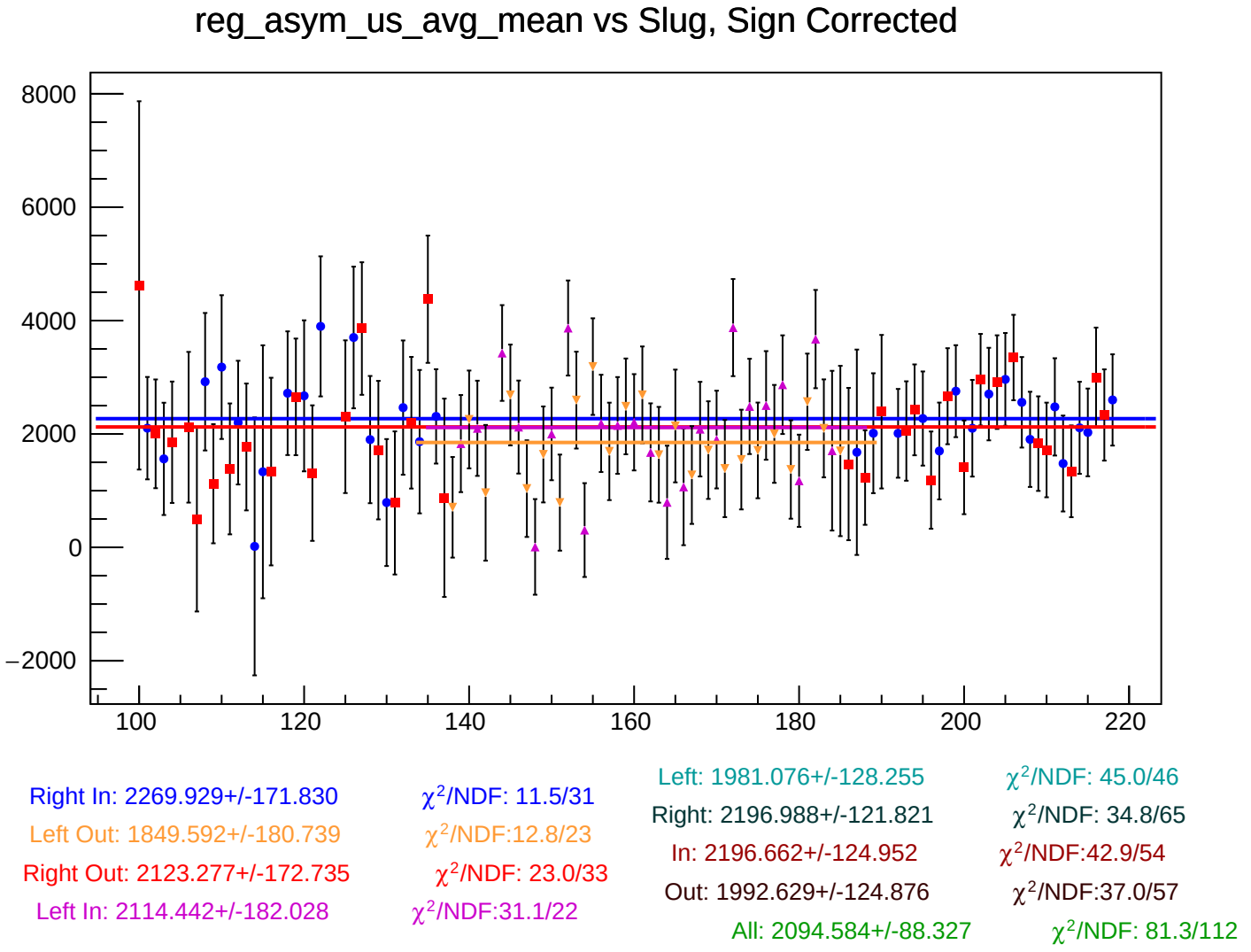
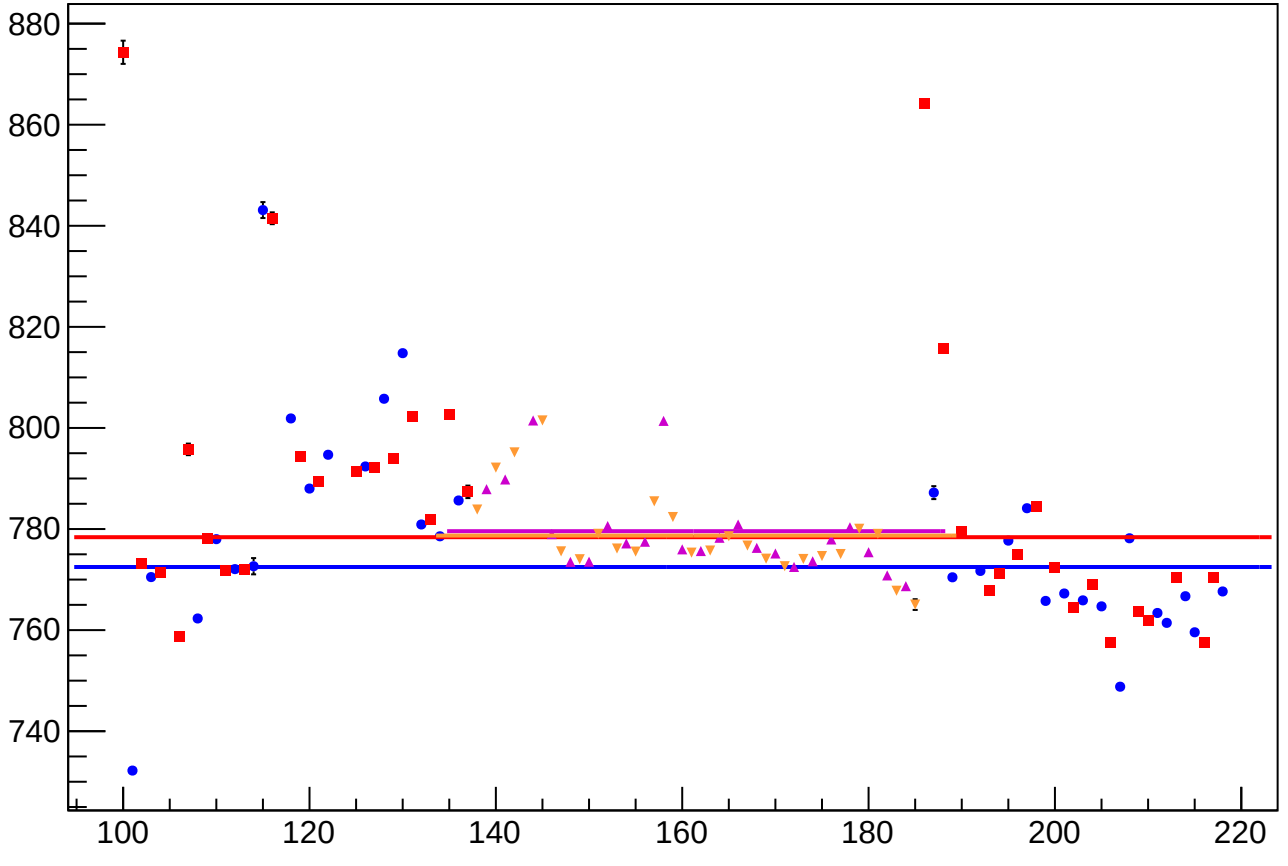

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 2269.929+/-171.830
χ²/NDF: 11.5/31
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 2123.277+/-172.735
χ²/NDF: 23.0/33
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2196.988+/-121.821
χ²/NDF: 34.8/65
In: 2196.662+/-124.952
χ²/NDF:42.9/54
Out: 1992.629+/-124.876
χ²/NDF:37.0/57
All: 2094.584+/-88.327
χ²/NDF: 81.3/112

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: 778.386+/-0.122 χ^2/NDF: 26922.3/33

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

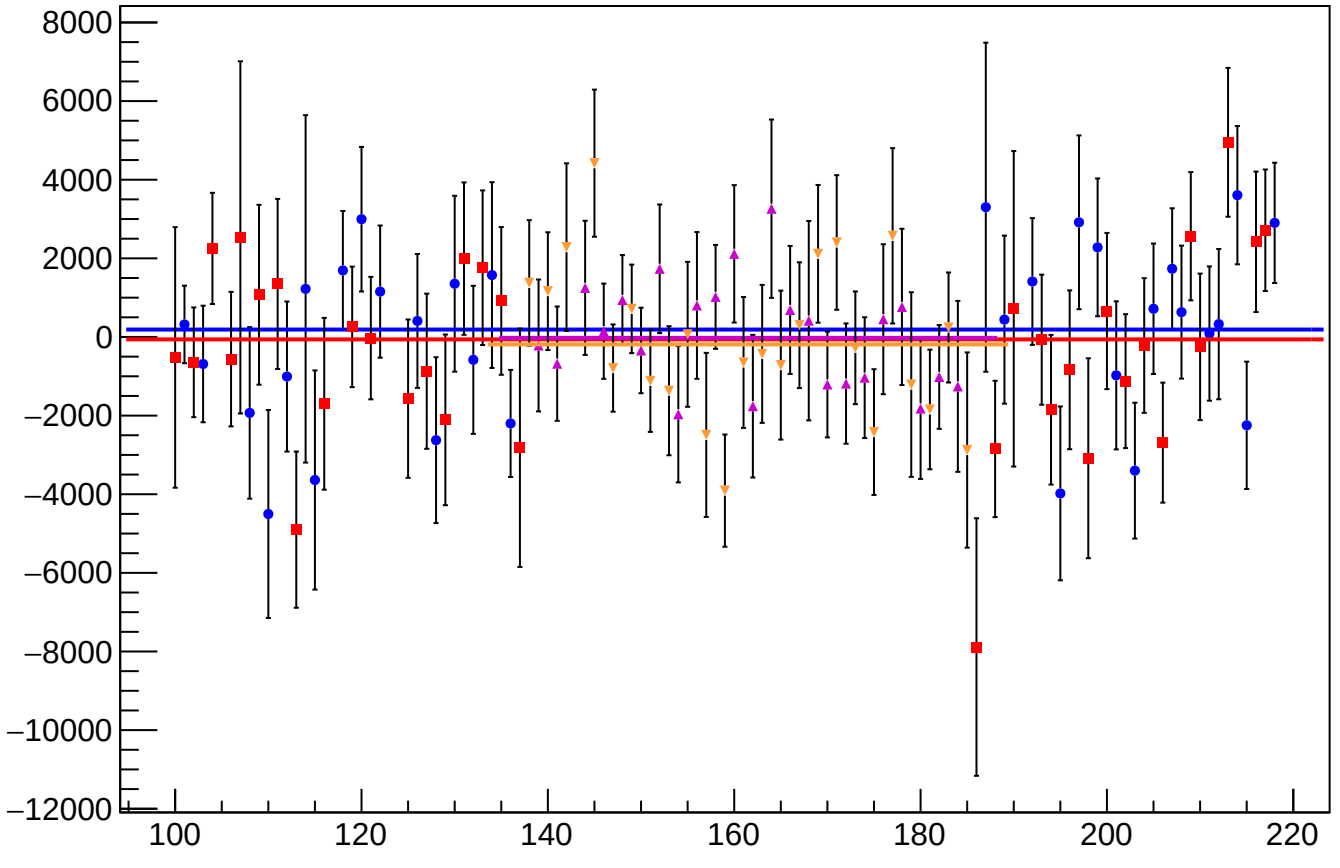
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 775.421+/-0.086 χ^2/NDF: 46669.5/65

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

Out: 778.540+/-0.088 χ^2/NDF:30315.4/57

All: 777.184+/-0.062 χ^2/NDF: 55138.3/112



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: -61.229+/-326.056 χ^2/NDF: 44.2/33

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

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

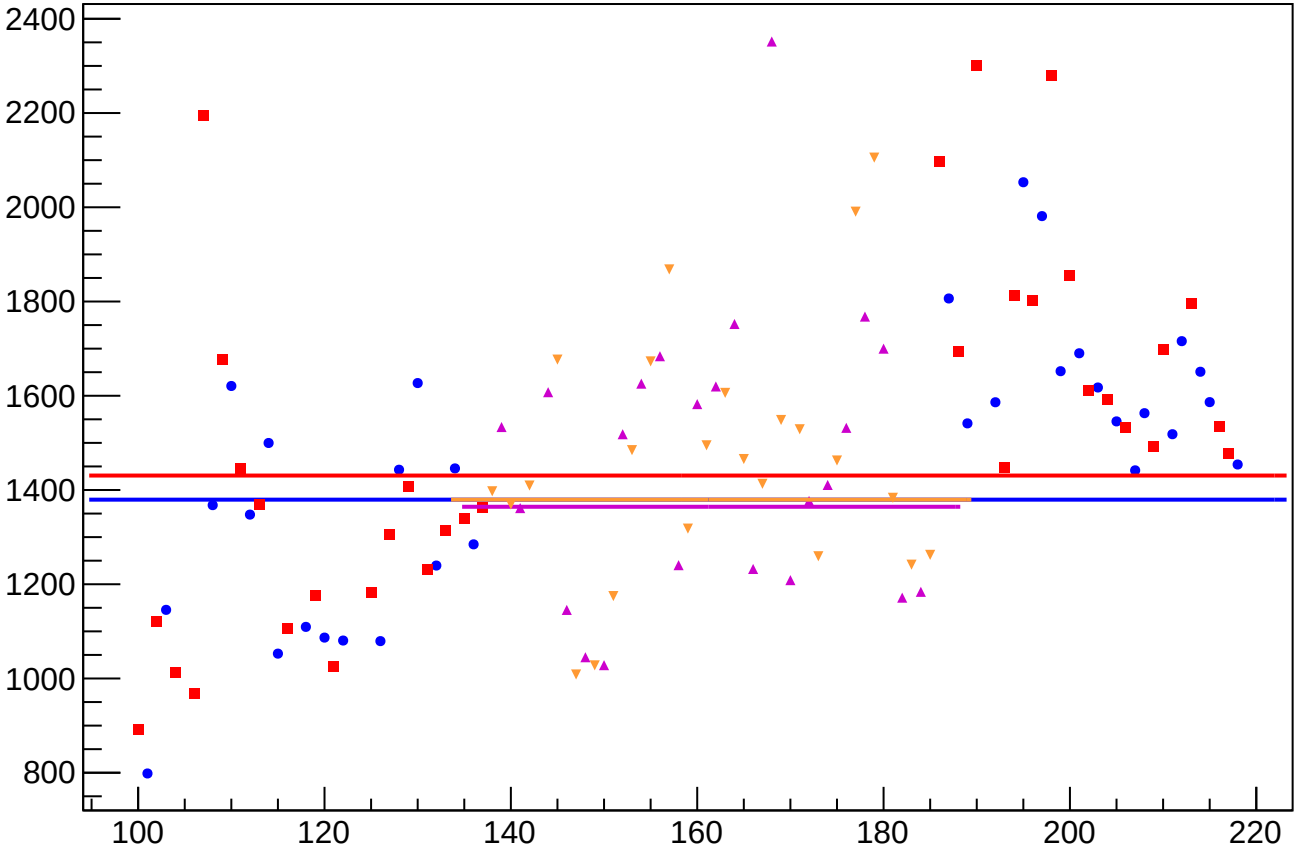
Right: 67.884+/-226.745 χ^2/NDF: 83.3/65

In: 85.929+/-226.662 χ^2/NDF:52.5/54

Out: -124.801+/-231.126 χ^2/NDF:73.9/57

All: -17.381+/-161.830 χ^2/NDF: 126.8/112

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: 1430.678+/-0.231 χ^2/NDF: 1725673.5/33

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

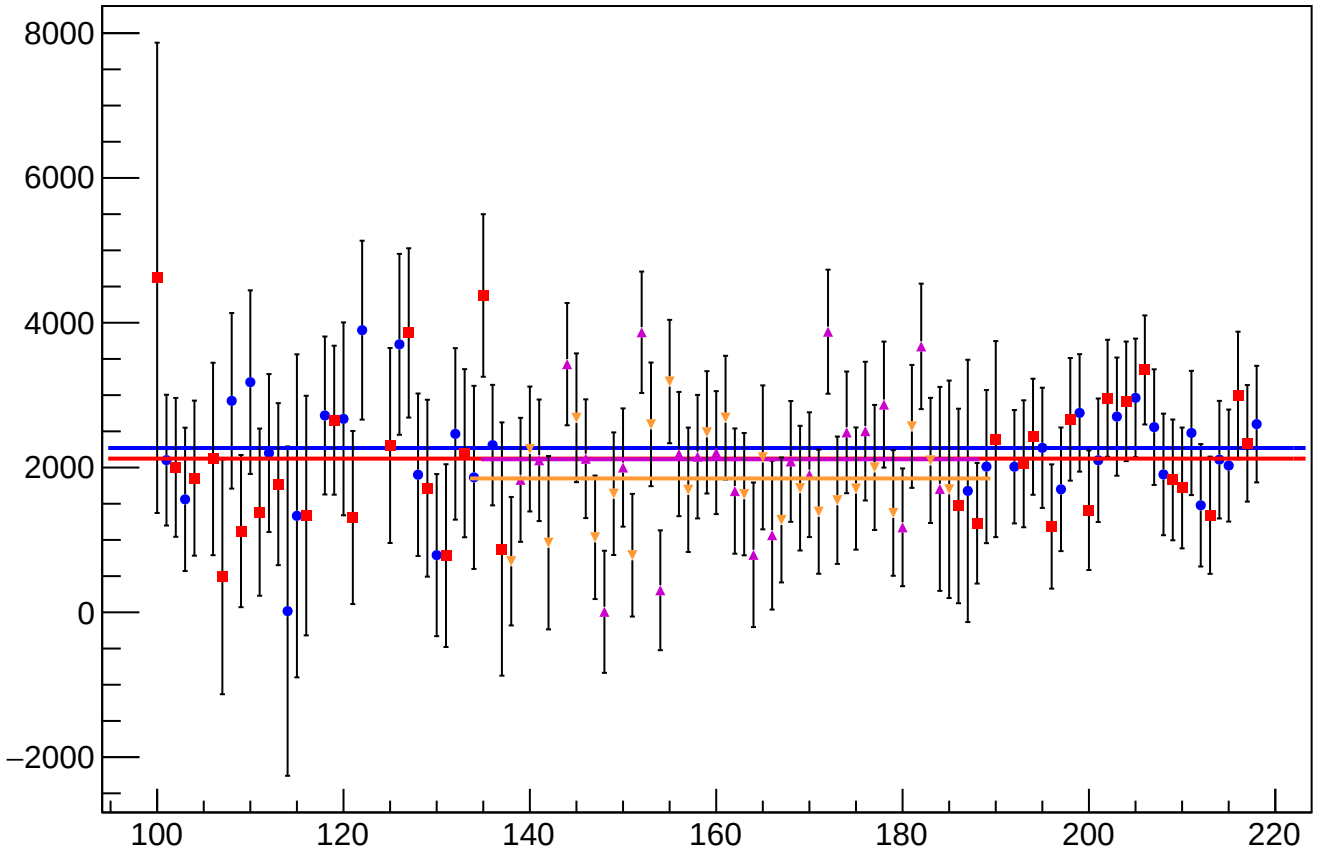
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1404.254+/-0.160 χ^2/NDF: 3577195.8/65

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

Out: 1405.234+/-0.163 χ^2/NDF:2908622.3/57

All: 1388.396+/-0.114 χ^2/NDF: 6070047.2/11



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: 2123.277+/-172.735 χ^2/NDF: 23.0/33

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

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

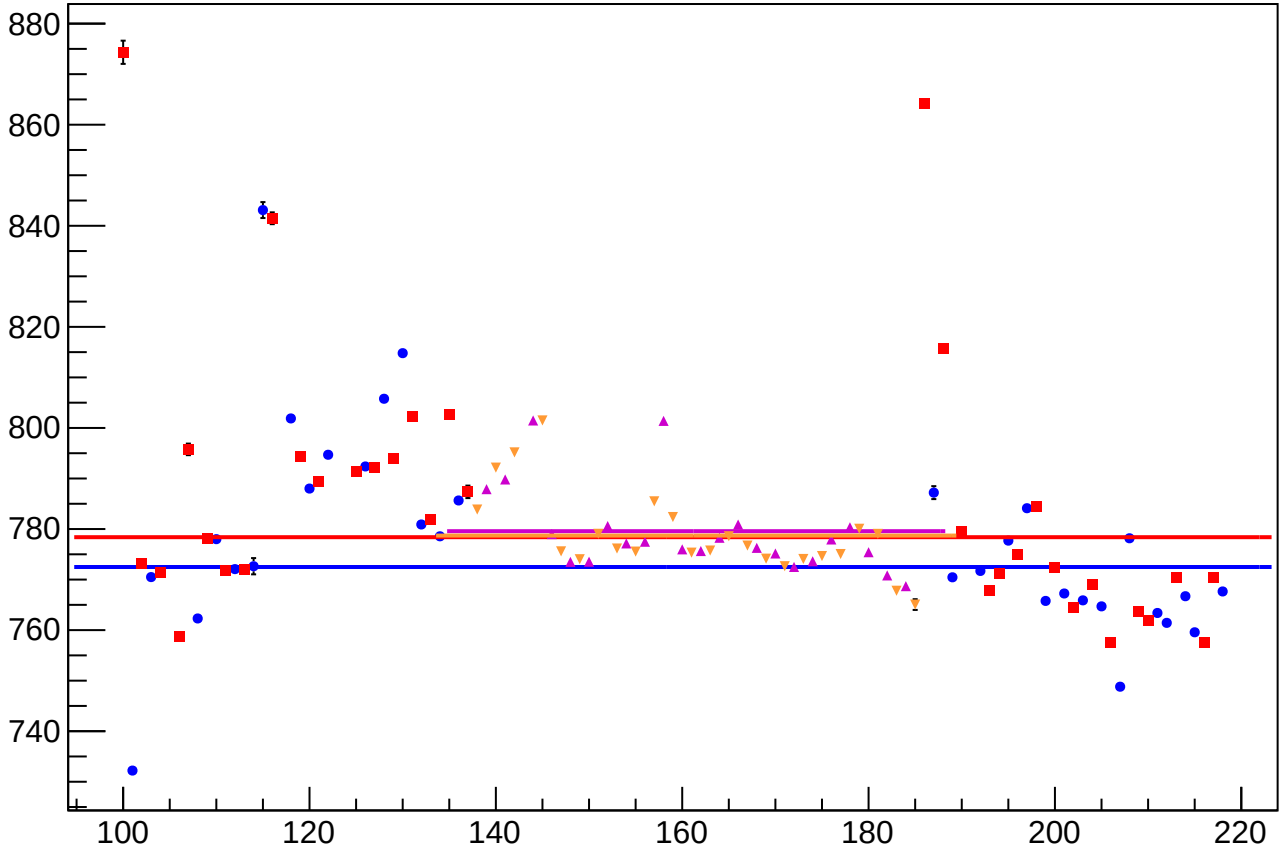
Right: 2196.988+/-121.821 χ^2/NDF: 34.8/65

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

Out: 1992.629+/-124.876 χ^2/NDF:37.0/57

All: 2094.584+/-88.327 χ^2/NDF: 81.3/112

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: 778.386+/-0.122 χ^2/NDF: 26922.3/33

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

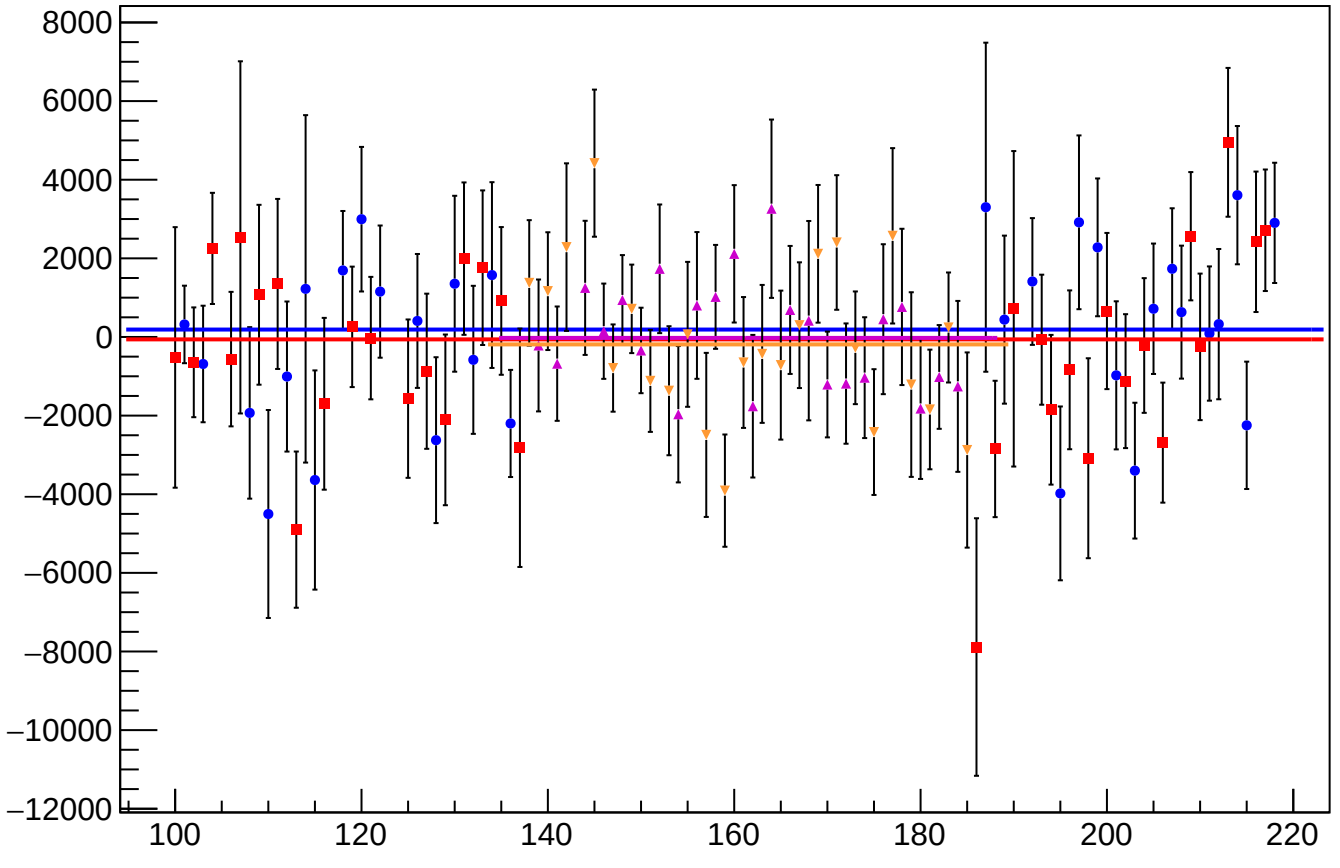
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 775.421+/-0.086 χ^2/NDF: 46669.5/65

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

Out: 778.540+/-0.088 χ^2/NDF:30315.4/57

All: 777.184+/-0.062 χ^2/NDF: 55138.3/112



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: -61.229+/-326.056 χ^2/NDF: 44.2/33

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

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

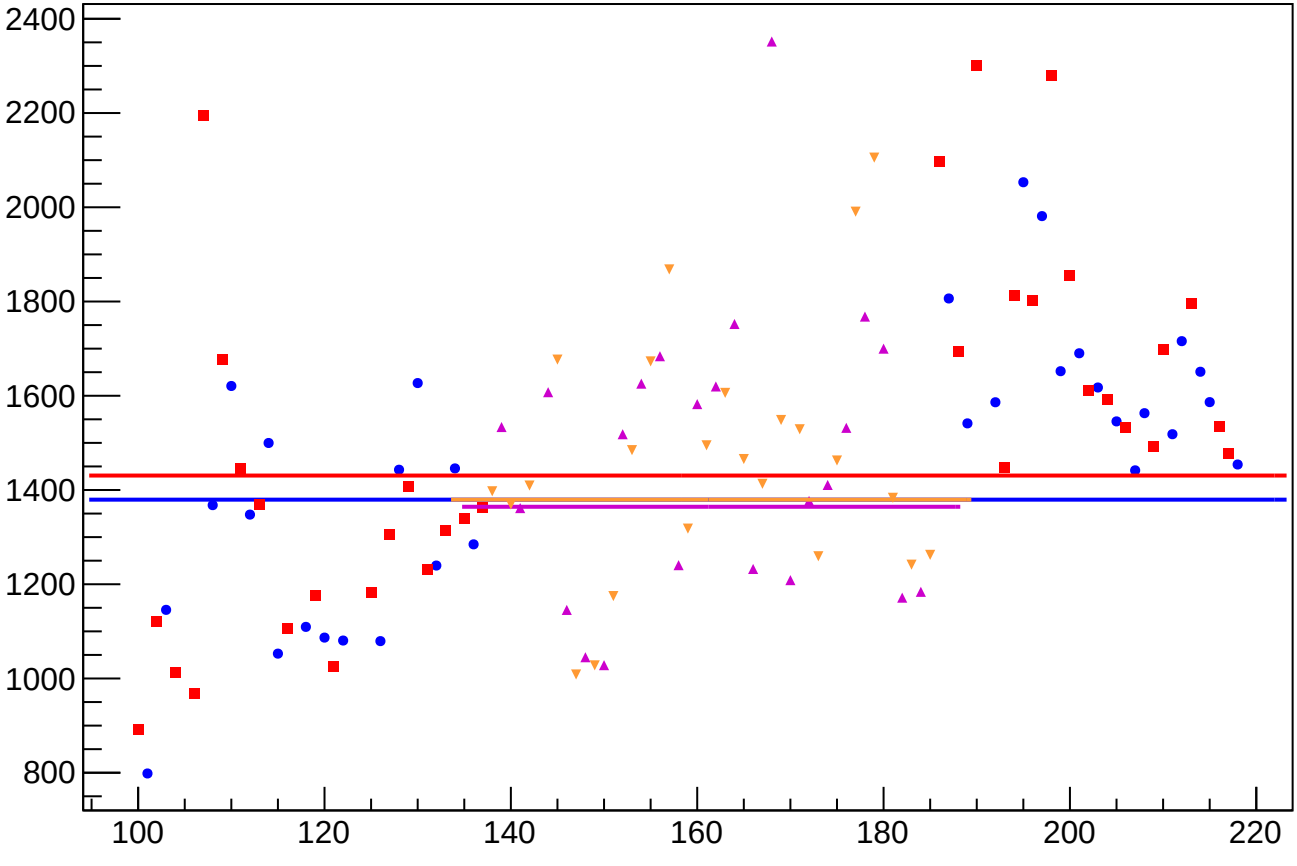
Right: 67.884+/-226.745 χ^2/NDF: 83.3/65

In: 85.929+/-226.662 χ^2/NDF:52.5/54

Out: -124.801+/-231.126 χ^2/NDF:73.9/57

All: -17.381+/-161.830 χ^2/NDF: 126.8/112

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: 1430.678+/-0.231 χ^2/NDF: 1725673.5/33

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

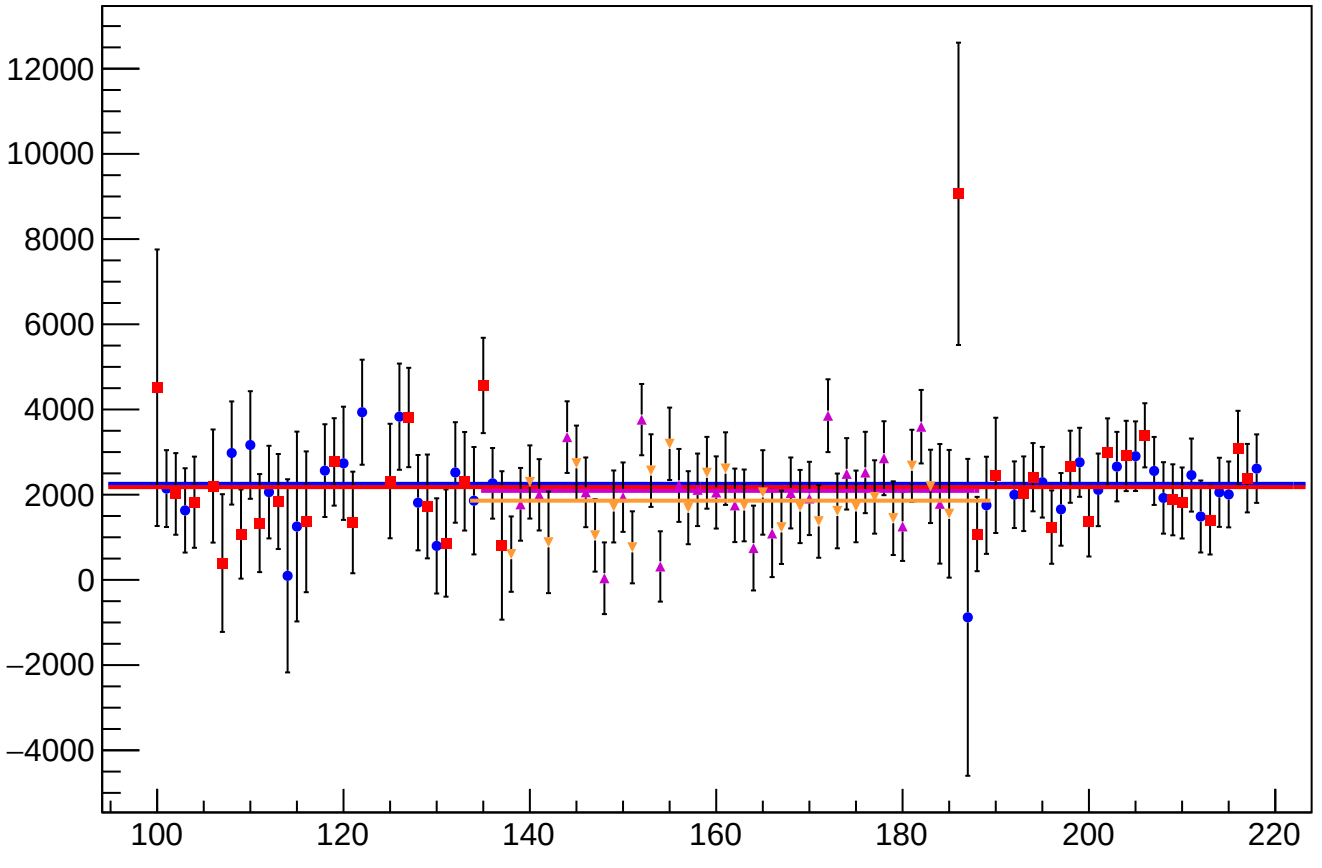
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1404.254+/-0.160 χ^2/NDF: 3577195.8/65

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

Out: 1405.234+/-0.163 χ^2/NDF:2908622.3/57

All: 1388.396+/-0.114 χ^2/NDF: 6070047.2/11



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: 2177.359+/-174.090 χ^2/NDF: 27.8/33

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

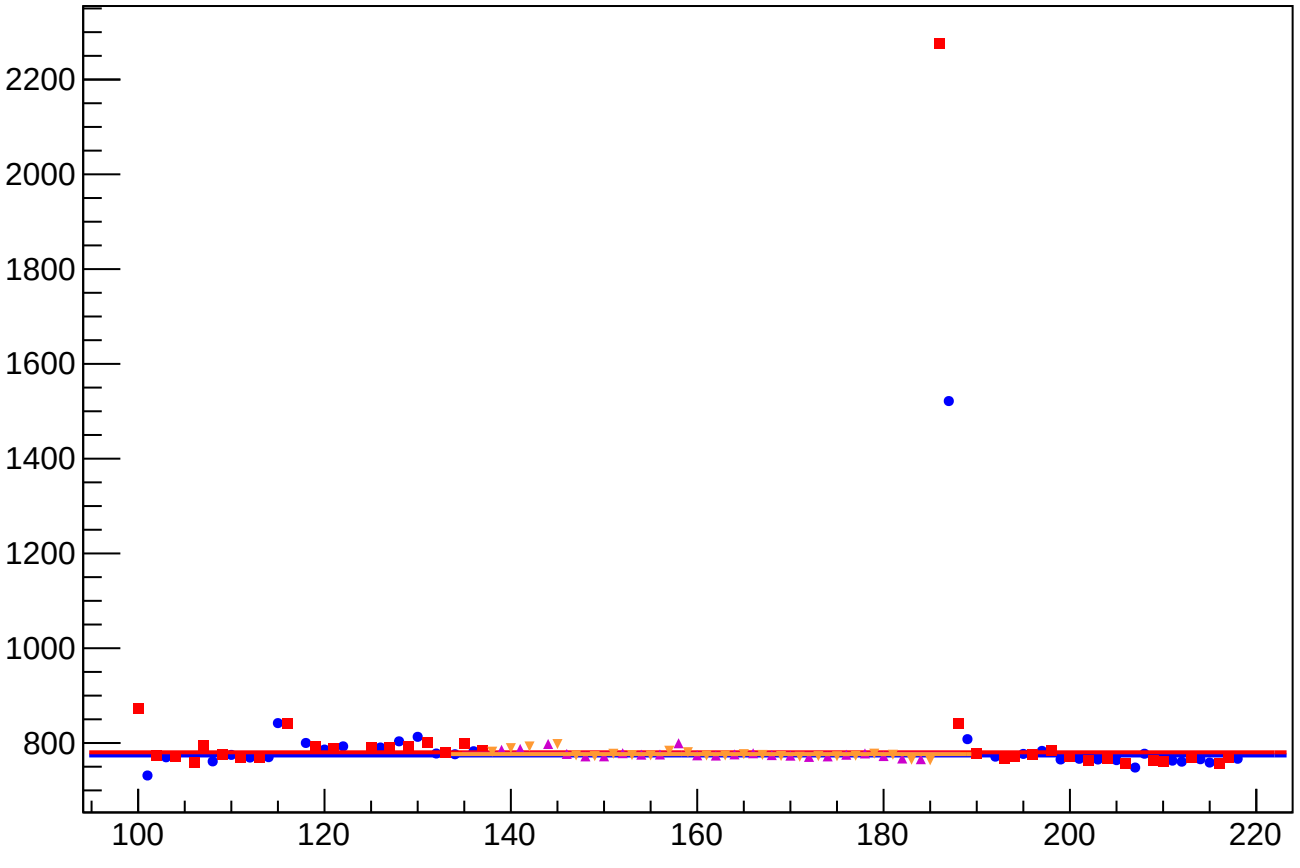
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2216.282+/-122.531 χ^2/NDF: 40.4/65

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

Out: 2023.950+/-125.215 χ^2/NDF:42.9/57

All: 2100.181+/-88.478 χ^2/NDF: 86.2/112



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: 780.380+/-0.123 χ^2/NDF: 381008.1/33

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

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

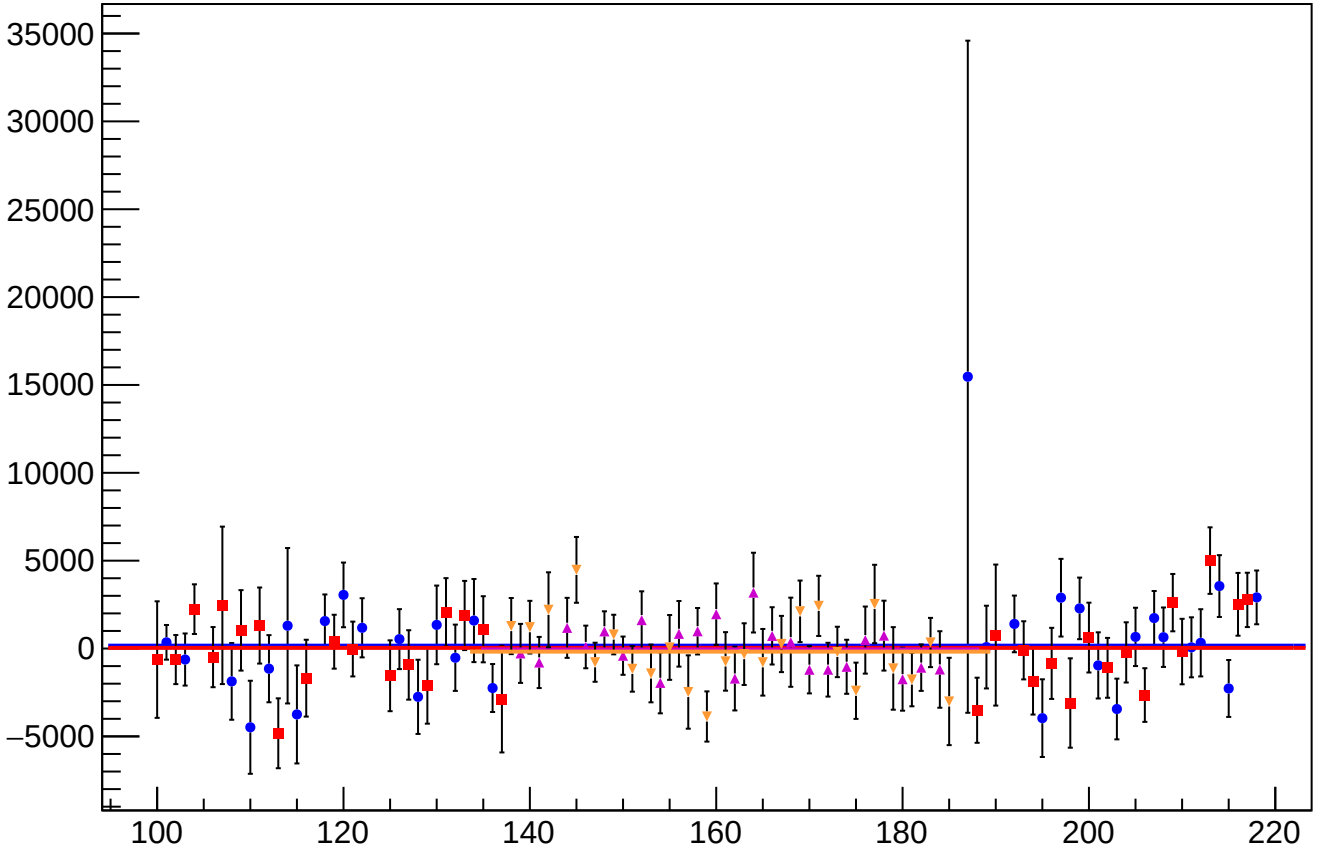
Right: 777.012+/-0.087 χ^2/NDF: 483213.0/65

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

Out: 778.518+/-0.089 χ^2/NDF:384619.1/57

All: 776.989+/-0.063 χ^2/NDF: 490436.6/112

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: 38.075+/-328.601 χ^2/NDF: 39.8/32

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

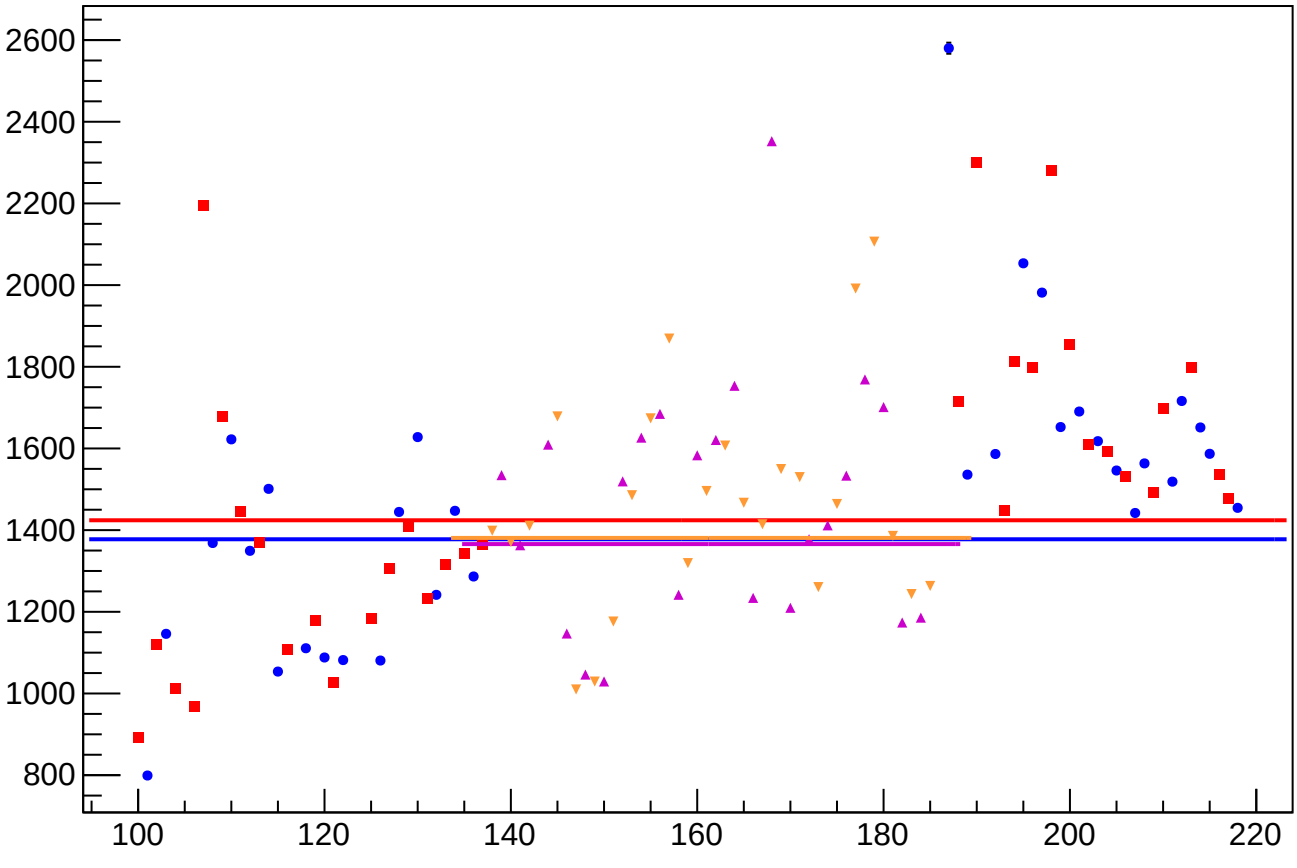
Left: -113.528+/-231.262 χ^2/NDF: 42.7/46

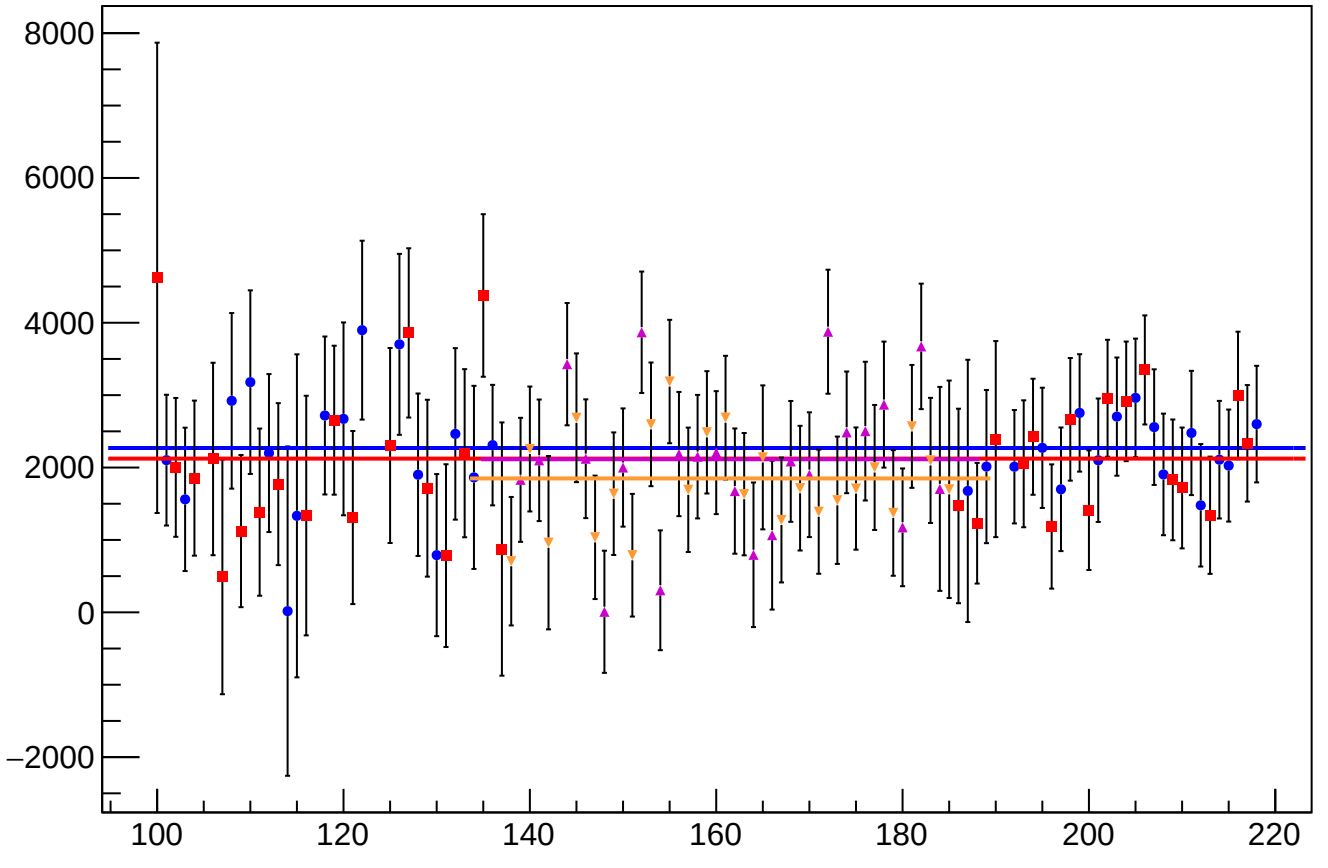
Right: 102.609+/-228.219 χ^2/NDF: 79.0/64

In: 57.950+/-227.384 χ^2/NDF:52.3/54

Out: -68.626+/-232.140 χ^2/NDF:69.6/56

All: -4.028+/-162.440 χ^2/NDF: 122.1/111


asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
220
Right In: 1377.623+/-0.224 χ²/NDF: 1805210.4/31
Left Out: 1380.952+/-0.232 χ²/NDF:1155437.6/23
Right Out: 1424.135+/-0.232 χ²/NDF: 1636145.4/32
Left In: 1365.811+/-0.231 χ²/NDF:1308862.5/22
Left: 1373.338+/-0.164 χ²/NDF: 2466443.3/46
Right: 1400.058+/-0.161 χ²/NDF: 3462097.6/64
In: 1371.881+/-0.161 χ²/NDF:3115421.1/54
Out: 1402.503+/-0.164 χ²/NDF:2808884.5/56
All: 1386.875+/-0.115 χ²/NDF: 5942066.9/11



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: 2123.277+/-172.735 χ^2/NDF: 23.0/33

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

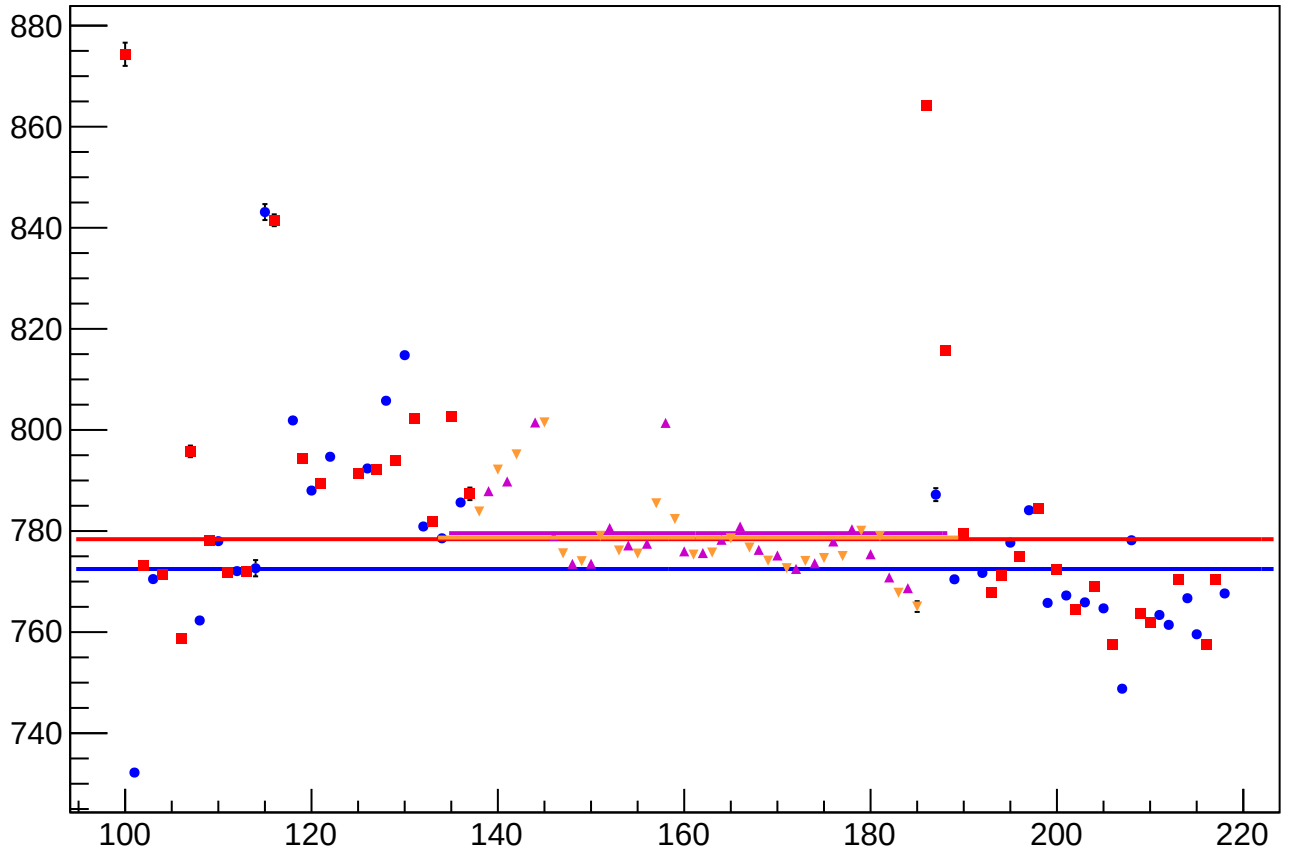
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2196.988+/-121.821 χ^2/NDF: 34.8/65

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

Out: 1992.629+/-124.876 χ^2/NDF:37.0/57

All: 2094.584+/-88.327 χ^2/NDF: 81.3/112



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: 778.386+/-0.122 χ^2/NDF: 26922.3/33

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

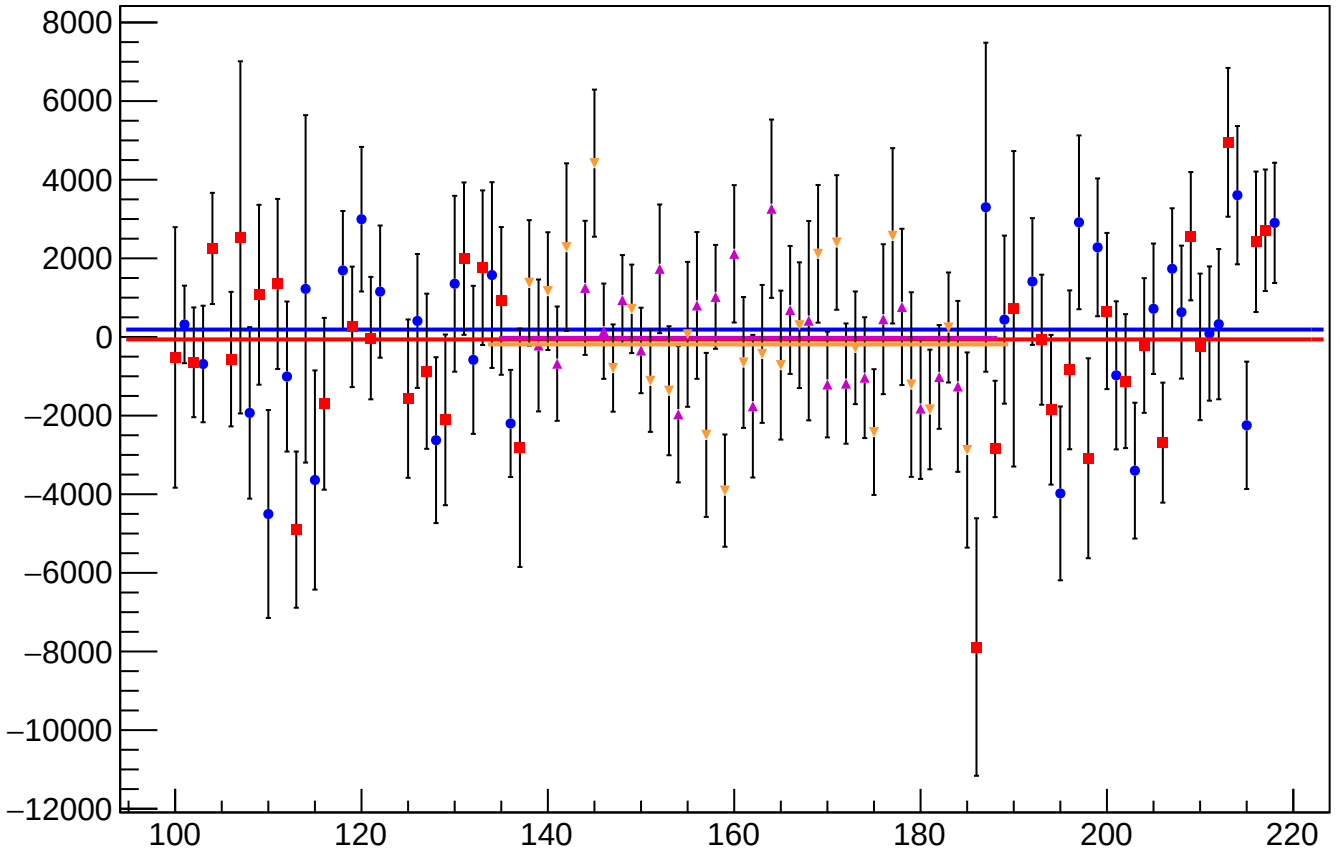
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 775.421+/-0.086 χ^2/NDF: 46669.5/65

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

Out: 778.540+/-0.088 χ^2/NDF:30315.4/57

All: 777.184+/-0.062 χ^2/NDF: 55138.3/112



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: -61.229+/-326.056 χ^2/NDF: 44.2/33

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

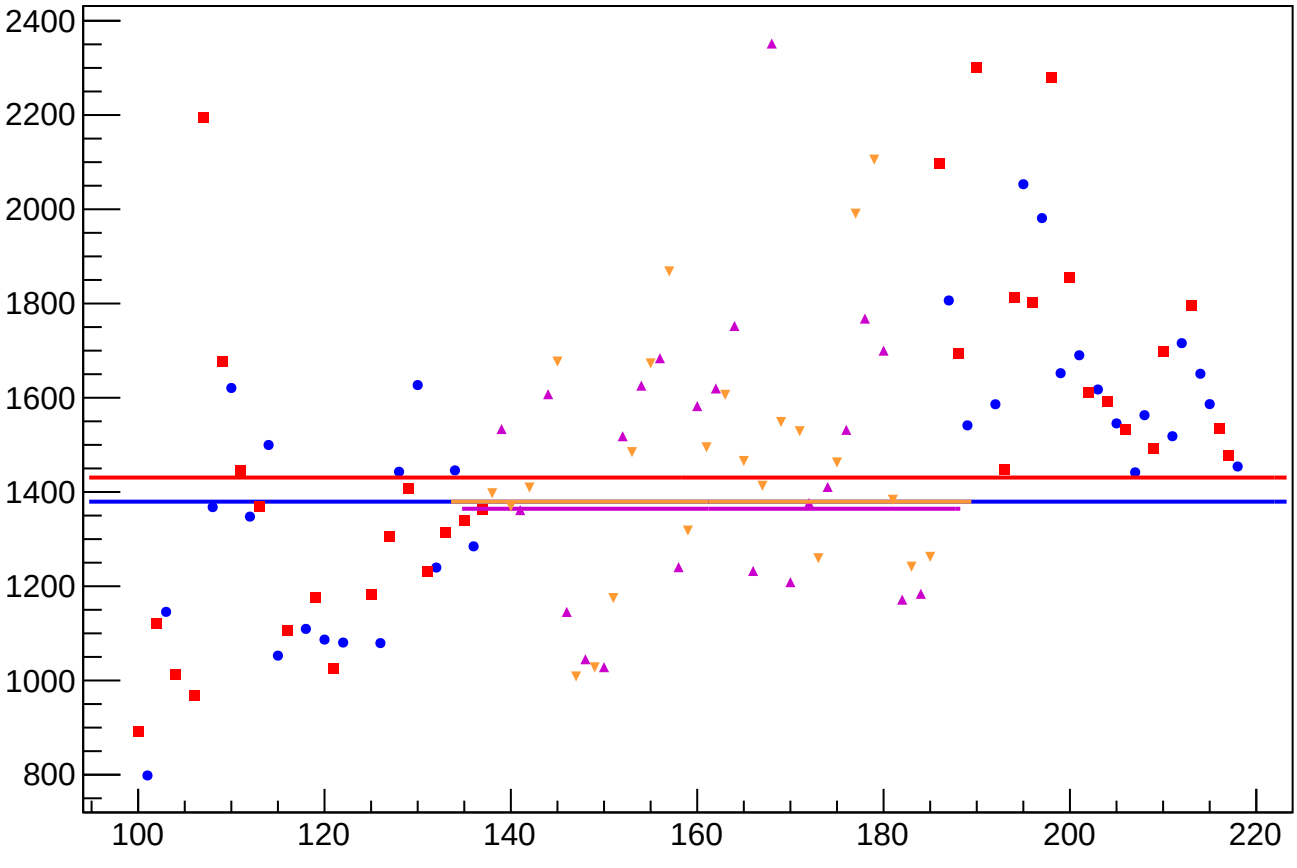
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: 67.884+/-226.745 χ^2/NDF: 83.3/65

In: 85.929+/-226.662 χ^2/NDF:52.5/54

Out: -124.801+/-231.126 χ^2/NDF:73.9/57

All: -17.381+/-161.830 χ^2/NDF: 126.8/112



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: 1430.678+/-0.231 χ^2/NDF: 1725673.5/33

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

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

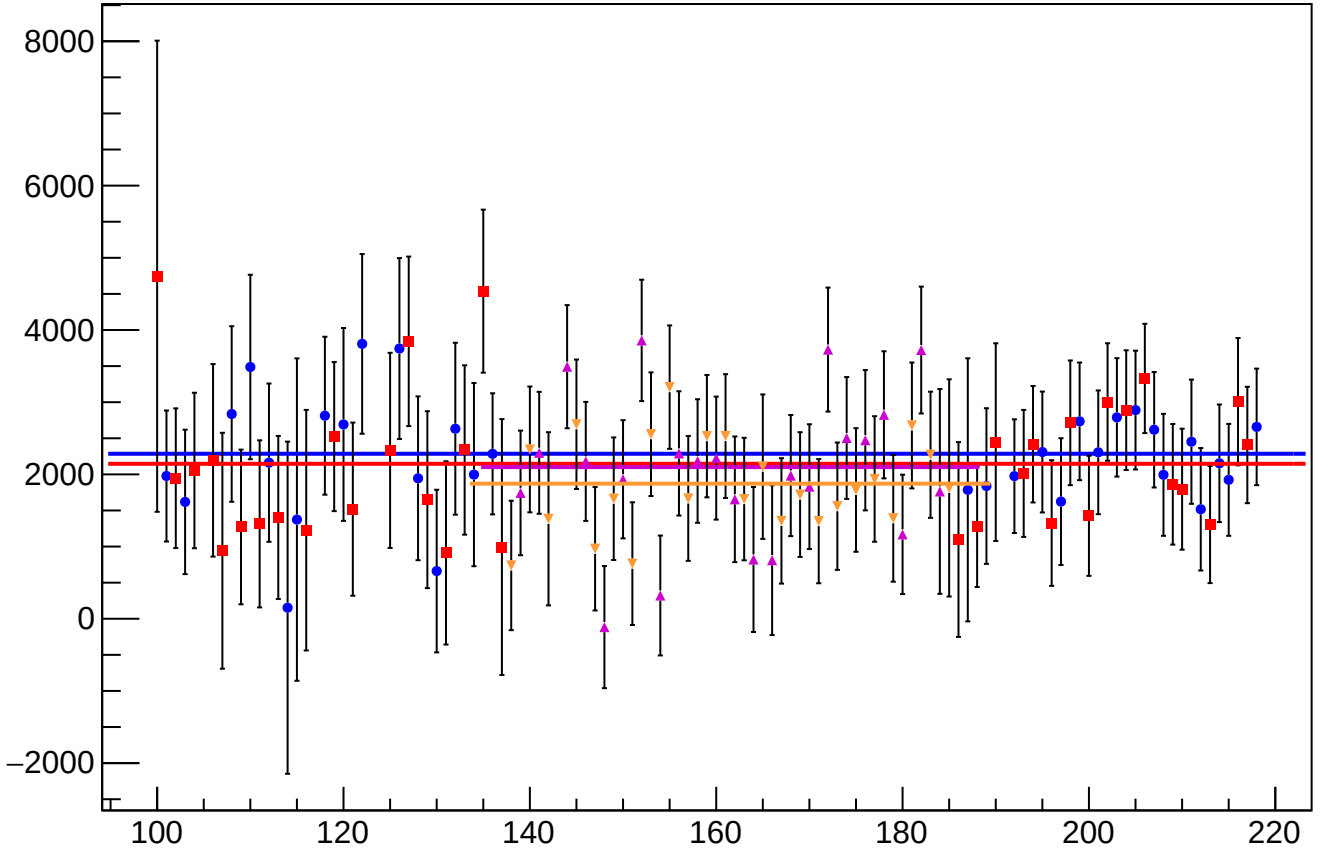
Right: 1404.254+/-0.160 χ^2/NDF: 3577195.8/65

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

Out: 1405.234+/-0.163 χ^2/NDF:2908622.3/57

All: 1388.396+/-0.114 χ^2/NDF: 6070047.2/11

dit_asym_us_avg_mean vs Slug, Sign Corrected



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: 2146.804+/-173.803 χ^2/NDF: 22.4/33

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

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

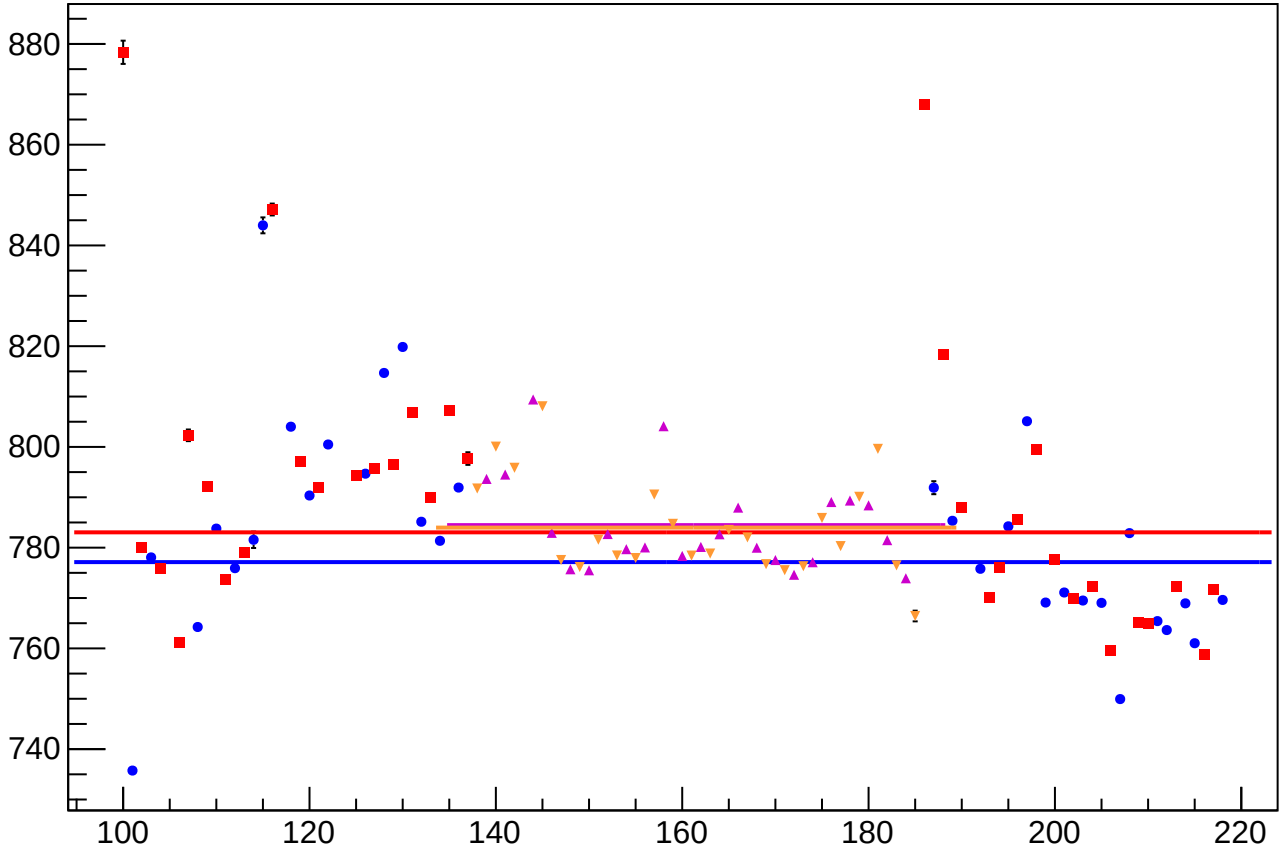
Right: 2216.605+/-122.572 χ^2/NDF: 34.7/65

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

Out: 2015.452+/-125.688 χ^2/NDF:36.1/57

All: 2107.040+/-88.890 χ^2/NDF: 81.4/112

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: 783.041+/-0.123 χ^2/NDF: 28642.3/33

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

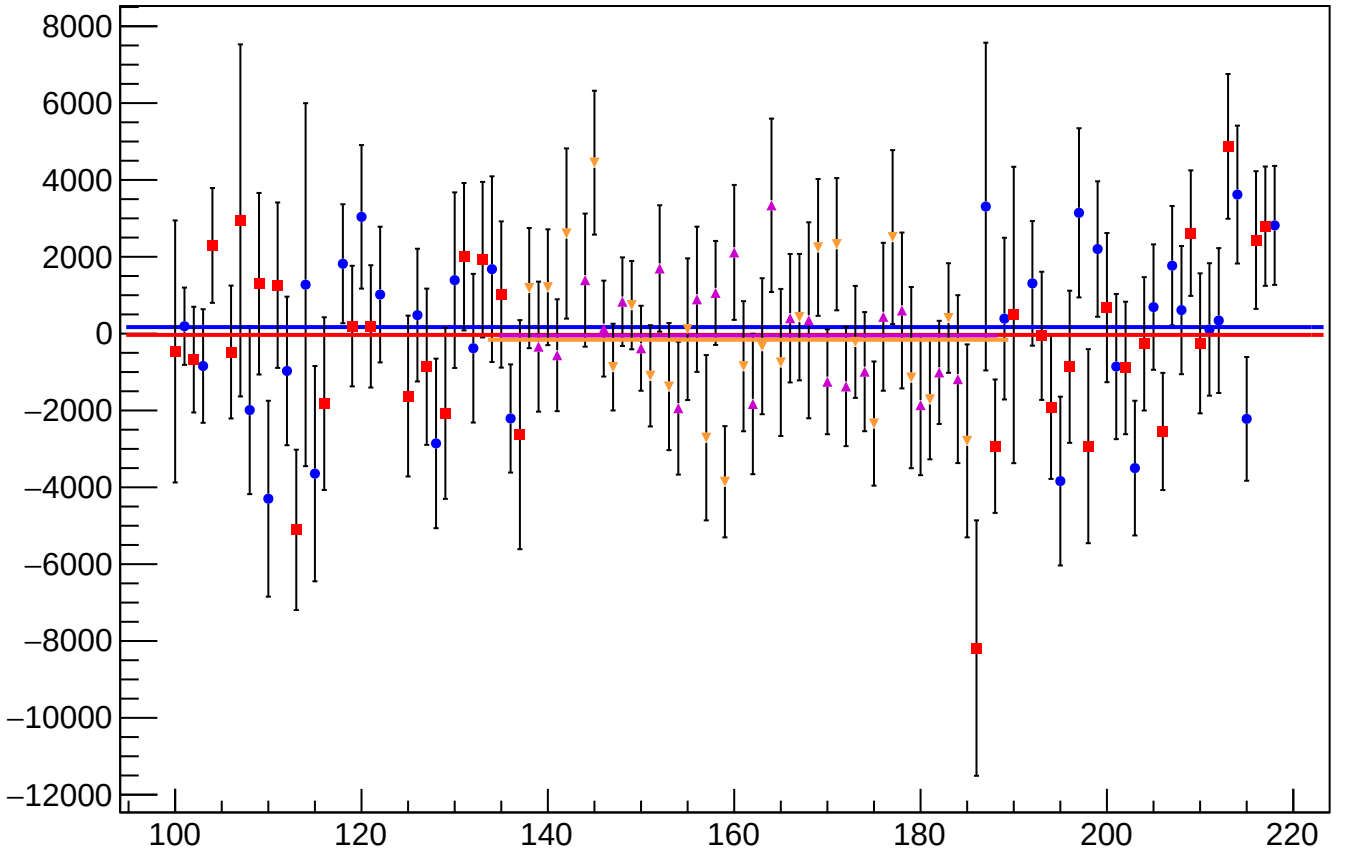
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 780.071+/-0.087 χ^2/NDF: 51954.9/65

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

Out: 783.490+/-0.089 χ^2/NDF:33598.3/57

All: 782.041+/-0.063 χ^2/NDF: 62907.1/112



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: -32.891+/-328.940 χ^2/NDF: 44.2/33

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

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

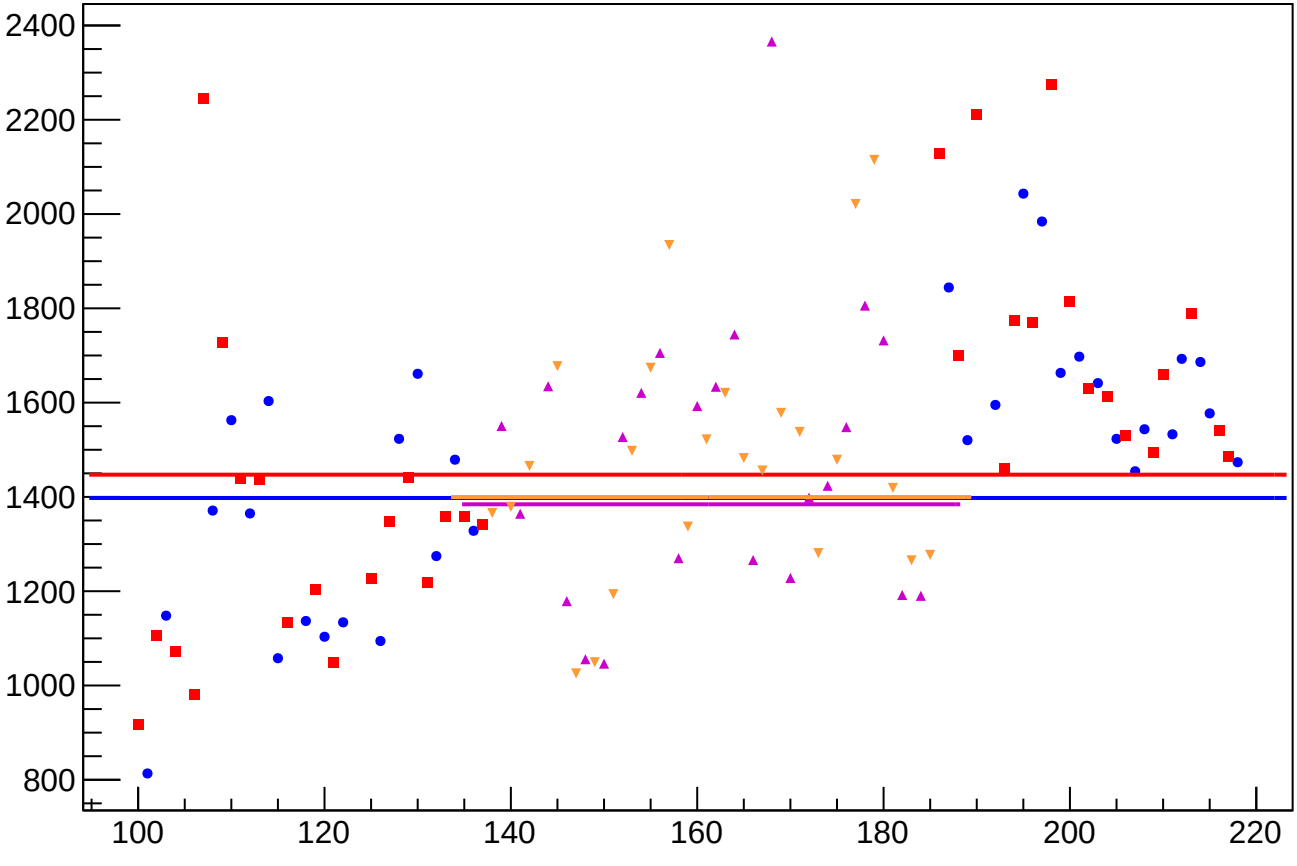
Right: 71.668+/-228.973 χ^2/NDF: 82.7/65

In: 62.846+/-229.399 χ^2/NDF:51.9/54

Out: -95.461+/-233.736 χ^2/NDF:73.4/57

All: -14.825+/-163.721 χ^2/NDF: 125.6/112

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: 1447.185+/-0.233 χ^2/NDF: 1564443.9/33

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

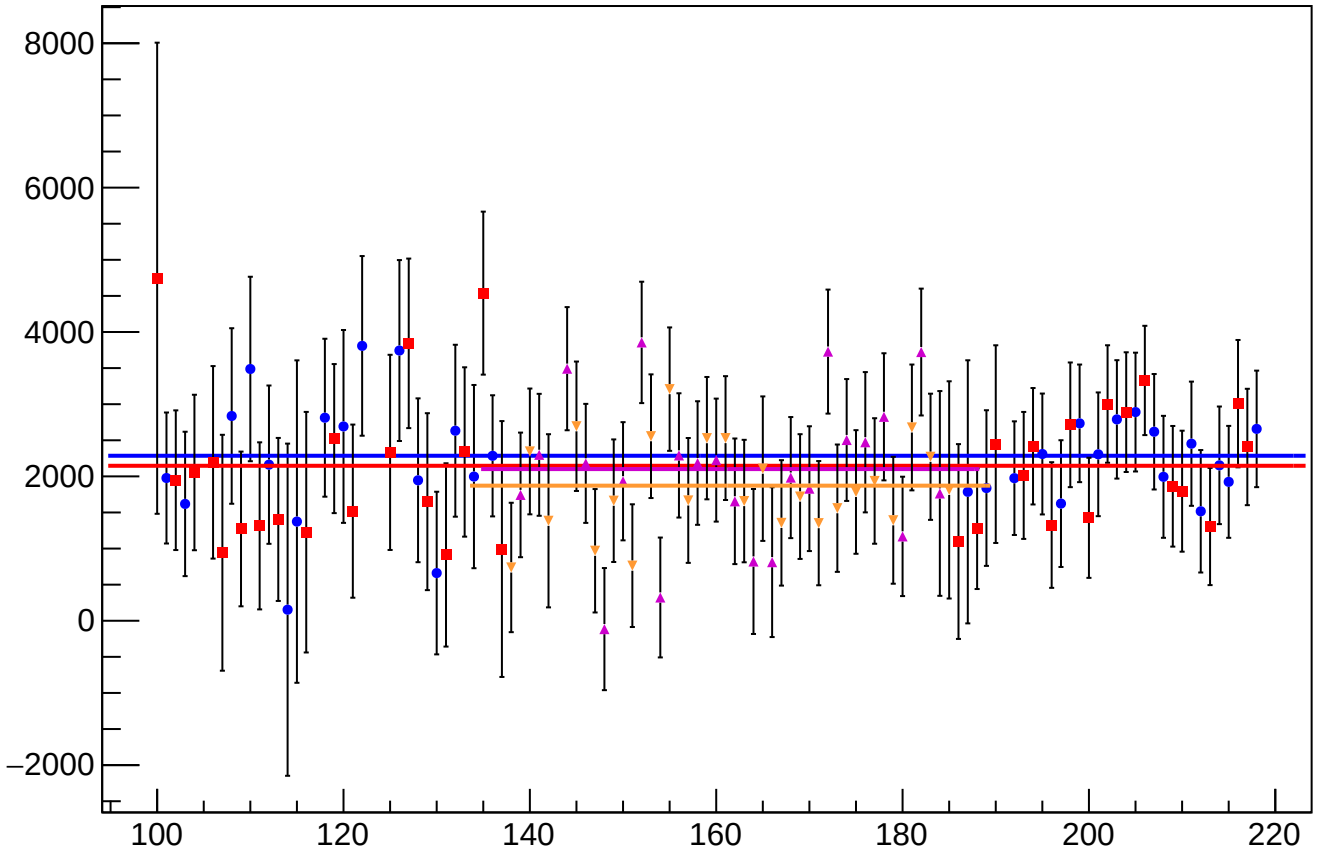
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1421.706+/-0.162 χ^2/NDF: 3303460.3/65

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

Out: 1423.684+/-0.165 χ^2/NDF:2721413.4/57

All: 1407.177+/-0.116 χ^2/NDF: 5728380.3/11



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: 2146.804+/-173.803 χ^2/NDF: 22.4/33

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

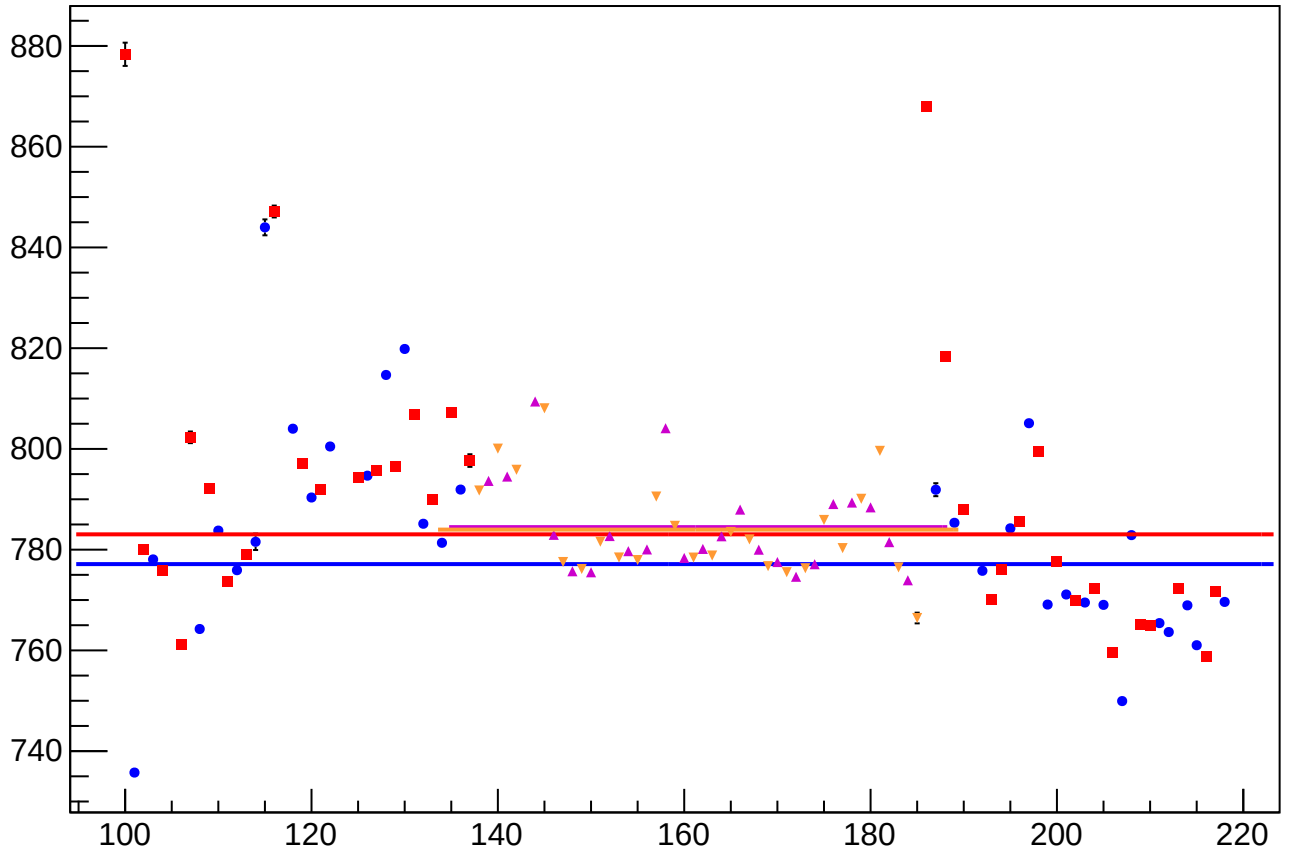
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2216.605+/-122.572 χ^2/NDF: 34.7/65

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

Out: 2015.451+/-125.688 χ^2/NDF:36.1/57

All: 2107.040+/-88.890 χ^2/NDF: 81.4/112



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: 783.041+/-0.123 χ^2/NDF: 28642.2/33

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

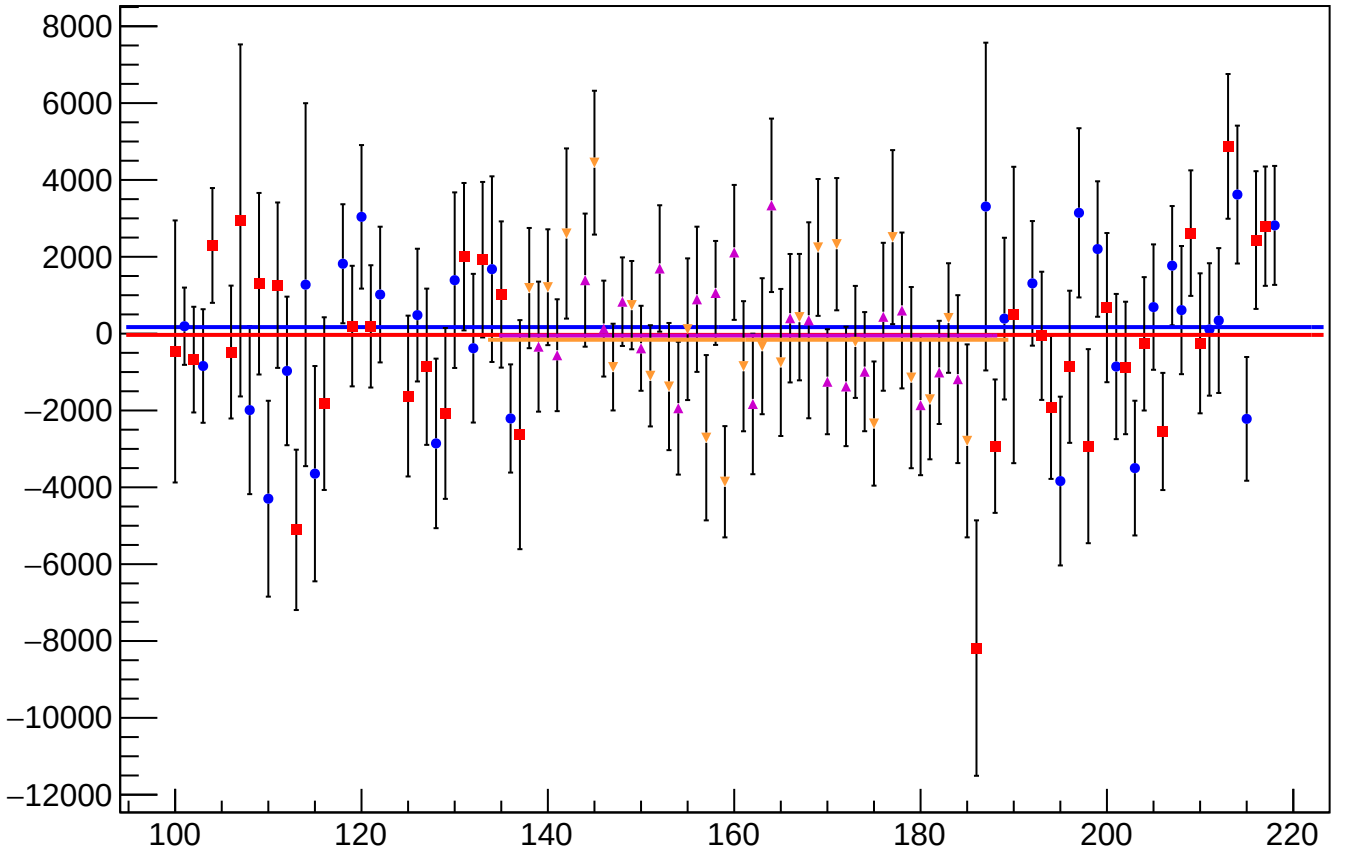
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 780.071+/-0.087 χ^2/NDF: 51954.7/65

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

Out: 783.490+/-0.089 χ^2/NDF:33598.2/57

All: 782.041+/-0.063 χ^2/NDF: 62906.9/112



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: -32.889+/-328.939 χ^2/NDF: 44.2/33

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

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

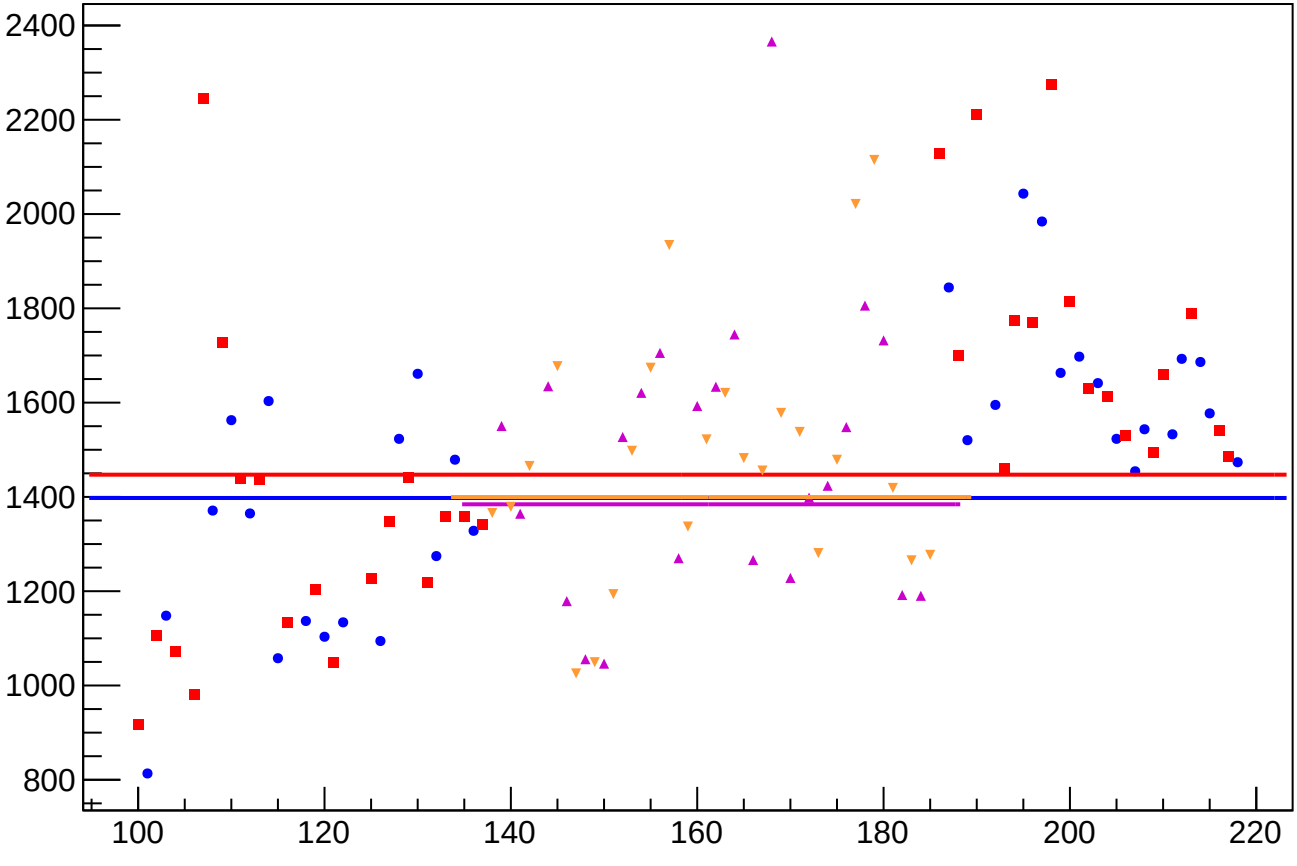
Right: 71.668+/-228.973 χ^2/NDF: 82.7/65

In: 62.846+/-229.399 χ^2/NDF:51.9/54

Out: -95.462+/-233.736 χ^2/NDF:73.4/57

All: -14.825+/-163.721 χ^2/NDF: 125.6/112

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 1447.183+/-0.233 χ^2/NDF: 1564465.7/33

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

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

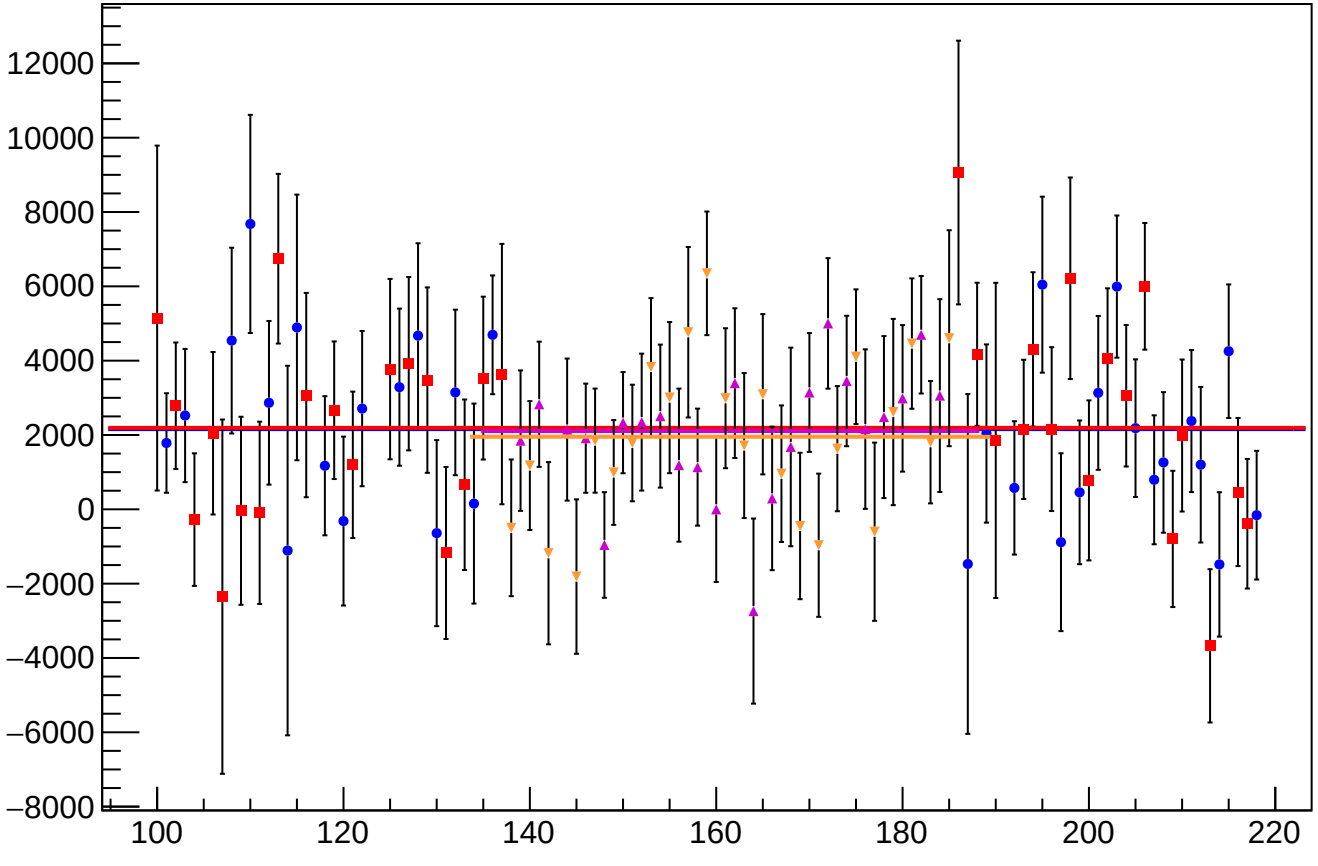
Right: 1421.705+/-0.162 χ^2/NDF: 3303504.2/65

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

Out: 1423.685+/-0.165 χ^2/NDF:2721432.6/57

All: 1407.178+/-0.116 χ^2/NDF: 5728421.4/11

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: 2191.787+/-376.100 χ^2/NDF: 42.1/33

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

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

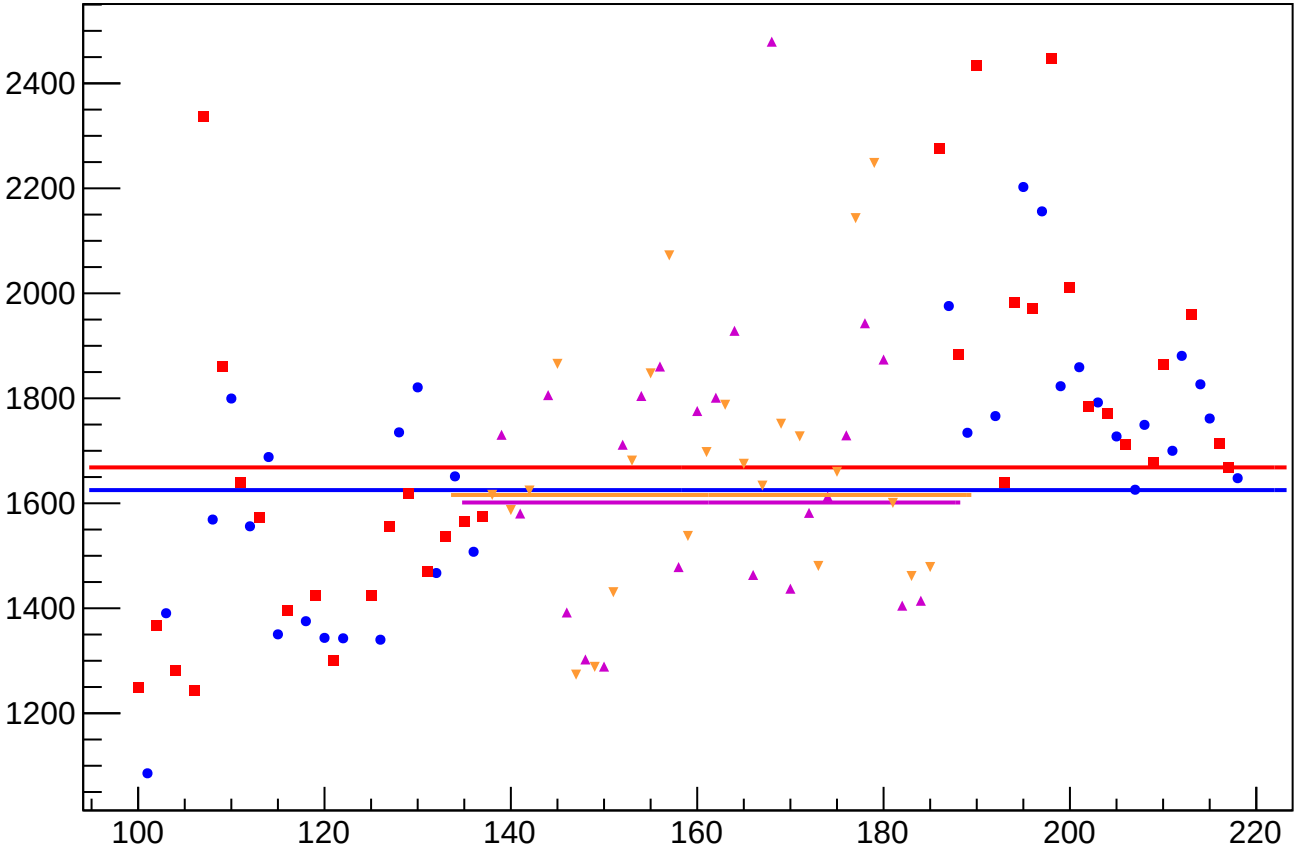
Right: 2174.659+/-262.638 χ^2/NDF: 73.6/65

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

Out: 2073.416+/-267.405 χ^2/NDF:69.7/57

All: 2103.502+/-187.737 χ^2/NDF: 119.8/112

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: 1668.388+/-0.266 χ^2/NDF: 1000861.9/33

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

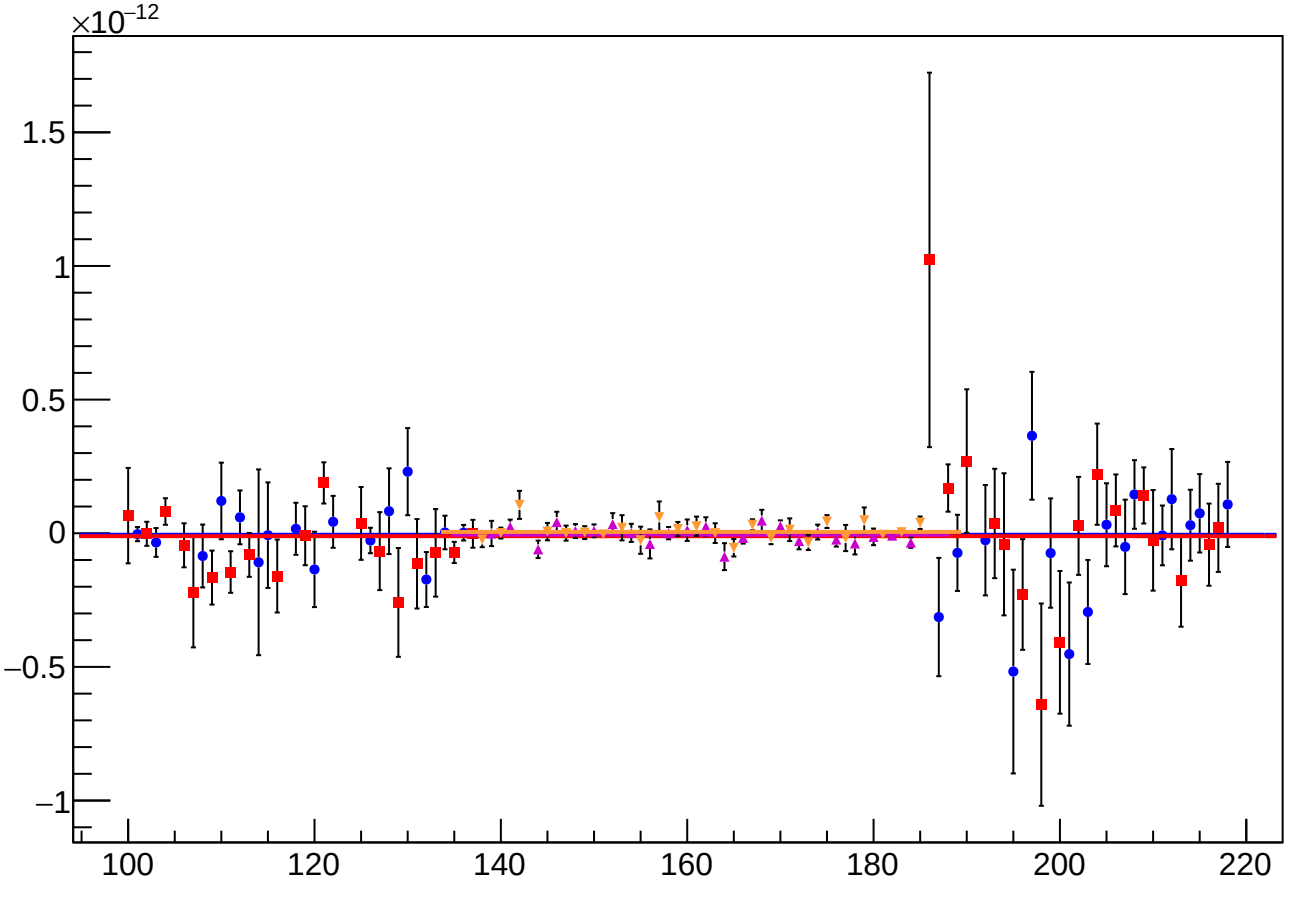
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1646.232+/-0.186 χ^2/NDF: 1960295.9/65

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

Out: 1642.410+/-0.189 χ^2/NDF:1714511.5/57

All: 1627.854+/-0.133 χ^2/NDF: 3469826.8/11



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: 42.2/33

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

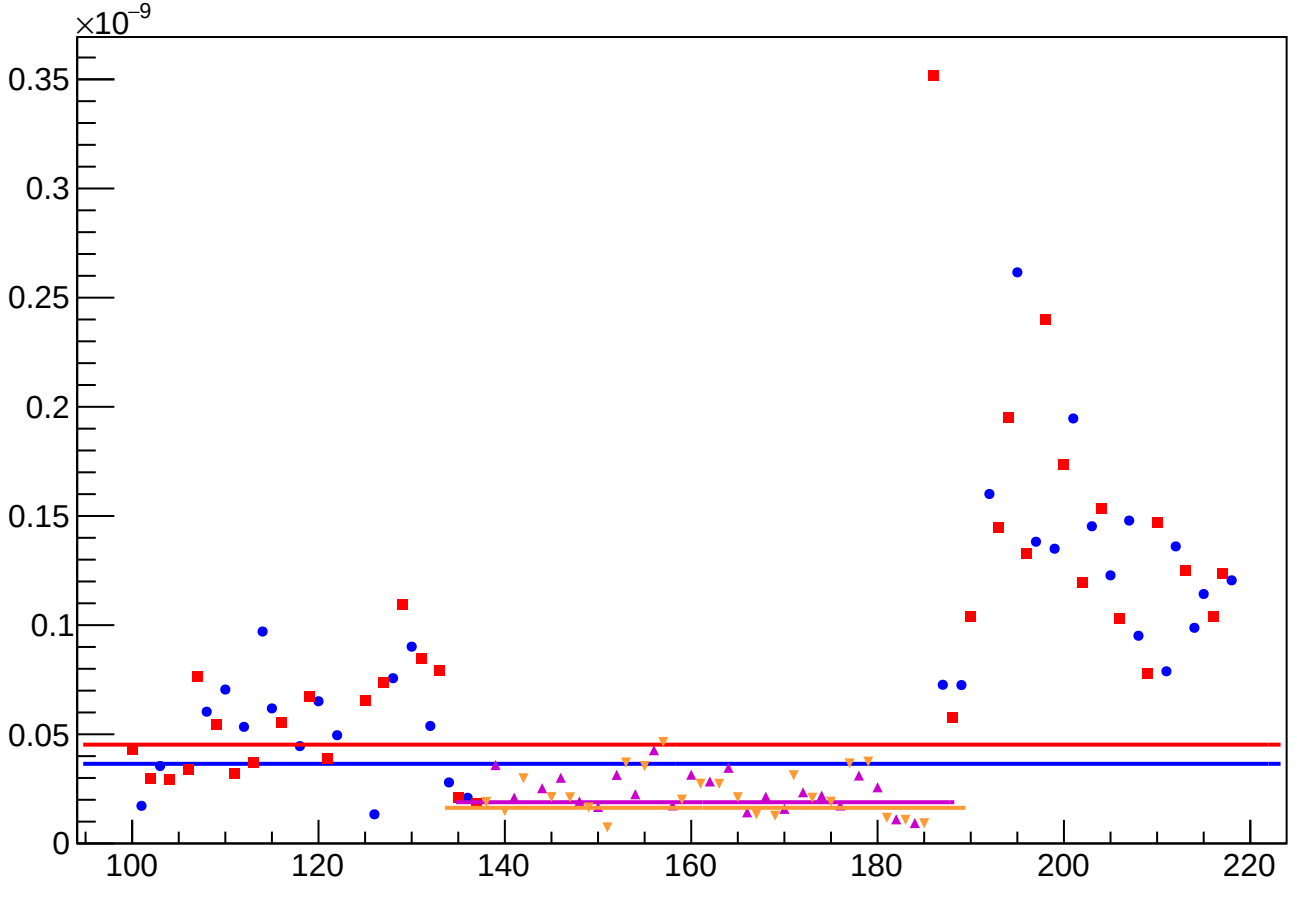
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 65.2/65

In: -0.000+/-0.000 χ^2/NDF:42.3/54

Out: 0.000+/-0.000 χ^2/NDF:64.1/57

All: -0.000+/-0.000 χ^2/NDF: 107.7/112



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: 8794422.7/33

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

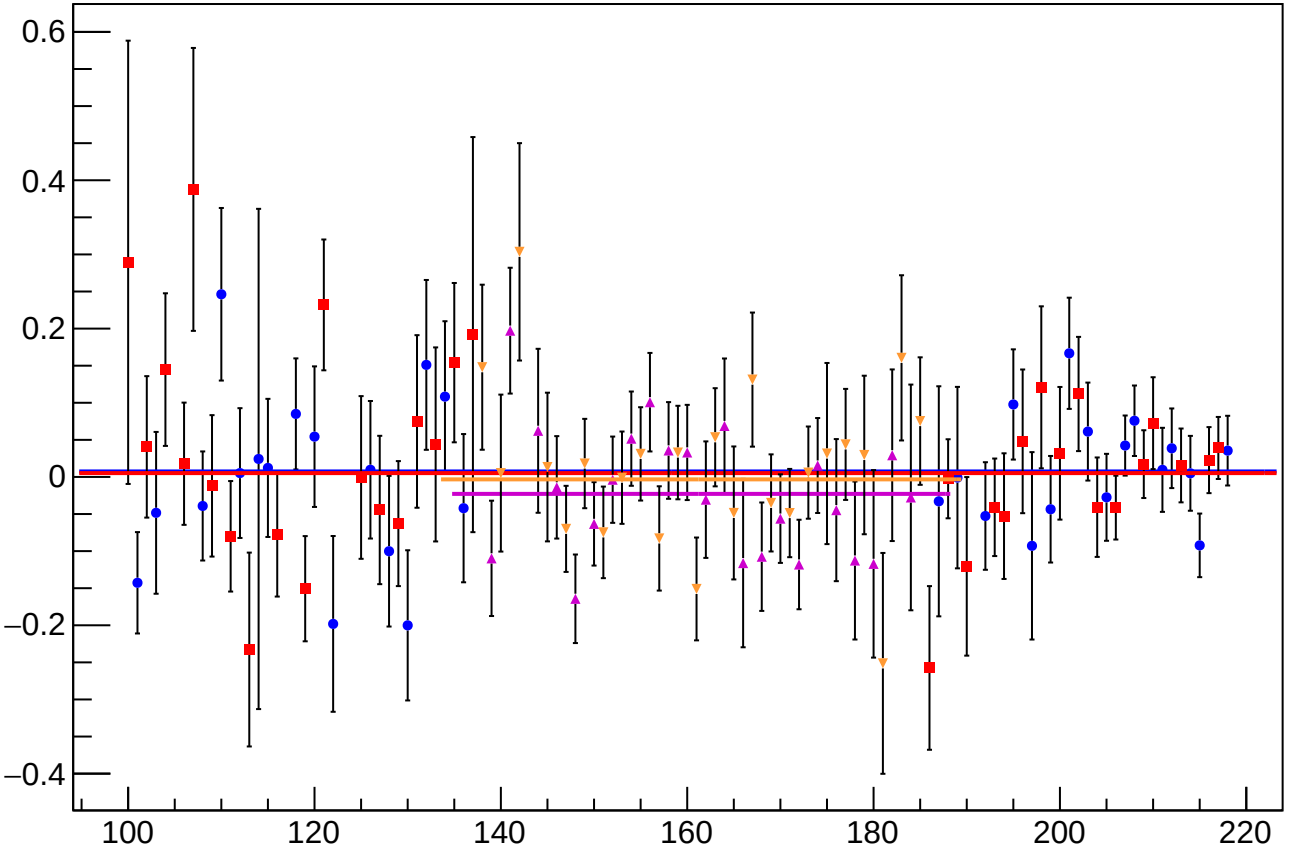
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 20115802.4/65

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

Out: 0.000+/-0.000 χ^2/NDF:18516359.3/57

All: 0.000+/-0.000 χ^2/NDF: 35593981.2/112



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: 0.005+/-0.013 χ^2/NDF: 42.6/33

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

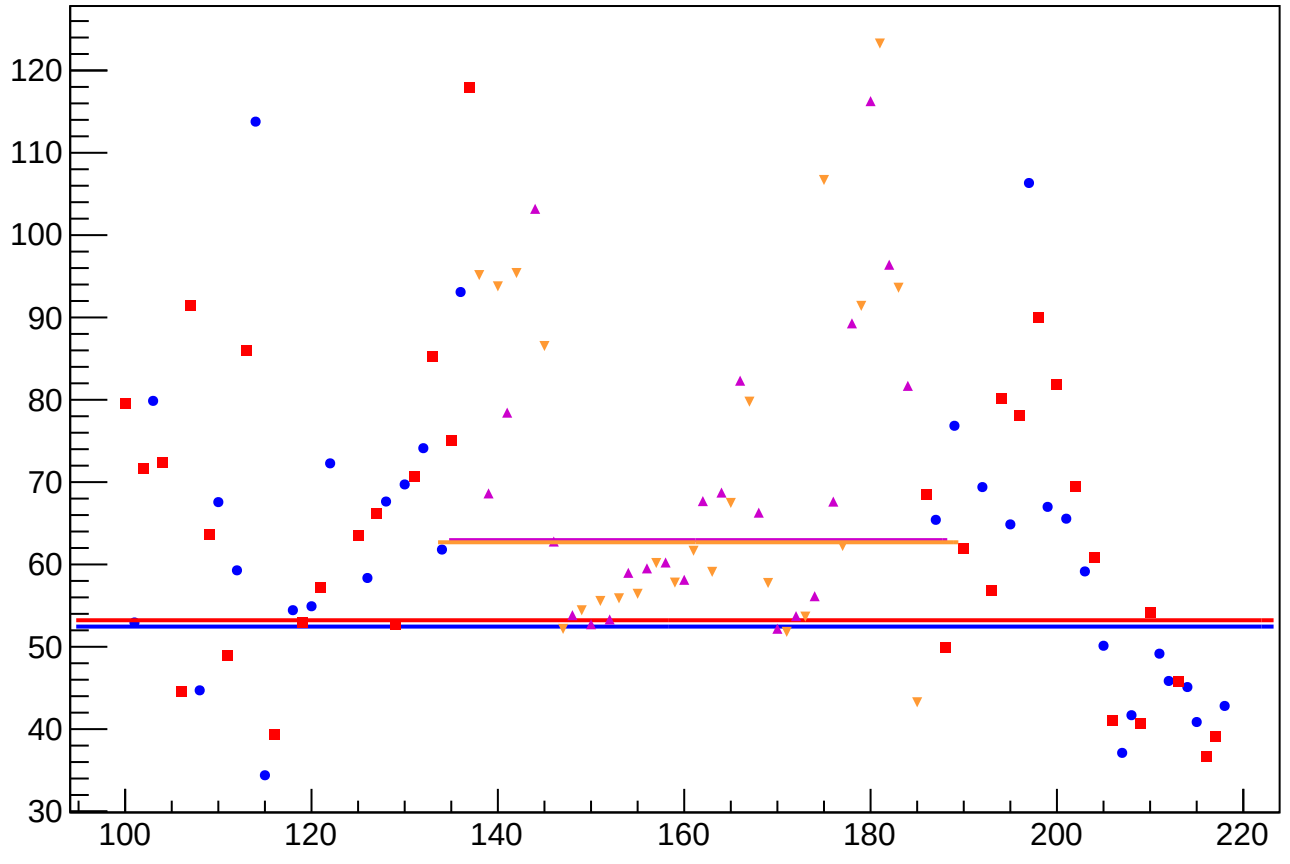
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.006+/-0.009 χ^2/NDF: 82.6/65

In: -0.005+/-0.010 χ^2/NDF:71.2/54

Out: 0.002+/-0.010 χ^2/NDF:68.6/57

All: -0.001+/-0.007 χ^2/NDF: 140.1/112



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: 53.223+/-0.009 χ^2/NDF: 2701928.4/33

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

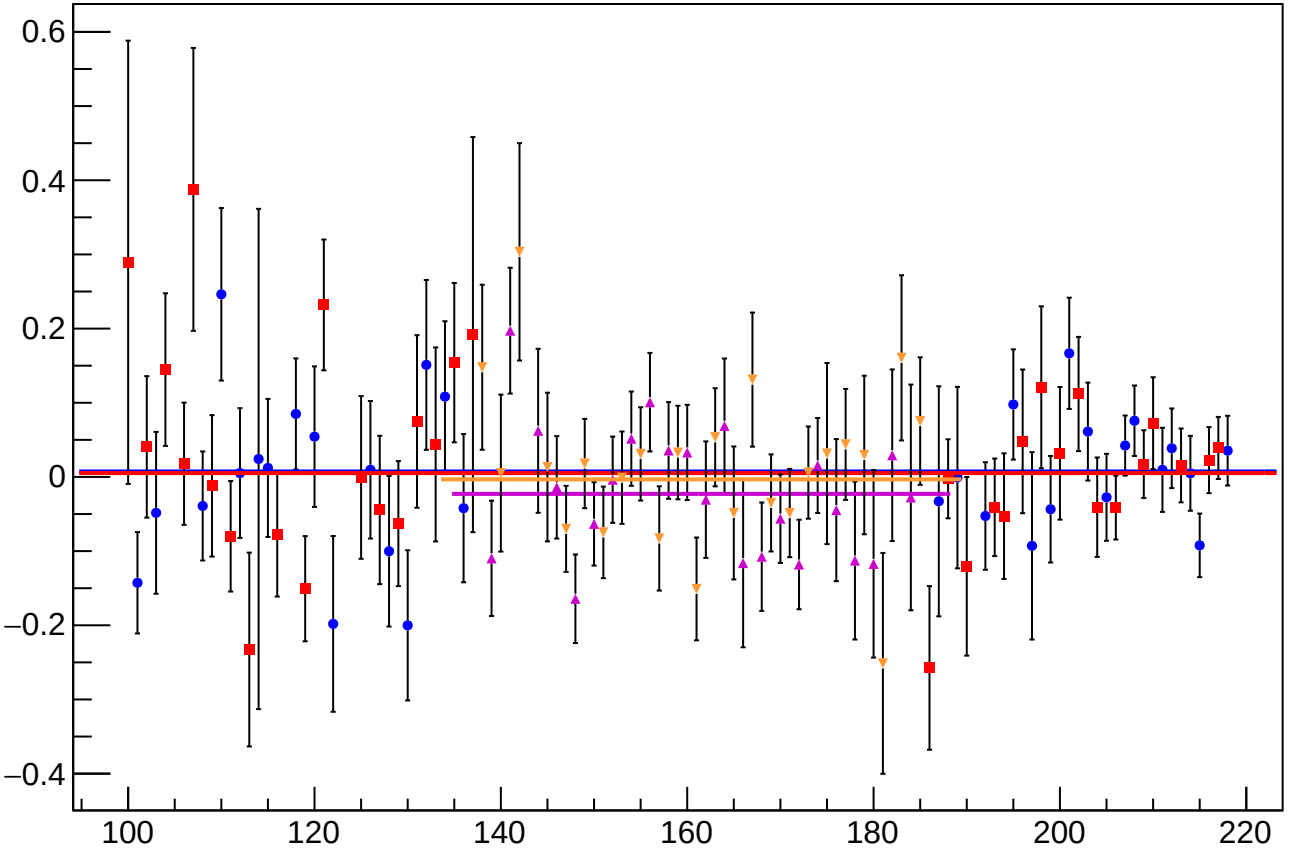
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 52.833+/-0.006 χ^2/NDF: 5118665.8/65

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

Out: 57.065+/-0.007 χ^2/NDF:5085722.6/57

All: 56.849+/-0.005 χ^2/NDF: 9483952.0/112



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: 0.005+/-0.013 χ^2/NDF: 42.6/33

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

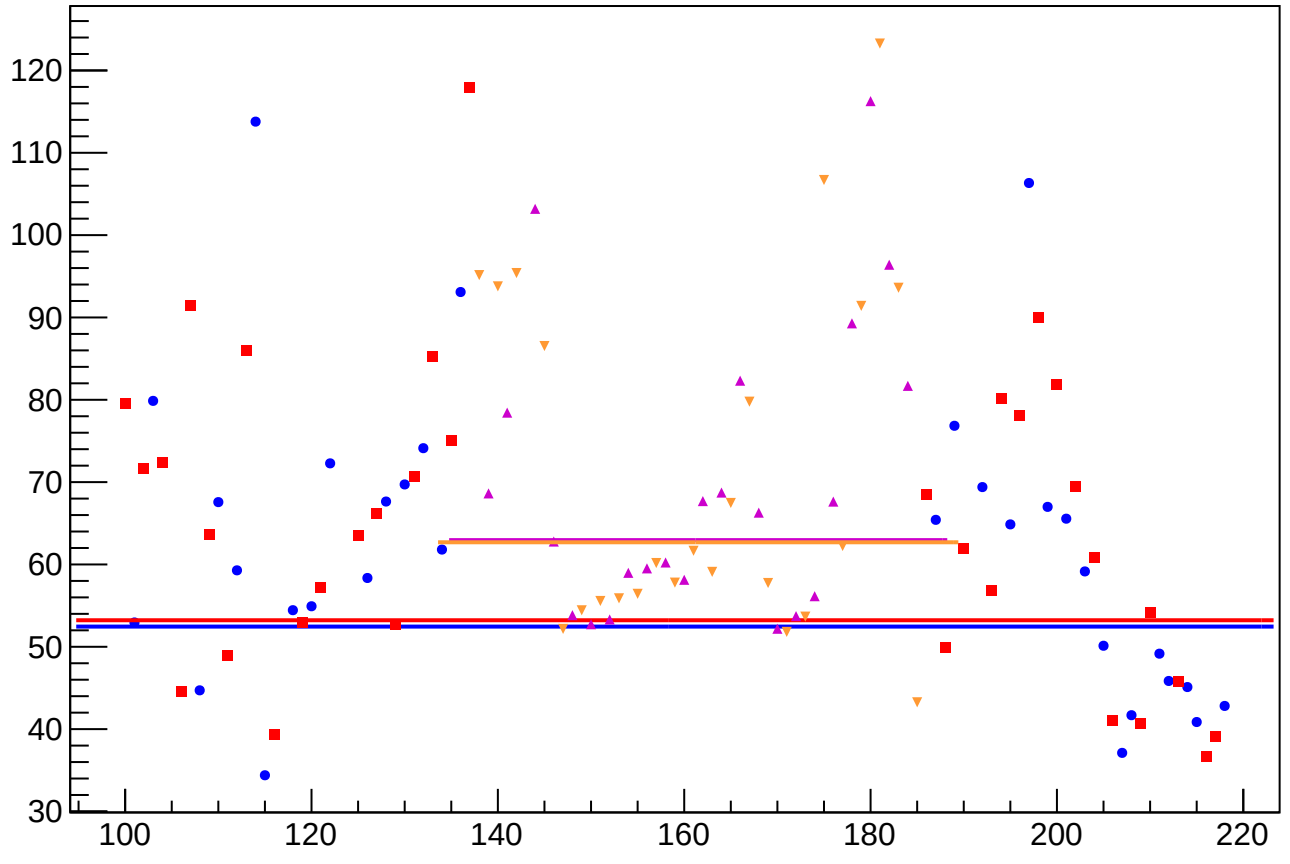
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.006+/-0.009 χ^2/NDF: 82.6/65

In: -0.005+/-0.010 χ^2/NDF:71.2/54

Out: 0.002+/-0.010 χ^2/NDF:68.6/57

All: -0.001+/-0.007 χ^2/NDF: 140.1/112



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: 53.223+/-0.009 χ^2/NDF: 2701928.4/33

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

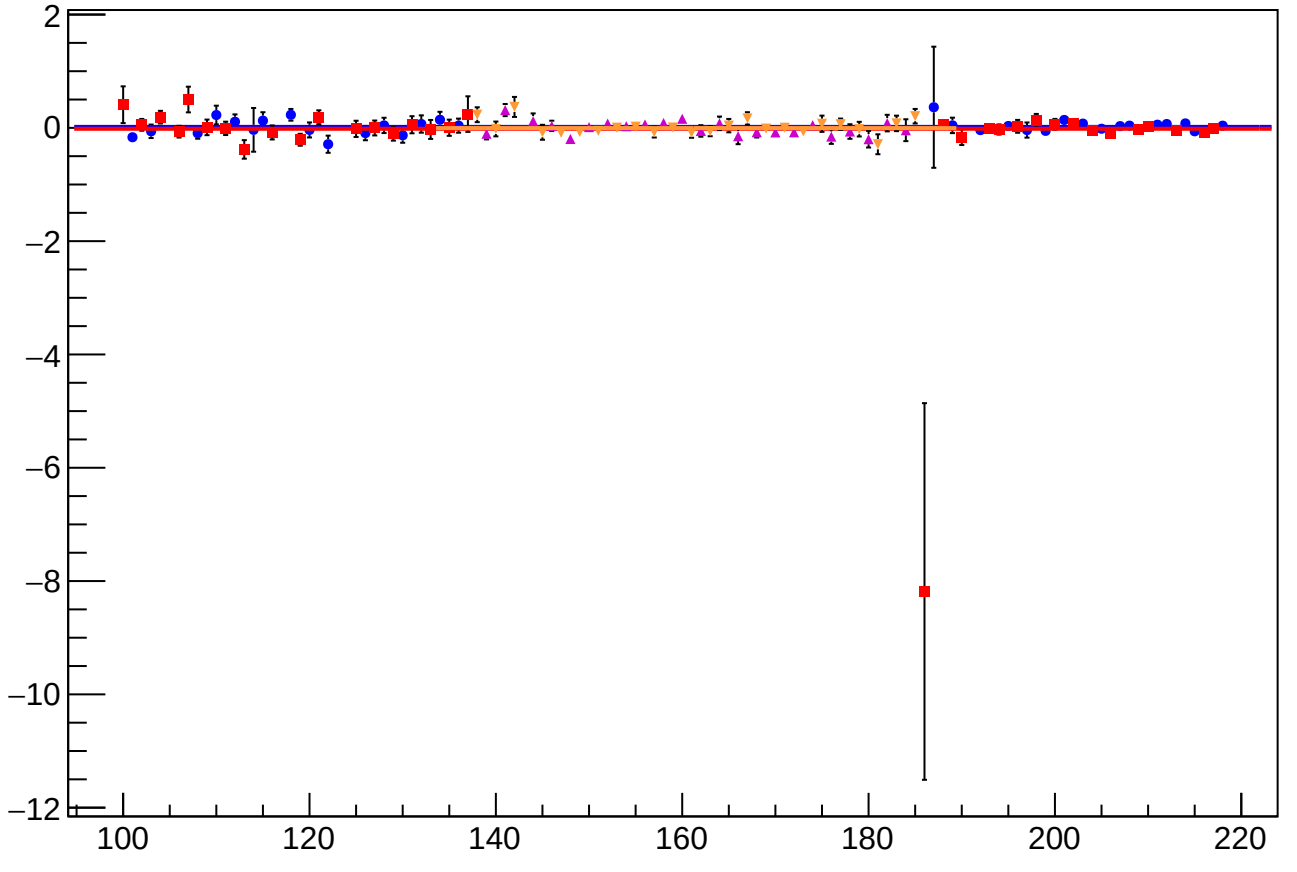
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 52.833+/-0.006 χ^2/NDF: 5118665.8/65

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

Out: 57.065+/-0.007 χ^2/NDF:5085722.6/57

All: 56.849+/-0.005 χ^2/NDF: 9483952.0/112



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: -0.016+/-0.016 χ^2/NDF: 39.9/33

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

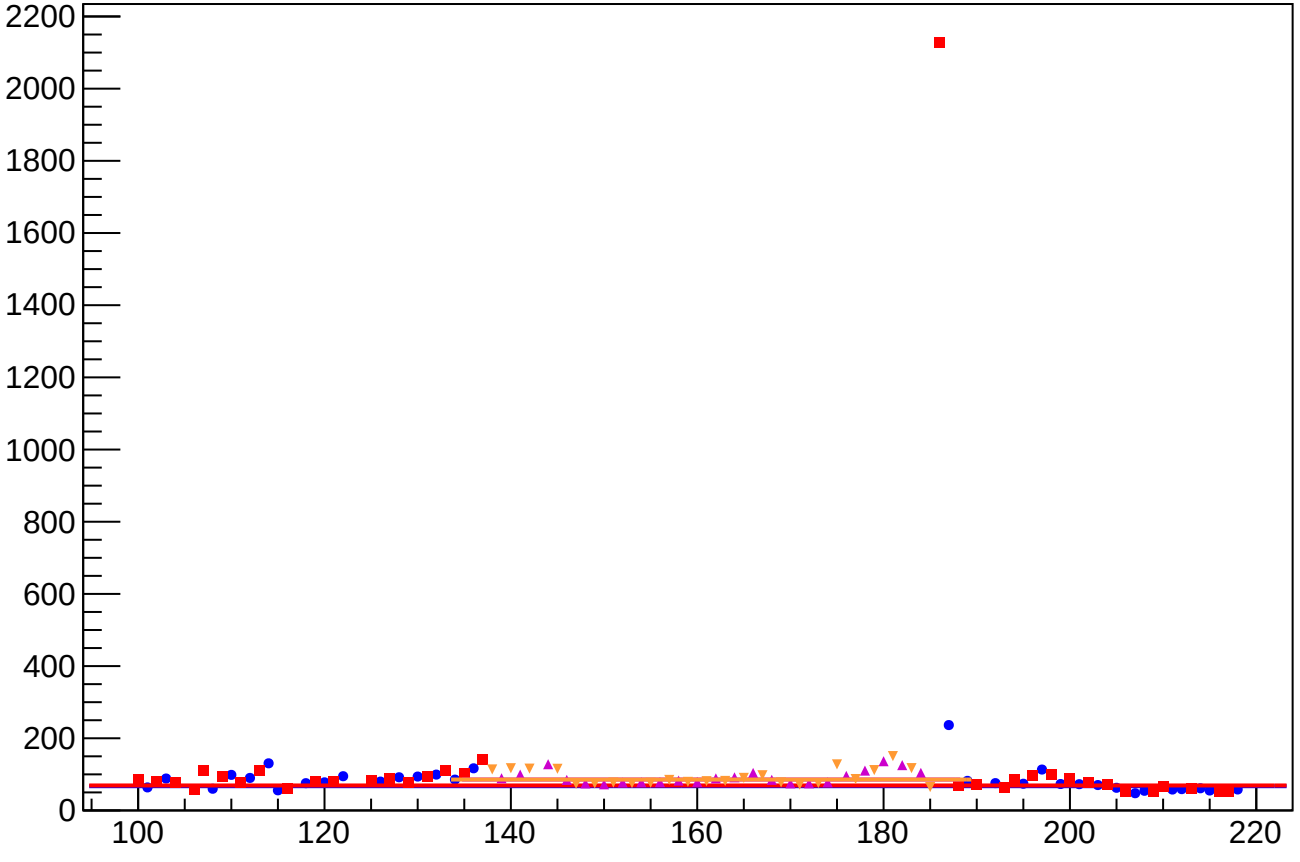
Right: 0.001+/-0.011 χ^2/NDF: 71.5/65

In: 0.011+/-0.013 χ^2/NDF:60.4/54

Out: -0.012+/-0.013 χ^2/NDF:61.4/57

All: 0.000+/-0.009 χ^2/NDF: 123.5/112

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: 69.266+/-0.012 χ^2/NDF: 2678788.2/33

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

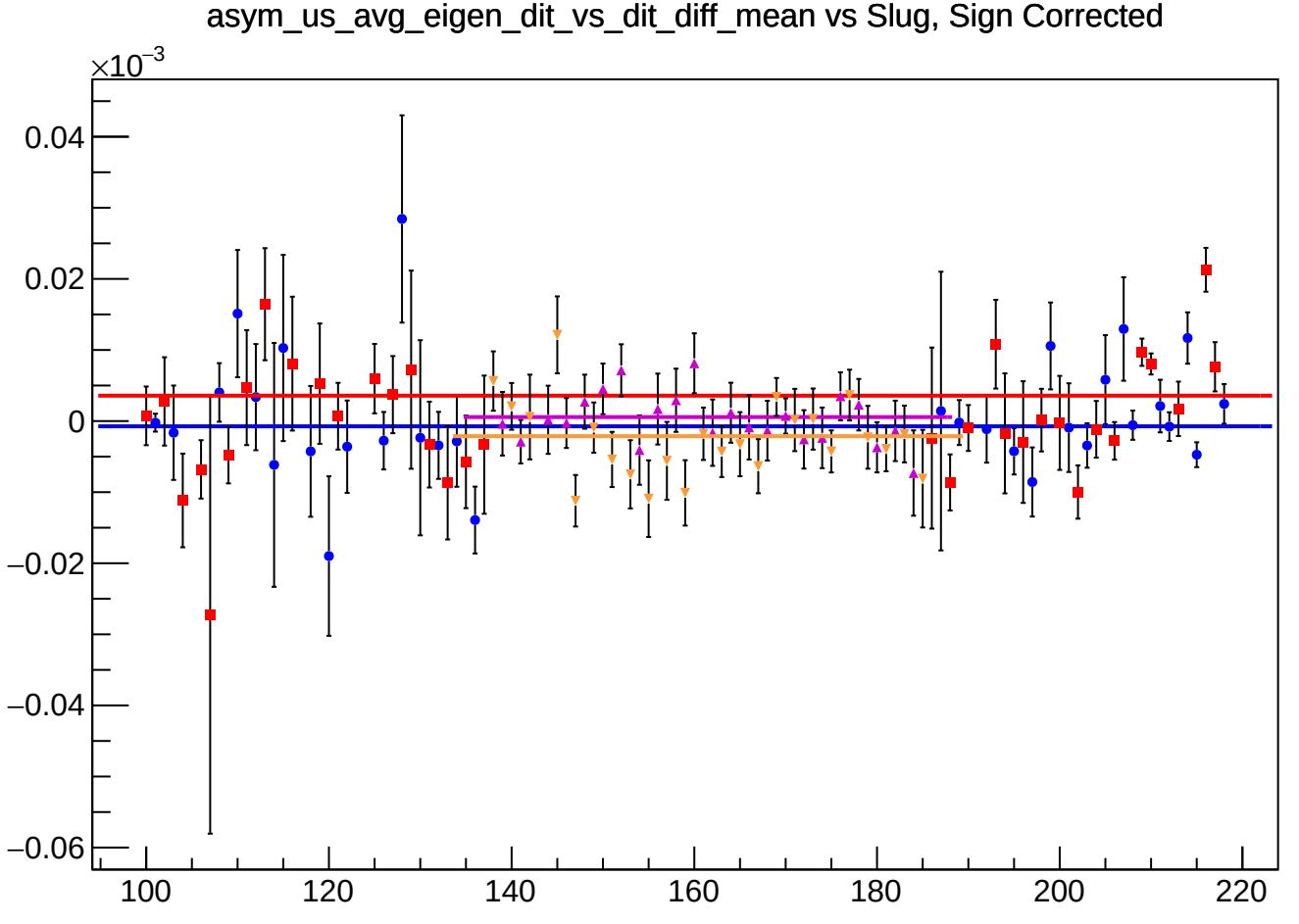
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 68.203+/-0.008 χ^2/NDF: 4638893.0/65

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

Out: 75.589+/-0.009 χ^2/NDF:4802302.3/57

All: 74.809+/-0.006 χ^2/NDF: 8760440.2/112



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: 116.4/33

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

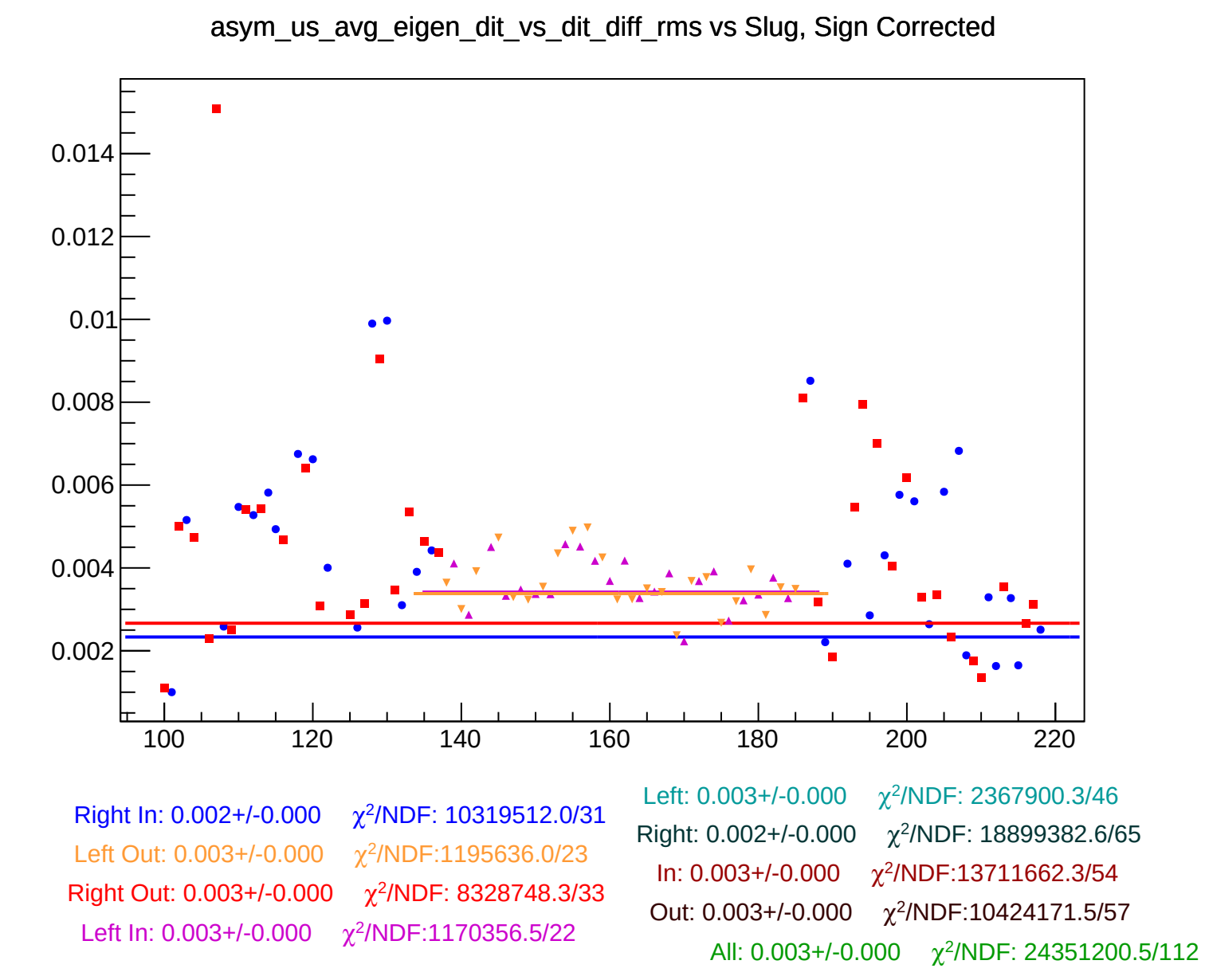
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: 0.000+/-0.000 χ^2/NDF: 190.3/65

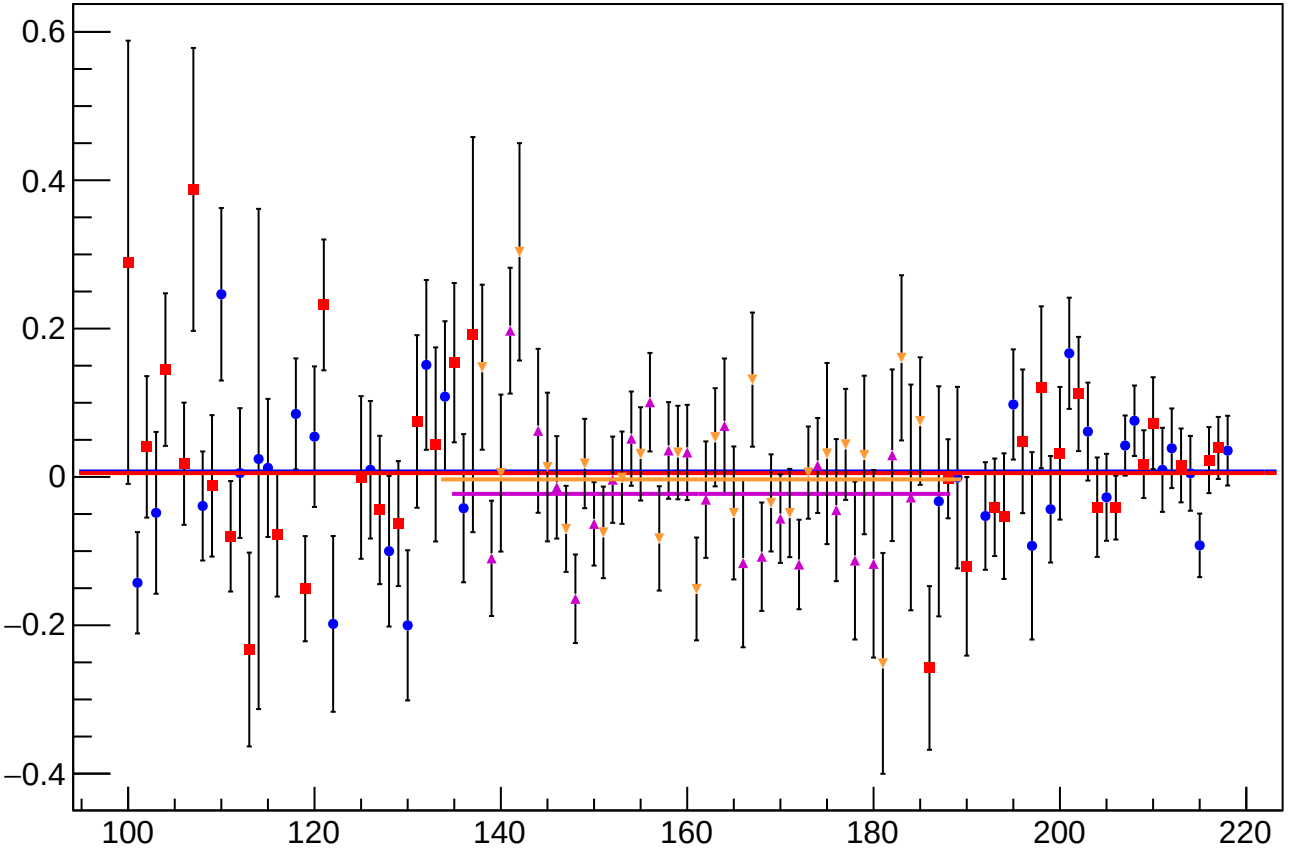
In: -0.000+/-0.000 χ^2/NDF:71.0/54

Out: 0.000+/-0.000 χ^2/NDF:182.4/57

All: 0.000+/-0.000 χ^2/NDF: 257.0/112


asym_us_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
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 10319512.0/31
Left Out: 0.003+/-0.000 χ²/NDF:1195636.0/23
Right Out: 0.003+/-0.000 χ²/NDF: 8328748.3/33
Left In: 0.003+/-0.000 χ²/NDF:1170356.5/22
Left: 0.003+/-0.000 χ²/NDF: 2367900.3/46
Right: 0.002+/-0.000 χ²/NDF: 18899382.6/65
In: 0.003+/-0.000 χ²/NDF:13711662.3/54
Out: 0.003+/-0.000 χ²/NDF:10424171.5/57
All: 0.003+/-0.000 χ²/NDF: 24351200.5/112

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 0.005+/-0.013 χ^2/NDF: 42.6/33

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

Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

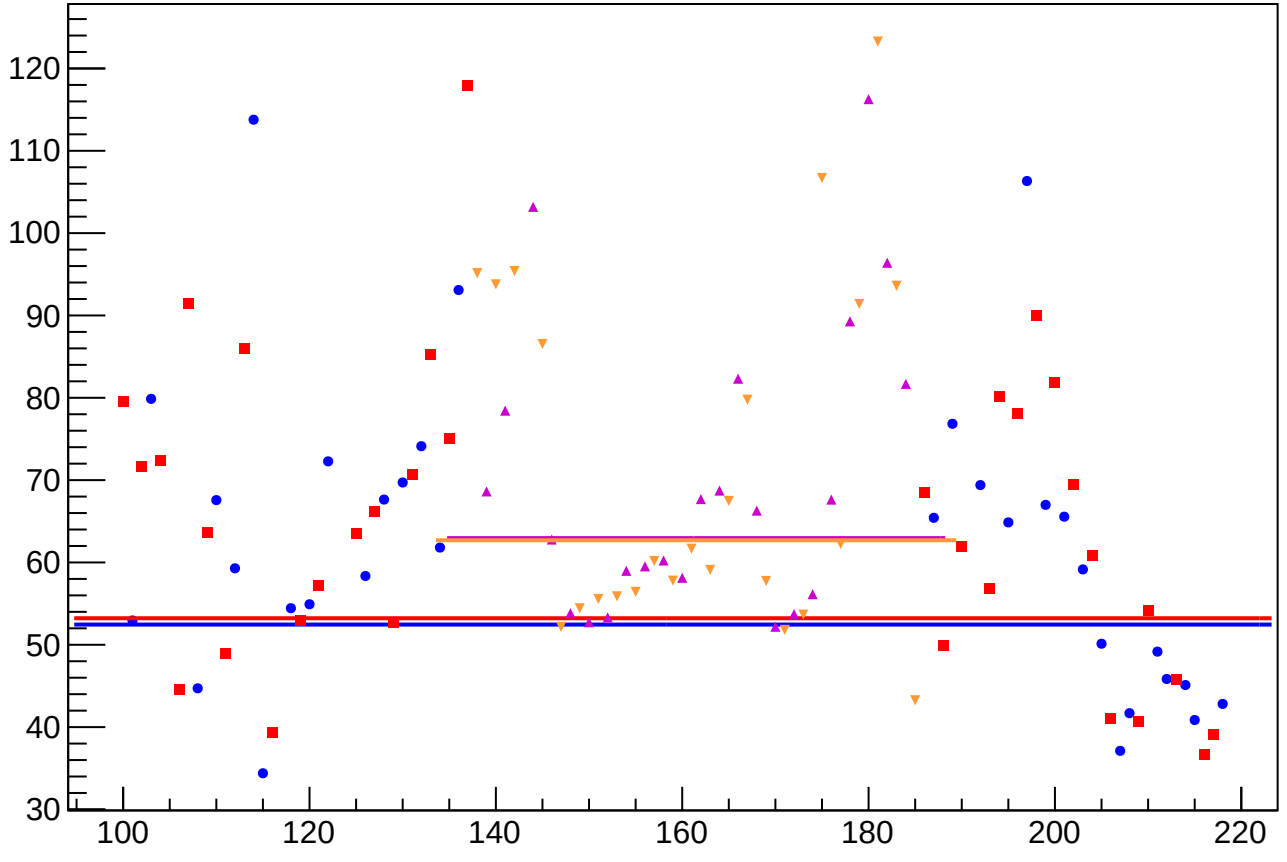
Right: 0.006+/-0.009 χ^2/NDF: 82.6/65

In: -0.005+/-0.010 χ^2/NDF:71.2/54

Out: 0.002+/-0.010 χ^2/NDF:68.7/57

All: -0.001+/-0.007 χ^2/NDF: 140.1/112

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 53.223+/-0.009 χ^2/NDF: 2701735.0/33

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

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

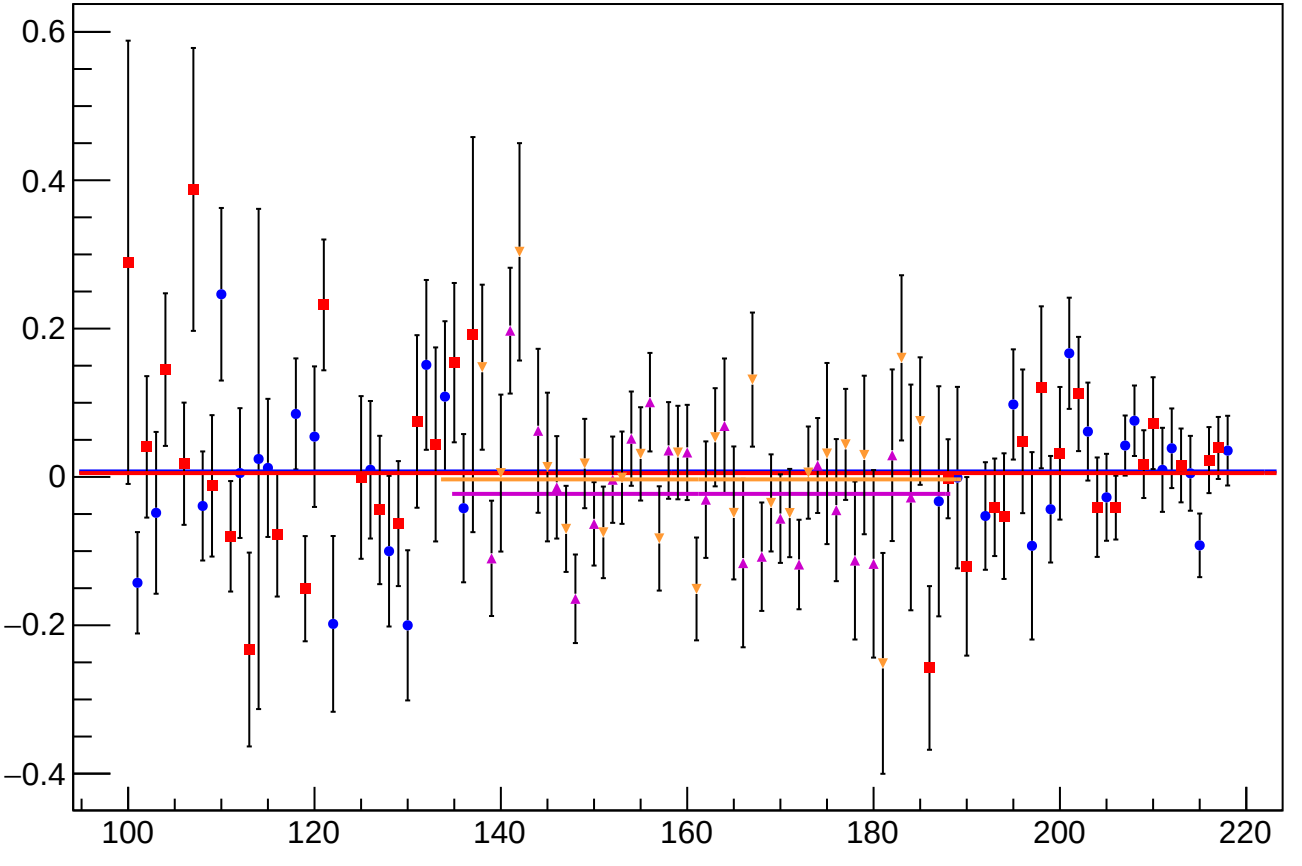
Right: 52.833+/-0.006 χ^2/NDF: 5118295.2/65

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

Out: 57.065+/-0.007 χ^2/NDF:5085567.9/57

All: 56.849+/-0.005 χ^2/NDF: 9483587.9/112

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.005+/-0.013 χ^2/NDF: 42.6/33

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

Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

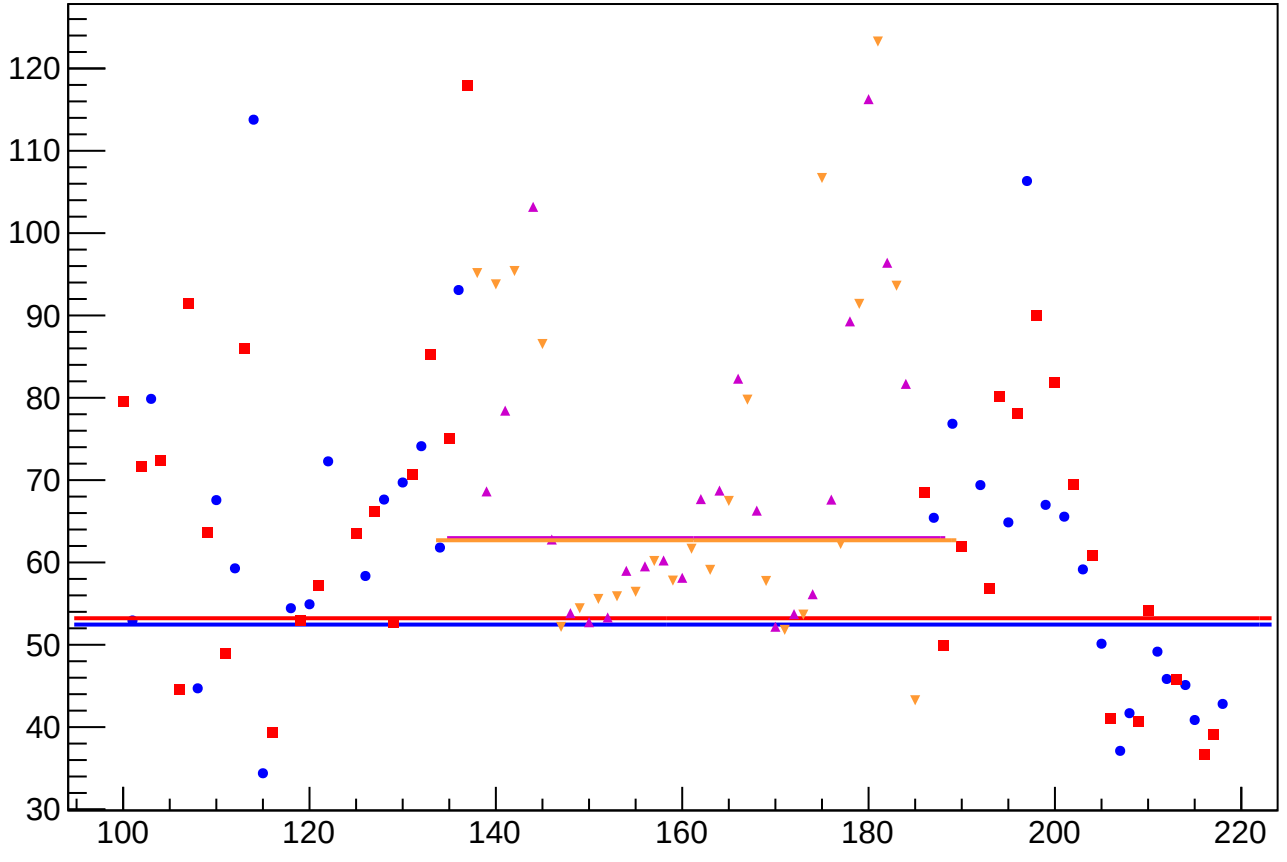
Right: 0.006+/-0.009 χ^2/NDF: 82.6/65

In: -0.005+/-0.010 χ^2/NDF:71.2/54

Out: 0.002+/-0.010 χ^2/NDF:68.7/57

All: -0.001+/-0.007 χ^2/NDF: 140.1/112

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 53.223+/-0.009 χ^2/NDF: 2701735.0/33

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

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

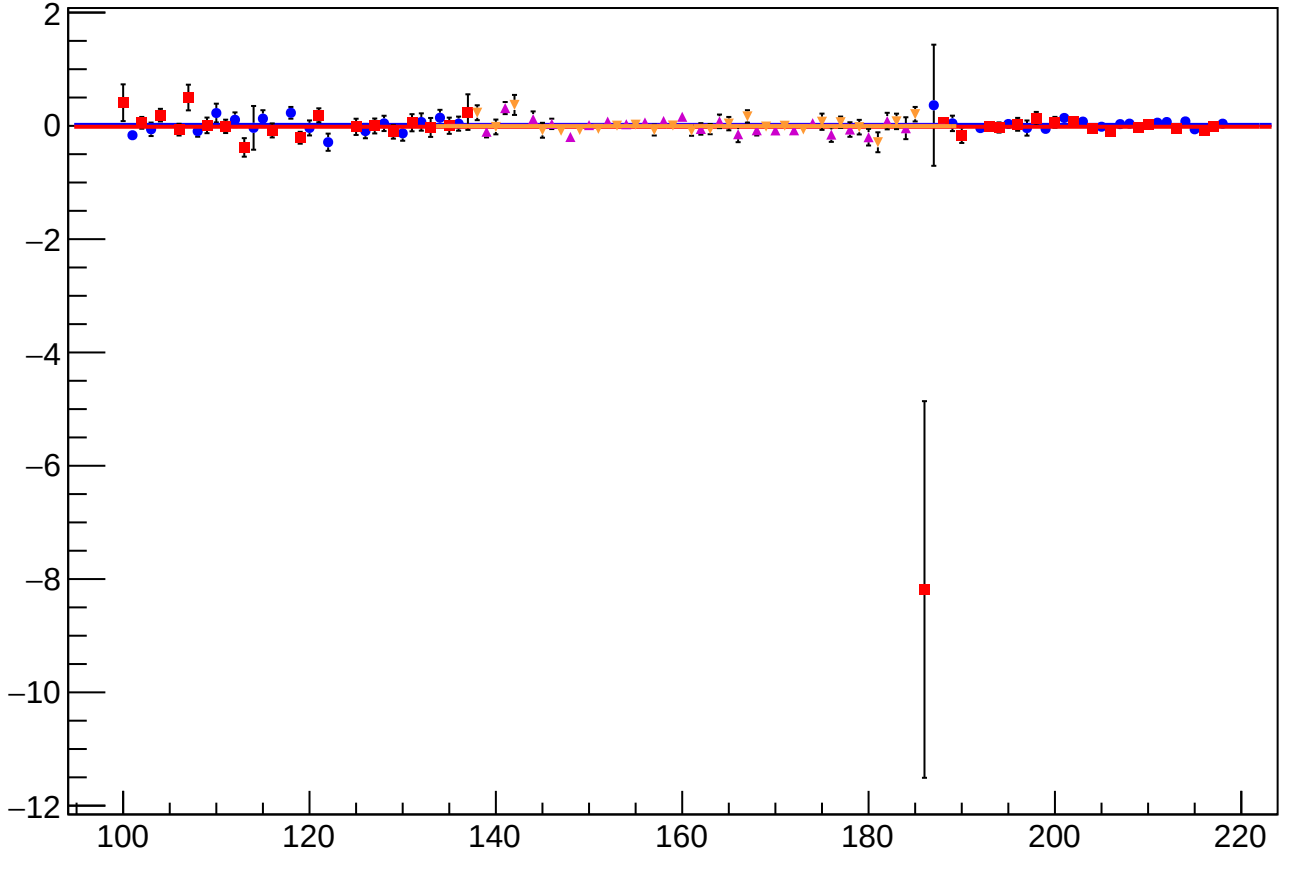
Right: 52.833+/-0.006 χ^2/NDF: 5118295.2/65

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

Out: 57.065+/-0.007 χ^2/NDF:5085567.9/57

All: 56.849+/-0.005 χ^2/NDF: 9483587.9/112

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: -0.016+/-0.016 χ^2/NDF: 39.9/33

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

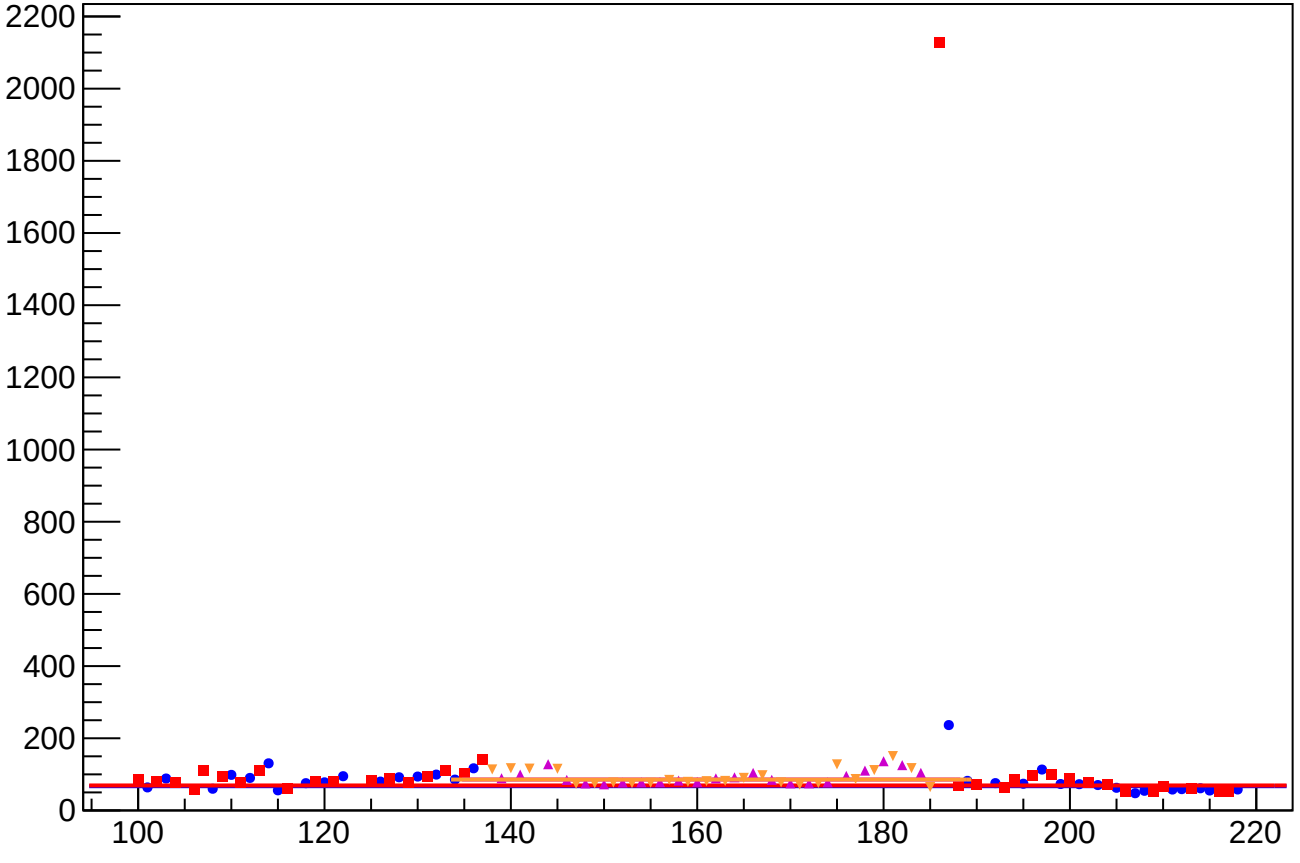
Right: 0.001+/-0.011 χ^2/NDF: 71.5/65

In: 0.011+/-0.013 χ^2/NDF:60.4/54

Out: -0.012+/-0.013 χ^2/NDF:61.4/57

All: 0.000+/-0.009 χ^2/NDF: 123.5/112

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: 69.266+/-0.012 χ^2/NDF: 2678681.1/33

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

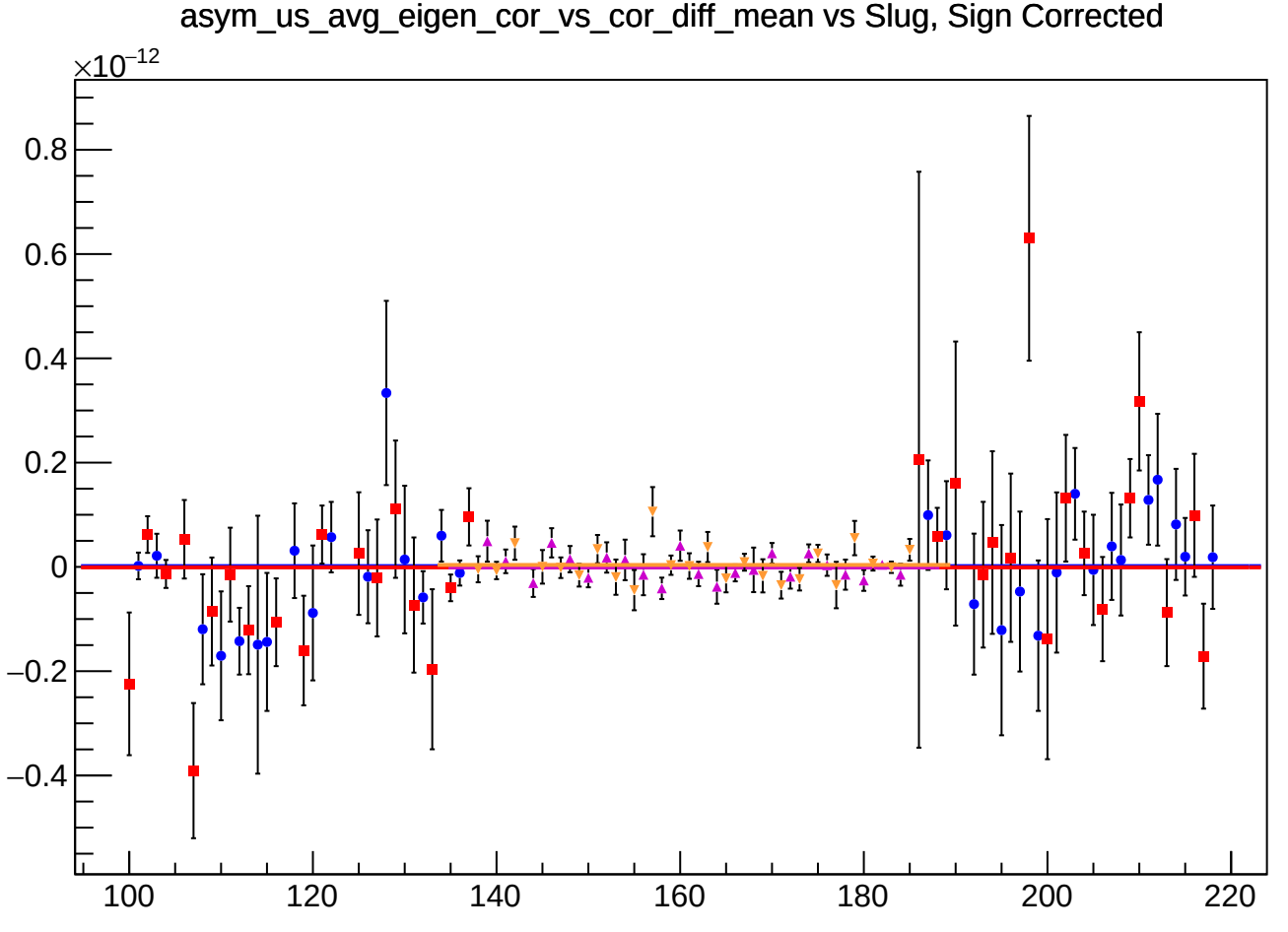
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 68.203+/-0.008 χ^2/NDF: 4638641.9/65

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

Out: 75.589+/-0.009 χ^2/NDF:4802224.3/57

All: 74.809+/-0.006 χ^2/NDF: 8760194.7/112



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: 56.2/33

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

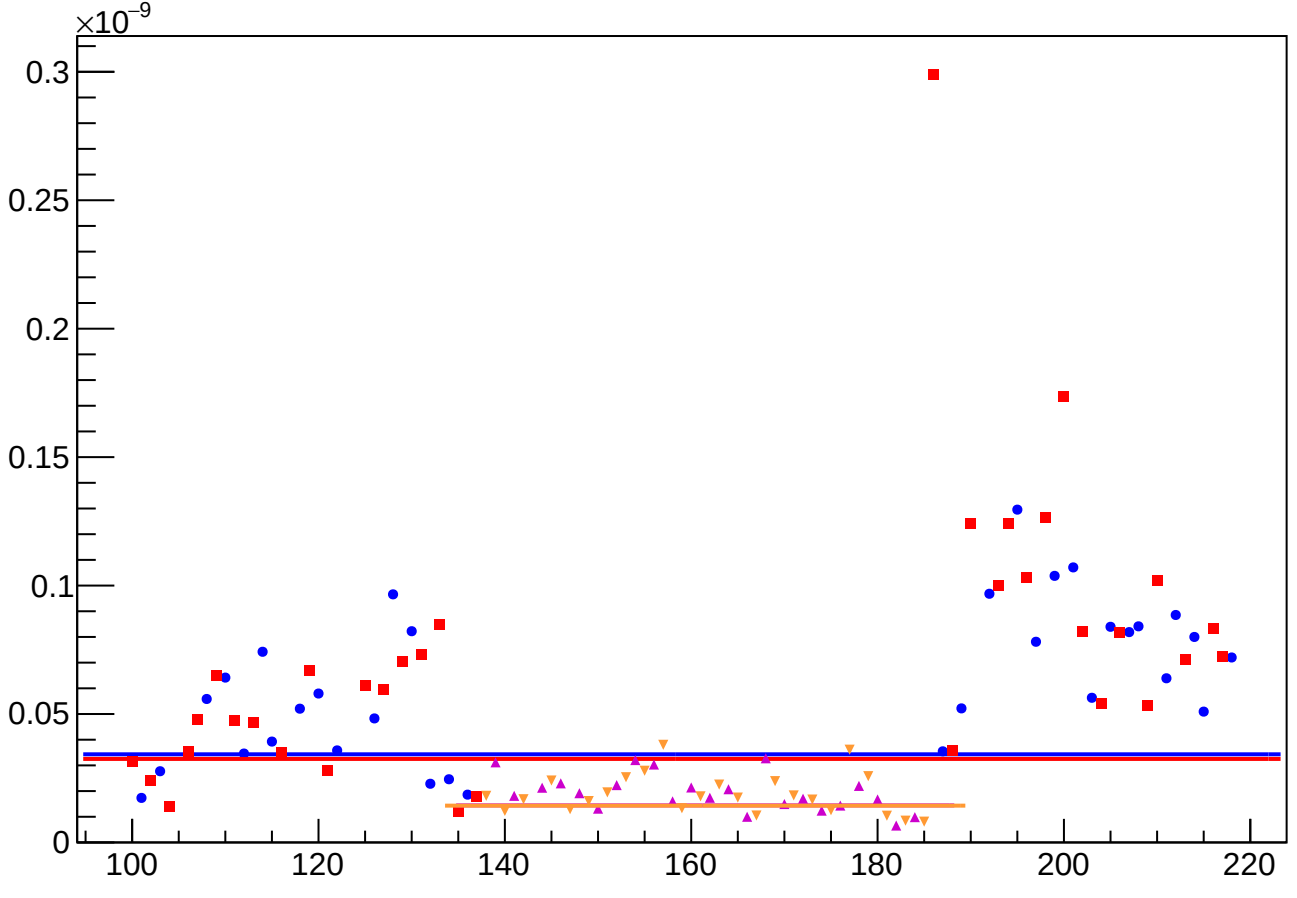
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: 0.000+/-0.000 χ^2/NDF: 84.3/65

In: -0.000+/-0.000 χ^2/NDF:51.8/54

Out: 0.000+/-0.000 χ^2/NDF:81.3/57

All: 0.000+/-0.000 χ^2/NDF: 133.5/112



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: 9692642.6/33

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

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

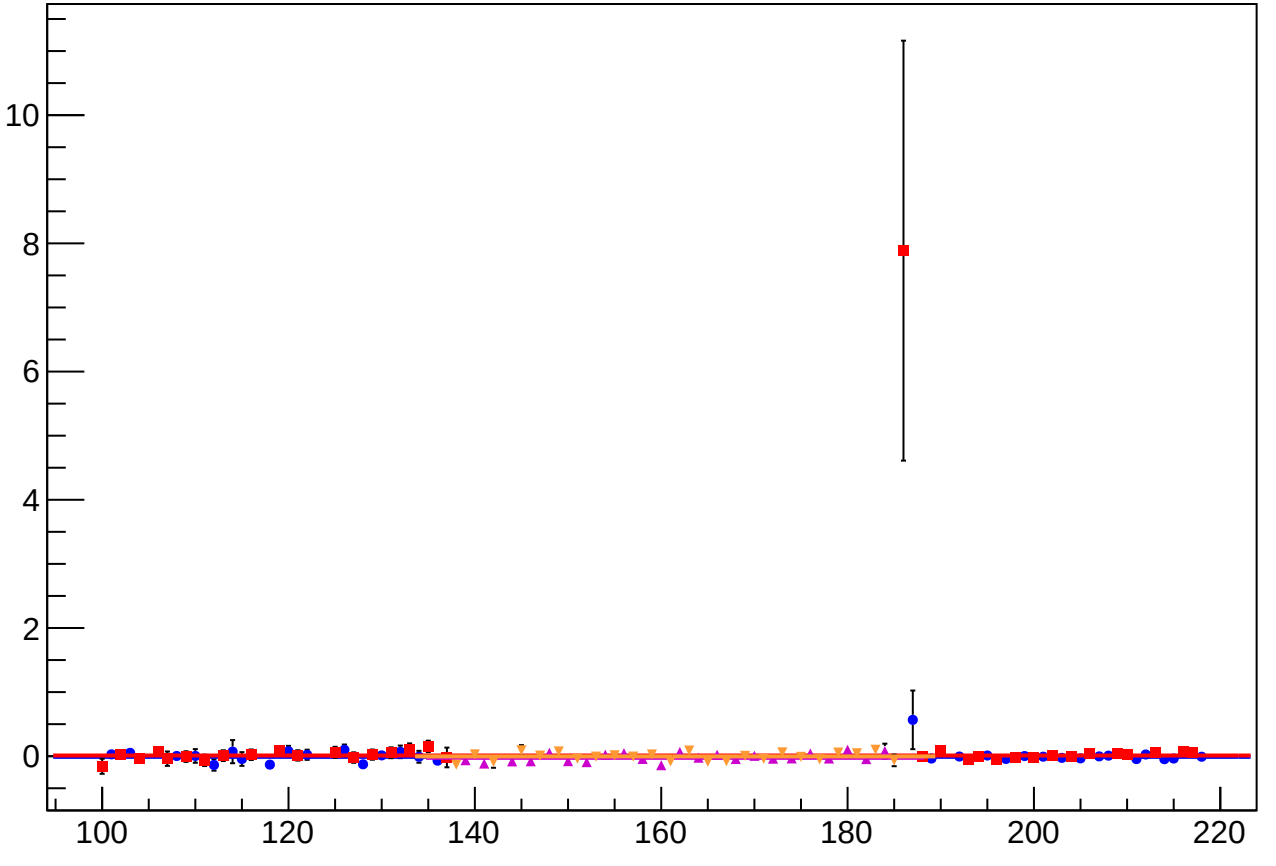
Right: 0.000+/-0.000 χ^2/NDF: 17407546.3/65

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

Out: 0.000+/-0.000 χ^2/NDF:17334626.6/57

All: 0.000+/-0.000 χ^2/NDF: 34203181.8/112

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: 0.011+/-0.007 χ^2/NDF: 40.7/33

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

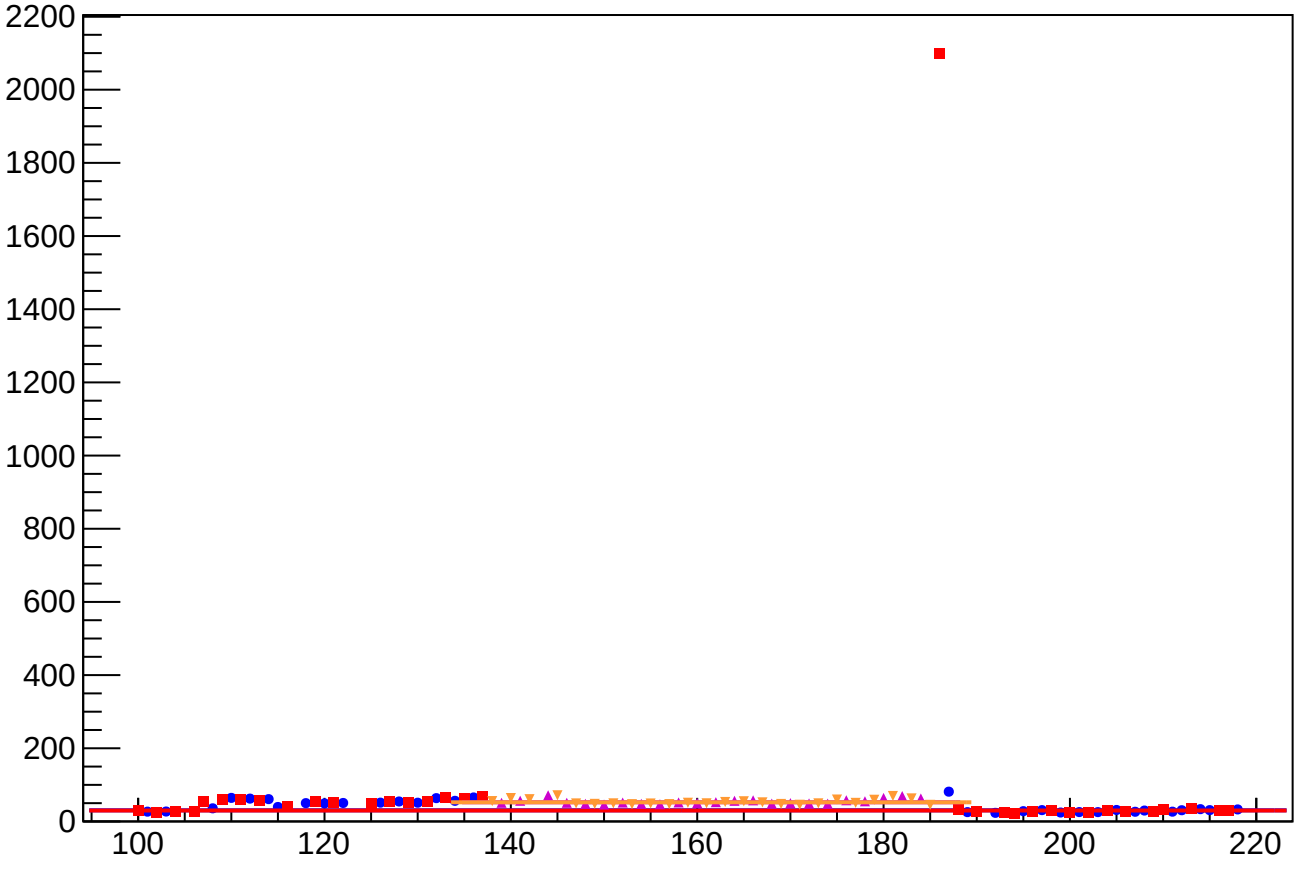
Right: 0.000+/-0.005 χ^2/NDF: 70.2/65

In: -0.014+/-0.006 χ^2/NDF:50.6/54

Out: 0.007+/-0.006 χ^2/NDF:64.8/57

All: -0.003+/-0.004 χ^2/NDF: 121.2/112

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: 29.934+/-0.005 χ^2/NDF: 3879961.5/33

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

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

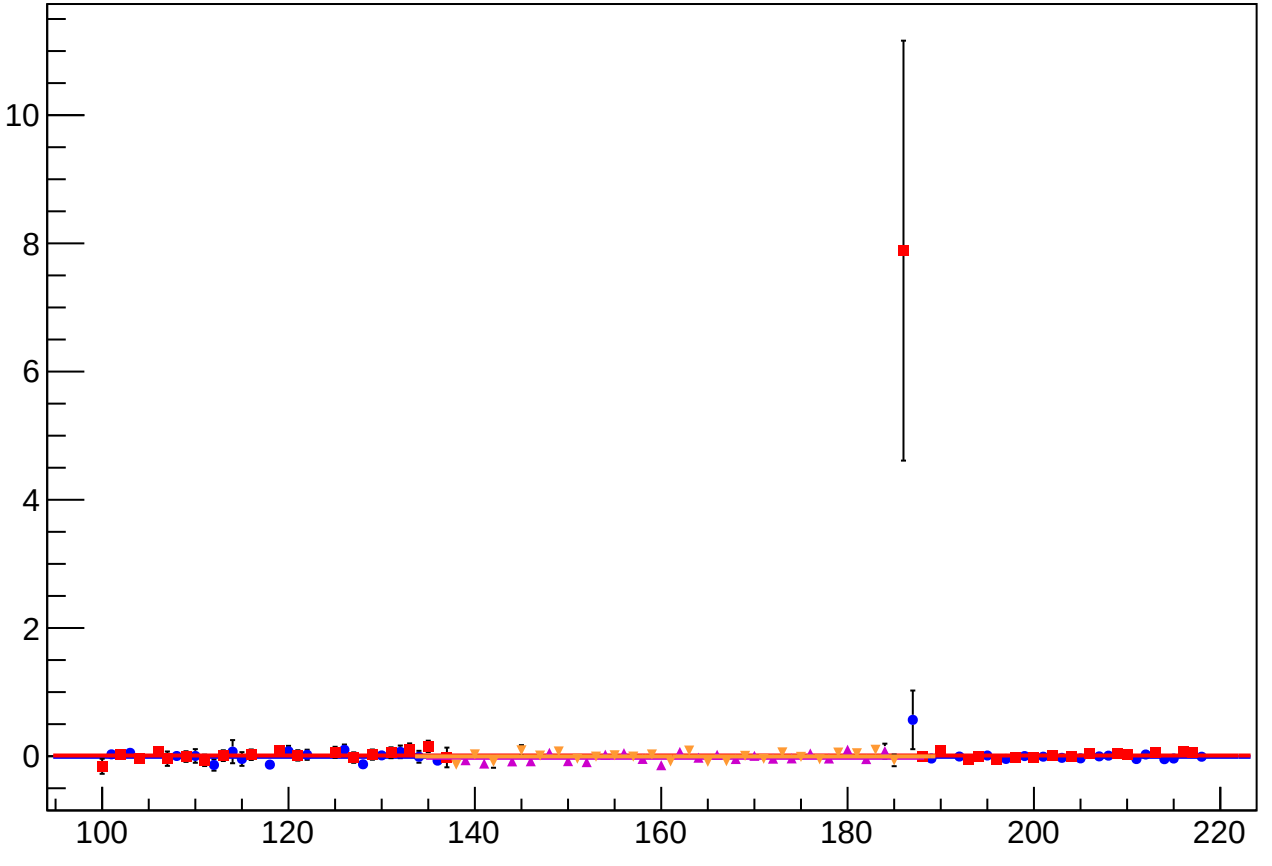
Right: 30.203+/-0.004 χ^2/NDF: 6776823.6/65

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

Out: 35.620+/-0.004 χ^2/NDF:9271350.6/57

All: 35.835+/-0.003 χ^2/NDF: 17232759.1/112

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: 0.011+/-0.007 χ^2/NDF: 40.7/33

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

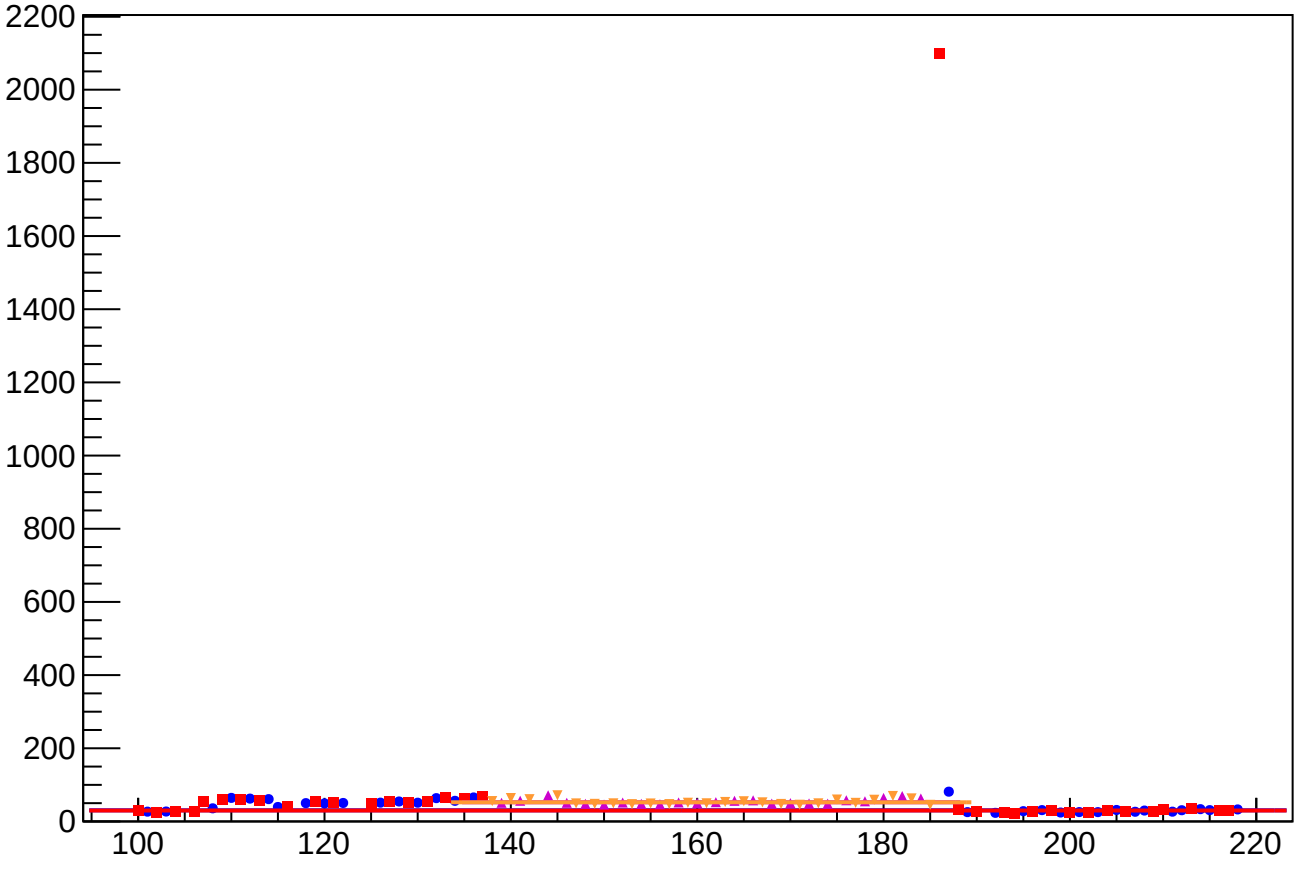
Right: 0.000+/-0.005 χ^2/NDF: 70.2/65

In: -0.014+/-0.006 χ^2/NDF:50.6/54

Out: 0.007+/-0.006 χ^2/NDF:64.8/57

All: -0.003+/-0.004 χ^2/NDF: 121.2/112

asym_us_avg_overload_cor_vs_eigen_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: 29.934+/-0.005 χ^2/NDF: 3879961.5/33

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

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

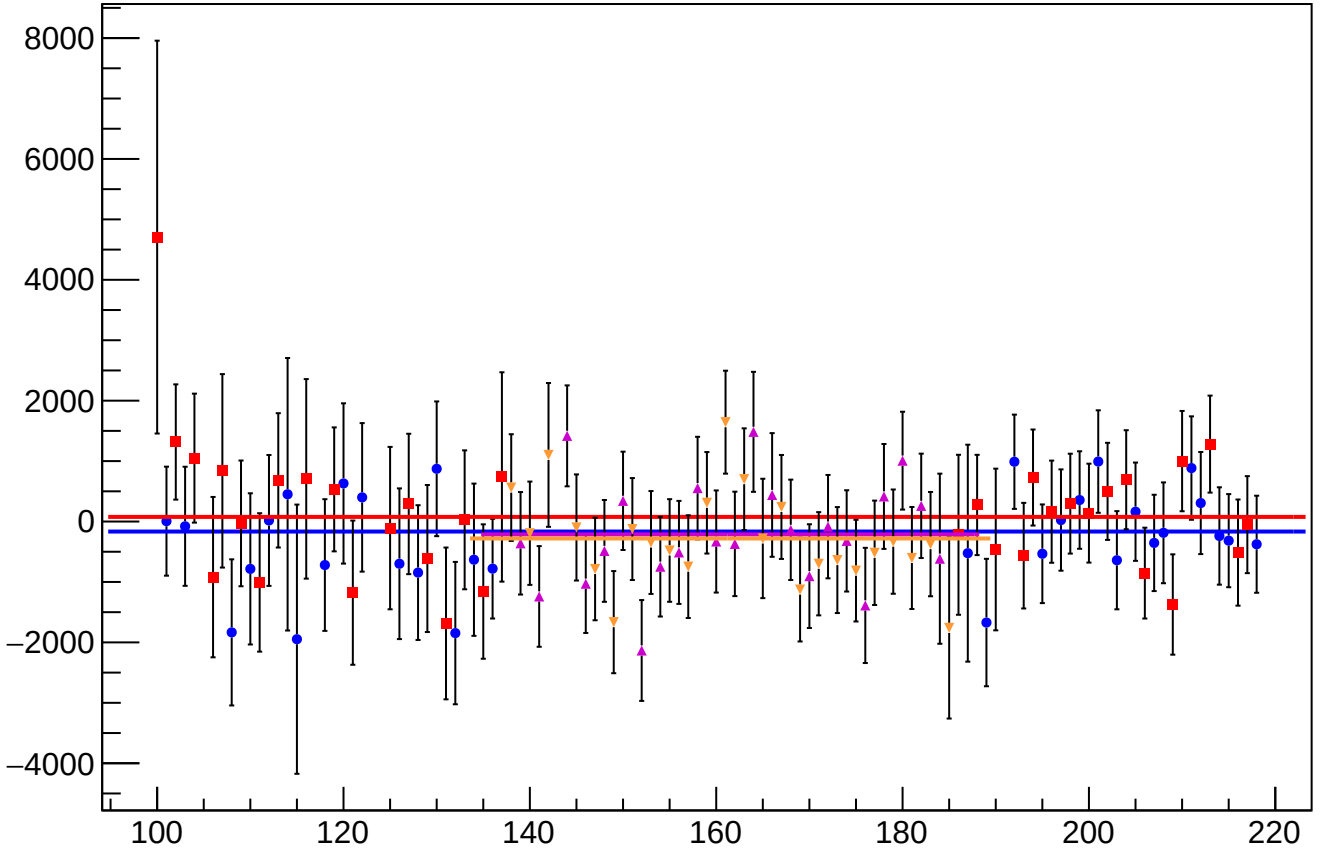
Right: 30.203+/-0.004 χ^2/NDF: 6776823.6/65

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

Out: 35.620+/-0.004 χ^2/NDF:9271350.6/57

All: 35.835+/-0.003 χ^2/NDF: 17232759.1/112

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: 76.676+/-171.511 χ^2/NDF: 22.7/33

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

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

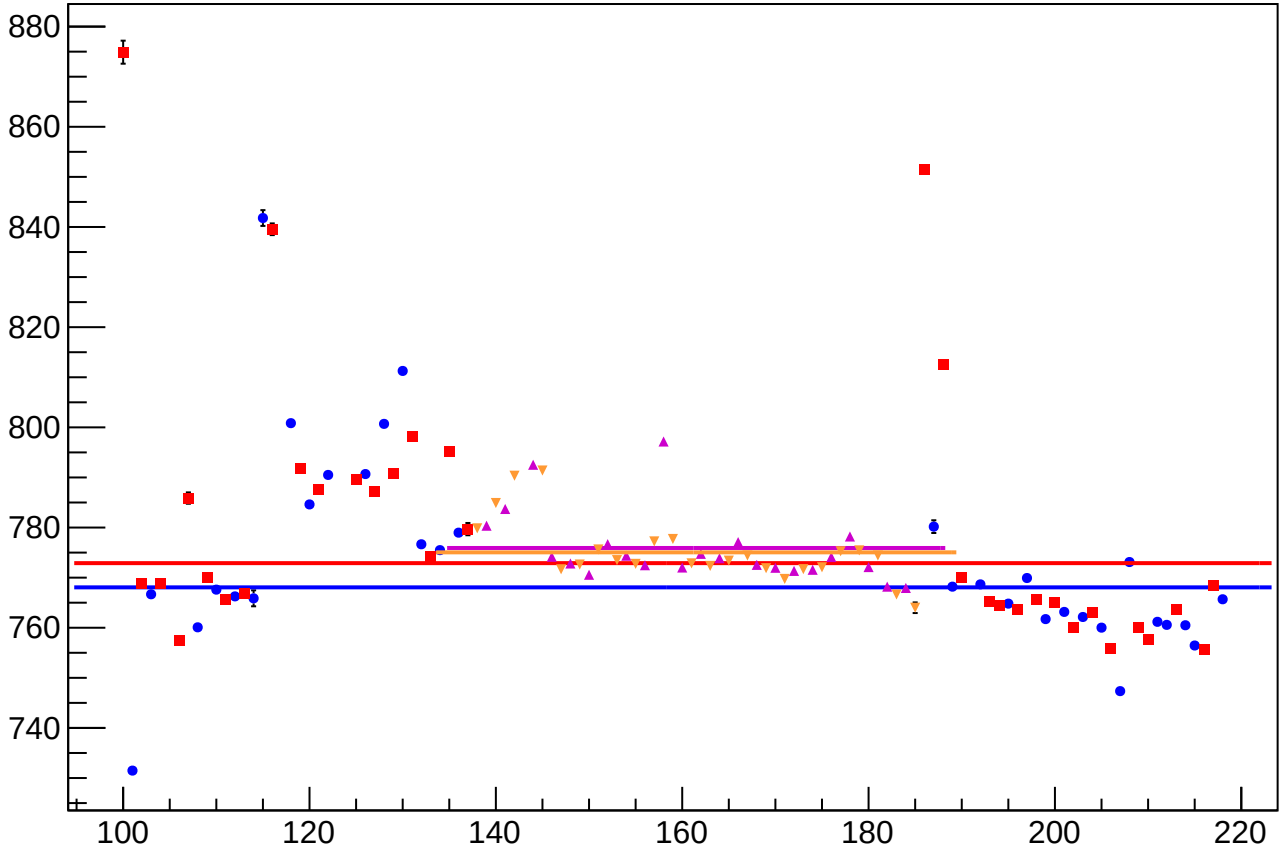
Right: -44.983+/-121.038 χ^2/NDF: 40.9/65

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

Out: -93.344+/-124.130 χ^2/NDF:40.8/57

All: -140.689+/-87.831 χ^2/NDF: 80.7/112

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: 772.897+/-0.121 χ^2/NDF: 26215.3/33

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

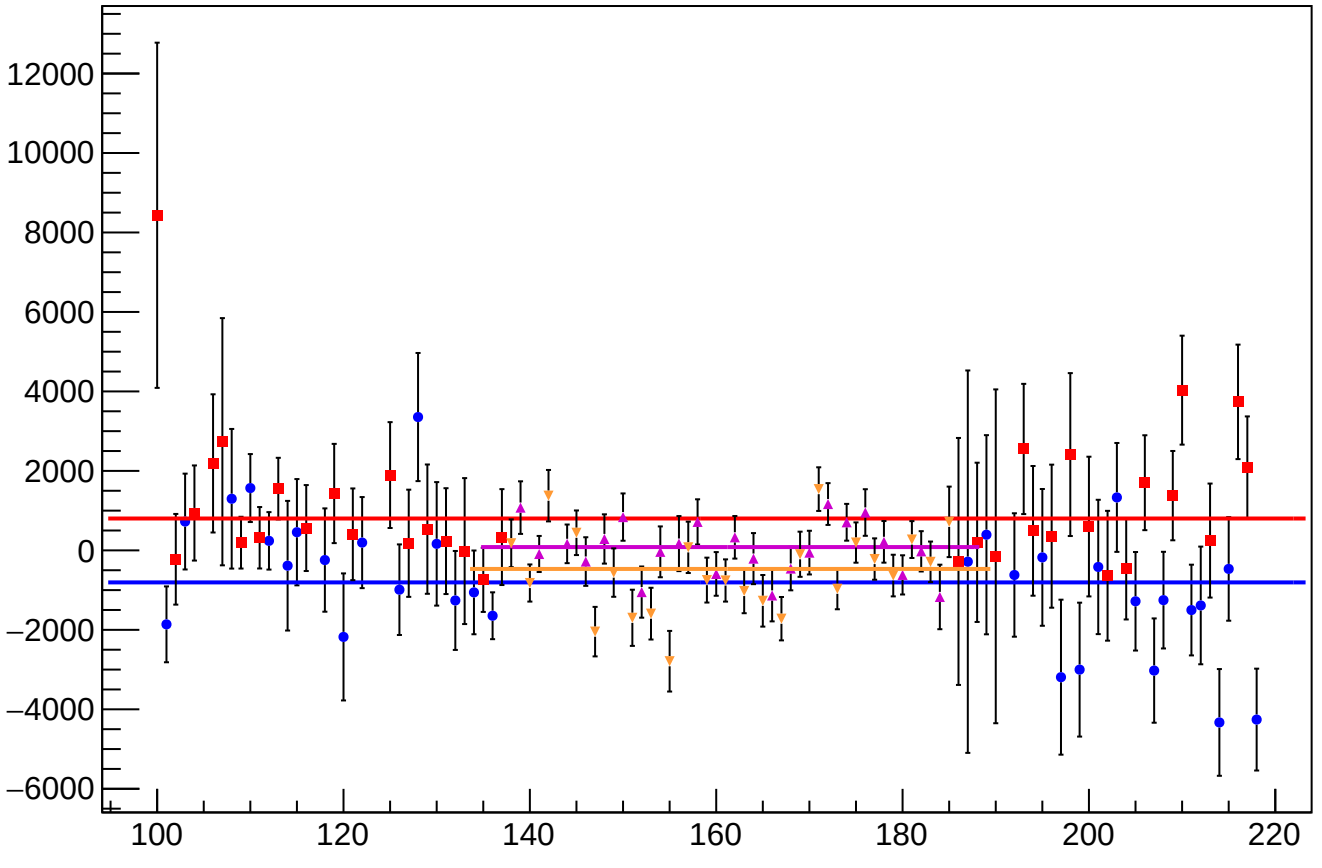
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 770.470+/-0.086 χ^2/NDF: 44266.3/65

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

Out: 773.922+/-0.088 χ^2/NDF:28316.6/57

All: 772.843+/-0.062 χ^2/NDF: 50838.1/112



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: 801.814+/-217.811 χ^2/NDF: 28.2/33

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

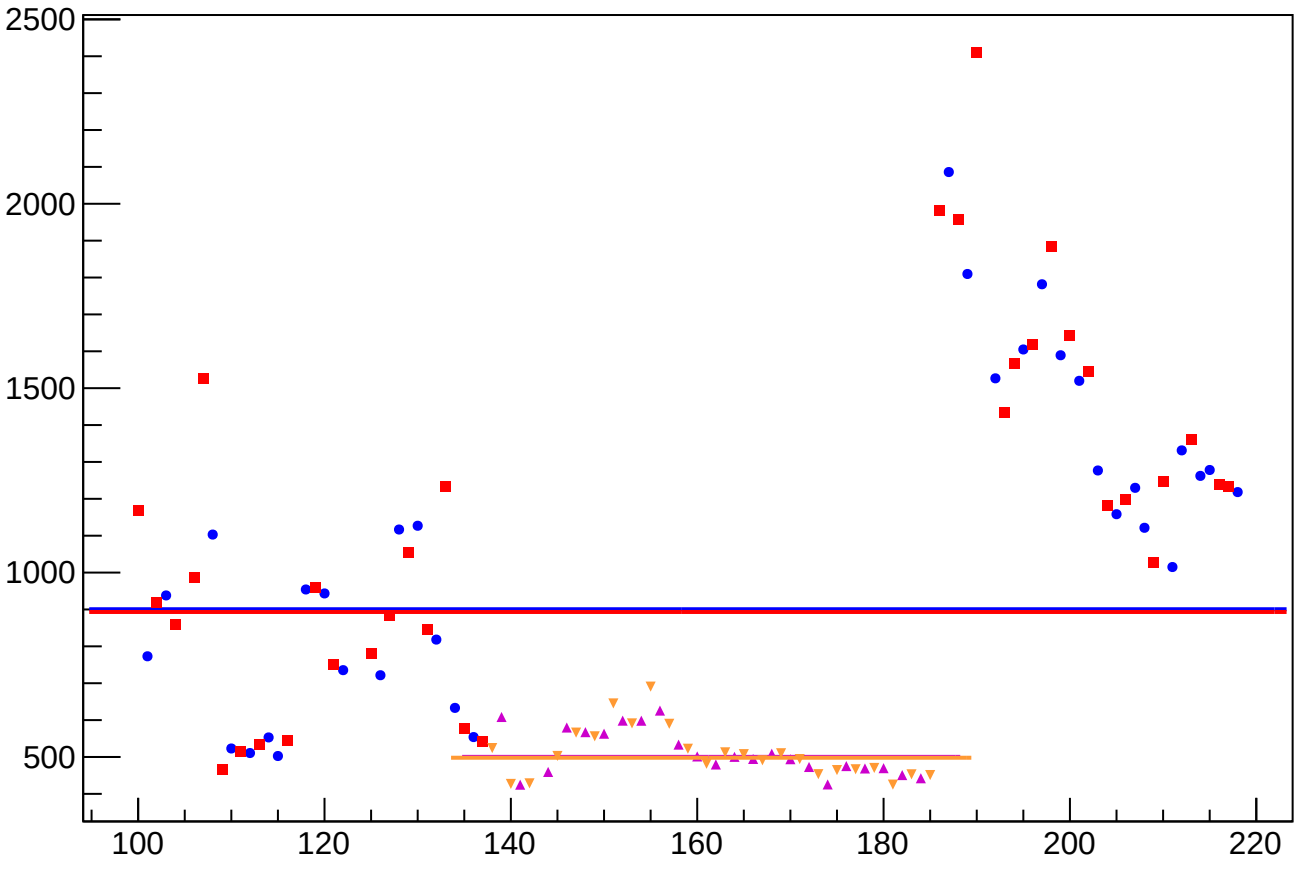
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: -8.120+/-153.443 χ^2/NDF: 105.6/65

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

Out: -184.074+/-102.874 χ^2/NDF:119.0/57

All: -152.433+/-72.945 χ^2/NDF: 210.3/112



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: 893.197+/-0.154 χ^2/NDF: 6652568.5/33

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

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

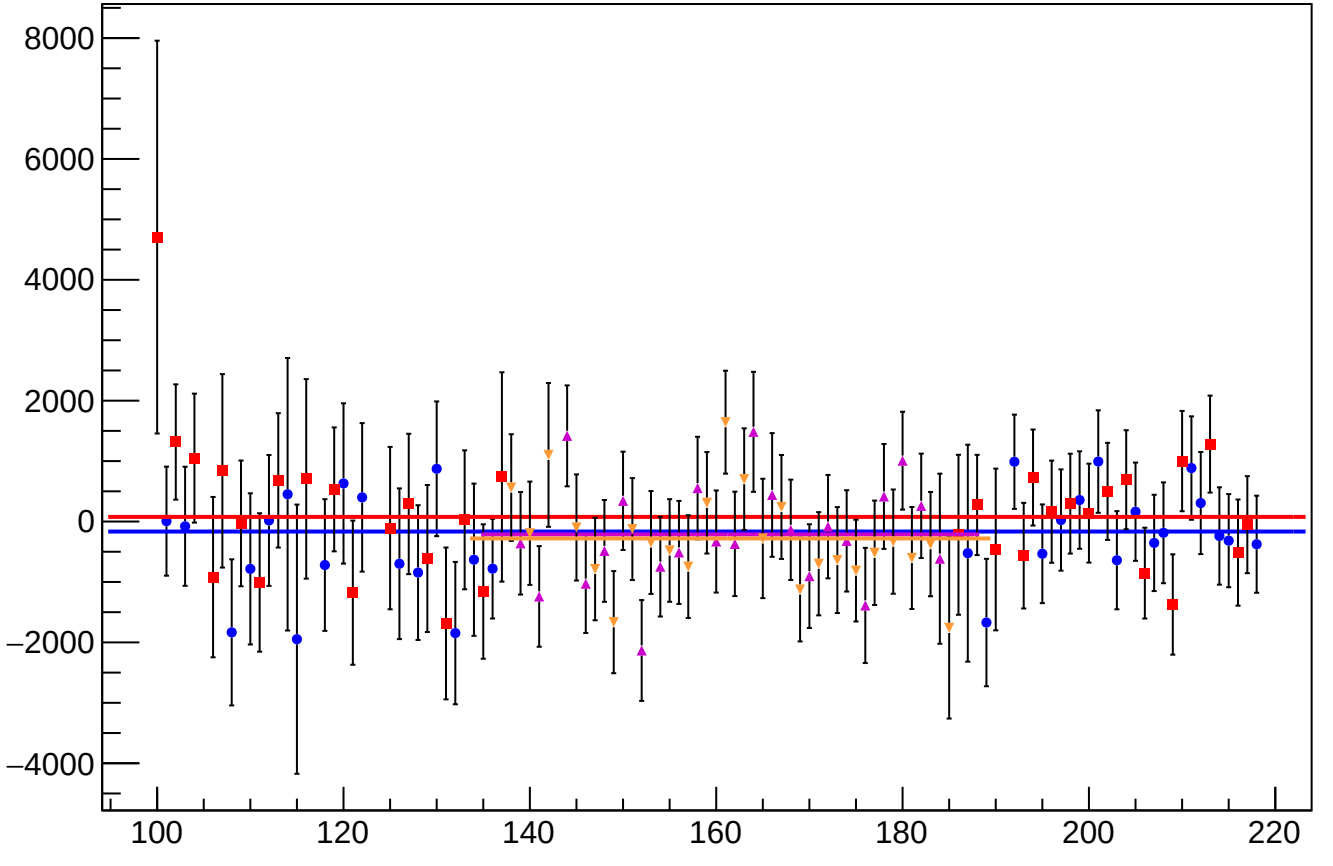
Right: 896.930+/-0.109 χ^2/NDF: 12069380.2/65

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

Out: 586.133+/-0.073 χ^2/NDF:12295812.9/57

All: 589.026+/-0.052 χ^2/NDF: 23478657.6/11

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: 76.676+/-171.511 χ^2/NDF: 22.7/33

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

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

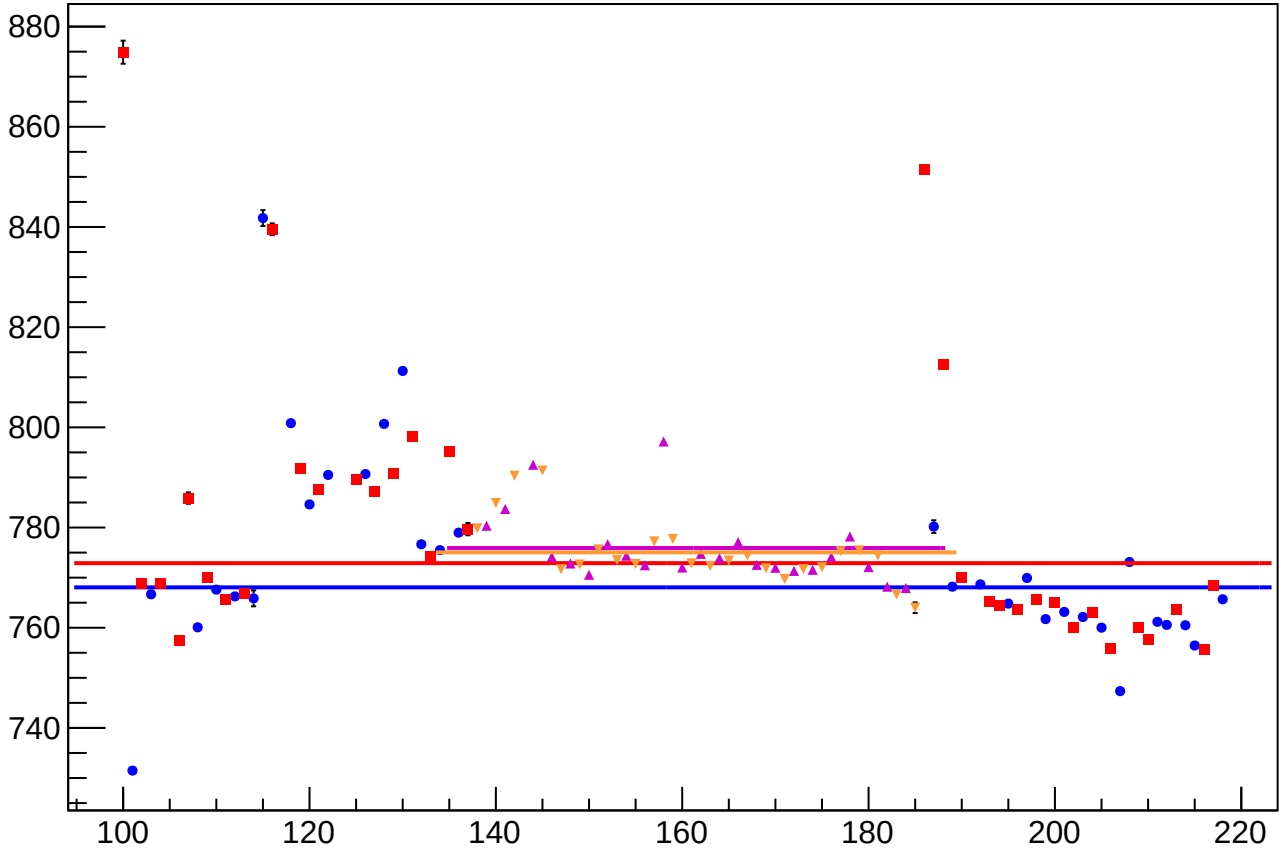
Right: -44.983+/-121.038 χ^2/NDF: 40.9/65

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

Out: -93.344+/-124.130 χ^2/NDF:40.8/57

All: -140.689+/-87.831 χ^2/NDF: 80.7/112

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: 772.897+/-0.121 χ^2/NDF: 26215.3/33

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

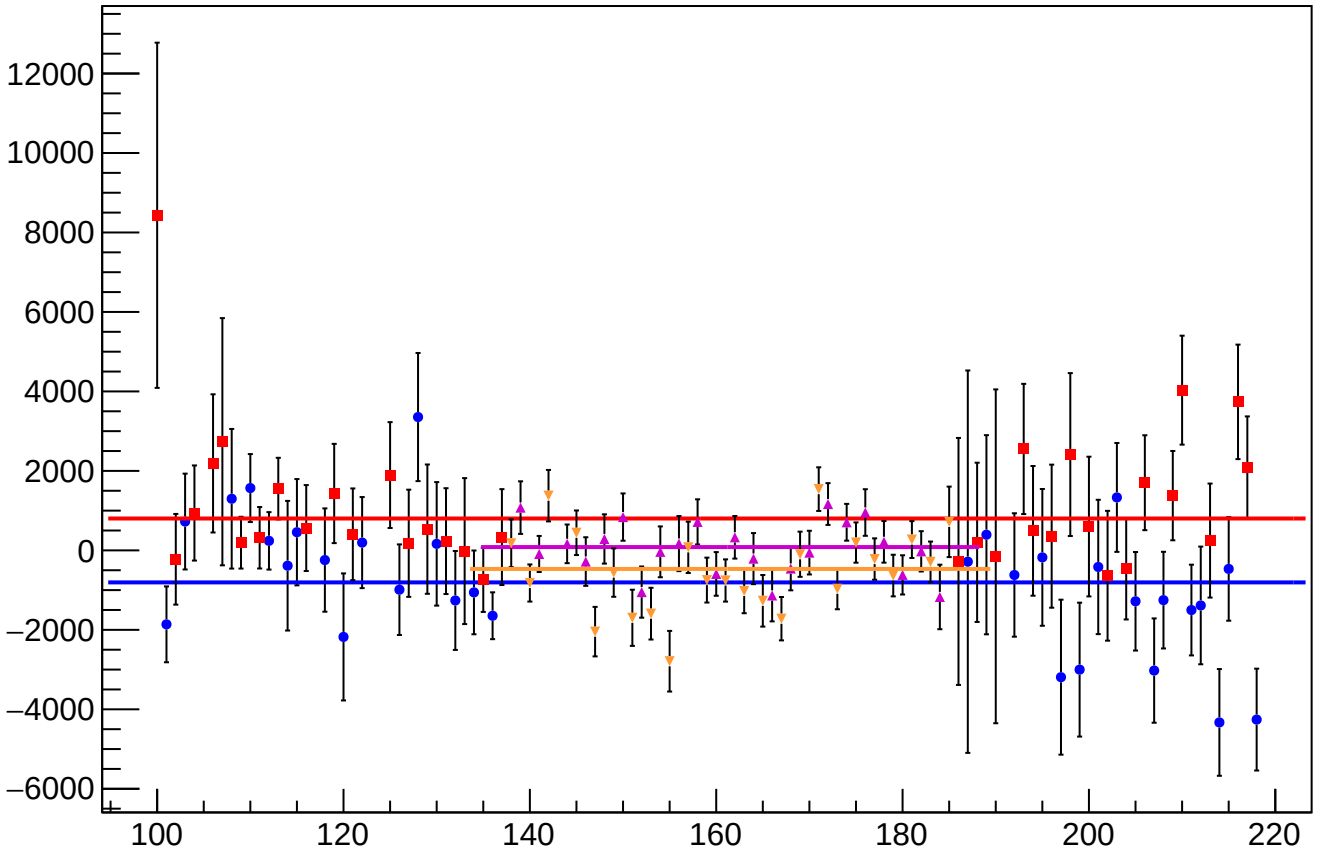
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 770.470+/-0.086 χ^2/NDF: 44266.3/65

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

Out: 773.922+/-0.088 χ^2/NDF:28316.6/57

All: 772.843+/-0.062 χ^2/NDF: 50838.1/112



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: 801.814+/-217.811 χ^2/NDF: 28.2/33

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

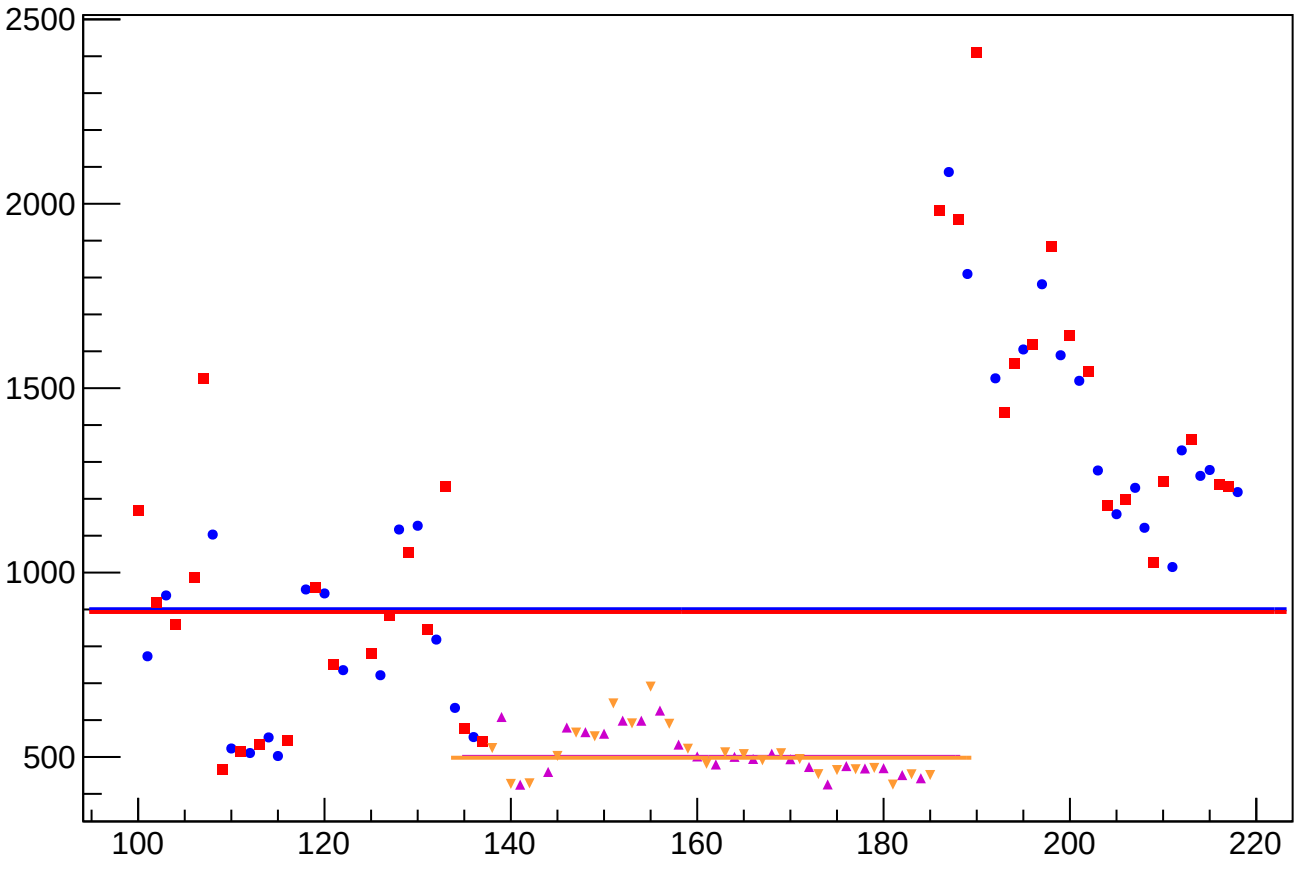
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: -8.120+/-153.443 χ^2/NDF: 105.6/65

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

Out: -184.074+/-102.874 χ^2/NDF:119.0/57

All: -152.433+/-72.945 χ^2/NDF: 210.3/112



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: 893.197+/-0.154 χ^2/NDF: 6652568.5/33

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

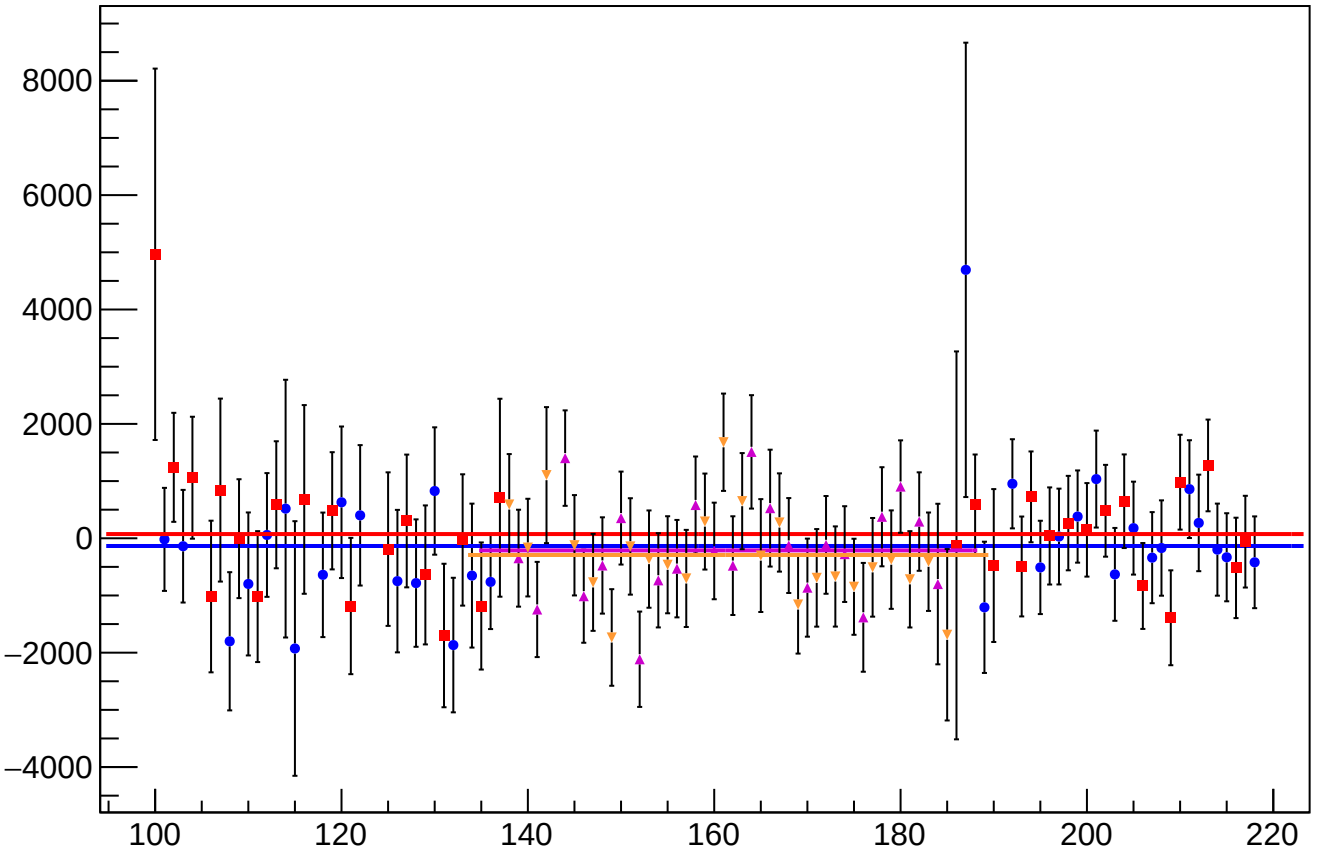
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 896.930+/-0.109 χ^2/NDF: 12069380.2/65

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

Out: 586.133+/-0.073 χ^2/NDF:12295812.9/57

All: 589.026+/-0.052 χ^2/NDF: 23478657.6/11



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: 73.872+/-173.011 χ^2/NDF: 22.8/33

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

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

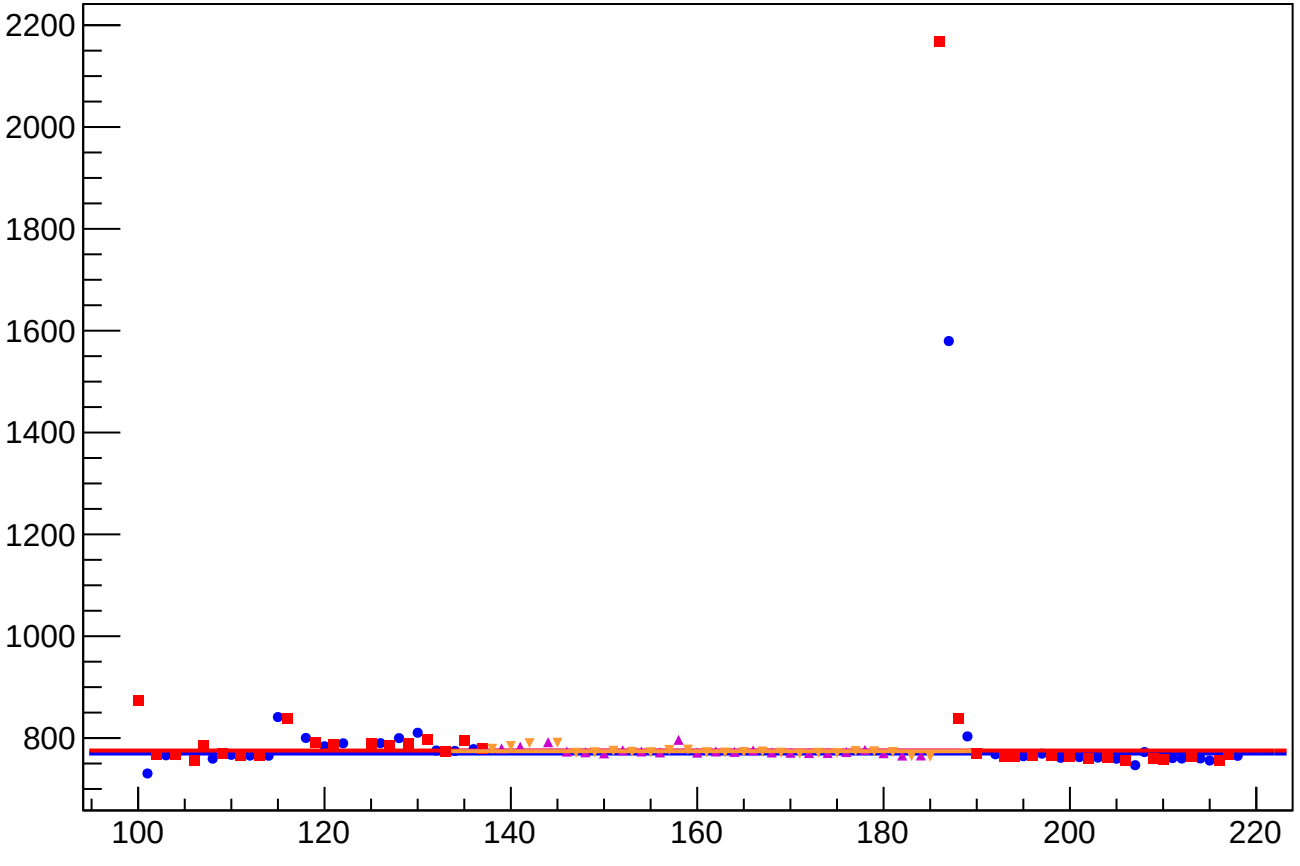
Right: -31.272+/-121.860 χ^2/NDF: 40.7/65

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

Out: -102.175+/-124.625 χ^2/NDF:41.6/57

All: -136.613+/-88.093 χ^2/NDF: 81.1/112

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: 775.488+/-0.122 χ^2/NDF: 363566.5/33

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

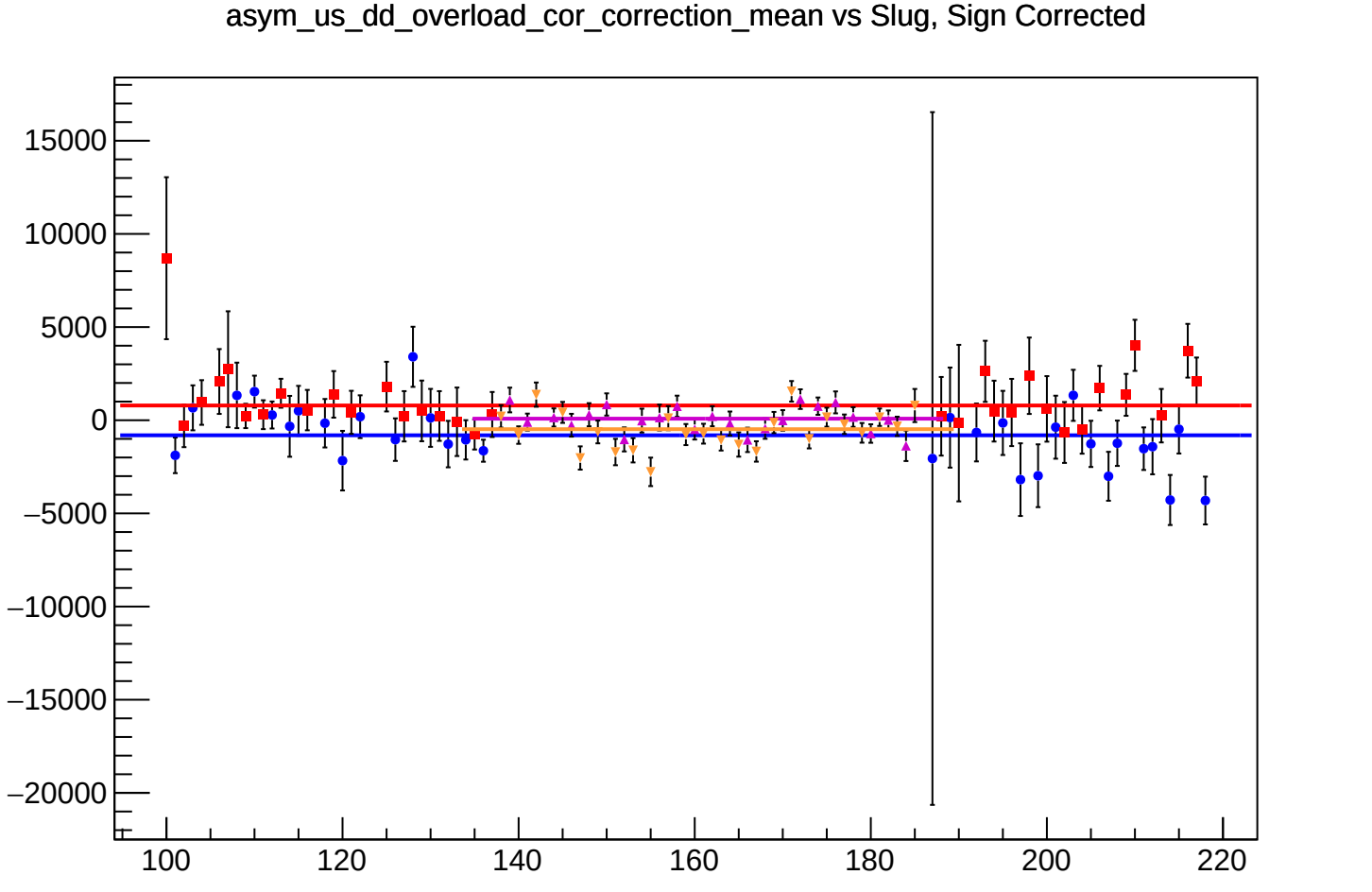
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 772.526+/-0.086 χ^2/NDF: 467153.6/65

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

Out: 774.840+/-0.088 χ^2/NDF:365685.1/57

All: 773.498+/-0.062 χ^2/NDF: 472651.0/112



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: 791.612+/-218.726 χ^2/NDF: 28.1/32

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

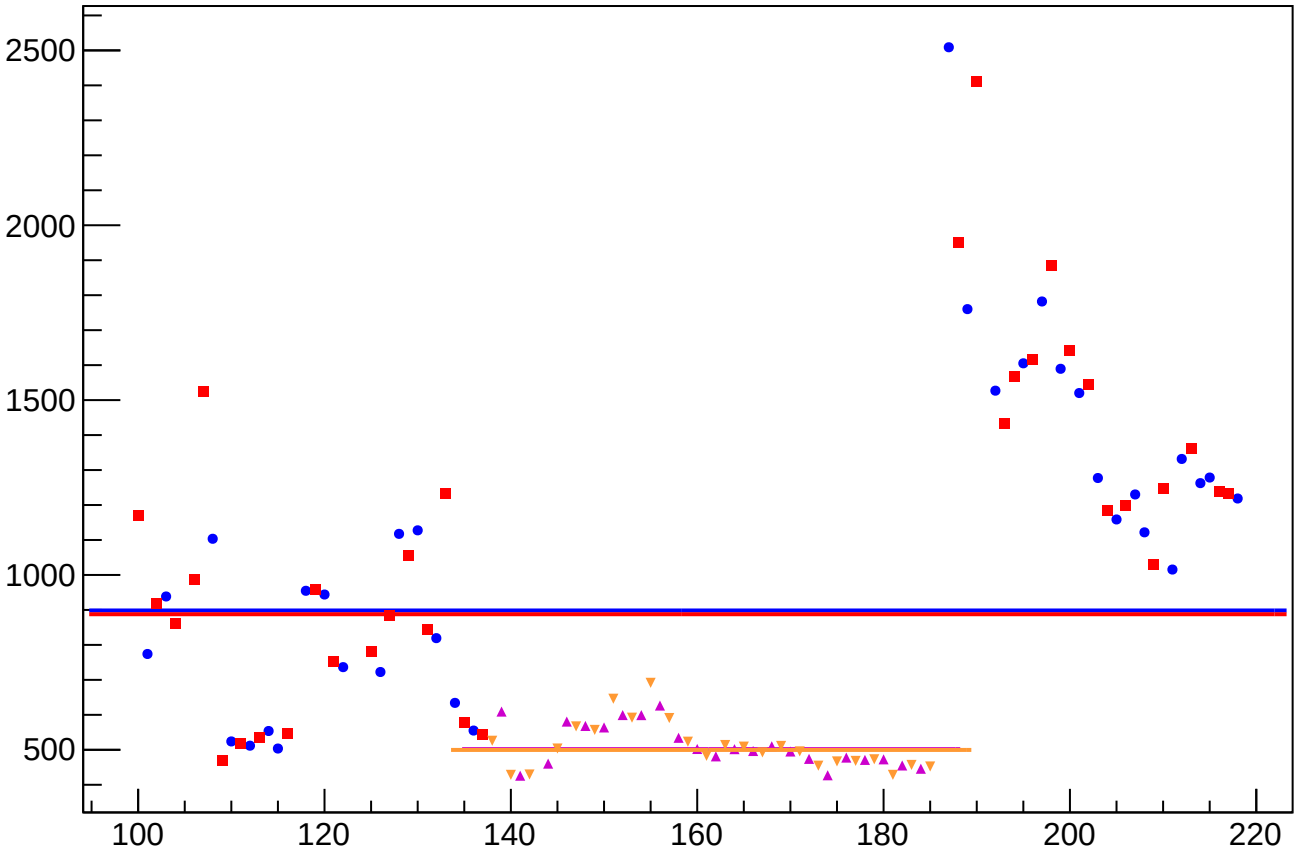
Left: -201.704+/-83.183 χ^2/NDF: 103.3/46

Right: -15.472+/-153.955 χ^2/NDF: 105.0/64

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

Out: -197.773+/-103.230 χ^2/NDF:117.9/56

All: -159.621+/-73.184 χ^2/NDF: 209.4/111



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: 887.686+/-0.155 χ^2/NDF: 6318152.8/32

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

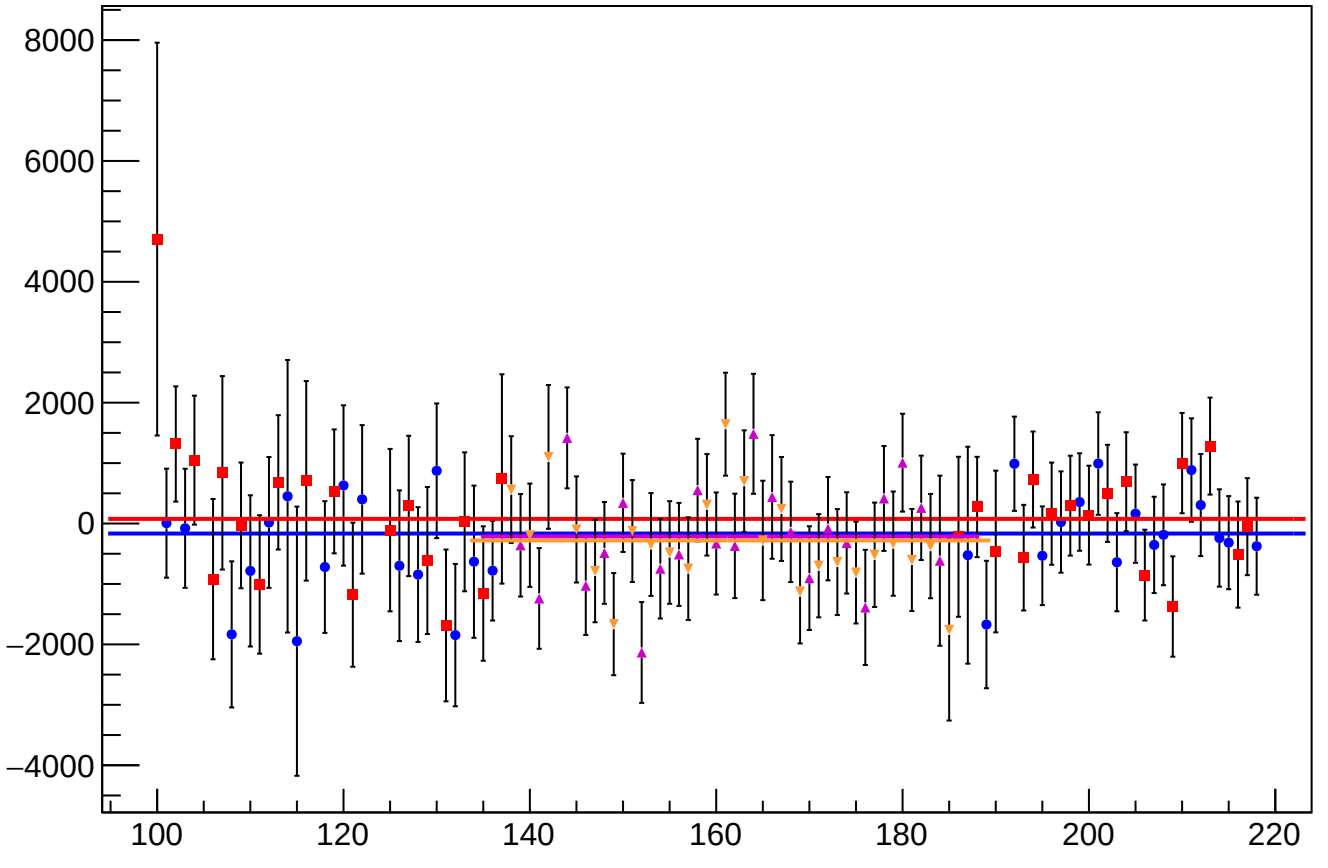
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

Right: 893.100+/-0.109 χ^2/NDF: 11553232.2/64

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

Out: 586.100+/-0.073 χ^2/NDF:11726525.6/56

All: 589.476+/-0.052 χ^2/NDF: 22587227.7/11



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: 76.676+/-171.511 χ^2/NDF: 22.7/33

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

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

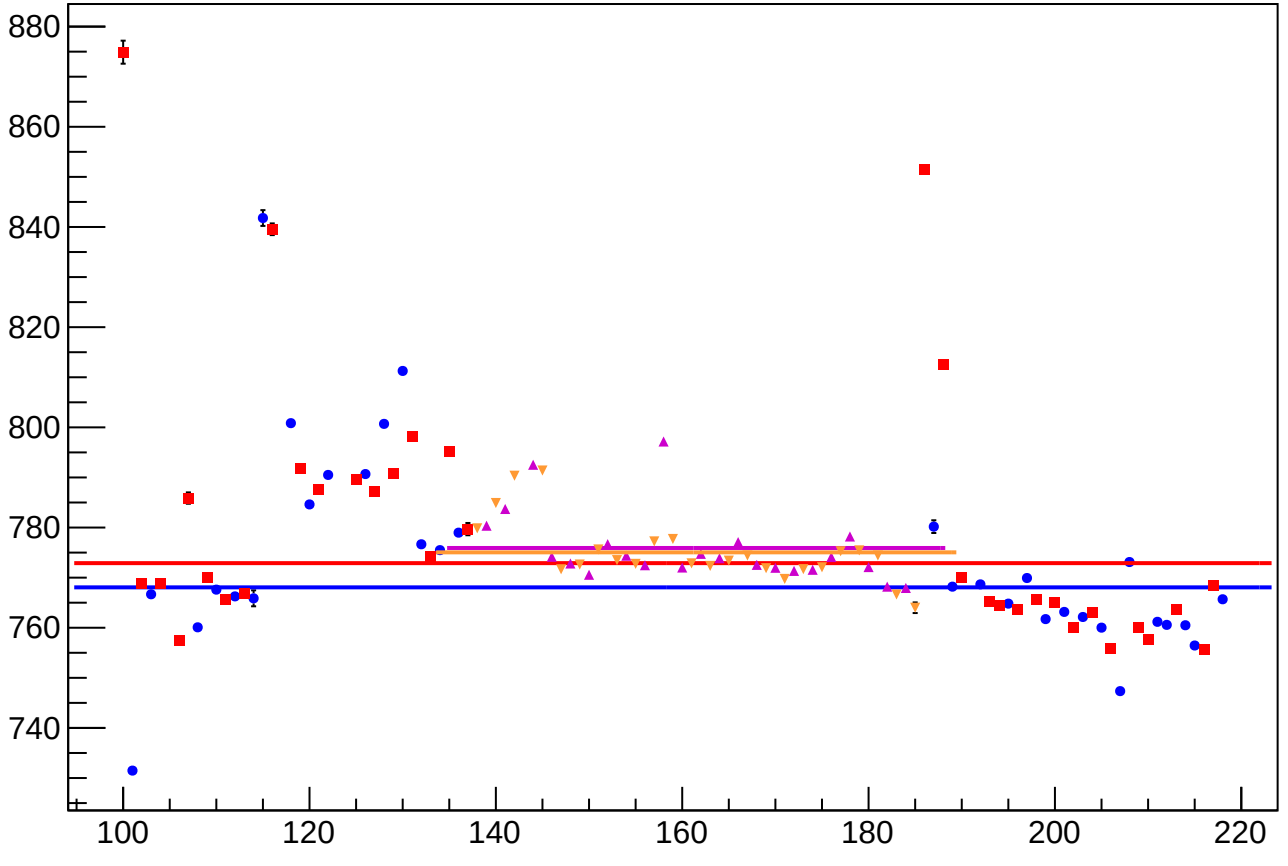
Right: -44.983+/-121.038 χ^2/NDF: 40.9/65

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

Out: -93.344+/-124.130 χ^2/NDF:40.8/57

All: -140.689+/-87.831 χ^2/NDF: 80.7/112

eigen_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: 772.897+/-0.121 χ^2/NDF: 26215.3/33

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

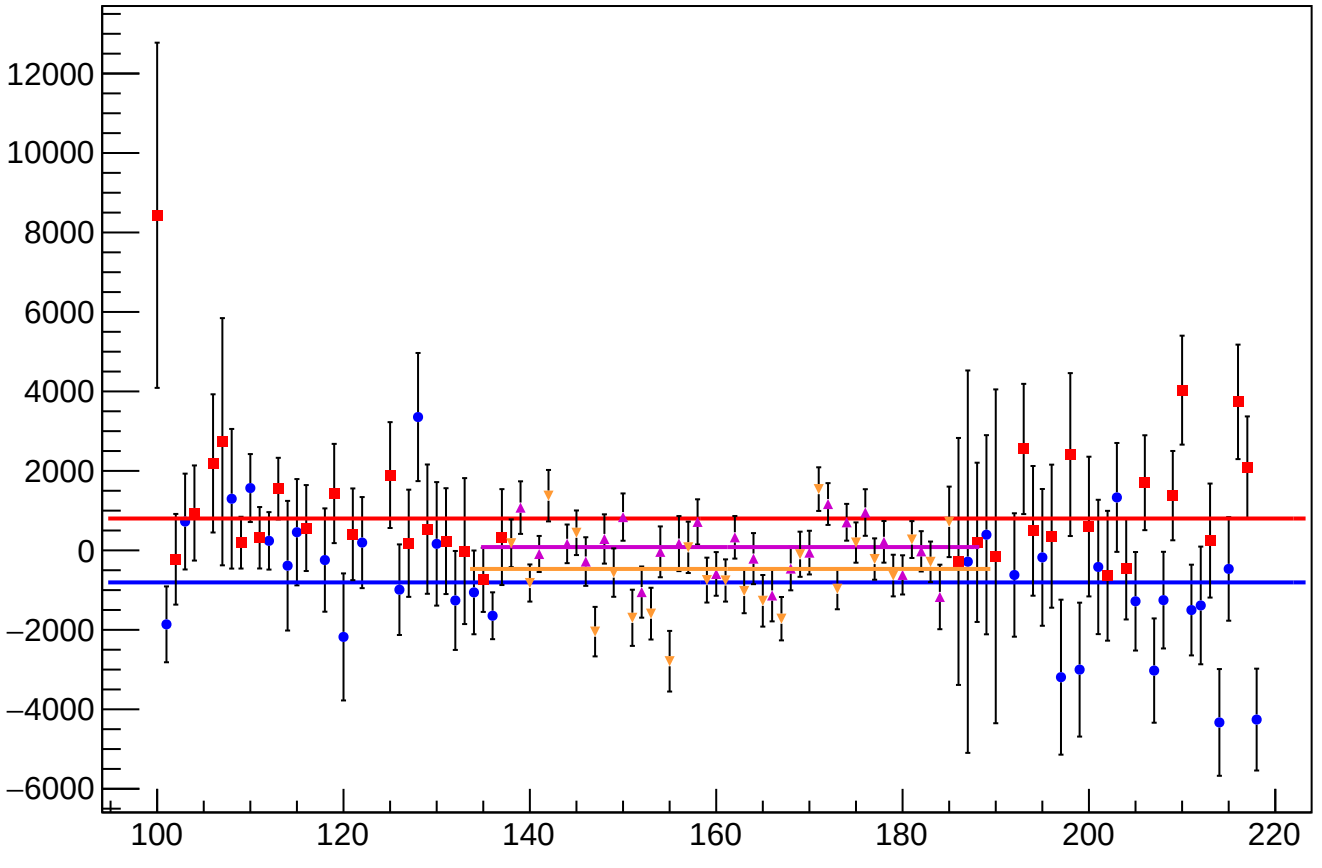
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 770.470+/-0.086 χ^2/NDF: 44266.3/65

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

Out: 773.922+/-0.088 χ^2/NDF:28316.6/57

All: 772.843+/-0.062 χ^2/NDF: 50838.1/112



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: 801.814+/-217.811 χ^2/NDF: 28.2/33

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

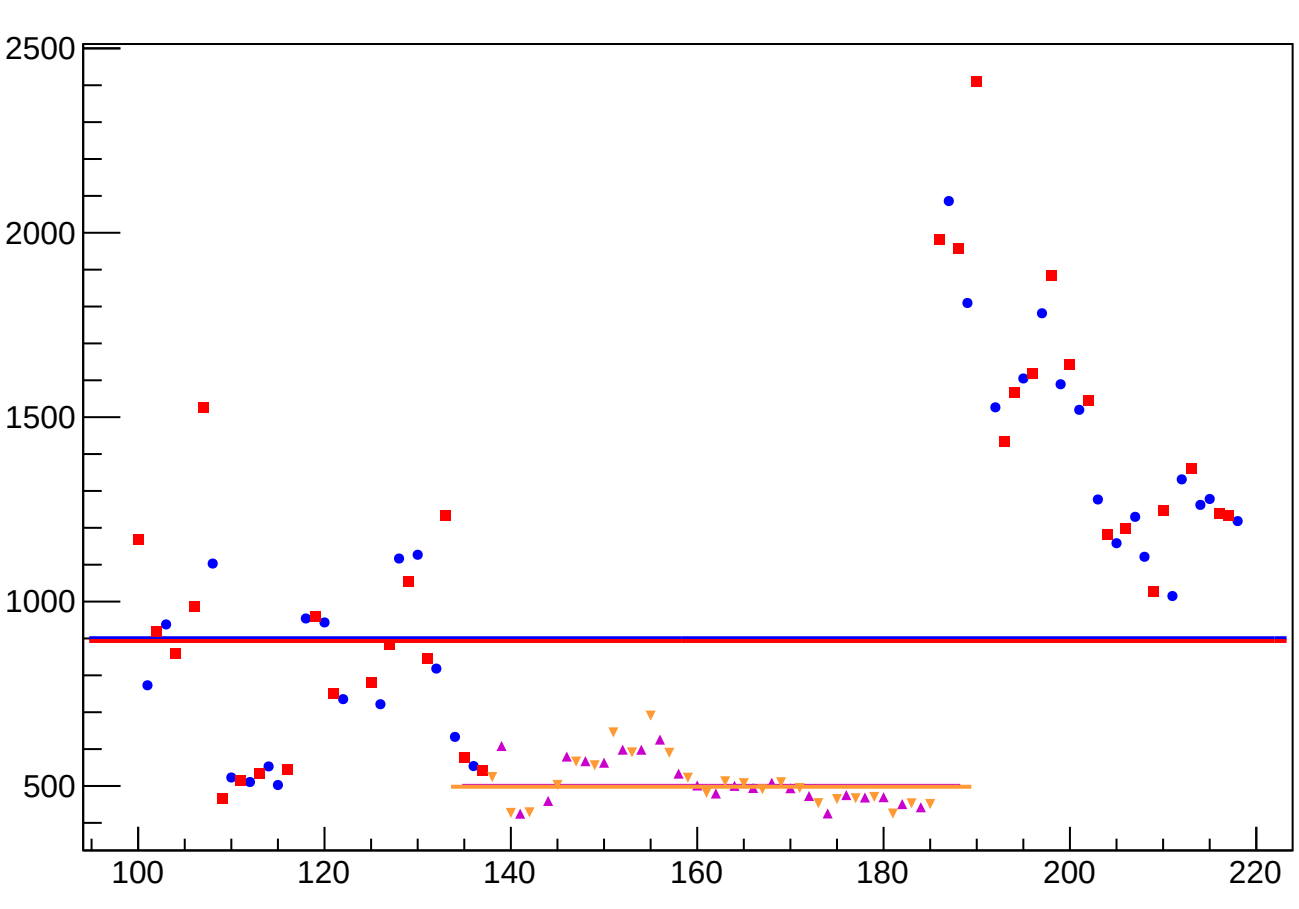
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: -8.120+/-153.443 χ^2/NDF: 105.6/65

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

Out: -184.074+/-102.874 χ^2/NDF:119.0/57

All: -152.433+/-72.945 χ^2/NDF: 210.3/112



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: 893.197+/-0.154 χ^2/NDF: 6652568.5/33

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

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

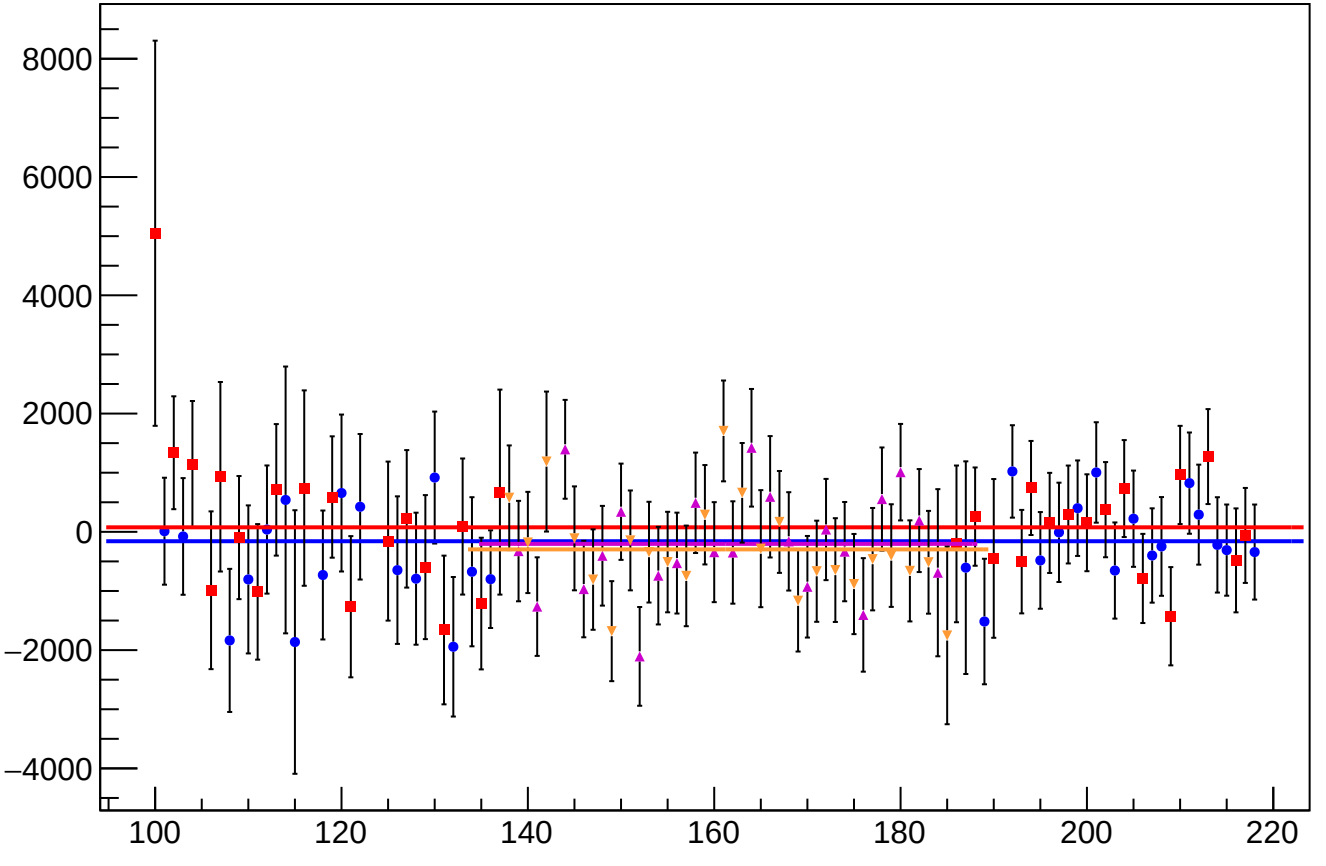
Right: 896.930+/-0.109 χ^2/NDF: 12069380.2/65

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

Out: 586.133+/-0.073 χ^2/NDF:12295812.9/57

All: 589.026+/-0.052 χ^2/NDF: 23478657.6/11

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: 76.608+/-171.710 χ^2/NDF: 23.3/33

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

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

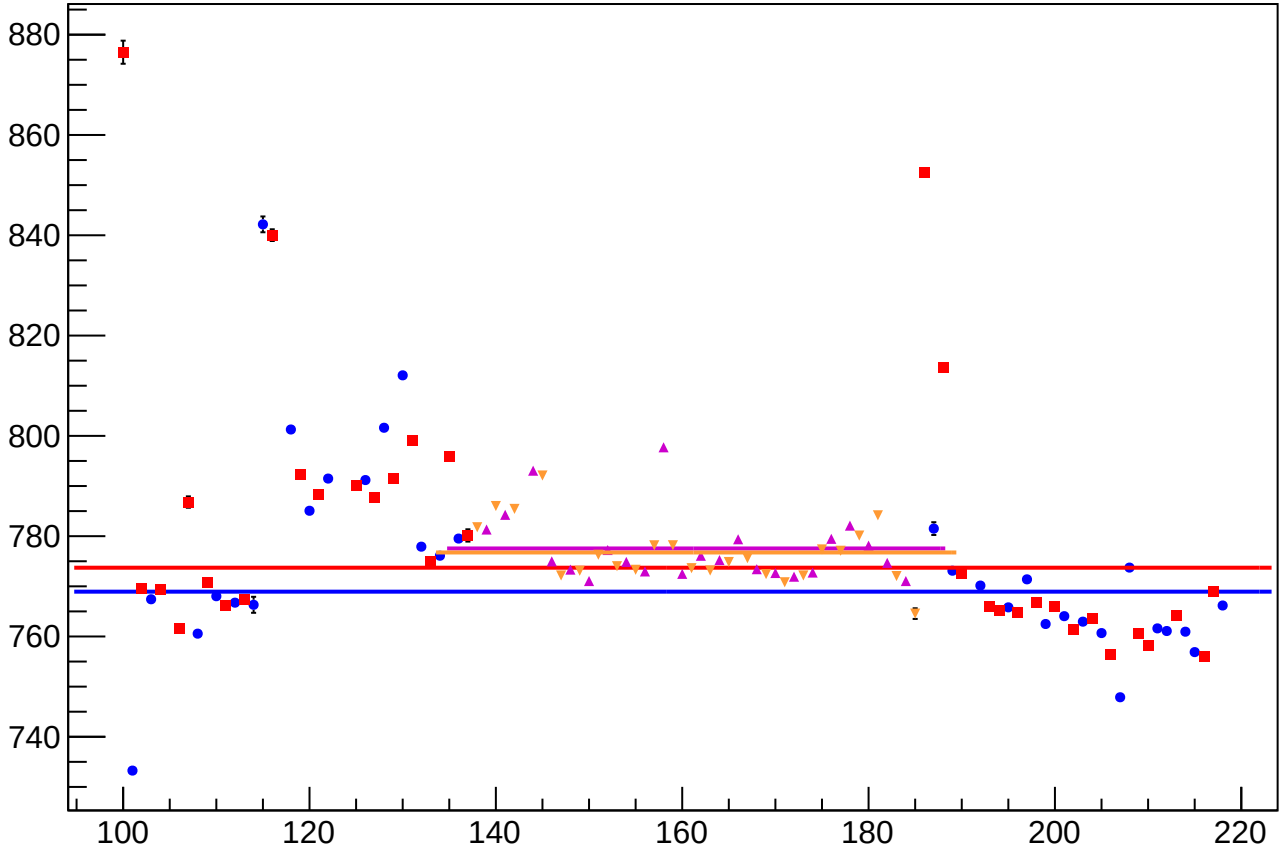
Right: -41.479+/-121.178 χ^2/NDF: 41.4/65

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

Out: -100.996+/-124.337 χ^2/NDF:42.2/57

All: -140.278+/-87.974 χ^2/NDF: 81.8/112

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: 773.713+/-0.121 χ^2/NDF: 26167.1/33

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

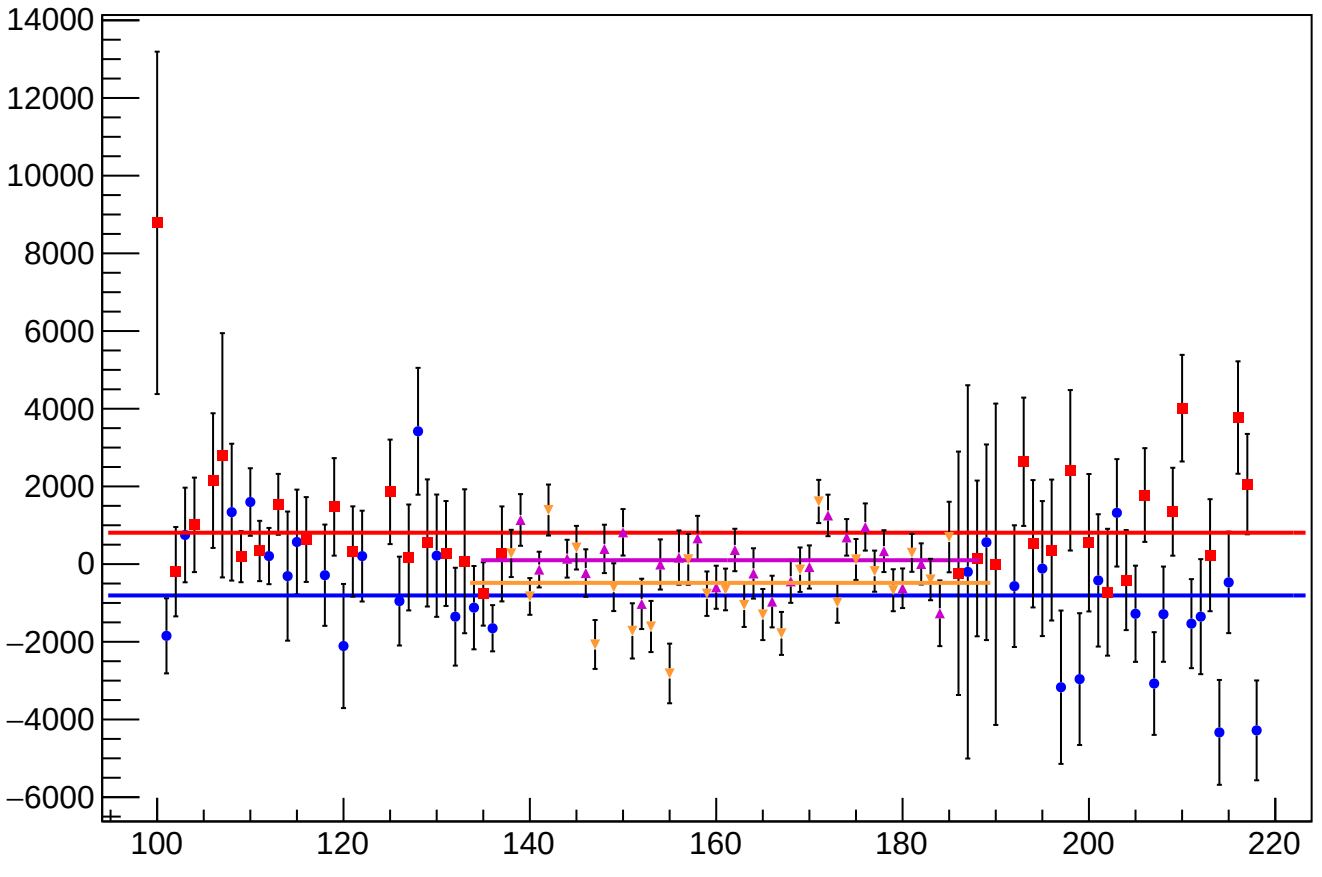
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 771.315+/-0.086 χ^2/NDF: 44080.6/65

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

Out: 775.158+/-0.088 χ^2/NDF:28291.1/57

All: 774.074+/-0.062 χ^2/NDF: 50868.2/112



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: 808.365+/-219.530 χ^2/NDF: 28.4/33

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

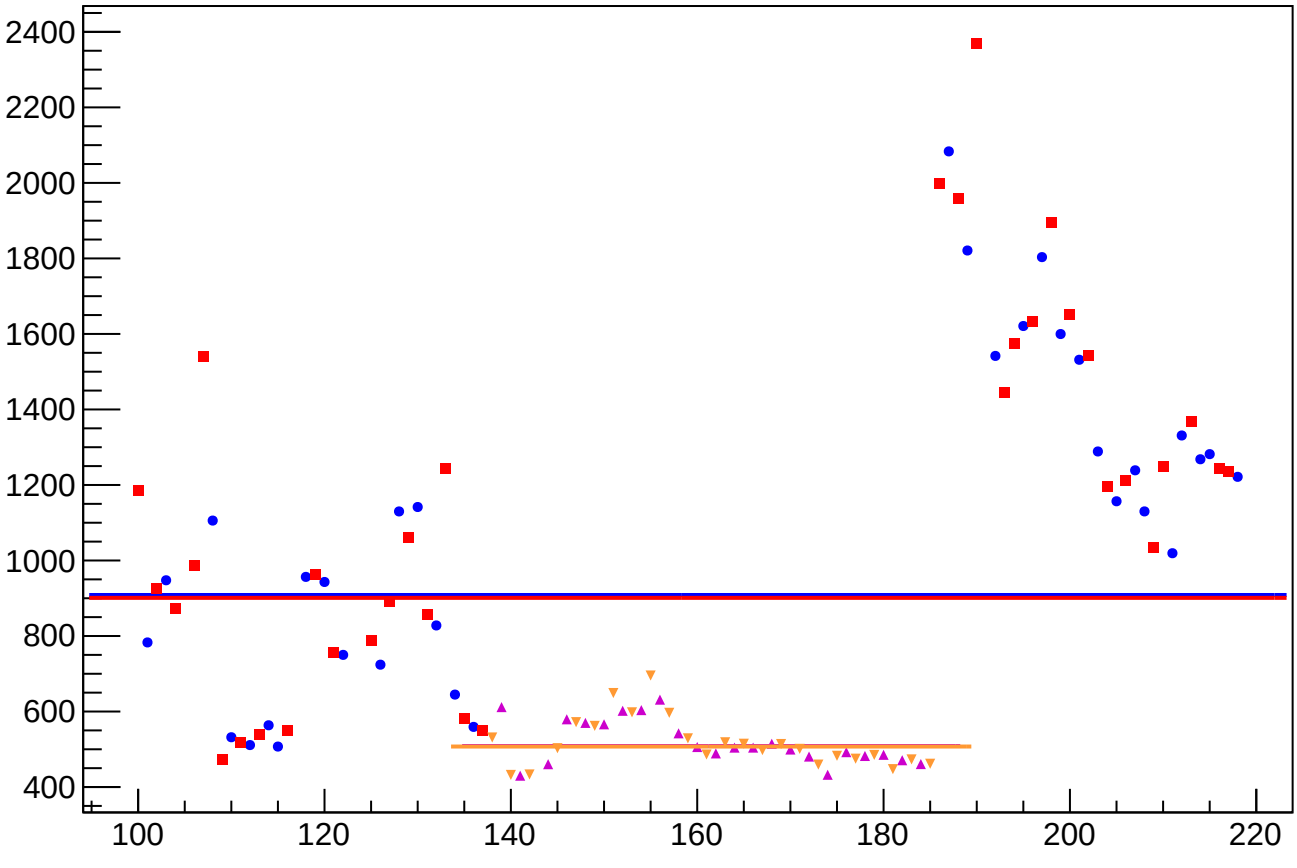
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: -5.004+/-154.682 χ^2/NDF: 105.6/65

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

Out: -190.377+/-104.486 χ^2/NDF:120.2/57

All: -150.385+/-74.031 χ^2/NDF: 211.2/112



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: 901.051+/-0.155 χ^2/NDF: 6597275.0/33

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

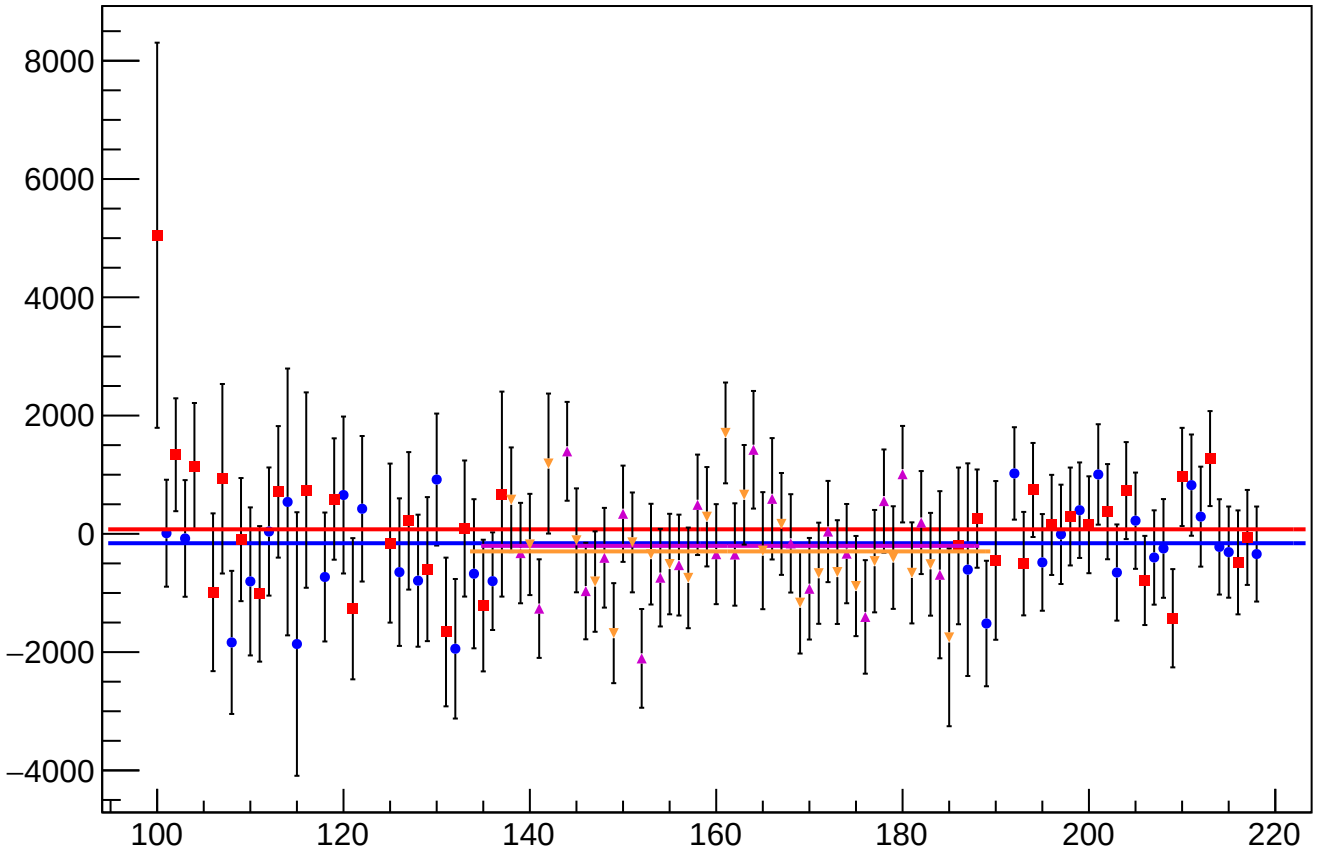
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 904.867+/-0.109 χ^2/NDF: 11973835.5/65

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

Out: 596.512+/-0.074 χ^2/NDF:12047342.7/57

All: 598.885+/-0.052 χ^2/NDF: 23031604.6/11



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: 76.606+/-171.710 χ^2/NDF: 23.3/33

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

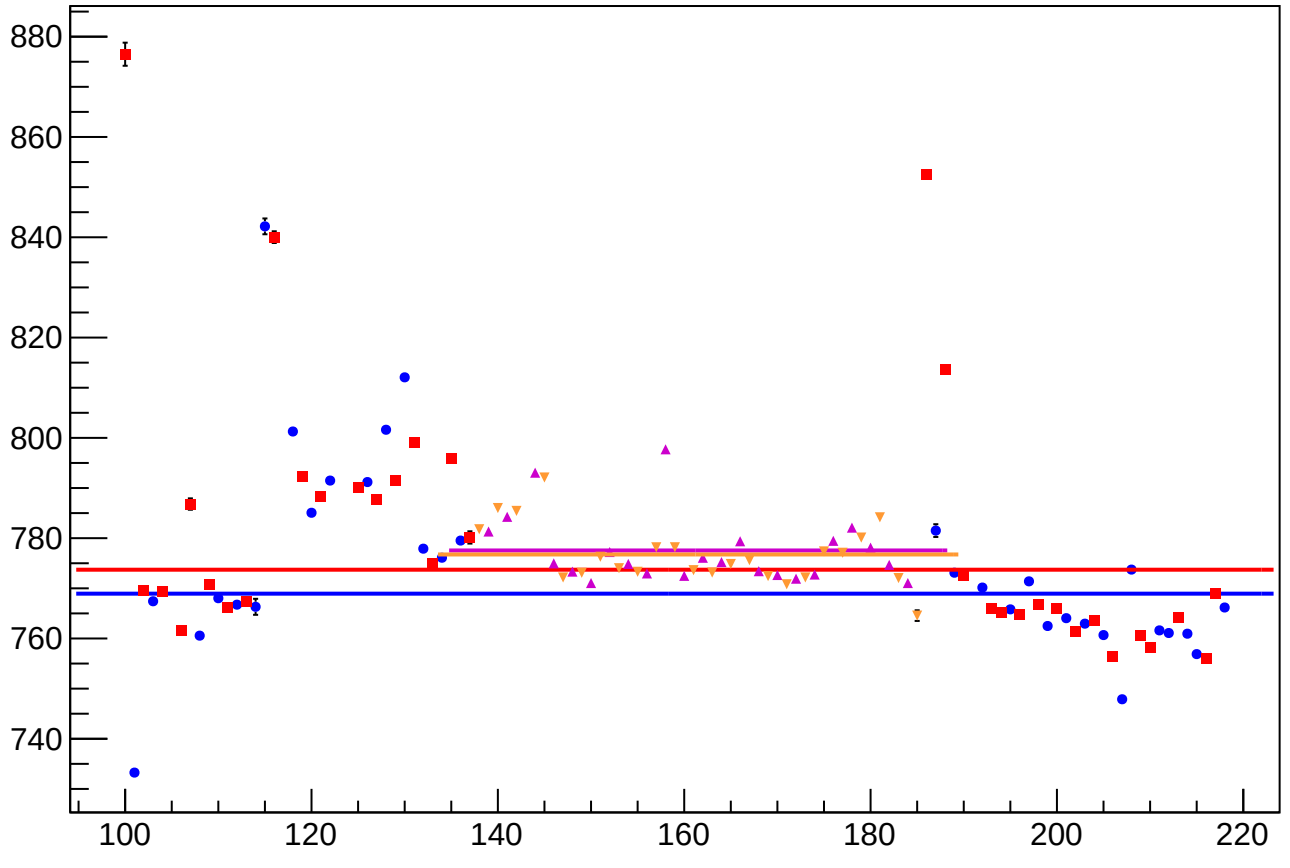
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -41.481+/-121.178 χ^2/NDF: 41.4/65

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

Out: -100.997+/-124.337 χ^2/NDF:42.2/57

All: -140.278+/-87.974 χ^2/NDF: 81.8/112



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: 773.713+/-0.121 χ^2/NDF: 26167.1/33

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

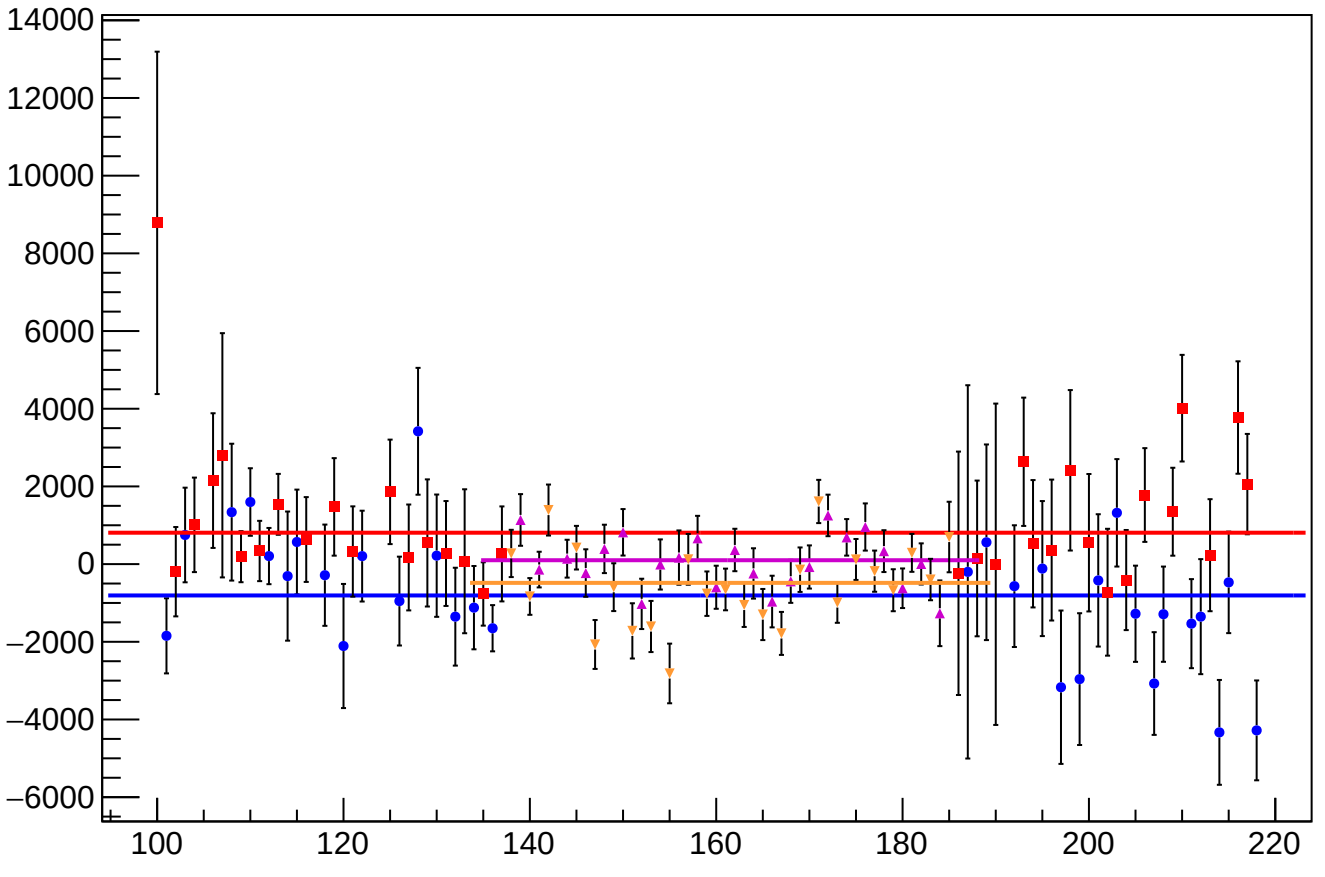
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 771.315+/-0.086 χ^2/NDF: 44080.5/65

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

Out: 775.158+/-0.088 χ^2/NDF:28291.1/57

All: 774.074+/-0.062 χ^2/NDF: 50868.1/112



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: 808.362+/-219.529 χ^2/NDF: 28.4/33

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

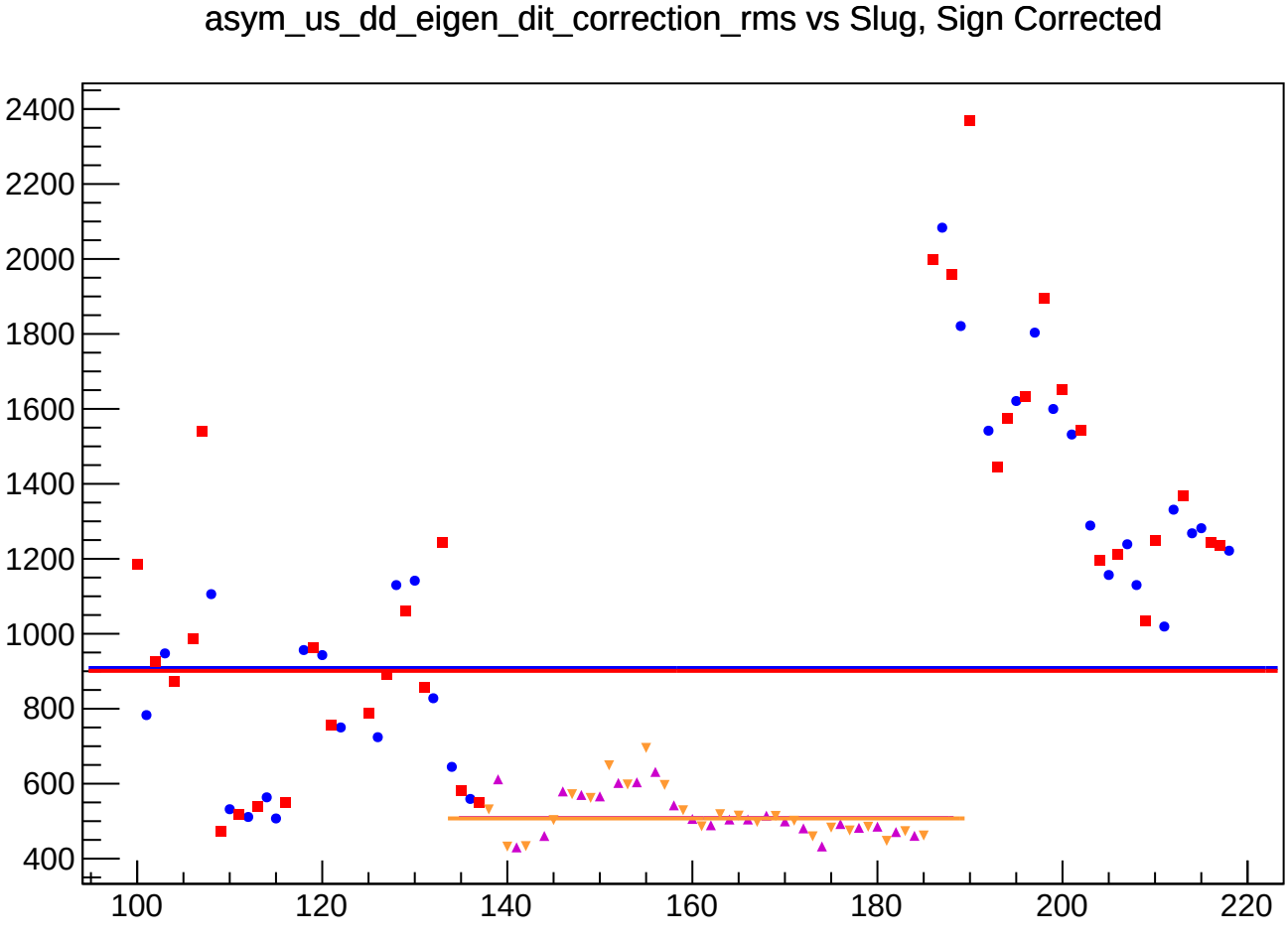
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: -5.002+/-154.682 χ^2/NDF: 105.6/65

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

Out: -190.376+/-104.486 χ^2/NDF:120.2/57

All: -150.384+/-74.031 χ^2/NDF: 211.2/112



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: 901.047+/-0.155 χ^2/NDF: 6597349.0/33

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

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

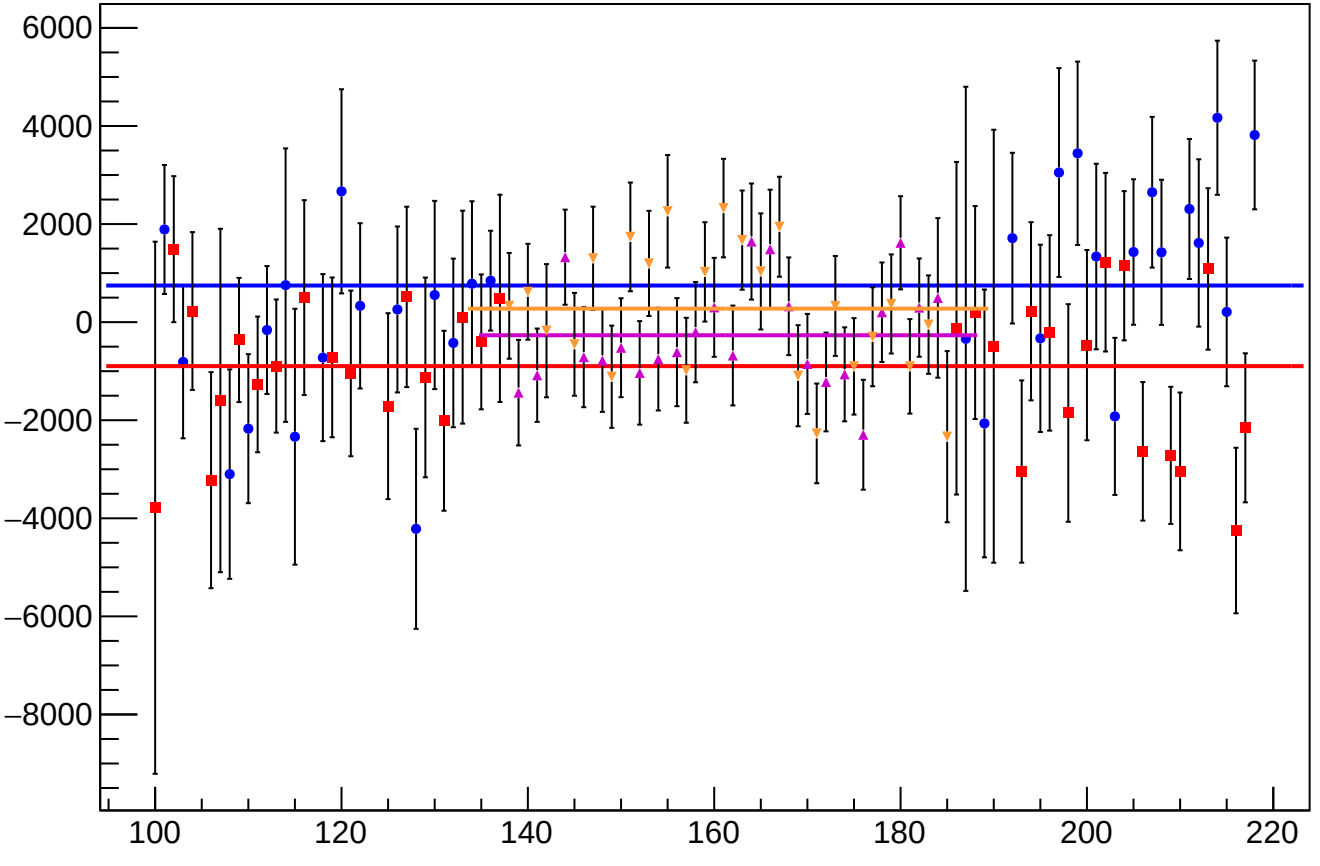
Right: 904.863+/-0.109 χ^2/NDF: 11973986.4/65

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

Out: 596.511+/-0.074 χ^2/NDF:12047355.5/57

All: 598.885+/-0.052 χ^2/NDF: 23031645.2/11

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: -897.097+/-303.558 χ^2/NDF: 23.8/33

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

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

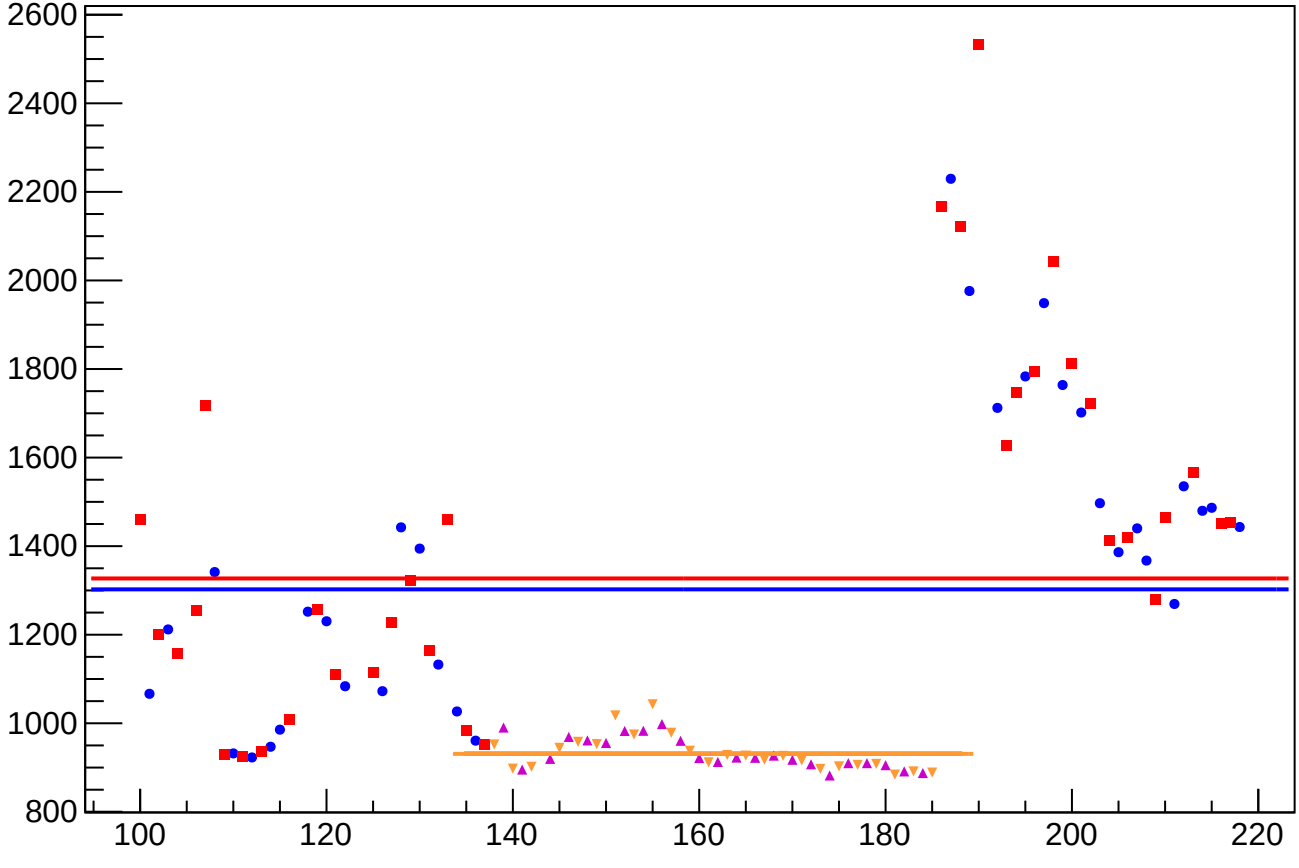
Right: -56.906+/-212.244 χ^2/NDF: 77.7/65

In: 87.413+/-175.548 χ^2/NDF:67.9/54

Out: -119.559+/-176.149 χ^2/NDF:67.3/57

All: -15.719+/-124.343 χ^2/NDF: 135.9/112

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: 1327.052+/-0.215 χ^2/NDF: 2262481.1/33

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

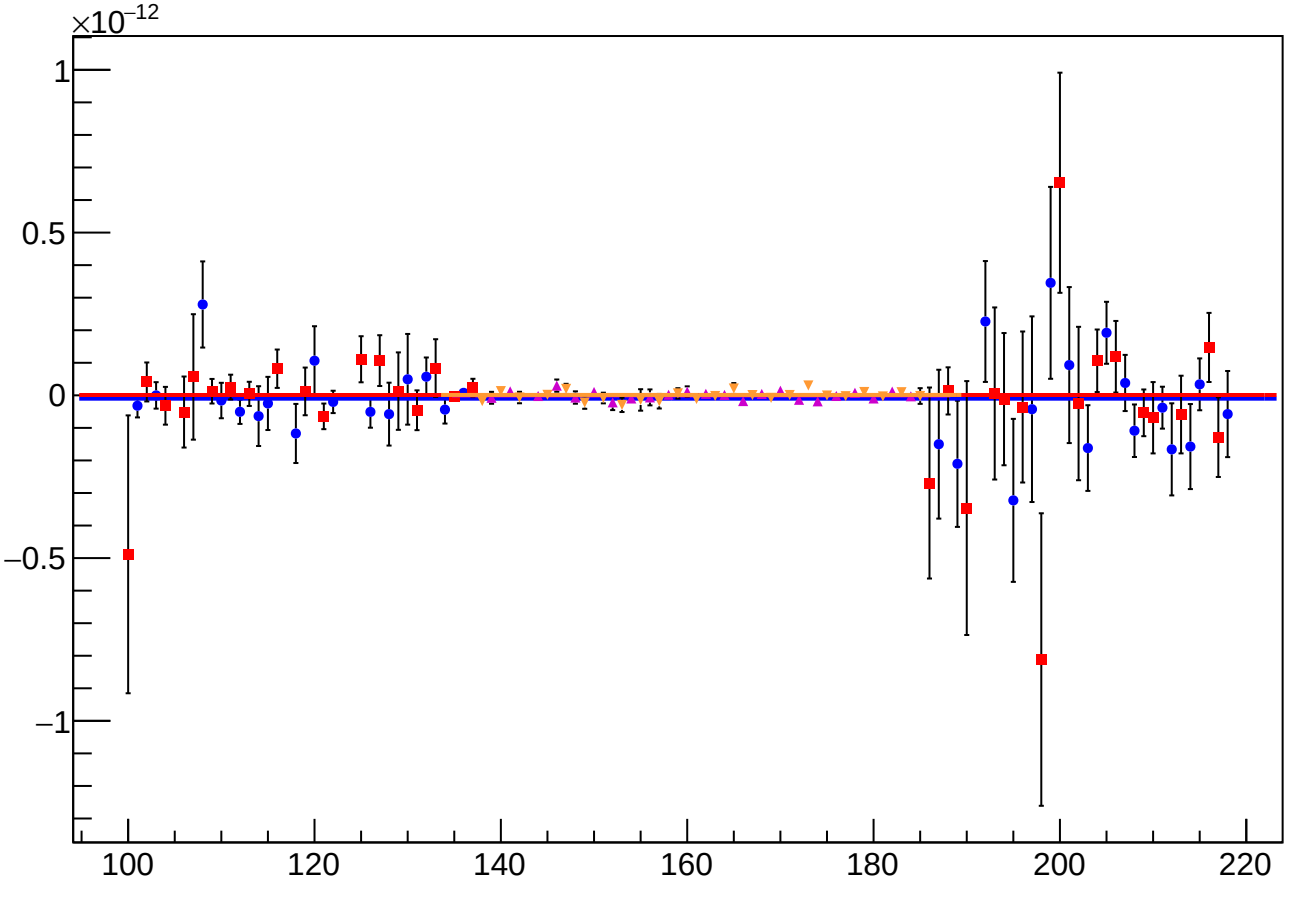
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1314.462+/-0.150 χ^2/NDF: 4064367.1/65

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

Out: 1064.310+/-0.125 χ^2/NDF:4583420.2/57

All: 1062.770+/-0.088 χ^2/NDF: 8457573.1/11



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: 29.6/33

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

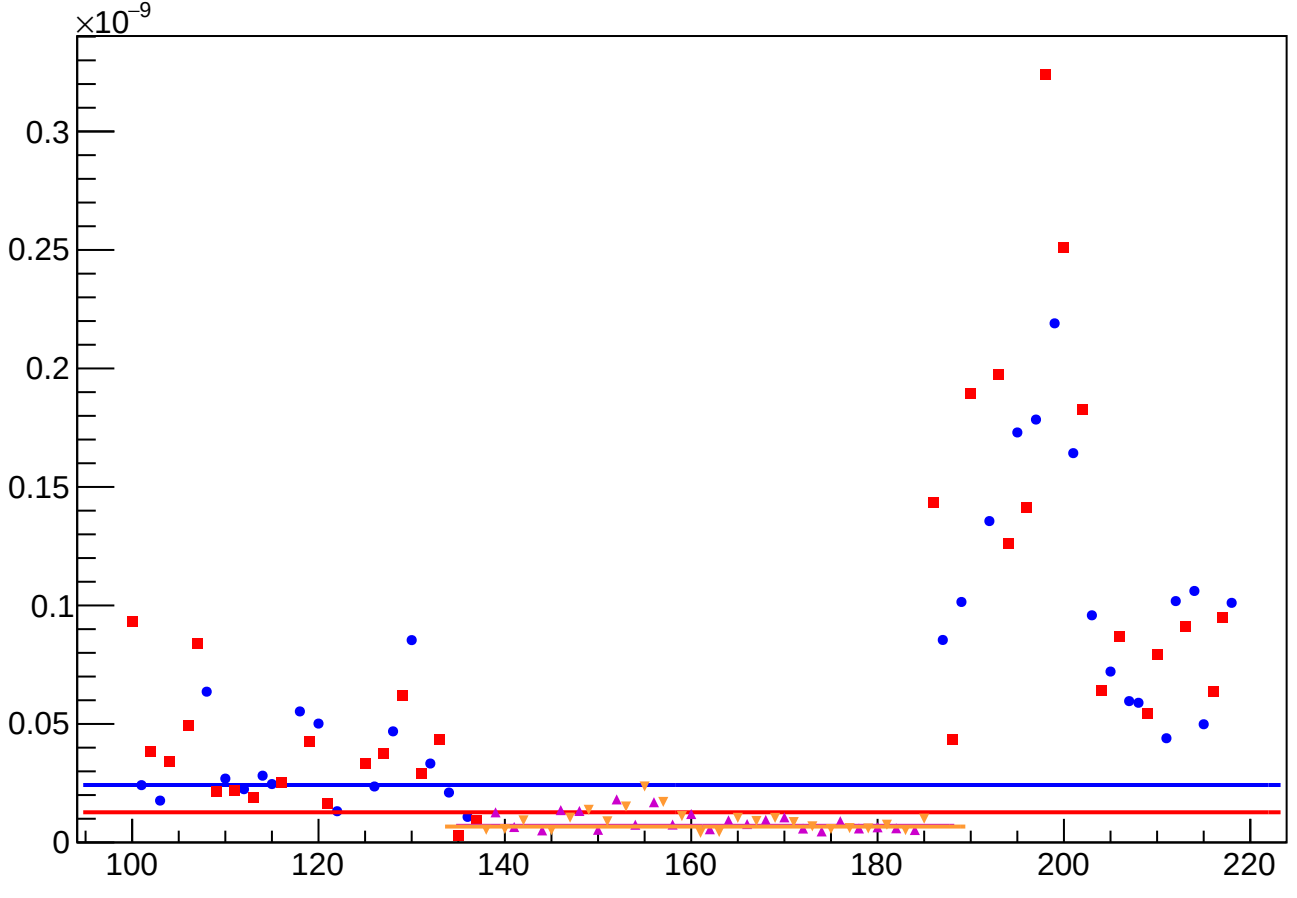
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 61.4/65

In: -0.000+/-0.000 χ^2/NDF:54.0/54

Out: 0.000+/-0.000 χ^2/NDF:55.3/57

All: 0.000+/-0.000 χ^2/NDF: 109.7/112



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: 17077998.0/33

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

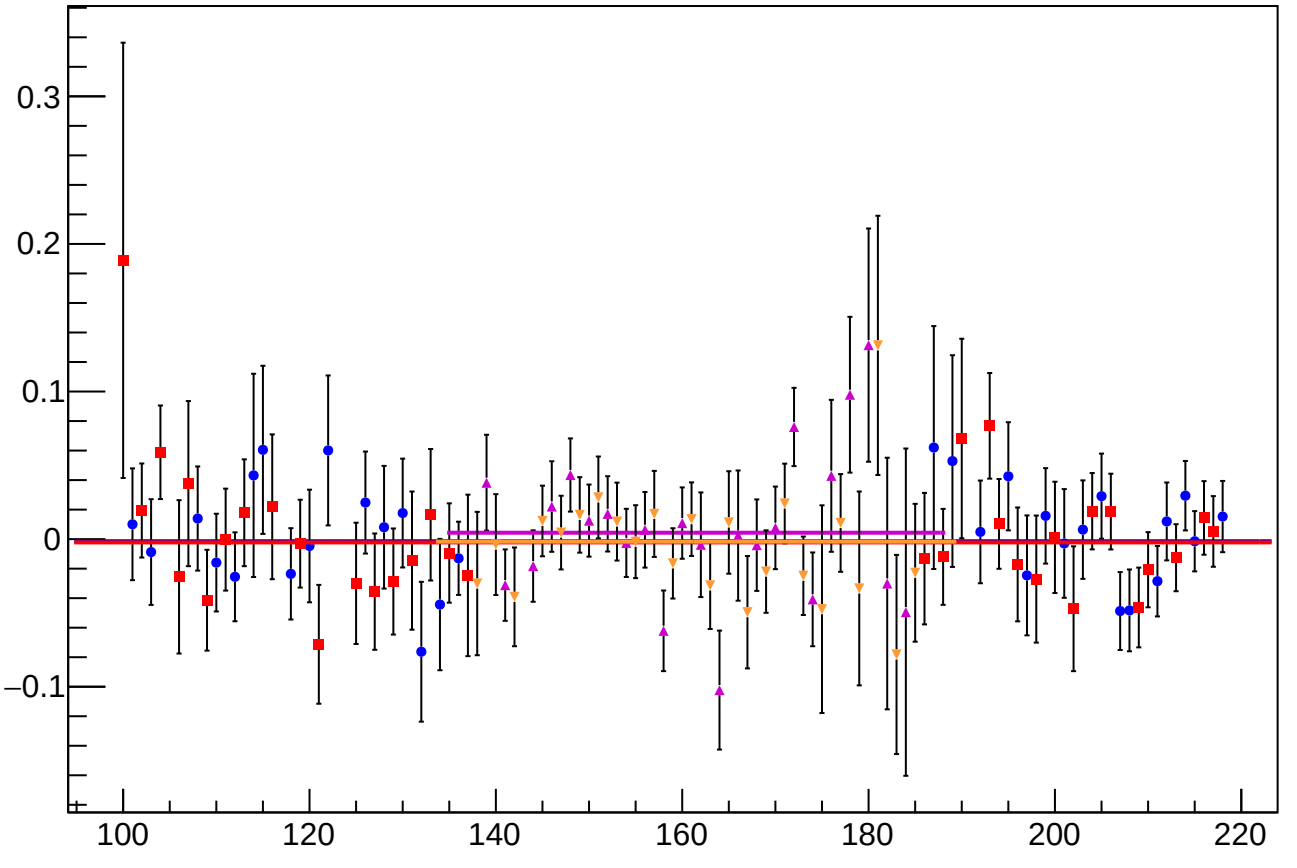
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 30124892.3/65

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

Out: 0.000+/-0.000 χ^2/NDF:21313385.5/57

All: 0.000+/-0.000 χ^2/NDF: 41056769.4/112



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: -0.002+/-0.006 χ^2/NDF: 26.7/33

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

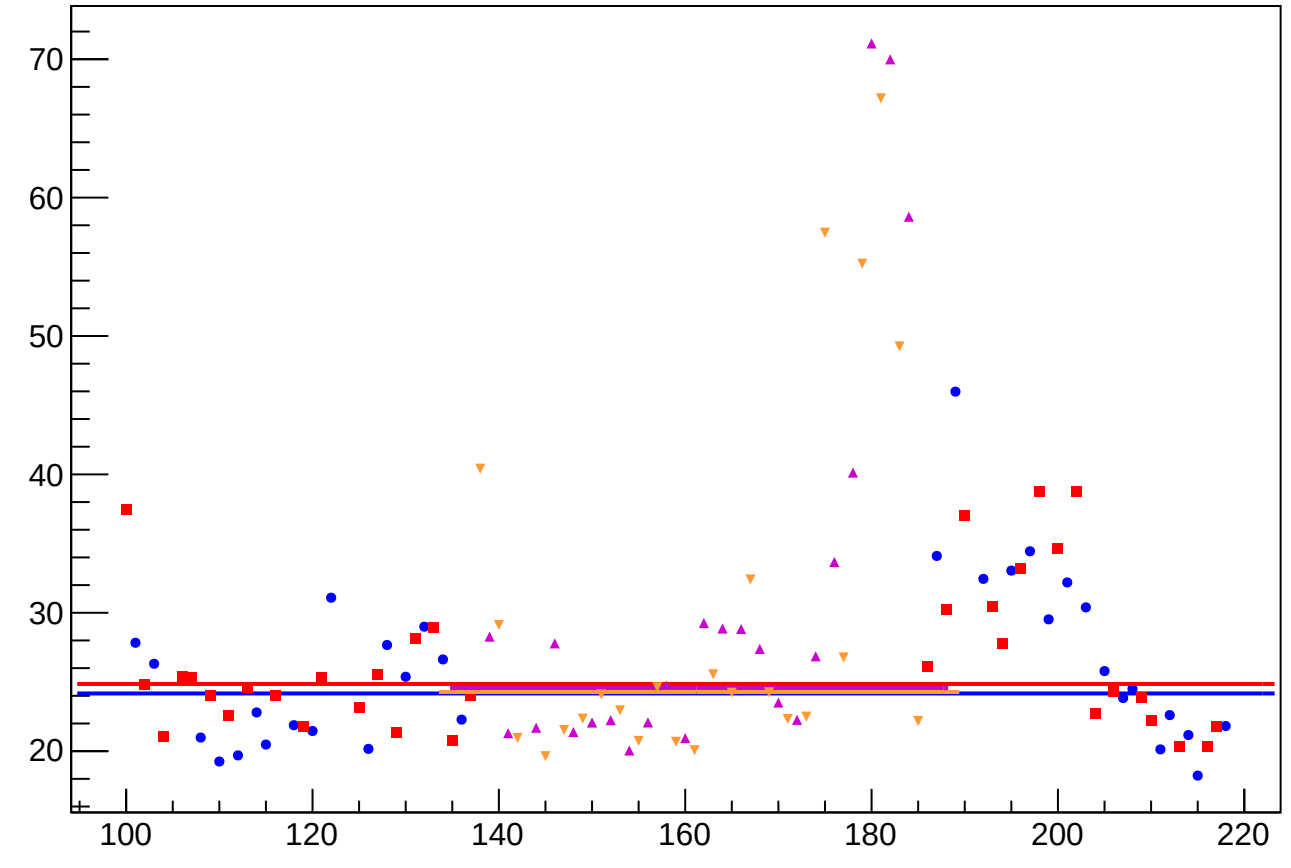
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.002+/-0.004 χ^2/NDF: 50.2/65

In: 0.001+/-0.004 χ^2/NDF:60.5/54

Out: -0.002+/-0.004 χ^2/NDF:41.3/57

All: -0.000+/-0.003 χ^2/NDF: 102.1/112



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: 24.856+/-0.004 χ^2/NDF: 1213418.1/33

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

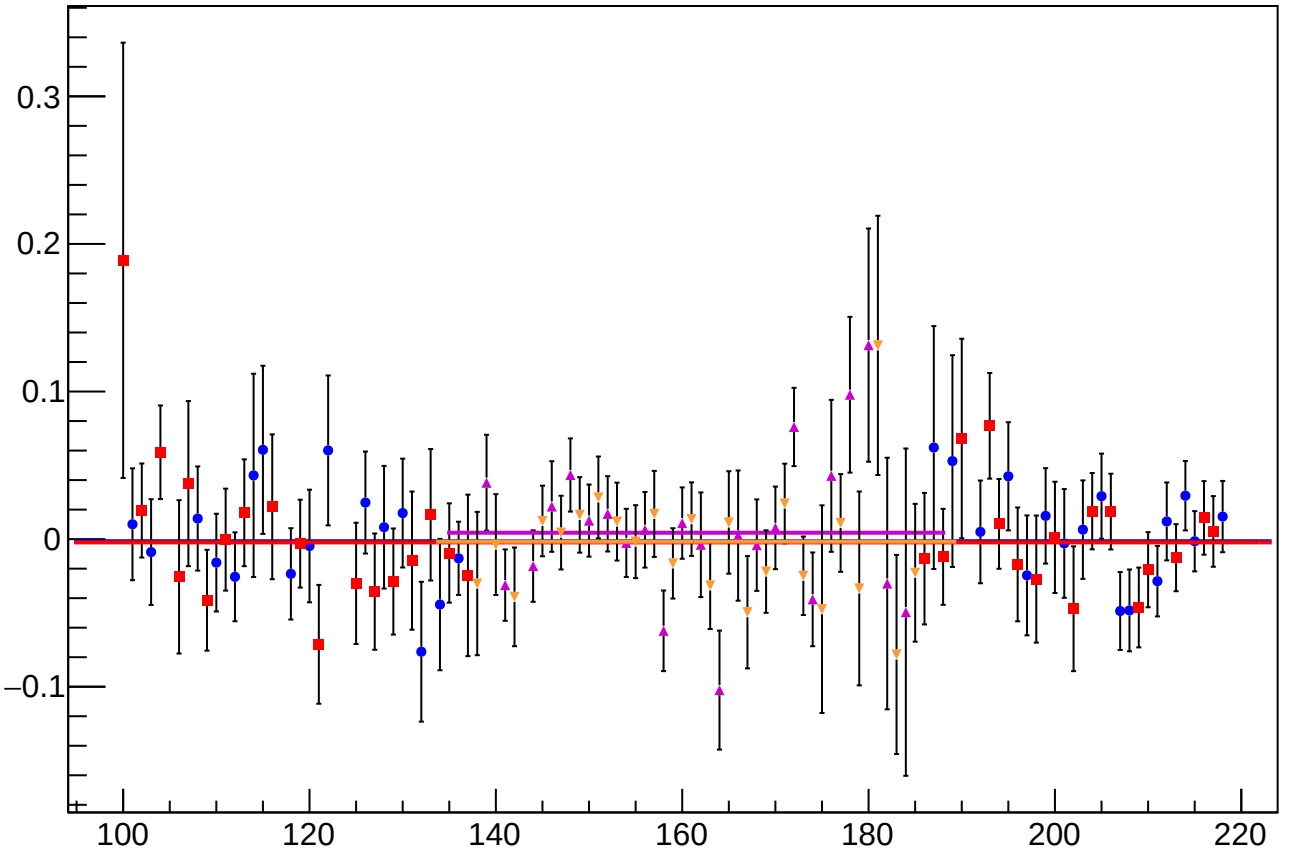
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 24.507+/-0.003 χ^2/NDF: 2590622.2/65

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

Out: 24.586+/-0.003 χ^2/NDF:3533122.6/57

All: 24.467+/-0.002 χ^2/NDF: 7036713.0/112



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: -0.002+/-0.006 χ^2/NDF: 26.7/33

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

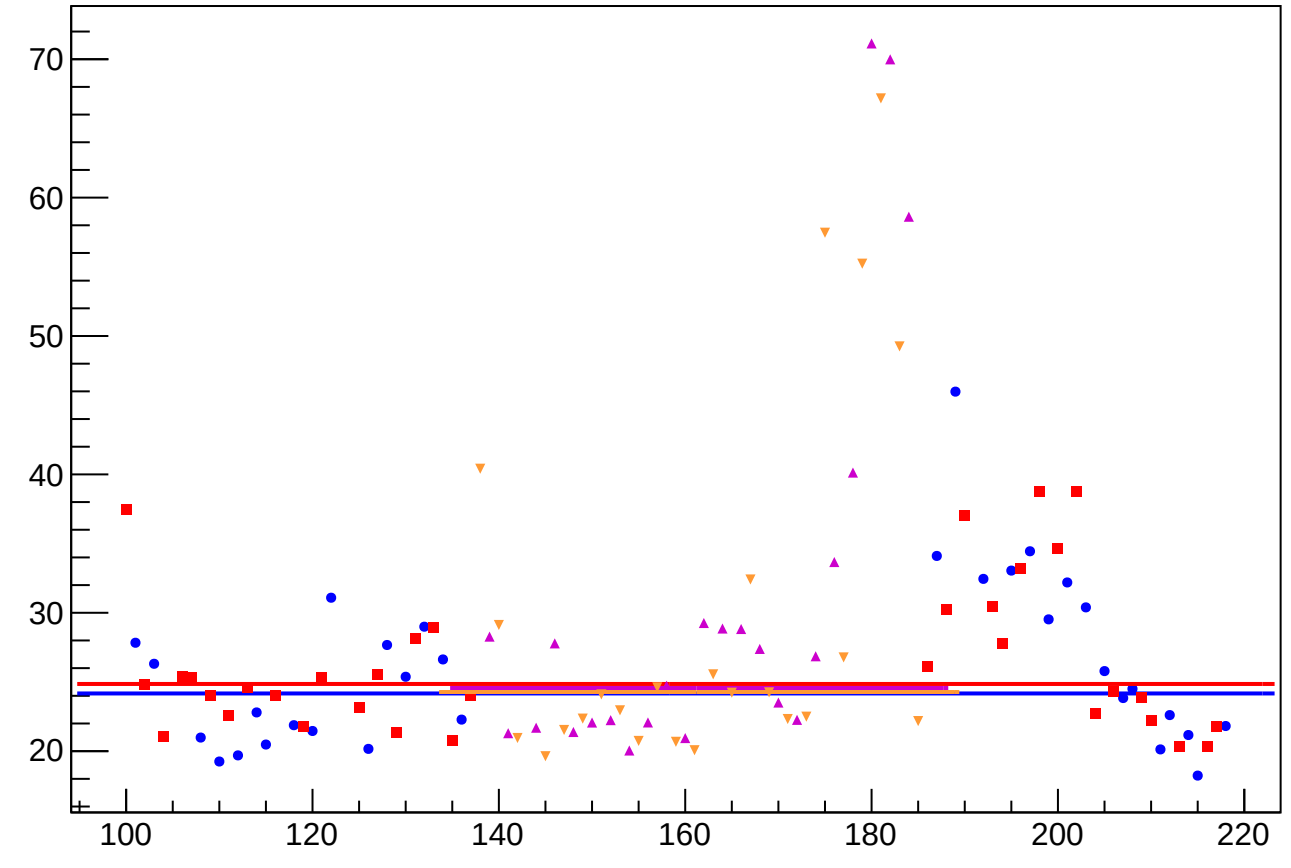
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.002+/-0.004 χ^2/NDF: 50.2/65

In: 0.001+/-0.004 χ^2/NDF:60.5/54

Out: -0.002+/-0.004 χ^2/NDF:41.3/57

All: -0.000+/-0.003 χ^2/NDF: 102.1/112



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: 24.856+/-0.004 χ^2/NDF: 1213418.1/33

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

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

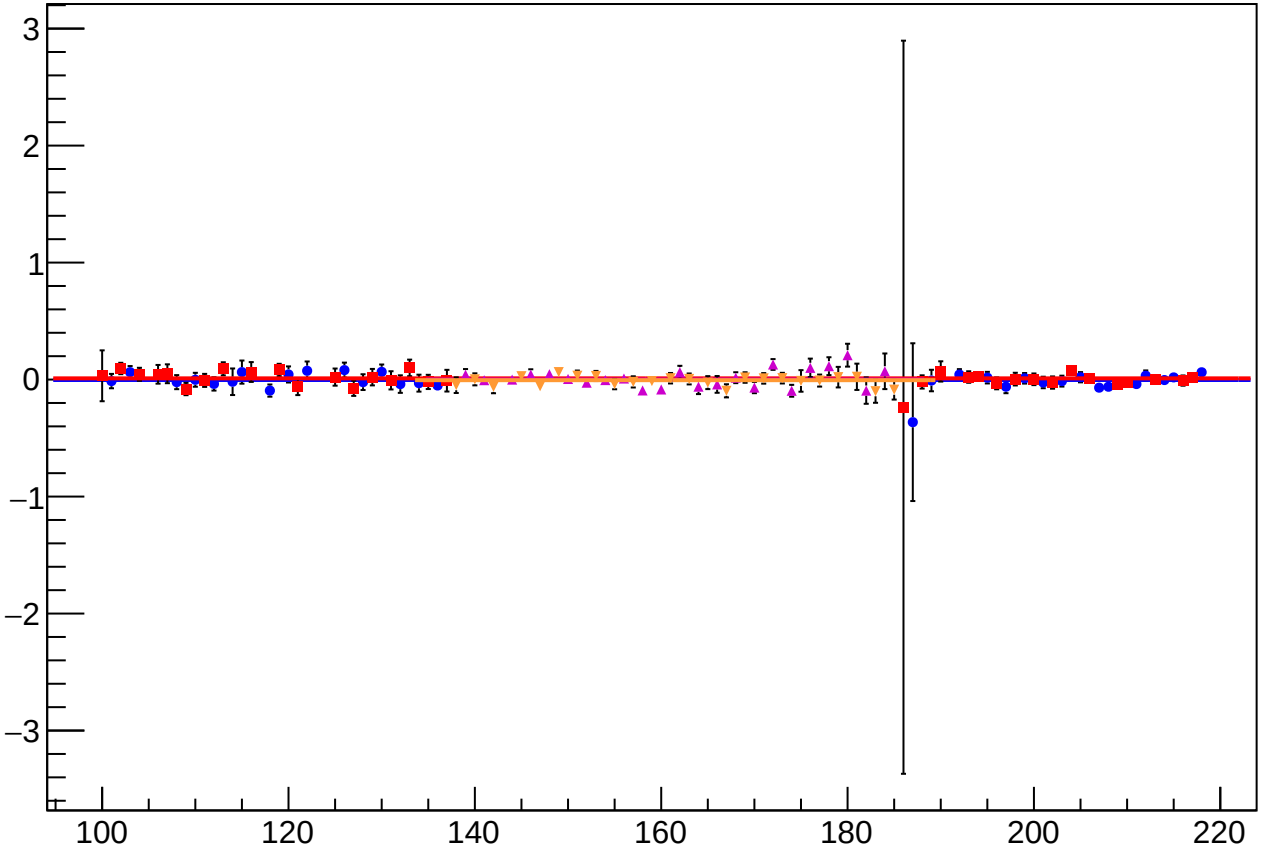
Right: 24.507+/-0.003 χ^2/NDF: 2590622.2/65

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

Out: 24.586+/-0.003 χ^2/NDF:3533122.6/57

All: 24.467+/-0.002 χ^2/NDF: 7036713.0/112

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: 0.010+/-0.009 χ^2/NDF: 23.2/33

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

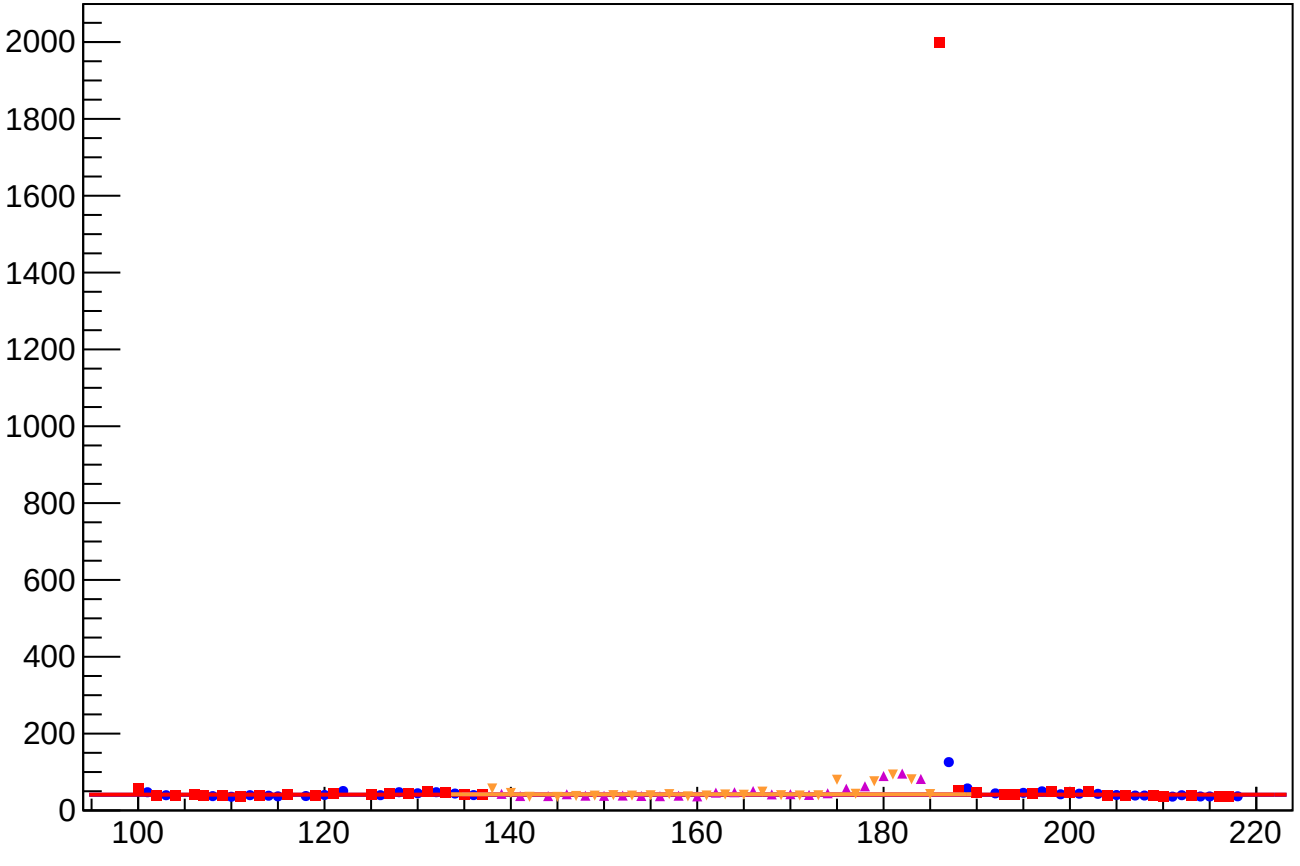
Right: 0.003+/-0.007 χ^2/NDF: 47.8/65

In: -0.002+/-0.007 χ^2/NDF:61.5/54

Out: 0.003+/-0.007 χ^2/NDF:38.3/57

All: 0.001+/-0.005 χ^2/NDF: 100.1/112

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: 41.175+/-0.007 χ^2/NDF: 1161684.1/33

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

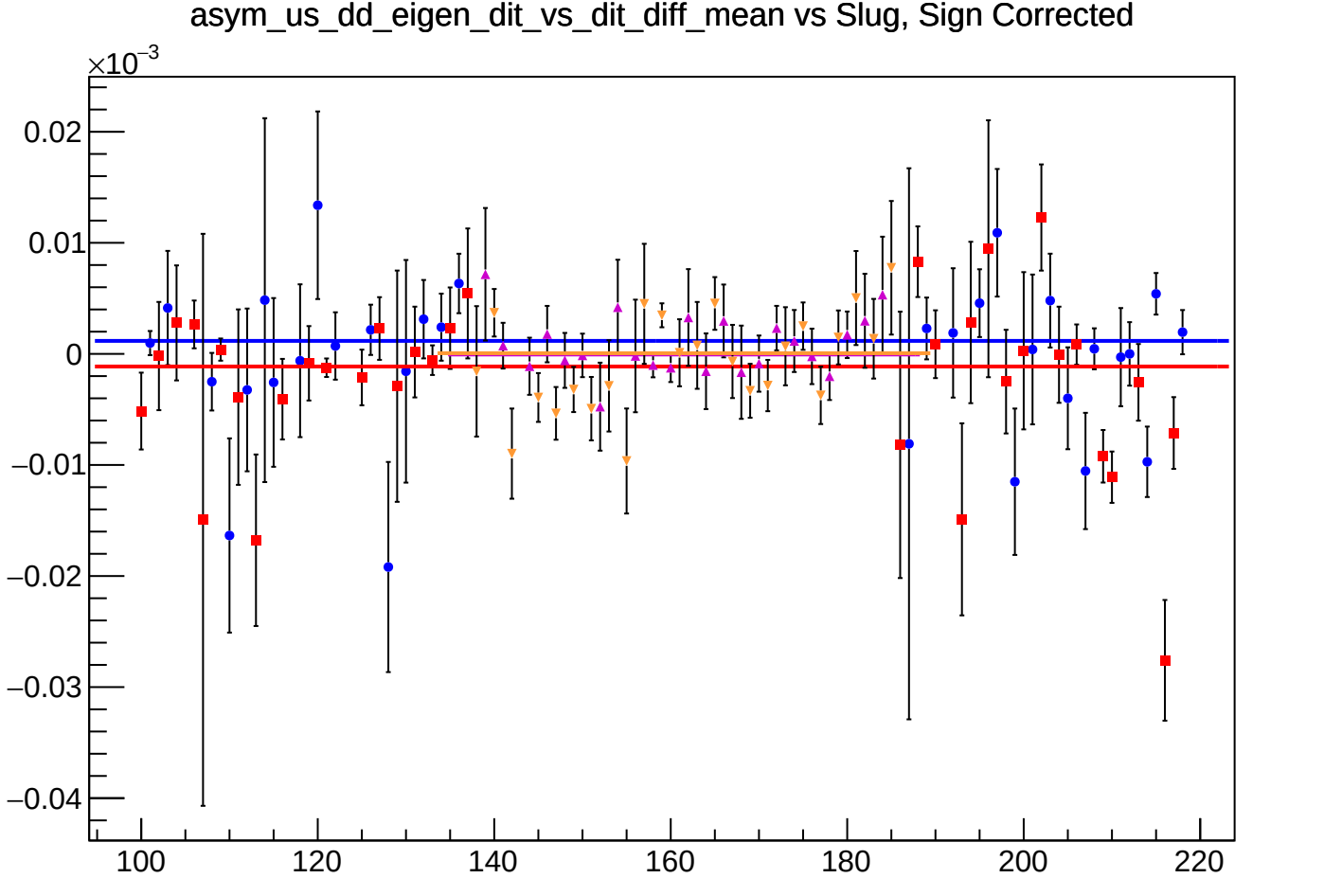
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

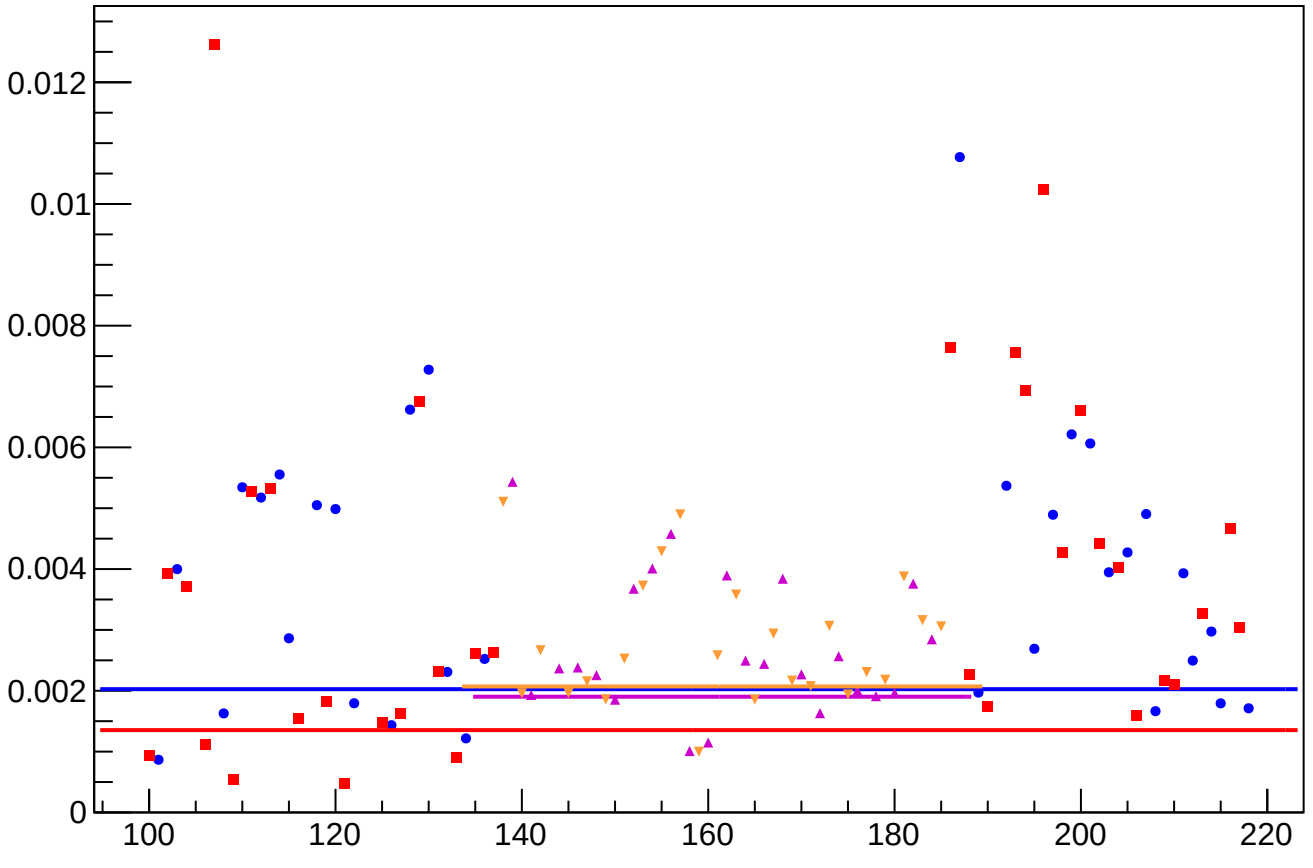
Right: 40.942+/-0.005 χ^2/NDF: 1605076.4/65

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

Out: 41.590+/-0.005 χ^2/NDF:2886152.7/57

All: 41.456+/-0.003 χ^2/NDF: 4891099.9/112


asym_us_dd_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: 51.0/31
Left Out: 0.000+/-0.000 χ²/NDF:51.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 96.8/33
Left In: -0.000+/-0.000 χ²/NDF:13.0/22
Left: -0.000+/-0.000 χ²/NDF: 64.7/46
Right: -0.000+/-0.000 χ²/NDF: 158.7/65
In: 0.000+/-0.000 χ²/NDF:66.8/54
Out: -0.000+/-0.000 χ²/NDF:151.5/57
All: -0.000+/-0.000 χ²/NDF: 223.7/112



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: 17267879.1/33

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

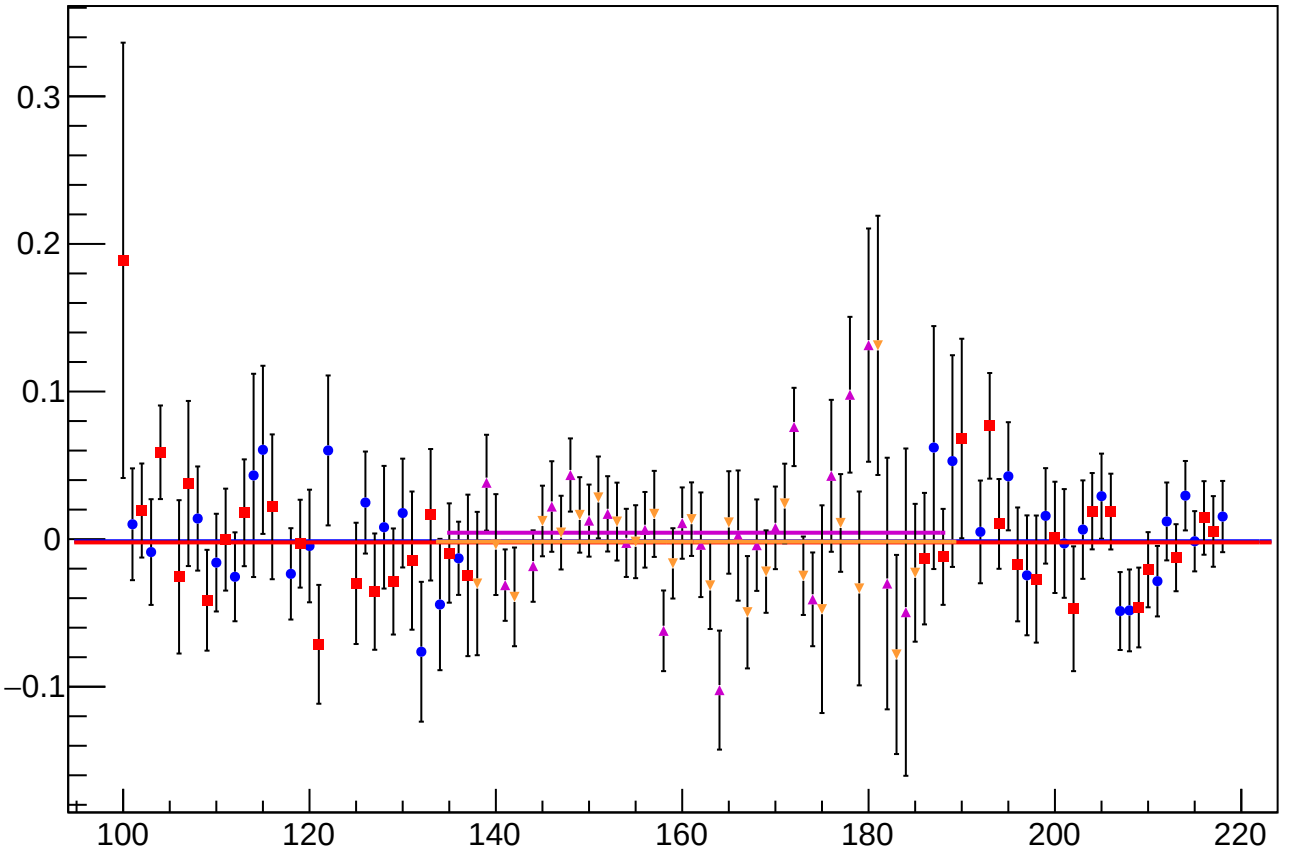
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.002+/-0.000 χ^2/NDF: 29845705.4/65

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

Out: 0.002+/-0.000 χ^2/NDF:24760244.4/57

All: 0.002+/-0.000 χ^2/NDF: 42266790.5/112



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: -0.002+/-0.006 χ^2/NDF: 26.7/33

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

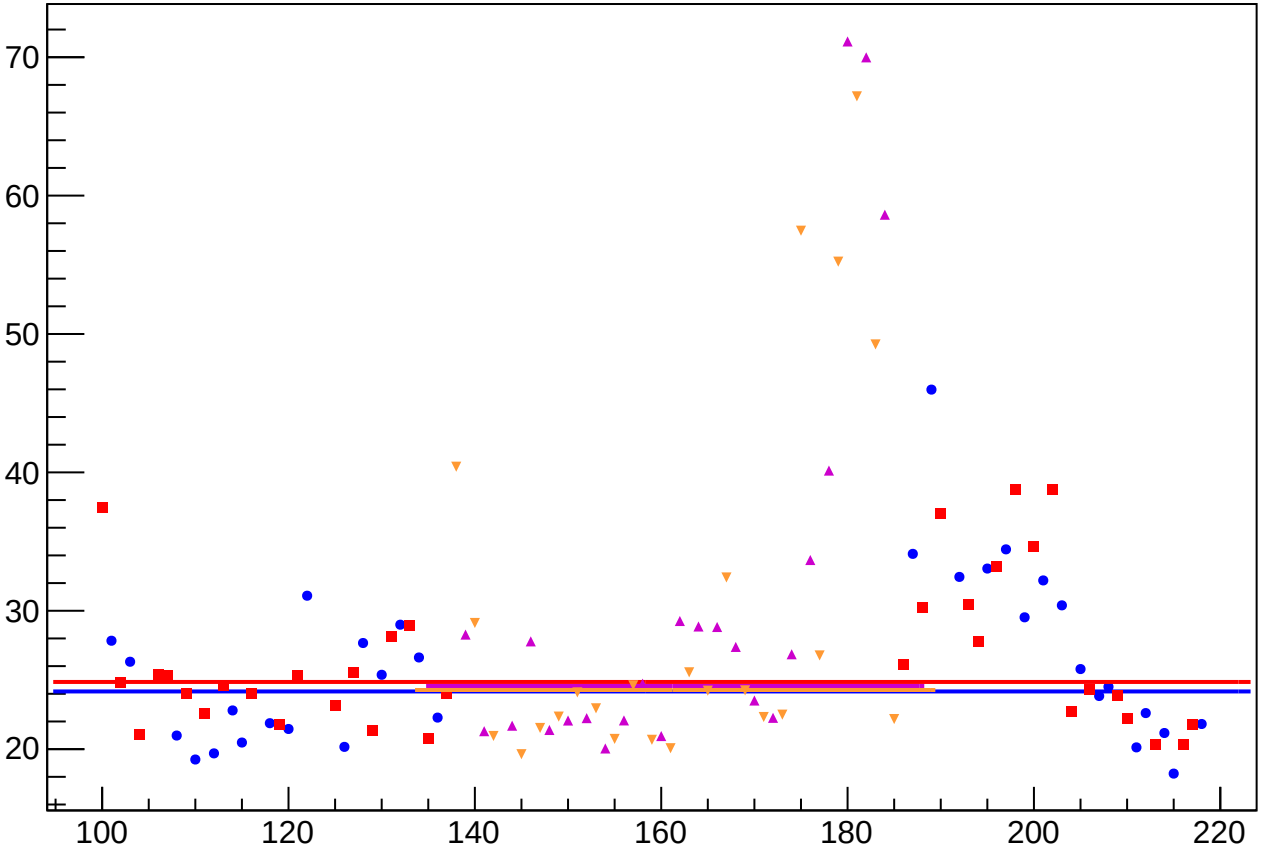
Right: -0.002+/-0.004 χ^2/NDF: 50.2/65

In: 0.001+/-0.004 χ^2/NDF:60.5/54

Out: -0.002+/-0.004 χ^2/NDF:41.3/57

All: -0.000+/-0.003 χ^2/NDF: 102.1/112

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: 24.856+/-0.004 χ^2/NDF: 1213386.1/33

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

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

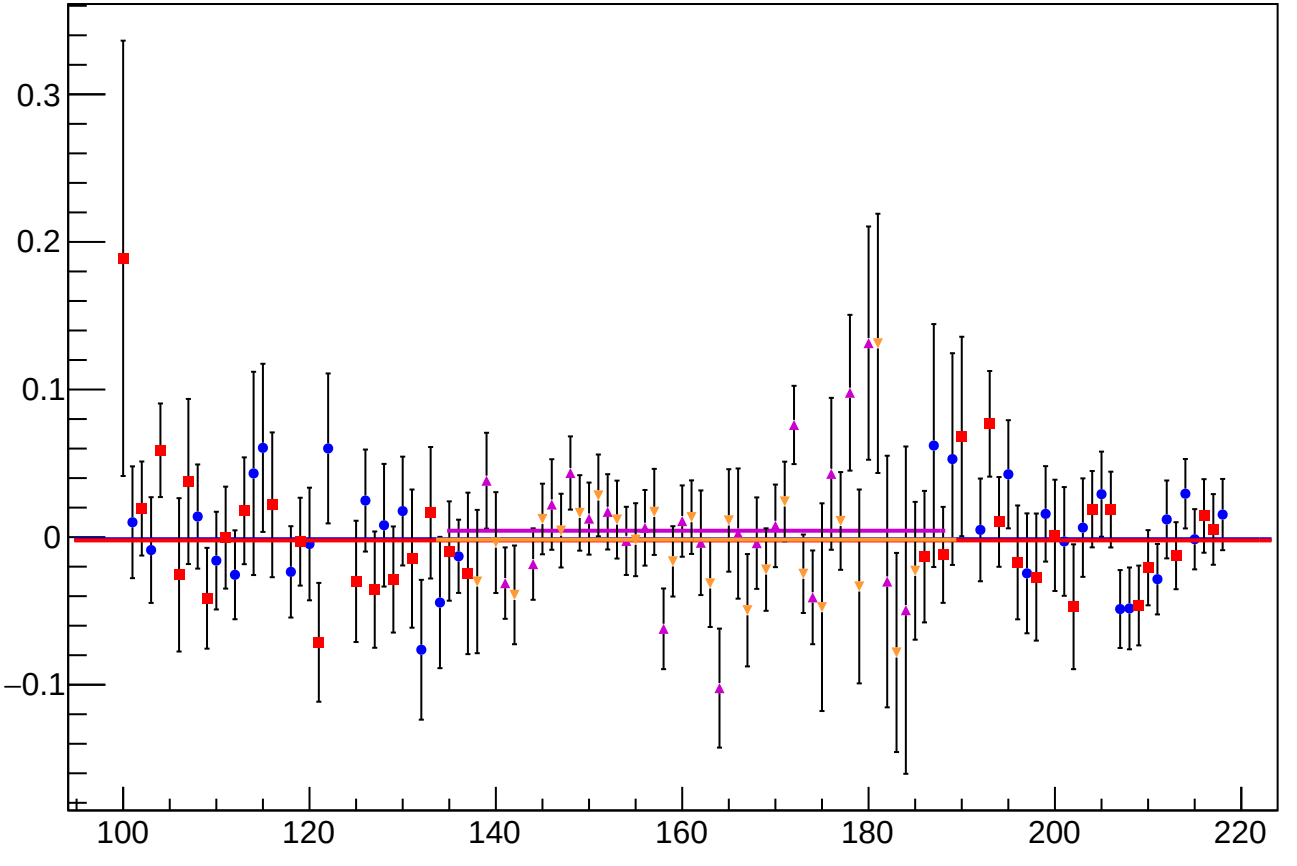
Right: 24.507+/-0.003 χ^2/NDF: 2590579.2/65

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

Out: 24.587+/-0.003 χ^2/NDF:3533098.7/57

All: 24.467+/-0.002 χ^2/NDF: 7036541.4/112

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.002+/-0.006 χ^2/NDF: 26.7/33

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

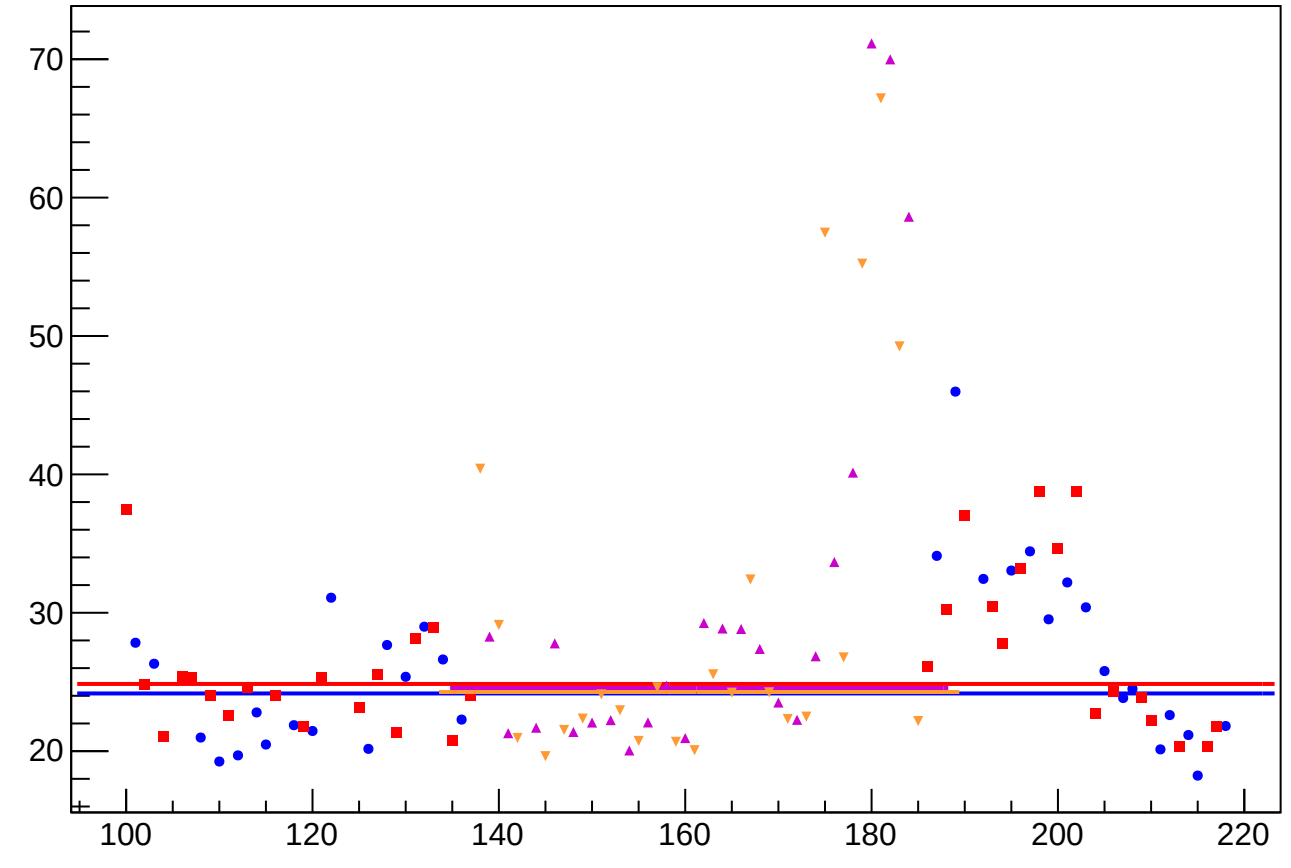
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.002+/-0.004 χ^2/NDF: 50.2/65

In: 0.001+/-0.004 χ^2/NDF:60.5/54

Out: -0.002+/-0.004 χ^2/NDF:41.3/57

All: -0.000+/-0.003 χ^2/NDF: 102.1/112



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: 24.856+/-0.004 χ^2/NDF: 1213386.1/33

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

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

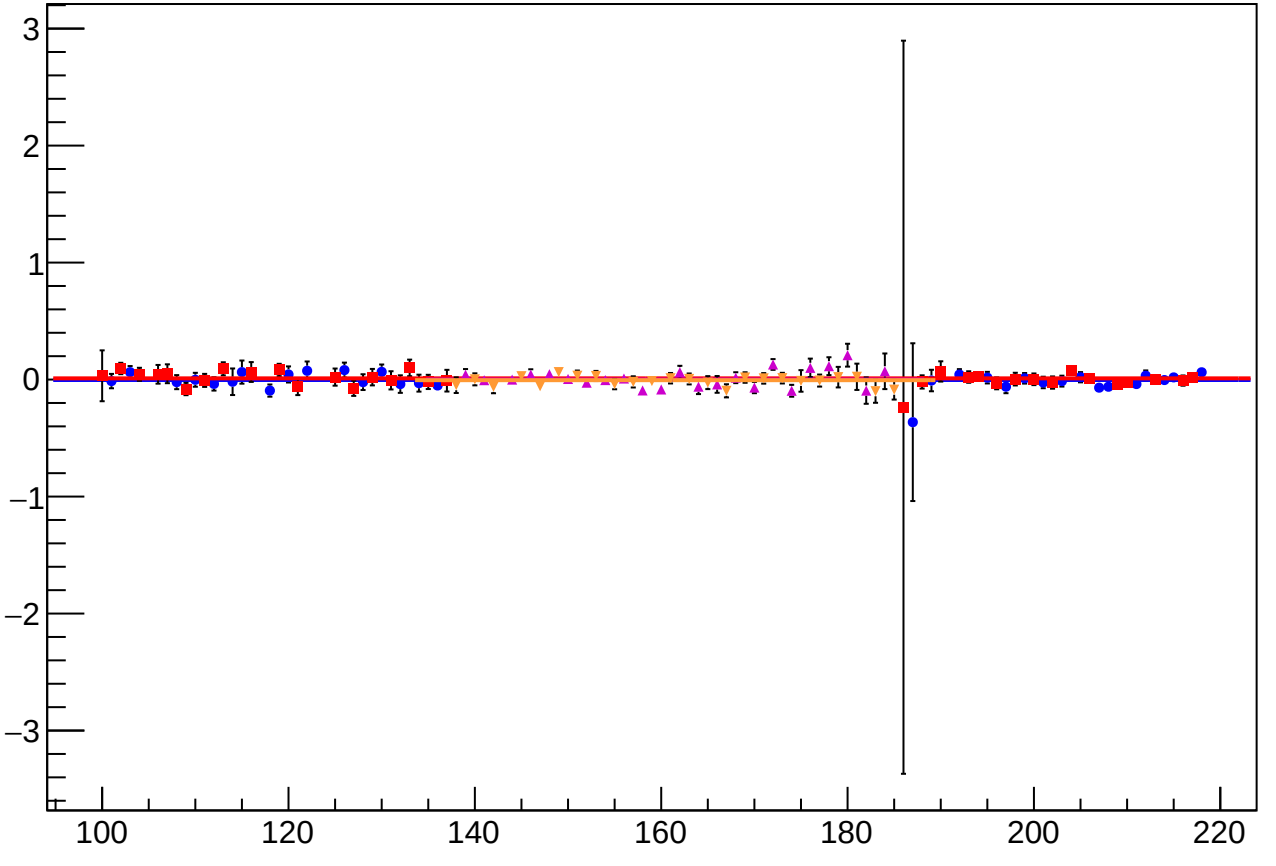
Right: 24.507+/-0.003 χ^2/NDF: 2590579.2/65

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

Out: 24.587+/-0.003 χ^2/NDF:3533098.7/57

All: 24.467+/-0.002 χ^2/NDF: 7036541.4/112

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: 0.010+/-0.009 χ^2/NDF: 23.2/33

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

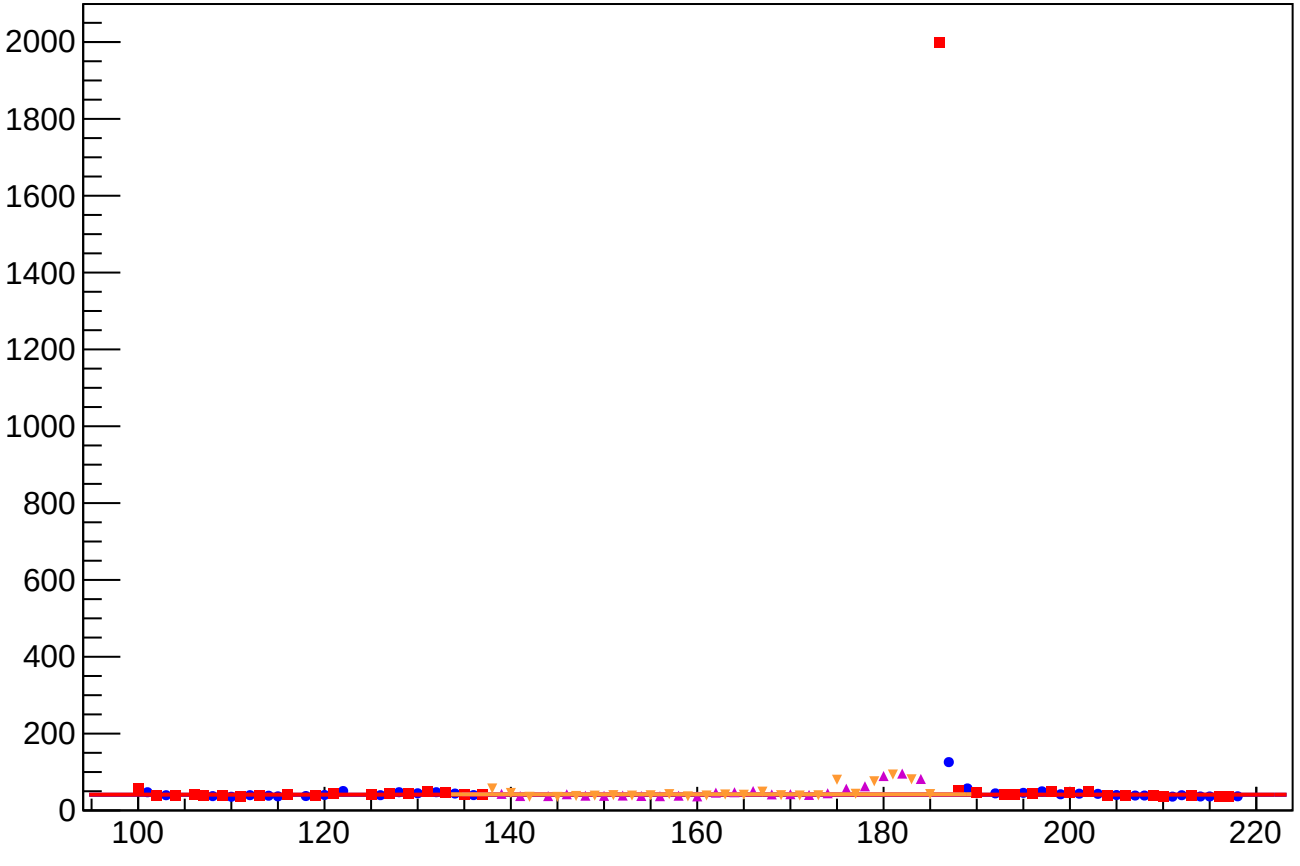
Right: 0.003+/-0.007 χ^2/NDF: 47.8/65

In: -0.002+/-0.007 χ^2/NDF:61.5/54

Out: 0.003+/-0.007 χ^2/NDF:38.3/57

All: 0.001+/-0.005 χ^2/NDF: 100.1/112

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: 41.175+/-0.007 χ^2/NDF: 1161682.1/33

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

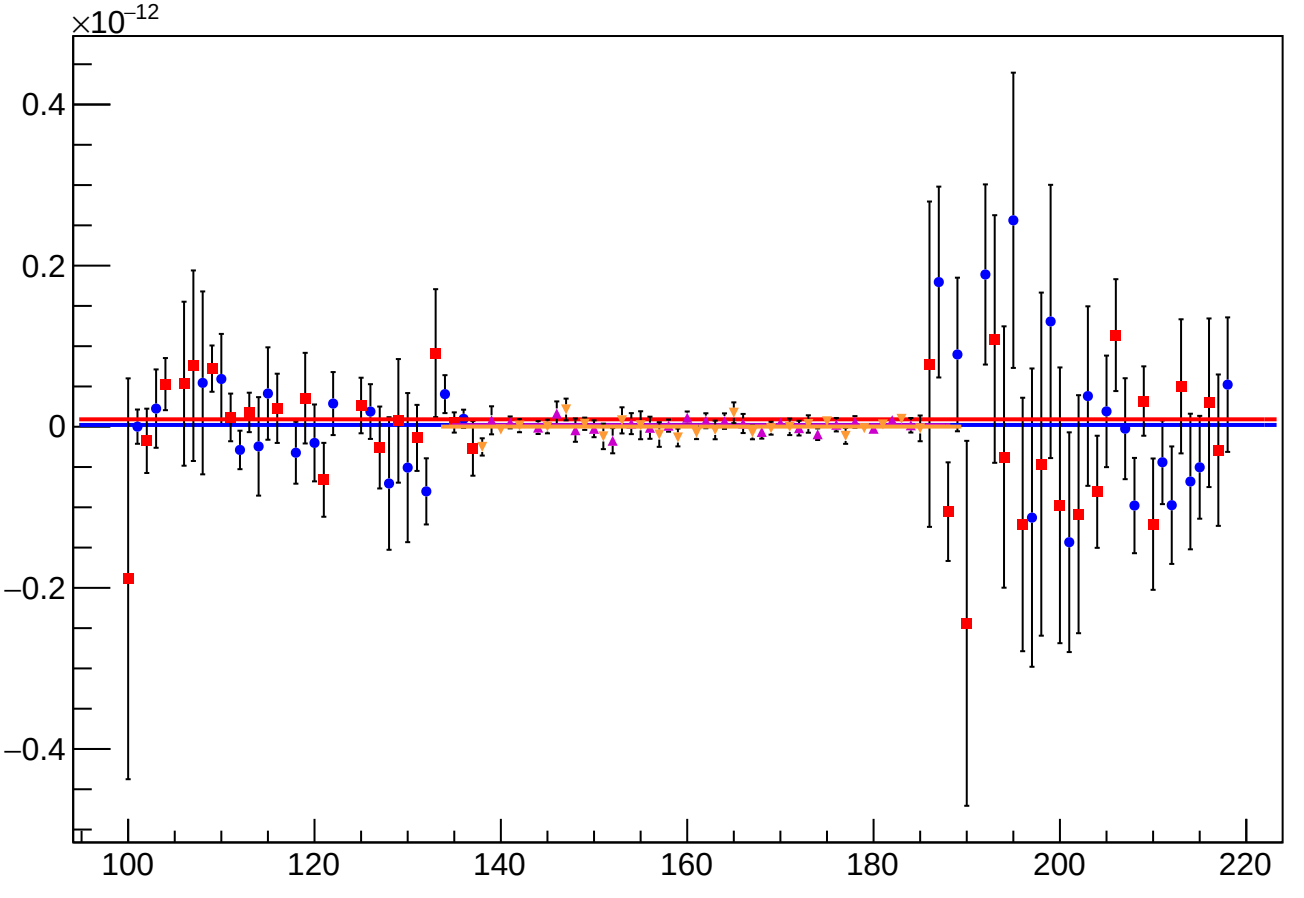
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 40.942+/-0.005 χ^2/NDF: 1605016.1/65

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

Out: 41.590+/-0.005 χ^2/NDF:2886142.0/57

All: 41.456+/-0.003 χ^2/NDF: 4891009.6/112



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: 29.0/33

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

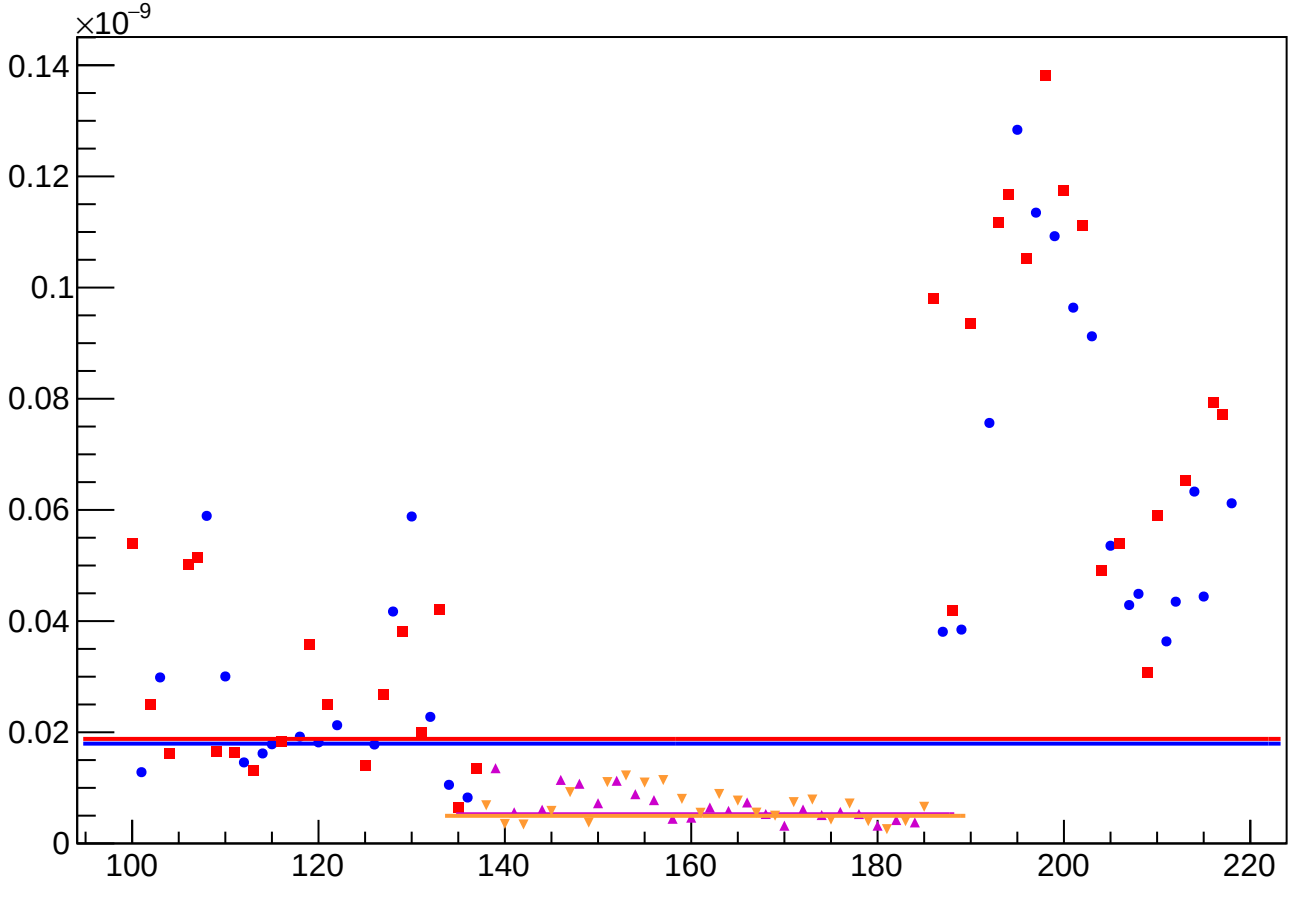
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 60.6/65

In: 0.000+/-0.000 χ^2/NDF:42.8/54

Out: 0.000+/-0.000 χ^2/NDF:51.7/57

All: 0.000+/-0.000 χ^2/NDF: 94.8/112



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: 11707637.3/33

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

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

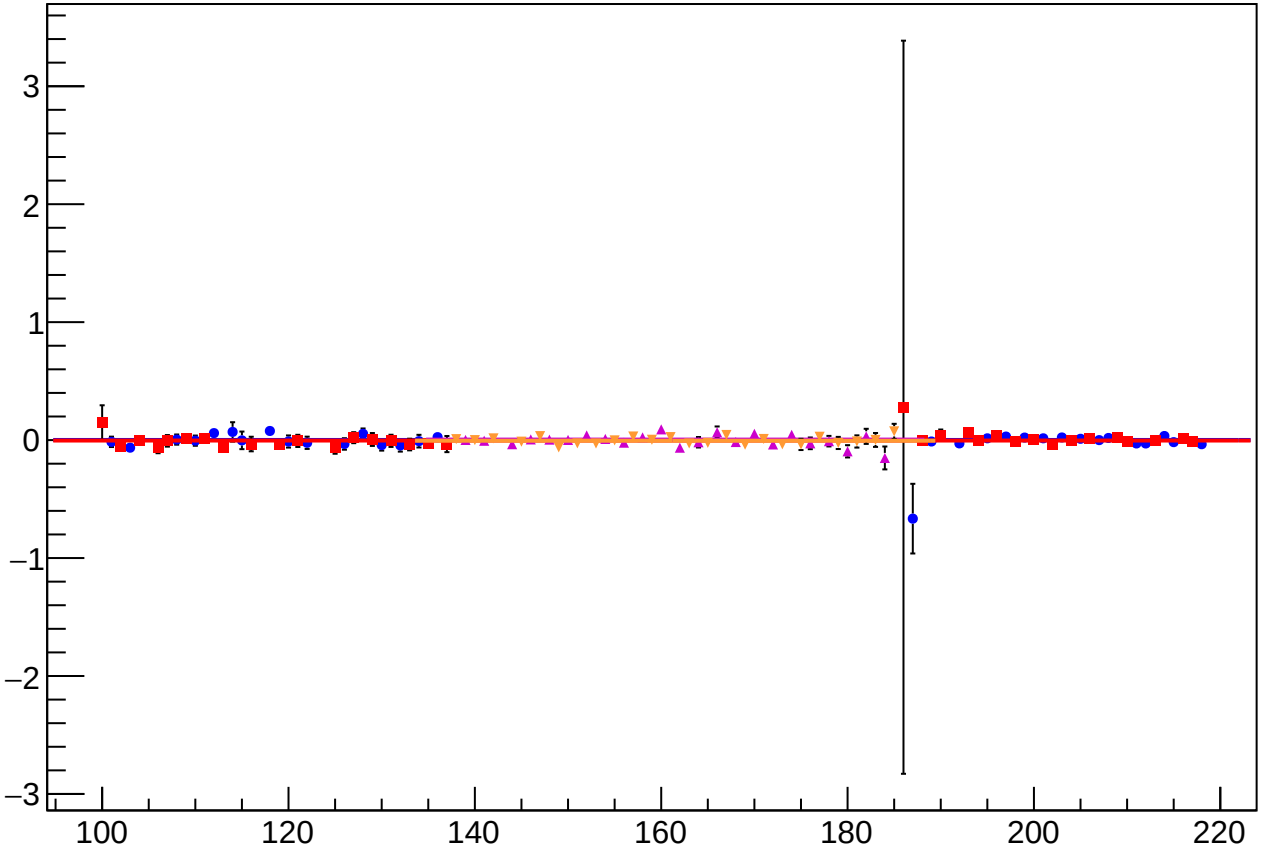
Right: 0.000+/-0.000 χ^2/NDF: 21867634.6/65

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

Out: 0.000+/-0.000 χ^2/NDF:21968636.4/57

All: 0.000+/-0.000 χ^2/NDF: 41070502.4/112

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: -0.004+/-0.006 χ^2/NDF: 24.0/33

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

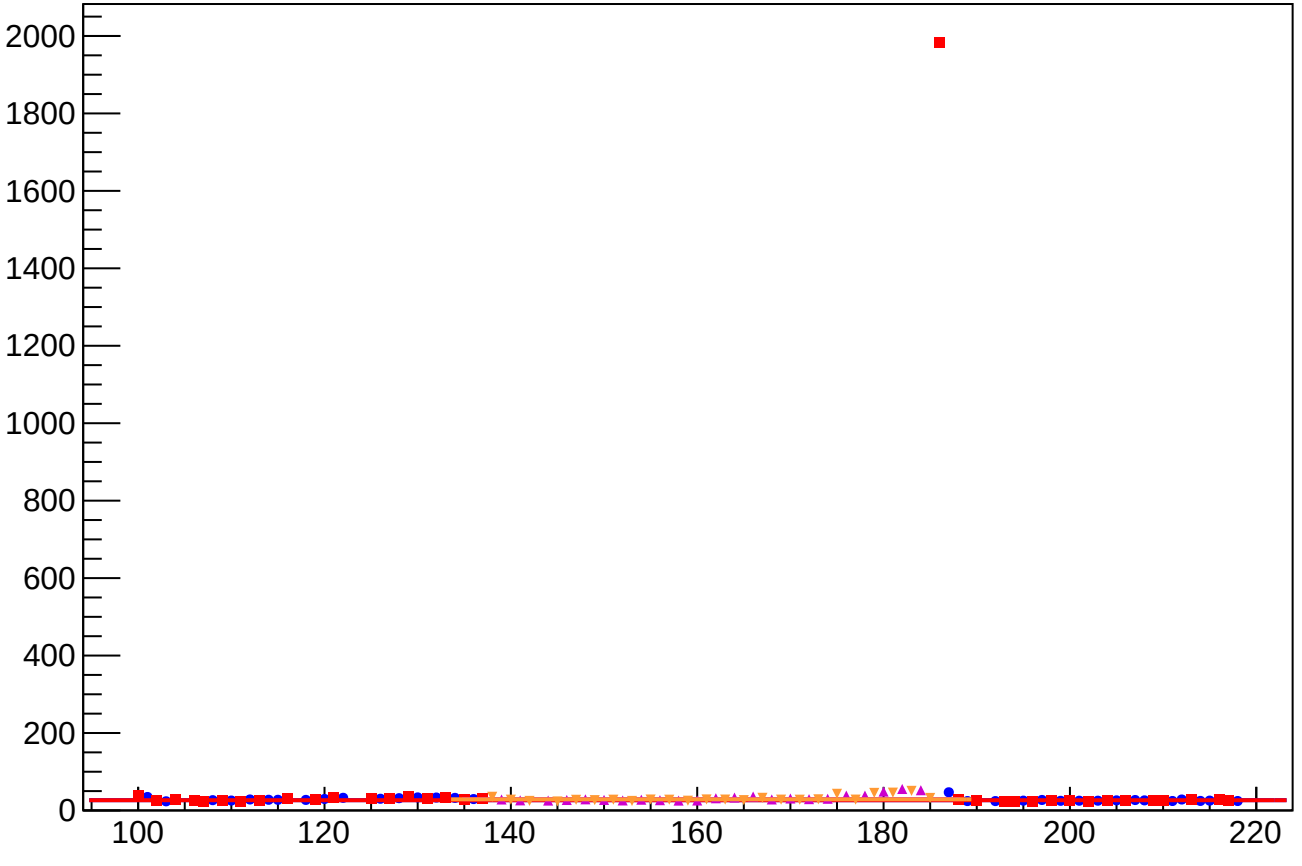
Right: -0.001+/-0.004 χ^2/NDF: 54.7/65

In: 0.002+/-0.005 χ^2/NDF:61.8/54

Out: -0.004+/-0.005 χ^2/NDF:40.7/57

All: -0.001+/-0.003 χ^2/NDF: 103.6/112

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: 26.454+/-0.004 χ^2/NDF: 1118550.8/33

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

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

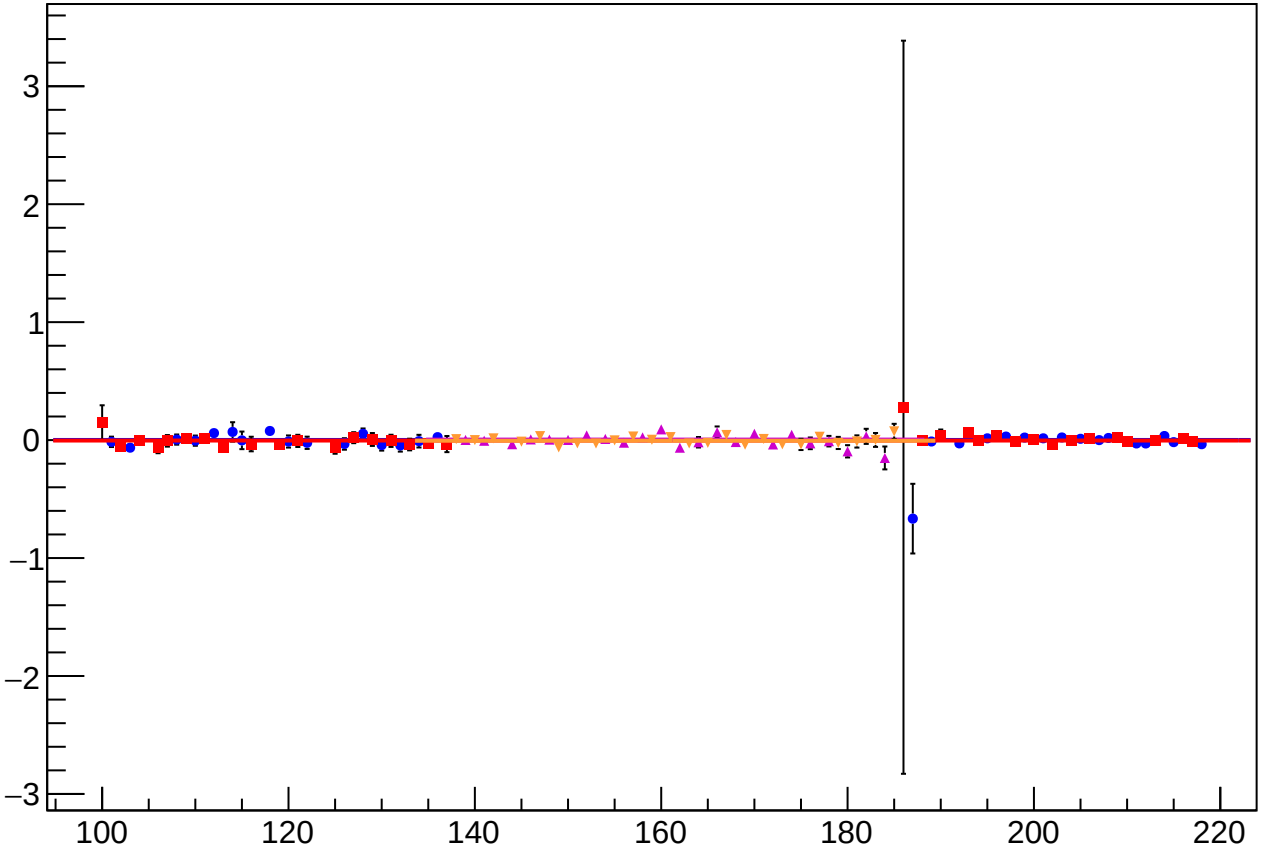
Right: 26.513+/-0.003 χ^2/NDF: 1500590.6/65

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

Out: 27.467+/-0.003 χ^2/NDF:2411861.6/57

All: 27.590+/-0.002 χ^2/NDF: 4097103.6/112

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: -0.004+/-0.006 χ^2/NDF: 24.0/33

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

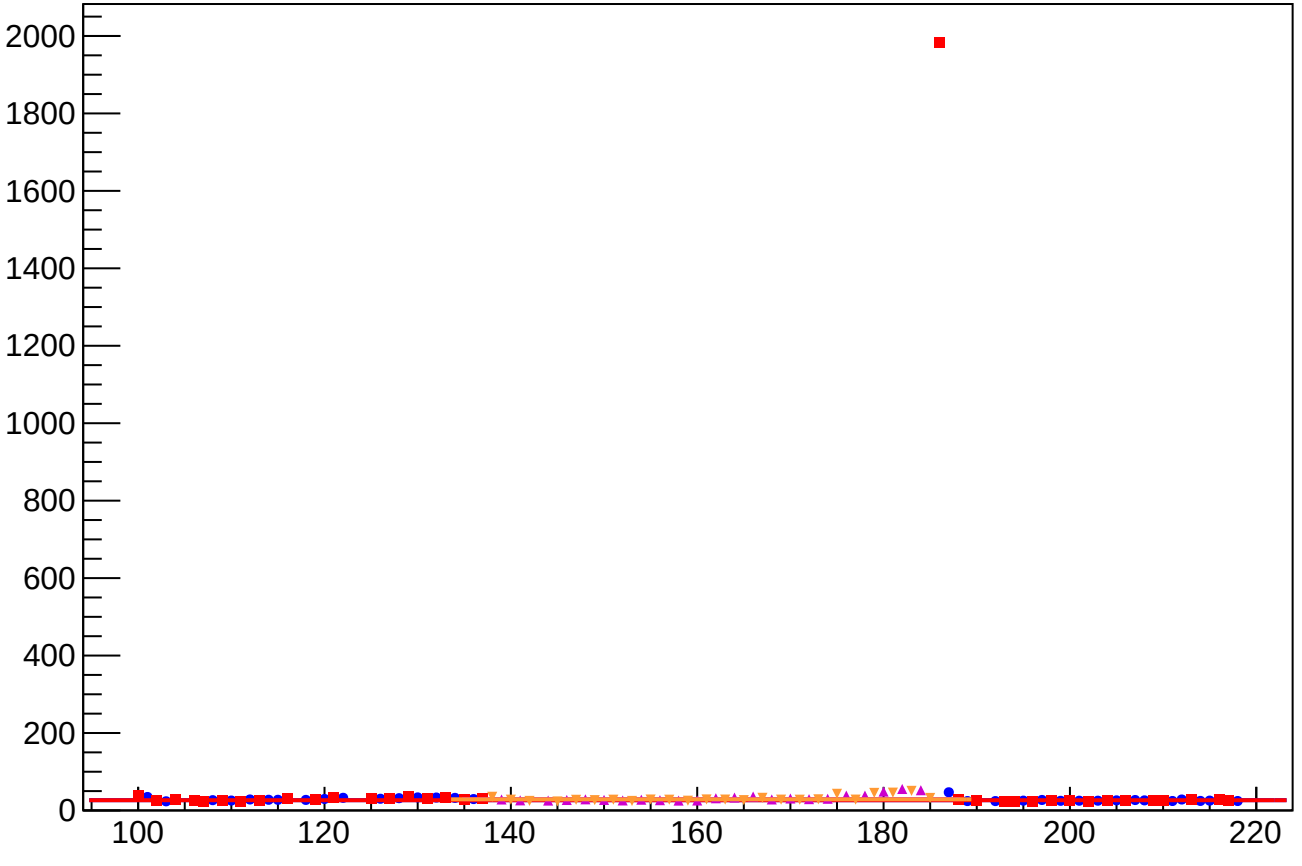
Right: -0.001+/-0.004 χ^2/NDF: 54.7/65

In: 0.002+/-0.005 χ^2/NDF:61.8/54

Out: -0.004+/-0.005 χ^2/NDF:40.7/57

All: -0.001+/-0.003 χ^2/NDF: 103.6/112

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: 26.454+/-0.004 χ^2/NDF: 1118550.8/33

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

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

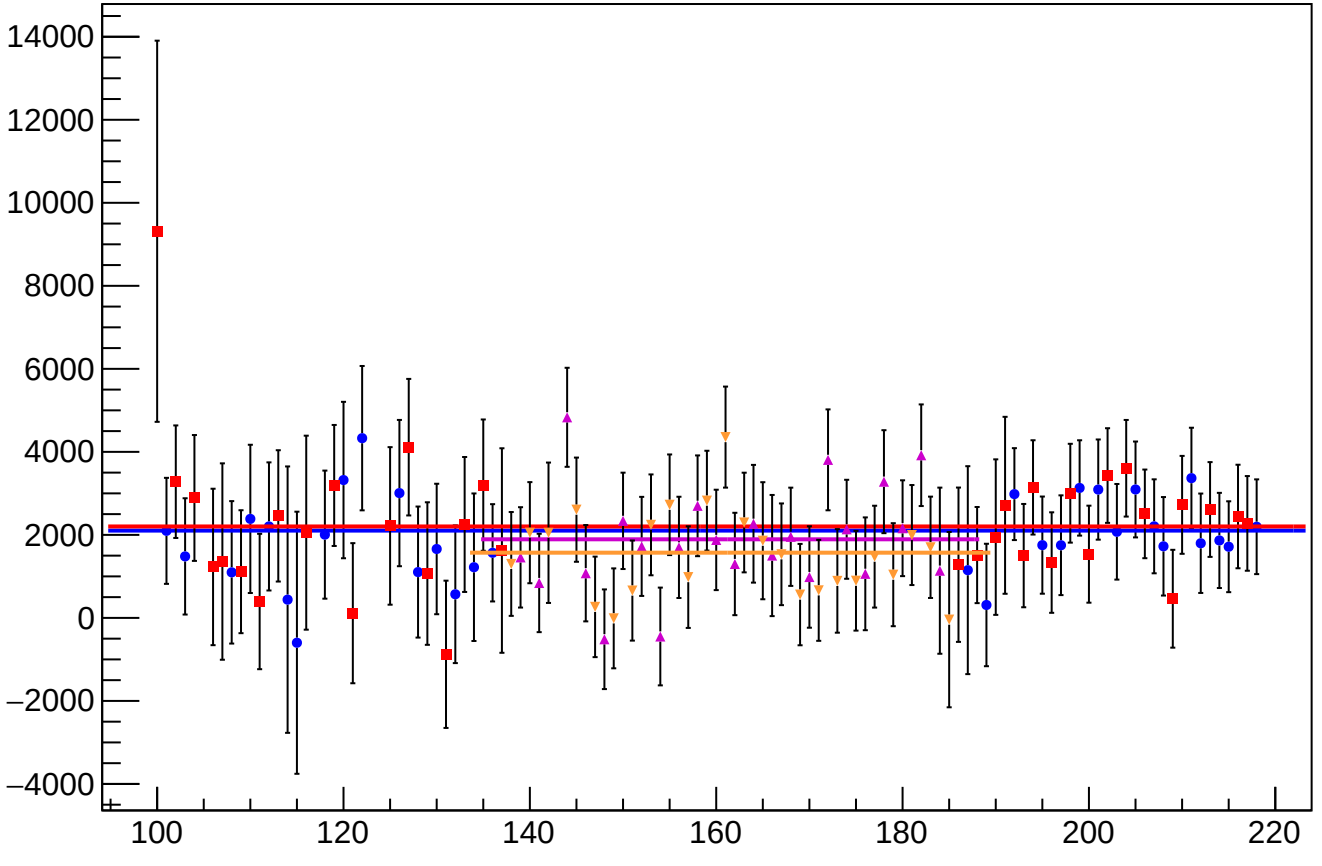
Right: 26.513+/-0.003 χ^2/NDF: 1500590.6/65

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

Out: 27.467+/-0.003 χ^2/NDF:2411861.6/57

All: 27.590+/-0.002 χ^2/NDF: 4097103.6/112

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: 2202.815+/-242.143 χ^2/NDF: 20.9/34

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

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

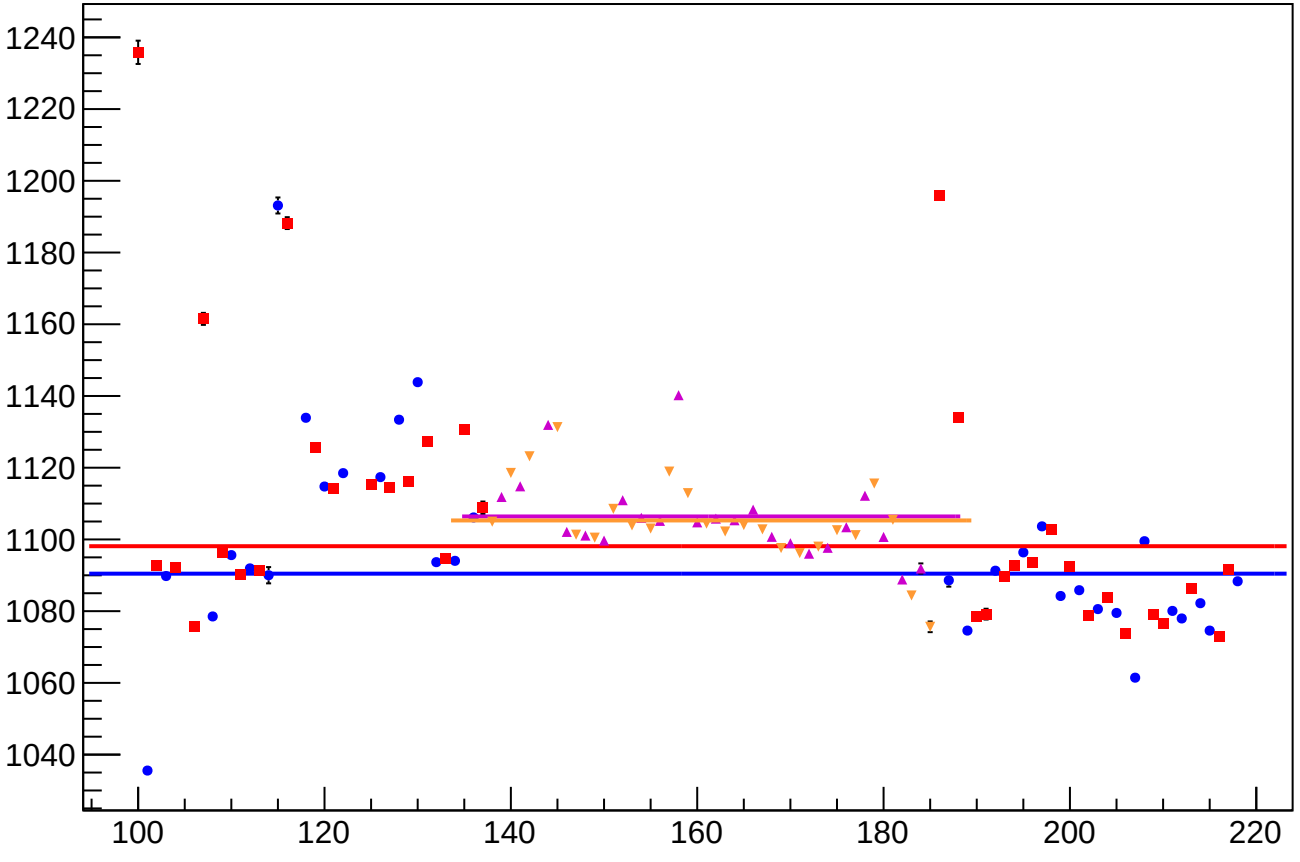
Right: 2153.163+/-171.364 χ^2/NDF: 32.7/66

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

Out: 1905.155+/-176.089 χ^2/NDF:39.5/58

All: 1954.849+/-124.774 χ^2/NDF: 75.8/113

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: 1098.114+/-0.171 χ^2/NDF: 21850.0/34

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

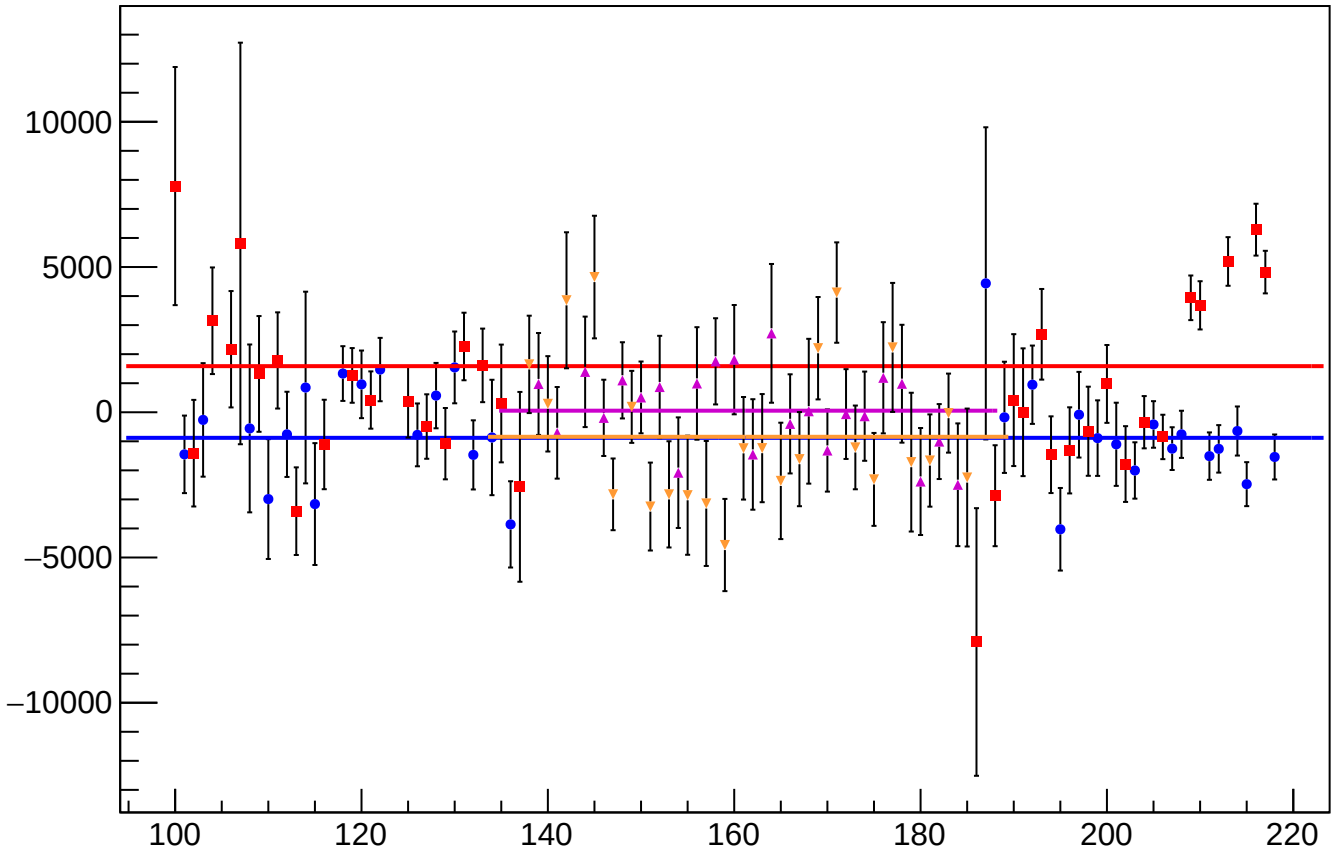
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1094.290+/-0.121 χ^2/NDF: 39109.3/66

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

Out: 1101.497+/-0.125 χ^2/NDF:25840.5/58

All: 1099.719+/-0.088 χ^2/NDF: 50339.0/113



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: 1587.299+/-209.309 χ^2/NDF: 159.9/34

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

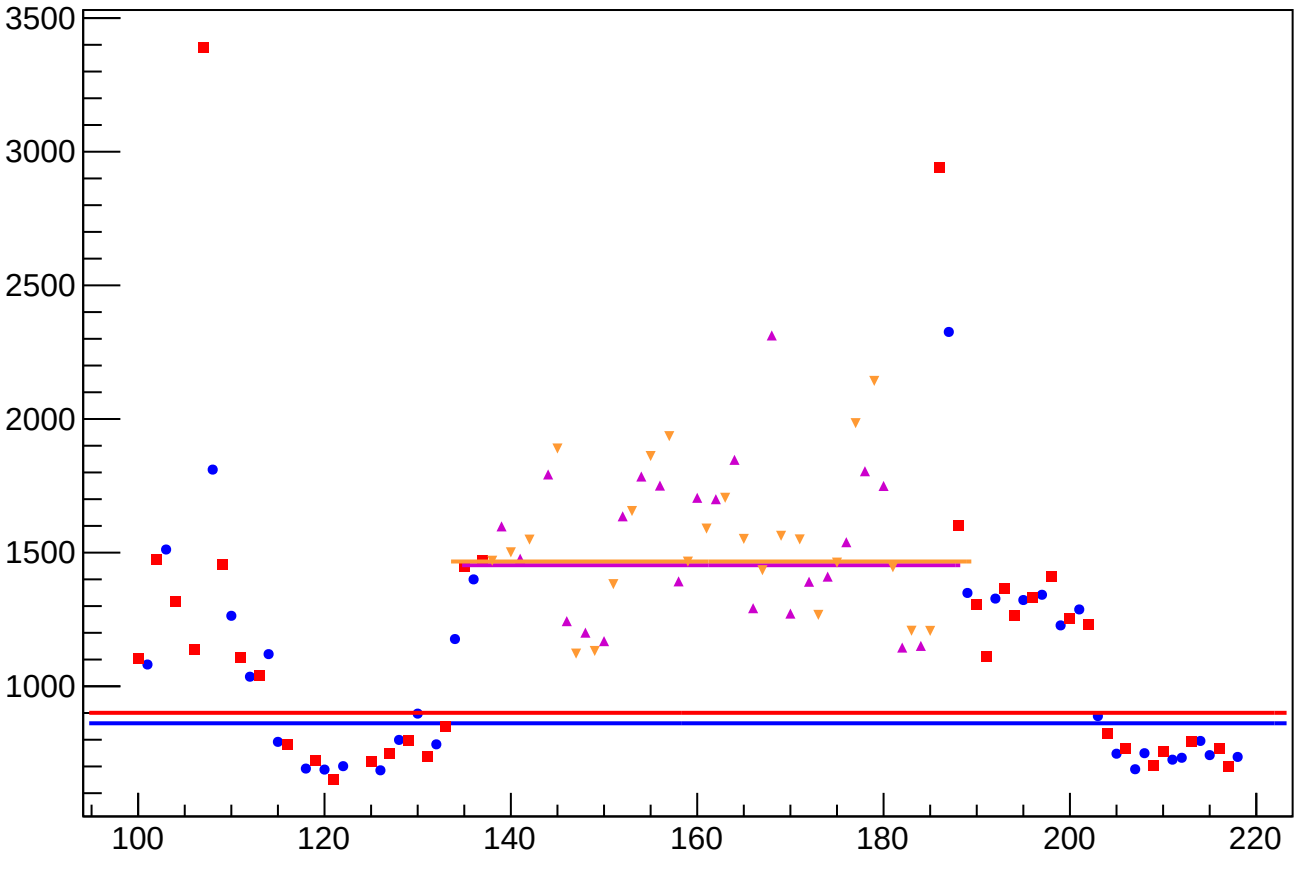
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 295.754+/-144.498 χ^2/NDF: 274.1/66

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

Out: 939.455+/-179.275 χ^2/NDF:240.0/58

All: 118.040+/-124.479 χ^2/NDF: 340.5/113



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: 900.687+/-0.148 χ^2/NDF: 3632167.8/34

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

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

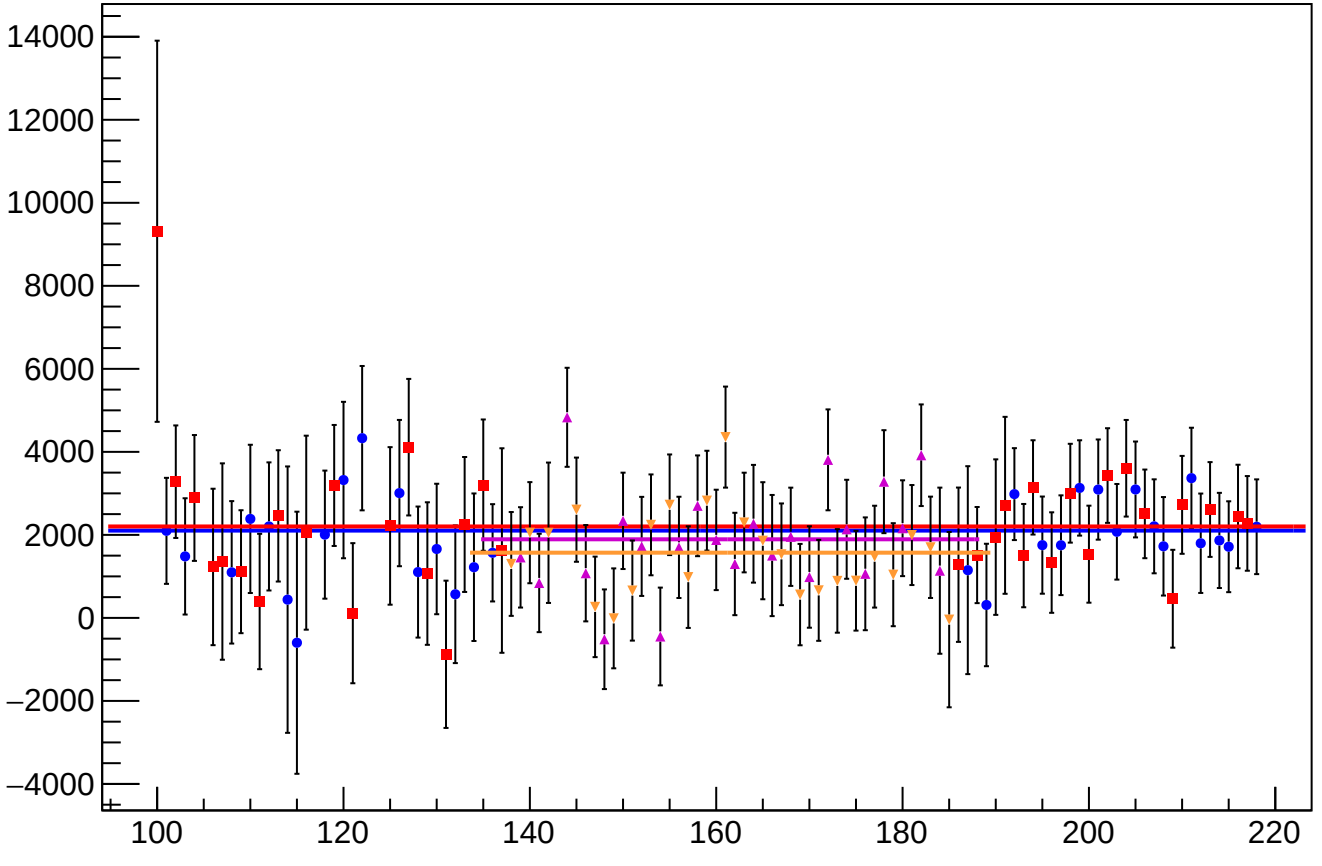
Right: 880.191+/-0.102 χ^2/NDF: 6499783.4/66

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

Out: 1051.506+/-0.127 χ^2/NDF:8573515.7/58

All: 1029.689+/-0.088 χ^2/NDF: 16975449.9/1

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: 2202.809+/-242.143 χ^2/NDF: 20.9/34

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

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

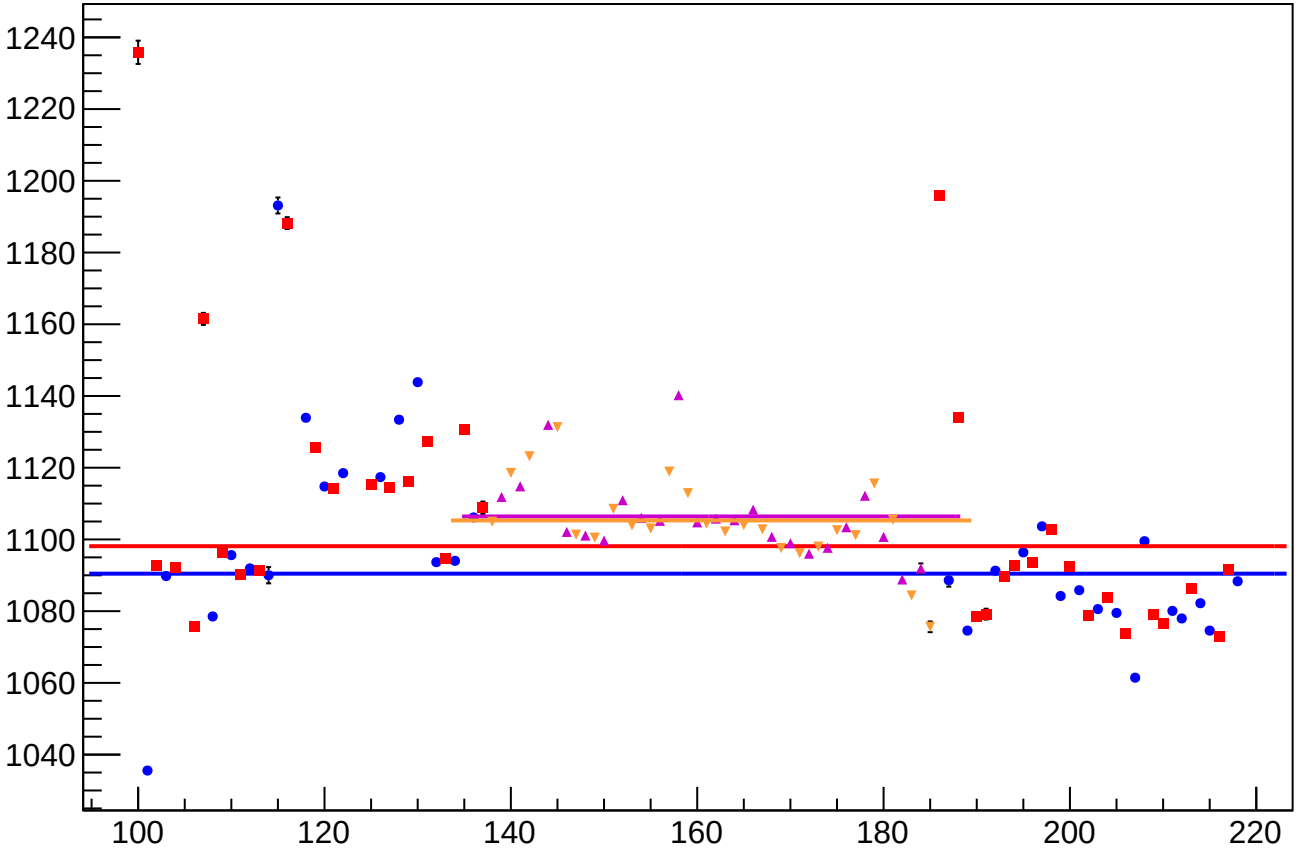
Right: 2153.160+/-171.364 χ^2/NDF: 32.7/66

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

Out: 1905.151+/-176.089 χ^2/NDF:39.5/58

All: 1954.847+/-124.774 χ^2/NDF: 75.8/113

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: 1098.114+/-0.171 χ^2/NDF: 21850.0/34

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

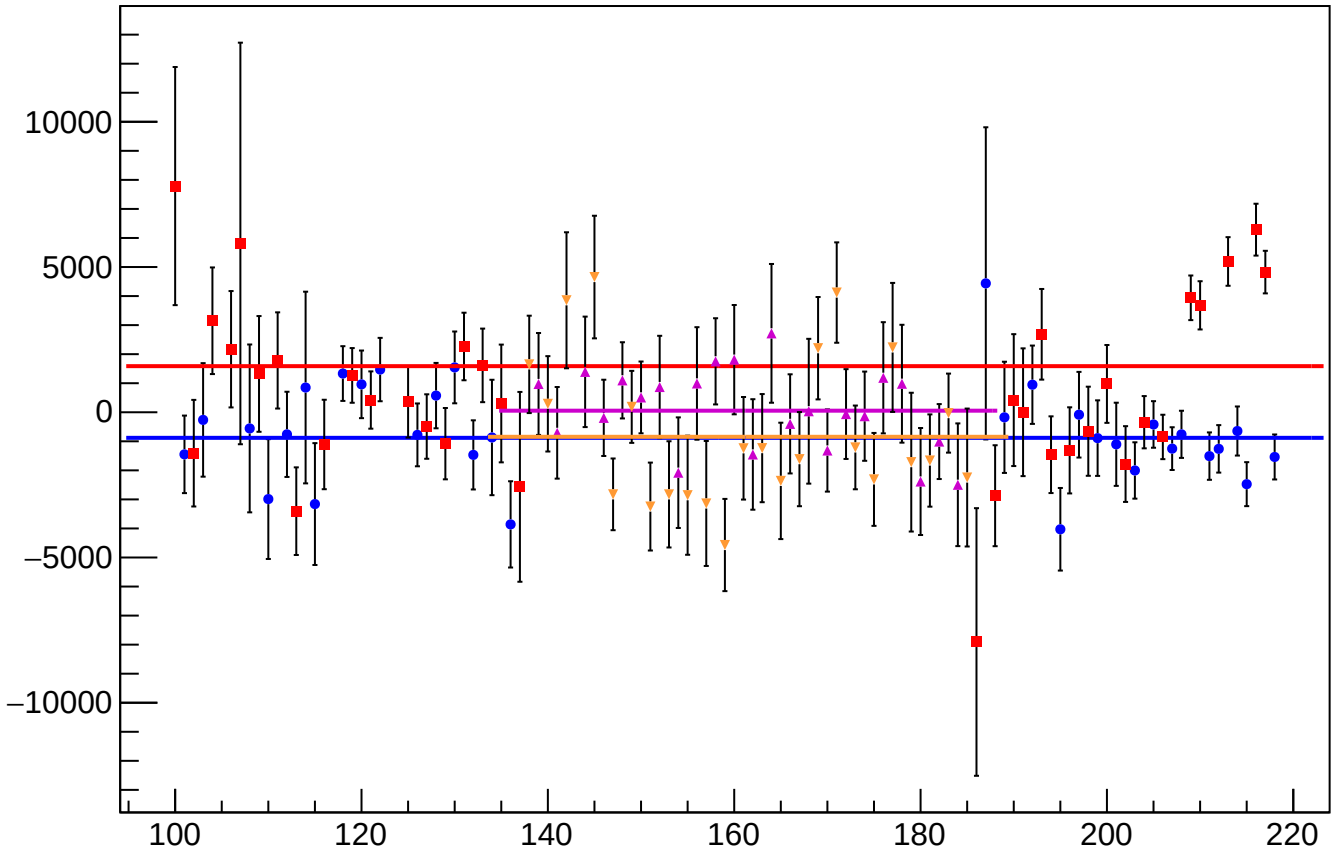
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1094.290+/-0.121 χ^2/NDF: 39109.3/66

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

Out: 1101.497+/-0.125 χ^2/NDF:25840.5/58

All: 1099.719+/-0.088 χ^2/NDF: 50339.0/113



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: 1587.298+/-209.309 χ^2/NDF: 159.9/34

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

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

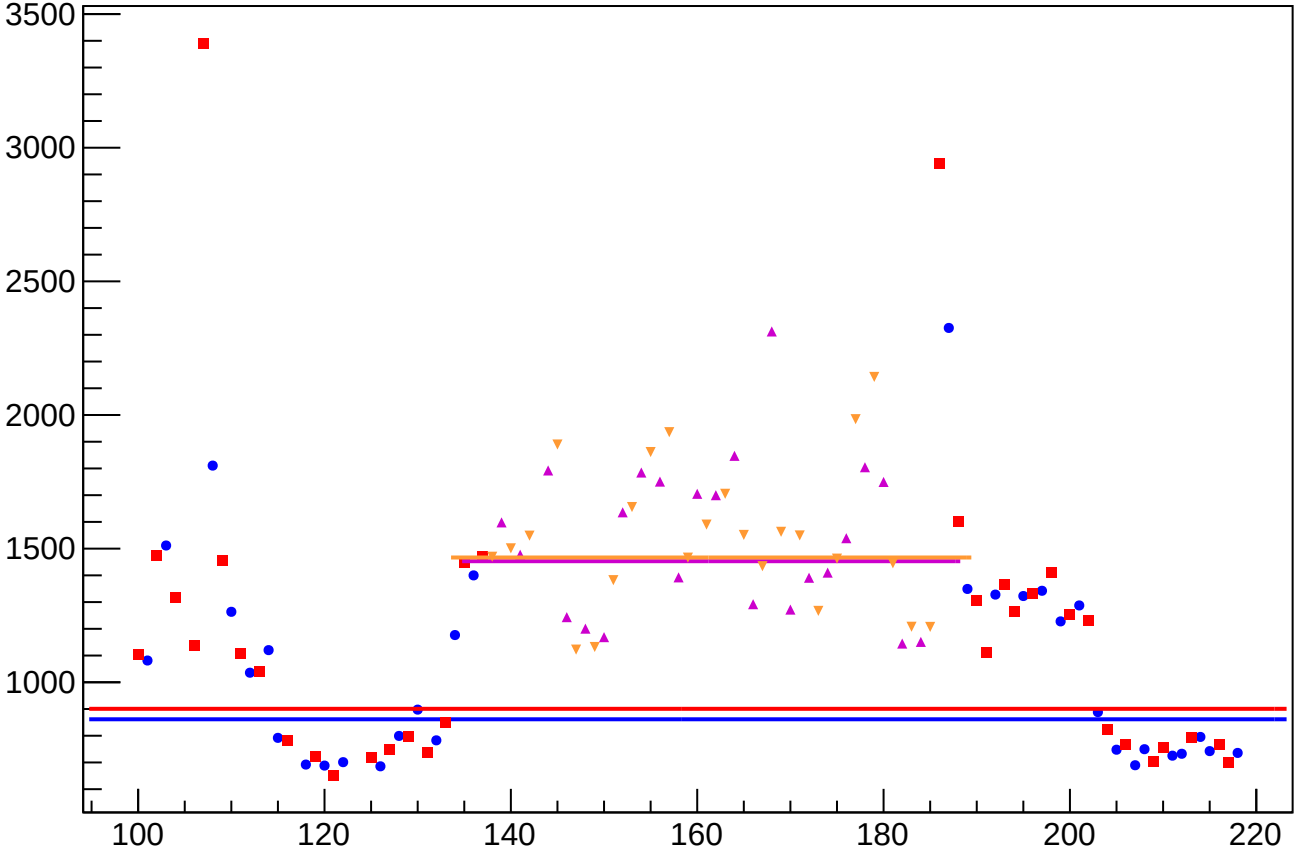
Right: 295.754+/-144.498 χ^2/NDF: 274.1/66

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

Out: 939.454+/-179.275 χ^2/NDF:240.0/58

All: 118.039+/-124.479 χ^2/NDF: 340.5/113

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: 900.687+/-0.148 χ^2/NDF: 3632166.0/34

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

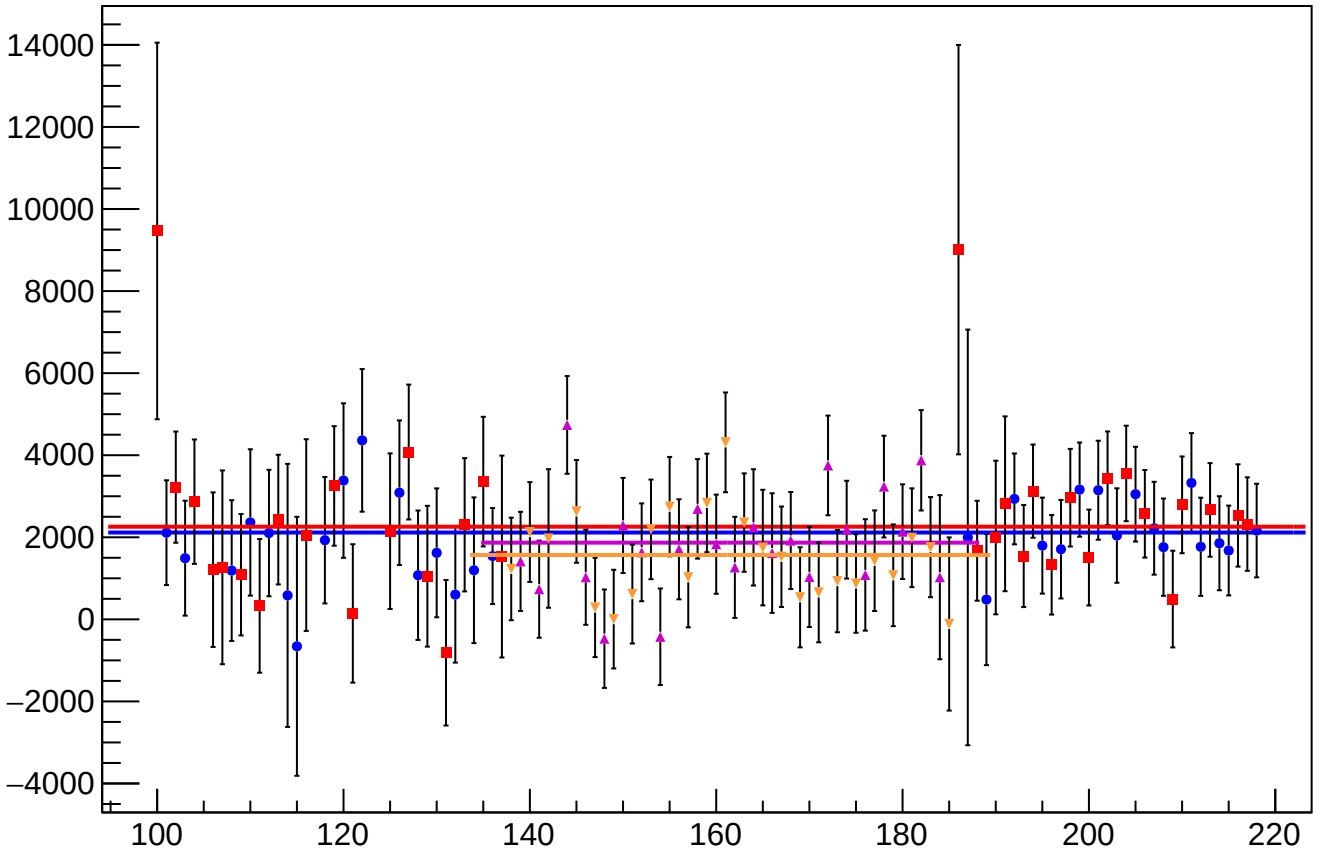
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 880.191+/-0.102 χ^2/NDF: 6499781.5/66

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

Out: 1051.506+/-0.127 χ^2/NDF:8573515.0/58

All: 1029.689+/-0.088 χ^2/NDF: 16975449.1/1



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: 2257.880+/-244.322 χ^2/NDF: 22.5/34

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

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

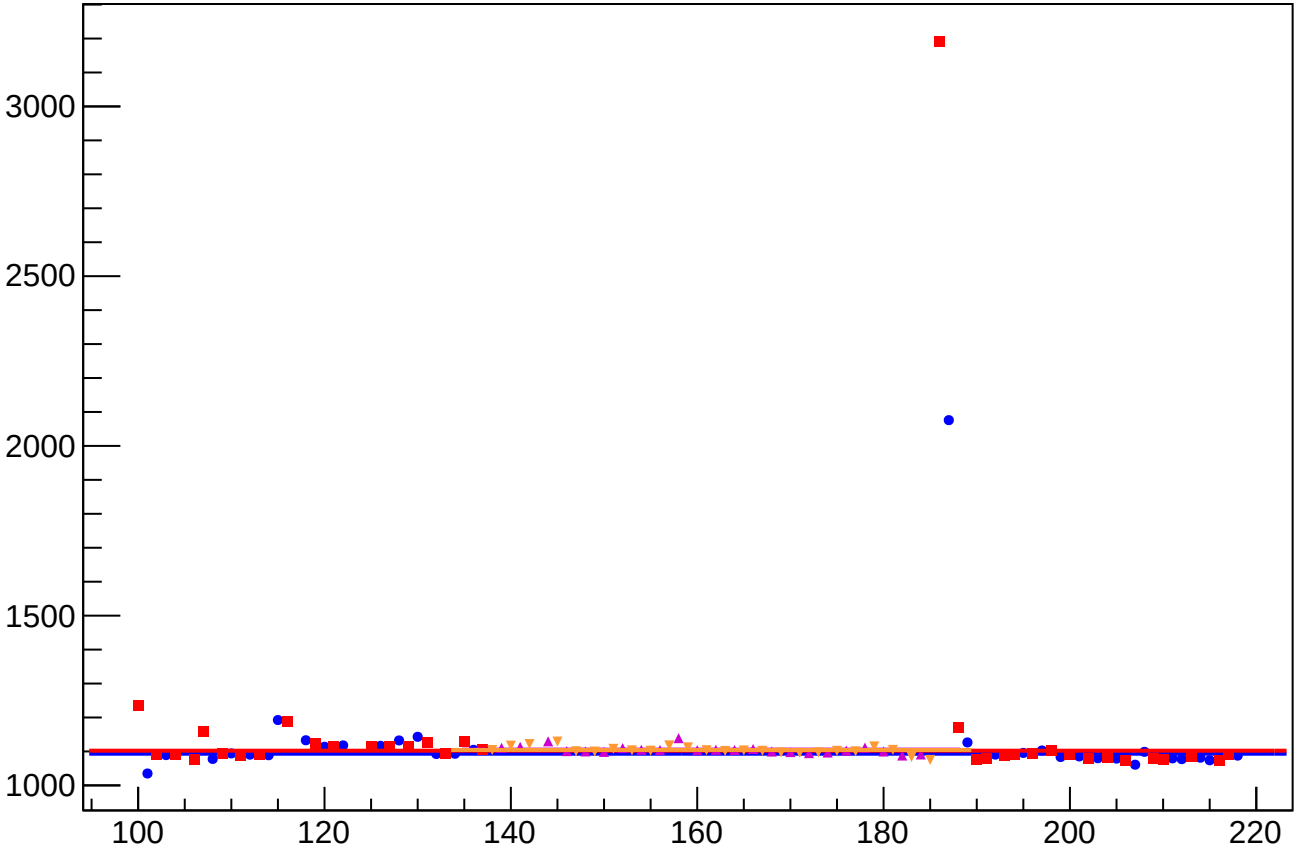
Right: 2186.788+/-172.559 χ^2/NDF: 33.8/66

In: 1999.734+/-177.213 χ^2/NDF:35.1/54

Out: 1929.803+/-176.843 χ^2/NDF:41.6/58

All: 1964.696+/-125.177 χ^2/NDF: 76.8/113

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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: 1102.191+/-0.173 χ^2/NDF: 372901.5/34

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

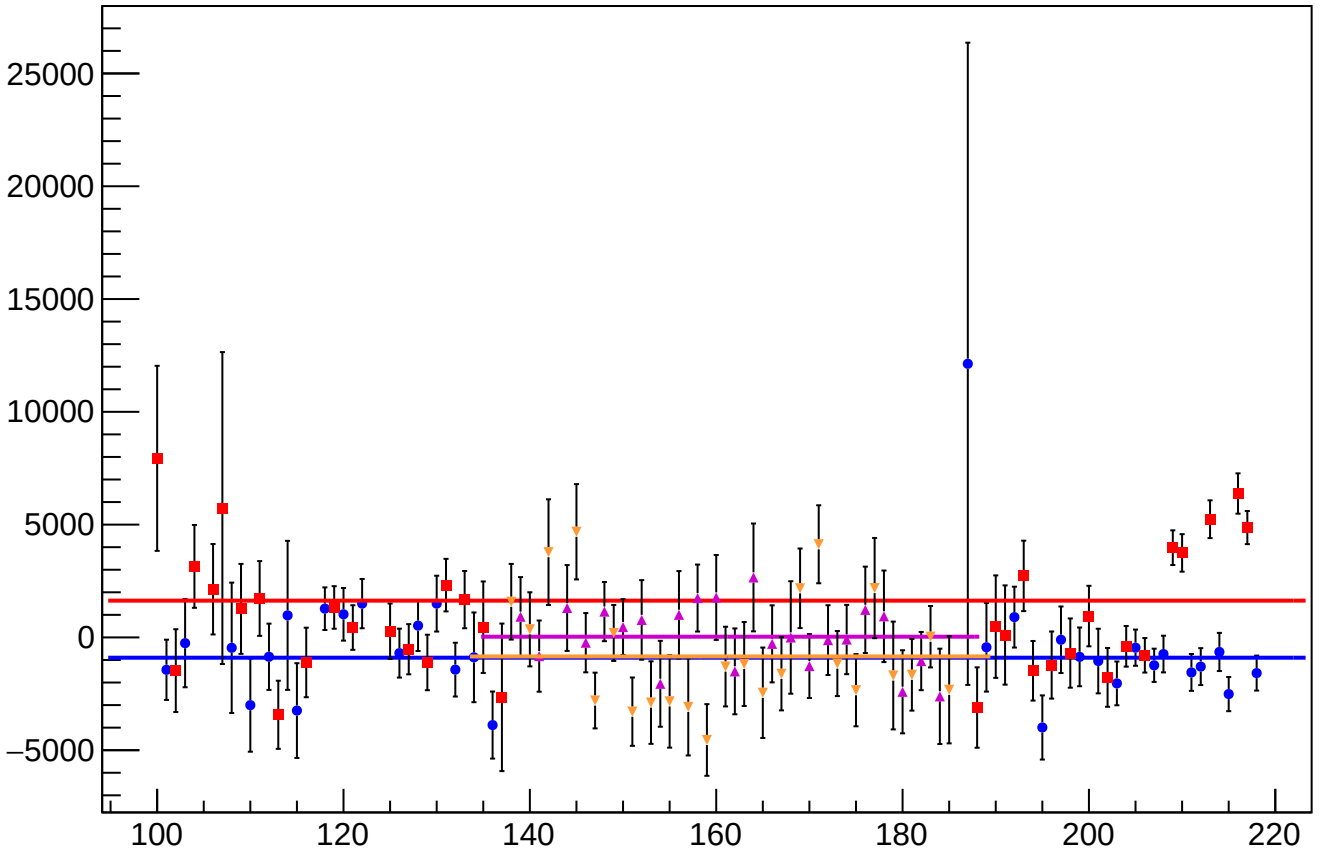
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1097.738+/-0.122 χ^2/NDF: 466521.8/66

In: 1098.998+/-0.125 χ^2/NDF:98269.4/54

Out: 1103.175+/-0.125 χ^2/NDF:375968.9/58

All: 1101.091+/-0.089 χ^2/NDF: 474795.1/113



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: 1630.216+/-209.852 χ^2/NDF: 158.7/33

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

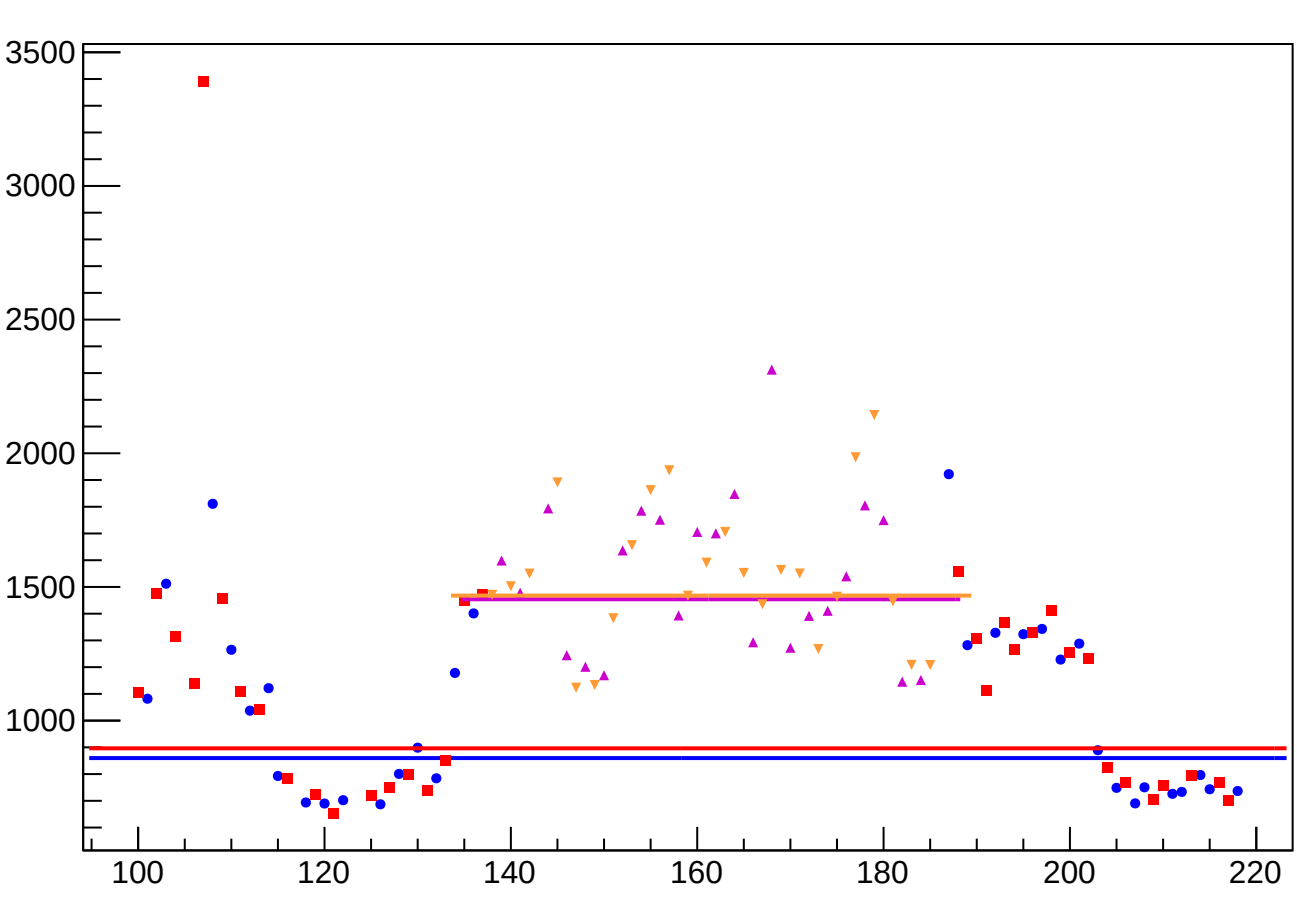
Left: -404.203+/-245.256 χ^2/NDF: 60.3/46

