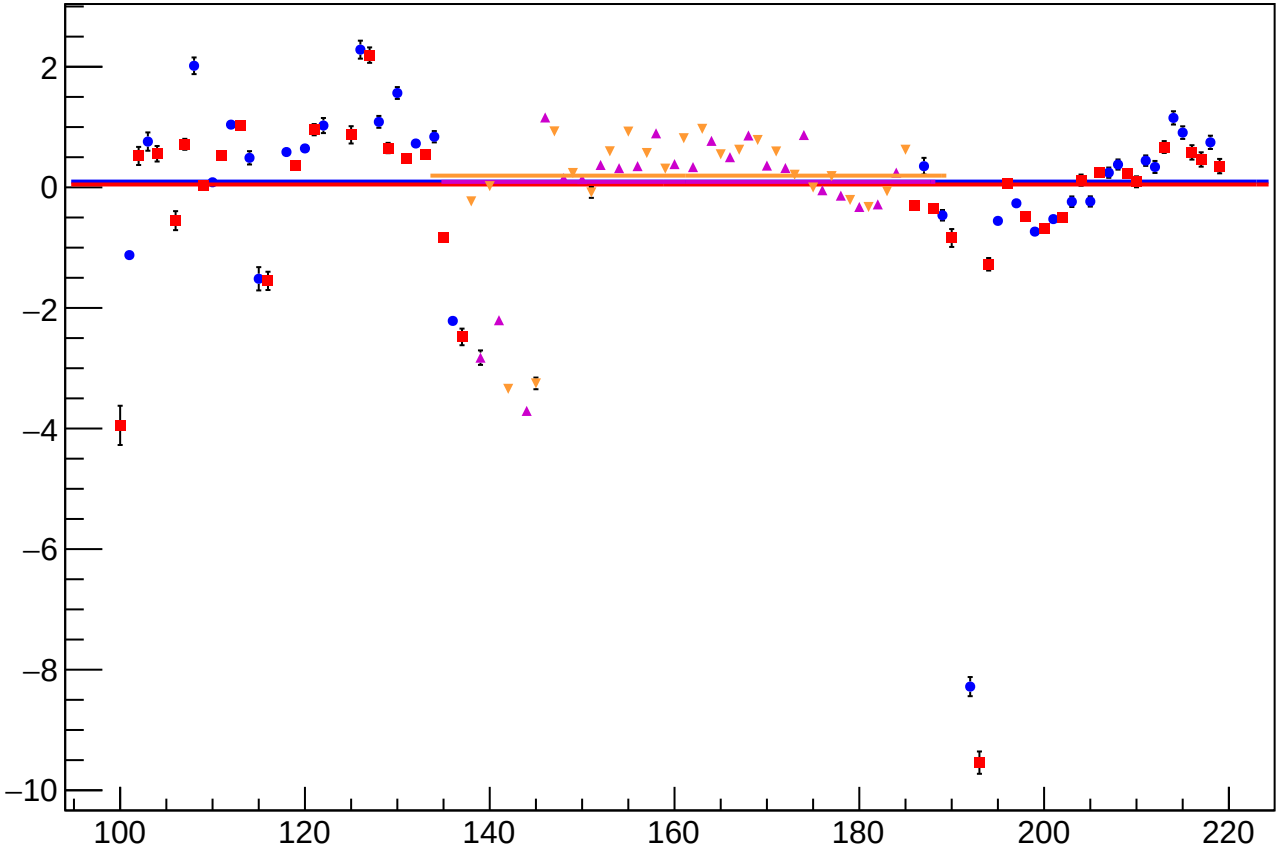
Right: 0.531+/-0.008 χ^2/NDF: 239381.1/66

In: 0.436+/-0.009 χ^2/NDF:250886.1/54

Out: 0.470+/-0.008 χ^2/NDF:247783.3/58

All: 0.454+/-0.006 χ^2/NDF: 498677.1/113

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.096+/-0.015 χ^2/NDF: 6091.7/31

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: 0.048+/-0.014 χ^2/NDF: 4989.1/34

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

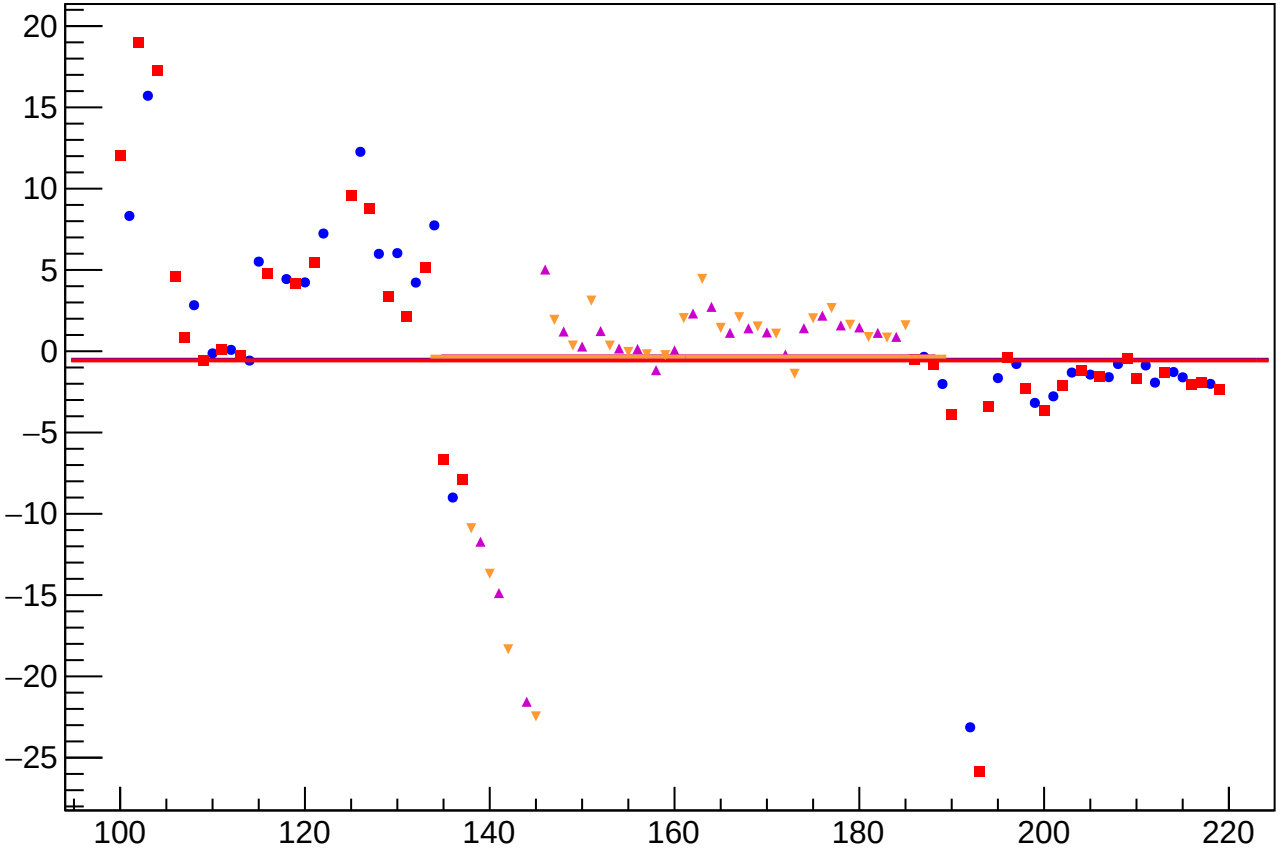
Right: 0.071+/-0.010 χ^2/NDF: 11086.3/66

In: 0.093+/-0.009 χ^2/NDF:13028.2/54

Out: 0.138+/-0.009 χ^2/NDF:9698.8/58

All: 0.115+/-0.006 χ^2/NDF: 22740.1/113

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.525+/-0.012 χ^2/NDF: 118917.3/31

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: -0.563+/-0.011 χ^2/NDF: 117537.4/34

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

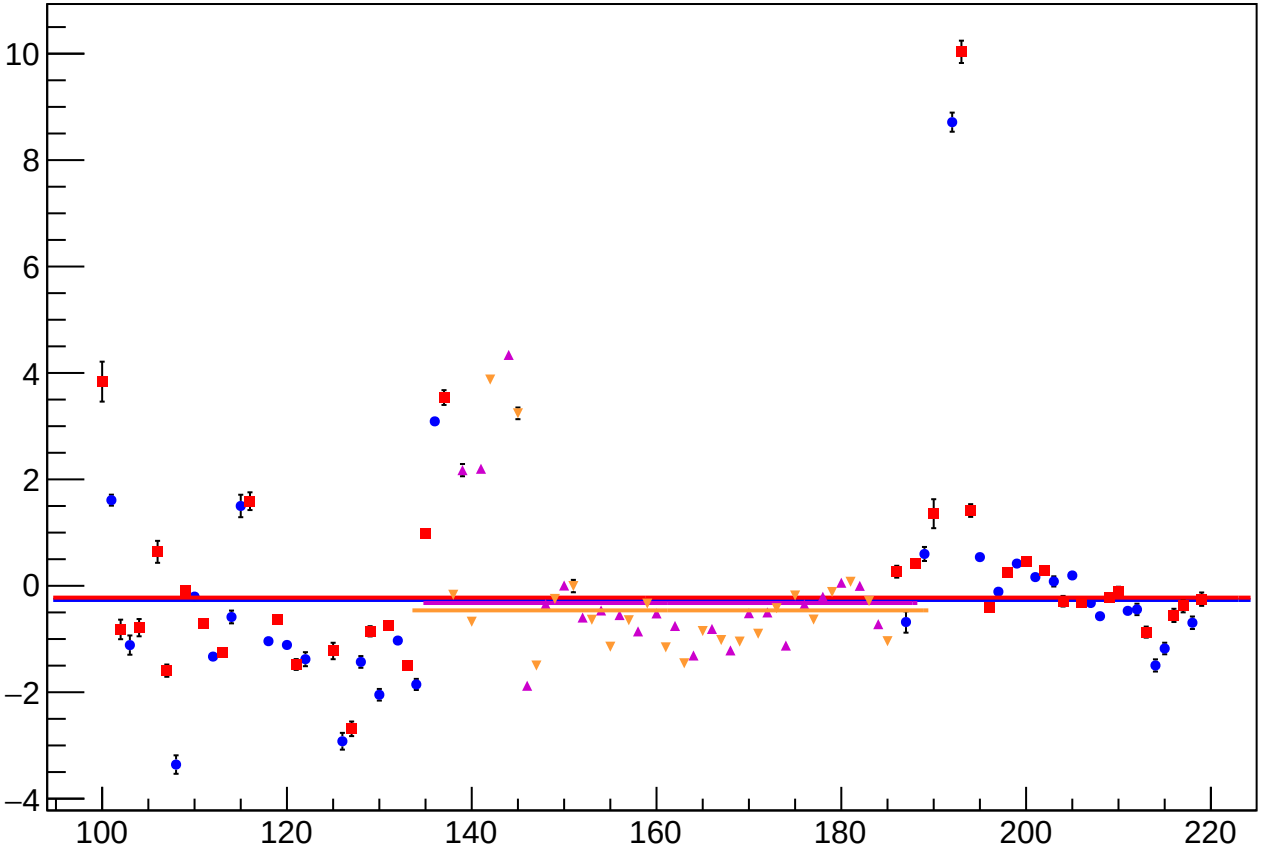
Right: -0.546+/-0.008 χ^2/NDF: 236459.9/66

In: -0.430+/-0.009 χ^2/NDF:246052.3/54

Out: -0.471+/-0.009 χ^2/NDF:241937.0/58

All: -0.451+/-0.006 χ^2/NDF: 487999.9/113

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.266+/-0.017 χ^2/NDF: 7542.5/31

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.222+/-0.016 χ^2/NDF: 5460.5/34

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

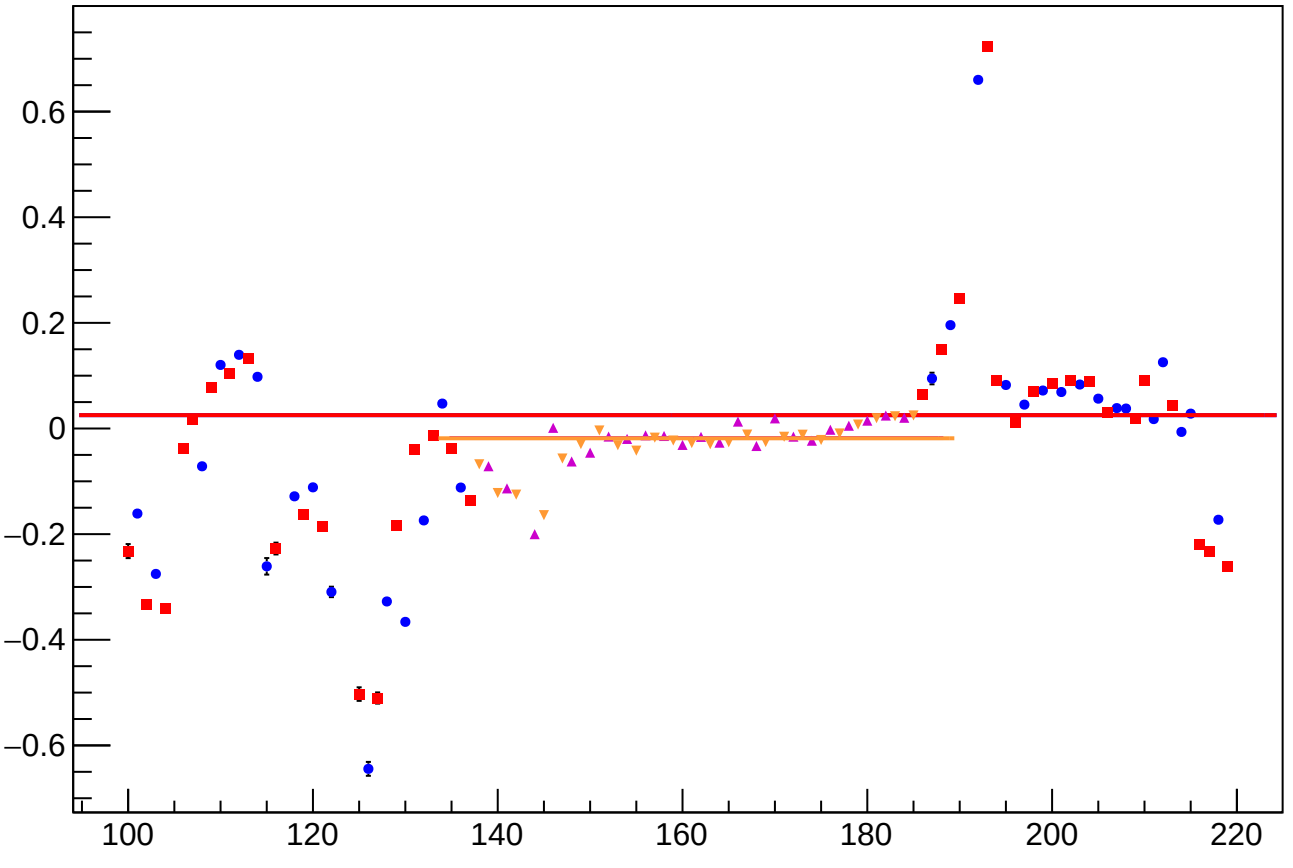
Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

Right: -0.243+/-0.012 χ^2/NDF: 13006.4/66

In: -0.305+/-0.010 χ^2/NDF:14431.7/54

Out: -0.374+/-0.010 χ^2/NDF:10174.5/58

All: -0.339+/-0.007 χ^2/NDF: 24630.9/113



Right In: 0.025+/-0.001 χ^2/NDF: 35100.4/31

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: 0.025+/-0.001 χ^2/NDF: 37606.4/34

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

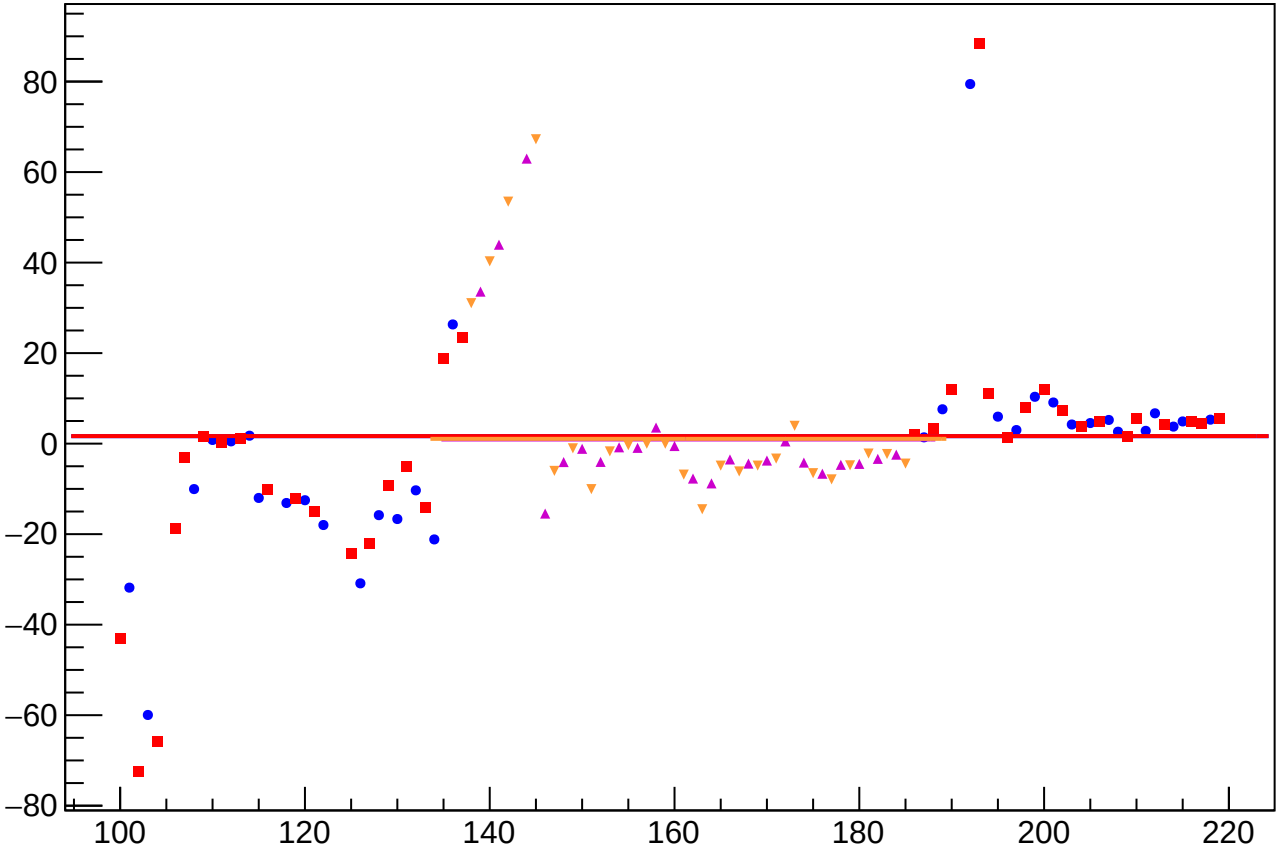
Right: 0.025+/-0.001 χ^2/NDF: 72706.8/66