Right: 305.493+/-144.834 χ^2/NDF: 276.0/65

In: -666.271+/-173.267 χ^2/NDF:59.7/54

Out: 969.330+/-179.643 χ^2/NDF:239.9/57

All: 121.990+/-124.711 χ^2/NDF: 342.5/112



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: 896.370+/-0.148 χ^2/NDF: 3173878.5/33

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

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

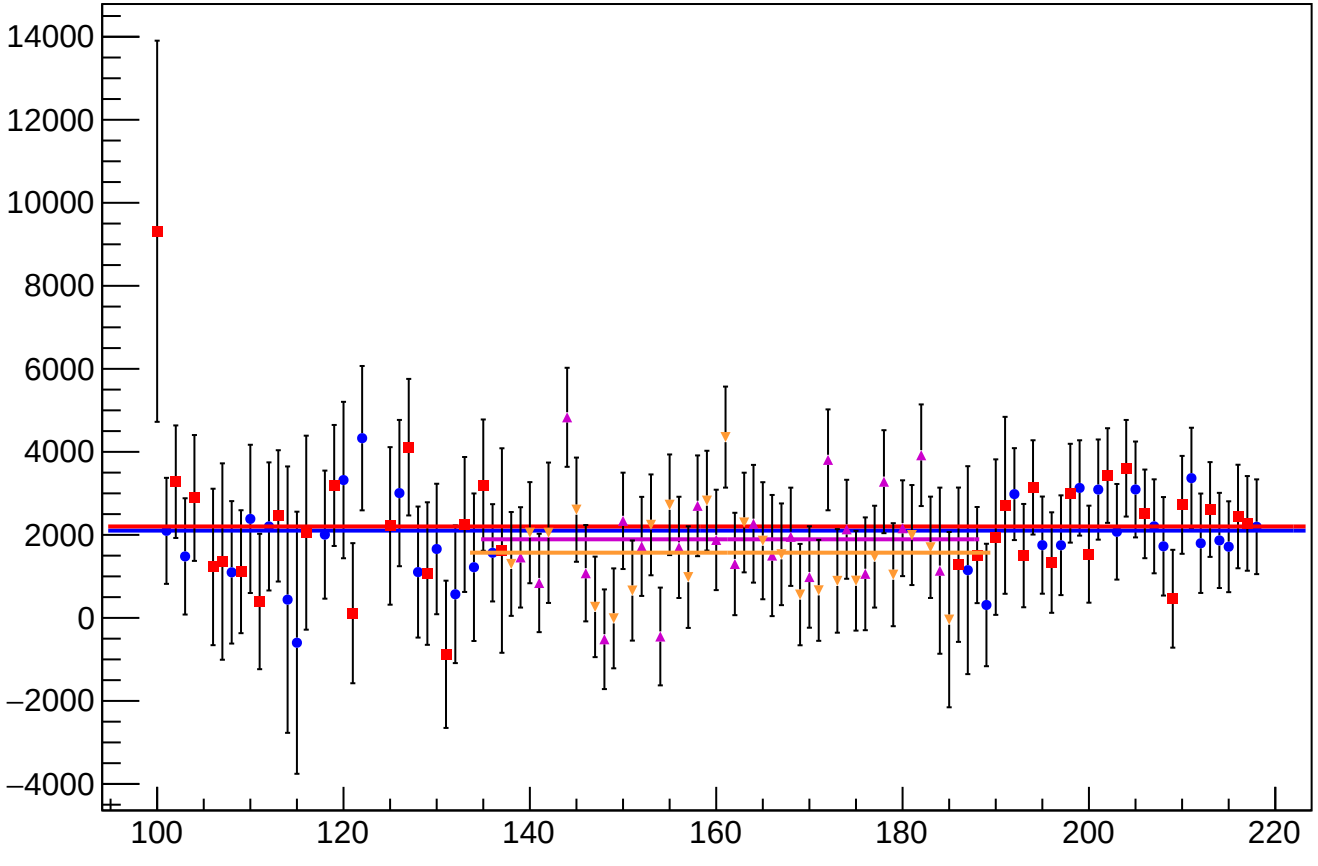
Right: 877.247+/-0.102 χ^2/NDF: 5853591.1/65

In: 1008.673+/-0.123 χ^2/NDF:8189440.9/54

Out: 1049.021+/-0.127 χ^2/NDF:8176606.9/57

All: 1028.118+/-0.088 χ^2/NDF: 16418314.9/1

eigen_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: 2202.809+/-242.143 χ^2/NDF: 20.9/34

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

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

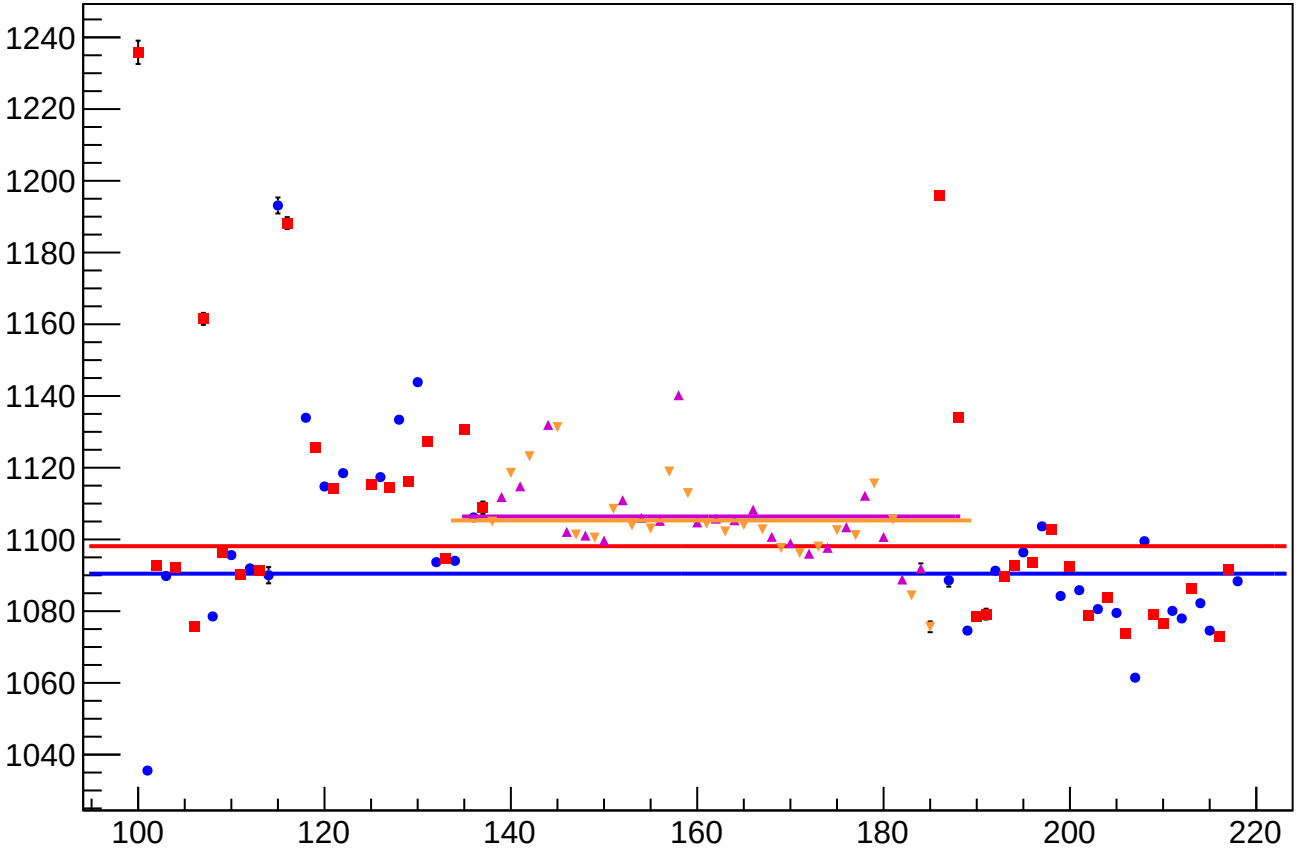
Right: 2153.160+/-171.364 χ^2/NDF: 32.7/66

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

Out: 1905.151+/-176.089 χ^2/NDF:39.5/58

All: 1954.847+/-124.774 χ^2/NDF: 75.8/113

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: 1098.114+/-0.171 χ^2/NDF: 21850.0/34

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

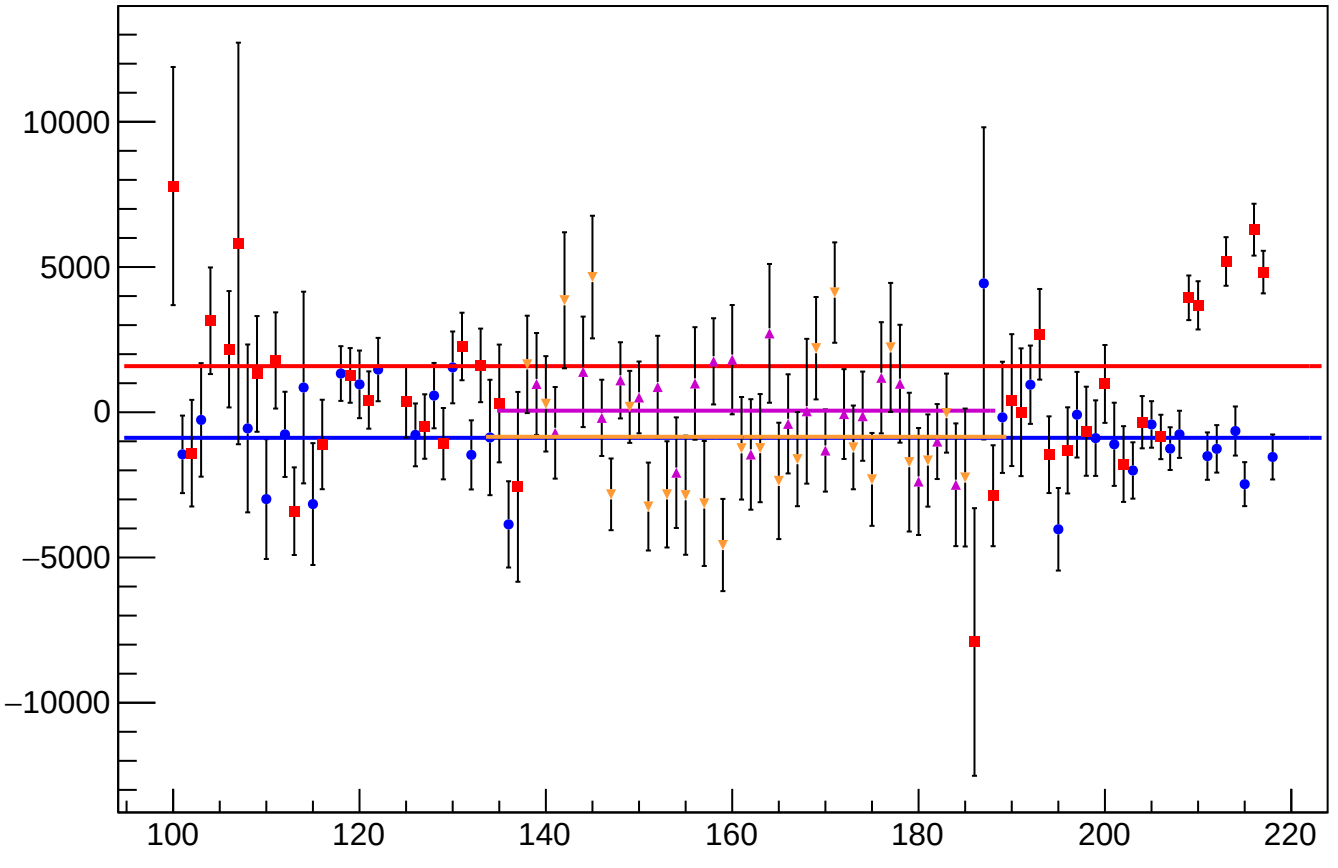
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1094.290+/-0.121 χ^2/NDF: 39109.3/66

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

Out: 1101.497+/-0.125 χ^2/NDF:25840.5/58

All: 1099.719+/-0.088 χ^2/NDF: 50339.0/113



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: 1587.298+/-209.309 χ^2/NDF: 159.9/34

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

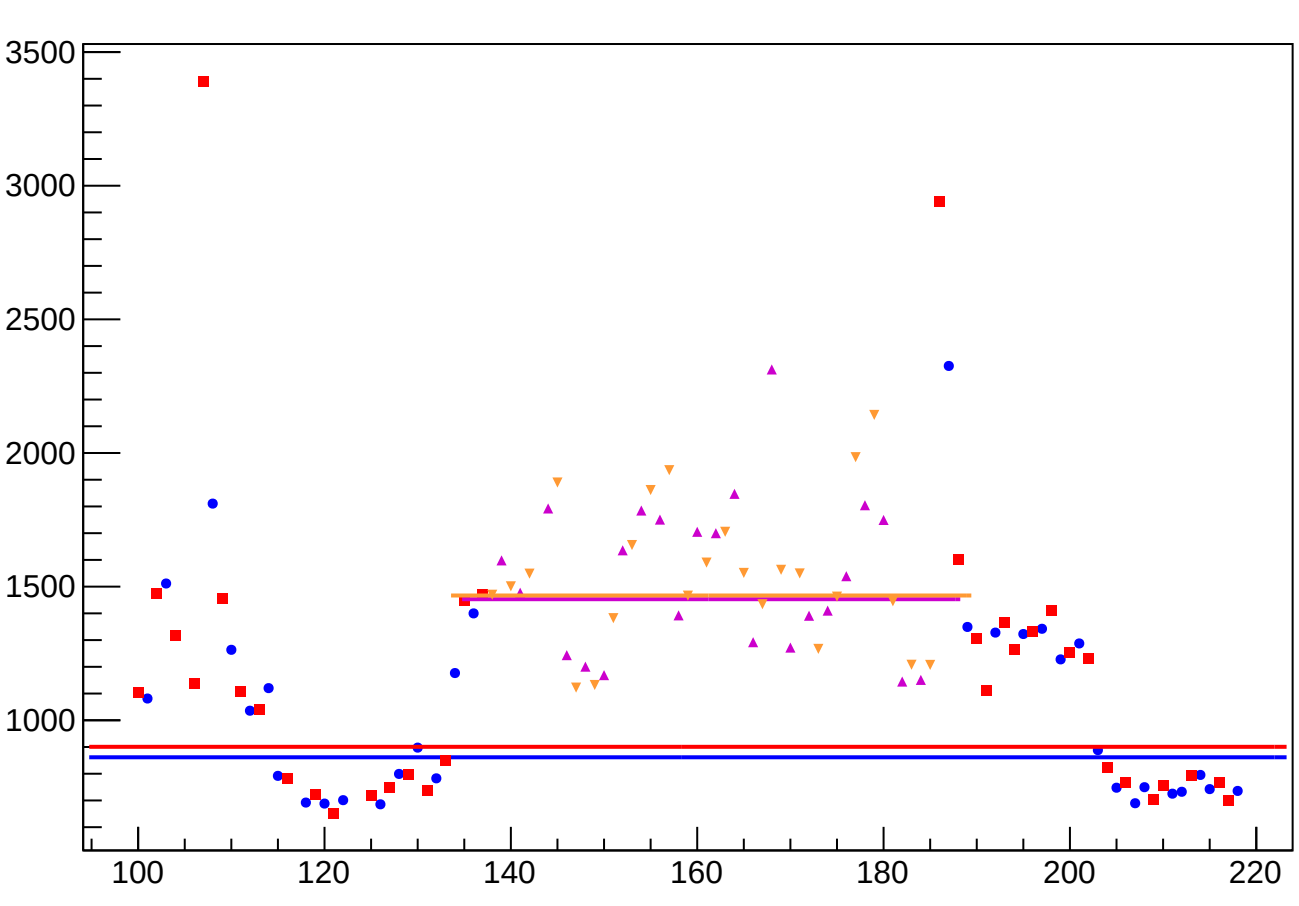
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 295.754+/-144.498 χ^2/NDF: 274.1/66

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

Out: 939.454+/-179.275 χ^2/NDF:240.0/58

All: 118.039+/-124.479 χ^2/NDF: 340.5/113



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: 900.687+/-0.148 χ^2/NDF: 3632166.0/34

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

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

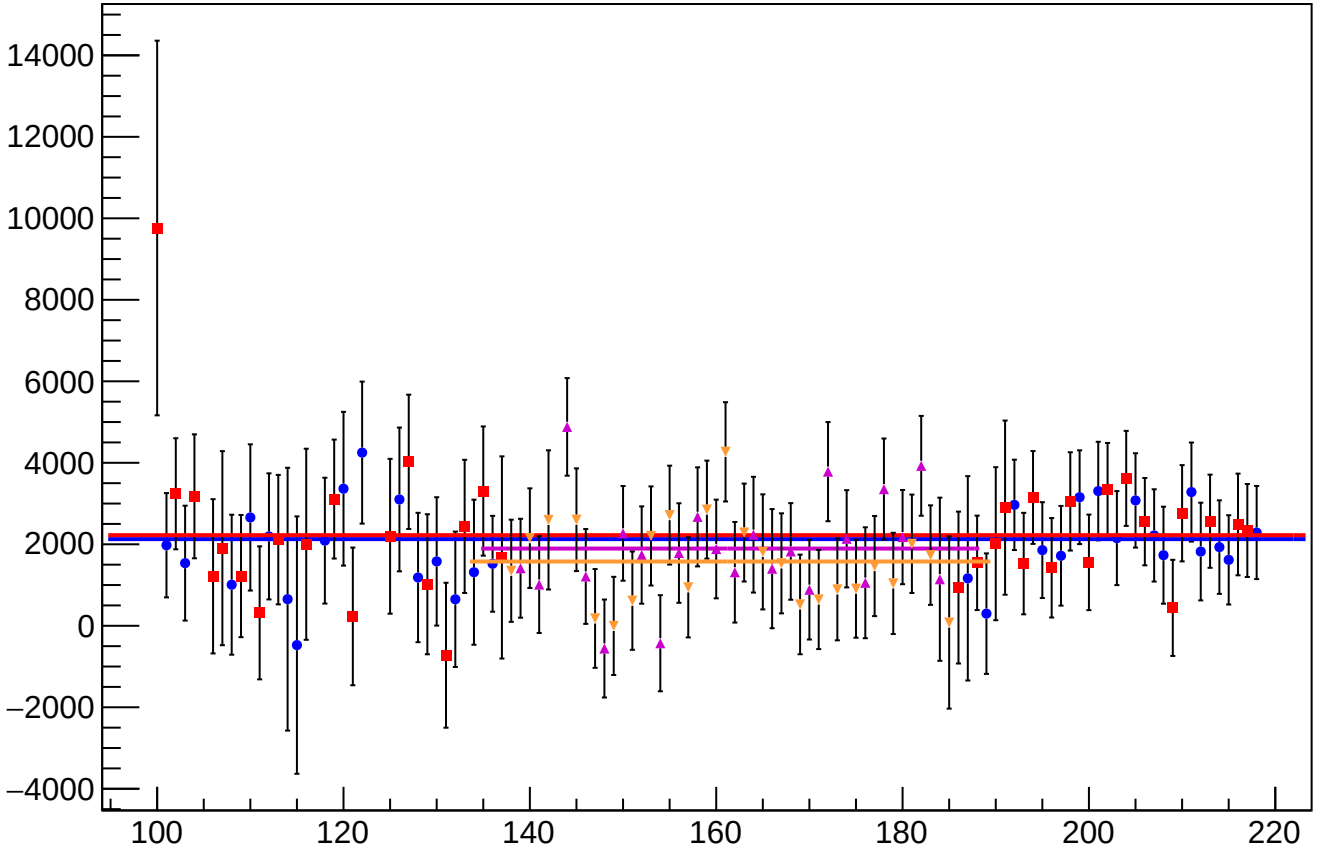
Right: 880.191+/-0.102 χ^2/NDF: 6499781.5/66

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

Out: 1051.506+/-0.127 χ^2/NDF:8573515.0/58

All: 1029.689+/-0.088 χ^2/NDF: 16975449.1/1

dit_asym_usl_mean vs Slug, Sign Corrected



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: 2223.896+/-242.930 χ^2/NDF: 20.7/34

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

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

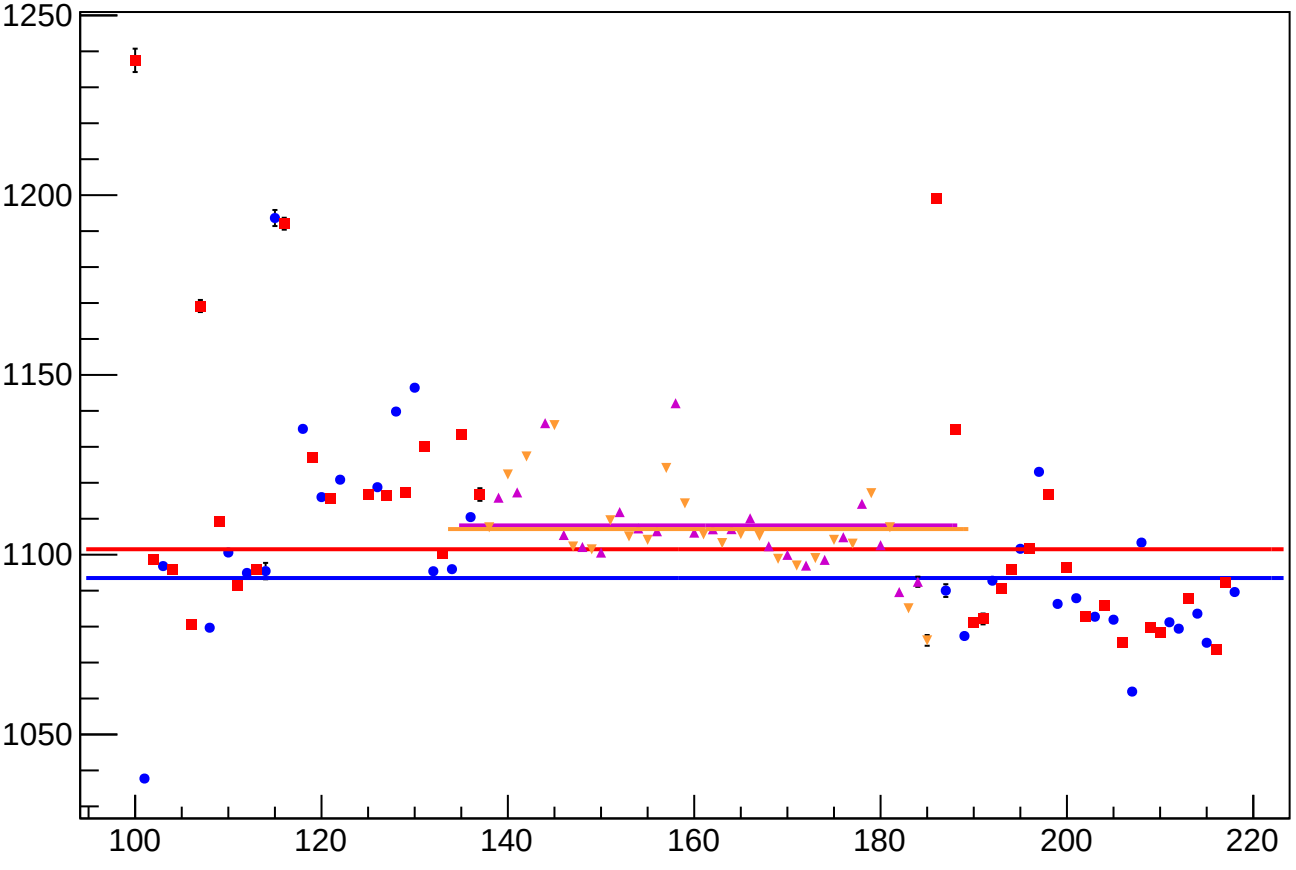
Right: 2175.377+/-171.888 χ^2/NDF: 32.6/66

In: 2018.275+/-177.228 χ^2/NDF:36.3/54

Out: 1918.833+/-176.543 χ^2/NDF:39.6/58

All: 1968.361+/-125.076 χ^2/NDF: 76.0/113

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: 1101.517+/-0.172 χ^2/NDF: 22433.5/34

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

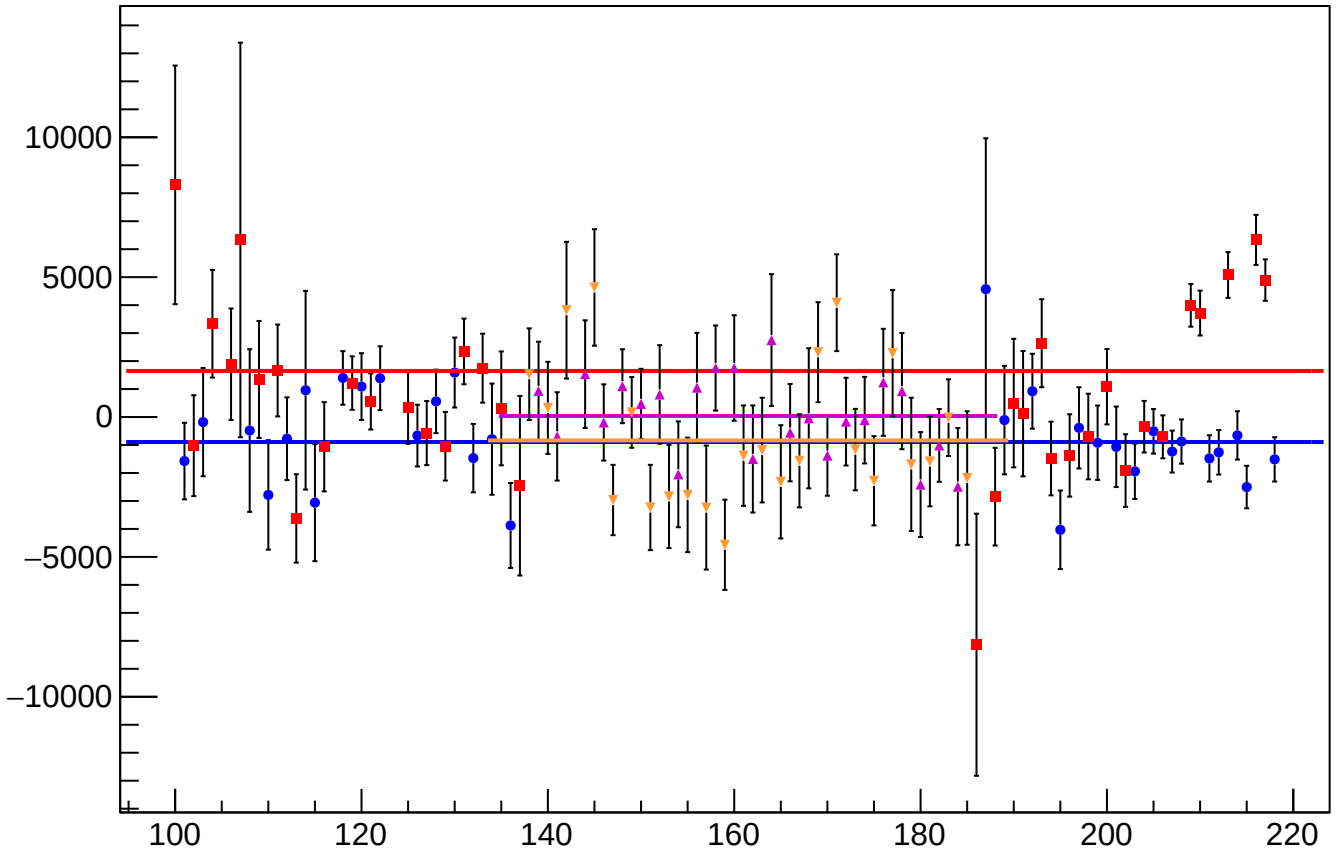
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1097.519+/-0.122 χ^2/NDF: 41397.2/66

In: 1100.376+/-0.125 χ^2/NDF:25465.8/54

Out: 1104.164+/-0.125 χ^2/NDF:26720.4/58

All: 1102.277+/-0.088 χ^2/NDF: 52644.8/113



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: 1648.370+/-210.273 χ^2/NDF: 159.7/34

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

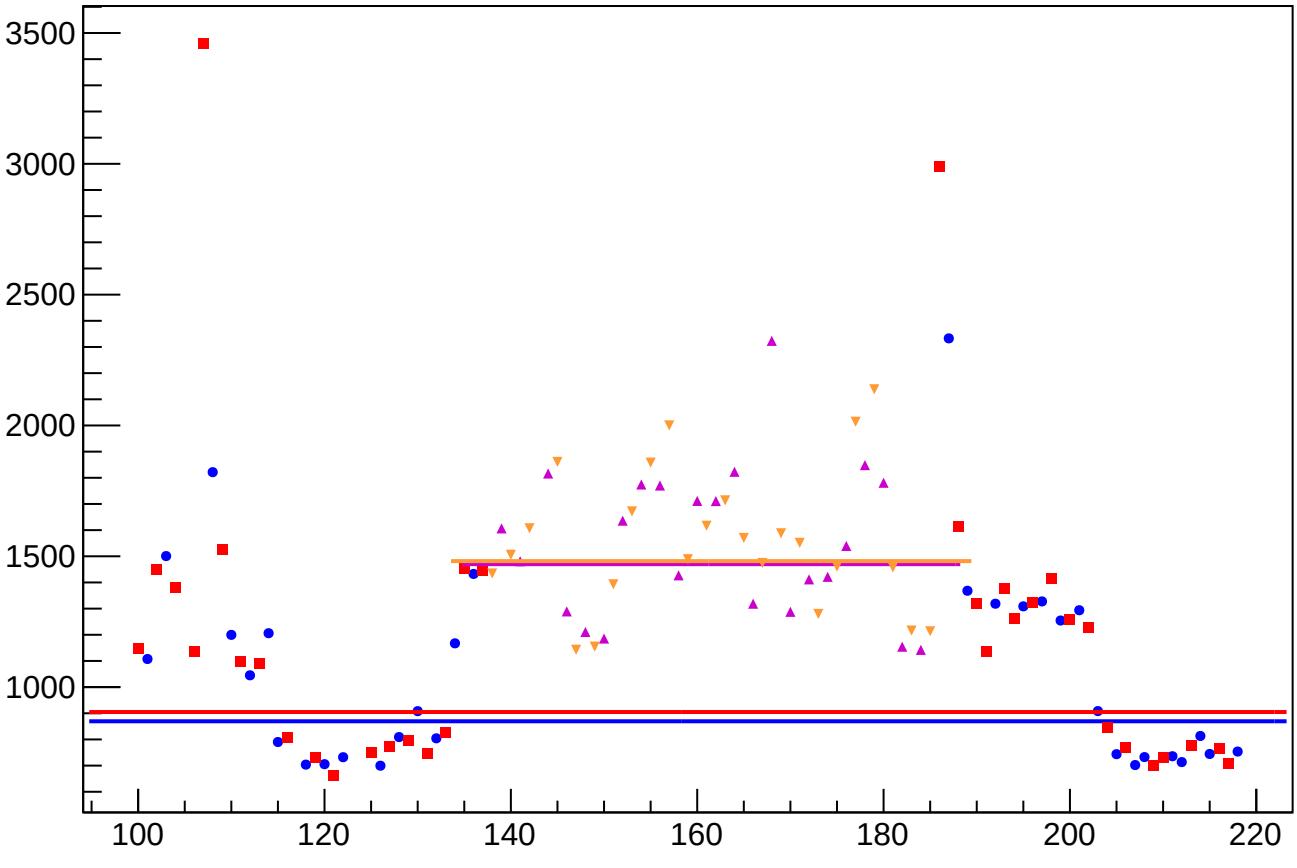
Left: -398.668+/-247.575 χ^2/NDF: 59.8/46

Right: 322.247+/-145.408 χ^2/NDF: 276.4/66

In: -661.908+/-174.451 χ^2/NDF:58.9/54

Out: 991.373+/-180.329 χ^2/NDF:240.2/58

All: 137.345+/-125.382 χ^2/NDF: 342.5/113



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: 904.795+/-0.149 χ^2/NDF: 3667855.0/34

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

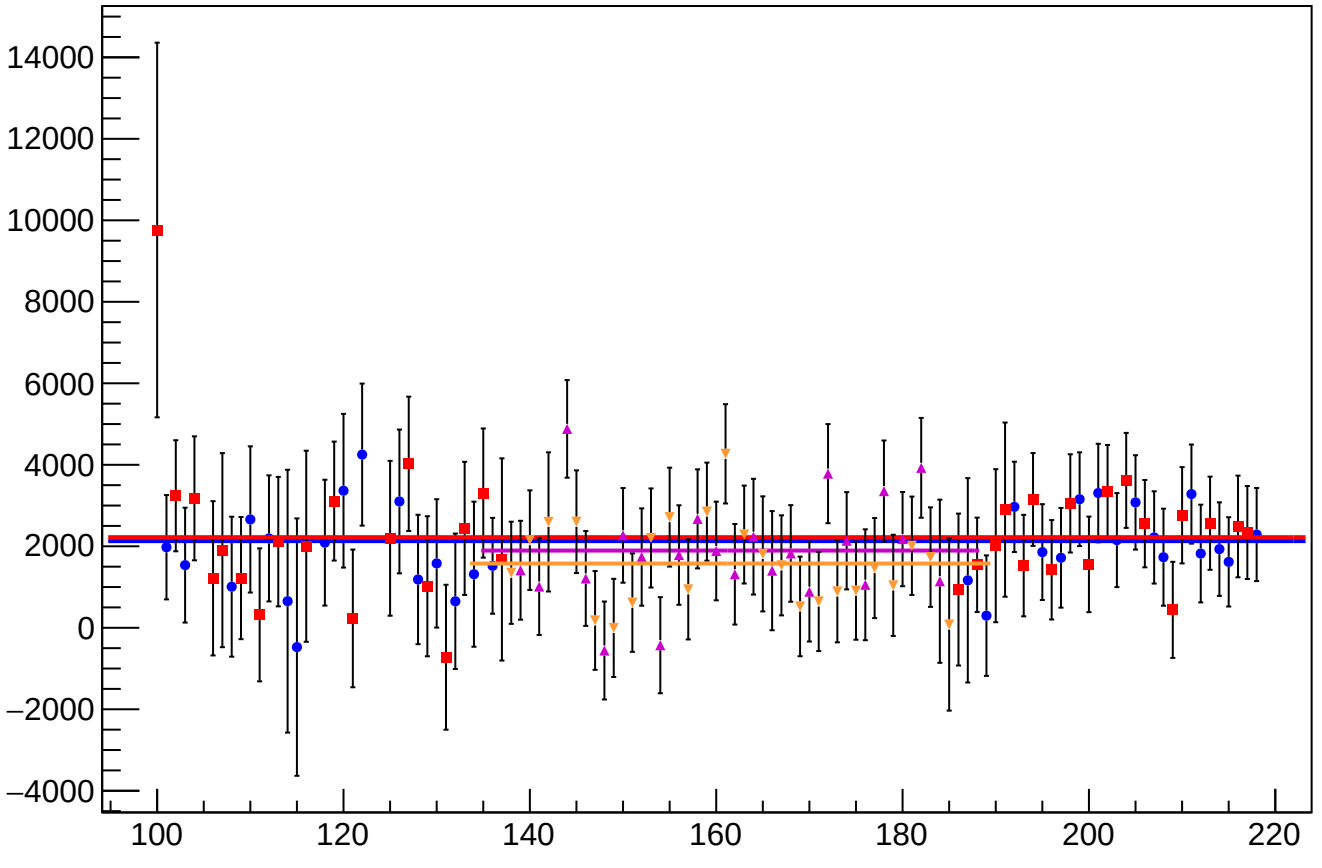
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

Right: 886.330+/-0.103 χ^2/NDF: 6486559.0/66

In: 1018.902+/-0.123 χ^2/NDF:8315099.9/54

Out: 1057.361+/-0.128 χ^2/NDF:8665547.5/58

All: 1037.495+/-0.089 χ^2/NDF: 17027638.1/1



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: 2223.894+/-242.930 χ^2/NDF: 20.7/34

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

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

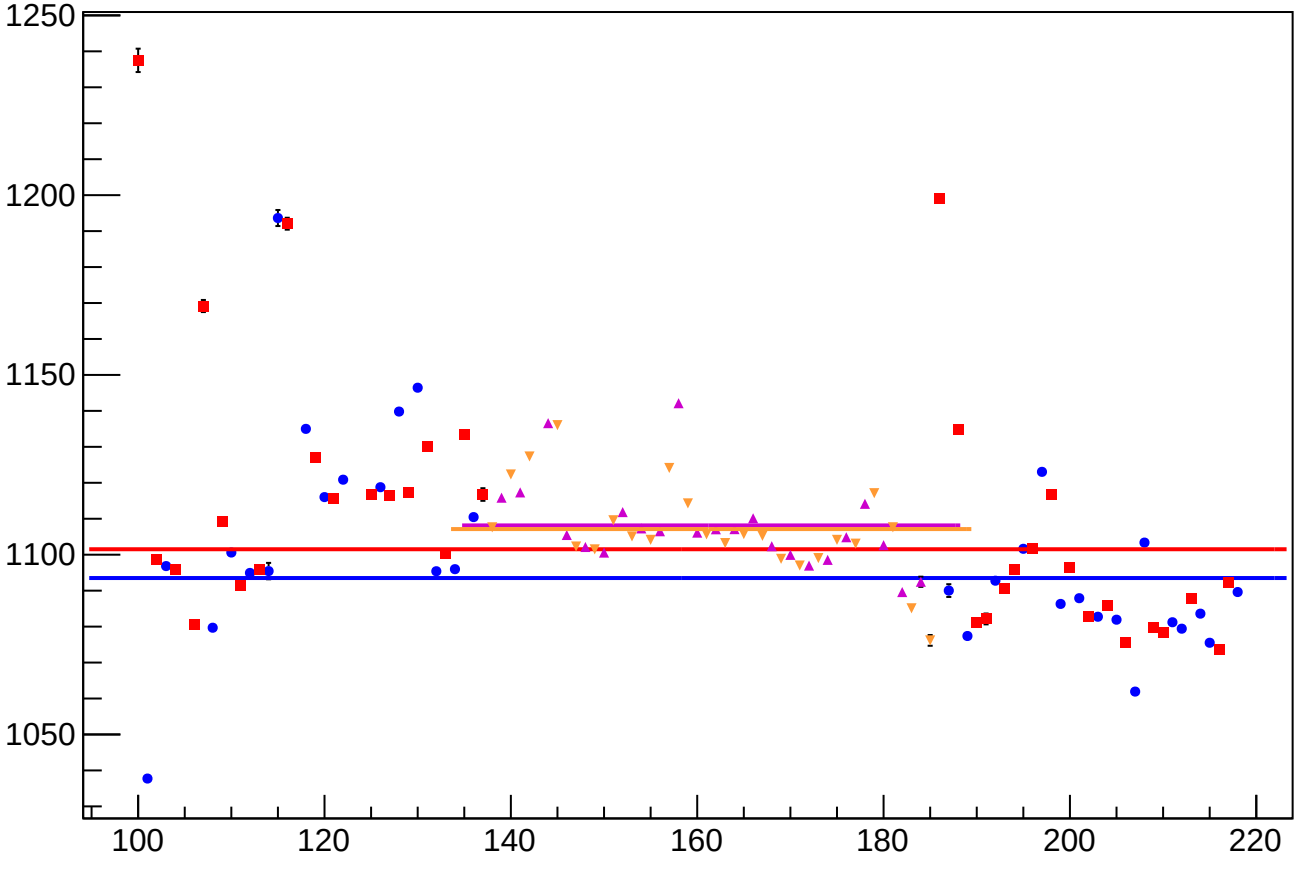
Right: 2175.376+/-171.888 χ^2/NDF: 32.6/66

In: 2018.275+/-177.228 χ^2/NDF:36.3/54

Out: 1918.831+/-176.543 χ^2/NDF:39.6/58

All: 1968.361+/-125.076 χ^2/NDF: 76.0/113

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: 1101.517+/-0.172 χ^2/NDF: 22433.4/34

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

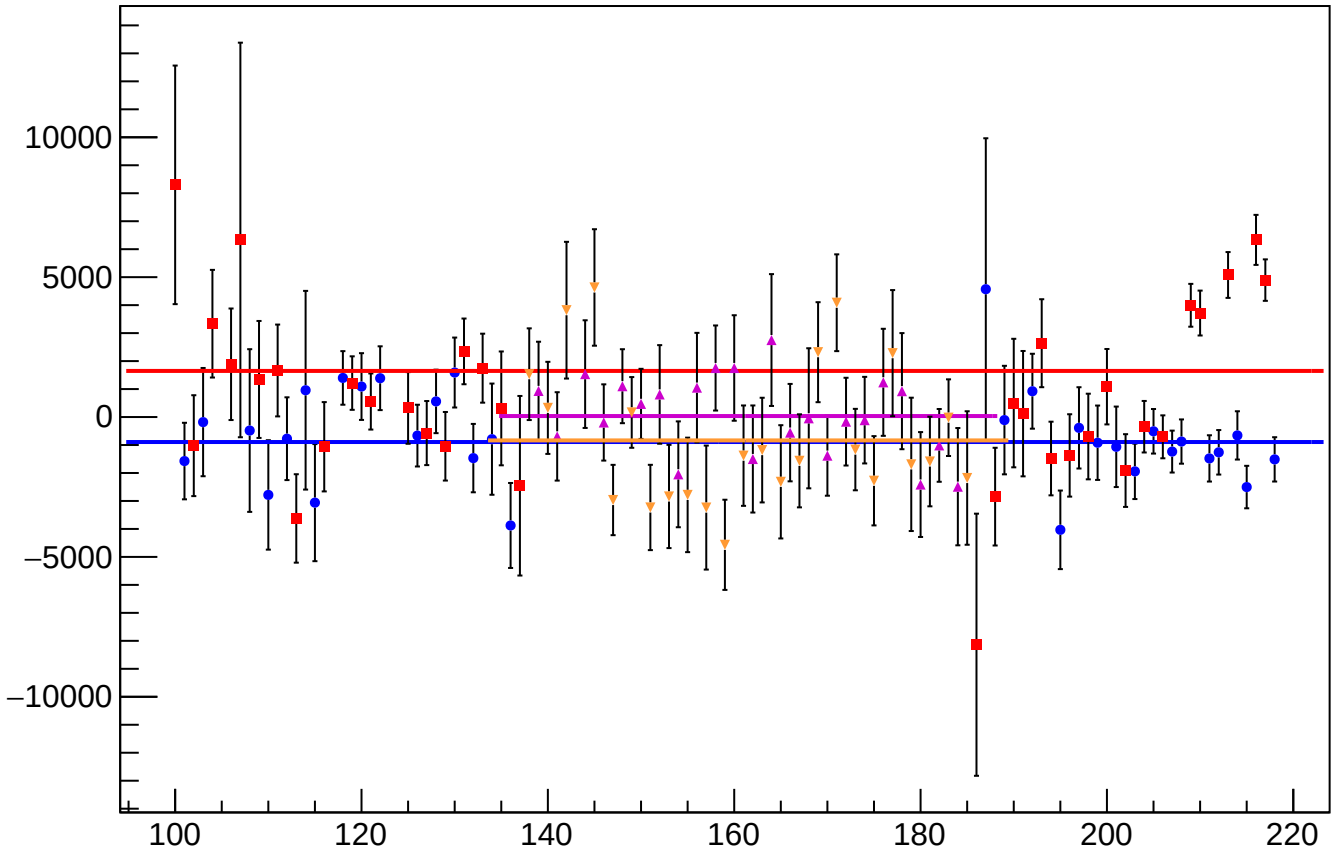
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1097.519+/-0.122 χ^2/NDF: 41397.1/66

In: 1100.376+/-0.125 χ^2/NDF:25465.8/54

Out: 1104.164+/-0.125 χ^2/NDF:26720.4/58

All: 1102.277+/-0.088 χ^2/NDF: 52644.8/113



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: 1648.367+/-210.273 χ^2/NDF: 159.7/34

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

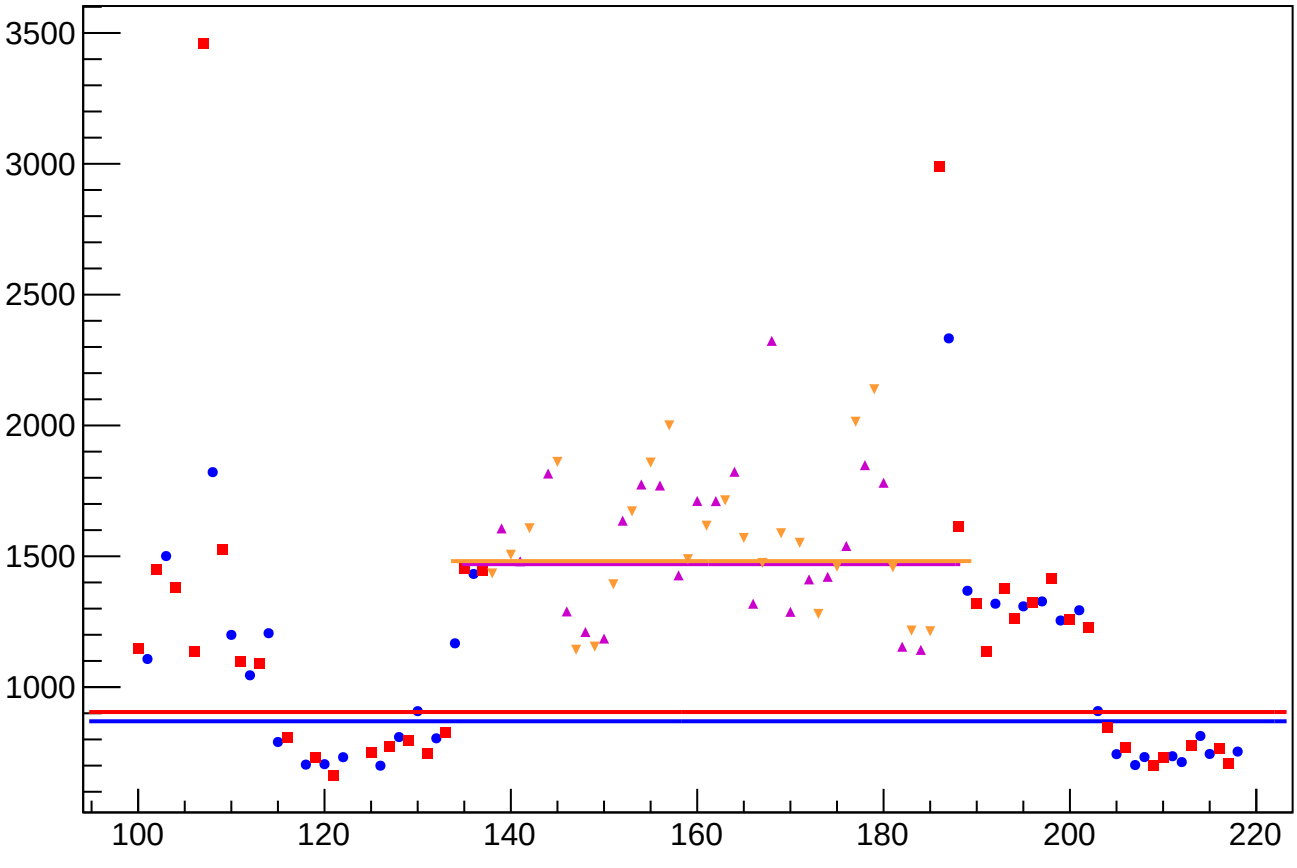
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: 322.246+/-145.408 χ^2/NDF: 276.4/66

In: -661.906+/-174.451 χ^2/NDF:58.9/54

Out: 991.371+/-180.329 χ^2/NDF:240.2/58

All: 137.345+/-125.382 χ^2/NDF: 342.5/113



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: 904.794+/-0.149 χ^2/NDF: 3667854.6/34

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

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

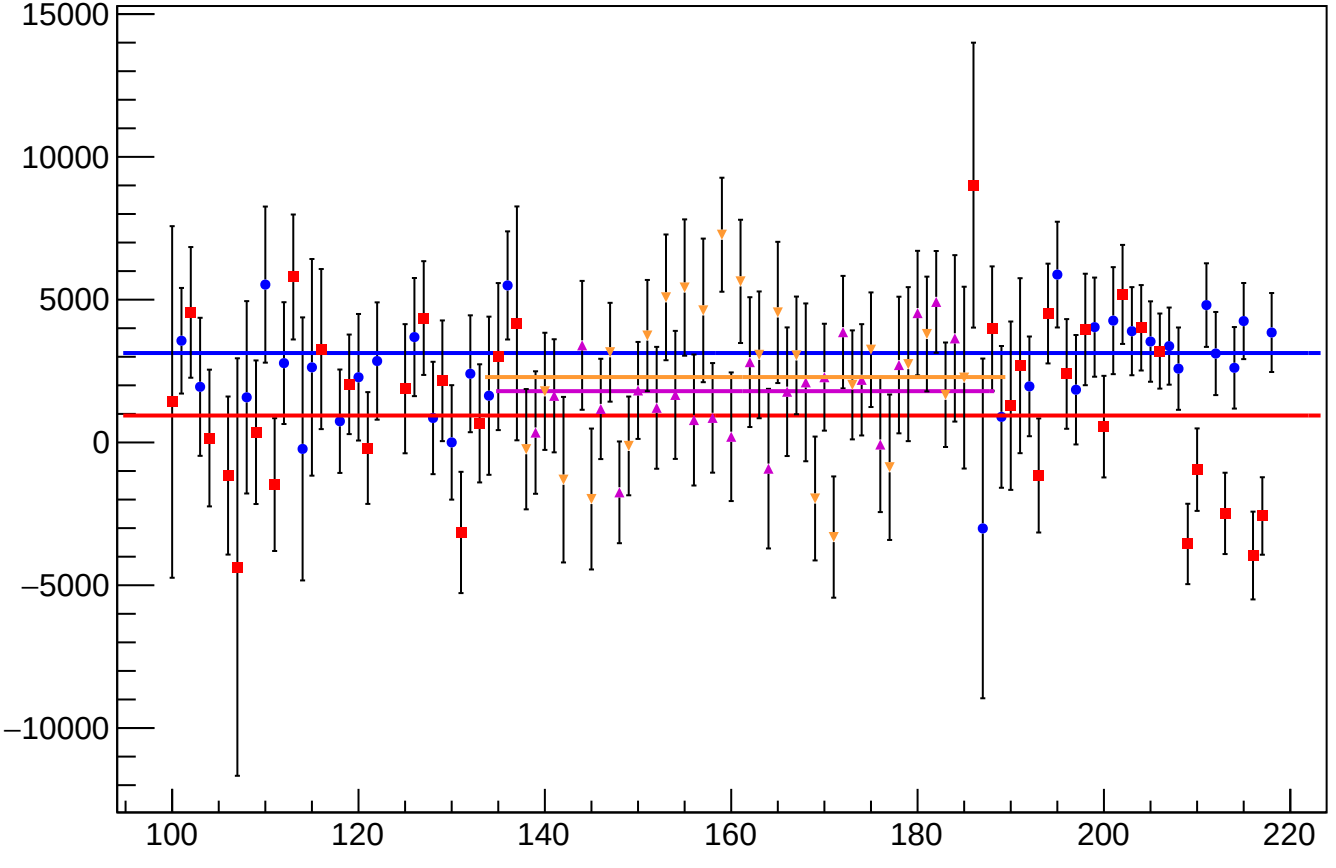
Right: 886.329+/-0.103 χ^2/NDF: 6486559.1/66

In: 1018.902+/-0.123 χ^2/NDF:8315118.9/54

Out: 1057.361+/-0.128 χ^2/NDF:8665565.9/58

All: 1037.494+/-0.089 χ^2/NDF: 17027675.5/1

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: 943.257+/-336.122 χ^2/NDF: 80.6/34

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

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

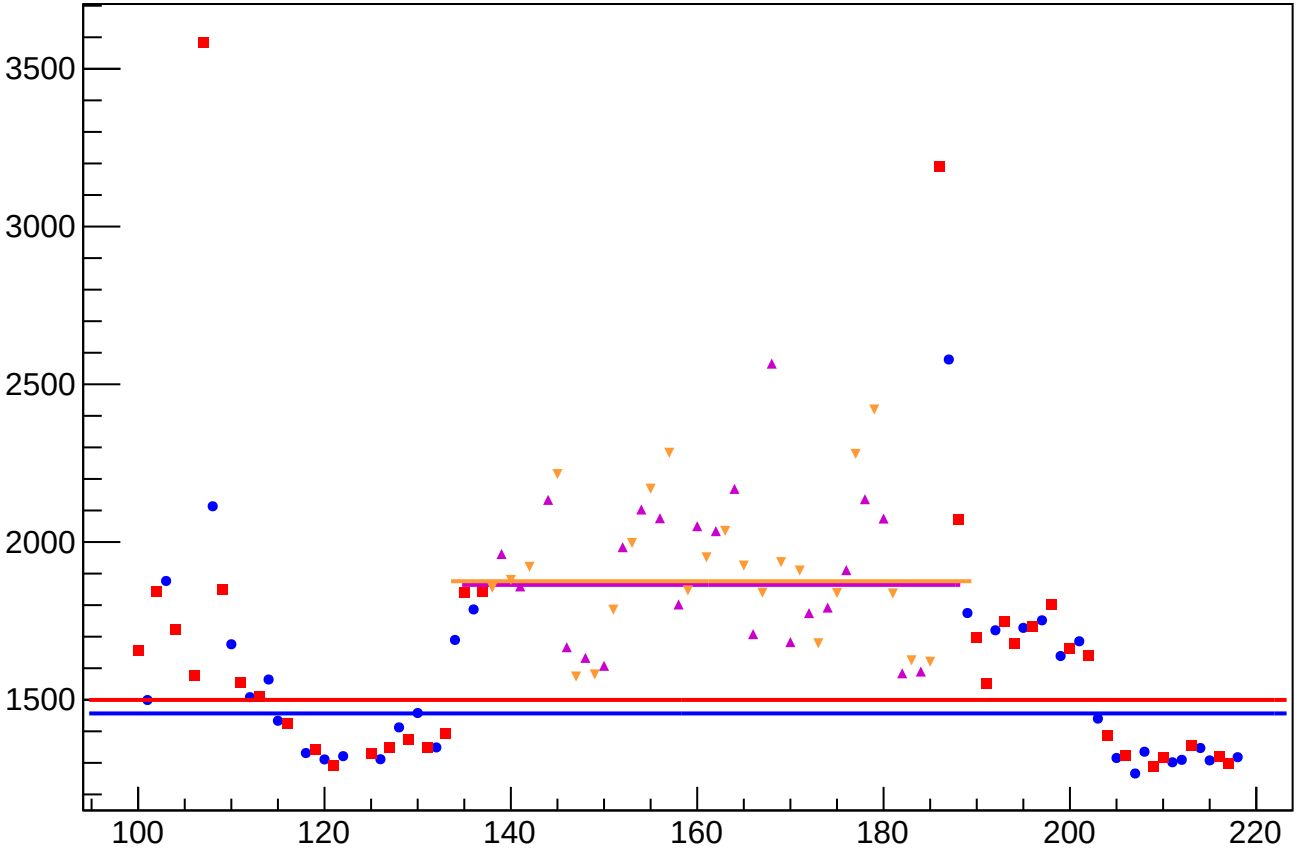
Right: 2066.015+/-234.546 χ^2/NDF: 120.5/66

In: 2654.440+/-262.503 χ^2/NDF:38.3/54

Out: 1440.397+/-266.953 χ^2/NDF:122.5/58

All: 2057.621+/-187.171 χ^2/NDF: 171.4/113

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: 1499.521+/-0.238 χ^2/NDF: 1153026.5/34

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

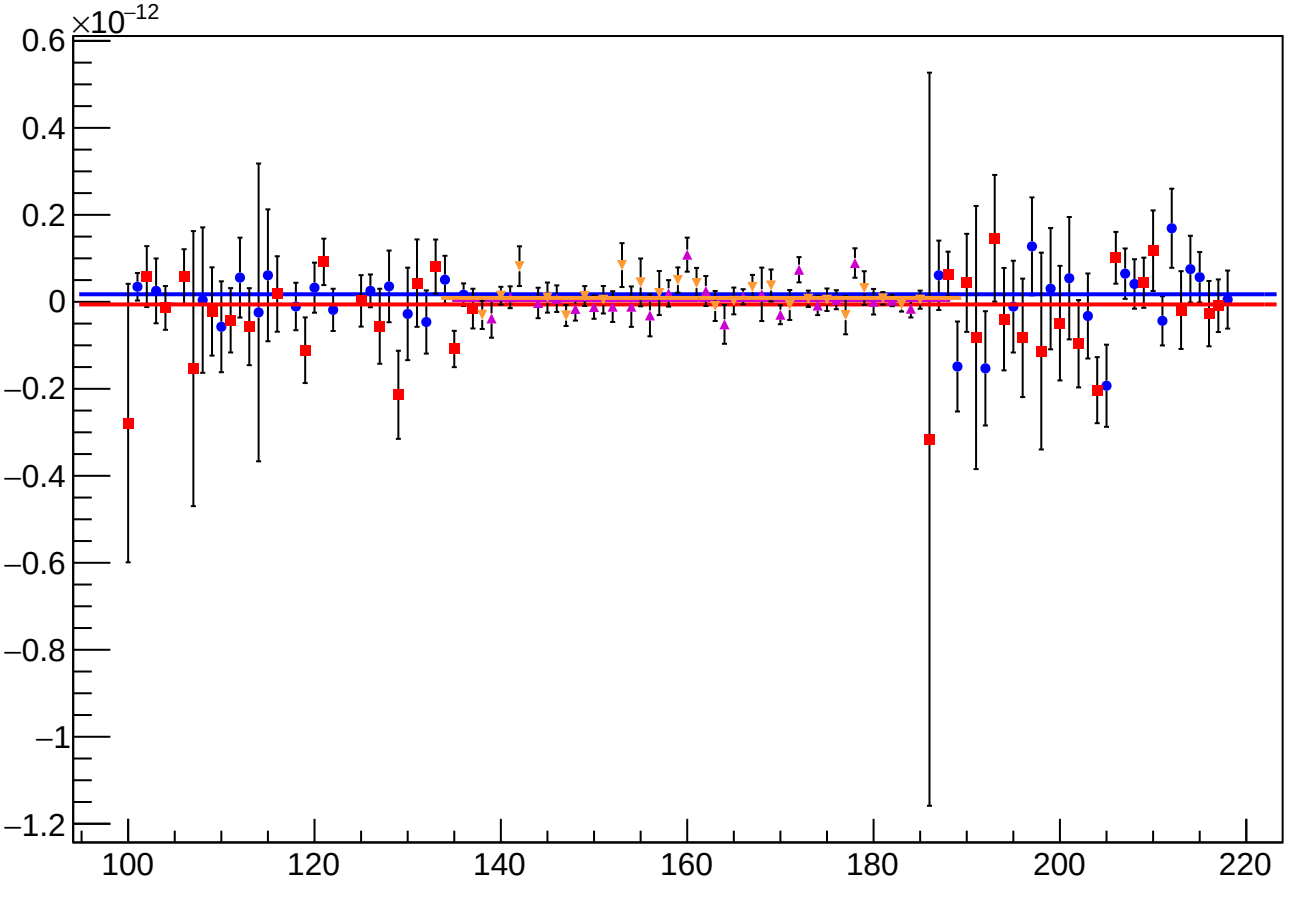
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1477.558+/-0.166 χ^2/NDF: 1906242.5/66

In: 1602.304+/-0.186 χ^2/NDF:2353688.0/54

Out: 1638.459+/-0.189 χ^2/NDF:2551108.6/58

All: 1620.078+/-0.132 χ^2/NDF: 4923448.6/11



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: 39.1/34

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

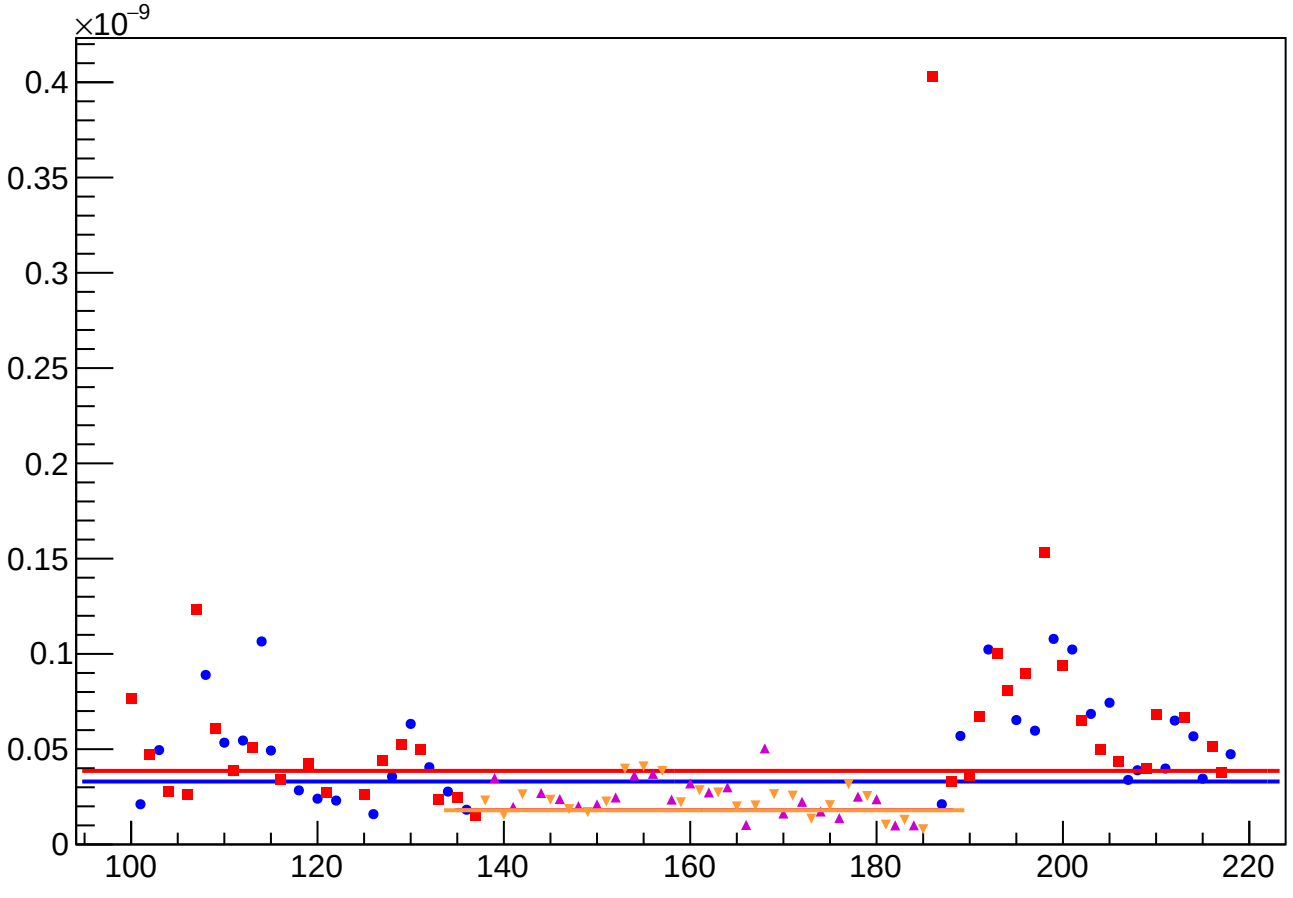
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 61.1/66

In: 0.000+/-0.000 χ^2/NDF:49.3/54

Out: 0.000+/-0.000 χ^2/NDF:56.8/58

All: 0.000+/-0.000 χ^2/NDF: 106.1/113



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: 4469230.6/34

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

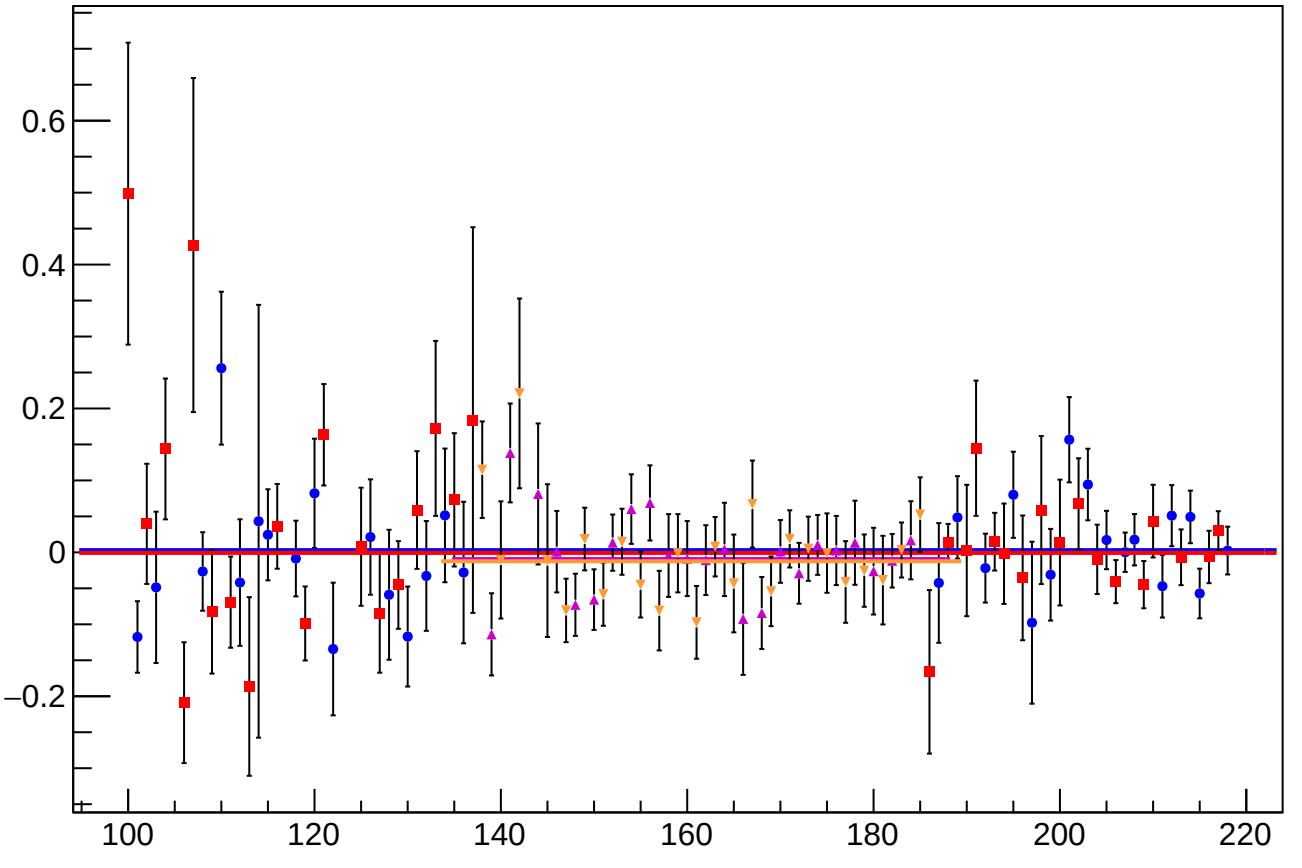
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 10300049.5/66

In: 0.000+/-0.000 χ^2/NDF:12679457.8/54

Out: 0.000+/-0.000 χ^2/NDF:12377328.6/58

All: 0.000+/-0.000 χ^2/NDF: 25057932.7/113



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: -0.001+/-0.009 χ^2/NDF: 48.9/34

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

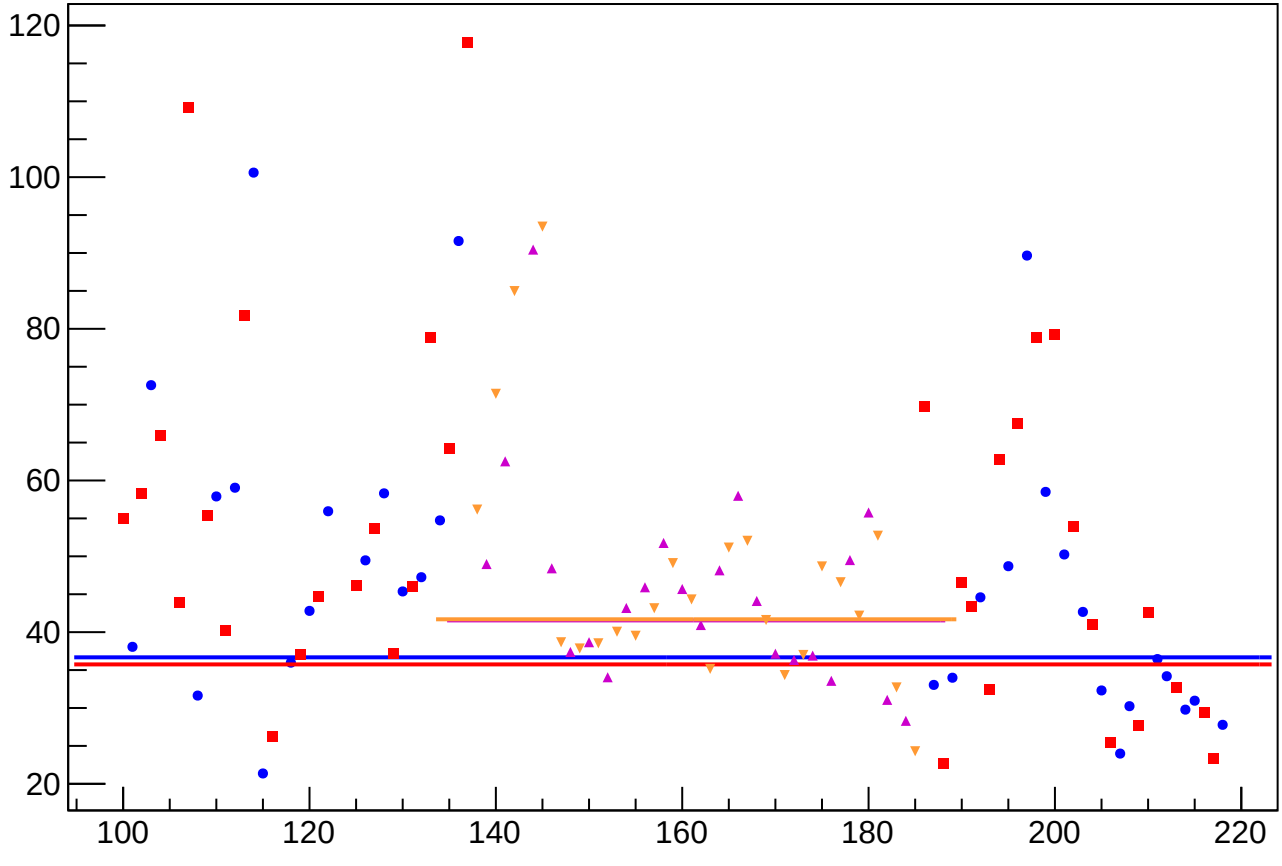
Right: 0.001+/-0.007 χ^2/NDF: 90.5/66

In: -0.002+/-0.007 χ^2/NDF:64.2/54

Out: -0.006+/-0.007 χ^2/NDF:71.5/58

All: -0.004+/-0.005 χ^2/NDF: 135.9/113

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: 35.747+/-0.007 χ^2/NDF: 5031716.8/34

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

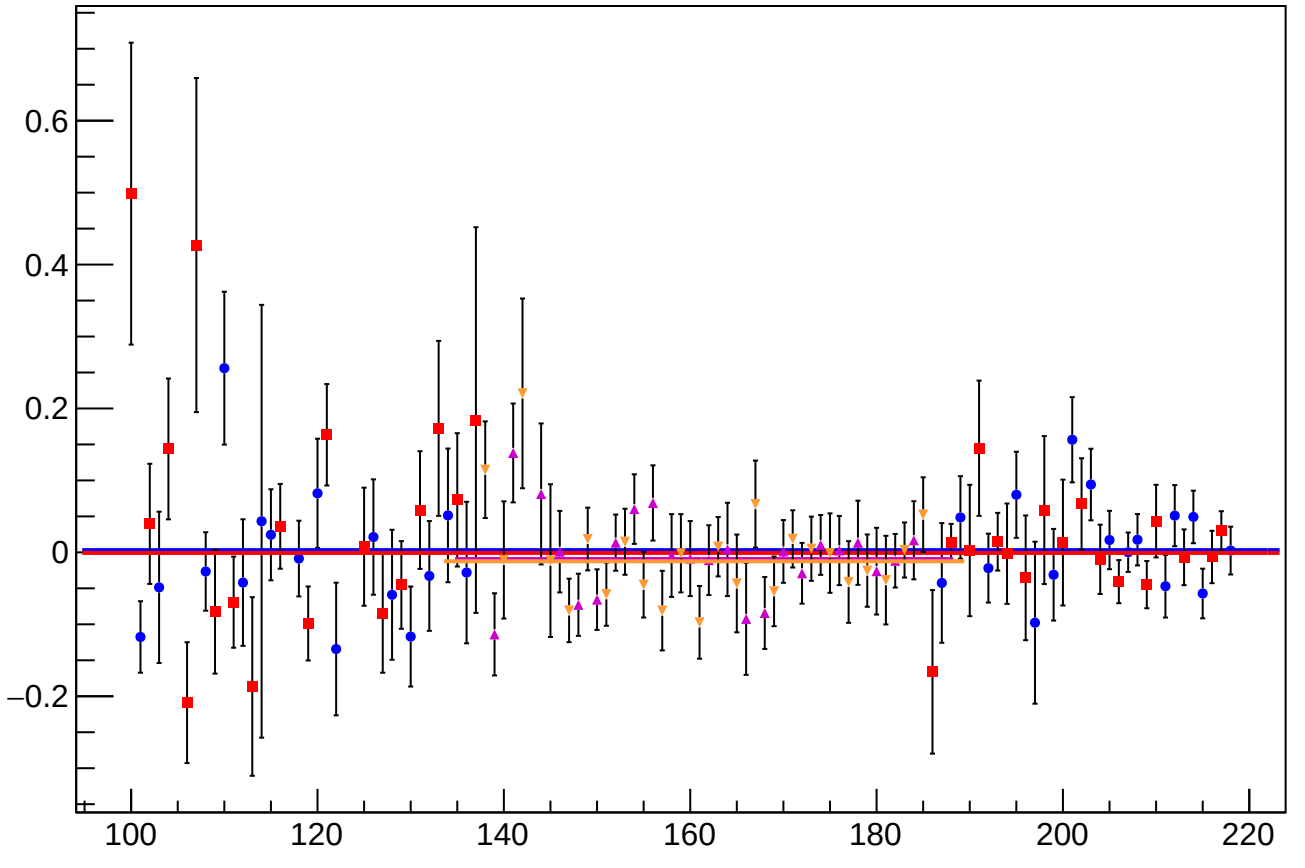
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 36.210+/-0.005 χ^2/NDF: 8494013.7/66

In: 38.851+/-0.005 χ^2/NDF:5304812.2/54

Out: 38.376+/-0.005 χ^2/NDF:7212017.2/58

All: 38.613+/-0.003 χ^2/NDF: 12521449.4/113



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: -0.001+/-0.009 χ^2/NDF: 48.9/34

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

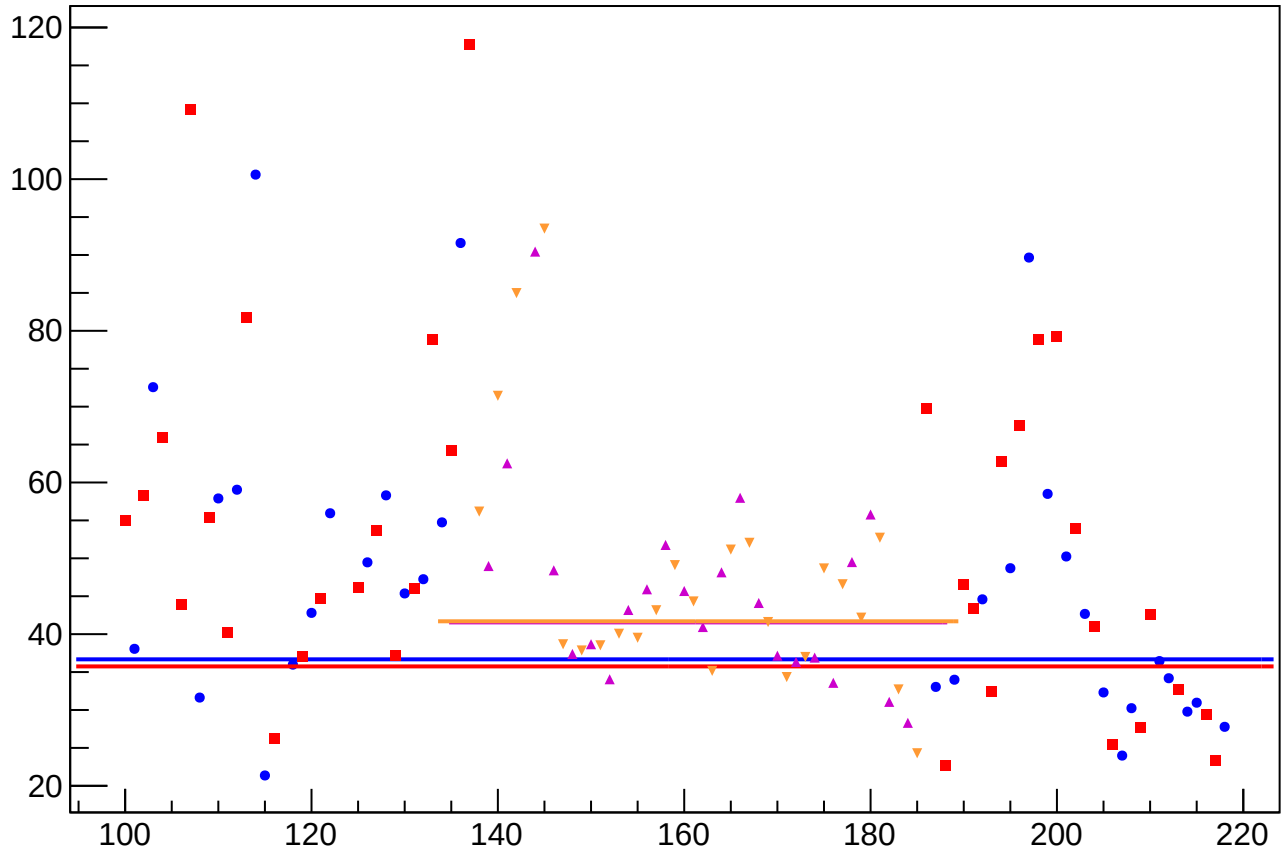
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.001+/-0.007 χ^2/NDF: 90.5/66

In: -0.002+/-0.007 χ^2/NDF:64.2/54

Out: -0.006+/-0.007 χ^2/NDF:71.5/58

All: -0.004+/-0.005 χ^2/NDF: 135.9/113



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: 35.747+/-0.007 χ^2/NDF: 5031716.8/34

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

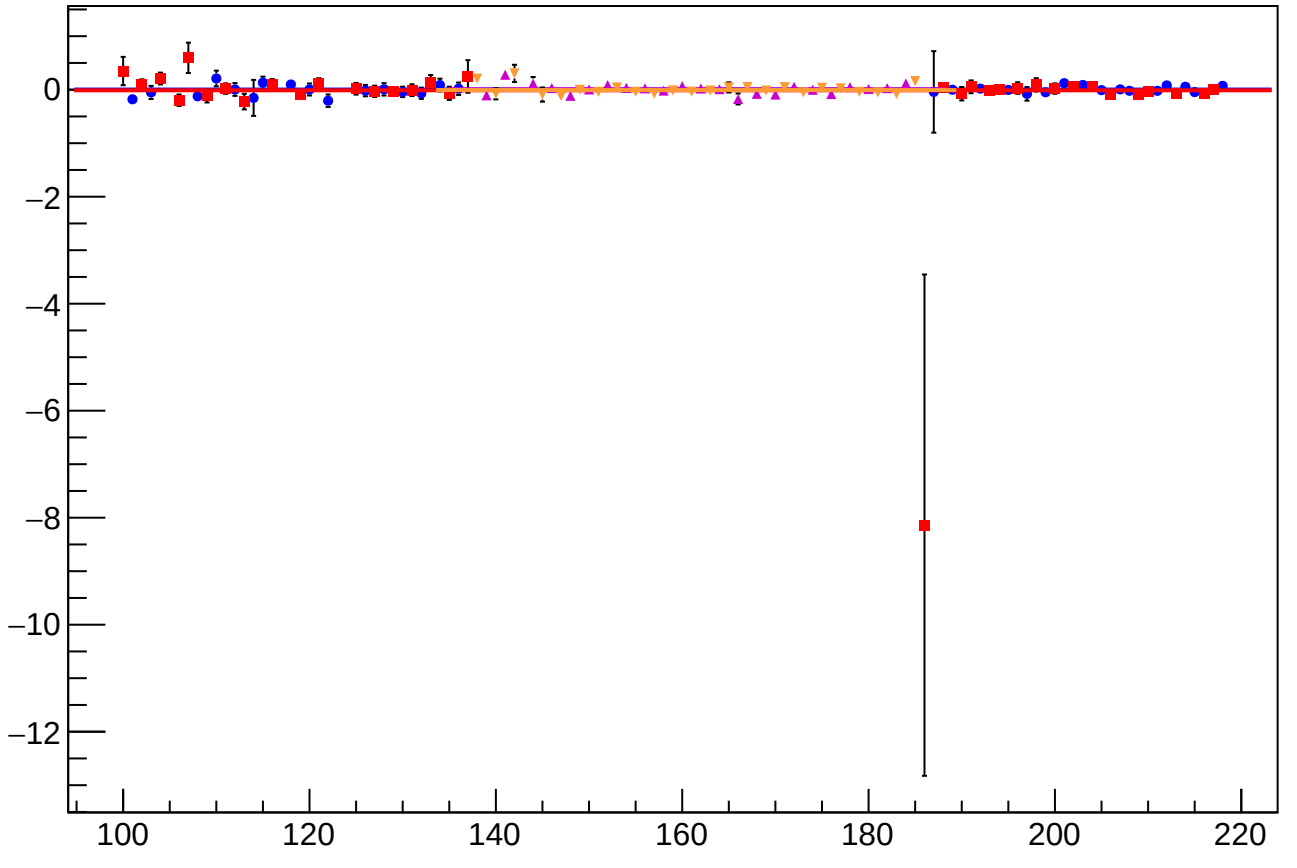
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 36.210+/-0.005 χ^2/NDF: 8494013.7/66

In: 38.851+/-0.005 χ^2/NDF:5304812.2/54

Out: 38.376+/-0.005 χ^2/NDF:7212017.2/58

All: 38.613+/-0.003 χ^2/NDF: 12521449.4/113



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: -0.011+/-0.014 χ^2/NDF: 38.1/34

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

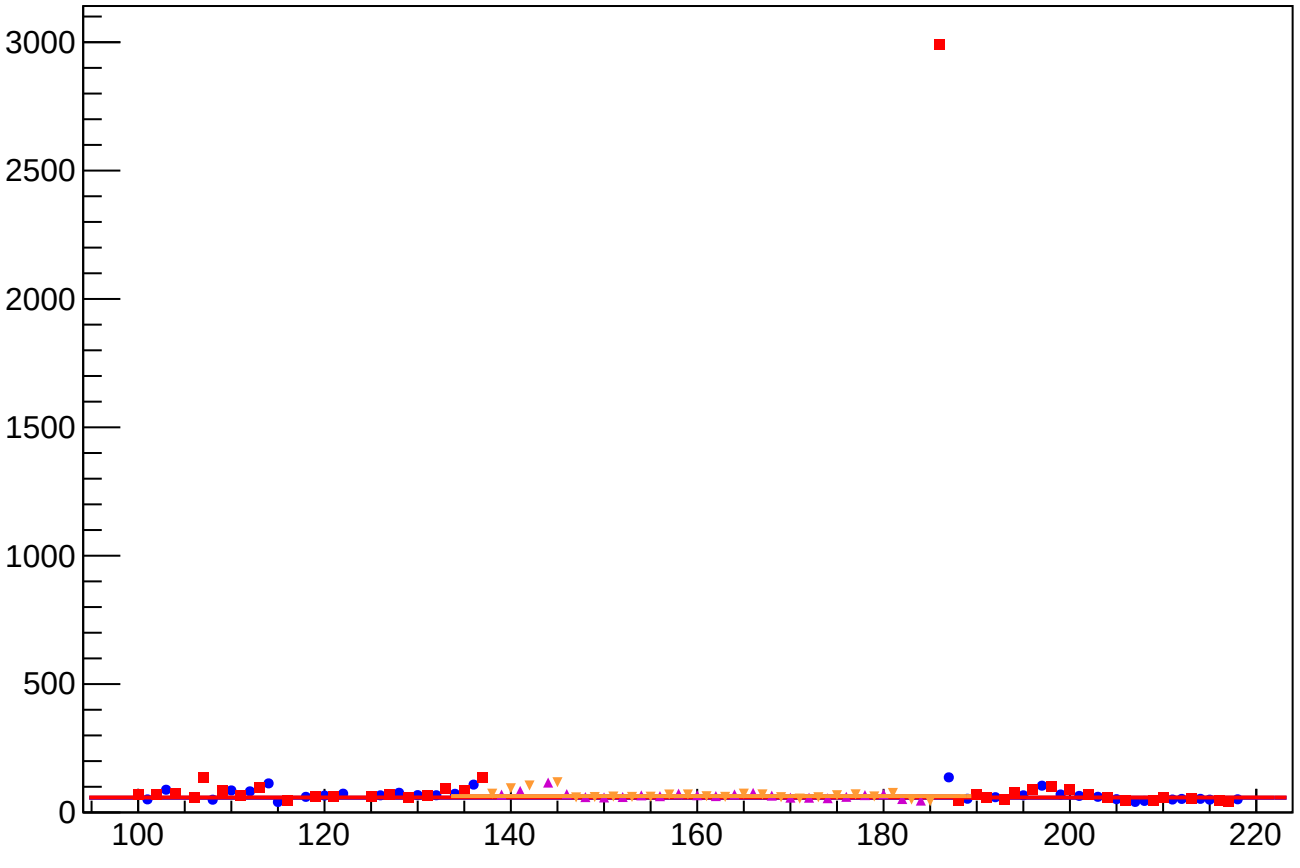
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: -0.004+/-0.010 χ^2/NDF: 68.3/66

In: 0.005+/-0.010 χ^2/NDF:58.0/54

Out: -0.009+/-0.010 χ^2/NDF:61.8/58

All: -0.002+/-0.007 χ^2/NDF: 120.7/113



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: 58.347+/-0.010 χ^2/NDF: 3093401.2/34

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

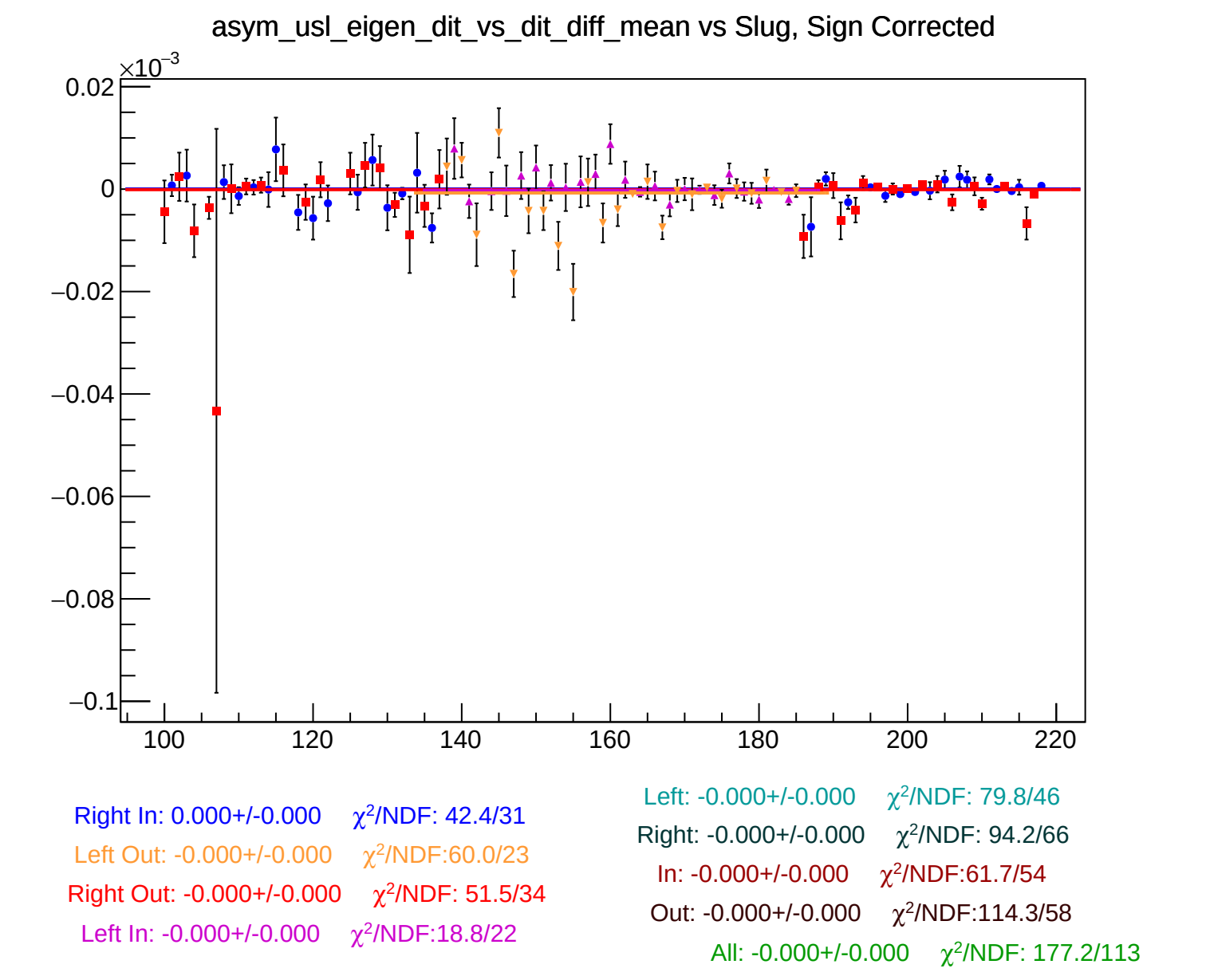
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

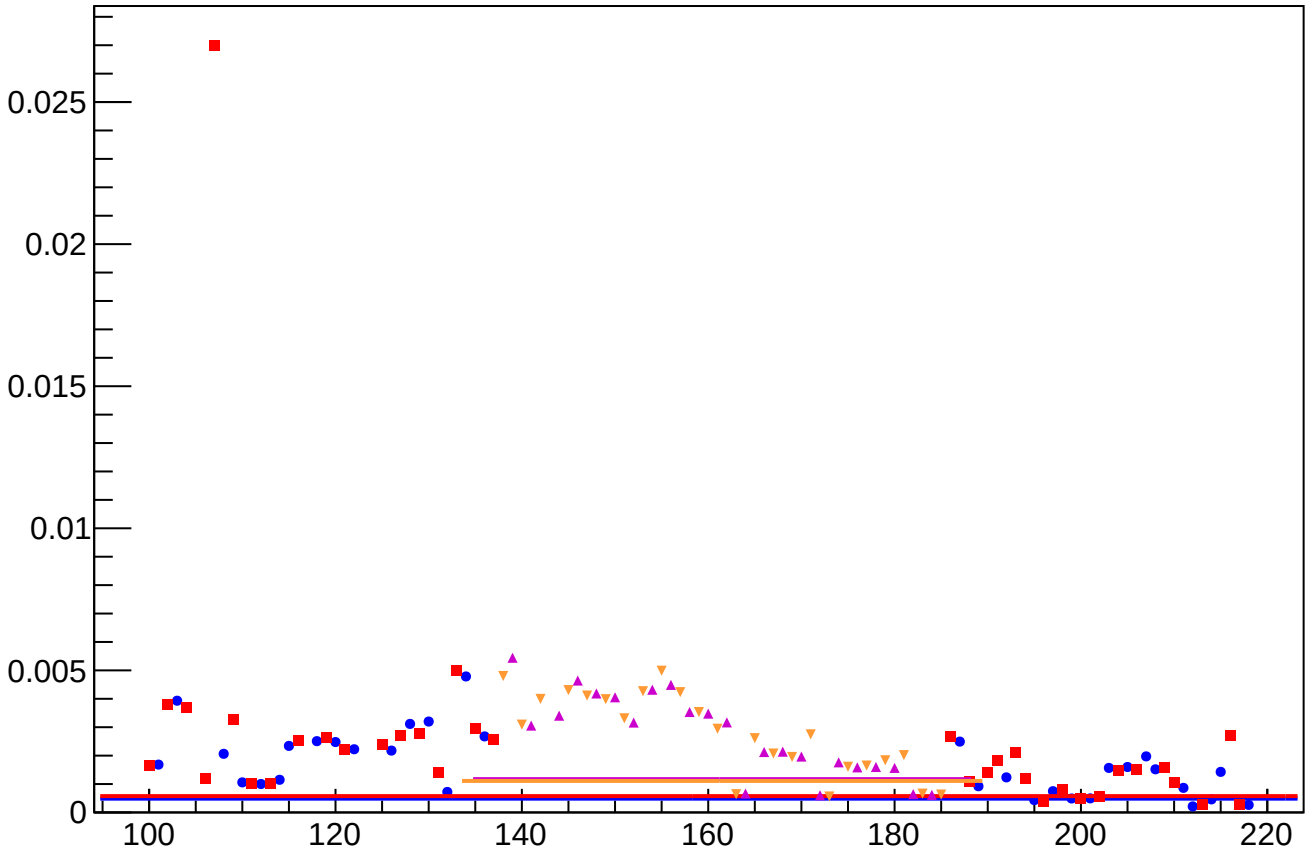
Right: 57.693+/-0.007 χ^2/NDF: 5029997.7/66

In: 60.132+/-0.007 χ^2/NDF:2993601.8/54

Out: 60.817+/-0.007 χ^2/NDF:4307779.9/58

All: 60.470+/-0.005 χ^2/NDF: 7305779.5/113


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: 51.5/34
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: 94.2/66
In: -0.000+/-0.000 χ²/NDF:61.7/54
Out: -0.000+/-0.000 χ²/NDF:114.3/58
All: -0.000+/-0.000 χ²/NDF: 177.2/113



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: 16854202.9/34

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

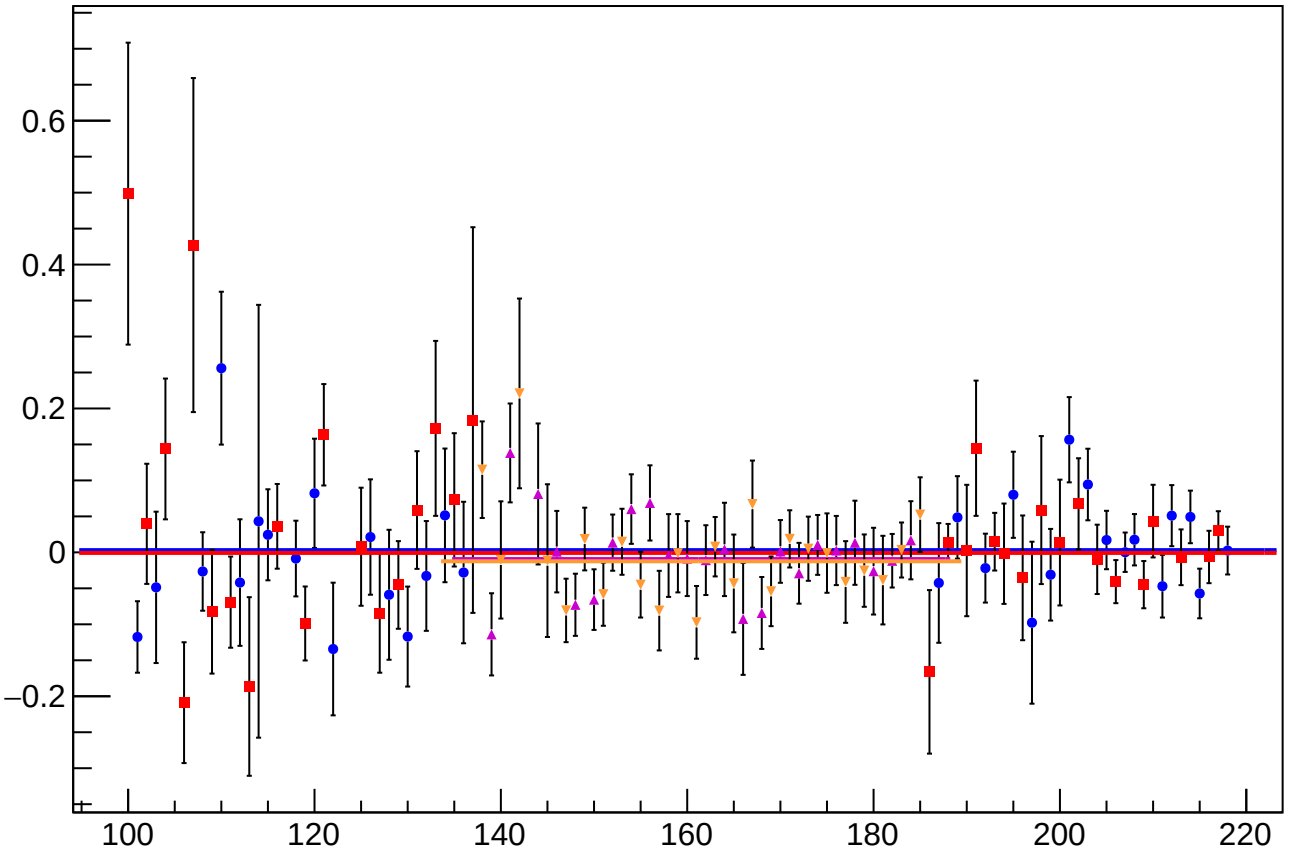
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 33824658.0/66

In: 0.001+/-0.000 χ^2/NDF:37139093.2/54

Out: 0.001+/-0.000 χ^2/NDF:35822624.7/58

All: 0.001+/-0.000 χ^2/NDF: 73416201.0/113



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: -0.001+/-0.009 χ^2/NDF: 48.9/34

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

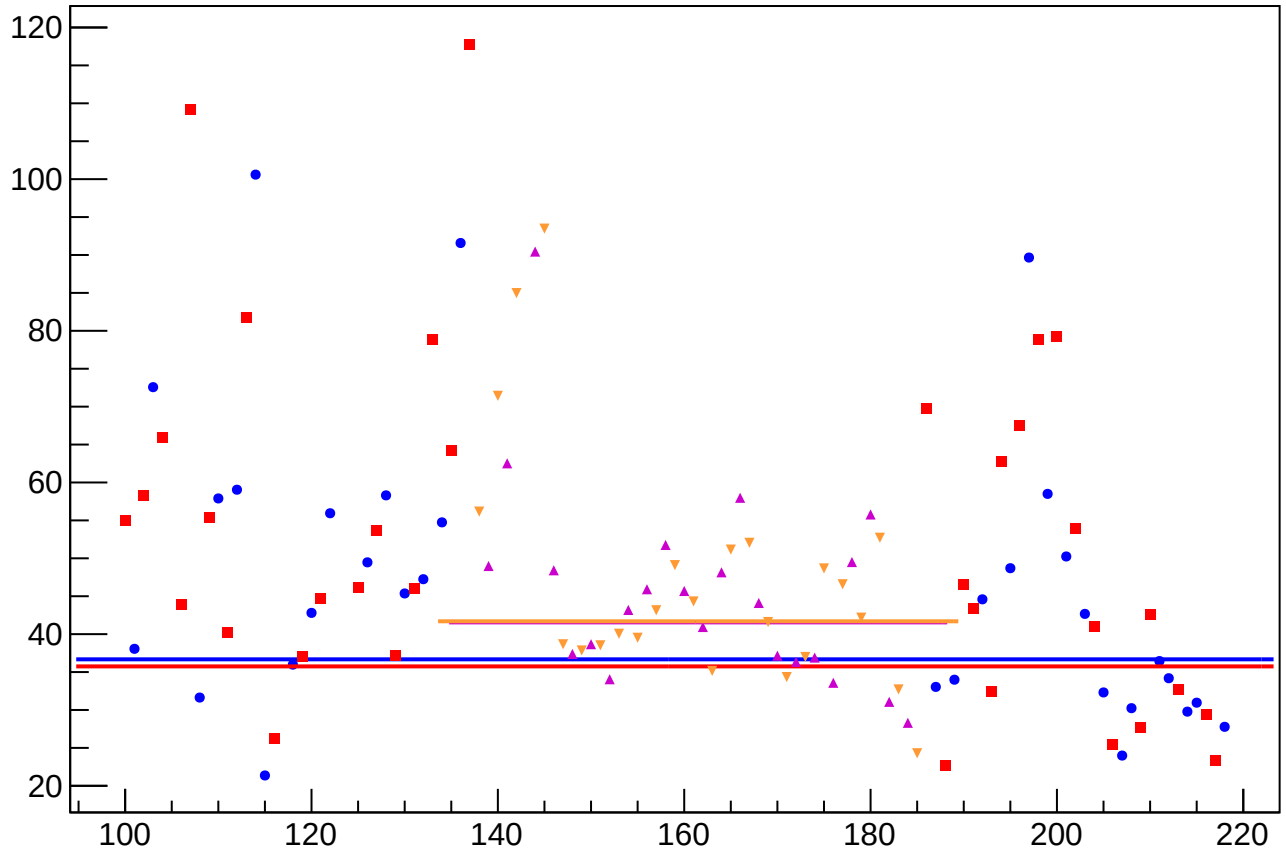
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.001+/-0.007 χ^2/NDF: 90.5/66

In: -0.002+/-0.007 χ^2/NDF:64.2/54

Out: -0.006+/-0.007 χ^2/NDF:71.5/58

All: -0.004+/-0.005 χ^2/NDF: 135.9/113



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: 35.747+/-0.007 χ^2/NDF: 5031631.6/34

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

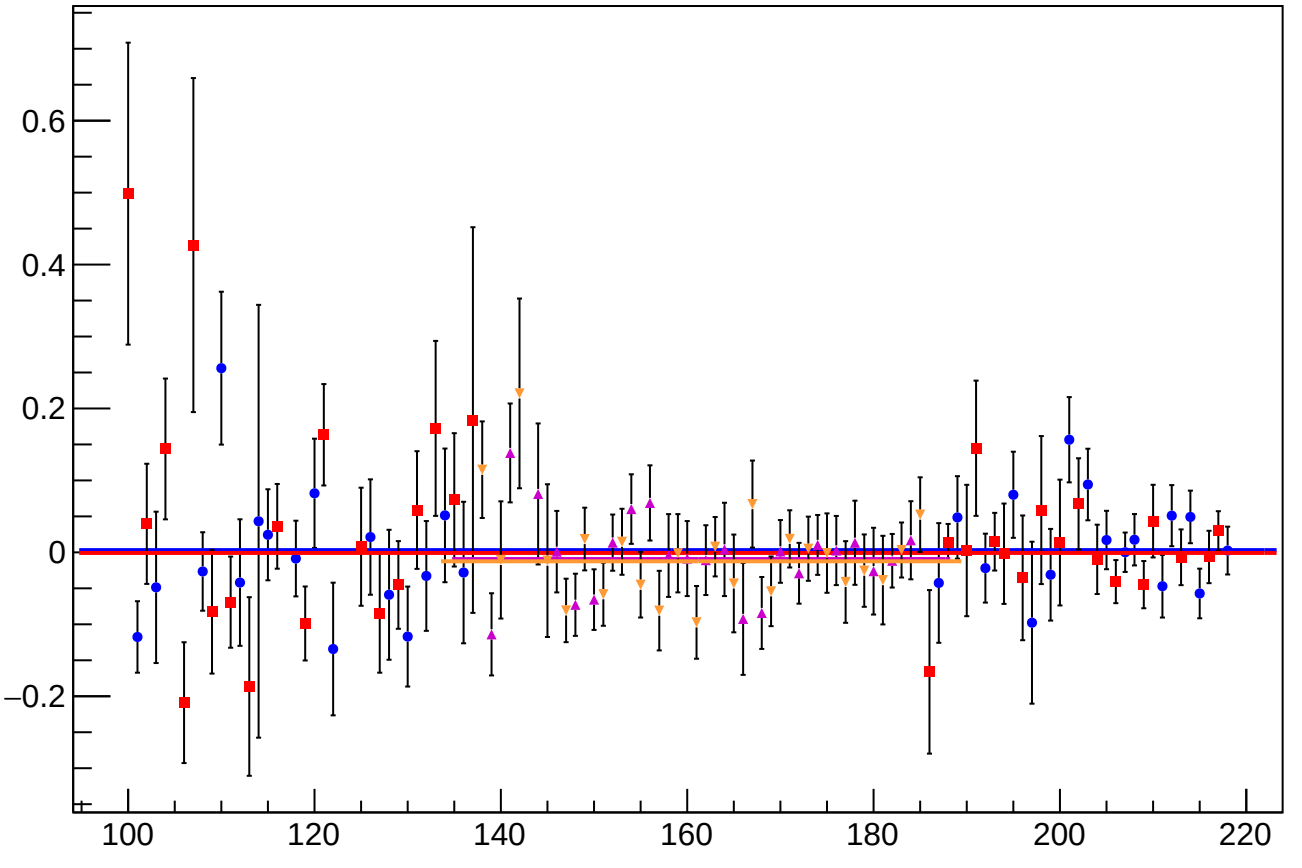
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 36.210+/-0.005 χ^2/NDF: 8493903.7/66

In: 38.851+/-0.005 χ^2/NDF:5304793.5/54

Out: 38.376+/-0.005 χ^2/NDF:7211922.0/58

All: 38.613+/-0.003 χ^2/NDF: 12521335.9/113



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: -0.001+/-0.009 χ^2/NDF: 48.9/34

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

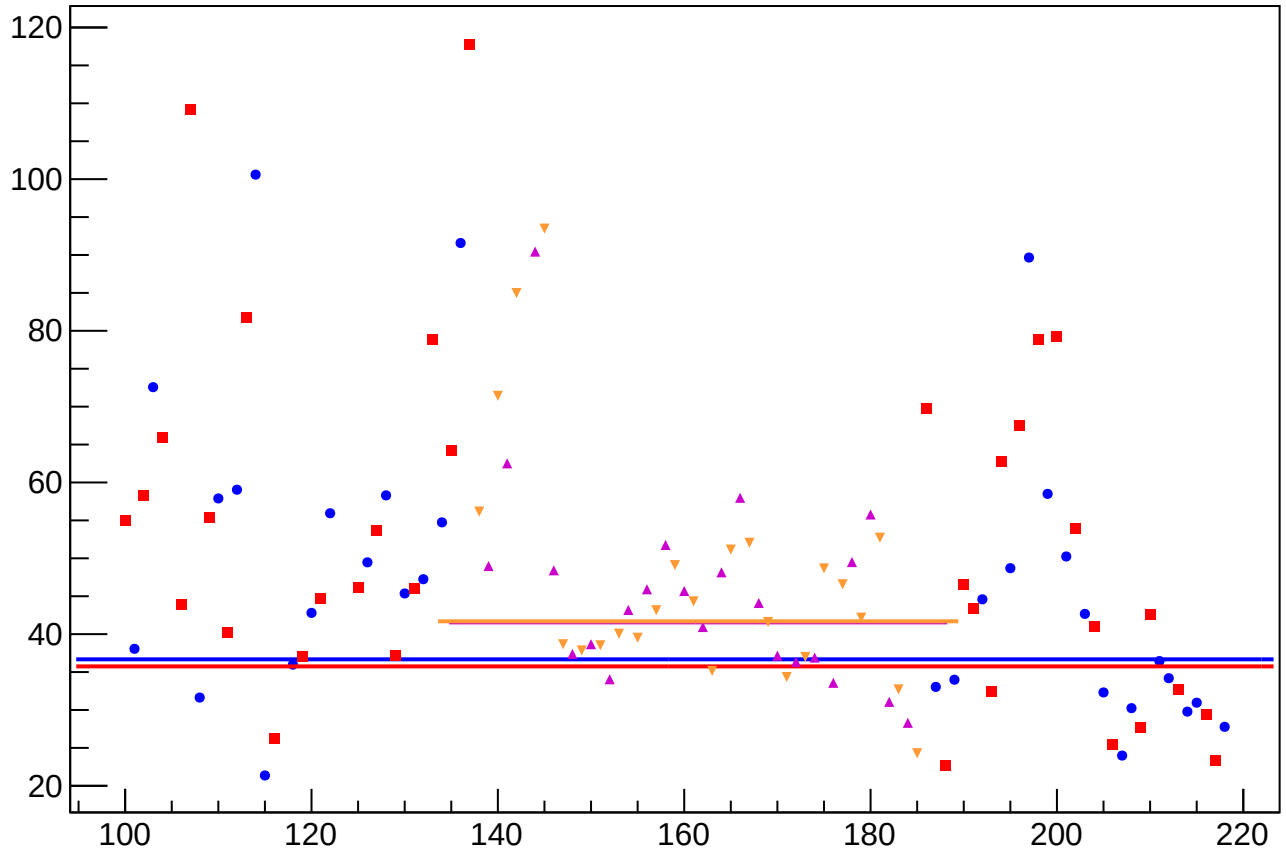
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.001+/-0.007 χ^2/NDF: 90.5/66

In: -0.002+/-0.007 χ^2/NDF:64.2/54

Out: -0.006+/-0.007 χ^2/NDF:71.5/58

All: -0.004+/-0.005 χ^2/NDF: 135.9/113



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: 35.747+/-0.007 χ^2/NDF: 5031631.6/34

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

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

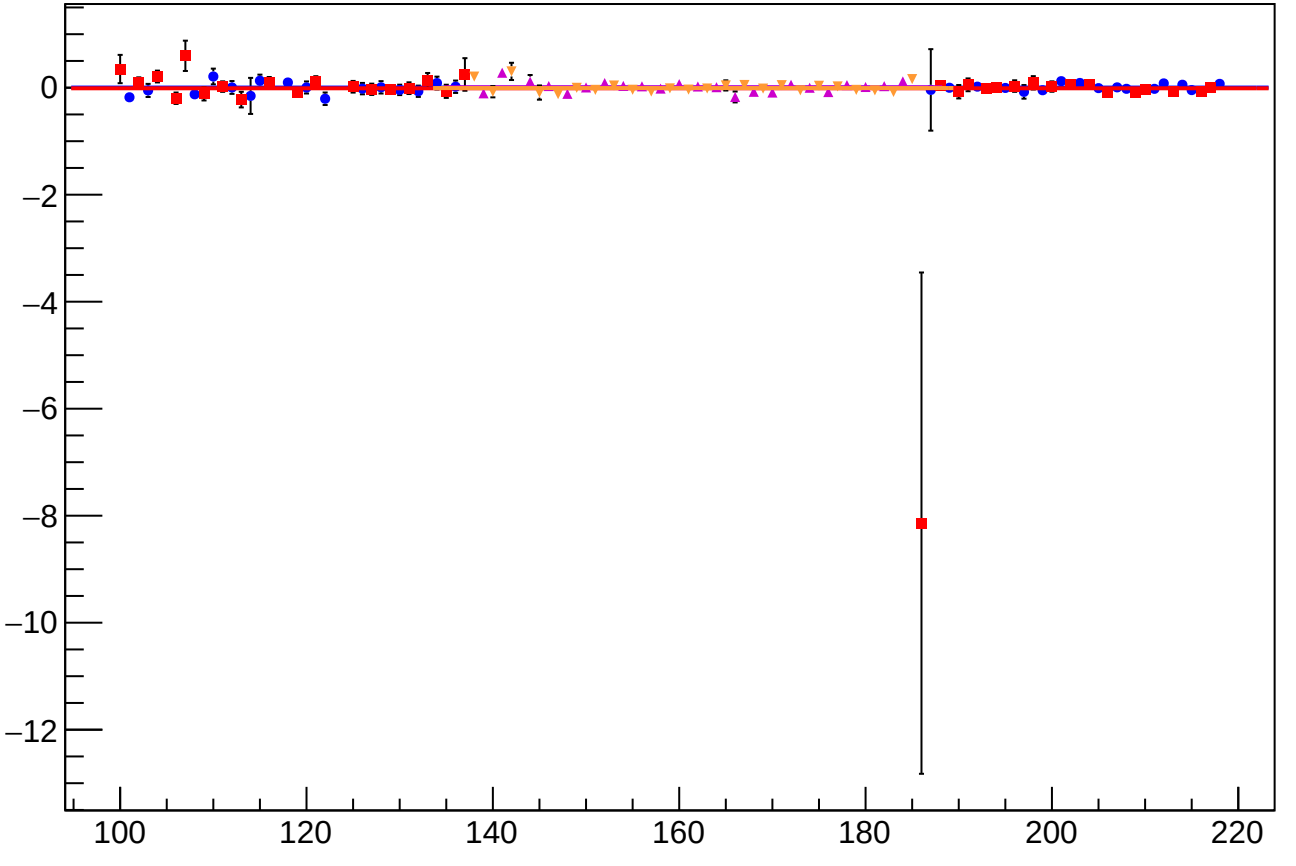
Right: 36.210+/-0.005 χ^2/NDF: 8493903.7/66

In: 38.851+/-0.005 χ^2/NDF:5304793.5/54

Out: 38.376+/-0.005 χ^2/NDF:7211922.0/58

All: 38.613+/-0.003 χ^2/NDF: 12521335.9/113

asym_usl_eigen_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: -0.011+/-0.014 χ^2/NDF: 38.1/34

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

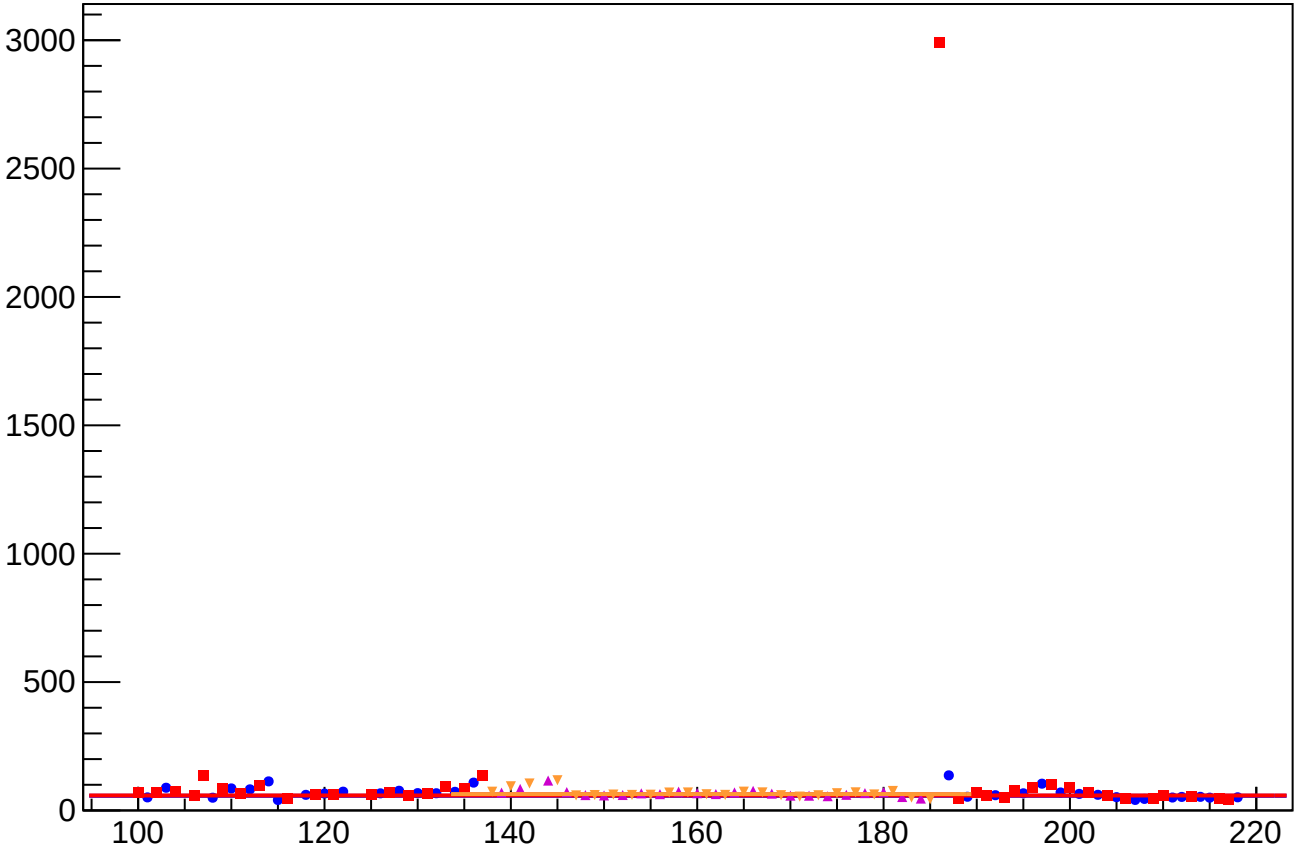
Right: -0.004+/-0.010 χ^2/NDF: 68.3/66

In: 0.005+/-0.010 χ^2/NDF:58.0/54

Out: -0.009+/-0.010 χ^2/NDF:61.8/58

All: -0.002+/-0.007 χ^2/NDF: 120.7/113

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: 58.346+/-0.010 χ^2/NDF: 3093383.7/34

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

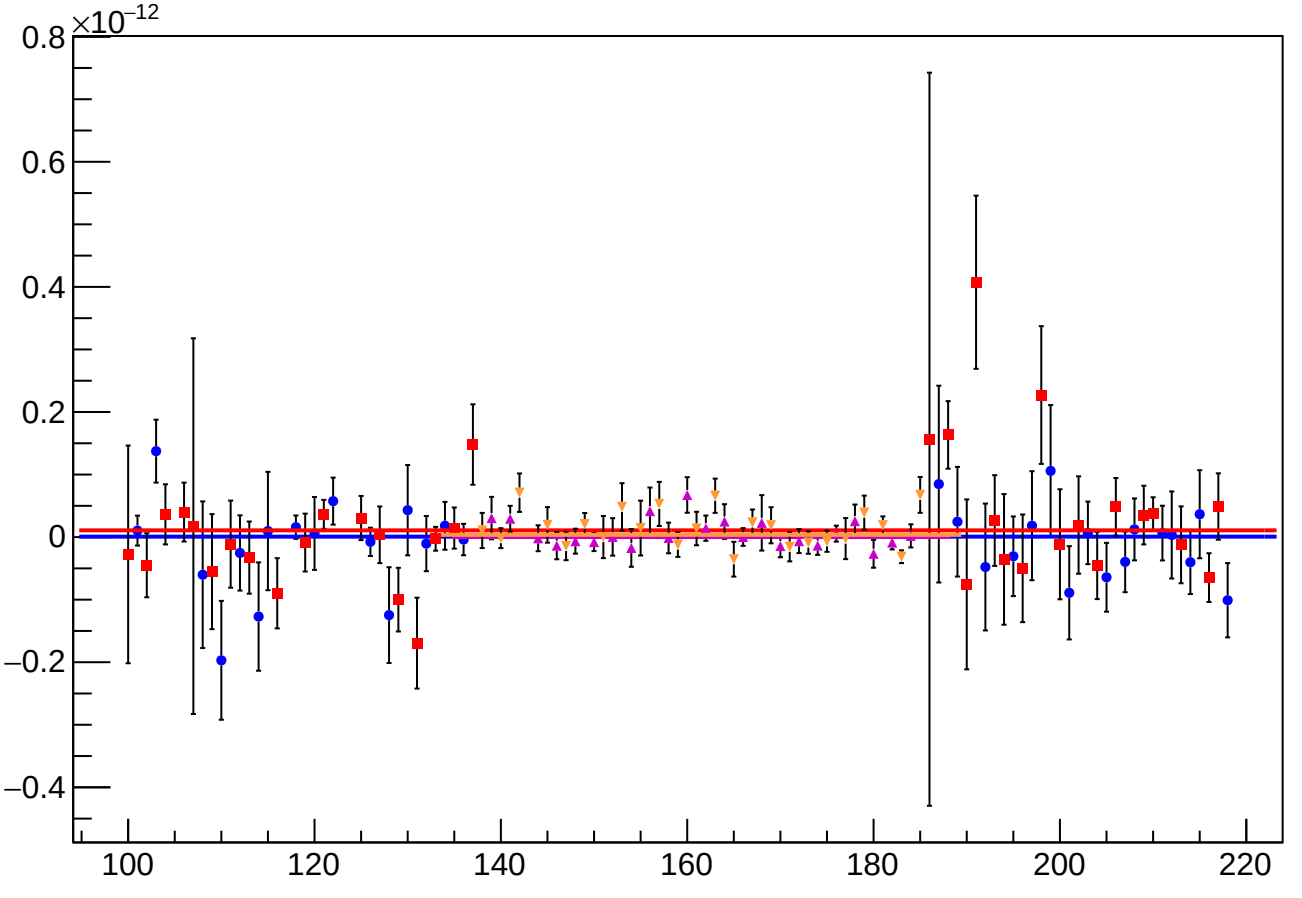
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 57.692+/-0.007 χ^2/NDF: 5029971.4/66

In: 60.132+/-0.007 χ^2/NDF:2993607.7/54

Out: 60.816+/-0.007 χ^2/NDF:4307766.5/58

All: 60.470+/-0.005 χ^2/NDF: 7305771.0/113



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: 52.9/34

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

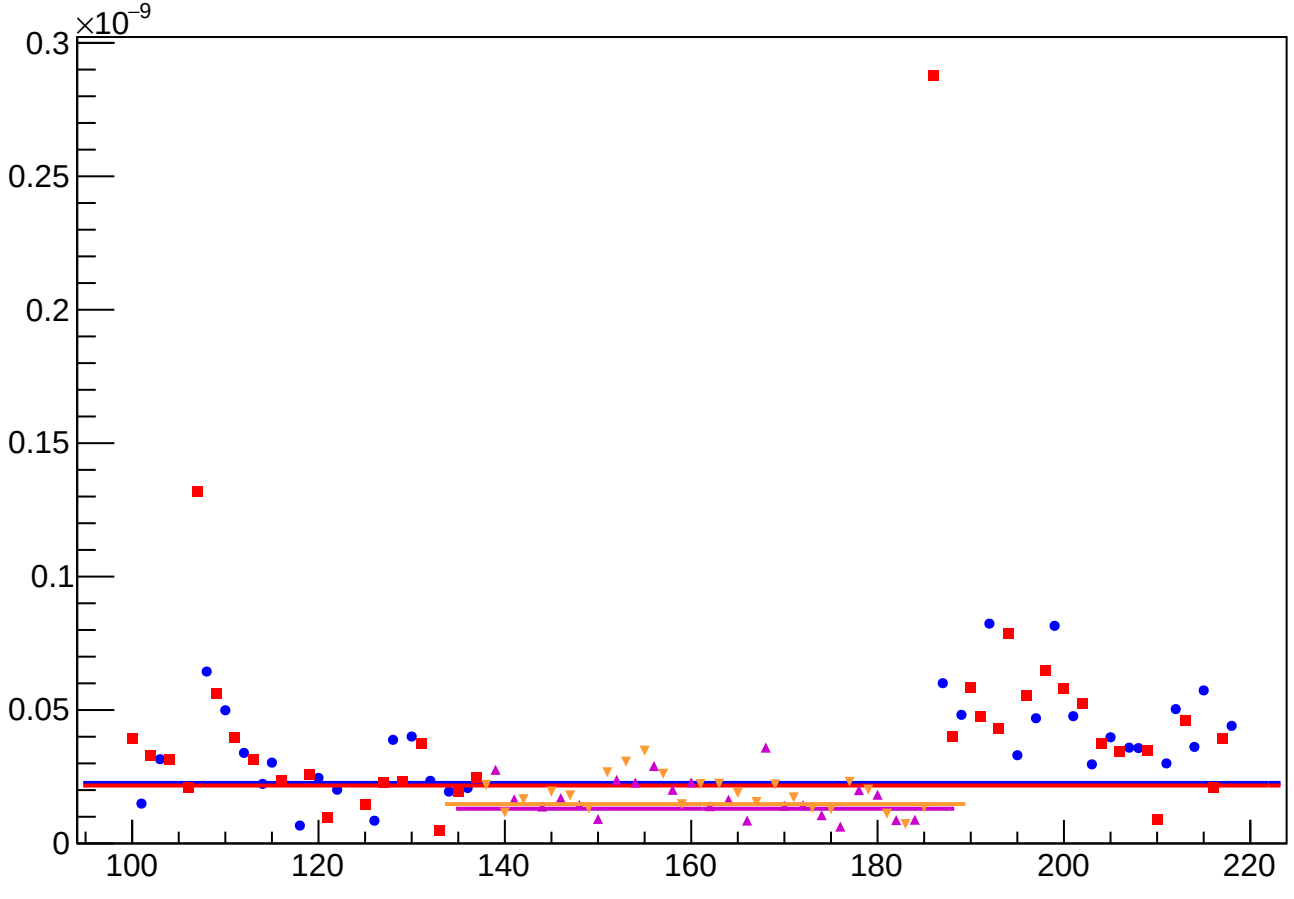
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 83.9/66

In: 0.000+/-0.000 χ^2/NDF:47.4/54

Out: 0.000+/-0.000 χ^2/NDF:94.1/58

All: 0.000+/-0.000 χ^2/NDF: 142.4/113



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: 7624415.3/34

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

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

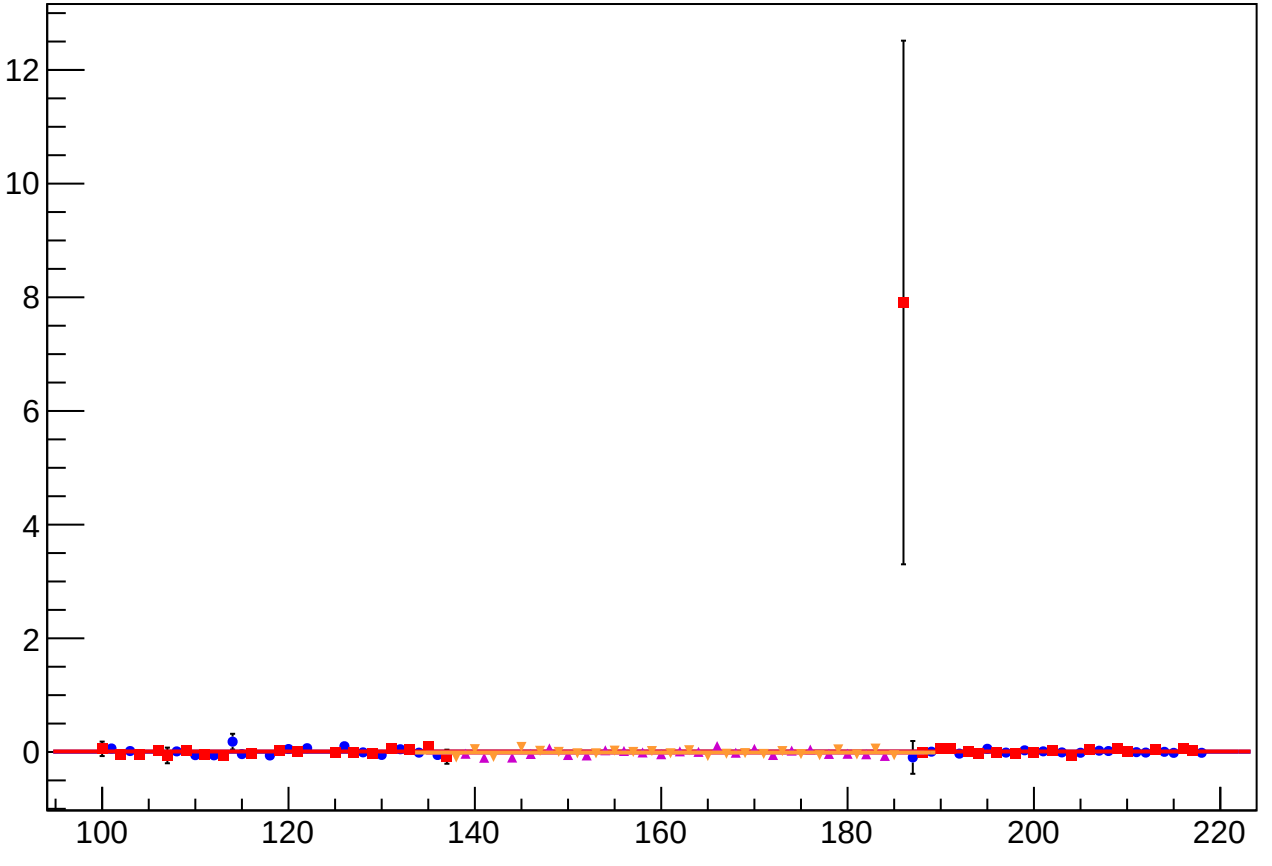
Right: 0.000+/-0.000 χ^2/NDF: 14711911.3/66

In: 0.000+/-0.000 χ^2/NDF:13355315.8/54

Out: 0.000+/-0.000 χ^2/NDF:12319101.3/58

All: 0.000+/-0.000 χ^2/NDF: 25804638.5/113

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: 0.009+/-0.007 χ^2/NDF: 33.1/34

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

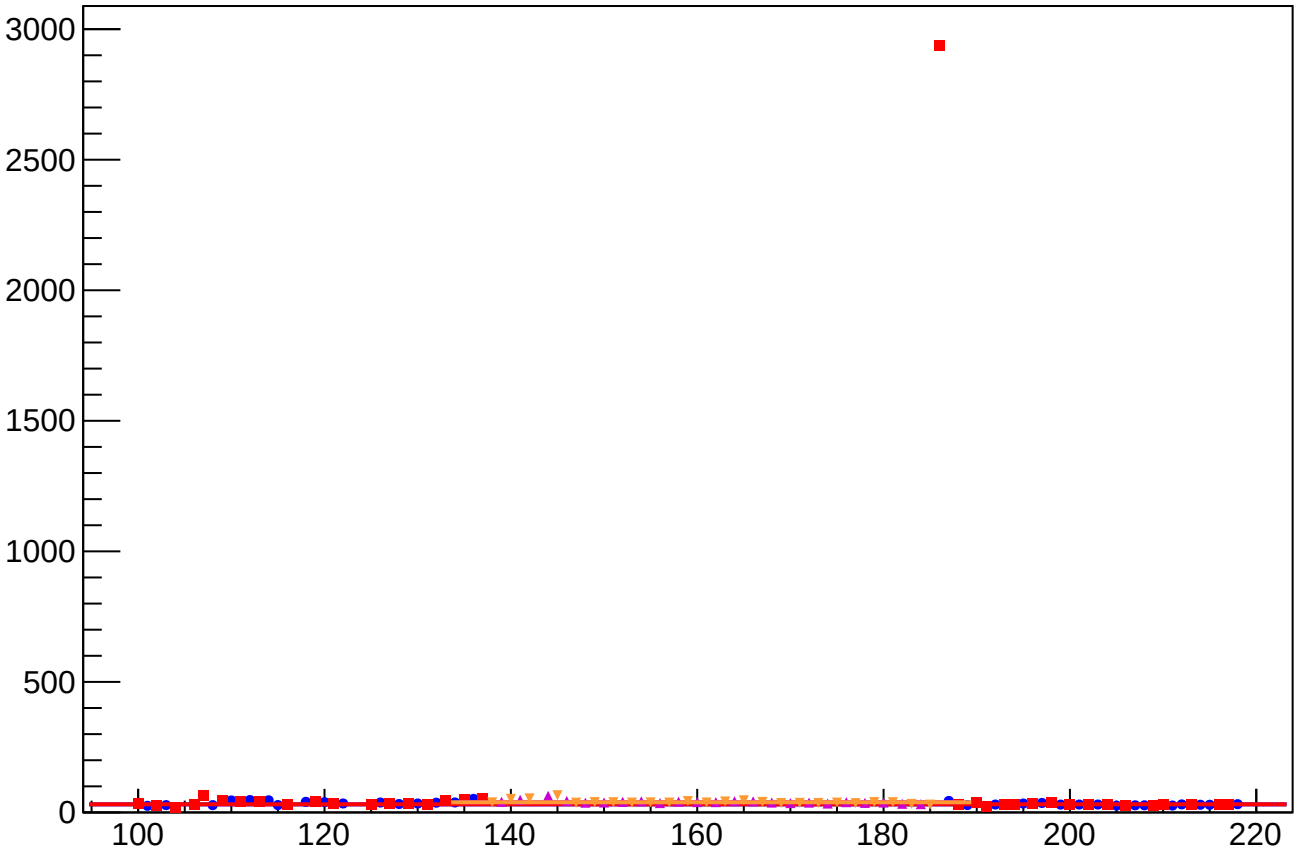
Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

Right: 0.007+/-0.005 χ^2/NDF: 54.0/66

In: -0.001+/-0.006 χ^2/NDF:45.8/54

Out: 0.002+/-0.006 χ^2/NDF:55.0/58

All: 0.000+/-0.004 χ^2/NDF: 100.9/113



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: 31.201+/-0.005 χ^2/NDF: 2005150.7/34

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

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

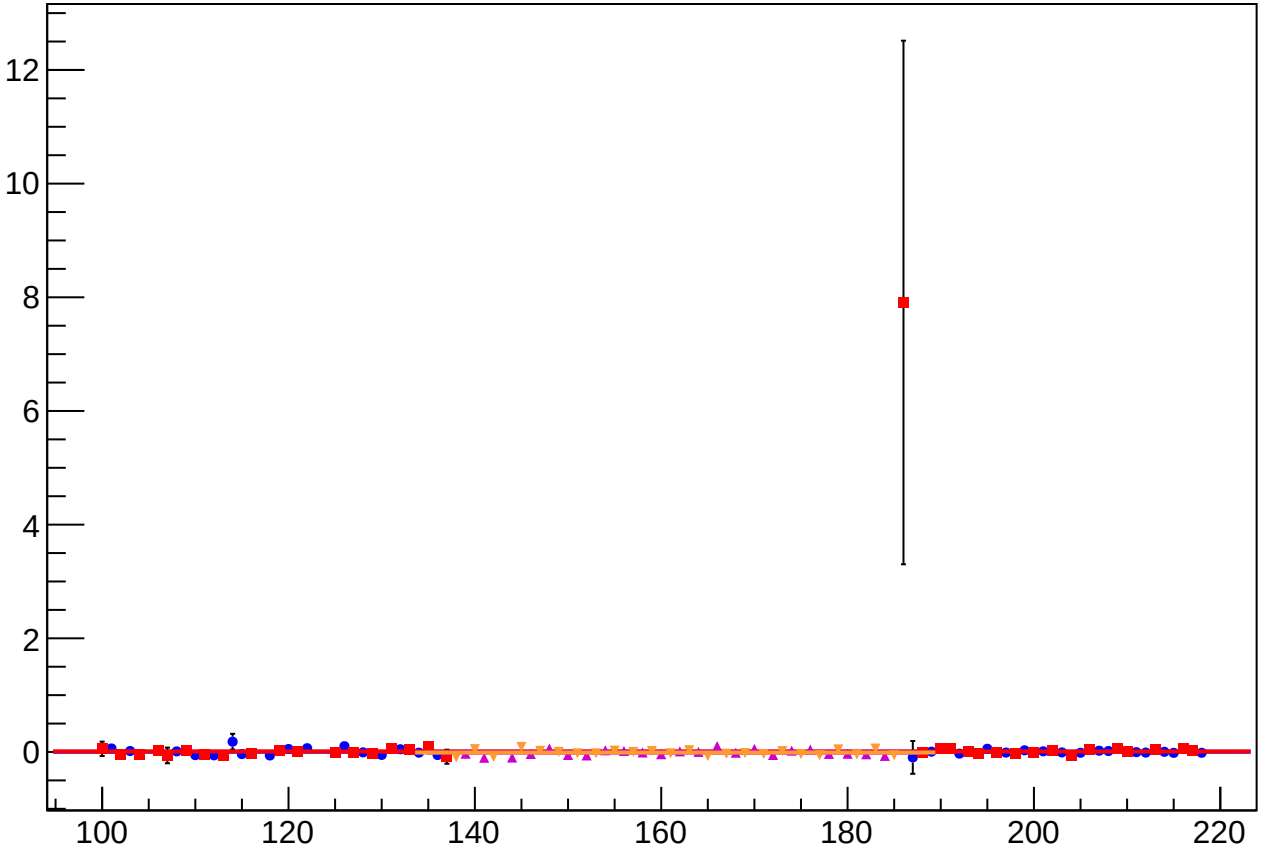
Right: 31.073+/-0.004 χ^2/NDF: 2978849.1/66

In: 33.997+/-0.004 χ^2/NDF:2427657.0/54

Out: 34.144+/-0.004 χ^2/NDF:3467443.2/58

All: 34.071+/-0.003 χ^2/NDF: 5895742.2/113

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: 0.009+/-0.007 χ^2/NDF: 33.1/34

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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

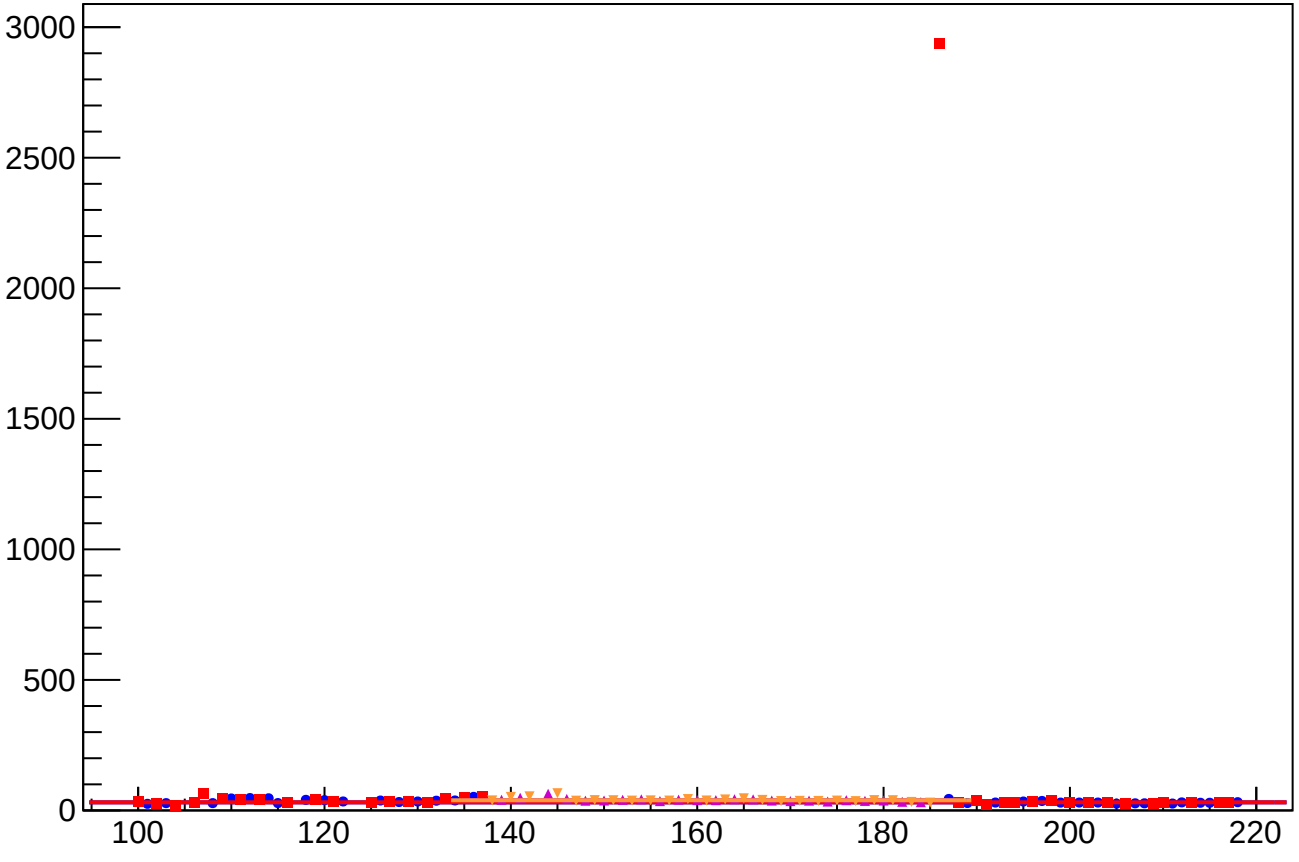
Right: 0.007+/-0.005 χ^2/NDF: 54.0/66

In: -0.001+/-0.006 χ^2/NDF:45.8/54

Out: 0.002+/-0.006 χ^2/NDF:55.0/58

All: 0.000+/-0.004 χ^2/NDF: 100.9/113

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: 31.201+/-0.005 χ^2/NDF: 2005150.7/34

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

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

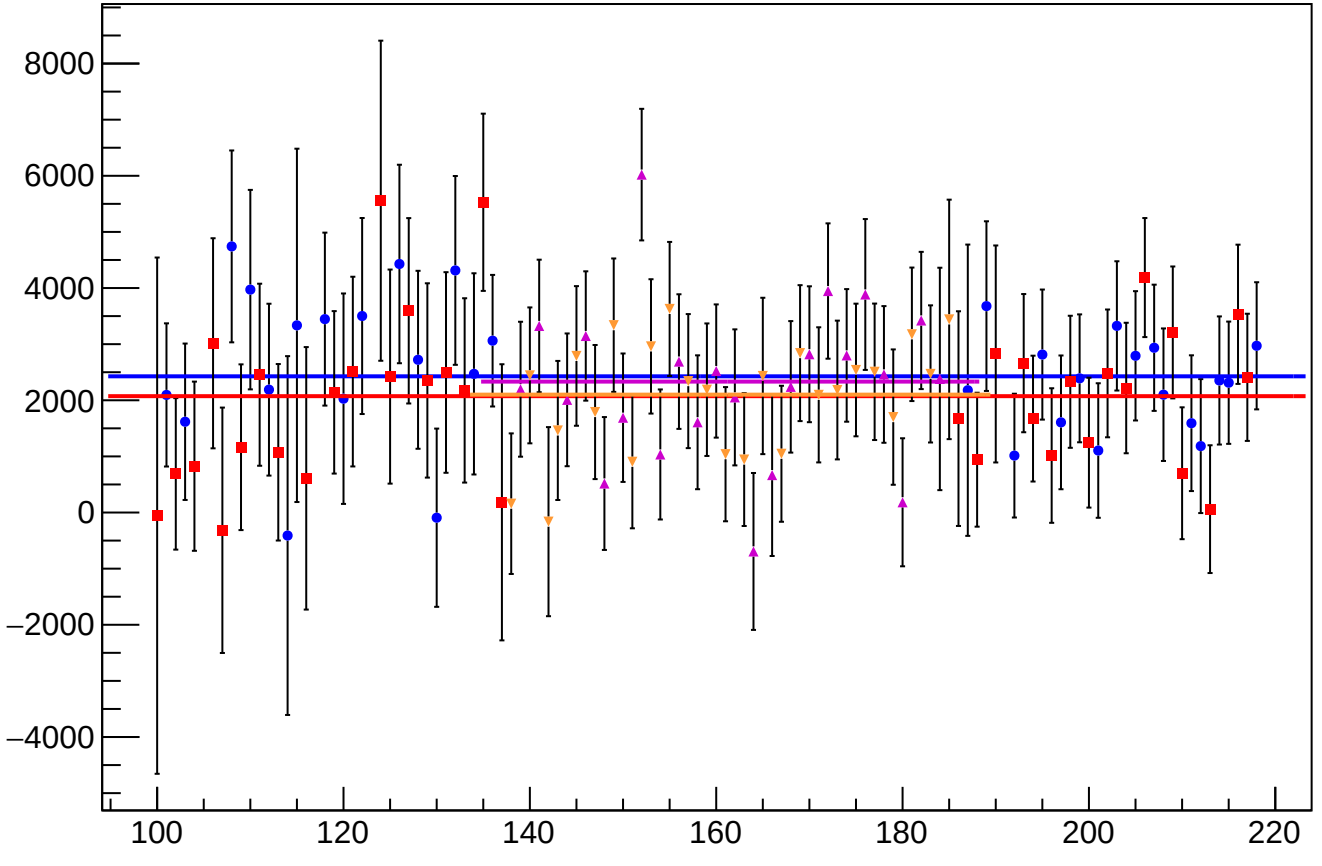
Right: 31.073+/-0.004 χ^2/NDF: 2978849.1/66

In: 33.997+/-0.004 χ^2/NDF:2427657.0/54

Out: 34.144+/-0.004 χ^2/NDF:3467443.2/58

All: 34.071+/-0.003 χ^2/NDF: 5895742.2/113

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: 2073.302+/-242.209 χ^2/NDF: 26.3/34

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

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

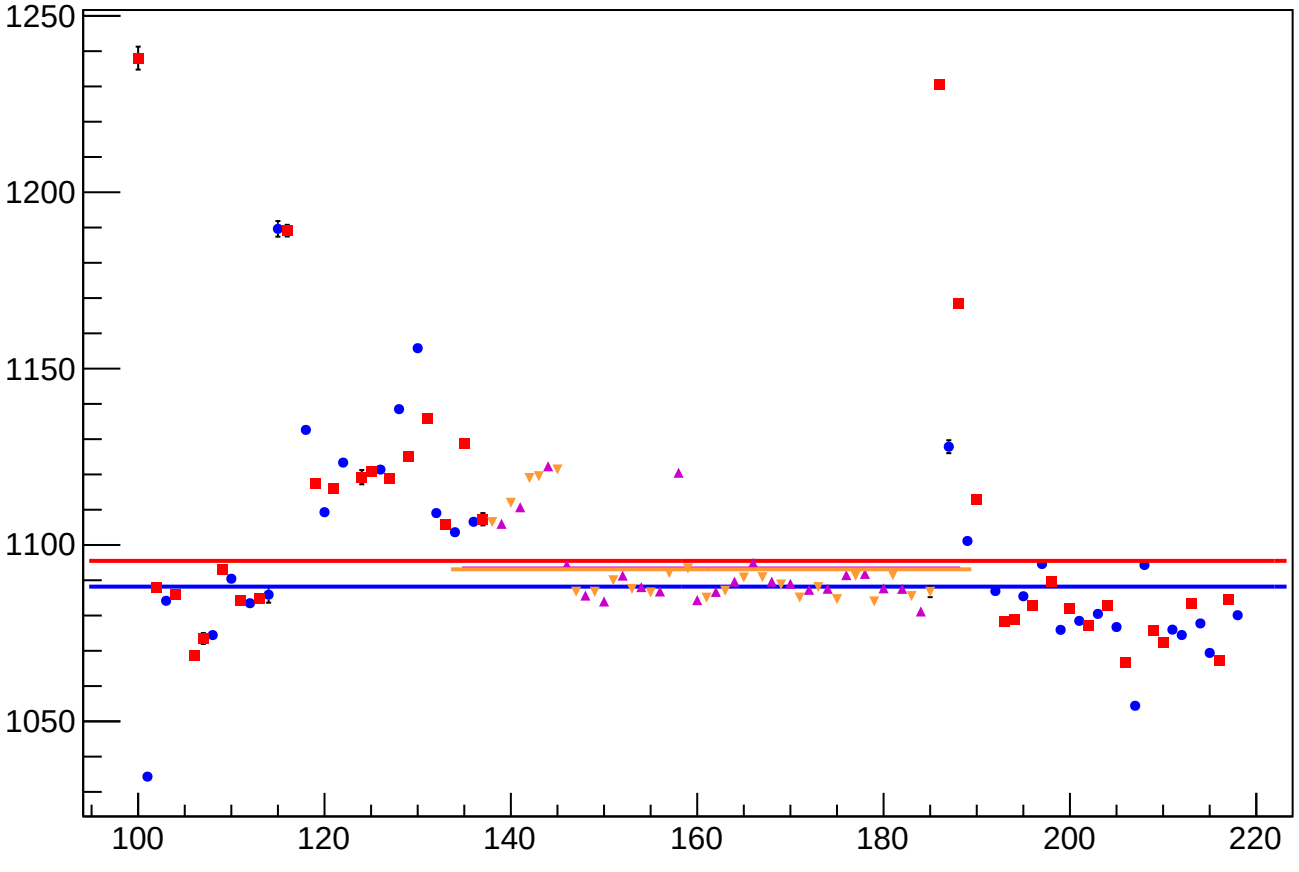
Right: 2250.283+/-171.214 χ^2/NDF: 44.5/66

In: 2382.499+/-175.650 χ^2/NDF:46.6/54

Out: 2086.513+/-173.383 χ^2/NDF:40.2/59

All: 2232.583+/-123.394 χ^2/NDF: 88.2/114

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: 1095.499+/-0.171 χ^2/NDF: 34347.2/34

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

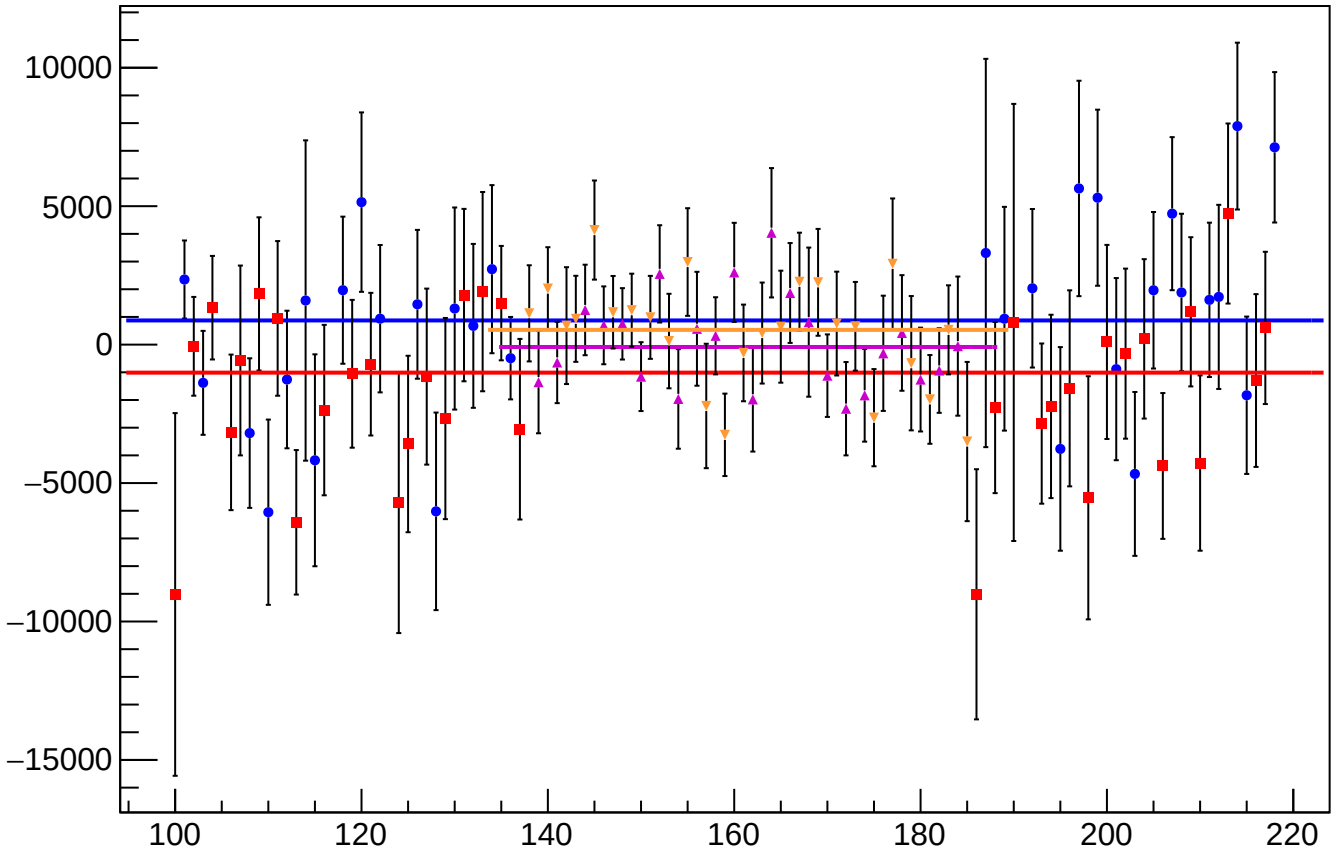
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1091.844+/-0.121 χ^2/NDF: 55613.2/66

In: 1090.629+/-0.124 χ^2/NDF:24509.2/54

Out: 1094.330+/-0.123 χ^2/NDF:38425.9/59

All: 1092.504+/-0.087 χ^2/NDF: 63384.7/114



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: -1011.510+/-500.230 χ^2/NDF: 27.4/34

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

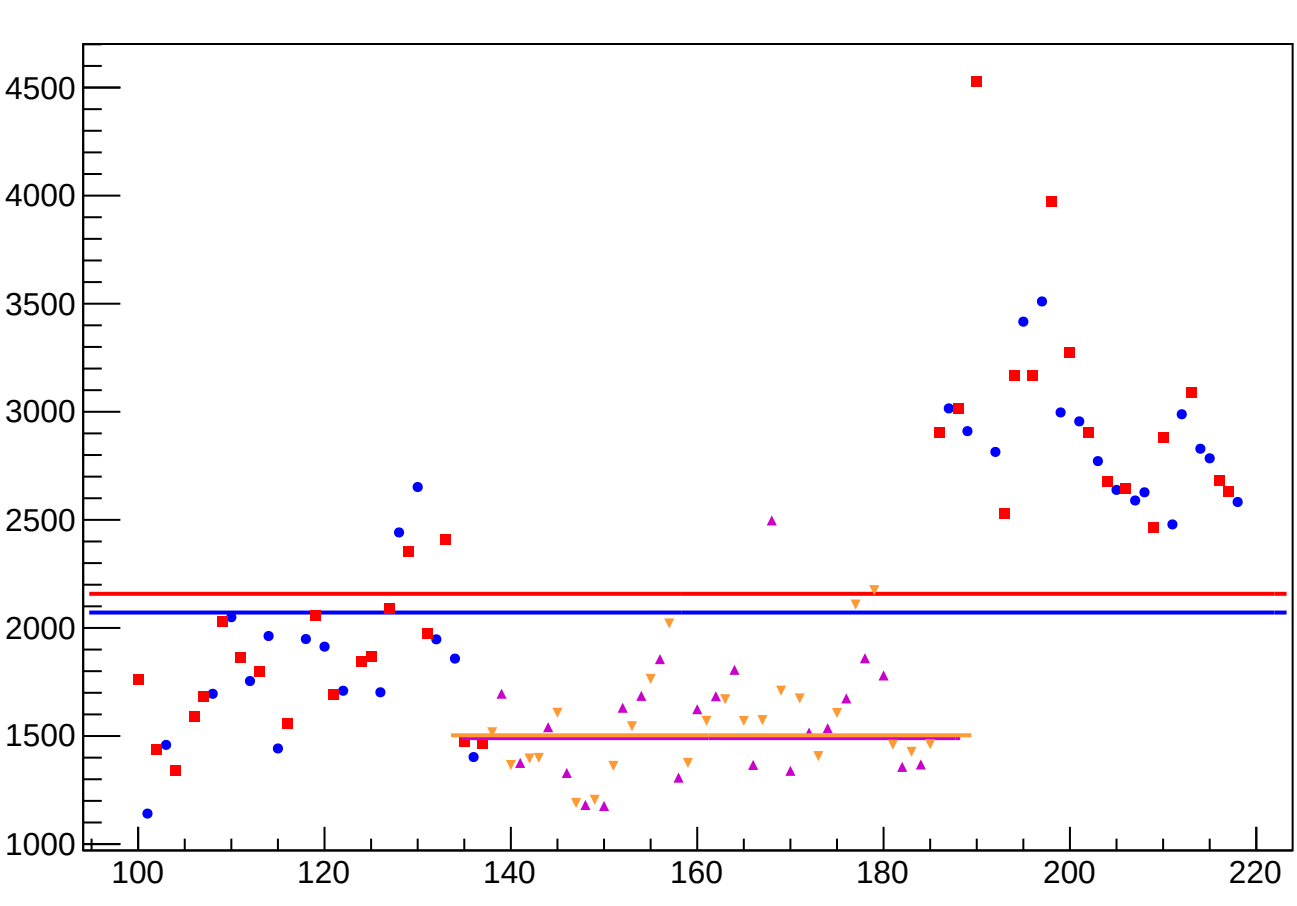
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -41.744+/-348.549 χ^2/NDF: 76.3/66

In: 246.977+/-286.089 χ^2/NDF:62.2/54

Out: 30.790+/-285.241 χ^2/NDF:60.2/59

All: 138.563+/-201.995 χ^2/NDF: 122.7/114



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: 2157.924+/-0.354 χ^2/NDF: 3381026.4/34

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

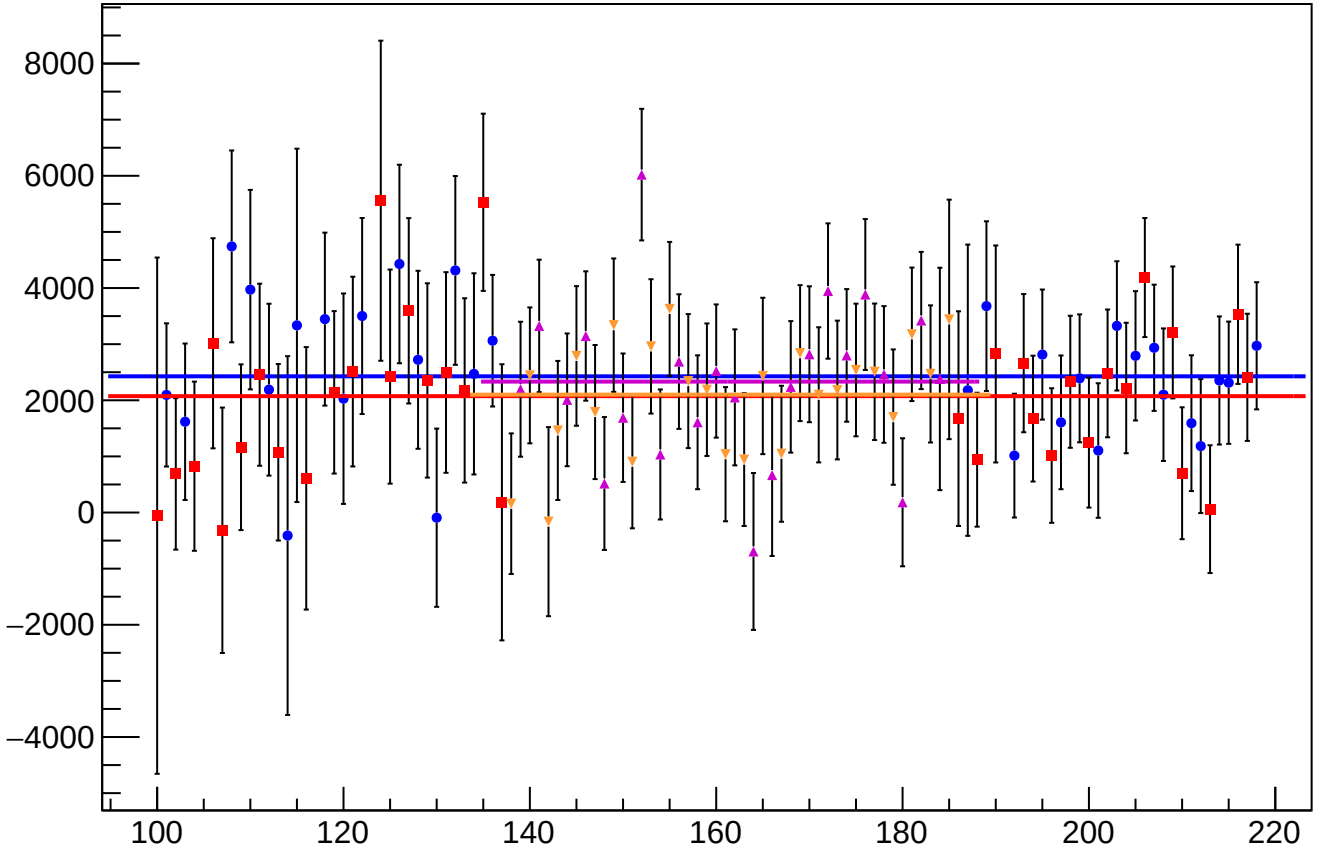
Right: 2113.334+/-0.246 χ^2/NDF: 7164841.9/66

In: 1691.686+/-0.202 χ^2/NDF:6588893.9/54

Out: 1716.243+/-0.202 χ^2/NDF:6491166.0/59

All: 1704.001+/-0.143 χ^2/NDF: 13087450.4/1

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: 2073.302+/-242.209 χ^2/NDF: 26.3/34

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

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

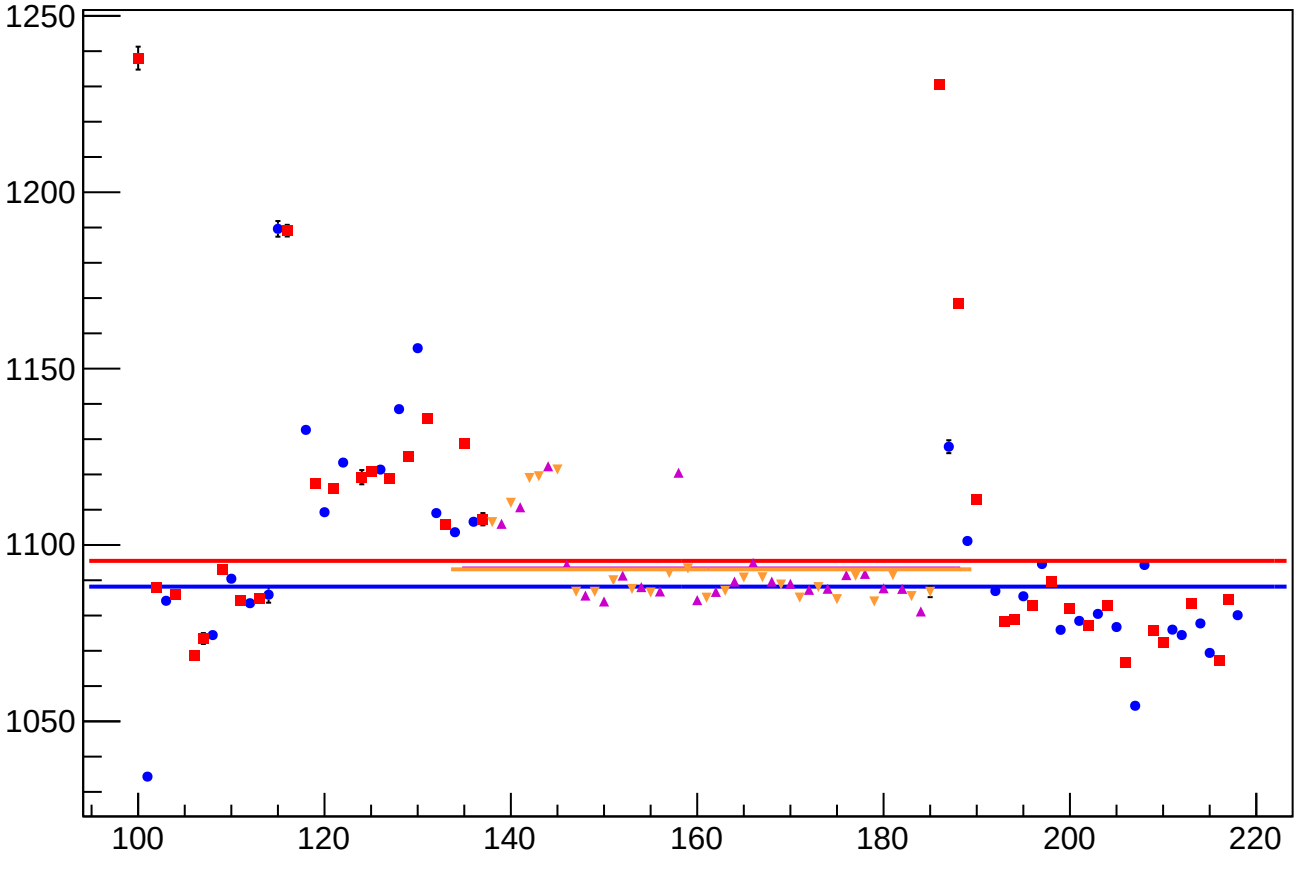
Right: 2250.283+/-171.214 χ^2/NDF: 44.5/66

In: 2382.499+/-175.650 χ^2/NDF:46.6/54

Out: 2086.513+/-173.383 χ^2/NDF:40.2/59

All: 2232.583+/-123.394 χ^2/NDF: 88.2/114

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: 1095.499+/-0.171 χ^2/NDF: 34347.2/34

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

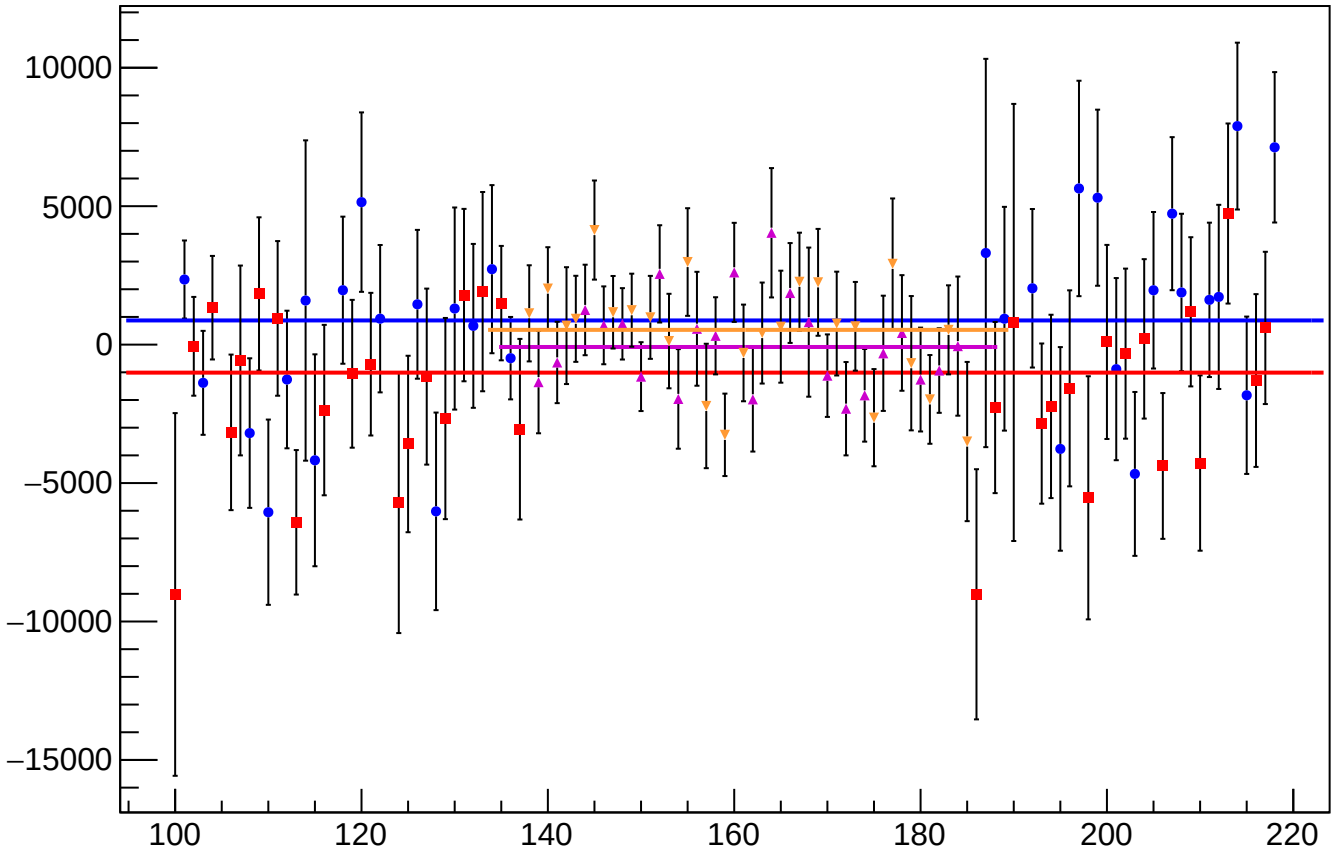
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1091.844+/-0.121 χ^2/NDF: 55613.2/66

In: 1090.629+/-0.124 χ^2/NDF:24509.2/54

Out: 1094.330+/-0.123 χ^2/NDF:38425.9/59

All: 1092.504+/-0.087 χ^2/NDF: 63384.7/114



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: -1011.510+/-500.230 χ^2/NDF: 27.4/34

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

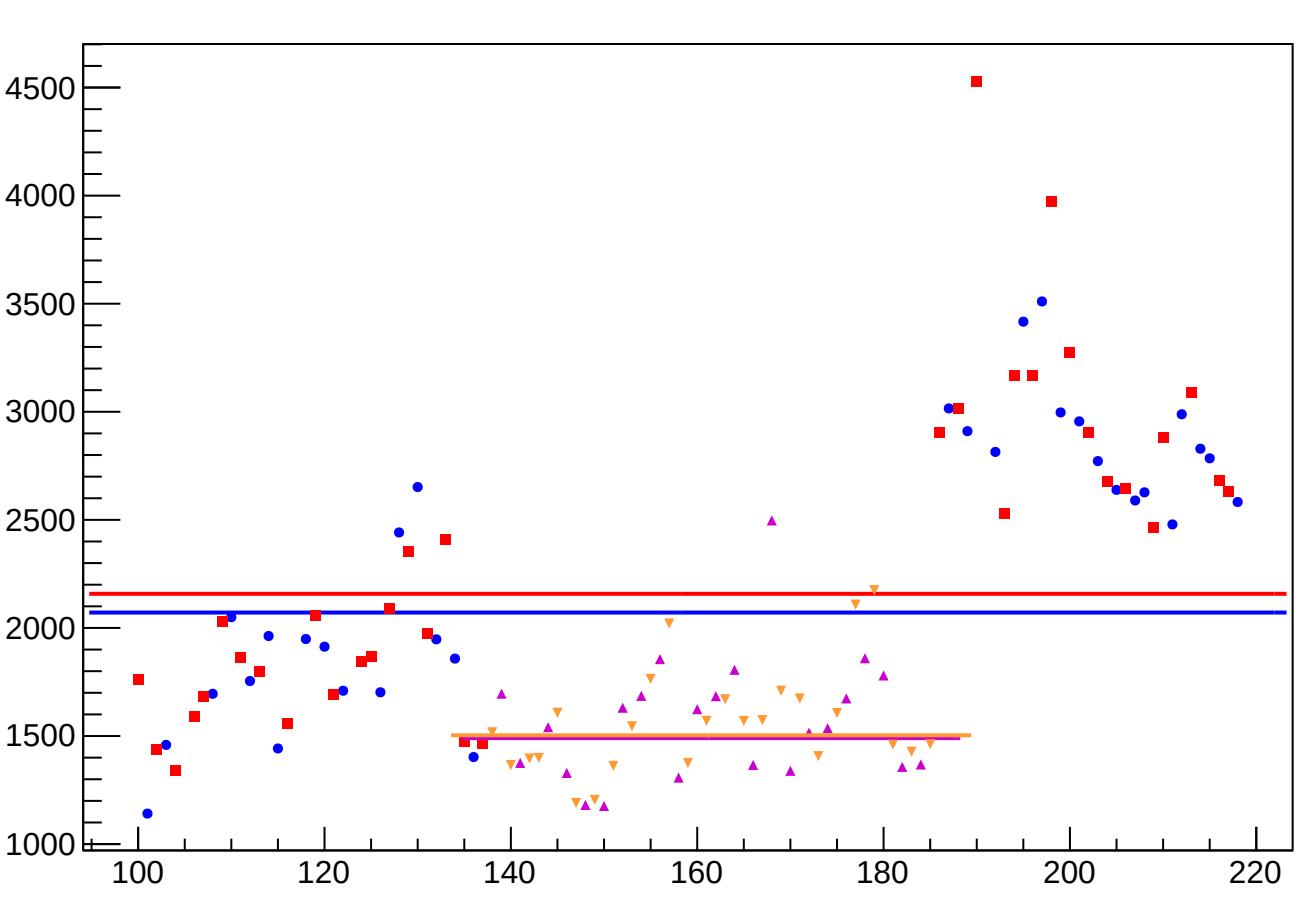
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -41.744+/-348.549 χ^2/NDF: 76.3/66

In: 246.977+/-286.089 χ^2/NDF:62.2/54

Out: 30.790+/-285.241 χ^2/NDF:60.2/59

All: 138.563+/-201.995 χ^2/NDF: 122.7/114



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: 2157.924+/-0.354 χ^2/NDF: 3381026.4/34

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

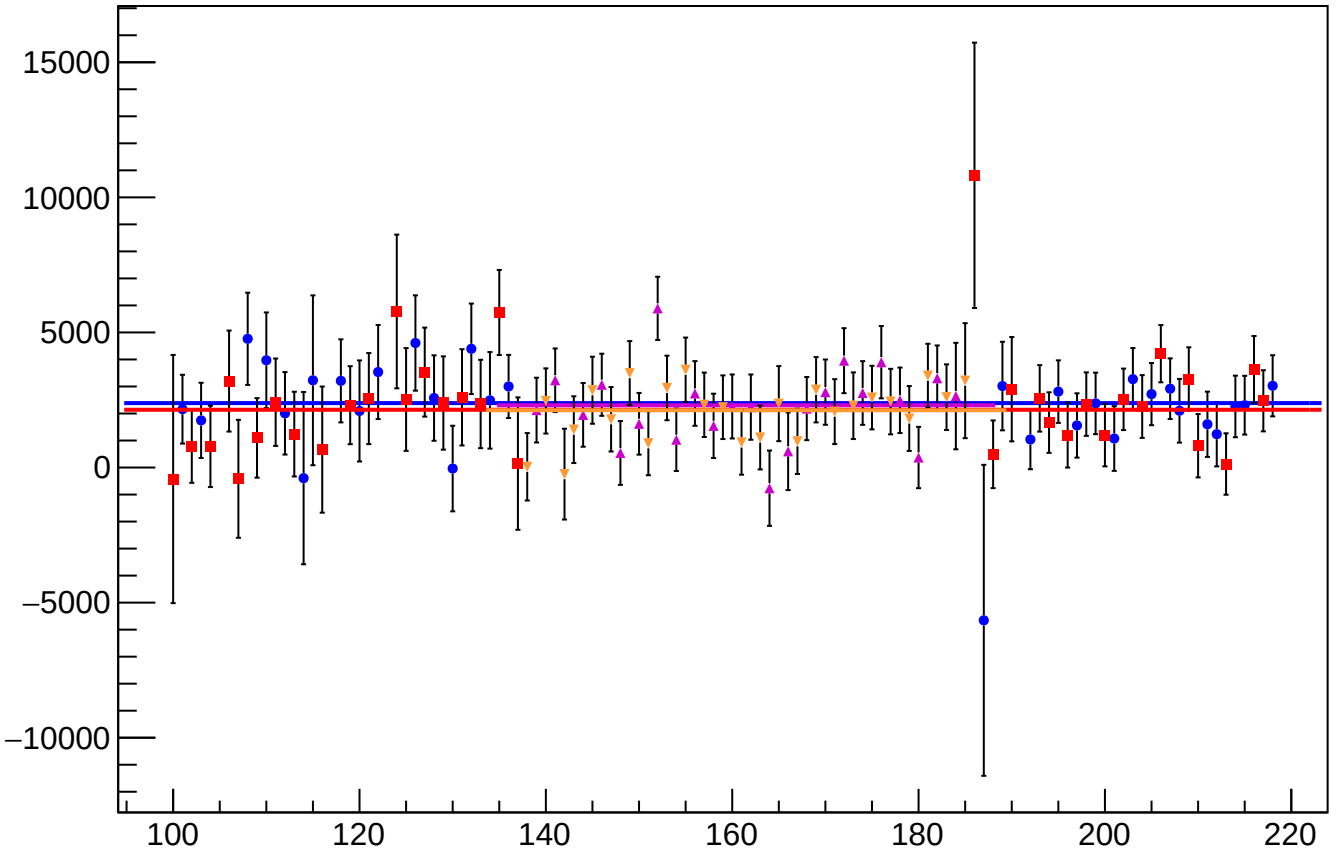
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 2113.334+/-0.246 χ^2/NDF: 7164841.9/66

In: 1691.686+/-0.202 χ^2/NDF:6588893.9/54

Out: 1716.243+/-0.202 χ^2/NDF:6491166.0/59

All: 1704.001+/-0.143 χ^2/NDF: 13087450.4/1



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: 2138.819+/-244.012 χ^2/NDF: 31.0/34

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

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

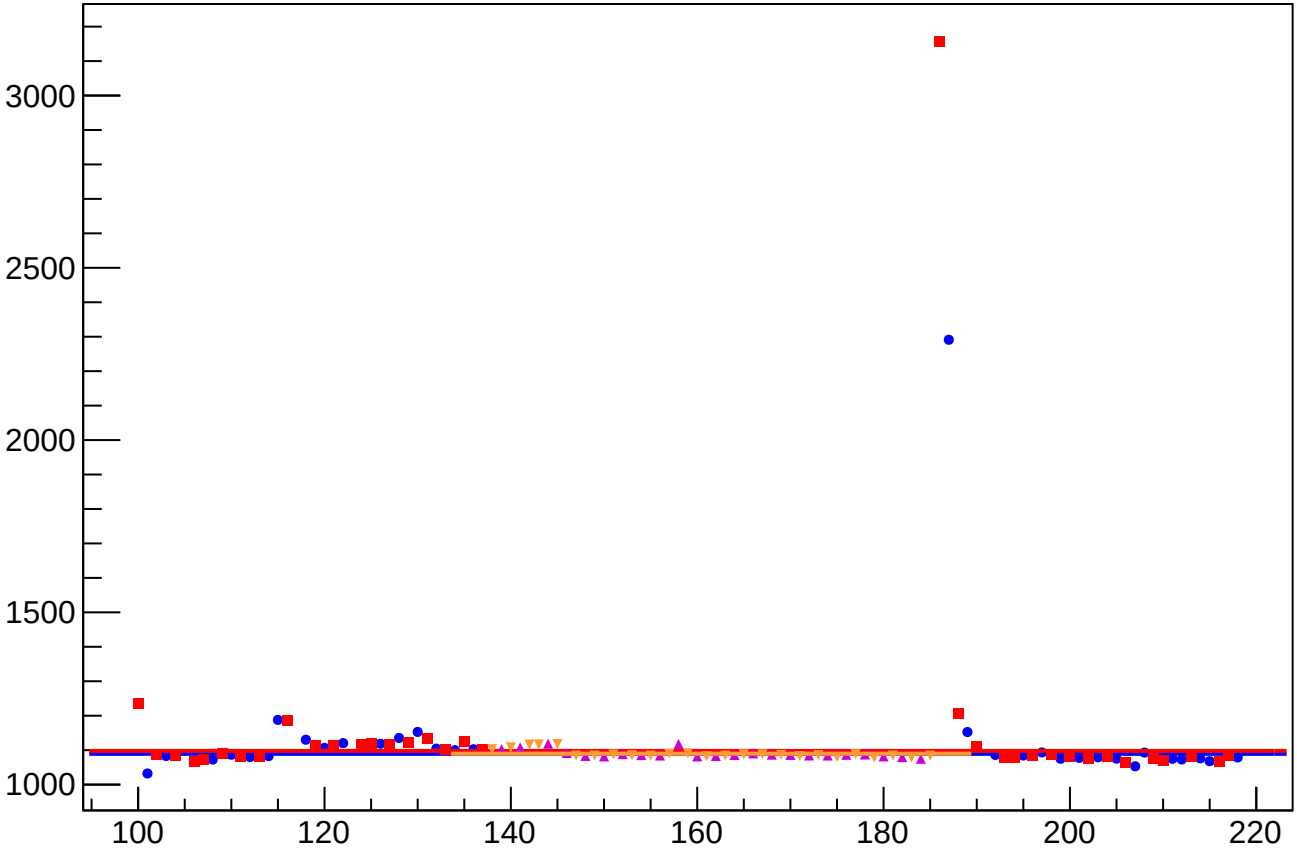
Right: 2262.443+/-172.172 χ^2/NDF: 49.9/66

In: 2347.055+/-175.739 χ^2/NDF:46.9/54

Out: 2129.532+/-173.778 χ^2/NDF:46.1/59

All: 2237.073+/-123.567 χ^2/NDF: 93.8/114

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: 1097.834+/-0.173 χ^2/NDF: 384082.9/34

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

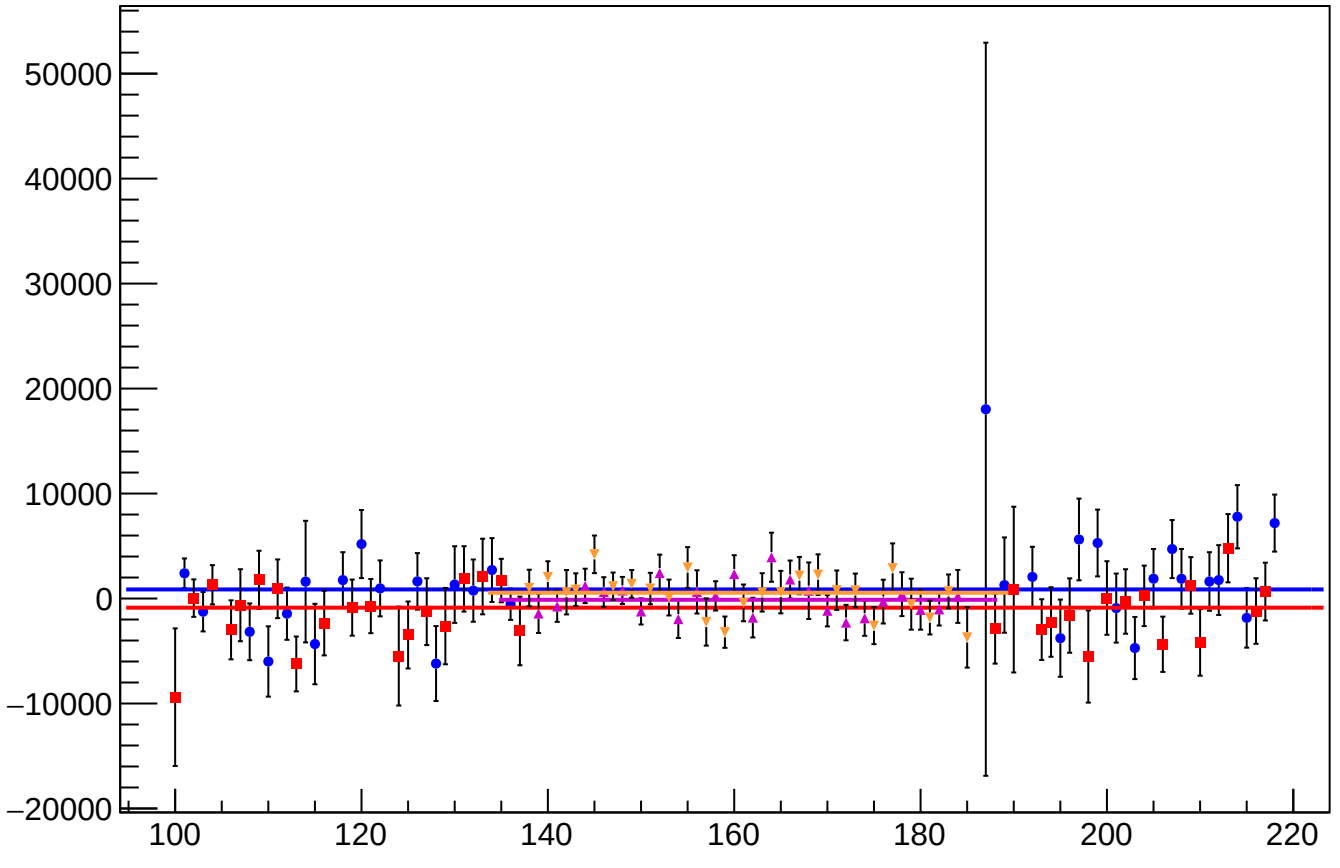
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1093.539+/-0.122 χ^2/NDF: 494994.5/66

In: 1089.607+/-0.124 χ^2/NDF:113581.1/54

Out: 1093.847+/-0.123 χ^2/NDF:389224.1/59

All: 1091.751+/-0.087 χ^2/NDF: 503393.9/114



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: -870.536+/-504.613 χ^2/NDF: 24.3/33

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

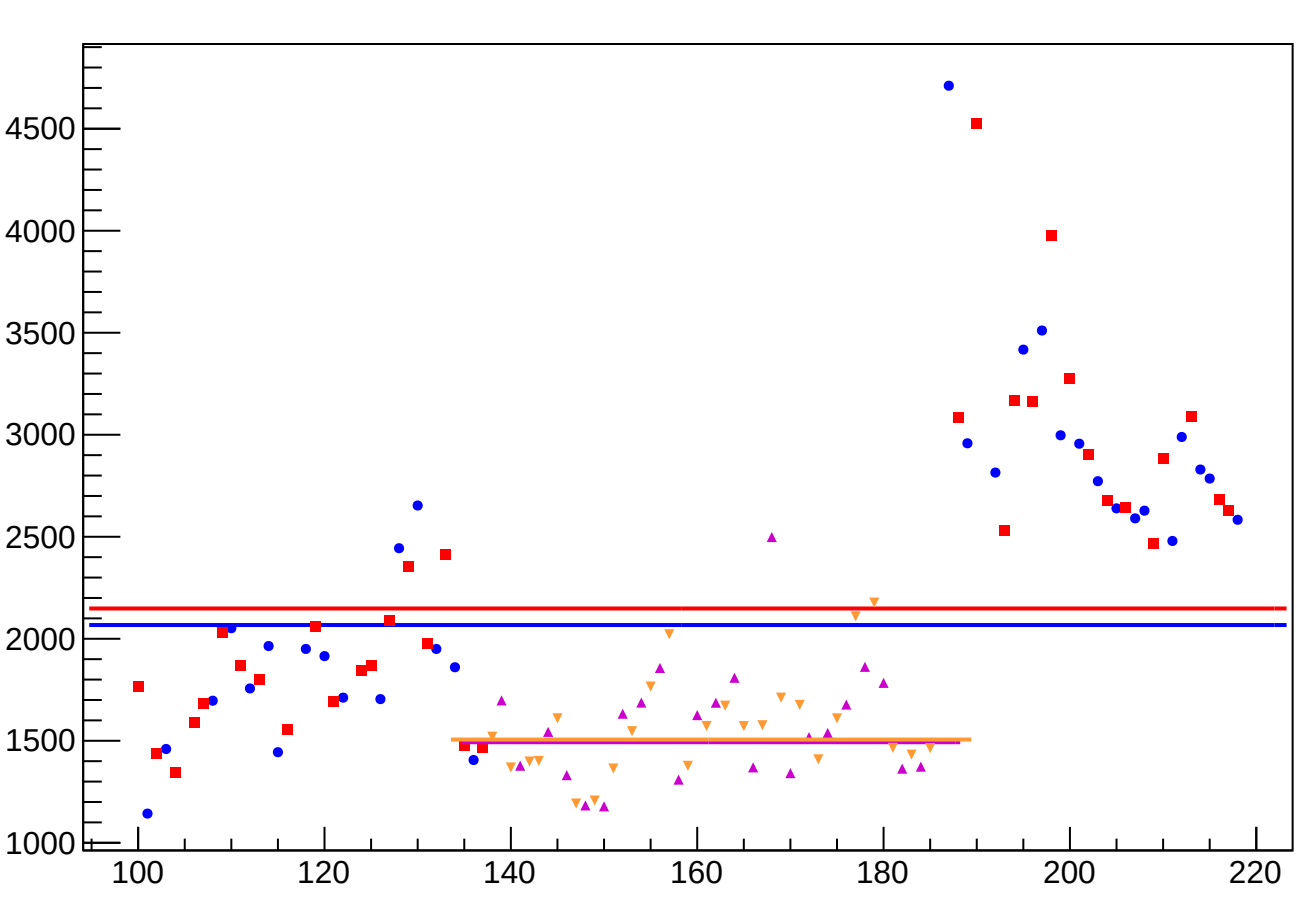
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: 26.423+/-350.869 χ^2/NDF: 72.5/65

In: 219.520+/-286.873 χ^2/NDF:61.8/54

Out: 95.031+/-286.376 χ^2/NDF:55.9/58

All: 157.167+/-202.674 χ^2/NDF: 117.8/113



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: 2148.452+/-0.357 χ^2/NDF: 3314355.7/33

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

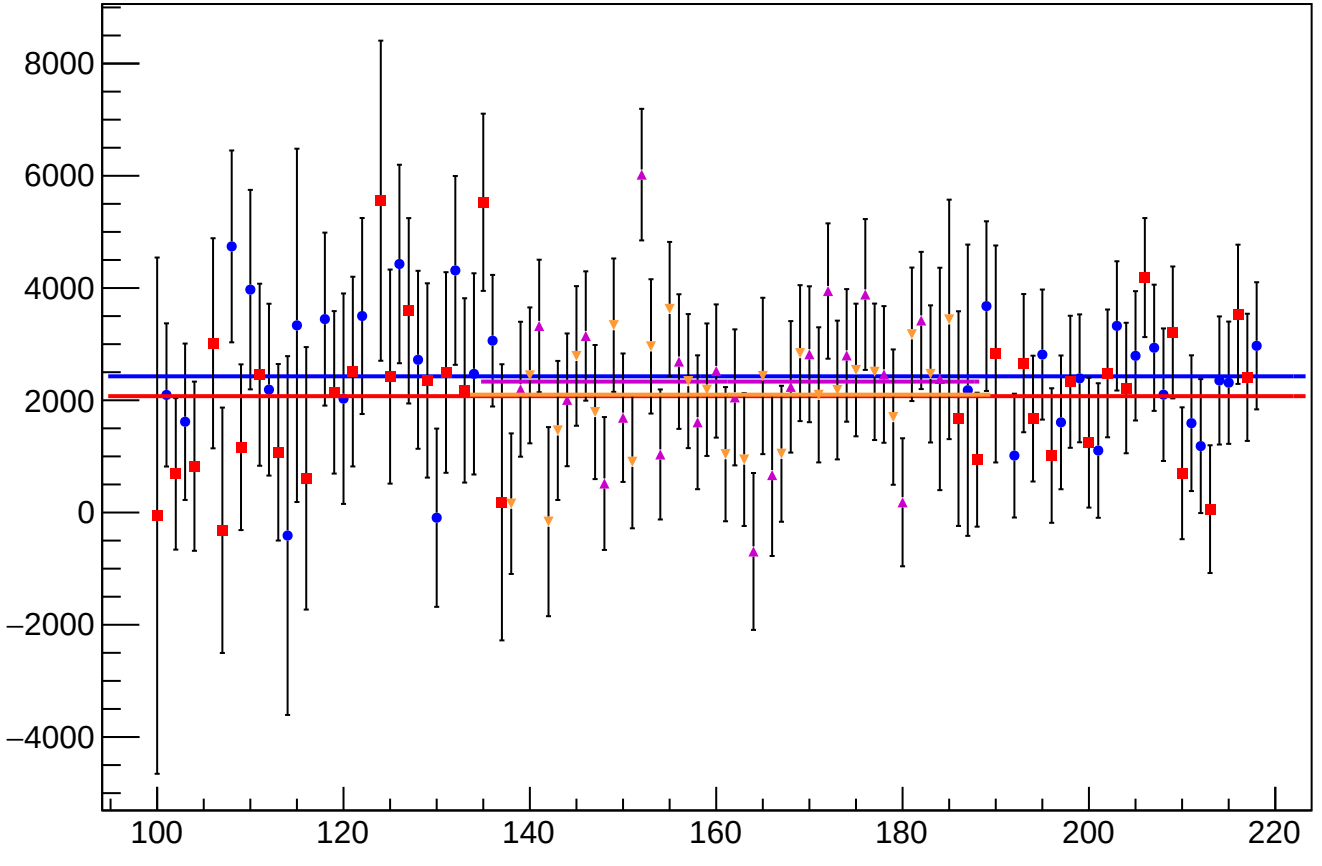
Right: 2106.571+/-0.248 χ^2/NDF: 7045693.6/65

In: 1691.308+/-0.203 χ^2/NDF:6481624.3/54

Out: 1712.987+/-0.202 χ^2/NDF:6307799.0/58

All: 1702.167+/-0.143 χ^2/NDF: 12795144.0/1

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: 2073.302+/-242.209 χ^2/NDF: 26.3/34

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

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

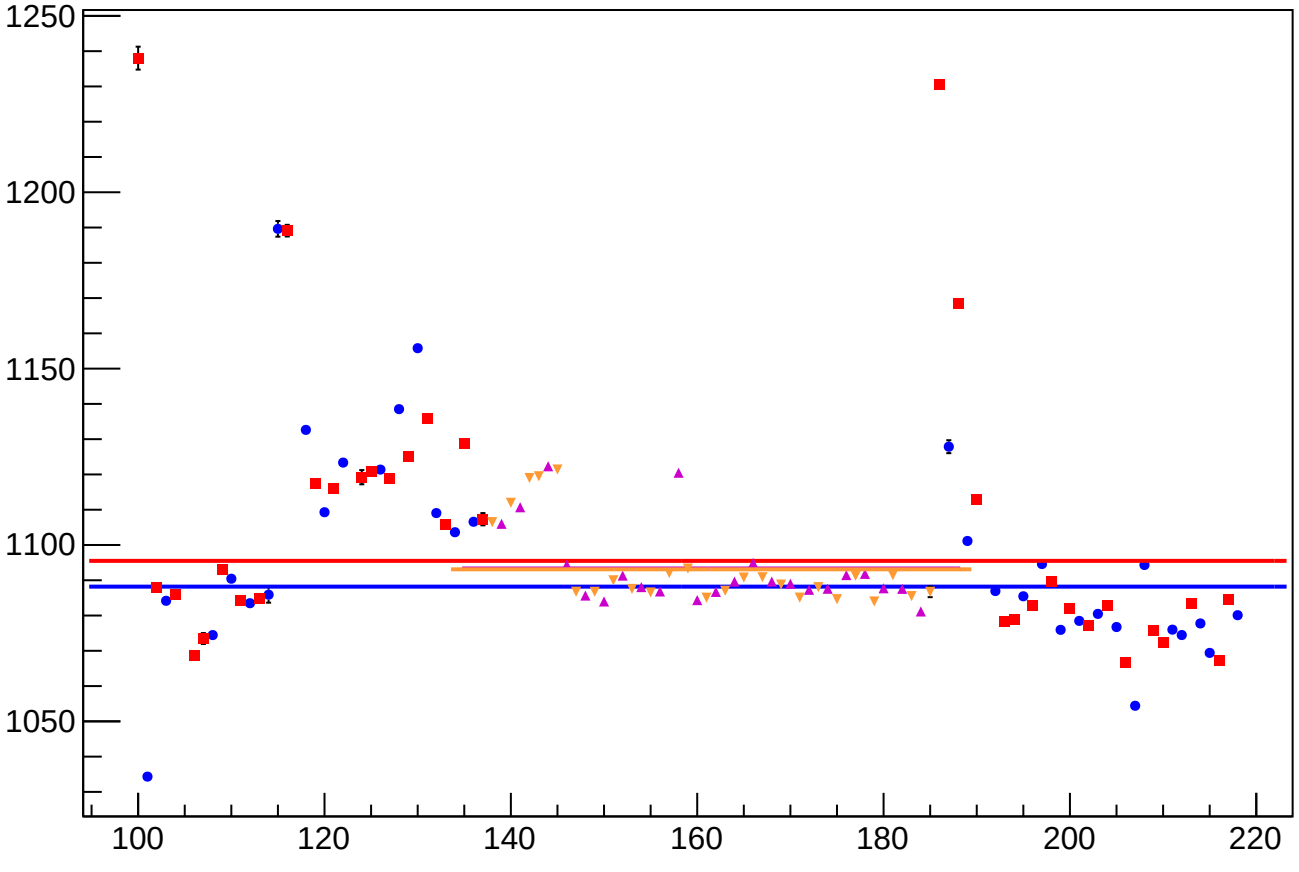
Right: 2250.283+/-171.214 χ^2/NDF: 44.5/66

In: 2382.499+/-175.650 χ^2/NDF:46.6/54

Out: 2086.513+/-173.383 χ^2/NDF:40.2/59

All: 2232.583+/-123.394 χ^2/NDF: 88.2/114

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: 1095.499+/-0.171 χ^2/NDF: 34347.2/34

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

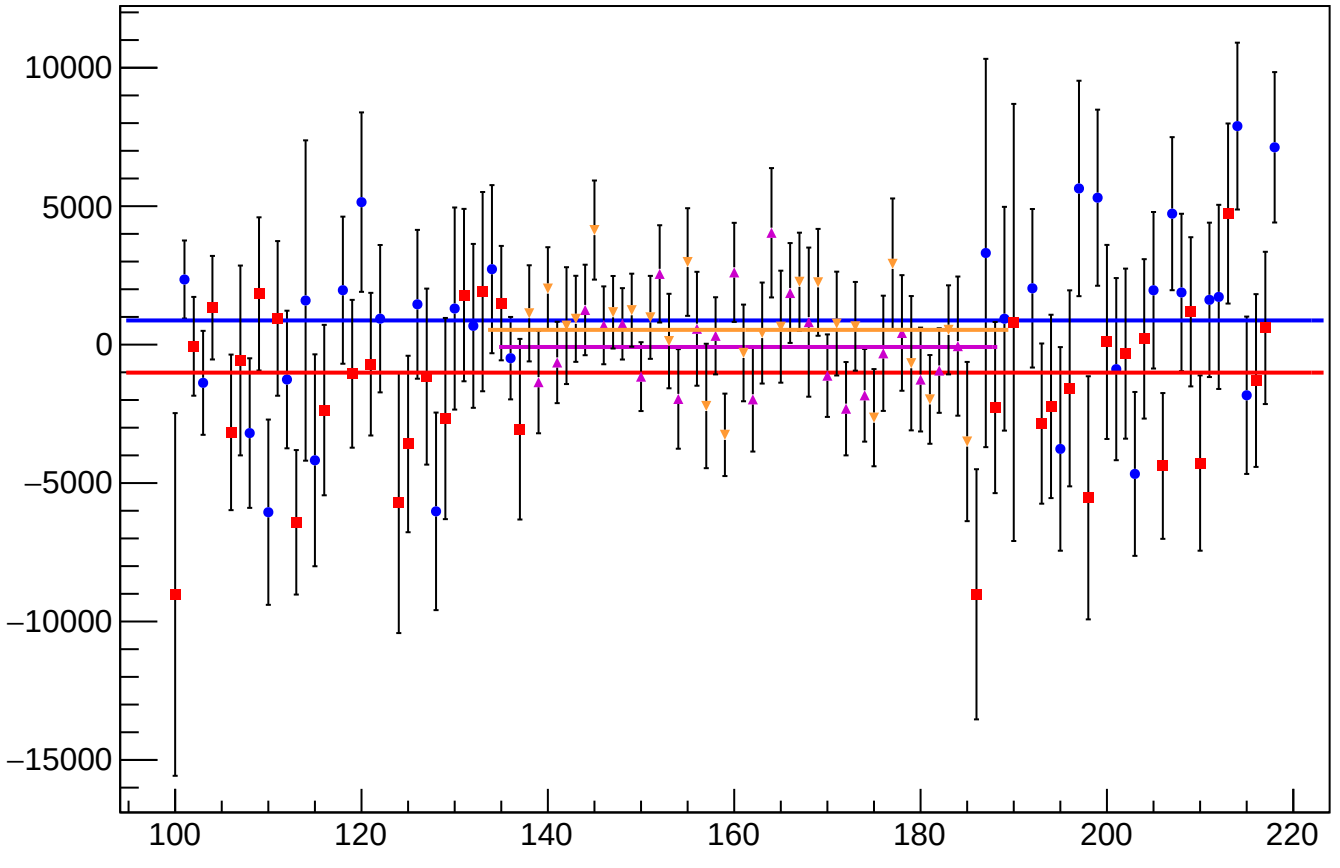
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1091.844+/-0.121 χ^2/NDF: 55613.2/66

In: 1090.629+/-0.124 χ^2/NDF:24509.2/54

Out: 1094.330+/-0.123 χ^2/NDF:38425.9/59

All: 1092.504+/-0.087 χ^2/NDF: 63384.7/114



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: -1011.510+/-500.230 χ^2/NDF: 27.4/34

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

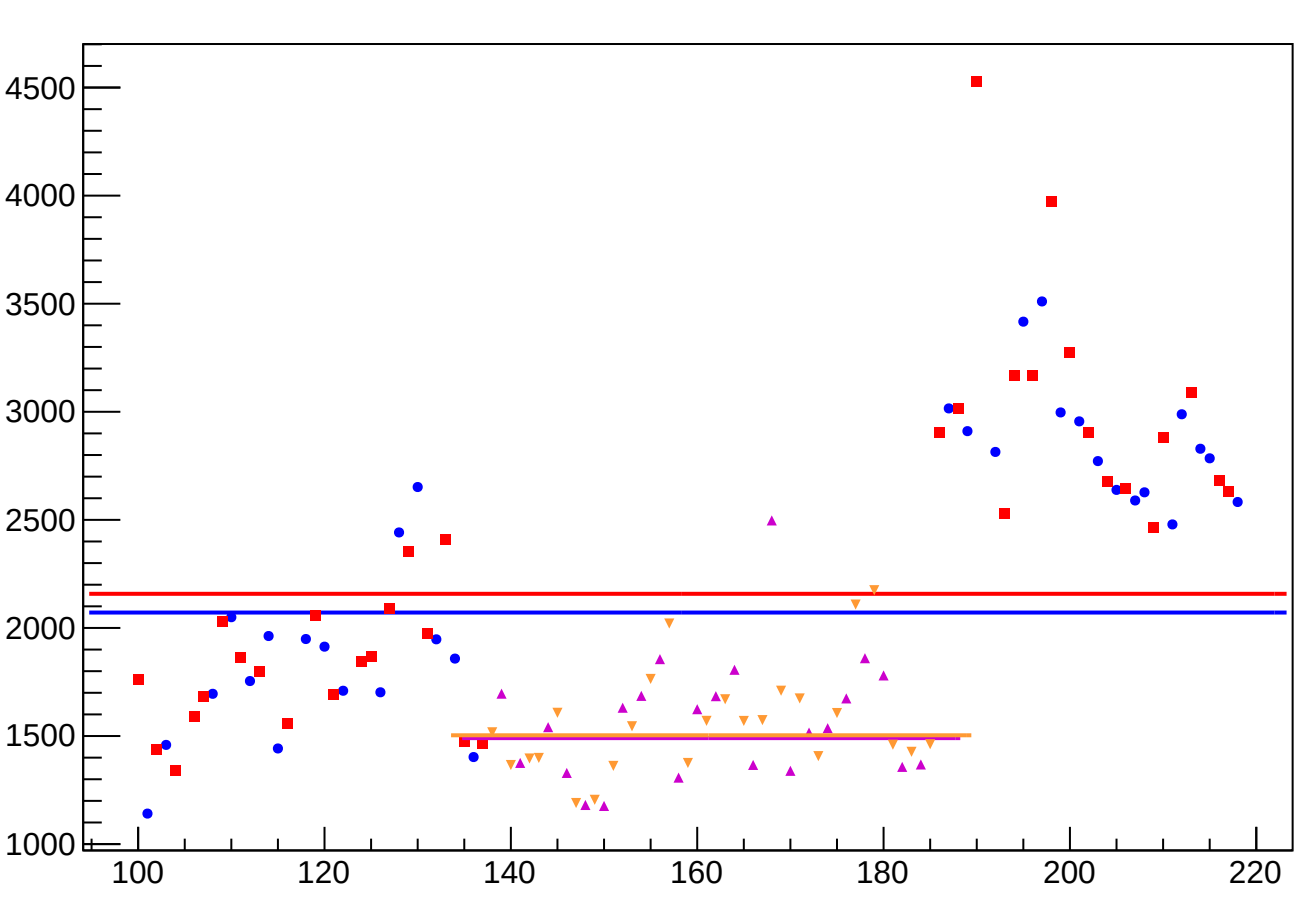
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -41.744+/-348.549 χ^2/NDF: 76.3/66

In: 246.977+/-286.089 χ^2/NDF:62.2/54

Out: 30.790+/-285.241 χ^2/NDF:60.2/59

All: 138.563+/-201.995 χ^2/NDF: 122.7/114



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: 2157.924+/-0.354 χ^2/NDF: 3381026.4/34

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

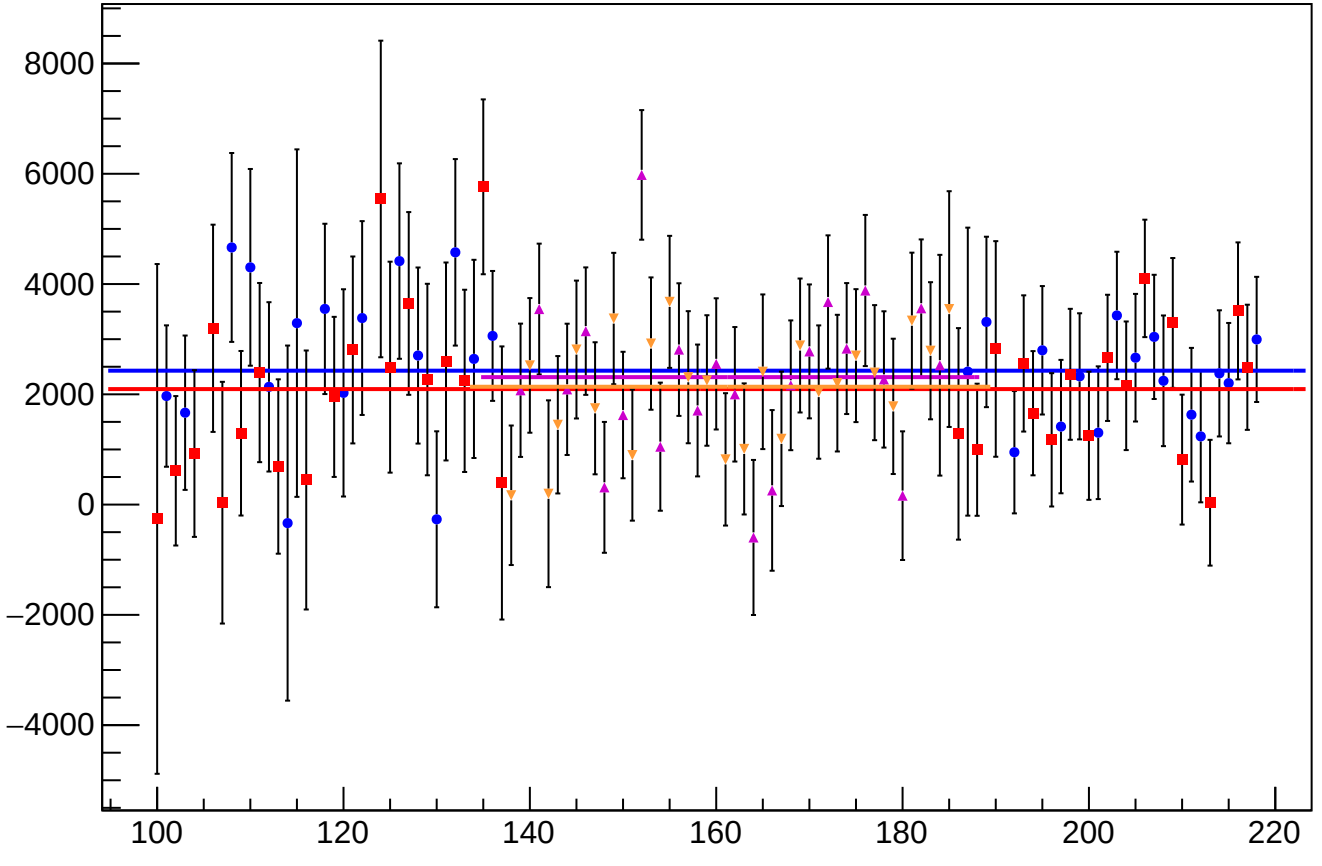
Right: 2113.334+/-0.246 χ^2/NDF: 7164841.9/66

In: 1691.686+/-0.202 χ^2/NDF:6588893.9/54

Out: 1716.243+/-0.202 χ^2/NDF:6491166.0/59

All: 1704.001+/-0.143 χ^2/NDF: 13087450.4/1

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: 2094.802+/-243.247 χ^2/NDF: 26.7/34

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

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

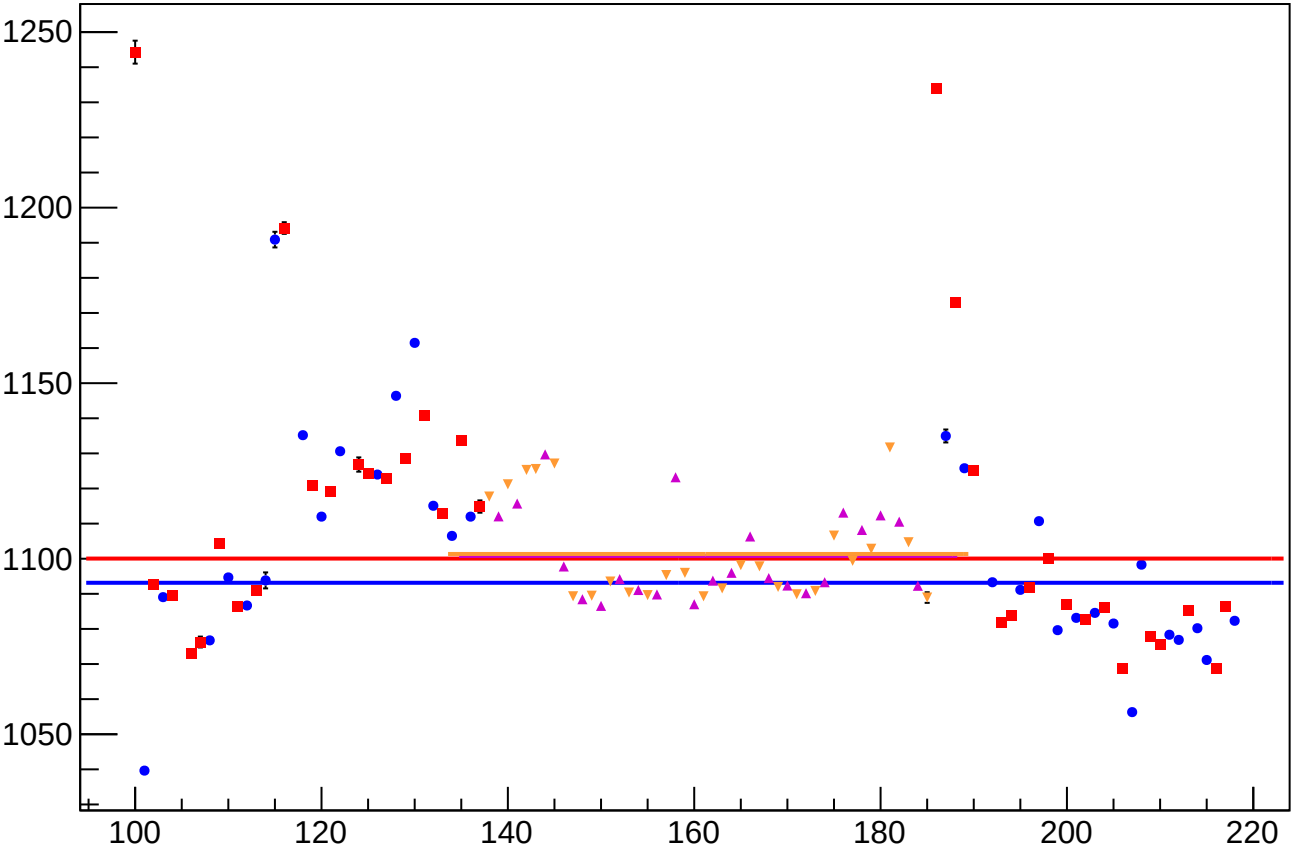
Right: 2261.802+/-171.975 χ^2/NDF: 45.2/66

In: 2373.469+/-176.646 χ^2/NDF:47.7/54

Out: 2115.397+/-174.406 χ^2/NDF:40.6/59

All: 2242.786+/-124.108 χ^2/NDF: 89.4/114

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: 1100.042+/-0.172 χ^2/NDF: 35016.8/34

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

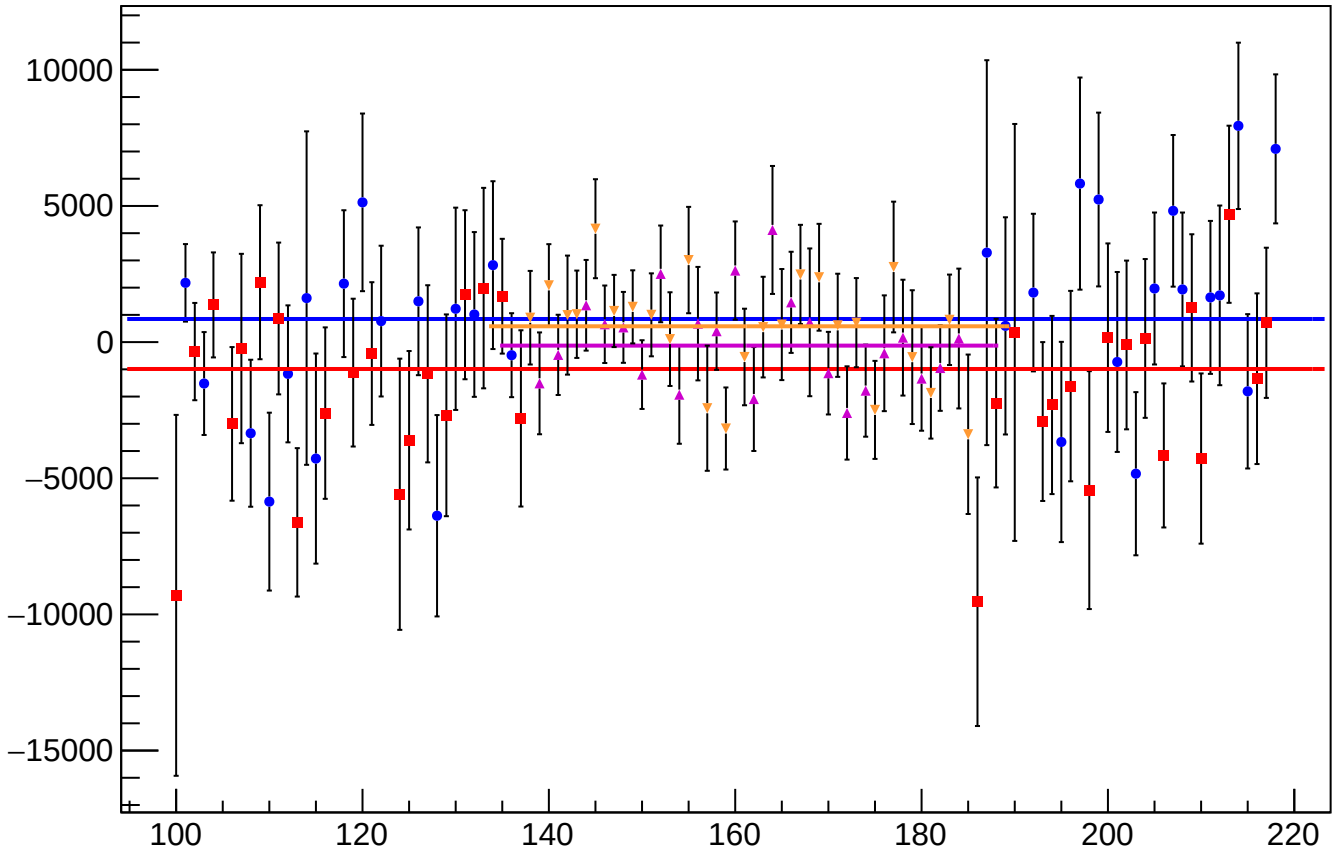
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1096.592+/-0.122 χ^2/NDF: 58167.4/66

In: 1096.756+/-0.125 χ^2/NDF:27922.5/54

Out: 1100.679+/-0.123 χ^2/NDF:40995.6/59

All: 1098.743+/-0.088 χ^2/NDF: 69417.6/114



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: -986.981+/-505.559 χ^2/NDF: 27.5/34

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

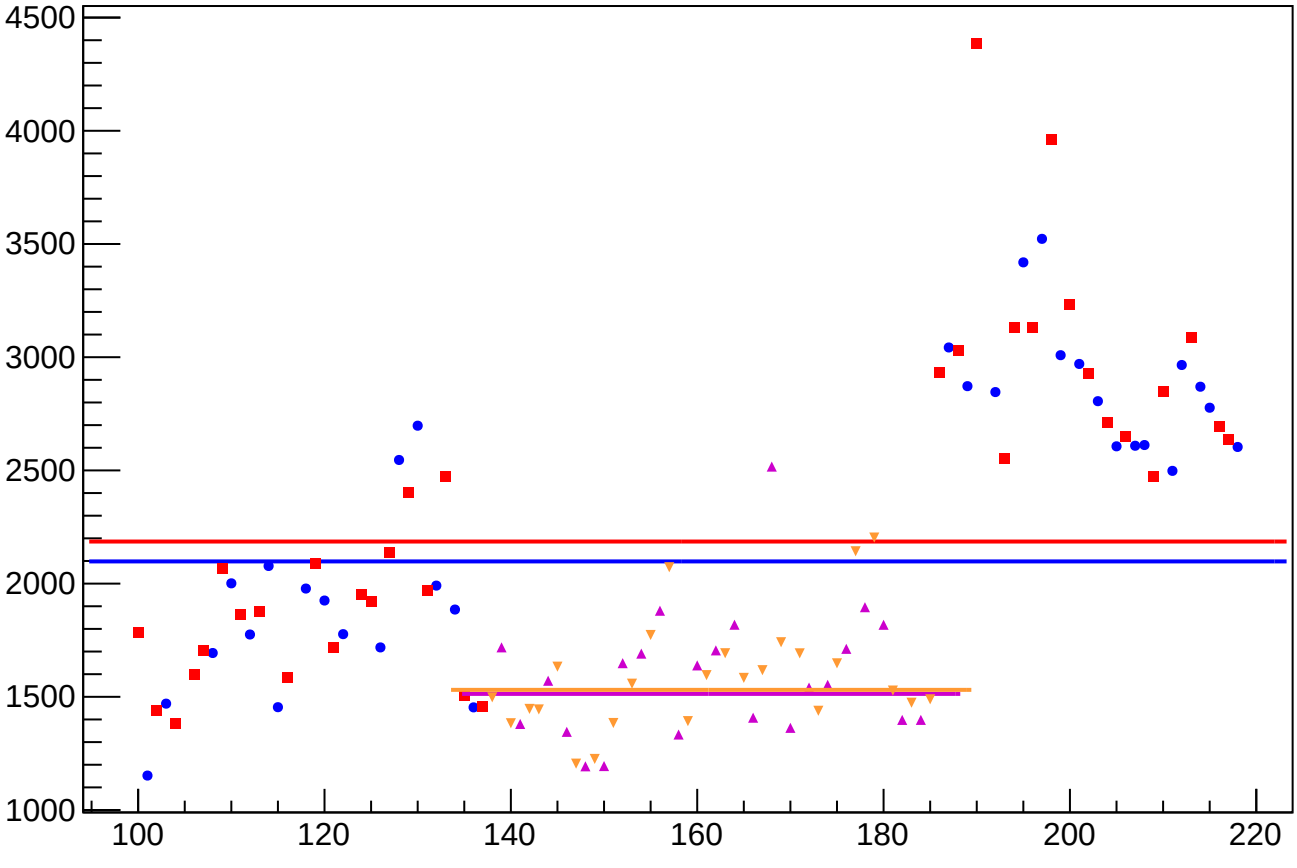
Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

Right: -42.453+/-352.289 χ^2/NDF: 75.8/66

In: 211.882+/-289.903 χ^2/NDF:62.0/54

Out: 66.625+/-289.643 χ^2/NDF:59.3/59

All: 139.189+/-204.900 χ^2/NDF: 121.5/114



Right In: 2098.061+/-0.347 χ^2/NDF: 3631534.7/31

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2185.868+/-0.357 χ^2/NDF: 3219972.8/34

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

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

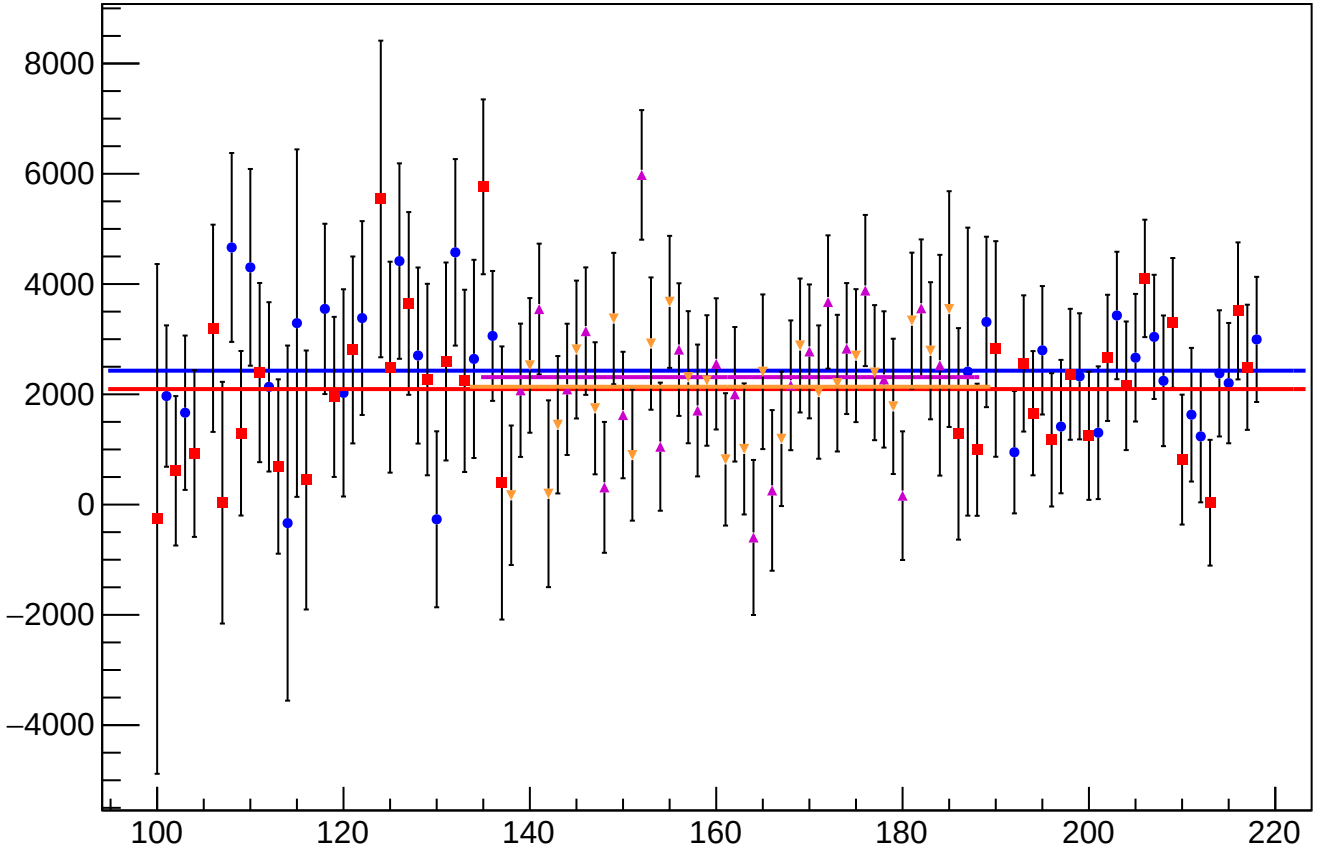
Right: 2140.698+/-0.249 χ^2/NDF: 6882543.5/66

In: 1716.778+/-0.205 χ^2/NDF:6438040.9/54

Out: 1745.790+/-0.205 χ^2/NDF:6271536.0/59

All: 1731.297+/-0.145 χ^2/NDF: 12719600.9/1

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: 2094.805+/-243.247 χ^2/NDF: 26.7/34

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

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

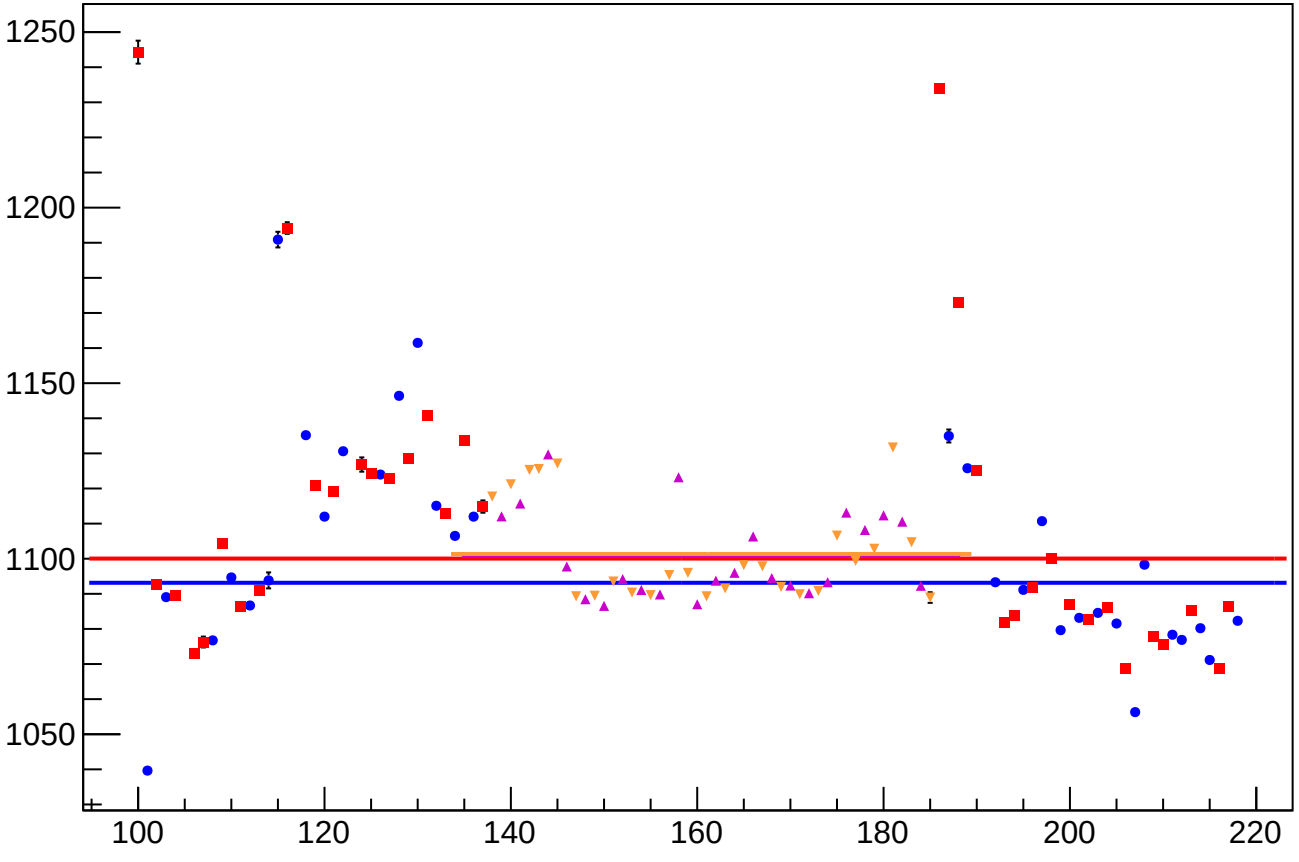
Right: 2261.804+/-171.975 χ^2/NDF: 45.2/66

In: 2373.469+/-176.646 χ^2/NDF:47.7/54

Out: 2115.397+/-174.406 χ^2/NDF:40.6/59

All: 2242.786+/-124.108 χ^2/NDF: 89.4/114

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: 1100.042+/-0.172 χ^2/NDF: 35016.7/34

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

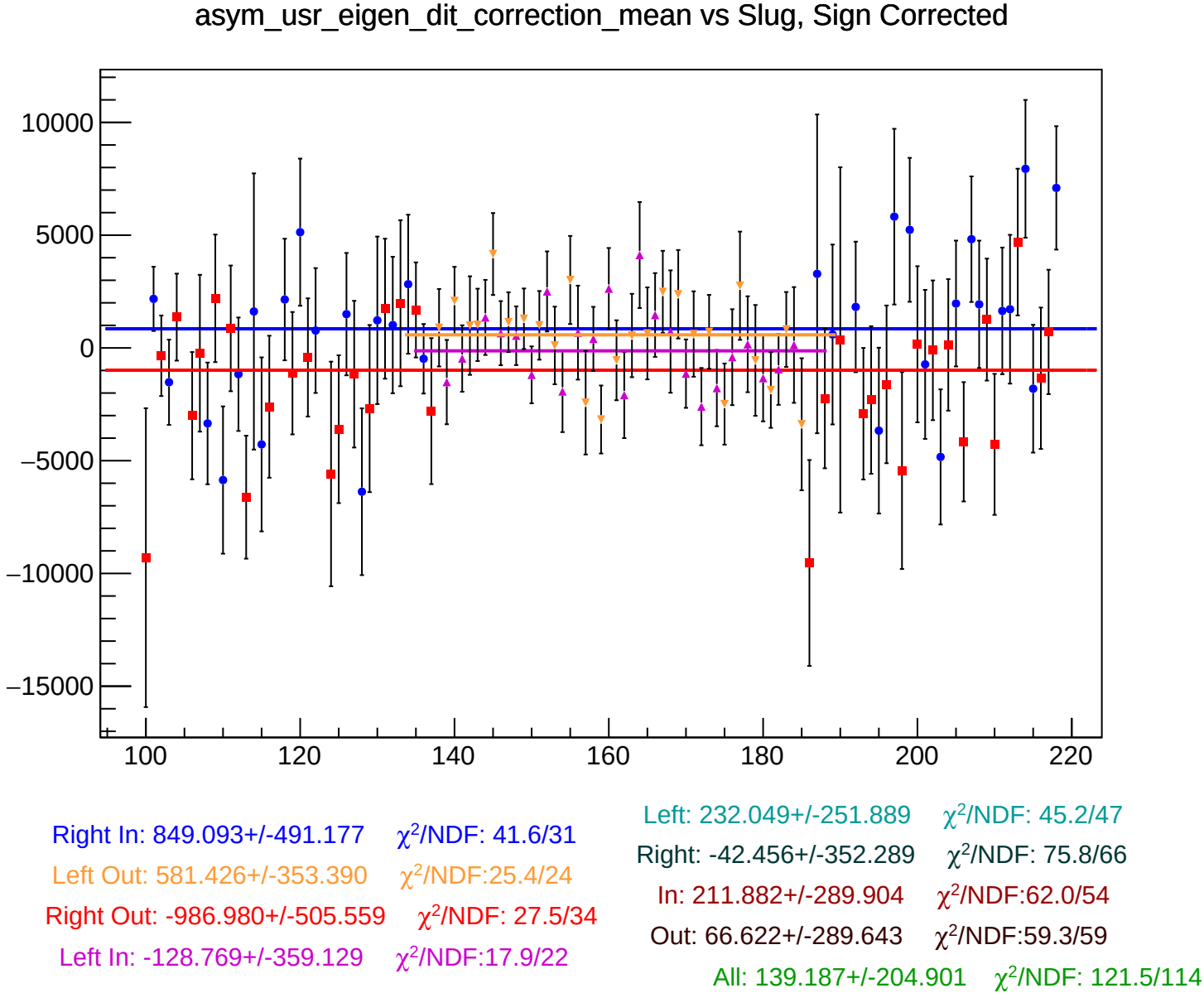
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

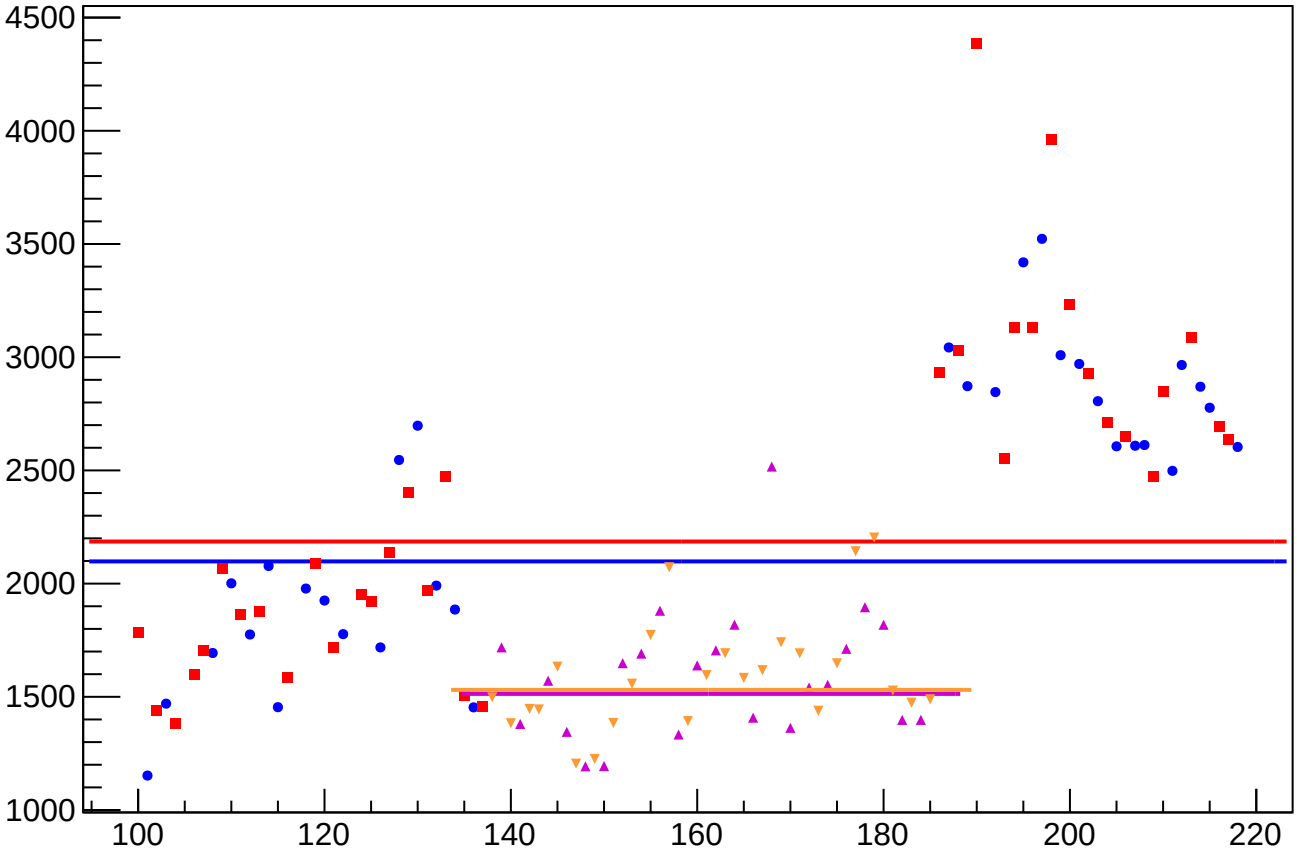
Right: 1096.592+/-0.122 χ^2/NDF: 58167.1/66

In: 1096.756+/-0.125 χ^2/NDF:27922.3/54

Out: 1100.679+/-0.123 χ^2/NDF:40995.5/59

All: 1098.743+/-0.088 χ^2/NDF: 69417.3/114


asym_usr_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 849.093+/-491.177 χ²/NDF: 41.6/31
Left Out: 581.426+/-353.390 χ²/NDF:25.4/24
Right Out: -986.980+/-505.559 χ²/NDF: 27.5/34
Left In: -128.769+/-359.129 χ²/NDF:17.9/22
Left: 232.049+/-251.889 χ²/NDF: 45.2/47
Right: -42.456+/-352.289 χ²/NDF: 75.8/66
In: 211.882+/-289.904 χ²/NDF:62.0/54
Out: 66.622+/-289.643 χ²/NDF:59.3/59
All: 139.187+/-204.901 χ²/NDF: 121.5/114



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: 2185.867+/-0.357 χ^2/NDF: 3219974.1/34

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

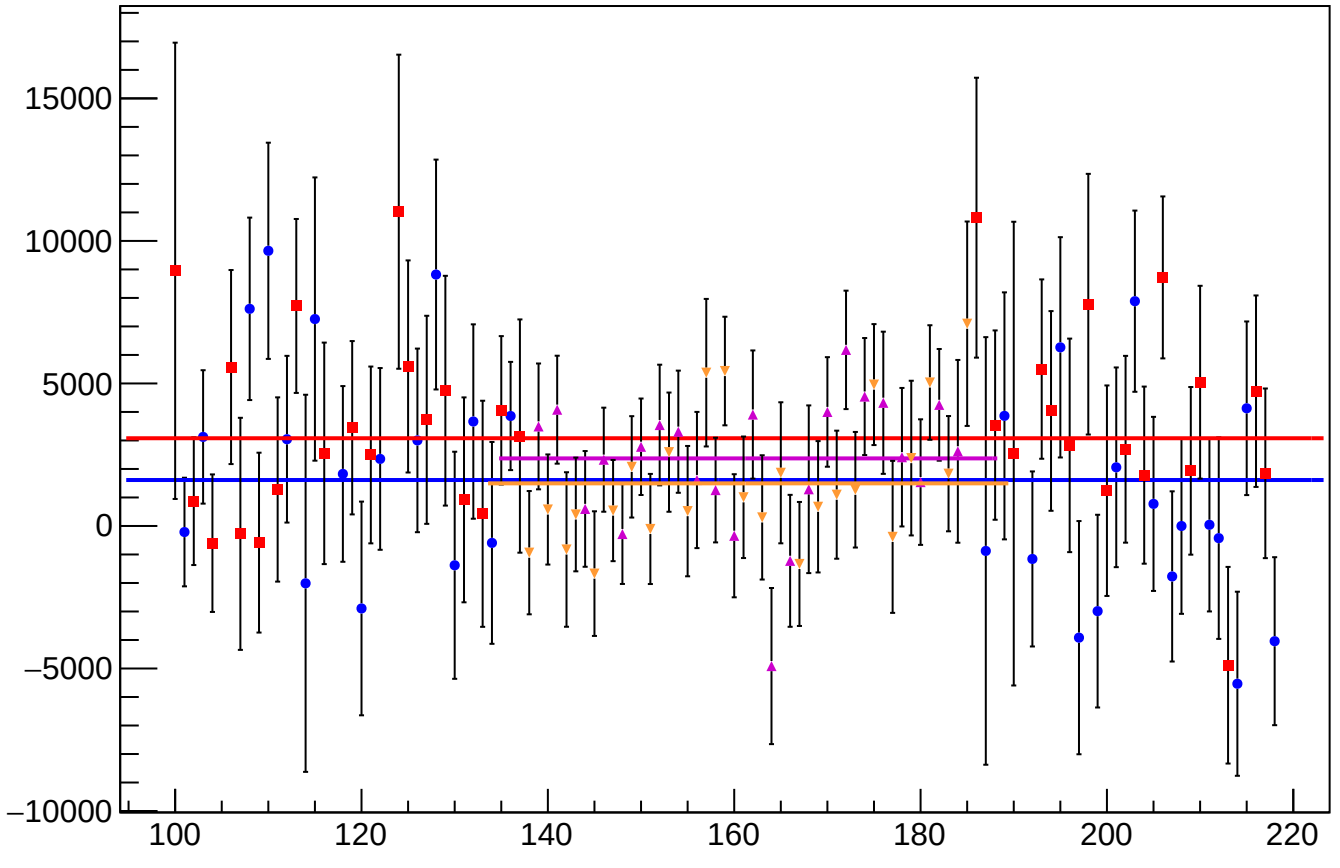
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 2140.696+/-0.249 χ^2/NDF: 6882559.7/66

In: 1716.781+/-0.205 χ^2/NDF:6438027.7/54

Out: 1745.793+/-0.205 χ^2/NDF:6271503.9/59

All: 1731.300+/-0.145 χ^2/NDF: 12719555.9/1



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: 3077.681+/-573.820 χ^2/NDF: 27.6/34

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

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

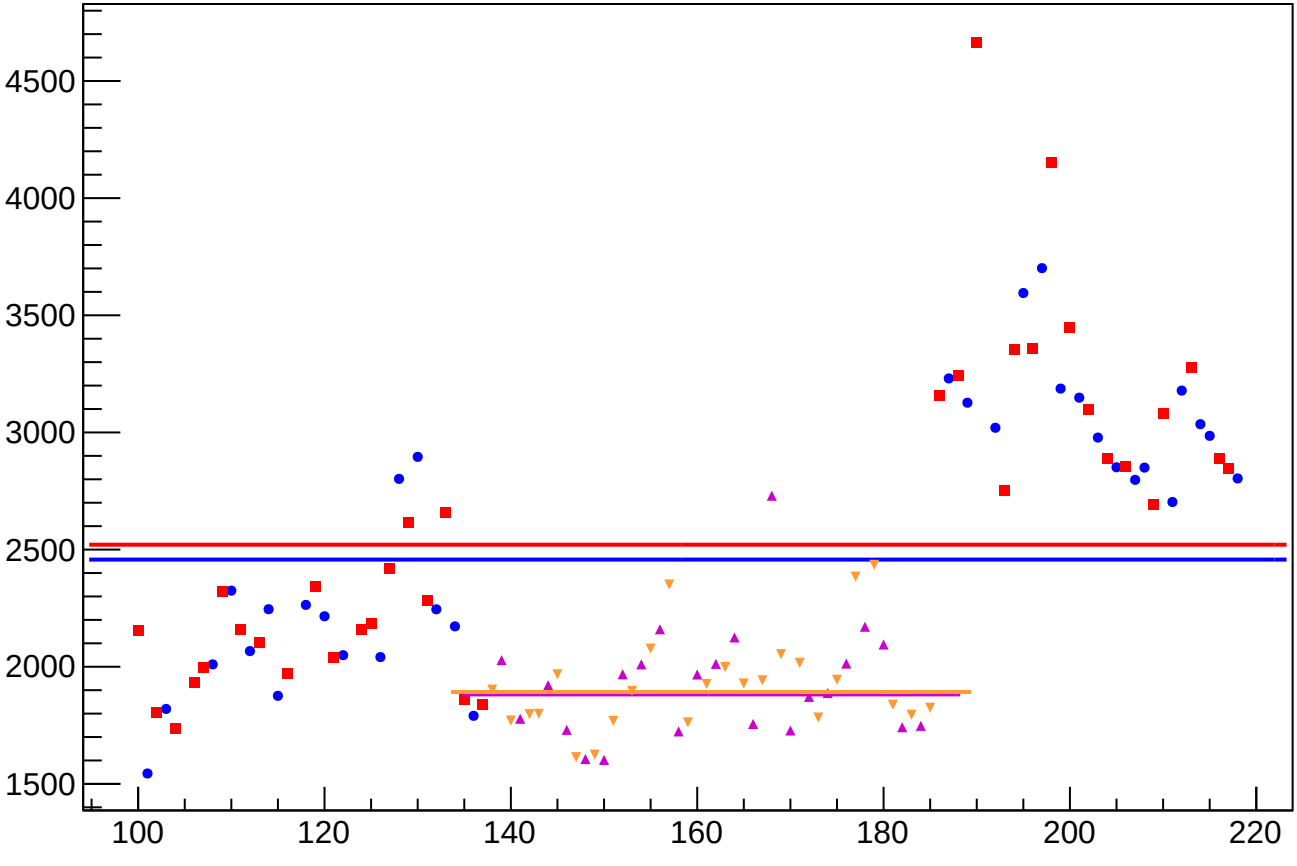
Right: 2331.789+/-402.087 χ^2/NDF: 71.5/66

In: 2081.089+/-348.262 χ^2/NDF:65.3/54

Out: 2069.569+/-345.736 χ^2/NDF:56.2/59

All: 2075.287+/-245.361 χ^2/NDF: 121.6/114

asym_usr_rms vs Slug, Sign Corrected



Right In: 2457.337+/-0.399 χ^2/NDF: 2161890.9/31

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2520.925+/-0.406 χ^2/NDF: 2096989.0/34

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

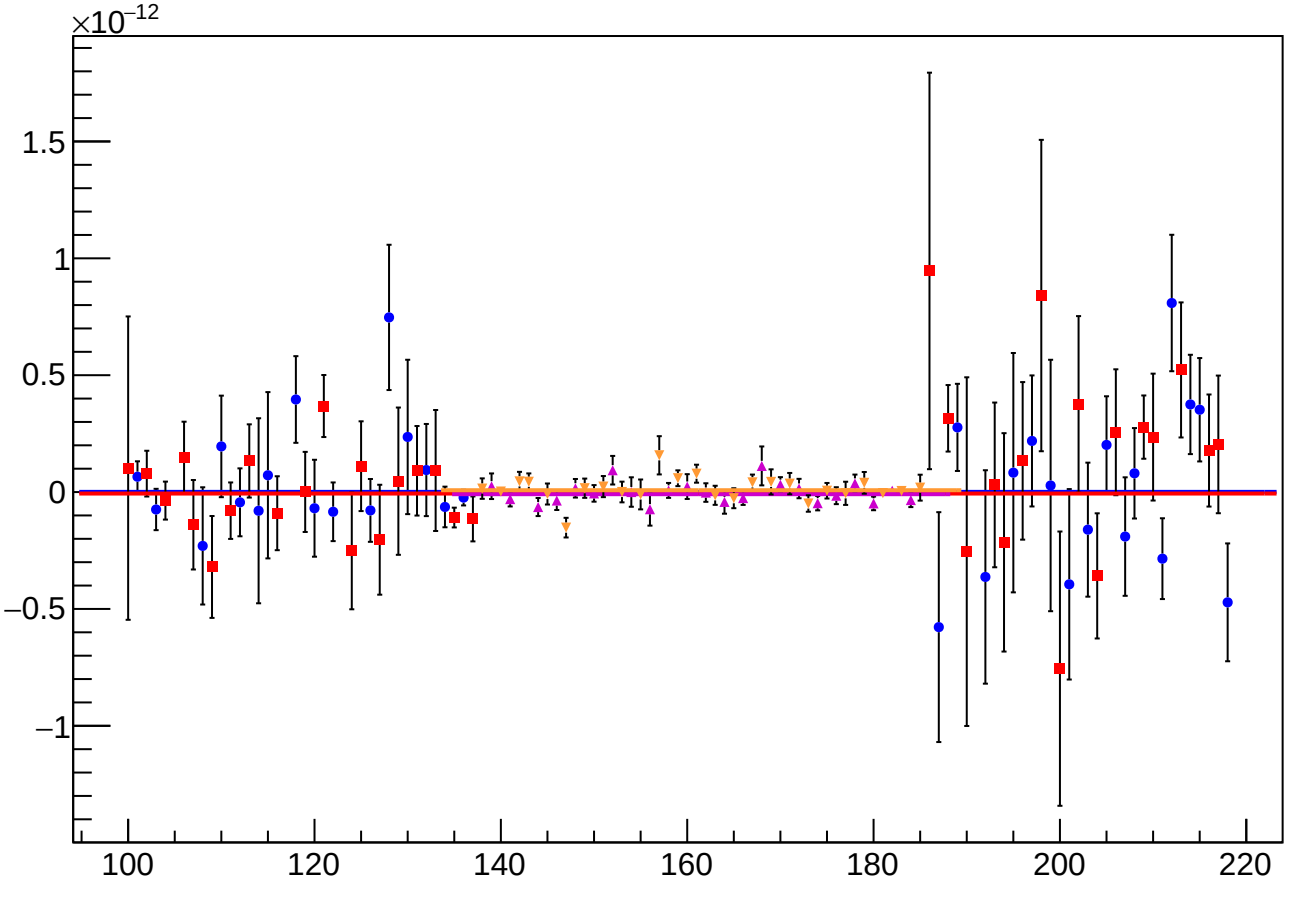
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2488.559+/-0.284 χ^2/NDF: 4271380.8/66

In: 2101.622+/-0.246 χ^2/NDF:3913421.2/54

Out: 2120.391+/-0.244 χ^2/NDF:4016442.4/59

All: 2111.075+/-0.173 χ^2/NDF: 7932789.4/11



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: 47.0/34

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

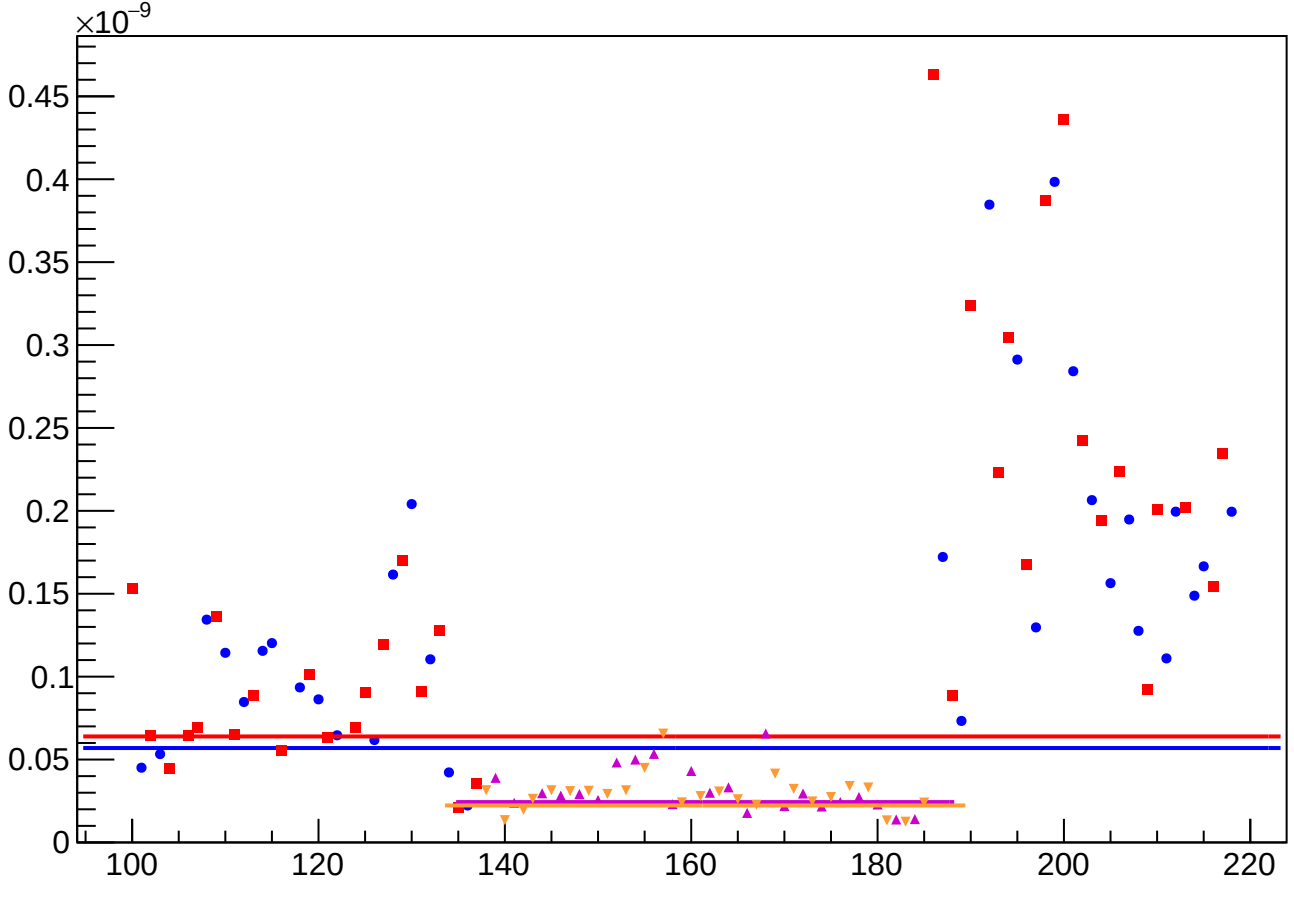
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 90.9/66

In: -0.000+/-0.000 χ^2/NDF:63.1/54

Out: 0.000+/-0.000 χ^2/NDF:79.7/59

All: -0.000+/-0.000 χ^2/NDF: 145.2/114



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: 10047860.6/34

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

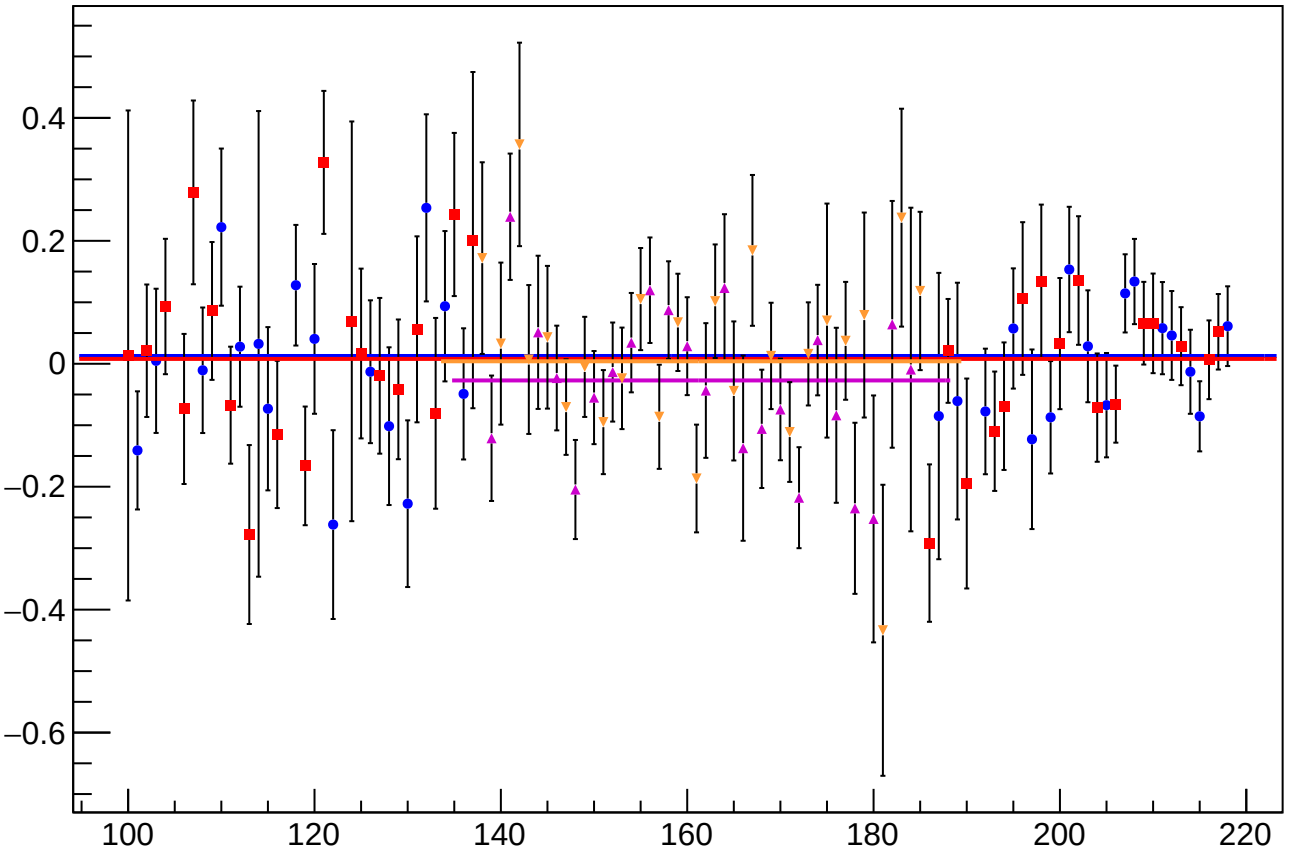
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 20979804.1/66

In: 0.000+/-0.000 χ^2/NDF:17689739.3/54

Out: 0.000+/-0.000 χ^2/NDF:18810698.7/59

All: 0.000+/-0.000 χ^2/NDF: 36615072.2/114



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: 0.008+/-0.017 χ^2/NDF: 41.7/34

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

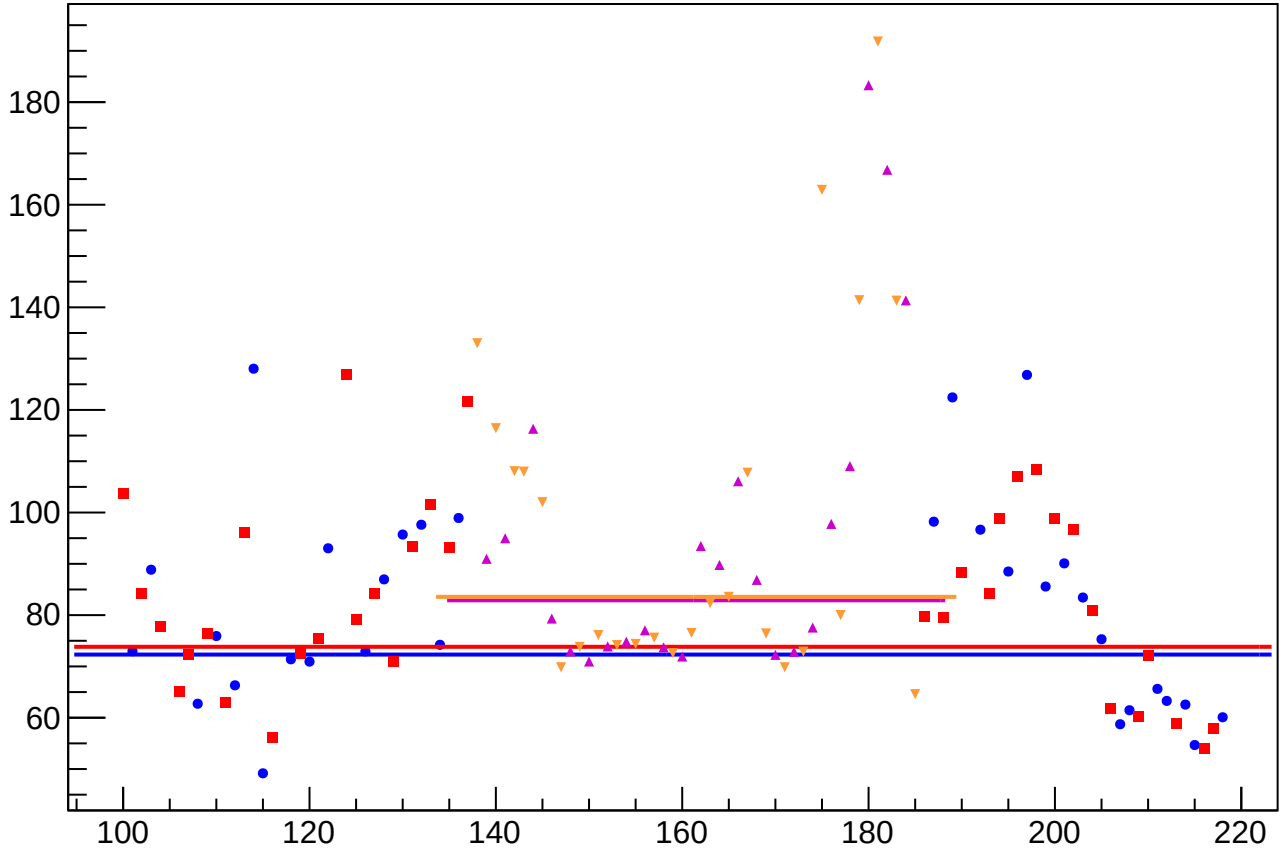
Right: 0.010+/-0.012 χ^2/NDF: 75.4/66

In: -0.004+/-0.013 χ^2/NDF:67.8/54

Out: 0.006+/-0.013 χ^2/NDF:69.9/59

All: 0.001+/-0.009 χ^2/NDF: 138.0/114

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: 73.828+/-0.012 χ^2/NDF: 1708180.3/34

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

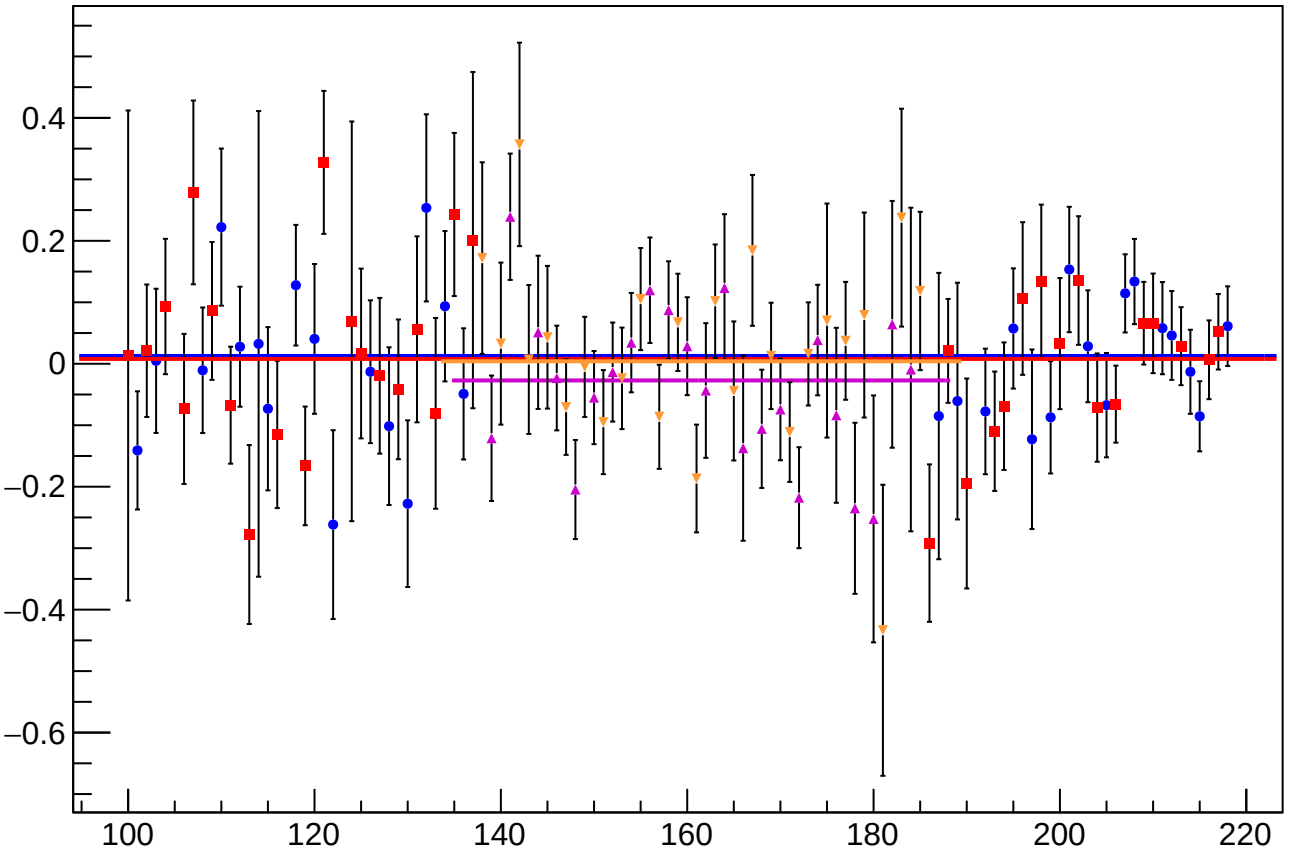
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 73.062+/-0.009 χ^2/NDF: 3421992.9/66

In: 76.611+/-0.009 χ^2/NDF:3593600.4/54

Out: 77.891+/-0.009 χ^2/NDF:4149141.3/59

All: 77.250+/-0.007 χ^2/NDF: 7752268.3/114



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: 0.008+/-0.017 χ^2/NDF: 41.7/34

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

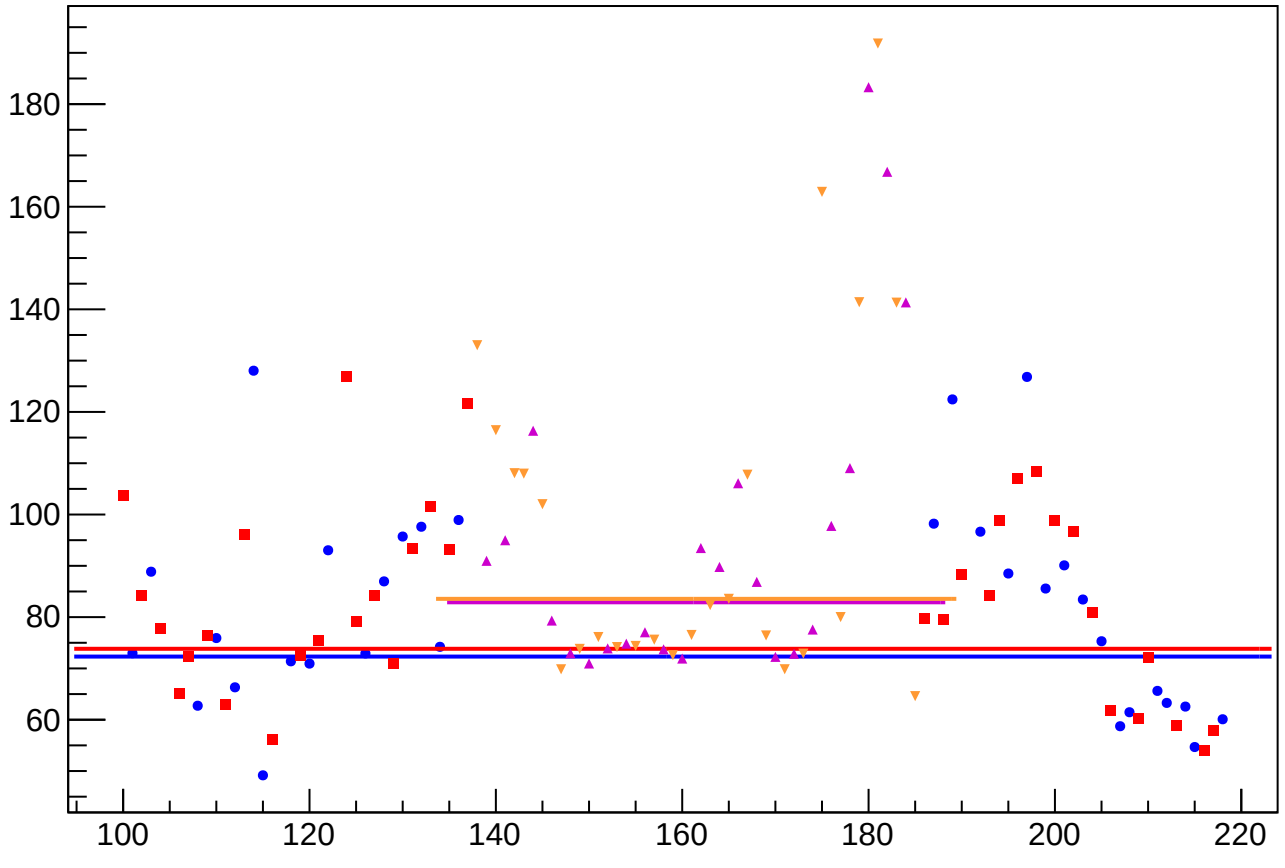
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.010+/-0.012 χ^2/NDF: 75.4/66

In: -0.004+/-0.013 χ^2/NDF:67.8/54

Out: 0.006+/-0.013 χ^2/NDF:69.9/59

All: 0.001+/-0.009 χ^2/NDF: 138.0/114



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: 73.828+/-0.012 χ^2/NDF: 1708180.3/34

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

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

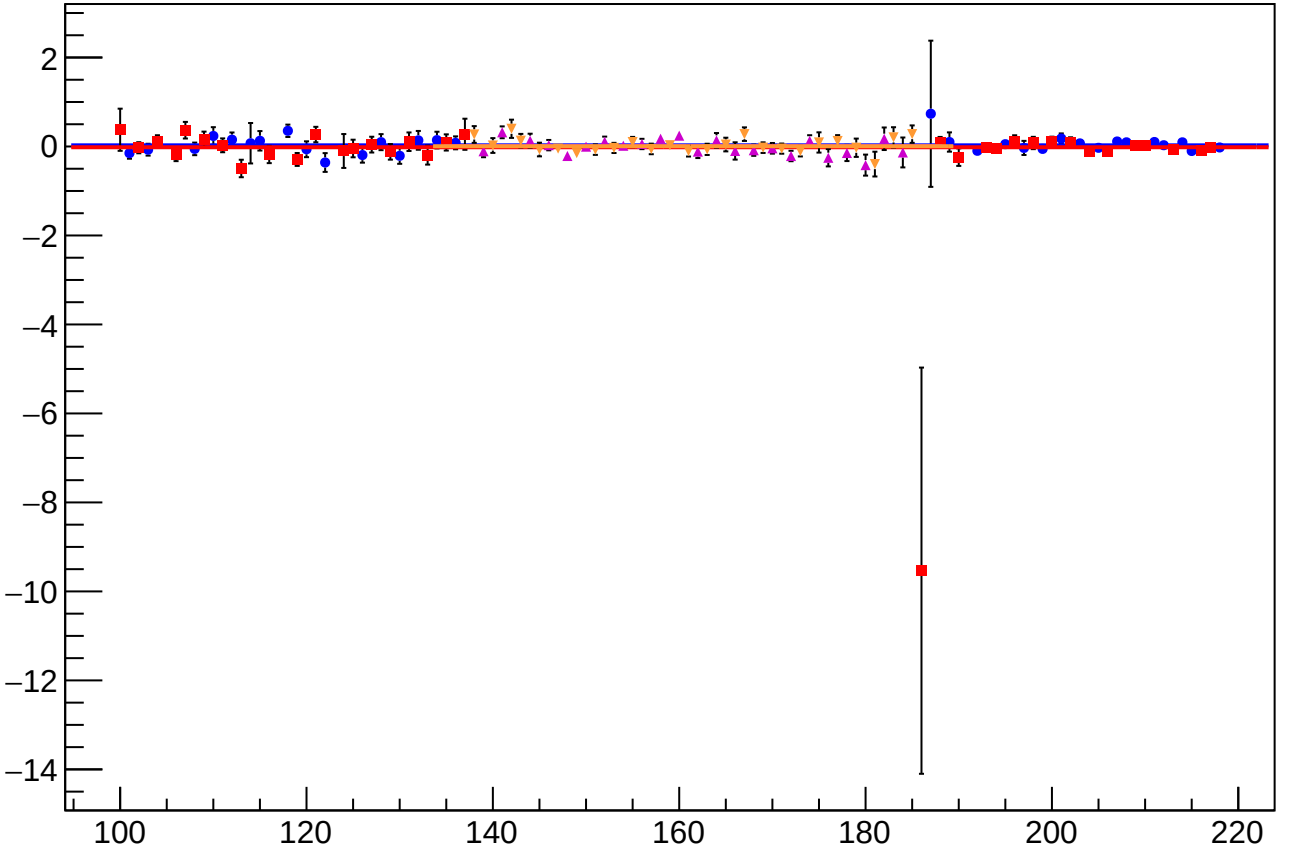
Right: 73.062+/-0.009 χ^2/NDF: 3421992.9/66

In: 76.611+/-0.009 χ^2/NDF:3593600.4/54

Out: 77.891+/-0.009 χ^2/NDF:4149141.3/59

All: 77.250+/-0.007 χ^2/NDF: 7752268.3/114

asym_usr_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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: -0.017+/-0.023 χ^2/NDF: 37.0/34

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

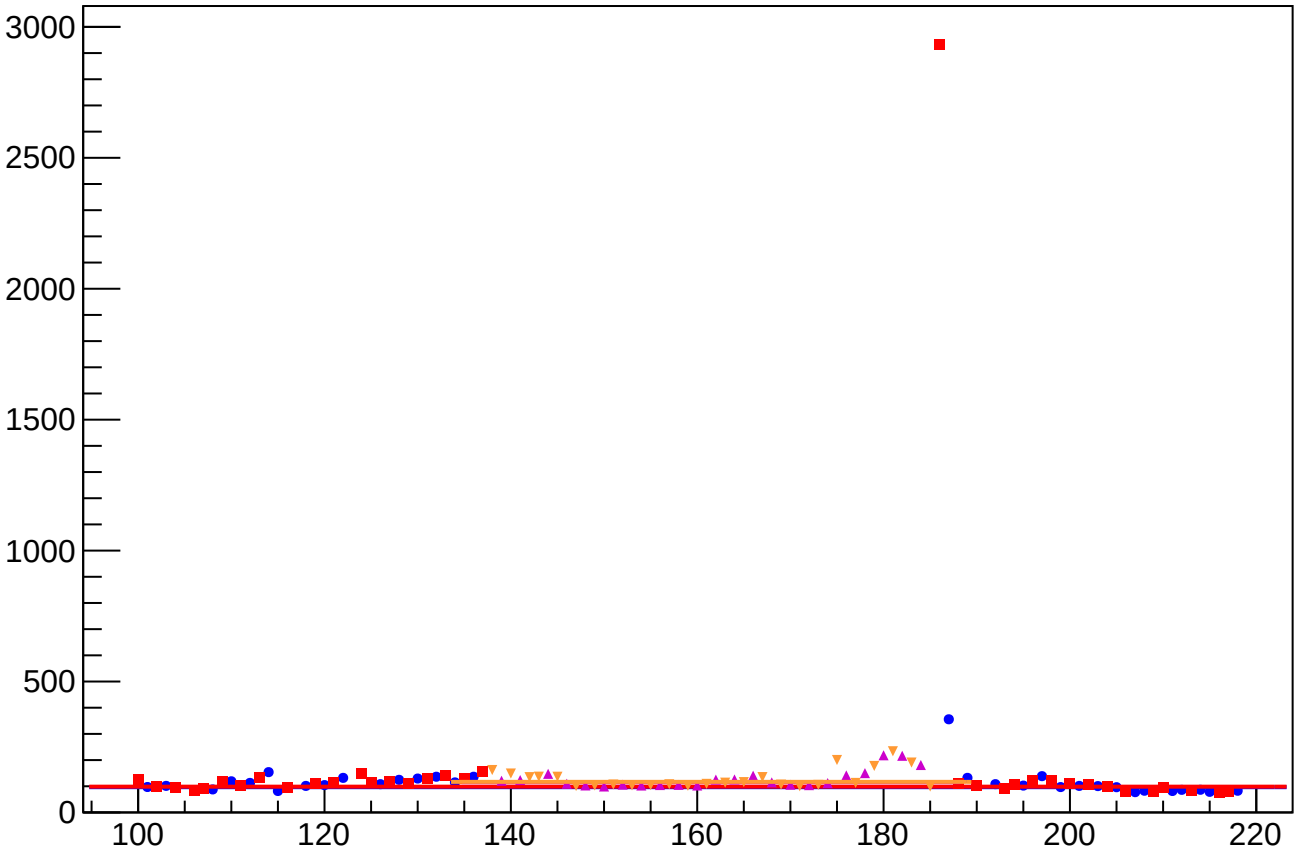
Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

Right: 0.005+/-0.016 χ^2/NDF: 67.1/66

In: 0.020+/-0.018 χ^2/NDF:59.8/54

Out: -0.008+/-0.018 χ^2/NDF:58.7/59

All: 0.006+/-0.012 χ^2/NDF: 119.8/114



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: 98.509+/-0.016 χ^2/NDF: 1852747.2/34

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

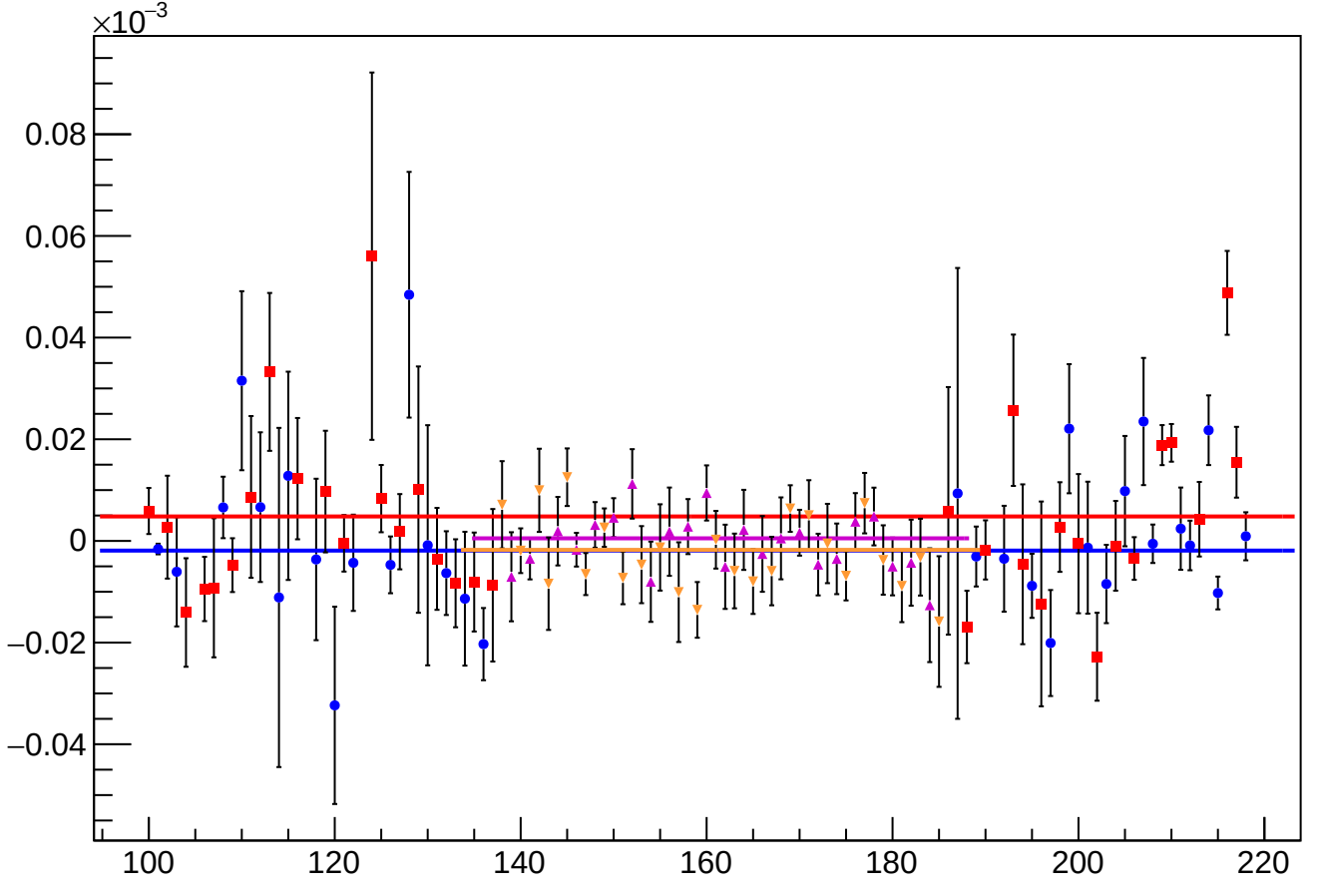
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 97.492+/-0.011 χ^2/NDF: 3047613.8/66

In: 103.991+/-0.012 χ^2/NDF:2997340.7/54

Out: 105.882+/-0.012 χ^2/NDF:3973953.5/59

All: 104.933+/-0.009 χ^2/NDF: 6982904.2/114



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: 112.7/34

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

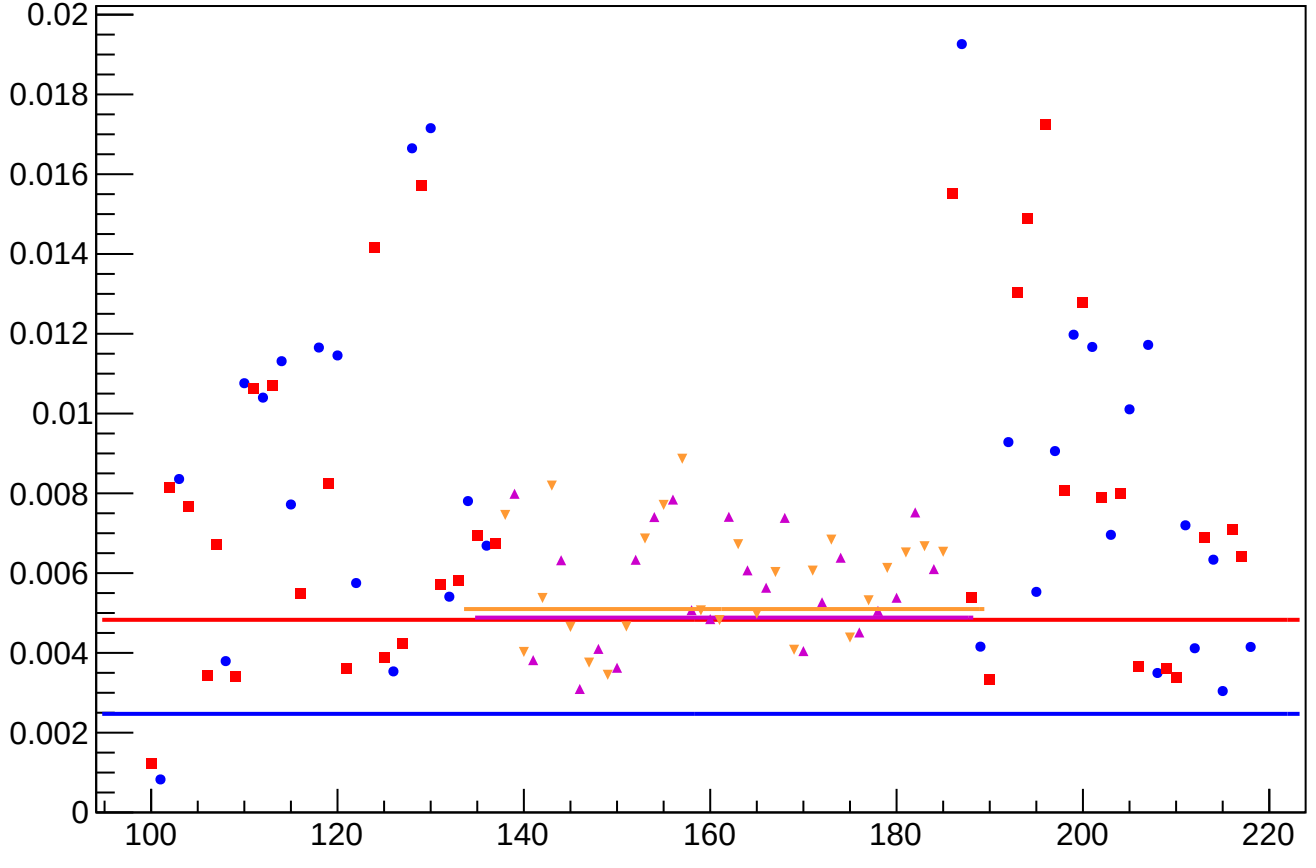
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: 0.000+/-0.000 χ^2/NDF: 187.2/66

In: -0.000+/-0.000 χ^2/NDF:73.1/54

Out: 0.000+/-0.000 χ^2/NDF:157.9/59

All: -0.000+/-0.000 χ^2/NDF: 236.1/114



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: 8719130.3/34

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

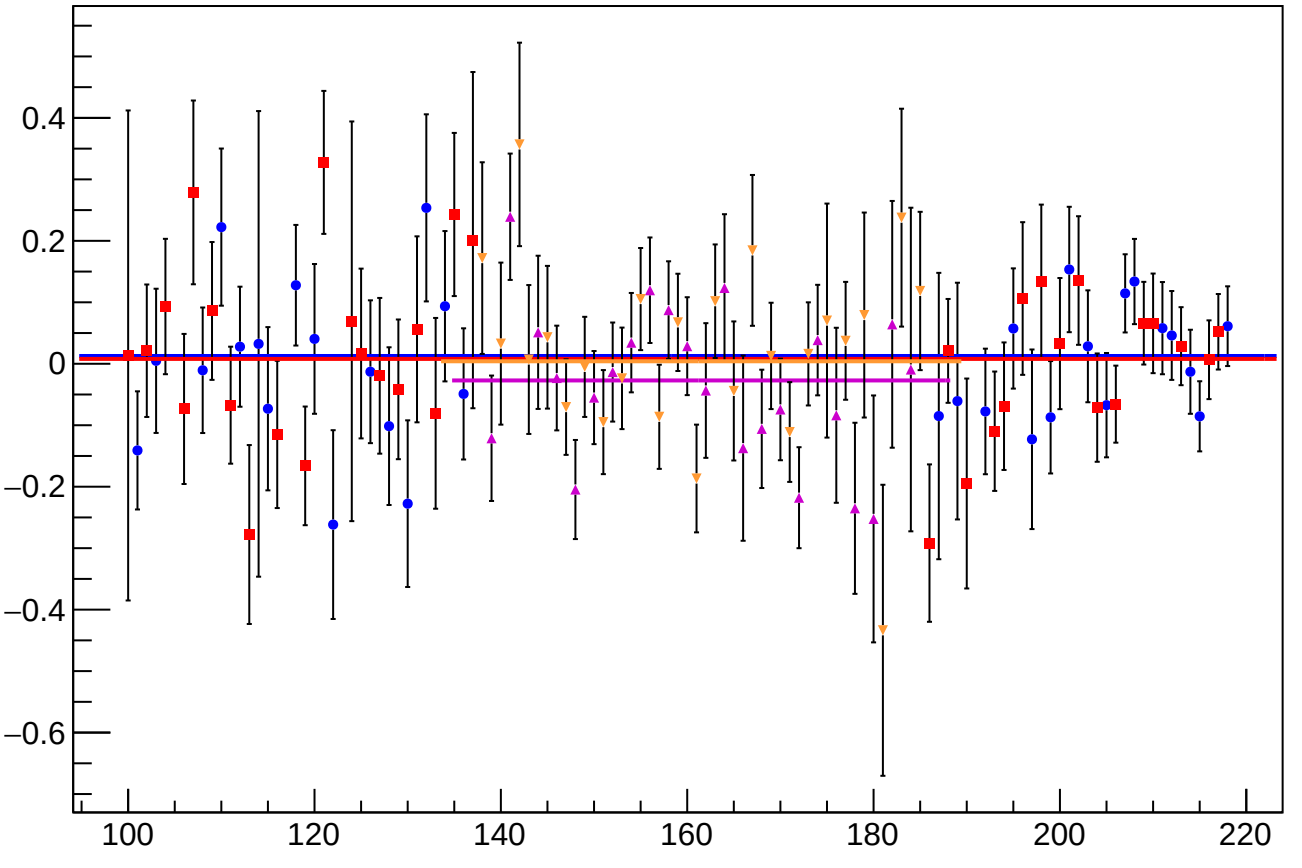
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 34147029.2/66

In: 0.003+/-0.000 χ^2/NDF:28804230.4/54

Out: 0.005+/-0.000 χ^2/NDF:11145174.5/59

All: 0.004+/-0.000 χ^2/NDF: 44749600.3/114



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: 0.008+/-0.017 χ^2/NDF: 41.7/34

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

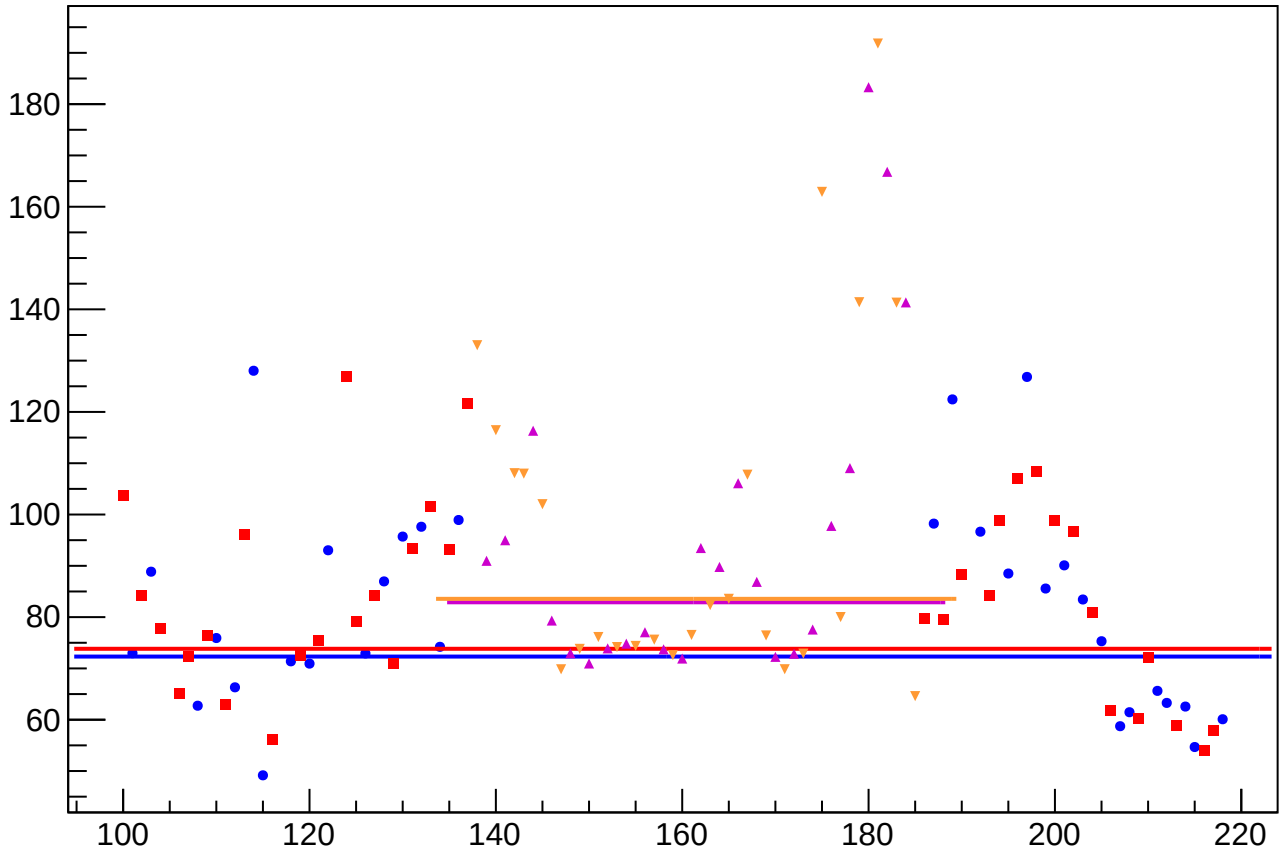
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.010+/-0.012 χ^2/NDF: 75.4/66

In: -0.004+/-0.013 χ^2/NDF:67.8/54

Out: 0.006+/-0.013 χ^2/NDF:69.9/59

All: 0.001+/-0.009 χ^2/NDF: 138.0/114



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: 73.828+/-0.012 χ^2/NDF: 1708094.5/34

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

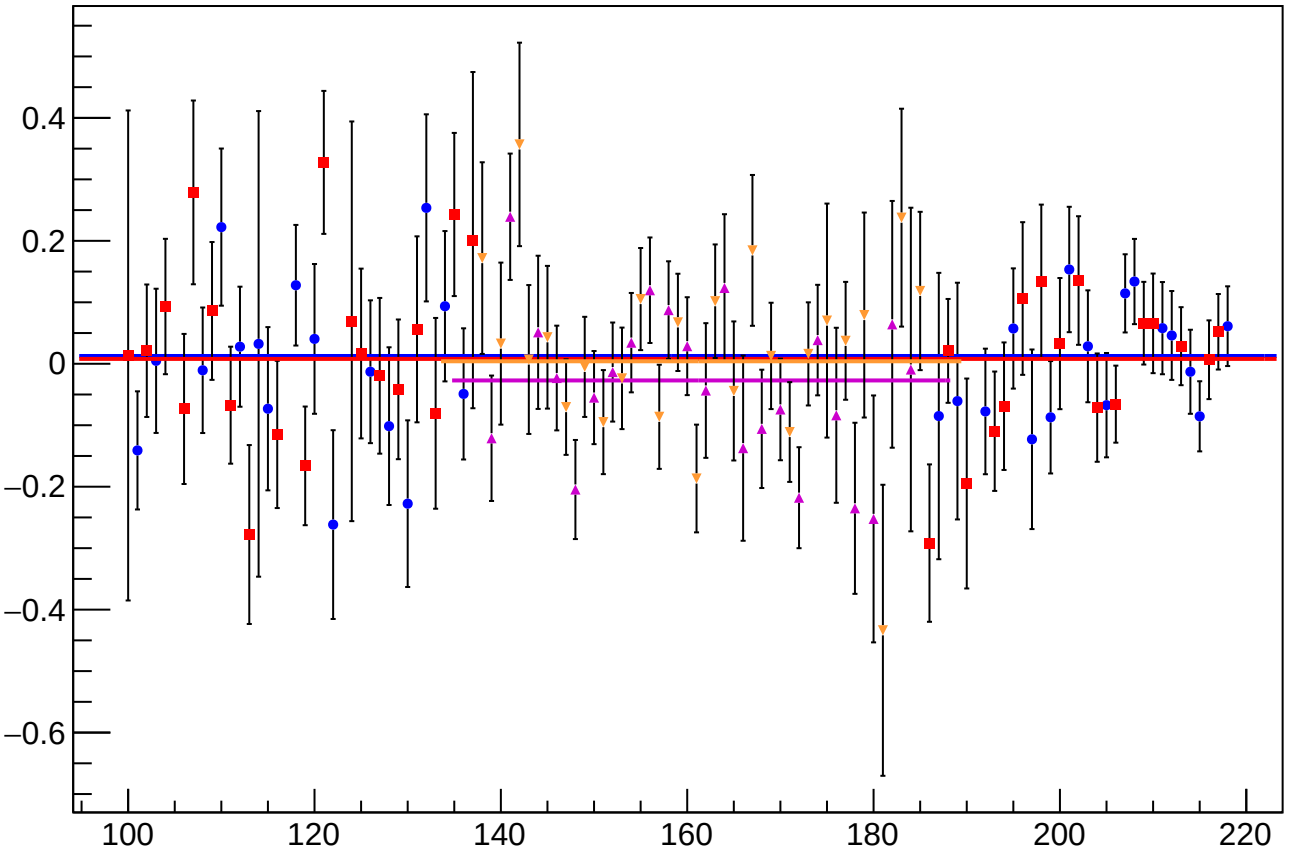
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 73.062+/-0.009 χ^2/NDF: 3421759.7/66

In: 76.612+/-0.009 χ^2/NDF:3593435.5/54

Out: 77.890+/-0.009 χ^2/NDF:4149103.6/59

All: 77.250+/-0.007 χ^2/NDF: 7752058.0/114



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: 0.008+/-0.017 χ^2/NDF: 41.7/34

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

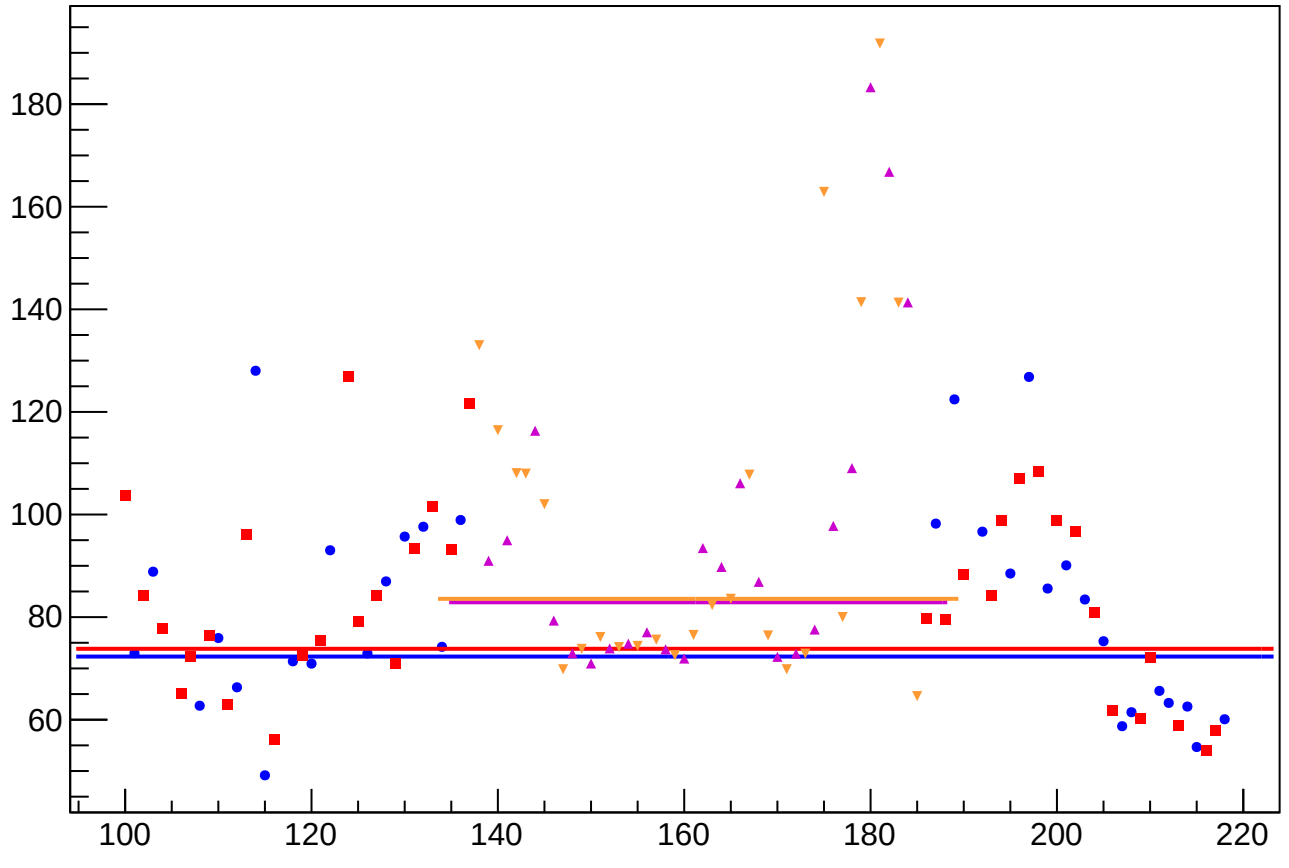
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.010+/-0.012 χ^2/NDF: 75.4/66

In: -0.004+/-0.013 χ^2/NDF:67.8/54

Out: 0.006+/-0.013 χ^2/NDF:69.9/59

All: 0.001+/-0.009 χ^2/NDF: 138.0/114



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: 73.828+/-0.012 χ^2/NDF: 1708094.5/34

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

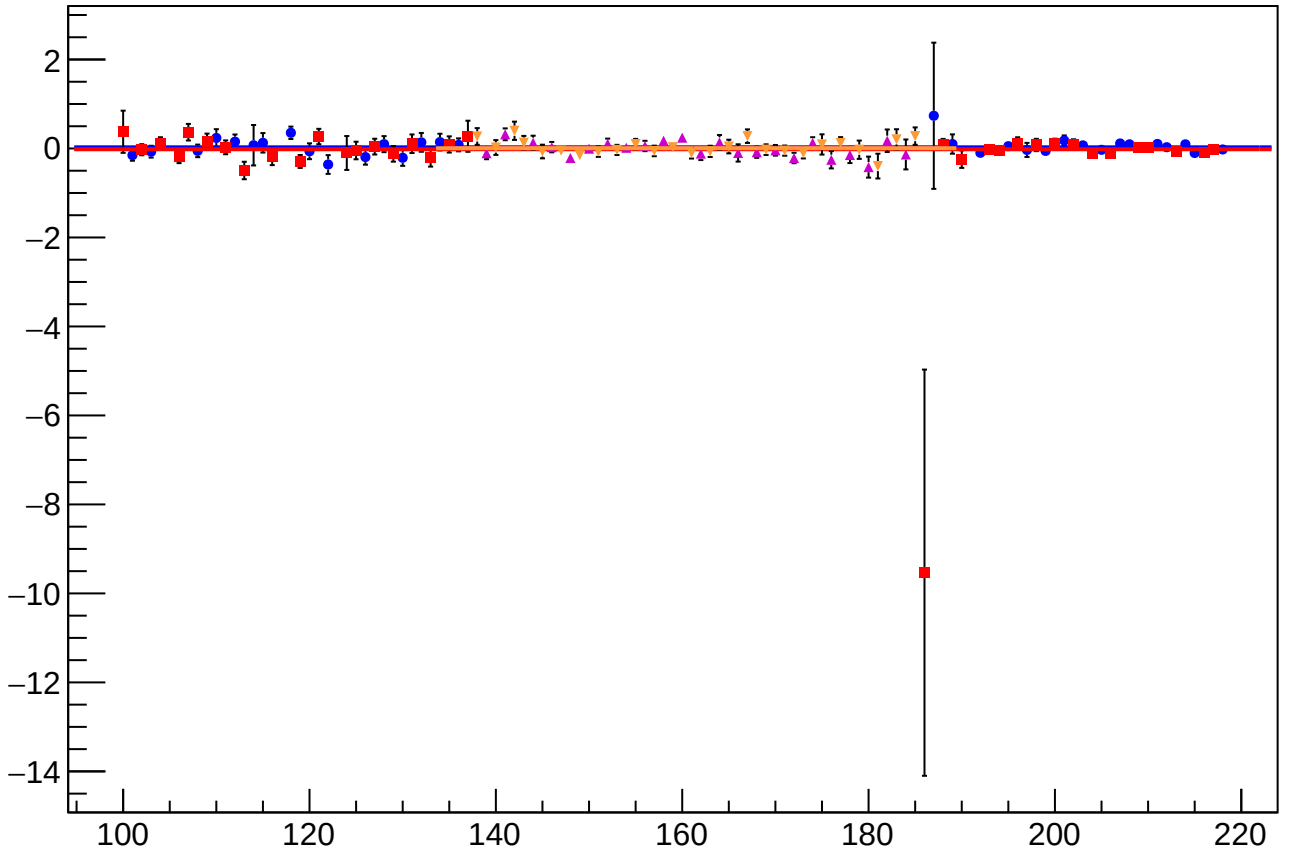
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 73.062+/-0.009 χ^2/NDF: 3421759.7/66

In: 76.612+/-0.009 χ^2/NDF:3593435.5/54

Out: 77.890+/-0.009 χ^2/NDF:4149103.6/59

All: 77.250+/-0.007 χ^2/NDF: 7752058.0/114



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: -0.017+/-0.023 χ^2/NDF: 37.0/34

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

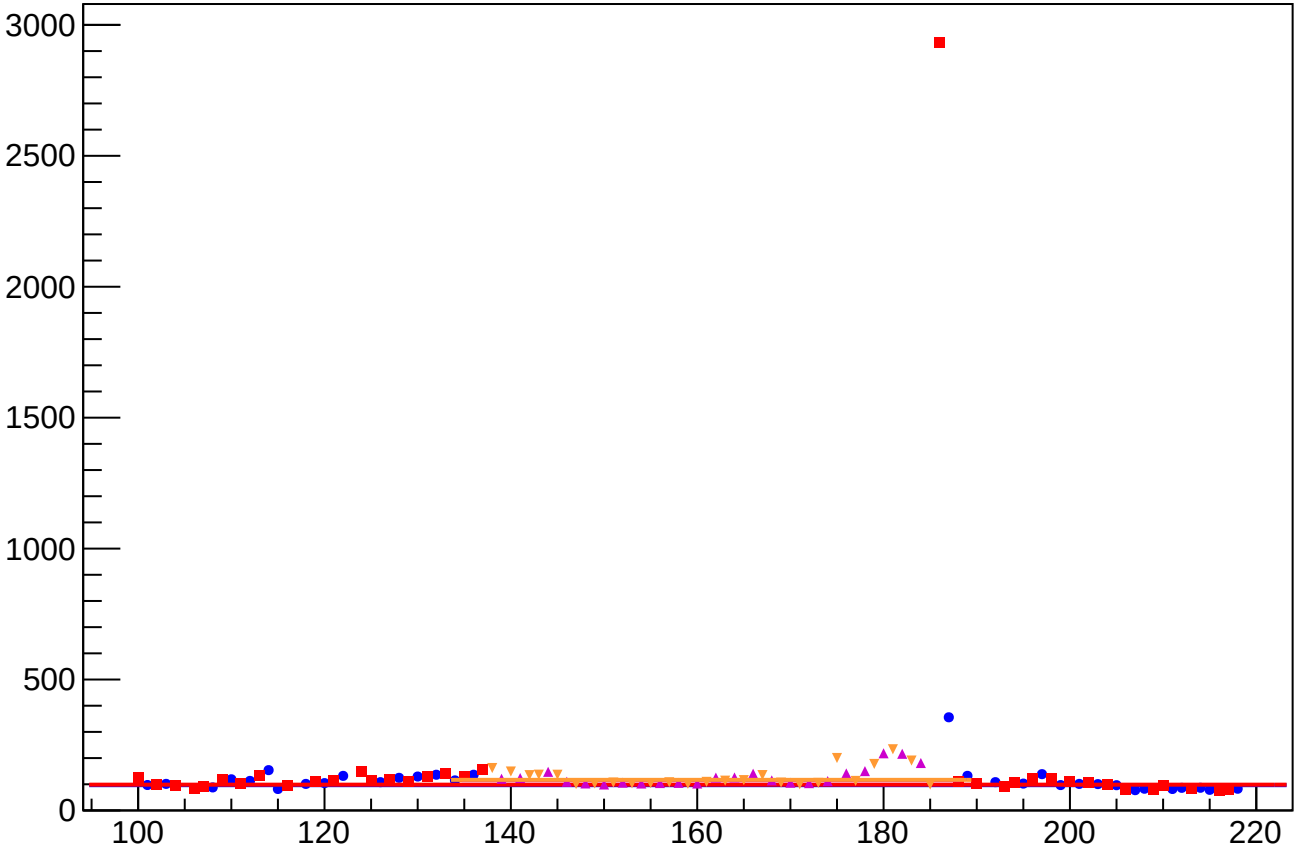
Right: 0.005+/-0.016 χ^2/NDF: 67.1/66

In: 0.020+/-0.018 χ^2/NDF:59.8/54

Out: -0.008+/-0.018 χ^2/NDF:58.7/59

All: 0.006+/-0.012 χ^2/NDF: 119.8/114

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: 98.508+/-0.016 χ^2/NDF: 1852676.4/34

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

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

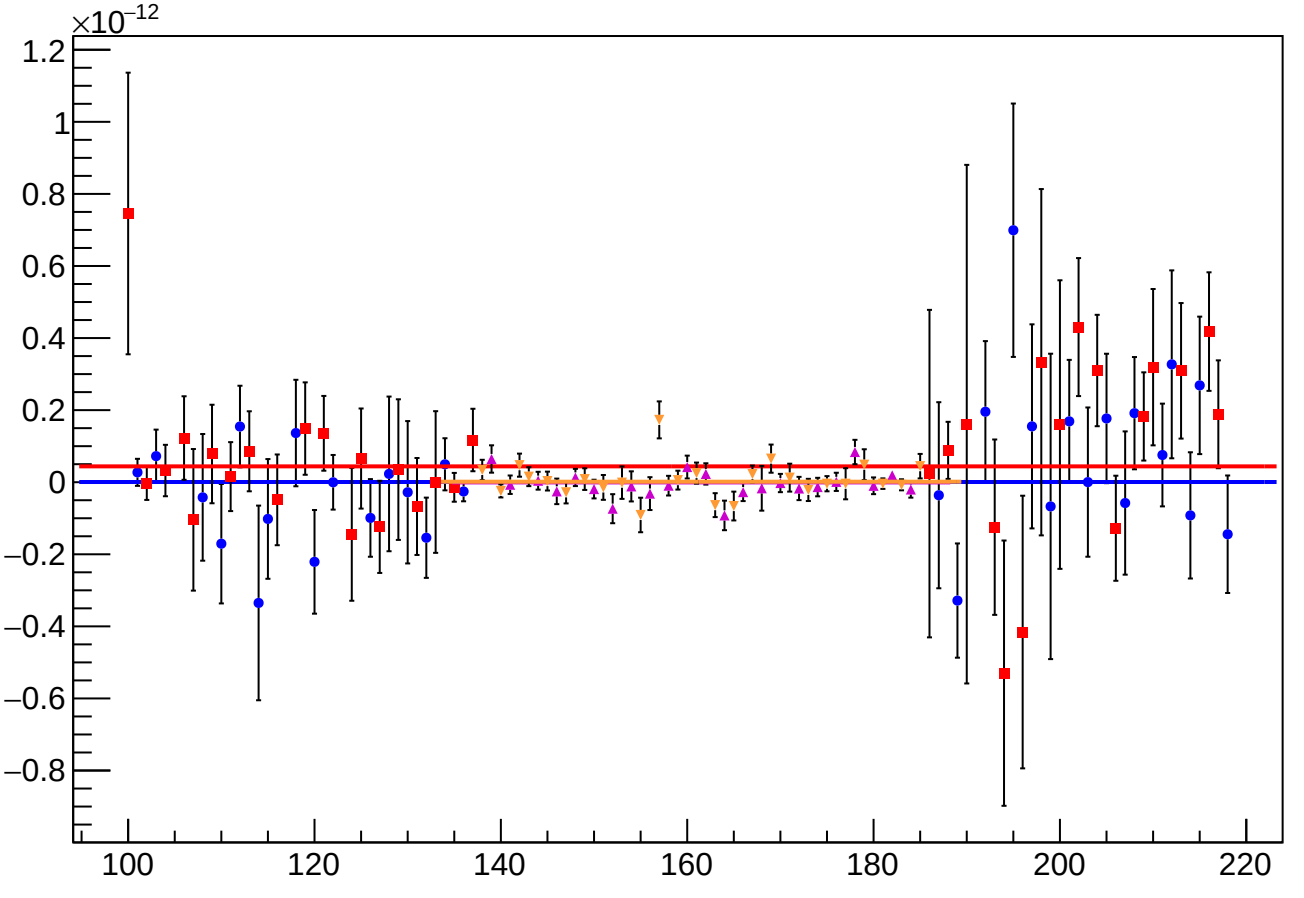
Right: 97.492+/-0.011 χ^2/NDF: 3047411.7/66

In: 103.992+/-0.012 χ^2/NDF:2997192.9/54

Out: 105.882+/-0.012 χ^2/NDF:3973912.1/59

All: 104.933+/-0.009 χ^2/NDF: 6982710.1/114

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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: 38.5/34

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

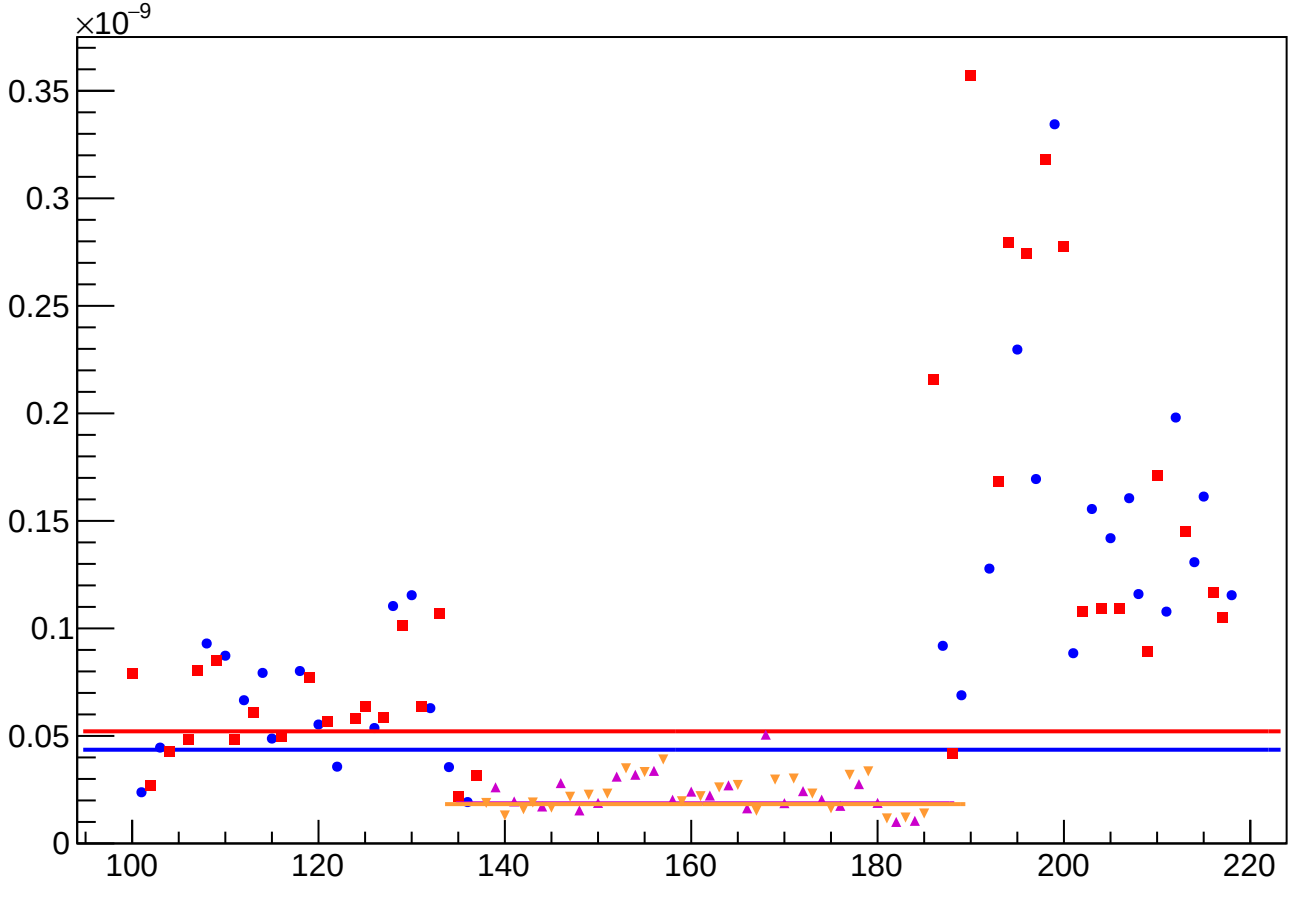
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 73.3/66

In: -0.000+/-0.000 χ^2/NDF:58.5/54

Out: 0.000+/-0.000 χ^2/NDF:79.8/59

All: 0.000+/-0.000 χ^2/NDF: 138.8/114



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: 8888311.4/34

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

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

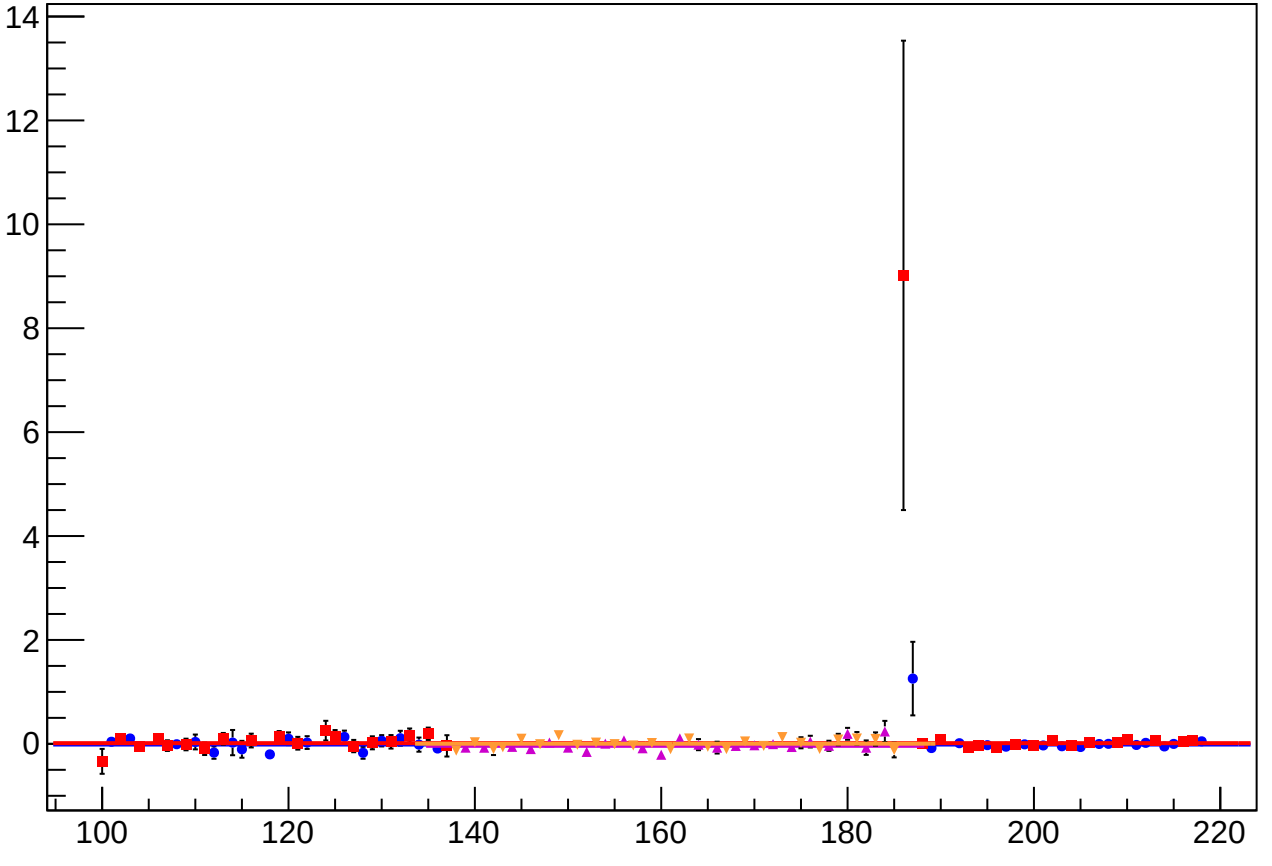
Right: 0.000+/-0.000 χ^2/NDF: 19997603.6/66

In: 0.000+/-0.000 χ^2/NDF:17732983.3/54

Out: 0.000+/-0.000 χ^2/NDF:17775186.3/59

All: 0.000+/-0.000 χ^2/NDF: 35513195.8/114

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: 0.013+/-0.011 χ^2/NDF: 41.0/34

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

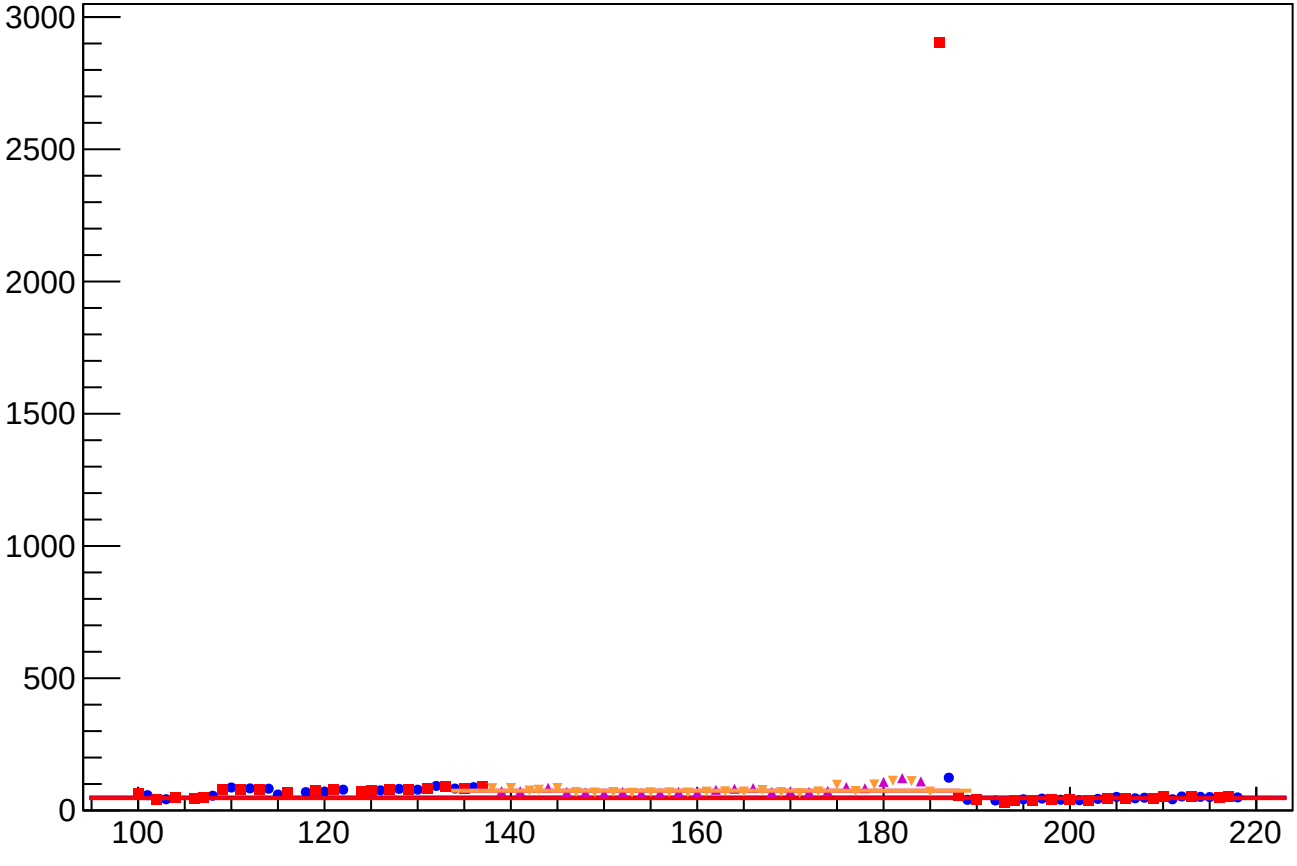
Right: 0.001+/-0.008 χ^2/NDF: 70.0/66

In: -0.021+/-0.010 χ^2/NDF:49.2/54

Out: 0.010+/-0.009 χ^2/NDF:62.8/59

All: -0.005+/-0.007 χ^2/NDF: 117.3/114

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: 46.496+/-0.008 χ^2/NDF: 3693033.3/34

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

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

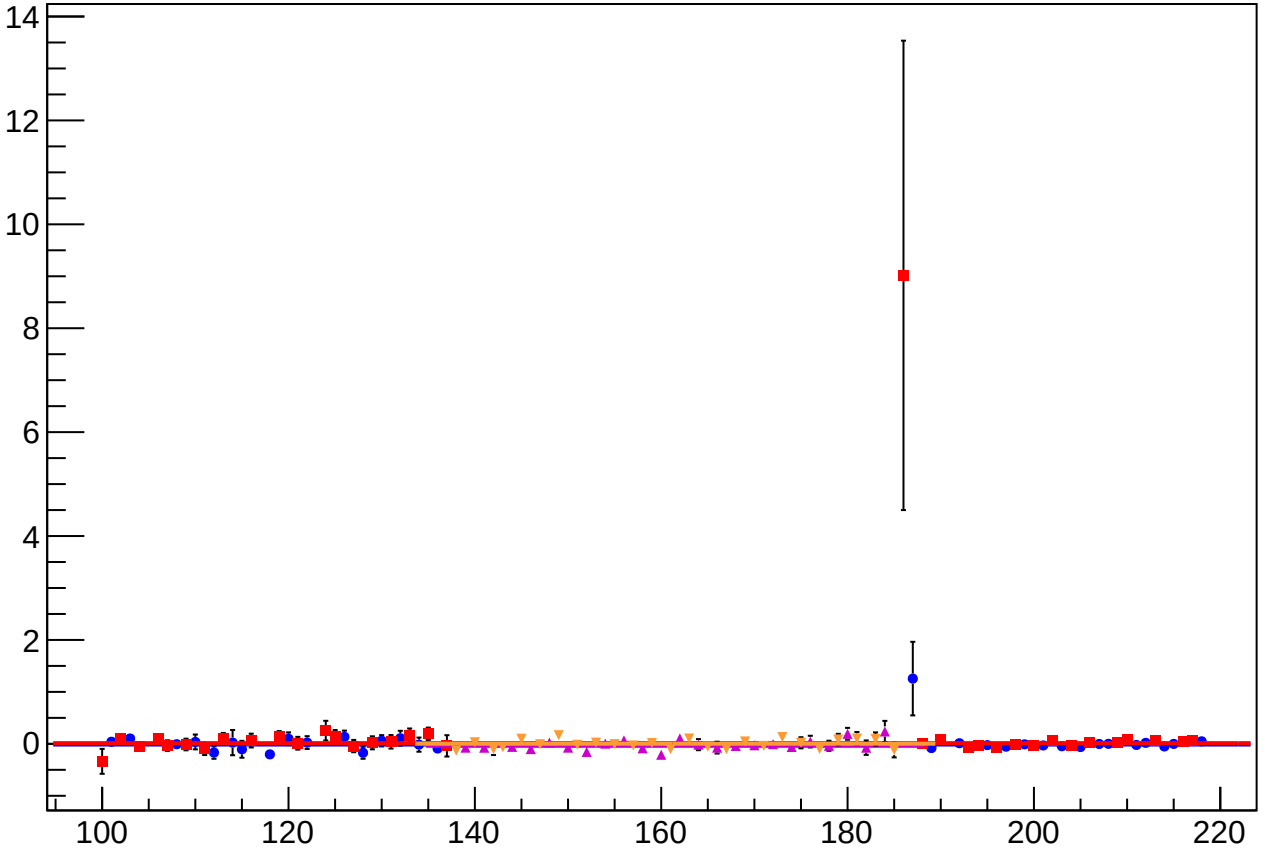
Right: 47.682+/-0.006 χ^2/NDF: 6039178.3/66

In: 56.522+/-0.007 χ^2/NDF:5915067.0/54

Out: 54.716+/-0.007 χ^2/NDF:8165133.0/59

All: 55.590+/-0.005 χ^2/NDF: 14115907.6/114

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: 0.013+/-0.011 χ^2/NDF: 41.0/34

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

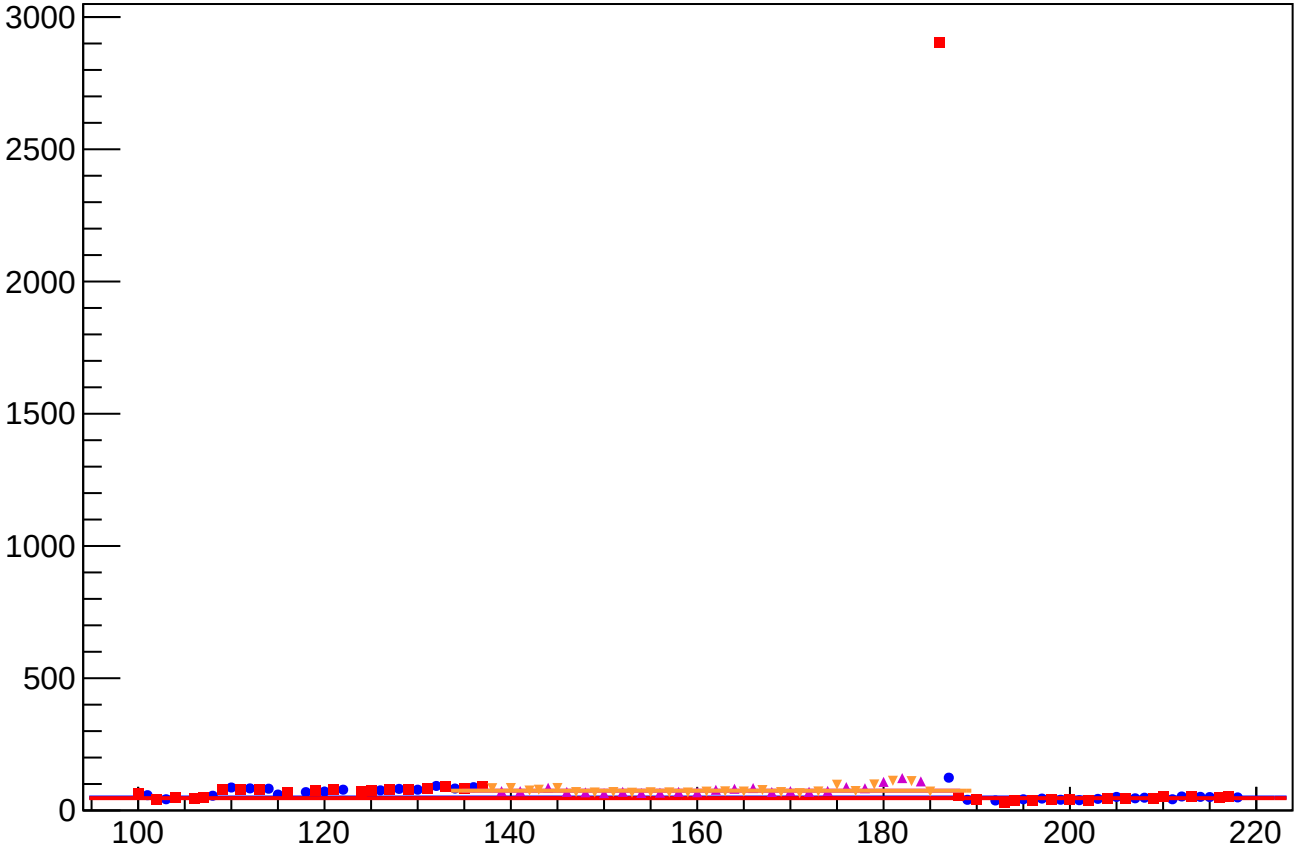
Right: 0.001+/-0.008 χ^2/NDF: 70.0/66

In: -0.021+/-0.010 χ^2/NDF:49.2/54

Out: 0.010+/-0.009 χ^2/NDF:62.8/59

All: -0.005+/-0.007 χ^2/NDF: 117.3/114

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: 46.496+/-0.008 χ^2/NDF: 3693033.3/34

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

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

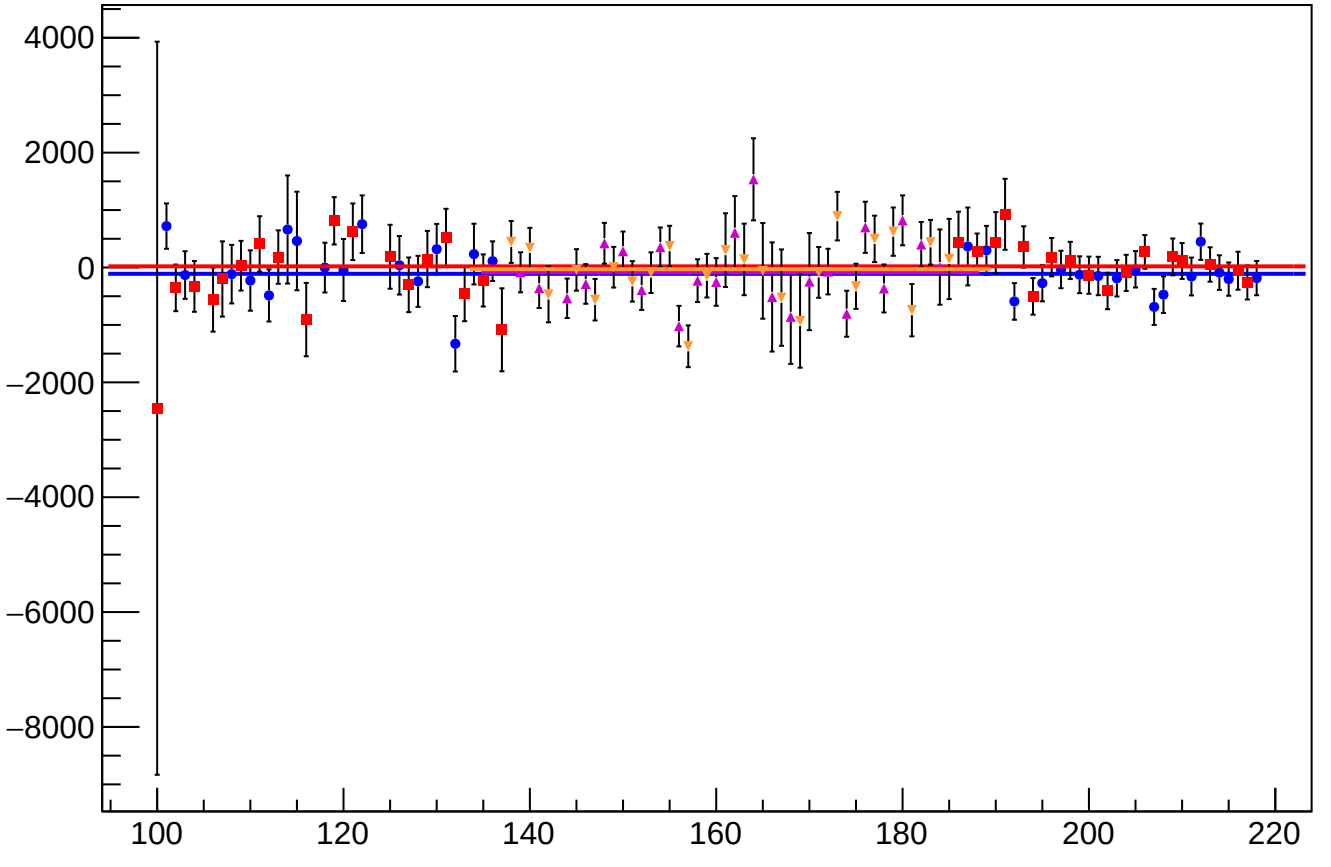
Right: 47.682+/-0.006 χ^2/NDF: 6039178.3/66

In: 56.522+/-0.007 χ^2/NDF:5915067.0/54

Out: 54.716+/-0.007 χ^2/NDF:8165133.0/59

All: 55.590+/-0.005 χ^2/NDF: 14115907.6/114

asym_dsl_mean vs Slug, Sign Corrected



Right In: -110.039+/-67.582 χ^2/NDF: 29.8/31

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 19.651+/-67.561 χ^2/NDF: 28.3/34

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

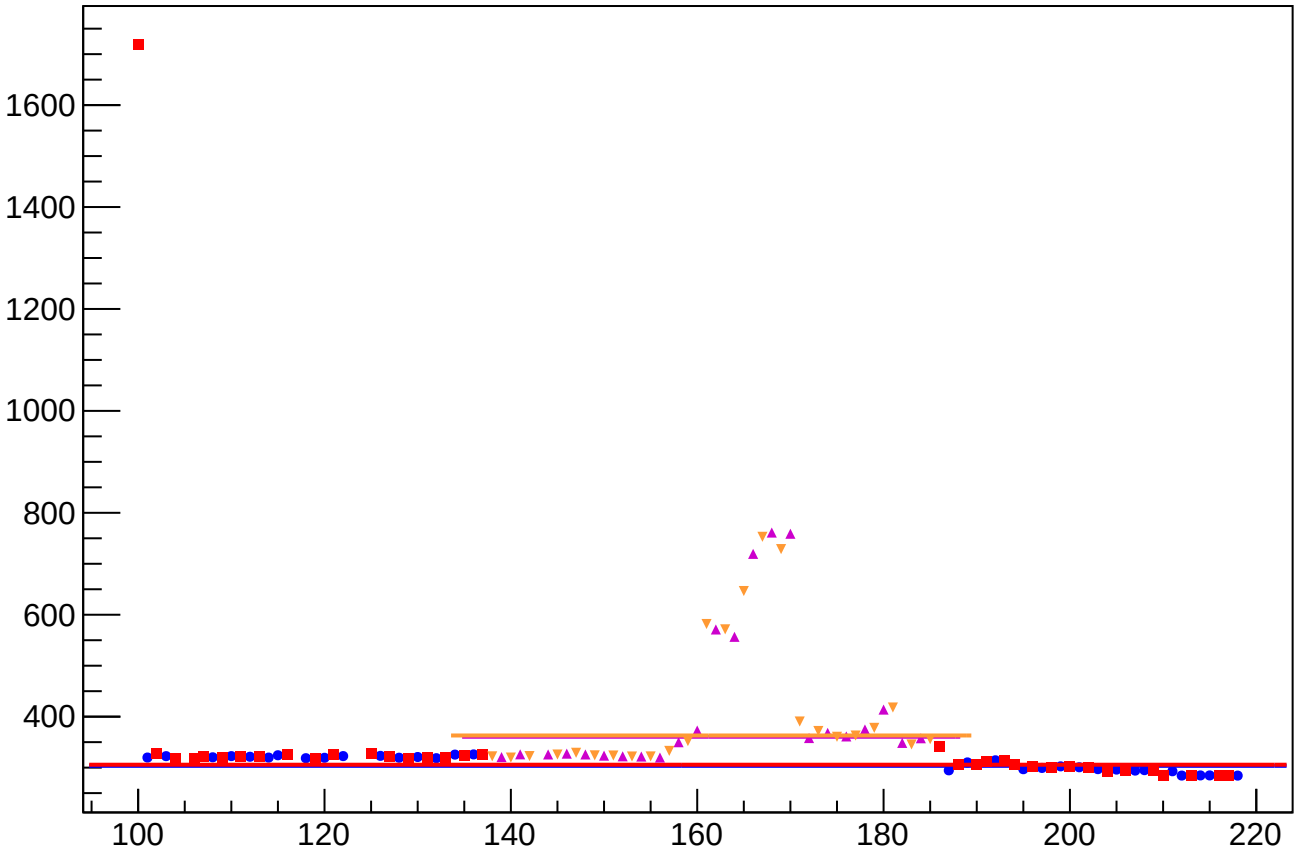
Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

Right: -45.174+/-47.780 χ^2/NDF: 59.9/66

In: -100.059+/-53.249 χ^2/NDF:65.7/54

Out: 1.094+/-53.252 χ^2/NDF:65.1/58

All: -49.485+/-37.654 χ^2/NDF: 132.5/113



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: 305.707+/-0.048 χ^2/NDF: 194302.7/34

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

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

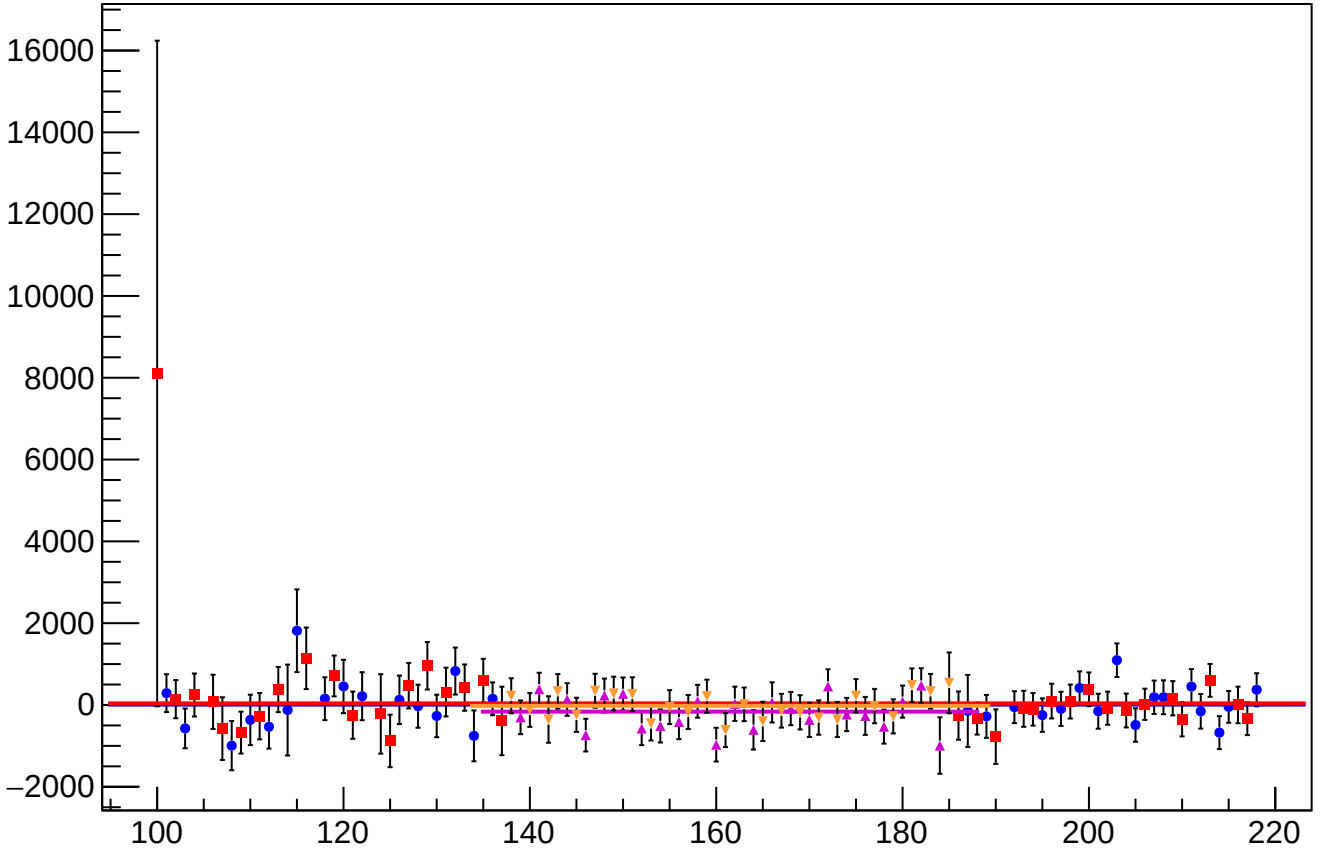
Right: 304.618+/-0.034 χ^2/NDF: 285454.6/66

In: 325.162+/-0.038 χ^2/NDF:2448358.6/54

Out: 327.436+/-0.038 χ^2/NDF:2536097.4/58

All: 326.299+/-0.027 χ^2/NDF: 4986279.2/113

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: 38.814+/-84.548 χ^2/NDF: 23.6/34

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

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

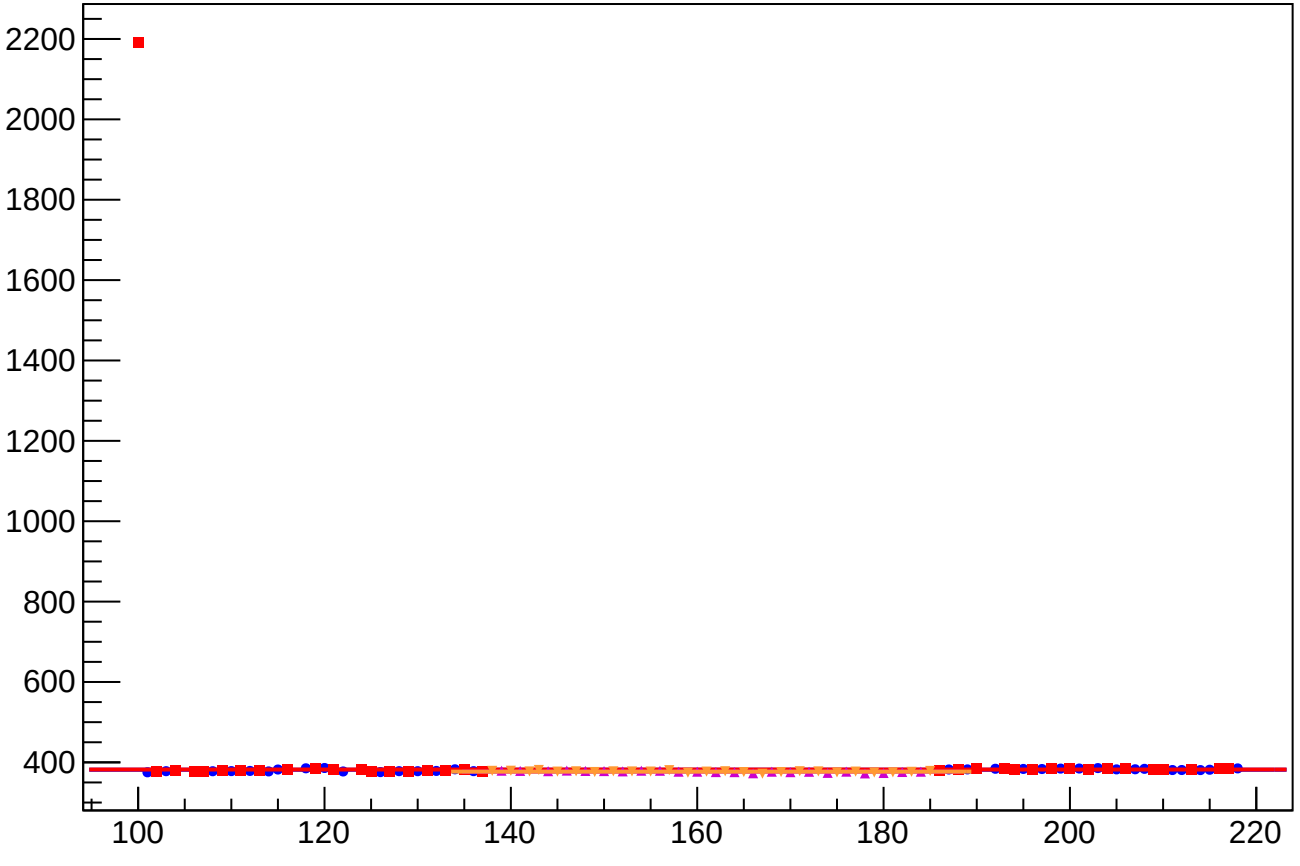
Right: 24.169+/-59.894 χ^2/NDF: 53.2/66

In: -73.664+/-61.082 χ^2/NDF:53.3/54

Out: 9.254+/-60.160 χ^2/NDF:36.4/59

All: -31.575+/-42.862 χ^2/NDF: 90.7/114

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: 382.137+/-0.060 χ^2/NDF: 100800.7/34

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

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

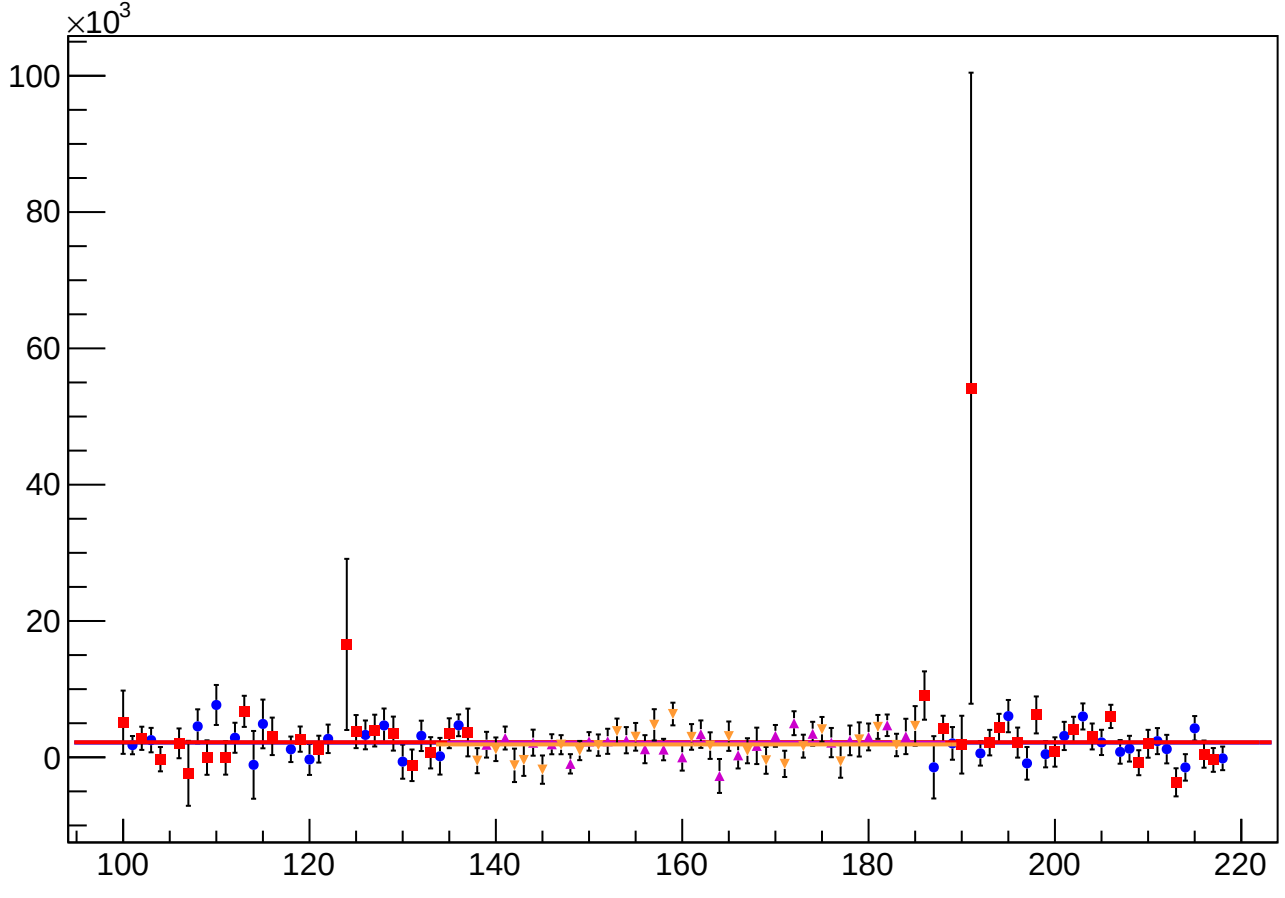
Right: 381.867+/-0.042 χ^2/NDF: 103241.3/66

In: 379.306+/-0.043 χ^2/NDF:6491.1/54

Out: 379.554+/-0.043 χ^2/NDF:105638.8/59

All: 379.432+/-0.030 χ^2/NDF: 112146.7/114

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: 2208.092+/-375.919 χ^2/NDF: 44.7/35

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

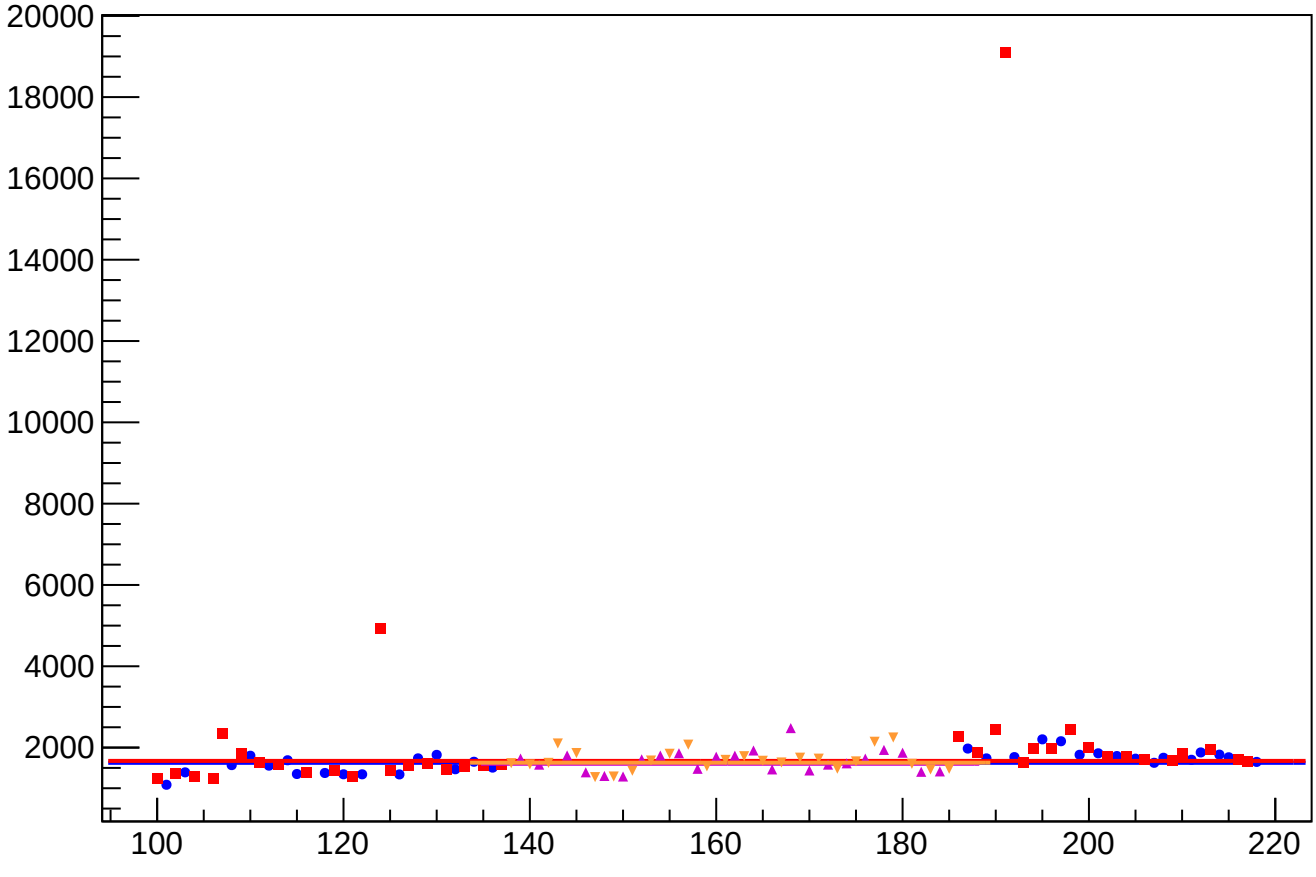
Right: 2182.622+/-262.576 χ^2/NDF: 76.2/67

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

Out: 2049.381+/-265.592 χ^2/NDF:73.4/60

All: 2091.372+/-187.107 χ^2/NDF: 123.5/115

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: 1672.470+/-0.266 χ^2/NDF: 1421233.4/35

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

Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

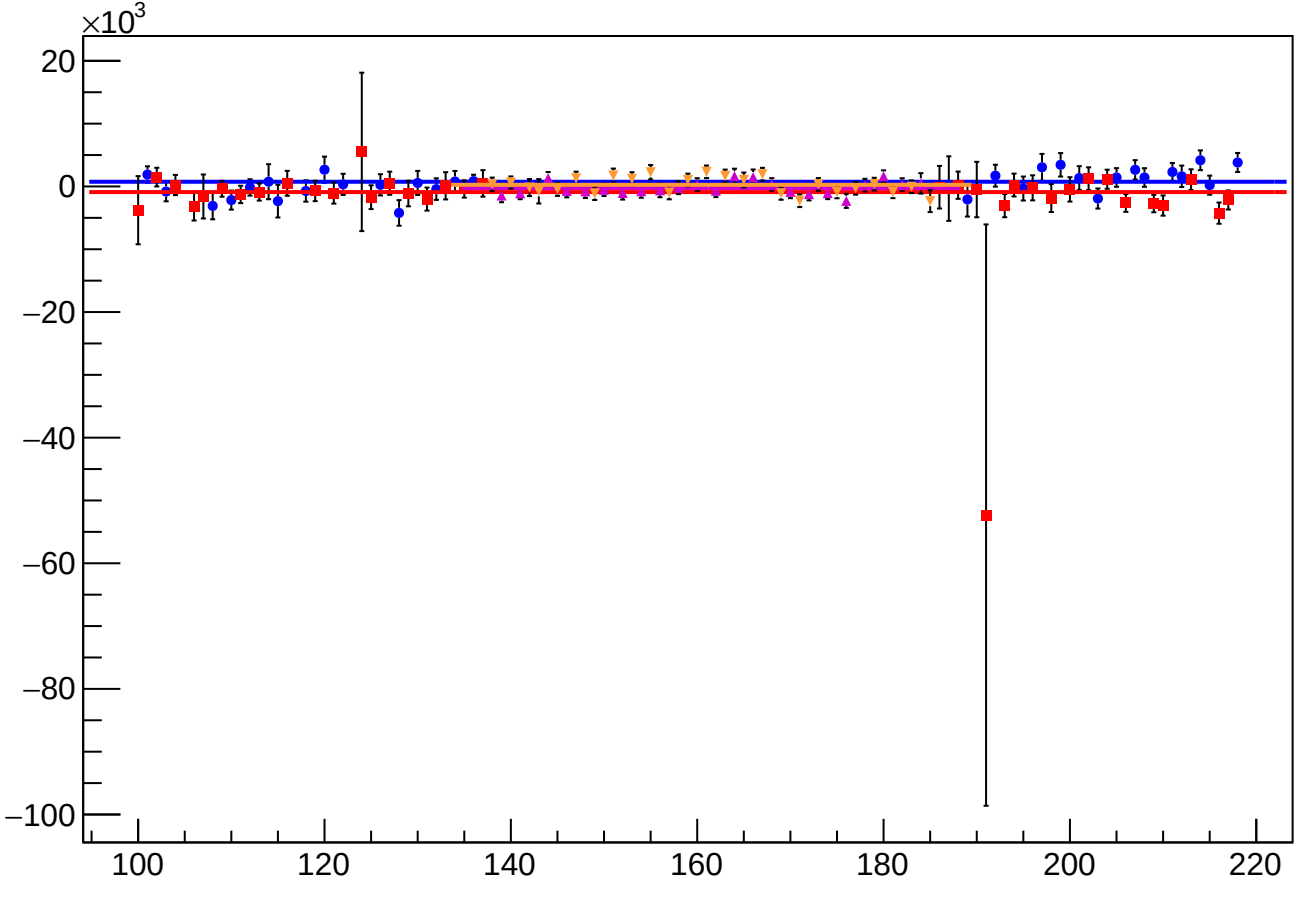
Right: 1648.233+/-0.186 χ^2/NDF: 2383353.2/67

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

Out: 1650.437+/-0.188 χ^2/NDF:2214045.2/60

All: 1631.935+/-0.132 χ^2/NDF: 3976942.7/11

asym_us_agg_dd_mean vs Slug, Sign Corrected



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: -895.604+/-303.463 χ^2/NDF: 25.3/35

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

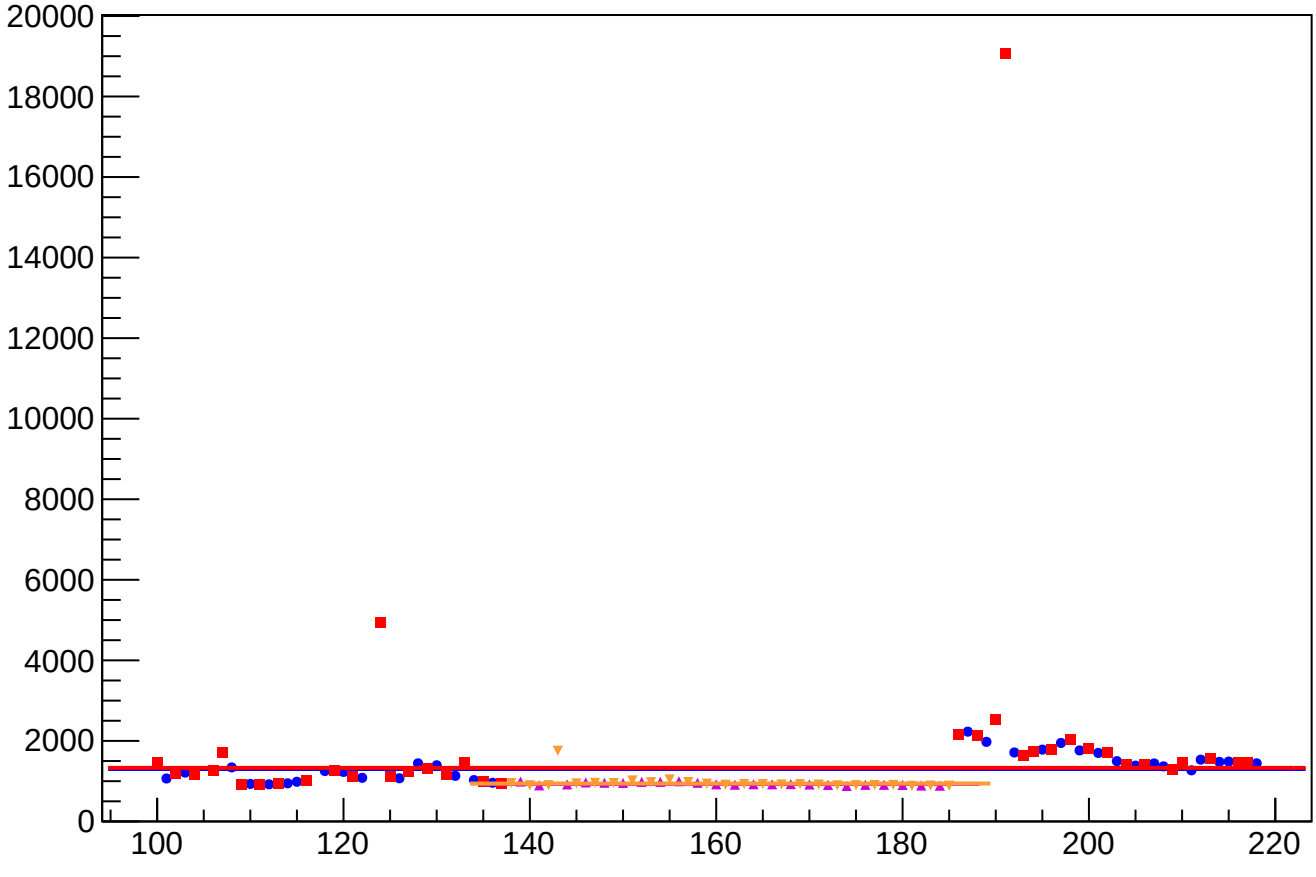
Right: -56.431+/-212.212 χ^2/NDF: 79.2/67

In: 87.413+/-175.548 χ^2/NDF:67.9/54

Out: -124.527+/-175.412 χ^2/NDF:68.9/60

All: -18.639+/-124.083 χ^2/NDF: 137.5/115

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: 1329.920+/-0.215 χ^2/NDF: 2724448.4/35

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

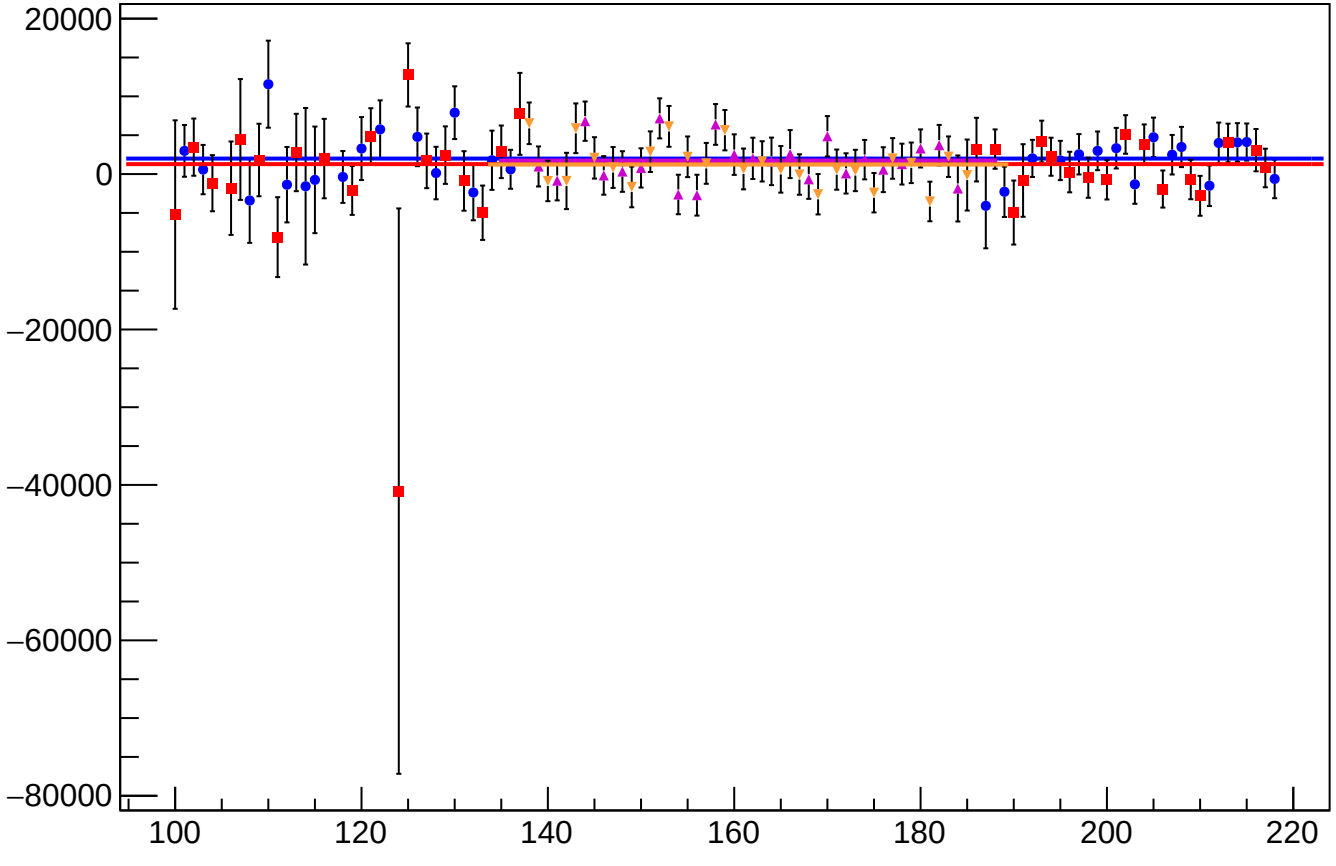
Right: 1315.868+/-0.150 χ^2/NDF: 4527995.6/67

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

Out: 1070.956+/-0.124 χ^2/NDF:5329428.9/60

All: 1066.102+/-0.088 χ^2/NDF: 9206342.5/11

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: 1278.524+/-544.508 χ^2/NDF: 37.7/35

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

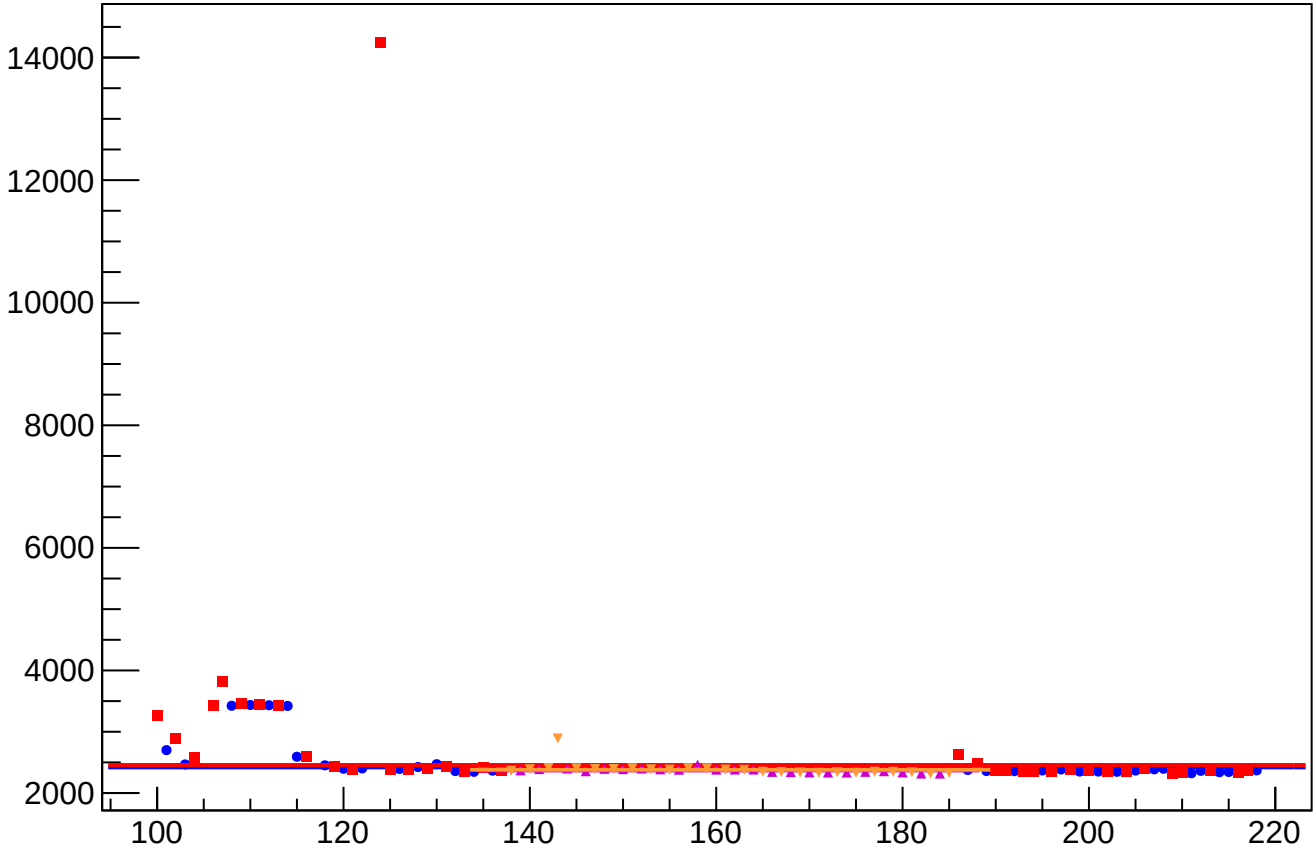
Right: 1638.507+/-383.413 χ^2/NDF: 62.5/67

In: 1870.173+/-386.430 χ^2/NDF:48.5/54

Out: 1256.496+/-383.882 χ^2/NDF:61.6/60

All: 1561.305+/-272.342 χ^2/NDF: 111.3/115

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: 2457.053+/-0.385 χ^2/NDF: 656683.2/35

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

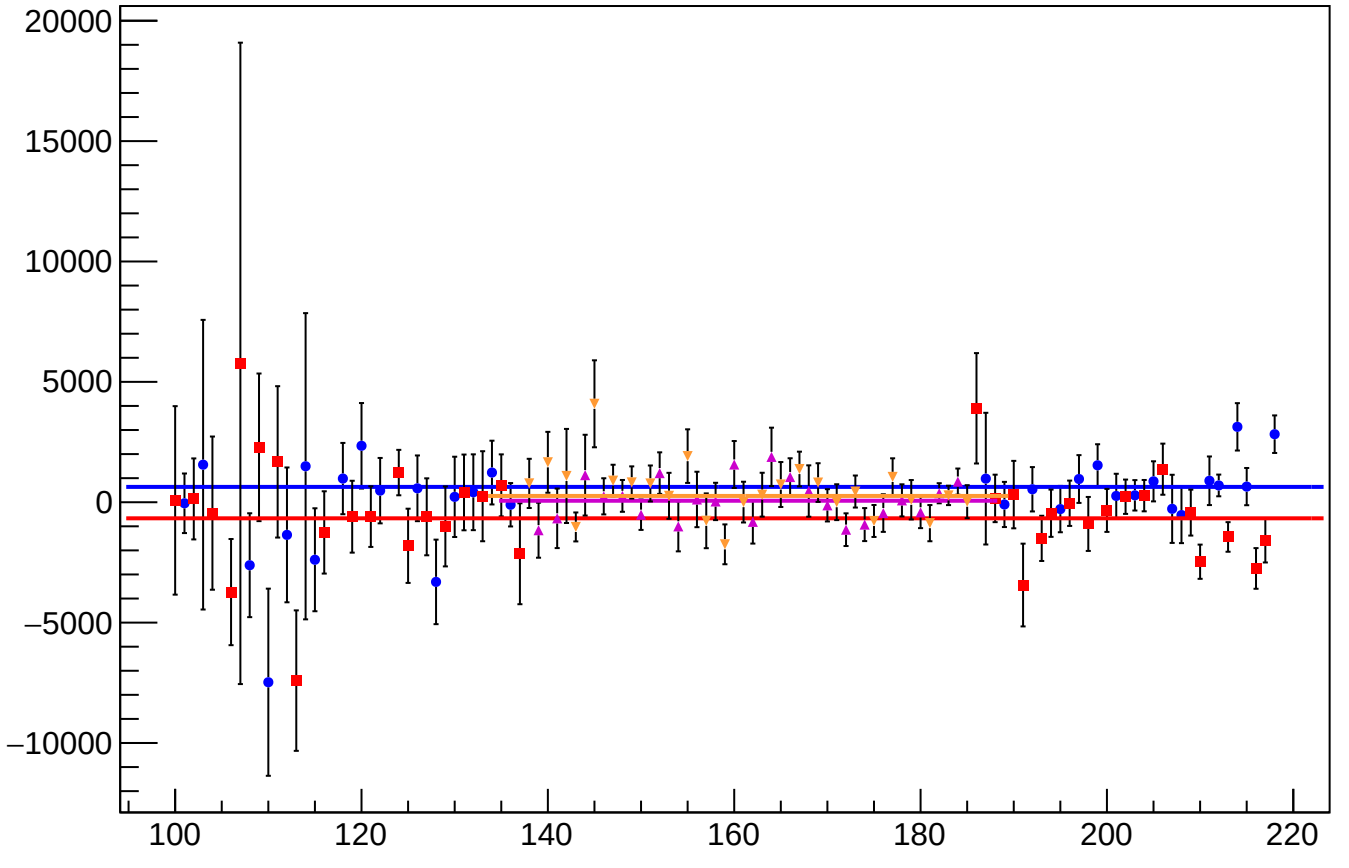
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2438.172+/-0.271 χ^2/NDF: 939264.8/67

In: 2395.104+/-0.273 χ^2/NDF:293285.4/54

Out: 2418.920+/-0.271 χ^2/NDF:733809.4/60

All: 2407.091+/-0.193 χ^2/NDF: 1030918.2/11



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: -667.782+/-191.440 χ^2/NDF: 48.2/35

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

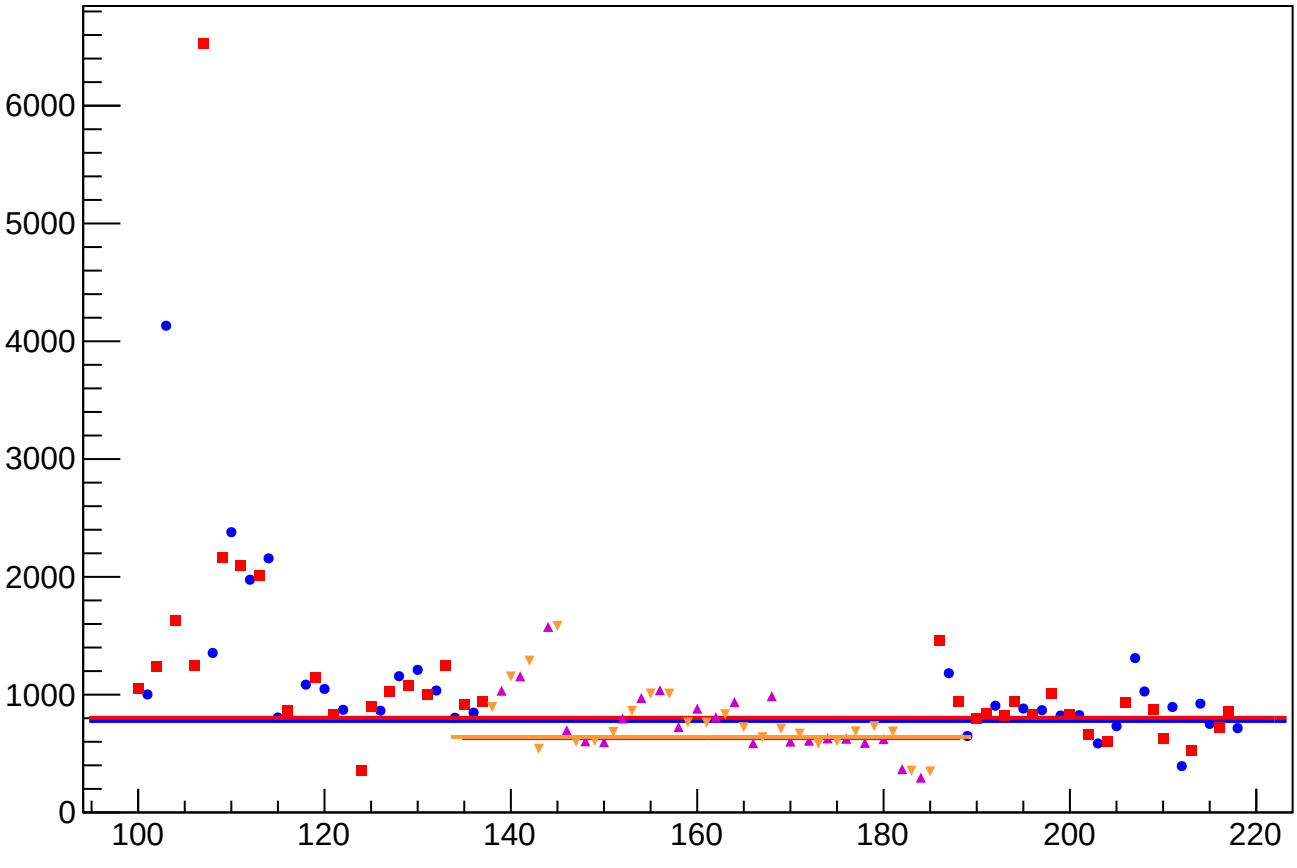
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: -0.763+/-133.843 χ^2/NDF: 107.5/67

In: 300.120+/-120.470 χ^2/NDF:63.1/54

Out: -103.389+/-119.998 χ^2/NDF:93.6/60

All: 97.574+/-85.018 χ^2/NDF: 162.3/115



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: 803.234+/-0.135 χ^2/NDF: 3809885.4/35

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

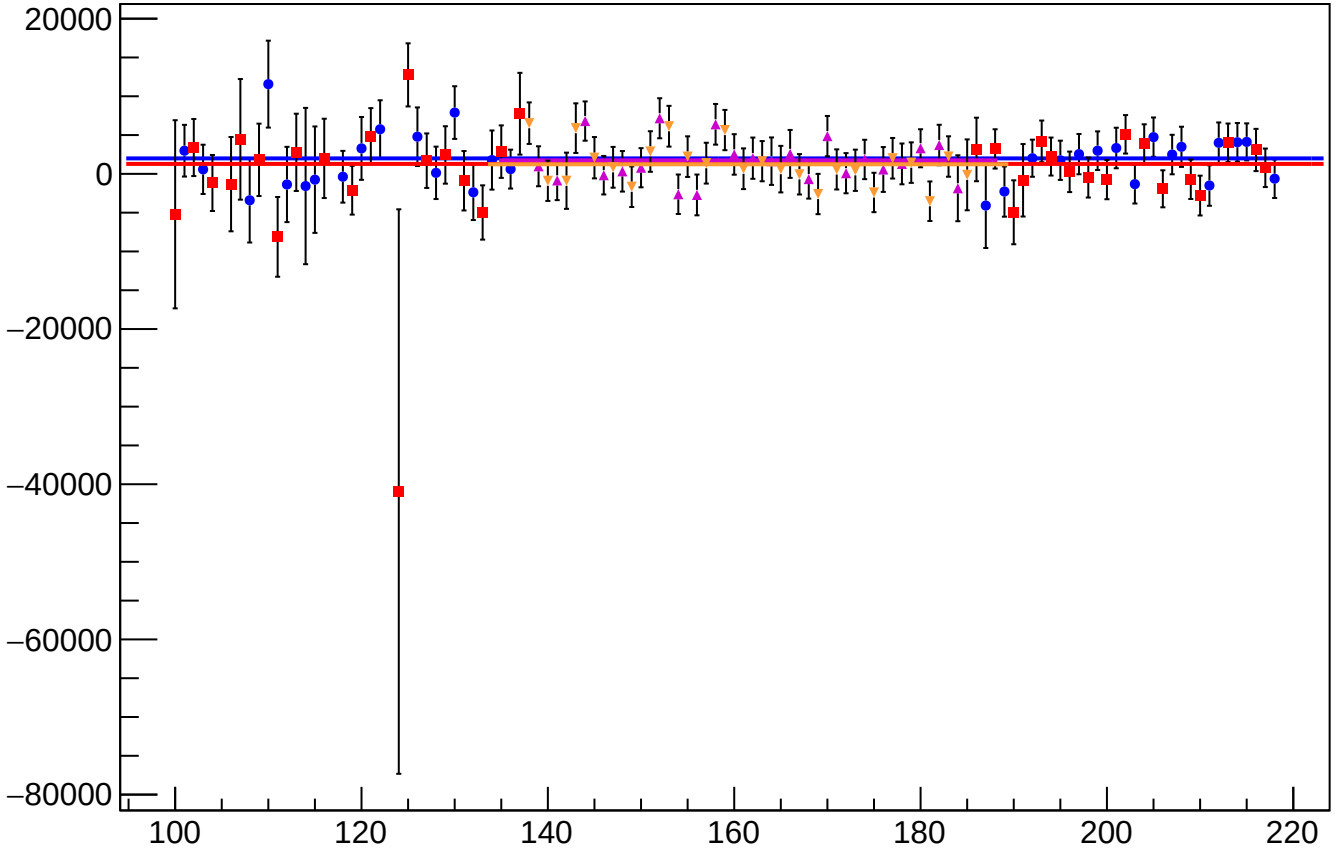
Right: 789.886+/-0.095 χ^2/NDF: 8178682.9/67

In: 691.634+/-0.085 χ^2/NDF:9037211.4/54

Out: 704.837+/-0.085 χ^2/NDF:8155050.3/60

All: 698.262+/-0.060 χ^2/NDF: 17204320.5/11

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: 1281.450+/-544.559 χ^2/NDF: 37.6/35

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

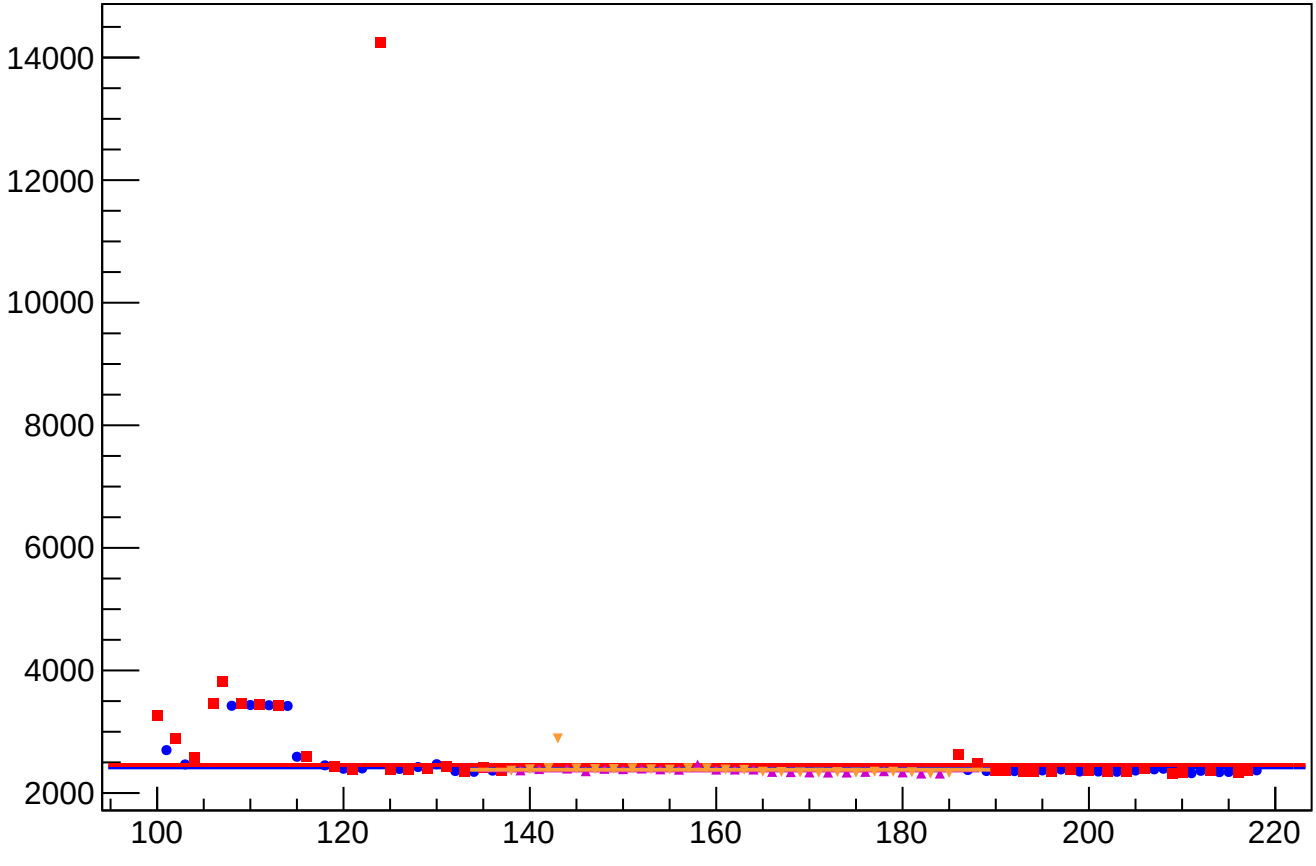
Right: 1640.091+/-383.431 χ^2/NDF: 62.4/67

In: 1870.300+/-386.430 χ^2/NDF:48.5/54

Out: 1257.937+/-383.900 χ^2/NDF:61.5/60

All: 1562.108+/-272.348 χ^2/NDF: 111.2/115

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: 2457.188+/-0.385 χ^2/NDF: 659652.7/35

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

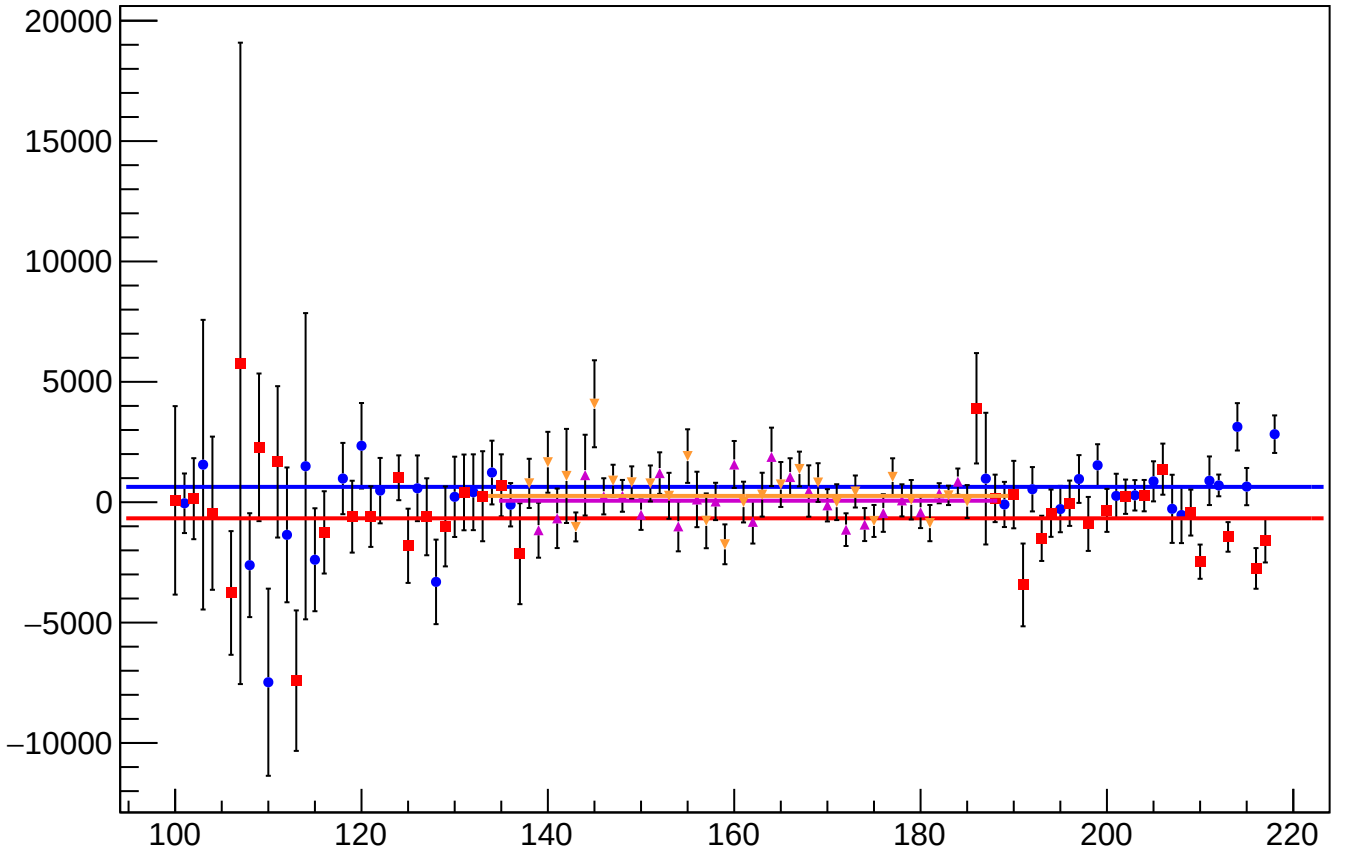
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2438.237+/-0.271 χ^2/NDF: 942268.3/67

In: 2395.104+/-0.273 χ^2/NDF:293285.4/54

Out: 2418.983+/-0.271 χ^2/NDF:736846.4/60

All: 2407.122+/-0.193 χ^2/NDF: 1033975.5/11



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: -668.758+/-191.523 χ^2/NDF: 46.9/35

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

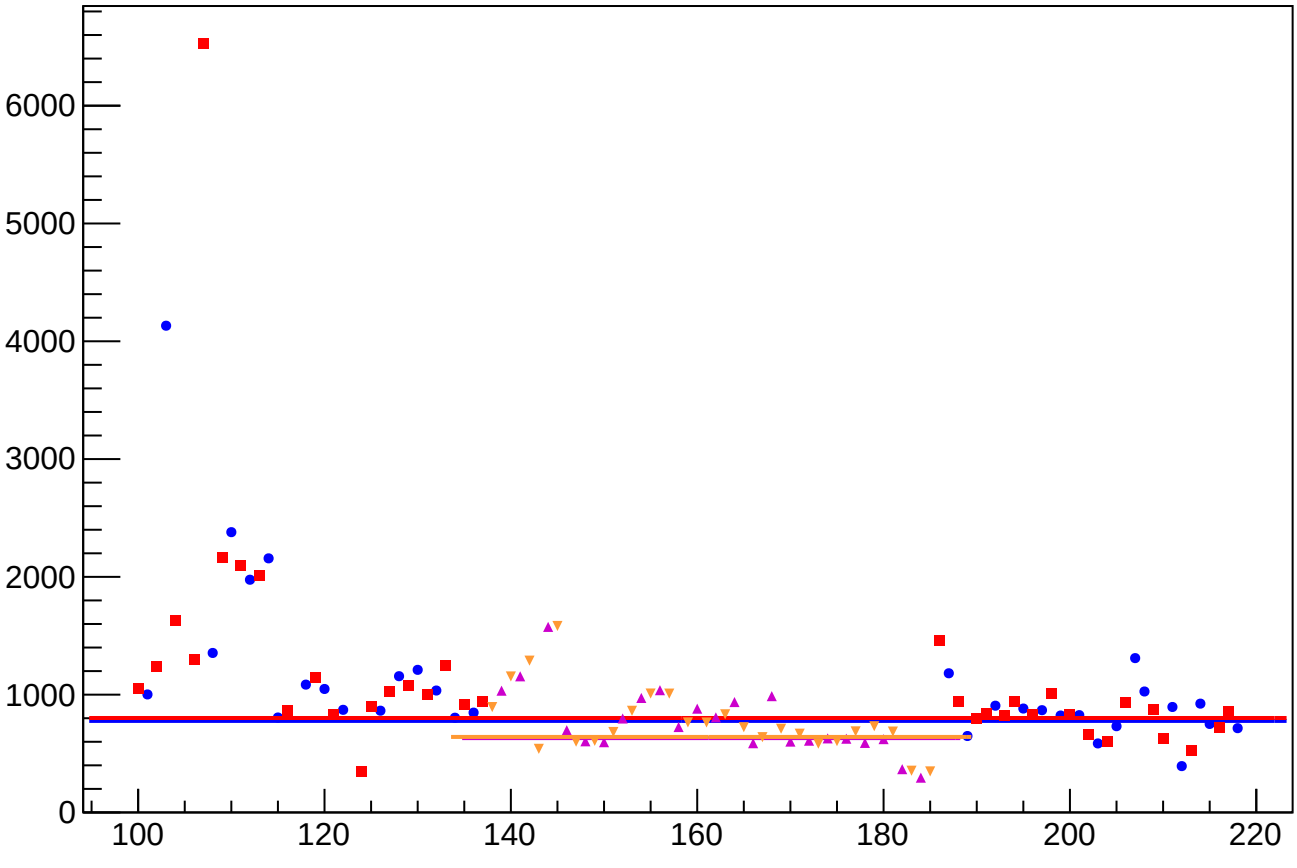
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -0.993+/-133.872 χ^2/NDF: 106.2/67

In: 300.100+/-120.470 χ^2/NDF:63.1/54

Out: -103.414+/-120.020 χ^2/NDF:92.4/60

All: 97.588+/-85.026 χ^2/NDF: 161.1/115



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: 801.924+/-0.135 χ^2/NDF: 3823830.6/35

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

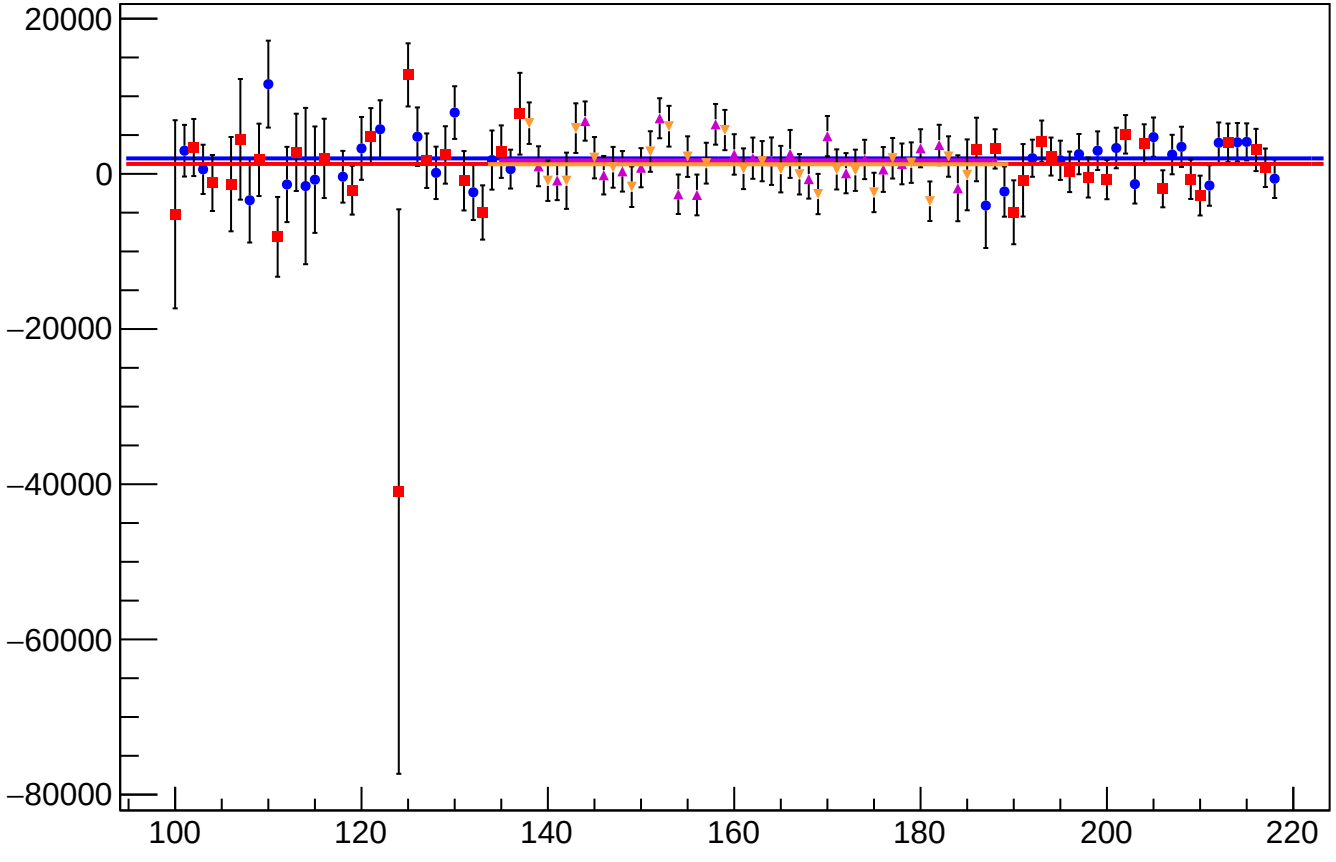
Right: 789.245+/-0.095 χ^2/NDF: 8190363.1/67

In: 691.636+/-0.085 χ^2/NDF:9037065.0/54

Out: 704.298+/-0.085 χ^2/NDF:8154102.8/60

All: 697.991+/-0.060 χ^2/NDF: 17202256.3/11

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: 1281.450+/-544.559 χ^2/NDF: 37.6/35

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

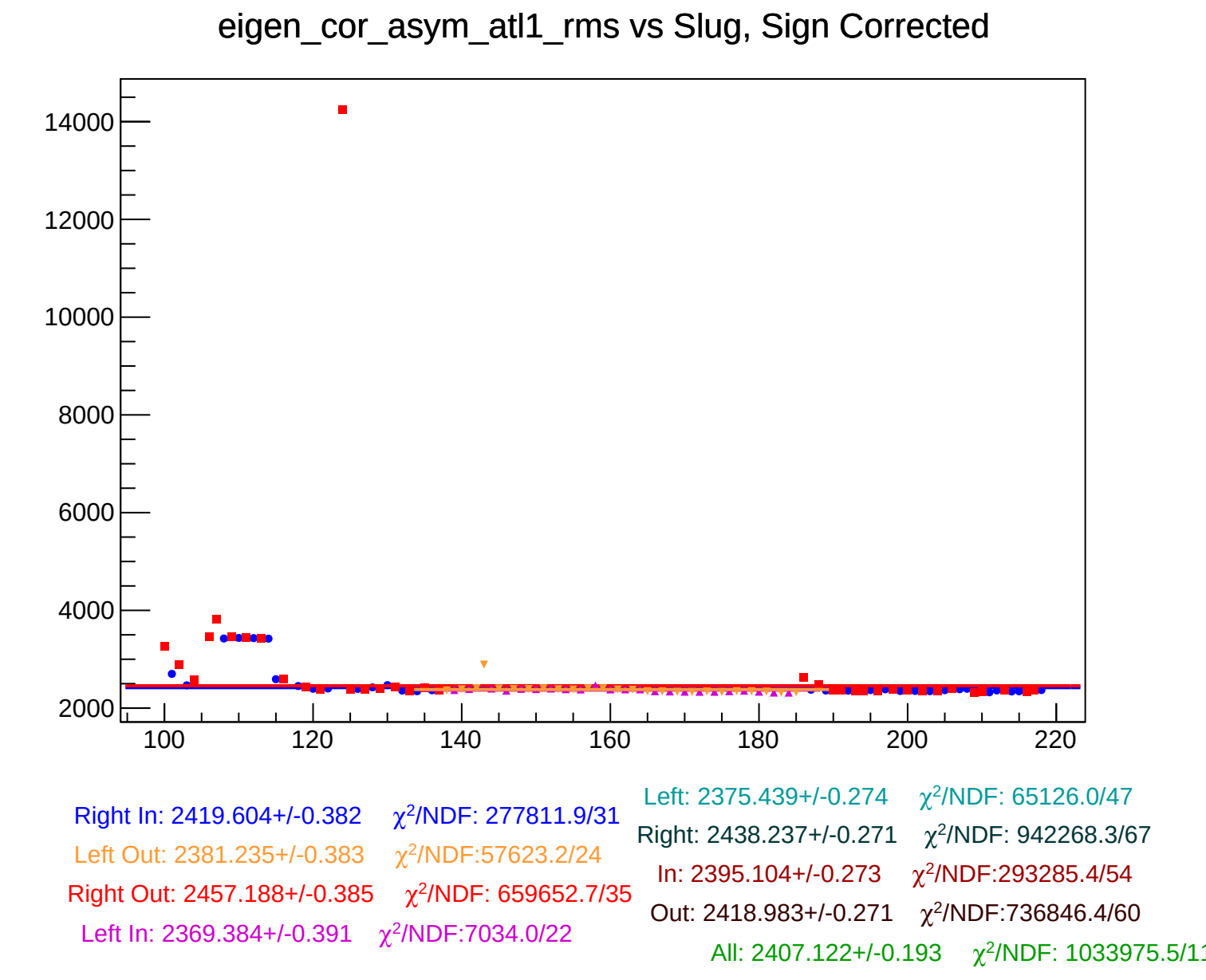
Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

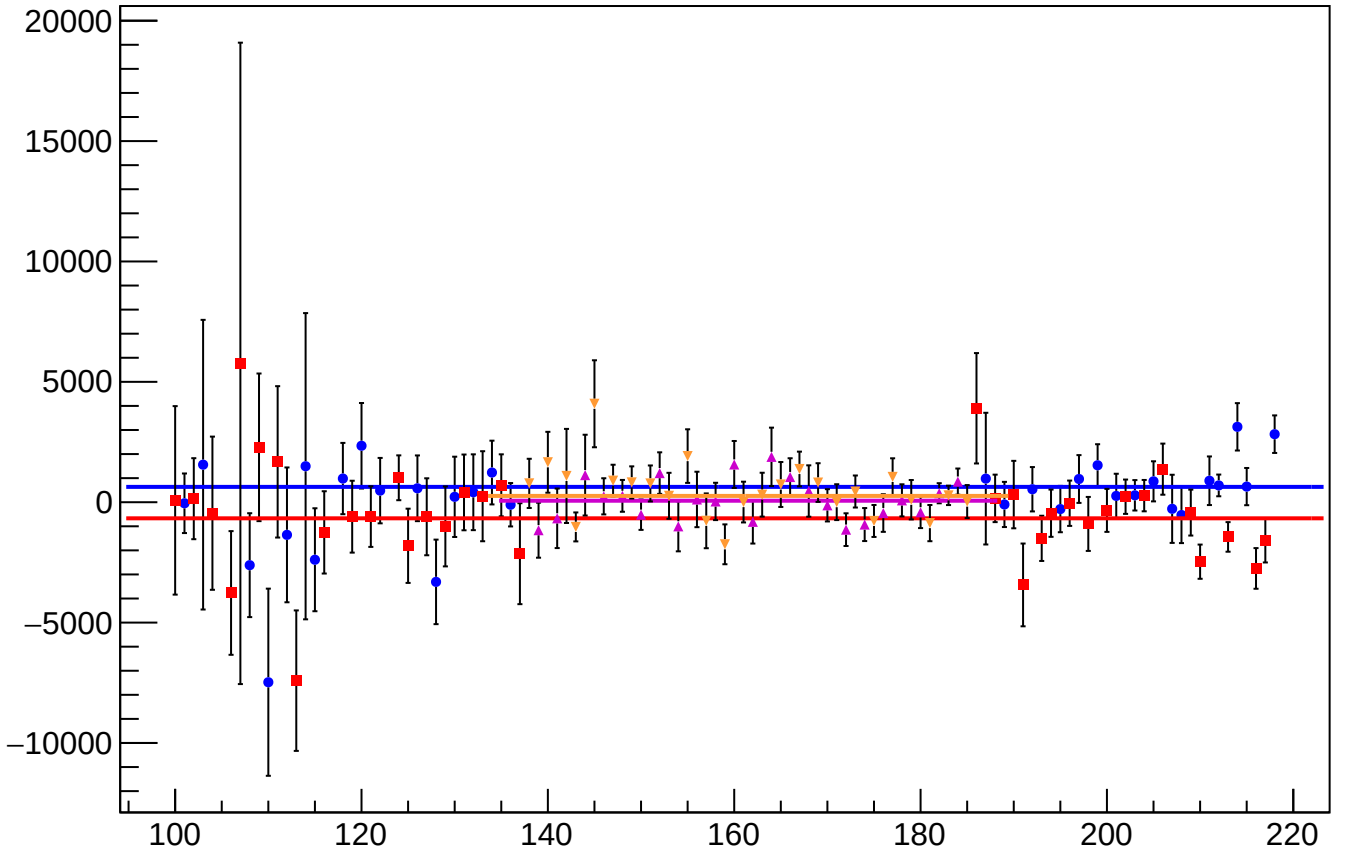
Right: 1640.091+/-383.431 χ^2/NDF: 62.4/67

In: 1870.300+/-386.430 χ^2/NDF:48.5/54

Out: 1257.937+/-383.900 χ^2/NDF:61.5/60

All: 1562.108+/-272.348 χ^2/NDF: 111.2/115


eigen_cor_asym_atl1_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 2419.604+/-0.382 χ²/NDF: 277811.9/31
Left Out: 2381.235+/-0.383 χ²/NDF:57623.2/24
Right Out: 2457.188+/-0.385 χ²/NDF: 659652.7/35
Left In: 2369.384+/-0.391 χ²/NDF:7034.0/22
Left: 2375.439+/-0.274 χ²/NDF: 65126.0/47
Right: 2438.237+/-0.271 χ²/NDF: 942268.3/67
In: 2395.104+/-0.273 χ²/NDF:293285.4/54
Out: 2418.983+/-0.271 χ²/NDF:736846.4/60
All: 2407.122+/-0.193 χ²/NDF: 1033975.5/11



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: -668.758+/-191.523 χ^2/NDF: 46.9/35

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

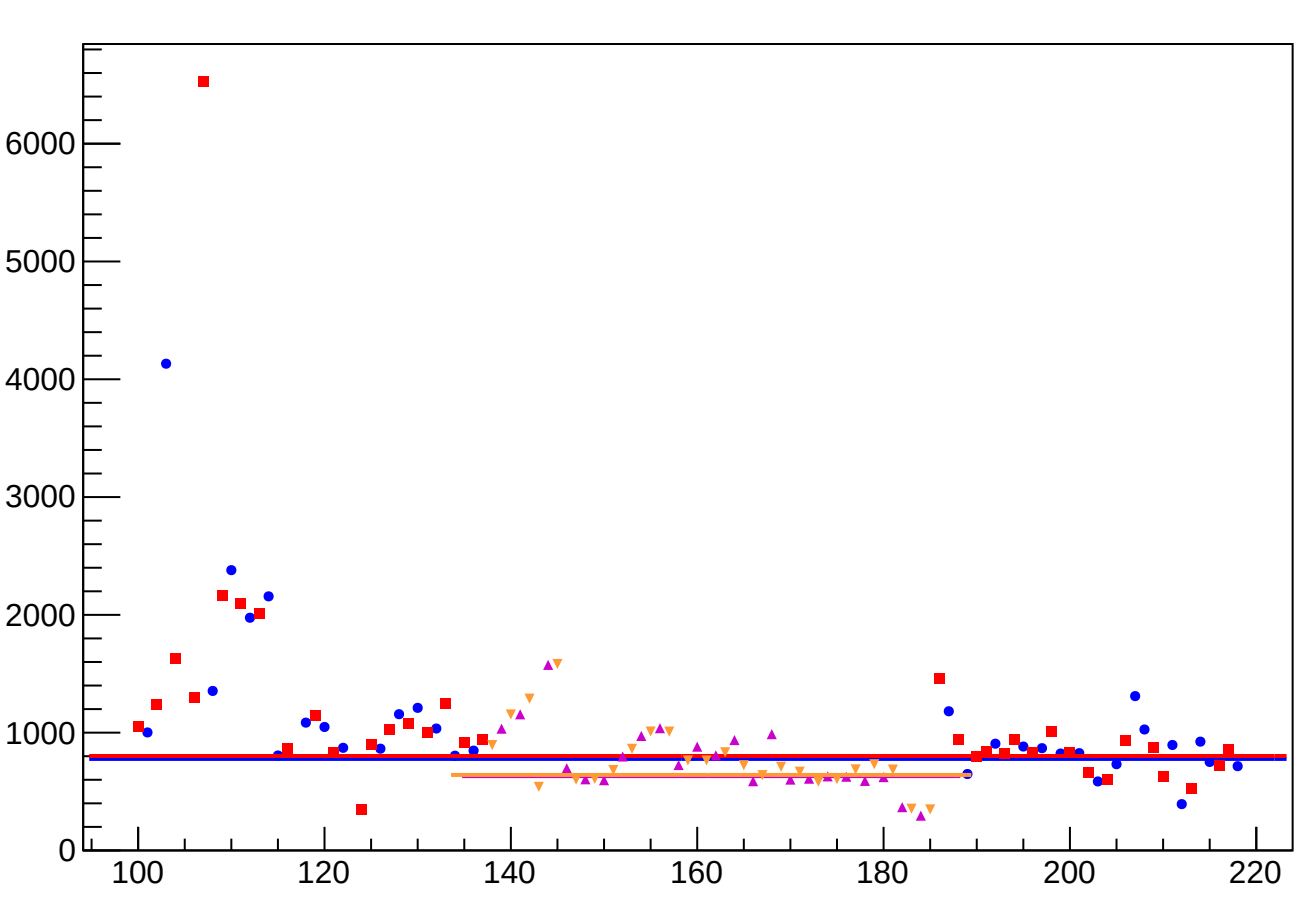
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -0.993+/-133.872 χ^2/NDF: 106.2/67

In: 300.100+/-120.470 χ^2/NDF:63.1/54

Out: -103.414+/-120.020 χ^2/NDF:92.4/60

All: 97.588+/-85.026 χ^2/NDF: 161.1/115



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: 801.924+/-0.135 χ^2/NDF: 3823830.6/35

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

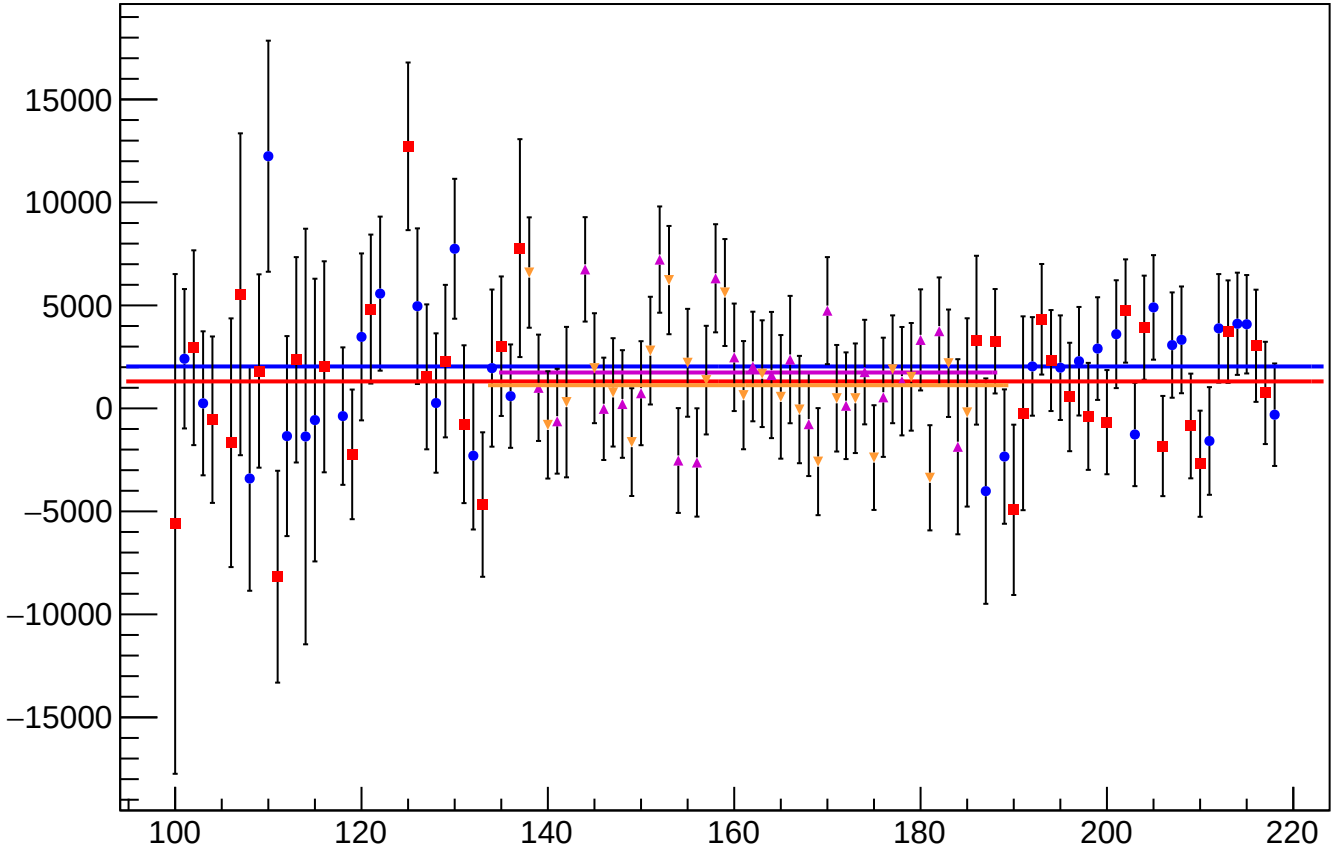
Right: 789.245+/-0.095 χ^2/NDF: 8190363.1/67

In: 691.636+/-0.085 χ^2/NDF:9037065.0/54

Out: 704.298+/-0.085 χ^2/NDF:8154102.8/60

All: 697.991+/-0.060 χ^2/NDF: 17202256.3/11

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: 1309.698+/-550.185 χ^2/NDF: 34.7/34

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

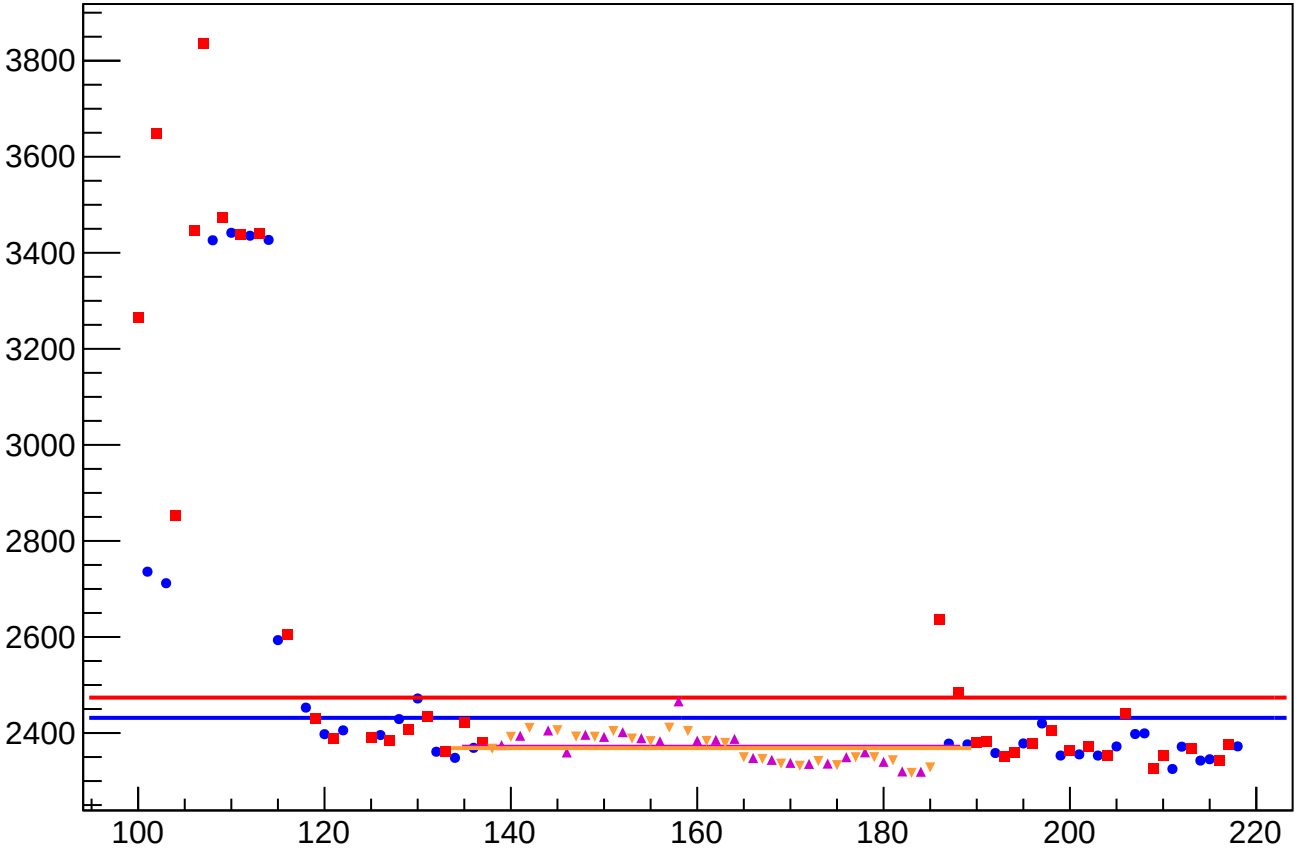
Right: 1677.689+/-386.416 χ^2/NDF: 59.6/66

In: 1892.035+/-387.647 χ^2/NDF:47.9/54

Out: 1217.571+/-388.915 χ^2/NDF:55.9/58

All: 1555.905+/-274.555 χ^2/NDF: 105.4/113

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: 2473.766+/-0.389 χ^2/NDF: 559556.6/34

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

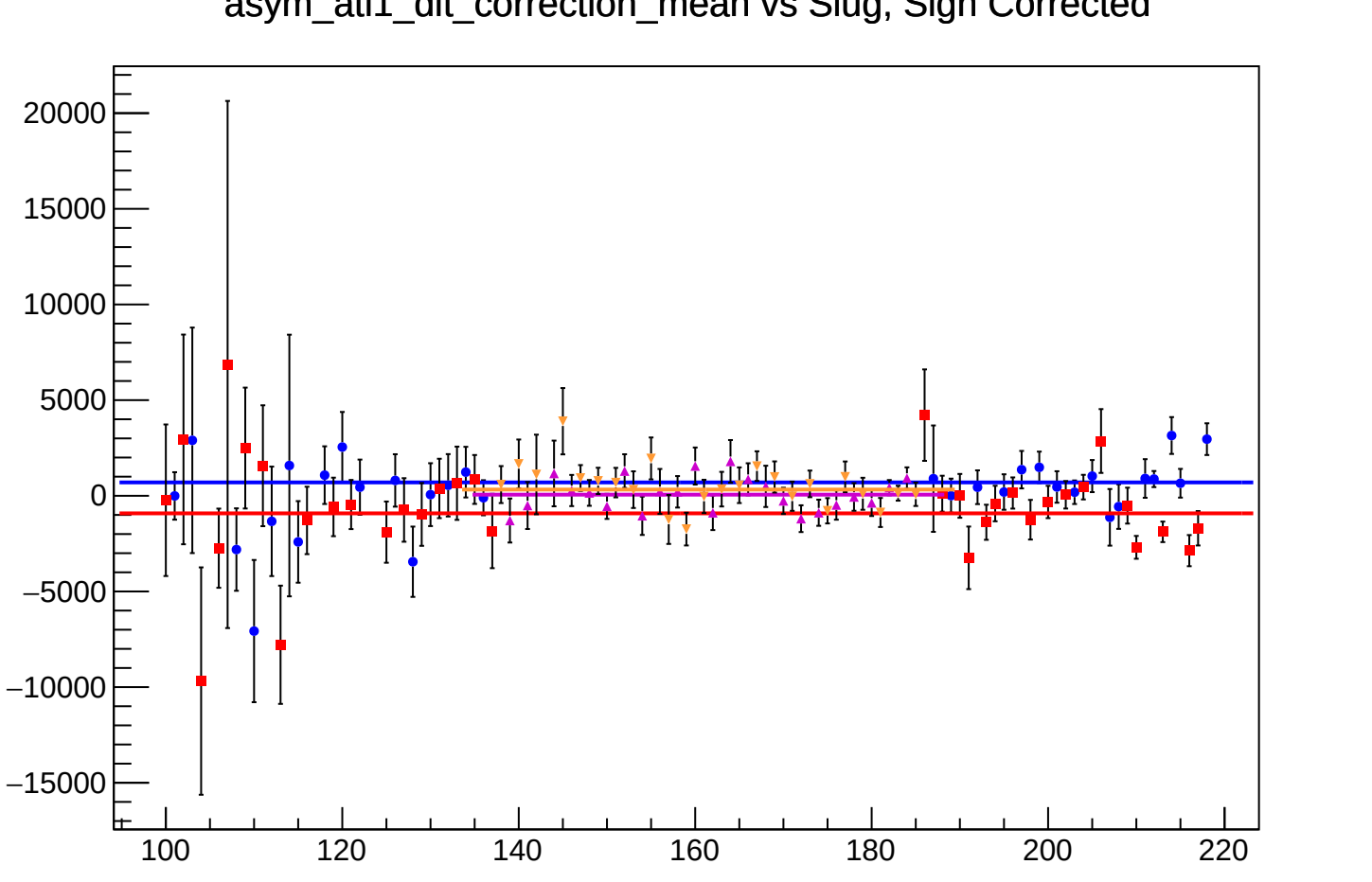
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2452.395+/-0.273 χ^2/NDF: 857474.1/66

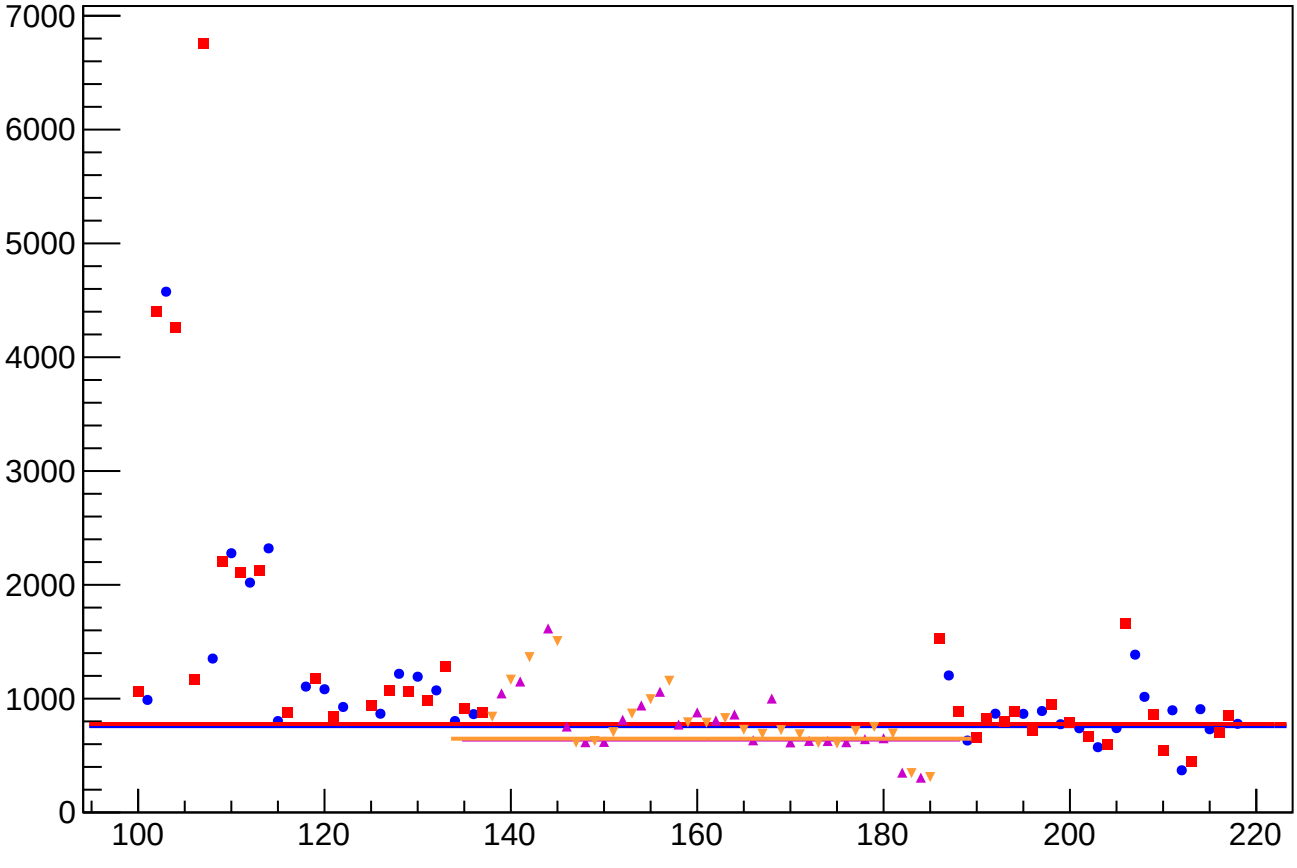
In: 2402.152+/-0.274 χ^2/NDF:311018.7/54

Out: 2421.134+/-0.275 χ^2/NDF:601709.6/58

All: 2411.612+/-0.194 χ^2/NDF: 915118.1/113


asym_atl1_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 699.343+/-182.841 χ²/NDF: 37.6/31
Left Out: 325.955+/-160.041 χ²/NDF:26.8/23
Right Out: -918.014+/-188.182 χ²/NDF: 56.3/34
Left In: 59.619+/-159.669 χ²/NDF:22.7/22
Left: 192.477+/-113.035 χ²/NDF: 50.9/46
Right: -86.060+/-131.136 χ²/NDF: 131.9/66
In: 336.399+/-120.267 χ²/NDF:67.2/54
Out: -196.155+/-121.914 χ²/NDF:108.4/58
All: 73.744+/-85.618 χ²/NDF: 185.3/113

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: 777.170+/-0.133 χ^2/NDF: 5896022.4/34

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

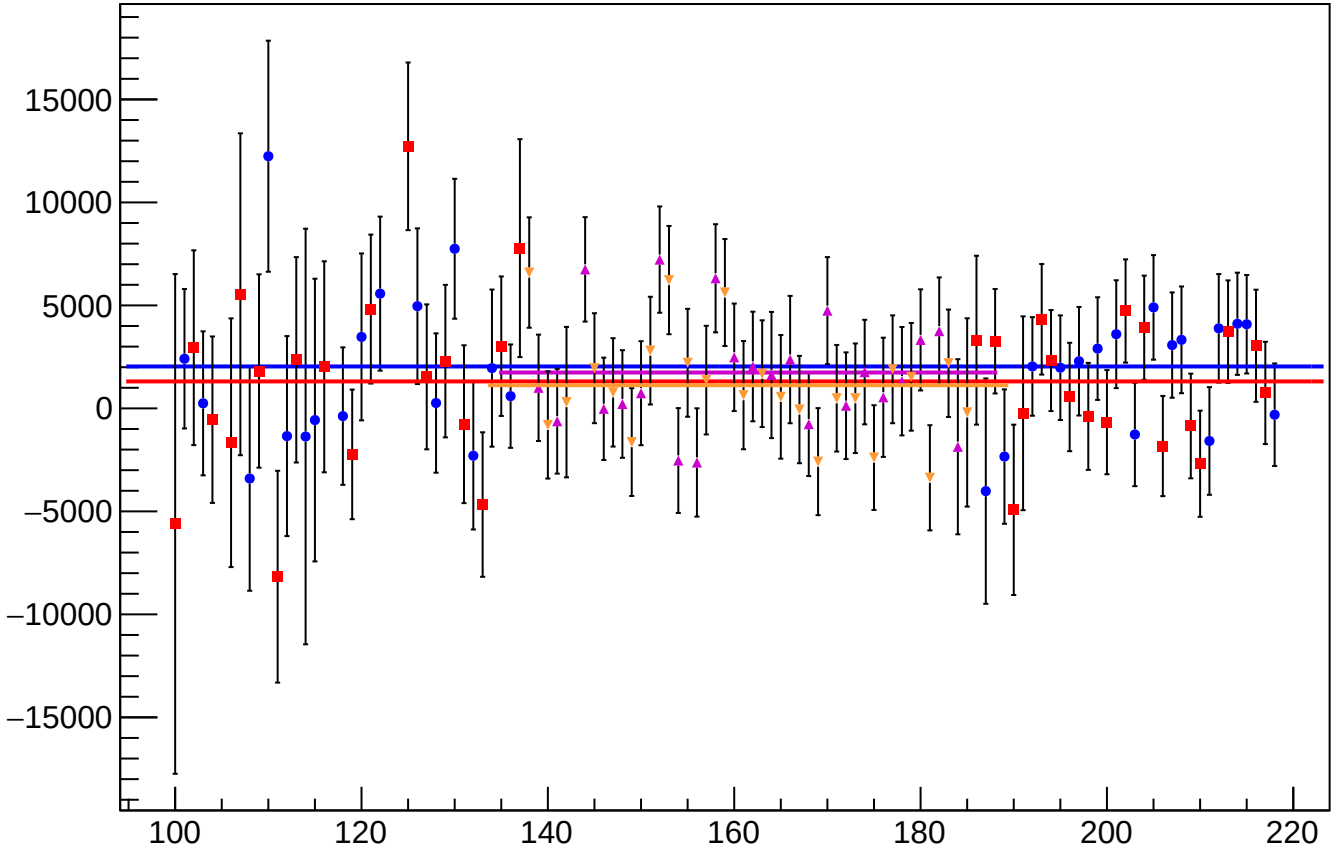
Right: 767.547+/-0.093 χ^2/NDF: 10988239.9/66

In: 691.493+/-0.085 χ^2/NDF:9683738.6/54

Out: 702.272+/-0.086 χ^2/NDF:10328977.4/58

All: 696.809+/-0.061 χ^2/NDF: 20020640.2/11

eigen_dit_asym_atl1_mean vs Slug, Sign Corrected



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: 1309.698+/-550.185 χ^2/NDF: 34.7/34

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

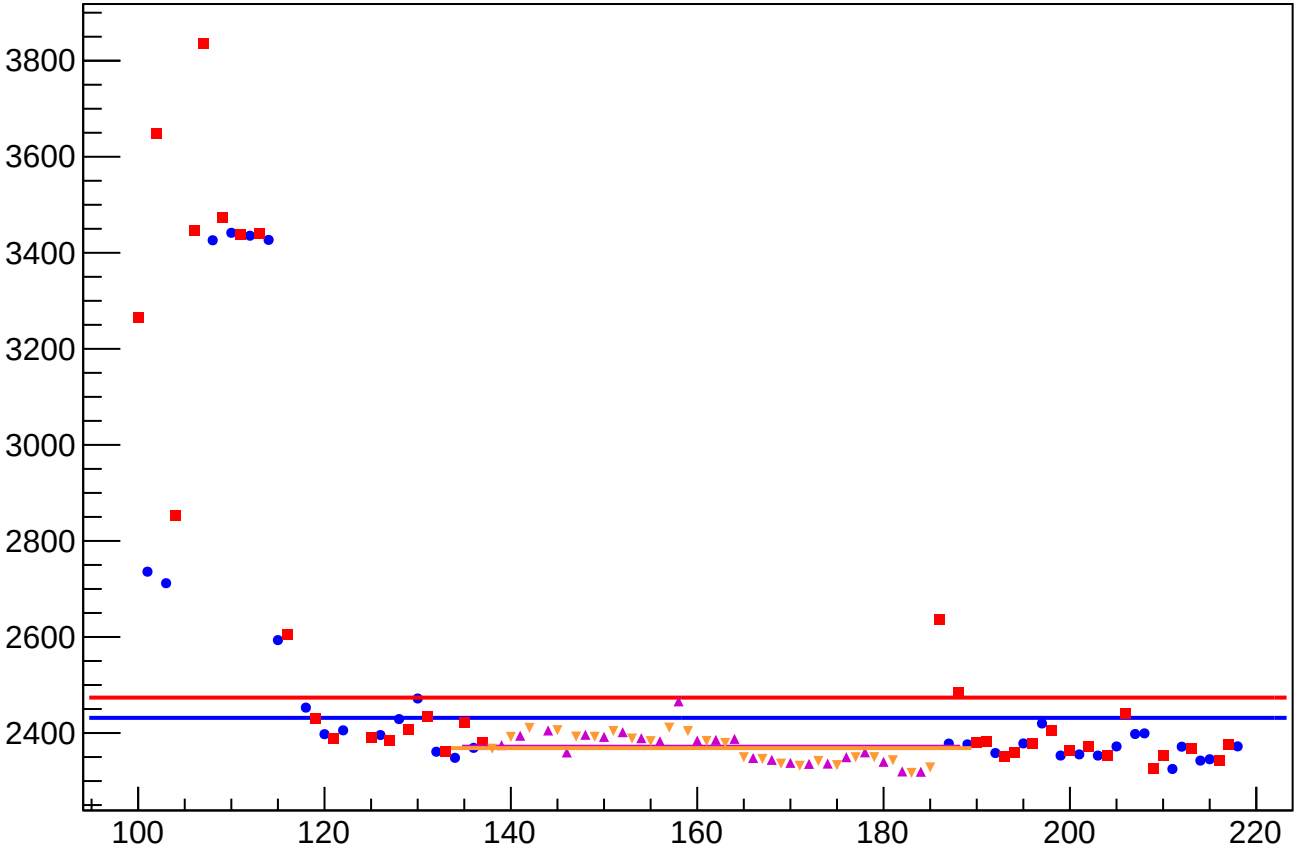
Right: 1677.688+/-386.416 χ^2/NDF: 59.6/66

In: 1892.034+/-387.647 χ^2/NDF:47.9/54

Out: 1217.572+/-388.915 χ^2/NDF:55.9/58

All: 1555.904+/-274.555 χ^2/NDF: 105.4/113

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: 2473.765+/-0.389 χ^2/NDF: 559555.7/34

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

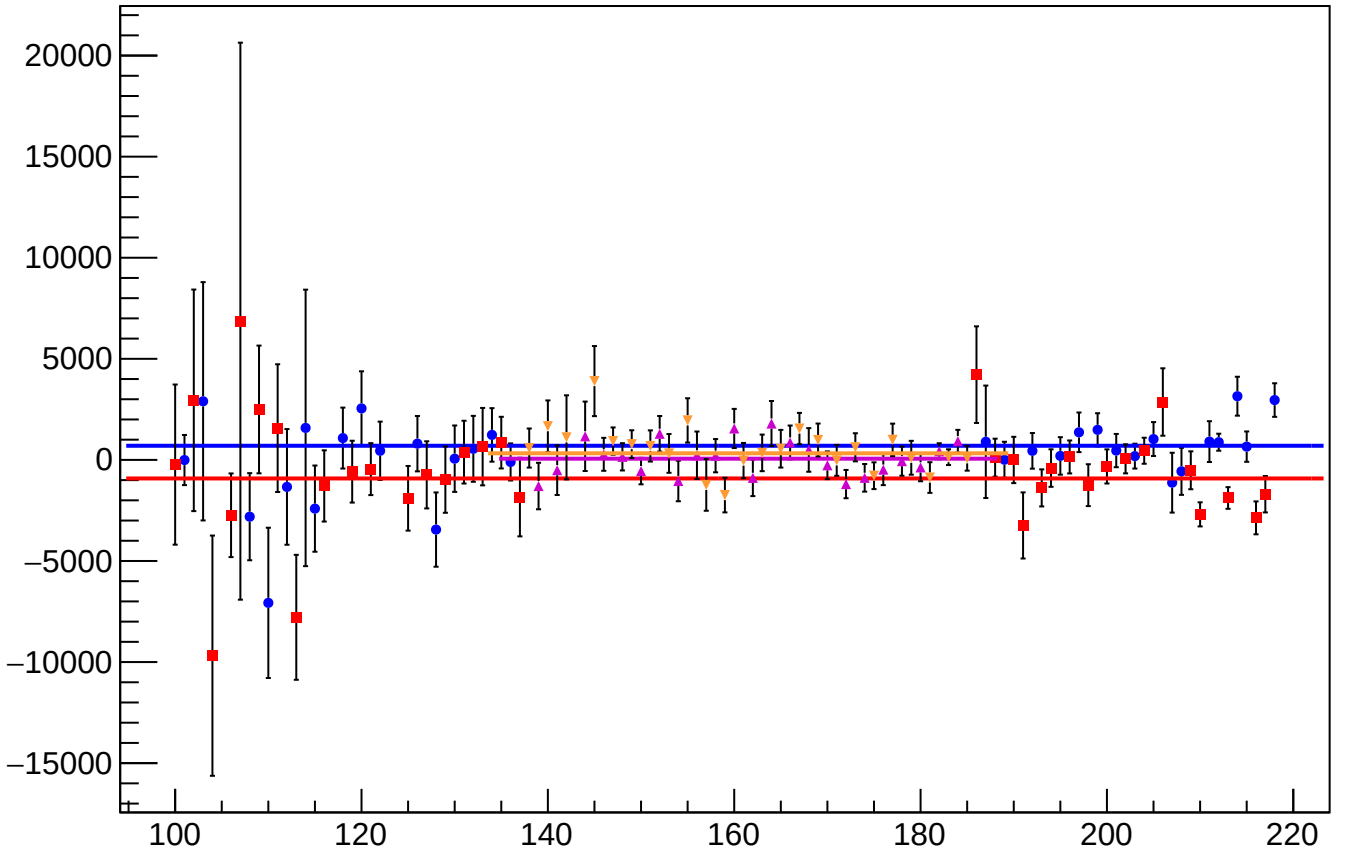
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2452.395+/-0.273 χ^2/NDF: 857472.7/66

In: 2402.152+/-0.274 χ^2/NDF:311018.2/54

Out: 2421.134+/-0.275 χ^2/NDF:601708.6/58

All: 2411.612+/-0.194 χ^2/NDF: 915116.6/113



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: -918.013+/-188.181 χ^2/NDF: 56.3/34

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

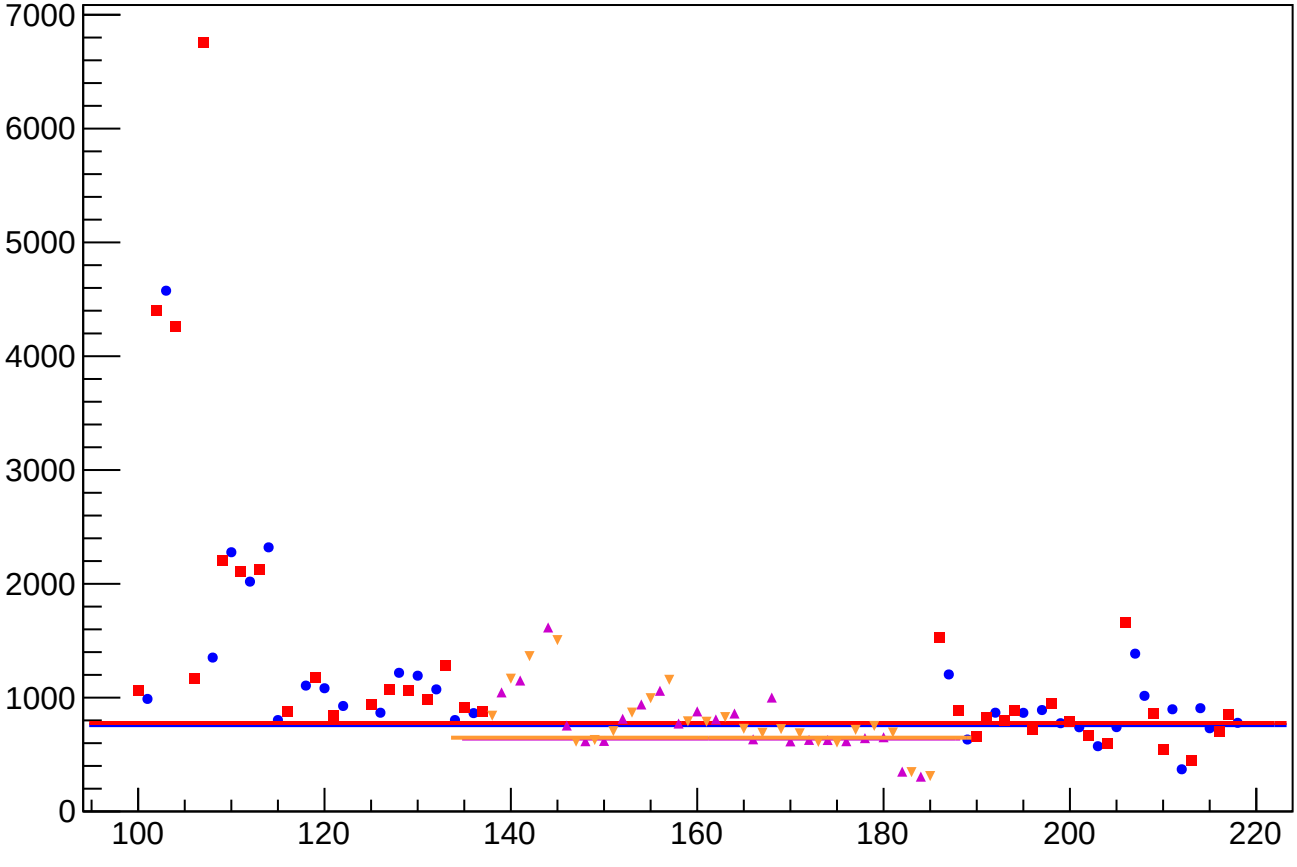
Right: -86.060+/-131.135 χ^2/NDF: 131.9/66

In: 336.400+/-120.267 χ^2/NDF:67.2/54

Out: -196.156+/-121.914 χ^2/NDF:108.4/58

All: 73.744+/-85.618 χ^2/NDF: 185.3/113

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: 777.169+/-0.133 χ^2/NDF: 5896032.0/34

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

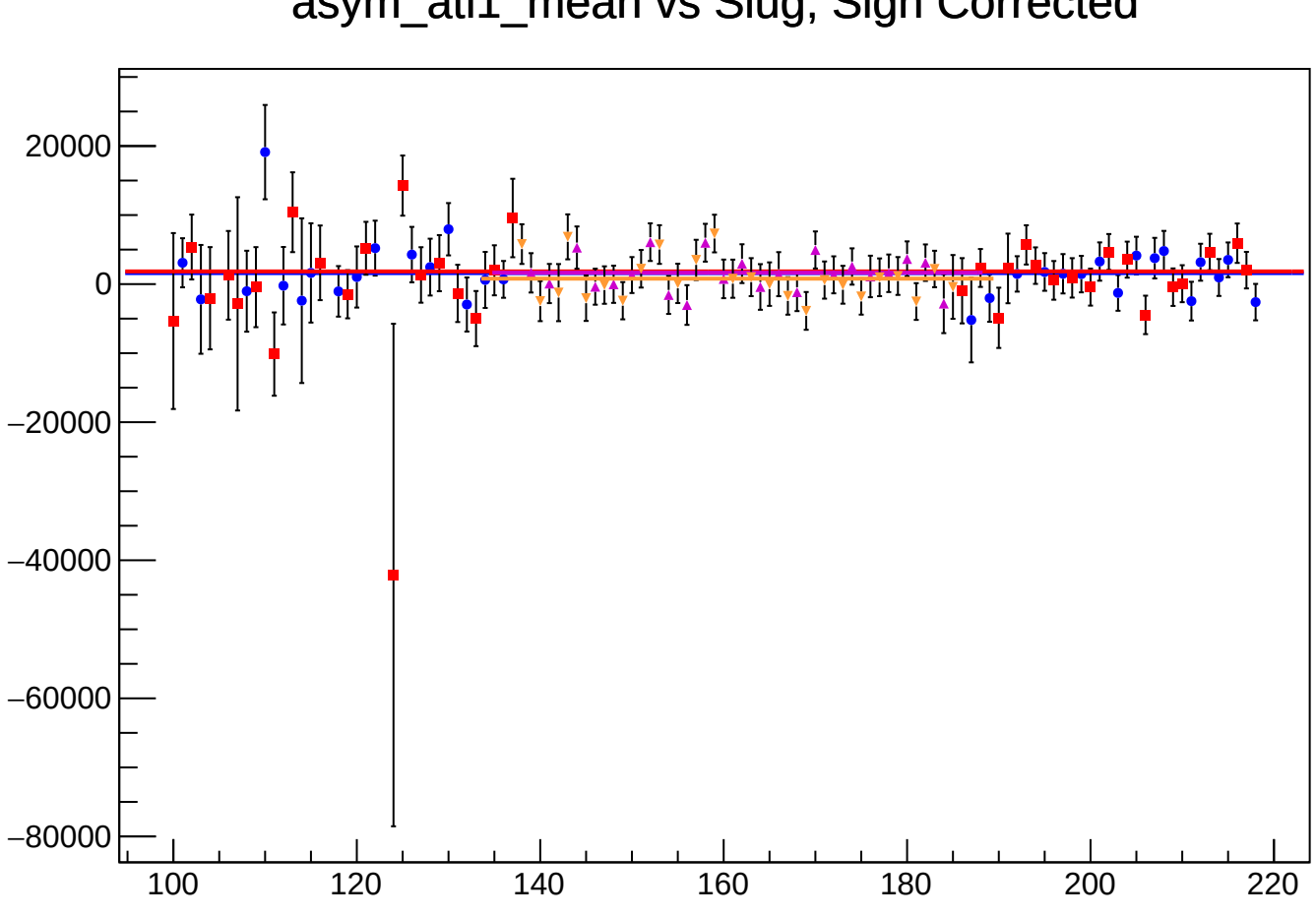
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 767.546+/-0.093 χ^2/NDF: 10988257.0/66

In: 691.493+/-0.085 χ^2/NDF:9683747.4/54

Out: 702.273+/-0.086 χ^2/NDF:10328985.3/58

All: 696.810+/-0.061 χ^2/NDF: 20020657.2/11



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: 1840.678+/-596.819 χ^2/NDF: 41.1/35

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

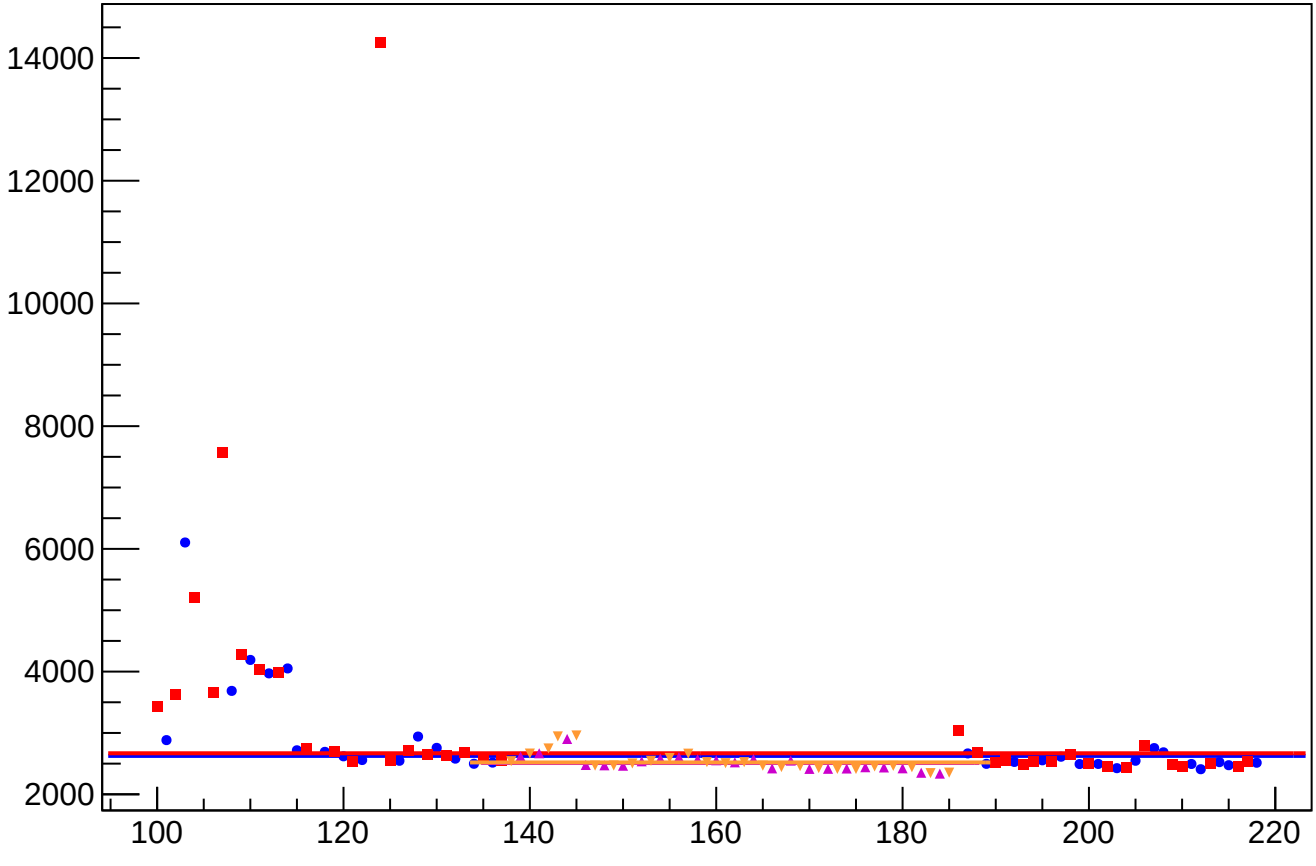
Right: 1716.322+/-419.696 χ^2/NDF: 67.0/67

In: 1624.824+/-416.155 χ^2/NDF:43.1/54

Out: 1294.946+/-413.436 χ^2/NDF:69.9/60

All: 1458.804+/-293.300 χ^2/NDF: 113.3/115

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2626.017+/-0.417 χ^2/NDF: 801909.8/31

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2668.845+/-0.422 χ^2/NDF: 1266177.3/35

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

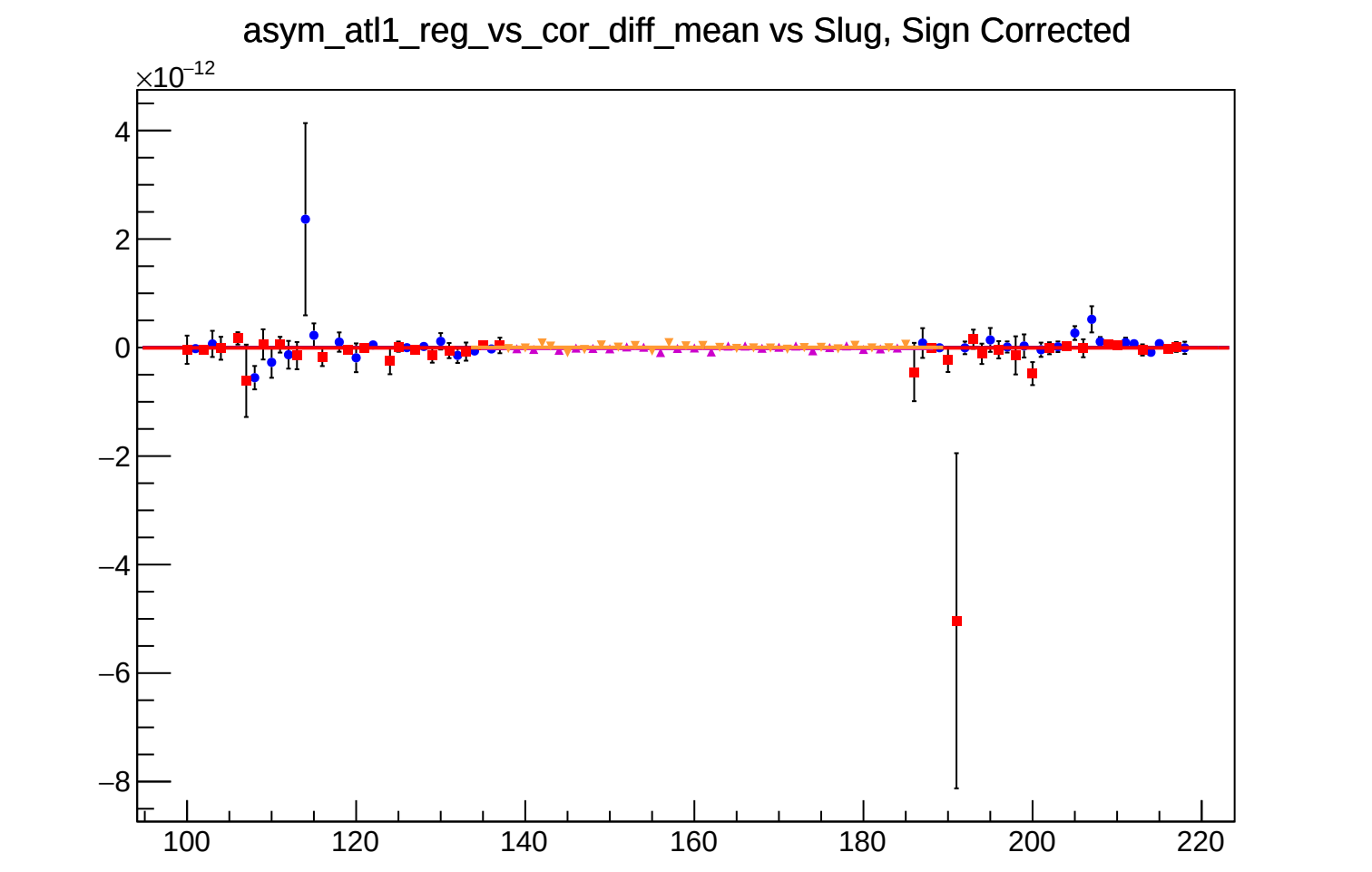
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2647.196+/-0.297 χ^2/NDF: 2073293.3/67

In: 2567.737+/-0.294 χ^2/NDF:914435.3/54

Out: 2591.176+/-0.292 χ^2/NDF:1446505.8/60

All: 2579.533+/-0.207 χ^2/NDF: 2364134.0/11



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/35

Left In: -0.000+/-0.000 χ^2/NDF:32.3/22

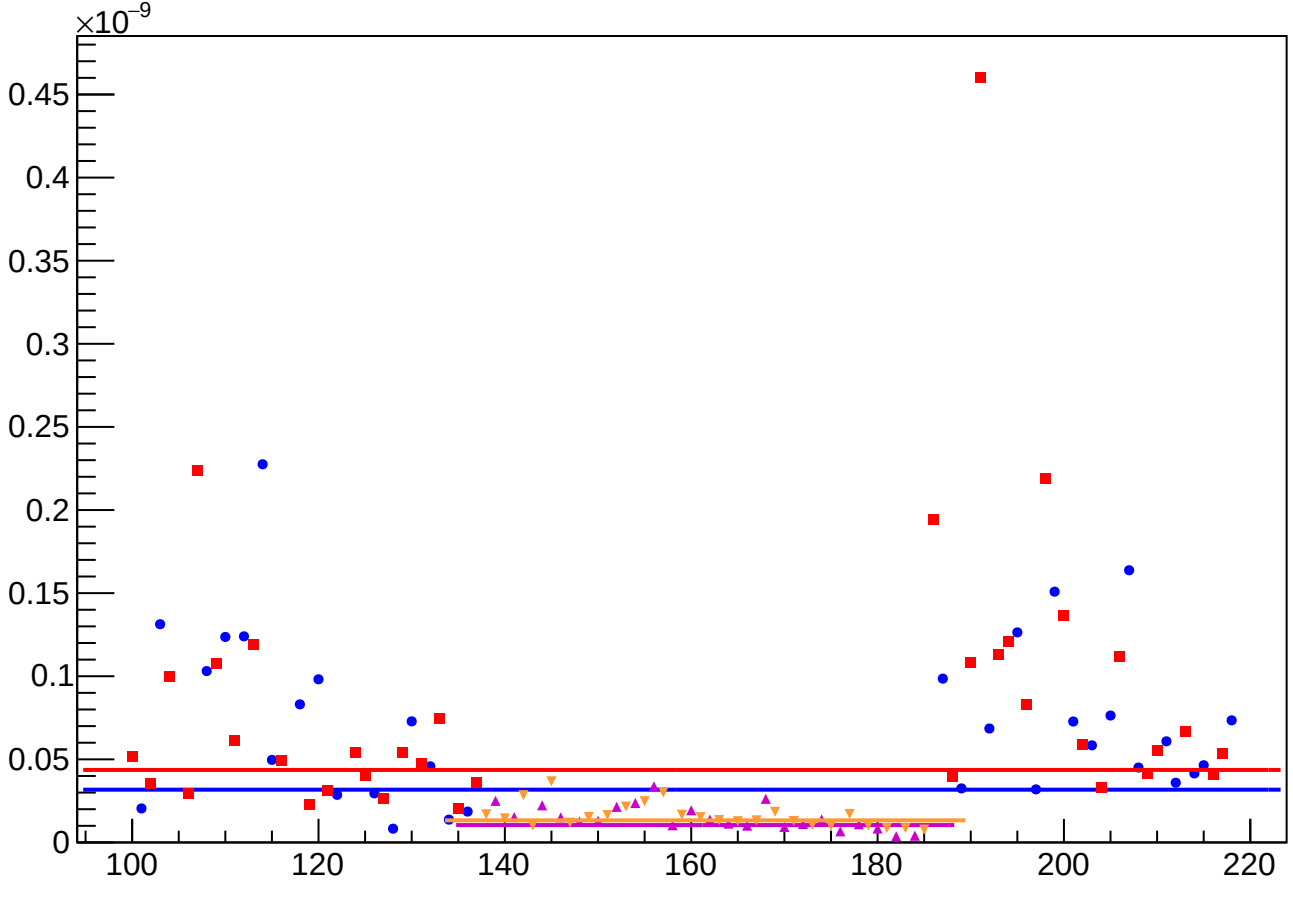
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 53.9/67

In: -0.000+/-0.000 χ^2/NDF:65.9/54

Out: 0.000+/-0.000 χ^2/NDF:50.0/60

All: -0.000+/-0.000 χ^2/NDF: 120.1/115



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: 4132259.7/35

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

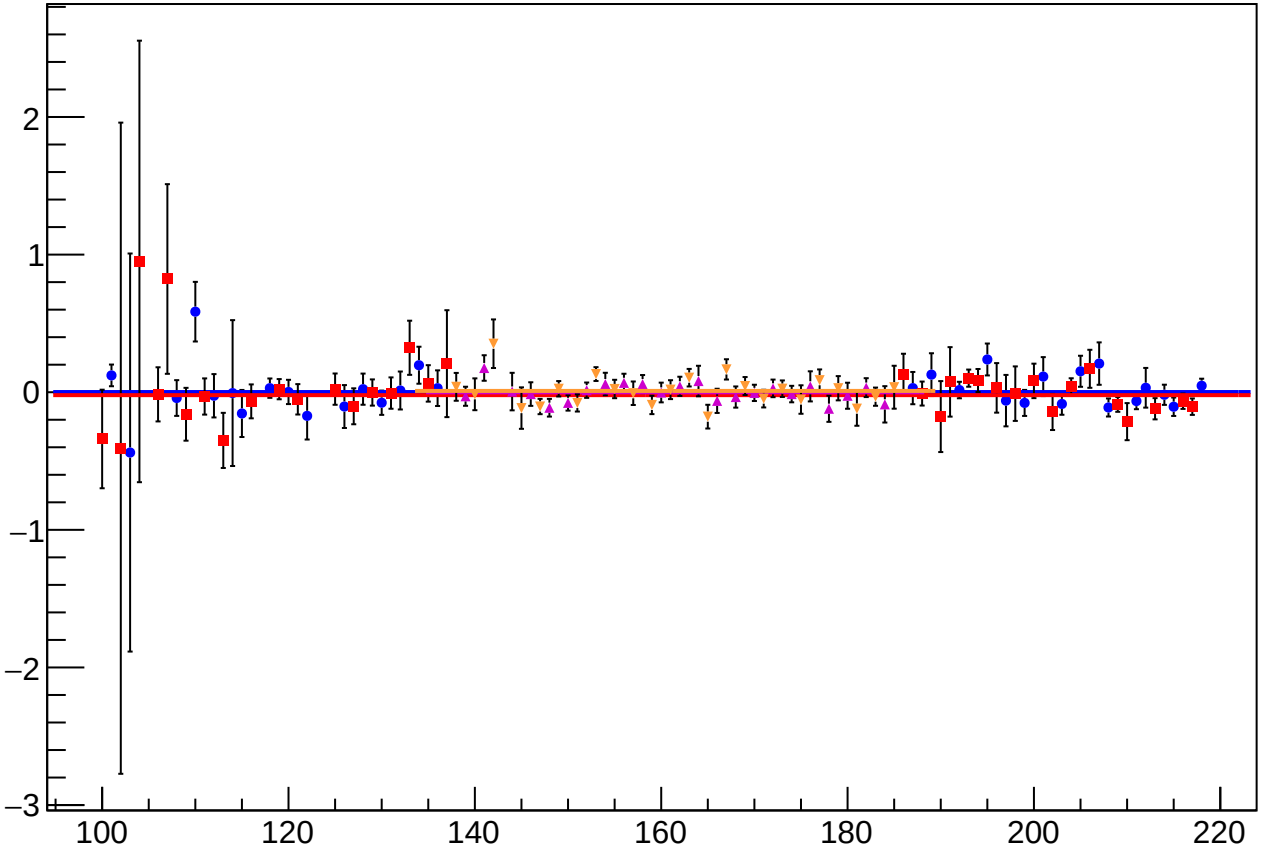
Right: 0.000+/-0.000 χ^2/NDF: 10823571.0/67

In: 0.000+/-0.000 χ^2/NDF:13037053.9/54

Out: 0.000+/-0.000 χ^2/NDF:11109086.2/60

All: 0.000+/-0.000 χ^2/NDF: 24572209.1/115

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: -0.021+/-0.018 χ^2/NDF: 30.3/34

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

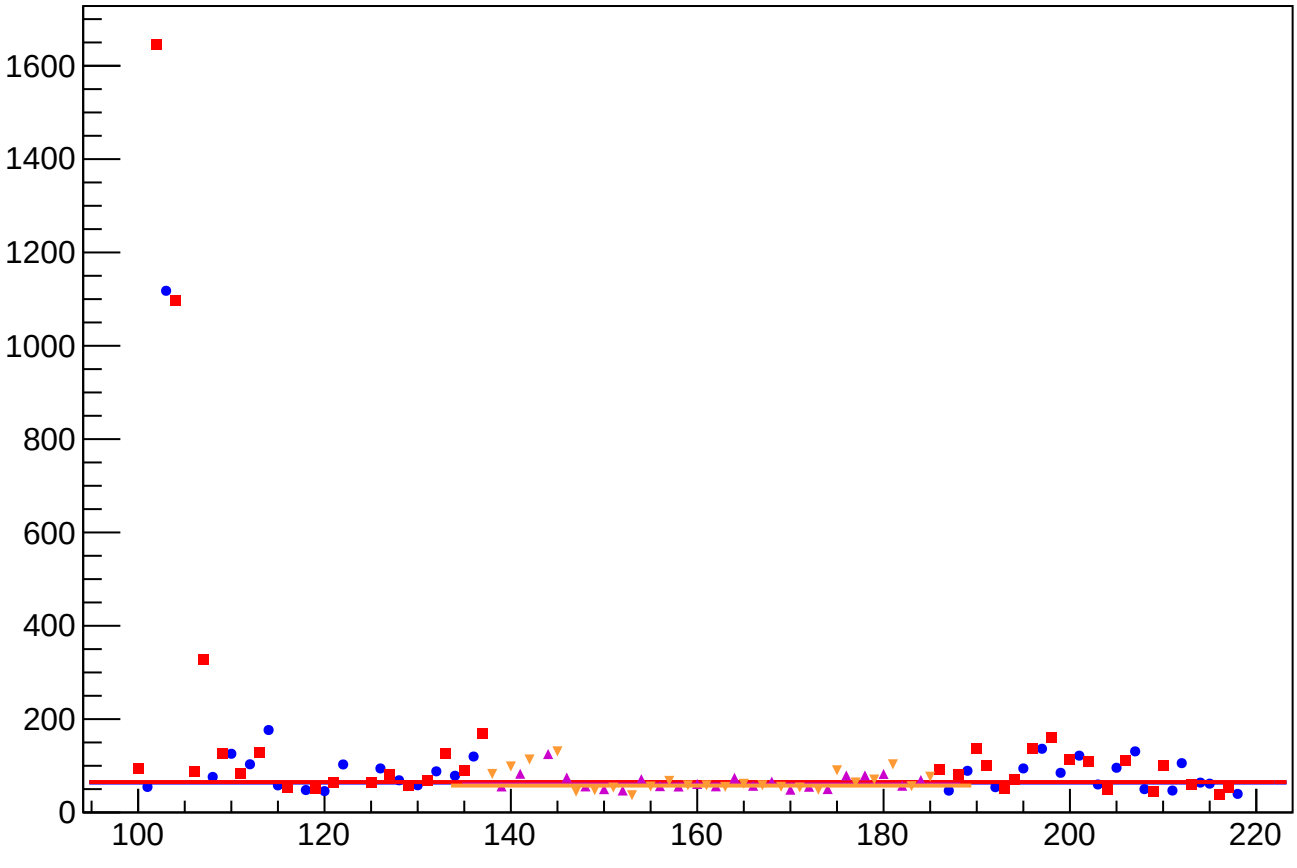
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.010+/-0.012 χ^2/NDF: 65.2/66

In: 0.000+/-0.011 χ^2/NDF:49.7/54

Out: -0.003+/-0.012 χ^2/NDF:66.7/58

All: -0.002+/-0.008 χ^2/NDF: 116.4/113



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: 65.117+/-0.013 χ^2/NDF: 6097331.8/34

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

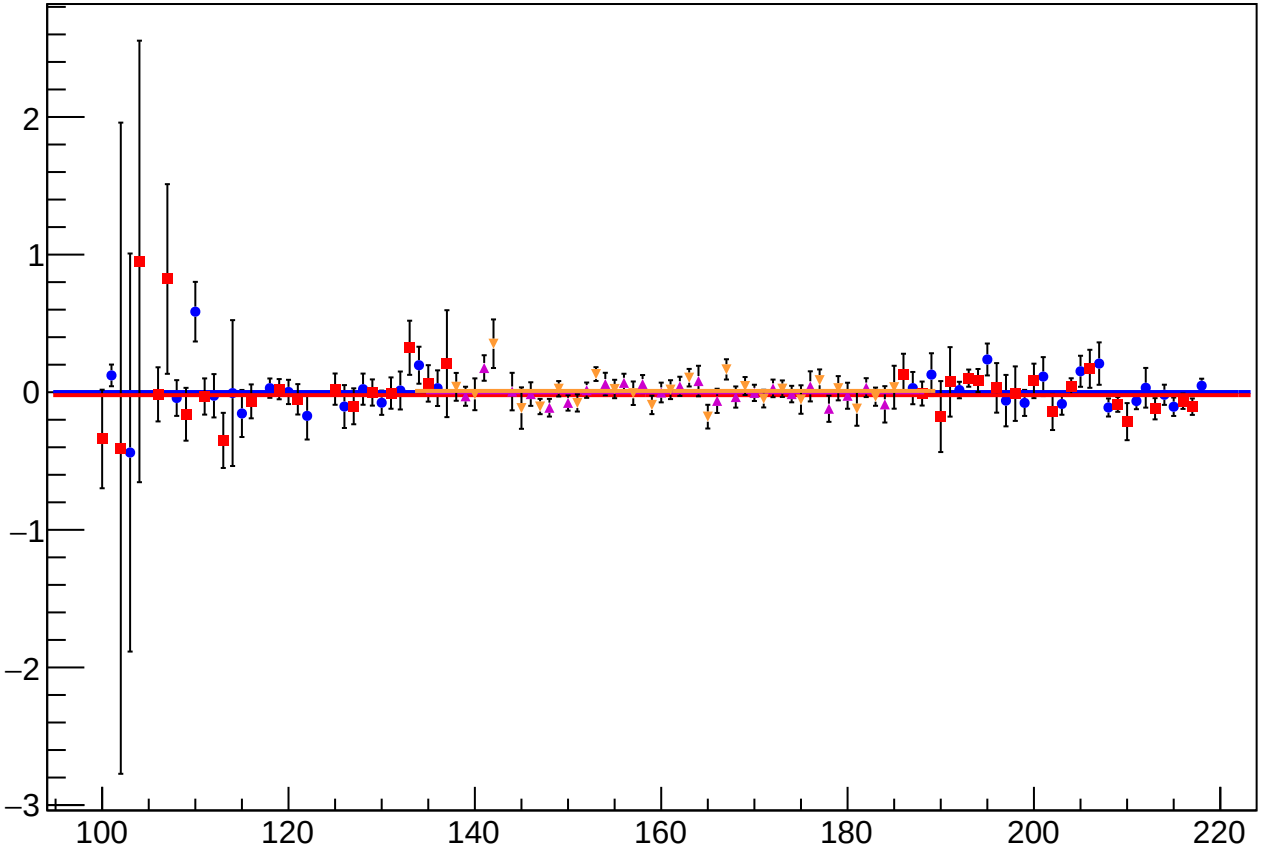
Right: 64.565+/-0.009 χ^2/NDF: 10858531.8/66

In: 61.727+/-0.008 χ^2/NDF:6165078.3/54

Out: 60.751+/-0.008 χ^2/NDF:8517468.7/58

All: 61.240+/-0.006 χ^2/NDF: 14689741.5/113

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: -0.021+/-0.018 χ^2/NDF: 30.3/34

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

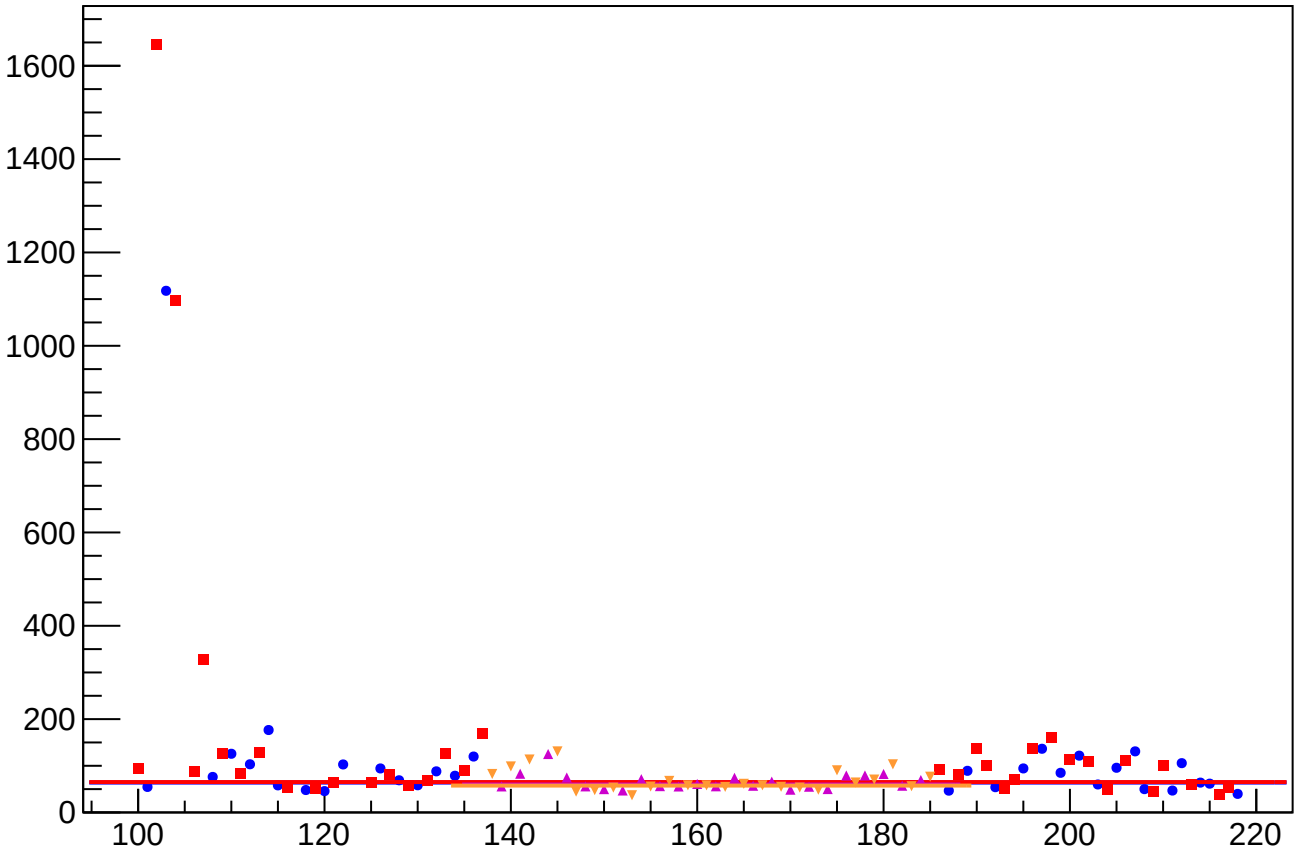
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.010+/-0.012 χ^2/NDF: 65.2/66

In: 0.000+/-0.011 χ^2/NDF:49.7/54

Out: -0.003+/-0.012 χ^2/NDF:66.7/58

All: -0.002+/-0.008 χ^2/NDF: 116.4/113



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: 65.117+/-0.013 χ^2/NDF: 6097331.8/34

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

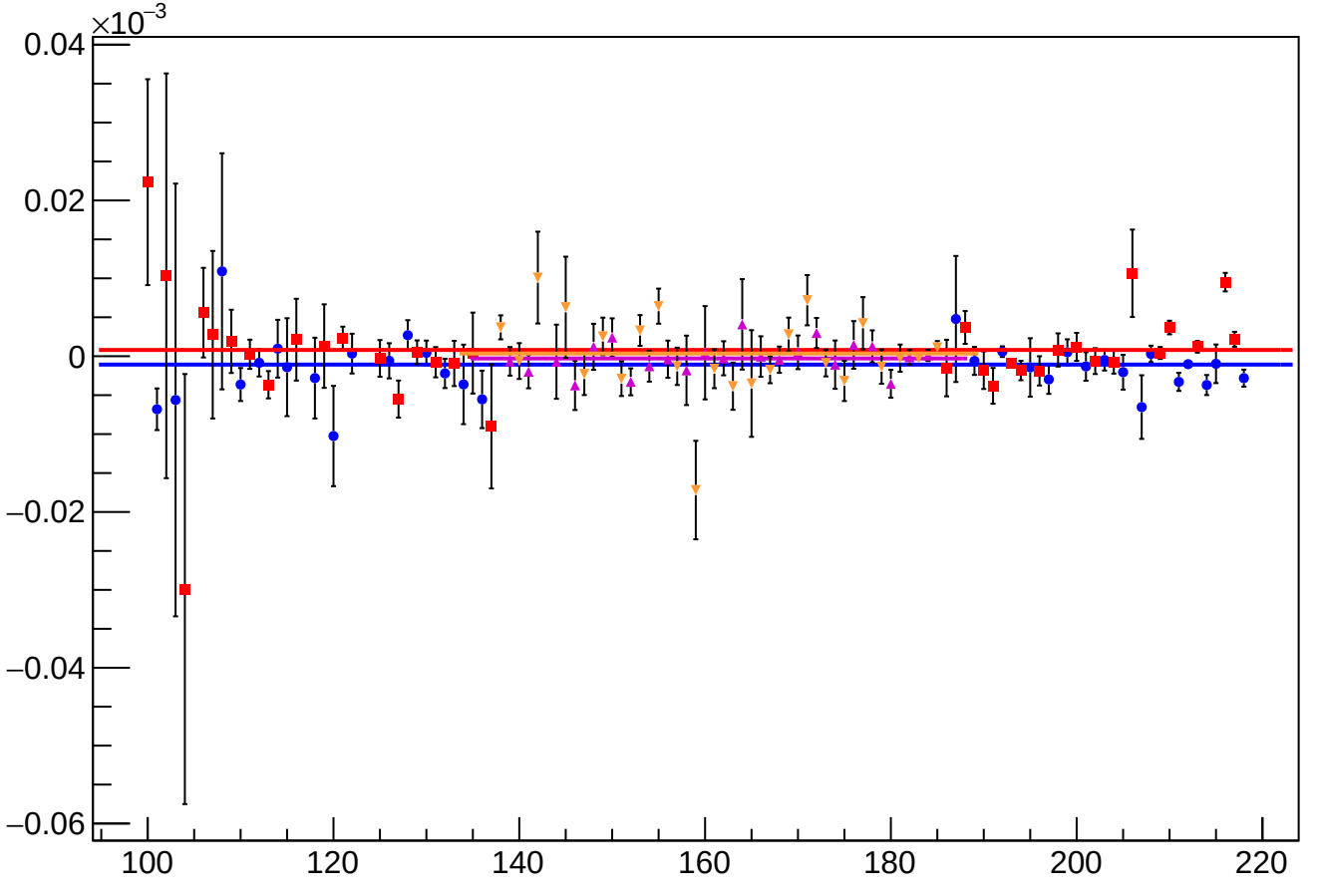
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 64.565+/-0.009 χ^2/NDF: 10858531.8/66

In: 61.727+/-0.008 χ^2/NDF:6165078.3/54

Out: 60.751+/-0.008 χ^2/NDF:8517468.7/58

All: 61.240+/-0.006 χ^2/NDF: 14689741.5/113



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: 116.7/34

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

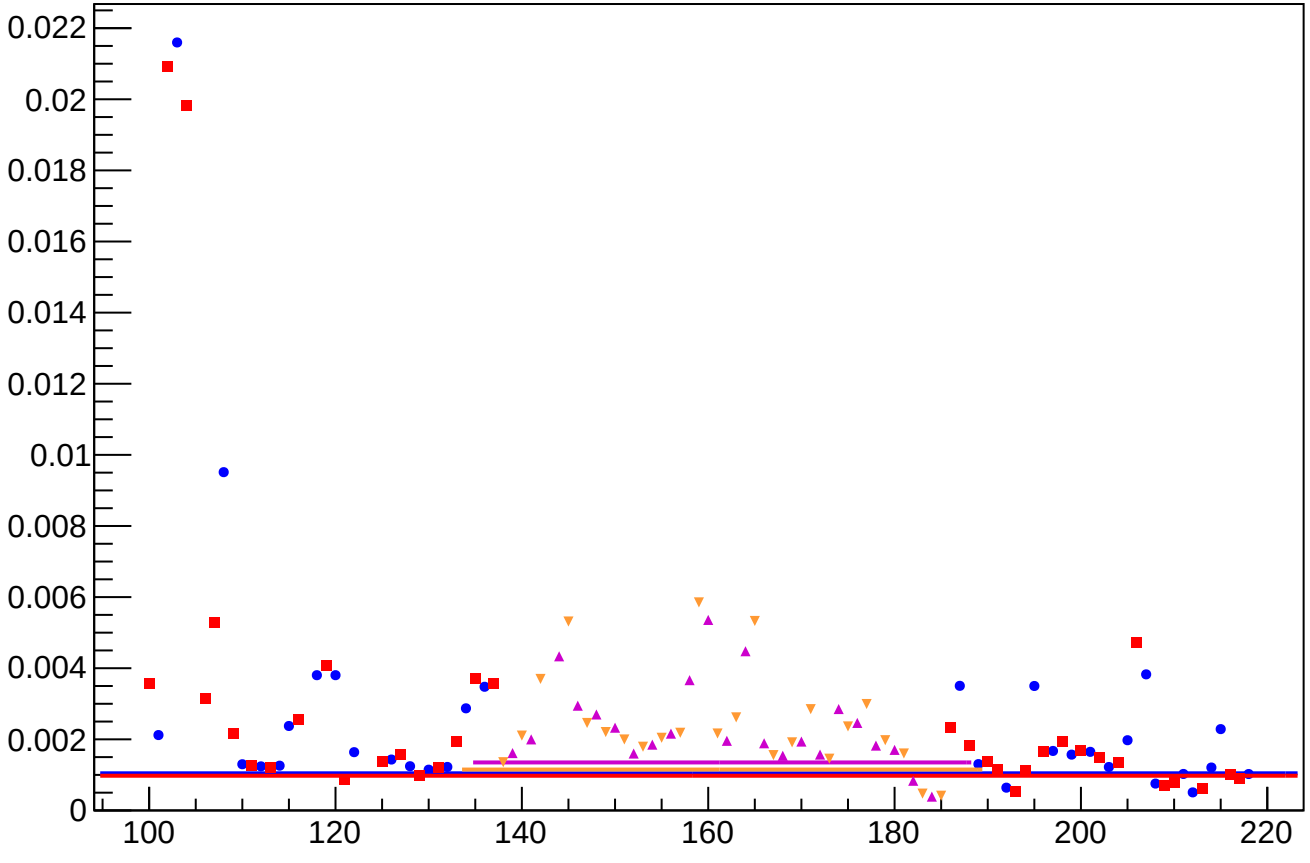
Right: -0.000+/-0.000 χ^2/NDF: 179.8/66

In: -0.000+/-0.000 χ^2/NDF:56.6/54

Out: 0.000+/-0.000 χ^2/NDF:164.6/58

All: -0.000+/-0.000 χ^2/NDF: 243.1/113

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 9872622.0/34

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

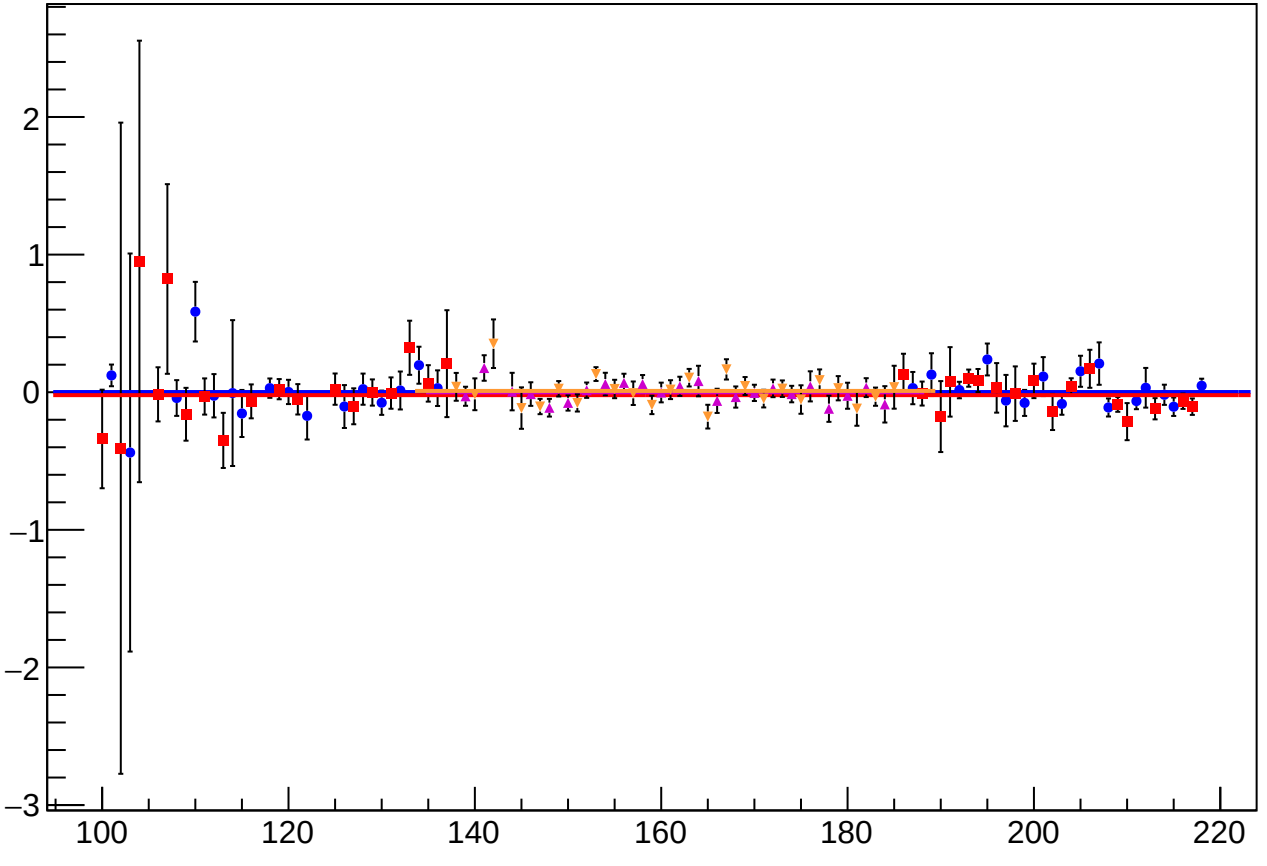
Right: 0.001+/-0.000 χ^2/NDF: 20500891.0/66

In: 0.001+/-0.000 χ^2/NDF:21643076.2/54

Out: 0.001+/-0.000 χ^2/NDF:23441817.4/58

All: 0.001+/-0.000 χ^2/NDF: 45349078.8/113

asym_atl1_eigen_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: -0.021+/-0.018 χ^2/NDF: 30.3/34

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

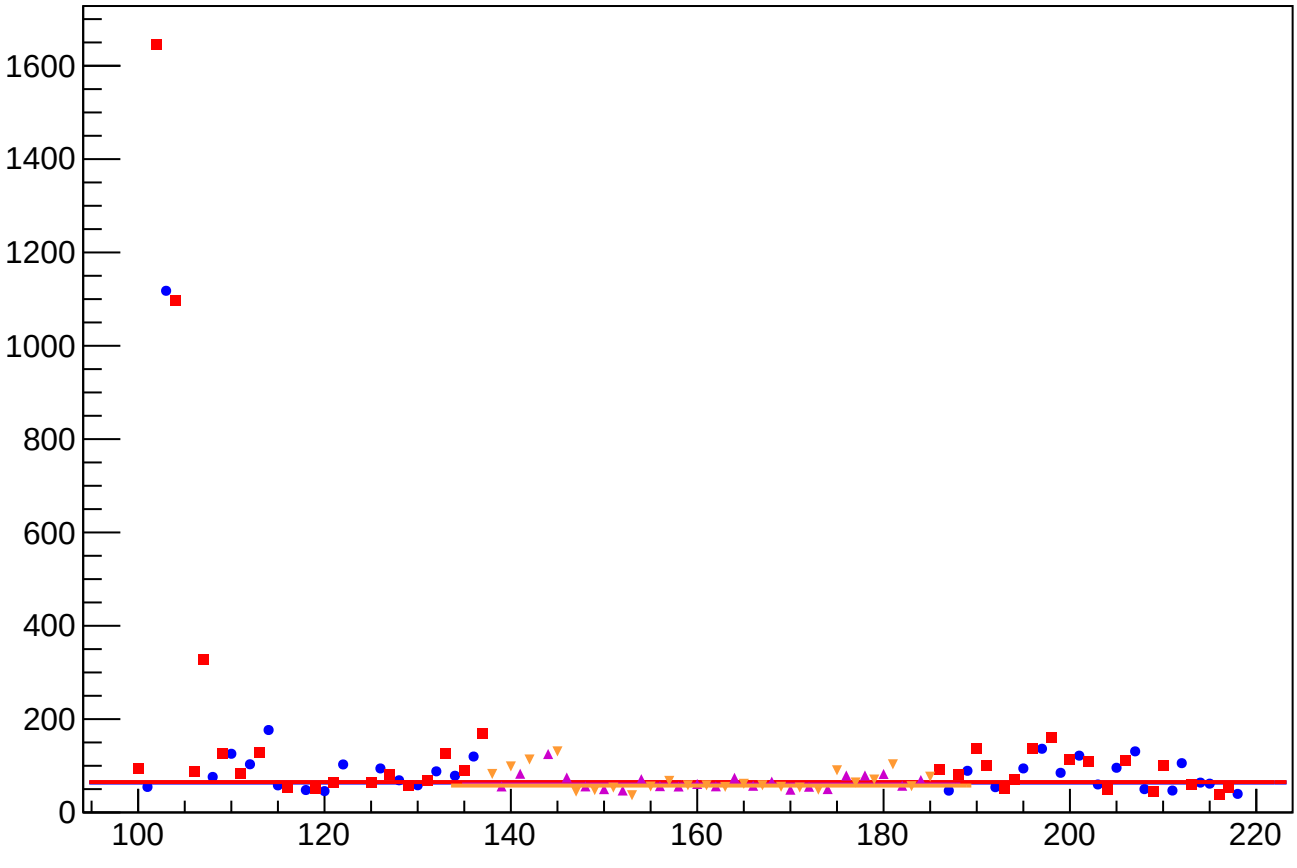
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.010+/-0.012 χ^2/NDF: 65.2/66

In: 0.000+/-0.011 χ^2/NDF:49.7/54

Out: -0.003+/-0.012 χ^2/NDF:66.7/58

All: -0.002+/-0.008 χ^2/NDF: 116.4/113



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: 65.117+/-0.013 χ^2/NDF: 6097346.5/34

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

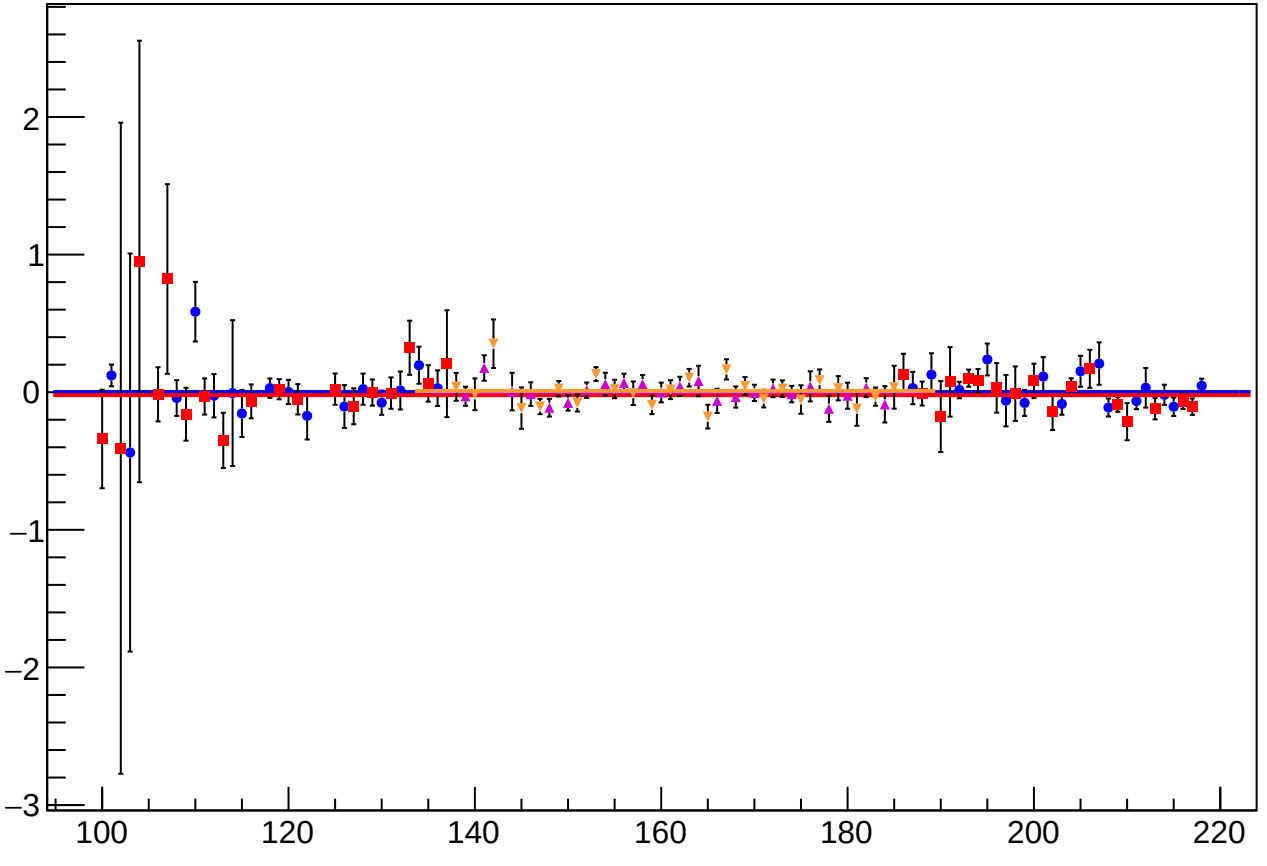
Right: 64.565+/-0.009 χ^2/NDF: 10858701.5/66

In: 61.727+/-0.008 χ^2/NDF:6165196.3/54

Out: 60.751+/-0.008 χ^2/NDF:8517558.3/58

All: 61.240+/-0.006 χ^2/NDF: 14689947.6/113

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: -0.021+/-0.018 χ^2/NDF: 30.3/34

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

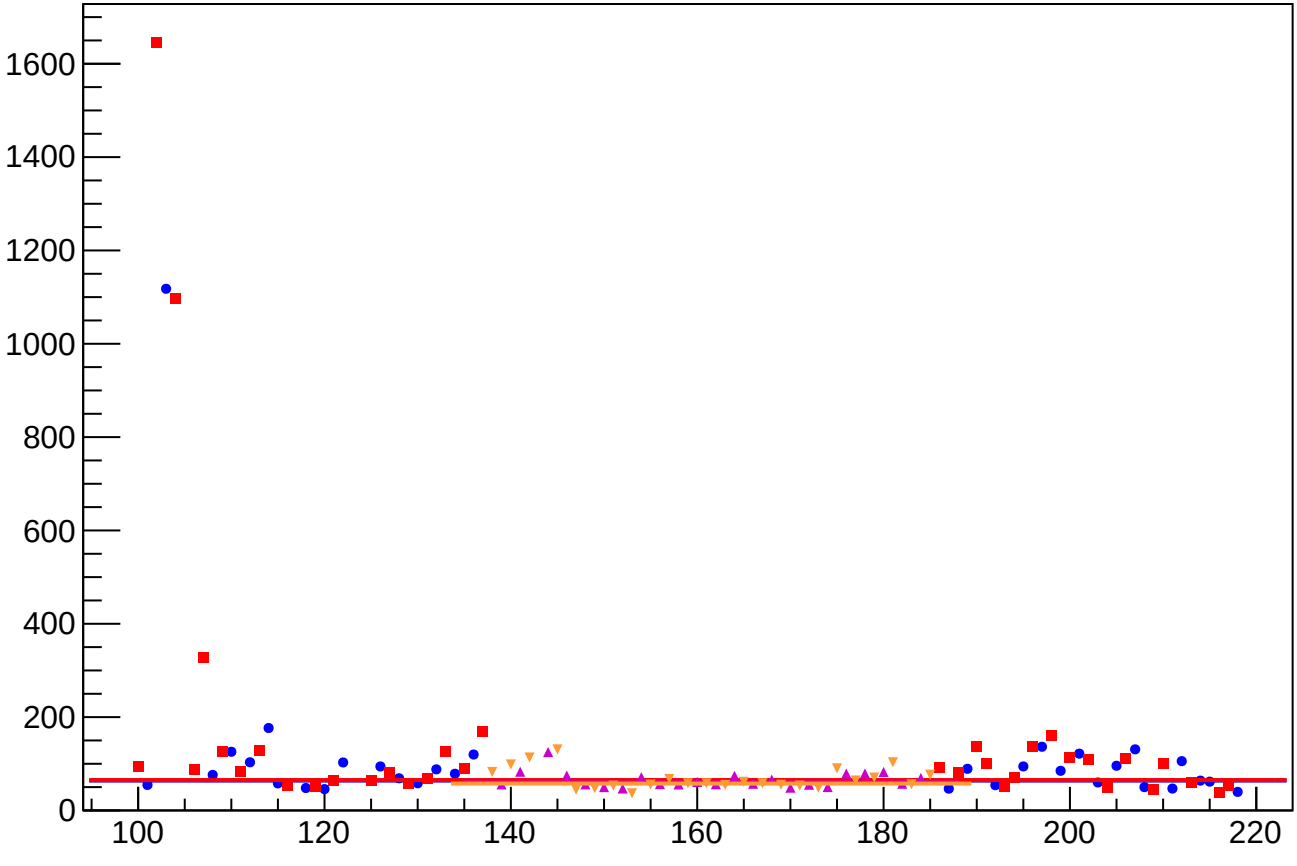
Right: -0.010+/-0.012 χ^2/NDF: 65.2/66

In: 0.000+/-0.011 χ^2/NDF:49.7/54

Out: -0.003+/-0.012 χ^2/NDF:66.7/58

All: -0.002+/-0.008 χ^2/NDF: 116.4/113

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: 65.117+/-0.013 χ^2/NDF: 6097346.5/34

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

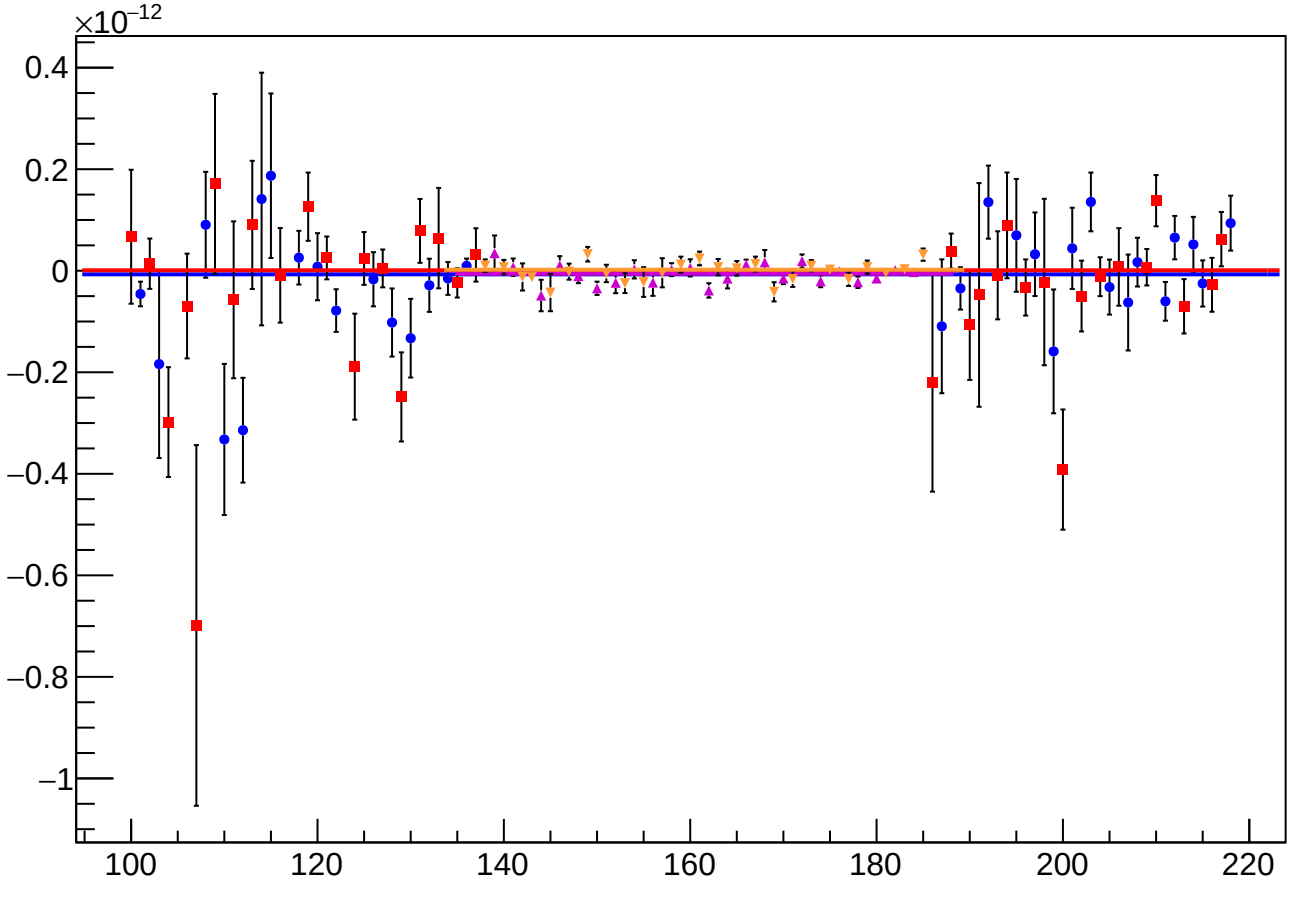
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 64.565+/-0.009 χ^2/NDF: 10858701.5/66

In: 61.727+/-0.008 χ^2/NDF:6165196.3/54

Out: 60.751+/-0.008 χ^2/NDF:8517558.3/58

All: 61.240+/-0.006 χ^2/NDF: 14689947.6/113



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: 59.1/35

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

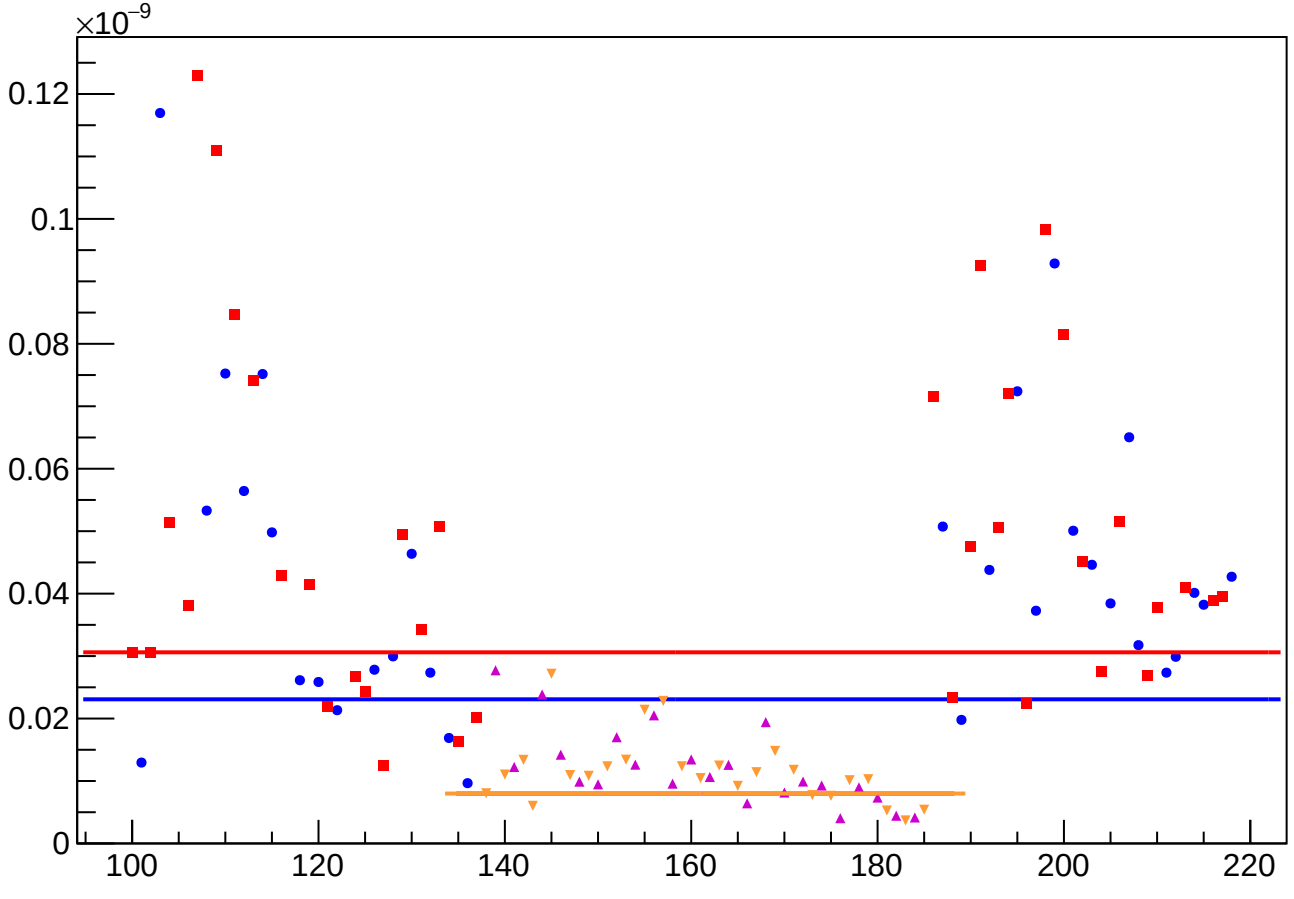
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 112.9/67

In: -0.000+/-0.000 χ^2/NDF:86.0/54

Out: 0.000+/-0.000 χ^2/NDF:91.0/60

All: -0.000+/-0.000 χ^2/NDF: 182.5/115



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: 4574767.9/35

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

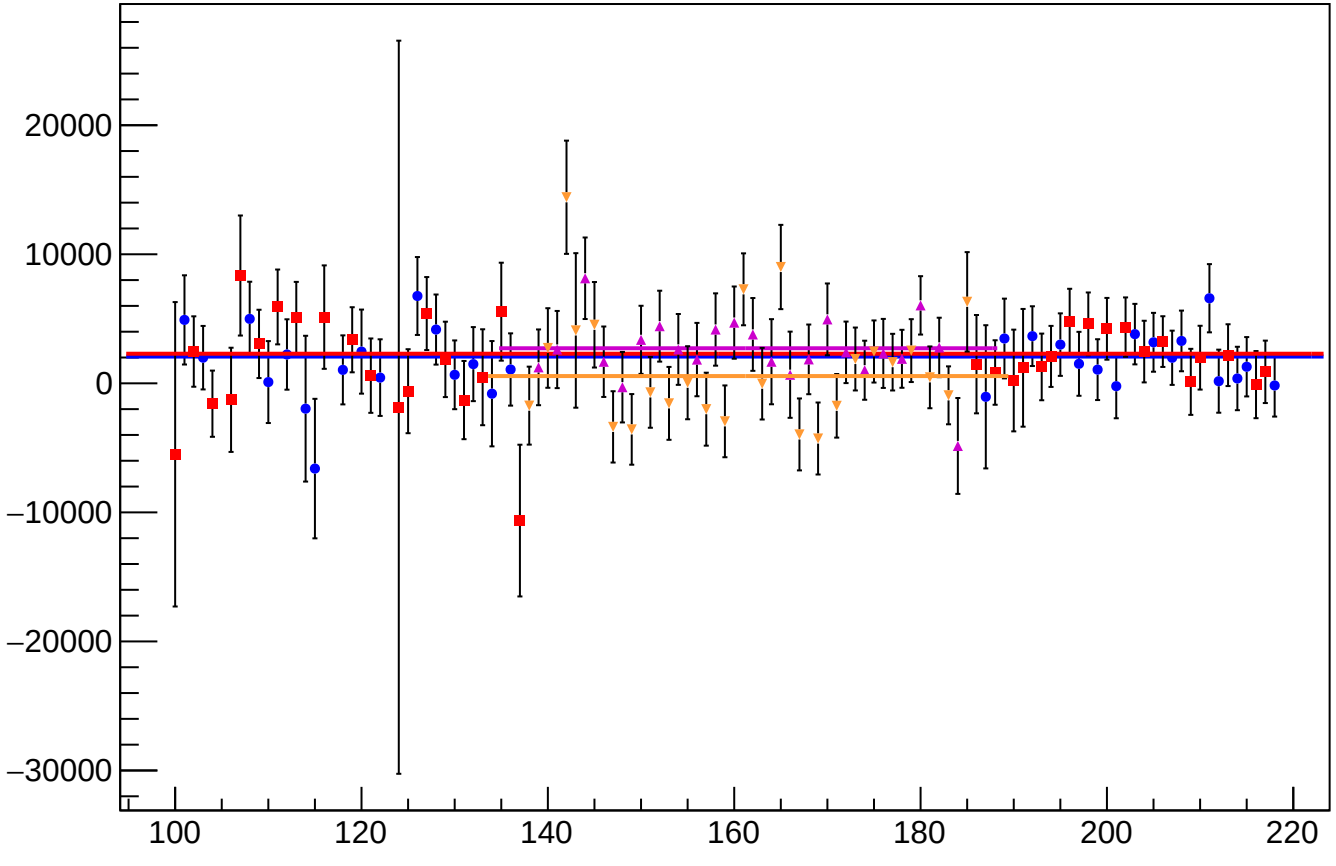
Right: 0.000+/-0.000 χ^2/NDF: 12176055.6/67

In: 0.000+/-0.000 χ^2/NDF:18303102.1/54

Out: 0.000+/-0.000 χ^2/NDF:18948209.0/60

All: 0.000+/-0.000 χ^2/NDF: 37251785.0/115

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: 2293.553+/-479.169 χ^2/NDF: 24.6/35

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

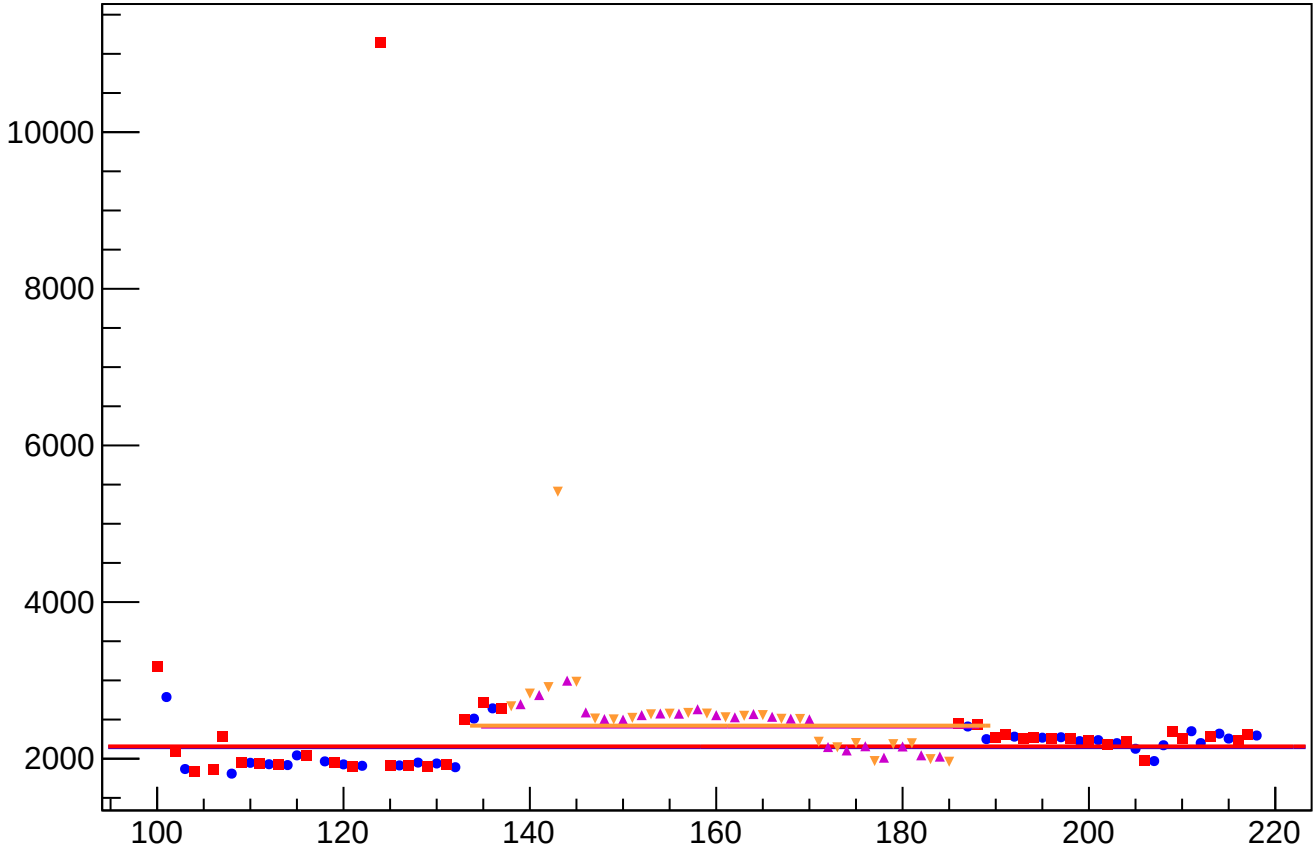
Right: 2184.335+/-339.315 χ^2/NDF: 42.6/67

In: 2343.189+/-366.386 χ^2/NDF:32.9/54

Out: 1557.757+/-363.338 χ^2/NDF:74.1/60

All: 1947.193+/-257.990 χ^2/NDF: 109.3/115

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: 2156.960+/-0.339 χ^2/NDF: 561522.2/35

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

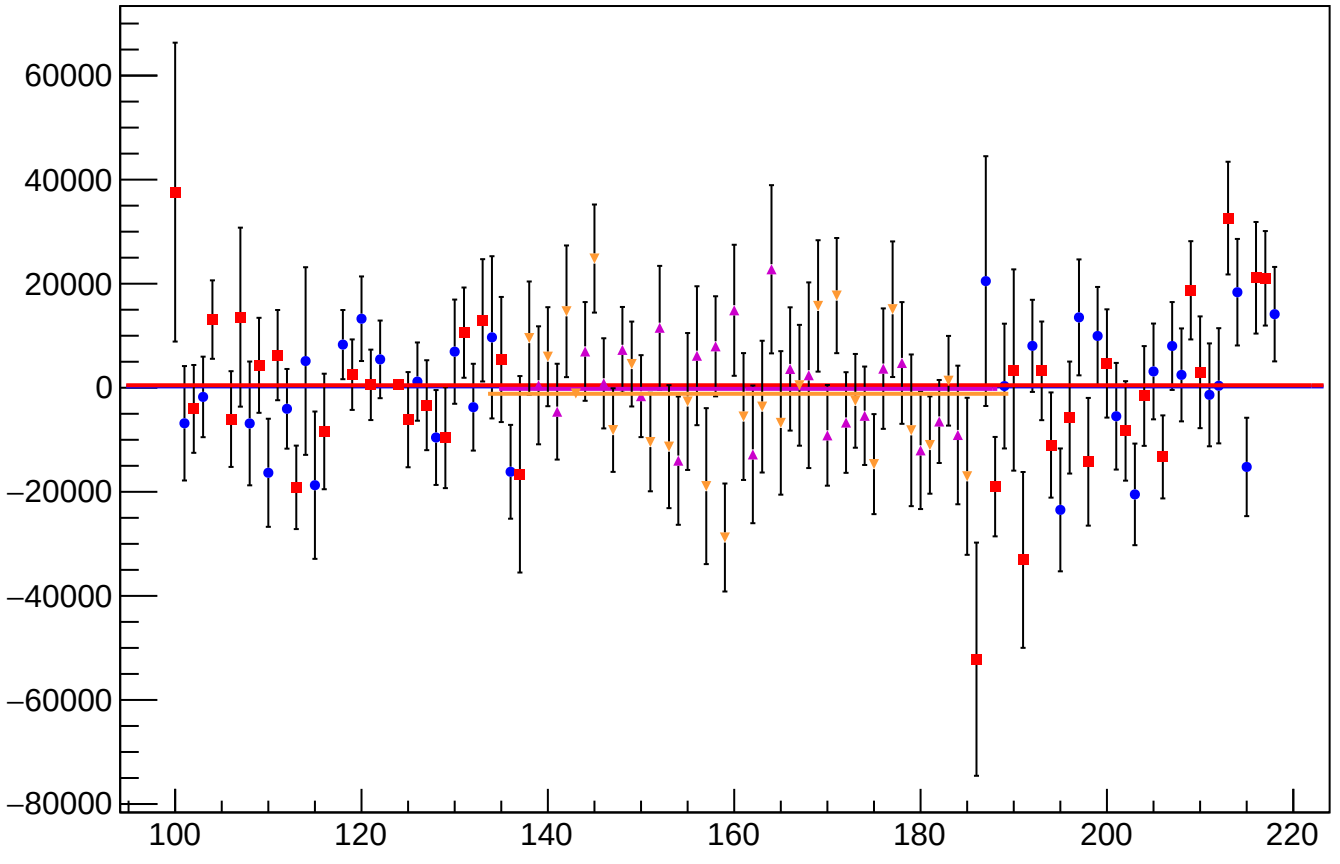
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2152.534+/-0.240 χ^2/NDF: 947622.5/67

In: 2257.680+/-0.259 χ^2/NDF:1062548.0/54

Out: 2269.674+/-0.257 χ^2/NDF:1774750.9/60

All: 2263.727+/-0.182 χ^2/NDF: 2838379.6/11



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: 480.926+/-736.119 χ^2/NDF: 60.7/35

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

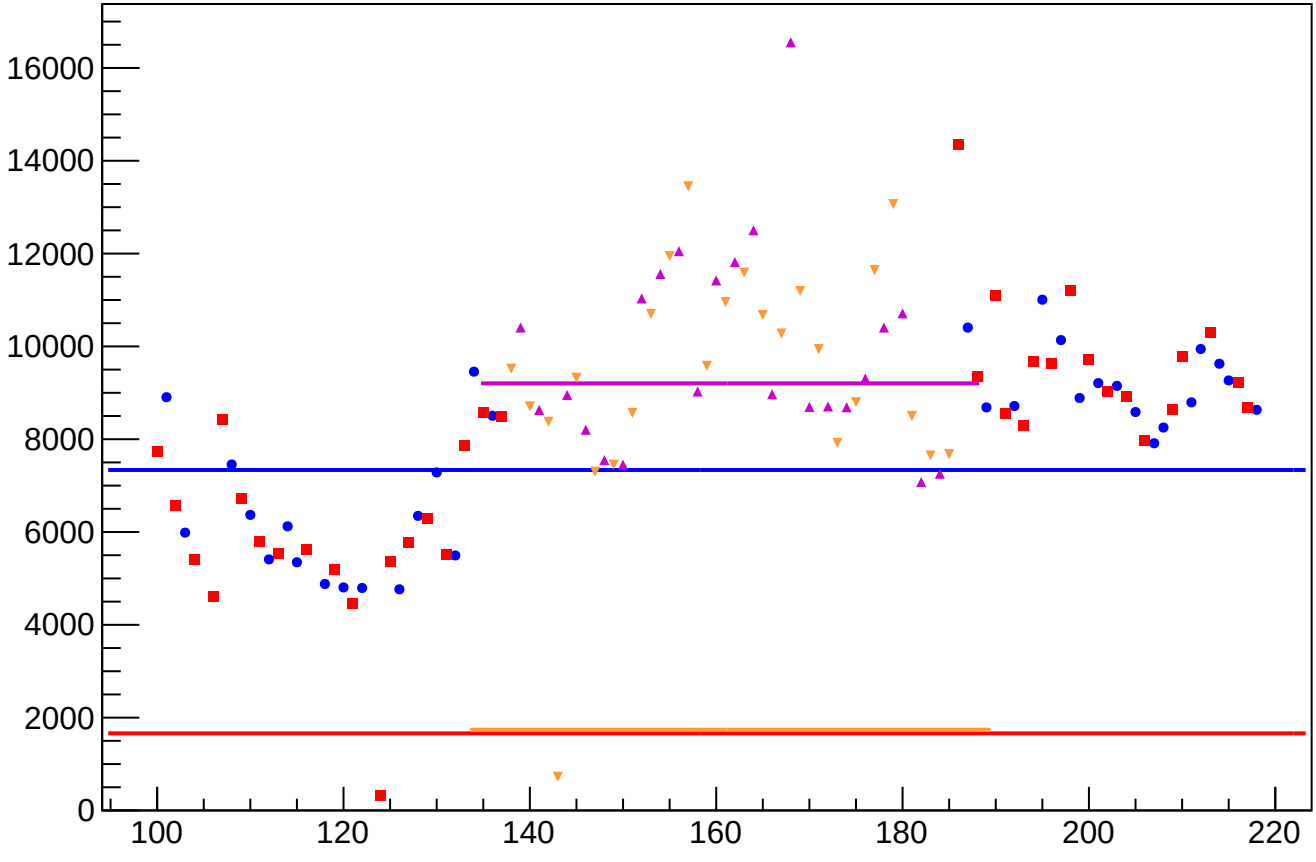
Right: 445.039+/-674.869 χ^2/NDF: 98.3/67

In: 82.665+/-1339.026 χ^2/NDF:51.1/54

Out: -314.864+/-528.012 χ^2/NDF:95.0/60

All: -261.369+/-491.202 χ^2/NDF: 146.2/115

asym_atl2_reg_correction_rms vs Slug, Sign Corrected



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: 1661.855+/-0.521 χ^2/NDF: 30744641.1/35

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

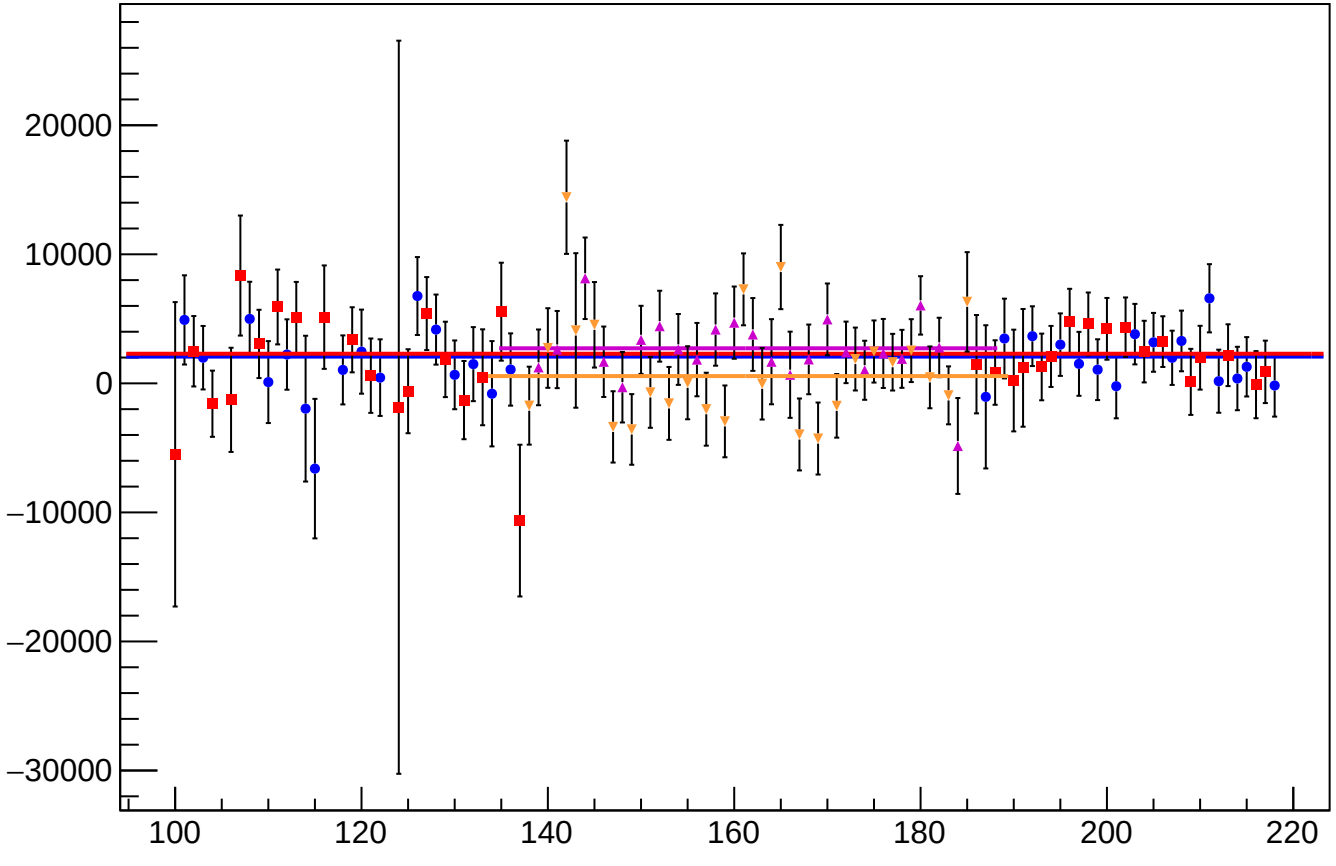
Right: 2566.990+/-0.477 χ^2/NDF: 52184059.7/67

In: 8031.666+/-0.947 χ^2/NDF:4660317.3/54

Out: 1699.644+/-0.373 χ^2/NDF:58489543.6/60

All: 2551.734+/-0.347 χ^2/NDF: 101855081.5

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: 2294.277+/-479.171 χ^2/NDF: 24.6/35

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

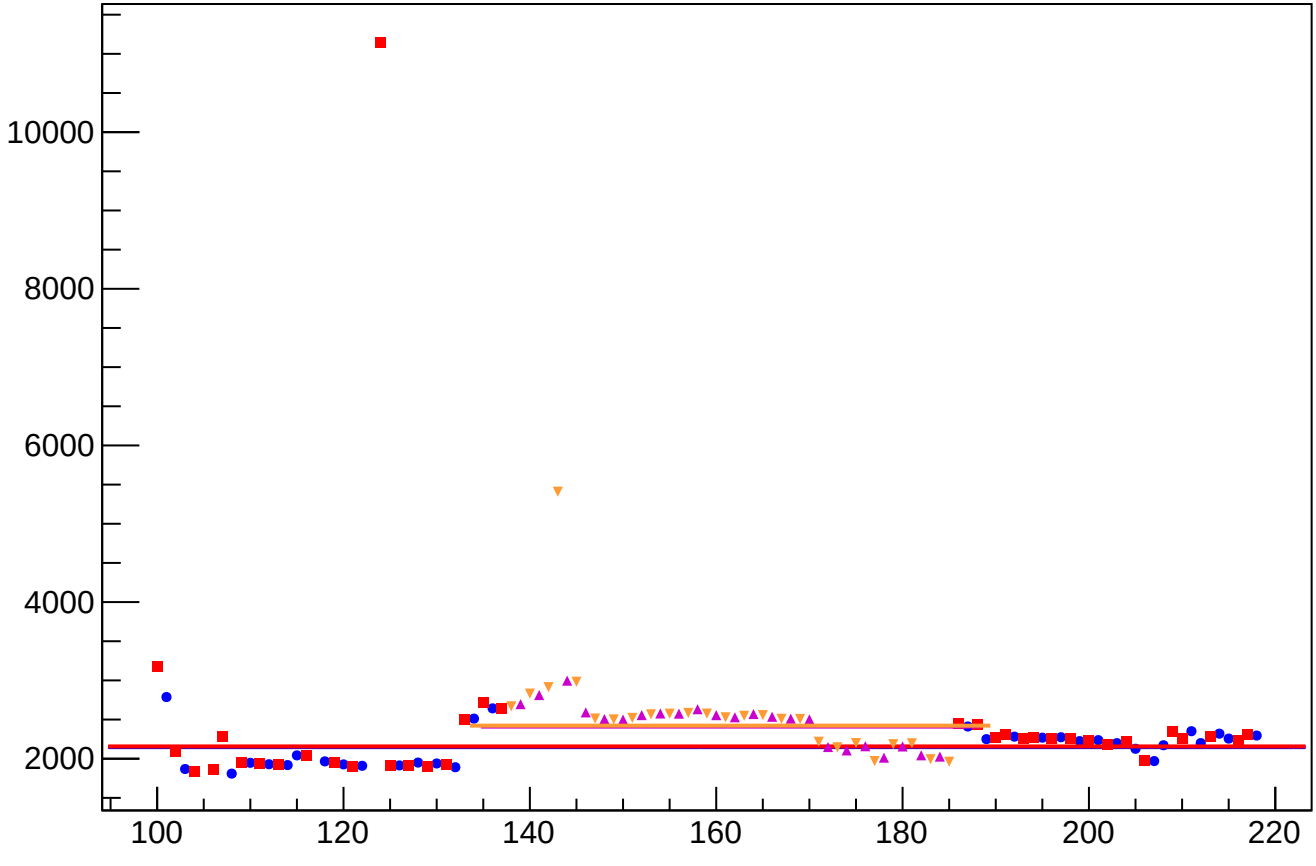
Right: 2184.682+/-339.316 χ^2/NDF: 42.6/67

In: 2343.155+/-366.386 χ^2/NDF:32.9/54

Out: 1558.171+/-363.339 χ^2/NDF:74.1/60

All: 1947.385+/-257.990 χ^2/NDF: 109.3/115

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: 2156.970+/-0.339 χ^2/NDF: 561512.2/35

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

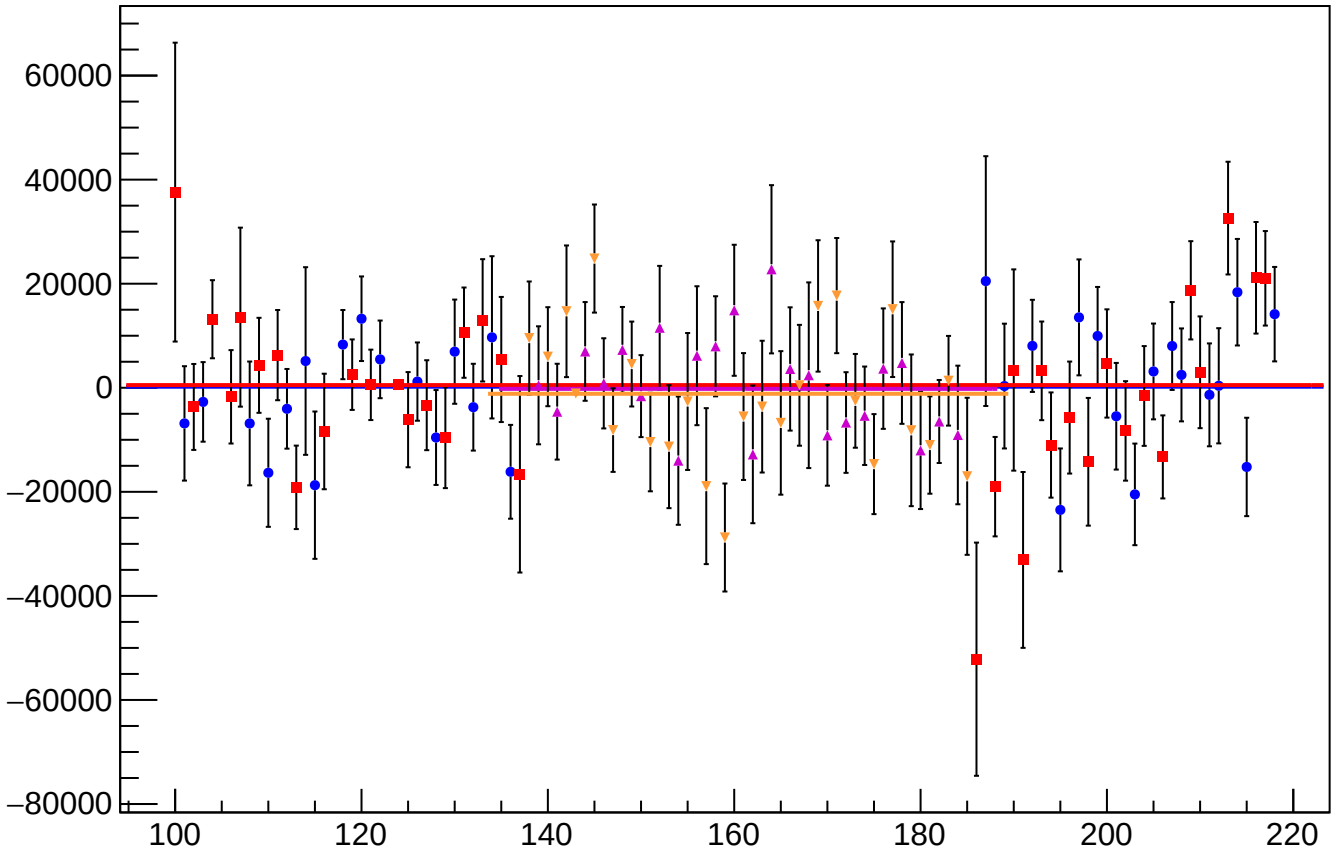
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2152.539+/-0.240 χ^2/NDF: 947613.2/67

In: 2257.680+/-0.259 χ^2/NDF:1062548.0/54

Out: 2269.680+/-0.257 χ^2/NDF:1774720.9/60

All: 2263.730+/-0.182 χ^2/NDF: 2838350.8/11



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: 511.526+/-735.821 χ^2/NDF: 60.3/35

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

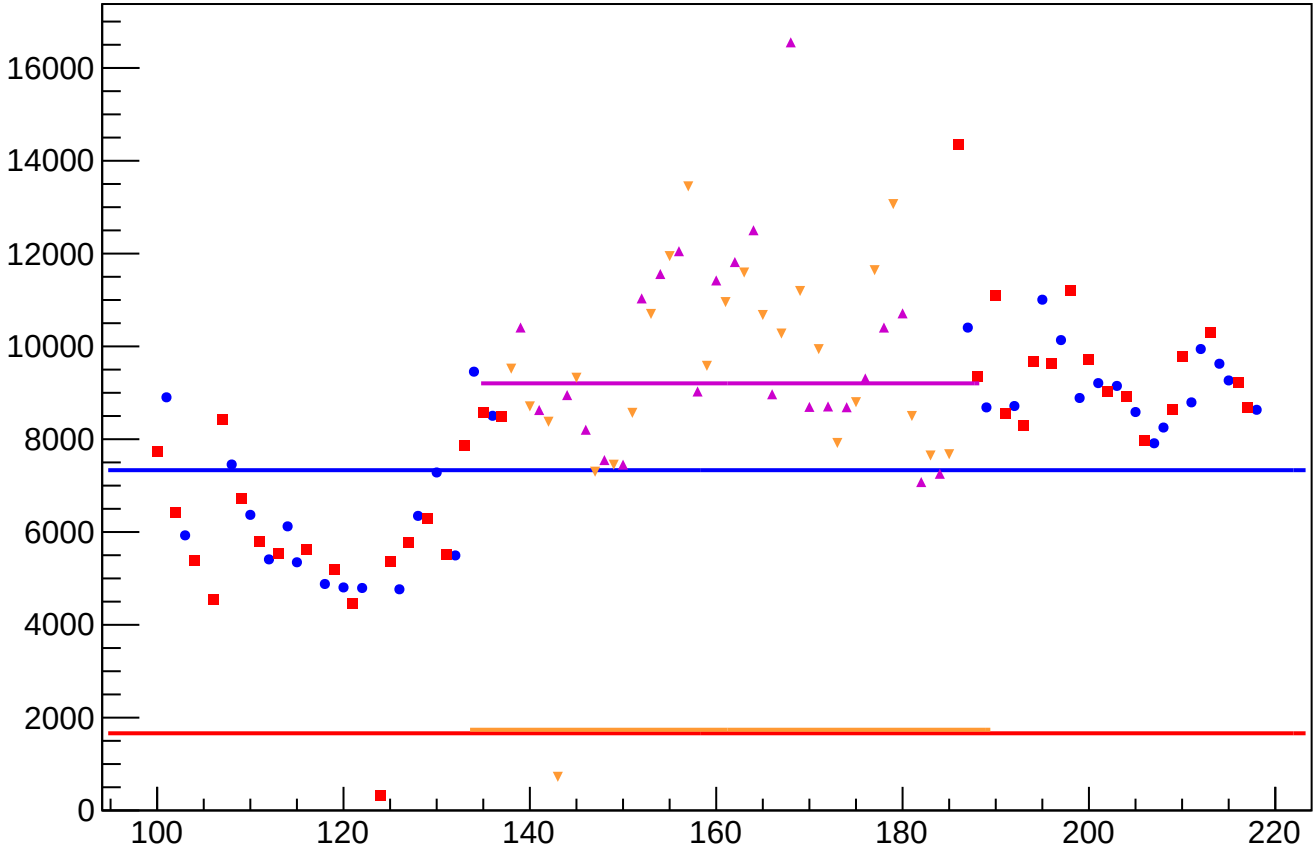
Right: 462.842+/-674.578 χ^2/NDF: 98.0/67

In: 51.723+/-1338.547 χ^2/NDF:51.1/54

Out: -298.737+/-527.880 χ^2/NDF:94.7/60

All: -251.567+/-491.072 χ^2/NDF: 145.9/115

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: 1662.891+/-0.520 χ^2/NDF: 30734230.0/35

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

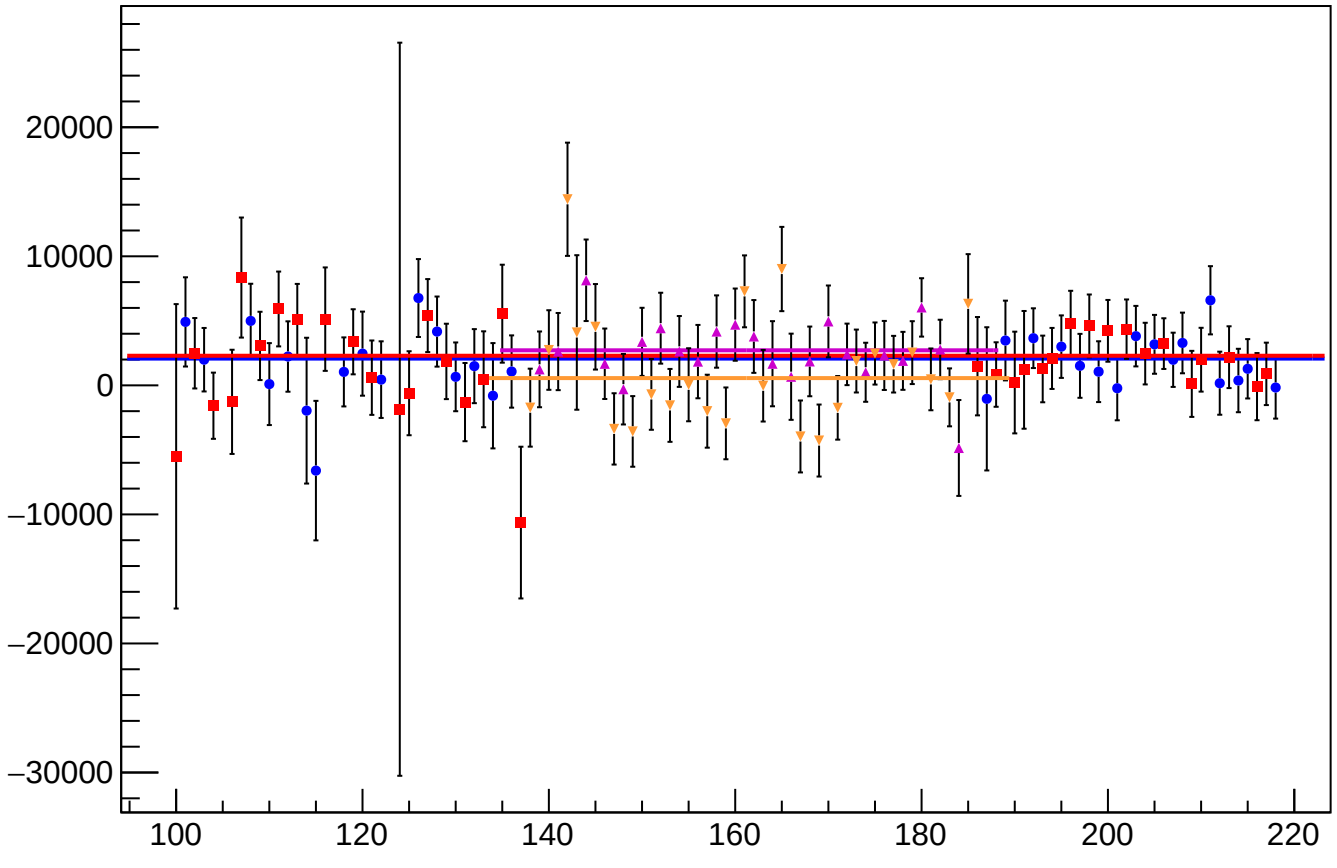
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 2567.405+/-0.477 χ^2/NDF: 52164692.7/67

In: 8028.397+/-0.946 χ^2/NDF:4671855.9/54

Out: 1700.051+/-0.373 χ^2/NDF:58479832.1/60

All: 2551.805+/-0.347 χ^2/NDF: 101838519.7



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: 2294.277+/-479.171 χ^2/NDF: 24.6/35

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

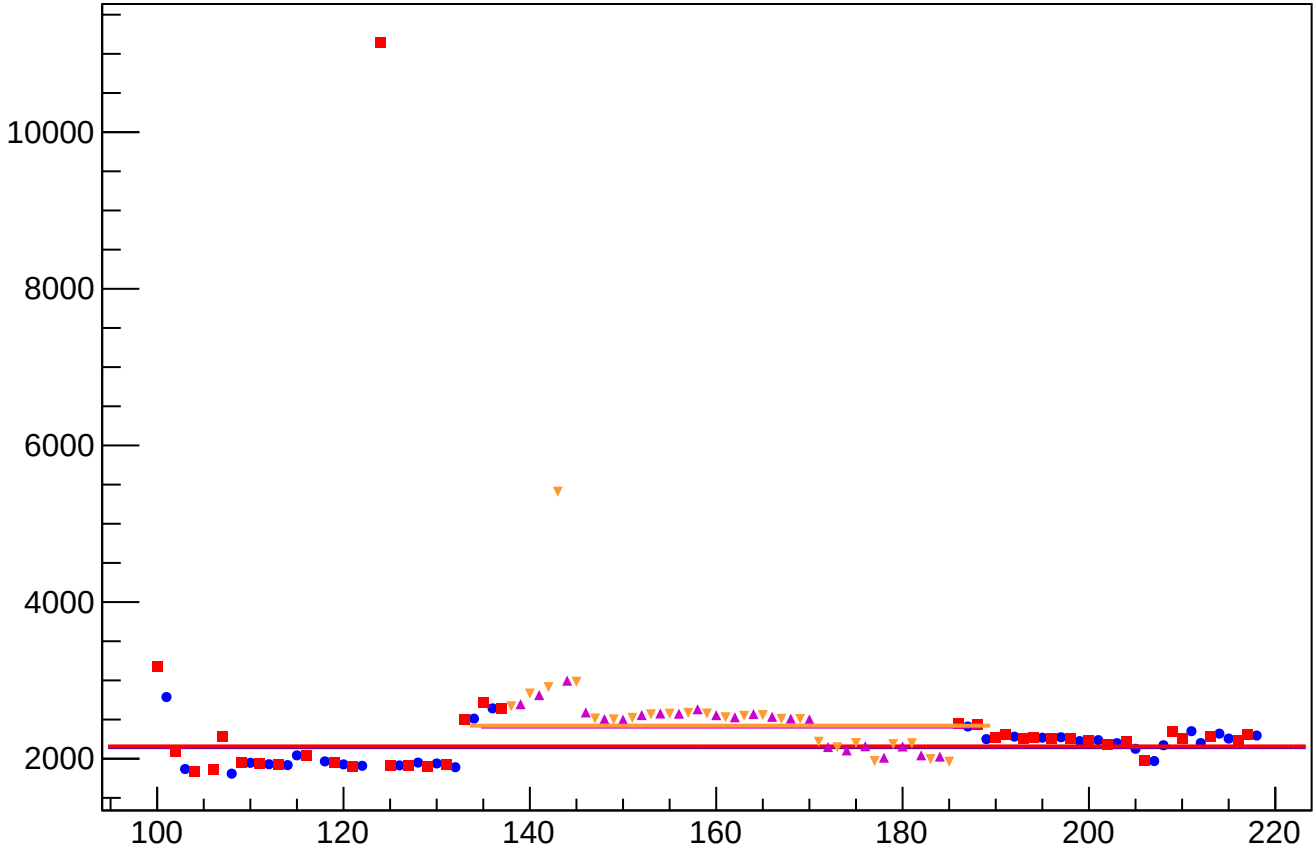
Right: 2184.682+/-339.316 χ^2/NDF: 42.6/67

In: 2343.155+/-366.386 χ^2/NDF:32.9/54

Out: 1558.171+/-363.339 χ^2/NDF:74.1/60

All: 1947.385+/-257.990 χ^2/NDF: 109.3/115

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: 2156.970+/-0.339 χ^2/NDF: 561512.2/35

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

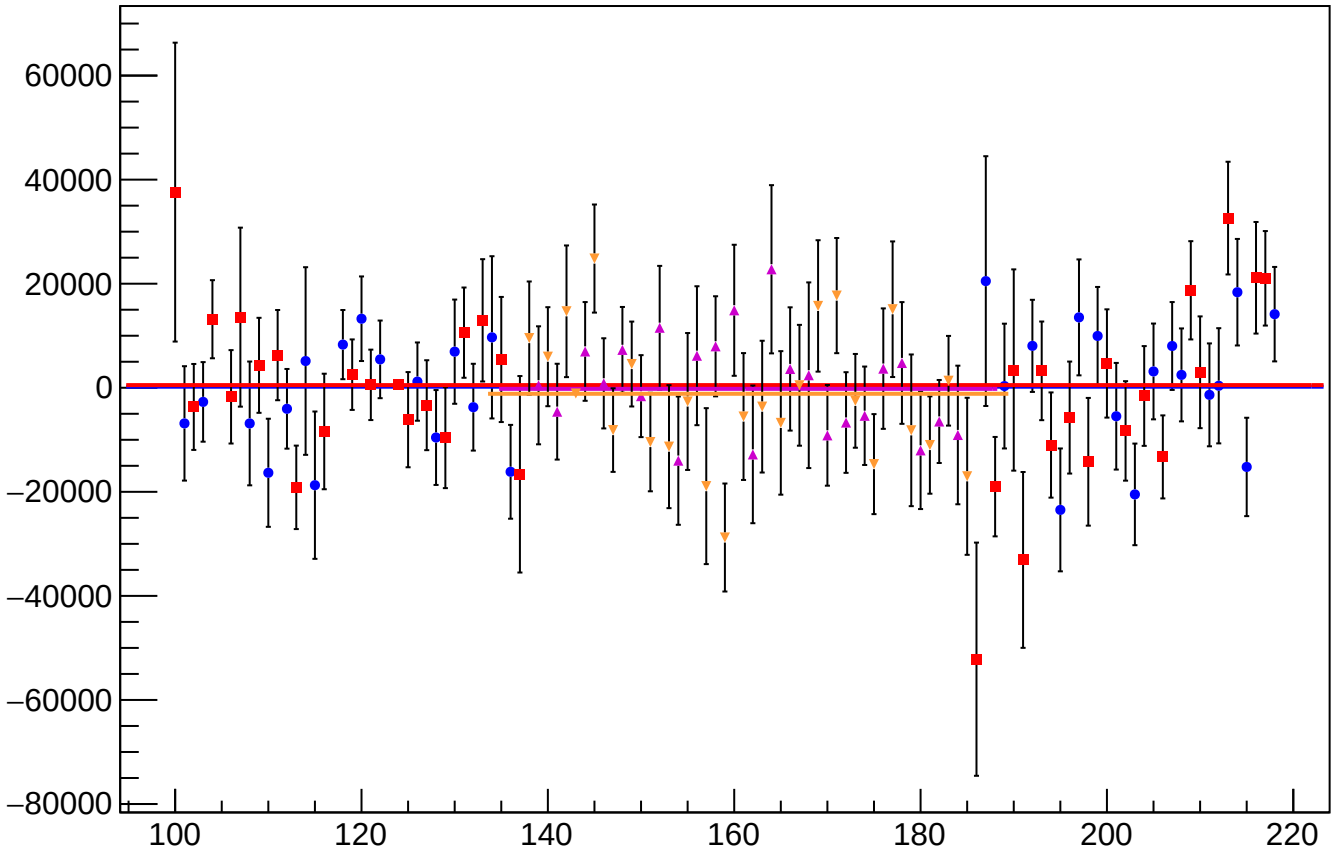
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2152.539+/-0.240 χ^2/NDF: 947613.2/67

In: 2257.680+/-0.259 χ^2/NDF:1062548.0/54

Out: 2269.680+/-0.257 χ^2/NDF:1774720.9/60

All: 2263.730+/-0.182 χ^2/NDF: 2838350.8/11



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: 511.526+/-735.821 χ^2/NDF: 60.3/35

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

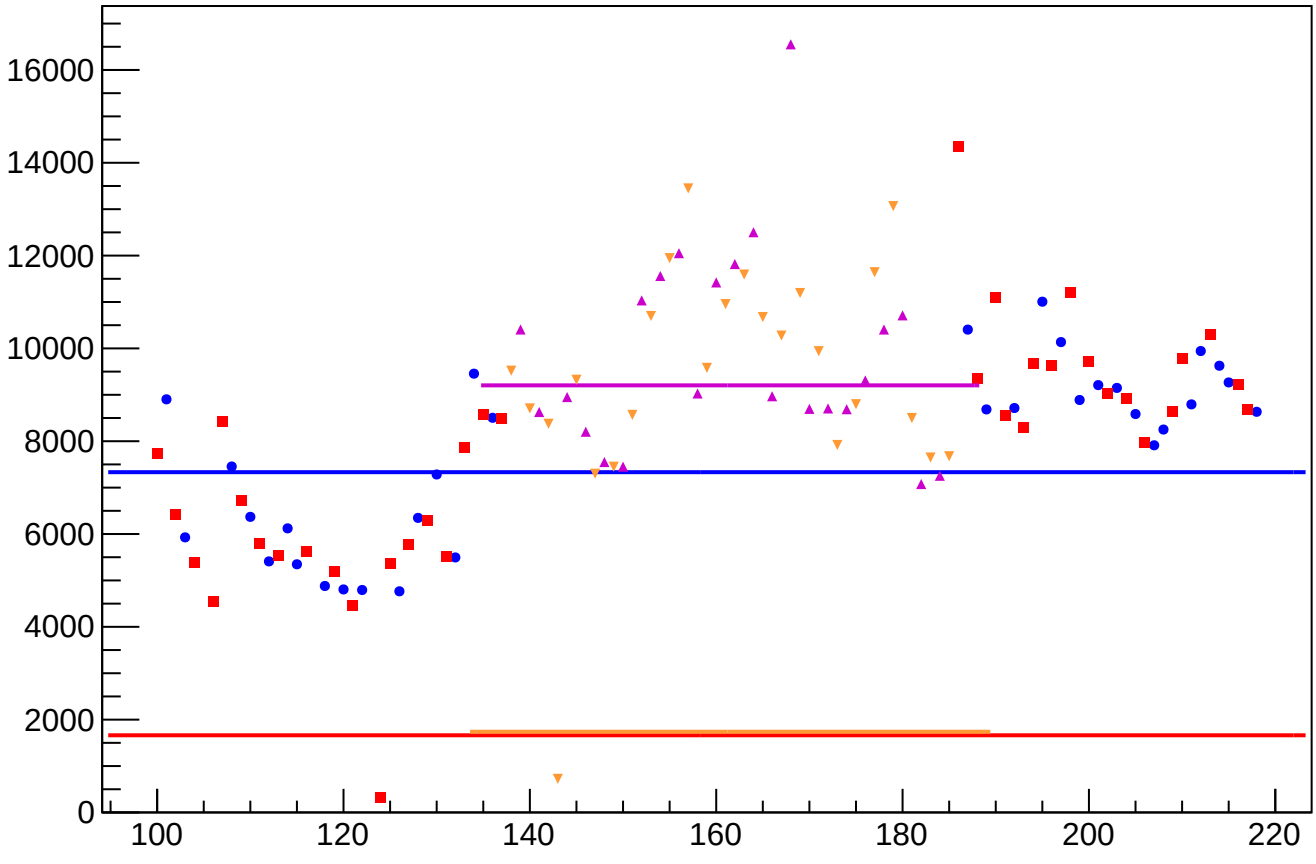
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 462.842+/-674.578 χ^2/NDF: 98.0/67

In: 51.723+/-1338.547 χ^2/NDF:51.1/54

Out: -298.737+/-527.880 χ^2/NDF:94.7/60

All: -251.567+/-491.072 χ^2/NDF: 145.9/115



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: 1662.891+/-0.520 χ^2/NDF: 30734230.0/35

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

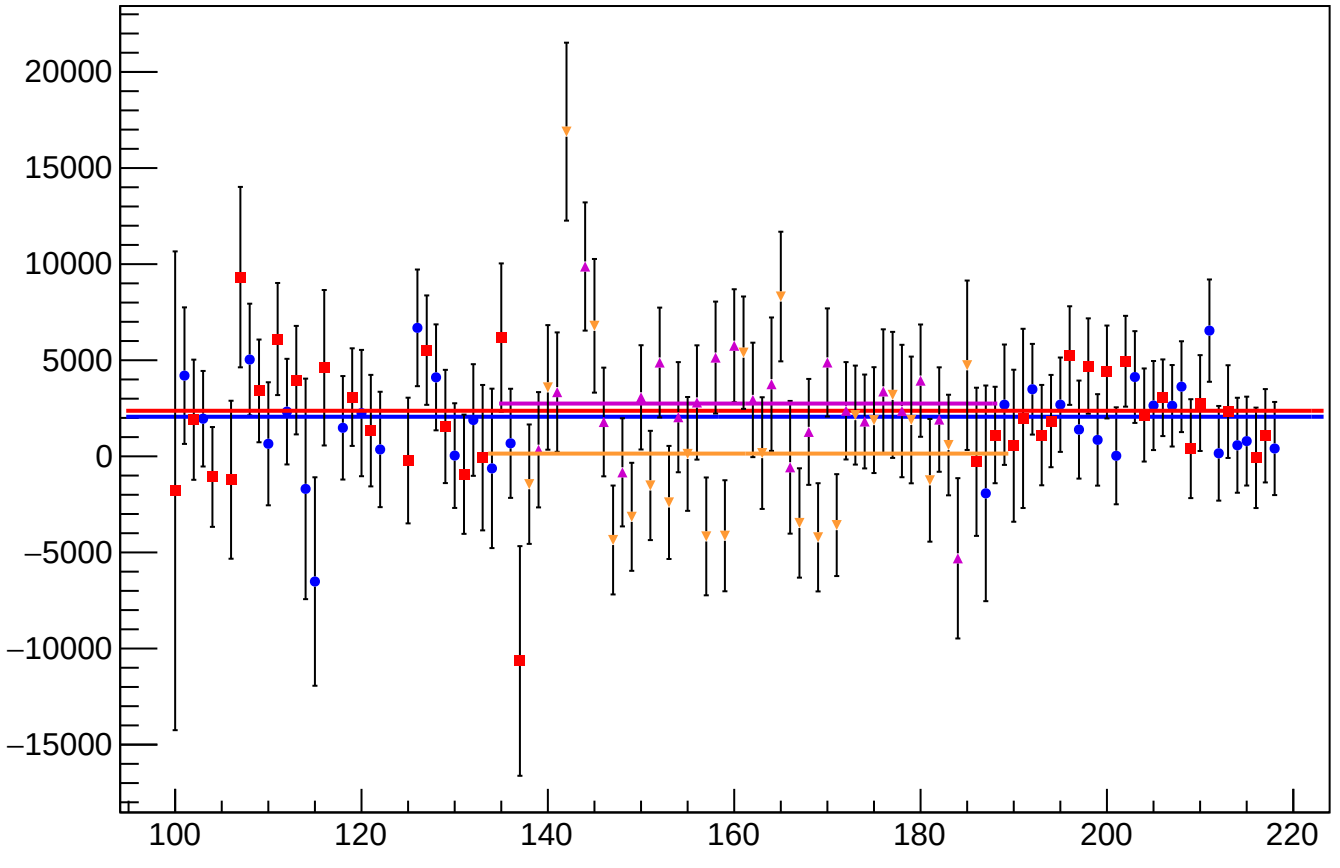
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 2567.405+/-0.477 χ^2/NDF: 52164692.7/67

In: 8028.397+/-0.946 χ^2/NDF:4671855.9/54

Out: 1700.051+/-0.373 χ^2/NDF:58479832.1/60

All: 2551.805+/-0.347 χ^2/NDF: 101838519.7



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: 2370.725+/-486.599 χ^2/NDF: 23.8/34

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

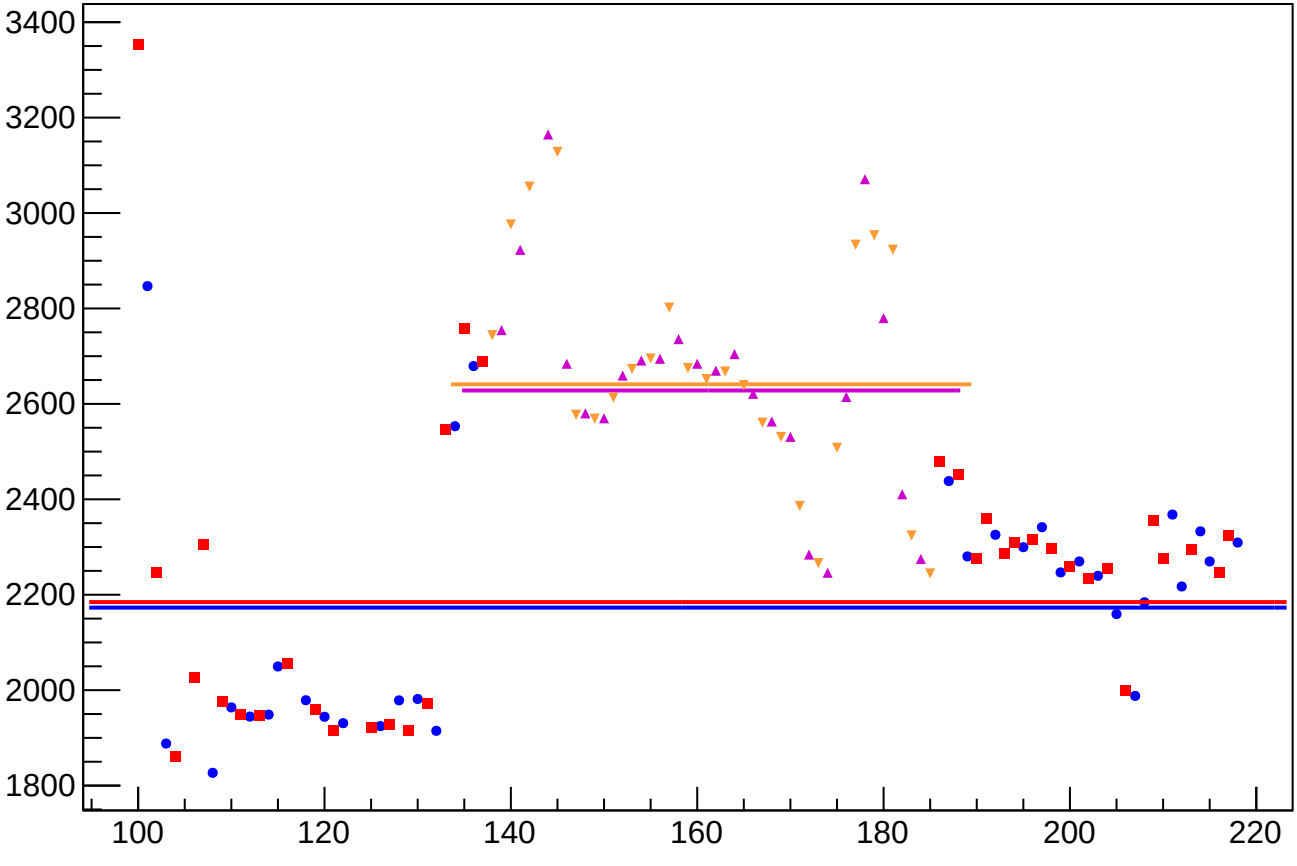
Right: 2214.959+/-343.981 χ^2/NDF: 40.9/66

In: 2322.942+/-381.736 χ^2/NDF:33.0/54

Out: 1514.103+/-381.773 χ^2/NDF:77.7/58

All: 1918.562+/-269.941 χ^2/NDF: 113.0/113

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: 2184.598+/-0.344 χ^2/NDF: 361649.8/34

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

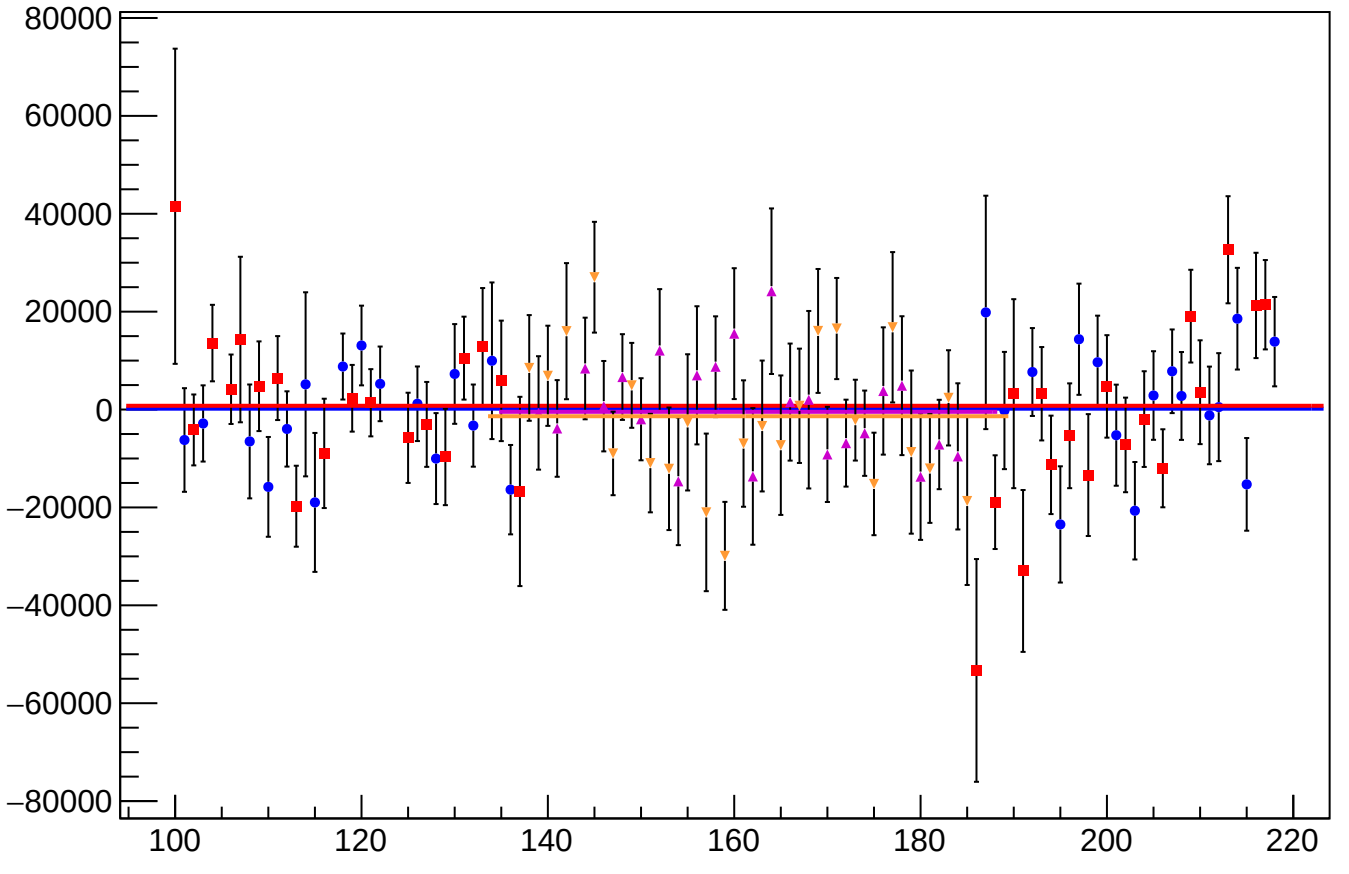
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2178.811+/-0.243 χ^2/NDF: 758413.6/66

In: 2347.722+/-0.270 χ^2/NDF:1305996.2/54

Out: 2359.924+/-0.270 χ^2/NDF:1291750.8/58

All: 2353.824+/-0.191 χ^2/NDF: 2598769.0/11



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: 769.822+/-1651.949 χ^2/NDF: 60.1/34

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

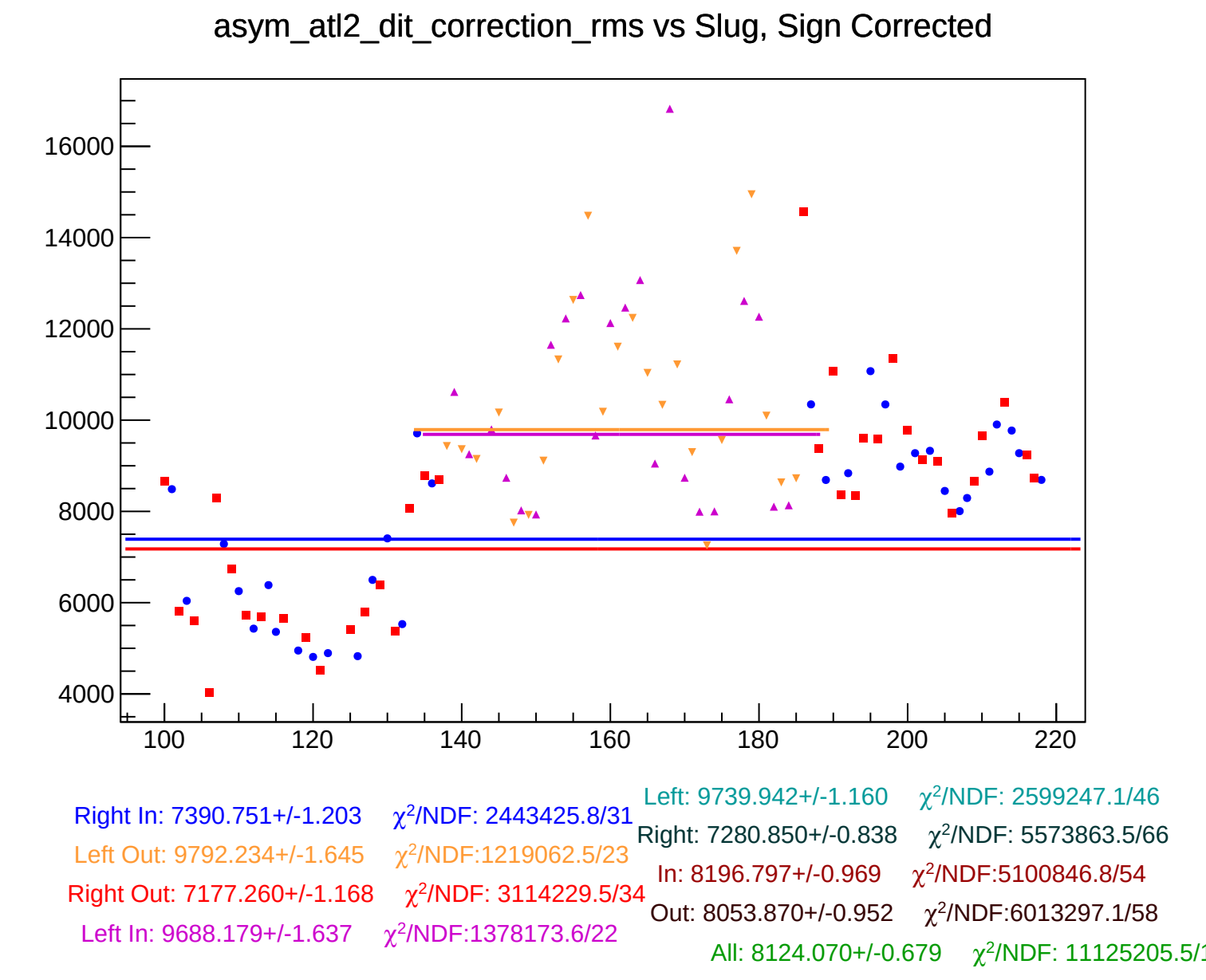
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

Right: 481.682+/-1185.244 χ^2/NDF: 97.3/66

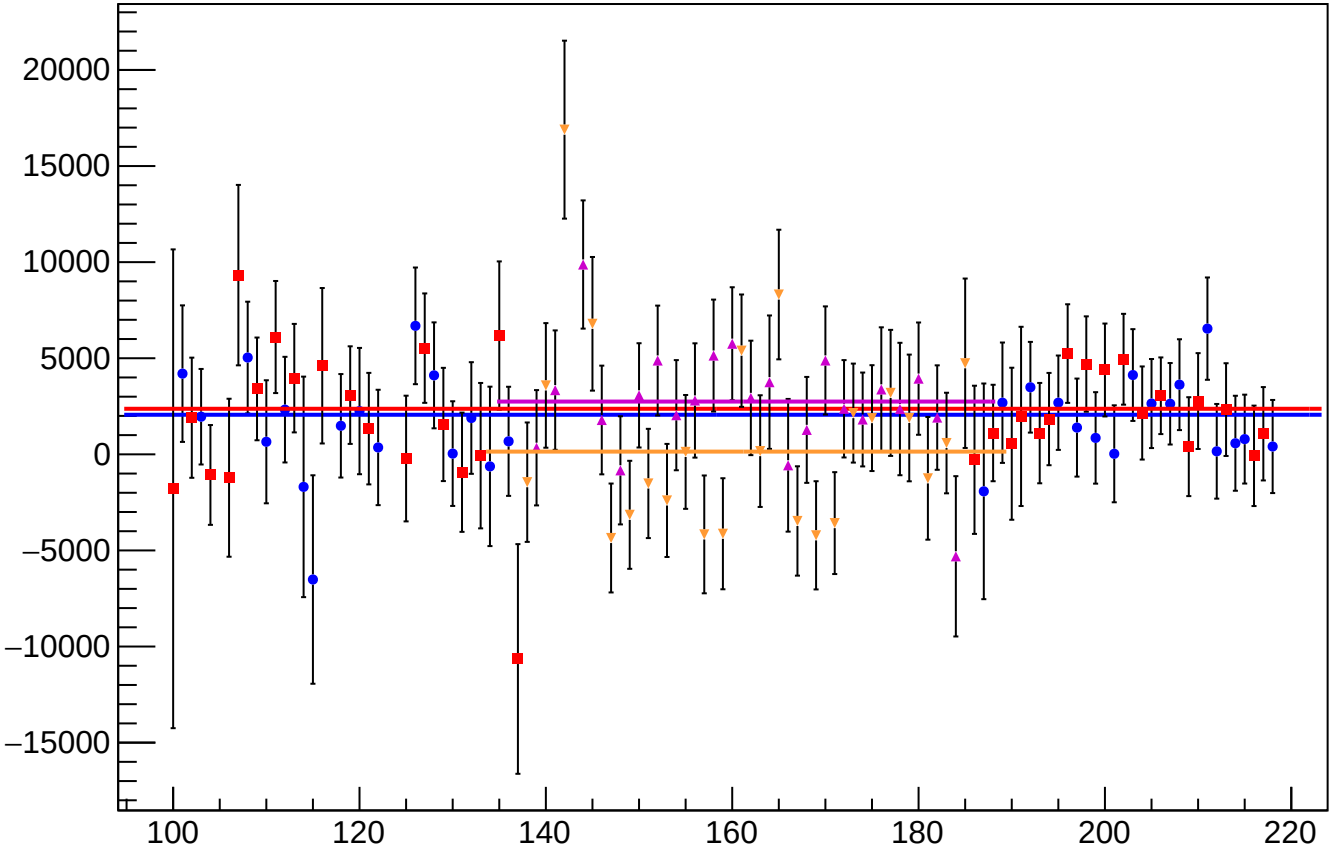
In: -48.472+/-1370.920 χ^2/NDF:50.3/54

Out: 53.555+/-1346.893 χ^2/NDF:91.9/58

All: 3.444+/-960.780 χ^2/NDF: 142.2/113


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: 7177.260+/-1.168 χ²/NDF: 3114229.5/34
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
Left: 9739.942+/-1.160 χ²/NDF: 2599247.1/46
Right: 7280.850+/-0.838 χ²/NDF: 5573863.5/66
In: 8196.797+/-0.969 χ²/NDF:5100846.8/54
Out: 8053.870+/-0.952 χ²/NDF:6013297.1/58
All: 8124.070+/-0.679 χ²/NDF: 11125205.5/1

eigen_dit_asym_atl2_mean vs Slug, Sign Corrected



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: 2370.722+/-486.599 χ^2/NDF: 23.8/34

Left In: 2745.980+/-616.124 χ^2/NDF:15.4/22

Left: 1443.405+/-435.527 χ^2/NDF: 70.2/46

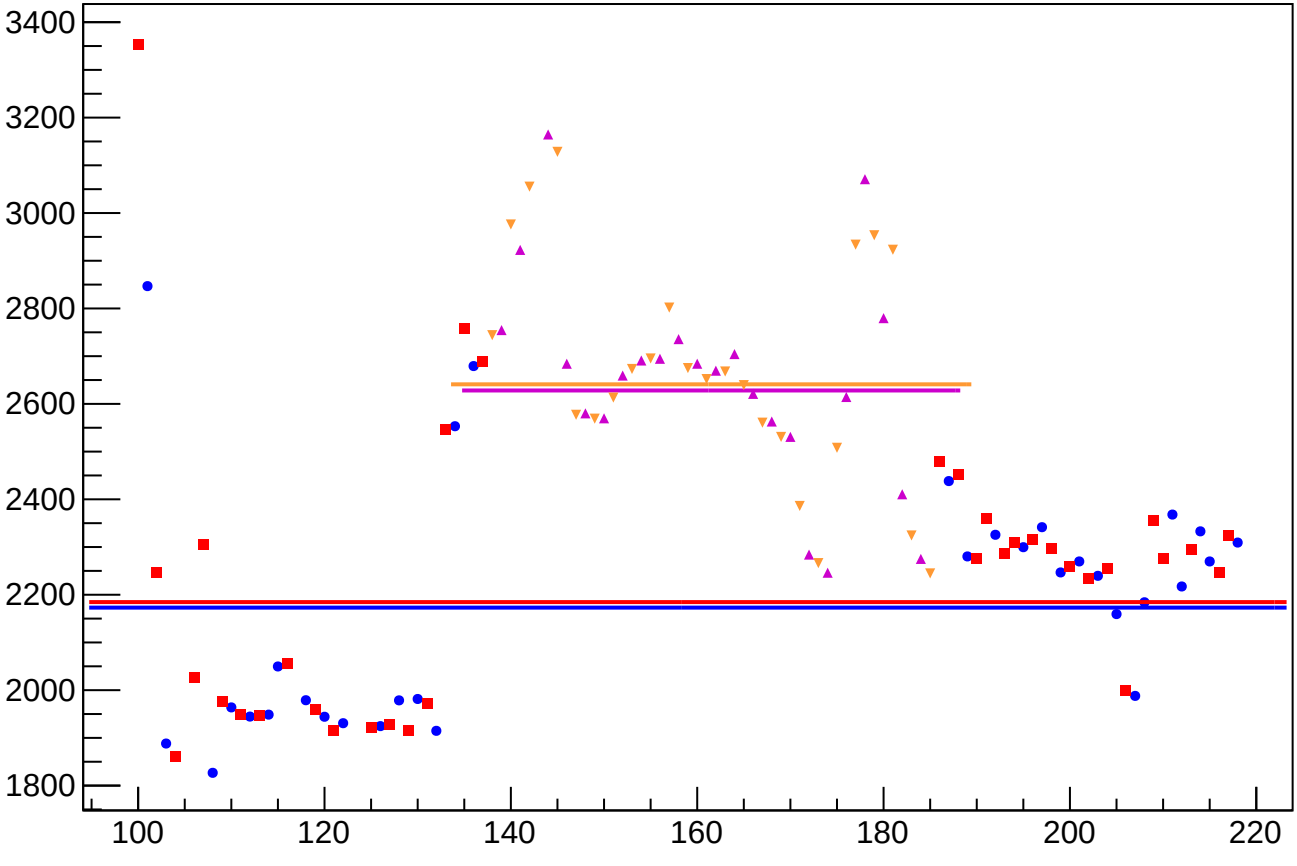
Right: 2214.960+/-343.981 χ^2/NDF: 40.9/66

In: 2322.943+/-381.736 χ^2/NDF:33.0/54

Out: 1514.099+/-381.774 χ^2/NDF:77.7/58

All: 1918.561+/-269.942 χ^2/NDF: 113.0/113

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: 2184.598+/-0.344 χ^2/NDF: 361650.4/34

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

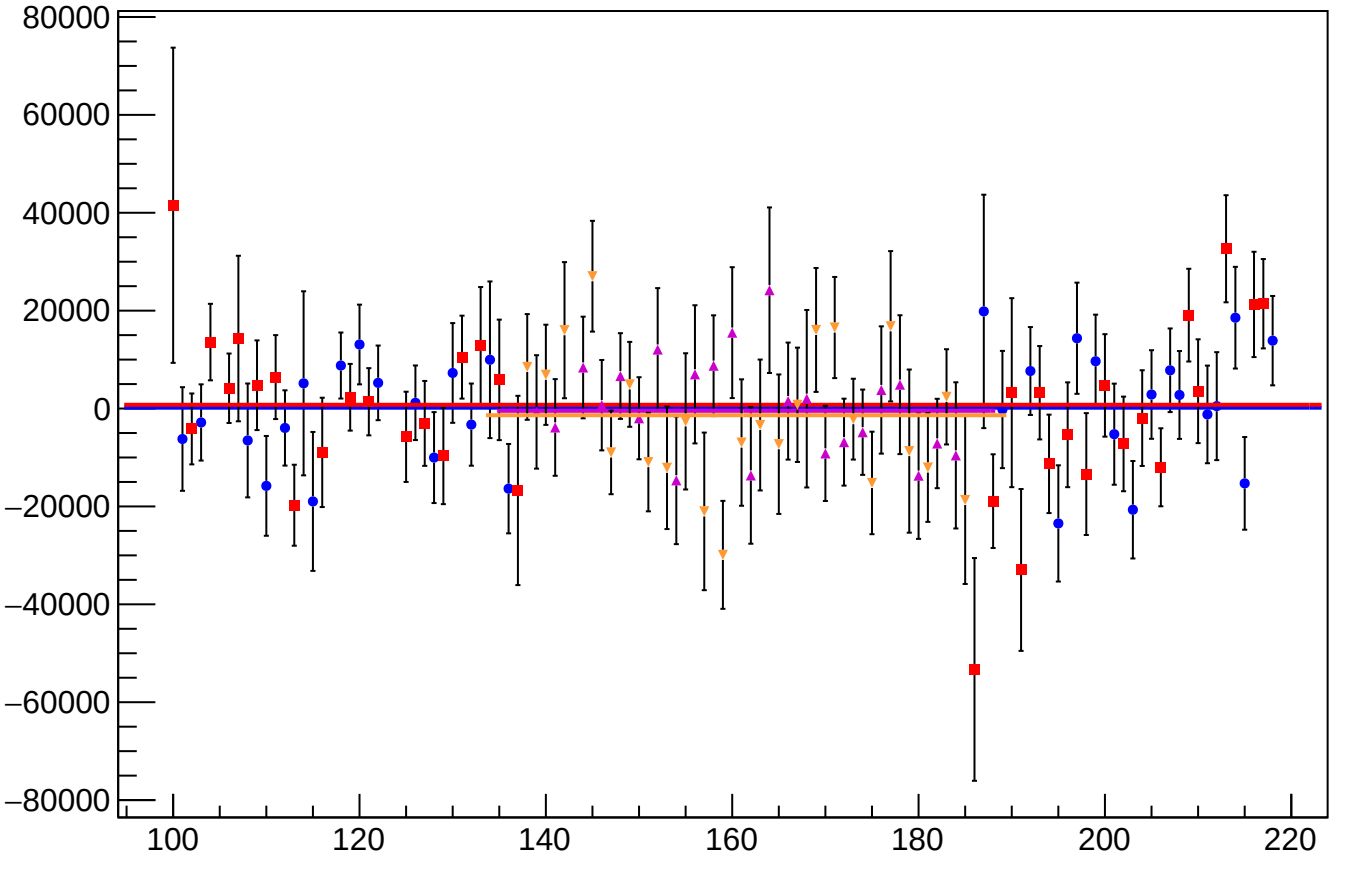
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2178.811+/-0.243 χ^2/NDF: 758414.2/66

In: 2347.723+/-0.270 χ^2/NDF:1306010.5/54

Out: 2359.925+/-0.270 χ^2/NDF:1291766.9/58

All: 2353.825+/-0.191 χ^2/NDF: 2598799.4/11



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: 769.829+/-1651.947 χ^2/NDF: 60.1/34

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

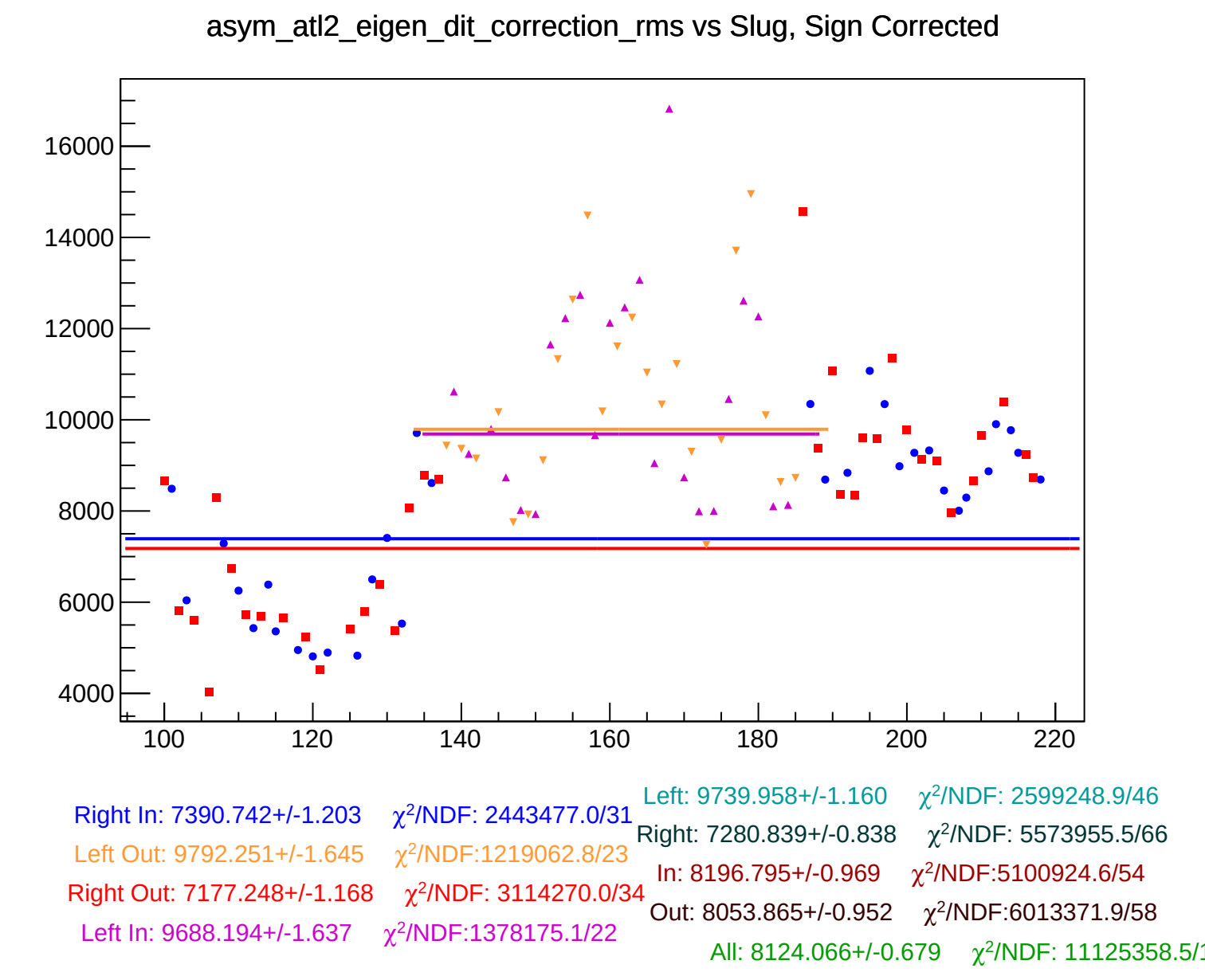
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

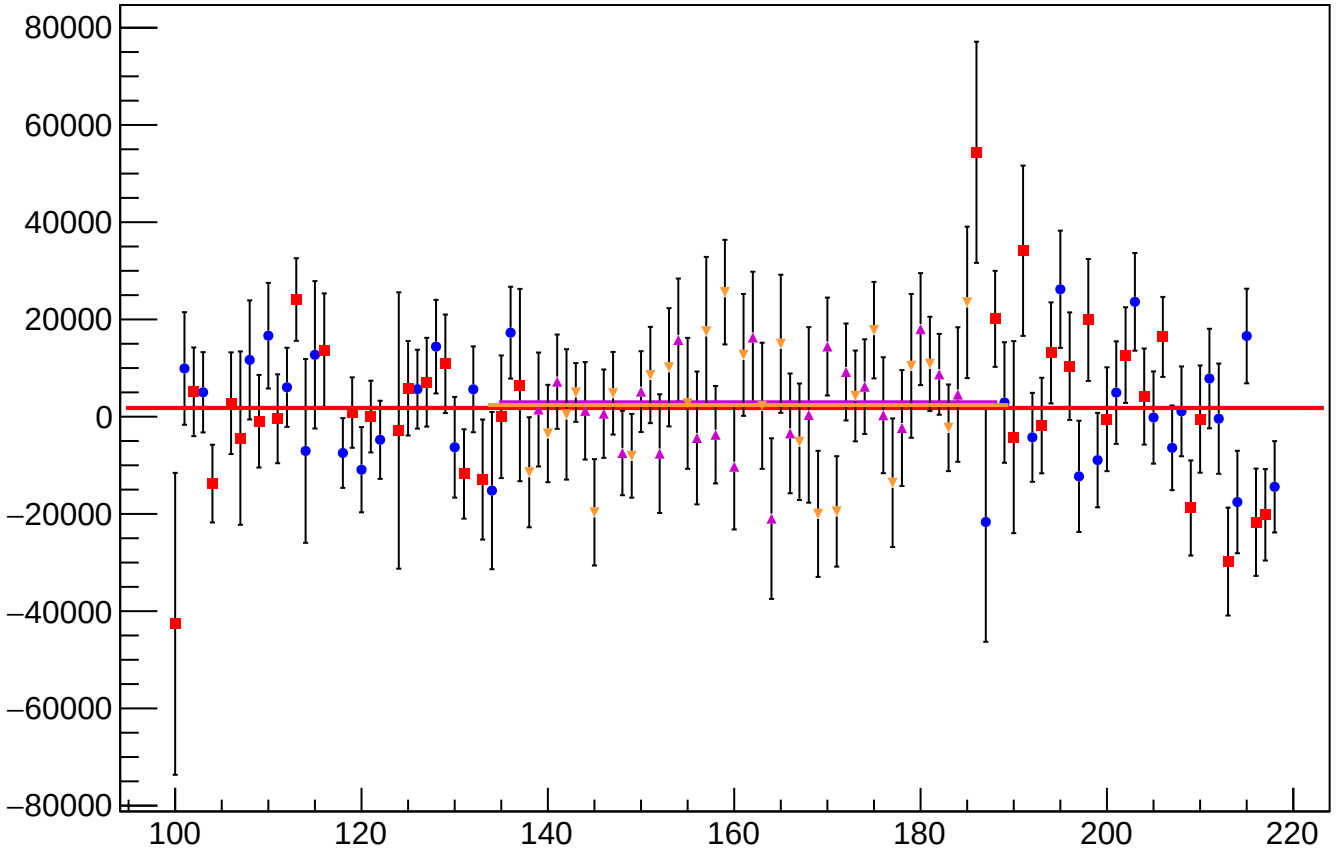
Right: 481.688+/-1185.243 χ^2/NDF: 97.3/66

In: -48.469+/-1370.920 χ^2/NDF:50.3/54

Out: 53.559+/-1346.893 χ^2/NDF:91.9/58

All: 3.447+/-960.780 χ^2/NDF: 142.2/113


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: 7177.248+/-1.168 χ²/NDF: 3114270.0/34
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 7280.839+/-0.838 χ²/NDF: 5573955.5/66
In: 8196.795+/-0.969 χ²/NDF:5100924.6/54
Out: 8053.865+/-0.952 χ²/NDF:6013371.9/58
All: 8124.066+/-0.679 χ²/NDF: 11125358.5/



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: 1767.346+/-1751.784 χ^2/NDF: 62.6/35

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

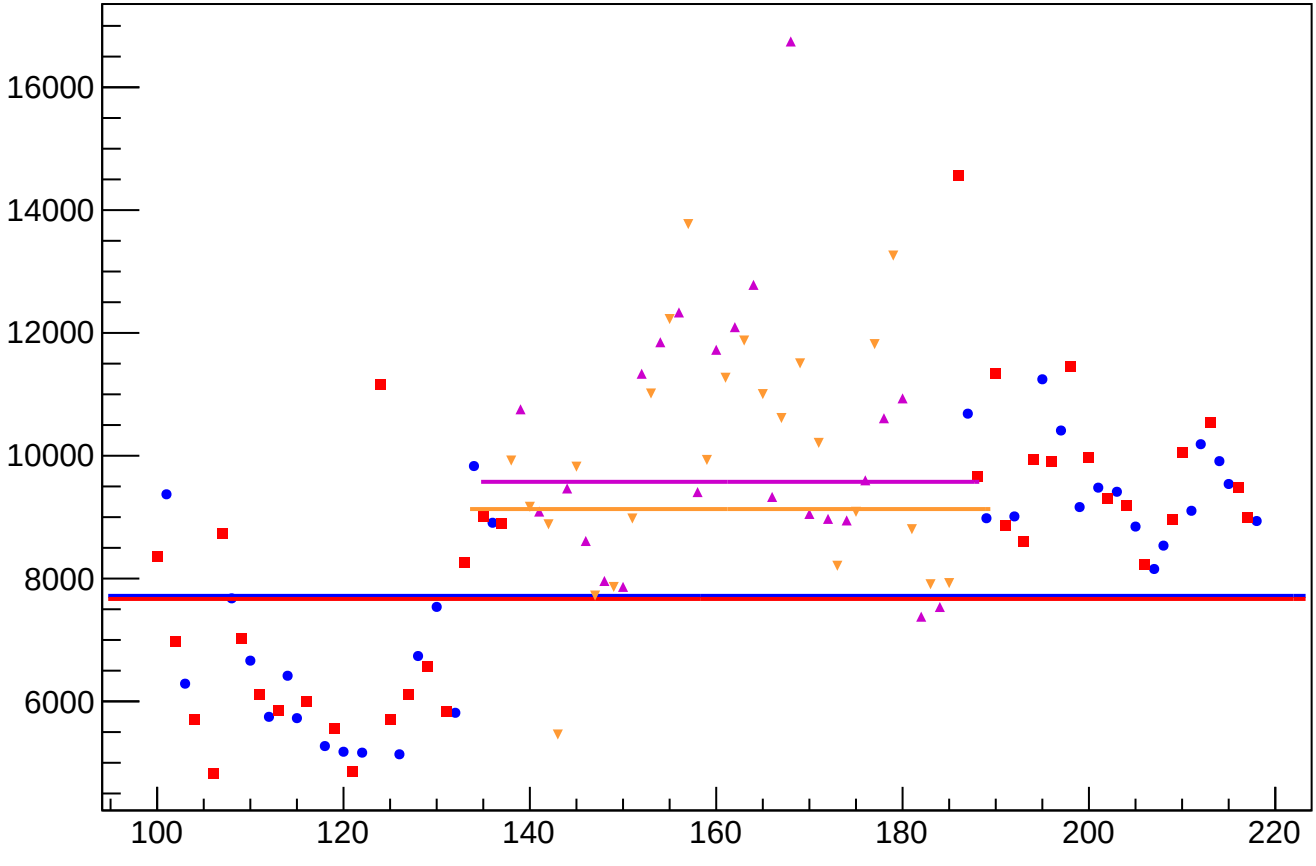
Right: 1790.210+/-1245.260 χ^2/NDF: 100.7/67

In: 2246.404+/-1398.139 χ^2/NDF:51.3/54

Out: 2016.798+/-1354.651 χ^2/NDF:92.4/60

All: 2127.975+/-972.894 χ^2/NDF: 143.6/115

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: 7668.012+/-1.239 χ^2/NDF: 2537494.5/35

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

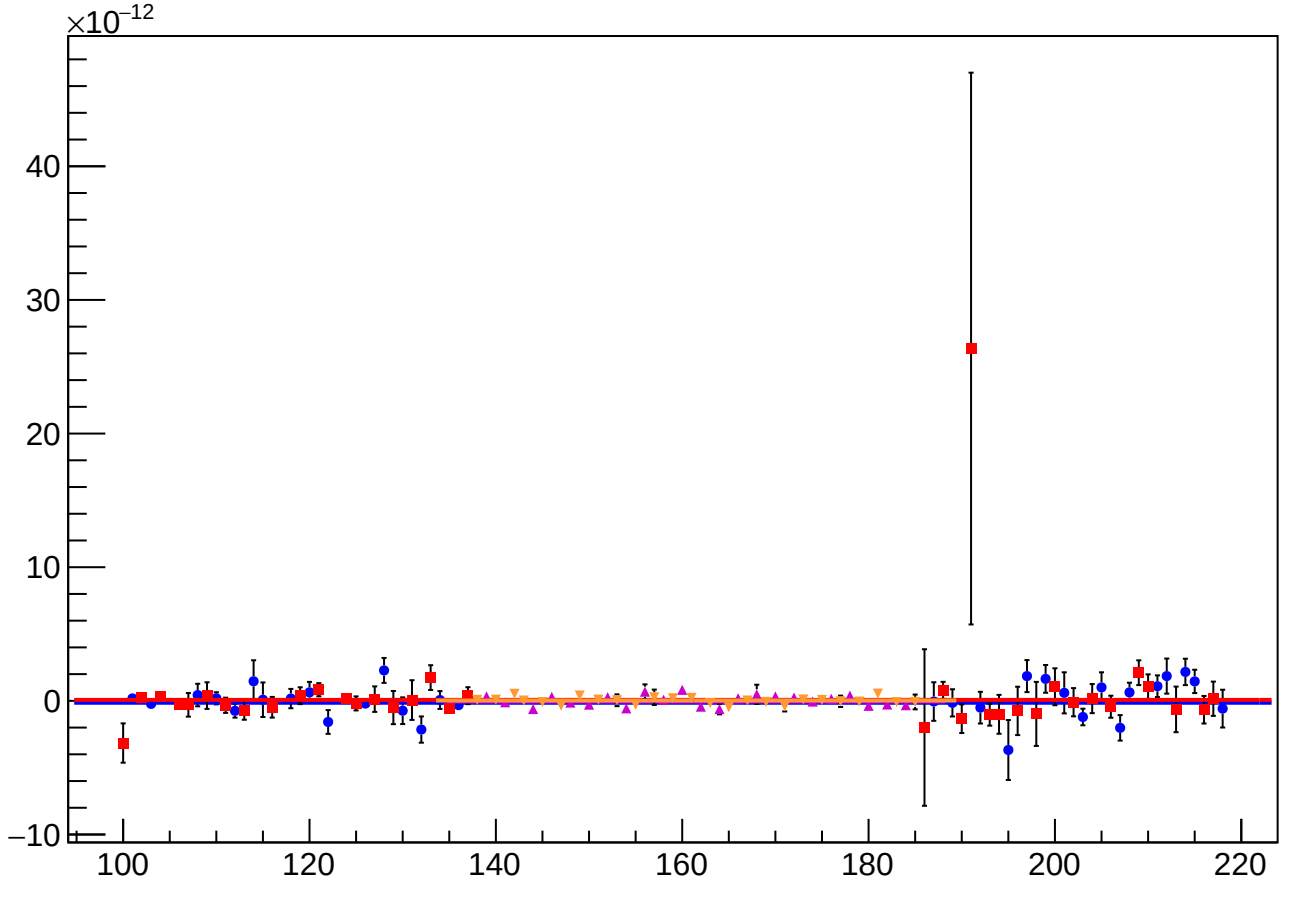
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7692.780+/-0.881 χ^2/NDF: 4704092.3/67

In: 8417.096+/-0.989 χ^2/NDF:4147871.0/54

Out: 8256.434+/-0.958 χ^2/NDF:4910477.7/60

All: 8334.227+/-0.688 χ^2/NDF: 9071970.5/11



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: 36.0/35

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

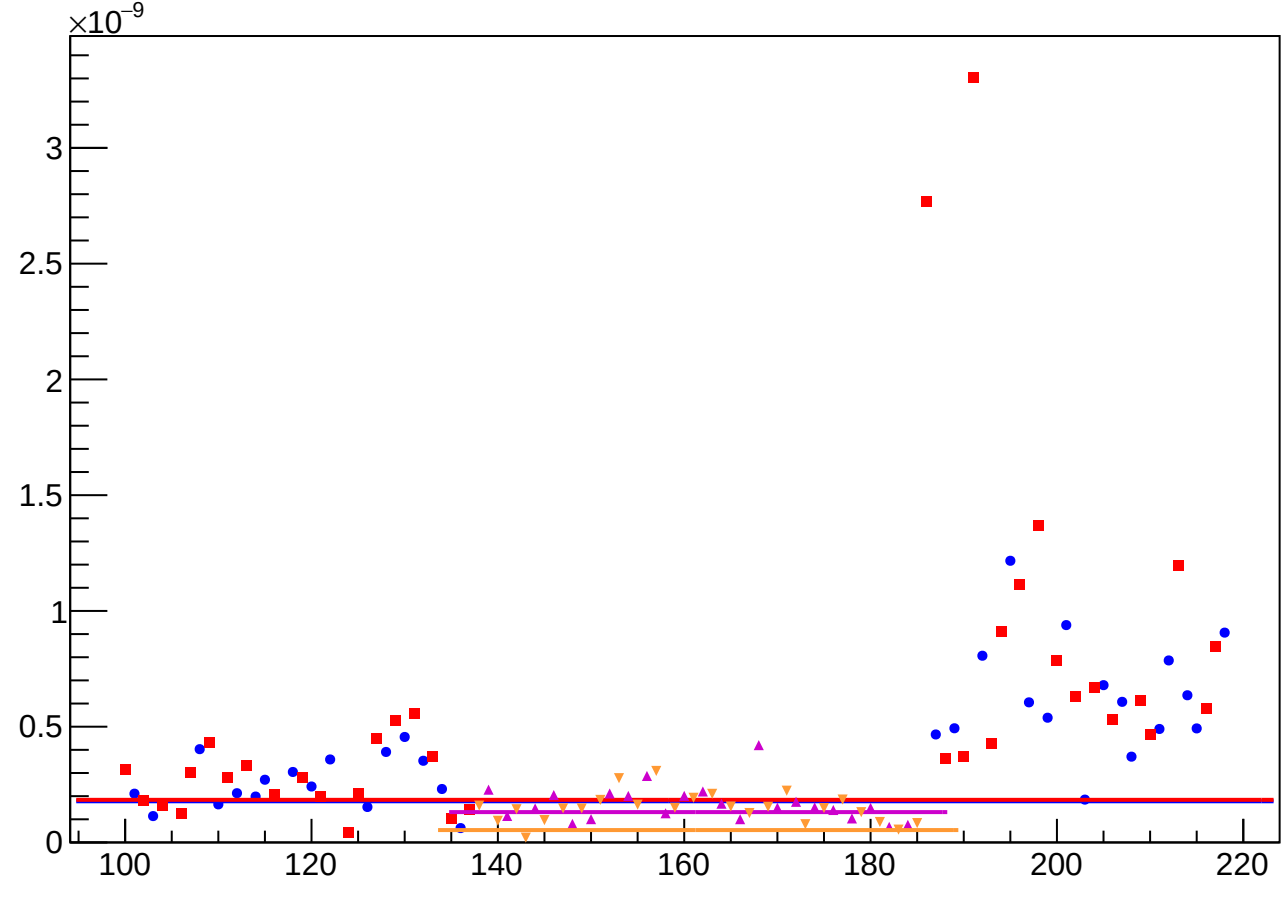
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 91.3/67

In: -0.000+/-0.000 χ^2/NDF:90.0/54

Out: 0.000+/-0.000 χ^2/NDF:54.1/60

All: 0.000+/-0.000 χ^2/NDF: 147.9/115



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: 8839555.6/35

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

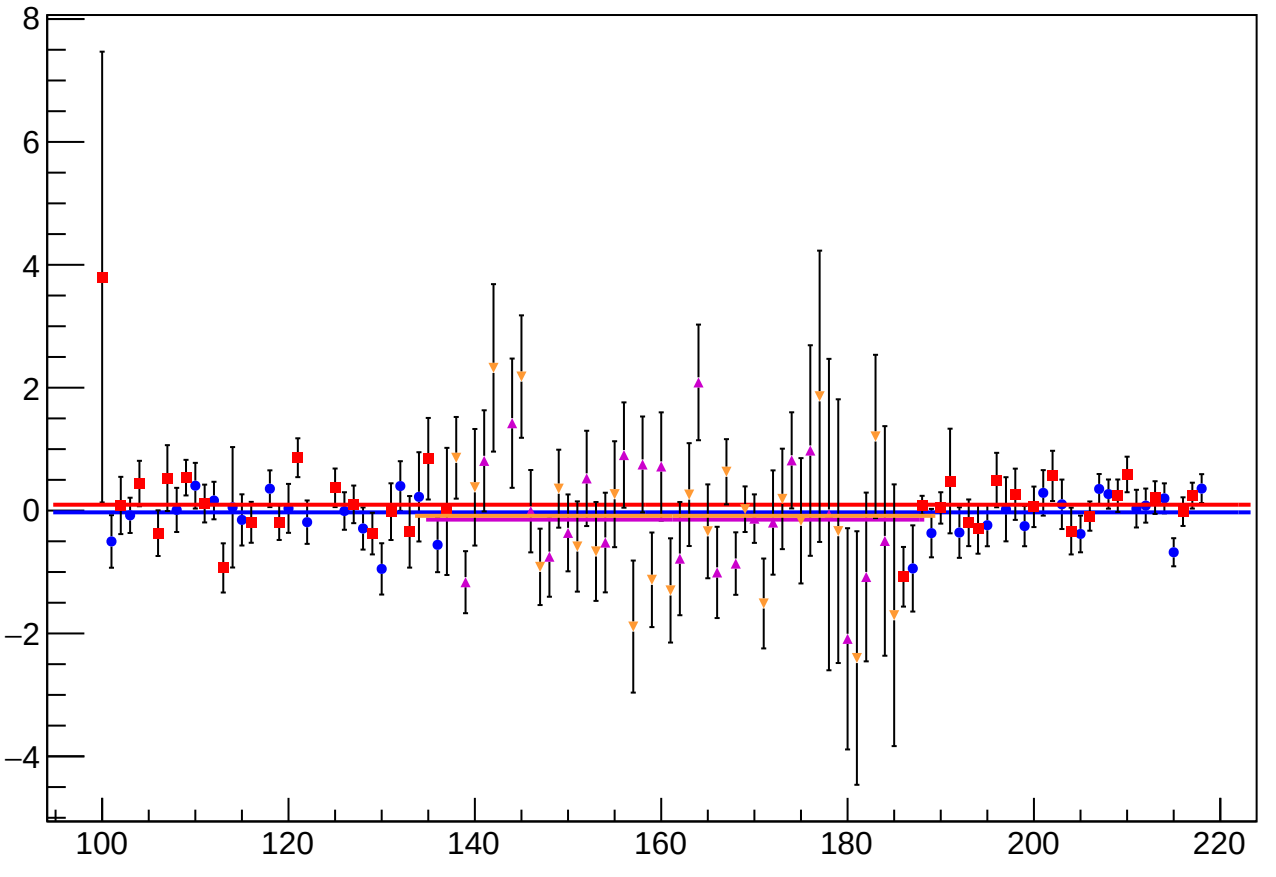
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 16226469.2/67

In: 0.000+/-0.000 χ^2/NDF:9685952.3/54

Out: 0.000+/-0.000 χ^2/NDF:19869395.4/60

All: 0.000+/-0.000 χ^2/NDF: 33628035.9/115



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: 0.095+/-0.055 χ^2/NDF: 41.2/34

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

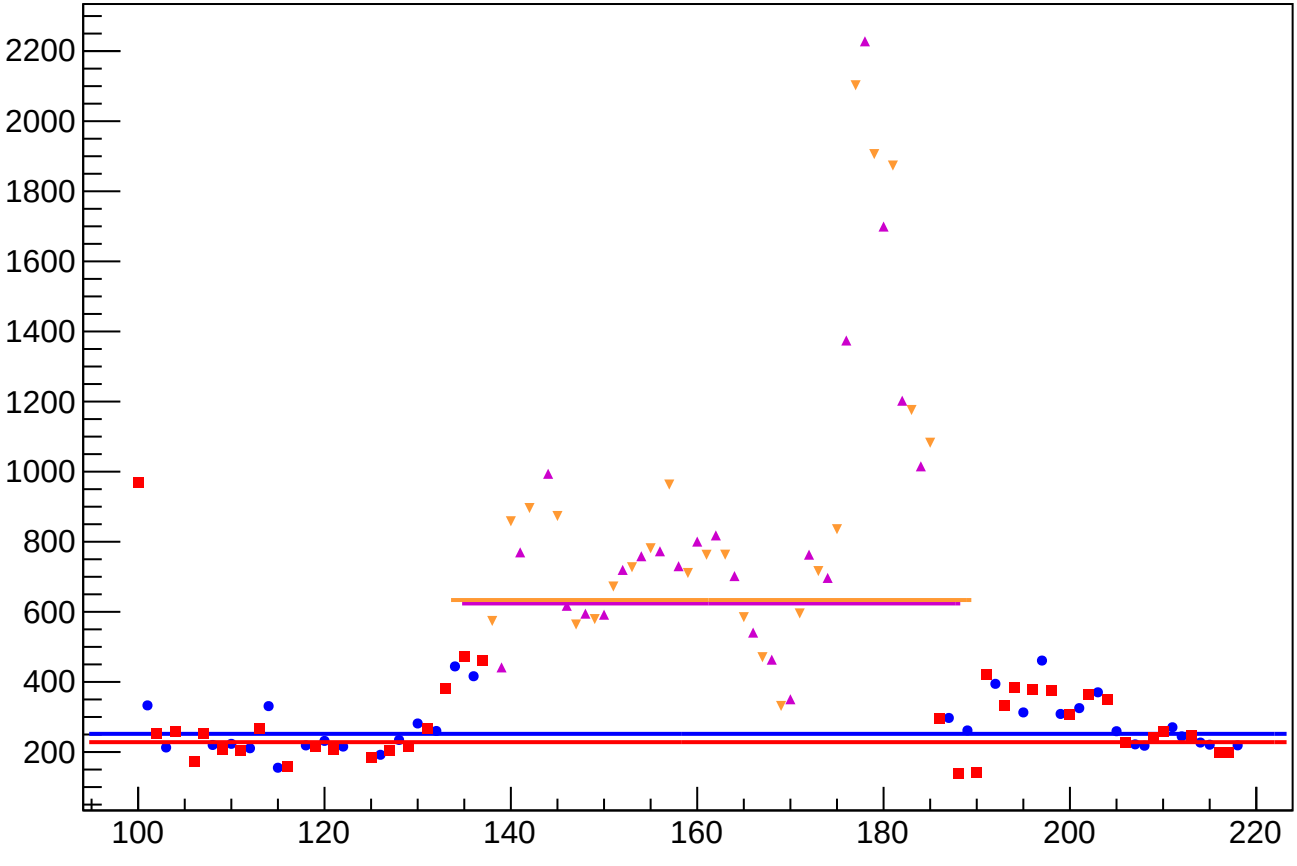
Right: 0.038+/-0.040 χ^2/NDF: 78.7/66

In: -0.043+/-0.055 χ^2/NDF:62.1/54

Out: 0.077+/-0.052 χ^2/NDF:72.6/58

All: 0.021+/-0.038 χ^2/NDF: 137.1/113

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: 228.165+/-0.039 χ^2/NDF: 3516857.9/34

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

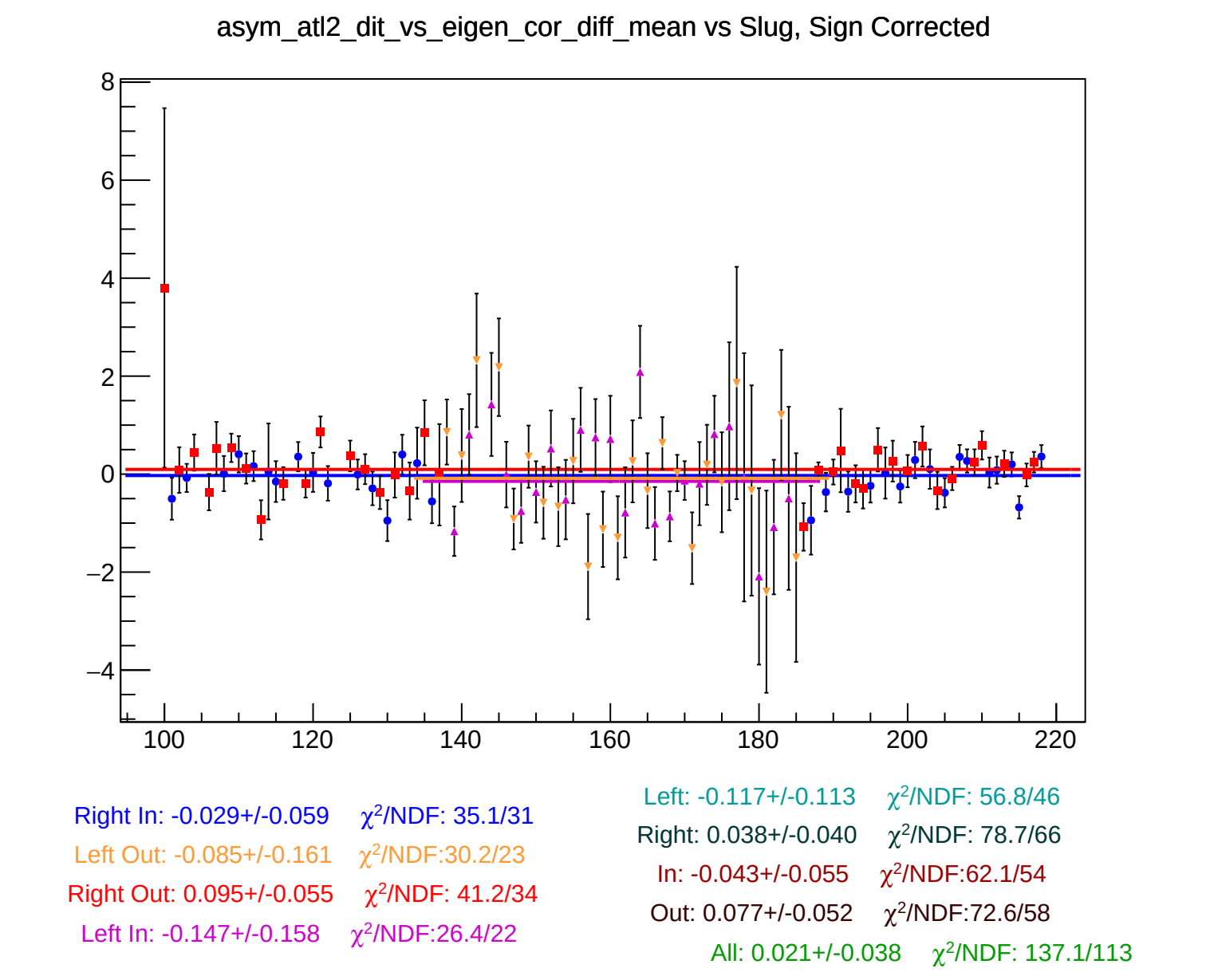
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 239.134+/-0.028 χ^2/NDF: 5664416.2/66

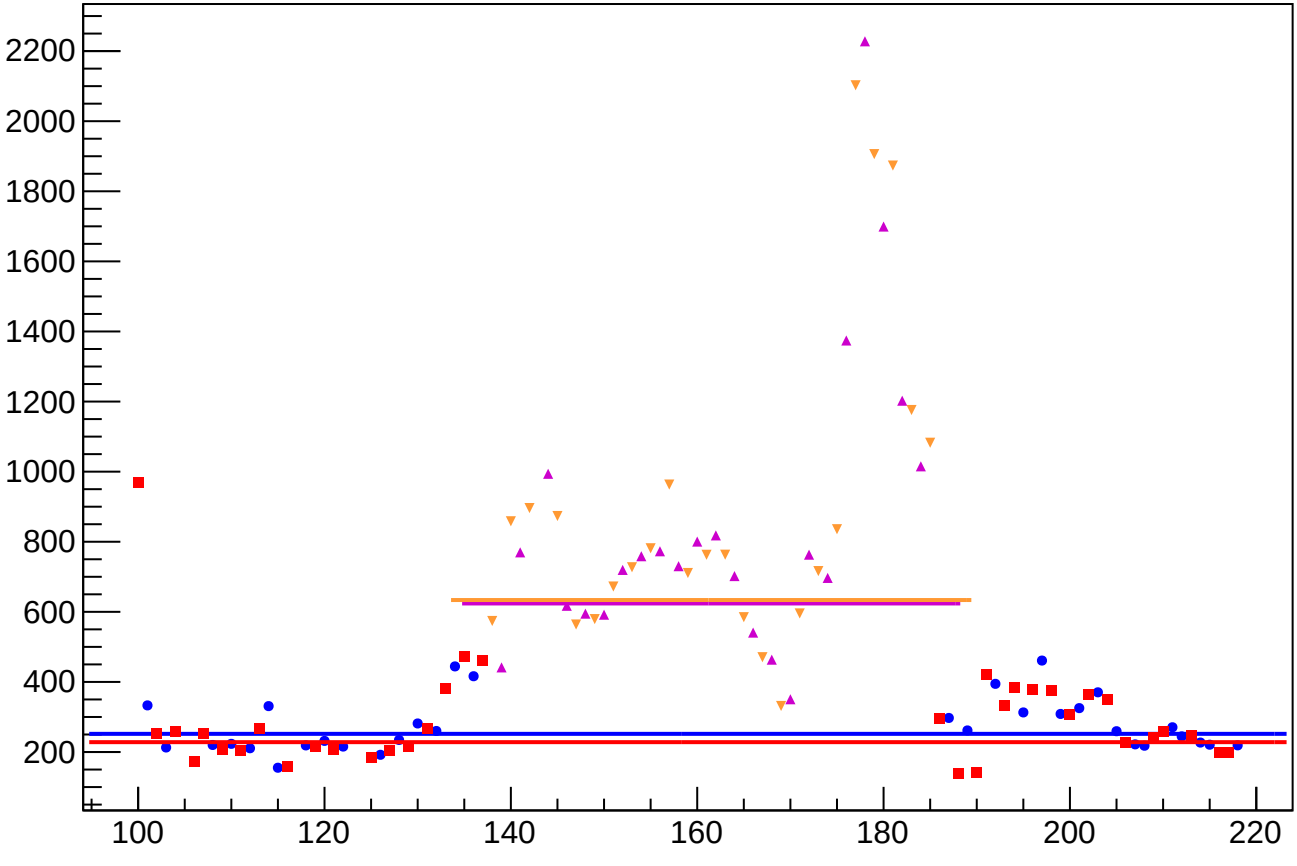
In: 297.401+/-0.039 χ^2/NDF:16222222.2/54

Out: 270.099+/-0.037 χ^2/NDF:19825783.0/58

All: 282.877+/-0.027 χ^2/NDF: 36306899.5/1


asym_atl2_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: 0.095+/-0.055 χ²/NDF: 41.2/34
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.038+/-0.040 χ²/NDF: 78.7/66
In: -0.043+/-0.055 χ²/NDF:62.1/54
Out: 0.077+/-0.052 χ²/NDF:72.6/58
All: 0.021+/-0.038 χ²/NDF: 137.1/113

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: 228.165+/-0.039 χ^2/NDF: 3516857.9/34

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

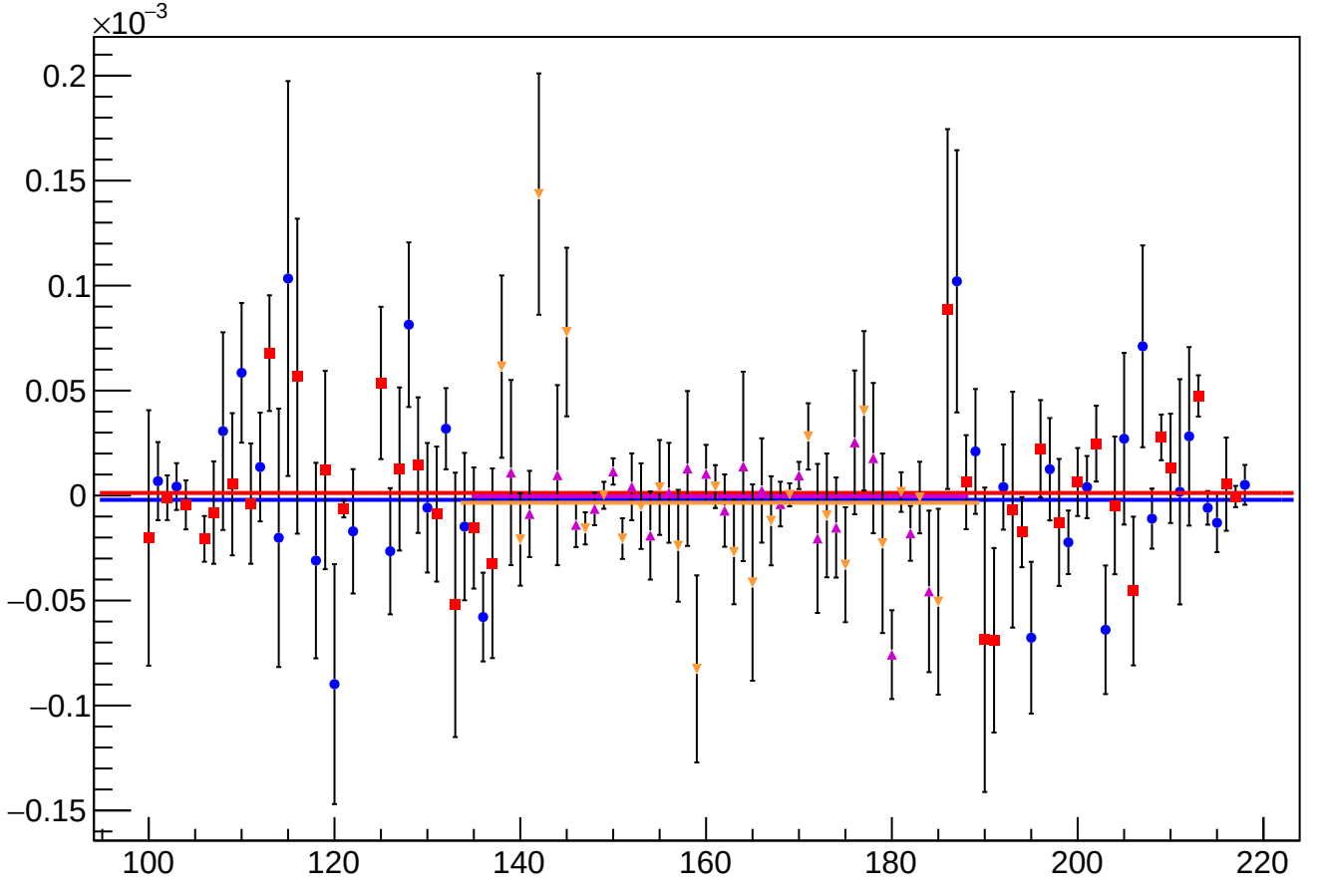
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 239.134+/-0.028 χ^2/NDF: 5664416.2/66

In: 297.401+/-0.039 χ^2/NDF:16222222.2/54

Out: 270.099+/-0.037 χ^2/NDF:19825783.0/58

All: 282.877+/-0.027 χ^2/NDF: 36306899.5/1



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: 57.6/34

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

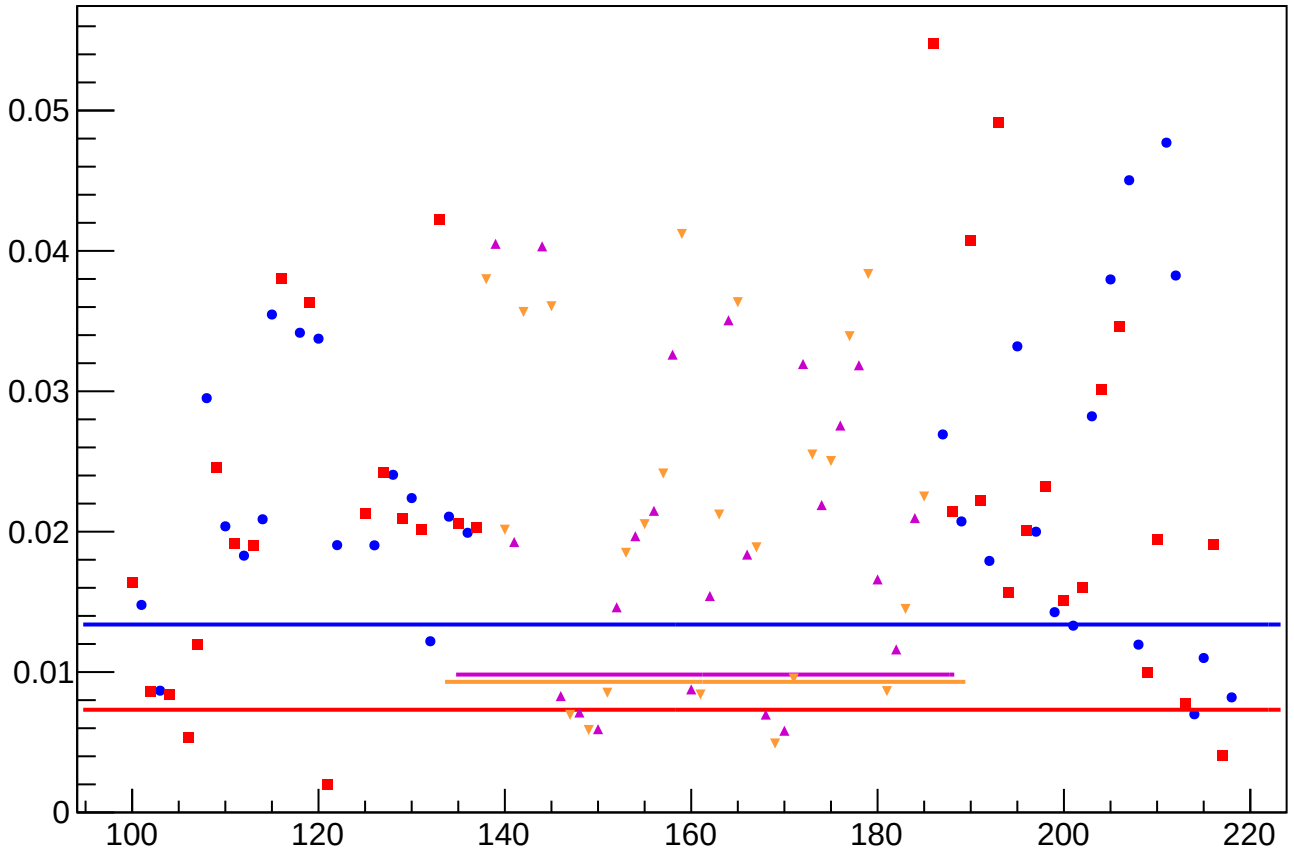
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: 0.000+/-0.000 χ^2/NDF: 100.9/66

In: -0.000+/-0.000 χ^2/NDF:70.8/54

Out: -0.000+/-0.000 χ^2/NDF:93.5/58

All: -0.000+/-0.000 χ^2/NDF: 164.3/113



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: 18425239.9/34

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

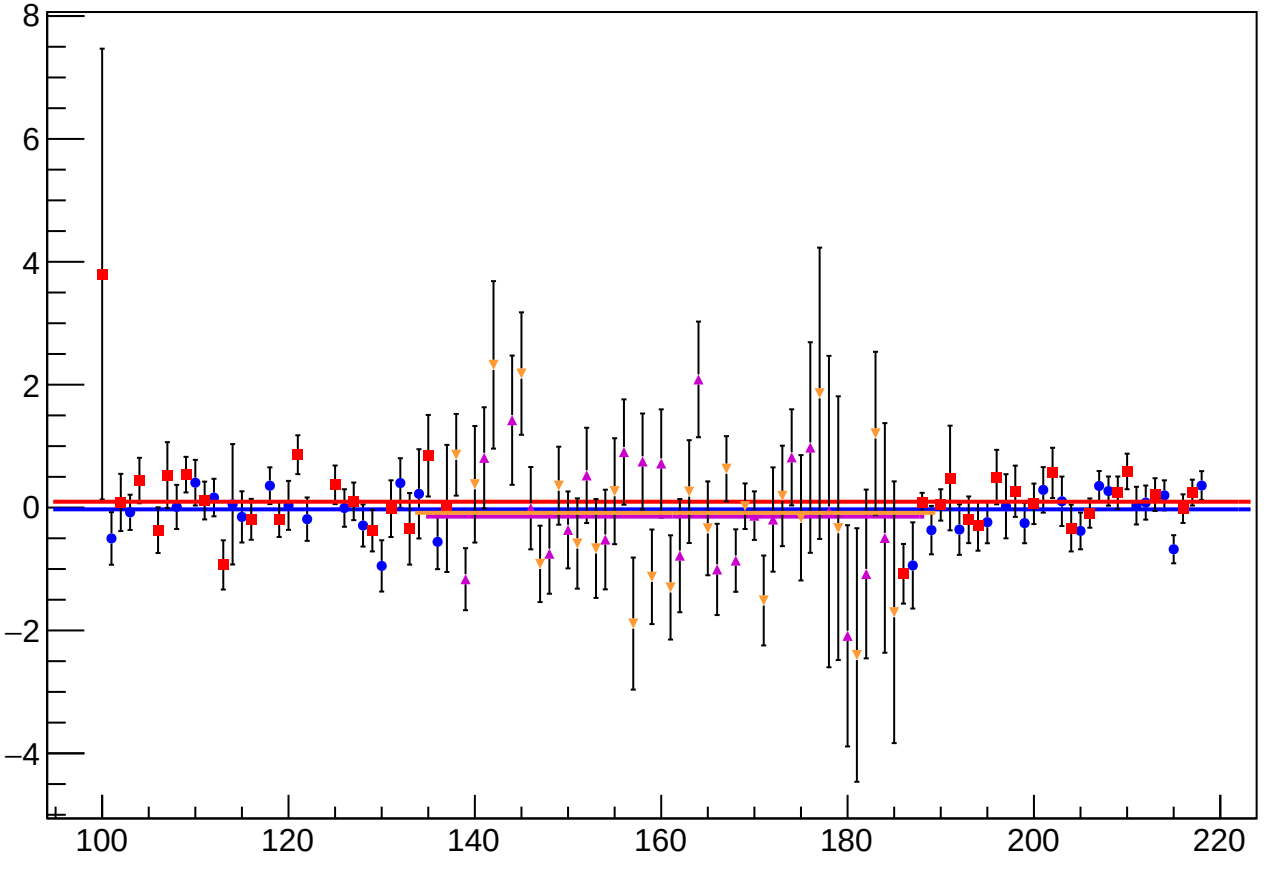
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.009+/-0.000 χ^2/NDF: 31366335.3/66

In: 0.011+/-0.000 χ^2/NDF:20415352.2/54

Out: 0.008+/-0.000 χ^2/NDF:31248036.2/58

All: 0.009+/-0.000 χ^2/NDF: 53963635.5/113



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: 0.095+/-0.055 χ^2/NDF: 41.2/34

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

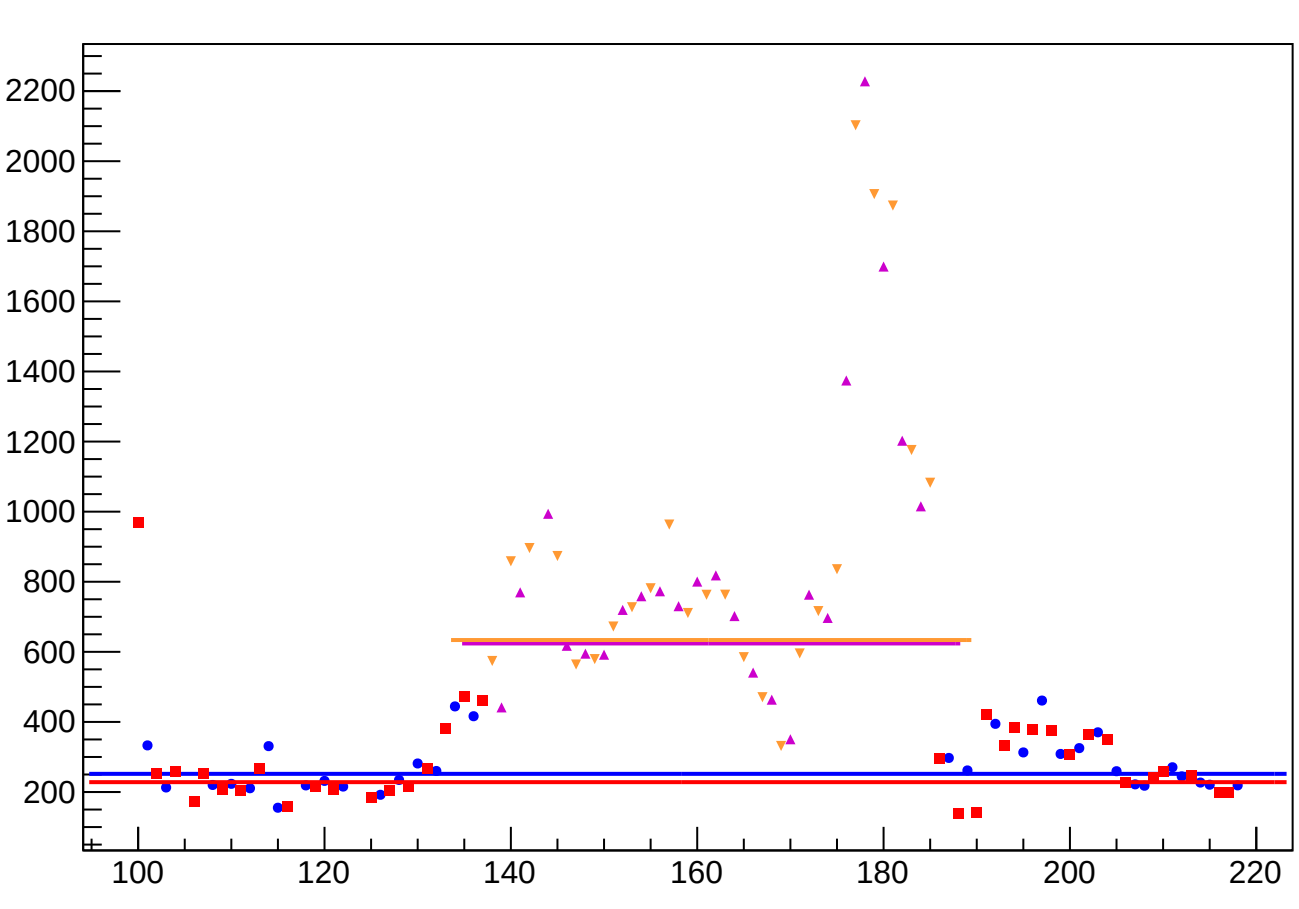
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.038+/-0.040 χ^2/NDF: 78.7/66

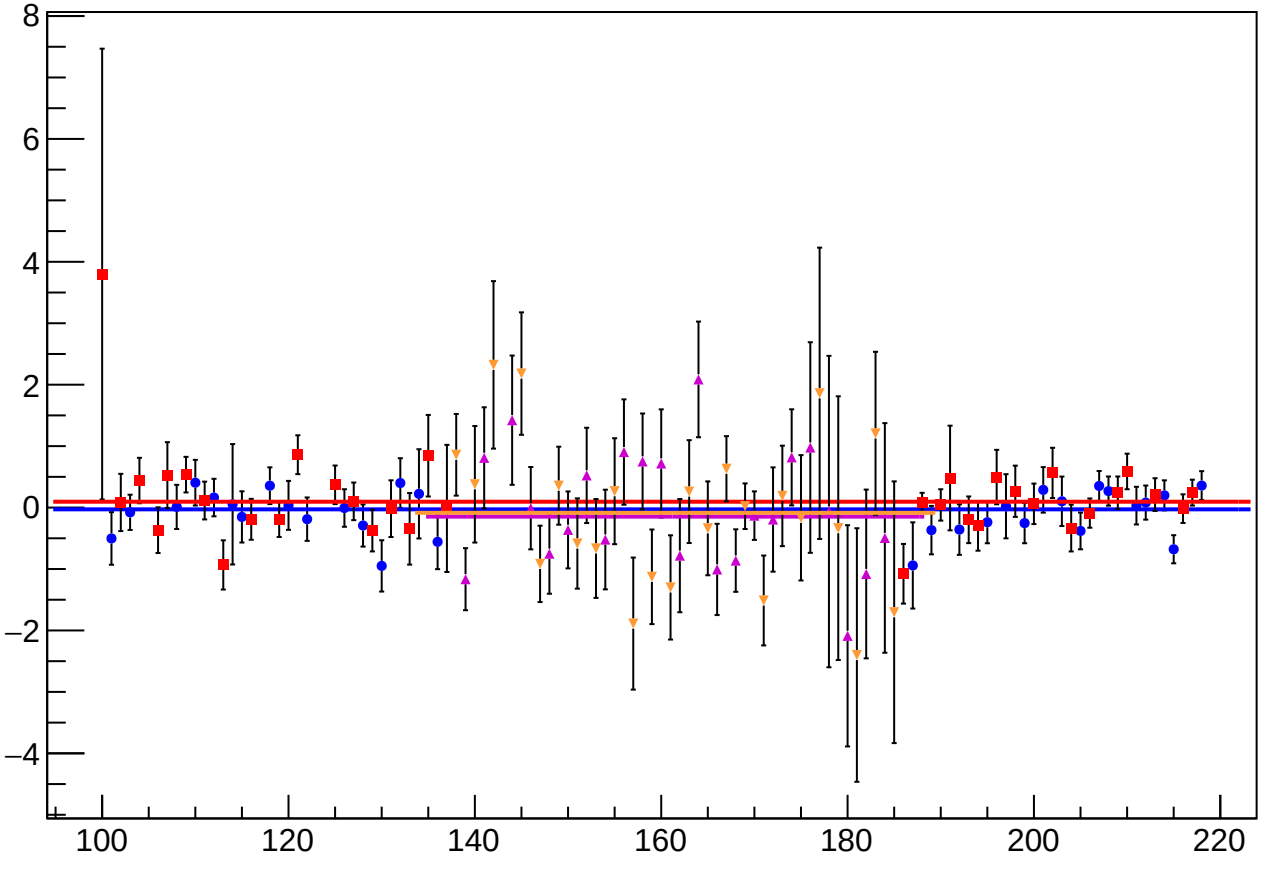
In: -0.043+/-0.055 χ^2/NDF:62.1/54

Out: 0.077+/-0.052 χ^2/NDF:72.6/58

All: 0.021+/-0.038 χ^2/NDF: 137.1/113


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: 228.163+/-0.039 χ²/NDF: 3516999.6/34
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 628.702+/-0.080 χ²/NDF: 9539311.9/46
Right: 239.133+/-0.028 χ²/NDF: 5664586.3/66
In: 297.402+/-0.039 χ²/NDF:16222298.9/54
Out: 270.097+/-0.037 χ²/NDF:19826184.8/58
All: 282.876+/-0.027 χ²/NDF: 36307440.2/11

asym_atl2_eigen_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: 0.095+/-0.055 χ^2/NDF: 41.2/34

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

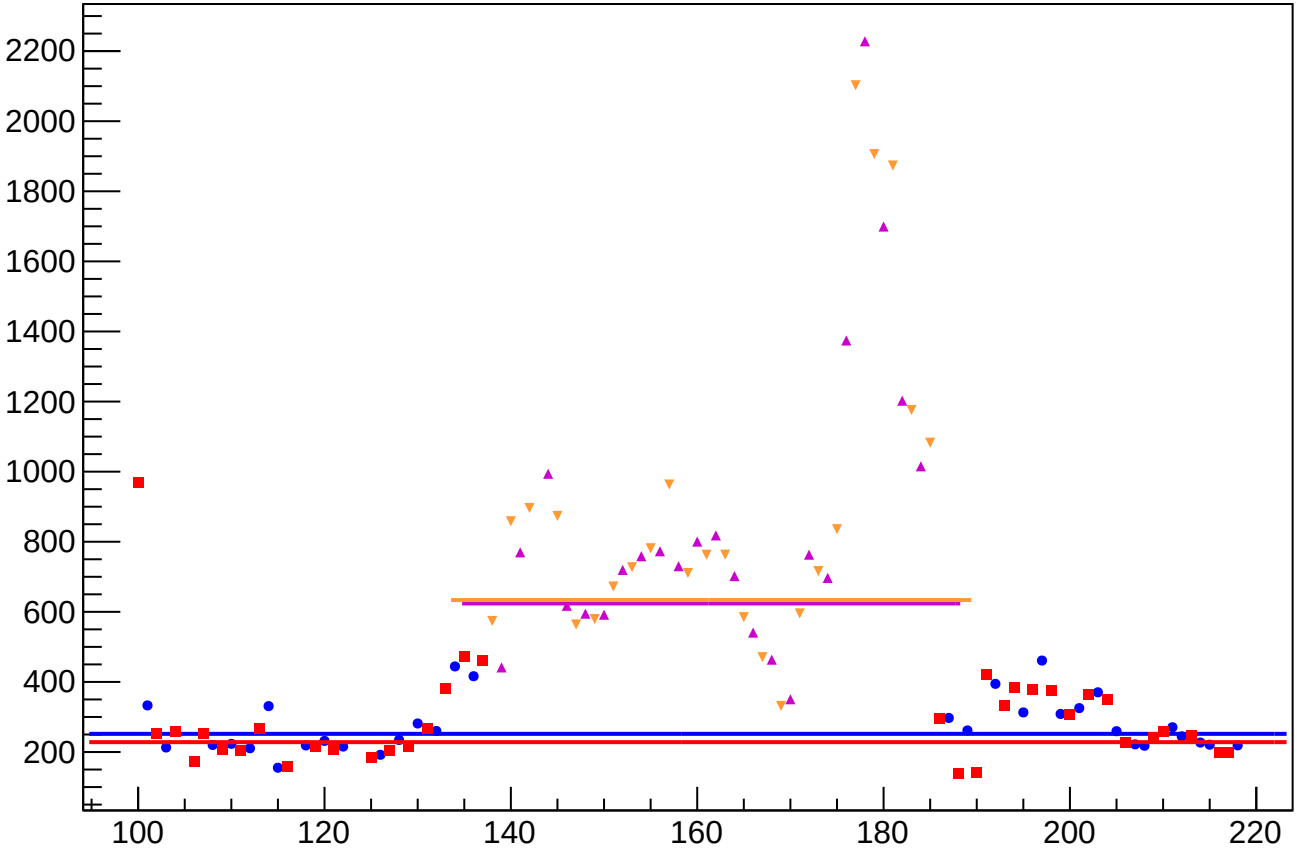
Right: 0.038+/-0.040 χ^2/NDF: 78.7/66

In: -0.043+/-0.055 χ^2/NDF:62.1/54

Out: 0.077+/-0.052 χ^2/NDF:72.6/58

All: 0.021+/-0.038 χ^2/NDF: 137.1/113

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: 228.163+/-0.039 χ^2/NDF: 3516999.6/34

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

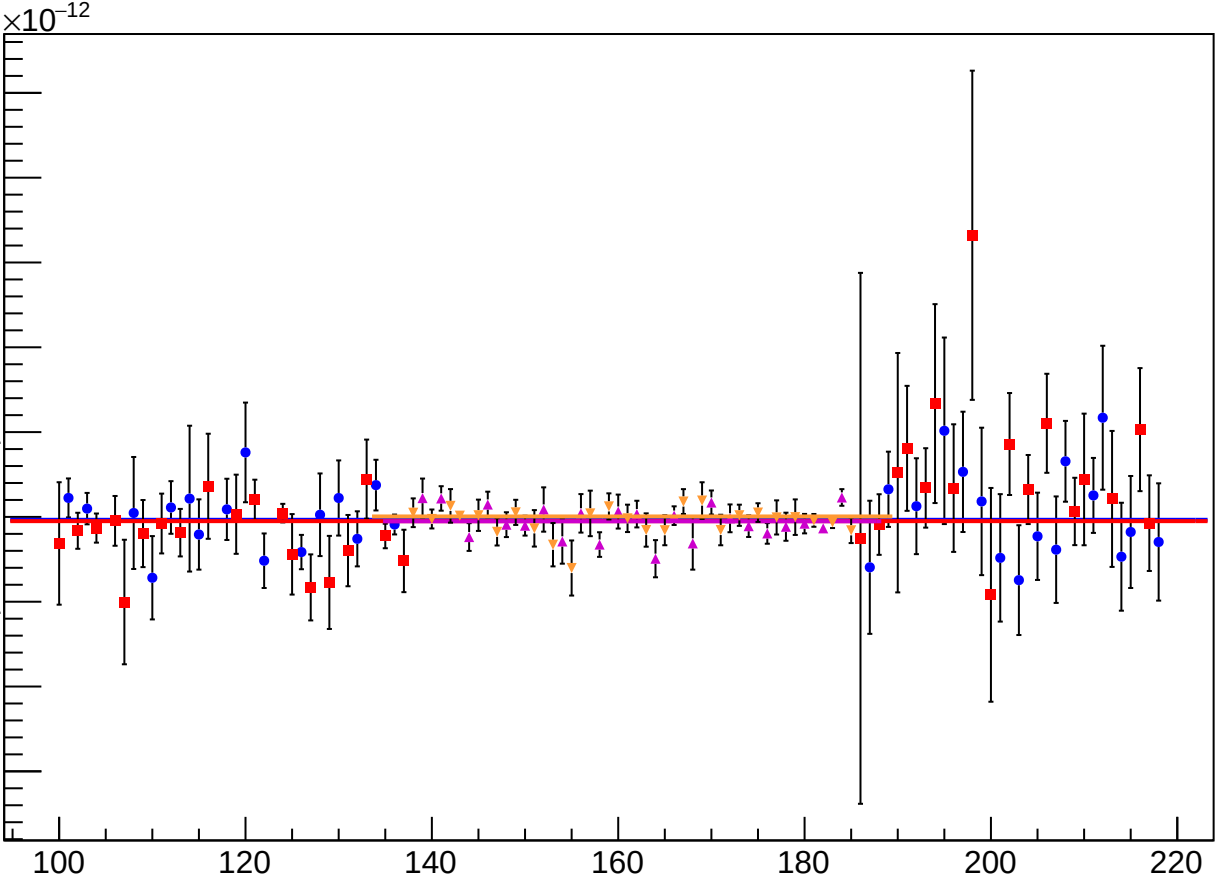
Right: 239.133+/-0.028 χ^2/NDF: 5664586.3/66

In: 297.402+/-0.039 χ^2/NDF:16222298.9/54

Out: 270.097+/-0.037 χ^2/NDF:19826184.8/58

All: 282.876+/-0.027 χ^2/NDF: 36307440.2/11

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: 33.6/35

Left In: -0.000+/-0.000 χ^2/NDF:33.4/22

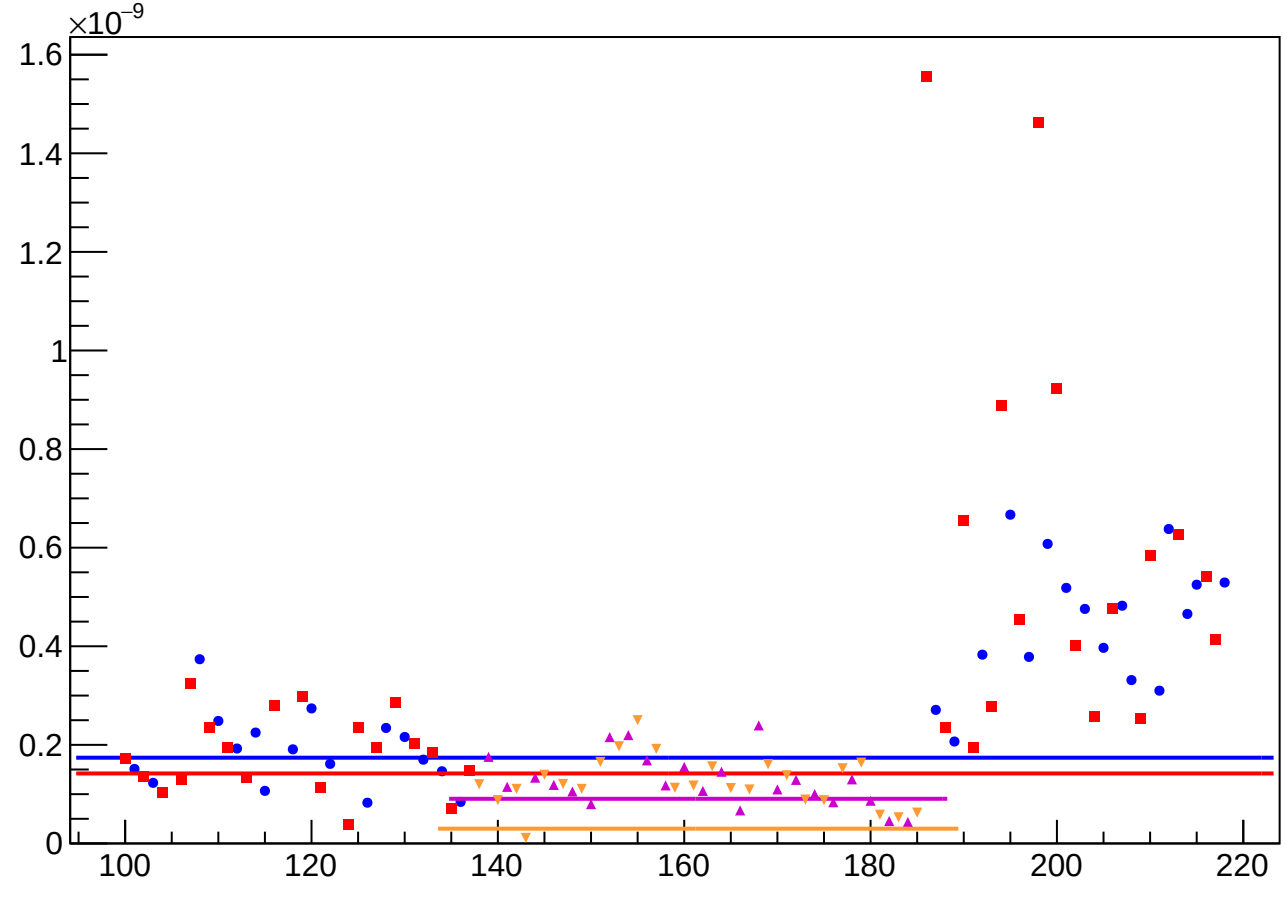
Left: -0.000+/-0.000 χ^2/NDF: 52.5/47

Right: -0.000+/-0.000 χ^2/NDF: 58.6/67

In: -0.000+/-0.000 χ^2/NDF:58.3/54

Out: 0.000+/-0.000 χ^2/NDF:50.4/60

All: -0.000+/-0.000 χ^2/NDF: 111.9/115



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: 10996932.0/35

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

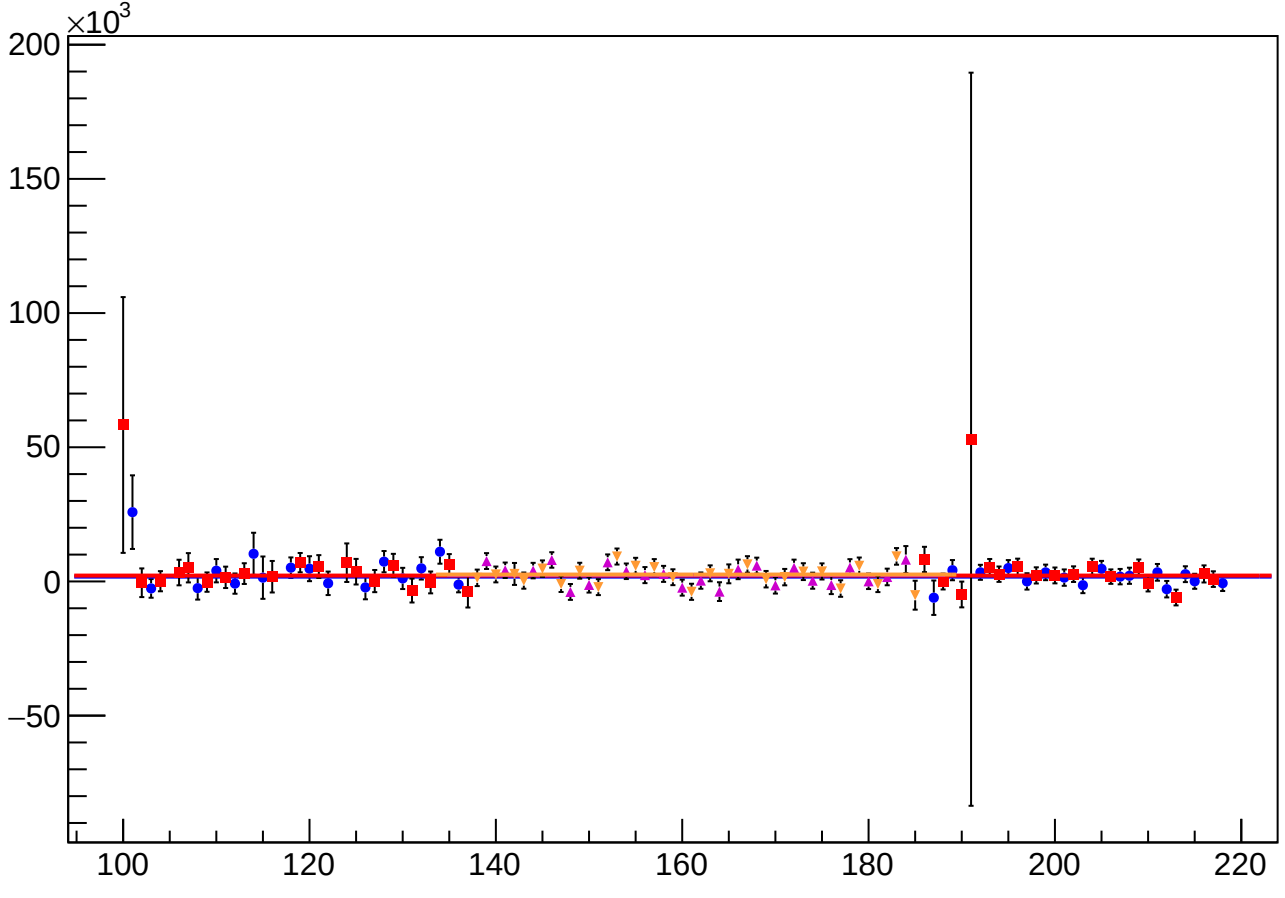
Right: 0.000+/-0.000 χ^2/NDF: 19085126.2/67

In: 0.000+/-0.000 χ^2/NDF:15527489.4/54

Out: 0.000+/-0.000 χ^2/NDF:36100320.7/60

All: 0.000+/-0.000 χ^2/NDF: 62958230.7/115

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: 2182.762+/-619.255 χ^2/NDF: 28.5/35

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

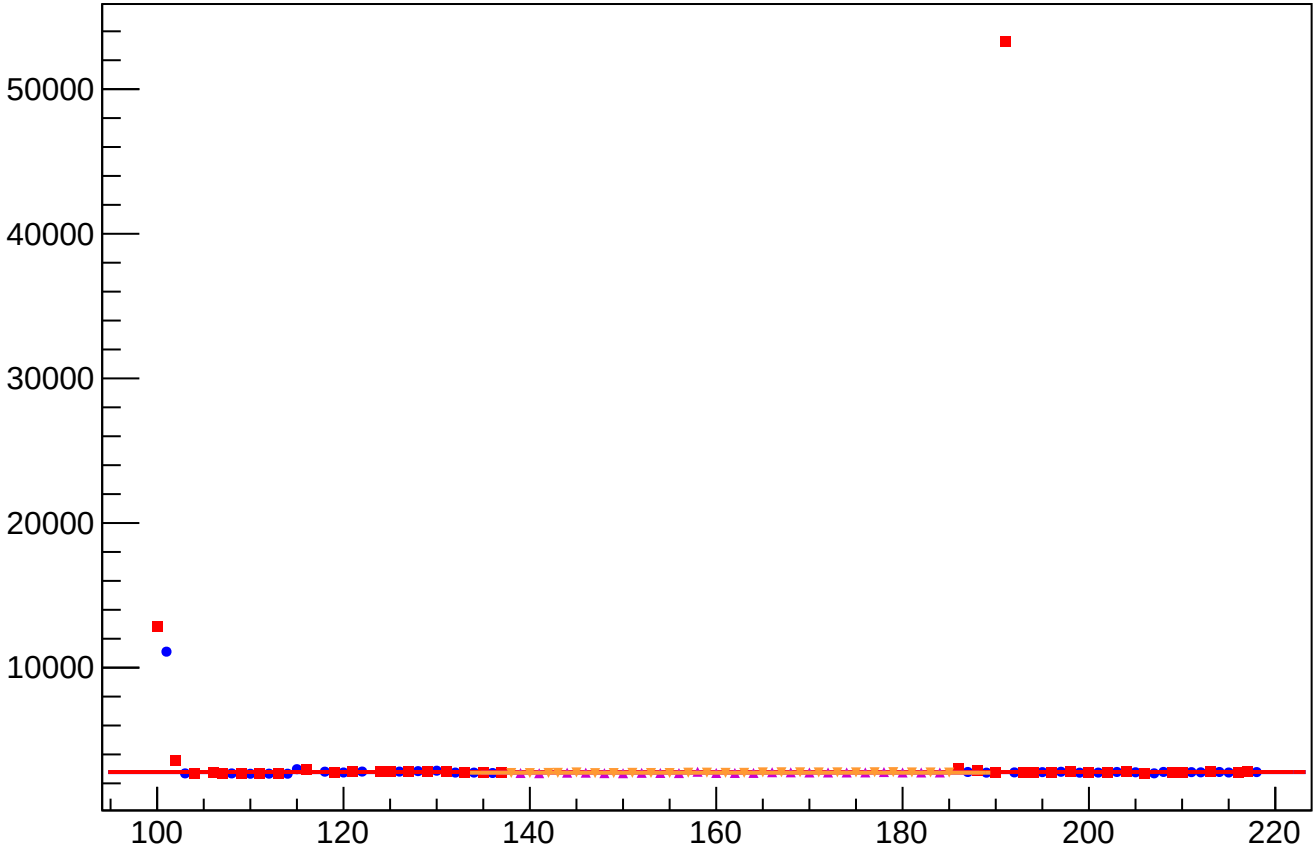
Right: 1988.413+/-439.415 χ^2/NDF: 56.5/67

In: 2091.952+/-446.552 χ^2/NDF:59.6/54

Out: 2369.019+/-438.787 χ^2/NDF:60.3/60

All: 2232.916+/-312.979 χ^2/NDF: 120.1/115

reg_asym_atr1_rms vs Slug, Sign Corrected



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: 2784.462+/-0.438 χ^2/NDF: 481906.7/35

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

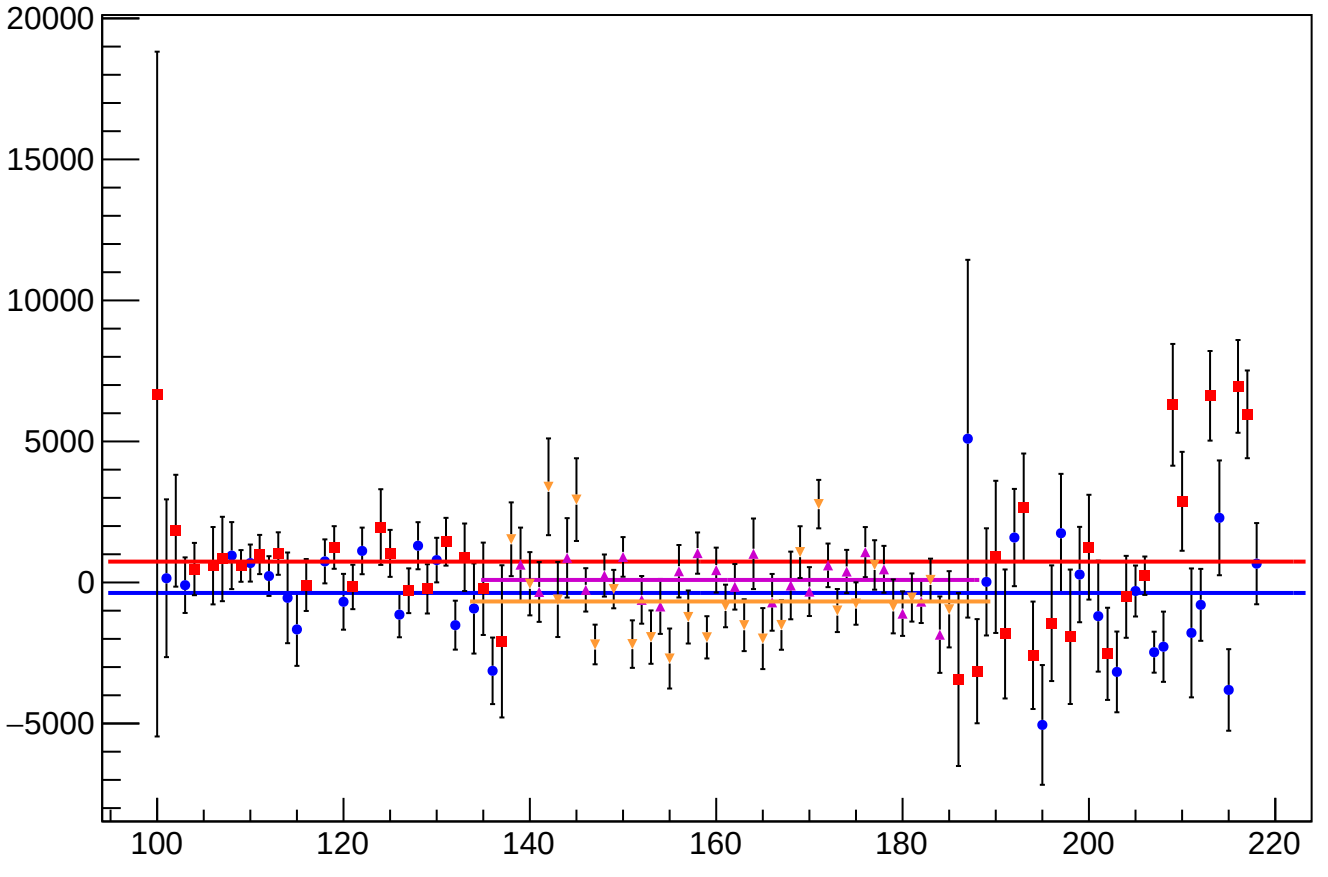
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2781.063+/-0.311 χ^2/NDF: 1232757.3/67

In: 2759.220+/-0.316 χ^2/NDF:757662.4/54

Out: 2761.088+/-0.310 χ^2/NDF:489947.0/60

All: 2760.170+/-0.221 χ^2/NDF: 1247627.2/11



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: 739.480+/-188.470 χ^2/NDF: 76.3/35

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

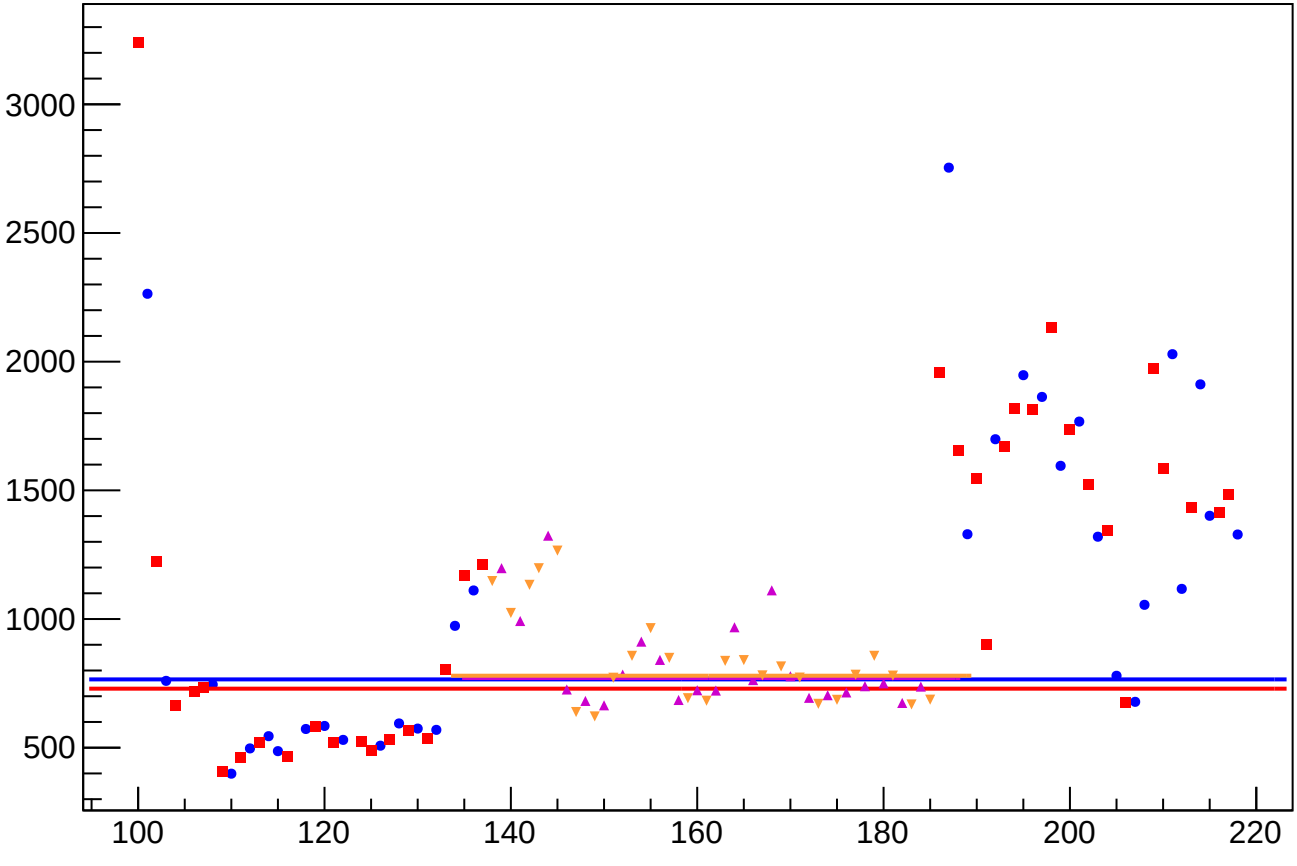
Right: 202.832+/-135.516 χ^2/NDF: 149.8/67

In: -127.043+/-133.629 χ^2/NDF:74.5/54

Out: 5.231+/-130.634 χ^2/NDF:163.8/60

All: -59.407+/-93.413 χ^2/NDF: 238.8/115

asym_atr1_reg_correction_rms vs Slug, Sign Corrected



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: 729.387+/-0.133 χ^2/NDF: 9616638.7/35

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

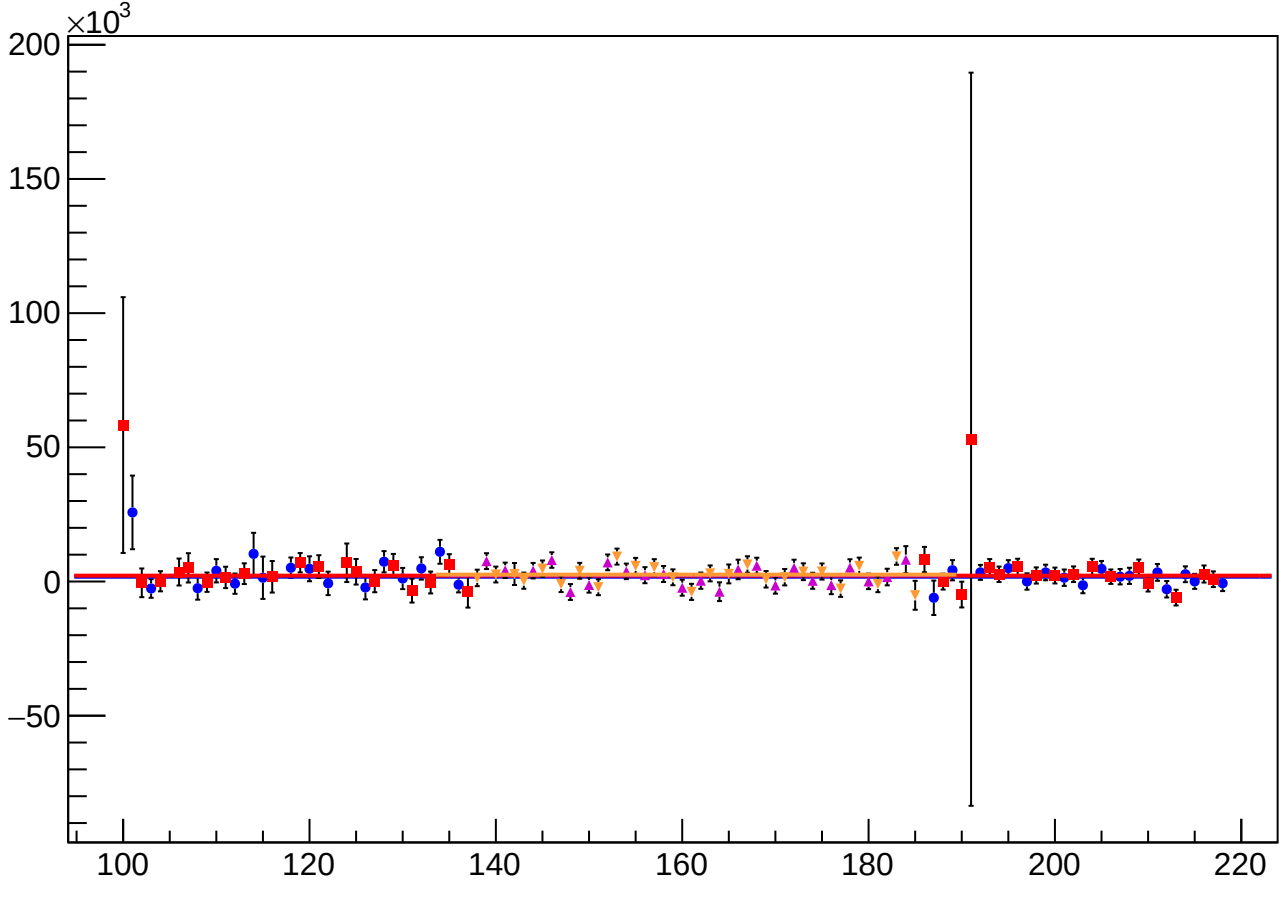
Right: 746.798+/-0.096 χ^2/NDF: 17987510.0/67

In: 768.278+/-0.094 χ^2/NDF:9412689.1/54

Out: 755.536+/-0.092 χ^2/NDF:10934479.8/60

All: 761.763+/-0.066 χ^2/NDF: 20356466.5/1

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: 2184.519+/-619.764 χ^2/NDF: 28.5/35

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

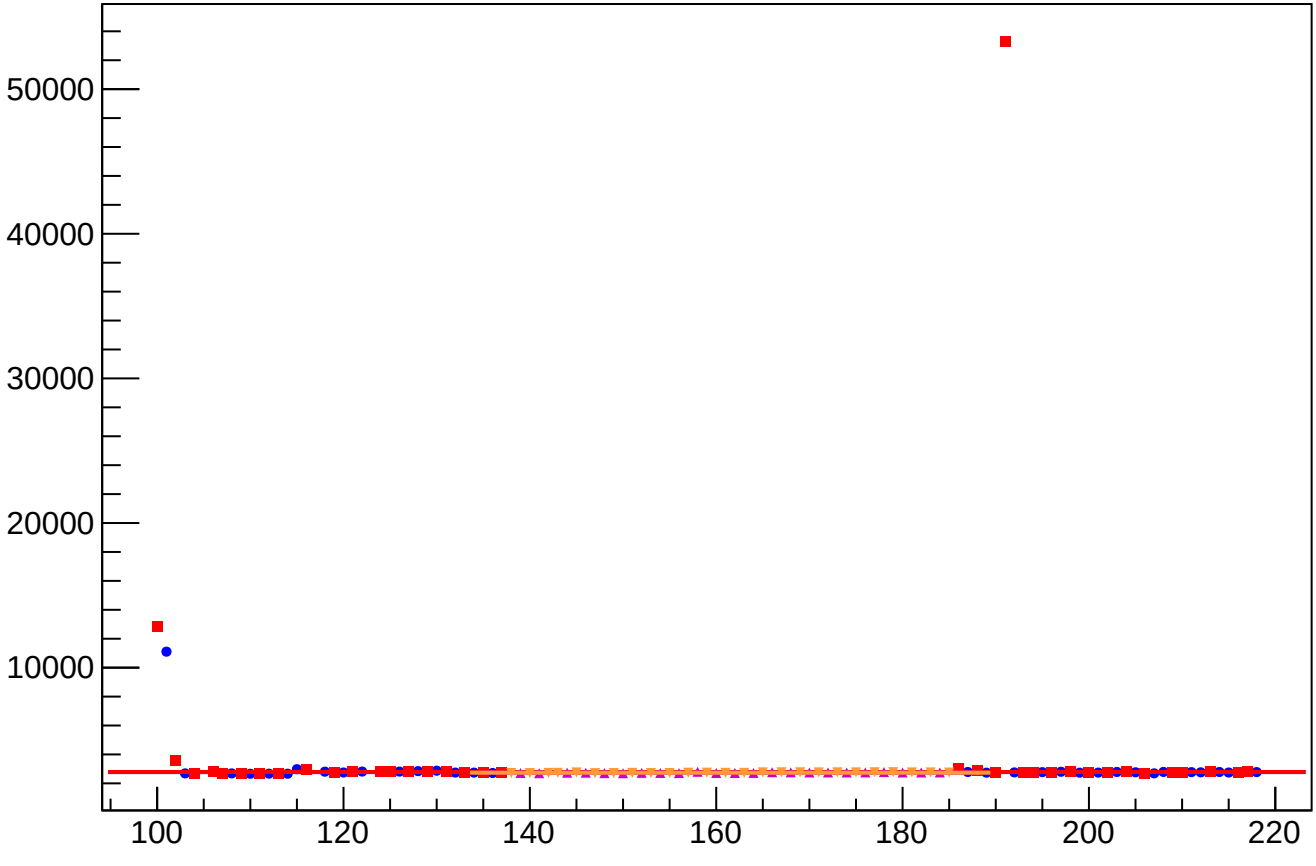
Right: 1988.970+/-439.597 χ^2/NDF: 56.5/67

In: 2091.850+/-446.552 χ^2/NDF:59.6/54

Out: 2370.034+/-438.968 χ^2/NDF:60.3/60

All: 2233.325+/-313.044 χ^2/NDF: 120.1/115

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: 2786.358+/-0.438 χ^2/NDF: 481773.0/35

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

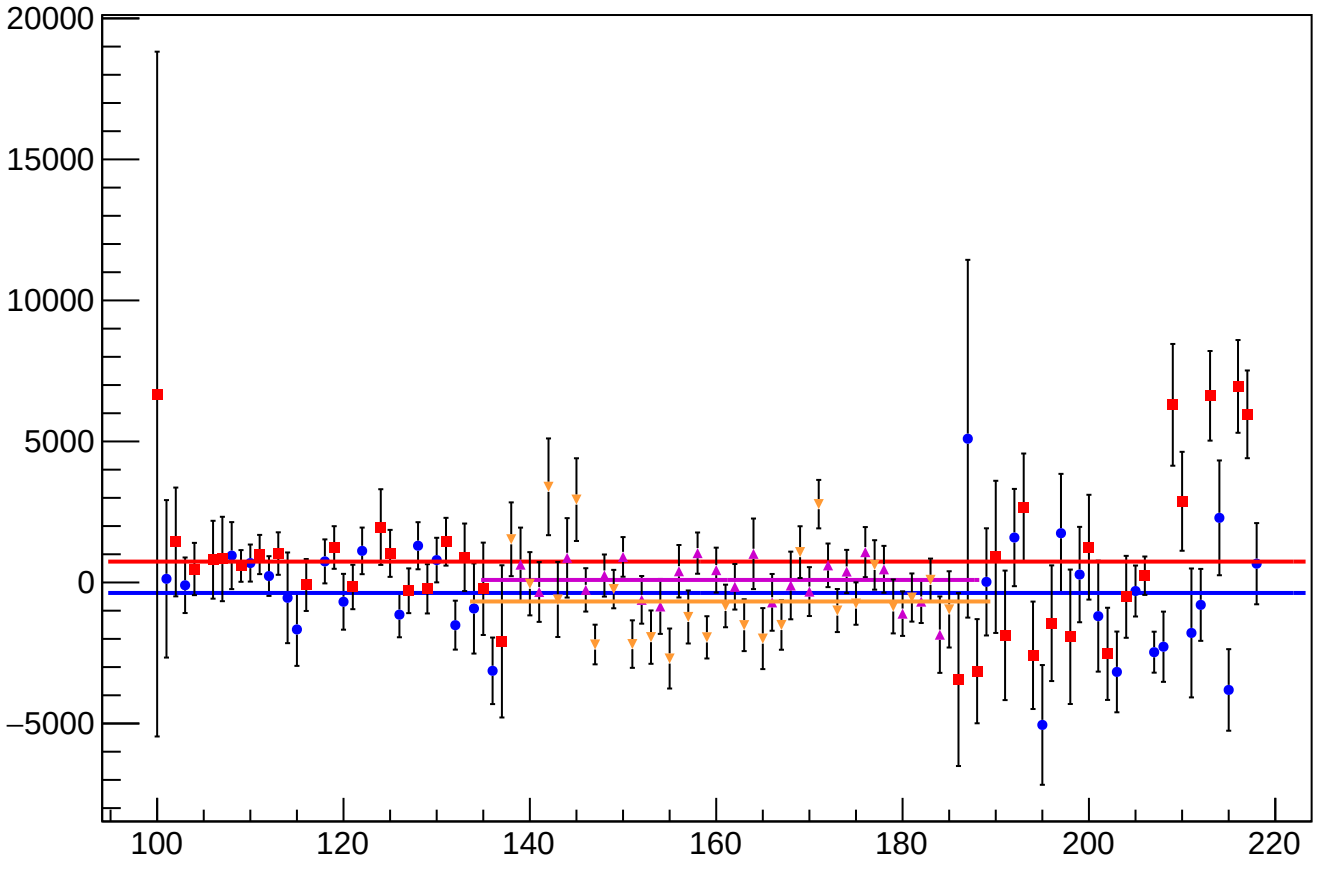
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2782.014+/-0.311 χ^2/NDF: 1232699.1/67

In: 2759.220+/-0.316 χ^2/NDF:757661.5/54

Out: 2762.020+/-0.310 χ^2/NDF:490279.9/60

All: 2760.644+/-0.221 χ^2/NDF: 1247981.3/11



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: 740.130+/-188.445 χ^2/NDF: 76.1/35

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

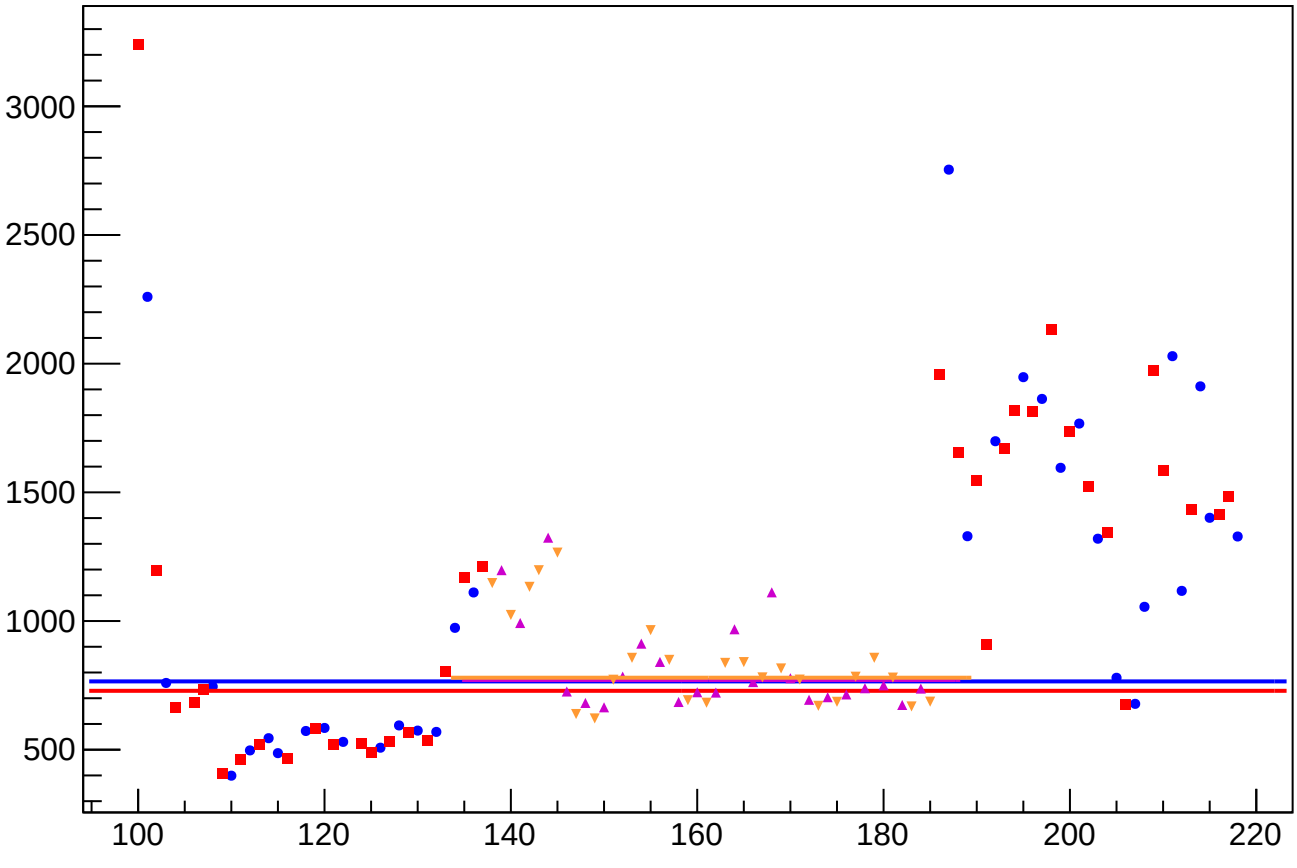
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 203.225+/-135.504 χ^2/NDF: 149.7/67

In: -126.985+/-133.627 χ^2/NDF:74.5/54

Out: 5.682+/-130.625 χ^2/NDF:163.7/60

All: -59.145+/-93.409 χ^2/NDF: 238.7/115



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: 728.801+/-0.133 χ^2/NDF: 9614061.0/35

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

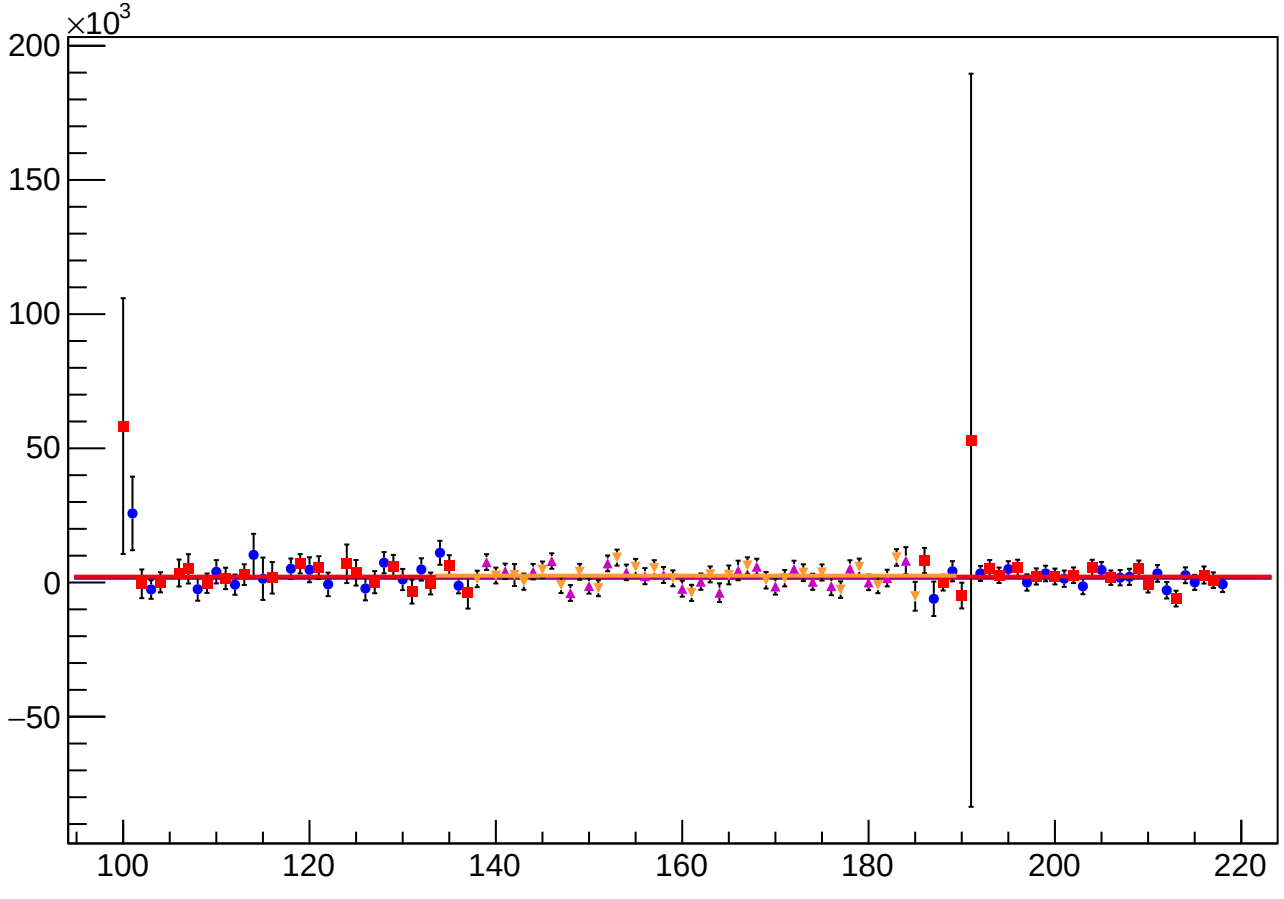
Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

Right: 746.487+/-0.096 χ^2/NDF: 17985271.4/67

In: 768.273+/-0.094 χ^2/NDF:9411831.3/54

Out: 755.250+/-0.092 χ^2/NDF:10933670.5/60

All: 761.614+/-0.066 χ^2/NDF: 20355215.9/11



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: 2184.519+/-619.764 χ^2/NDF: 28.5/35

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

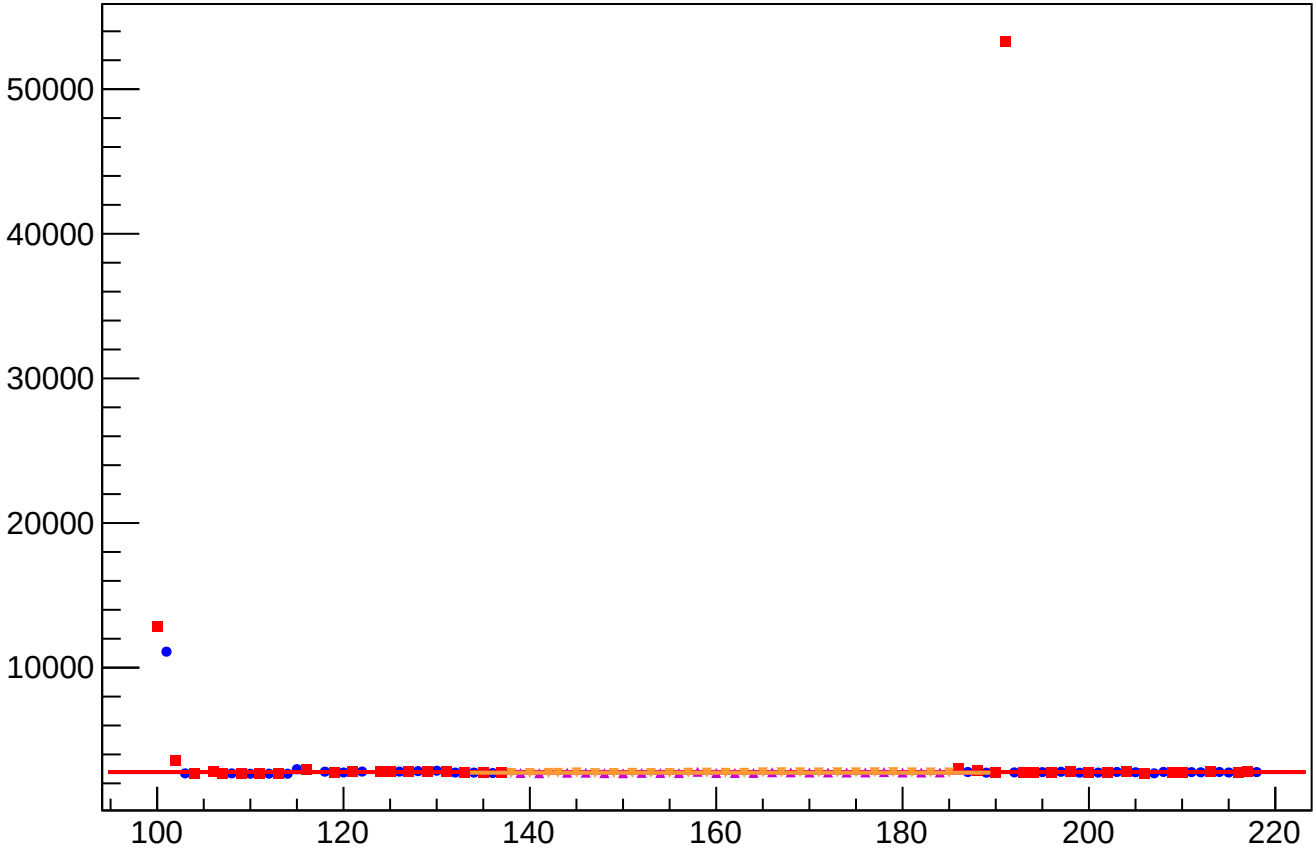
Right: 1988.970+/-439.597 χ^2/NDF: 56.5/67

In: 2091.850+/-446.552 χ^2/NDF:59.6/54

Out: 2370.034+/-438.968 χ^2/NDF:60.3/60

All: 2233.325+/-313.044 χ^2/NDF: 120.1/115

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: 2786.358+/-0.438 χ^2/NDF: 481773.0/35

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

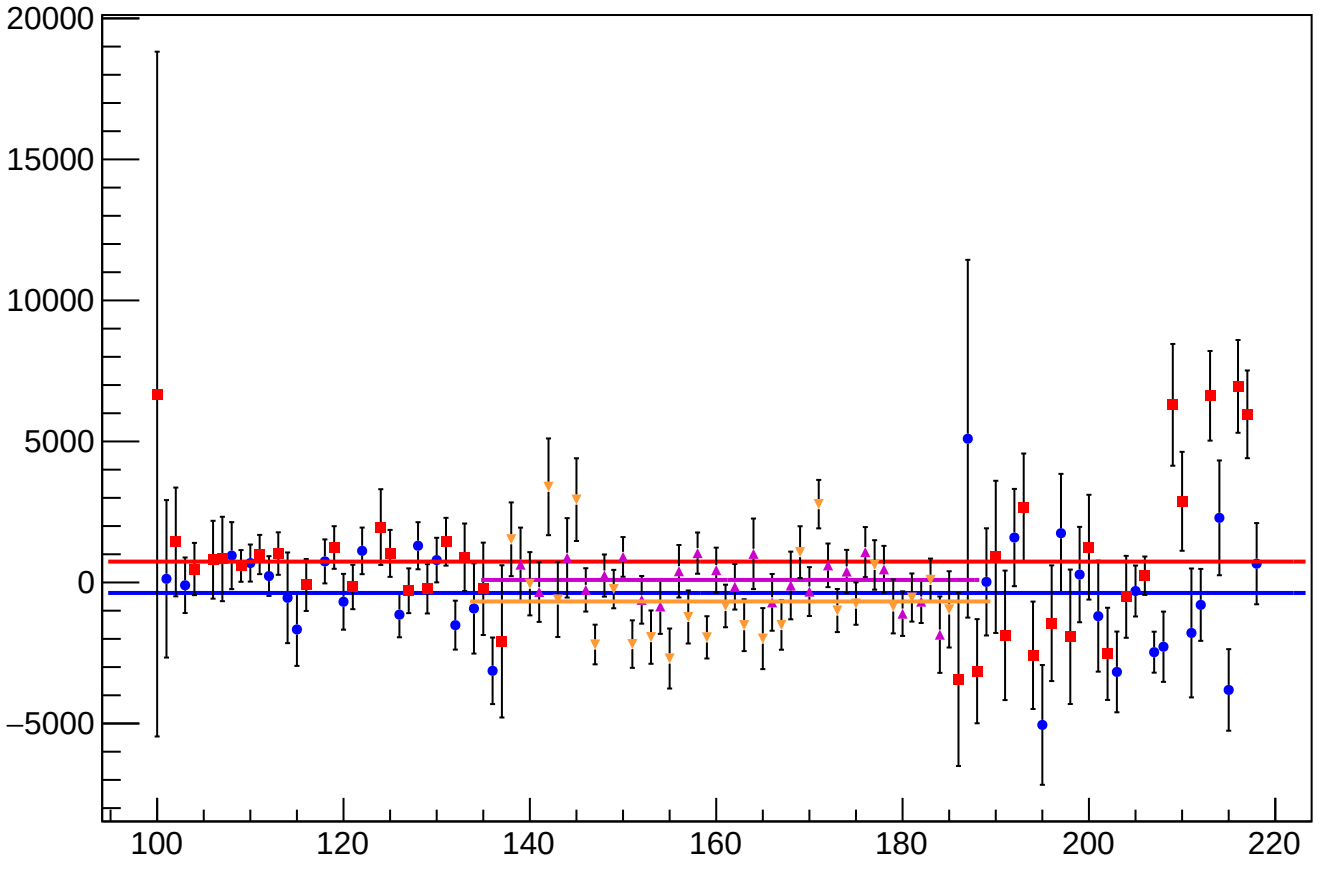
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2782.014+/-0.311 χ^2/NDF: 1232699.1/67

In: 2759.220+/-0.316 χ^2/NDF:757661.5/54

Out: 2762.020+/-0.310 χ^2/NDF:490279.9/60

All: 2760.644+/-0.221 χ^2/NDF: 1247981.3/11



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: 740.130+/-188.445 χ^2/NDF: 76.1/35

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

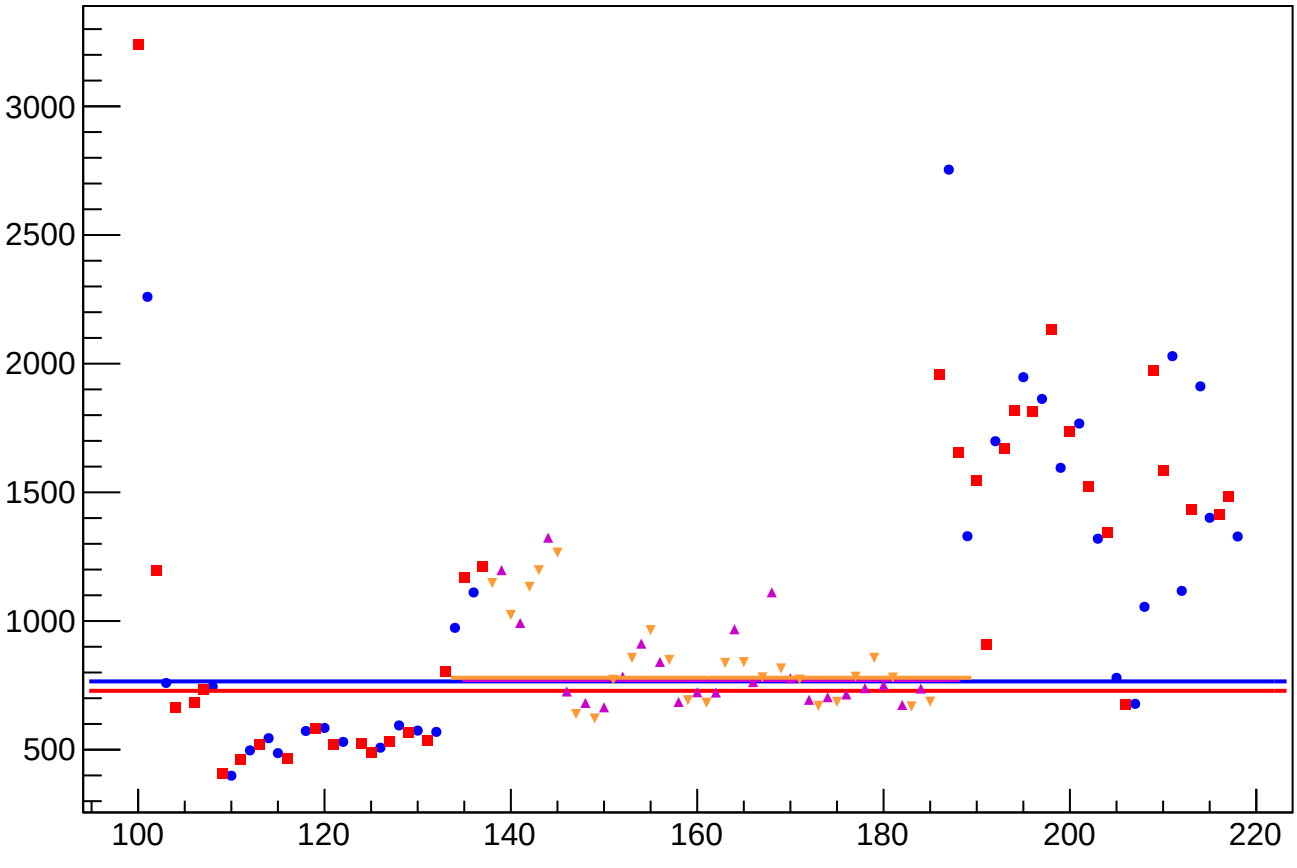
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 203.225+/-135.504 χ^2/NDF: 149.7/67

In: -126.985+/-133.627 χ^2/NDF:74.5/54

Out: 5.682+/-130.625 χ^2/NDF:163.7/60

All: -59.145+/-93.409 χ^2/NDF: 238.7/115



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: 728.801+/-0.133 χ^2/NDF: 9614061.0/35

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

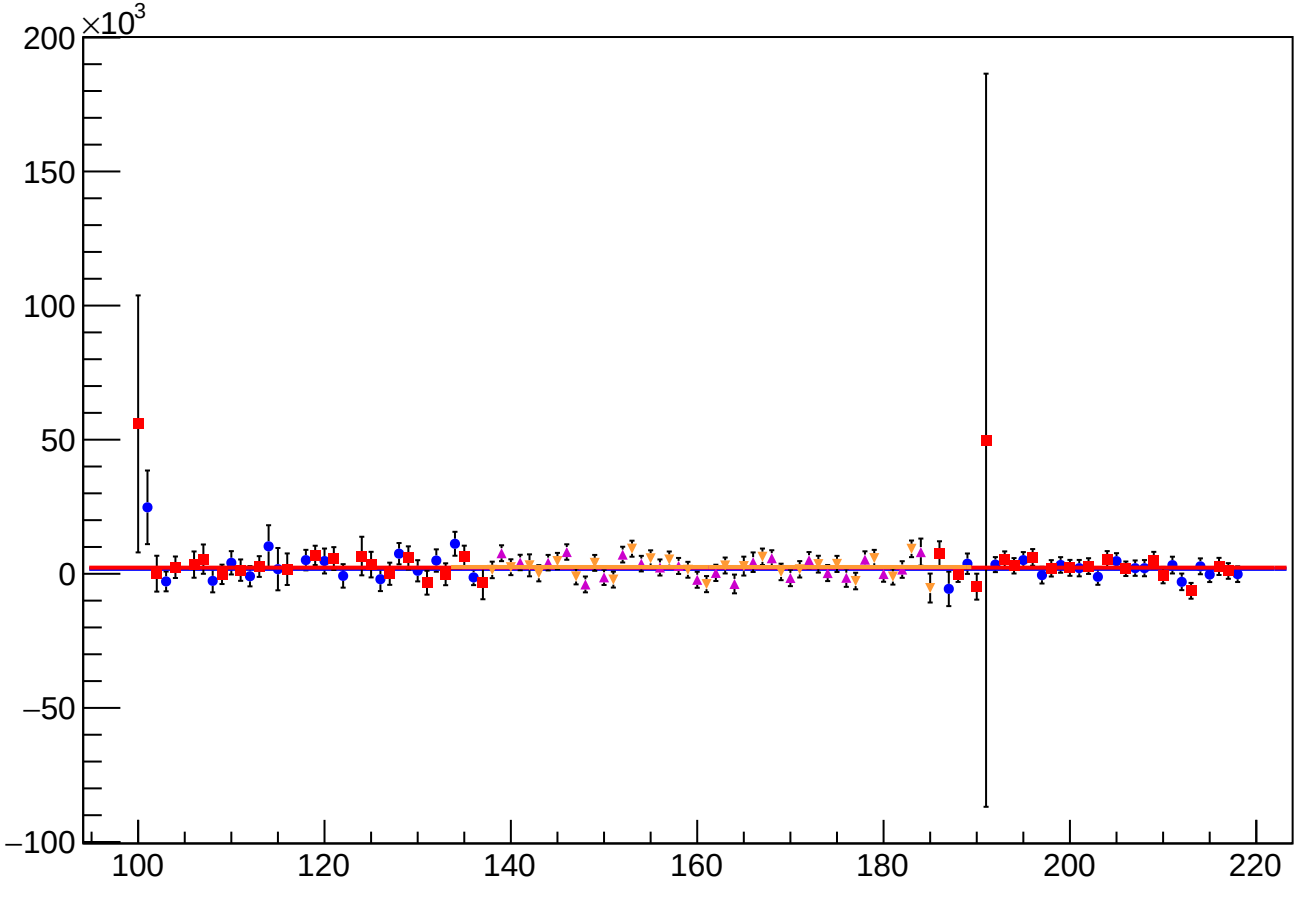
Right: 746.487+/-0.096 χ^2/NDF: 17985271.4/67

In: 768.273+/-0.094 χ^2/NDF:9411831.3/54

Out: 755.250+/-0.092 χ^2/NDF:10933670.5/60

All: 761.614+/-0.066 χ^2/NDF: 20355215.9/11

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: 2295.634+/-624.183 χ^2/NDF: 28.3/35

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

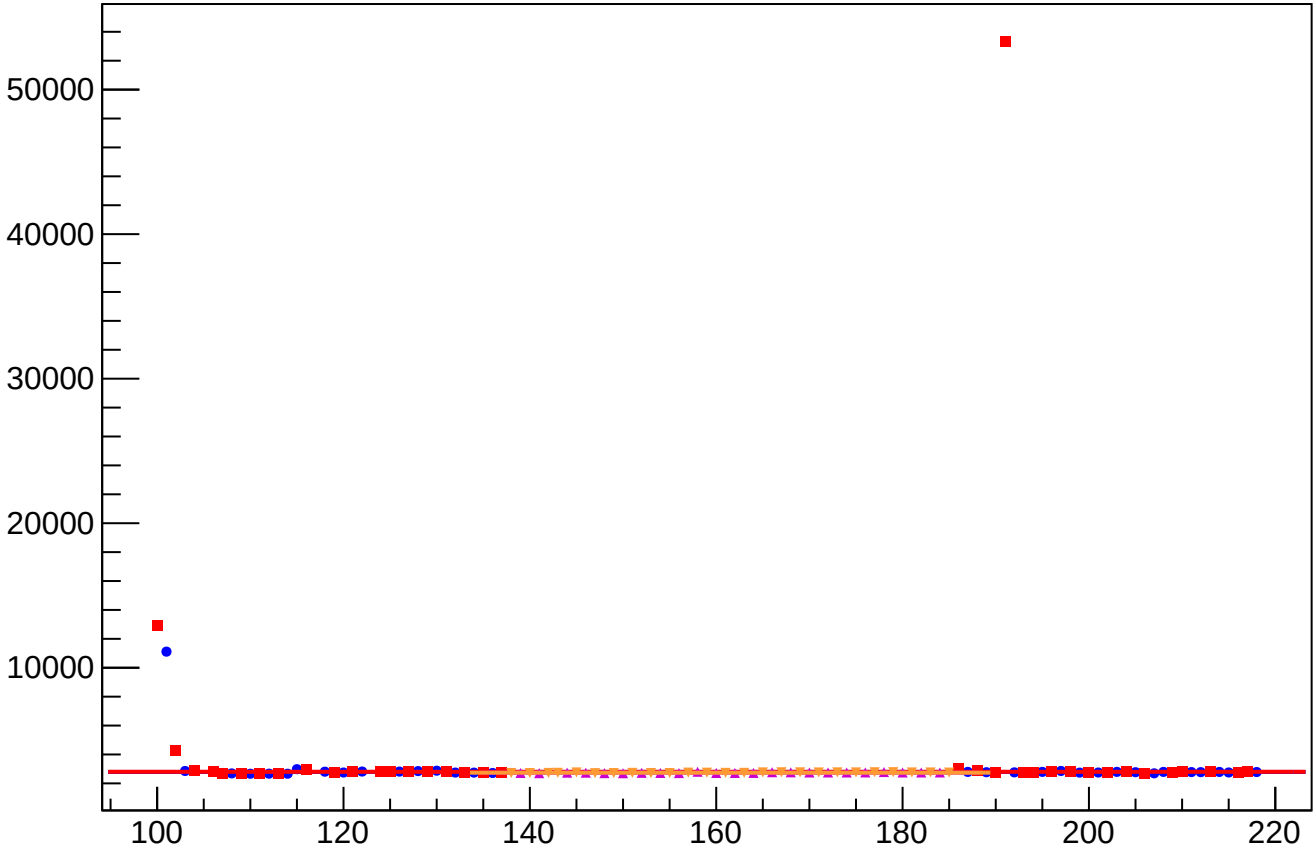
Right: 2065.378+/-442.240 χ^2/NDF: 56.2/67

In: 2113.997+/-447.790 χ^2/NDF:59.9/54

Out: 2420.729+/-440.674 χ^2/NDF:60.2/60

All: 2269.819+/-314.089 χ^2/NDF: 120.3/115

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: 2801.326+/-0.441 χ^2/NDF: 535660.1/35

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

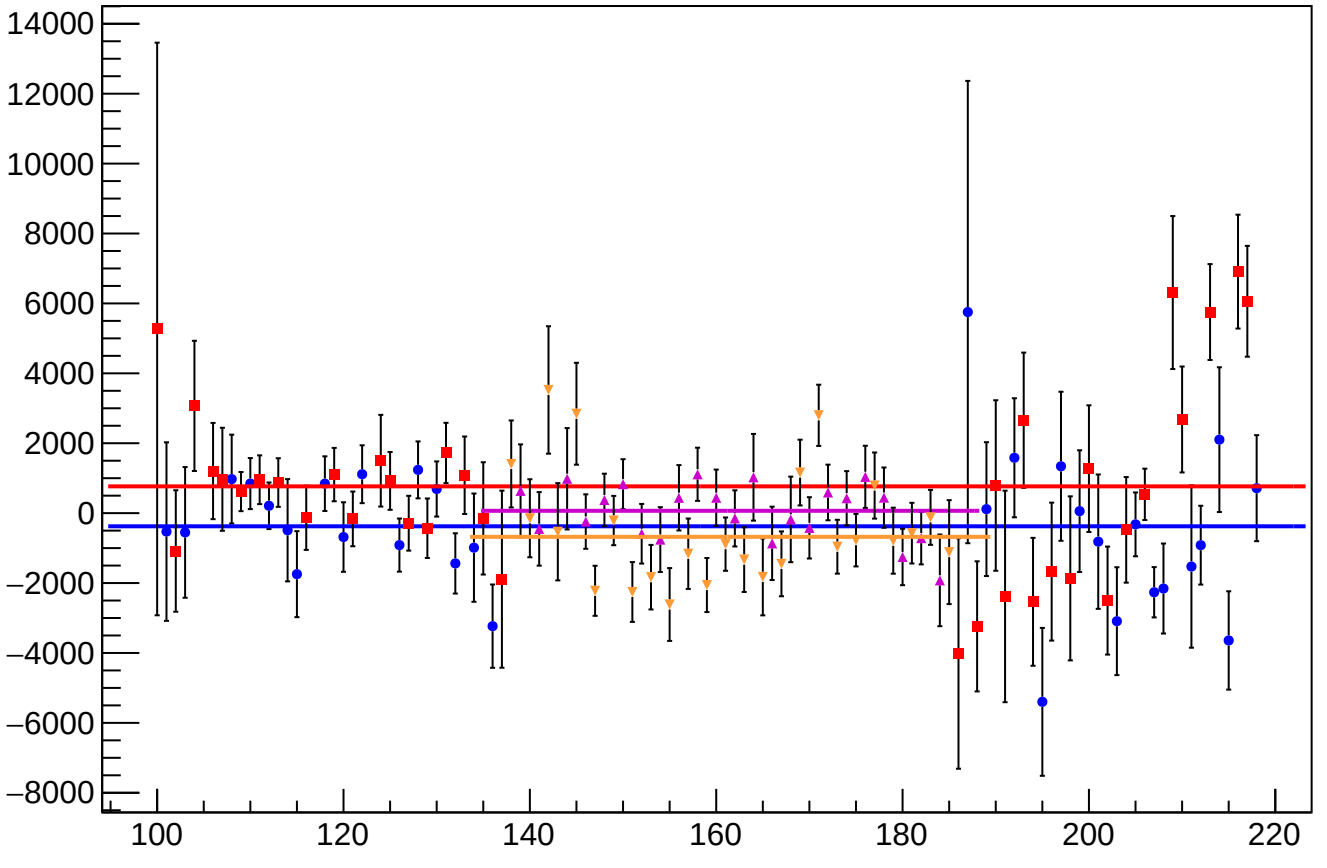
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2796.206+/-0.313 χ^2/NDF: 1286475.6/67

In: 2766.744+/-0.317 χ^2/NDF:760060.4/54

Out: 2770.218+/-0.312 χ^2/NDF:547886.7/60

All: 2768.509+/-0.222 χ^2/NDF: 1308008.3/11



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: 766.107+/-189.505 χ^2/NDF: 79.5/35

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

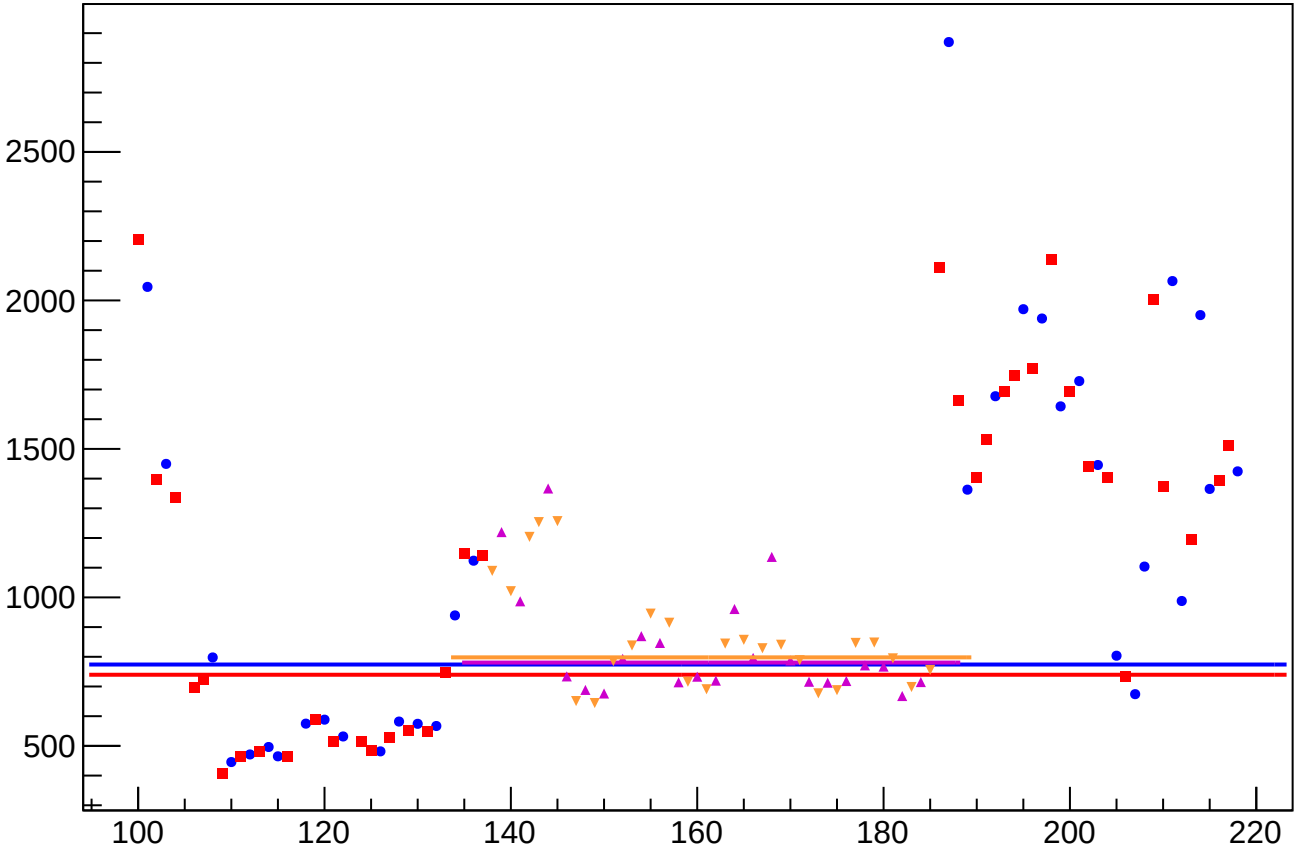
Right: 217.524+/-136.634 χ^2/NDF: 150.7/67

In: -141.020+/-135.085 χ^2/NDF:72.3/54

Out: 26.585+/-132.380 χ^2/NDF:165.4/60

All: -55.523+/-94.549 χ^2/NDF: 238.5/115

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



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: 739.513+/-0.134 χ^2/NDF: 9897591.4/35

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

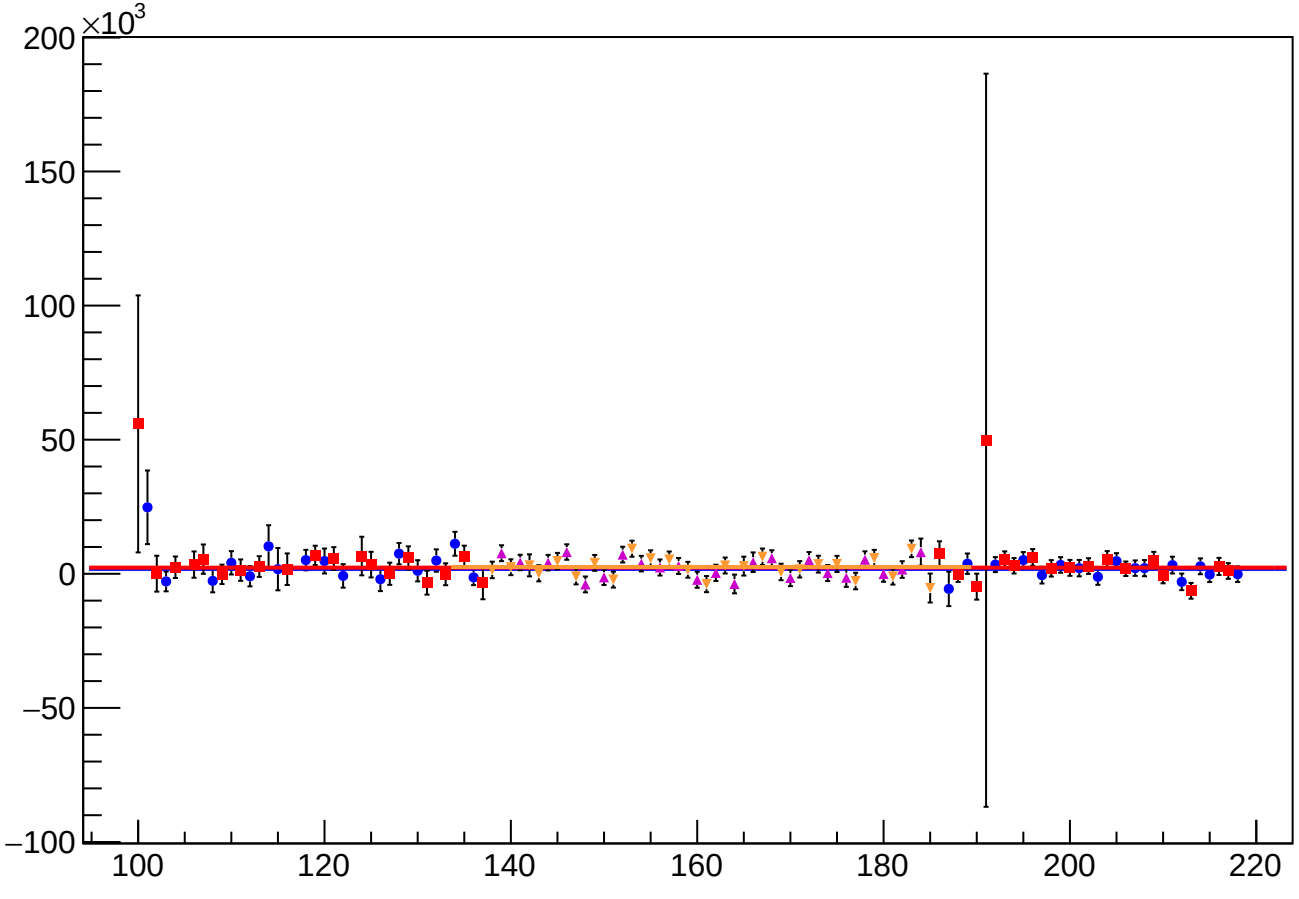
Right: 756.052+/-0.097 χ^2/NDF: 18709924.8/67

In: 777.443+/-0.096 χ^2/NDF:9846612.3/54

Out: 769.506+/-0.094 χ^2/NDF:11163791.5/60

All: 773.394+/-0.067 χ^2/NDF: 21013925.9/11

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: 2295.632+/-624.183 χ^2/NDF: 28.3/35

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

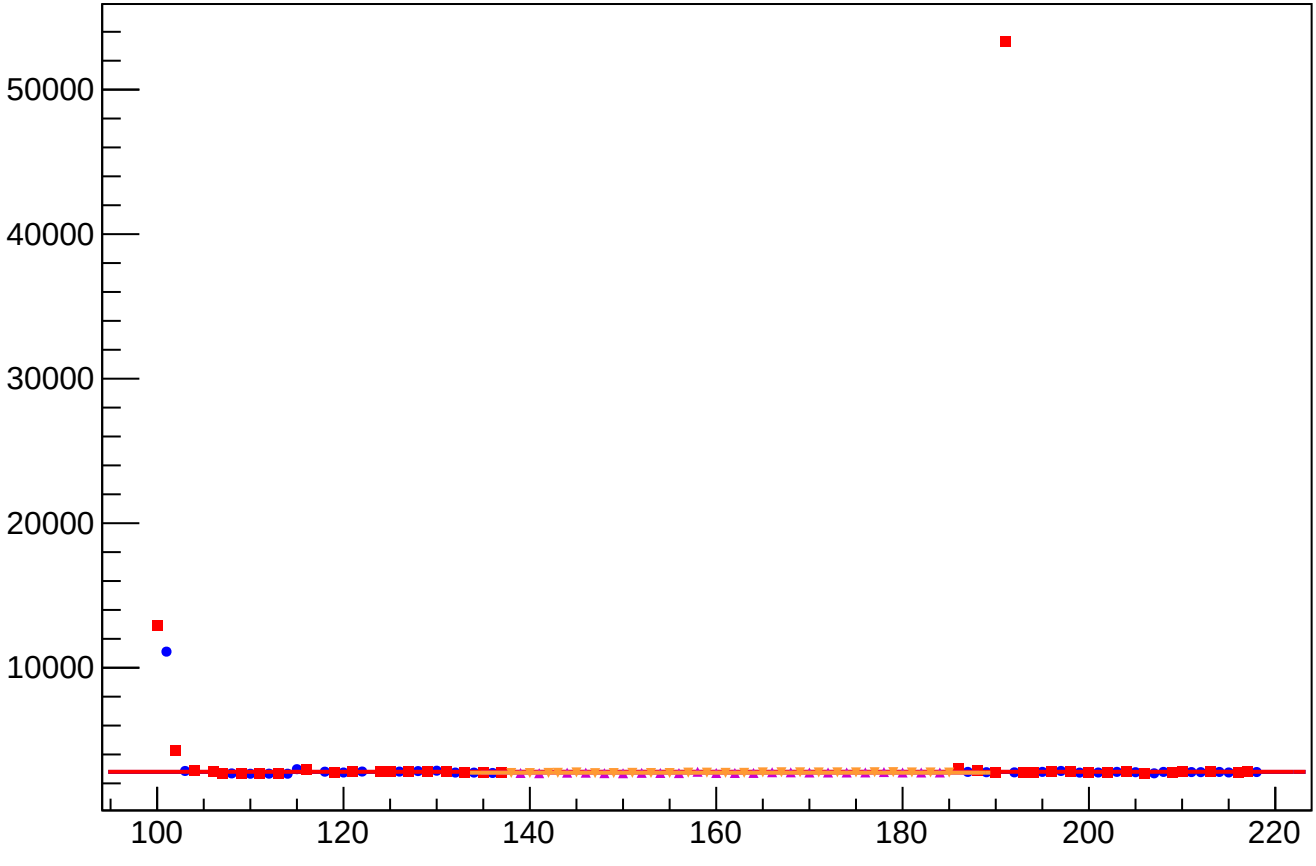
Right: 2065.378+/-442.240 χ^2/NDF: 56.2/67

In: 2113.998+/-447.790 χ^2/NDF:59.9/54

Out: 2420.728+/-440.674 χ^2/NDF:60.2/60

All: 2269.819+/-314.089 χ^2/NDF: 120.3/115

eigen_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: 2801.326+/-0.441 χ^2/NDF: 535659.9/35

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

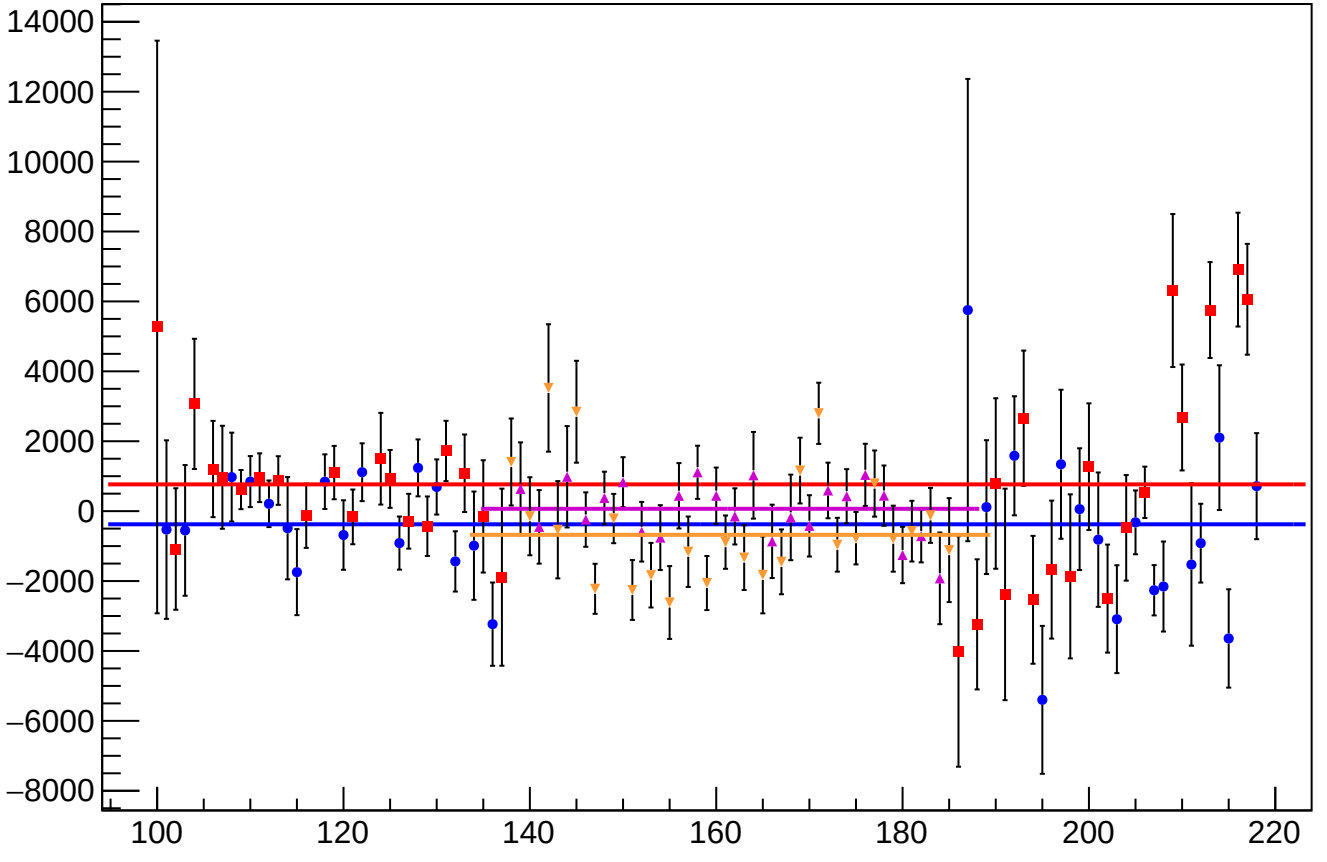
Right: 2796.206+/-0.313 χ^2/NDF: 1286475.4/67

In: 2766.744+/-0.317 χ^2/NDF:760060.4/54

Out: 2770.218+/-0.312 χ^2/NDF:547886.5/60

All: 2768.509+/-0.222 χ^2/NDF: 1308008.0/11

asym_atr1_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 766.106+/-189.505 χ^2/NDF: 79.5/35

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

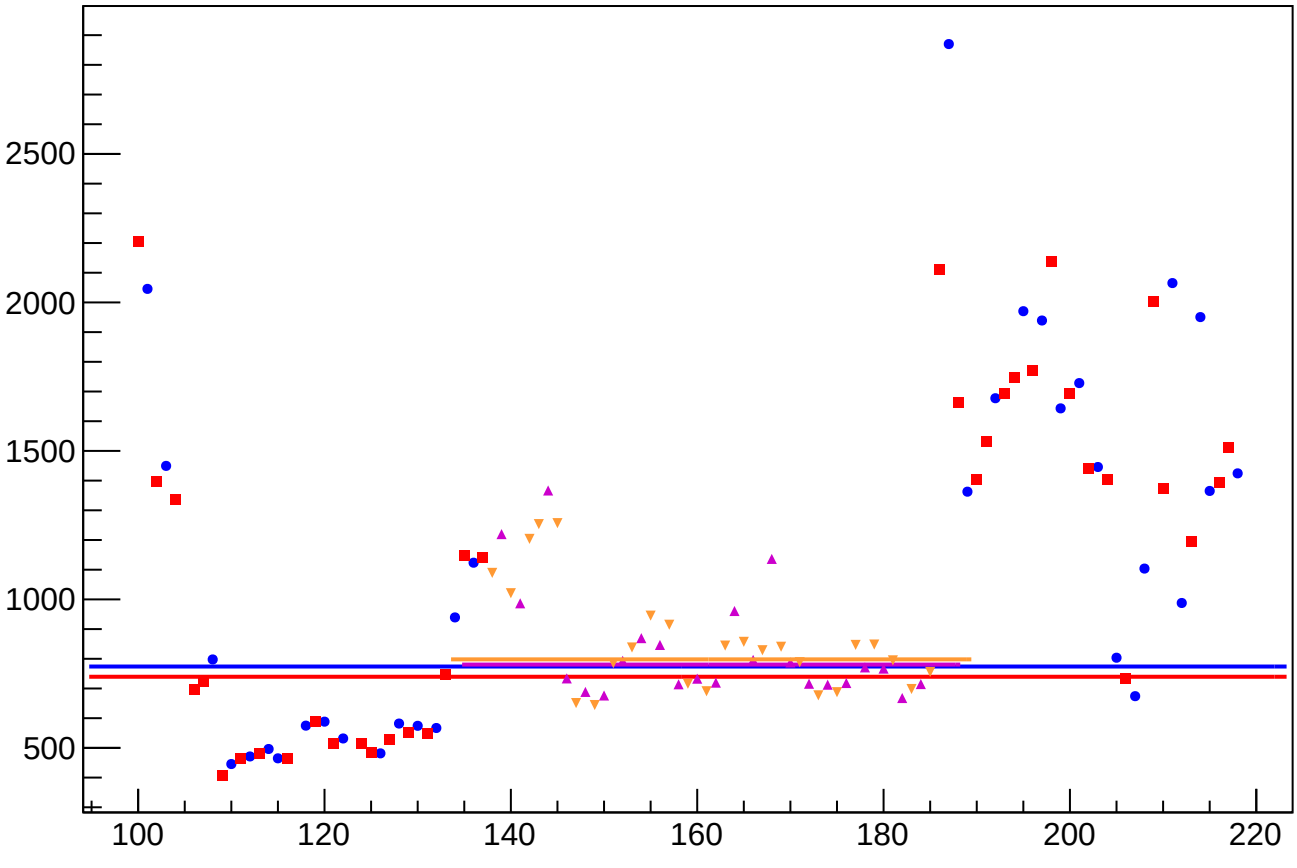
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 217.524+/-136.634 χ^2/NDF: 150.7/67

In: -141.019+/-135.085 χ^2/NDF:72.3/54

Out: 26.584+/-132.380 χ^2/NDF:165.4/60

All: -55.523+/-94.549 χ^2/NDF: 238.5/115



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: 739.513+/-0.134 χ^2/NDF: 9897601.5/35

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

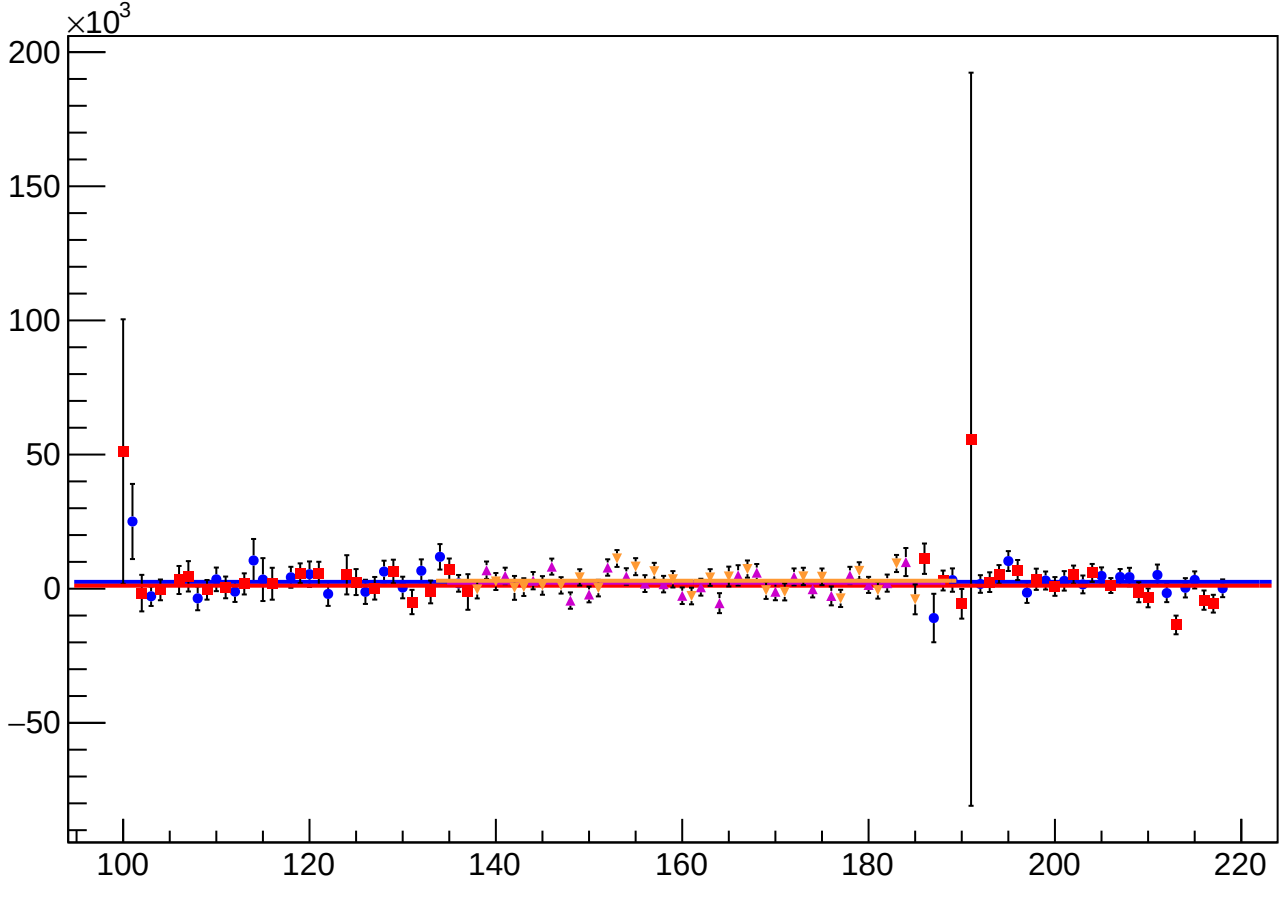
Right: 756.052+/-0.097 χ^2/NDF: 18709937.7/67

In: 777.443+/-0.096 χ^2/NDF:9846617.4/54

Out: 769.506+/-0.094 χ^2/NDF:11163803.1/60

All: 773.394+/-0.067 χ^2/NDF: 21013942.5/11

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: 1122.011+/-692.289 χ^2/NDF: 50.0/35

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

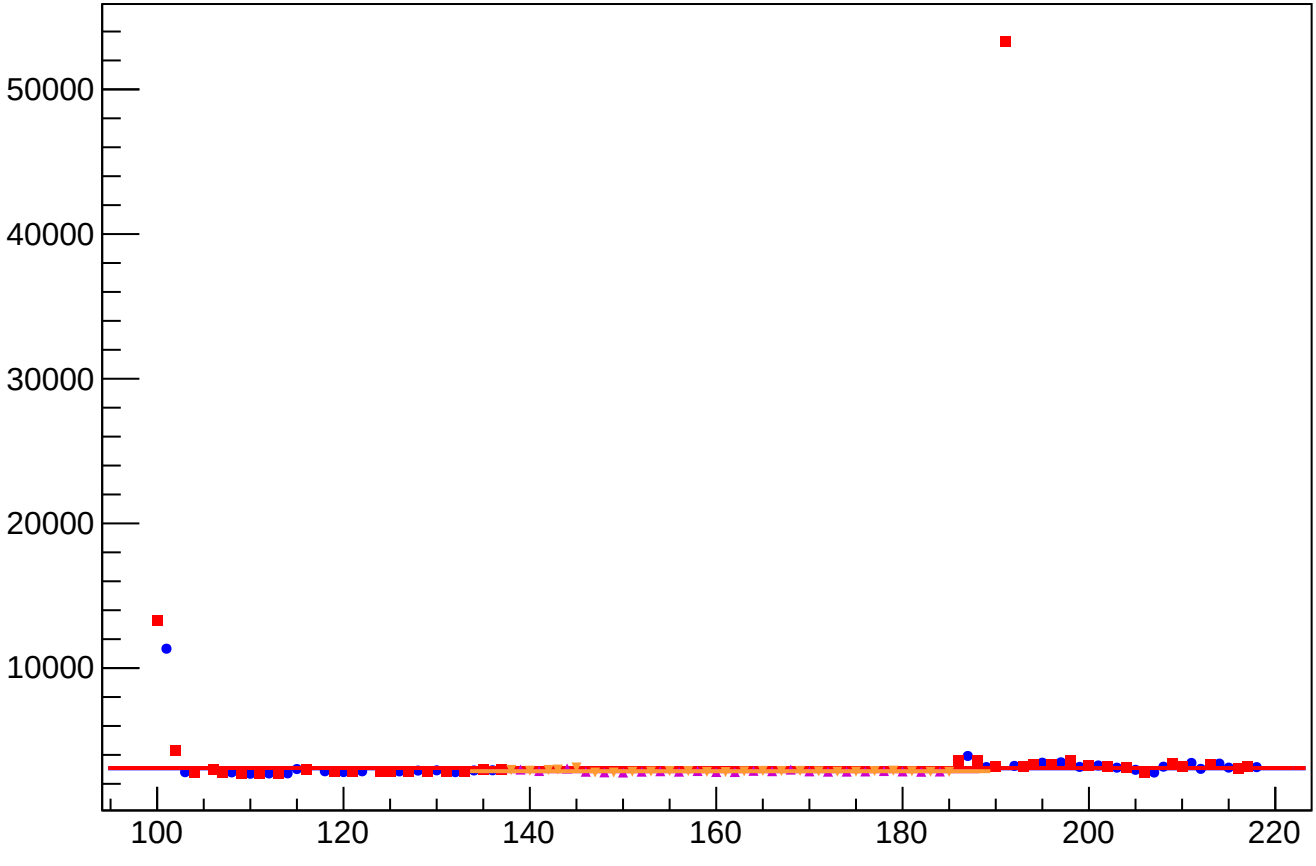
Right: 1833.787+/-489.391 χ^2/NDF: 81.0/67

In: 2386.277+/-481.445 χ^2/NDF:62.7/54

Out: 2099.176+/-475.133 χ^2/NDF:89.5/60

All: 2240.833+/-338.179 χ^2/NDF: 152.5/115

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: 3093.593+/-0.490 χ^2/NDF: 762990.3/35

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

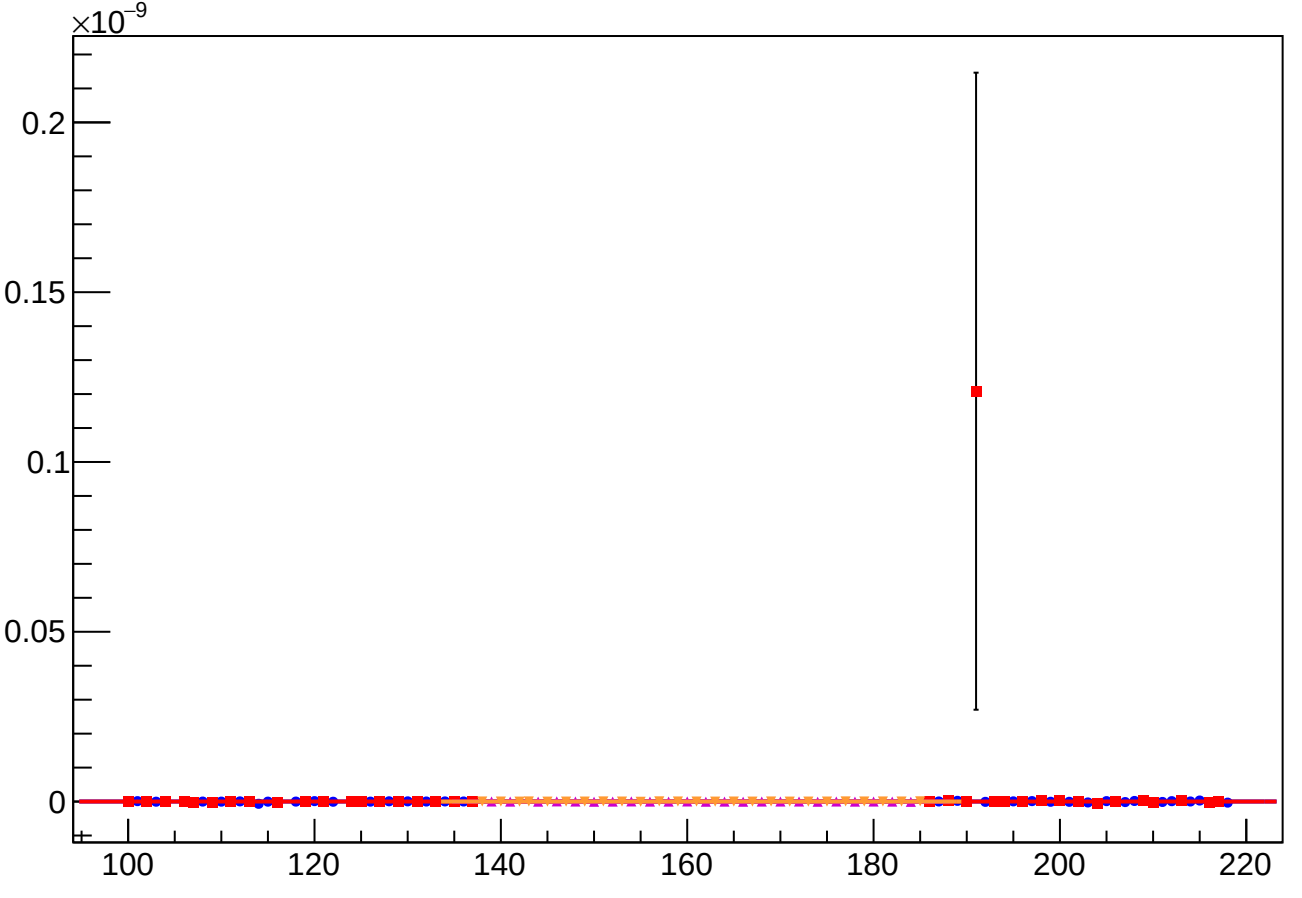
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3082.681+/-0.346 χ^2/NDF: 1692264.7/67

In: 2967.772+/-0.340 χ^2/NDF:1033576.8/54

Out: 2977.931+/-0.336 χ^2/NDF:890319.5/60

All: 2972.918+/-0.239 χ^2/NDF: 1924347.3/11



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: 45.7/35

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

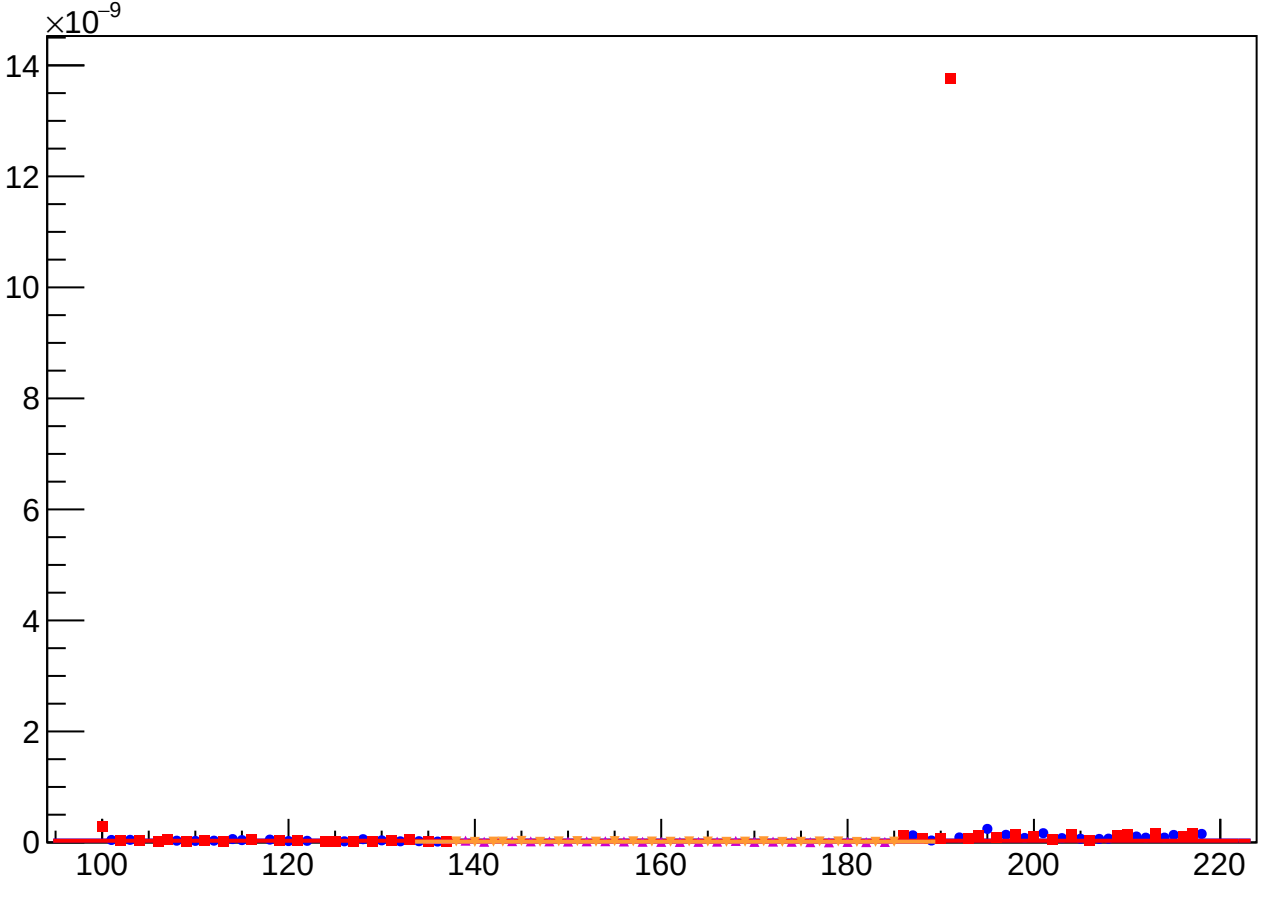
Right: 0.000+/-0.000 χ^2/NDF: 74.1/67

In: -0.000+/-0.000 χ^2/NDF:58.6/54

Out: 0.000+/-0.000 χ^2/NDF:60.6/60

All: -0.000+/-0.000 χ^2/NDF: 119.9/115

asym_atr1_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5795118.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5958997.2/35

Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4622592.8/47

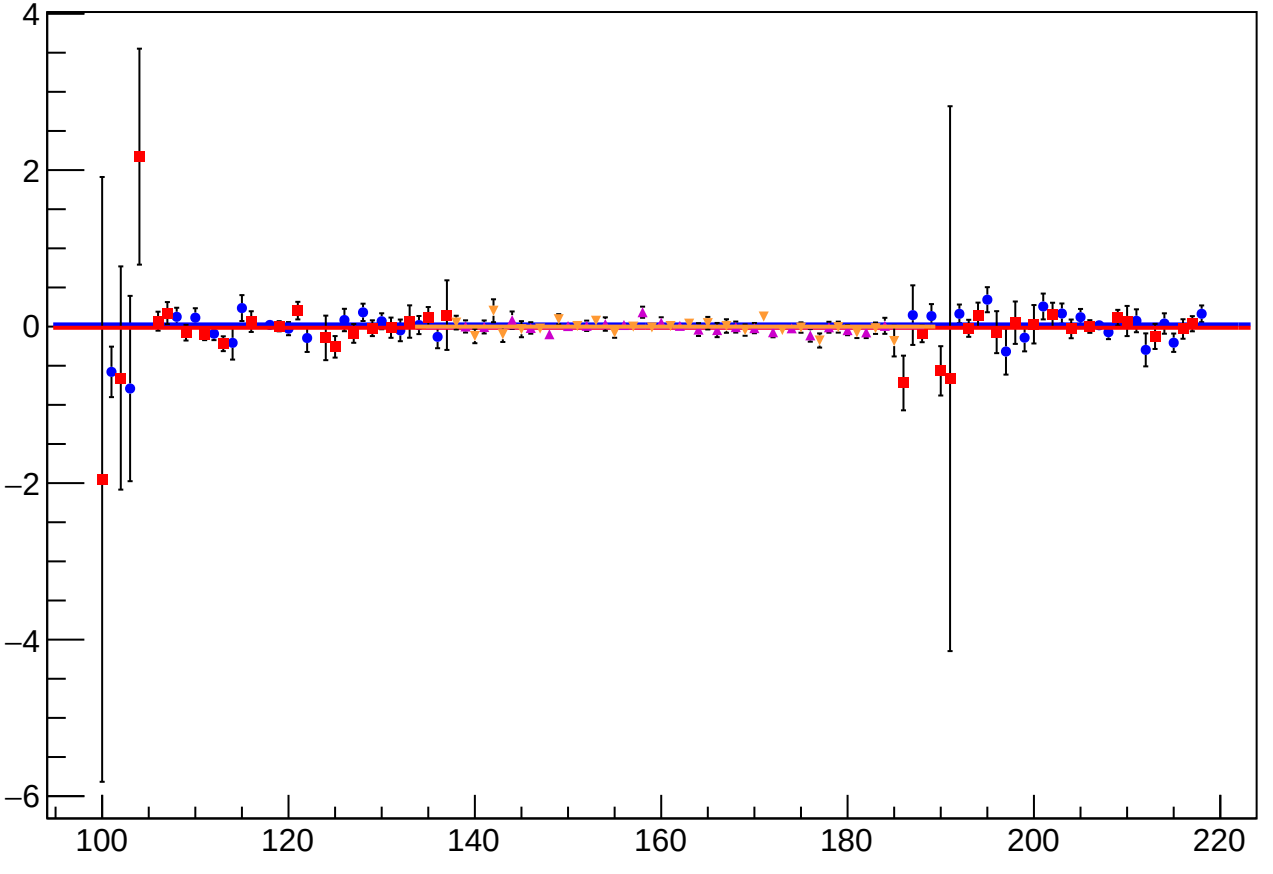
Right: 0.000+/-0.000 χ^2/NDF: 11827157.3/67

In: 0.000+/-0.000 χ^2/NDF:13212174.2/54

Out: 0.000+/-0.000 χ^2/NDF:9570115.1/60

All: 0.000+/-0.000 χ^2/NDF: 23023360.8/115

asym_atr1_dit_vs_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: -0.015+/-0.022 χ^2/NDF: 33.5/35

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

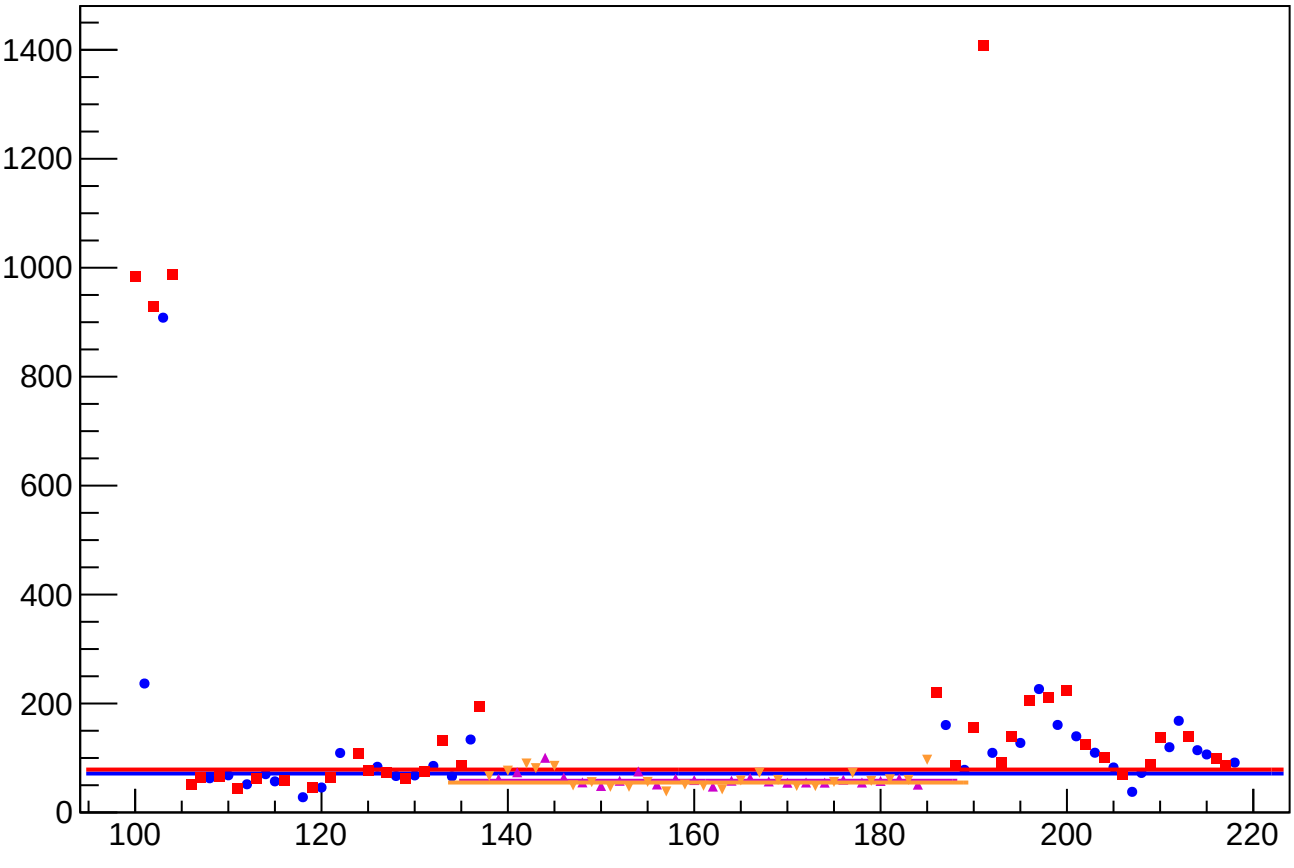
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.008+/-0.015 χ^2/NDF: 72.2/67

In: 0.004+/-0.012 χ^2/NDF:54.2/54

Out: -0.005+/-0.012 χ^2/NDF:56.4/60

All: -0.000+/-0.008 χ^2/NDF: 110.9/115



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: 78.746+/-0.015 χ^2/NDF: 6835125.4/35

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

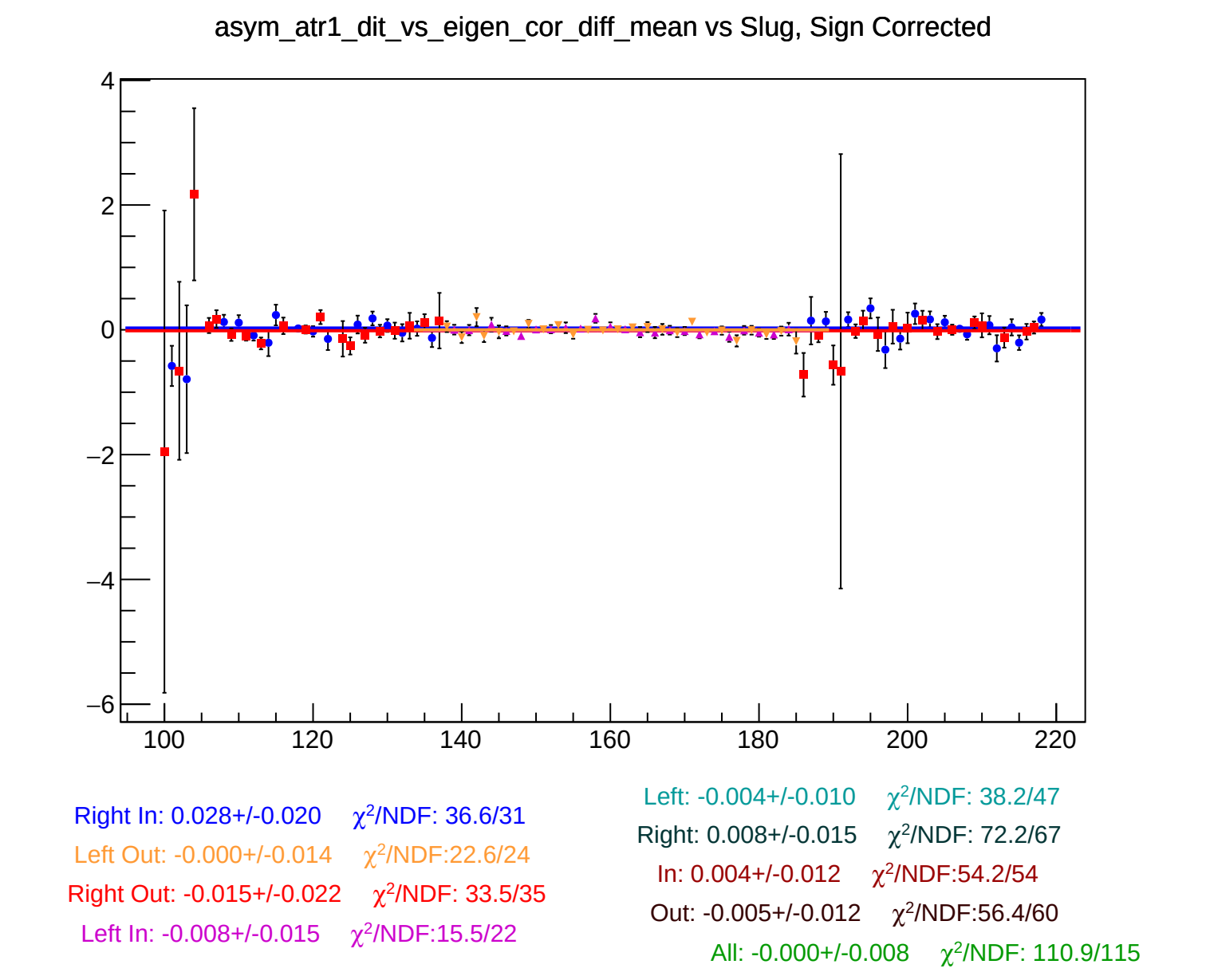
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 74.901+/-0.010 χ^2/NDF: 14661553.5/67

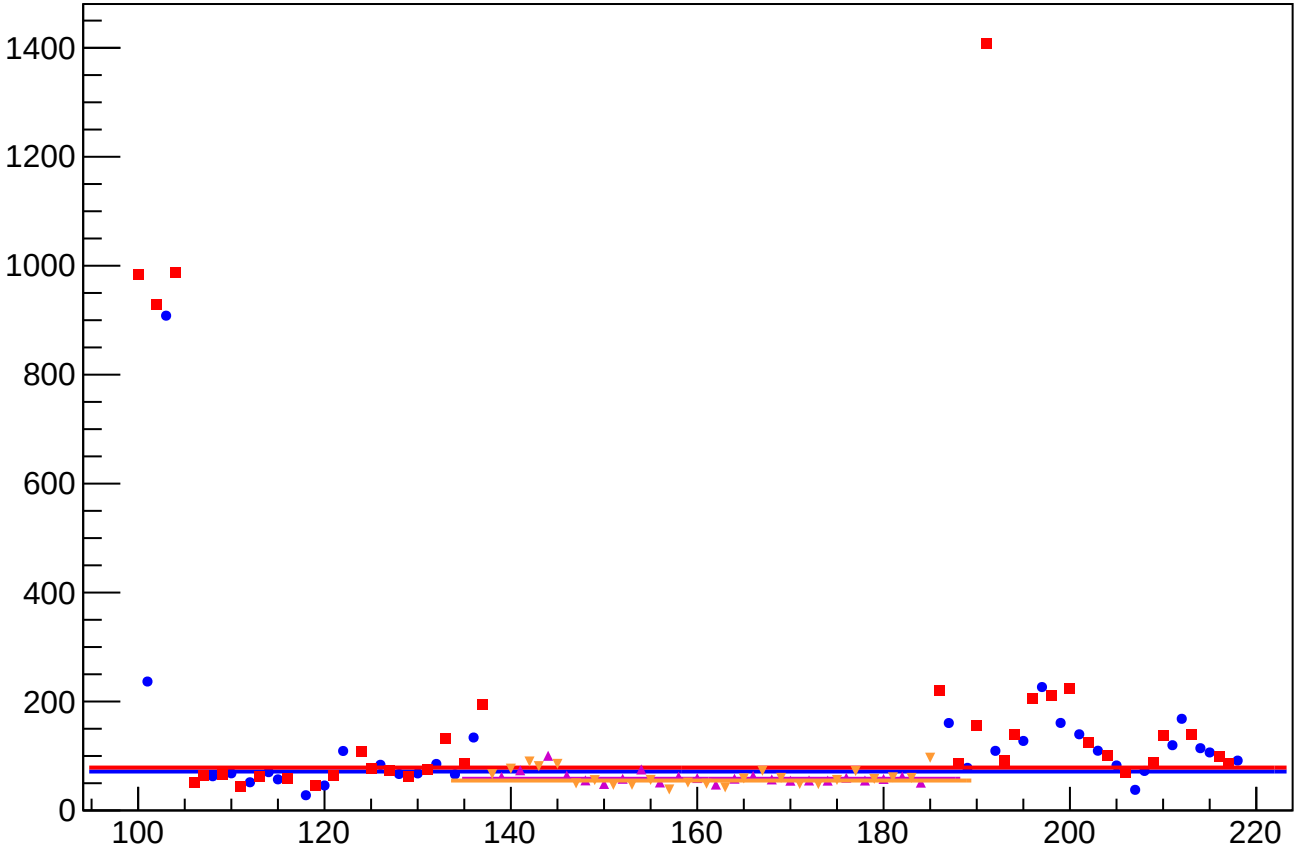
In: 62.772+/-0.008 χ^2/NDF:8926146.6/54

Out: 62.048+/-0.008 χ^2/NDF:9839108.3/60

All: 62.404+/-0.006 χ^2/NDF: 18768962.2/115


asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
200
220
Right In: 0.028+/-0.020 χ²/NDF: 36.6/31
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.015+/-0.022 χ²/NDF: 33.5/35
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.008+/-0.015 χ²/NDF: 72.2/67
In: 0.004+/-0.012 χ²/NDF:54.2/54
Out: -0.005+/-0.012 χ²/NDF:56.4/60
All: -0.000+/-0.008 χ²/NDF: 110.9/115

asym_atr1_dit_vs_eigen_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: 78.746+/-0.015 χ^2/NDF: 6835125.4/35

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

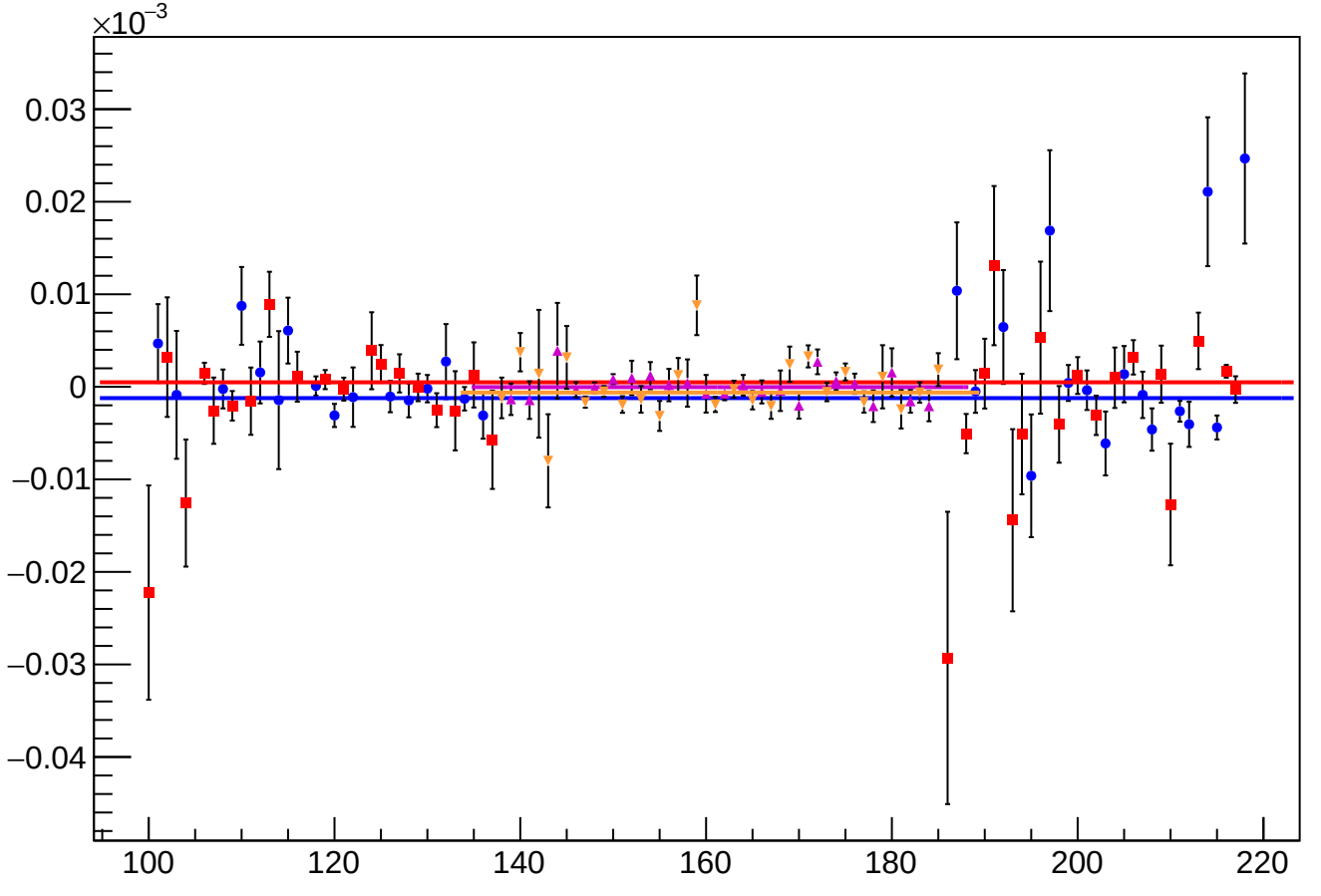
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 74.901+/-0.010 χ^2/NDF: 14661553.5/67

In: 62.772+/-0.008 χ^2/NDF:8926146.6/54

Out: 62.048+/-0.008 χ^2/NDF:9839108.3/60

All: 62.404+/-0.006 χ^2/NDF: 18768962.2/115



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: 56.6/35

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

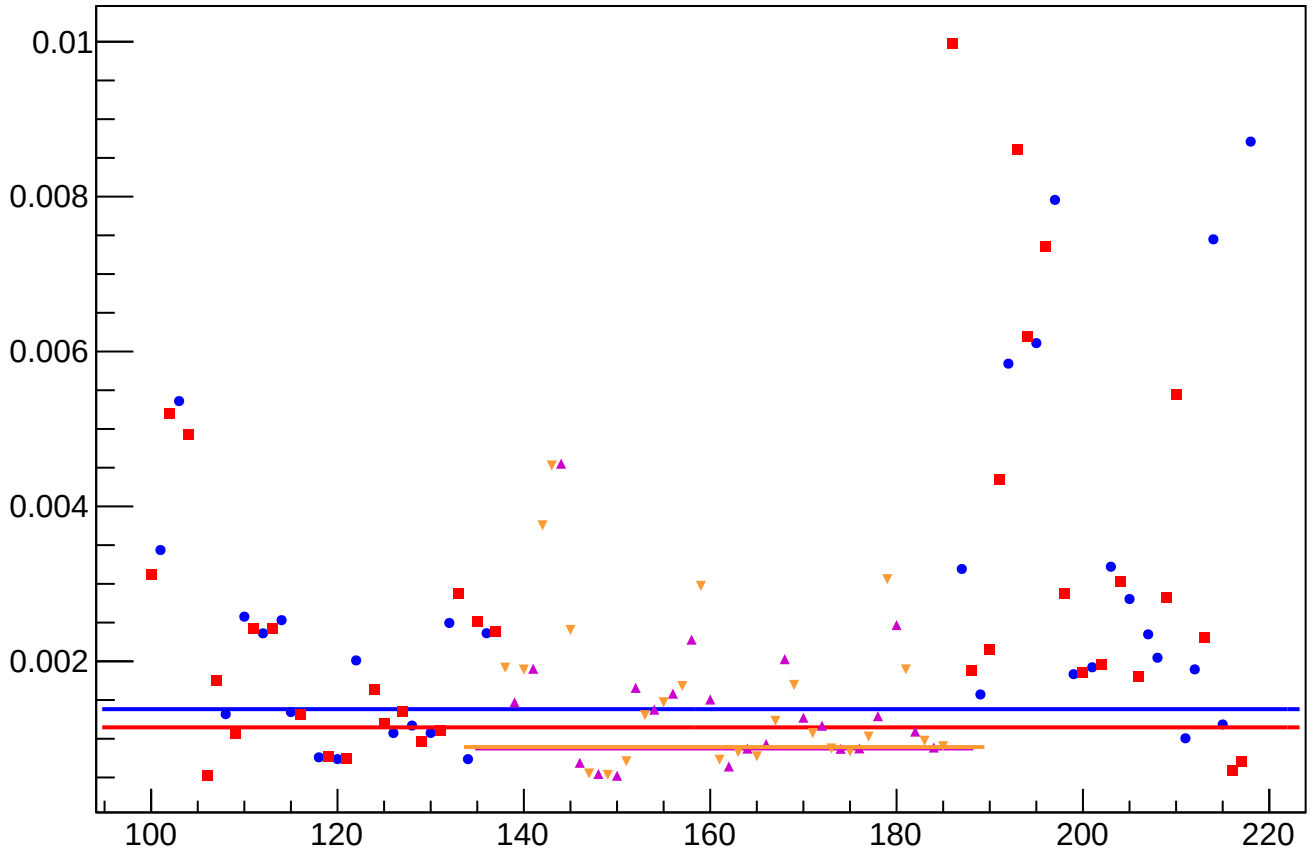
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 127.0/67

In: -0.000+/-0.000 χ^2/NDF:84.3/54

Out: -0.000+/-0.000 χ^2/NDF:116.6/60

All: -0.000+/-0.000 χ^2/NDF: 201.1/115



Right In: 0.001+/-0.000 χ^2/NDF: 11815379.6/31

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 13774676.6/35

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

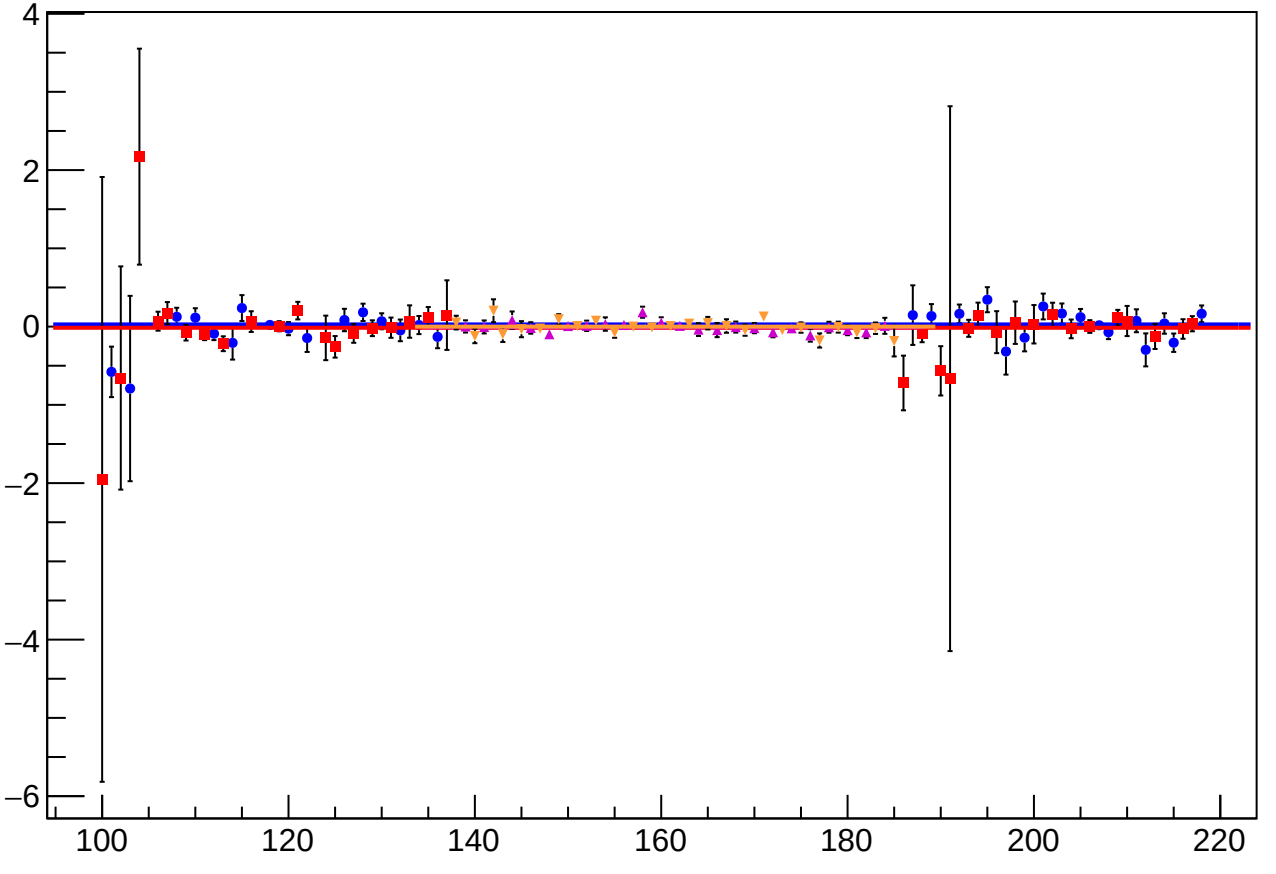
Right: 0.001+/-0.000 χ^2/NDF: 26019415.8/67

In: 0.001+/-0.000 χ^2/NDF:21375580.1/54

Out: 0.001+/-0.000 χ^2/NDF:22280457.6/60

All: 0.001+/-0.000 χ^2/NDF: 43704071.3/115

asym_atr1_eigen_dit_vs_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: -0.015+/-0.022 χ^2/NDF: 33.5/35

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

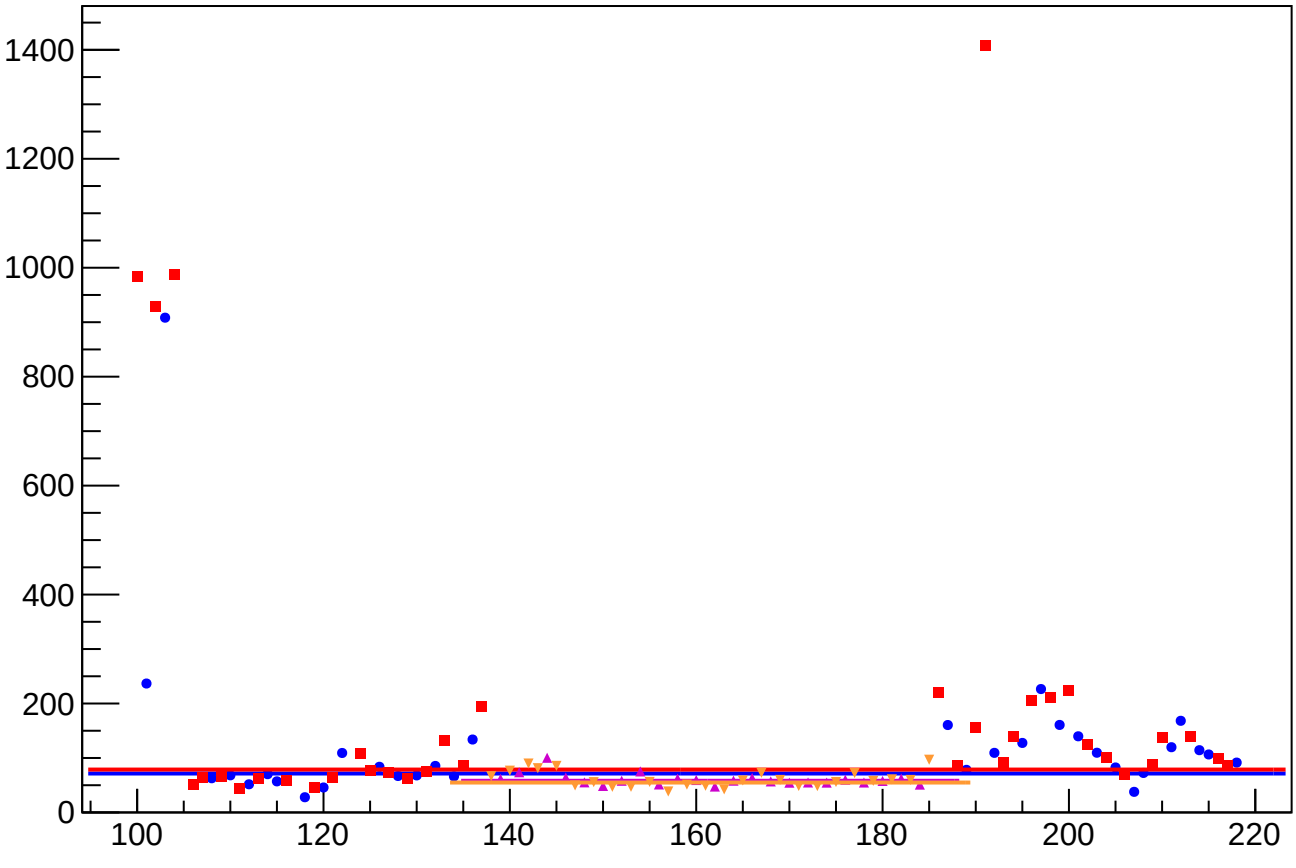
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.008+/-0.015 χ^2/NDF: 72.2/67

In: 0.004+/-0.012 χ^2/NDF:54.2/54

Out: -0.005+/-0.012 χ^2/NDF:56.4/60

All: -0.000+/-0.008 χ^2/NDF: 110.9/115



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: 78.745+/-0.015 χ^2/NDF: 6835156.0/35

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

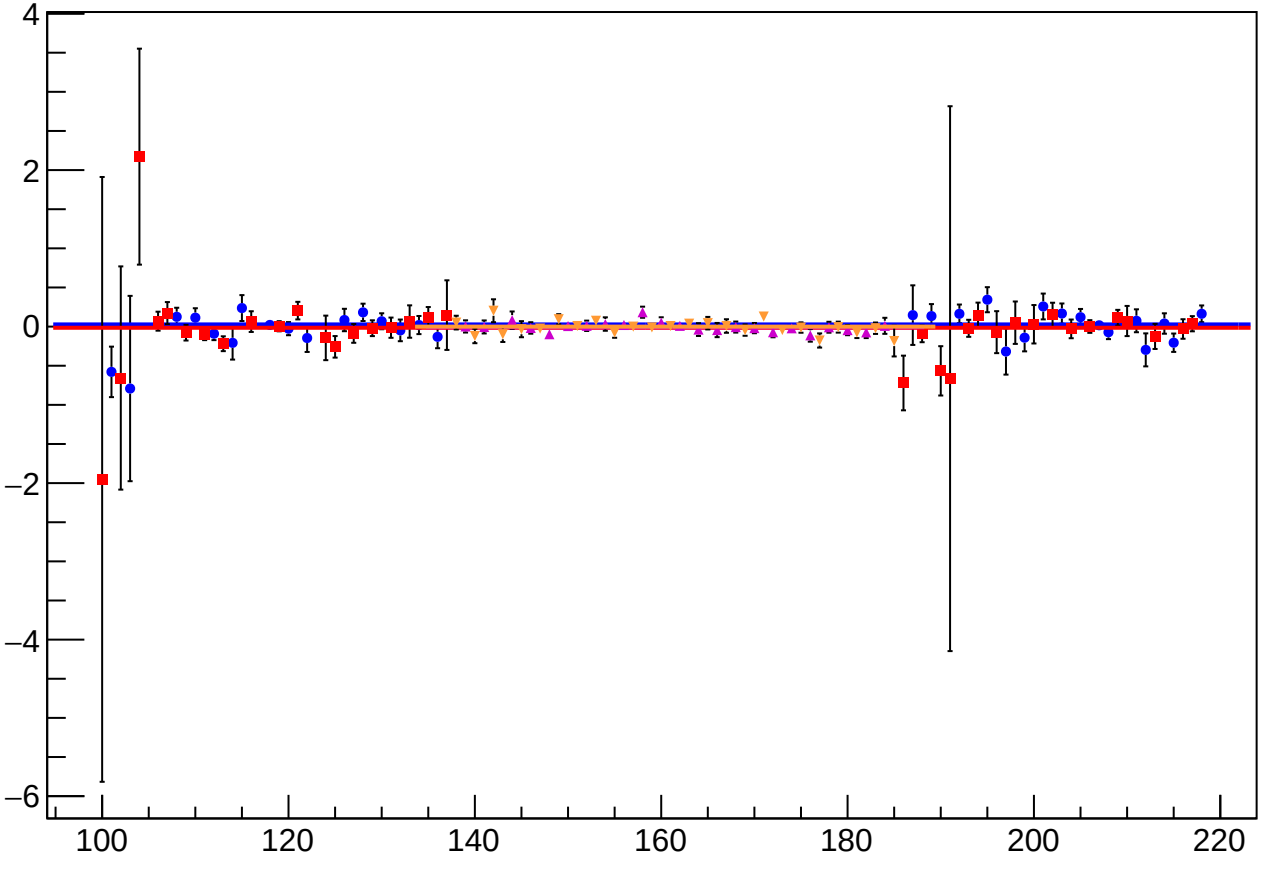
Right: 74.900+/-0.010 χ^2/NDF: 14661917.7/67

In: 62.772+/-0.008 χ^2/NDF:8926377.4/54

Out: 62.047+/-0.008 χ^2/NDF:9839254.7/60

All: 62.404+/-0.006 χ^2/NDF: 18769340.1/115

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: -0.015+/-0.022 χ^2/NDF: 33.5/35

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

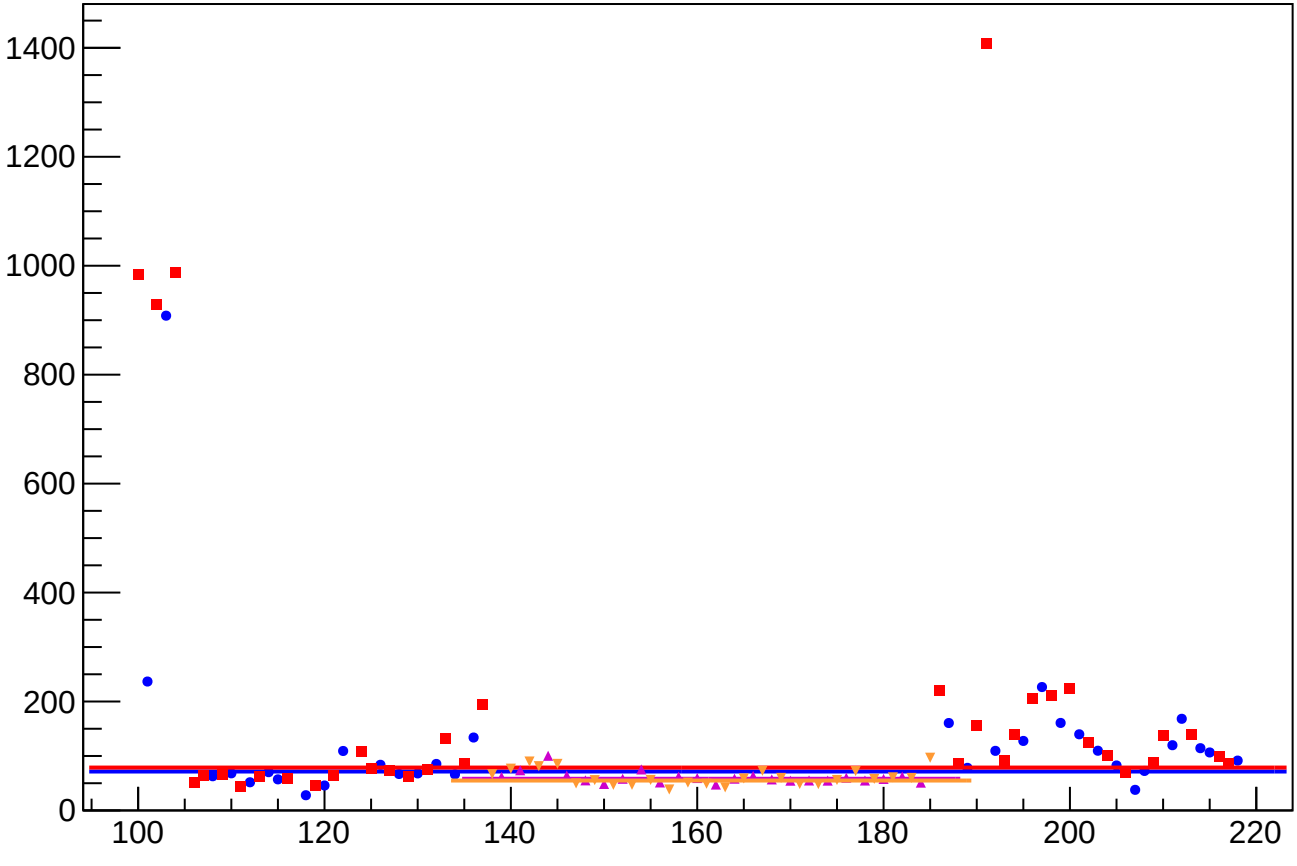
Right: 0.008+/-0.015 χ^2/NDF: 72.2/67

In: 0.004+/-0.012 χ^2/NDF:54.2/54

Out: -0.005+/-0.012 χ^2/NDF:56.4/60

All: -0.000+/-0.008 χ^2/NDF: 110.9/115

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: 78.745+/-0.015 χ^2/NDF: 6835156.0/35

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

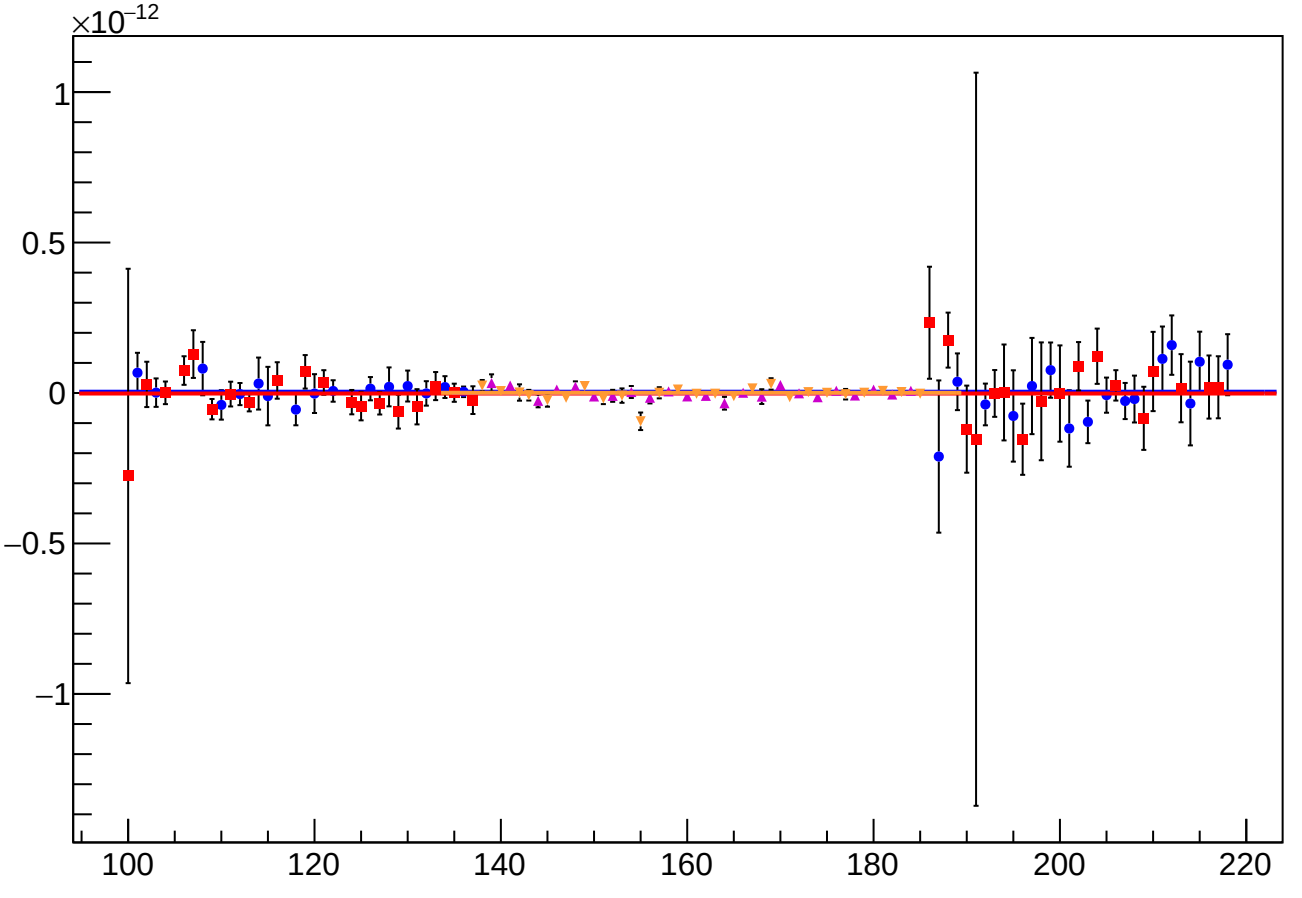
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 74.900+/-0.010 χ^2/NDF: 14661917.7/67

In: 62.772+/-0.008 χ^2/NDF:8926377.4/54

Out: 62.047+/-0.008 χ^2/NDF:9839254.7/60

All: 62.404+/-0.006 χ^2/NDF: 18769340.1/115



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: 28.5/35

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

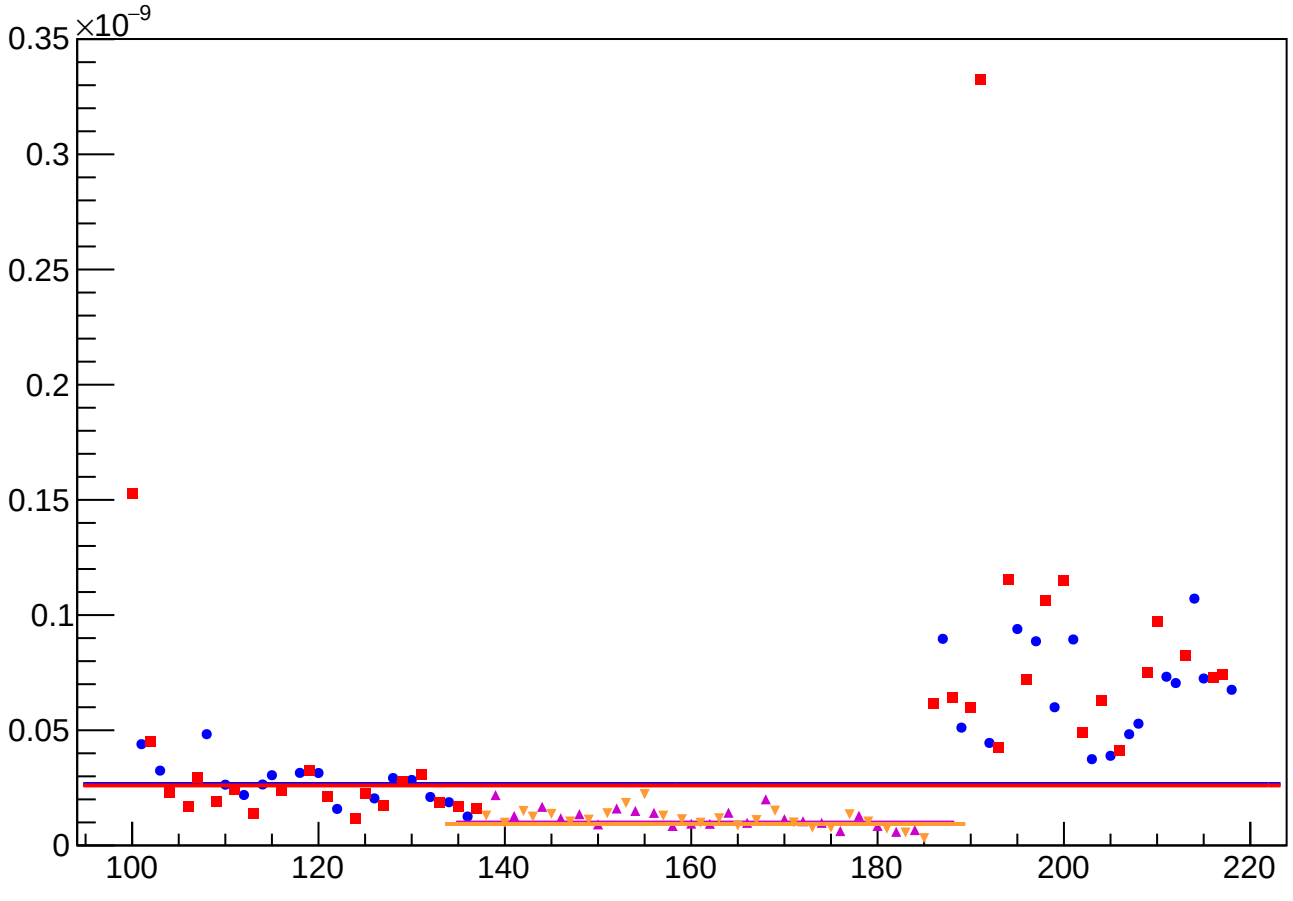
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: 0.000+/-0.000 χ^2/NDF: 44.0/67

In: 0.000+/-0.000 χ^2/NDF:35.6/54

Out: 0.000+/-0.000 χ^2/NDF:53.9/60

All: 0.000+/-0.000 χ^2/NDF: 89.6/115



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: 7163510.2/35

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

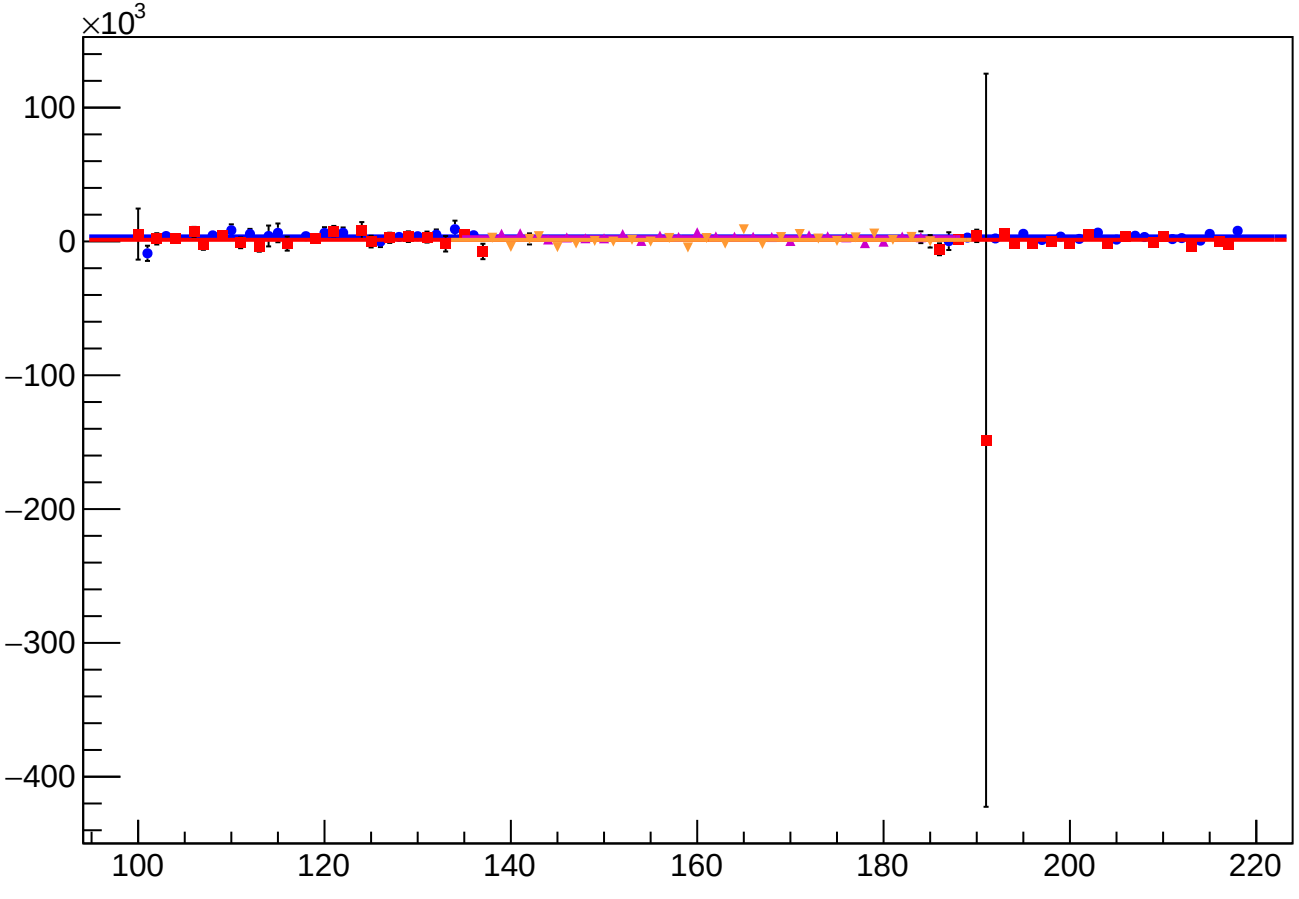
Right: 0.000+/-0.000 χ^2/NDF: 13832029.7/67

In: 0.000+/-0.000 χ^2/NDF:15084710.3/54

Out: 0.000+/-0.000 χ^2/NDF:16100280.3/60

All: 0.000+/-0.000 χ^2/NDF: 31271131.8/115

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: 1222.061+/-594.121 χ^2/NDF: 33.1/35

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

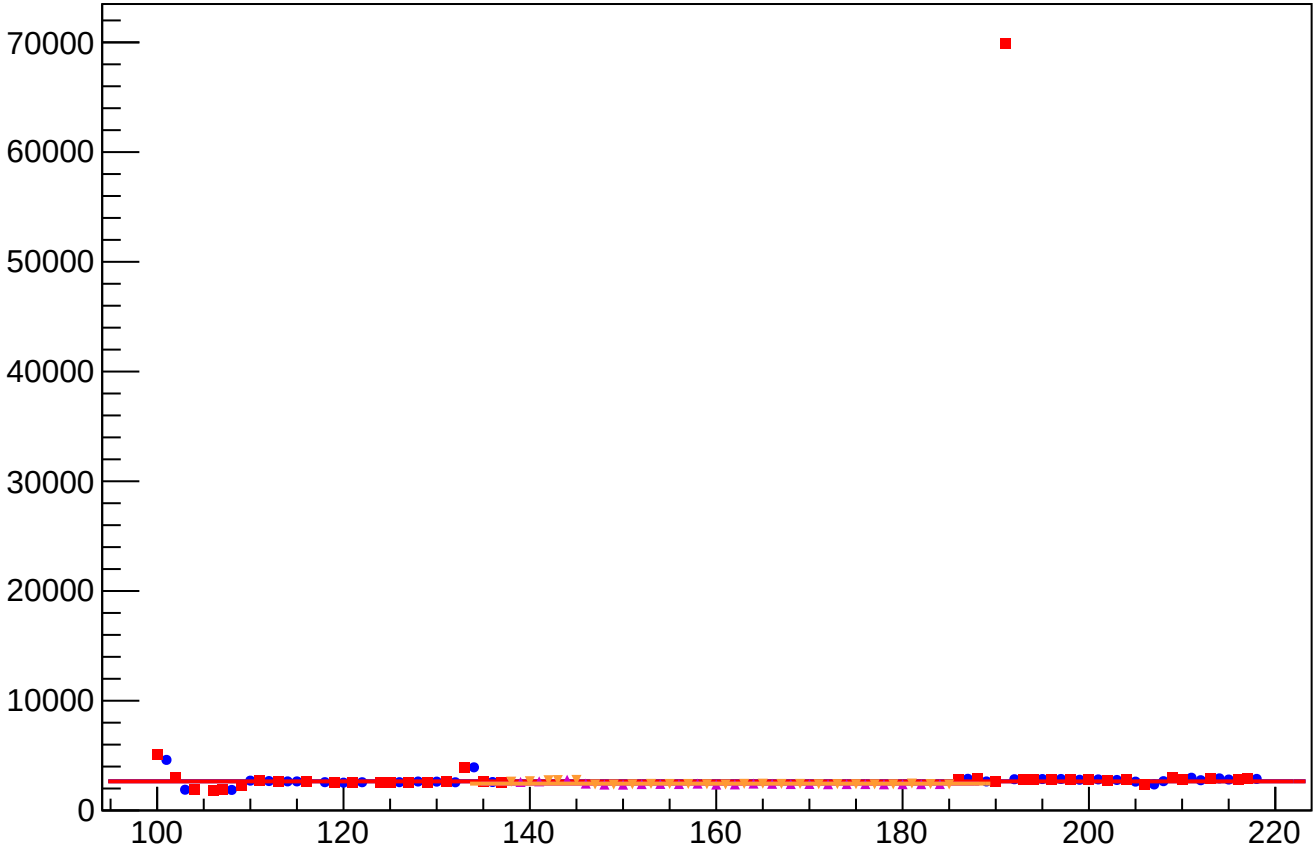
Right: 2492.029+/-421.596 χ^2/NDF: 59.2/67

In: 3448.014+/-412.416 χ^2/NDF:30.2/54

Out: 1204.355+/-406.054 χ^2/NDF:64.2/60

All: 2308.746+/-289.346 χ^2/NDF: 109.4/115

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: 2649.285+/-0.420 χ^2/NDF: 822446.8/35

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

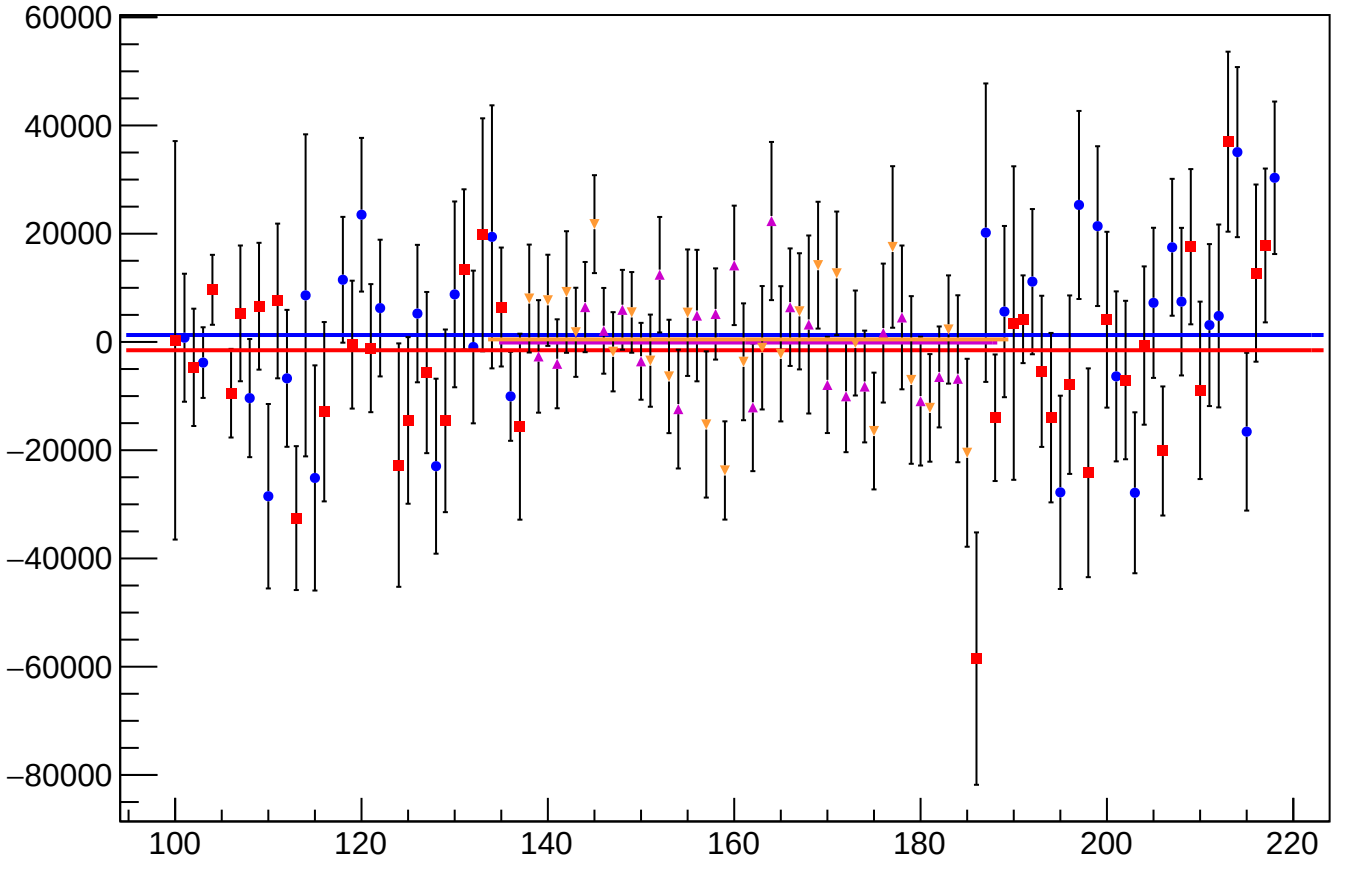
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2656.137+/-0.298 χ^2/NDF: 1604714.2/67

In: 2543.855+/-0.292 χ^2/NDF:992207.3/54

Out: 2540.863+/-0.287 χ^2/NDF:1037451.2/60

All: 2542.336+/-0.205 χ^2/NDF: 2029711.9/11



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: -1531.325+/-2208.244 χ^2/NDF: 39.1/35

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

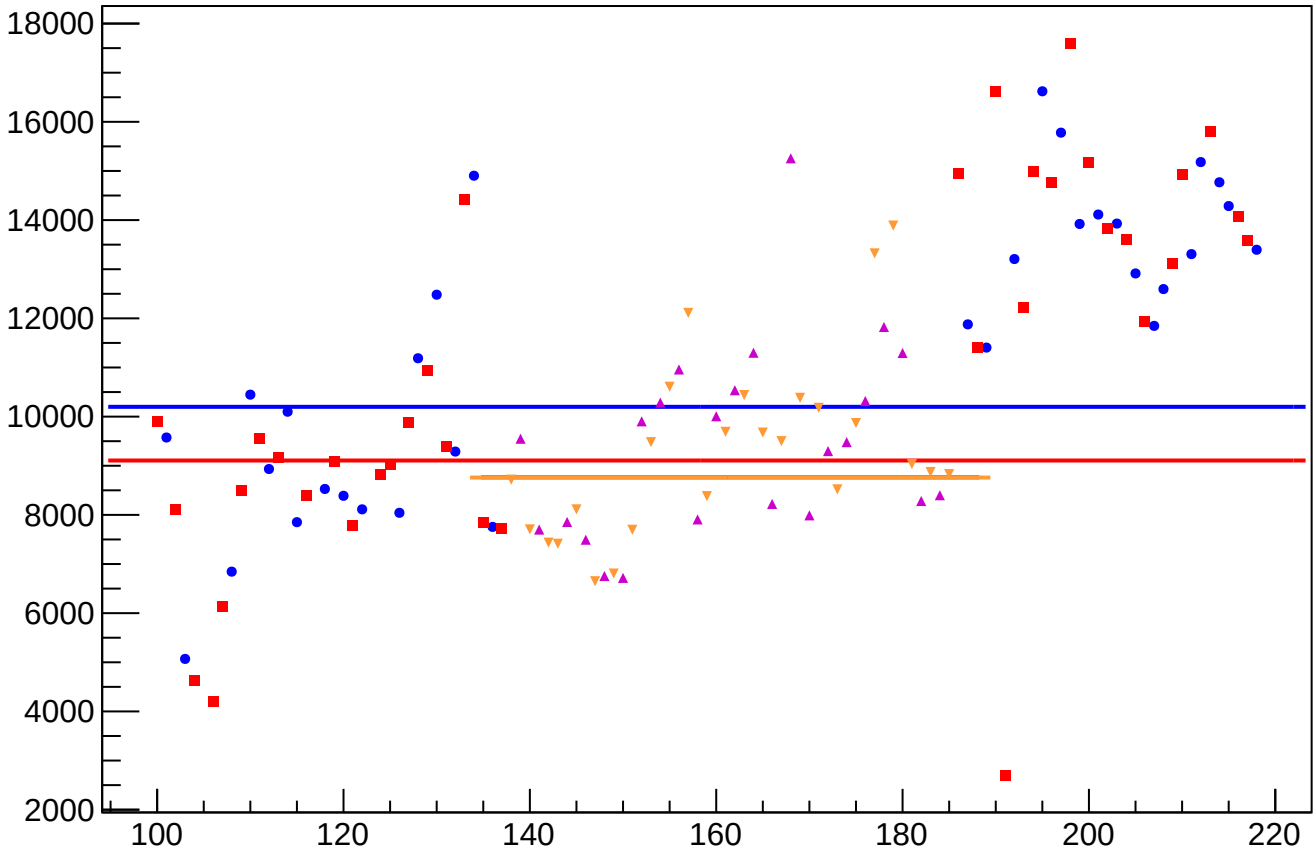
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -236.304+/-1622.489 χ^2/NDF: 79.2/67

In: 496.263+/-1574.198 χ^2/NDF:54.0/54

Out: -445.676+/-1496.851 χ^2/NDF:67.0/60

All: 1.585+/-1084.747 χ^2/NDF: 121.2/115



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: 9107.103+/-1.561 χ^2/NDF: 6532574.5/35

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

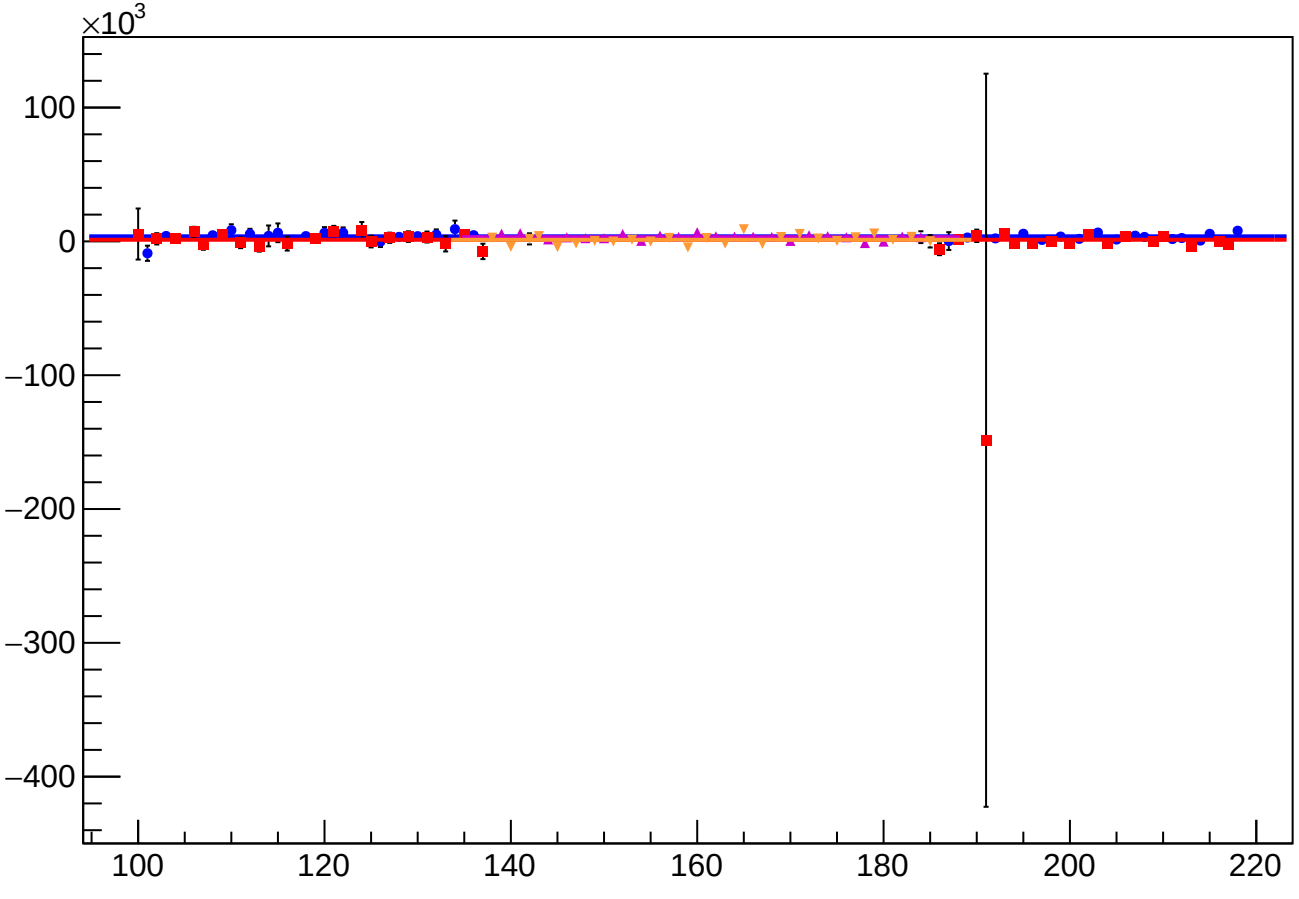
Right: 9609.727+/-1.147 χ^2/NDF: 10546474.8/67

In: 9385.851+/-1.113 χ^2/NDF:5488634.7/54

Out: 8919.288+/-1.058 χ^2/NDF:7781578.4/60

All: 9140.826+/-0.767 χ^2/NDF: 13362476.9/1

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: 1222.360+/-594.123 χ^2/NDF: 33.1/35

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

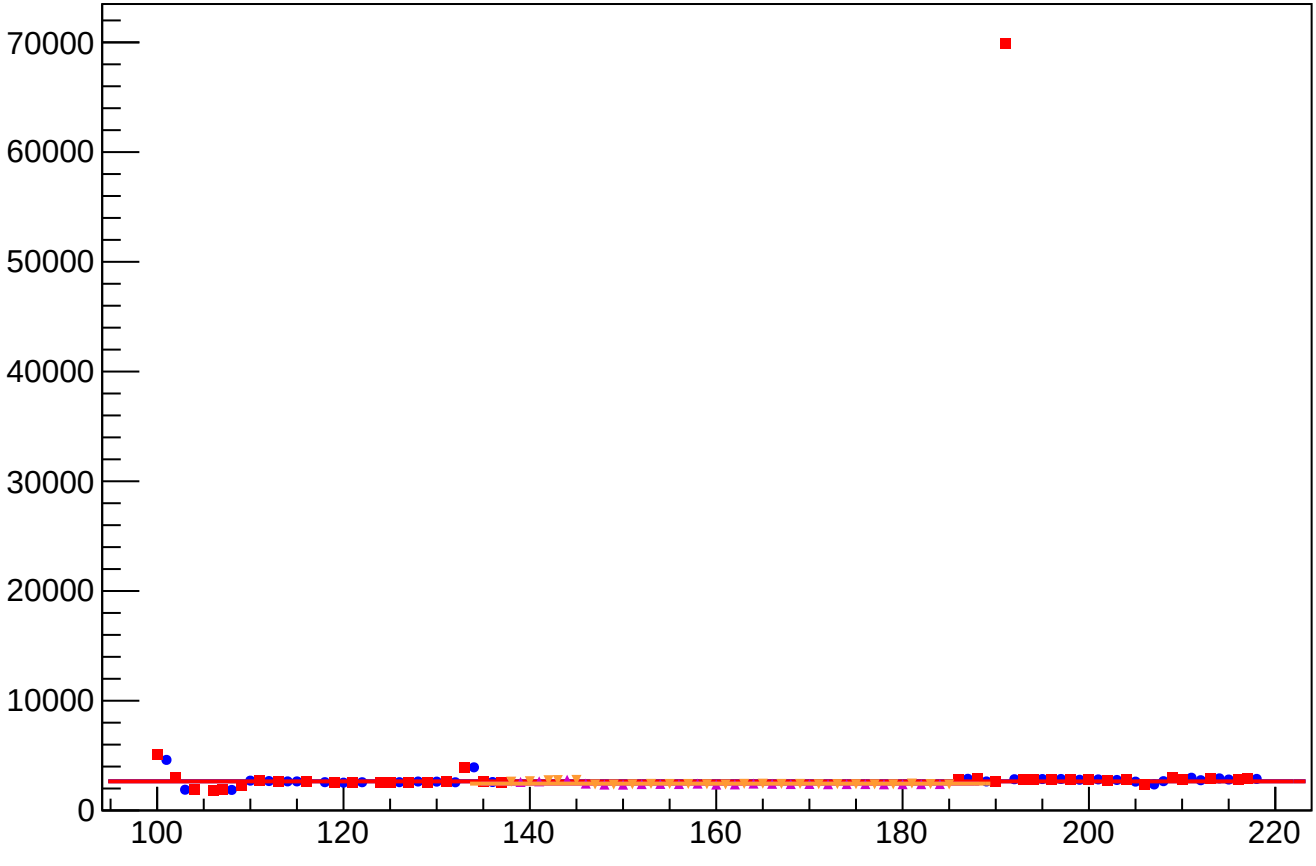
Right: 2492.126+/-421.597 χ^2/NDF: 59.2/67

In: 3447.856+/-412.416 χ^2/NDF:30.2/54

Out: 1204.405+/-406.054 χ^2/NDF:64.2/60

All: 2308.694+/-289.347 χ^2/NDF: 109.4/115

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: 2649.296+/-0.420 χ^2/NDF: 822368.0/35

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

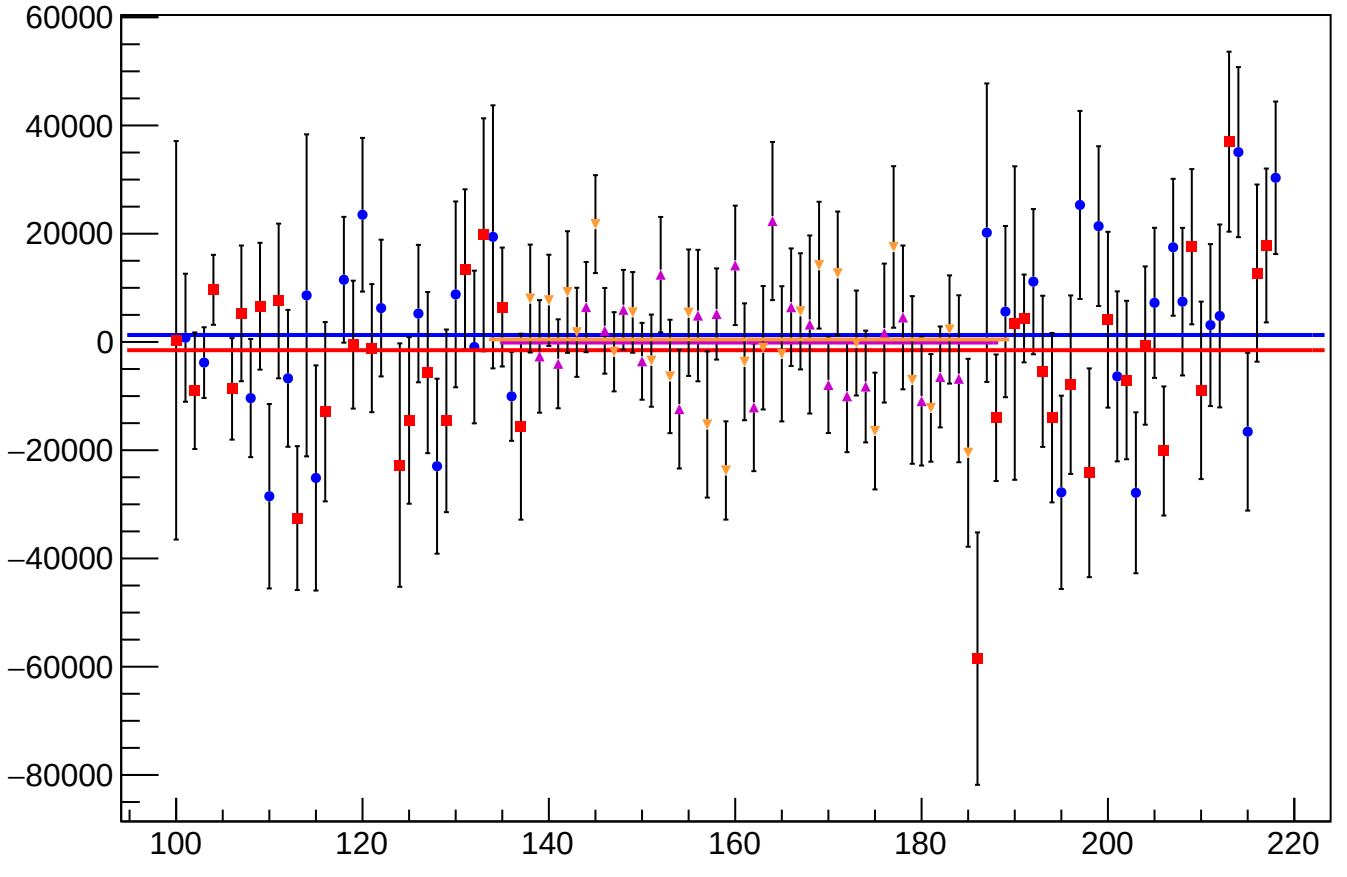
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2656.143+/-0.298 χ^2/NDF: 1604631.7/67

In: 2543.855+/-0.292 χ^2/NDF:992204.9/54

Out: 2540.868+/-0.287 χ^2/NDF:1037386.0/60

All: 2542.338+/-0.205 χ^2/NDF: 2029644.2/11



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: -1522.661+/-2227.078 χ^2/NDF: 39.2/35

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

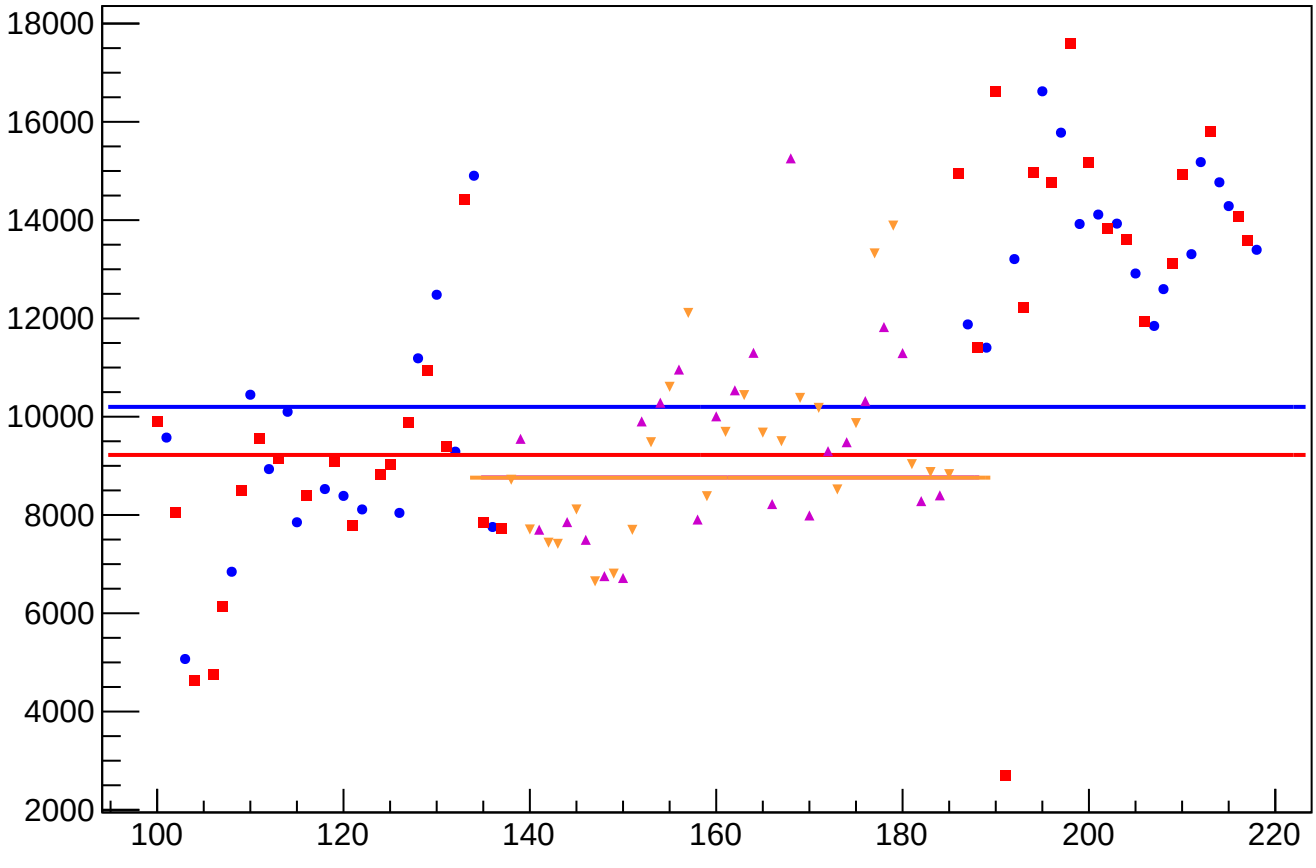
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -219.639+/-1629.929 χ^2/NDF: 79.3/67

In: 496.365+/-1574.209 χ^2/NDF:54.0/54

Out: -433.258+/-1502.676 χ^2/NDF:67.0/60

All: 9.953+/-1086.961 χ^2/NDF: 121.2/115



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: 9221.777+/-1.575 χ^2/NDF: 6239488.6/35

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

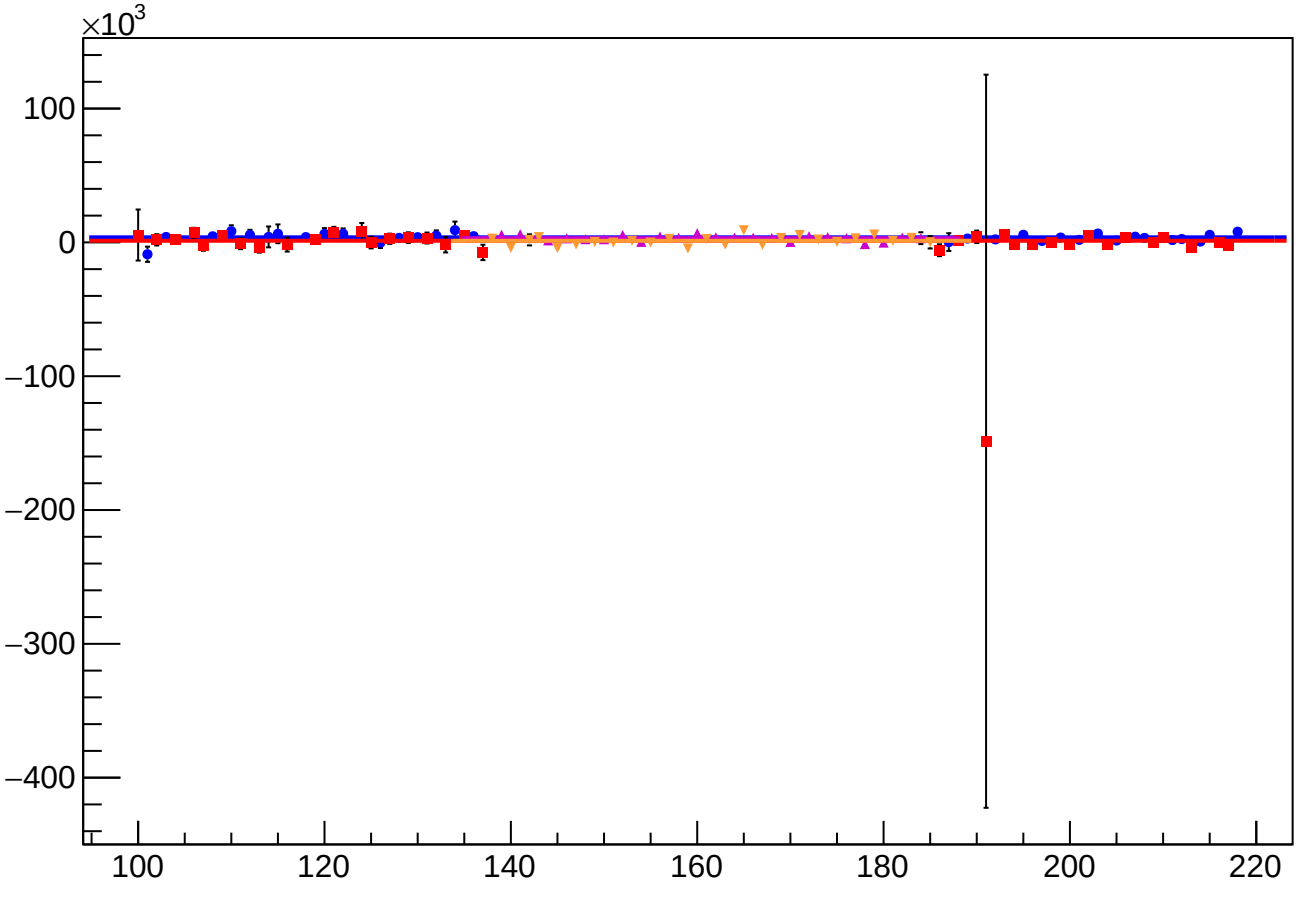
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 9675.880+/-1.153 χ^2/NDF: 10206608.6/67

In: 9385.953+/-1.113 χ^2/NDF:5488118.6/54

Out: 8970.025+/-1.063 χ^2/NDF:7508653.2/60

All: 9168.324+/-0.769 χ^2/NDF: 13069825.0/1



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: 1222.360+/-594.123 χ^2/NDF: 33.1/35

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

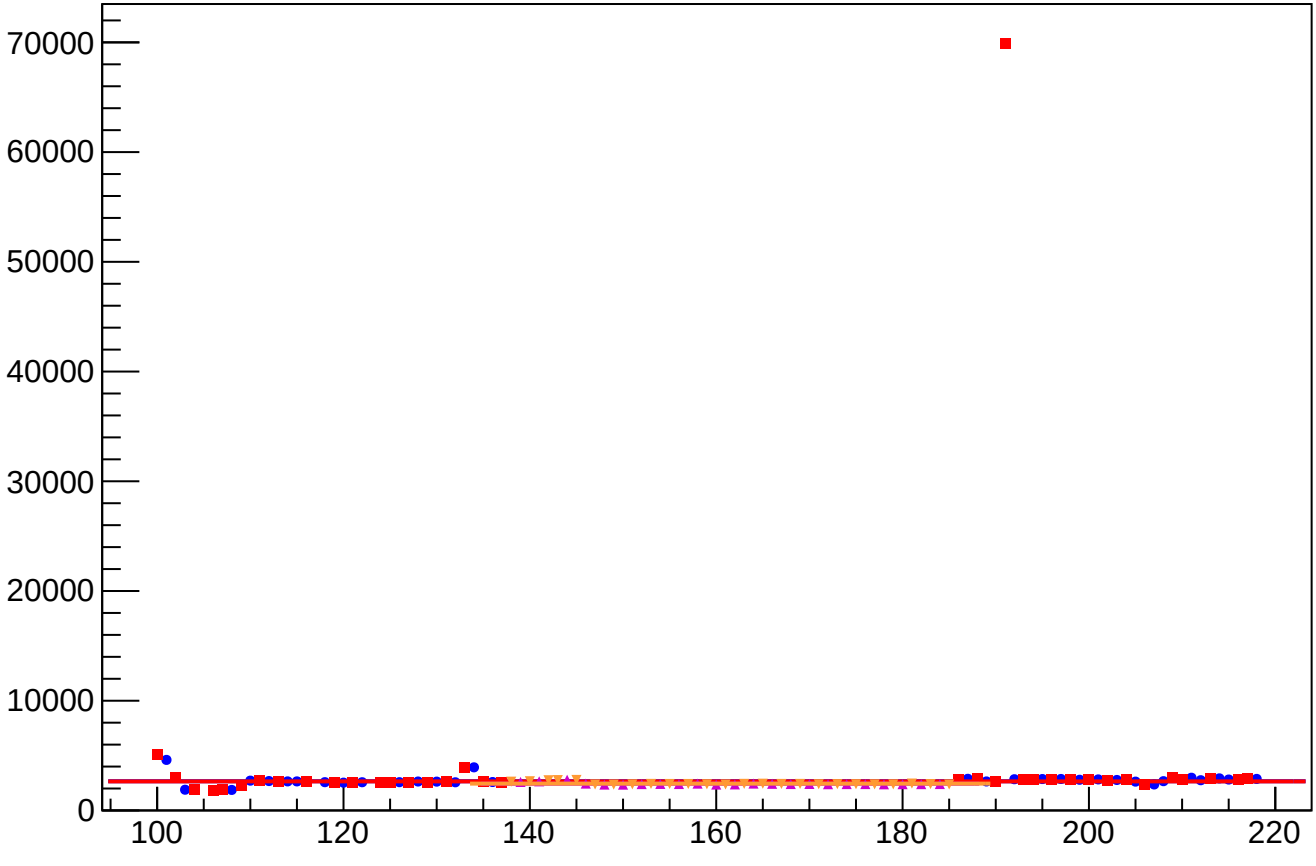
Right: 2492.126+/-421.597 χ^2/NDF: 59.2/67

In: 3447.856+/-412.416 χ^2/NDF:30.2/54

Out: 1204.405+/-406.054 χ^2/NDF:64.2/60

All: 2308.694+/-289.347 χ^2/NDF: 109.4/115

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: 2649.296+/-0.420 χ^2/NDF: 822368.0/35

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

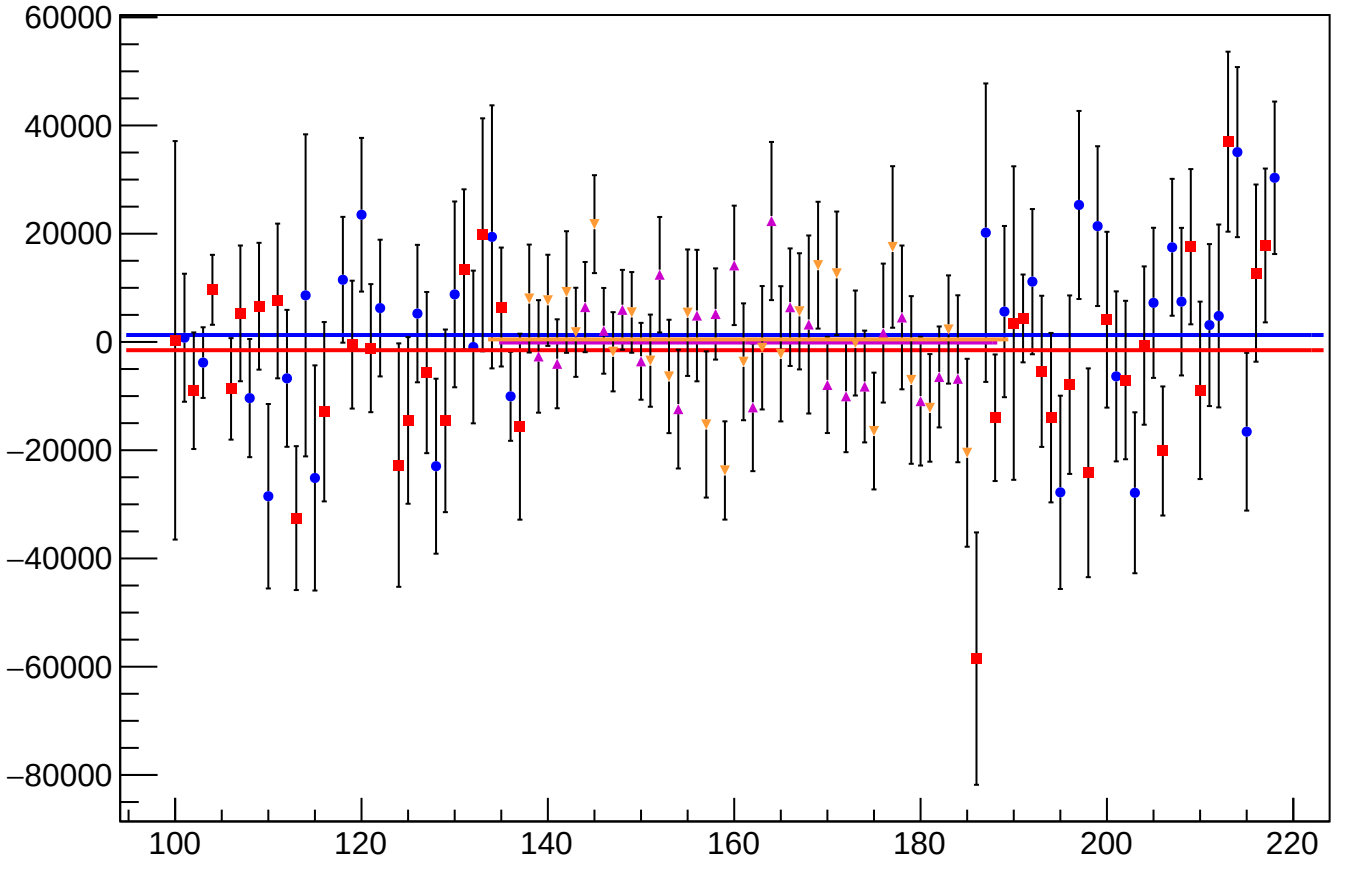
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2656.143+/-0.298 χ^2/NDF: 1604631.7/67

In: 2543.855+/-0.292 χ^2/NDF:992204.9/54

Out: 2540.868+/-0.287 χ^2/NDF:1037386.0/60

All: 2542.338+/-0.205 χ^2/NDF: 2029644.2/11



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: -1522.661+/-2227.078 χ^2/NDF: 39.2/35

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

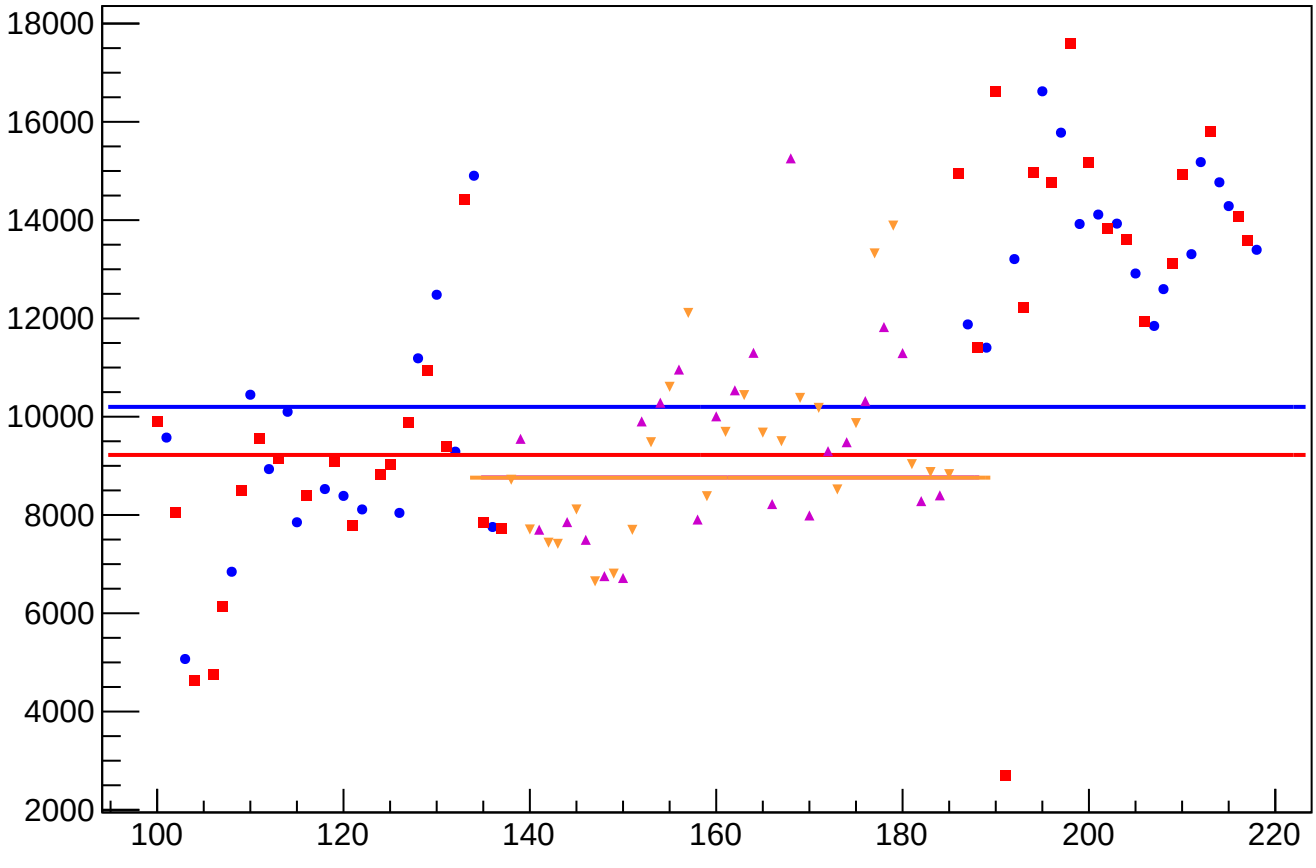
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -219.639+/-1629.929 χ^2/NDF: 79.3/67

In: 496.365+/-1574.209 χ^2/NDF:54.0/54

Out: -433.258+/-1502.676 χ^2/NDF:67.0/60

All: 9.953+/-1086.961 χ^2/NDF: 121.2/115



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: 9221.777+/-1.575 χ^2/NDF: 6239488.6/35