In: -0.005+/-0.000 χ^2/NDF:42154.6/54

Out: -0.004+/-0.000 χ^2/NDF:44031.0/58

All: -0.004+/-0.000 χ^2/NDF: 86189.6/113

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.641+/-0.034 χ^2/NDF: 122684.6/31

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: 1.665+/-0.031 χ^2/NDF: 120820.7/34

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

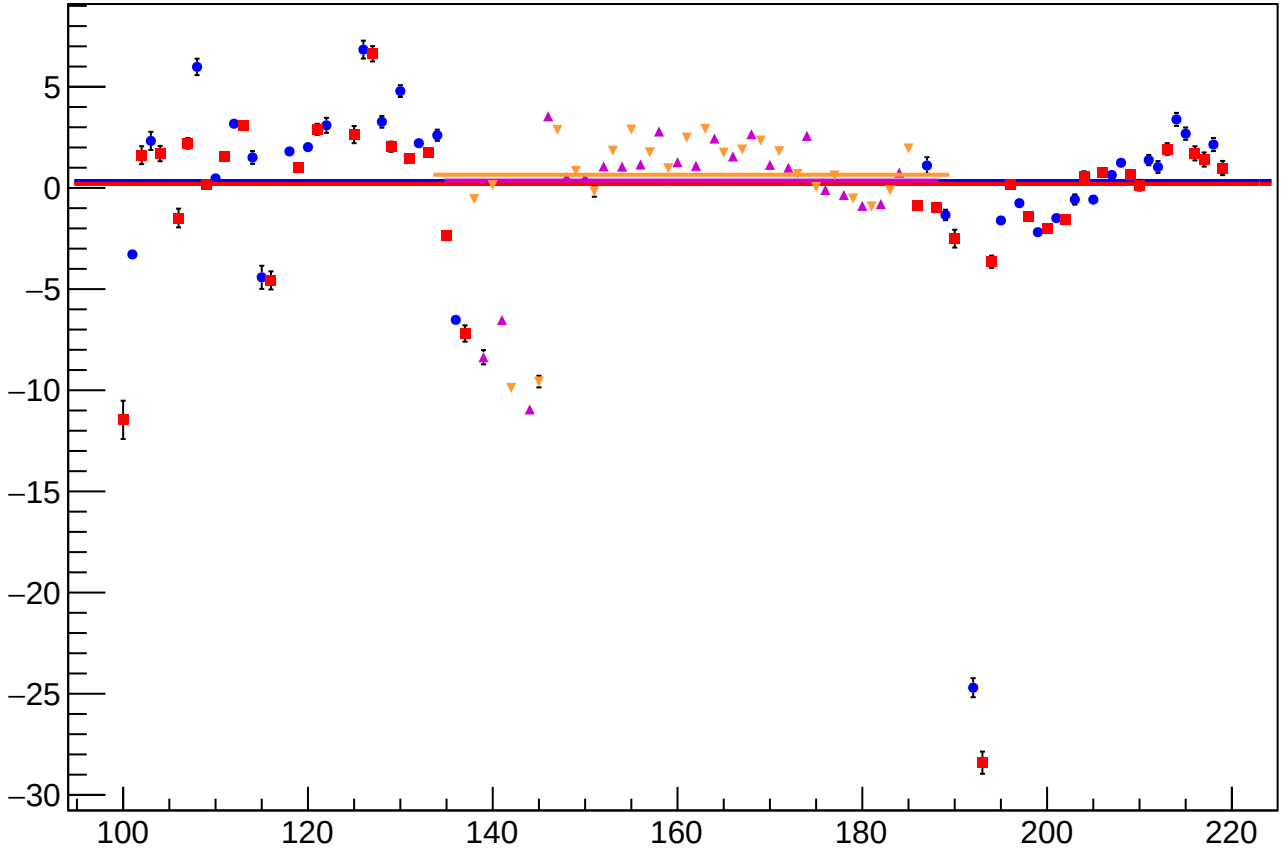
Right: 1.654+/-0.023 χ^2/NDF: 243505.5/66

In: 1.332+/-0.026 χ^2/NDF:255691.8/54

Out: 1.440+/-0.025 χ^2/NDF:251972.5/58

All: 1.389+/-0.018 χ^2/NDF: 507673.3/113

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.344+/-0.044 χ^2/NDF: 6213.0/31

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.197+/-0.042 χ^2/NDF: 5075.6/34

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

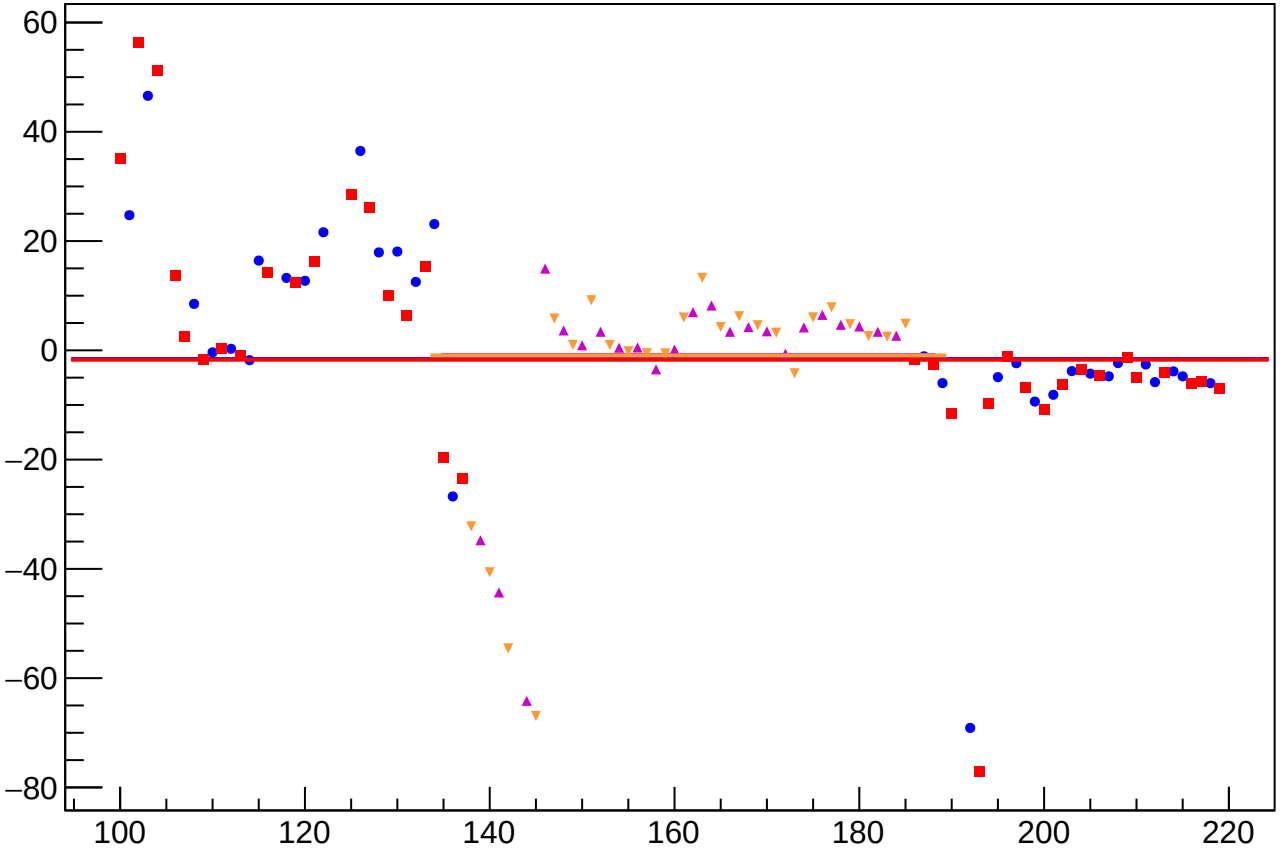
Right: 0.267+/-0.030 χ^2/NDF: 11294.5/66

In: 0.358+/-0.025 χ^2/NDF:13335.5/54

Out: 0.475+/-0.026 χ^2/NDF:9857.1/58

All: 0.415+/-0.018 χ^2/NDF: 23203.1/113

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.601+/-0.036 χ^2/NDF: 121011.6/31

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: -1.706+/-0.033 χ^2/NDF: 119439.3/34

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

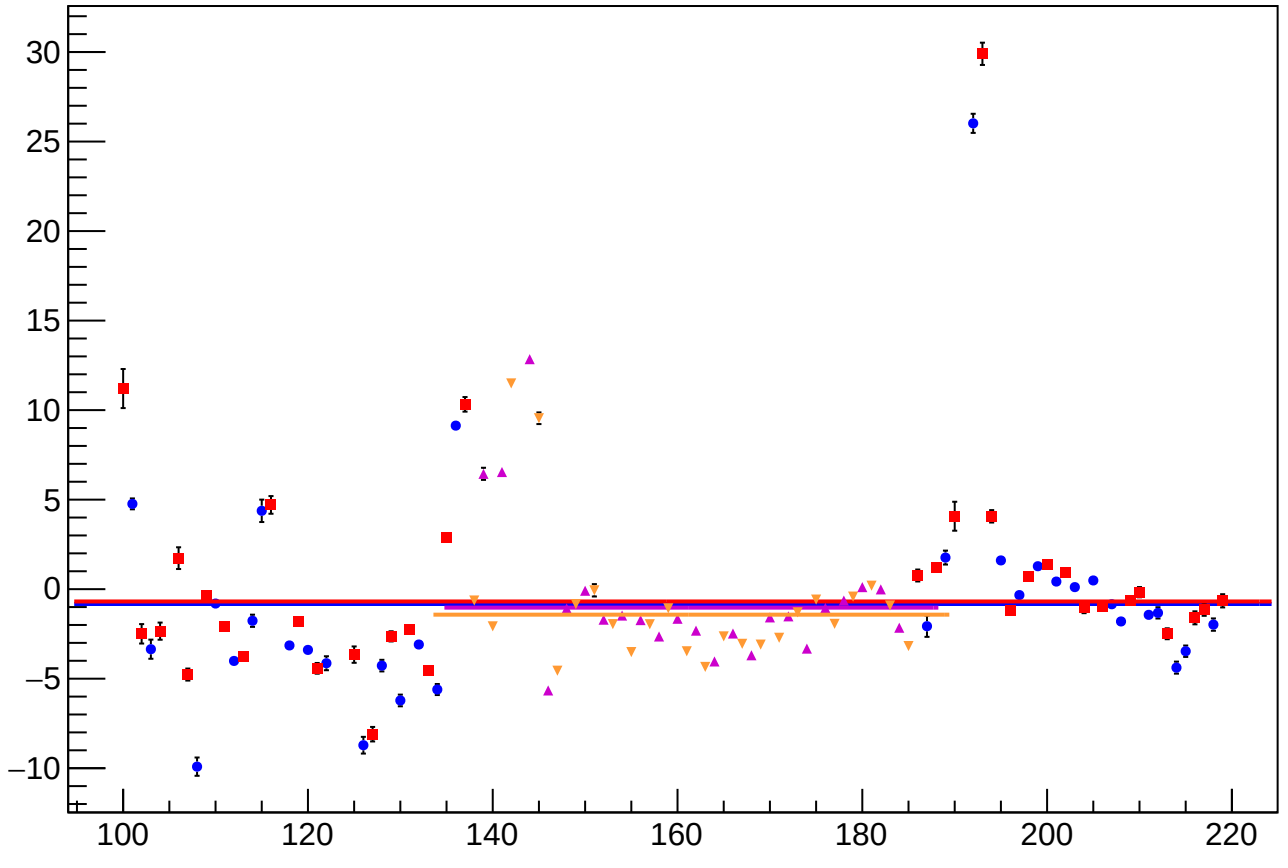
Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

Right: -1.657+/-0.024 χ^2/NDF: 240455.6/66

In: -1.265+/-0.026 χ^2/NDF:250699.5/54

Out: -1.395+/-0.026 χ^2/NDF:246021.7/58

All: -1.332+/-0.018 χ^2/NDF: 496733.8/113



Right In: -0.829+/-0.050 χ^2/NDF: 7693.2/31

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -0.687+/-0.048 χ^2/NDF: 5553.0/34

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

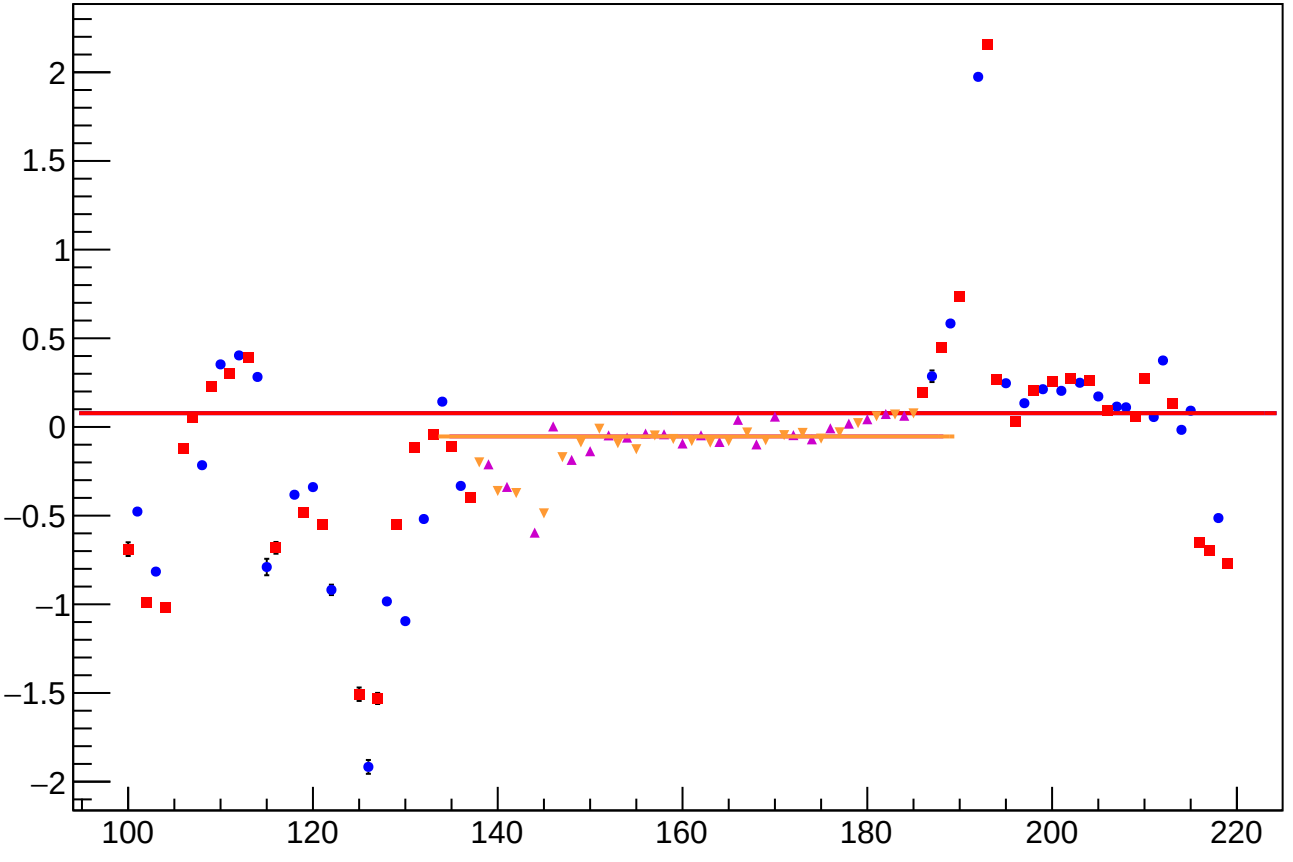
Right: -0.755+/-0.035 χ^2/NDF: 13250.4/66

In: -0.966+/-0.029 χ^2/NDF:14755.6/54

Out: -1.153+/-0.029 χ^2/NDF:10342.0/58

All: -1.058+/-0.020 χ^2/NDF: 25118.7/113

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.078+/-0.002 χ^2/NDF: 35734.5/31

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: 0.078+/-0.002 χ^2/NDF: 38381.8/34

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

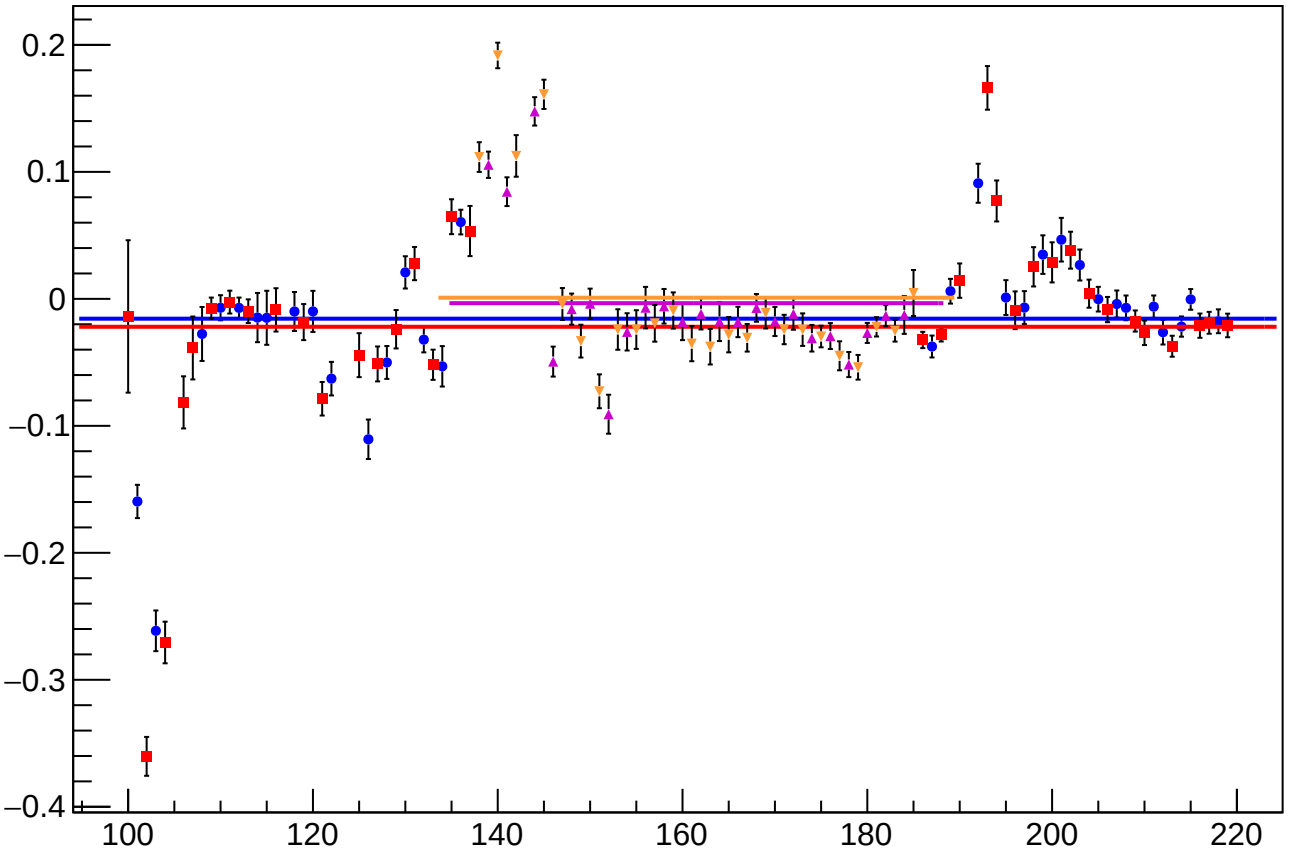
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: 0.078+/-0.002 χ^2/NDF: 74116.3/66

In: -0.013+/-0.001 χ^2/NDF:43100.1/54

Out: -0.009+/-0.001 χ^2/NDF:45043.8/58

All: -0.011+/-0.001 χ^2/NDF: 88150.6/113



Right In: -0.016+/-0.002 χ^2/NDF: 602.2/31

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.022+/-0.002 χ^2/NDF: 1054.8/34

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

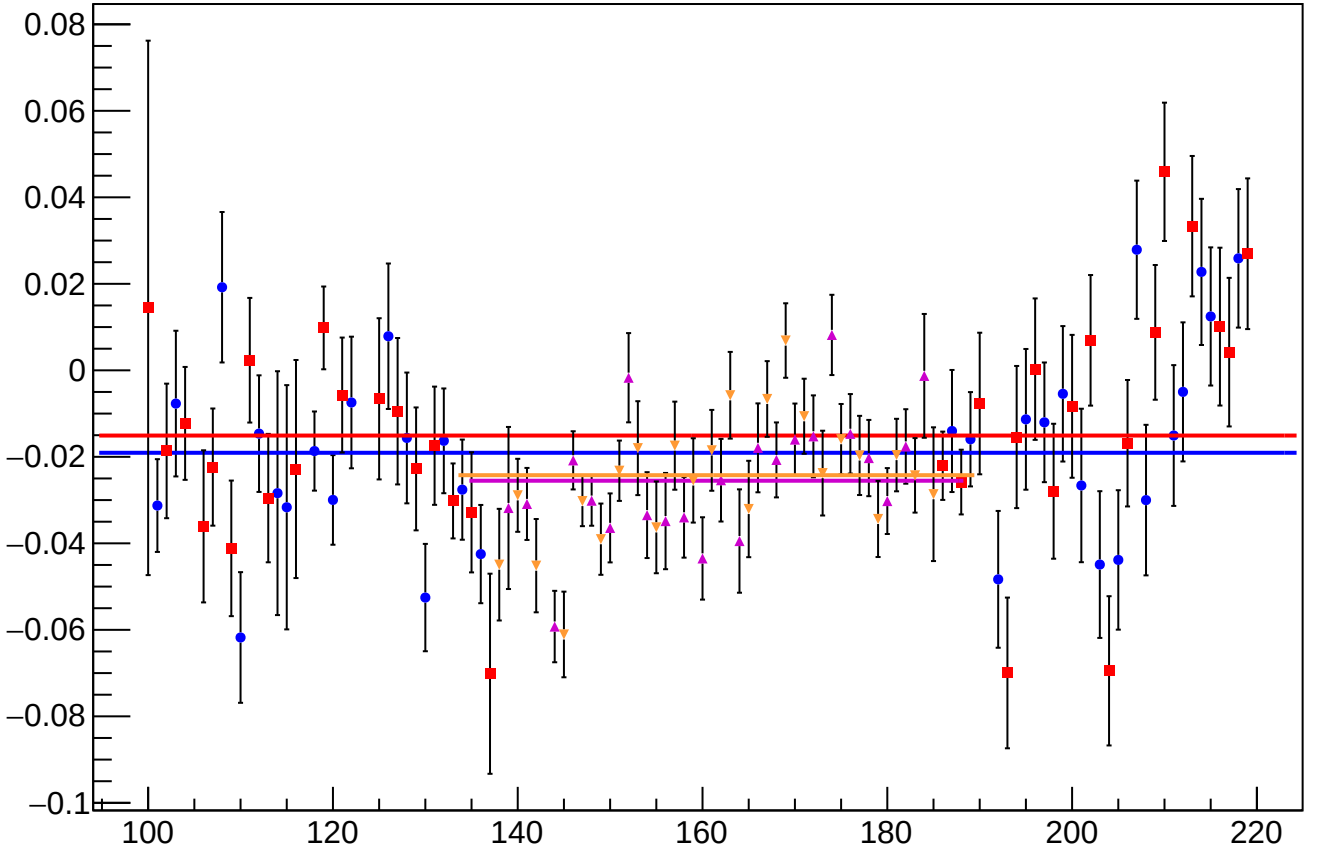
Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

Right: -0.019+/-0.001 χ^2/NDF: 1662.3/66

In: -0.011+/-0.002 χ^2/NDF:1075.3/54

Out: -0.013+/-0.001 χ^2/NDF:1961.0/58

All: -0.012+/-0.001 χ^2/NDF: 3037.8/113



Right In: -0.019+/-0.003 χ^2/NDF: 68.9/31

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.015+/-0.002 χ^2/NDF: 87.1/34

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

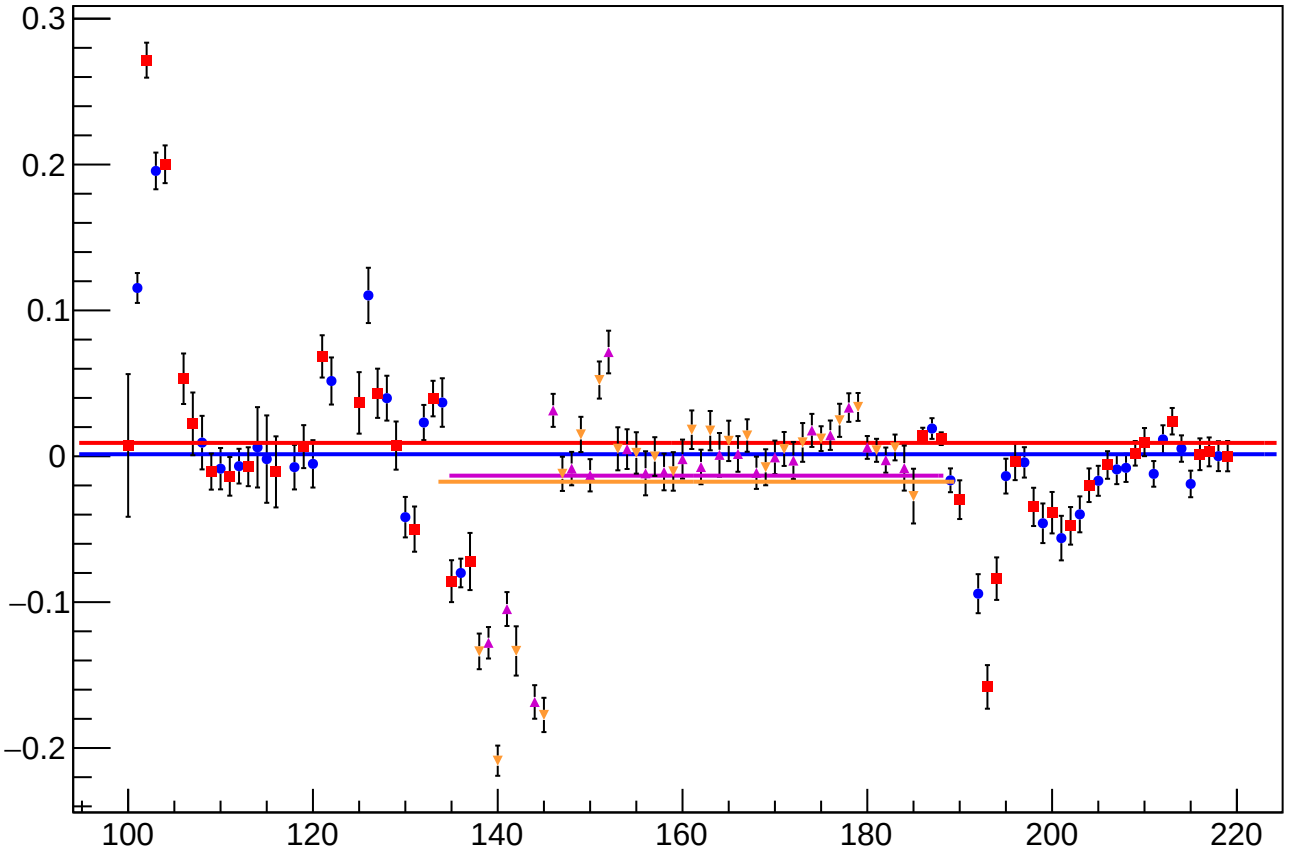
Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

Right: -0.017+/-0.002 χ^2/NDF: 157.4/66

In: -0.023+/-0.001 χ^2/NDF:128.2/54

Out: -0.021+/-0.001 χ^2/NDF:150.2/58

All: -0.022+/-0.001 χ^2/NDF: 279.7/113



Right In: 0.001+/-0.002 χ^2/NDF: 614.2/31

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.009+/-0.002 χ^2/NDF: 1048.3/34

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

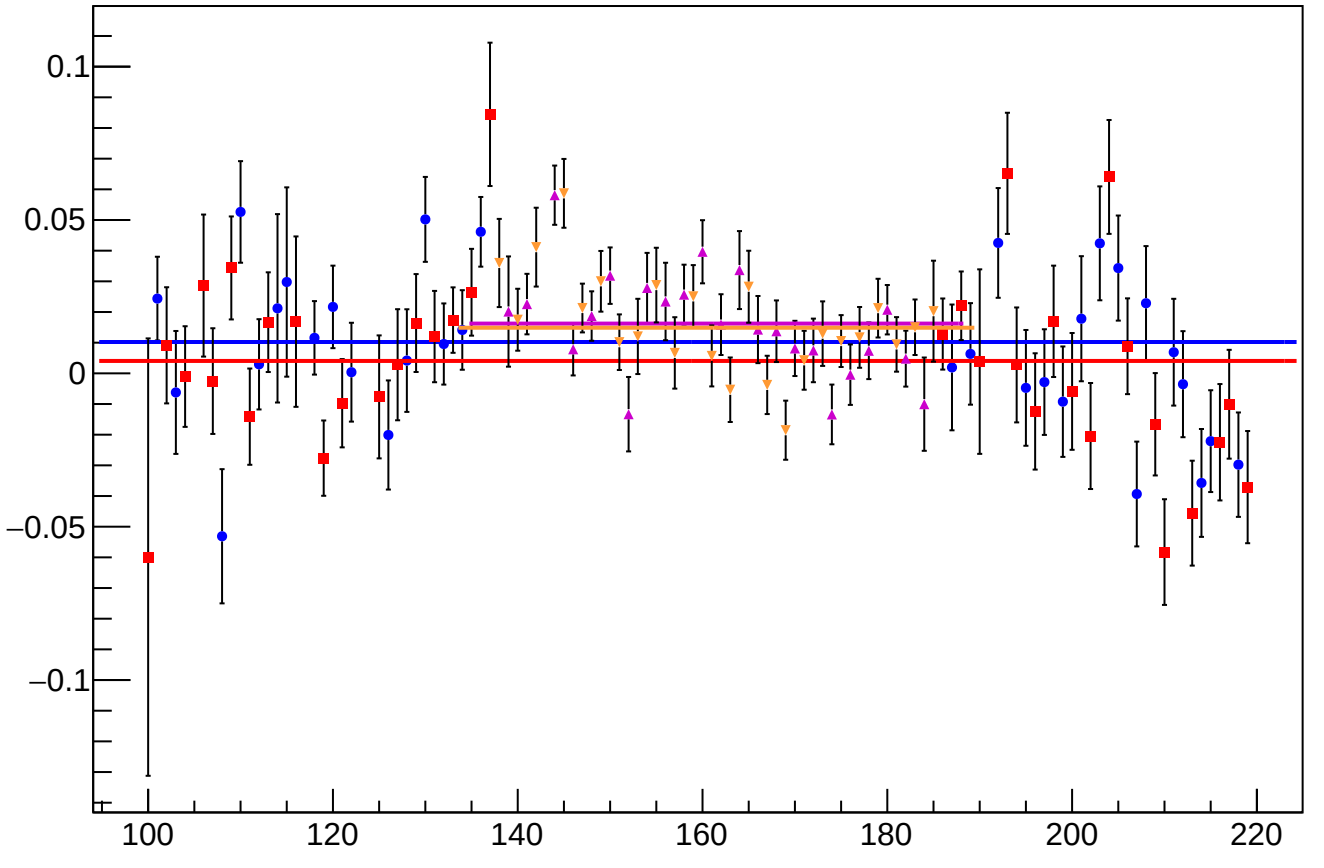
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