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

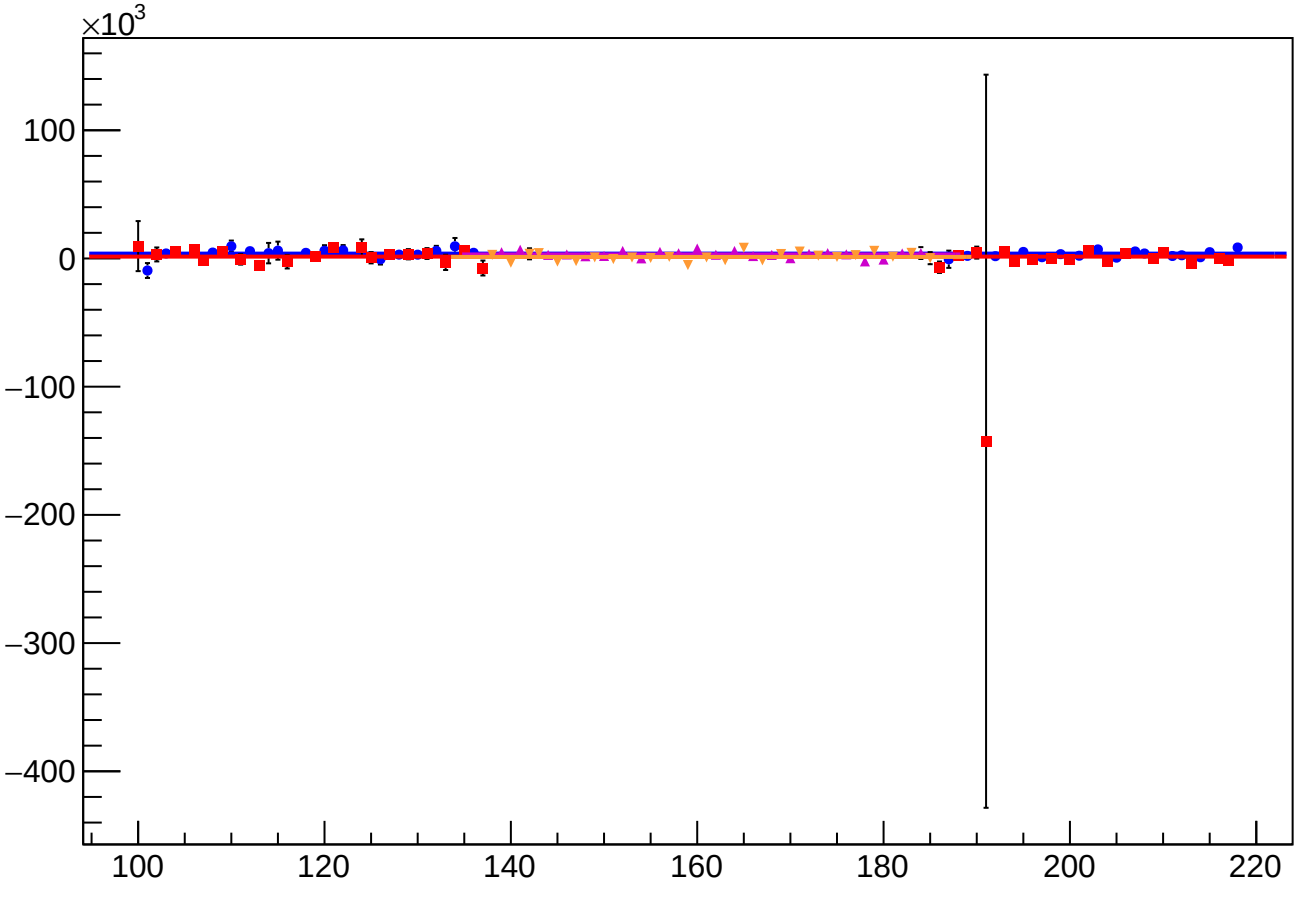
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 9675.880+/-1.153 χ^2/NDF: 10206608.6/67

In: 9385.953+/-1.113 χ^2/NDF:5488118.6/54

Out: 8970.025+/-1.063 χ^2/NDF:7508653.2/60

All: 9168.324+/-0.769 χ^2/NDF: 13069825.0/1



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: 1451.700+/-611.516 χ^2/NDF: 37.2/35

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

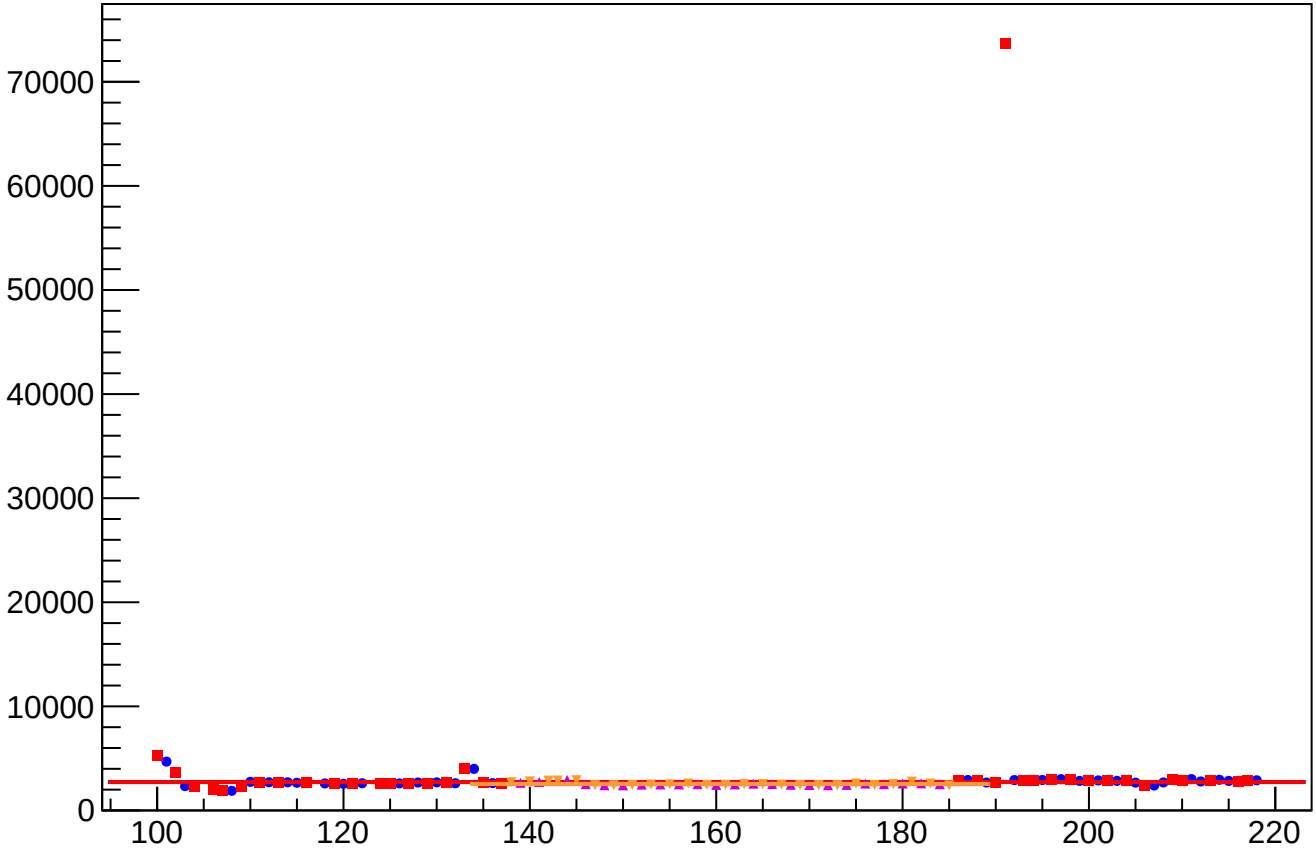
Right: 2617.088+/-433.179 χ^2/NDF: 63.8/67

In: 3459.085+/-426.118 χ^2/NDF:36.3/54

Out: 1326.438+/-420.705 χ^2/NDF:64.1/60

All: 2379.132+/-299.379 χ^2/NDF: 113.1/115

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: 2726.715+/-0.432 χ^2/NDF: 706836.4/35

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

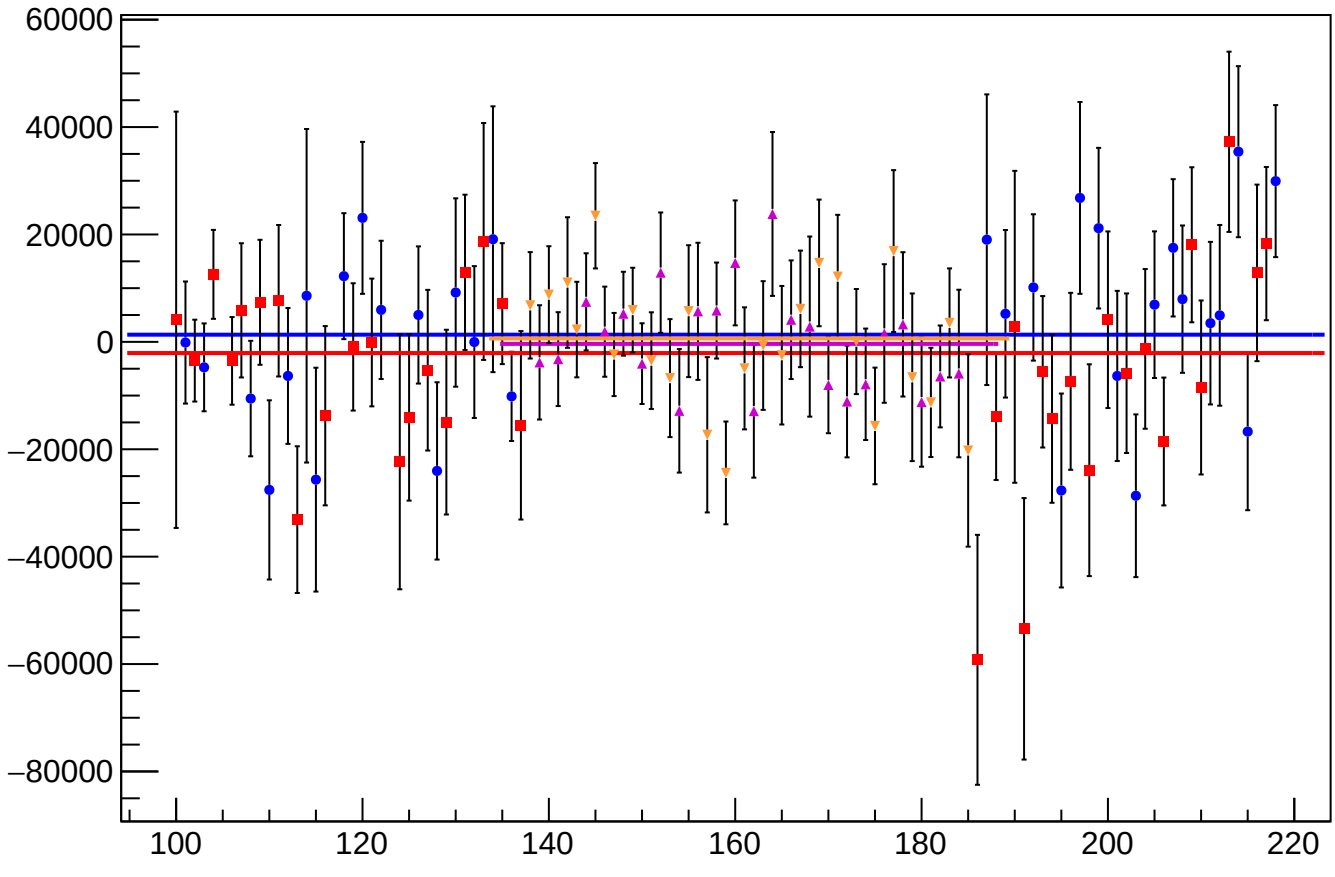
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2731.587+/-0.306 χ^2/NDF: 1327352.2/67

In: 2630.987+/-0.301 χ^2/NDF:802841.8/54

Out: 2632.162+/-0.297 χ^2/NDF:914980.3/60

All: 2631.582+/-0.212 χ^2/NDF: 1717829.8/11



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: -2080.330+/-2299.972 χ^2/NDF: 41.7/35

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

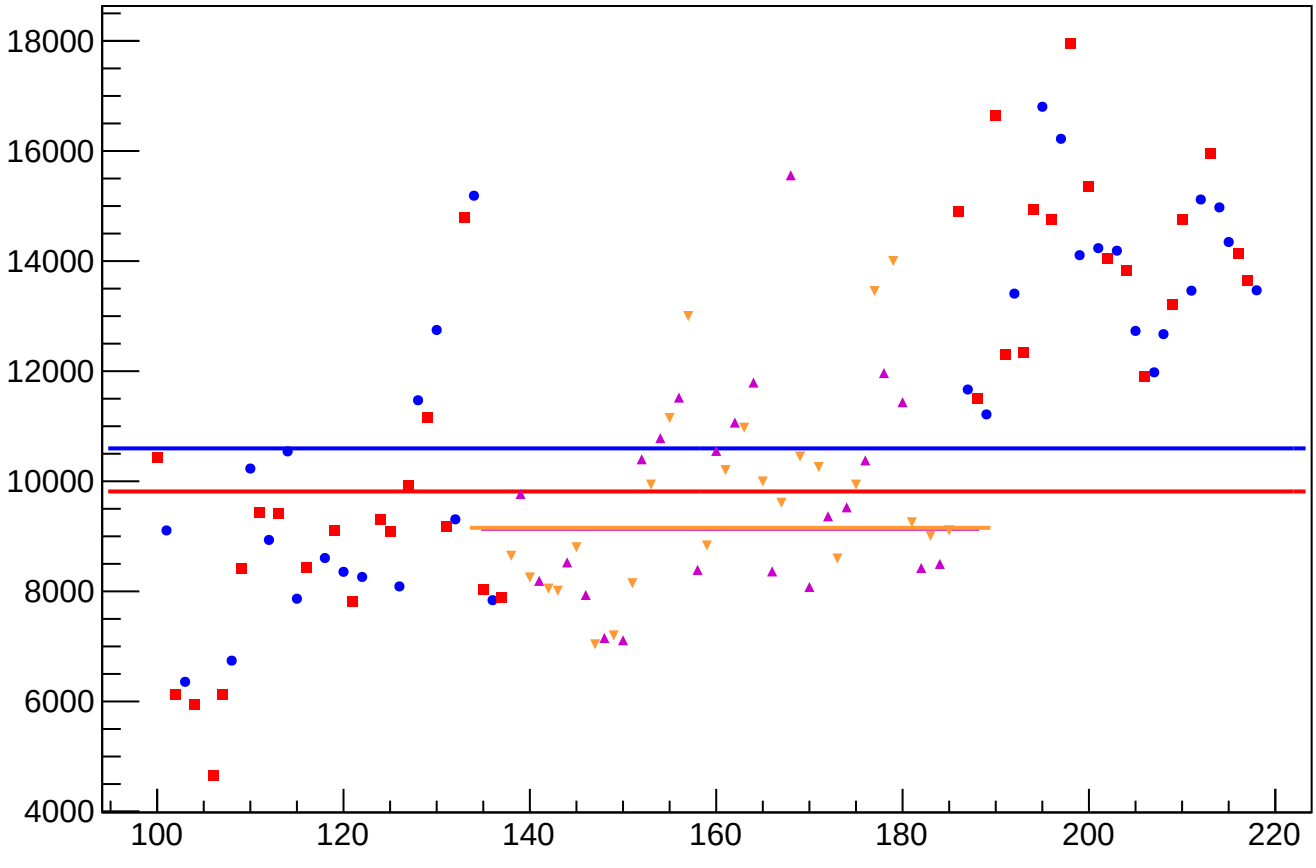
Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

Right: -487.243+/-1680.376 χ^2/NDF: 81.7/67

In: 374.551+/-1630.307 χ^2/NDF:53.5/54

Out: -616.222+/-1560.045 χ^2/NDF:69.1/60

All: -142.645+/-1127.140 χ^2/NDF: 122.8/115



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: 9815.085+/-1.626 χ^2/NDF: 4696415.8/35

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

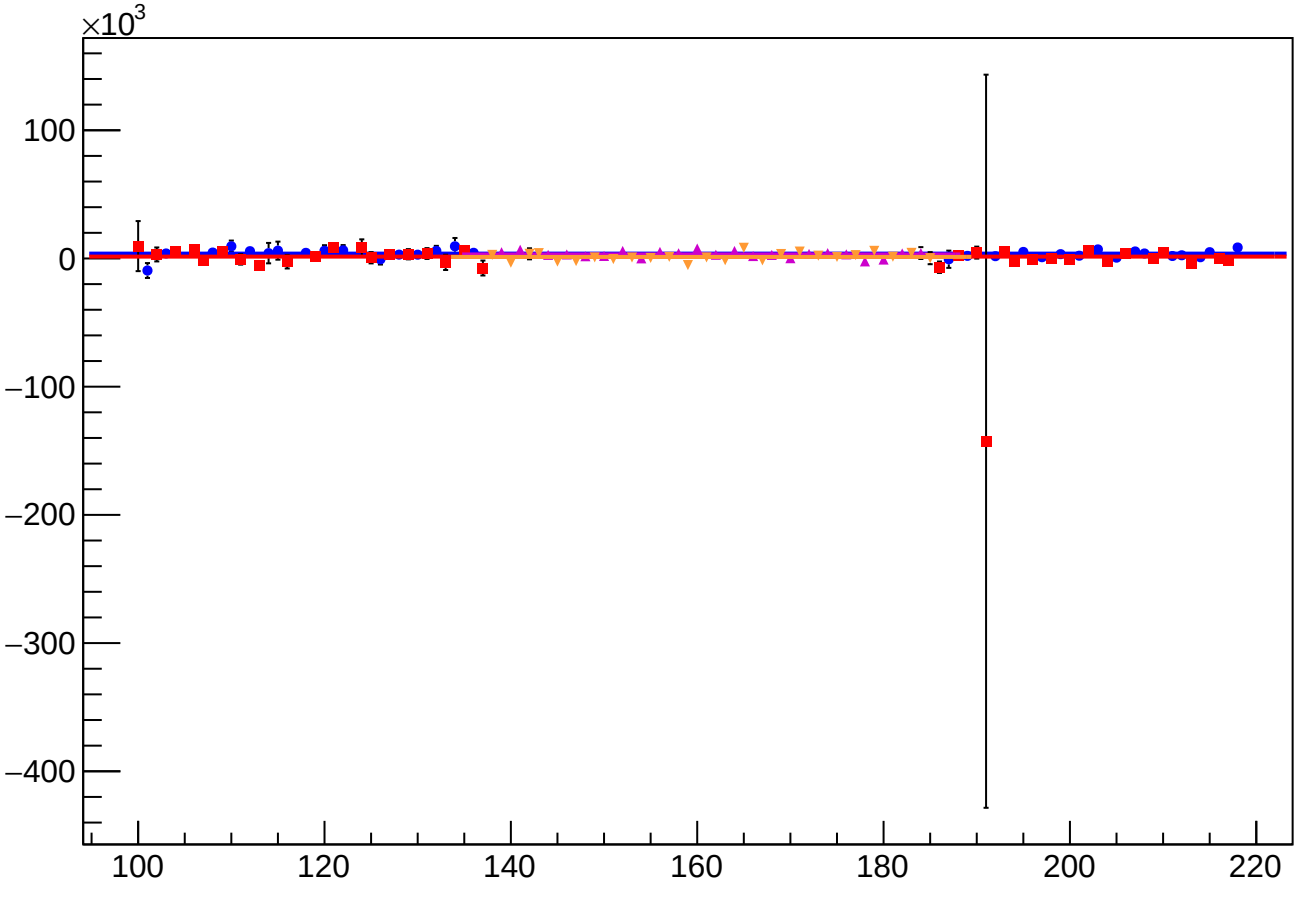
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 10179.843+/-1.188 χ^2/NDF: 7847264.5/67

In: 9778.242+/-1.153 χ^2/NDF:4610679.7/54

Out: 9458.521+/-1.103 χ^2/NDF:5857518.0/60

All: 9611.343+/-0.797 χ^2/NDF: 10508350.5/1



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: 1451.705+/-611.516 χ^2/NDF: 37.2/35

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

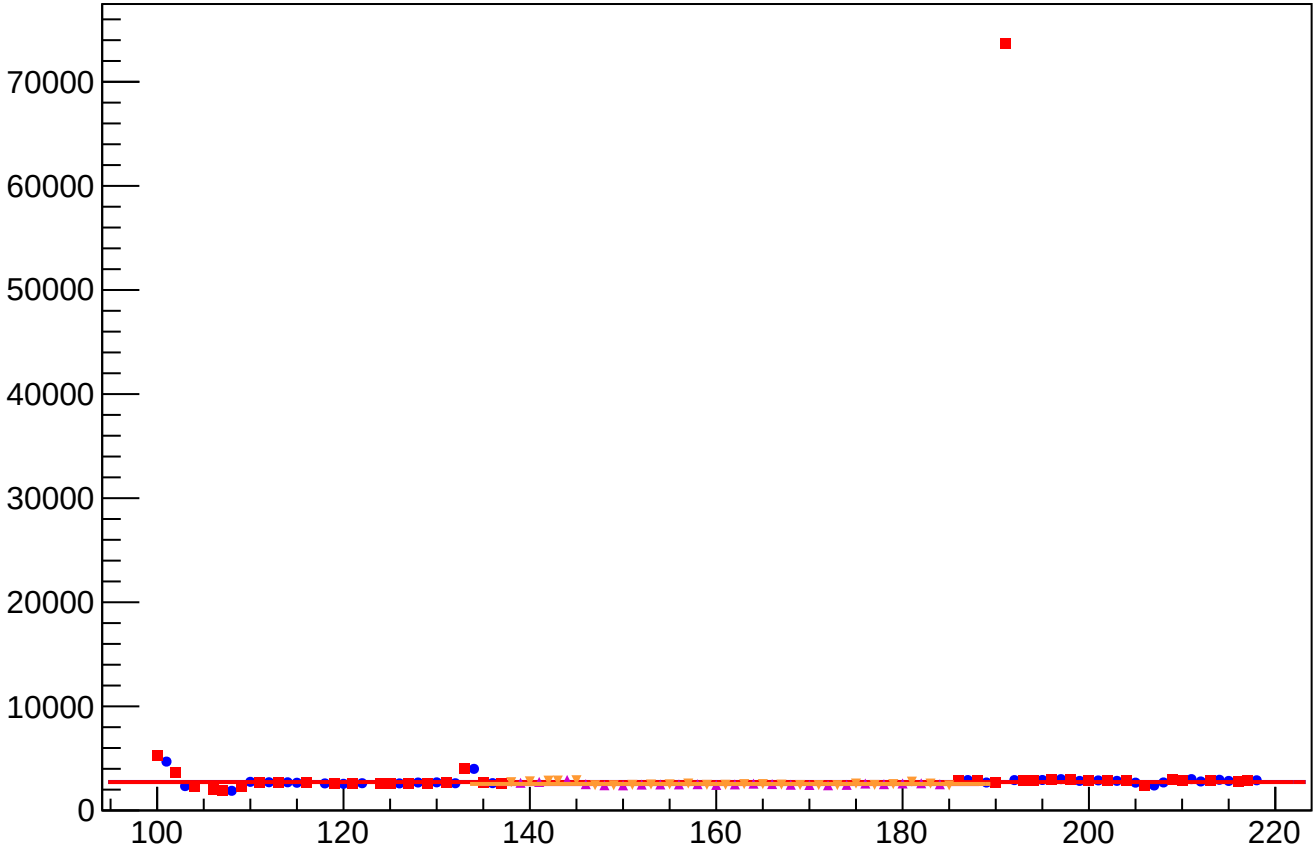
Right: 2617.085+/-433.179 χ^2/NDF: 63.8/67

In: 3459.080+/-426.118 χ^2/NDF:36.3/54

Out: 1326.435+/-420.705 χ^2/NDF:64.1/60

All: 2379.128+/-299.379 χ^2/NDF: 113.1/115

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: 2726.715+/-0.432 χ^2/NDF: 706836.3/35

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

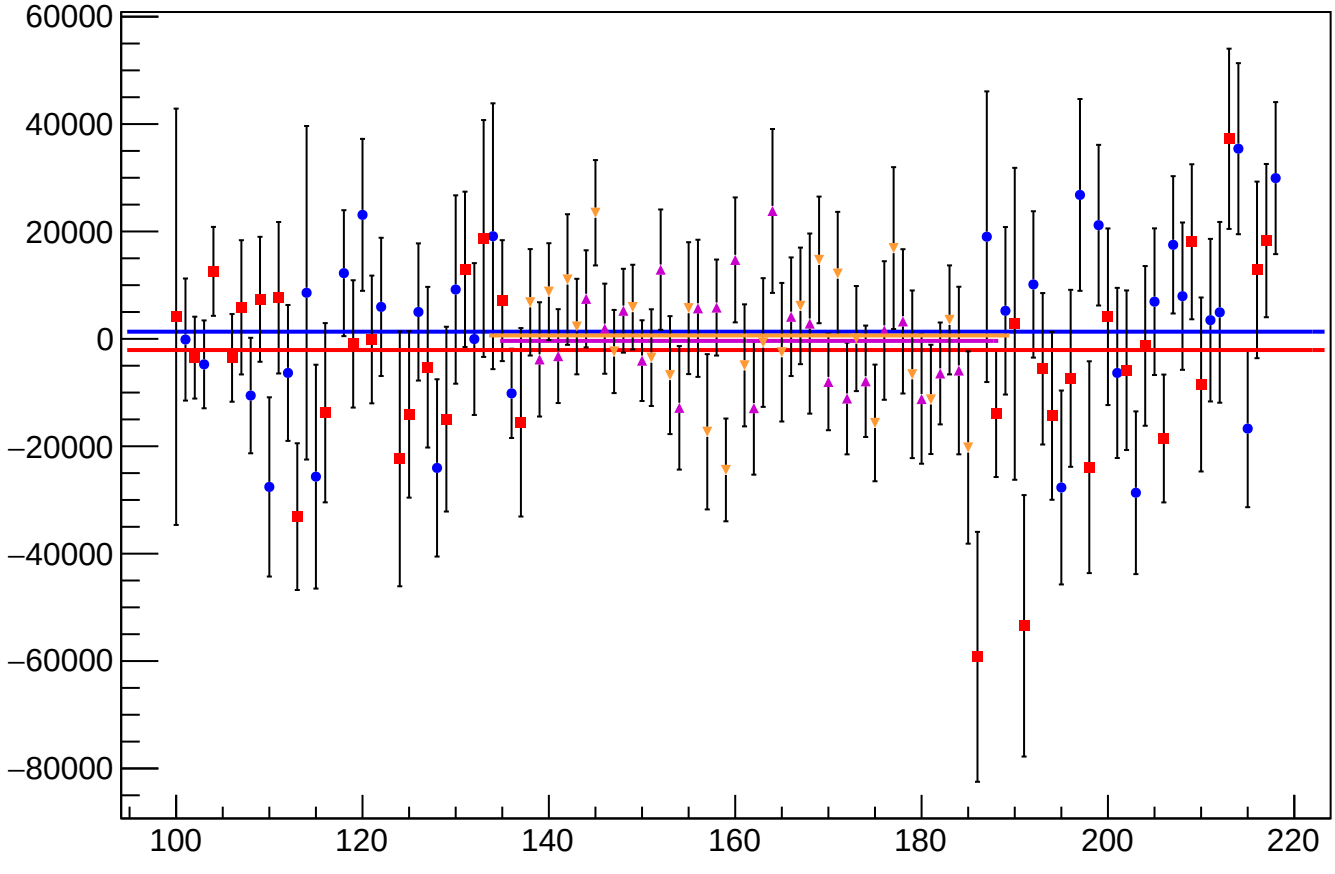
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2731.586+/-0.306 χ^2/NDF: 1327352.9/67

In: 2630.988+/-0.301 χ^2/NDF:802839.9/54

Out: 2632.163+/-0.297 χ^2/NDF:914978.5/60

All: 2631.583+/-0.212 χ^2/NDF: 1717826.1/11



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: -2080.323+/-2299.971 χ^2/NDF: 41.7/35

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

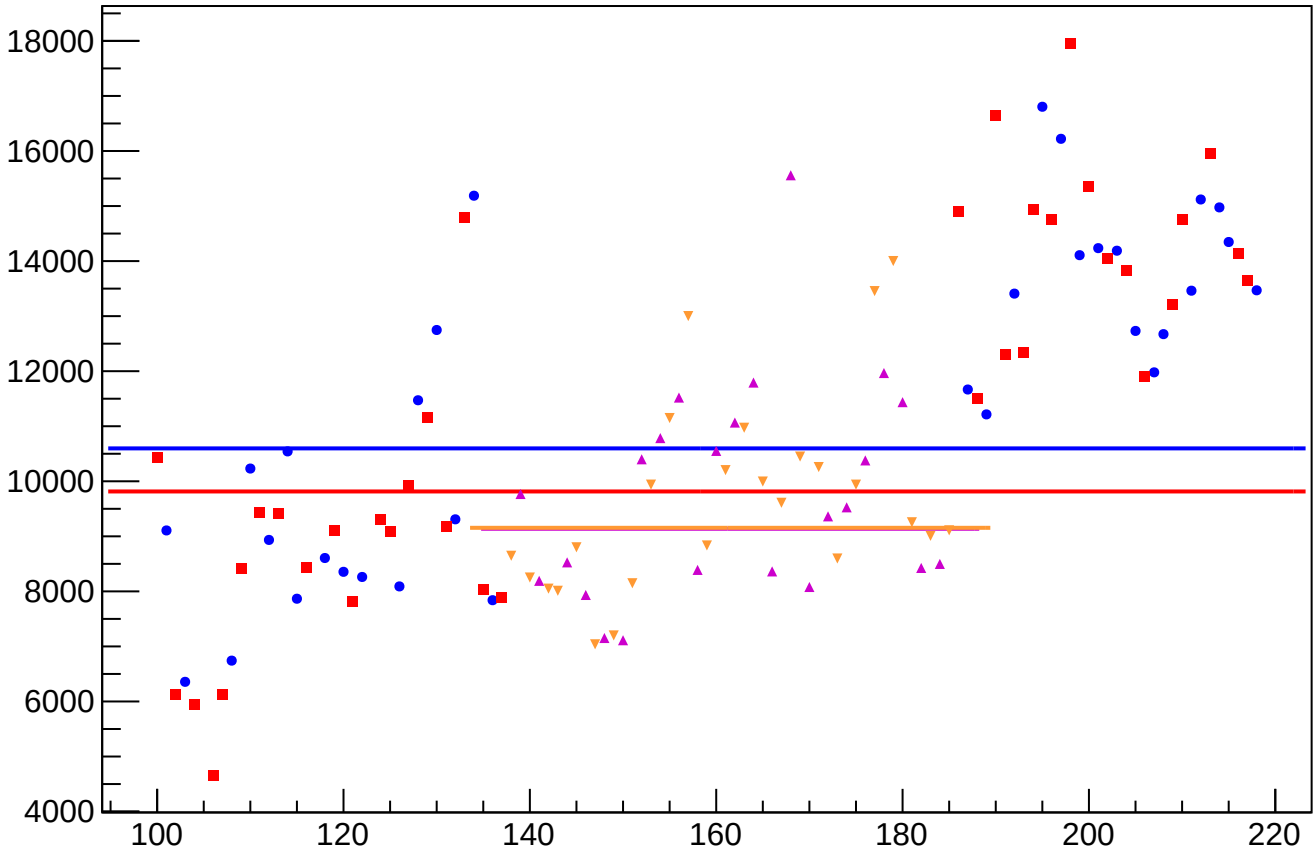
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -487.235+/-1680.375 χ^2/NDF: 81.7/67

In: 374.555+/-1630.309 χ^2/NDF:53.5/54

Out: -616.224+/-1560.046 χ^2/NDF:69.1/60

All: -142.644+/-1127.140 χ^2/NDF: 122.8/115



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: 9815.076+/-1.626 χ^2/NDF: 4696441.2/35

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

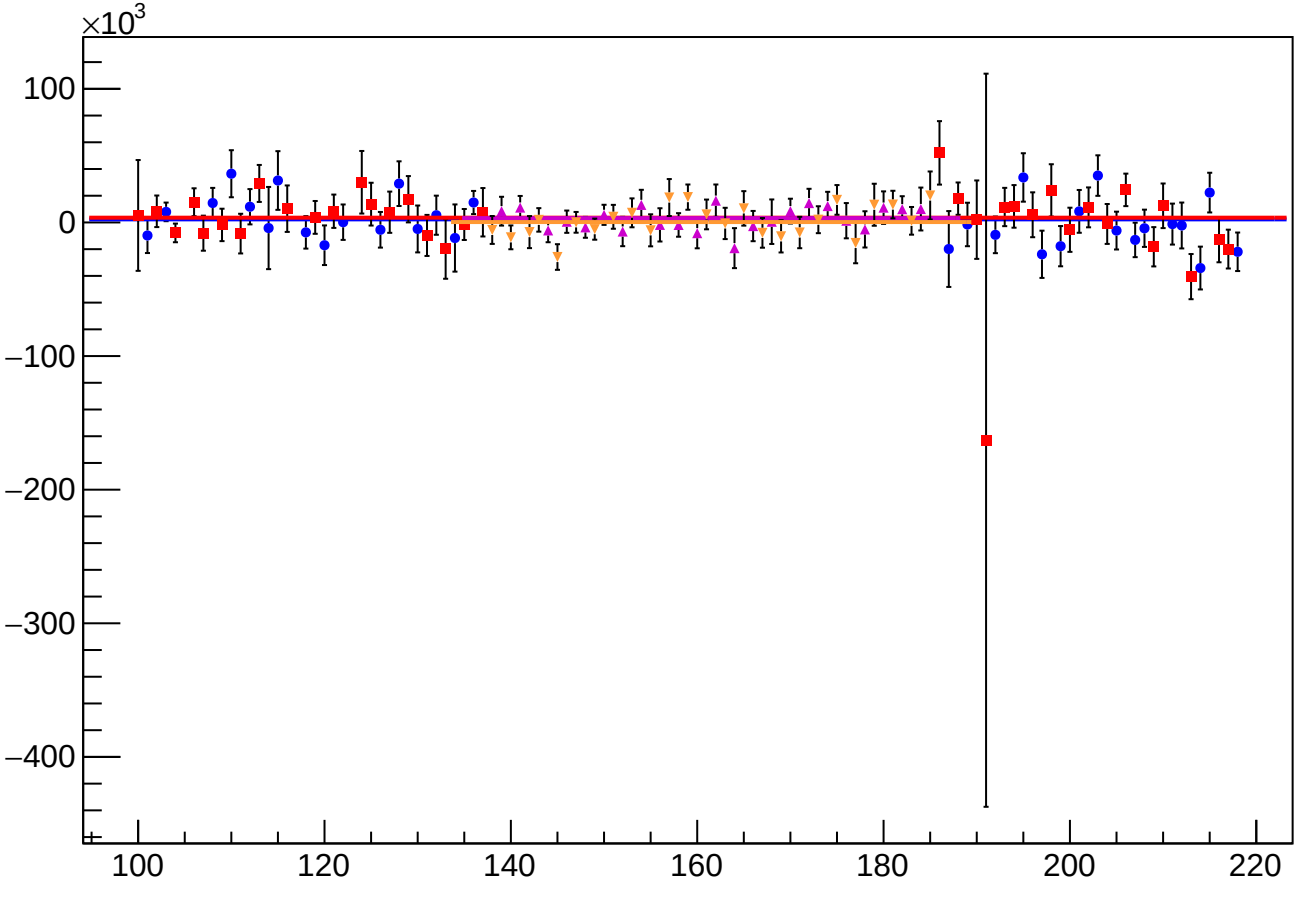
Right: 10179.835+/-1.188 χ^2/NDF: 7847308.5/67

In: 9778.249+/-1.153 χ^2/NDF:4610690.1/54

Out: 9458.525+/-1.103 χ^2/NDF:5857538.8/60

All: 9611.349+/-0.797 χ^2/NDF: 10508382.3/1

asym_atr2_mean vs Slug, Sign Corrected



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: 3563.601+/-2422.676 χ^2/NDF: 38.0/35

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

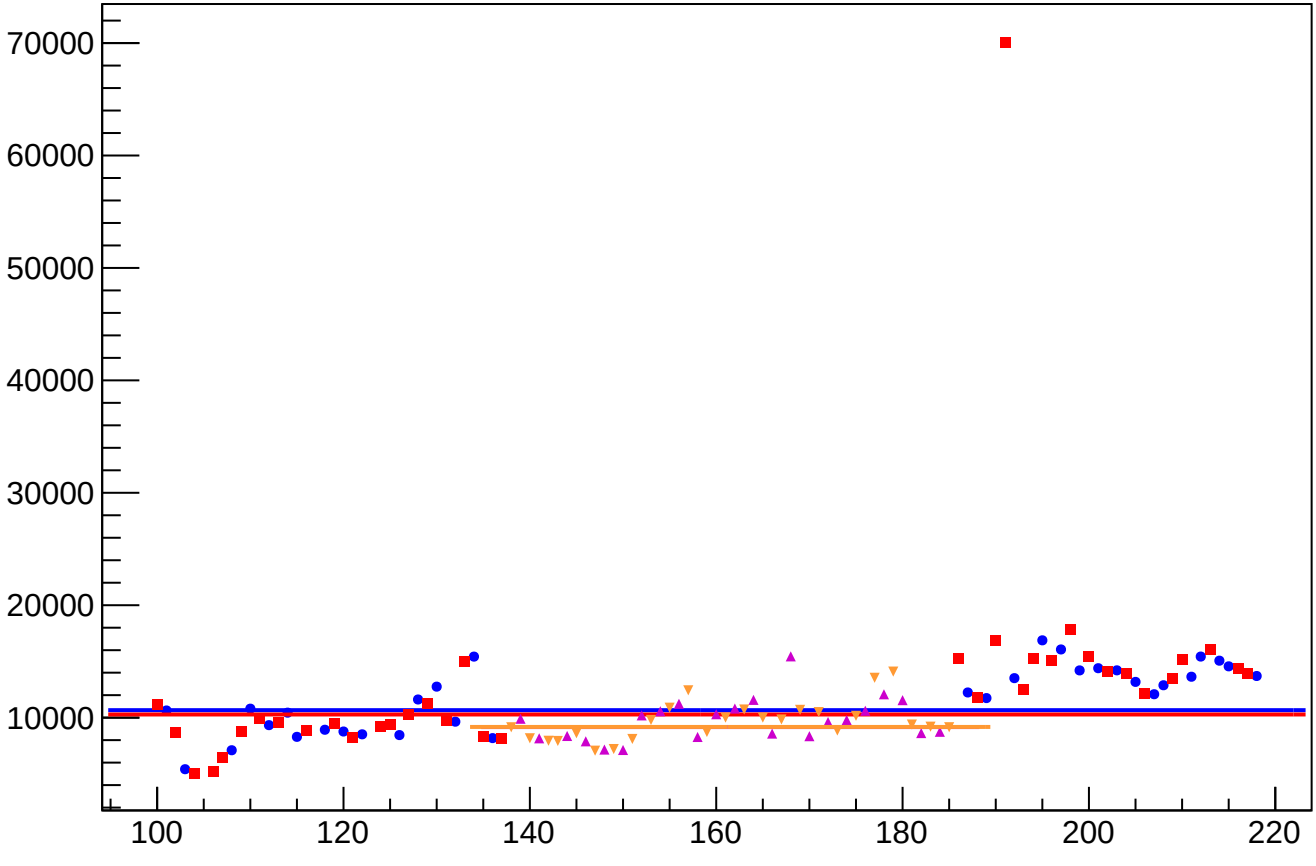
Right: 2950.289+/-1735.757 χ^2/NDF: 79.9/67

In: 2829.701+/-1639.597 χ^2/NDF:55.4/54

Out: 1716.572+/-1597.701 χ^2/NDF:65.4/60

All: 2258.734+/-1144.270 χ^2/NDF: 121.0/115

asym_atr2_rms vs Slug, Sign Corrected



Right In: 10664.785+/-1.759 χ^2/NDF: 3435349.8/31

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 10280.987+/-1.713 χ^2/NDF: 4415931.0/35

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

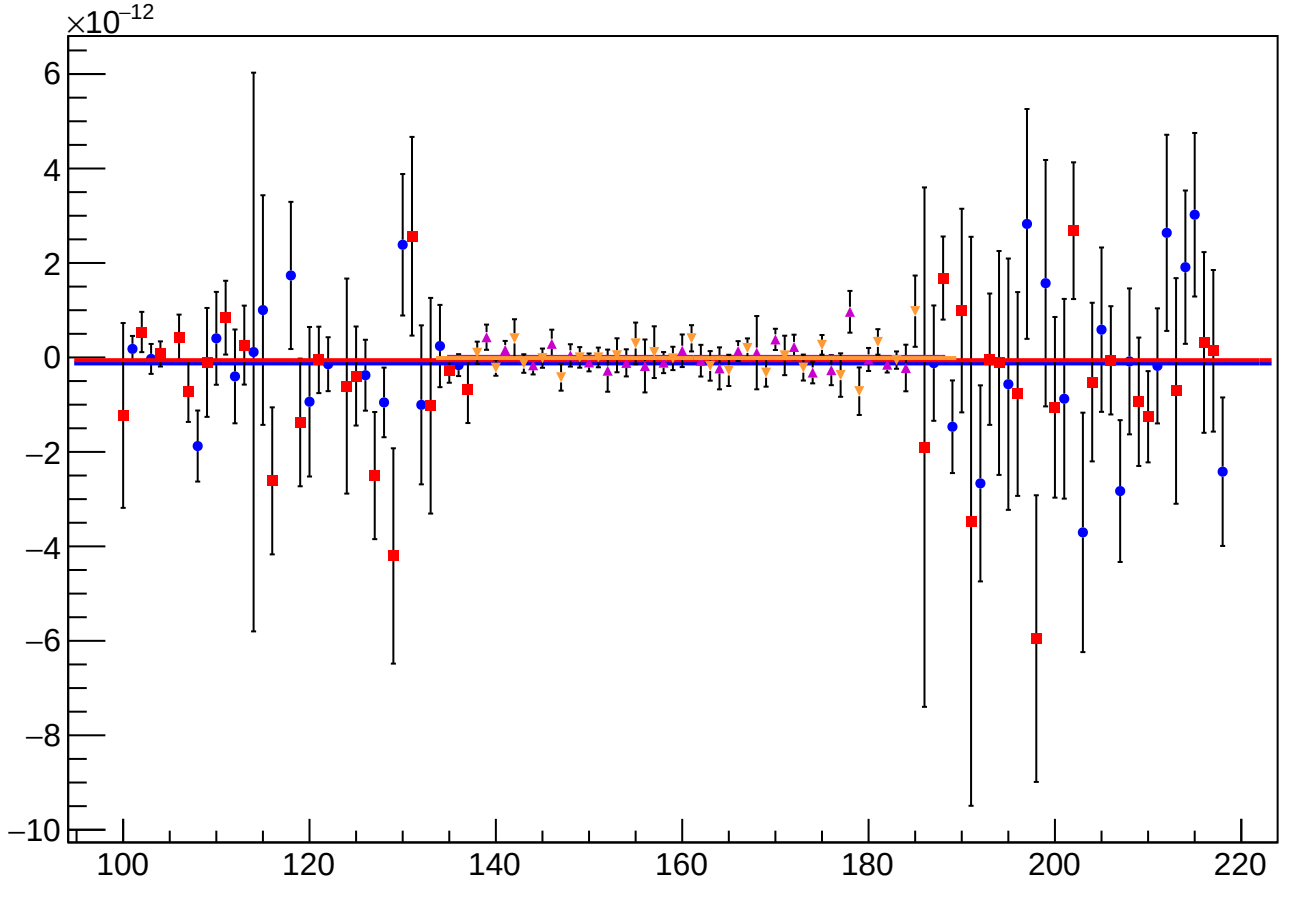
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 10467.771+/-1.227 χ^2/NDF: 7875709.3/67

In: 9814.743+/-1.159 χ^2/NDF:4975507.3/54

Out: 9654.788+/-1.130 χ^2/NDF:5709345.4/60

All: 9732.695+/-0.809 χ^2/NDF: 10694616.6/1



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: 34.1/35

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

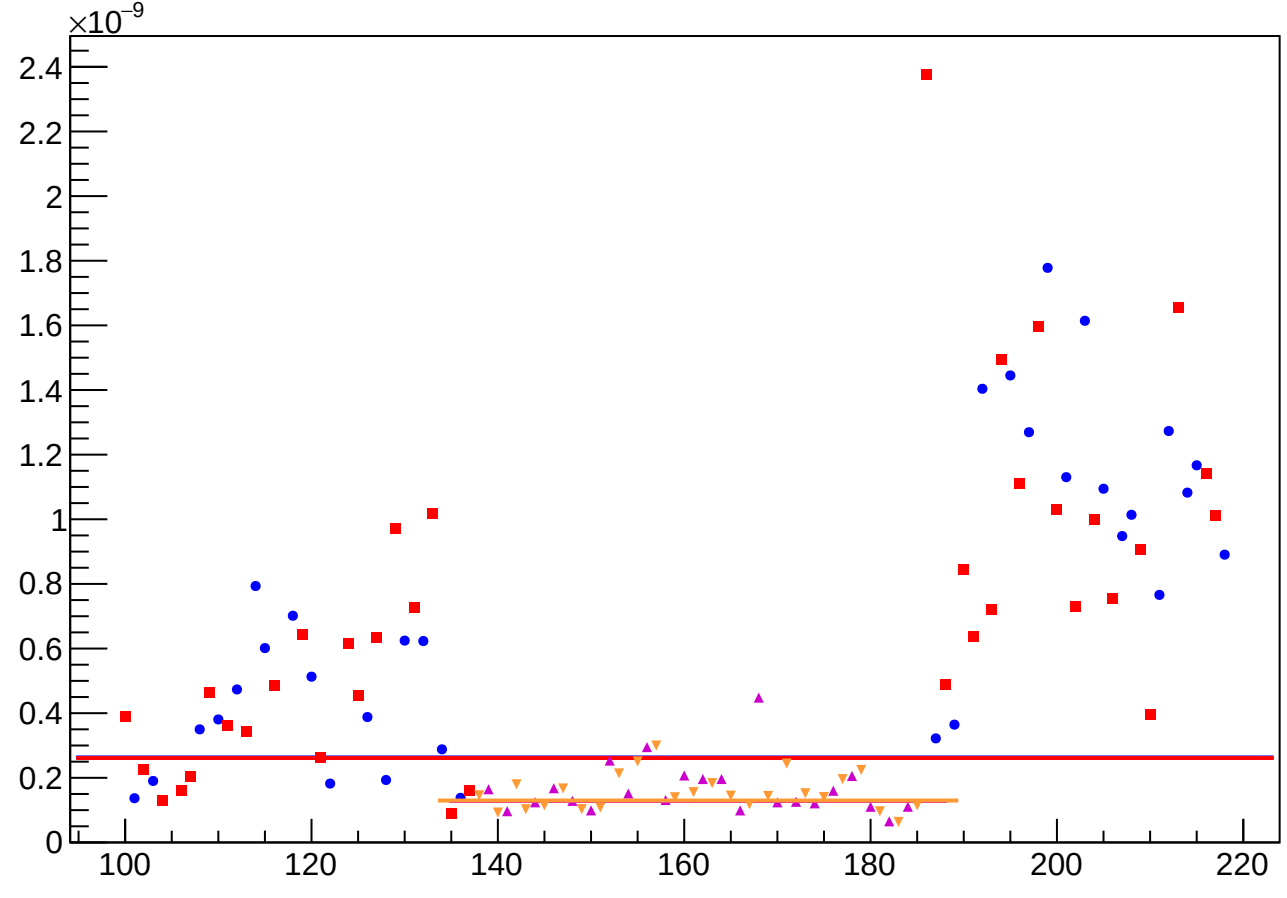
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 67.5/67

In: -0.000+/-0.000 χ^2/NDF:53.4/54

Out: -0.000+/-0.000 χ^2/NDF:53.6/60

All: -0.000+/-0.000 χ^2/NDF: 107.1/115



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: 7872953.8/35

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

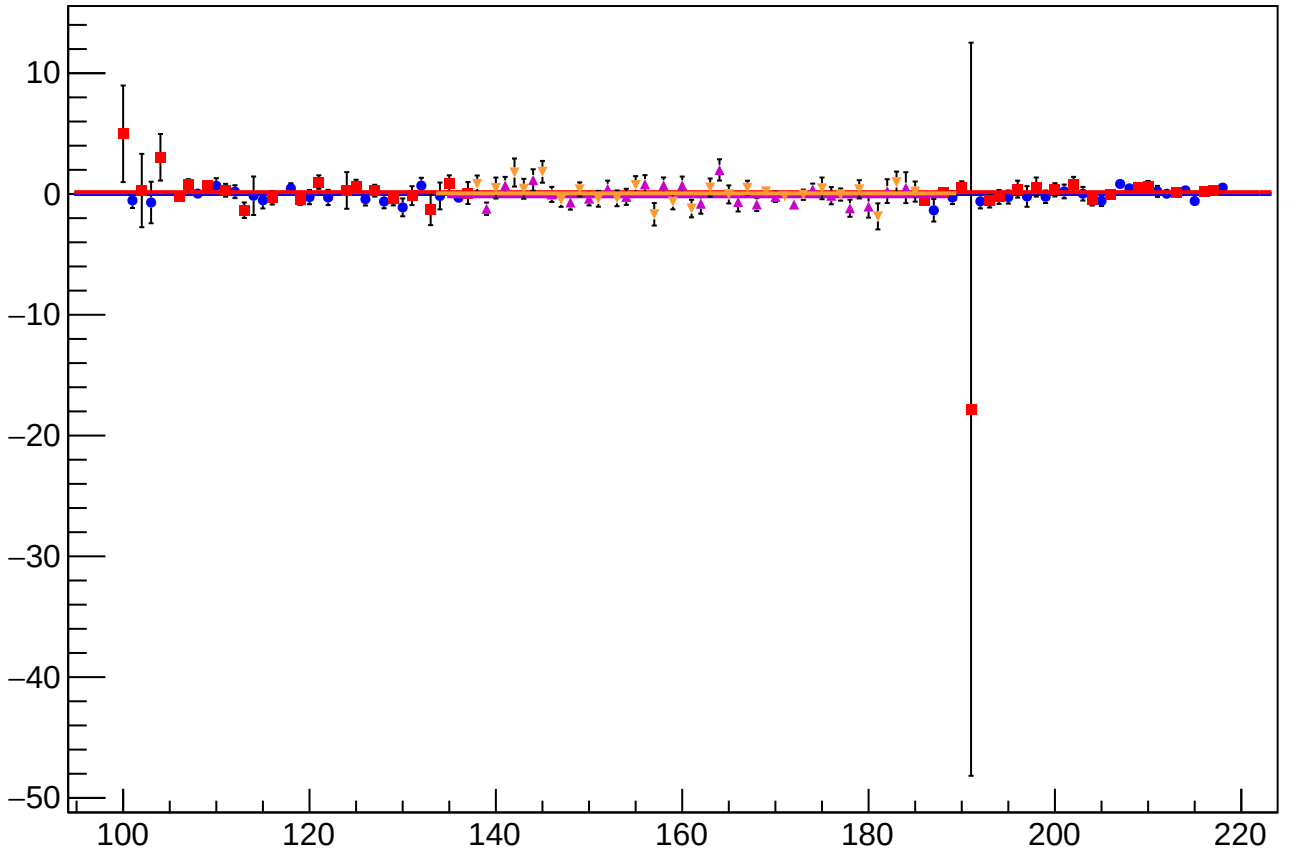
Left: 0.000+/-0.000 χ^2/NDF: 2907331.7/47

Right: 0.000+/-0.000 χ^2/NDF: 16191624.0/67

In: 0.000+/-0.000 χ^2/NDF:11720565.0/54

Out: 0.000+/-0.000 χ^2/NDF:11005600.8/60

All: 0.000+/-0.000 χ^2/NDF: 22726584.3/115



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: 0.152+/-0.081 χ^2/NDF: 37.2/35

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

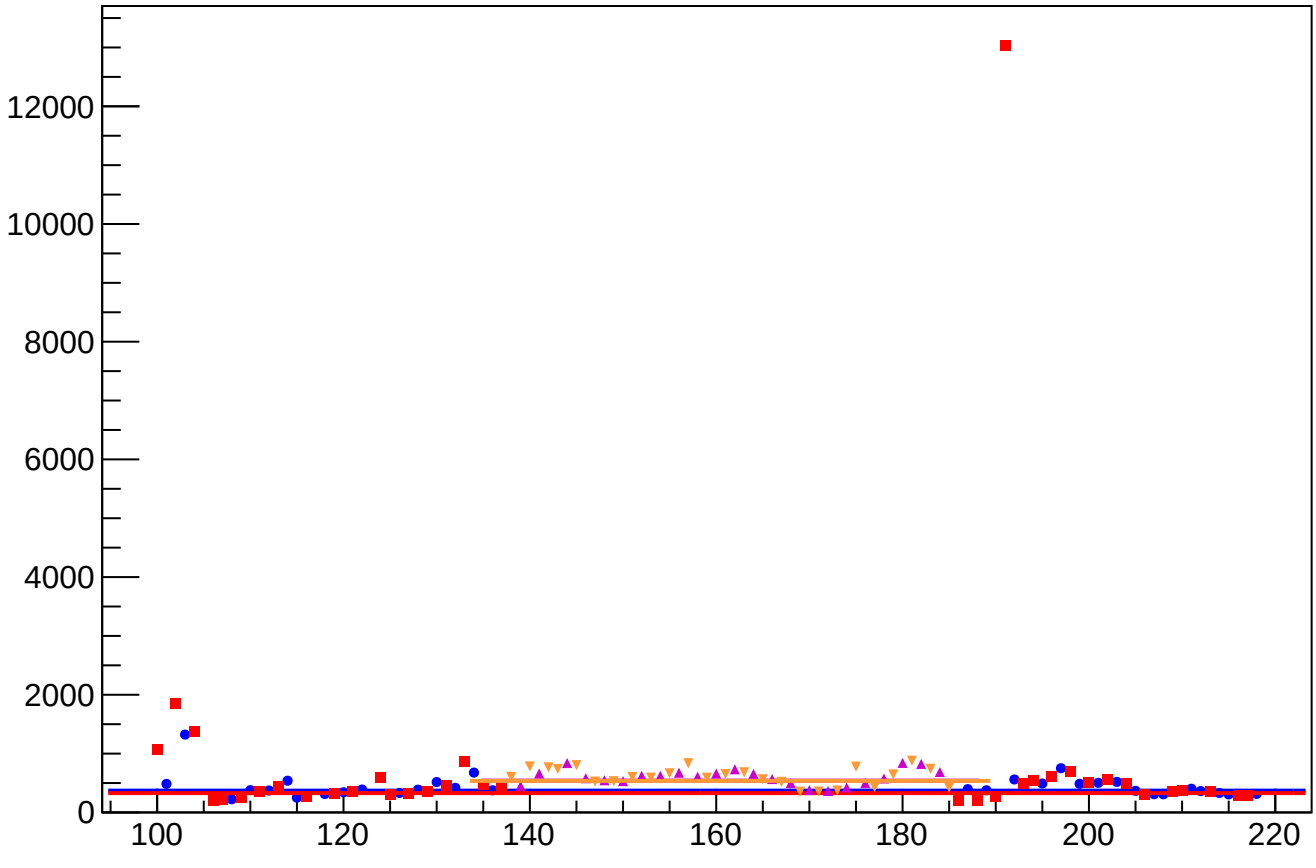
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.082+/-0.059 χ^2/NDF: 69.8/67

In: -0.058+/-0.073 χ^2/NDF:63.5/54

Out: 0.125+/-0.068 χ^2/NDF:62.3/60

All: 0.039+/-0.050 χ^2/NDF: 129.2/115



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: 328.880+/-0.057 χ^2/NDF: 5584330.7/35

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

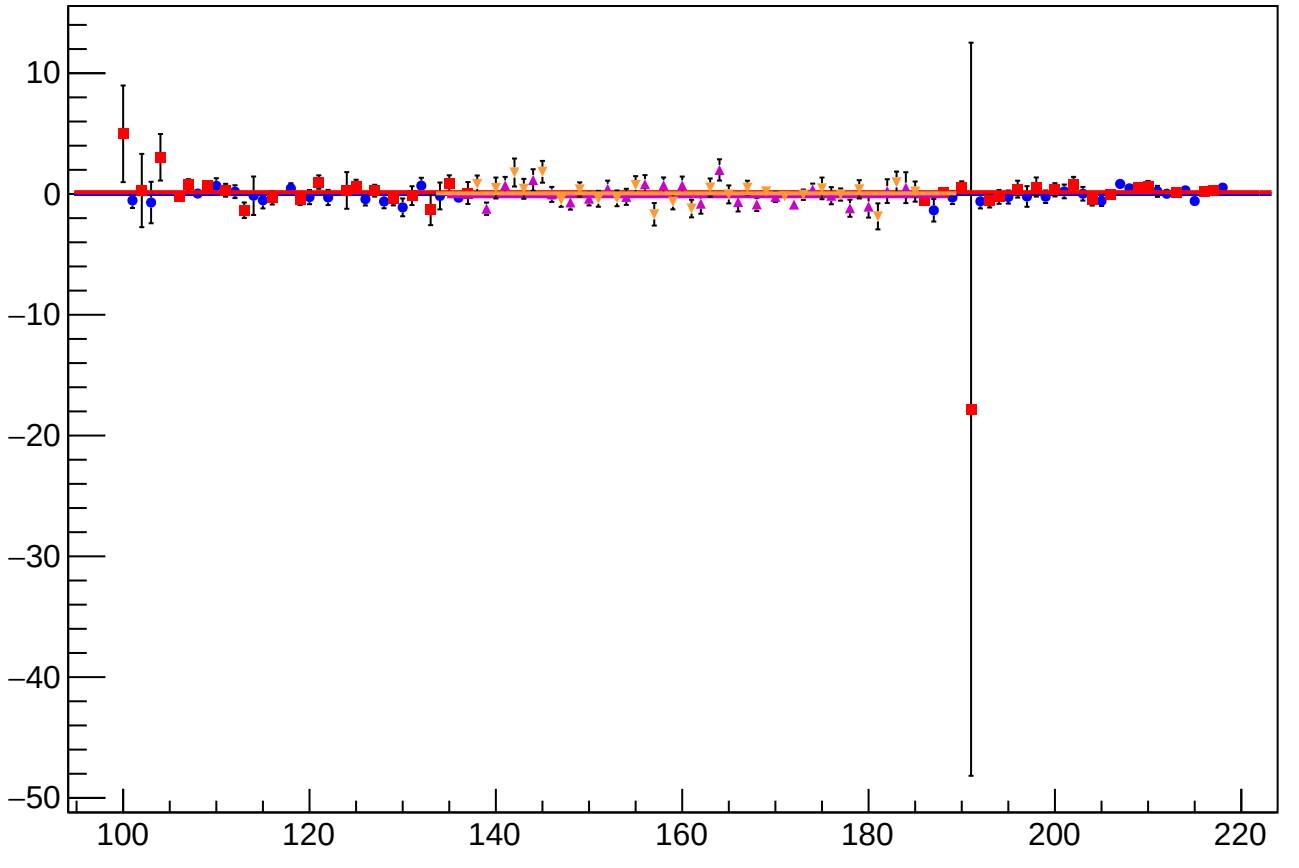
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 348.130+/-0.042 χ^2/NDF: 8579296.9/67

In: 422.089+/-0.052 χ^2/NDF:6929583.0/54

Out: 386.776+/-0.048 χ^2/NDF:12017581.7/60

All: 403.273+/-0.035 χ^2/NDF: 19195619.1/11



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: 0.152+/-0.081 χ^2/NDF: 37.2/35

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

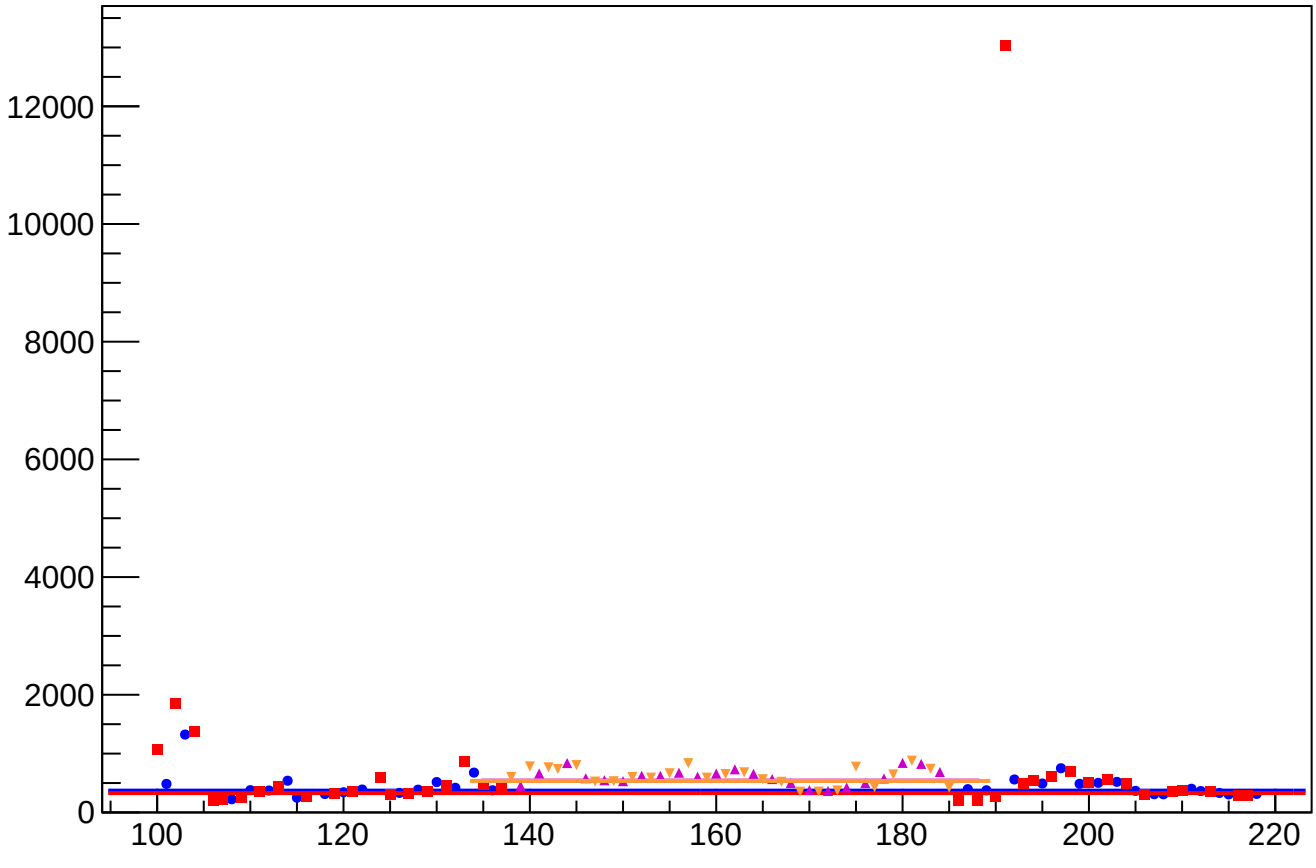
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.082+/-0.059 χ^2/NDF: 69.8/67

In: -0.058+/-0.073 χ^2/NDF:63.5/54

Out: 0.125+/-0.068 χ^2/NDF:62.3/60

All: 0.039+/-0.050 χ^2/NDF: 129.2/115



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: 328.880+/-0.057 χ^2/NDF: 5584330.7/35

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

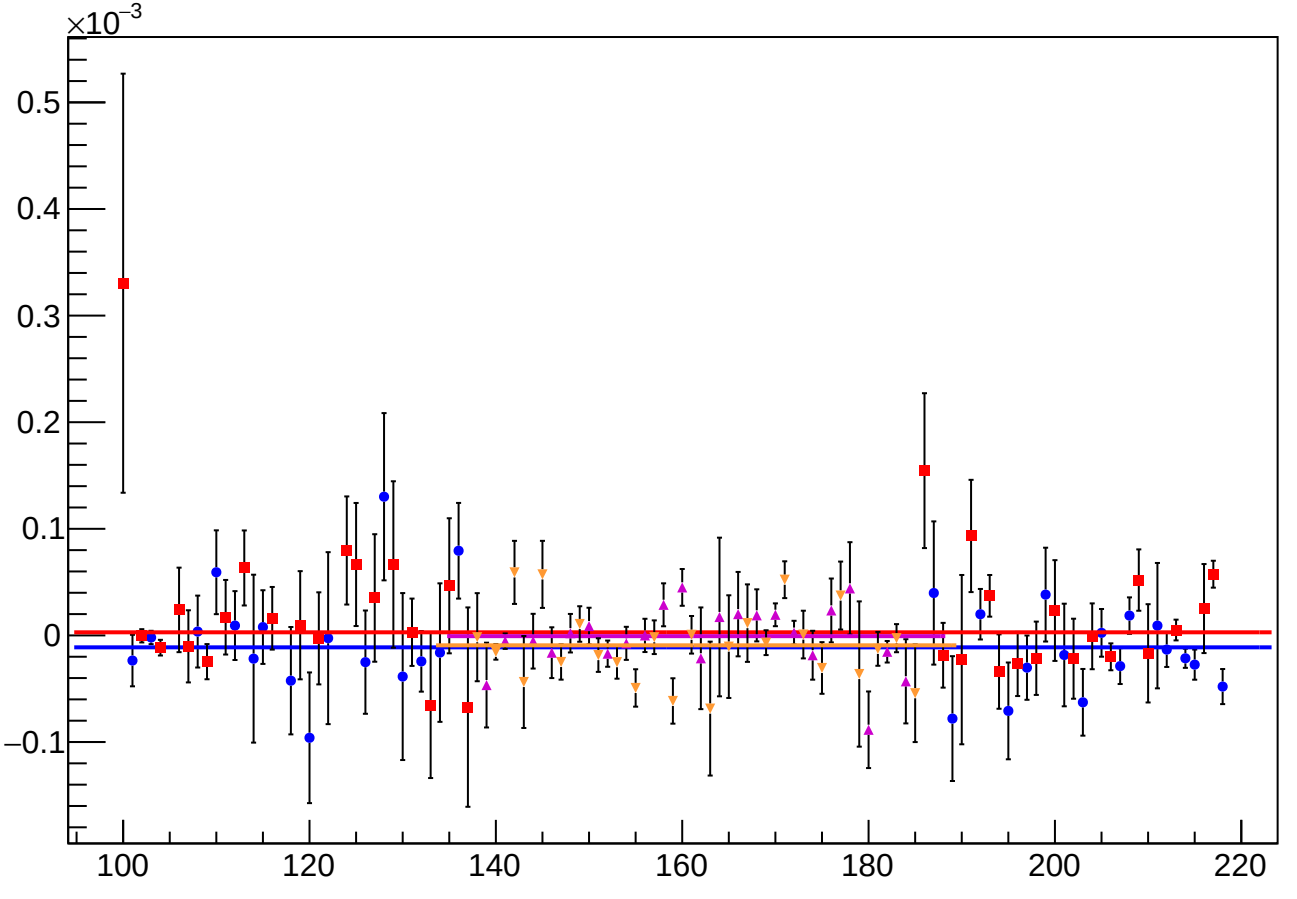
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 348.130+/-0.042 χ^2/NDF: 8579296.9/67

In: 422.089+/-0.052 χ^2/NDF:6929583.0/54

Out: 386.776+/-0.048 χ^2/NDF:12017581.7/60

All: 403.273+/-0.035 χ^2/NDF: 19195619.1/11



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: 59.5/35

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

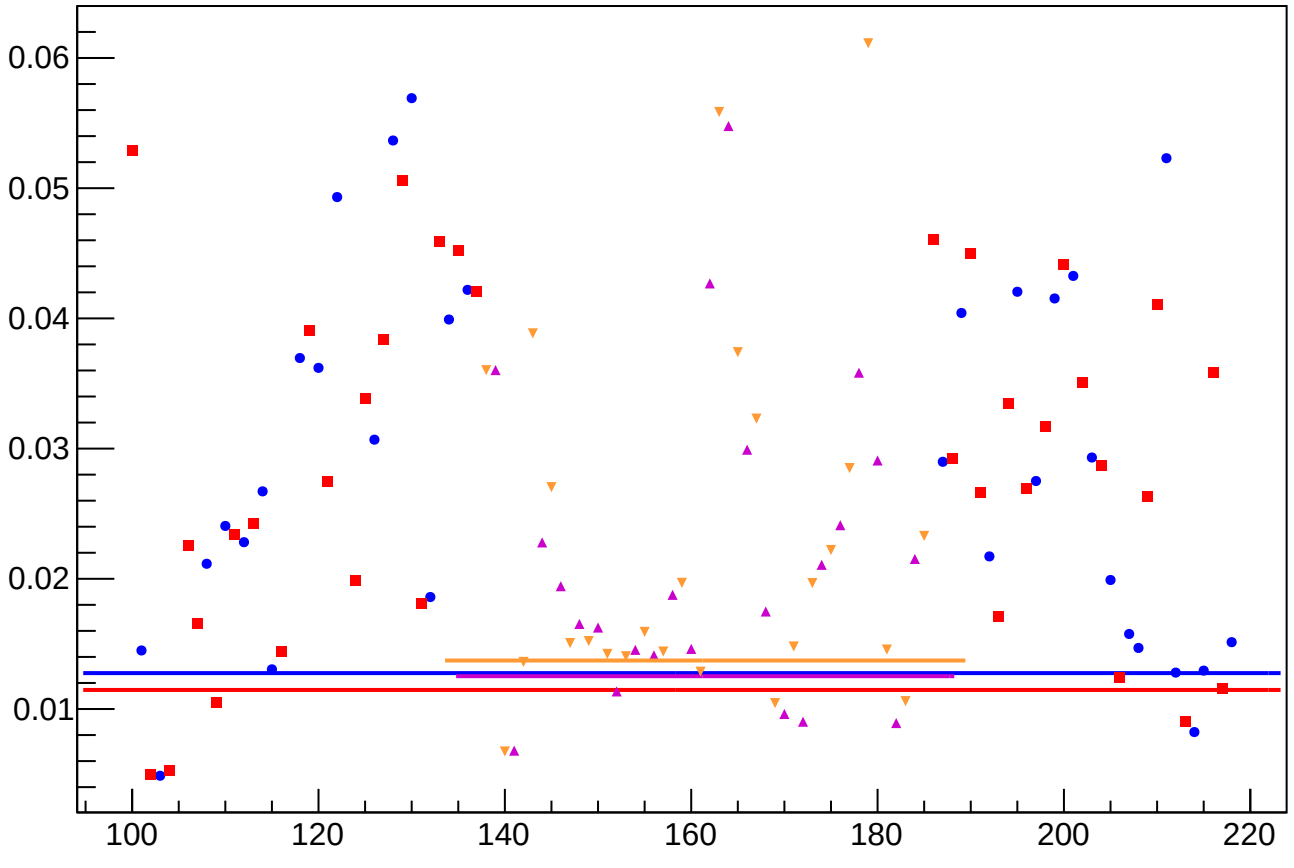
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 106.2/67

In: -0.000+/-0.000 χ^2/NDF:72.9/54

Out: -0.000+/-0.000 χ^2/NDF:110.9/60

All: -0.000+/-0.000 χ^2/NDF: 184.5/115



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: 0.011+/-0.000 χ^2/NDF: 16292998.5/35

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

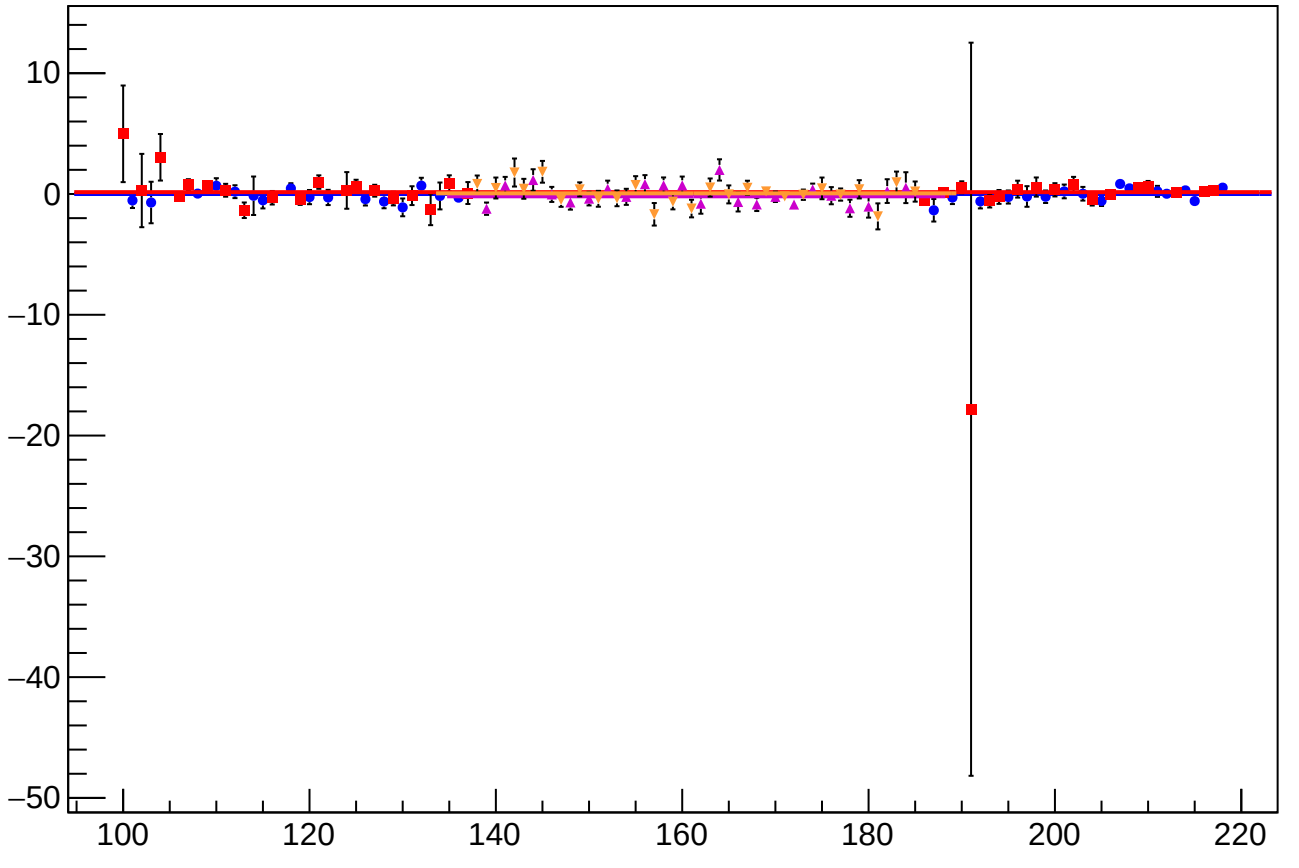
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.012+/-0.000 χ^2/NDF: 30191682.6/67

In: 0.013+/-0.000 χ^2/NDF:20888158.6/54

Out: 0.013+/-0.000 χ^2/NDF:24436569.9/60

All: 0.013+/-0.000 χ^2/NDF: 45327379.6/115



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: 0.152+/-0.081 χ^2/NDF: 37.2/35

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

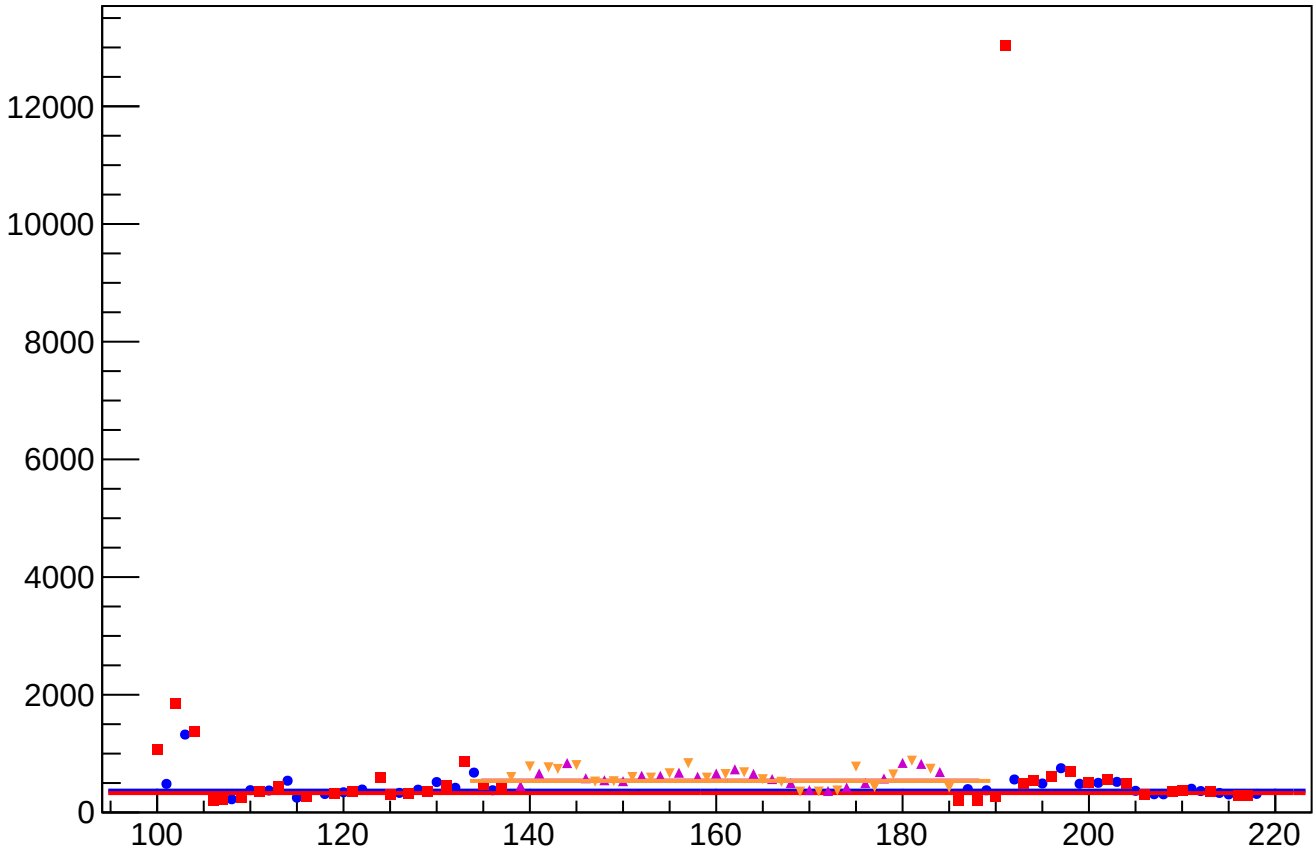
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.082+/-0.059 χ^2/NDF: 69.8/67

In: -0.058+/-0.073 χ^2/NDF:63.5/54

Out: 0.125+/-0.068 χ^2/NDF:62.3/60

All: 0.039+/-0.050 χ^2/NDF: 129.2/115



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: 328.880+/-0.057 χ^2/NDF: 5584280.1/35

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

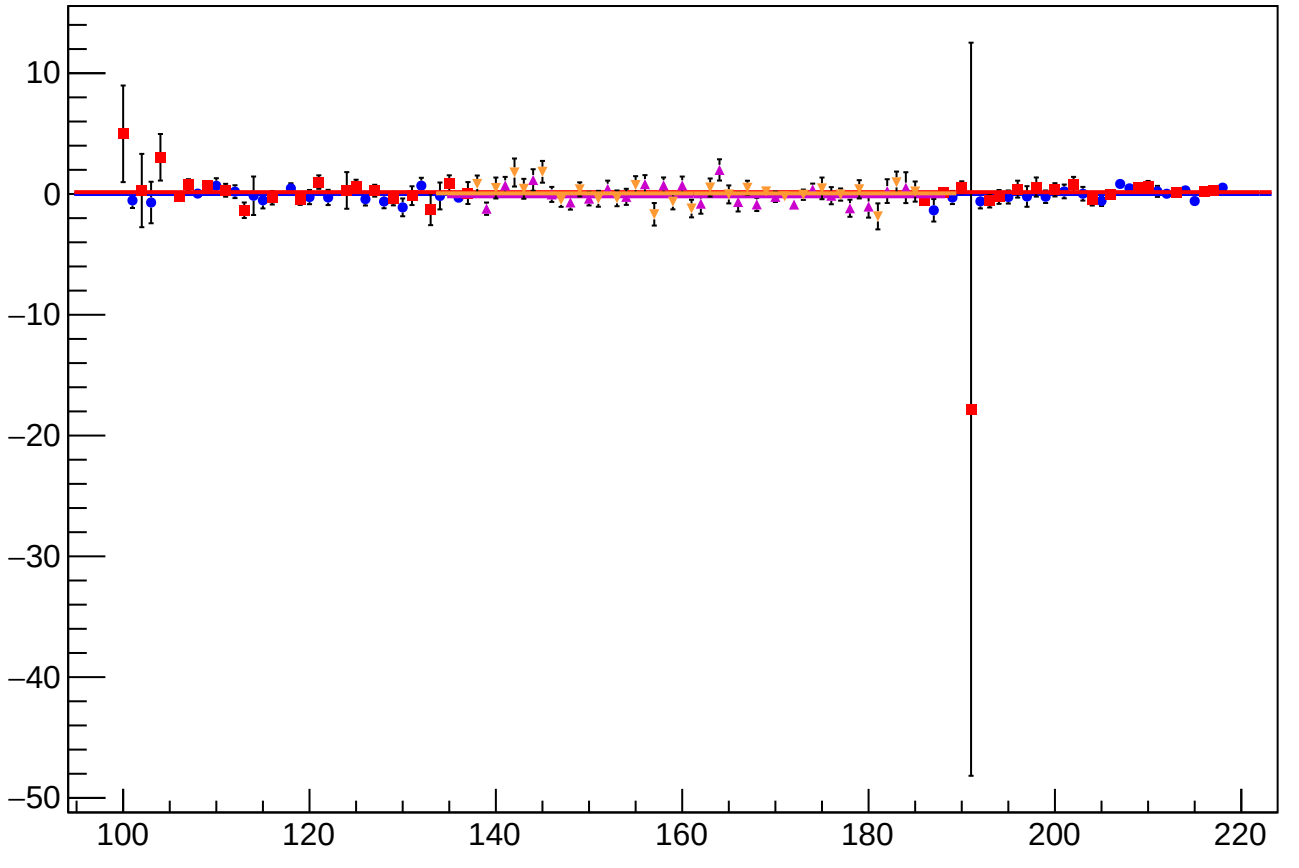
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 348.129+/-0.042 χ^2/NDF: 8579258.2/67

In: 422.088+/-0.052 χ^2/NDF:6929821.1/54

Out: 386.777+/-0.048 χ^2/NDF:12017737.5/60

All: 403.272+/-0.035 χ^2/NDF: 19195995.8/11



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: 0.152+/-0.081 χ^2/NDF: 37.2/35

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

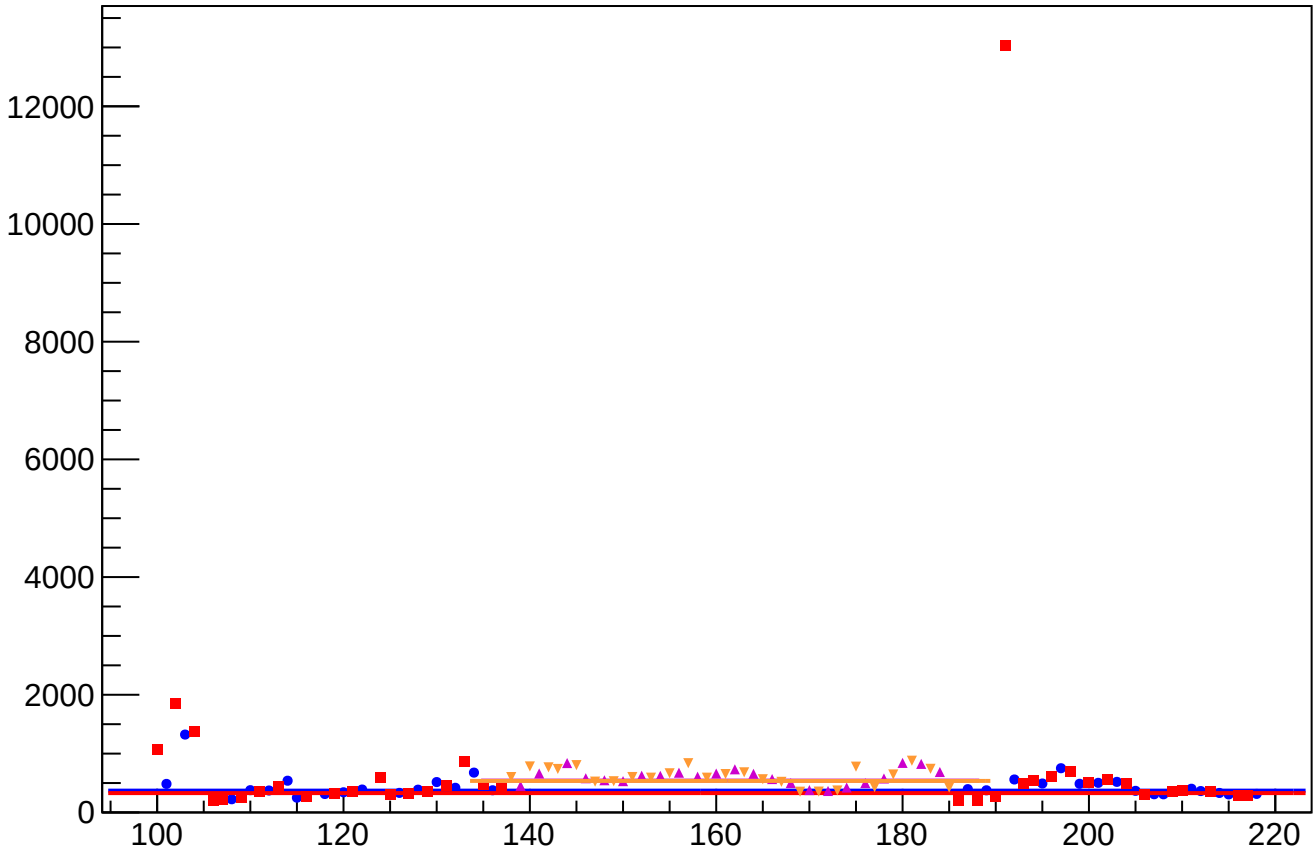
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.082+/-0.059 χ^2/NDF: 69.8/67

In: -0.058+/-0.073 χ^2/NDF:63.5/54

Out: 0.125+/-0.068 χ^2/NDF:62.3/60

All: 0.039+/-0.050 χ^2/NDF: 129.2/115



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: 328.880+/-0.057 χ^2/NDF: 5584280.1/35

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

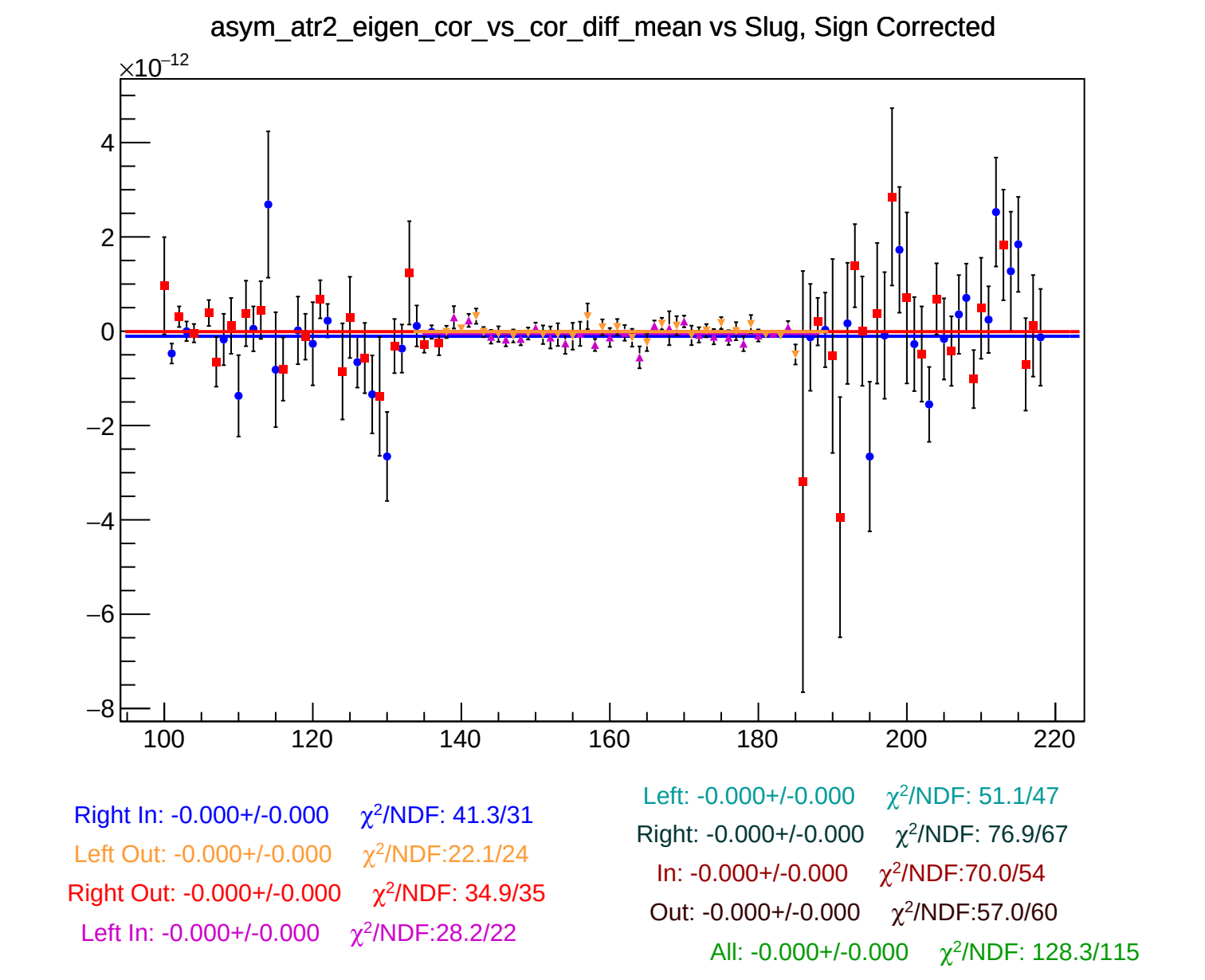
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

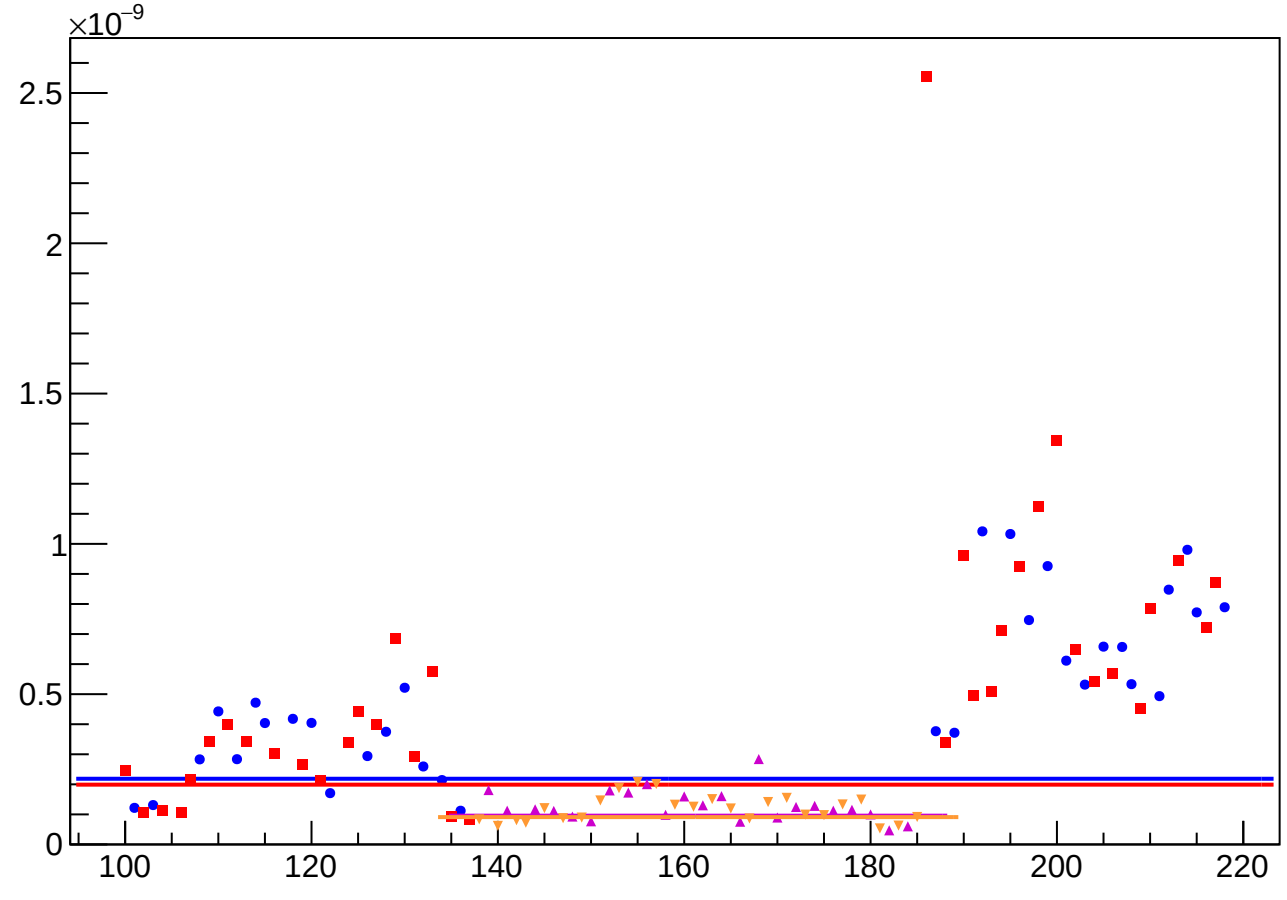
Right: 348.129+/-0.042 χ^2/NDF: 8579258.2/67

In: 422.088+/-0.052 χ^2/NDF:6929821.1/54

Out: 386.777+/-0.048 χ^2/NDF:12017737.5/60

All: 403.272+/-0.035 χ^2/NDF: 19195995.8/11


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: 34.9/35
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: 76.9/67
In: -0.000+/-0.000 χ²/NDF:70.0/54
Out: -0.000+/-0.000 χ²/NDF:57.0/60
All: -0.000+/-0.000 χ²/NDF: 128.3/115



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: 11377174.6/35

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

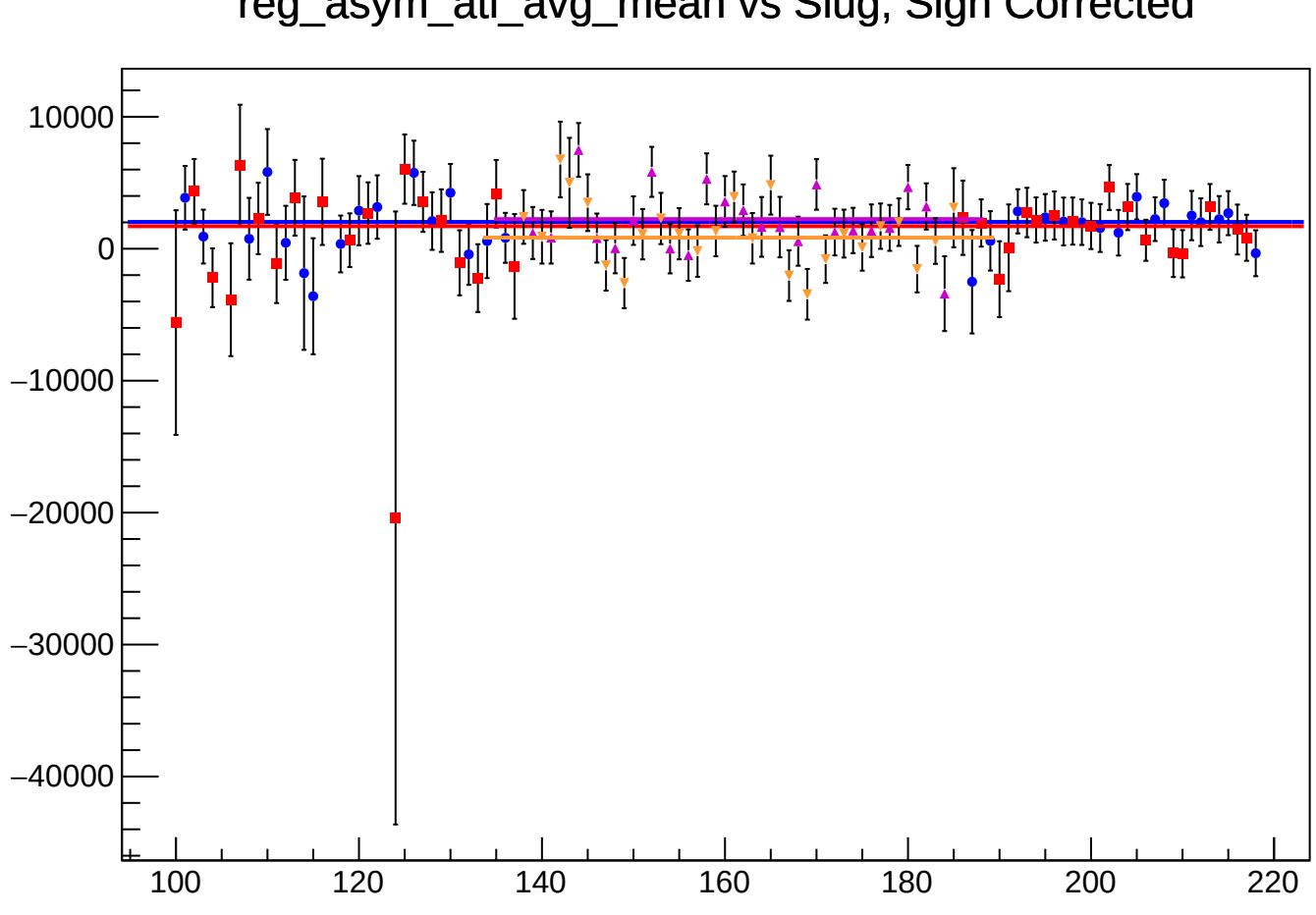
Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

Right: 0.000+/-0.000 χ^2/NDF: 21484382.8/67

In: 0.000+/-0.000 χ^2/NDF:17926918.3/54

Out: 0.000+/-0.000 χ^2/NDF:18098299.6/60

All: 0.000+/-0.000 χ^2/NDF: 36088290.3/115



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: 1705.146+/-370.668 χ^2/NDF: 30.0/35

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

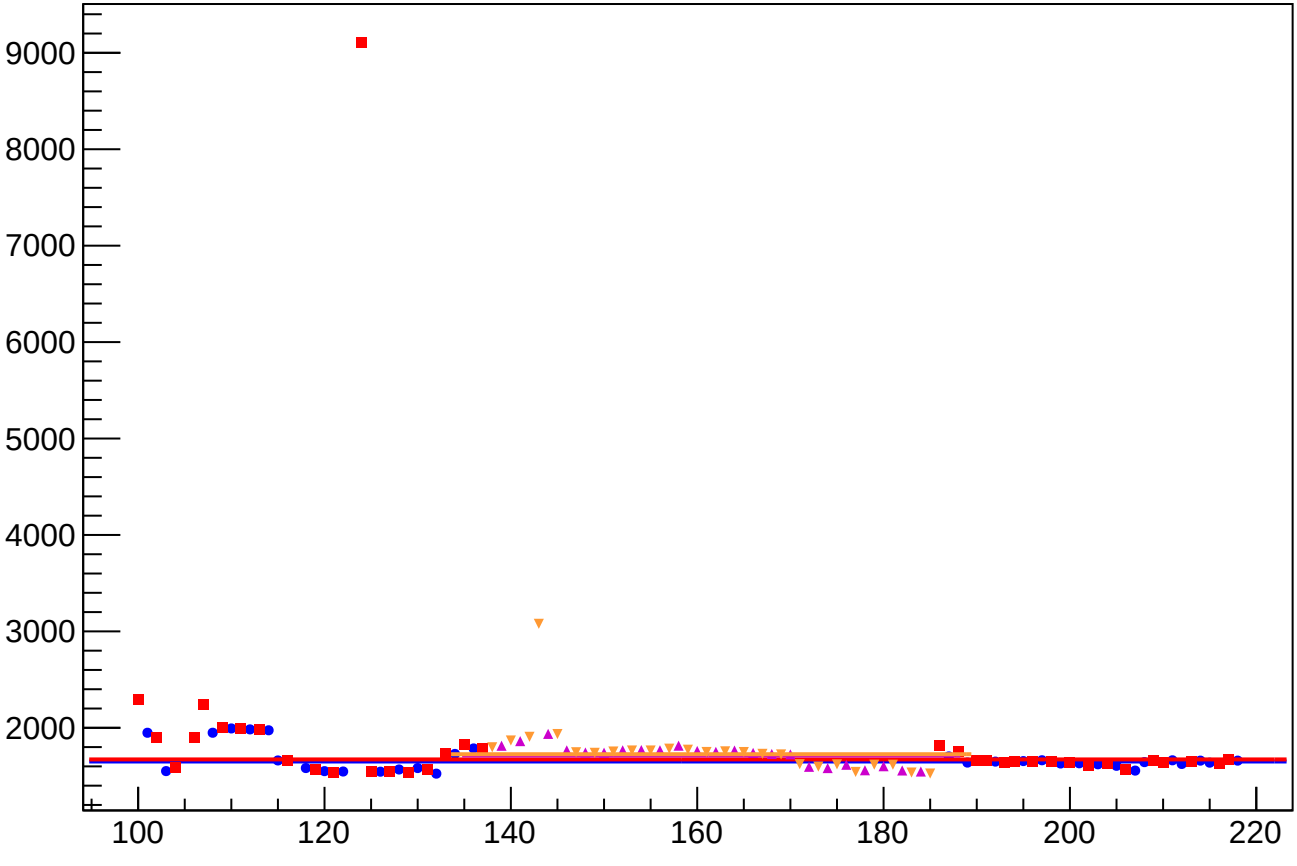
Right: 1868.570+/-261.188 χ^2/NDF: 47.6/67

In: 2128.260+/-271.095 χ^2/NDF:46.8/54

Out: 1300.169+/-270.116 χ^2/NDF:63.0/60

All: 1712.718+/-191.346 χ^2/NDF: 114.4/115

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: 1672.148+/-0.262 χ^2/NDF: 420341.1/35

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

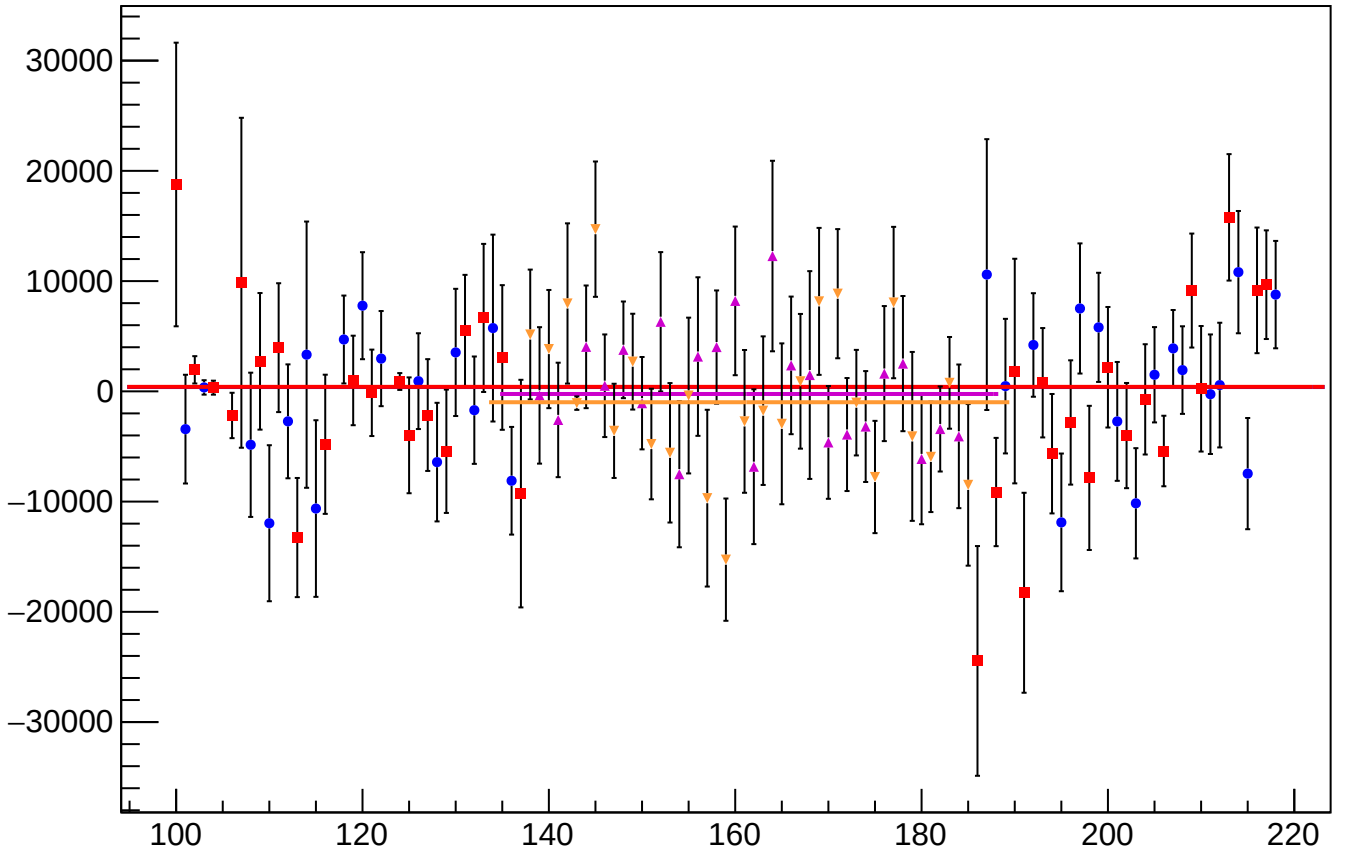
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1661.359+/-0.185 χ^2/NDF: 579298.0/67

In: 1679.272+/-0.192 χ^2/NDF:311225.6/54

Out: 1697.387+/-0.191 χ^2/NDF:895140.8/60

All: 1688.370+/-0.135 χ^2/NDF: 1210851.6/11



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: 406.923+/-403.903 χ^2/NDF: 55.8/35

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

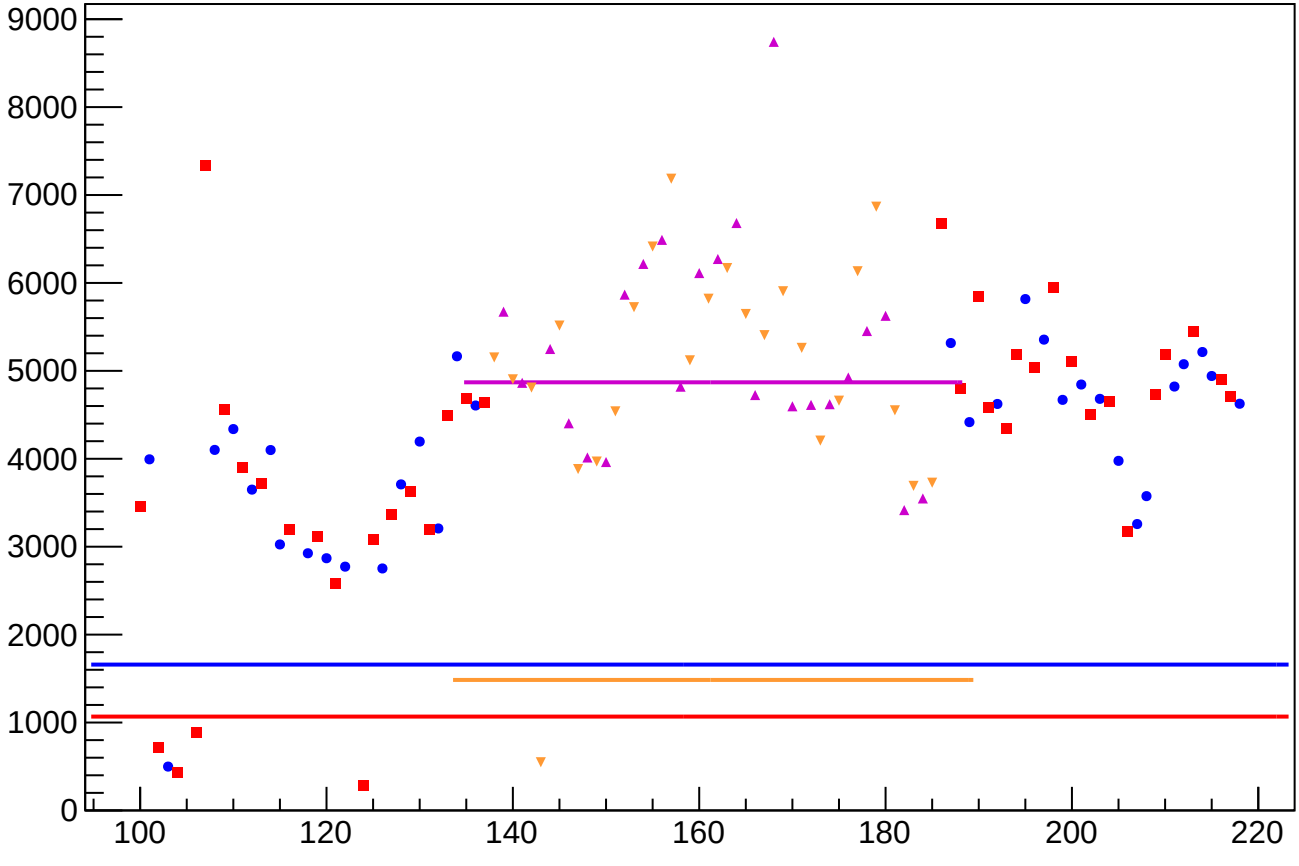
Right: 401.276+/-322.514 χ^2/NDF: 94.6/67

In: 281.216+/-486.741 χ^2/NDF:52.6/54

Out: -91.889+/-323.705 χ^2/NDF:90.9/60

All: 22.526+/-269.541 χ^2/NDF: 143.8/115

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: 1067.661+/-0.286 χ^2/NDF: 26077931.8/35

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

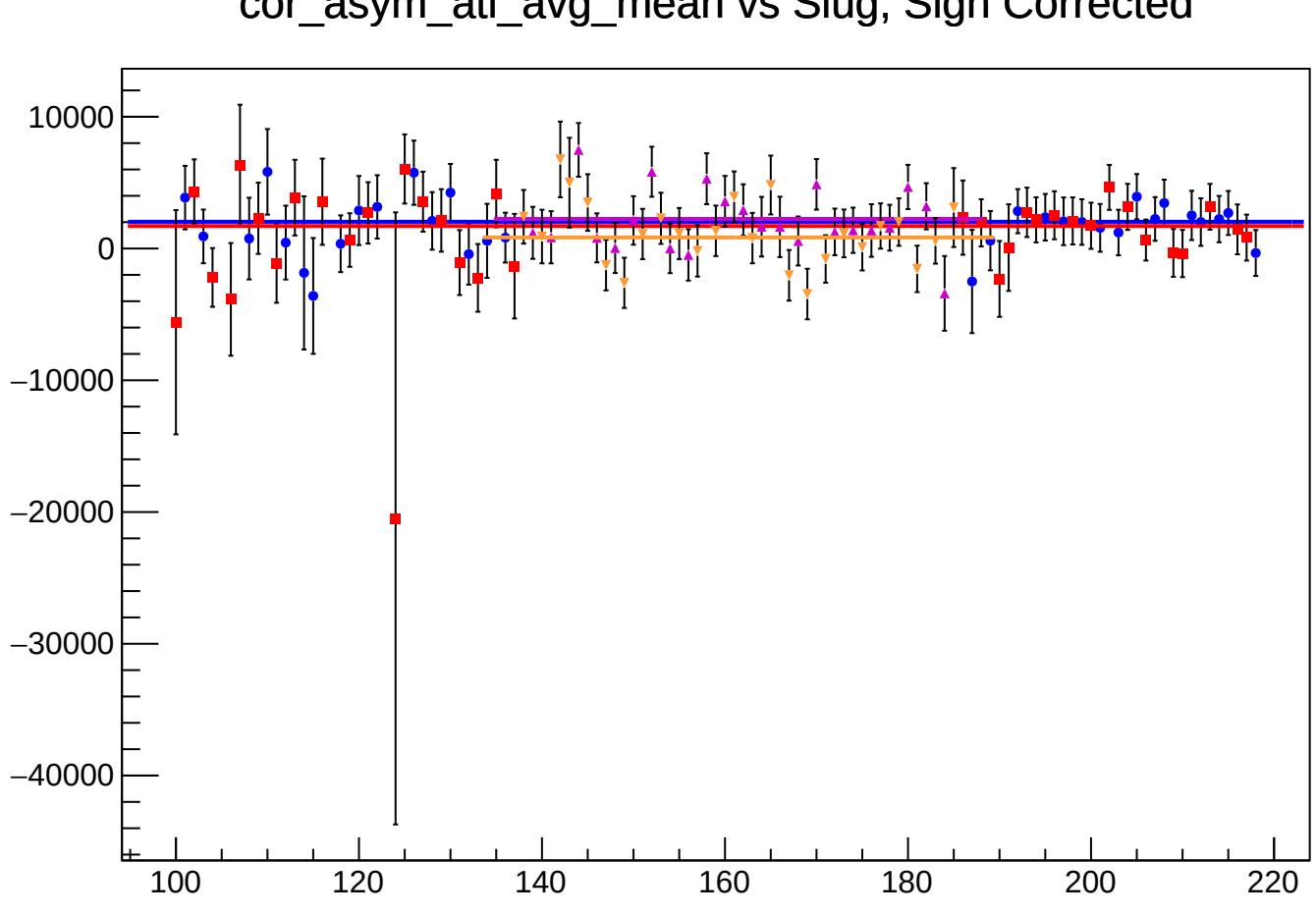
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 1282.016+/-0.228 χ^2/NDF: 48417448.6/67

In: 2219.531+/-0.344 χ^2/NDF:34796569.5/54

Out: 1216.782+/-0.229 χ^2/NDF:50065043.1/60

All: 1524.281+/-0.191 χ^2/NDF: 90746894.7/1



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: 1704.323+/-370.669 χ^2/NDF: 30.0/35

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

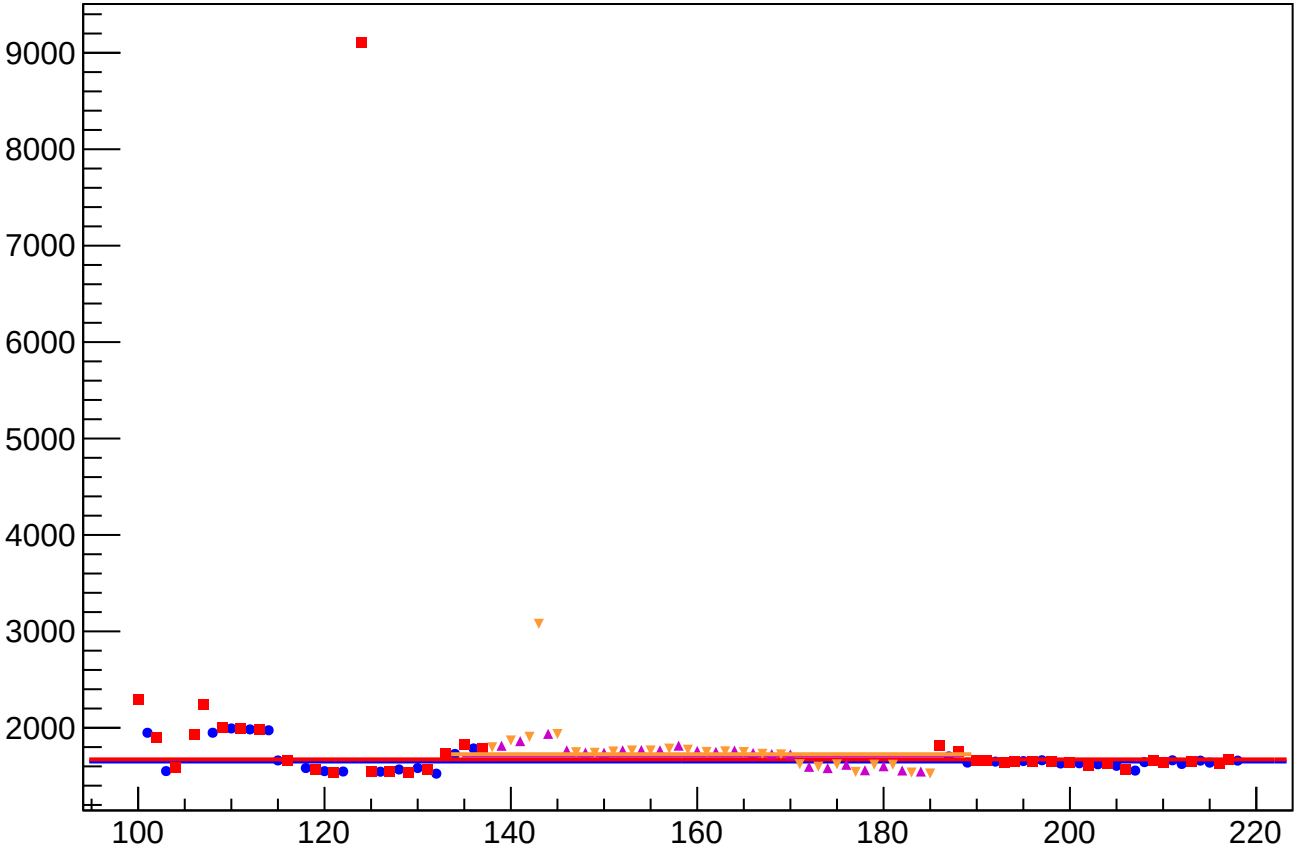
Right: 1868.182+/-261.189 χ^2/NDF: 47.6/67

In: 2128.291+/-271.095 χ^2/NDF:46.8/54

Out: 1299.727+/-270.117 χ^2/NDF:62.9/60

All: 1712.512+/-191.346 χ^2/NDF: 114.4/115

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: 1672.412+/-0.262 χ^2/NDF: 422452.9/35

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

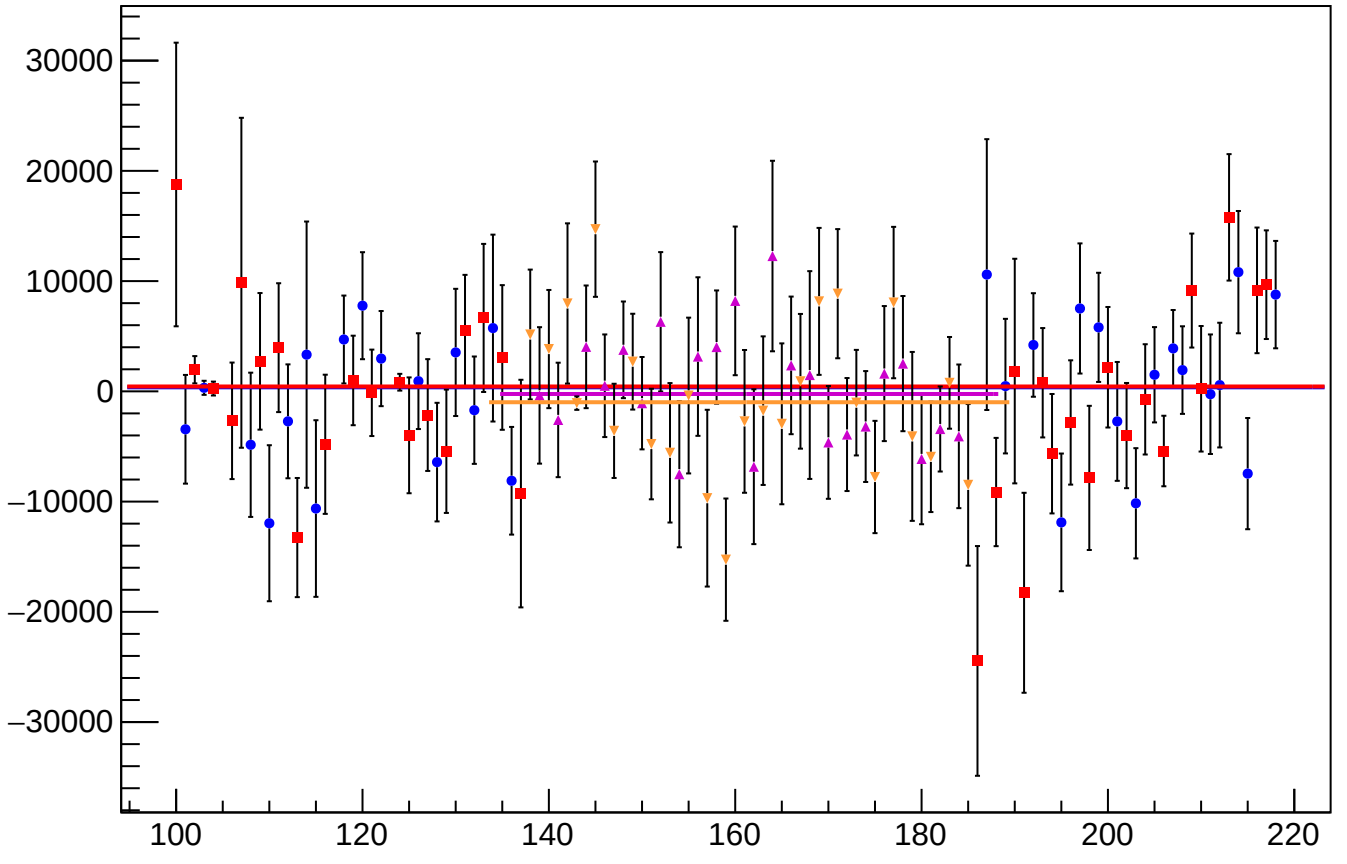
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1661.489+/-0.185 χ^2/NDF: 581493.0/67

In: 1679.272+/-0.192 χ^2/NDF:311225.7/54

Out: 1697.532+/-0.191 χ^2/NDF:897055.3/60

All: 1688.442+/-0.135 χ^2/NDF: 1212837.8/11



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: 440.480+/-408.912 χ^2/NDF: 54.5/35

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

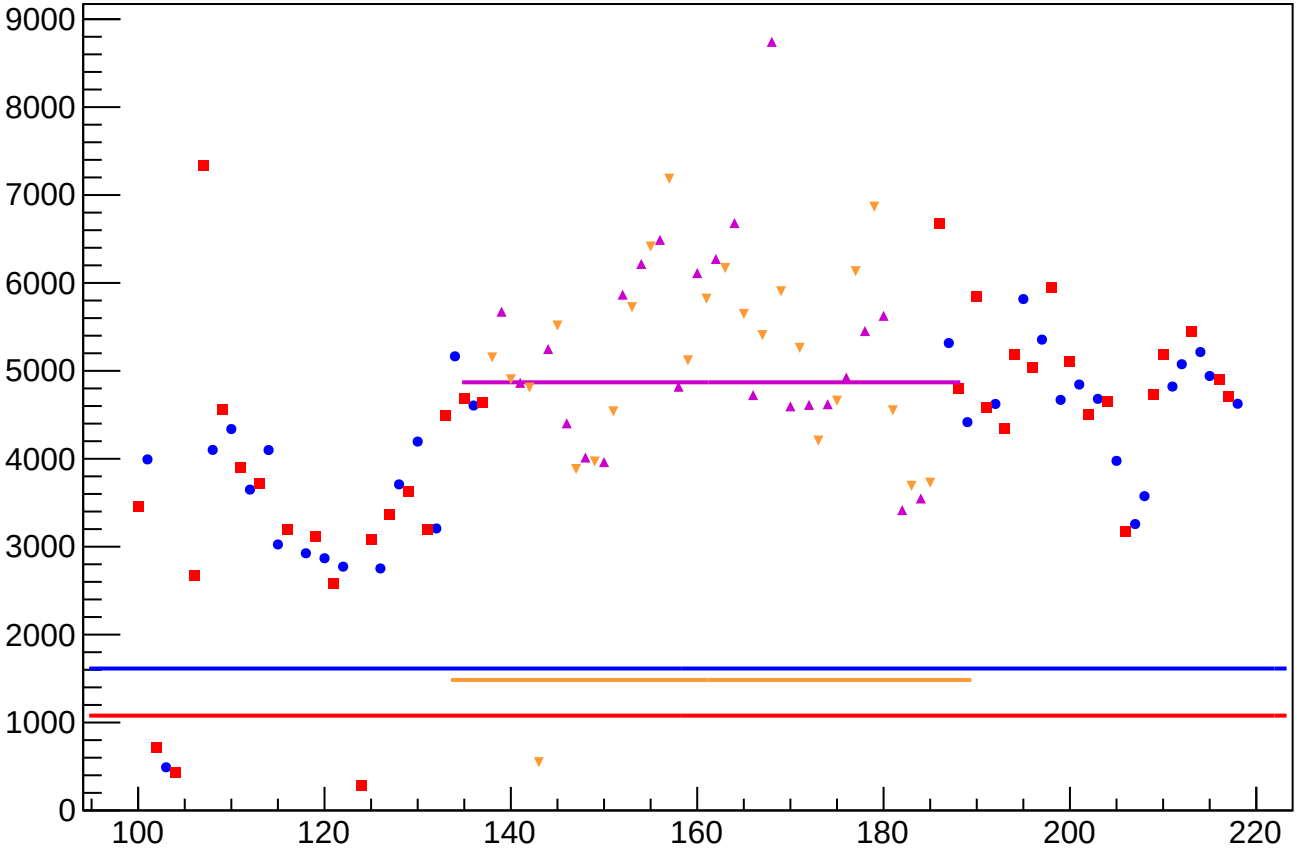
Right: 412.398+/-322.971 χ^2/NDF: 93.3/67

In: 263.144+/-479.850 χ^2/NDF:52.6/54

Out: -78.353+/-326.263 χ^2/NDF:89.7/60

All: 29.610+/-269.805 χ^2/NDF: 142.7/115

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: 1078.709+/-0.289 χ^2/NDF: 26298007.1/35

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

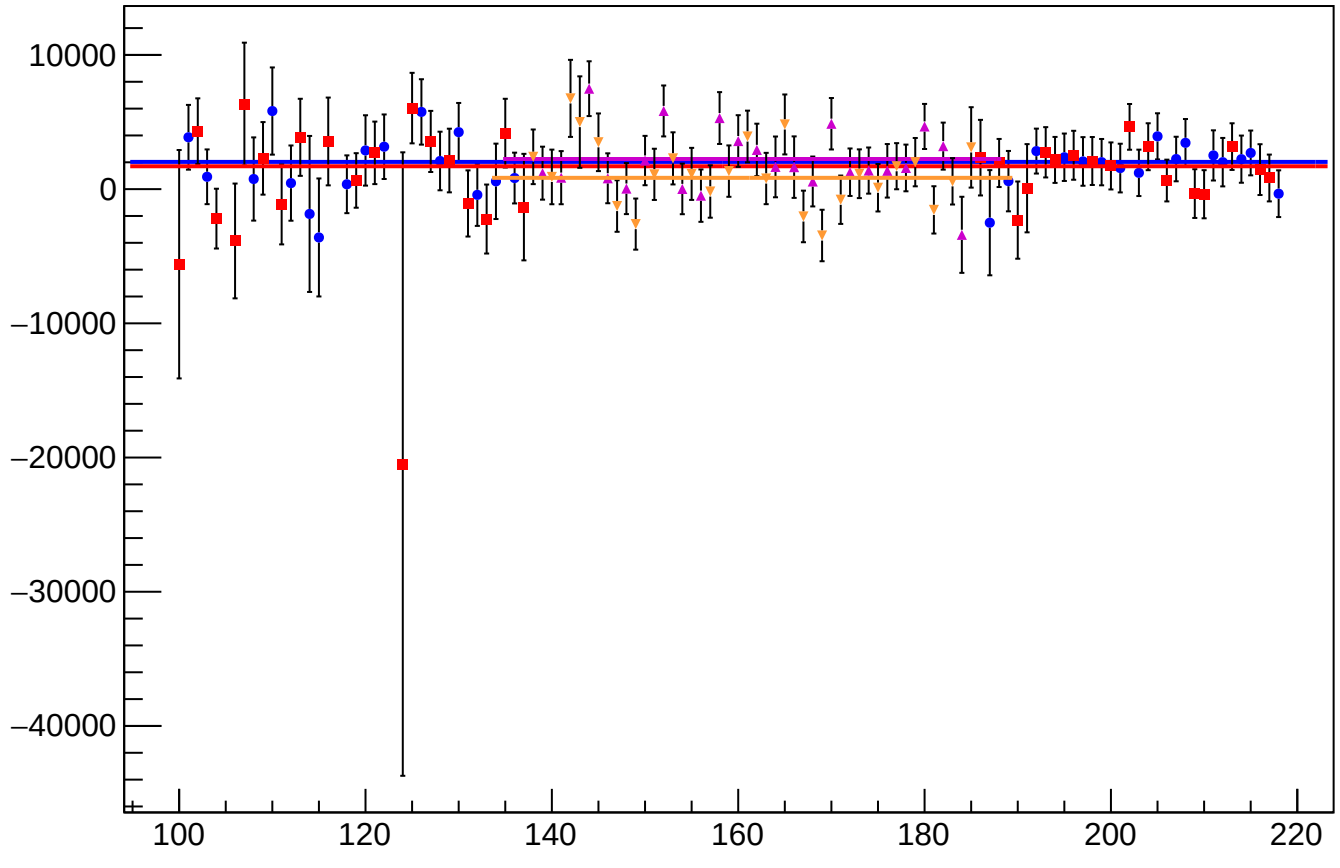
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1280.184+/-0.228 χ^2/NDF: 48781238.5/67

In: 2166.546+/-0.339 χ^2/NDF:35633156.6/54

Out: 1226.162+/-0.231 χ^2/NDF:50239244.4/60

All: 1523.462+/-0.191 χ^2/NDF: 91125224.3/1



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: 1704.323+/-370.669 χ^2/NDF: 30.0/35

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

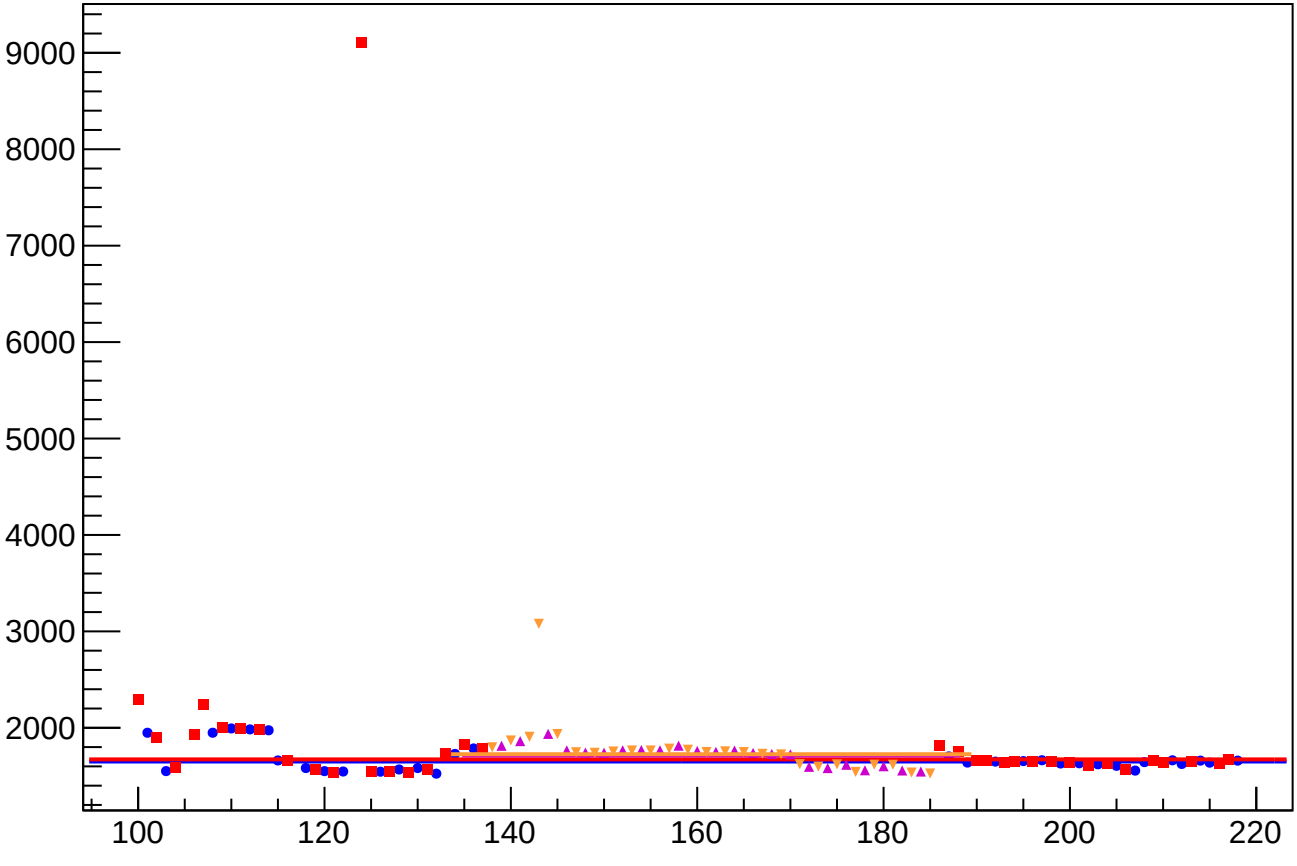
Right: 1868.182+/-261.189 χ^2/NDF: 47.6/67

In: 2128.291+/-271.095 χ^2/NDF:46.8/54

Out: 1299.727+/-270.117 χ^2/NDF:62.9/60

All: 1712.512+/-191.346 χ^2/NDF: 114.4/115

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: 1672.412+/-0.262 χ^2/NDF: 422452.9/35

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

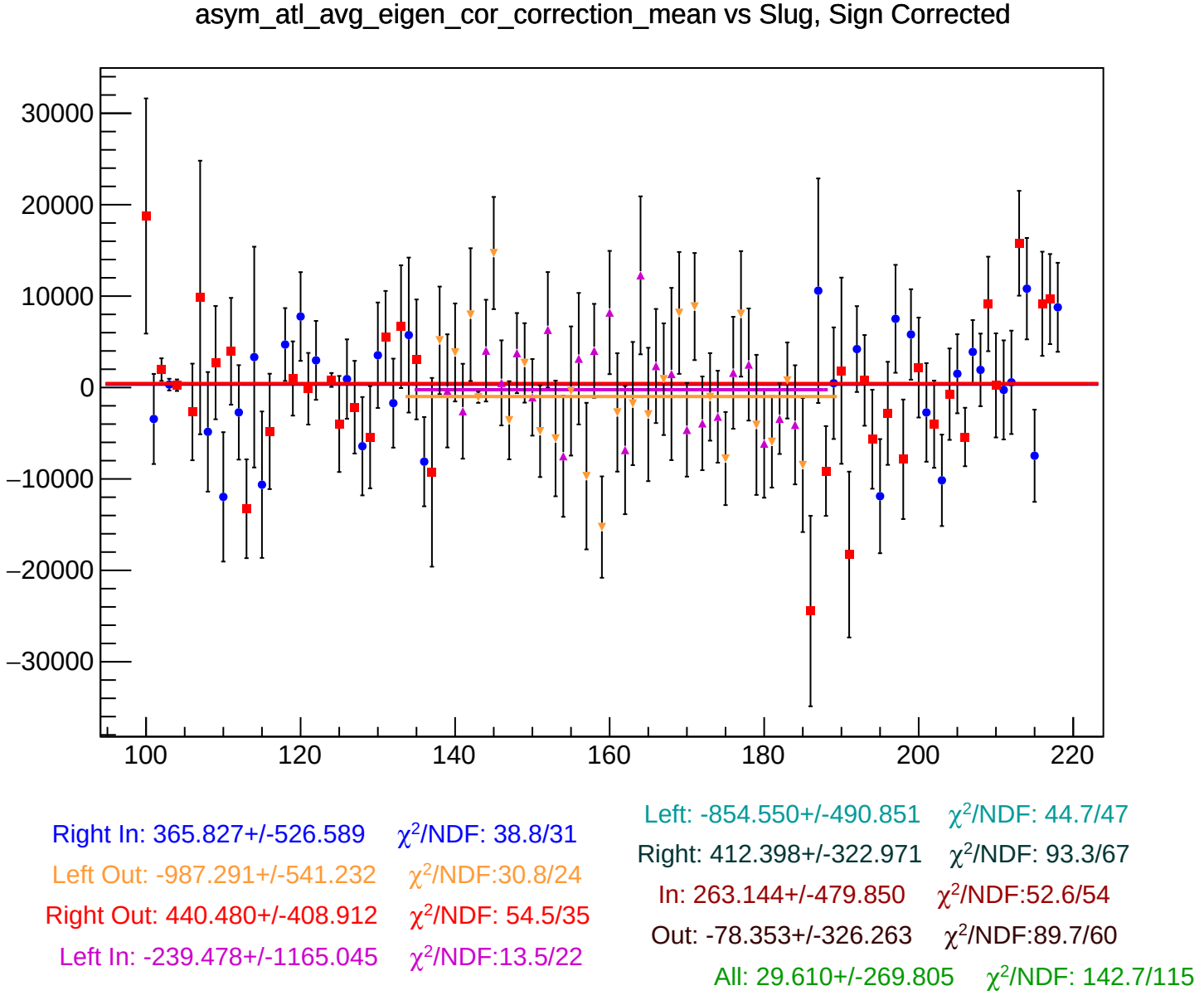
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

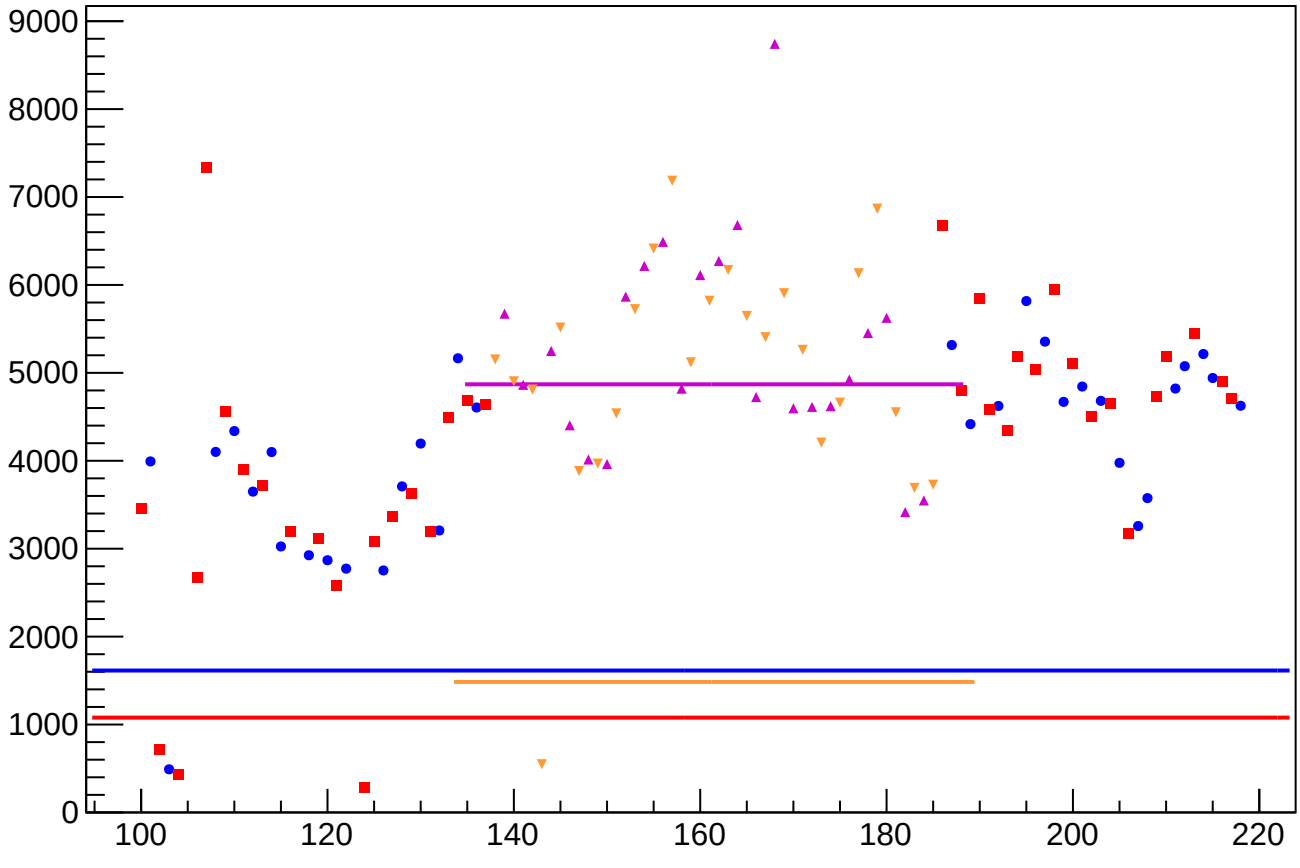
Right: 1661.489+/-0.185 χ^2/NDF: 581493.0/67

In: 1679.272+/-0.192 χ^2/NDF:311225.7/54

Out: 1697.532+/-0.191 χ^2/NDF:897055.3/60

All: 1688.442+/-0.135 χ^2/NDF: 1212837.8/11


asym_atl_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 365.827+/-526.589 χ²/NDF: 38.8/31
Left Out: -987.291+/-541.232 χ²/NDF:30.8/24
Right Out: 440.480+/-408.912 χ²/NDF: 54.5/35
Left In: -239.478+/-1165.045 χ²/NDF:13.5/22
Left: -854.550+/-490.851 χ²/NDF: 44.7/47
Right: 412.398+/-322.971 χ²/NDF: 93.3/67
In: 263.144+/-479.850 χ²/NDF:52.6/54
Out: -78.353+/-326.263 χ²/NDF:89.7/60
All: 29.610+/-269.805 χ²/NDF: 142.7/115



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: 1078.709+/-0.289 χ^2/NDF: 26298007.1/35

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

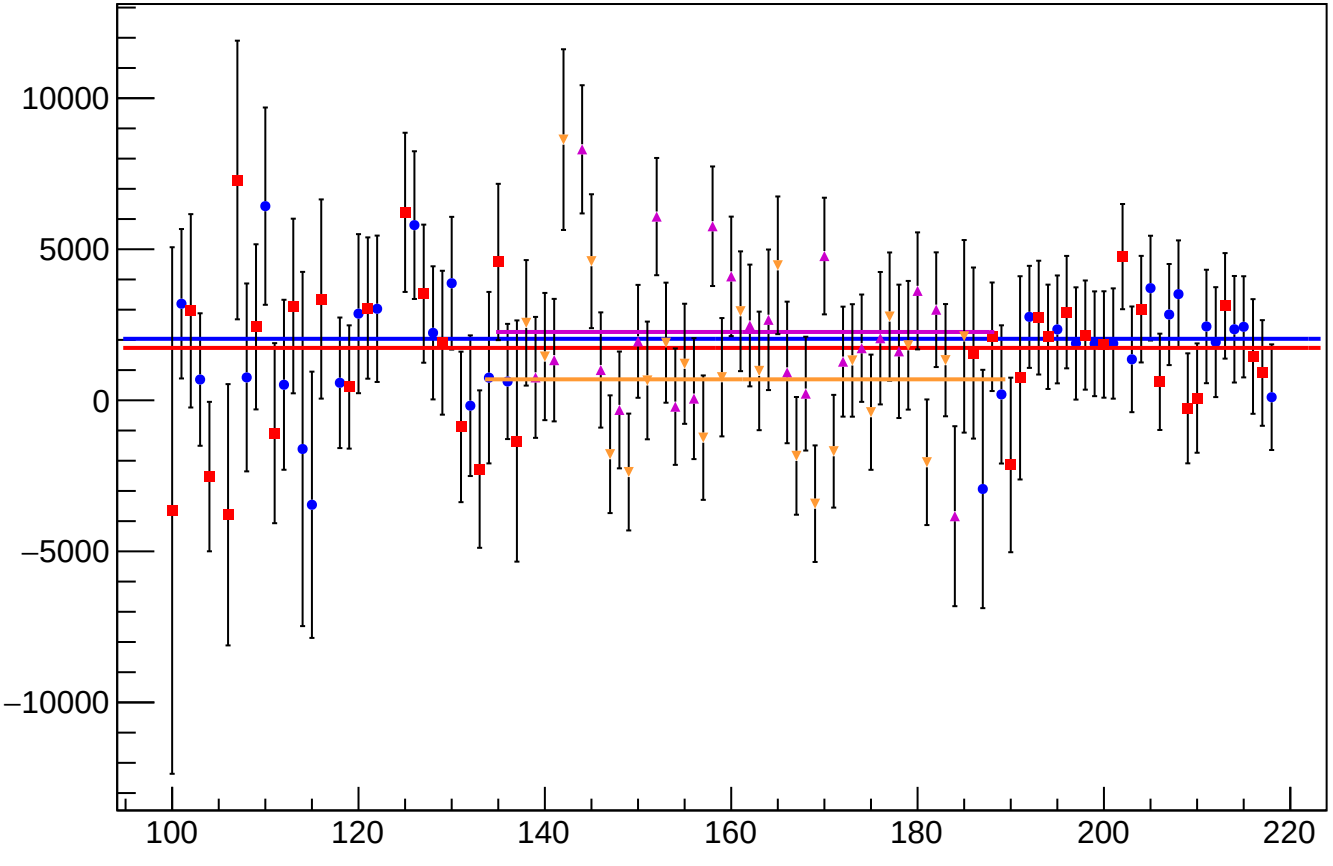
Right: 1280.184+/-0.228 χ^2/NDF: 48781238.5/67

In: 2166.546+/-0.339 χ^2/NDF:35633156.6/54

Out: 1226.162+/-0.231 χ^2/NDF:50239244.4/60

All: 1523.462+/-0.191 χ^2/NDF: 91125224.3/1

dit_asym_atl_avg_mean vs Slug, Sign Corrected



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: 1734.336+/-376.613 χ^2/NDF: 27.2/34

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

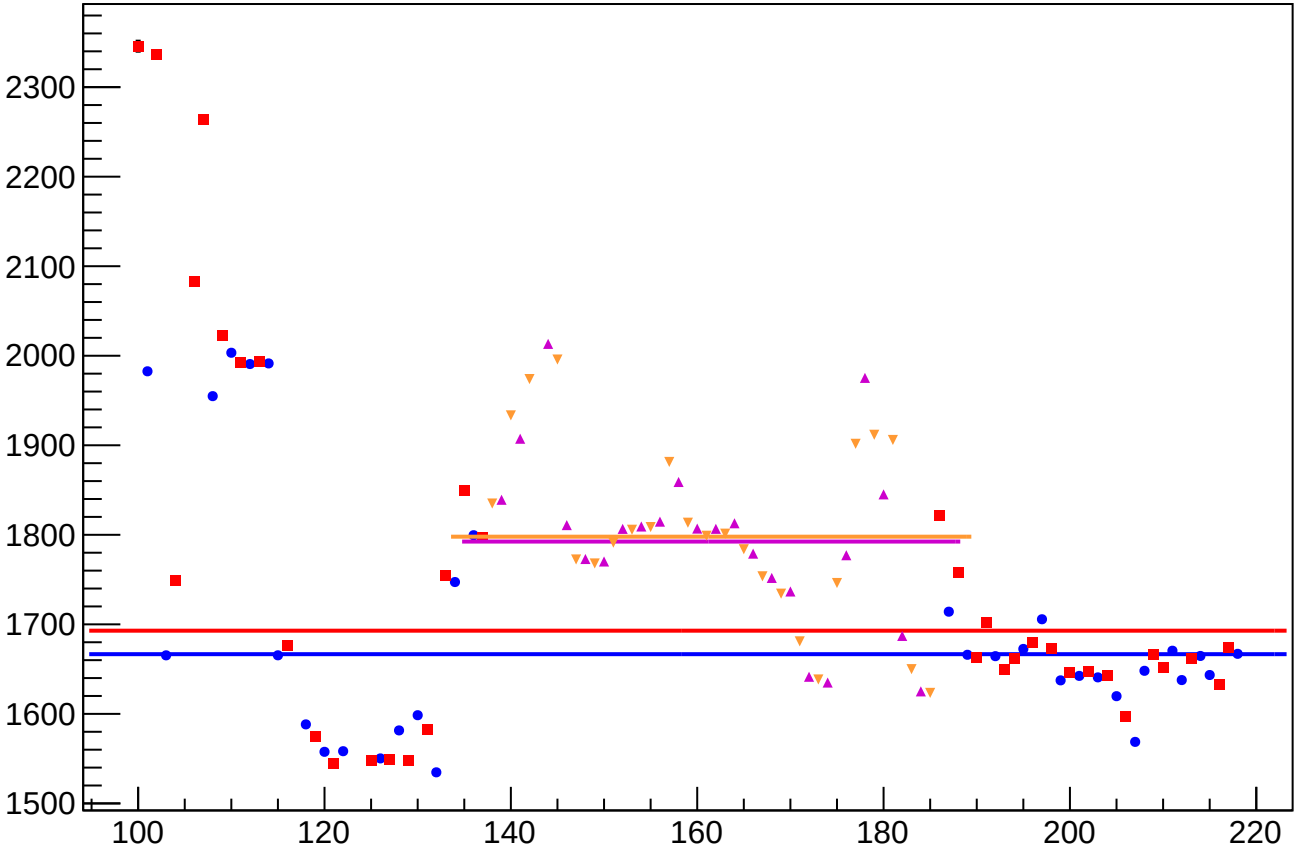
Right: 1886.947+/-264.581 χ^2/NDF: 43.7/66

In: 2135.218+/-278.143 χ^2/NDF:46.7/54

Out: 1268.411+/-279.812 χ^2/NDF:62.8/58

All: 1704.407+/-197.264 χ^2/NDF: 114.4/113

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: 1692.920+/-0.266 χ^2/NDF: 289145.4/34

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

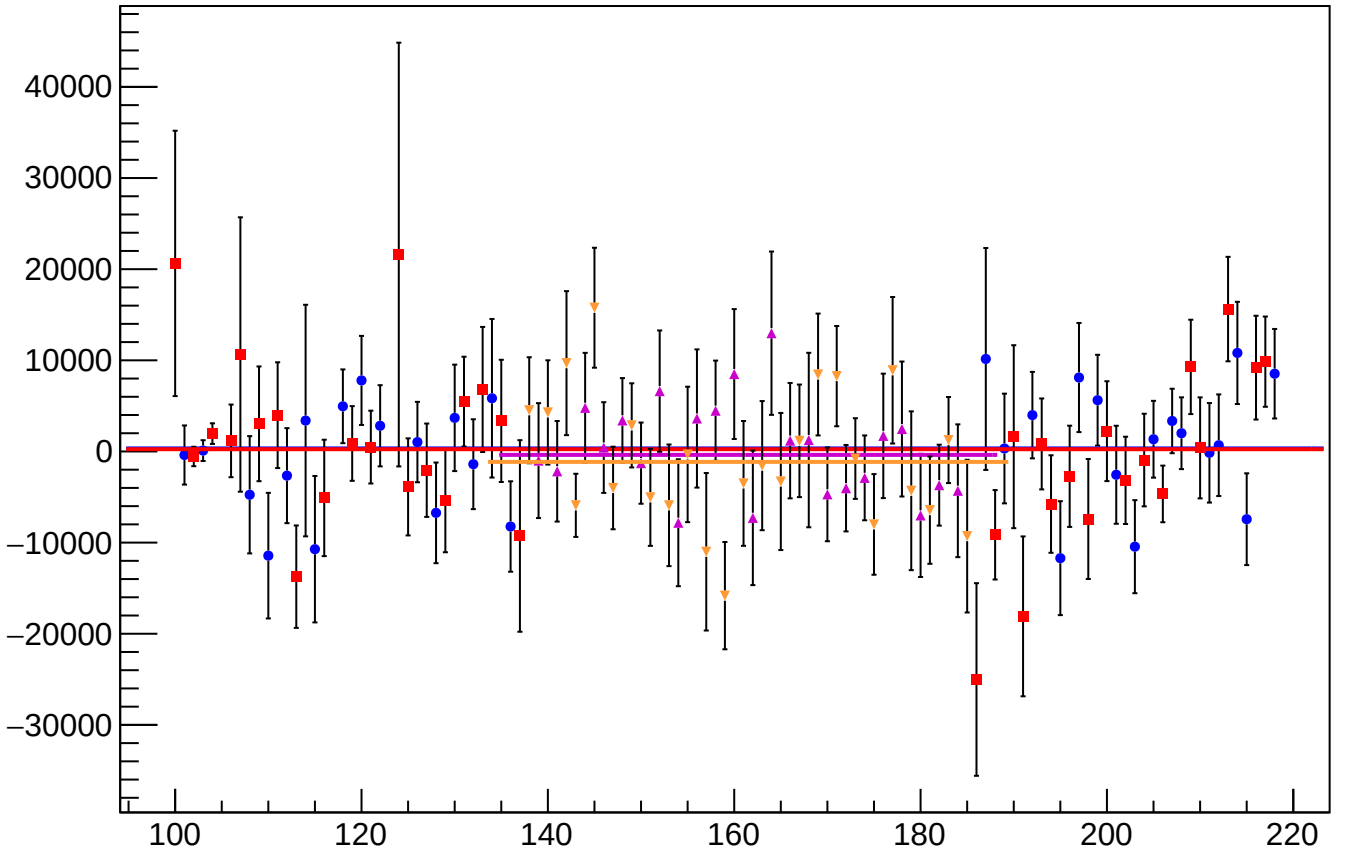
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1679.643+/-0.187 χ^2/NDF: 447080.4/66

In: 1722.059+/-0.197 χ^2/NDF:346657.9/54

Out: 1739.917+/-0.198 χ^2/NDF:456824.6/58

All: 1730.938+/-0.139 χ^2/NDF: 807581.7/113



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: 246.719+/-601.562 χ^2/NDF: 54.9/35

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

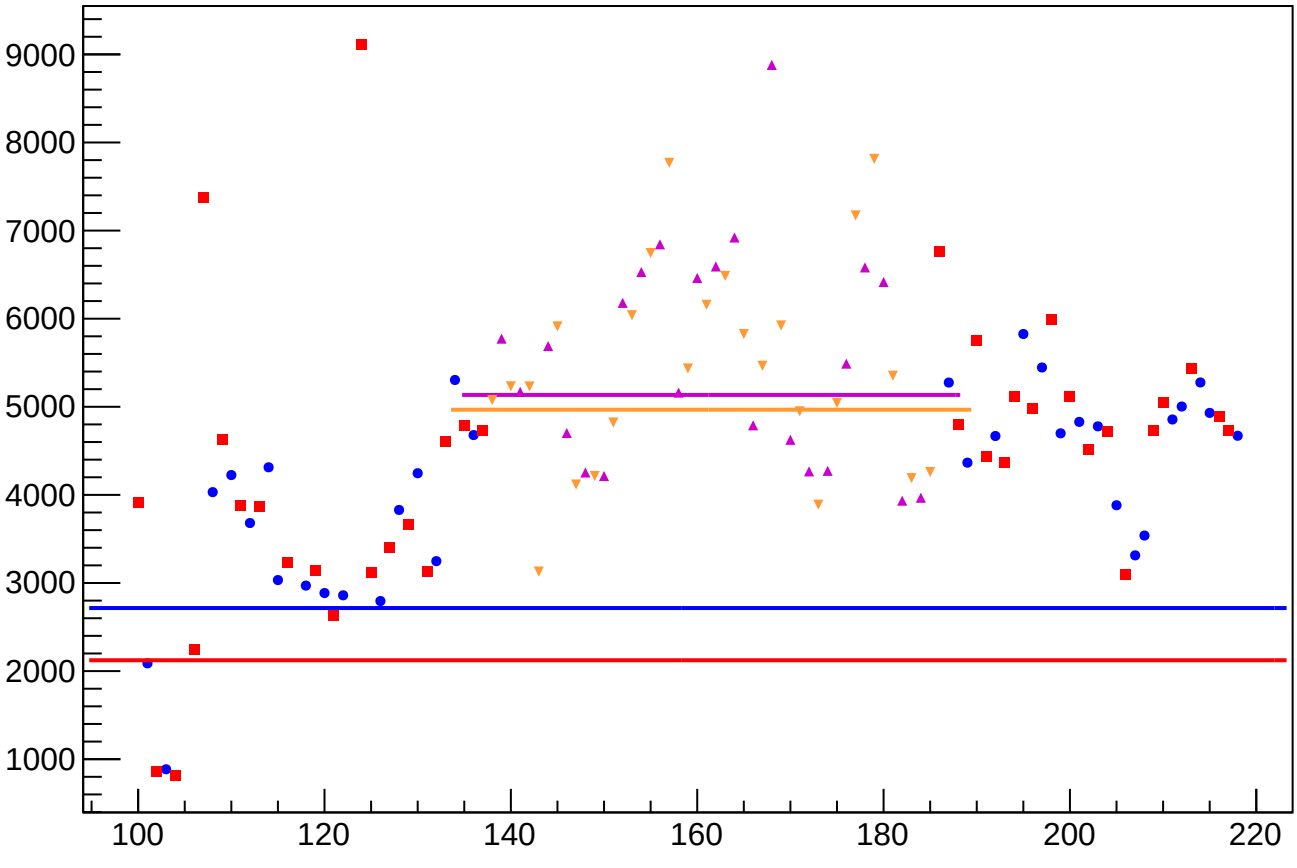
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

Right: 281.351+/-460.458 χ^2/NDF: 92.5/67

In: 151.737+/-618.333 χ^2/NDF:51.0/54

Out: -46.332+/-534.457 χ^2/NDF:88.6/60

All: 38.367+/-404.346 χ^2/NDF: 139.7/115



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: 2123.087+/-0.425 χ^2/NDF: 16223157.2/35

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

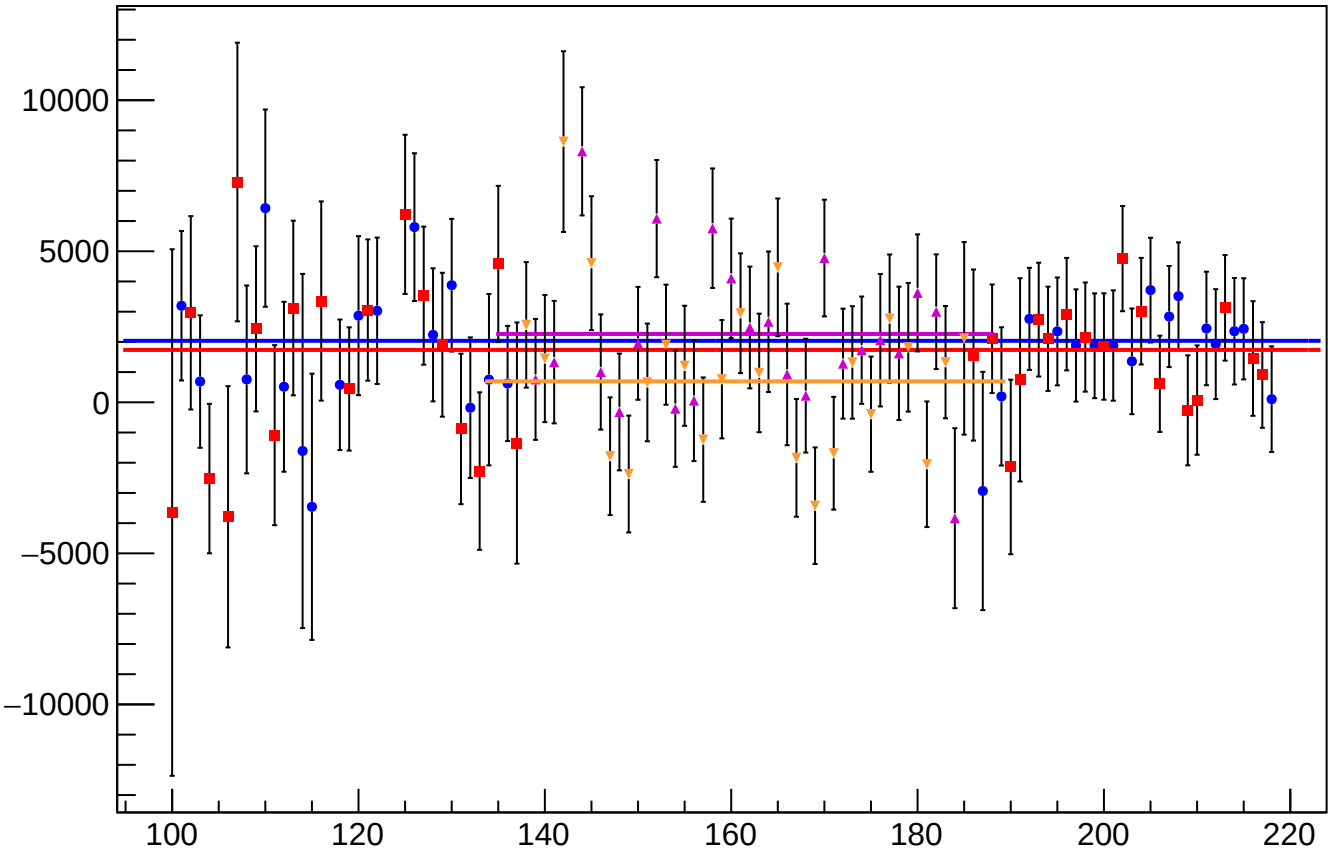
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 2368.479+/-0.326 χ^2/NDF: 27777037.2/67

In: 3328.232+/-0.437 χ^2/NDF:18024938.8/54

Out: 2722.155+/-0.378 χ^2/NDF:27556585.3/60

All: 2981.328+/-0.286 χ^2/NDF: 46681346.4/1



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: 1734.333+/-376.613 χ^2/NDF: 27.2/34

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

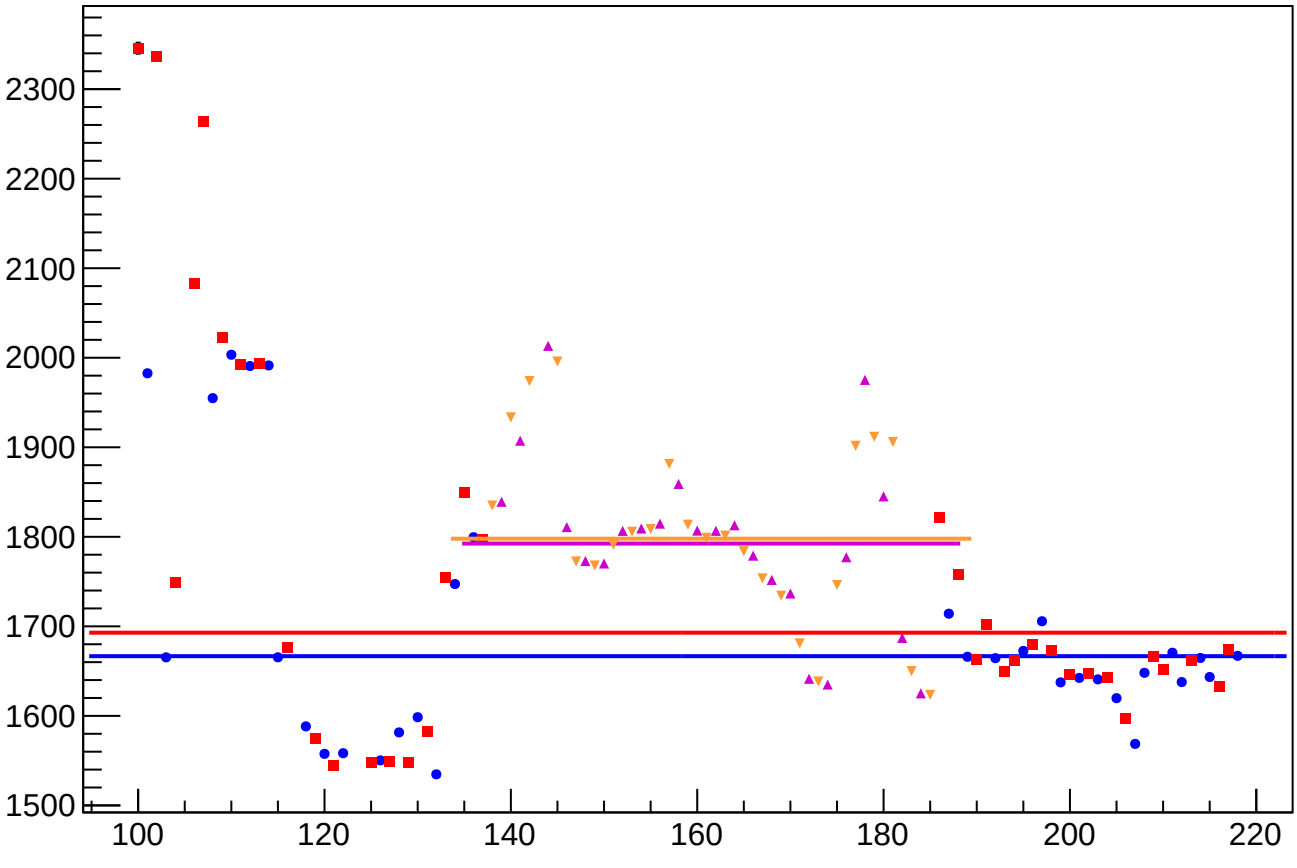
Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

Right: 1886.945+/-264.581 χ^2/NDF: 43.7/66

In: 2135.217+/-278.143 χ^2/NDF:46.7/54

Out: 1268.408+/-279.812 χ^2/NDF:62.8/58

All: 1704.405+/-197.264 χ^2/NDF: 114.4/113



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: 1692.920+/-0.266 χ^2/NDF: 289144.9/34

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

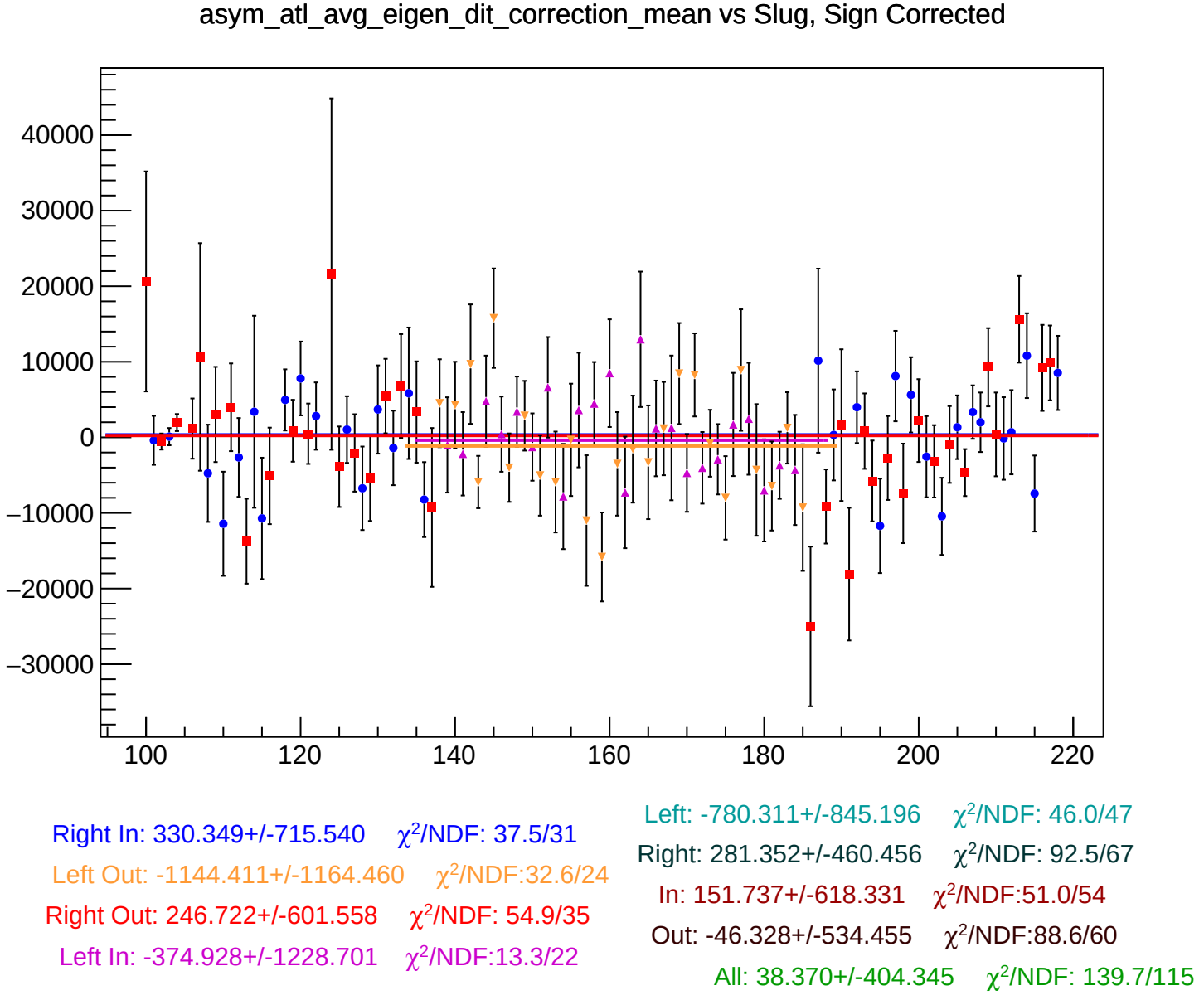
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

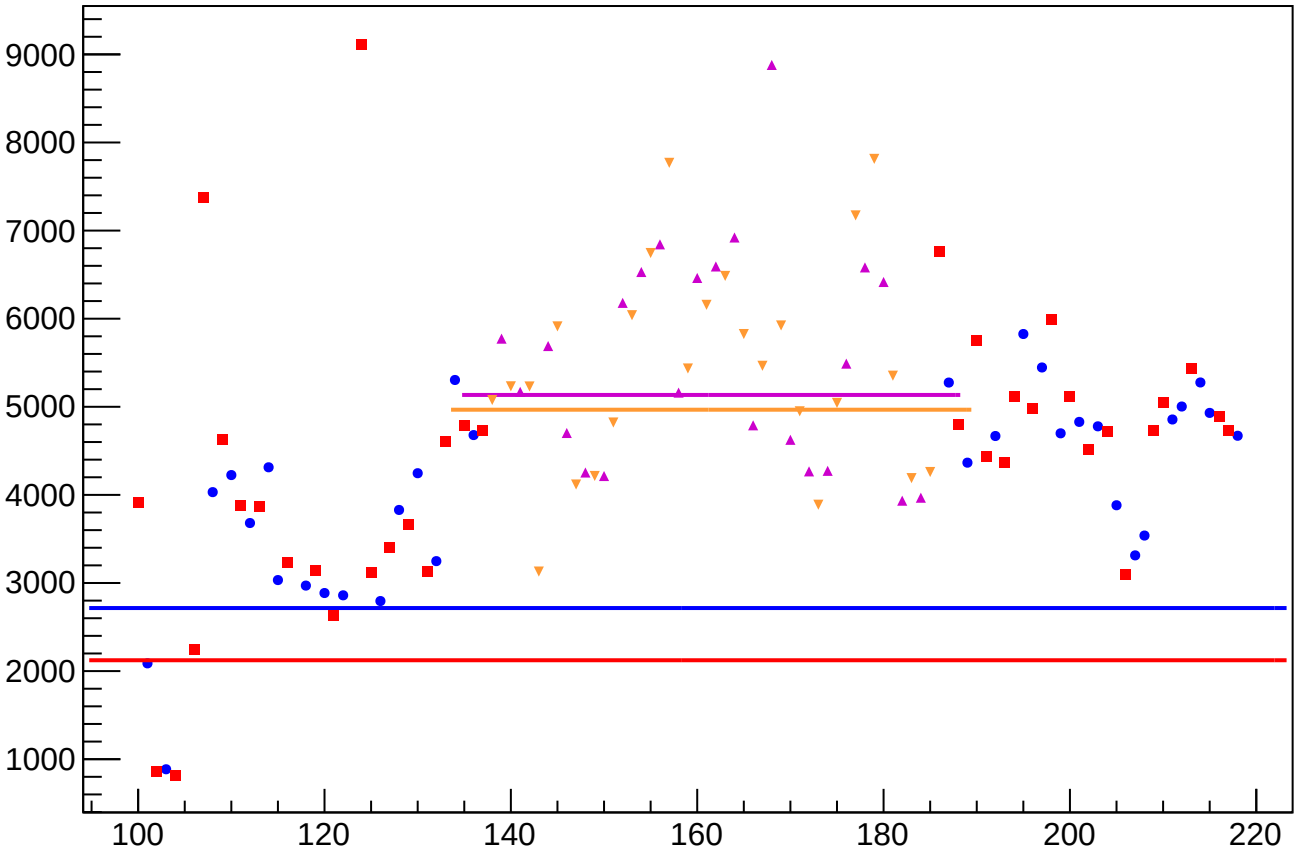
Right: 1679.643+/-0.187 χ^2/NDF: 447080.0/66

In: 1722.059+/-0.197 χ^2/NDF:346663.5/54

Out: 1739.917+/-0.198 χ^2/NDF:456829.4/58

All: 1730.938+/-0.139 χ^2/NDF: 807592.1/113


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 330.349+/-715.540 χ²/NDF: 37.5/31
Left Out: -1144.411+/-1164.460 χ²/NDF:32.6/24
Right Out: 246.722+/-601.558 χ²/NDF: 54.9/35
Left In: -374.928+/-1228.701 χ²/NDF:13.3/22
Left: -780.311+/-845.196 χ²/NDF: 46.0/47
Right: 281.352+/-460.456 χ²/NDF: 92.5/67
In: 151.737+/-618.331 χ²/NDF:51.0/54
Out: -46.328+/-534.455 χ²/NDF:88.6/60
All: 38.370+/-404.345 χ²/NDF: 139.7/115



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: 2123.069+/-0.425 χ^2/NDF: 16223317.8/35

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

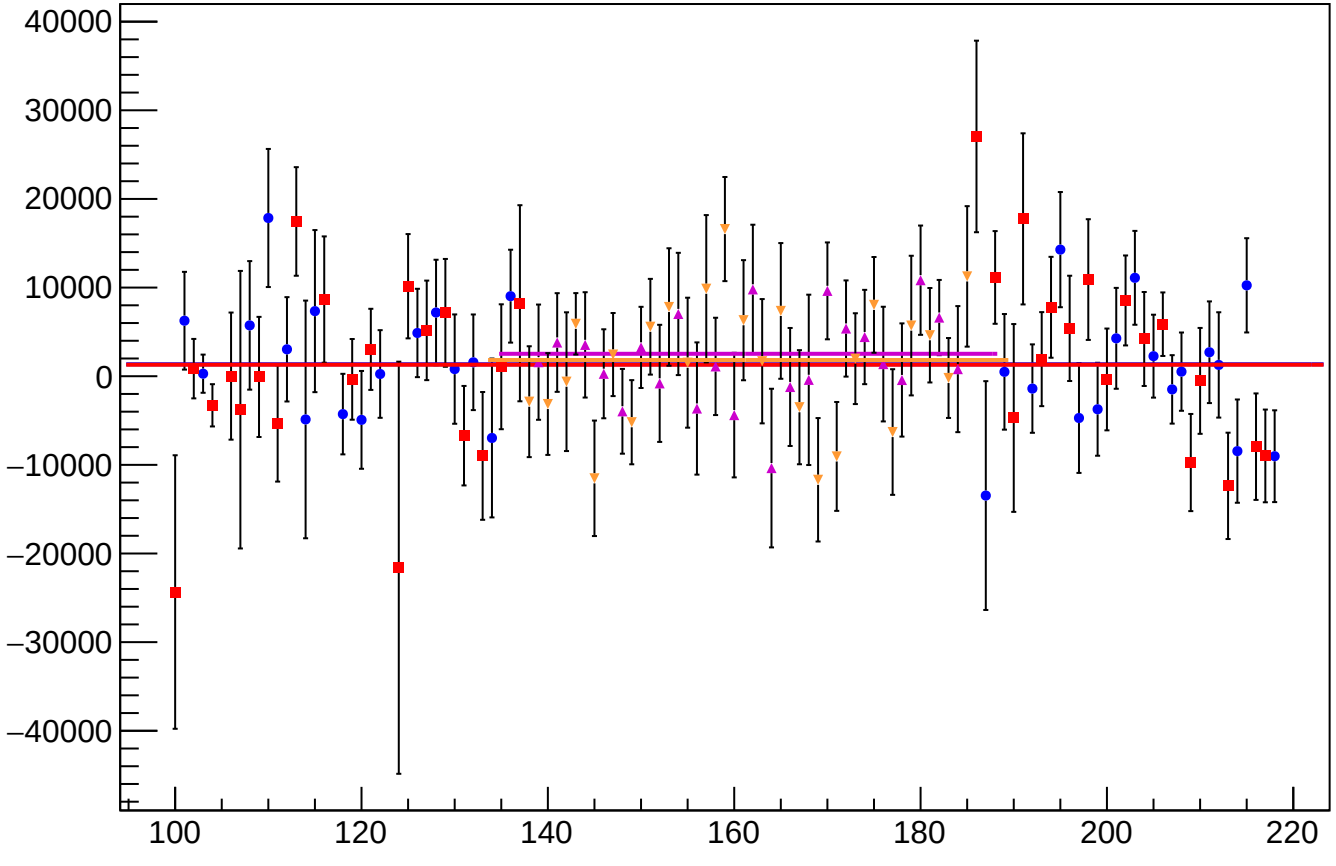
Right: 2368.461+/-0.326 χ^2/NDF: 27777368.1/67

In: 3328.216+/-0.437 χ^2/NDF:18025220.8/54

Out: 2722.135+/-0.378 χ^2/NDF:27556922.5/60

All: 2981.309+/-0.286 χ^2/NDF: 46681987.2/1

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: 1297.456+/-926.127 χ^2/NDF: 60.9/35

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

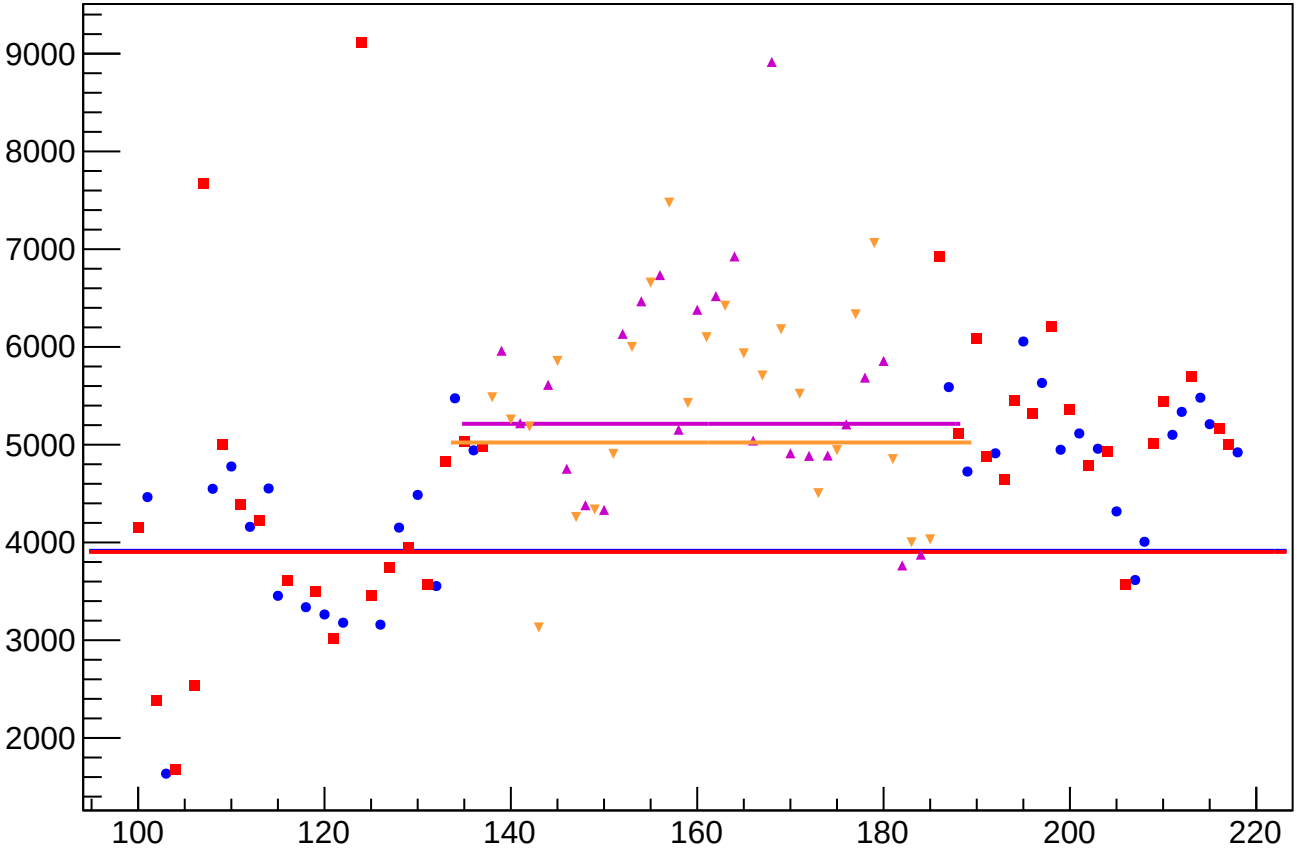
Right: 1321.940+/-653.178 χ^2/NDF: 96.4/67

In: 1766.202+/-739.984 χ^2/NDF:49.2/54

Out: 1500.604+/-726.754 χ^2/NDF:92.2/60

All: 1631.007+/-518.507 χ^2/NDF: 141.4/115

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: 3903.251+/-0.649 χ^2/NDF: 4567011.9/35

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

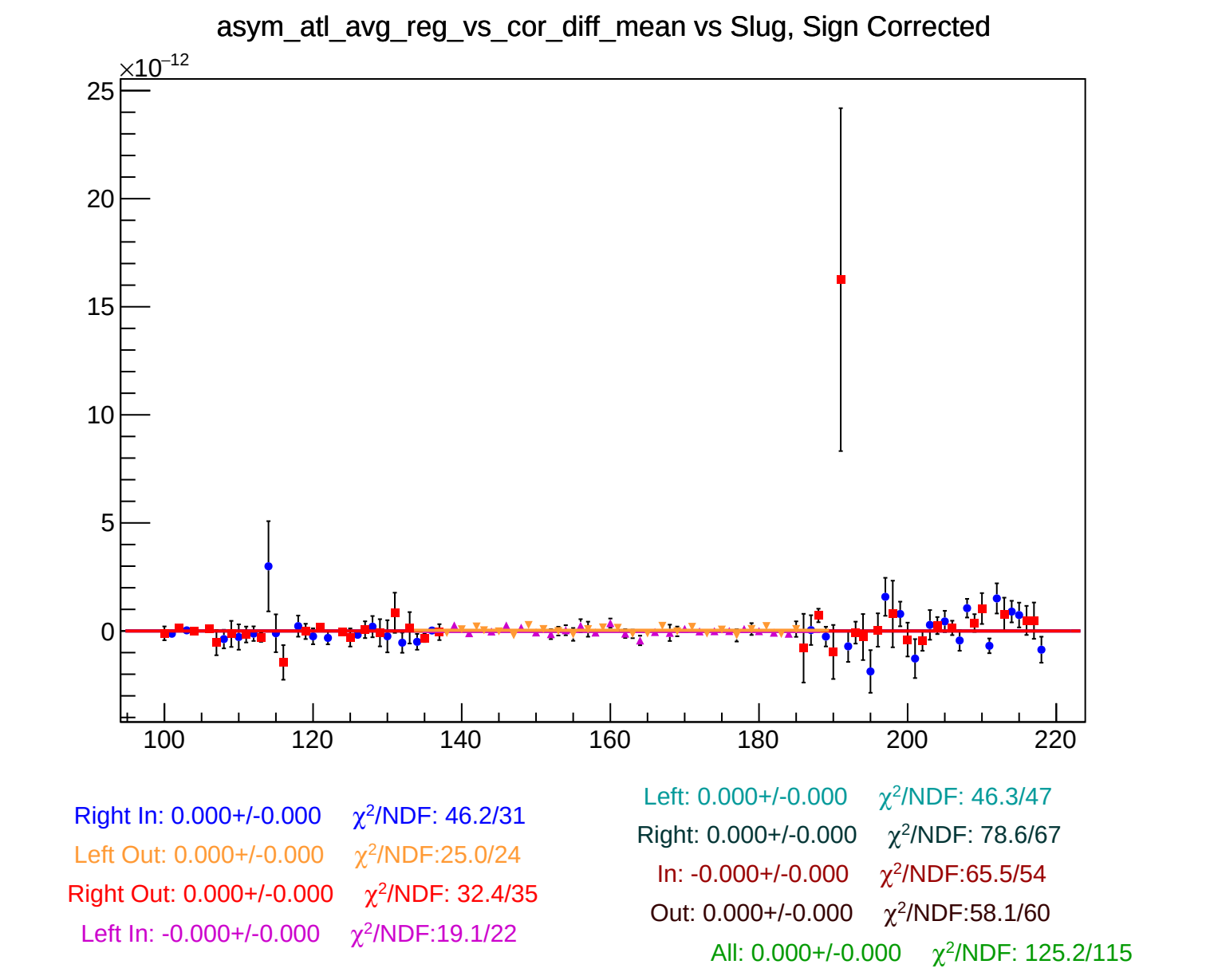
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

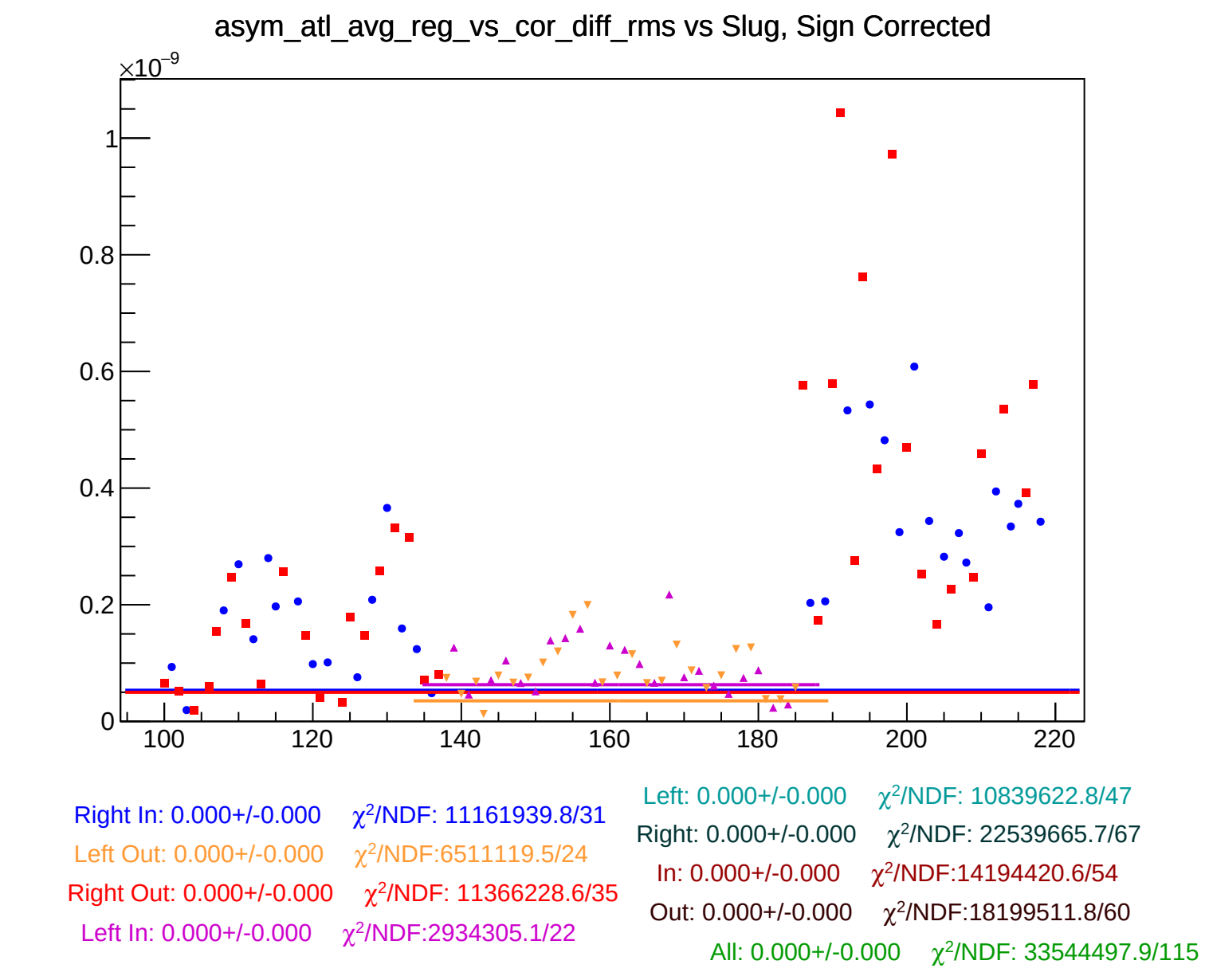
Right: 3908.713+/-0.460 χ^2/NDF: 8525355.6/67

In: 4375.447+/-0.523 χ^2/NDF:6593417.4/54

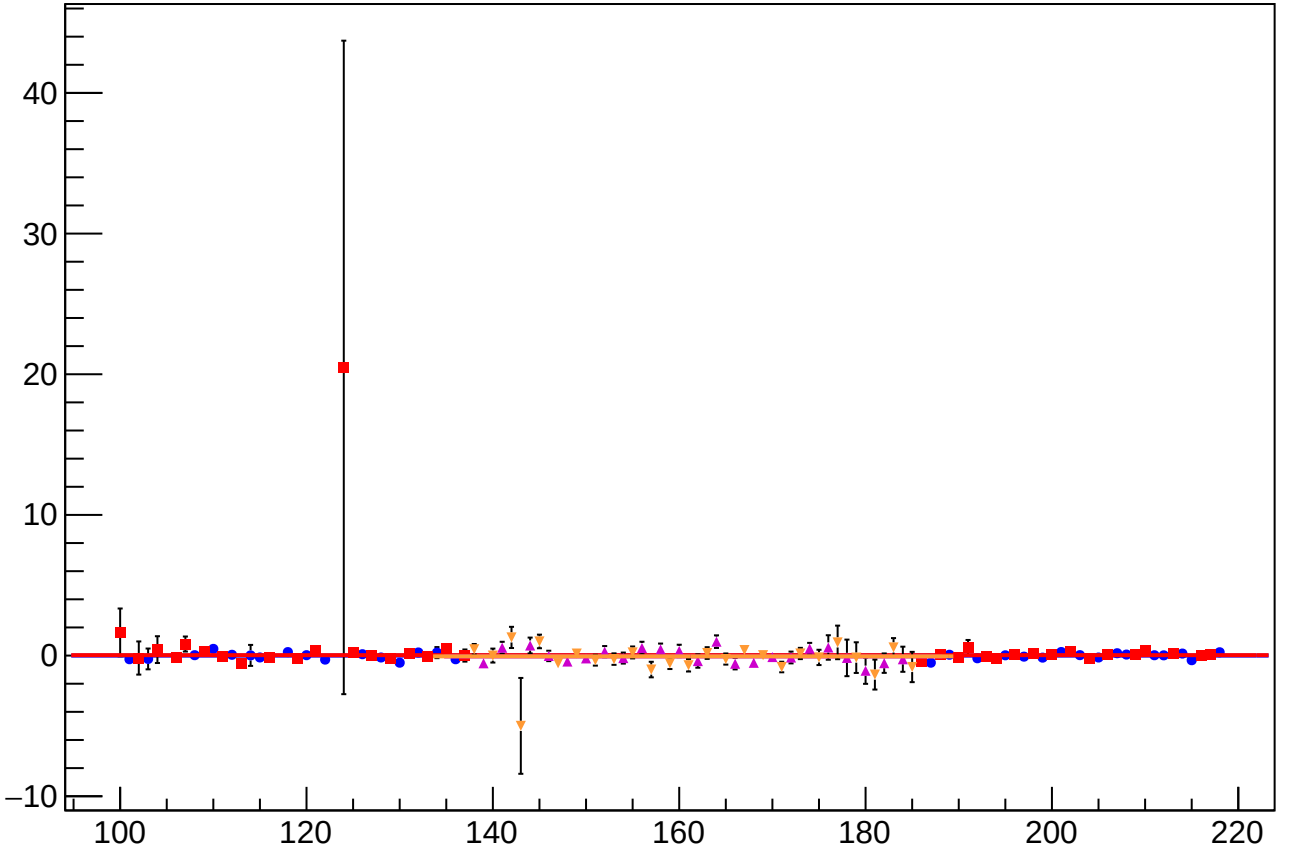
Out: 4328.589+/-0.511 χ^2/NDF:7373306.2/60

All: 4351.468+/-0.366 χ^2/NDF: 13970827.4/1


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 46.2/31
Left Out: 0.000+/-0.000 χ²/NDF:25.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.4/35
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
Left: 0.000+/-0.000 χ²/NDF: 46.3/47
Right: 0.000+/-0.000 χ²/NDF: 78.6/67
In: -0.000+/-0.000 χ²/NDF:65.5/54
Out: 0.000+/-0.000 χ²/NDF:58.1/60
All: 0.000+/-0.000 χ²/NDF: 125.2/115


asym_atl_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 11161939.8/31
Left Out: 0.000+/-0.000 χ²/NDF:6511119.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 11366228.6/35
Left In: 0.000+/-0.000 χ²/NDF:2934305.1/22
Left: 0.000+/-0.000 χ²/NDF: 10839622.8/47
Right: 0.000+/-0.000 χ²/NDF: 22539665.7/67
In: 0.000+/-0.000 χ²/NDF:14194420.6/54
Out: 0.000+/-0.000 χ²/NDF:18199511.8/60
All: 0.000+/-0.000 χ²/NDF: 33544497.9/115

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: 0.030+/-0.031 χ^2/NDF: 36.4/35

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

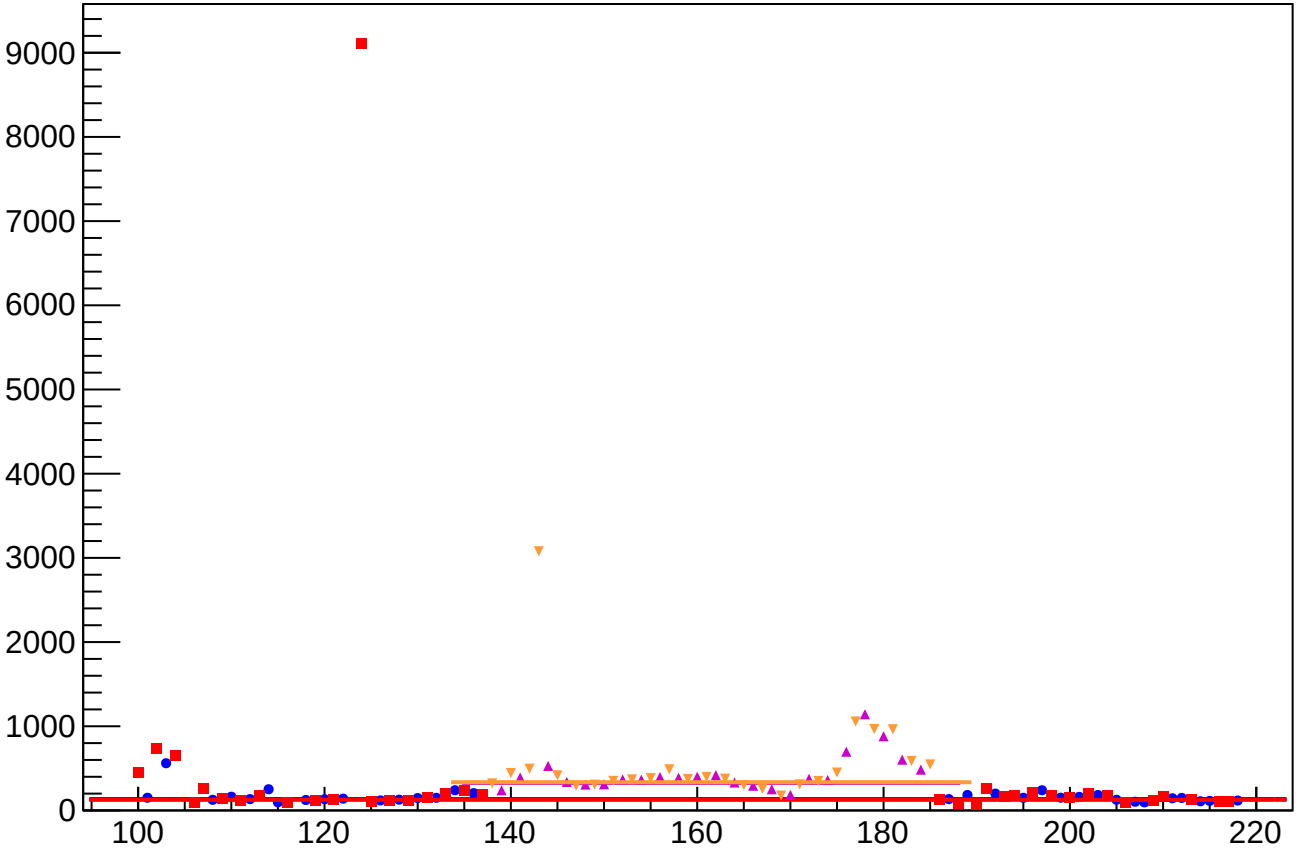
Right: 0.015+/-0.022 χ^2/NDF: 76.2/67

In: -0.009+/-0.030 χ^2/NDF:67.8/54

Out: 0.020+/-0.029 χ^2/NDF:70.4/60

All: 0.006+/-0.021 χ^2/NDF: 138.7/115

asym_atl_avg_dit_vs_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: 126.510+/-0.022 χ^2/NDF: 4404918.1/35

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

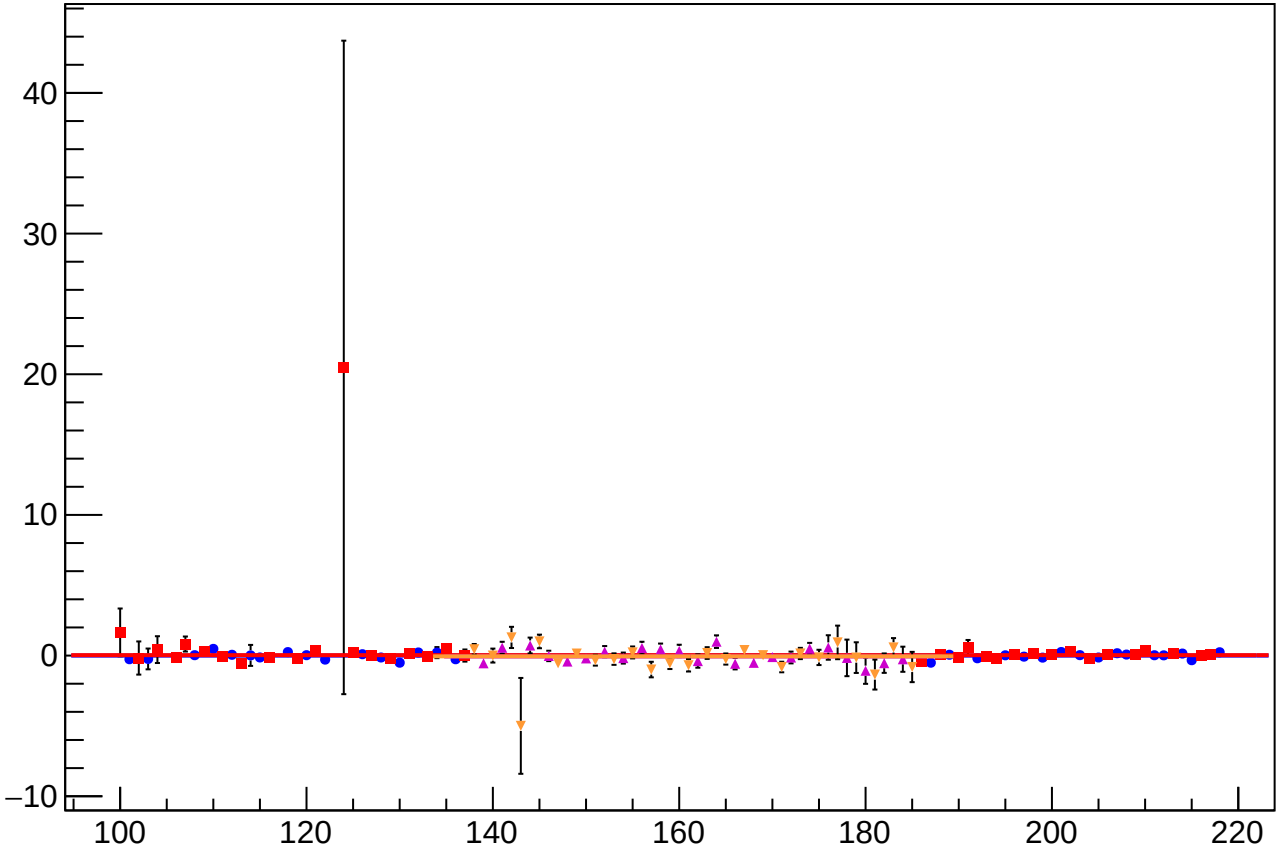
Right: 130.498+/-0.016 χ^2/NDF: 6995462.8/67

In: 160.434+/-0.021 χ^2/NDF:16089384.9/54

Out: 151.535+/-0.021 χ^2/NDF:20961431.3/60

All: 155.854+/-0.015 χ^2/NDF: 37140330.3/1

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: 0.030+/-0.031 χ^2/NDF: 36.4/35

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

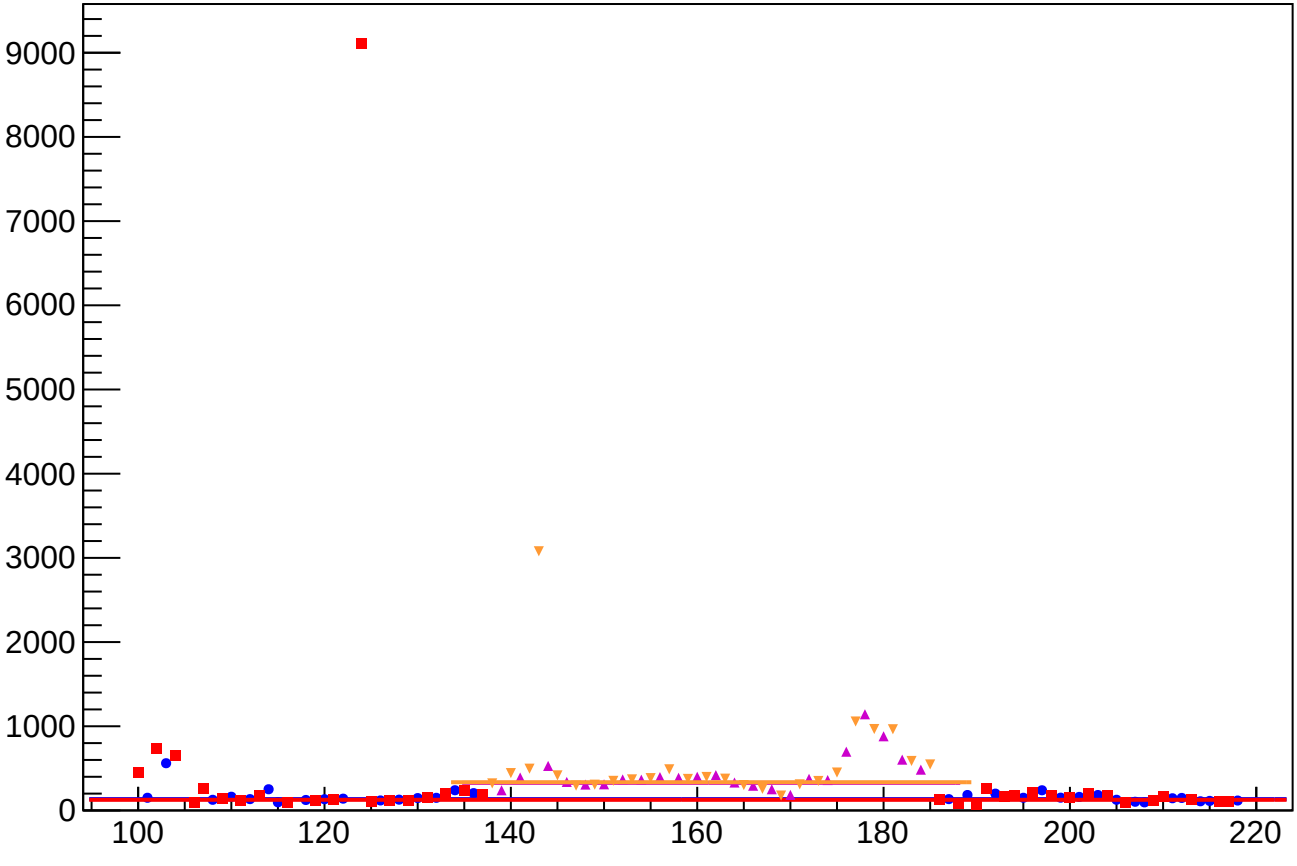
Right: 0.015+/-0.022 χ^2/NDF: 76.2/67

In: -0.009+/-0.030 χ^2/NDF:67.8/54

Out: 0.020+/-0.029 χ^2/NDF:70.4/60

All: 0.006+/-0.021 χ^2/NDF: 138.7/115

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: 126.510+/-0.022 χ^2/NDF: 4404918.1/35

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

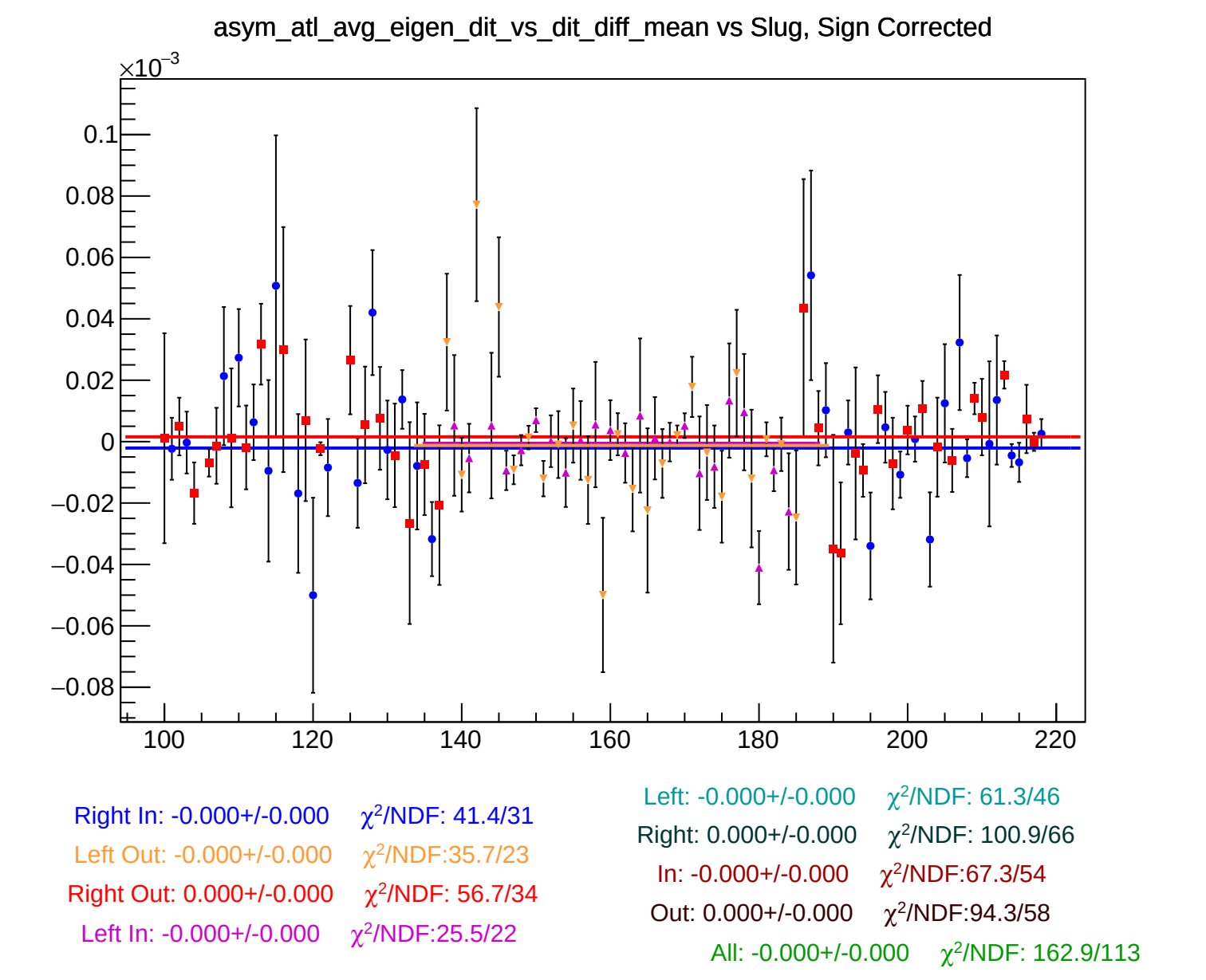
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

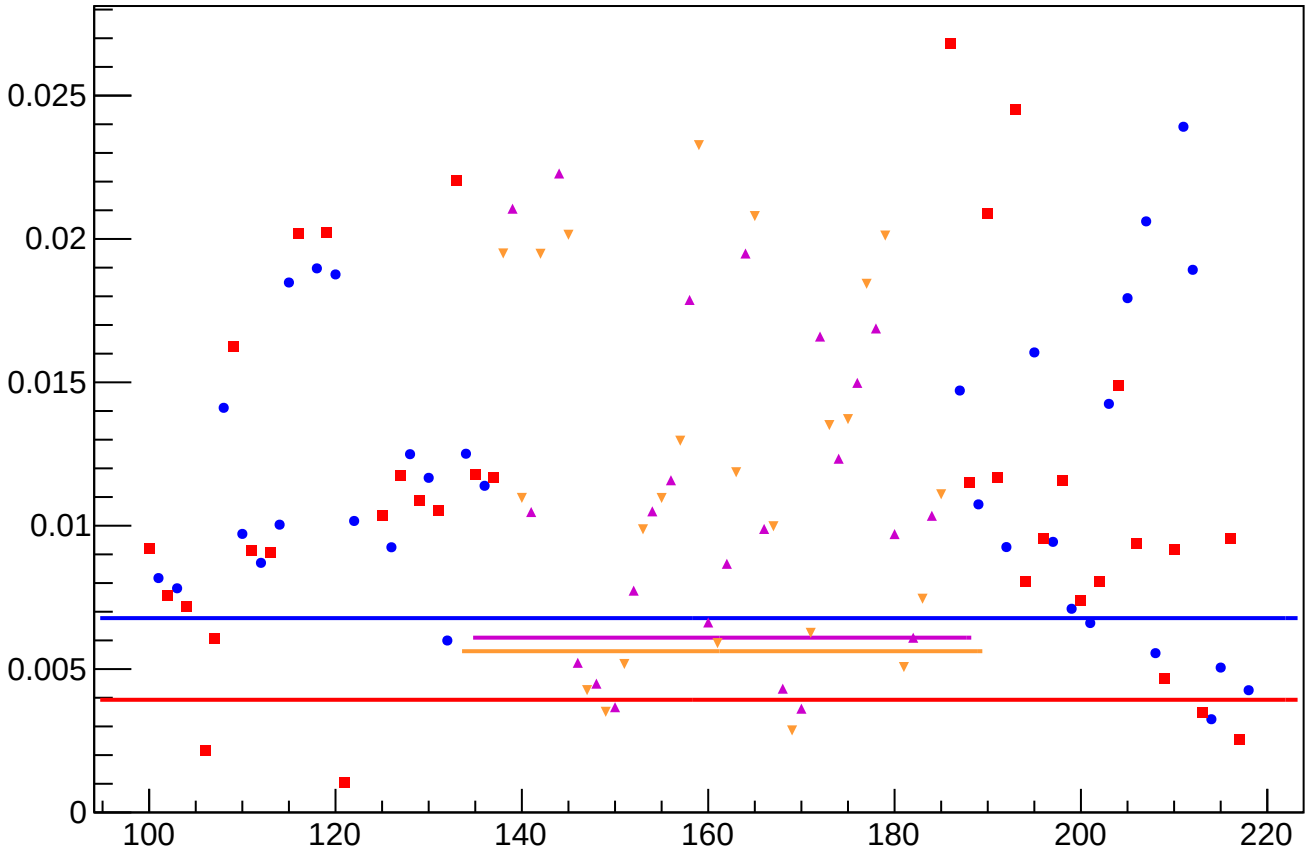
Right: 130.498+/-0.016 χ^2/NDF: 6995462.8/67

In: 160.434+/-0.021 χ^2/NDF:16089384.9/54

Out: 151.535+/-0.021 χ^2/NDF:20961431.3/60

All: 155.854+/-0.015 χ^2/NDF: 37140330.3/11


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: 56.7/34
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: 100.9/66
In: -0.000+/-0.000 χ²/NDF:67.3/54
Out: 0.000+/-0.000 χ²/NDF:94.3/58
All: -0.000+/-0.000 χ²/NDF: 162.9/113



Right In: 0.007+/-0.000 χ^2/NDF: 9212060.5/31

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 17693892.2/34

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

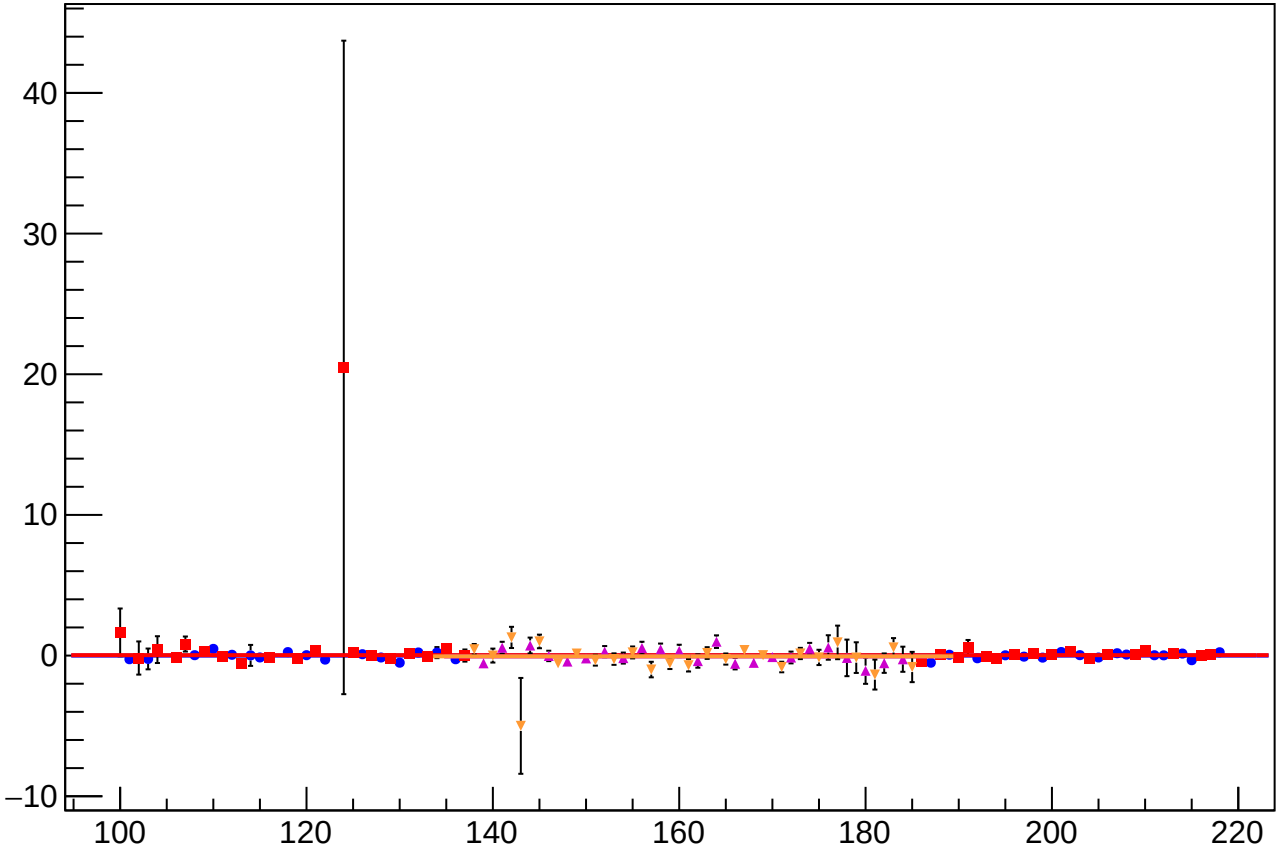
Right: 0.005+/-0.000 χ^2/NDF: 30292759.9/66

In: 0.006+/-0.000 χ^2/NDF:18160935.4/54

Out: 0.005+/-0.000 χ^2/NDF:30247003.2/58

All: 0.005+/-0.000 χ^2/NDF: 51133501.1/113

asym_atl_avg_eigen_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: 0.030+/-0.031 χ^2/NDF: 36.4/35

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

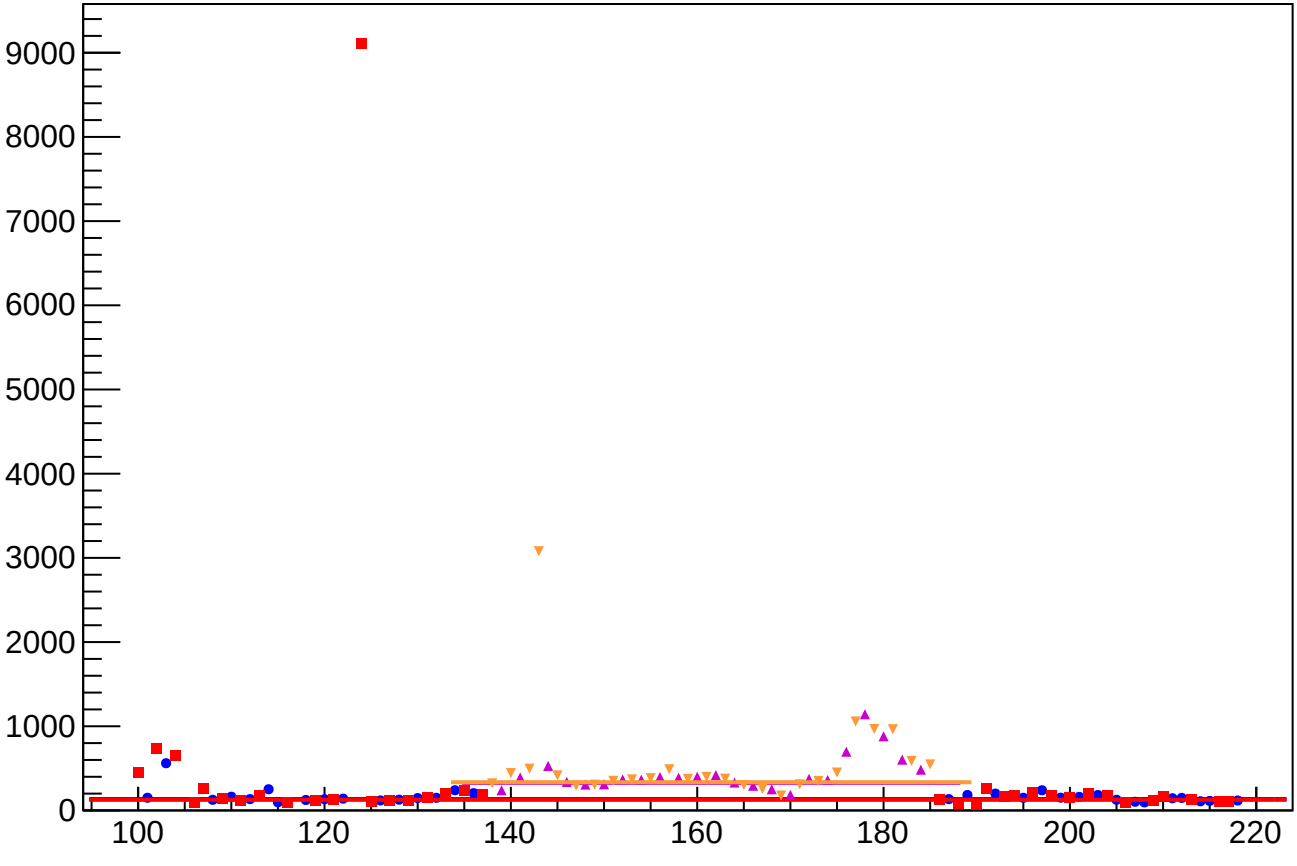
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: 0.015+/-0.022 χ^2/NDF: 76.2/67

In: -0.009+/-0.030 χ^2/NDF:67.8/54

Out: 0.020+/-0.029 χ^2/NDF:70.4/60

All: 0.006+/-0.021 χ^2/NDF: 138.7/115



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: 126.509+/-0.022 χ^2/NDF: 4405003.6/35

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

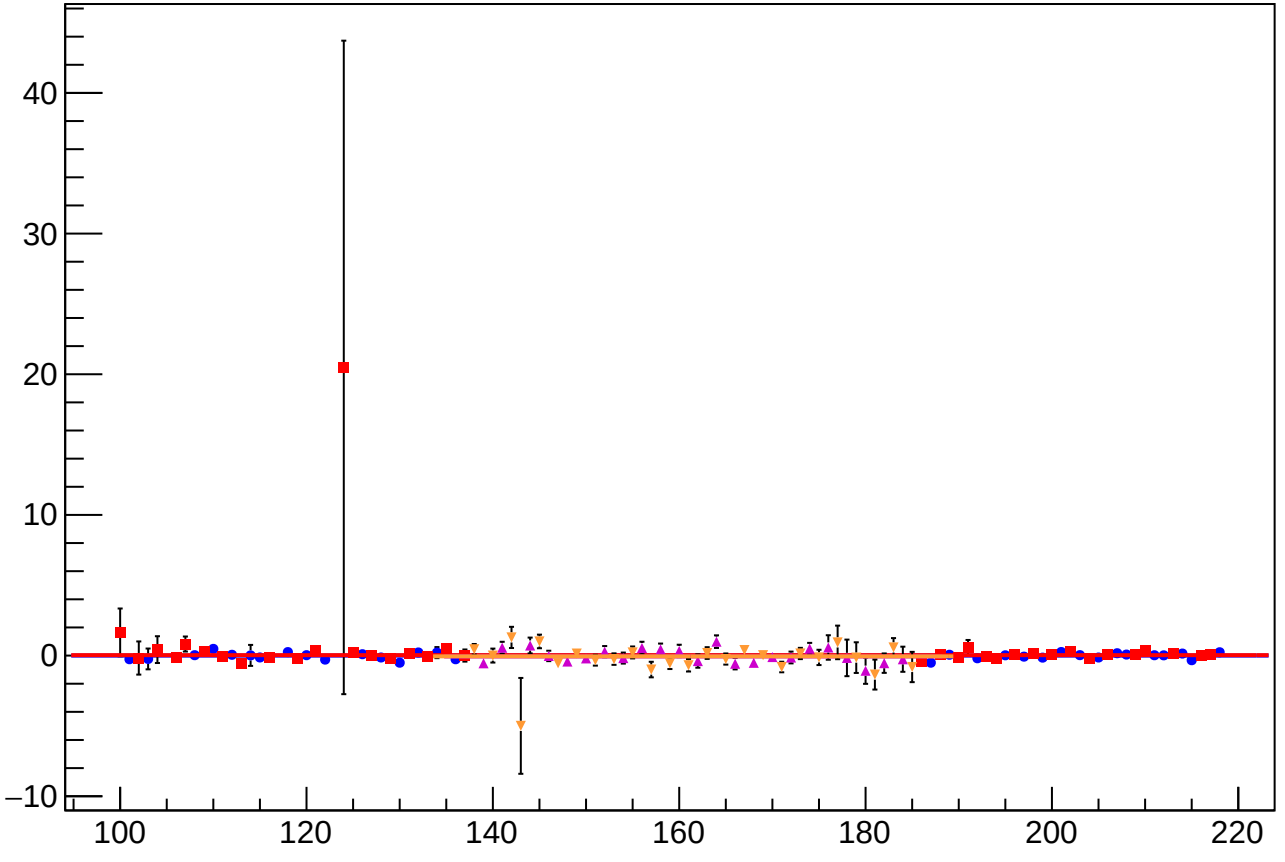
Right: 130.496+/-0.016 χ^2/NDF: 6995730.1/67

In: 160.431+/-0.021 χ^2/NDF:16089994.9/54

Out: 151.533+/-0.021 χ^2/NDF:20961864.4/60

All: 155.851+/-0.015 χ^2/NDF: 37141358.5/11

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: 0.030+/-0.031 χ^2/NDF: 36.4/35

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

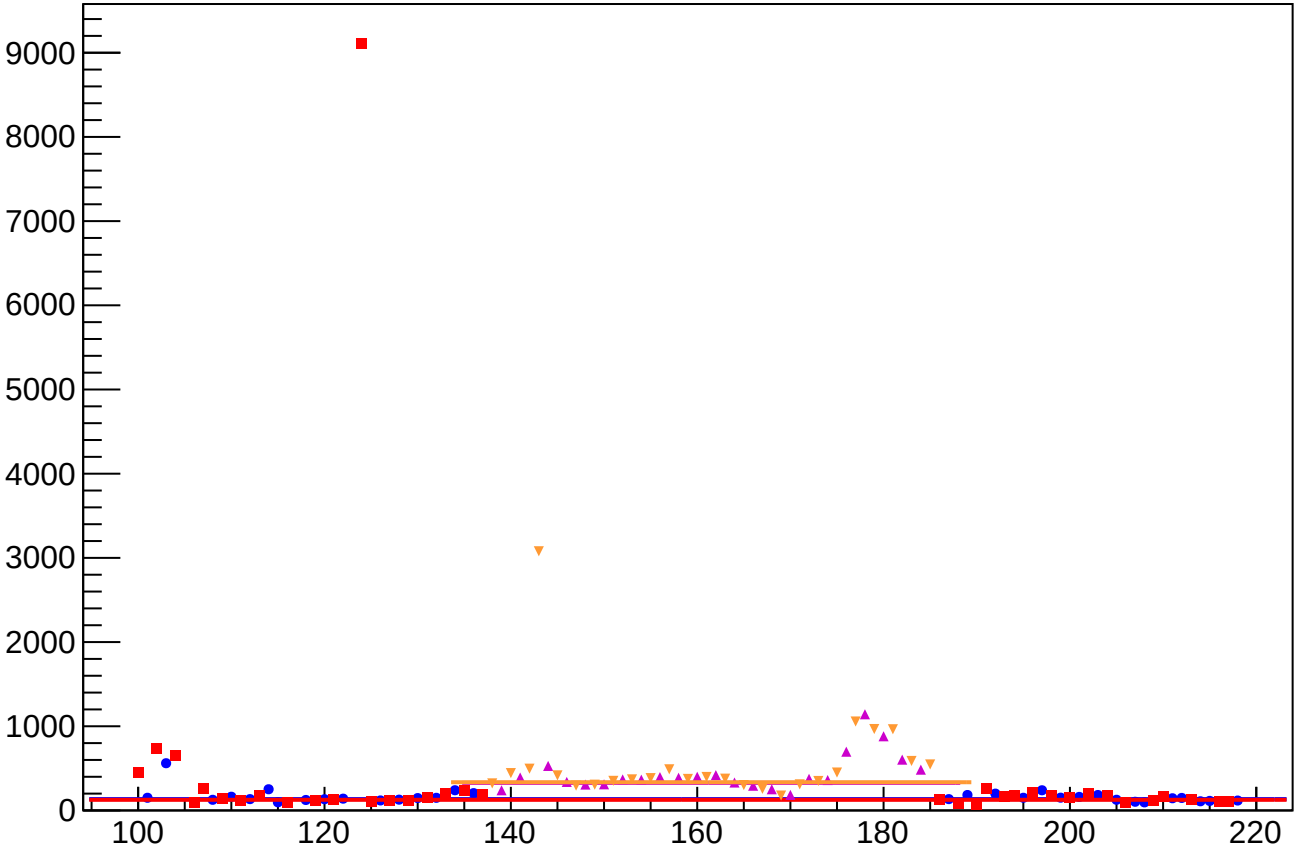
Right: 0.015+/-0.022 χ^2/NDF: 76.2/67

In: -0.009+/-0.030 χ^2/NDF:67.8/54

Out: 0.020+/-0.029 χ^2/NDF:70.4/60

All: 0.006+/-0.021 χ^2/NDF: 138.7/115

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 126.509+/-0.022 χ^2/NDF: 4405003.6/35

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

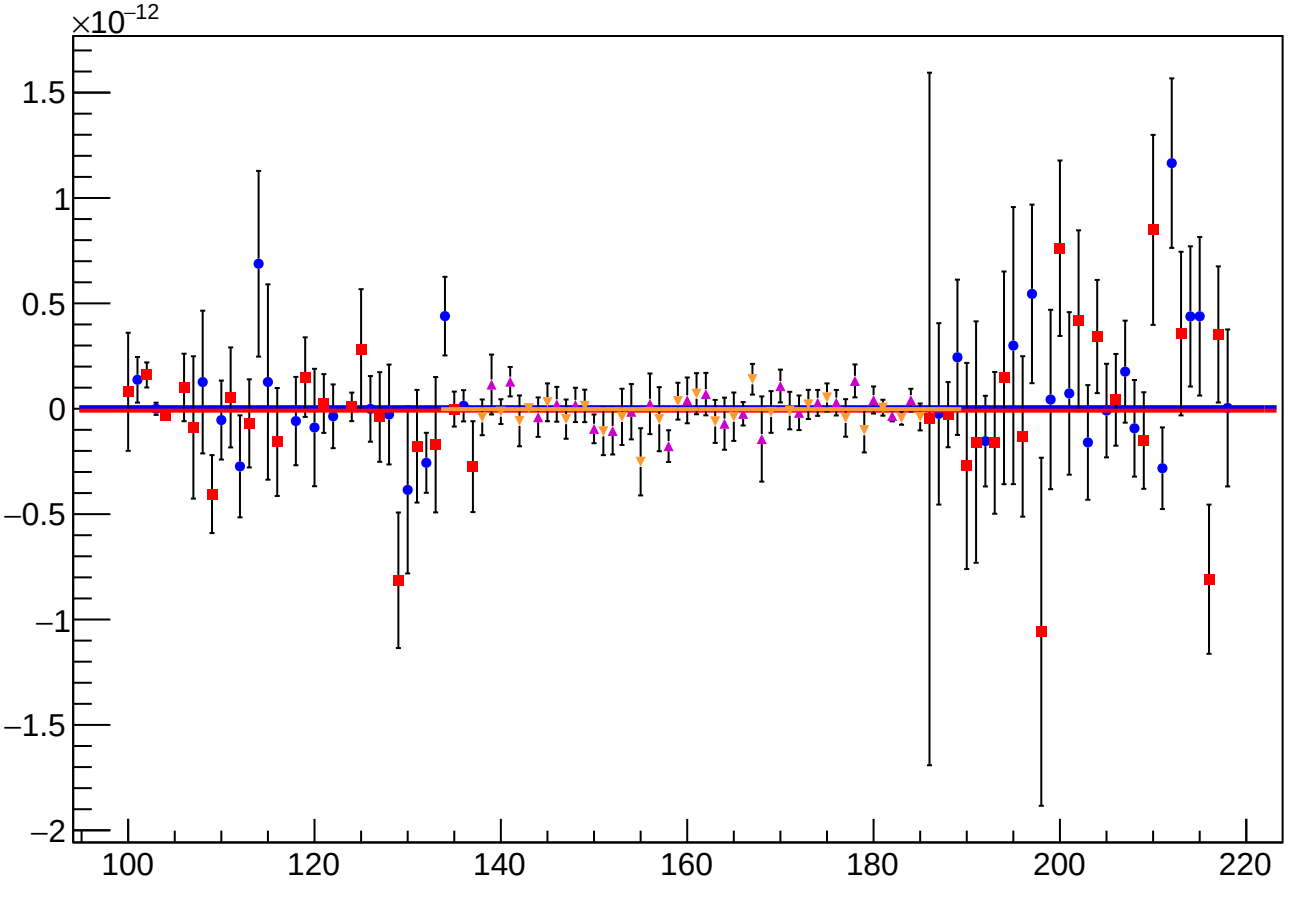
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 130.496+/-0.016 χ^2/NDF: 6995730.1/67

In: 160.431+/-0.021 χ^2/NDF:16089994.9/54

Out: 151.533+/-0.021 χ^2/NDF:20961864.4/60

All: 155.851+/-0.015 χ^2/NDF: 37141358.5/1



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: 45.0/35

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

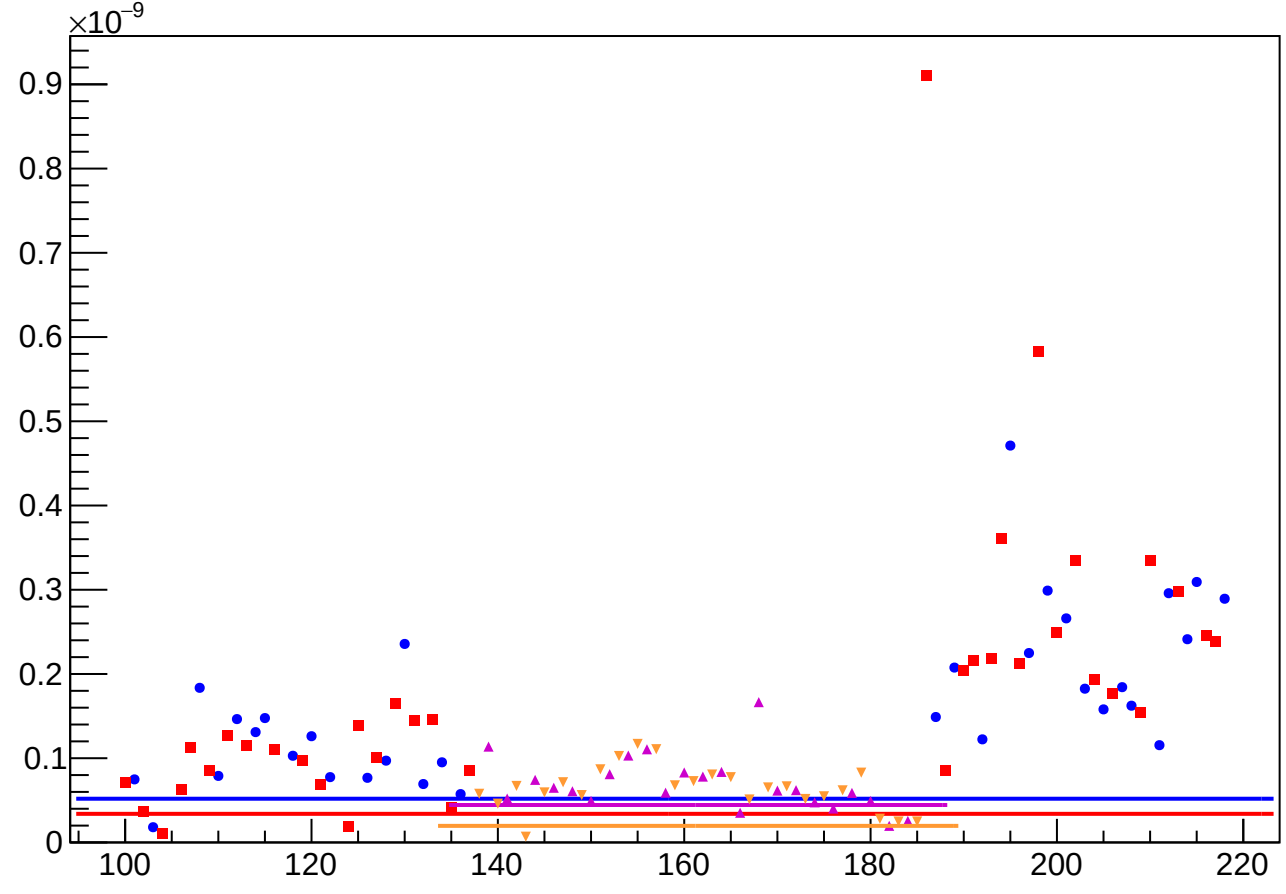
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 78.3/67

In: 0.000+/-0.000 χ^2/NDF:55.6/54

Out: -0.000+/-0.000 χ^2/NDF:58.7/60

All: -0.000+/-0.000 χ^2/NDF: 114.4/115



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: 16139225.1/35

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

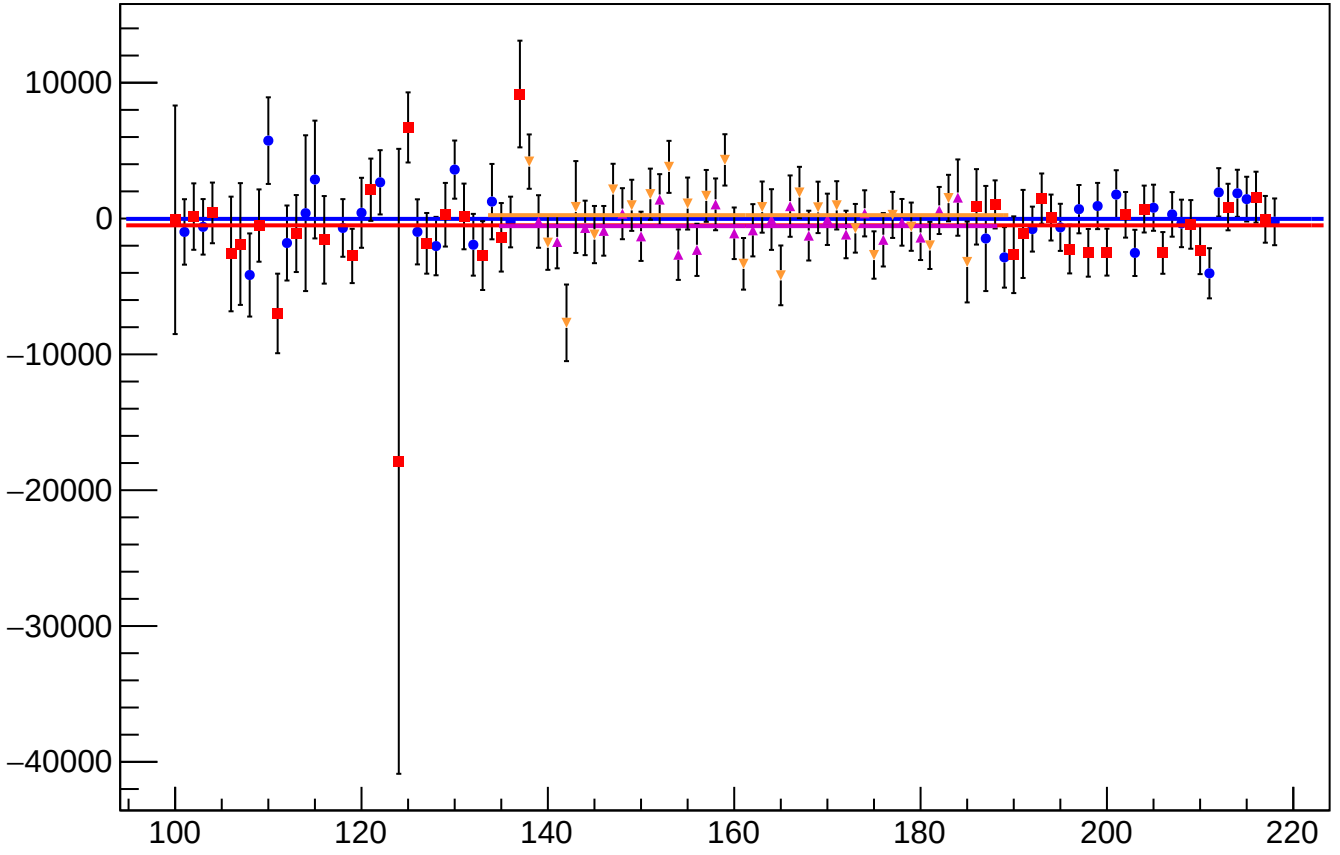
Right: 0.000+/-0.000 χ^2/NDF: 29981898.7/67

In: 0.000+/-0.000 χ^2/NDF:19154246.1/54

Out: 0.000+/-0.000 χ^2/NDF:32060689.4/60

All: 0.000+/-0.000 χ^2/NDF: 57093782.8/115

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: -501.126+/-365.604 χ^2/NDF: 36.0/35

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

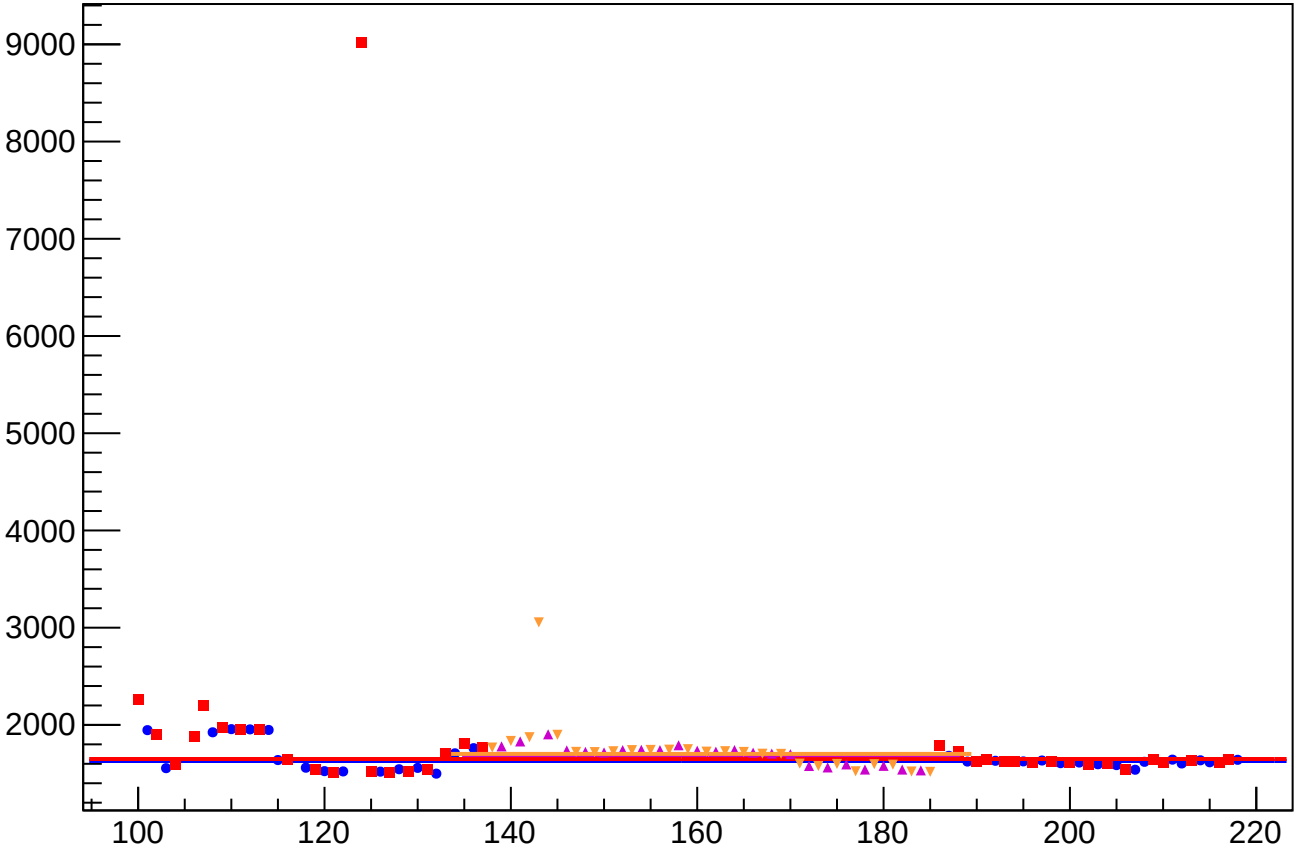
Right: -261.536+/-257.673 χ^2/NDF: 63.2/67

In: -270.070+/-267.399 χ^2/NDF:34.9/54

Out: -149.492+/-266.353 χ^2/NDF:77.5/60

All: -209.545+/-188.709 χ^2/NDF: 112.5/115

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: 1649.370+/-0.258 χ^2/NDF: 423864.9/35

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

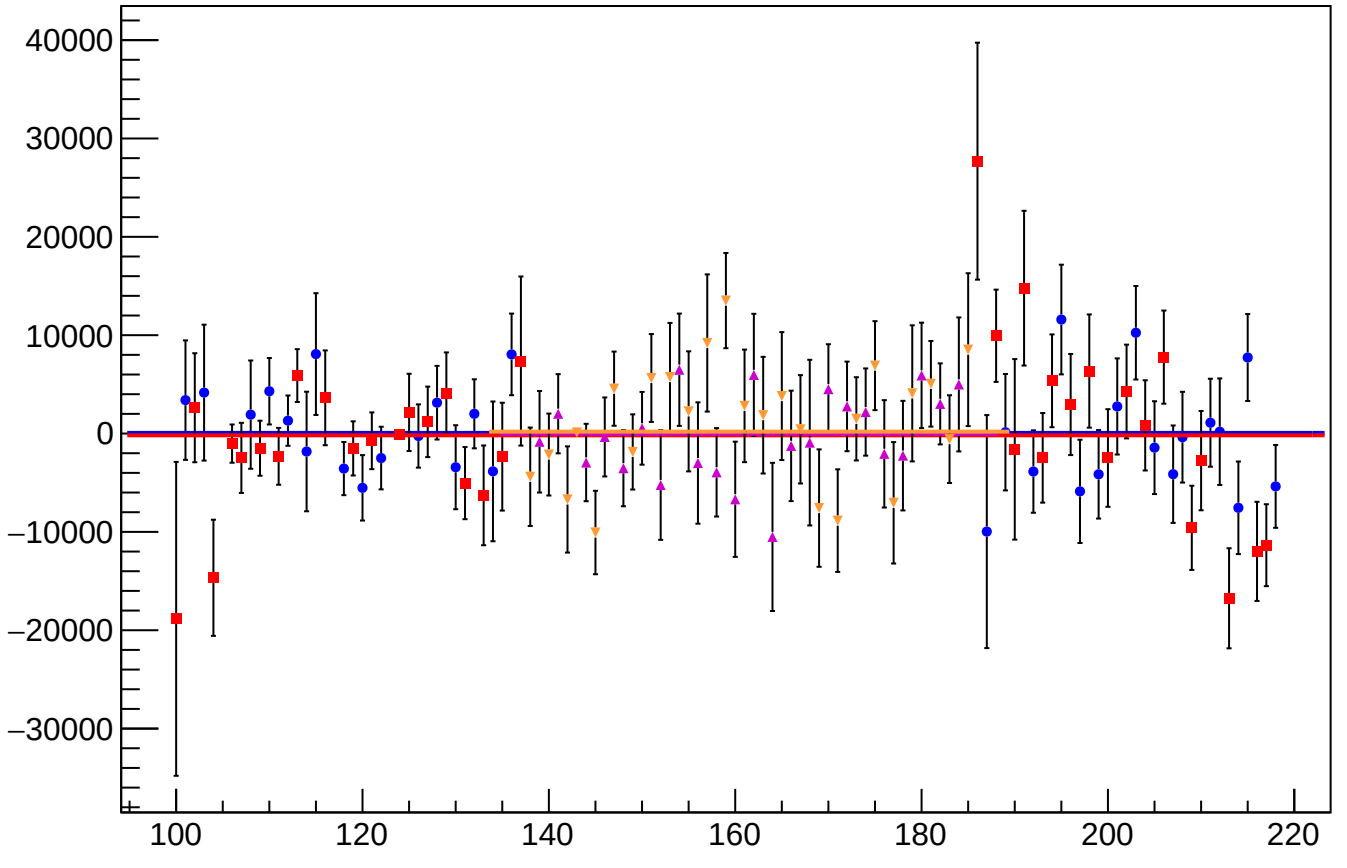
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1639.029+/-0.182 χ^2/NDF: 584968.7/67

In: 1656.486+/-0.189 χ^2/NDF:305615.7/54

Out: 1673.831+/-0.188 χ^2/NDF:895412.5/60

All: 1665.199+/-0.133 χ^2/NDF: 1205255.4/11



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: -180.812+/-313.258 χ^2/NDF: 70.1/35

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

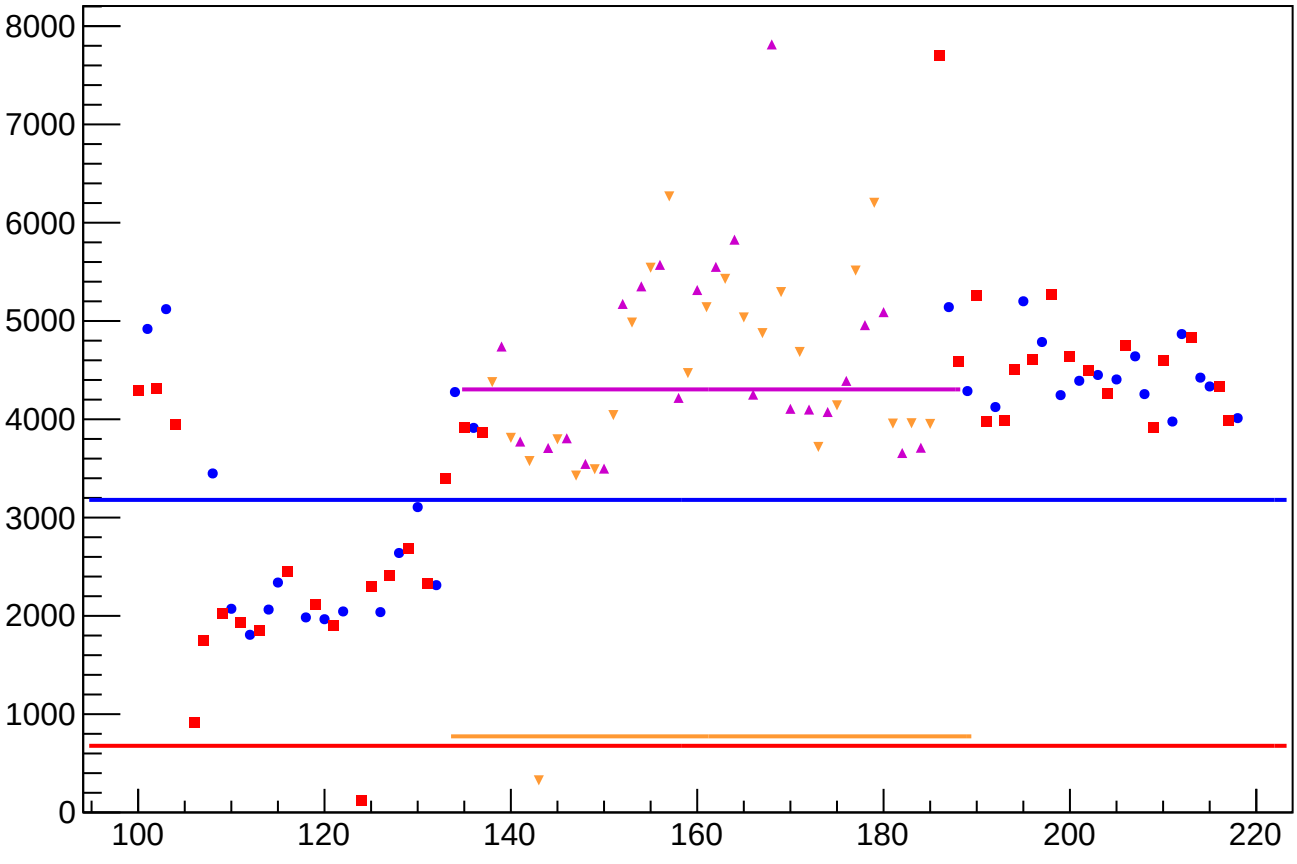
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: -144.948+/-289.409 χ^2/NDF: 106.6/67

In: 31.366+/-608.621 χ^2/NDF:49.7/54

Out: -10.655+/-231.349 χ^2/NDF:104.7/60

All: -5.350+/-216.252 χ^2/NDF: 154.4/115



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: 677.999+/-0.222 χ^2/NDF: 31323890.0/35

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

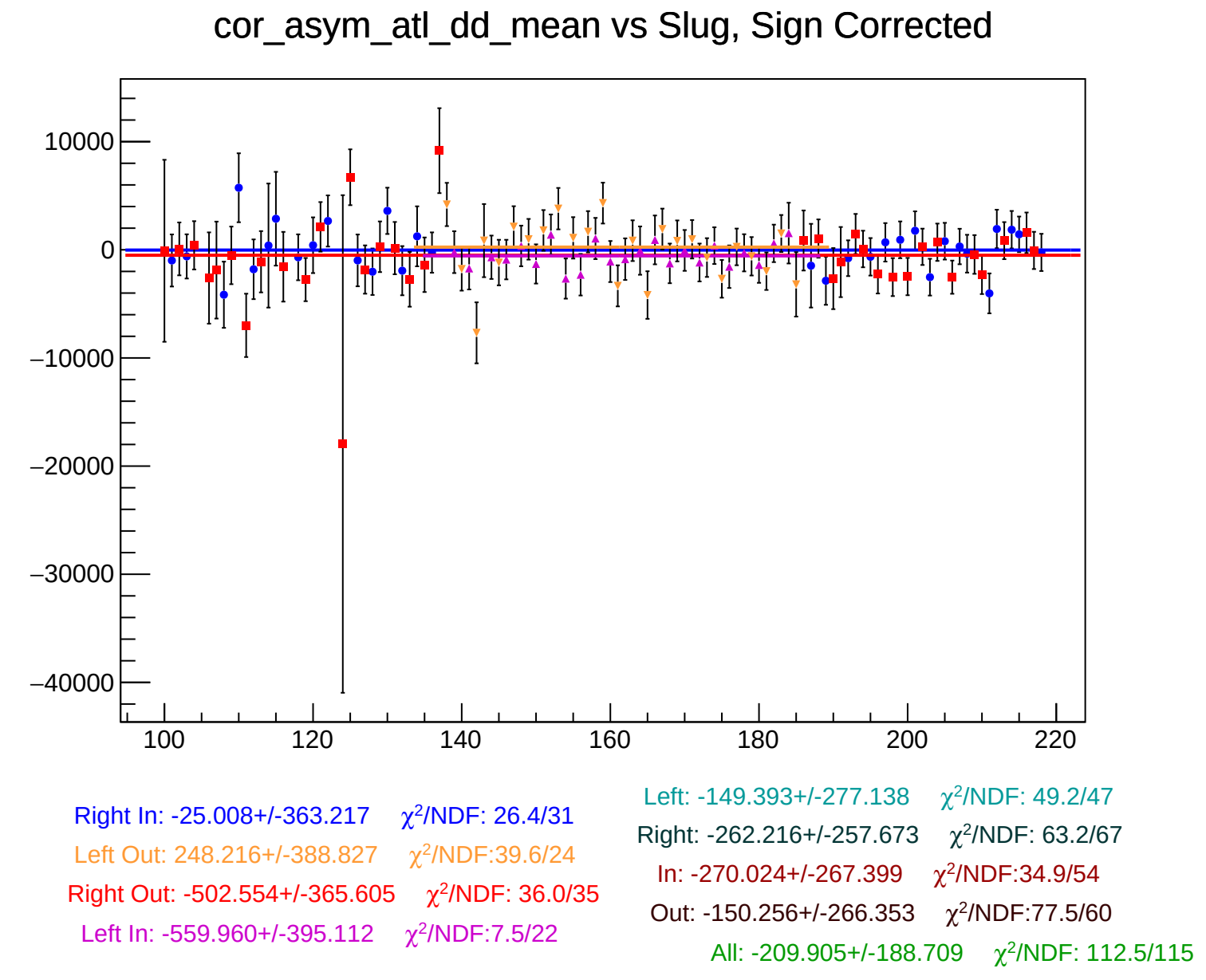
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 1044.454+/-0.205 χ^2/NDF: 54754576.8/67

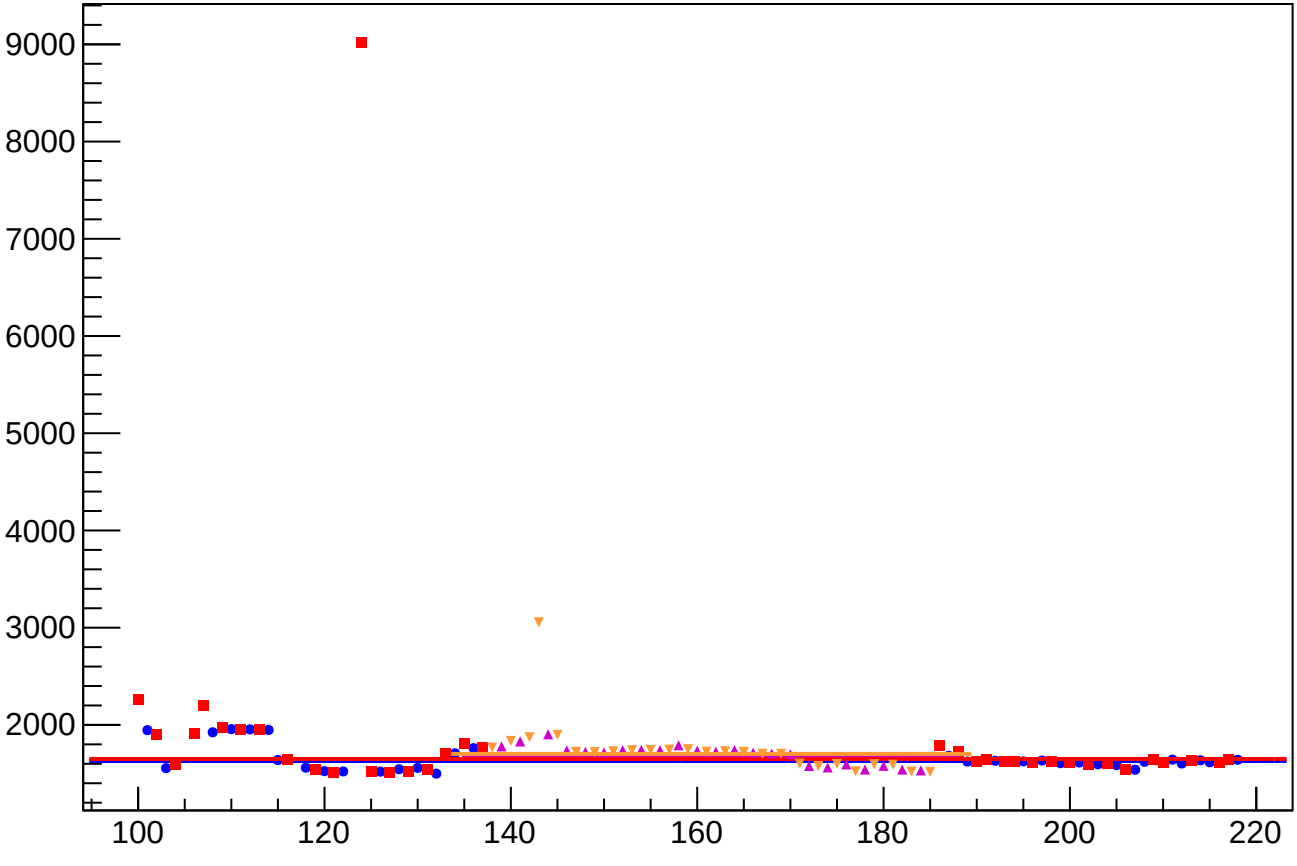
In: 3575.875+/-0.430 χ^2/NDF:7517661.1/54

Out: 721.745+/-0.164 χ^2/NDF:59495275.9/60

All: 1082.076+/-0.153 χ^2/NDF: 105443057.8


cor_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -25.008+/-363.217 χ²/NDF: 26.4/31
Left Out: 248.216+/-388.827 χ²/NDF:39.6/24
Right Out: -502.554+/-365.605 χ²/NDF: 36.0/35
Left In: -559.960+/-395.112 χ²/NDF:7.5/22
Left: -149.393+/-277.138 χ²/NDF: 49.2/47
Right: -262.216+/-257.673 χ²/NDF: 63.2/67
In: -270.024+/-267.399 χ²/NDF:34.9/54
Out: -150.256+/-266.353 χ²/NDF:77.5/60
All: -209.905+/-188.709 χ²/NDF: 112.5/115

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: 1649.621+/-0.258 χ^2/NDF: 425983.8/35

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

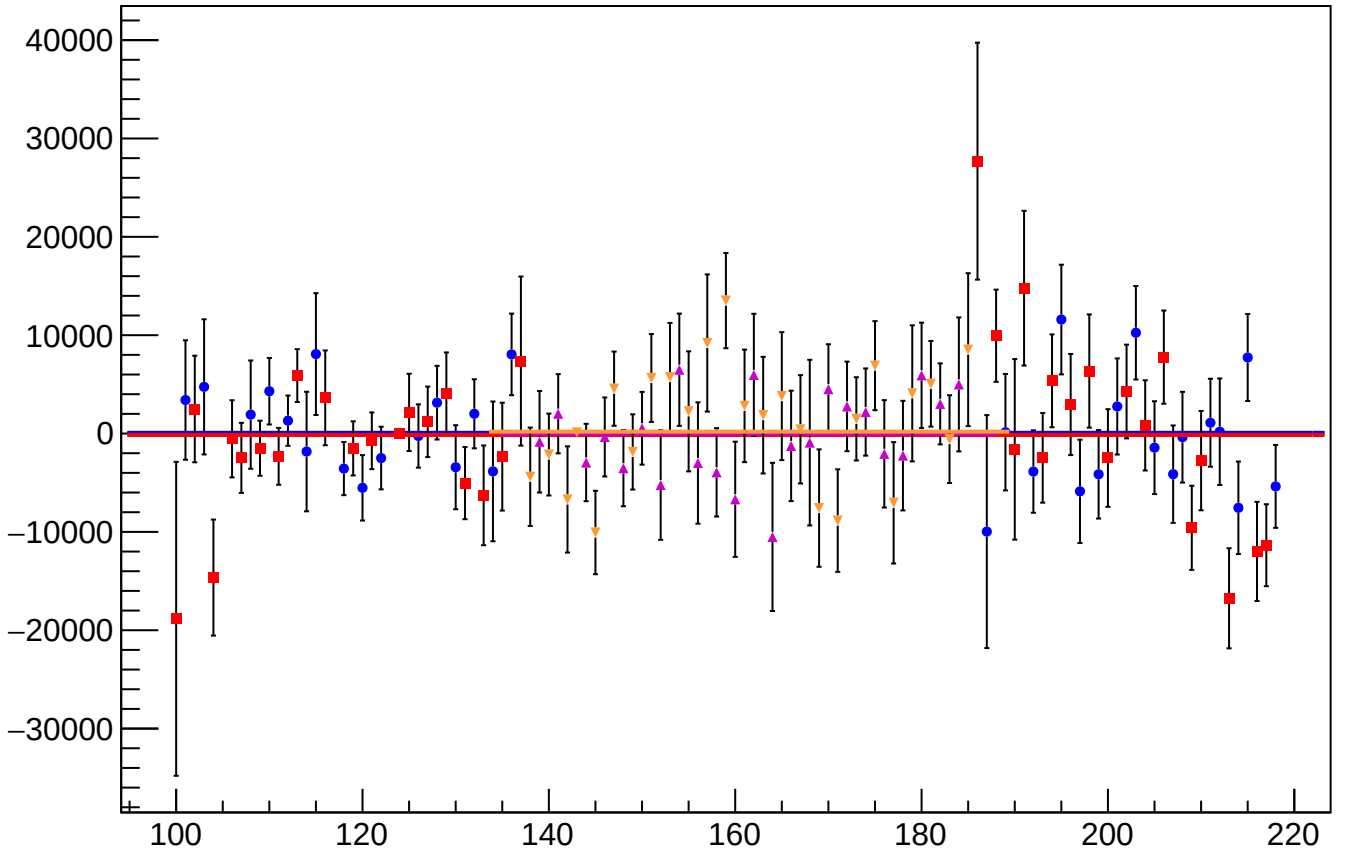
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1639.152+/-0.182 χ^2/NDF: 587165.4/67

In: 1656.486+/-0.189 χ^2/NDF:305615.7/54

Out: 1673.968+/-0.188 χ^2/NDF:897344.9/60

All: 1665.268+/-0.133 χ^2/NDF: 1207254.7/11



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: -146.973+/-306.030 χ^2/NDF: 70.0/35

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

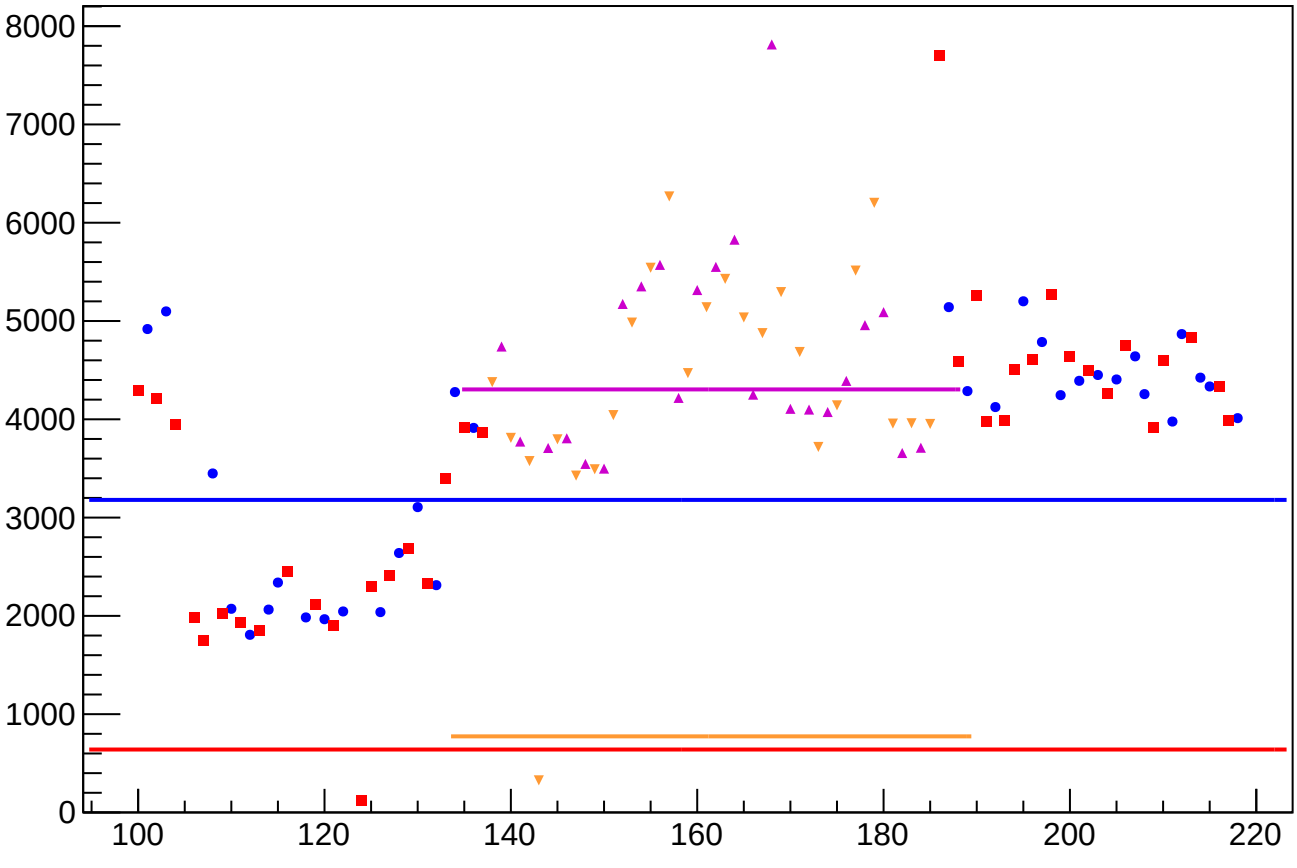
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -116.168+/-283.678 χ^2/NDF: 106.5/67

In: 36.441+/-608.590 χ^2/NDF:49.8/54

Out: 4.064+/-228.384 χ^2/NDF:104.4/60

All: 8.061+/-213.824 χ^2/NDF: 154.2/115



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: 640.294+/-0.216 χ^2/NDF: 32003198.7/35

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

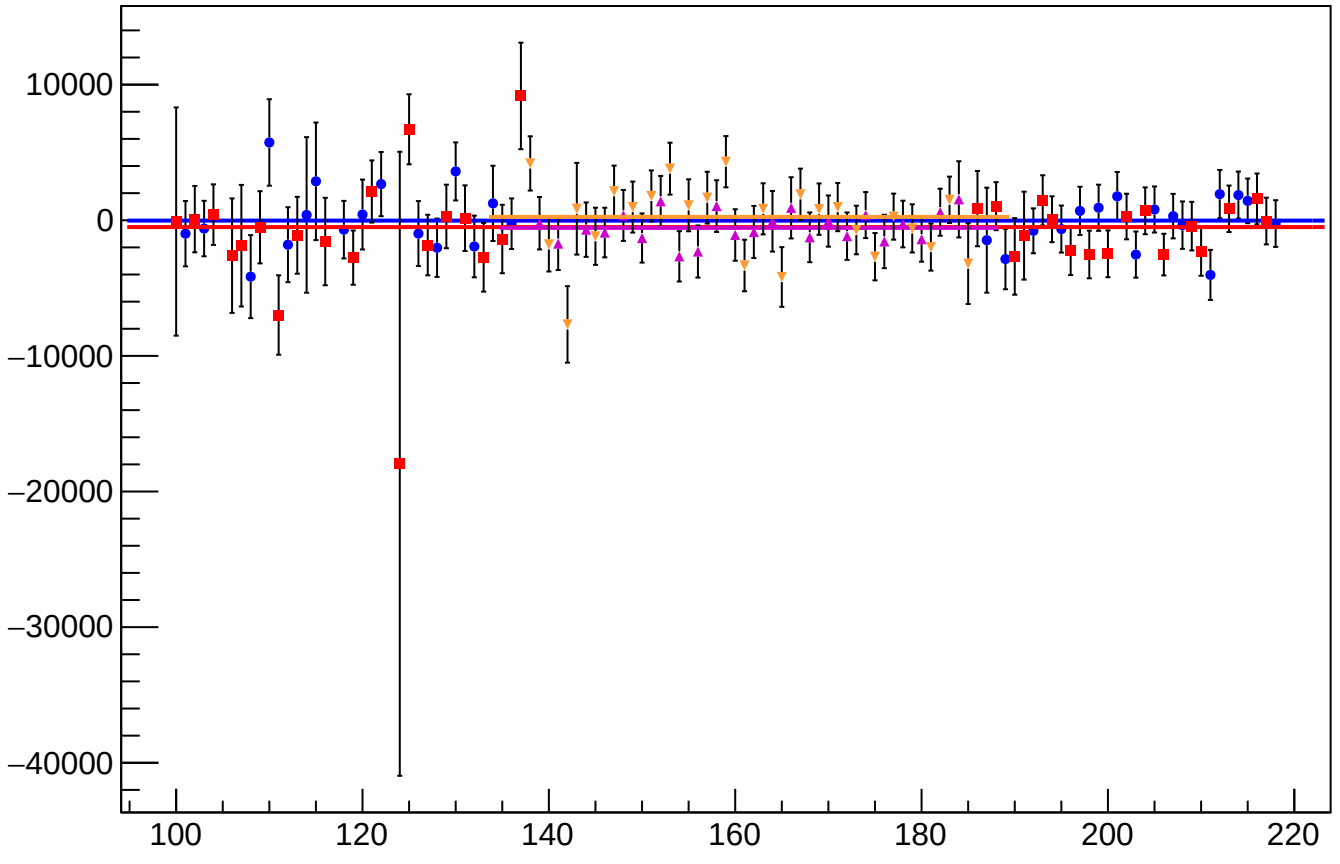
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 997.738+/-0.201 χ^2/NDF: 56131283.2/67

In: 3575.826+/-0.430 χ^2/NDF:7515822.6/54

Out: 699.598+/-0.161 χ^2/NDF:60259167.3/60

All: 1054.645+/-0.151 χ^2/NDF: 106931832.1/



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: -502.554+/-365.605 χ^2/NDF: 36.0/35

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

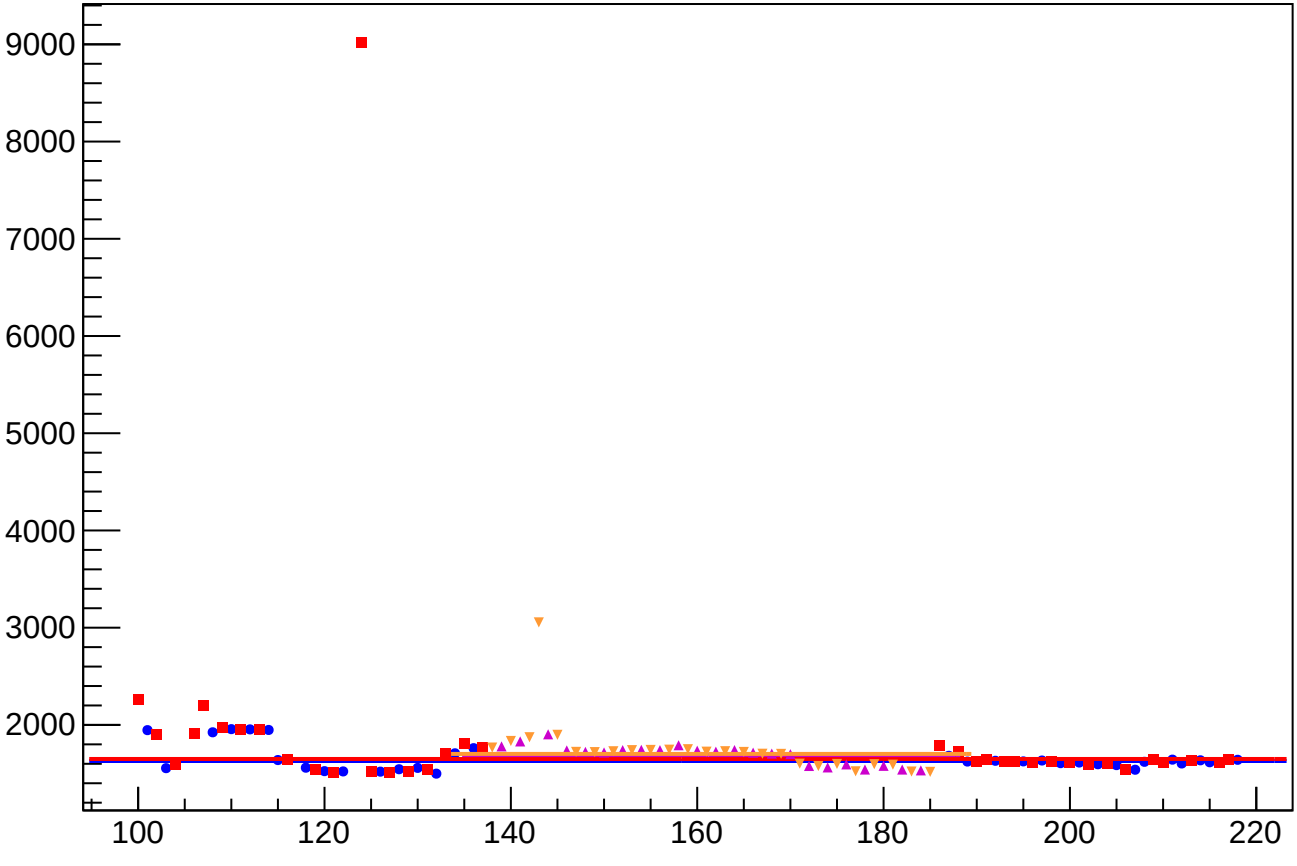
Right: -262.216+/-257.673 χ^2/NDF: 63.2/67

In: -270.024+/-267.399 χ^2/NDF:34.9/54

Out: -150.256+/-266.353 χ^2/NDF:77.5/60

All: -209.905+/-188.709 χ^2/NDF: 112.5/115

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: 1649.621+/-0.258 χ^2/NDF: 425983.8/35

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

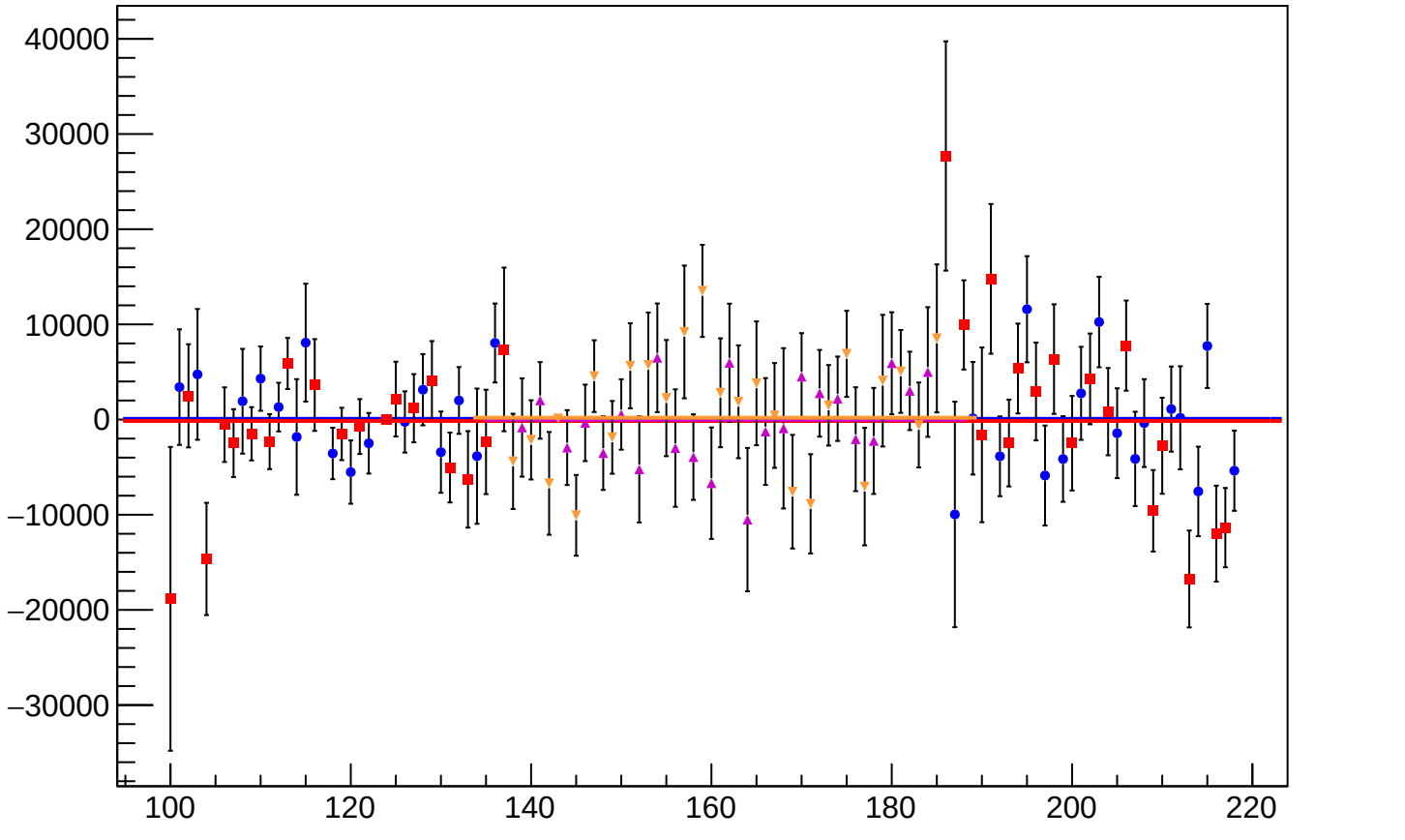
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1639.152+/-0.182 χ^2/NDF: 587165.4/67

In: 1656.486+/-0.189 χ^2/NDF:305615.7/54

Out: 1673.968+/-0.188 χ^2/NDF:897344.9/60

All: 1665.268+/-0.133 χ^2/NDF: 1207254.7/11



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: -146.973+/-306.030 χ^2/NDF: 70.0/35

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

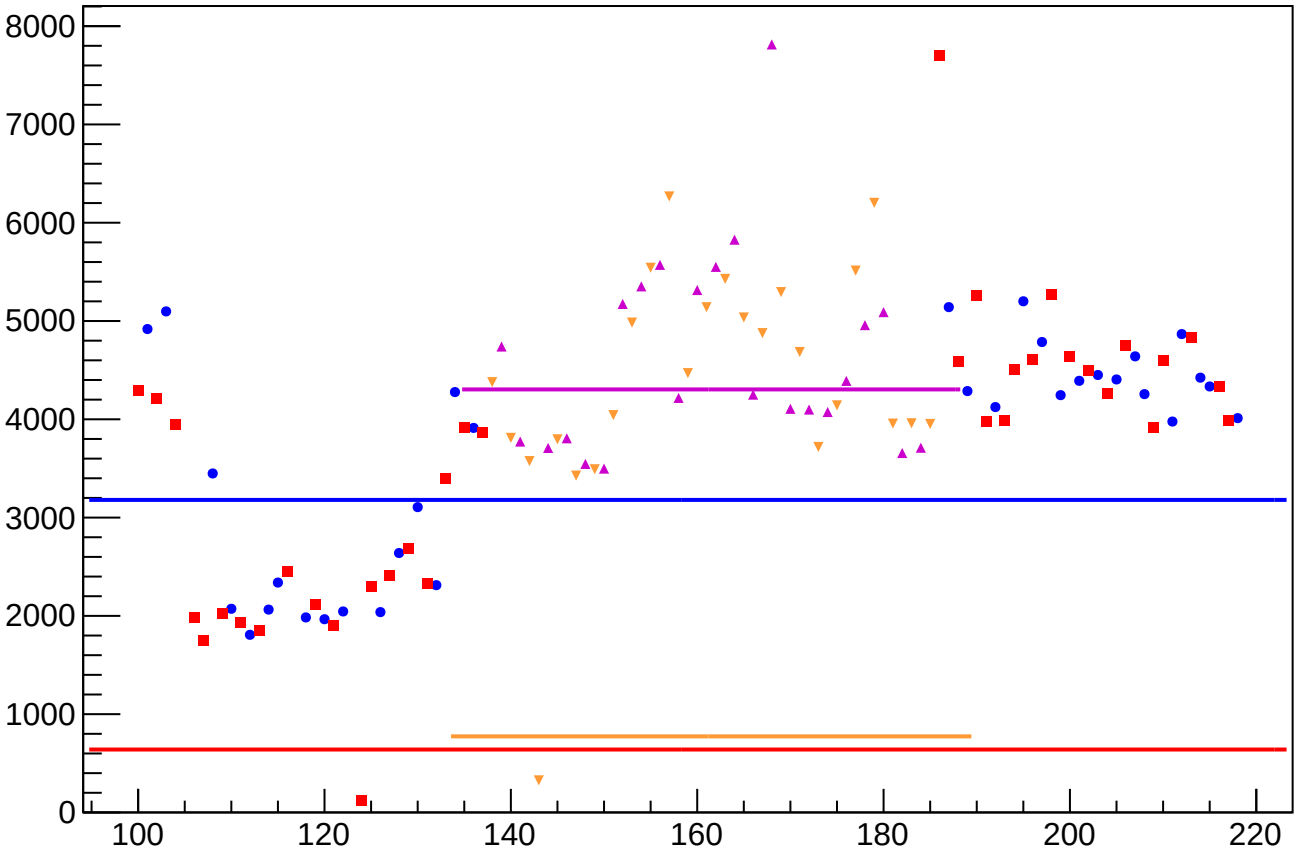
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -116.168+/-283.678 χ^2/NDF: 106.5/67

In: 36.441+/-608.590 χ^2/NDF:49.8/54

Out: 4.064+/-228.384 χ^2/NDF:104.4/60

All: 8.061+/-213.824 χ^2/NDF: 154.2/115



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: 640.294+/-0.216 χ^2/NDF: 32003198.7/35

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

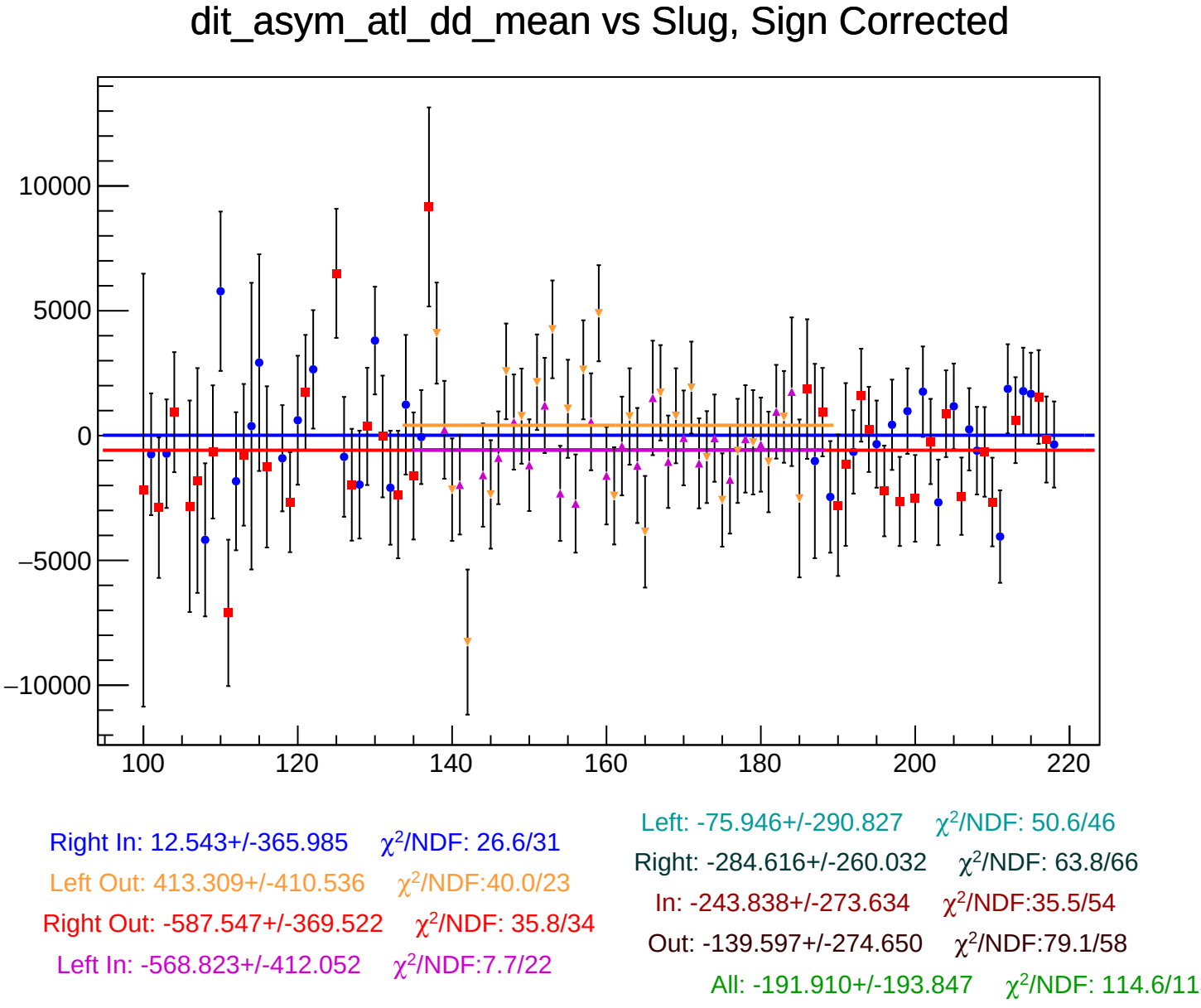
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 997.738+/-0.201 χ^2/NDF: 56131283.2/67

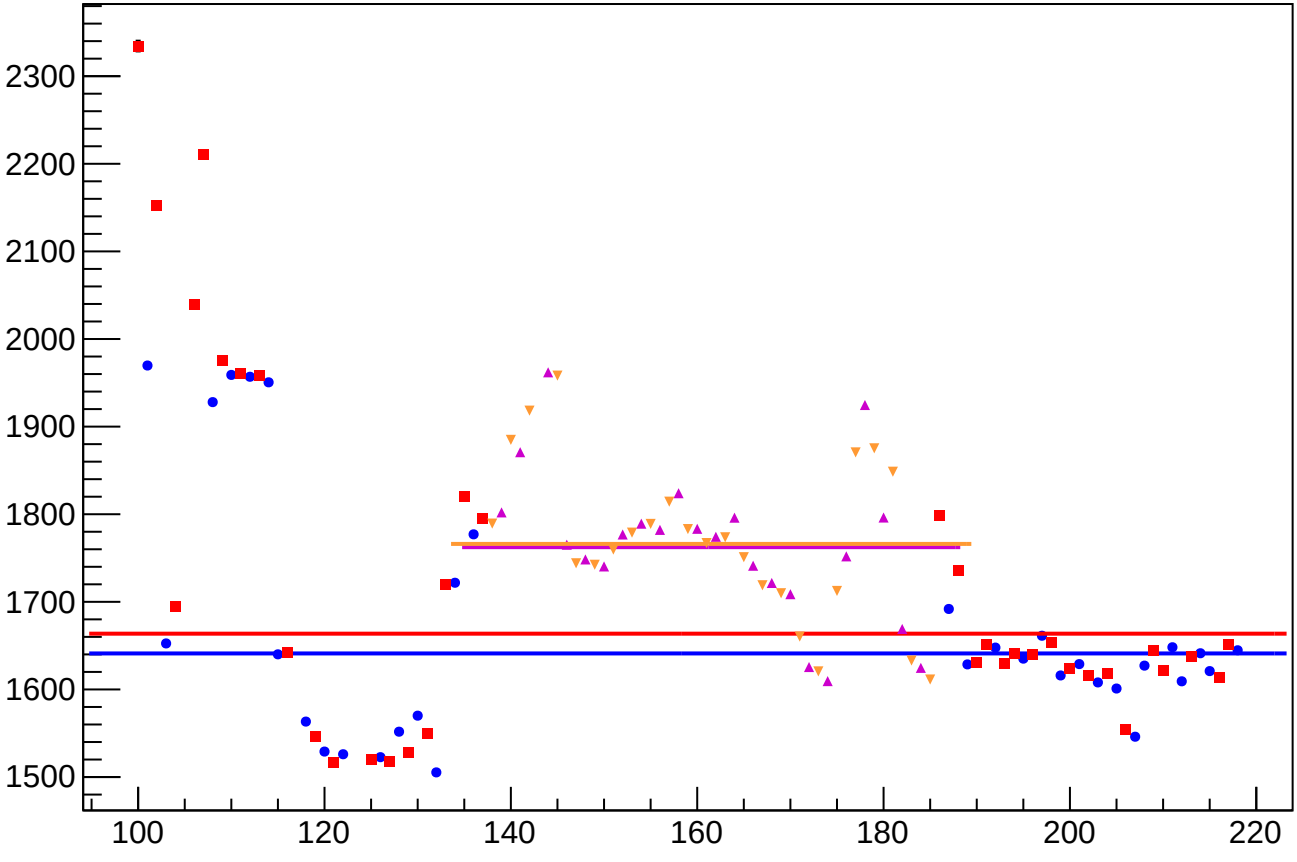
In: 3575.826+/-0.430 χ^2/NDF:7515822.6/54

Out: 699.598+/-0.161 χ^2/NDF:60259167.3/60

All: 1054.645+/-0.151 χ^2/NDF: 106931832.1/


dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 12.543+/-365.985 χ²/NDF: 26.6/31
Left Out: 413.309+/-410.536 χ²/NDF:40.0/23
Right Out: -587.547+/-369.522 χ²/NDF: 35.8/34
Left In: -568.823+/-412.052 χ²/NDF:7.7/22
Left: -75.946+/-290.827 χ²/NDF: 50.6/46
Right: -284.616+/-260.032 χ²/NDF: 63.8/66
In: -243.838+/-273.634 χ²/NDF:35.5/54
Out: -139.597+/-274.650 χ²/NDF:79.1/58
All: -191.910+/-193.847 χ²/NDF: 114.6/113

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: 1663.663+/-0.261 χ^2/NDF: 268720.4/34

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

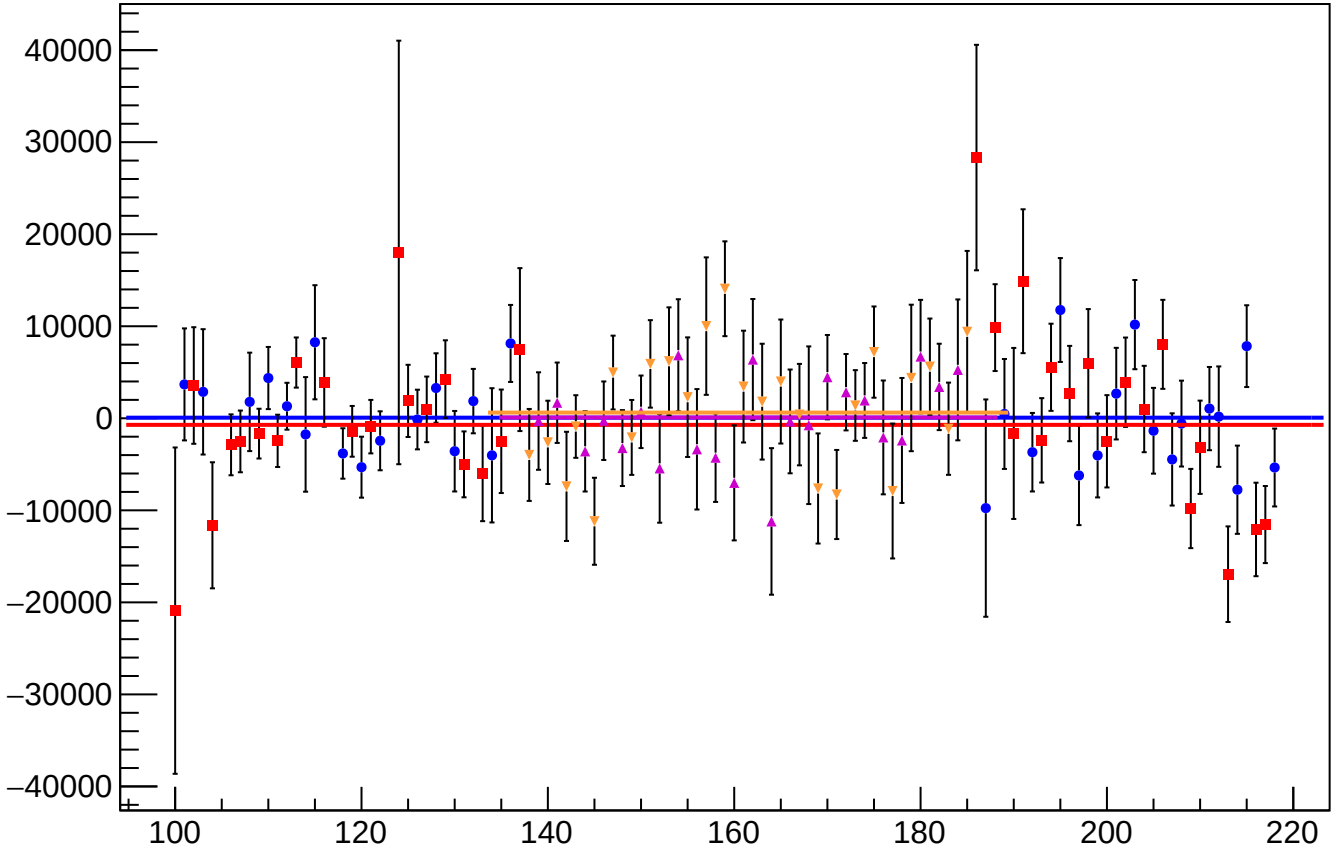
Right: 1652.283+/-0.184 χ^2/NDF: 429597.3/66

In: 1694.597+/-0.193 χ^2/NDF:334091.1/54

Out: 1709.478+/-0.194 χ^2/NDF:420829.6/58

All: 1702.013+/-0.137 χ^2/NDF: 757868.6/113

asym_atl_dd_dit_correction_mean vs Slug, Sign Corrected



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: -714.534+/-722.863 χ^2/NDF: 67.6/35

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

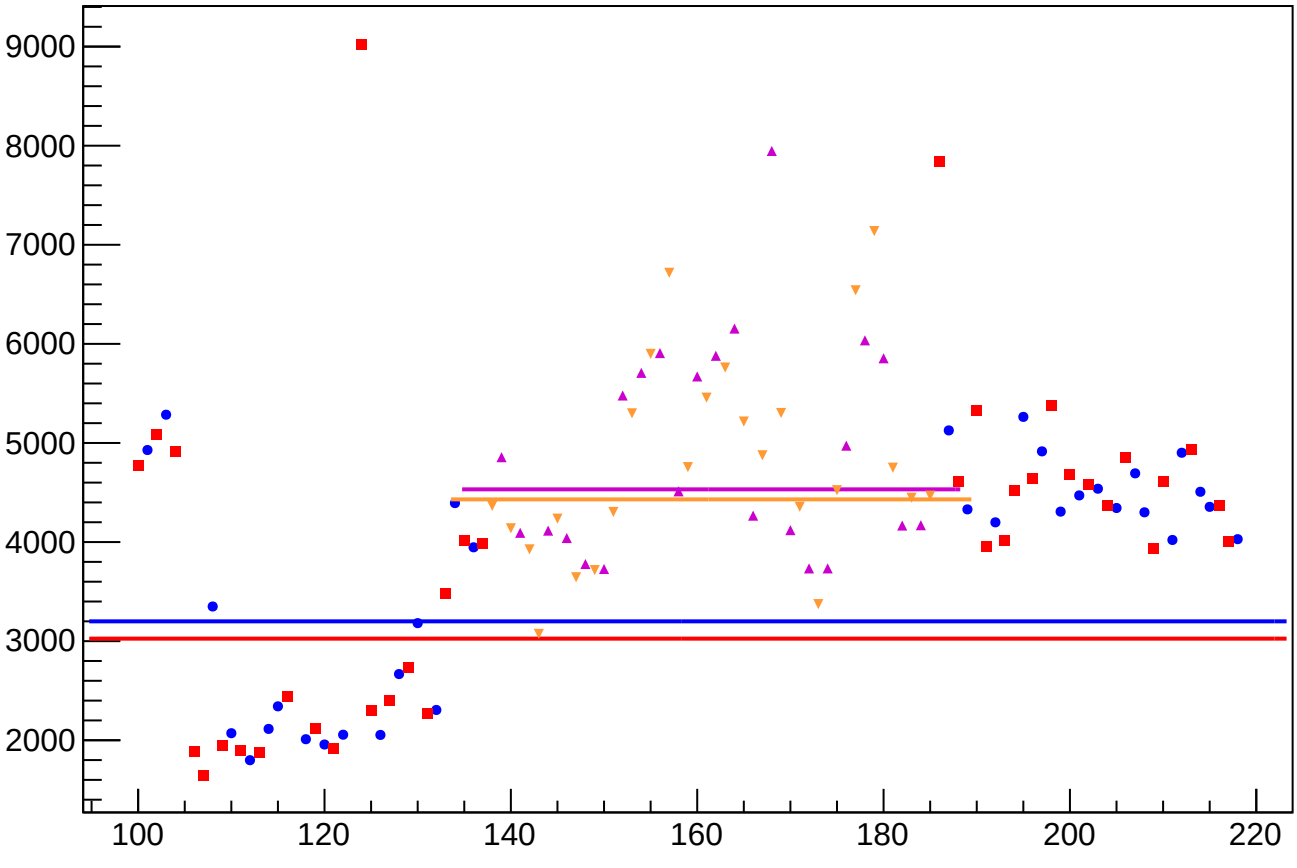
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: -344.472+/-524.169 χ^2/NDF: 104.4/67

In: 72.373+/-622.664 χ^2/NDF:49.1/54

Out: -276.909+/-592.568 χ^2/NDF:101.8/60

All: -110.913+/-429.254 χ^2/NDF: 151.1/115



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: 3025.503+/-0.511 χ^2/NDF: 6120762.6/35

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

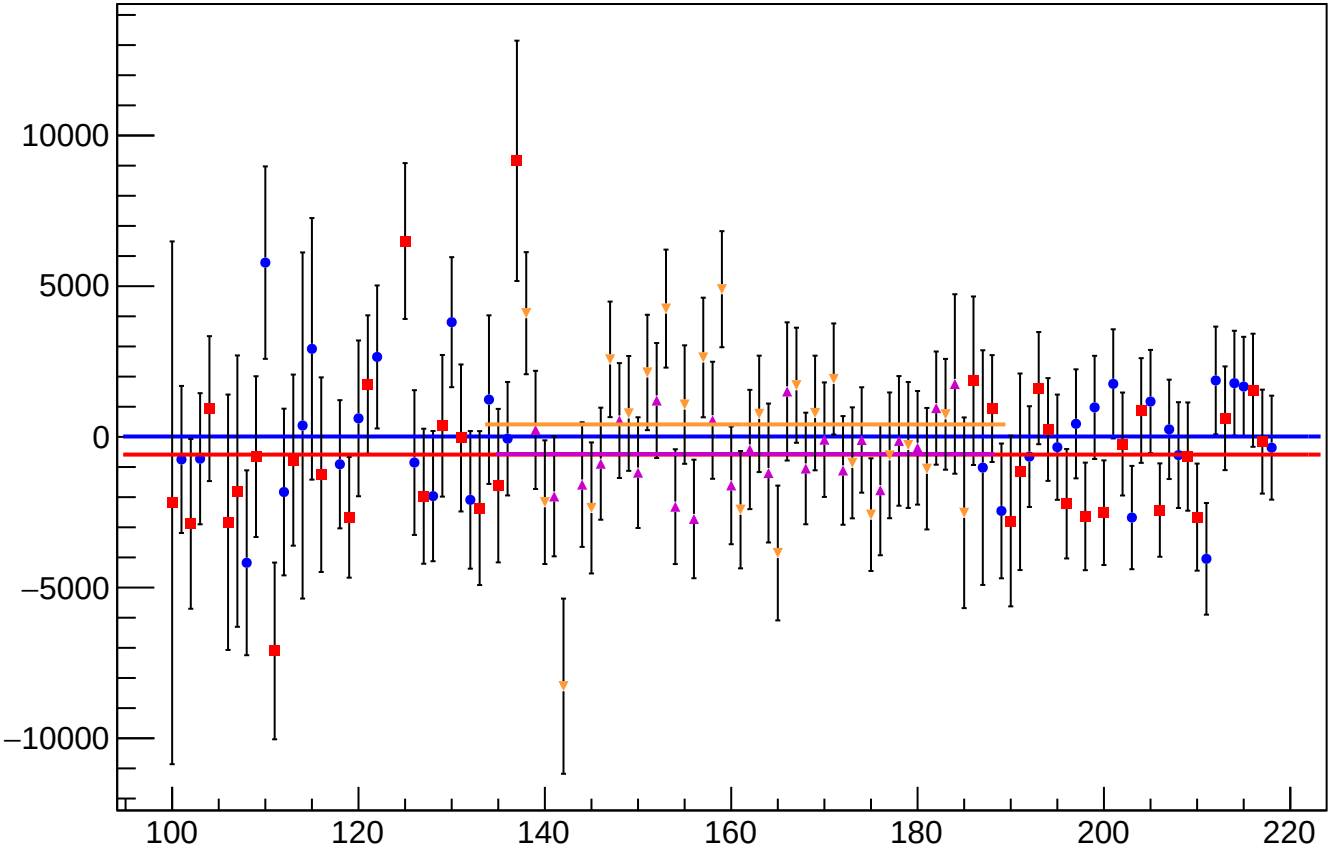
Right: 3108.246+/-0.371 χ^2/NDF: 11042714.6/67

In: 3640.686+/-0.440 χ^2/NDF:8269246.9/54

Out: 3486.449+/-0.419 χ^2/NDF:10213370.7/60

All: 3559.750+/-0.304 χ^2/NDF: 18547012.9/1

eigen_dit_asym_atl_dd_mean vs Slug, Sign Corrected



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: -587.544+/-369.522 χ^2/NDF: 35.8/34

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

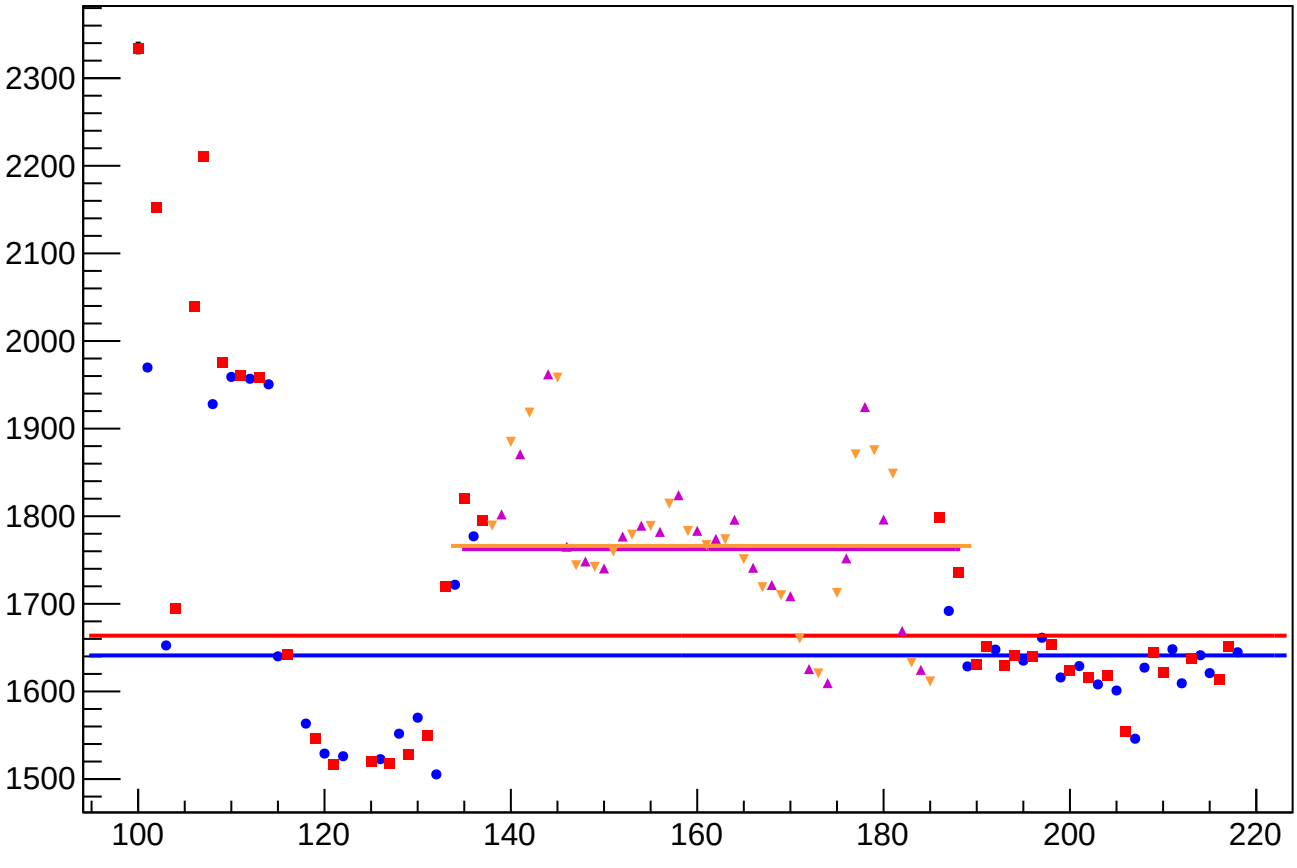
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -284.617+/-260.032 χ^2/NDF: 63.8/66

In: -243.839+/-273.634 χ^2/NDF:35.5/54

Out: -139.595+/-274.650 χ^2/NDF:79.1/58

All: -191.910+/-193.847 χ^2/NDF: 114.6/113



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: 1663.663+/-0.261 χ^2/NDF: 268719.1/34

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

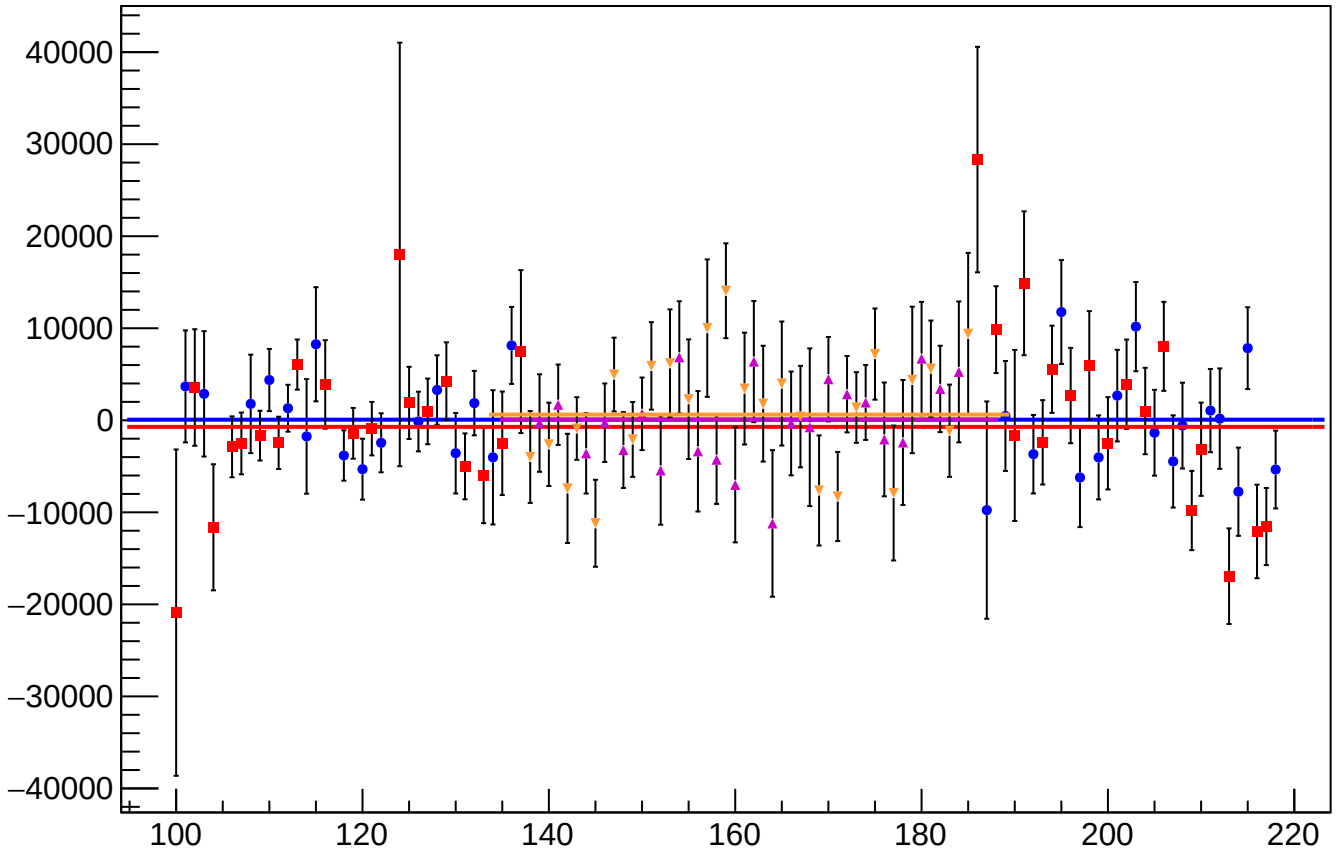
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1652.283+/-0.184 χ^2/NDF: 429596.0/66

In: 1694.598+/-0.193 χ^2/NDF:334095.1/54

Out: 1709.479+/-0.194 χ^2/NDF:420832.4/58

All: 1702.014+/-0.137 χ^2/NDF: 757875.4/113



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: -714.535+/-722.861 χ^2/NDF: 67.6/35

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

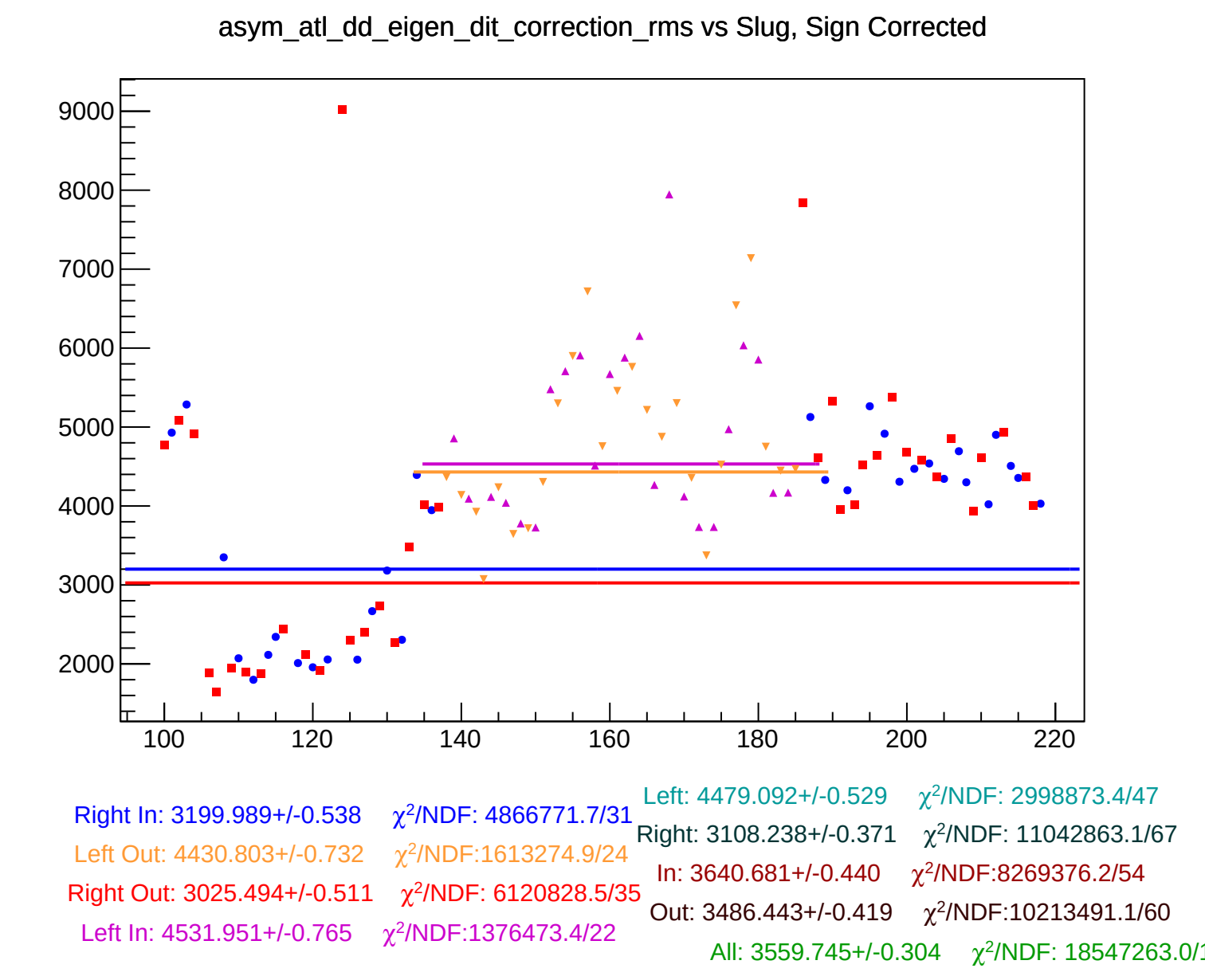
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: -344.475+/-524.168 χ^2/NDF: 104.4/67

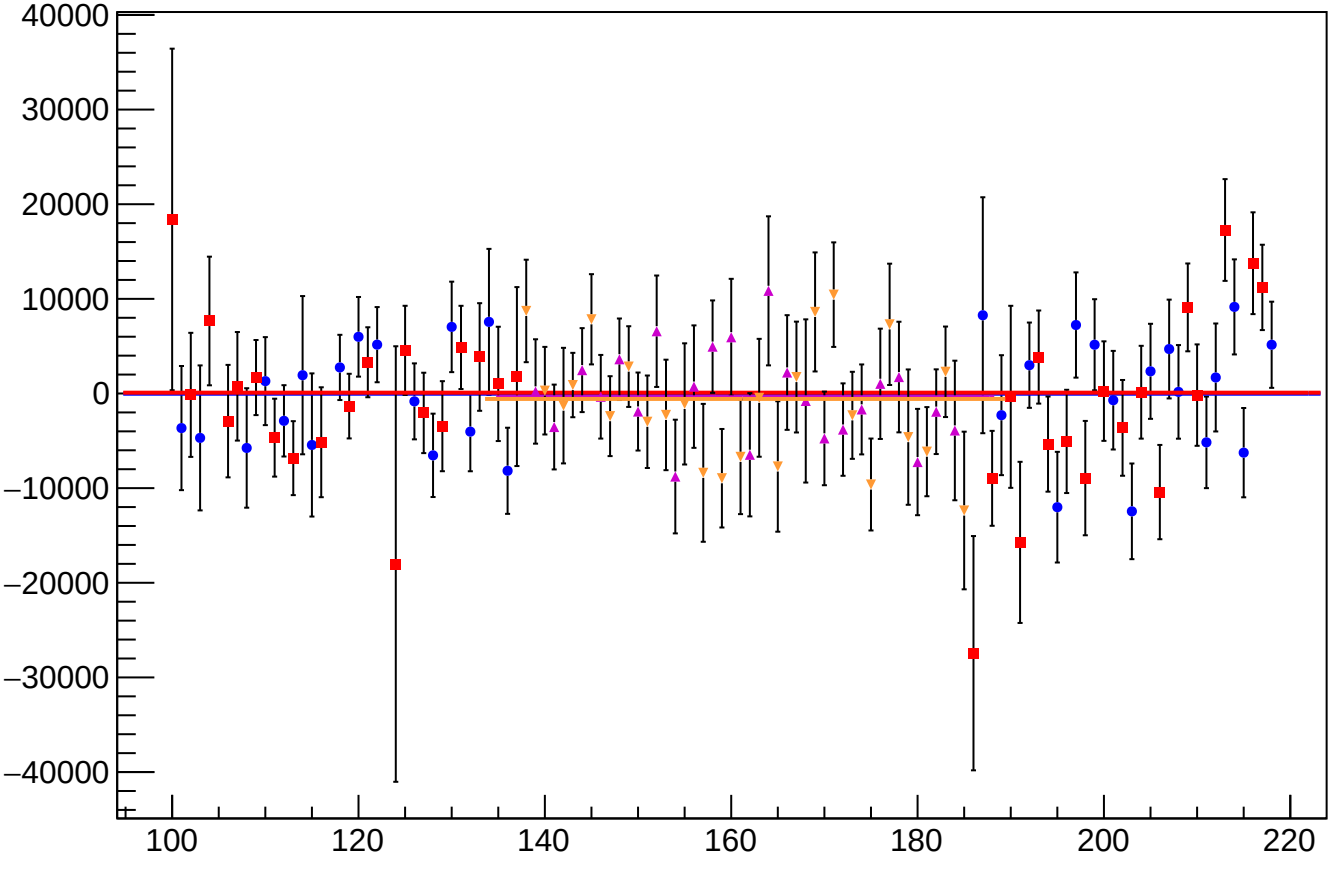
In: 72.370+/-622.664 χ^2/NDF:49.1/54

Out: -276.911+/-592.568 χ^2/NDF:101.8/60

All: -110.915+/-429.254 χ^2/NDF: 151.1/115


asym_atl_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 3199.989+/-0.538 χ²/NDF: 4866771.7/31
Left Out: 4430.803+/-0.732 χ²/NDF:1613274.9/24
Right Out: 3025.494+/-0.511 χ²/NDF: 6120828.5/35
Left In: 4531.951+/-0.765 χ²/NDF:1376473.4/22
Left: 4479.092+/-0.529 χ²/NDF: 2998873.4/47
Right: 3108.238+/-0.371 χ²/NDF: 11042863.1/67
In: 3640.681+/-0.440 χ²/NDF:8269376.2/54
Out: 3486.443+/-0.419 χ²/NDF:10213491.1/60
All: 3559.745+/-0.304 χ²/NDF: 18547263.0/

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: 86.184+/-870.112 χ^2/NDF: 61.0/35

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

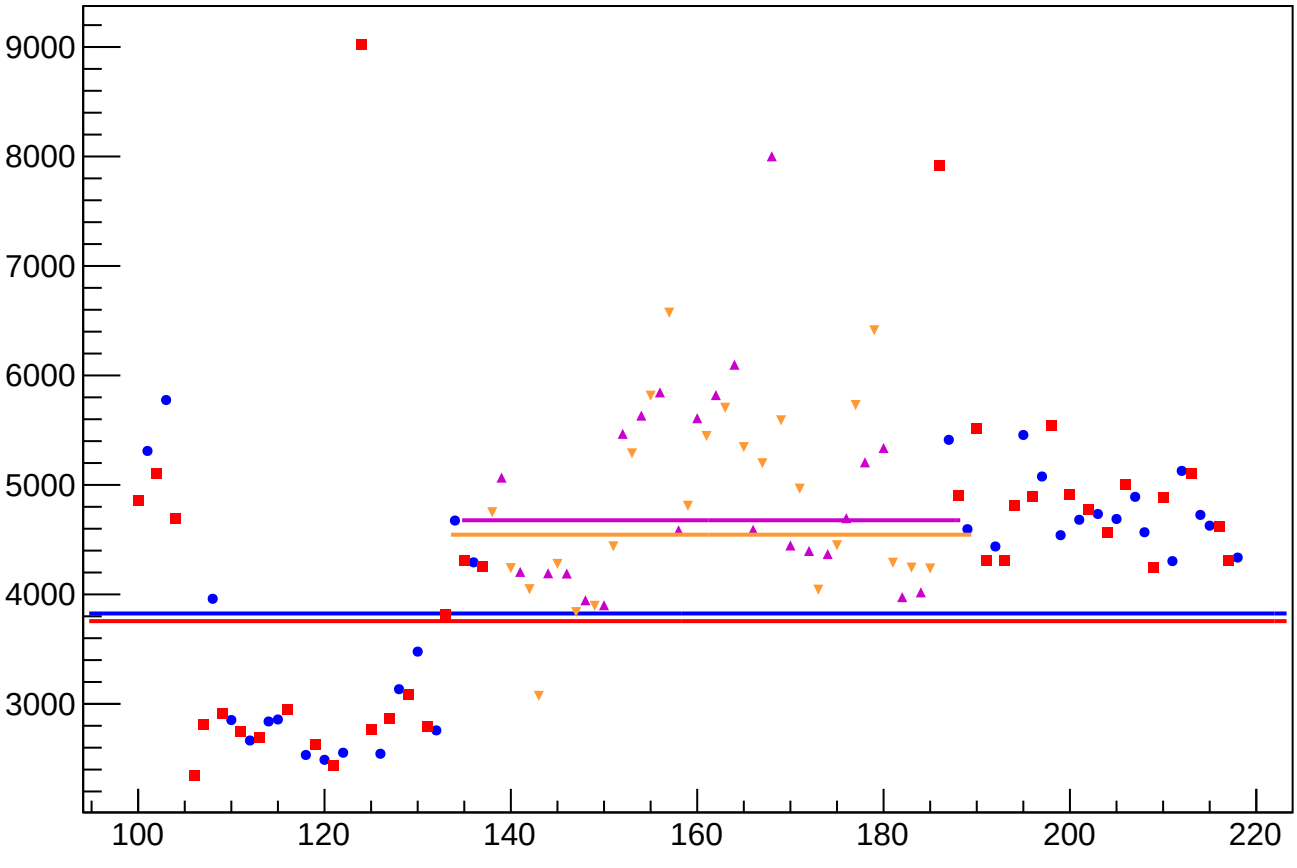
Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

Right: 31.944+/-619.786 χ^2/NDF: 100.4/67

In: -169.147+/-690.924 χ^2/NDF:53.5/54

Out: -180.777+/-671.221 χ^2/NDF:90.0/60

All: -175.130+/-481.440 χ^2/NDF: 143.5/115



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: 3755.912+/-0.610 χ^2/NDF: 3146342.2/35

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

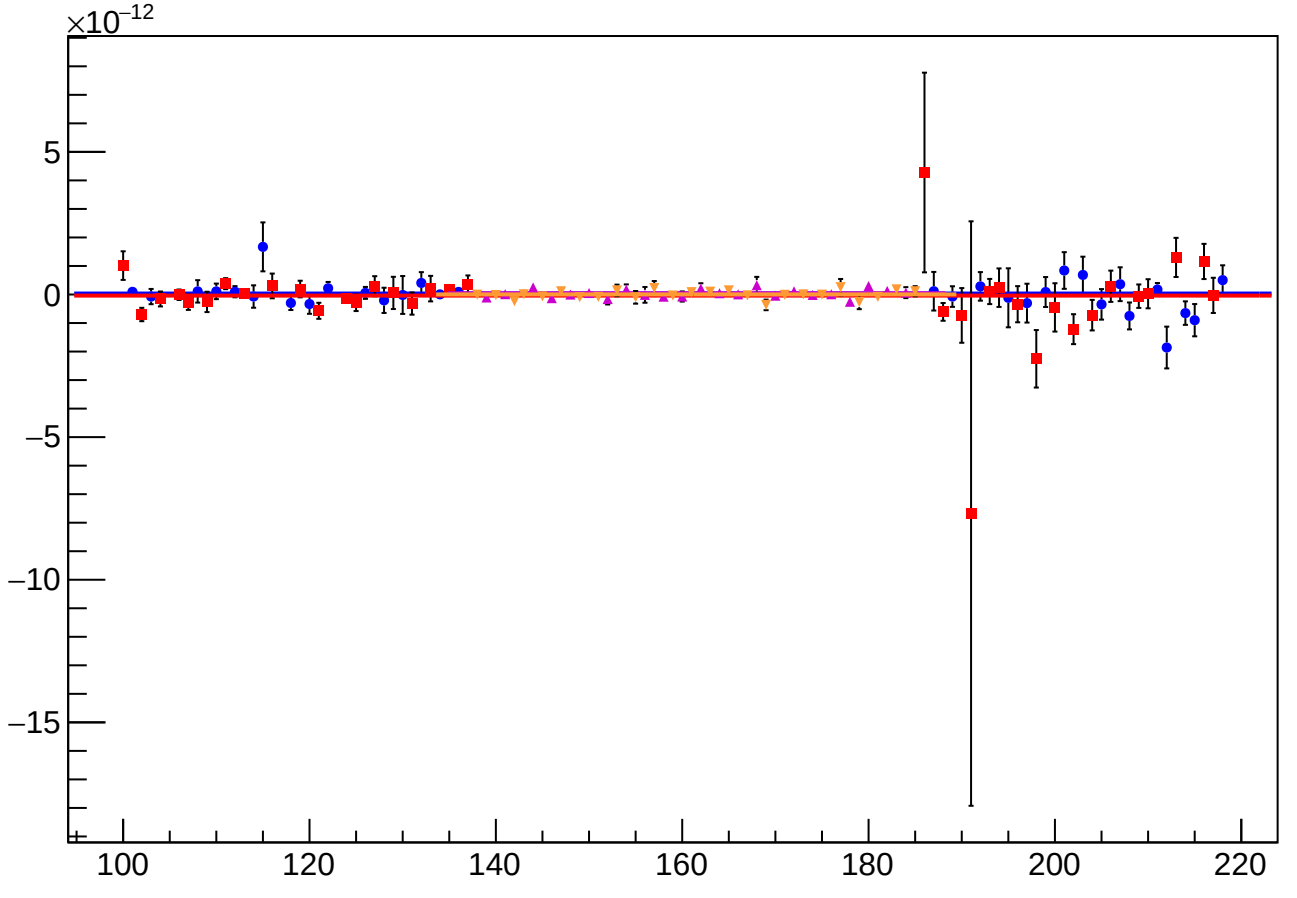
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3790.060+/-0.437 χ^2/NDF: 5827872.9/67

In: 4155.907+/-0.489 χ^2/NDF:4355799.2/54

Out: 4072.669+/-0.472 χ^2/NDF:5075922.0/60

All: 4112.892+/-0.340 χ^2/NDF: 9446722.1/11



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: 56.4/35

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

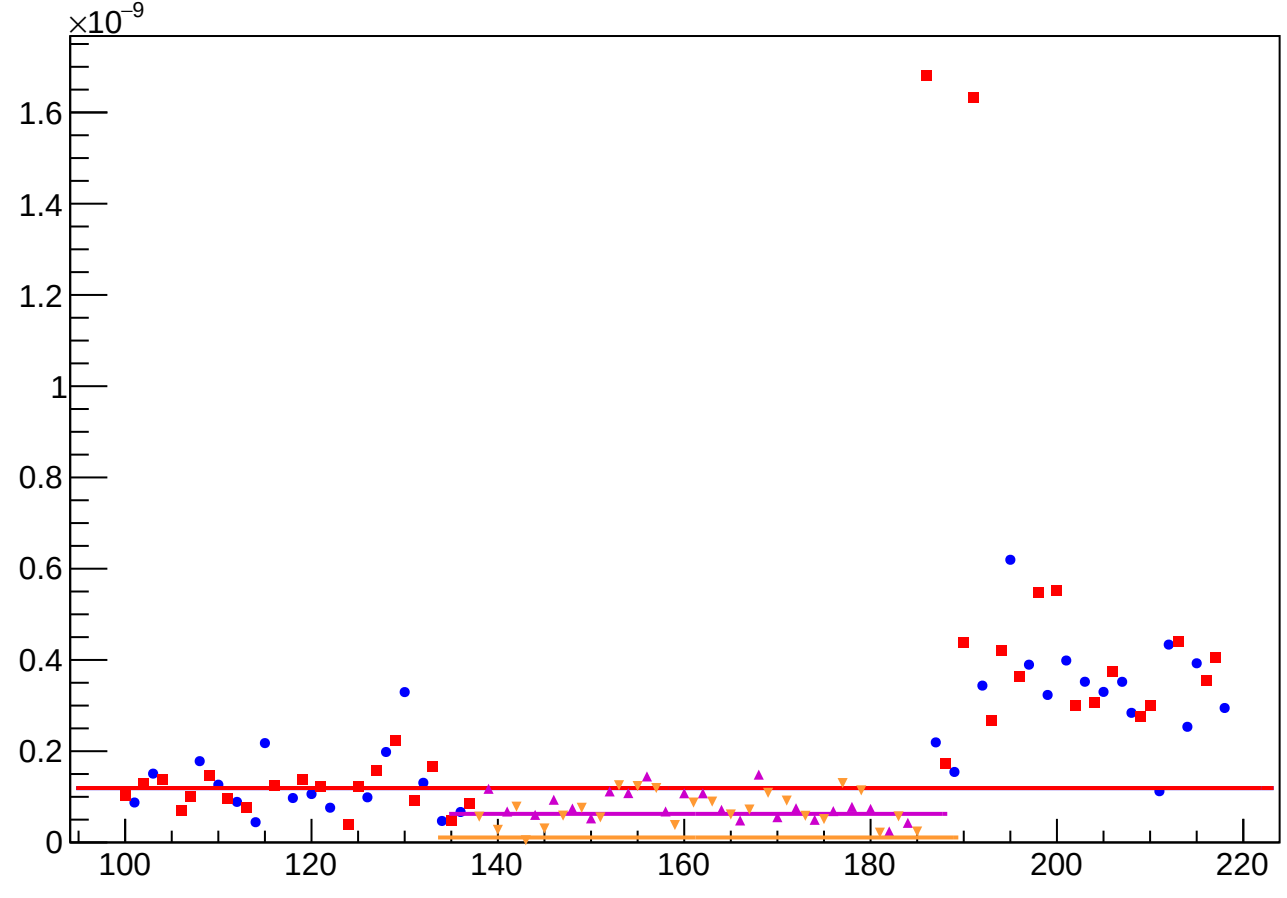
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: -0.000+/-0.000 χ^2/NDF: 87.1/67

In: 0.000+/-0.000 χ^2/NDF:50.3/54

Out: 0.000+/-0.000 χ^2/NDF:75.2/60

All: 0.000+/-0.000 χ^2/NDF: 128.1/115



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: 6780314.6/35

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

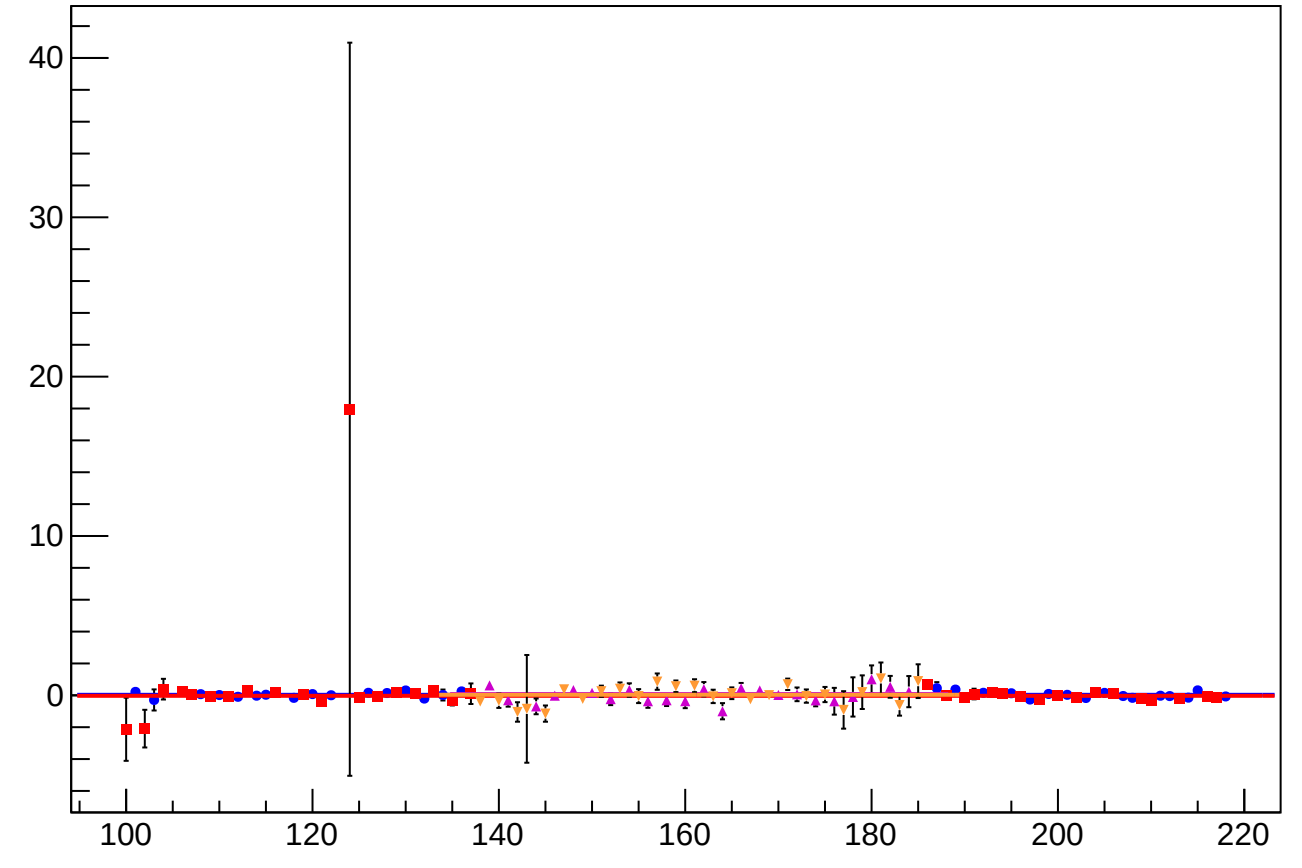
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12628342.5/67

In: 0.000+/-0.000 χ^2/NDF:9874417.9/54

Out: 0.000+/-0.000 χ^2/NDF:25023625.0/60

All: 0.000+/-0.000 χ^2/NDF: 47047014.0/115



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: -0.030+/-0.029 χ^2/NDF: 44.5/35

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

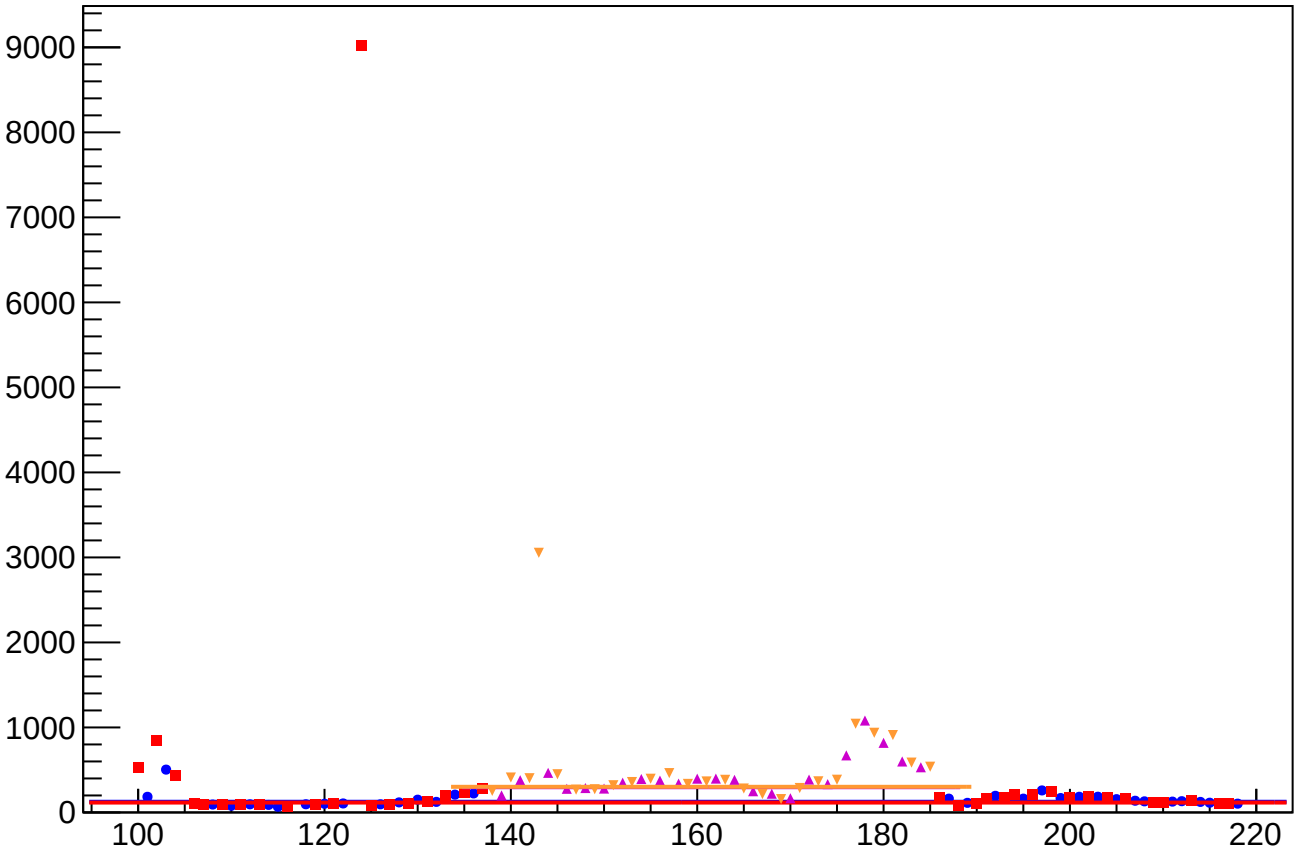
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: -0.001+/-0.021 χ^2/NDF: 74.8/67

In: 0.038+/-0.028 χ^2/NDF:52.5/54

Out: -0.022+/-0.027 χ^2/NDF:74.8/60

All: 0.006+/-0.019 χ^2/NDF: 129.8/115



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: 116.392+/-0.020 χ^2/NDF: 5552161.7/35

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

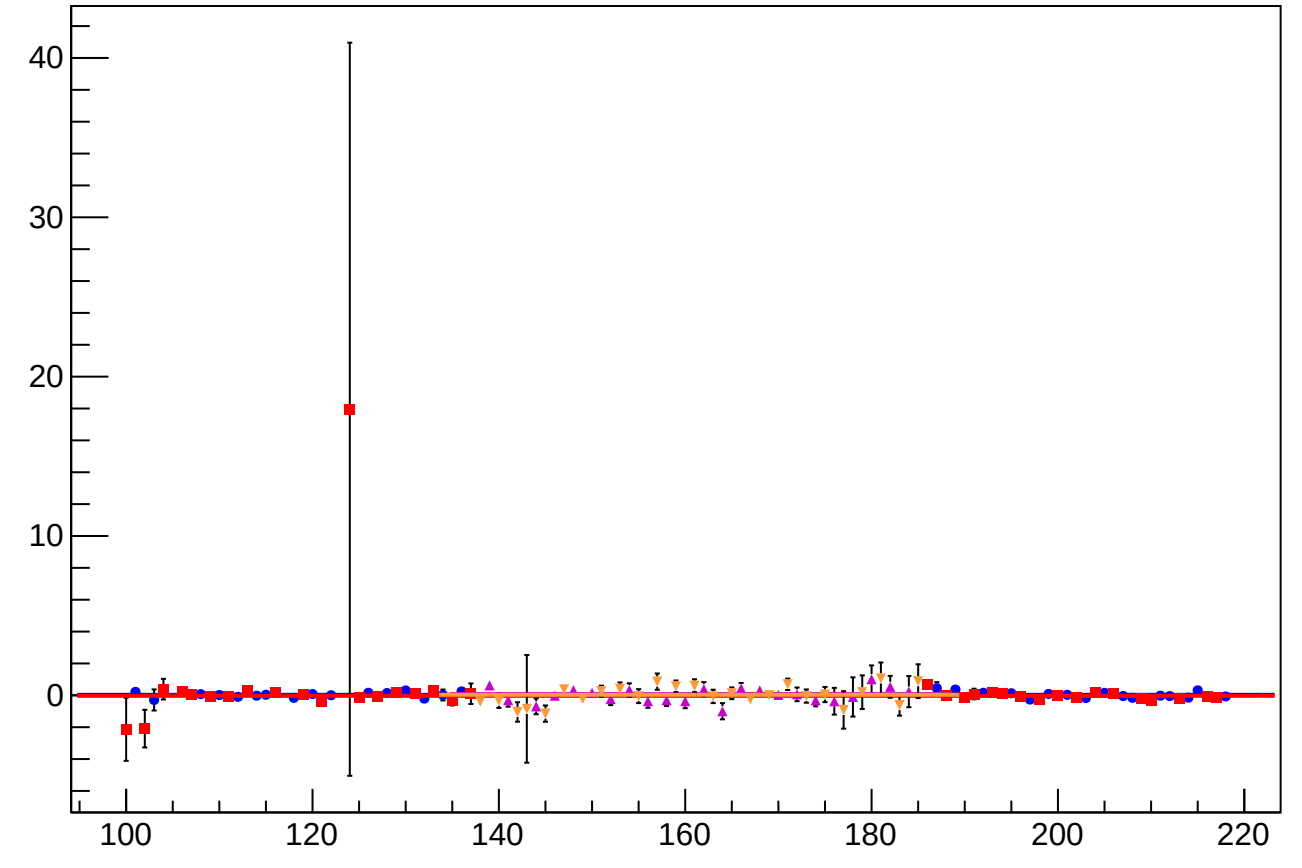
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 120.834+/-0.015 χ^2/NDF: 9220738.9/67

In: 149.063+/-0.020 χ^2/NDF:17301920.0/54

Out: 138.774+/-0.019 χ^2/NDF:22451979.9/60

All: 143.692+/-0.014 χ^2/NDF: 39895463.1/11



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: -0.030+/-0.029 χ^2/NDF: 44.5/35

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

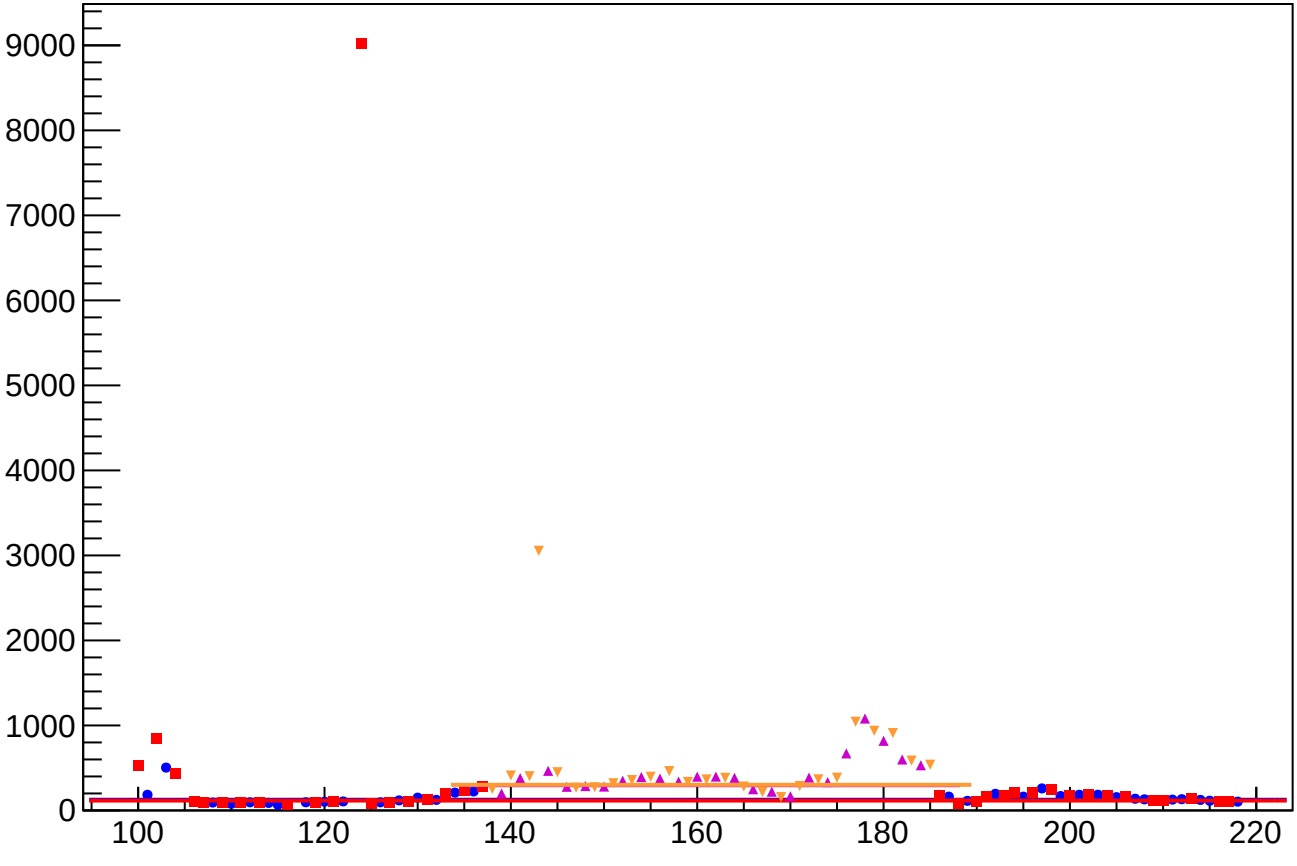
Right: -0.001+/-0.021 χ^2/NDF: 74.8/67

In: 0.038+/-0.028 χ^2/NDF:52.5/54

Out: -0.022+/-0.027 χ^2/NDF:74.8/60

All: 0.006+/-0.019 χ^2/NDF: 129.8/115

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: 116.392+/-0.020 χ^2/NDF: 5552161.7/35

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

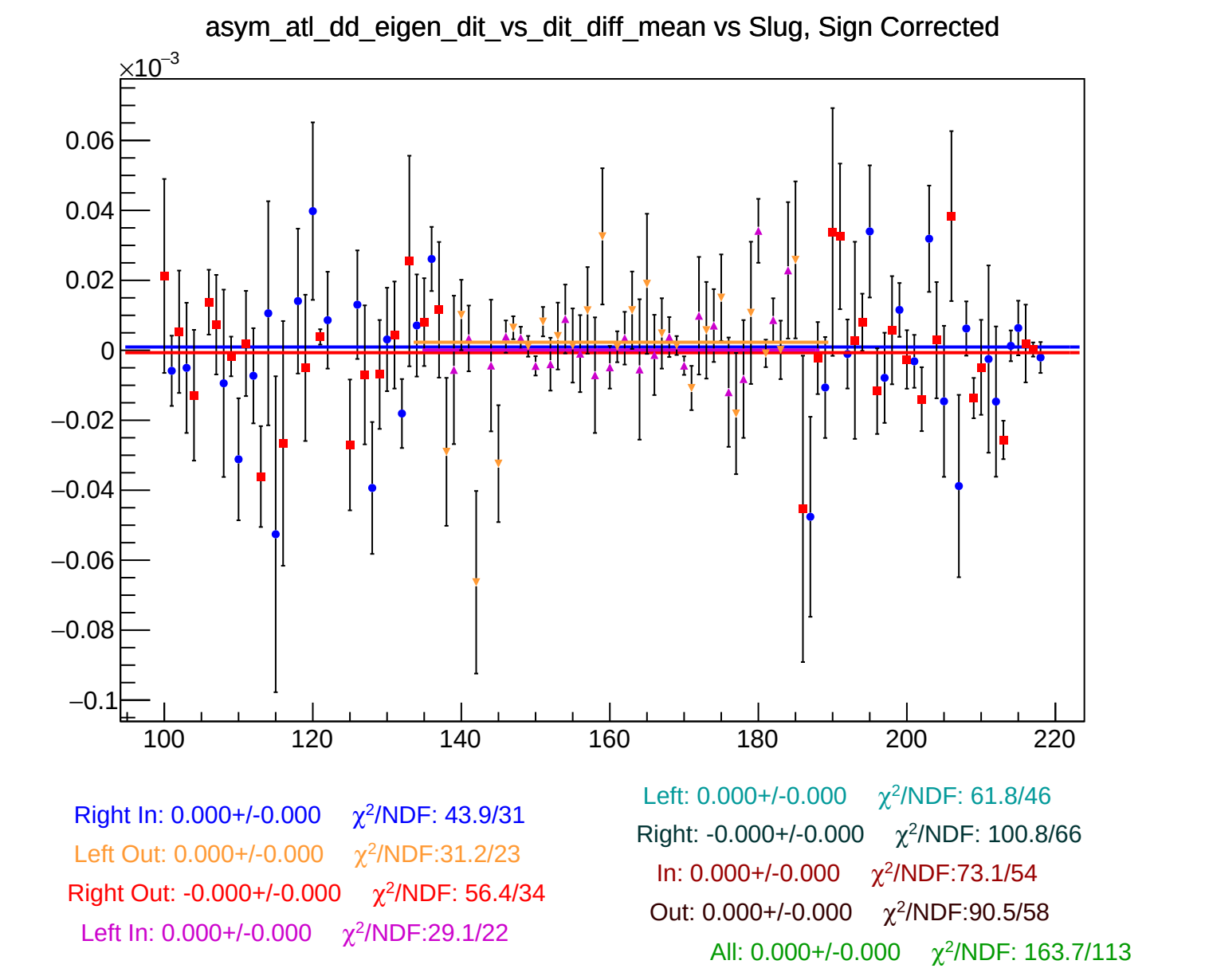
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

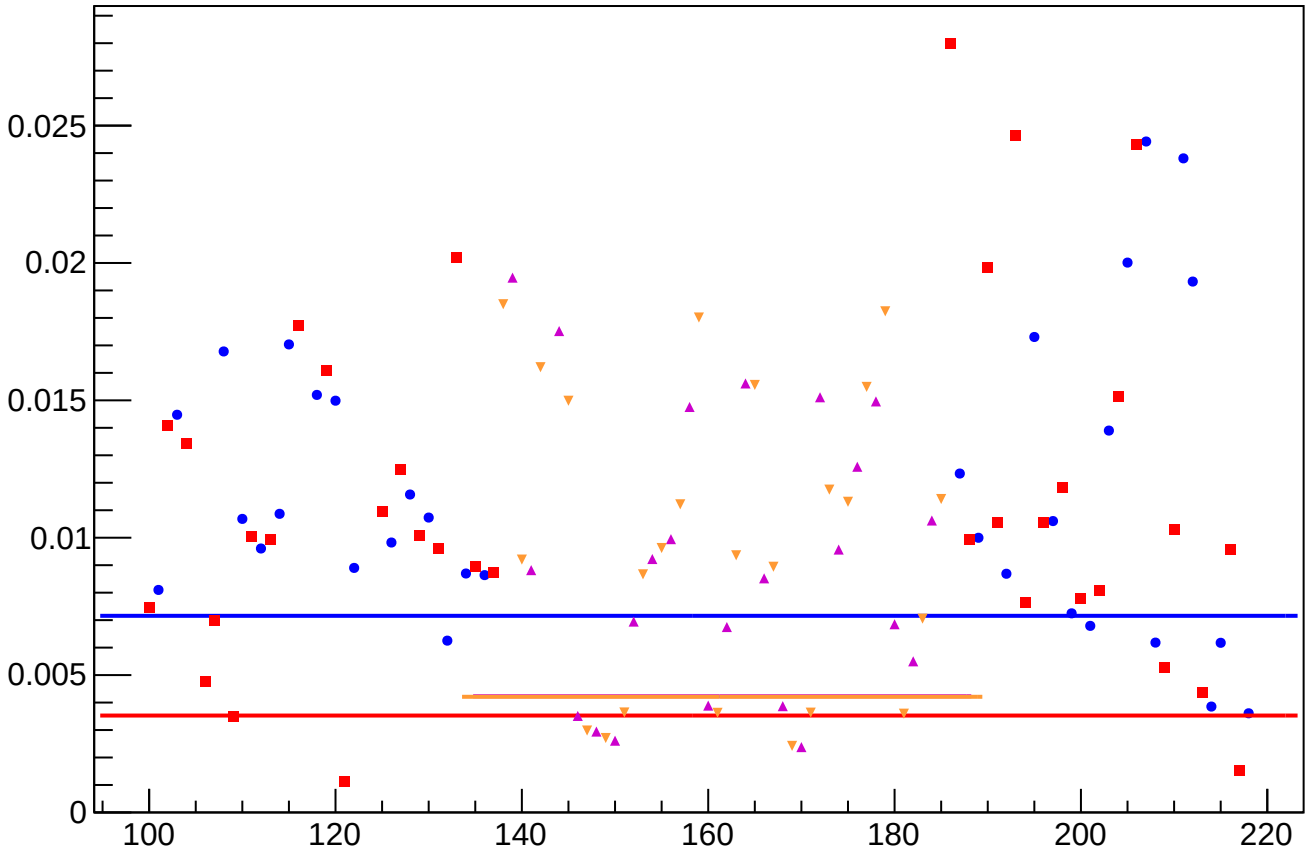
Right: 120.834+/-0.015 χ^2/NDF: 9220738.9/67

In: 149.063+/-0.020 χ^2/NDF:17301920.0/54

Out: 138.774+/-0.019 χ^2/NDF:22451979.9/60

All: 143.692+/-0.014 χ^2/NDF: 39895463.1/11


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: 56.4/34
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: 100.8/66
In: 0.000+/-0.000 χ²/NDF:73.1/54
Out: 0.000+/-0.000 χ²/NDF:90.5/58
All: 0.000+/-0.000 χ²/NDF: 163.7/113



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: 19916542.5/34

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

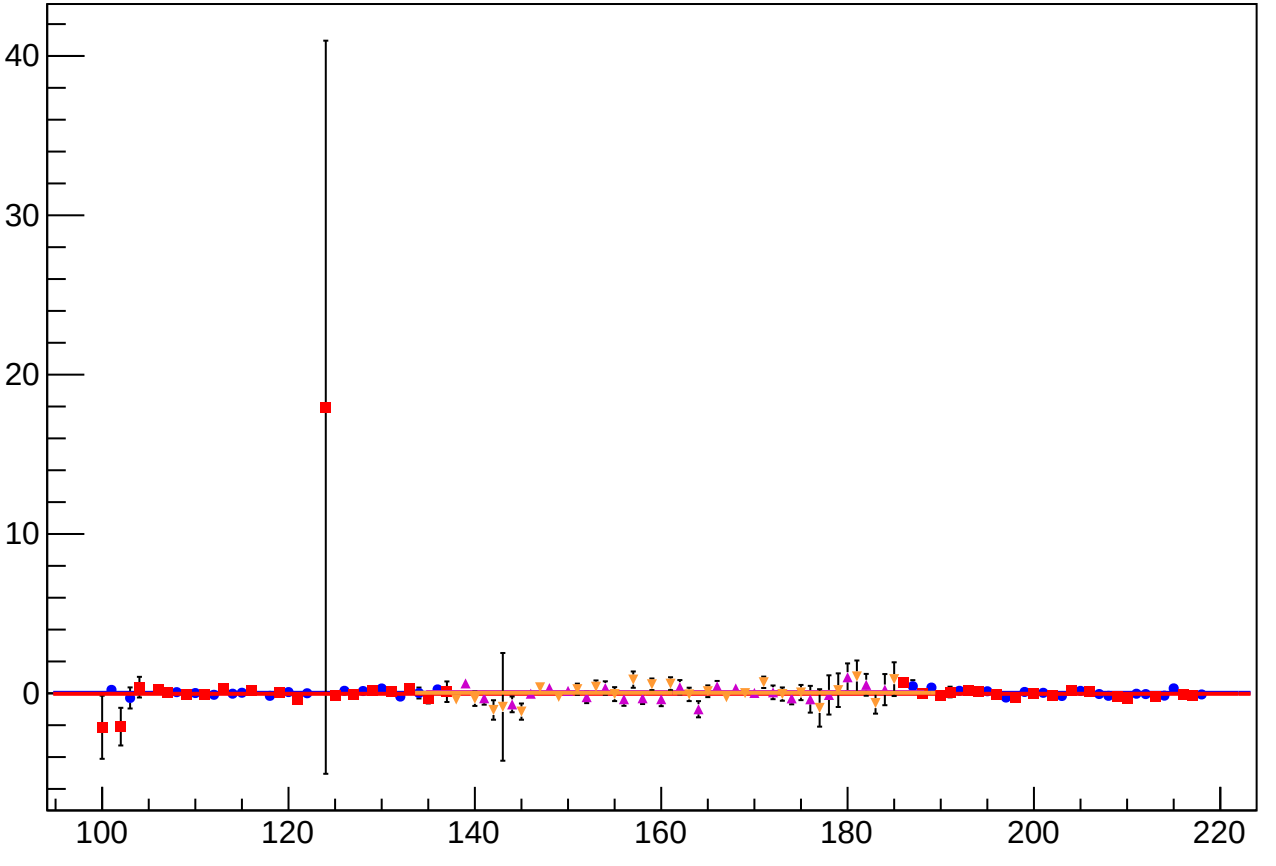
Right: 0.005+/-0.000 χ^2/NDF: 33694934.8/66

In: 0.005+/-0.000 χ^2/NDF:22875057.3/54

Out: 0.004+/-0.000 χ^2/NDF:32304774.5/58

All: 0.004+/-0.000 χ^2/NDF: 56942412.0/113

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: -0.030+/-0.029 χ^2/NDF: 44.5/35

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

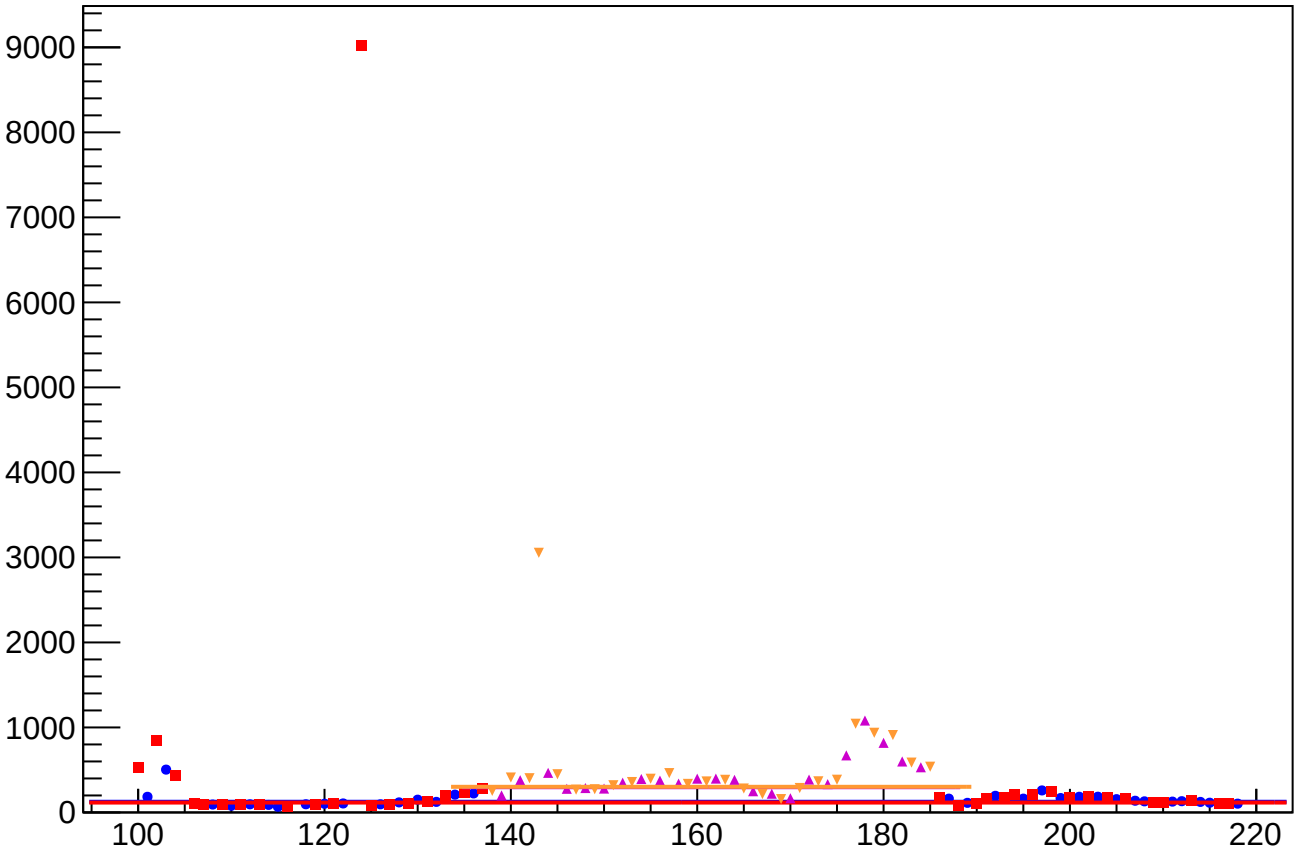
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: -0.001+/-0.021 χ^2/NDF: 74.8/67

In: 0.038+/-0.028 χ^2/NDF:52.5/54

Out: -0.022+/-0.027 χ^2/NDF:74.8/60

All: 0.006+/-0.019 χ^2/NDF: 129.8/115



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: 116.393+/-0.020 χ^2/NDF: 5552118.1/35

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

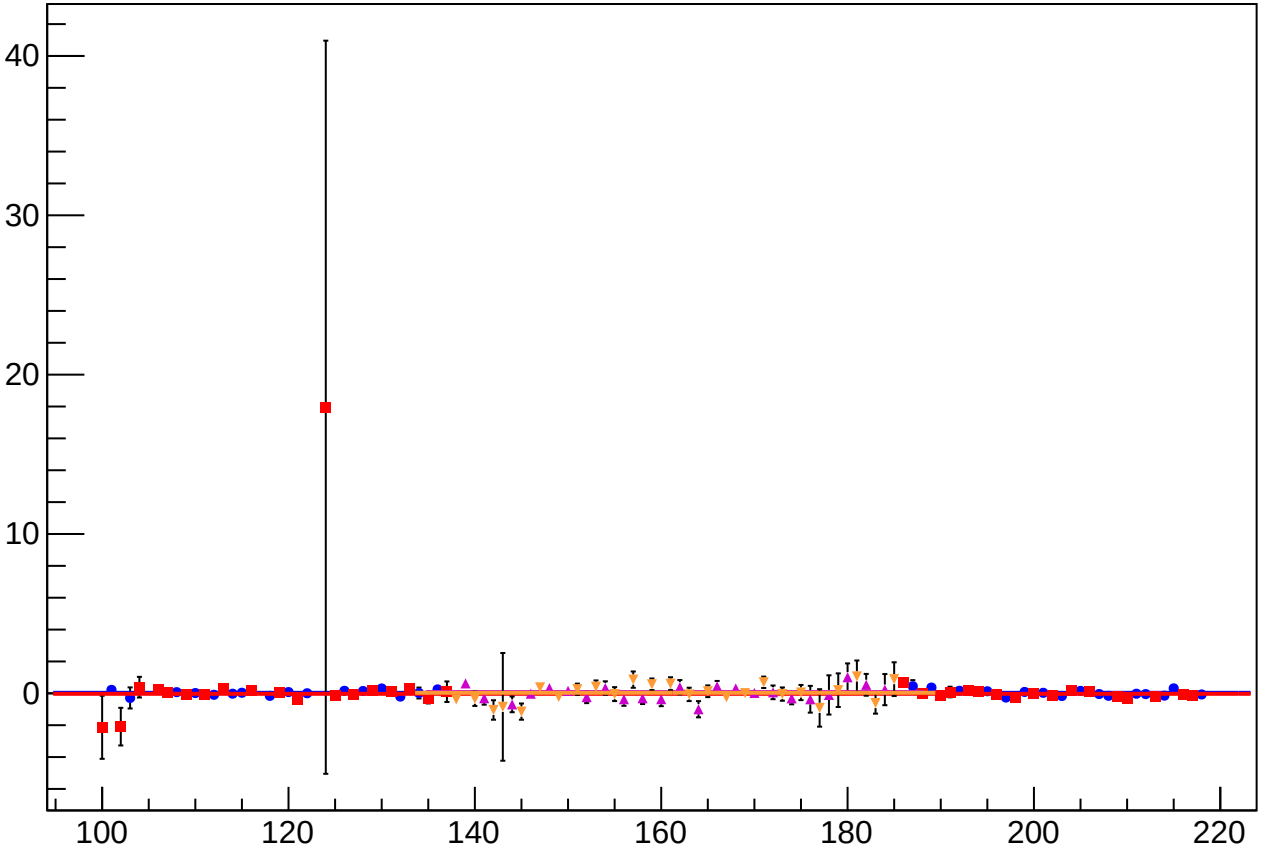
Right: 120.834+/-0.015 χ^2/NDF: 9220688.3/67

In: 149.065+/-0.020 χ^2/NDF:17301908.7/54

Out: 138.775+/-0.019 χ^2/NDF:22451999.7/60

All: 143.692+/-0.014 χ^2/NDF: 39895488.2/11

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: -0.030+/-0.029 χ^2/NDF: 44.5/35

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

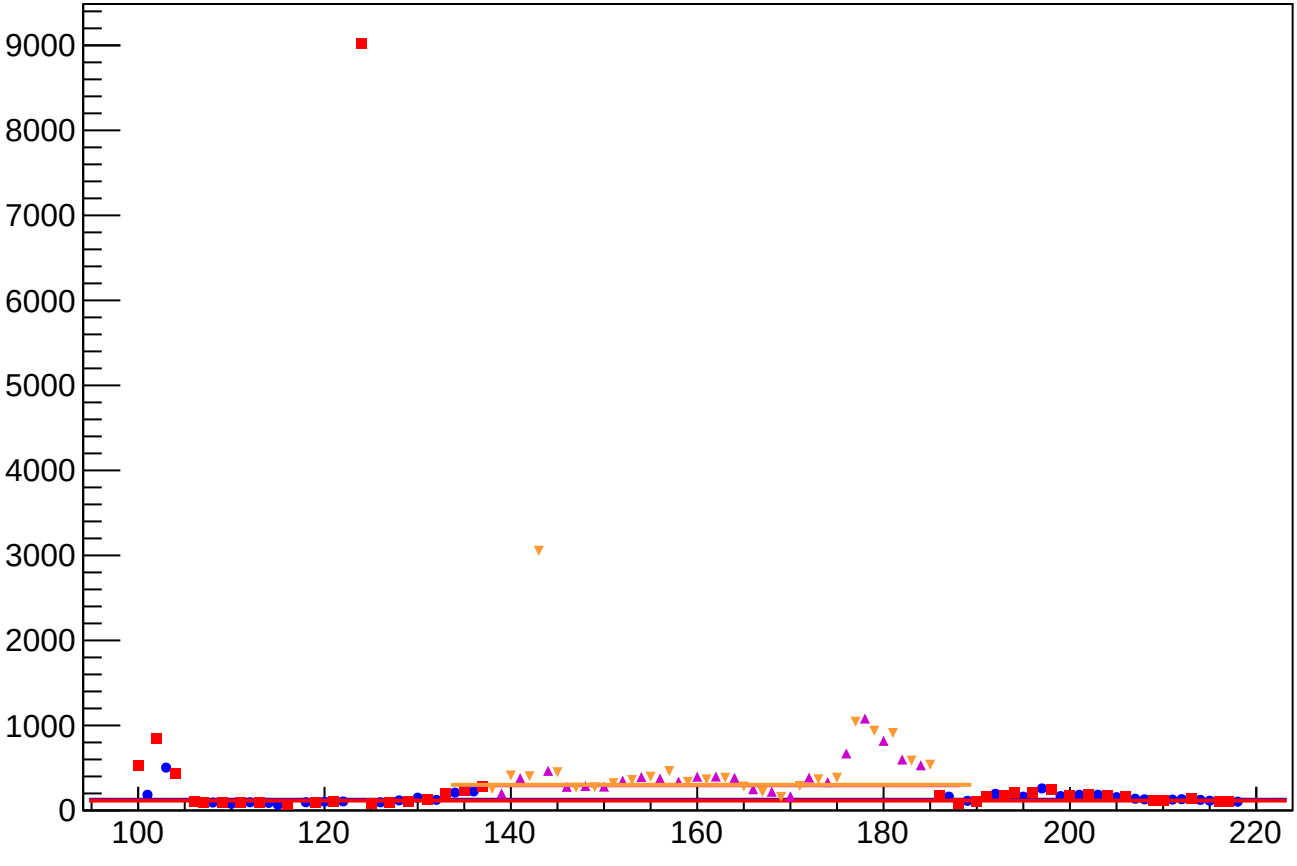
Right: -0.001+/-0.021 χ^2/NDF: 74.8/67

In: 0.038+/-0.028 χ^2/NDF:52.5/54

Out: -0.022+/-0.027 χ^2/NDF:74.8/60

All: 0.006+/-0.019 χ^2/NDF: 129.8/115

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: 116.393+/-0.020 χ^2/NDF: 5552118.1/35

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

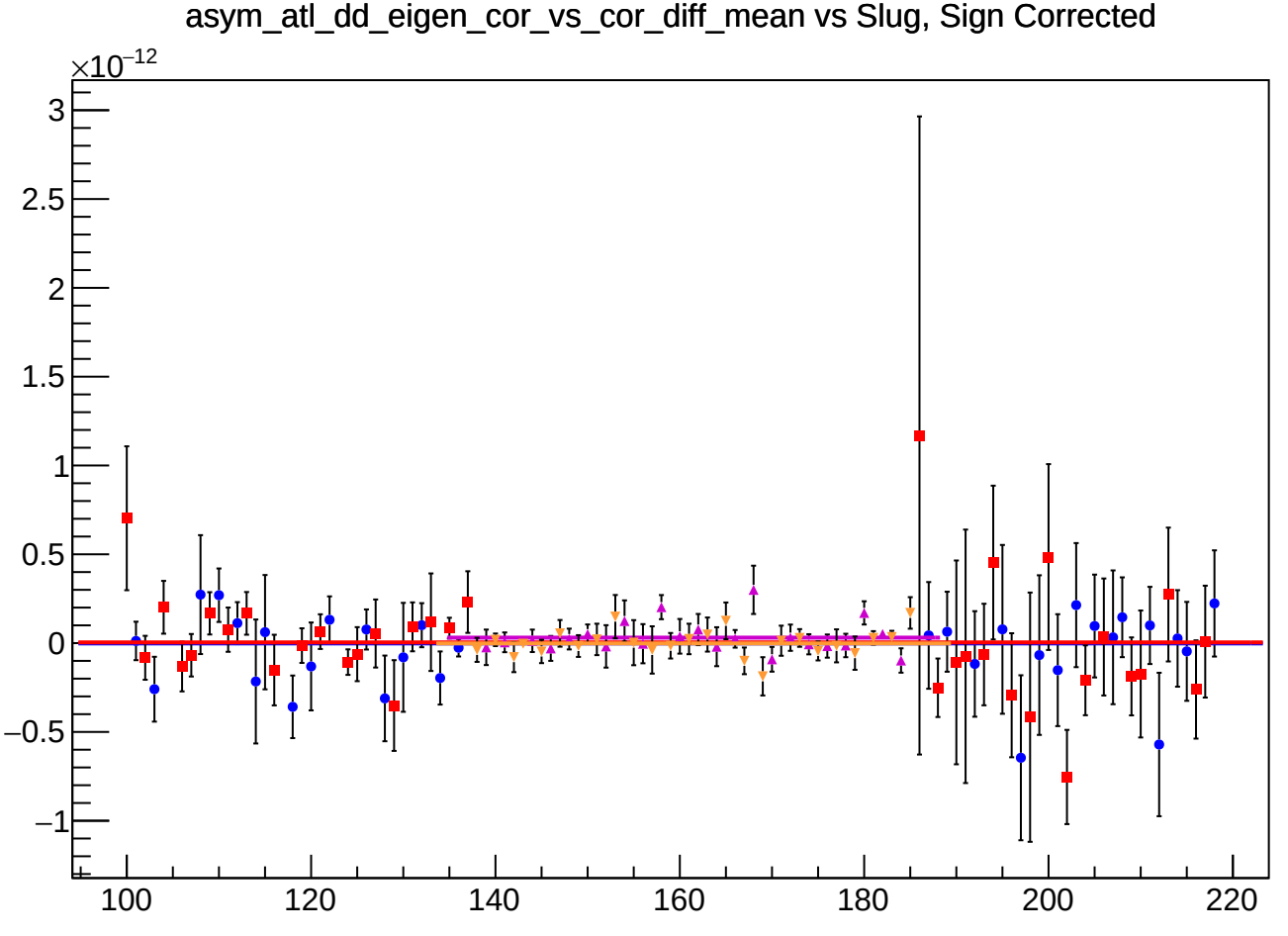
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 120.834+/-0.015 χ^2/NDF: 9220688.3/67

In: 149.065+/-0.020 χ^2/NDF:17301908.7/54

Out: 138.775+/-0.019 χ^2/NDF:22451999.7/60

All: 143.692+/-0.014 χ^2/NDF: 39895488.2/11



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: 38.2/35

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

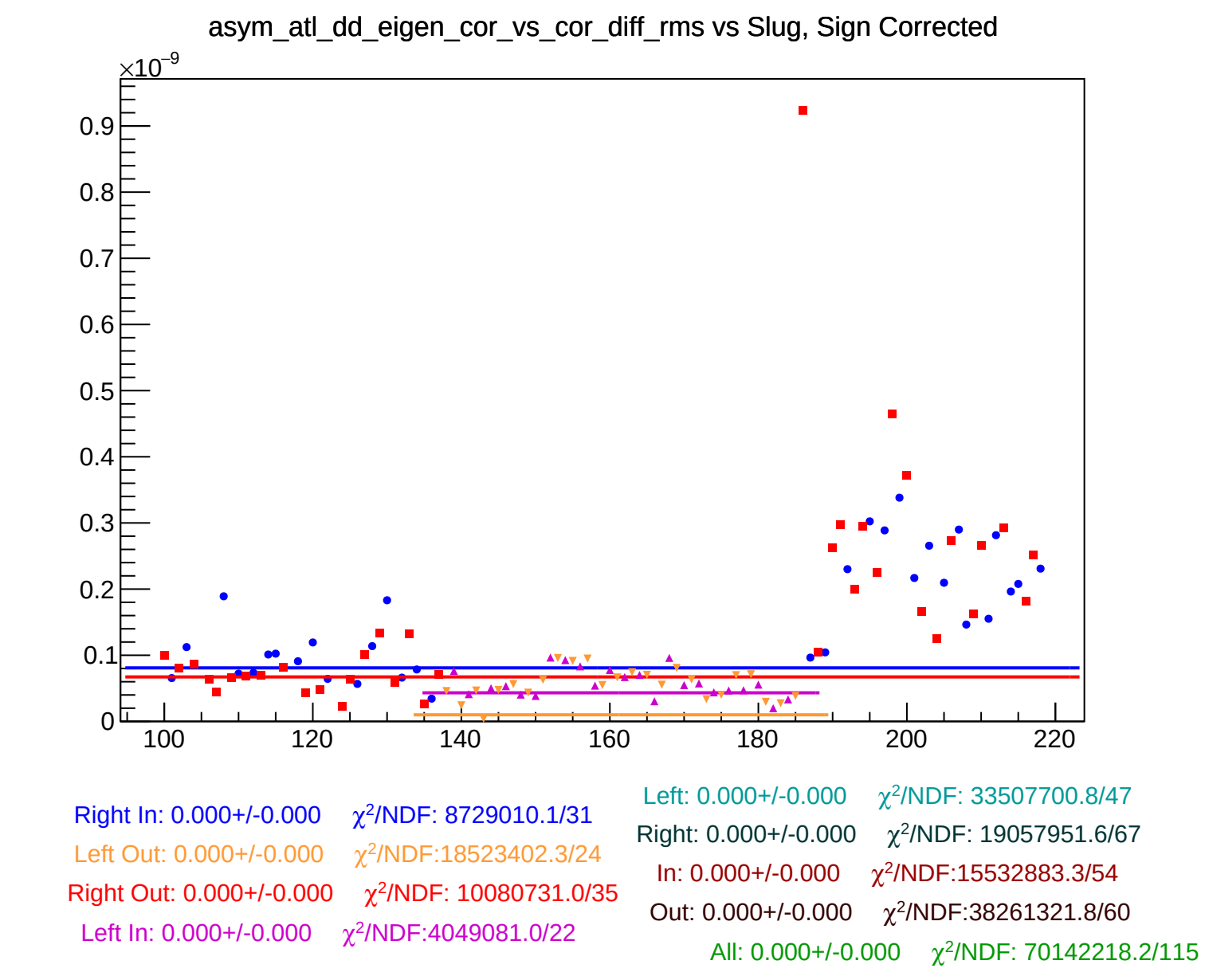
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 61.9/67

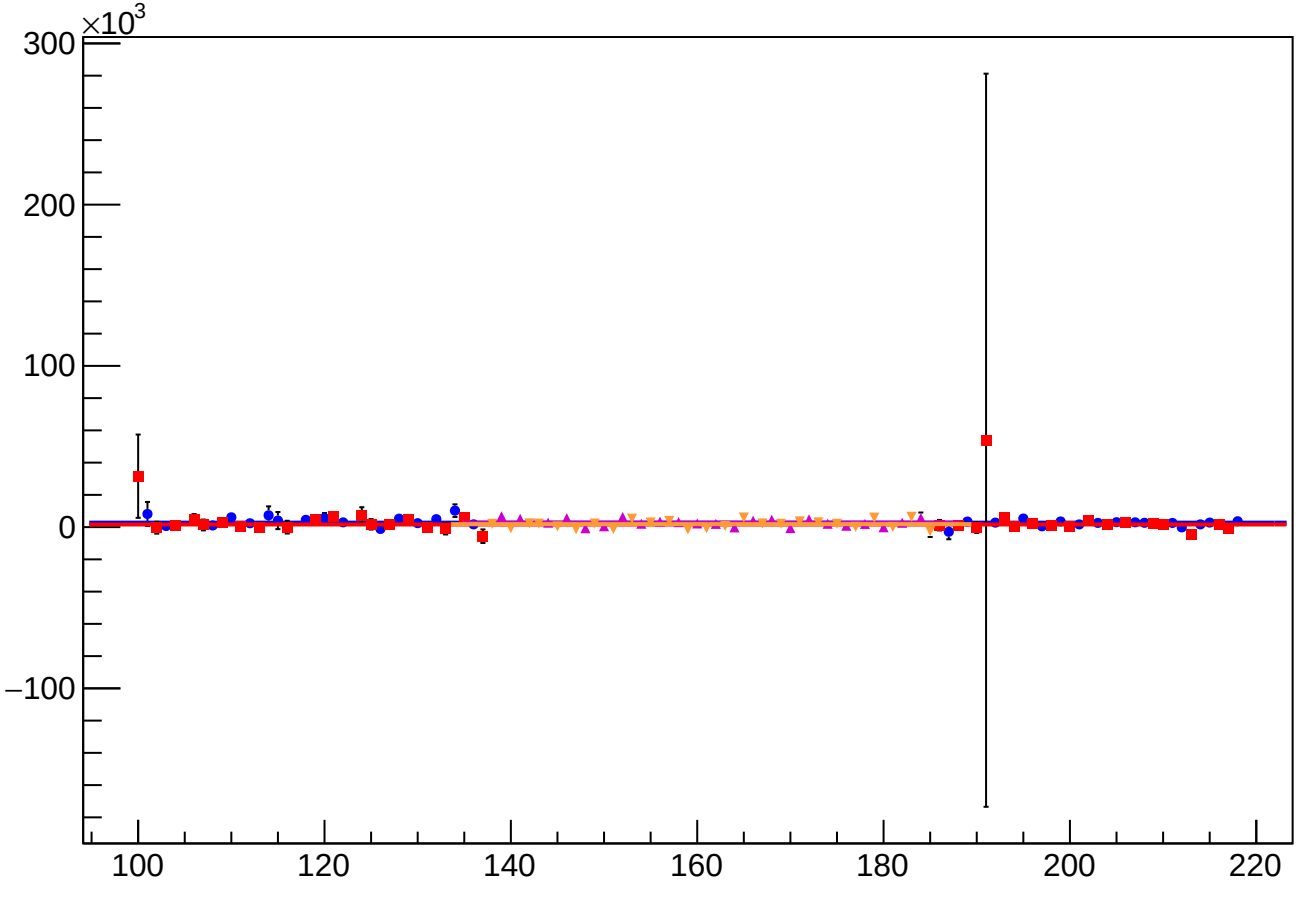
In: 0.000+/-0.000 χ^2/NDF:51.1/54

Out: -0.000+/-0.000 χ^2/NDF:55.9/60

All: 0.000+/-0.000 χ^2/NDF: 111.2/115


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8729010.1/31
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 10080731.0/35
Left In: 0.000+/-0.000 χ²/NDF:4049081.0/22
Left: 0.000+/-0.000 χ²/NDF: 33507700.8/47
Right: 0.000+/-0.000 χ²/NDF: 19057951.6/67
In: 0.000+/-0.000 χ²/NDF:15532883.3/54
Out: 0.000+/-0.000 χ²/NDF:38261321.8/60
All: 0.000+/-0.000 χ²/NDF: 70142218.2/115

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: 1635.790+/-436.085 χ^2/NDF: 34.0/35

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

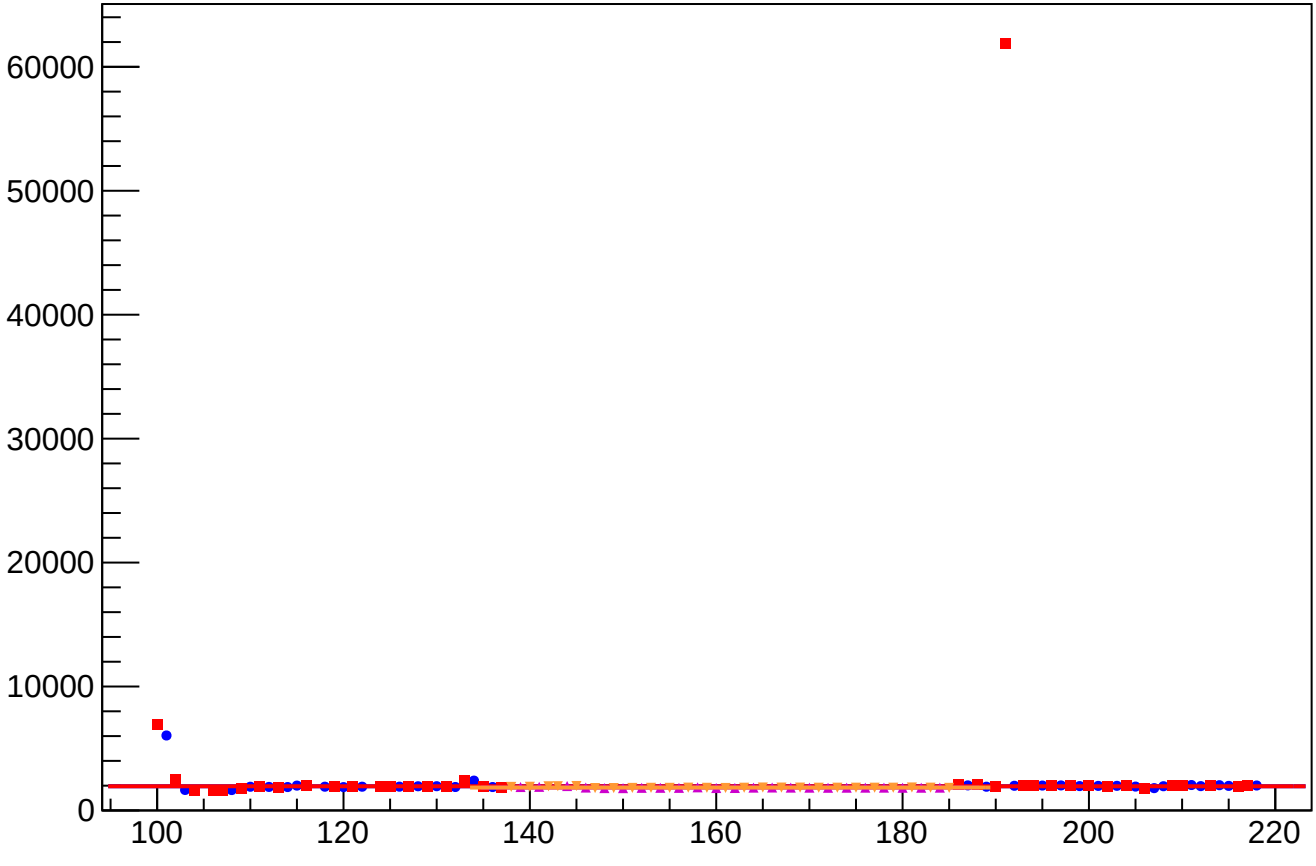
Right: 2204.918+/-309.186 χ^2/NDF: 56.1/67

In: 2777.942+/-307.310 χ^2/NDF:44.1/54

Out: 1747.954+/-302.514 χ^2/NDF:65.7/60

All: 2254.848+/-215.585 χ^2/NDF: 115.5/115

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: 1951.848+/-0.308 χ^2/NDF: 427355.6/35

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

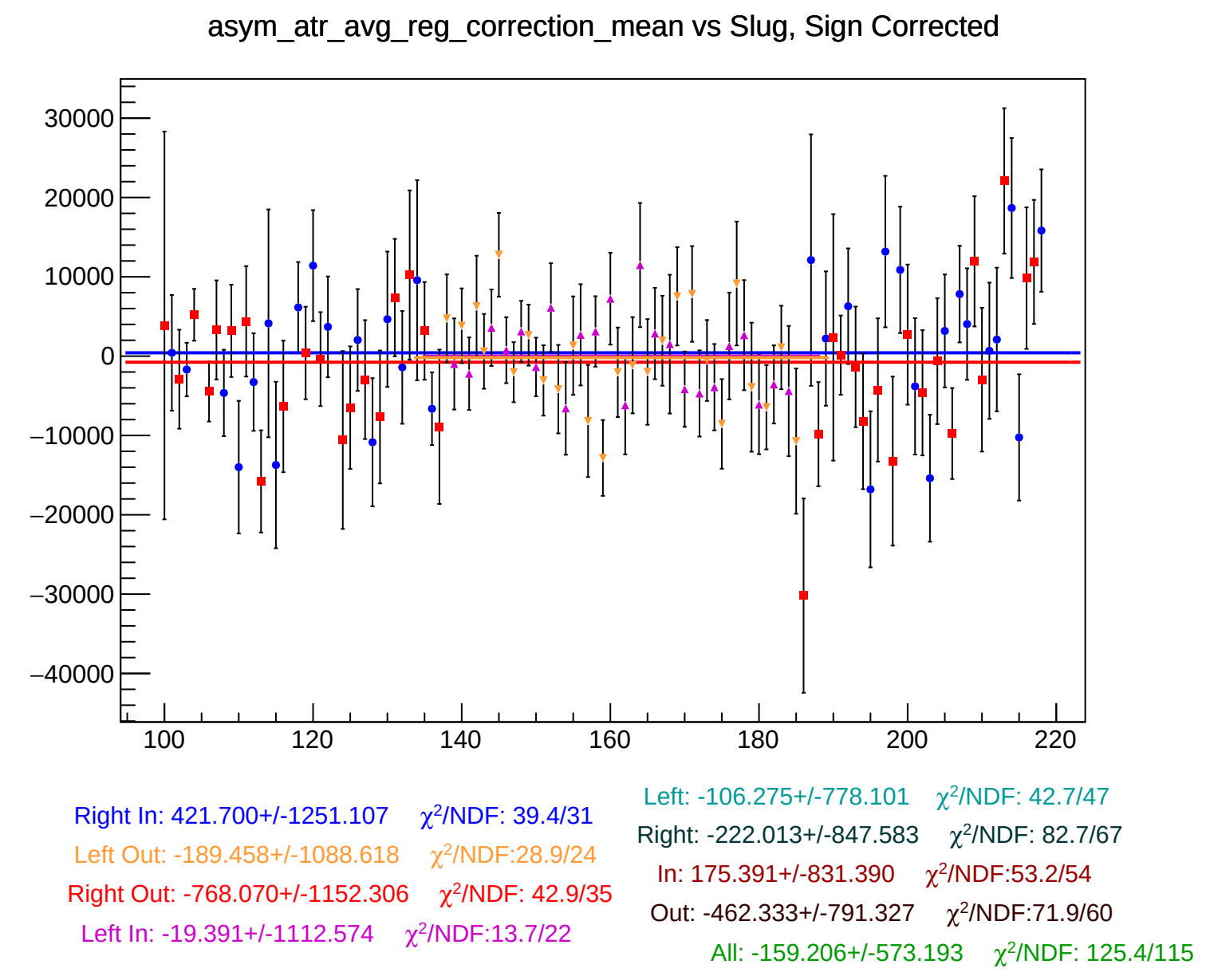
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

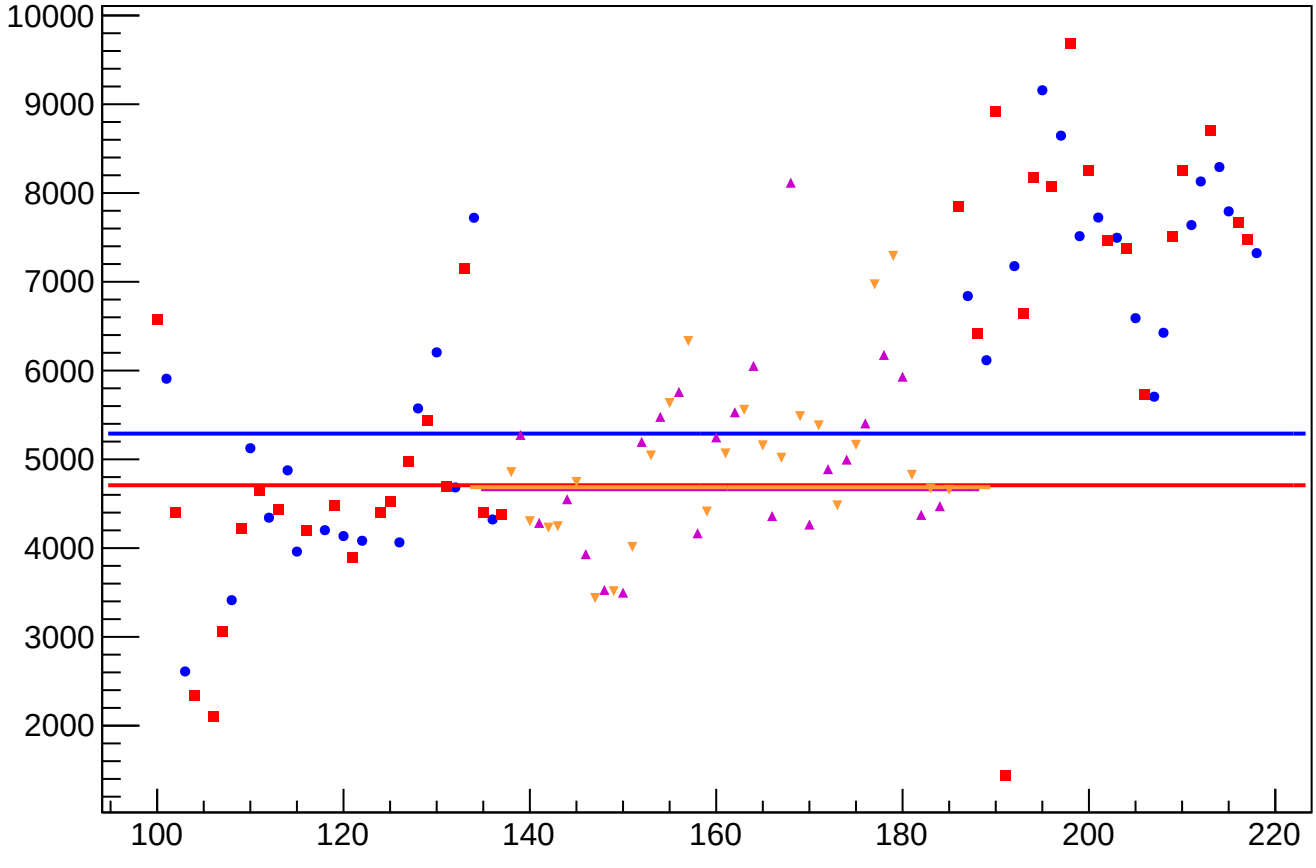
Right: 1952.443+/-0.218 χ^2/NDF: 1156069.7/67

In: 1898.114+/-0.217 χ^2/NDF:804450.9/54

Out: 1898.312+/-0.214 χ^2/NDF:506569.7/60

All: 1898.215+/-0.152 χ^2/NDF: 1311021.1/11


asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 421.700+/-1251.107 χ²/NDF: 39.4/31
Left Out: -189.458+/-1088.618 χ²/NDF:28.9/24
Right Out: -768.070+/-1152.306 χ²/NDF: 42.9/35
Left In: -19.391+/-1112.574 χ²/NDF:13.7/22
Left: -106.275+/-778.101 χ²/NDF: 42.7/47
Right: -222.013+/-847.583 χ²/NDF: 82.7/67
In: 175.391+/-831.390 χ²/NDF:53.2/54
Out: -462.333+/-791.327 χ²/NDF:71.9/60
All: -159.206+/-573.193 χ²/NDF: 125.4/115



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: 4708.109+/-0.815 χ^2/NDF: 7042813.5/35

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

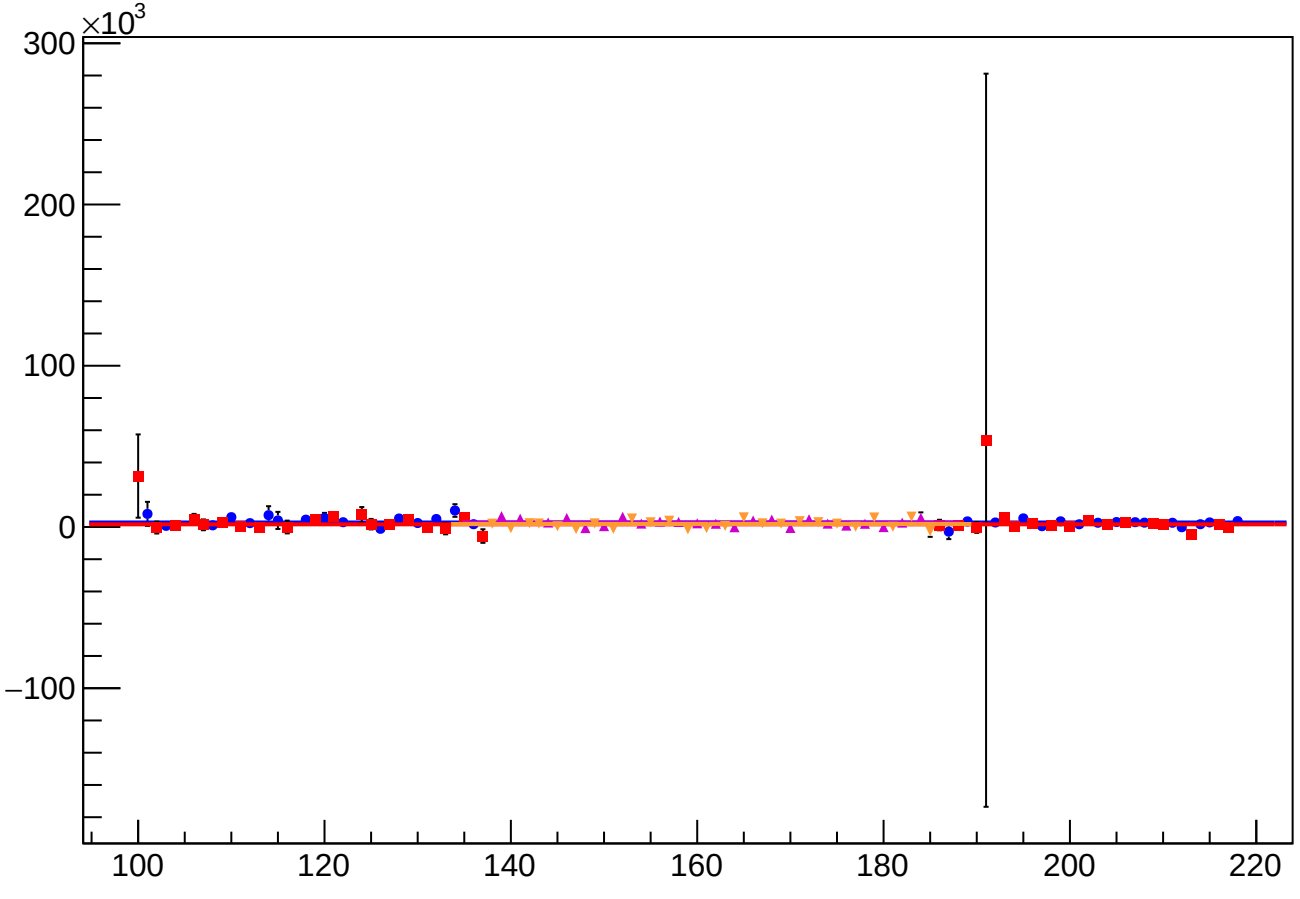
Right: 4975.143+/-0.599 χ^2/NDF: 11587475.9/67

In: 4940.001+/-0.588 χ^2/NDF:5877562.3/54

Out: 4696.614+/-0.560 χ^2/NDF:8228253.9/60

All: 4812.302+/-0.405 χ^2/NDF: 14195746.3/1

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: 1636.227+/-436.086 χ^2/NDF: 34.1/35

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

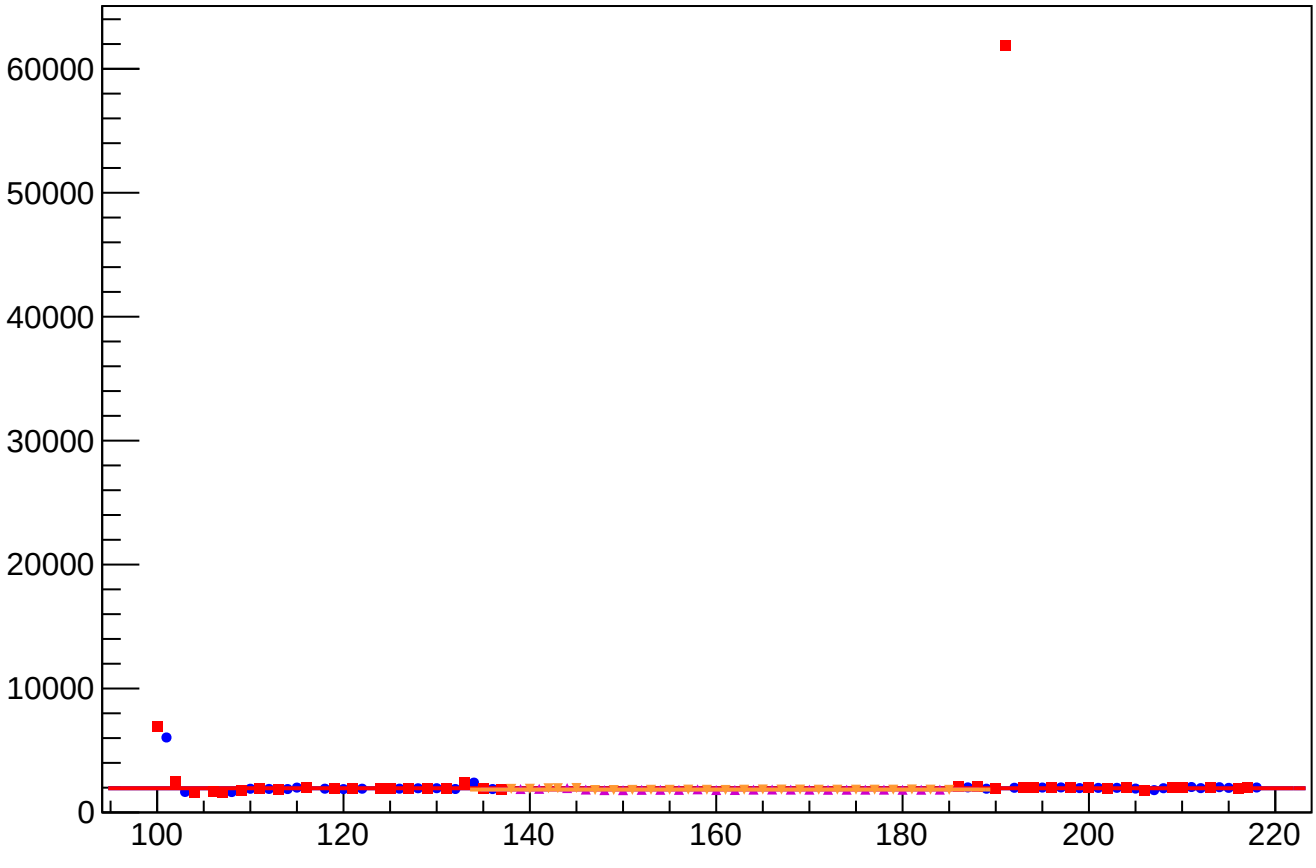
Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

Right: 2205.013+/-309.186 χ^2/NDF: 56.1/67

In: 2777.806+/-307.310 χ^2/NDF:44.1/54

Out: 1748.107+/-302.514 χ^2/NDF:65.7/60

All: 2254.859+/-215.586 χ^2/NDF: 115.5/115



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: 1953.437+/-0.308 χ^2/NDF: 418929.8/35

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

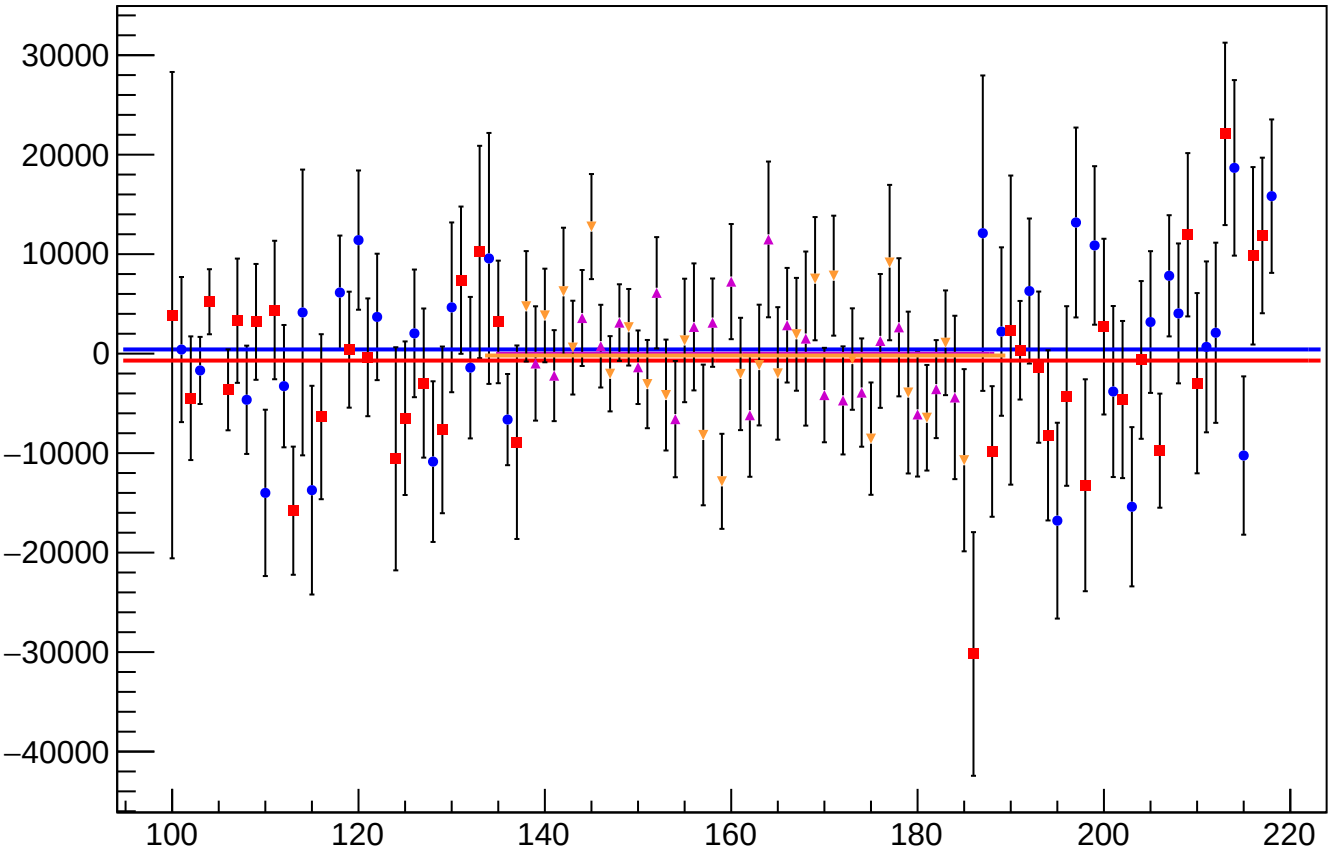
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1953.243+/-0.219 χ^2/NDF: 1147636.2/67

In: 1898.114+/-0.217 χ^2/NDF:804450.1/54

Out: 1899.041+/-0.214 χ^2/NDF:499908.0/60

All: 1898.585+/-0.152 χ^2/NDF: 1304367.4/11



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: -696.671+/-1158.995 χ^2/NDF: 42.7/35

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

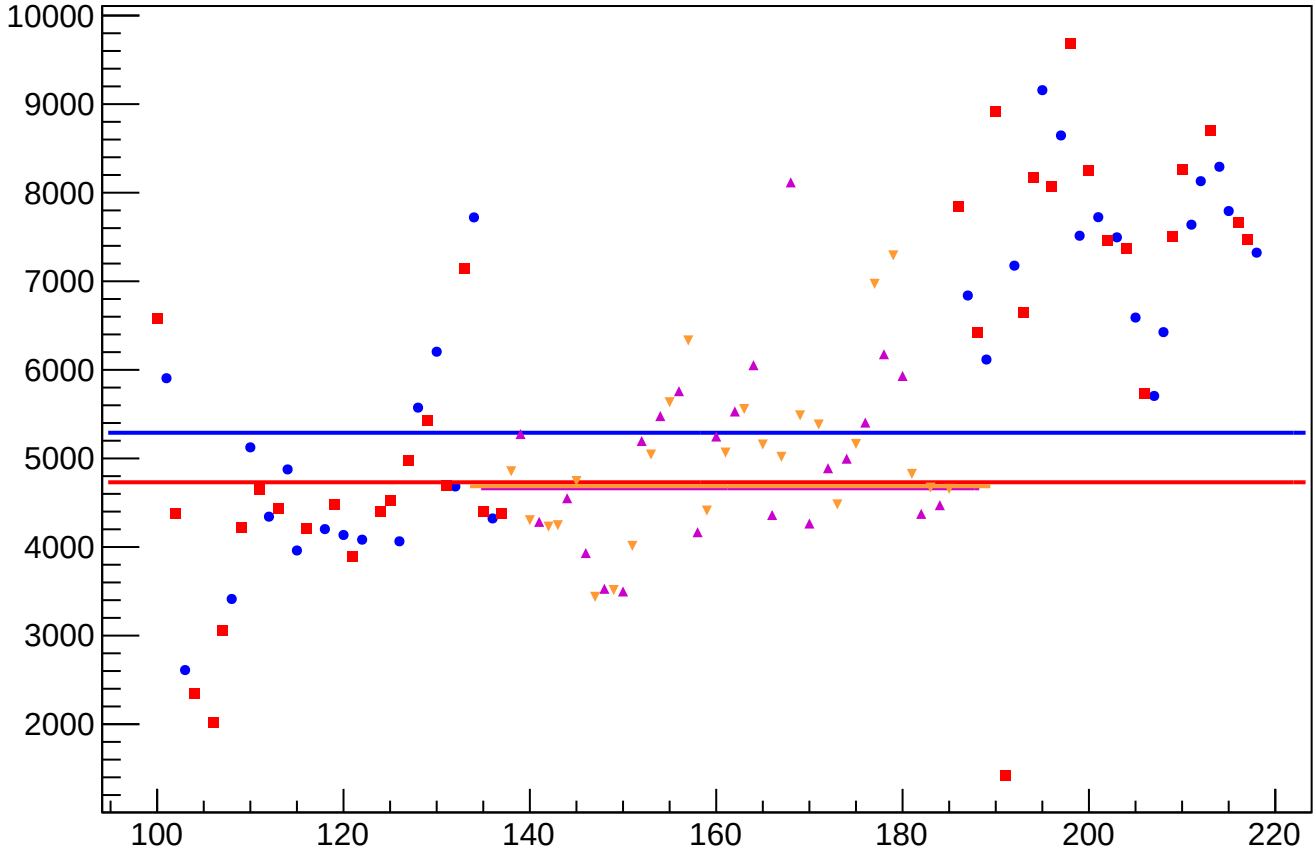
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -180.253+/-850.235 χ^2/NDF: 82.5/67

In: 175.286+/-831.390 χ^2/NDF:53.2/54

Out: -427.214+/-793.483 χ^2/NDF:71.7/60

All: -140.012+/-574.011 χ^2/NDF: 125.2/115



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: 4730.914+/-0.820 χ^2/NDF: 6983280.7/35

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

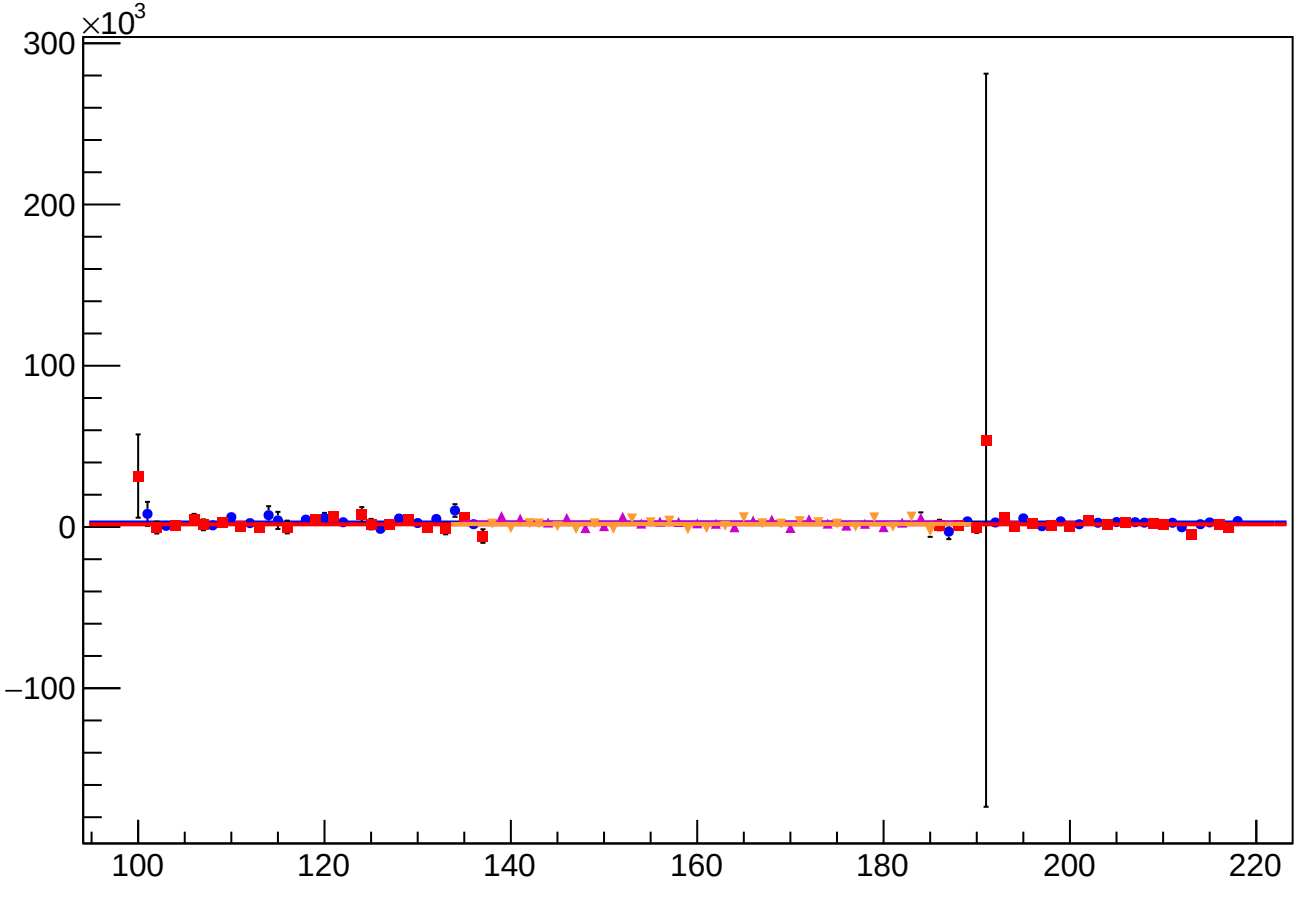
Right: 4989.116+/-0.601 χ^2/NDF: 11508175.4/67

In: 4940.028+/-0.588 χ^2/NDF:5876930.6/54

Out: 4707.236+/-0.561 χ^2/NDF:8169940.9/60

All: 4818.204+/-0.406 χ^2/NDF: 14128929.4/1

eigen_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: 1636.227+/-436.086 χ^2/NDF: 34.1/35

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

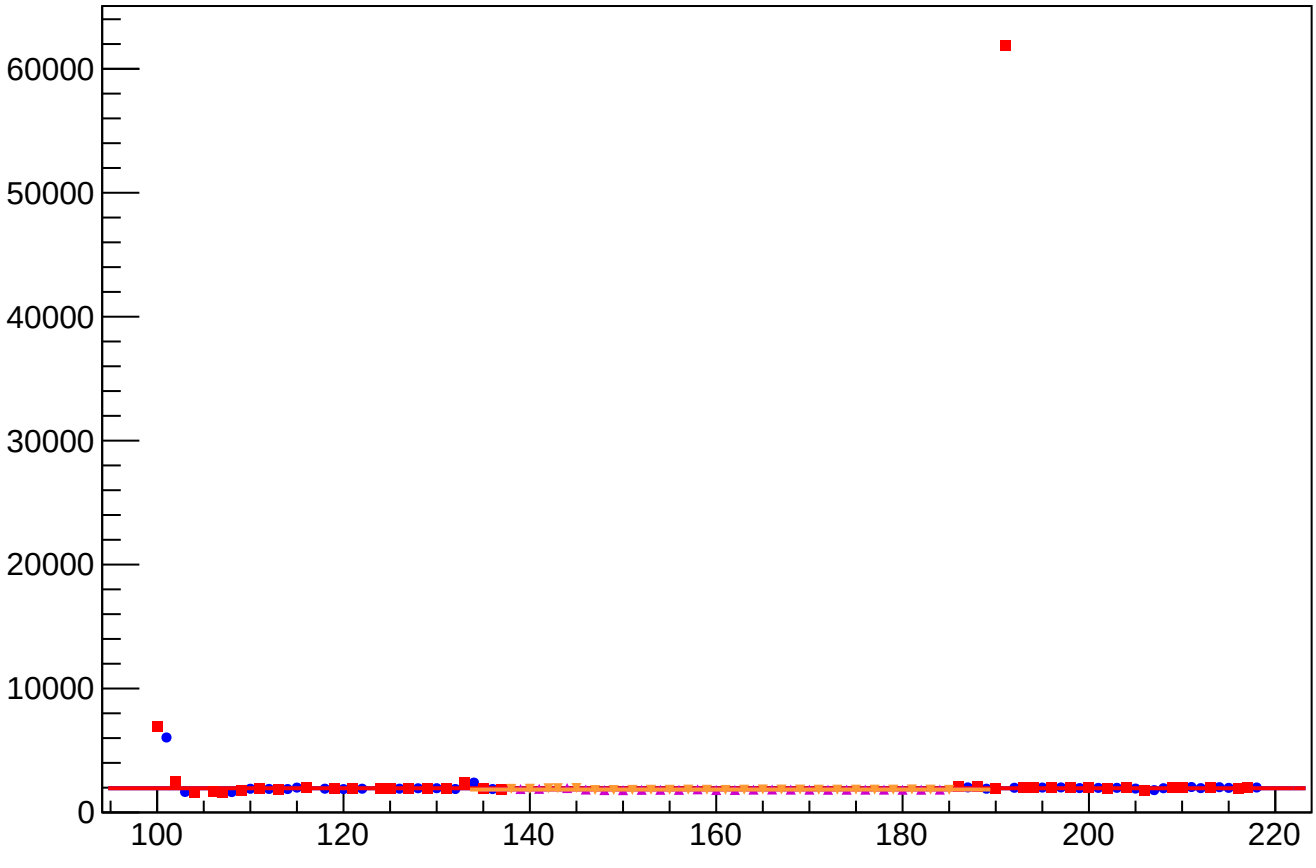
Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