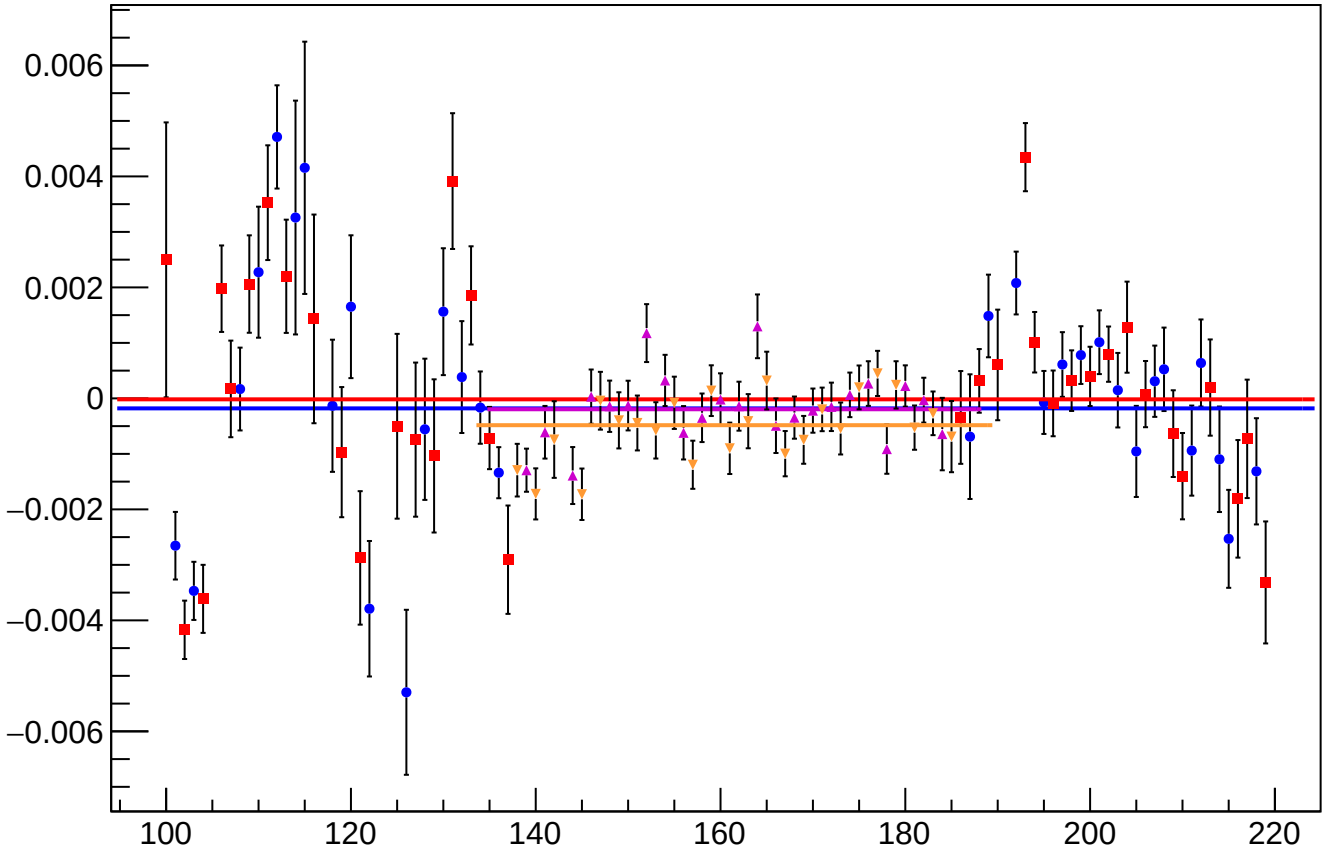
Right: 0.006+/-0.001 χ^2/NDF: 1670.3/66

In: -0.005+/-0.002 χ^2/NDF:1094.7/54

Out: -0.001+/-0.001 χ^2/NDF:1937.8/58

All: -0.003+/-0.001 χ^2/NDF: 3035.8/113


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
220
Right In: 0.010+/-0.003 χ²/NDF: 76.7/31
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.004+/-0.003 χ²/NDF: 89.9/34
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
Left: 0.016+/-0.001 χ²/NDF: 110.2/46
Right: 0.007+/-0.002 χ²/NDF: 168.9/66
In: 0.014+/-0.002 χ²/NDF:137.5/54
Out: 0.011+/-0.002 χ²/NDF:151.5/58
All: 0.013+/-0.001 χ²/NDF: 290.7/113



Right In: -0.000+/-0.000 χ^2/NDF: 170.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 236.7/34

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

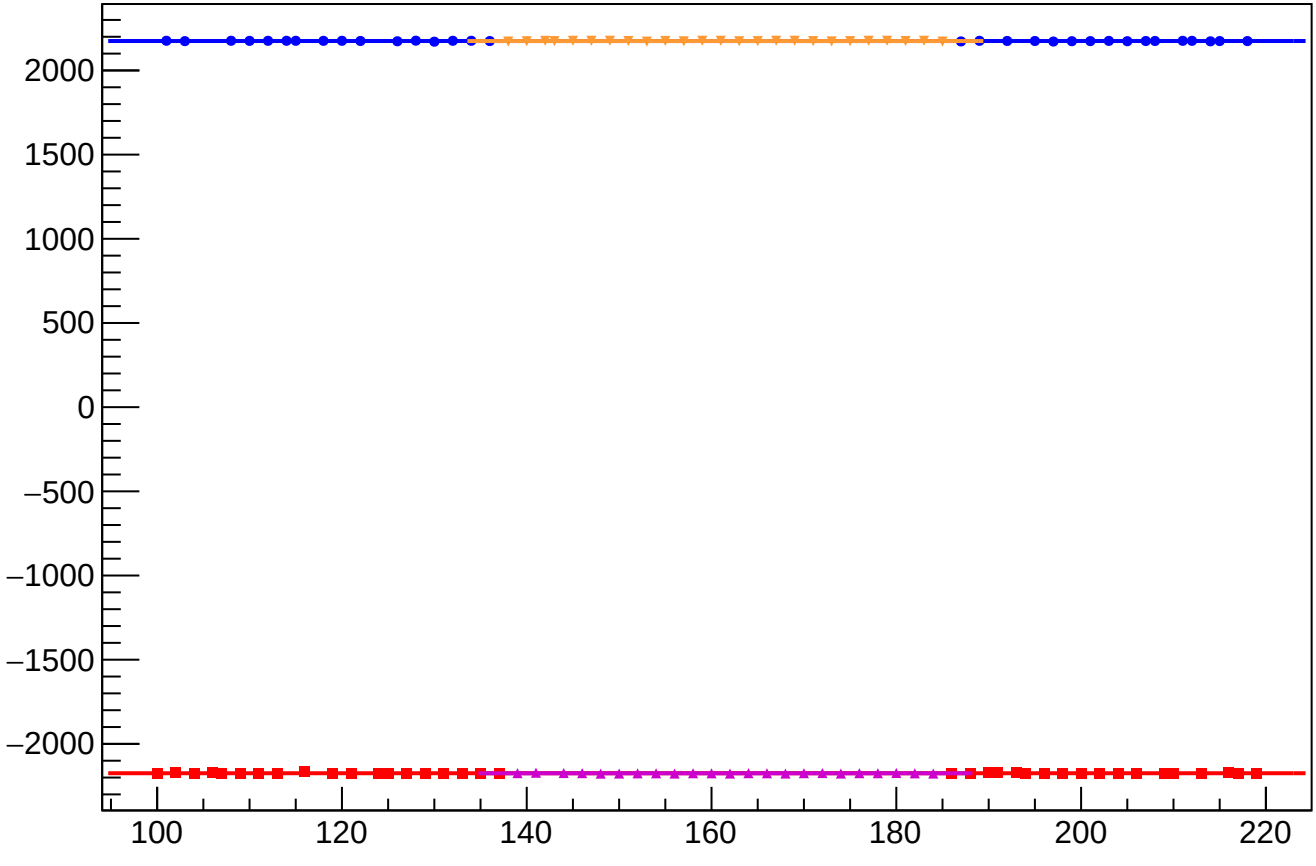
Right: -0.000+/-0.000 χ^2/NDF: 408.3/66

In: -0.000+/-0.000 χ^2/NDF:208.0/54

Out: -0.000+/-0.000 χ^2/NDF:286.0/58

All: -0.000+/-0.000 χ^2/NDF: 495.5/113

HALLA_p_mean vs Slug, Sign Corrected



Left: 62.103+/-0.000 χ^2/NDF: 18541167673153150

Right In: 2174.763+/-0.000 χ^2/NDF: 3684432468422690380645870438711296.0/31

Right: -70.423+/-0.000 χ^2/NDF: 202125853928544

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

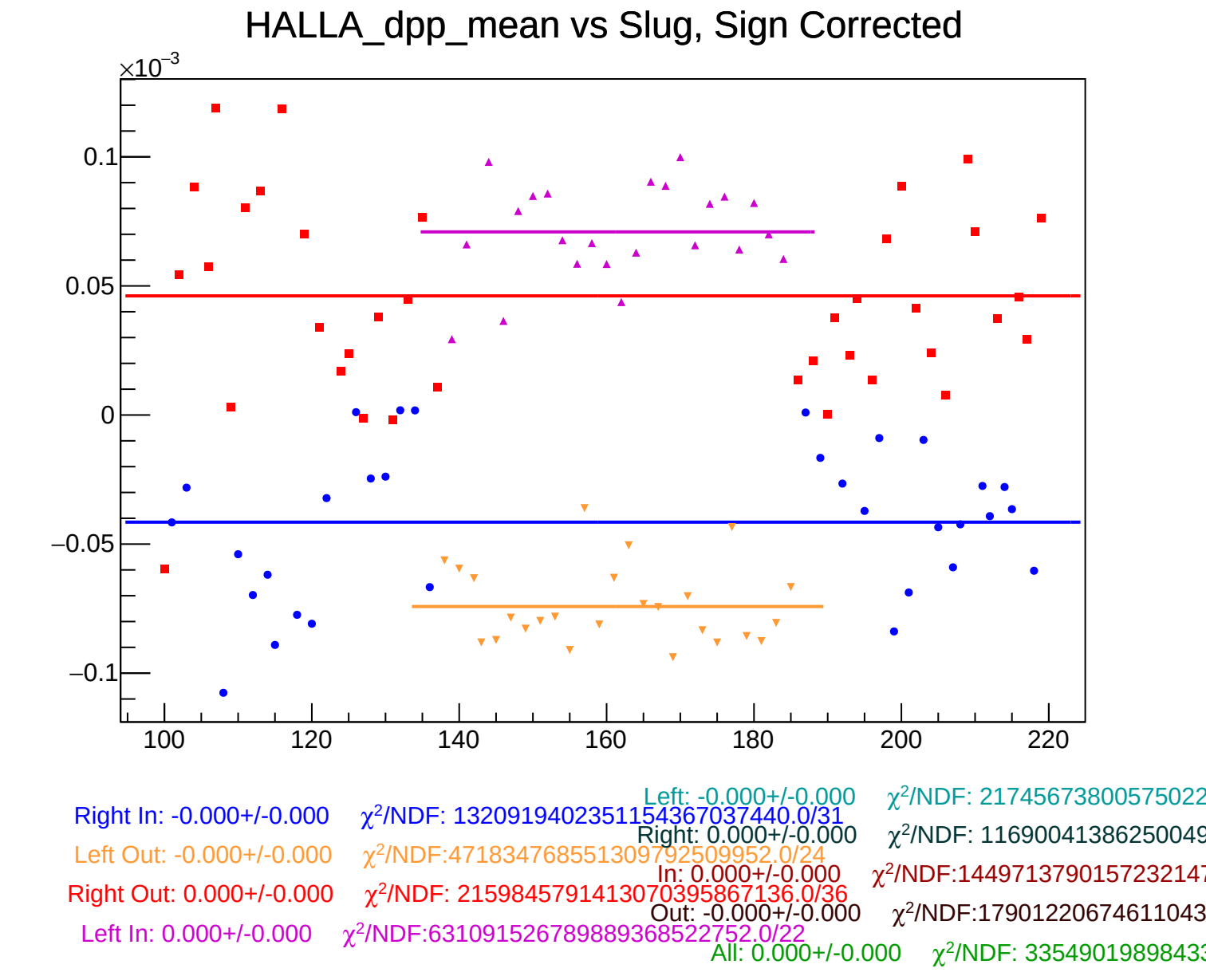
In: 89.794+/-0.000 χ^2/NDF:18771233784073645

Right Out: -2174.332+/-0.000 χ^2/NDF: 1247822853569084135478357215 1500800.0/36

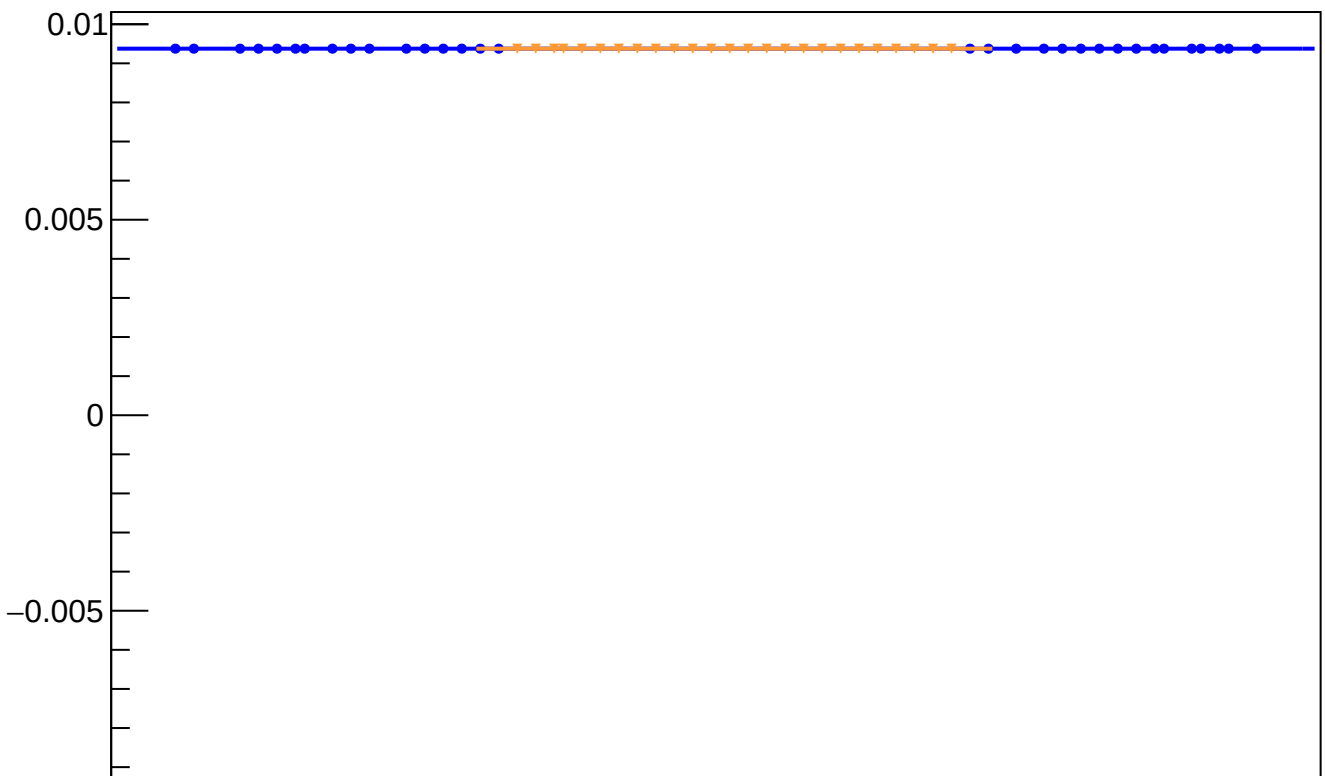
Out: -98.101+/-0.000 χ^2/NDF:1994613668754145

Left In: -2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572 9152.0/22

All: -7.028+/-0.000 χ^2/NDF: 3878970349764


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: 1320919402351154367037440.0/31
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 215984579141307039586713 6.0/36
Left In: 0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
Left: -0.000+/-0.000 χ²/NDF: 21745673800575022
Right: 0.000+/-0.000 χ²/NDF: 11690041386250049
In: 0.000+/-0.000 χ²/NDF:1449713790157232147
Out: -0.000+/-0.000 χ²/NDF:17901220674611043
All: 0.000+/-0.000 χ²/NDF: 3354901989843

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/31

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/36

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

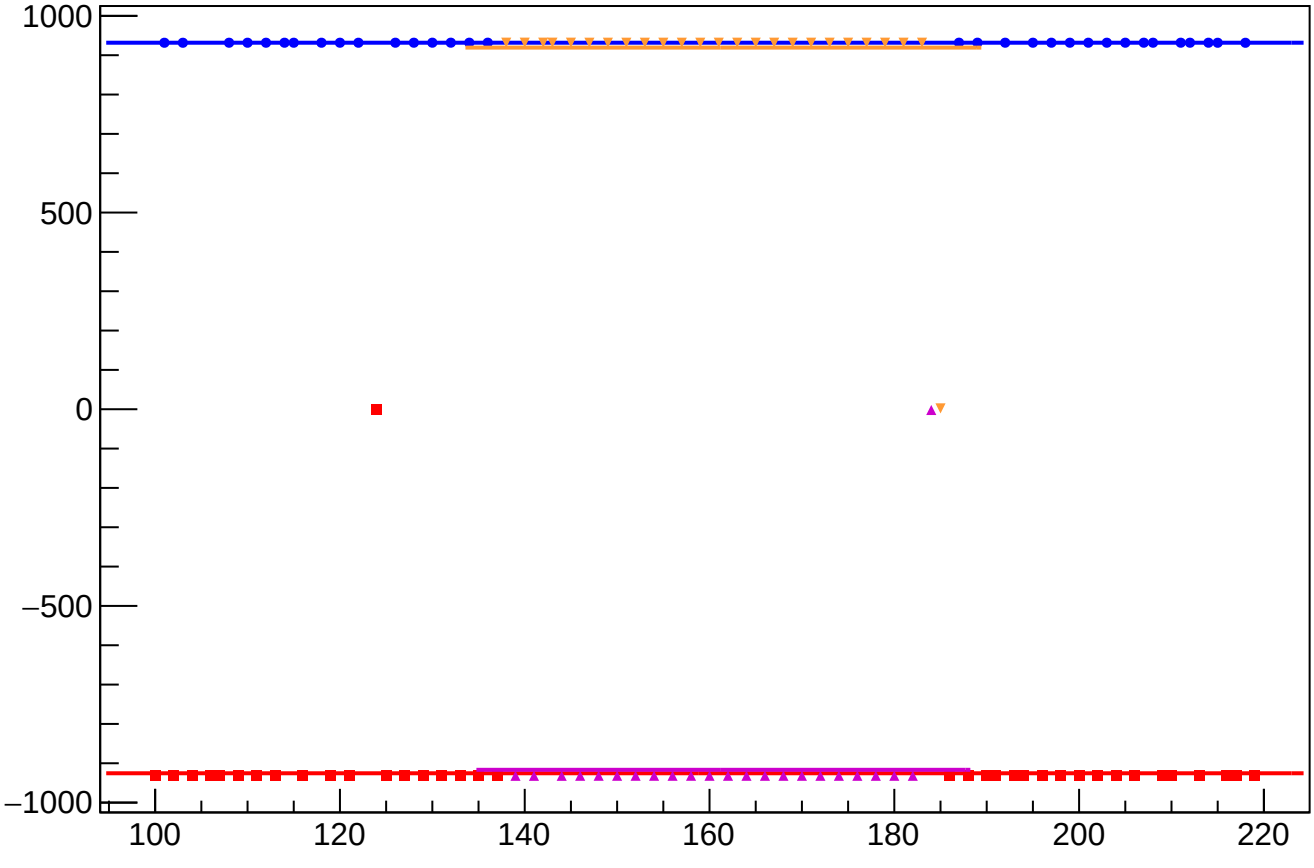
Right: -0.000+/-0.000 χ^2/NDF: 3756871311930349

In: 0.000+/-0.000 χ^2/NDF:348858581174546282

Out: -0.000+/-0.000 χ^2/NDF:37075513440383132

All: -0.000+/-0.000 χ^2/NDF: 7209589860416

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.765+/-0.000 χ^2/NDF: 695688934620584068720946996838 4.0/31

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

Right Out: -925.434+/-0.000 χ^2/NDF: 1293337326132345214943365139999 0094784.0/36

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

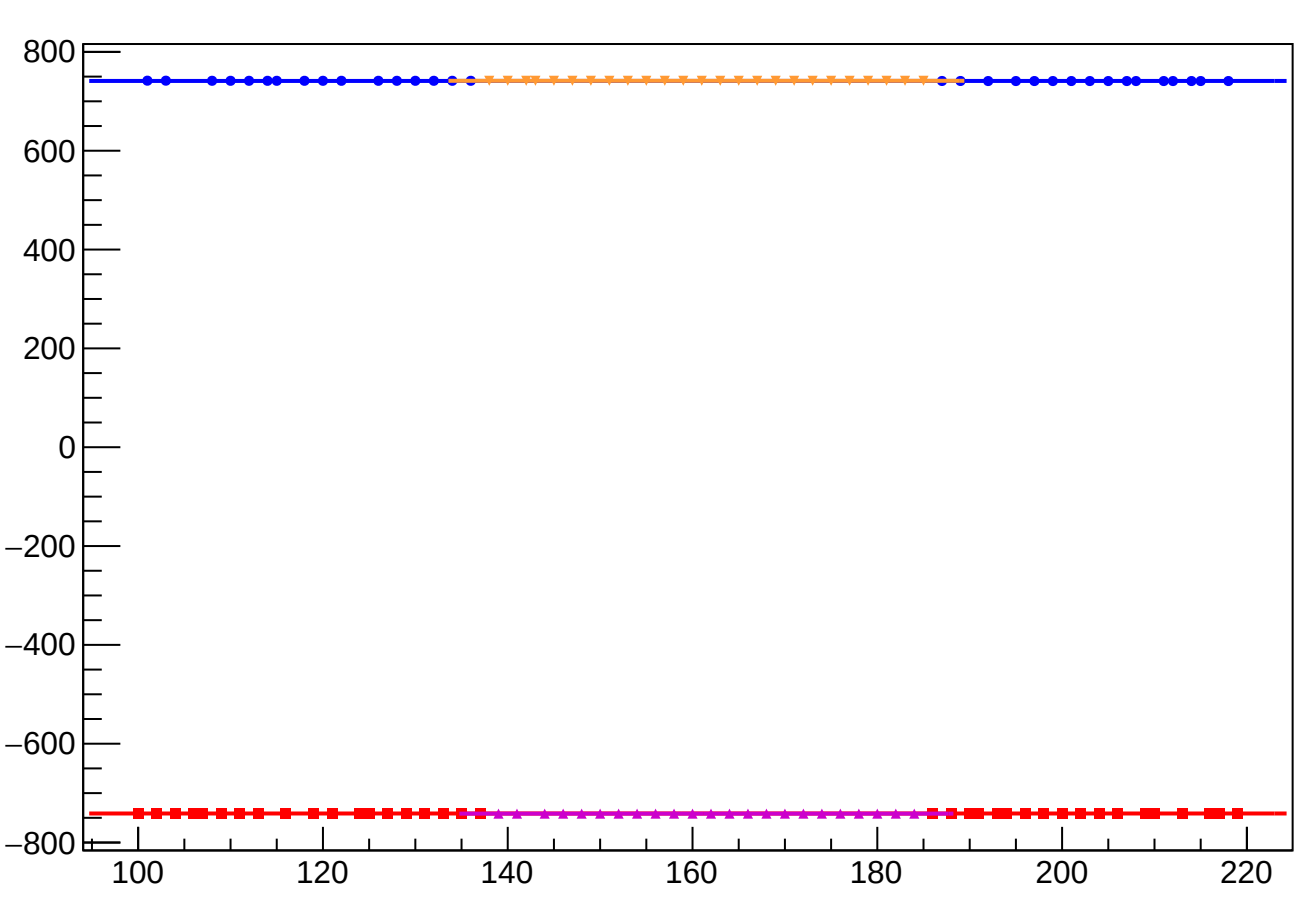
Left: 27.548+/-0.000 χ^2/NDF: 335355180821936 32

Right: -27.000+/-0.000 χ^2/NDF: 369880718400190 9

In: 45.676+/-0.000 χ^2/NDF:341674374699250464

Out: -44.722+/-0.000 χ^2/NDF:3624962927475917

All: -0.906+/-0.000 χ^2/NDF: 7058449544456



Right In: 741.225+/-0.000 χ^2/NDF: 1443340585168986725249841480335360.0/31

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005120.0/24

Right Out: -741.227+/-0.000 χ^2/NDF: 153041687196508102944580429676544.0/36

Left In: -741.513+/-0.000 χ^2/NDF:234703983030085423185895882752.0/22

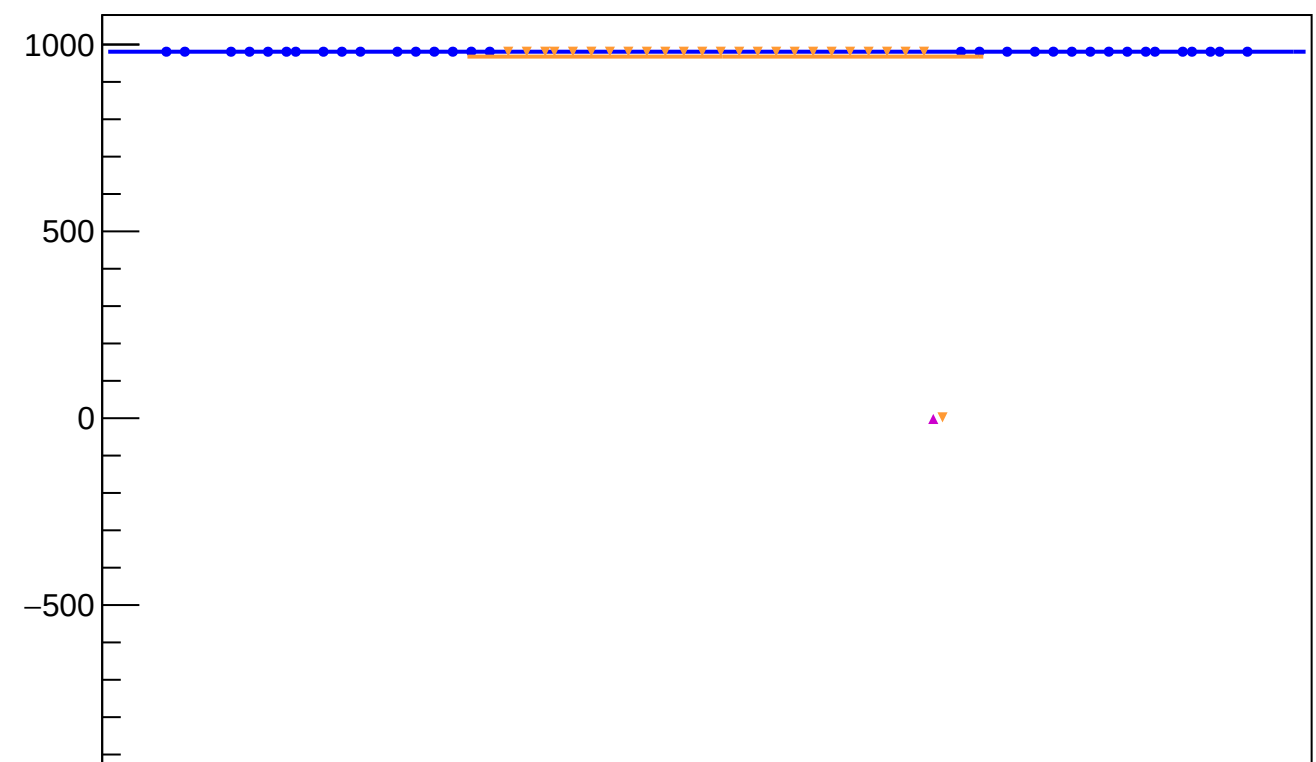
Left: 21.165+/-0.000 χ^2/NDF: 21558191183425632

Right: -24.079+/-0.000 χ^2/NDF: 234847060955384

In: 30.436+/-0.000 χ^2/NDF:218160133502920833

Out: -33.356+/-0.000 χ^2/NDF:2318540862171130

All: -2.436+/-0.000 χ^2/NDF: 4508479791176



Right In: 980.803+/-0.000 χ^2/NDF: 19534914391897421820437400125440.0/31

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

Right Out: -980.783+/-0.000 χ^2/NDF: 6364003421789029334335095203430 4.0/36

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

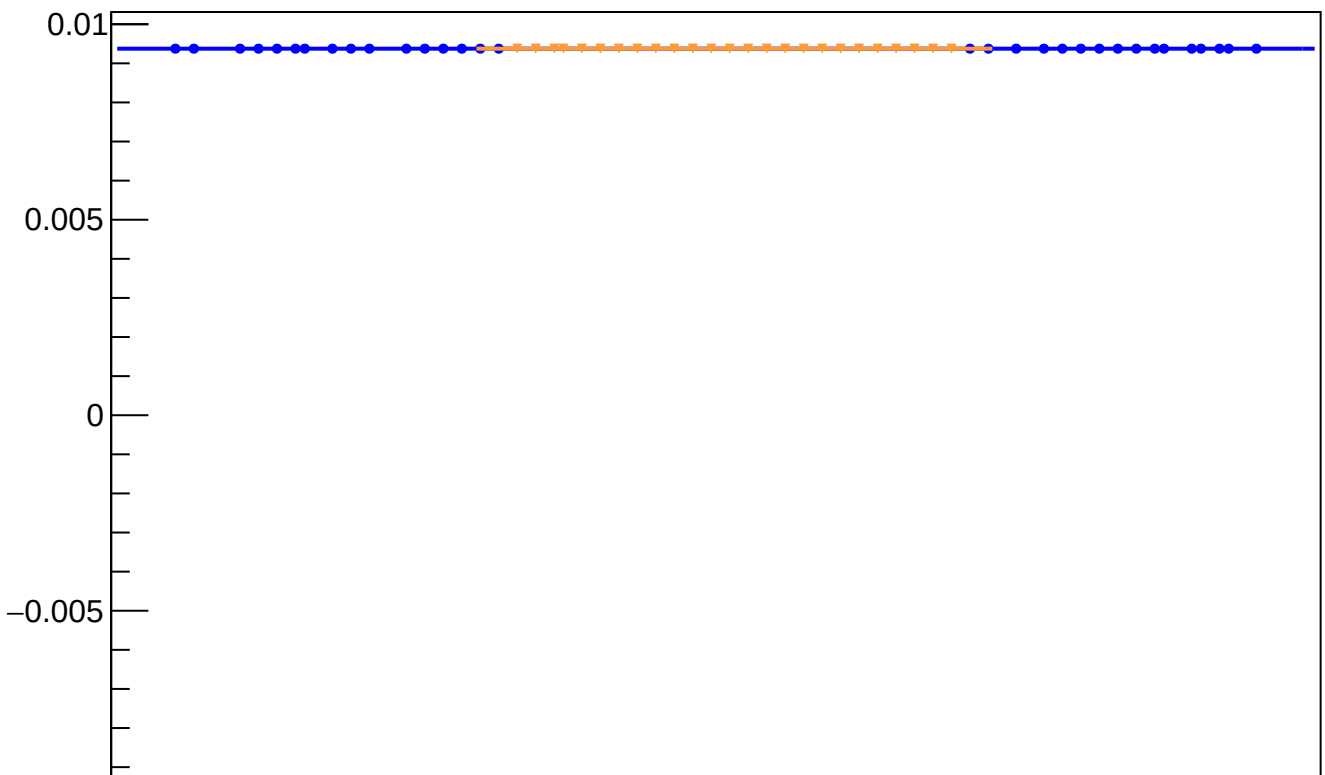
Right: -31.850+/-0.000 χ^2/NDF: 411186014717531

In: 48.101+/-0.000 χ^2/NDF:37856809555206477 2

Out: -50.574+/-0.000 χ^2/NDF:4029259288730229

All: -2.746+/-0.000 χ^2/NDF: 7834889391801

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/31

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/36

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

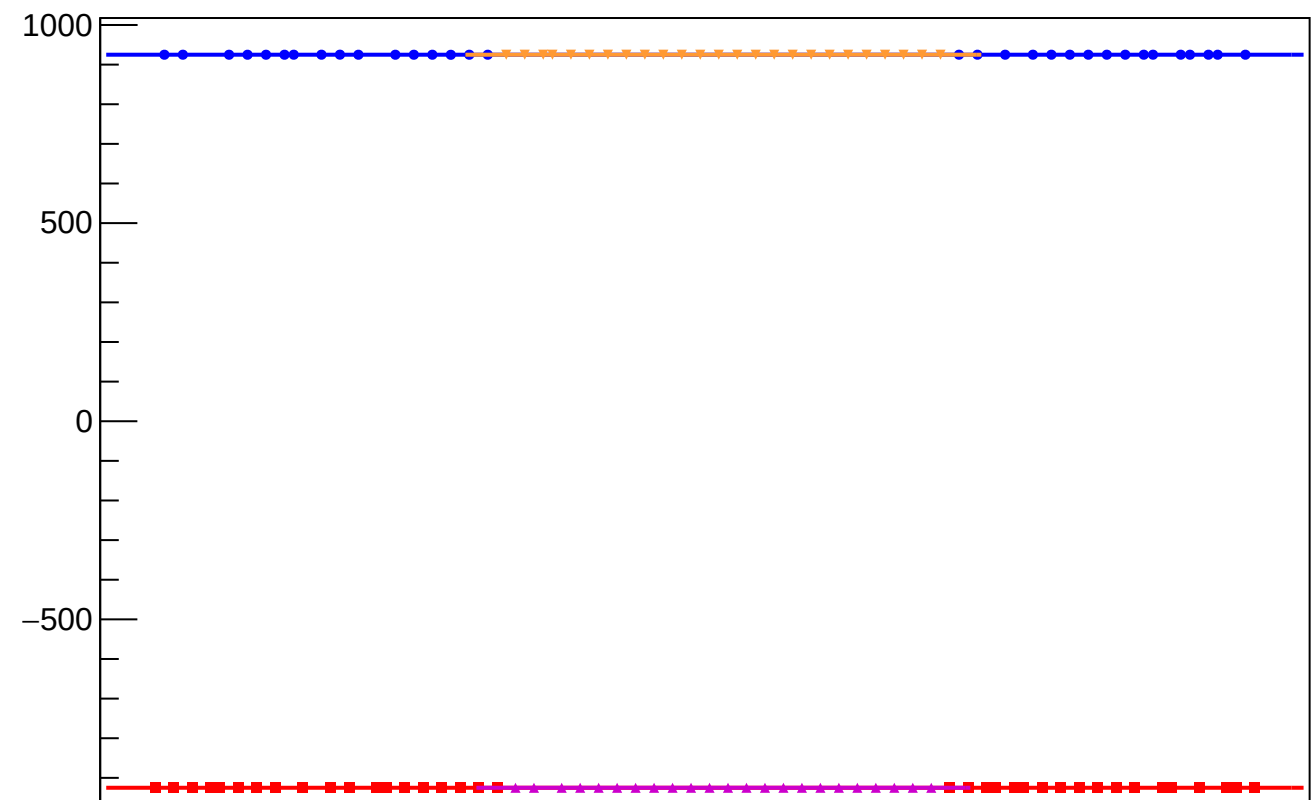
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 3756871311930349

In: 0.000+/-0.000 χ^2/NDF:348858581174546282

Out: -0.000+/-0.000 χ^2/NDF:37075513440383132

All: -0.000+/-0.000 χ^2/NDF: 7209589860416



Right In: 924.996+/-0.000 χ^2/NDF: 377410447142358480348672058982 4.0/31

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.998+/-0.000 χ^2/NDF: 206497557152446838298180688281 6.0/36