Right: 2205.013+/-309.186 χ^2/NDF: 56.1/67

In: 2777.806+/-307.310 χ^2/NDF:44.1/54

Out: 1748.107+/-302.514 χ^2/NDF:65.7/60

All: 2254.859+/-215.586 χ^2/NDF: 115.5/115



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: 1953.437+/-0.308 χ^2/NDF: 418929.8/35

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

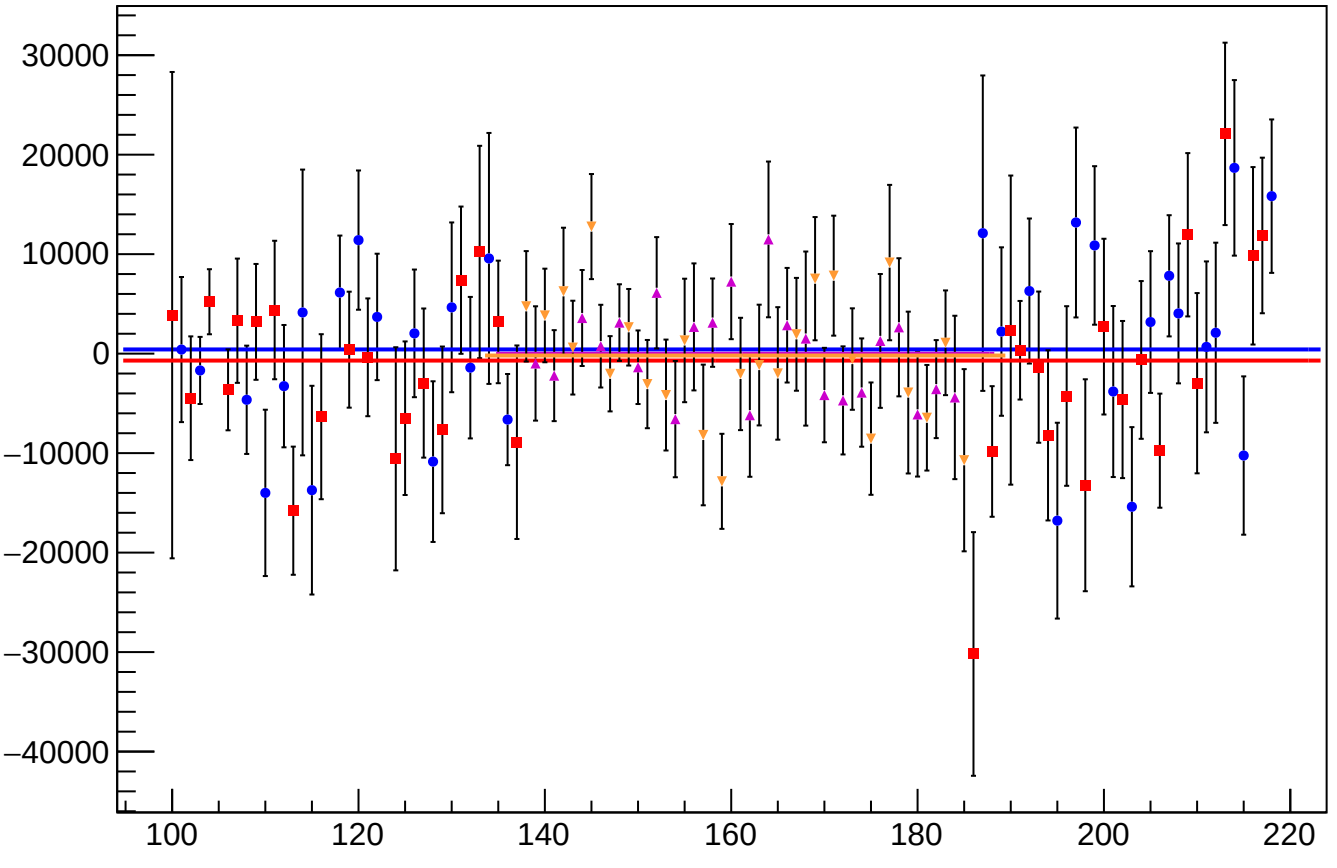
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1953.243+/-0.219 χ^2/NDF: 1147636.2/67

In: 1898.114+/-0.217 χ^2/NDF:804450.1/54

Out: 1899.041+/-0.214 χ^2/NDF:499908.0/60

All: 1898.585+/-0.152 χ^2/NDF: 1304367.4/11



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: -696.671+/-1158.995 χ^2/NDF: 42.7/35

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

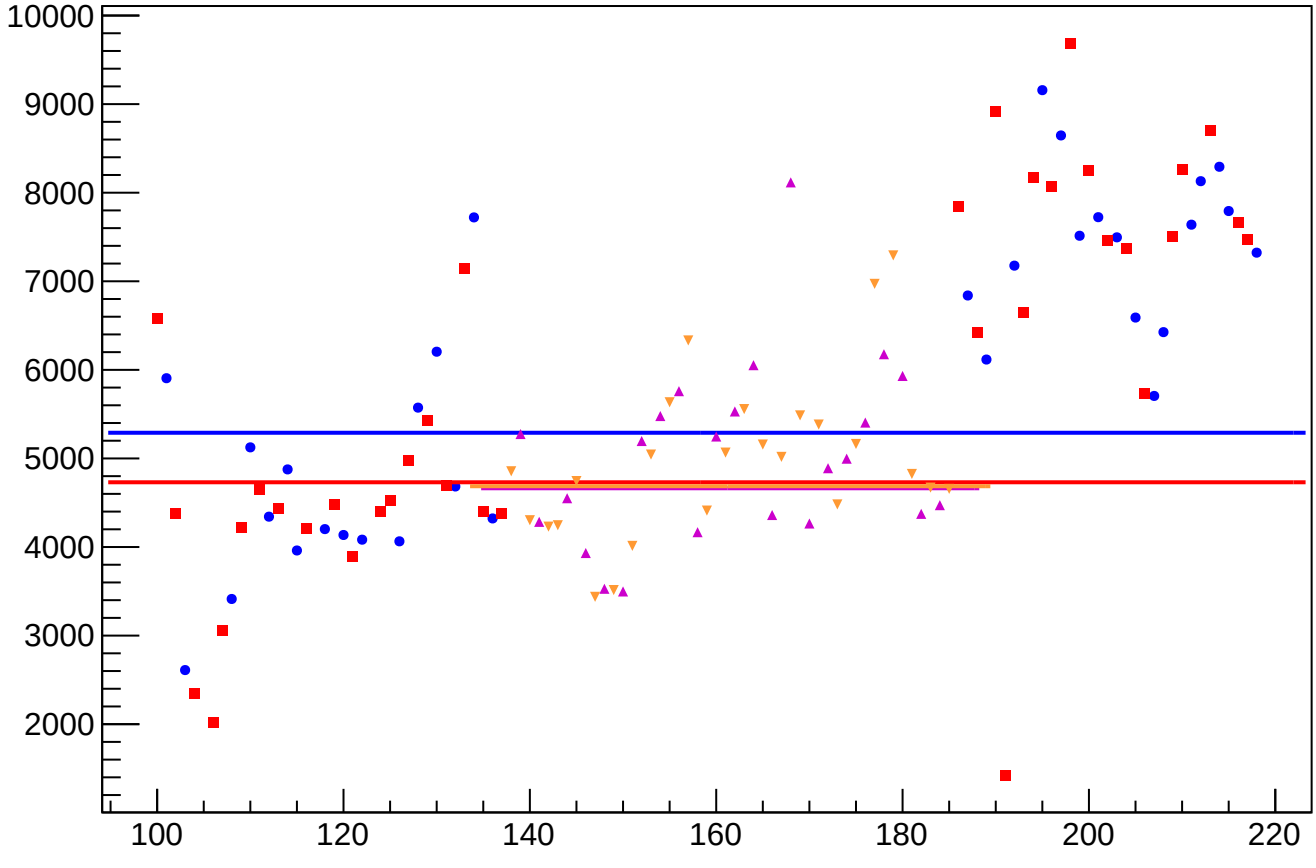
Right: -180.253+/-850.235 χ^2/NDF: 82.5/67

In: 175.286+/-831.390 χ^2/NDF:53.2/54

Out: -427.214+/-793.483 χ^2/NDF:71.7/60

All: -140.012+/-574.011 χ^2/NDF: 125.2/115

asym_atr_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 4730.914+/-0.820 χ^2/NDF: 6983280.7/35

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

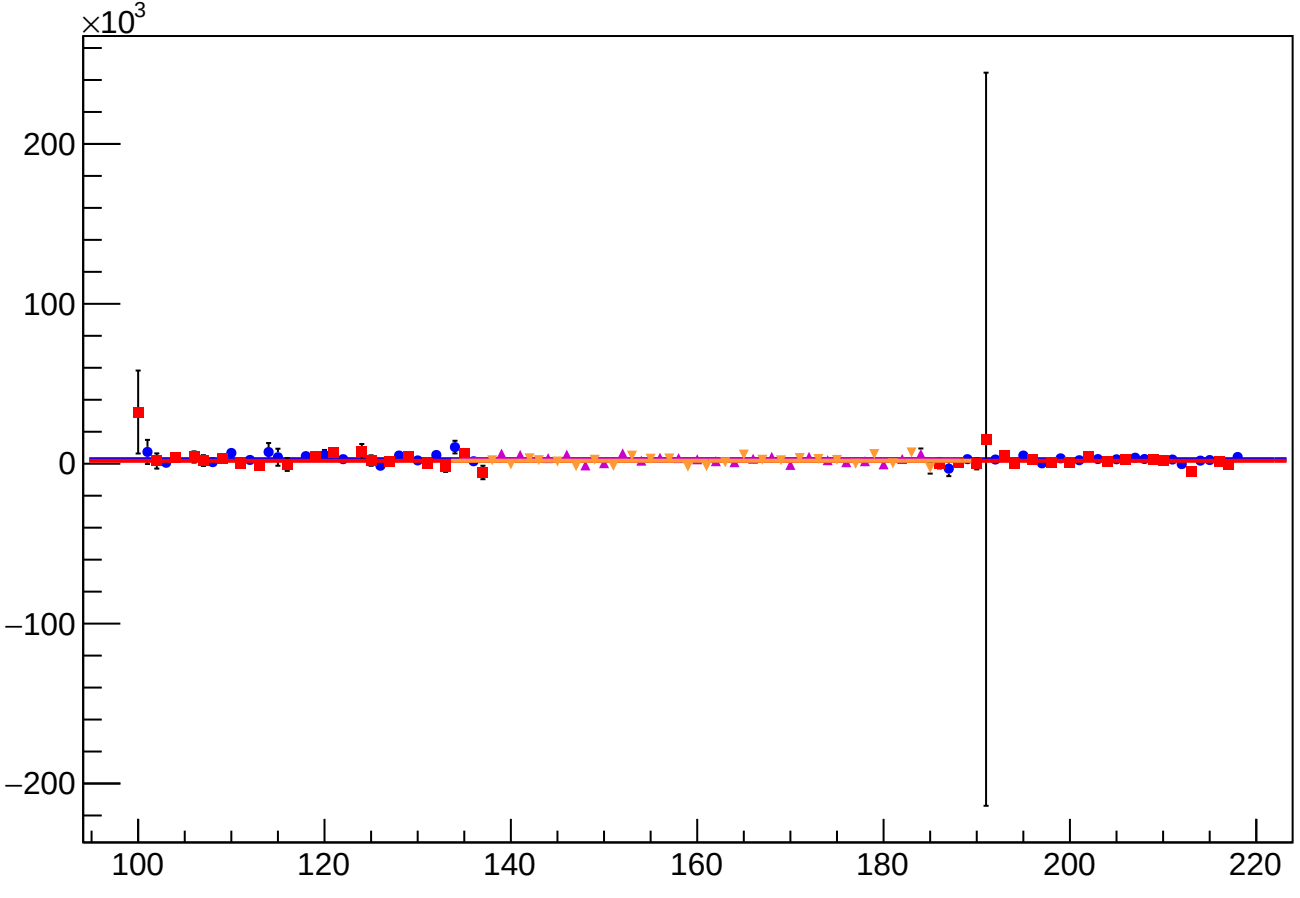
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4989.116+/-0.601 χ^2/NDF: 11508175.4/67

In: 4940.028+/-0.588 χ^2/NDF:5876930.6/54

Out: 4707.236+/-0.561 χ^2/NDF:8169940.9/60

All: 4818.204+/-0.406 χ^2/NDF: 14128929.4/



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: 1815.852+/-444.925 χ^2/NDF: 35.5/35

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

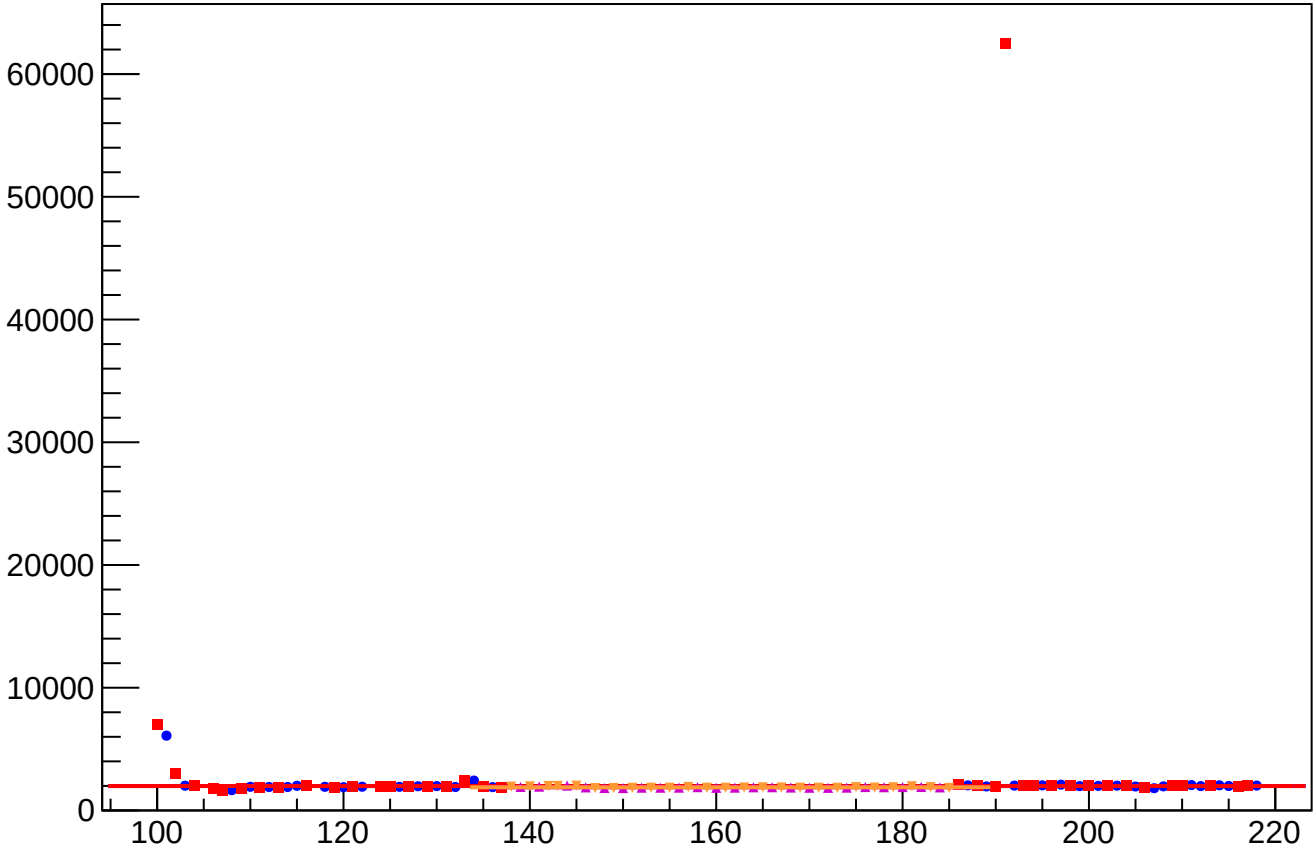
Right: 2323.743+/-315.071 χ^2/NDF: 57.6/67

In: 2816.243+/-313.030 χ^2/NDF:44.9/54

Out: 1849.576+/-308.818 χ^2/NDF:68.5/60

All: 2326.362+/-219.841 χ^2/NDF: 118.2/115

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: 1989.778+/-0.315 χ^2/NDF: 437092.4/35

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

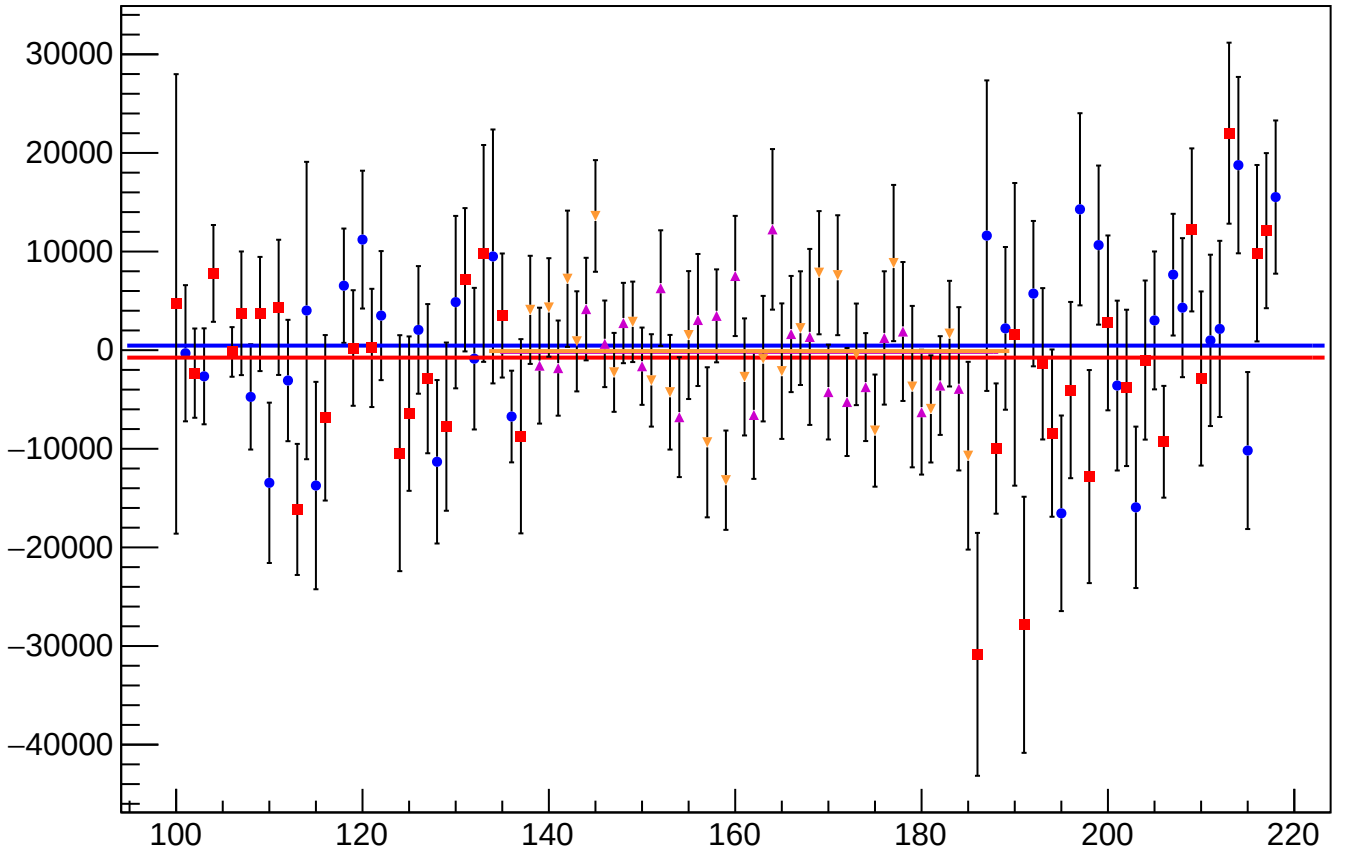
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

Right: 1989.081+/-0.223 χ^2/NDF: 1132876.6/67

In: 1933.625+/-0.221 χ^2/NDF:774099.1/54

Out: 1936.813+/-0.218 χ^2/NDF:523788.7/60

All: 1935.241+/-0.155 χ^2/NDF: 1297992.9/11



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: -754.885+/-1137.702 χ^2/NDF: 45.8/35

Left In: -177.137+/-1156.061 χ^2/NDF:13.5/22

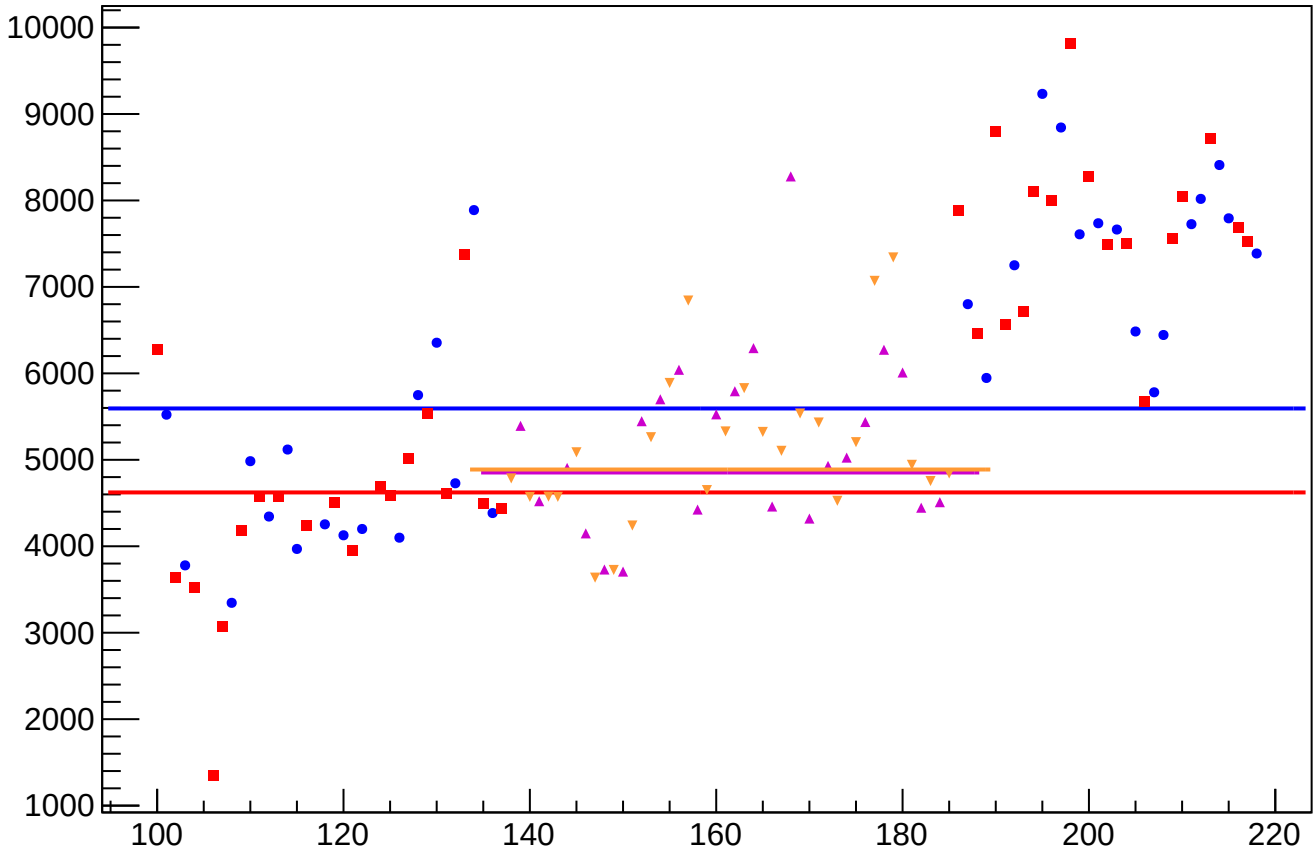
Left: -133.663+/-809.267 χ^2/NDF: 41.6/47

Right: -227.962+/-856.922 χ^2/NDF: 85.2/67

In: 104.845+/-864.685 χ^2/NDF:52.5/54

Out: -422.082+/-802.892 χ^2/NDF:74.1/60

All: -178.118+/-588.364 χ^2/NDF: 126.8/115



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: 4622.689+/-0.804 χ^2/NDF: 8022174.4/35

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

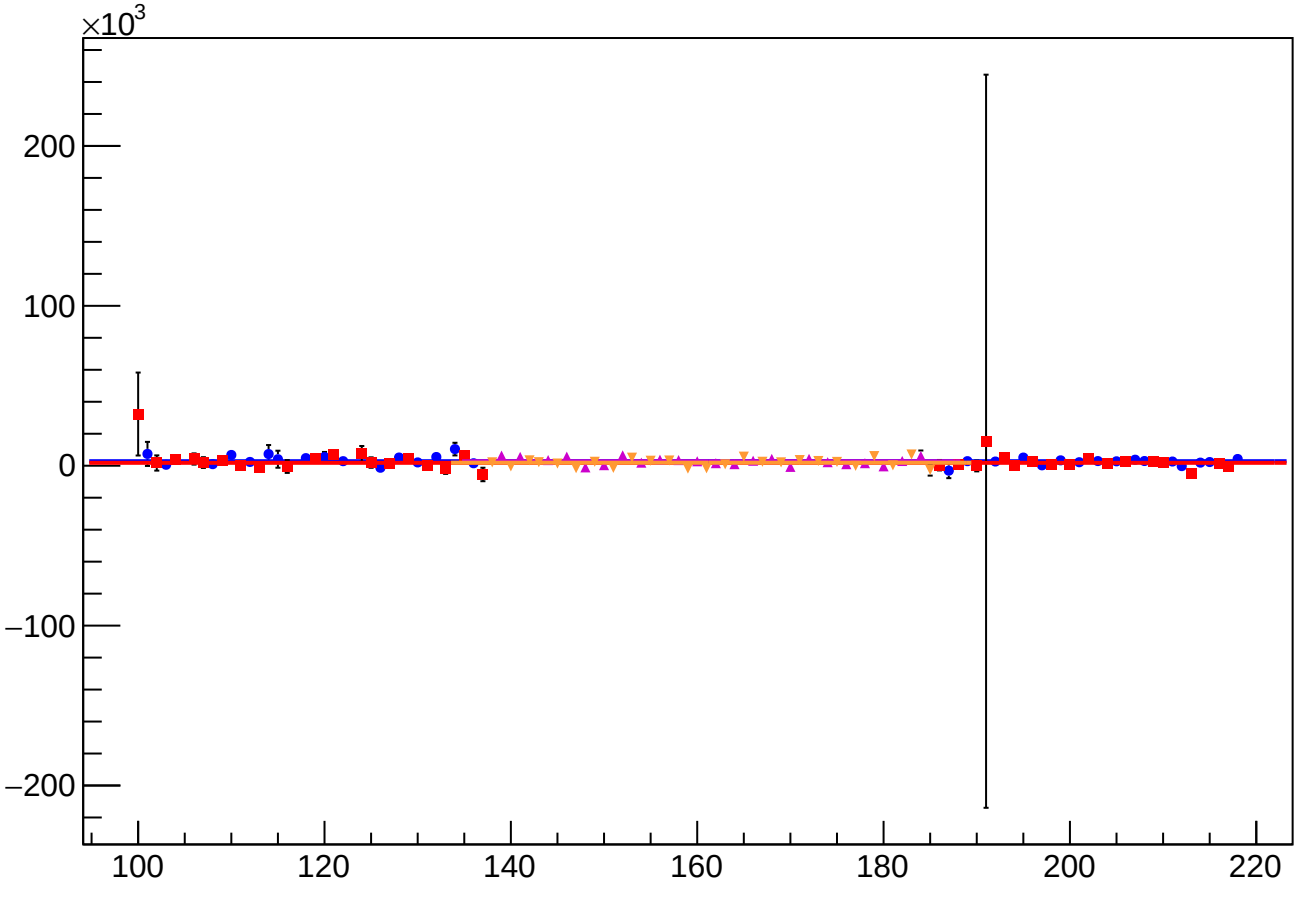
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 5042.965+/-0.606 χ^2/NDF: 11839311.7/67

In: 5179.662+/-0.611 χ^2/NDF:4726662.9/54

Out: 4755.778+/-0.568 χ^2/NDF:9139995.6/60

All: 4952.034+/-0.416 χ^2/NDF: 14124757.8/1



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: 1815.854+/-444.925 χ^2/NDF: 35.5/35

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

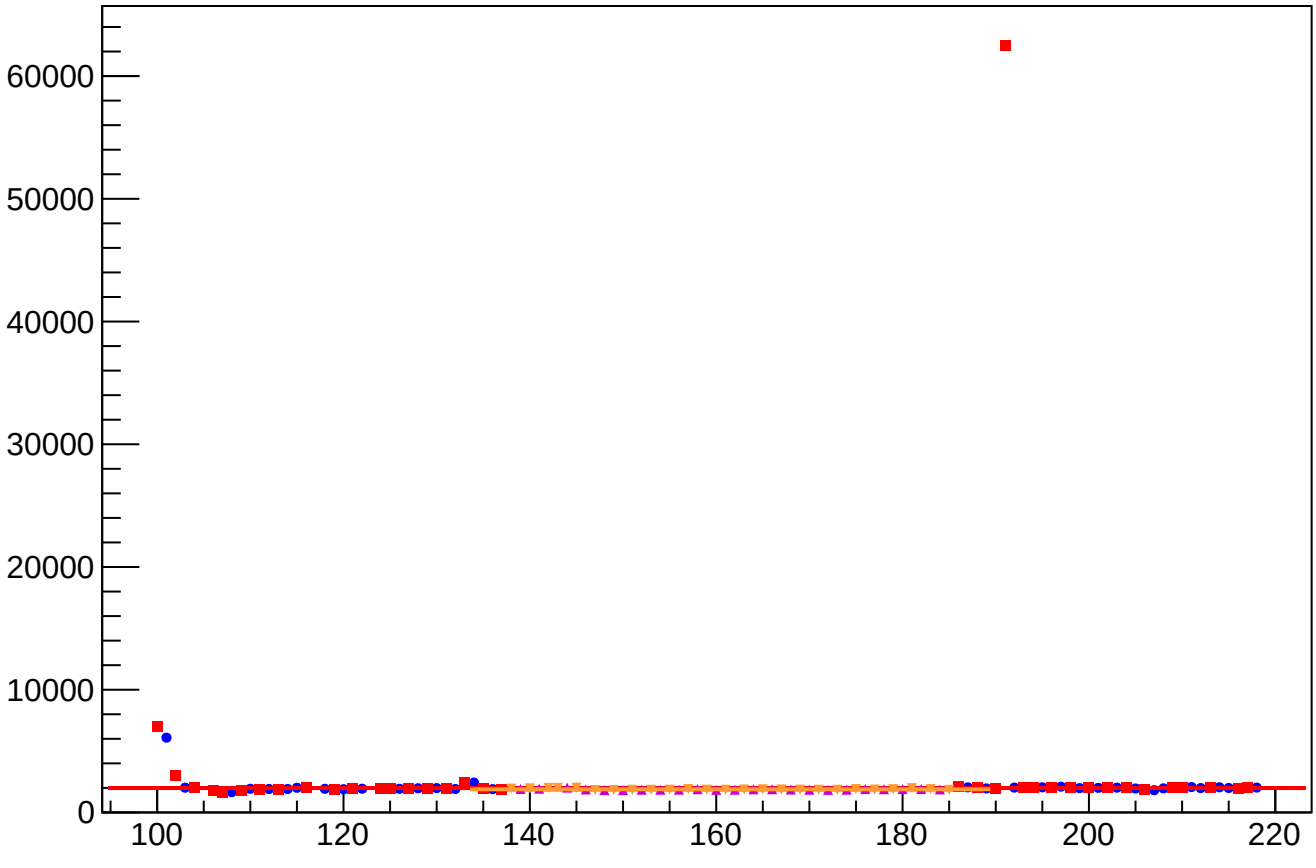
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2323.742+/-315.071 χ^2/NDF: 57.6/67

In: 2816.241+/-313.030 χ^2/NDF:44.9/54

Out: 1849.574+/-308.818 χ^2/NDF:68.5/60

All: 2326.360+/-219.841 χ^2/NDF: 118.2/115



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: 1989.777+/-0.315 χ^2/NDF: 437091.9/35

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

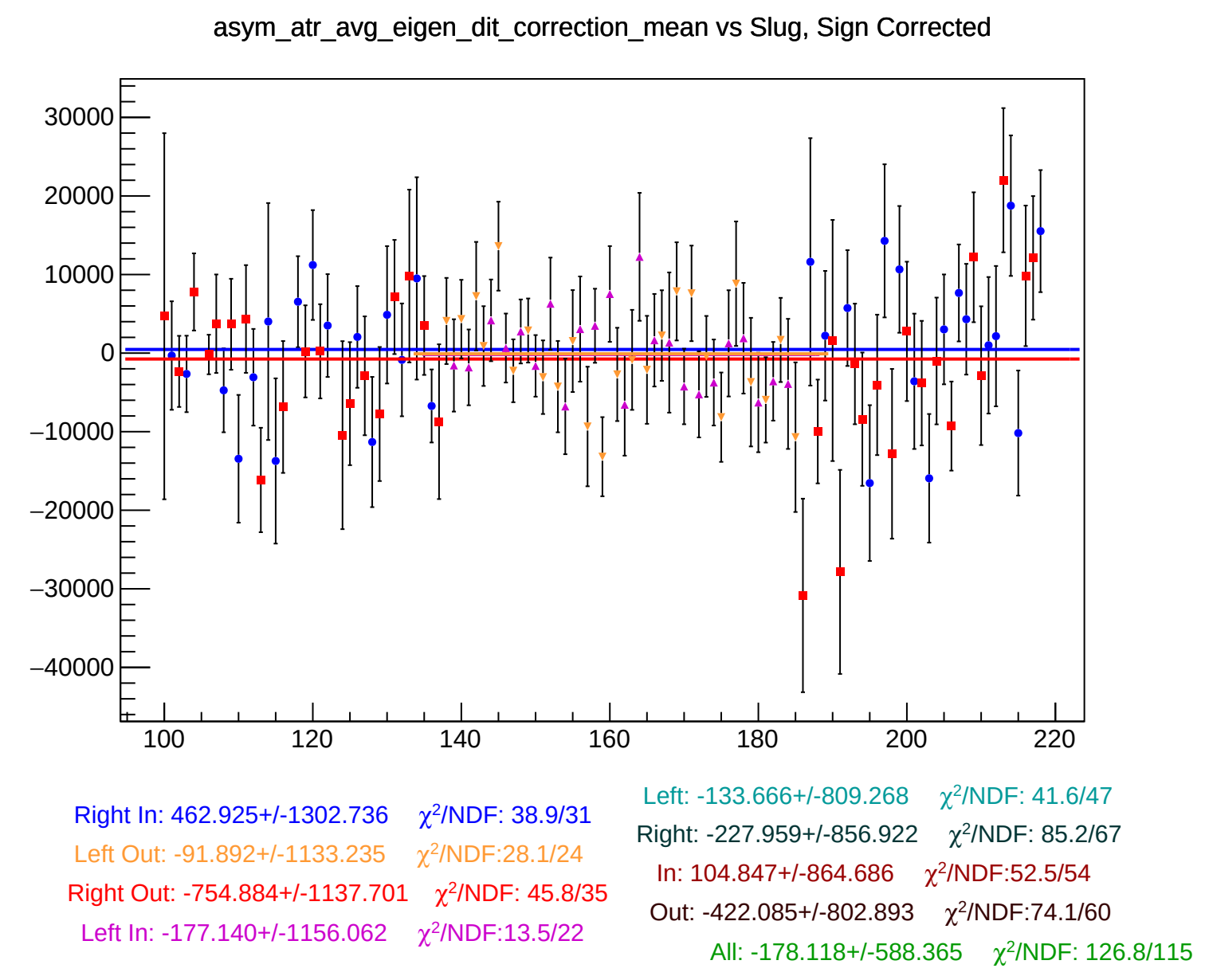
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

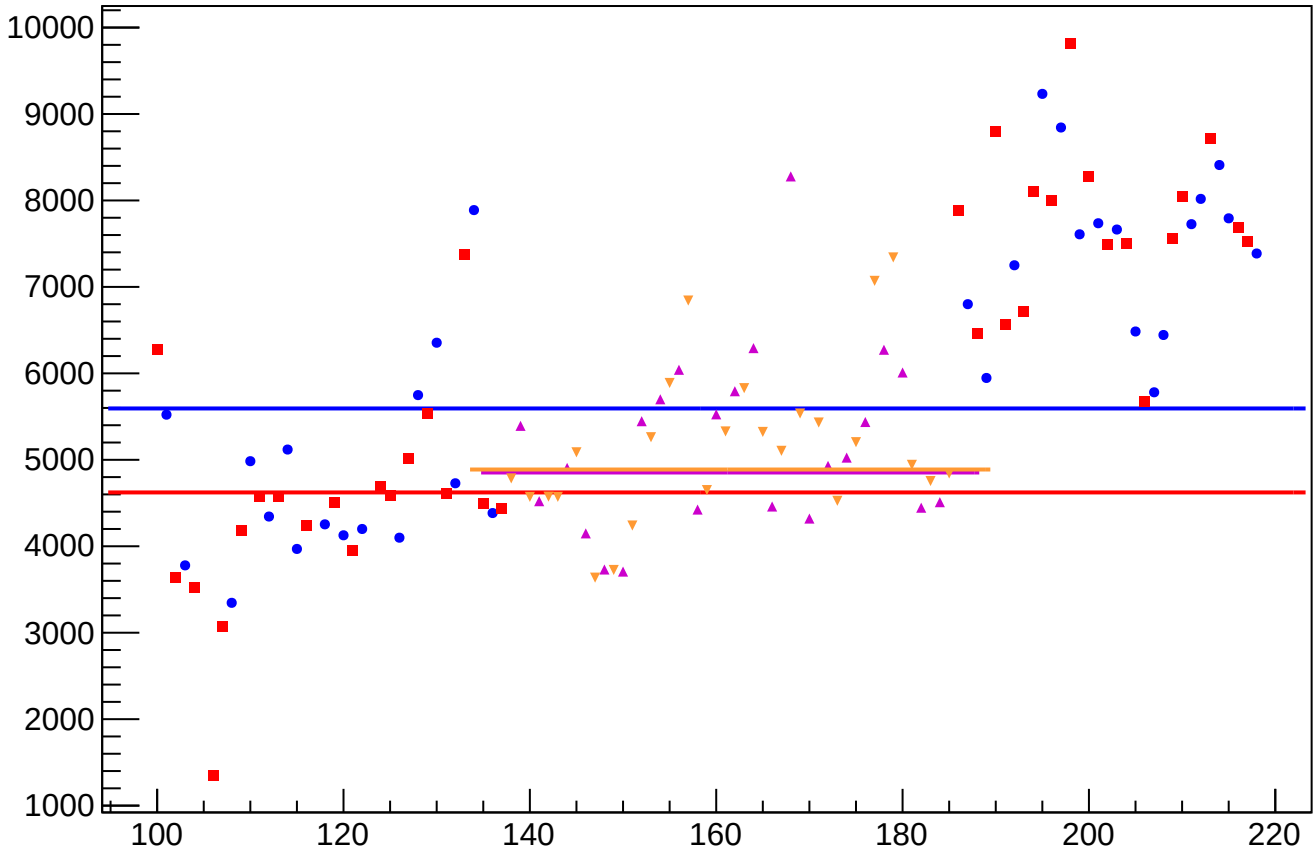
Right: 1989.081+/-0.223 χ^2/NDF: 1132876.3/67

In: 1933.625+/-0.221 χ^2/NDF:774098.3/54

Out: 1936.813+/-0.218 χ^2/NDF:523787.4/60

All: 1935.241+/-0.155 χ^2/NDF: 1297990.9/11


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 462.925+/-1302.736 χ²/NDF: 38.9/31
Left Out: -91.892+/-1133.235 χ²/NDF:28.1/24
Right Out: -754.884+/-1137.701 χ²/NDF: 45.8/35
Left In: -177.140+/-1156.062 χ²/NDF:13.5/22
Left: -133.666+/-809.268 χ²/NDF: 41.6/47
Right: -227.959+/-856.922 χ²/NDF: 85.2/67
In: 104.847+/-864.686 χ²/NDF:52.5/54
Out: -422.085+/-802.893 χ²/NDF:74.1/60
All: -178.118+/-588.365 χ²/NDF: 126.8/115



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: 4622.681+/-0.804 χ^2/NDF: 8022222.9/35

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

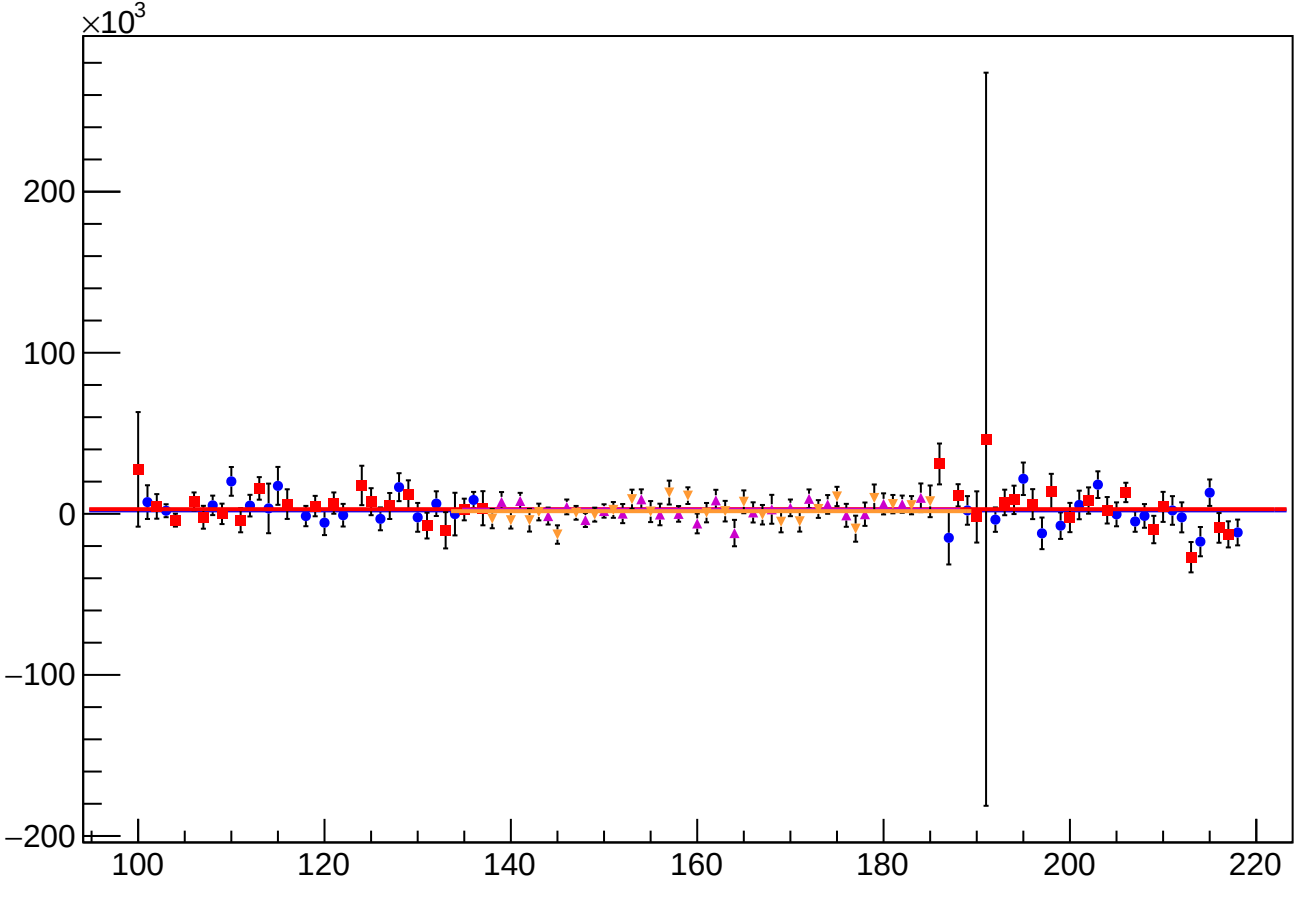
Right: 5042.957+/-0.606 χ^2/NDF: 11839391.8/67

In: 5179.665+/-0.611 χ^2/NDF:4726678.6/54

Out: 4755.777+/-0.568 χ^2/NDF:9140052.4/60

All: 4952.035+/-0.416 χ^2/NDF: 14124834.5/1

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: 2889.126+/-1323.586 χ^2/NDF: 45.2/35

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

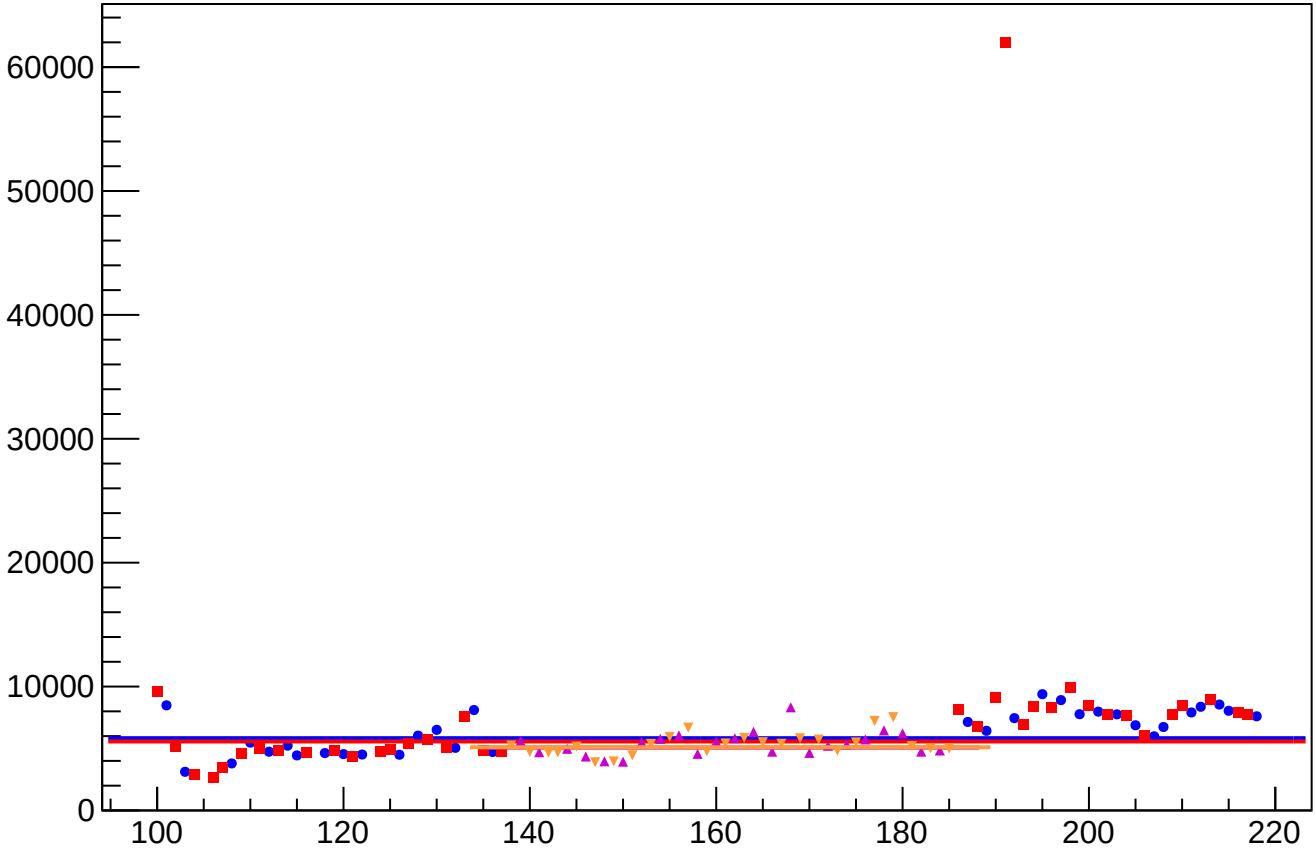
Right: 2526.357+/-949.364 χ^2/NDF: 82.5/67

In: 2378.640+/-902.394 χ^2/NDF:53.2/54

Out: 2200.605+/-880.232 χ^2/NDF:71.6/60

All: 2287.409+/-630.107 χ^2/NDF: 124.9/115

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: 5567.817+/-0.931 χ^2/NDF: 4549669.6/35

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

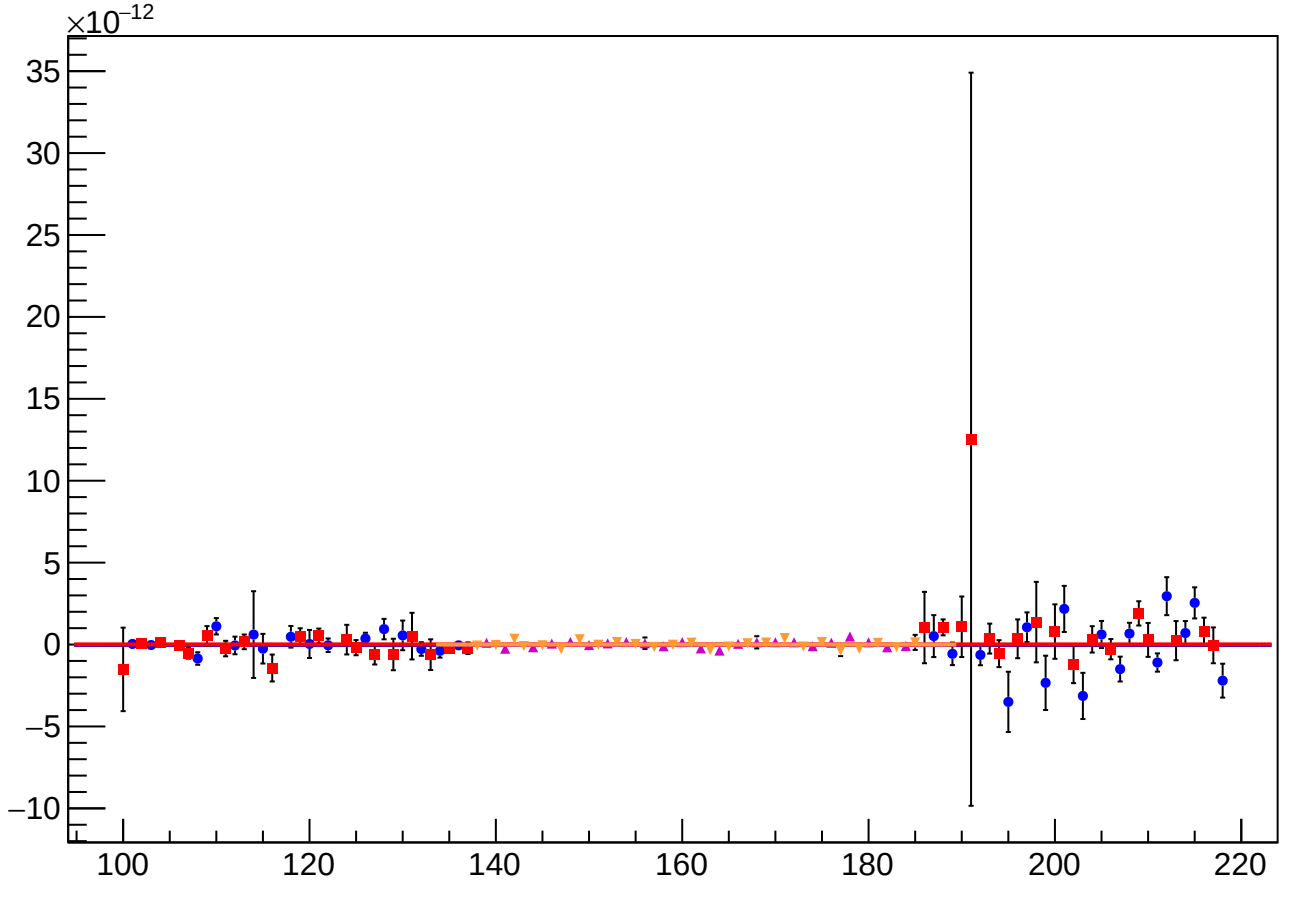
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5696.227+/-0.669 χ^2/NDF: 8042094.6/67

In: 5407.042+/-0.638 χ^2/NDF:4794465.0/54

Out: 5308.521+/-0.621 χ^2/NDF:5598814.0/60

All: 5356.437+/-0.445 χ^2/NDF: 10405524.1/1



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: 31.1/35

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

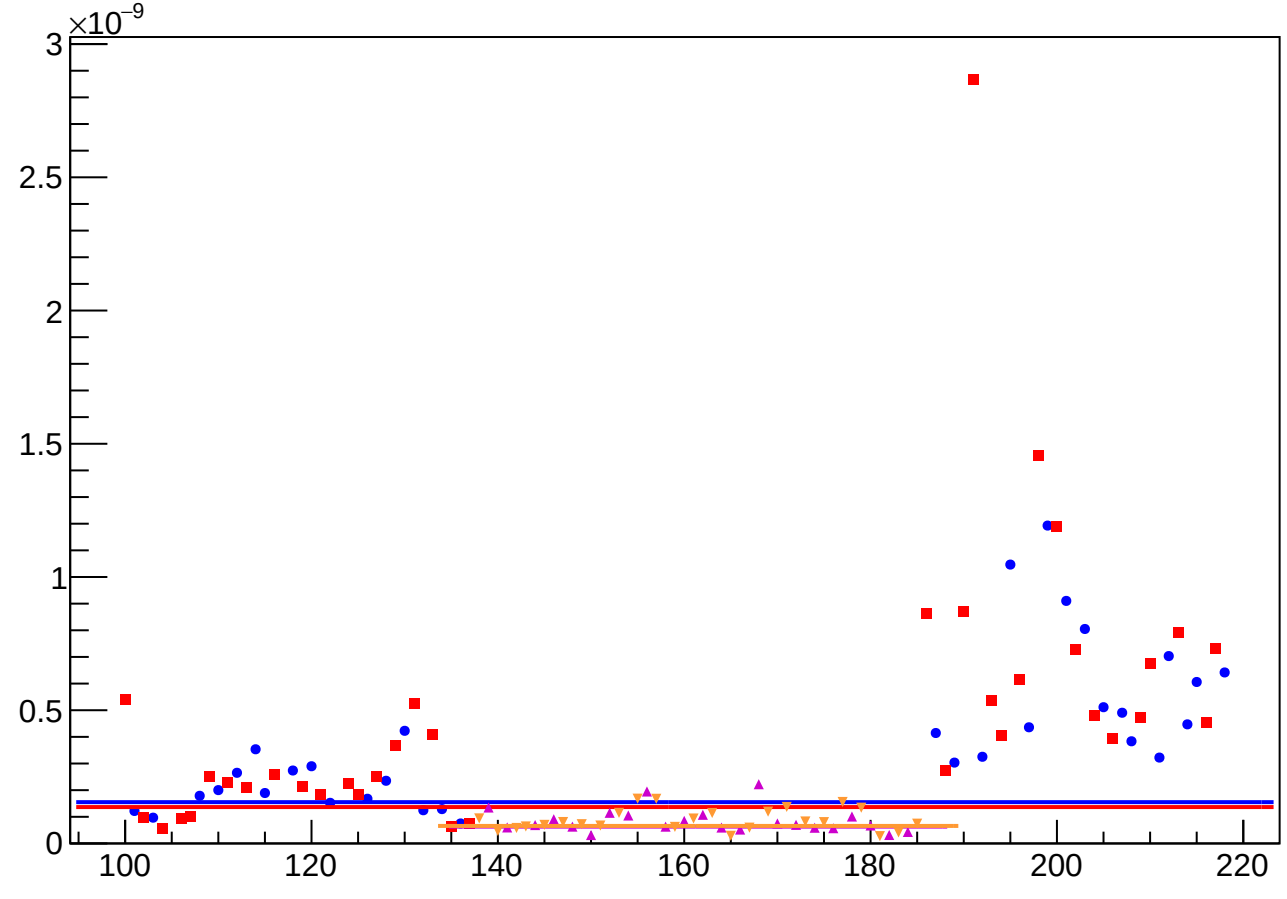
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 91.6/67

In: -0.000+/-0.000 χ^2/NDF:92.8/54

Out: 0.000+/-0.000 χ^2/NDF:64.3/60

All: -0.000+/-0.000 χ^2/NDF: 157.5/115



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: 9047843.8/35

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

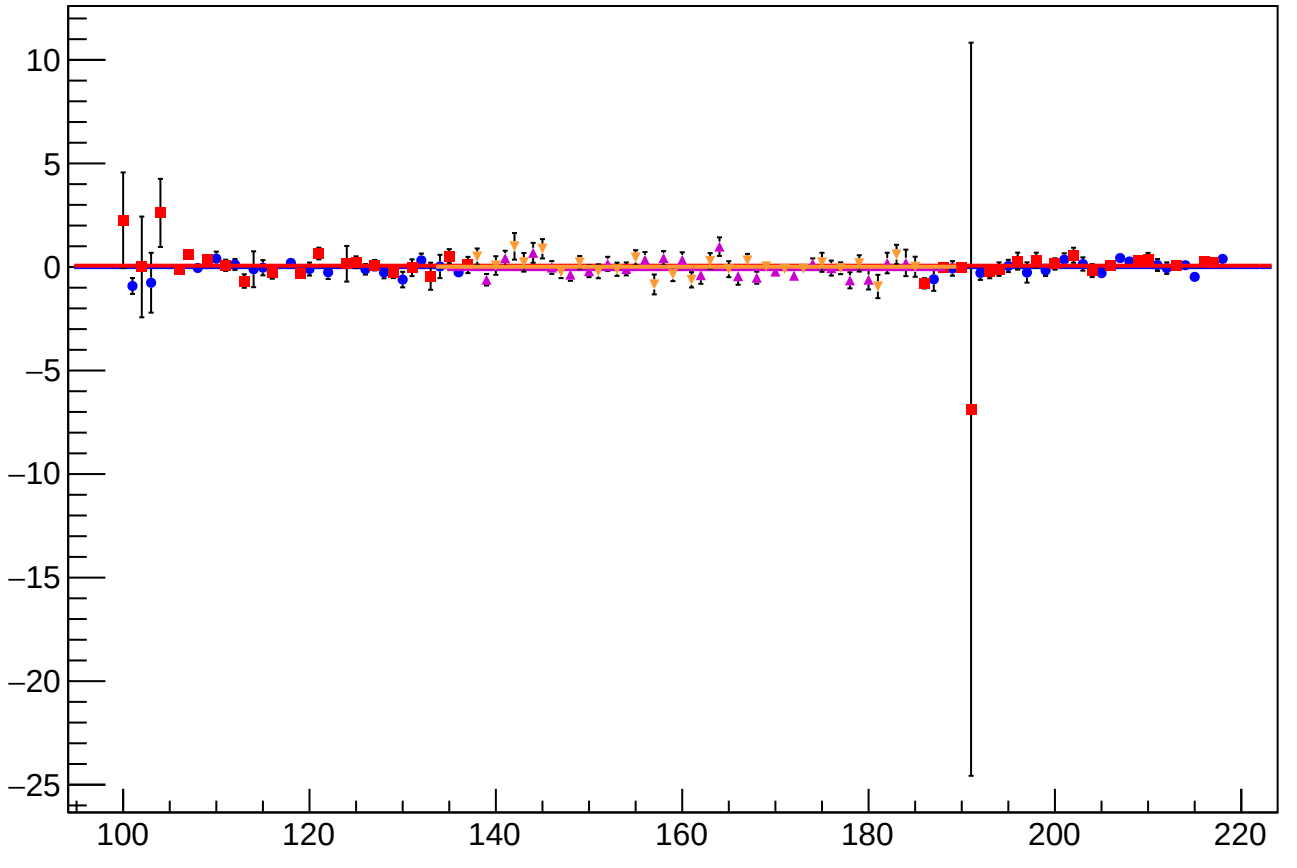
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 16333864.2/67

In: 0.000+/-0.000 χ^2/NDF:12306975.0/54

Out: 0.000+/-0.000 χ^2/NDF:13327399.8/60

All: 0.000+/-0.000 χ^2/NDF: 25634525.1/115



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: 0.062+/-0.045 χ^2/NDF: 49.8/35

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

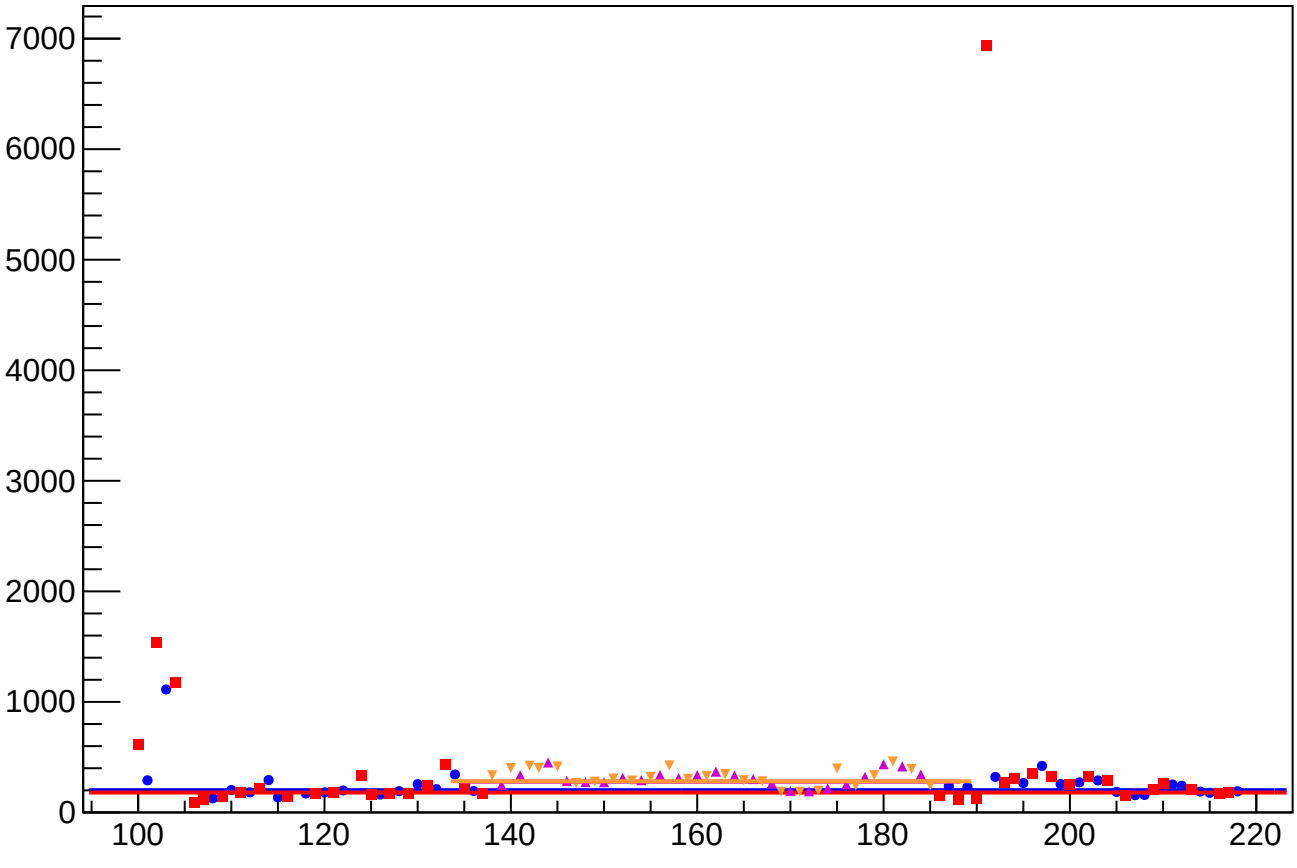
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.030+/-0.033 χ^2/NDF: 90.9/67

In: -0.040+/-0.040 χ^2/NDF:72.7/54

Out: 0.047+/-0.037 χ^2/NDF:75.4/60

All: 0.006+/-0.027 χ^2/NDF: 150.7/115



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: 180.233+/-0.032 χ^2/NDF: 5686547.3/35

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

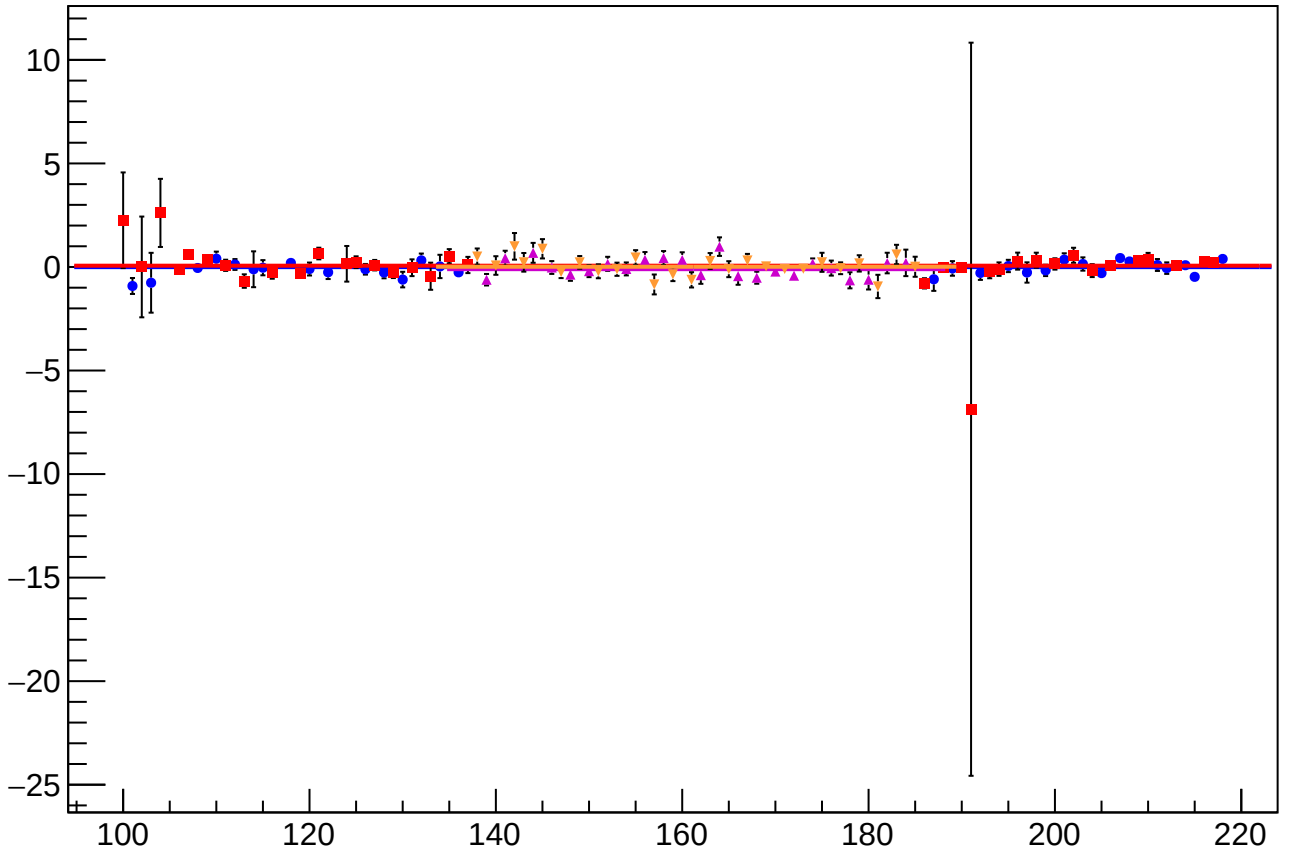
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 190.124+/-0.023 χ^2/NDF: 8937140.1/67

In: 227.254+/-0.028 χ^2/NDF:6505757.5/54

Out: 210.921+/-0.026 χ^2/NDF:11318185.4/60

All: 218.624+/-0.019 χ^2/NDF: 18003848.8/11



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: 0.062+/-0.045 χ^2/NDF: 49.8/35

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

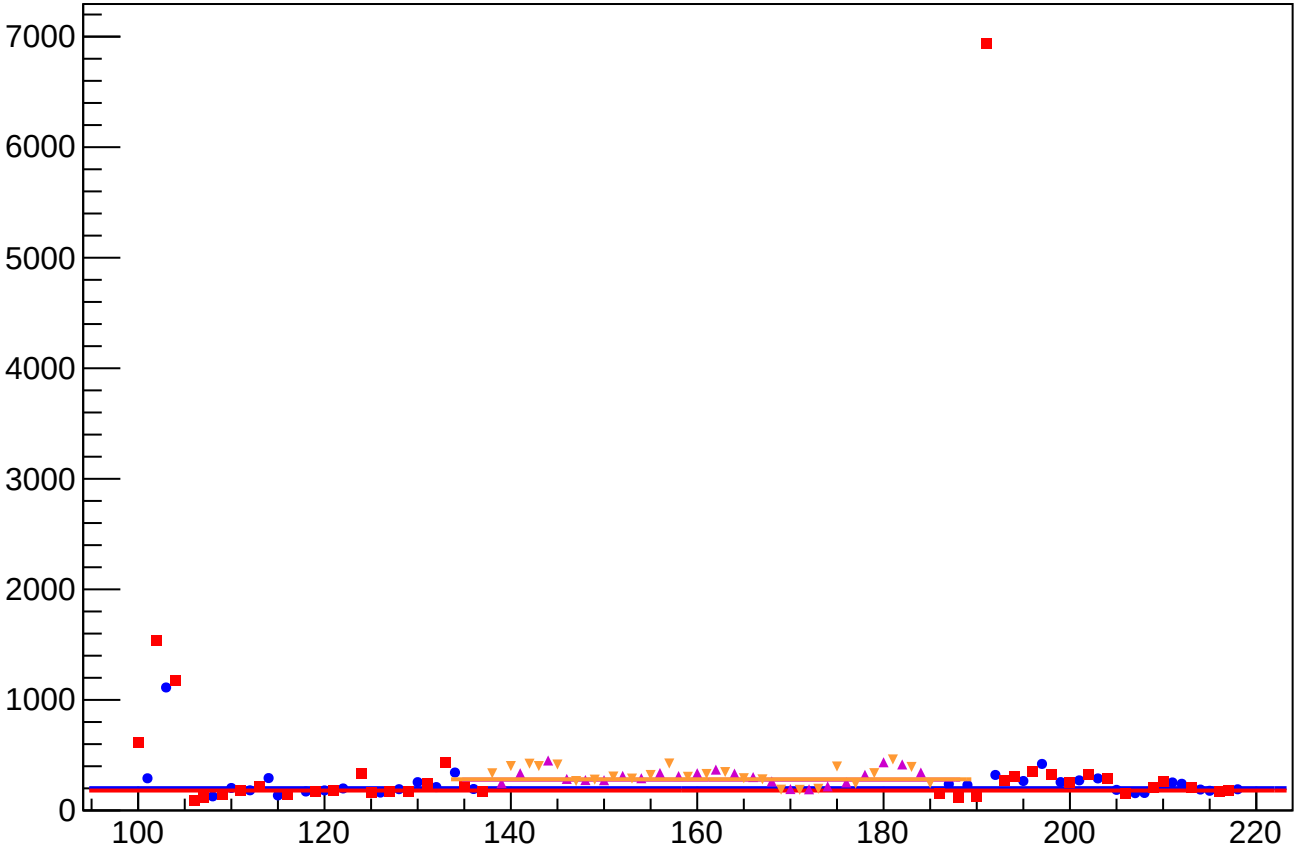
Right: 0.030+/-0.033 χ^2/NDF: 90.9/67

In: -0.040+/-0.040 χ^2/NDF:72.7/54

Out: 0.047+/-0.037 χ^2/NDF:75.4/60

All: 0.006+/-0.027 χ^2/NDF: 150.7/115

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 180.233+/-0.032 χ^2/NDF: 5686547.3/35

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

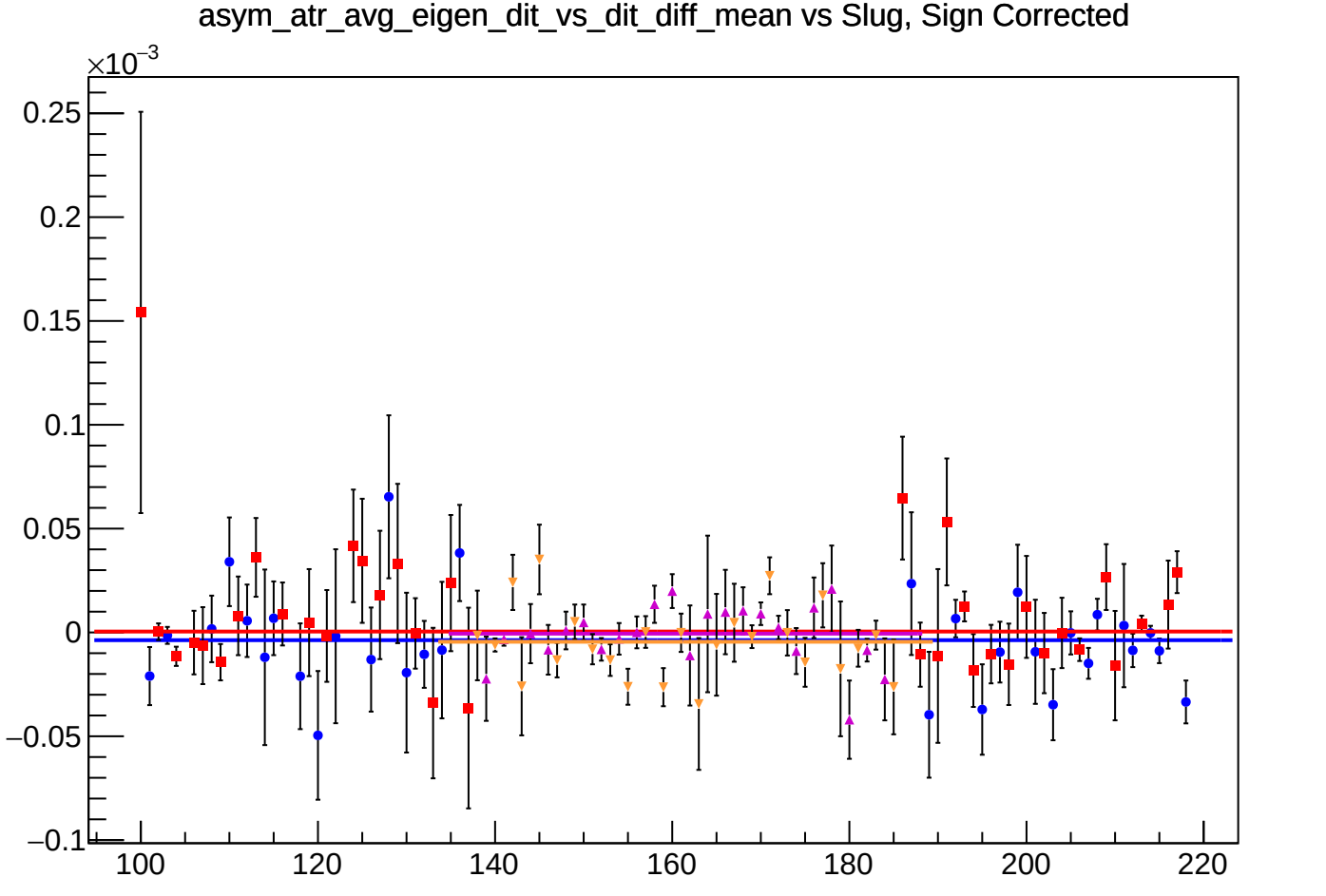
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 190.124+/-0.023 χ^2/NDF: 8937140.1/67

In: 227.254+/-0.028 χ^2/NDF:6505757.5/54

Out: 210.921+/-0.026 χ^2/NDF:11318185.4/60

All: 218.624+/-0.019 χ^2/NDF: 18003848.8/11



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: 52.2/35

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

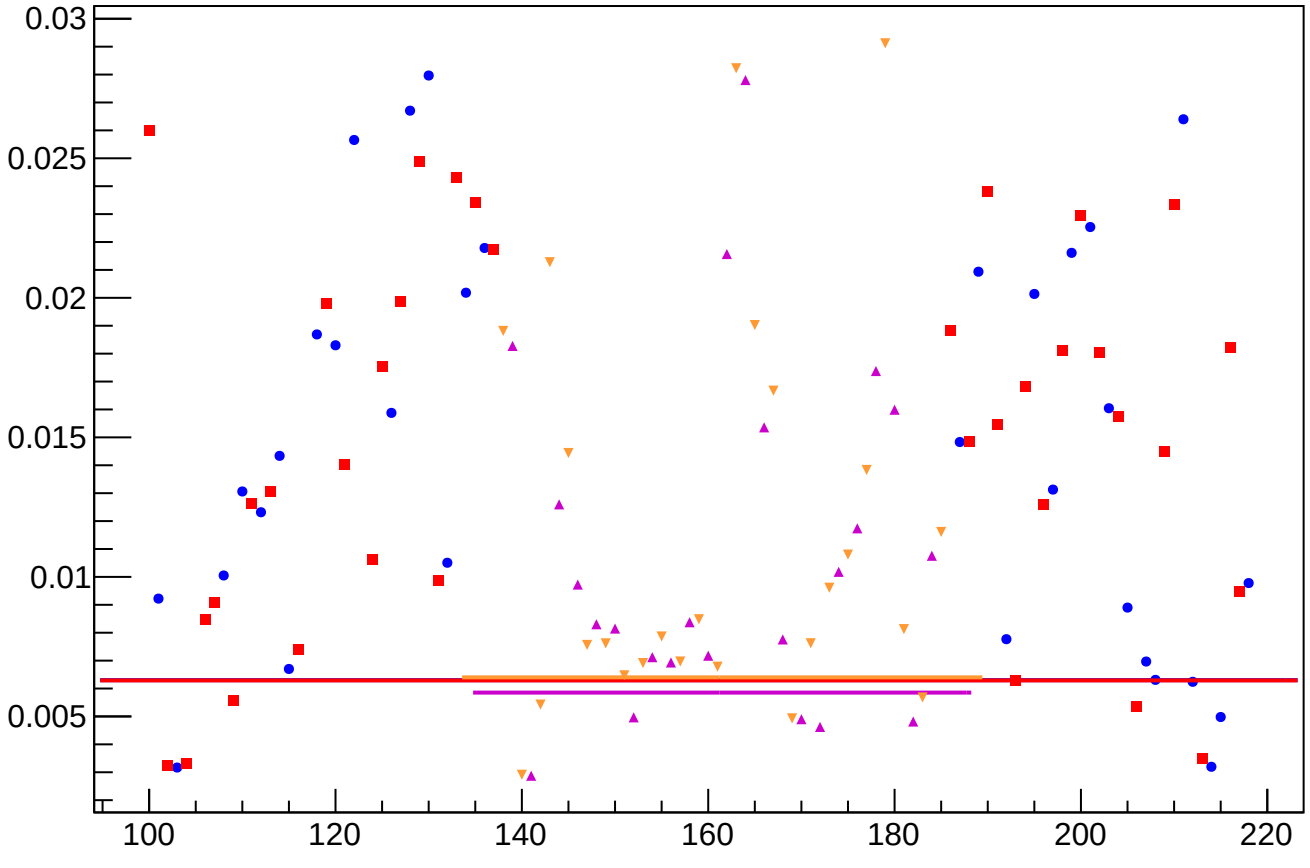
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 95.9/67

In: -0.000+/-0.000 χ^2/NDF:71.8/54

Out: -0.000+/-0.000 χ^2/NDF:102.6/60

All: -0.000+/-0.000 χ^2/NDF: 174.4/115



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: 14975512.8/35

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

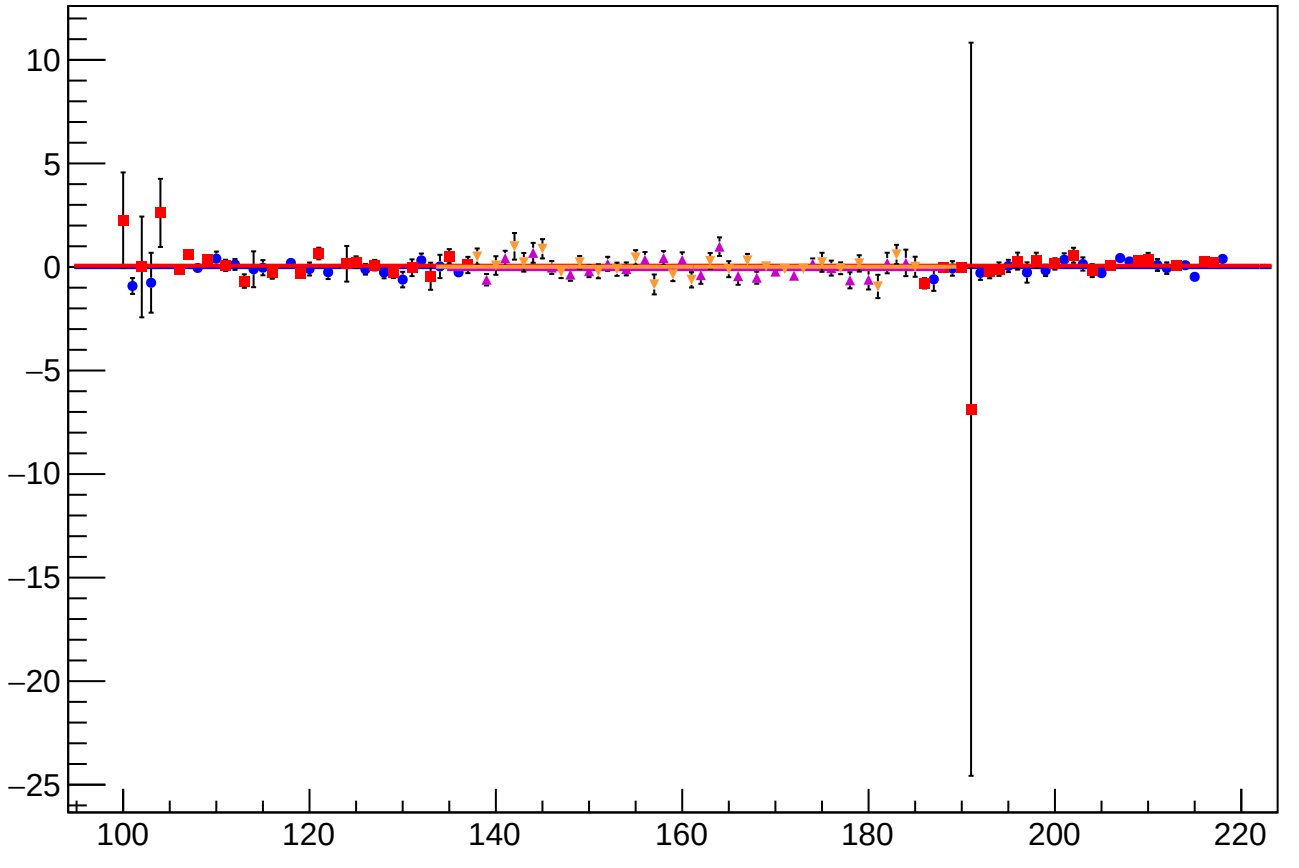
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.006+/-0.000 χ^2/NDF: 28238722.8/67

In: 0.006+/-0.000 χ^2/NDF:21474315.1/54

Out: 0.006+/-0.000 χ^2/NDF:23943614.9/60

All: 0.006+/-0.000 χ^2/NDF: 45475424.5/115



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: 0.062+/-0.045 χ^2/NDF: 49.8/35

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

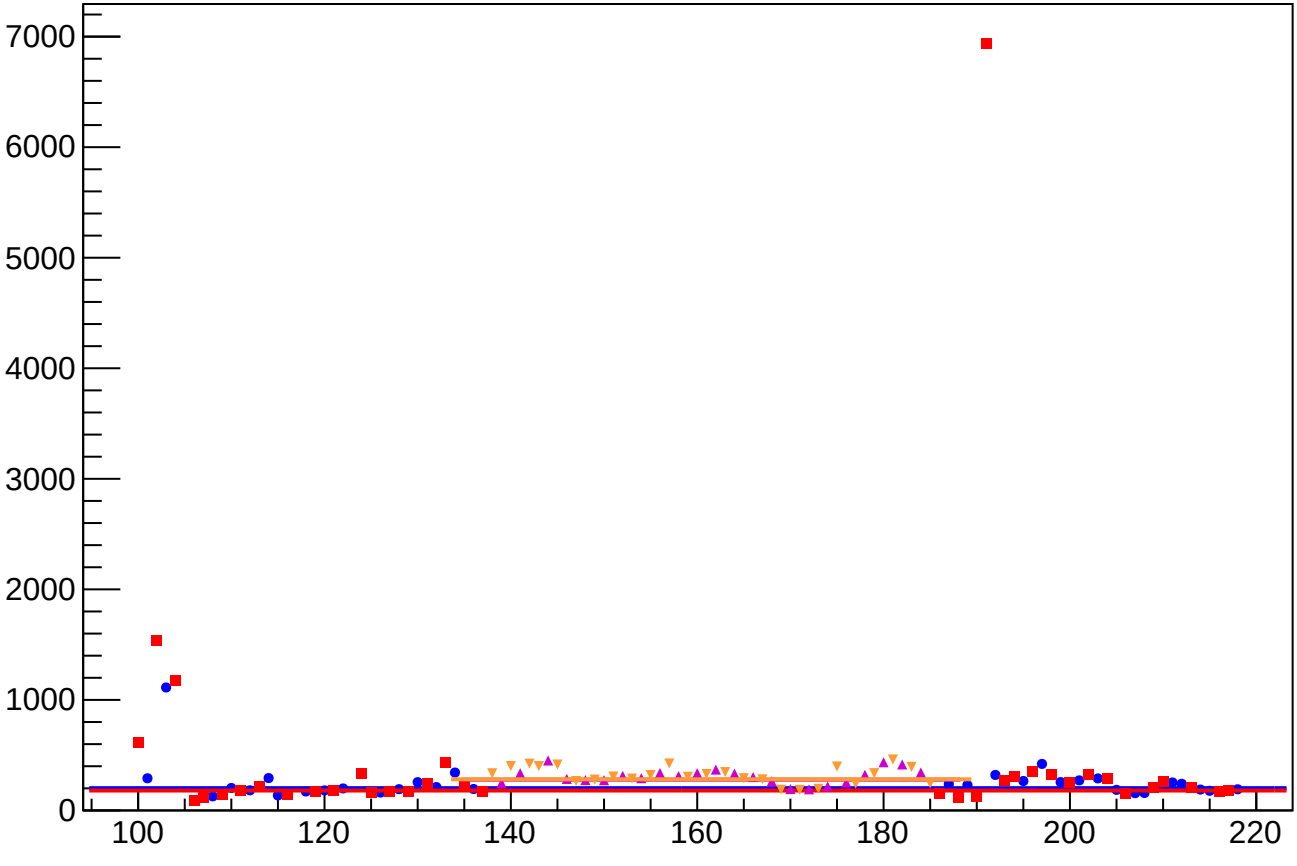
Right: 0.030+/-0.033 χ^2/NDF: 90.9/67

In: -0.040+/-0.040 χ^2/NDF:72.7/54

Out: 0.047+/-0.037 χ^2/NDF:75.4/60

All: 0.006+/-0.027 χ^2/NDF: 150.7/115

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: 180.231+/-0.032 χ^2/NDF: 5686696.5/35

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

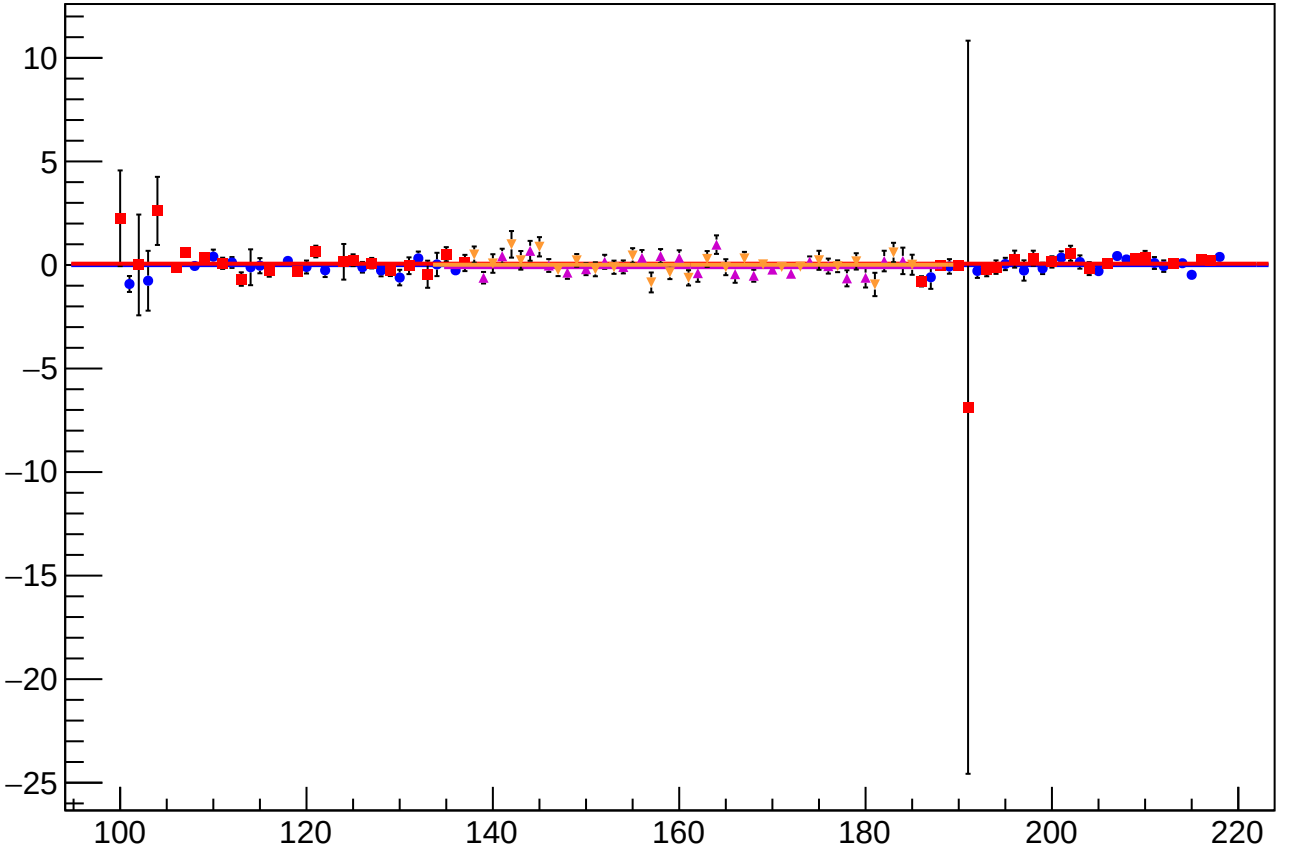
Right: 190.122+/-0.023 χ^2/NDF: 8937360.9/67

In: 227.254+/-0.028 χ^2/NDF:6505923.7/54

Out: 210.919+/-0.026 χ^2/NDF:11318694.9/60

All: 218.623+/-0.019 χ^2/NDF: 18004572.9/1

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: 0.062+/-0.045 χ^2/NDF: 49.8/35

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

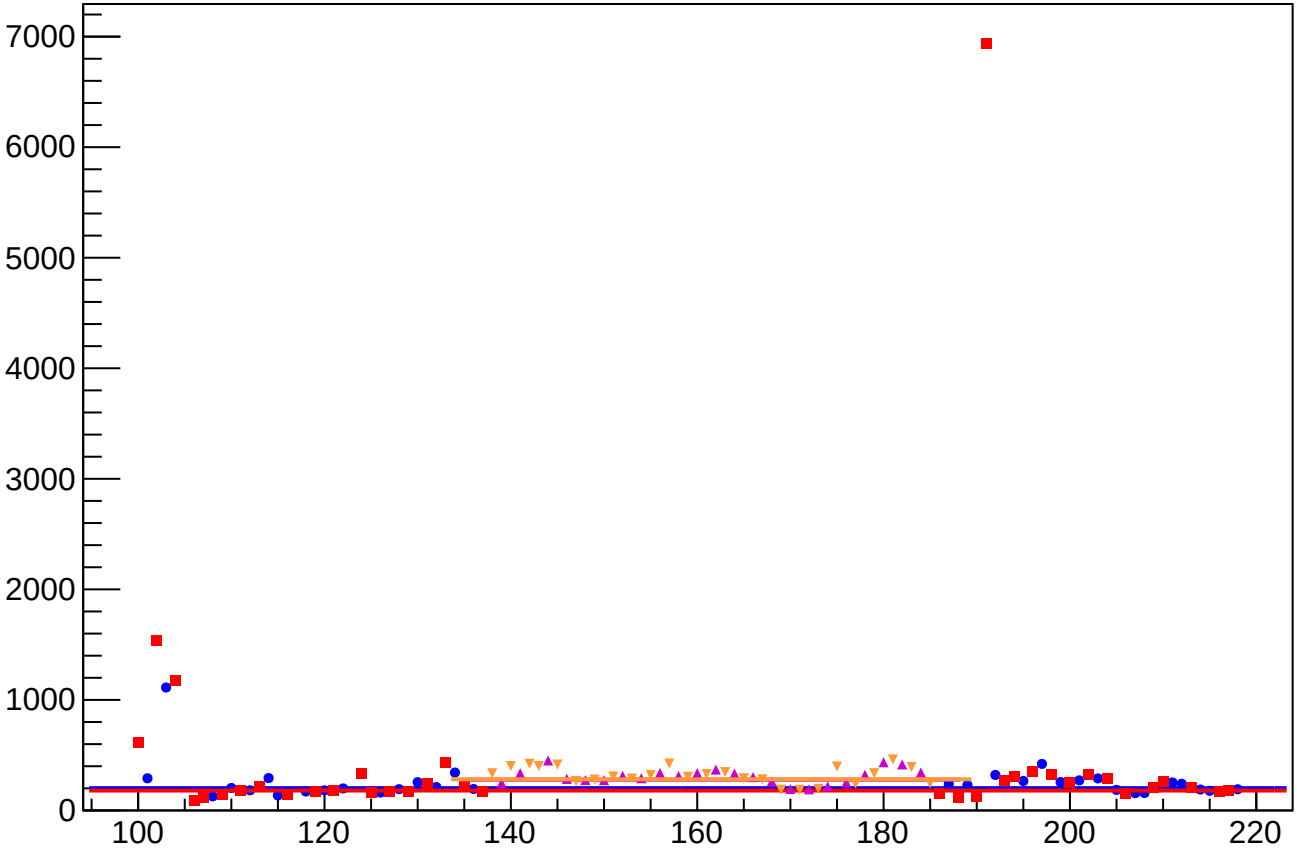
Right: 0.030+/-0.033 χ^2/NDF: 90.9/67

In: -0.040+/-0.040 χ^2/NDF:72.7/54

Out: 0.047+/-0.037 χ^2/NDF:75.4/60

All: 0.006+/-0.027 χ^2/NDF: 150.7/115

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: 180.231+/-0.032 χ^2/NDF: 5686696.5/35

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

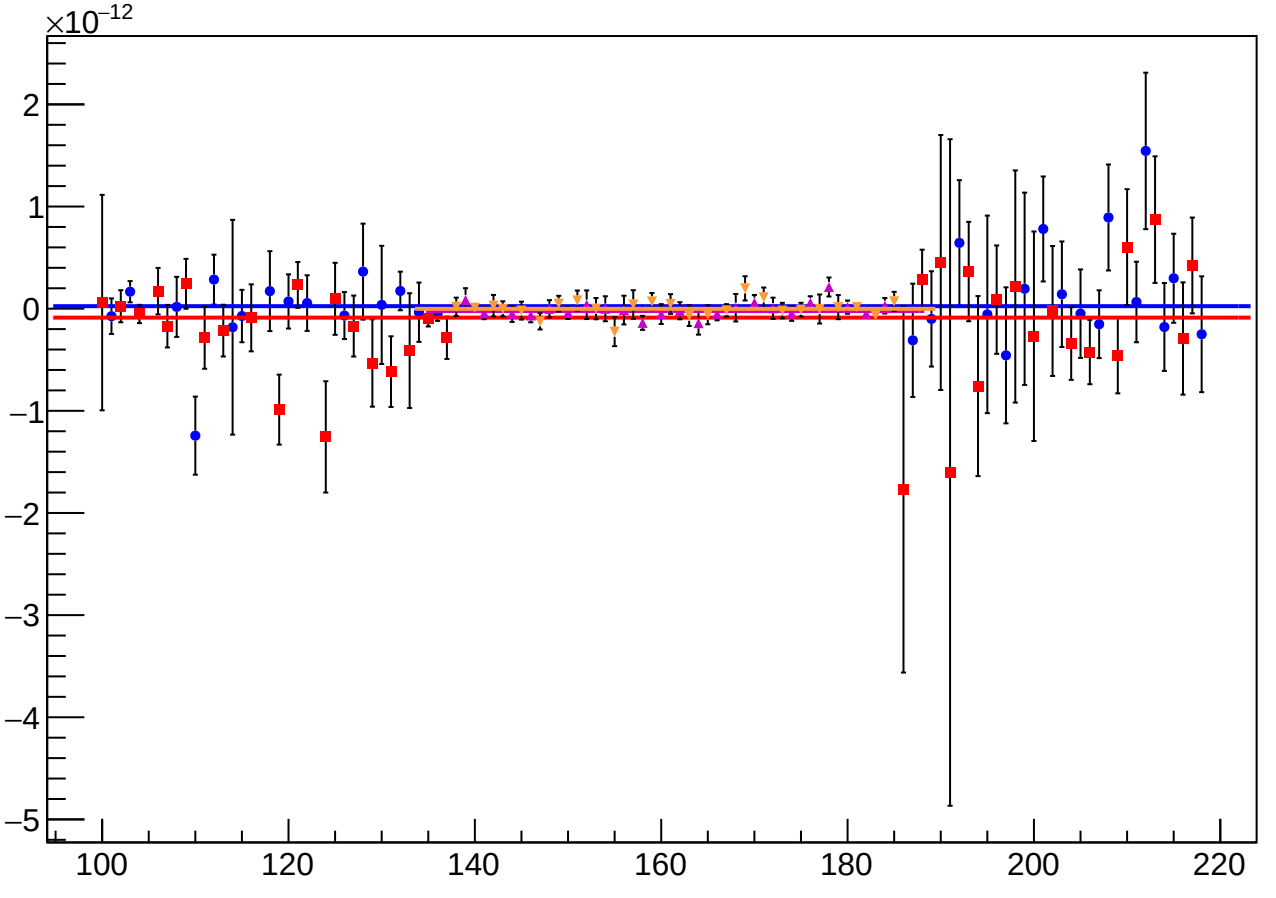
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

Right: 190.122+/-0.023 χ^2/NDF: 8937360.9/67

In: 227.254+/-0.028 χ^2/NDF:6505923.7/54

Out: 210.919+/-0.026 χ^2/NDF:11318694.9/60

All: 218.623+/-0.019 χ^2/NDF: 18004572.9/1



Right In: 0.000+/-0.000 χ^2/NDF: 29.3/31

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/35

Left In: -0.000+/-0.000 χ^2/NDF:16.8/22

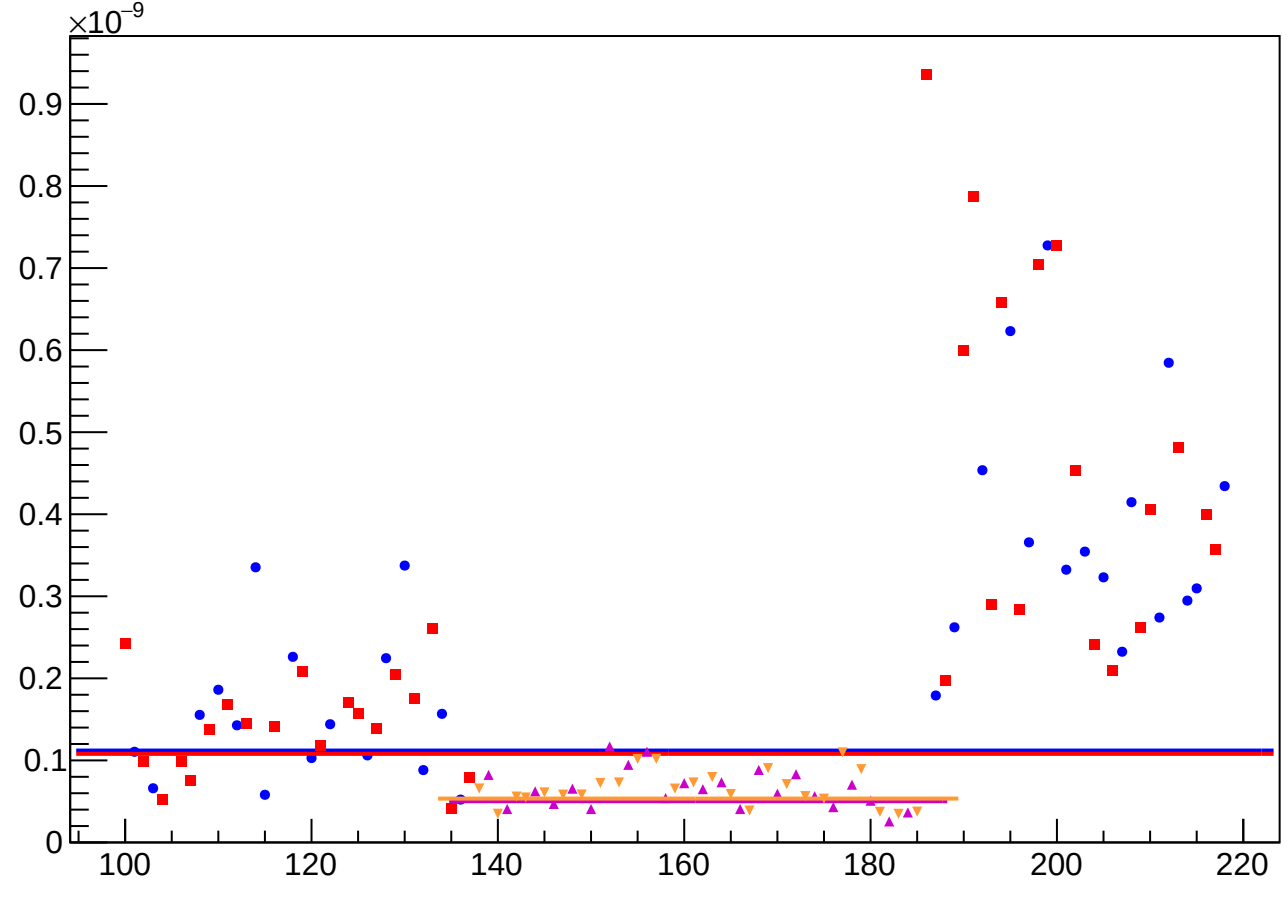
Left: -0.000+/-0.000 χ^2/NDF: 33.1/47

Right: -0.000+/-0.000 χ^2/NDF: 68.4/67

In: -0.000+/-0.000 χ^2/NDF:47.2/54

Out: -0.000+/-0.000 χ^2/NDF:54.7/60

All: -0.000+/-0.000 χ^2/NDF: 101.9/115



Right In: 0.000+/-0.000 χ^2/NDF: 10183683.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10330390.8/35

Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6193032.5/47

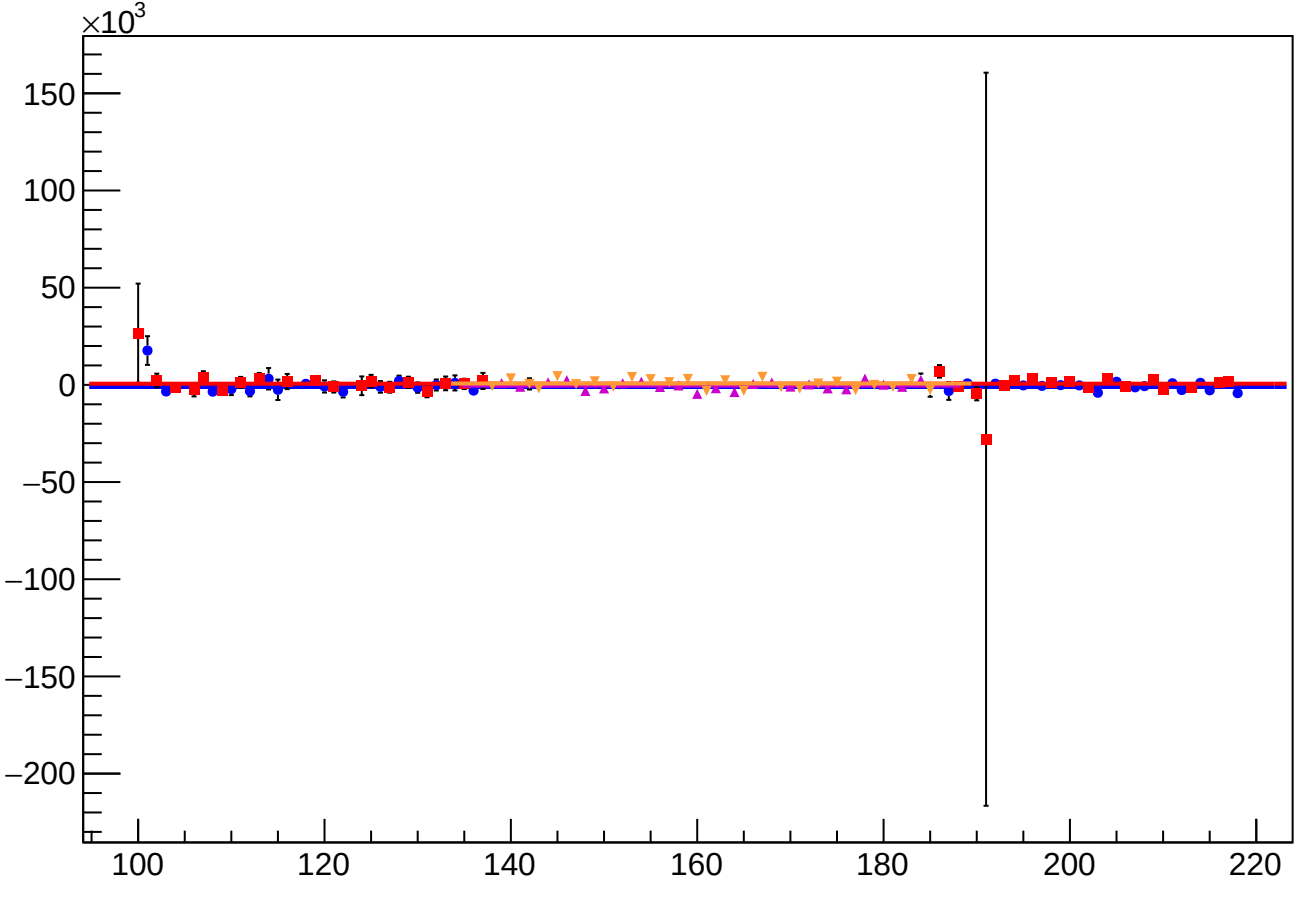
Right: 0.000+/-0.000 χ^2/NDF: 20522986.5/67

In: 0.000+/-0.000 χ^2/NDF:17231529.0/54

Out: 0.000+/-0.000 χ^2/NDF:16059610.6/60

All: 0.000+/-0.000 χ^2/NDF: 33328889.6/115

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: 604.122+/-430.660 χ^2/NDF: 27.0/35

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

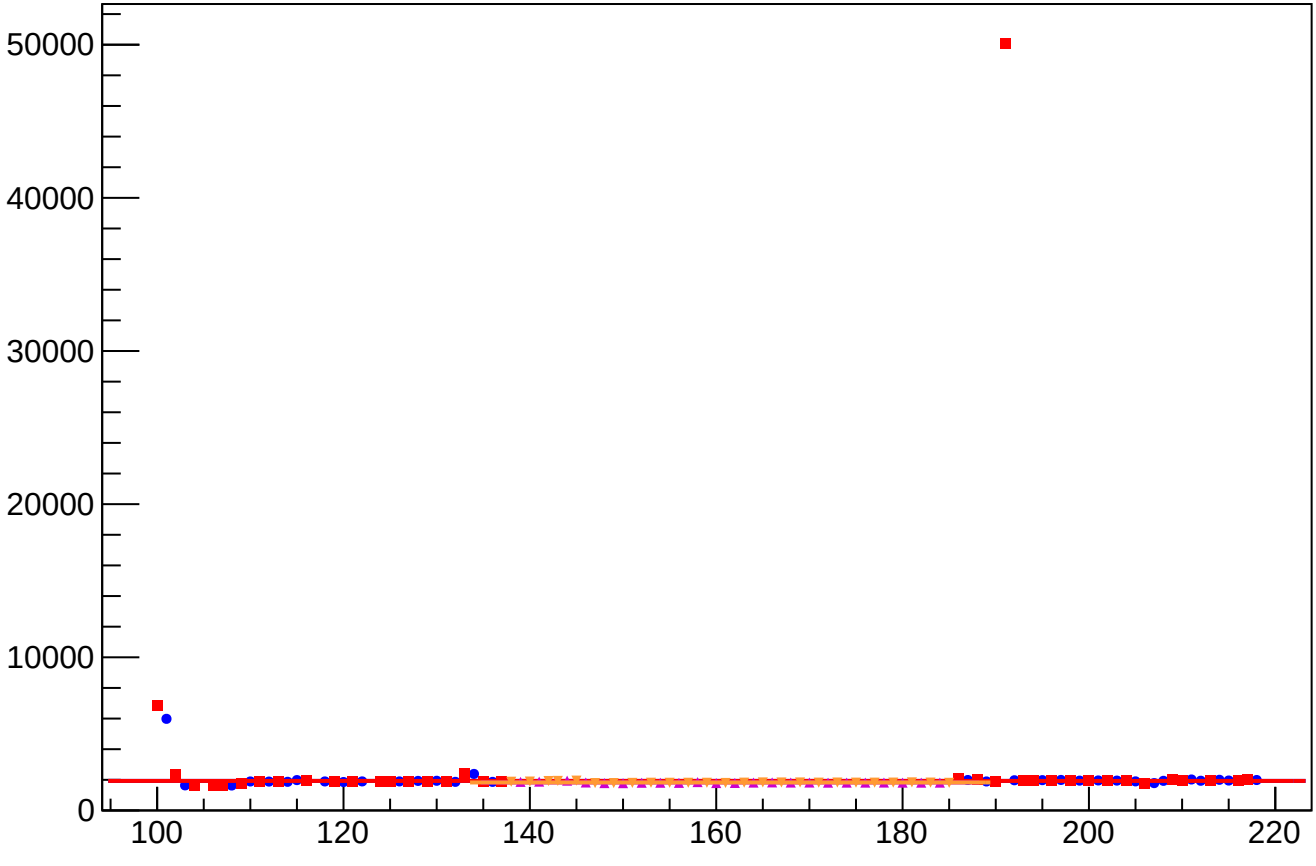
Right: -240.773+/-305.363 χ^2/NDF: 59.6/67

In: -743.601+/-303.766 χ^2/NDF:47.0/54

Out: 656.766+/-298.975 χ^2/NDF:58.9/60

All: -32.287+/-213.081 χ^2/NDF: 116.7/115

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: 1928.084+/-0.304 χ^2/NDF: 395413.8/35

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

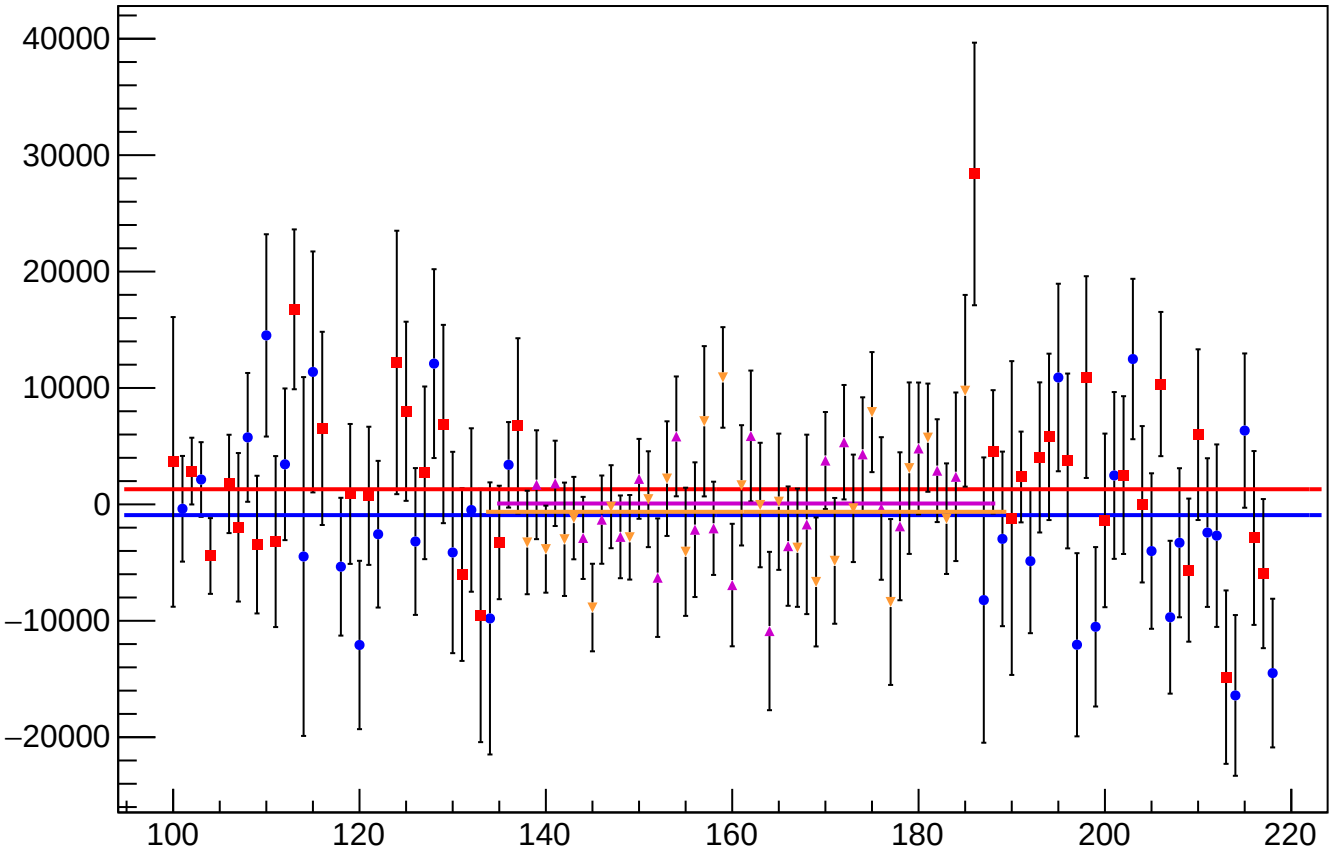
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1928.642+/-0.216 χ^2/NDF: 1121028.6/67

In: 1876.359+/-0.215 χ^2/NDF:797610.2/54

Out: 1876.425+/-0.211 χ^2/NDF:470503.2/60

All: 1876.392+/-0.151 χ^2/NDF: 1268113.4/11



Right In: -922.177+/-1132.254 χ^2/NDF: 39.2/31

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: 1301.327+/-1016.347 χ^2/NDF: 34.2/35

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

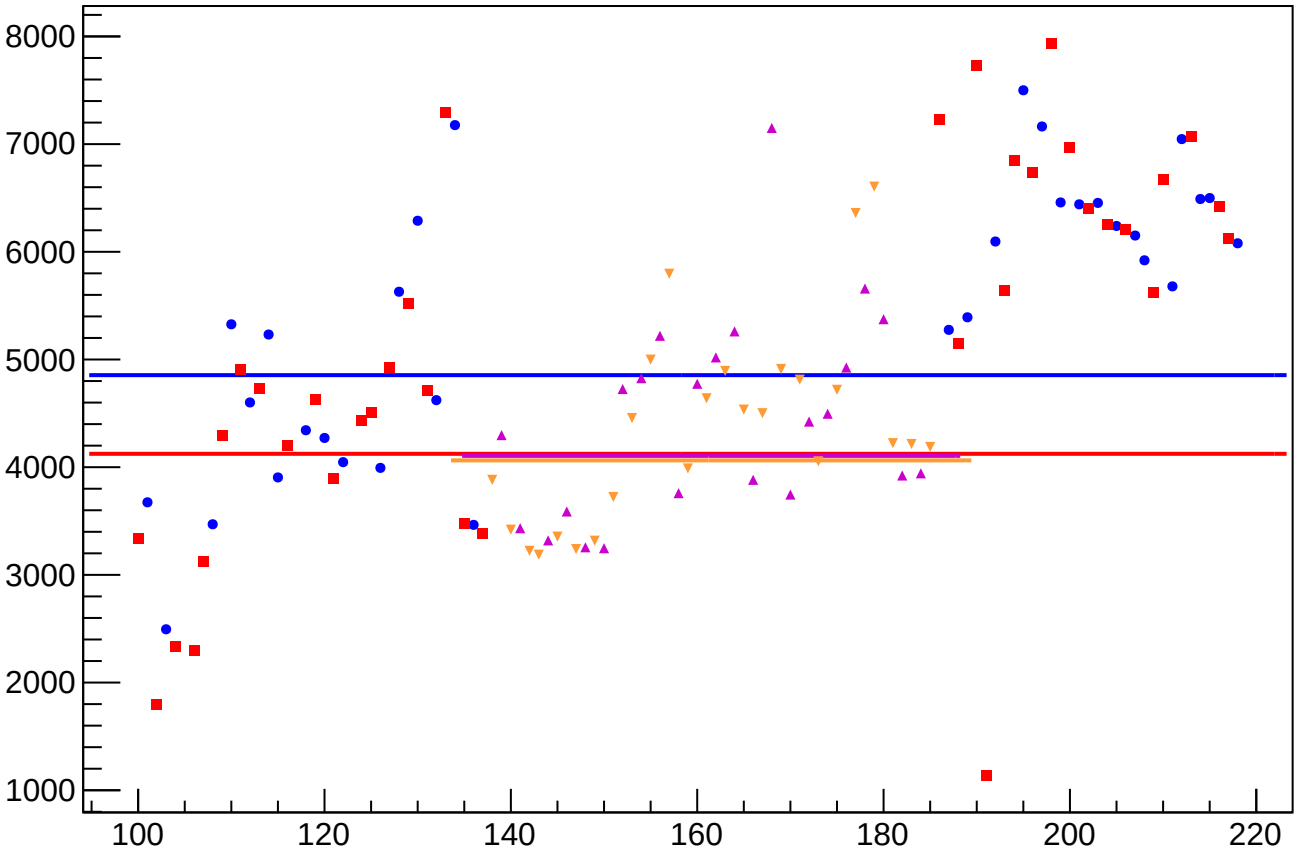
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 309.174+/-756.335 χ^2/NDF: 75.6/67

In: -351.766+/-741.097 χ^2/NDF:55.1/54

Out: 263.272+/-692.798 χ^2/NDF:62.1/60

All: -23.553+/-506.096 χ^2/NDF: 117.6/115



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: 4124.348+/-0.719 χ^2/NDF: 7305007.4/35

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

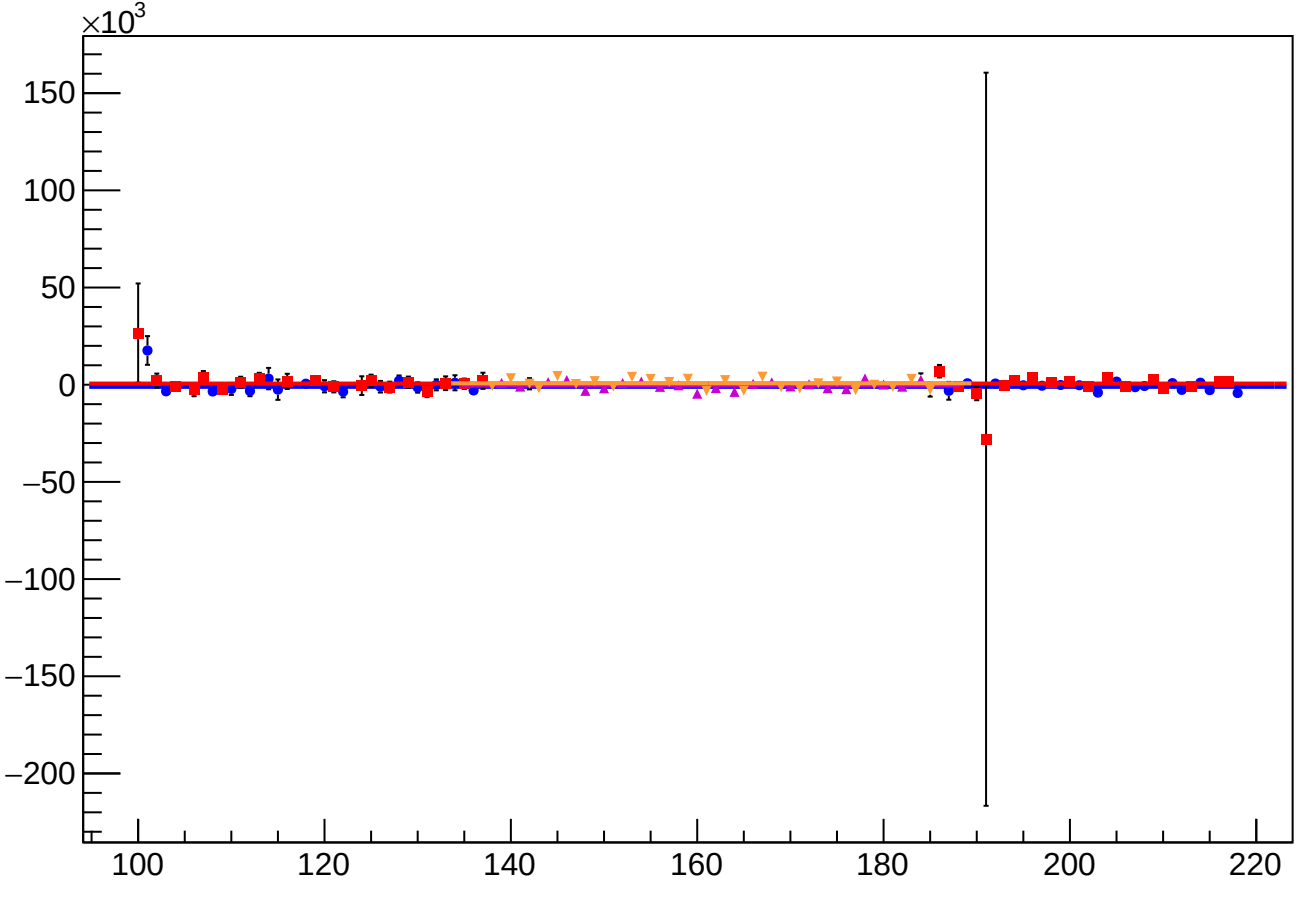
Right: 4450.258+/-0.535 χ^2/NDF: 11189209.6/67

In: 4426.232+/-0.524 χ^2/NDF:5283967.4/54

Out: 4091.563+/-0.490 χ^2/NDF:8713930.8/60

All: 4247.638+/-0.358 χ^2/NDF: 14215550.9/1

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: 600.452+/-430.878 χ^2/NDF: 26.9/35

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

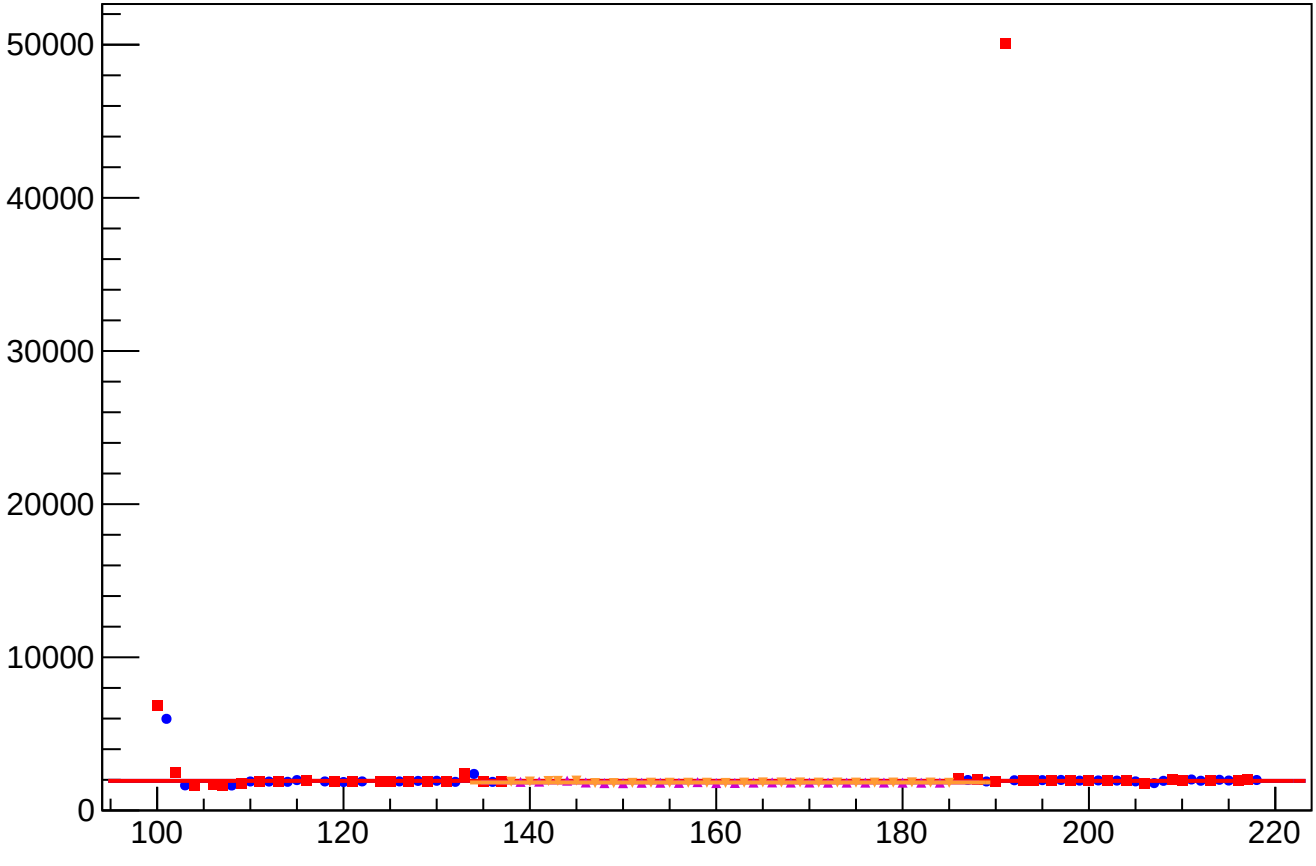
Right: -243.150+/-305.440 χ^2/NDF: 59.5/67

In: -743.620+/-303.766 χ^2/NDF:46.9/54

Out: 655.054+/-299.048 χ^2/NDF:58.9/60

All: -33.337+/-213.107 χ^2/NDF: 116.6/115

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: 1930.751+/-0.304 χ^2/NDF: 401406.0/35

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

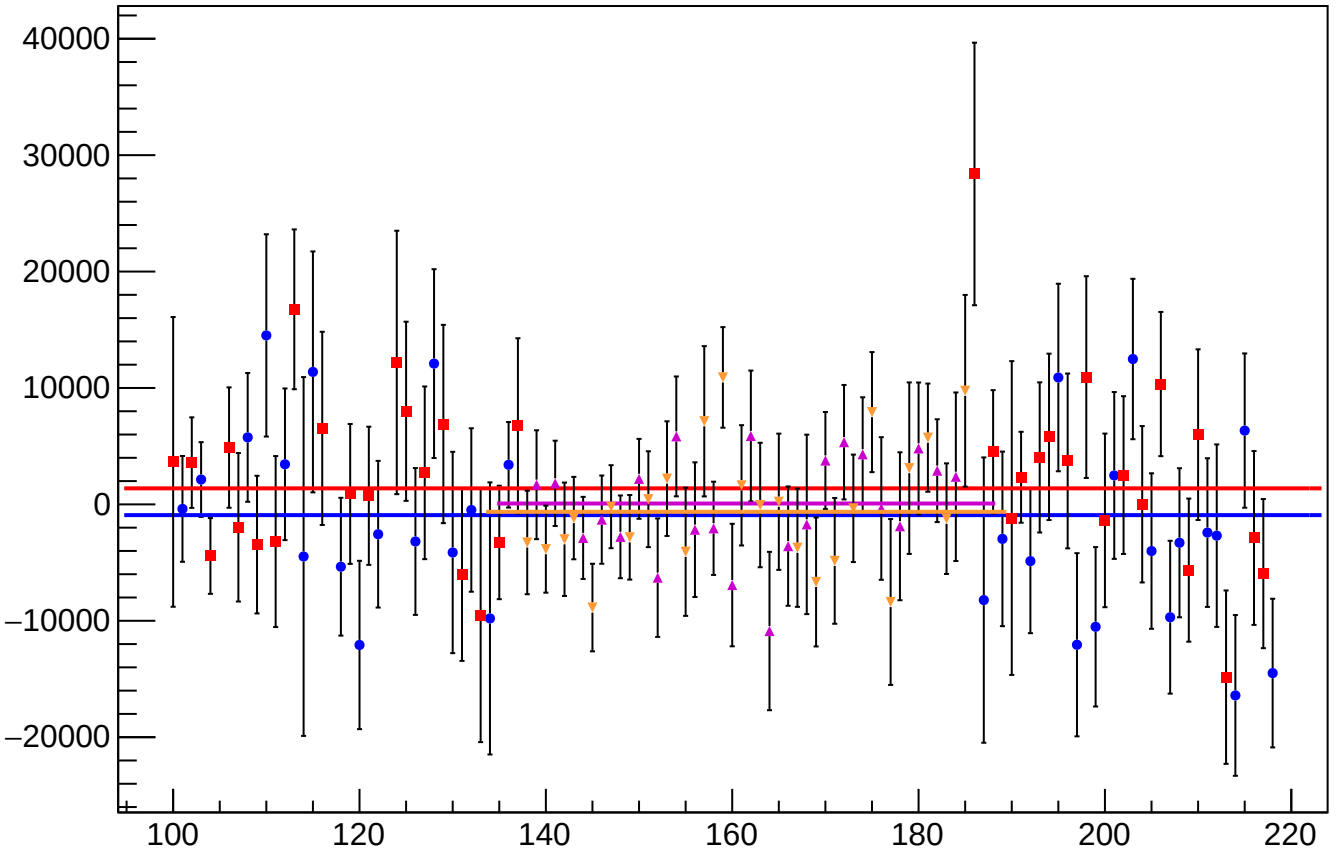
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1929.984+/-0.216 χ^2/NDF: 1127026.9/67

In: 1876.359+/-0.215 χ^2/NDF:797610.3/54

Out: 1877.651+/-0.211 χ^2/NDF:479442.0/60

All: 1877.015+/-0.151 χ^2/NDF: 1277070.7/11



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: 1377.534+/-1057.846 χ^2/NDF: 34.7/35

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

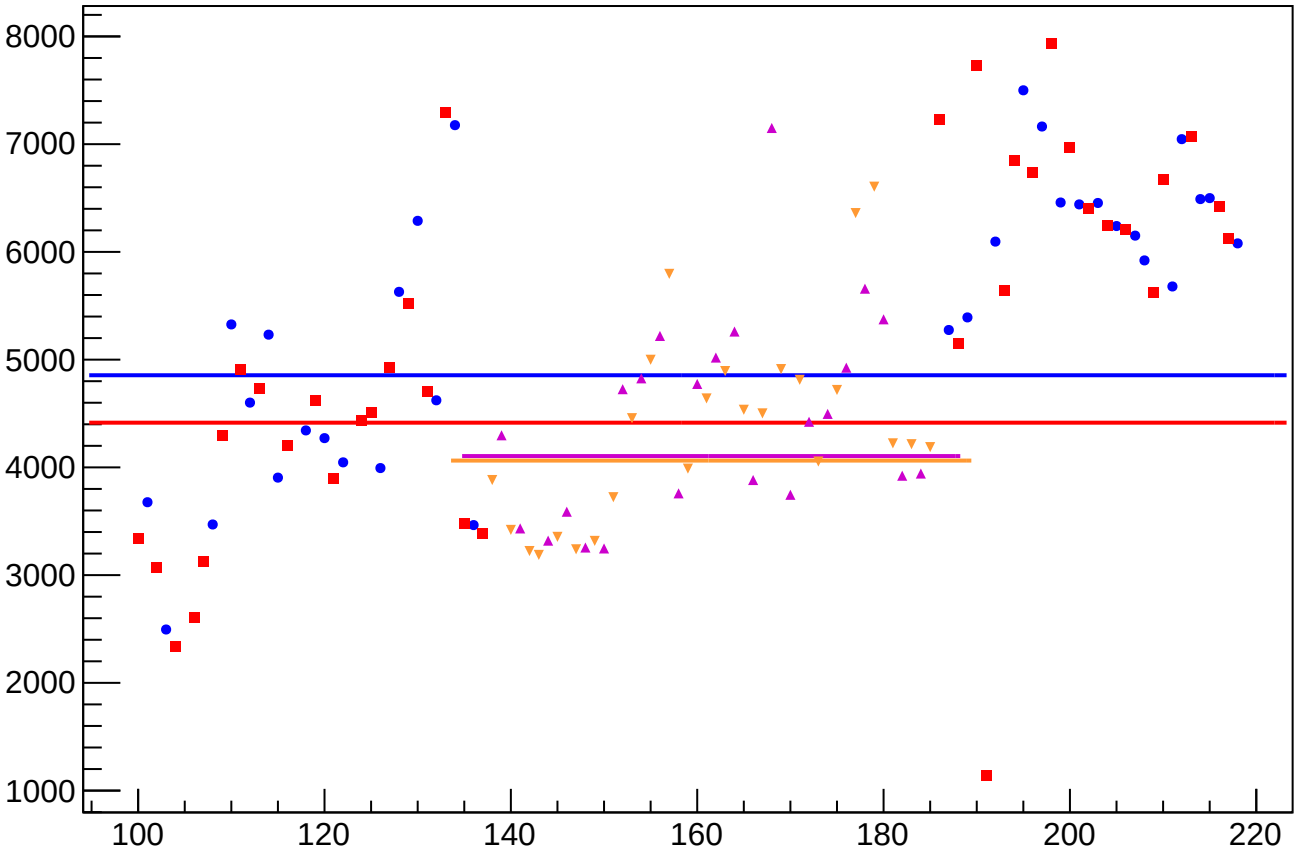
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 305.321+/-773.002 χ^2/NDF: 76.1/67

In: -352.157+/-741.118 χ^2/NDF:55.1/54

Out: 258.684+/-705.520 χ^2/NDF:62.7/60

All: -31.715+/-510.999 χ^2/NDF: 118.2/115



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: 4414.929+/-0.748 χ^2/NDF: 5776699.5/35

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

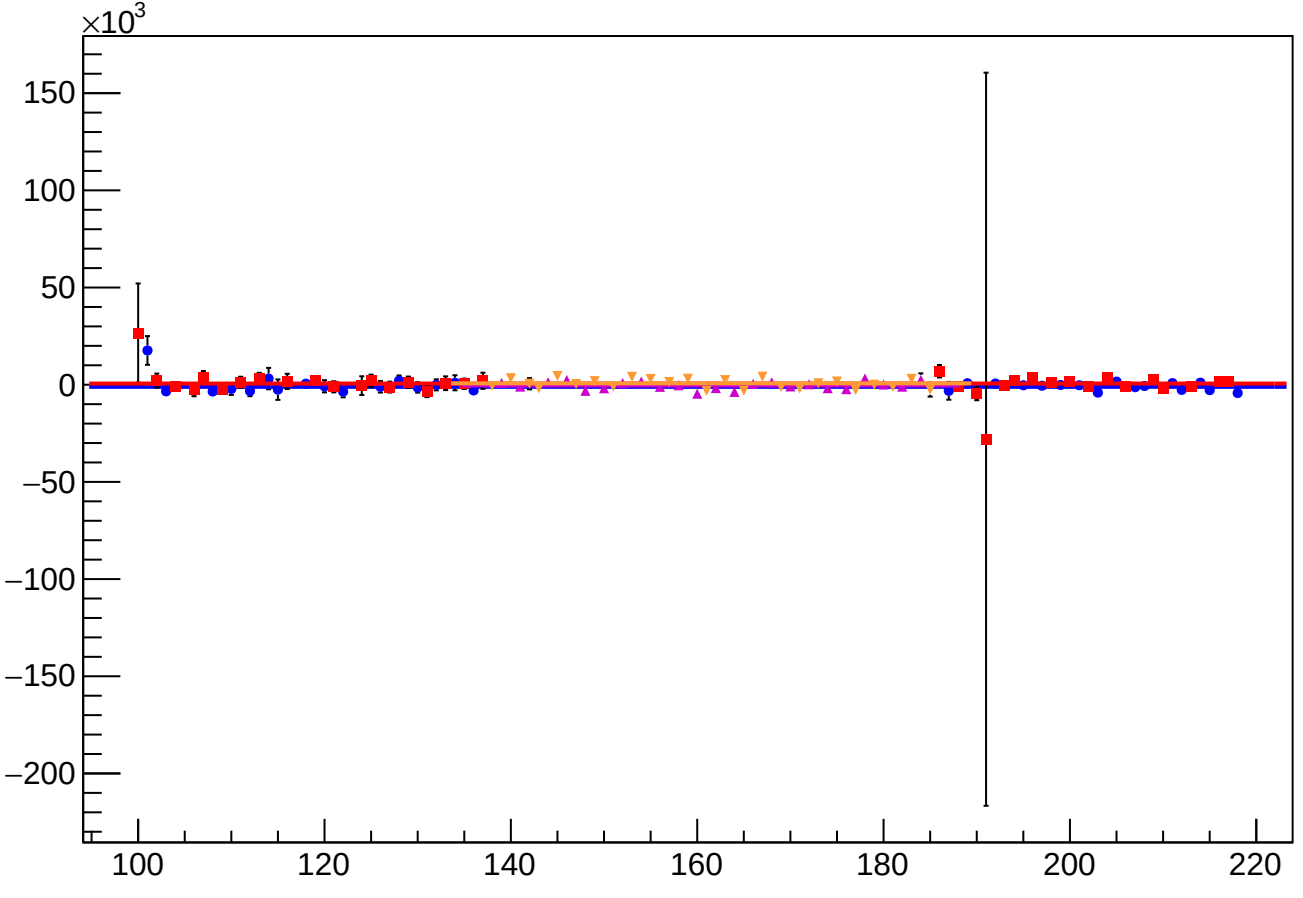
Right: 4620.104+/-0.547 χ^2/NDF: 9359774.0/67

In: 4426.394+/-0.524 χ^2/NDF:5282870.6/54

Out: 4219.600+/-0.499 χ^2/NDF:7304552.1/60

All: 4317.911+/-0.361 χ^2/NDF: 12669109.4/1

eigen_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: 600.452+/-430.878 χ^2/NDF: 26.9/35

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

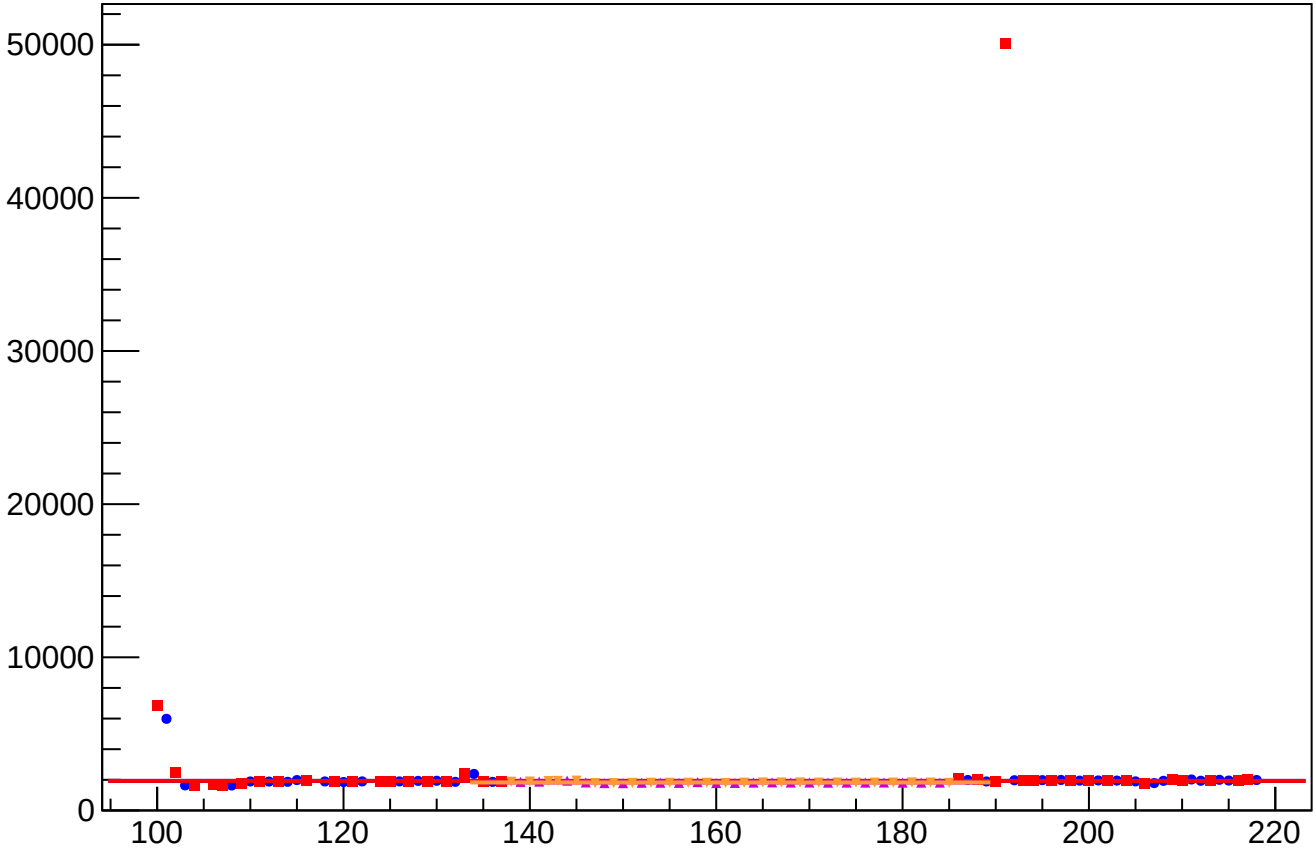
Right: -243.150+/-305.440 χ^2/NDF: 59.5/67

In: -743.620+/-303.766 χ^2/NDF:46.9/54

Out: 655.054+/-299.048 χ^2/NDF:58.9/60

All: -33.337+/-213.107 χ^2/NDF: 116.6/115

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: 1930.751+/-0.304 χ^2/NDF: 401406.0/35

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

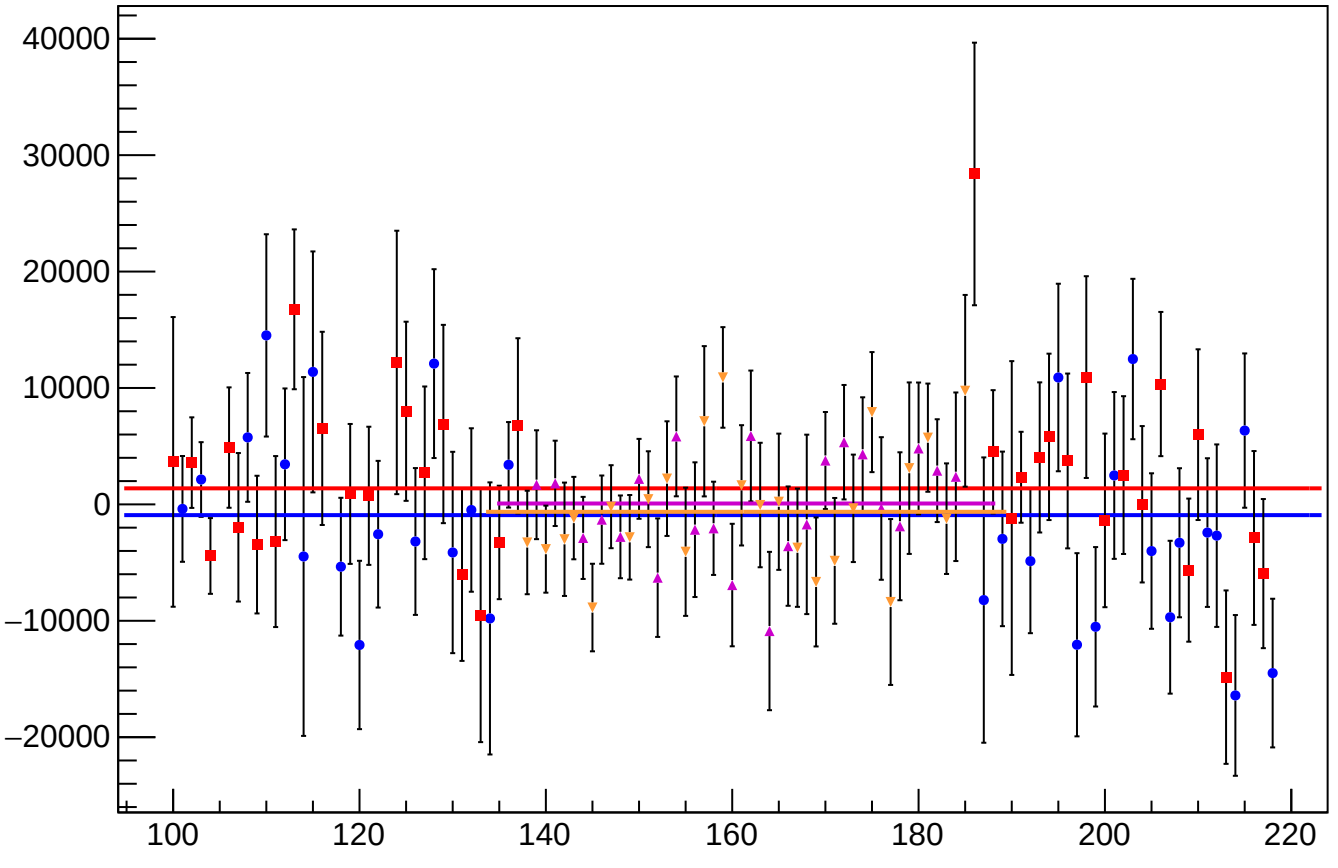
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1929.984+/-0.216 χ^2/NDF: 1127026.9/67

In: 1876.359+/-0.215 χ^2/NDF:797610.3/54

Out: 1877.651+/-0.211 χ^2/NDF:479442.0/60

All: 1877.015+/-0.151 χ^2/NDF: 1277070.7/11



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: 1377.534+/-1057.846 χ^2/NDF: 34.7/35

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

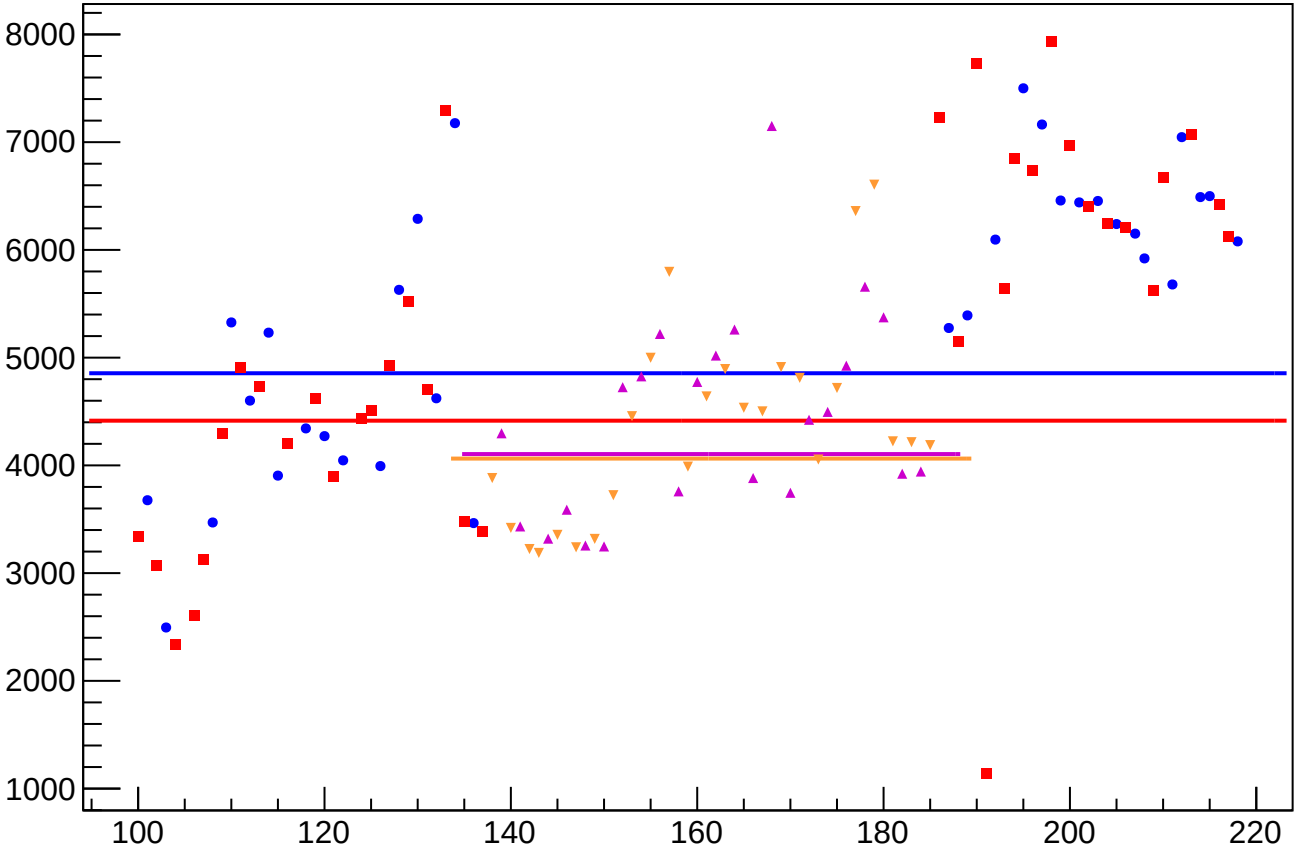
Right: 305.321+/-773.002 χ^2/NDF: 76.1/67

In: -352.157+/-741.118 χ^2/NDF:55.1/54

Out: 258.684+/-705.520 χ^2/NDF:62.7/60

All: -31.715+/-510.999 χ^2/NDF: 118.2/115

asym_atr_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 4414.929+/-0.748 χ^2/NDF: 5776699.5/35

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

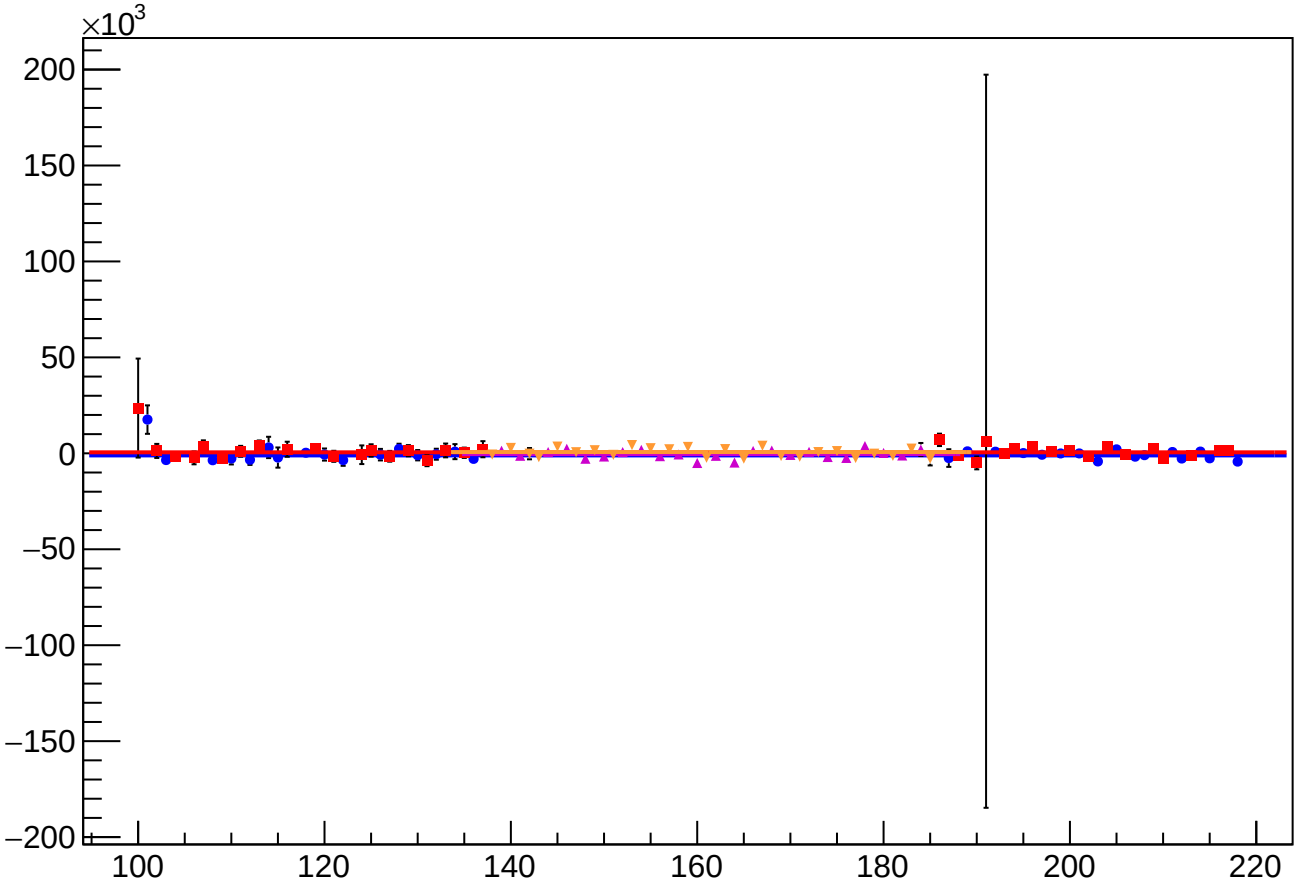
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4620.104+/-0.547 χ^2/NDF: 9359774.0/67

In: 4426.394+/-0.524 χ^2/NDF:5282870.6/54

Out: 4219.600+/-0.499 χ^2/NDF:7304552.1/60

All: 4317.911+/-0.361 χ^2/NDF: 12669109.4/1



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: 517.892+/-434.519 χ^2/NDF: 29.0/35

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

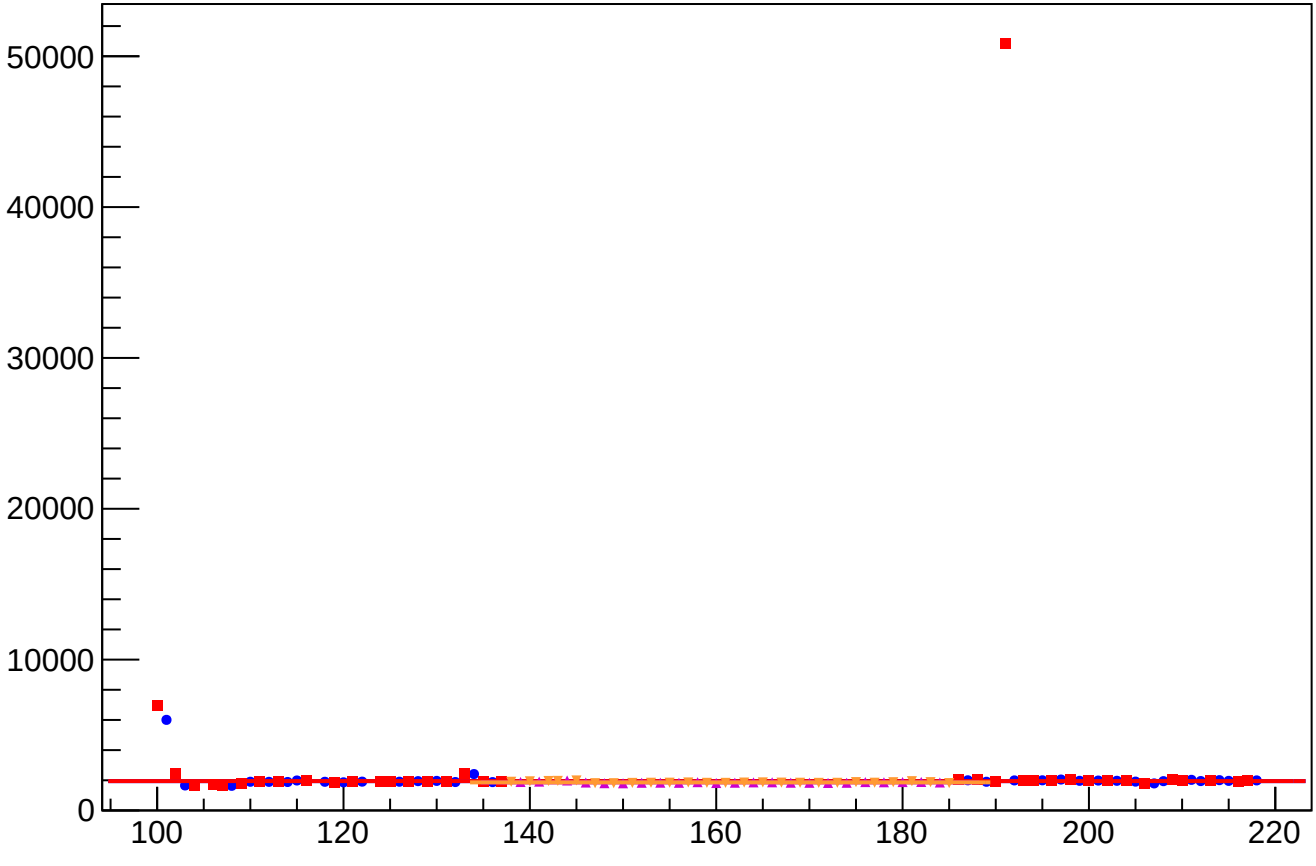
Right: -281.398+/-307.869 χ^2/NDF: 61.9/67

In: -747.133+/-307.633 χ^2/NDF:50.9/54

Out: 589.620+/-303.120 χ^2/NDF:56.1/60

All: -68.878+/-215.916 χ^2/NDF: 116.6/115

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: 1946.624+/-0.307 χ^2/NDF: 409172.7/35

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

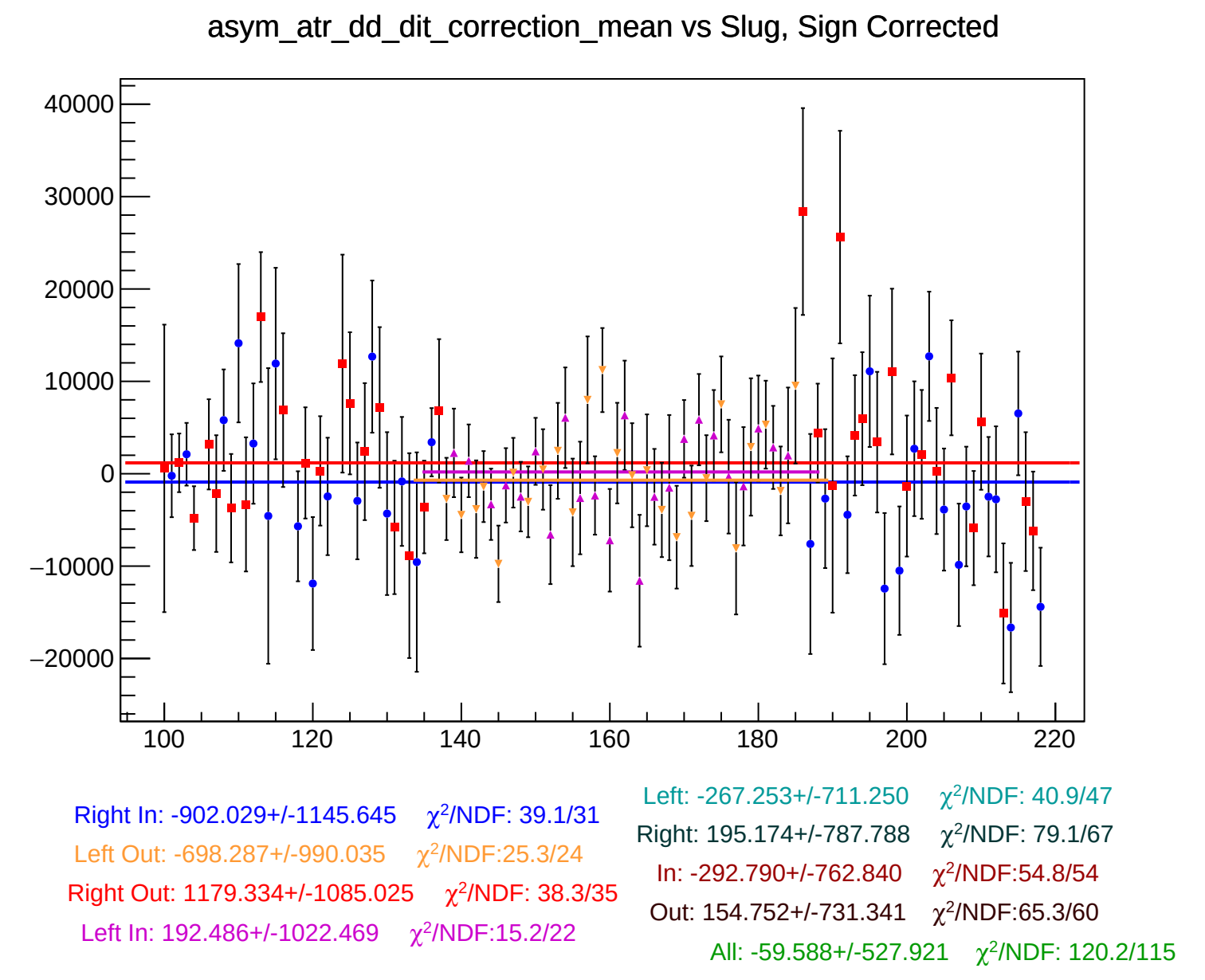
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

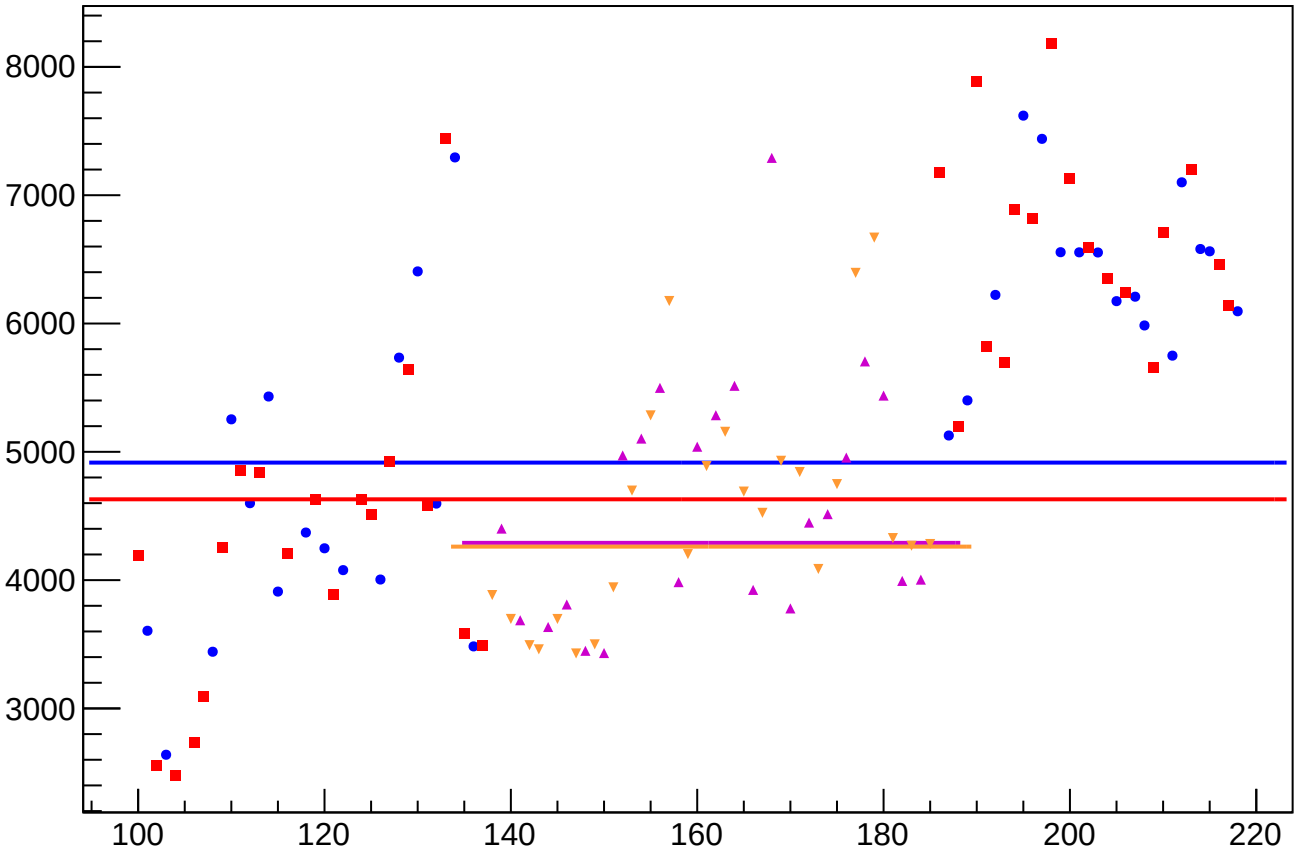
Right: 1945.051+/-0.218 χ^2/NDF: 1136797.0/67

In: 1900.324+/-0.218 χ^2/NDF:782848.1/54

Out: 1903.061+/-0.214 χ^2/NDF:474394.1/60

All: 1901.713+/-0.153 χ^2/NDF: 1257322.4/11


asym_atr_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -902.029+/-1145.645 χ²/NDF: 39.1/31
Left Out: -698.287+/-990.035 χ²/NDF:25.3/24
Right Out: 1179.334+/-1085.025 χ²/NDF: 38.3/35
Left In: 192.486+/-1022.469 χ²/NDF:15.2/22
Left: -267.253+/-711.250 χ²/NDF: 40.9/47
Right: 195.174+/-787.788 χ²/NDF: 79.1/67
In: -292.790+/-762.840 χ²/NDF:54.8/54
Out: 154.752+/-731.341 χ²/NDF:65.3/60
All: -59.588+/-527.921 χ²/NDF: 120.2/115



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: 4629.922+/-0.767 χ^2/NDF: 4688134.9/35

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

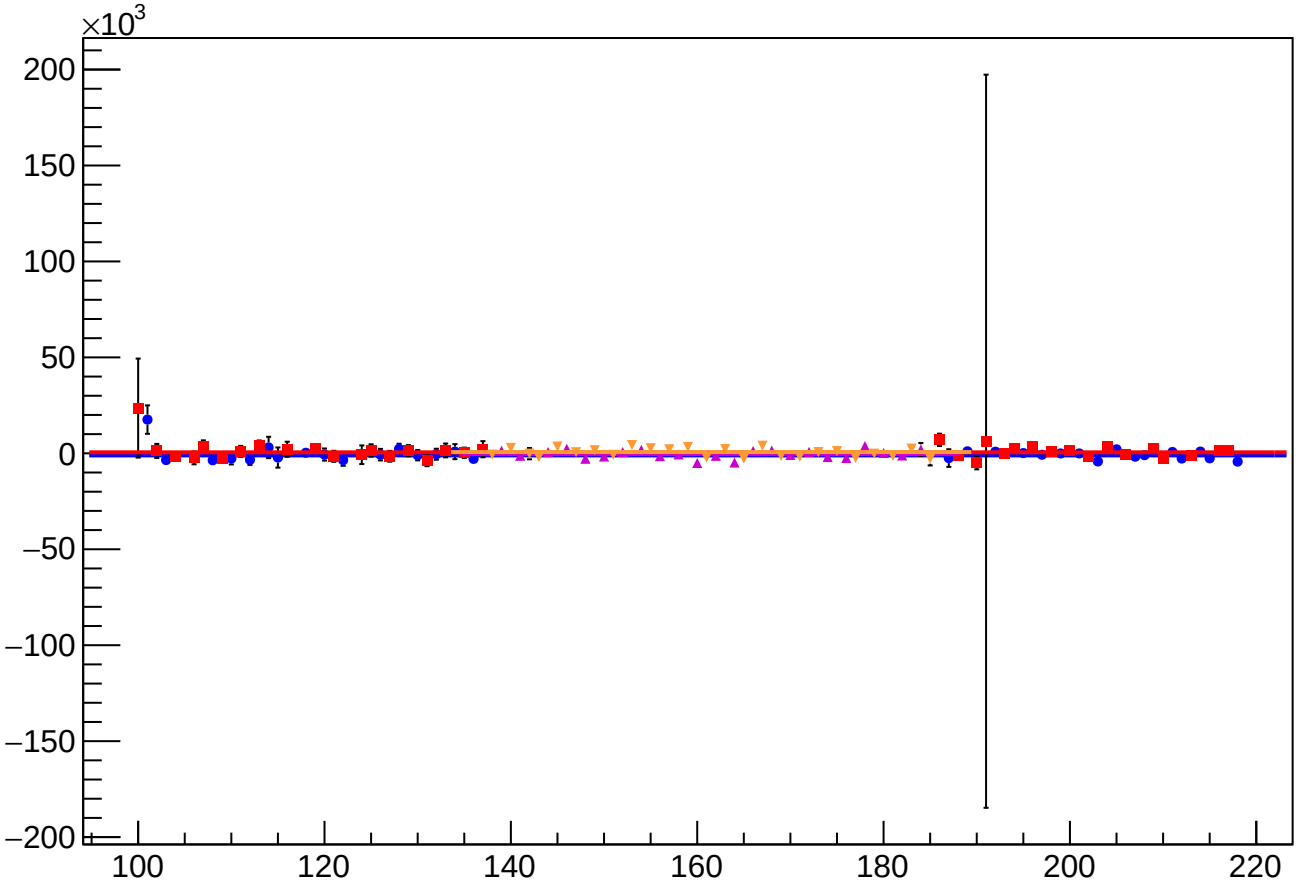
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4765.191+/-0.557 χ^2/NDF: 8085304.7/67

In: 4567.771+/-0.539 χ^2/NDF:4877357.1/54

Out: 4428.676+/-0.517 χ^2/NDF:6004782.0/60

All: 4495.292+/-0.373 χ^2/NDF: 10916787.6/1



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: 517.888+/-434.519 χ^2/NDF: 29.0/35

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

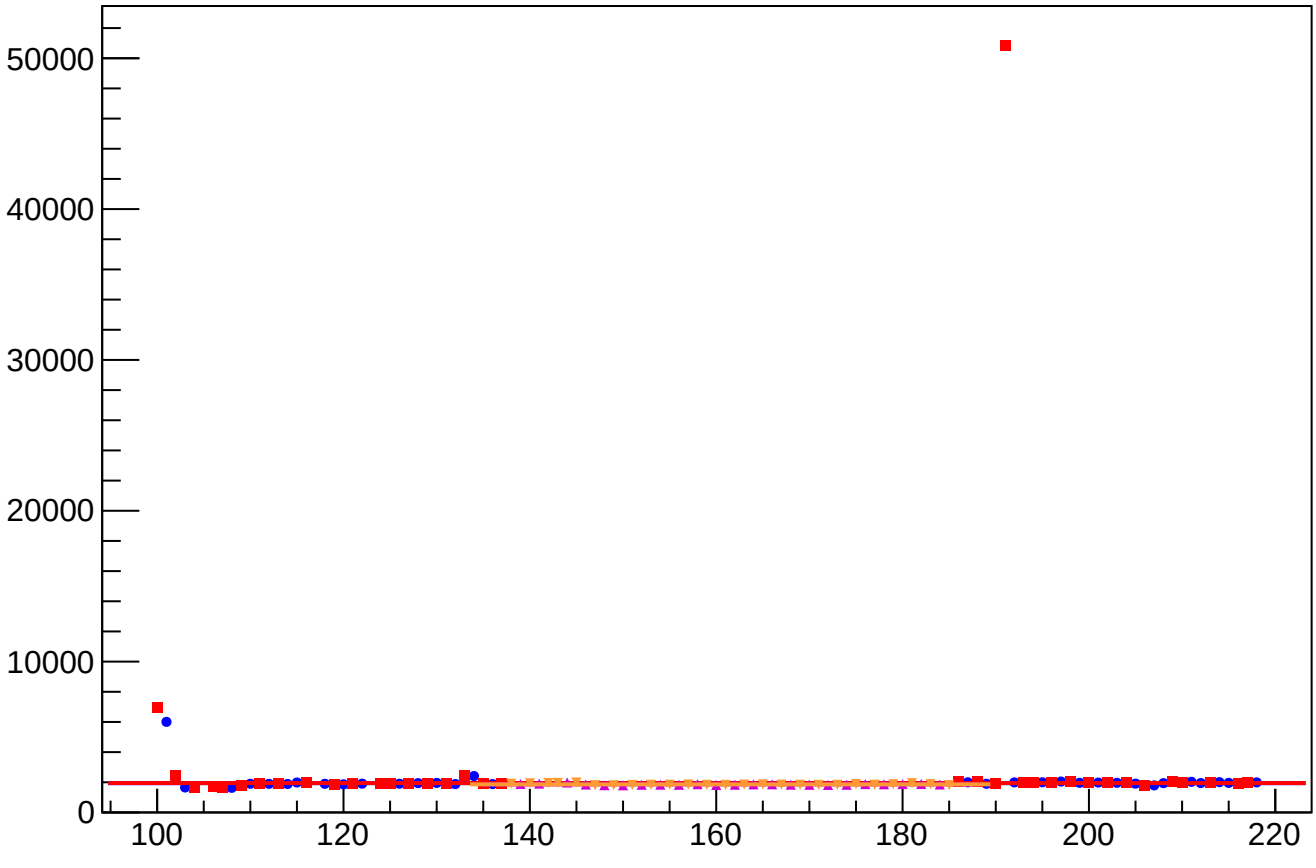
Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

Right: -281.398+/-307.869 χ^2/NDF: 61.9/67

In: -747.130+/-307.633 χ^2/NDF:50.9/54

Out: 589.621+/-303.120 χ^2/NDF:56.1/60

All: -68.877+/-215.916 χ^2/NDF: 116.6/115



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: 1946.624+/-0.307 χ^2/NDF: 409172.9/35

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

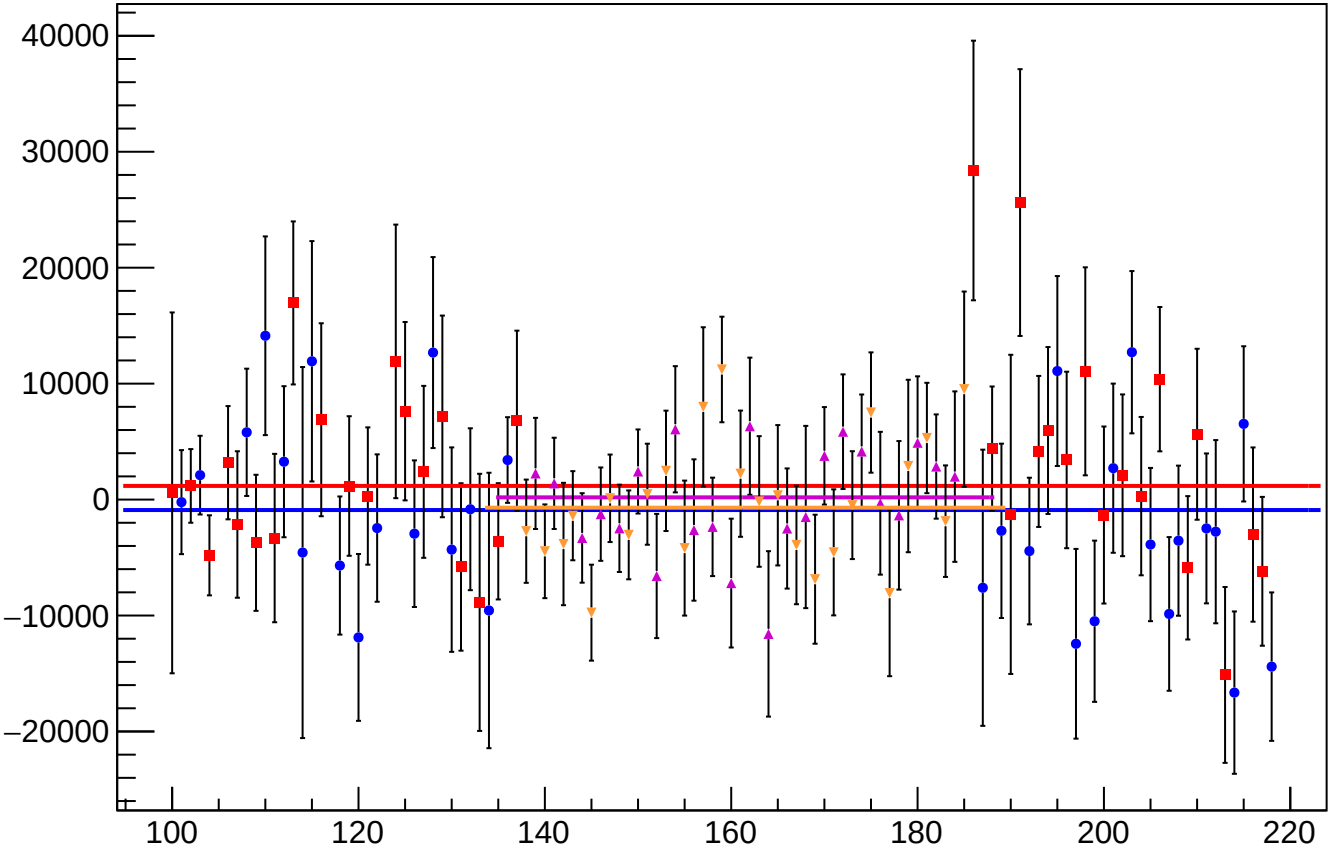
Right: 1945.051+/-0.218 χ^2/NDF: 1136797.0/67

In: 1900.324+/-0.218 χ^2/NDF:782847.3/54

Out: 1903.061+/-0.214 χ^2/NDF:474393.8/60

All: 1901.713+/-0.153 χ^2/NDF: 1257321.4/11

asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 1179.331+/-1085.024 χ^2/NDF: 38.3/35

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

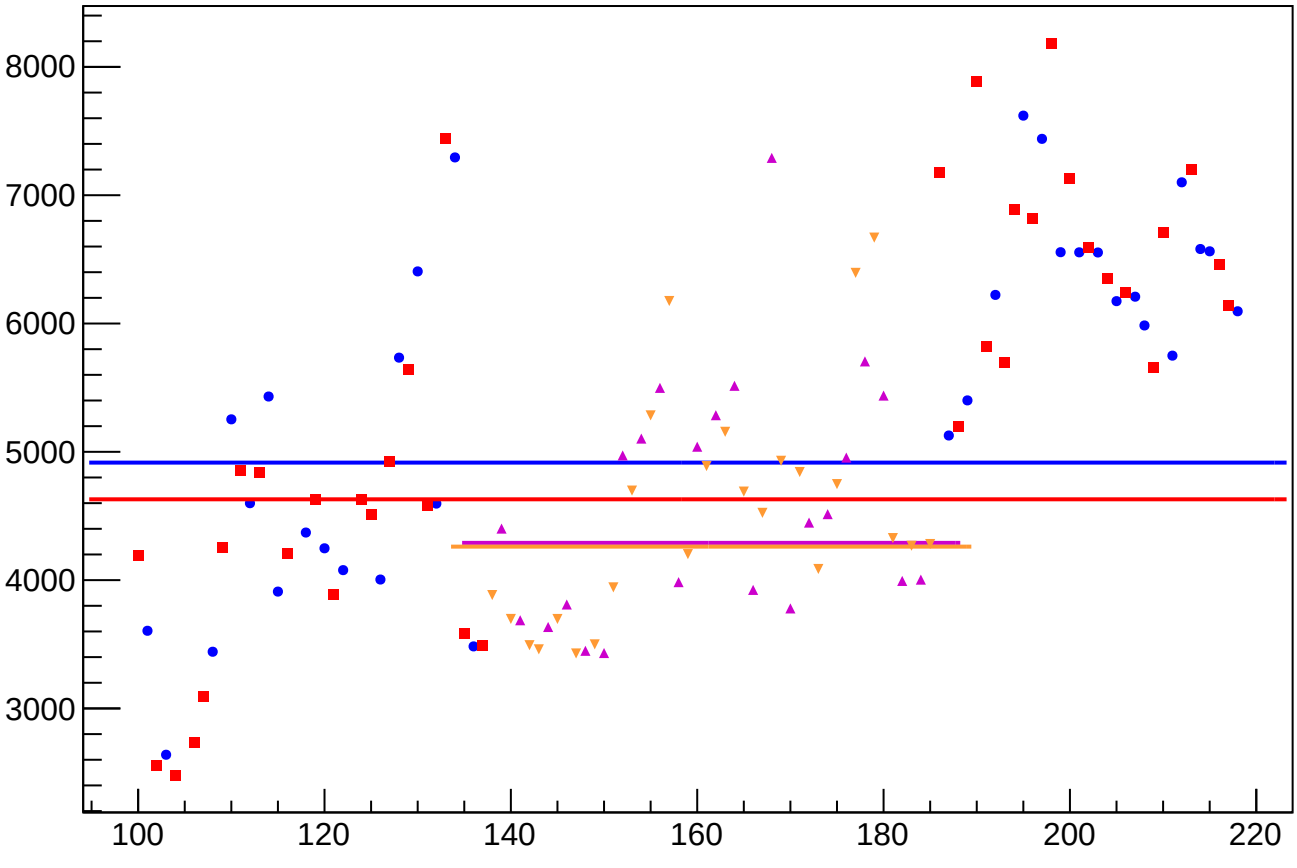
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 195.170+/-787.787 χ^2/NDF: 79.1/67

In: -292.792+/-762.841 χ^2/NDF:54.8/54

Out: 154.753+/-731.342 χ^2/NDF:65.3/60

All: -59.589+/-527.921 χ^2/NDF: 120.2/115



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: 4629.919+/-0.767 χ^2/NDF: 4688145.3/35

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

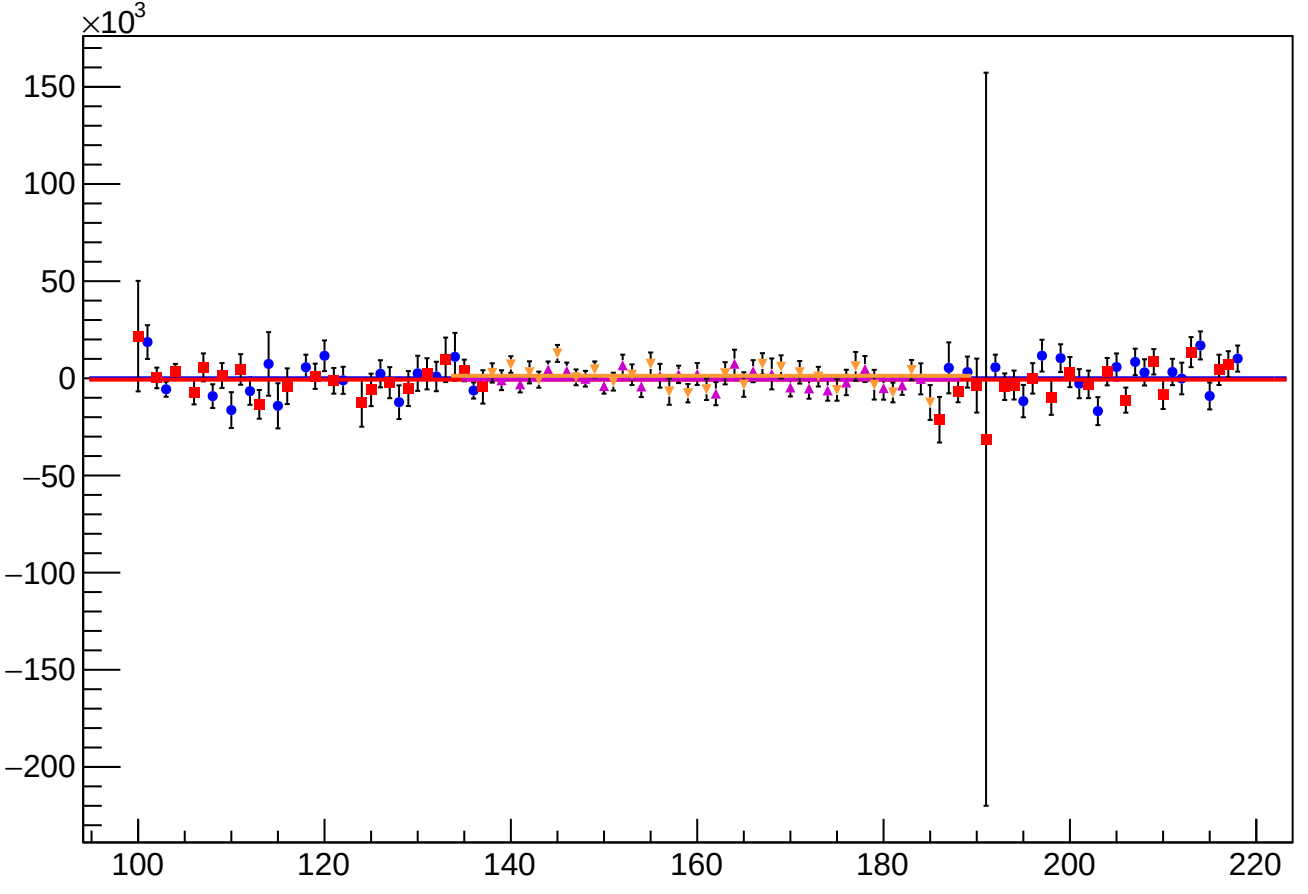
Right: 4765.190+/-0.557 χ^2/NDF: 8085324.4/67

In: 4567.774+/-0.539 χ^2/NDF:4877363.3/54

Out: 4428.679+/-0.517 χ^2/NDF:6004789.1/60

All: 4495.296+/-0.373 χ^2/NDF: 10916801.1/1

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: -671.955+/-1223.981 χ^2/NDF: 27.9/35

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

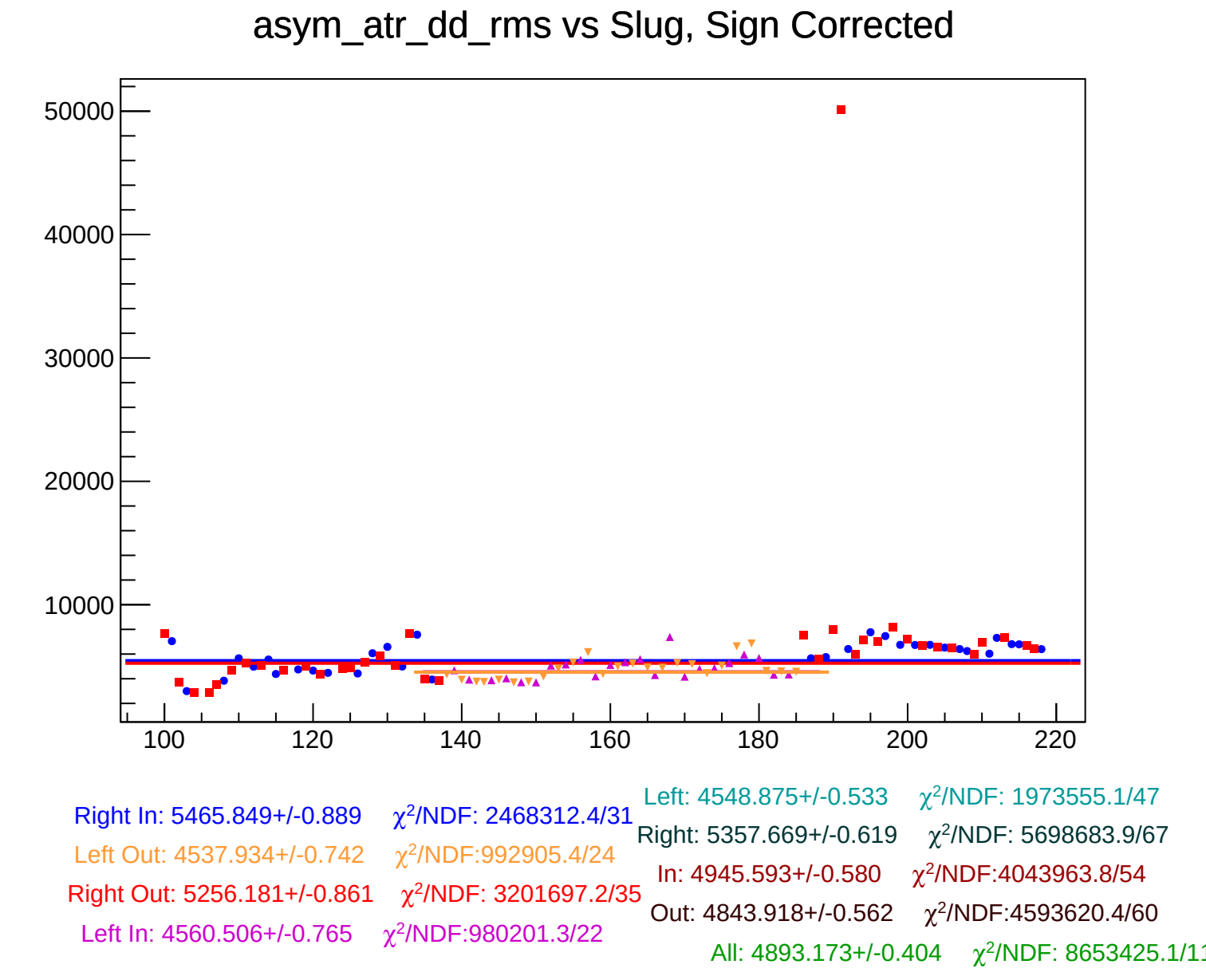
Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

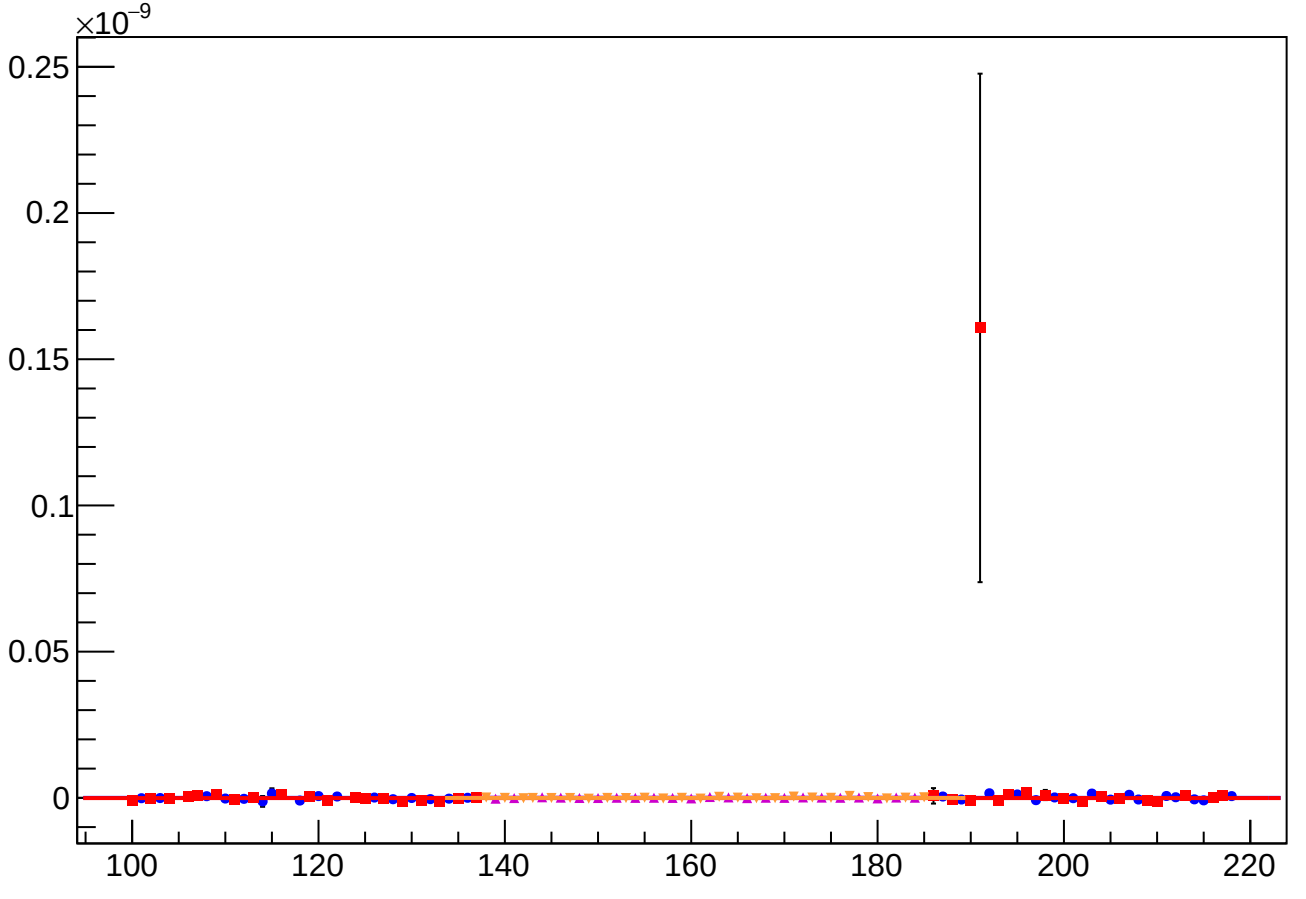
Right: -331.908+/-877.193 χ^2/NDF: 75.9/67

In: -319.691+/-820.314 χ^2/NDF:62.4/54

Out: 463.488+/-796.744 χ^2/NDF:57.9/60

All: 83.312+/-571.534 χ^2/NDF: 120.8/115


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: 5256.181+/-0.861 χ²/NDF: 3201697.2/35
Left In: 4560.506+/-0.765 χ²/NDF:980201.3/22
Left: 4548.875+/-0.533 χ²/NDF: 1973555.1/47
Right: 5357.669+/-0.619 χ²/NDF: 5698683.9/67
In: 4945.593+/-0.580 χ²/NDF:4043963.8/54
Out: 4843.918+/-0.562 χ²/NDF:4593620.4/60
All: 4893.173+/-0.404 χ²/NDF: 8653425.1/11



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: 45.1/35

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

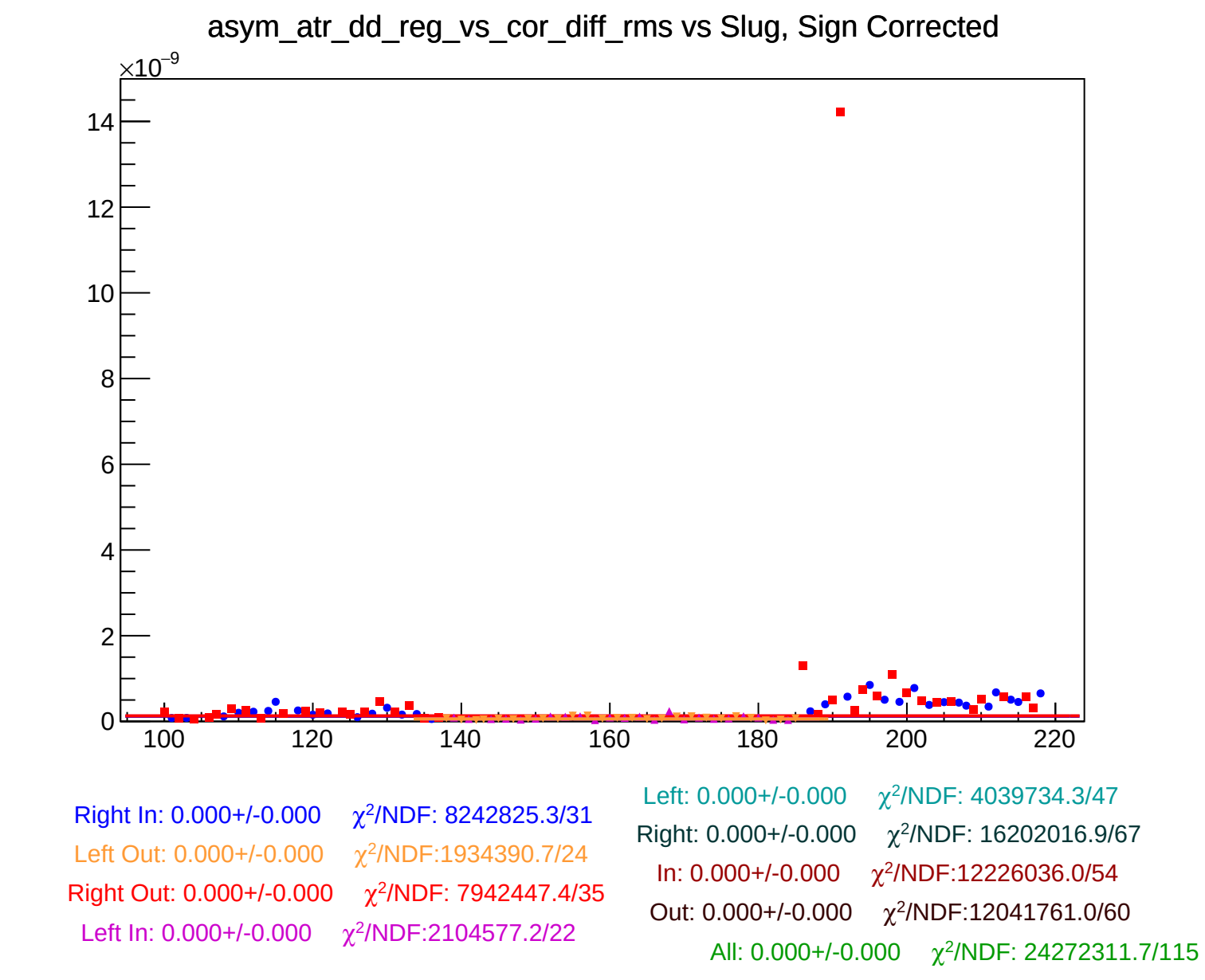
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

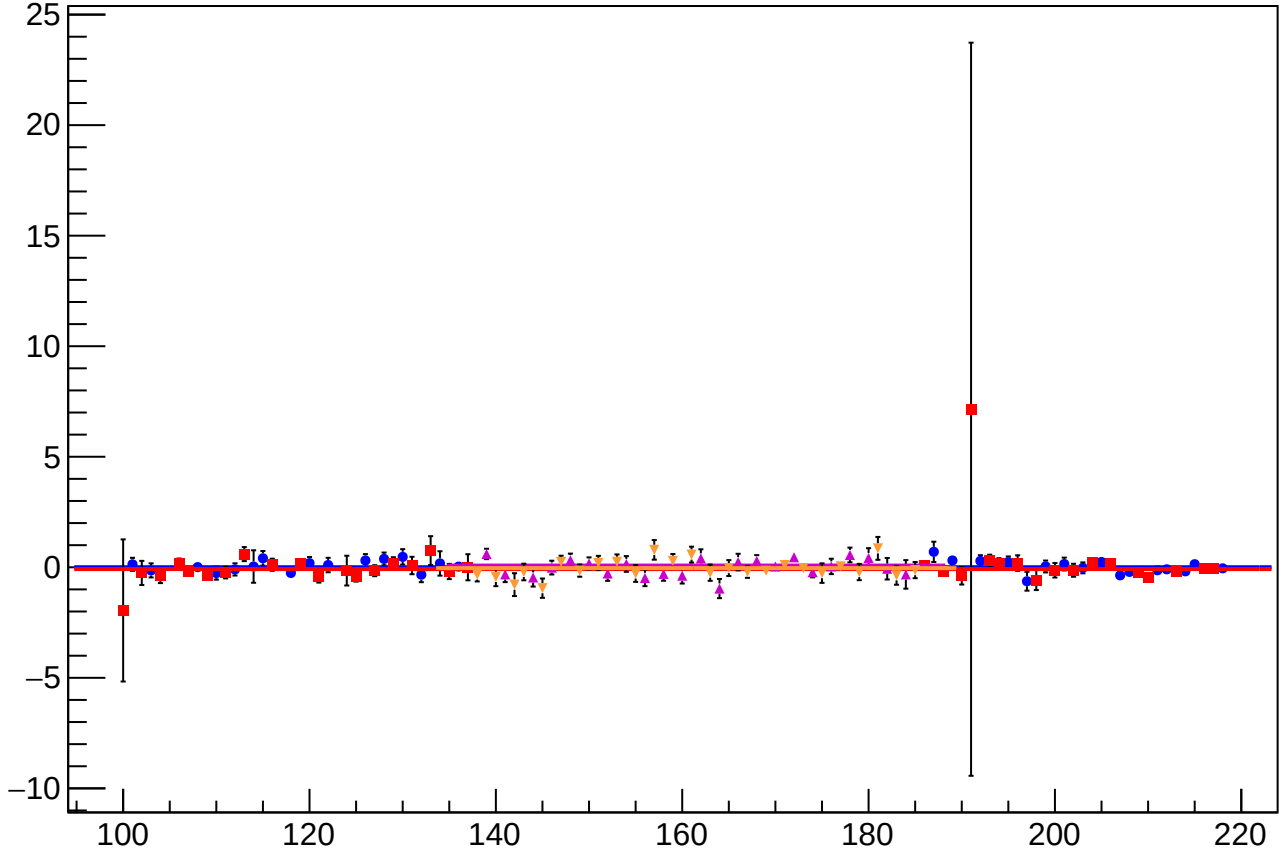
Right: -0.000+/-0.000 χ^2/NDF: 74.6/67

In: 0.000+/-0.000 χ^2/NDF:49.5/54

Out: -0.000+/-0.000 χ^2/NDF:83.6/60

All: -0.000+/-0.000 χ^2/NDF: 135.2/115


asym_atr_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
14
12
10
8
6
4
2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8242825.3/31
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 7942447.4/35
Left In: 0.000+/-0.000 χ²/NDF:2104577.2/22
Left: 0.000+/-0.000 χ²/NDF: 4039734.3/47
Right: 0.000+/-0.000 χ²/NDF: 16202016.9/67
In: 0.000+/-0.000 χ²/NDF:12226036.0/54
Out: 0.000+/-0.000 χ²/NDF:12041761.0/60
All: 0.000+/-0.000 χ²/NDF: 24272311.7/115



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: -0.082+/-0.040 χ^2/NDF: 33.3/35

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

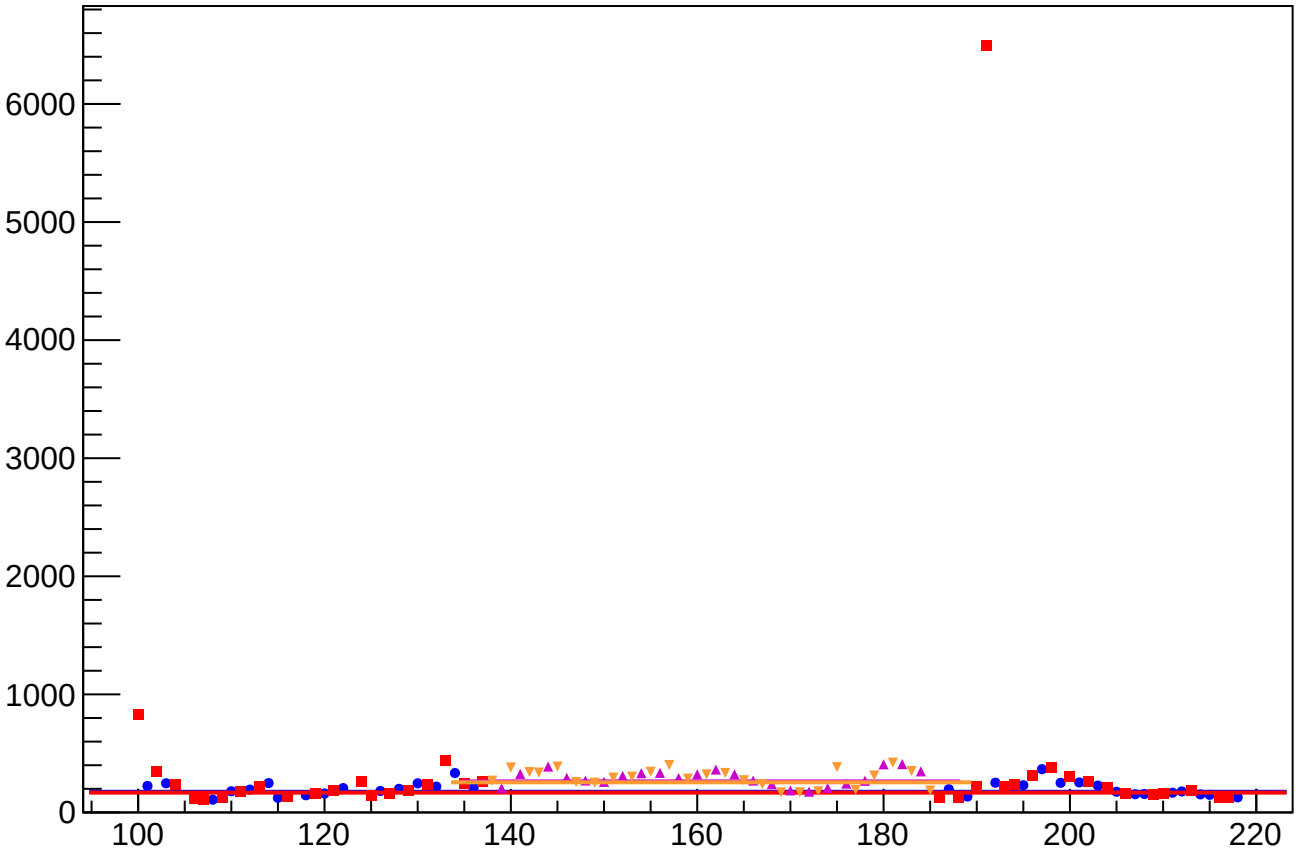
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.040+/-0.029 χ^2/NDF: 66.2/67

In: 0.024+/-0.035 χ^2/NDF:62.8/54

Out: -0.069+/-0.034 χ^2/NDF:58.1/60

All: -0.024+/-0.024 χ^2/NDF: 124.5/115



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: 167.924+/-0.028 χ^2/NDF: 4023848.7/35

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

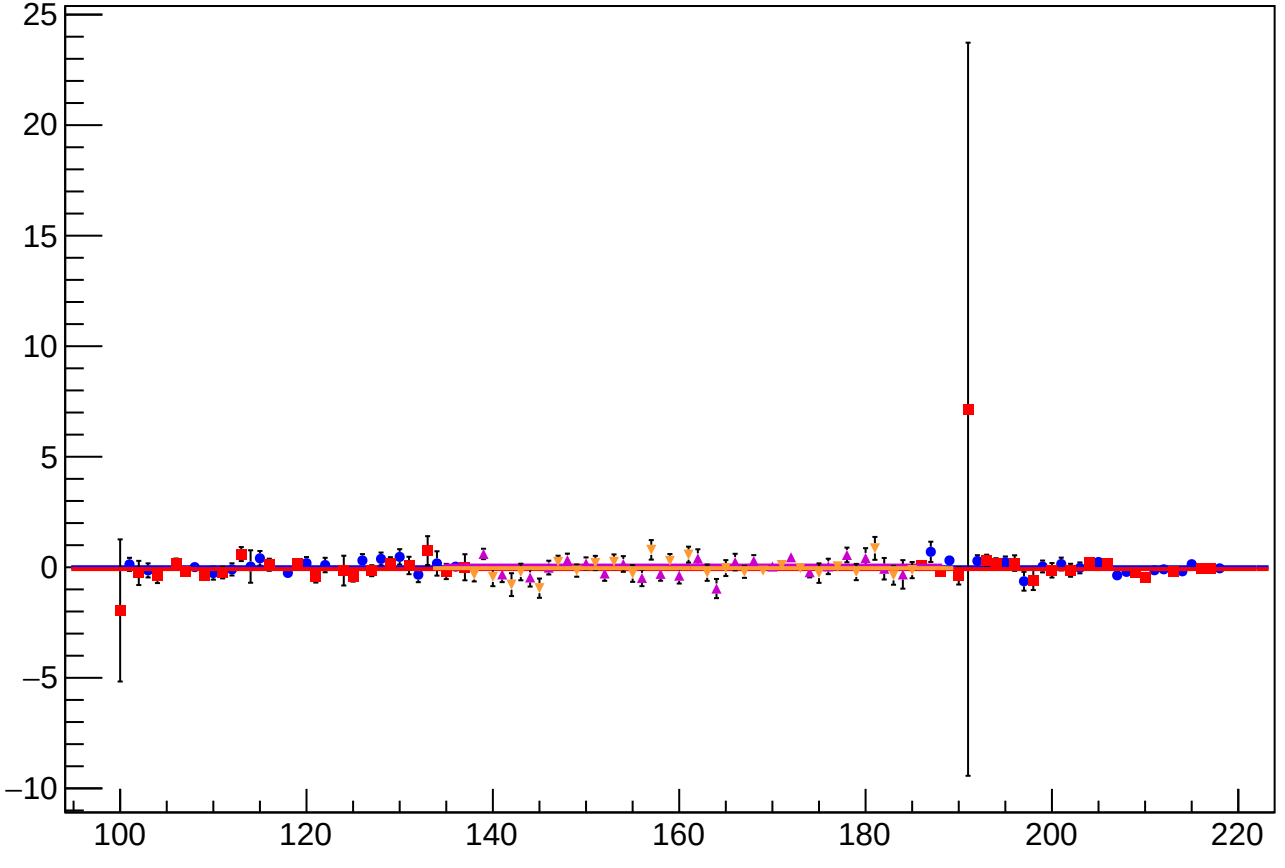
Right: 171.384+/-0.020 χ^2/NDF: 6527966.3/67

In: 200.218+/-0.025 χ^2/NDF:7108691.3/54

Out: 193.936+/-0.024 χ^2/NDF:9760096.4/60

All: 196.986+/-0.017 χ^2/NDF: 16902370.3/11

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.082+/-0.040 χ^2/NDF: 33.3/35

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

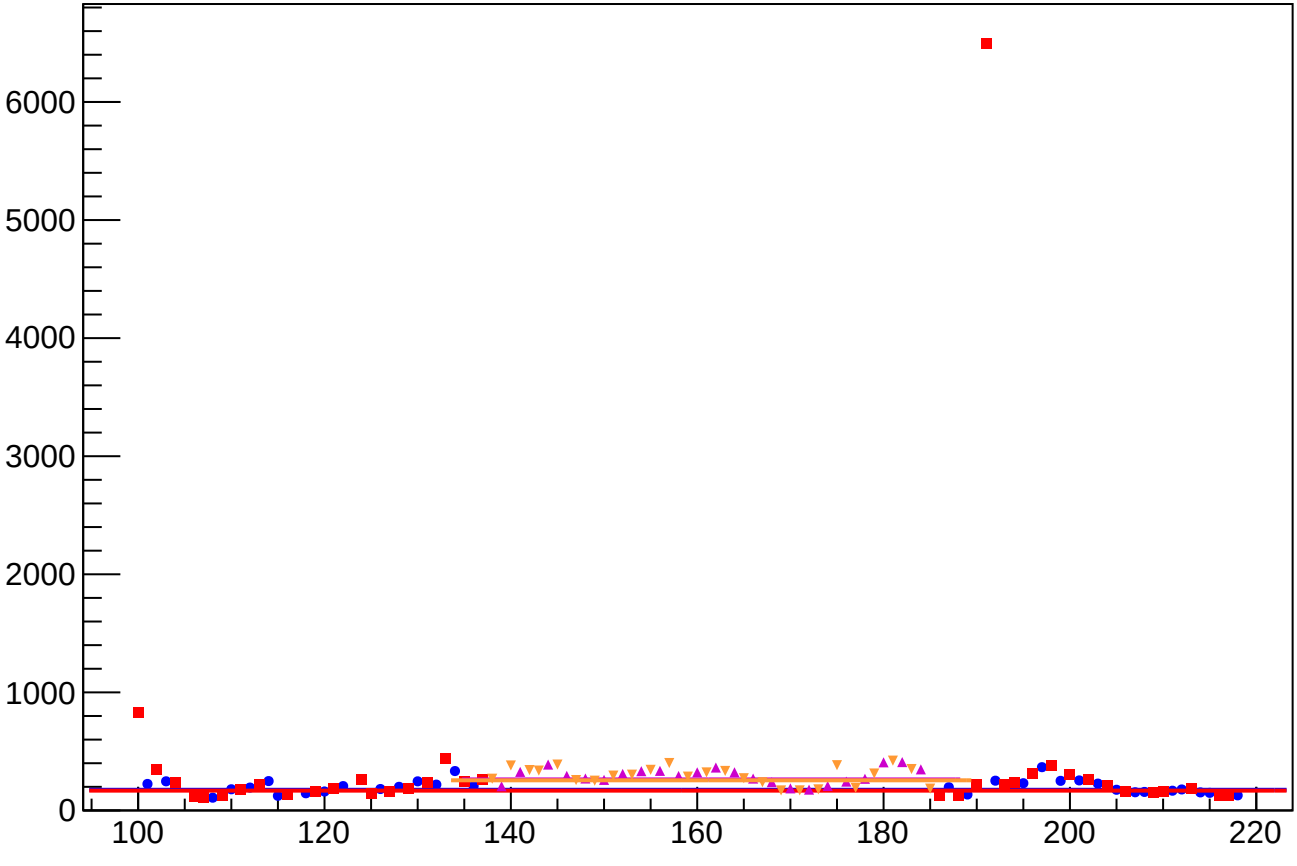
Right: -0.040+/-0.029 χ^2/NDF: 66.2/67

In: 0.024+/-0.035 χ^2/NDF:62.8/54

Out: -0.069+/-0.034 χ^2/NDF:58.1/60

All: -0.024+/-0.024 χ^2/NDF: 124.5/115

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 167.924+/-0.028 χ^2/NDF: 4023848.7/35

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

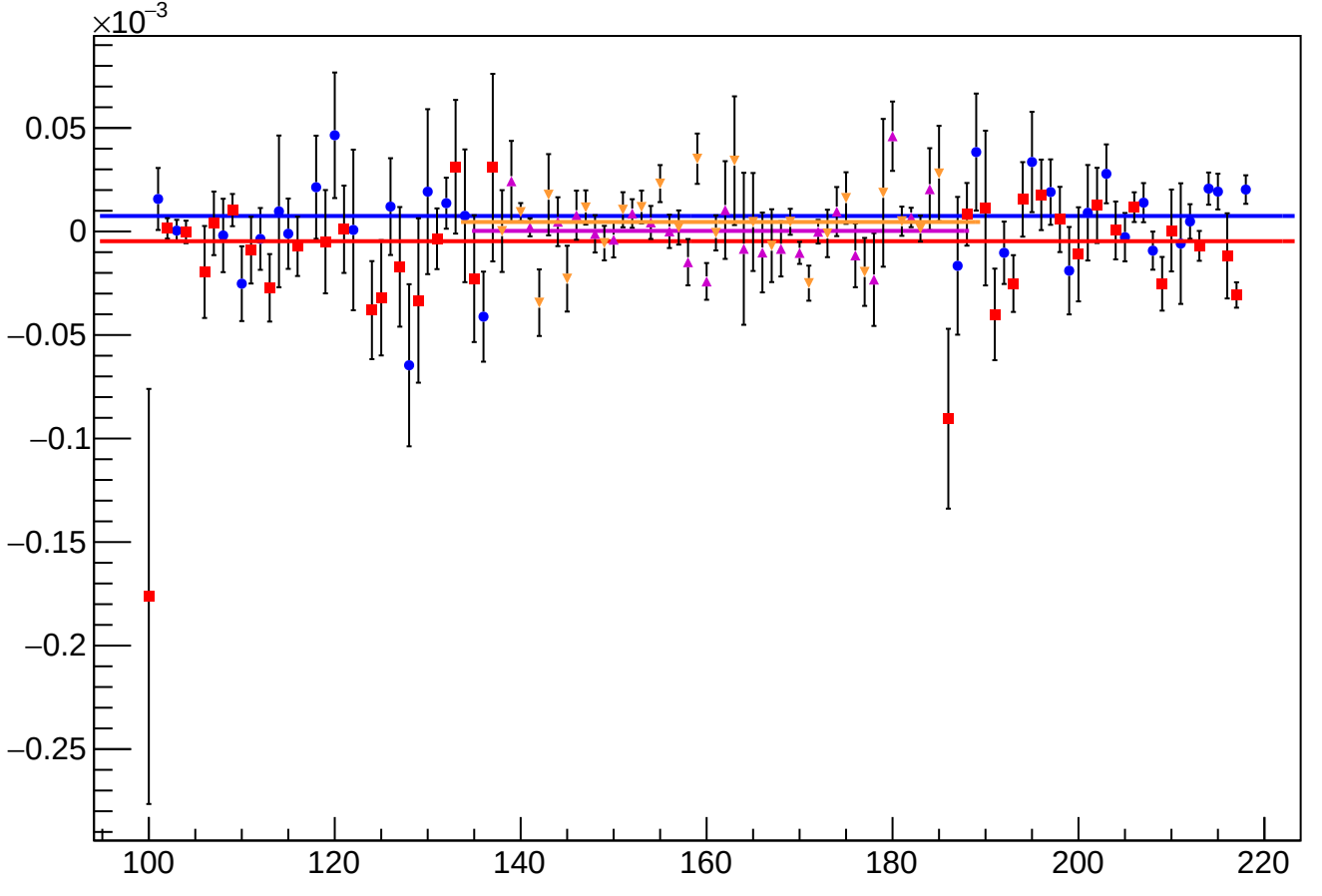
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 171.384+/-0.020 χ^2/NDF: 6527966.3/67

In: 200.218+/-0.025 χ^2/NDF:7108691.3/54

Out: 193.936+/-0.024 χ^2/NDF:9760096.4/60

All: 196.986+/-0.017 χ^2/NDF: 16902370.3/11



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: 57.8/35

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

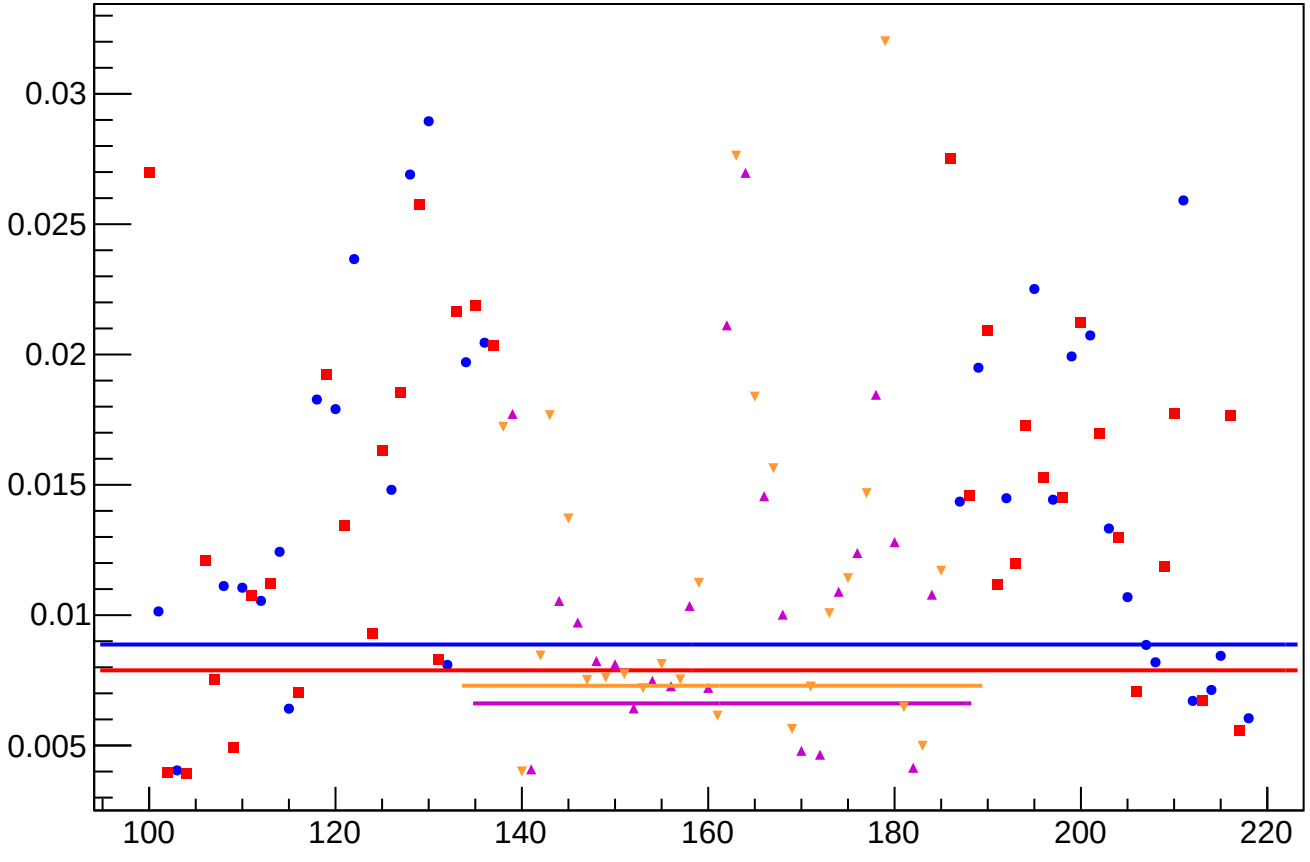
Right: 0.000+/-0.000 χ^2/NDF: 112.1/67

In: 0.000+/-0.000 χ^2/NDF:76.1/54

Out: 0.000+/-0.000 χ^2/NDF:112.2/60

All: 0.000+/-0.000 χ^2/NDF: 190.1/115

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 8593758.9/31

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 10767369.3/35

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

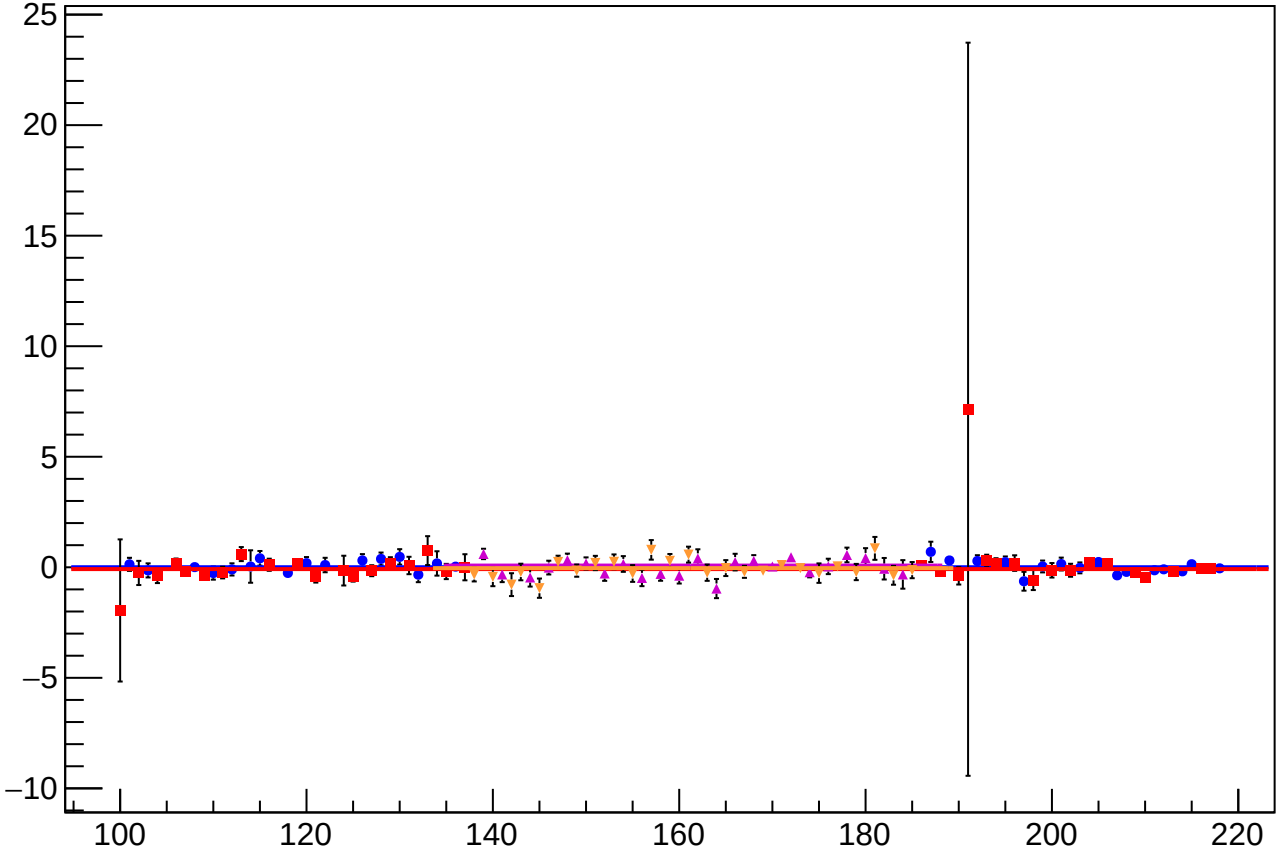
Right: 0.008+/-0.000 χ^2/NDF: 19568053.5/67

In: 0.007+/-0.000 χ^2/NDF:16208952.9/54

Out: 0.008+/-0.000 χ^2/NDF:17629508.1/60

All: 0.008+/-0.000 χ^2/NDF: 33842118.6/115

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.082+/-0.040 χ^2/NDF: 33.3/35

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

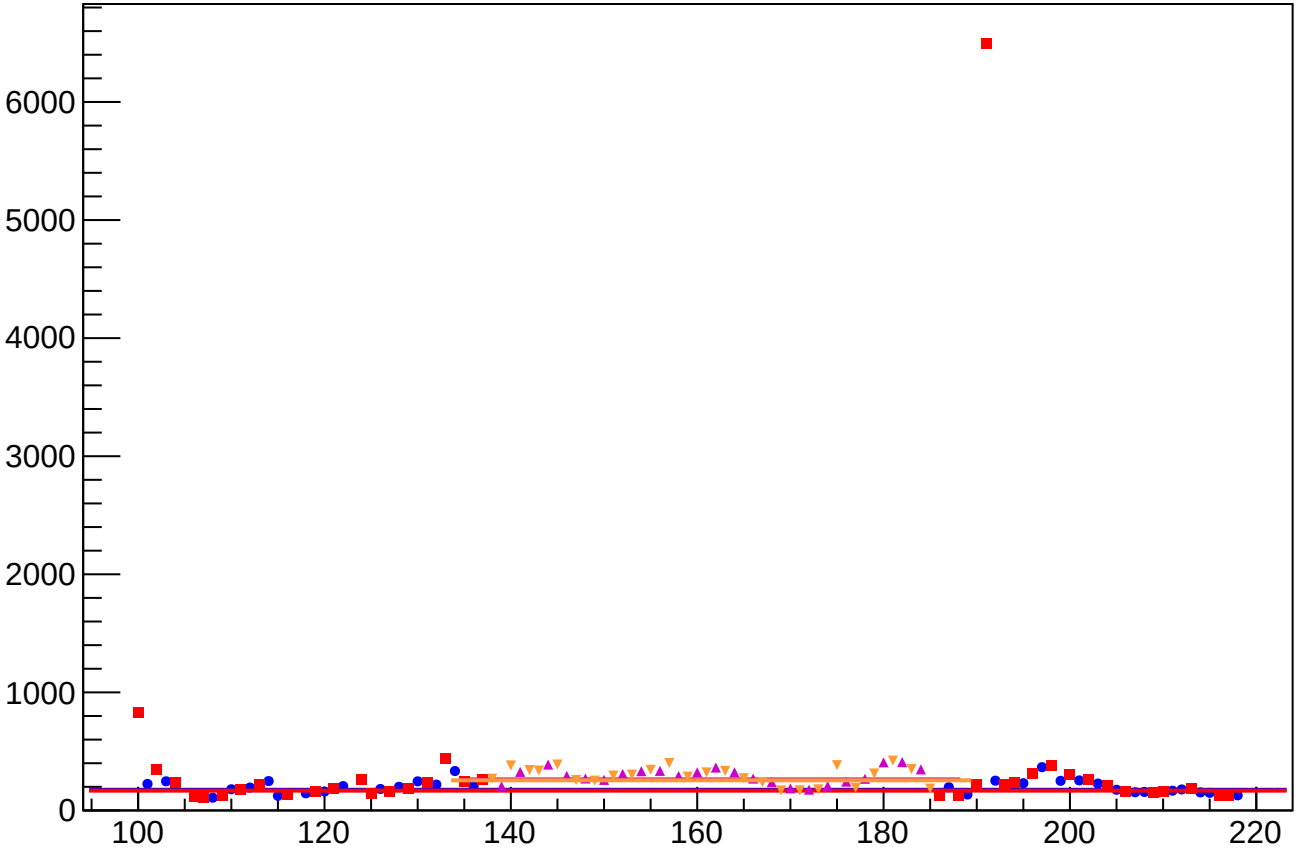
Right: -0.040+/-0.029 χ^2/NDF: 66.2/67

In: 0.024+/-0.035 χ^2/NDF:62.8/54

Out: -0.069+/-0.034 χ^2/NDF:58.1/60

All: -0.024+/-0.024 χ^2/NDF: 124.5/115

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: 167.925+/-0.028 χ^2/NDF: 4023771.6/35

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

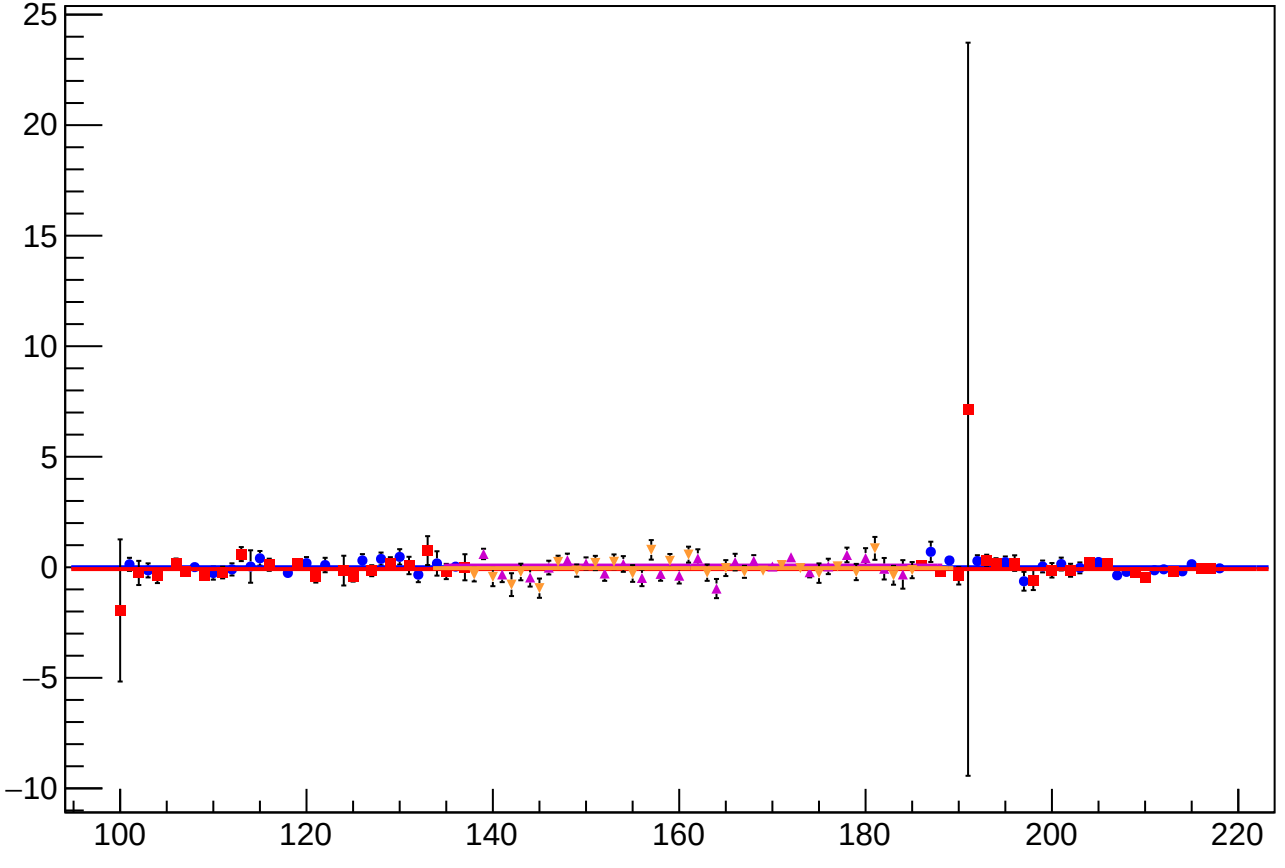
Right: 171.385+/-0.020 χ^2/NDF: 6527879.6/67

In: 200.219+/-0.025 χ^2/NDF:7108820.7/54

Out: 193.938+/-0.024 χ^2/NDF:9760109.5/60

All: 196.987+/-0.017 χ^2/NDF: 16902502.8/11

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.082+/-0.040 χ^2/NDF: 33.3/35

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

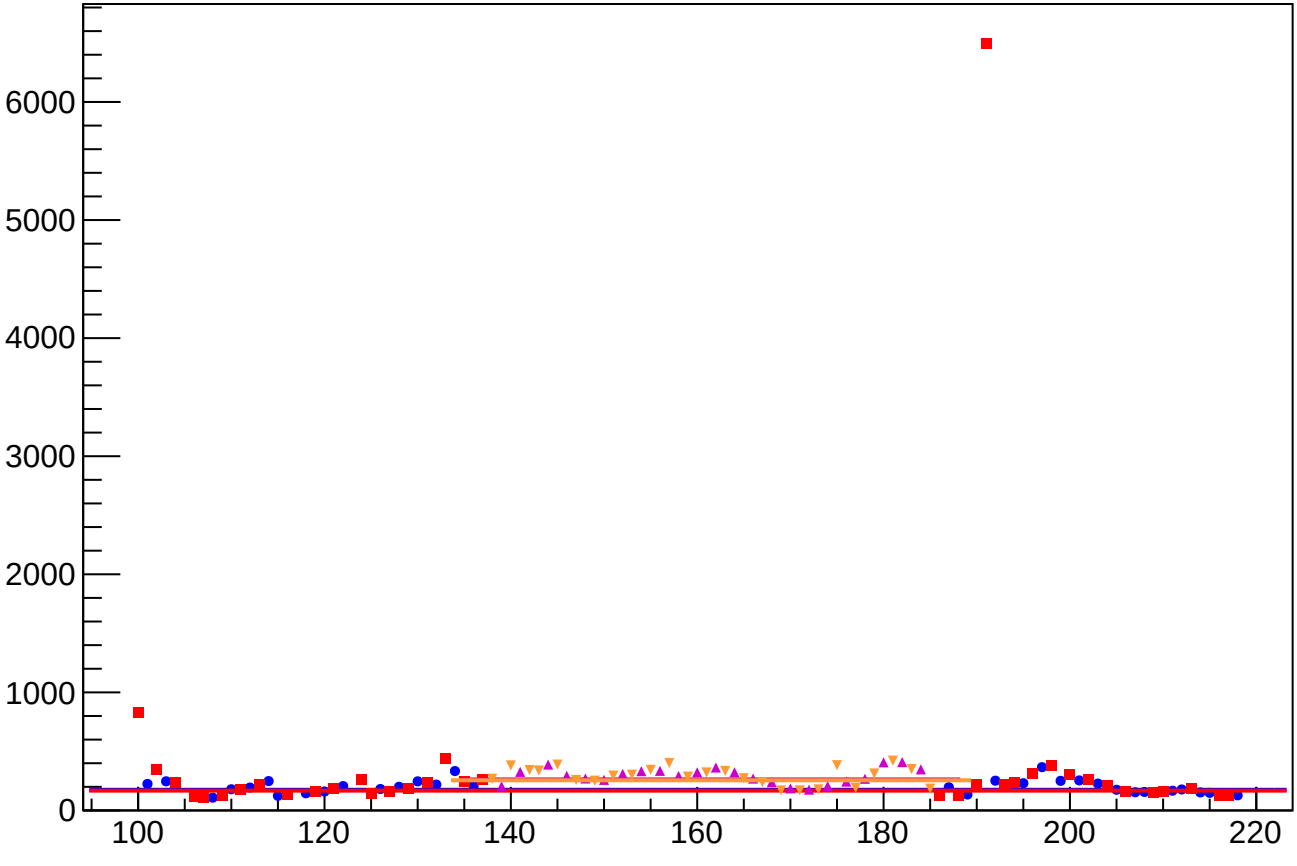
Right: -0.040+/-0.029 χ^2/NDF: 66.2/67

In: 0.024+/-0.035 χ^2/NDF:62.8/54

Out: -0.069+/-0.034 χ^2/NDF:58.1/60

All: -0.024+/-0.024 χ^2/NDF: 124.5/115

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: 167.925+/-0.028 χ^2/NDF: 4023771.6/35

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

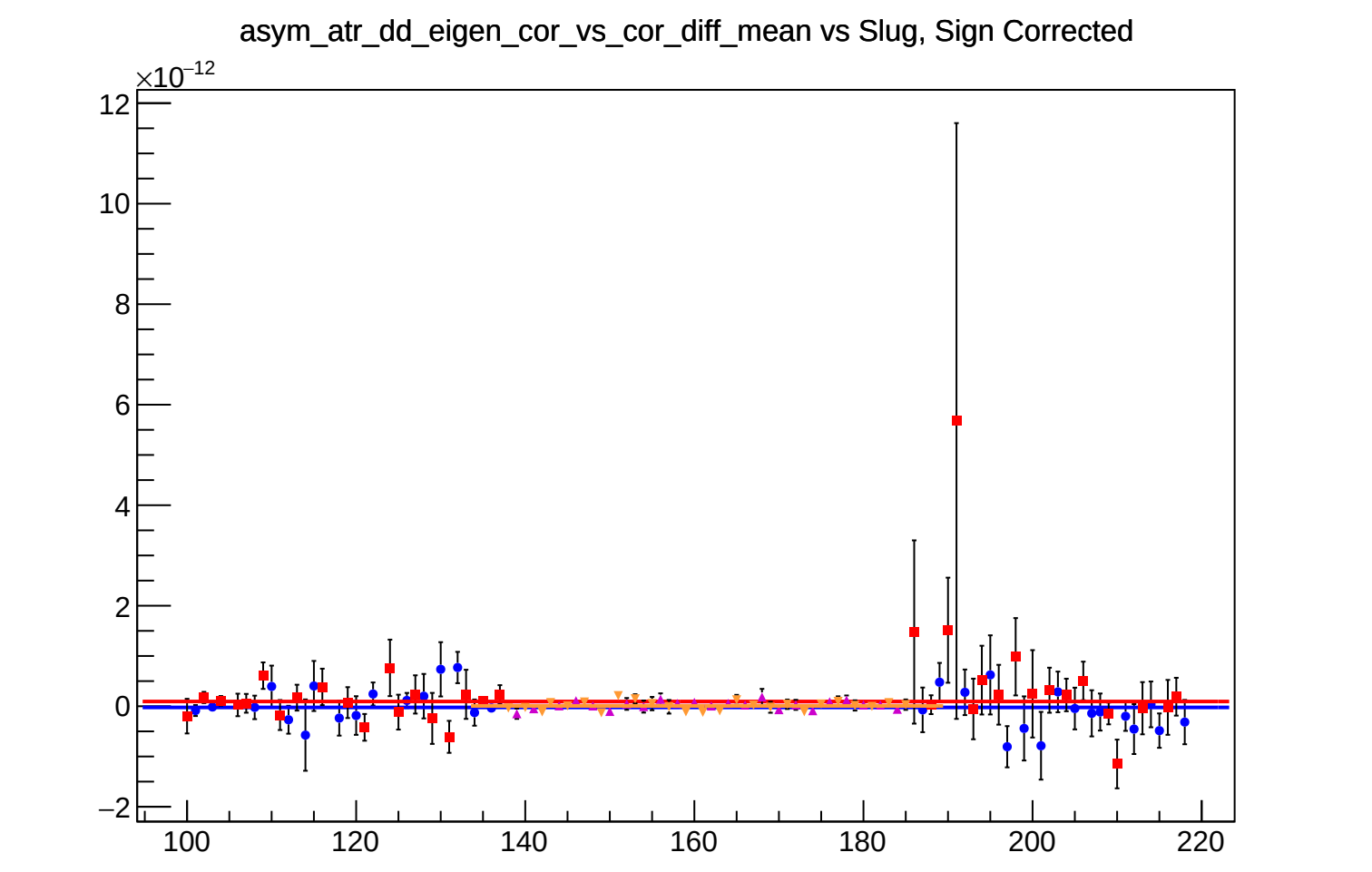
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 171.385+/-0.020 χ^2/NDF: 6527879.6/67

In: 200.219+/-0.025 χ^2/NDF:7108820.7/54

Out: 193.938+/-0.024 χ^2/NDF:9760109.5/60

All: 196.987+/-0.017 χ^2/NDF: 16902502.8/11



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: 33.2/35

Left In: 0.000+/-0.000 χ^2/NDF:21.2/22

Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

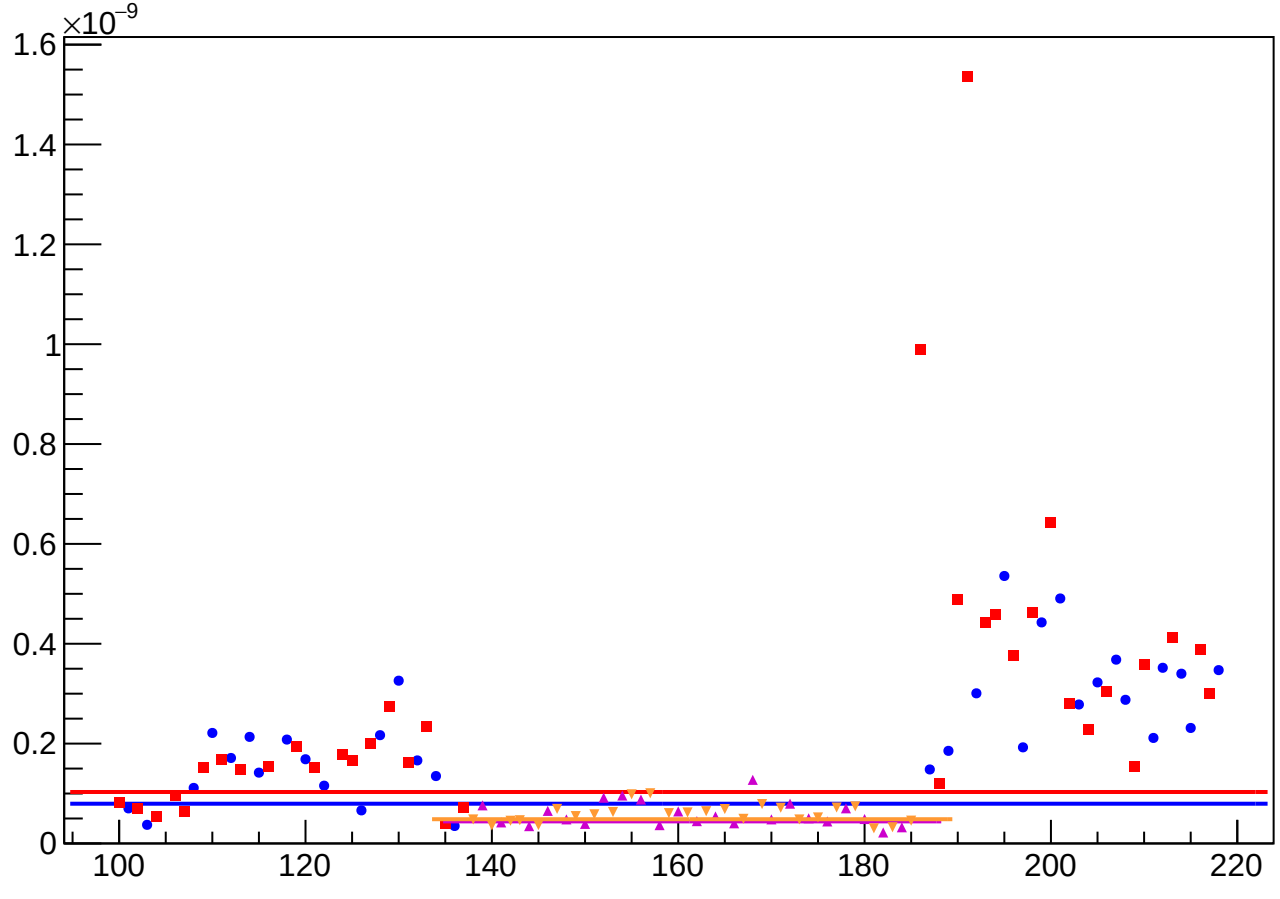
Right: 0.000+/-0.000 χ^2/NDF: 66.0/67

In: 0.000+/-0.000 χ^2/NDF:49.5/54

Out: 0.000+/-0.000 χ^2/NDF:68.3/60

All: 0.000+/-0.000 χ^2/NDF: 118.3/115

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 12361857.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10731134.8/35

Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

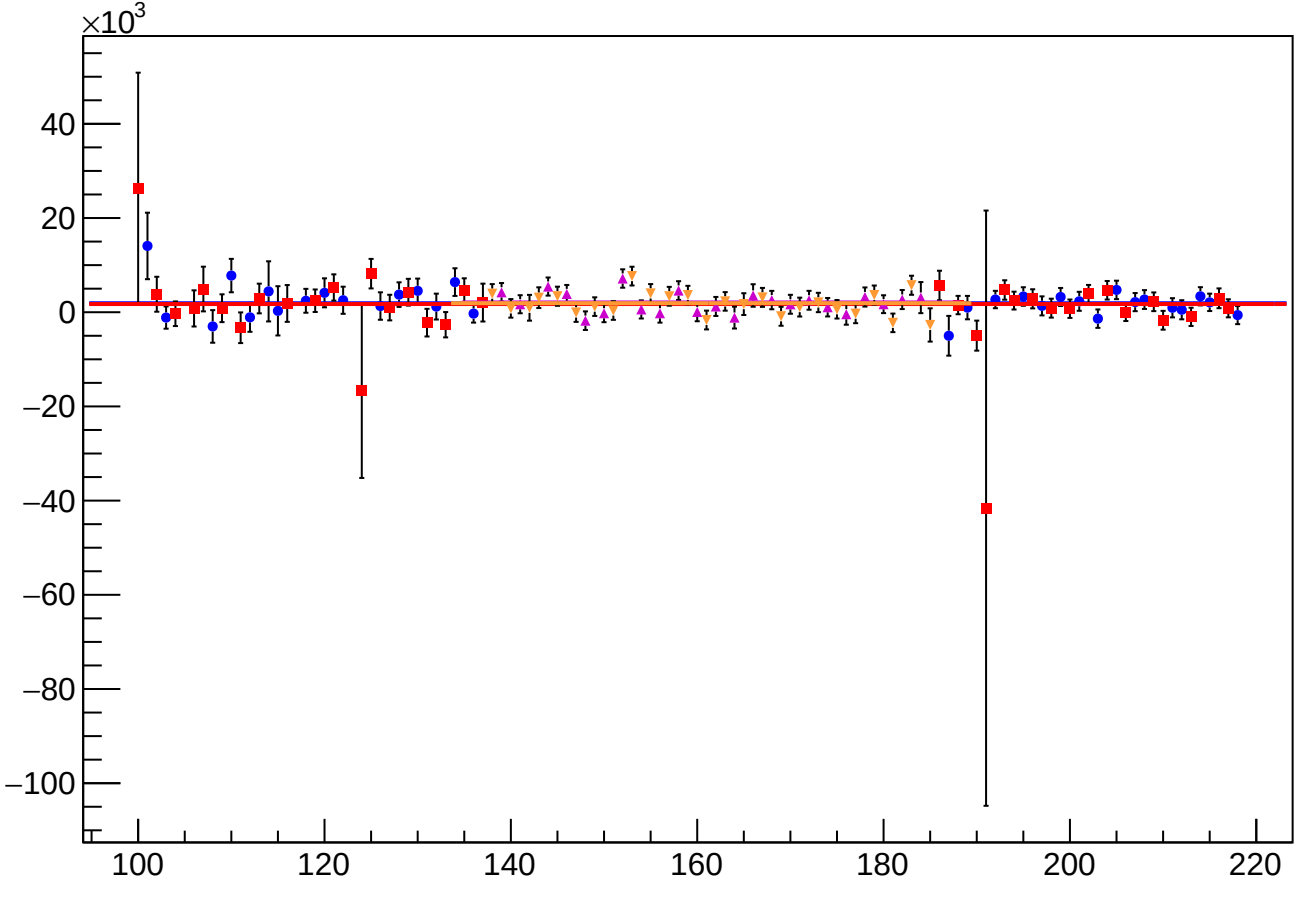
Right: 0.000+/-0.000 χ^2/NDF: 23513311.8/67

In: 0.000+/-0.000 χ^2/NDF:17895756.1/54

Out: 0.000+/-0.000 χ^2/NDF:16713474.0/60

All: 0.000+/-0.000 χ^2/NDF: 34796816.8/115

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: 1737.222+/-419.688 χ^2/NDF: 38.0/35

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

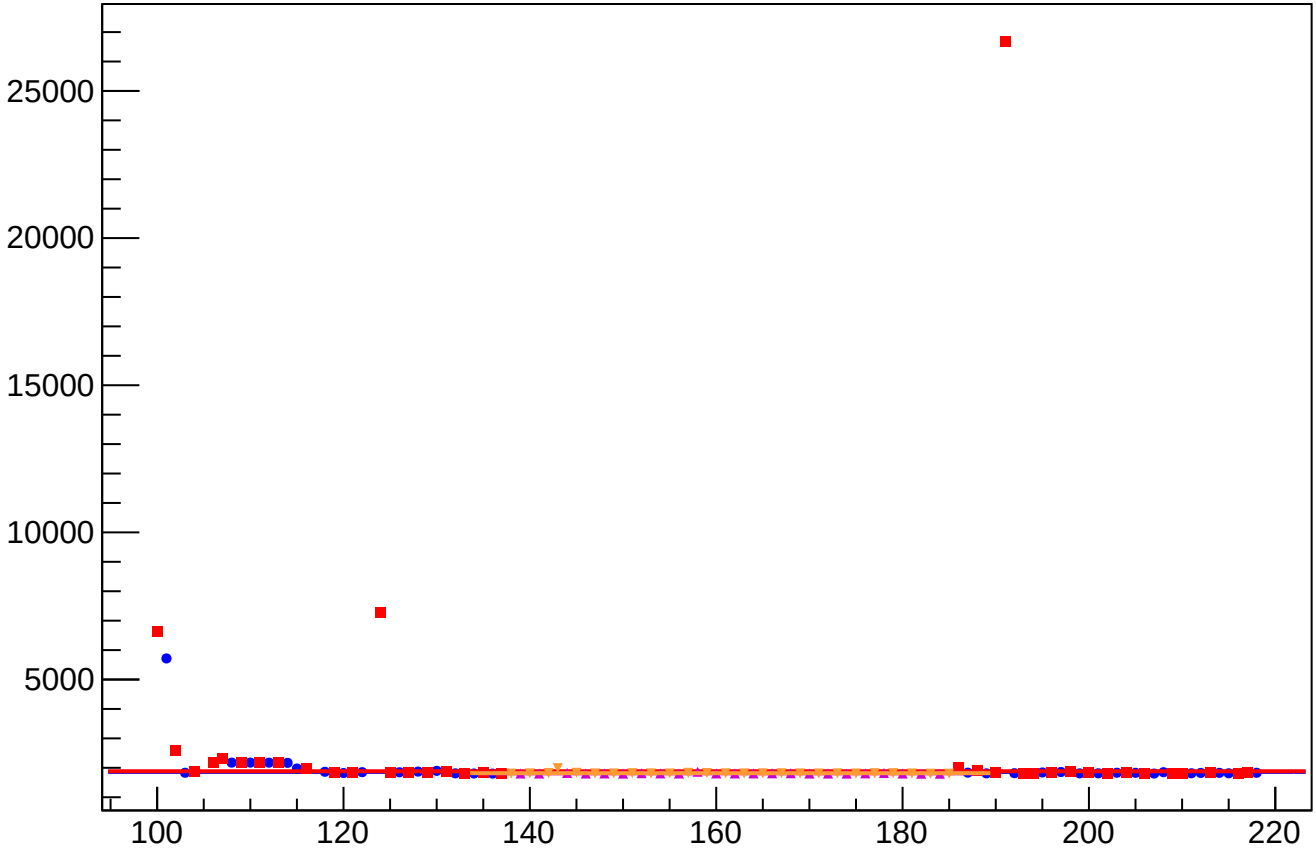
Right: 1820.307+/-296.001 χ^2/NDF: 66.8/67

In: 1987.218+/-297.226 χ^2/NDF:55.3/54

Out: 1830.414+/-294.340 χ^2/NDF:70.7/60

All: 1908.051+/-209.143 χ^2/NDF: 126.1/115

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: 1882.405+/-0.297 χ^2/NDF: 745214.0/35

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

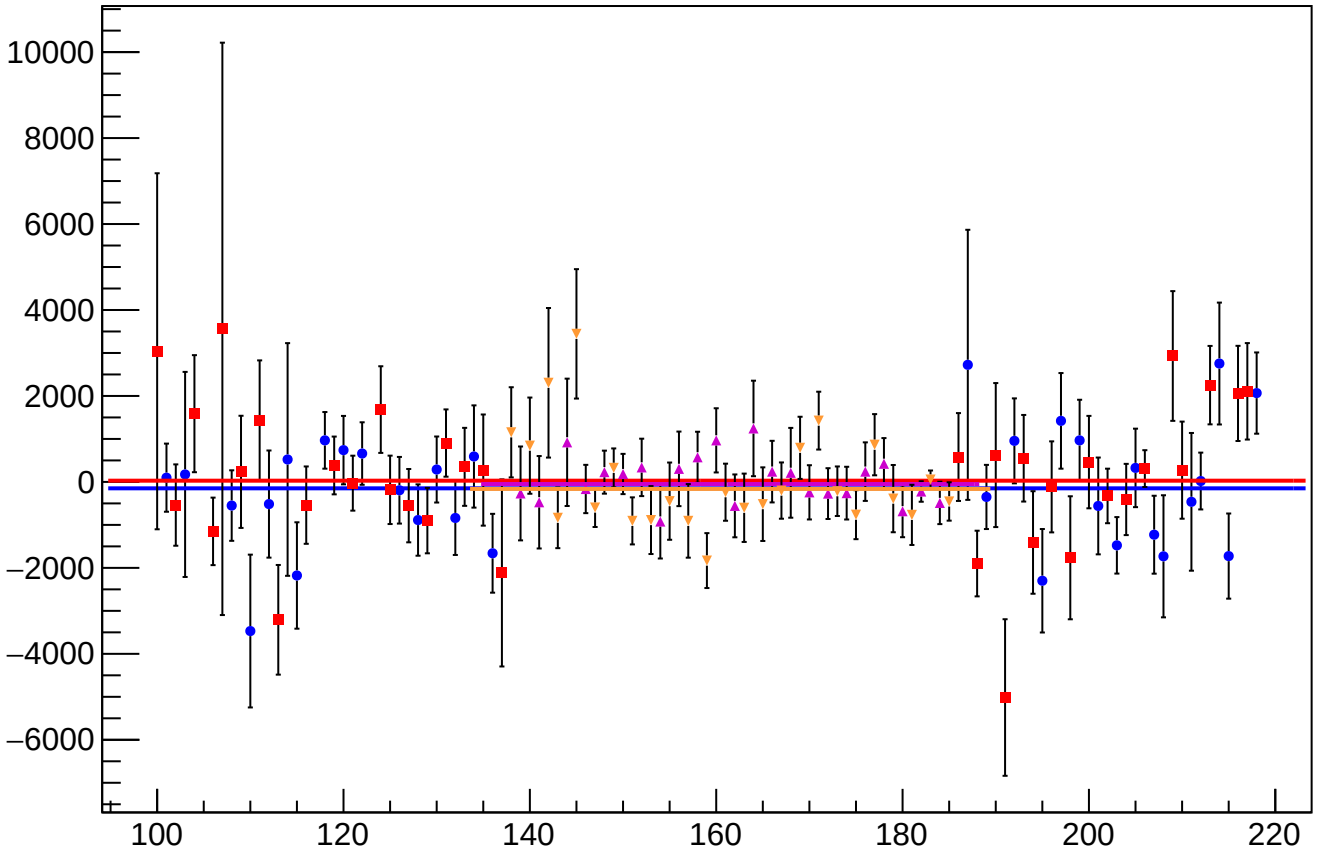
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1871.936+/-0.209 χ^2/NDF: 1418598.6/67

In: 1837.390+/-0.210 χ^2/NDF:686524.1/54

Out: 1849.437+/-0.208 χ^2/NDF:782456.9/60

All: 1843.472+/-0.148 χ^2/NDF: 1470639.9/11



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: 28.607+/-156.207 χ^2/NDF: 55.4/35

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

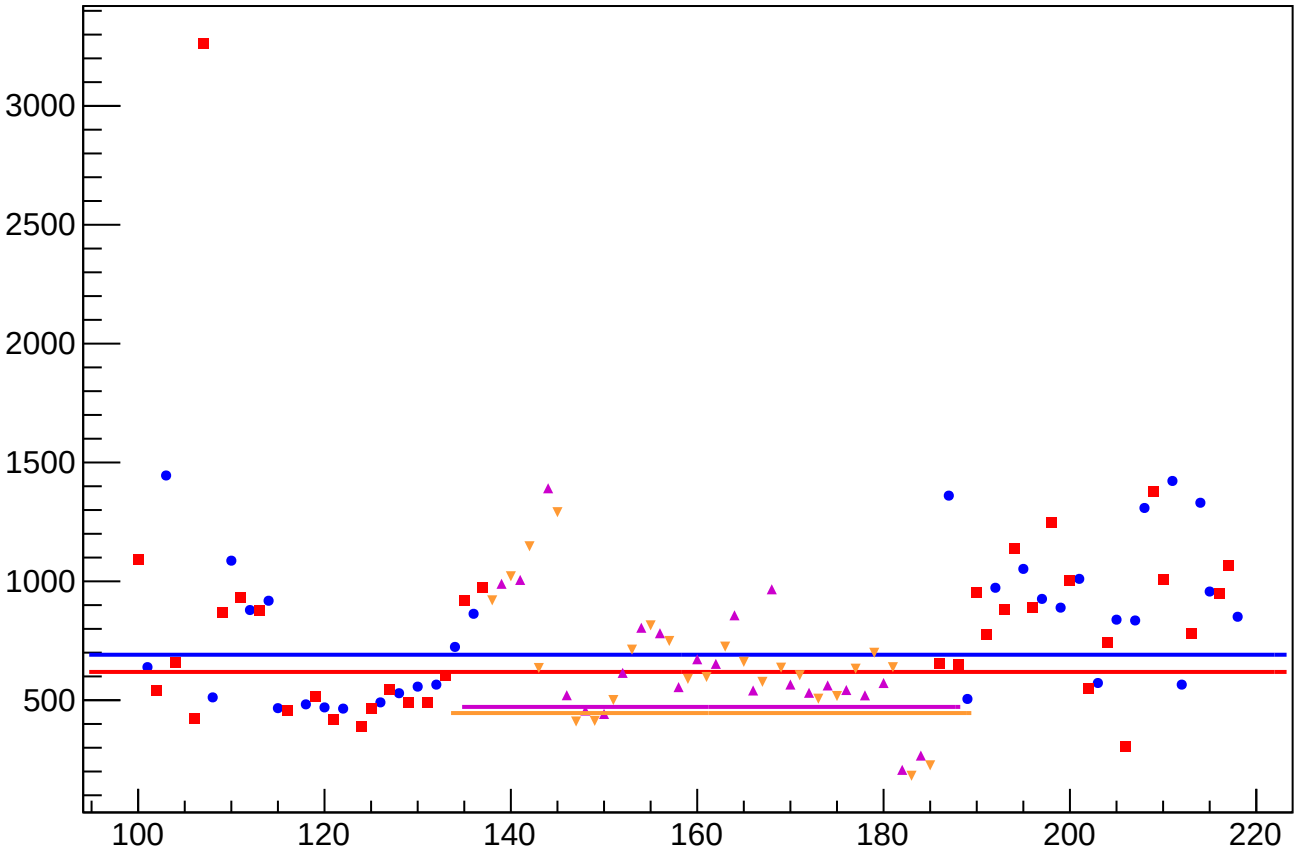
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -54.244+/-114.195 χ^2/NDF: 101.1/67

In: -84.267+/-98.950 χ^2/NDF:56.7/54

Out: -95.425+/-92.764 χ^2/NDF:93.2/60

All: -90.206+/-67.675 χ^2/NDF: 149.9/115



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: 618.871+/-0.110 χ^2/NDF: 5329558.1/35

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

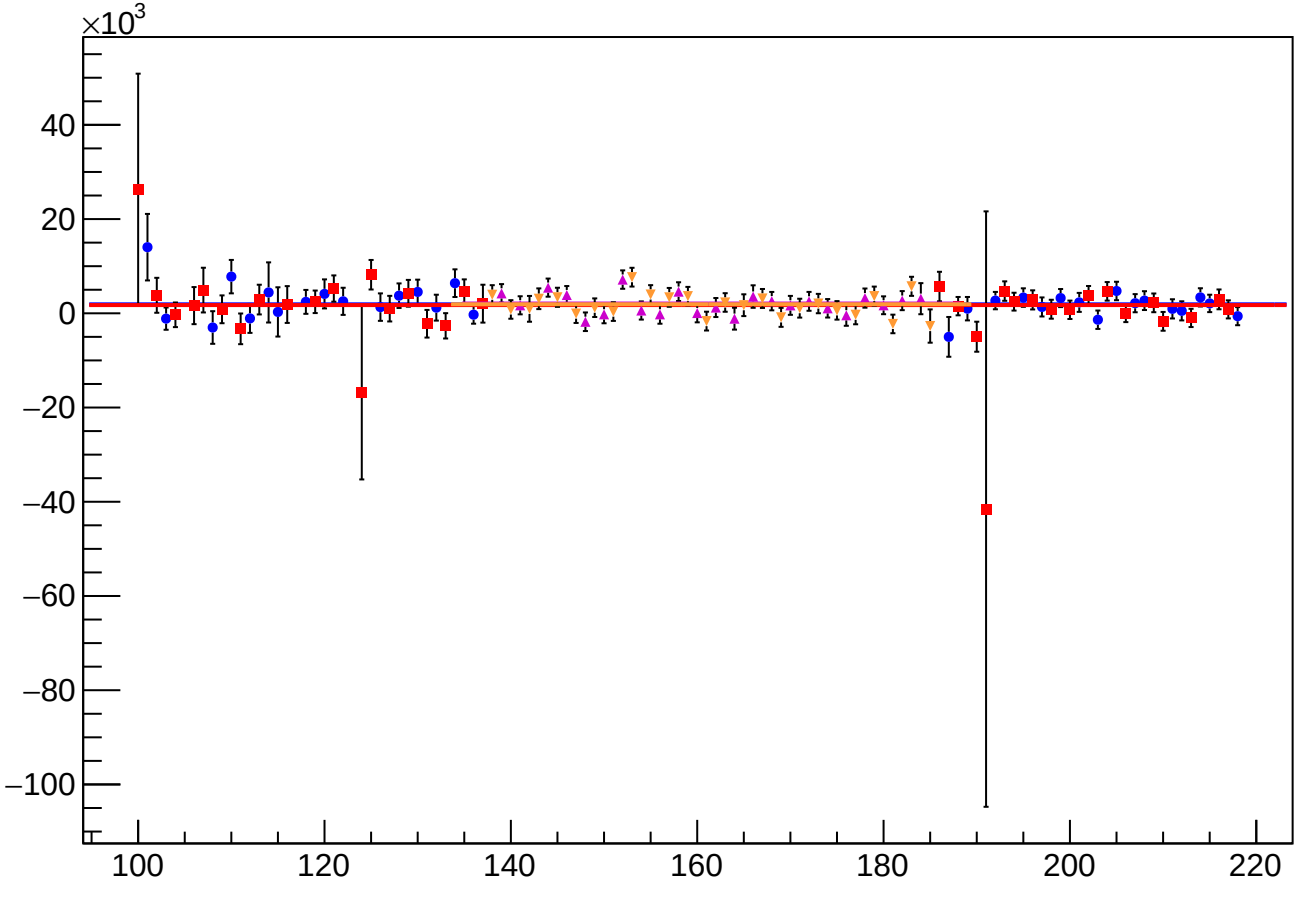
Right: 652.556+/-0.081 χ^2/NDF: 9531630.7/67

In: 548.466+/-0.070 χ^2/NDF:12653434.7/54

Out: 506.895+/-0.066 χ^2/NDF:14899623.6/60

All: 526.341+/-0.048 χ^2/NDF: 27740939.9/11

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: 1747.187+/-419.807 χ^2/NDF: 38.0/35

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

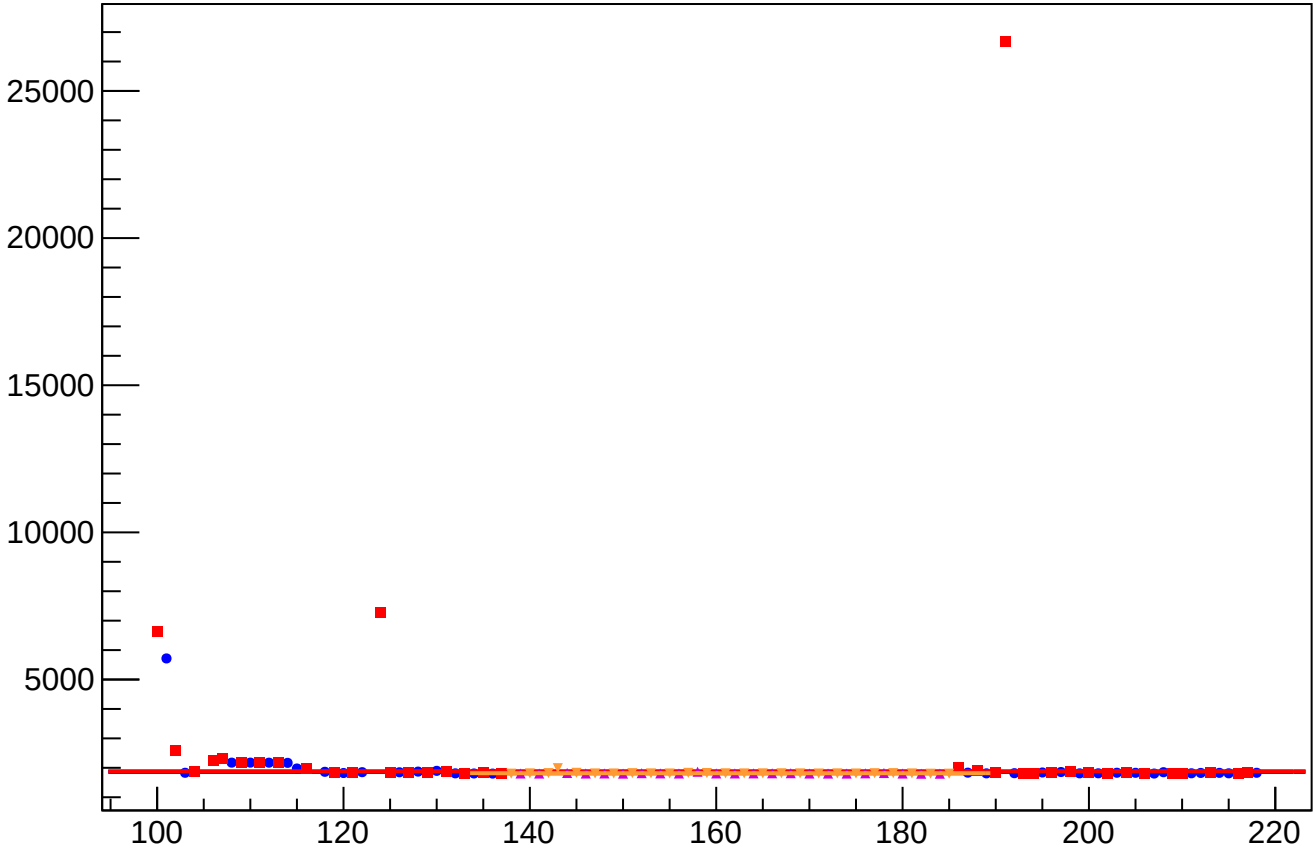
Right: 1825.233+/-296.043 χ^2/NDF: 66.7/67

In: 1987.214+/-297.226 χ^2/NDF:55.3/54

Out: 1835.323+/-294.381 χ^2/NDF:70.6/60

All: 1910.538+/-209.158 χ^2/NDF: 126.0/115

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: 1882.805+/-0.297 χ^2/NDF: 748987.0/35

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

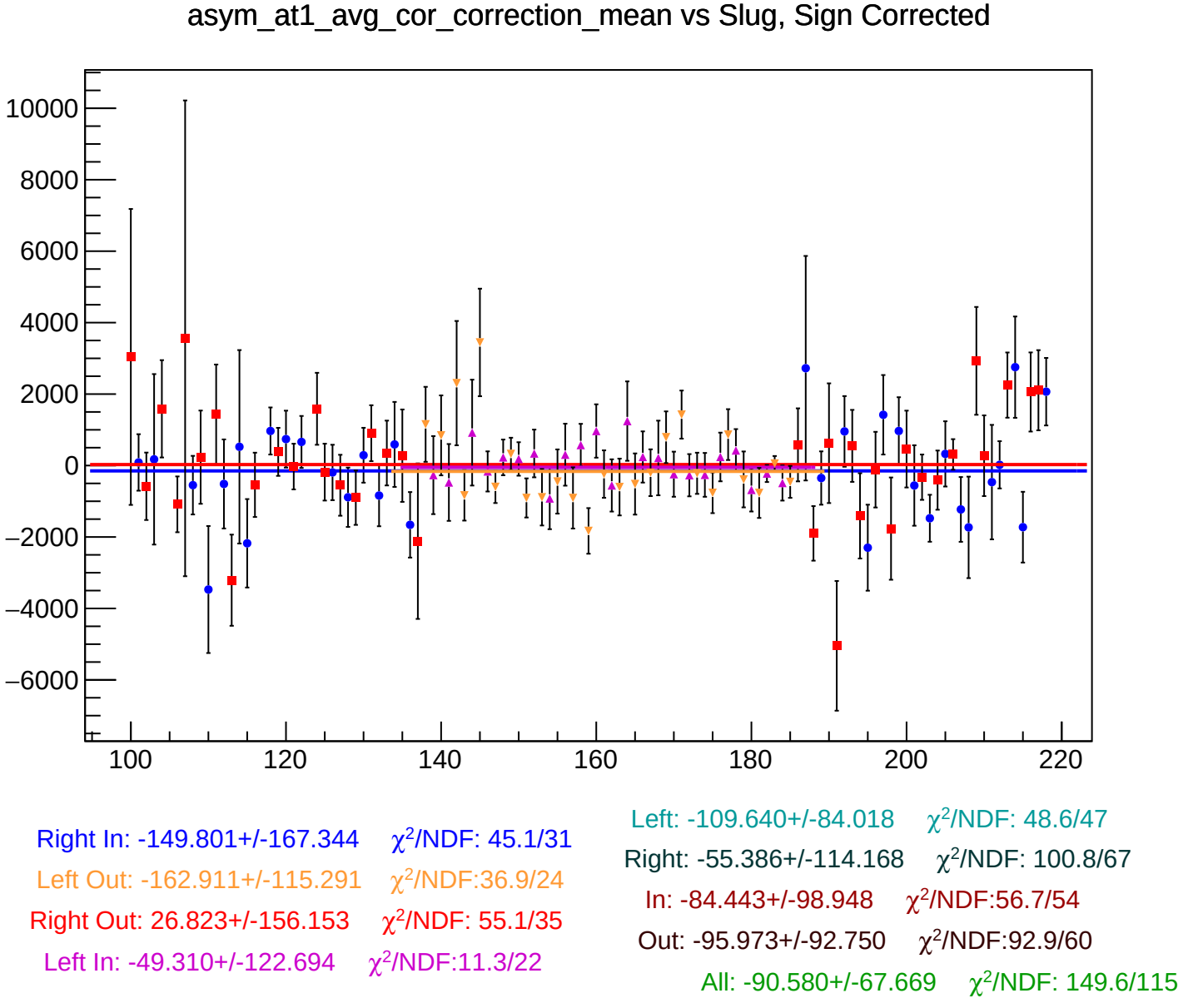
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

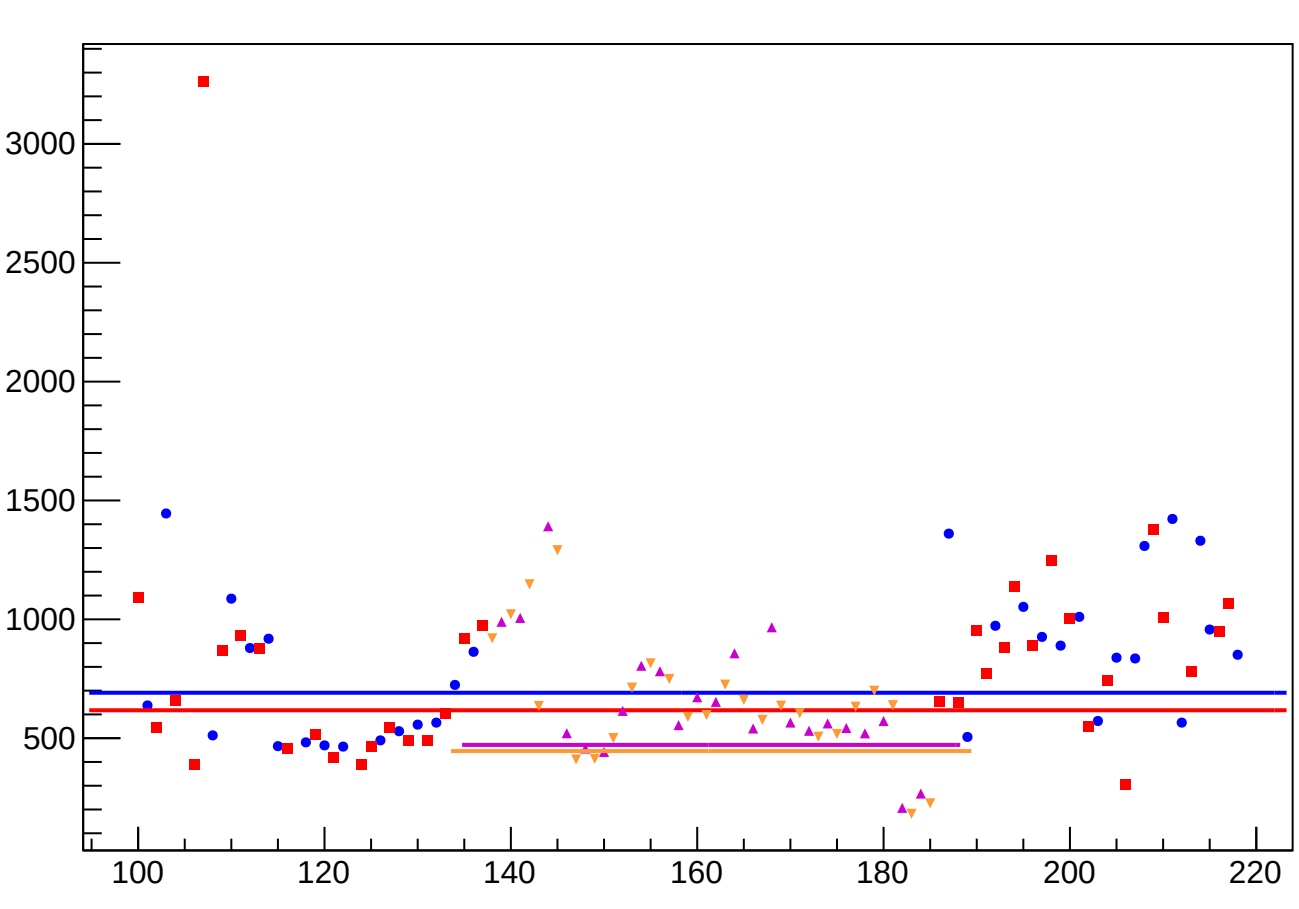
Right: 1872.132+/-0.209 χ^2/NDF: 1422467.0/67

In: 1837.390+/-0.210 χ^2/NDF:686524.0/54

Out: 1849.624+/-0.208 χ^2/NDF:786523.5/60

All: 1843.566+/-0.148 χ^2/NDF: 1474758.2/11


asym_at1_avg_cor_correction_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
220
Right In: -149.801+/-167.344 χ²/NDF: 45.1/31
Left Out: -162.911+/-115.291 χ²/NDF:36.9/24
Right Out: 26.823+/-156.153 χ²/NDF: 55.1/35
Left In: -49.310+/-122.694 χ²/NDF:11.3/22
Left: -109.640+/-84.018 χ²/NDF: 48.6/47
Right: -55.386+/-114.168 χ²/NDF: 100.8/67
In: -84.443+/-98.948 χ²/NDF:56.7/54
Out: -95.973+/-92.750 χ²/NDF:92.9/60
All: -90.580+/-67.669 χ²/NDF: 149.6/115



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: 617.515+/-0.110 χ^2/NDF: 5376914.5/35

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

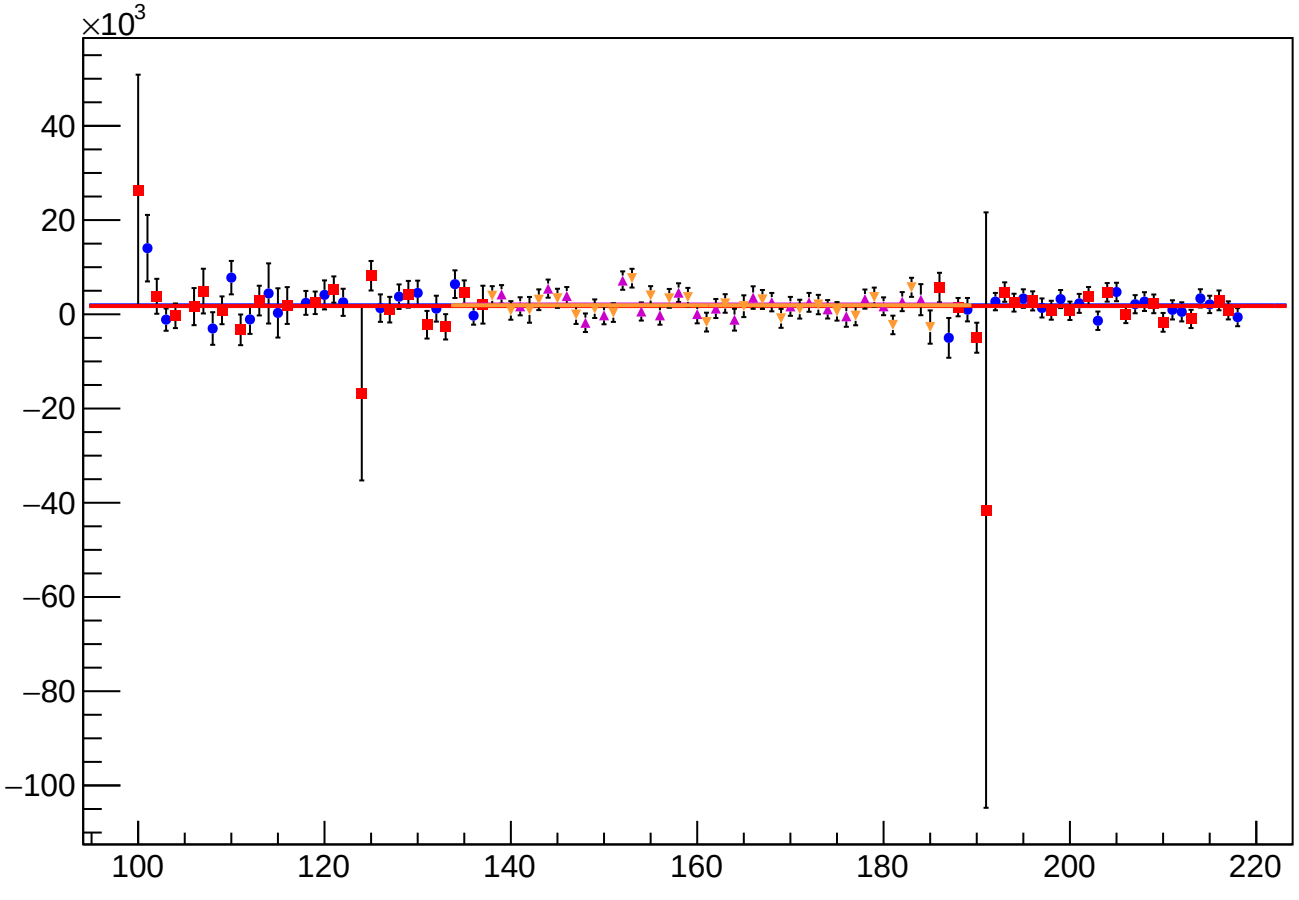
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 651.789+/-0.081 χ^2/NDF: 9586797.2/67

In: 548.462+/-0.070 χ^2/NDF:12652358.2/54

Out: 506.425+/-0.066 χ^2/NDF:14924813.4/60

All: 526.086+/-0.048 χ^2/NDF: 27769316.8/11



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: 1747.187+/-419.807 χ^2/NDF: 38.0/35

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

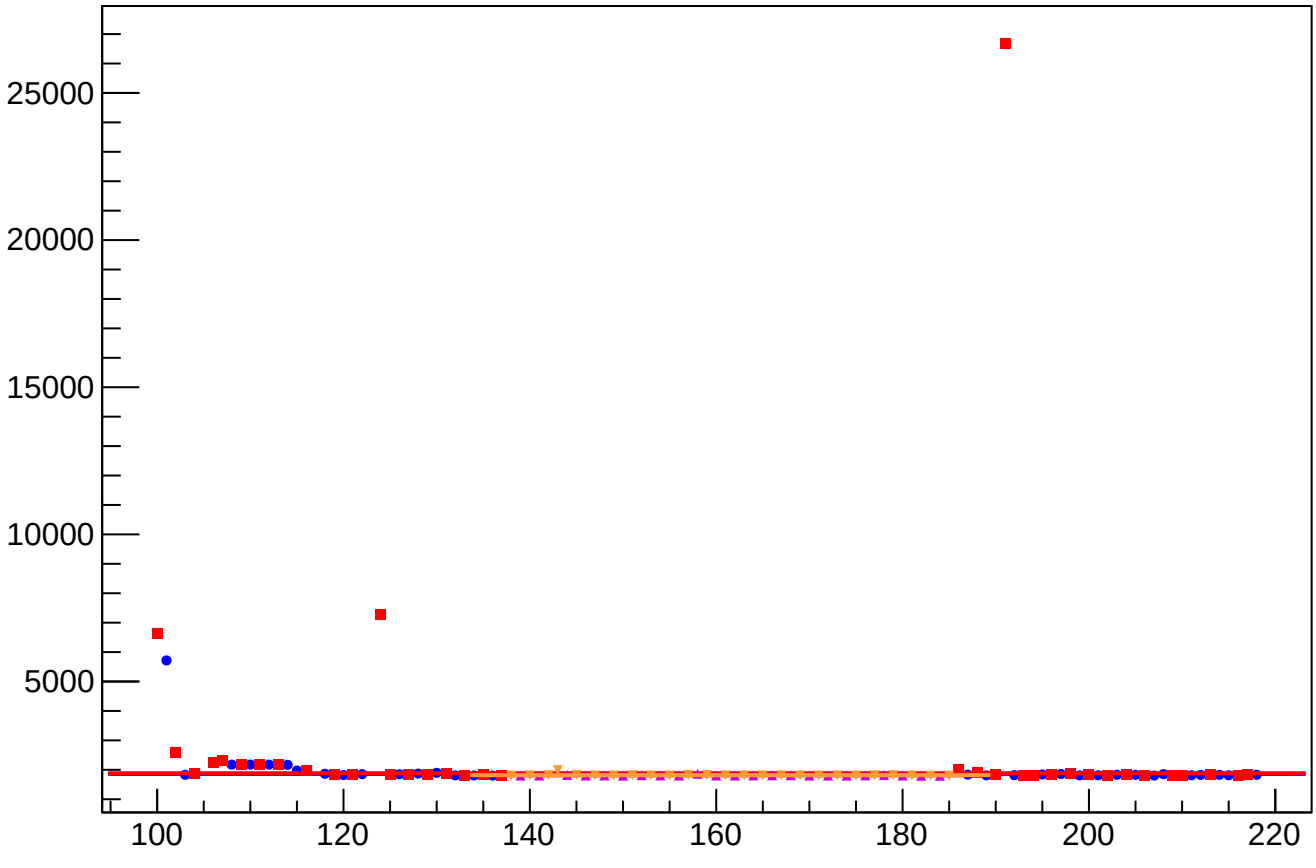
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1825.233+/-296.043 χ^2/NDF: 66.7/67

In: 1987.214+/-297.226 χ^2/NDF:55.3/54

Out: 1835.323+/-294.381 χ^2/NDF:70.6/60

All: 1910.538+/-209.158 χ^2/NDF: 126.0/115



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: 1882.805+/-0.297 χ^2/NDF: 748987.0/35

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

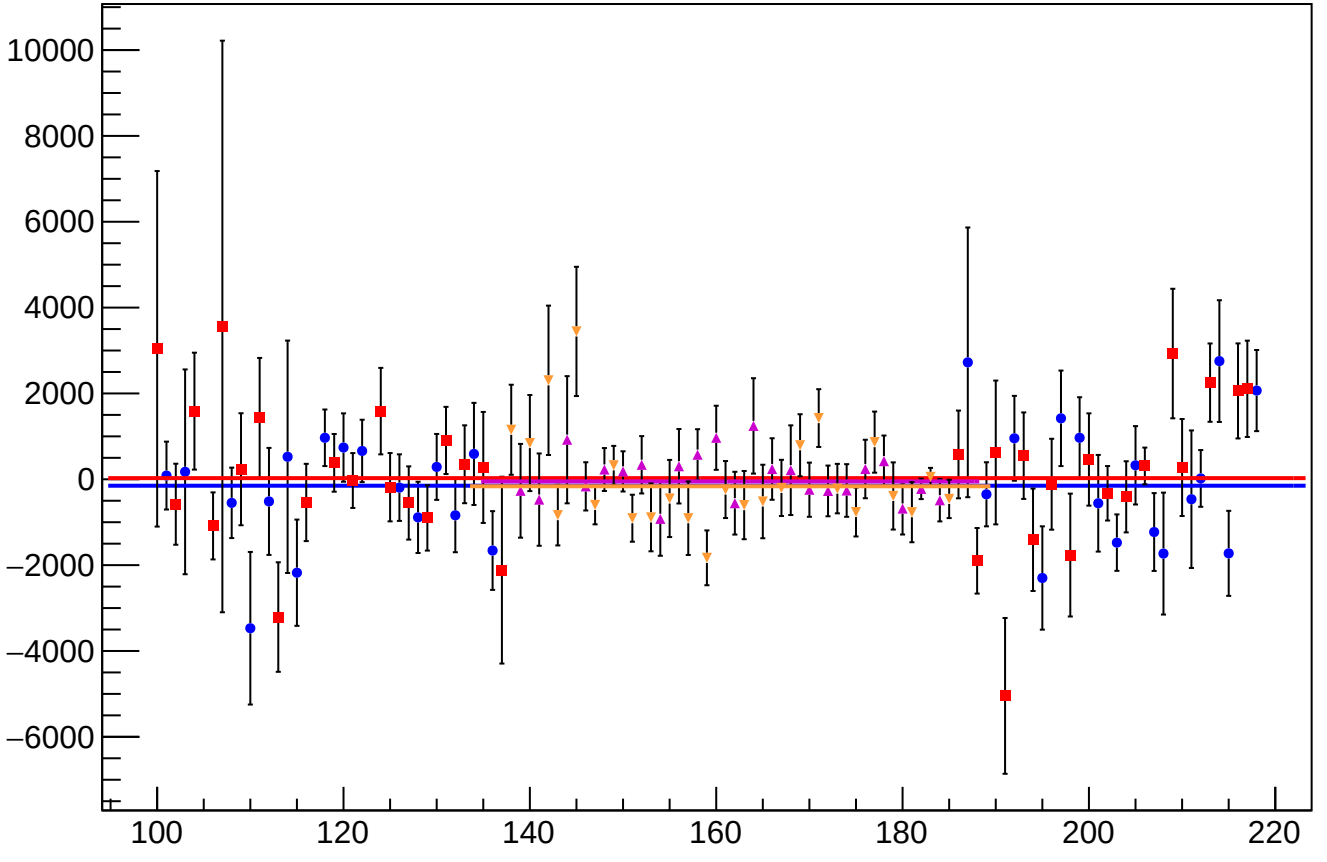
Right: 1872.132+/-0.209 χ^2/NDF: 1422467.0/67

In: 1837.390+/-0.210 χ^2/NDF:686524.0/54

Out: 1849.624+/-0.208 χ^2/NDF:786523.5/60

All: 1843.566+/-0.148 χ^2/NDF: 1474758.2/11

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: 26.823+/-156.153 χ^2/NDF: 55.1/35

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

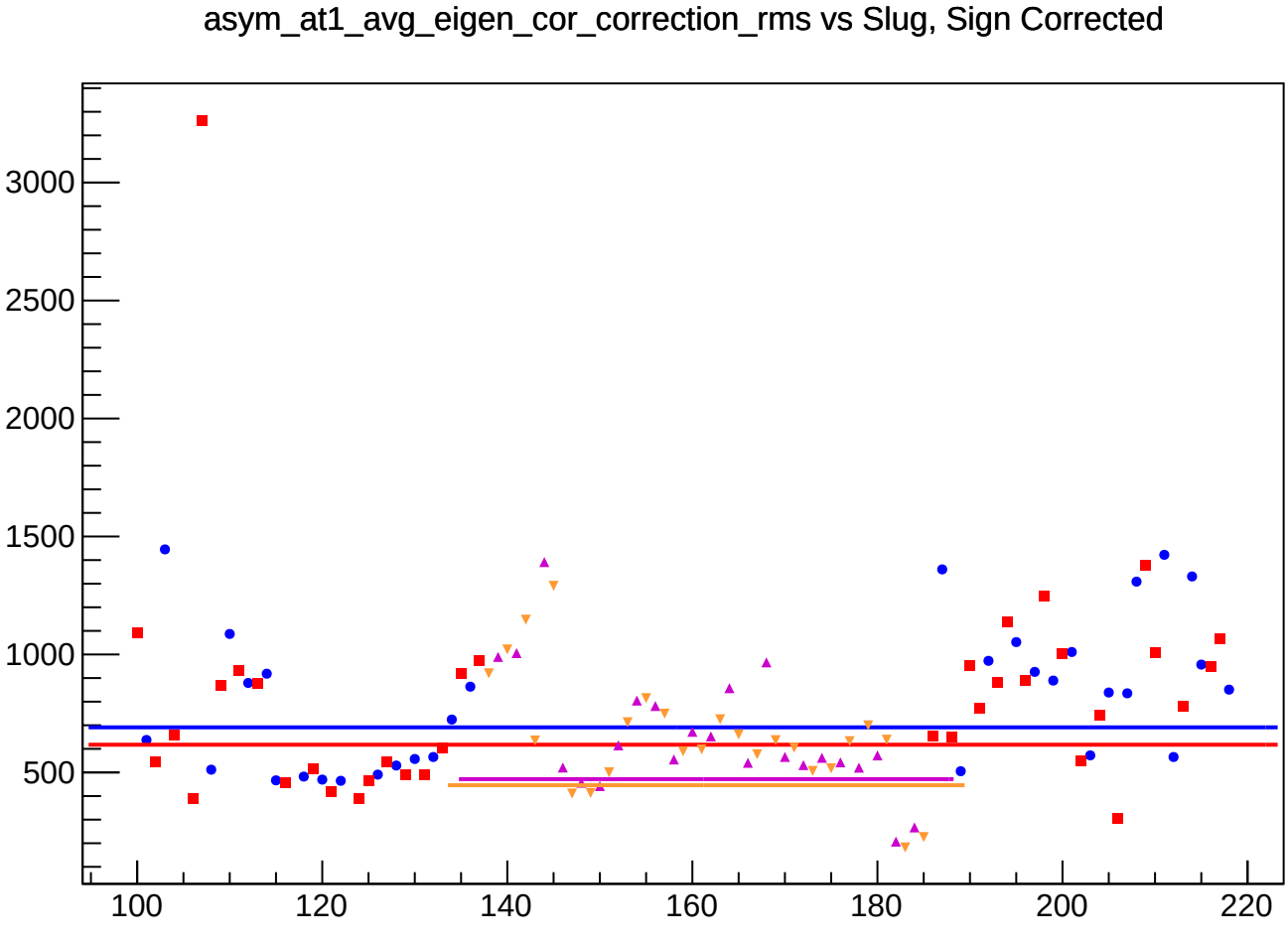
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -55.386+/-114.168 χ^2/NDF: 100.8/67

In: -84.443+/-98.948 χ^2/NDF:56.7/54

Out: -95.973+/-92.750 χ^2/NDF:92.9/60

All: -90.580+/-67.669 χ^2/NDF: 149.6/115



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: 617.515+/-0.110 χ^2/NDF: 5376914.5/35

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

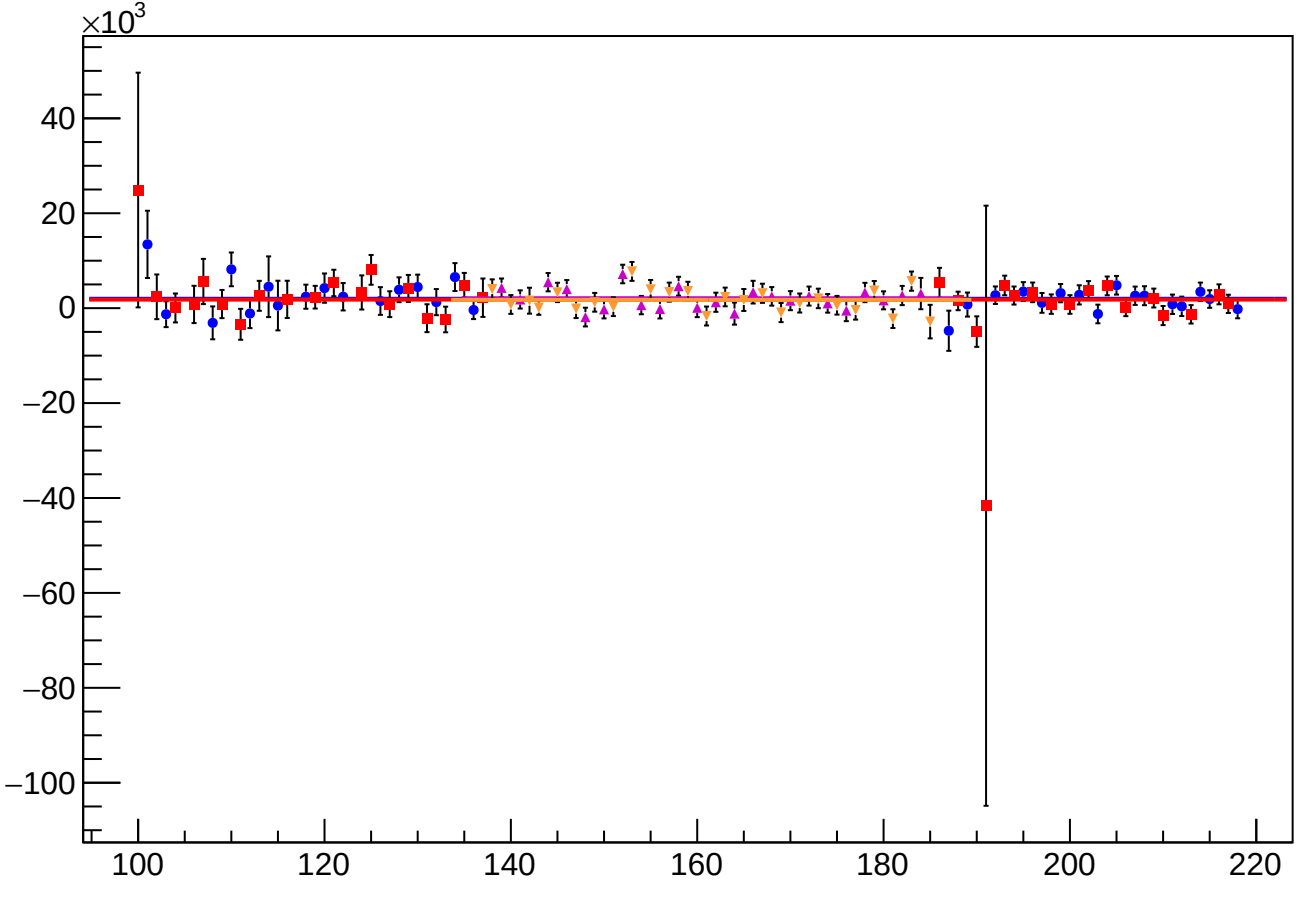
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 651.789+/-0.081 χ^2/NDF: 9586797.2/67

In: 548.462+/-0.070 χ^2/NDF:12652358.2/54

Out: 506.425+/-0.066 χ^2/NDF:14924813.4/60

All: 526.086+/-0.048 χ^2/NDF: 27769316.8/11



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: 1803.792+/-421.924 χ^2/NDF: 36.1/35

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

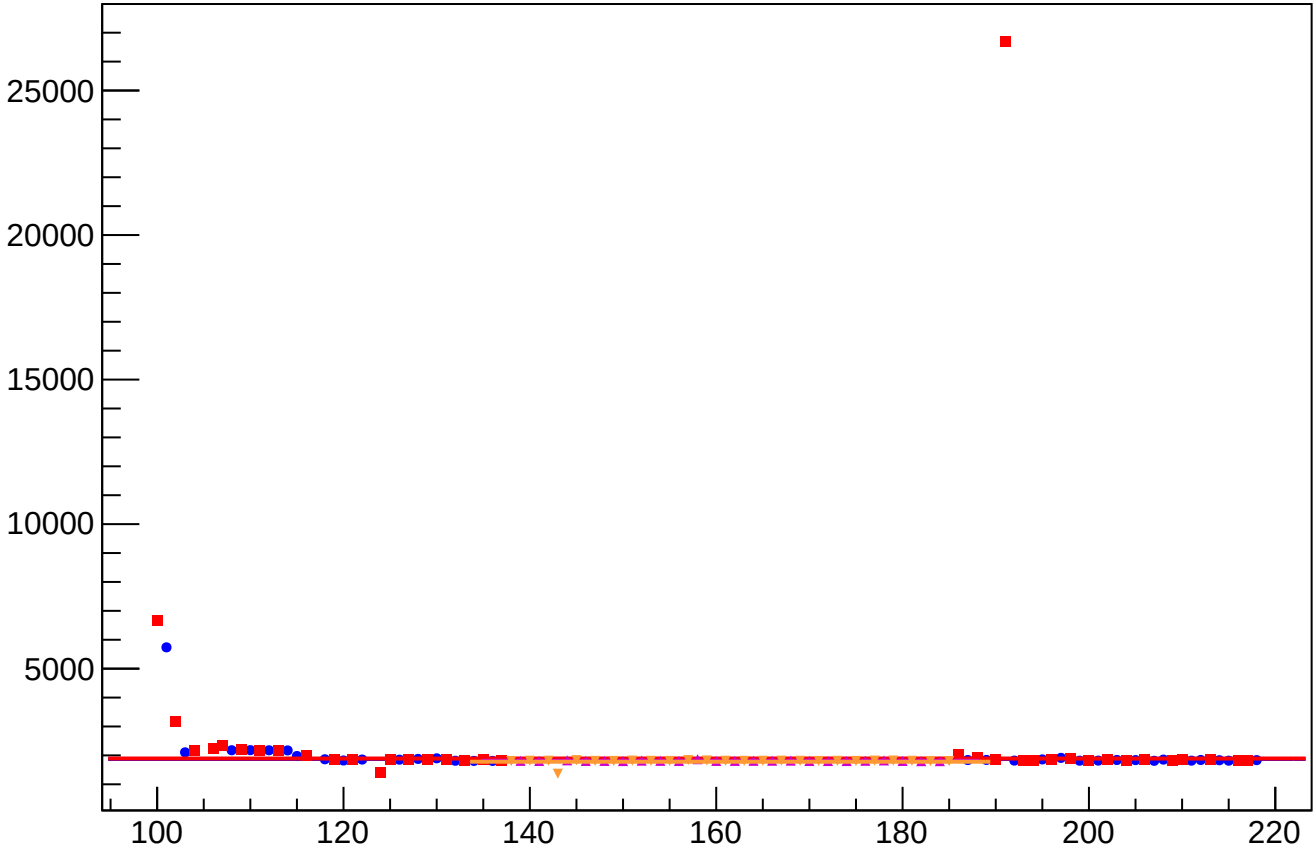
Right: 1890.647+/-298.046 χ^2/NDF: 64.7/67

In: 2025.005+/-298.652 χ^2/NDF:55.6/54

Out: 1778.678+/-292.329 χ^2/NDF:69.9/60

All: 1899.206+/-208.907 χ^2/NDF: 125.8/115

dit_asym_at1_avg_rms vs Slug, Sign Corrected



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: 1891.100+/-0.298 χ^2/NDF: 702785.5/35

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

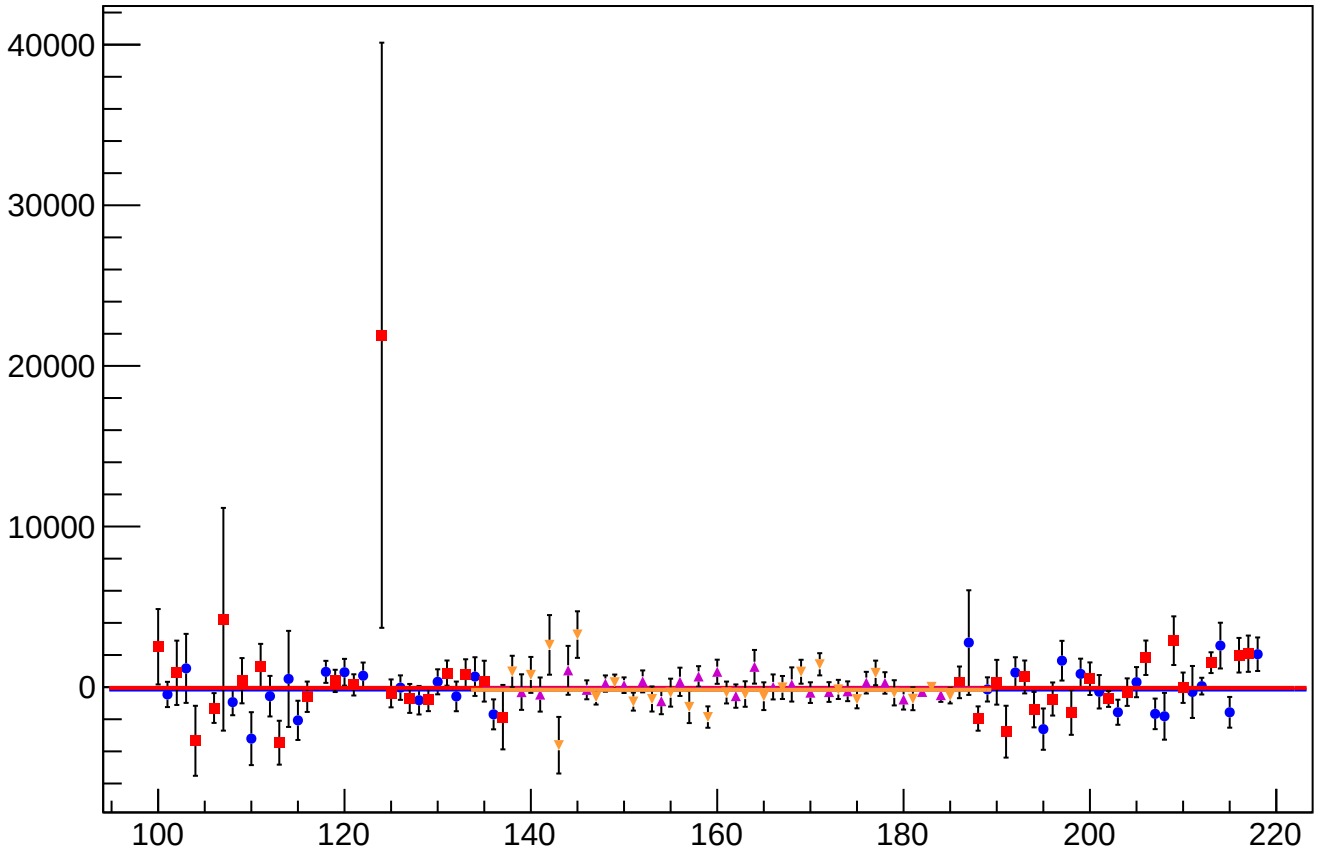
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1883.963+/-0.211 χ^2/NDF: 1388078.9/67

In: 1845.834+/-0.211 χ^2/NDF:708086.9/54

Out: 1833.807+/-0.207 χ^2/NDF:938646.2/60

All: 1839.692+/-0.148 χ^2/NDF: 1648389.6/11



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: -45.677+/-164.973 χ^2/NDF: 55.4/35

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

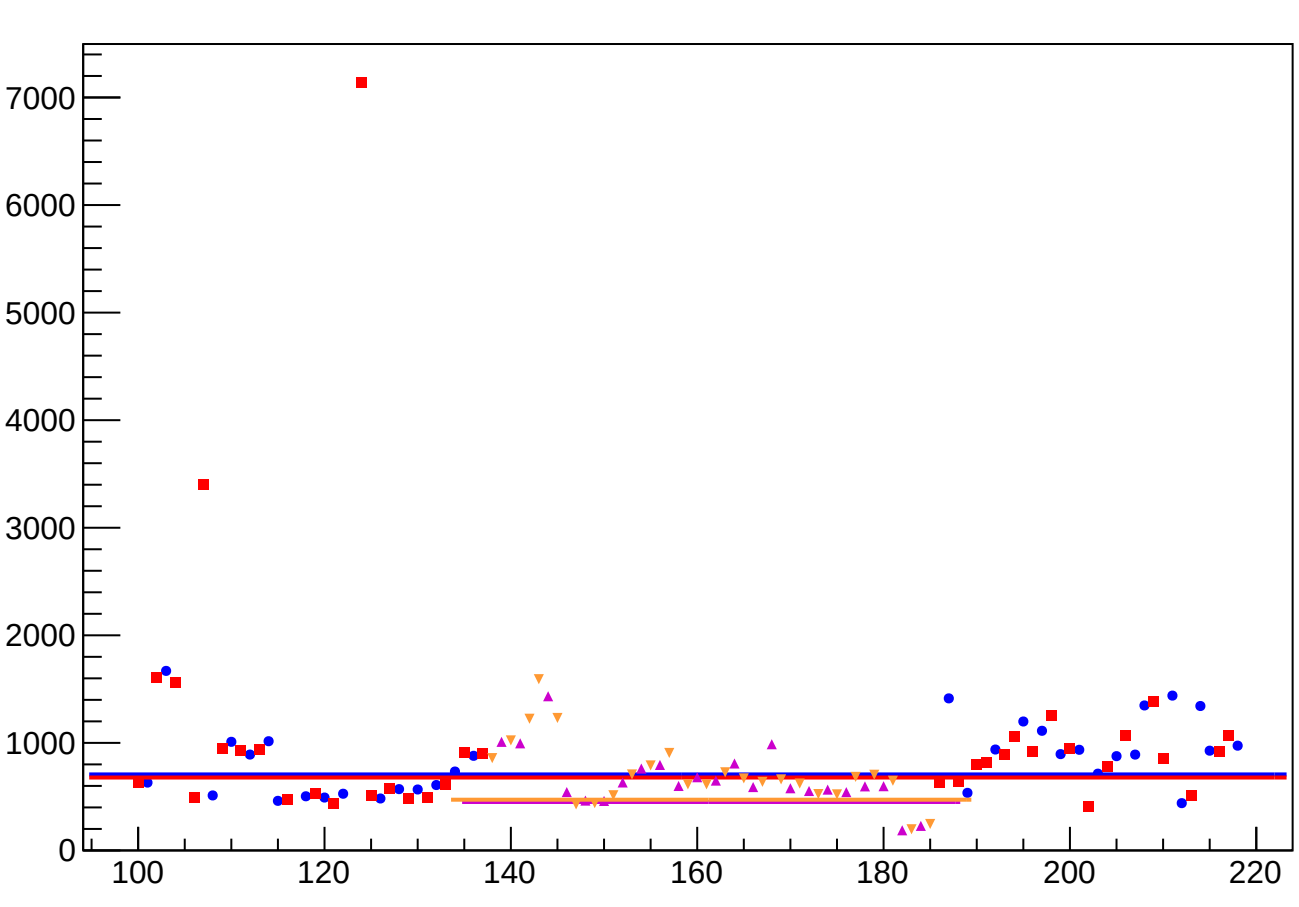
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -96.491+/-118.072 χ^2/NDF: 99.6/67

In: -128.120+/-97.731 χ^2/NDF:56.3/54

Out: -124.865+/-97.898 χ^2/NDF:94.1/60

All: -126.495+/-69.165 χ^2/NDF: 150.4/115



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: 678.013+/-0.117 χ^2/NDF: 5361214.2/35

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

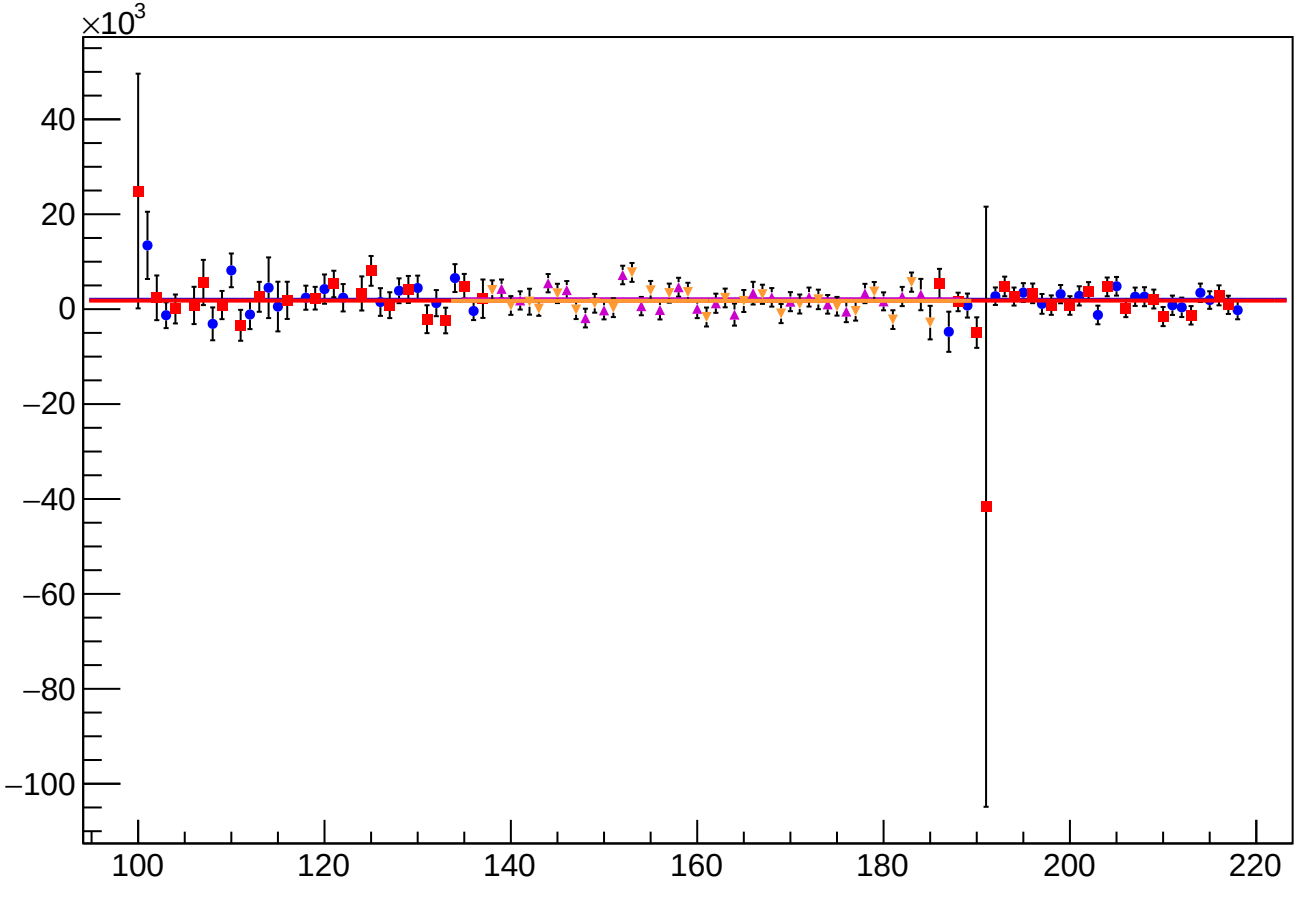
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 692.062+/-0.083 χ^2/NDF: 10017929.9/67

In: 536.256+/-0.069 χ^2/NDF:15612596.4/54

Out: 544.402+/-0.069 χ^2/NDF:15498827.3/60

All: 540.322+/-0.049 χ^2/NDF: 31118359.2/11



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: 1803.791+/-421.924 χ^2/NDF: 36.1/35

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

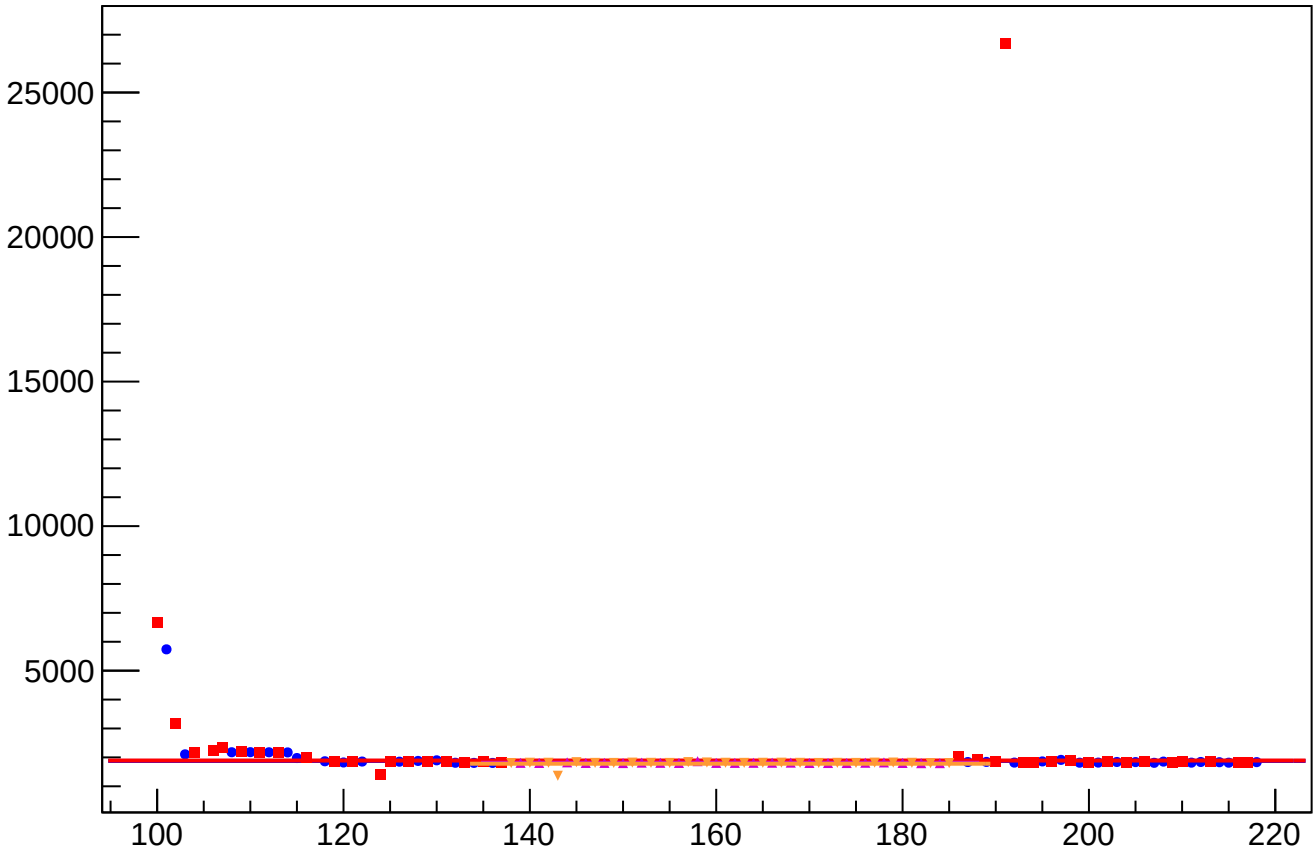
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 1890.646+/-298.046 χ^2/NDF: 64.7/67

In: 2025.005+/-298.652 χ^2/NDF:55.6/54

Out: 1778.678+/-292.329 χ^2/NDF:69.9/60

All: 1899.206+/-208.907 χ^2/NDF: 125.8/115



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: 1891.100+/-0.298 χ^2/NDF: 702784.1/35

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

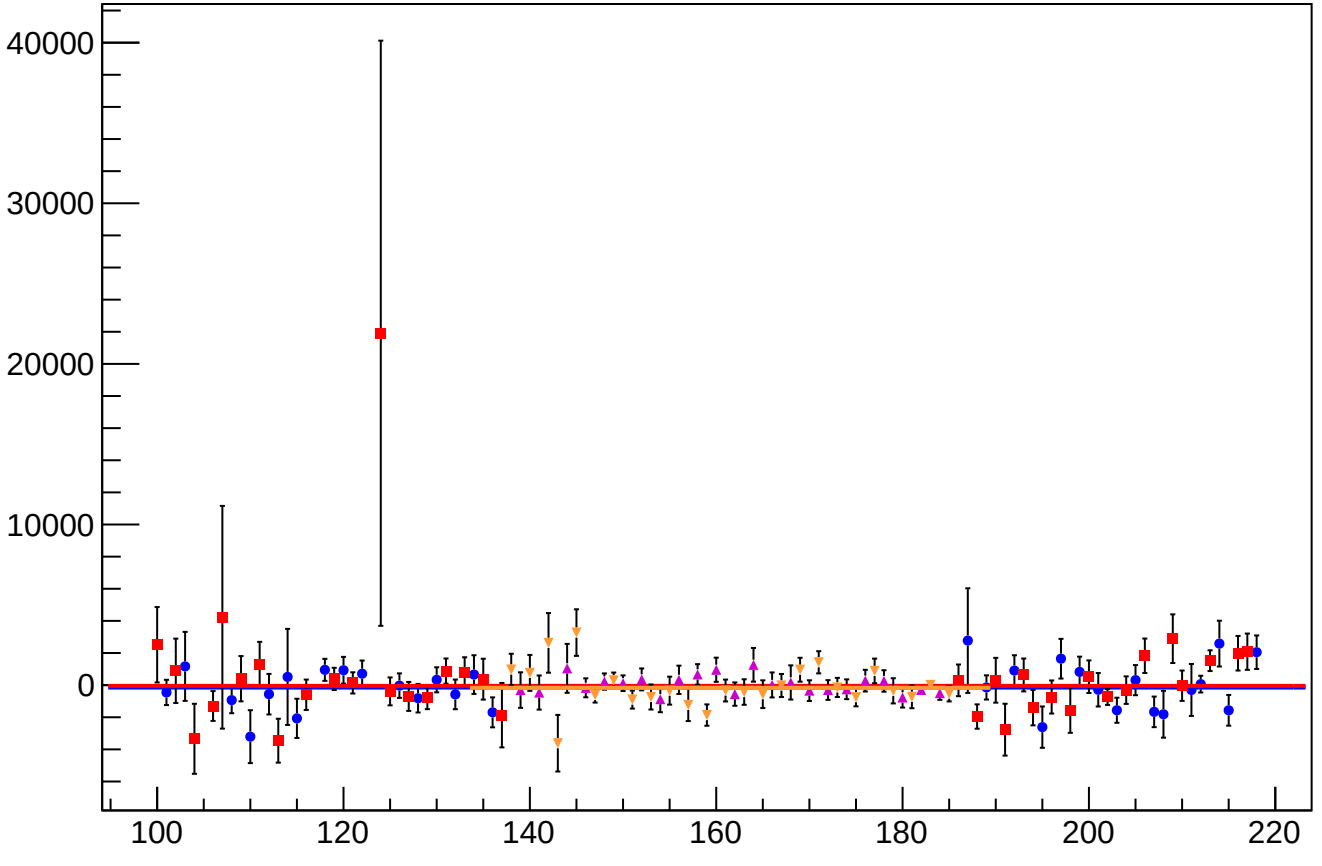
Right: 1883.963+/-0.211 χ^2/NDF: 1388077.1/67

In: 1845.834+/-0.211 χ^2/NDF:708086.4/54

Out: 1833.807+/-0.207 χ^2/NDF:938644.6/60

All: 1839.692+/-0.148 χ^2/NDF: 1648387.6/11

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: -45.677+/-164.973 χ^2/NDF: 55.4/35

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

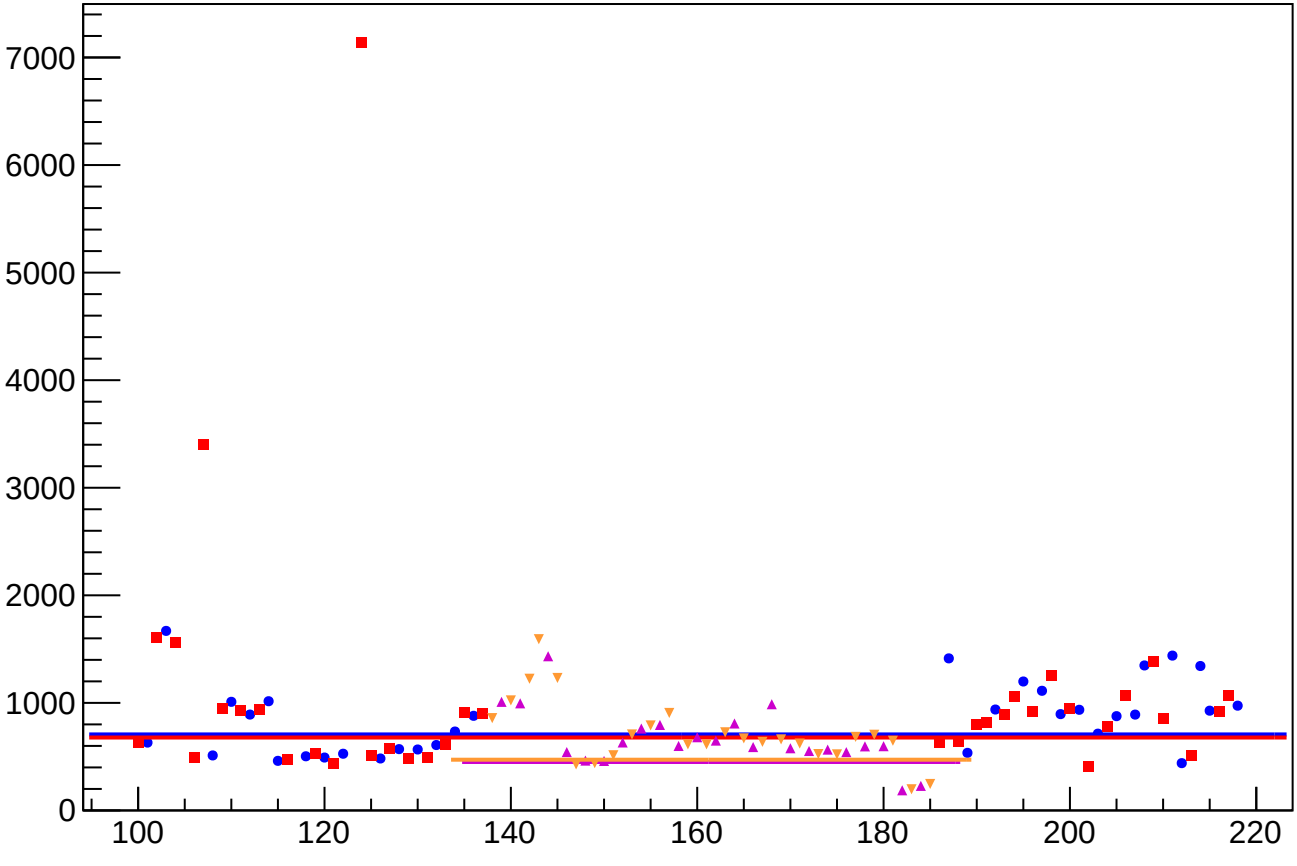
Right: -96.491+/-118.072 χ^2/NDF: 99.6/67

In: -128.120+/-97.731 χ^2/NDF:56.3/54

Out: -124.866+/-97.898 χ^2/NDF:94.1/60

All: -126.496+/-69.165 χ^2/NDF: 150.4/115

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: 678.013+/-0.117 χ^2/NDF: 5361232.1/35

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

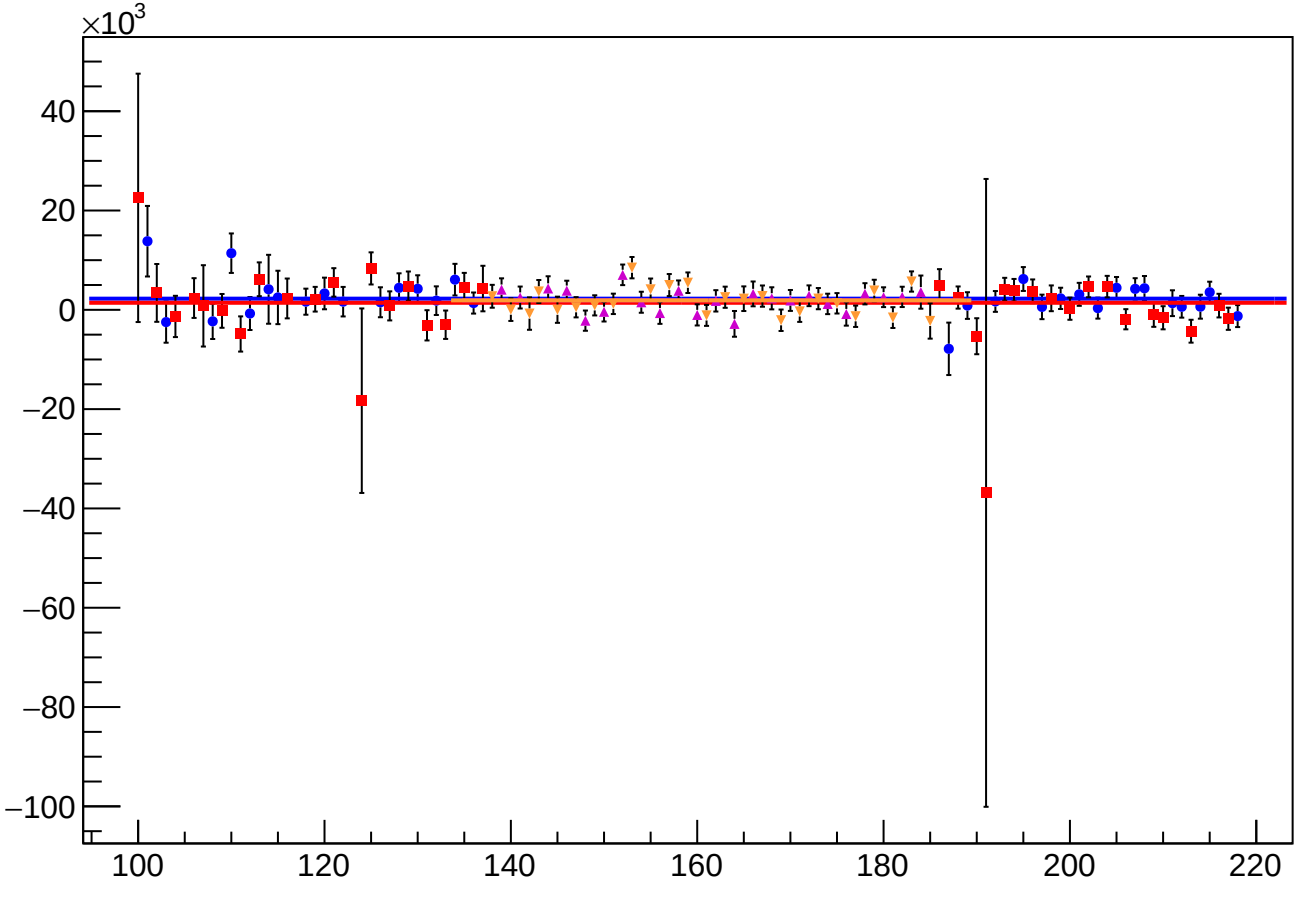
Right: 692.062+/-0.083 χ^2/NDF: 10017980.5/67

In: 536.257+/-0.069 χ^2/NDF:15612579.4/54

Out: 544.403+/-0.069 χ^2/NDF:15498829.5/60

All: 540.323+/-0.049 χ^2/NDF: 31118344.2/11

asym_at1_avg_mean vs Slug, Sign Corrected



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: 1419.464+/-478.722 χ^2/NDF: 49.3/35

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

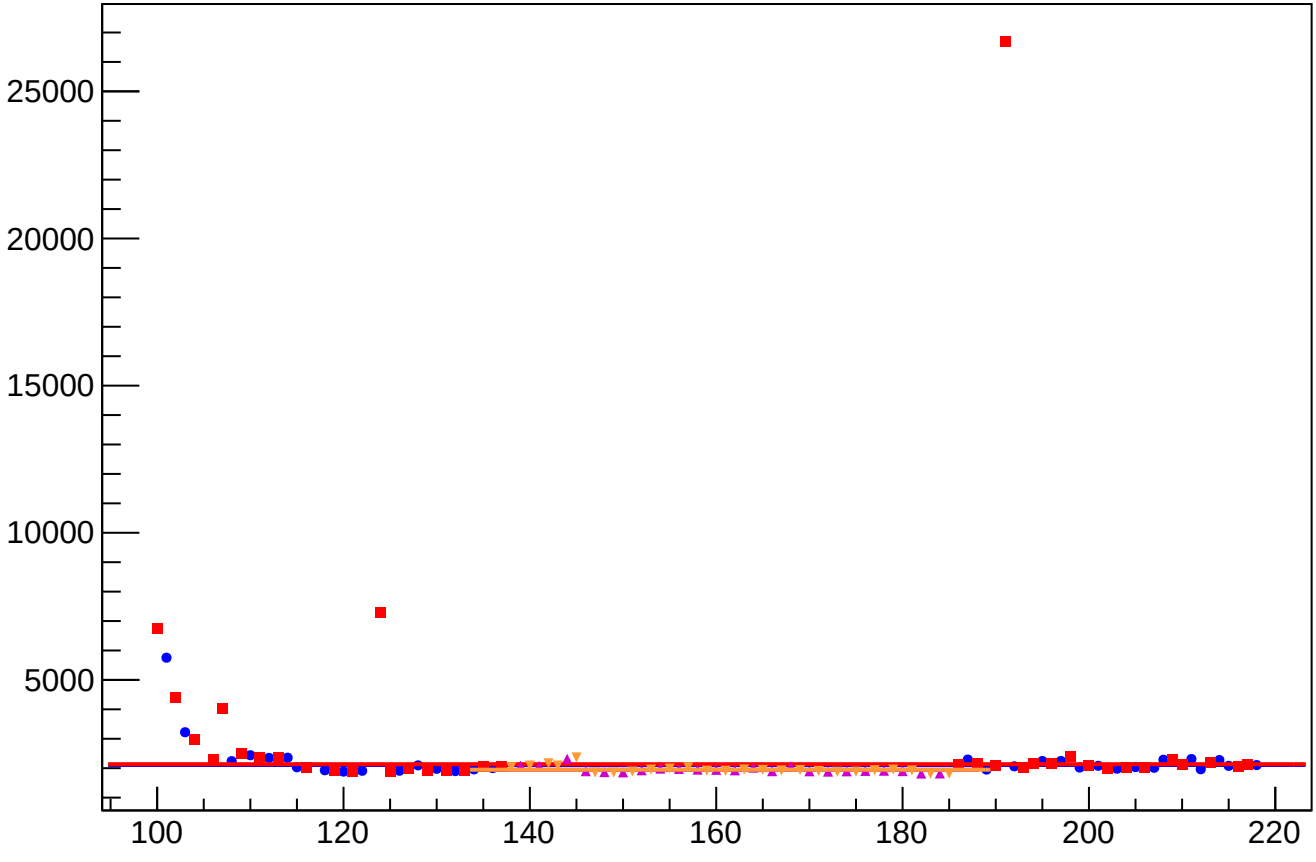
Right: 1837.719+/-337.042 χ^2/NDF: 80.3/67

In: 2080.855+/-328.400 χ^2/NDF:54.5/54

Out: 1682.011+/-325.351 χ^2/NDF:86.2/60

All: 1879.573+/-231.128 χ^2/NDF: 141.4/115

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: 2135.739+/-0.339 χ^2/NDF: 1189834.4/35

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

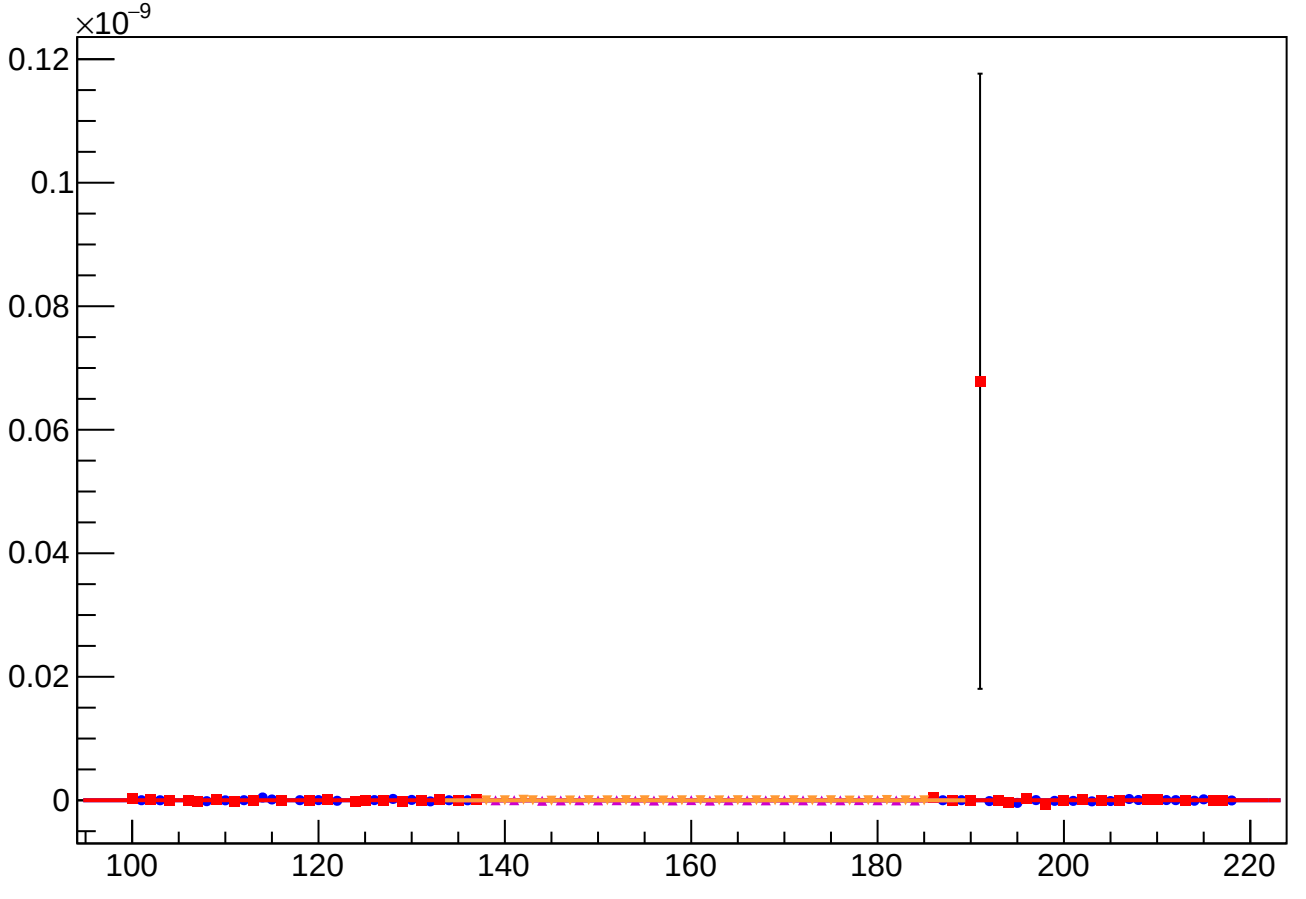
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2122.302+/-0.238 χ^2/NDF: 2033719.6/67

In: 2023.636+/-0.232 χ^2/NDF:1061129.8/54

Out: 2035.254+/-0.230 χ^2/NDF:1462115.9/60

All: 2029.499+/-0.163 χ^2/NDF: 2524508.9/11



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: 31.5/35

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

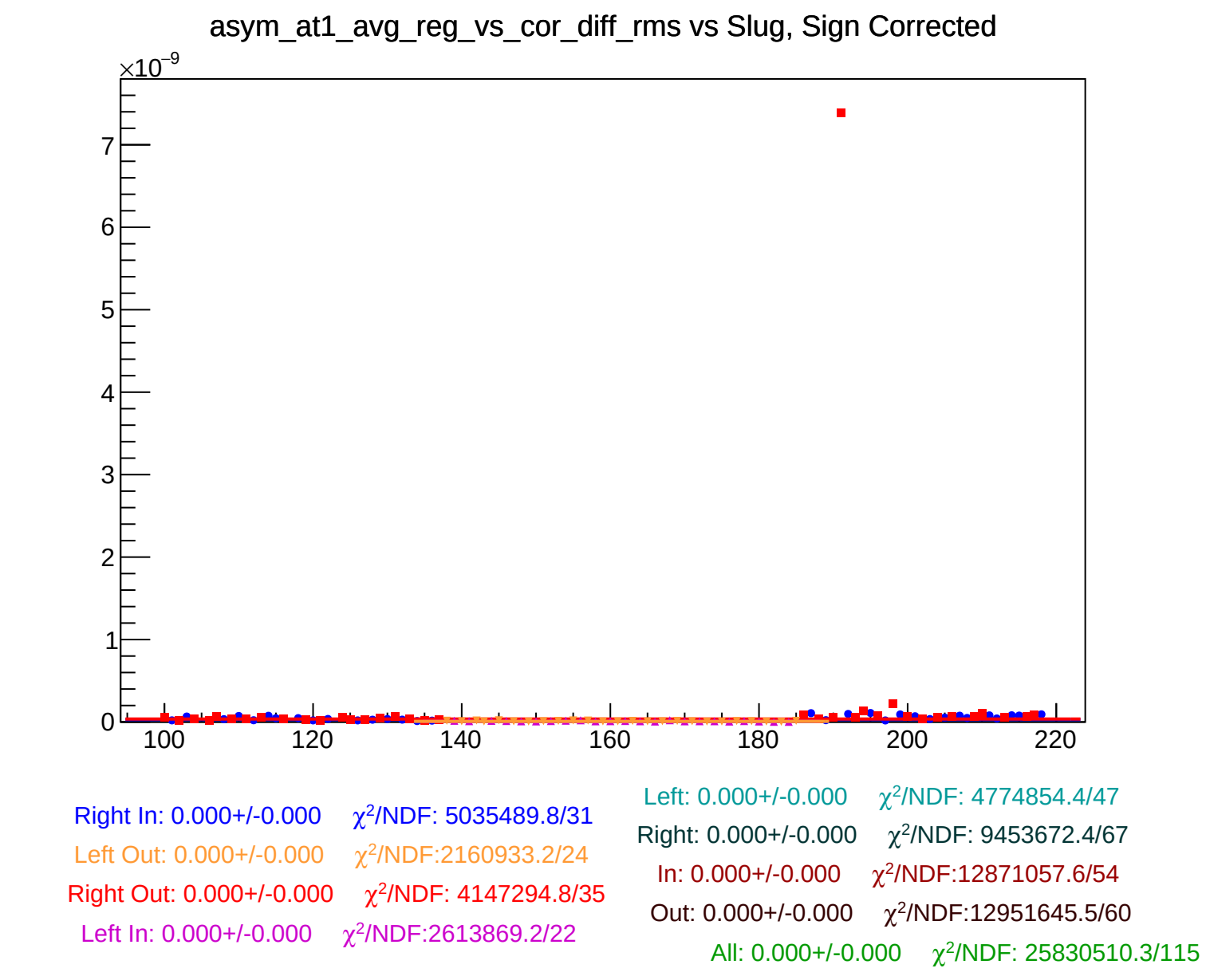
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 67.4/67

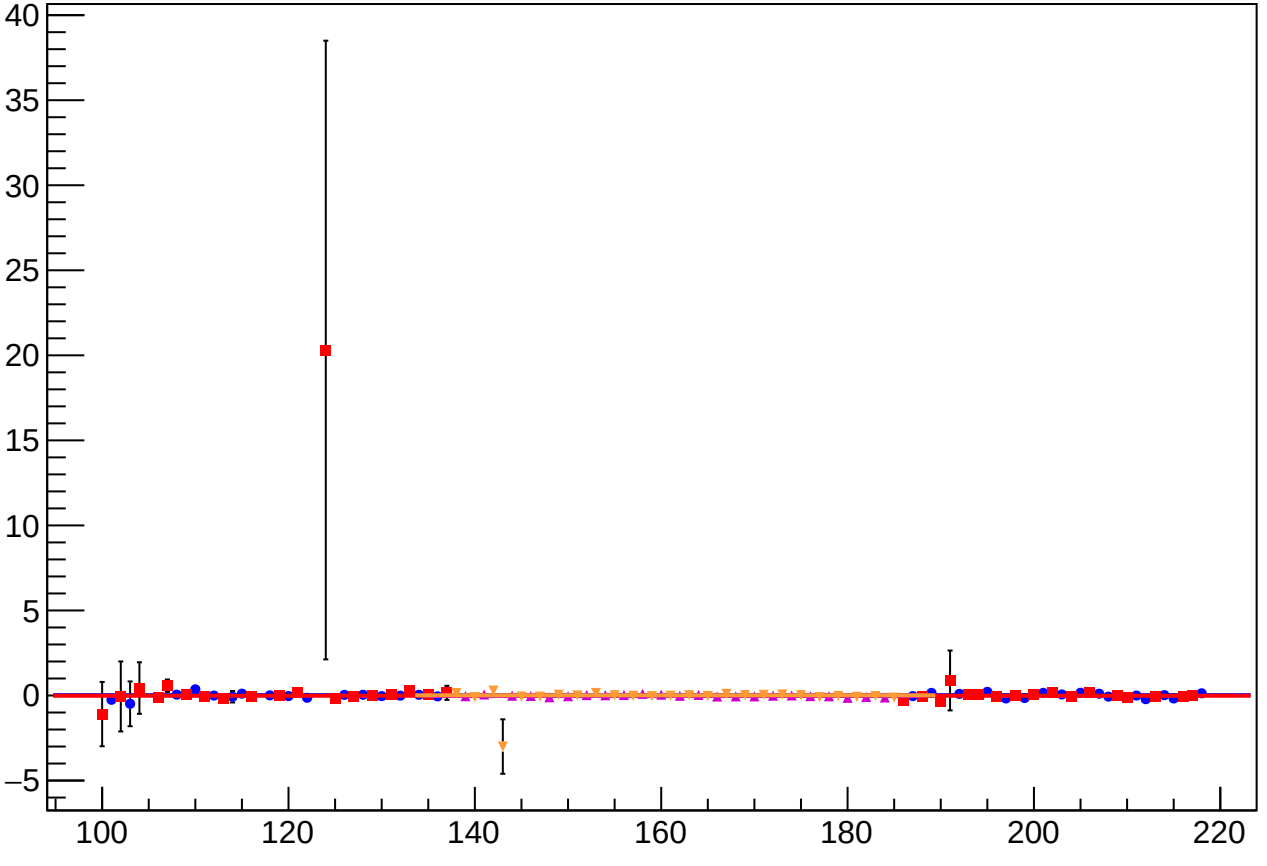
In: -0.000+/-0.000 χ^2/NDF:67.5/54

Out: 0.000+/-0.000 χ^2/NDF:61.0/60

All: -0.000+/-0.000 χ^2/NDF: 129.1/115


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 5035489.8/31
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 4147294.8/35
Left In: 0.000+/-0.000 χ²/NDF:2613869.2/22
Left: 0.000+/-0.000 χ²/NDF: 4774854.4/47
Right: 0.000+/-0.000 χ²/NDF: 9453672.4/67
In: 0.000+/-0.000 χ²/NDF:12871057.6/54
Out: 0.000+/-0.000 χ²/NDF:12951645.5/60
All: 0.000+/-0.000 χ²/NDF: 25830510.3/115

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: -0.013+/-0.018 χ^2/NDF: 31.8/35

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

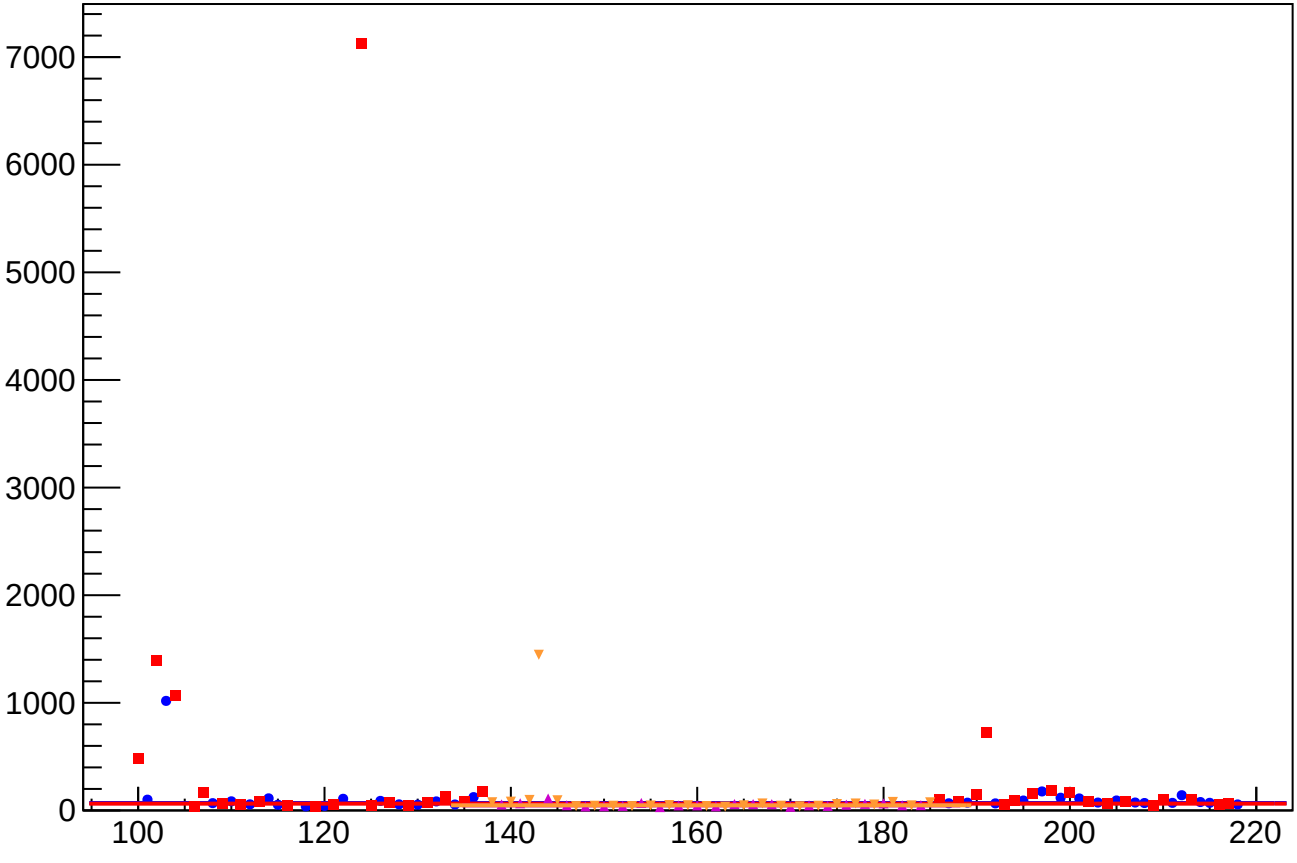
Right: 0.003+/-0.013 χ^2/NDF: 67.4/67

In: -0.006+/-0.010 χ^2/NDF:57.3/54

Out: 0.003+/-0.010 χ^2/NDF:62.6/60

All: -0.001+/-0.007 χ^2/NDF: 120.4/115

asym_at1_avg_dit_vs_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: 63.295+/-0.012 χ^2/NDF: 6795619.3/35

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

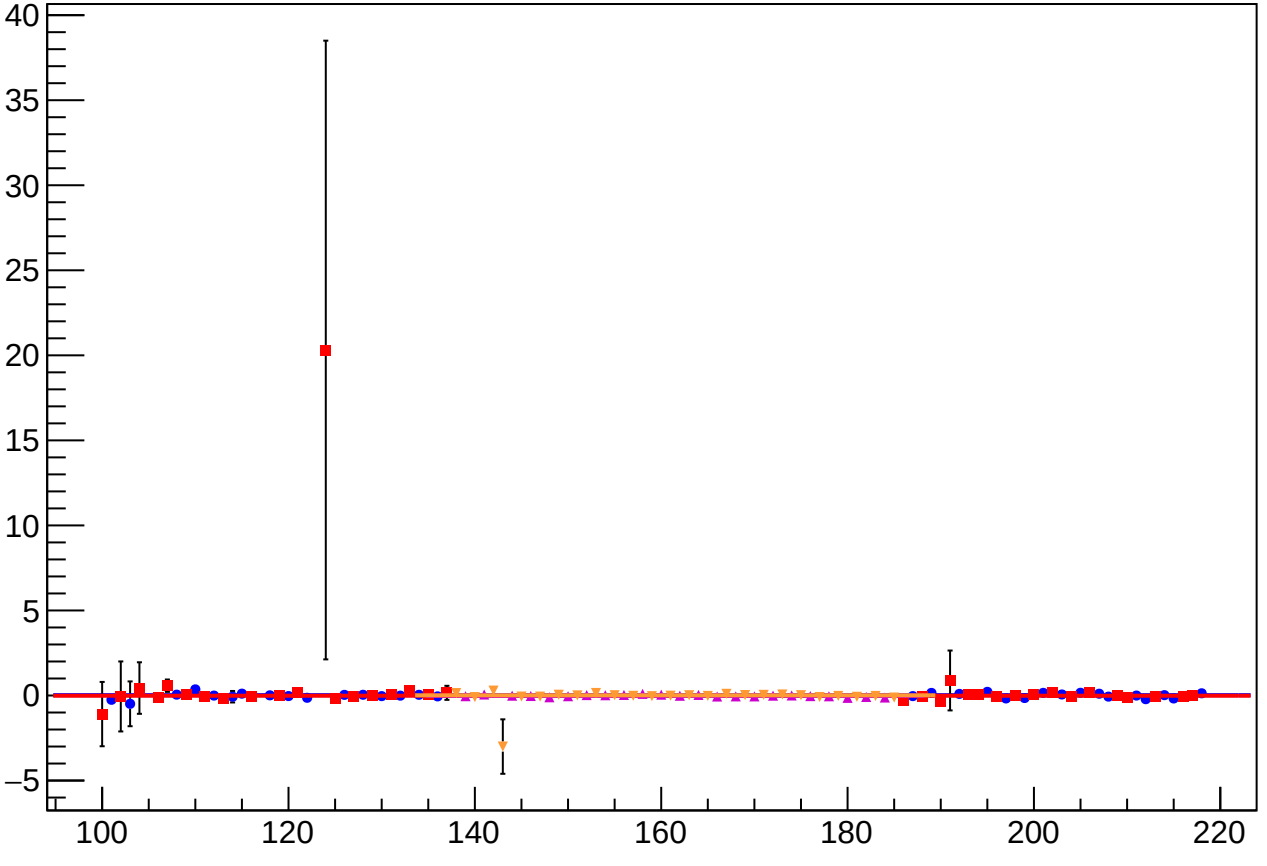
Right: 66.012+/-0.009 χ^2/NDF: 11201976.6/67

In: 53.683+/-0.007 χ^2/NDF:8290248.6/54

Out: 53.023+/-0.007 χ^2/NDF:11310849.3/60

All: 53.353+/-0.005 χ^2/NDF: 19605318.8/115

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: -0.013+/-0.018 χ^2/NDF: 31.8/35

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

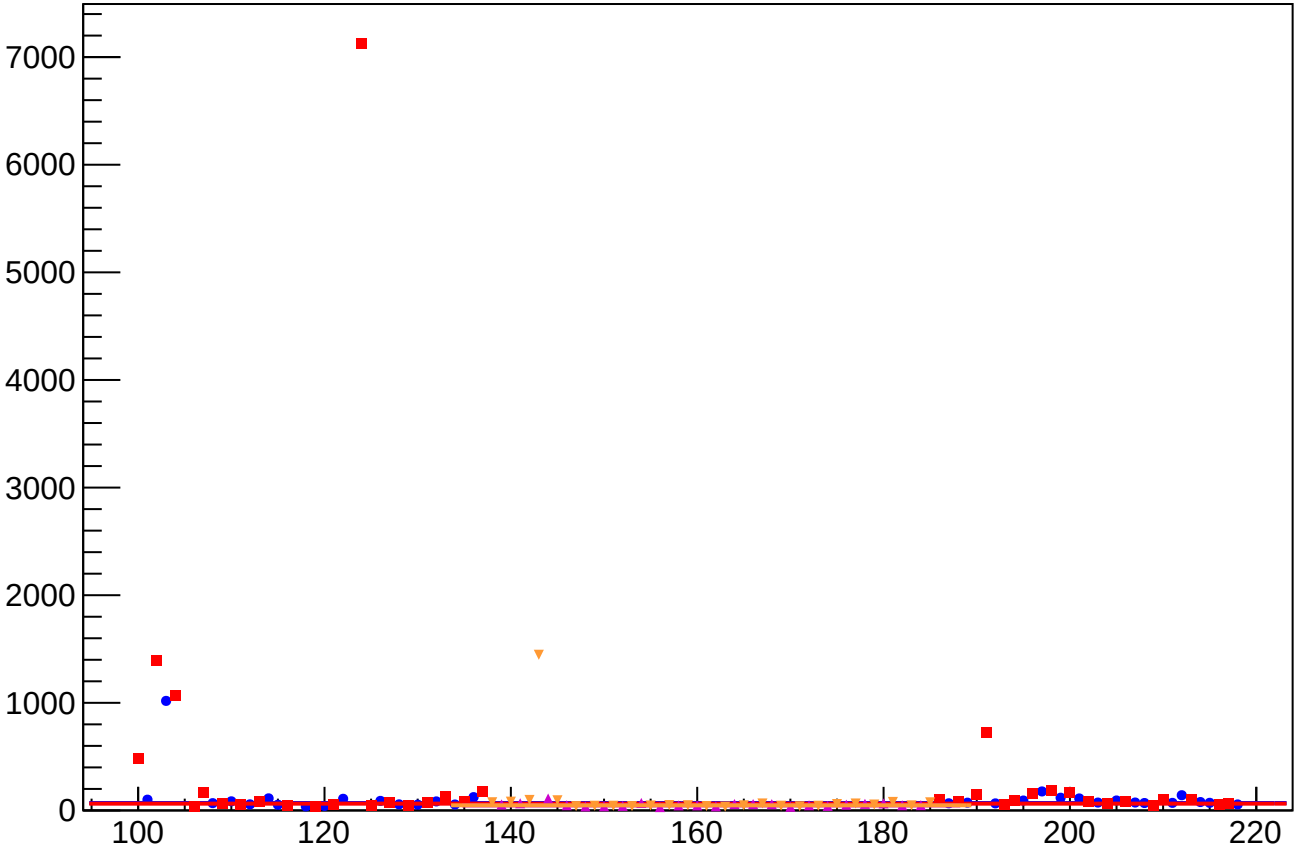
Right: 0.003+/-0.013 χ^2/NDF: 67.4/67

In: -0.006+/-0.010 χ^2/NDF:57.3/54

Out: 0.003+/-0.010 χ^2/NDF:62.6/60

All: -0.001+/-0.007 χ^2/NDF: 120.4/115

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: 63.295+/-0.012 χ^2/NDF: 6795619.3/35

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

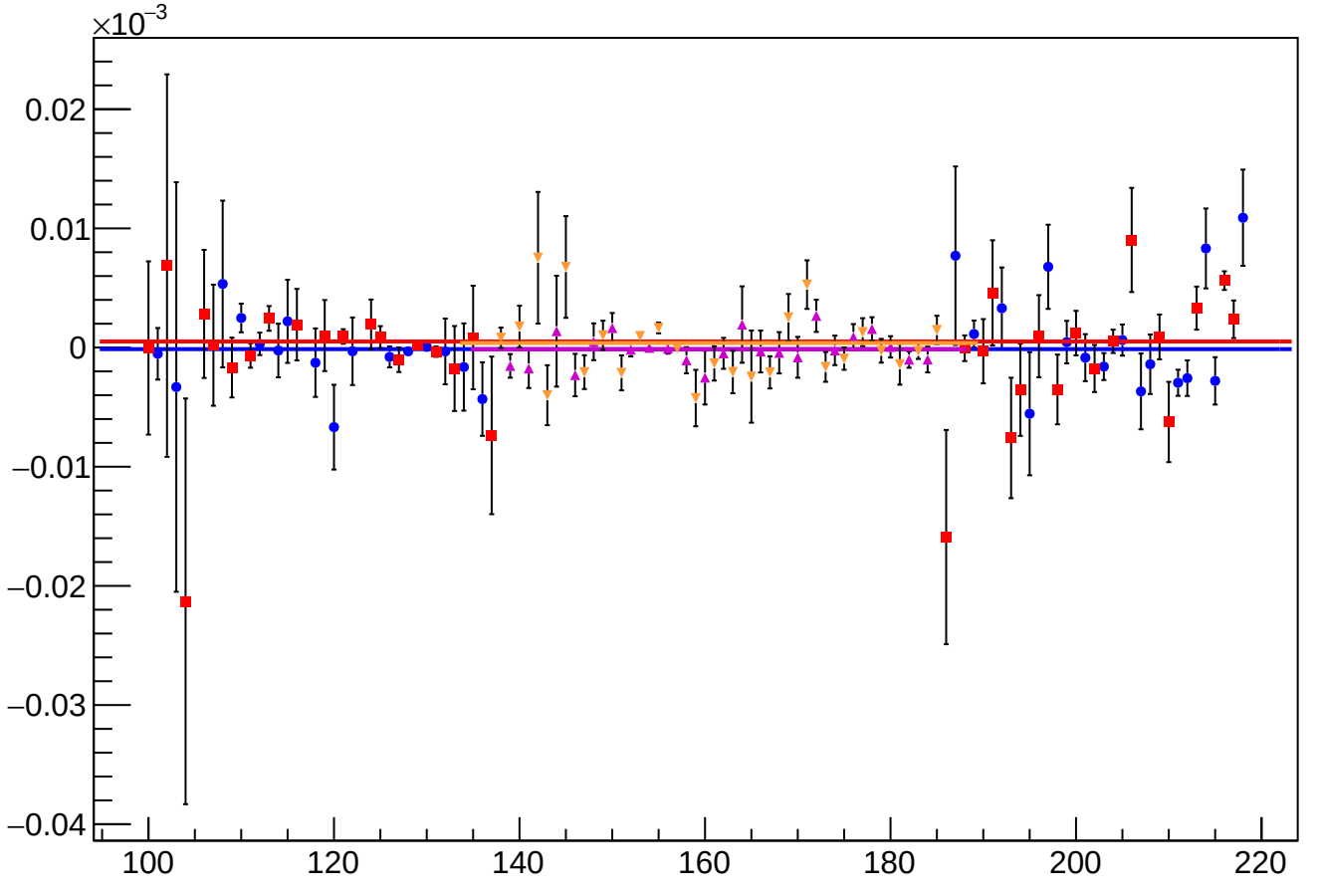
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 66.012+/-0.009 χ^2/NDF: 11201976.6/67

In: 53.683+/-0.007 χ^2/NDF:8290248.6/54

Out: 53.023+/-0.007 χ^2/NDF:11310849.3/60

All: 53.353+/-0.005 χ^2/NDF: 19605318.8/115



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: 84.1/35

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

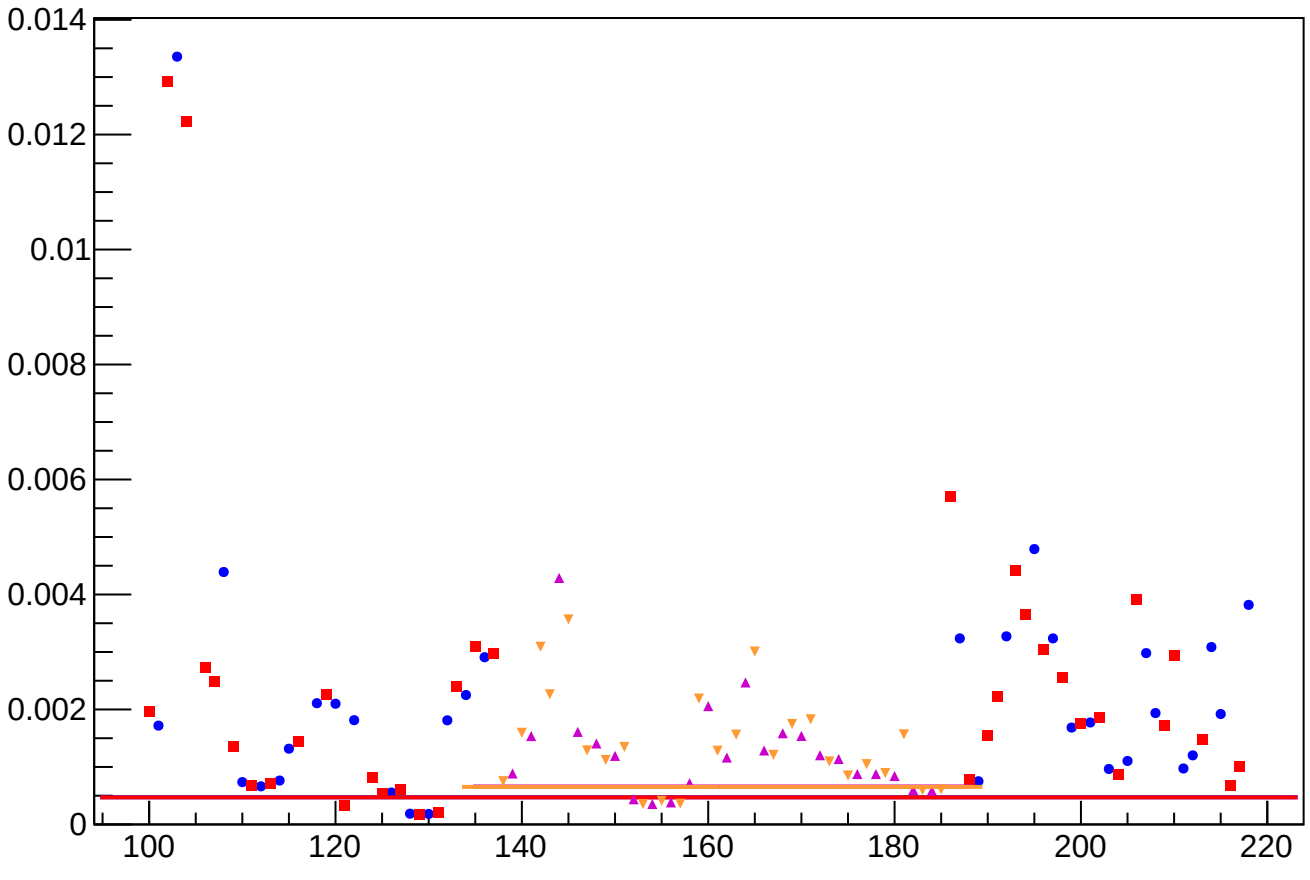
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 140.5/67

In: -0.000+/-0.000 χ^2/NDF:69.8/54

Out: 0.000+/-0.000 χ^2/NDF:136.0/60

All: 0.000+/-0.000 χ^2/NDF: 216.2/115



Right In: 0.000+/-0.000 χ^2/NDF: 23674785.5/31

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21895090.5/35

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

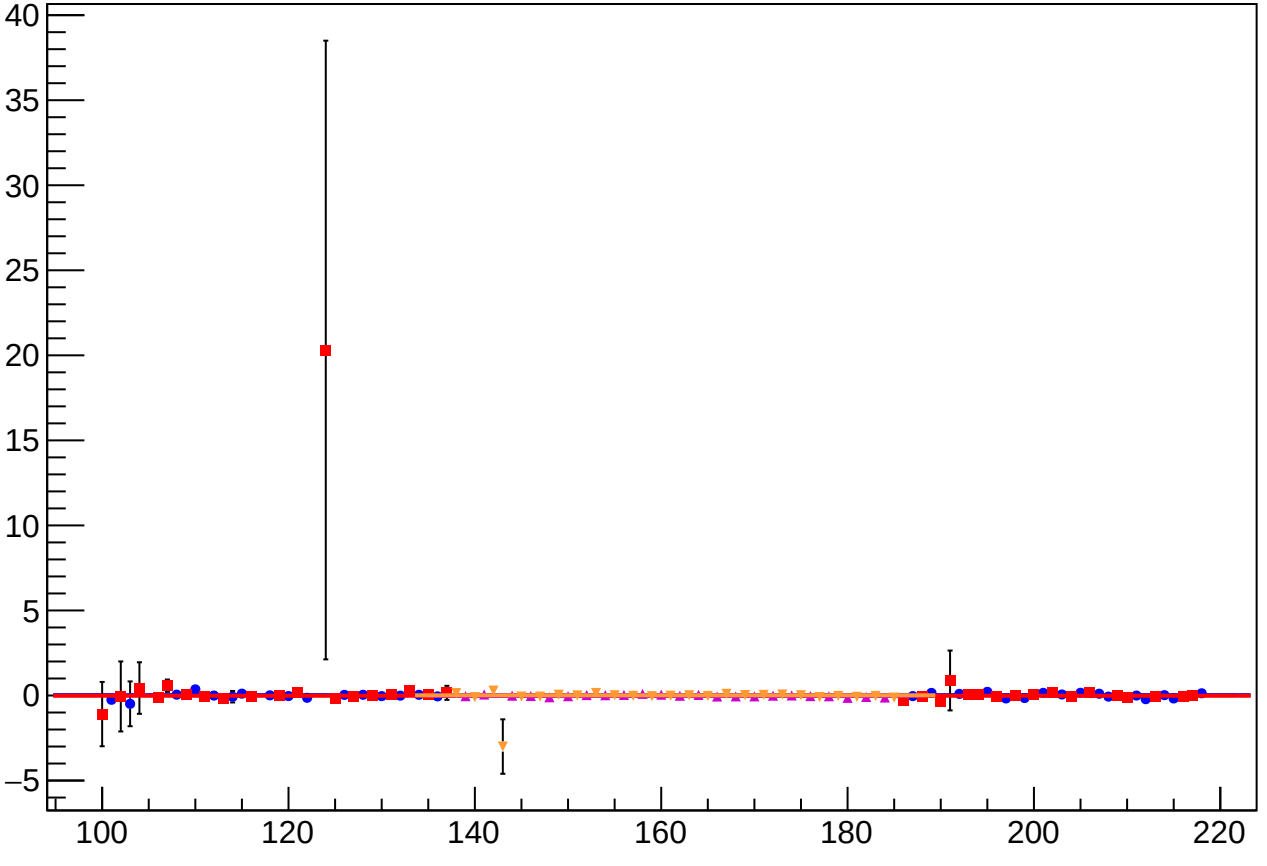
Right: 0.000+/-0.000 χ^2/NDF: 45569990.3/67

In: 0.001+/-0.000 χ^2/NDF:34424116.8/54

Out: 0.001+/-0.000 χ^2/NDF:35022063.6/60

All: 0.001+/-0.000 χ^2/NDF: 69446795.6/115

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: -0.013+/-0.018 χ^2/NDF: 31.8/35

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

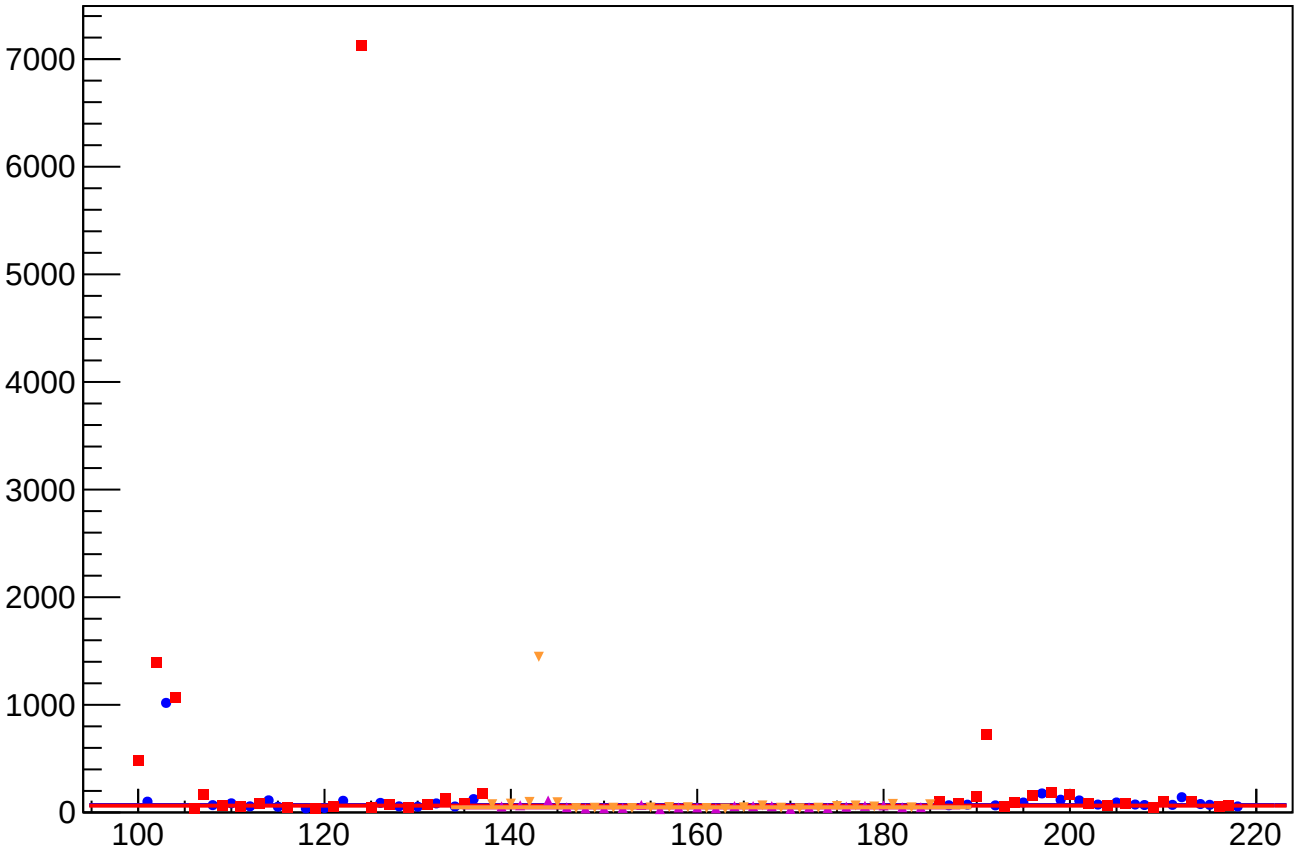
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.003+/-0.013 χ^2/NDF: 67.4/67

In: -0.006+/-0.010 χ^2/NDF:57.3/54

Out: 0.003+/-0.010 χ^2/NDF:62.7/60

All: -0.001+/-0.007 χ^2/NDF: 120.4/115



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: 63.294+/-0.012 χ^2/NDF: 6795832.5/35

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

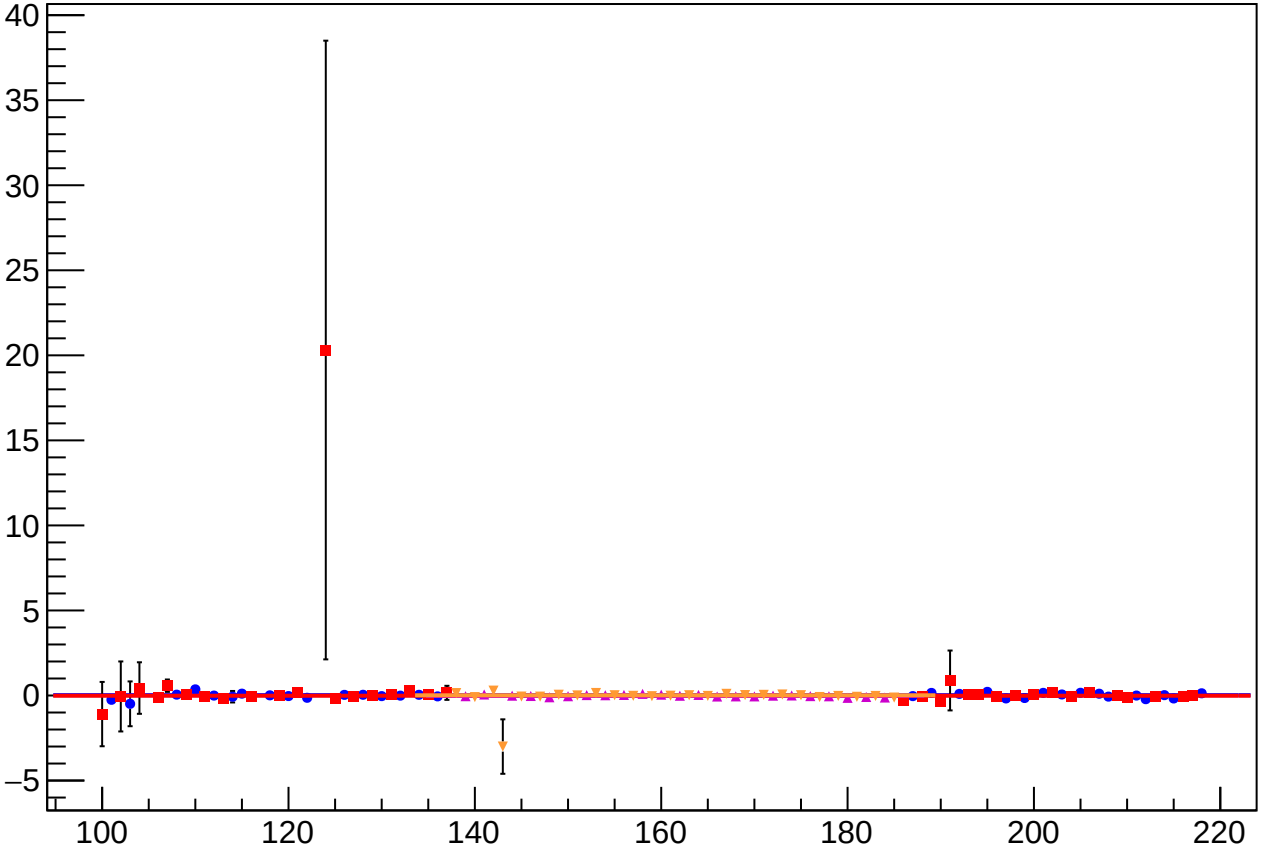
Right: 66.012+/-0.009 χ^2/NDF: 11202285.6/67

In: 53.683+/-0.007 χ^2/NDF:8290335.4/54

Out: 53.023+/-0.007 χ^2/NDF:11310918.9/60

All: 53.353+/-0.005 χ^2/NDF: 19605475.7/115

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: -0.013+/-0.018 χ^2/NDF: 31.8/35

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

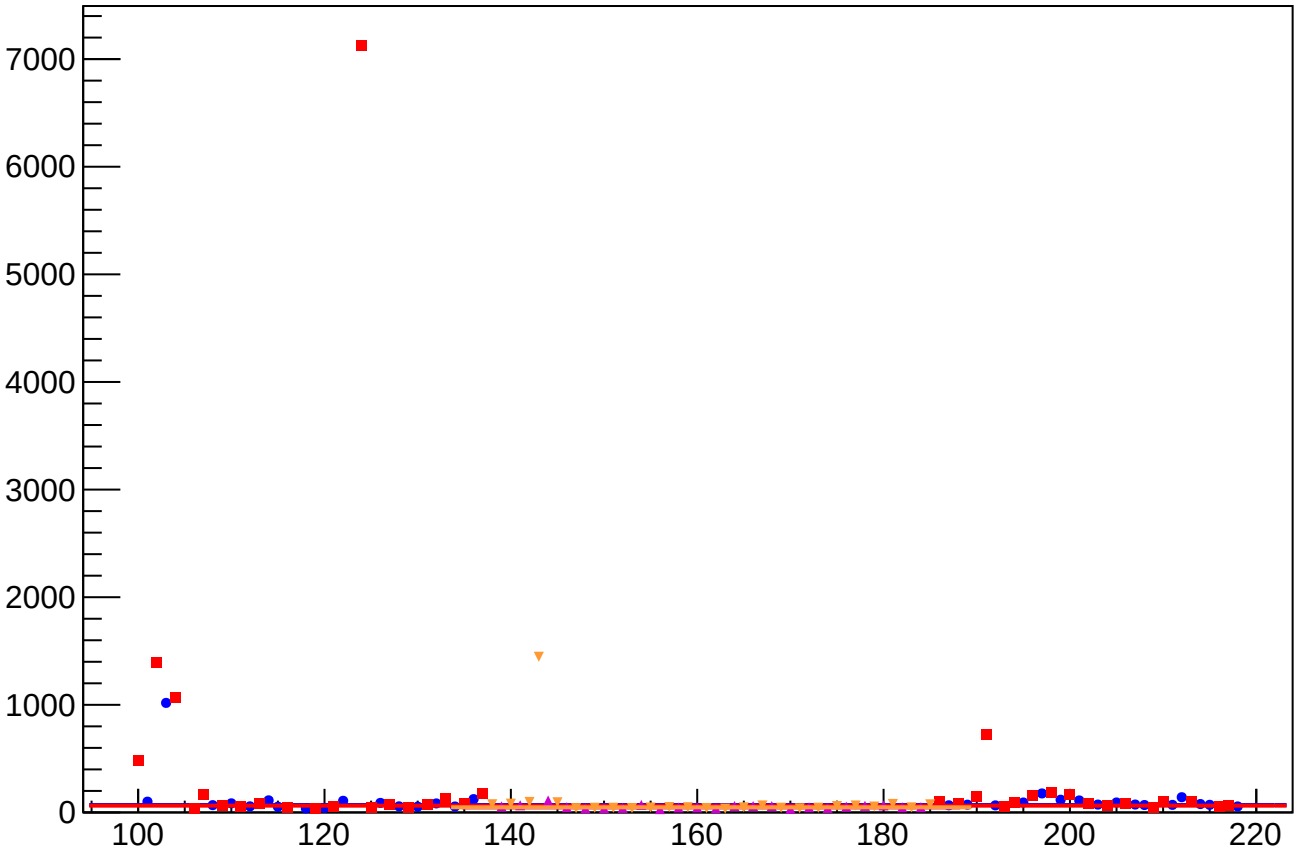
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.003+/-0.013 χ^2/NDF: 67.4/67

In: -0.006+/-0.010 χ^2/NDF:57.3/54

Out: 0.003+/-0.010 χ^2/NDF:62.7/60

All: -0.001+/-0.007 χ^2/NDF: 120.4/115



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: 63.294+/-0.012 χ^2/NDF: 6795832.5/35

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

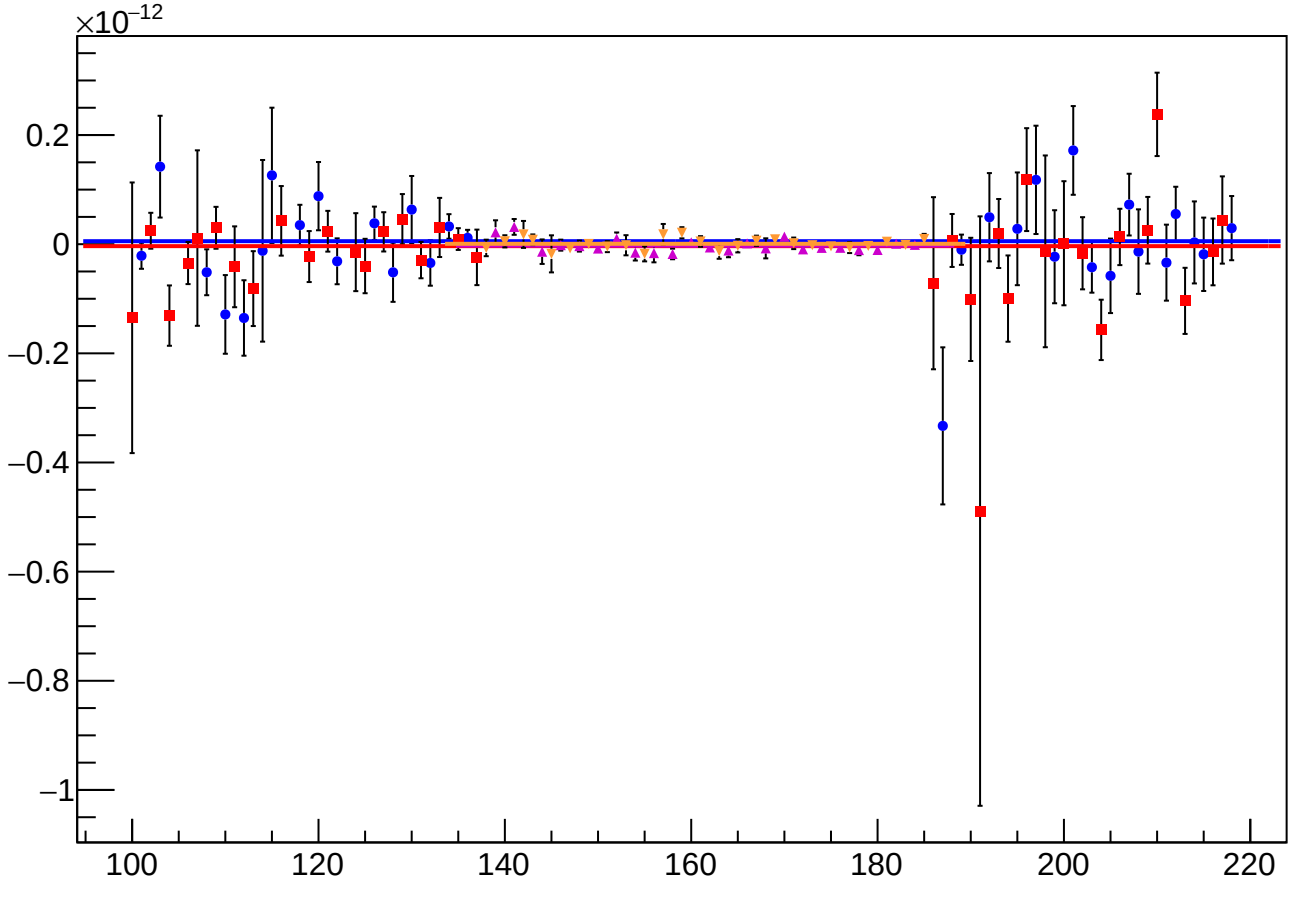
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 66.012+/-0.009 χ^2/NDF: 11202285.6/67

In: 53.683+/-0.007 χ^2/NDF:8290335.4/54

Out: 53.023+/-0.007 χ^2/NDF:11310918.9/60

All: 53.353+/-0.005 χ^2/NDF: 19605475.7/115



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: 40.6/35

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

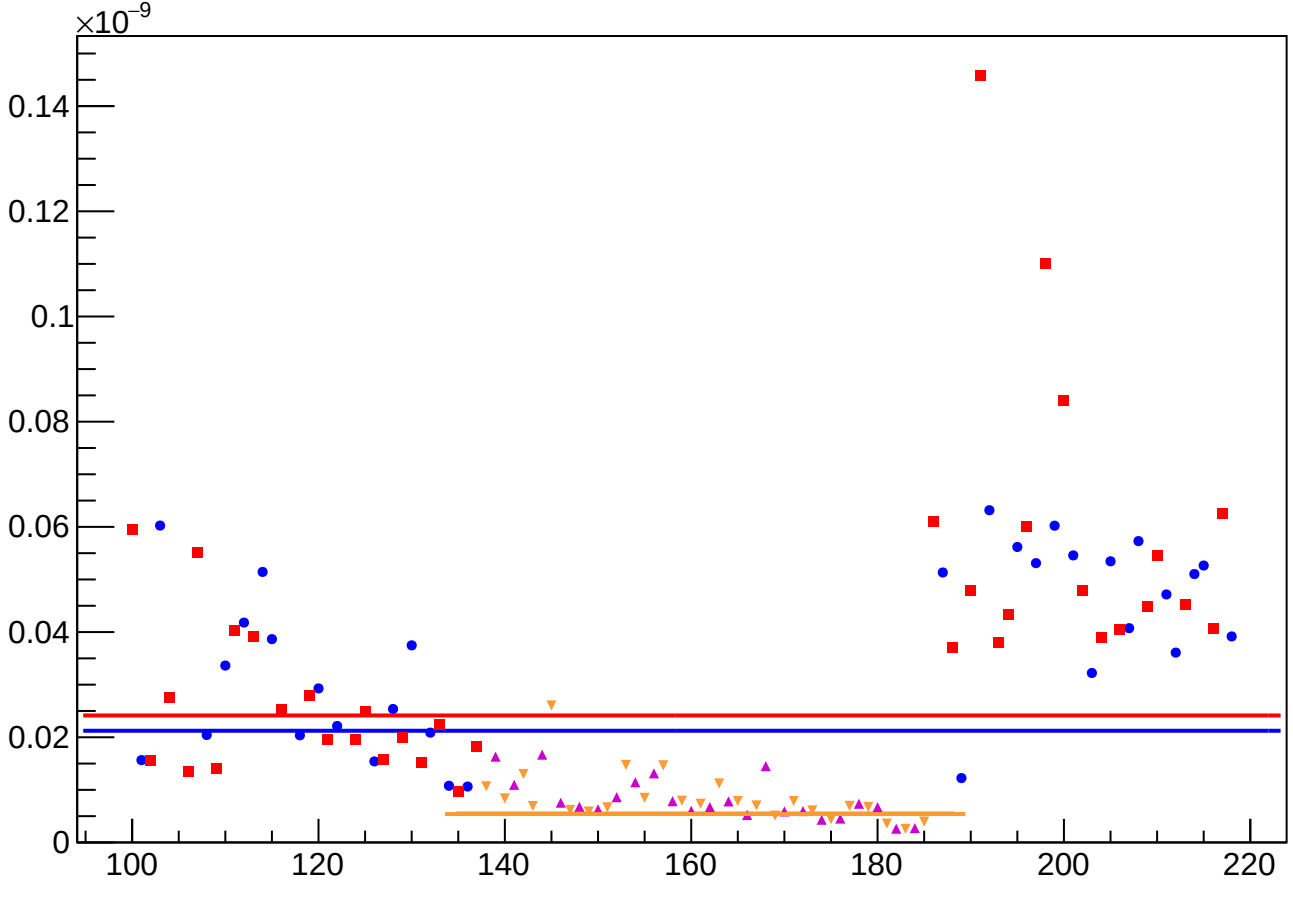
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 80.6/67

In: -0.000+/-0.000 χ^2/NDF:62.3/54

Out: 0.000+/-0.000 χ^2/NDF:56.0/60

All: -0.000+/-0.000 χ^2/NDF: 119.5/115



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: 6116907.5/35

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

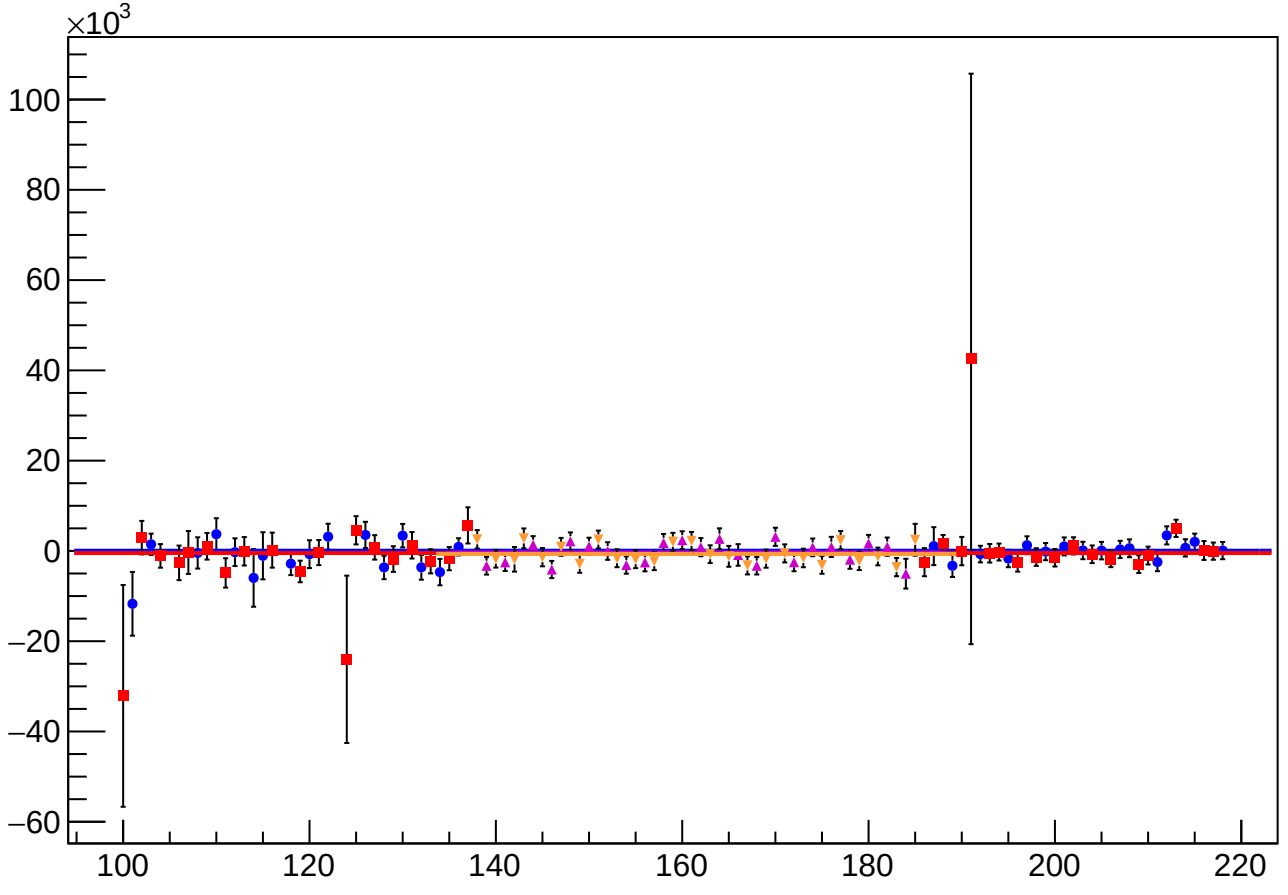
Right: 0.000+/-0.000 χ^2/NDF: 13436140.2/67

In: 0.000+/-0.000 χ^2/NDF:20493912.2/54

Out: 0.000+/-0.000 χ^2/NDF:20510908.1/60

All: 0.000+/-0.000 χ^2/NDF: 41015039.7/115

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: -468.556+/-416.584 χ^2/NDF: 30.9/35

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

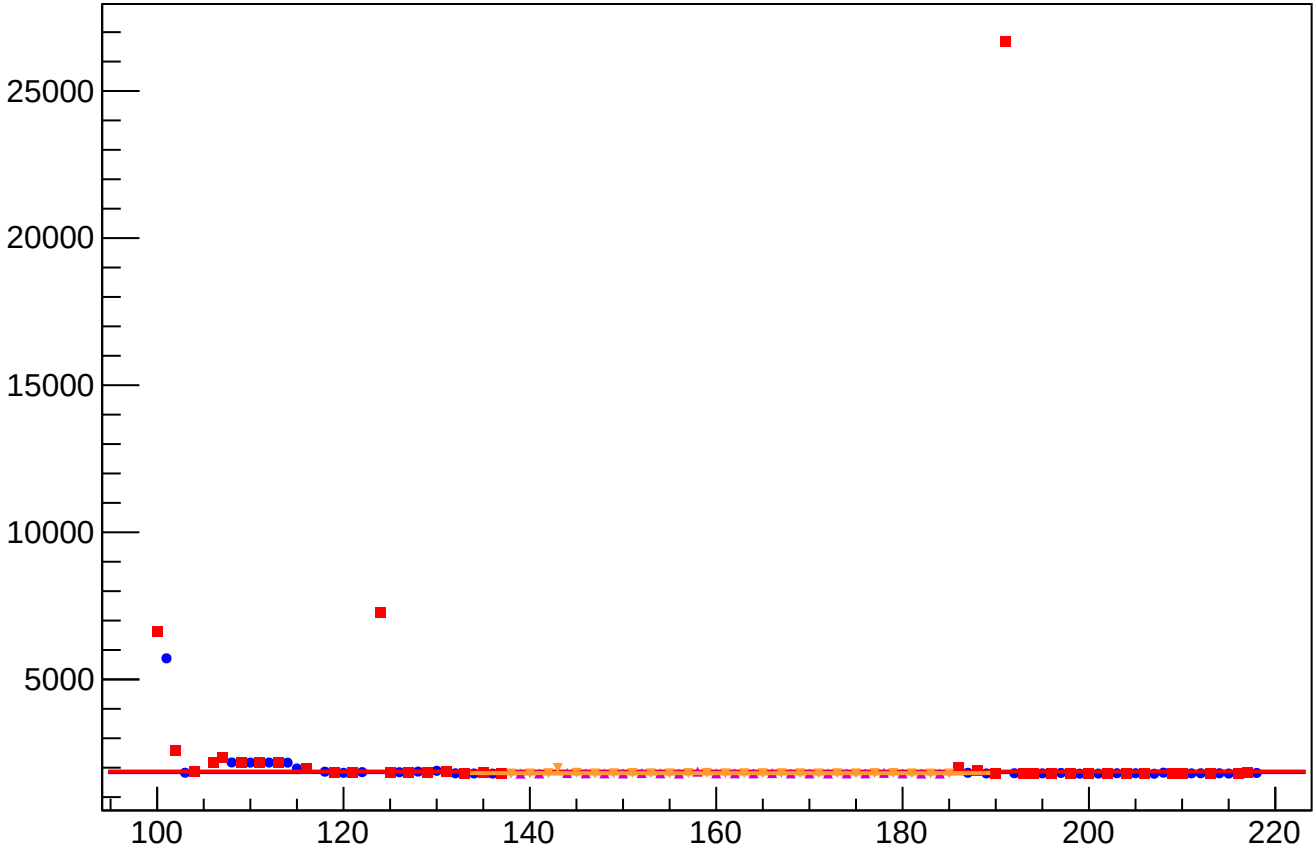
Right: -209.780+/-293.914 χ^2/NDF: 58.2/67

In: -144.409+/-296.043 χ^2/NDF:57.1/54

Out: -570.363+/-293.009 χ^2/NDF:55.7/60

All: -359.579+/-208.253 χ^2/NDF: 113.8/115

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: 1868.209+/-0.295 χ^2/NDF: 758493.8/35

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

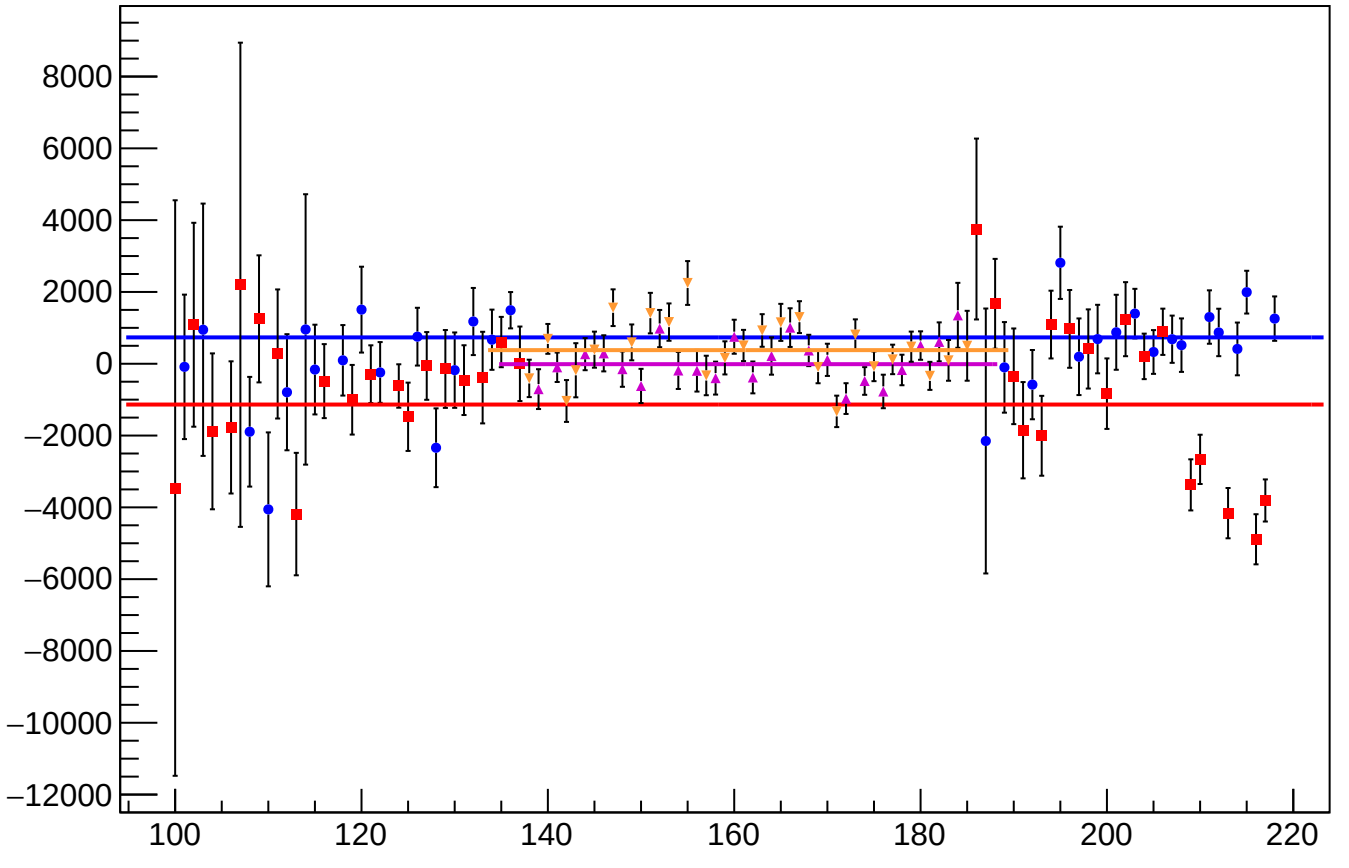
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1858.531+/-0.208 χ^2/NDF: 1440805.0/67

In: 1830.064+/-0.209 χ^2/NDF:690573.6/54

Out: 1841.038+/-0.207 χ^2/NDF:788434.8/60

All: 1835.607+/-0.147 χ^2/NDF: 1480396.6/11



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: -1136.177+/-159.843 χ^2/NDF: 143.9/35

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

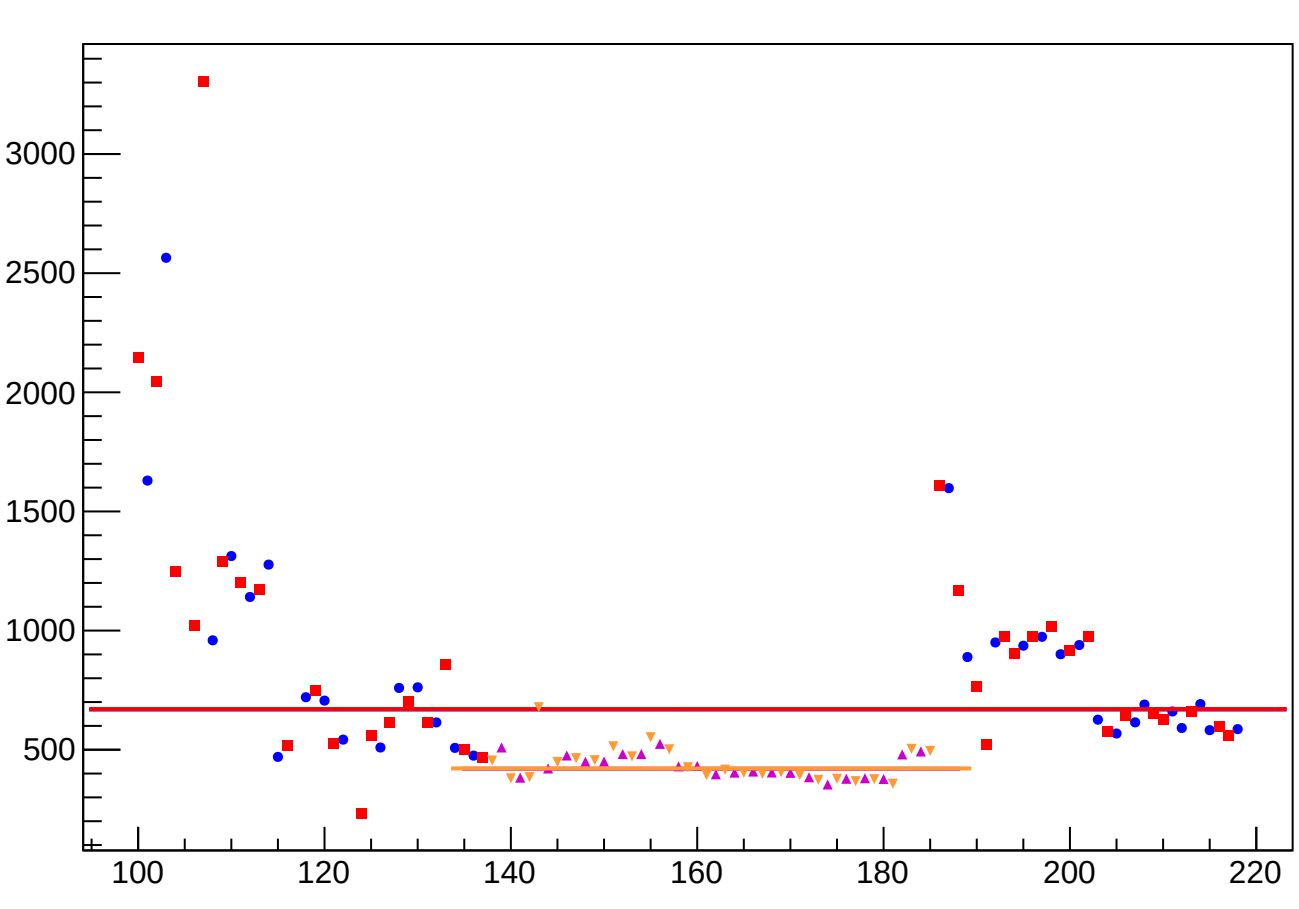
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: -180.408+/-111.776 χ^2/NDF: 251.5/67

In: 201.795+/-83.630 χ^2/NDF:85.0/54

Out: -28.626+/-82.934 χ^2/NDF:271.9/60

All: 85.621+/-58.888 χ^2/NDF: 360.7/115



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: 670.581+/-0.113 χ^2/NDF: 4804091.7/35

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

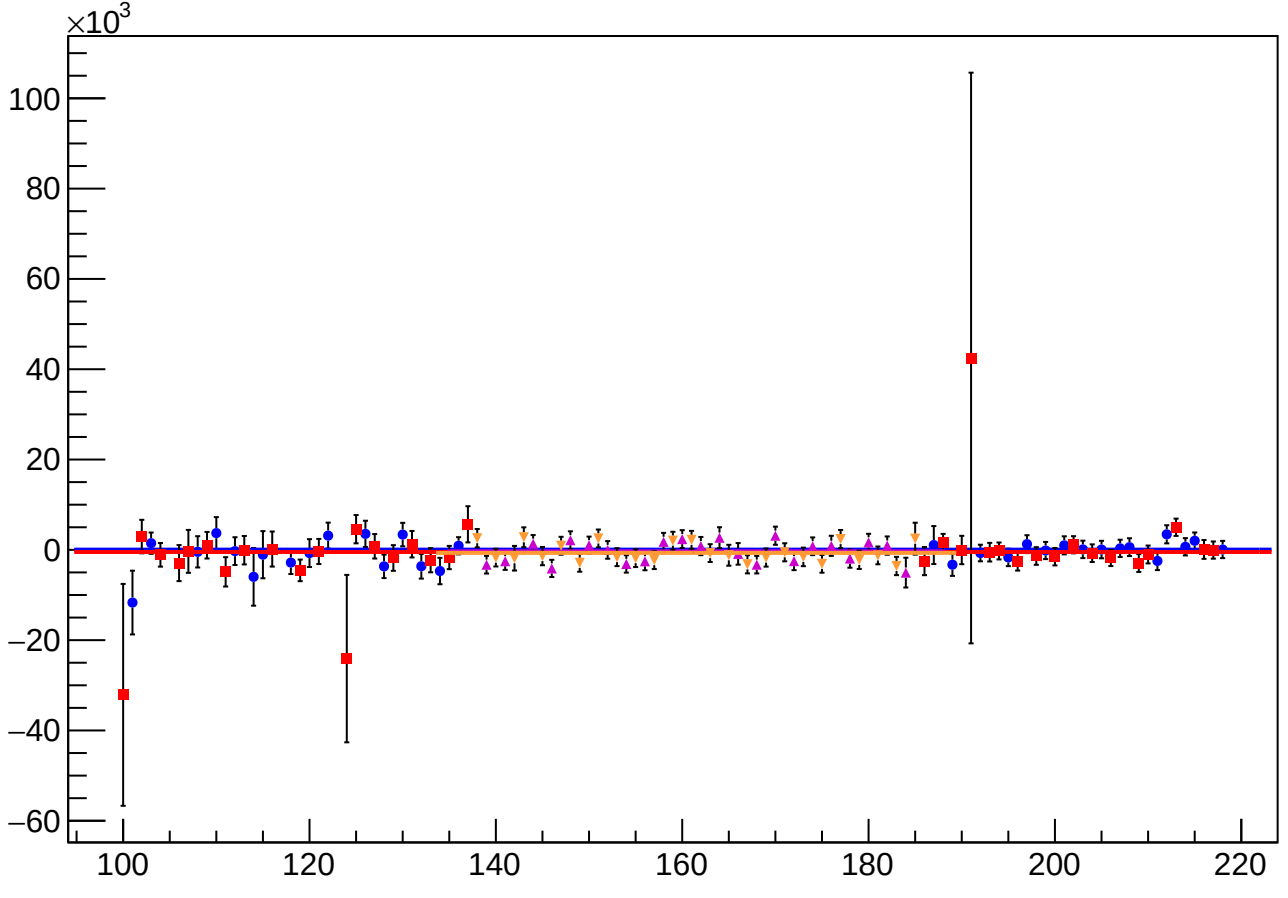
Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

Right: 669.738+/-0.079 χ^2/NDF: 8001903.0/67

In: 491.367+/-0.059 χ^2/NDF:7223313.6/54

Out: 488.491+/-0.059 χ^2/NDF:9098653.1/60

All: 489.917+/-0.042 χ^2/NDF: 16323159.1/11



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: -469.908+/-416.778 χ^2/NDF: 30.9/35

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

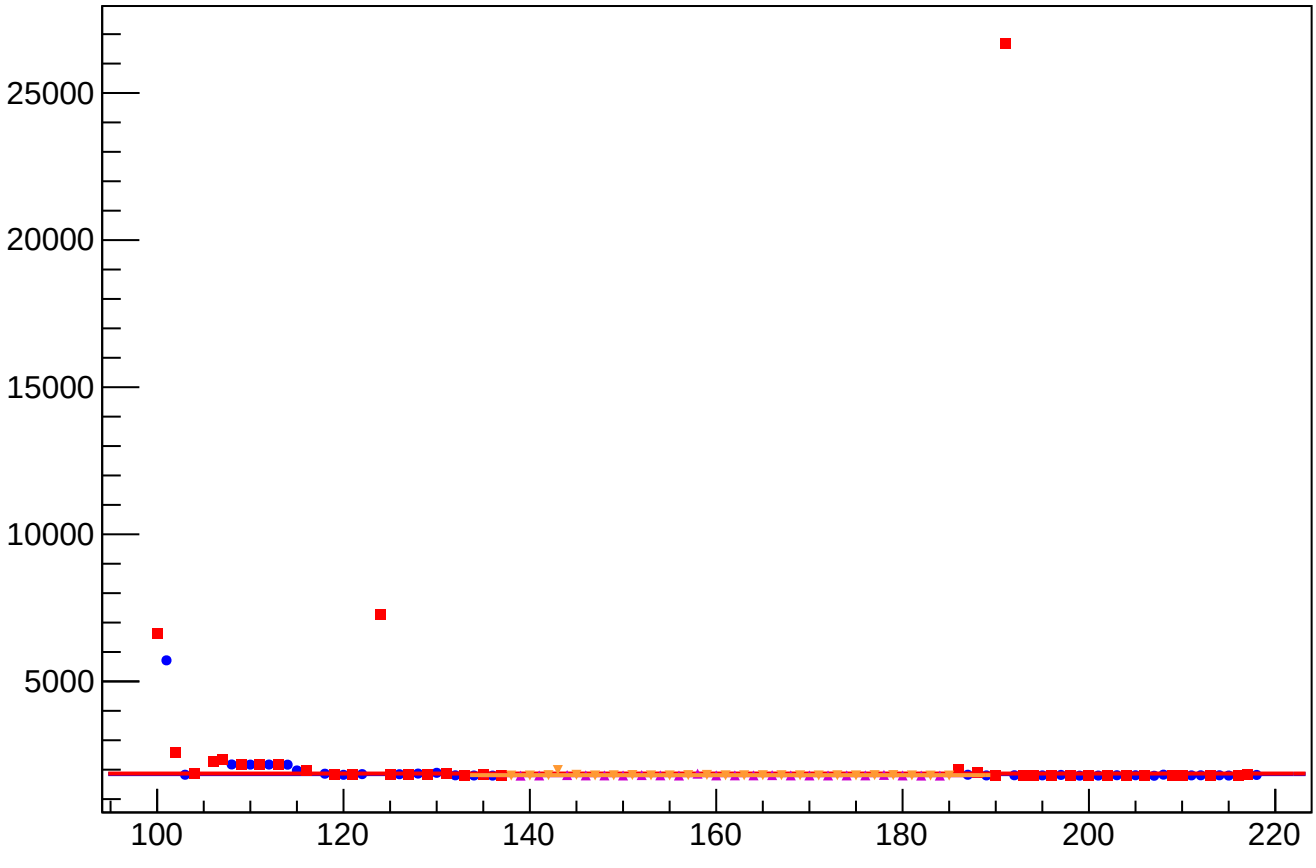
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -210.166+/-293.982 χ^2/NDF: 58.3/67

In: -144.262+/-296.043 χ^2/NDF:57.1/54

Out: -571.073+/-293.077 χ^2/NDF:55.8/60

All: -359.816+/-208.277 χ^2/NDF: 113.9/115



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: 1868.804+/-0.295 χ^2/NDF: 764798.0/35

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

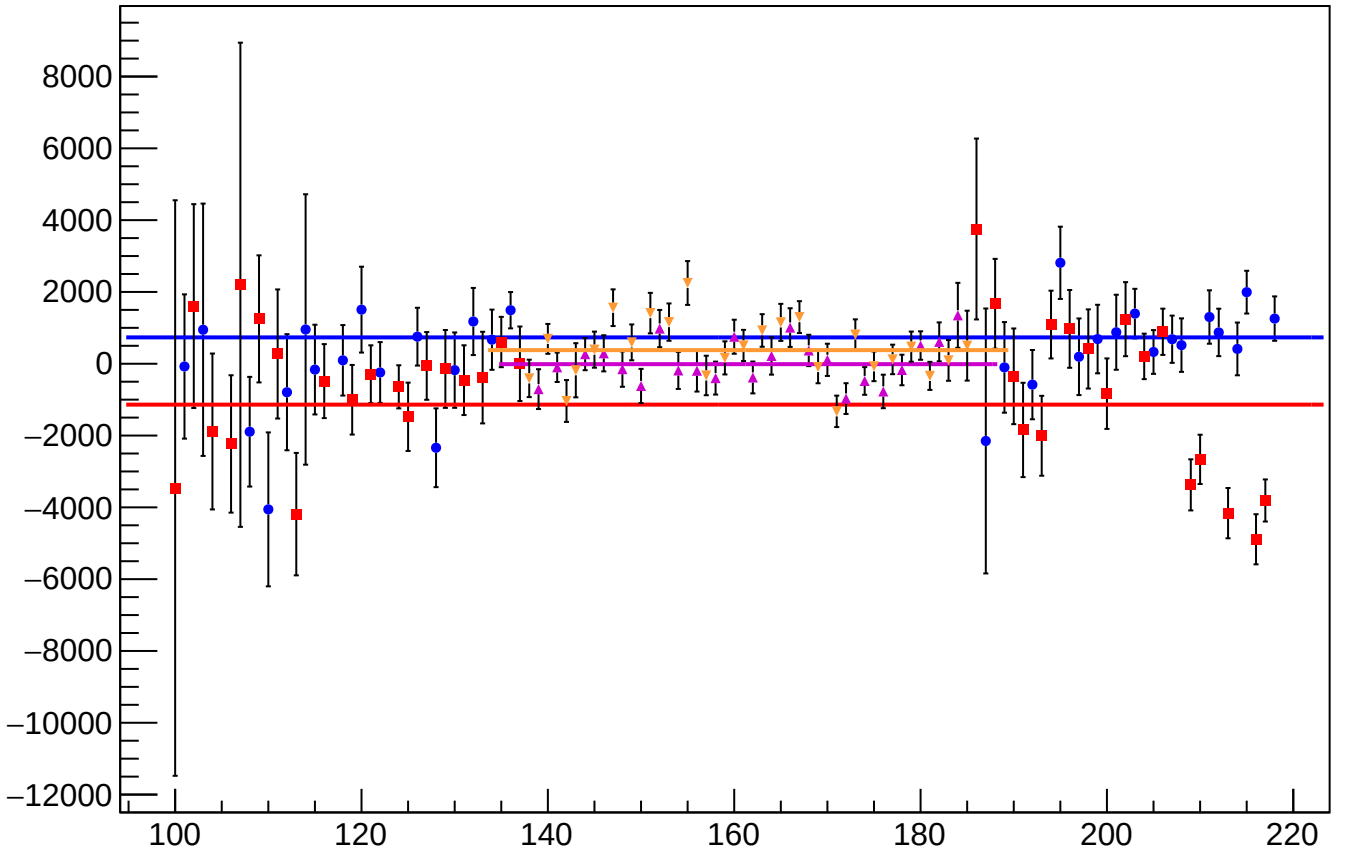
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1858.822+/-0.208 χ^2/NDF: 1447242.8/67

In: 1830.064+/-0.209 χ^2/NDF:690573.5/54

Out: 1841.320+/-0.207 χ^2/NDF:795105.6/60

All: 1835.748+/-0.147 χ^2/NDF: 1487139.1/11



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: -1138.805+/-159.757 χ^2/NDF: 144.3/35

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

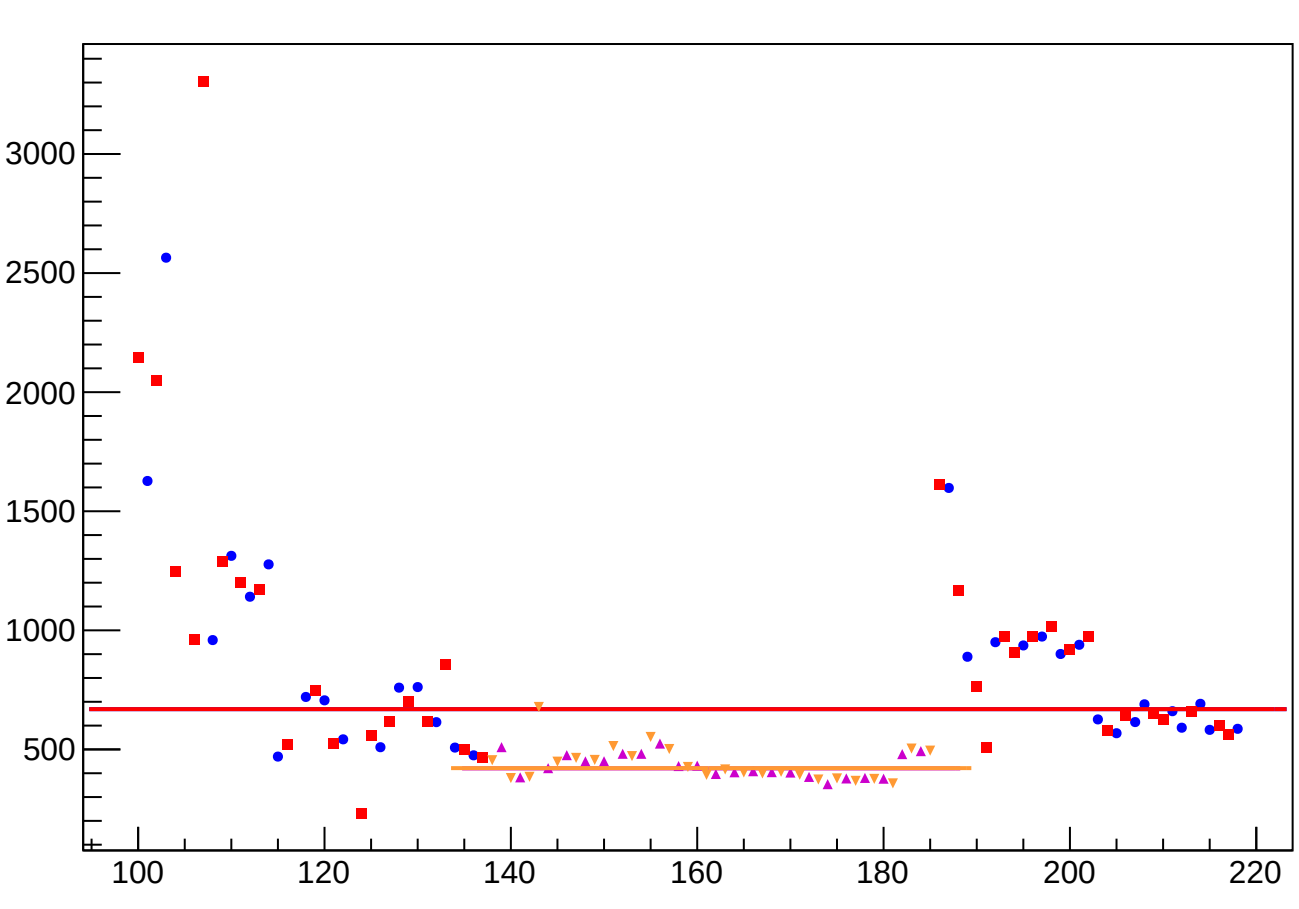
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -182.131+/-111.746 χ^2/NDF: 252.2/67