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

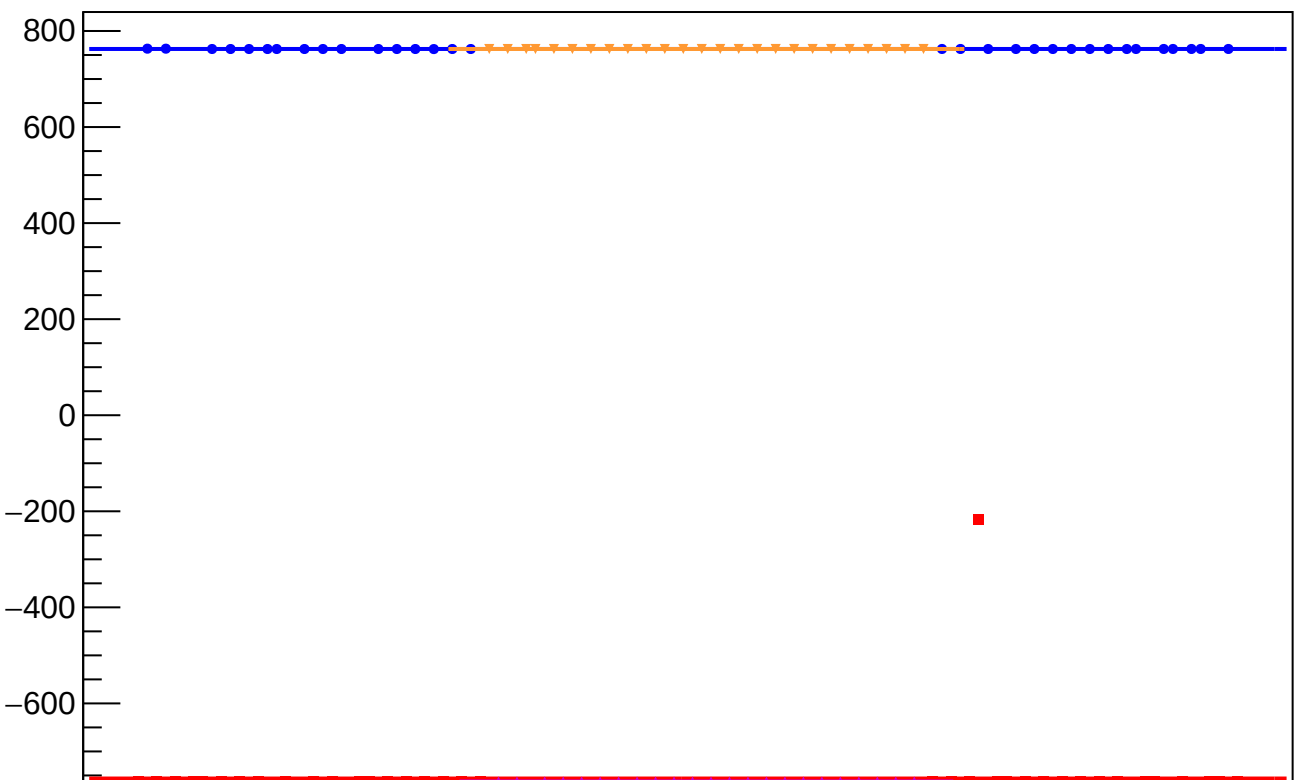
Left: 26.401+/-0.000 χ^2/NDF: 3354615142636374

Right: -30.049+/-0.000 χ^2/NDF: 365733202007676

In: 38.160+/-0.000 χ^2/NDF:339609915475879671

Out: -41.804+/-0.000 χ^2/NDF:3609270162971101

All: -3.045+/-0.000 χ^2/NDF: 7018469919901



Right In: 762.570+/-0.000 χ^2/NDF: 5552393222804477762082453428633 6.0/31

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: -756.402+/-0.000 χ^2/NDF: 735525919677402594863286680795113 0624.0/36

Left In: -762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

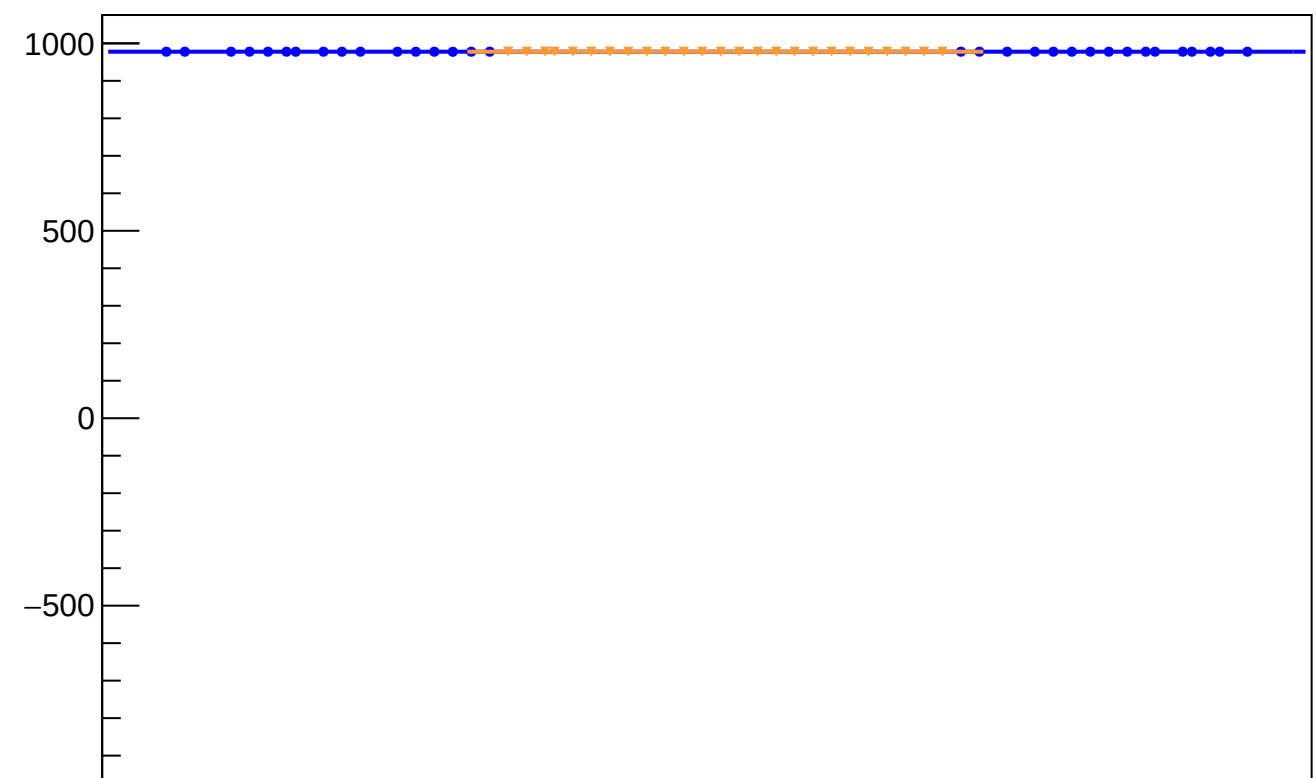
Left: 21.764+/-0.000 χ^2/NDF: 22796901664040585

Right: -21.587+/-0.000 χ^2/NDF: 247296075602553

In: 31.479+/-0.000 χ^2/NDF:2308008037214907 46

Out: -31.259+/-0.000 χ^2/NDF:244042546965242 5

All: -0.850+/-0.000 χ^2/NDF: 475649769506 1



Left: 27.908+/-0.000 χ^2/NDF: 3748164275708314

Right In: 977.761+/-0.000 χ^2/NDF: 22247441154779293947879657308 16.0/31

Right: -31.761+/-0.000 χ^2/NDF: 408646609795899

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

In: 40.342+/-0.000 χ^2/NDF:37945536817843970

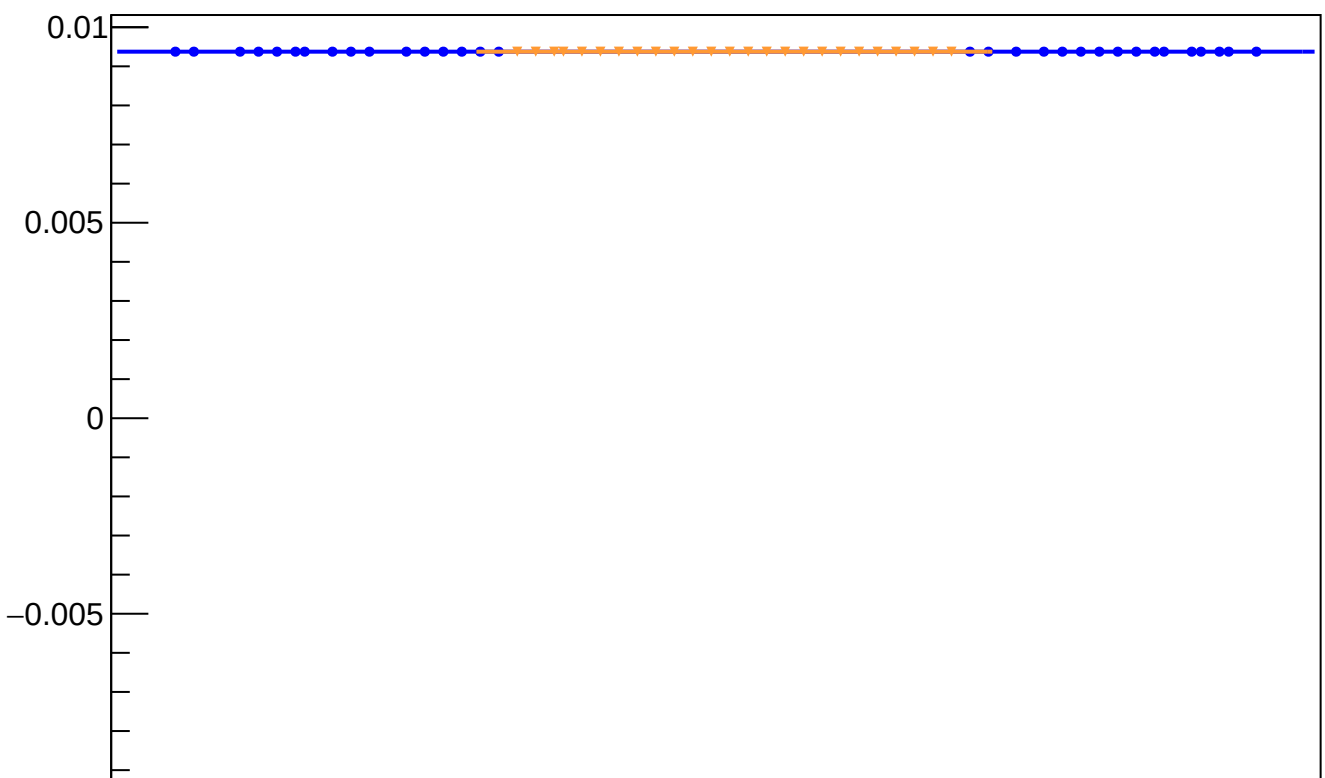
Right Out: -977.758+/-0.000 χ^2/NDF: 2870449153167939807509871591424.0/36

Out: -44.191+/-0.000 χ^2/NDF:4032723795862382

Left In: -977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

All: -3.217+/-0.000 χ^2/NDF: 7841918076171

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/31

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/36

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

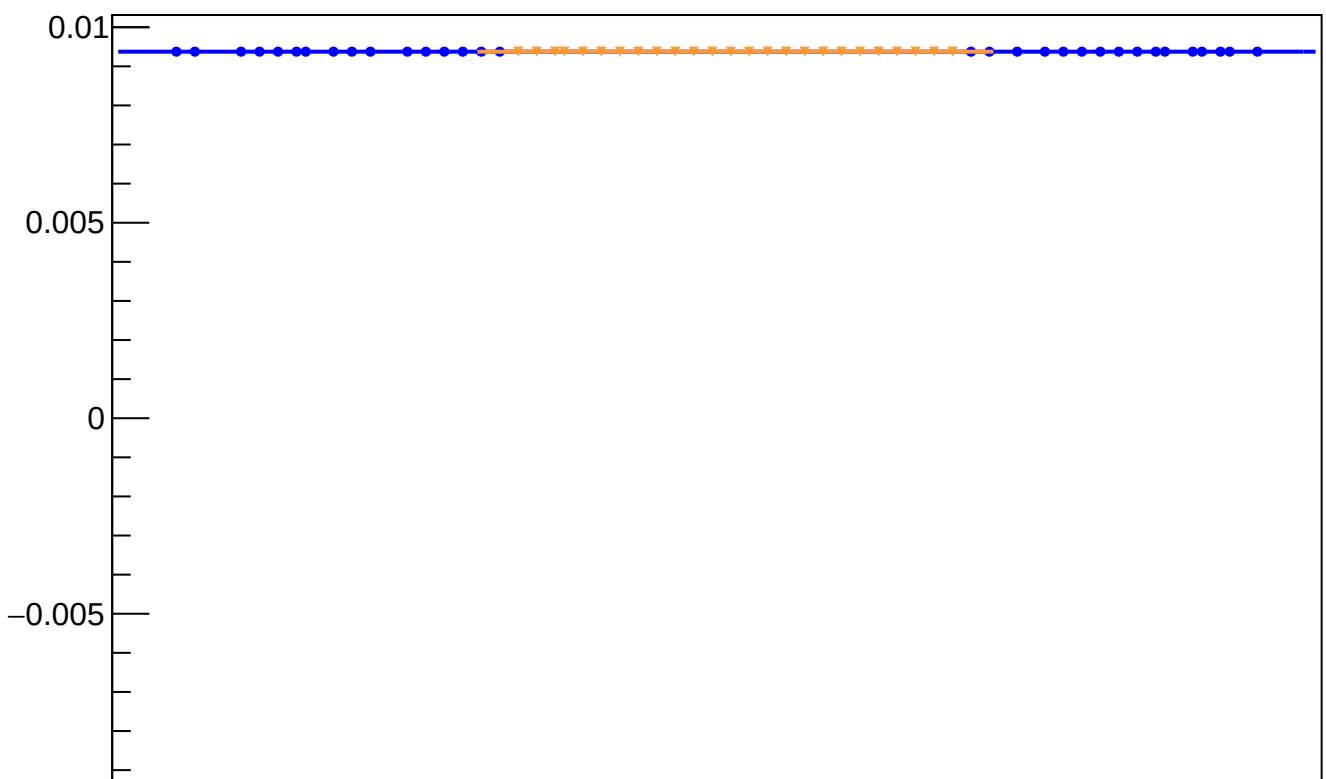
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 3756871311930349

In: 0.000+/-0.000 χ^2/NDF:348858581174546282

Out: -0.000+/-0.000 χ^2/NDF:37075513440383132

All: -0.000+/-0.000 χ^2/NDF: 7209589860416



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/31

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/36

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

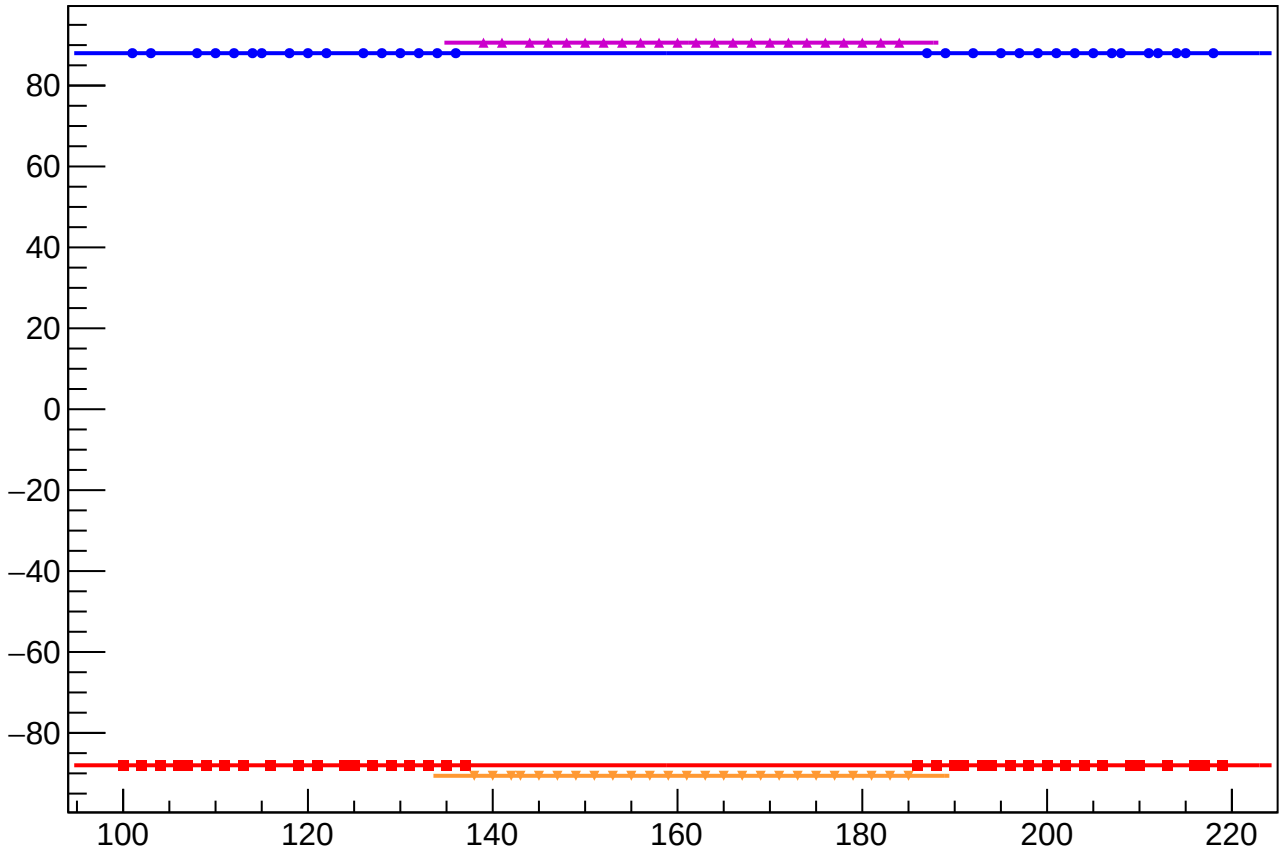
Right: -0.000+/-0.000 χ^2/NDF: 3756871311930349

In: 0.000+/-0.000 χ^2/NDF:348858581174546282

Out: -0.000+/-0.000 χ^2/NDF:37075513440383132

All: -0.000+/-0.000 χ^2/NDF: 7209589860416

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 4490120.5/31

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.002+/-0.000 χ^2/NDF: 768778896372931767394872852480/36

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

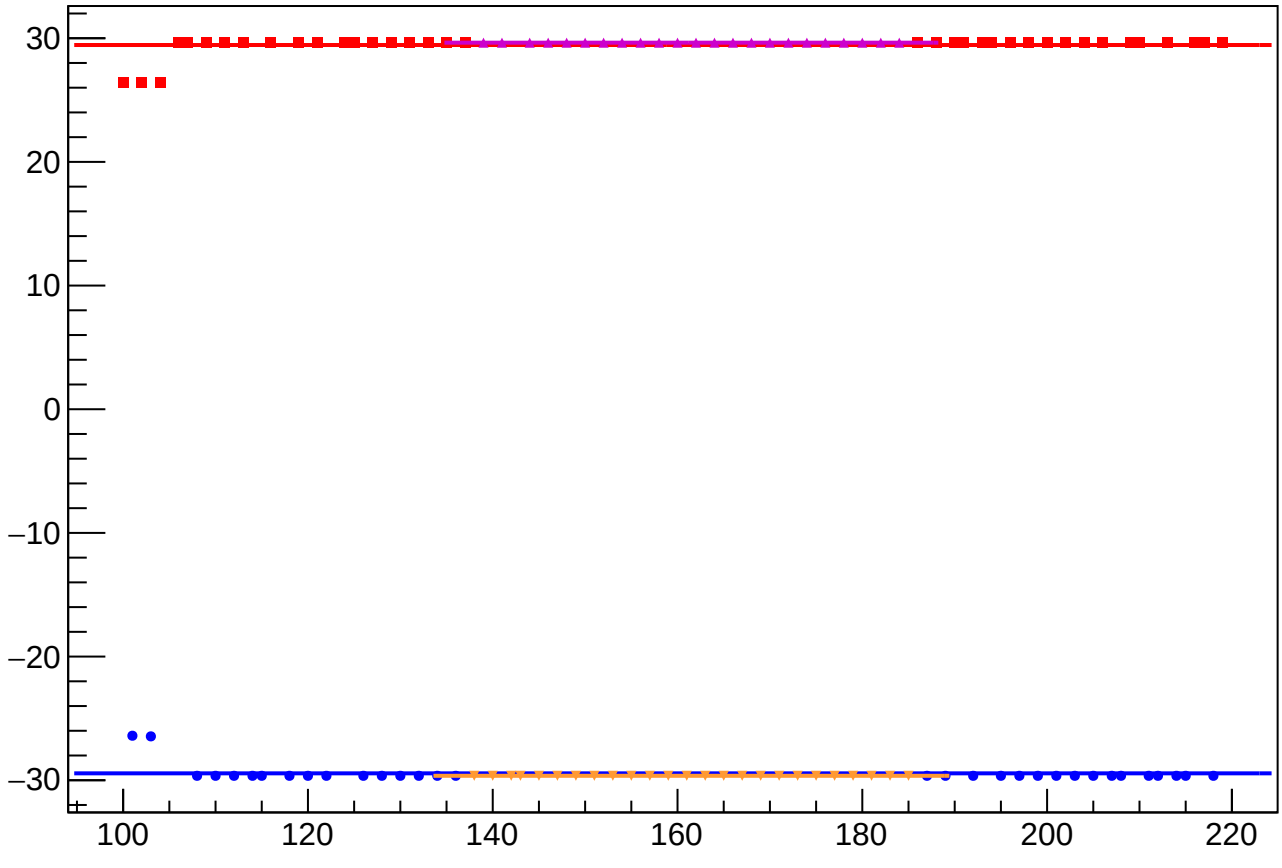
Right: -2.859+/-0.000 χ^2/NDF: 331024897815689

In: 89.246+/-0.000 χ^2/NDF:670075355092240185

Out: -89.242+/-0.000 χ^2/NDF:7116294340709575

All: -2.728+/-0.000 χ^2/NDF: 6528550769444

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.442+/-0.000 χ^2/NDF: 124106916074534103432715567523430 4.0/31

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.451+/-0.000 χ^2/NDF: 127510911362607266363346555764736 0.0/36

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

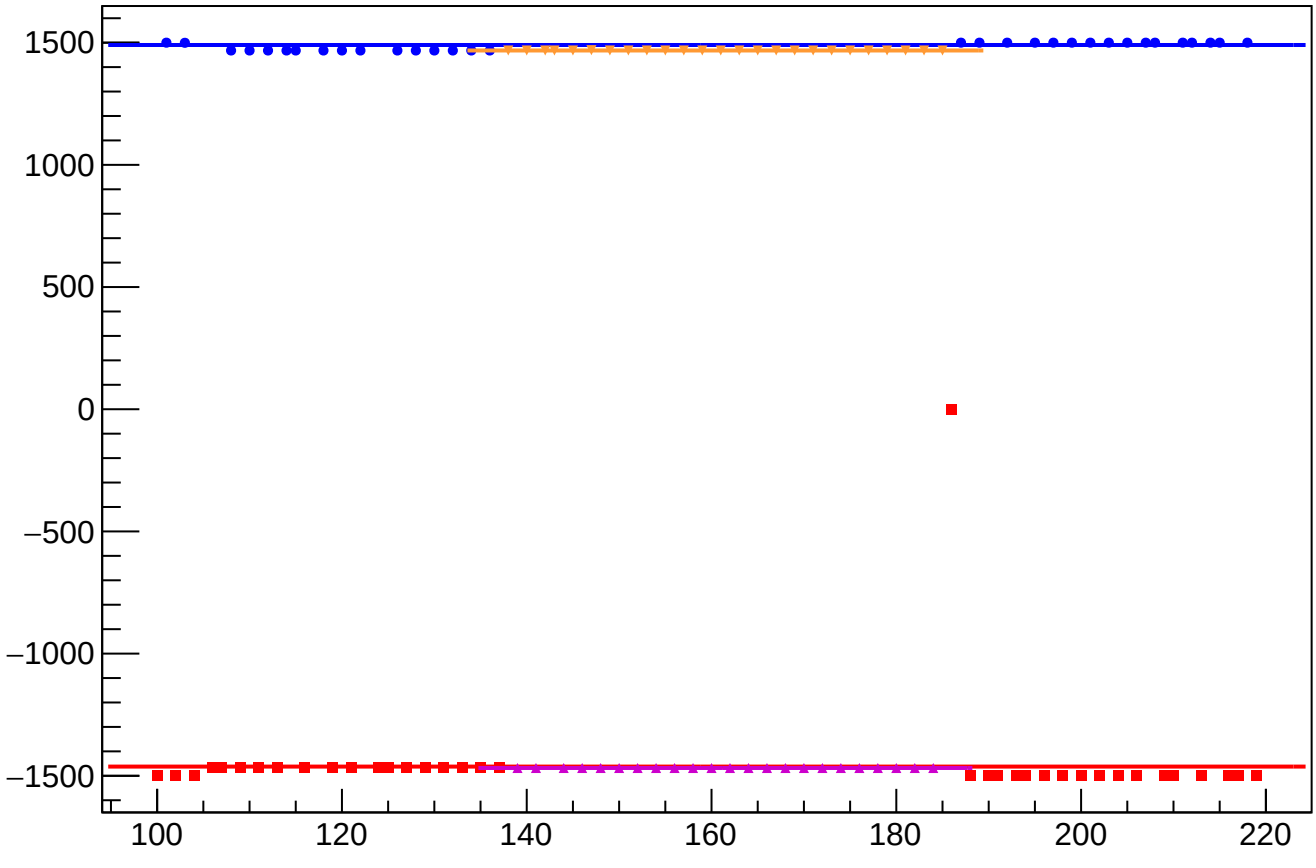
Right: 0.961+/-0.000 χ^2/NDF: 37089586490690261

In: -1.119+/-0.000 χ^2/NDF:346514956517588245

Out: 1.240+/-0.000 χ^2/NDF:368379350863585954

All: 0.097+/-0.000 χ^2/NDF: 71603500898945

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1490.503+/-0.000 χ^2/NDF: 44182210400787476882279739304810905 6.0/31

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

Right Out: -1462.291+/-0.000 χ^2/NDF: 92007693713298389905267586861266632704.0/36

Left In: -1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Left: 41.929+/-0.000 χ^2/NDF: 8449679330293095

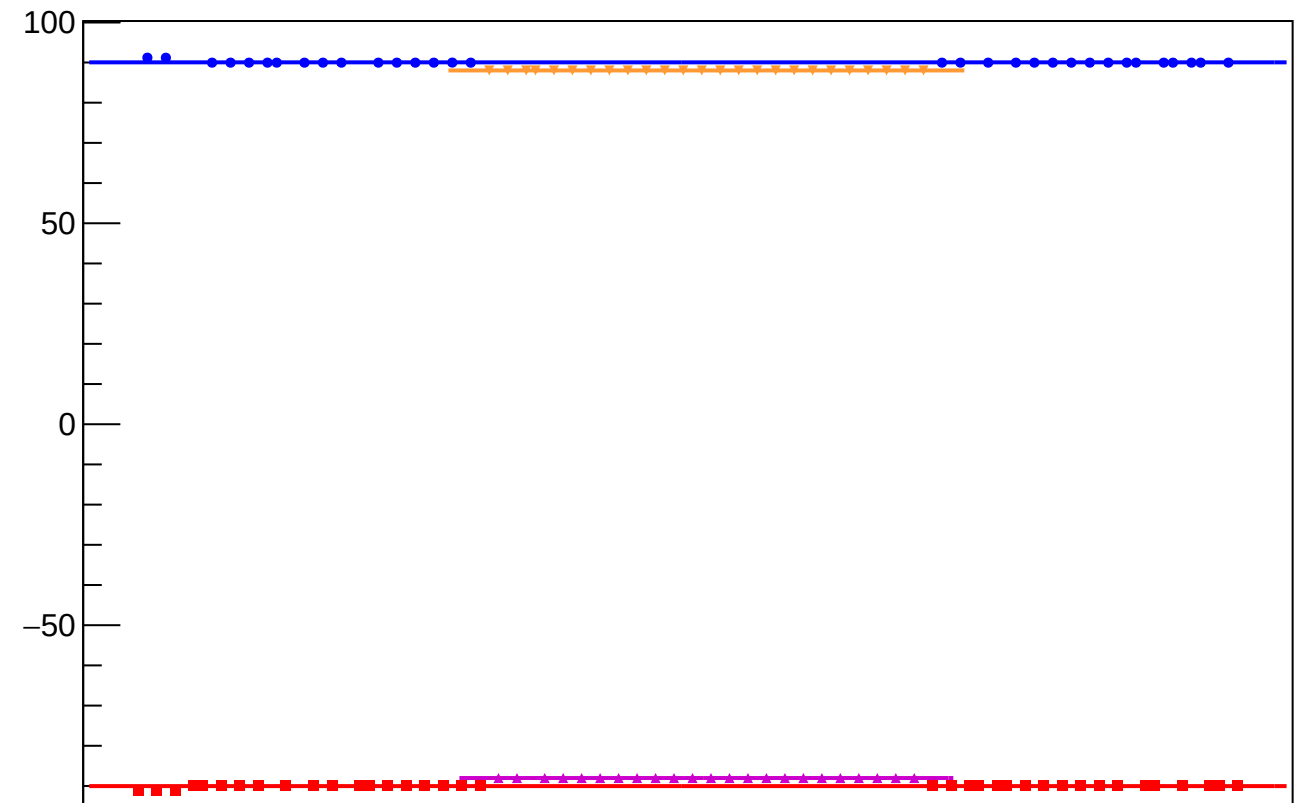
Right: -33.854+/-0.000 χ^2/NDF: 940974435609198

In: 72.270+/-0.000 χ^2/NDF:868582271953838257

Out: -63.325+/-0.000 χ^2/NDF:9147686908805825

All: 2.398+/-0.000 χ^2/NDF: 1787117918335

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.036+/-0.000 χ^2/NDF: 181687872100855330883948605603840.0/31

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.032+/-0.000 χ^2/NDF: 18676723947490323233054979522560 0.0/36

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 303769885681723848

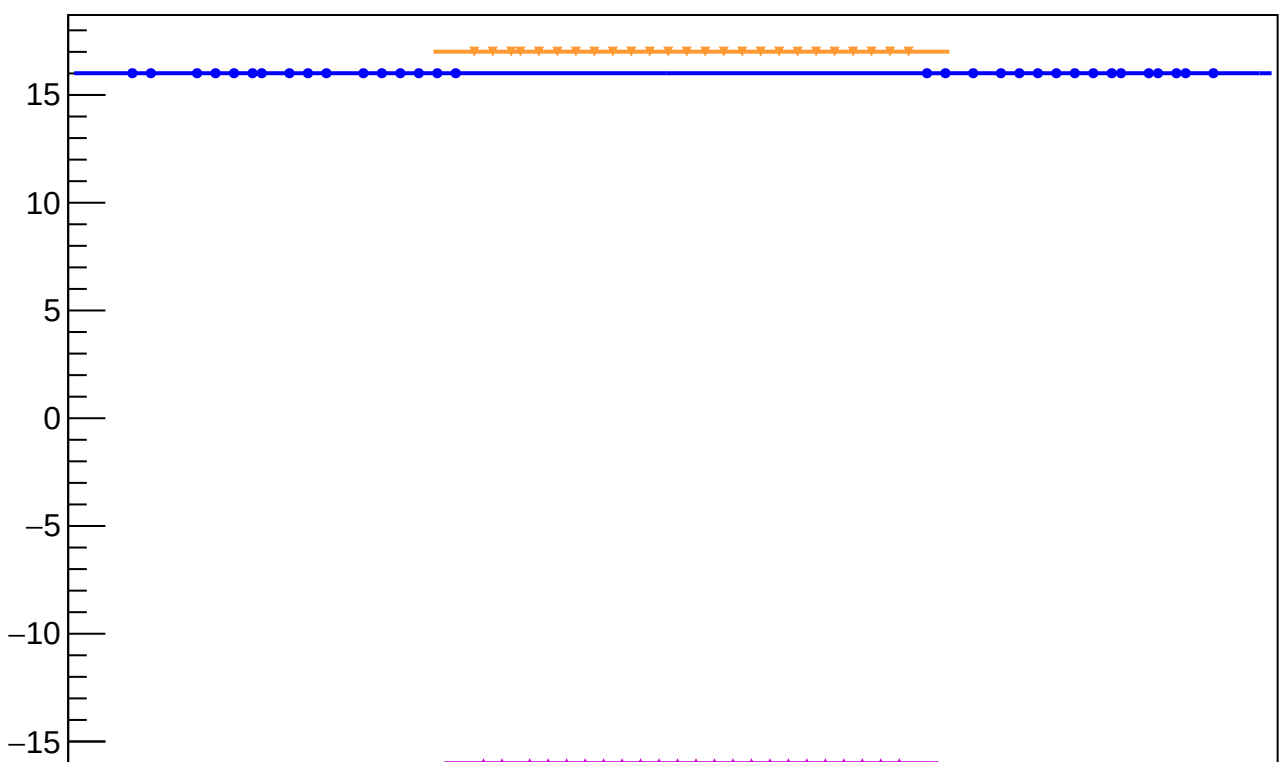
Right: -2.923+/-0.000 χ^2/NDF: 3464963572647773

In: 4.680+/-0.000 χ^2/NDF:3146042696435731295

Out: -5.028+/-0.000 χ^2/NDF:3343572320159125

All: -0.323+/-0.000 χ^2/NDF: 6508708816278

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 990648898385513510076416.0/31

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760/24

Right Out: -17.009+/-0.000 χ^2/NDF: 22583579773521684059914240.0/36

Left In: -16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

Left: 0.967+/-0.000 χ^2/NDF: 9915881080068676 86

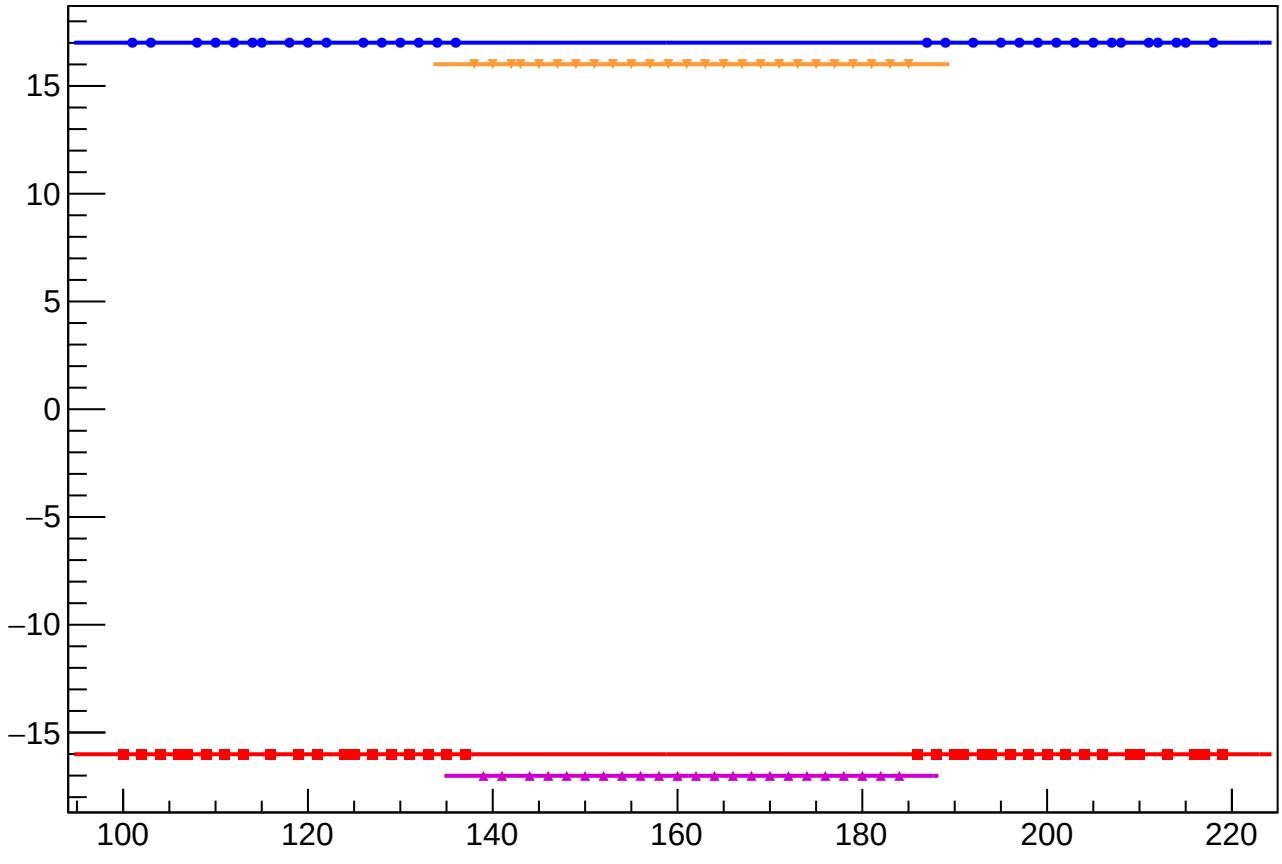
Right: -0.928+/-0.000 χ^2/NDF: 1135805279913619