In: 201.818+/-83.629 χ^2/NDF:85.1/54

Out: -29.667+/-82.922 χ^2/NDF:272.6/60

All: 85.093+/-58.883 χ^2/NDF: 361.6/115



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: 669.132+/-0.113 χ^2/NDF: 4809441.0/35

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

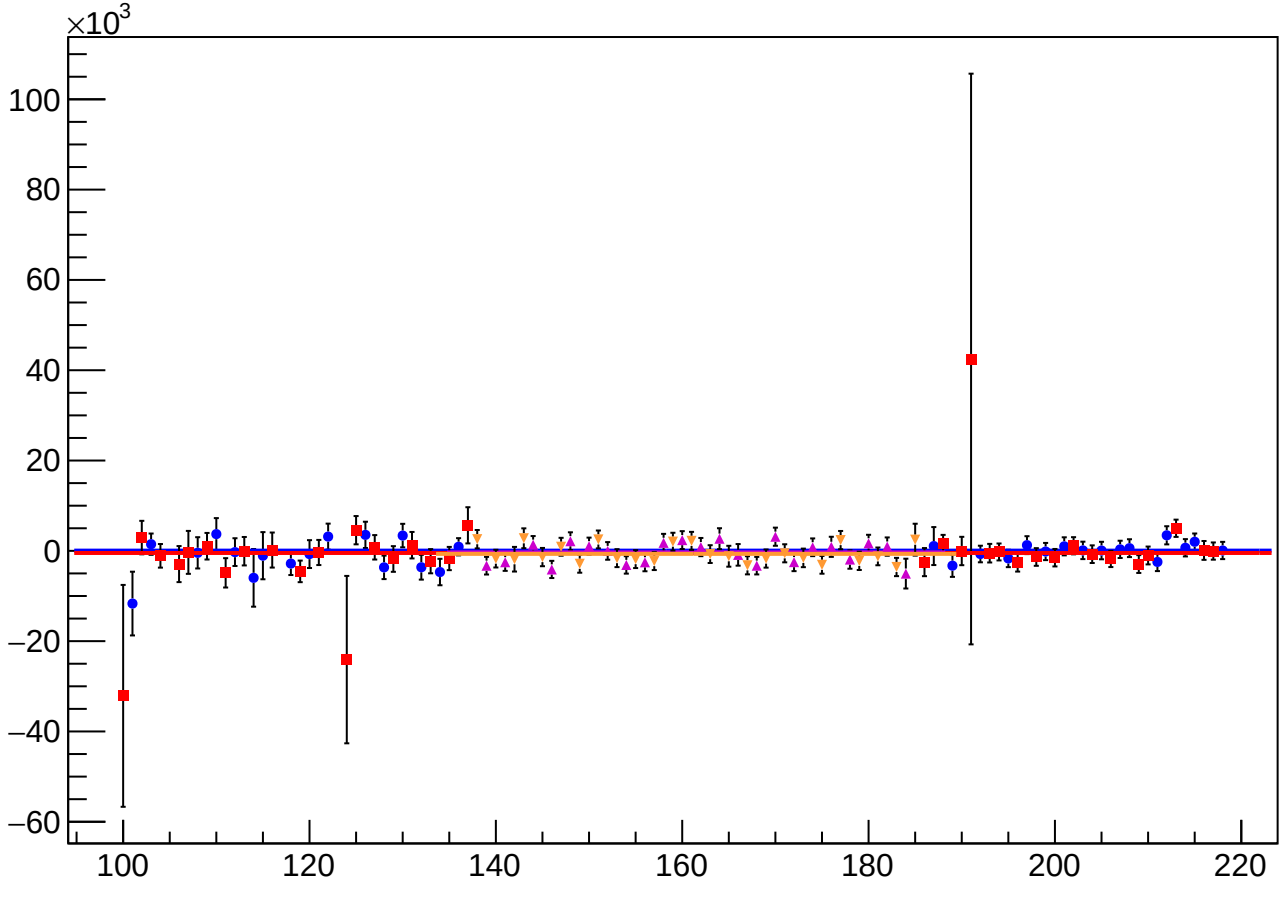
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 669.029+/-0.079 χ^2/NDF: 8006319.2/67

In: 491.365+/-0.059 χ^2/NDF:7222712.9/54

Out: 488.157+/-0.059 χ^2/NDF:9065416.6/60

All: 489.747+/-0.042 χ^2/NDF: 16289613.3/11



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: -469.908+/-416.778 χ^2/NDF: 30.9/35

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

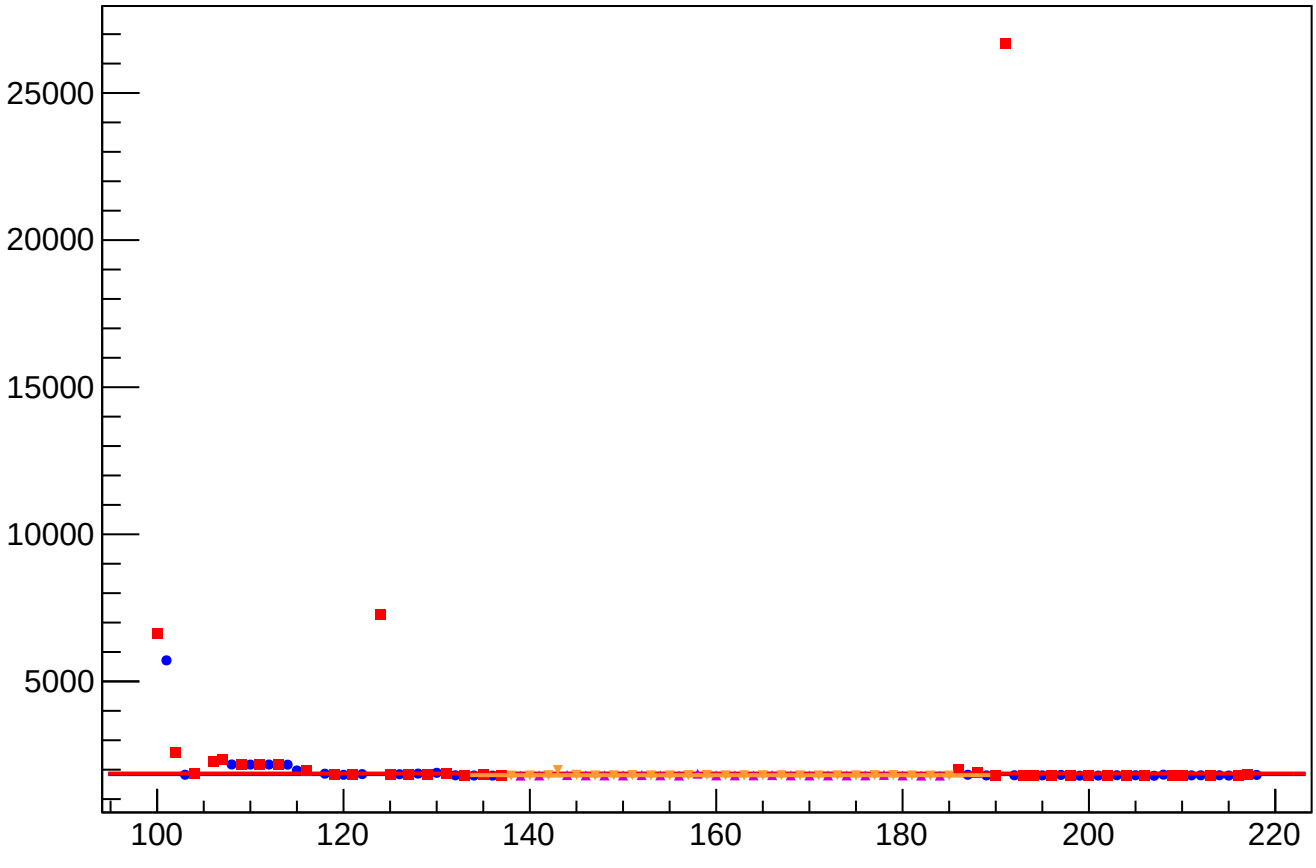
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -210.166+/-293.982 χ^2/NDF: 58.3/67

In: -144.262+/-296.043 χ^2/NDF:57.1/54

Out: -571.073+/-293.077 χ^2/NDF:55.8/60

All: -359.816+/-208.277 χ^2/NDF: 113.9/115



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: 1868.804+/-0.295 χ^2/NDF: 764798.0/35

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

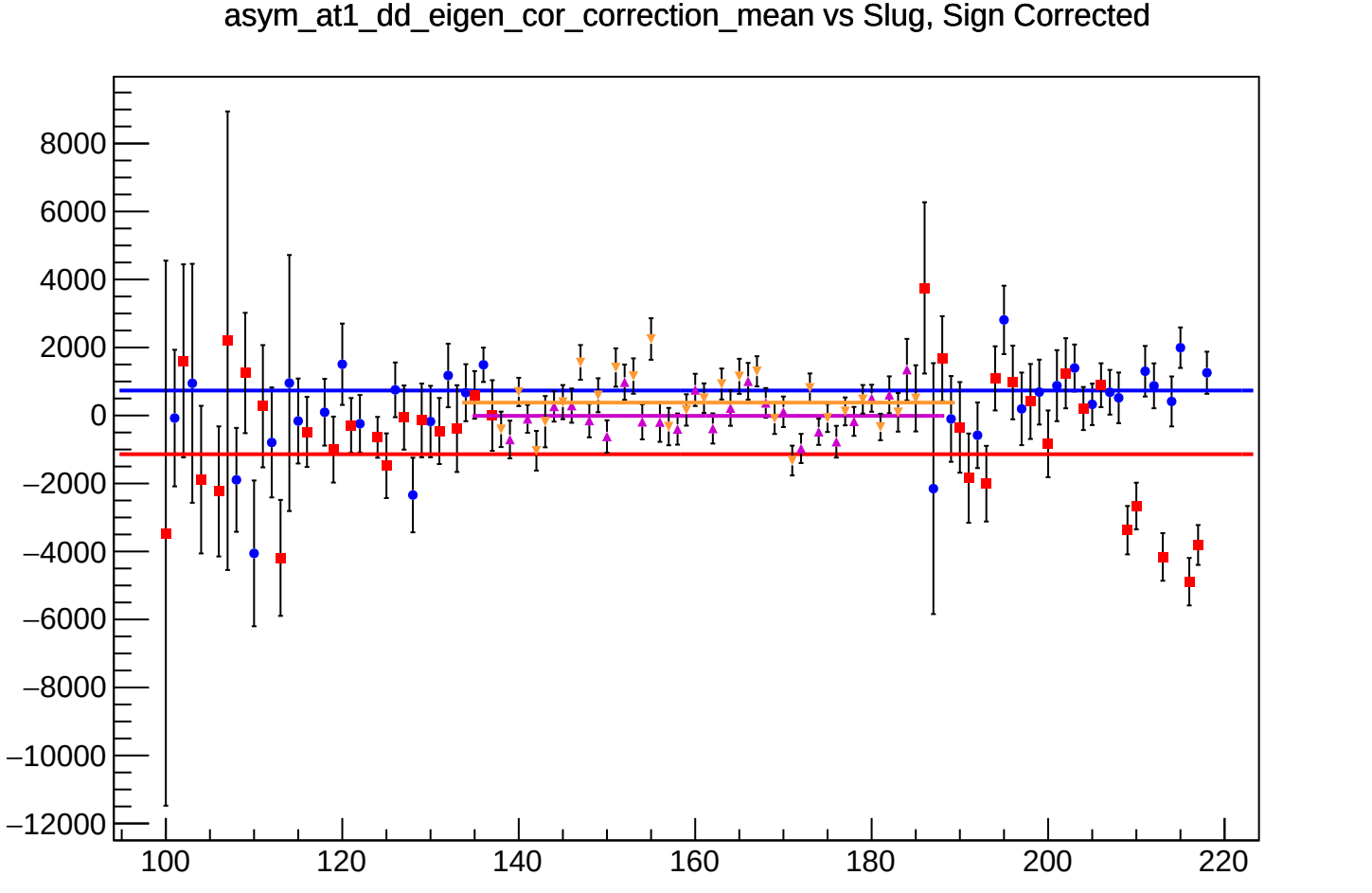
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1858.822+/-0.208 χ^2/NDF: 1447242.8/67

In: 1830.064+/-0.209 χ^2/NDF:690573.5/54

Out: 1841.320+/-0.207 χ^2/NDF:795105.6/60

All: 1835.748+/-0.147 χ^2/NDF: 1487139.1/11



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: -1138.805+/-159.757 χ^2/NDF: 144.3/35

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

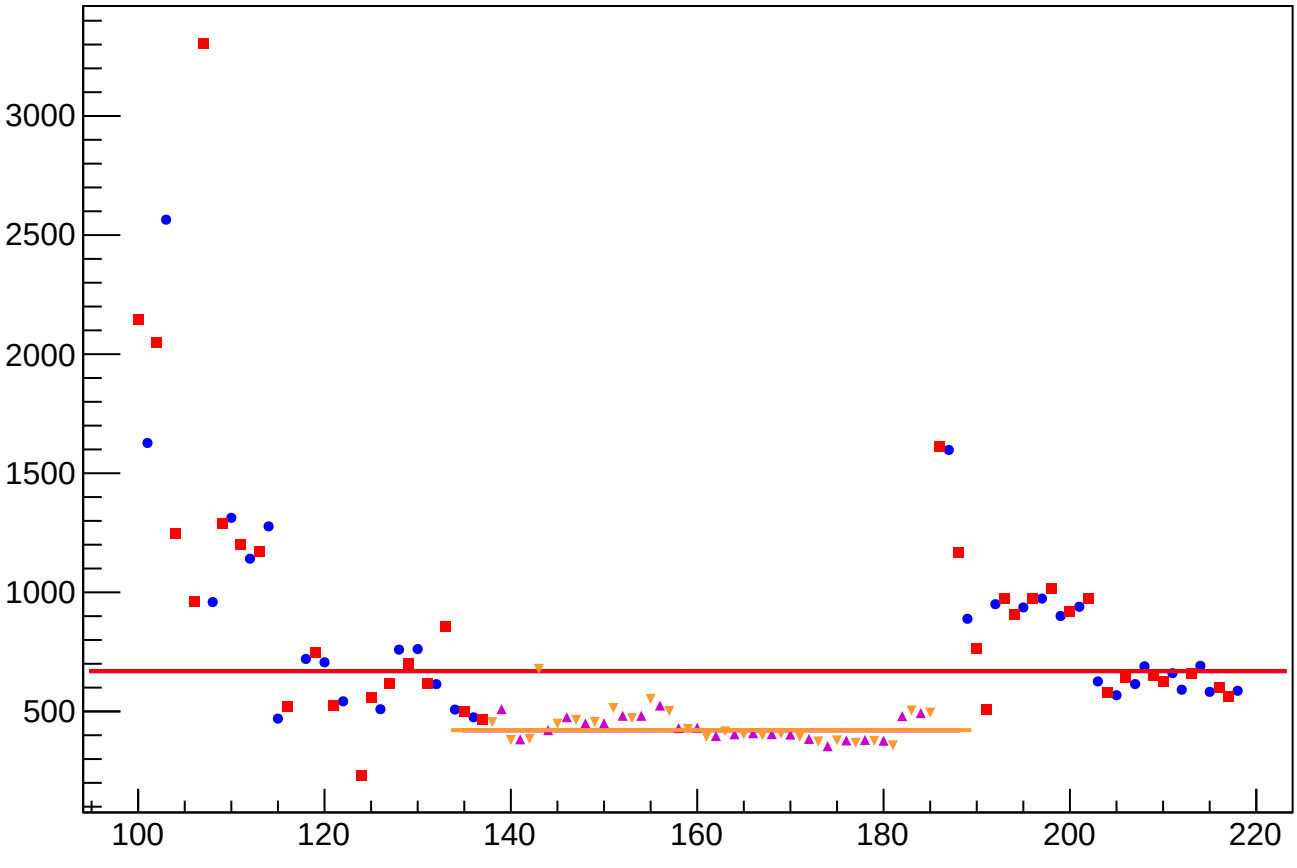
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -182.131+/-111.746 χ^2/NDF: 252.2/67

In: 201.818+/-83.629 χ^2/NDF:85.1/54

Out: -29.667+/-82.922 χ^2/NDF:272.6/60

All: 85.093+/-58.883 χ^2/NDF: 361.6/115



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: 669.132+/-0.113 χ^2/NDF: 4809441.0/35

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

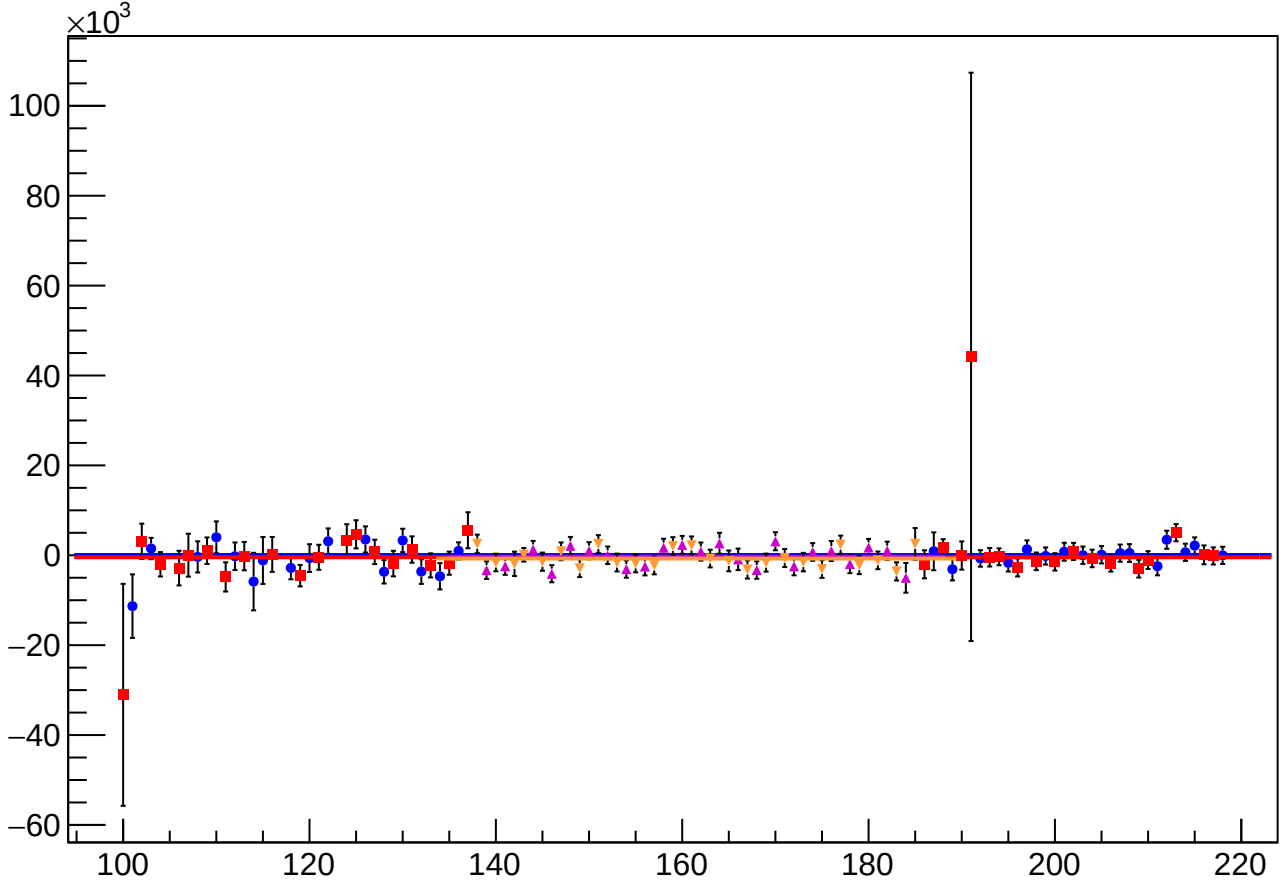
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 669.029+/-0.079 χ^2/NDF: 8006319.2/67

In: 491.365+/-0.059 χ^2/NDF:7222712.9/54

Out: 488.157+/-0.059 χ^2/NDF:9065416.6/60

All: 489.747+/-0.042 χ^2/NDF: 16289613.3/11



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: -446.461+/-414.998 χ^2/NDF: 30.4/35

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

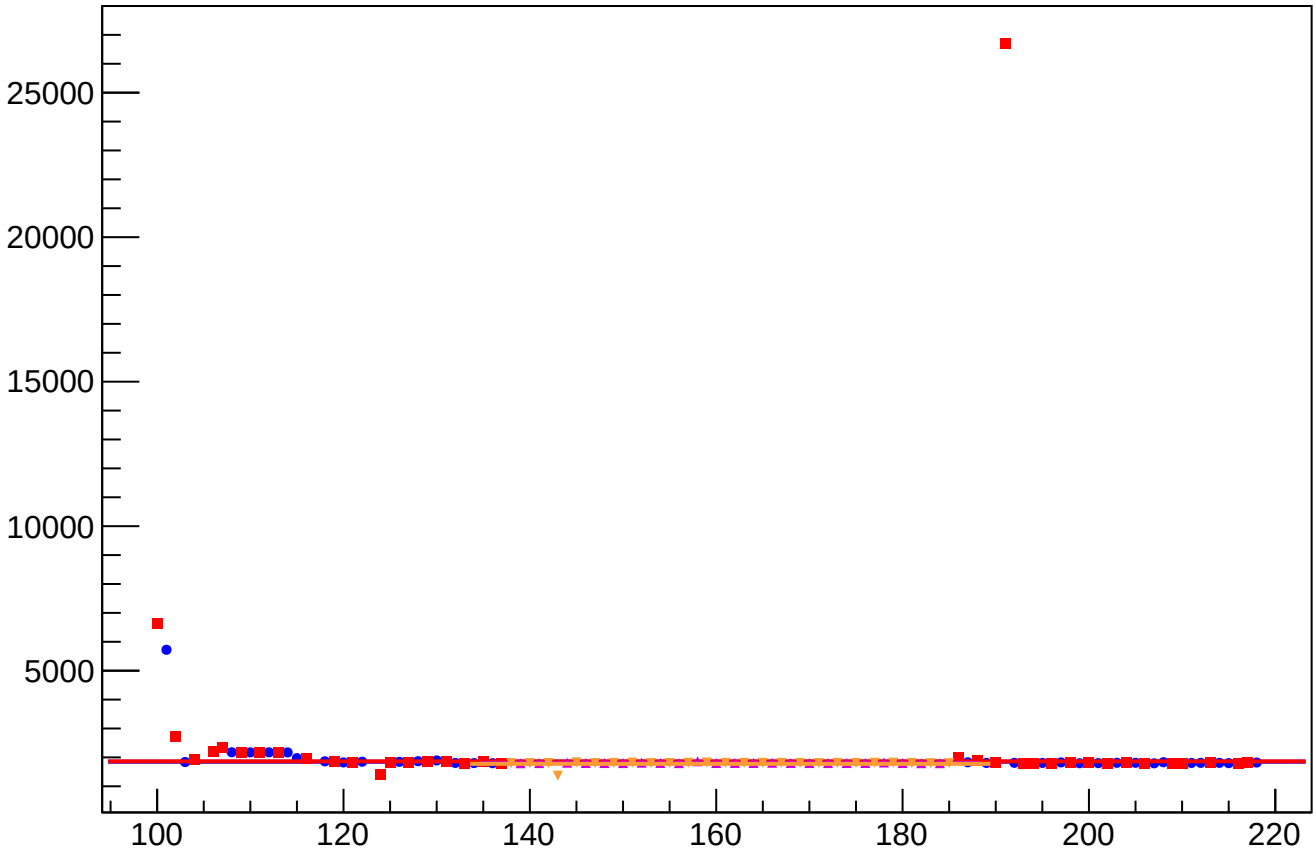
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -194.328+/-293.499 χ^2/NDF: 57.5/67

In: -137.946+/-296.240 χ^2/NDF:56.4/54

Out: -589.084+/-289.635 χ^2/NDF:52.9/60

All: -368.601+/-207.098 χ^2/NDF: 110.4/115



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: 1862.458+/-0.293 χ^2/NDF: 639031.1/35

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

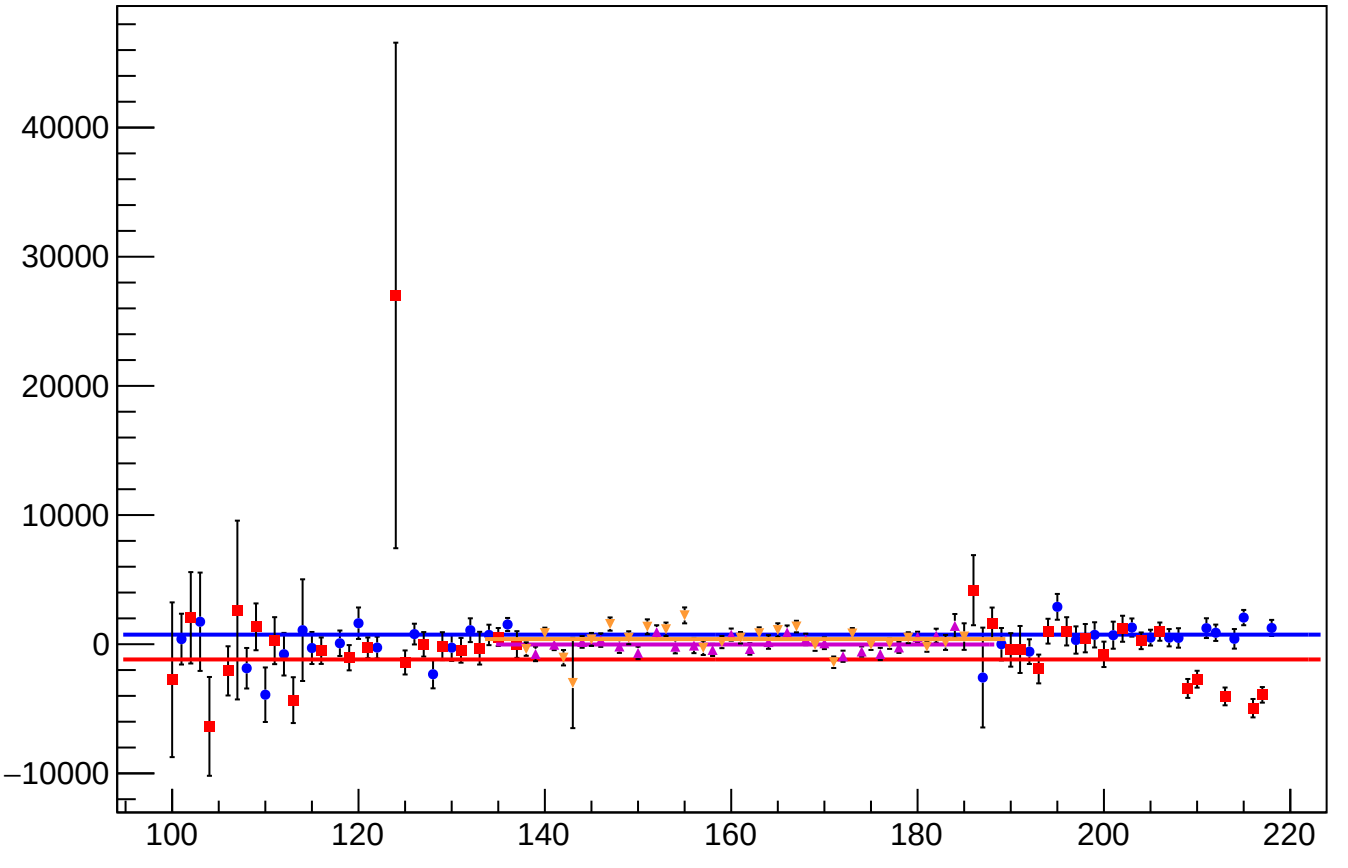
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1856.551+/-0.208 χ^2/NDF: 1319888.6/67

In: 1831.226+/-0.209 χ^2/NDF:690923.7/54

Out: 1818.483+/-0.205 χ^2/NDF:844109.5/60

All: 1824.711+/-0.146 χ^2/NDF: 1536925.3/11



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: -1180.085+/-167.900 χ^2/NDF: 145.7/35

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

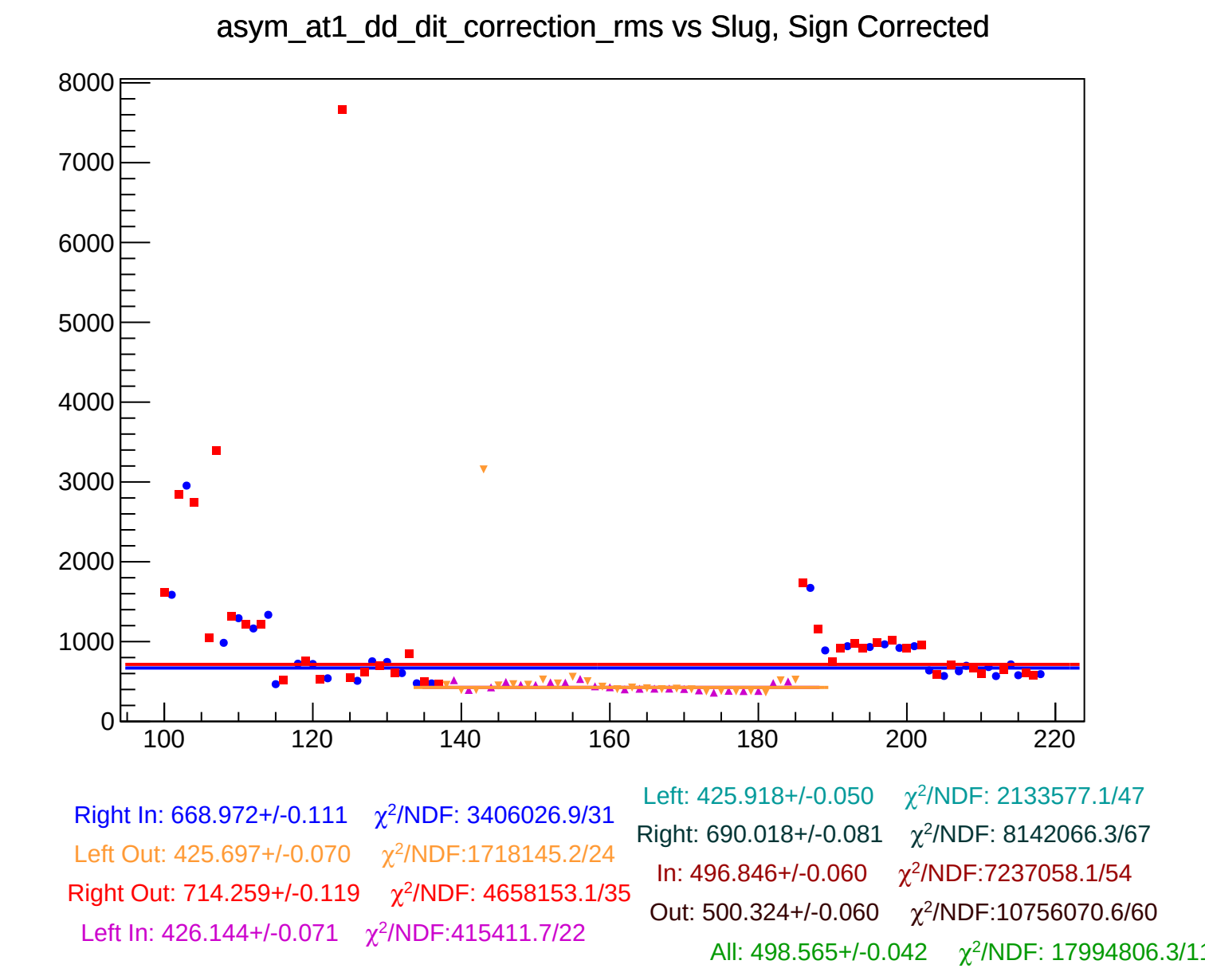
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

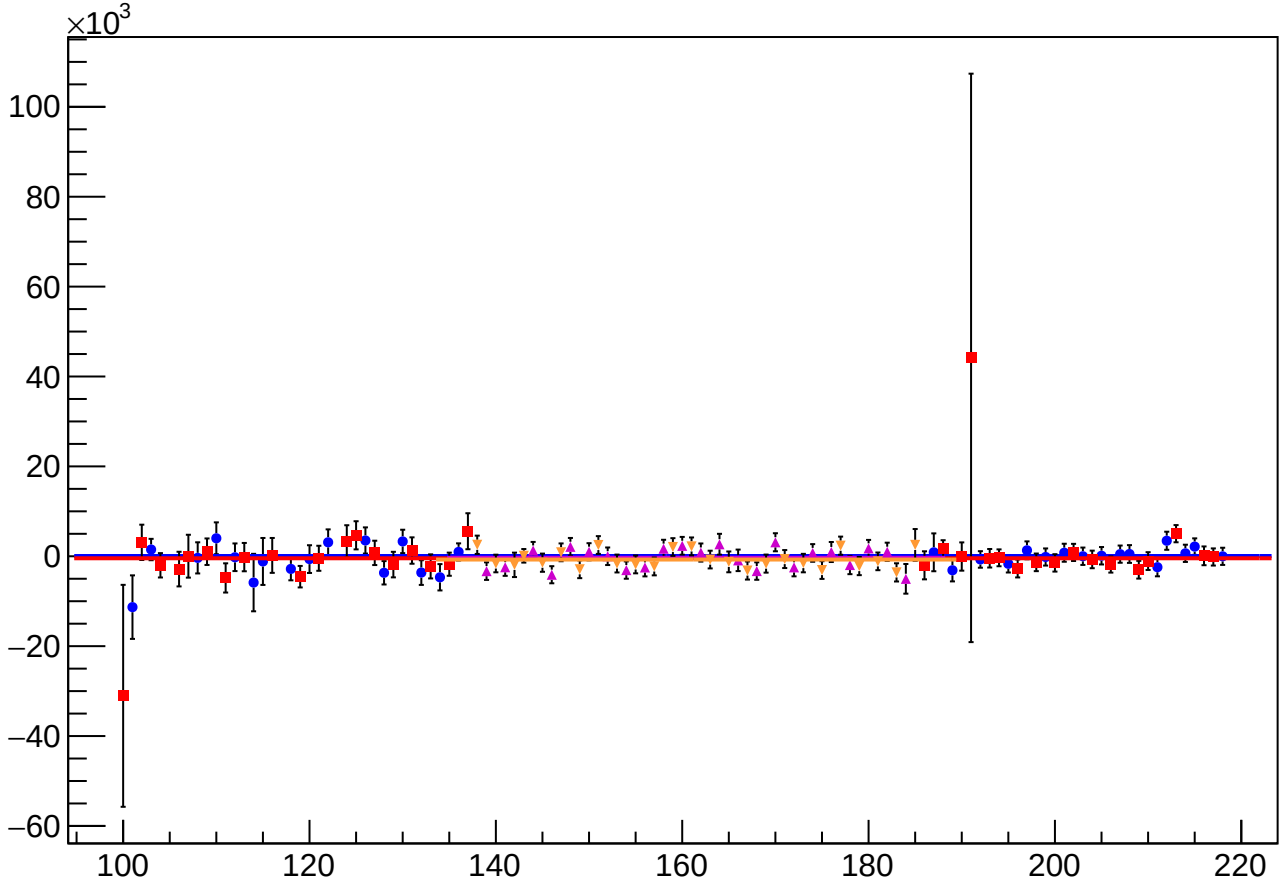
Right: -151.663+/-114.457 χ^2/NDF: 253.9/67

In: 200.597+/-84.415 χ^2/NDF:85.8/54

Out: -9.921+/-85.384 χ^2/NDF:271.7/60

All: 96.540+/-60.030 χ^2/NDF: 360.6/115


asym_at1_dd_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 668.972+/-0.111 χ²/NDF: 3406026.9/31
Left Out: 425.697+/-0.070 χ²/NDF:1718145.2/24
Right Out: 714.259+/-0.119 χ²/NDF: 4658153.1/35
Left In: 426.144+/-0.071 χ²/NDF:415411.7/22
Left: 425.918+/-0.050 χ²/NDF: 2133577.1/47
Right: 690.018+/-0.081 χ²/NDF: 8142066.3/67
In: 496.846+/-0.060 χ²/NDF:7237058.1/54
Out: 500.324+/-0.060 χ²/NDF:10756070.6/60
All: 498.565+/-0.042 χ²/NDF: 17994806.3/11



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: -446.460+/-414.998 χ^2/NDF: 30.4/35

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

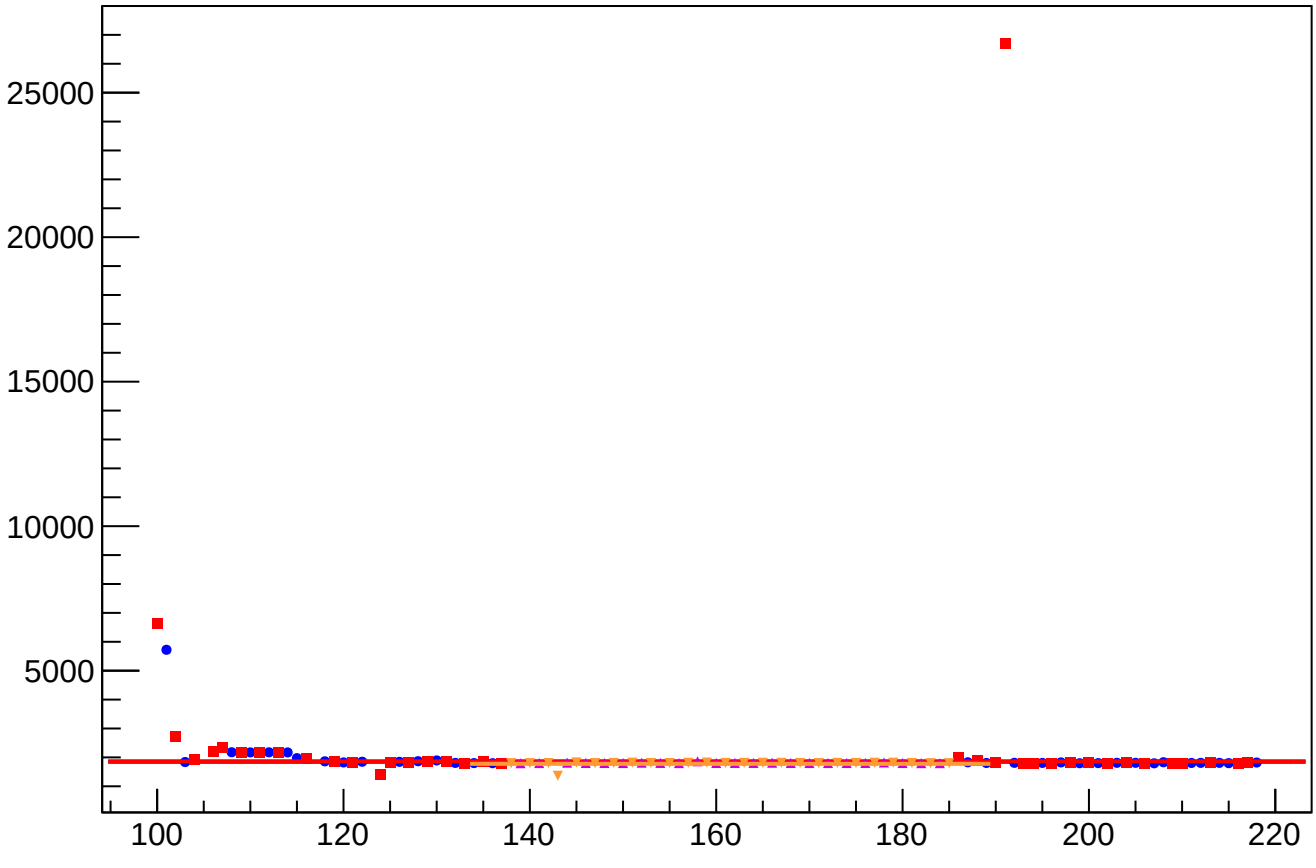
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -194.328+/-293.499 χ^2/NDF: 57.5/67

In: -137.947+/-296.240 χ^2/NDF:56.4/54

Out: -589.084+/-289.635 χ^2/NDF:52.9/60

All: -368.601+/-207.098 χ^2/NDF: 110.4/115



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: 1862.458+/-0.293 χ^2/NDF: 639030.9/35

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

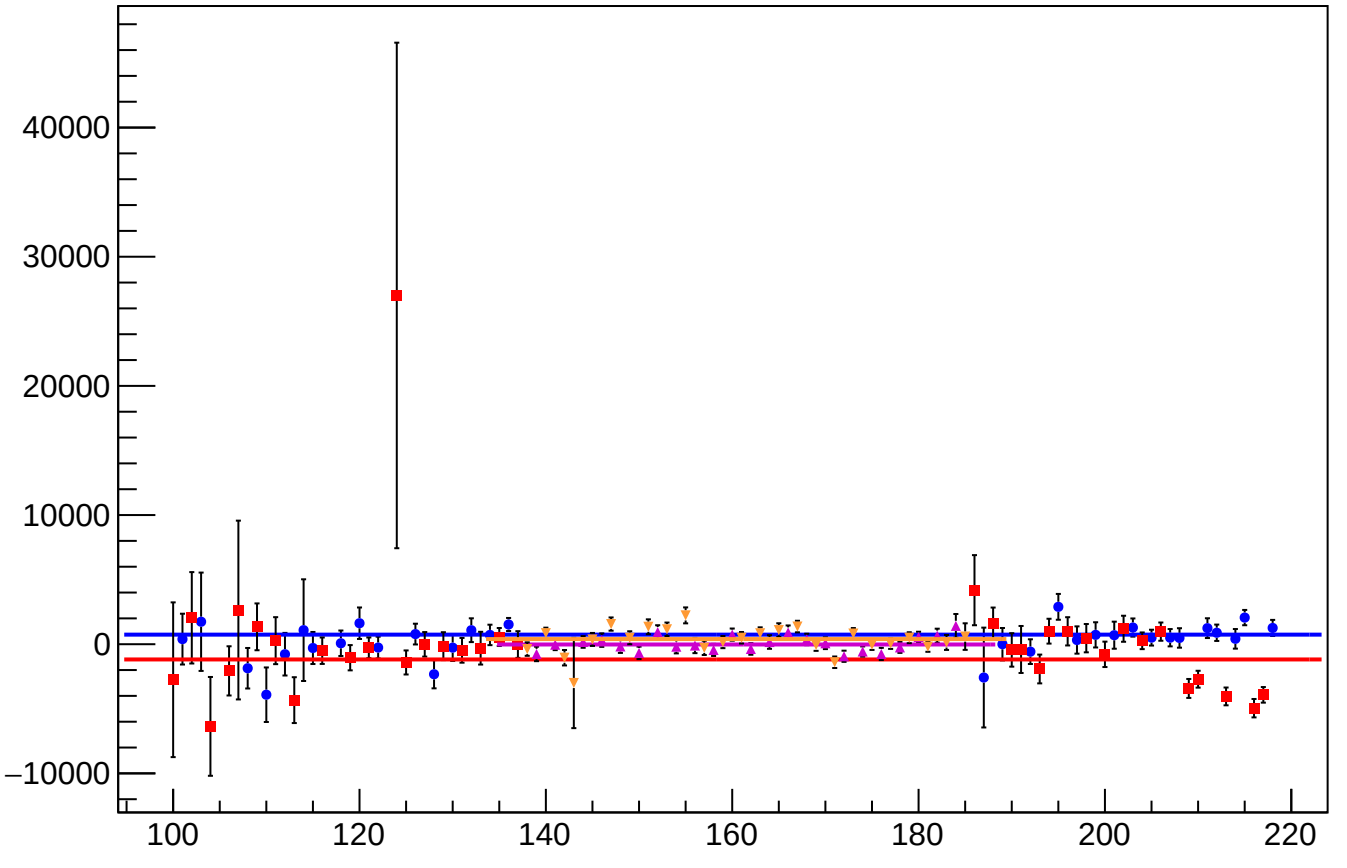
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1856.551+/-0.208 χ^2/NDF: 1319888.4/67

In: 1831.226+/-0.209 χ^2/NDF:690923.7/54

Out: 1818.483+/-0.205 χ^2/NDF:844109.2/60

All: 1824.711+/-0.146 χ^2/NDF: 1536925.1/11



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: -1180.082+/-167.900 χ^2/NDF: 145.7/35

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

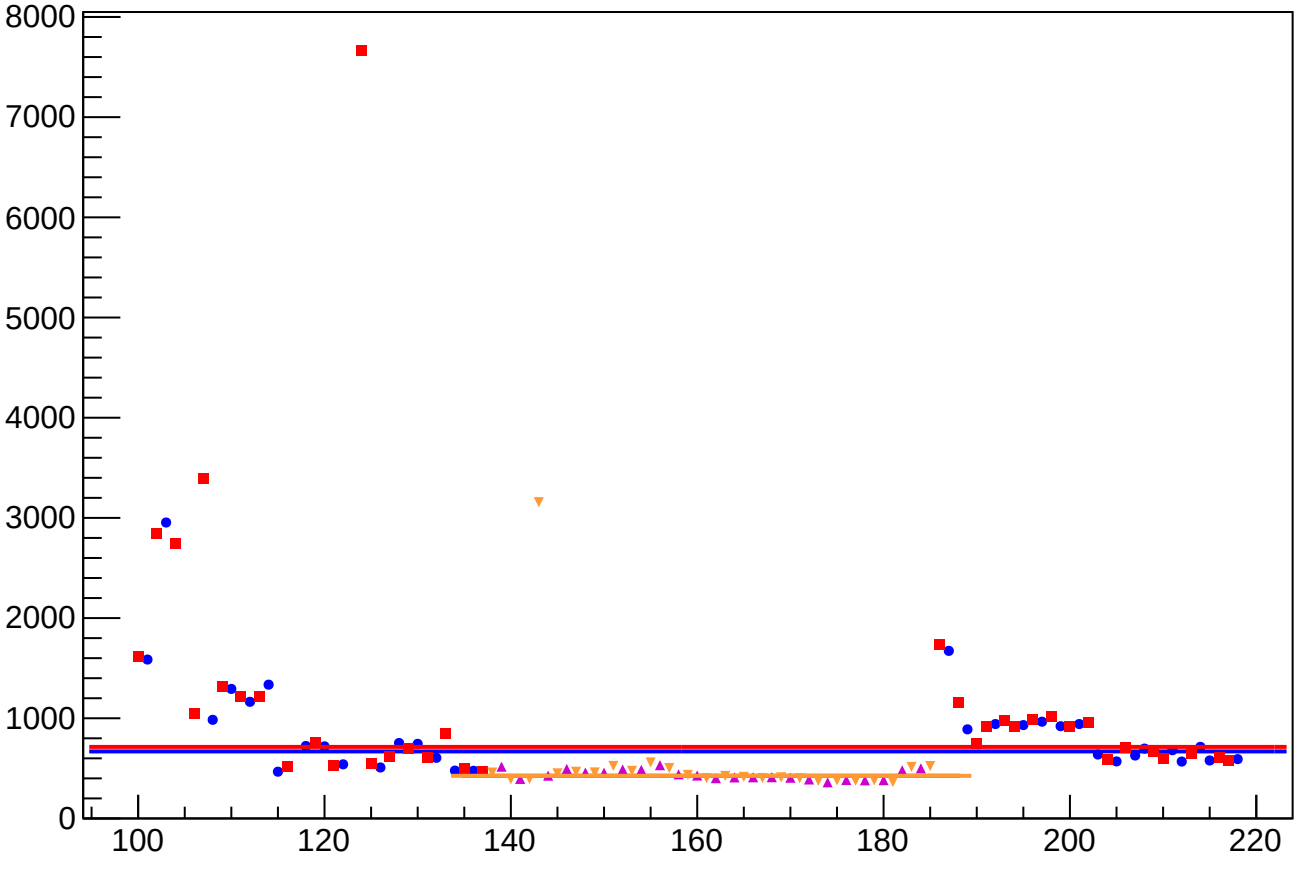
Right: -151.663+/-114.457 χ^2/NDF: 253.9/67

In: 200.596+/-84.415 χ^2/NDF:85.8/54

Out: -9.920+/-85.384 χ^2/NDF:271.7/60

All: 96.540+/-60.030 χ^2/NDF: 360.6/115

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 714.259+/-0.119 χ^2/NDF: 4658149.9/35

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

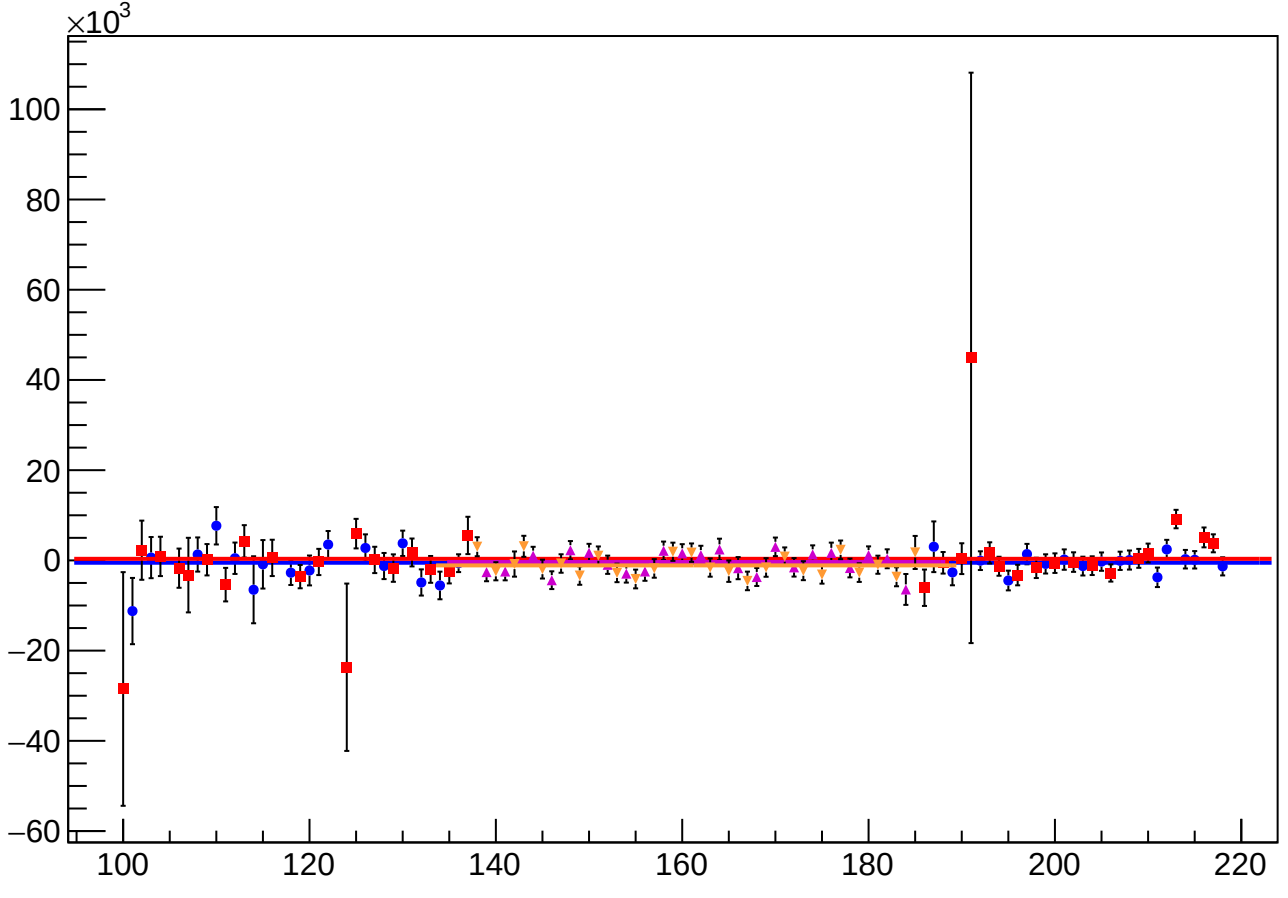
Right: 690.018+/-0.081 χ^2/NDF: 8142062.4/67

In: 496.846+/-0.060 χ^2/NDF:7237074.6/54

Out: 500.324+/-0.060 χ^2/NDF:10756091.0/60

All: 498.565+/-0.042 χ^2/NDF: 17994843.1/11

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: 349.330+/-463.609 χ^2/NDF: 53.7/35

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

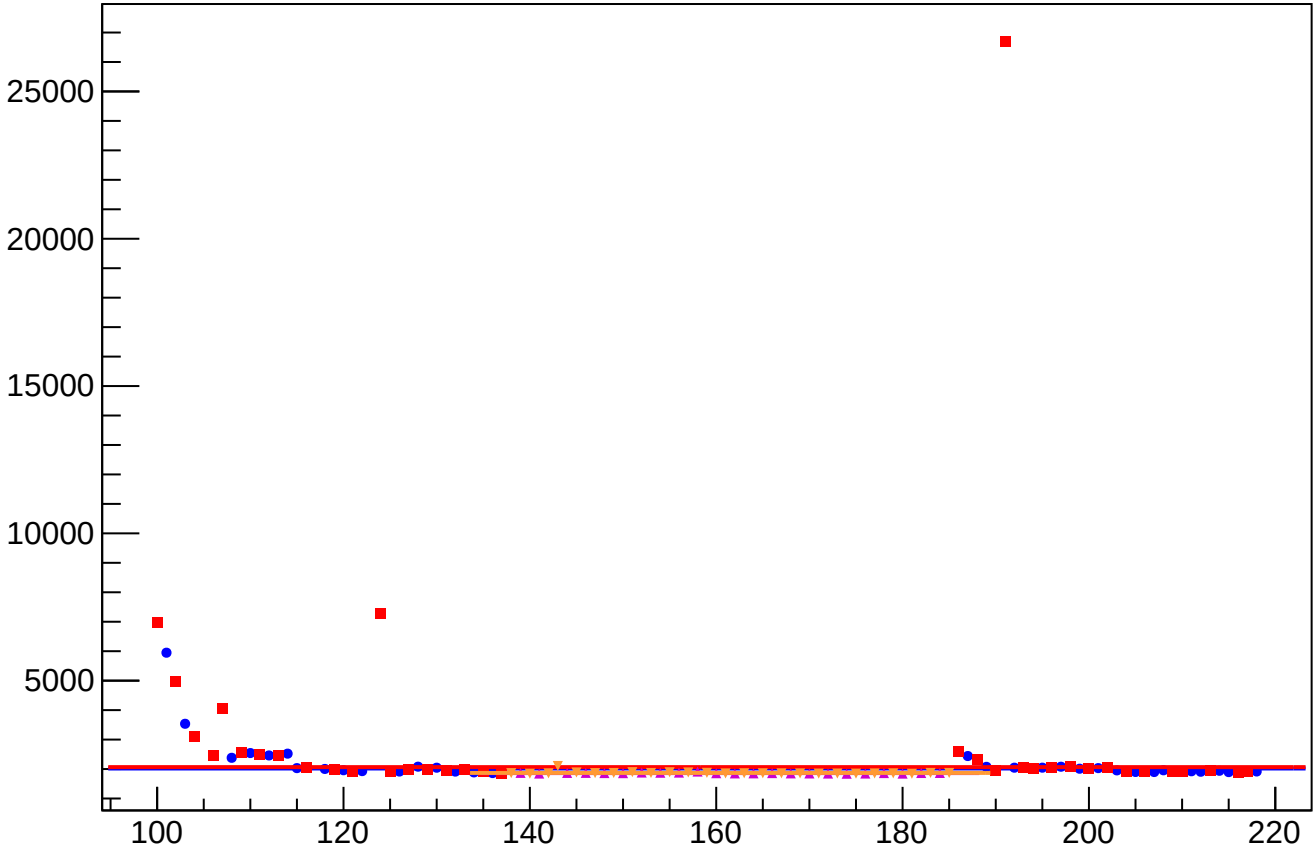
Right: -93.743+/-324.583 χ^2/NDF: 83.8/67

In: -429.521+/-314.266 χ^2/NDF:57.1/54

Out: -441.933+/-313.141 χ^2/NDF:87.1/60

All: -435.749+/-221.821 χ^2/NDF: 144.3/115

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: 2064.624+/-0.328 χ^2/NDF: 1430145.8/35

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

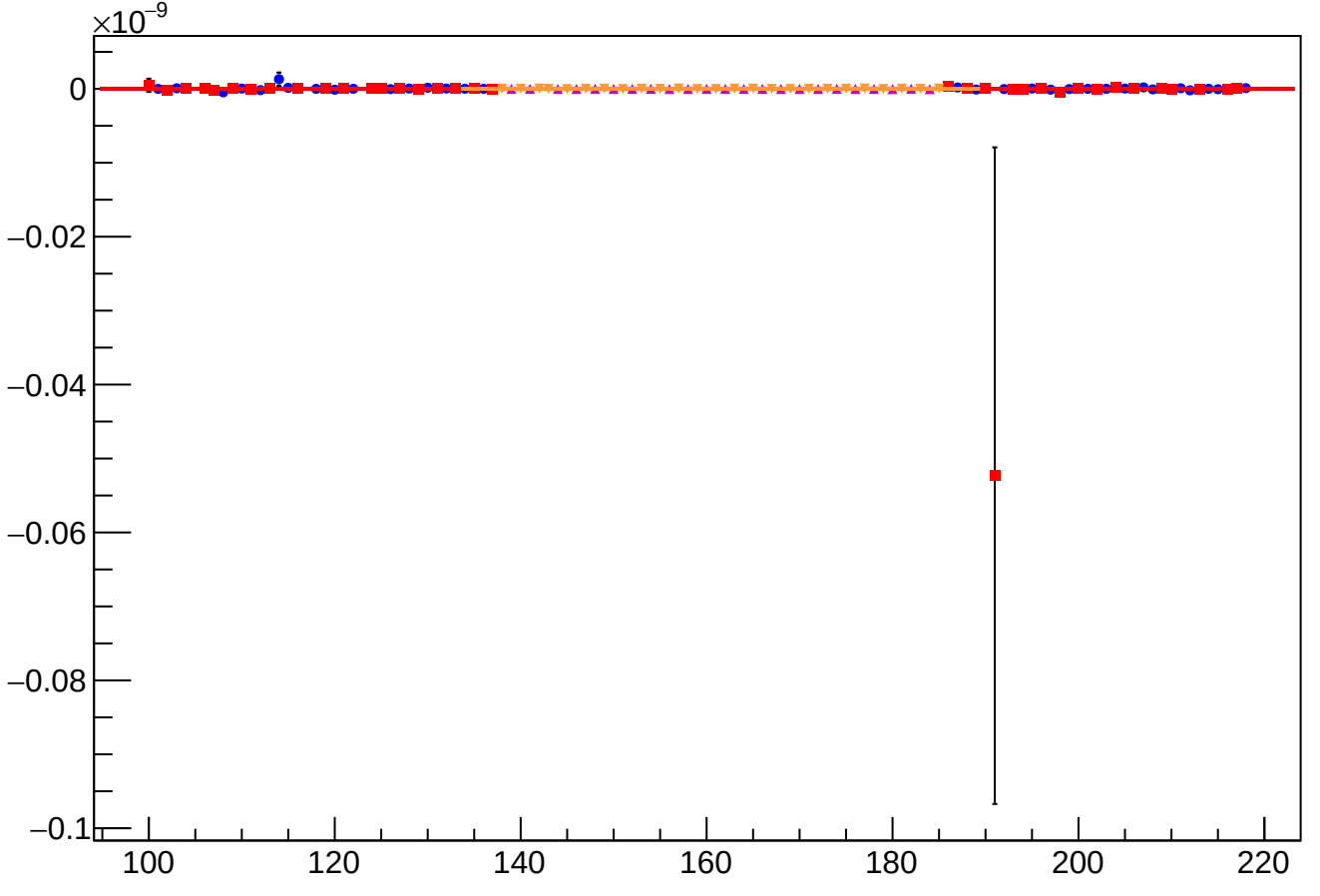
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2041.256+/-0.230 χ^2/NDF: 2407246.2/67

In: 1937.368+/-0.222 χ^2/NDF:1092750.2/54

Out: 1958.216+/-0.221 χ^2/NDF:1647217.4/60

All: 1947.829+/-0.157 χ^2/NDF: 2744384.3/11



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: 34.5/35

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

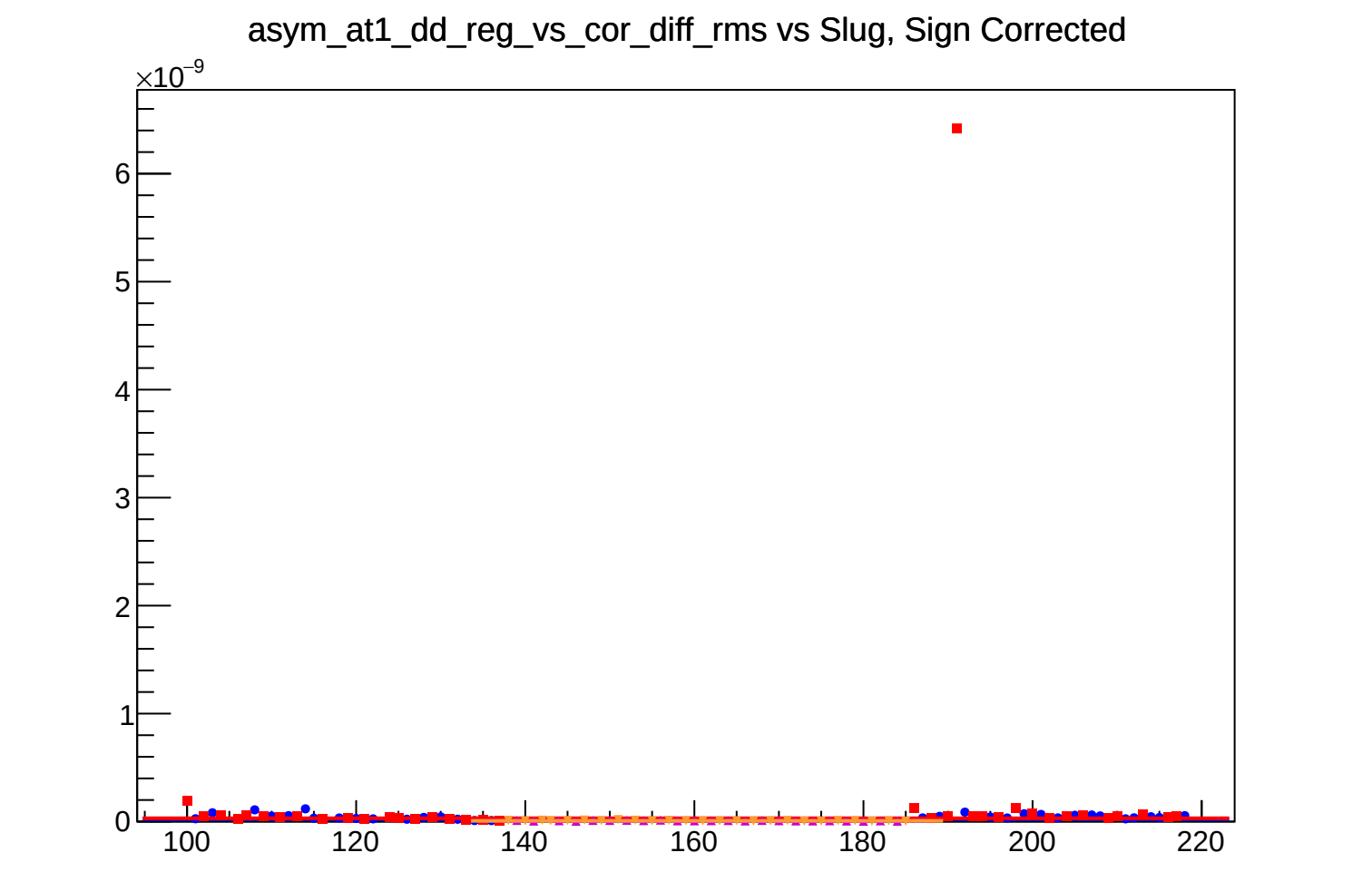
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

Right: 0.000+/-0.000 χ^2/NDF: 74.1/67

In: -0.000+/-0.000 χ^2/NDF:55.8/54

Out: 0.000+/-0.000 χ^2/NDF:78.1/60

All: -0.000+/-0.000 χ^2/NDF: 136.0/115



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: 3901815.4/35

Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

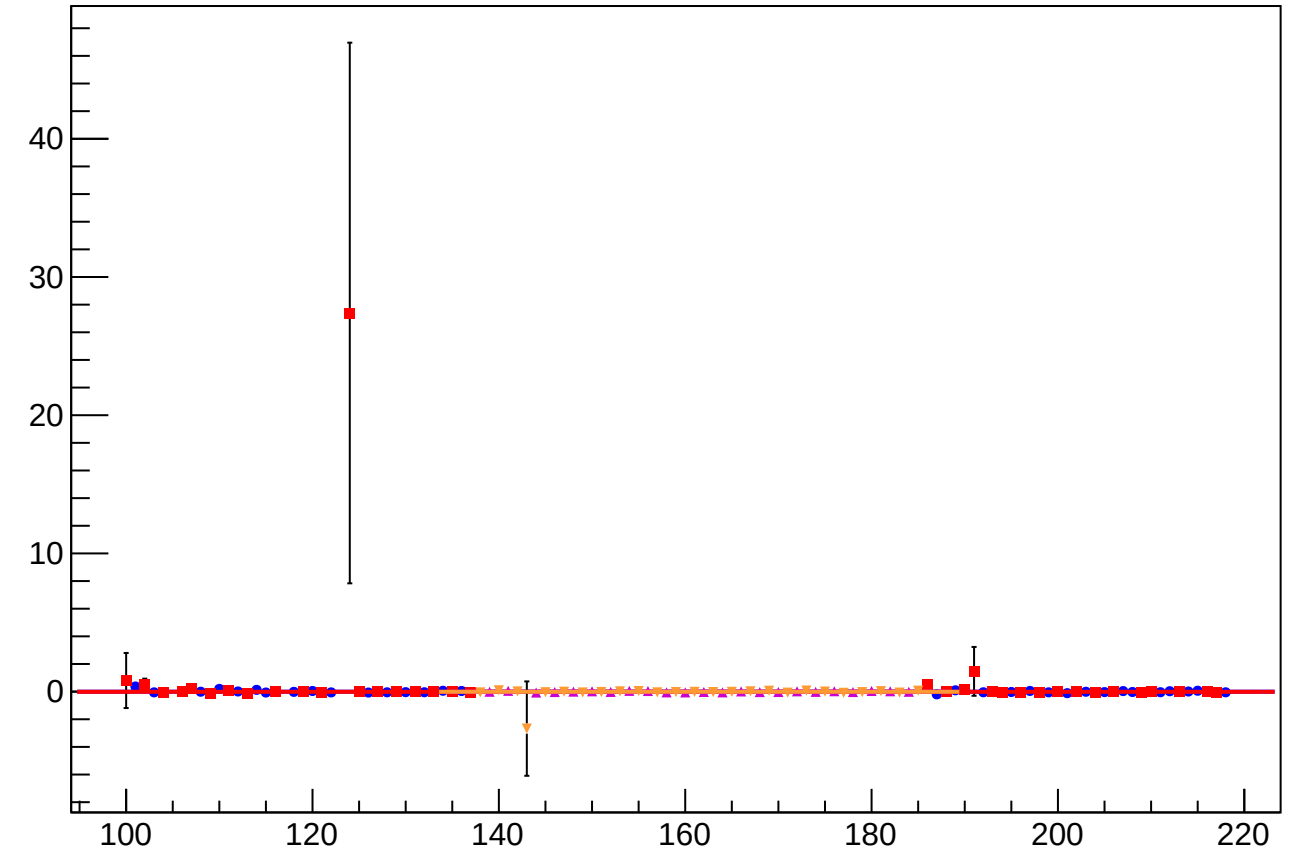
Left: 0.000+/-0.000 χ^2/NDF: 3321189.0/47

Right: 0.000+/-0.000 χ^2/NDF: 10116764.1/67

In: 0.000+/-0.000 χ^2/NDF:11462928.8/54

Out: 0.000+/-0.000 χ^2/NDF:12377498.0/60

All: 0.000+/-0.000 χ^2/NDF: 23841675.0/115



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: -0.012+/-0.011 χ^2/NDF: 30.0/35

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

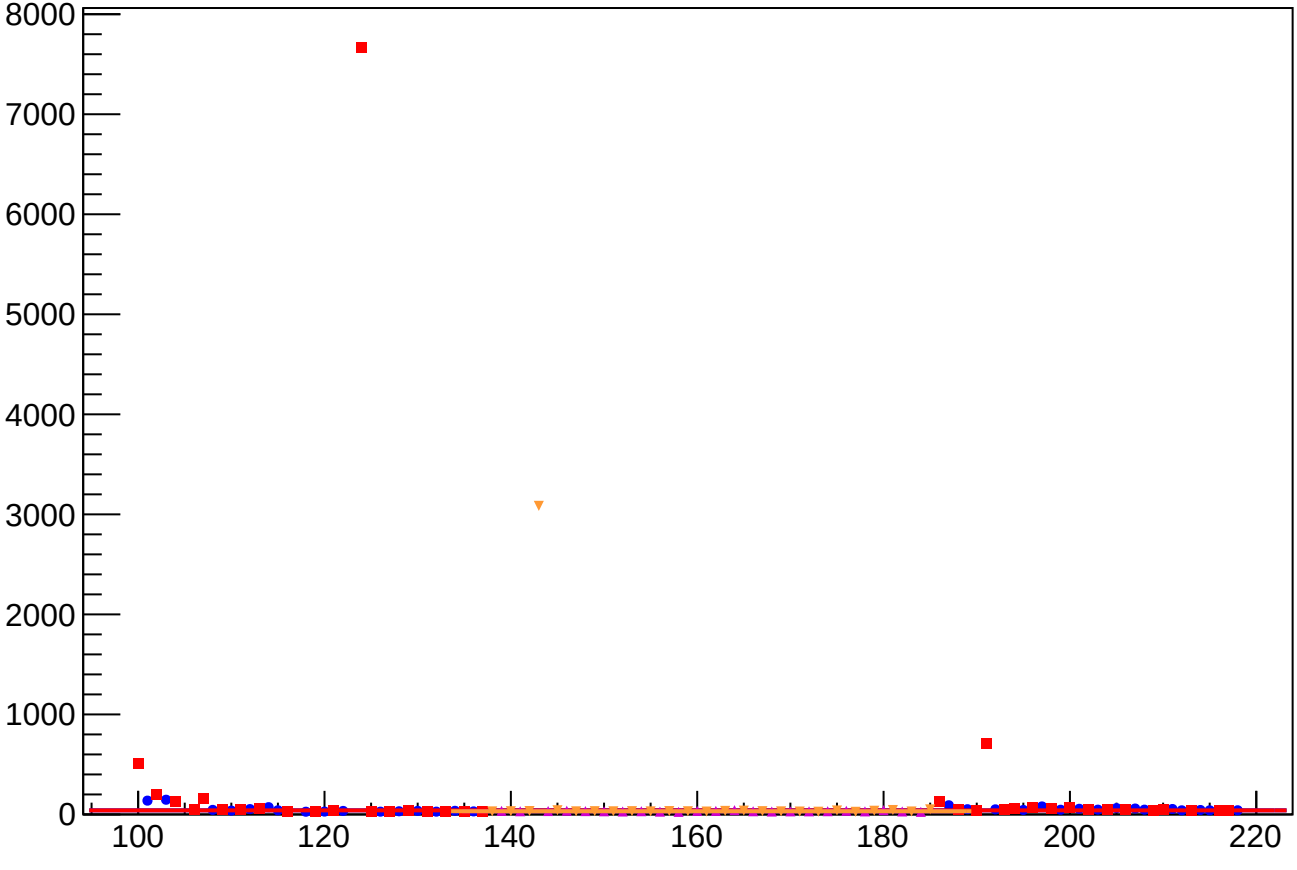
Right: -0.008+/-0.007 χ^2/NDF: 62.9/67

In: -0.004+/-0.006 χ^2/NDF:53.5/54

Out: -0.011+/-0.006 χ^2/NDF:69.6/60

All: -0.007+/-0.005 χ^2/NDF: 123.6/115

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: 40.884+/-0.007 χ^2/NDF: 4359079.5/35

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

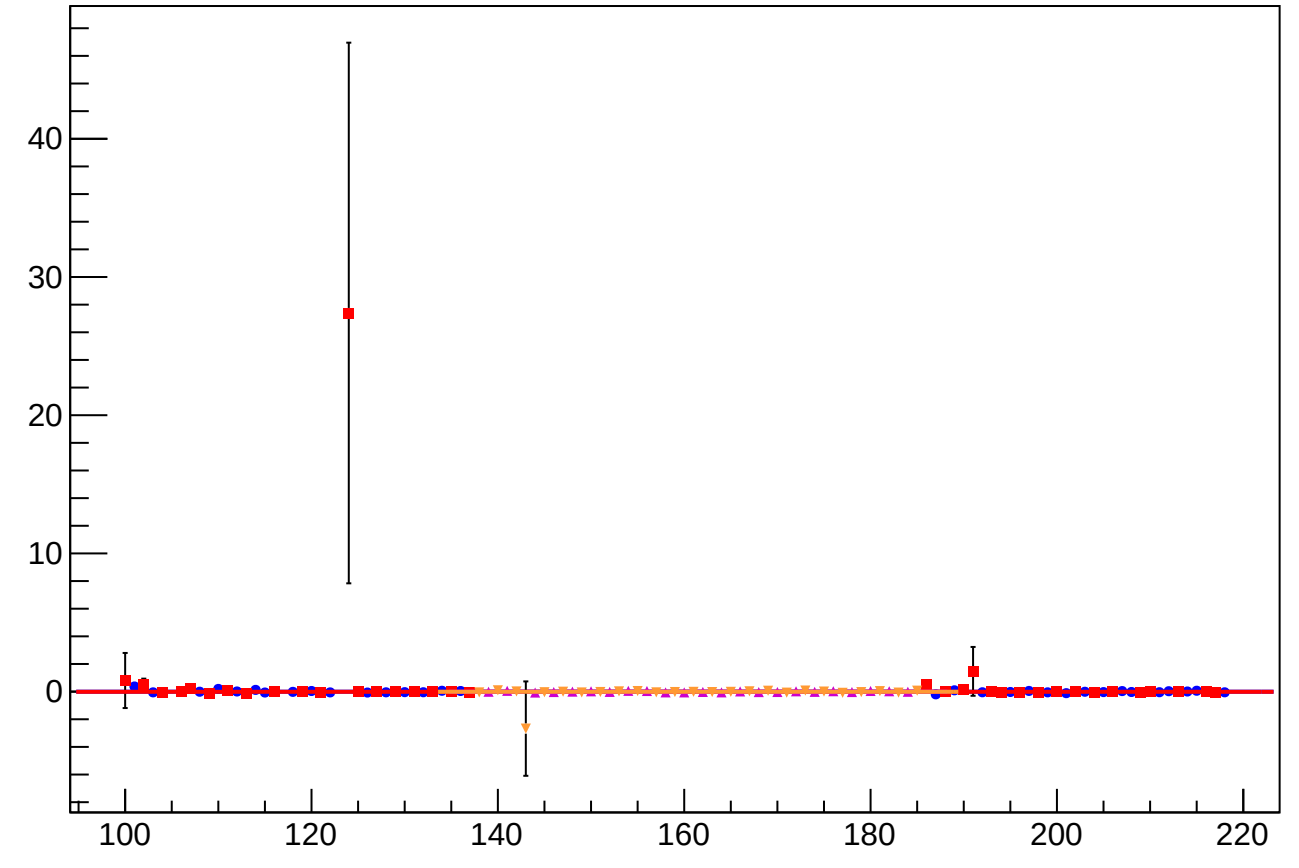
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 41.132+/-0.005 χ^2/NDF: 7725318.4/67

In: 35.872+/-0.005 χ^2/NDF:4689700.9/54

Out: 35.533+/-0.005 χ^2/NDF:7307019.3/60

All: 35.702+/-0.003 χ^2/NDF: 11999444.2/115



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: -0.012+/-0.011 χ^2/NDF: 30.0/35

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

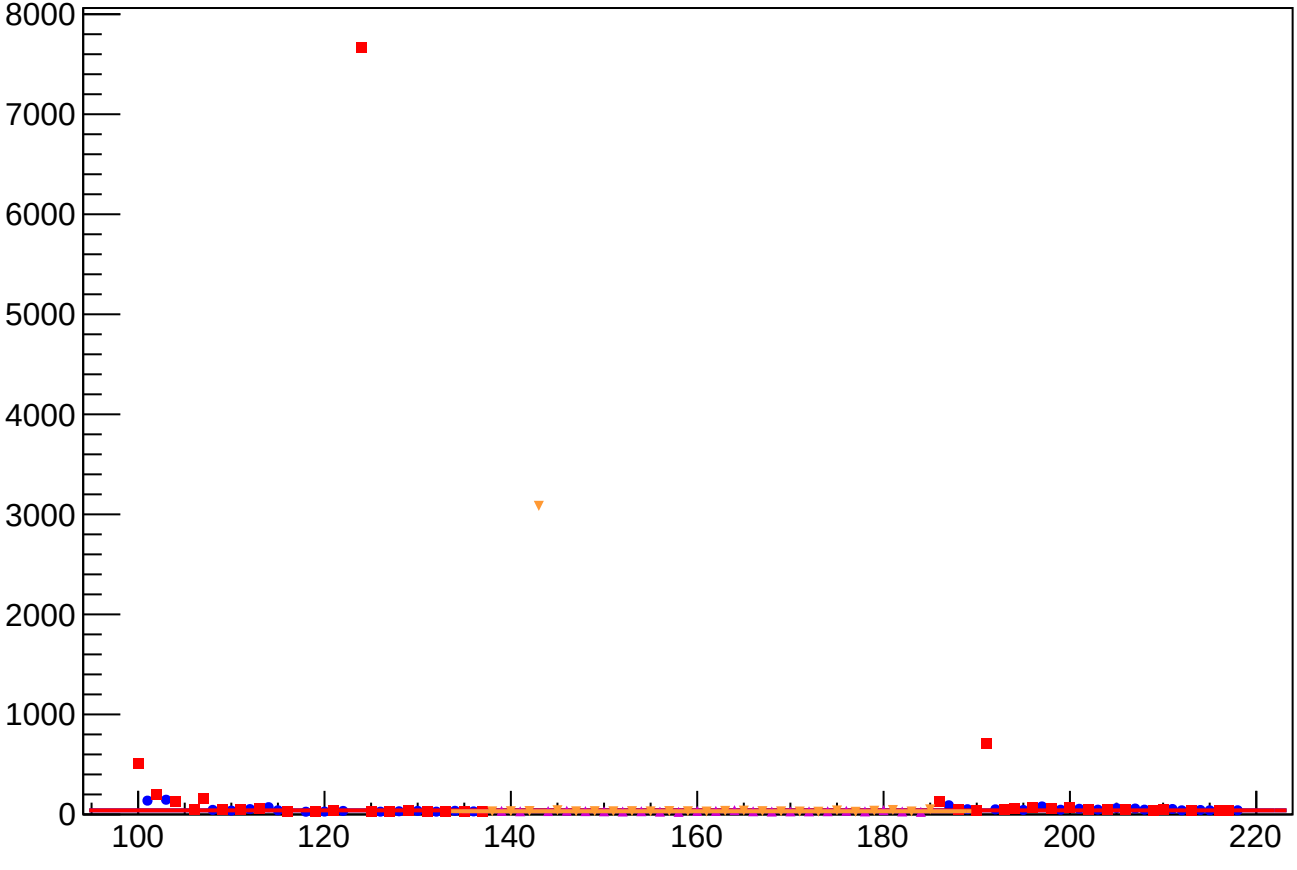
Right: -0.008+/-0.007 χ^2/NDF: 62.9/67

In: -0.004+/-0.006 χ^2/NDF:53.5/54

Out: -0.011+/-0.006 χ^2/NDF:69.6/60

All: -0.007+/-0.005 χ^2/NDF: 123.6/115

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: 40.884+/-0.007 χ^2/NDF: 4359079.5/35

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

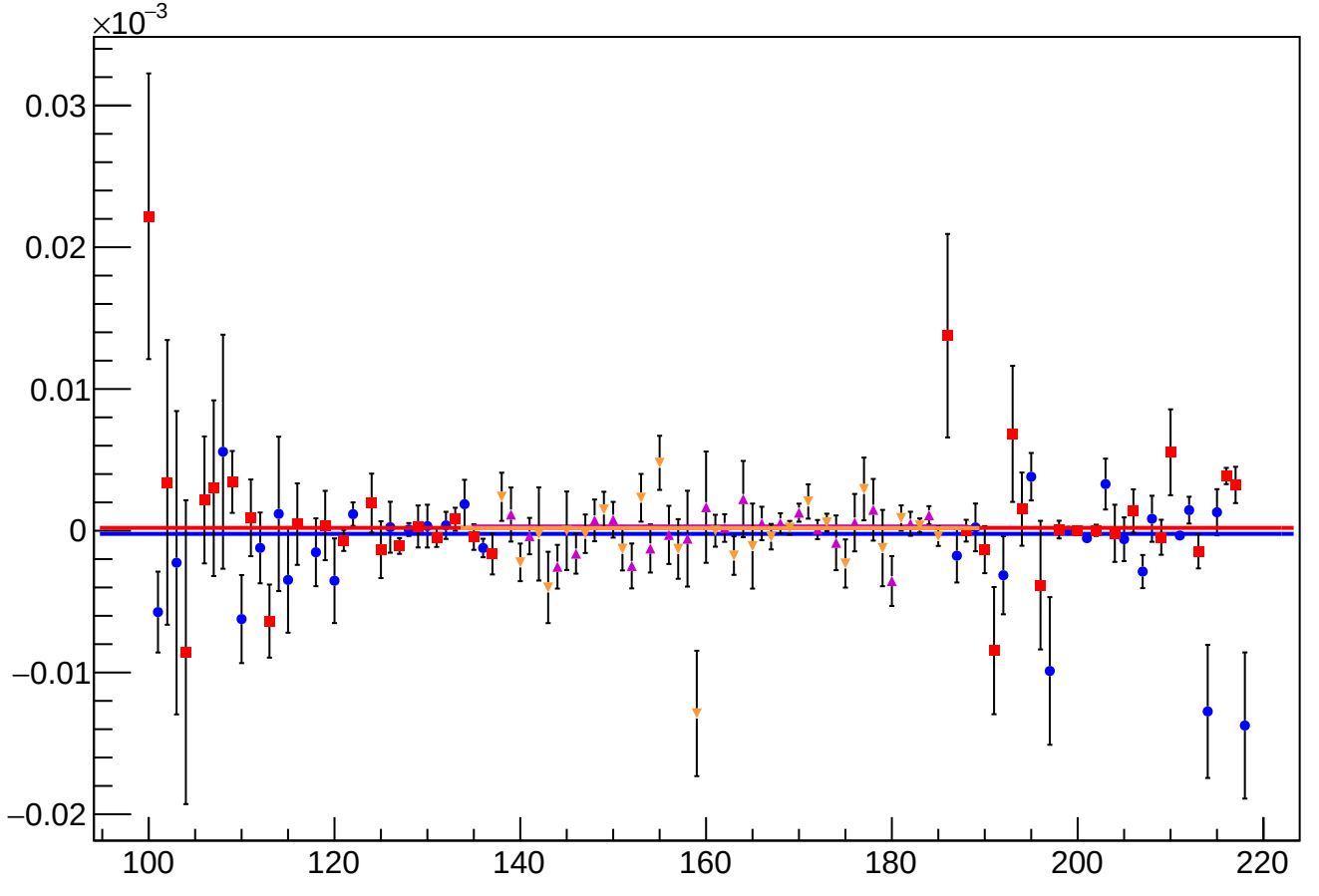
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 41.132+/-0.005 χ^2/NDF: 7725318.4/67

In: 35.872+/-0.005 χ^2/NDF:4689700.9/54

Out: 35.533+/-0.005 χ^2/NDF:7307019.3/60

All: 35.702+/-0.003 χ^2/NDF: 11999444.2/115



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: 90.5/35

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

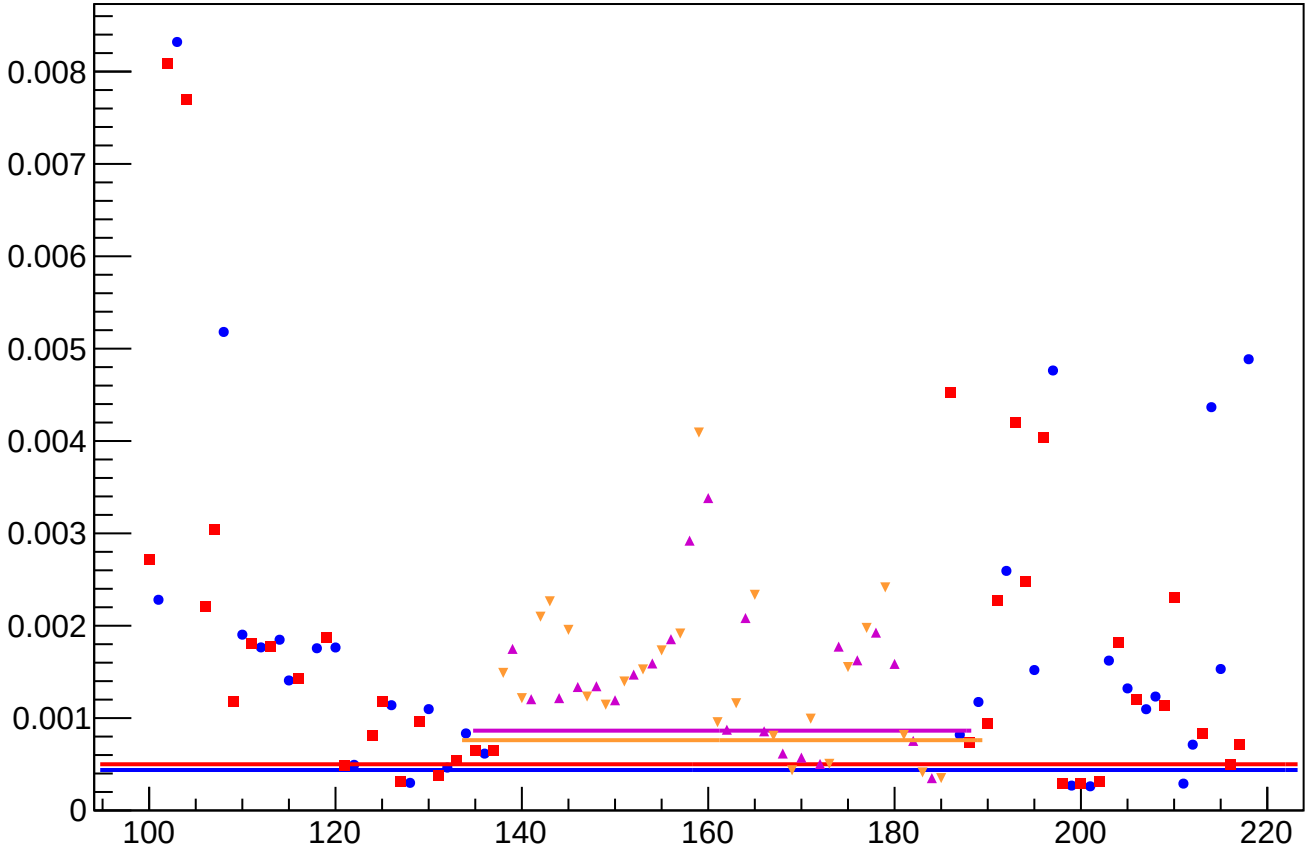
Right: -0.000+/-0.000 χ^2/NDF: 153.2/67

In: -0.000+/-0.000 χ^2/NDF:82.4/54

Out: 0.000+/-0.000 χ^2/NDF:128.1/60

All: 0.000+/-0.000 χ^2/NDF: 213.0/115

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18334069.0/31

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 14798690.9/35

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

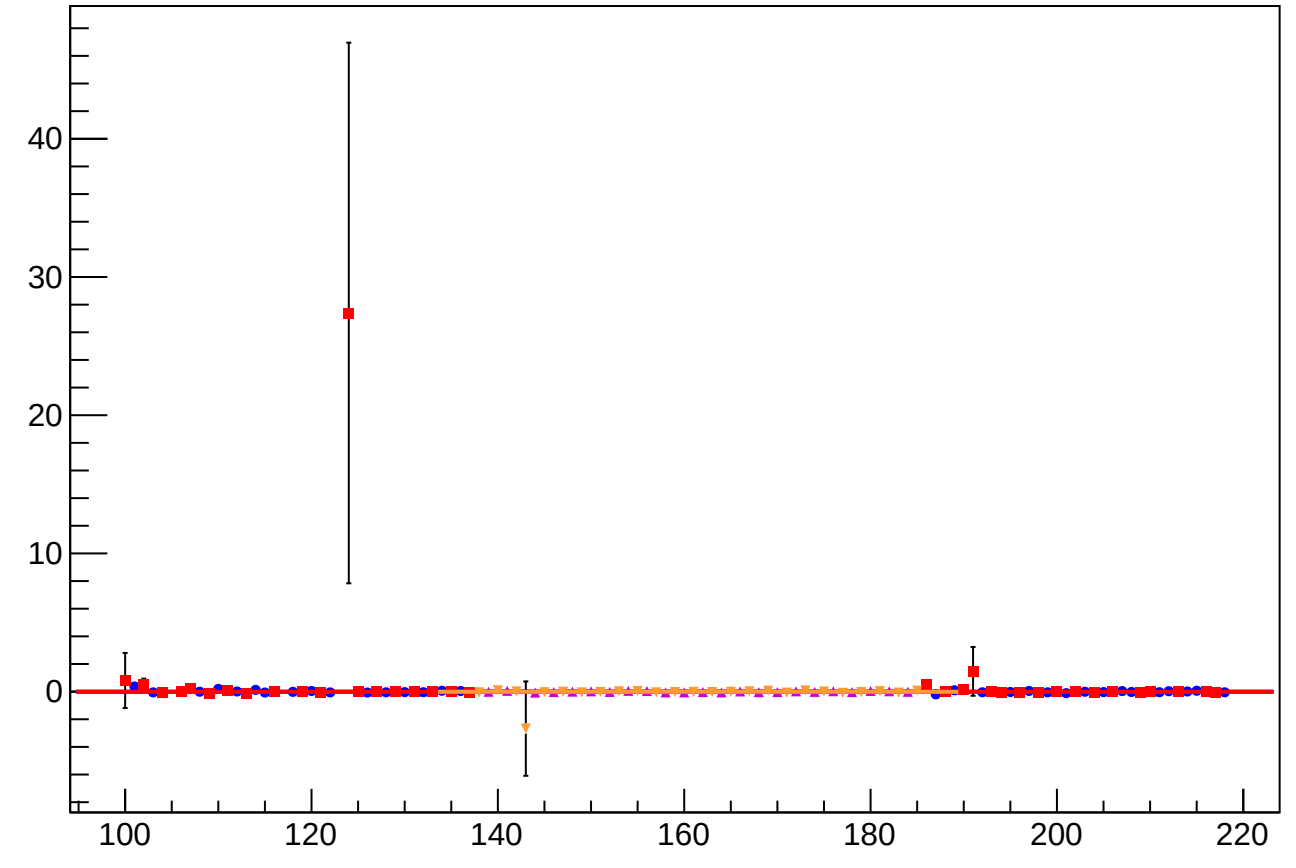
Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

Right: 0.000+/-0.000 χ^2/NDF: 33303613.1/67

In: 0.001+/-0.000 χ^2/NDF:31455001.8/54

Out: 0.001+/-0.000 χ^2/NDF:27822143.2/60

All: 0.001+/-0.000 χ^2/NDF: 59403608.1/115



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: -0.012+/-0.011 χ^2/NDF: 30.0/35

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

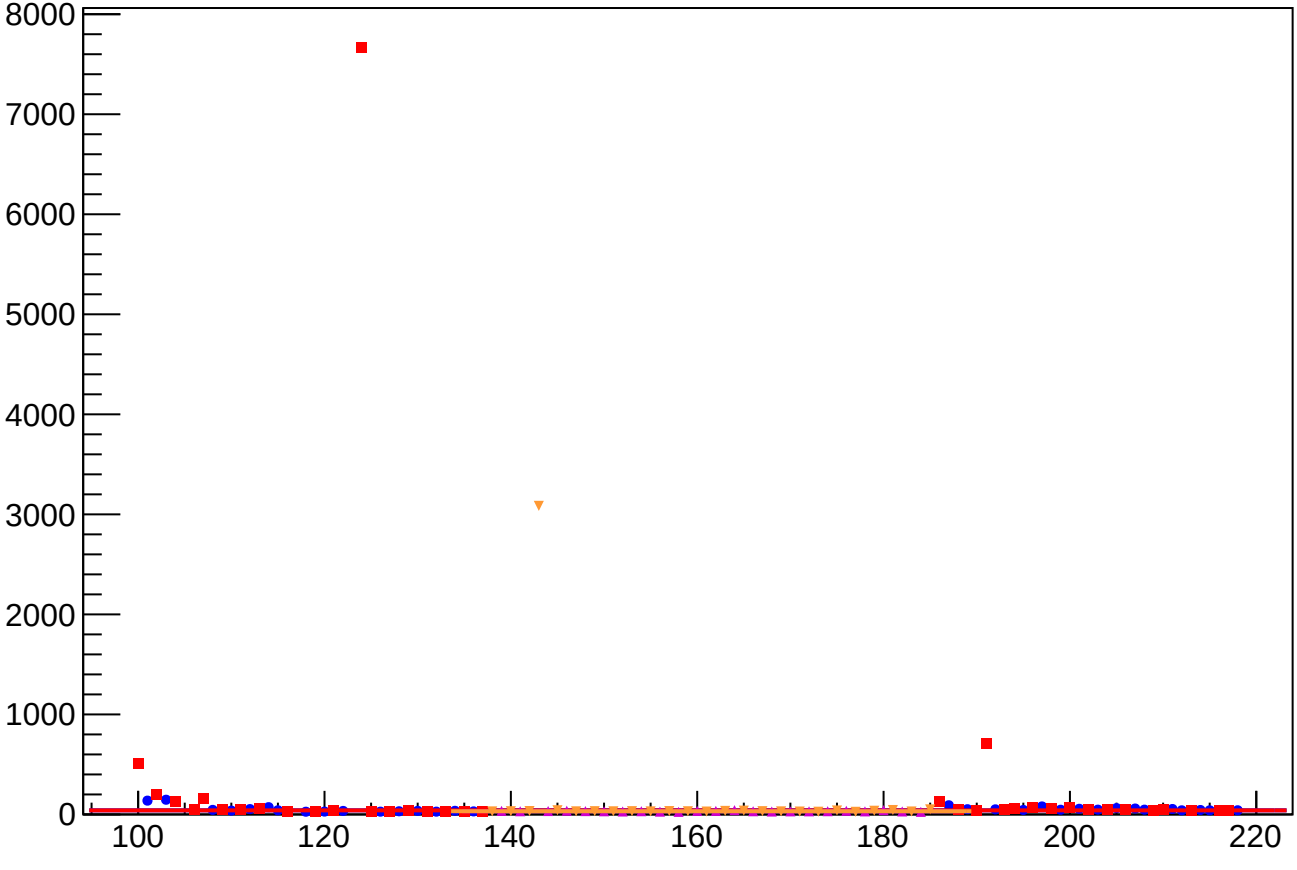
Right: -0.008+/-0.007 χ^2/NDF: 62.9/67

In: -0.004+/-0.006 χ^2/NDF:53.5/54

Out: -0.011+/-0.006 χ^2/NDF:69.6/60

All: -0.007+/-0.005 χ^2/NDF: 123.6/115

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: 40.884+/-0.007 χ^2/NDF: 4359094.4/35

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

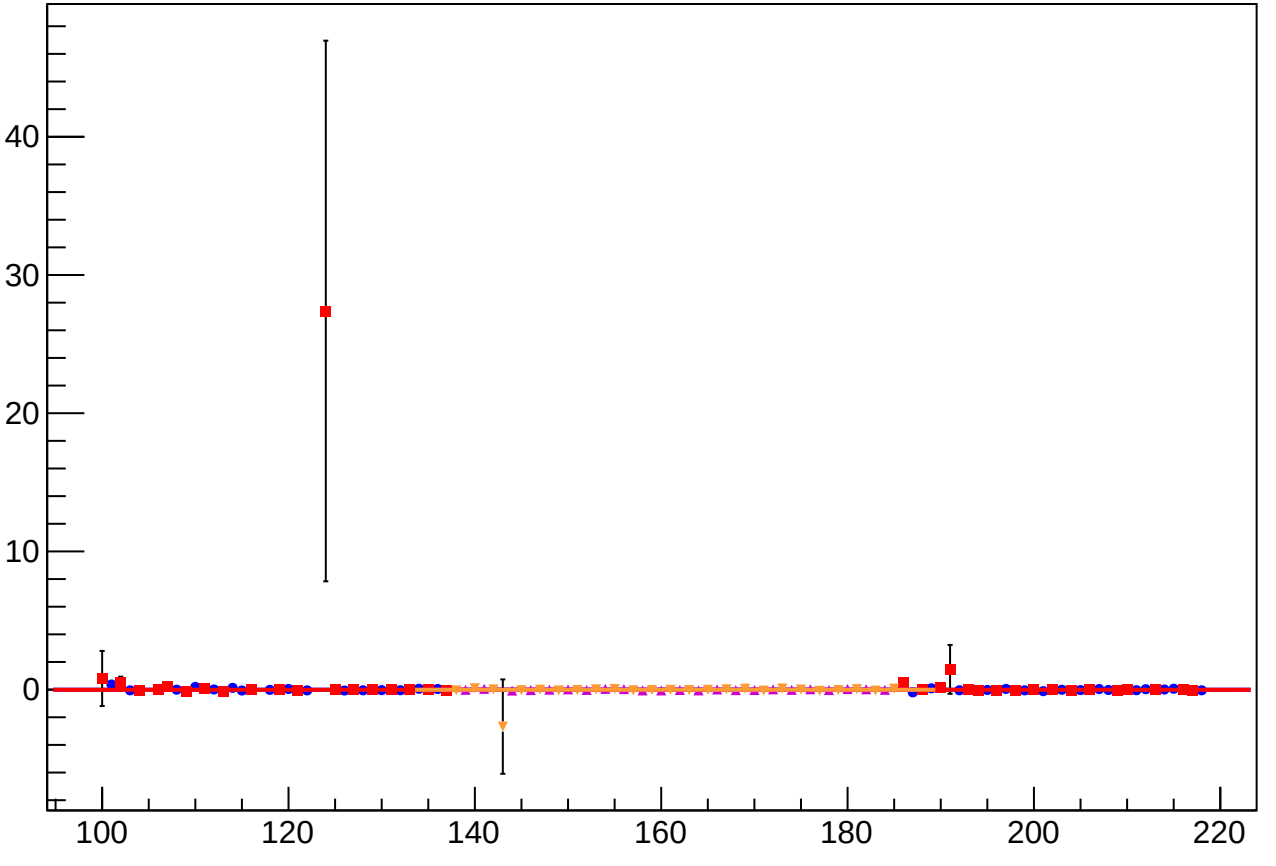
Right: 41.132+/-0.005 χ^2/NDF: 7725326.8/67

In: 35.872+/-0.005 χ^2/NDF:4689563.1/54

Out: 35.533+/-0.005 χ^2/NDF:7307094.1/60

All: 35.702+/-0.003 χ^2/NDF: 11999384.7/115

asym_at1_dd_eigen_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: -0.012+/-0.011 χ^2/NDF: 30.0/35

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

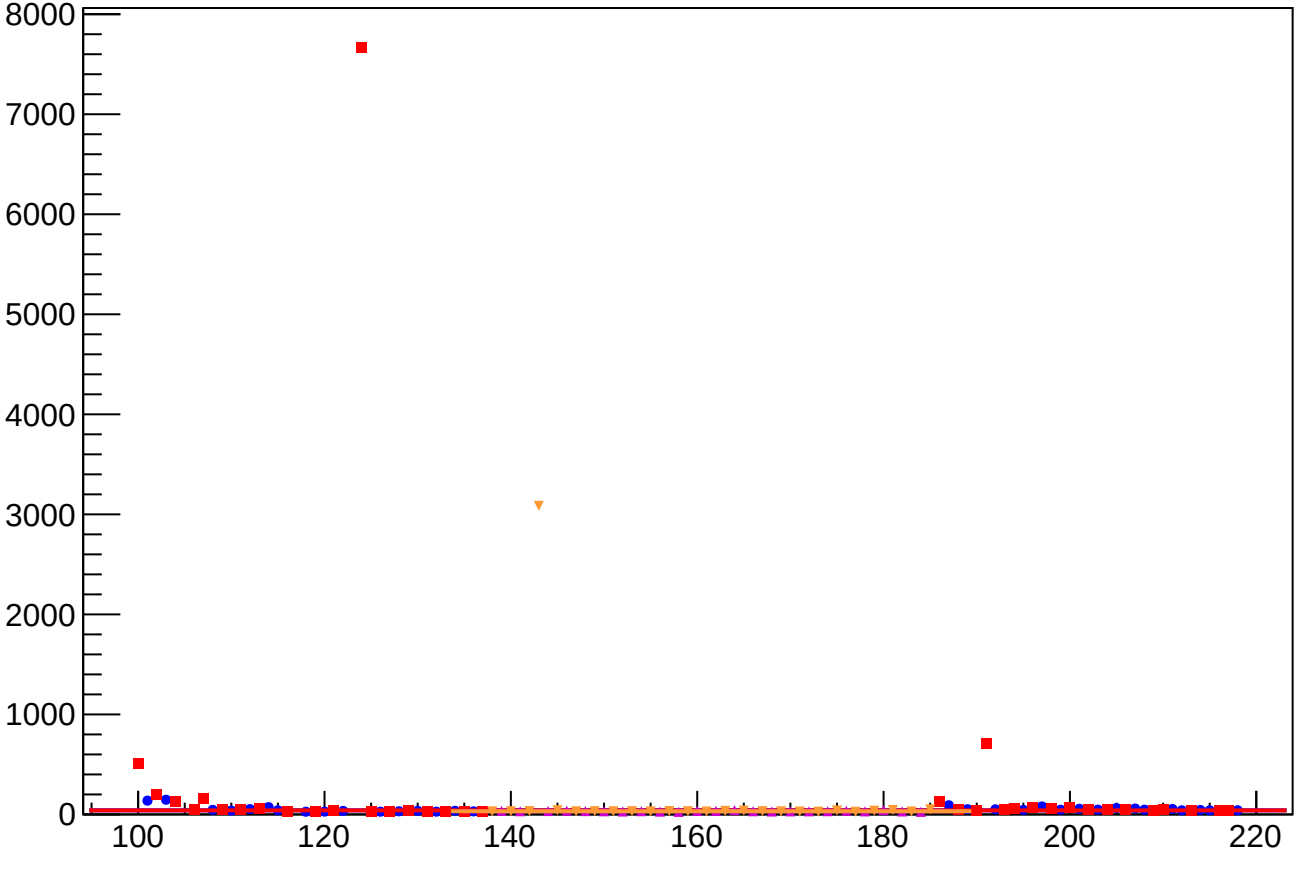
Right: -0.008+/-0.007 χ^2/NDF: 62.9/67

In: -0.004+/-0.006 χ^2/NDF:53.5/54

Out: -0.011+/-0.006 χ^2/NDF:69.6/60

All: -0.007+/-0.005 χ^2/NDF: 123.6/115

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: 40.884+/-0.007 χ^2/NDF: 4359094.4/35

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

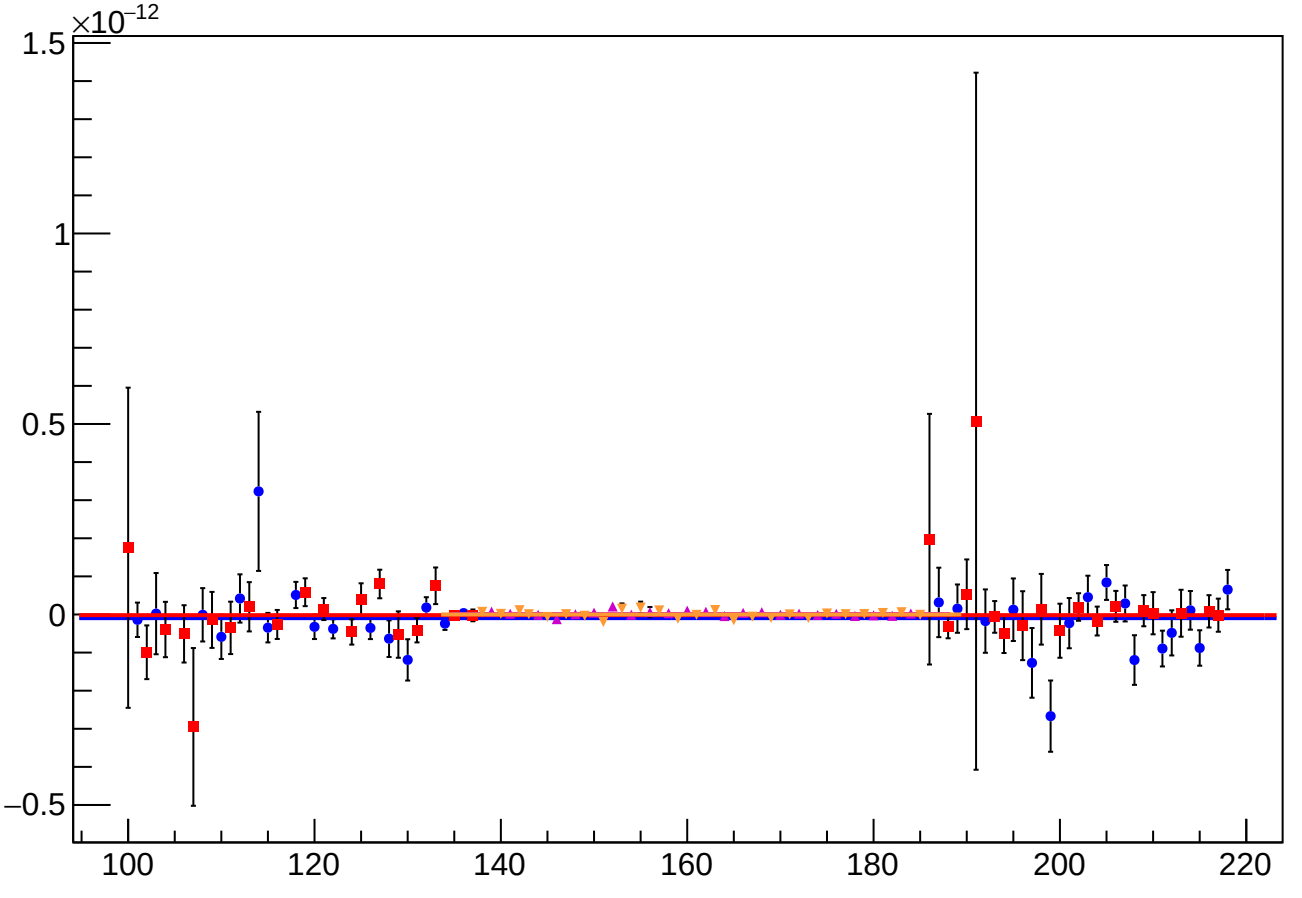
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 41.132+/-0.005 χ^2/NDF: 7725326.8/67

In: 35.872+/-0.005 χ^2/NDF:4689563.1/54

Out: 35.533+/-0.005 χ^2/NDF:7307094.1/60

All: 35.702+/-0.003 χ^2/NDF: 11999384.7/115



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: 25.4/35

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

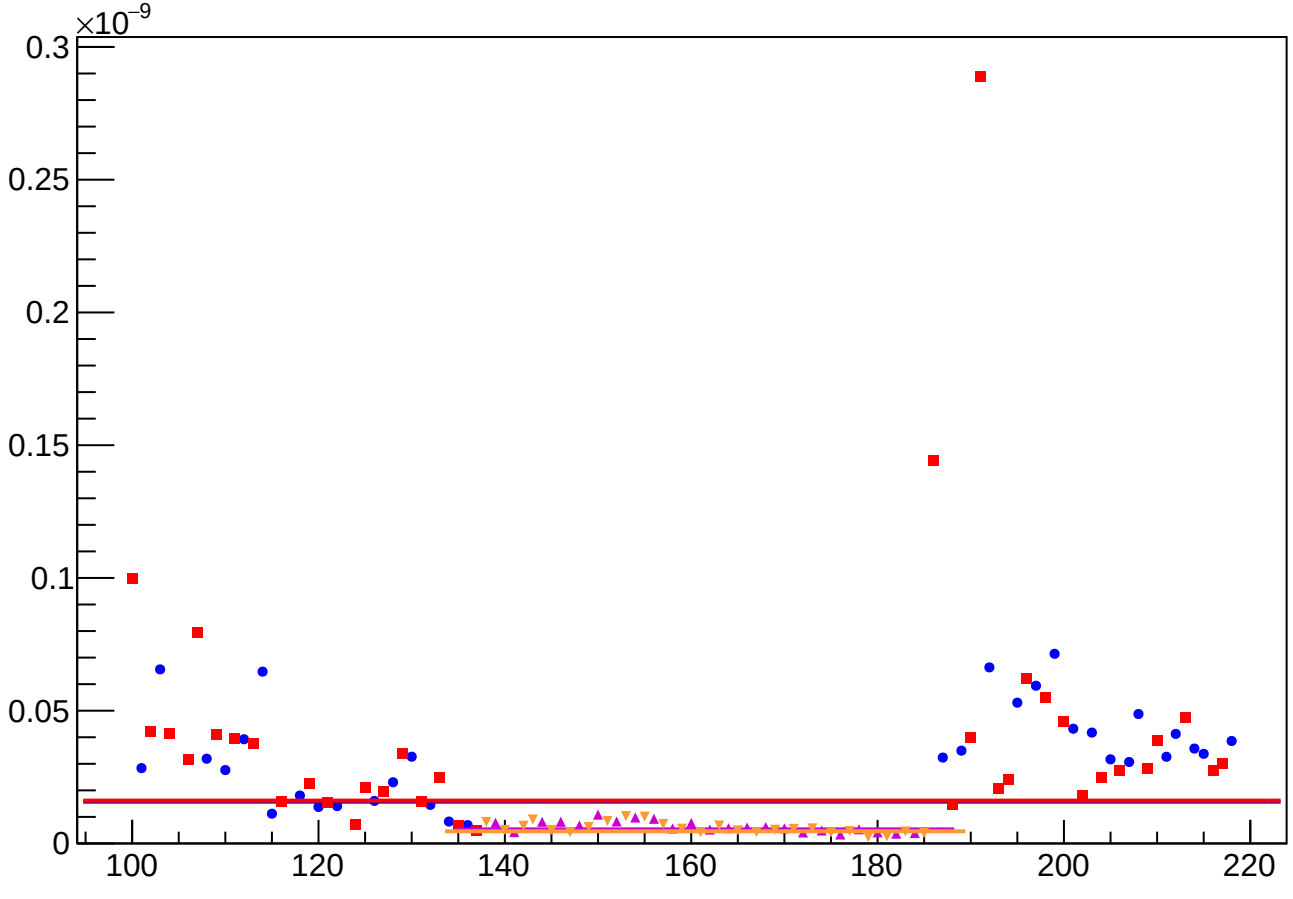
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 72.2/67

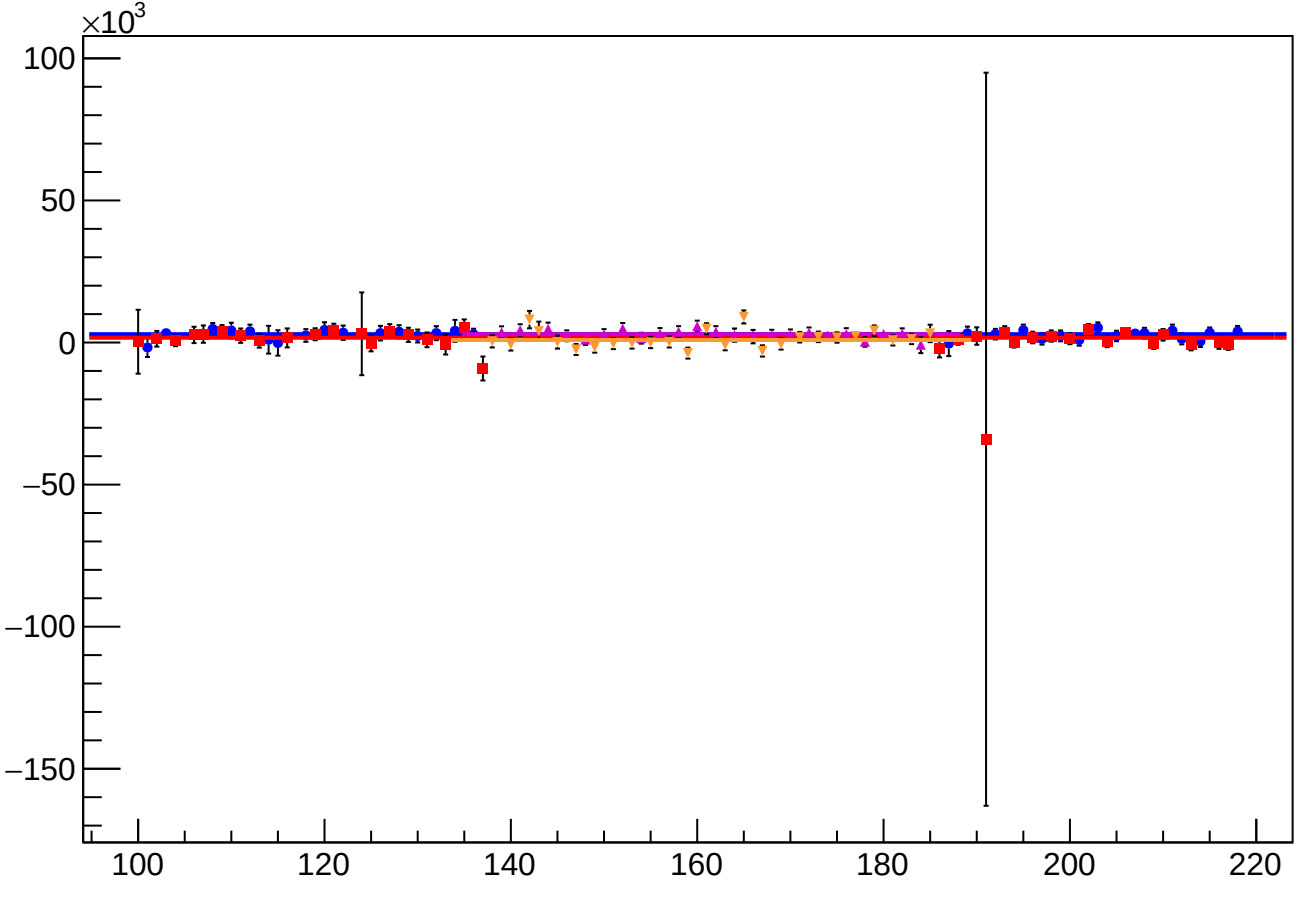
In: 0.000+/-0.000 χ^2/NDF:58.3/54

Out: -0.000+/-0.000 χ^2/NDF:46.5/60

All: 0.000+/-0.000 χ^2/NDF: 104.8/115


asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9687008.7/31
Left Out: 0.000+/-0.000 χ²/NDF:2796753.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 7912057.5/35
Left In: 0.000+/-0.000 χ²/NDF:2230717.6/22
Left: 0.000+/-0.000 χ²/NDF: 5240558.3/47
Right: 0.000+/-0.000 χ²/NDF: 17603364.2/67
In: 0.000+/-0.000 χ²/NDF:17789731.6/54
Out: 0.000+/-0.000 χ²/NDF:17297806.4/60
All: 0.000+/-0.000 χ²/NDF: 35418419.7/115

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: 1687.142+/-392.164 χ^2/NDF: 27.3/35

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

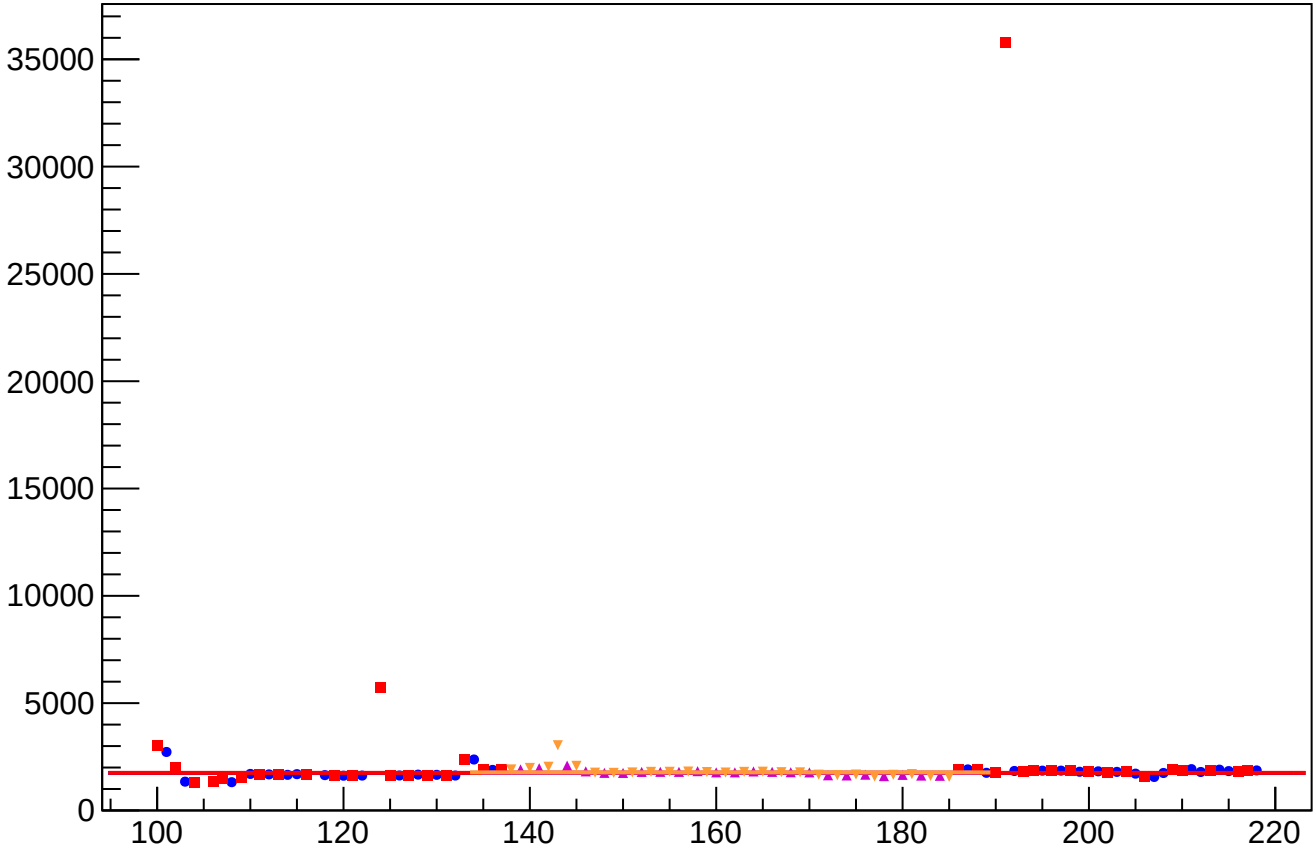
Right: 2313.665+/-277.000 χ^2/NDF: 44.0/67

In: 2940.224+/-283.753 χ^2/NDF:22.2/54

Out: 1306.245+/-281.912 χ^2/NDF:74.5/60

All: 2117.917+/-199.990 χ^2/NDF: 113.4/115

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: 1750.784+/-0.277 χ^2/NDF: 735597.8/35

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

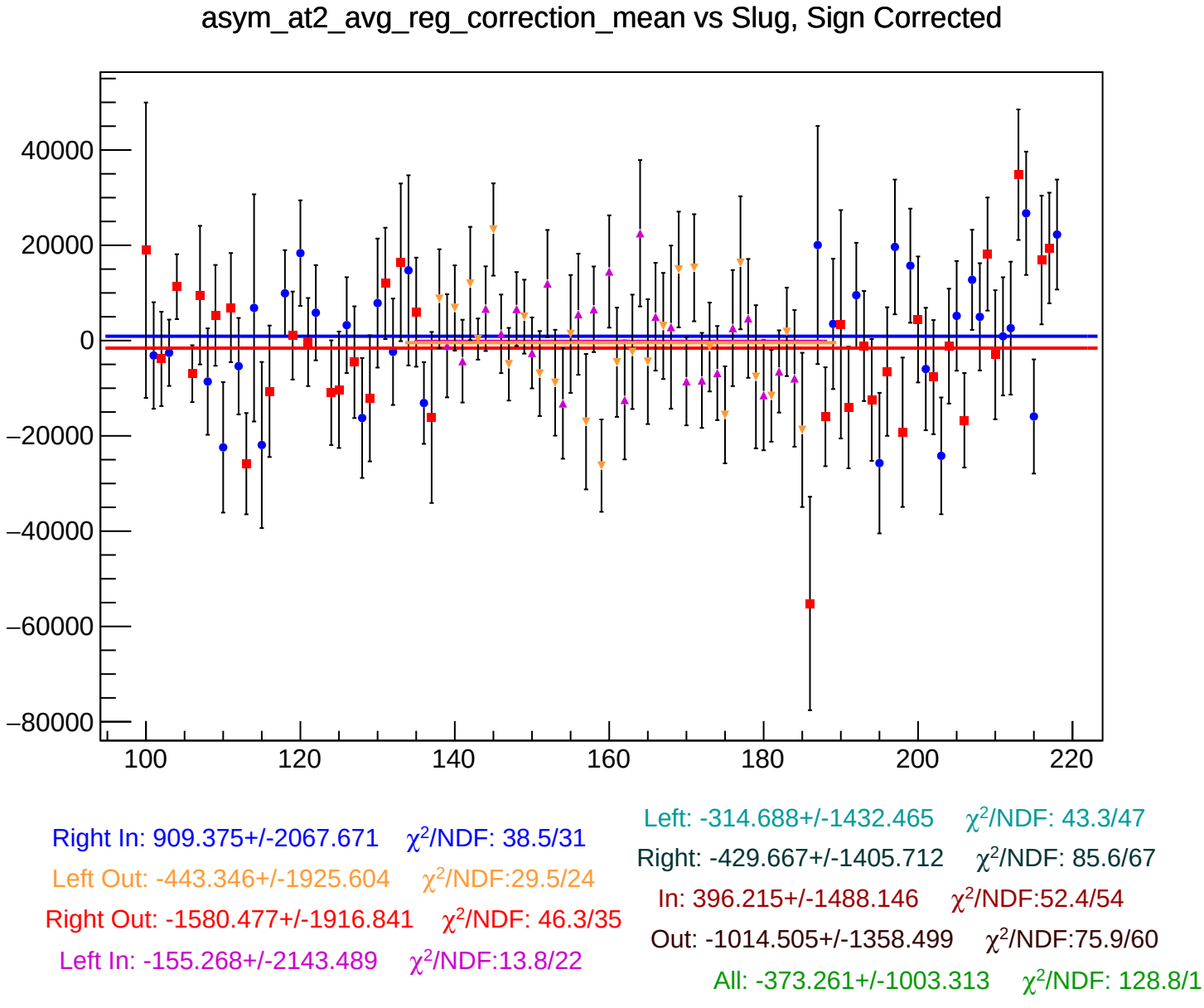
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

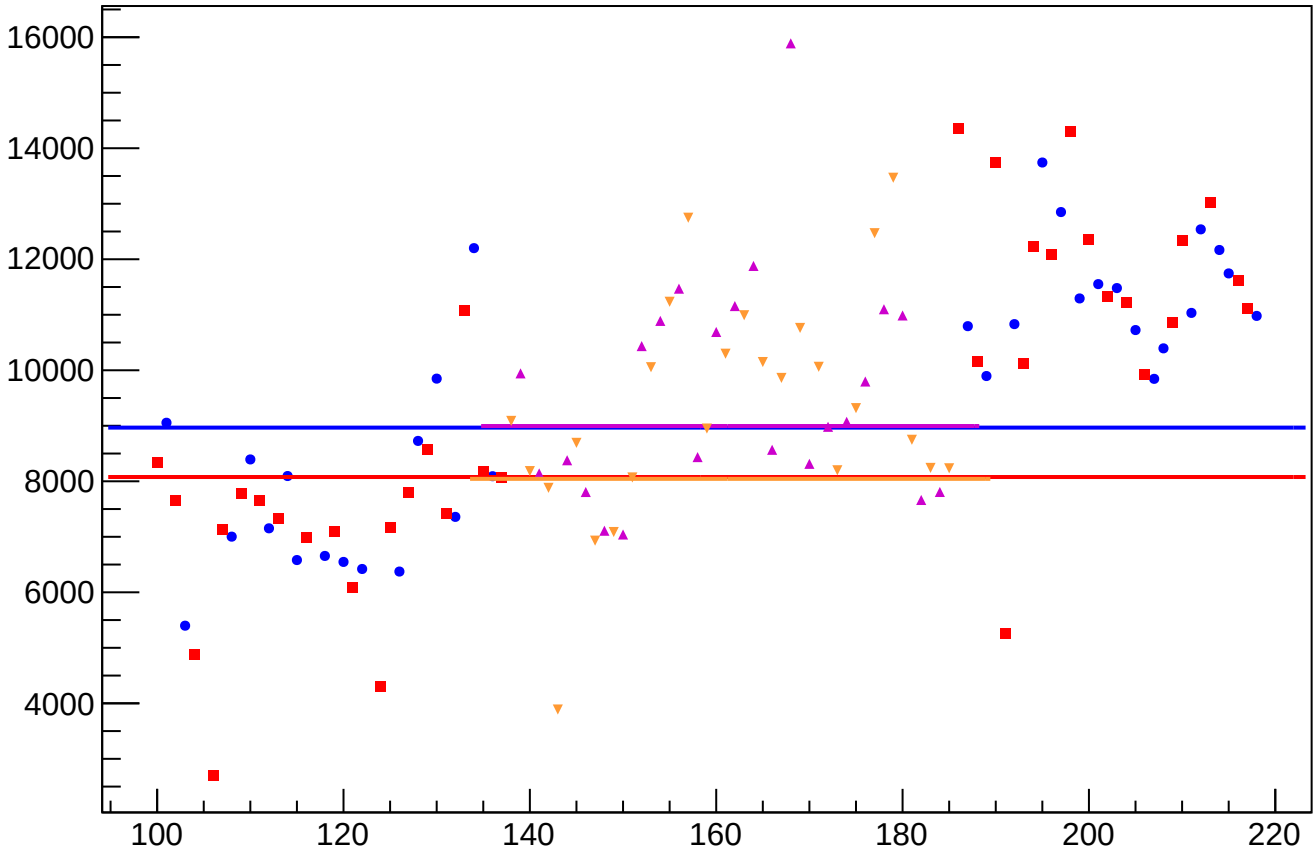
Right: 1748.234+/-0.196 χ^2/NDF: 1276193.6/67

In: 1752.995+/-0.201 χ^2/NDF:688161.1/54

Out: 1762.356+/-0.199 χ^2/NDF:1186097.3/60

All: 1757.706+/-0.141 χ^2/NDF: 1875353.8/11


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: -1580.477+/-1916.841 χ²/NDF: 46.3/35
Left In: -155.268+/-2143.489 χ²/NDF:13.8/22
Left: -314.688+/-1432.465 χ²/NDF: 43.3/47
Right: -429.667+/-1405.712 χ²/NDF: 85.6/67
In: 396.215+/-1488.146 χ²/NDF:52.4/54
Out: -1014.505+/-1358.499 χ²/NDF:75.9/60
All: -373.261+/-1003.313 χ²/NDF: 128.8/115



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: 8076.971+/-1.355 χ^2/NDF: 5153806.0/35

Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

Left: 8468.911+/-1.013 χ^2/NDF: 4788197.5/47

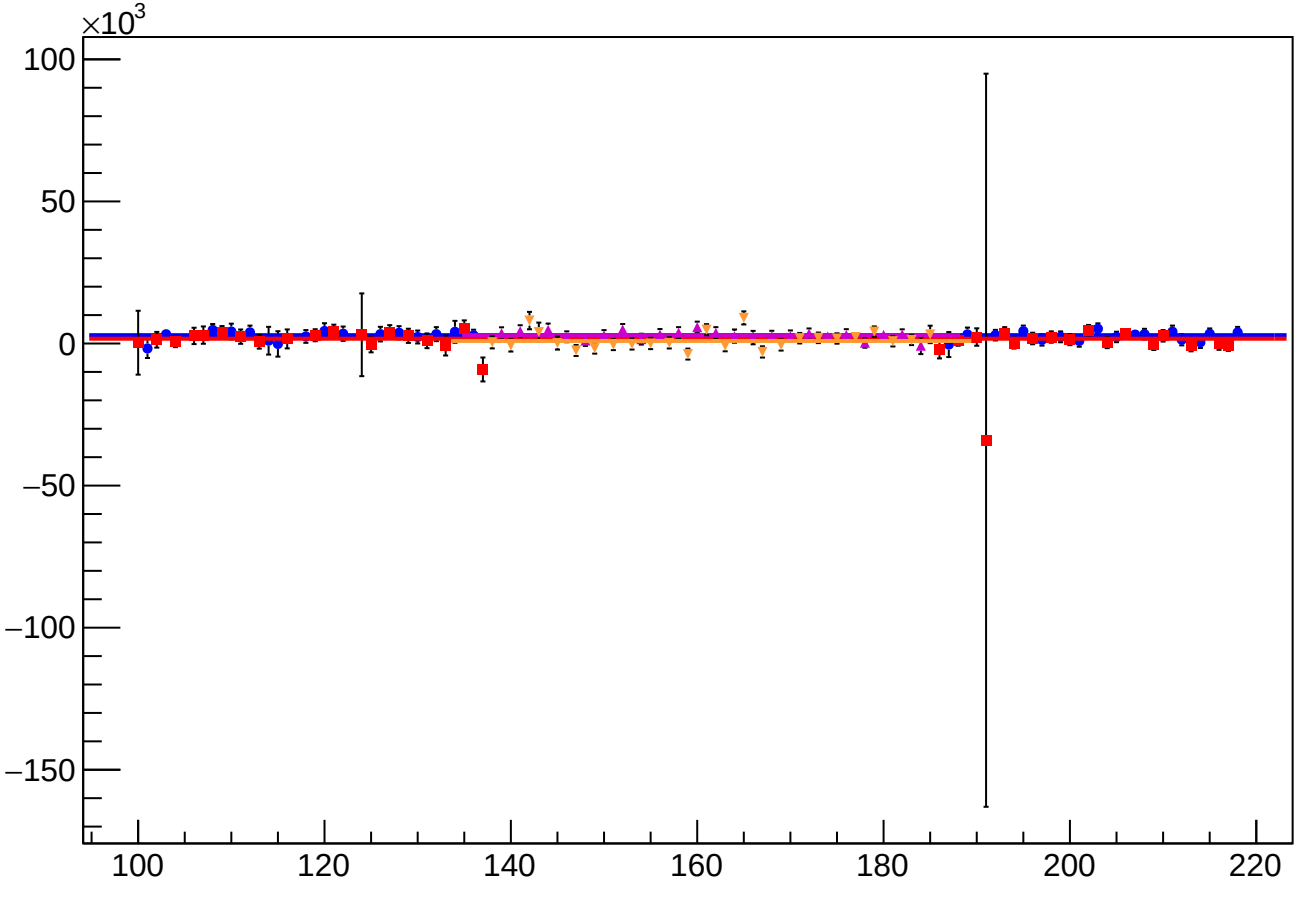
Right: 8488.347+/-0.994 χ^2/NDF: 7908377.1/67

In: 8980.803+/-1.052 χ^2/NDF:3762589.0/54

Out: 8060.478+/-0.961 χ^2/NDF:8516942.0/60

All: 8478.812+/-0.709 χ^2/NDF: 12696762.2/1

cor_asym_at2_avg_mean vs Slug, Sign Corrected



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: 1687.086+/-392.164 χ^2/NDF: 27.3/35

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

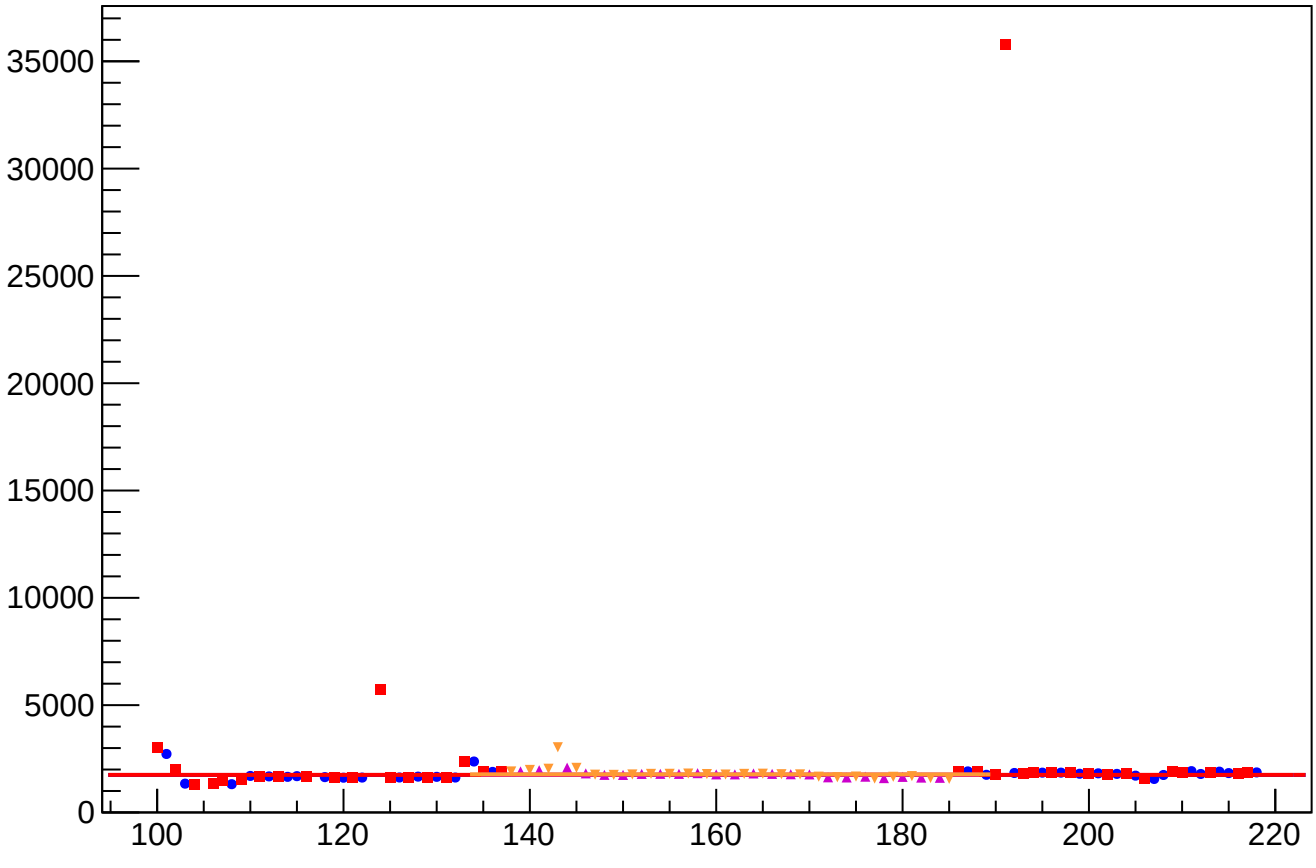
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2313.654+/-277.000 χ^2/NDF: 44.0/67

In: 2940.188+/-283.753 χ^2/NDF:22.2/54

Out: 1306.178+/-281.912 χ^2/NDF:74.5/60

All: 2117.865+/-199.990 χ^2/NDF: 113.4/115



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: 1750.784+/-0.277 χ^2/NDF: 735598.0/35

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

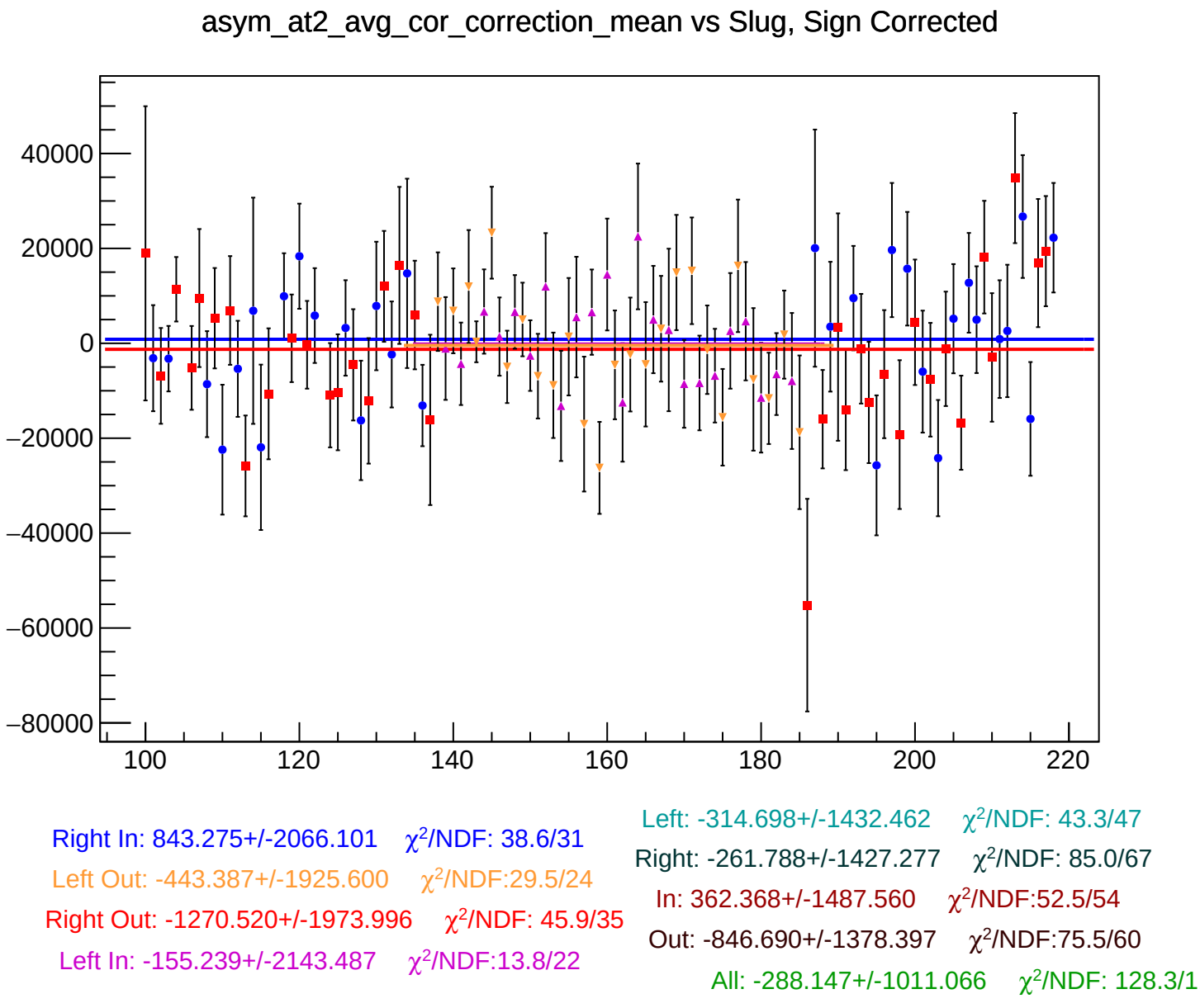
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

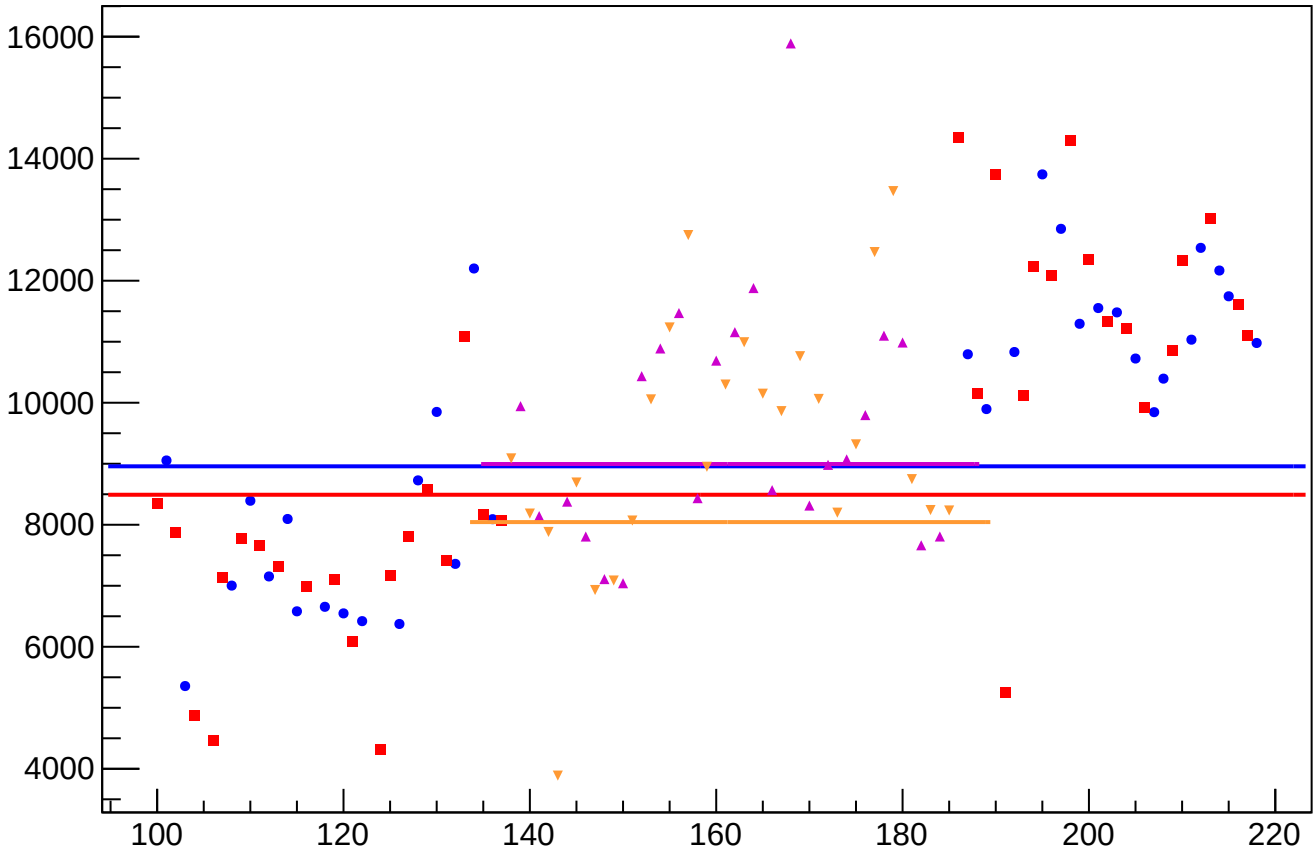
Right: 1748.234+/-0.196 χ^2/NDF: 1276194.3/67

In: 1752.995+/-0.201 χ^2/NDF:688161.5/54

Out: 1762.356+/-0.199 χ^2/NDF:1186097.6/60

All: 1757.706+/-0.141 χ^2/NDF: 1875354.5/11


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: -1270.520+/-1973.996 χ²/NDF: 45.9/35
Left In: -155.239+/-2143.487 χ²/NDF:13.8/22
Left: -314.698+/-1432.462 χ²/NDF: 43.3/47
Right: -261.788+/-1427.277 χ²/NDF: 85.0/67
In: 362.368+/-1487.560 χ²/NDF:52.5/54
Out: -846.690+/-1378.397 χ²/NDF:75.5/60
All: -288.147+/-1011.066 χ²/NDF: 128.3/115



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: 8491.779+/-1.396 χ^2/NDF: 3777380.6/35

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

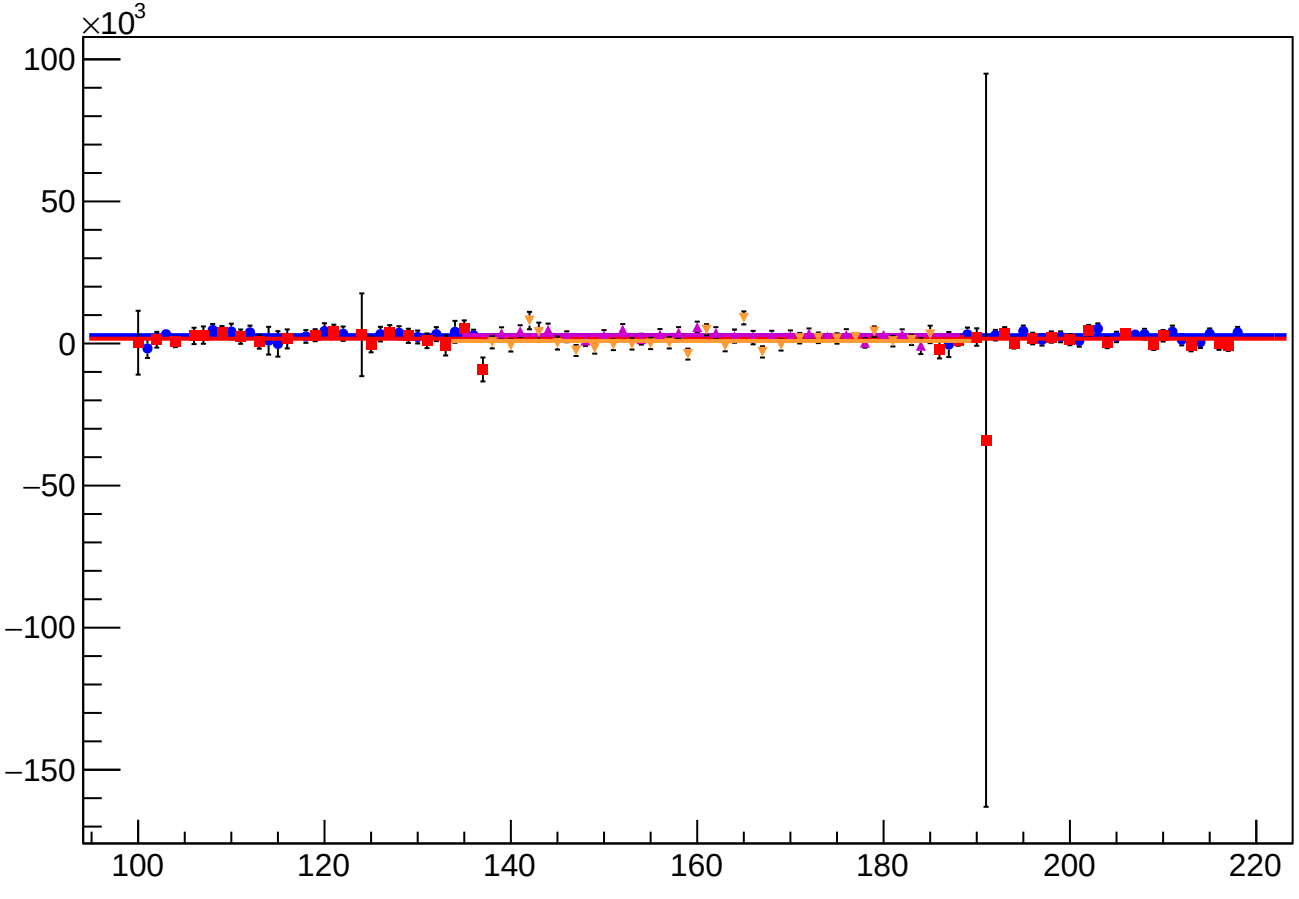
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 8714.169+/-1.009 χ^2/NDF: 6407564.7/67

In: 8976.011+/-1.052 χ^2/NDF:3784453.2/54

Out: 8262.236+/-0.975 χ^2/NDF:7193074.5/60

All: 8591.975+/-0.715 χ^2/NDF: 11225278.0/1



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: 1687.086+/-392.164 χ^2/NDF: 27.3/35

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

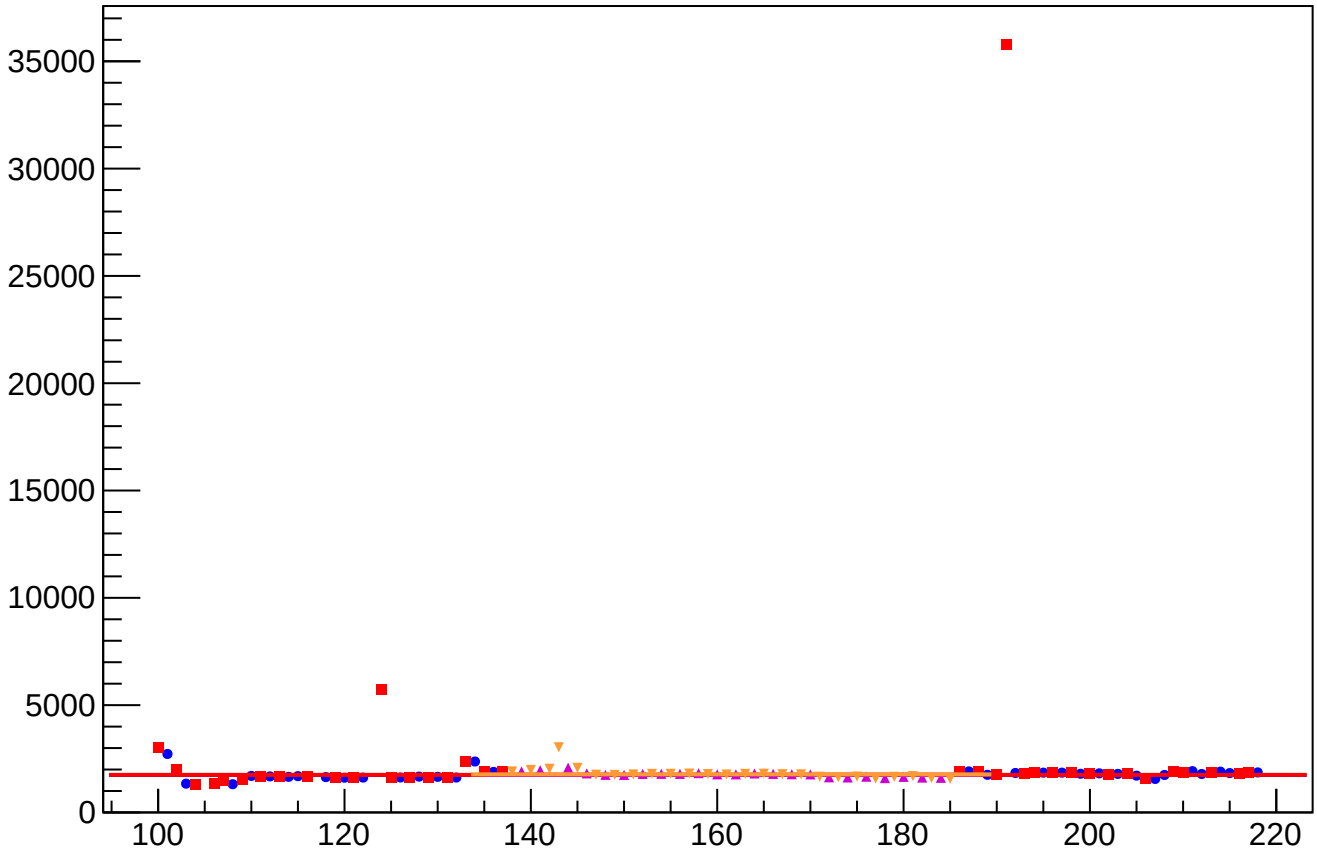
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2313.654+/-277.000 χ^2/NDF: 44.0/67

In: 2940.188+/-283.753 χ^2/NDF:22.2/54

Out: 1306.178+/-281.912 χ^2/NDF:74.5/60

All: 2117.865+/-199.990 χ^2/NDF: 113.4/115



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: 1750.784+/-0.277 χ^2/NDF: 735598.0/35

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

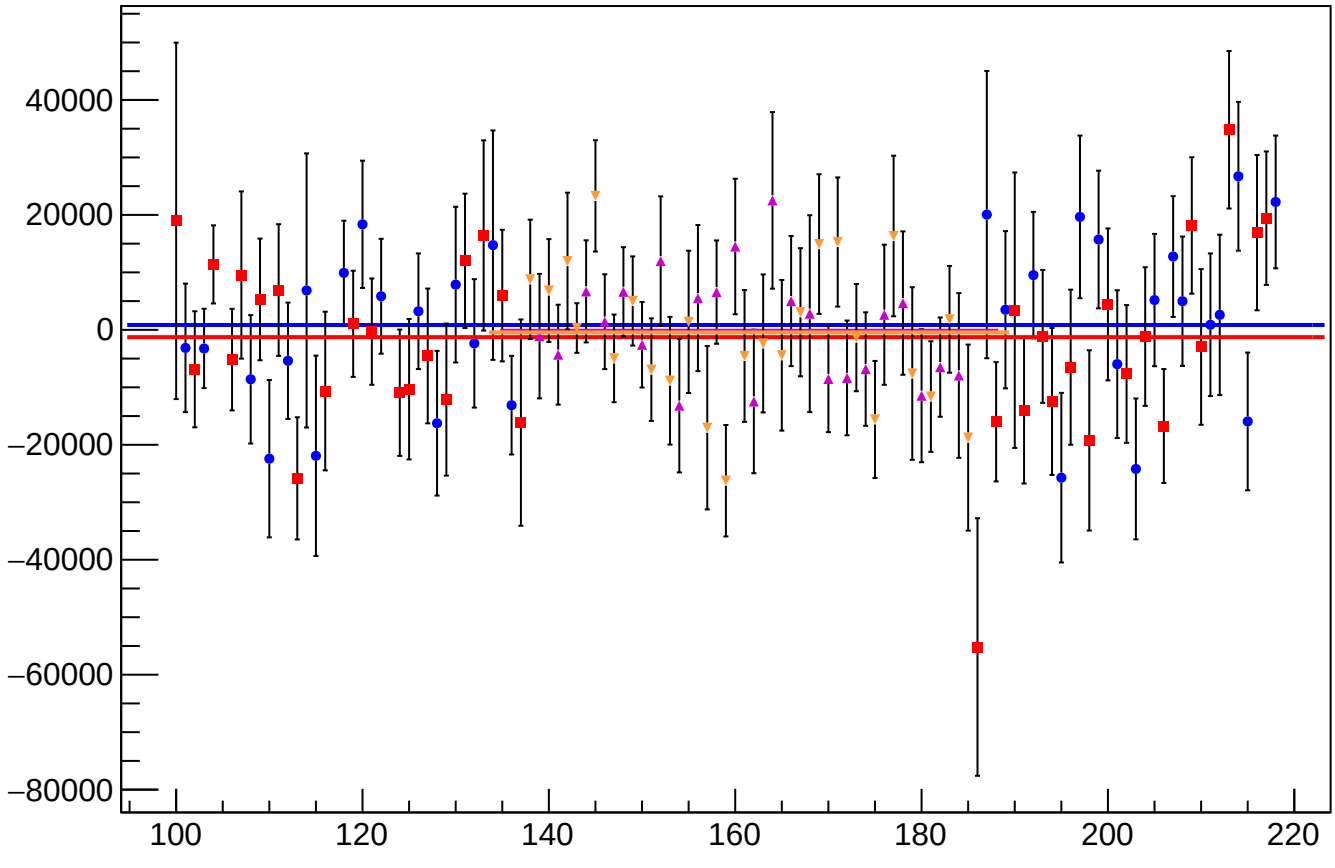
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1748.234+/-0.196 χ^2/NDF: 1276194.3/67

In: 1752.995+/-0.201 χ^2/NDF:688161.5/54

Out: 1762.356+/-0.199 χ^2/NDF:1186097.6/60

All: 1757.706+/-0.141 χ^2/NDF: 1875354.5/11



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: -1270.520+/-1973.996 χ^2/NDF: 45.9/35

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

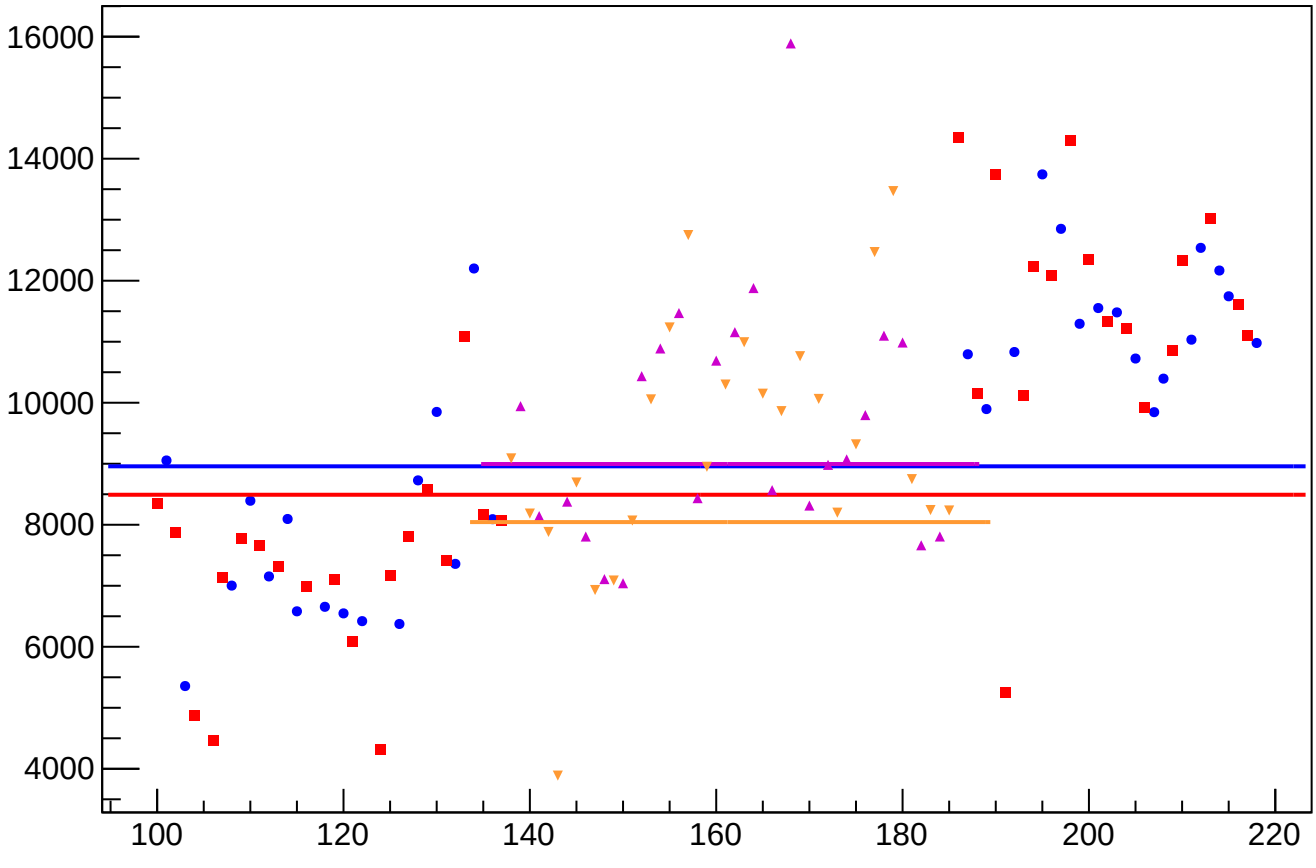
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -261.788+/-1427.277 χ^2/NDF: 85.0/67

In: 362.368+/-1487.560 χ^2/NDF:52.5/54

Out: -846.690+/-1378.397 χ^2/NDF:75.5/60

All: -288.147+/-1011.066 χ^2/NDF: 128.3/115



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: 8491.779+/-1.396 χ^2/NDF: 3777380.6/35

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

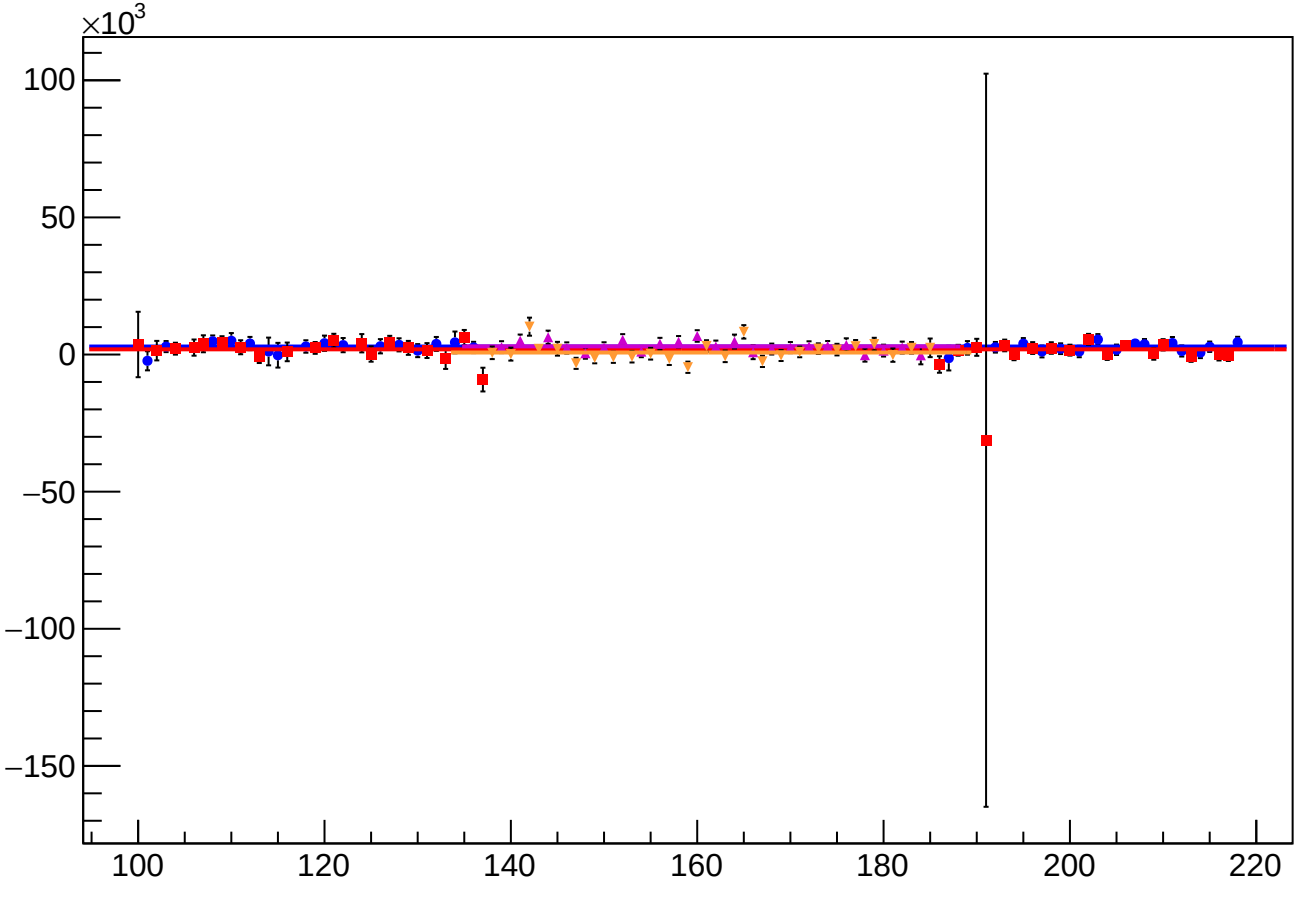
Right: 8714.169+/-1.009 χ^2/NDF: 6407564.7/67

In: 8976.011+/-1.052 χ^2/NDF:3784453.2/54

Out: 8262.236+/-0.975 χ^2/NDF:7193074.5/60

All: 8591.975+/-0.715 χ^2/NDF: 11225278.0/1

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: 1897.595+/-402.835 χ^2/NDF: 31.9/35

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

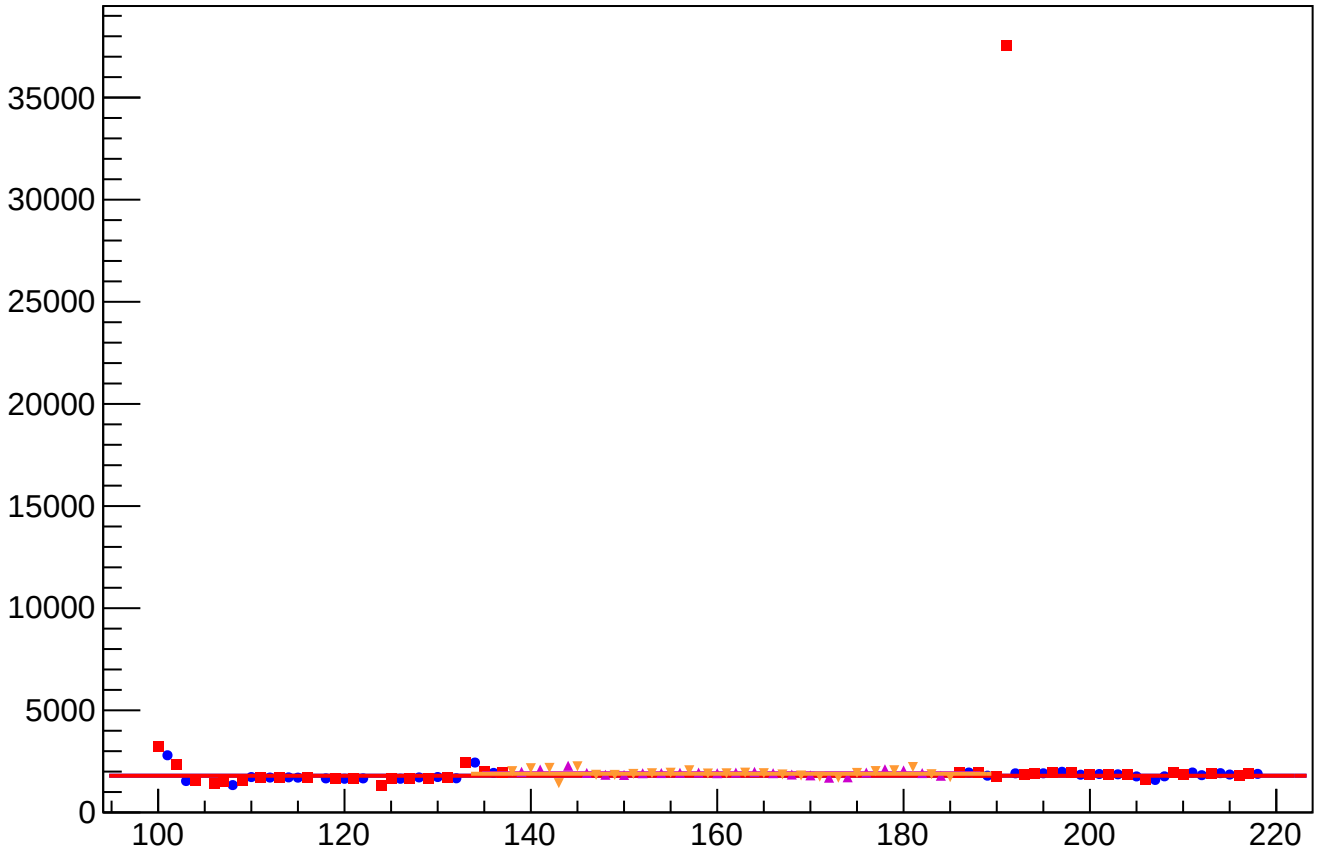
Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

Right: 2407.905+/-284.968 χ^2/NDF: 48.7/67

In: 2945.838+/-300.382 χ^2/NDF:29.2/54

Out: 1359.907+/-294.897 χ^2/NDF:77.3/60

All: 2138.261+/-210.436 χ^2/NDF: 120.8/115



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: 1797.116+/-0.285 χ^2/NDF: 591064.2/35

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

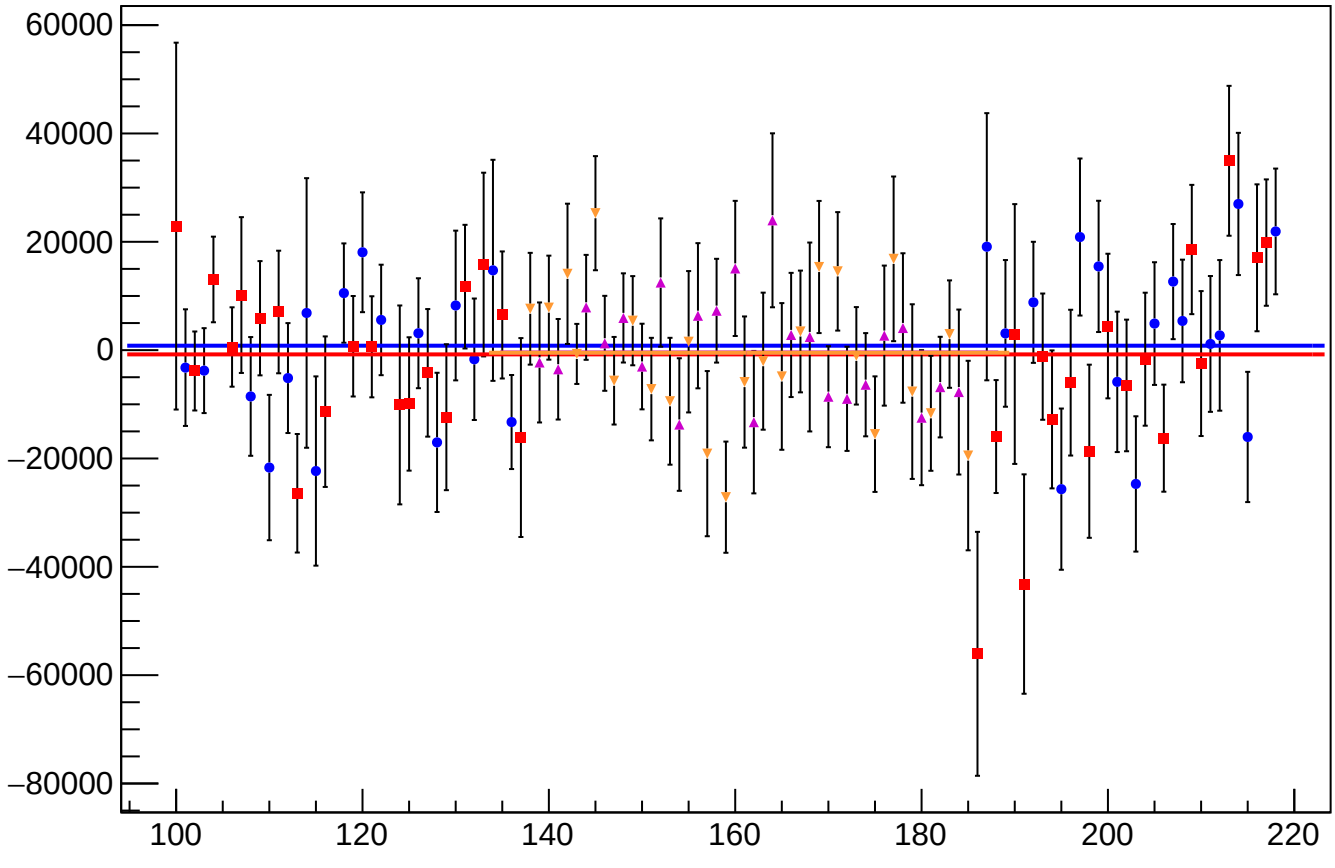
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1798.169+/-0.201 χ^2/NDF: 1074979.8/67

In: 1854.311+/-0.212 χ^2/NDF:718785.0/54

Out: 1842.390+/-0.209 χ^2/NDF:1014108.8/60

All: 1848.240+/-0.149 χ^2/NDF: 1734497.8/11



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: -783.901+/-1982.291 χ^2/NDF: 48.1/35

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

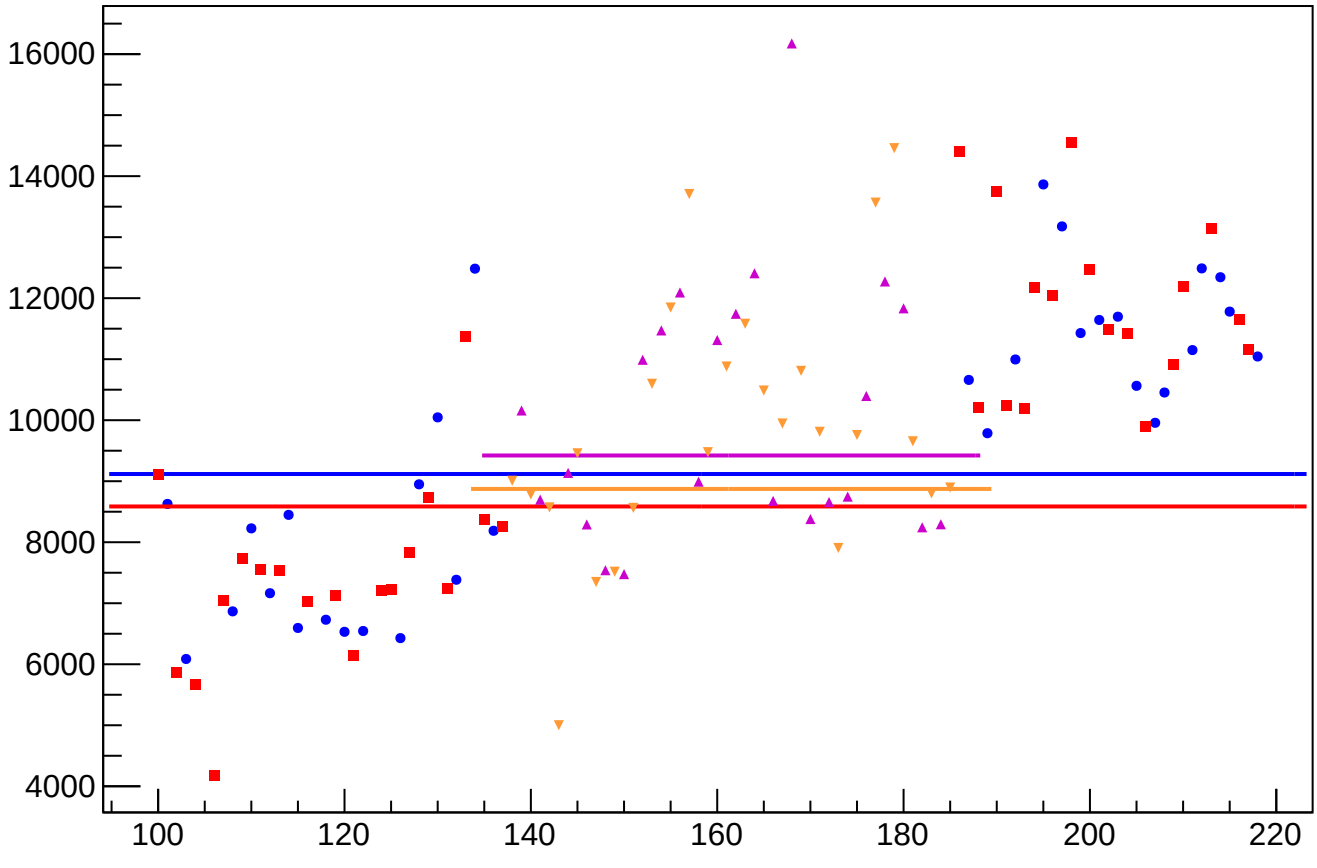
Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

Right: -26.632+/-1440.543 χ^2/NDF: 86.6/67

In: 234.915+/-1532.520 χ^2/NDF:52.0/54

Out: -639.614+/-1438.013 χ^2/NDF:76.9/60

All: -230.144+/-1048.648 χ^2/NDF: 129.0/115



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: 8586.085+/-1.402 χ^2/NDF: 3646271.4/35

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

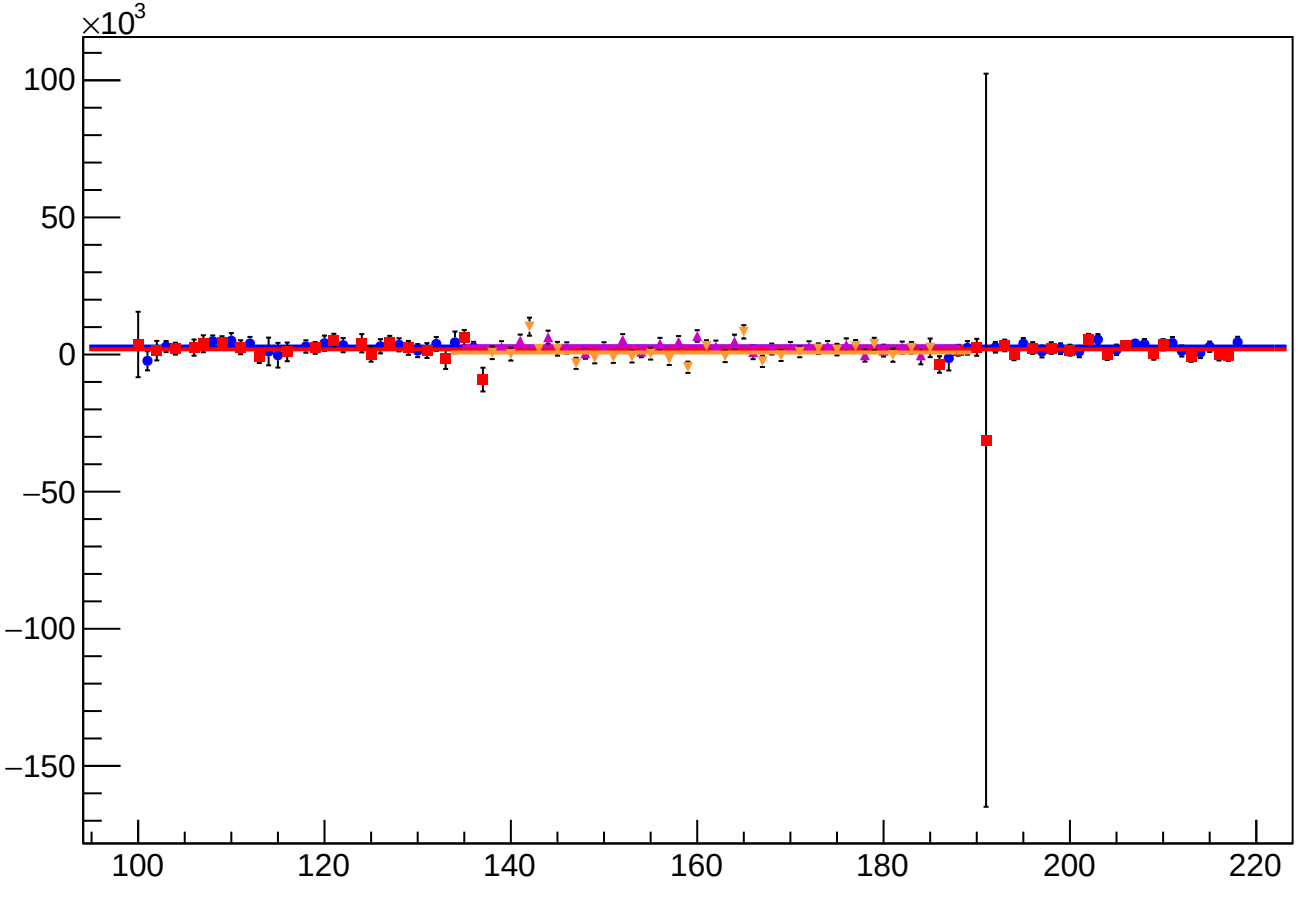
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 8837.050+/-1.019 χ^2/NDF: 6055559.9/67

In: 9259.452+/-1.084 χ^2/NDF:3565762.4/54

Out: 8722.292+/-1.017 χ^2/NDF:5869452.7/60

All: 8973.800+/-0.742 χ^2/NDF: 9565880.2/11



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: 1897.596+/-402.835 χ^2/NDF: 31.9/35

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

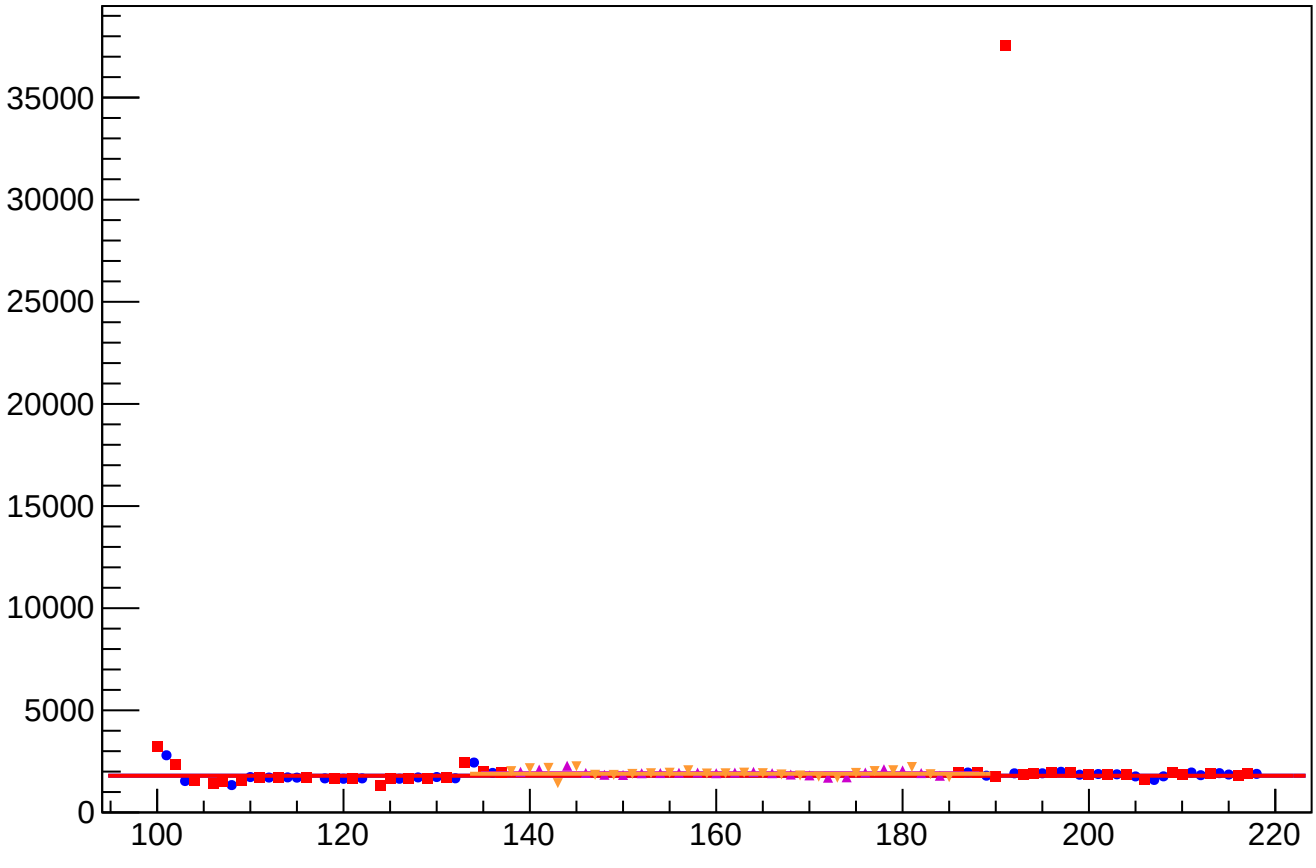
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2407.903+/-284.968 χ^2/NDF: 48.7/67

In: 2945.835+/-300.382 χ^2/NDF:29.2/54

Out: 1359.904+/-294.897 χ^2/NDF:77.3/60

All: 2138.258+/-210.436 χ^2/NDF: 120.8/115



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: 1797.116+/-0.285 χ^2/NDF: 591065.6/35

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

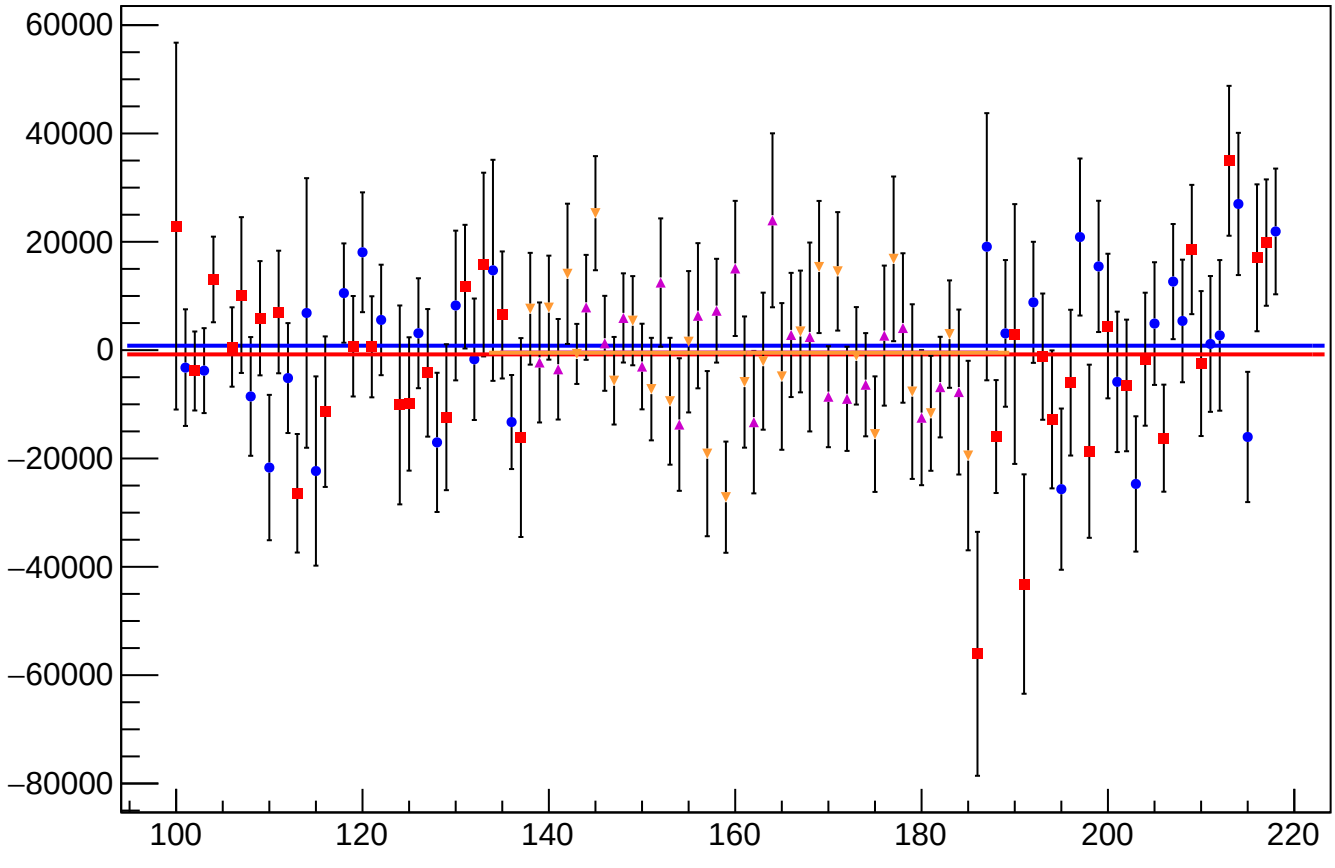
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1798.169+/-0.201 χ^2/NDF: 1074981.9/67

In: 1854.312+/-0.212 χ^2/NDF:718797.5/54

Out: 1842.392+/-0.209 χ^2/NDF:1014121.2/60

All: 1848.242+/-0.149 χ^2/NDF: 1734522.7/11



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: -783.892+/-1982.289 χ^2/NDF: 48.1/35

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

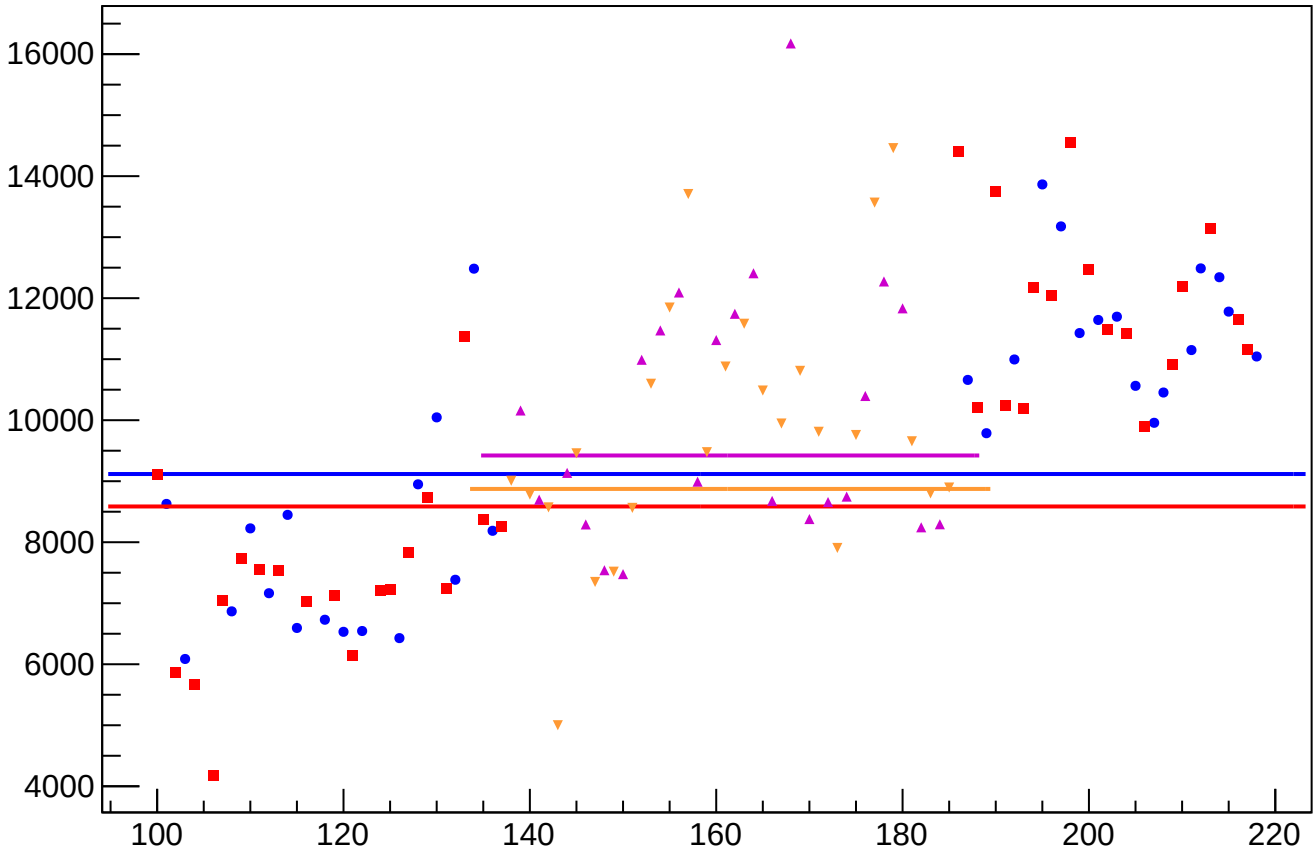
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -26.626+/-1440.543 χ^2/NDF: 86.6/67

In: 234.917+/-1532.521 χ^2/NDF:52.0/54

Out: -639.613+/-1438.013 χ^2/NDF:76.9/60

All: -230.143+/-1048.649 χ^2/NDF: 129.0/115



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: 8586.075+/-1.402 χ^2/NDF: 3646302.5/35

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

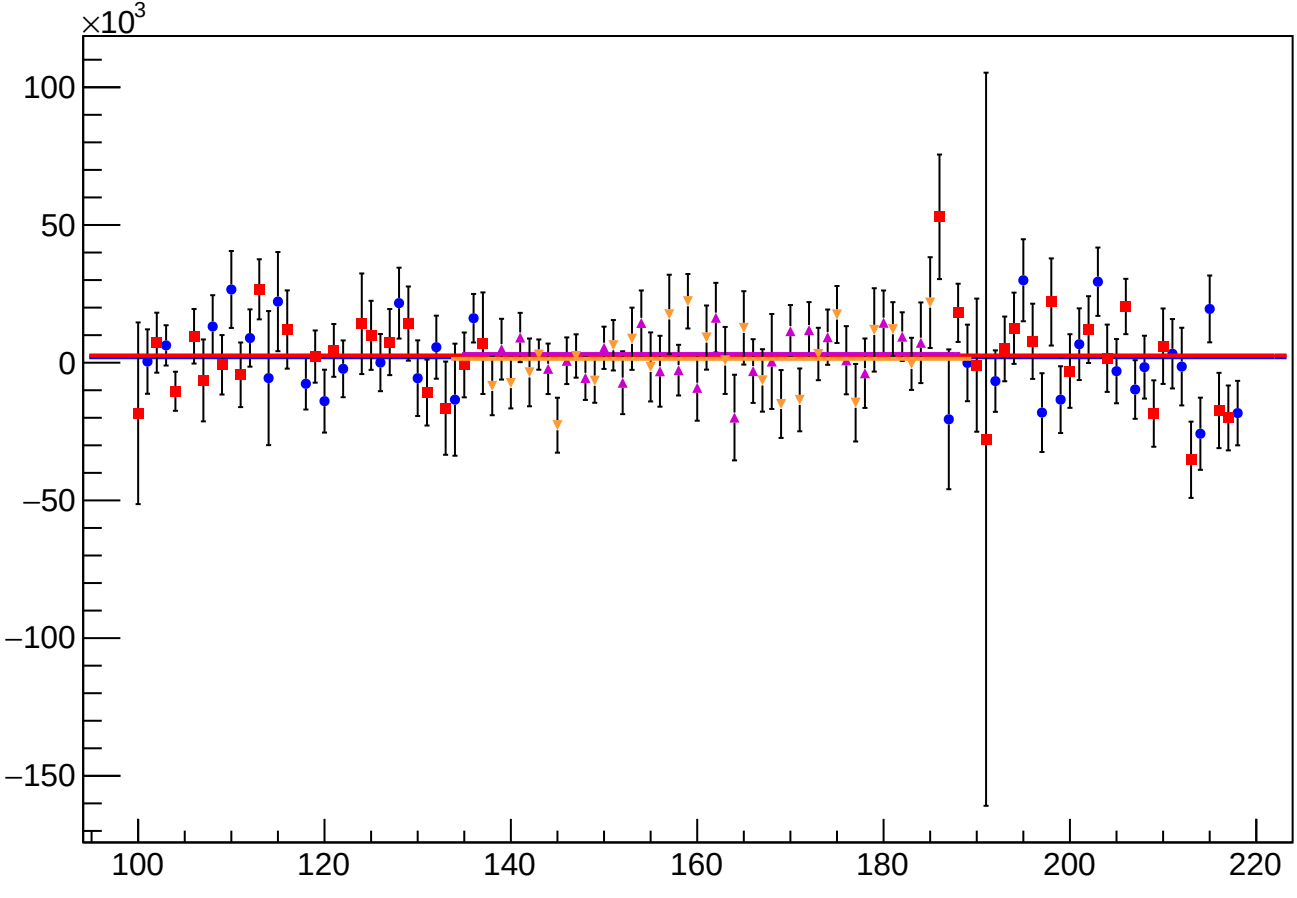
Right: 8837.040+/-1.019 χ^2/NDF: 6055627.0/67

In: 9259.454+/-1.084 χ^2/NDF:3565804.7/54

Out: 8722.293+/-1.017 χ^2/NDF:5869488.8/60

All: 8973.801+/-0.742 χ^2/NDF: 9565958.8/11

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: 2624.046+/-2076.646 χ^2/NDF: 44.7/35

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

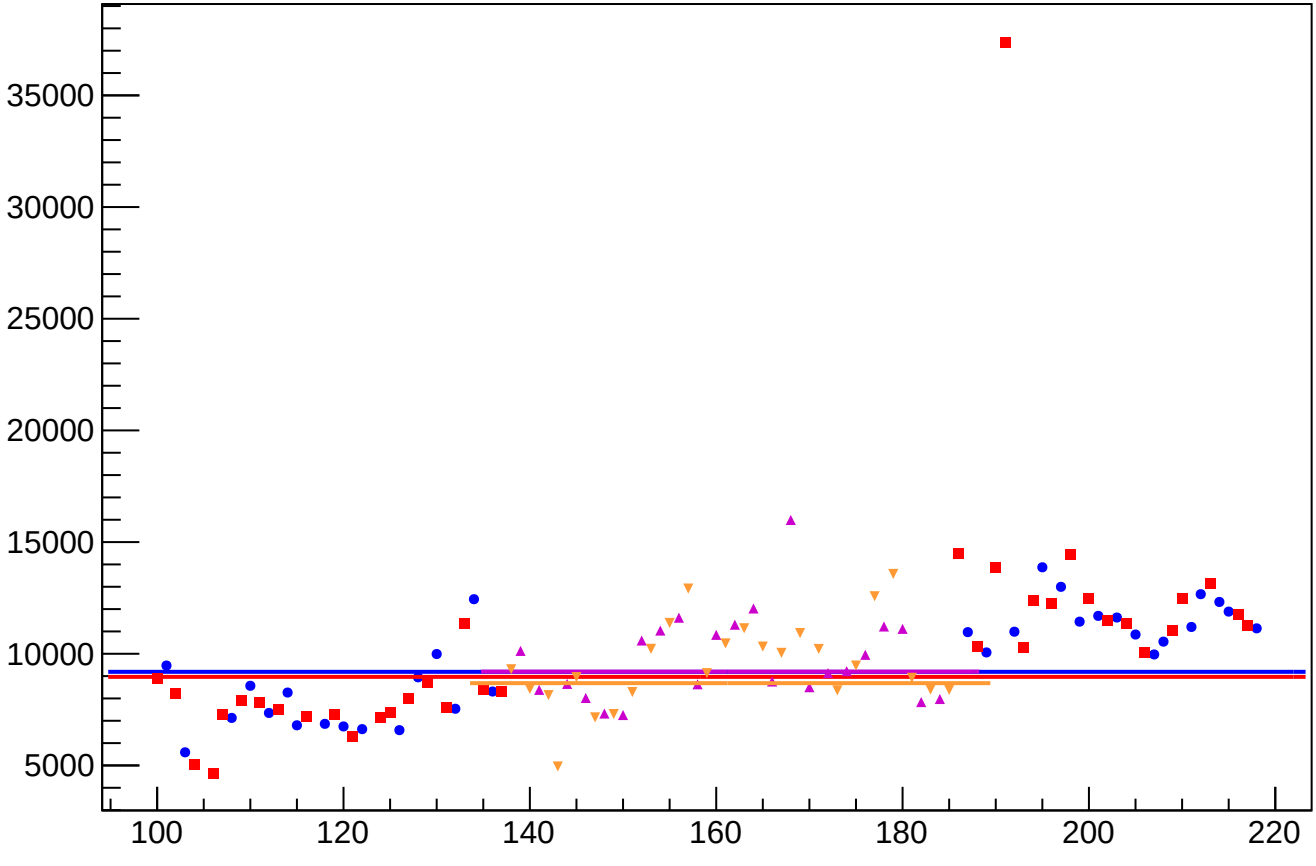
Right: 2315.756+/-1481.976 χ^2/NDF: 84.8/67

In: 2547.909+/-1521.383 χ^2/NDF:53.1/54

Out: 2005.332+/-1455.247 χ^2/NDF:72.4/60

All: 2264.571+/-1051.619 χ^2/NDF: 125.6/115

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: 8965.945+/-1.468 χ^2/NDF: 3188054.9/35

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

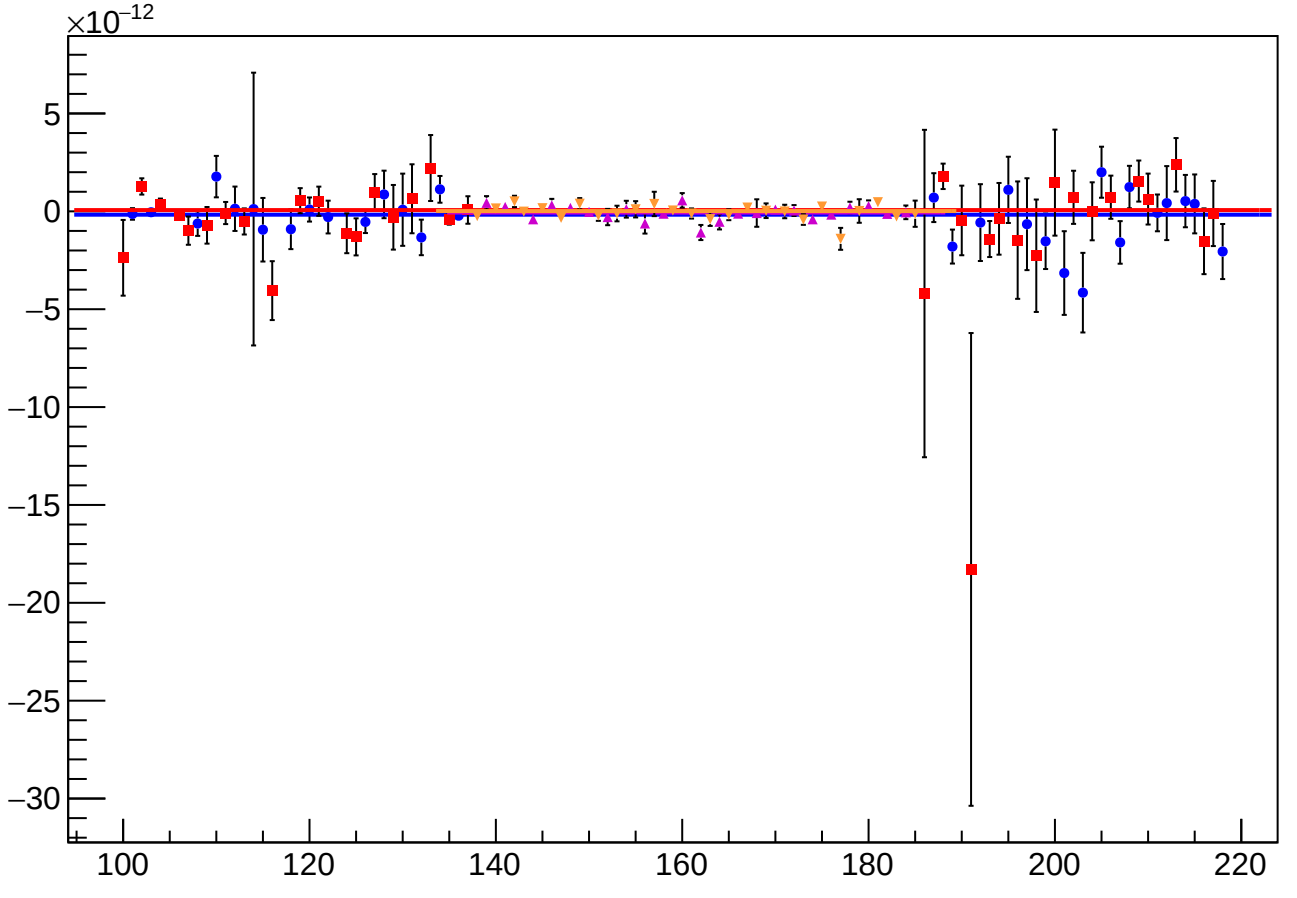
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 9076.835+/-1.048 χ^2/NDF: 5592834.6/67

In: 9196.211+/-1.076 χ^2/NDF:3522595.0/54

Out: 8822.743+/-1.029 χ^2/NDF:5258367.4/60

All: 9001.179+/-0.744 χ^2/NDF: 8843900.5/11



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: 53.2/35

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

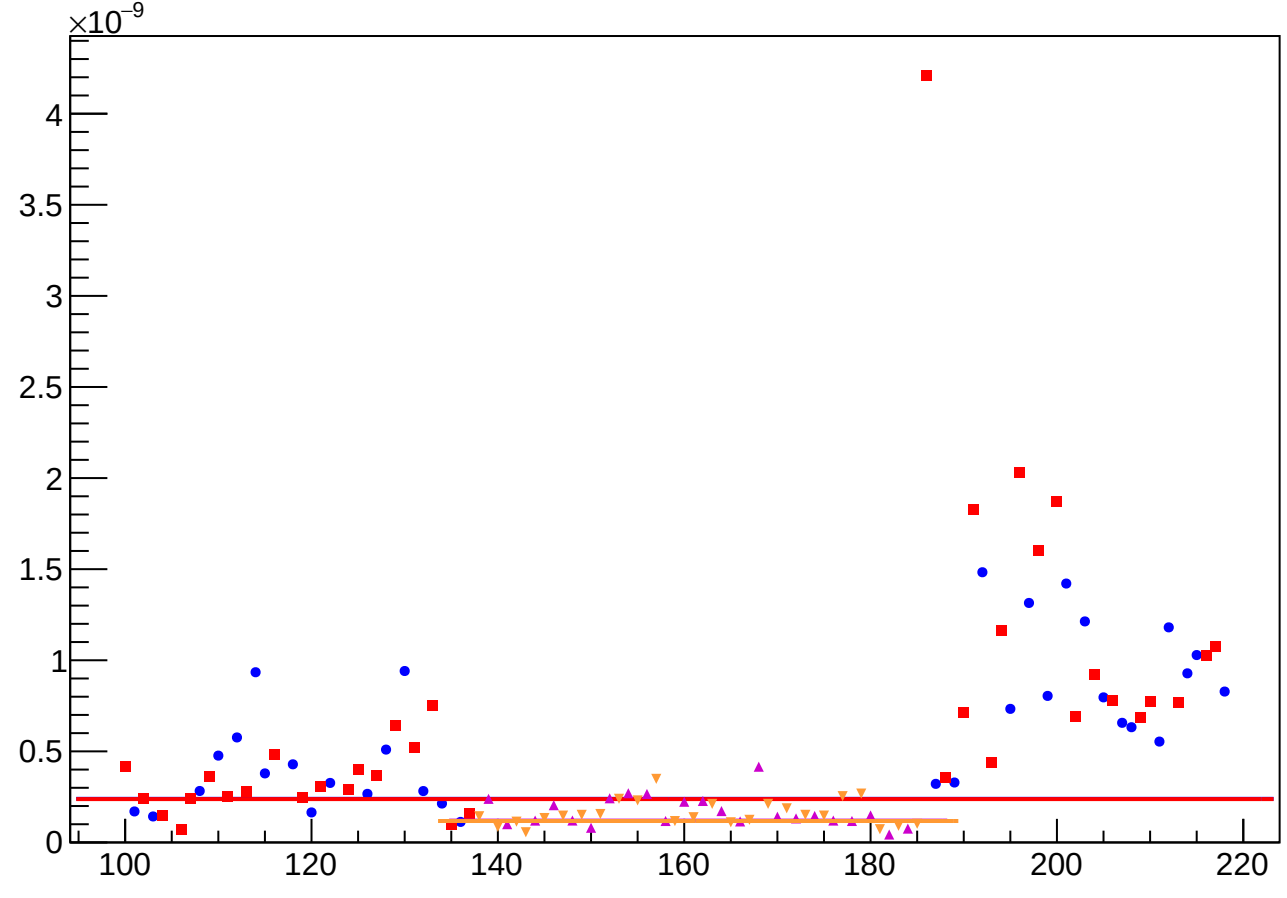
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 86.8/67

In: -0.000+/-0.000 χ^2/NDF:60.0/54

Out: 0.000+/-0.000 χ^2/NDF:82.2/60

All: -0.000+/-0.000 χ^2/NDF: 144.7/115



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: 8459584.0/35

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

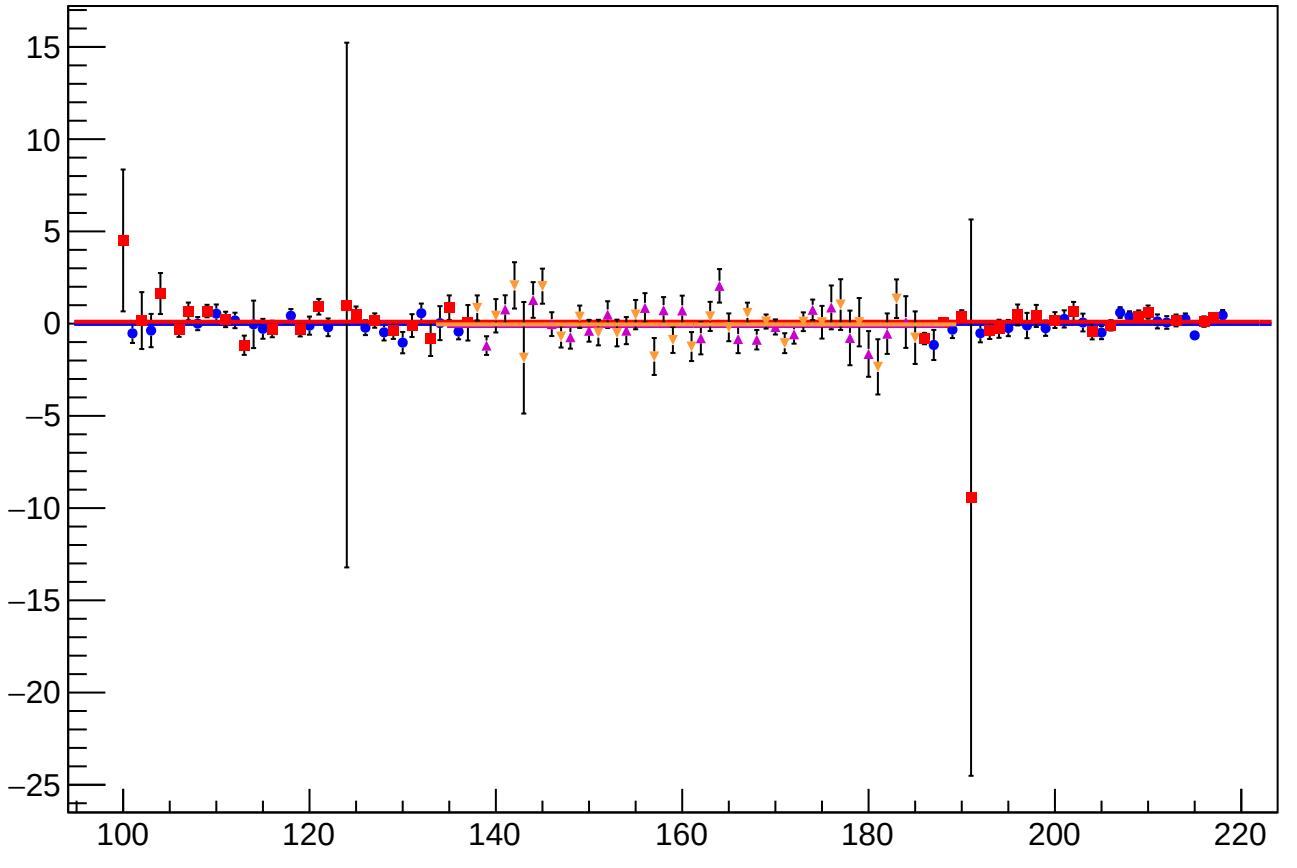
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 16404756.7/67

In: 0.000+/-0.000 χ^2/NDF:12457523.2/54

Out: 0.000+/-0.000 χ^2/NDF:12639316.0/60

All: 0.000+/-0.000 χ^2/NDF: 25107455.1/115



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: 0.103+/-0.068 χ^2/NDF: 44.2/35

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

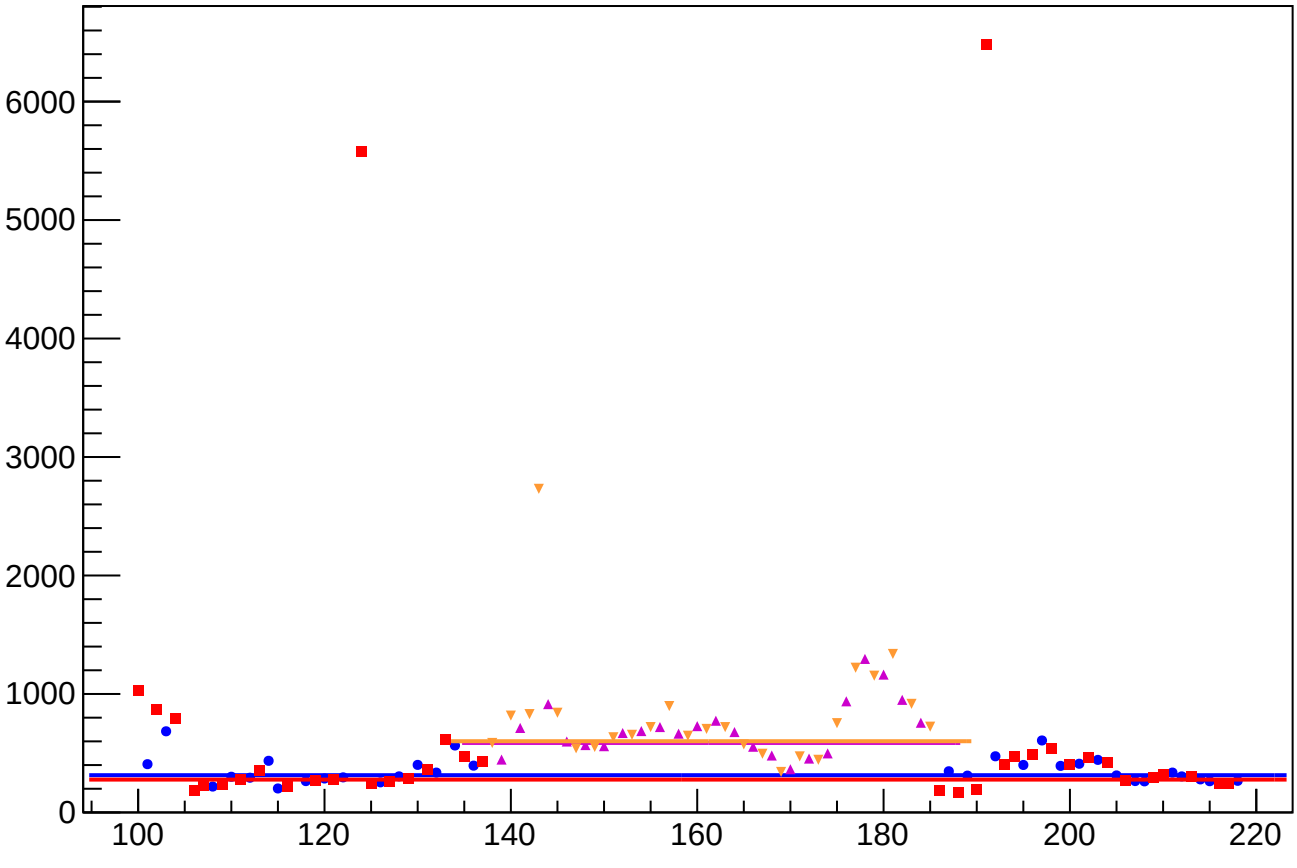
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.048+/-0.050 χ^2/NDF: 78.1/67

In: -0.039+/-0.066 χ^2/NDF:62.1/54

Out: 0.078+/-0.062 χ^2/NDF:75.1/60

All: 0.023+/-0.045 χ^2/NDF: 138.8/115



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: 277.367+/-0.048 χ^2/NDF: 5098153.0/35

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

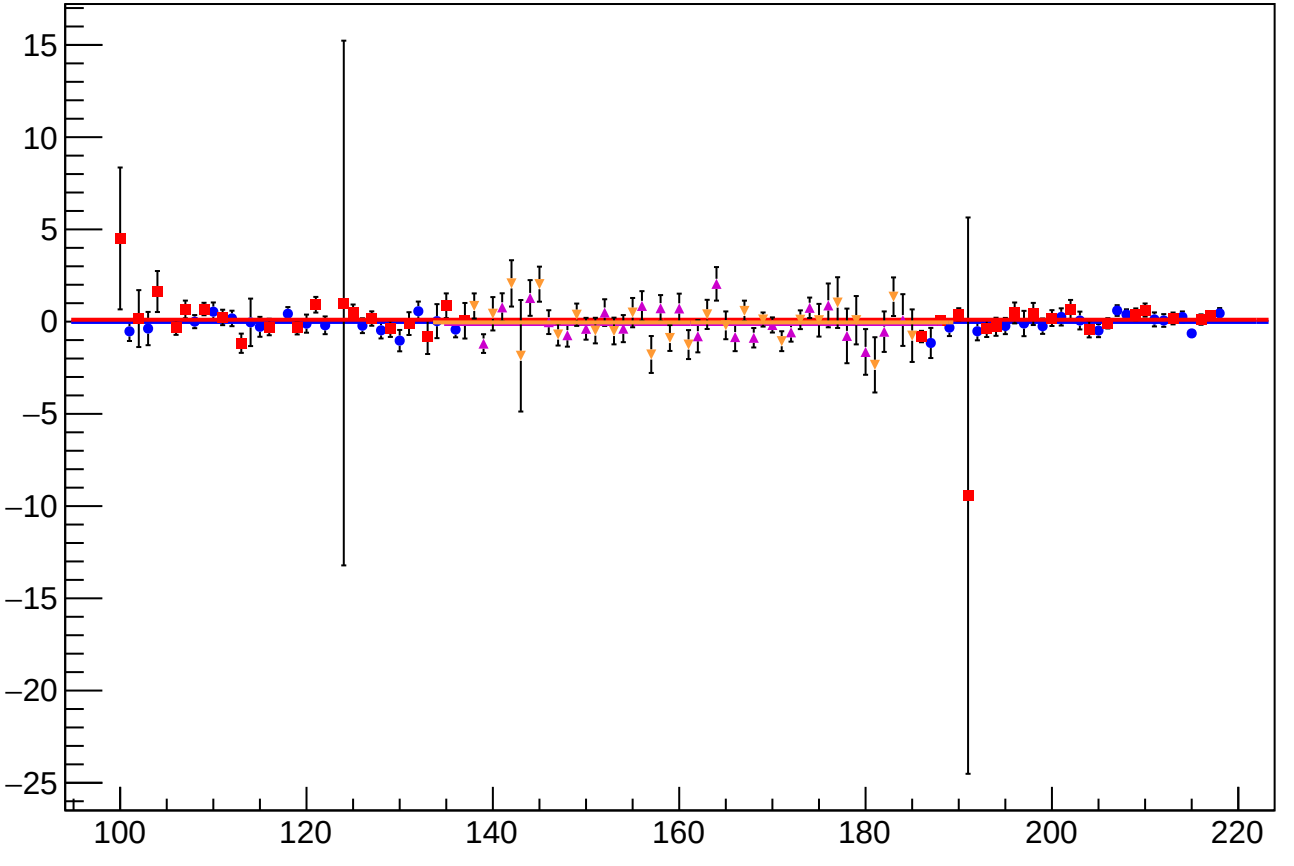
Right: 294.346+/-0.035 χ^2/NDF: 7633404.4/67

In: 370.309+/-0.046 χ^2/NDF:10787438.1/54

Out: 333.659+/-0.043 χ^2/NDF:17522075.1/60

All: 350.767+/-0.032 χ^2/NDF: 28641046.8/11

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: 0.103+/-0.068 χ^2/NDF: 44.2/35

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

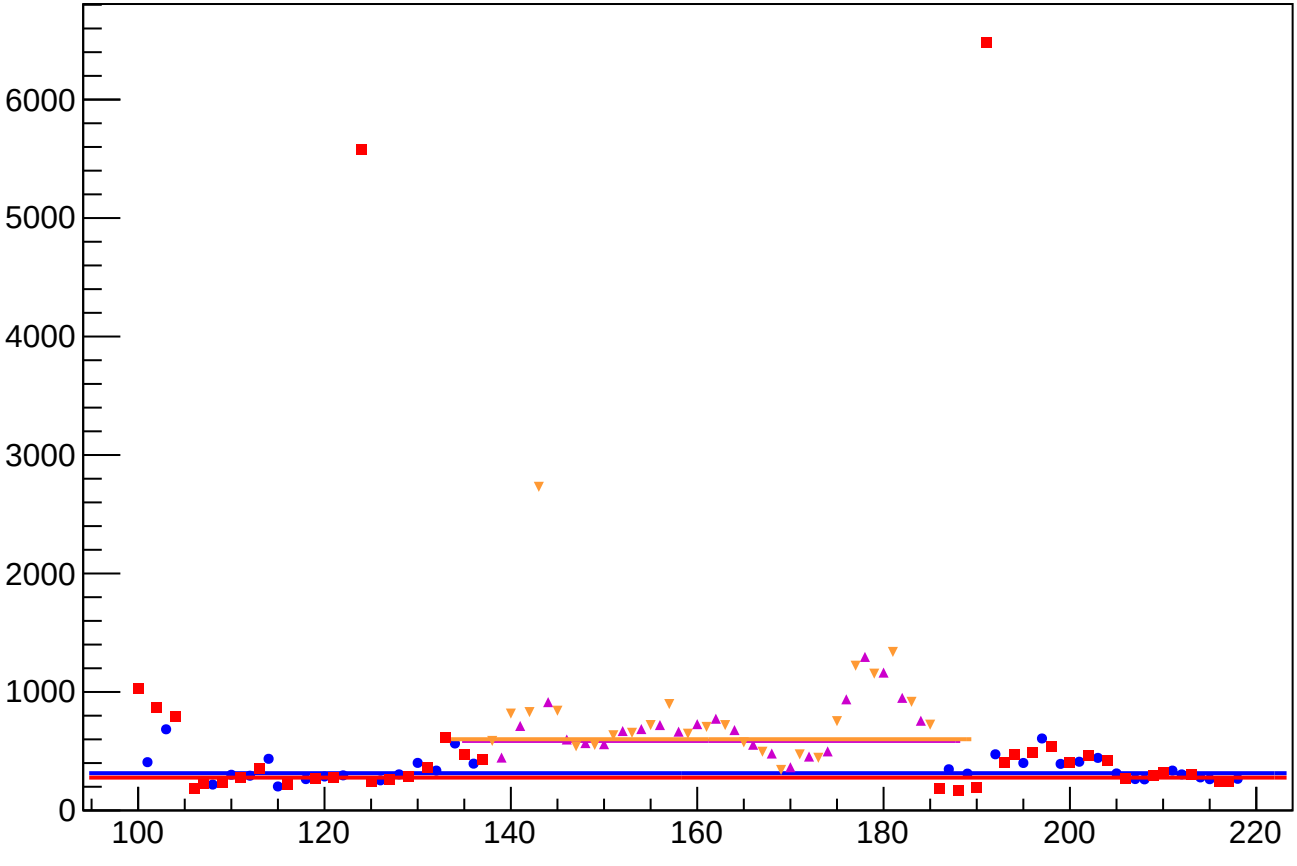
Right: 0.048+/-0.050 χ^2/NDF: 78.1/67

In: -0.039+/-0.066 χ^2/NDF:62.1/54

Out: 0.078+/-0.062 χ^2/NDF:75.1/60

All: 0.023+/-0.045 χ^2/NDF: 138.8/115

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: 277.367+/-0.048 χ^2/NDF: 5098153.0/35

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

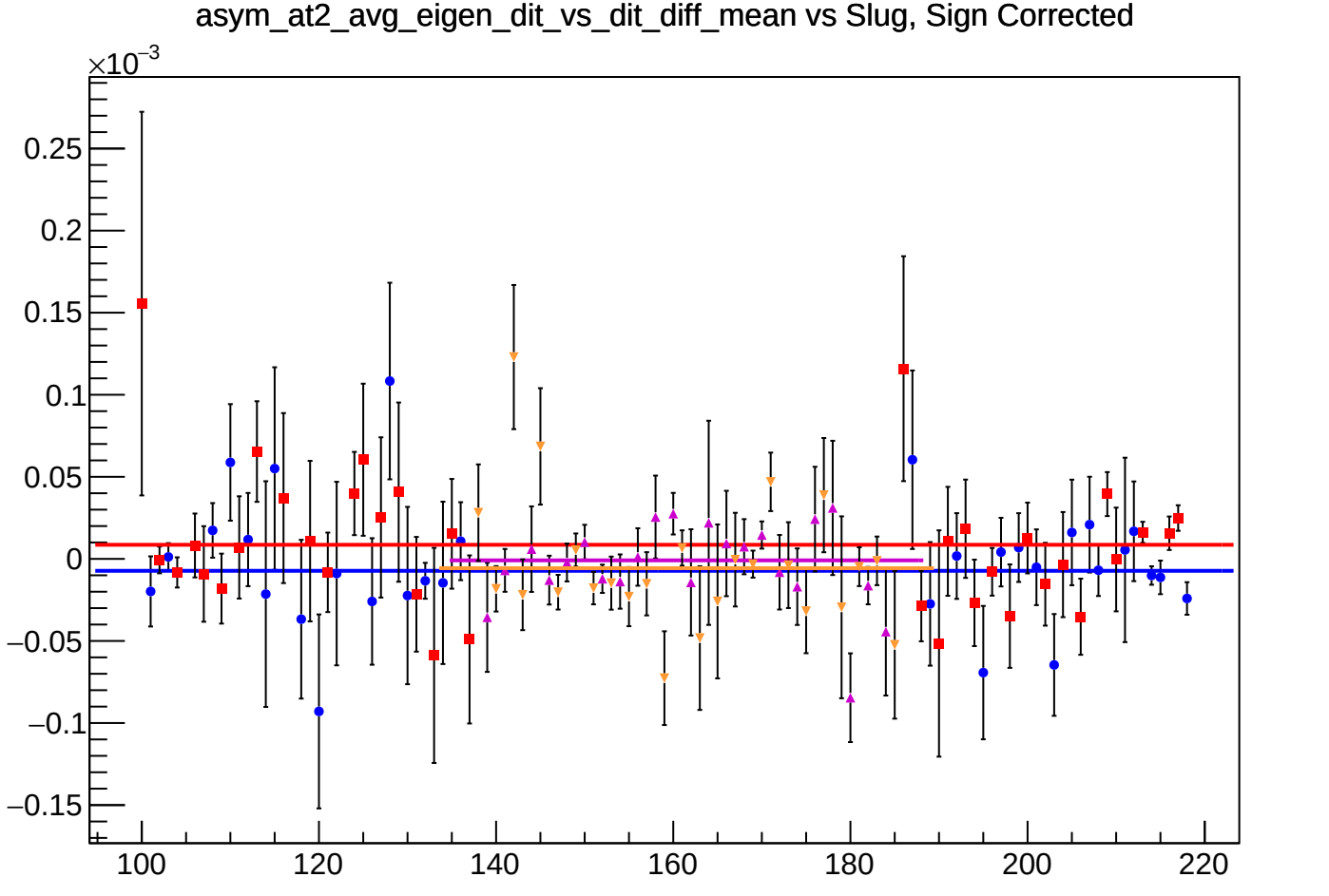
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

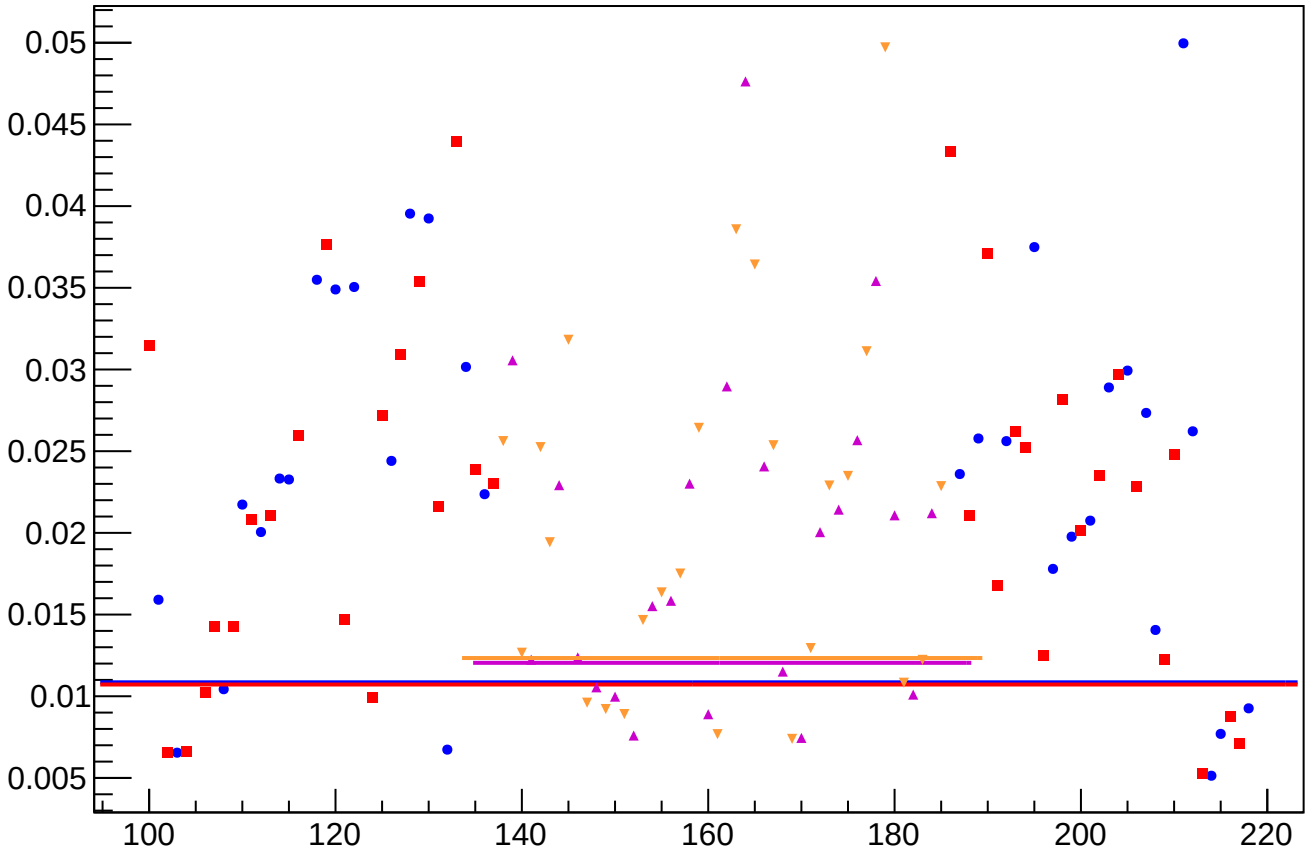
Right: 294.346+/-0.035 χ^2/NDF: 7633404.4/67

In: 370.309+/-0.046 χ^2/NDF:10787438.1/54

Out: 333.659+/-0.043 χ^2/NDF:17522075.1/60

All: 350.767+/-0.032 χ^2/NDF: 28641046.8/1


asym_at2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 29.9/31
Left Out: -0.000+/-0.000 χ²/NDF:42.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 46.4/35
Left In: -0.000+/-0.000 χ²/NDF:30.2/22
Left: -0.000+/-0.000 χ²/NDF: 73.9/47
Right: 0.000+/-0.000 χ²/NDF: 90.2/67
In: -0.000+/-0.000 χ²/NDF:62.0/54
Out: 0.000+/-0.000 χ²/NDF:99.7/60
All: -0.000+/-0.000 χ²/NDF: 166.1/115



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: 12061298.5/35

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

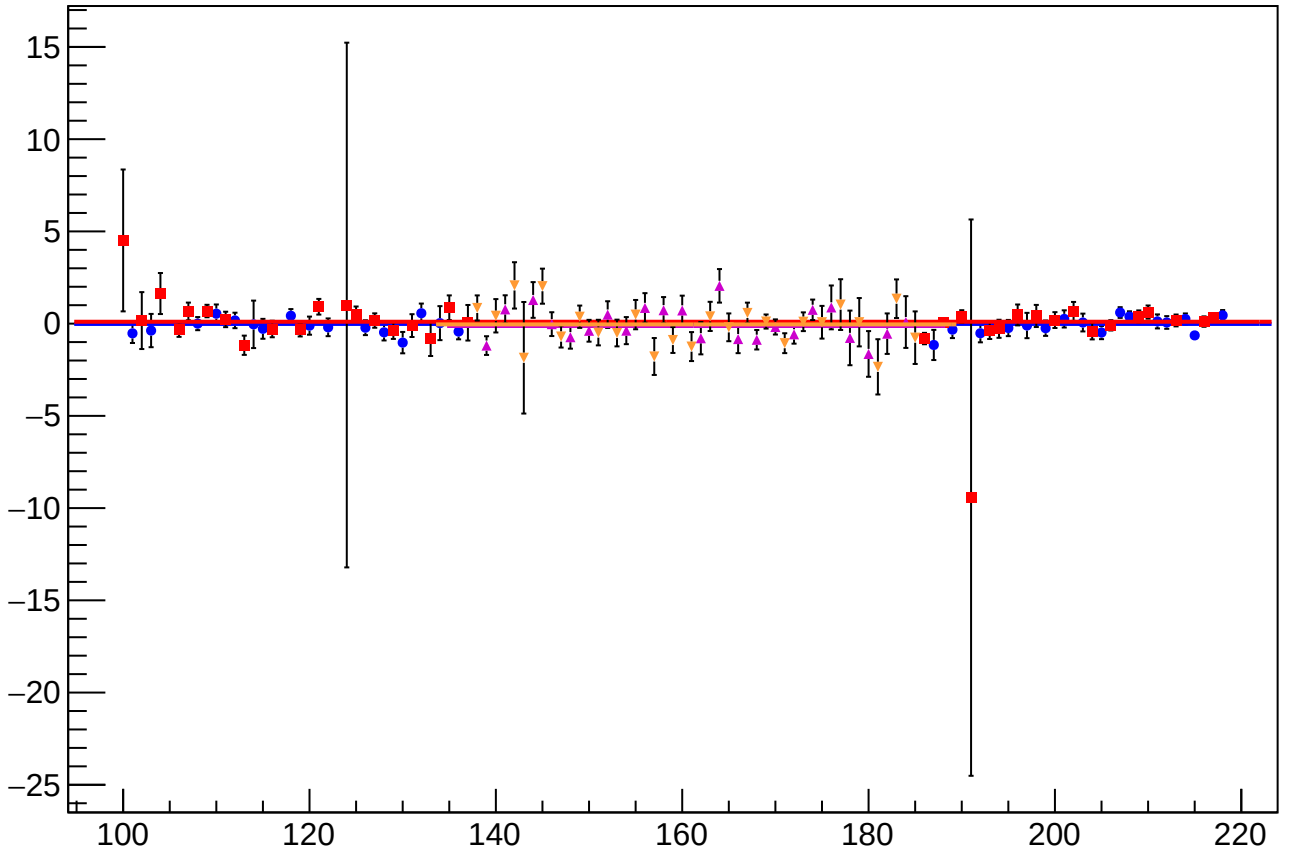
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.011+/-0.000 χ^2/NDF: 25550344.4/67

In: 0.011+/-0.000 χ^2/NDF:20006642.3/54

Out: 0.011+/-0.000 χ^2/NDF:20176623.6/60

All: 0.011+/-0.000 χ^2/NDF: 40183426.4/115



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: 0.103+/-0.068 χ^2/NDF: 44.2/35

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

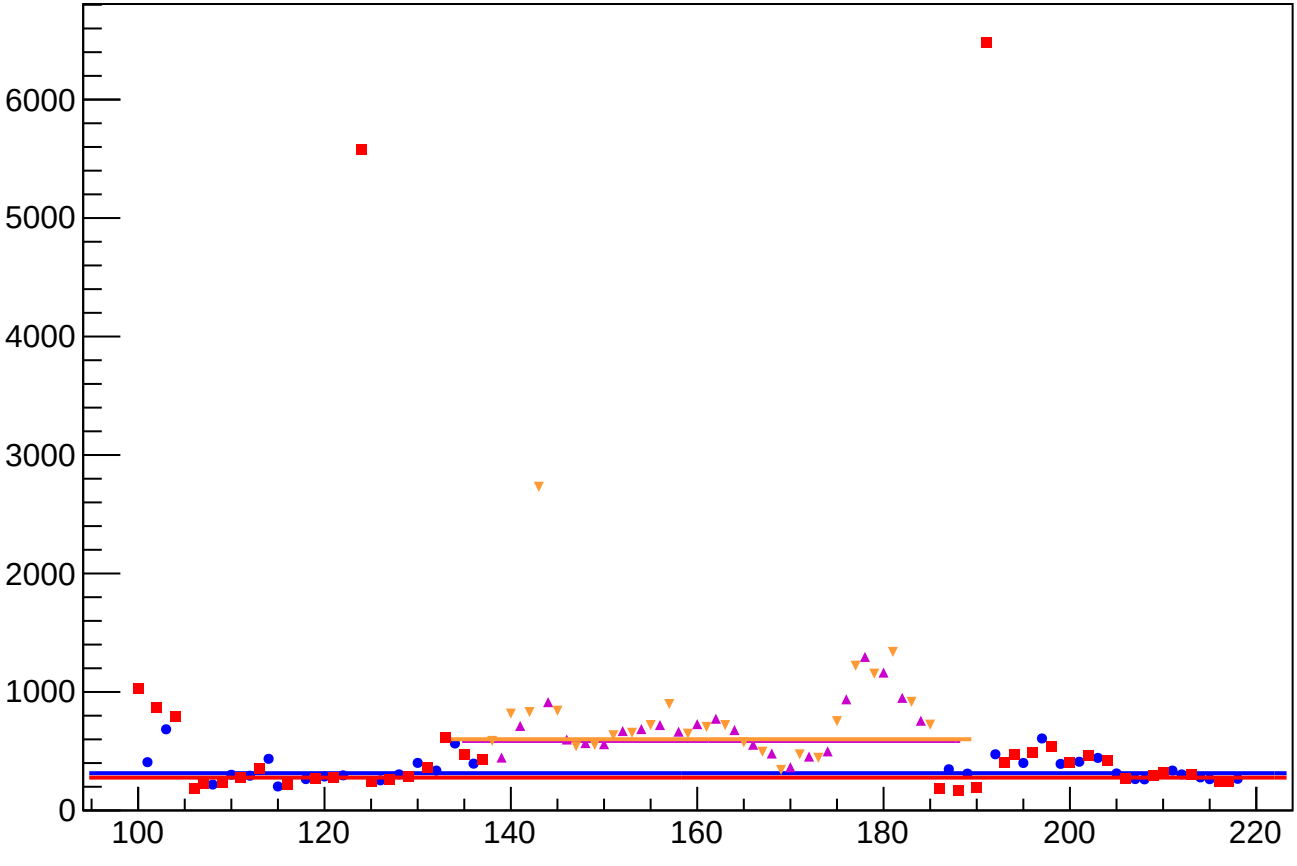
Right: 0.048+/-0.050 χ^2/NDF: 78.1/67

In: -0.039+/-0.066 χ^2/NDF:62.1/54

Out: 0.078+/-0.062 χ^2/NDF:75.1/60

All: 0.023+/-0.045 χ^2/NDF: 138.8/115

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: 277.362+/-0.048 χ^2/NDF: 5098446.9/35

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

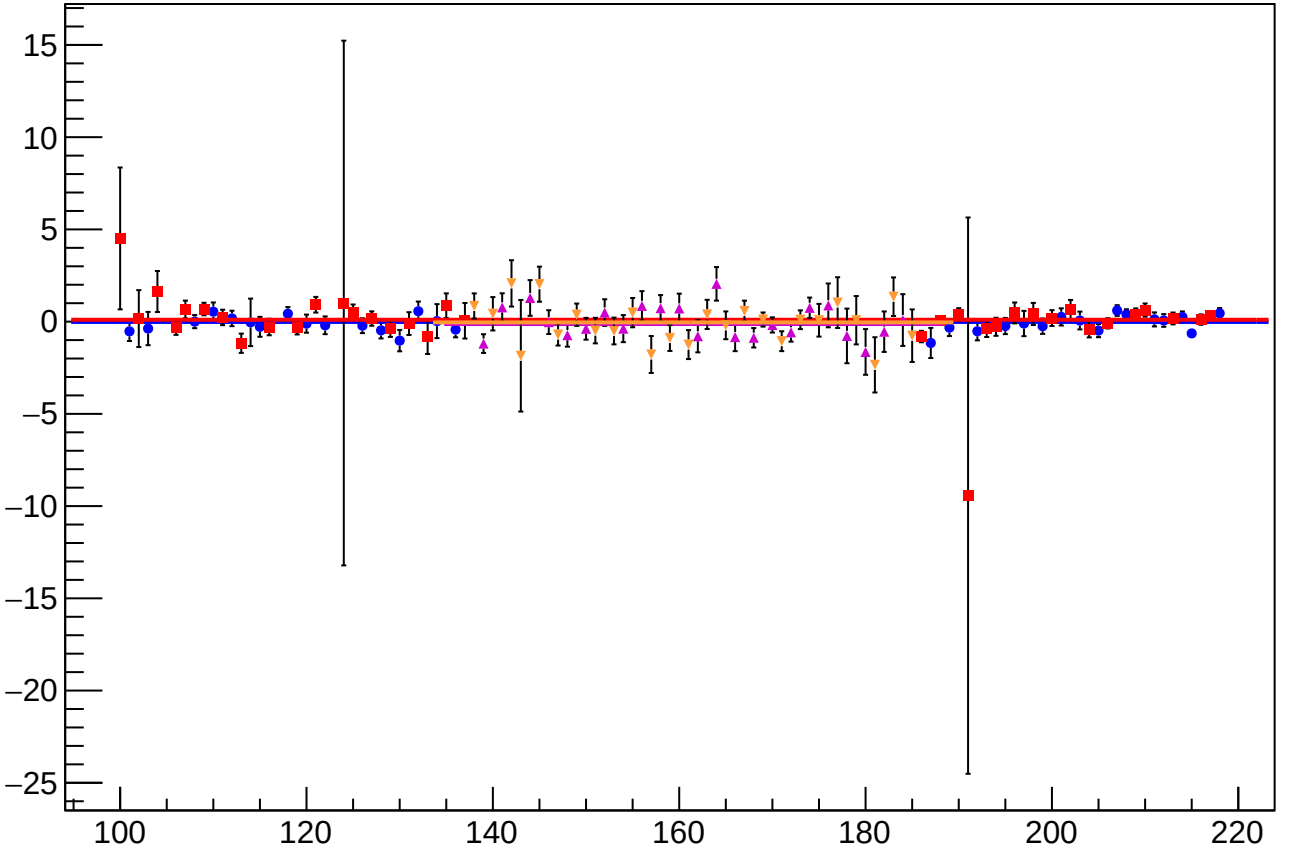
Right: 294.343+/-0.035 χ^2/NDF: 7633757.7/67

In: 370.308+/-0.046 χ^2/NDF:10787638.8/54

Out: 333.653+/-0.043 χ^2/NDF:17522826.6/60

All: 350.763+/-0.032 χ^2/NDF: 28642092.3/11

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: 0.103+/-0.068 χ^2/NDF: 44.2/35

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

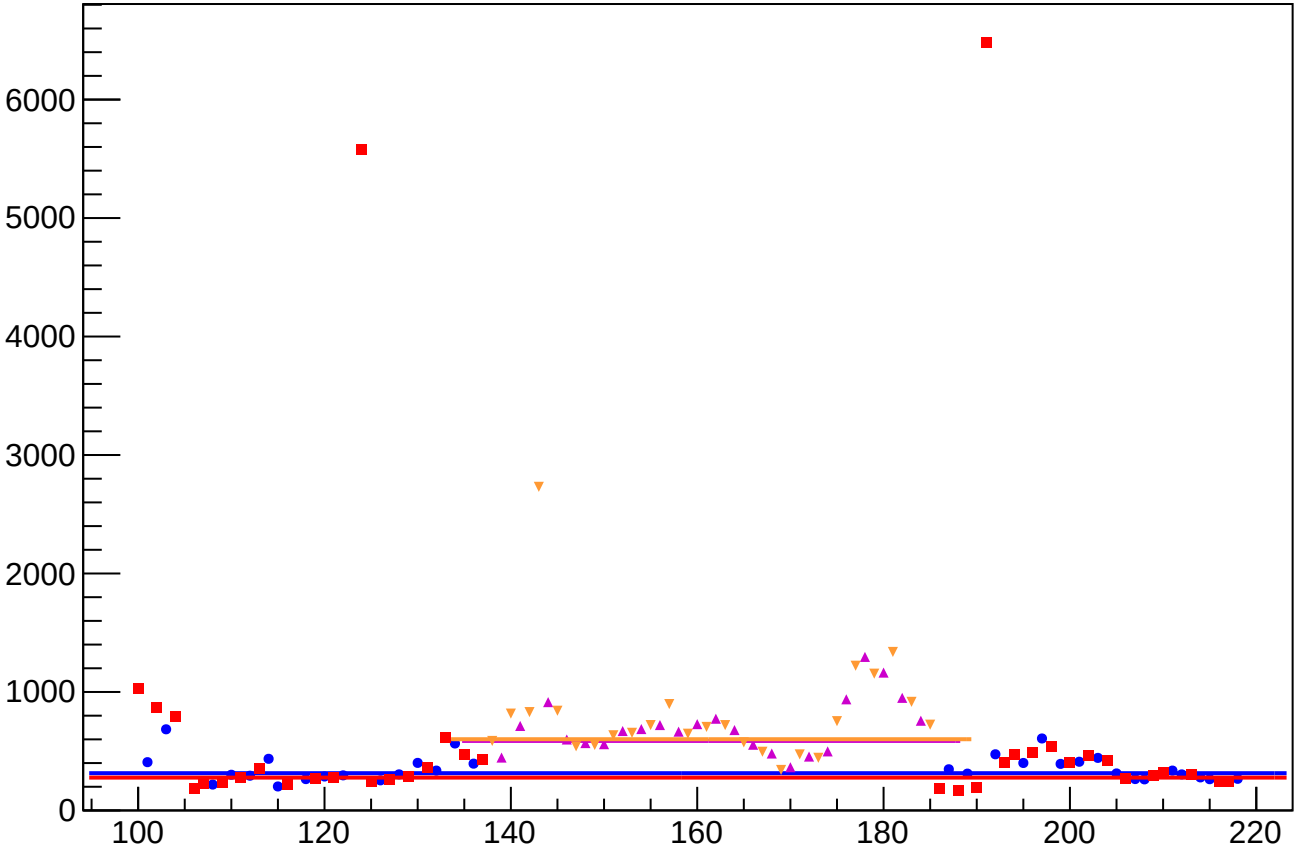
Right: 0.048+/-0.050 χ^2/NDF: 78.1/67

In: -0.039+/-0.066 χ^2/NDF:62.1/54

Out: 0.078+/-0.062 χ^2/NDF:75.1/60

All: 0.023+/-0.045 χ^2/NDF: 138.8/115

asym_at2_avg_eigen_dit_vs_eigen_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: 277.362+/-0.048 χ^2/NDF: 5098446.9/35

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

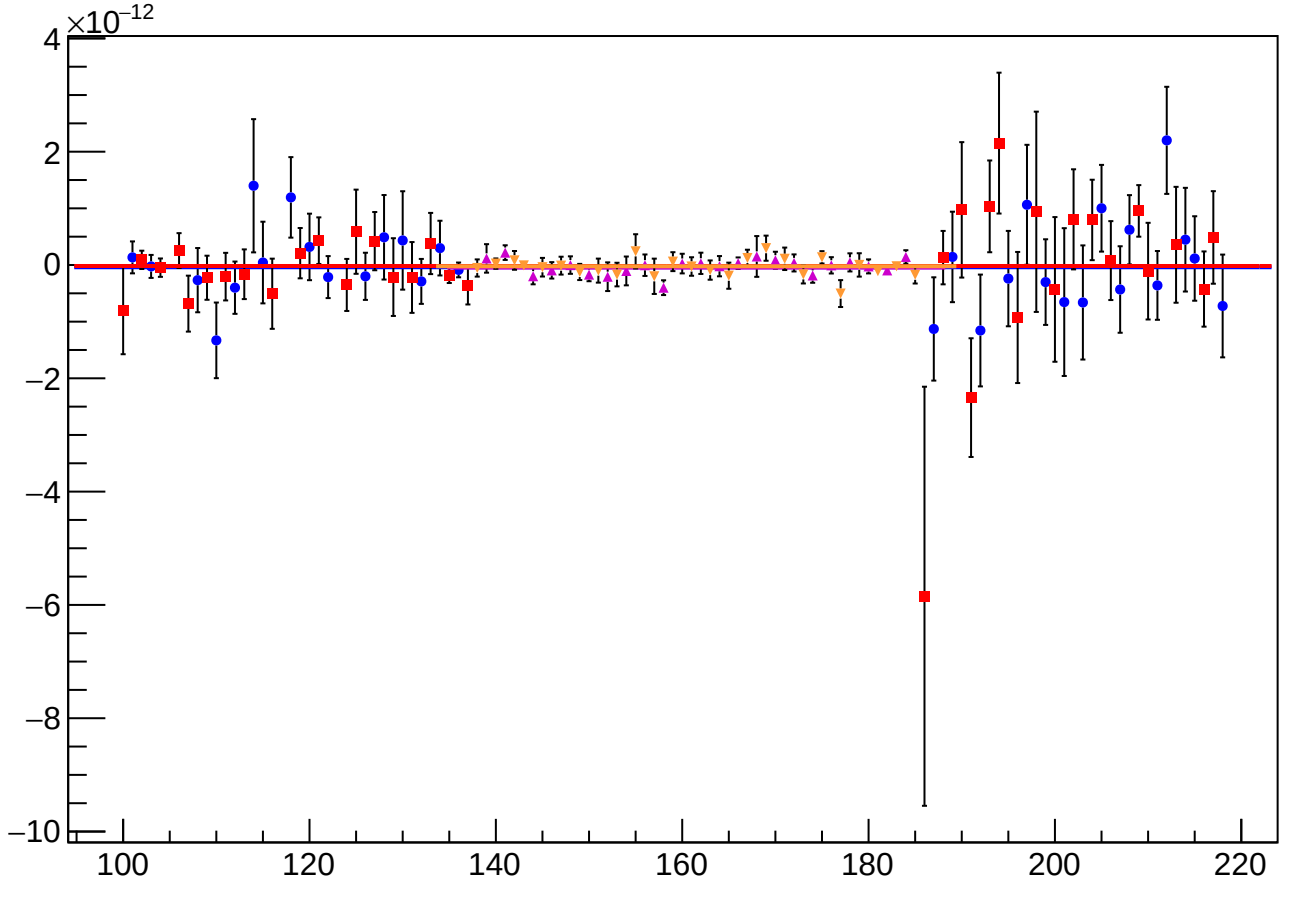
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 294.343+/-0.035 χ^2/NDF: 7633757.7/67

In: 370.308+/-0.046 χ^2/NDF:10787638.8/54

Out: 333.653+/-0.043 χ^2/NDF:17522826.6/60

All: 350.763+/-0.032 χ^2/NDF: 28642092.3/11



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: 33.4/35

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

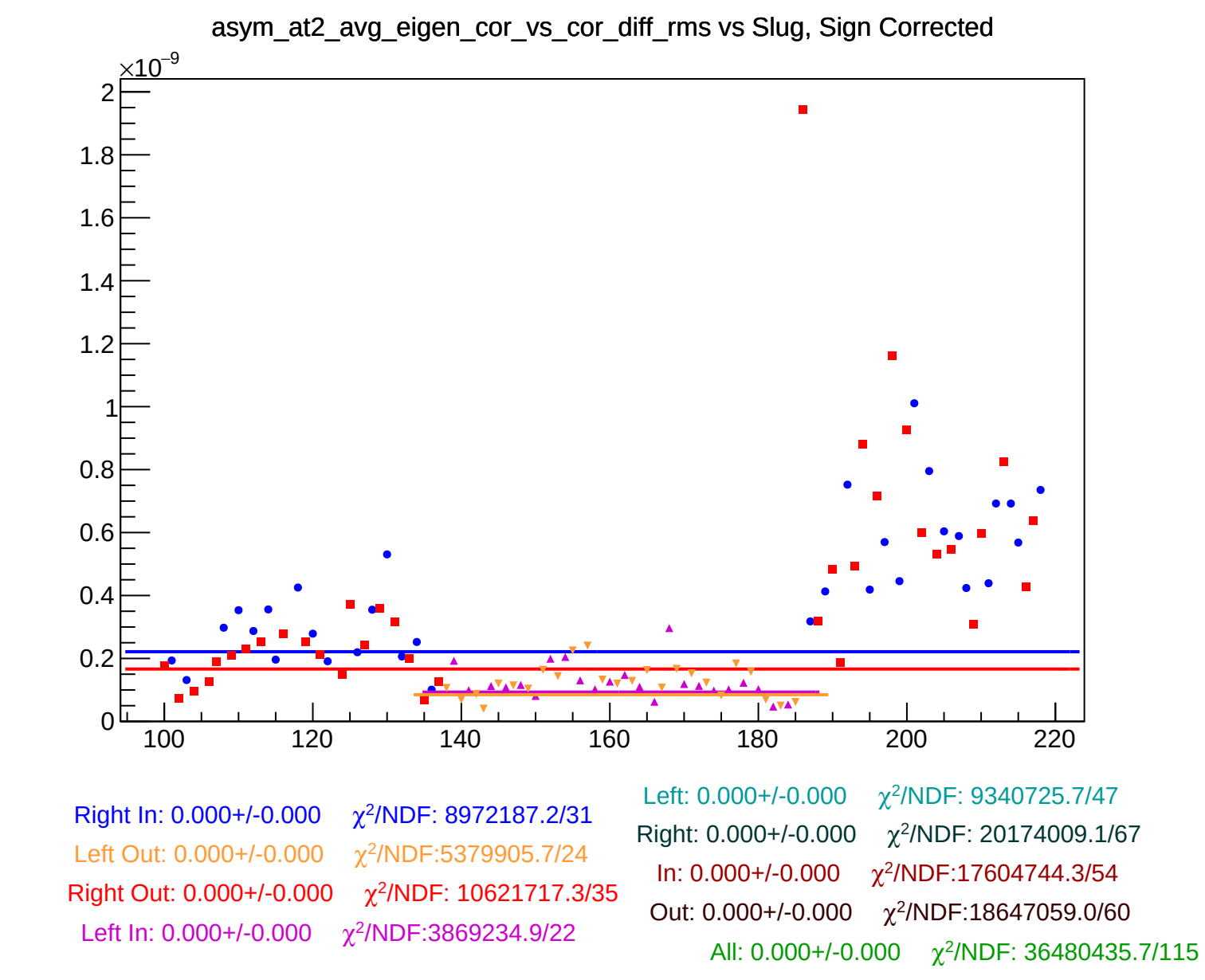
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

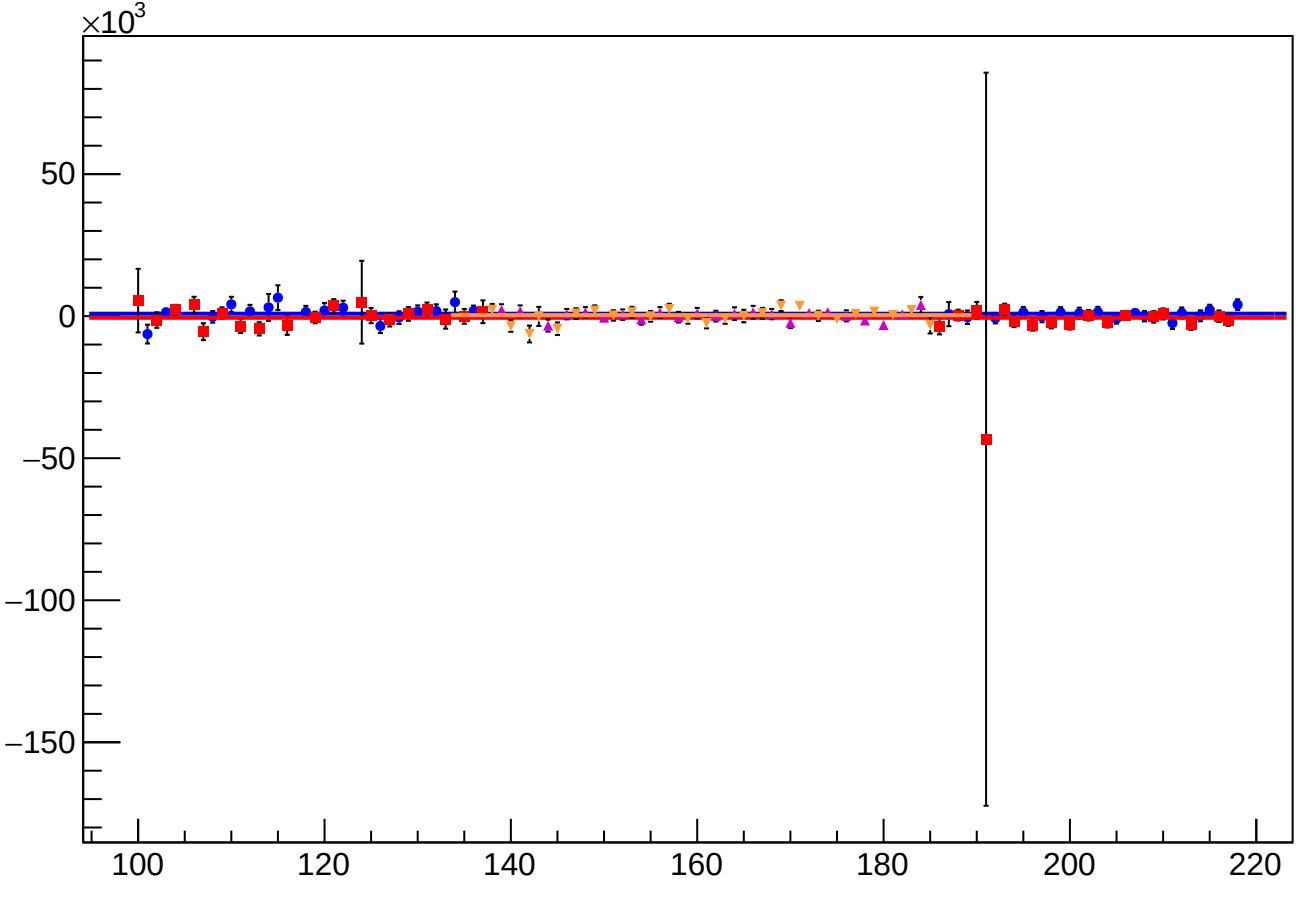
Right: -0.000+/-0.000 χ^2/NDF: 60.1/67

In: -0.000+/-0.000 χ^2/NDF:48.7/54

Out: -0.000+/-0.000 χ^2/NDF:49.8/60

All: -0.000+/-0.000 χ^2/NDF: 98.8/115


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: 10621717.3/35
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: 20174009.1/67
In: 0.000+/-0.000 χ²/NDF:17604744.3/54
Out: 0.000+/-0.000 χ²/NDF:18647059.0/60
All: 0.000+/-0.000 χ²/NDF: 36480435.7/115



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: -574.362+/-381.232 χ^2/NDF: 31.3/35

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

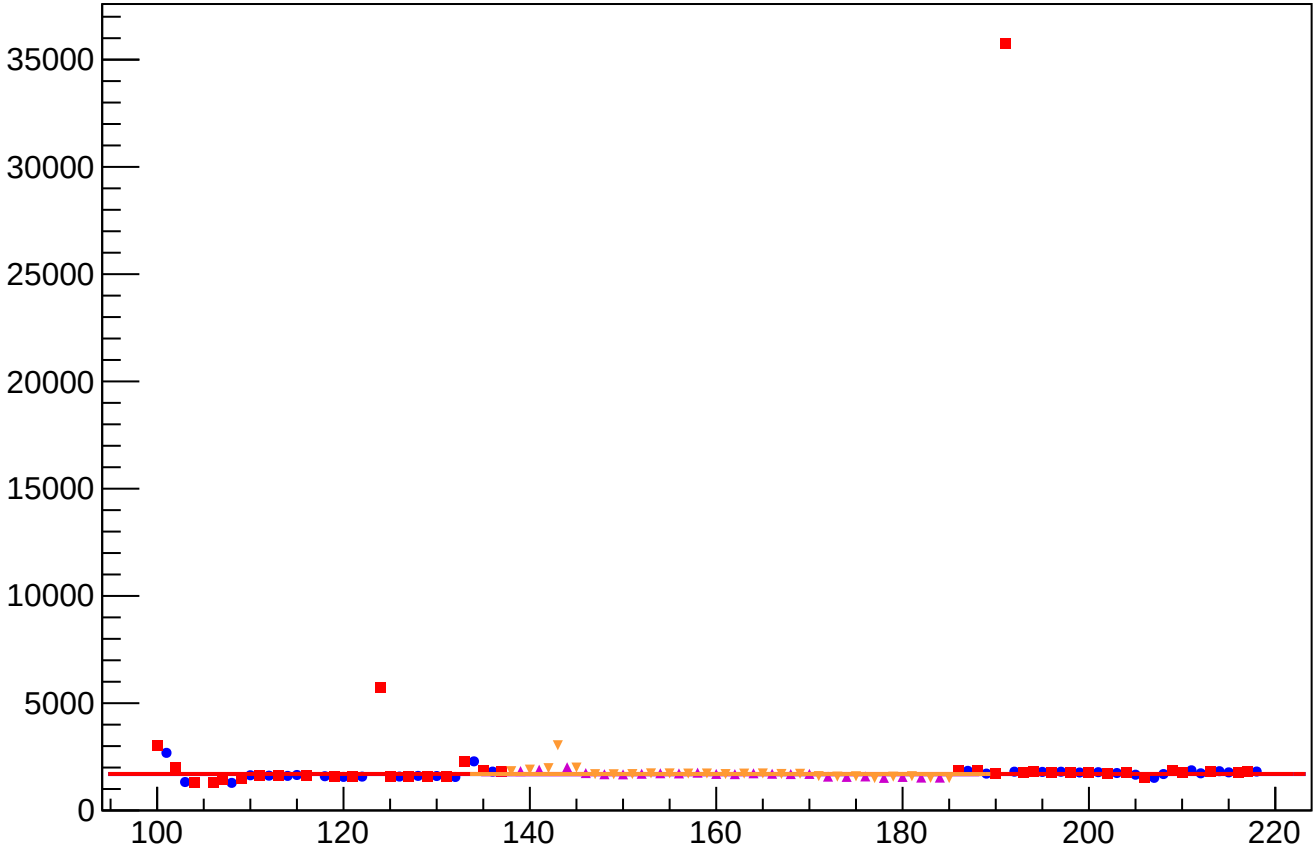
Right: 150.164+/-269.202 χ^2/NDF: 61.8/67

In: 526.838+/-273.672 χ^2/NDF:41.0/54

Out: -114.751+/-271.978 χ^2/NDF:63.9/60

All: 204.052+/-192.914 χ^2/NDF: 107.7/115

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: 1702.153+/-0.270 χ^2/NDF: 732081.2/35

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

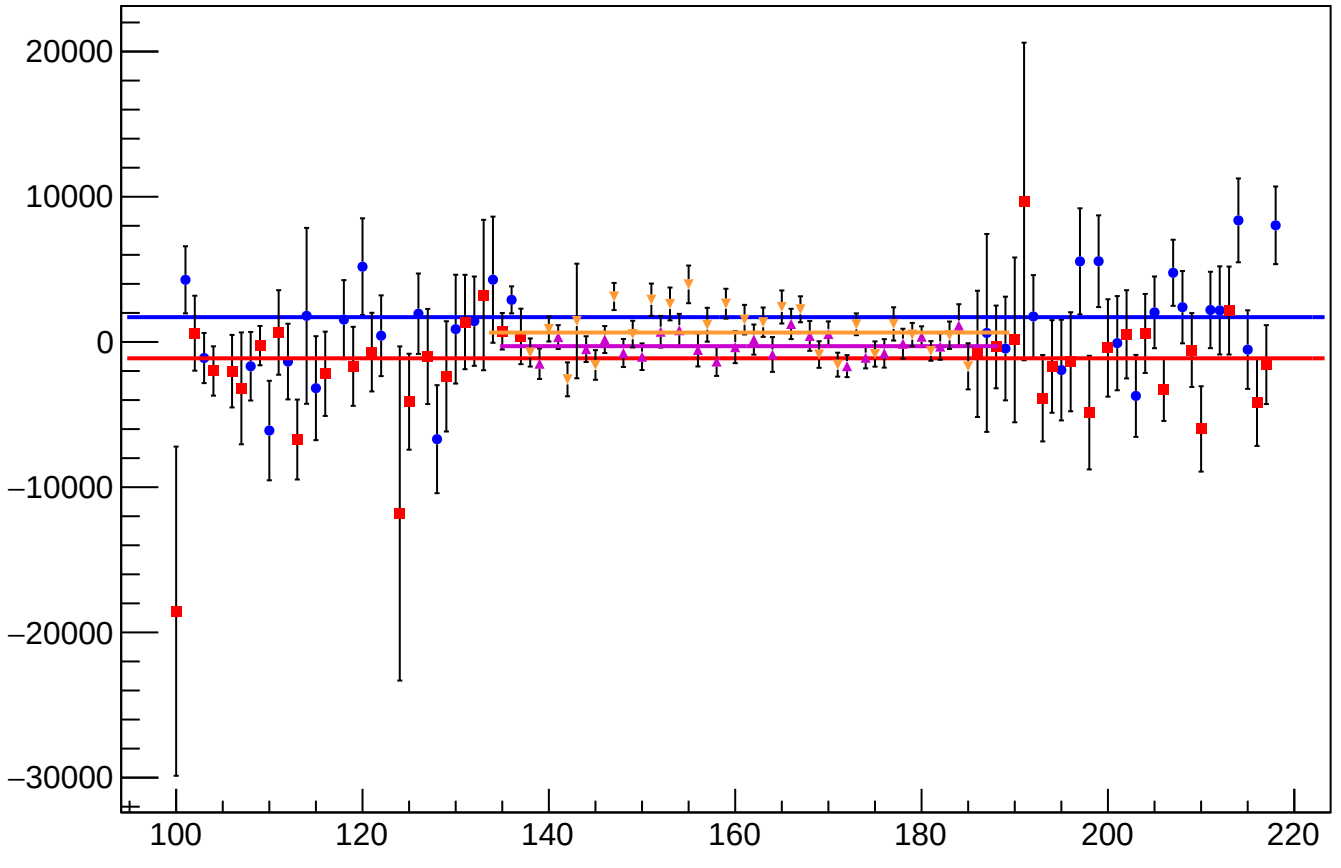
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1699.256+/-0.190 χ^2/NDF: 1263777.4/67

In: 1690.690+/-0.194 χ^2/NDF:697749.7/54

Out: 1699.866+/-0.192 χ^2/NDF:1227625.6/60

All: 1695.307+/-0.136 χ^2/NDF: 1926506.4/11



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: -1124.609+/-448.381 χ^2/NDF: 24.2/35

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

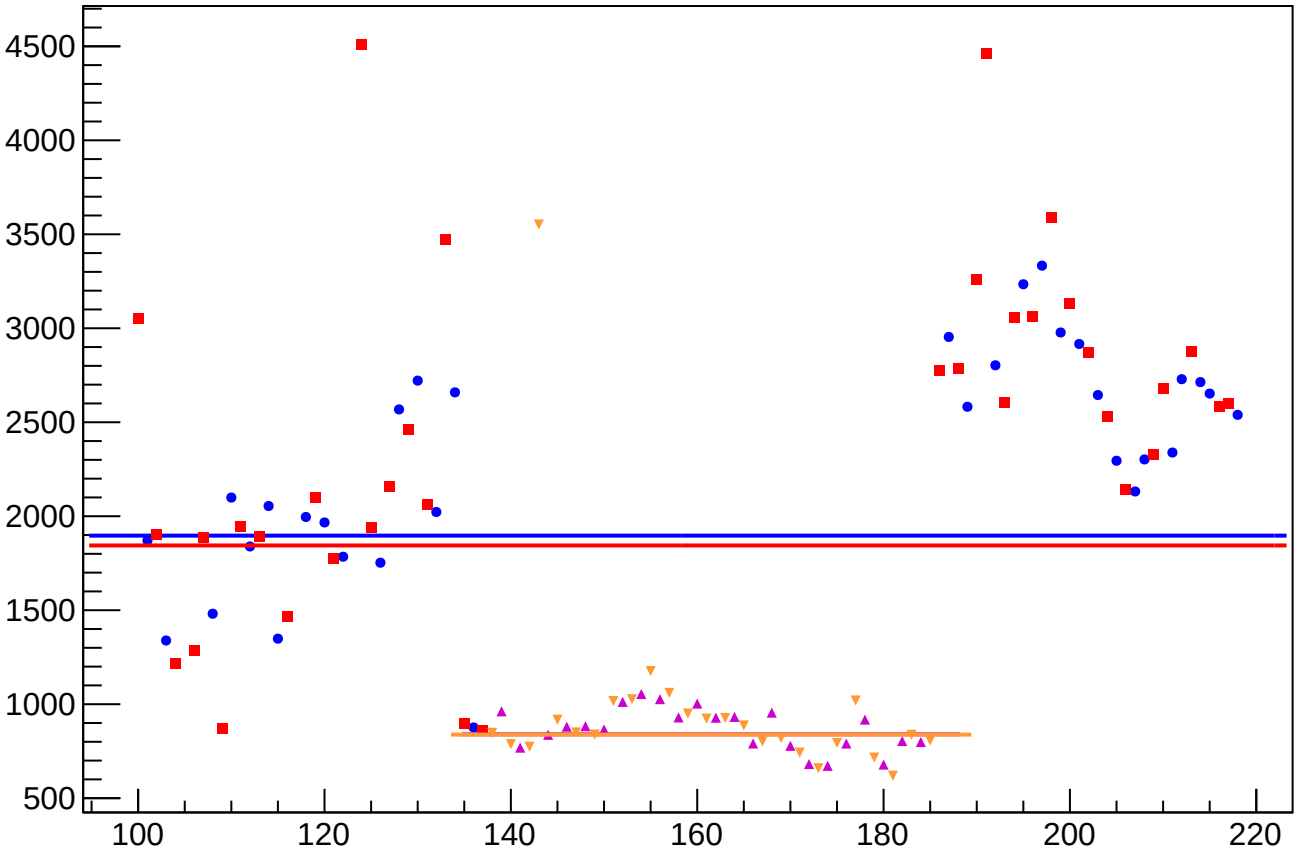
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 274.703+/-319.008 χ^2/NDF: 88.4/67

In: 32.014+/-181.869 χ^2/NDF:77.3/54

Out: 365.407+/-179.338 χ^2/NDF:102.9/60

All: 201.046+/-127.696 χ^2/NDF: 181.9/115



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: 1844.556+/-0.317 χ^2/NDF: 6595018.7/35

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

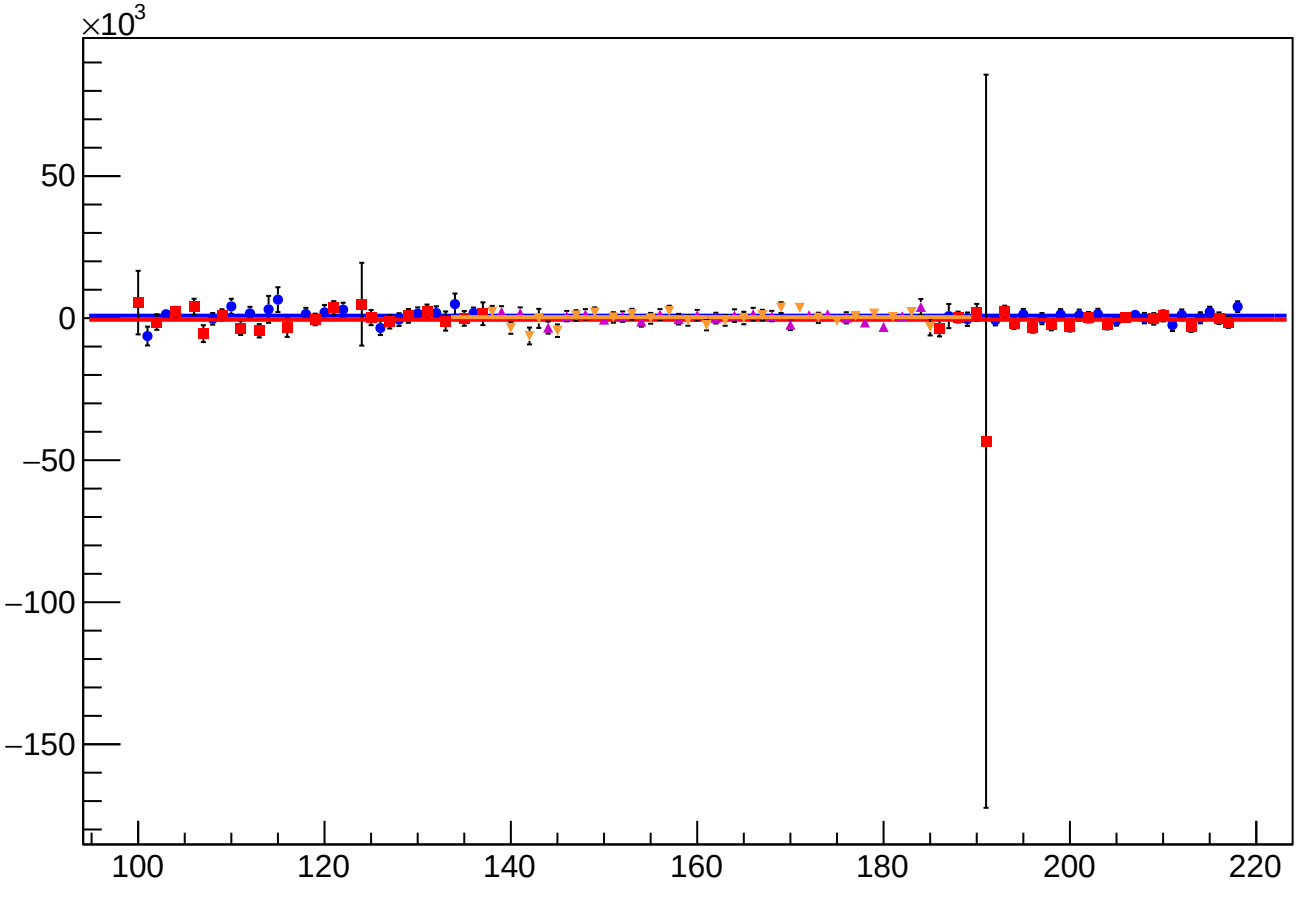
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1870.360+/-0.226 χ^2/NDF: 11849425.6/67

In: 1009.598+/-0.129 χ^2/NDF:15009984.4/54

Out: 999.227+/-0.127 χ^2/NDF:16857706.2/60

All: 1004.340+/-0.090 χ^2/NDF: 31870988.2/



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: -574.461+/-381.232 χ^2/NDF: 31.3/35

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

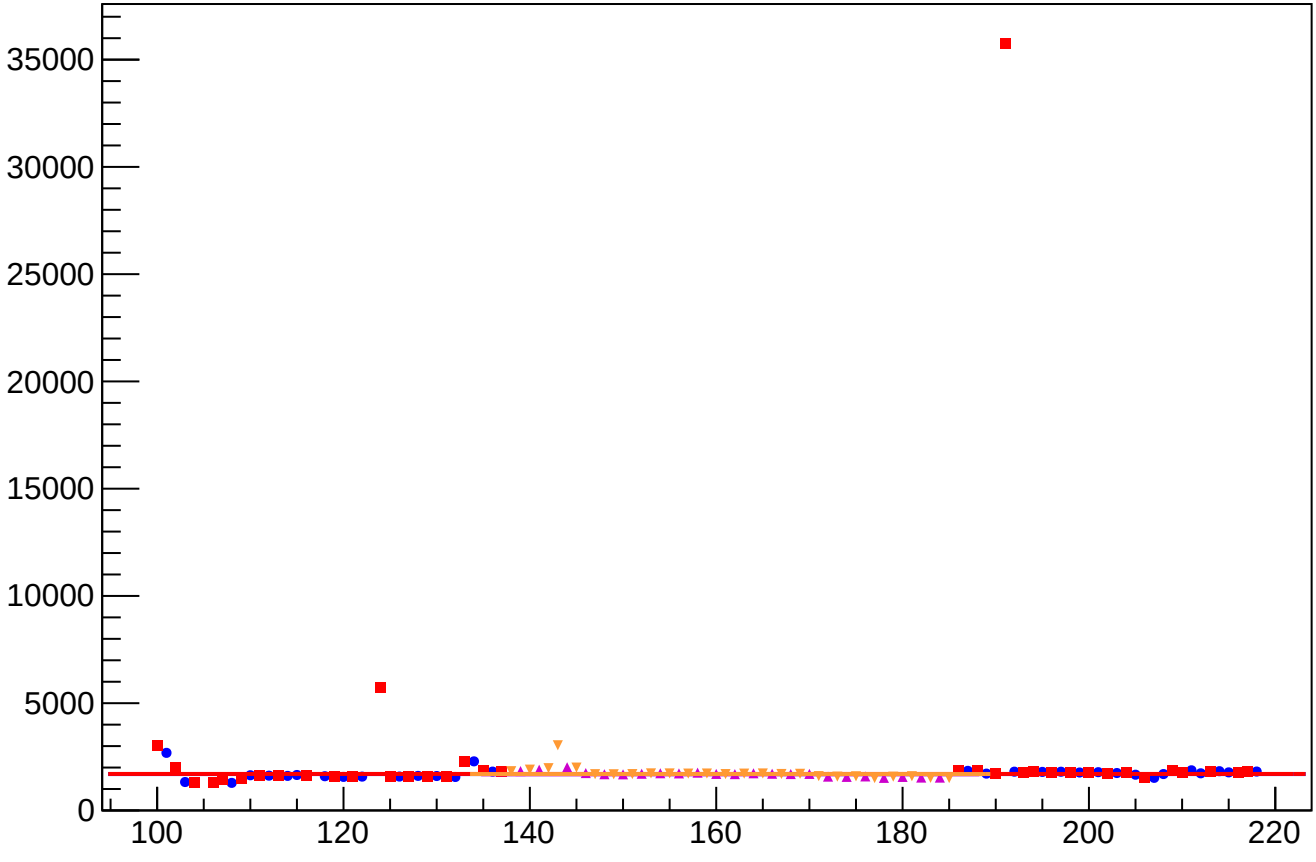
Right: 150.135+/-269.202 χ^2/NDF: 61.8/67

In: 526.815+/-273.672 χ^2/NDF:41.0/54

Out: -114.843+/-271.978 χ^2/NDF:63.9/60

All: 203.994+/-192.914 χ^2/NDF: 107.7/115

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: 1702.153+/-0.270 χ^2/NDF: 732081.3/35

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

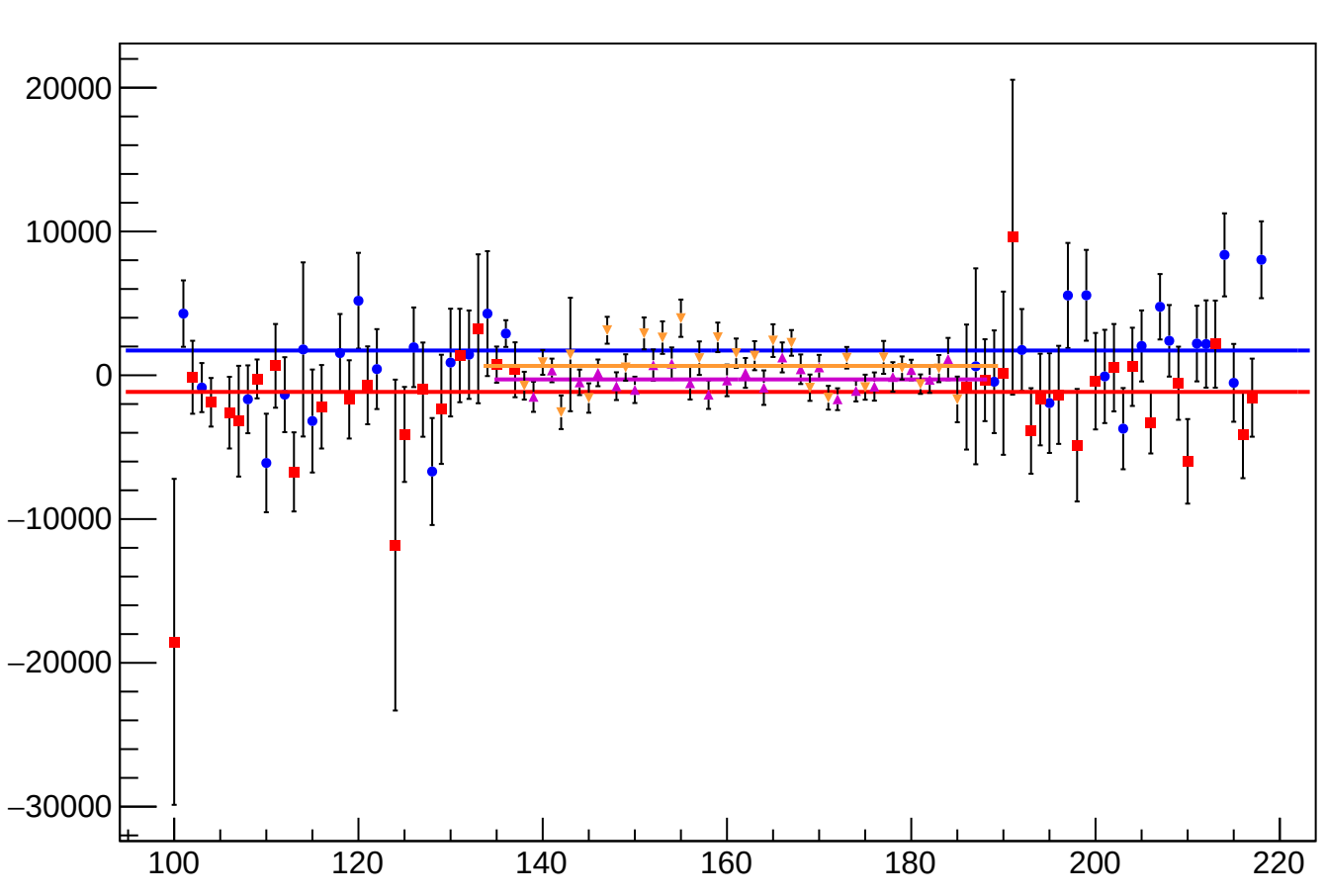
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1699.256+/-0.190 χ^2/NDF: 1263777.9/67

In: 1690.690+/-0.194 χ^2/NDF:697750.0/54

Out: 1699.866+/-0.192 χ^2/NDF:1227625.8/60

All: 1695.307+/-0.136 χ^2/NDF: 1926506.8/11



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: -1157.677+/-447.979 χ^2/NDF: 24.1/35

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

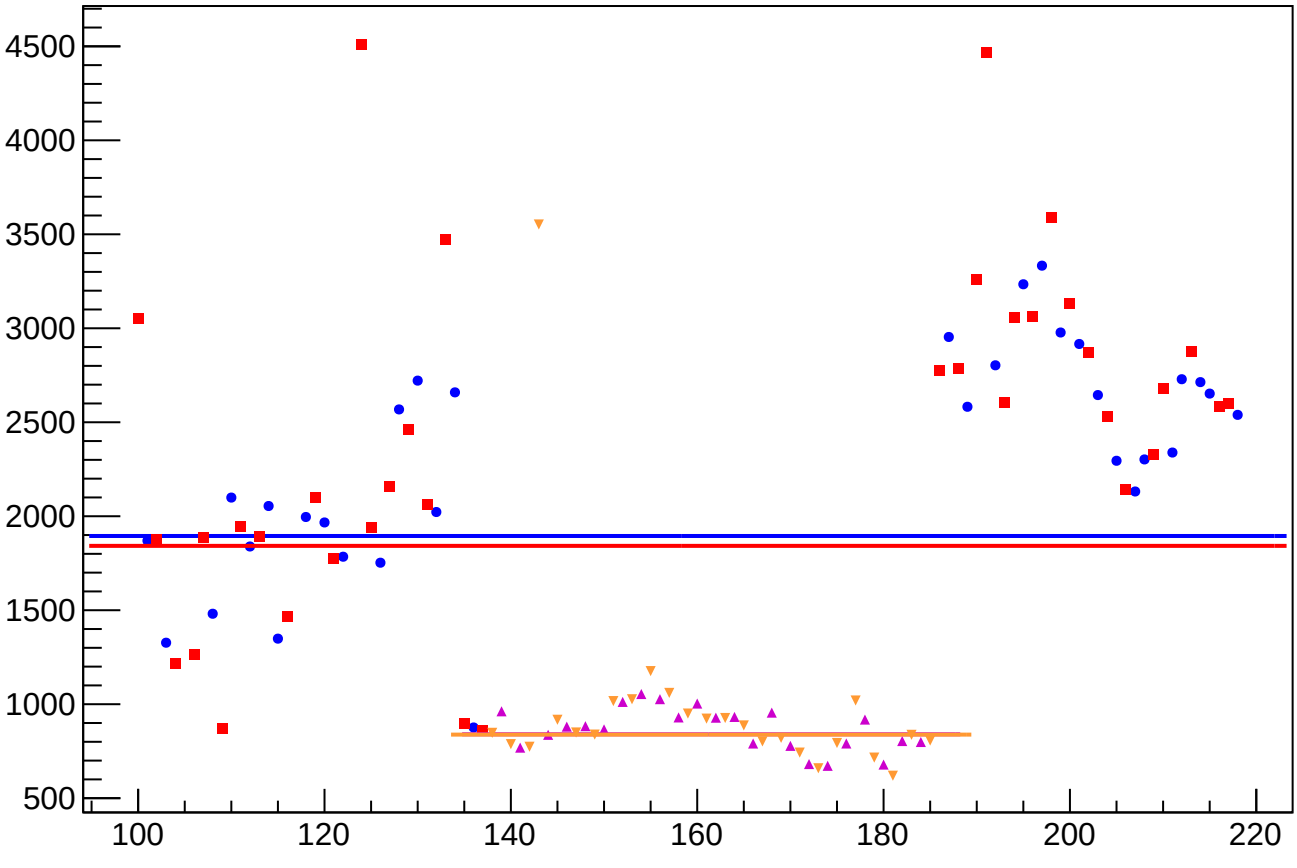
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 264.440+/-318.726 χ^2/NDF: 88.6/67

In: 34.615+/-181.843 χ^2/NDF:77.1/54

Out: 359.676+/-179.314 χ^2/NDF:103.2/60

All: 199.422+/-127.679 χ^2/NDF: 182.0/115



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: 1842.401+/-0.317 χ^2/NDF: 6607083.3/35

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

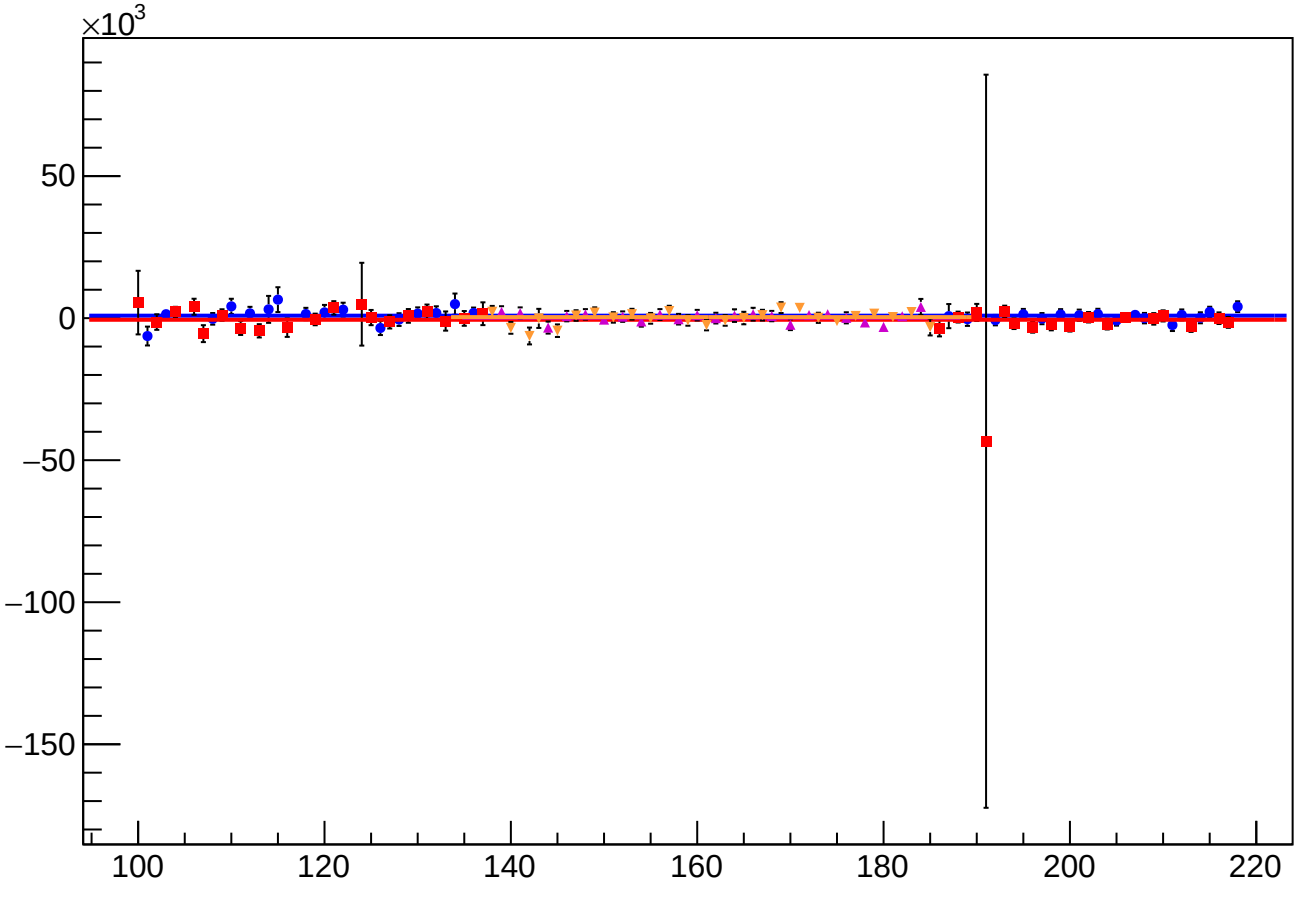
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1868.371+/-0.225 χ^2/NDF: 11875884.0/67

In: 1009.557+/-0.129 χ^2/NDF:15006149.6/54

Out: 999.137+/-0.127 χ^2/NDF:16845914.7/60

All: 1004.274+/-0.090 χ^2/NDF: 31855394.3/1



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: -574.461+/-381.232 χ^2/NDF: 31.3/35

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

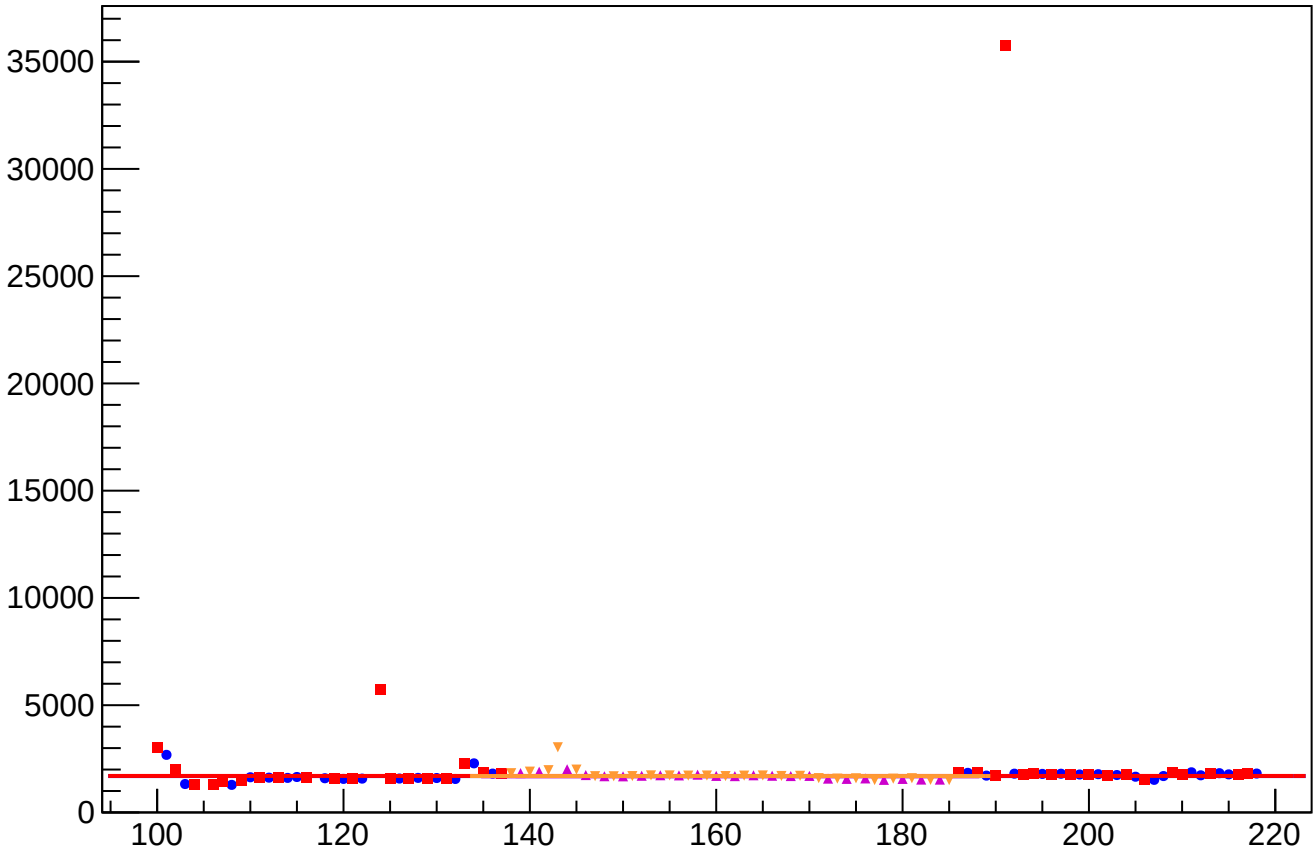
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 150.135+/-269.202 χ^2/NDF: 61.8/67

In: 526.815+/-273.672 χ^2/NDF:41.0/54

Out: -114.843+/-271.978 χ^2/NDF:63.9/60

All: 203.994+/-192.914 χ^2/NDF: 107.7/115



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: 1702.153+/-0.270 χ^2/NDF: 732081.3/35

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

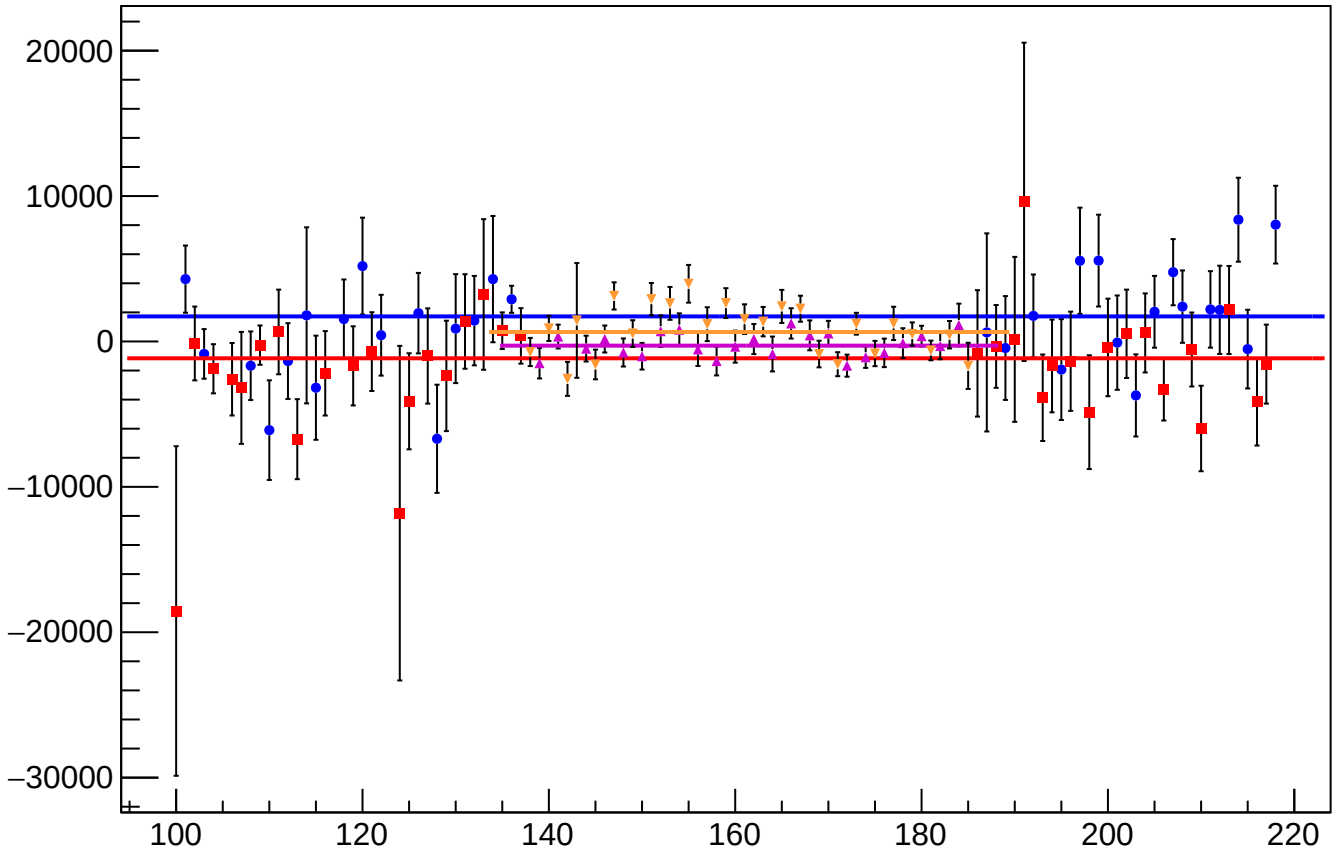
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1699.256+/-0.190 χ^2/NDF: 1263777.9/67

In: 1690.690+/-0.194 χ^2/NDF:697750.0/54

Out: 1699.866+/-0.192 χ^2/NDF:1227625.8/60

All: 1695.307+/-0.136 χ^2/NDF: 1926506.8/11



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: -1157.677+/-447.979 χ^2/NDF: 24.1/35

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

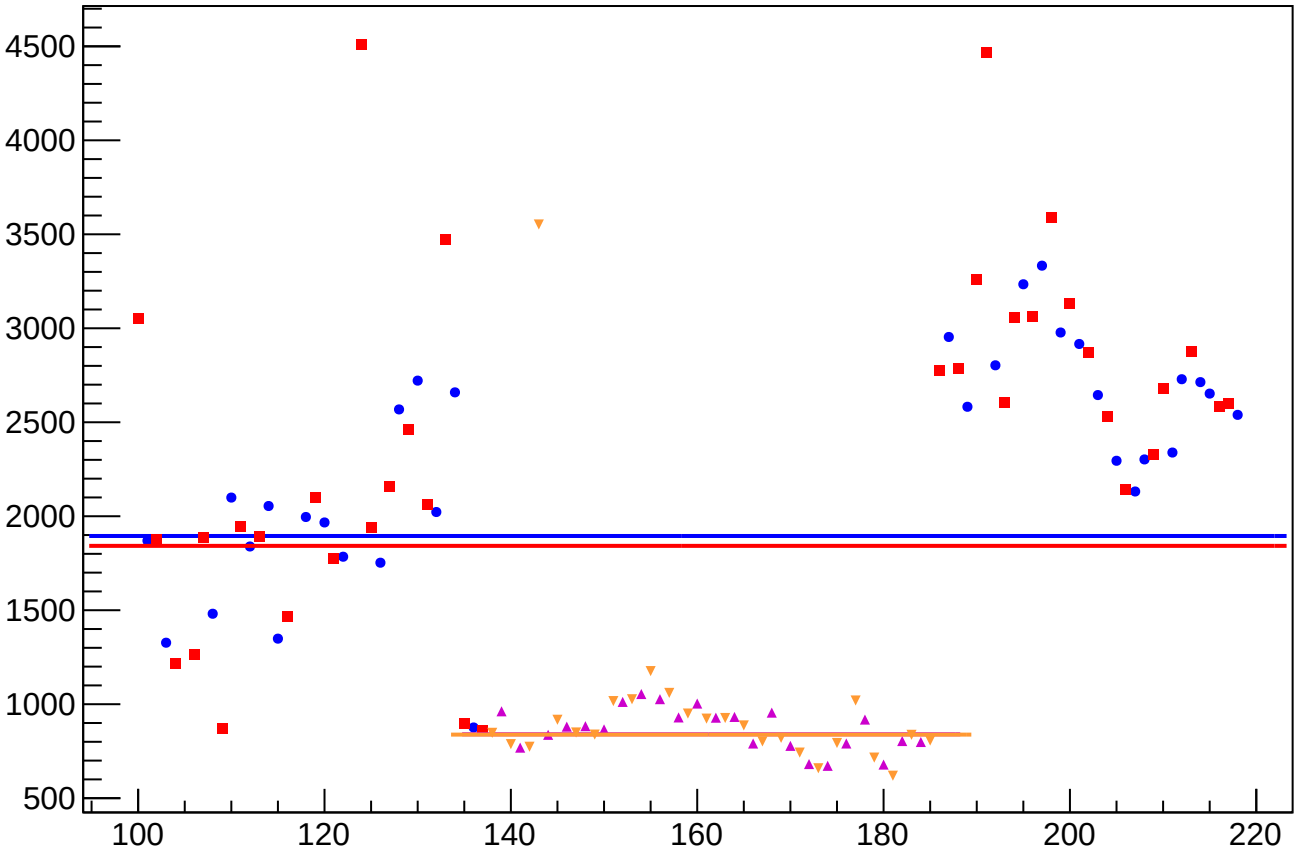
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 264.440+/-318.726 χ^2/NDF: 88.6/67

In: 34.615+/-181.843 χ^2/NDF:77.1/54

Out: 359.676+/-179.314 χ^2/NDF:103.2/60

All: 199.422+/-127.679 χ^2/NDF: 182.0/115



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: 1842.401+/-0.317 χ^2/NDF: 6607083.3/35

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

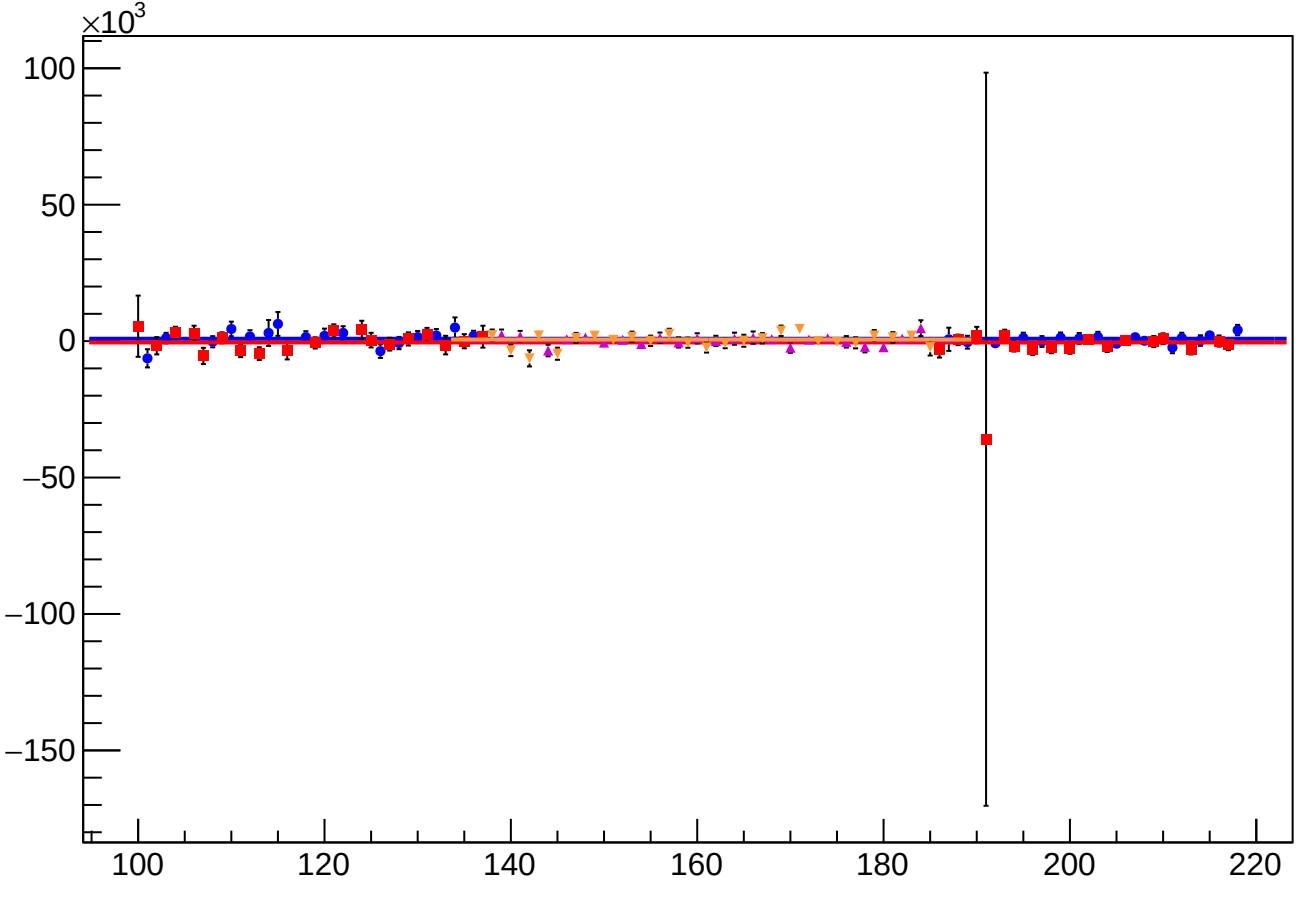
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1868.371+/-0.225 χ^2/NDF: 11875884.0/67

In: 1009.557+/-0.129 χ^2/NDF:15006149.6/54

Out: 999.137+/-0.127 χ^2/NDF:16845914.7/60

All: 1004.274+/-0.090 χ^2/NDF: 31855394.3/1



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: -489.649+/-381.697 χ^2/NDF: 33.7/35

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

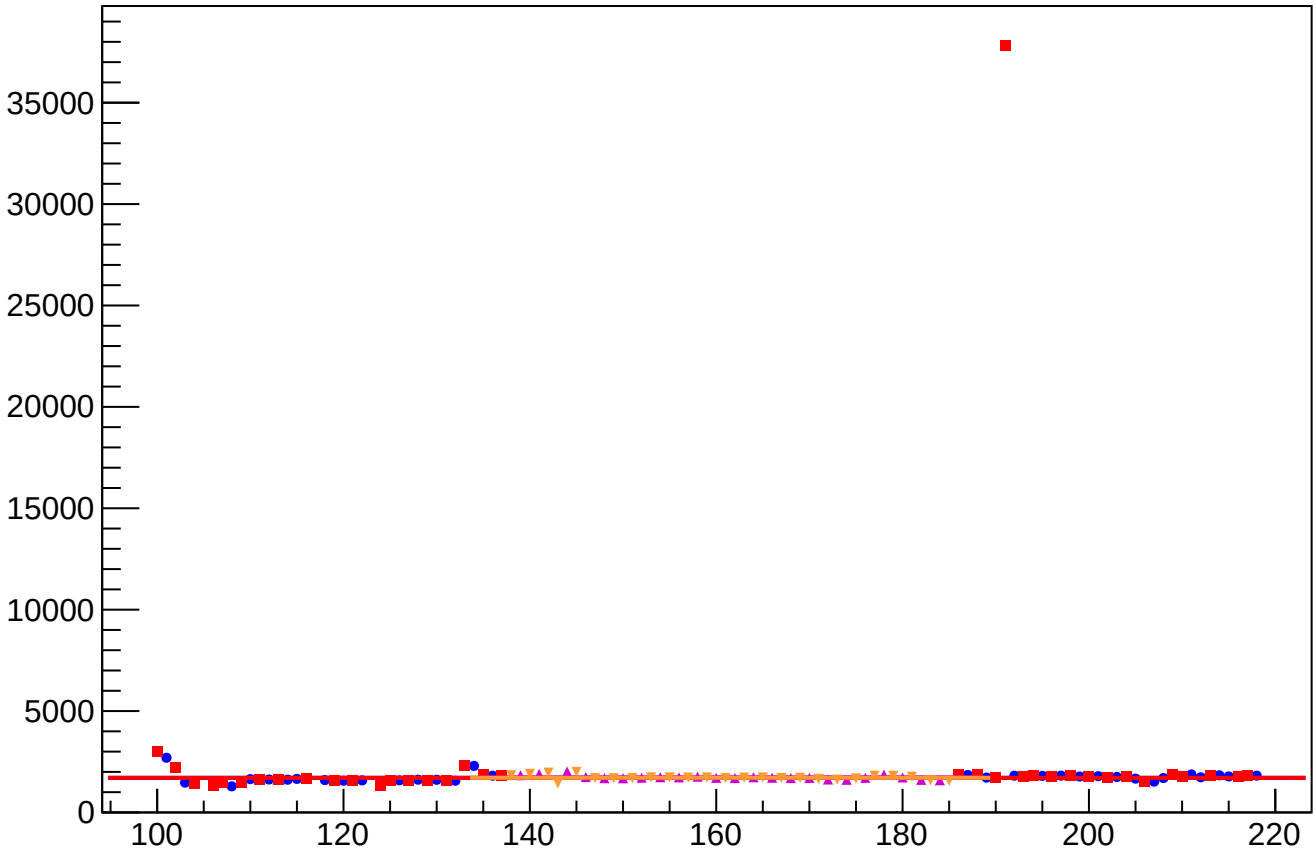
Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

Right: 187.206+/-270.198 χ^2/NDF: 63.8/67

In: 545.097+/-277.804 χ^2/NDF:39.7/54

Out: 34.132+/-272.710 χ^2/NDF:69.5/60

All: 284.886+/-194.611 χ^2/NDF: 110.9/115



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: 1706.863+/-0.270 χ^2/NDF: 590868.9/35

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

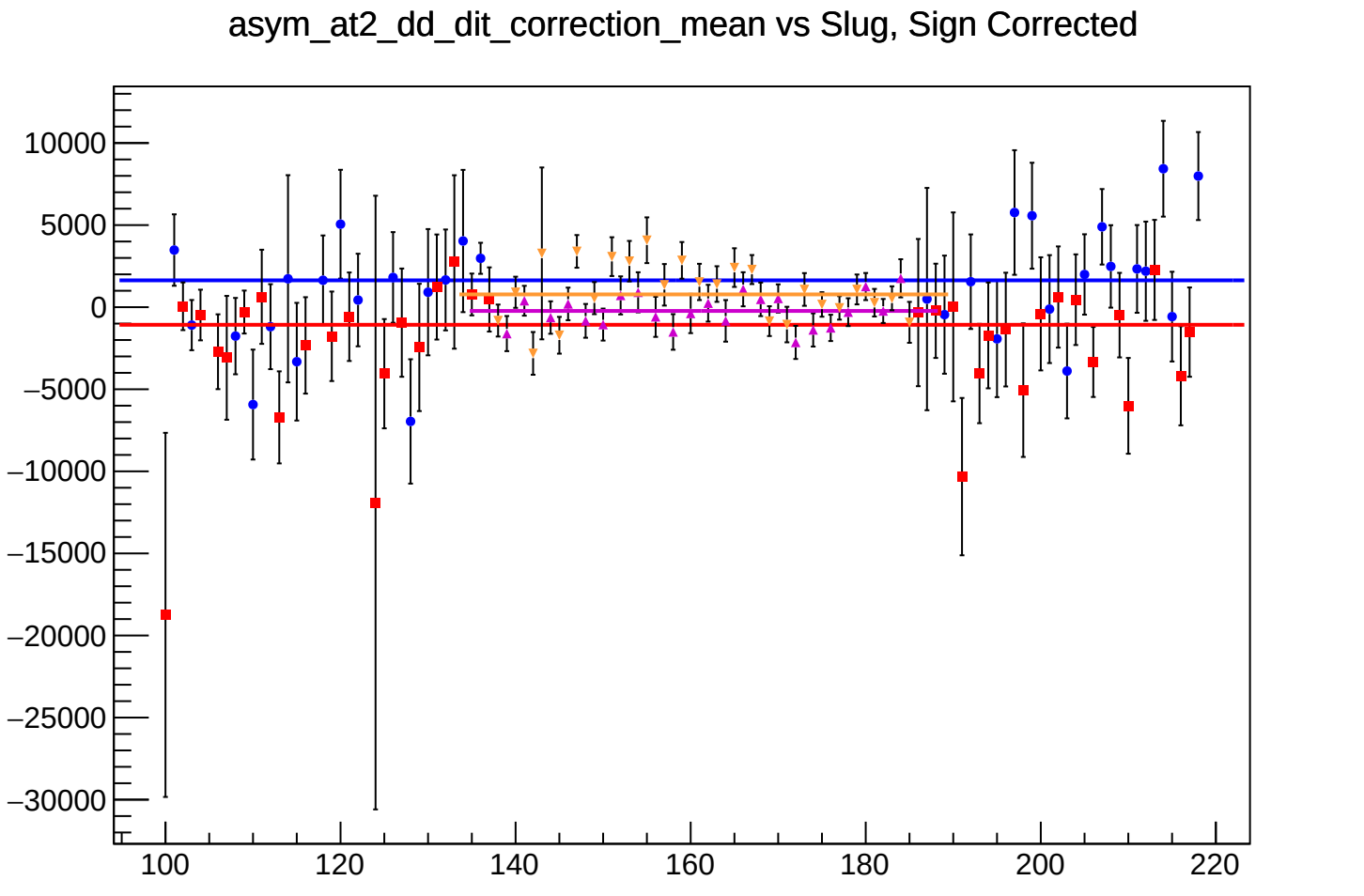
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1707.515+/-0.191 χ^2/NDF: 1062371.4/67

In: 1717.501+/-0.196 χ^2/NDF:574235.0/54

Out: 1709.237+/-0.193 χ^2/NDF:759033.3/60

All: 1713.292+/-0.138 χ^2/NDF: 1334169.7/11



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: -1072.758+/-430.146 χ^2/NDF: 27.0/35

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

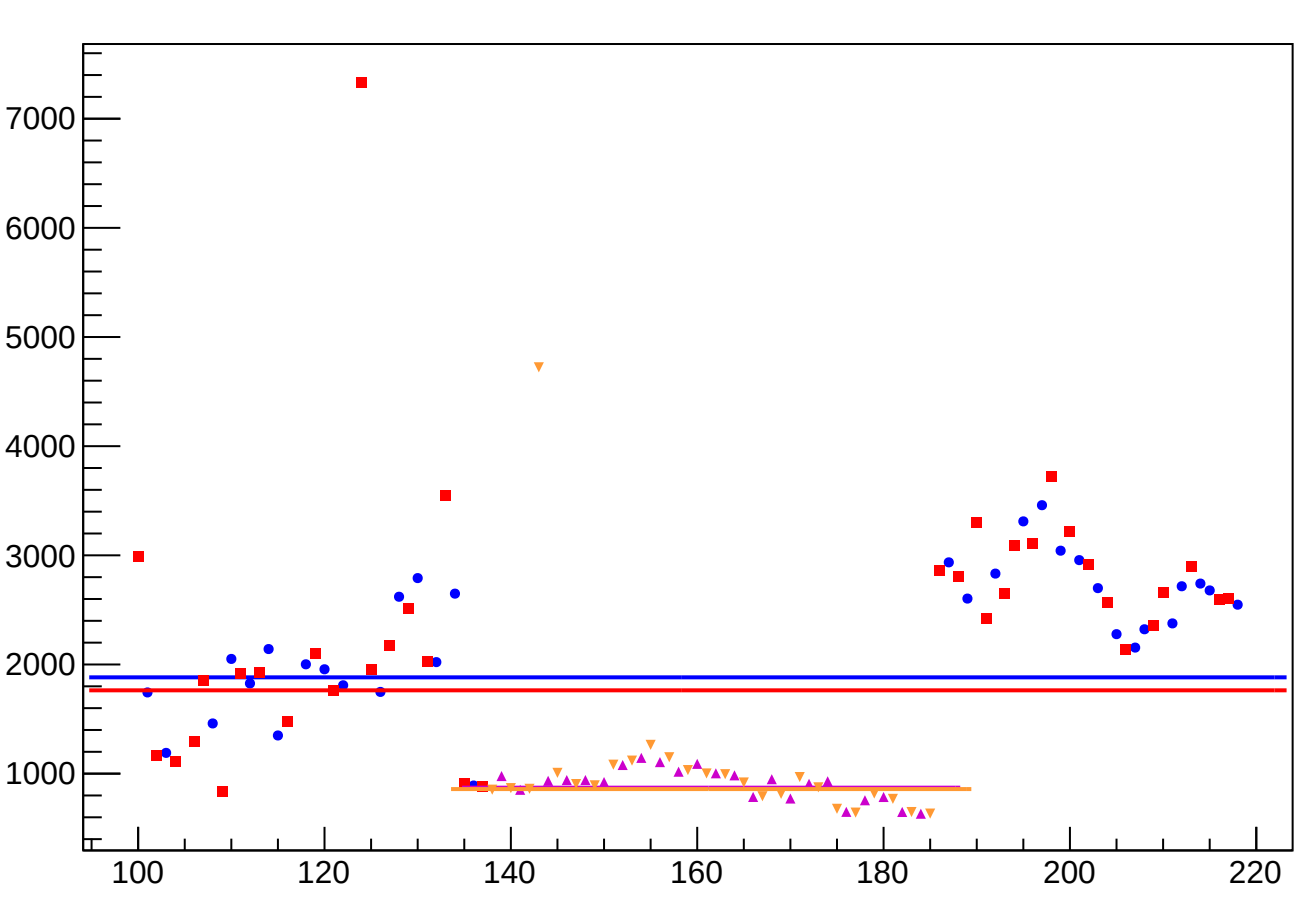
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: 213.496+/-311.634 χ^2/NDF: 90.7/67

In: 93.275+/-187.987 χ^2/NDF:81.6/54

Out: 445.368+/-182.576 χ^2/NDF:96.7/60

All: 274.462+/-130.972 χ^2/NDF: 180.1/115



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: 1763.242+/-0.304 χ^2/NDF: 7328634.2/35

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

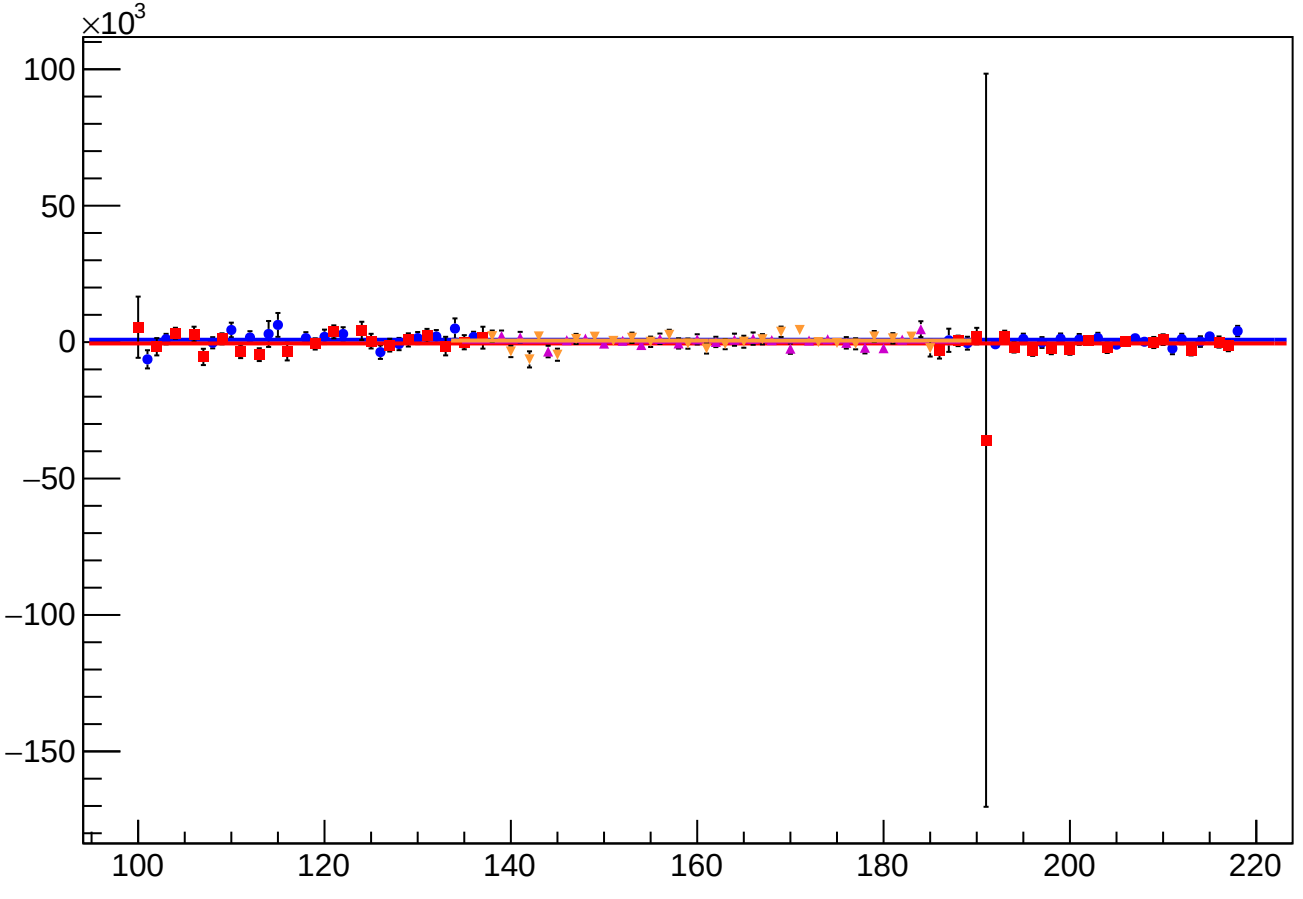
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1819.773+/-0.220 χ^2/NDF: 12875500.4/67

In: 1046.268+/-0.133 χ^2/NDF:14720595.4/54

Out: 1021.573+/-0.129 χ^2/NDF:16860912.4/60

All: 1033.560+/-0.093 χ^2/NDF: 31599268.5/



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: -489.645+/-381.697 χ^2/NDF: 33.7/35

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

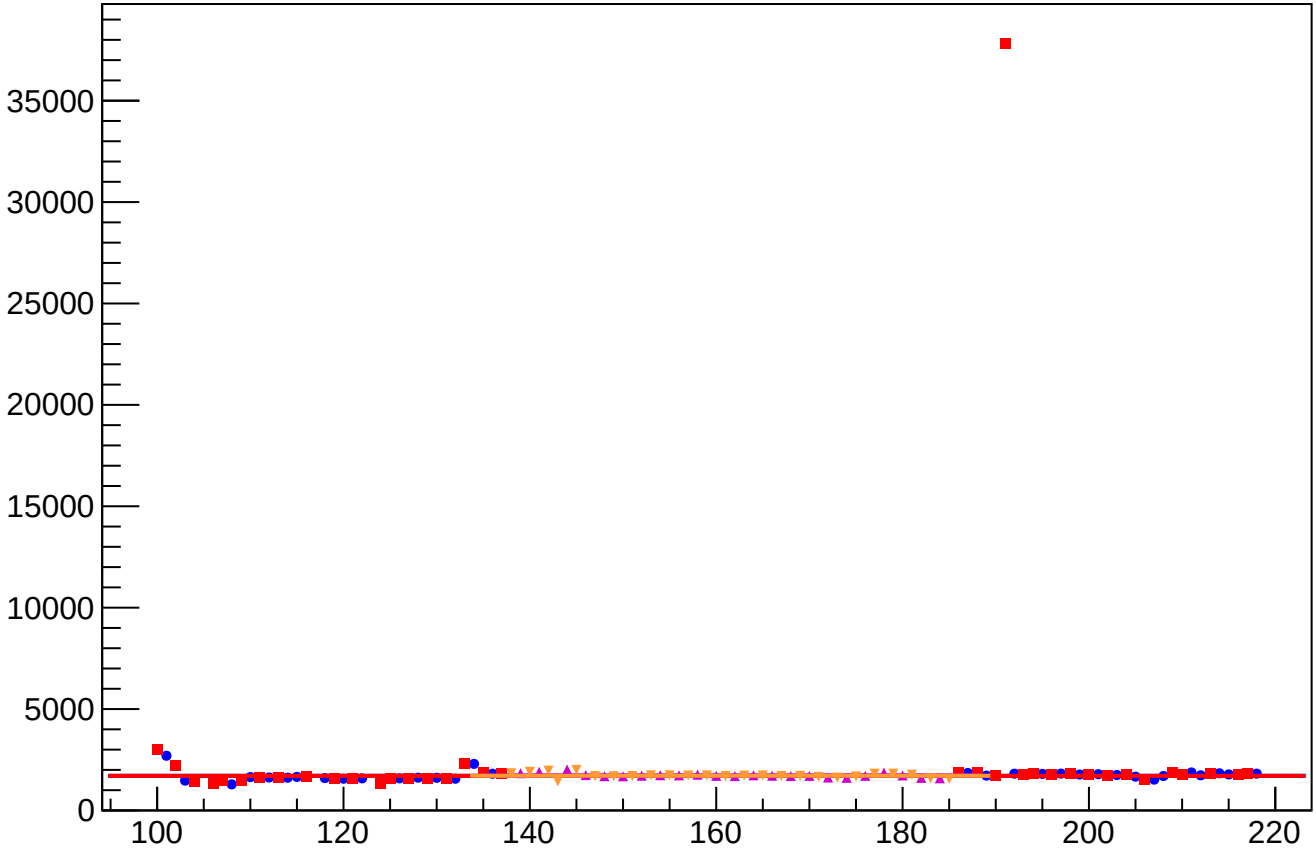
Right: 187.205+/-270.198 χ^2/NDF: 63.8/67

In: 545.093+/-277.804 χ^2/NDF:39.7/54

Out: 34.132+/-272.710 χ^2/NDF:69.5/60

All: 284.884+/-194.611 χ^2/NDF: 110.9/115

eigen_dit_asym_at2_dd_rms vs Slug, Sign Corrected



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: 1706.863+/-0.270 χ^2/NDF: 590869.1/35

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

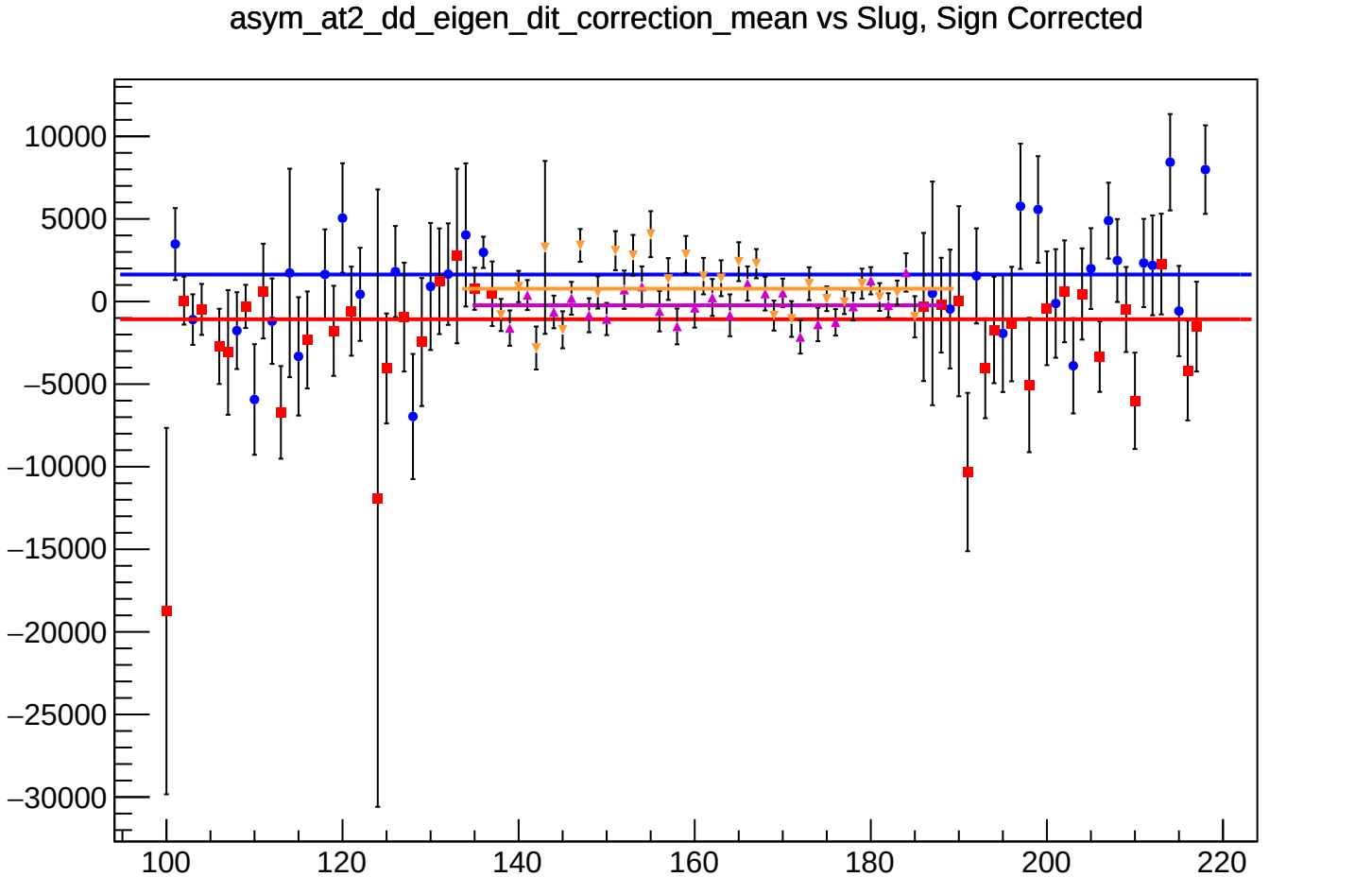
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1707.515+/-0.191 χ^2/NDF: 1062371.5/67

In: 1717.501+/-0.196 χ^2/NDF:574234.7/54

Out: 1709.236+/-0.193 χ^2/NDF:759032.2/60

All: 1713.292+/-0.138 χ^2/NDF: 1334168.4/11



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: -1072.769+/-430.148 χ^2/NDF: 27.0/35

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

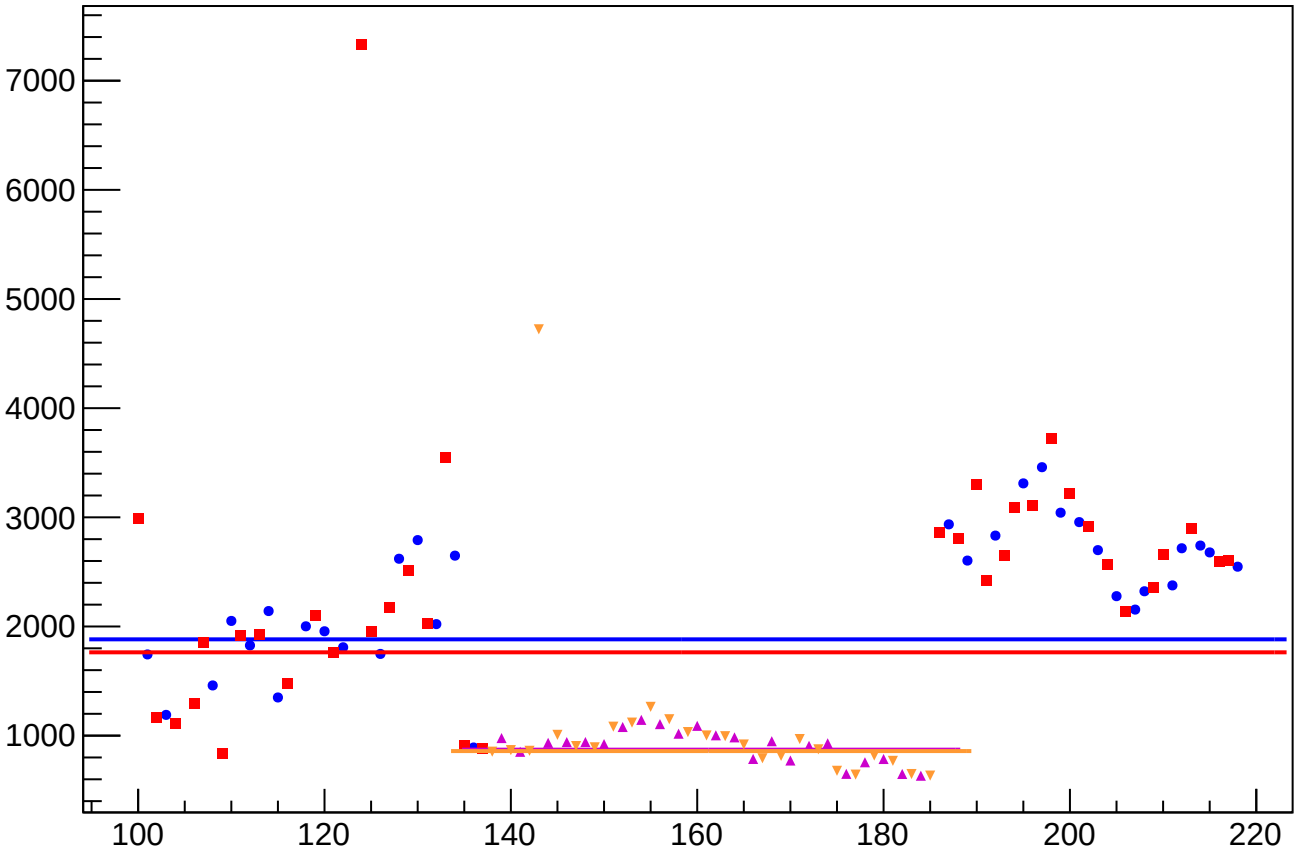
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 213.493+/-311.635 χ^2/NDF: 90.7/67

In: 93.274+/-187.987 χ^2/NDF:81.6/54

Out: 445.371+/-182.576 χ^2/NDF:96.7/60

All: 274.463+/-130.972 χ^2/NDF: 180.1/115



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: 1763.255+/-0.304 χ^2/NDF: 7328467.0/35

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

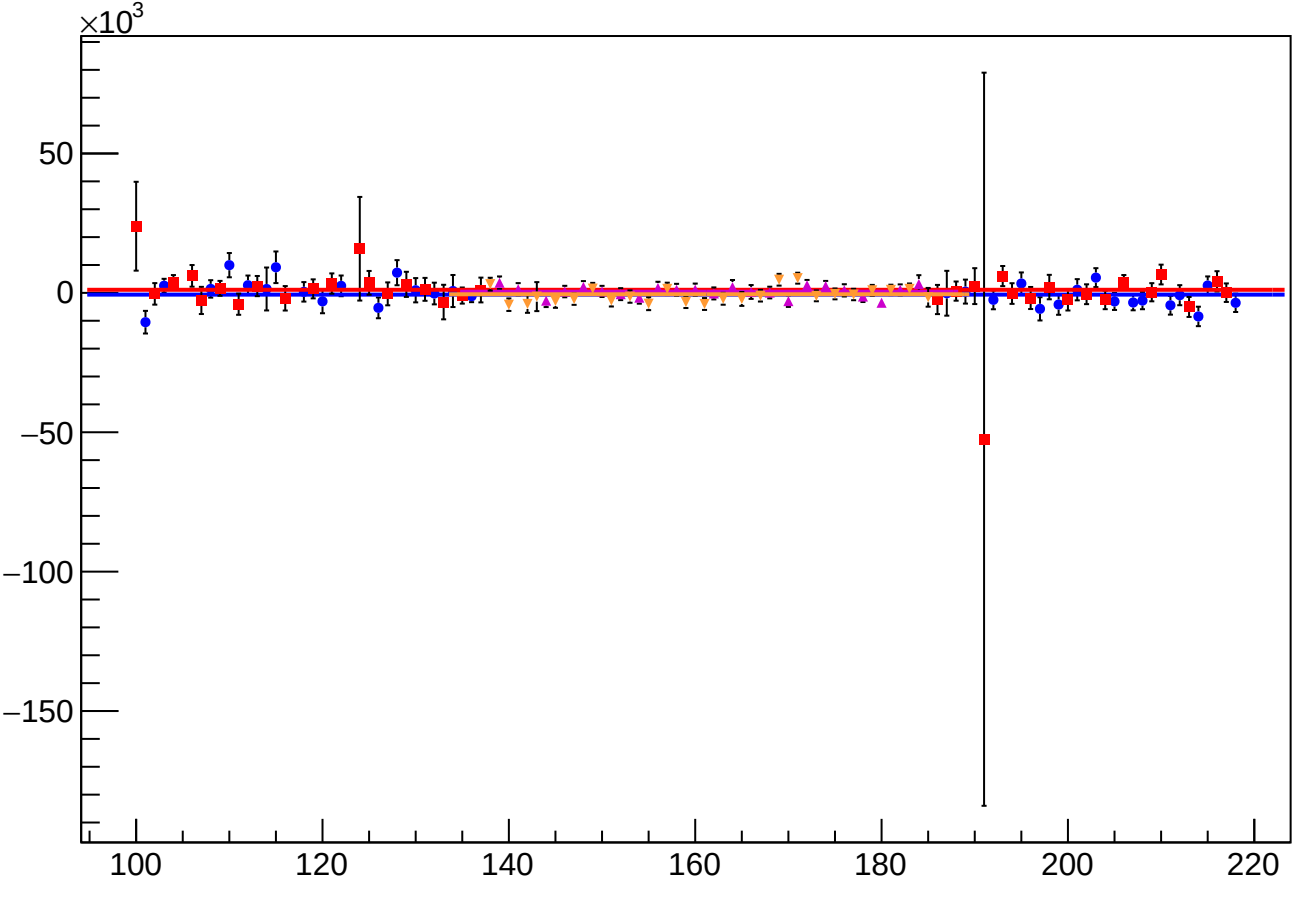
Right: 1819.786+/-0.220 χ^2/NDF: 12875128.4/67

In: 1046.268+/-0.133 χ^2/NDF:14720570.8/54

Out: 1021.574+/-0.129 χ^2/NDF:16860888.0/60

All: 1033.561+/-0.093 χ^2/NDF: 31599217.5/1

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: 1106.906+/-636.001 χ^2/NDF: 23.7/35

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

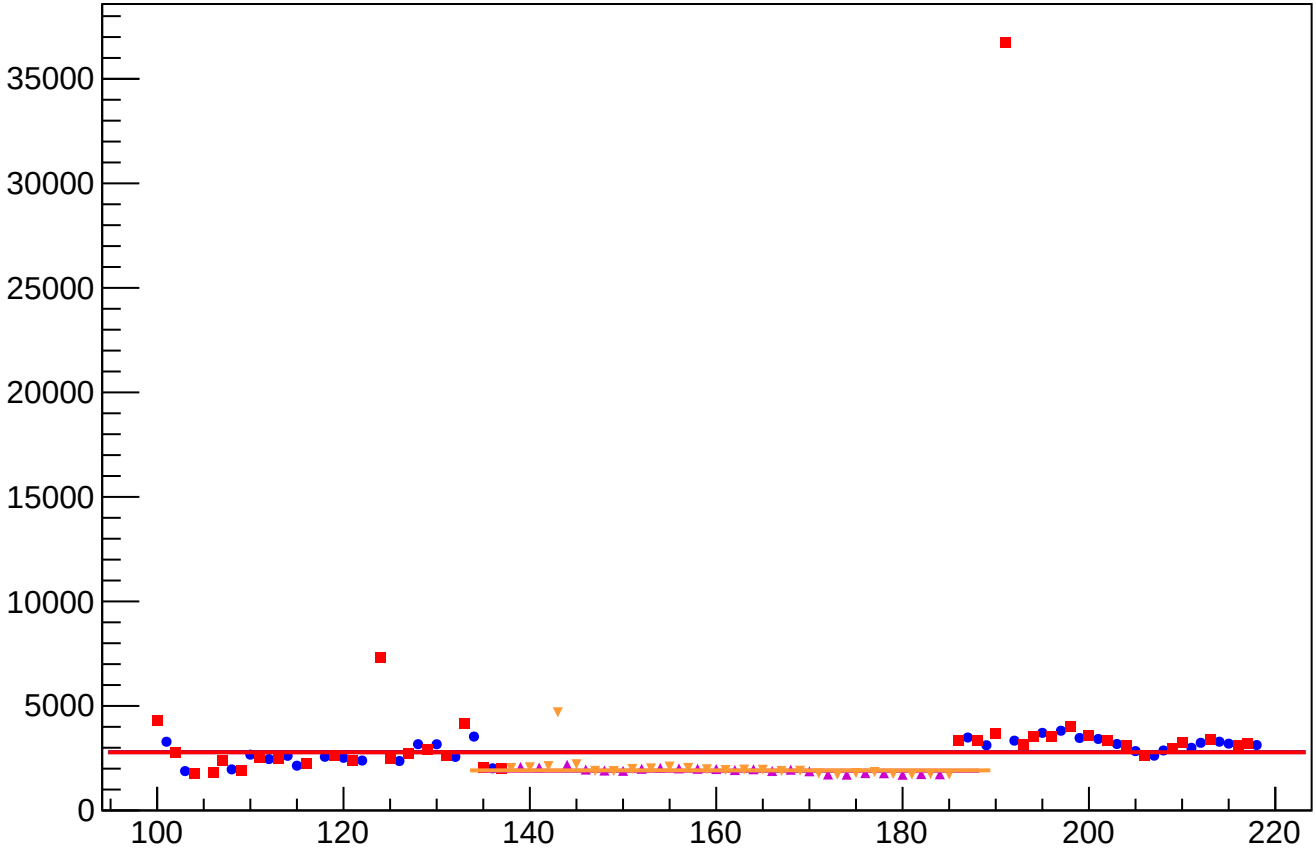
Right: 237.091+/-448.935 χ^2/NDF: 68.9/67

In: 69.015+/-363.959 χ^2/NDF:62.1/54

Out: 18.985+/-361.800 χ^2/NDF:63.9/60

All: 43.851+/-256.591 χ^2/NDF: 126.1/115

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: 2783.412+/-0.450 χ^2/NDF: 2116958.2/35

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

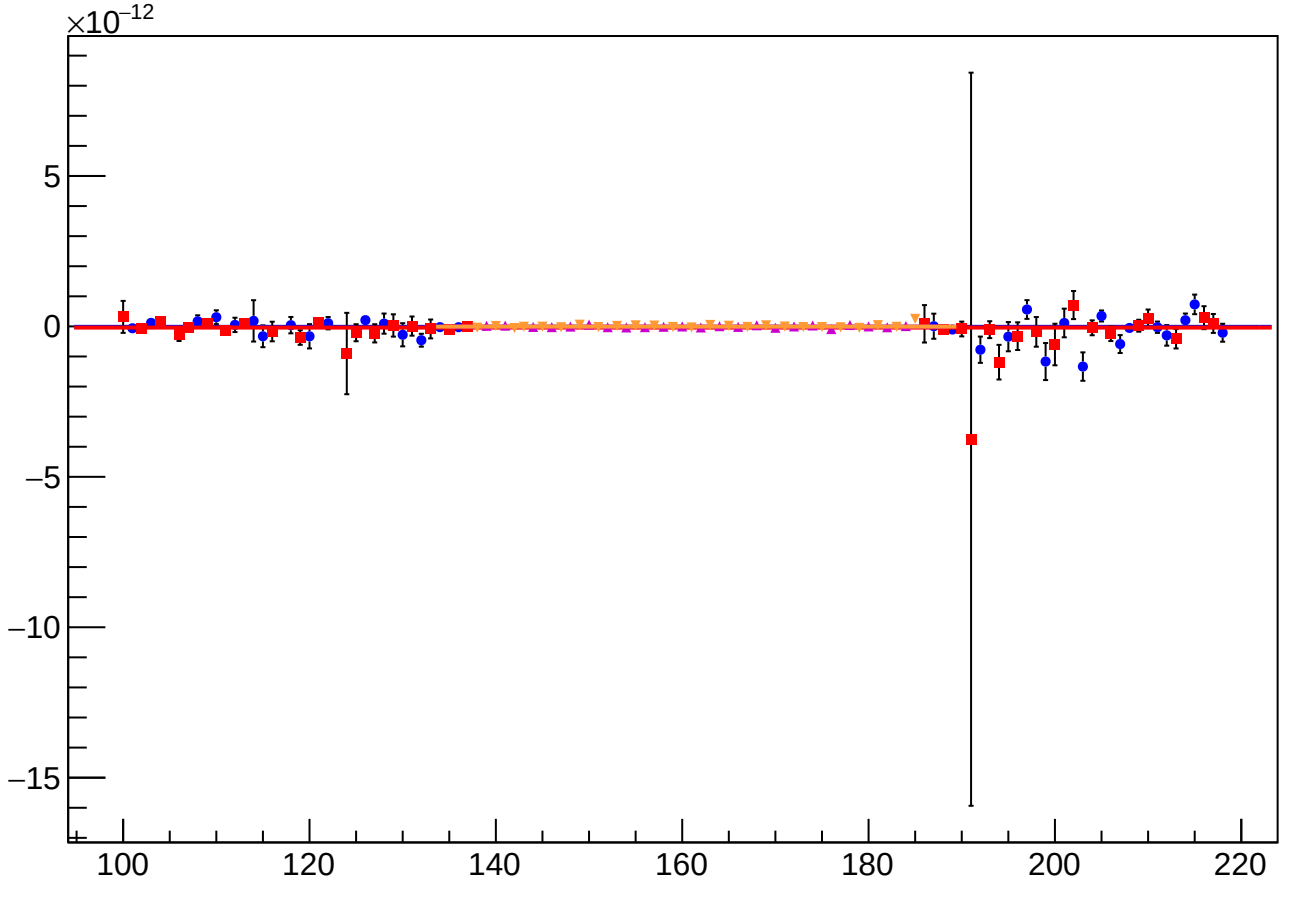
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2786.791+/-0.317 χ^2/NDF: 3597204.9/67

In: 2193.045+/-0.257 χ^2/NDF:4302159.2/54

Out: 2197.488+/-0.256 χ^2/NDF:5382952.2/60

All: 2195.280+/-0.181 χ^2/NDF: 9685261.4/11



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: 27.3/35

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

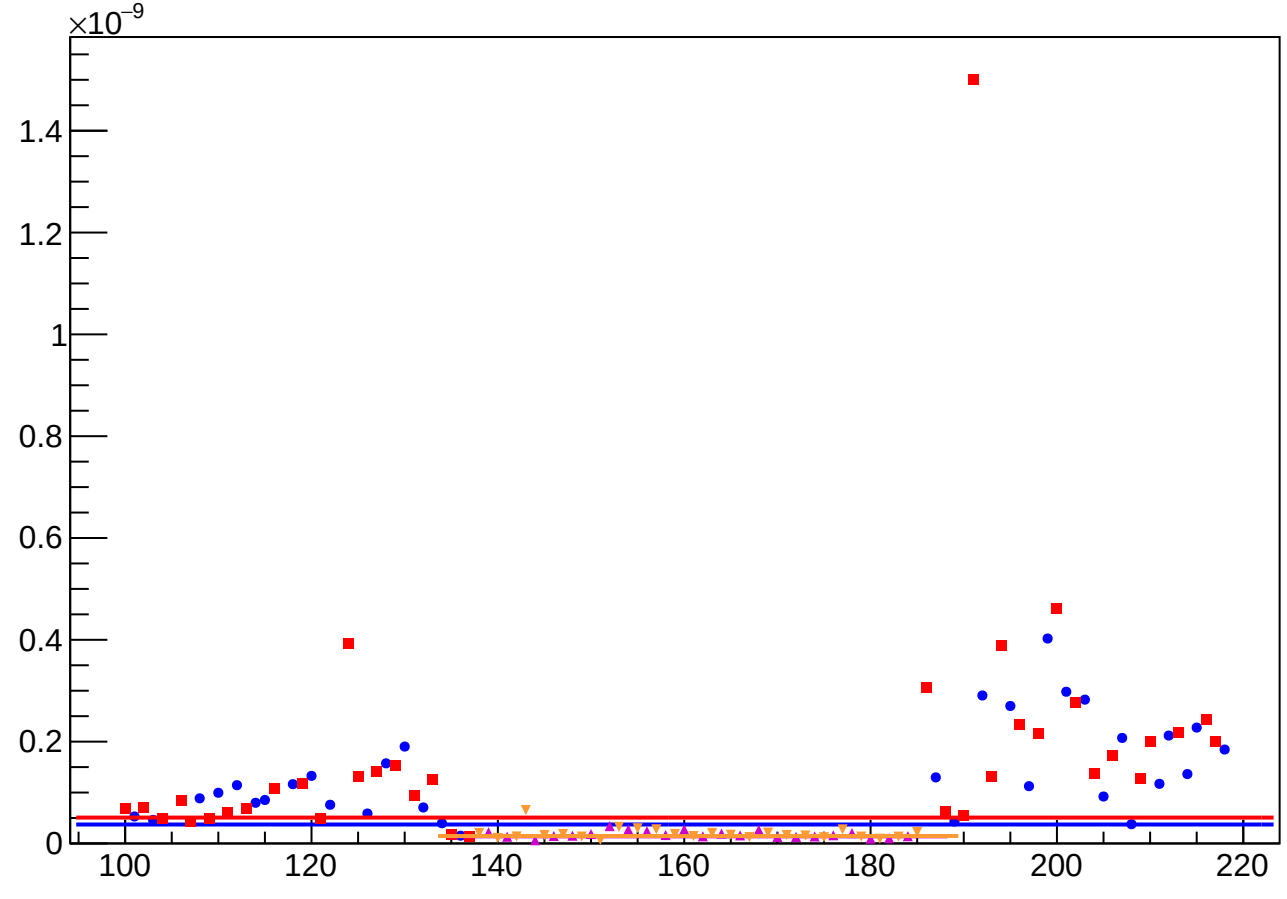
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 76.4/67

In: -0.000+/-0.000 χ^2/NDF:73.7/54

Out: -0.000+/-0.000 χ^2/NDF:57.4/60

All: -0.000+/-0.000 χ^2/NDF: 131.1/115



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: 8910254.6/35

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

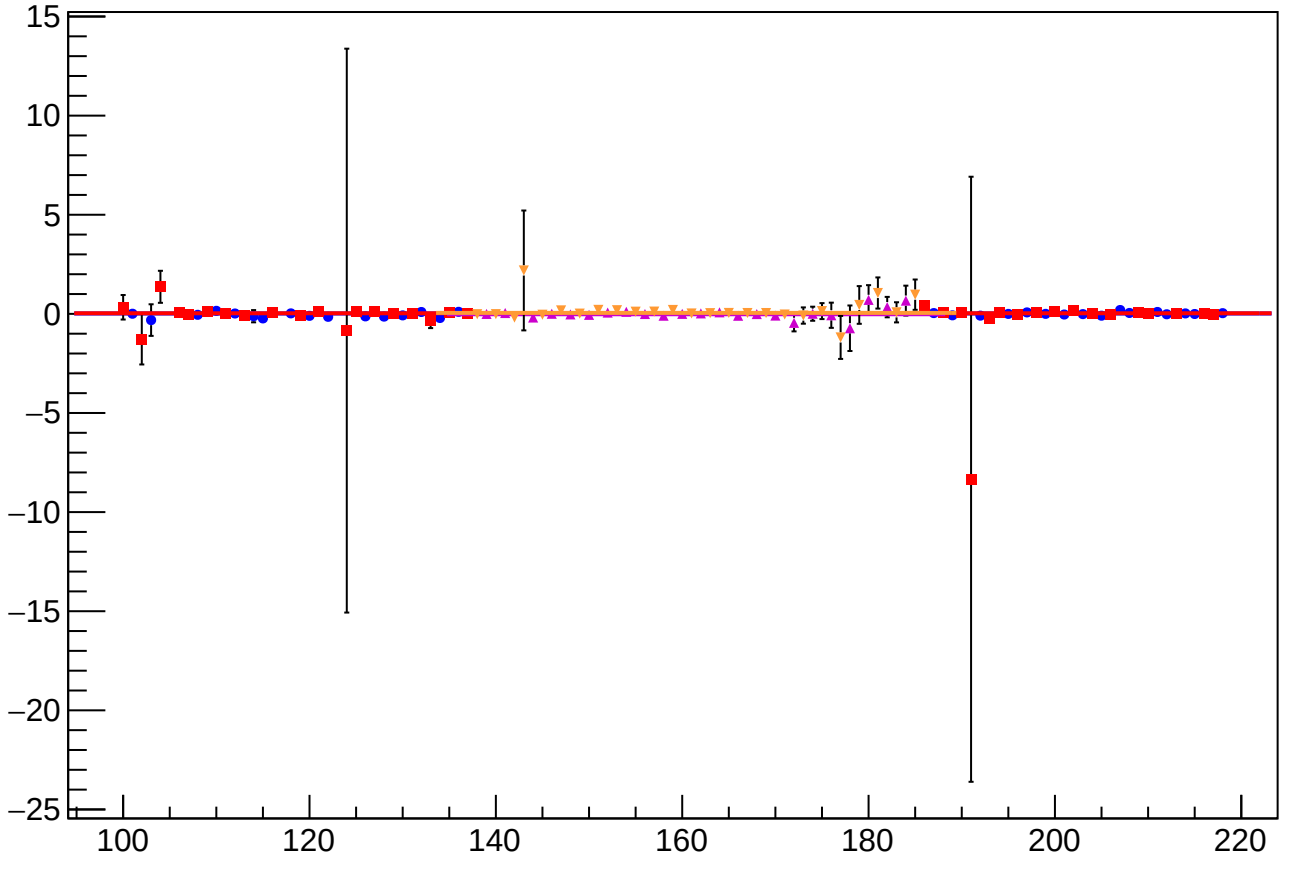
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 18837715.6/67

In: 0.000+/-0.000 χ^2/NDF:13873028.1/54

Out: 0.000+/-0.000 χ^2/NDF:14493500.7/60

All: 0.000+/-0.000 χ^2/NDF: 28380655.0/115



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: 0.030+/-0.016 χ^2/NDF: 27.2/35

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

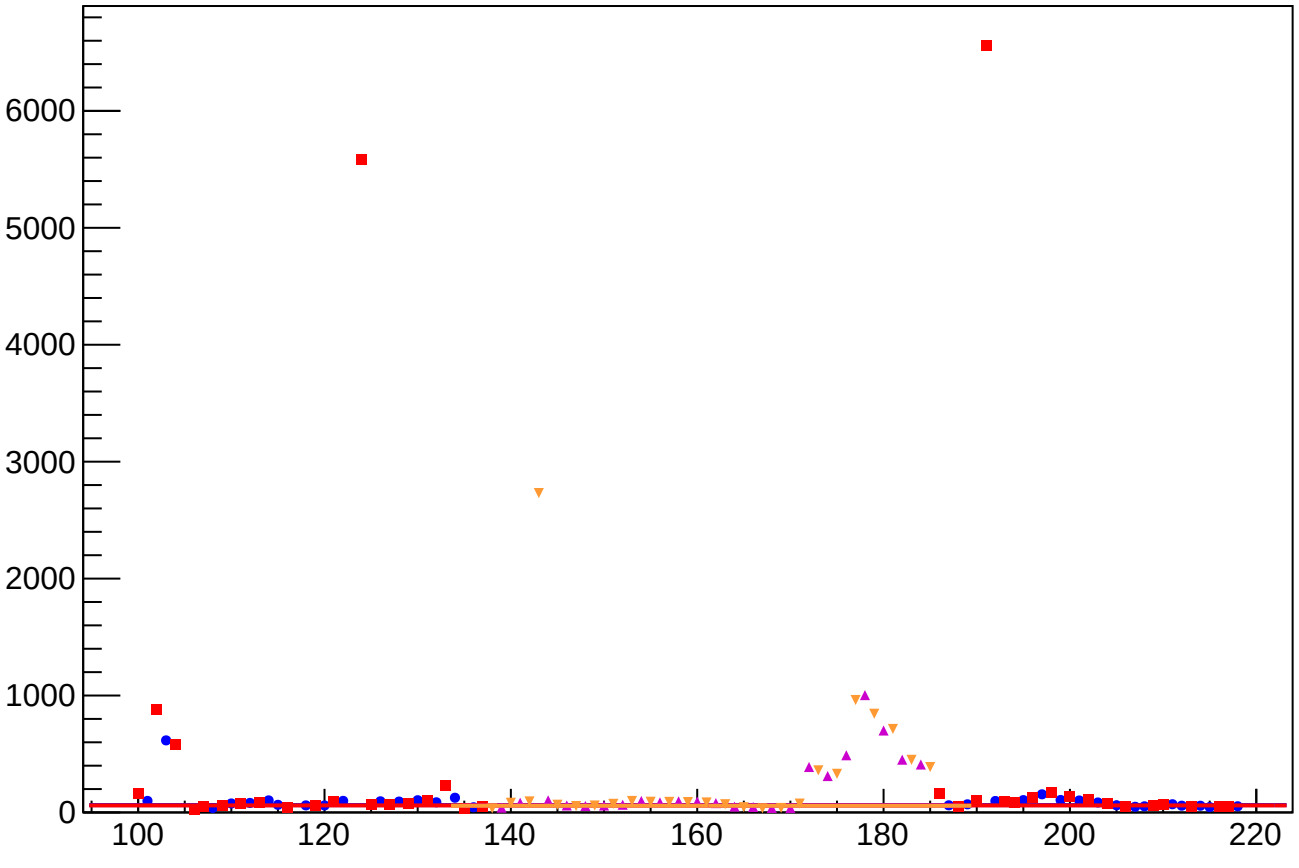
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.024+/-0.011 χ^2/NDF: 58.2/67

In: 0.001+/-0.012 χ^2/NDF:48.6/54

Out: 0.039+/-0.012 χ^2/NDF:52.4/60

All: 0.020+/-0.008 χ^2/NDF: 106.5/115



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: 60.222+/-0.011 χ^2/NDF: 7405258.9/35

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

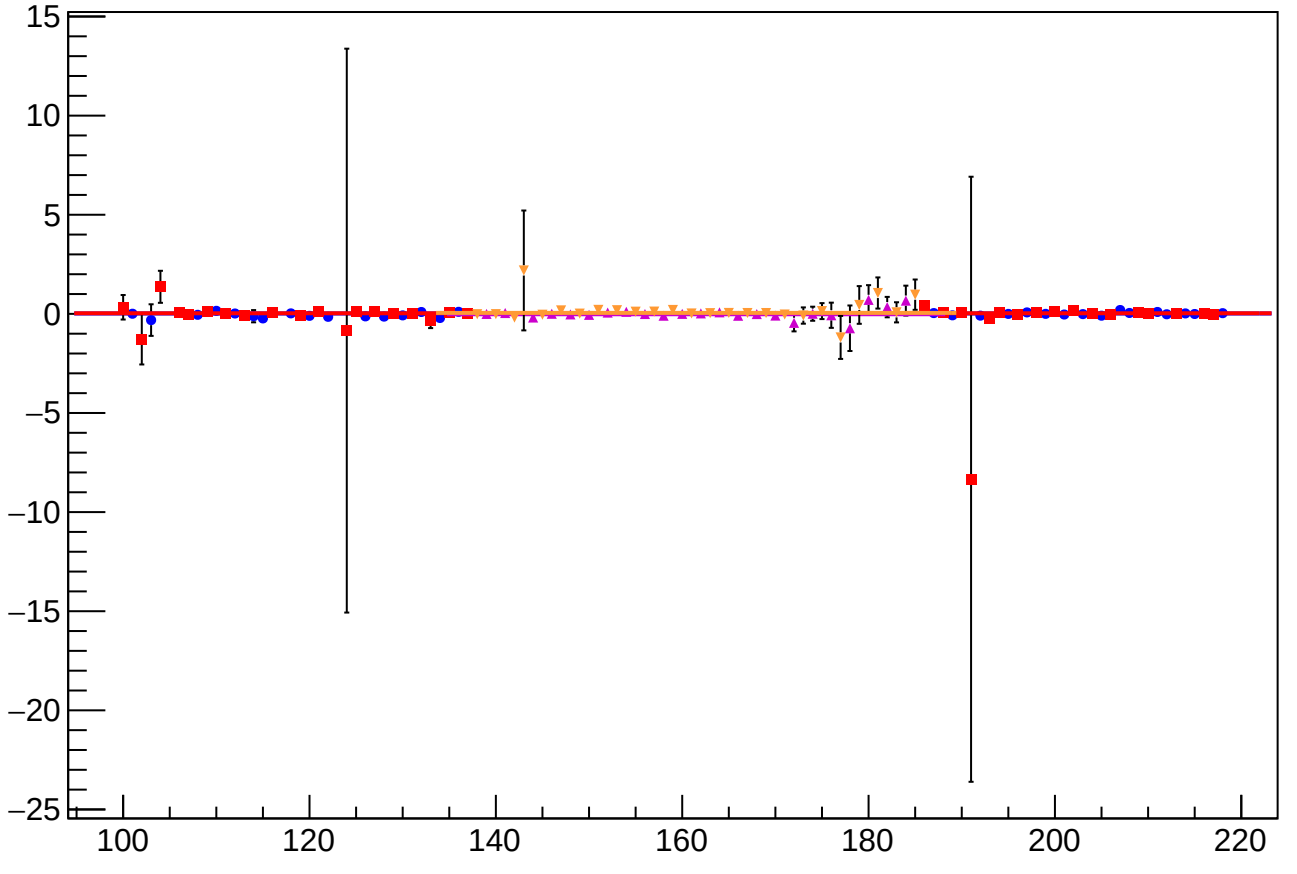
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 61.559+/-0.008 χ^2/NDF: 12050938.3/67

In: 60.930+/-0.008 χ^2/NDF:14933327.8/54

Out: 58.865+/-0.008 χ^2/NDF:19760082.0/60

All: 59.893+/-0.006 χ^2/NDF: 34725394.9/115



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: 0.030+/-0.016 χ^2/NDF: 27.2/35

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

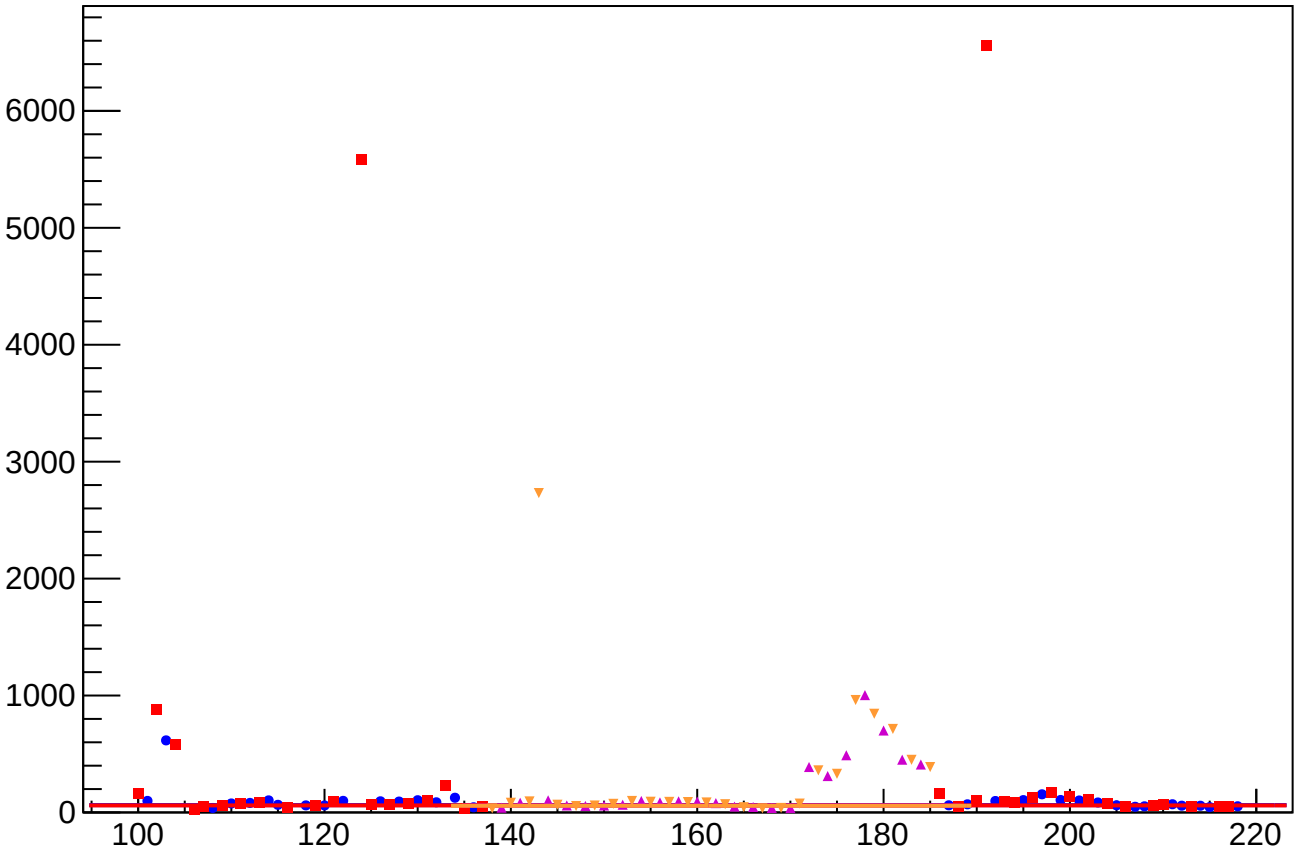
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.024+/-0.011 χ^2/NDF: 58.2/67

In: 0.001+/-0.012 χ^2/NDF:48.6/54

Out: 0.039+/-0.012 χ^2/NDF:52.4/60

All: 0.020+/-0.008 χ^2/NDF: 106.5/115



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: 60.222+/-0.011 χ^2/NDF: 7405258.9/35

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

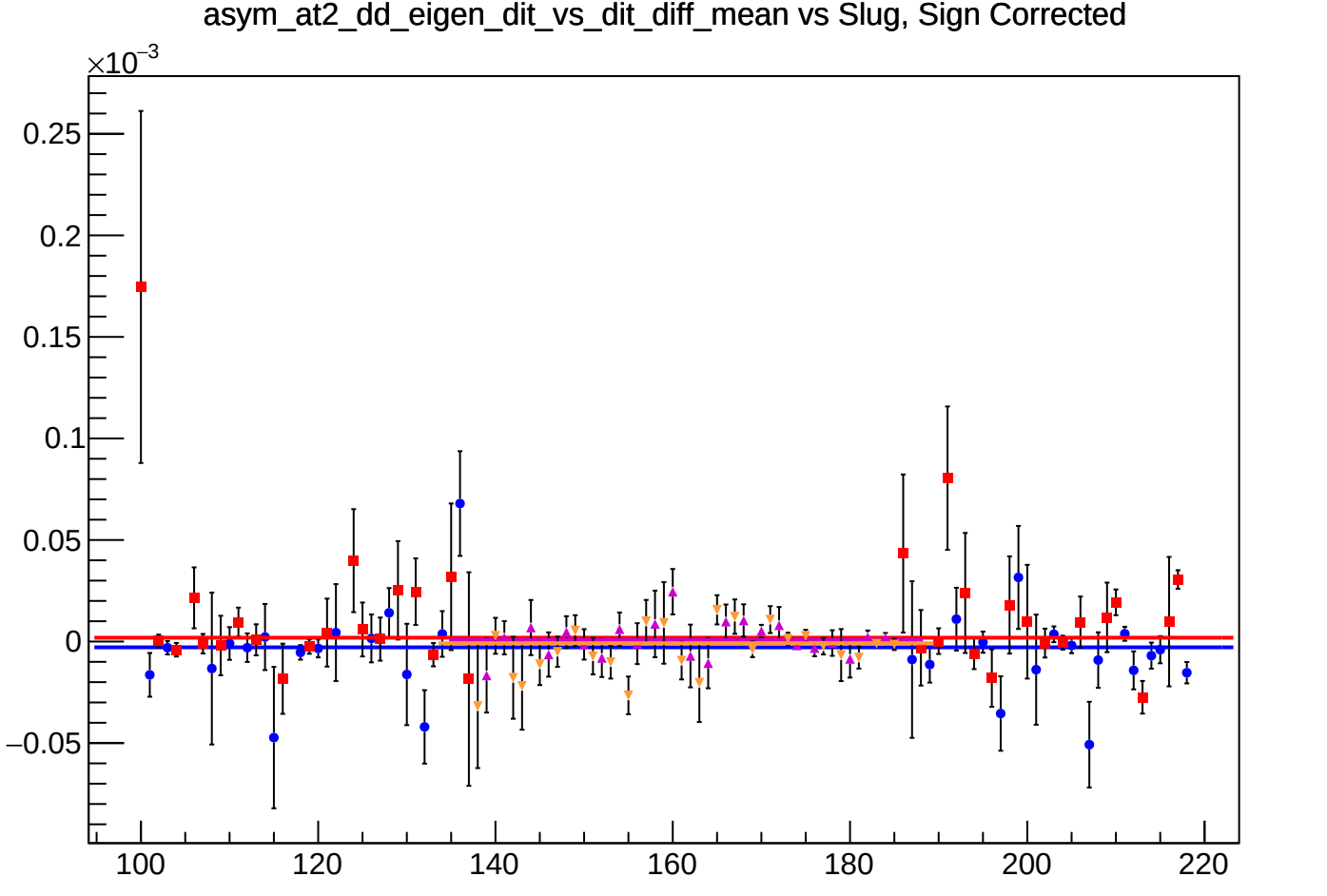
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 61.559+/-0.008 χ^2/NDF: 12050938.3/67

In: 60.930+/-0.008 χ^2/NDF:14933327.8/54

Out: 58.865+/-0.008 χ^2/NDF:19760082.0/60

All: 59.893+/-0.006 χ^2/NDF: 34725394.9/115



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: 93.7/35

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

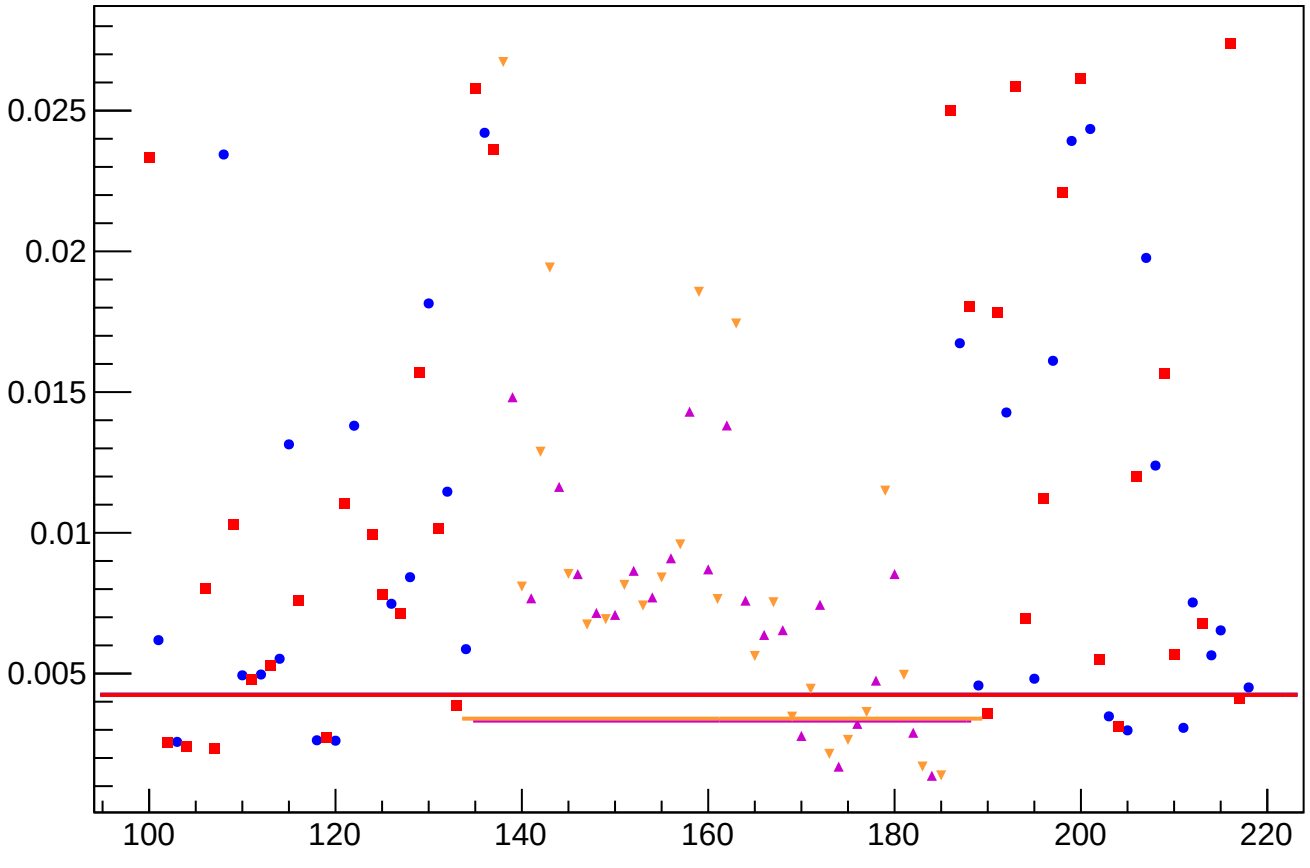
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 146.9/67

In: -0.000+/-0.000 χ^2/NDF:69.3/54

Out: 0.000+/-0.000 χ^2/NDF:129.3/60

All: -0.000+/-0.000 χ^2/NDF: 199.7/115



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: 14410135.4/35

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

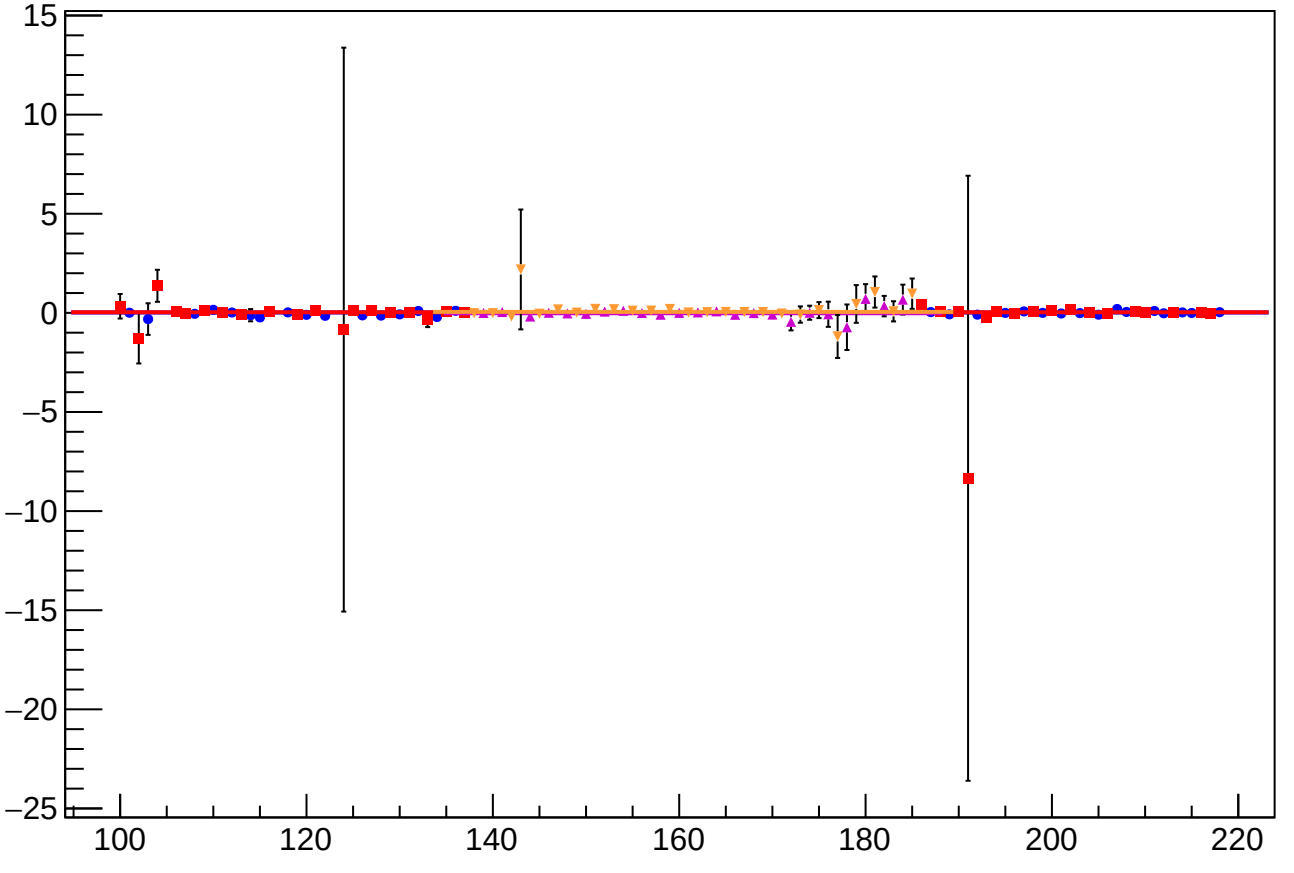
Right: 0.004+/-0.000 χ^2/NDF: 26381079.8/67

In: 0.004+/-0.000 χ^2/NDF:25203877.3/54

Out: 0.004+/-0.000 χ^2/NDF:29222312.6/60

All: 0.004+/-0.000 χ^2/NDF: 54427318.5/115

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: 0.030+/-0.016 χ^2/NDF: 27.2/35

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

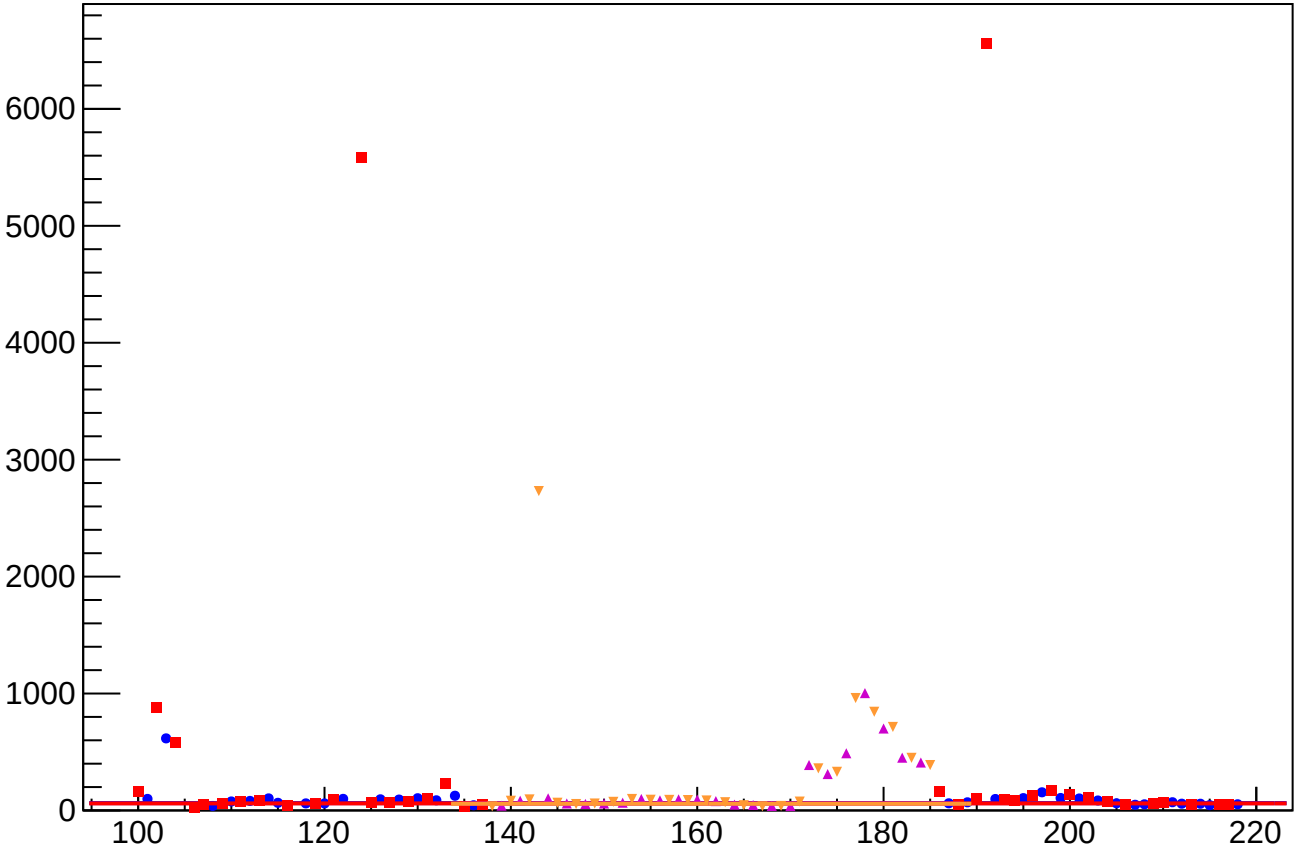
Right: 0.024+/-0.011 χ^2/NDF: 58.2/67

In: 0.001+/-0.012 χ^2/NDF:48.6/54

Out: 0.039+/-0.012 χ^2/NDF:52.4/60

All: 0.020+/-0.008 χ^2/NDF: 106.5/115

asym_at2_dd_eigen_dit_vs_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: 60.220+/-0.011 χ^2/NDF: 7406074.8/35

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

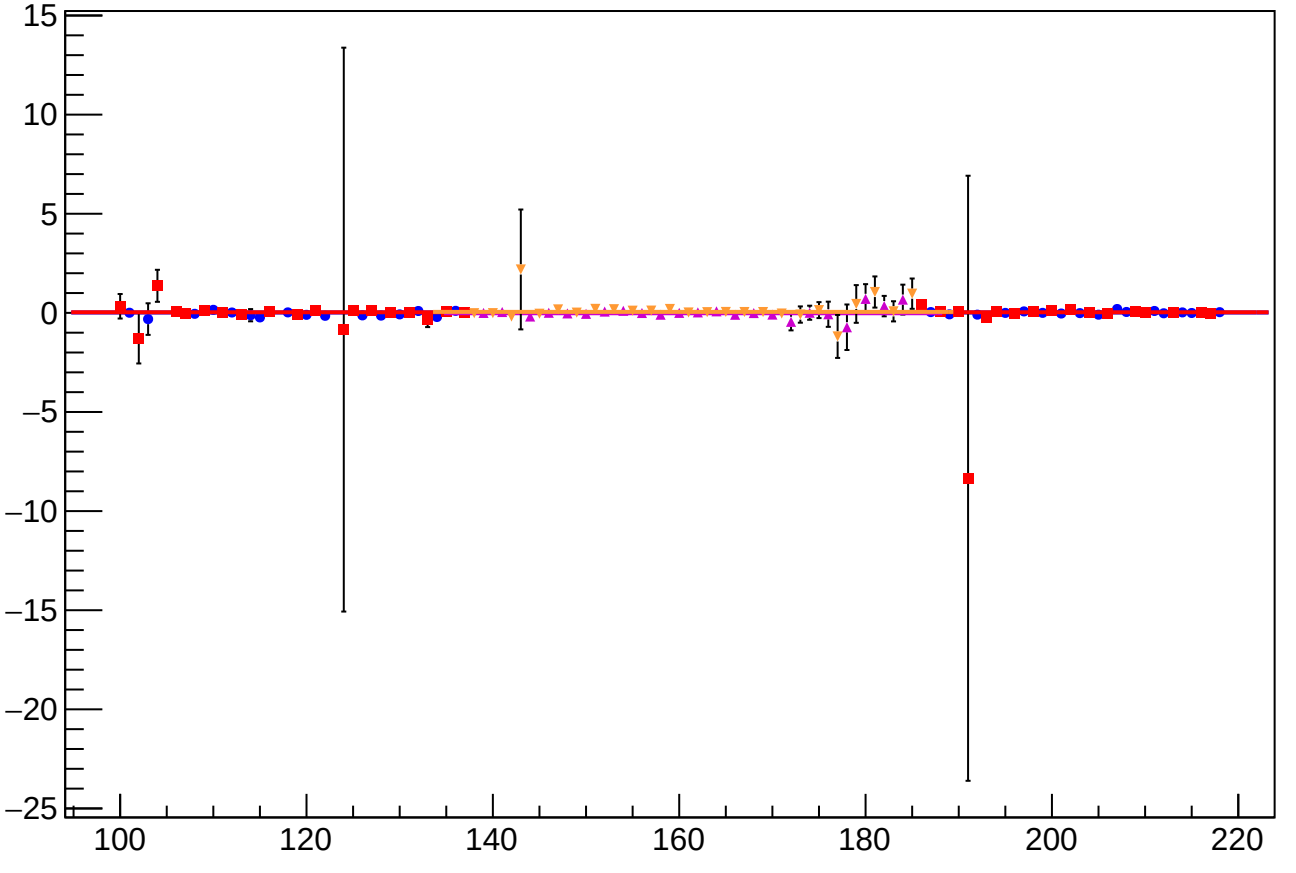
Right: 61.559+/-0.008 χ^2/NDF: 12051052.3/67

In: 60.932+/-0.008 χ^2/NDF:14932019.6/54

Out: 58.863+/-0.008 χ^2/NDF:19760624.5/60

All: 59.893+/-0.006 χ^2/NDF: 34724747.2/115

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: 0.030+/-0.016 χ^2/NDF: 27.2/35

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

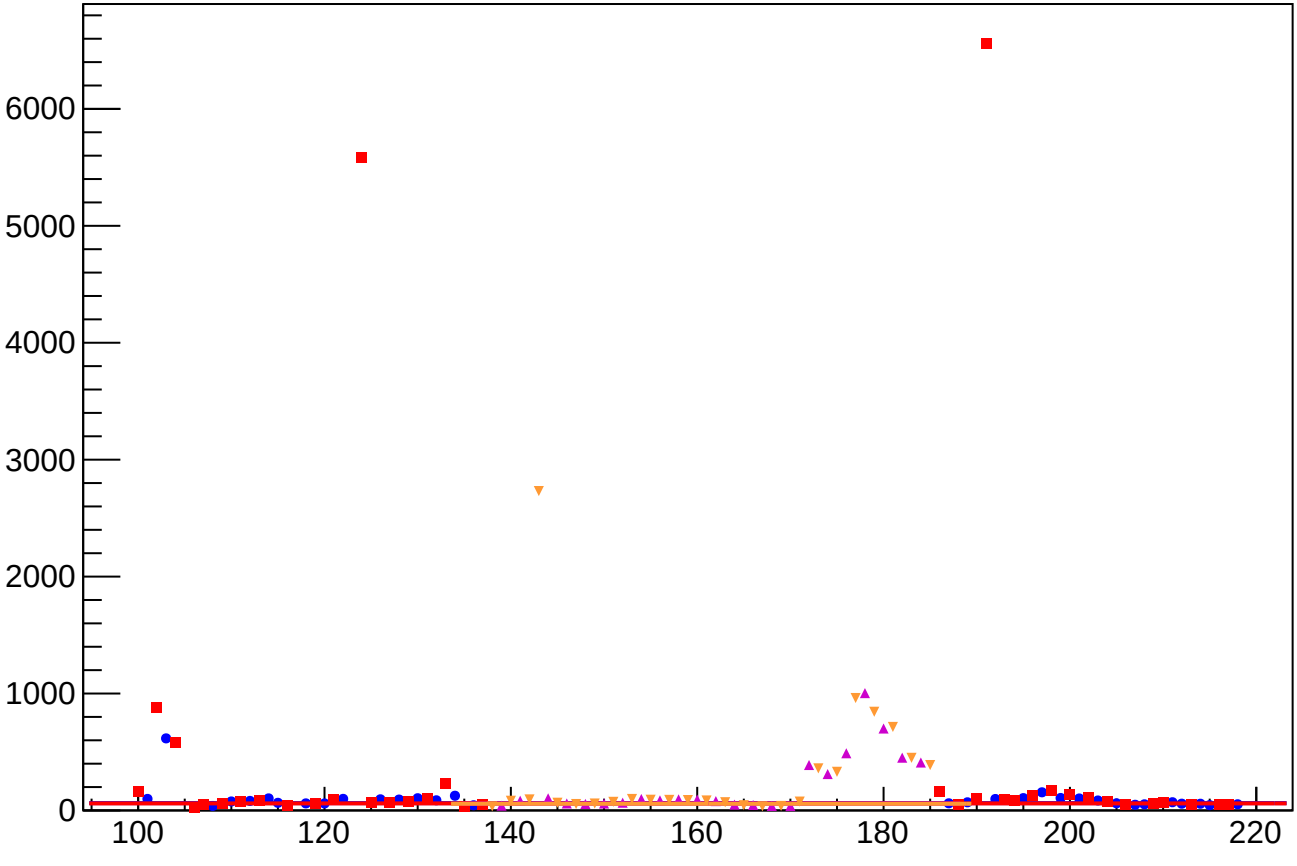
Right: 0.024+/-0.011 χ^2/NDF: 58.2/67

In: 0.001+/-0.012 χ^2/NDF:48.6/54

Out: 0.039+/-0.012 χ^2/NDF:52.4/60

All: 0.020+/-0.008 χ^2/NDF: 106.5/115

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: 60.220+/-0.011 χ^2/NDF: 7406074.8/35

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

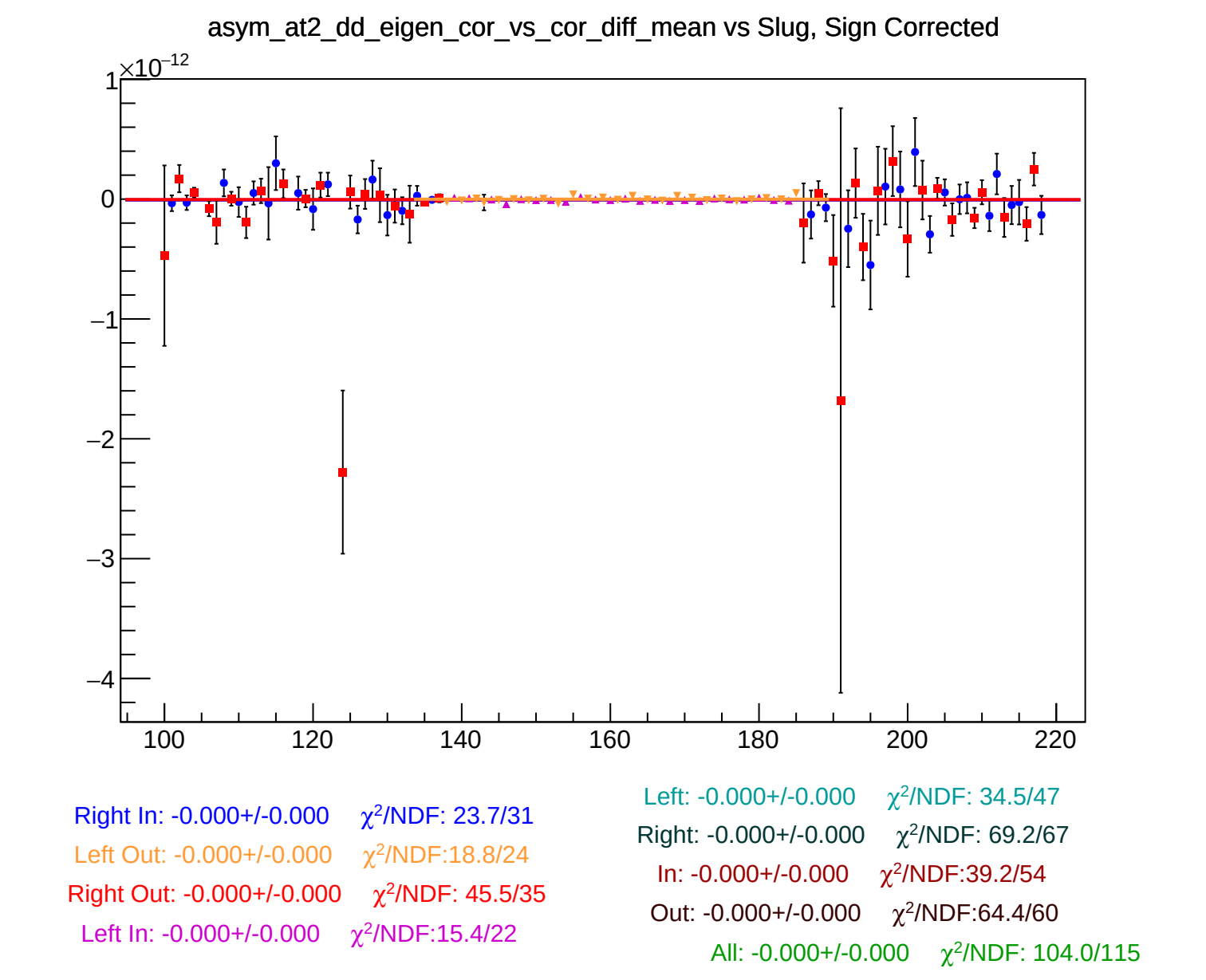
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

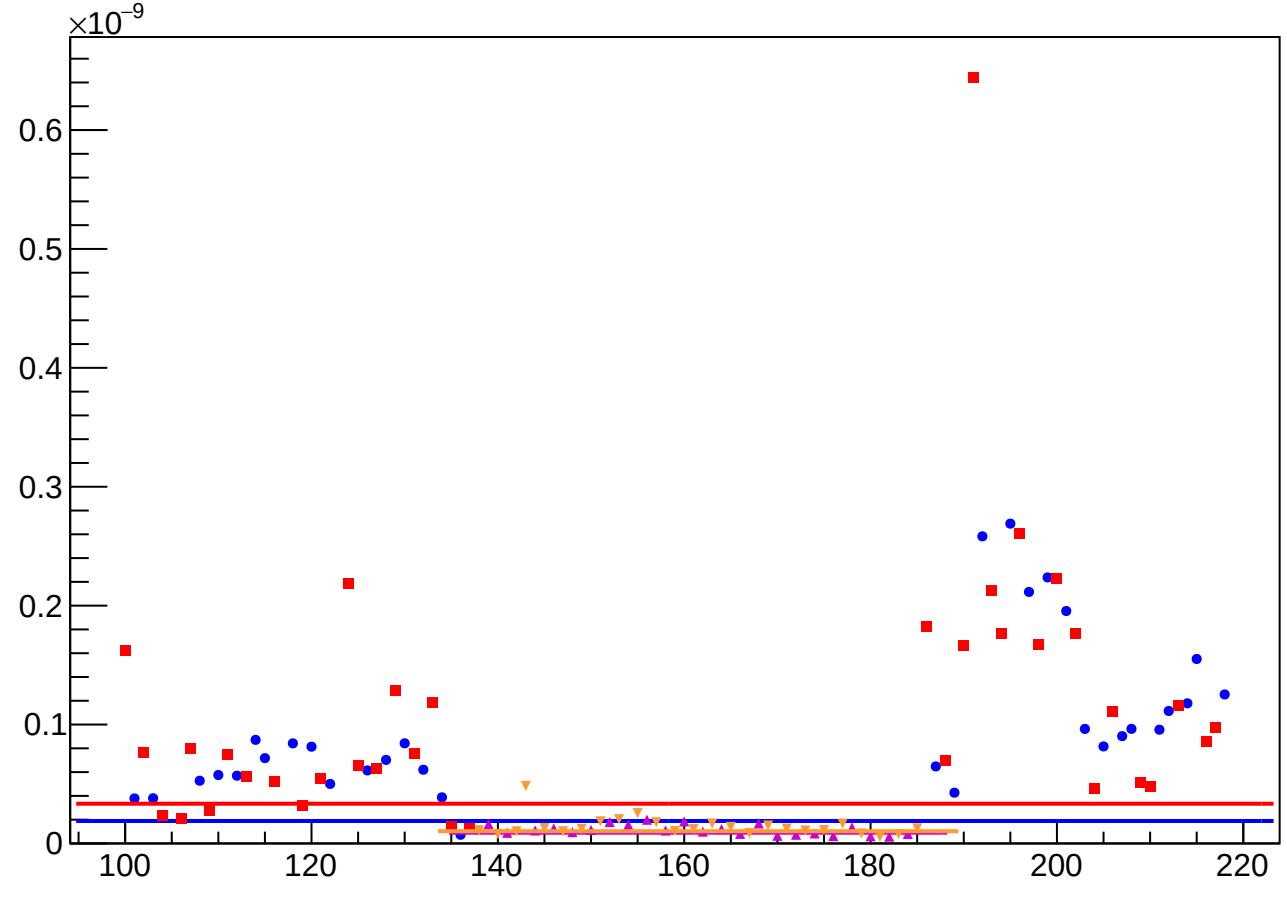
Right: 61.559+/-0.008 χ^2/NDF: 12051052.3/67

In: 60.932+/-0.008 χ^2/NDF:14932019.6/54

Out: 58.863+/-0.008 χ^2/NDF:19760624.5/60

All: 59.893+/-0.006 χ^2/NDF: 34724747.2/115


asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 23.7/31
Left Out: -0.000+/-0.000 χ²/NDF:18.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 45.5/35
Left In: -0.000+/-0.000 χ²/NDF:15.4/22
Left: -0.000+/-0.000 χ²/NDF: 34.5/47
Right: -0.000+/-0.000 χ²/NDF: 69.2/67
In: -0.000+/-0.000 χ²/NDF:39.2/54
Out: -0.000+/-0.000 χ²/NDF:64.4/60
All: -0.000+/-0.000 χ²/NDF: 104.0/115



Right In: 0.000+/-0.000 χ^2/NDF: 16710701.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11191002.8/35

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

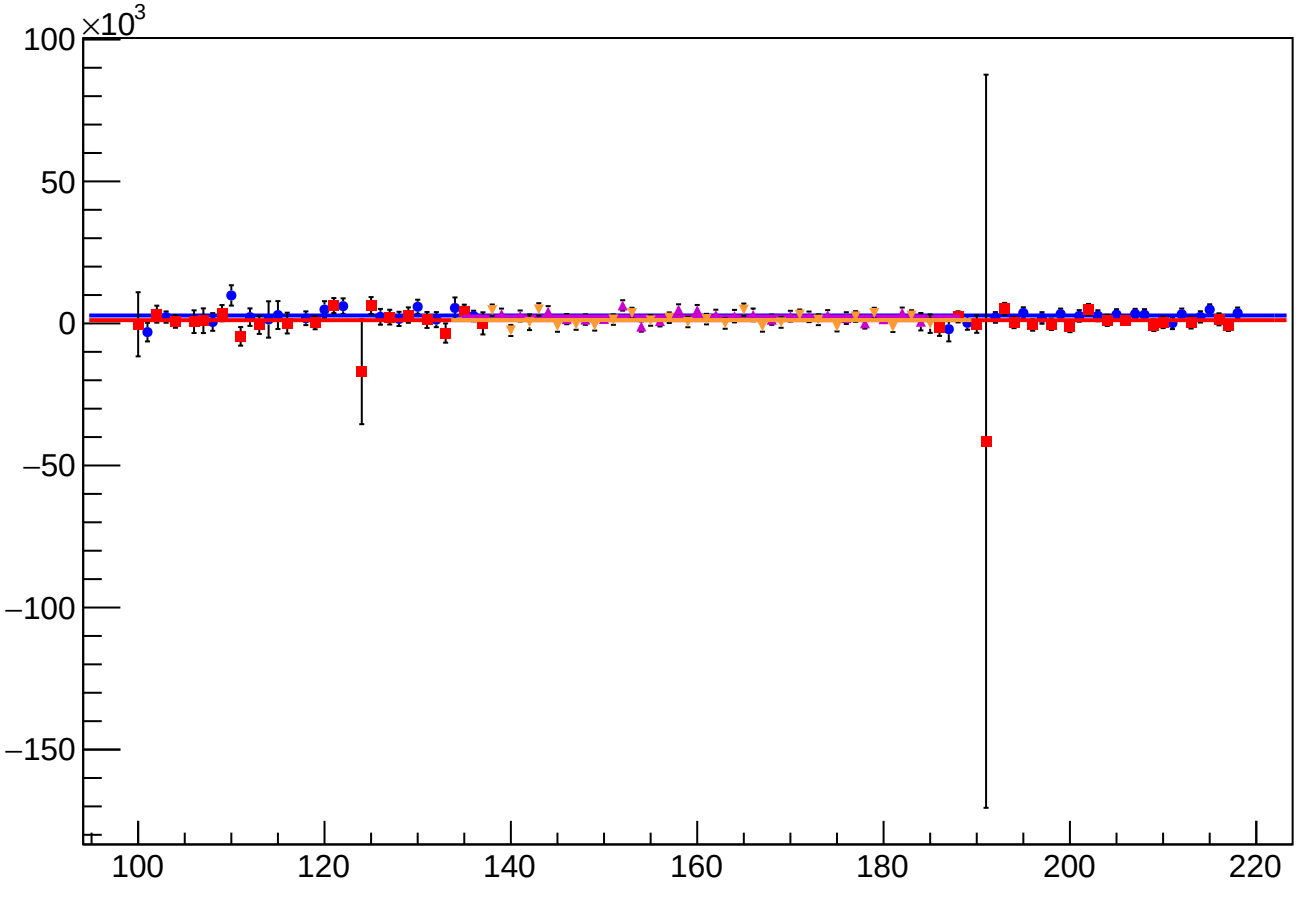
Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

Right: 0.000+/-0.000 χ^2/NDF: 29346411.6/67

In: 0.000+/-0.000 χ^2/NDF:21569210.3/54

Out: 0.000+/-0.000 χ^2/NDF:20109096.6/60

All: 0.000+/-0.000 χ^2/NDF: 41988769.8/115



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: 1149.123+/-413.980 χ^2/NDF: 30.1/35

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

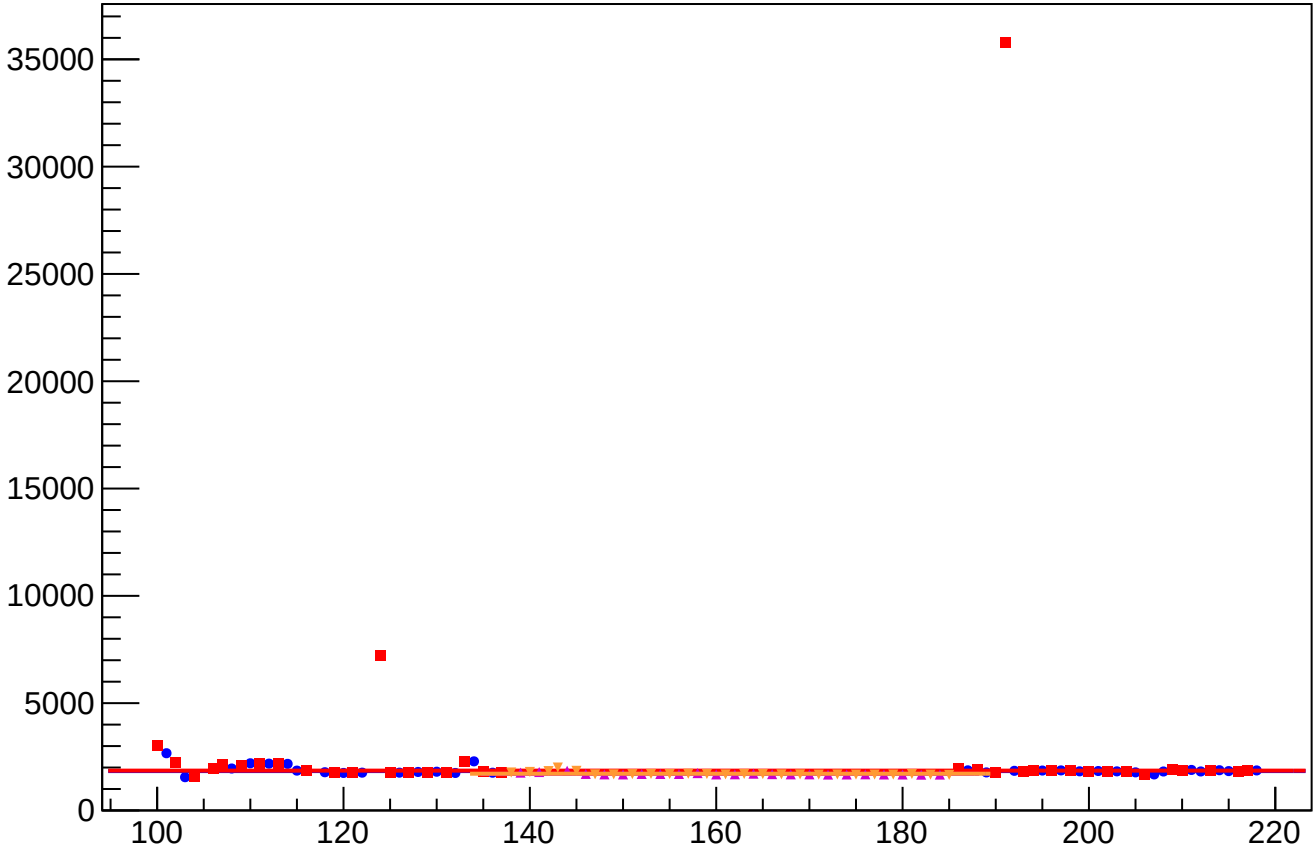
Right: 1979.868+/-291.132 χ^2/NDF: 56.8/67

In: 2610.822+/-285.397 χ^2/NDF:36.6/54

Out: 1177.409+/-283.537 χ^2/NDF:56.4/60

All: 1889.430+/-201.145 χ^2/NDF: 105.7/115

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: 1856.052+/-0.292 χ^2/NDF: 543998.3/35

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

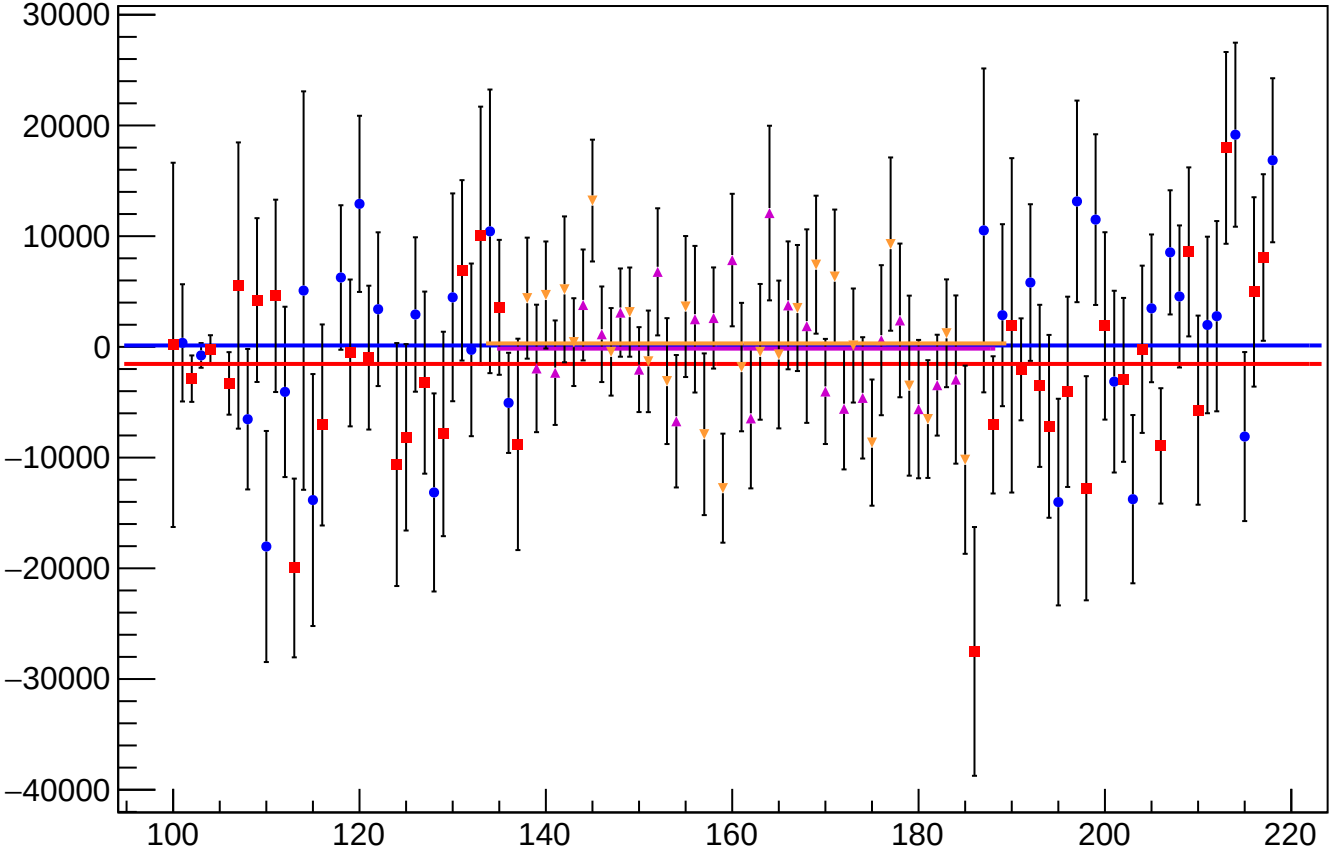
Right: 1845.222+/-0.206 χ^2/NDF: 834136.9/67

In: 1767.423+/-0.202 χ^2/NDF:414671.4/54

Out: 1779.513+/-0.200 χ^2/NDF:733141.6/60

All: 1773.510+/-0.142 χ^2/NDF: 1149620.0/11

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: -1539.660+/-817.515 χ^2/NDF: 33.6/35

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

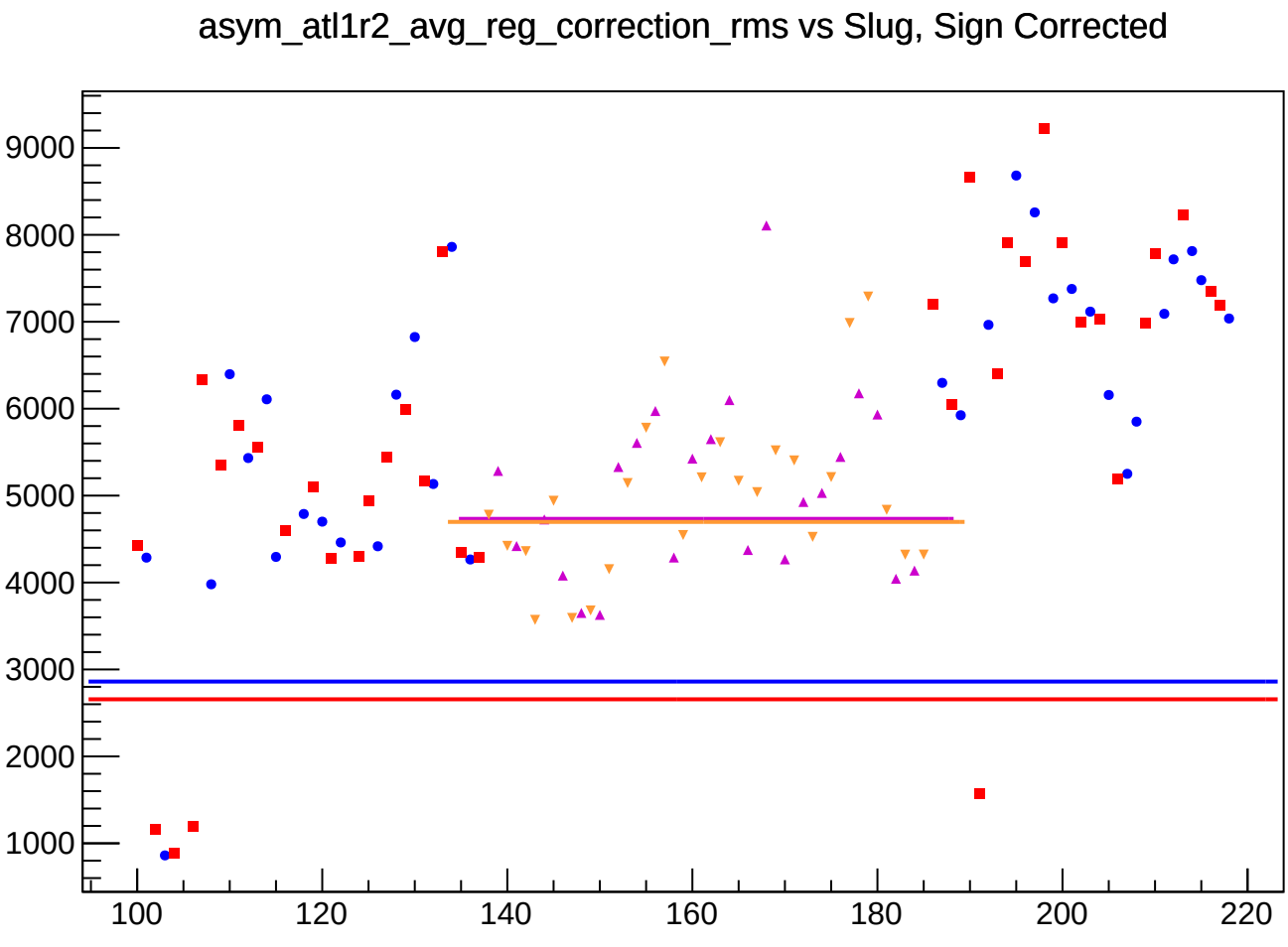
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -748.717+/-592.928 χ^2/NDF: 76.4/67

In: 23.440+/-684.630 χ^2/NDF:55.5/54

Out: -873.854+/-654.434 χ^2/NDF:62.5/60

All: -445.431+/-473.070 χ^2/NDF: 119.0/115



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: 2656.751+/-0.578 χ^2/NDF: 18666993.3/35

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

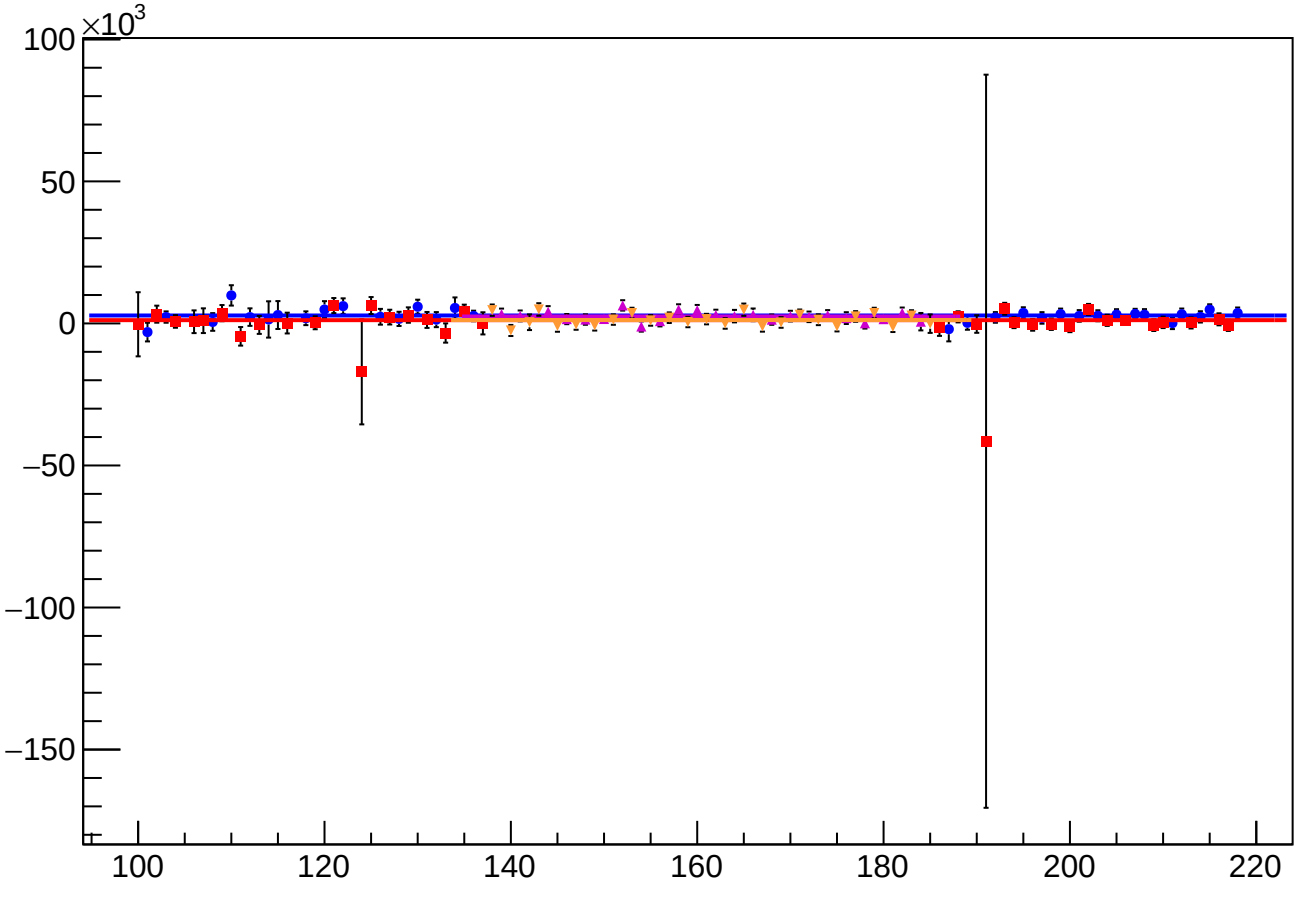
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 2753.415+/-0.419 χ^2/NDF: 36703178.4/67