In: 1.104+/-0.000 χ^2/NDF:9693099956433427428

Out: -1.132+/-0.000 χ^2/NDF:11553033910009809

All: -0.044+/-0.000 χ^2/NDF: 2134370095051

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 9908378289382660274913280.0/31

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 24591799503687635697664.0/36

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944 0.0/22

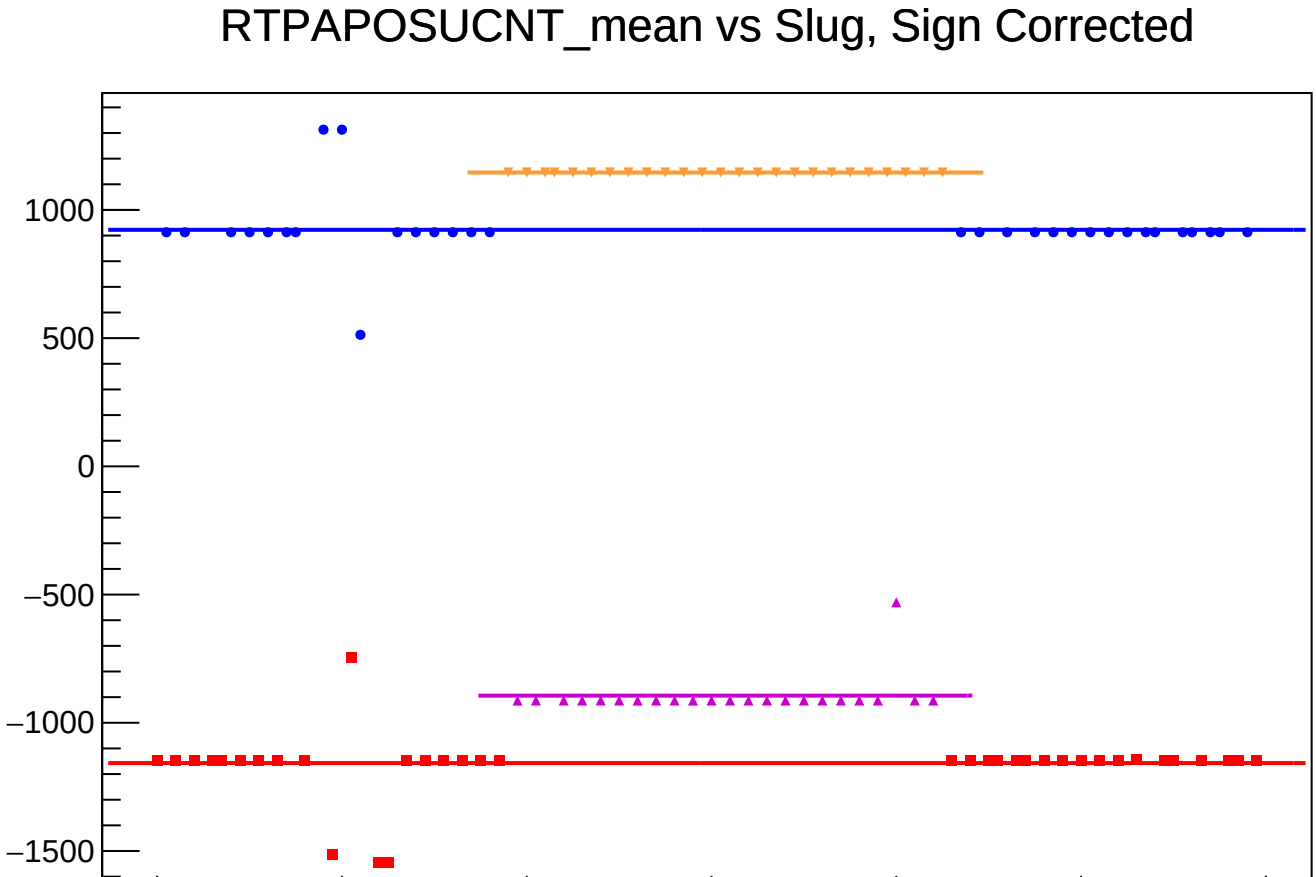
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

Right: -0.158+/-0.000 χ^2/NDF: 1154088652631875

In: 0.768+/-0.000 χ^2/NDF:11248853825968104 76

Out: -0.812+/-0.000 χ^2/NDF:10729203265648347

All: -0.051+/-0.000 χ^2/NDF: 2202855157933



Right In: 922.463+/-0.000 χ^2/NDF: 21415818621503385349573650213198888960.0/31

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974720/24

Right Out: -1157.149+/-0.000 χ^2/NDF: 22672627163634123932983427652994990080.0/36

Left In: -894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

Left: 155.071+/-0.000 χ^2/NDF: 4092819151469536

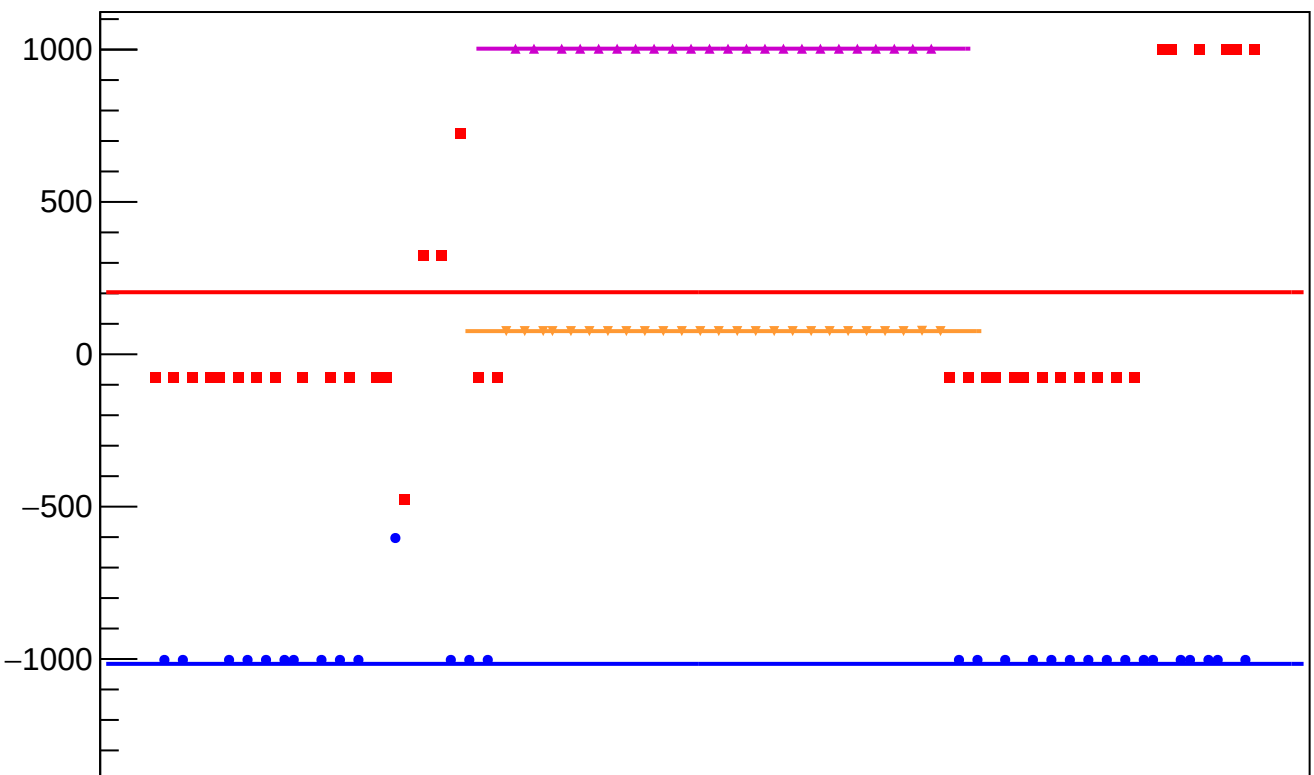
Right: -151.120+/-0.000 χ^2/NDF: 46656444962933

In: 51.642+/-0.000 χ^2/NDF:330906955996413991

Out: -57.599+/-0.000 χ^2/NDF:5616848173190948

All: -4.650+/-0.000 χ^2/NDF: 8950368034990

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 526.293+/-0.000 χ^2/NDF: 8422008663429018

Right In: -1015.936+/-0.000 χ^2/NDF: 2349271792759345625002769270657620377 6.0/31

Right: -386.315+/-0.000 χ^2/NDF: 209981869971724

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

In: -48.111+/-0.000 χ^2/NDF:406820285851466526

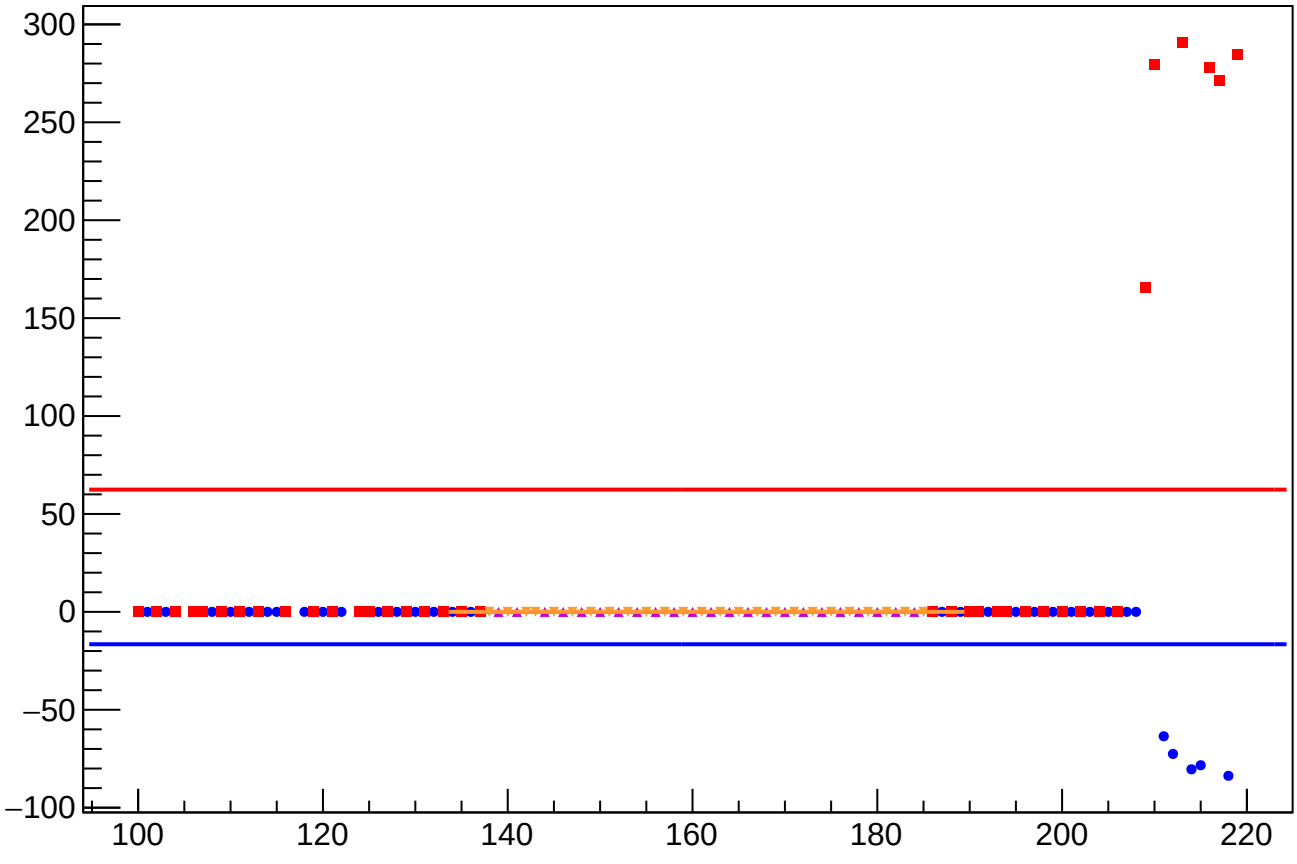
Right Out: 203.687+/-0.000 χ^2/NDF: 486775034884807747128635453543475576832.0/36

Out: 142.753+/-0.000 χ^2/NDF:5039548933631667

Left In: 1002.990+/-0.000 χ^2/NDF:295195590334831475309726924 8.0/22

All: 50.241+/-0.000 χ^2/NDF: 4646794683402

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: -16.539+/-0.000 χ^2/NDF: 20623530568373943881165926136020992000.0/31

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 62.418+/-0.000 χ^2/NDF: 284711156012933953192940946095488368640.0/36

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466230

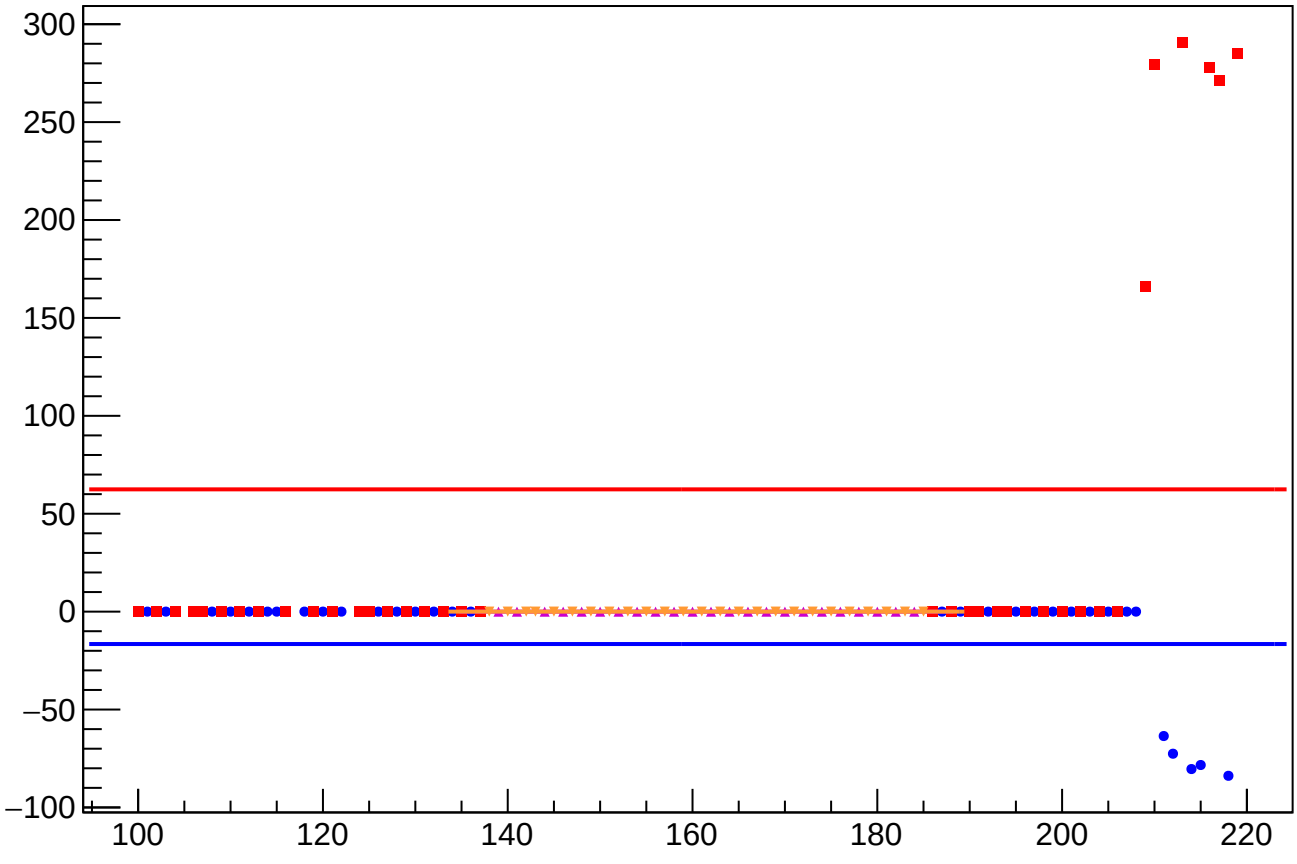
Right: 24.222+/-0.000 χ^2/NDF: 3719559944264509

In: -8.615+/-0.000 χ^2/NDF:233348808455162186

Out: 32.624+/-0.000 χ^2/NDF:32578645457409192

All: 12.635+/-0.000 χ^2/NDF: 3839651221642

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: -16.545+/-0.000 χ^2/NDF: 20638962897877763705277873627468922880/31

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 62.447+/-0.000 χ^2/NDF: 28488556979324874243162655909356765184.0/36

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466231

Right: 24.234+/-0.000 χ^2/NDF: 3722037825301346

In: -8.618+/-0.000 χ^2/NDF:233521323029439548

Out: 32.639+/-0.000 χ^2/NDF:32599876601496045

All: 12.642+/-0.000 χ^2/NDF: 3842249883462