In: 3549.658+/-0.484 χ^2/NDF:22697041.8/54

Out: 3389.779+/-0.463 χ^2/NDF:24383240.9/60

All: 3466.115+/-0.335 χ^2/NDF: 47137275.1/1



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: 1148.686+/-413.980 χ^2/NDF: 30.1/35

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

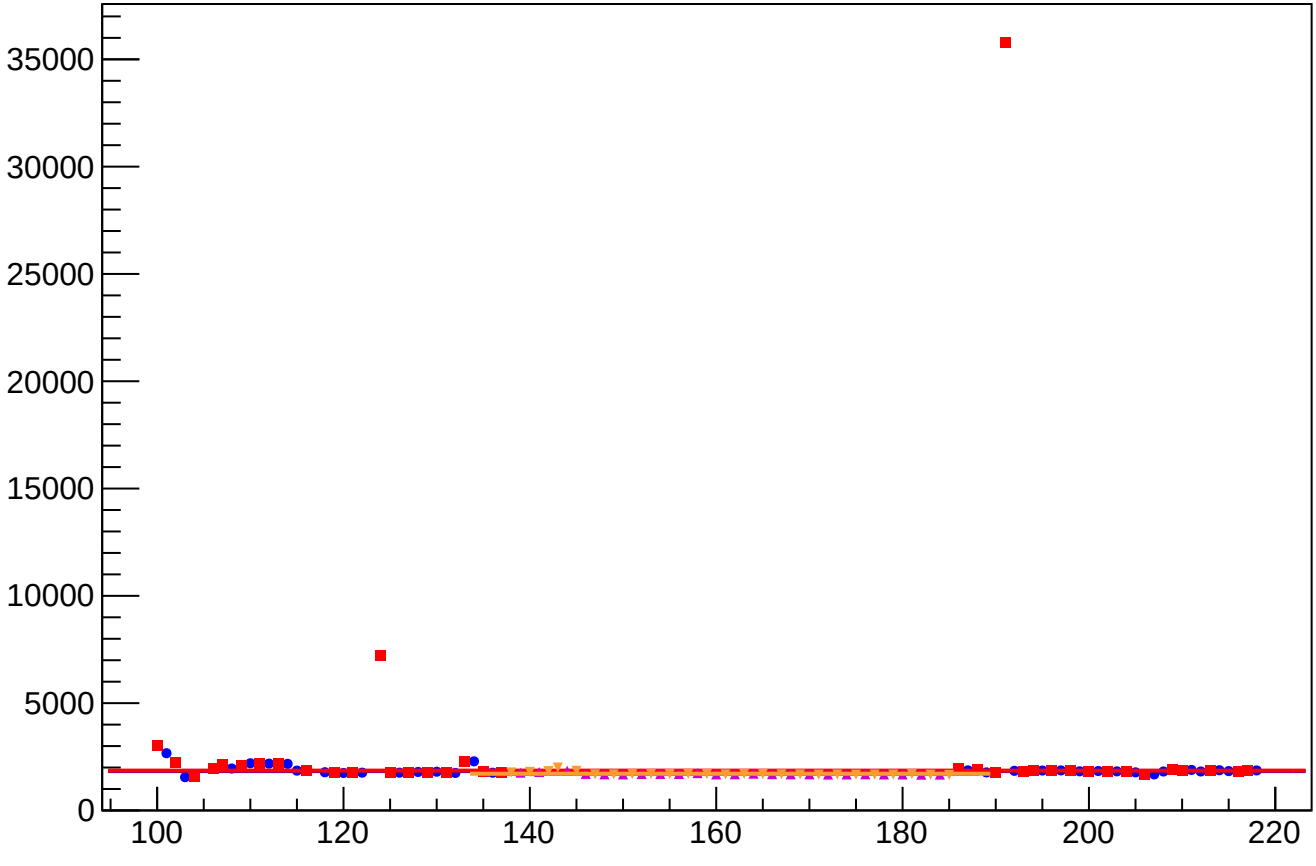
Right: 1979.711+/-291.132 χ^2/NDF: 56.8/67

In: 2610.845+/-285.397 χ^2/NDF:36.6/54

Out: 1177.152+/-283.537 χ^2/NDF:56.4/60

All: 1889.312+/-201.145 χ^2/NDF: 105.7/115

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: 1856.204+/-0.293 χ^2/NDF: 544368.7/35

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

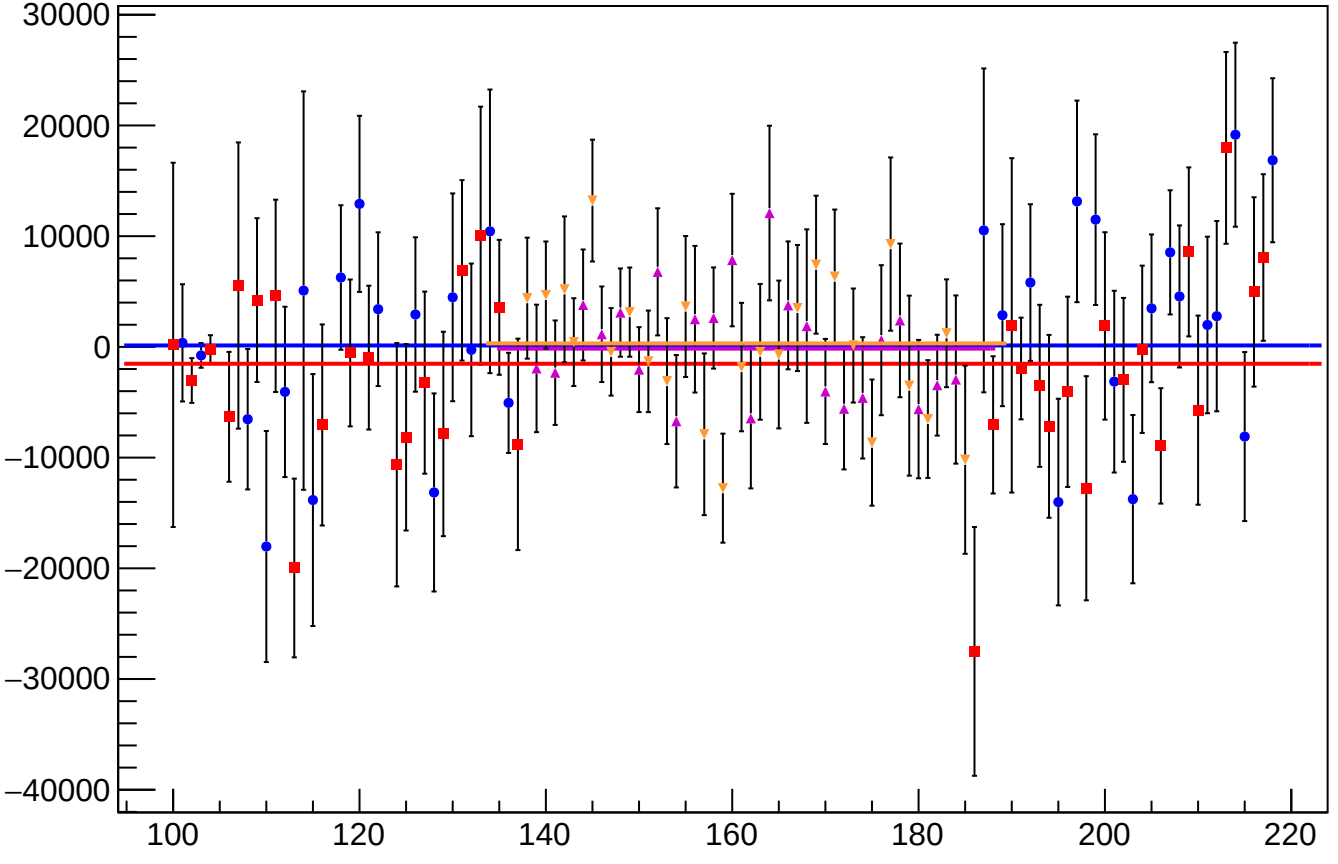
Right: 1845.296+/-0.206 χ^2/NDF: 834545.5/67

In: 1767.423+/-0.202 χ^2/NDF:414671.3/54

Out: 1779.579+/-0.200 χ^2/NDF:733773.5/60

All: 1773.543+/-0.142 χ^2/NDF: 1150271.5/11

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: -1523.562+/-840.120 χ^2/NDF: 34.1/35

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

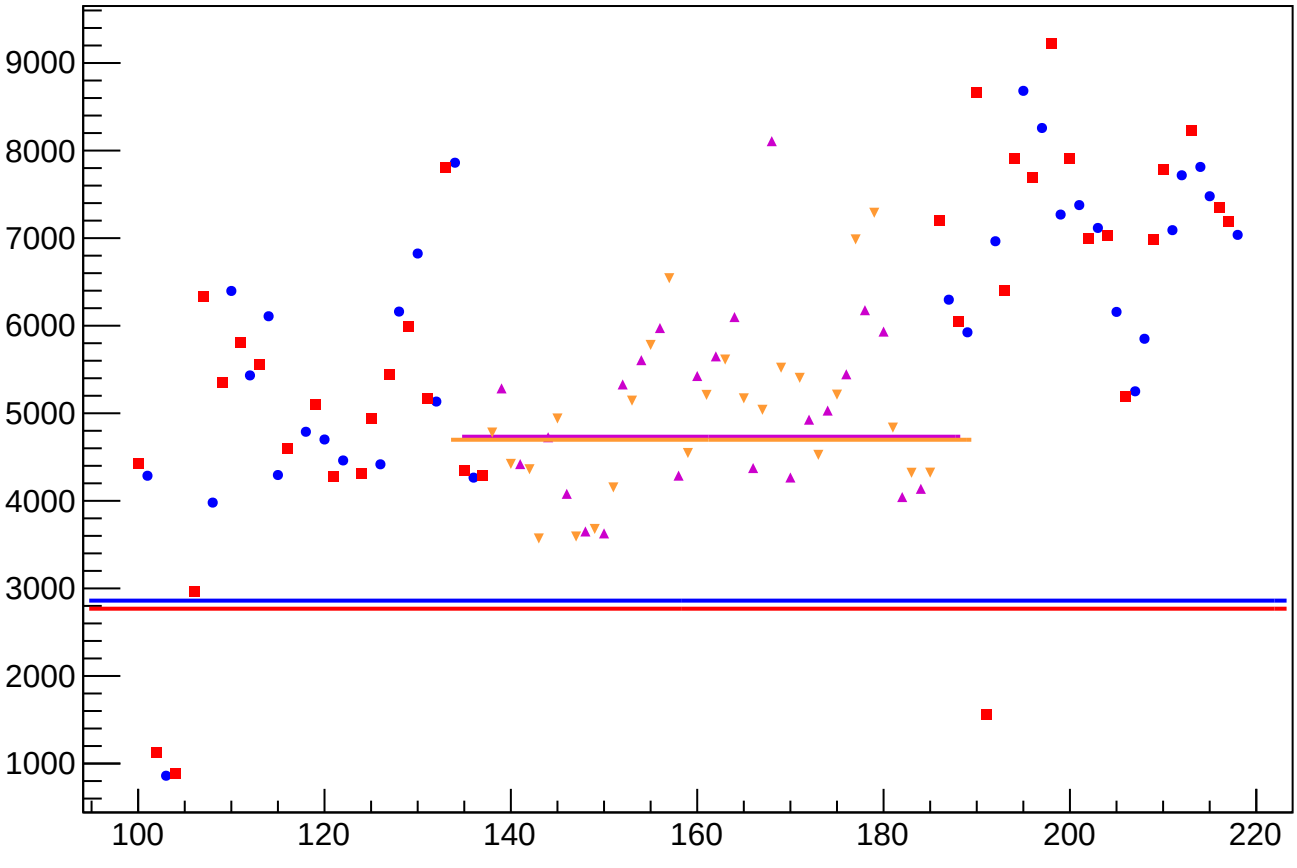
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -717.555+/-601.372 χ^2/NDF: 76.7/67

In: 23.640+/-684.610 χ^2/NDF:55.5/54

Out: -840.280+/-665.858 χ^2/NDF:62.9/60

All: -420.314+/-477.325 χ^2/NDF: 119.2/115



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: 2768.285+/-0.594 χ^2/NDF: 18231771.7/35

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

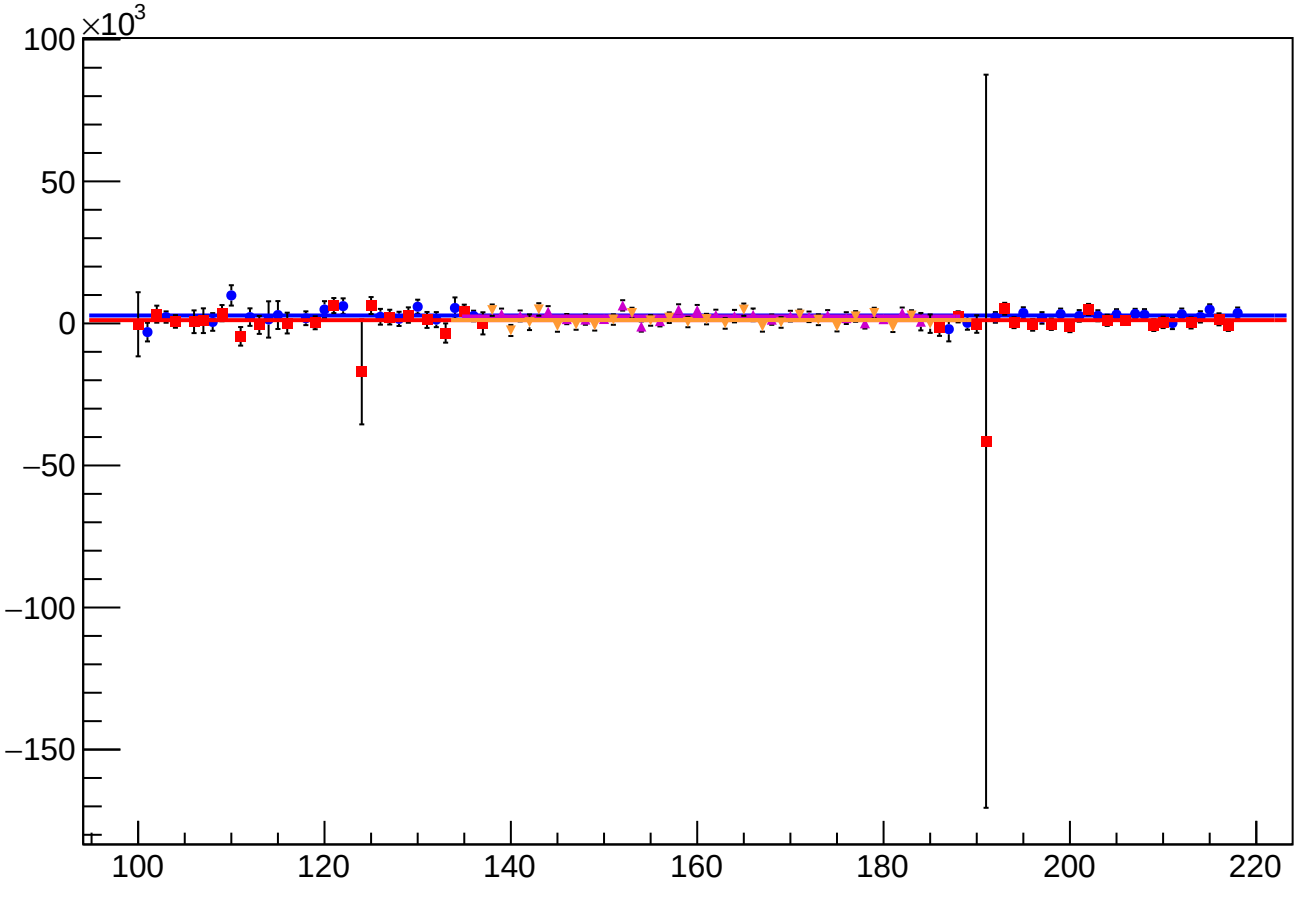
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2813.243+/-0.425 χ^2/NDF: 36222013.7/67

In: 3549.485+/-0.484 χ^2/NDF:22699250.6/54

Out: 3485.659+/-0.471 χ^2/NDF:23393086.9/60

All: 3516.686+/-0.338 χ^2/NDF: 46101270.8/1



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: 1148.686+/-413.980 χ^2/NDF: 30.1/35

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

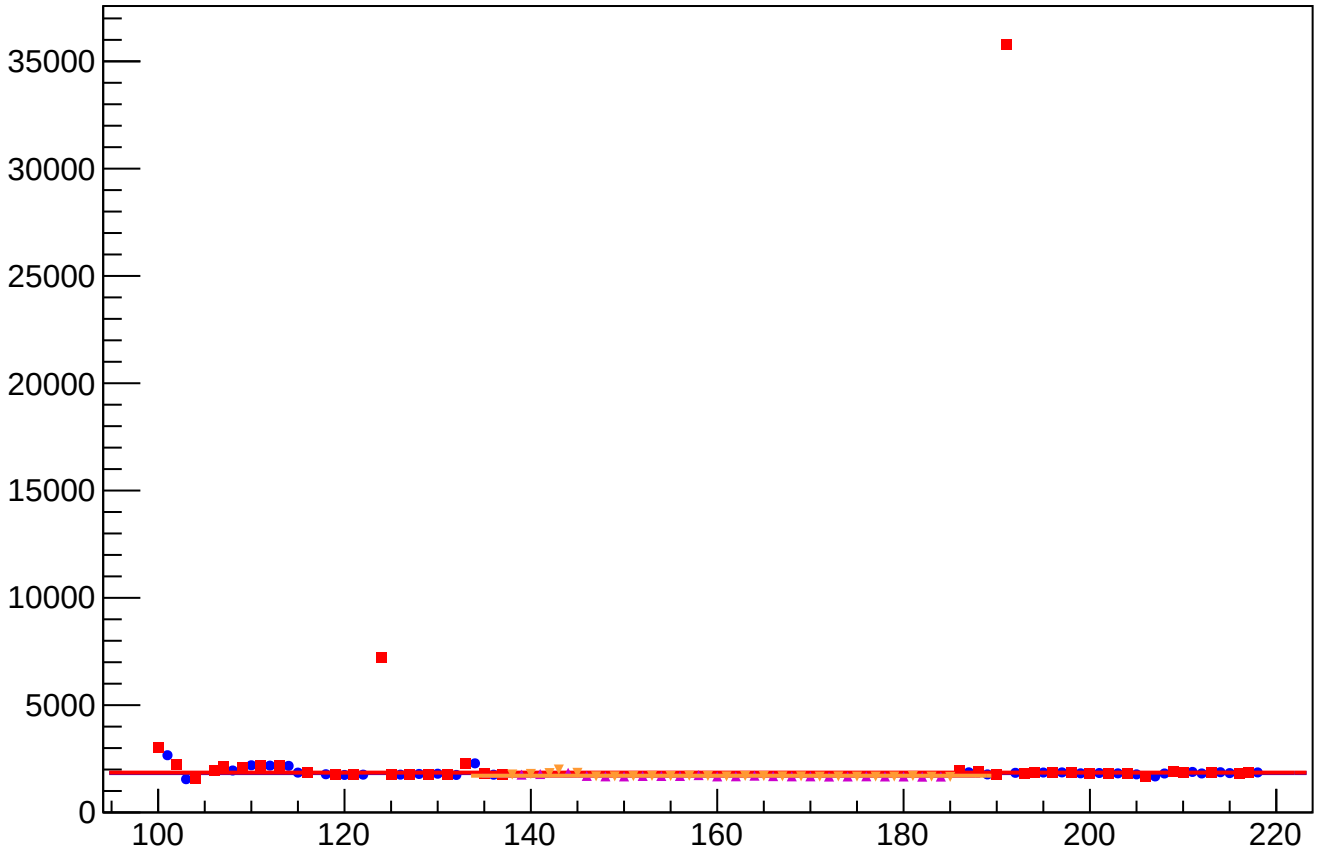
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 1979.711+/-291.132 χ^2/NDF: 56.8/67

In: 2610.845+/-285.397 χ^2/NDF:36.6/54

Out: 1177.152+/-283.537 χ^2/NDF:56.4/60

All: 1889.312+/-201.145 χ^2/NDF: 105.7/115



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: 1856.204+/-0.293 χ^2/NDF: 544368.7/35

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

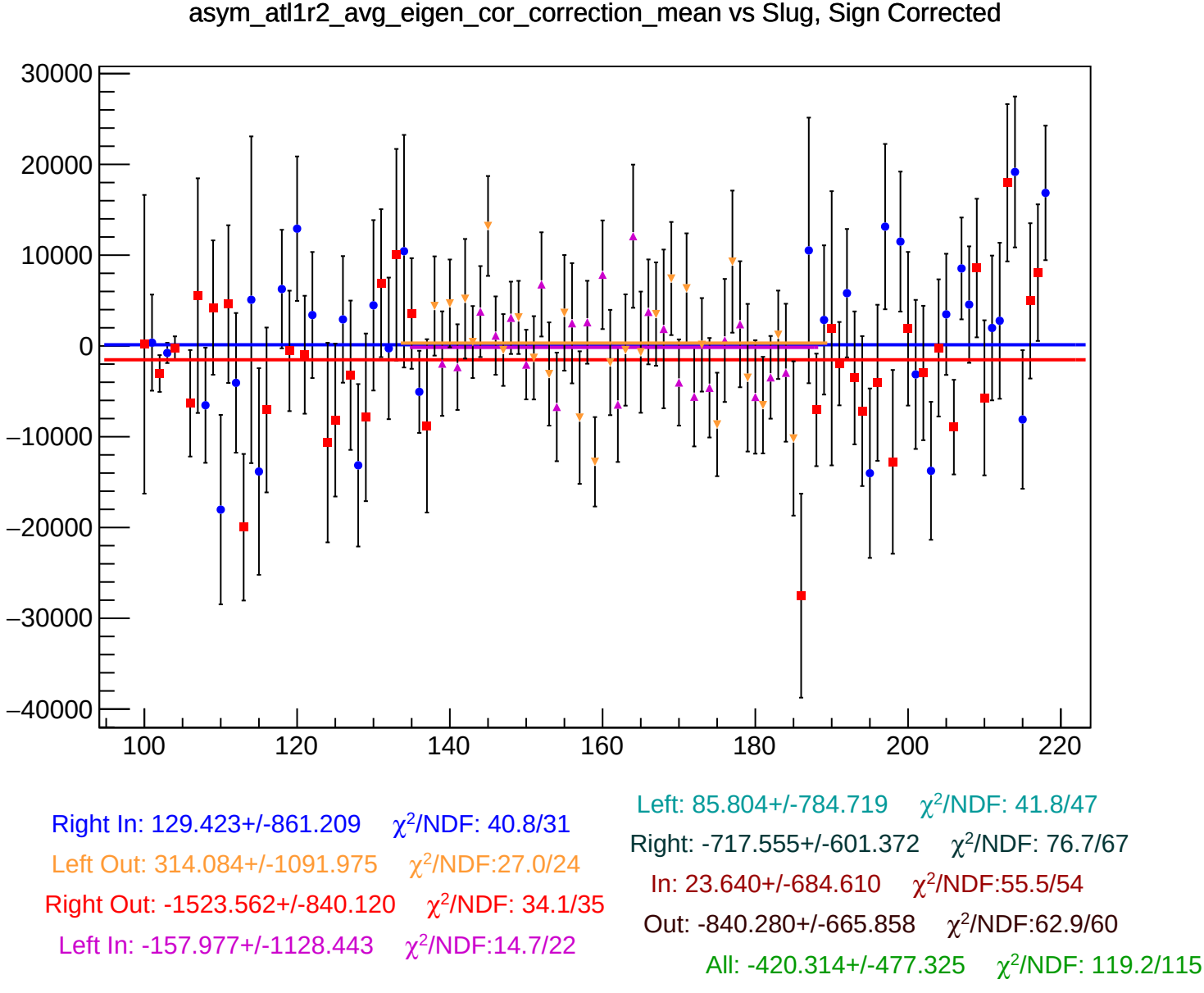
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

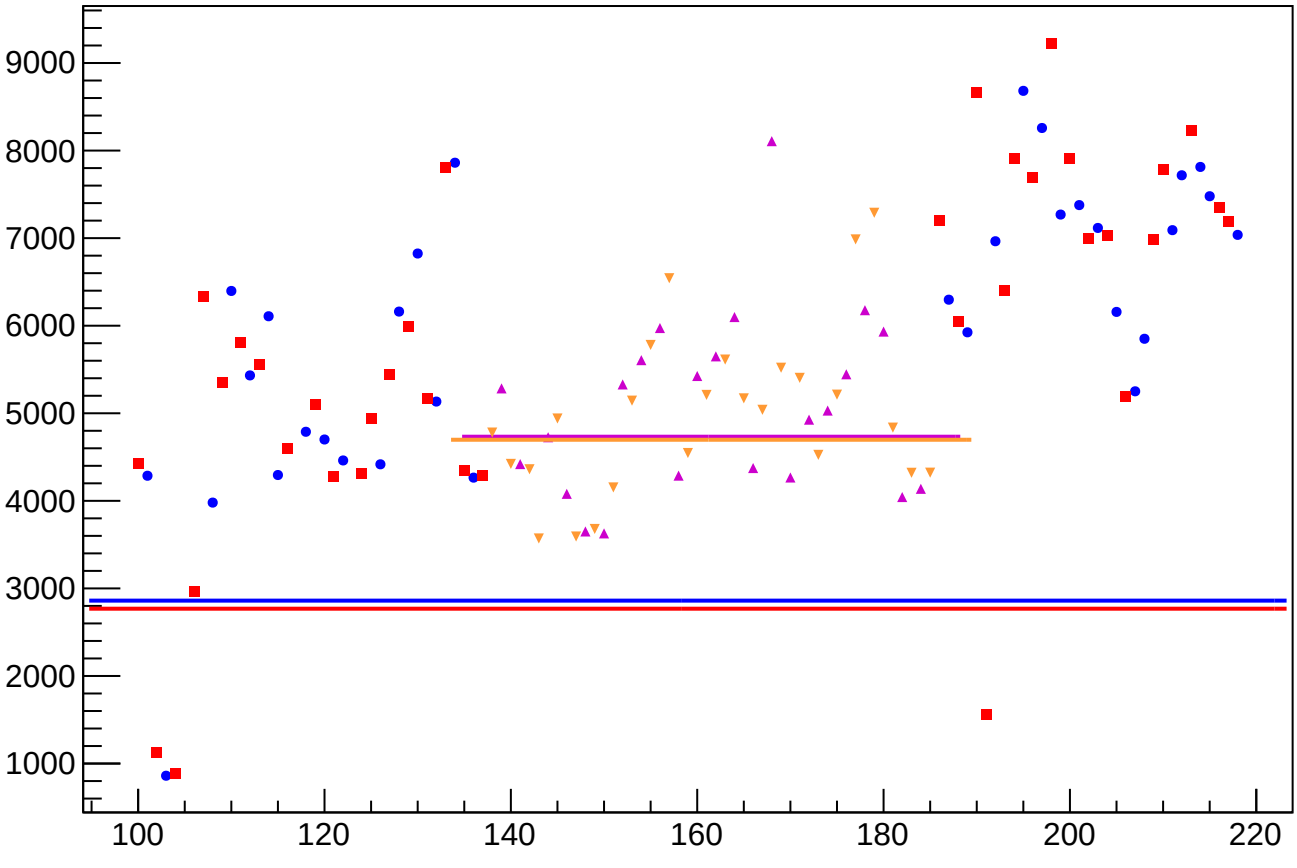
Right: 1845.296+/-0.206 χ^2/NDF: 834545.5/67

In: 1767.423+/-0.202 χ^2/NDF:414671.3/54

Out: 1779.579+/-0.200 χ^2/NDF:733773.5/60

All: 1773.543+/-0.142 χ^2/NDF: 1150271.5/11


asym_atl1r2_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: 129.423+/-861.209 χ²/NDF: 40.8/31
Left Out: 314.084+/-1091.975 χ²/NDF:27.0/24
Right Out: -1523.562+/-840.120 χ²/NDF: 34.1/35
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: -717.555+/-601.372 χ²/NDF: 76.7/67
In: 23.640+/-684.610 χ²/NDF:55.5/54
Out: -840.280+/-665.858 χ²/NDF:62.9/60
All: -420.314+/-477.325 χ²/NDF: 119.2/115



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: 2768.285+/-0.594 χ^2/NDF: 18231771.7/35

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

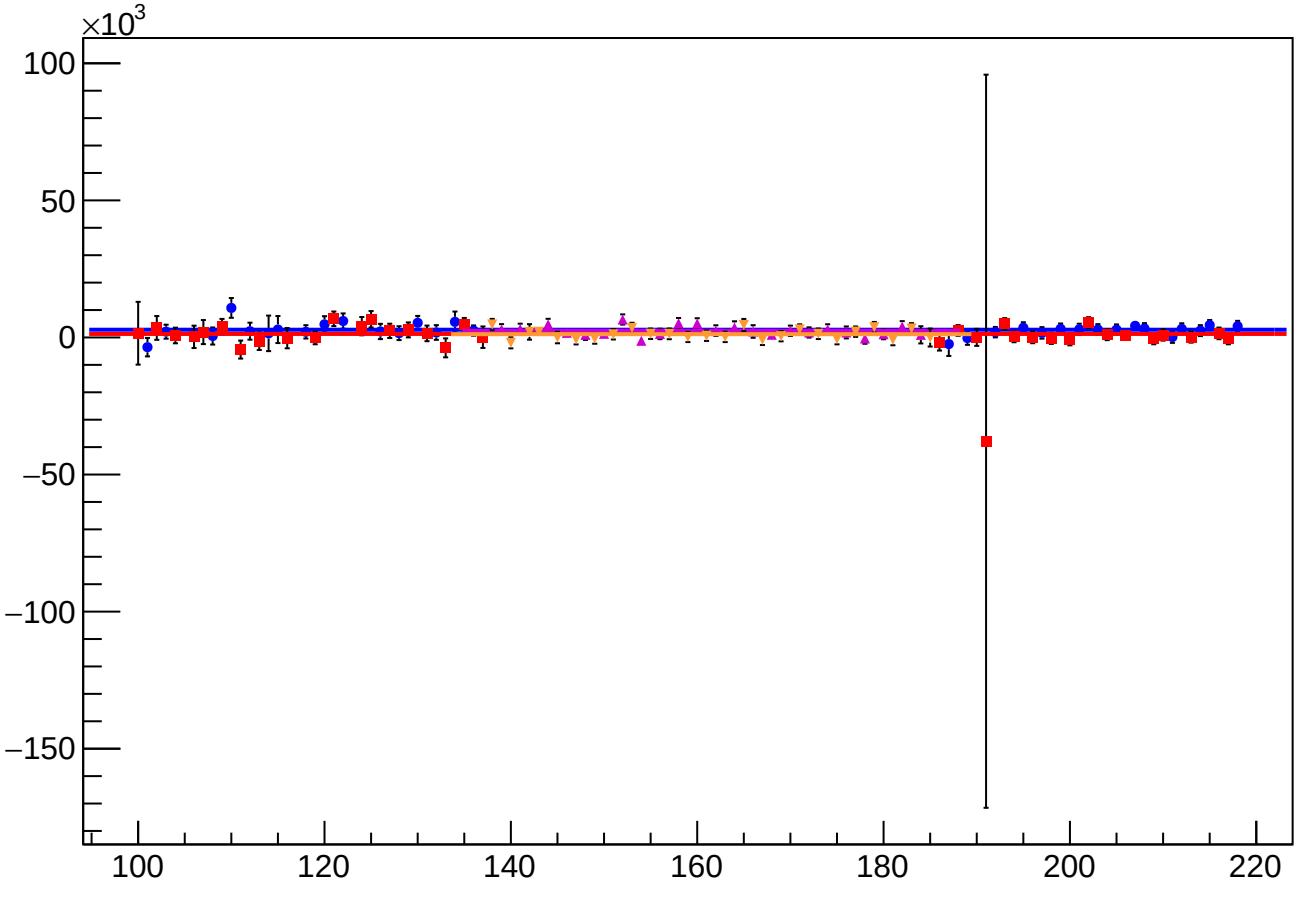
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2813.243+/-0.425 χ^2/NDF: 36222013.7/67

In: 3549.485+/-0.484 χ^2/NDF:22699250.6/54

Out: 3485.659+/-0.471 χ^2/NDF:23393086.9/60

All: 3516.686+/-0.338 χ^2/NDF: 46101270.8/1



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: 1278.170+/-420.404 χ^2/NDF: 31.7/35

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

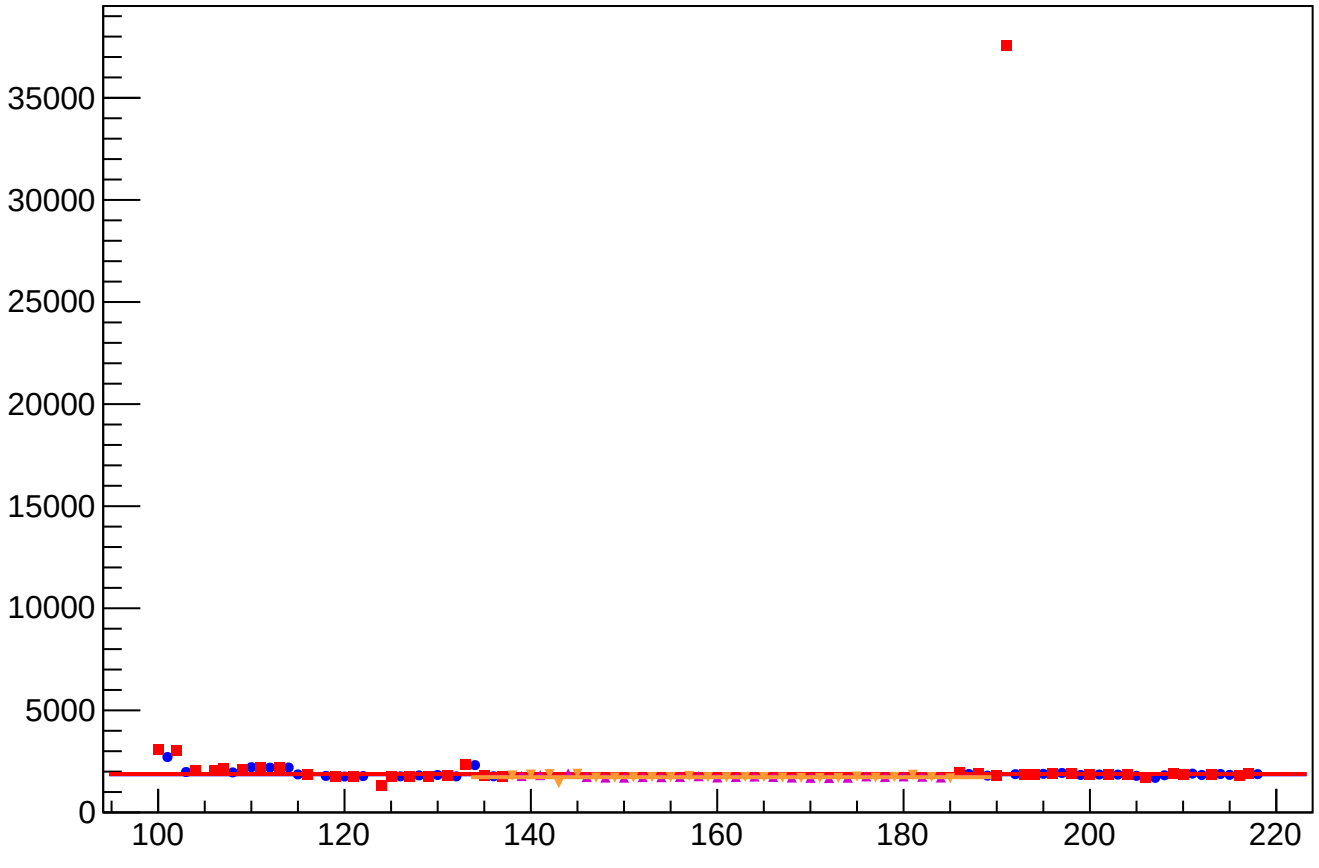
Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

Right: 2056.159+/-296.156 χ^2/NDF: 58.6/67

In: 2625.792+/-291.557 χ^2/NDF:41.2/54

Out: 1235.044+/-287.085 χ^2/NDF:51.2/60

All: 1919.672+/-204.563 χ^2/NDF: 103.9/115



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: 1882.146+/-0.297 χ^2/NDF: 522318.1/35

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

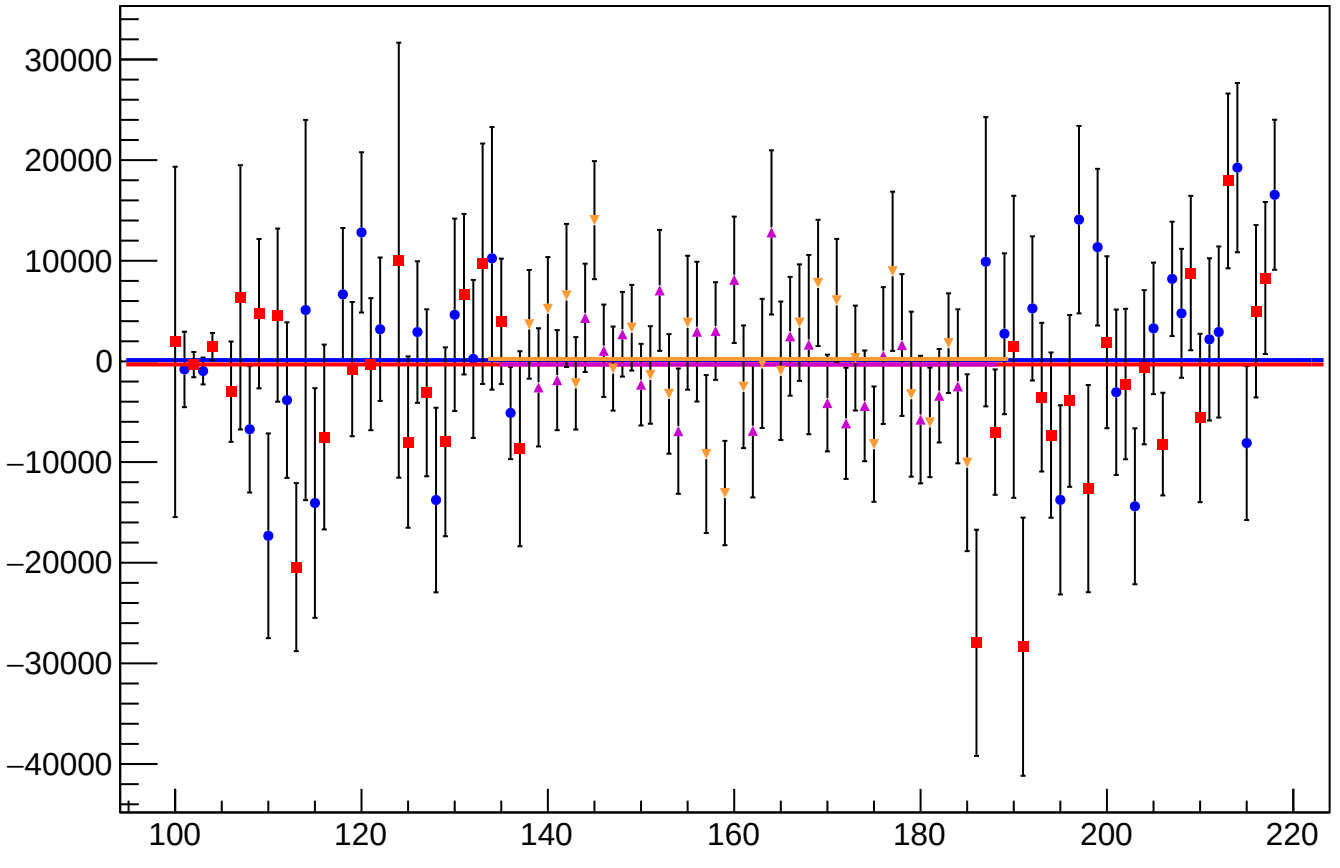
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1875.869+/-0.209 χ^2/NDF: 776379.6/67

In: 1805.684+/-0.206 χ^2/NDF:371900.3/54

Out: 1799.495+/-0.203 χ^2/NDF:777555.9/60

All: 1802.542+/-0.145 χ^2/NDF: 1149913.9/11



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: -303.598+/-768.010 χ^2/NDF: 39.0/35

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

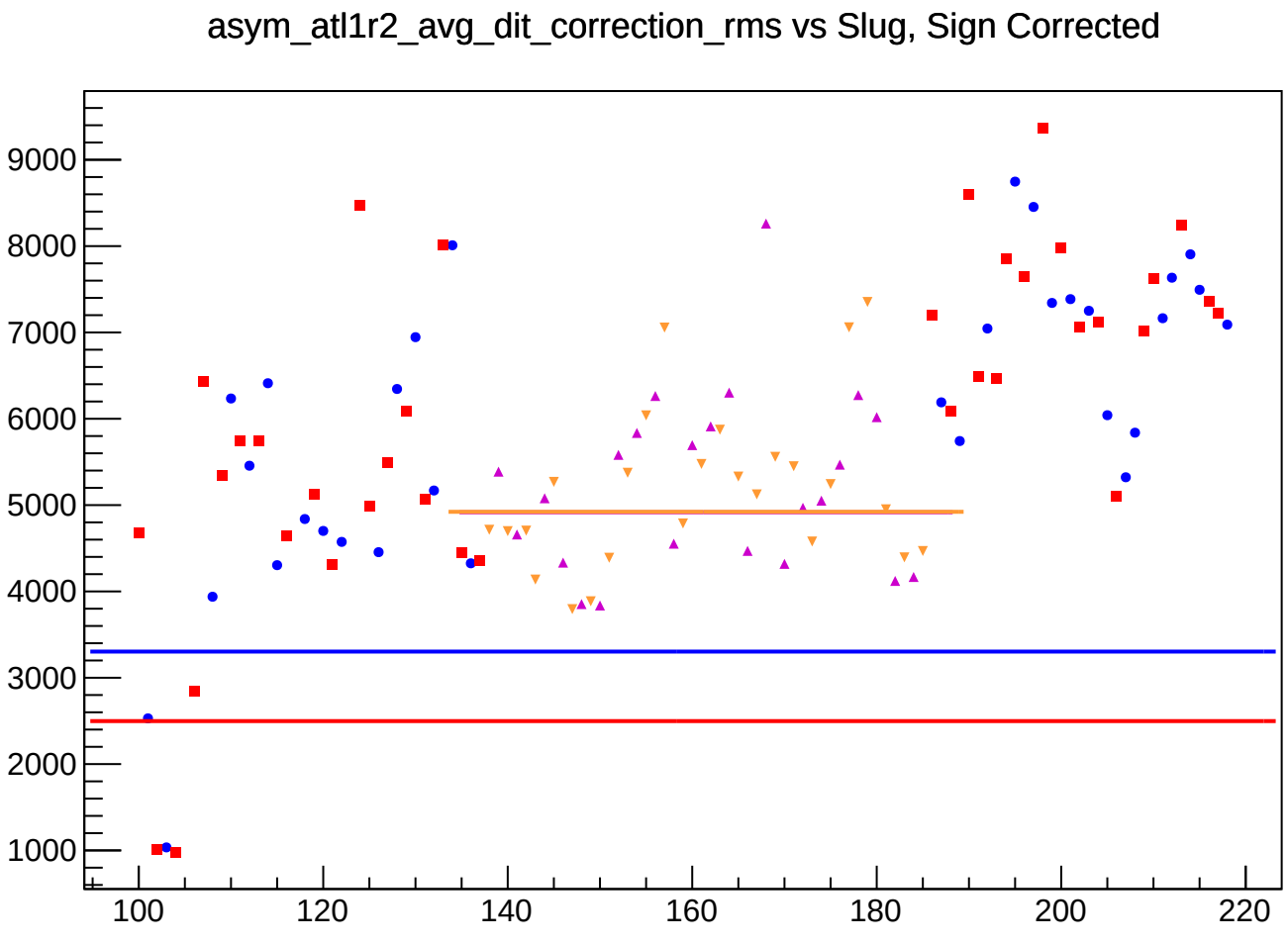
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -128.708+/-594.131 χ^2/NDF: 79.6/67

In: -39.175+/-731.900 χ^2/NDF:55.0/54

Out: -133.743+/-637.117 χ^2/NDF:65.9/60

All: -92.975+/-480.550 χ^2/NDF: 120.9/115



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: 2498.075+/-0.543 χ^2/NDF: 19949164.6/35

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

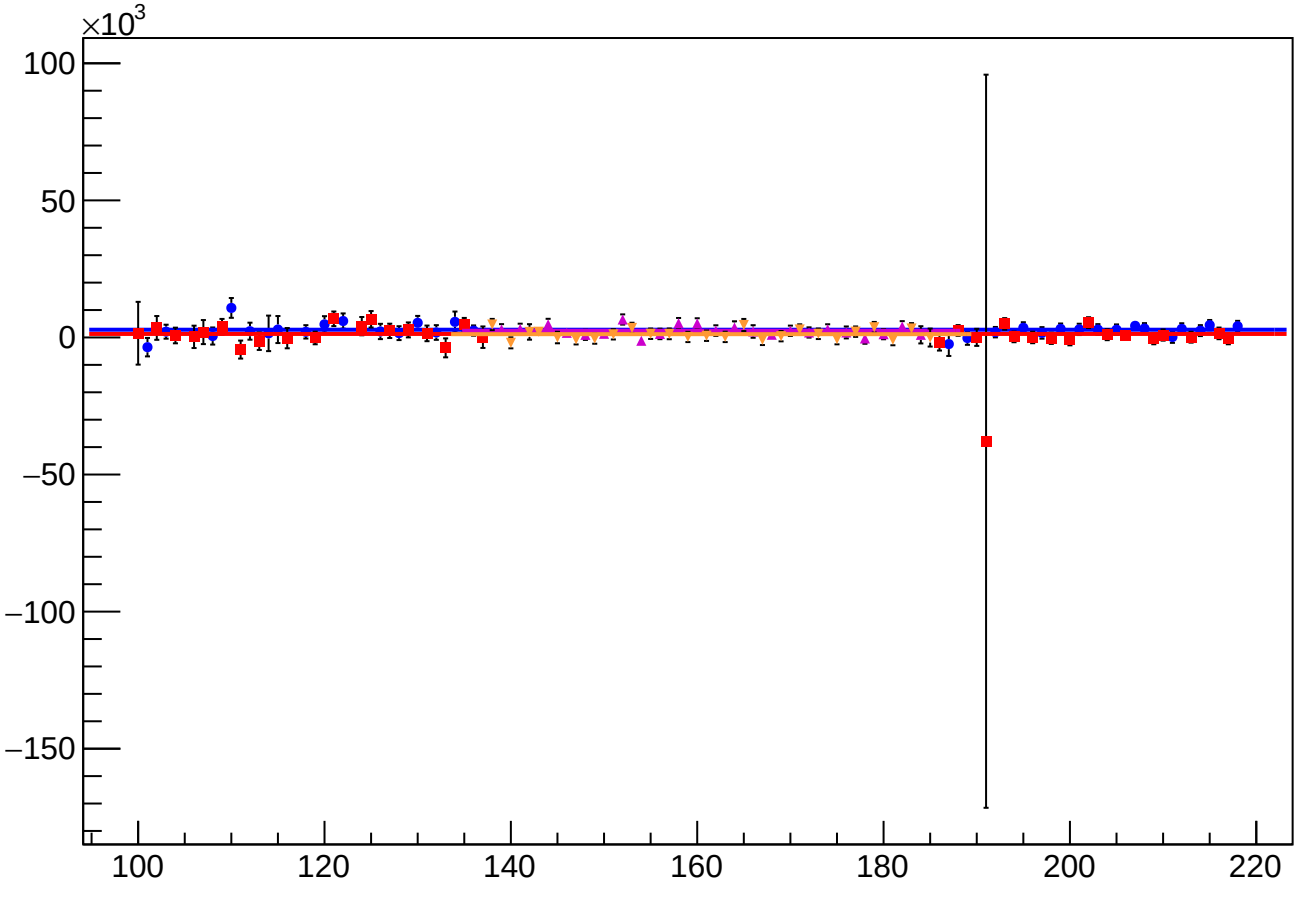
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2821.419+/-0.420 χ^2/NDF: 35670801.7/67

In: 3933.674+/-0.518 χ^2/NDF:18314571.9/54

Out: 3254.011+/-0.451 χ^2/NDF:27213528.0/60

All: 3547.011+/-0.340 χ^2/NDF: 46509289.1/



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: 1278.173+/-420.404 χ^2/NDF: 31.7/35

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

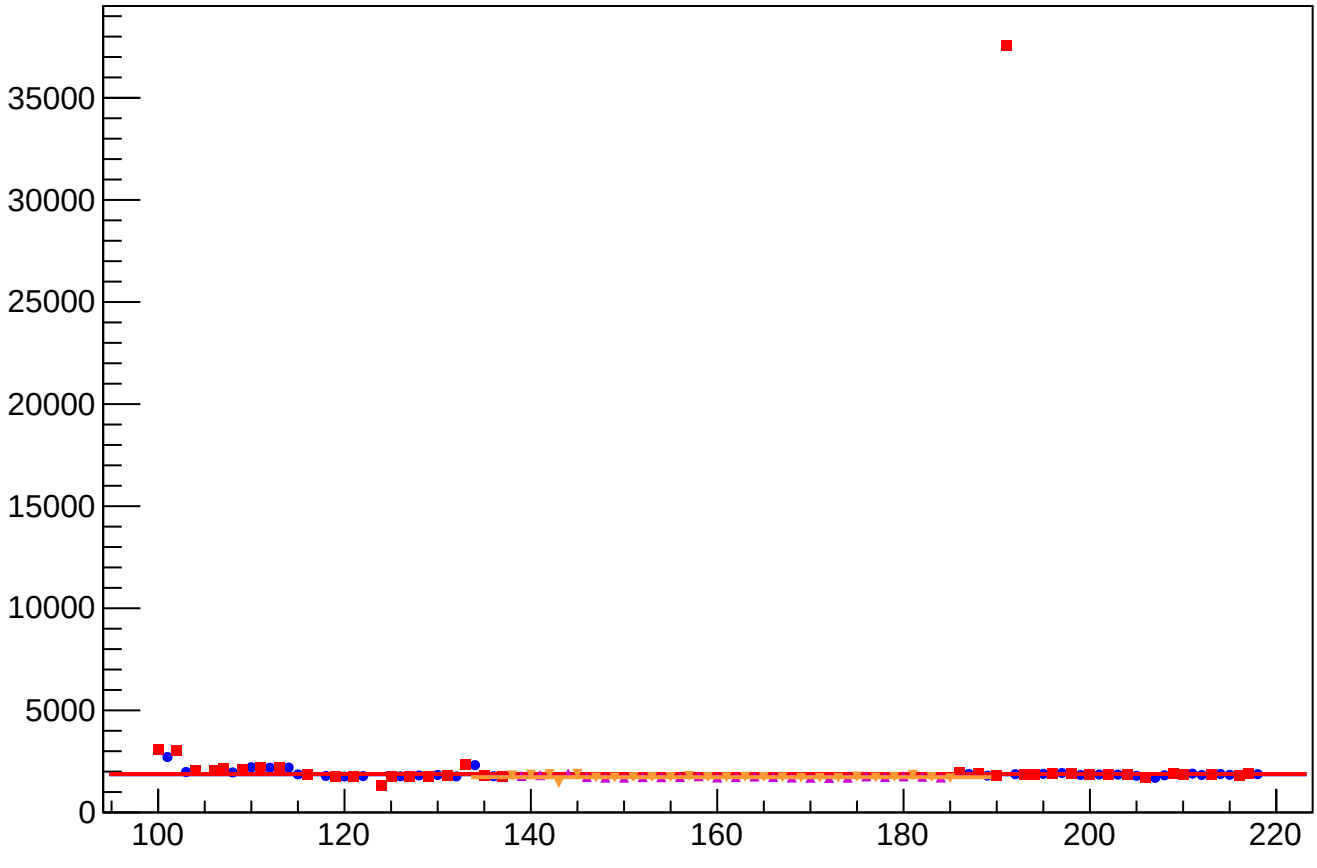
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2056.156+/-296.156 χ^2/NDF: 58.6/67

In: 2625.789+/-291.557 χ^2/NDF:41.2/54

Out: 1235.043+/-287.085 χ^2/NDF:51.2/60

All: 1919.669+/-204.563 χ^2/NDF: 103.9/115



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: 1882.146+/-0.297 χ^2/NDF: 522316.9/35

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

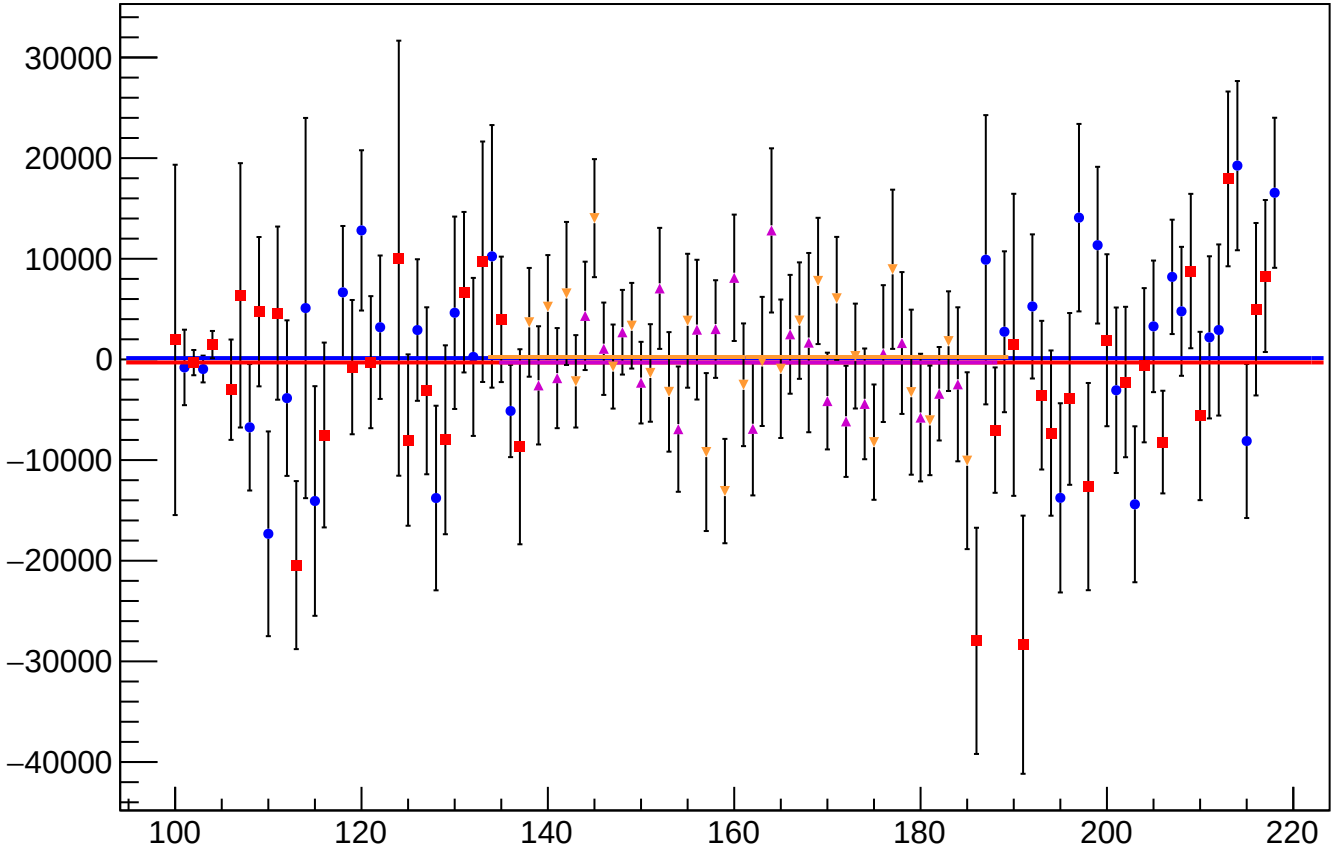
Right: 1875.869+/-0.209 χ^2/NDF: 776378.4/67

In: 1805.685+/-0.206 χ^2/NDF:371898.8/54

Out: 1799.496+/-0.203 χ^2/NDF:777551.8/60

All: 1802.542+/-0.145 χ^2/NDF: 1149908.2/11

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: -303.601+/-768.010 χ^2/NDF: 39.0/35

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

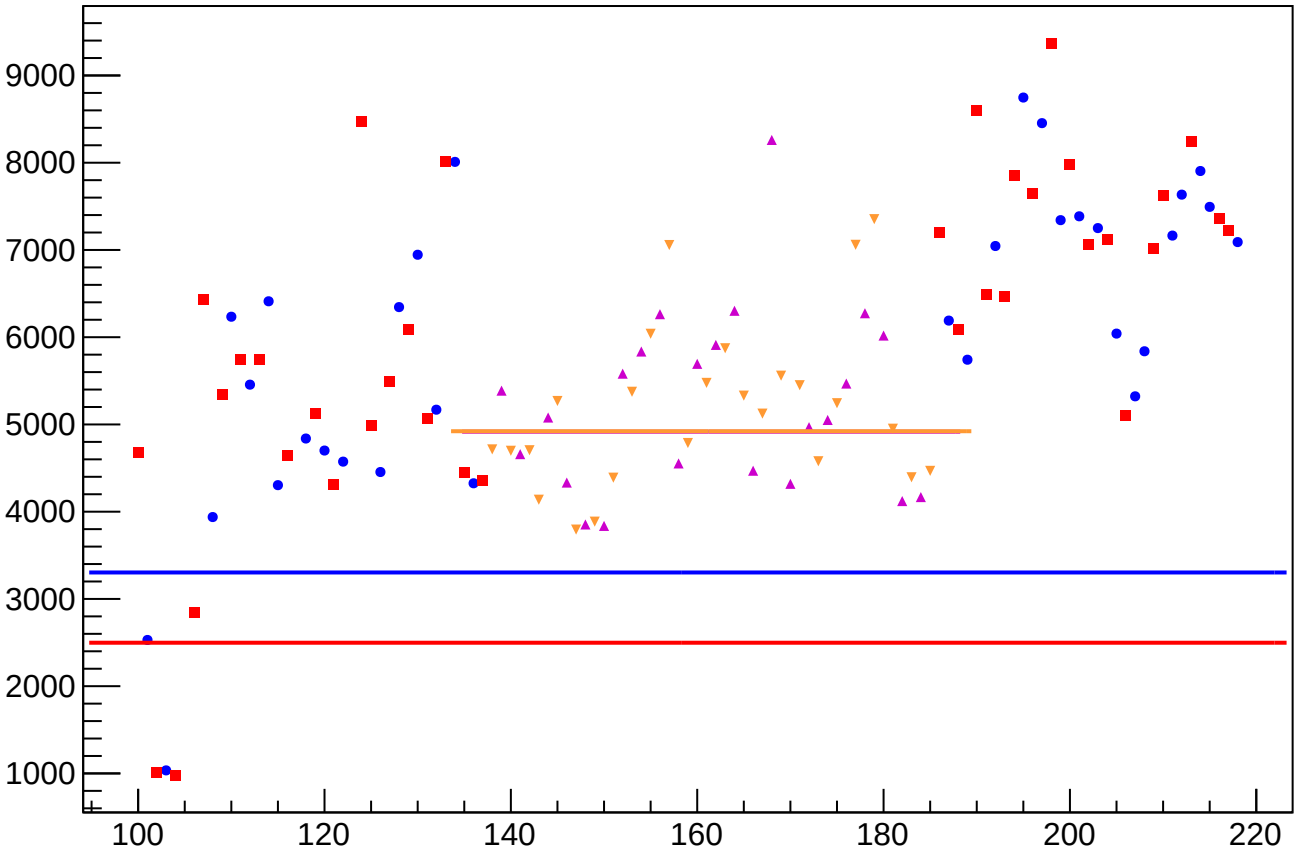
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -128.710+/-594.131 χ^2/NDF: 79.6/67

In: -39.176+/-731.900 χ^2/NDF:55.0/54

Out: -133.747+/-637.117 χ^2/NDF:65.9/60

All: -92.978+/-480.550 χ^2/NDF: 120.9/115



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: 2498.074+/-0.543 χ^2/NDF: 19949172.2/35

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

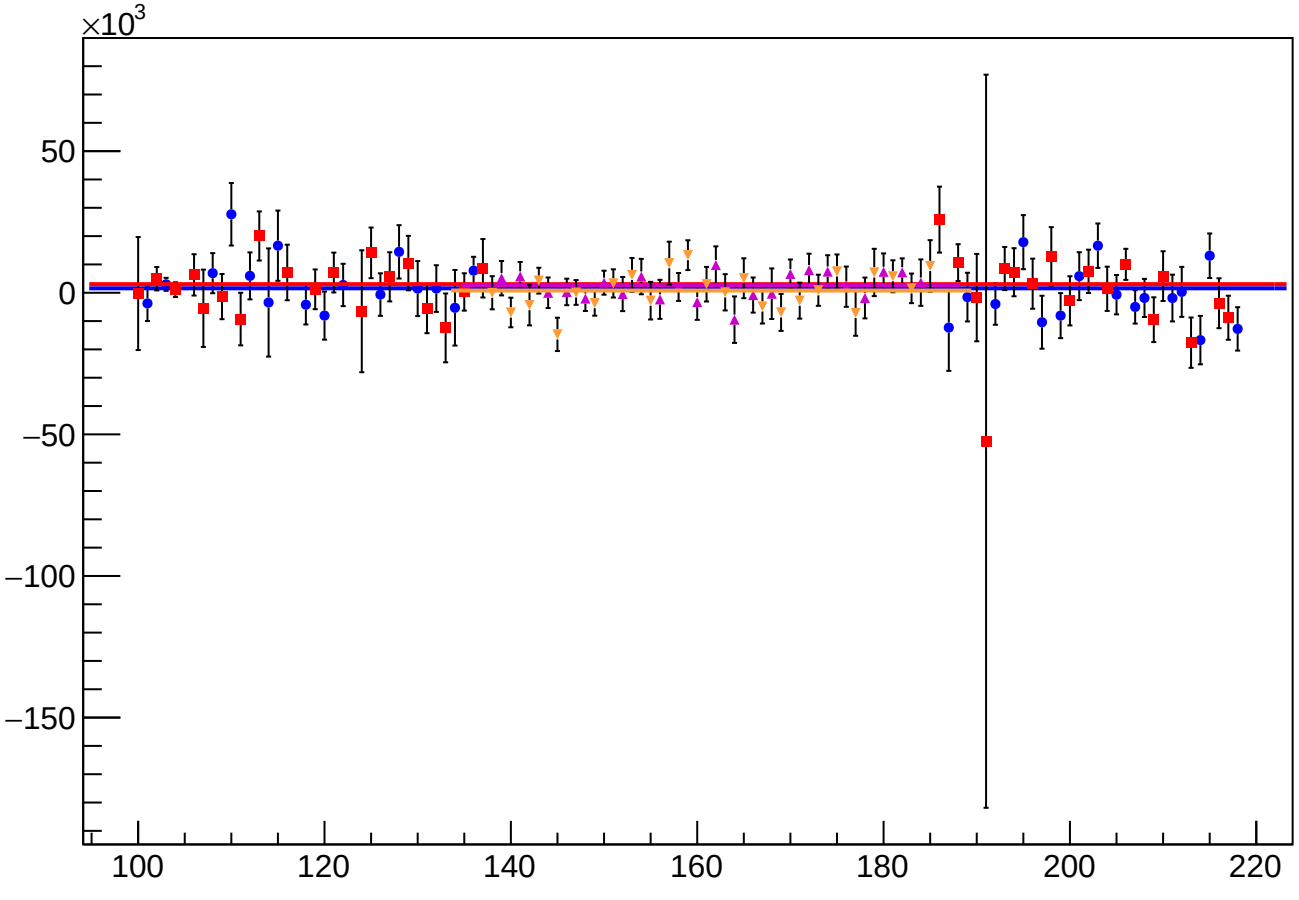
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2821.418+/-0.420 χ^2/NDF: 35670821.2/67

In: 3933.674+/-0.518 χ^2/NDF:18314612.0/54

Out: 3254.010+/-0.451 χ^2/NDF:27213573.1/60

All: 3547.011+/-0.340 χ^2/NDF: 46509376.0/1



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: 3042.806+/-1236.029 χ^2/NDF: 34.0/35

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

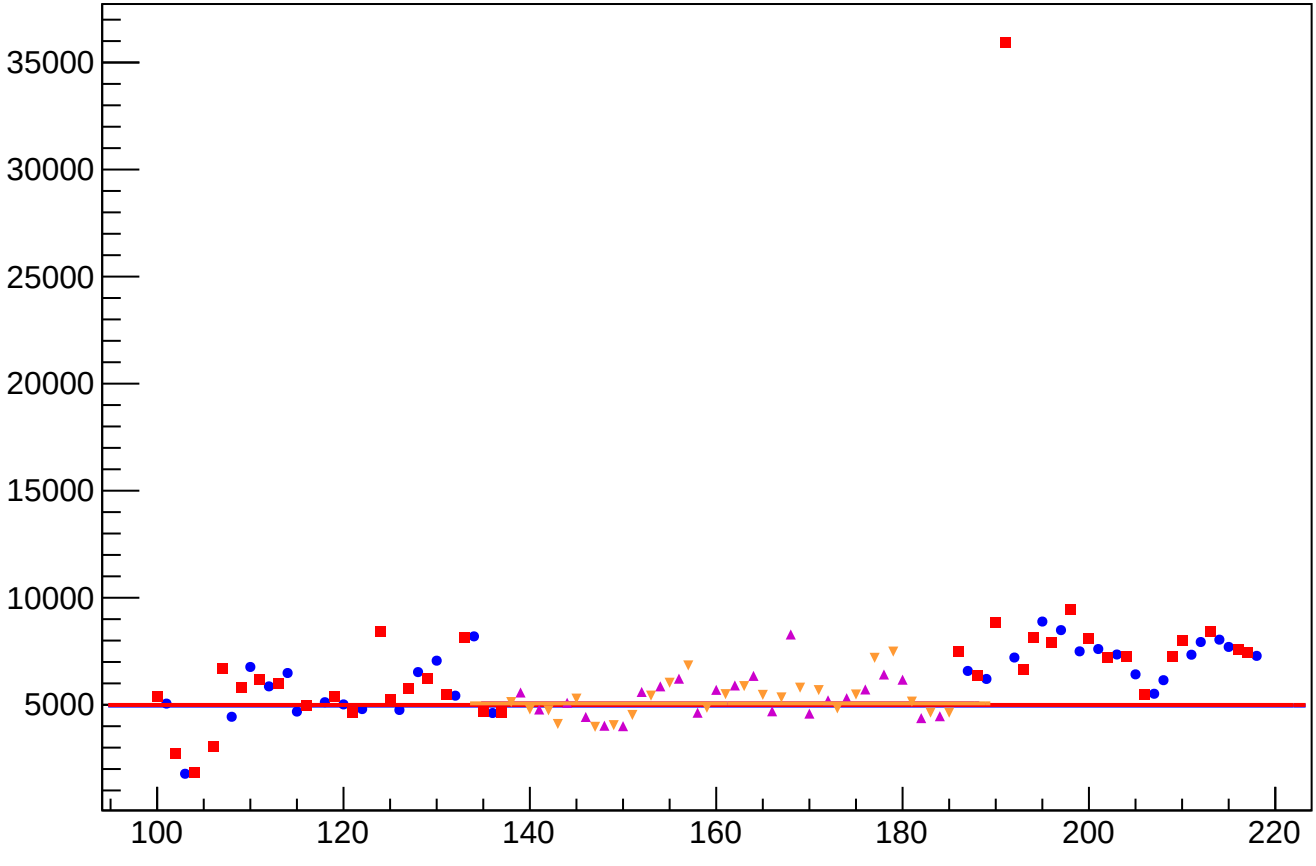
Right: 2294.384+/-867.922 χ^2/NDF: 73.1/67

In: 2141.961+/-857.431 χ^2/NDF:50.8/54

Out: 1855.437+/-850.451 χ^2/NDF:63.3/60

All: 1997.528+/-603.812 χ^2/NDF: 114.1/115

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: 4993.075+/-0.868 χ^2/NDF: 7150386.0/35

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

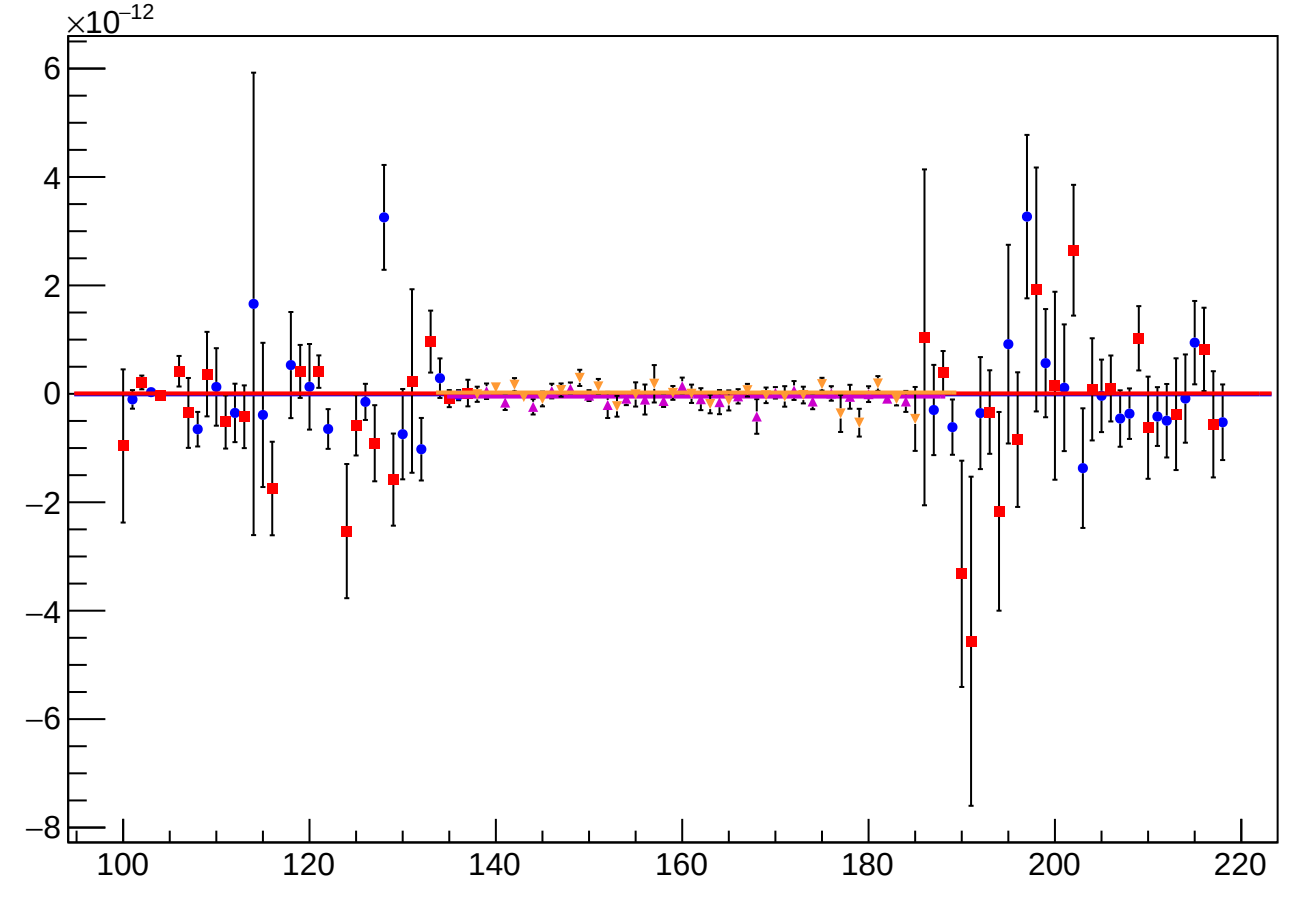
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

Right: 4977.933+/-0.612 χ^2/NDF: 14102537.1/67

In: 5021.977+/-0.606 χ^2/NDF:7962050.0/54

Out: 5032.237+/-0.600 χ^2/NDF:8108525.1/60

All: 5027.165+/-0.426 χ^2/NDF: 16070719.9/1



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: 46.8/35

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

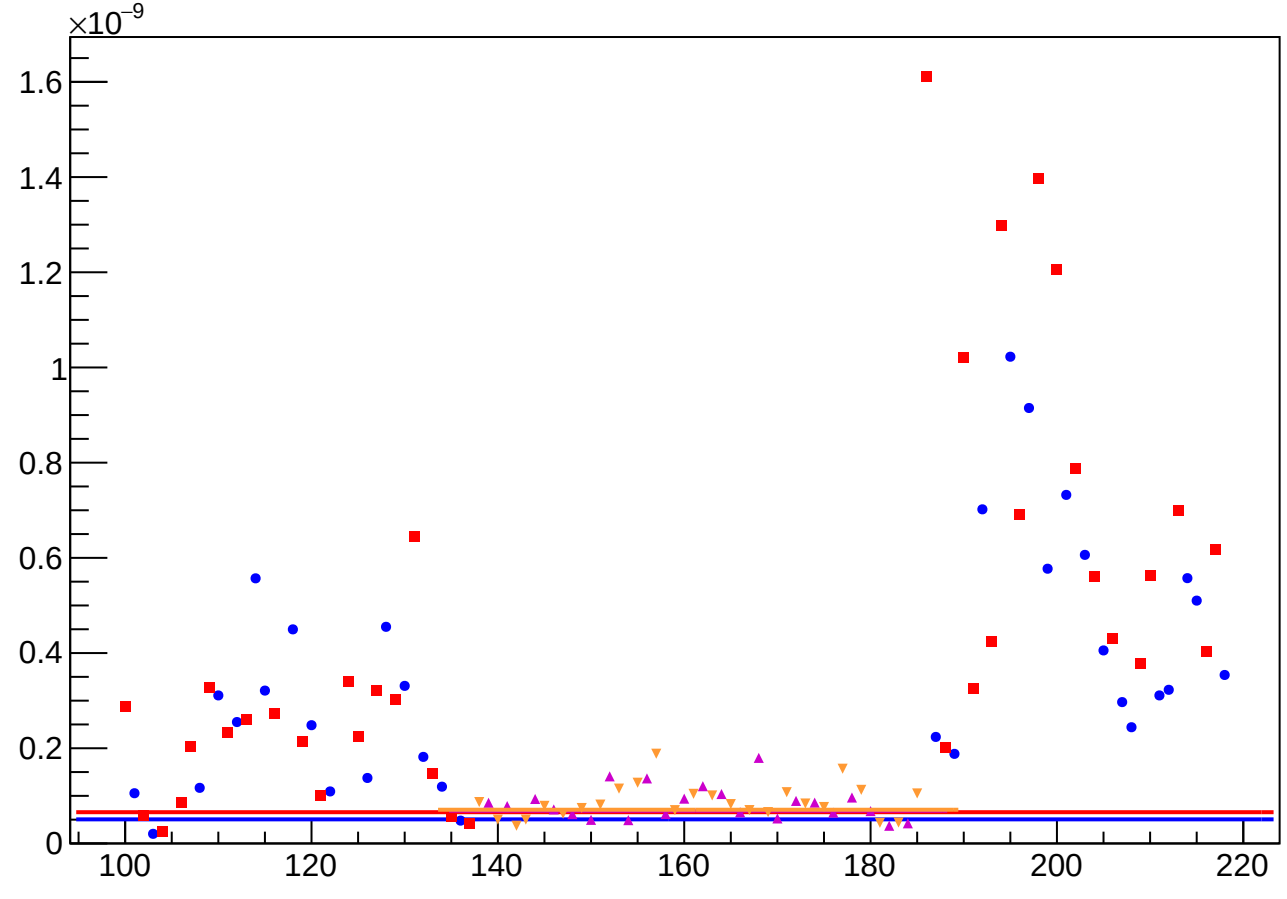
Left: -0.000+/-0.000 χ^2/NDF: 37.9/47

Right: -0.000+/-0.000 χ^2/NDF: 85.3/67

In: -0.000+/-0.000 χ^2/NDF:50.2/54

Out: 0.000+/-0.000 χ^2/NDF:70.5/60

All: -0.000+/-0.000 χ^2/NDF: 123.3/115



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: 12642712.8/35

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

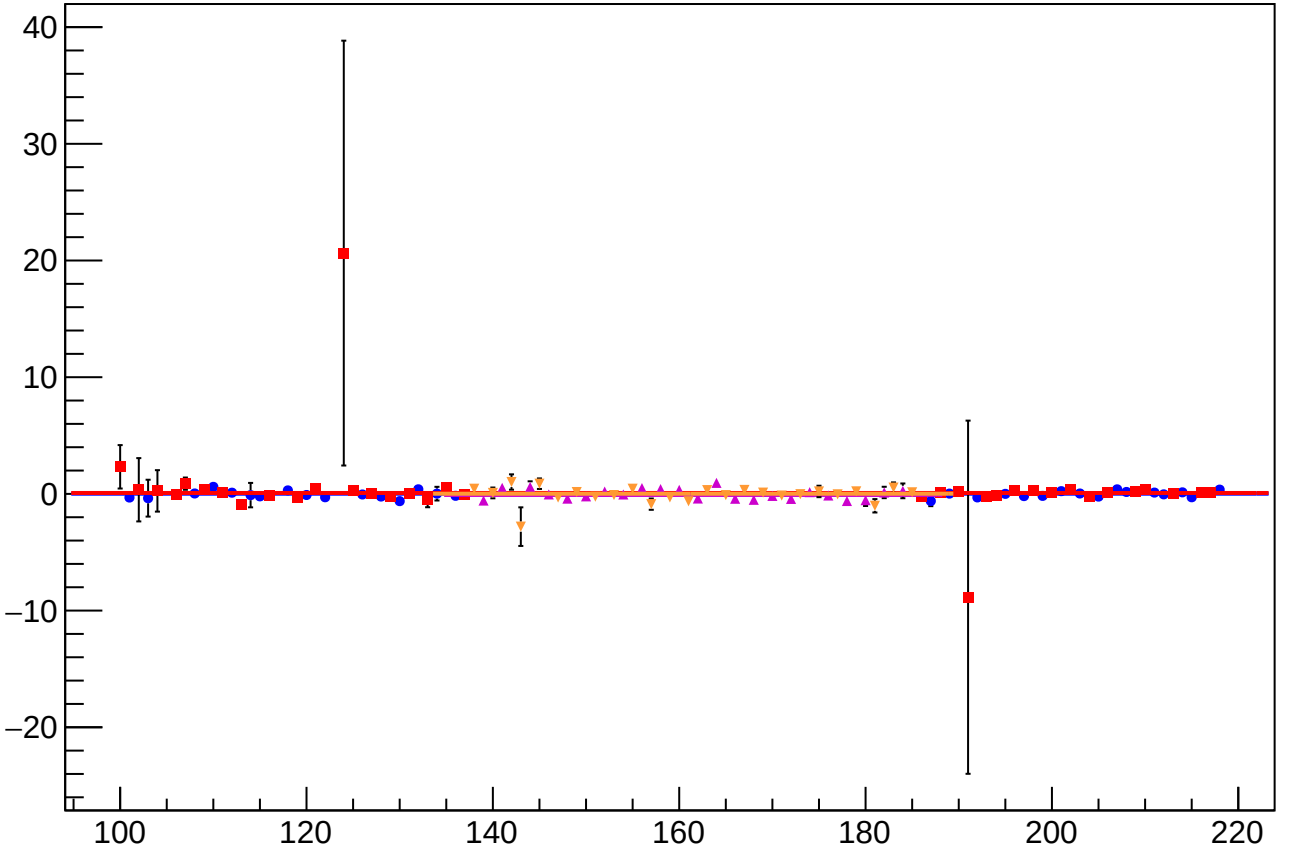
Right: 0.000+/-0.000 χ^2/NDF: 24178689.9/67

In: 0.000+/-0.000 χ^2/NDF:13138792.9/54

Out: 0.000+/-0.000 χ^2/NDF:14151264.2/60

All: 0.000+/-0.000 χ^2/NDF: 27401275.0/115

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: 0.079+/-0.043 χ^2/NDF: 32.2/35

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

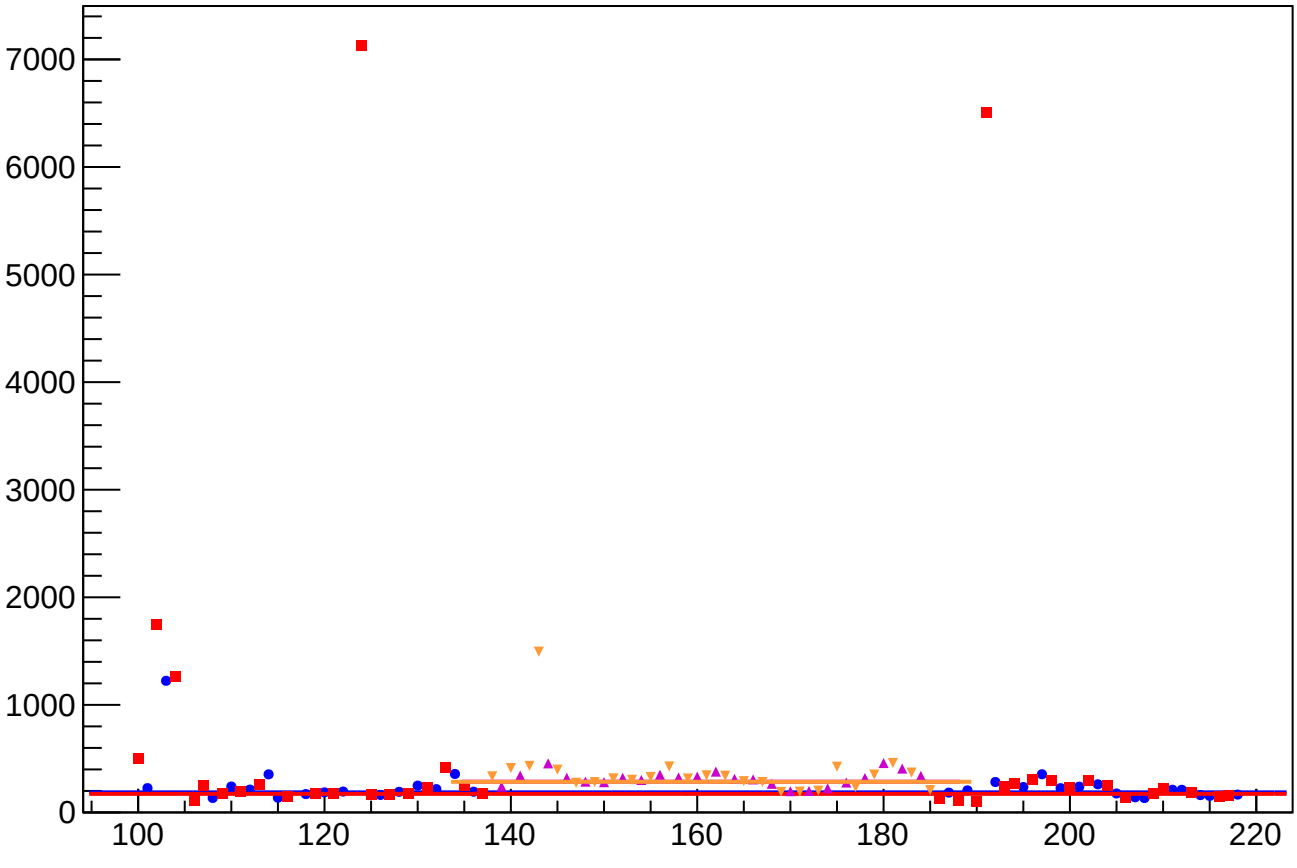
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.050+/-0.031 χ^2/NDF: 65.9/67

In: -0.013+/-0.038 χ^2/NDF:65.3/54

Out: 0.061+/-0.037 χ^2/NDF:61.1/60

All: 0.025+/-0.026 χ^2/NDF: 128.4/115



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: 172.953+/-0.030 χ^2/NDF: 5512154.5/35

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

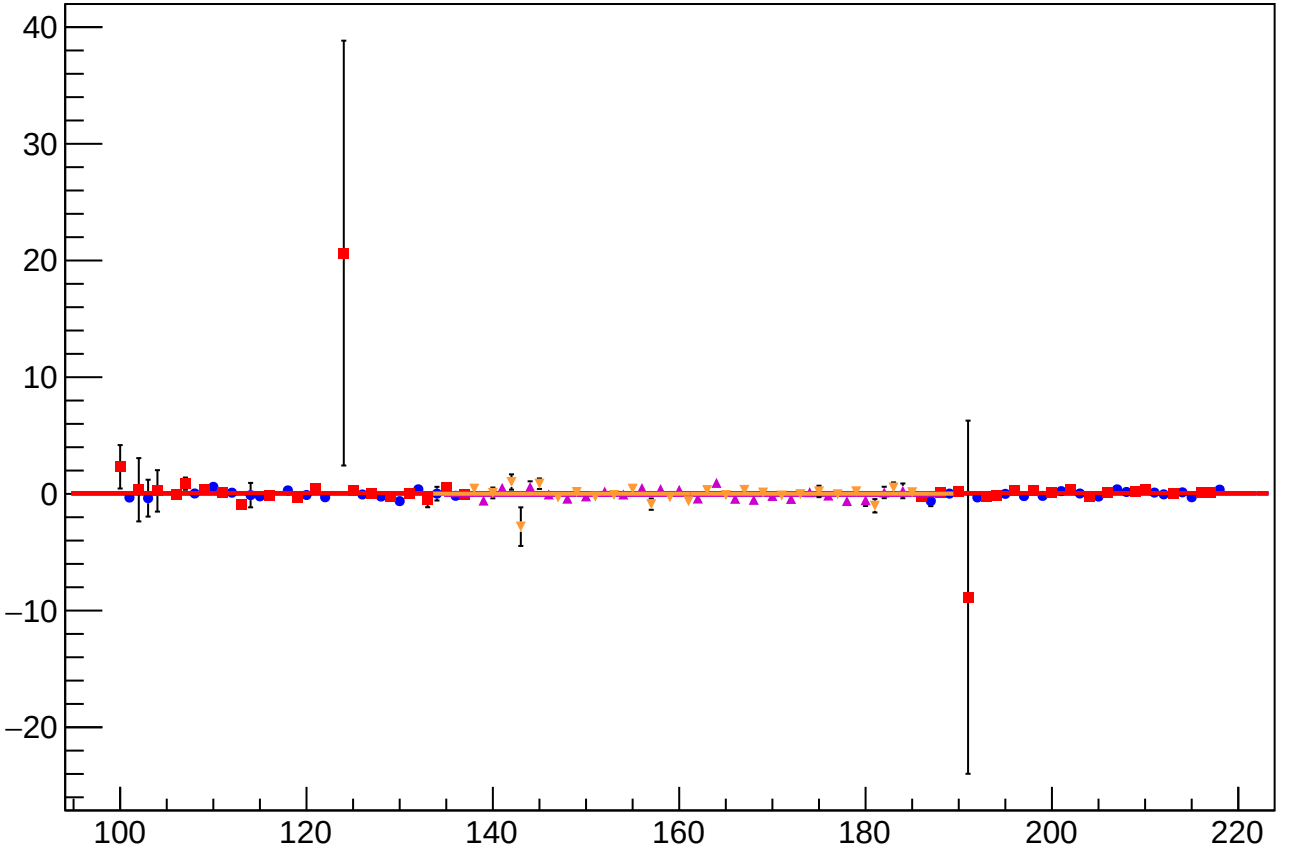
Right: 179.598+/-0.022 χ^2/NDF: 8527205.4/67

In: 215.336+/-0.027 χ^2/NDF:7475828.1/54

Out: 203.593+/-0.026 χ^2/NDF:12664244.6/60

All: 209.265+/-0.019 χ^2/NDF: 20240040.8/11

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: 0.079+/-0.043 χ^2/NDF: 32.2/35

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

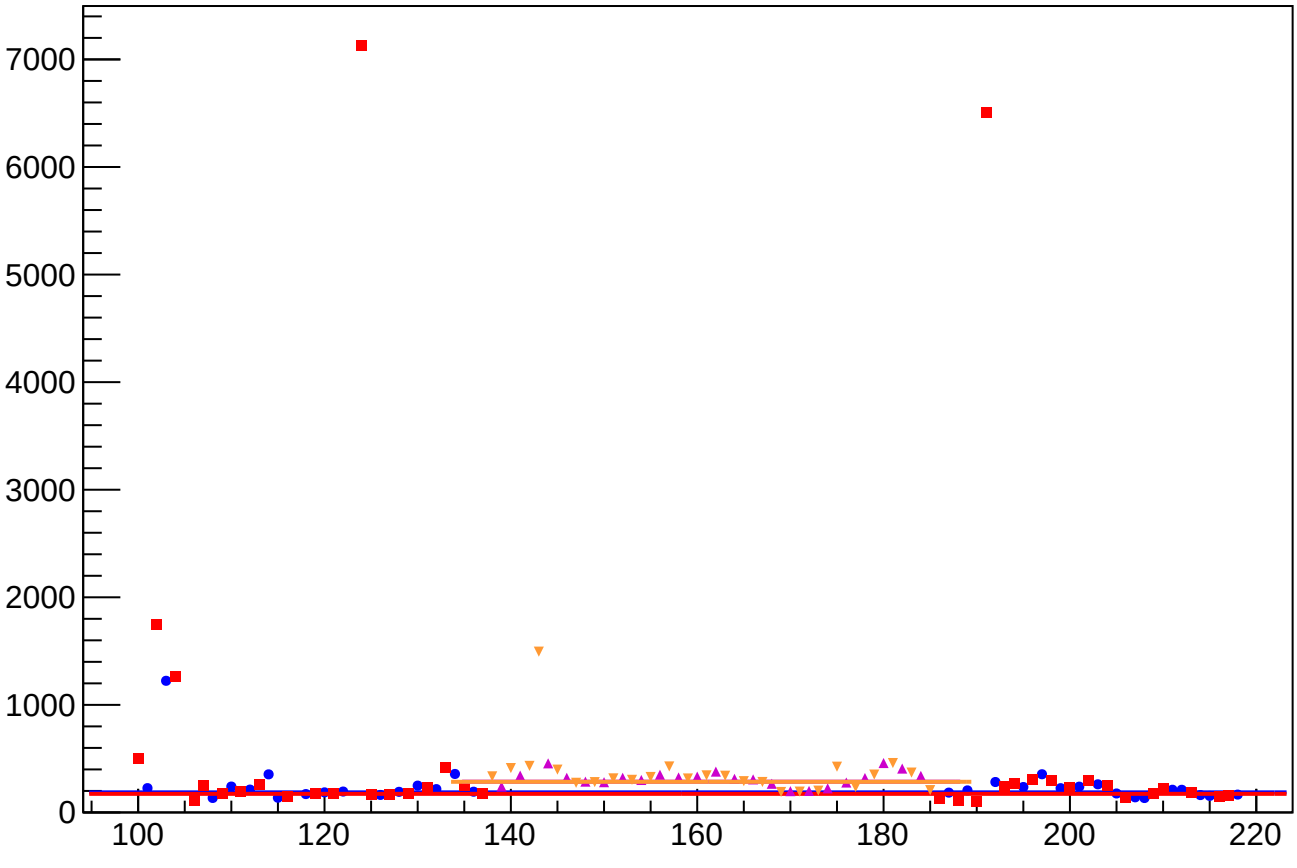
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.050+/-0.031 χ^2/NDF: 65.9/67

In: -0.013+/-0.038 χ^2/NDF:65.3/54

Out: 0.061+/-0.037 χ^2/NDF:61.1/60

All: 0.025+/-0.026 χ^2/NDF: 128.4/115



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: 172.953+/-0.030 χ^2/NDF: 5512154.5/35

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

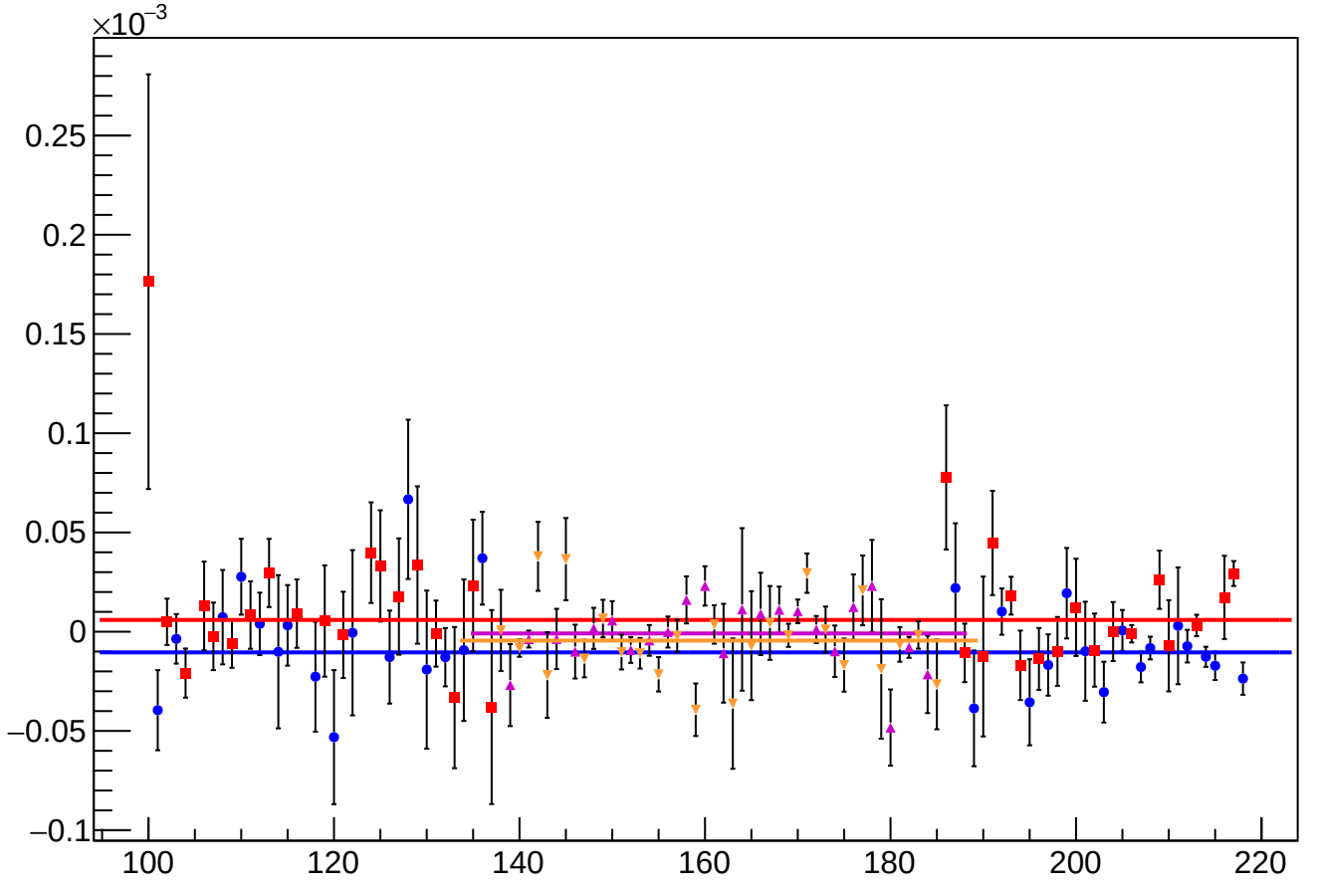
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 179.598+/-0.022 χ^2/NDF: 8527205.4/67

In: 215.336+/-0.027 χ^2/NDF:7475828.1/54

Out: 203.593+/-0.026 χ^2/NDF:12664244.6/60

All: 209.265+/-0.019 χ^2/NDF: 20240040.8/11



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: 50.1/35

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

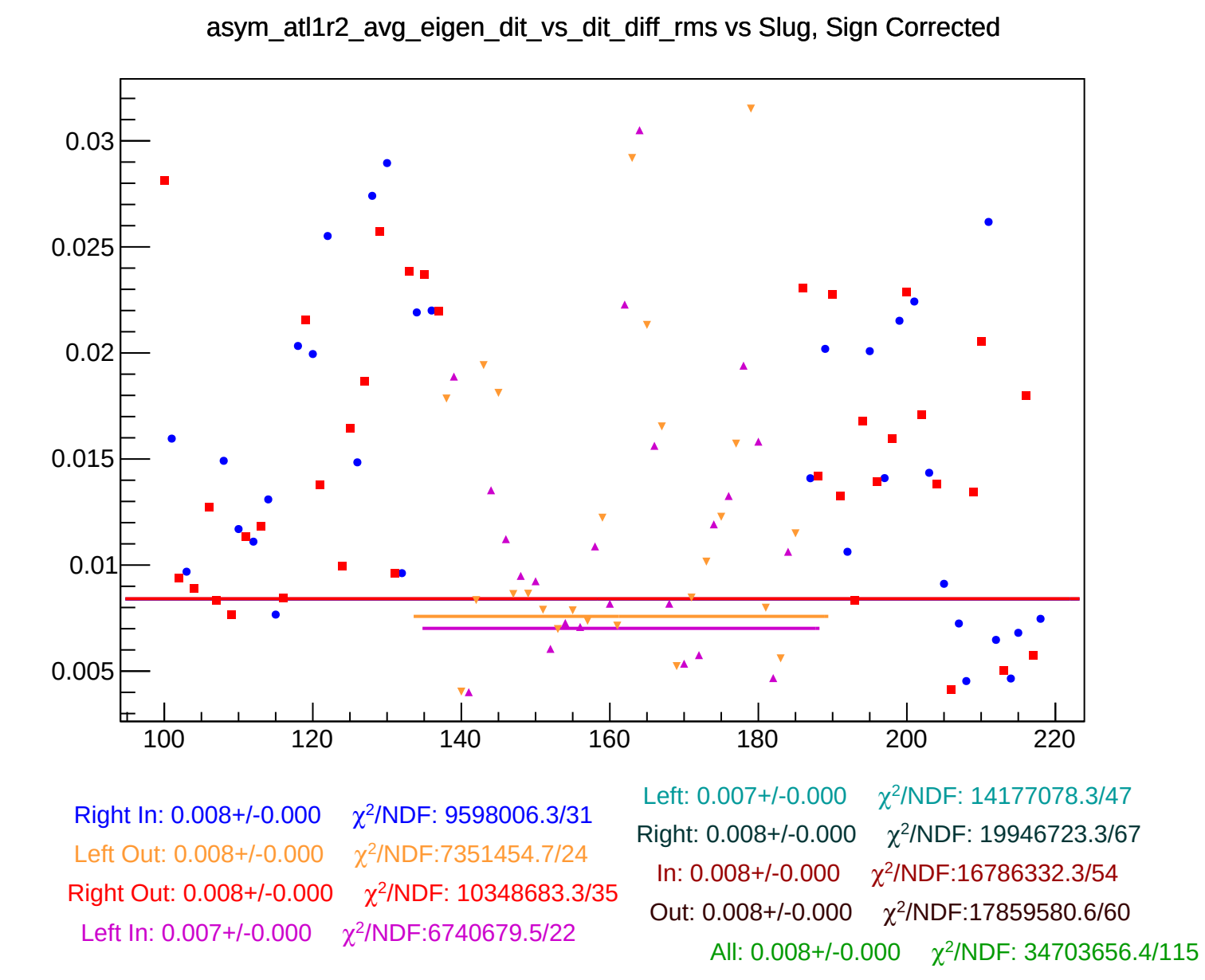
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: -0.000+/-0.000 χ^2/NDF: 111.9/67

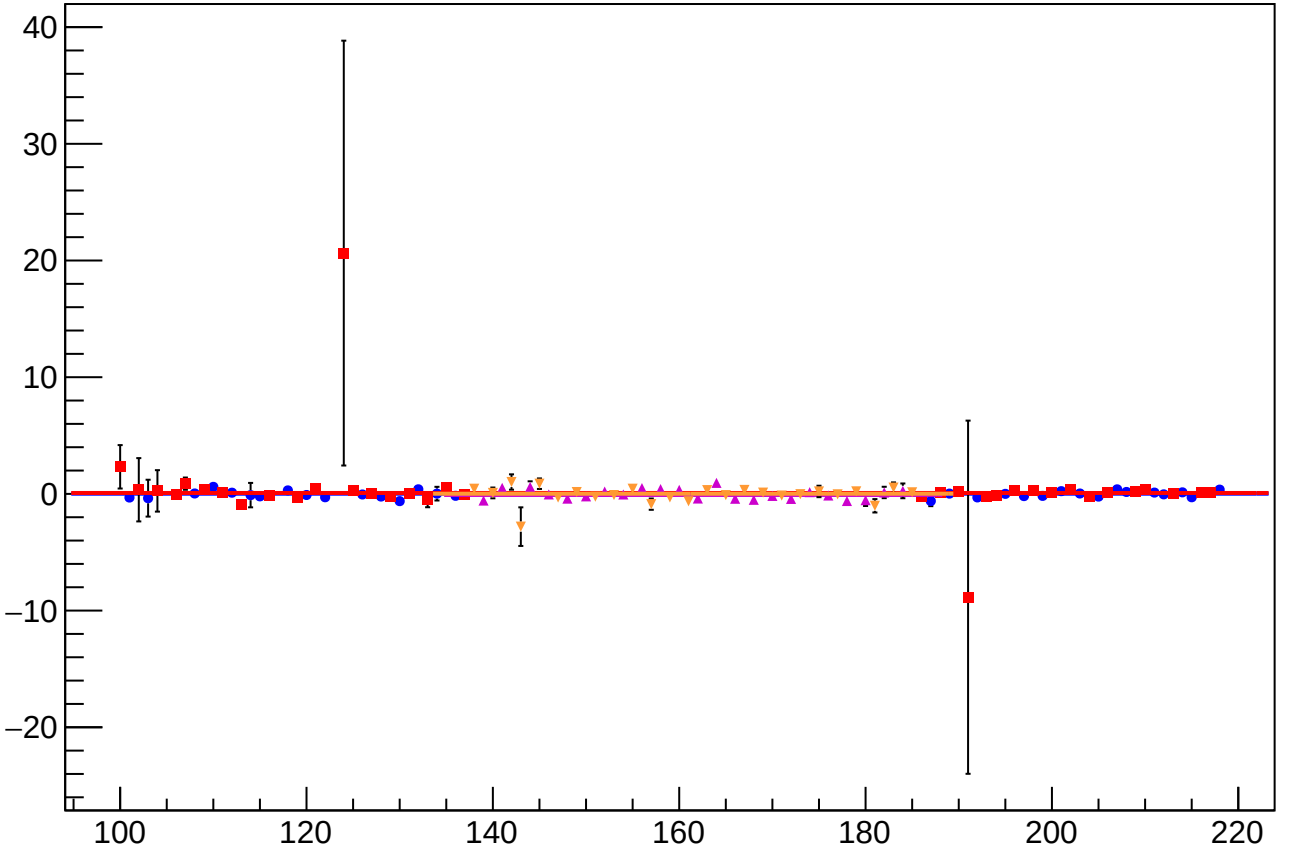
In: -0.000+/-0.000 χ^2/NDF:73.8/54

Out: 0.000+/-0.000 χ^2/NDF:106.5/60

All: -0.000+/-0.000 χ^2/NDF: 186.5/115


asym_atl1r2_avg_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: 0.008+/-0.000 χ²/NDF: 9598006.3/31
Left Out: 0.008+/-0.000 χ²/NDF:7351454.7/24
Right Out: 0.008+/-0.000 χ²/NDF: 10348683.3/35
Left In: 0.007+/-0.000 χ²/NDF:6740679.5/22
Left: 0.007+/-0.000 χ²/NDF: 14177078.3/47
Right: 0.008+/-0.000 χ²/NDF: 19946723.3/67
In: 0.008+/-0.000 χ²/NDF:16786332.3/54
Out: 0.008+/-0.000 χ²/NDF:17859580.6/60
All: 0.008+/-0.000 χ²/NDF: 34703656.4/115

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: 0.079+/-0.043 χ^2/NDF: 32.2/35

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

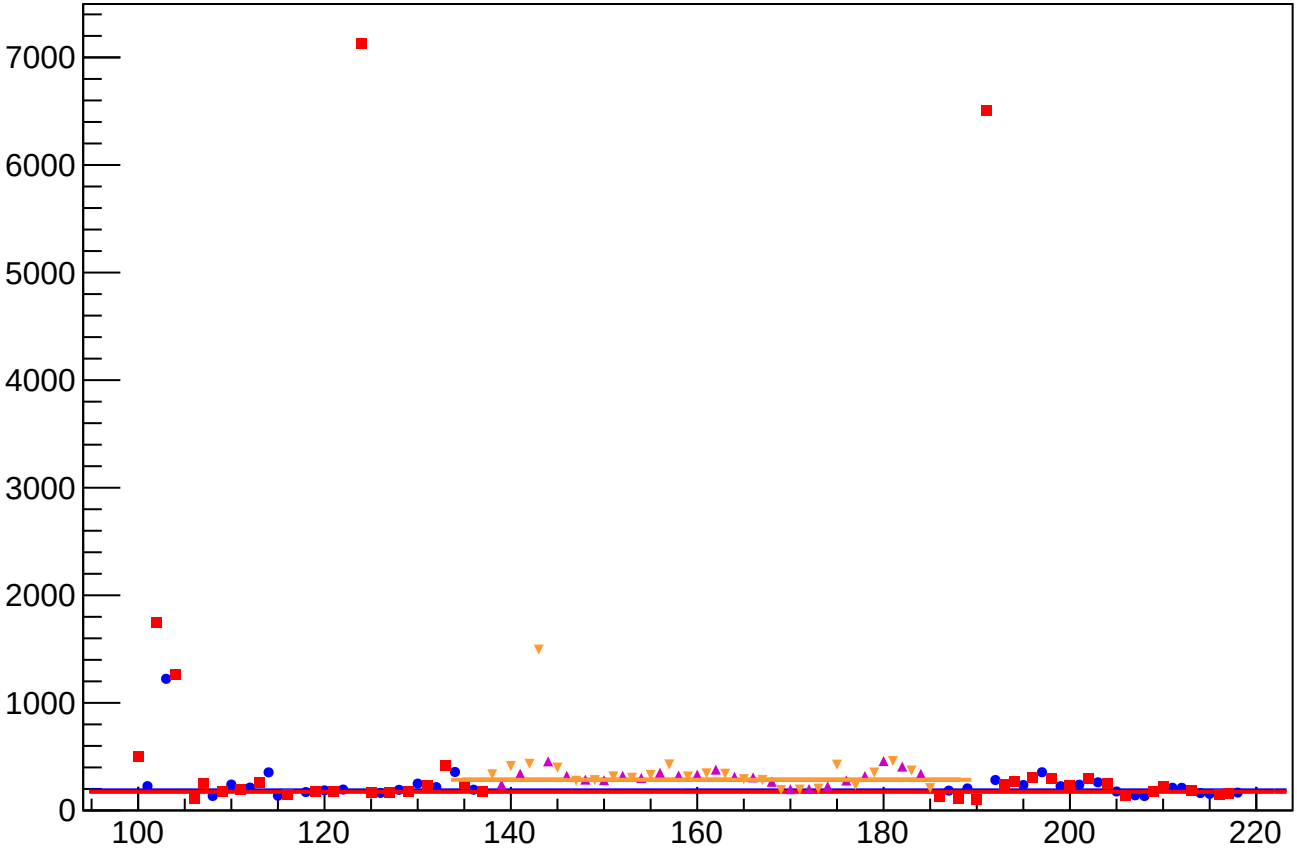
Right: 0.050+/-0.031 χ^2/NDF: 65.9/67

In: -0.013+/-0.038 χ^2/NDF:65.3/54

Out: 0.061+/-0.037 χ^2/NDF:61.1/60

All: 0.025+/-0.026 χ^2/NDF: 128.4/115

asym_atl1r2_avg_eigen_dit_vs_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: 172.951+/-0.030 χ^2/NDF: 5512287.5/35

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

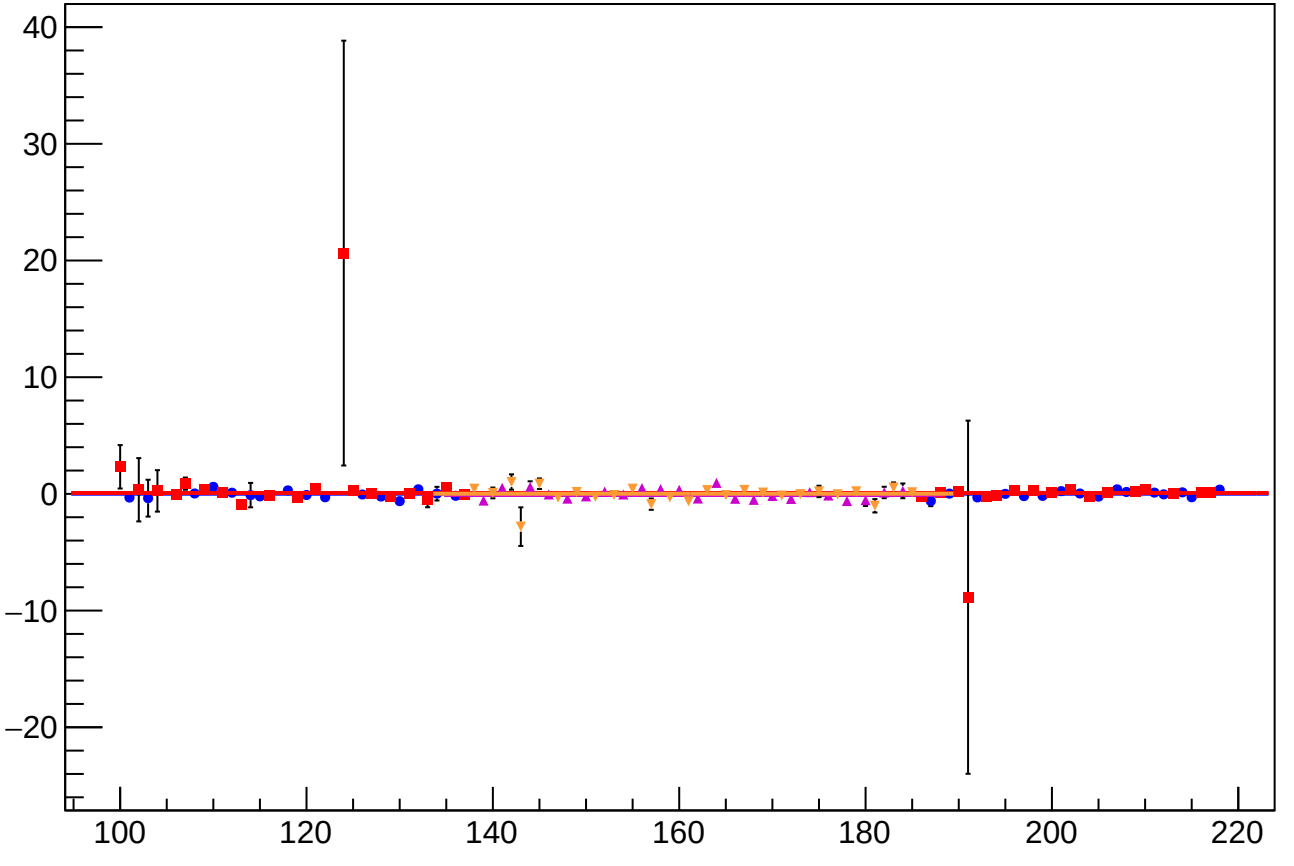
Right: 179.597+/-0.022 χ^2/NDF: 8527372.1/67

In: 215.336+/-0.027 χ^2/NDF:7476052.7/54

Out: 203.591+/-0.026 χ^2/NDF:12664701.9/60

All: 209.264+/-0.019 χ^2/NDF: 20240741.9/11

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: 0.079+/-0.043 χ^2/NDF: 32.2/35

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

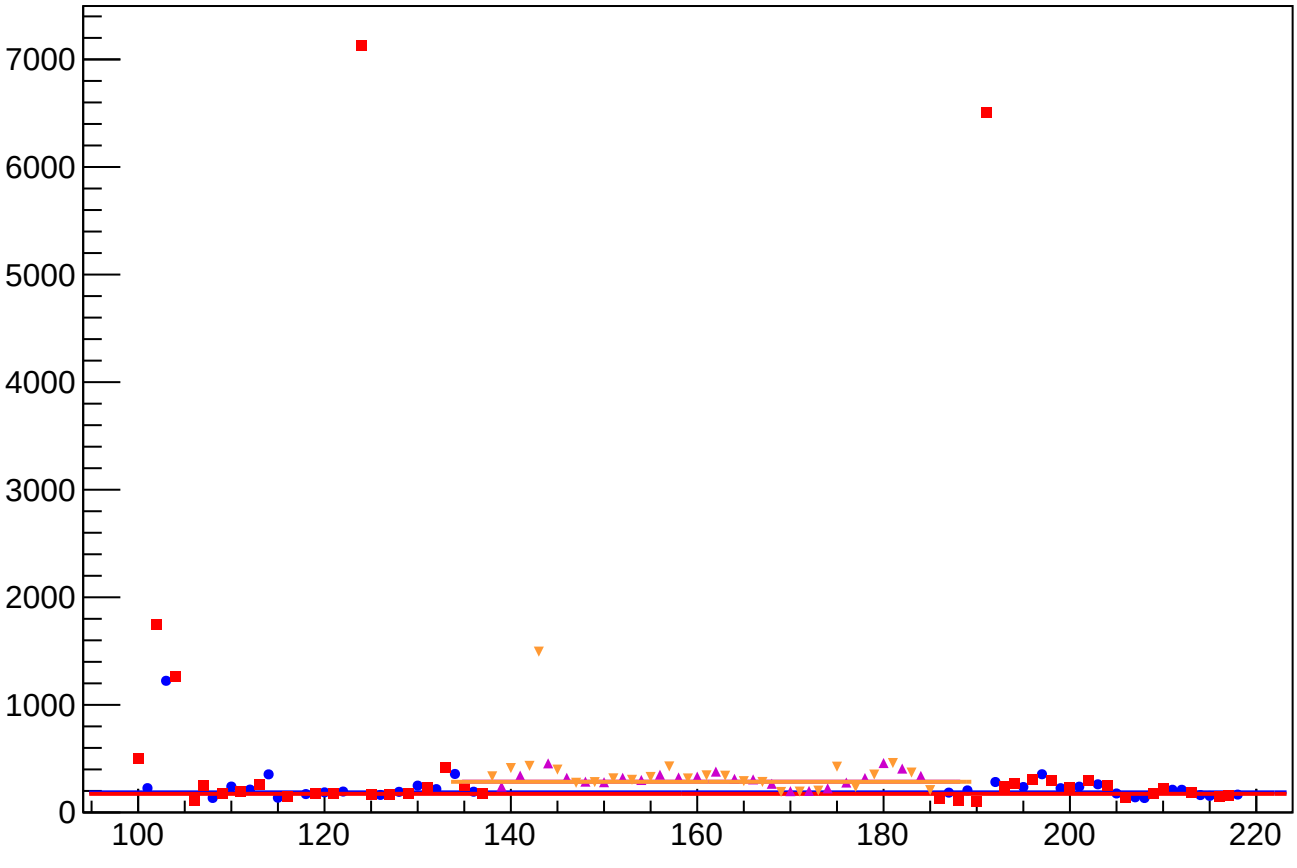
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.050+/-0.031 χ^2/NDF: 65.9/67

In: -0.013+/-0.038 χ^2/NDF:65.3/54

Out: 0.061+/-0.037 χ^2/NDF:61.1/60

All: 0.025+/-0.026 χ^2/NDF: 128.4/115



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: 172.951+/-0.030 χ^2/NDF: 5512287.5/35

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

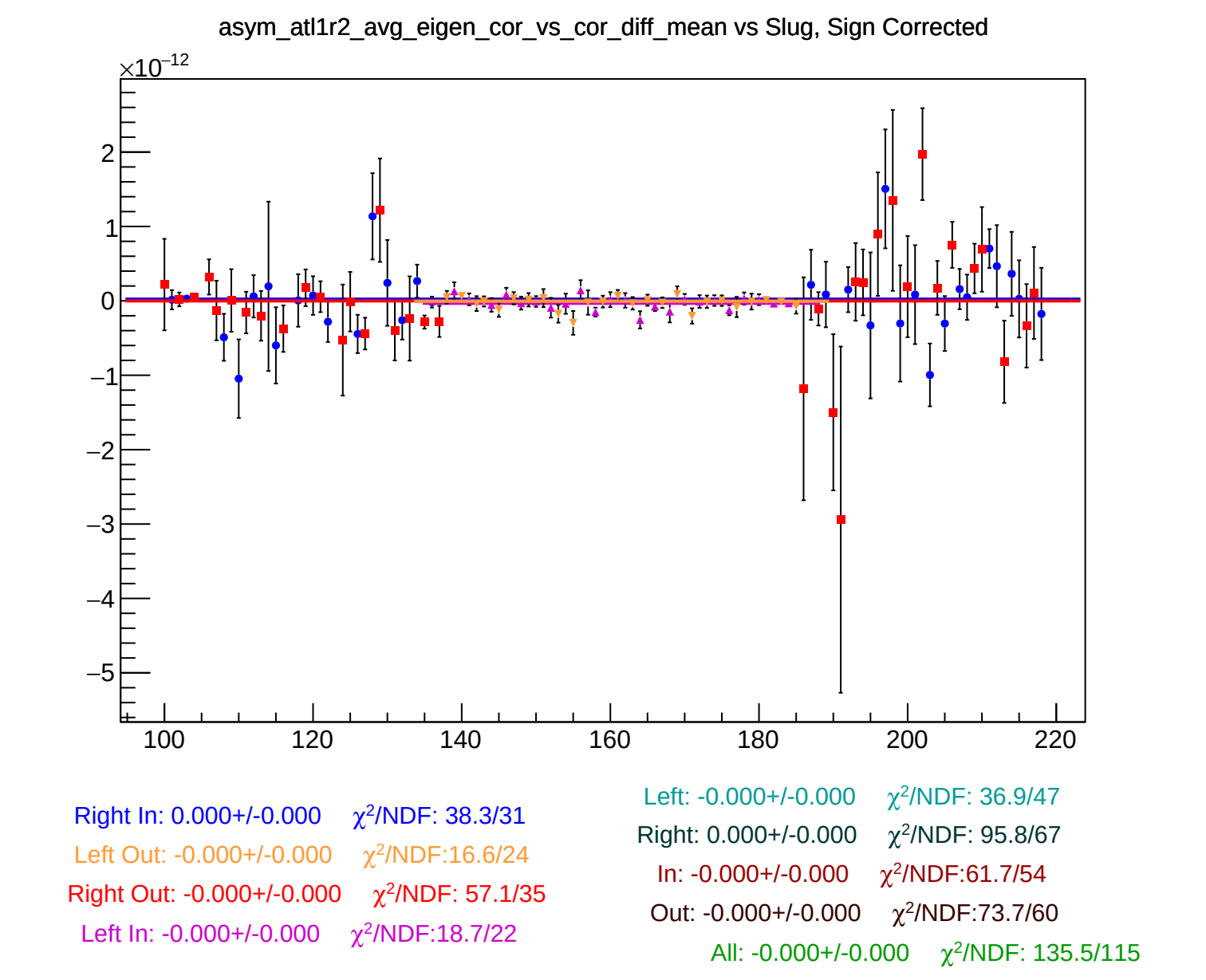
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

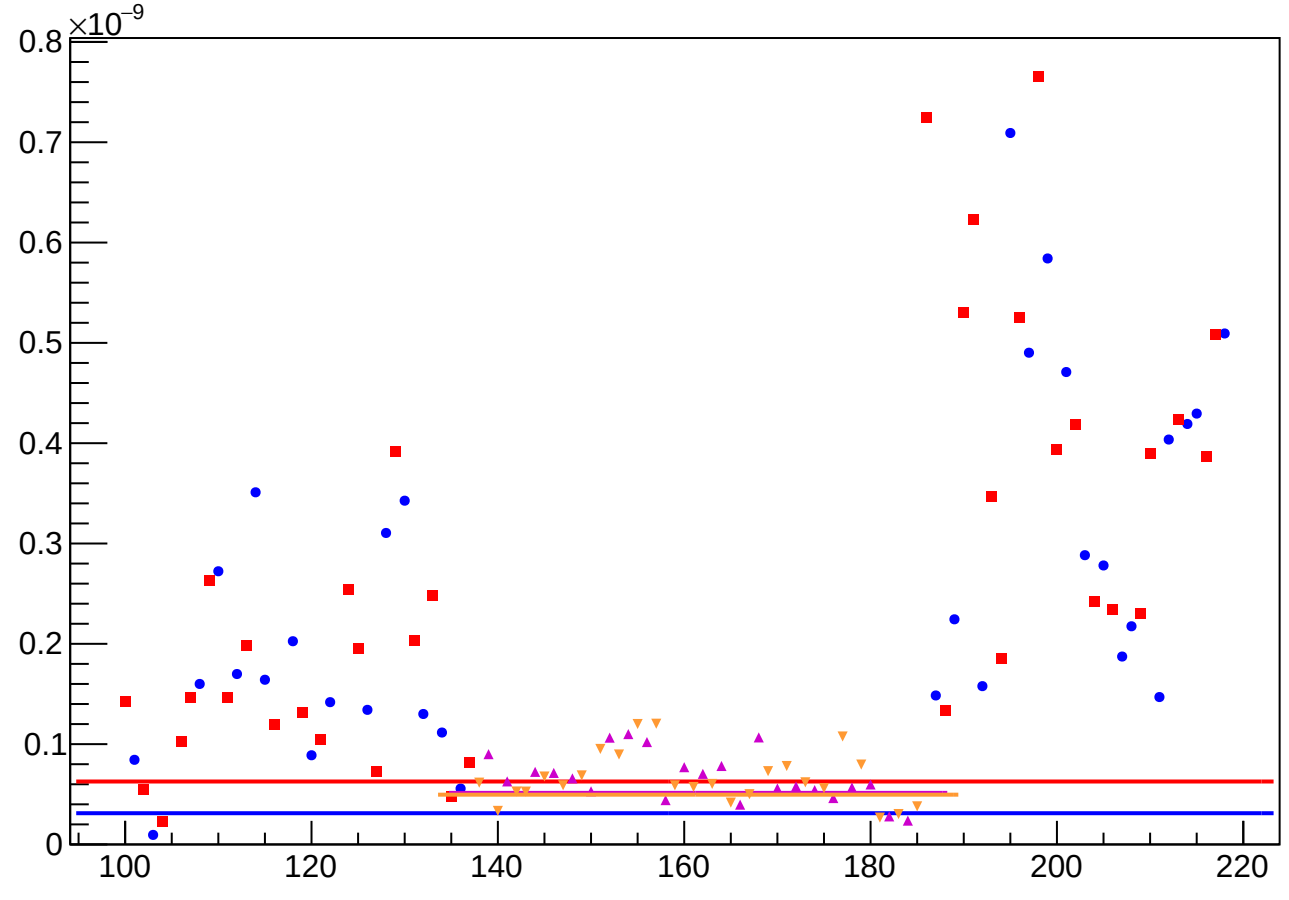
Right: 179.597+/-0.022 χ^2/NDF: 8527372.1/67

In: 215.336+/-0.027 χ^2/NDF:7476052.7/54

Out: 203.591+/-0.026 χ^2/NDF:12664701.9/60

All: 209.264+/-0.019 χ^2/NDF: 20240741.9/11


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: 57.1/35
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: 95.8/67
In: -0.000+/-0.000 χ²/NDF:61.7/54
Out: -0.000+/-0.000 χ²/NDF:73.7/60
All: -0.000+/-0.000 χ²/NDF: 135.5/115



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: 13825098.6/35

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

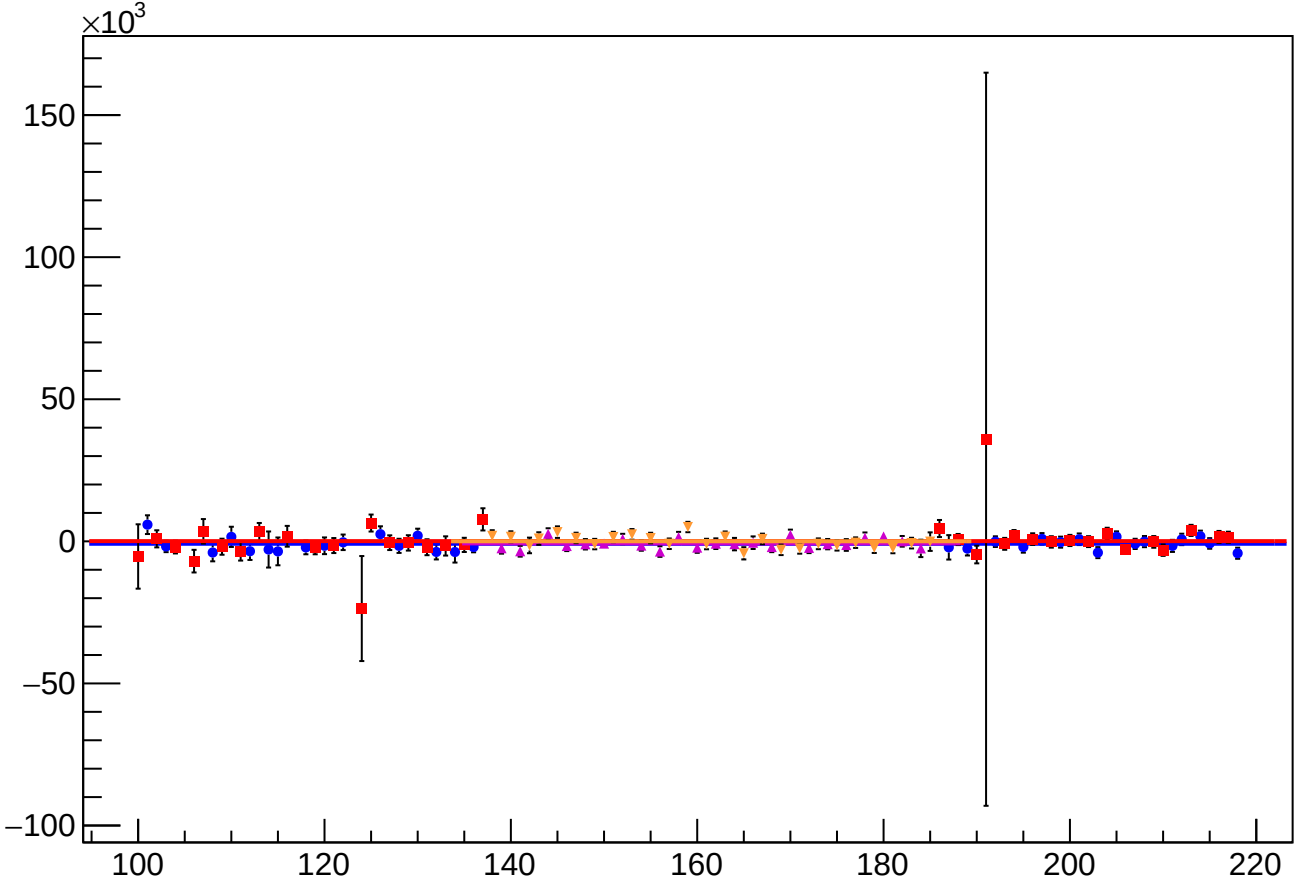
Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

Right: 0.000+/-0.000 χ^2/NDF: 34131095.4/67

In: 0.000+/-0.000 χ^2/NDF:23699266.4/54

Out: 0.000+/-0.000 χ^2/NDF:18011758.1/60

All: 0.000+/-0.000 χ^2/NDF: 42140660.1/115



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: 76.574+/-413.837 χ^2/NDF: 38.8/35

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

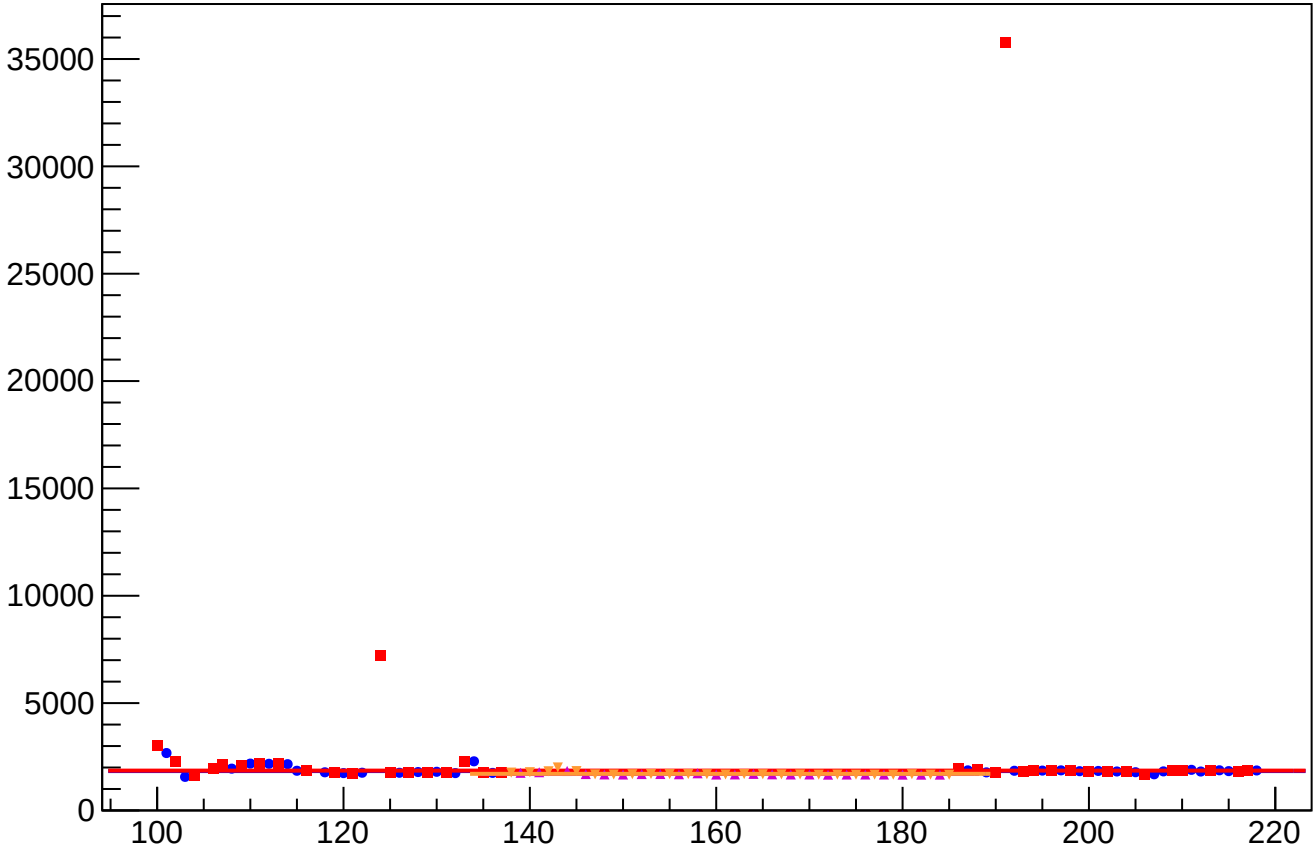
Right: -392.598+/-291.022 χ^2/NDF: 66.1/67

In: -783.448+/-284.778 χ^2/NDF:43.8/54

Out: 48.105+/-282.947 χ^2/NDF:68.3/60

All: -364.989+/-200.718 χ^2/NDF: 116.4/115

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: 1855.718+/-0.292 χ^2/NDF: 536638.6/35

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

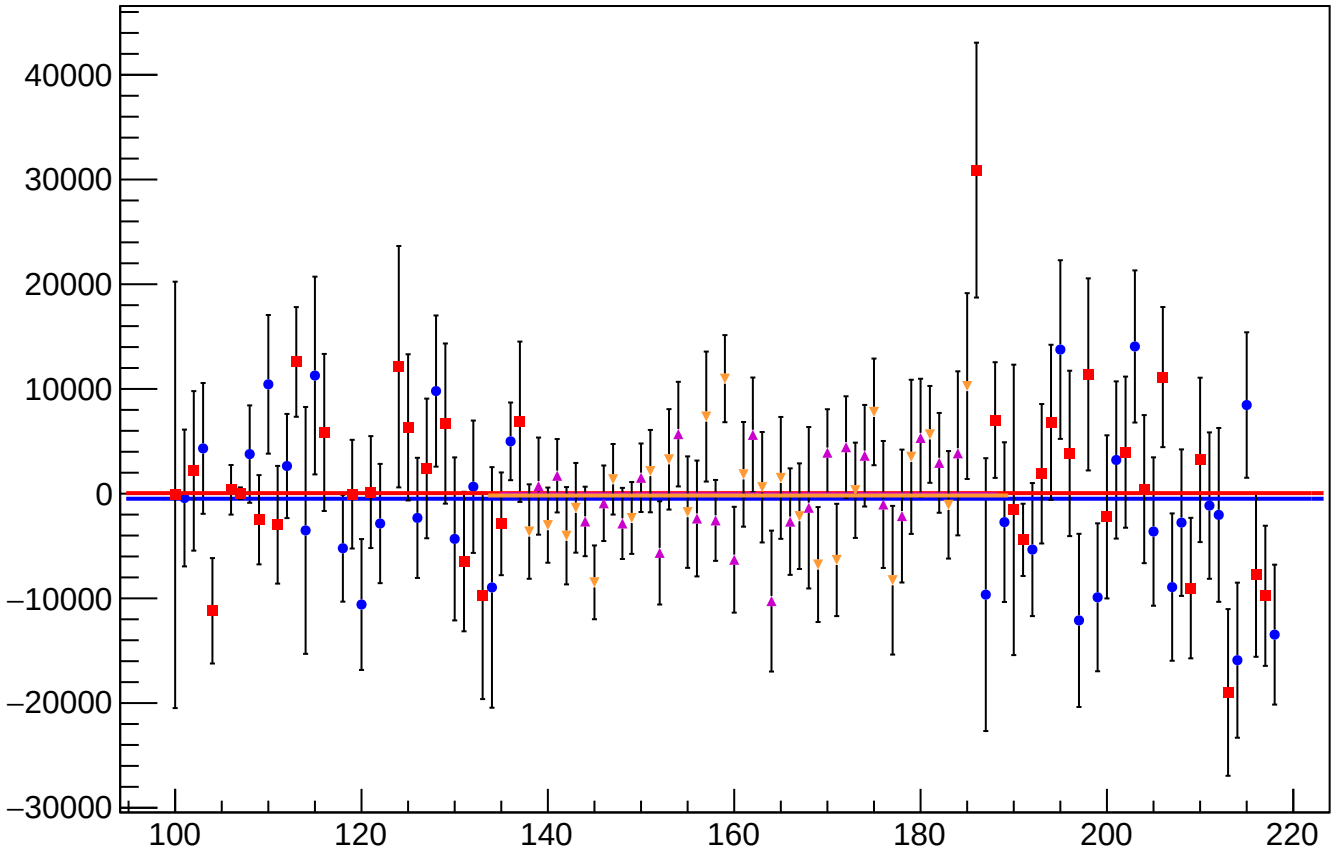
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1844.764+/-0.206 χ^2/NDF: 821413.8/67

In: 1763.589+/-0.201 χ^2/NDF:417923.7/54

Out: 1775.853+/-0.200 χ^2/NDF:736769.4/60

All: 1769.763+/-0.142 χ^2/NDF: 1156560.5/11



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: 49.881+/-483.437 χ^2/NDF: 44.3/35

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

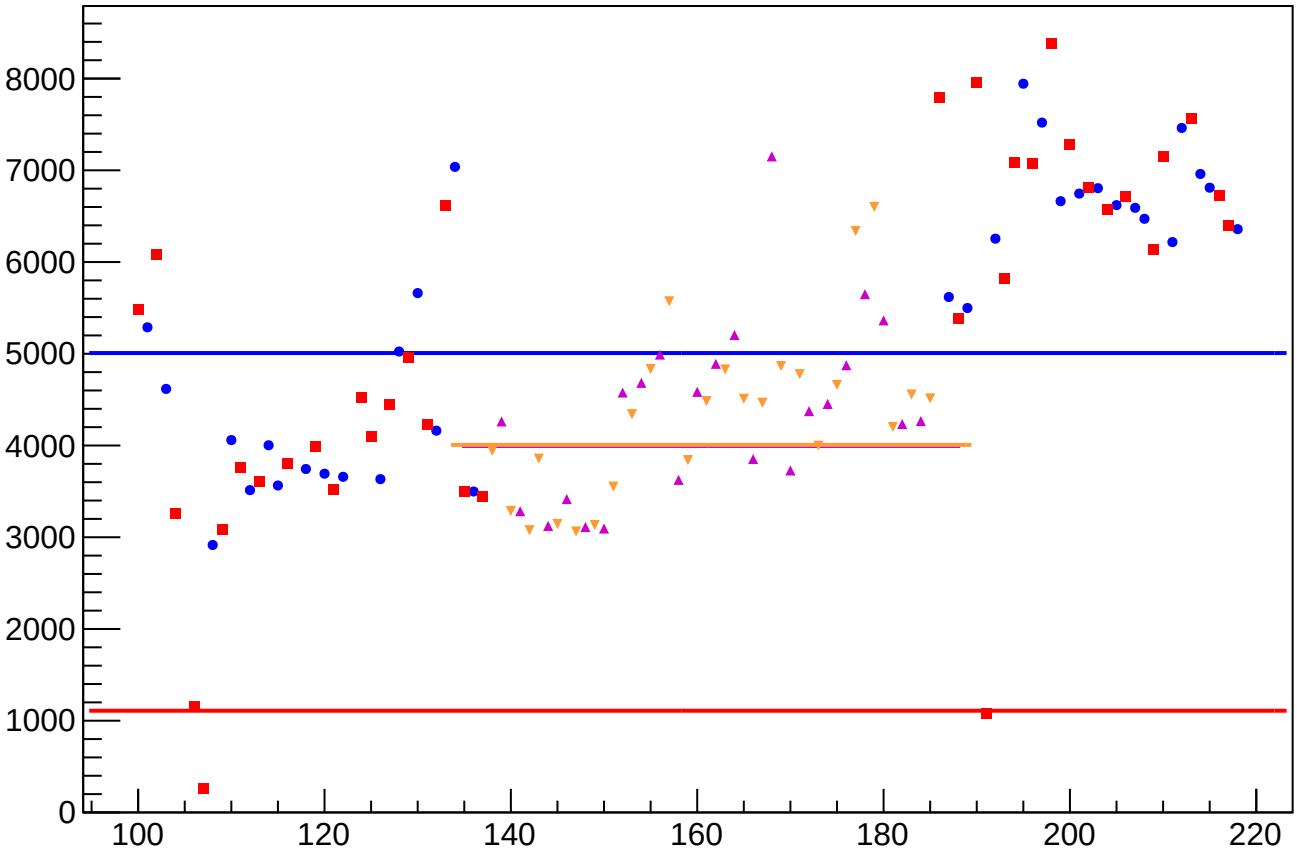
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: -28.401+/-446.687 χ^2/NDF: 82.9/67

In: -228.595+/-739.971 χ^2/NDF:52.8/54

Out: 2.291+/-429.445 χ^2/NDF:72.3/60

All: -55.881+/-371.427 χ^2/NDF: 125.2/115



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: 1109.140+/-0.342 χ^2/NDF: 29899628.1/35

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

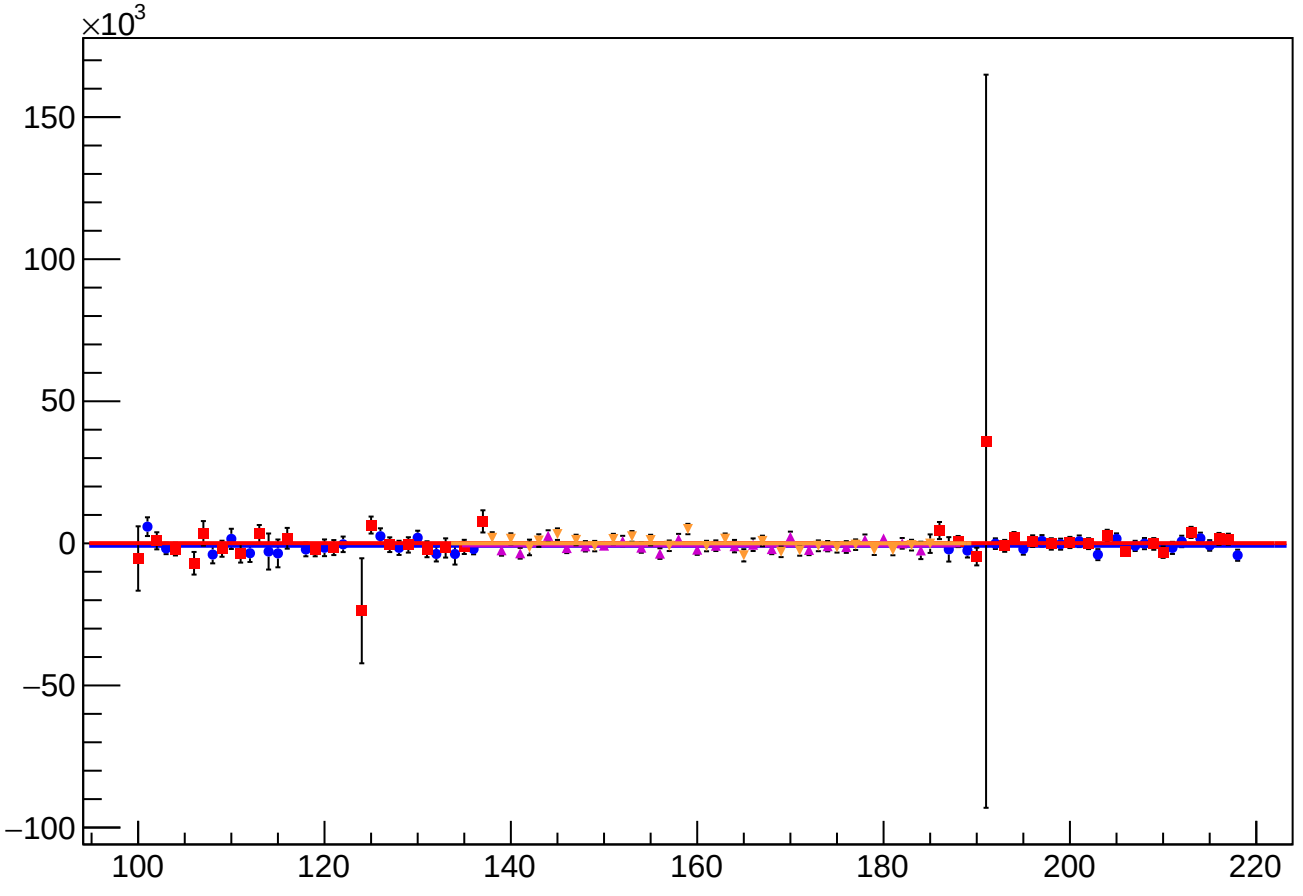
Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

Right: 1679.370+/-0.316 χ^2/NDF: 52238897.7/67

In: 4401.543+/-0.523 χ^2/NDF:5752653.3/54

Out: 1720.277+/-0.304 χ^2/NDF:46558651.9/60

All: 2395.825+/-0.263 χ^2/NDF: 71954428.3/1



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: 76.431+/-413.837 χ^2/NDF: 38.9/35

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

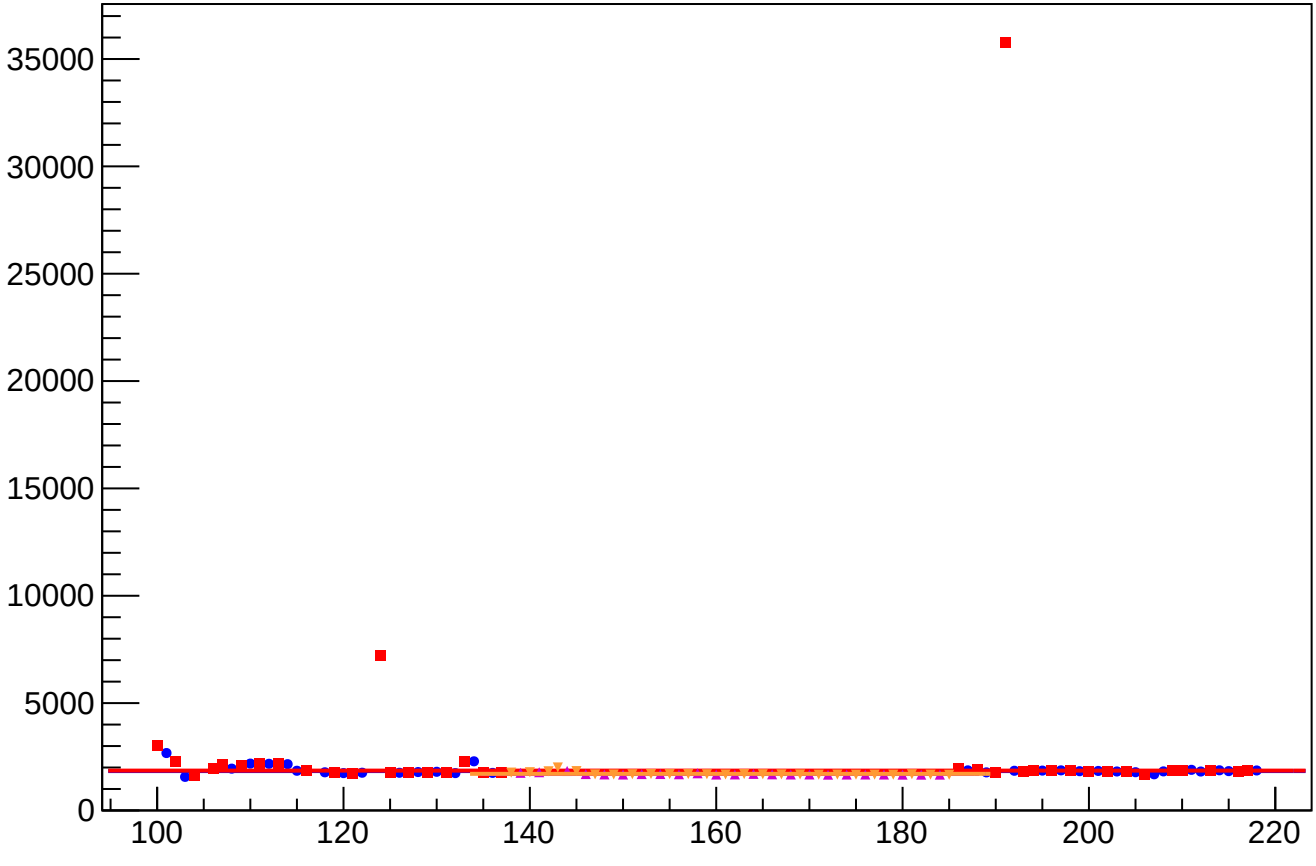
Right: -392.593+/-291.022 χ^2/NDF: 66.1/67

In: -783.311+/-284.778 χ^2/NDF:43.8/54

Out: 48.076+/-282.947 χ^2/NDF:68.4/60

All: -364.936+/-200.718 χ^2/NDF: 116.5/115

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: 1855.871+/-0.292 χ^2/NDF: 536981.7/35

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

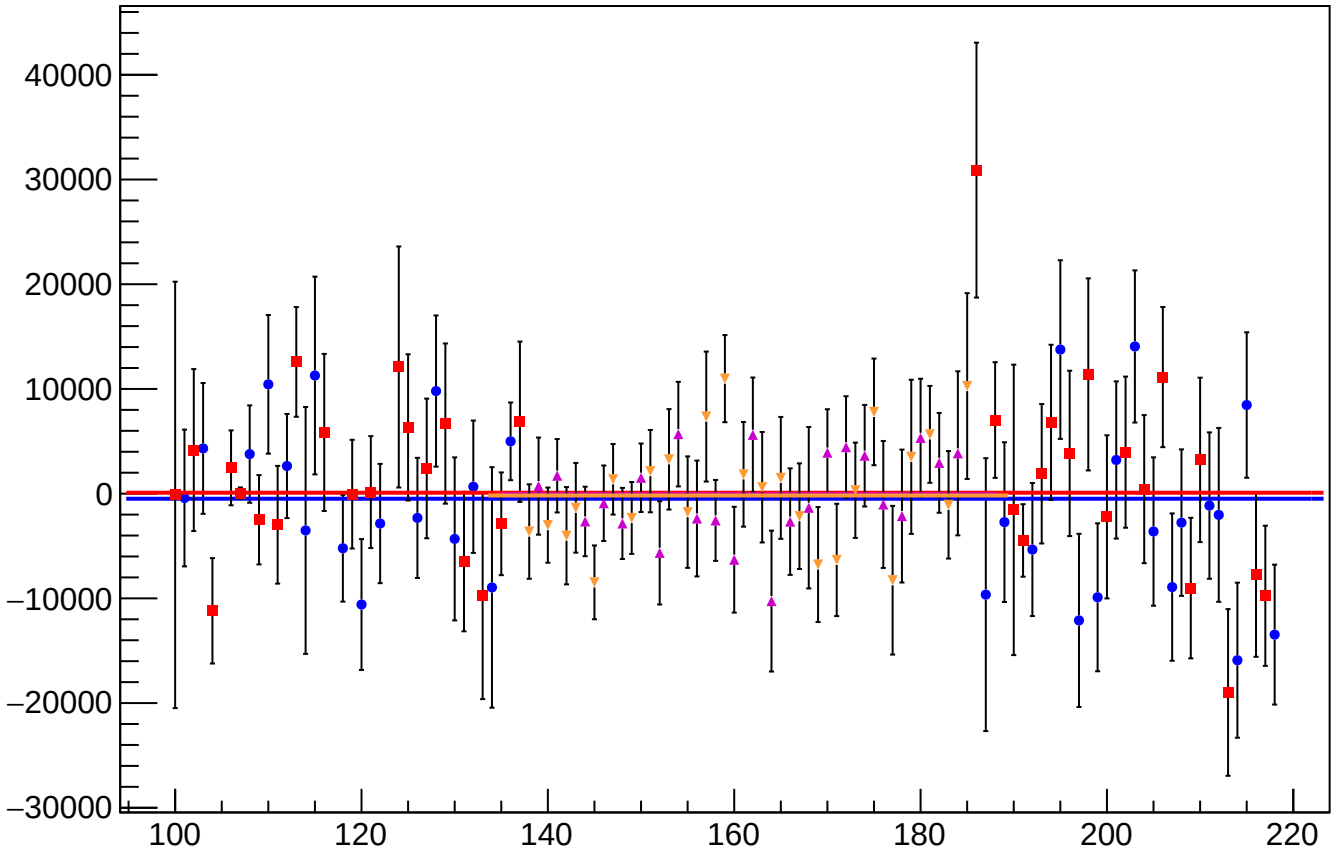
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1844.838+/-0.206 χ^2/NDF: 821795.0/67

In: 1763.589+/-0.201 χ^2/NDF:417923.1/54

Out: 1775.919+/-0.200 χ^2/NDF:737386.0/60

All: 1769.796+/-0.142 χ^2/NDF: 1157196.5/11



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: 88.183+/-489.220 χ^2/NDF: 45.0/35

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

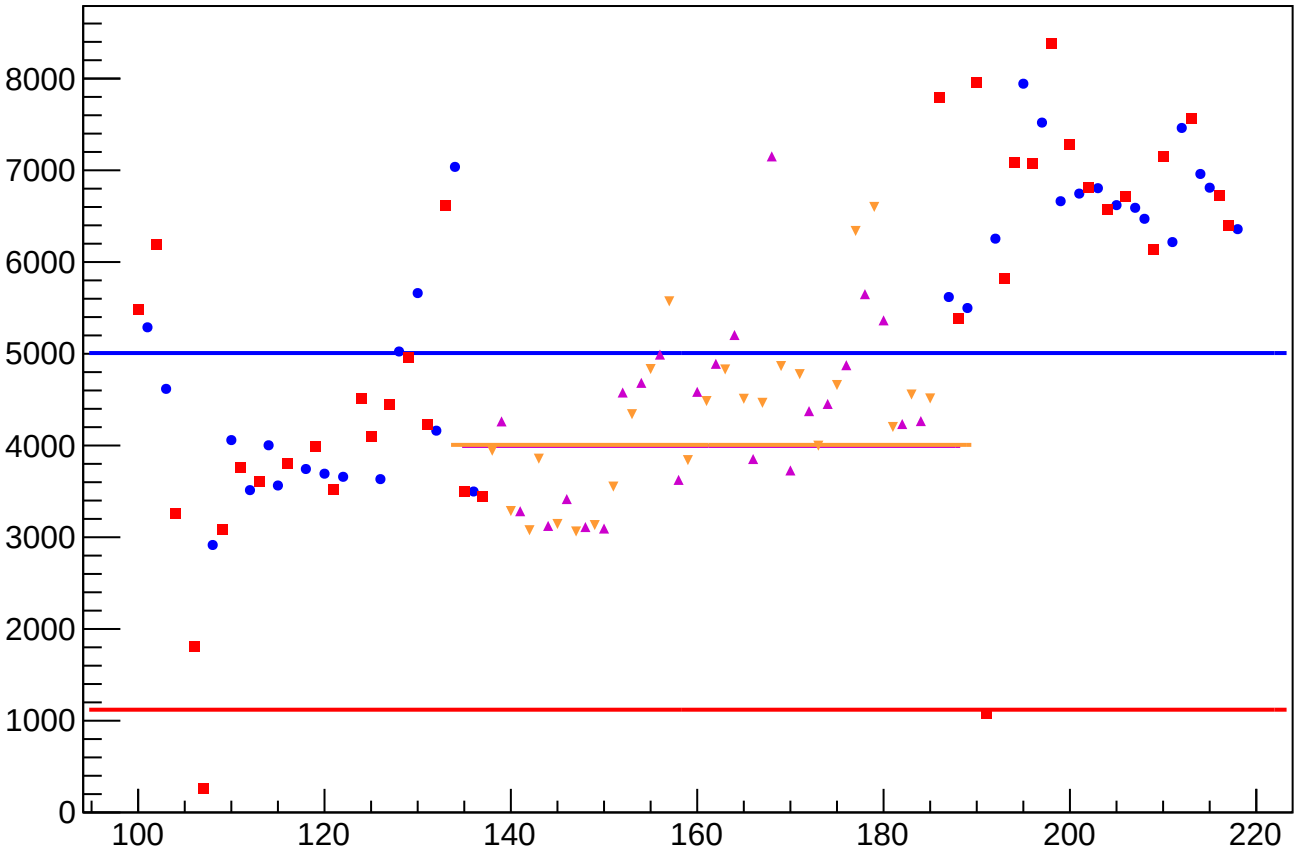
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 2.572+/-451.237 χ^2/NDF: 83.6/67

In: -228.580+/-739.971 χ^2/NDF:52.8/54

Out: 31.469+/-433.484 χ^2/NDF:73.0/60

All: -34.973+/-374.030 χ^2/NDF: 125.9/115



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: 1120.049+/-0.346 χ^2/NDF: 29986763.8/35

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

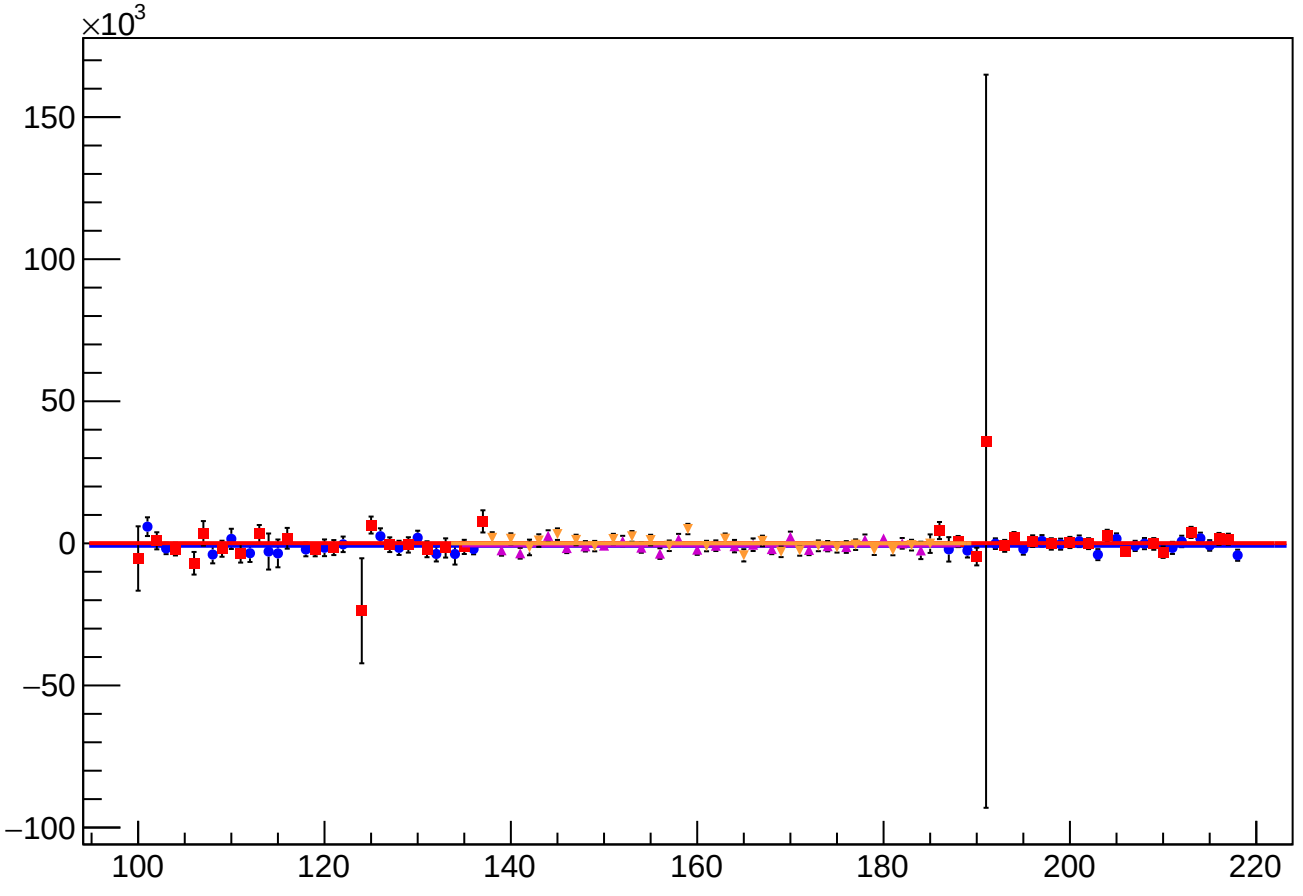
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1700.325+/-0.319 χ^2/NDF: 52153385.0/67

In: 4401.545+/-0.523 χ^2/NDF:5752653.6/54

Out: 1740.389+/-0.307 χ^2/NDF:46455919.7/60

All: 2420.302+/-0.264 χ^2/NDF: 71466449.6/1



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: 76.431+/-413.837 χ^2/NDF: 38.9/35

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

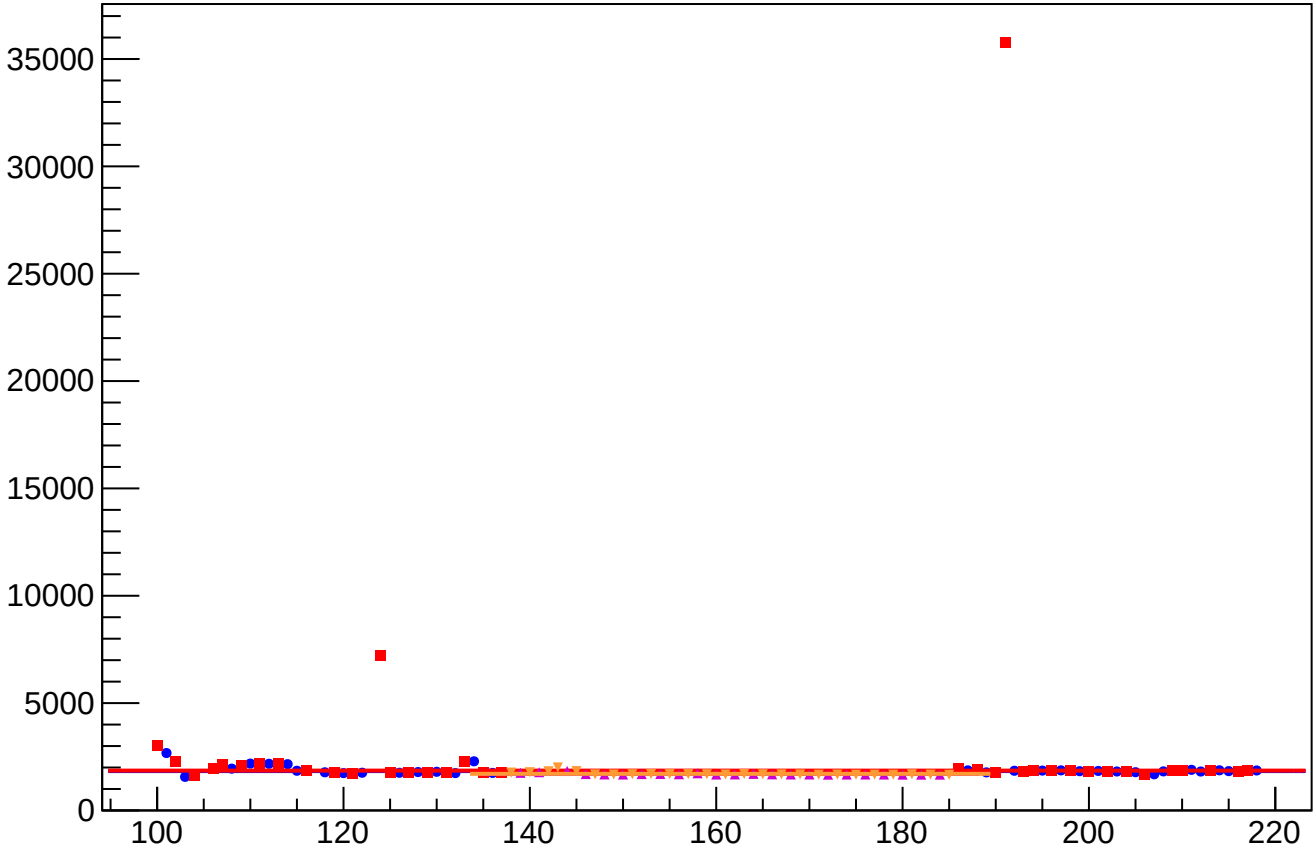
Right: -392.593+/-291.022 χ^2/NDF: 66.1/67

In: -783.311+/-284.778 χ^2/NDF:43.8/54

Out: 48.076+/-282.947 χ^2/NDF:68.4/60

All: -364.936+/-200.718 χ^2/NDF: 116.5/115

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: 1855.871+/-0.292 χ^2/NDF: 536981.7/35

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

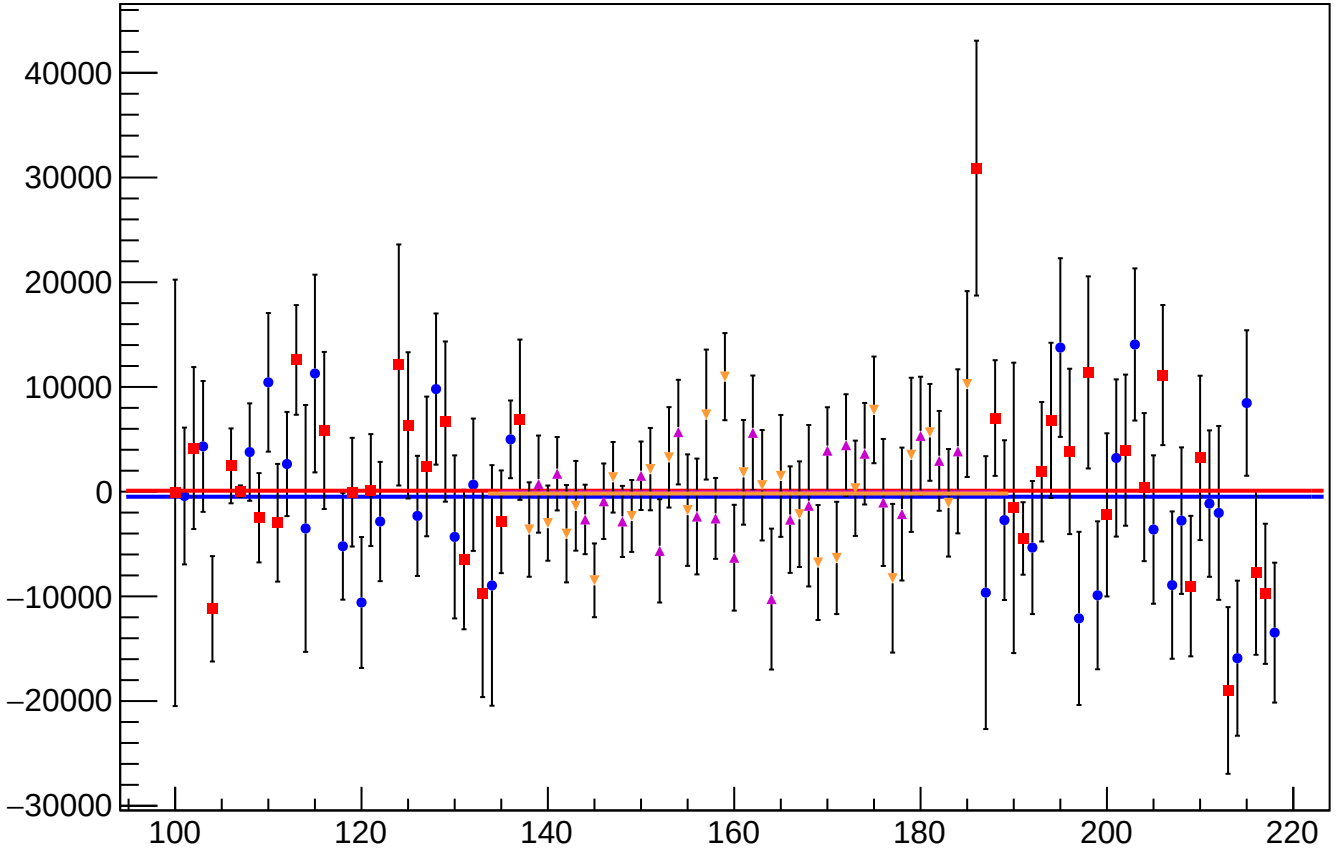
Right: 1844.838+/-0.206 χ^2/NDF: 821795.0/67

In: 1763.589+/-0.201 χ^2/NDF:417923.1/54

Out: 1775.919+/-0.200 χ^2/NDF:737386.0/60

All: 1769.796+/-0.142 χ^2/NDF: 1157196.5/11

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 88.183+/-489.220 χ^2/NDF: 45.0/35

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

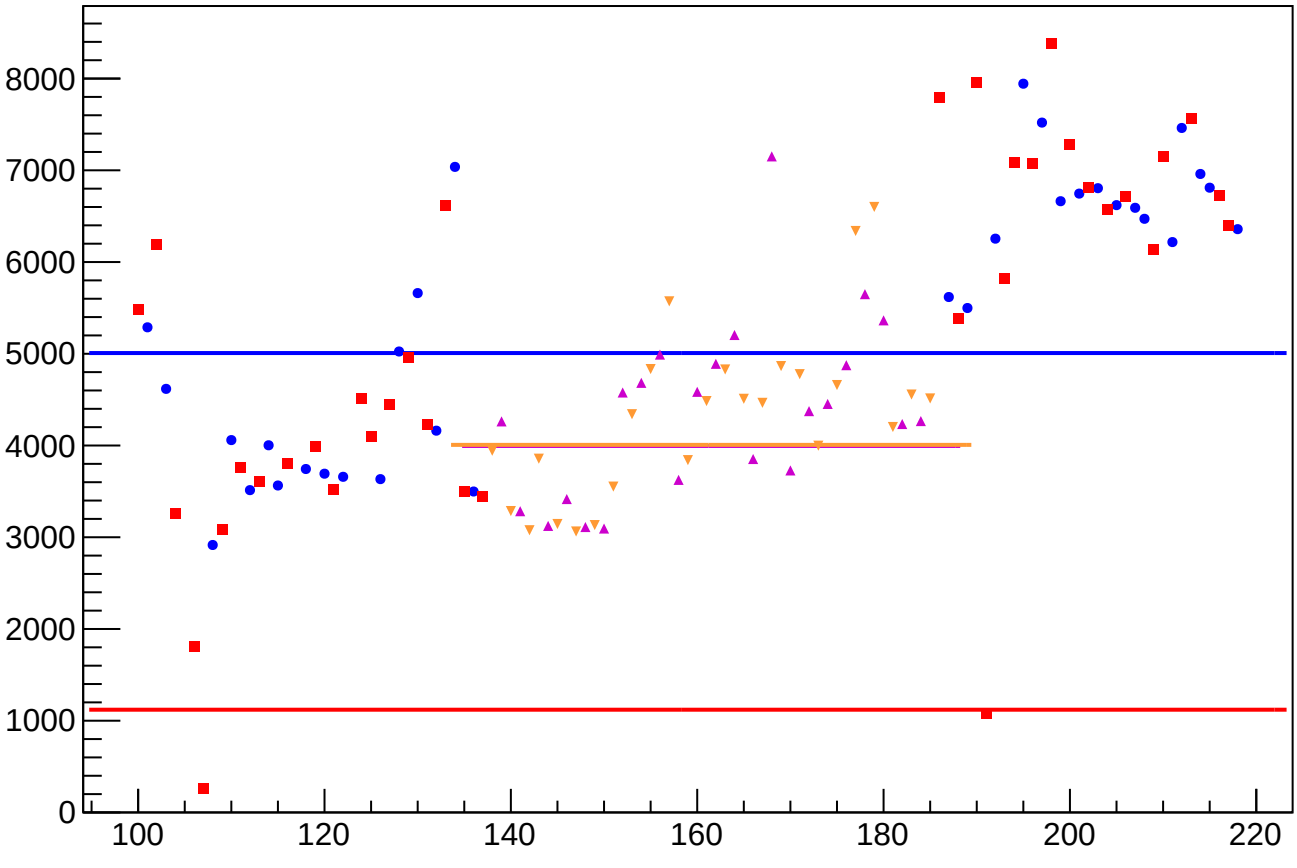
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 2.572+/-451.237 χ^2/NDF: 83.6/67

In: -228.580+/-739.971 χ^2/NDF:52.8/54

Out: 31.469+/-433.484 χ^2/NDF:73.0/60

All: -34.973+/-374.030 χ^2/NDF: 125.9/115



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: 1120.049+/-0.346 χ^2/NDF: 29986763.8/35

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

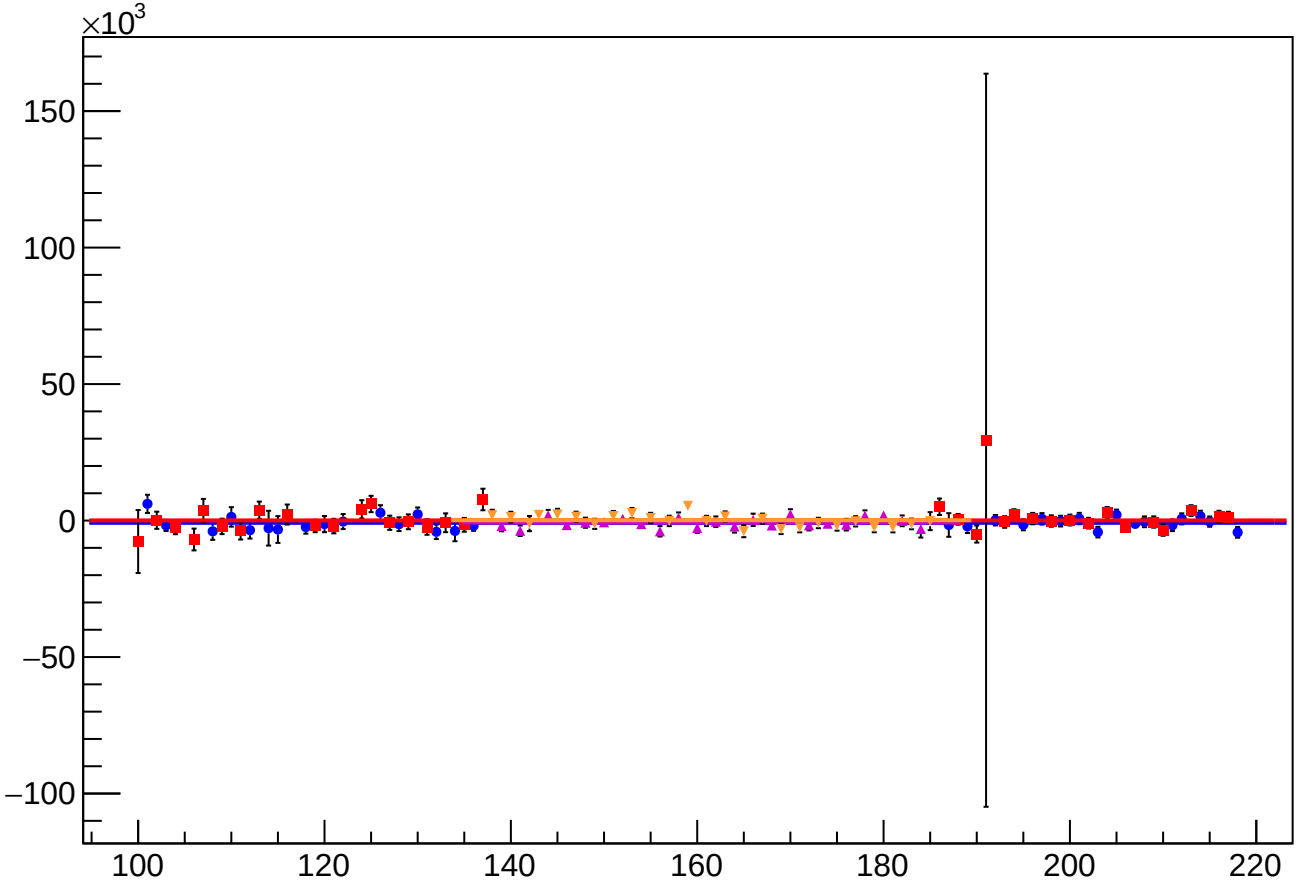
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1700.325+/-0.319 χ^2/NDF: 52153385.0/67

In: 4401.545+/-0.523 χ^2/NDF:5752653.6/54

Out: 1740.389+/-0.307 χ^2/NDF:46455919.7/60

All: 2420.302+/-0.264 χ^2/NDF: 71466449.6/



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: 54.315+/-415.486 χ^2/NDF: 40.2/35

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

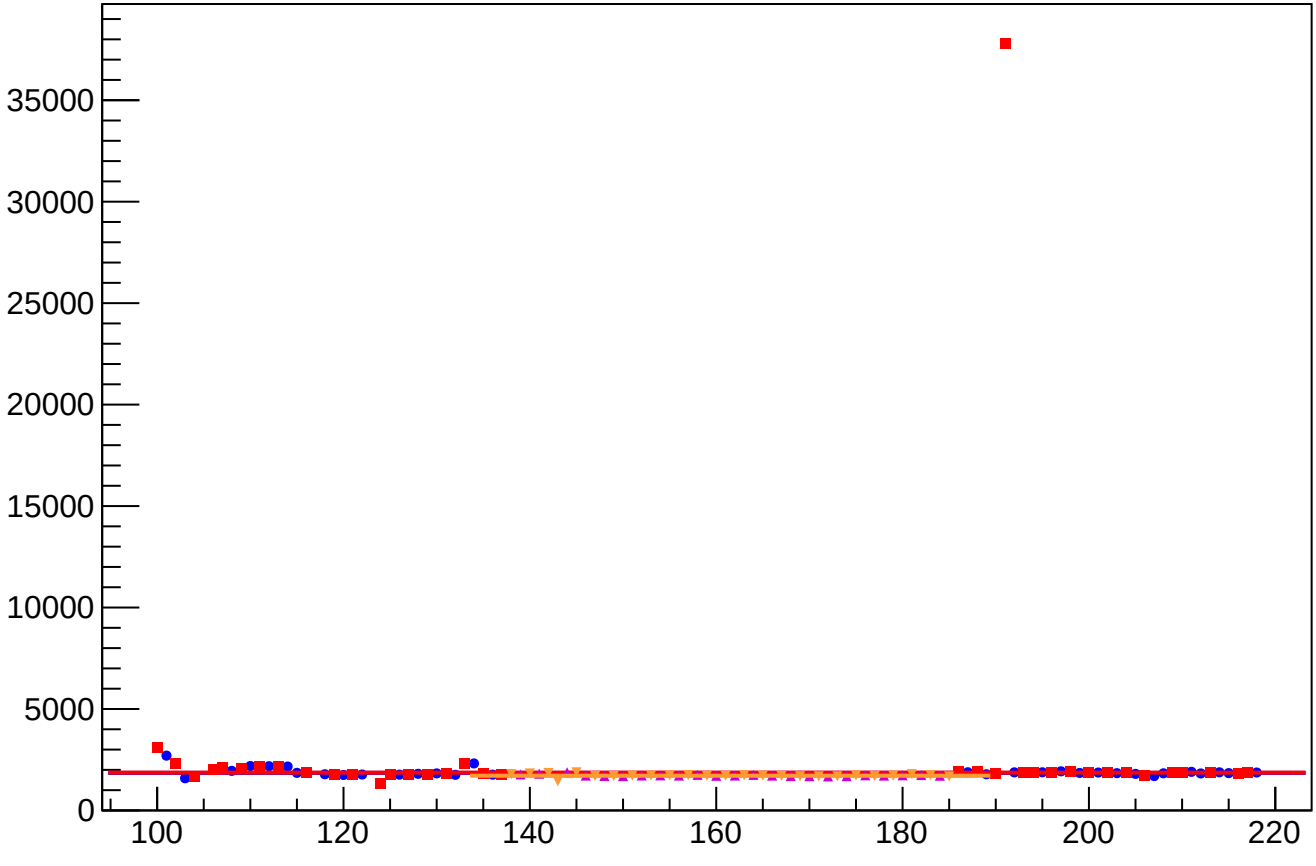
Right: -387.372+/-292.985 χ^2/NDF: 68.4/67

In: -781.794+/-288.931 χ^2/NDF:45.0/54

Out: 89.257+/-284.144 χ^2/NDF:69.9/60

All: -338.993+/-202.592 χ^2/NDF: 119.5/115

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: 1864.655+/-0.294 χ^2/NDF: 431355.2/35

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

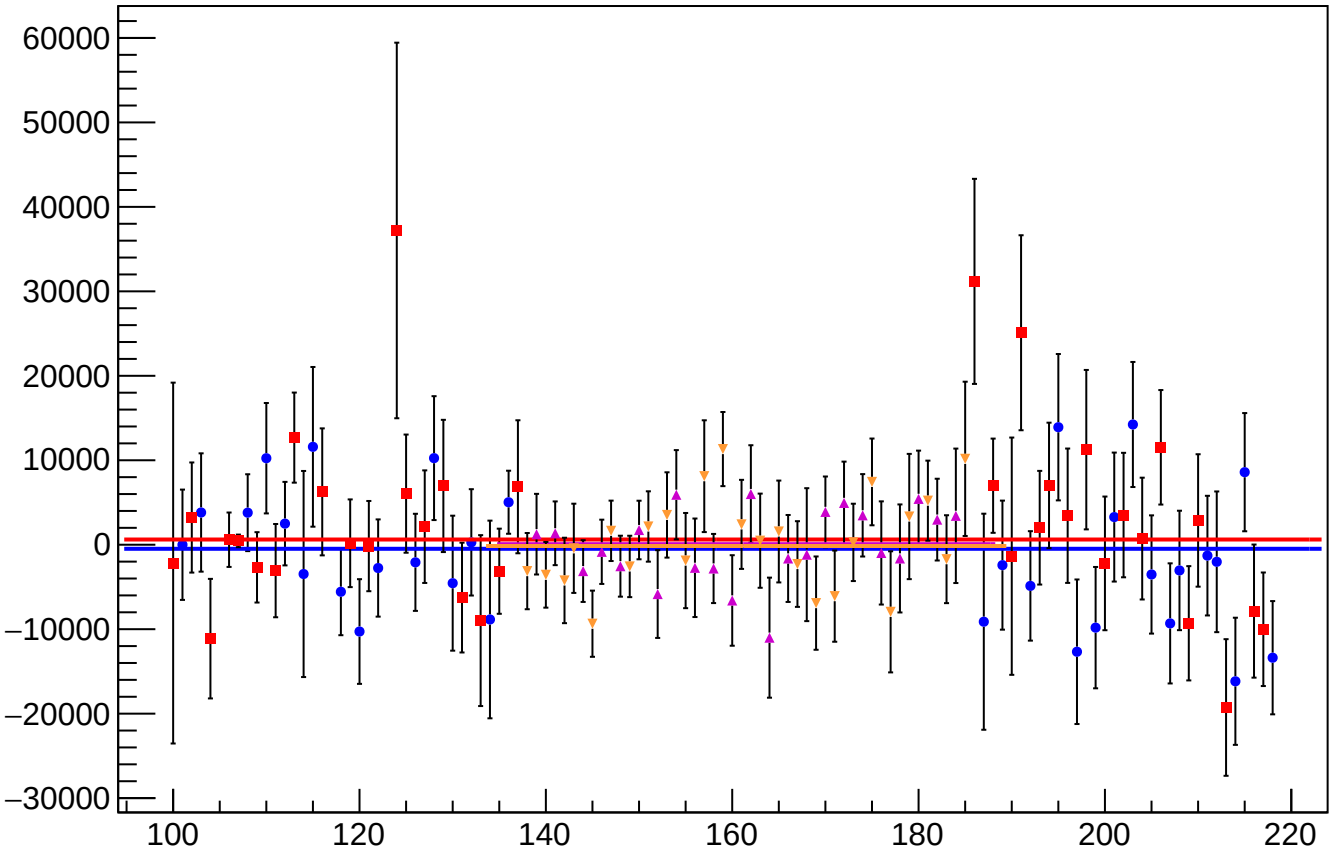
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1857.908+/-0.207 χ^2/NDF: 713750.8/67

In: 1789.448+/-0.204 χ^2/NDF:391907.2/54

Out: 1783.584+/-0.201 χ^2/NDF:668929.8/60

All: 1786.466+/-0.143 χ^2/NDF: 1061255.8/11



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: 618.103+/-621.147 χ^2/NDF: 46.1/35

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

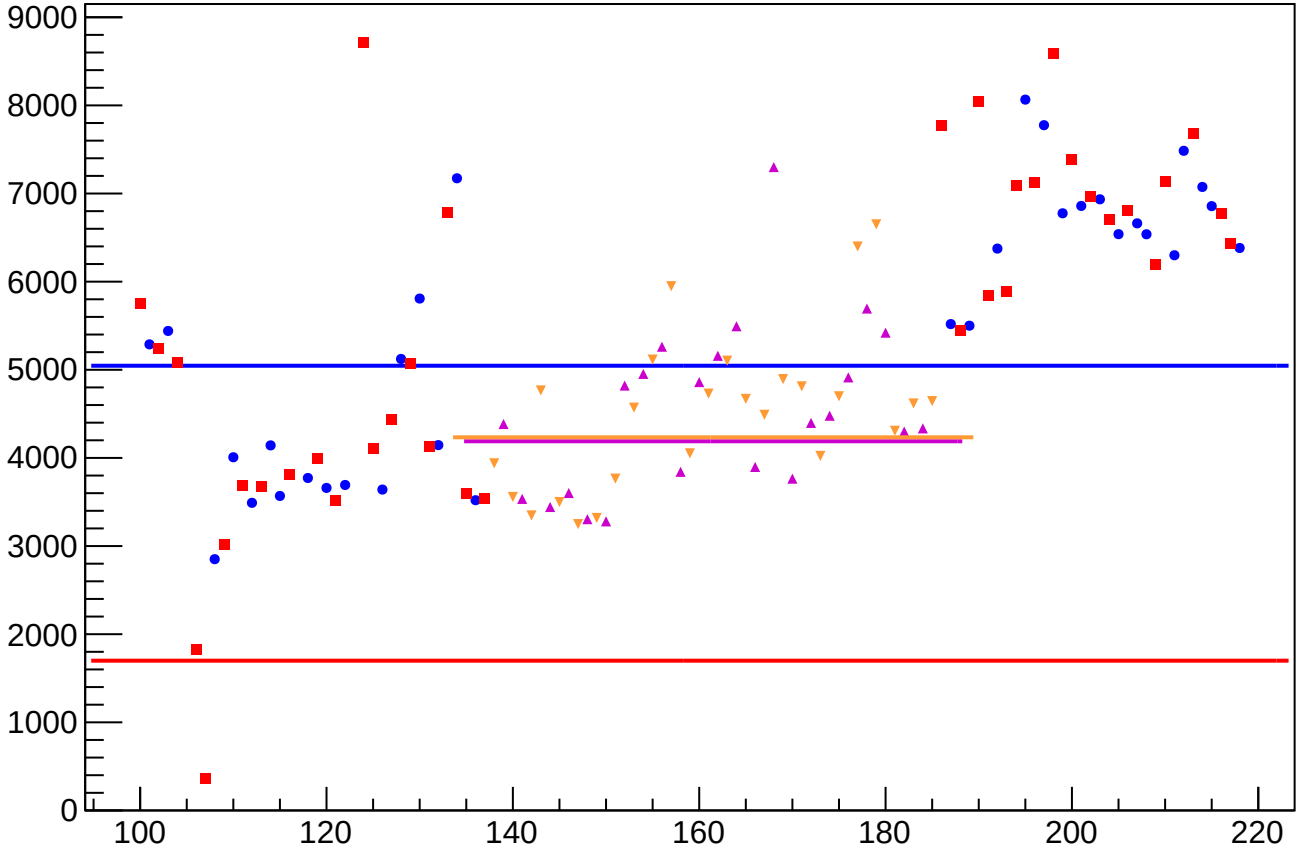
Right: 378.833+/-549.416 χ^2/NDF: 84.9/67

In: -163.809+/-762.326 χ^2/NDF:52.2/54

Out: 399.509+/-525.401 χ^2/NDF:73.4/60

All: 218.100+/-432.608 χ^2/NDF: 126.0/115

asym_atl1r2_dd_dit_correction_rms vs Slug, Sign Corrected



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: 1699.450+/-0.439 χ^2/NDF: 26155173.8/35

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

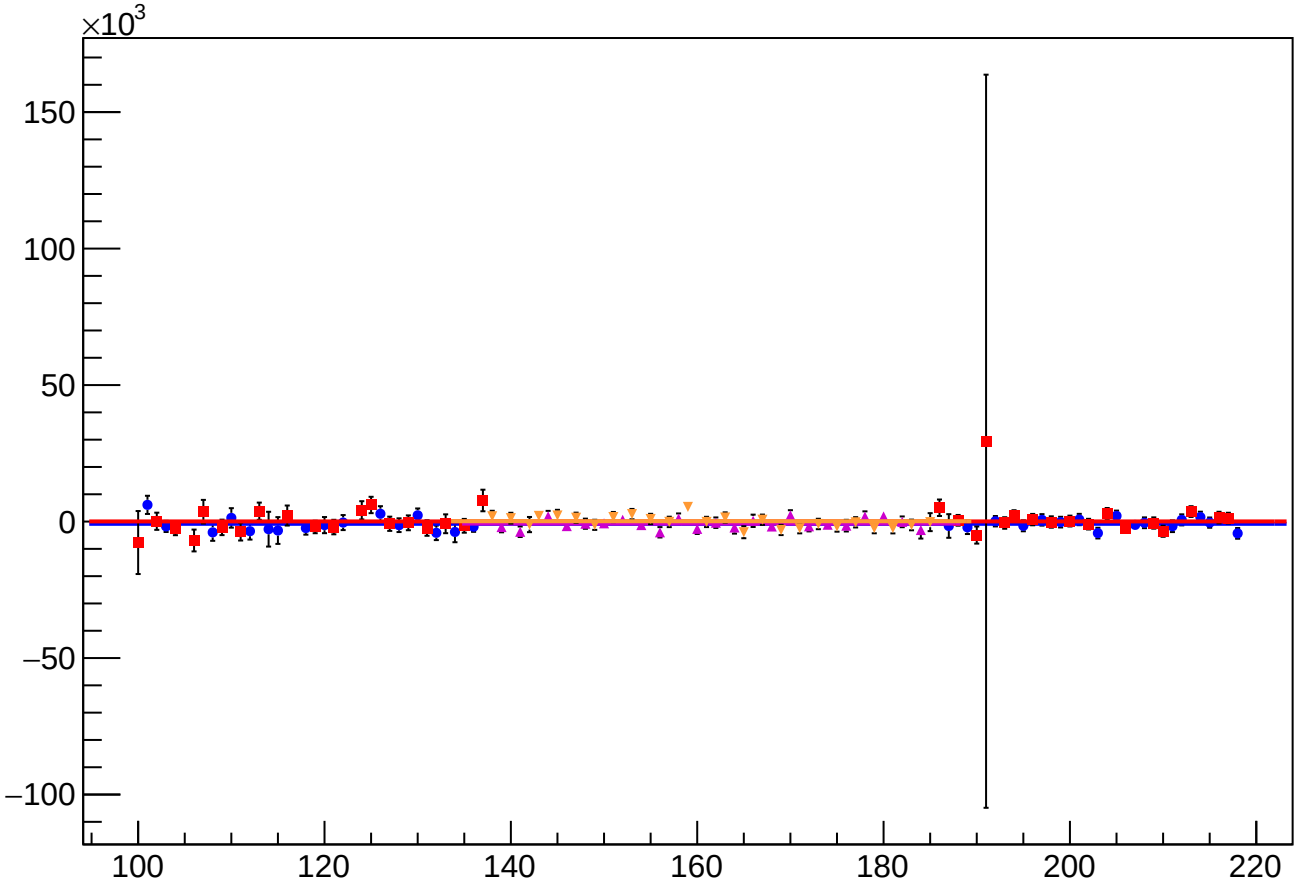
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 2427.746+/-0.388 χ^2/NDF: 42259750.5/67

In: 4547.977+/-0.539 χ^2/NDF:5430629.8/54

Out: 2420.572+/-0.372 χ^2/NDF:36913966.0/60

All: 3105.676+/-0.306 χ^2/NDF: 52904359.0/



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: 54.313+/-415.486 χ^2/NDF: 40.2/35

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

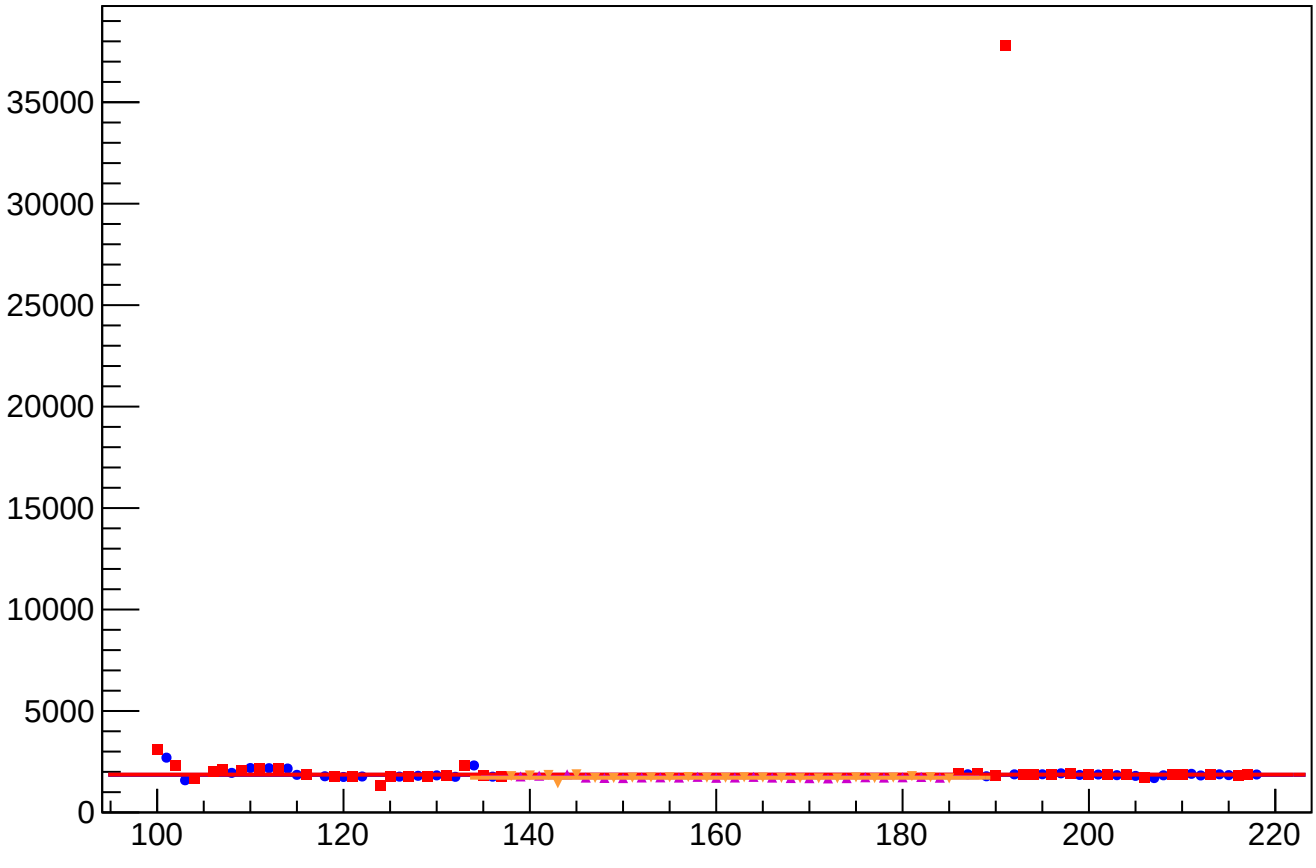
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -387.371+/-292.985 χ^2/NDF: 68.4/67

In: -781.791+/-288.931 χ^2/NDF:45.0/54

Out: 89.258+/-284.145 χ^2/NDF:69.9/60

All: -338.992+/-202.592 χ^2/NDF: 119.5/115



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: 1864.655+/-0.294 χ^2/NDF: 431355.5/35

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

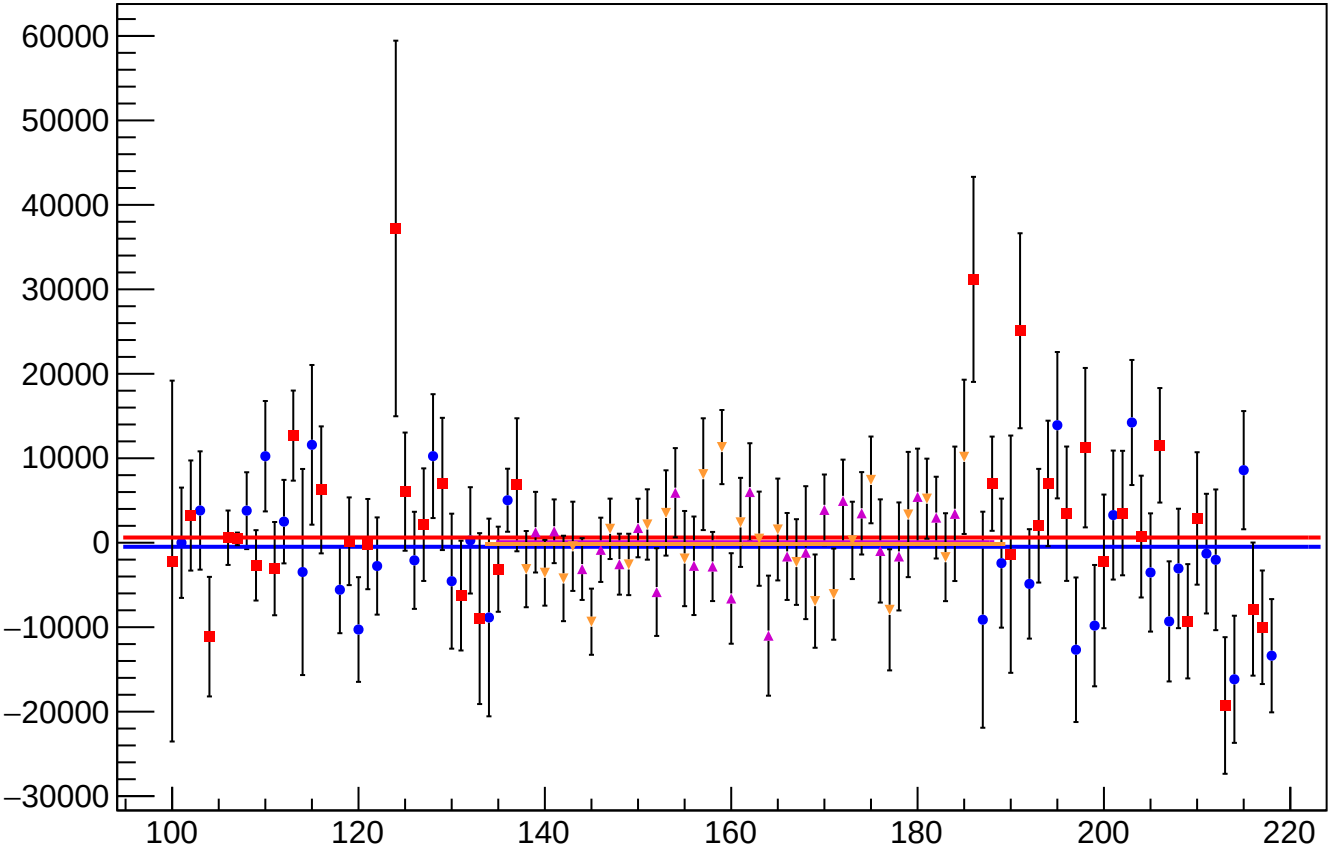
Right: 1857.908+/-0.207 χ^2/NDF: 713751.0/67

In: 1789.448+/-0.204 χ^2/NDF:391906.3/54

Out: 1783.584+/-0.201 χ^2/NDF:668928.2/60

All: 1786.467+/-0.143 χ^2/NDF: 1061253.3/11

asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 618.113+/-621.157 χ^2/NDF: 46.1/35

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

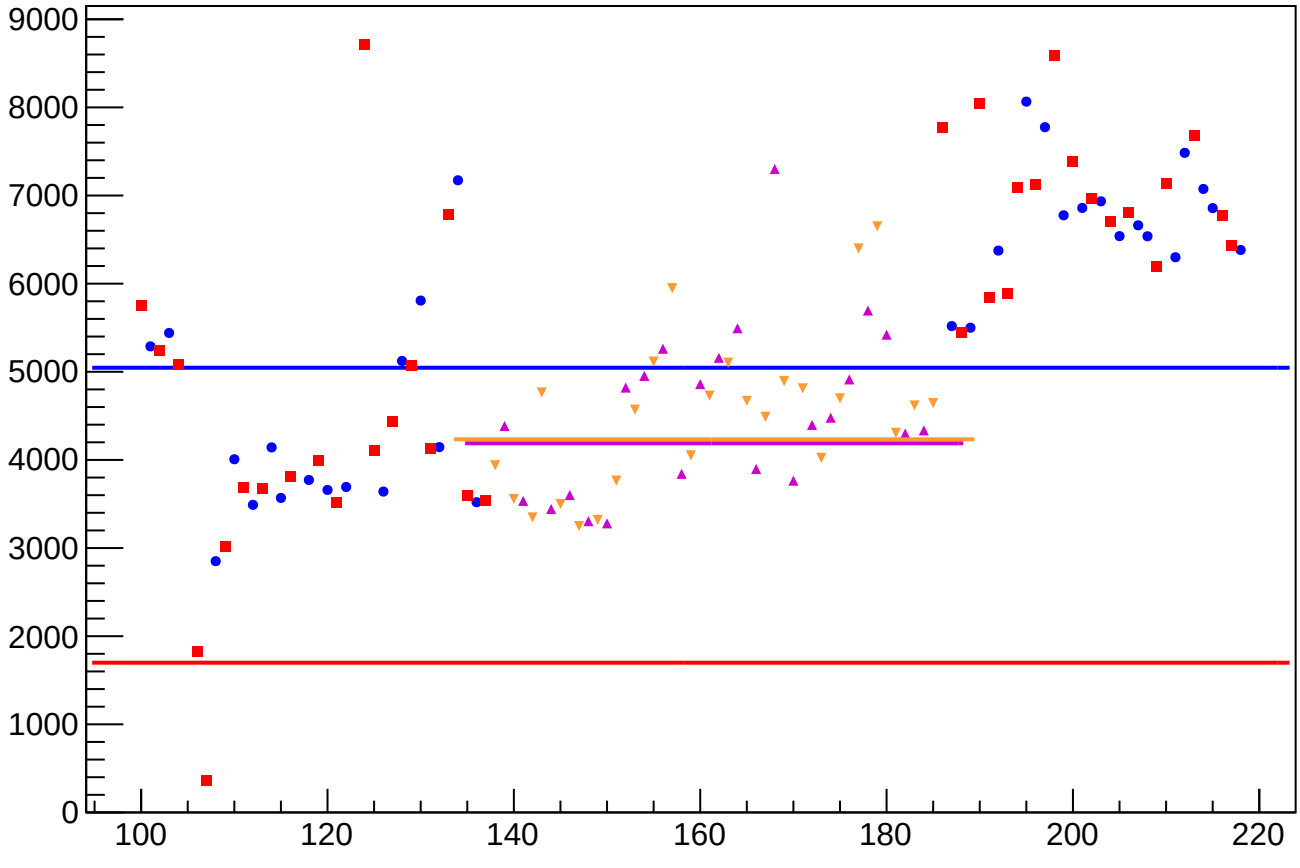
Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

Right: 378.833+/-549.422 χ^2/NDF: 84.9/67

In: -163.812+/-762.327 χ^2/NDF:52.2/54

Out: 399.512+/-525.407 χ^2/NDF:73.4/60

All: 218.098+/-432.611 χ^2/NDF: 126.0/115



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: 1699.495+/-0.439 χ^2/NDF: 26154821.7/35

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

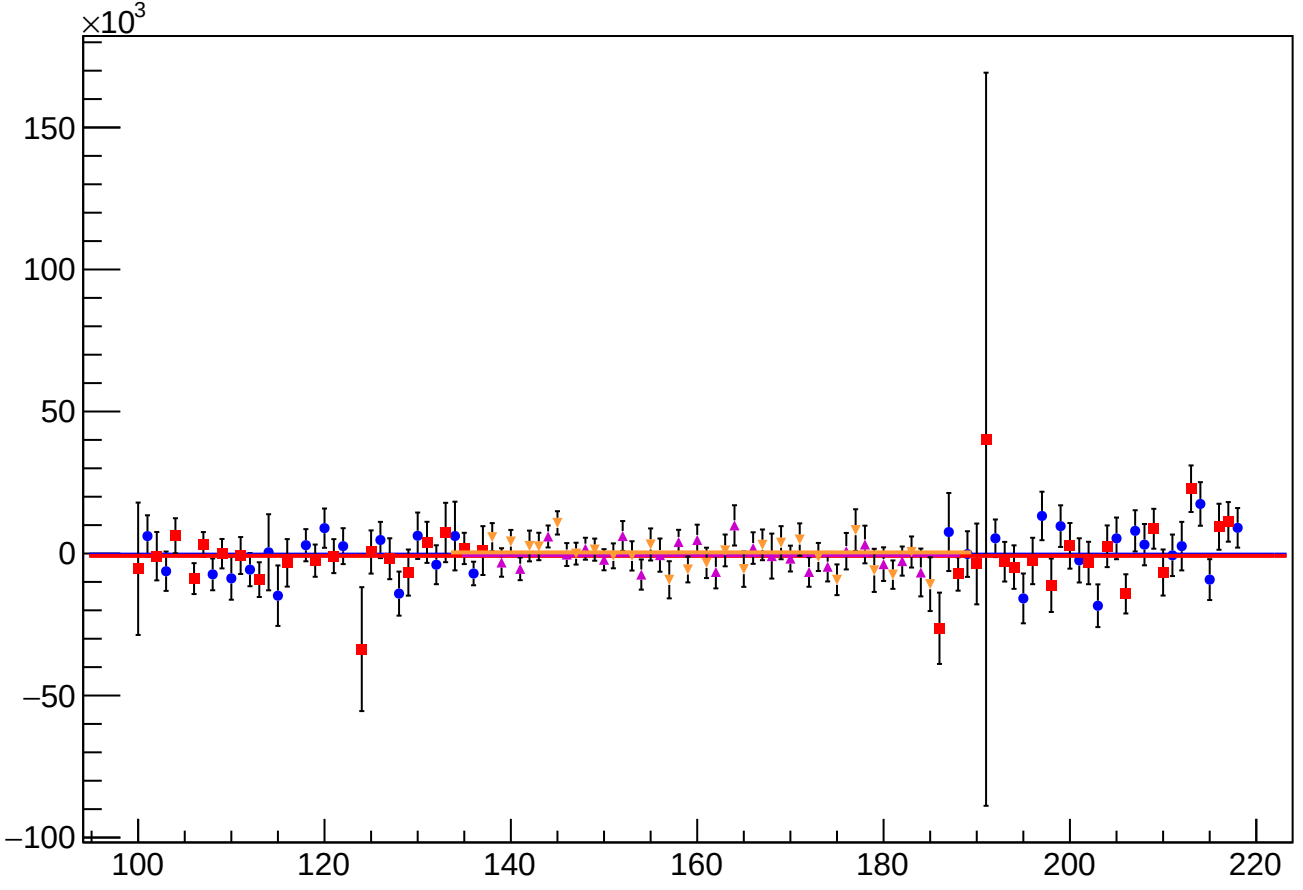
Right: 2427.797+/-0.389 χ^2/NDF: 42258982.1/67

In: 4547.979+/-0.539 χ^2/NDF:5430646.6/54

Out: 2420.619+/-0.372 χ^2/NDF:36913224.0/60

All: 3105.718+/-0.306 χ^2/NDF: 52903102.2/1

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: -830.076+/-1211.701 χ^2/NDF: 37.2/35

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

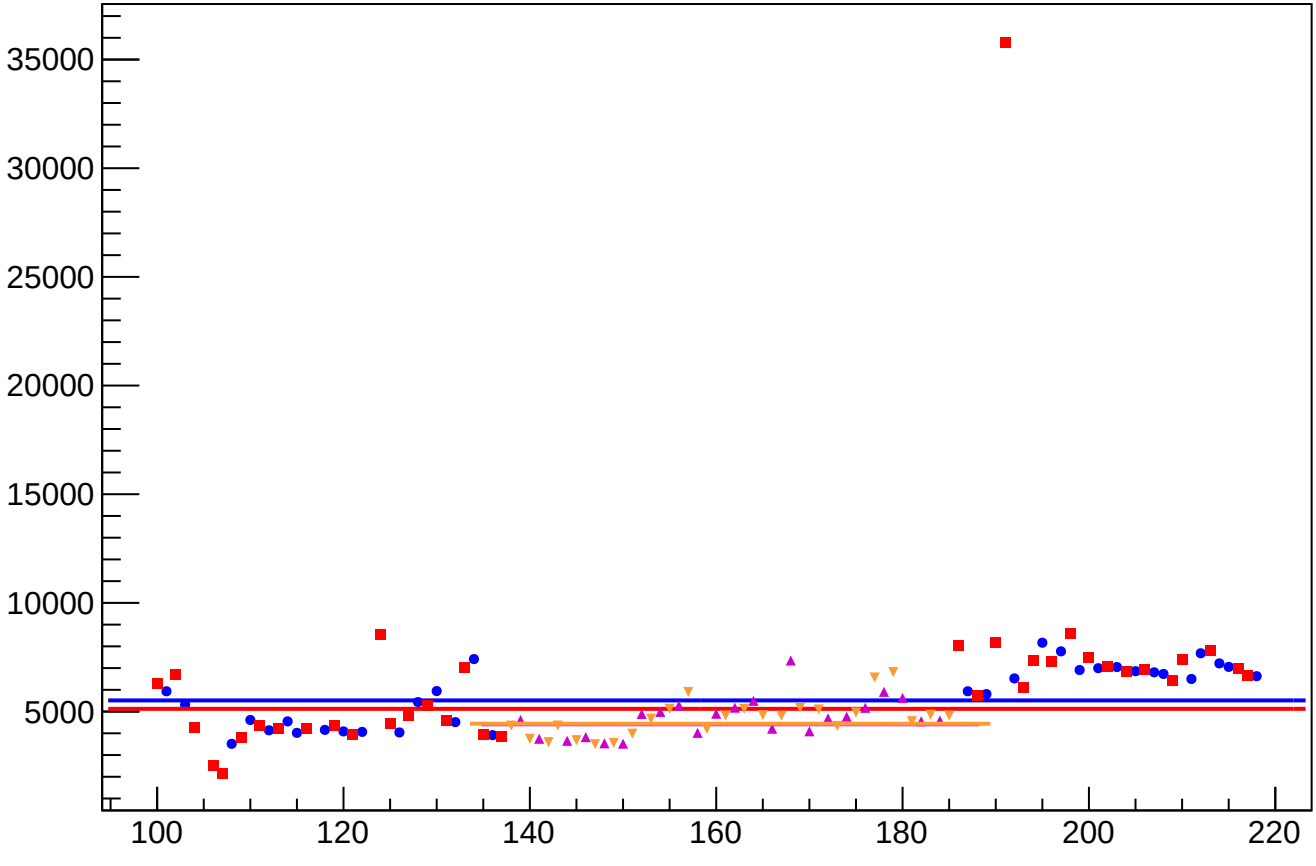
Right: -619.497+/-876.298 χ^2/NDF: 79.6/67

In: -456.516+/-808.786 χ^2/NDF:59.7/54

Out: -116.039+/-784.086 χ^2/NDF:62.5/60

All: -280.999+/-562.962 χ^2/NDF: 122.3/115

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: 5125.151+/-0.852 χ^2/NDF: 4402554.2/35

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

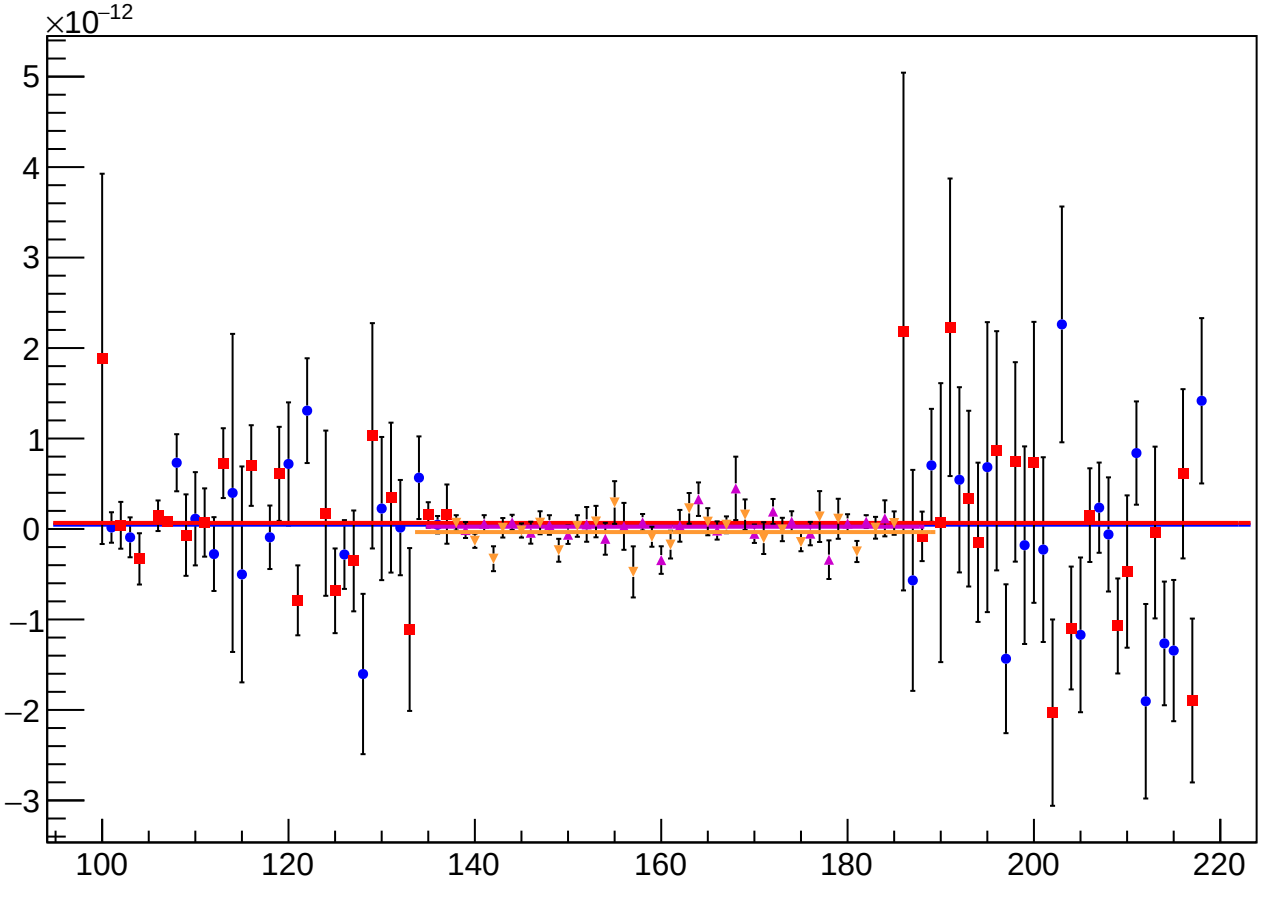
Right: 5308.883+/-0.618 χ^2/NDF: 6955552.0/67

In: 4861.290+/-0.572 χ^2/NDF:4454496.3/54

Out: 4729.413+/-0.553 χ^2/NDF:5849140.8/60

All: 4793.137+/-0.398 χ^2/NDF: 10331117.4/1

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: 41.1/35

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

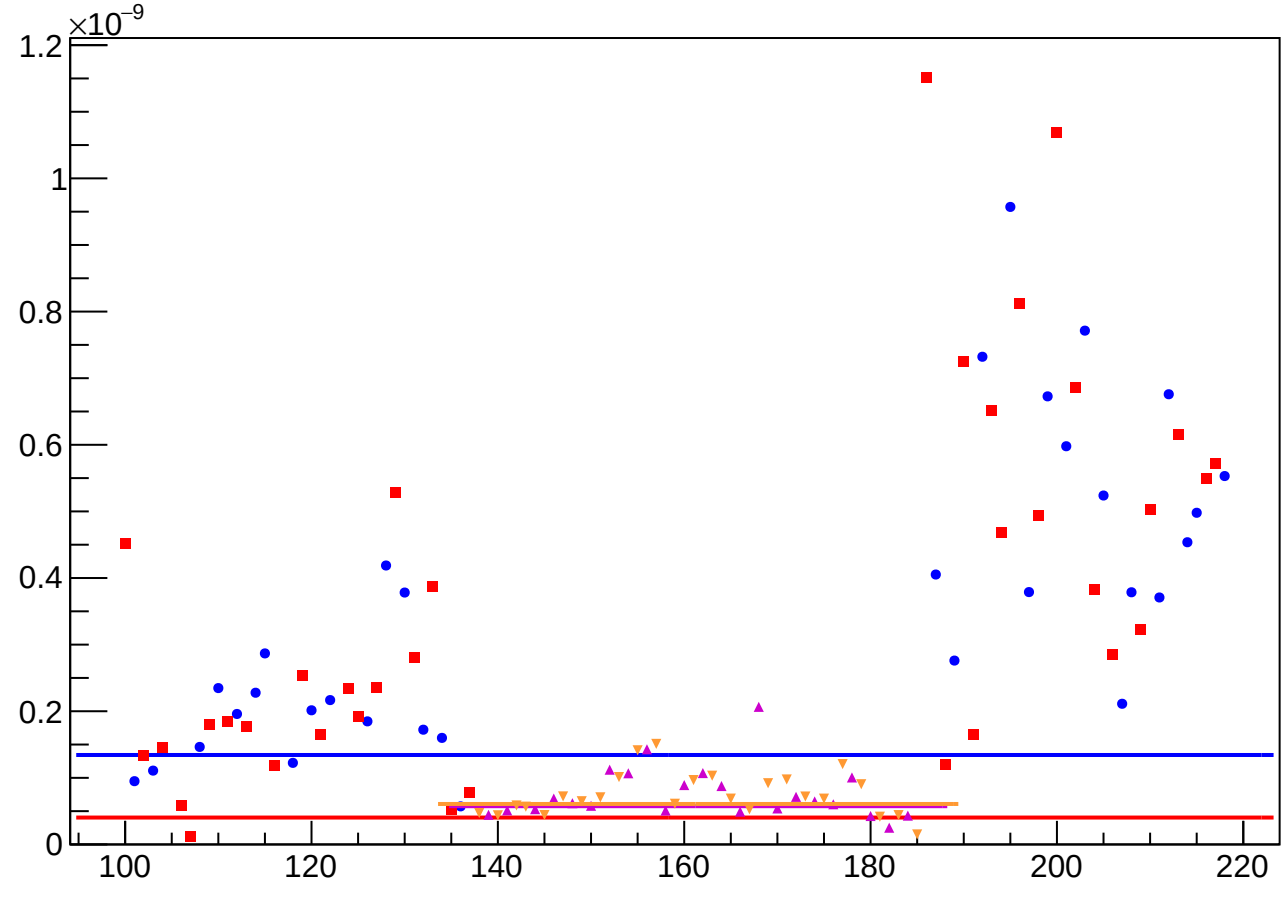
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 83.2/67

In: 0.000+/-0.000 χ^2/NDF:61.4/54

Out: 0.000+/-0.000 χ^2/NDF:75.7/60

All: 0.000+/-0.000 χ^2/NDF: 137.8/115



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: 13557186.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

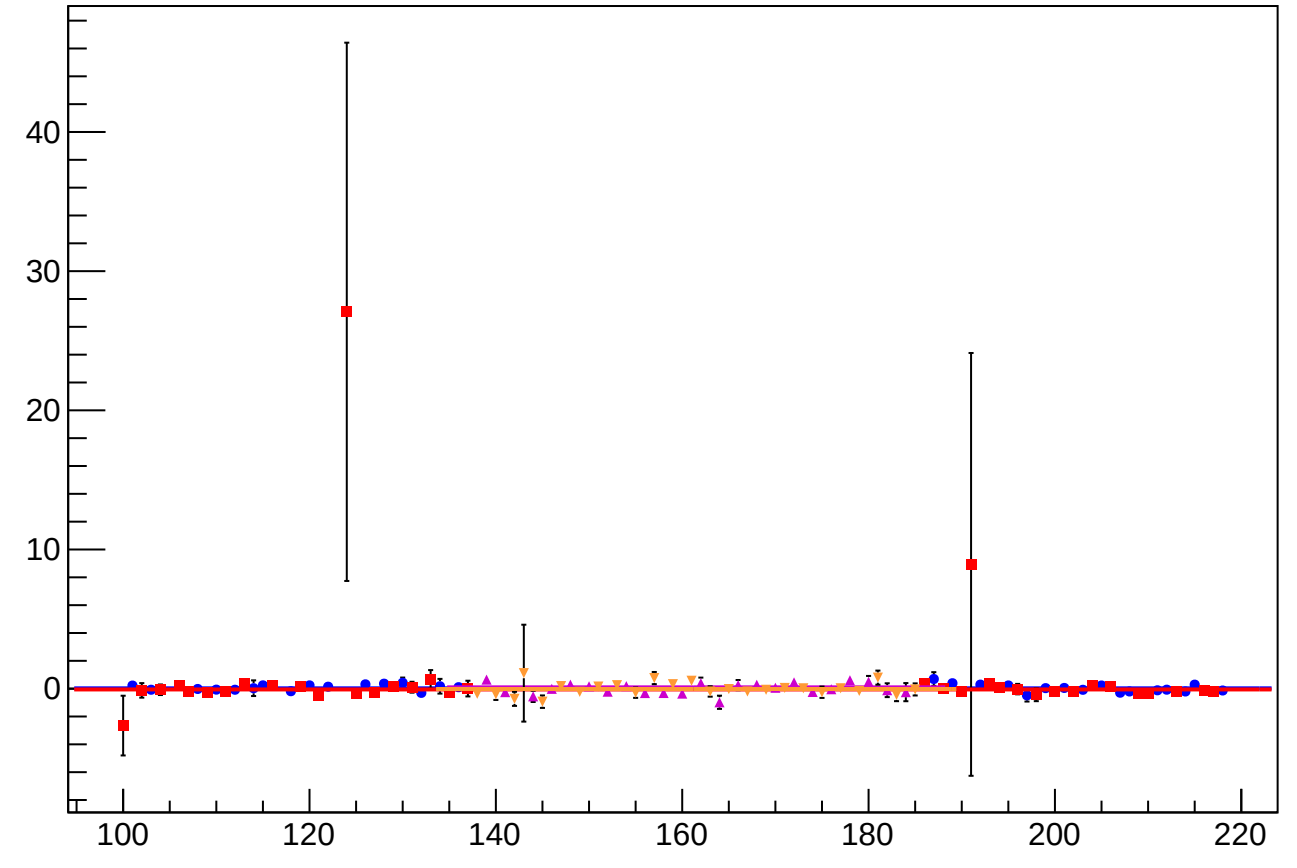
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 24891477.8/67

In: 0.000+/-0.000 χ^2/NDF:12318738.8/54

Out: 0.000+/-0.000 χ^2/NDF:15776415.4/60

All: 0.000+/-0.000 χ^2/NDF: 28512332.6/115



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: -0.056+/-0.041 χ^2/NDF: 37.6/35

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

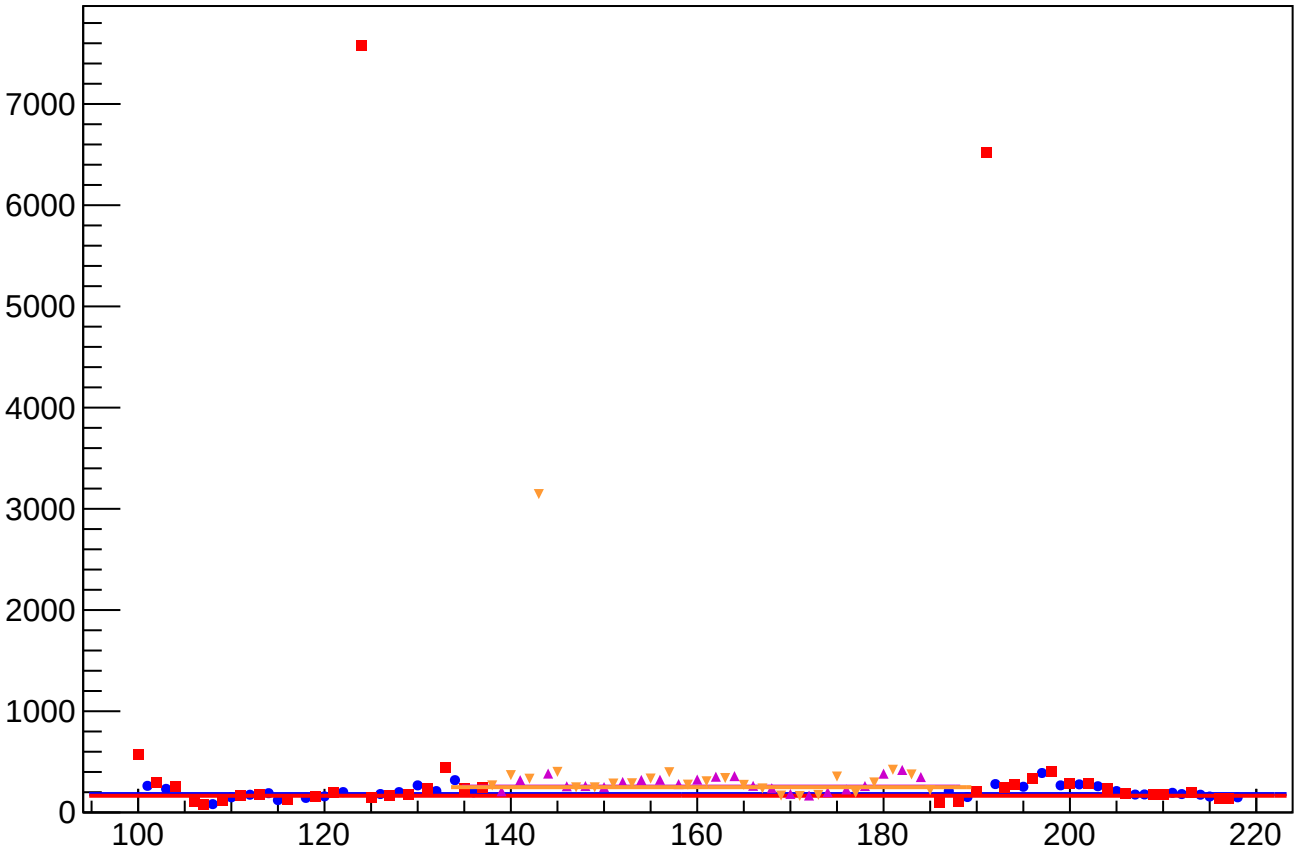
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.019+/-0.030 χ^2/NDF: 65.1/67

In: 0.046+/-0.036 χ^2/NDF:58.1/54

Out: -0.046+/-0.034 χ^2/NDF:61.3/60

All: -0.002+/-0.025 χ^2/NDF: 123.0/115



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: 164.987+/-0.029 χ^2/NDF: 5445989.2/35

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

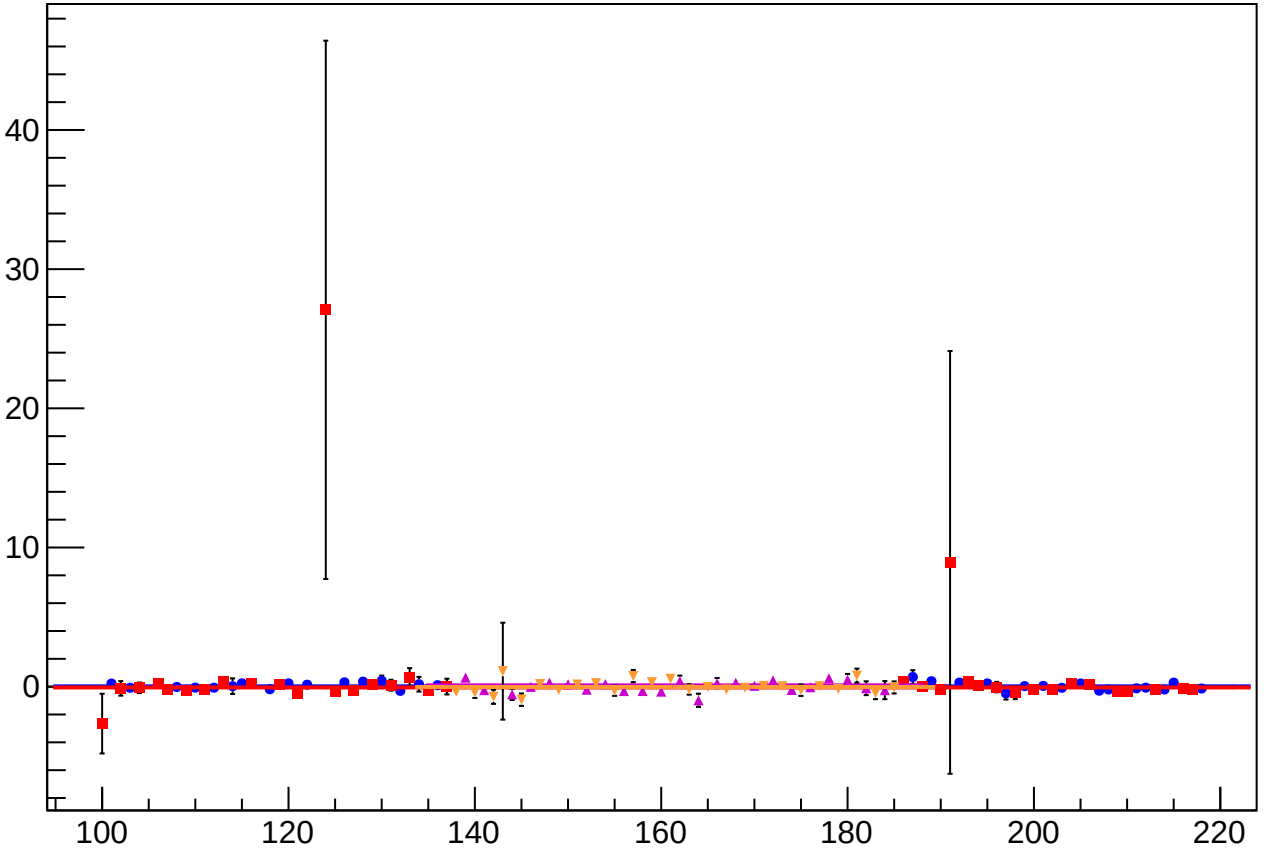
Right: 172.811+/-0.021 χ^2/NDF: 8728784.8/67

In: 205.129+/-0.025 χ^2/NDF:7097044.5/54

Out: 190.604+/-0.024 χ^2/NDF:12328760.6/60

All: 197.508+/-0.017 χ^2/NDF: 19600812.0/11

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: -0.056+/-0.041 χ^2/NDF: 37.6/35

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

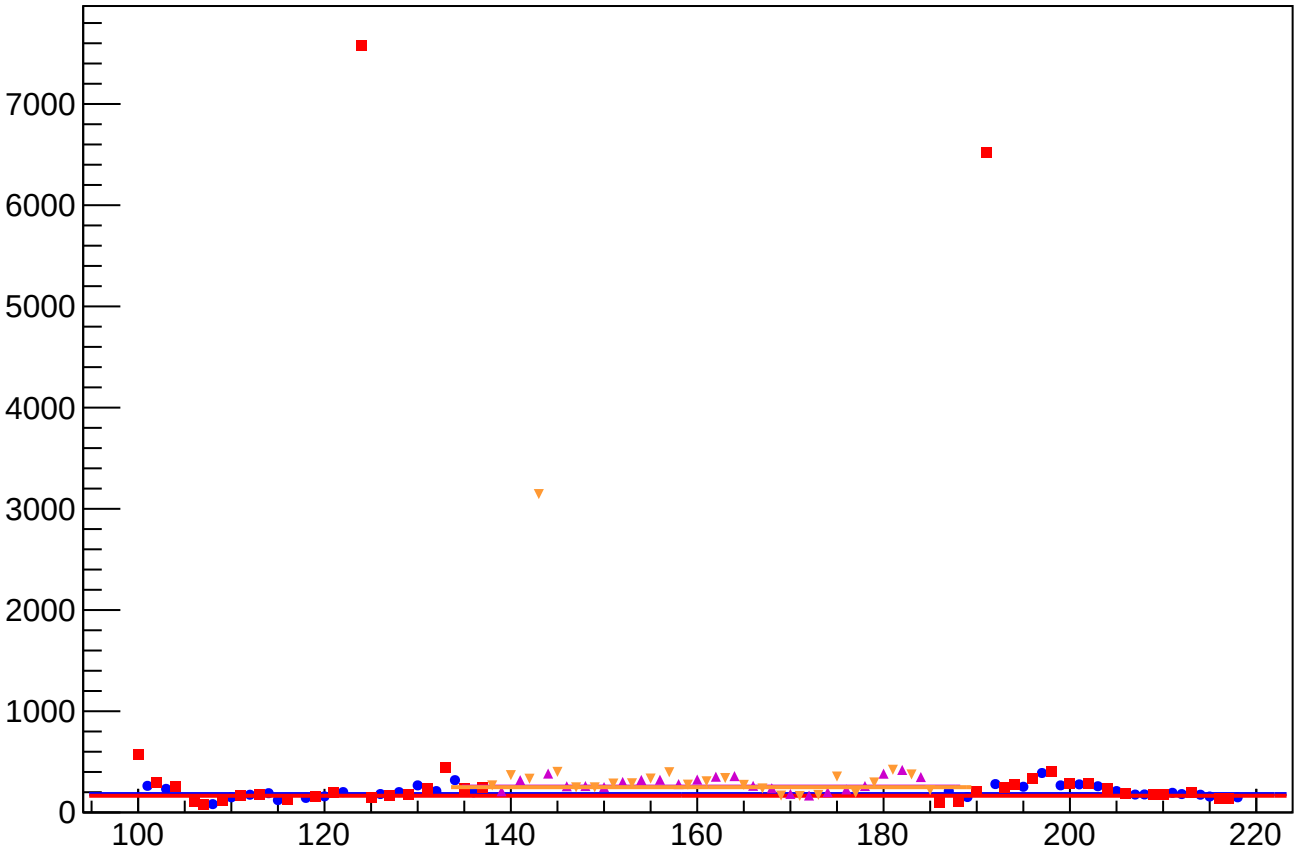
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.019+/-0.030 χ^2/NDF: 65.1/67

In: 0.046+/-0.036 χ^2/NDF:58.1/54

Out: -0.046+/-0.034 χ^2/NDF:61.3/60

All: -0.002+/-0.025 χ^2/NDF: 123.0/115



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: 164.987+/-0.029 χ^2/NDF: 5445989.2/35

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

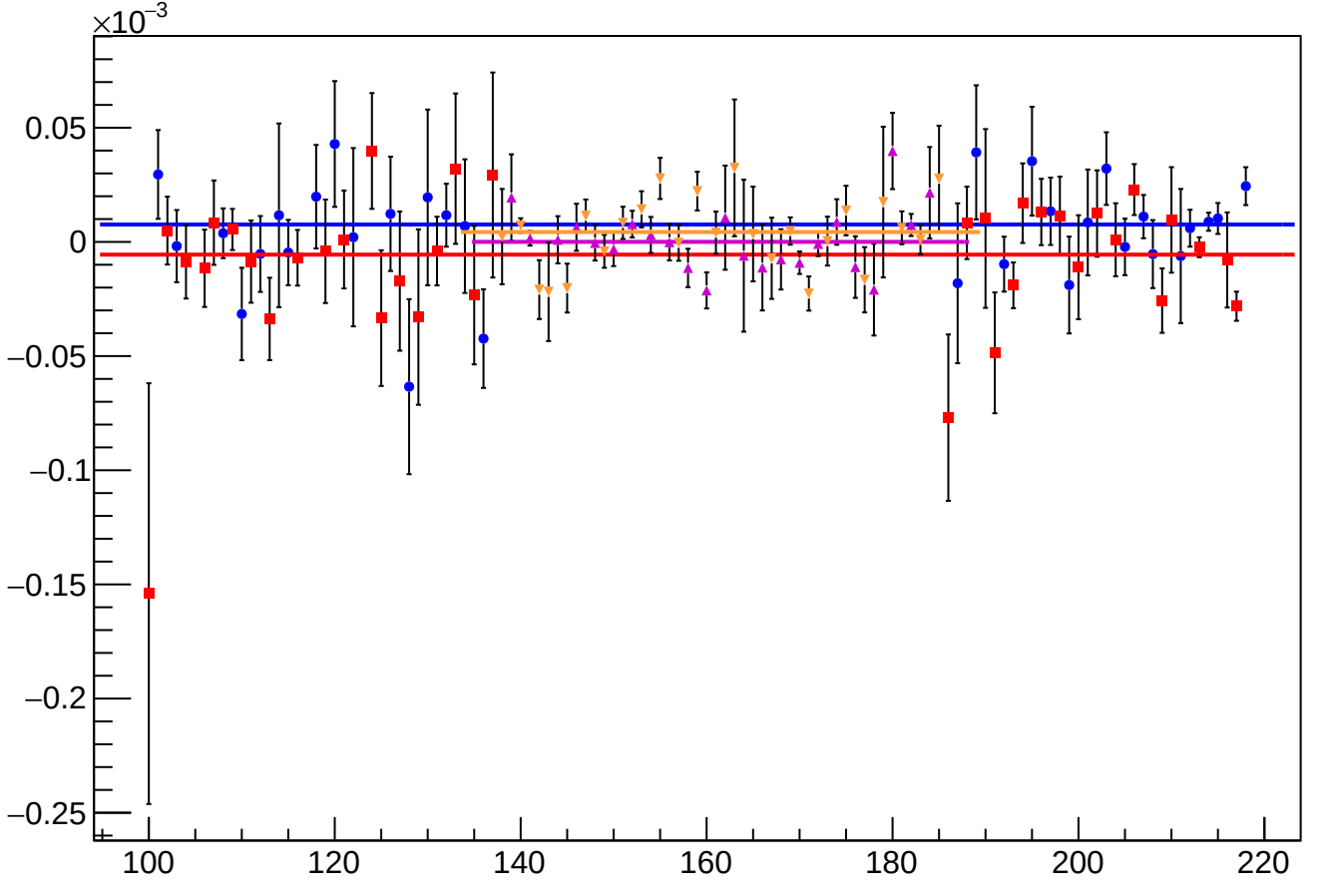
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 172.811+/-0.021 χ^2/NDF: 8728784.8/67

In: 205.129+/-0.025 χ^2/NDF:7097044.5/54

Out: 190.604+/-0.024 χ^2/NDF:12328760.6/60

All: 197.508+/-0.017 χ^2/NDF: 19600812.0/11



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: 51.7/35

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

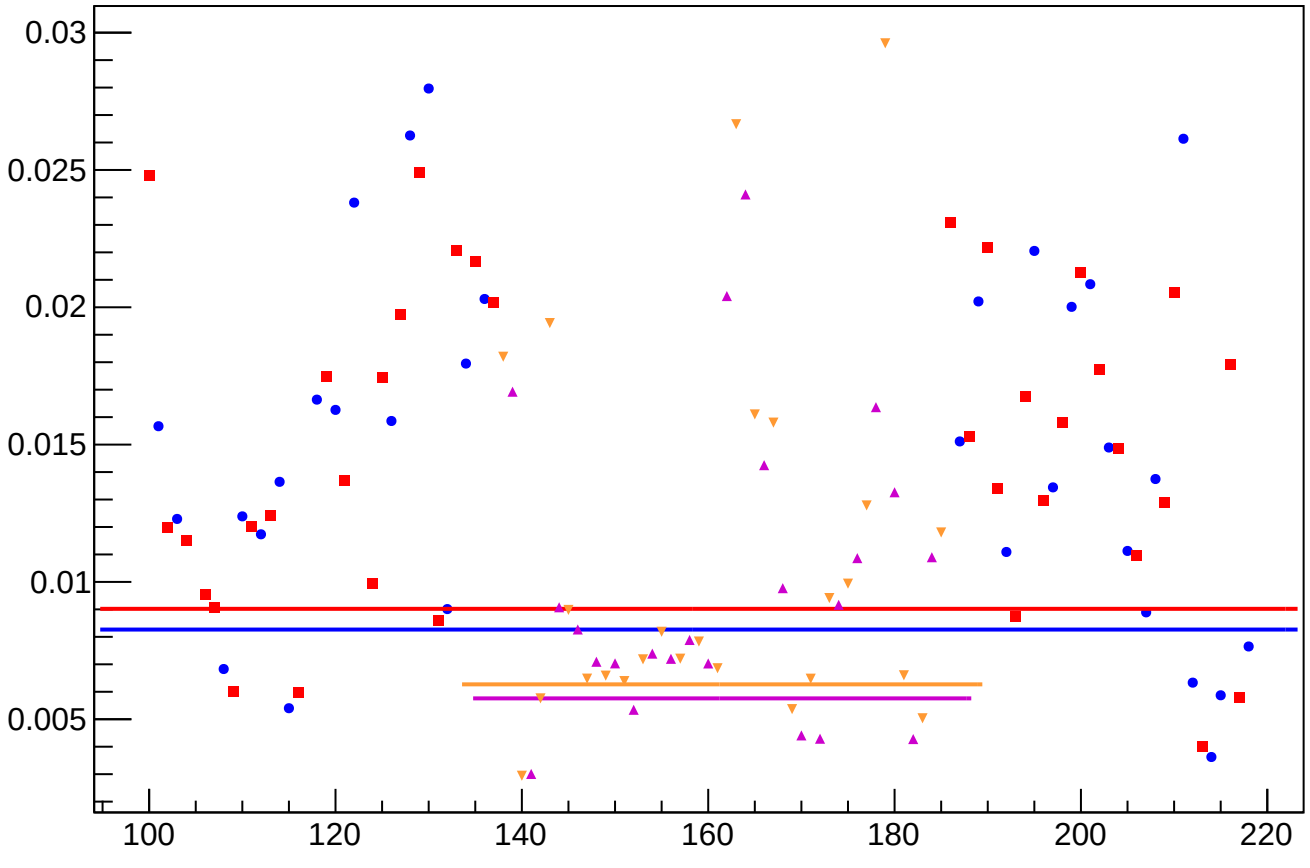
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: 0.000+/-0.000 χ^2/NDF: 101.8/67

In: 0.000+/-0.000 χ^2/NDF:70.0/54

Out: 0.000+/-0.000 χ^2/NDF:109.9/60

All: 0.000+/-0.000 χ^2/NDF: 180.6/115



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: 9807443.3/35

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

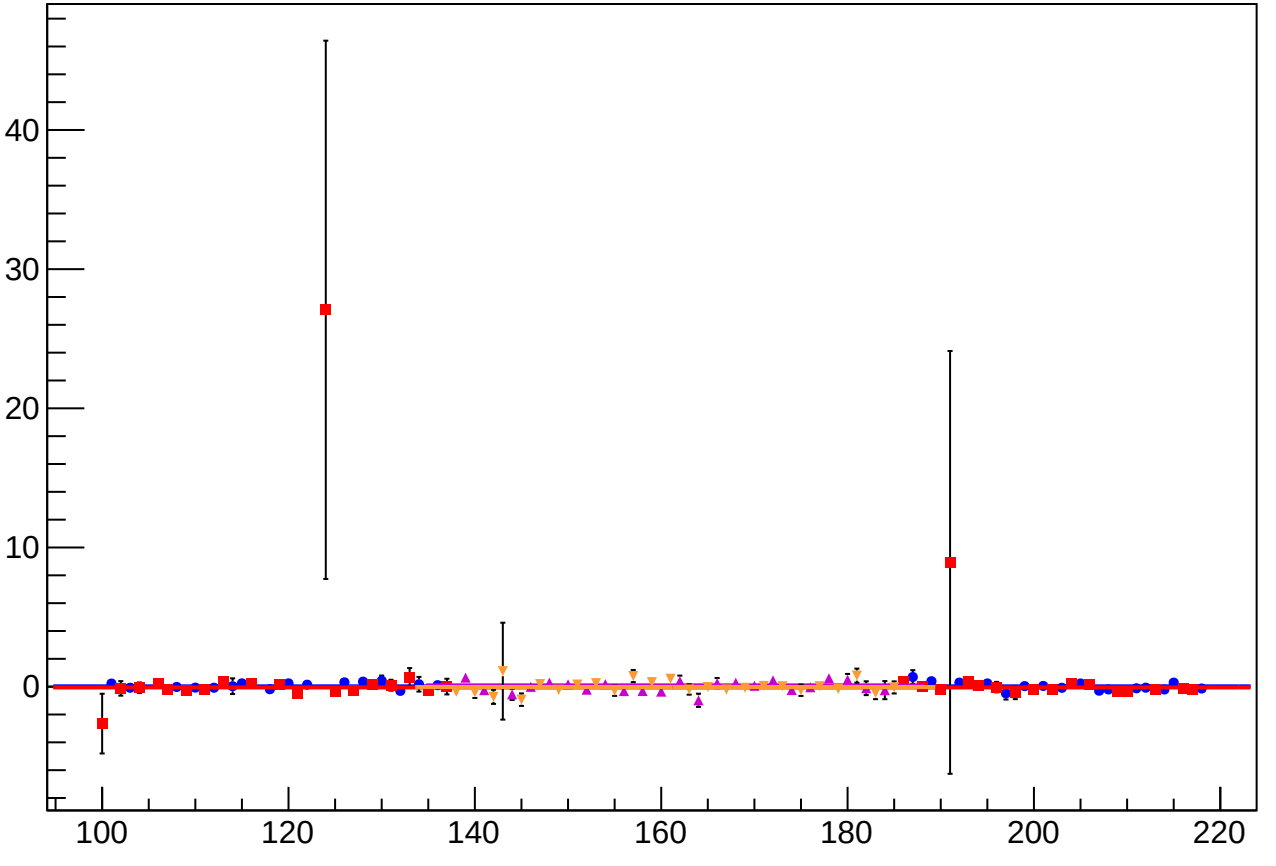
Right: 0.009+/-0.000 χ^2/NDF: 20630705.1/67

In: 0.007+/-0.000 χ^2/NDF:19489738.1/54

Out: 0.007+/-0.000 χ^2/NDF:19588859.4/60

All: 0.007+/-0.000 χ^2/NDF: 39281745.1/115

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: -0.056+/-0.041 χ^2/NDF: 37.6/35

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

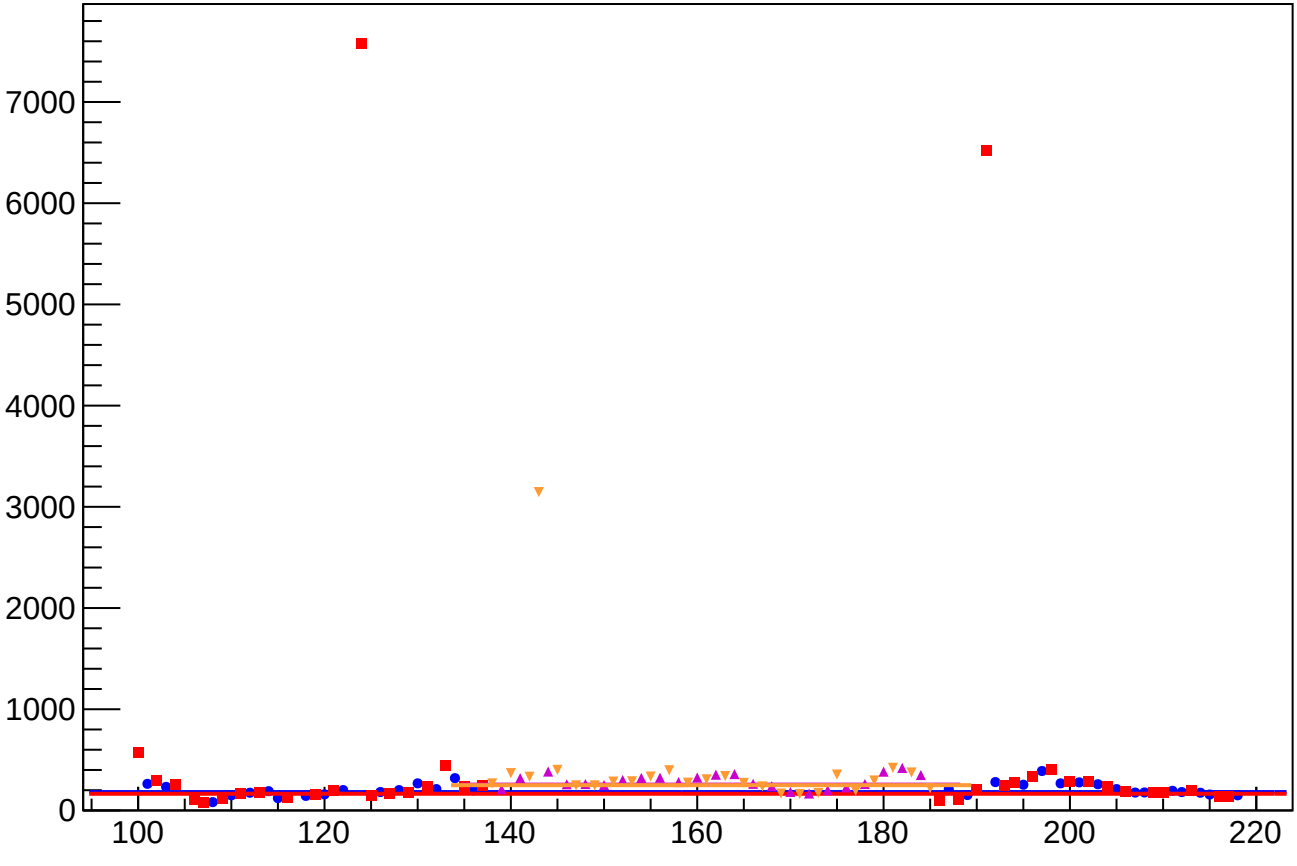
Right: -0.019+/-0.030 χ^2/NDF: 65.1/67

In: 0.046+/-0.036 χ^2/NDF:58.1/54

Out: -0.046+/-0.034 χ^2/NDF:61.3/60

All: -0.002+/-0.025 χ^2/NDF: 123.0/115

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: 164.989+/-0.029 χ^2/NDF: 5445841.1/35

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

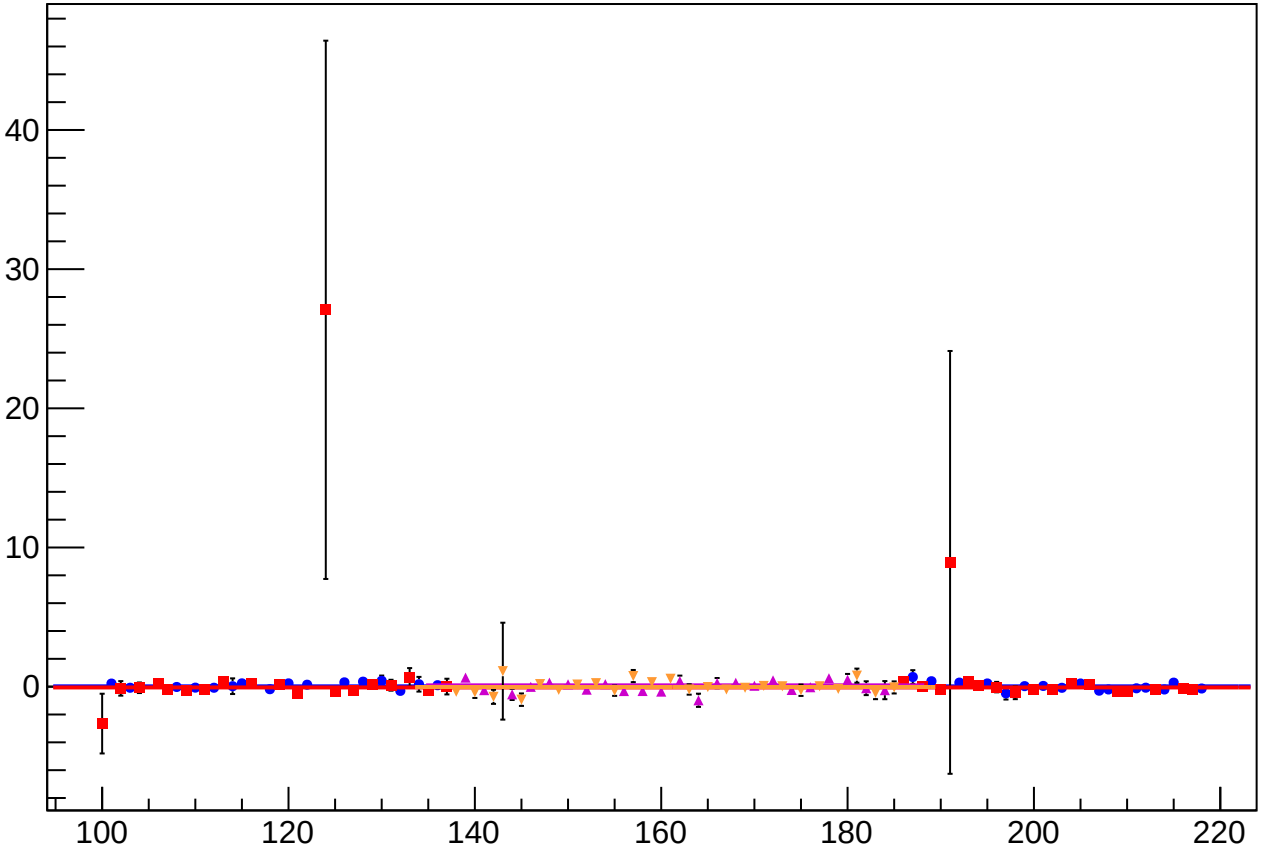
Right: 172.812+/-0.021 χ^2/NDF: 8728649.2/67

In: 205.129+/-0.025 χ^2/NDF:7097281.4/54

Out: 190.606+/-0.024 χ^2/NDF:12328631.8/60

All: 197.509+/-0.017 χ^2/NDF: 19600864.8/1

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: -0.056+/-0.041 χ^2/NDF: 37.6/35

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

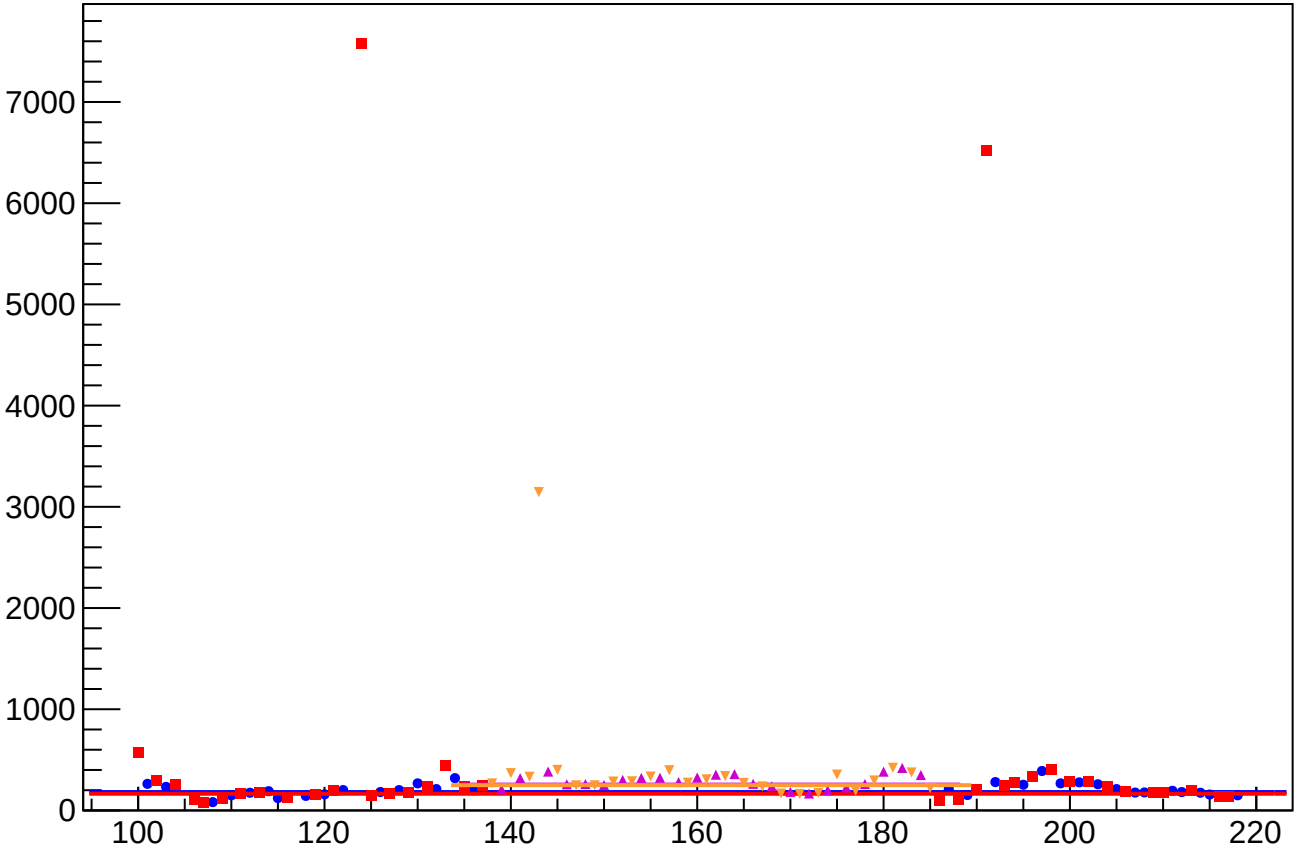
Right: -0.019+/-0.030 χ^2/NDF: 65.1/67

In: 0.046+/-0.036 χ^2/NDF:58.1/54

Out: -0.046+/-0.034 χ^2/NDF:61.3/60

All: -0.002+/-0.025 χ^2/NDF: 123.0/115

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: 164.989+/-0.029 χ^2/NDF: 5445841.1/35

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

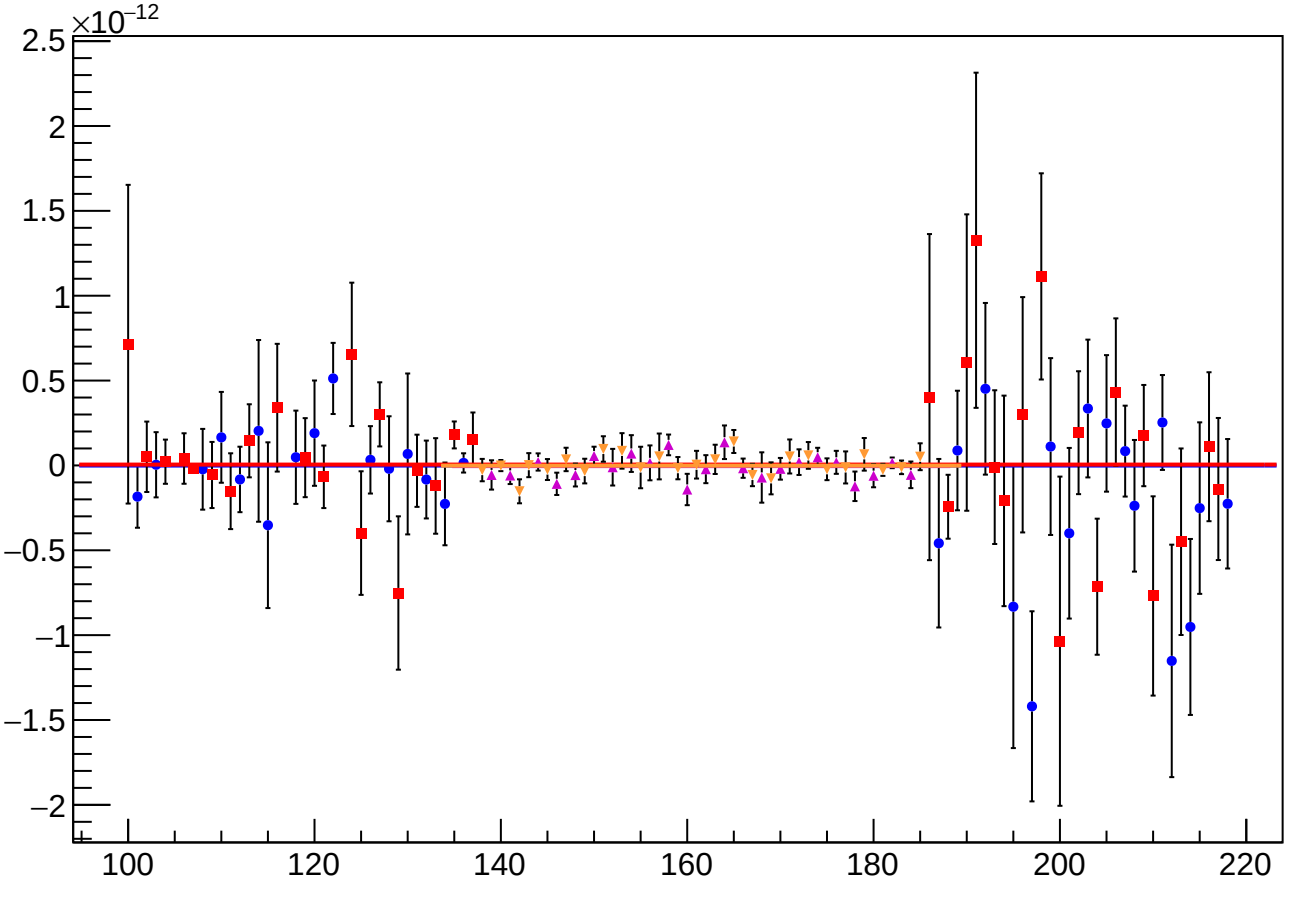
Right: 172.812+/-0.021 χ^2/NDF: 8728649.2/67

In: 205.129+/-0.025 χ^2/NDF:7097281.4/54

Out: 190.606+/-0.024 χ^2/NDF:12328631.8/60

All: 197.509+/-0.017 χ^2/NDF: 19600864.8/1

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: 34.7/35

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

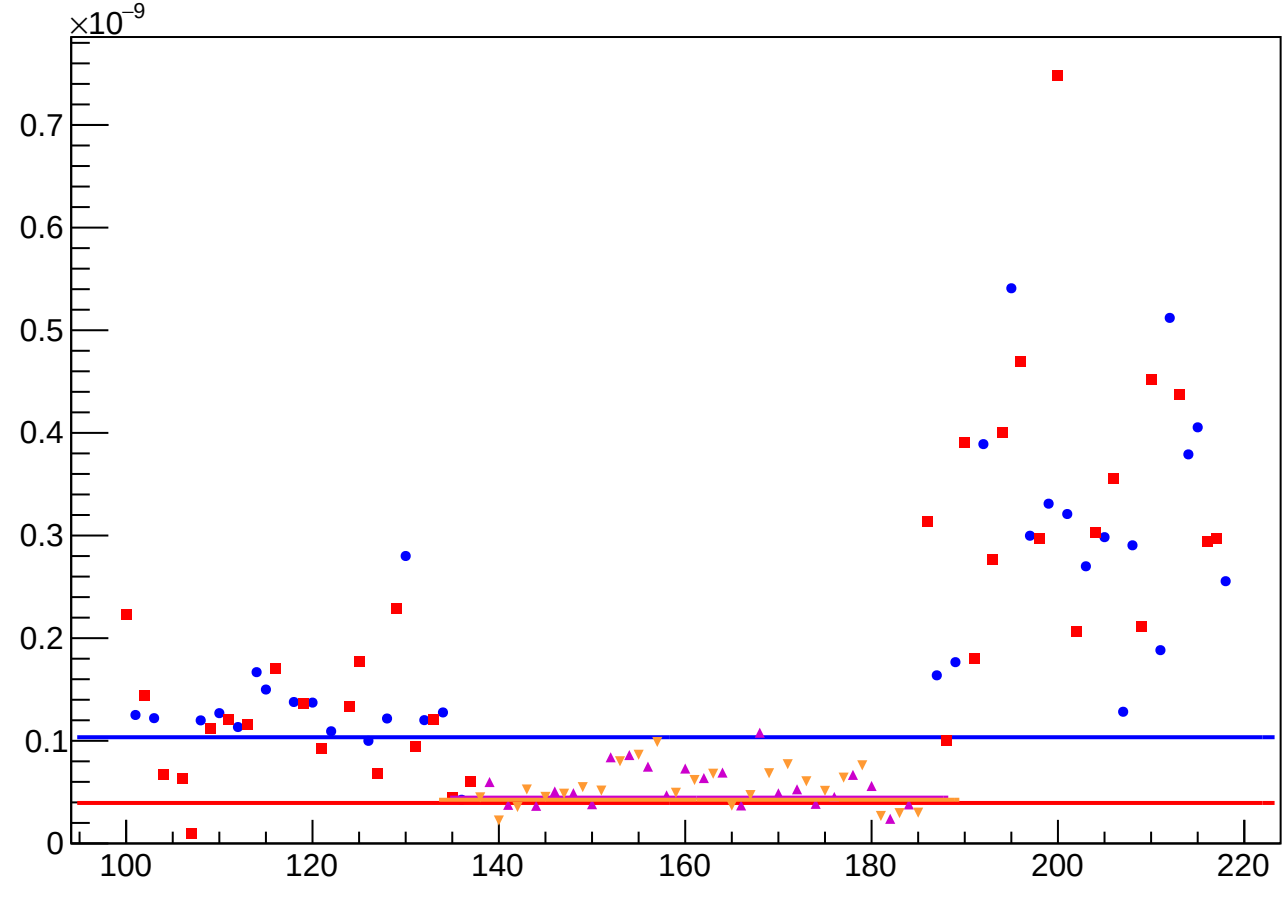
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 63.4/67

In: -0.000+/-0.000 χ^2/NDF:48.6/54

Out: 0.000+/-0.000 χ^2/NDF:51.1/60

All: -0.000+/-0.000 χ^2/NDF: 99.8/115



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: 16501210.4/35

Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

Left: 0.000+/-0.000 χ^2/NDF: 6543796.8/47

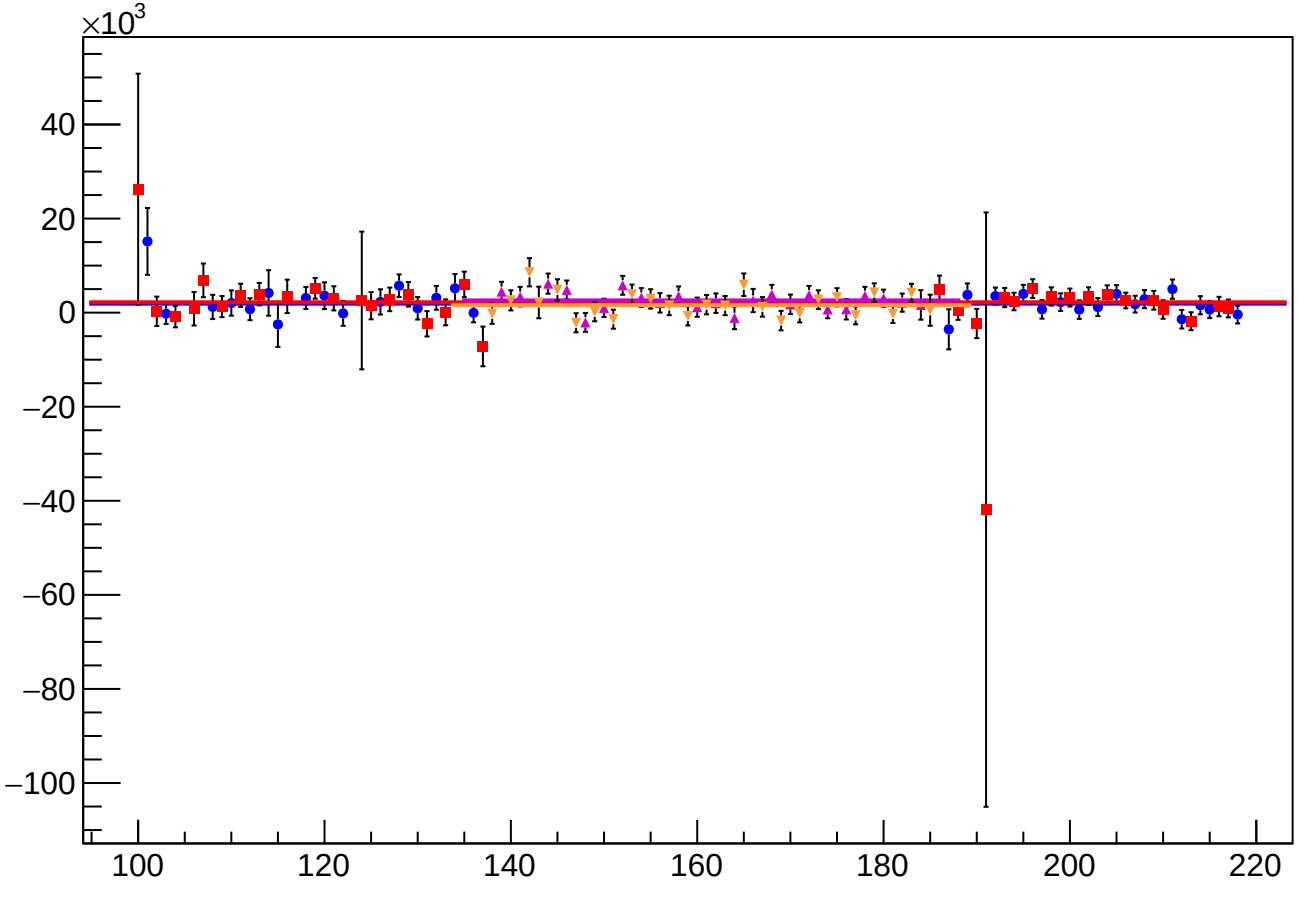
Right: 0.000+/-0.000 χ^2/NDF: 29392410.5/67

In: 0.000+/-0.000 χ^2/NDF:15761693.1/54

Out: 0.000+/-0.000 χ^2/NDF:20179230.7/60

All: 0.000+/-0.000 χ^2/NDF: 36511087.9/115

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: 2204.182+/-397.190 χ^2/NDF: 33.4/35

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

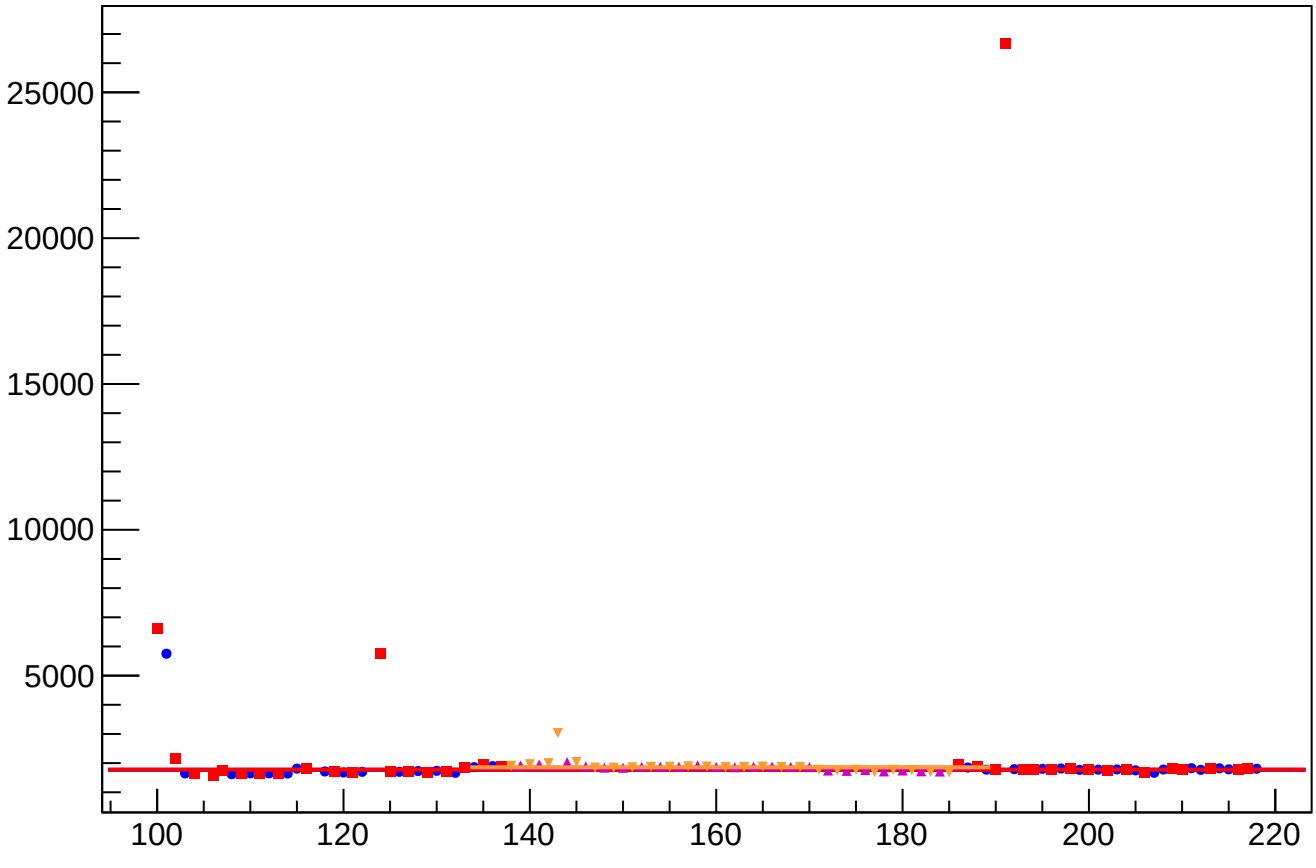
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2060.883+/-280.963 χ^2/NDF: 59.5/67

In: 2230.636+/-291.978 χ^2/NDF:47.3/54

Out: 1917.768+/-289.646 χ^2/NDF:65.8/60

All: 2072.948+/-205.630 χ^2/NDF: 113.6/115



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: 1775.866+/-0.280 χ^2/NDF: 649657.1/35

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

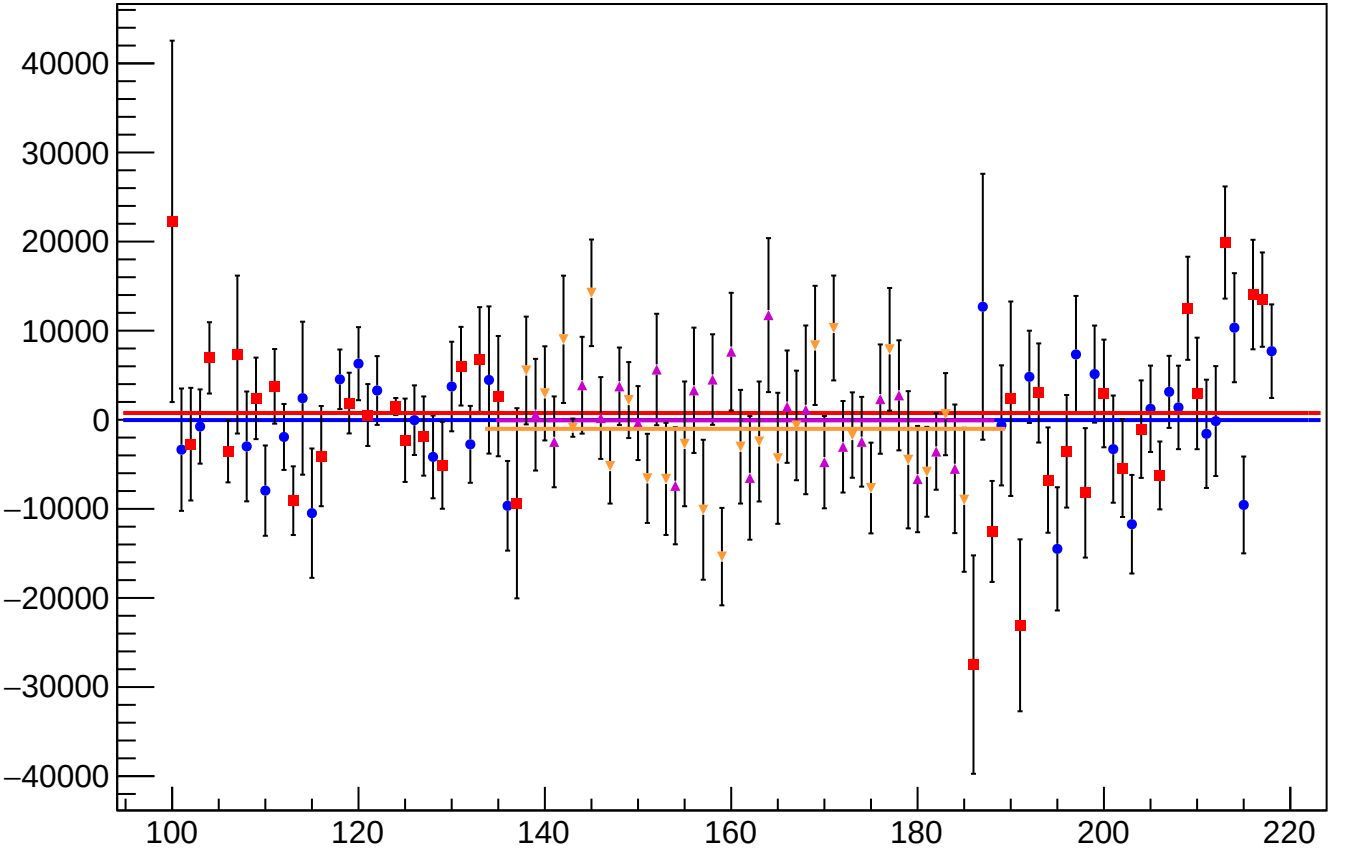
Right: 1773.257+/-0.198 χ^2/NDF: 1335161.6/67

In: 1803.022+/-0.206 χ^2/NDF:785162.1/54

Out: 1813.072+/-0.205 χ^2/NDF:1011719.4/60

All: 1808.095+/-0.145 χ^2/NDF: 1798077.3/11

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: 757.781+/-650.120 χ^2/NDF: 69.6/35

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

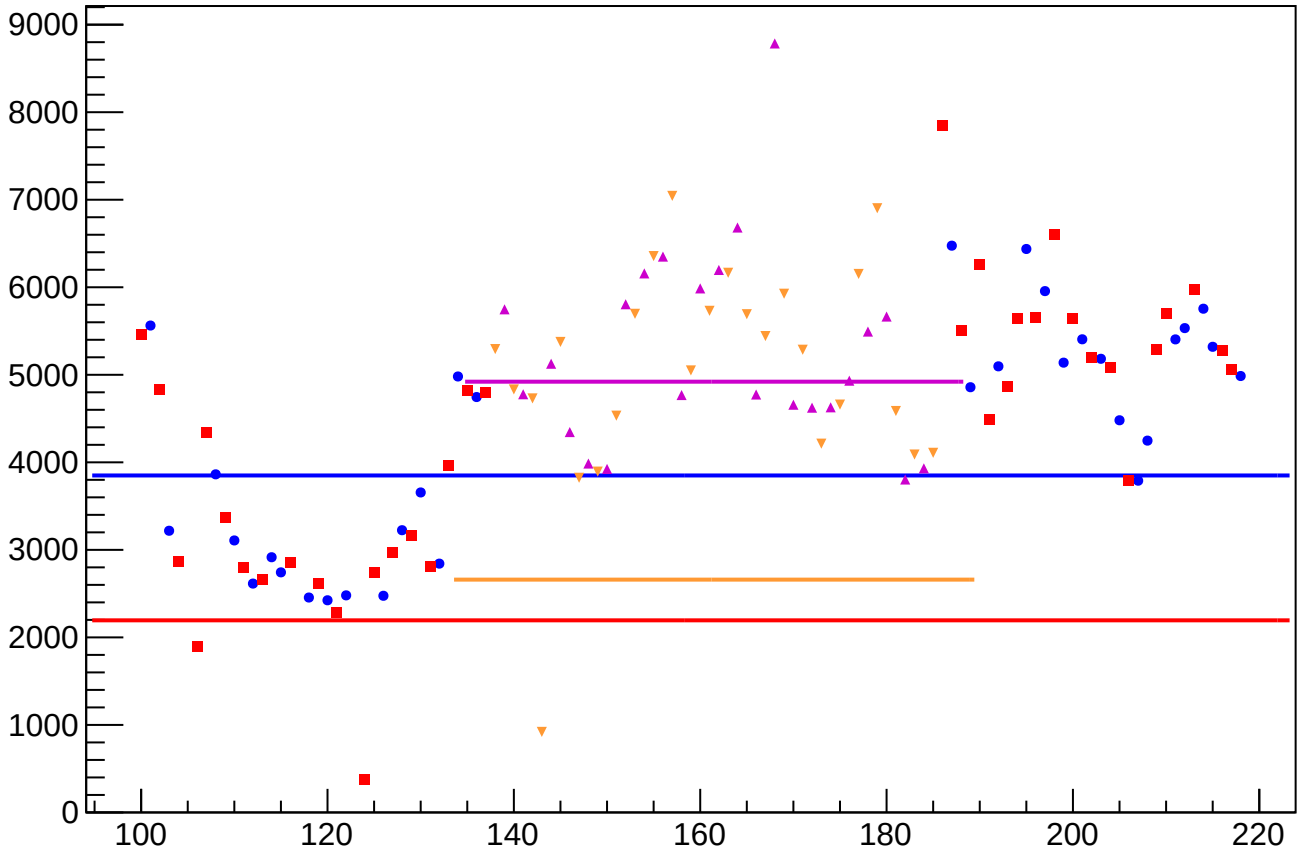
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 487.347+/-527.613 χ^2/NDF: 108.0/67

In: -44.823+/-715.651 χ^2/NDF:50.9/54

Out: 20.409+/-497.230 χ^2/NDF:106.5/60

All: -0.829+/-408.343 χ^2/NDF: 157.4/115



Right In: 3849.920+/-0.639 χ^2/NDF: 3677005.4/31

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 2194.879+/-0.460 χ^2/NDF: 18055769.4/35

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

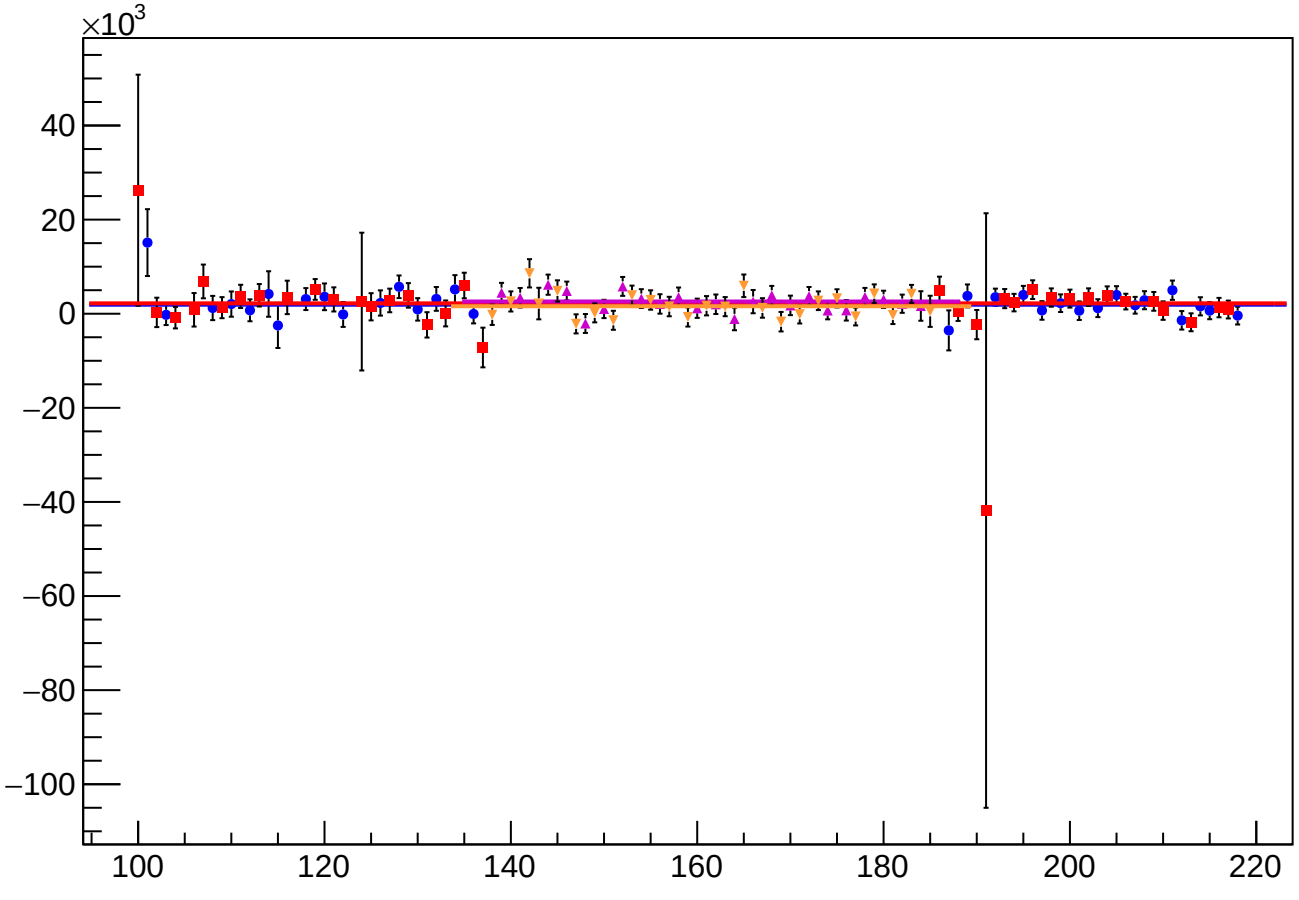
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2759.854+/-0.373 χ^2/NDF: 26157445.0/67

In: 4248.430+/-0.506 χ^2/NDF:5975281.1/54

Out: 2387.926+/-0.352 χ^2/NDF:33016736.4/60

All: 2993.655+/-0.289 χ^2/NDF: 48108439.6/1



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: 2204.206+/-397.190 χ^2/NDF: 33.4/35

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

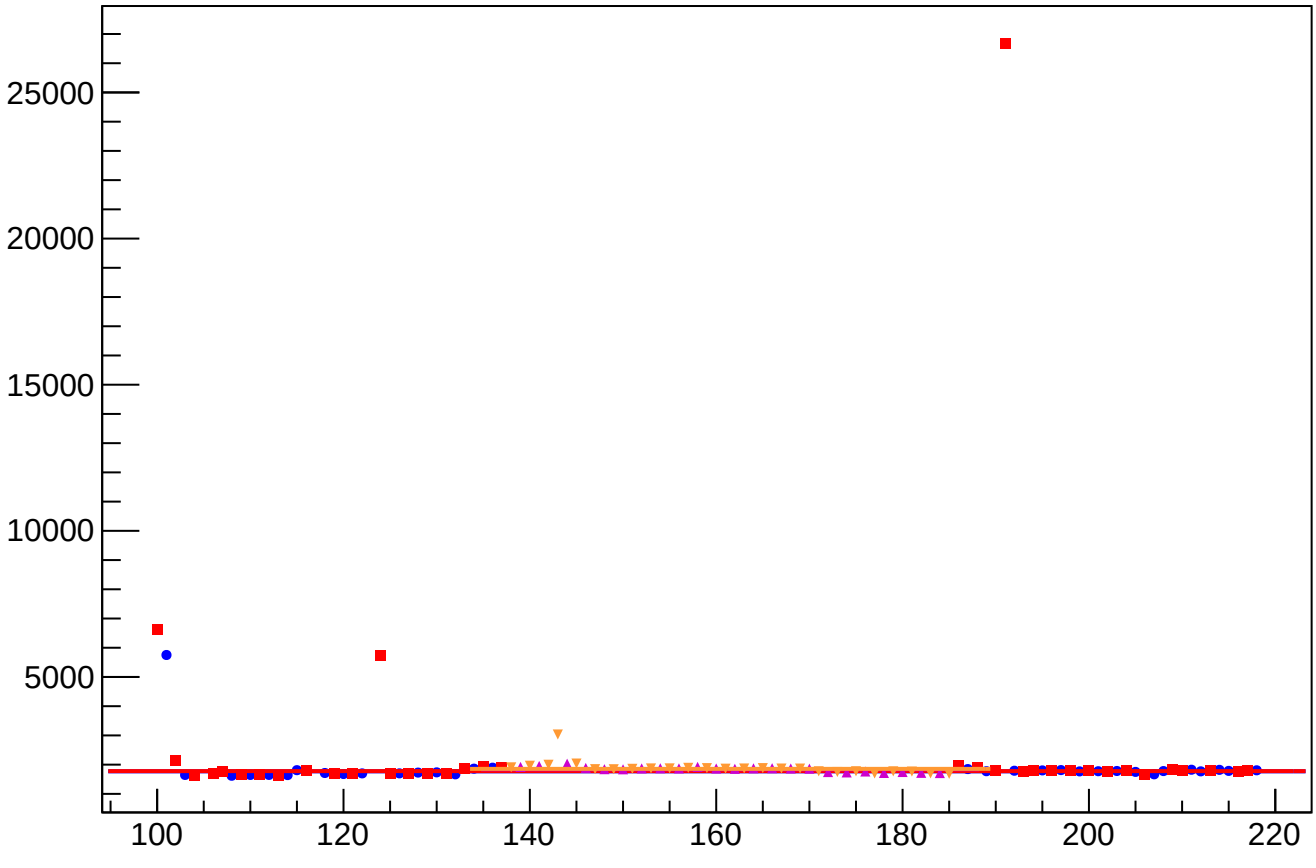
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2060.797+/-280.963 χ^2/NDF: 59.5/67

In: 2230.563+/-291.978 χ^2/NDF:47.3/54

Out: 1917.766+/-289.646 χ^2/NDF:65.8/60

All: 2072.910+/-205.630 χ^2/NDF: 113.6/115



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: 1778.437+/-0.280 χ^2/NDF: 640812.8/35

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

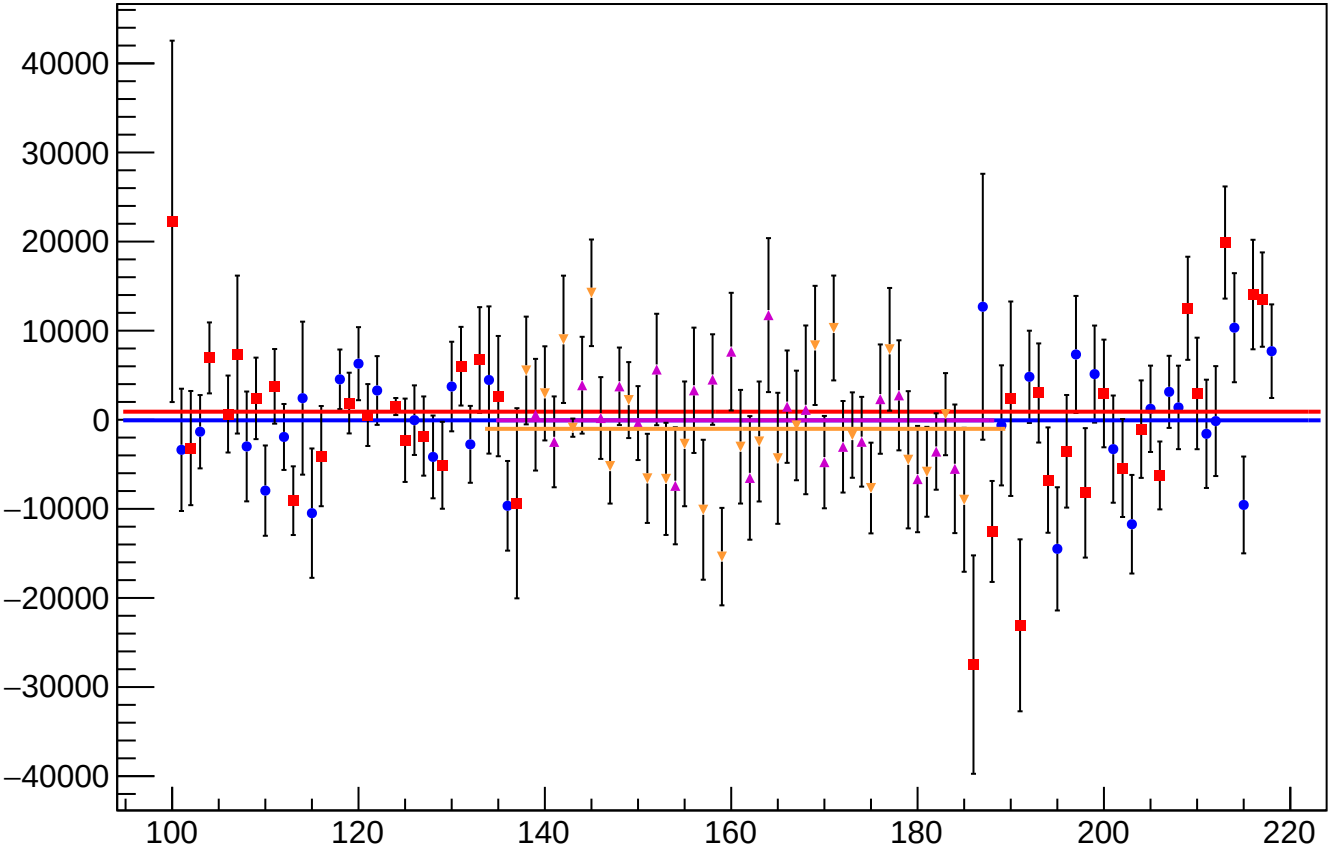
Right: 1774.542+/-0.199 χ^2/NDF: 1326530.1/67

In: 1803.022+/-0.206 χ^2/NDF:785162.5/54

Out: 1814.494+/-0.205 χ^2/NDF:1000431.0/60

All: 1808.808+/-0.145 χ^2/NDF: 1787150.6/11

asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected



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: 907.001+/-654.223 χ^2/NDF: 68.1/35

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

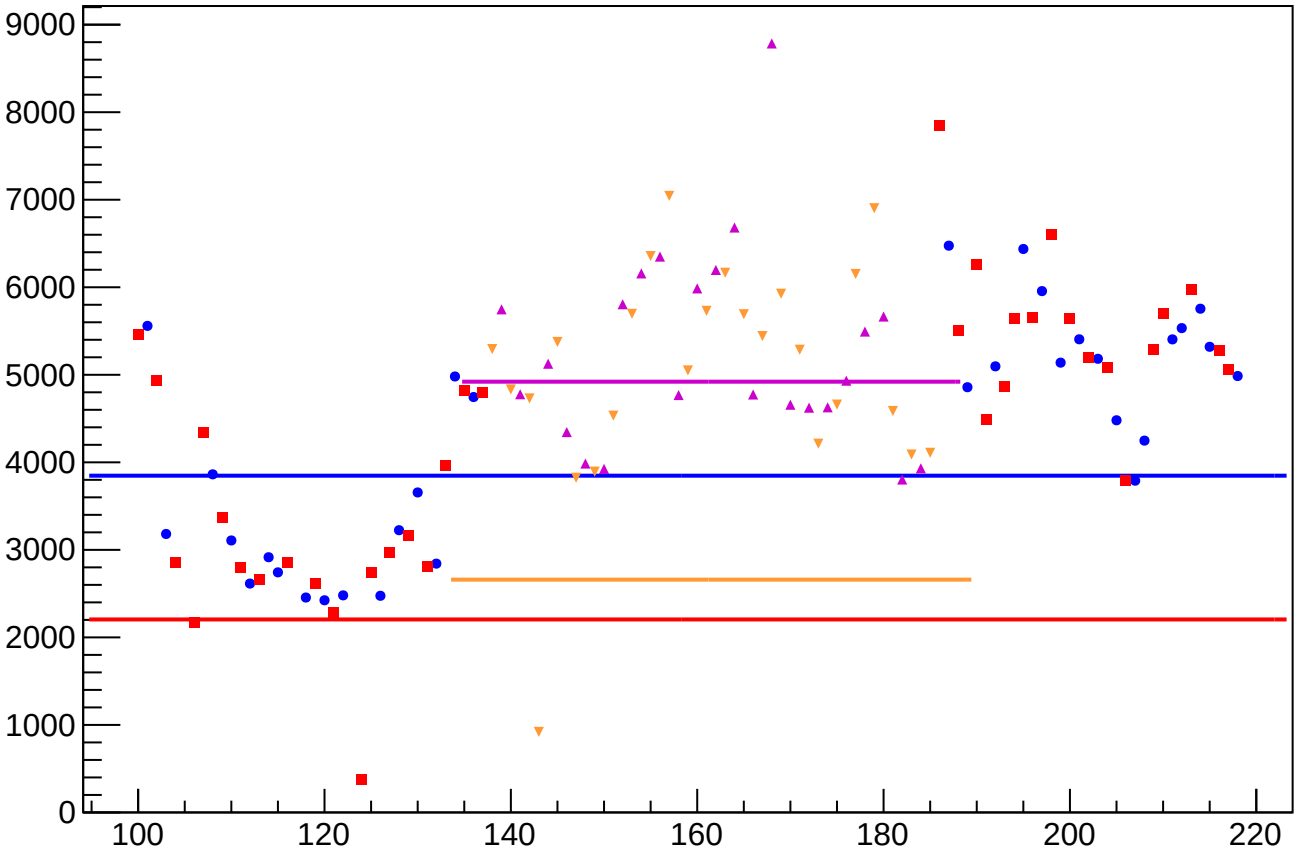
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 572.602+/-529.688 χ^2/NDF: 106.9/67

In: -63.203+/-715.377 χ^2/NDF:51.0/54

Out: 101.848+/-499.054 χ^2/NDF:105.5/60

All: 47.818+/-409.300 χ^2/NDF: 156.5/115



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: 2205.129+/-0.463 χ^2/NDF: 18055588.0/35

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

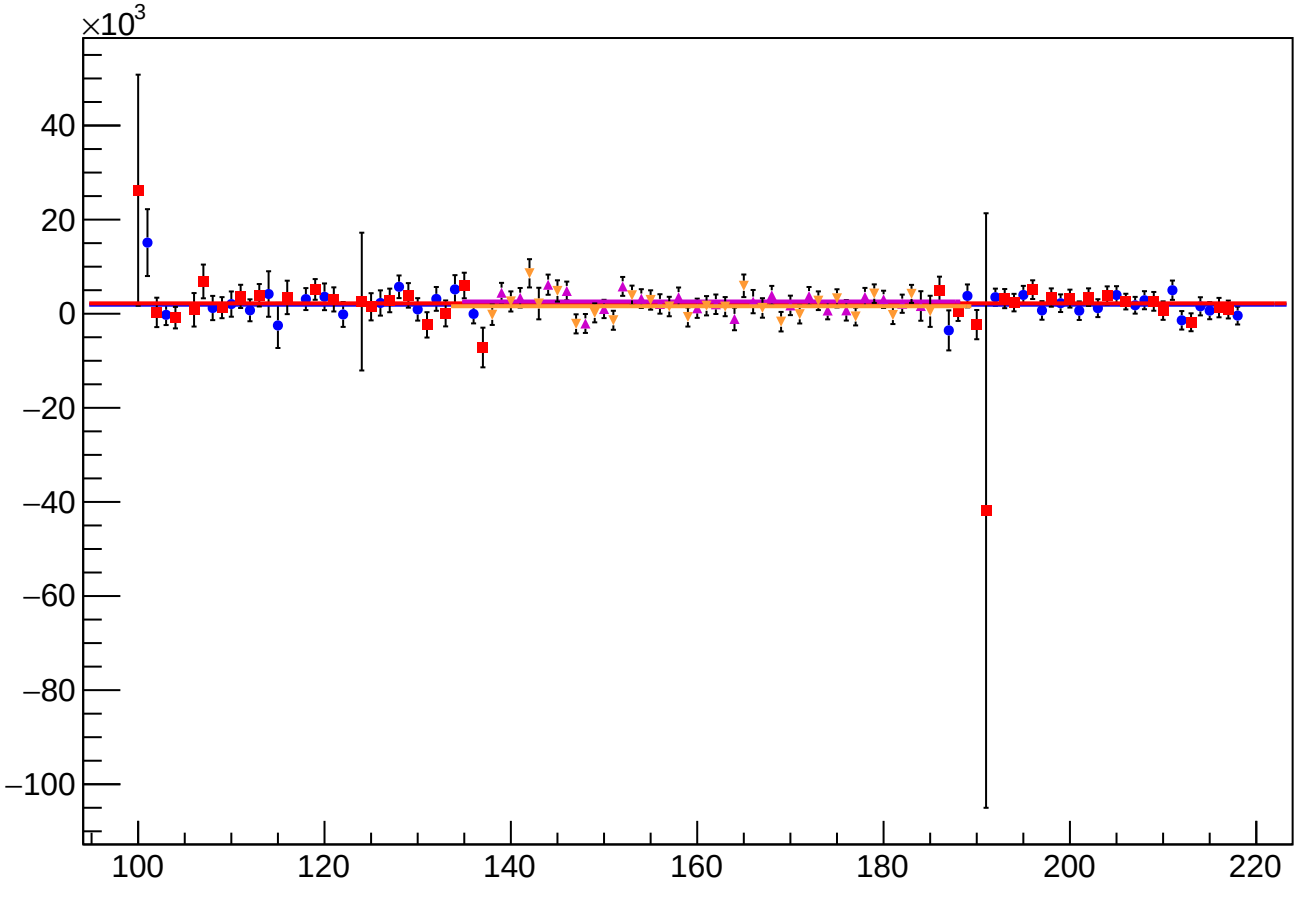
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2770.843+/-0.375 χ^2/NDF: 26080209.0/67

In: 4246.524+/-0.506 χ^2/NDF:5987129.2/54

Out: 2395.275+/-0.353 χ^2/NDF:32996477.9/60

All: 3001.283+/-0.289 χ^2/NDF: 47992652.7/



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: 2204.206+/-397.190 χ^2/NDF: 33.4/35

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

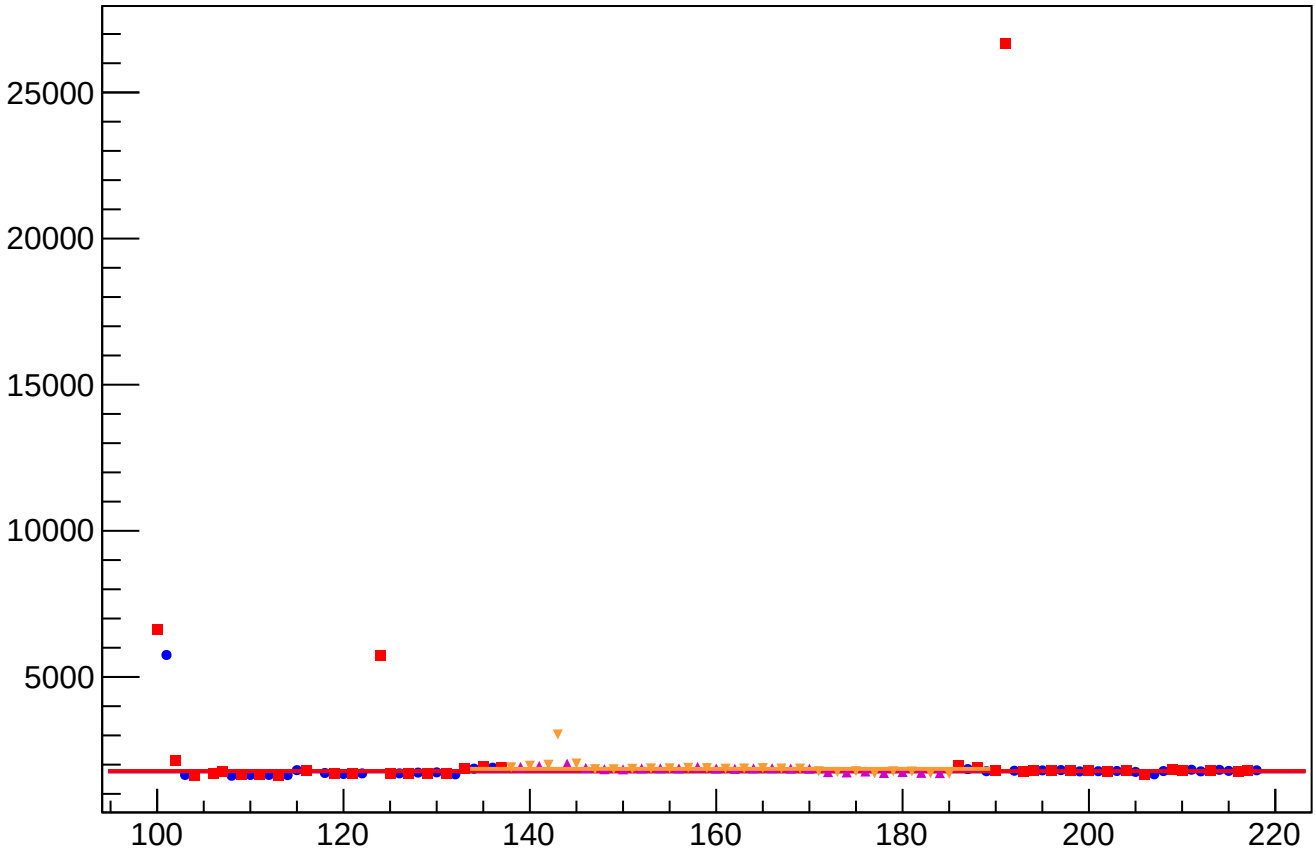
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2060.797+/-280.963 χ^2/NDF: 59.5/67

In: 2230.563+/-291.978 χ^2/NDF:47.3/54

Out: 1917.766+/-289.646 χ^2/NDF:65.8/60

All: 2072.910+/-205.630 χ^2/NDF: 113.6/115



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: 1778.437+/-0.280 χ^2/NDF: 640812.8/35

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

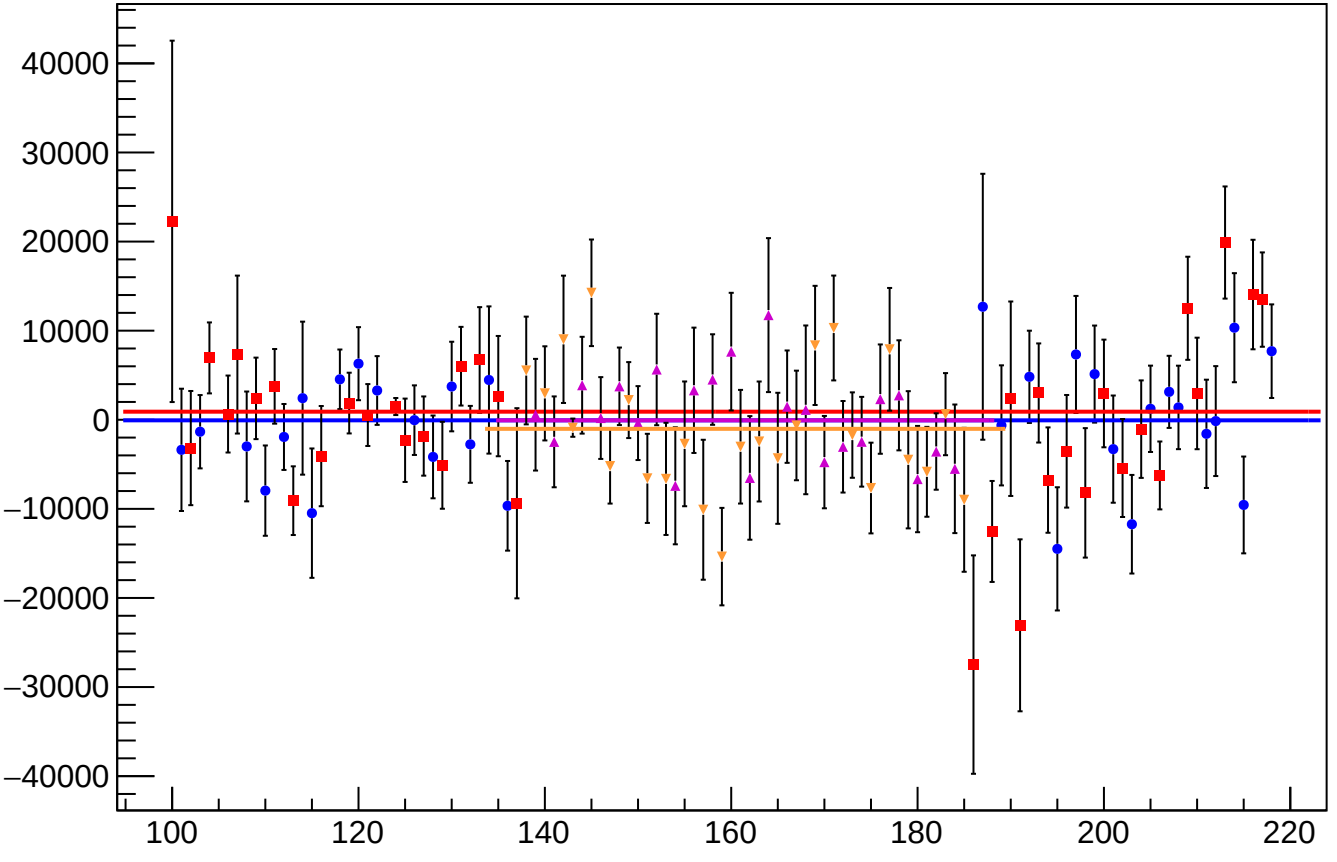
Right: 1774.542+/-0.199 χ^2/NDF: 1326530.1/67

In: 1803.022+/-0.206 χ^2/NDF:785162.5/54

Out: 1814.494+/-0.205 χ^2/NDF:1000431.0/60

All: 1808.808+/-0.145 χ^2/NDF: 1787150.6/11

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 907.001+/-654.223 χ^2/NDF: 68.1/35

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

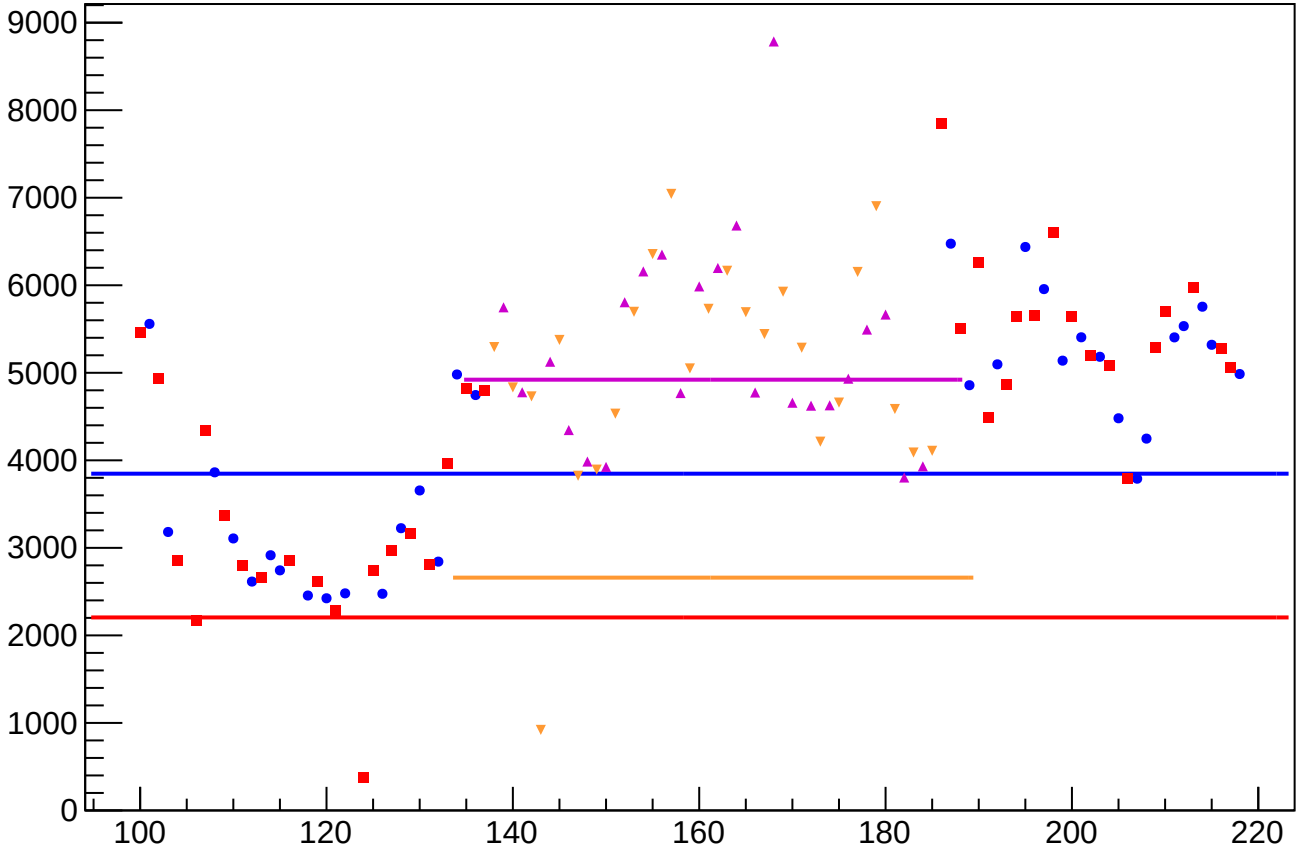
Right: 572.602+/-529.688 χ^2/NDF: 106.9/67

In: -63.203+/-715.377 χ^2/NDF:51.0/54

Out: 101.848+/-499.054 χ^2/NDF:105.5/60

All: 47.818+/-409.300 χ^2/NDF: 156.5/115

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 2205.129+/-0.463 χ^2/NDF: 18055588.0/35

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

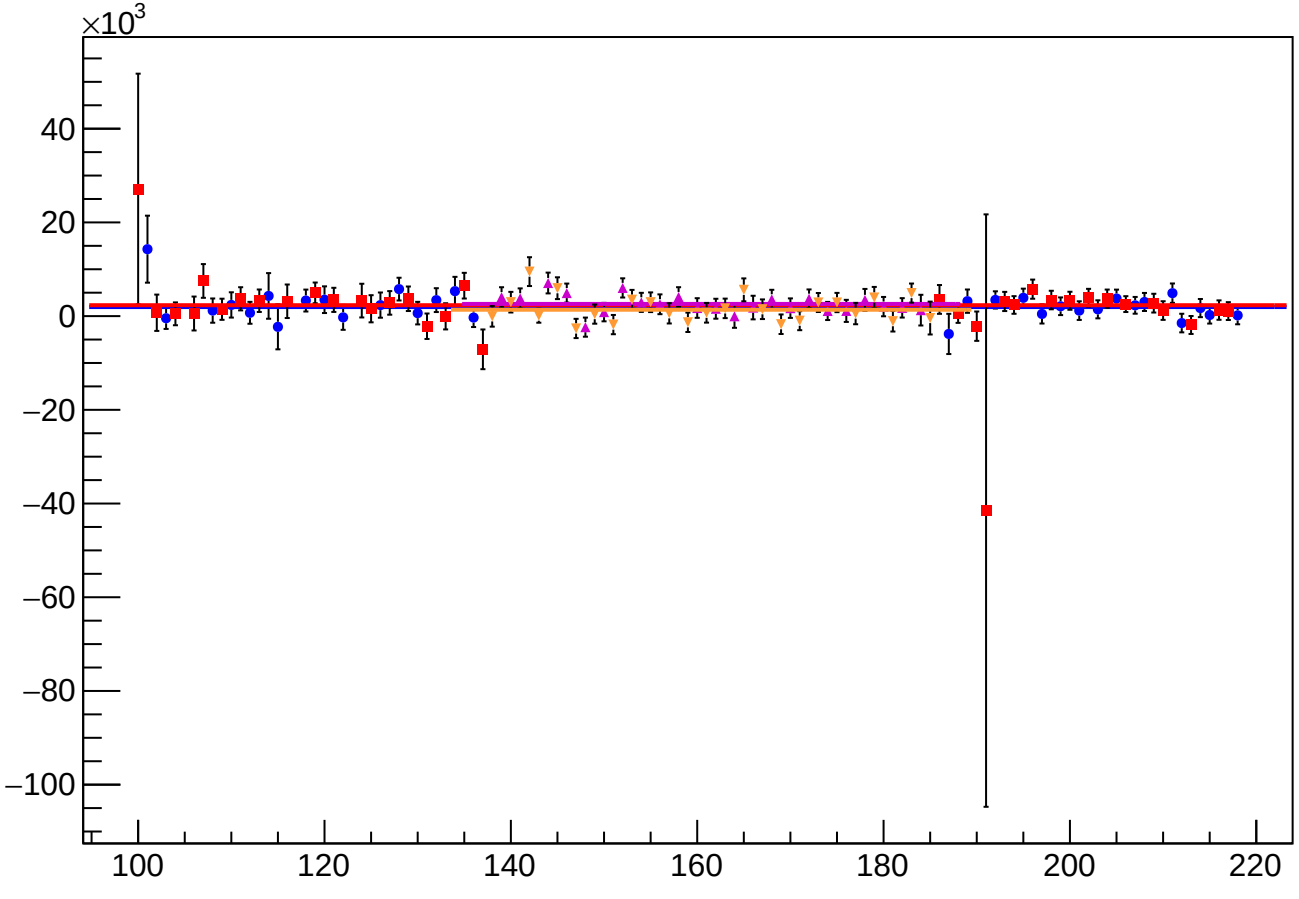
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2770.843+/-0.375 χ^2/NDF: 26080209.0/67

In: 4246.524+/-0.506 χ^2/NDF:5987129.2/54

Out: 2395.275+/-0.353 χ^2/NDF:32996477.9/60

All: 3001.283+/-0.289 χ^2/NDF: 47992652.7/1



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: 2327.143+/-400.040 χ^2/NDF: 31.8/35

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

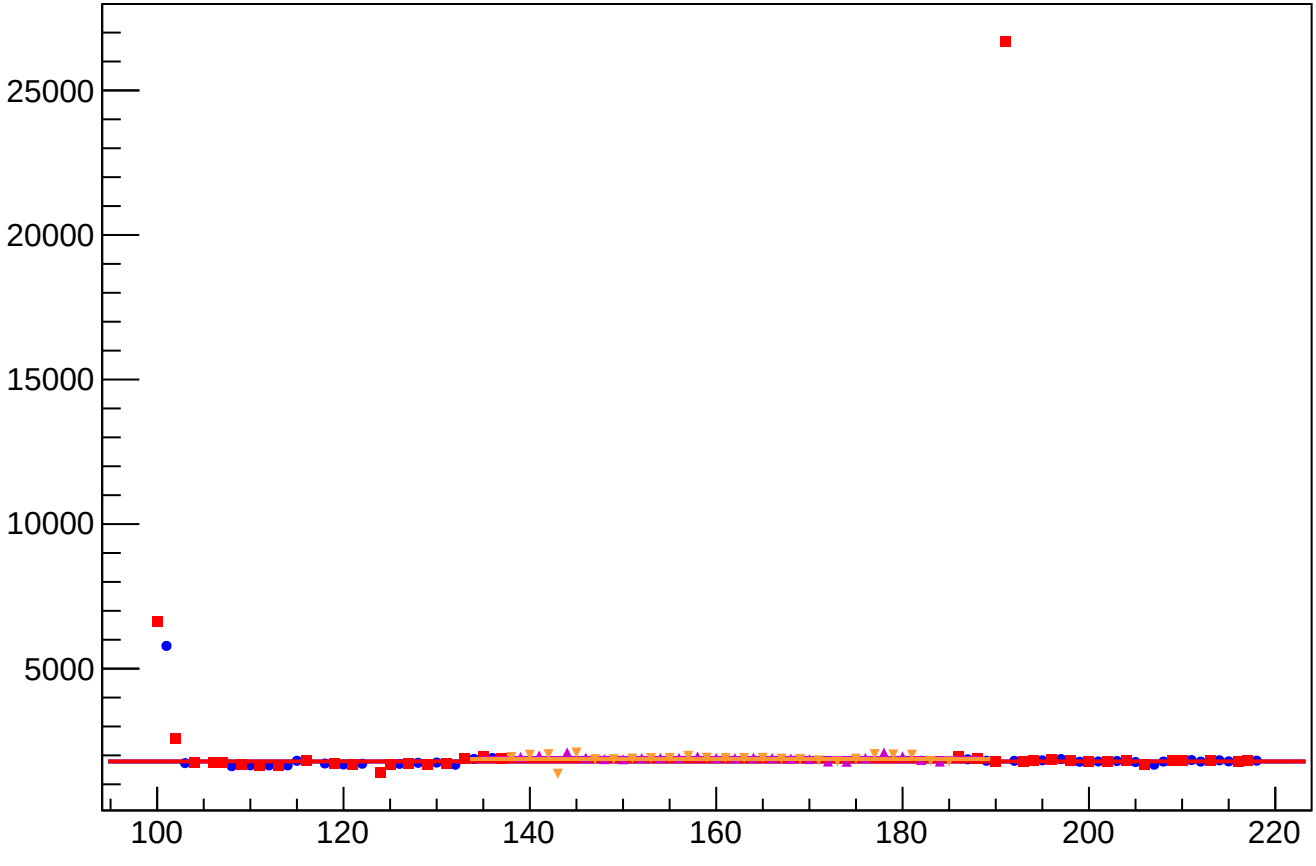
Right: 2132.410+/-283.339 χ^2/NDF: 57.2/67

In: 2234.055+/-298.567 χ^2/NDF:46.2/54

Out: 1877.255+/-292.043 χ^2/NDF:70.6/60

All: 2051.715+/-208.774 χ^2/NDF: 117.6/115

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: 1791.550+/-0.283 χ^2/NDF: 563761.1/35

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

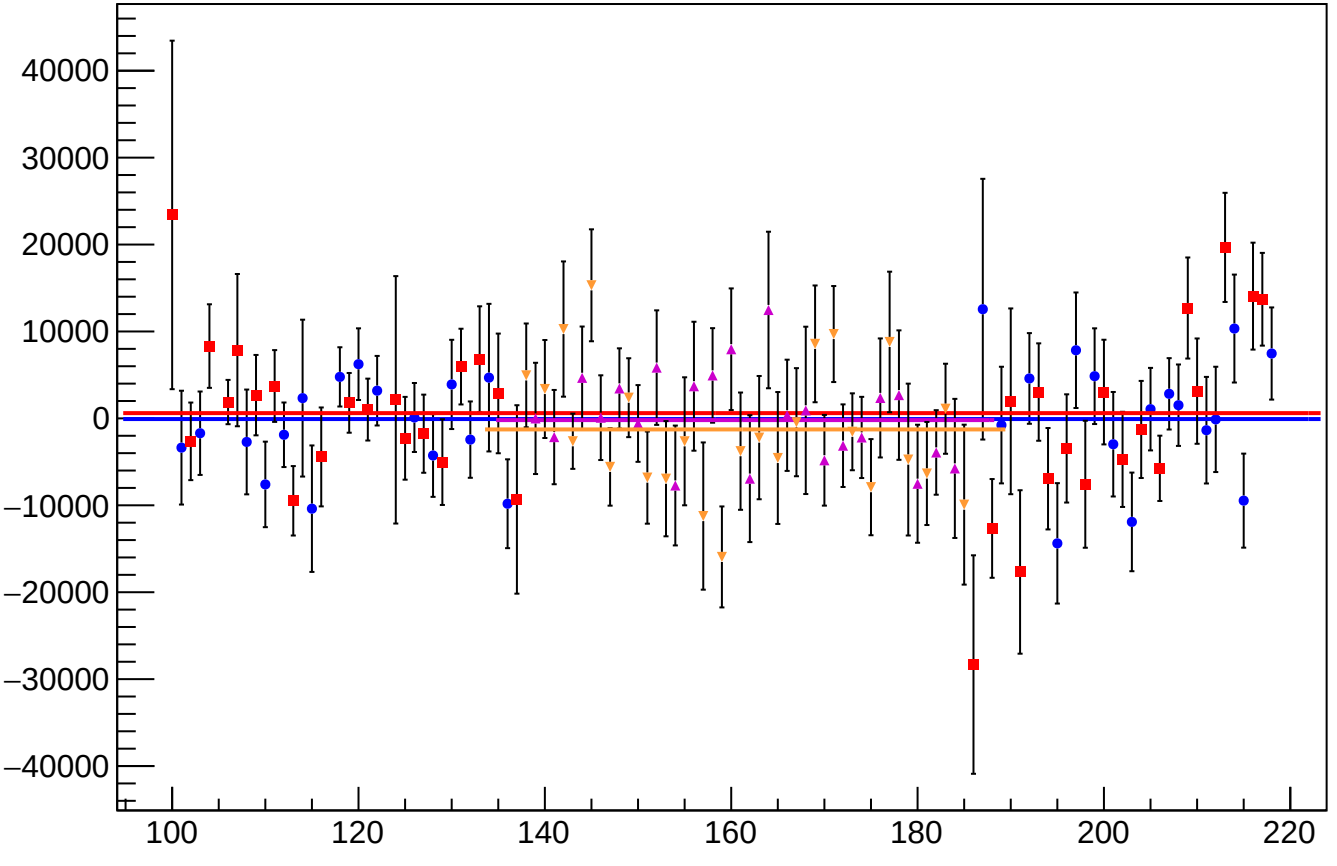
Right: 1789.646+/-0.200 χ^2/NDF: 1249066.1/67

In: 1842.975+/-0.211 χ^2/NDF:829202.4/54

Out: 1829.634+/-0.206 χ^2/NDF:912422.5/60

All: 1836.154+/-0.148 χ^2/NDF: 1743666.7/11

asym_atr1l2_avg_dit_correction_mean vs Slug, Sign Corrected



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: 605.224+/-862.241 χ^2/NDF: 65.6/35

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

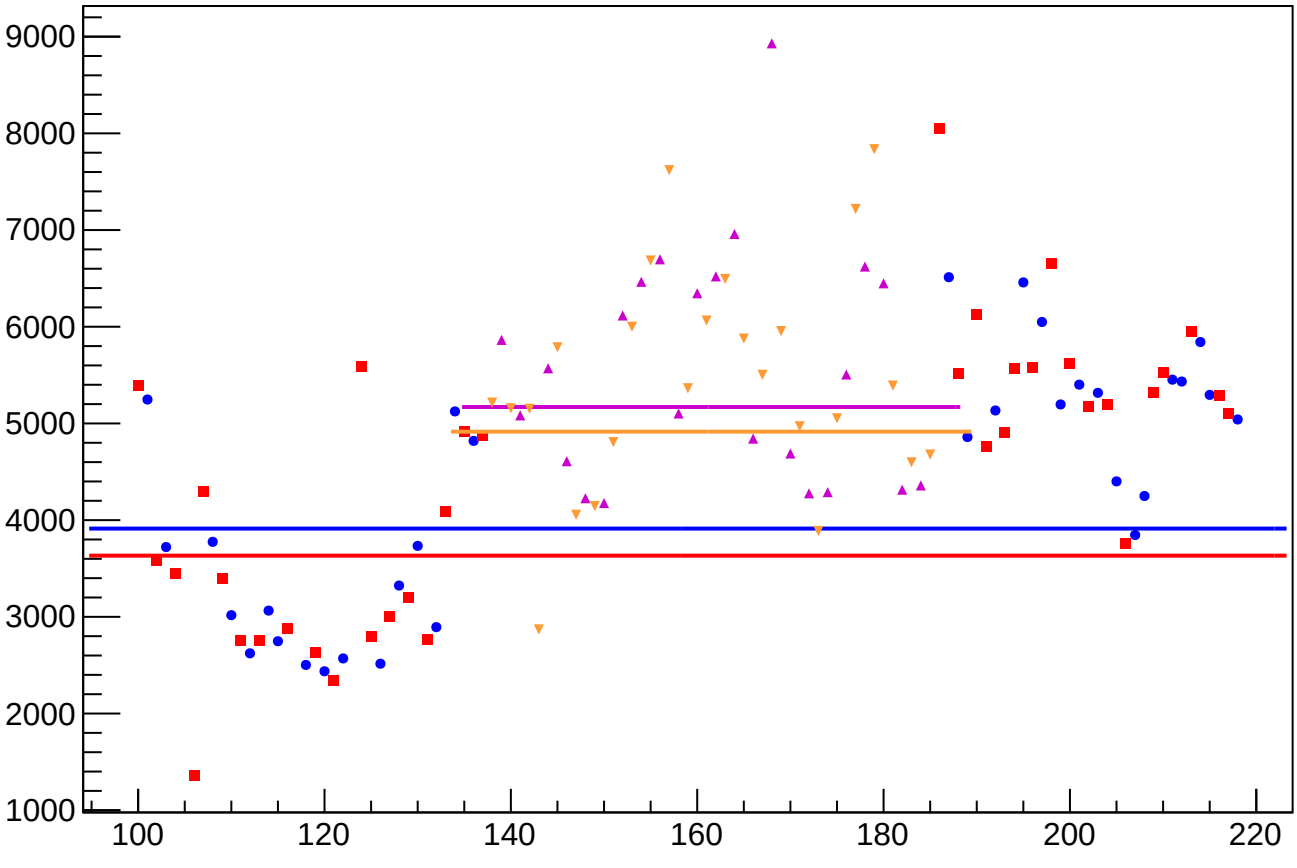
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: 284.668+/-627.623 χ^2/NDF: 102.9/67

In: -119.260+/-735.271 χ^2/NDF:49.8/54

Out: -64.923+/-691.184 χ^2/NDF:100.7/60

All: -90.414+/-503.606 χ^2/NDF: 150.4/115



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: 3632.810+/-0.610 χ^2/NDF: 5554819.2/35

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

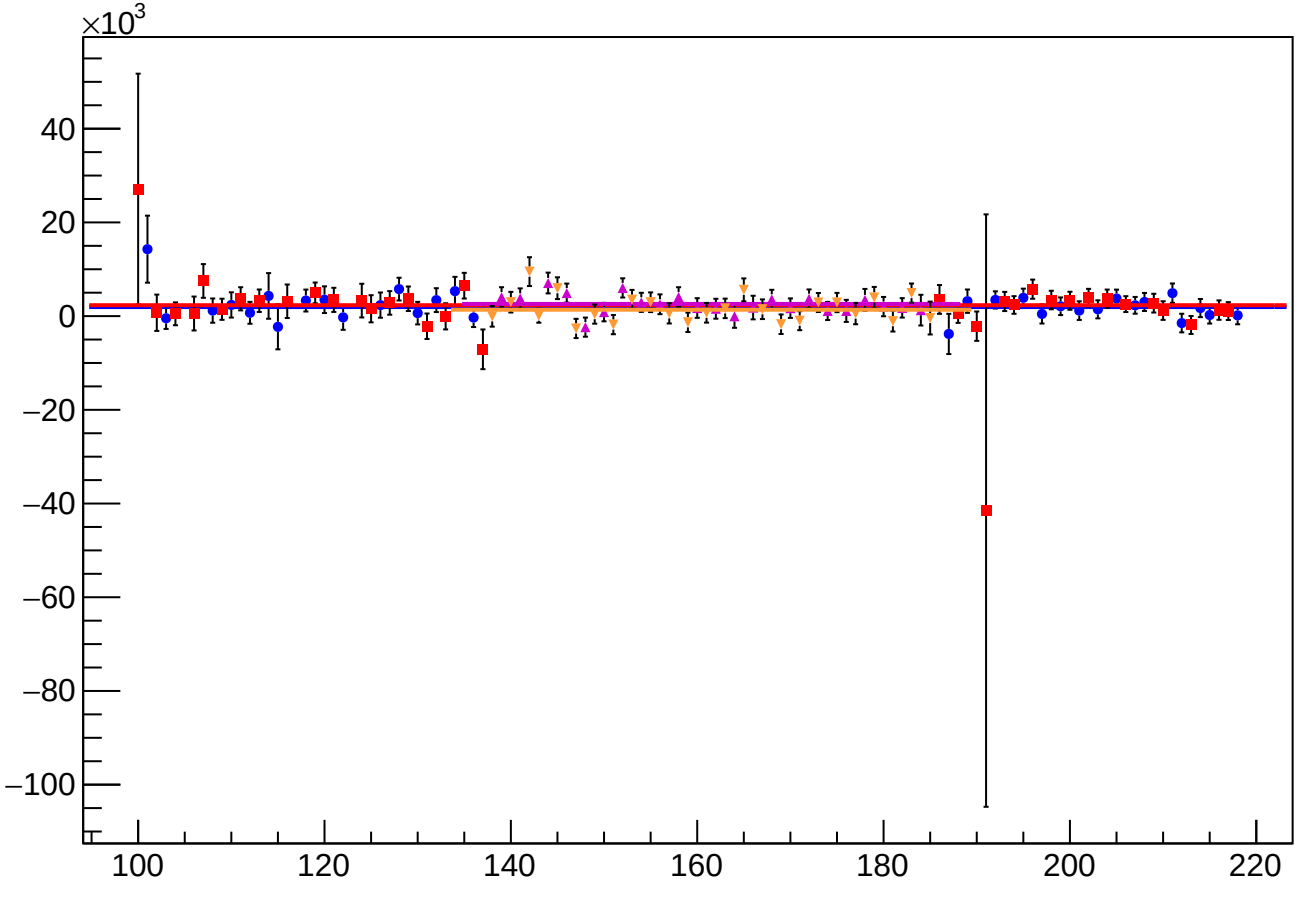
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3764.486+/-0.444 χ^2/NDF: 9172765.3/67

In: 4358.811+/-0.520 χ^2/NDF:6205733.3/54

Out: 4091.172+/-0.489 χ^2/NDF:9302353.3/60

All: 4216.727+/-0.356 χ^2/NDF: 15648765.1/1



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: 2327.140+/-400.040 χ^2/NDF: 31.8/35

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

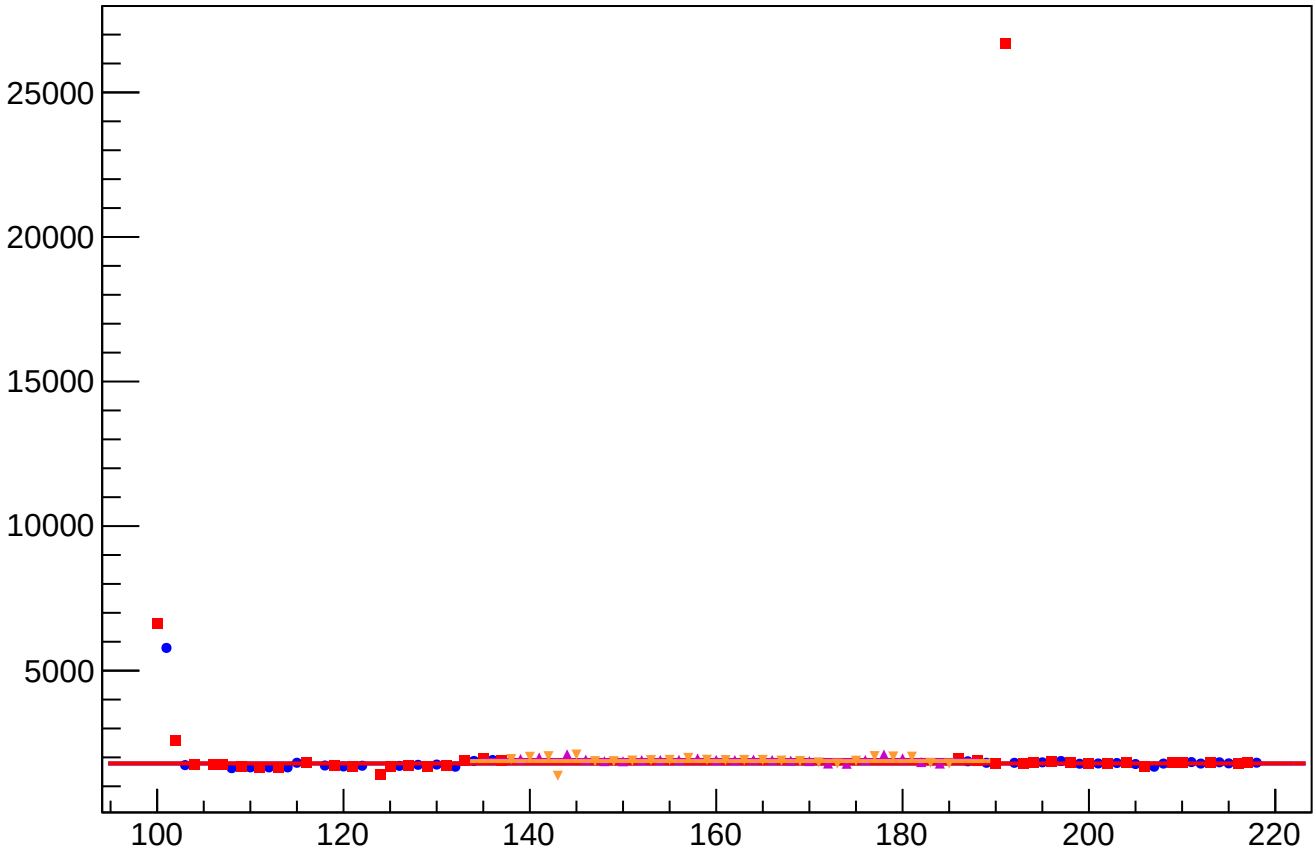
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2132.410+/-283.339 χ^2/NDF: 57.2/67

In: 2234.056+/-298.567 χ^2/NDF:46.2/54

Out: 1877.252+/-292.043 χ^2/NDF:70.6/60

All: 2051.714+/-208.774 χ^2/NDF: 117.6/115



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: 1791.550+/-0.283 χ^2/NDF: 563761.2/35

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

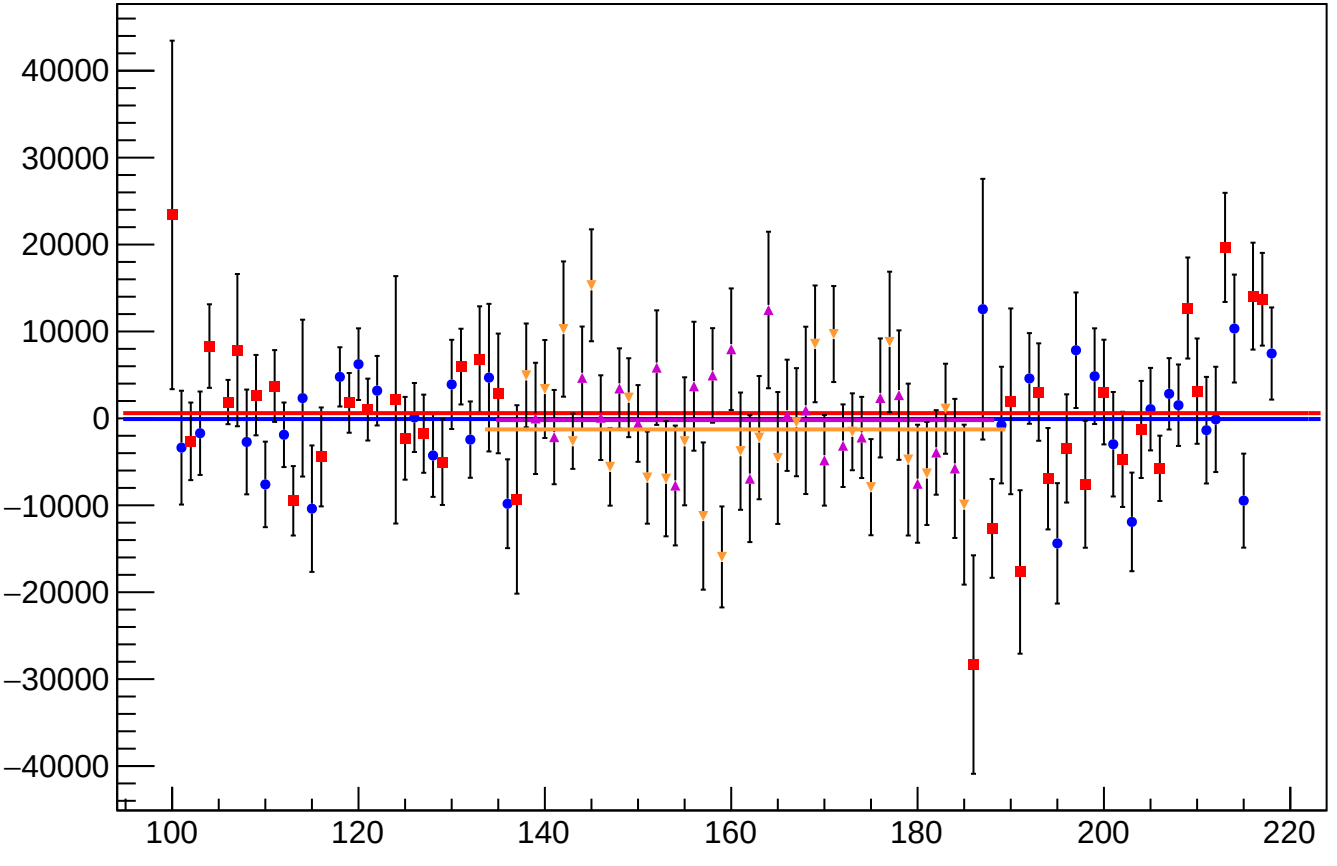
Right: 1789.645+/-0.200 χ^2/NDF: 1249066.2/67

In: 1842.976+/-0.211 χ^2/NDF:829206.1/54

Out: 1829.634+/-0.206 χ^2/NDF:912427.1/60

All: 1836.154+/-0.148 χ^2/NDF: 1743675.0/11

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: 605.227+/-862.239 χ^2/NDF: 65.6/35

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

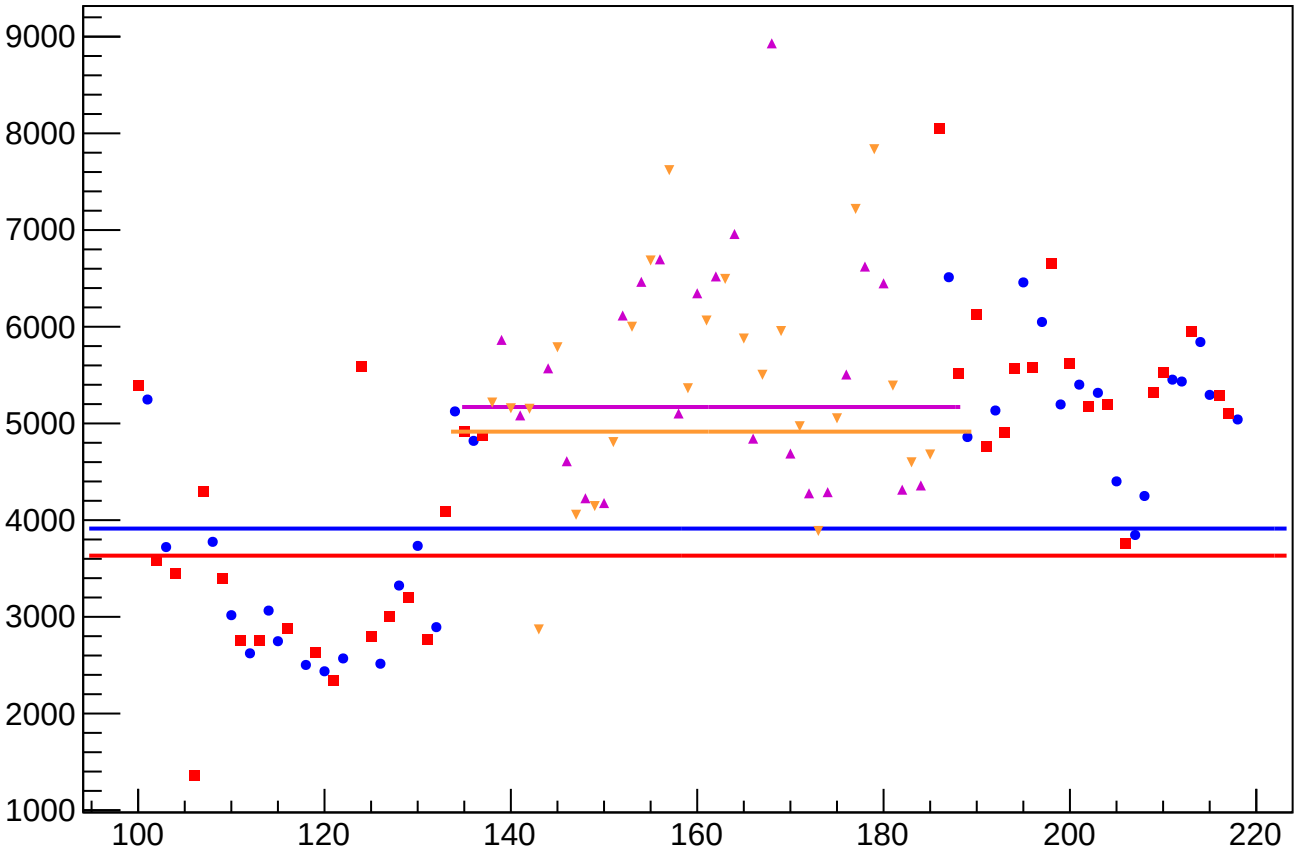
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: 284.671+/-627.622 χ^2/NDF: 102.9/67

In: -119.258+/-735.271 χ^2/NDF:49.8/54

Out: -64.921+/-691.184 χ^2/NDF:100.7/60

All: -90.412+/-503.606 χ^2/NDF: 150.4/115



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: 3632.799+/-0.610 χ^2/NDF: 5554899.4/35

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

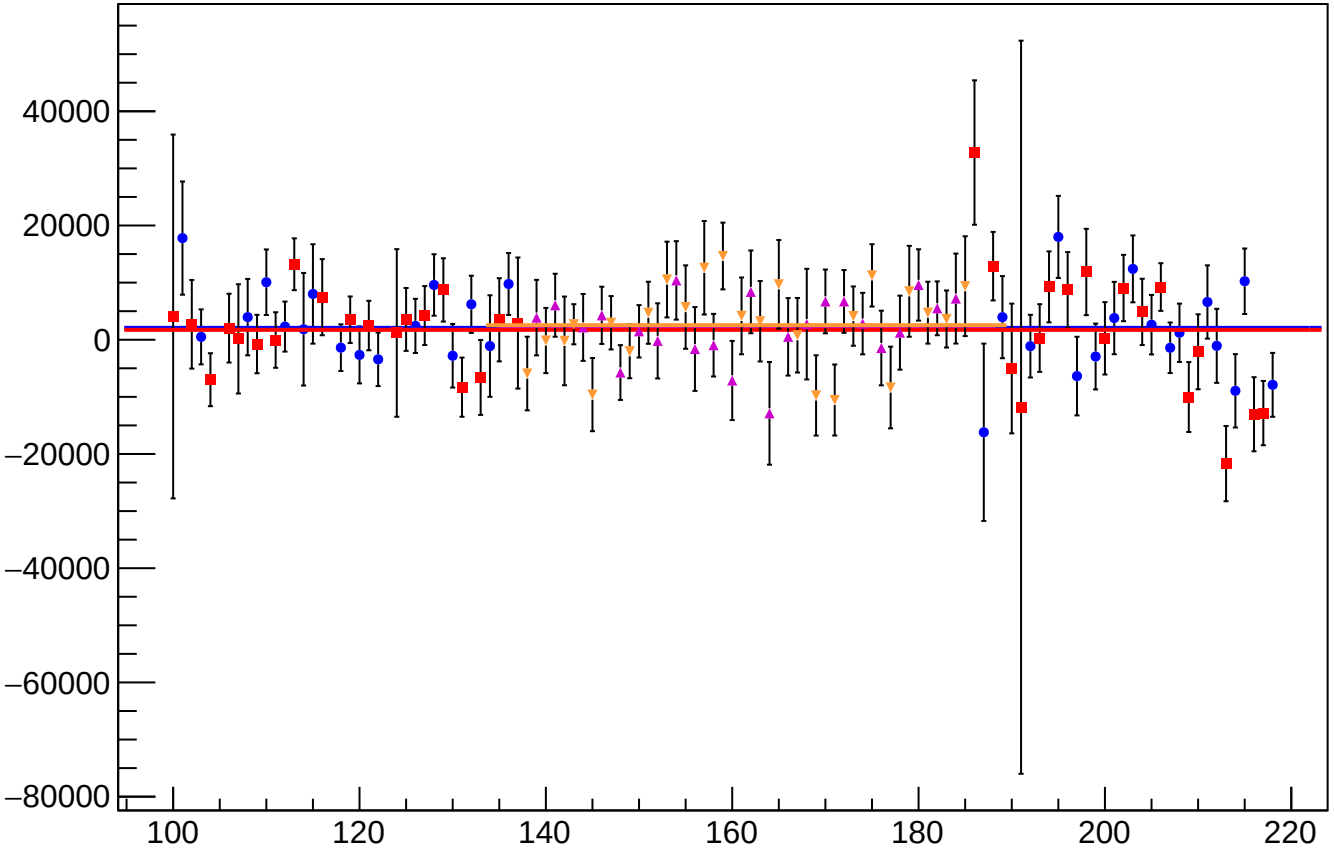
Right: 3764.477+/-0.444 χ^2/NDF: 9172908.6/67

In: 4358.808+/-0.520 χ^2/NDF:6205822.2/54

Out: 4091.165+/-0.489 χ^2/NDF:9302483.4/60

All: 4216.722+/-0.356 χ^2/NDF: 15648988.6/1

asym_atr1l2_avg_mean vs Slug, Sign Corrected



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: 1738.827+/-1015.682 χ^2/NDF: 66.8/35

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

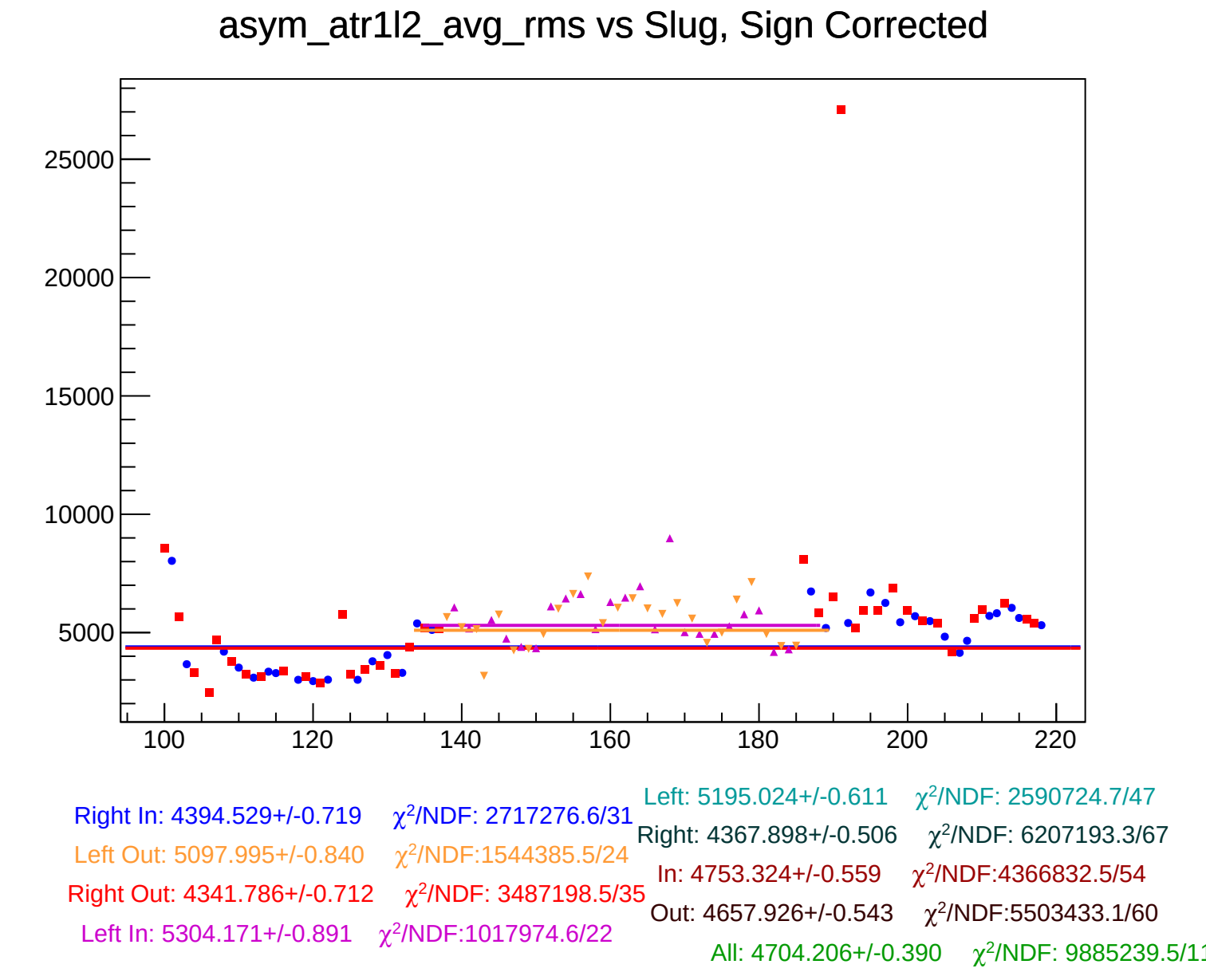
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

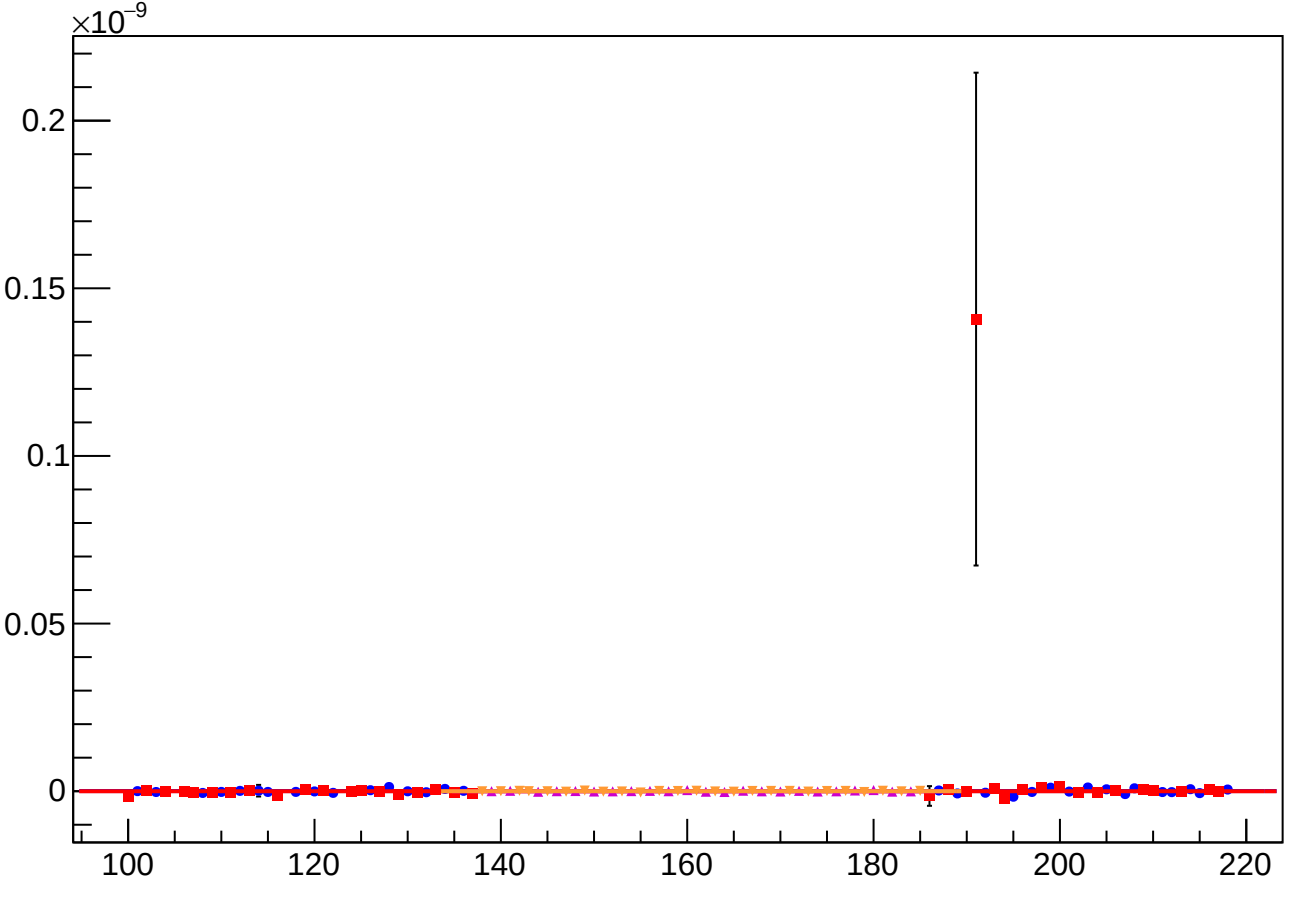
Right: 1910.048+/-718.527 χ^2/NDF: 102.2/67

In: 2216.258+/-791.114 χ^2/NDF:50.4/54

Out: 2080.242+/-771.908 χ^2/NDF:96.1/60

All: 2146.579+/-552.486 χ^2/NDF: 146.5/115


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: 4341.786+/-0.712 χ²/NDF: 3487198.5/35
Left In: 5304.171+/-0.891 χ²/NDF:1017974.6/22
Left: 5195.024+/-0.611 χ²/NDF: 2590724.7/47
Right: 4367.898+/-0.506 χ²/NDF: 6207193.3/67
In: 4753.324+/-0.559 χ²/NDF:4366832.5/54
Out: 4657.926+/-0.543 χ²/NDF:5503433.1/60
All: 4704.206+/-0.390 χ²/NDF: 9885239.5/11



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: 41.7/35

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

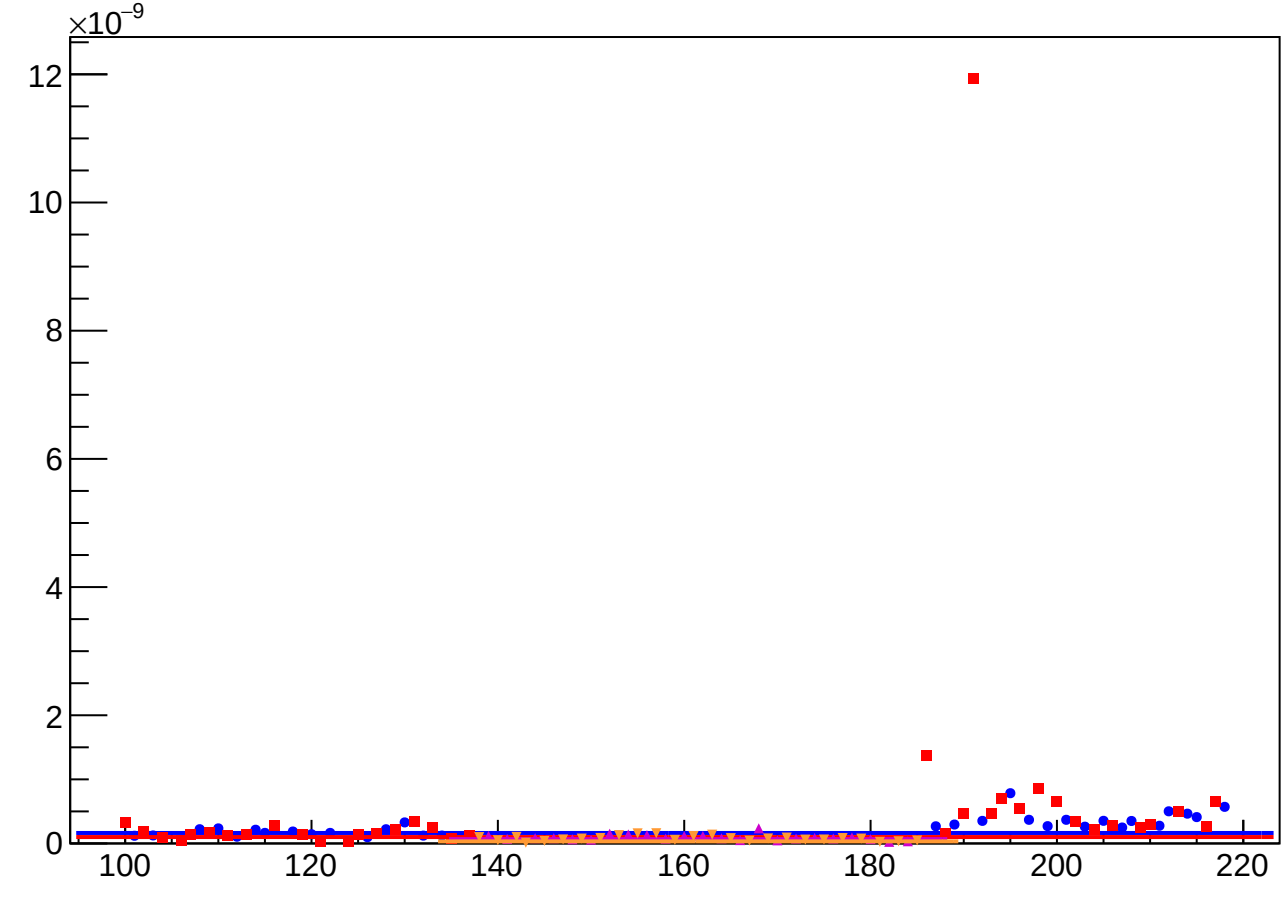
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

Right: 0.000+/-0.000 χ^2/NDF: 80.9/67

In: 0.000+/-0.000 χ^2/NDF:62.1/54

Out: 0.000+/-0.000 χ^2/NDF:57.0/60

All: 0.000+/-0.000 χ^2/NDF: 119.1/115



Right In: 0.000+/-0.000 χ^2/NDF: 4680963.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8992303.3/35

Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

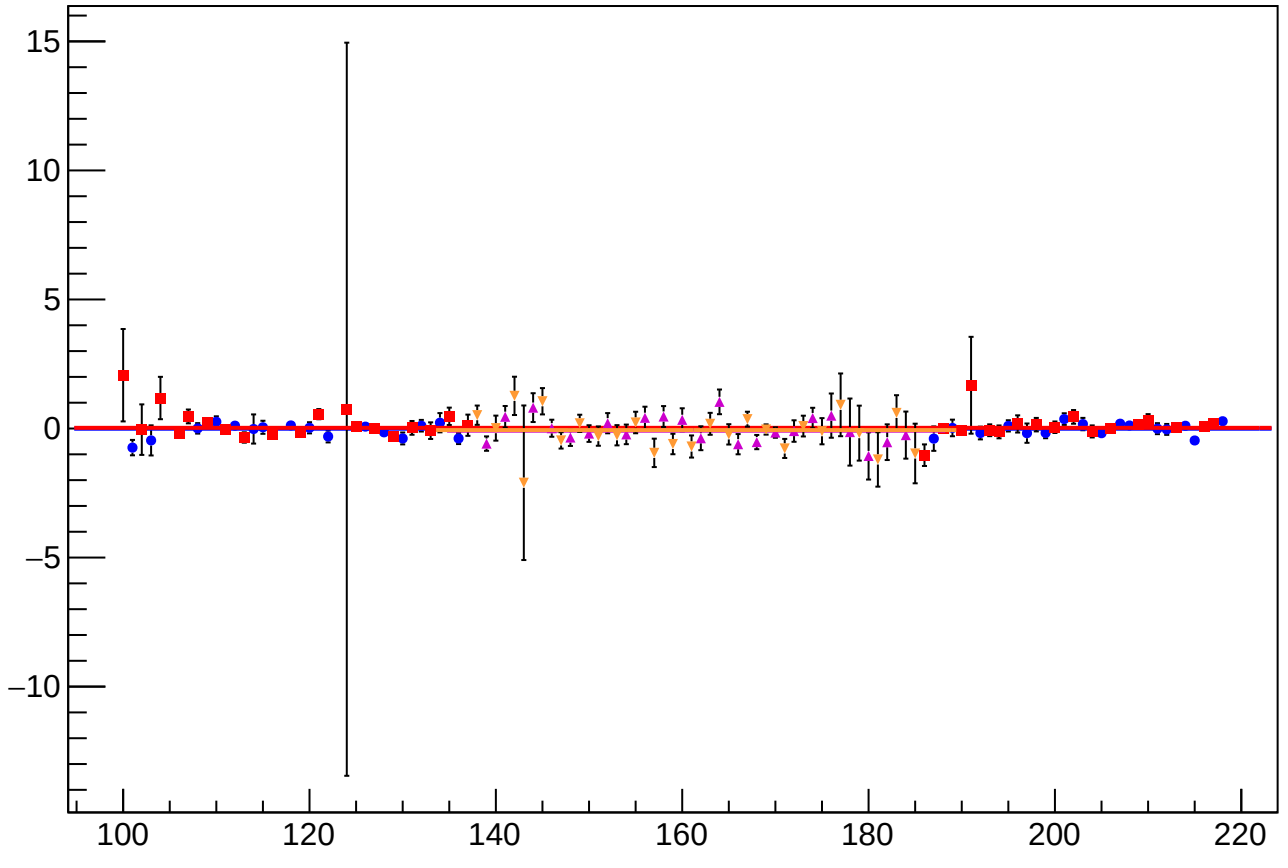
Left: 0.000+/-0.000 χ^2/NDF: 10780036.3/47

Right: 0.000+/-0.000 χ^2/NDF: 14856398.7/67

In: 0.000+/-0.000 χ^2/NDF:10701302.3/54

Out: 0.000+/-0.000 χ^2/NDF:18355965.8/60

All: 0.000+/-0.000 χ^2/NDF: 32924255.2/115



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: 0.026+/-0.034 χ^2/NDF: 44.6/35

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

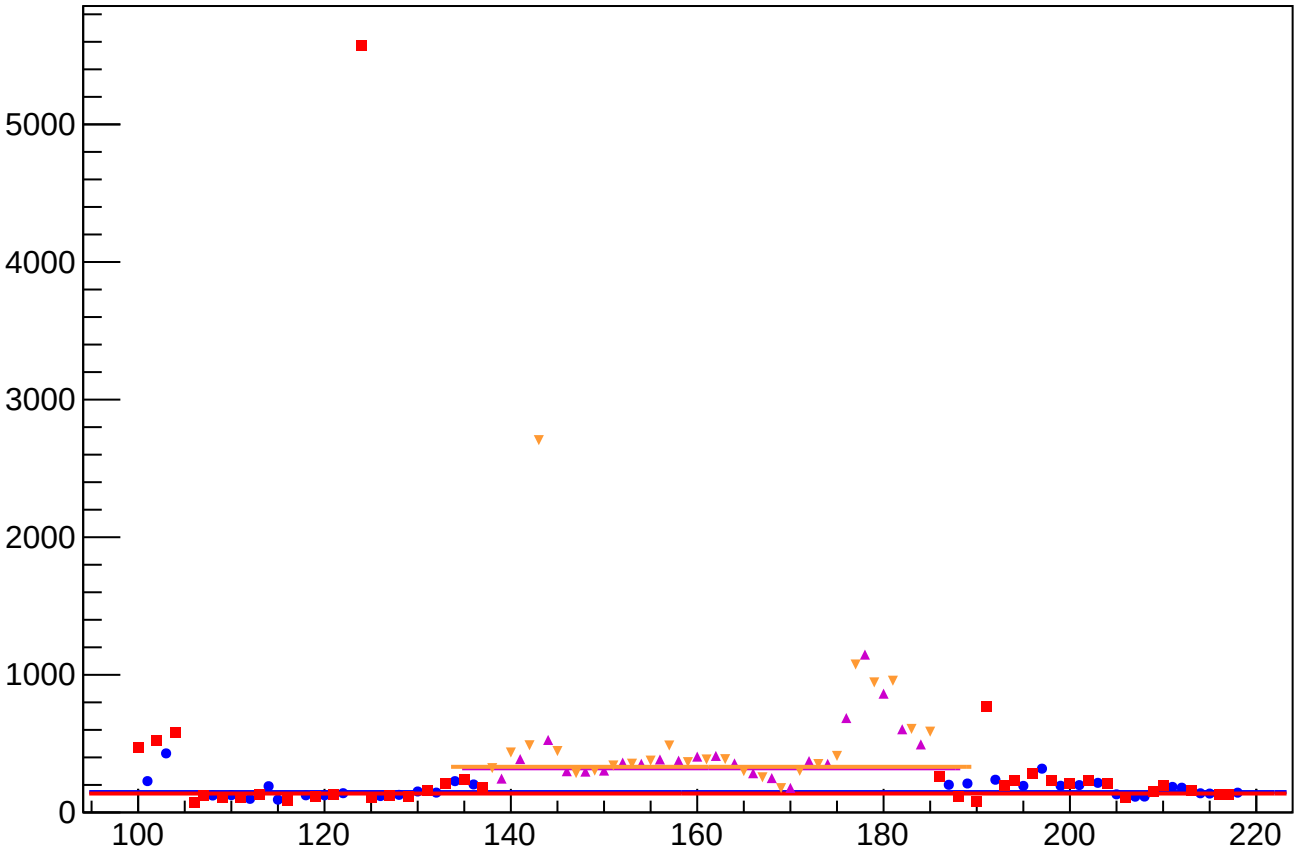
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: 0.010+/-0.025 χ^2/NDF: 87.2/67

In: -0.020+/-0.033 χ^2/NDF:69.9/54

Out: 0.014+/-0.032 χ^2/NDF:76.3/60

All: -0.003+/-0.023 χ^2/NDF: 146.7/115



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: 137.484+/-0.024 χ^2/NDF: 5110509.7/35

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

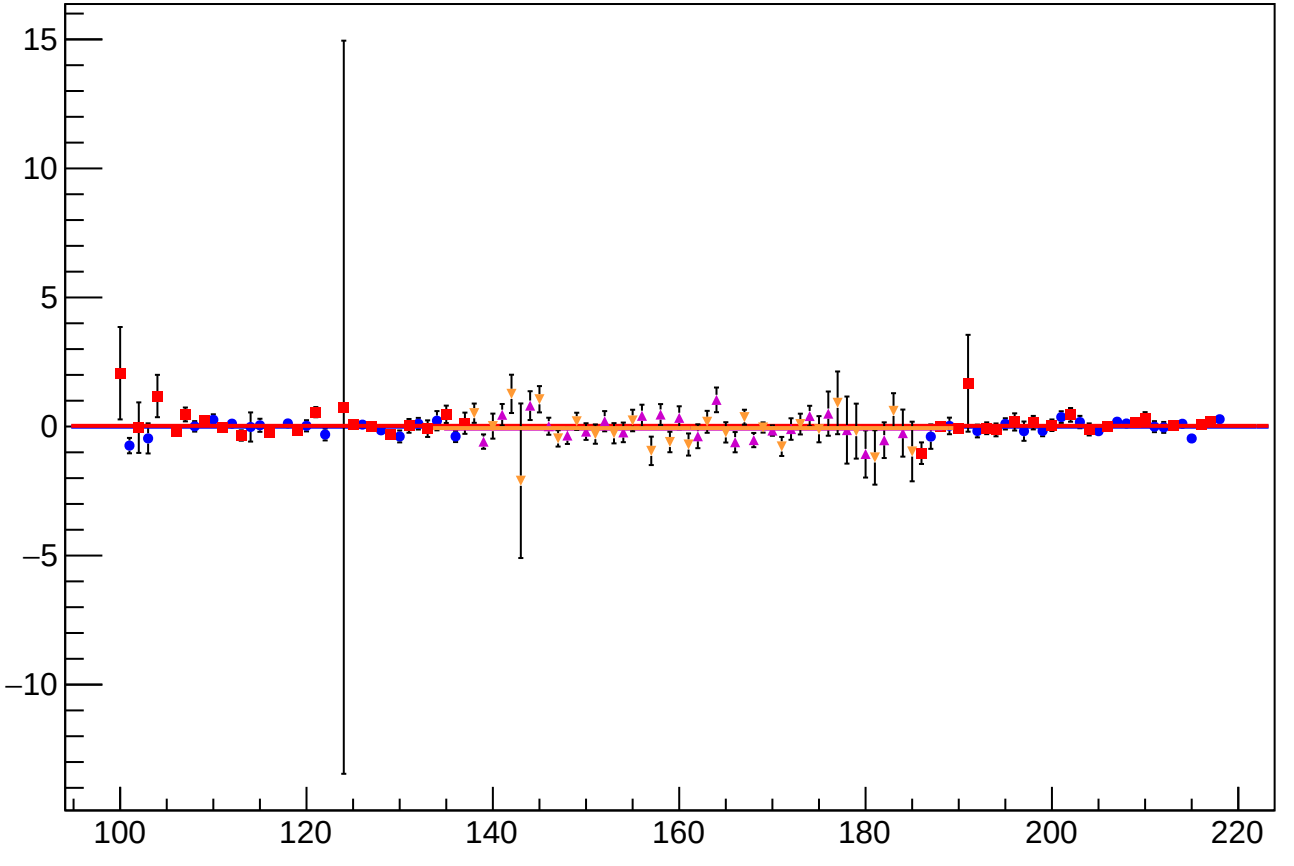
Right: 142.608+/-0.018 χ^2/NDF: 8176141.7/67

In: 176.525+/-0.023 χ^2/NDF:14776493.2/54

Out: 165.368+/-0.022 χ^2/NDF:20167595.9/60

All: 170.749+/-0.016 χ^2/NDF: 35063460.1/11

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: 0.026+/-0.034 χ^2/NDF: 44.6/35

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

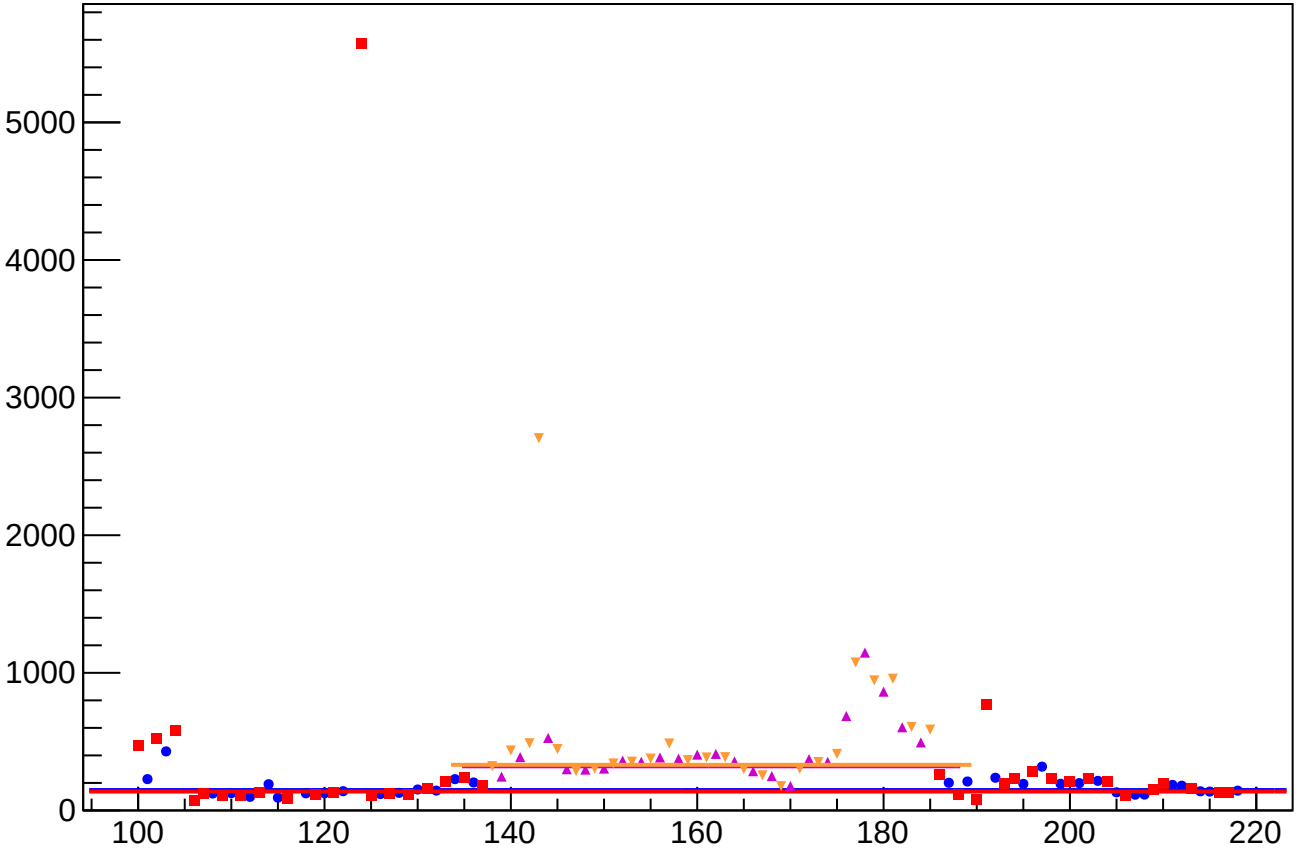
Right: 0.010+/-0.025 χ^2/NDF: 87.2/67

In: -0.020+/-0.033 χ^2/NDF:69.9/54

Out: 0.014+/-0.032 χ^2/NDF:76.3/60

All: -0.003+/-0.023 χ^2/NDF: 146.7/115

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: 137.484+/-0.024 χ^2/NDF: 5110509.7/35

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

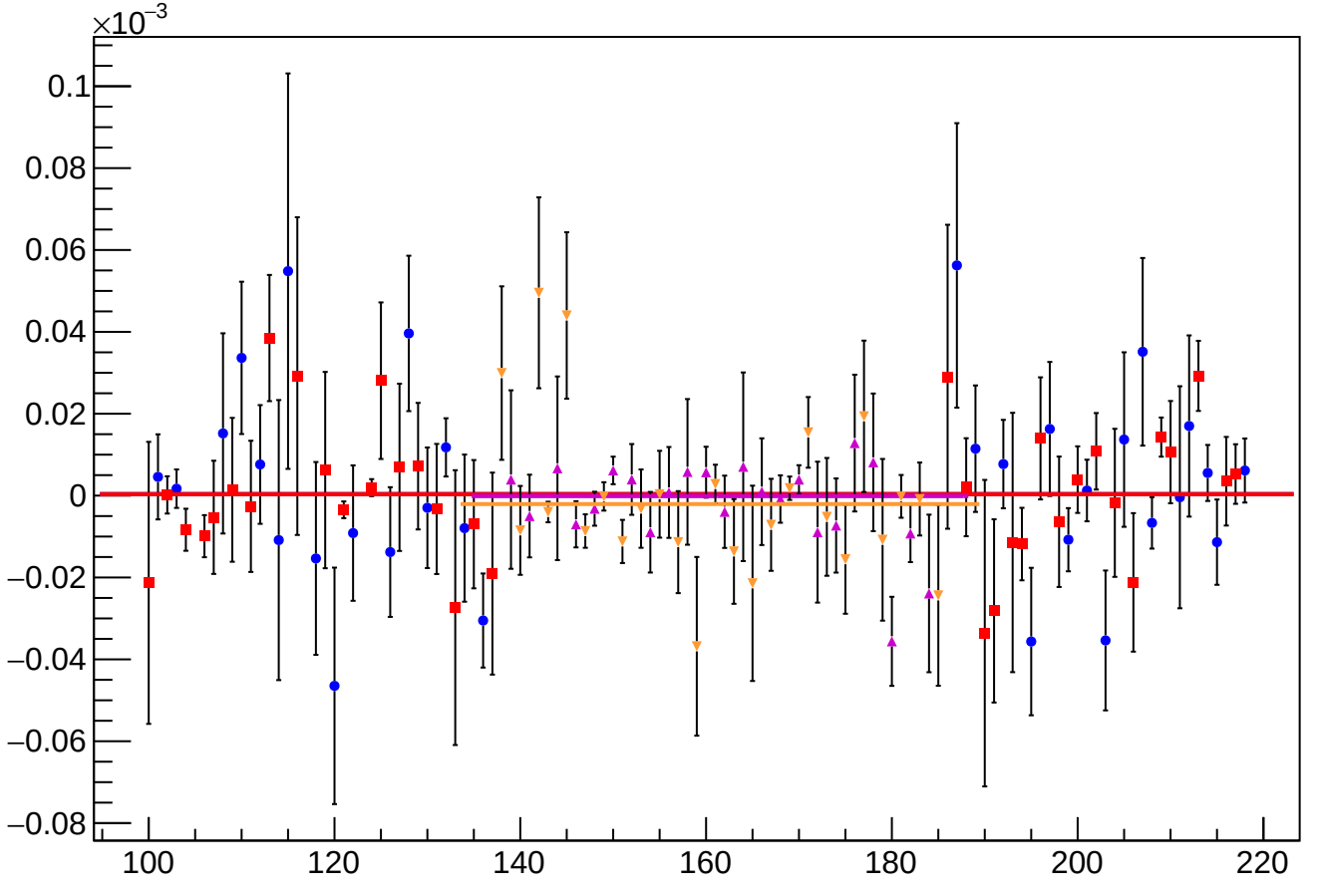
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 142.608+/-0.018 χ^2/NDF: 8176141.7/67

In: 176.525+/-0.023 χ^2/NDF:14776493.2/54

Out: 165.368+/-0.022 χ^2/NDF:20167595.9/60

All: 170.749+/-0.016 χ^2/NDF: 35063460.1/11



Right In: 0.000+/-0.000 χ^2/NDF: 45.9/31

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 52.5/35

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

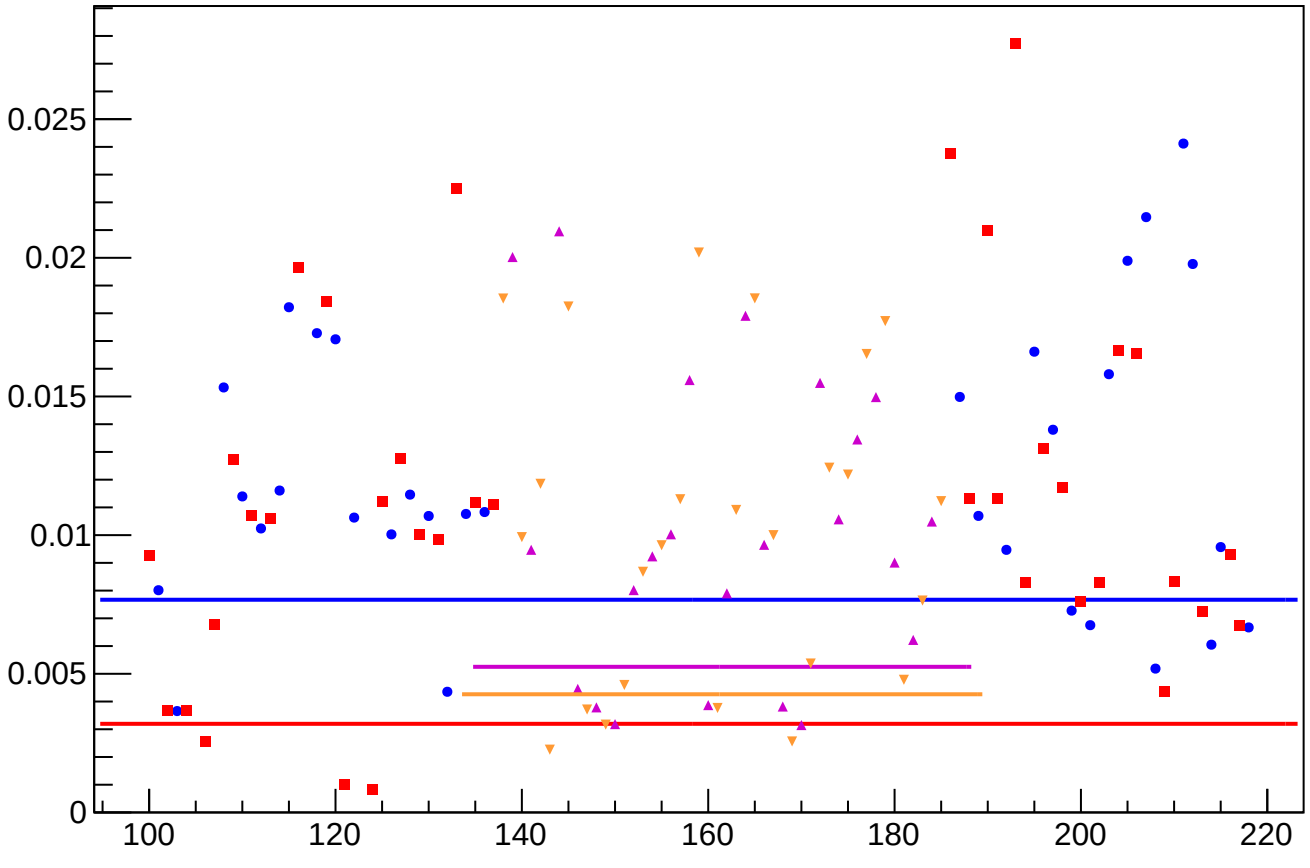
Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

Right: 0.000+/-0.000 χ^2/NDF: 98.4/67

In: 0.000+/-0.000 χ^2/NDF:70.8/54

Out: -0.000+/-0.000 χ^2/NDF:89.4/60

All: -0.000+/-0.000 χ^2/NDF: 160.5/115



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: 21854078.4/35

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

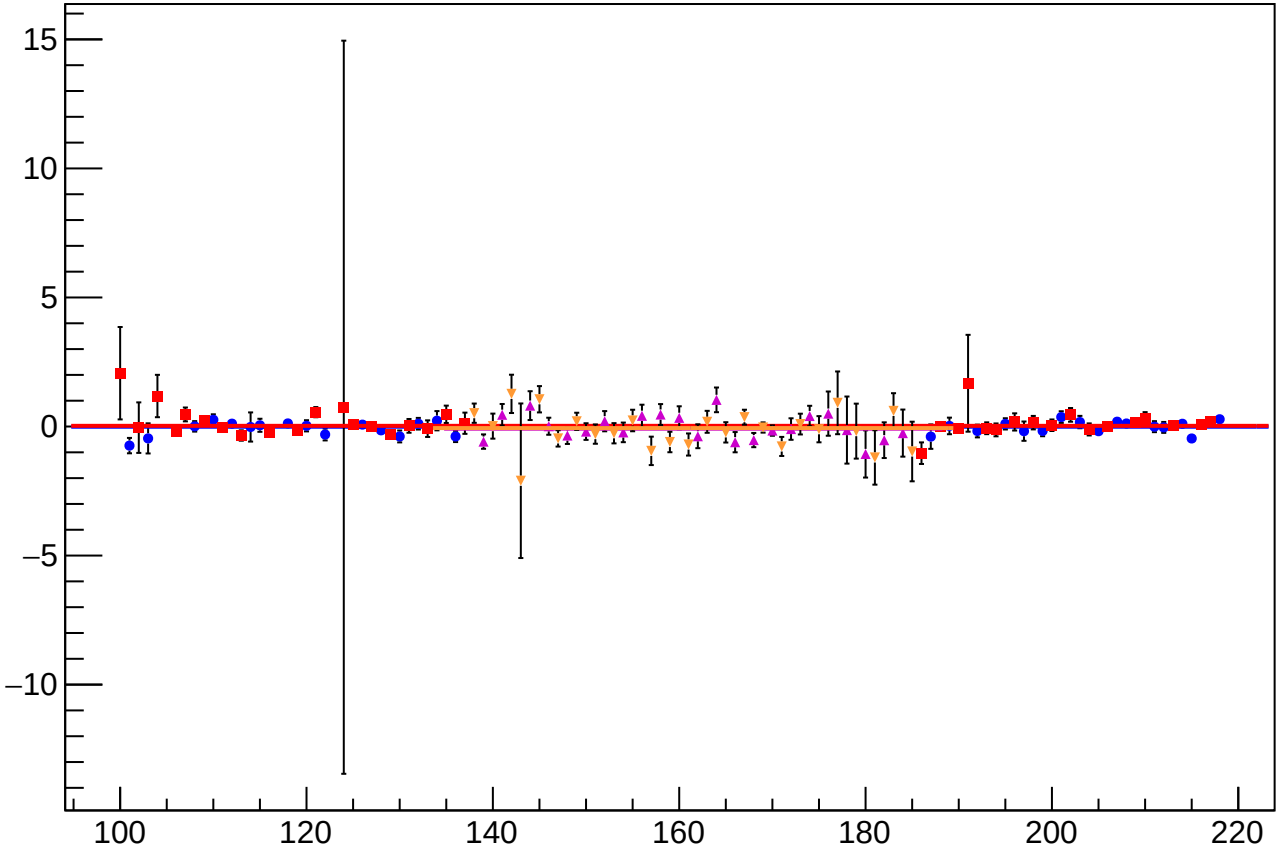
Right: 0.004+/-0.000 χ^2/NDF: 37601818.4/67

In: 0.006+/-0.000 χ^2/NDF:19501562.3/54

Out: 0.004+/-0.000 χ^2/NDF:35629249.7/60

All: 0.004+/-0.000 χ^2/NDF: 60765681.0/115

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: 0.026+/-0.034 χ^2/NDF: 44.6/35

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

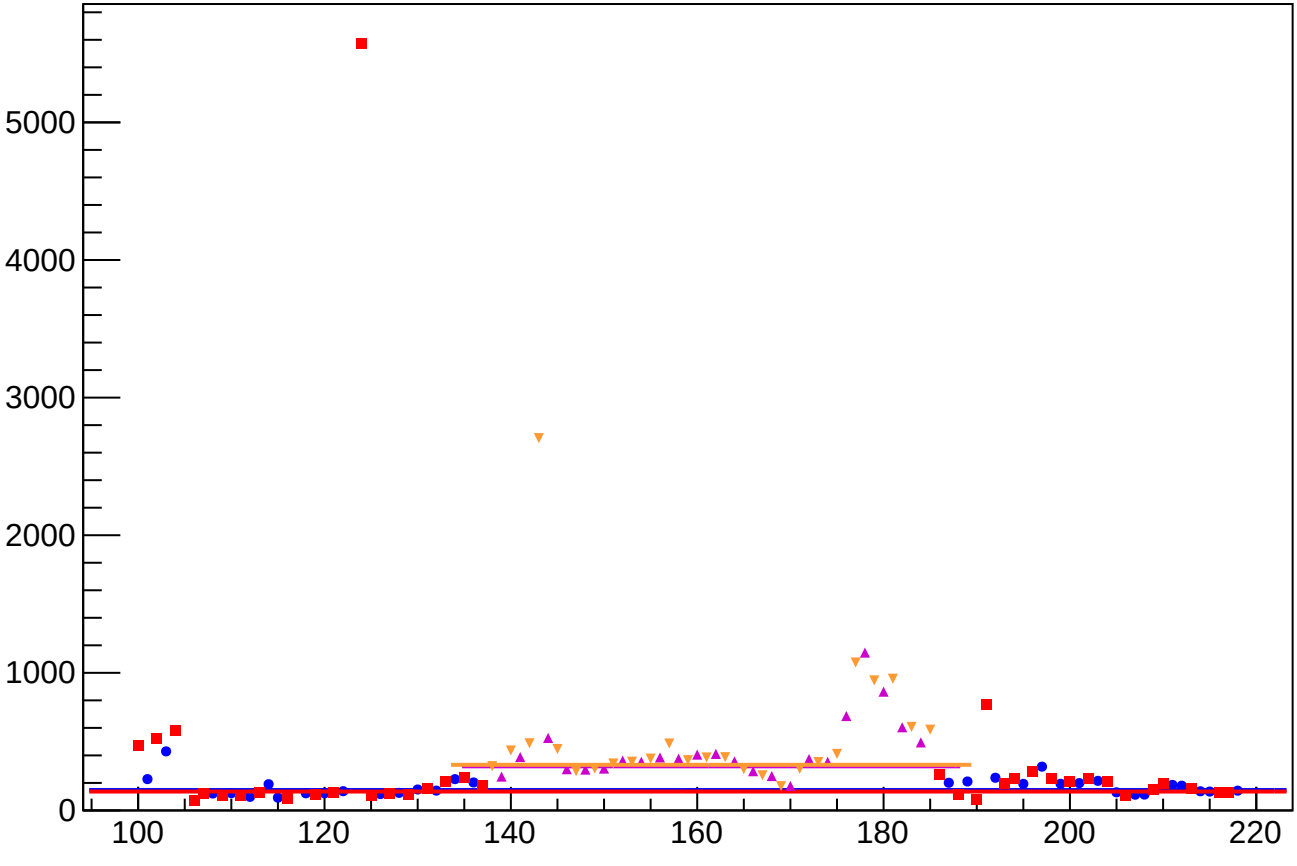
Right: 0.010+/-0.025 χ^2/NDF: 87.2/67

In: -0.020+/-0.033 χ^2/NDF:69.9/54

Out: 0.014+/-0.032 χ^2/NDF:76.3/60

All: -0.003+/-0.023 χ^2/NDF: 146.7/115

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: 137.483+/-0.024 χ^2/NDF: 5110531.9/35

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

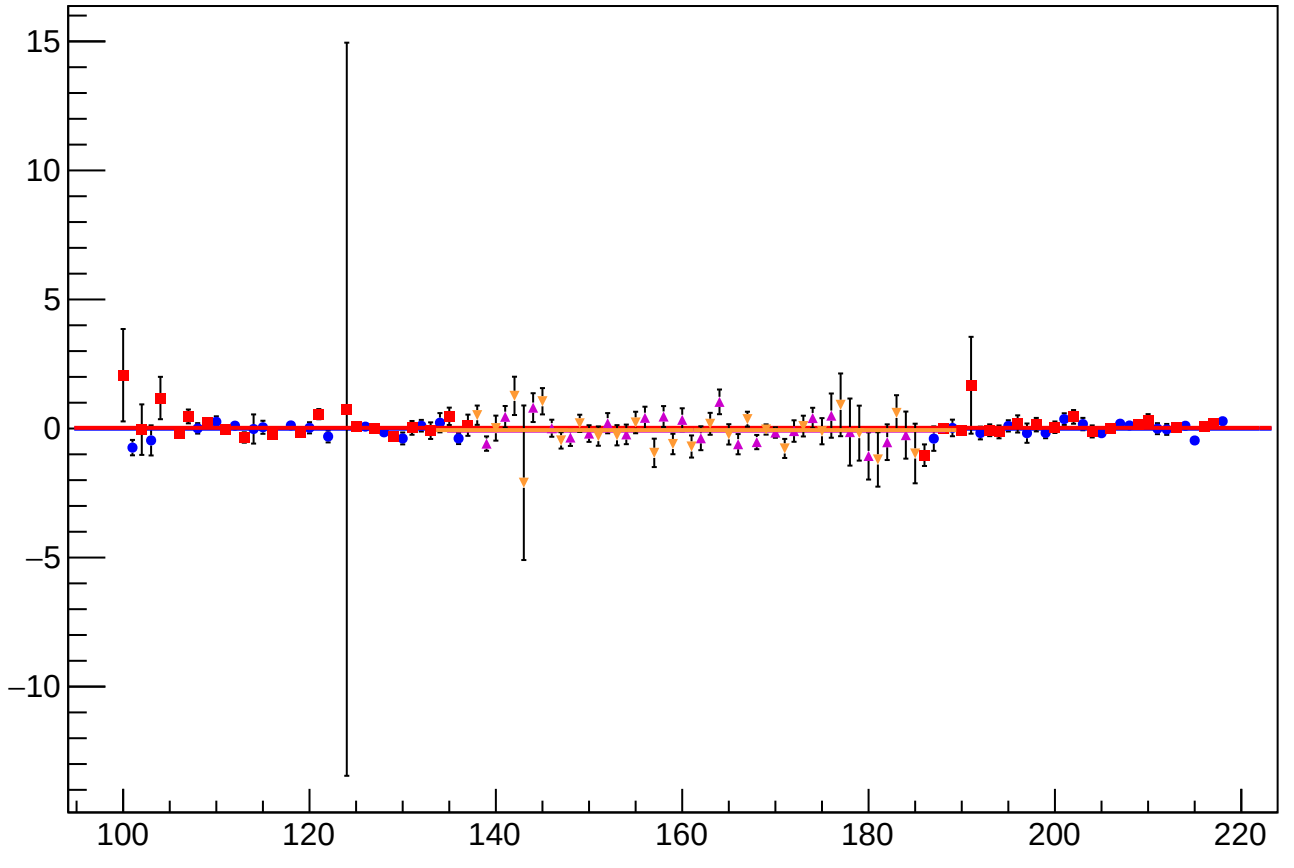
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

Right: 142.607+/-0.018 χ^2/NDF: 8176158.7/67

In: 176.525+/-0.023 χ^2/NDF:14776598.1/54

Out: 165.367+/-0.022 χ^2/NDF:20167823.7/60

All: 170.749+/-0.016 χ^2/NDF: 35063811.9/11



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: 0.026+/-0.034 χ^2/NDF: 44.6/35

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

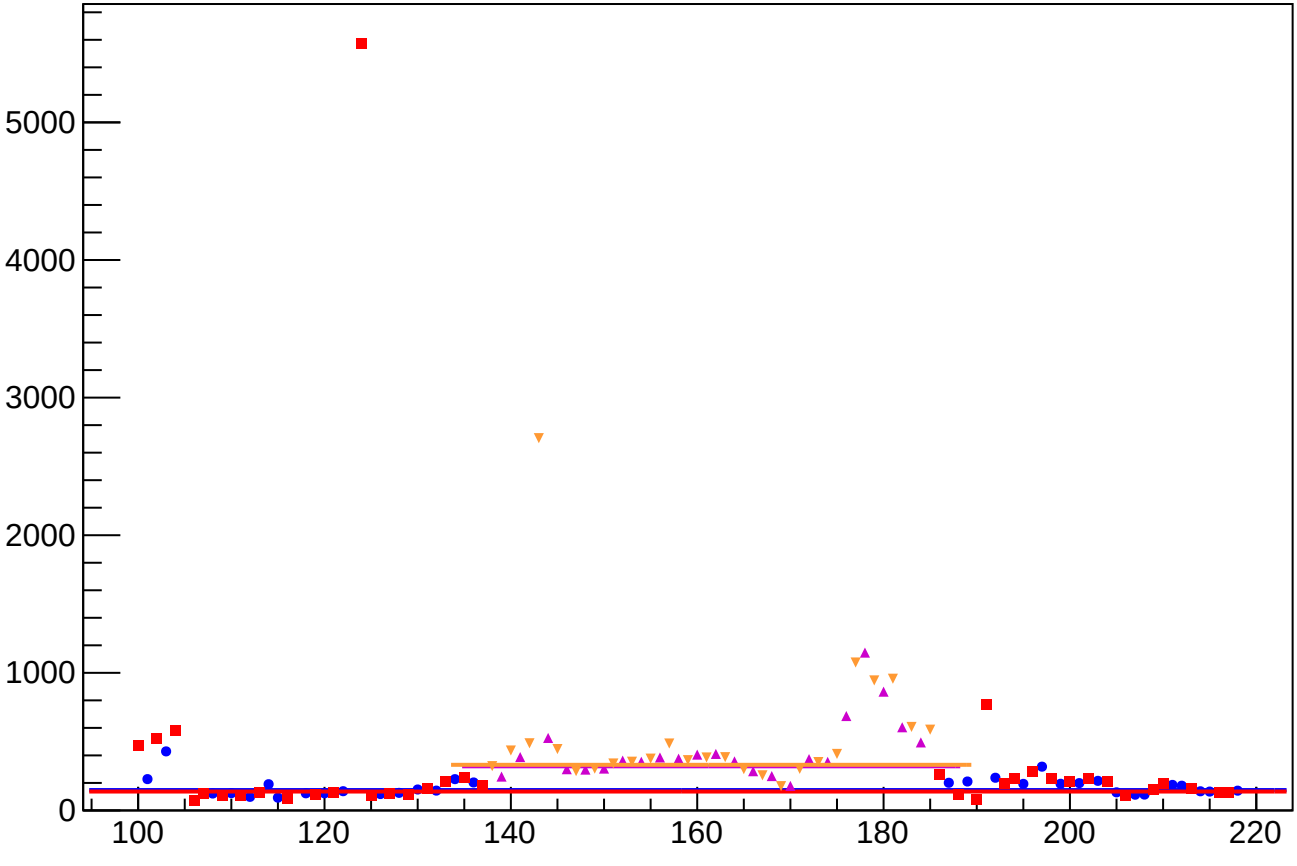
Right: 0.010+/-0.025 χ^2/NDF: 87.2/67

In: -0.020+/-0.033 χ^2/NDF:69.9/54

Out: 0.014+/-0.032 χ^2/NDF:76.3/60

All: -0.003+/-0.023 χ^2/NDF: 146.7/115

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: 137.483+/-0.024 χ^2/NDF: 5110531.9/35

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

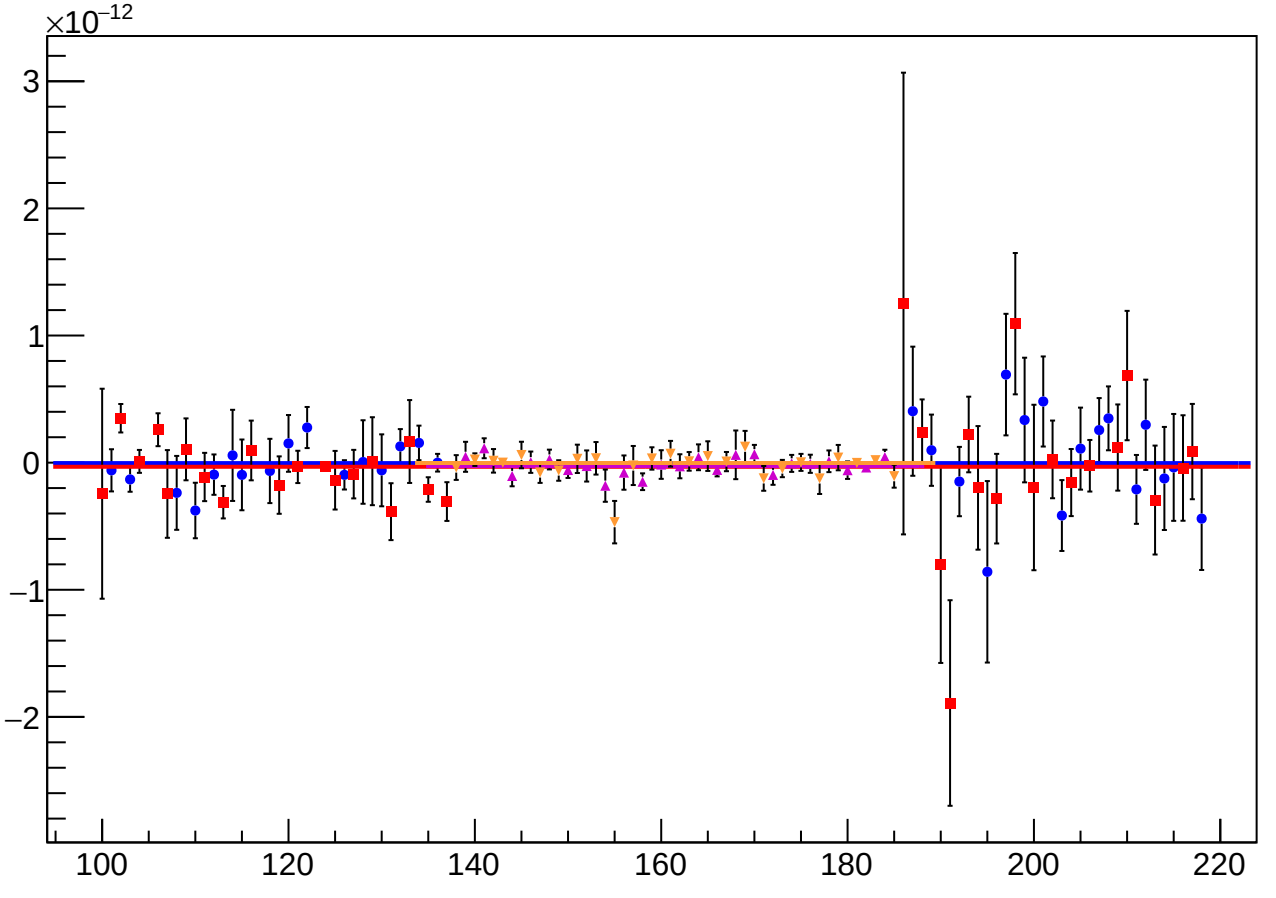
Right: 142.607+/-0.018 χ^2/NDF: 8176158.7/67

In: 176.525+/-0.023 χ^2/NDF:14776598.1/54

Out: 165.367+/-0.022 χ^2/NDF:20167823.7/60

All: 170.749+/-0.016 χ^2/NDF: 35063811.9/11

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/31

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 49.5/35

Left In: -0.000+/-0.000 χ^2/NDF:16.1/22

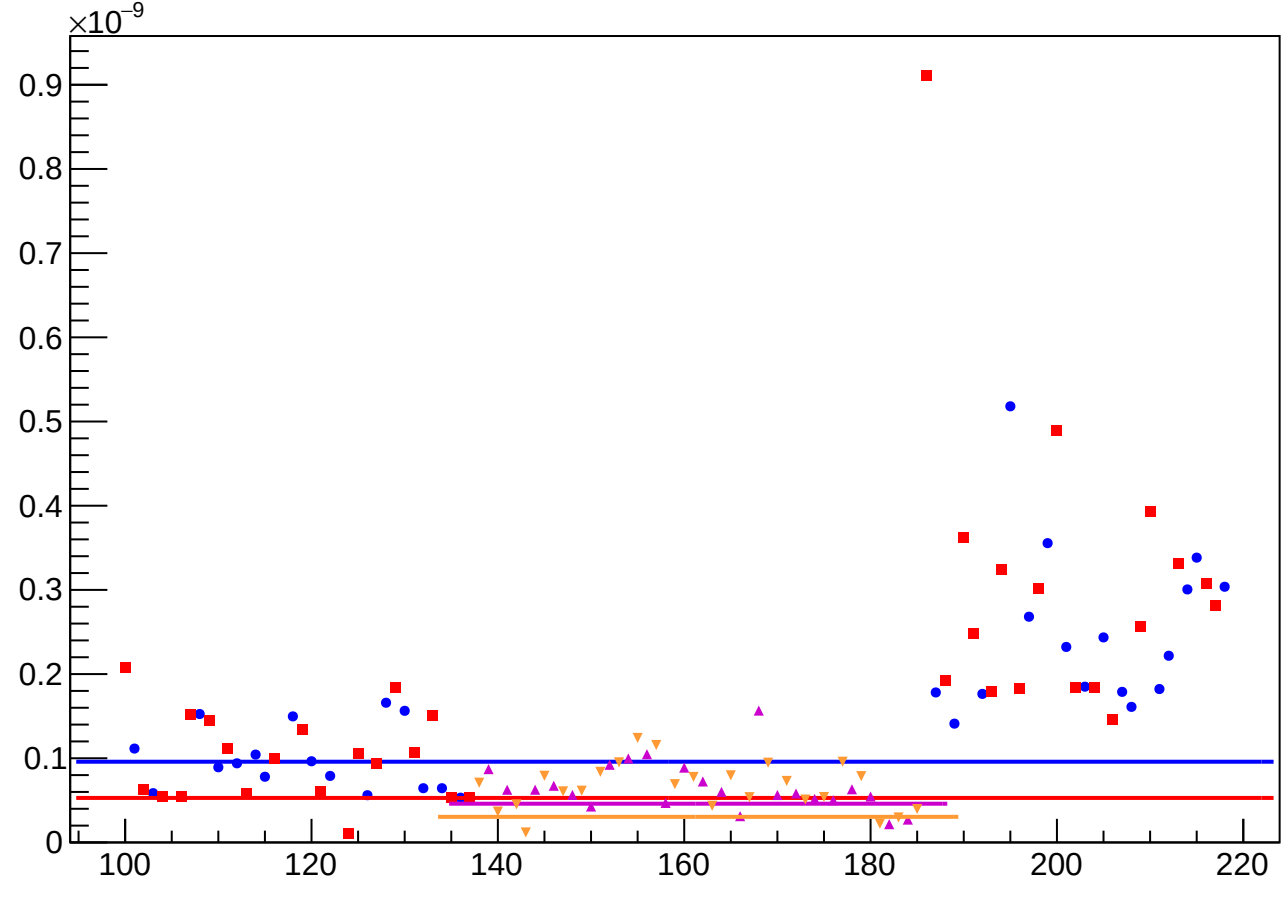
Left: -0.000+/-0.000 χ^2/NDF: 34.9/47

Right: -0.000+/-0.000 χ^2/NDF: 77.3/67

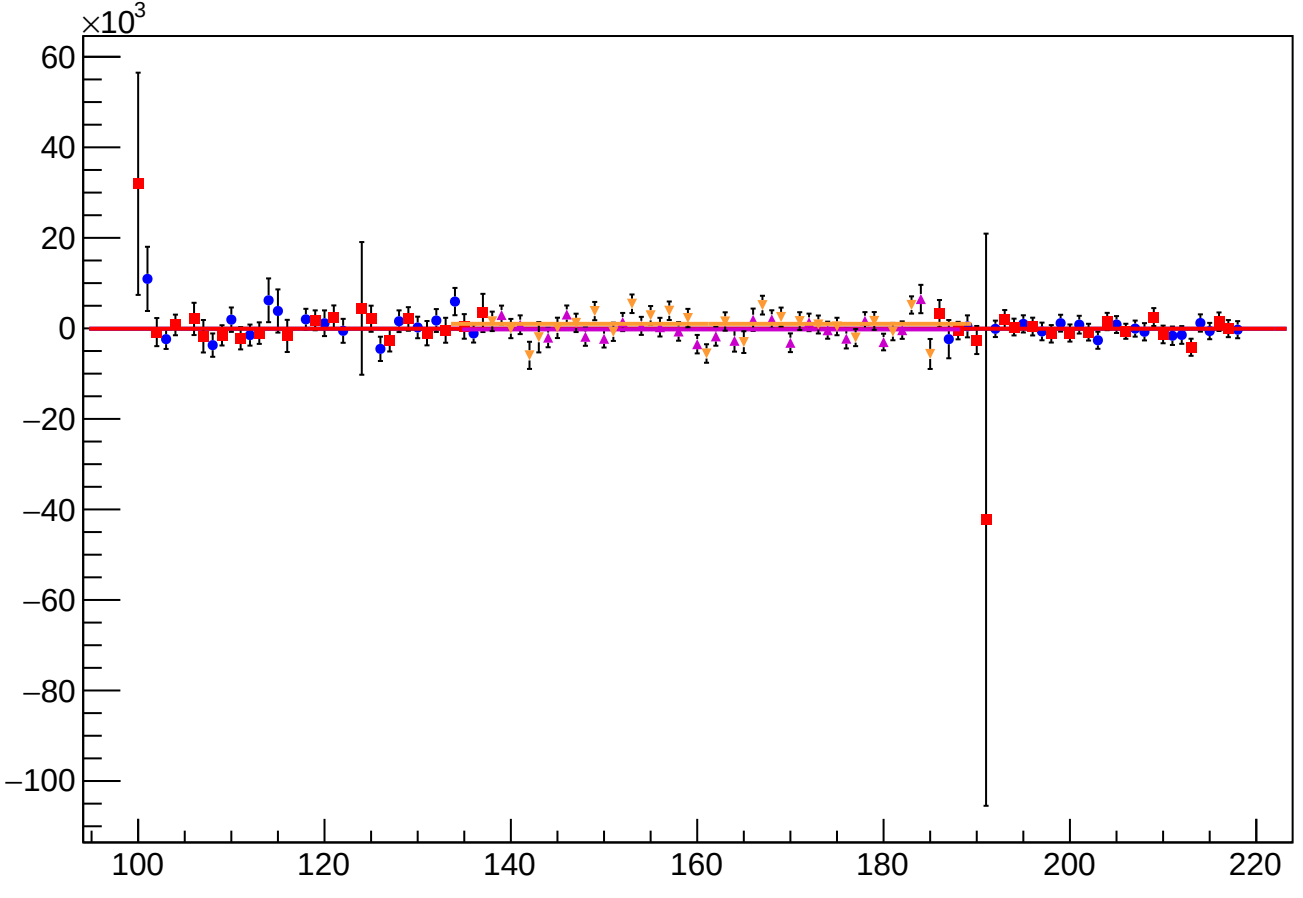
In: -0.000+/-0.000 χ^2/NDF:43.8/54

Out: -0.000+/-0.000 χ^2/NDF:67.7/60

All: -0.000+/-0.000 χ^2/NDF: 112.4/115


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: 14165161.4/35
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: 23404761.7/67
In: 0.000+/-0.000 χ²/NDF:15669669.2/54
Out: 0.000+/-0.000 χ²/NDF:26099095.9/60
All: 0.000+/-0.000 χ²/NDF: 44559450.3/115

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: -71.586+/-395.330 χ^2/NDF: 21.5/35

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

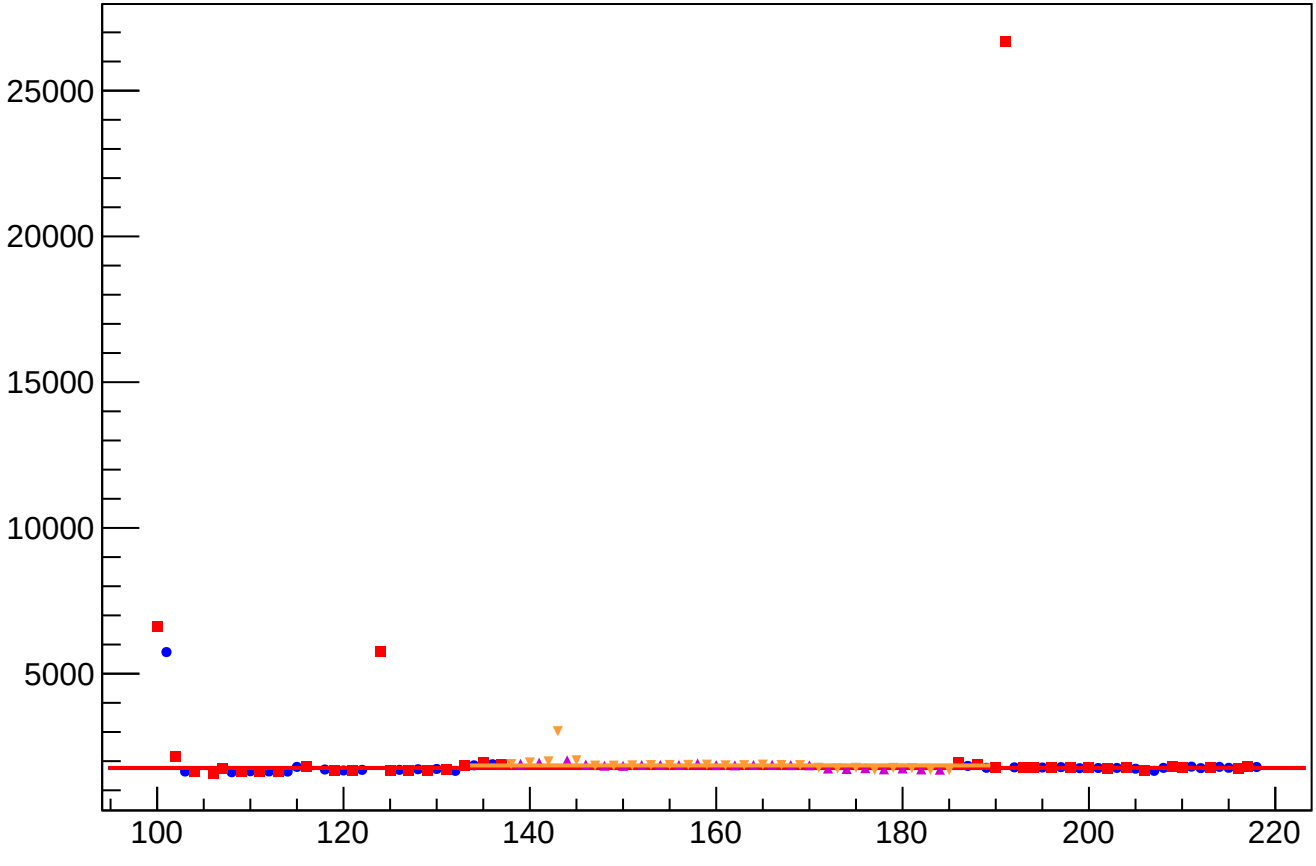
Right: -77.589+/-279.663 χ^2/NDF: 44.5/67

In: -150.466+/-291.071 χ^2/NDF:49.4/54

Out: 430.486+/-288.694 χ^2/NDF:72.3/60

All: 142.392+/-204.973 χ^2/NDF: 123.7/115

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: 1767.728+/-0.279 χ^2/NDF: 647239.2/35

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

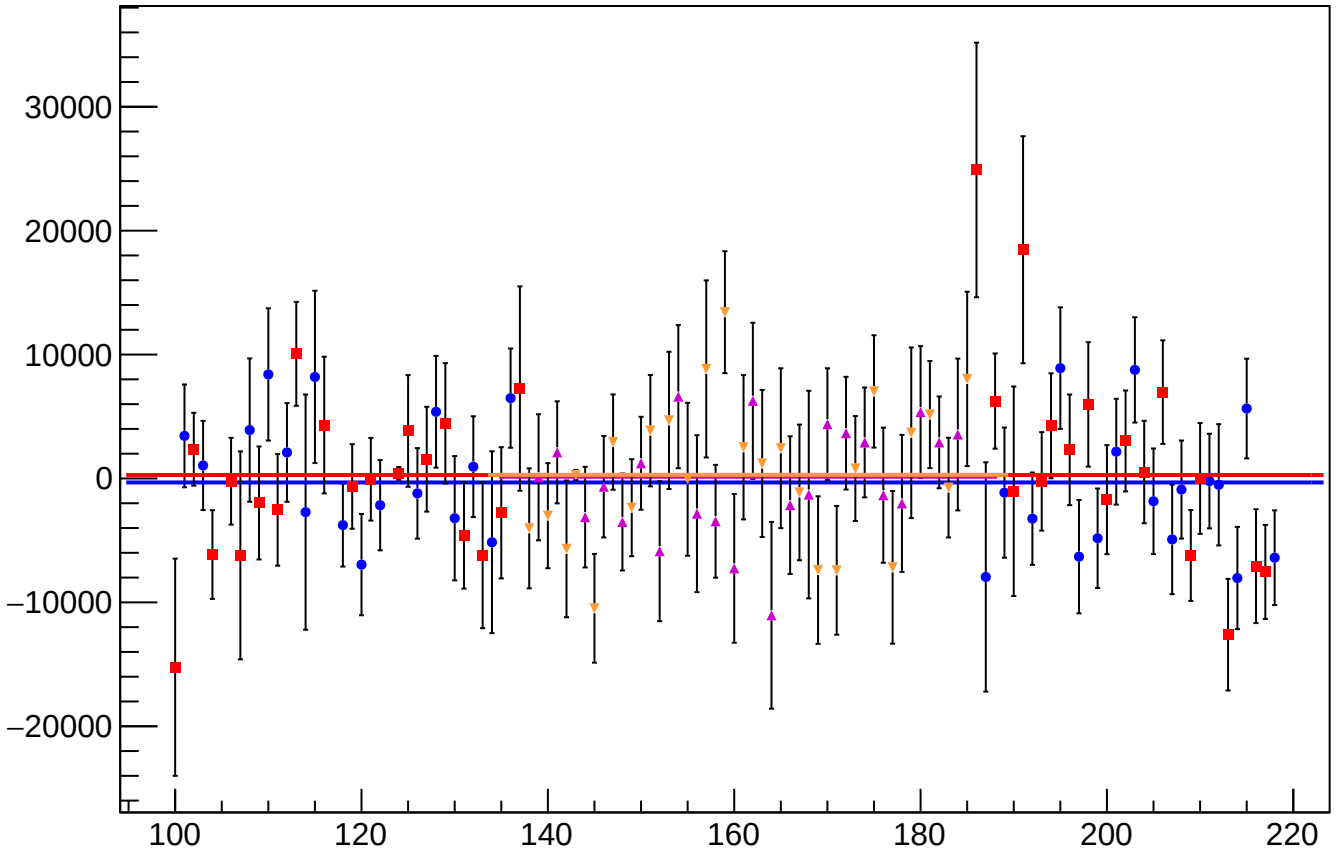
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1765.213+/-0.197 χ^2/NDF: 1328417.7/67

In: 1797.483+/-0.206 χ^2/NDF:783213.9/54

Out: 1807.195+/-0.204 χ^2/NDF:1011341.3/60

All: 1802.386+/-0.145 χ^2/NDF: 1795679.2/11



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: 280.848+/-422.632 χ^2/NDF: 55.1/35

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

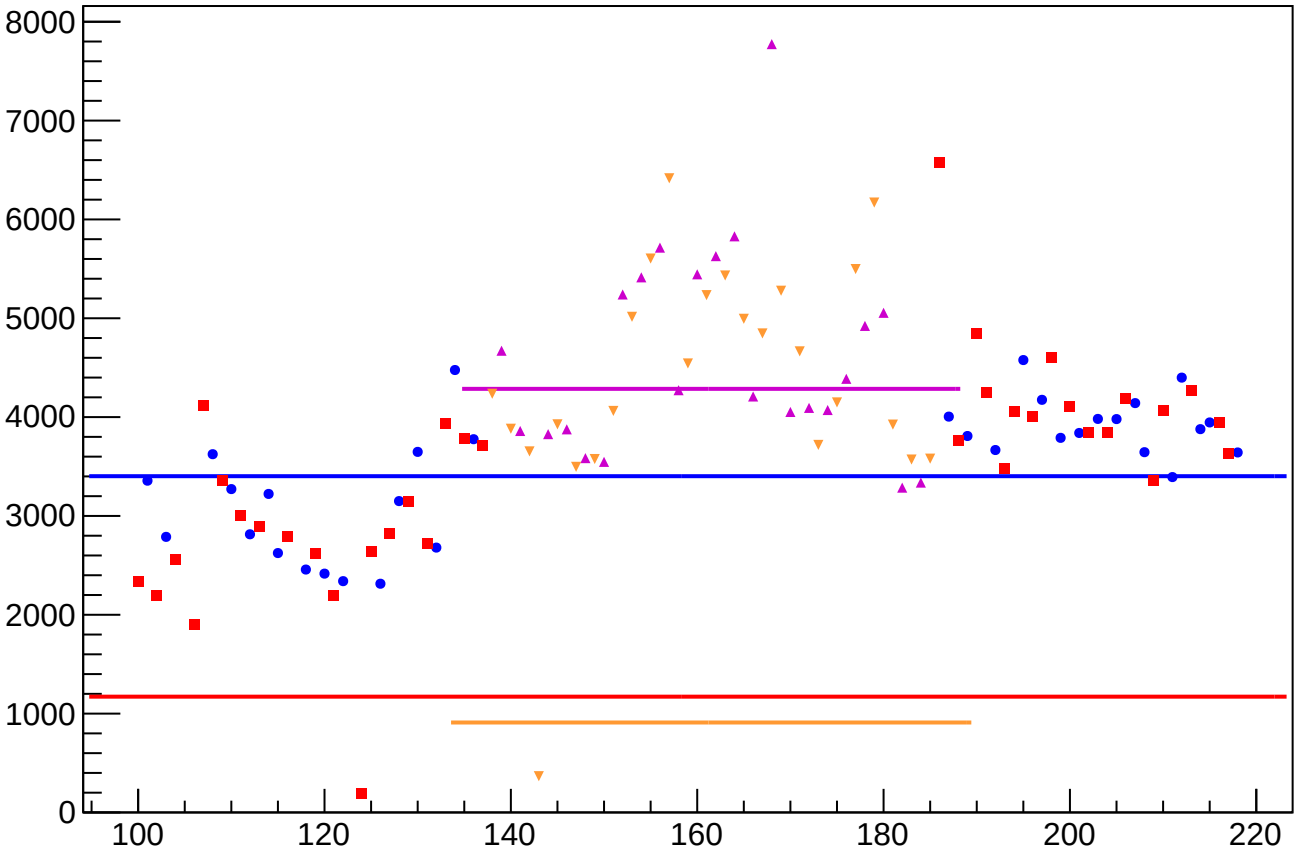
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 142.163+/-370.773 χ^2/NDF: 93.2/67

In: -154.301+/-616.477 χ^2/NDF:51.7/54

Out: 288.347+/-282.542 χ^2/NDF:85.1/60

All: 211.507+/-256.851 χ^2/NDF: 137.2/115



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: 1171.557+/-0.299 χ^2/NDF: 25480600.8/35

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

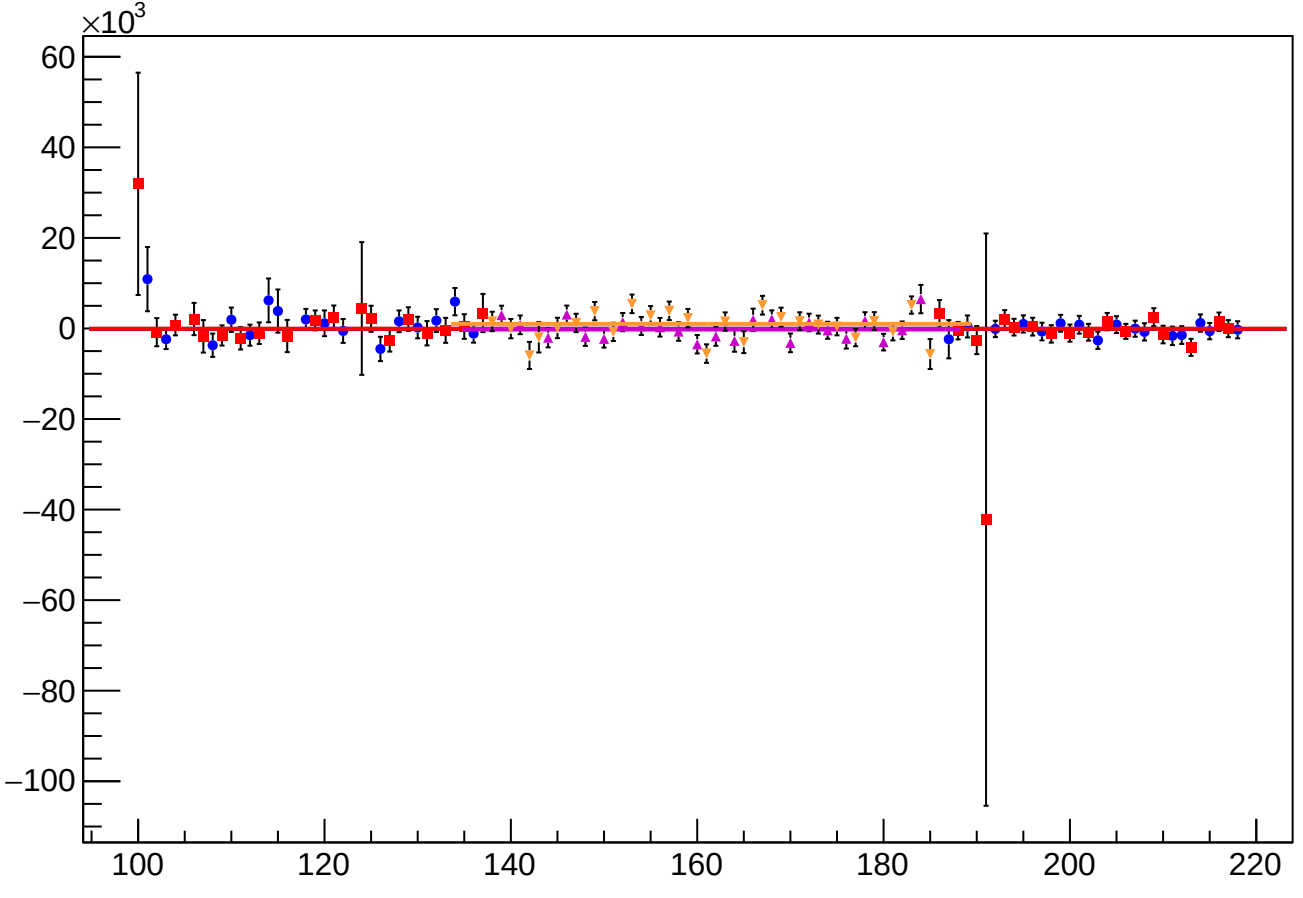
Right: 1685.392+/-0.262 χ^2/NDF: 39737033.4/67

In: 3723.129+/-0.436 χ^2/NDF:3700798.8/54

Out: 1026.973+/-0.200 χ^2/NDF:52677946.7/60

All: 1495.001+/-0.182 χ^2/NDF: 87992829.1/

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: -71.574+/-395.330 χ^2/NDF: 21.5/35

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

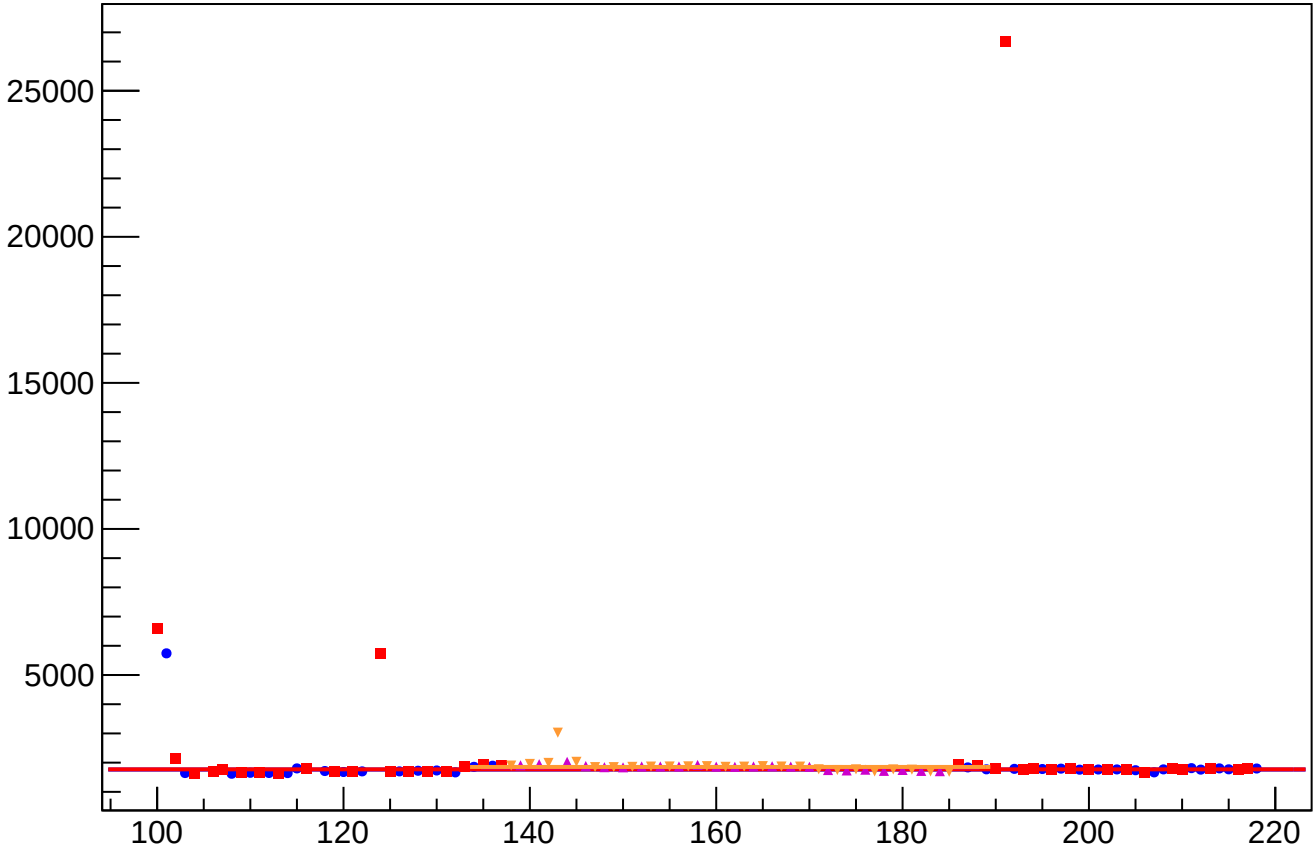
Right: -77.659+/-279.663 χ^2/NDF: 44.5/67

In: -150.509+/-291.071 χ^2/NDF:49.4/54

Out: 430.473+/-288.694 χ^2/NDF:72.3/60

All: 142.364+/-204.973 χ^2/NDF: 123.7/115

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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: 1770.254+/-0.279 χ^2/NDF: 638987.2/35

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

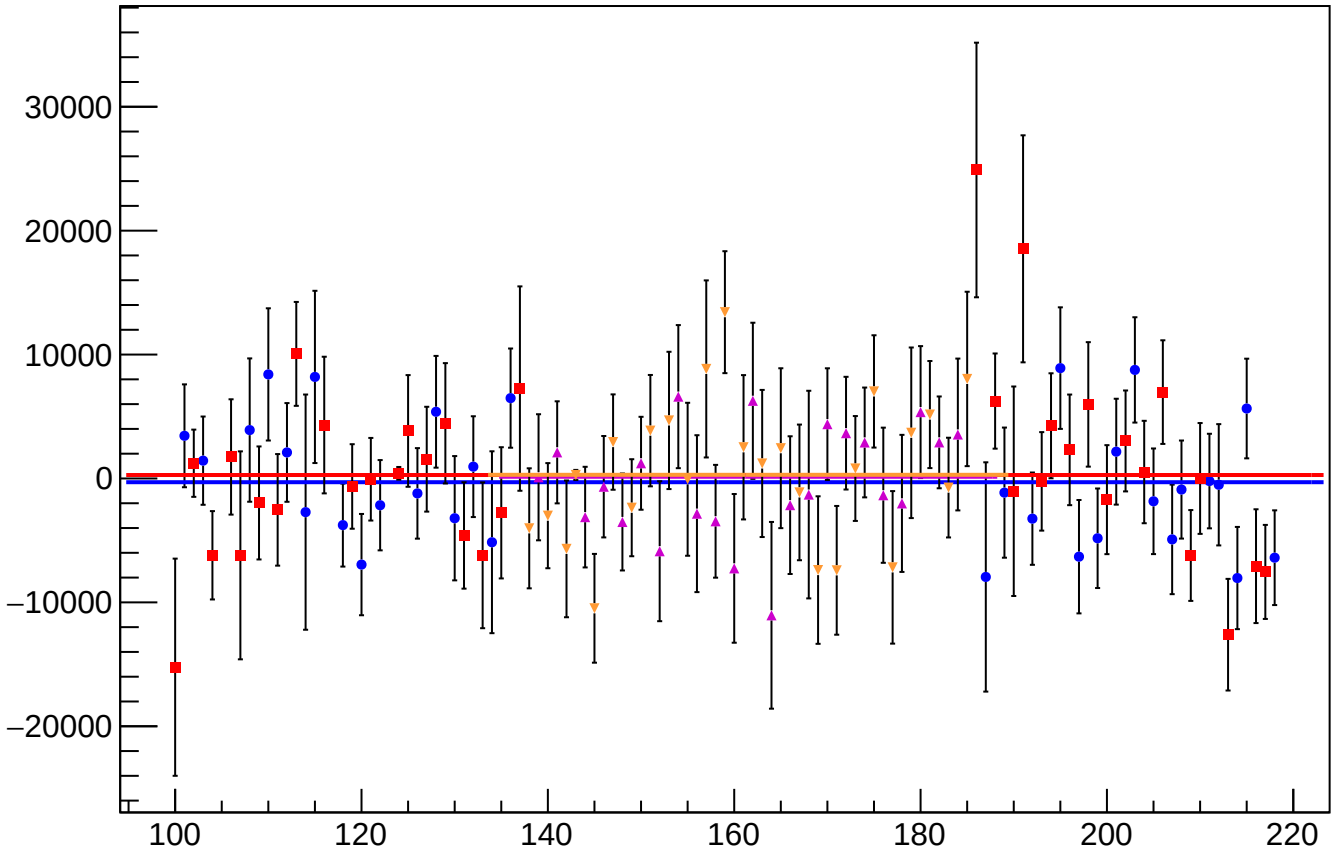
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1766.476+/-0.198 χ^2/NDF: 1320369.7/67

In: 1797.483+/-0.206 χ^2/NDF:783214.2/54

Out: 1808.600+/-0.204 χ^2/NDF:1000512.1/60

All: 1803.091+/-0.145 χ^2/NDF: 1785197.8/11



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: 278.777+/-423.350 χ^2/NDF: 54.9/35

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

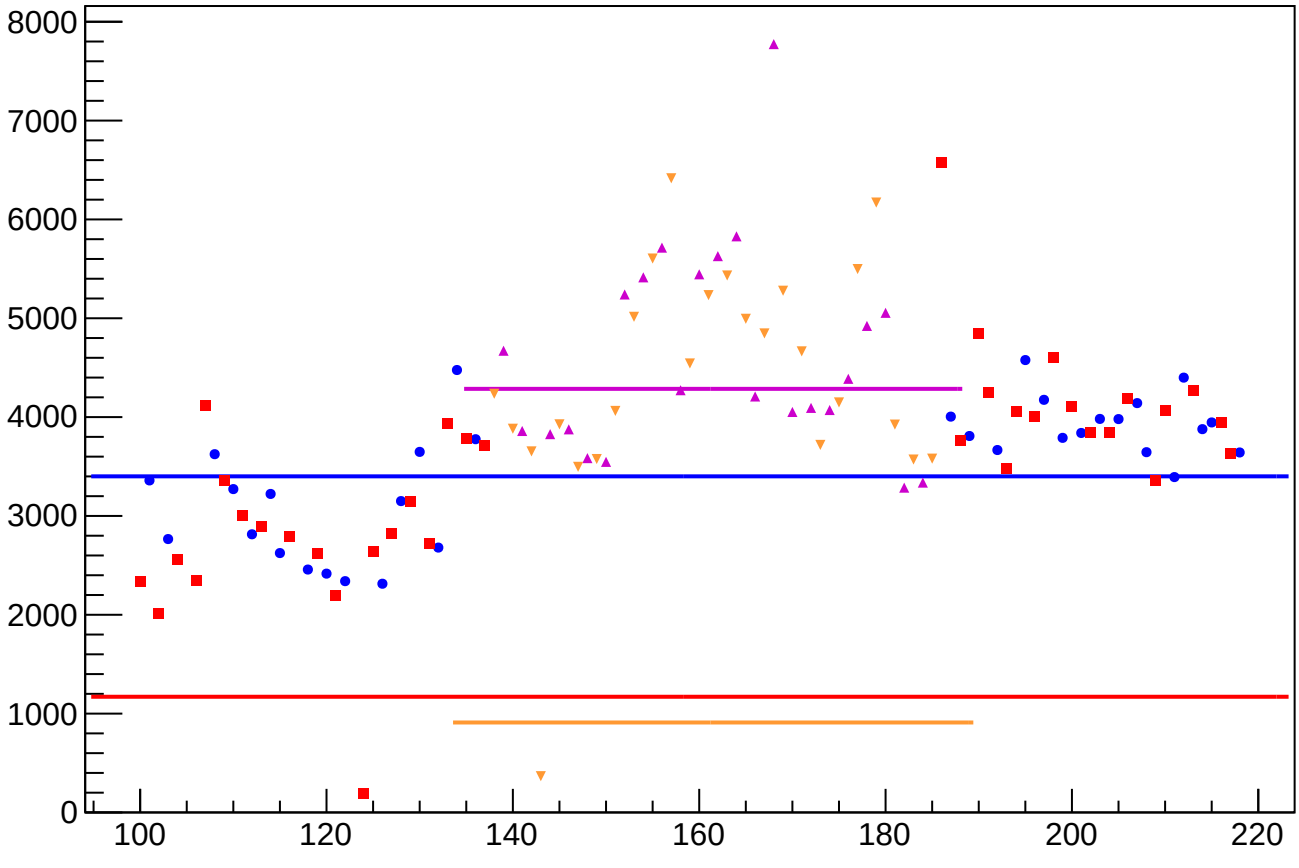
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 144.608+/-371.218 χ^2/NDF: 93.1/67

In: -142.025+/-616.294 χ^2/NDF:51.8/54

Out: 287.933+/-282.769 χ^2/NDF:85.0/60

All: 213.161+/-257.007 χ^2/NDF: 137.1/115



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: 1170.594+/-0.299 χ^2/NDF: 25456844.1/35

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

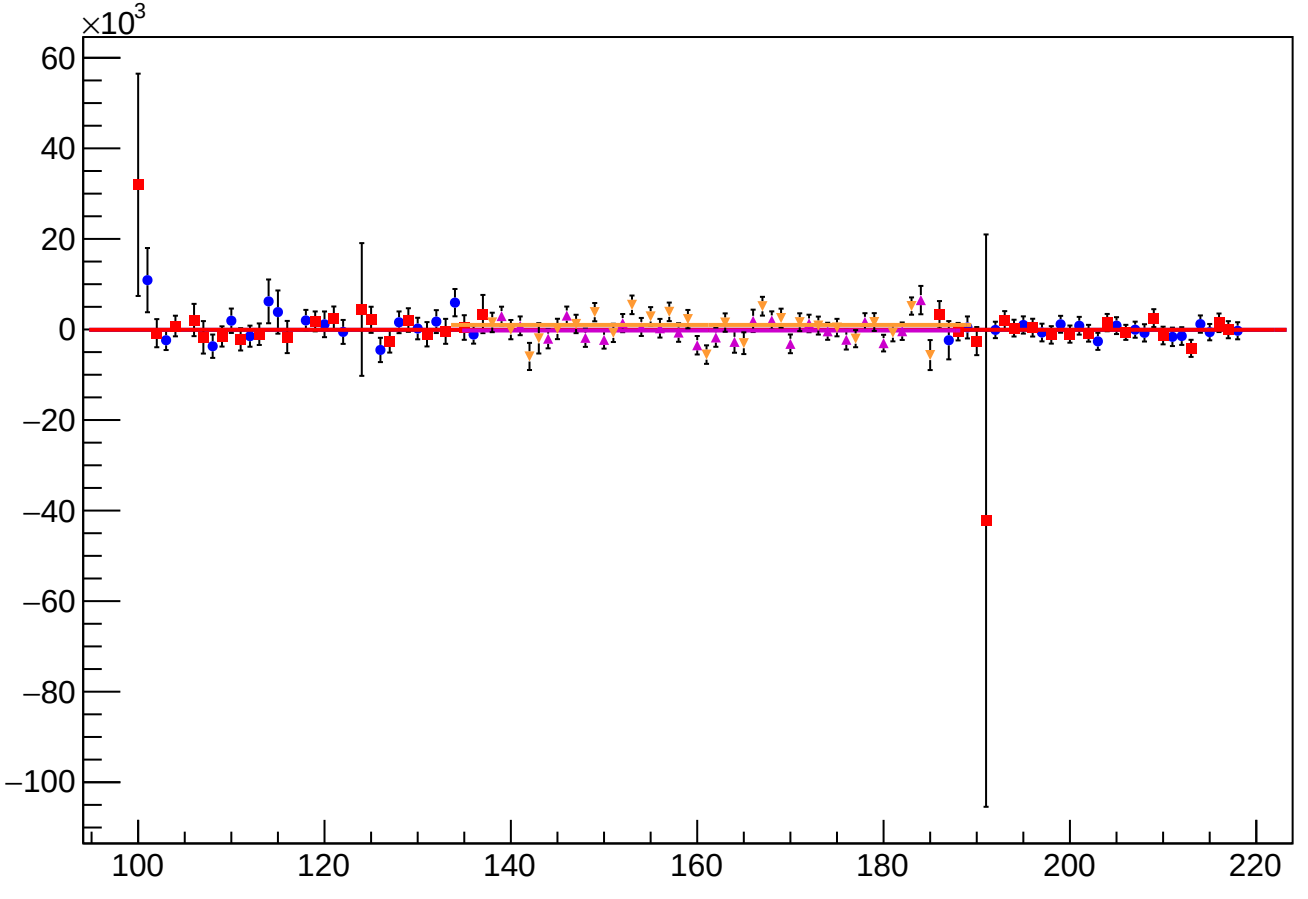
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1686.007+/-0.262 χ^2/NDF: 39711214.5/67

In: 3721.949+/-0.436 χ^2/NDF:3709990.8/54

Out: 1026.399+/-0.200 χ^2/NDF:52648722.0/60

All: 1495.172+/-0.182 χ^2/NDF: 87965316.1/1



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: -71.574+/-395.330 χ^2/NDF: 21.5/35

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

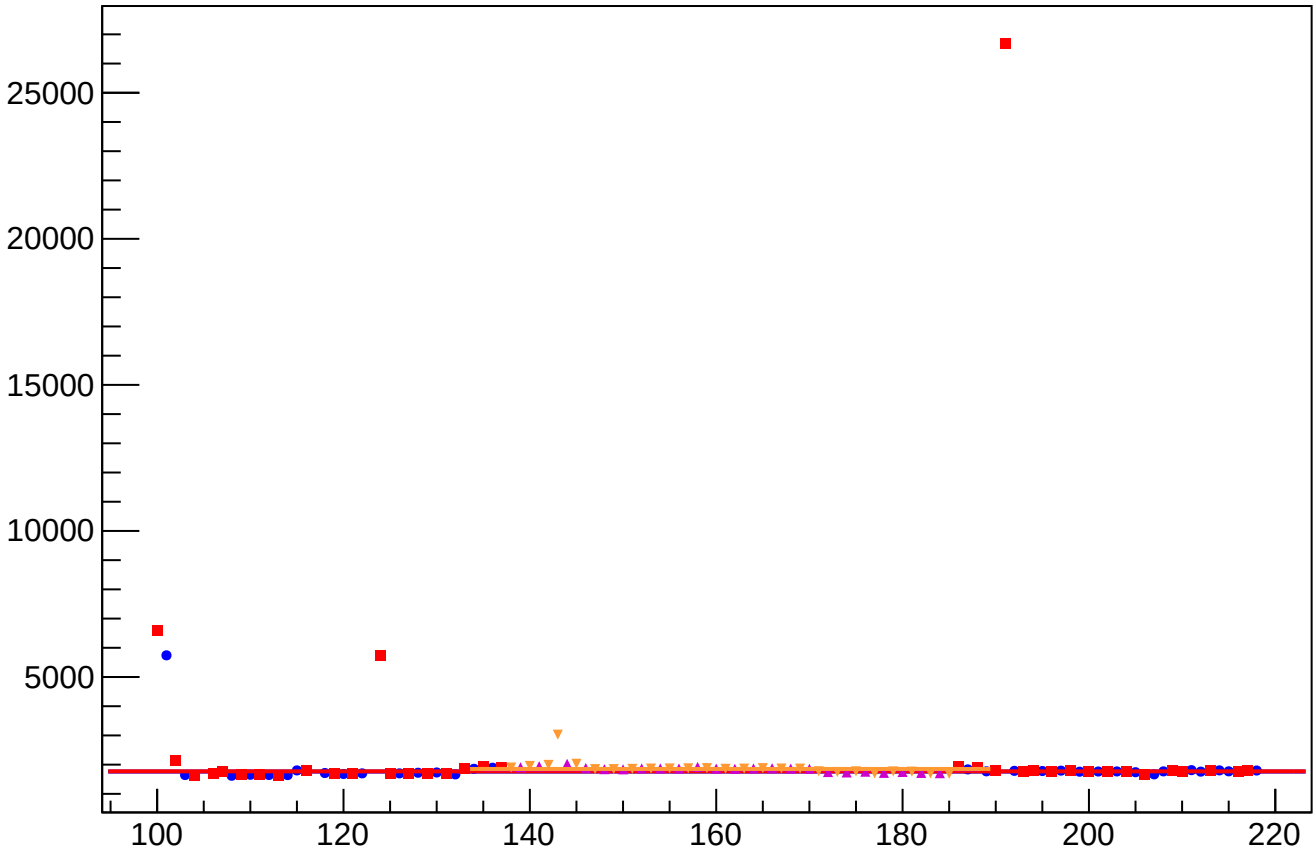
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: -77.659+/-279.663 χ^2/NDF: 44.5/67

In: -150.509+/-291.071 χ^2/NDF:49.4/54

Out: 430.473+/-288.694 χ^2/NDF:72.3/60

All: 142.364+/-204.973 χ^2/NDF: 123.7/115



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: 1770.254+/-0.279 χ^2/NDF: 638987.2/35

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

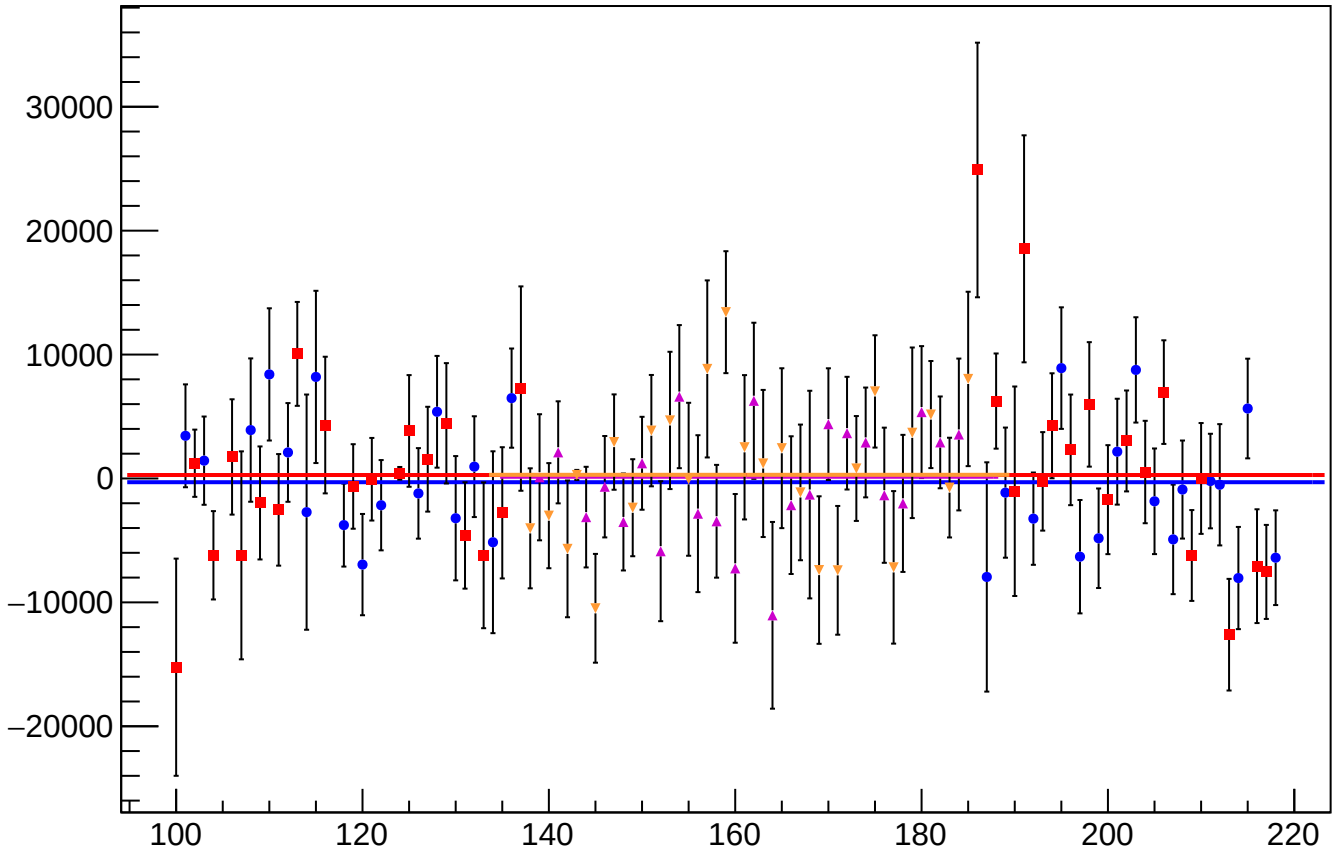
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1766.476+/-0.198 χ^2/NDF: 1320369.7/67

In: 1797.483+/-0.206 χ^2/NDF:783214.2/54

Out: 1808.600+/-0.204 χ^2/NDF:1000512.1/60

All: 1803.091+/-0.145 χ^2/NDF: 1785197.8/11



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: 278.777+/-423.350 χ^2/NDF: 54.9/35

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

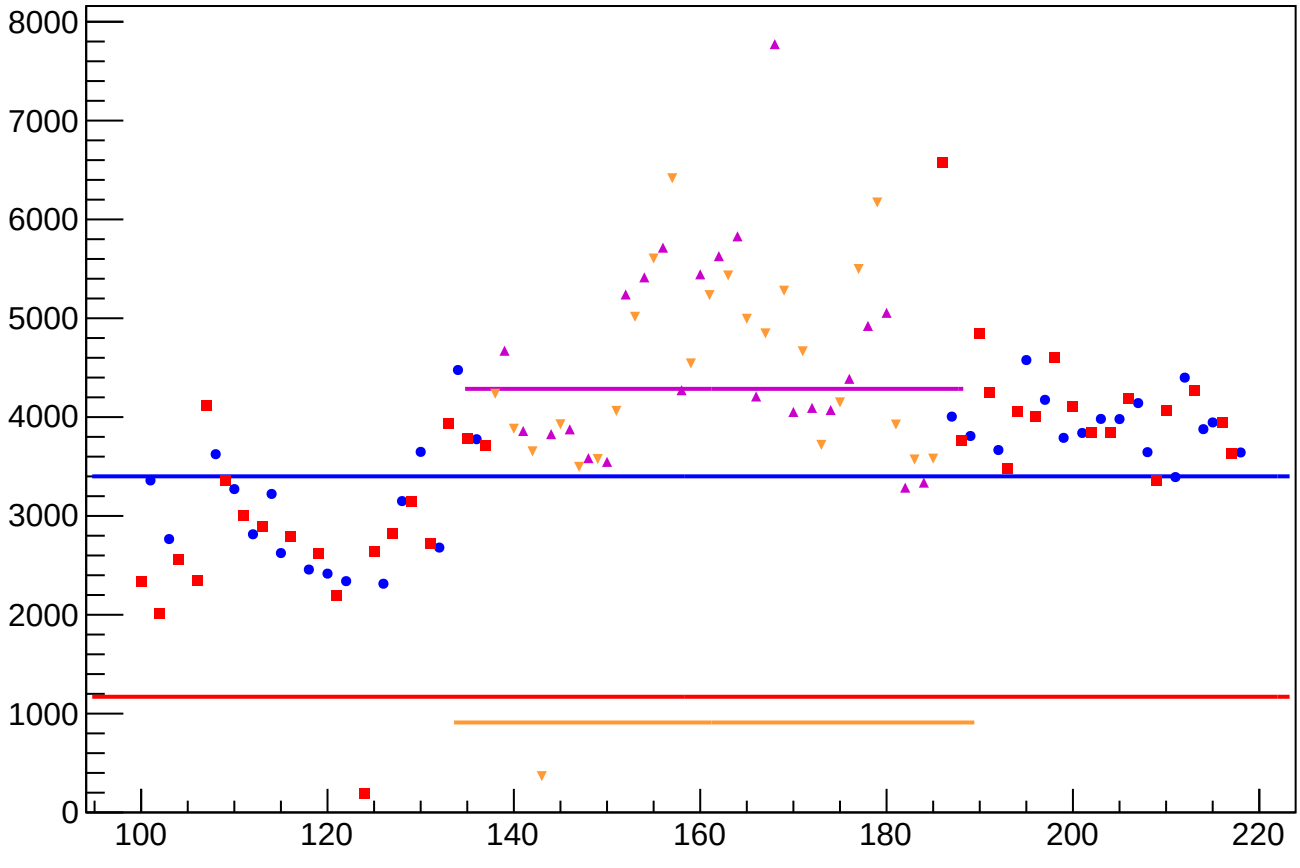
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 144.608+/-371.218 χ^2/NDF: 93.1/67

In: -142.025+/-616.294 χ^2/NDF:51.8/54

Out: 287.933+/-282.769 χ^2/NDF:85.0/60

All: 213.161+/-257.007 χ^2/NDF: 137.1/115



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: 1170.594+/-0.299 χ^2/NDF: 25456844.1/35

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

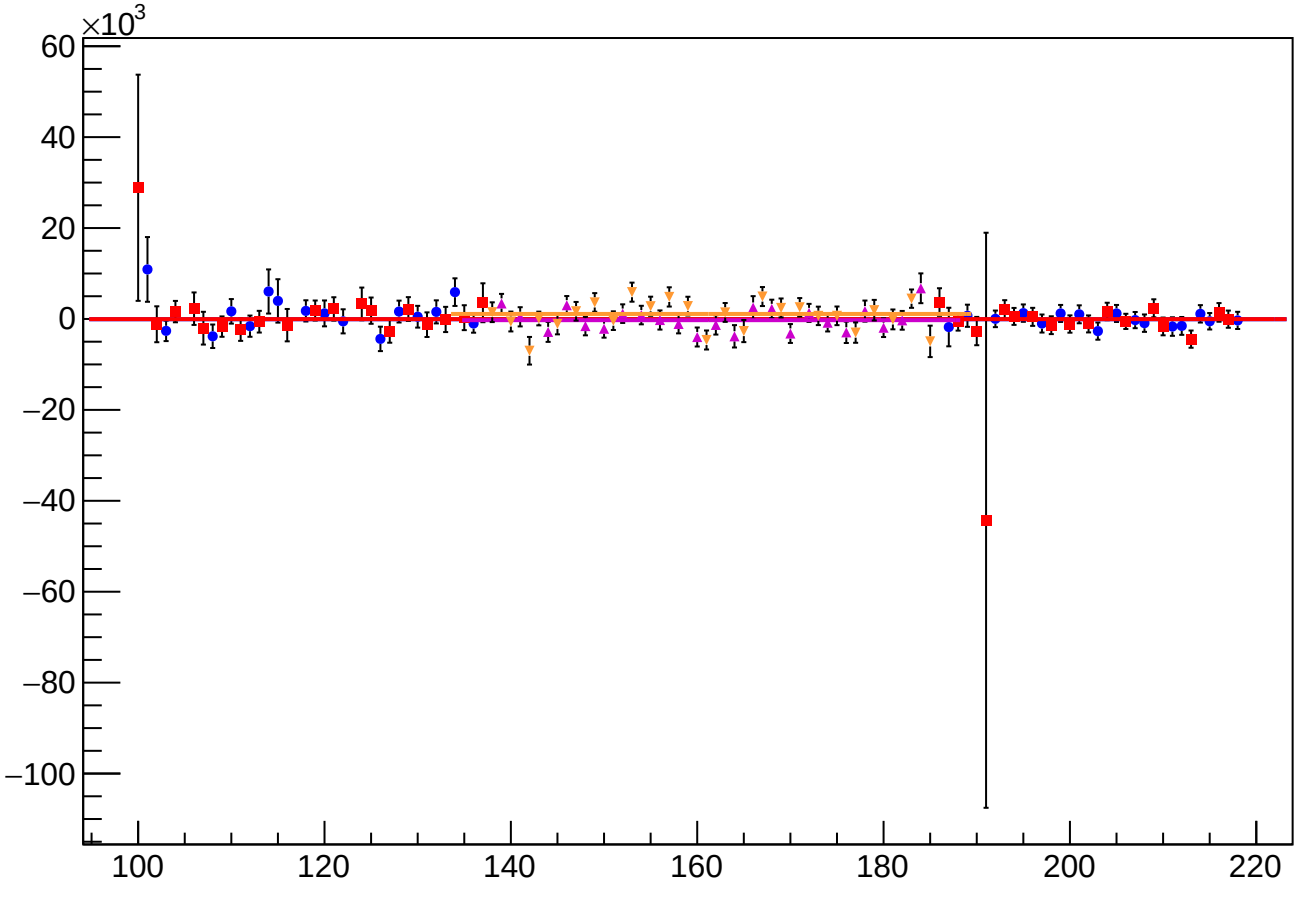
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1686.007+/-0.262 χ^2/NDF: 39711214.5/67

In: 3721.949+/-0.436 χ^2/NDF:3709990.8/54

Out: 1026.399+/-0.200 χ^2/NDF:52648722.0/60

All: 1495.172+/-0.182 χ^2/NDF: 87965316.1/1



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: -36.849+/-396.429 χ^2/NDF: 24.0/35

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

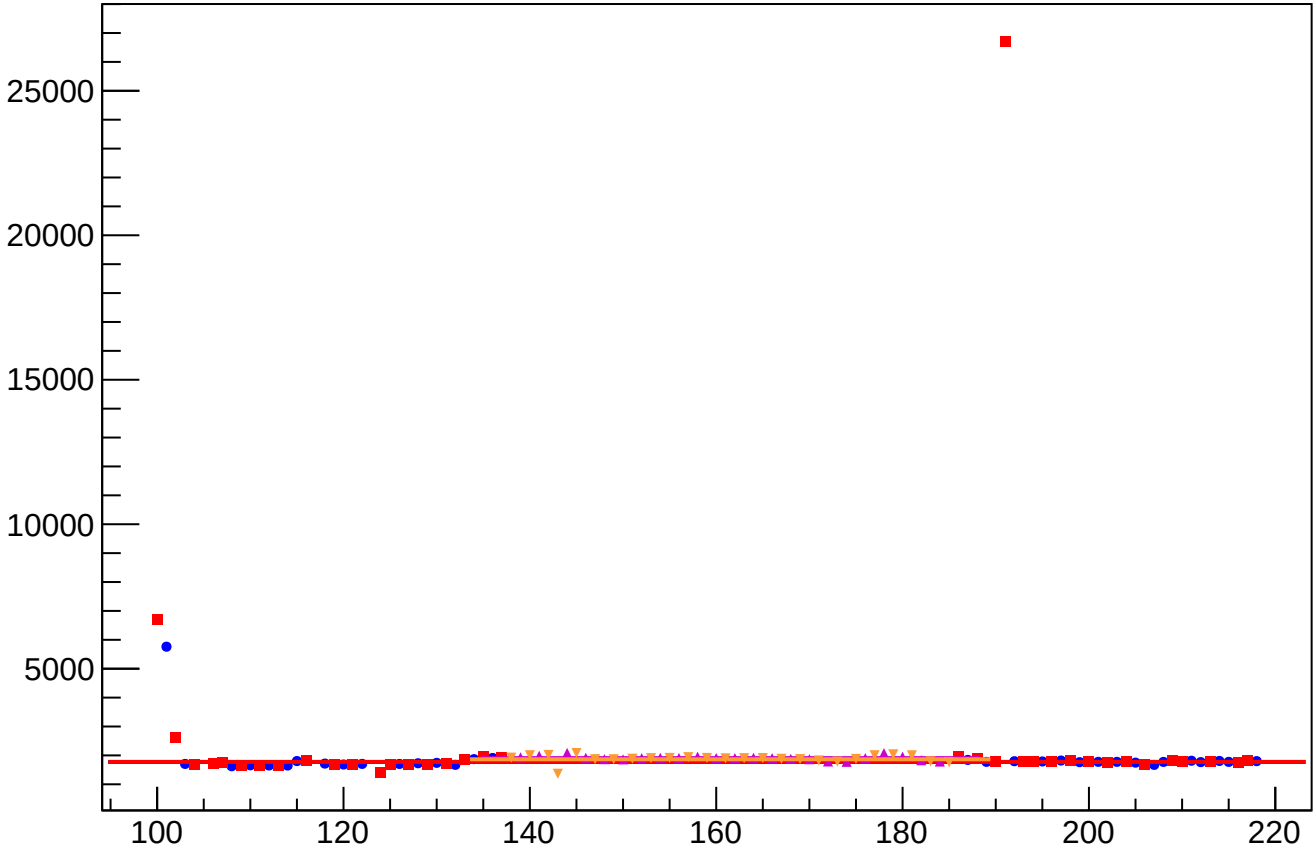
Right: -52.365+/-280.791 χ^2/NDF: 47.3/67

In: -155.237+/-296.668 χ^2/NDF:51.1/54

Out: 493.193+/-289.994 χ^2/NDF:72.6/60

All: 176.354+/-207.376 χ^2/NDF: 126.2/115

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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: 1775.179+/-0.280 χ^2/NDF: 570707.3/35

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

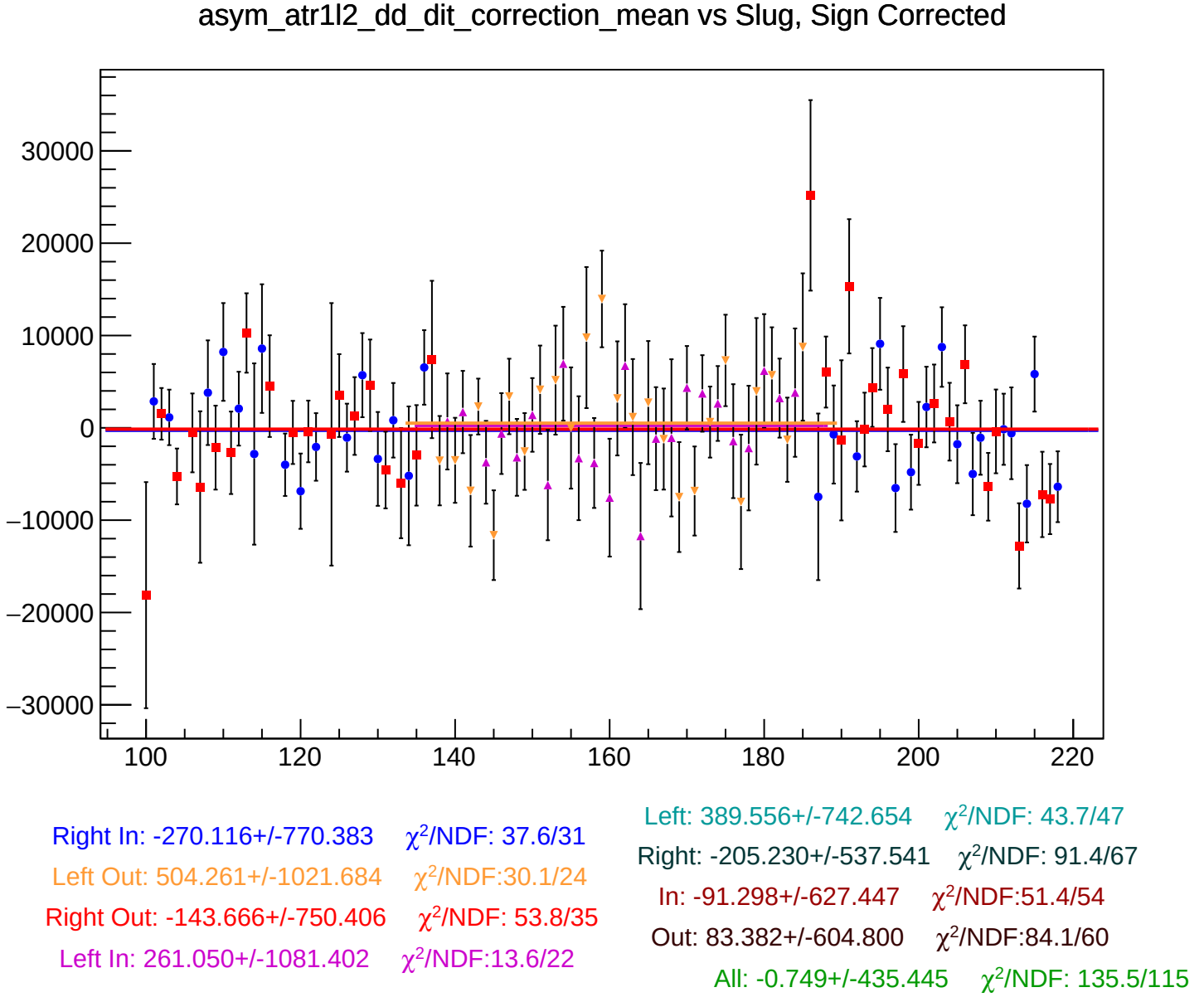
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

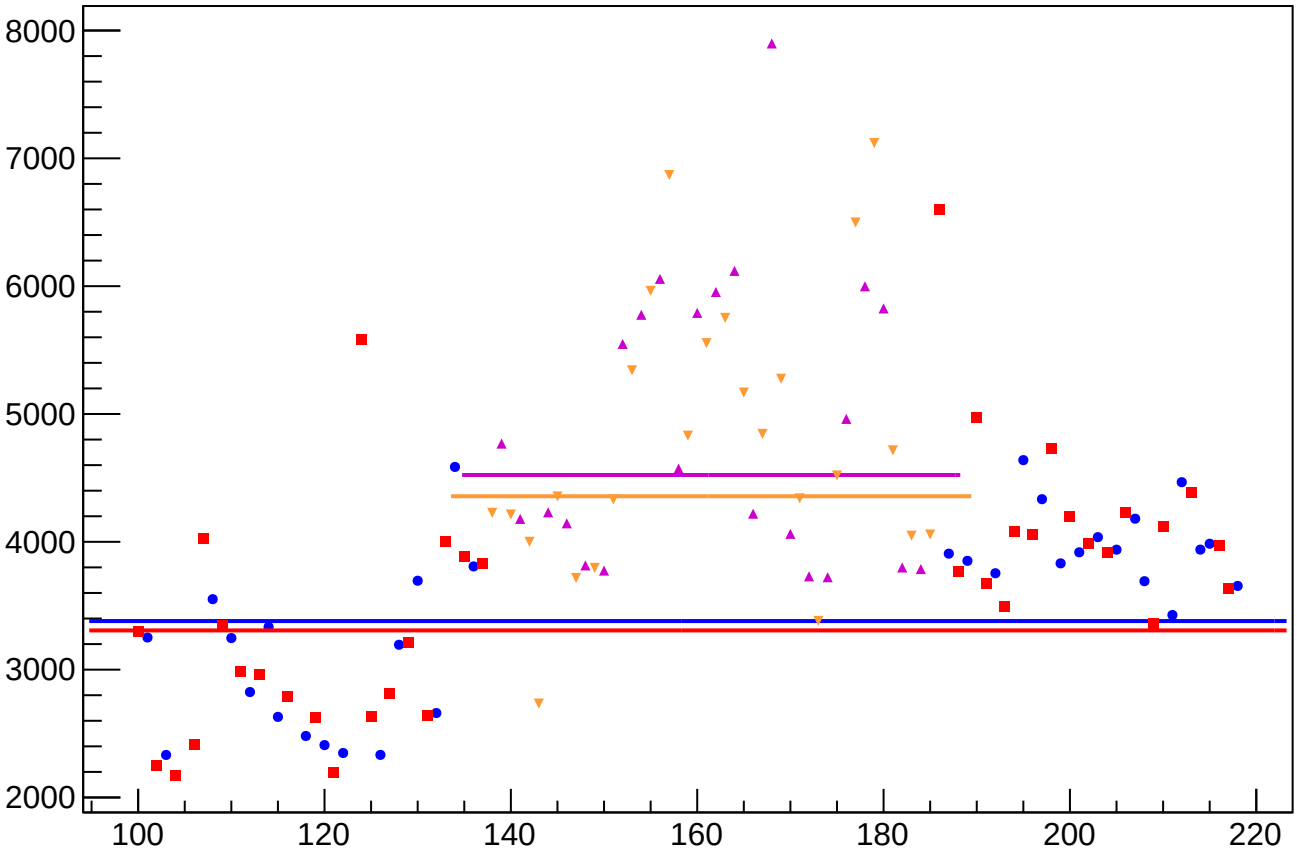
Right: 1773.607+/-0.198 χ^2/NDF: 1250185.5/67

In: 1831.308+/-0.210 χ^2/NDF:832323.5/54

Out: 1816.814+/-0.205 χ^2/NDF:913028.0/60

All: 1823.892+/-0.147 χ^2/NDF: 1747794.0/11


asym_atr1l2_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: -270.116+/-770.383 χ²/NDF: 37.6/31
Left Out: 504.261+/-1021.684 χ²/NDF:30.1/24
Right Out: -143.666+/-750.406 χ²/NDF: 53.8/35
Left In: 261.050+/-1081.402 χ²/NDF:13.6/22
Left: 389.556+/-742.654 χ²/NDF: 43.7/47
Right: -205.230+/-537.541 χ²/NDF: 91.4/67
In: -91.298+/-627.447 χ²/NDF:51.4/54
Out: 83.382+/-604.800 χ²/NDF:84.1/60
All: -0.749+/-435.445 χ²/NDF: 135.5/115



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: 3306.927+/-0.531 χ^2/NDF: 2331322.5/35

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

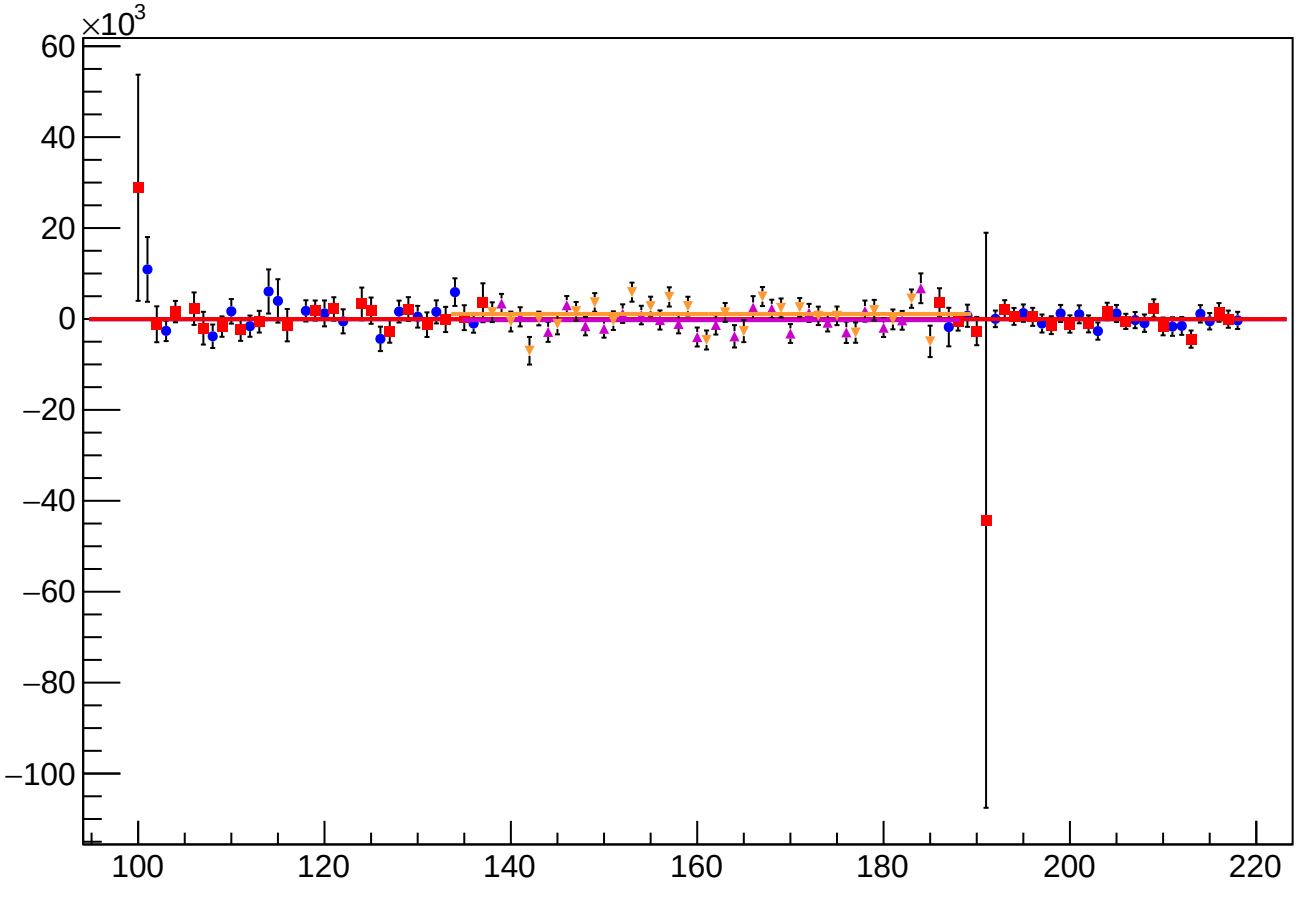
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3342.534+/-0.380 χ^2/NDF: 4023182.4/67

In: 3764.762+/-0.444 χ^2/NDF:4598050.3/54

Out: 3674.770+/-0.428 χ^2/NDF:5615070.7/60

All: 3718.113+/-0.308 χ^2/NDF: 10234447.5/1



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: -36.849+/-396.429 χ^2/NDF: 24.0/35

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

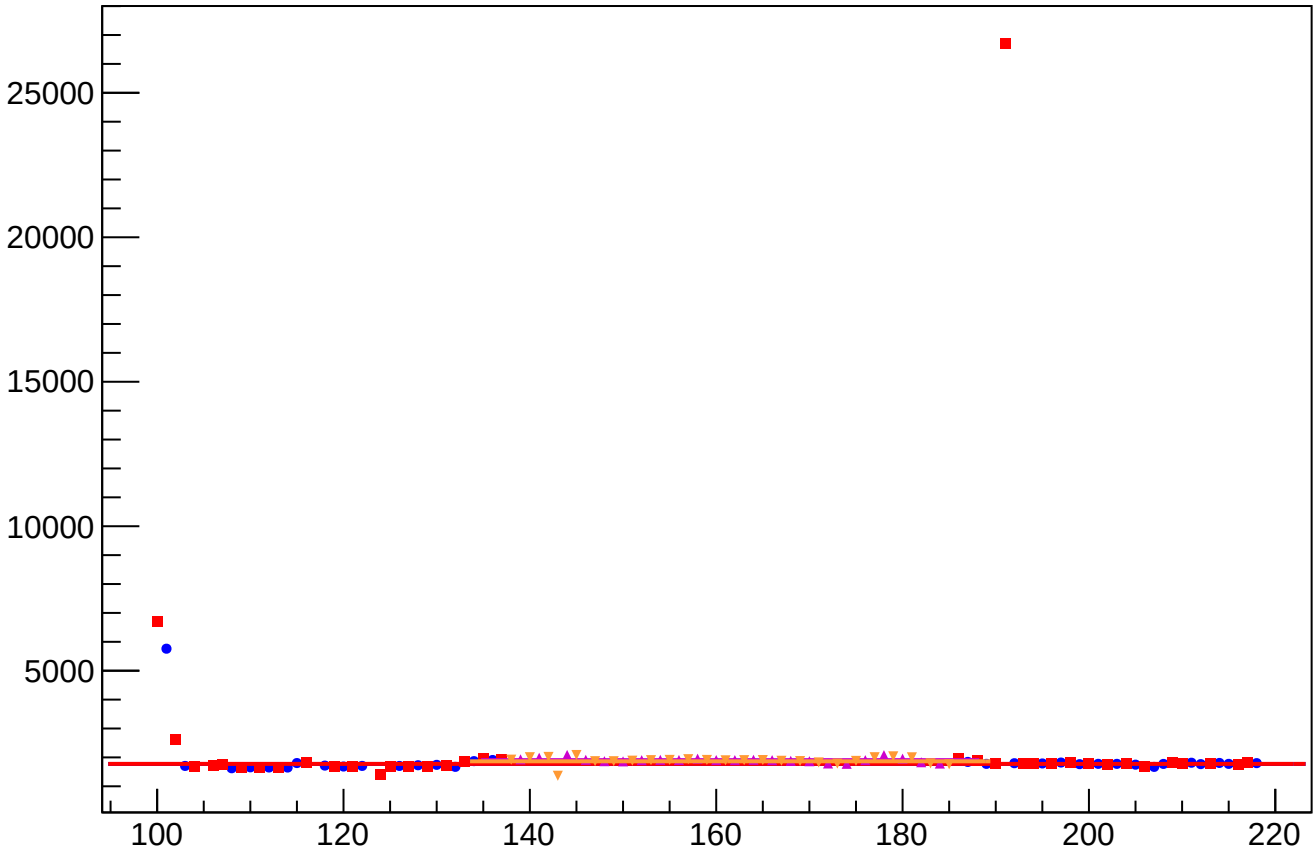
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: -52.366+/-280.791 χ^2/NDF: 47.3/67

In: -155.237+/-296.668 χ^2/NDF:51.1/54

Out: 493.194+/-289.994 χ^2/NDF:72.6/60

All: 176.354+/-207.376 χ^2/NDF: 126.2/115



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: 1775.179+/-0.280 χ^2/NDF: 570707.3/35

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

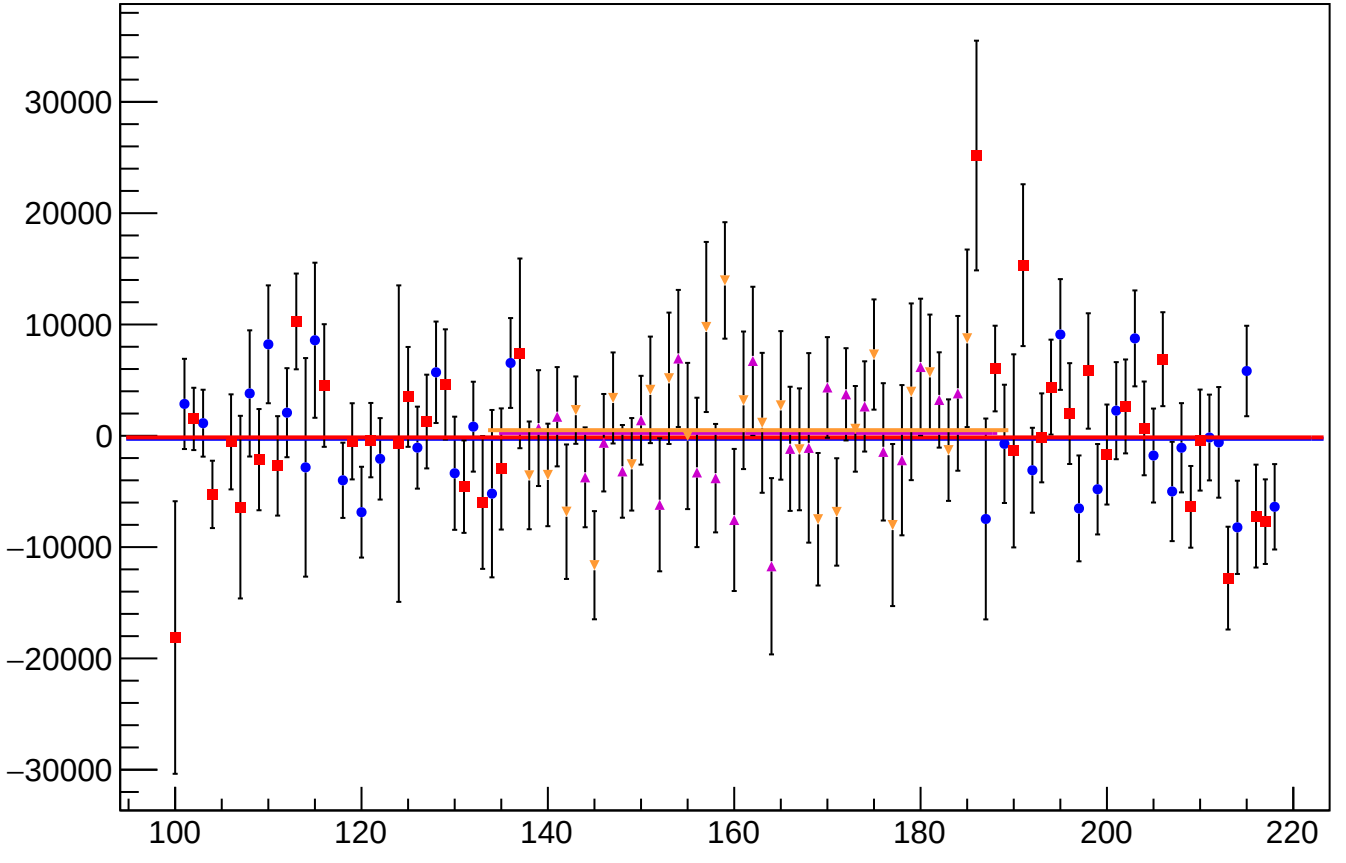
Right: 1773.607+/-0.198 χ^2/NDF: 1250185.5/67

In: 1831.309+/-0.210 χ^2/NDF:832327.2/54

Out: 1816.815+/-0.205 χ^2/NDF:913032.3/60

All: 1823.893+/-0.147 χ^2/NDF: 1747802.0/11

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -143.670+/-750.405 χ^2/NDF: 53.8/35

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

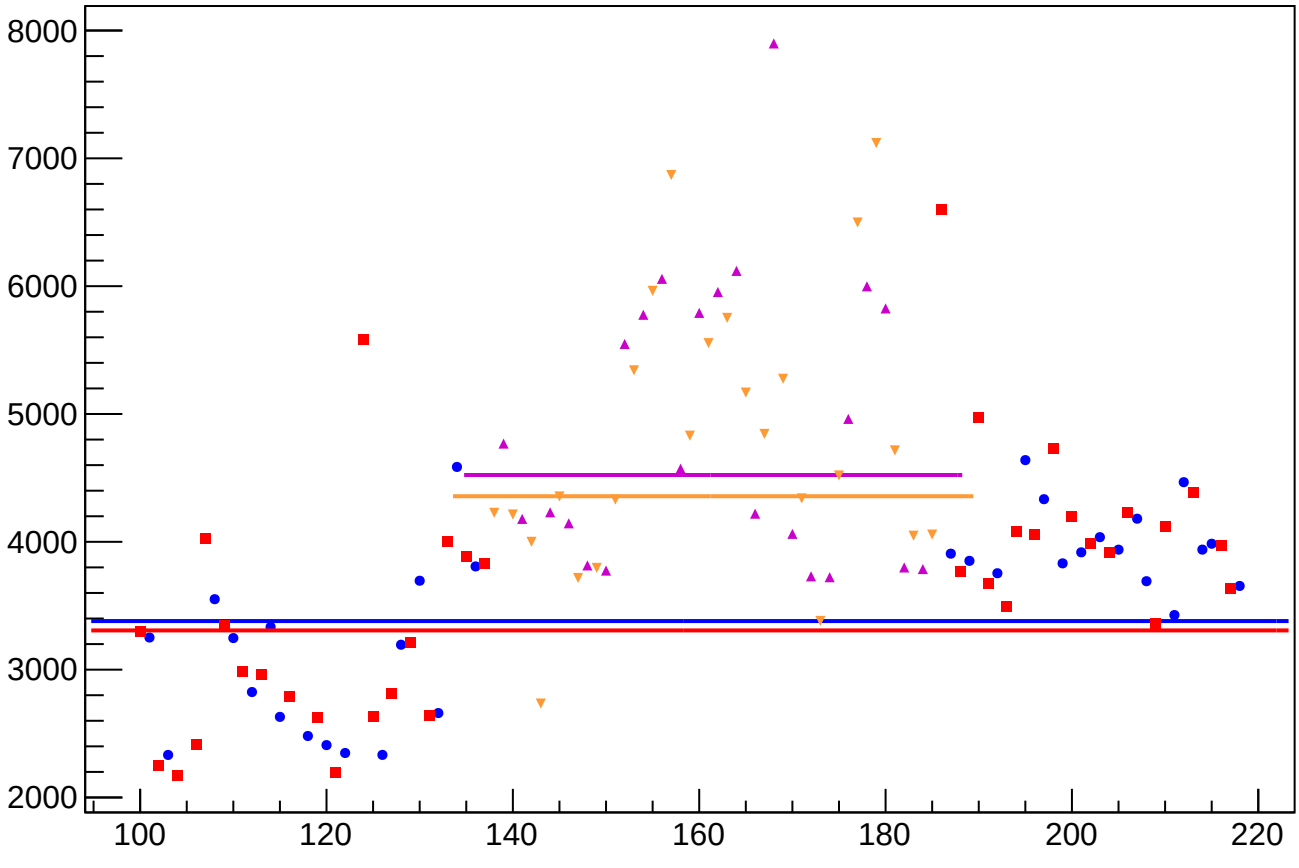
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: -205.233+/-537.540 χ^2/NDF: 91.4/67

In: -91.299+/-627.448 χ^2/NDF:51.4/54

Out: 83.379+/-604.800 χ^2/NDF:84.1/60

All: -0.750+/-435.445 χ^2/NDF: 135.5/115



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: 3306.924+/-0.531 χ^2/NDF: 2331341.7/35

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

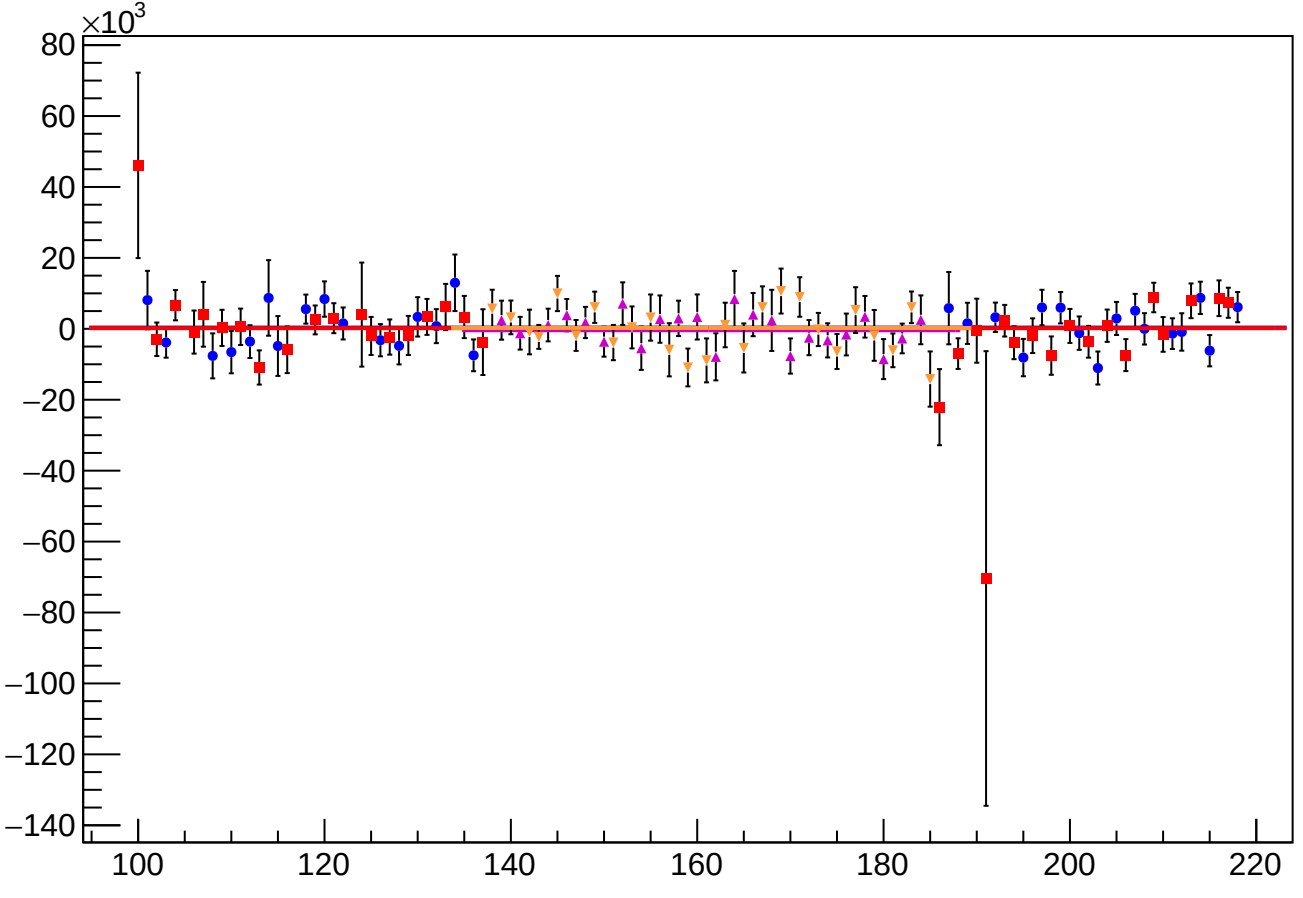
Right: 3342.531+/-0.380 χ^2/NDF: 4023236.4/67

In: 3764.762+/-0.444 χ^2/NDF:4598108.8/54

Out: 3674.770+/-0.428 χ^2/NDF:5615118.2/60

All: 3718.112+/-0.308 χ^2/NDF: 10234553.8/1

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: 187.686+/-880.752 χ^2/NDF: 43.0/35

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

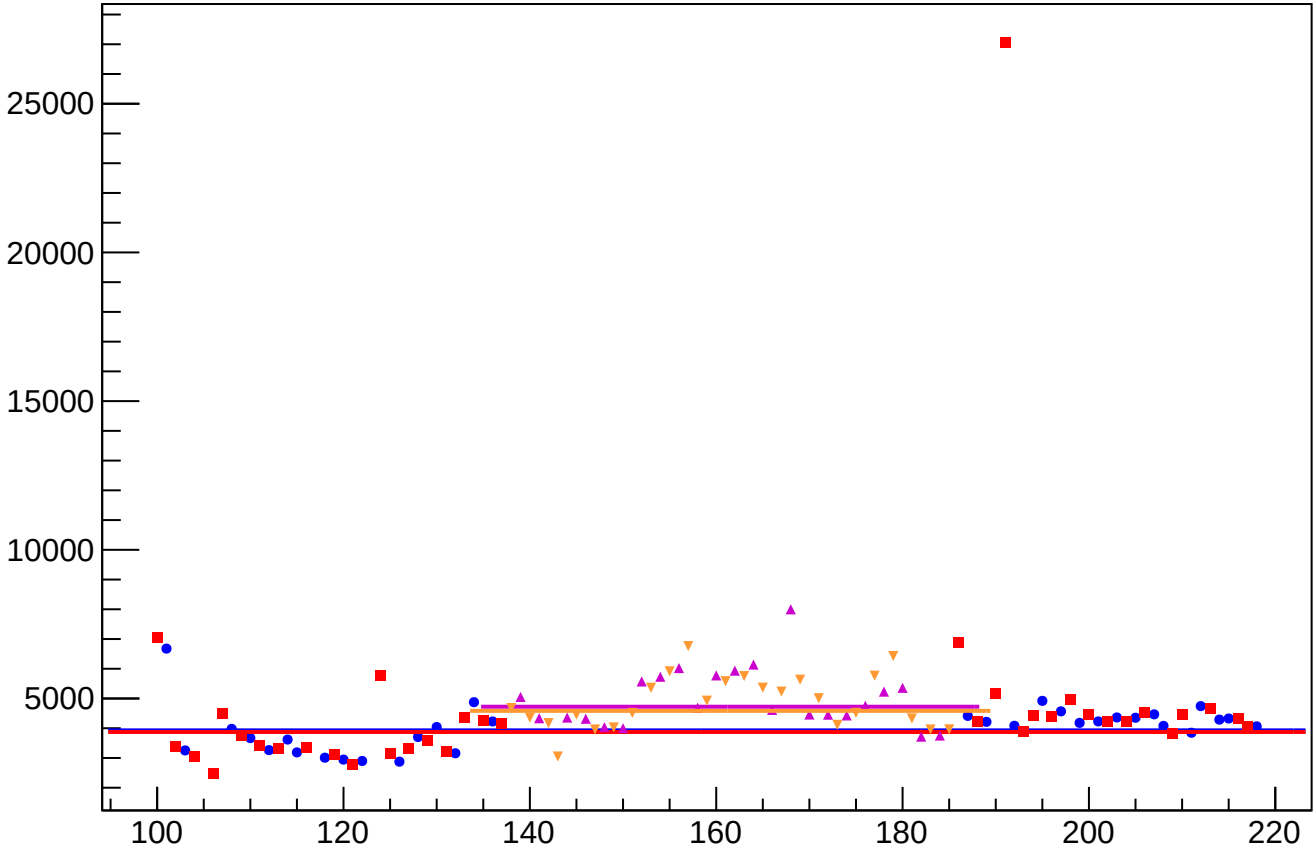
Right: 262.889+/-625.261 χ^2/NDF: 82.6/67

In: 55.253+/-696.047 χ^2/NDF:54.0/54

Out: 208.913+/-678.631 χ^2/NDF:75.2/60

All: 134.029+/-485.905 χ^2/NDF: 129.3/115

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: 3874.464+/-0.619 χ^2/NDF: 1525747.1/35

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

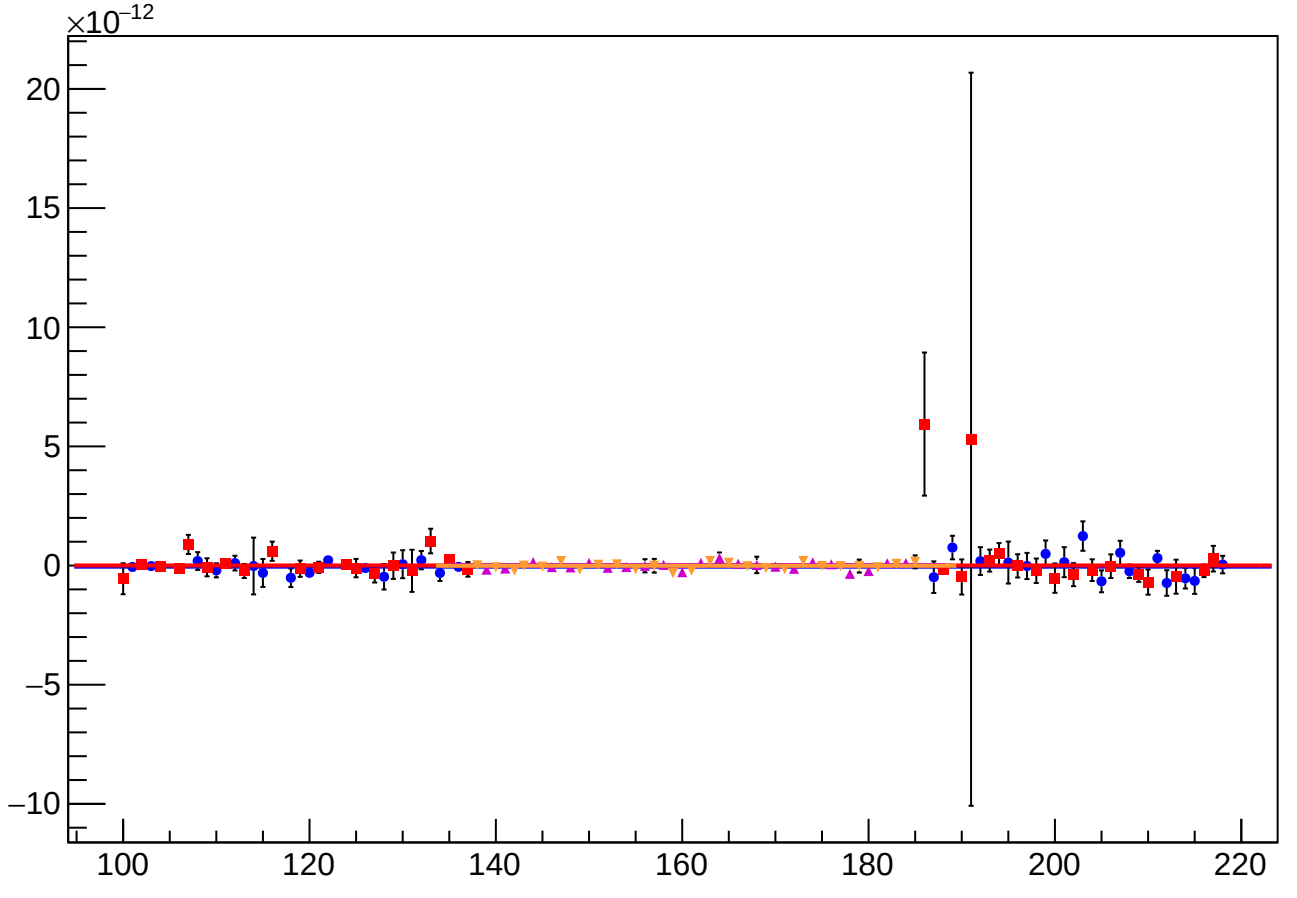
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3901.141+/-0.441 χ^2/NDF: 2619073.3/67

In: 4234.709+/-0.492 χ^2/NDF:2723184.1/54

Out: 4160.718+/-0.478 χ^2/NDF:3368731.4/60

All: 4196.628+/-0.343 χ^2/NDF: 6103547.1/11



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: 31.5/35

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

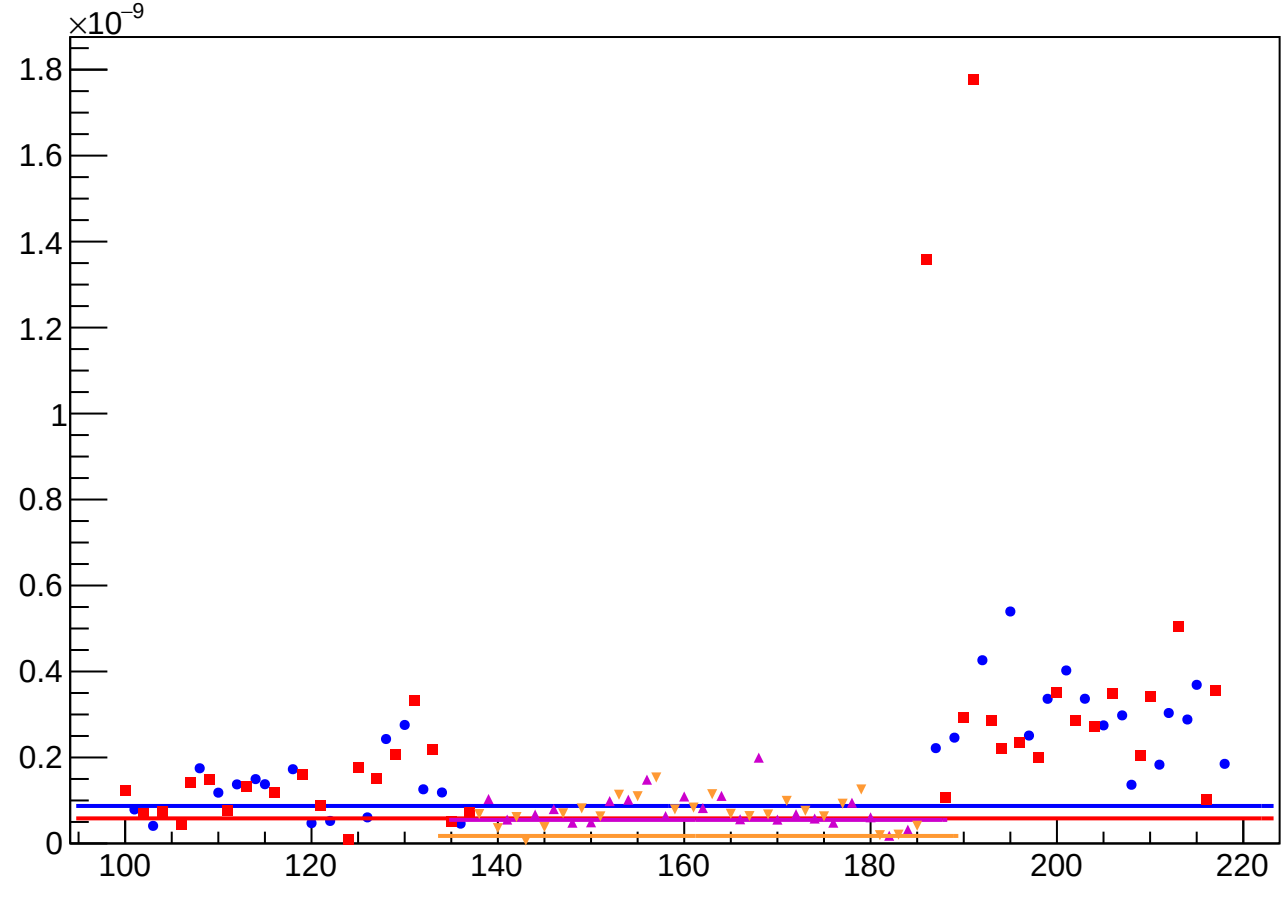
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 58.8/67

In: 0.000+/-0.000 χ^2/NDF:54.1/54

Out: -0.000+/-0.000 χ^2/NDF:54.4/60

All: -0.000+/-0.000 χ^2/NDF: 108.7/115



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: 10033443.4/35

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

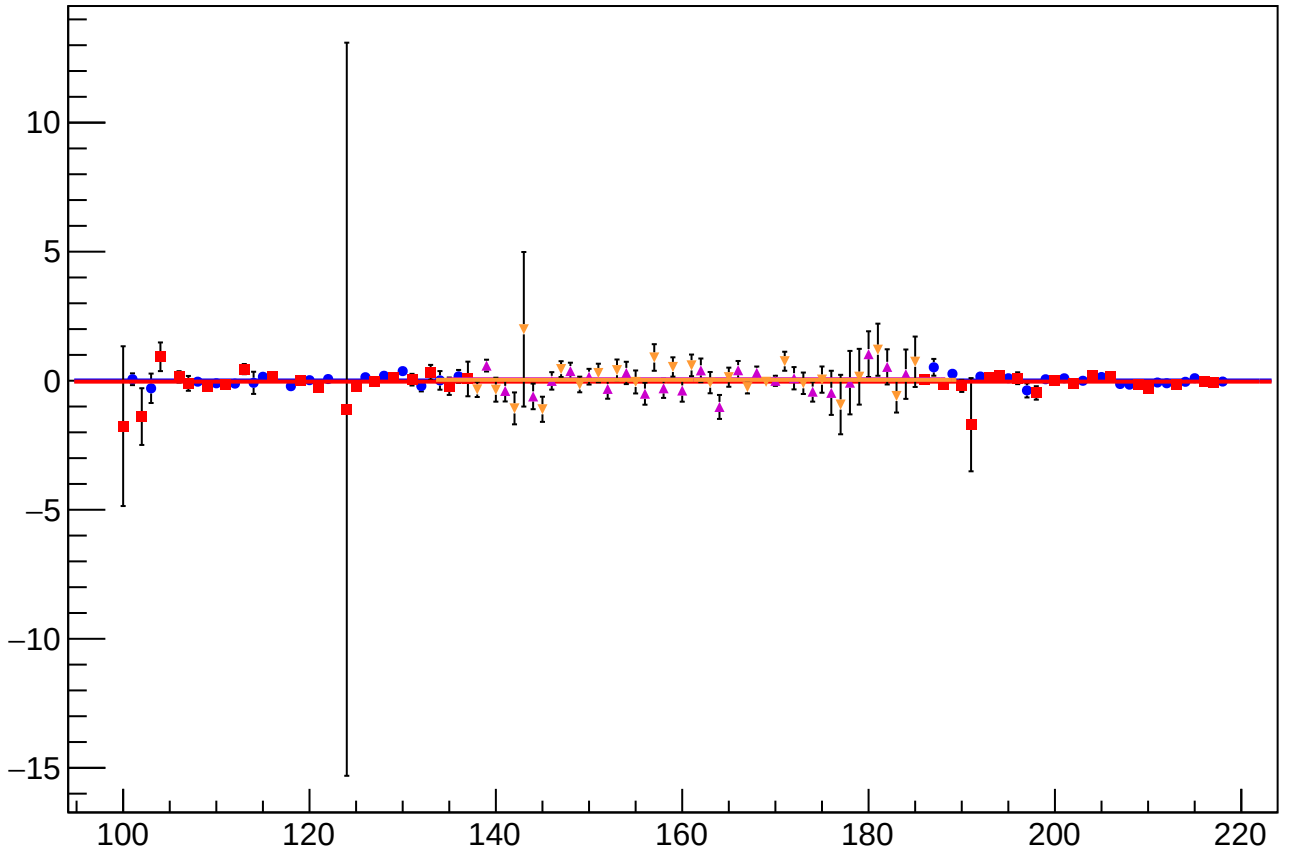
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 17907183.5/67

In: 0.000+/-0.000 χ^2/NDF:11006747.9/54

Out: 0.000+/-0.000 χ^2/NDF:21530173.5/60

All: 0.000+/-0.000 χ^2/NDF: 38790625.2/115



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: -0.036+/-0.028 χ^2/NDF: 41.5/35

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

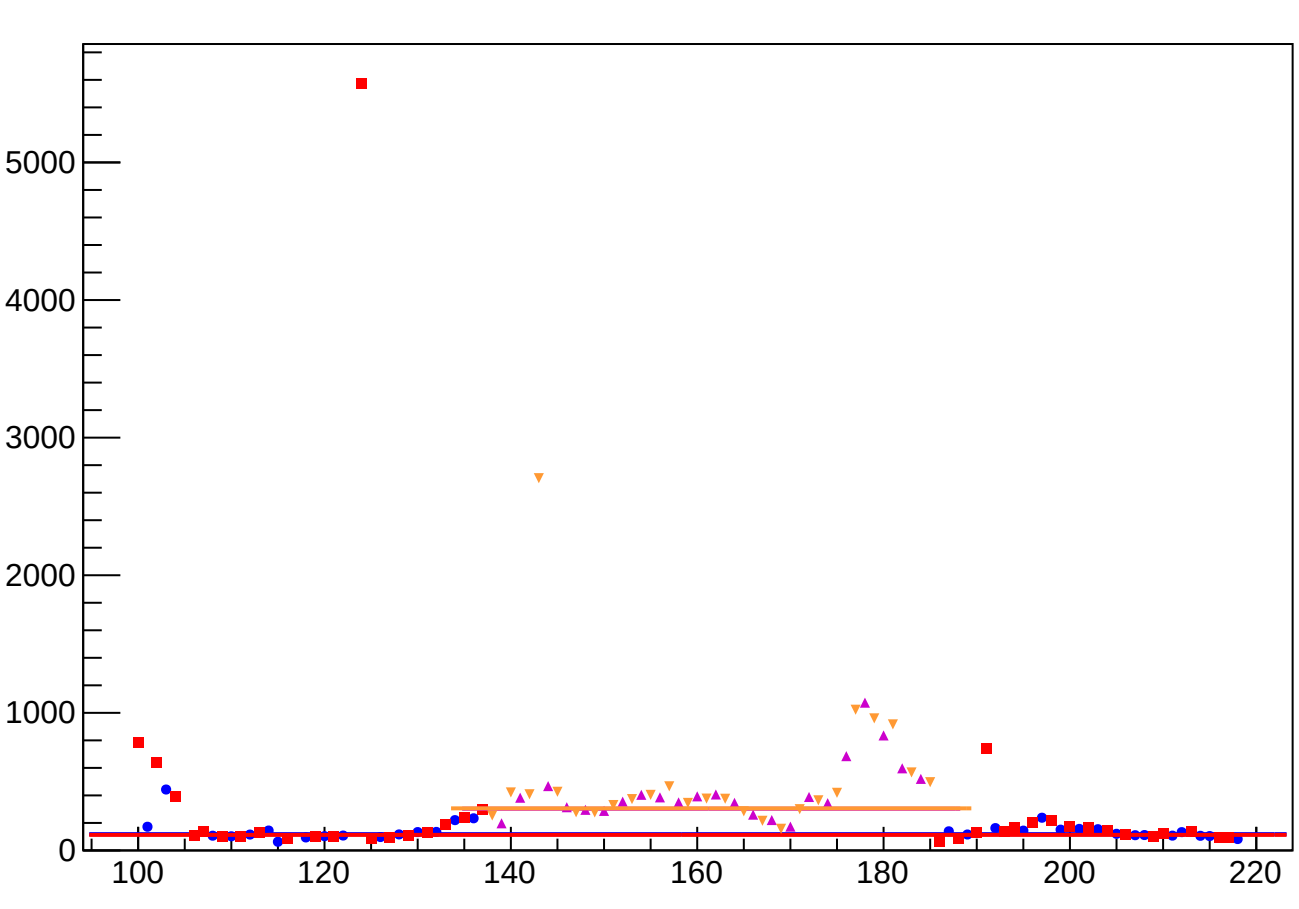
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.014+/-0.020 χ^2/NDF: 68.9/67

In: 0.015+/-0.027 χ^2/NDF:52.5/54

Out: -0.028+/-0.026 χ^2/NDF:72.6/60

All: -0.007+/-0.019 χ^2/NDF: 126.5/115



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: 113.193+/-0.020 χ^2/NDF: 4640823.2/35

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

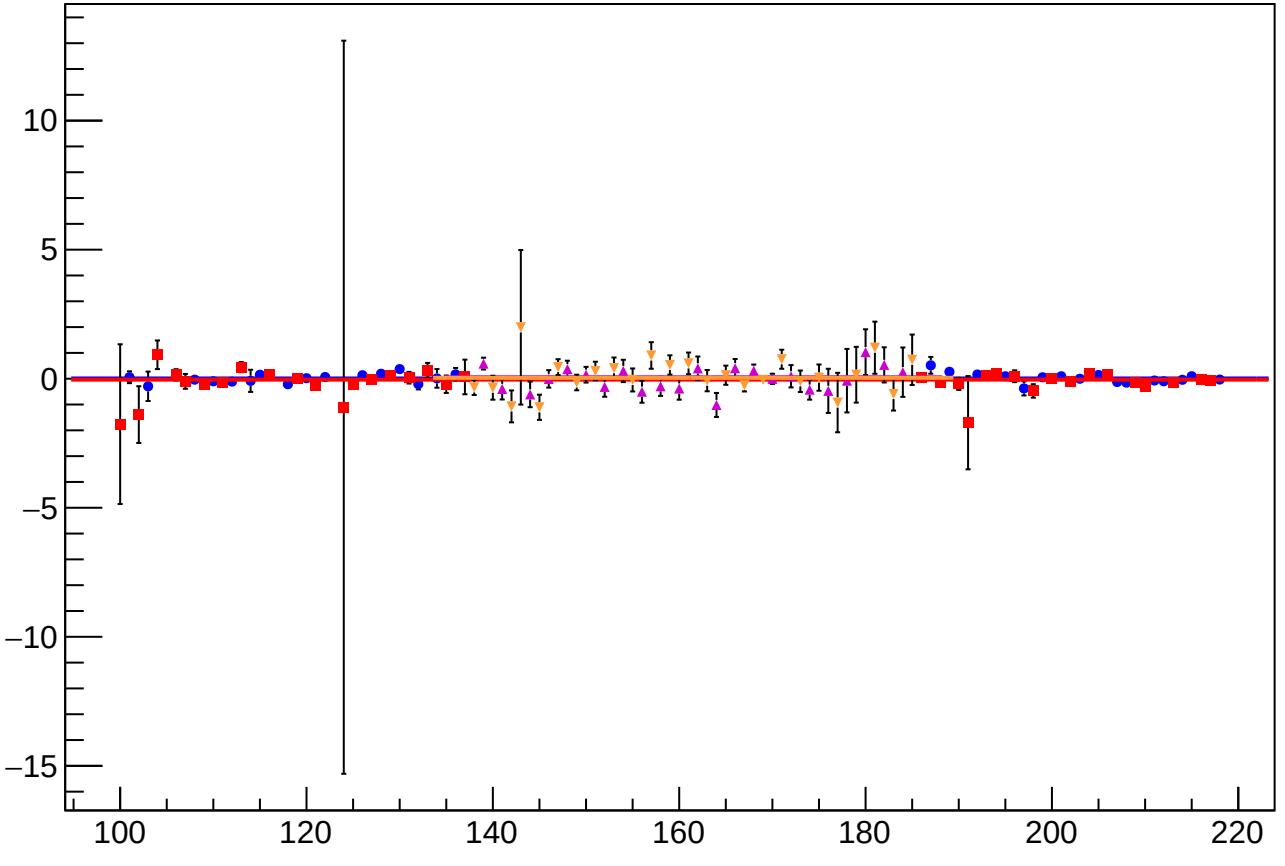
Right: 115.846+/-0.014 χ^2/NDF: 7654589.1/67

In: 140.381+/-0.019 χ^2/NDF:17856171.8/54

Out: 134.715+/-0.018 χ^2/NDF:22143647.2/60

All: 137.495+/-0.013 χ^2/NDF: 40046266.2/1

asym_atr1l2_dd_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: -0.036+/-0.028 χ^2/NDF: 41.5/35

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

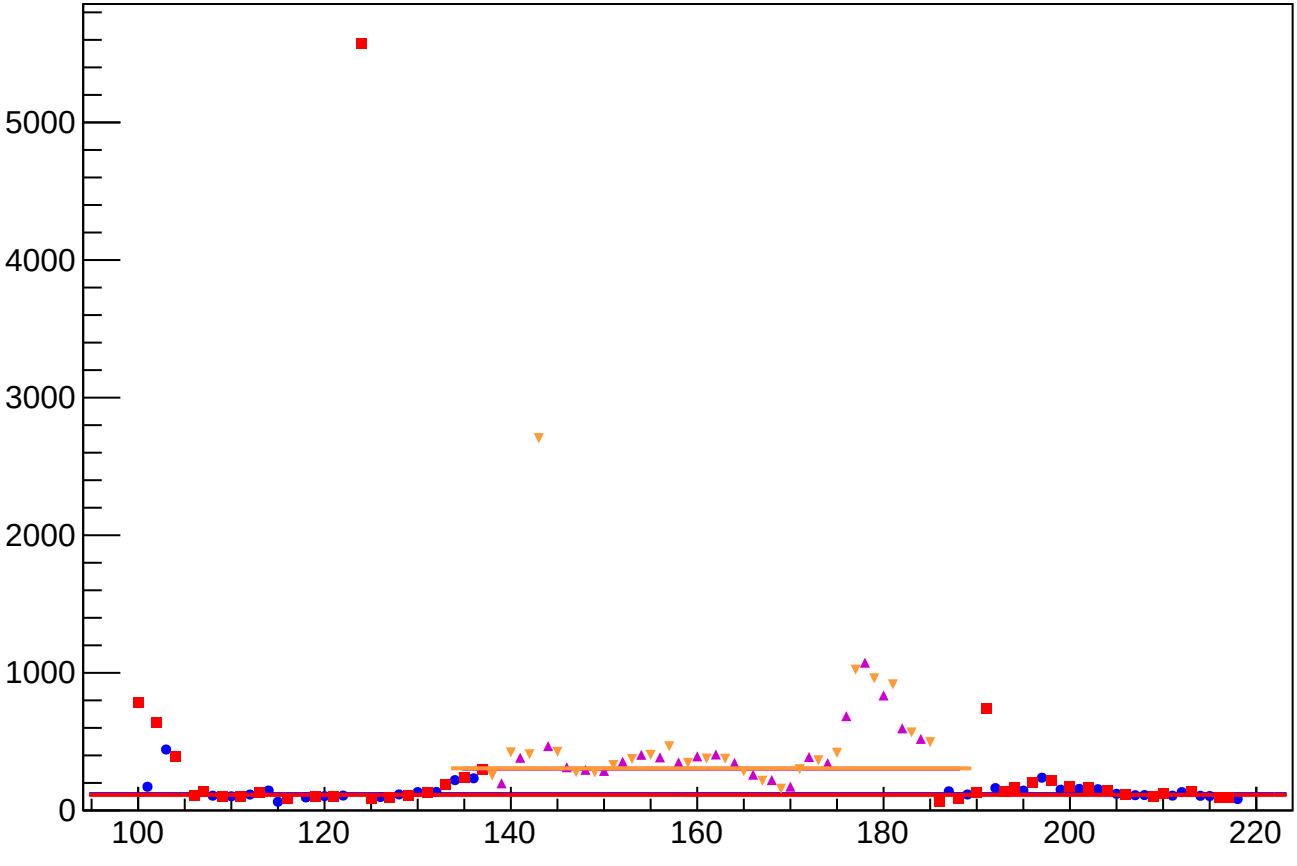
Right: -0.014+/-0.020 χ^2/NDF: 68.9/67

In: 0.015+/-0.027 χ^2/NDF:52.5/54

Out: -0.028+/-0.026 χ^2/NDF:72.6/60

All: -0.007+/-0.019 χ^2/NDF: 126.5/115

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: 113.193+/-0.020 χ^2/NDF: 4640823.2/35

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

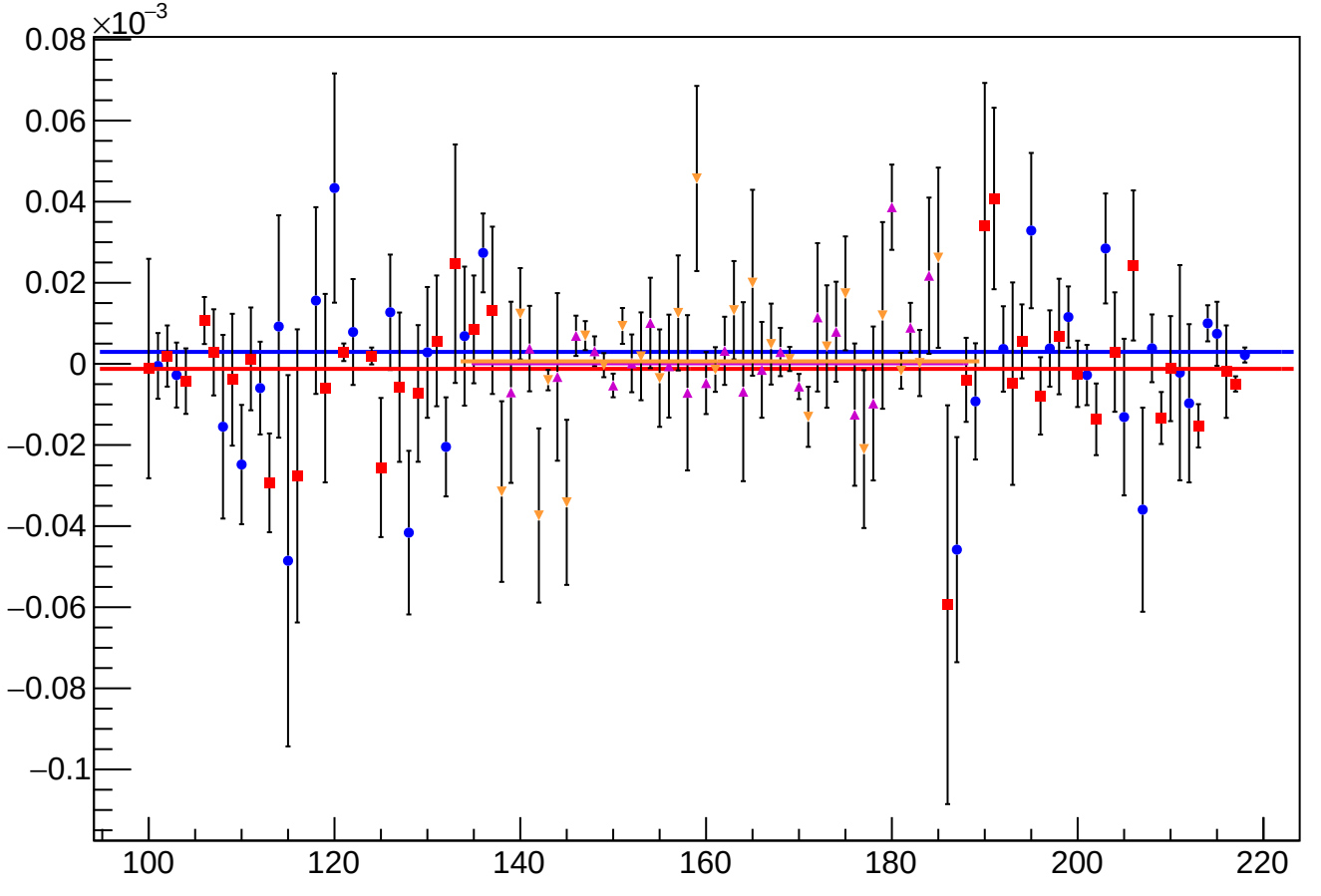
Right: 115.846+/-0.014 χ^2/NDF: 7654589.1/67

In: 140.381+/-0.019 χ^2/NDF:17856171.8/54

Out: 134.715+/-0.018 χ^2/NDF:22143647.2/60

All: 137.495+/-0.013 χ^2/NDF: 40046266.2/1

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 43.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.5/35

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

Left: 0.000+/-0.000 χ^2/NDF: 64.5/47

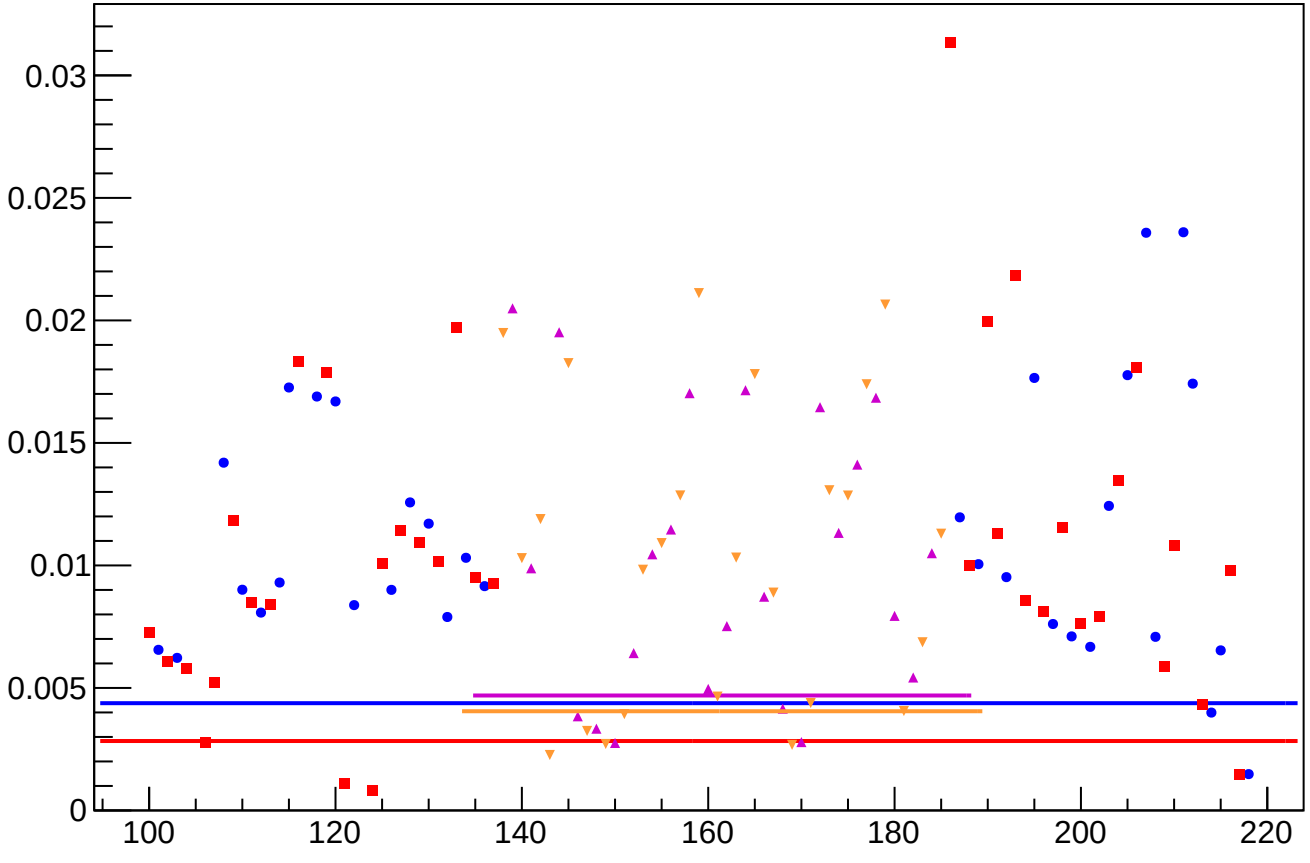
Right: 0.000+/-0.000 χ^2/NDF: 95.6/67

In: 0.000+/-0.000 χ^2/NDF:74.9/54

Out: -0.000+/-0.000 χ^2/NDF:82.5/60

All: 0.000+/-0.000 χ^2/NDF: 160.1/115

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 22207403.3/35

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

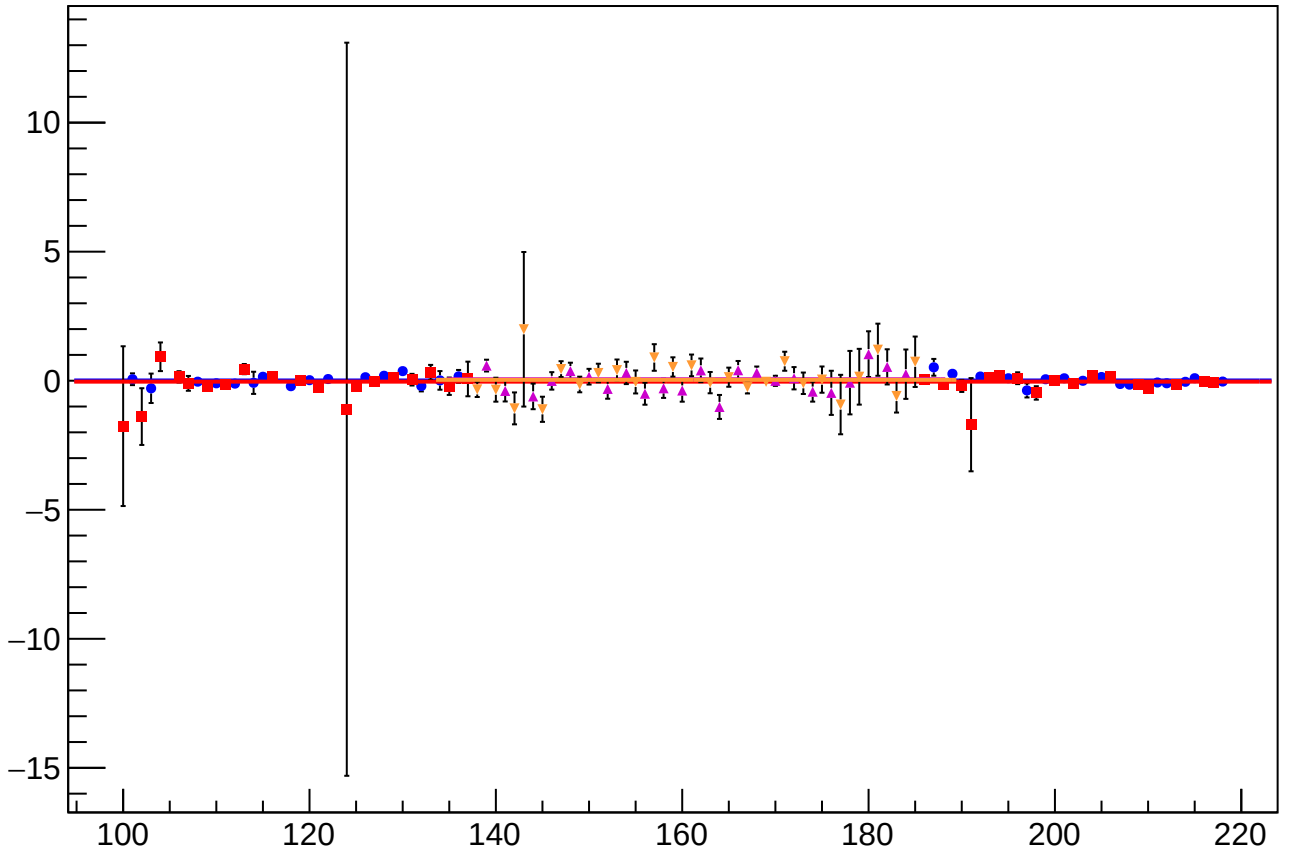
Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

Right: 0.003+/-0.000 χ^2/NDF: 40755015.0/67

In: 0.005+/-0.000 χ^2/NDF:27793630.5/54

Out: 0.003+/-0.000 χ^2/NDF:36974617.4/60

All: 0.004+/-0.000 χ^2/NDF: 66613456.6/115



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: -0.036+/-0.028 χ^2/NDF: 41.5/35

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

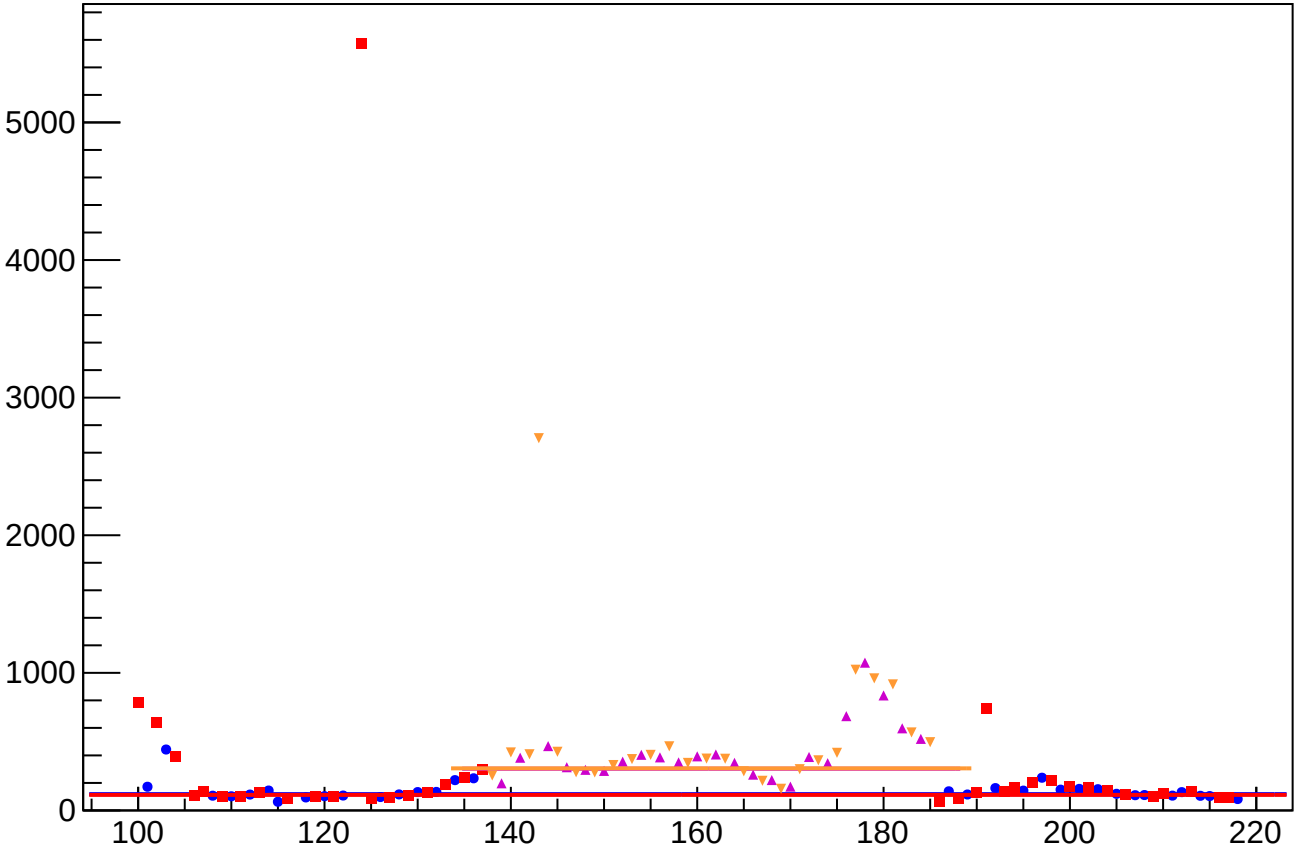
Right: -0.014+/-0.020 χ^2/NDF: 68.9/67

In: 0.015+/-0.027 χ^2/NDF:52.5/54

Out: -0.028+/-0.026 χ^2/NDF:72.6/60

All: -0.007+/-0.019 χ^2/NDF: 126.5/115

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: 113.194+/-0.020 χ^2/NDF: 4640683.6/35

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

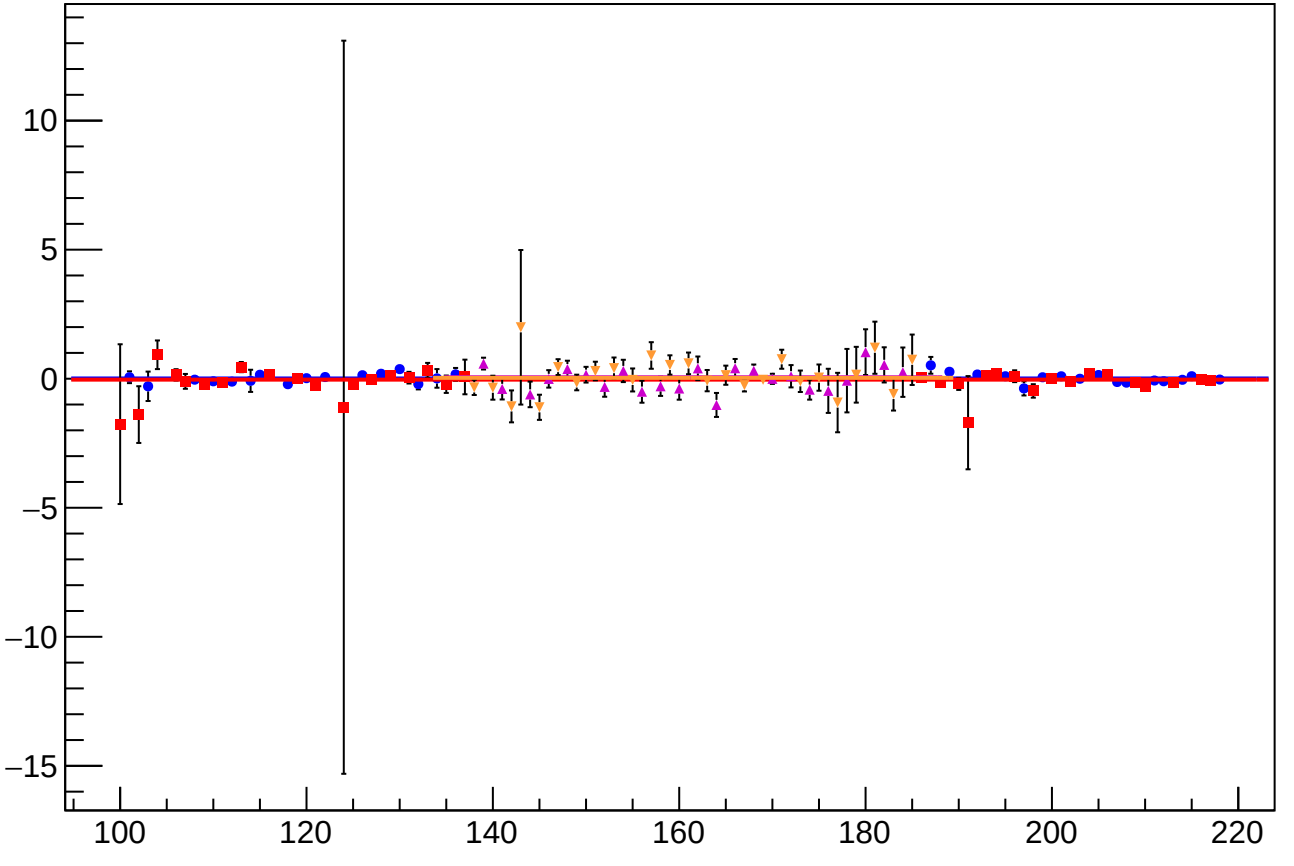
Right: 115.847+/-0.014 χ^2/NDF: 7654448.4/67

In: 140.382+/-0.019 χ^2/NDF:17856199.0/54

Out: 134.716+/-0.018 χ^2/NDF:22143538.4/60

All: 137.496+/-0.013 χ^2/NDF: 40046185.8/11

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: -0.036+/-0.028 χ^2/NDF: 41.5/35

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

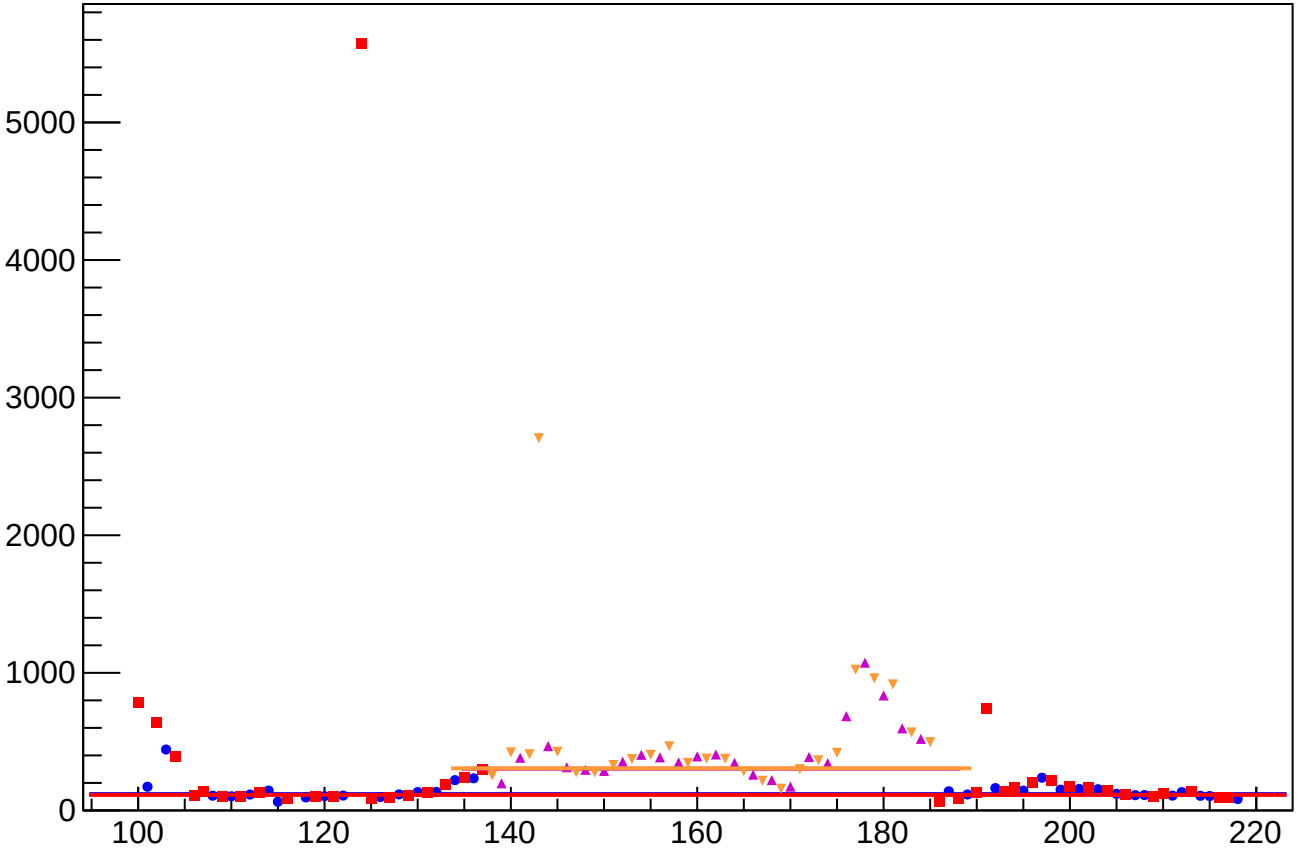
Right: -0.014+/-0.020 χ^2/NDF: 68.9/67

In: 0.015+/-0.027 χ^2/NDF:52.5/54

Out: -0.028+/-0.026 χ^2/NDF:72.6/60

All: -0.007+/-0.019 χ^2/NDF: 126.5/115

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: 113.194+/-0.020 χ^2/NDF: 4640683.6/35

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

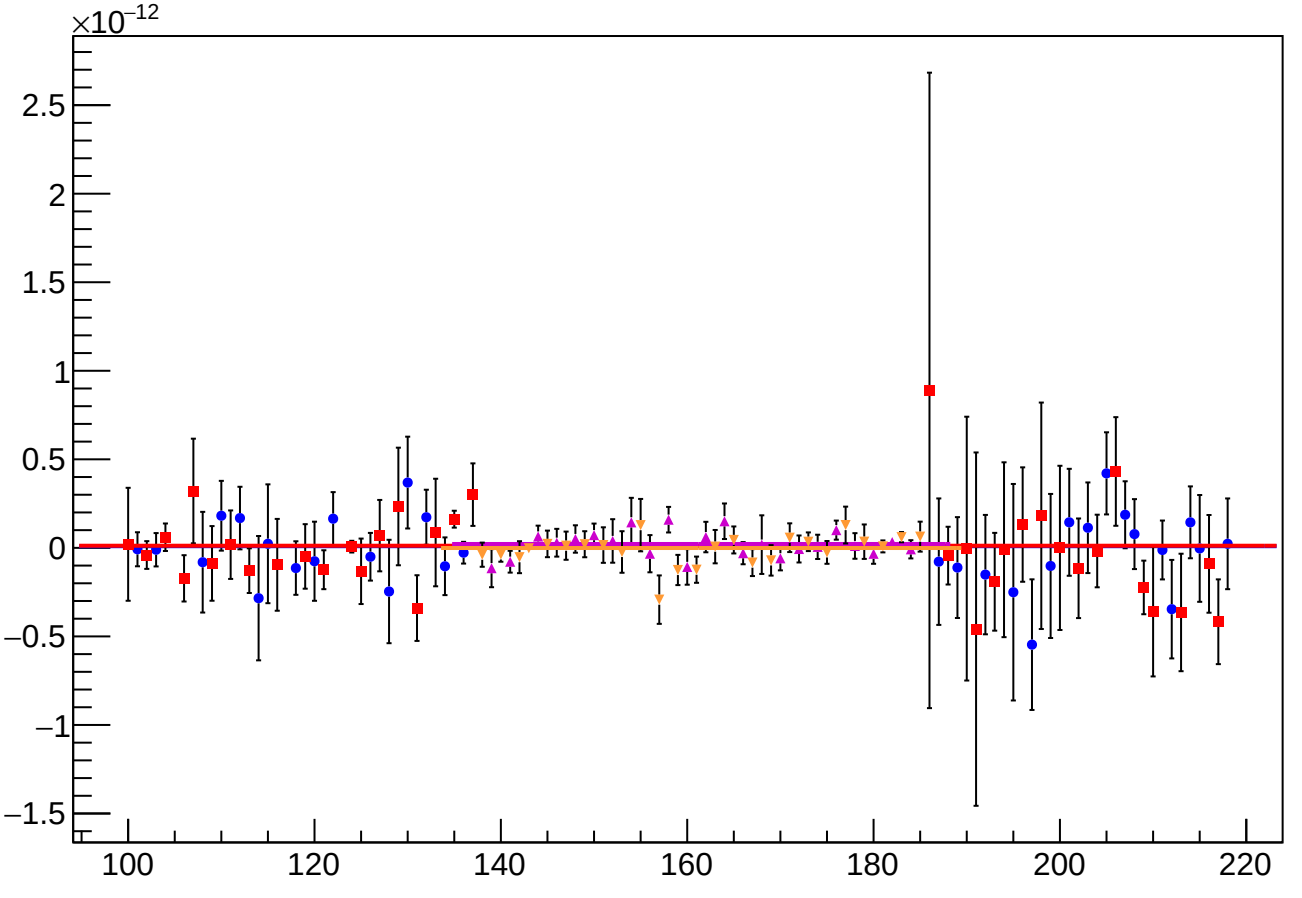
Right: 115.847+/-0.014 χ^2/NDF: 7654448.4/67

In: 140.382+/-0.019 χ^2/NDF:17856199.0/54

Out: 134.716+/-0.018 χ^2/NDF:22143538.4/60

All: 137.496+/-0.013 χ^2/NDF: 40046185.8/11

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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: 36.1/35

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

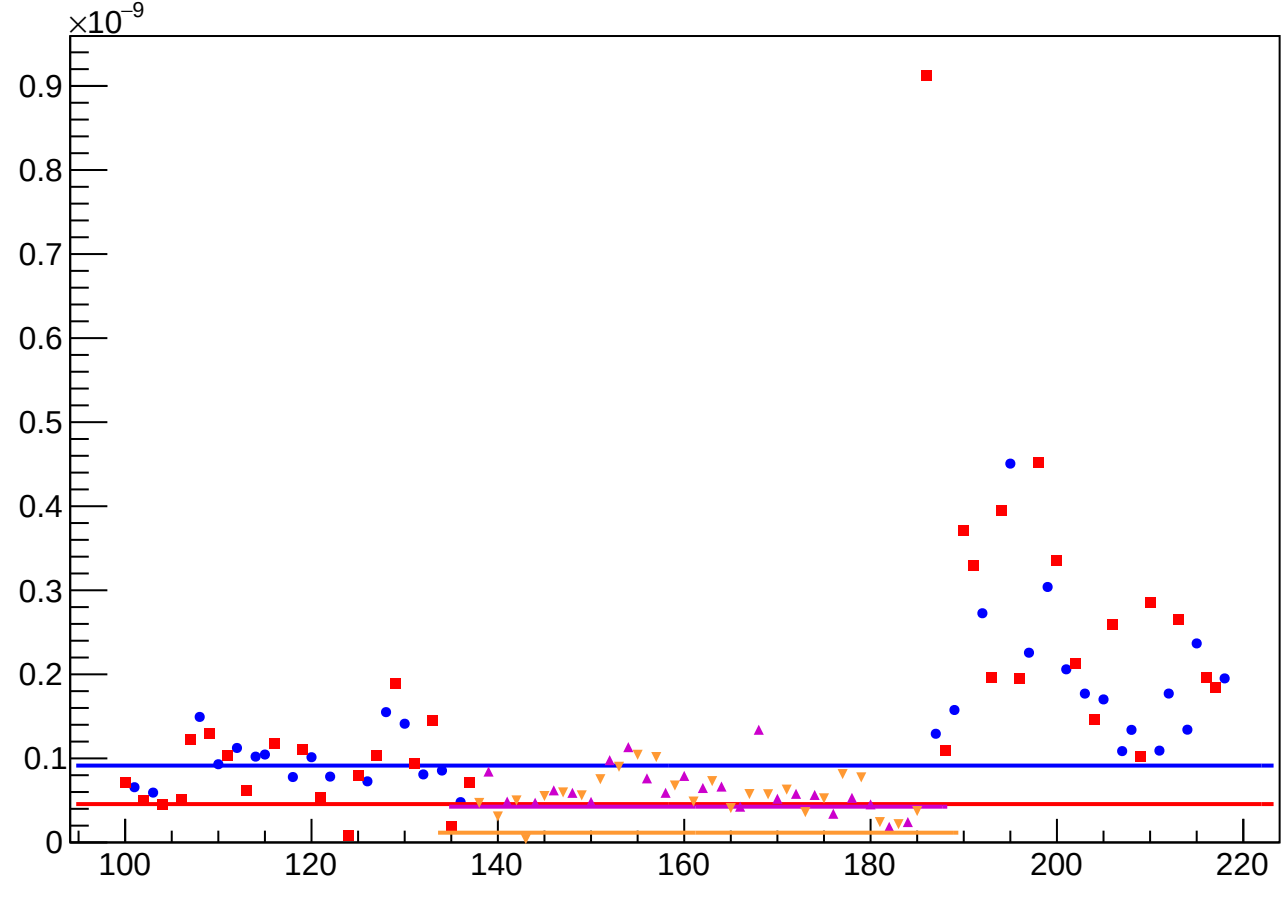
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 54.9/67

In: 0.000+/-0.000 χ^2/NDF:38.5/54

Out: 0.000+/-0.000 χ^2/NDF:58.5/60

All: 0.000+/-0.000 χ^2/NDF: 99.1/115



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: 15584765.6/35

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

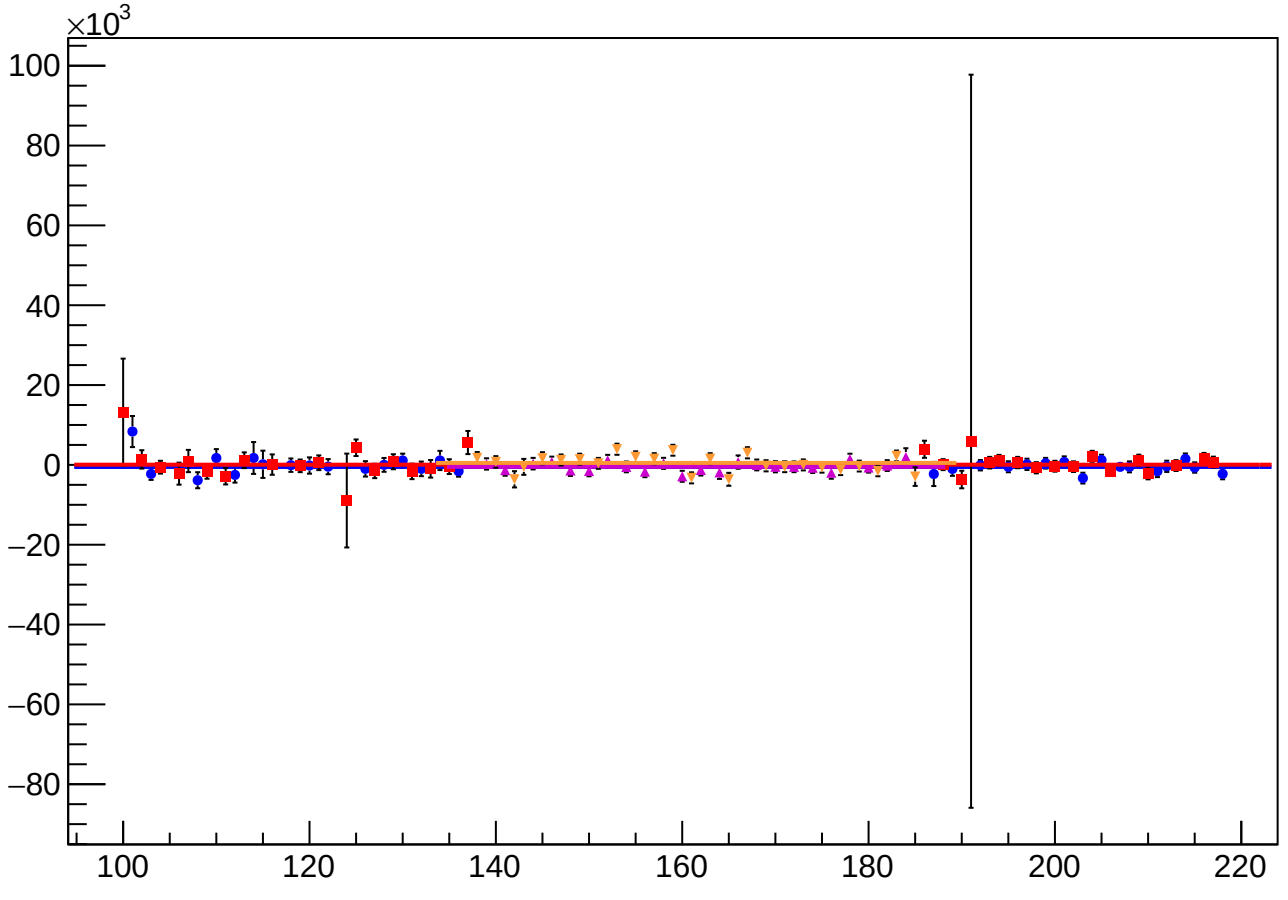
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 24607451.0/67

In: 0.000+/-0.000 χ^2/NDF:15689546.6/54

Out: 0.000+/-0.000 χ^2/NDF:38481511.3/60

All: 0.000+/-0.000 χ^2/NDF: 68759727.0/115



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: 49.443+/-288.010 χ^2/NDF: 32.5/35

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

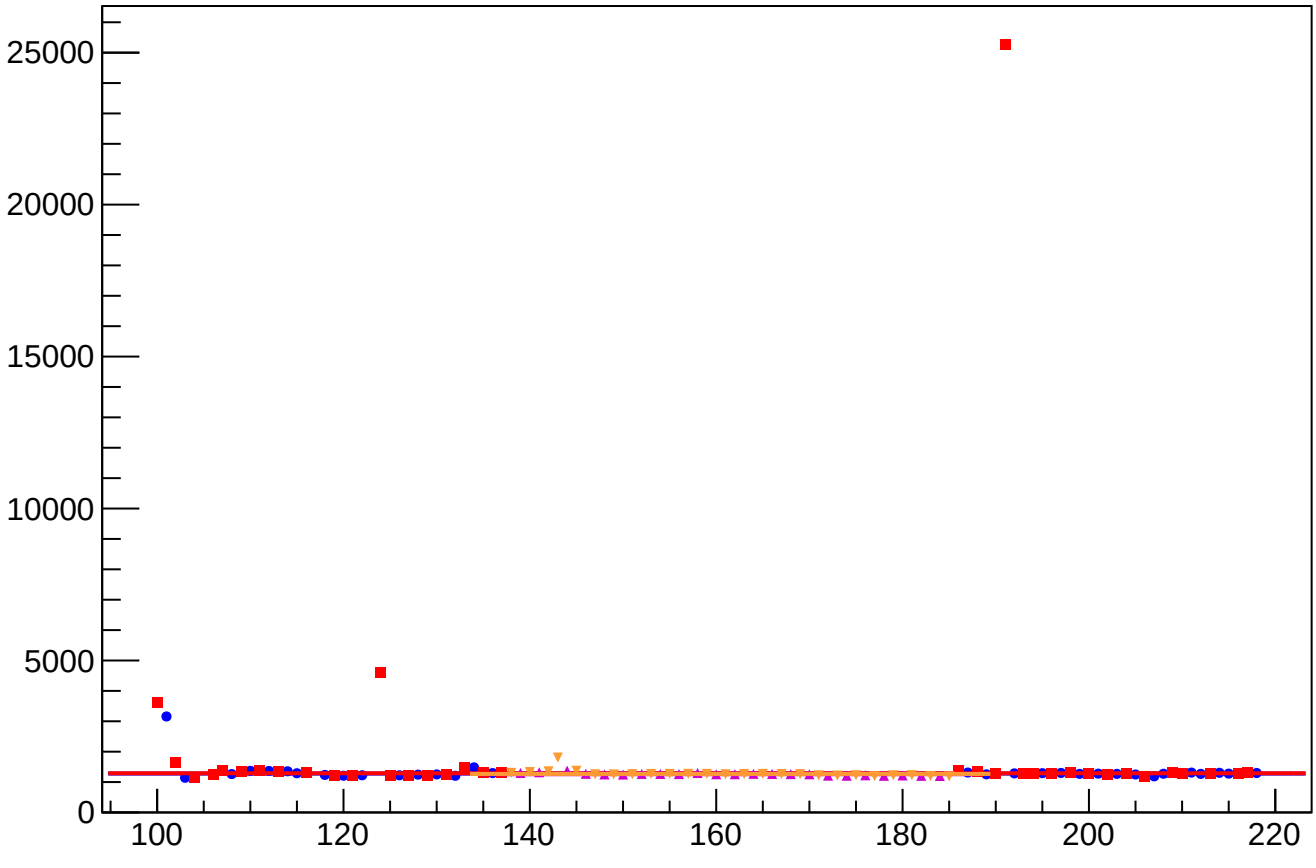
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -236.091+/-203.175 χ^2/NDF: 60.6/67

In: -503.282+/-205.167 χ^2/NDF:40.6/54

Out: 270.380+/-203.825 χ^2/NDF:80.5/60

All: -113.913+/-144.598 χ^2/NDF: 128.3/115



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: 1289.146+/-0.203 χ^2/NDF: 483324.7/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

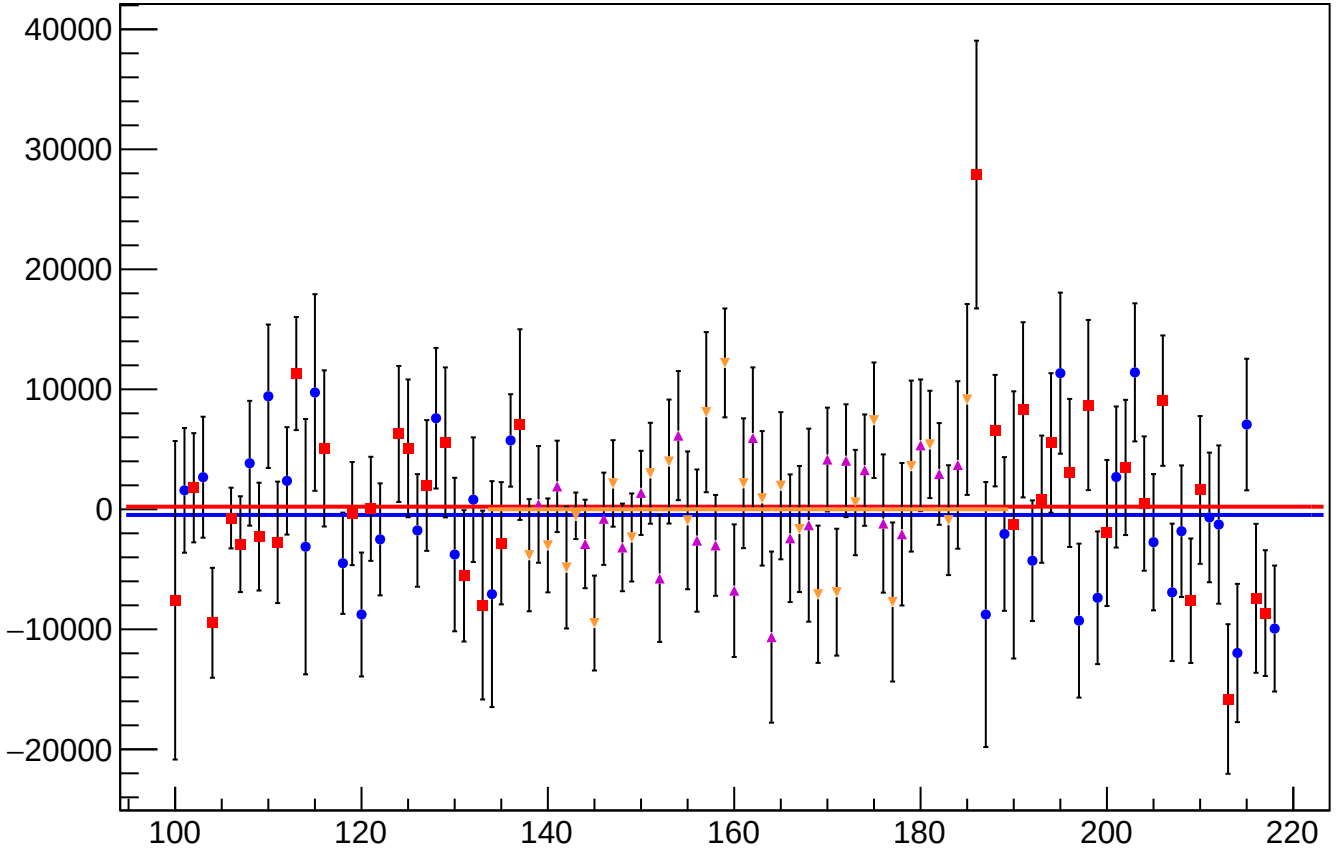
Right: 1284.315+/-0.144 χ^2/NDF: 1015066.1/67

In: 1268.805+/-0.145 χ^2/NDF:573163.6/54

Out: 1278.086+/-0.144 χ^2/NDF:676795.6/60

All: 1273.478+/-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: 219.445+/-884.354 χ^2/NDF: 46.6/35

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

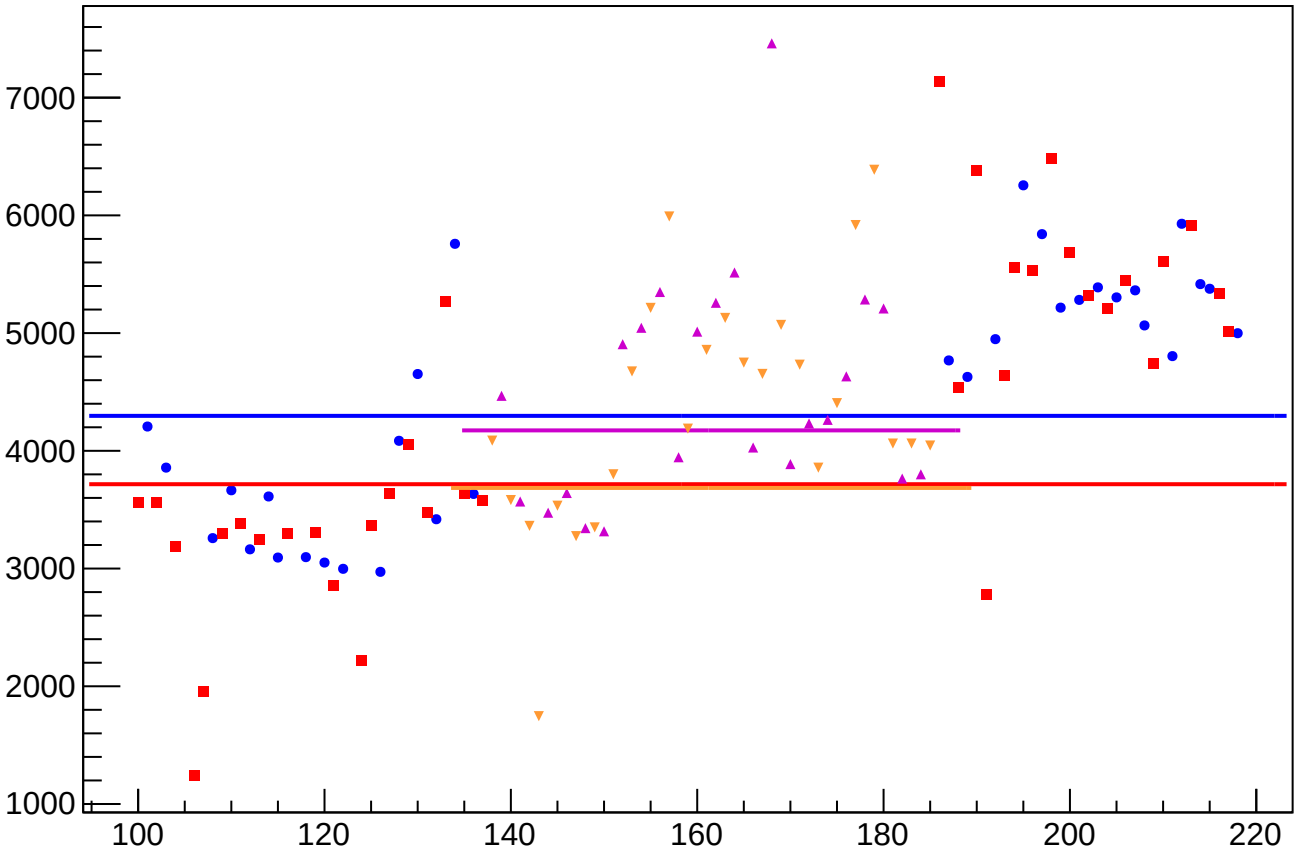
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: -87.605+/-657.909 χ^2/NDF: 84.9/67

In: -221.013+/-699.963 χ^2/NDF:52.1/54

Out: 109.686+/-626.086 χ^2/NDF:75.7/60

All: -37.297+/-466.650 χ^2/NDF: 128.0/115



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: 3716.449+/-0.625 χ^2/NDF: 5350706.1/35

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

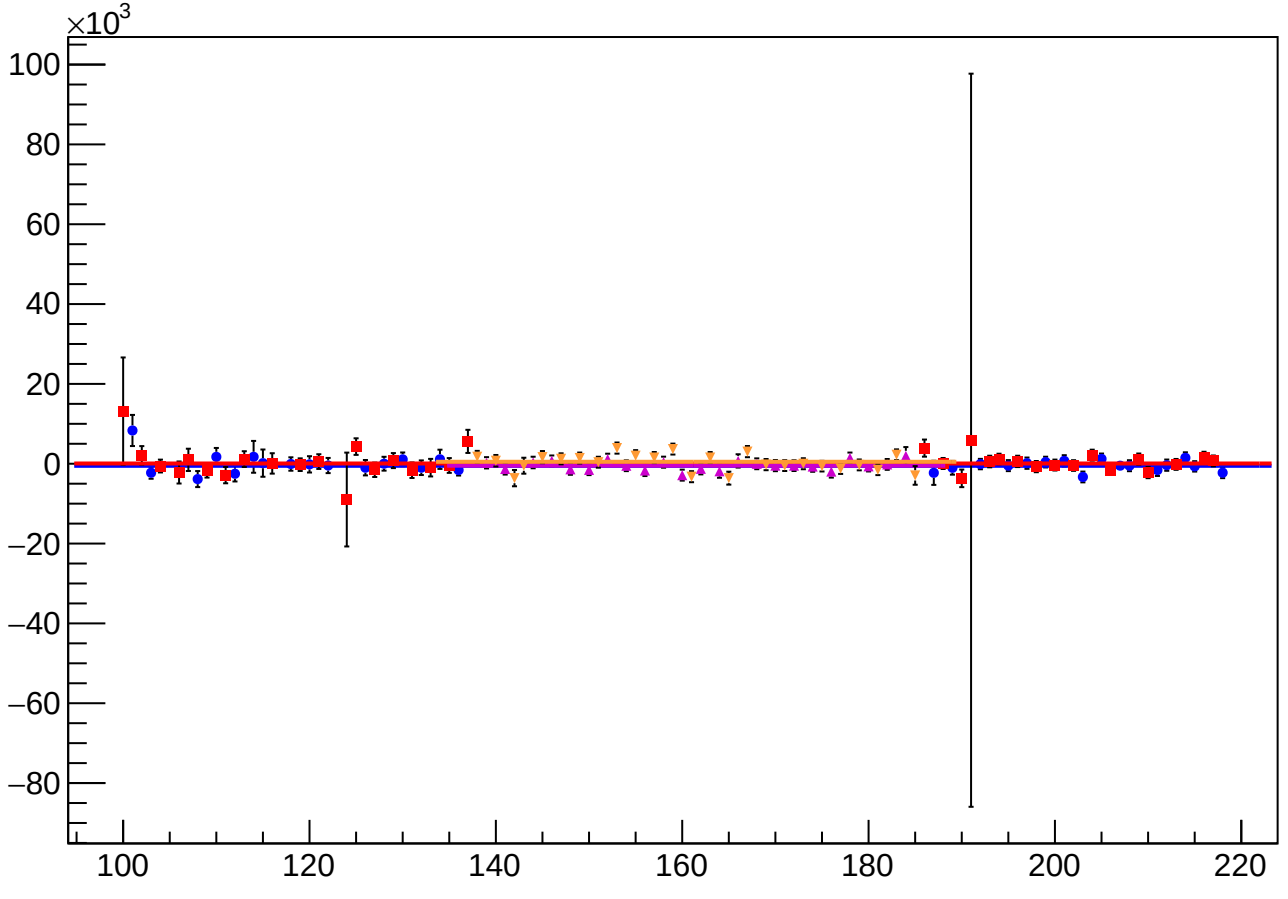
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3975.706+/-0.465 χ^2/NDF: 7811985.2/67

In: 4235.966+/-0.495 χ^2/NDF:3366885.3/54

Out: 3700.647+/-0.443 χ^2/NDF:9045633.0/60

All: 3938.575+/-0.330 χ^2/NDF: 13062379.5/



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: 59.595+/-288.077 χ^2/NDF: 32.9/35

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

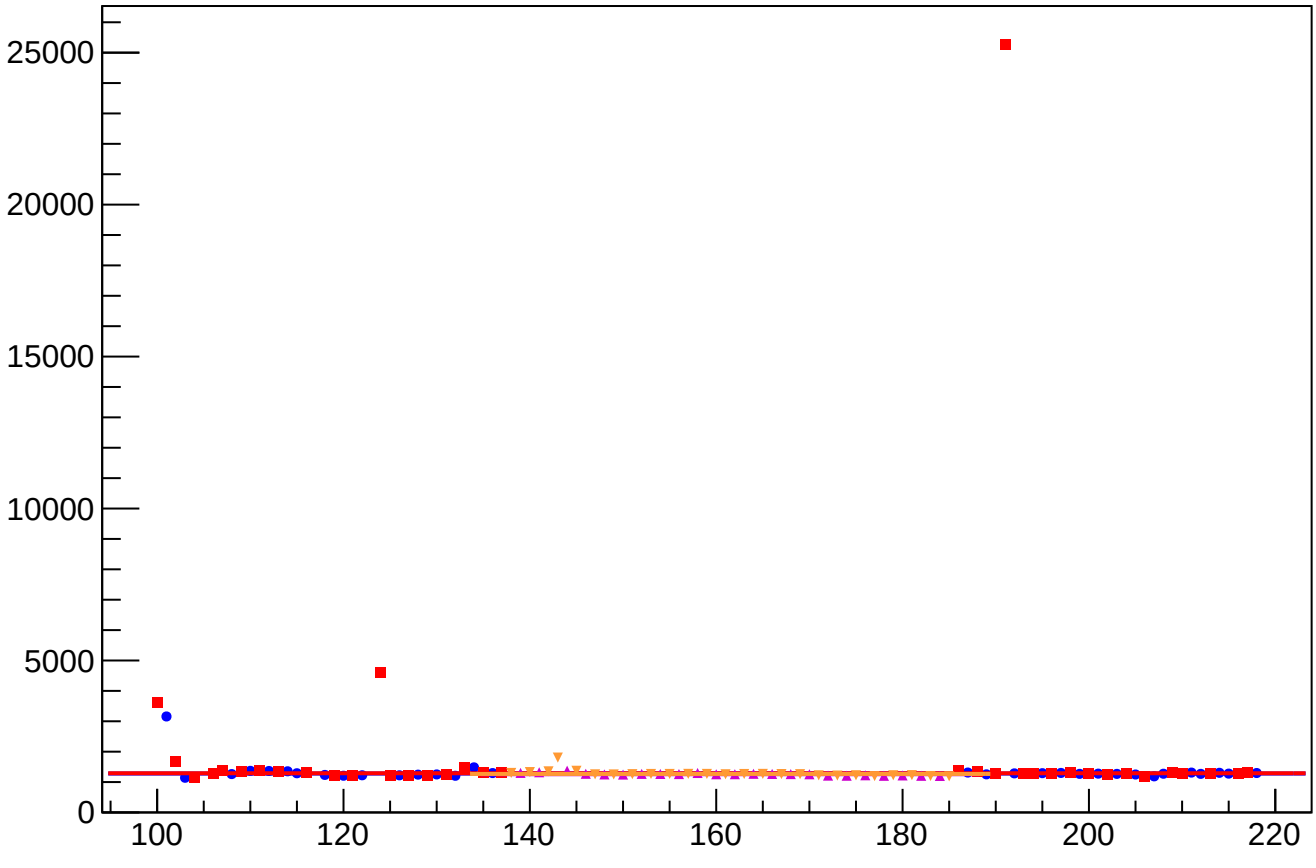
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -231.169+/-203.199 χ^2/NDF: 61.1/67

In: -503.297+/-205.167 χ^2/NDF:40.6/54

Out: 275.523+/-203.849 χ^2/NDF:80.9/60

All: -111.377+/-144.607 χ^2/NDF: 128.7/115



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: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

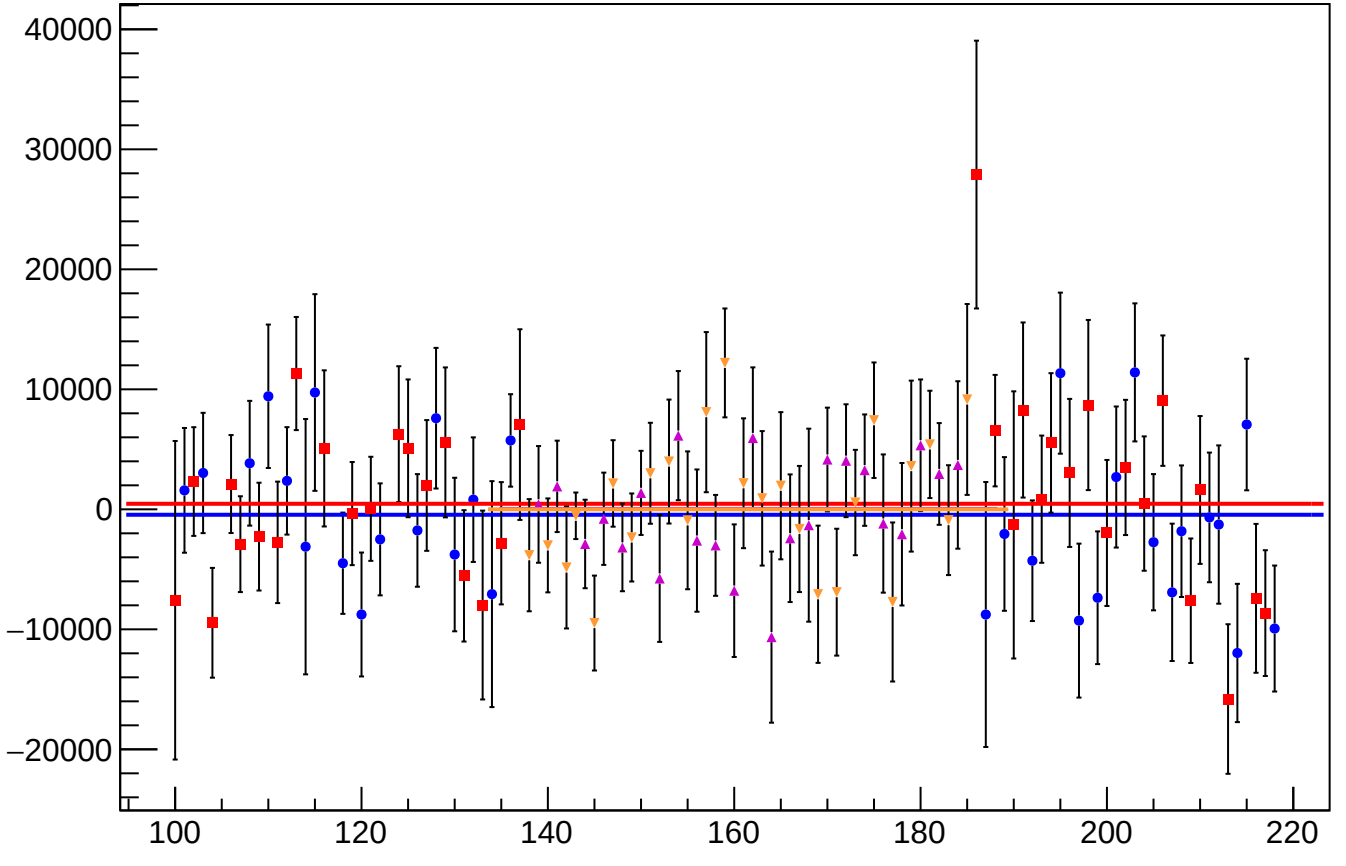
Right: 1284.660+/-0.144 χ^2/NDF: 1022114.5/67

In: 1268.805+/-0.145 χ^2/NDF:573165.0/54

Out: 1278.430+/-0.144 χ^2/NDF:684050.3/60

All: 1273.650+/-0.102 χ^2/NDF: 1259431.3/11

asym_atl_dd_atr_dd_avg_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: 461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

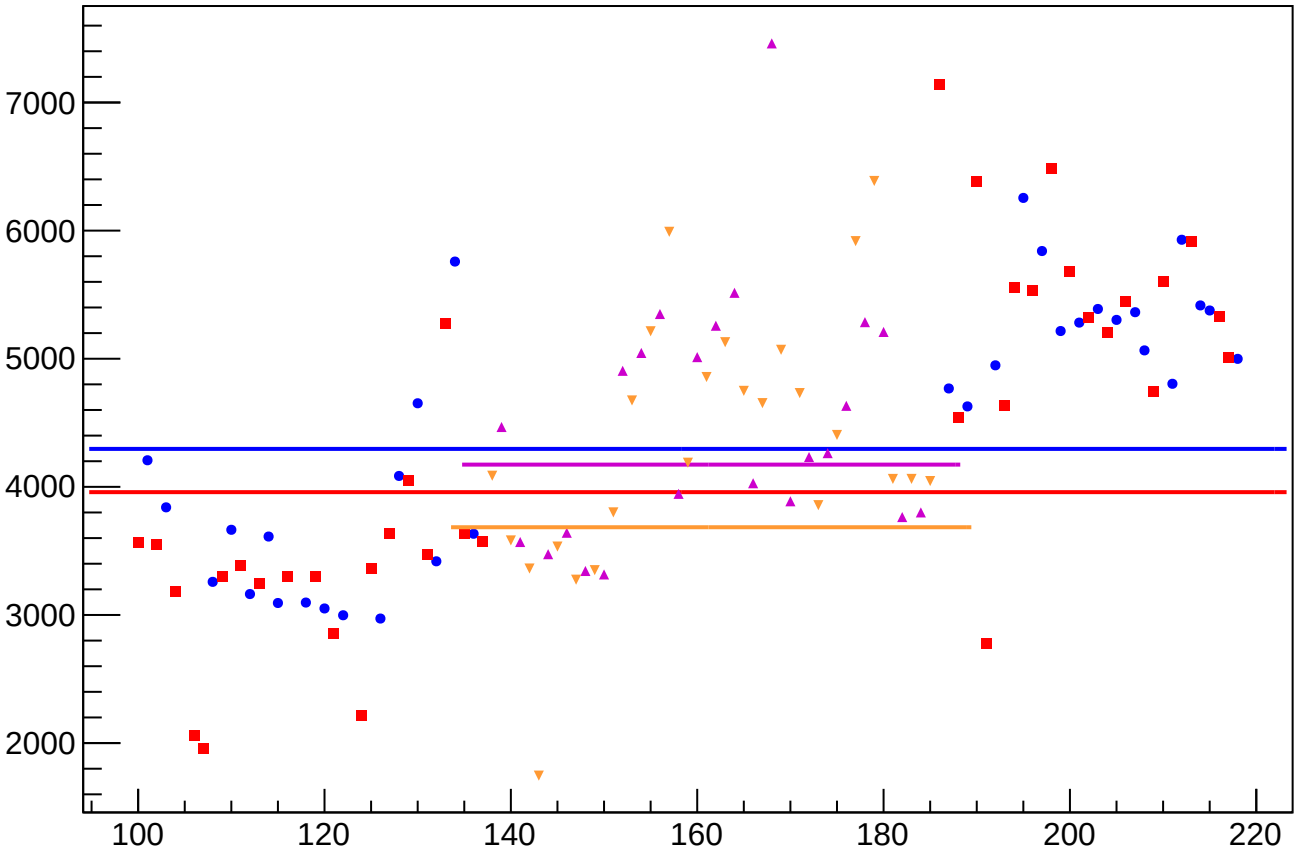
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 35.149+/-671.914 χ^2/NDF: 85.3/67

In: -213.635+/-699.895 χ^2/NDF:52.2/54

Out: 222.030+/-638.169 χ^2/NDF:75.9/60

All: 24.252+/-471.569 χ^2/NDF: 128.4/115



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: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

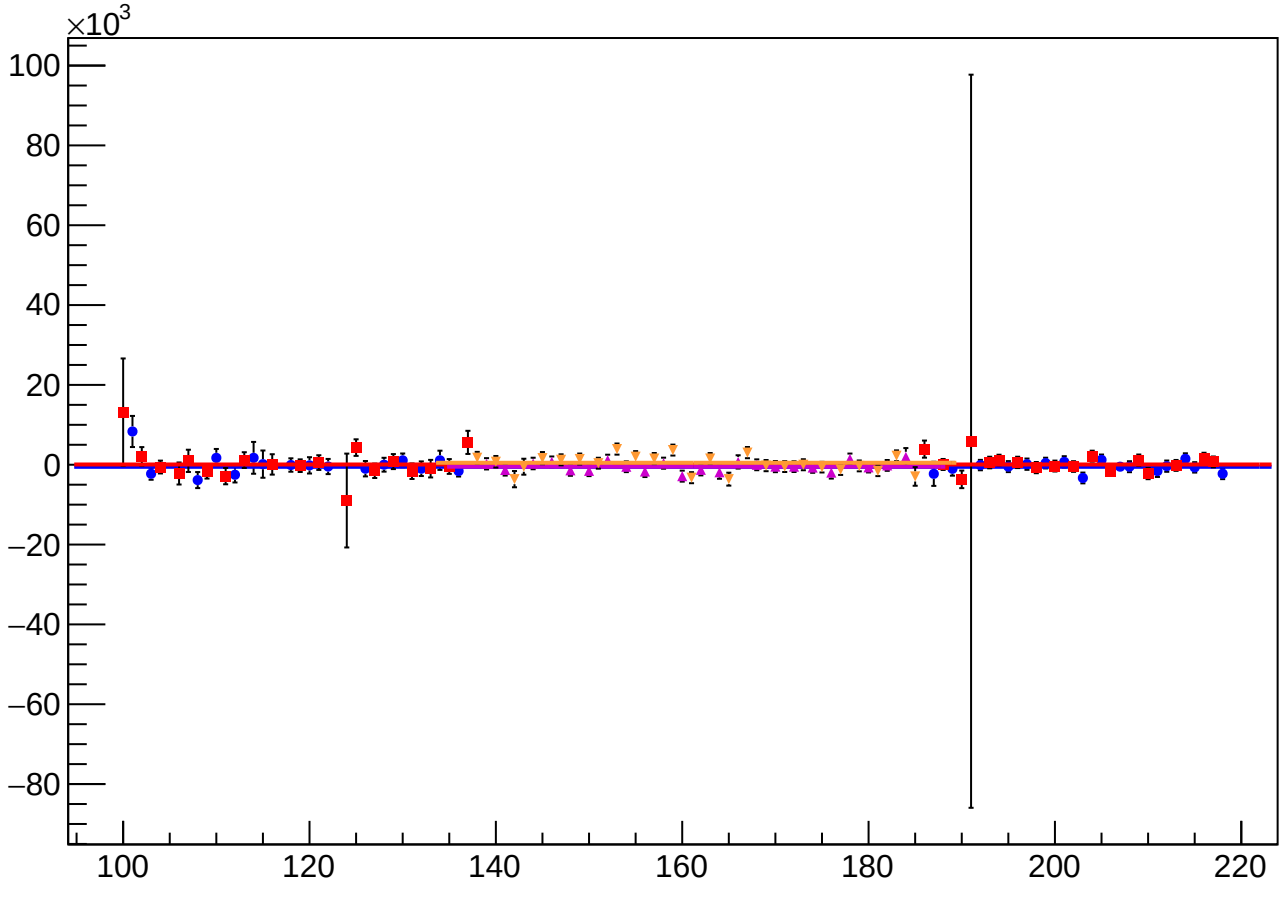
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4115.932+/-0.475 χ^2/NDF: 5830393.8/67

In: 4235.568+/-0.495 χ^2/NDF:3368069.4/54

Out: 3816.706+/-0.451 χ^2/NDF:7412674.7/60

All: 4006.855+/-0.333 χ^2/NDF: 11171878.2/1



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: 59.595+/-288.077 χ^2/NDF: 32.9/35

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

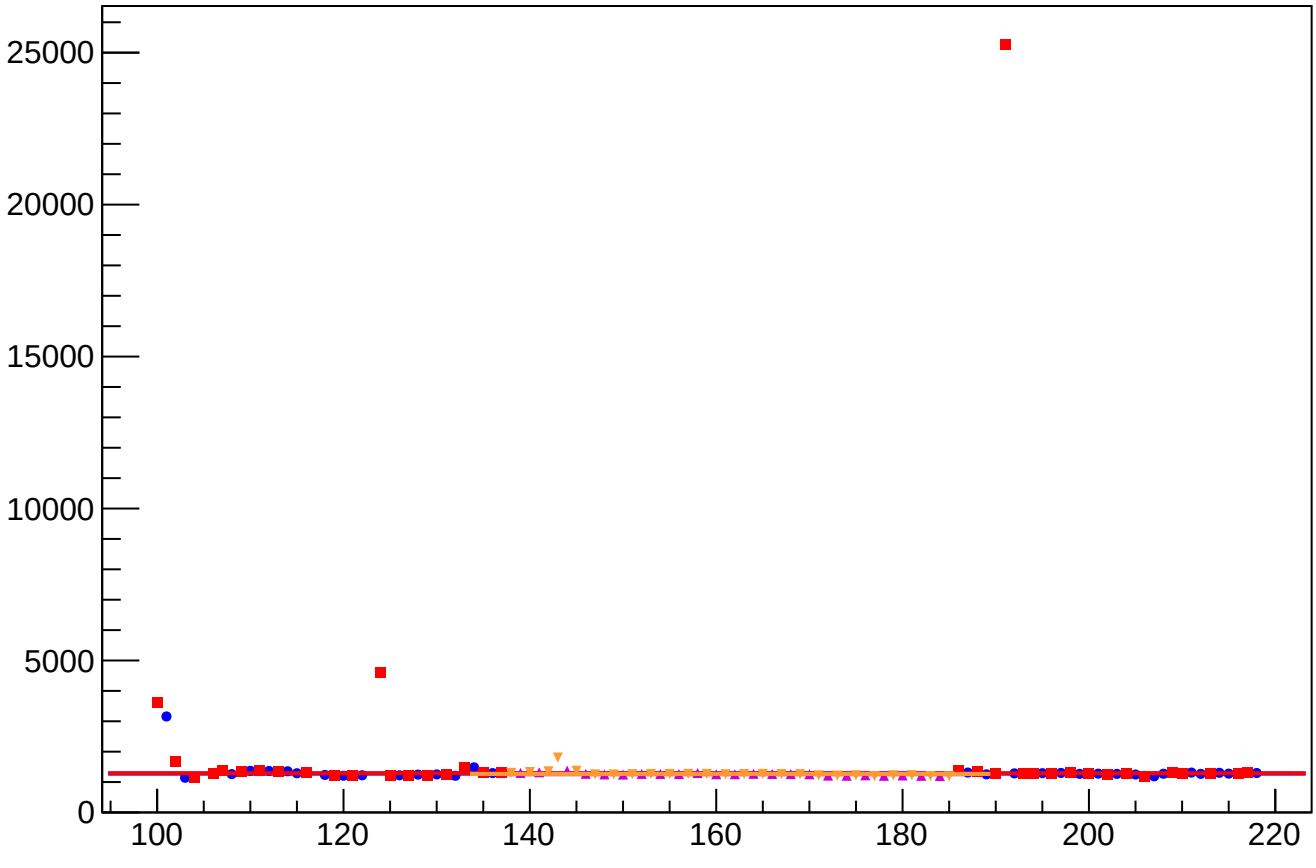
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -231.169+/-203.199 χ^2/NDF: 61.1/67

In: -503.297+/-205.167 χ^2/NDF:40.6/54

Out: 275.523+/-203.849 χ^2/NDF:80.9/60

All: -111.377+/-144.607 χ^2/NDF: 128.7/115



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: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

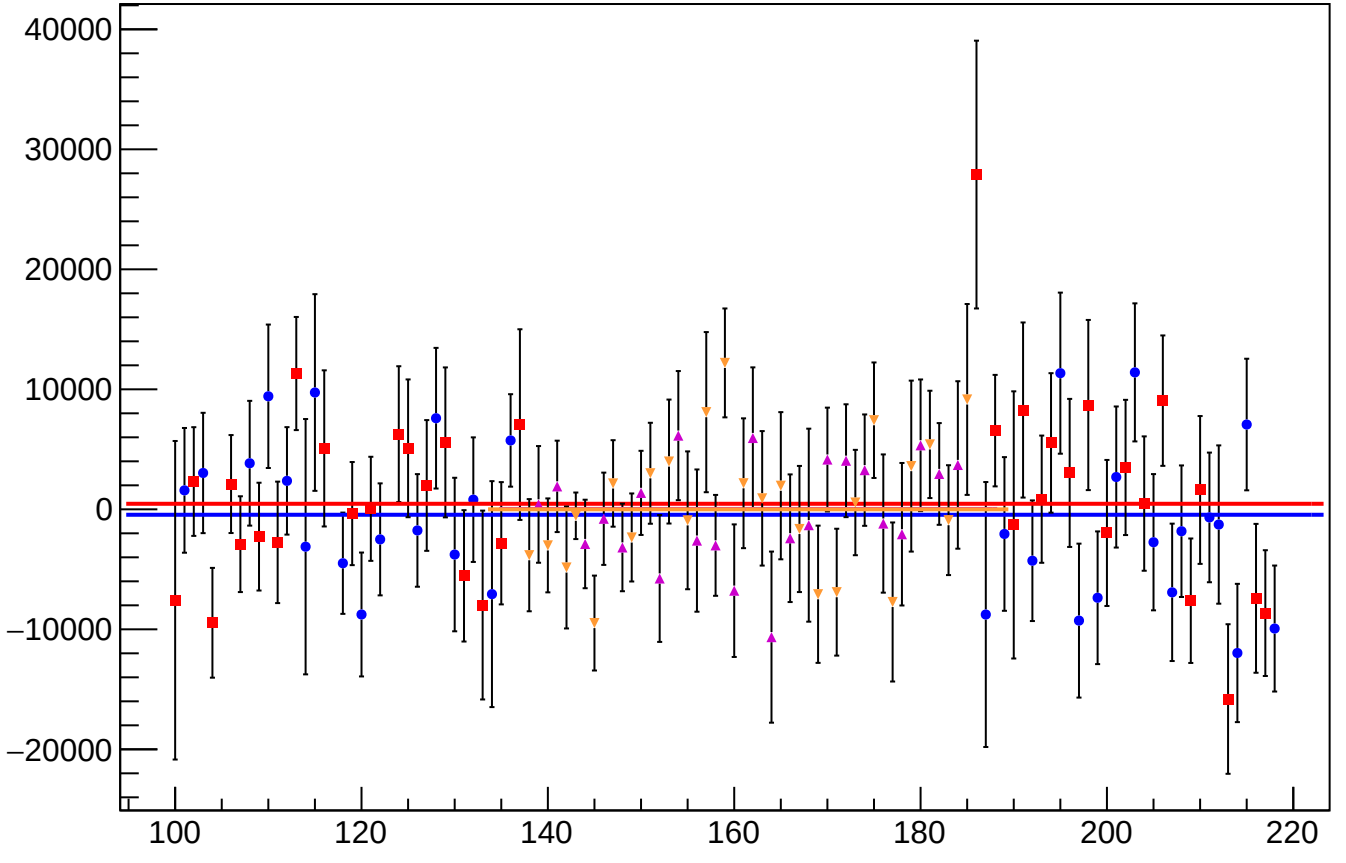
Right: 1284.660+/-0.144 χ^2/NDF: 1022114.5/67

In: 1268.805+/-0.145 χ^2/NDF:573165.0/54

Out: 1278.430+/-0.144 χ^2/NDF:684050.3/60

All: 1273.650+/-0.102 χ^2/NDF: 1259431.3/11

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: 461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

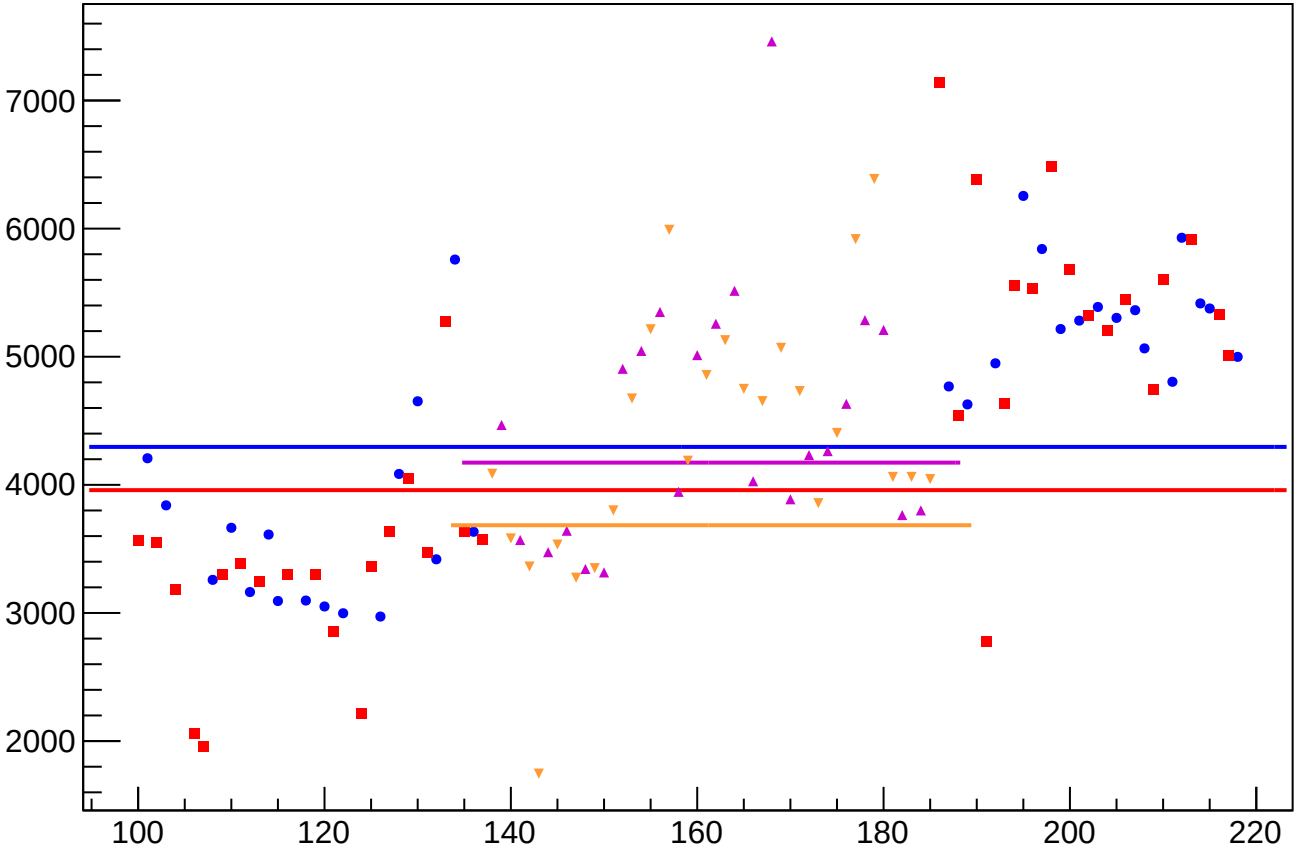
Right: 35.149+/-671.914 χ^2/NDF: 85.3/67

In: -213.635+/-699.895 χ^2/NDF:52.2/54

Out: 222.030+/-638.169 χ^2/NDF:75.9/60

All: 24.252+/-471.569 χ^2/NDF: 128.4/115

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

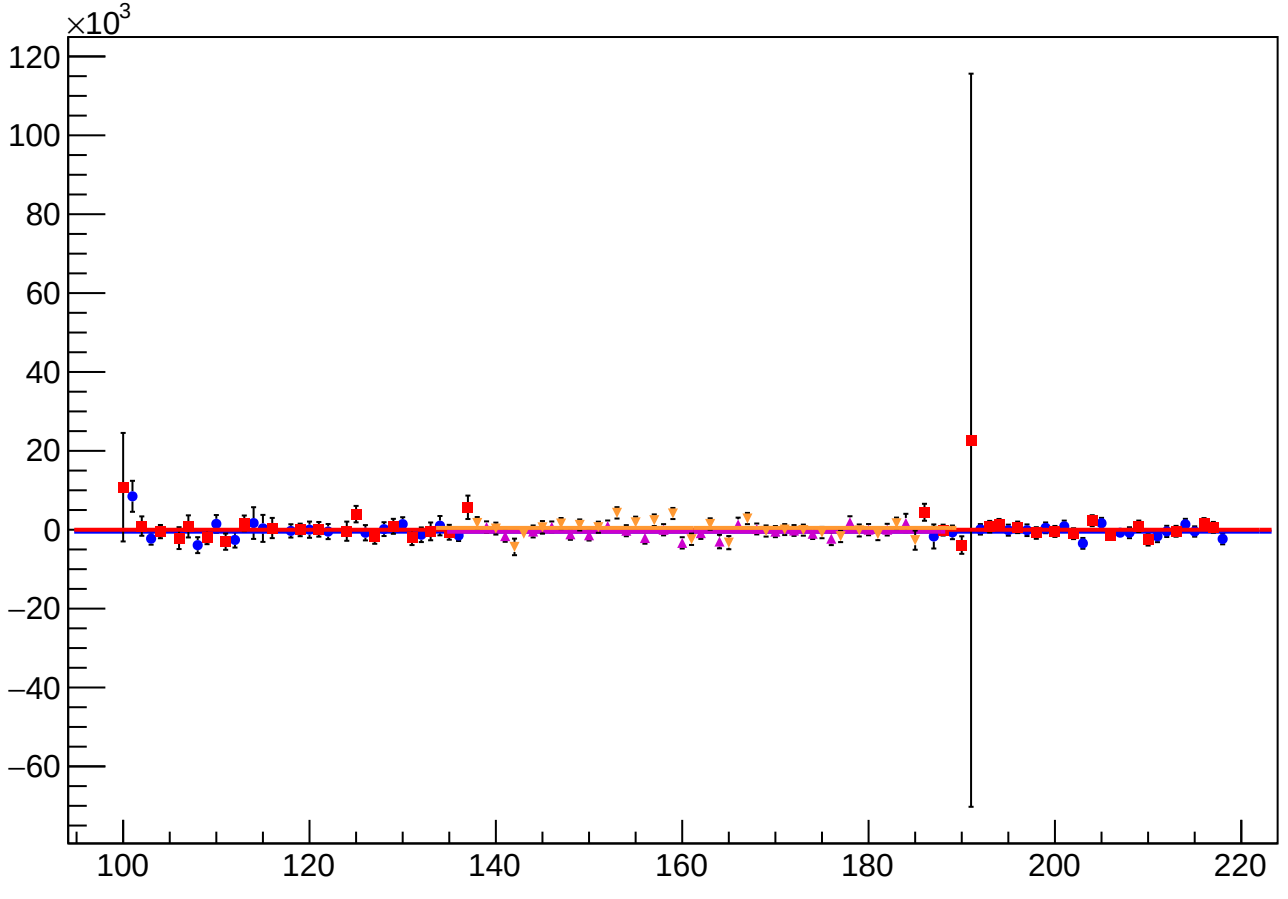
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4115.932+/-0.475 χ^2/NDF: 5830393.8/67

In: 4235.568+/-0.495 χ^2/NDF:3368069.4/54

Out: 3816.706+/-0.451 χ^2/NDF:7412674.7/60

All: 4006.855+/-0.333 χ^2/NDF: 11171878.2/1



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: -2.606+/-290.184 χ^2/NDF: 34.0/35

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

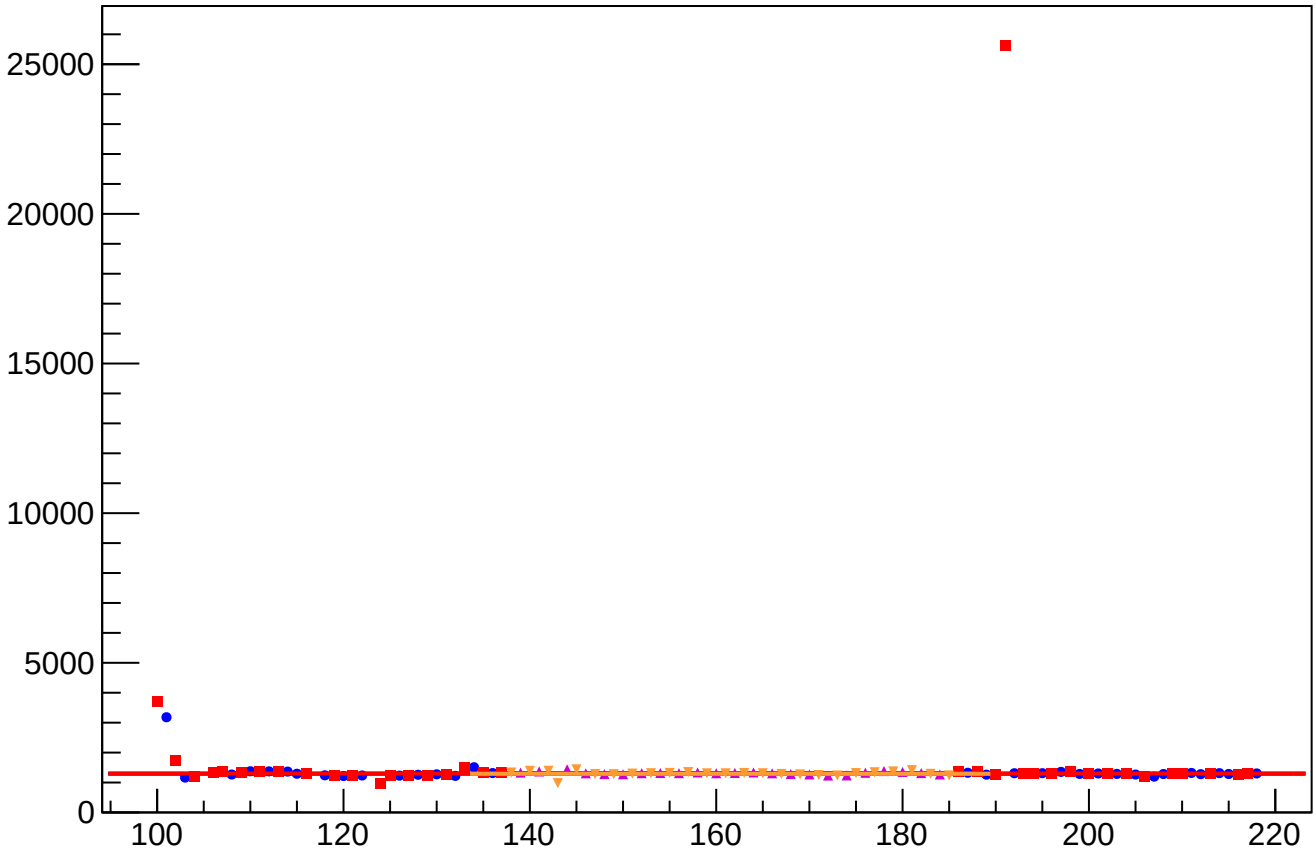
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -246.421+/-205.195 χ^2/NDF: 63.0/67

In: -496.530+/-210.907 χ^2/NDF:45.0/54

Out: 229.383+/-206.616 χ^2/NDF:79.4/60

All: -126.114+/-147.593 χ^2/NDF: 130.4/115



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: 1300.430+/-0.205 χ^2/NDF: 378990.2/35

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

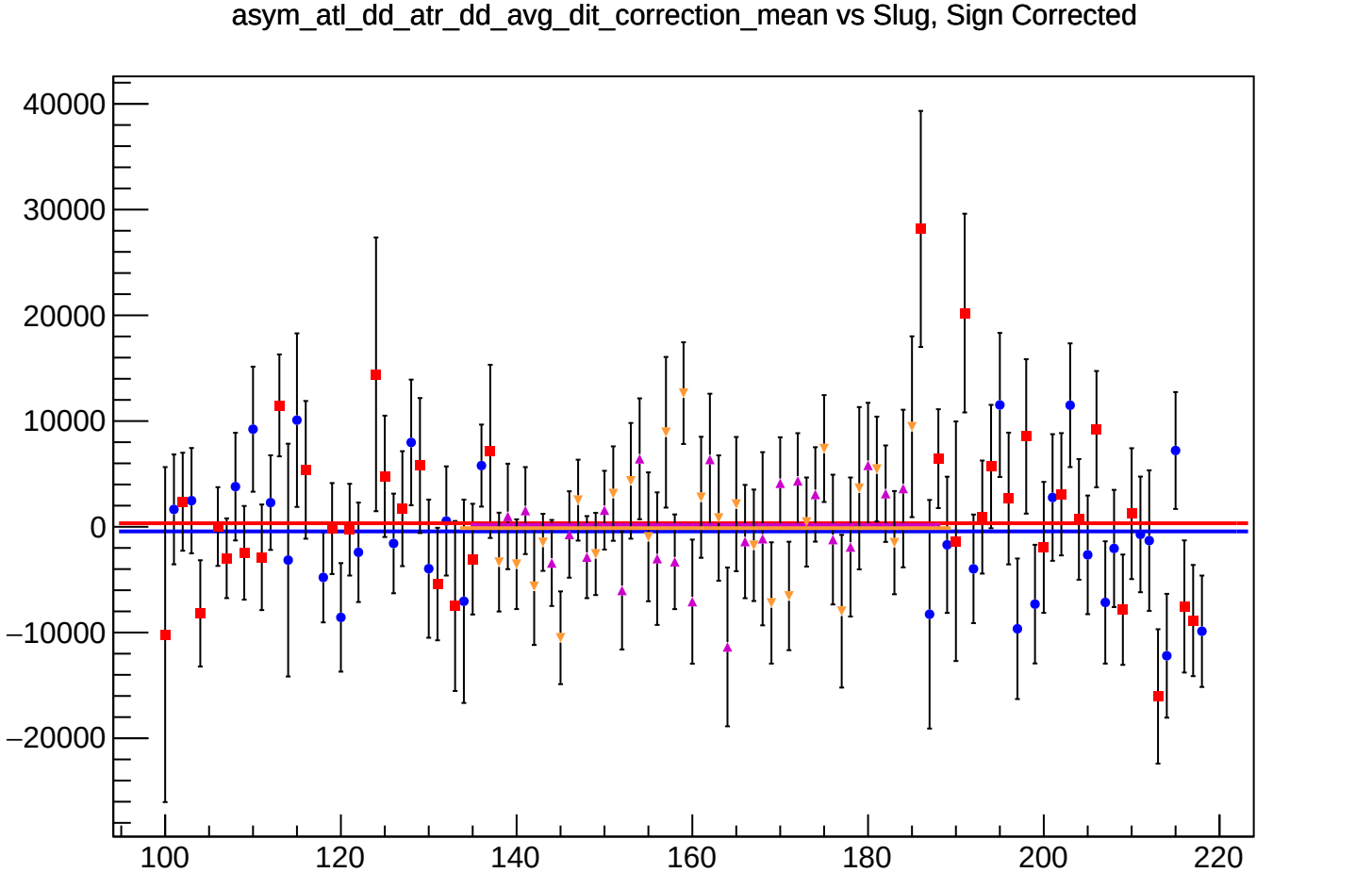
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1297.806+/-0.145 χ^2/NDF: 909600.8/67

In: 1304.062+/-0.149 χ^2/NDF:577298.7/54

Out: 1295.886+/-0.146 χ^2/NDF:610720.7/60

All: 1299.889+/-0.104 χ^2/NDF: 1189553.7/11



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: 334.966+/-934.371 χ^2/NDF: 48.3/35

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

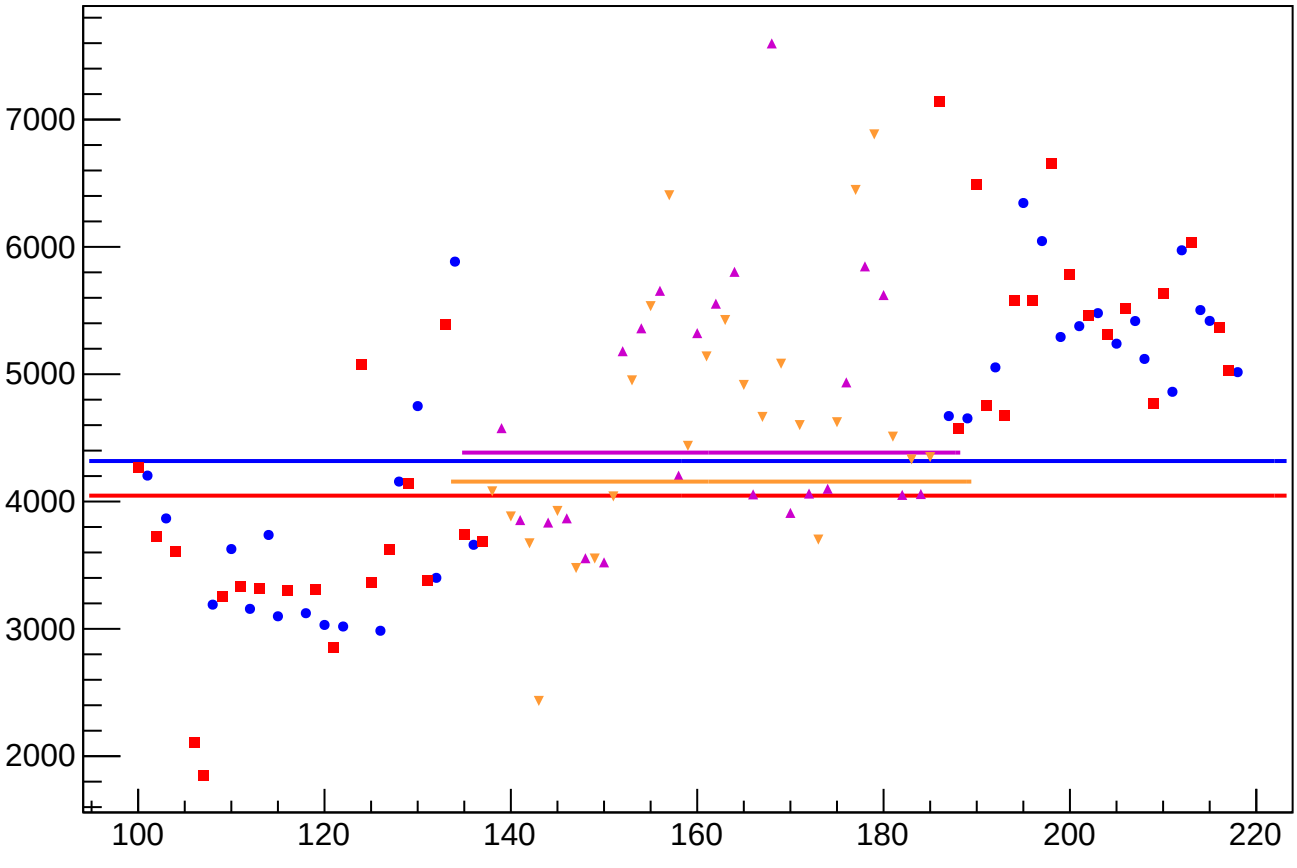
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: -28.046+/-679.650 χ^2/NDF: 86.5/67

In: -154.329+/-719.018 χ^2/NDF:51.8/54

Out: 114.205+/-675.344 χ^2/NDF:77.0/60

All: -11.659+/-492.256 χ^2/NDF: 128.9/115



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: 4046.251+/-0.661 χ^2/NDF: 3653438.5/35

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

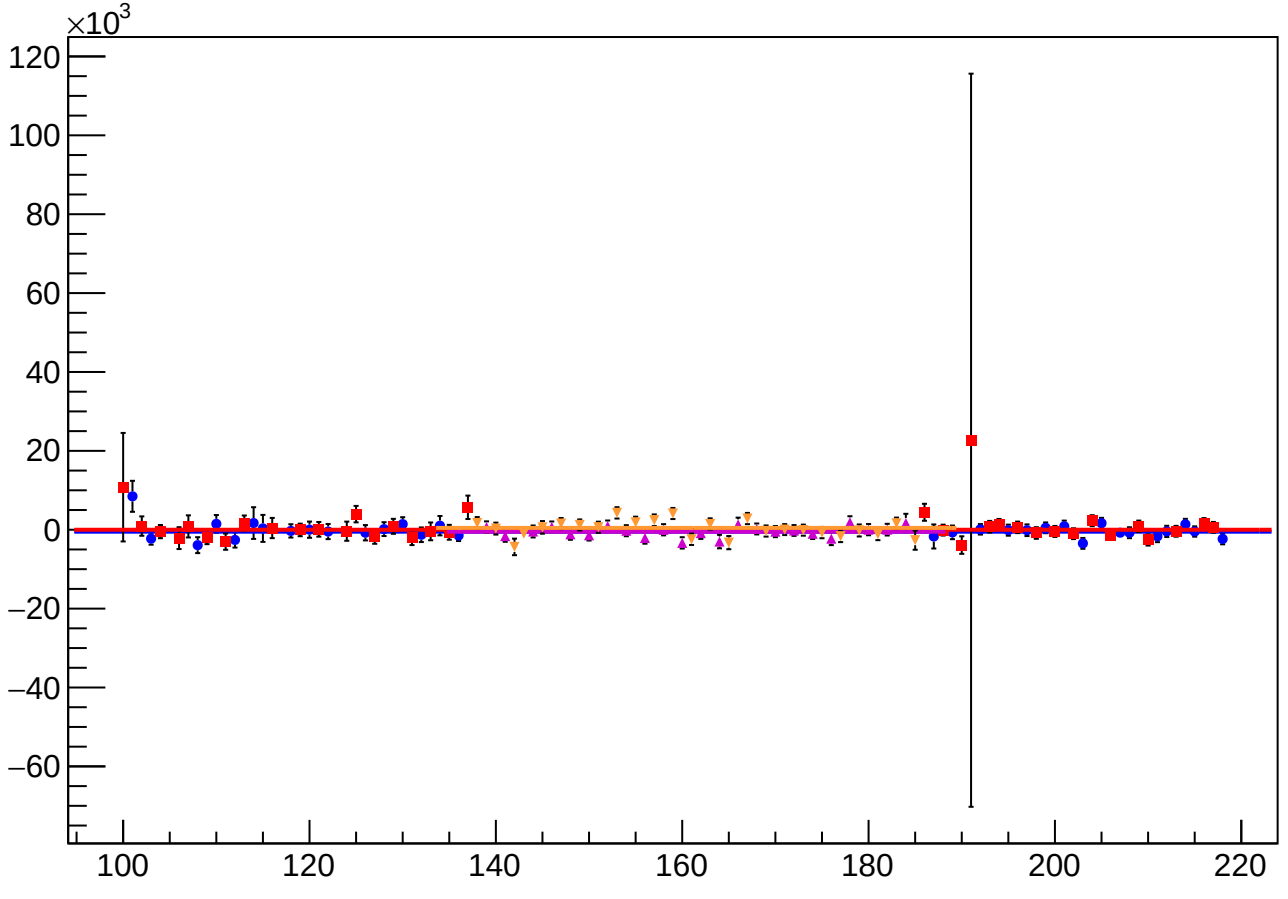
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4174.247+/-0.481 χ^2/NDF: 5911620.9/67

In: 4349.399+/-0.508 χ^2/NDF:3438188.1/54

Out: 4098.944+/-0.478 χ^2/NDF:5747522.7/60

All: 4216.334+/-0.348 χ^2/NDF: 9314638.0/11



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: -2.608+/-290.184 χ^2/NDF: 34.0/35

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

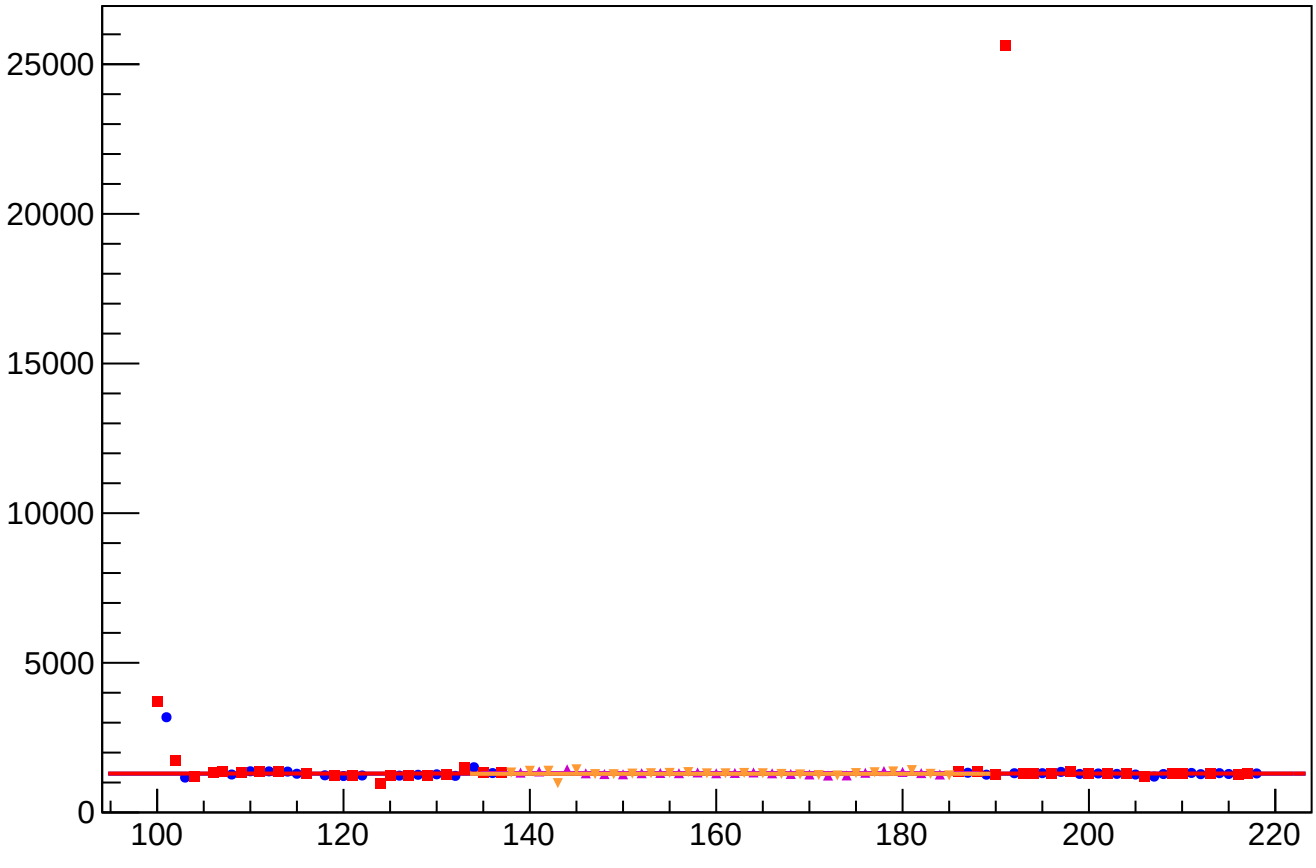
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -246.421+/-205.195 χ^2/NDF: 63.0/67

In: -496.529+/-210.907 χ^2/NDF:45.0/54

Out: 229.384+/-206.616 χ^2/NDF:79.4/60

All: -126.113+/-147.593 χ^2/NDF: 130.4/115



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: 1300.430+/-0.205 χ^2/NDF: 378990.3/35

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

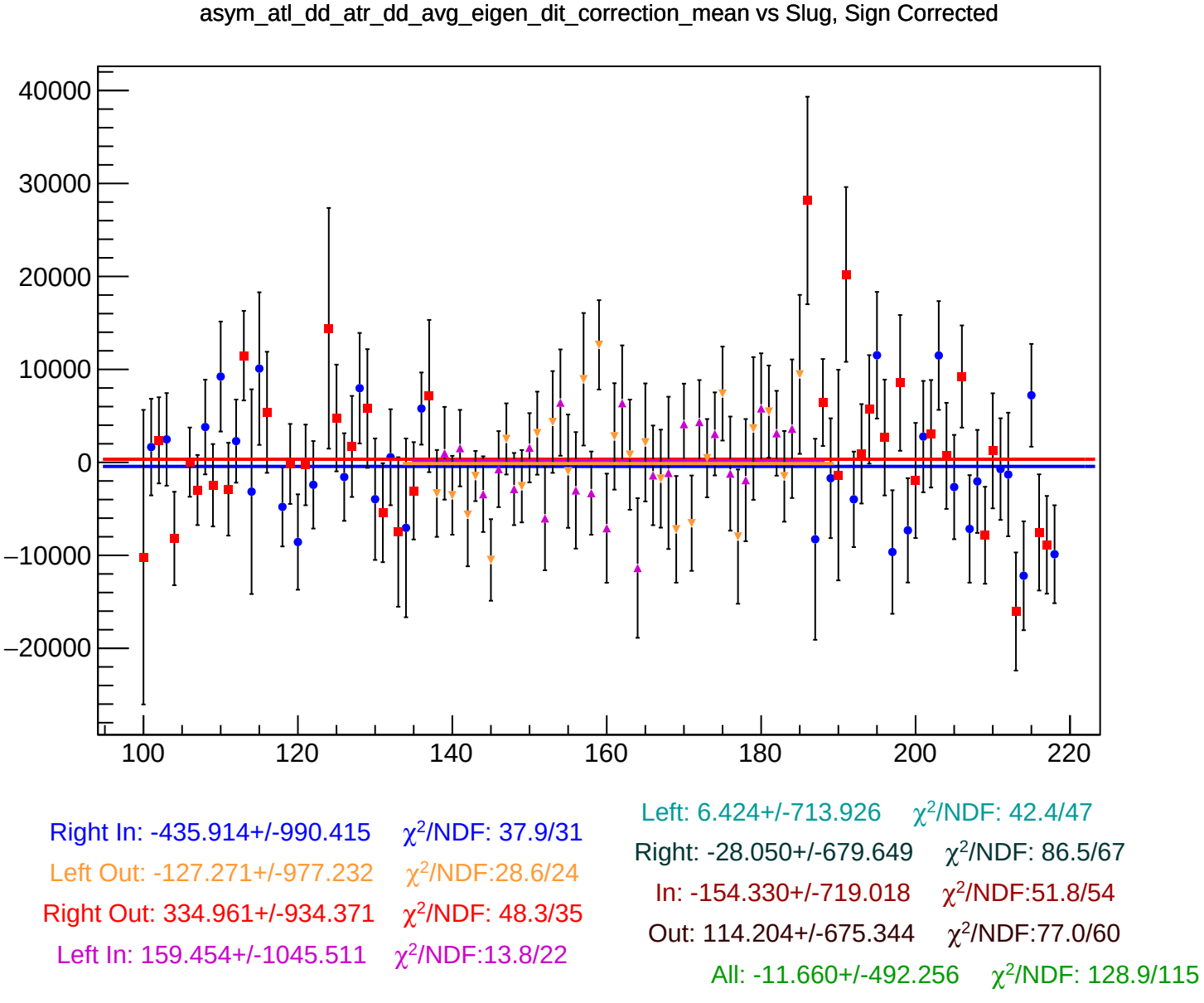
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1297.806+/-0.145 χ^2/NDF: 909601.0/67

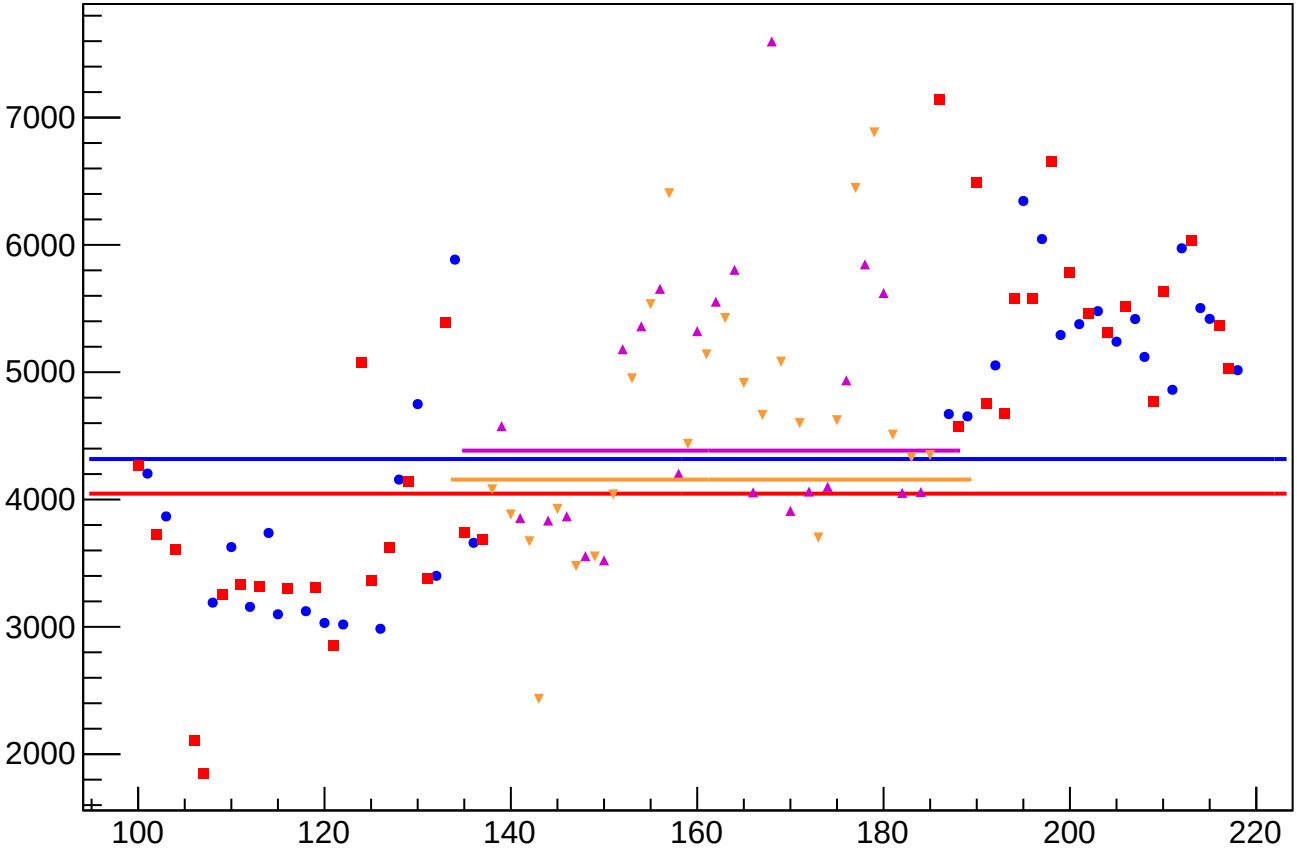
In: 1304.063+/-0.149 χ^2/NDF:577301.5/54

Out: 1295.886+/-0.146 χ^2/NDF:610723.1/60

All: 1299.890+/-0.104 χ^2/NDF: 1189558.8/11


asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -435.914+/-990.415 χ²/NDF: 37.9/31
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: 334.961+/-934.371 χ²/NDF: 48.3/35
Left In: 159.454+/-1045.511 χ²/NDF:13.8/22
Left: 6.424+/-713.926 χ²/NDF: 42.4/47
Right: -28.050+/-679.649 χ²/NDF: 86.5/67
In: -154.330+/-719.018 χ²/NDF:51.8/54
Out: 114.204+/-675.344 χ²/NDF:77.0/60
All: -11.660+/-492.256 χ²/NDF: 128.9/115

asym_atl_dd_atr_dd_avg_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: 4046.245+/-0.661 χ^2/NDF: 3653475.0/35

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

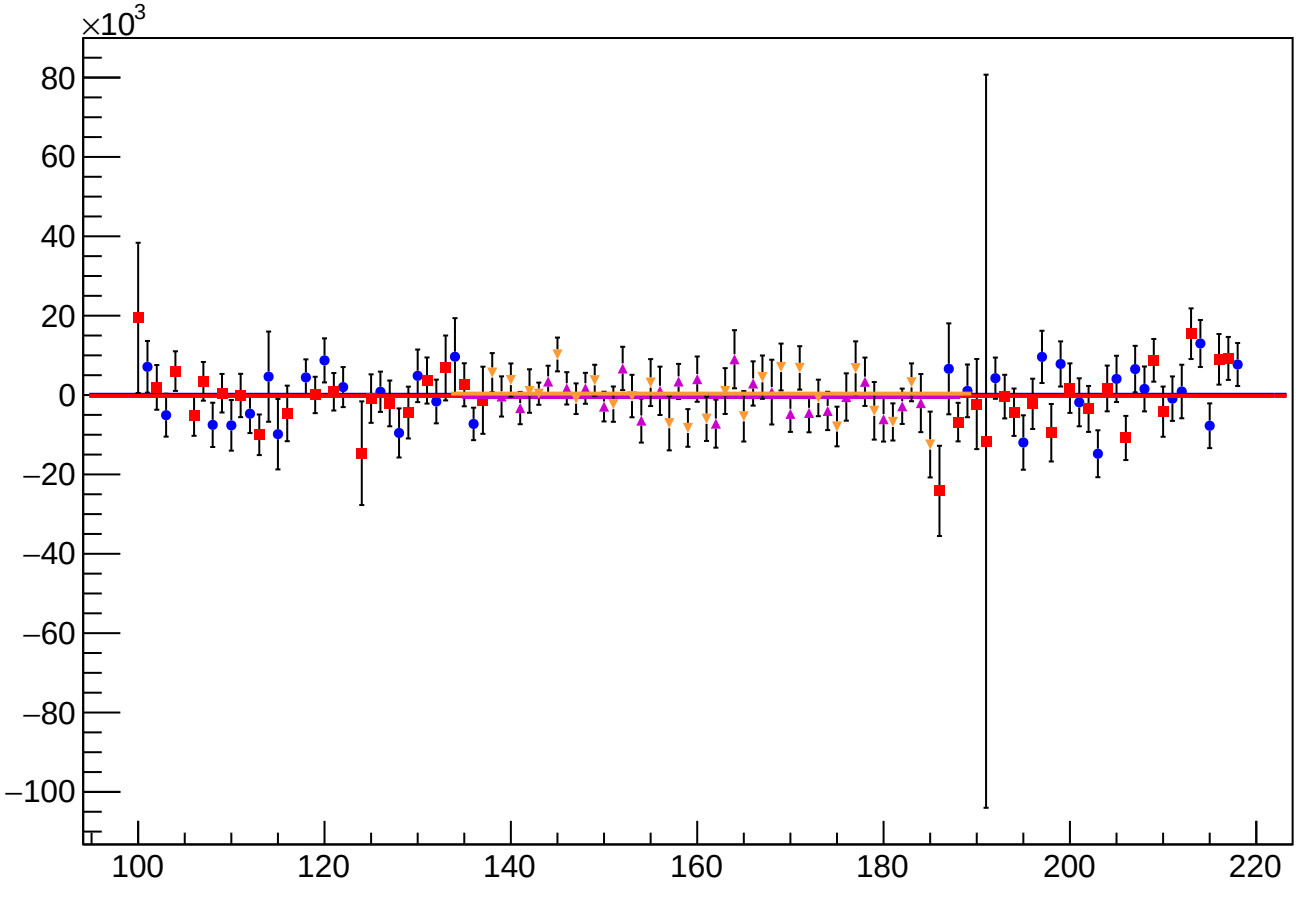
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4174.242+/-0.481 χ^2/NDF: 5911697.1/67

In: 4349.400+/-0.508 χ^2/NDF:3438232.7/54

Out: 4098.944+/-0.478 χ^2/NDF:5747565.0/60

All: 4216.335+/-0.348 χ^2/NDF: 9314725.6/11



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: -228.319+/-1008.085 χ^2/NDF: 38.7/35

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

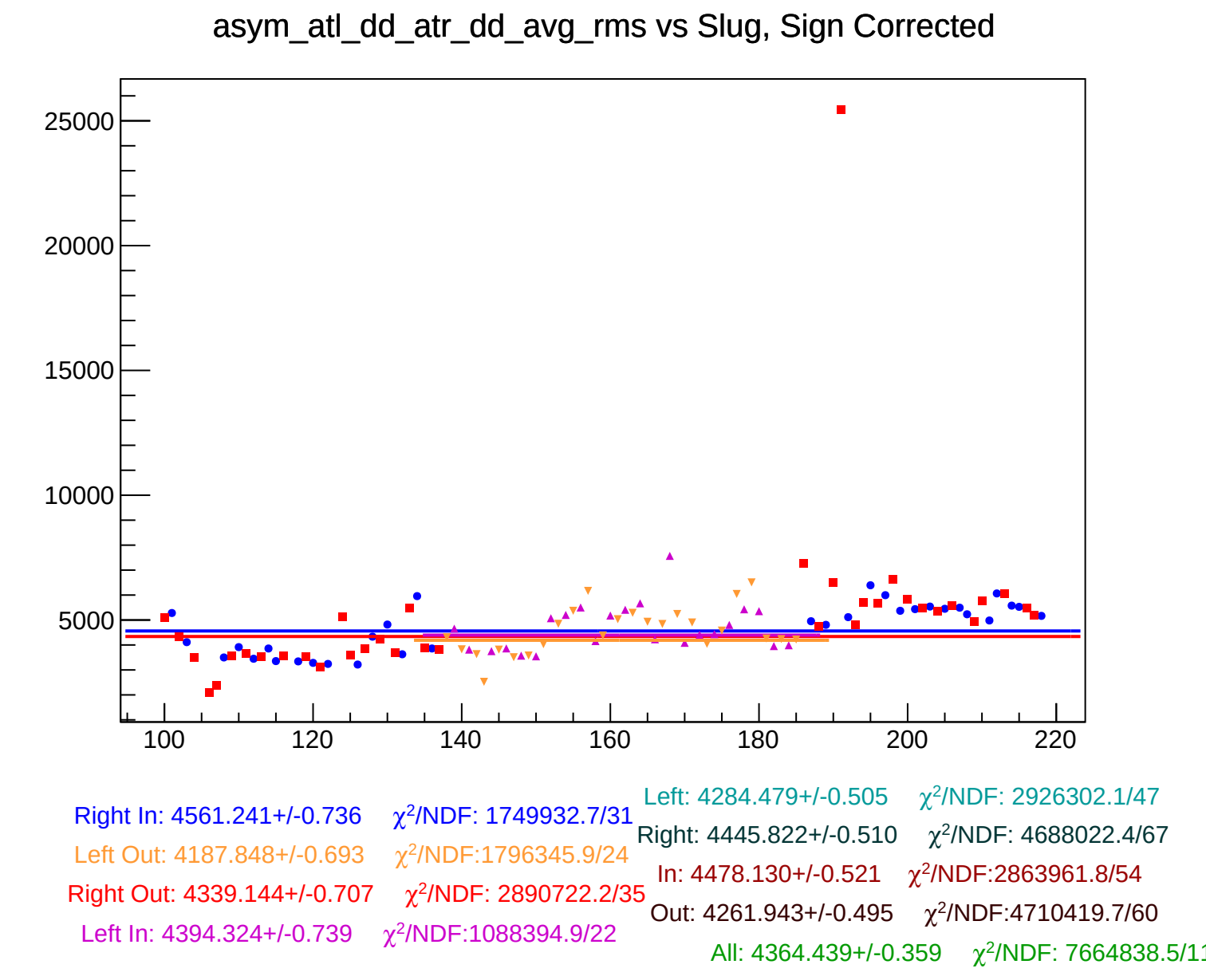
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -83.763+/-723.968 χ^2/NDF: 82.1/67

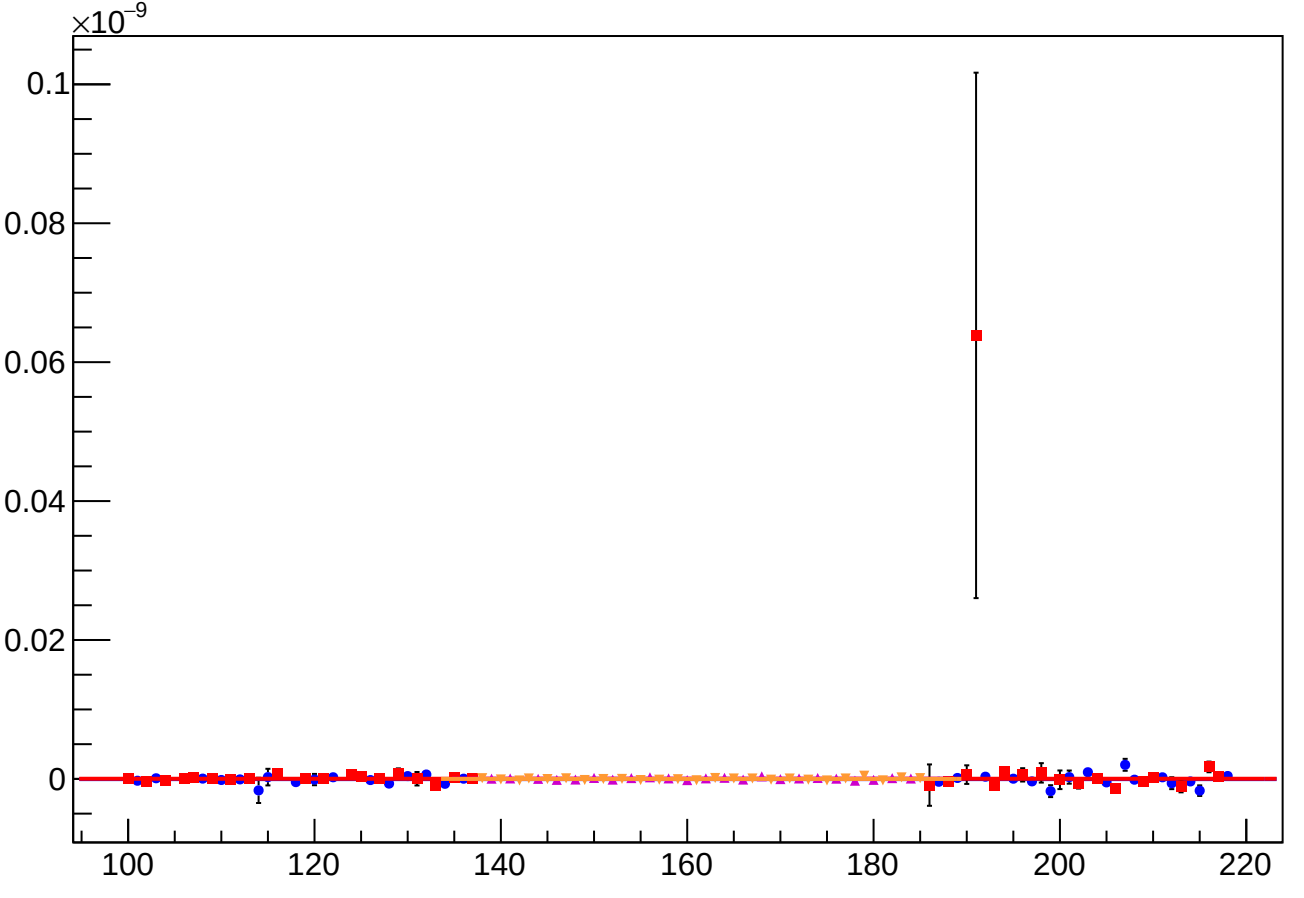
In: -212.480+/-737.181 χ^2/NDF:57.4/54

Out: 75.492+/-702.632 χ^2/NDF:66.5/60

All: -61.588+/-508.611 χ^2/NDF: 124.0/115


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: 4339.144+/-0.707 χ²/NDF: 2890722.2/35
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4445.822+/-0.510 χ²/NDF: 4688022.4/67
In: 4478.130+/-0.521 χ²/NDF:2863961.8/54
Out: 4261.943+/-0.495 χ²/NDF:4710419.7/60
All: 4364.439+/-0.359 χ²/NDF: 7664838.5/11

asym_atl_dd_atr_dd_avg_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: 40.5/35

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

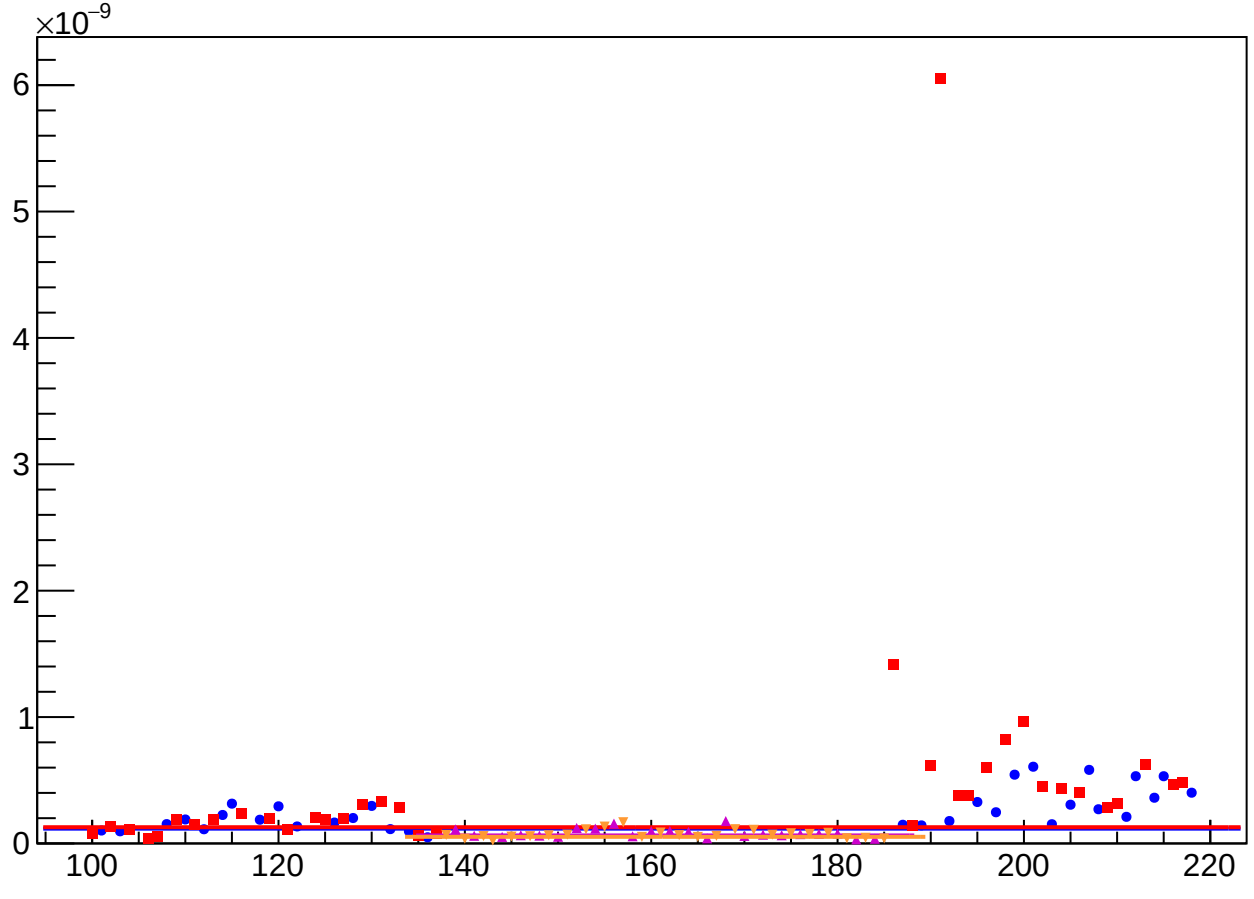
Right: -0.000+/-0.000 χ^2/NDF: 81.8/67

In: 0.000+/-0.000 χ^2/NDF:58.6/54

Out: -0.000+/-0.000 χ^2/NDF:71.1/60

All: 0.000+/-0.000 χ^2/NDF: 129.9/115

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 8366184.2/35

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

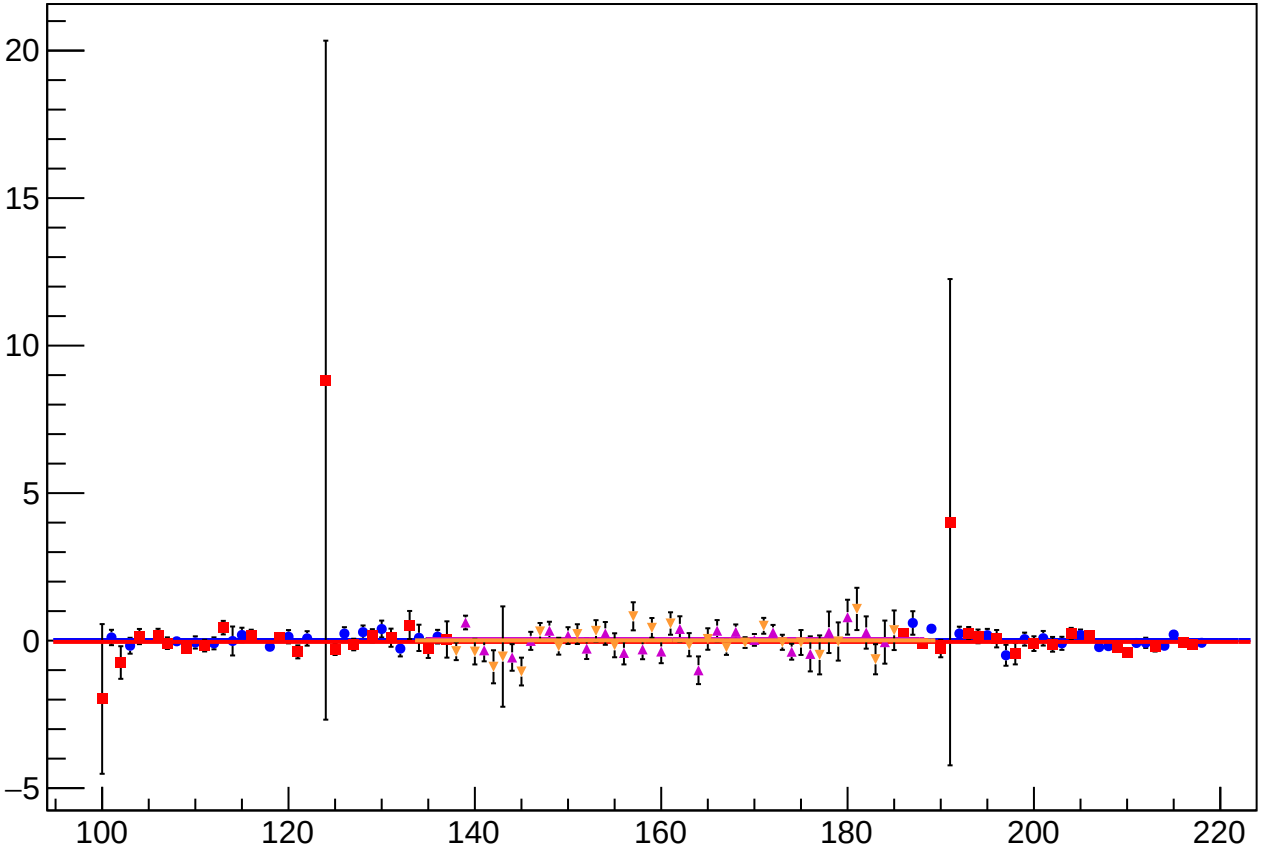
Right: 0.000+/-0.000 χ^2/NDF: 14674202.0/67

In: 0.000+/-0.000 χ^2/NDF:9663706.5/54

Out: 0.000+/-0.000 χ^2/NDF:13861253.1/60

All: 0.000+/-0.000 χ^2/NDF: 23805190.1/115

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

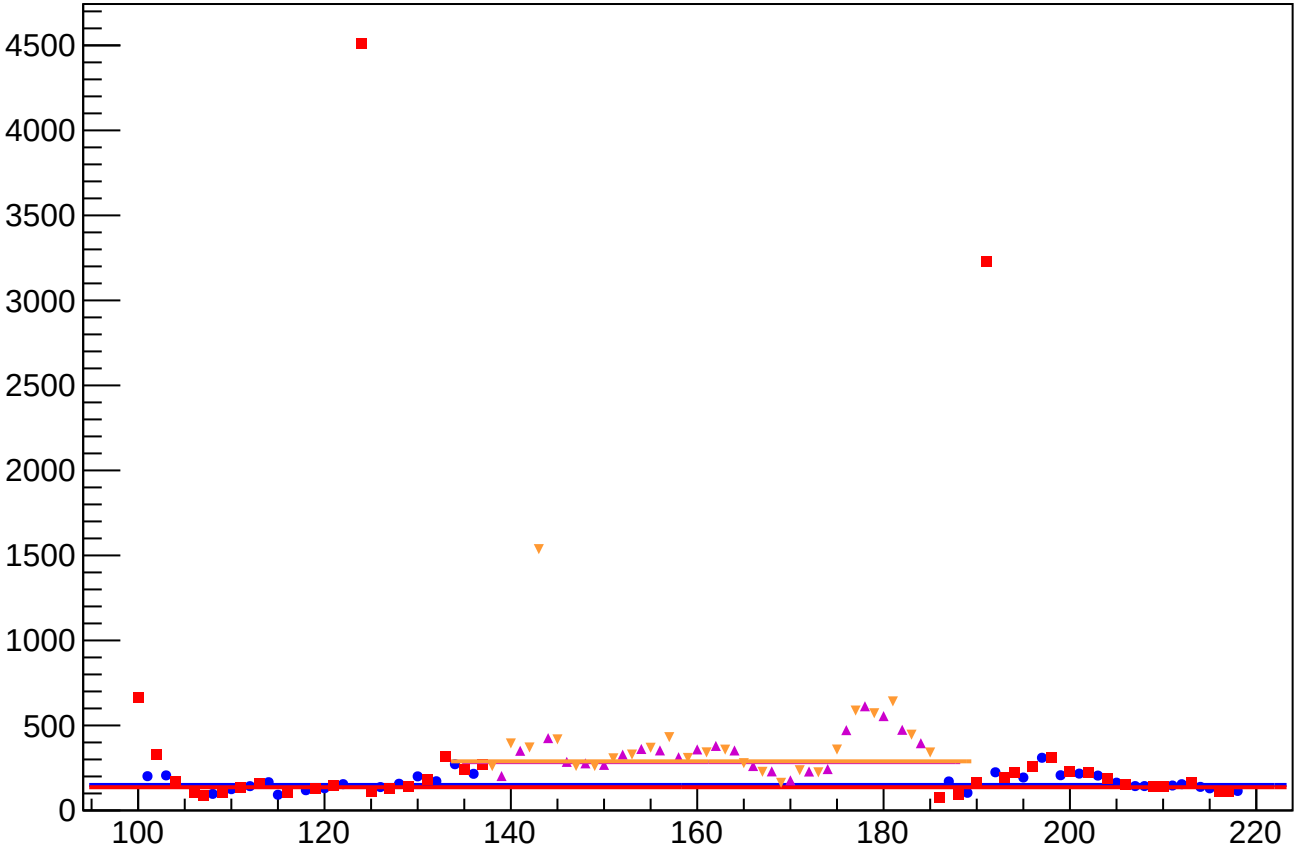
Right: -0.013+/-0.024 χ^2/NDF: 74.9/67

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.005+/-0.022 χ^2/NDF: 132.4/115

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: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

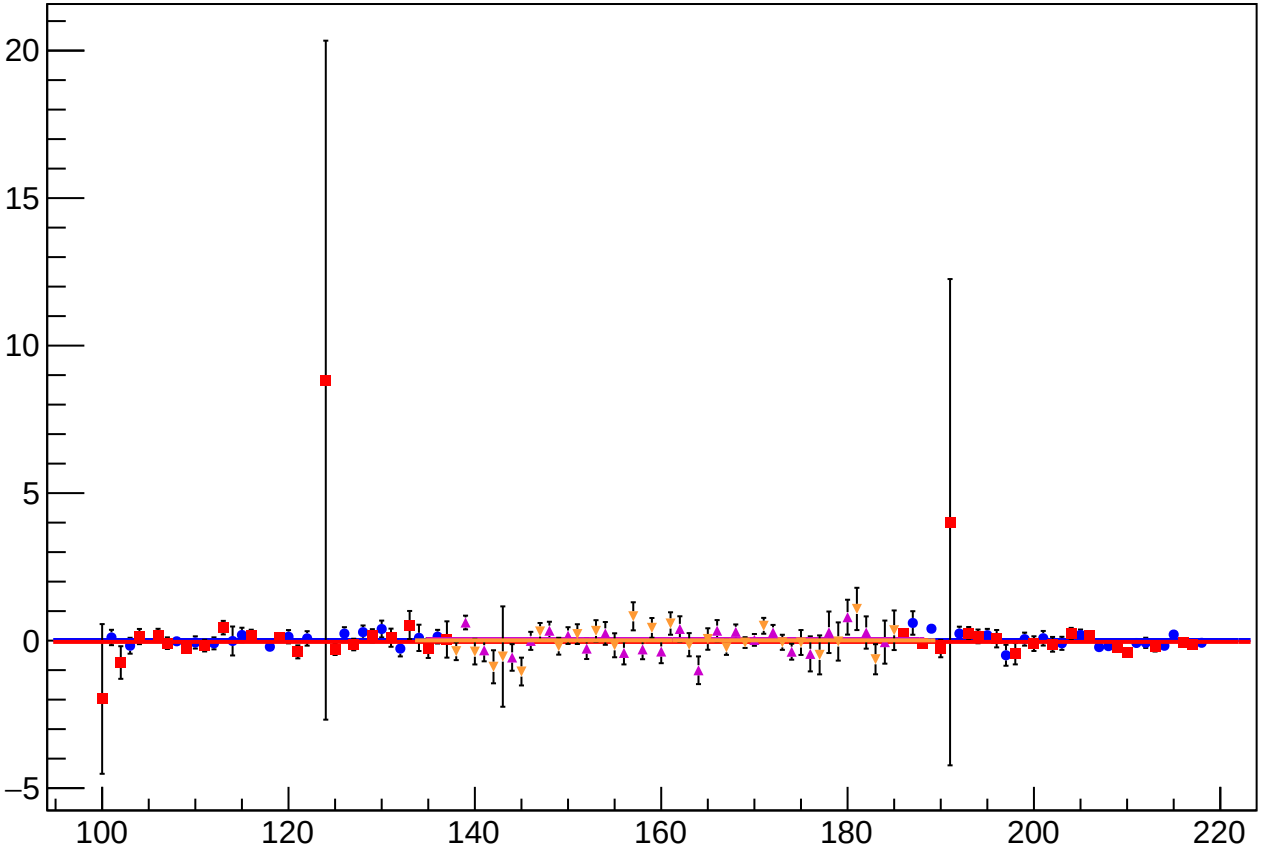
Right: 142.900+/-0.017 χ^2/NDF: 7581118.2/67

In: 176.910+/-0.022 χ^2/NDF:11415134.6/54

Out: 163.827+/-0.021 χ^2/NDF:17097934.1/60

All: 170.058+/-0.015 χ^2/NDF: 28693708.8/1

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

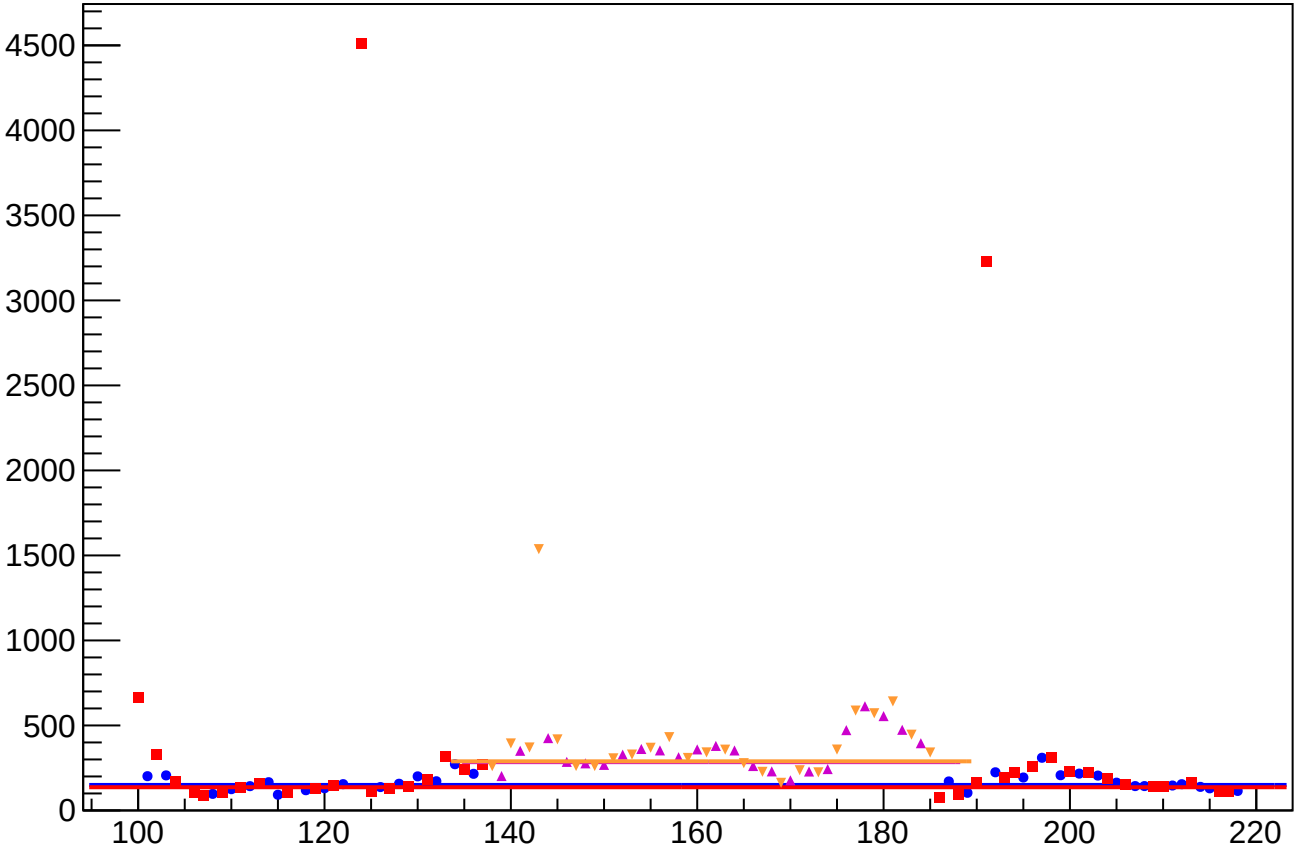
Right: -0.013+/-0.024 χ^2/NDF: 74.9/67

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.005+/-0.022 χ^2/NDF: 132.4/115

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: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

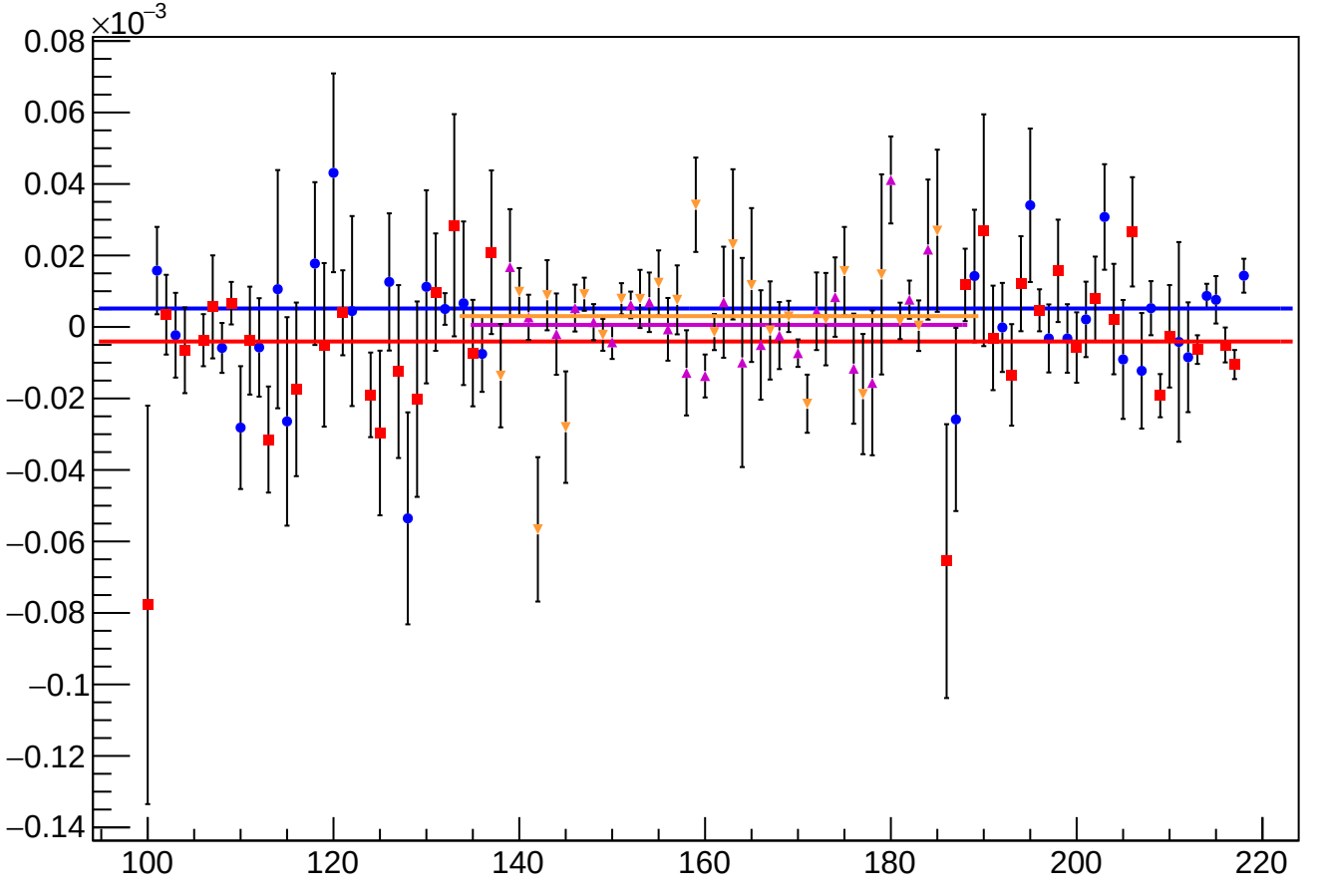
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 142.900+/-0.017 χ^2/NDF: 7581118.2/67

In: 176.910+/-0.022 χ^2/NDF:11415134.6/54

Out: 163.827+/-0.021 χ^2/NDF:17097934.1/60

All: 170.058+/-0.015 χ^2/NDF: 28693708.8/1



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: 42.8/35

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

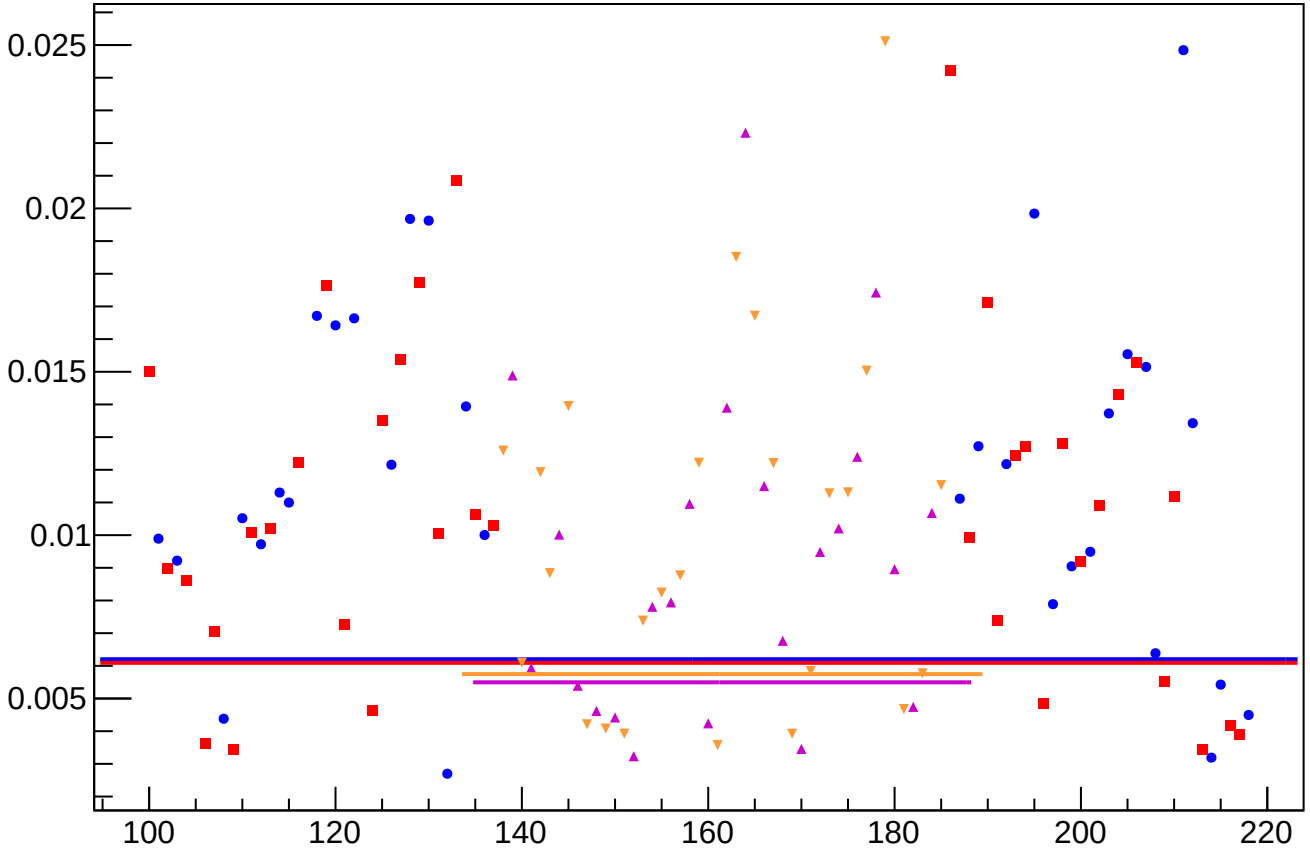
Right: 0.000+/-0.000 χ^2/NDF: 91.6/67

In: 0.000+/-0.000 χ^2/NDF:70.3/54

Out: -0.000+/-0.000 χ^2/NDF:95.4/60

All: 0.000+/-0.000 χ^2/NDF: 169.3/115

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: 9846323.4/35

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

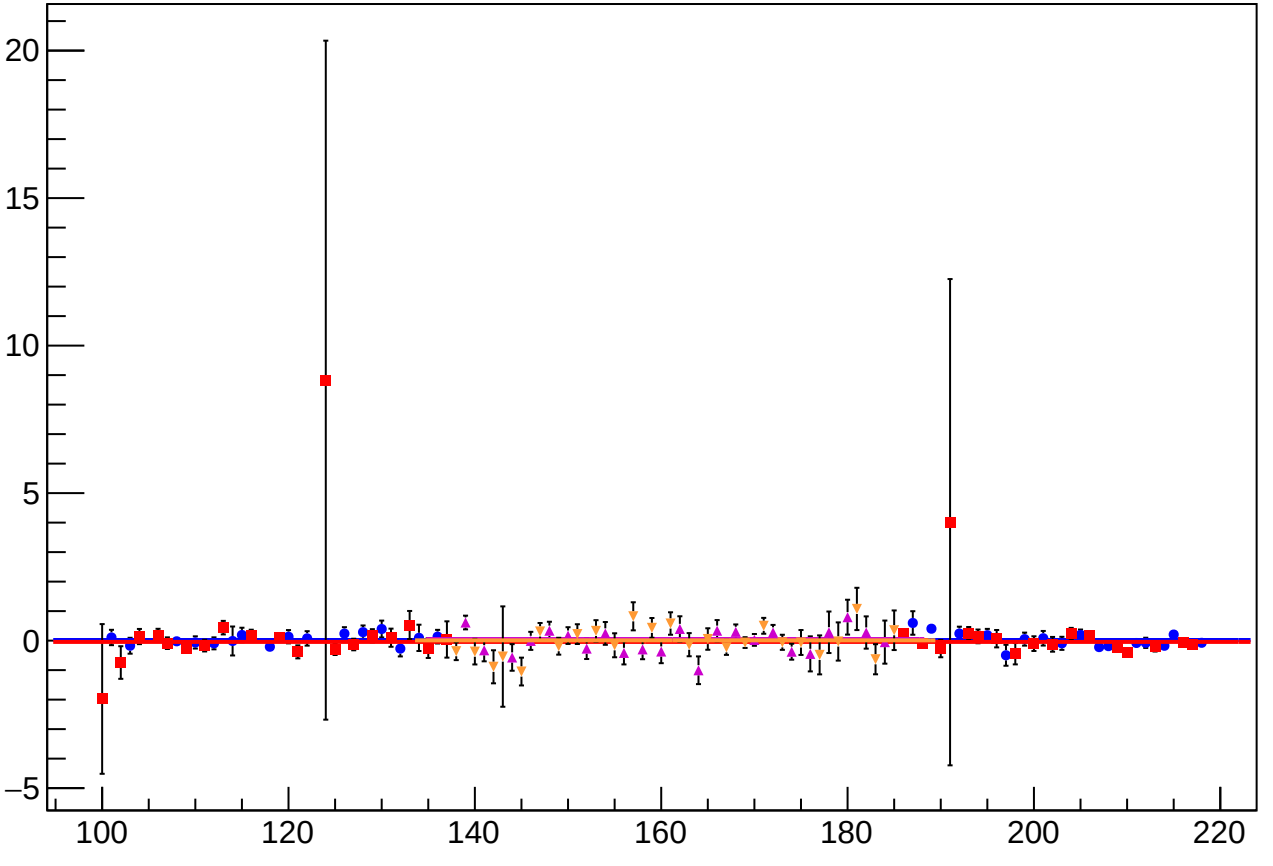
Right: 0.006+/-0.000 χ^2/NDF: 21467349.4/67

In: 0.006+/-0.000 χ^2/NDF:18747539.8/54

Out: 0.006+/-0.000 χ^2/NDF:18023890.7/60

All: 0.006+/-0.000 χ^2/NDF: 36779689.4/115

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

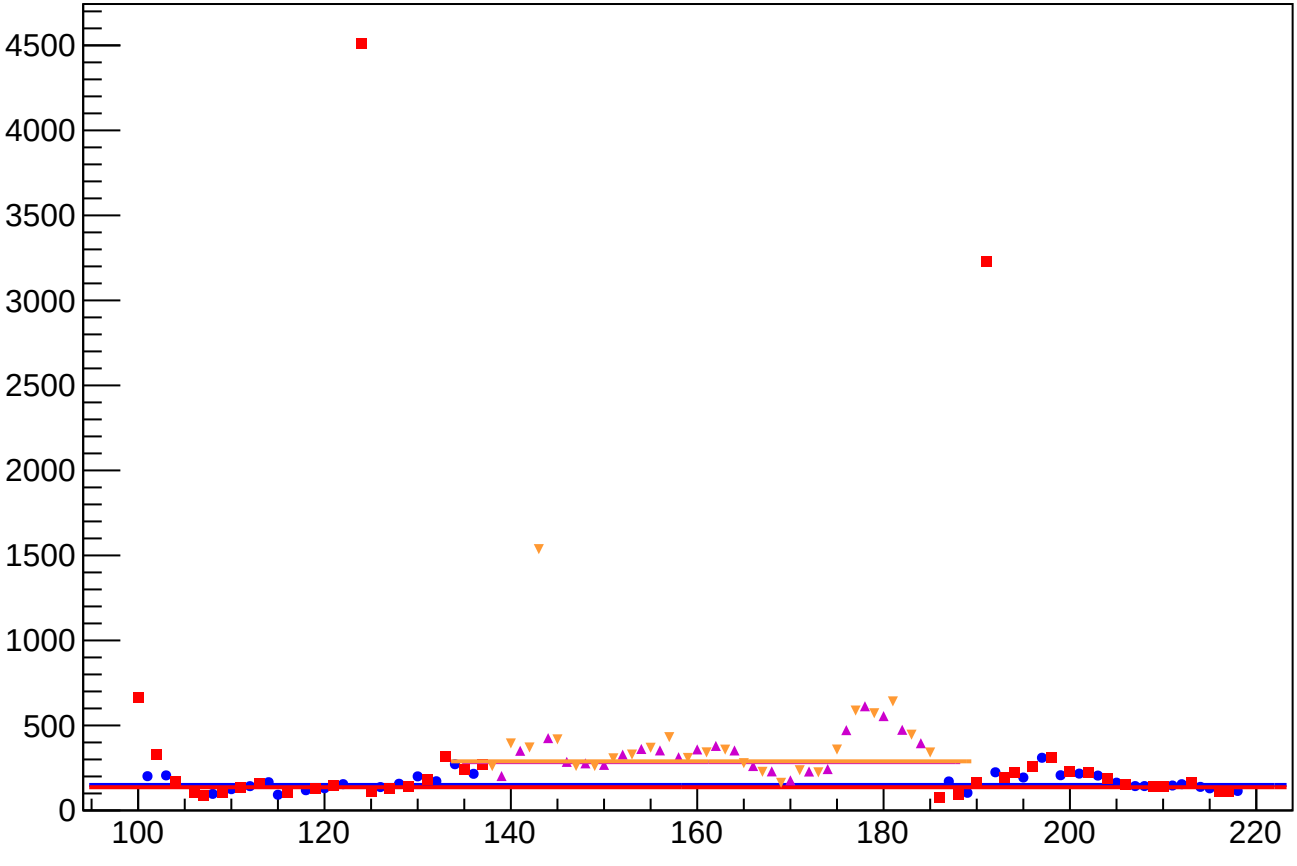
Right: -0.013+/-0.024 χ^2/NDF: 74.9/67

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.005+/-0.022 χ^2/NDF: 132.4/115

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: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

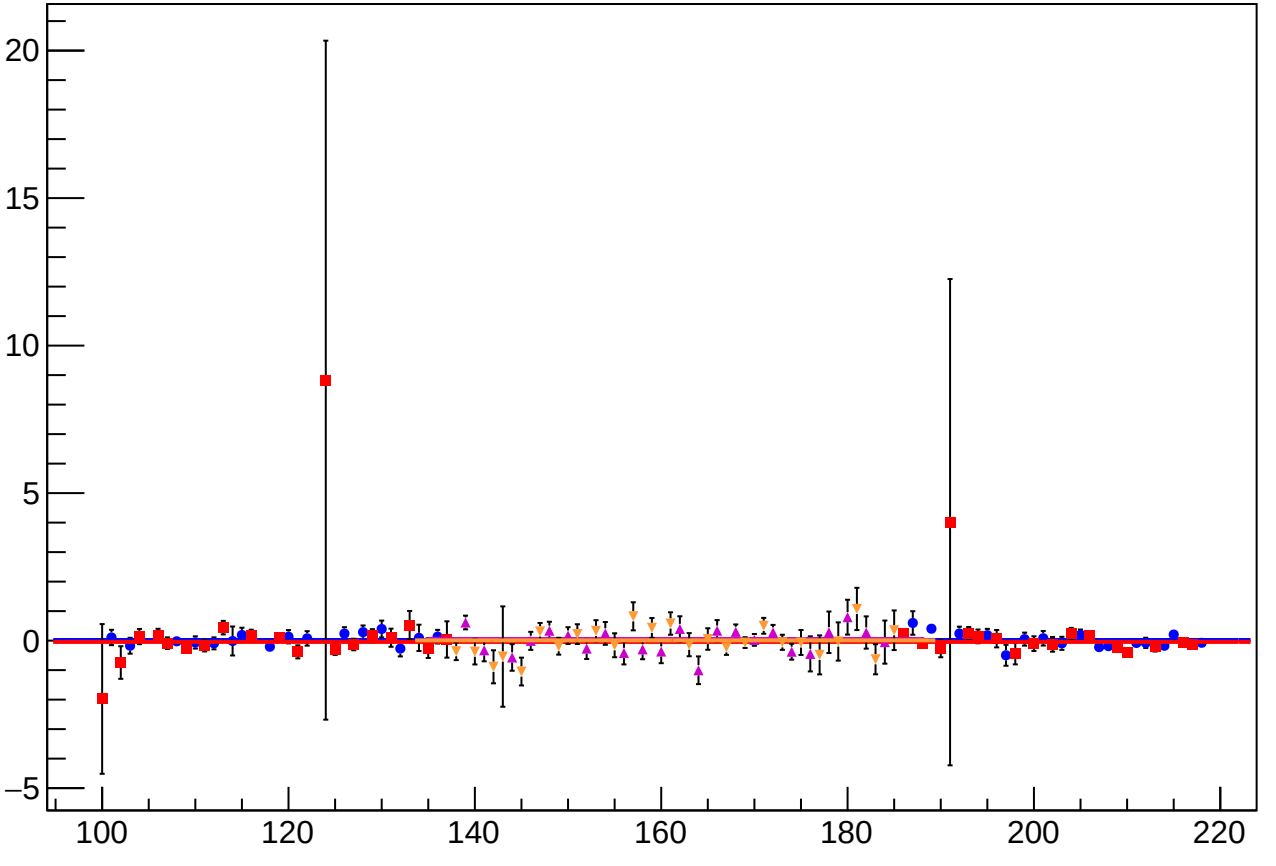
Right: 142.901+/-0.017 χ^2/NDF: 7580917.1/67

In: 176.911+/-0.022 χ^2/NDF:11415237.9/54

Out: 163.829+/-0.021 χ^2/NDF:17097764.6/60

All: 170.059+/-0.015 χ^2/NDF: 28693613.1/11

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

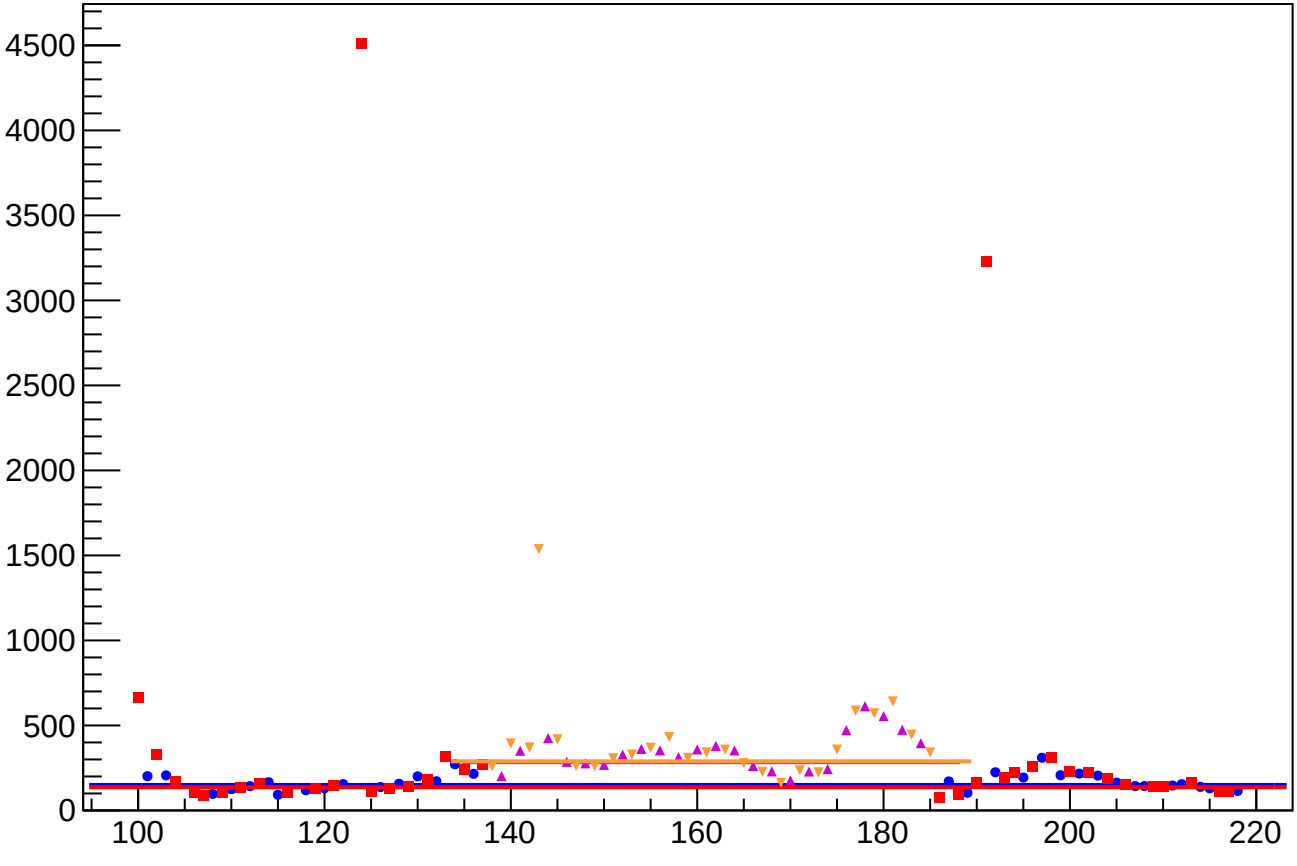
Right: -0.013+/-0.024 χ^2/NDF: 74.9/67

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.005+/-0.022 χ^2/NDF: 132.4/115

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: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

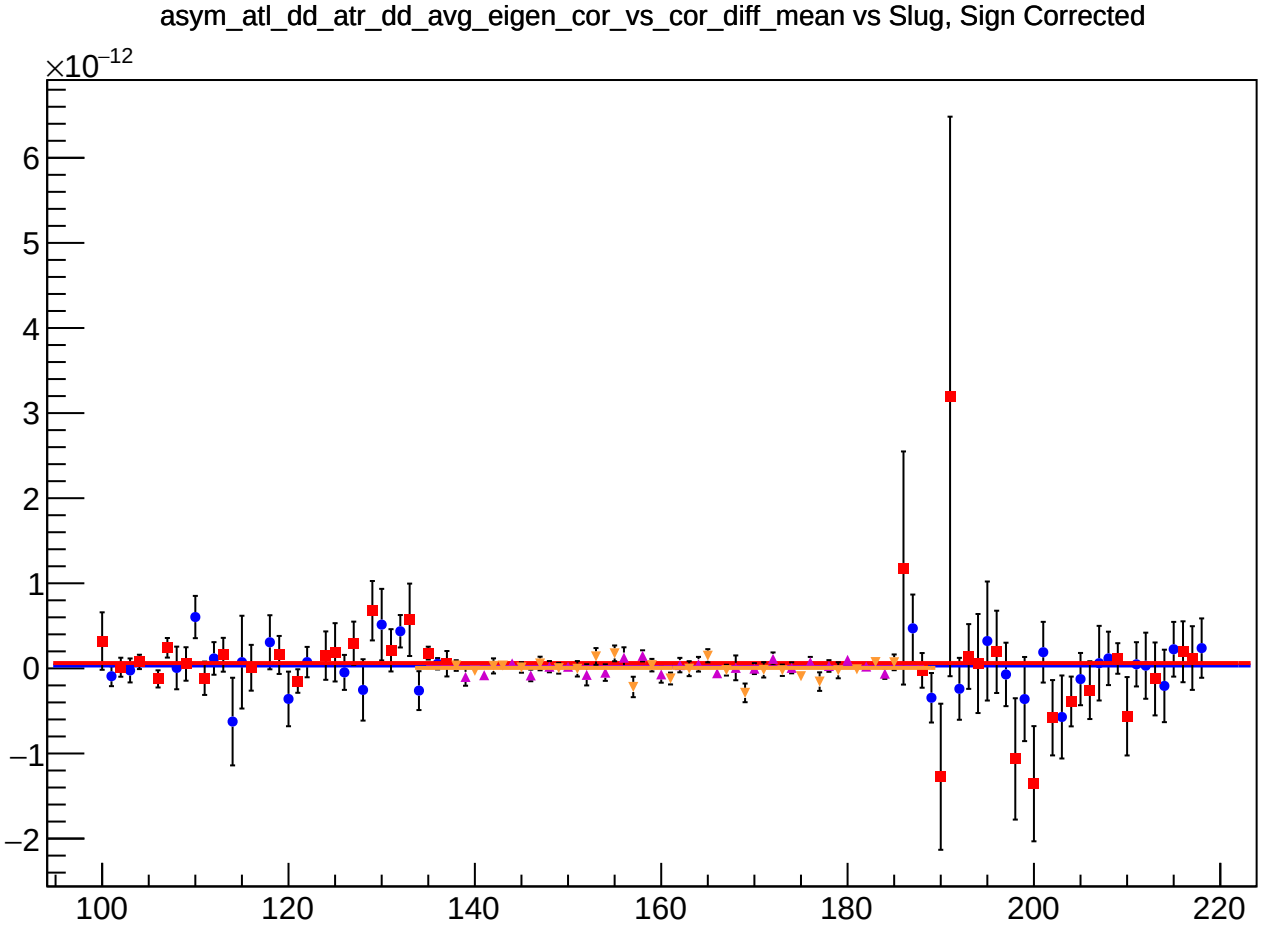
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 142.901+/-0.017 χ^2/NDF: 7580917.1/67

In: 176.911+/-0.022 χ^2/NDF:11415237.9/54

Out: 163.829+/-0.021 χ^2/NDF:17097764.6/60

All: 170.059+/-0.015 χ^2/NDF: 28693613.1/11



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: 37.5/35

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

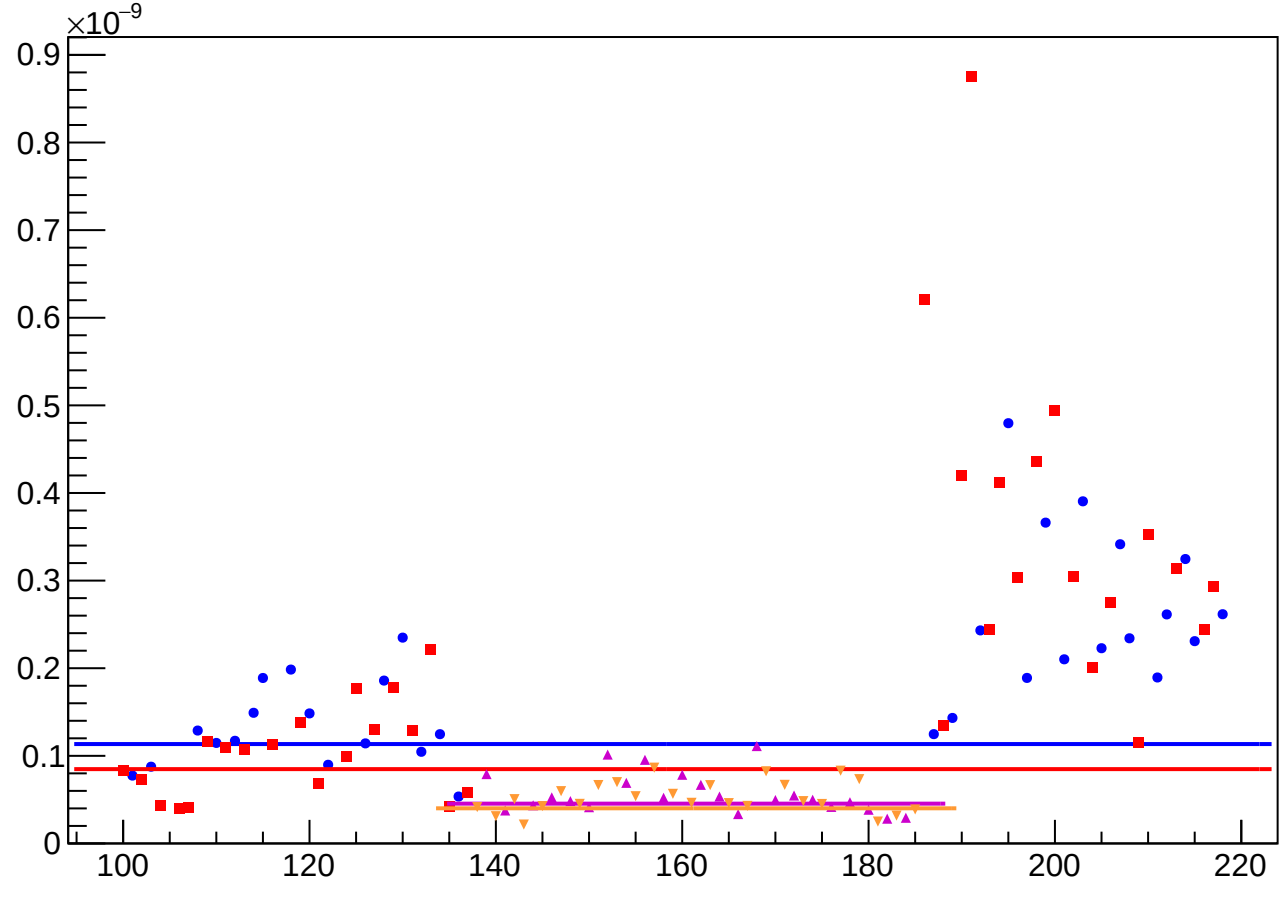
Right: 0.000+/-0.000 χ^2/NDF: 64.3/67

In: 0.000+/-0.000 χ^2/NDF:49.9/54

Out: 0.000+/-0.000 χ^2/NDF:74.4/60

All: 0.000+/-0.000 χ^2/NDF: 124.3/115

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7264038.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10027189.5/35

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

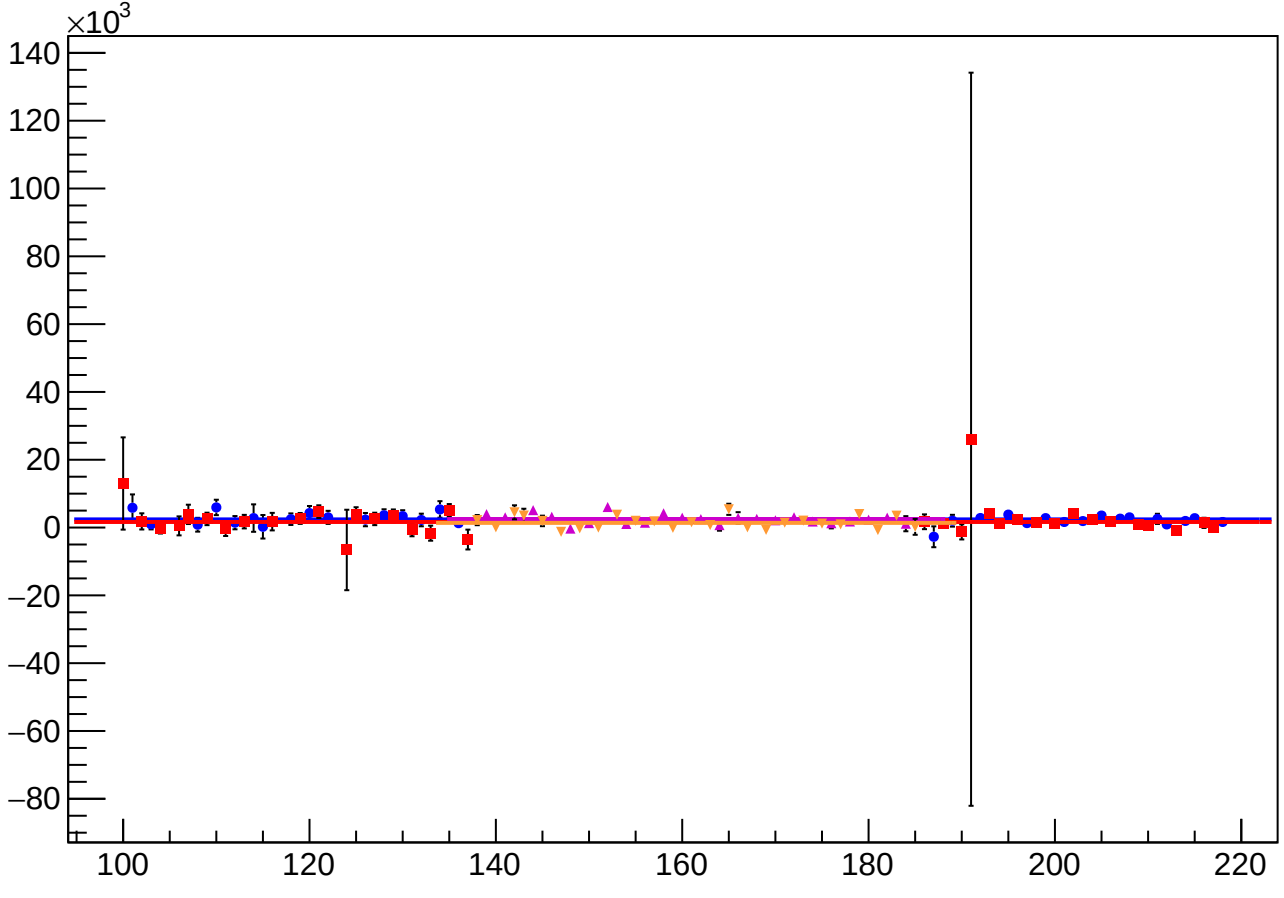
Right: 0.000+/-0.000 χ^2/NDF: 17942073.6/67

In: 0.000+/-0.000 χ^2/NDF:15555334.9/54

Out: 0.000+/-0.000 χ^2/NDF:17053044.0/60

All: 0.000+/-0.000 χ^2/NDF: 32947237.8/115

reg_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



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: 1648.627+/-292.470 χ^2/NDF: 34.4/35

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

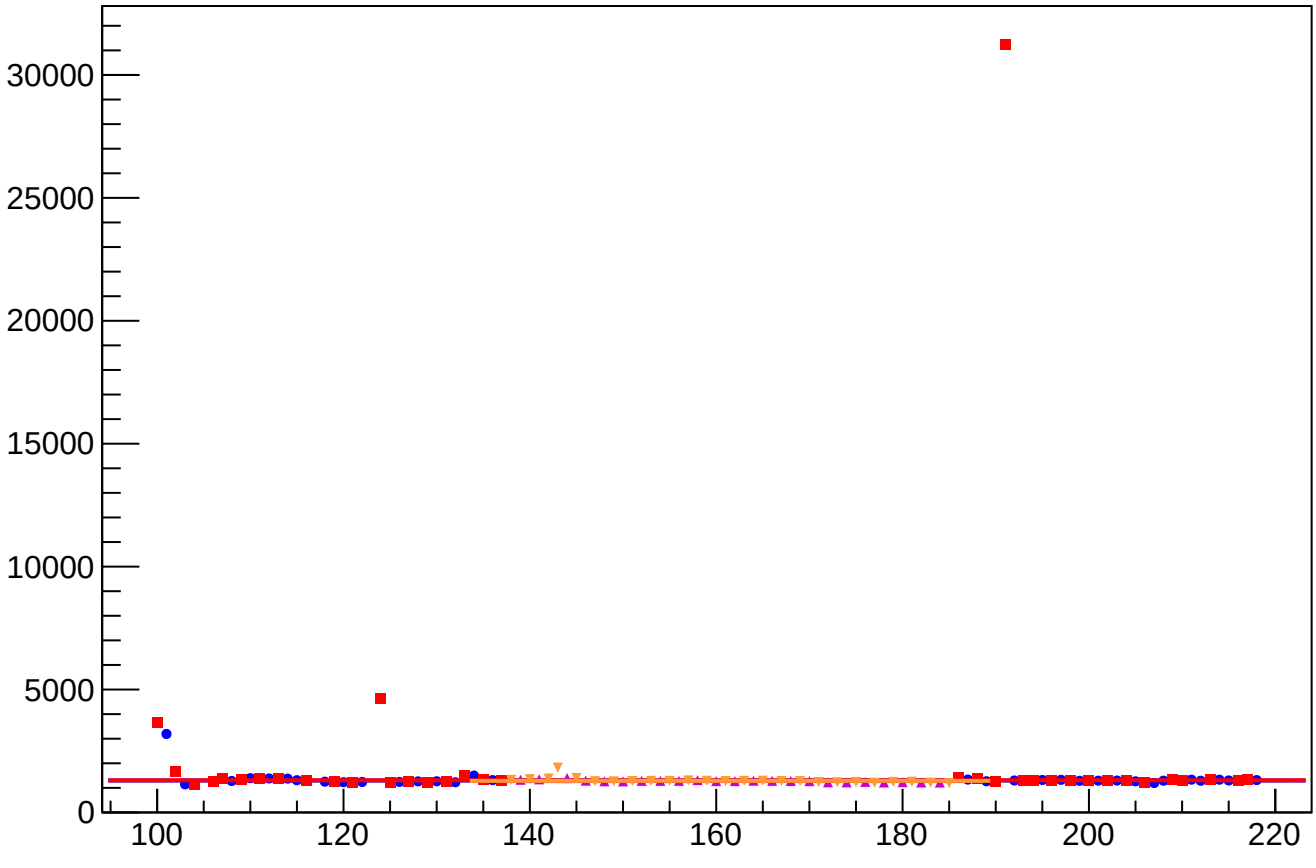
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2028.629+/-206.296 χ^2/NDF: 54.4/67

In: 2460.756+/-208.241 χ^2/NDF:39.2/54

Out: 1516.079+/-206.916 χ^2/NDF:67.7/60

All: 1985.401+/-146.778 χ^2/NDF: 117.3/115



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: 1308.532+/-0.207 χ^2/NDF: 506768.8/35

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

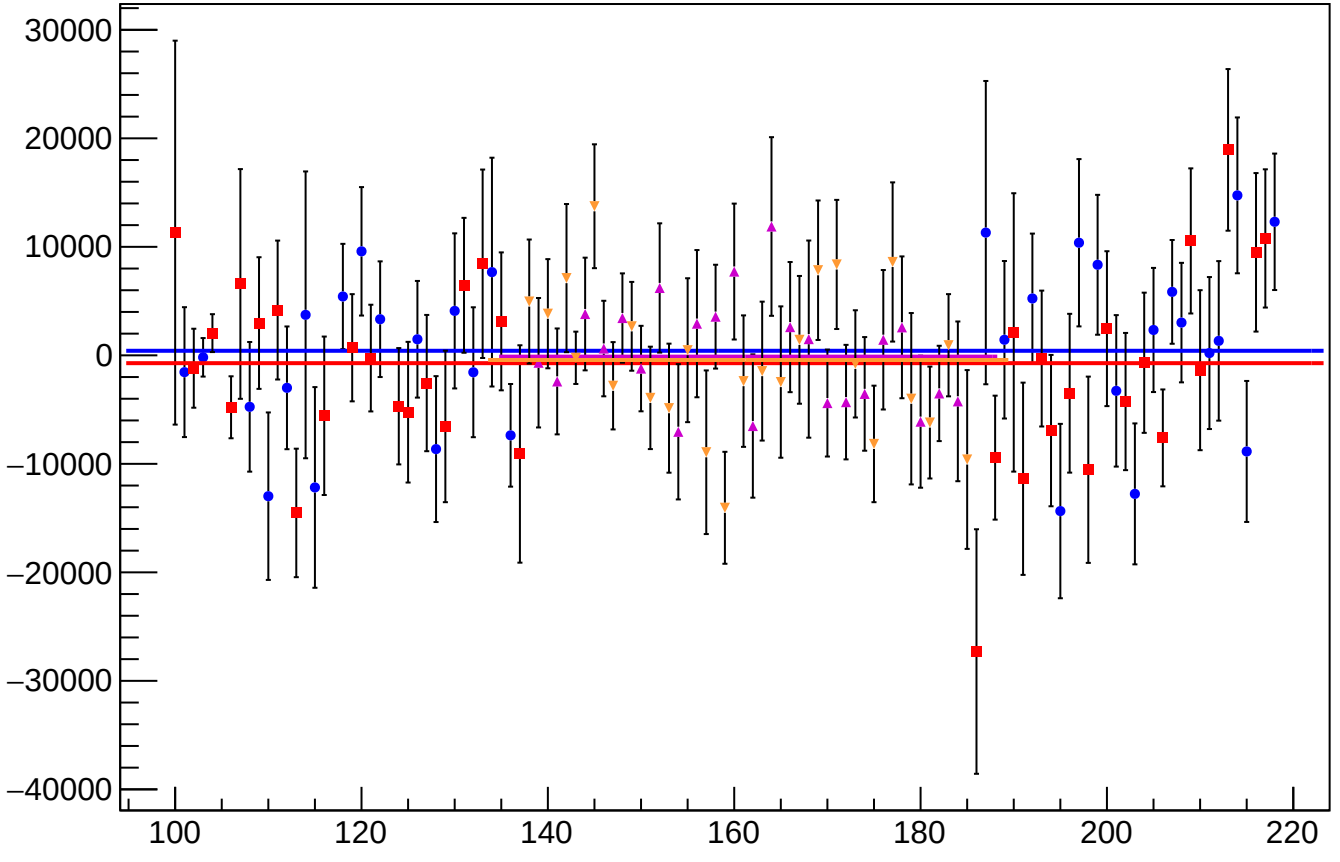
Right: 1303.662+/-0.146 χ^2/NDF: 1043098.4/67

In: 1287.660+/-0.147 χ^2/NDF:582660.0/54

Out: 1297.114+/-0.146 χ^2/NDF:703917.2/60

All: 1292.419+/-0.104 χ^2/NDF: 1288652.0/11

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: -720.893+/-892.903 χ^2/NDF: 47.3/35

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

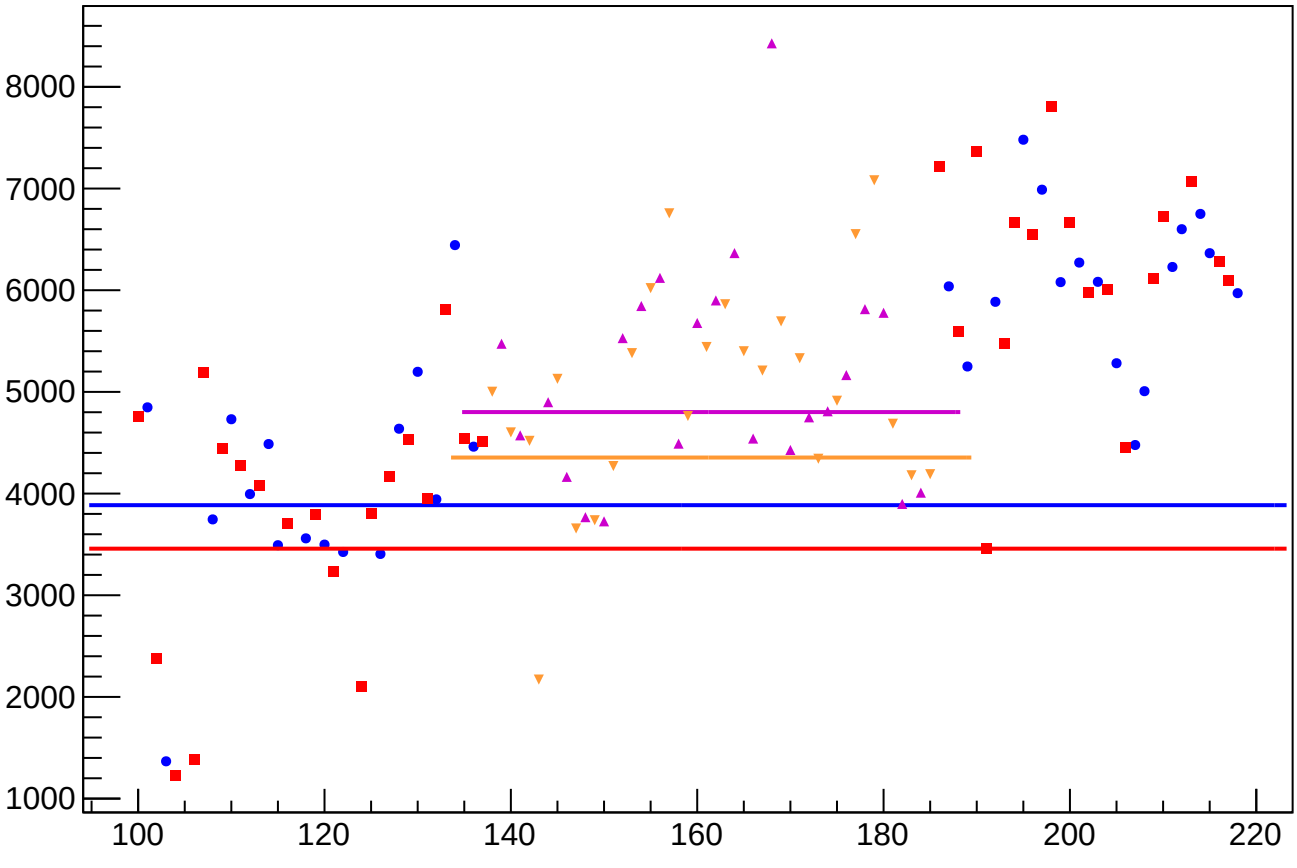
Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

Right: -195.685+/-655.931 χ^2/NDF: 87.0/67

In: 195.456+/-738.585 χ^2/NDF:52.6/54

Out: -596.563+/-676.925 χ^2/NDF:77.2/60

All: -234.989+/-499.035 χ^2/NDF: 130.4/115



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: 3458.180+/-0.631 χ^2/NDF: 10265796.2/35

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

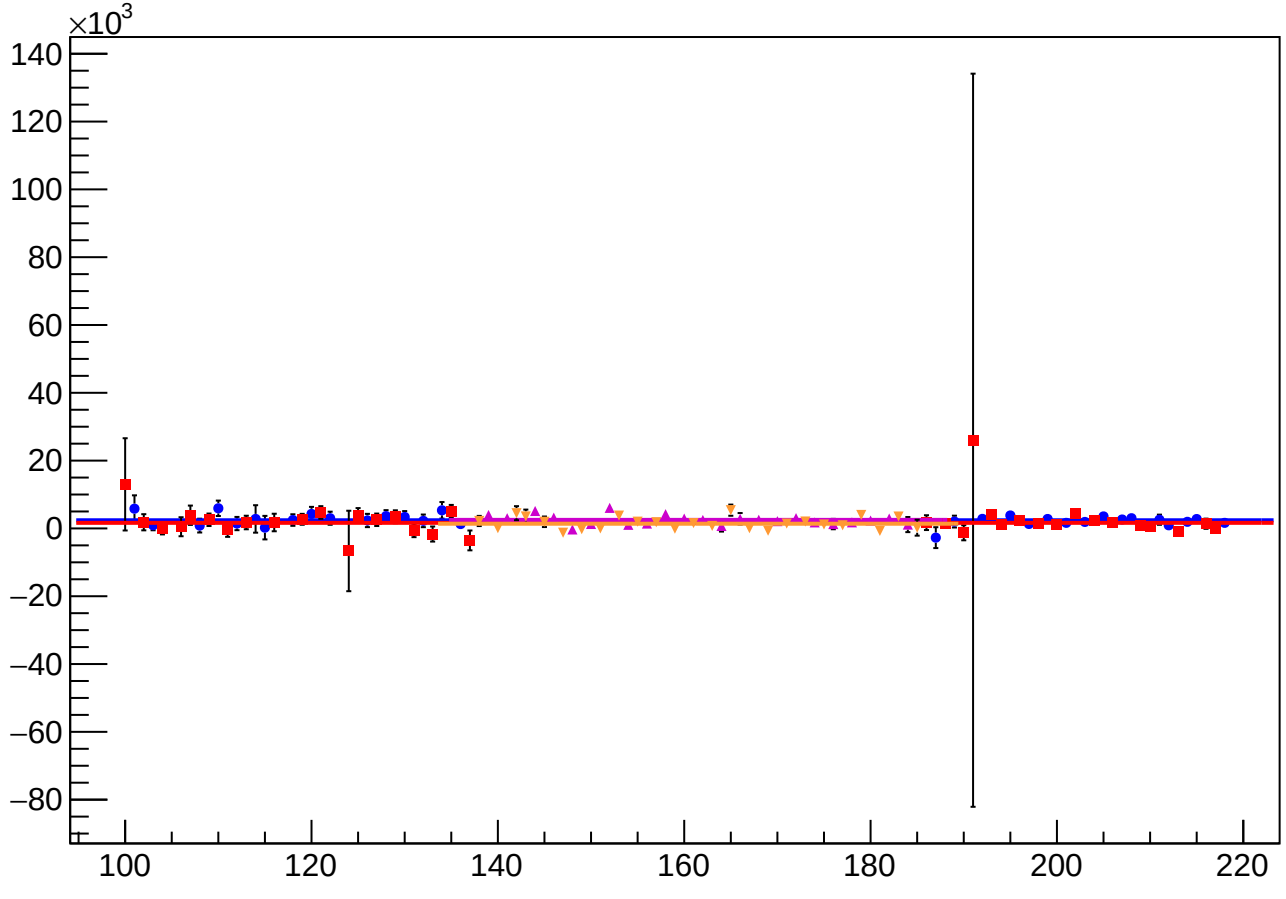
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3655.100+/-0.464 χ^2/NDF: 18195928.8/67

In: 4267.130+/-0.522 χ^2/NDF:9697632.9/54

Out: 3839.359+/-0.479 χ^2/NDF:14194324.4/60

All: 4034.646+/-0.353 χ^2/NDF: 24256569.8/



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: 1648.549+/-292.470 χ^2/NDF: 34.4/35

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

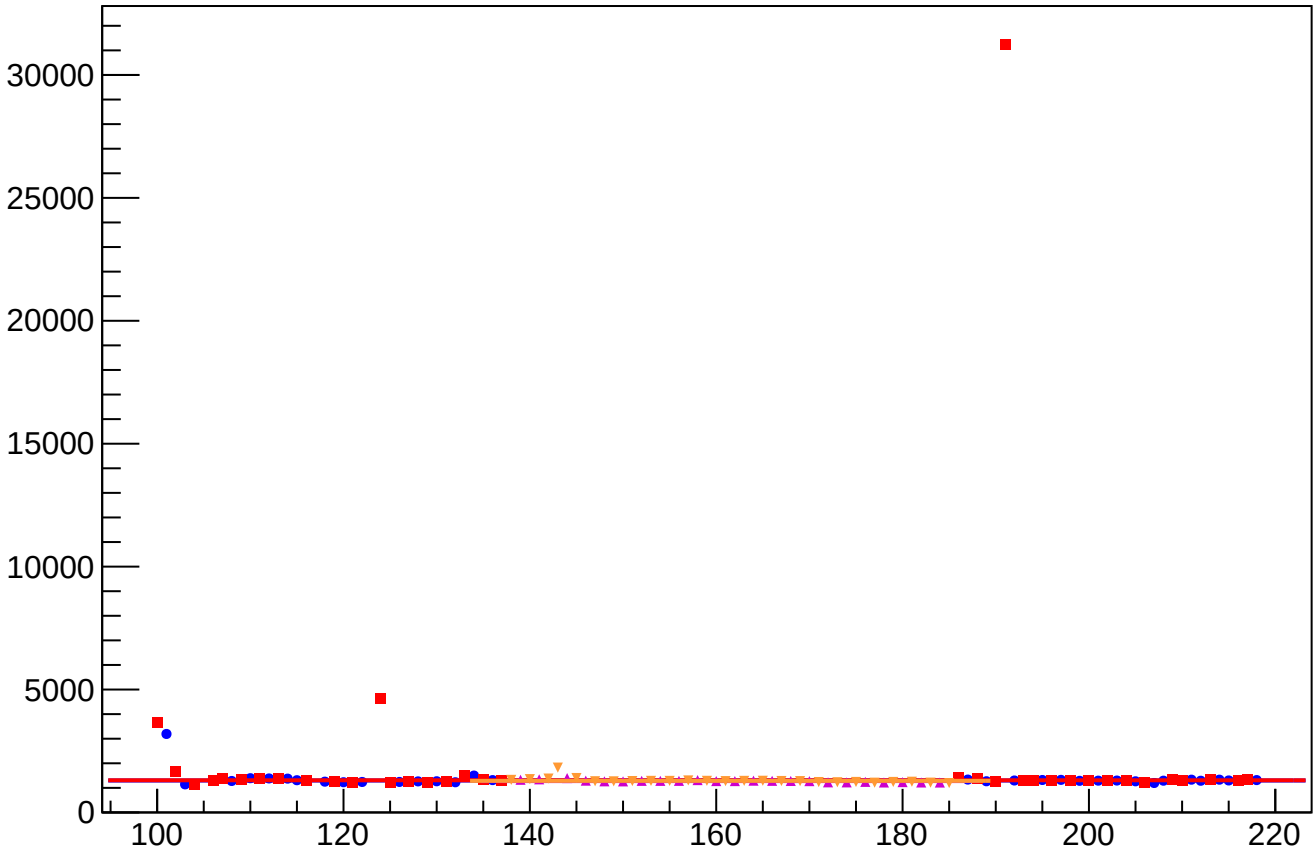
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2028.545+/-206.296 χ^2/NDF: 54.4/67

In: 2460.710+/-208.241 χ^2/NDF:39.2/54

Out: 1516.008+/-206.916 χ^2/NDF:67.8/60

All: 1985.342+/-146.778 χ^2/NDF: 117.3/115



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: 1308.924+/-0.207 χ^2/NDF: 506420.0/35

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

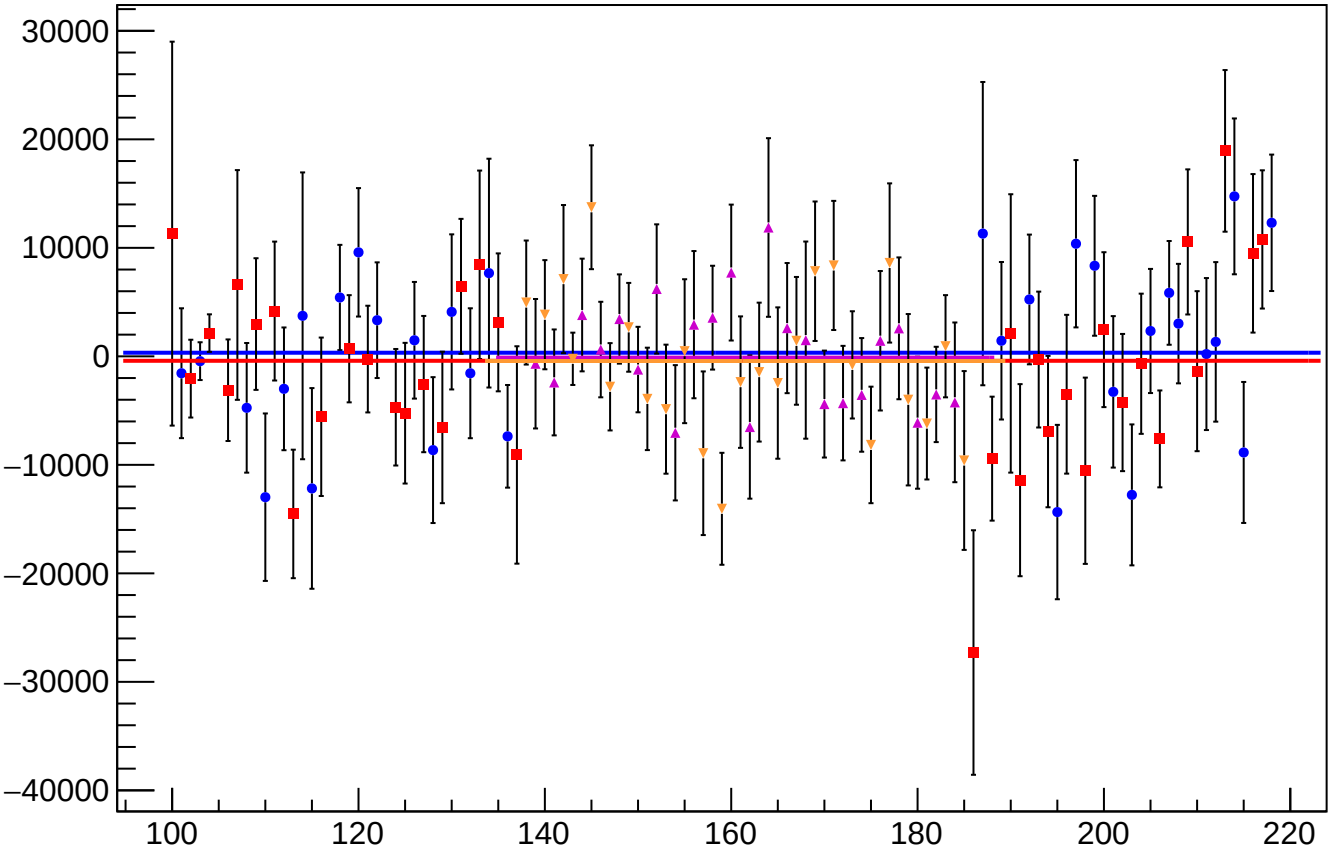
Right: 1303.856+/-0.146 χ^2/NDF: 1042842.0/67

In: 1287.660+/-0.147 χ^2/NDF:582661.5/54

Out: 1297.306+/-0.146 χ^2/NDF:703777.8/60

All: 1292.516+/-0.104 χ^2/NDF: 1288599.4/11

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: -409.789+/-918.349 χ^2/NDF: 45.8/35

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

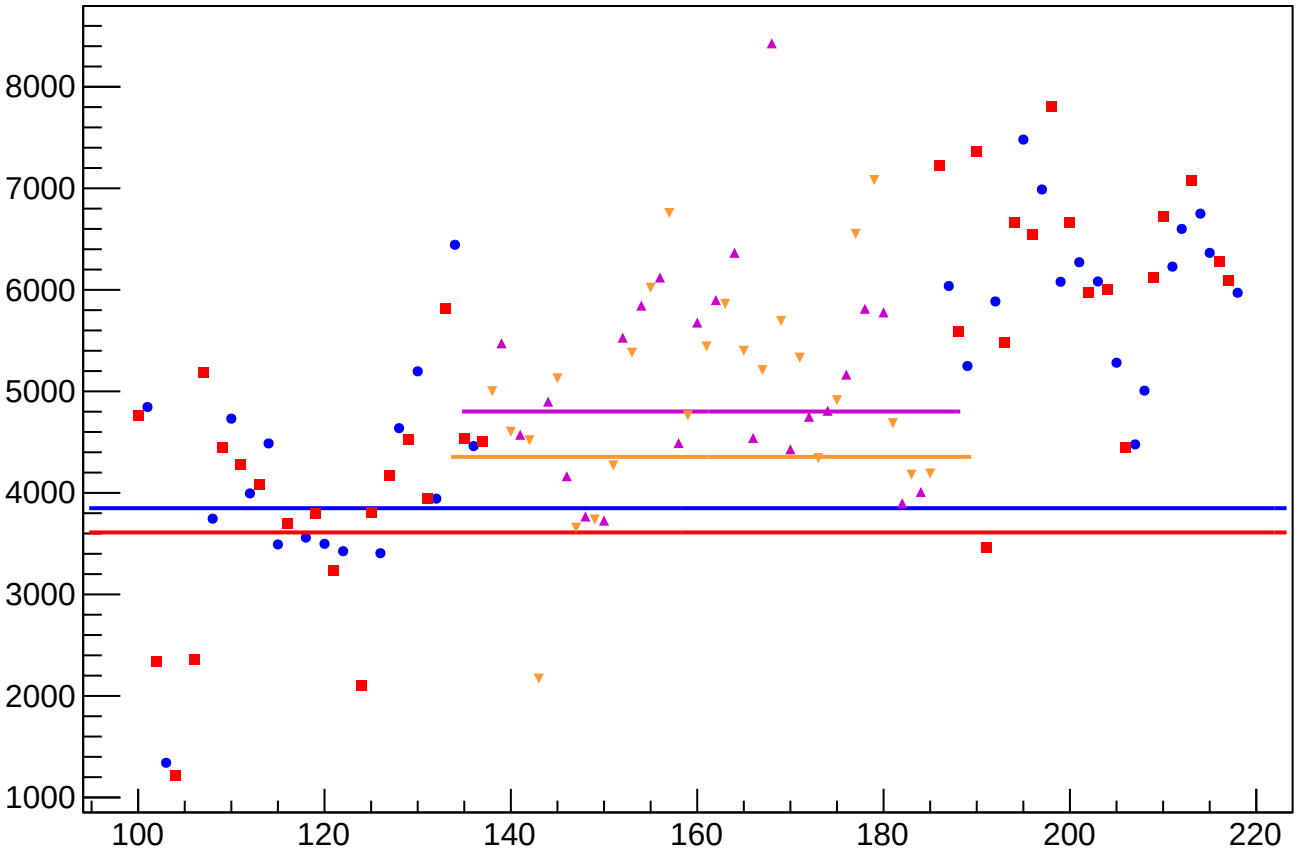
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -55.069+/-663.992 χ^2/NDF: 85.1/67

In: 146.261+/-736.089 χ^2/NDF:52.7/54

Out: -418.015+/-687.812 χ^2/NDF:75.6/60

All: -154.987+/-502.558 χ^2/NDF: 128.6/115



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: 3610.650+/-0.649 χ^2/NDF: 9382822.3/35

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

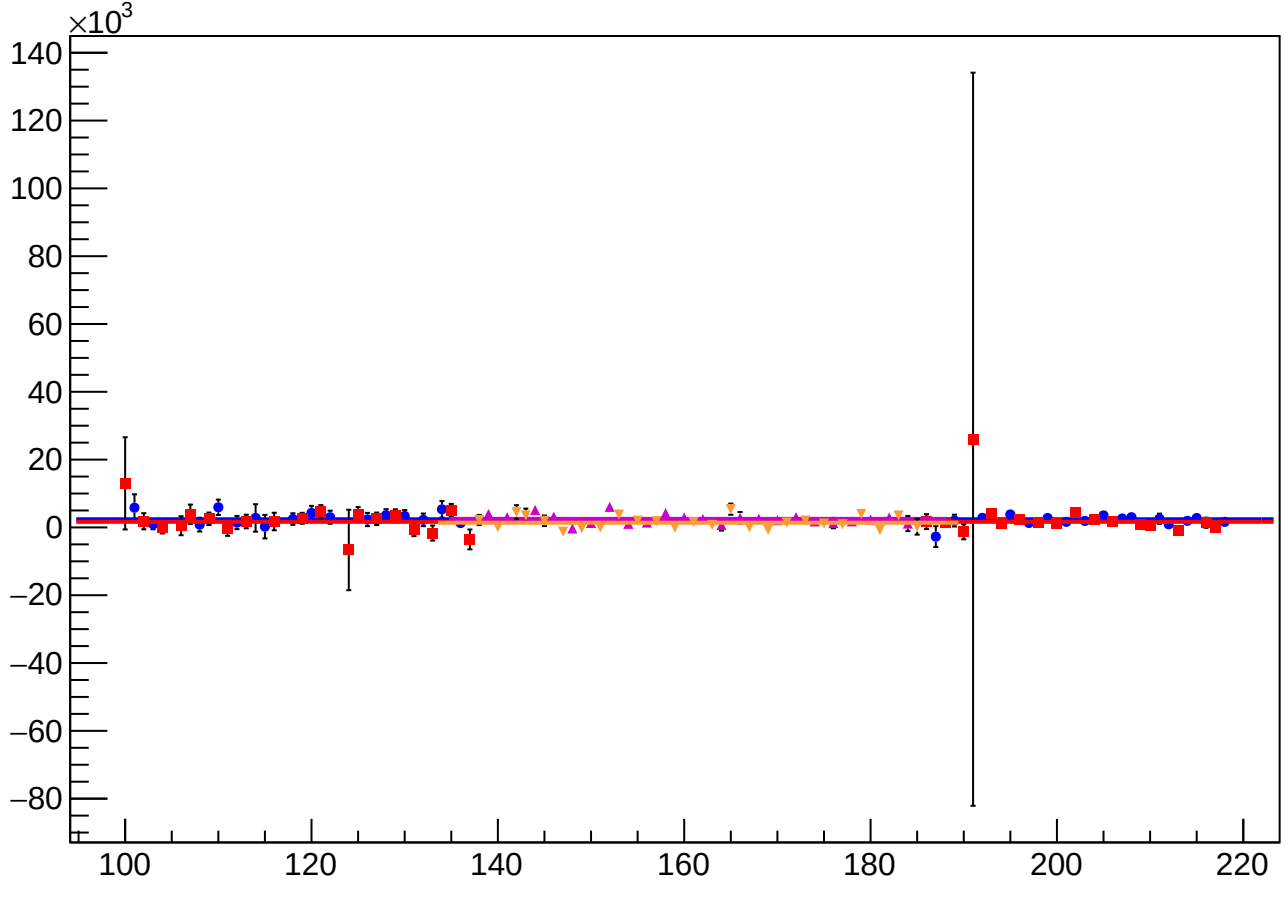
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3724.531+/-0.470 χ^2/NDF: 17405170.3/67

In: 4243.057+/-0.520 χ^2/NDF:10001605.2/54

Out: 3937.243+/-0.486 χ^2/NDF:13030470.5/60

All: 4079.793+/-0.355 χ^2/NDF: 23216372.6/1



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: 1648.549+/-292.470 χ^2/NDF: 34.4/35

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

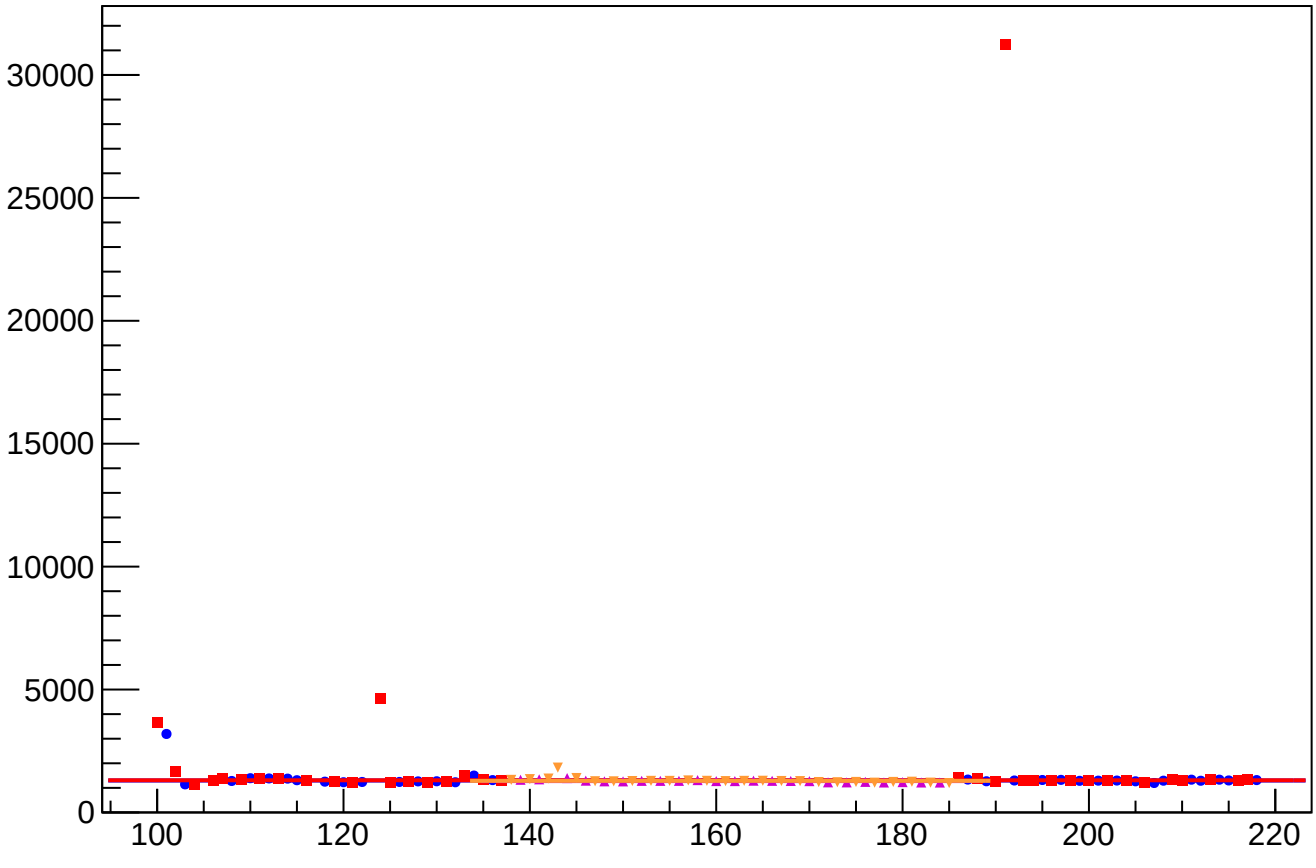
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2028.545+/-206.296 χ^2/NDF: 54.4/67

In: 2460.710+/-208.241 χ^2/NDF:39.2/54

Out: 1516.008+/-206.916 χ^2/NDF:67.8/60

All: 1985.342+/-146.778 χ^2/NDF: 117.3/115



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: 1308.924+/-0.207 χ^2/NDF: 506420.0/35

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

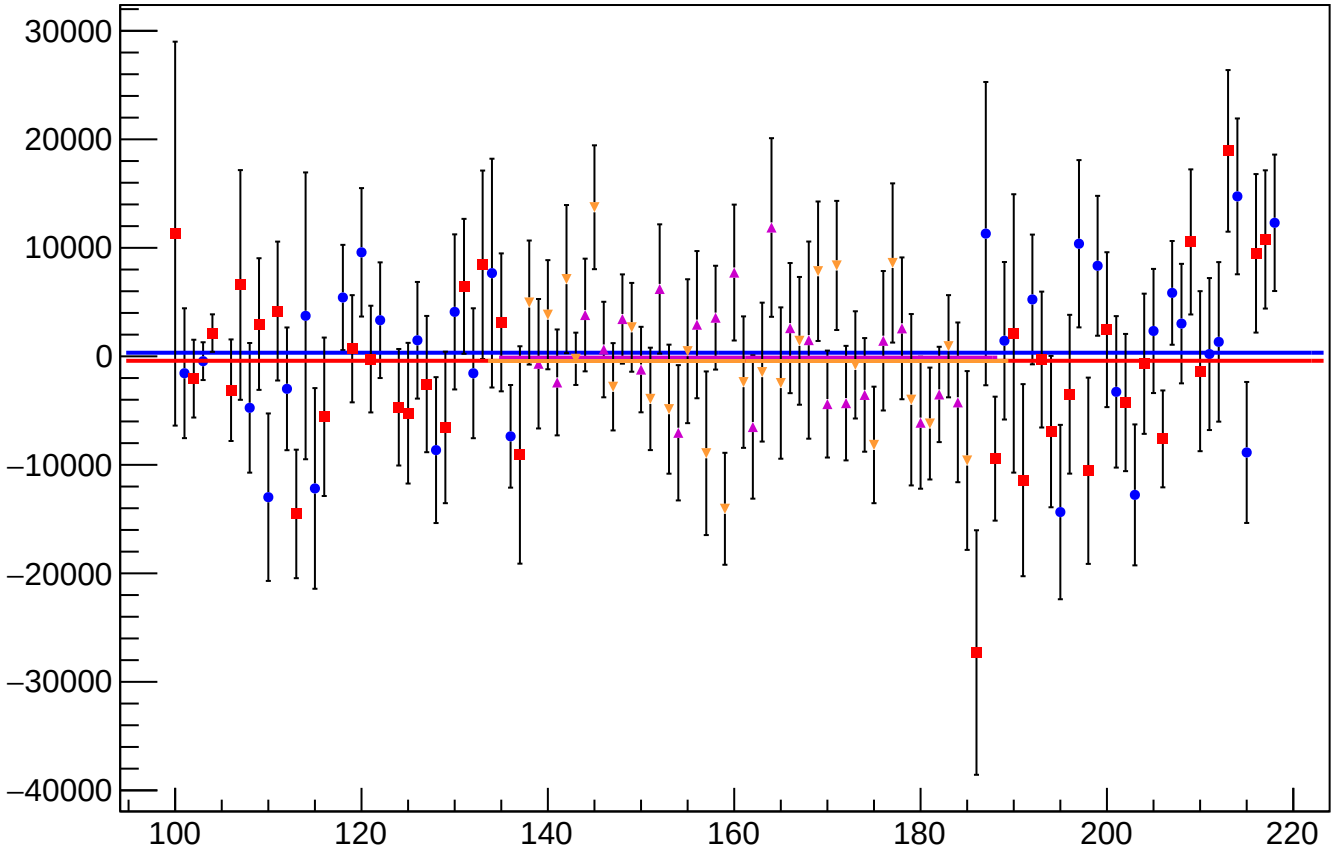
Right: 1303.856+/-0.146 χ^2/NDF: 1042842.0/67

In: 1287.660+/-0.147 χ^2/NDF:582661.5/54

Out: 1297.306+/-0.146 χ^2/NDF:703777.8/60

All: 1292.516+/-0.104 χ^2/NDF: 1288599.4/11

asym_atl_avg_atr_avg_avg_eigen_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: -409.789+/-918.349 χ^2/NDF: 45.8/35

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

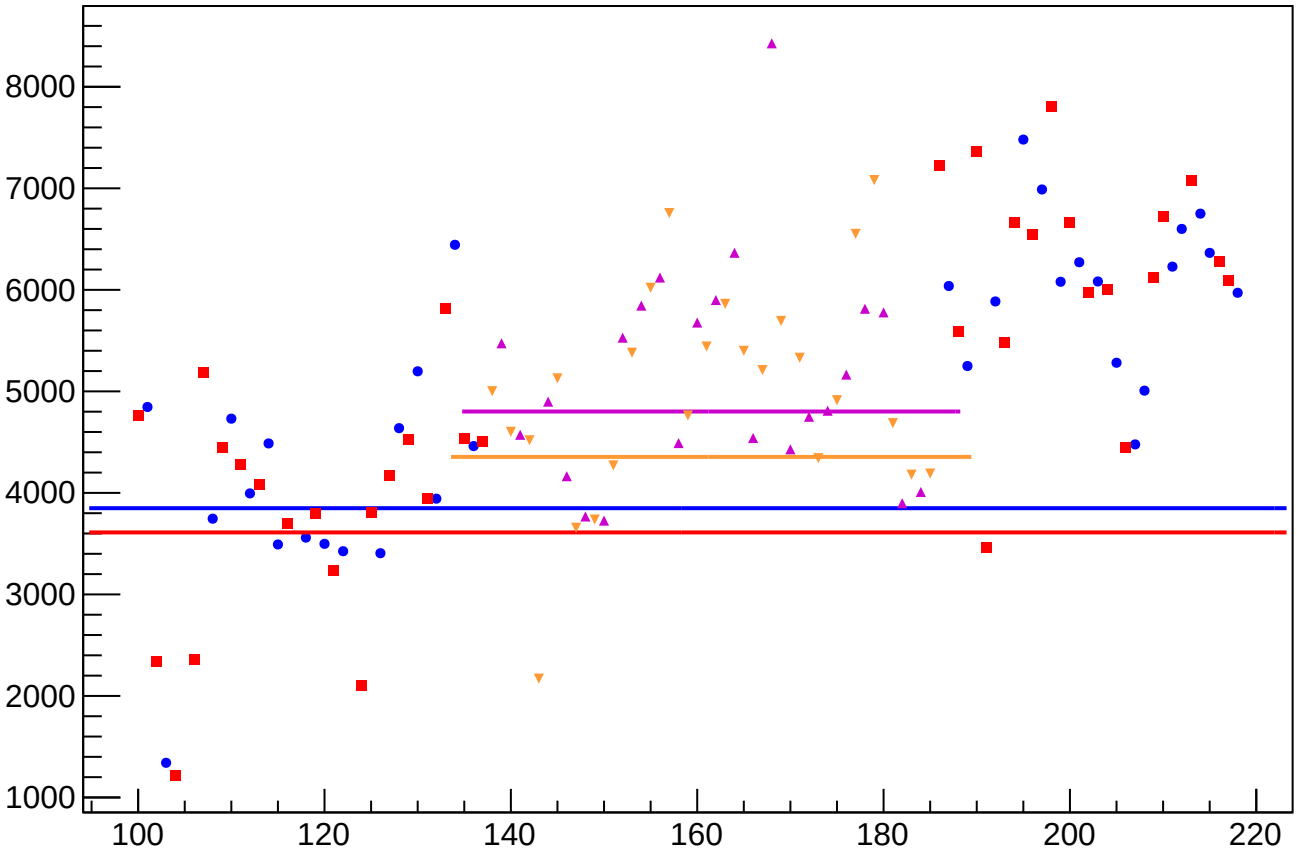
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -55.069+/-663.992 χ^2/NDF: 85.1/67

In: 146.261+/-736.089 χ^2/NDF:52.7/54

Out: -418.015+/-687.812 χ^2/NDF:75.6/60

All: -154.987+/-502.558 χ^2/NDF: 128.6/115



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: 3610.650+/-0.649 χ^2/NDF: 9382822.3/35

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

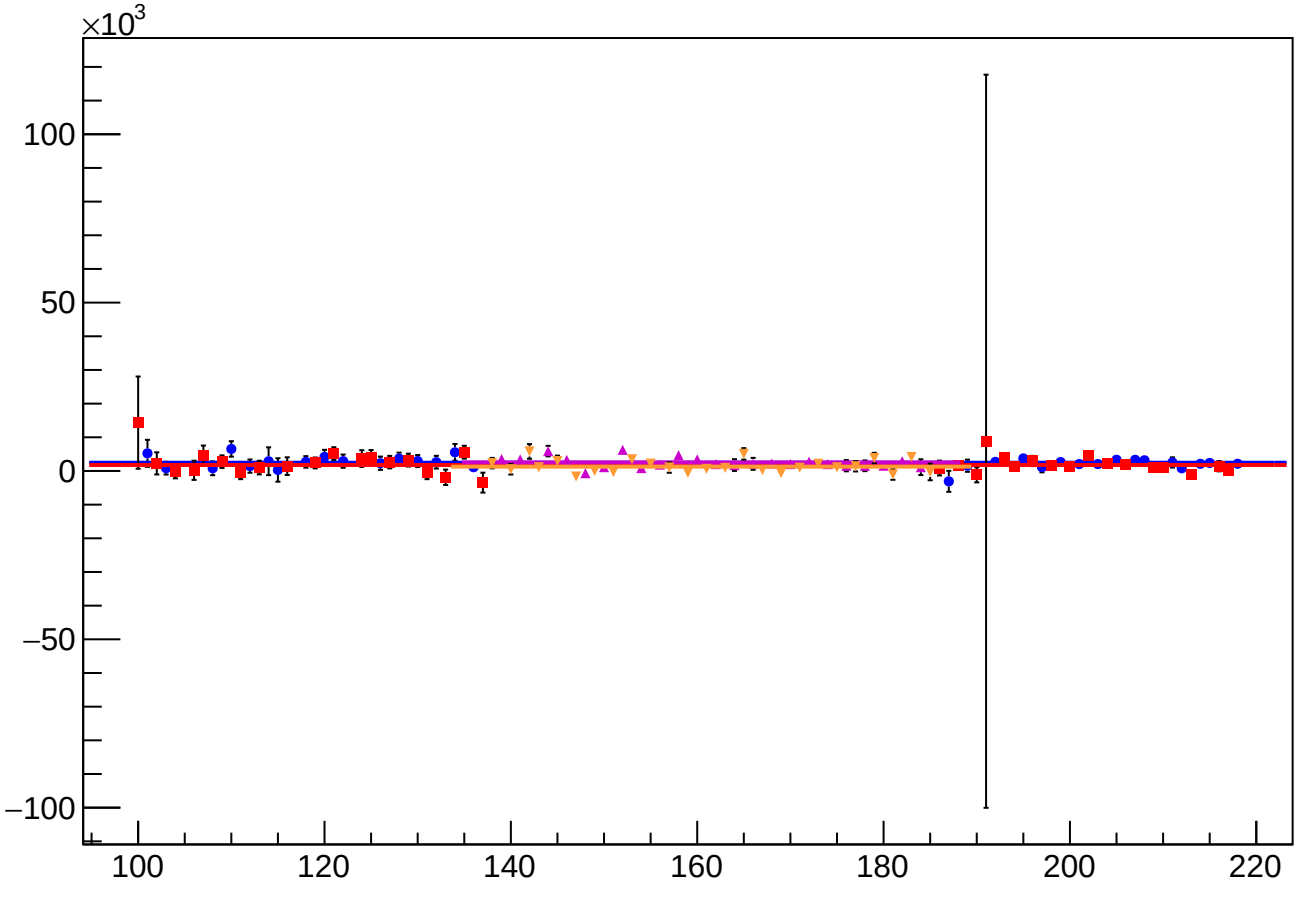
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3724.531+/-0.470 χ^2/NDF: 17405170.3/67

In: 4243.057+/-0.520 χ^2/NDF:10001605.2/54

Out: 3937.243+/-0.486 χ^2/NDF:13030470.5/60

All: 4079.793+/-0.355 χ^2/NDF: 23216372.6/1



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: 1778.035+/-298.285 χ^2/NDF: 36.0/35

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

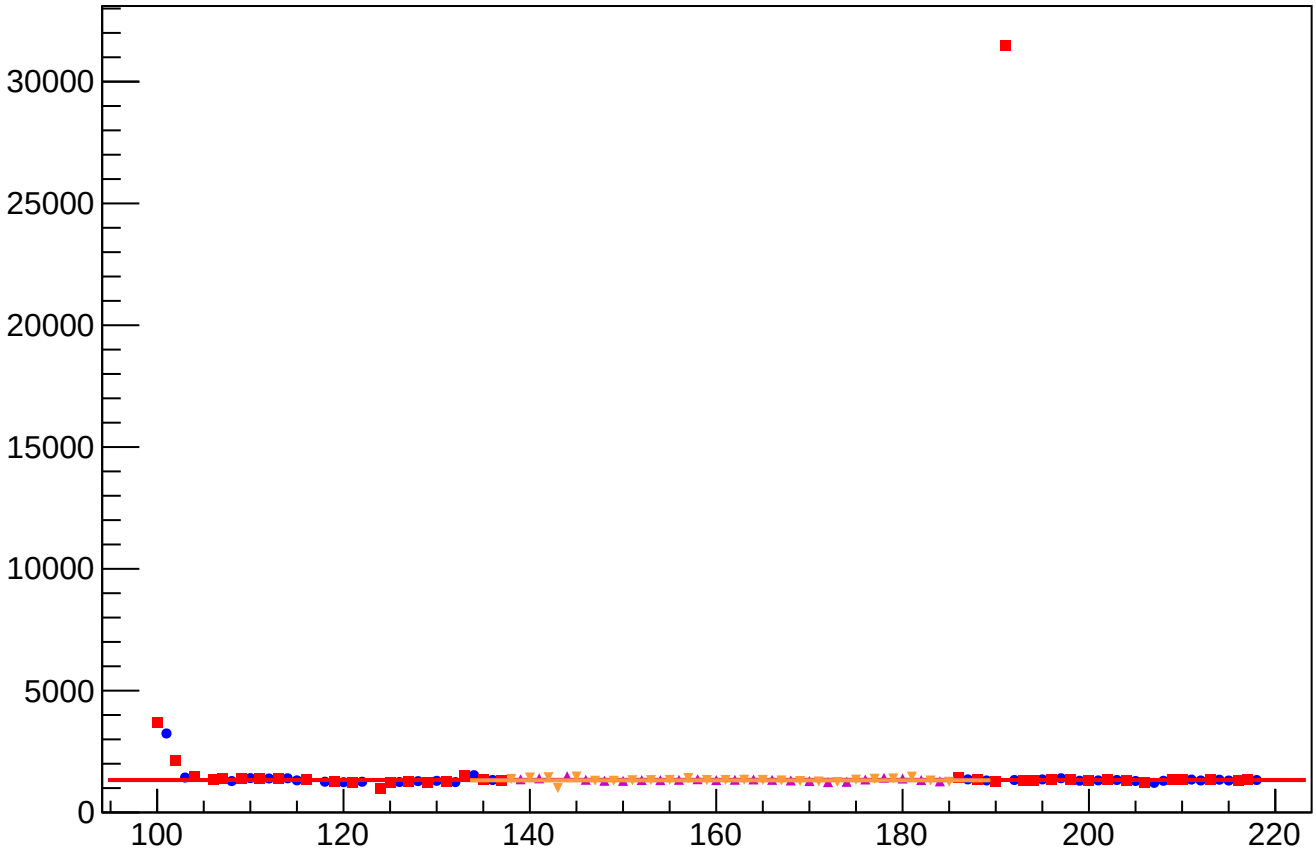
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2112.787+/-210.795 χ^2/NDF: 55.6/67

In: 2487.193+/-215.764 χ^2/NDF:42.1/54

Out: 1533.079+/-211.708 χ^2/NDF:70.8/60

All: 2001.084+/-151.114 χ^2/NDF: 122.8/115



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: 1333.281+/-0.211 χ^2/NDF: 448756.3/35

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

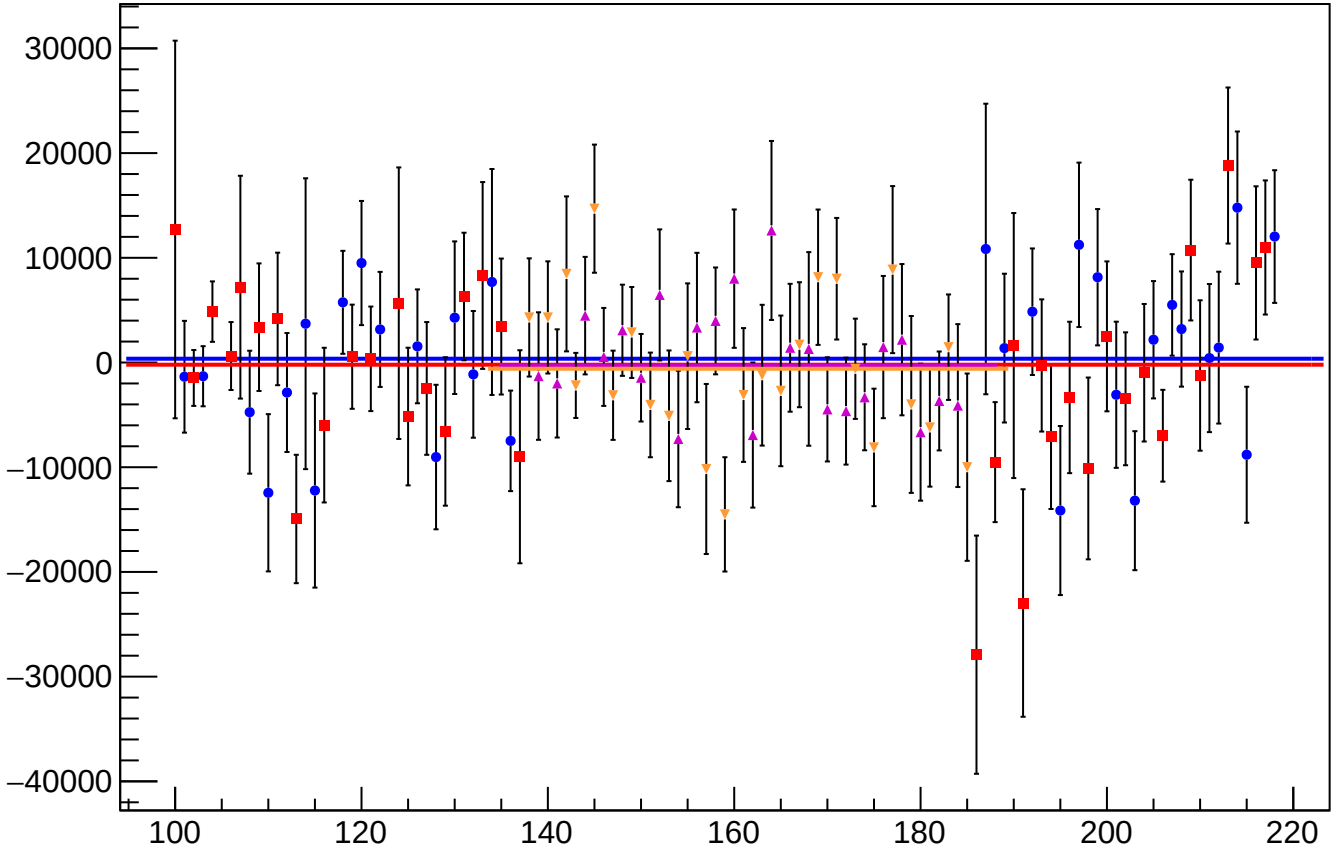
Right: 1331.387+/-0.149 χ^2/NDF: 972331.2/67

In: 1333.827+/-0.153 χ^2/NDF:578550.5/54

Out: 1325.786+/-0.150 χ^2/NDF:699850.1/60

All: 1329.730+/-0.107 χ^2/NDF: 1279816.2/11

asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



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: -208.133+/-978.160 χ^2/NDF: 48.7/35

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

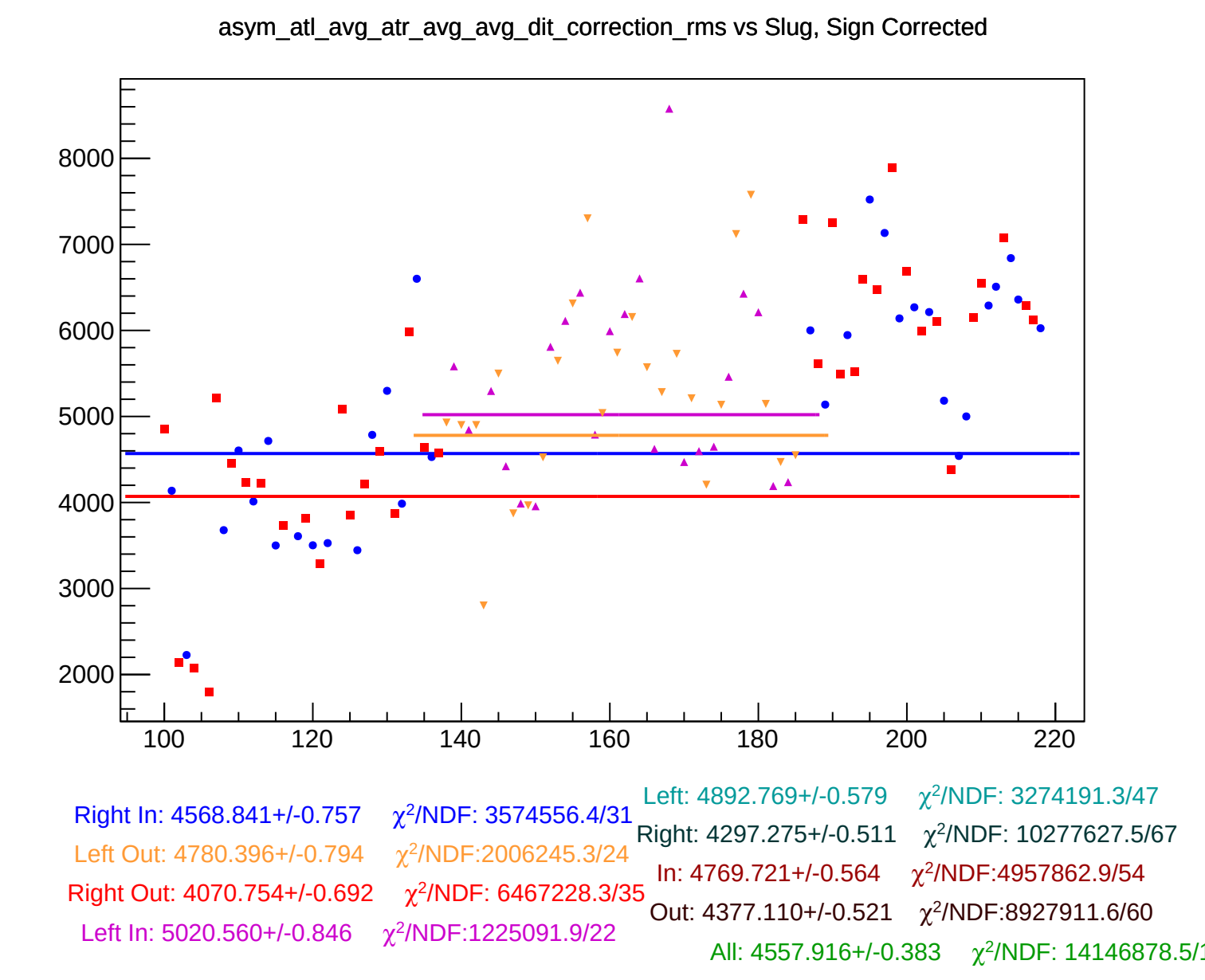
Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

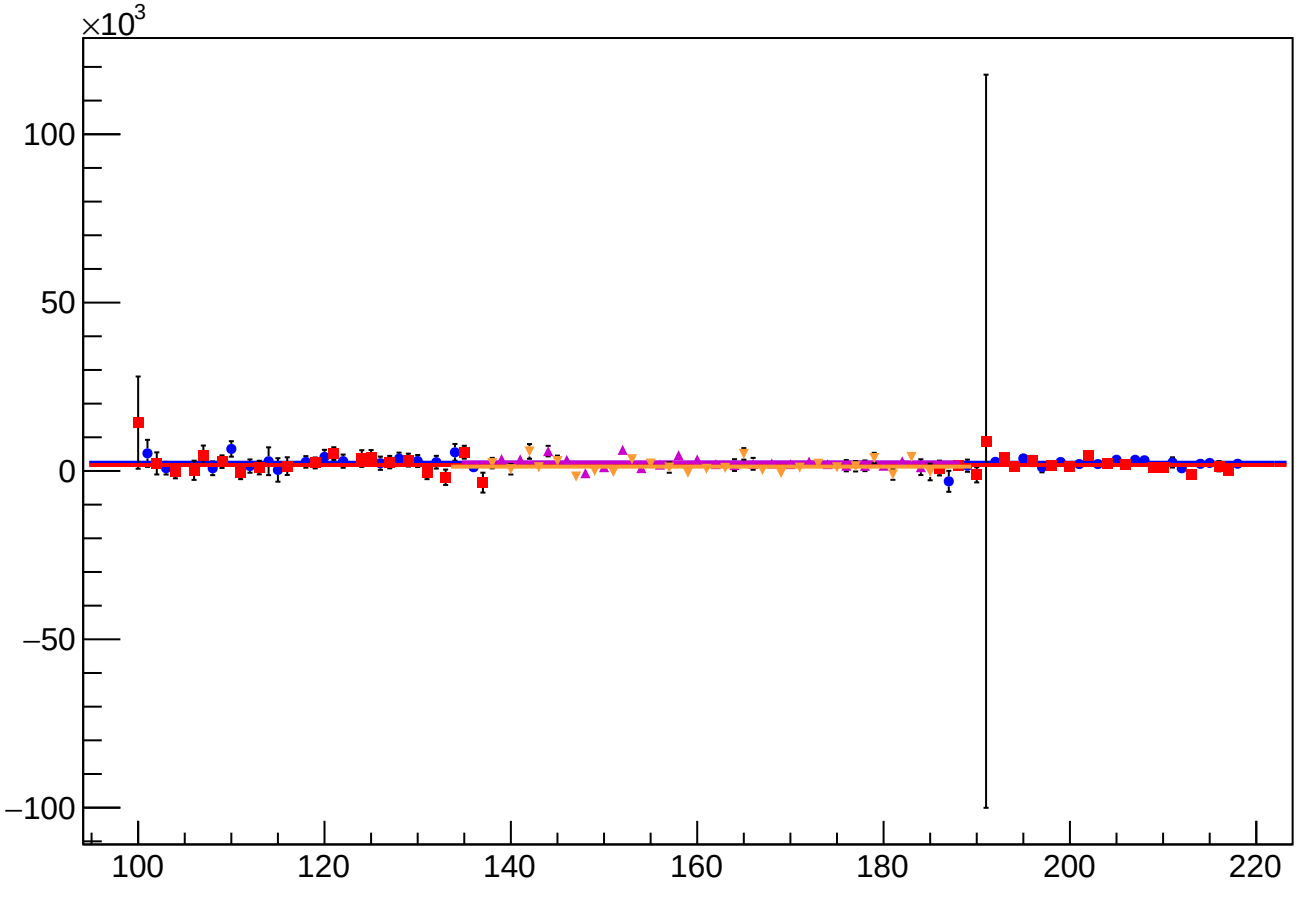
Right: 51.297+/-722.263 χ^2/NDF: 87.4/67

In: 79.829+/-798.100 χ^2/NDF:52.1/54

Out: -375.109+/-737.390 χ^2/NDF:78.3/60

All: -165.600+/-541.606 χ^2/NDF: 130.6/115


asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 4568.841+/-0.757 χ²/NDF: 3574556.4/31
Left Out: 4780.396+/-0.794 χ²/NDF:2006245.3/24
Right Out: 4070.754+/-0.692 χ²/NDF: 6467228.3/35
Left In: 5020.560+/-0.846 χ²/NDF:1225091.9/22
Left: 4892.769+/-0.579 χ²/NDF: 3274191.3/47
Right: 4297.275+/-0.511 χ²/NDF: 10277627.5/67
In: 4769.721+/-0.564 χ²/NDF:4957862.9/54
Out: 4377.110+/-0.521 χ²/NDF:8927911.6/60
All: 4557.916+/-0.383 χ²/NDF: 14146878.5/



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: 1778.034+/-298.284 χ^2/NDF: 36.0/35

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

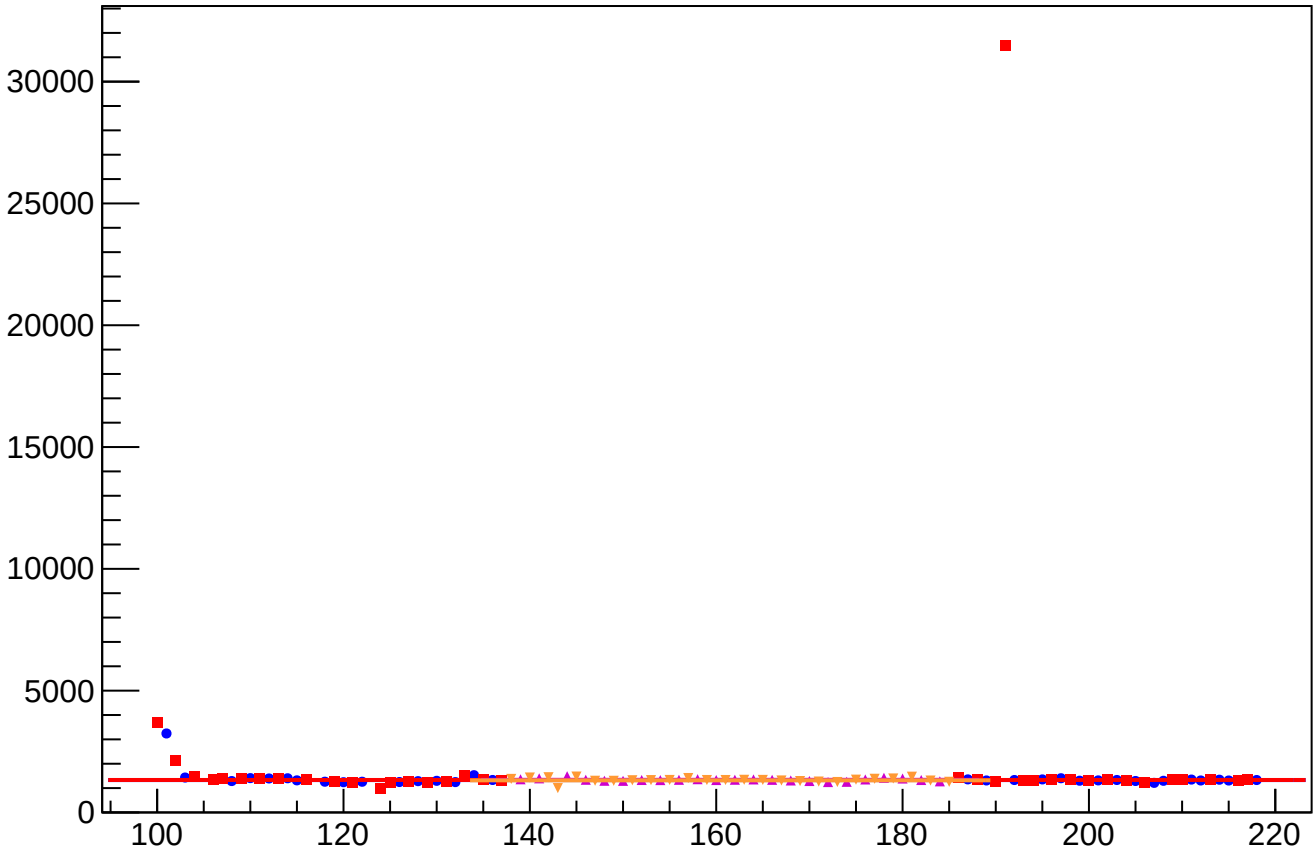
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2112.785+/-210.795 χ^2/NDF: 55.6/67

In: 2487.191+/-215.764 χ^2/NDF:42.1/54

Out: 1533.076+/-211.708 χ^2/NDF:70.8/60

All: 2001.082+/-151.114 χ^2/NDF: 122.8/115



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: 1333.280+/-0.211 χ^2/NDF: 448755.3/35

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

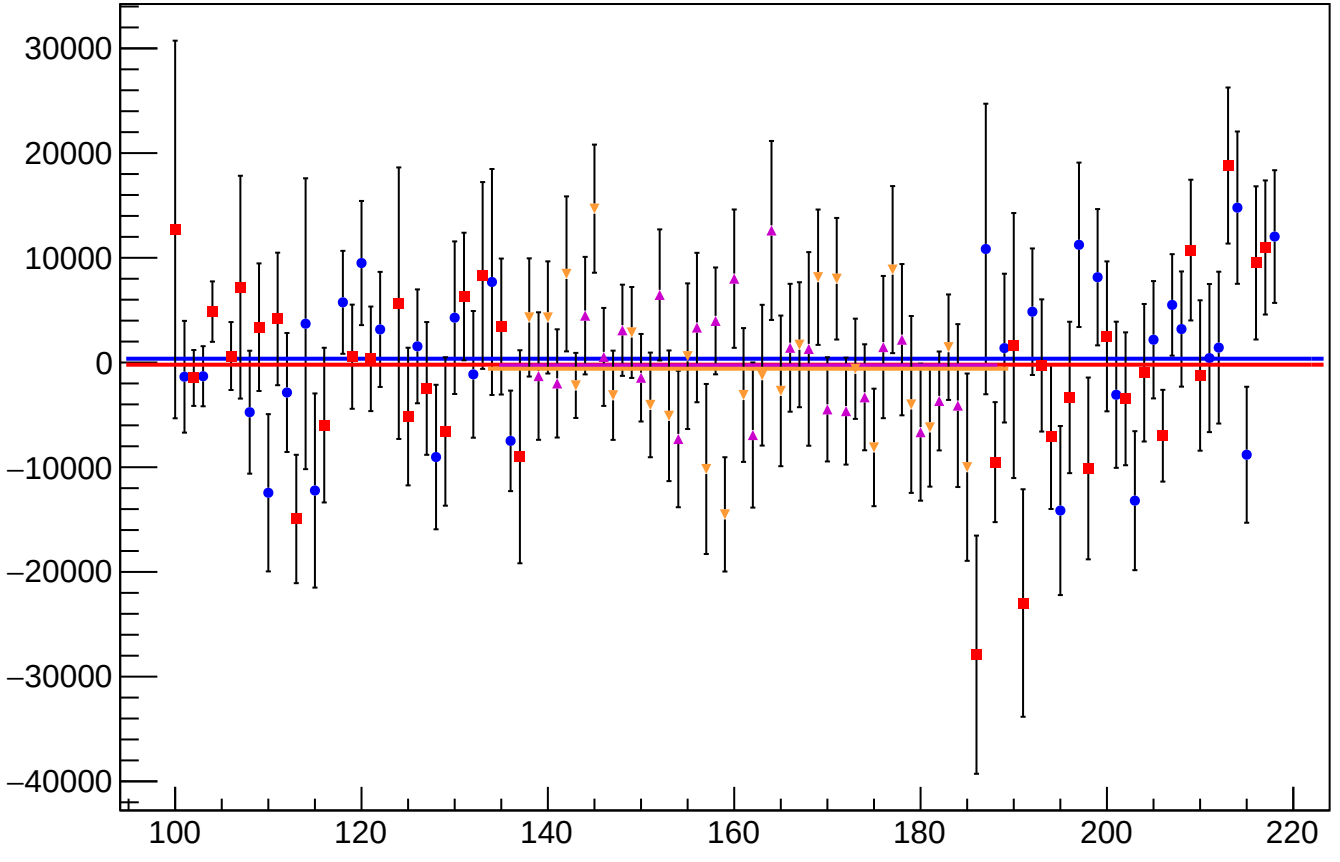
Right: 1331.387+/-0.149 χ^2/NDF: 972330.4/67

In: 1333.828+/-0.153 χ^2/NDF:578553.5/54

Out: 1325.786+/-0.150 χ^2/NDF:699851.1/60

All: 1329.730+/-0.107 χ^2/NDF: 1279820.2/11

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 362.318+/-1071.011 χ^2/NDF: 38.5/31

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

Right Out: -208.130+/-978.159 χ^2/NDF: 48.7/35

Left In: -272.917+/-1196.806 χ^2/NDF:13.4/22

Left: -444.254+/-818.655 χ^2/NDF: 43.0/47

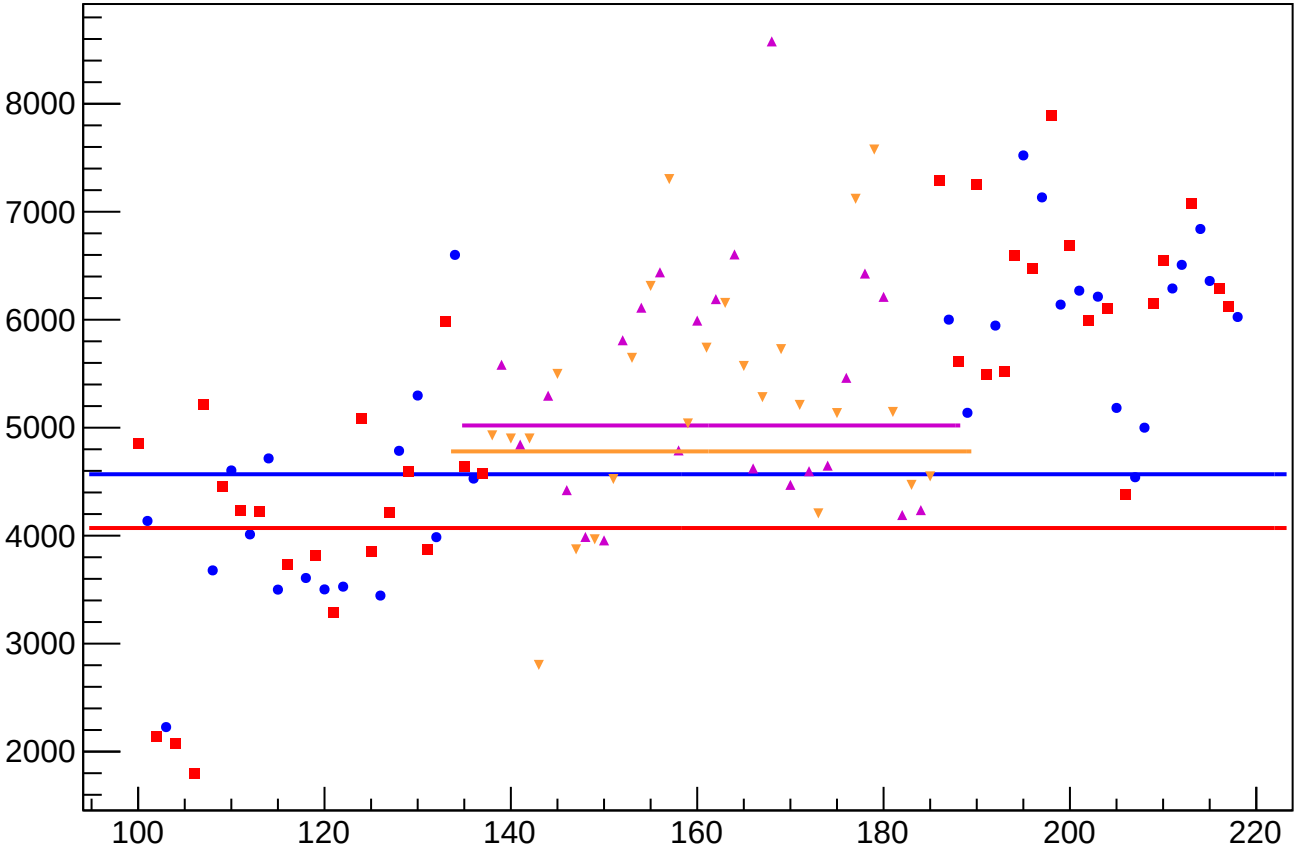
Right: 51.299+/-722.262 χ^2/NDF: 87.4/67

In: 79.829+/-798.101 χ^2/NDF:52.1/54

Out: -375.108+/-737.390 χ^2/NDF:78.3/60

All: -165.599+/-541.606 χ^2/NDF: 130.6/115

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4568.836+/-0.757 χ^2/NDF: 3574595.0/31

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 4070.746+/-0.692 χ^2/NDF: 6467276.1/35

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

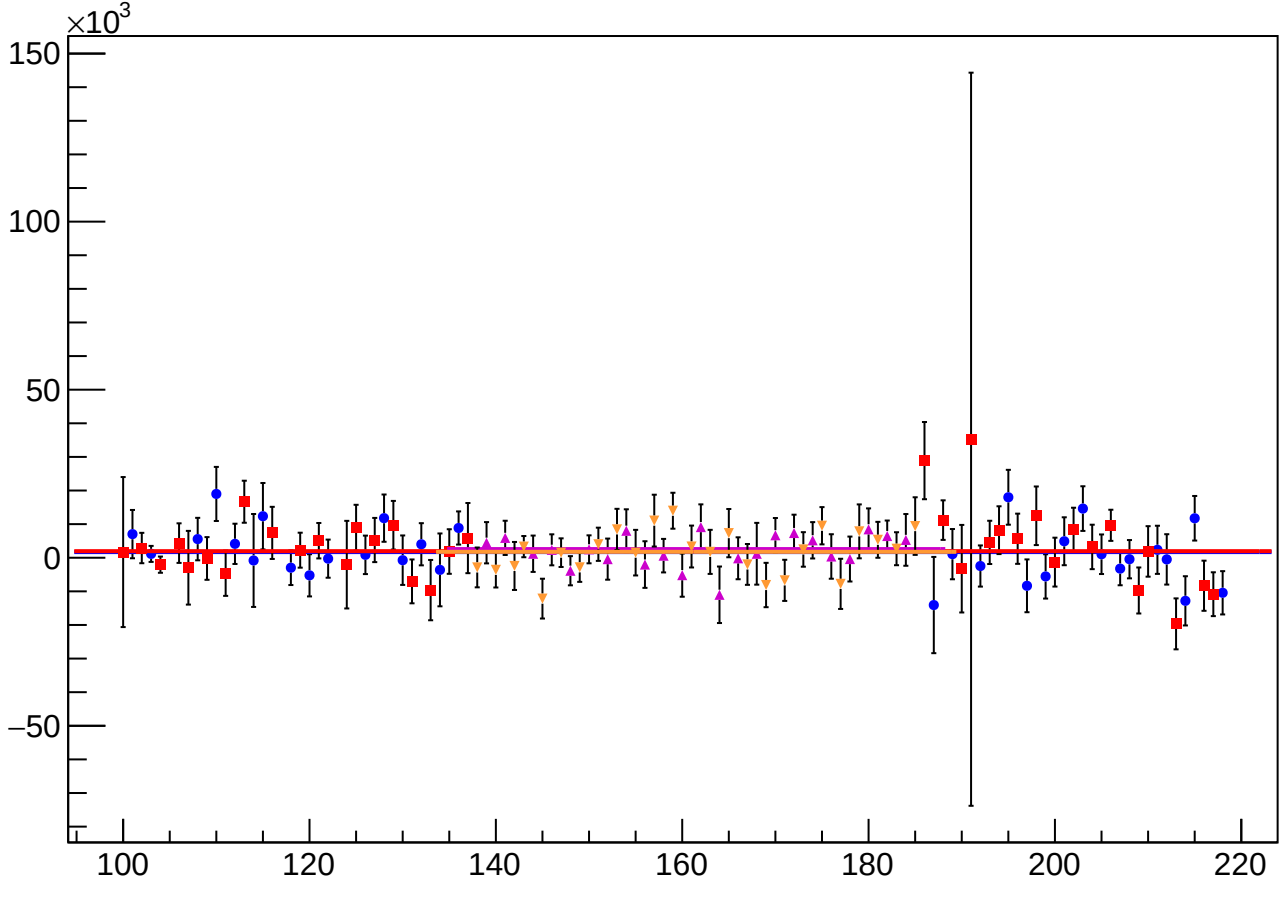
Right: 4297.268+/-0.511 χ^2/NDF: 10277716.9/67

In: 4769.721+/-0.564 χ^2/NDF:4957913.8/54

Out: 4377.107+/-0.521 χ^2/NDF:8927980.8/60

All: 4557.915+/-0.383 χ^2/NDF: 14147001.4/1

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: 1960.372+/-1061.698 χ^2/NDF: 48.5/35

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

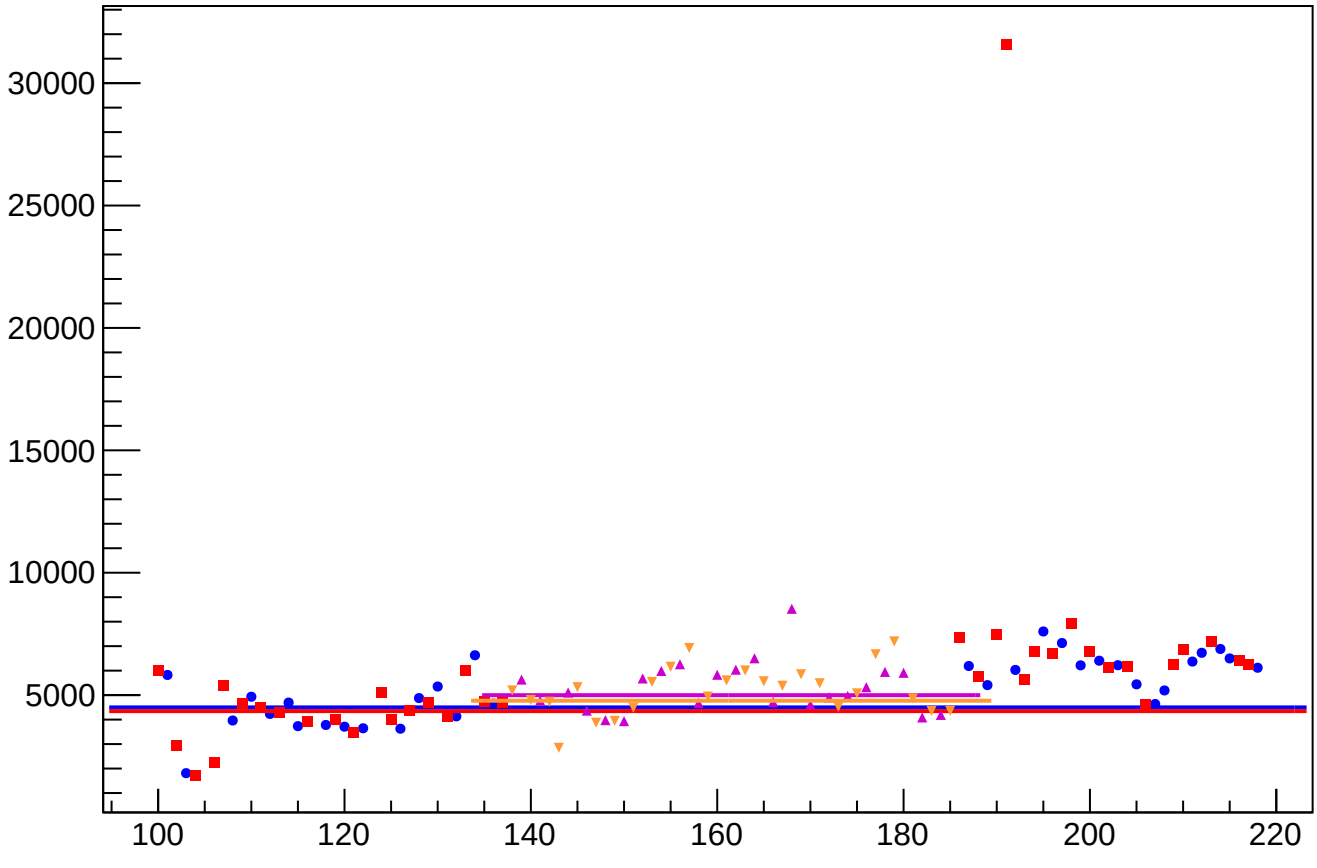
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

Right: 1822.456+/-754.977 χ^2/NDF: 85.9/67

In: 2085.247+/-796.750 χ^2/NDF:50.9/54

Out: 1866.000+/-769.291 χ^2/NDF:76.2/60

All: 1971.780+/-553.424 χ^2/NDF: 127.2/115



Right In: 4497.567+/-0.759 χ^2/NDF: 4956660.0/31

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

Right Out: 4345.903+/-0.744 χ^2/NDF: 6041346.2/35

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

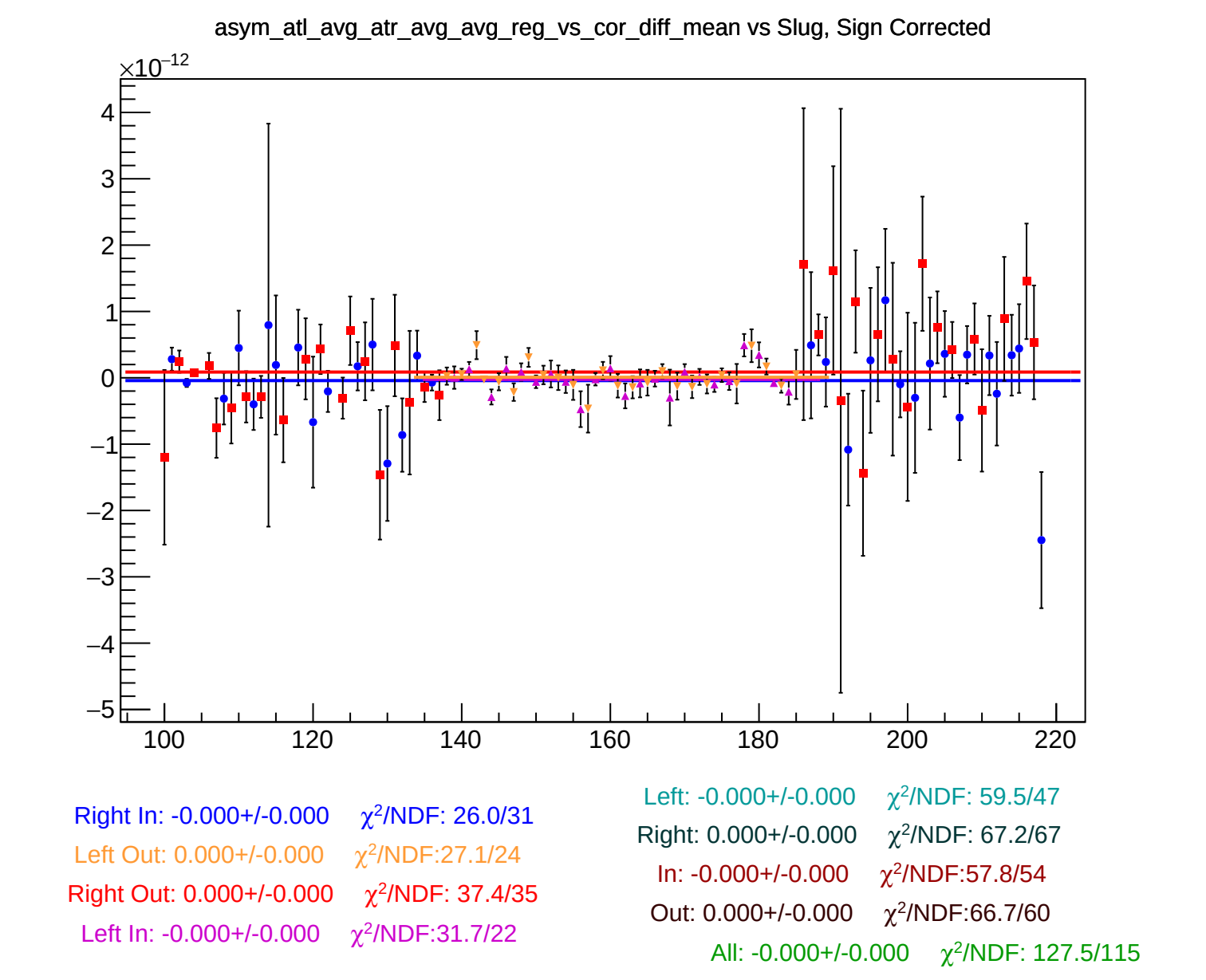
Left: 4876.890+/-0.575 χ^2/NDF: 2921229.4/47

Right: 4420.214+/-0.531 χ^2/NDF: 11018355.1/67

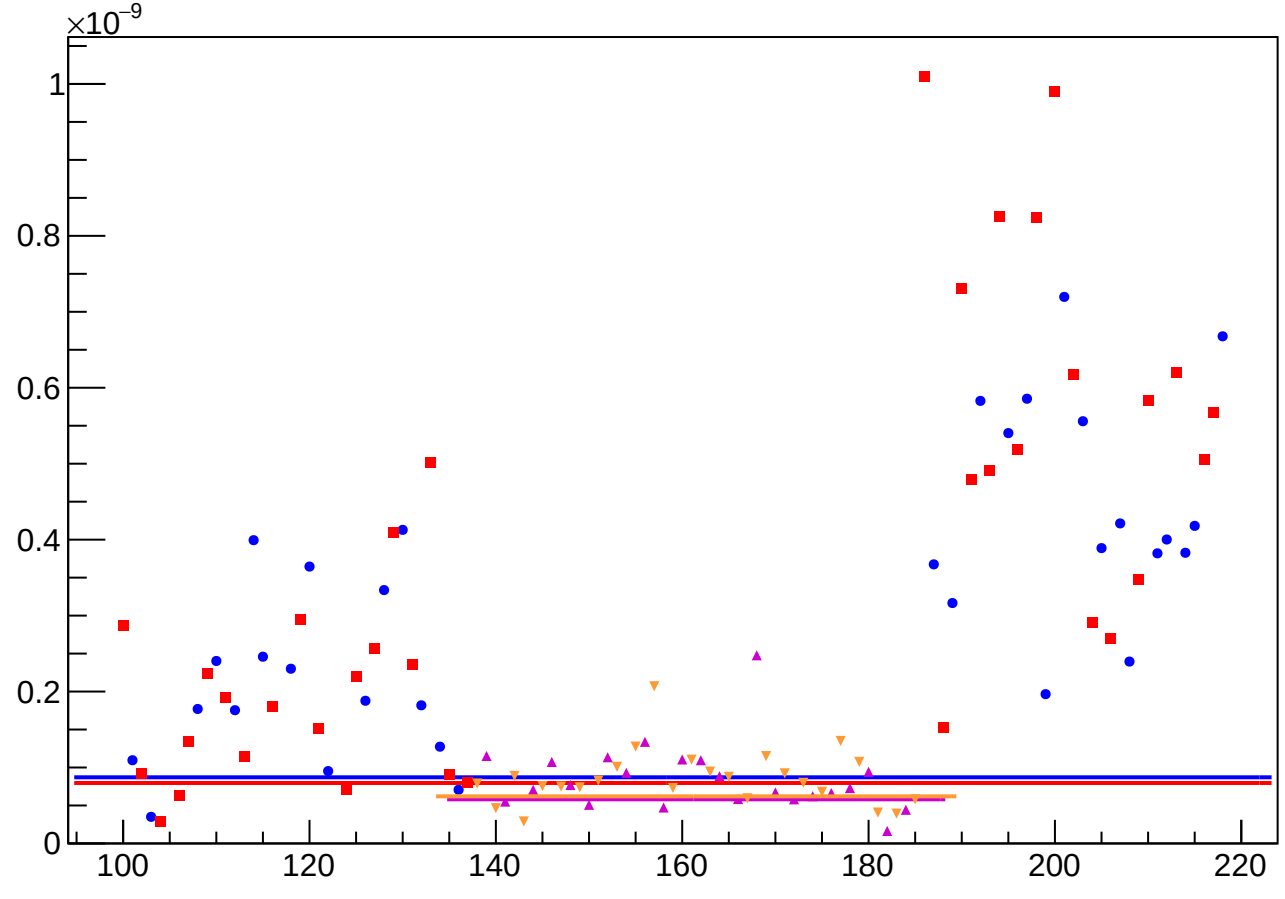
In: 4721.911+/-0.563 χ^2/NDF:6246774.8/54

Out: 4546.051+/-0.541 χ^2/NDF:7982112.0/60

All: 4630.495+/-0.390 χ^2/NDF: 14279537.0/1


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 26.0/31
Left Out: 0.000+/-0.000 χ²/NDF:27.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 37.4/35
Left In: -0.000+/-0.000 χ²/NDF:31.7/22
Left: -0.000+/-0.000 χ²/NDF: 59.5/47
Right: 0.000+/-0.000 χ²/NDF: 67.2/67
In: -0.000+/-0.000 χ²/NDF:57.8/54
Out: 0.000+/-0.000 χ²/NDF:66.7/60
All: -0.000+/-0.000 χ²/NDF: 127.5/115

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 11214340.3/35

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

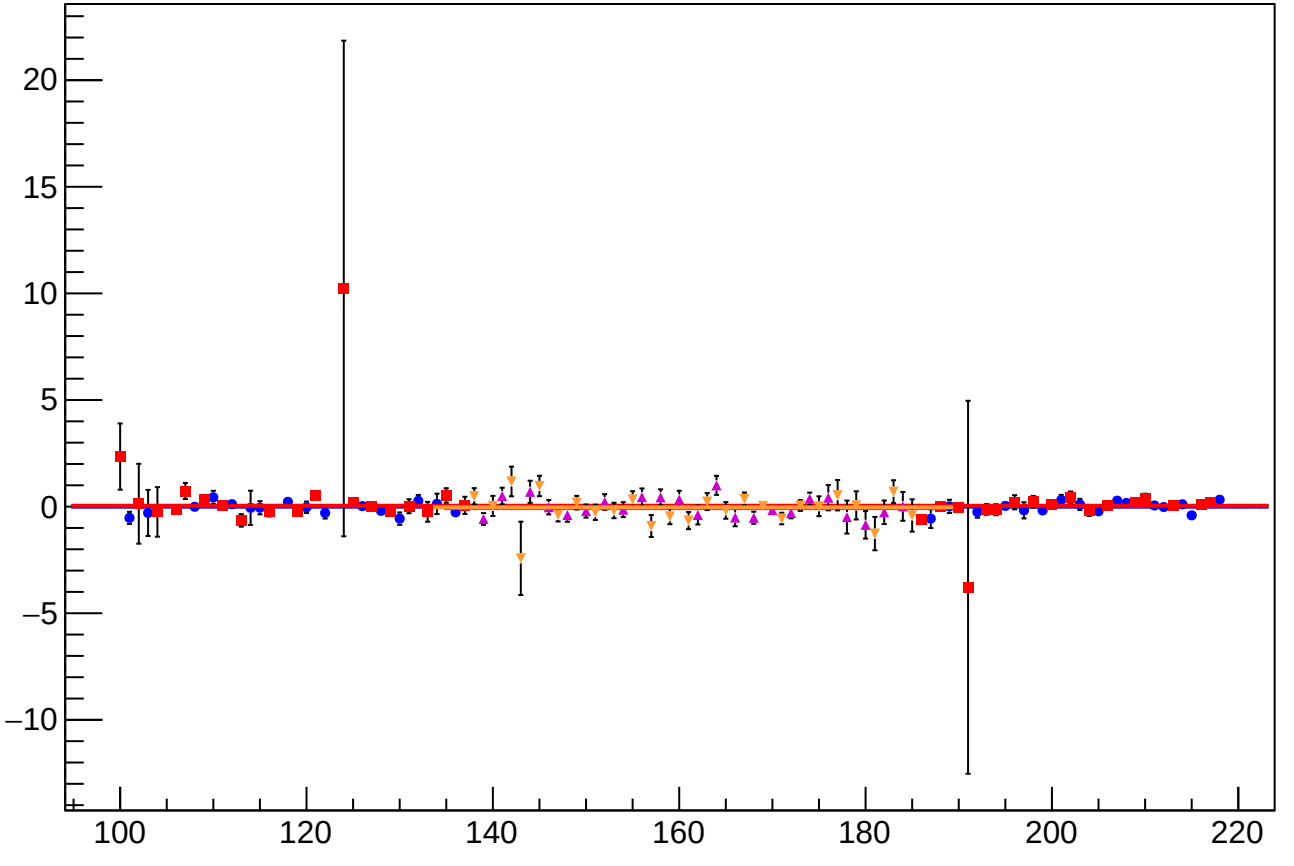
Right: 0.000+/-0.000 χ^2/NDF: 20882334.5/67

In: 0.000+/-0.000 χ^2/NDF:13193011.2/54

Out: 0.000+/-0.000 χ^2/NDF:13881029.2/60

All: 0.000+/-0.000 χ^2/NDF: 27077047.0/115

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: 0.042+/-0.038 χ^2/NDF: 44.1/35

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

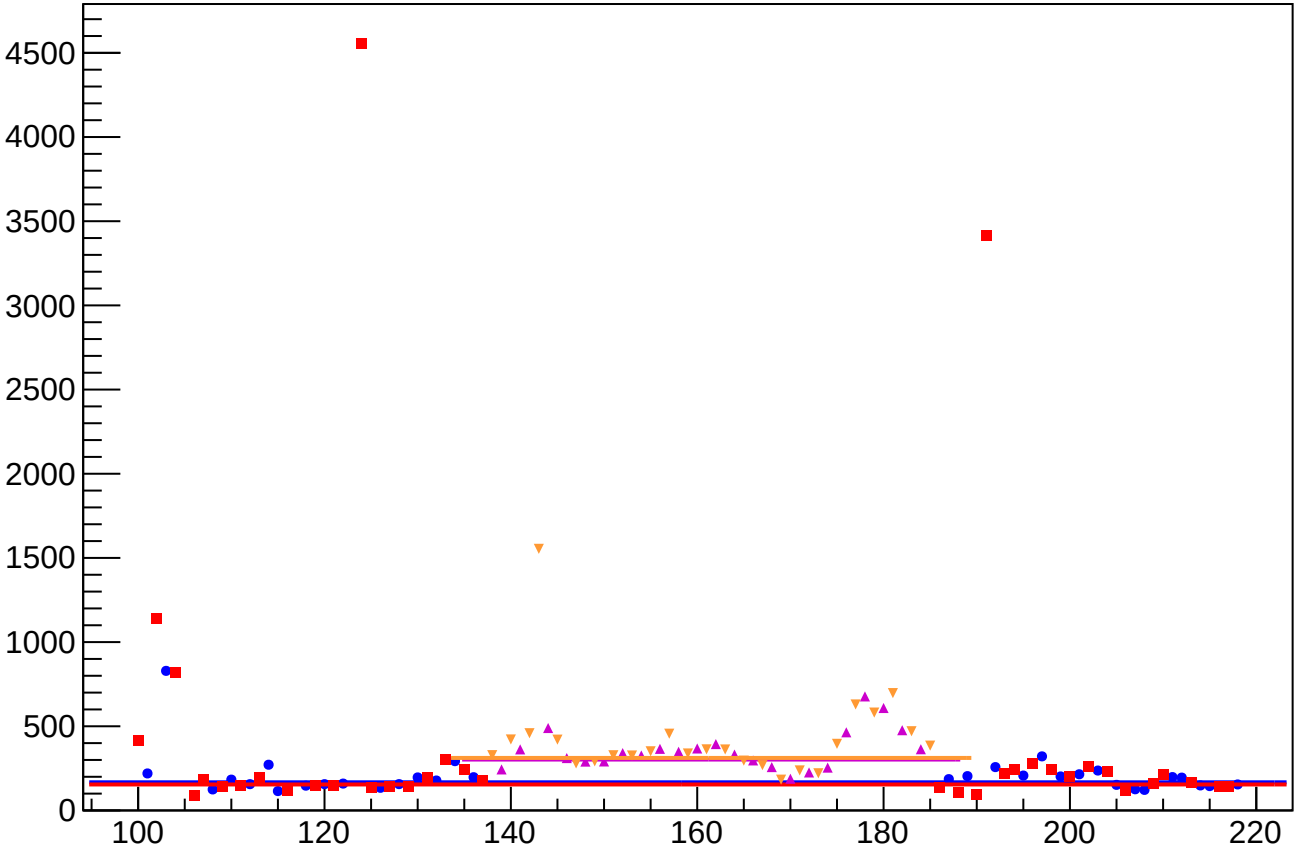
Right: 0.021+/-0.028 χ^2/NDF: 83.9/67

In: -0.016+/-0.035 χ^2/NDF:69.8/54

Out: 0.027+/-0.034 χ^2/NDF:77.4/60

All: 0.006+/-0.025 χ^2/NDF: 148.0/115

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: 154.376+/-0.027 χ^2/NDF: 4924965.5/35

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

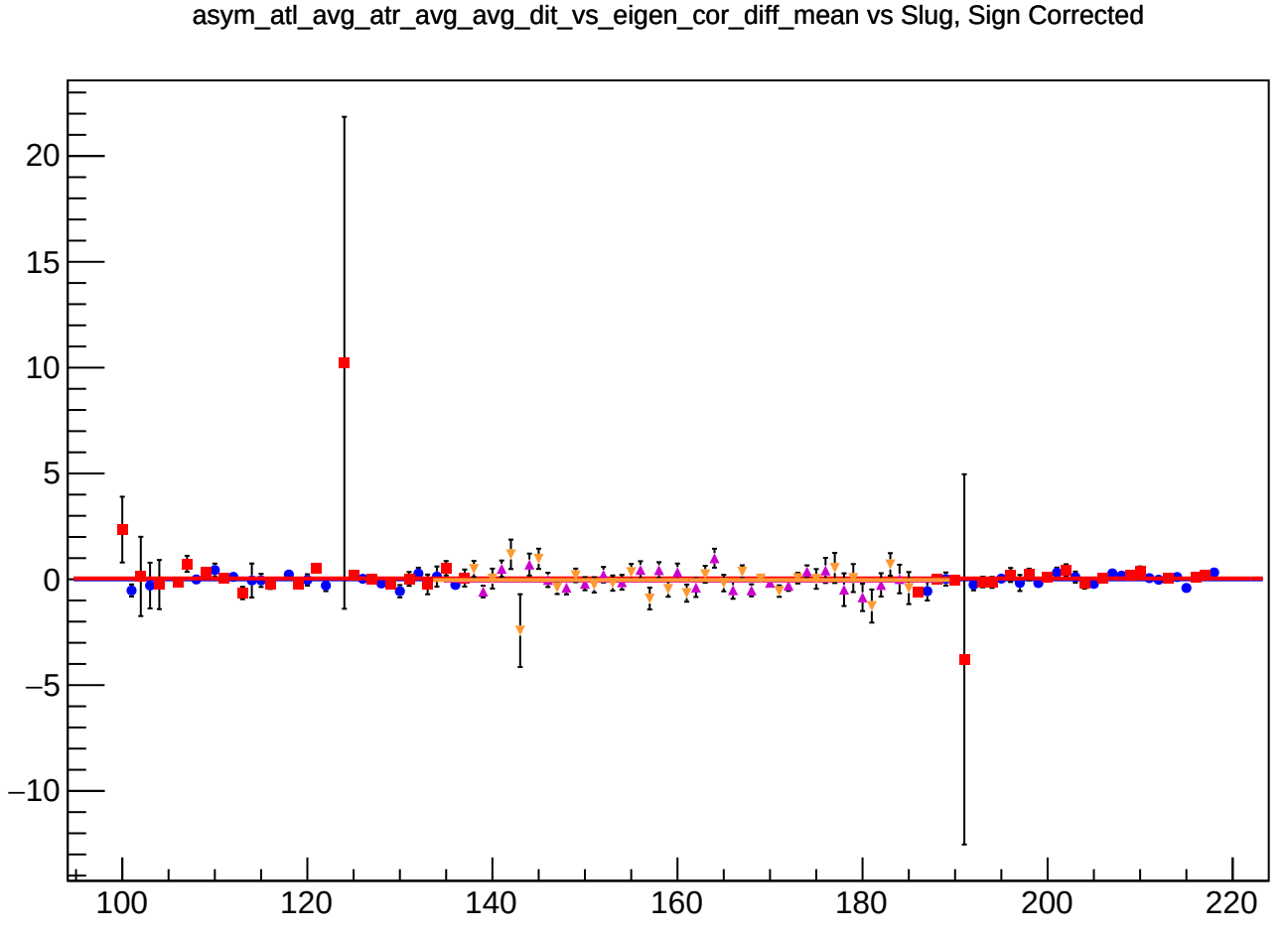
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 160.448+/-0.019 χ^2/NDF: 7791043.3/67

In: 197.213+/-0.025 χ^2/NDF:10636972.9/54

Out: 185.501+/-0.024 χ^2/NDF:16054694.6/60

All: 191.149+/-0.017 χ^2/NDF: 26805618.8/11



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: 0.042+/-0.038 χ^2/NDF: 44.1/35

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

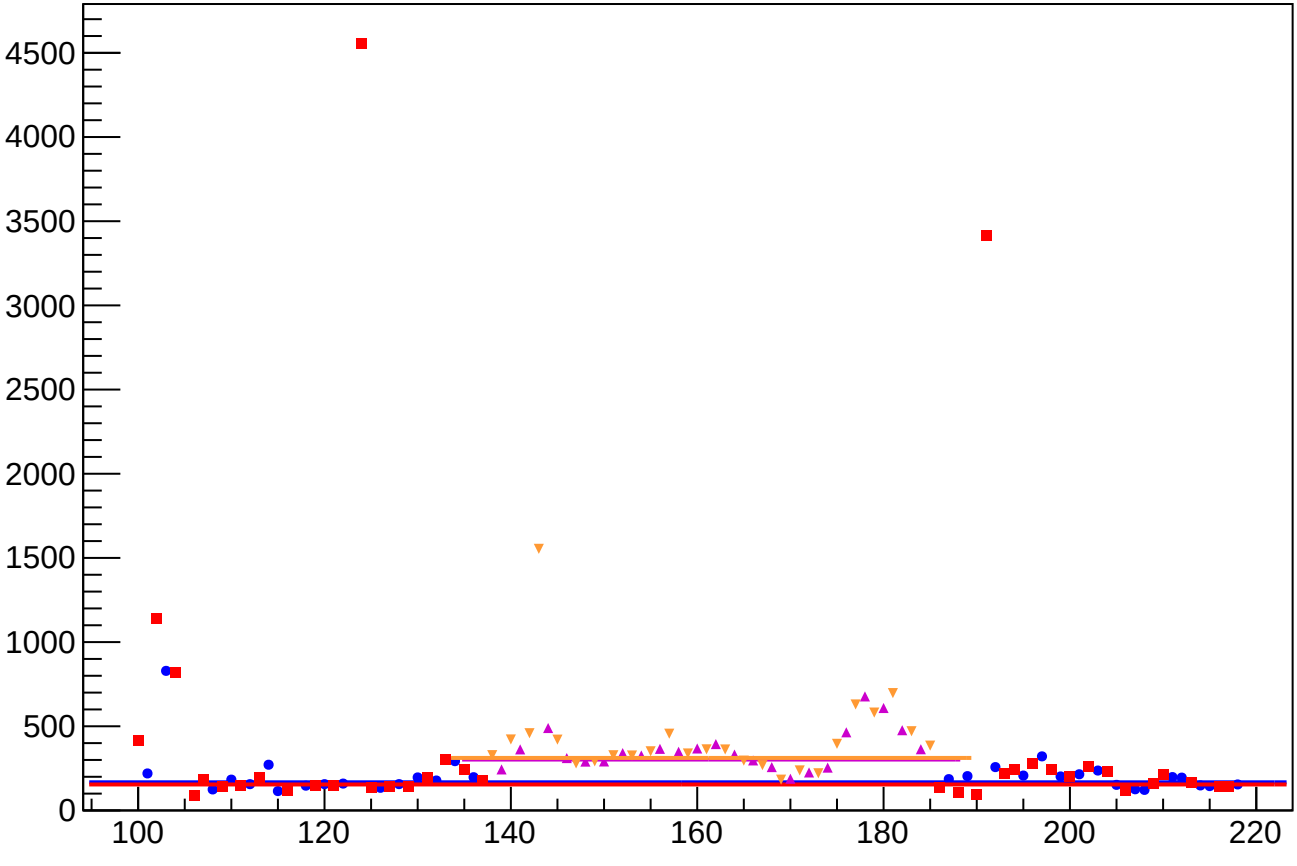
Right: 0.021+/-0.028 χ^2/NDF: 83.9/67

In: -0.016+/-0.035 χ^2/NDF:69.8/54

Out: 0.027+/-0.034 χ^2/NDF:77.4/60

All: 0.006+/-0.025 χ^2/NDF: 148.0/115

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: 154.376+/-0.027 χ^2/NDF: 4924965.5/35

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

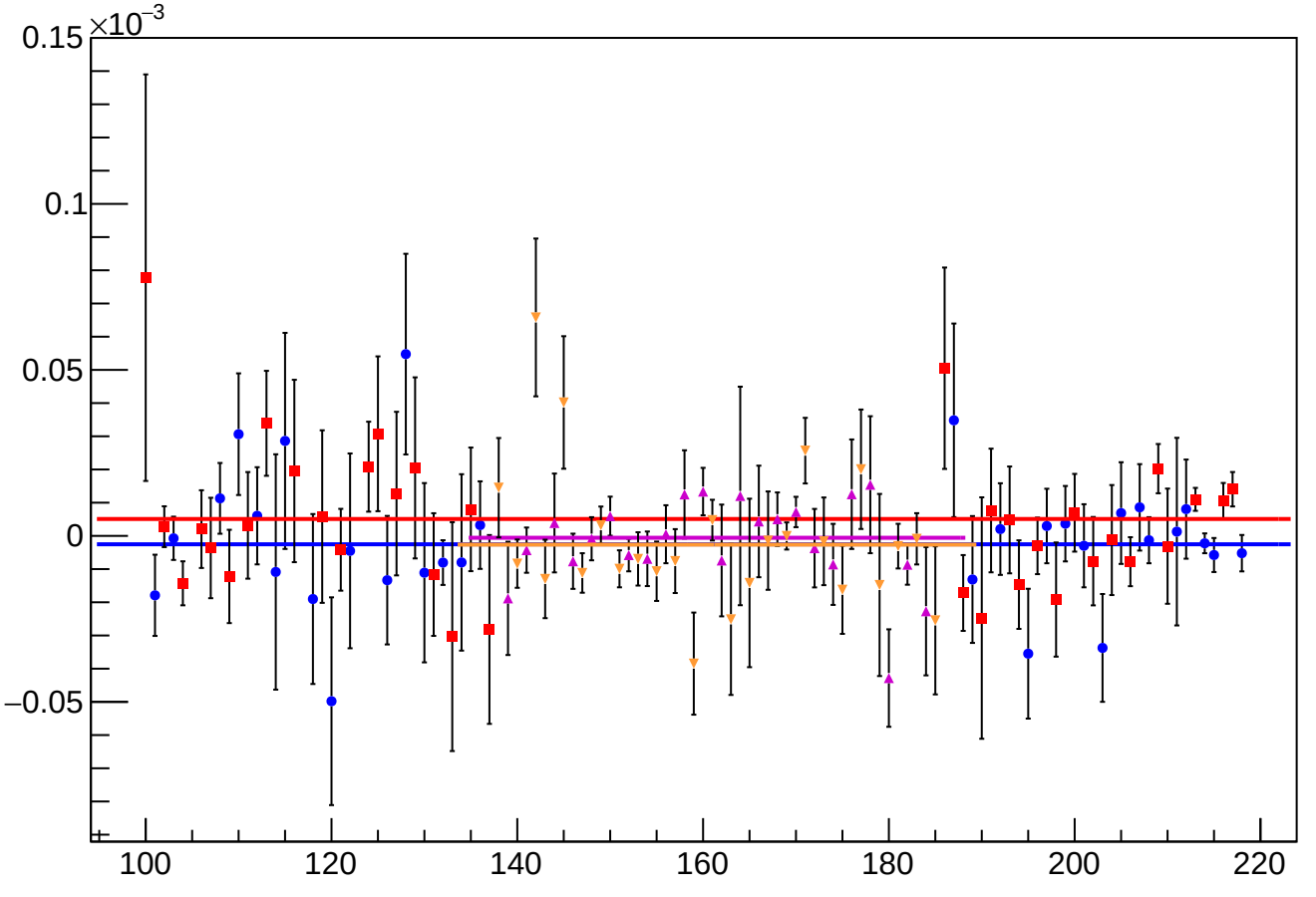
Right: 160.448+/-0.019 χ^2/NDF: 7791043.3/67

In: 197.213+/-0.025 χ^2/NDF:10636972.9/54

Out: 185.501+/-0.024 χ^2/NDF:16054694.6/60

All: 191.149+/-0.017 χ^2/NDF: 26805618.8/1

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: 49.8/35

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

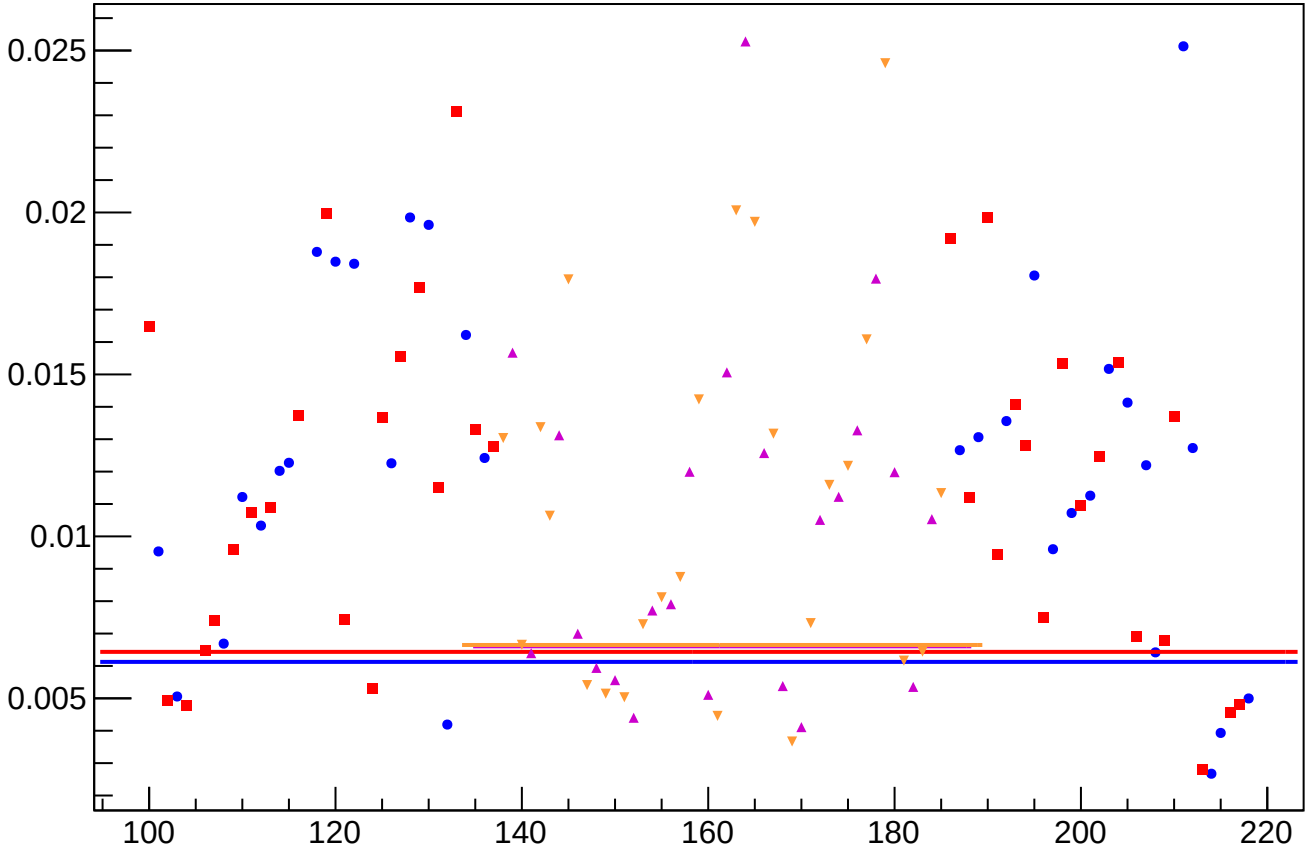
Right: 0.000+/-0.000 χ^2/NDF: 86.9/67

In: -0.000+/-0.000 χ^2/NDF:54.5/54

Out: 0.000+/-0.000 χ^2/NDF:102.4/60

All: -0.000+/-0.000 χ^2/NDF: 159.8/115

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: 10000008.7/35

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

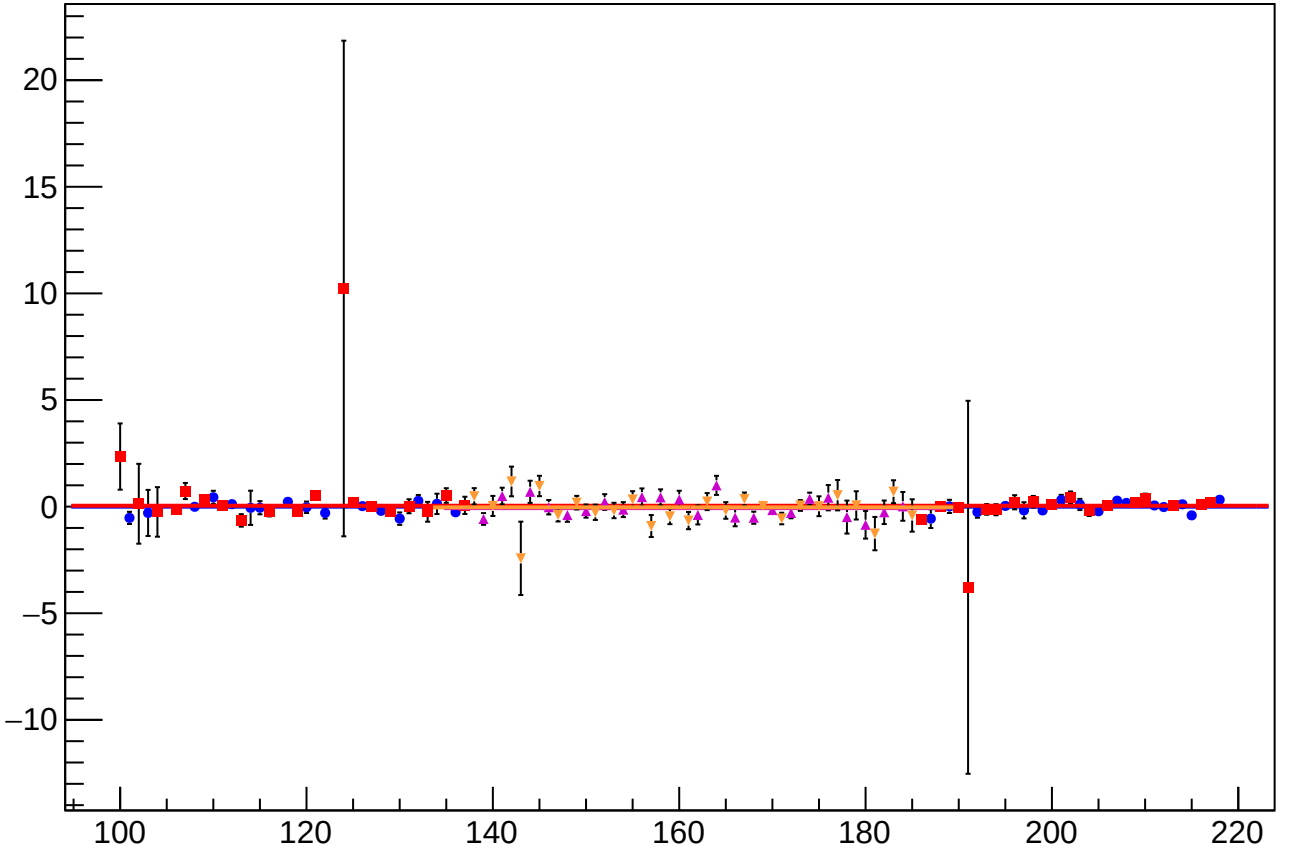
Right: 0.006+/-0.000 χ^2/NDF: 22441990.7/67

In: 0.006+/-0.000 χ^2/NDF:18340601.0/54

Out: 0.007+/-0.000 χ^2/NDF:17529424.3/60

All: 0.006+/-0.000 χ^2/NDF: 35892314.9/115

asym_atl_avg_atr_avg_avg_eigen_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: 0.042+/-0.038 χ^2/NDF: 44.1/35

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

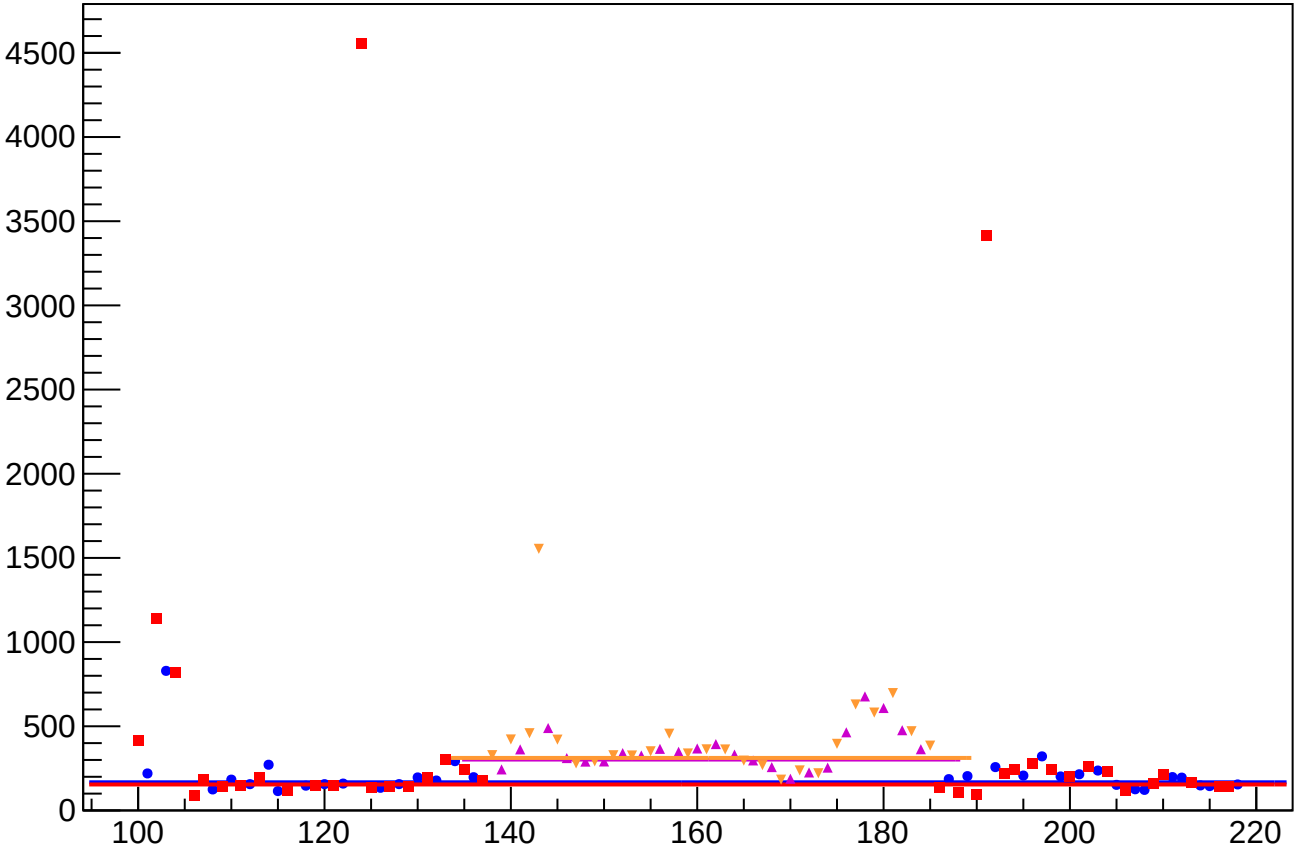
Right: 0.021+/-0.028 χ^2/NDF: 83.9/67

In: -0.016+/-0.035 χ^2/NDF:69.8/54

Out: 0.027+/-0.034 χ^2/NDF:77.4/60

All: 0.006+/-0.025 χ^2/NDF: 148.0/115

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: 154.374+/-0.027 χ^2/NDF: 4925171.9/35

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

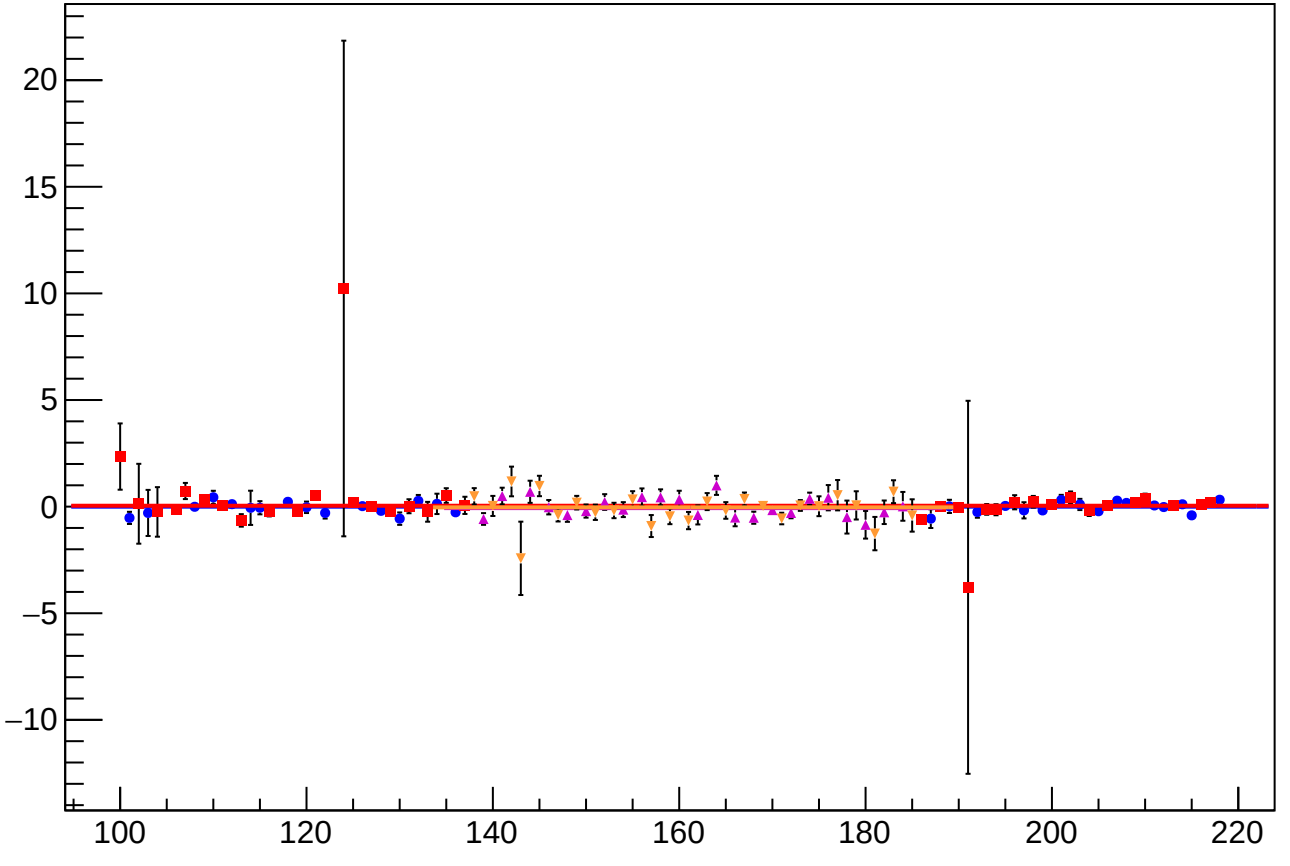
Right: 160.446+/-0.019 χ^2/NDF: 7791345.3/67

In: 197.212+/-0.025 χ^2/NDF:10637305.9/54

Out: 185.498+/-0.024 χ^2/NDF:16055347.2/60

All: 191.147+/-0.017 χ^2/NDF: 26806643.2/11

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: 0.042+/-0.038 χ^2/NDF: 44.1/35

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

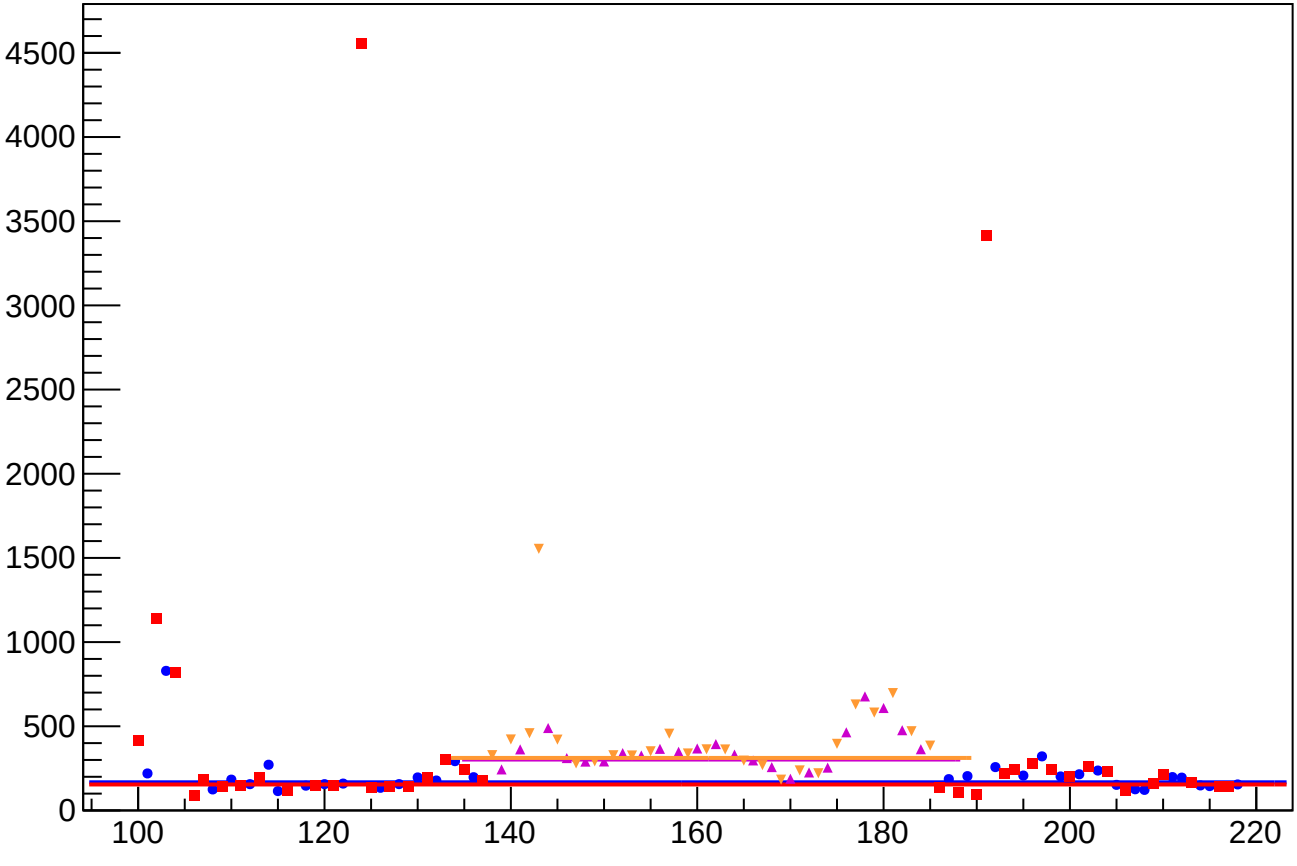
Right: 0.021+/-0.028 χ^2/NDF: 83.9/67

In: -0.016+/-0.035 χ^2/NDF:69.8/54

Out: 0.027+/-0.034 χ^2/NDF:77.4/60

All: 0.006+/-0.025 χ^2/NDF: 148.0/115

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: 154.374+/-0.027 χ^2/NDF: 4925171.9/35

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

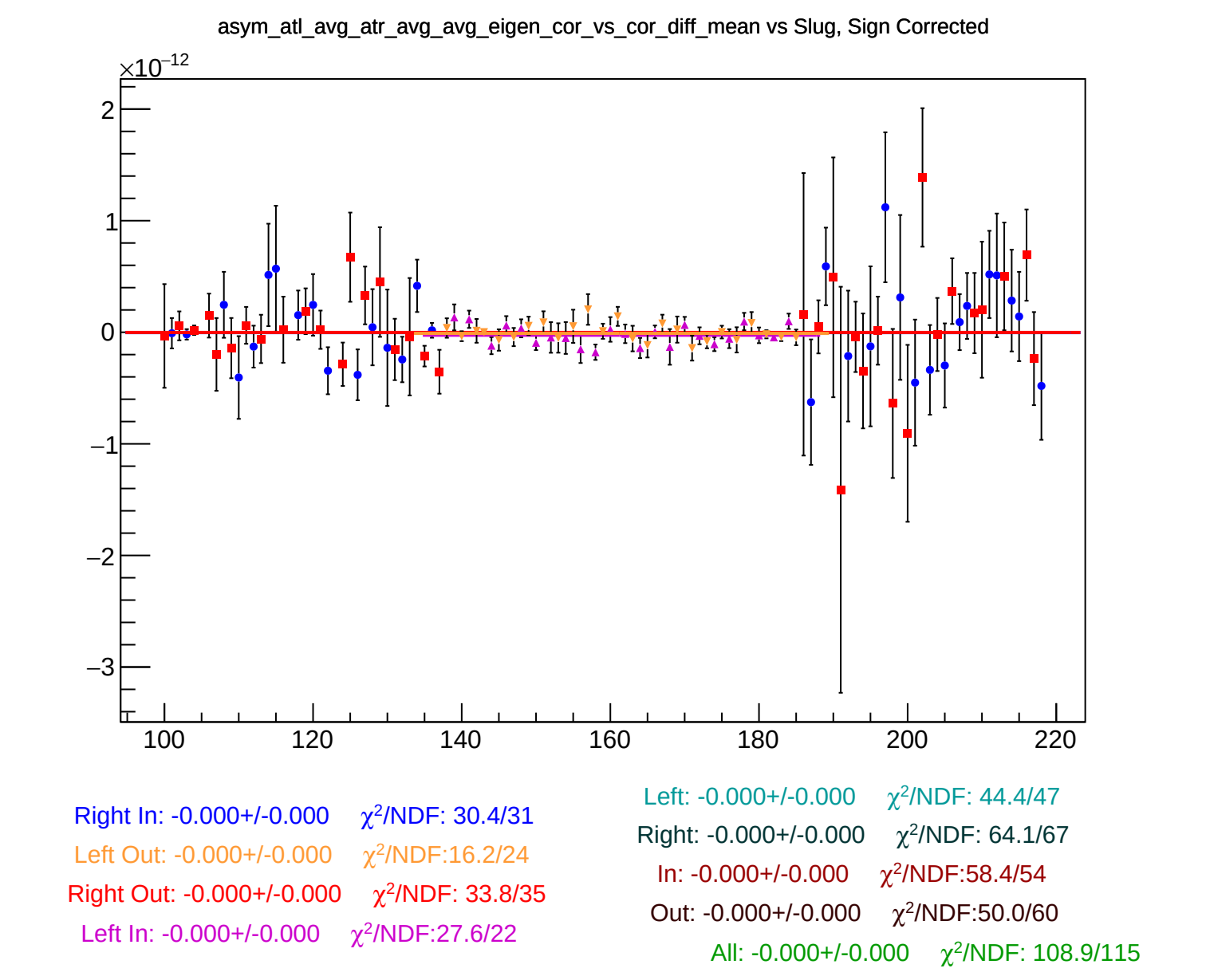
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

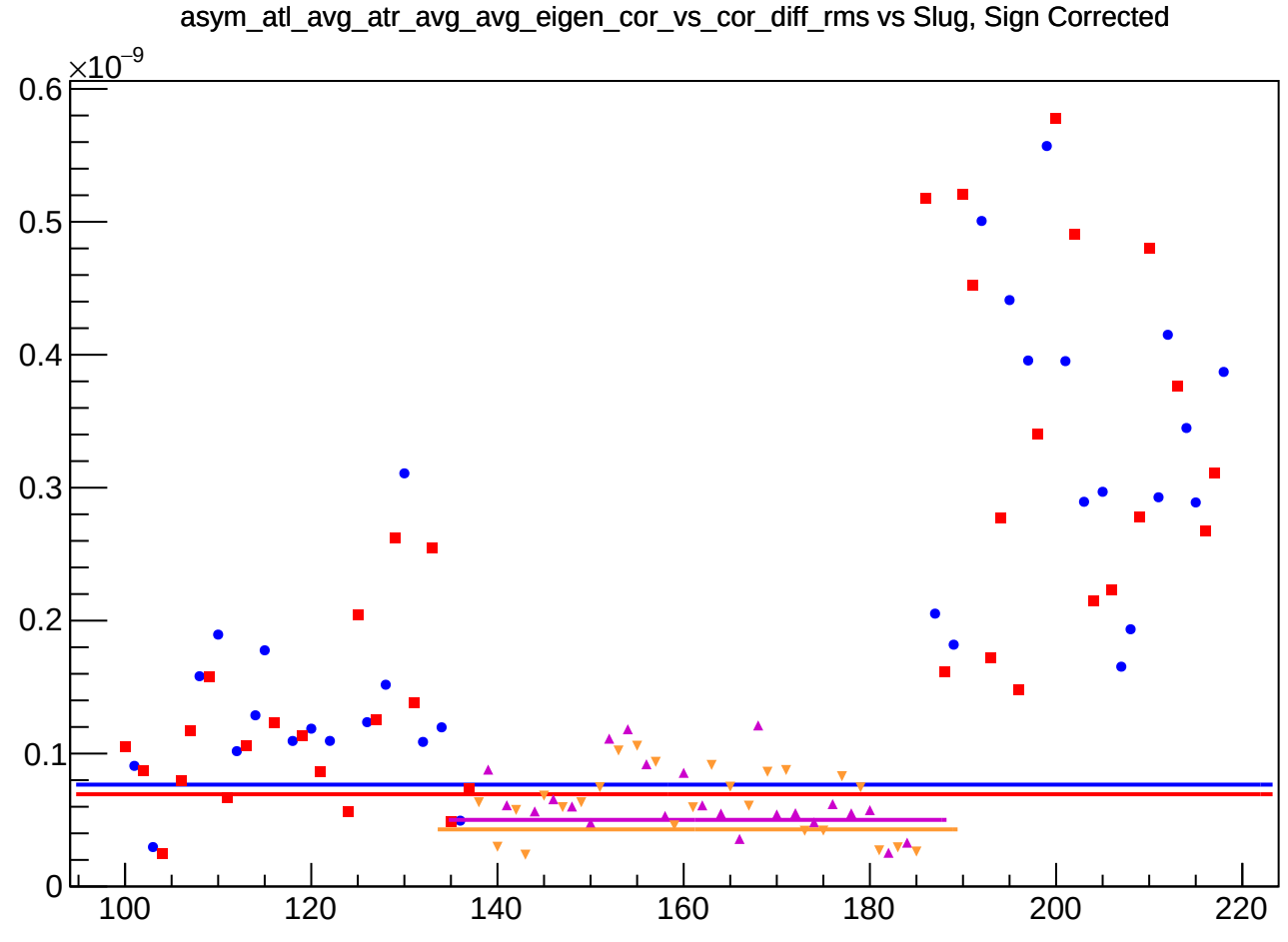
Right: 160.446+/-0.019 χ^2/NDF: 7791345.3/67

In: 197.212+/-0.025 χ^2/NDF:10637305.9/54

Out: 185.498+/-0.024 χ^2/NDF:16055347.2/60

All: 191.147+/-0.017 χ^2/NDF: 26806643.2/11


asym_atl_avg_atr_avg_avg_eigen_cor_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: 30.4/31
Left Out: -0.000+/-0.000 χ²/NDF:16.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 33.8/35
Left In: -0.000+/-0.000 χ²/NDF:27.6/22
Left: -0.000+/-0.000 χ²/NDF: 44.4/47
Right: -0.000+/-0.000 χ²/NDF: 64.1/67
In: -0.000+/-0.000 χ²/NDF:58.4/54
Out: -0.000+/-0.000 χ²/NDF:50.0/60
All: -0.000+/-0.000 χ²/NDF: 108.9/115



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: 12091061.2/35

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

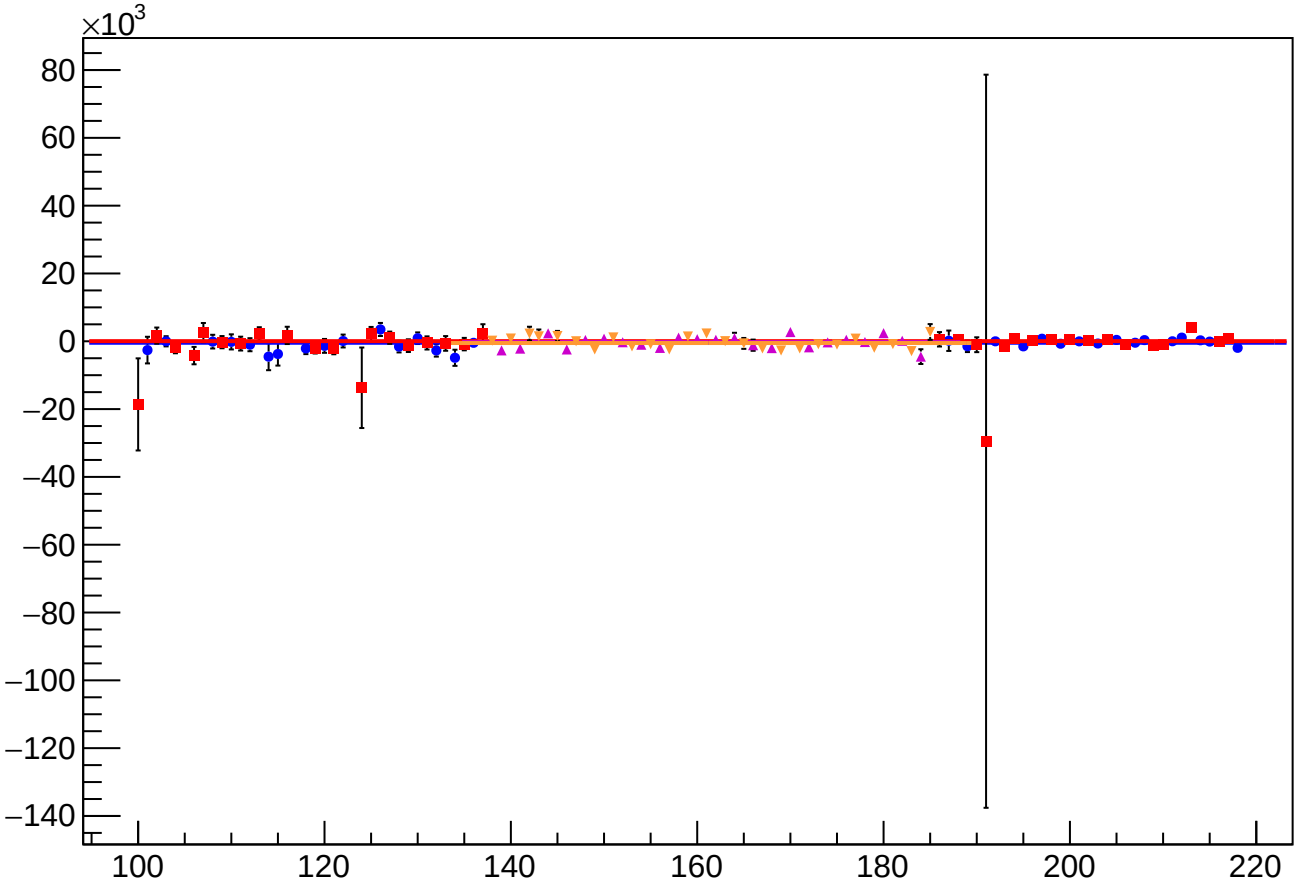
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 24849009.0/67

In: 0.000+/-0.000 χ^2/NDF:17465930.5/54

Out: 0.000+/-0.000 χ^2/NDF:18454682.7/60

All: 0.000+/-0.000 χ^2/NDF: 36280948.8/115



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: 37.386+/-286.628 χ^2/NDF: 30.1/35

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

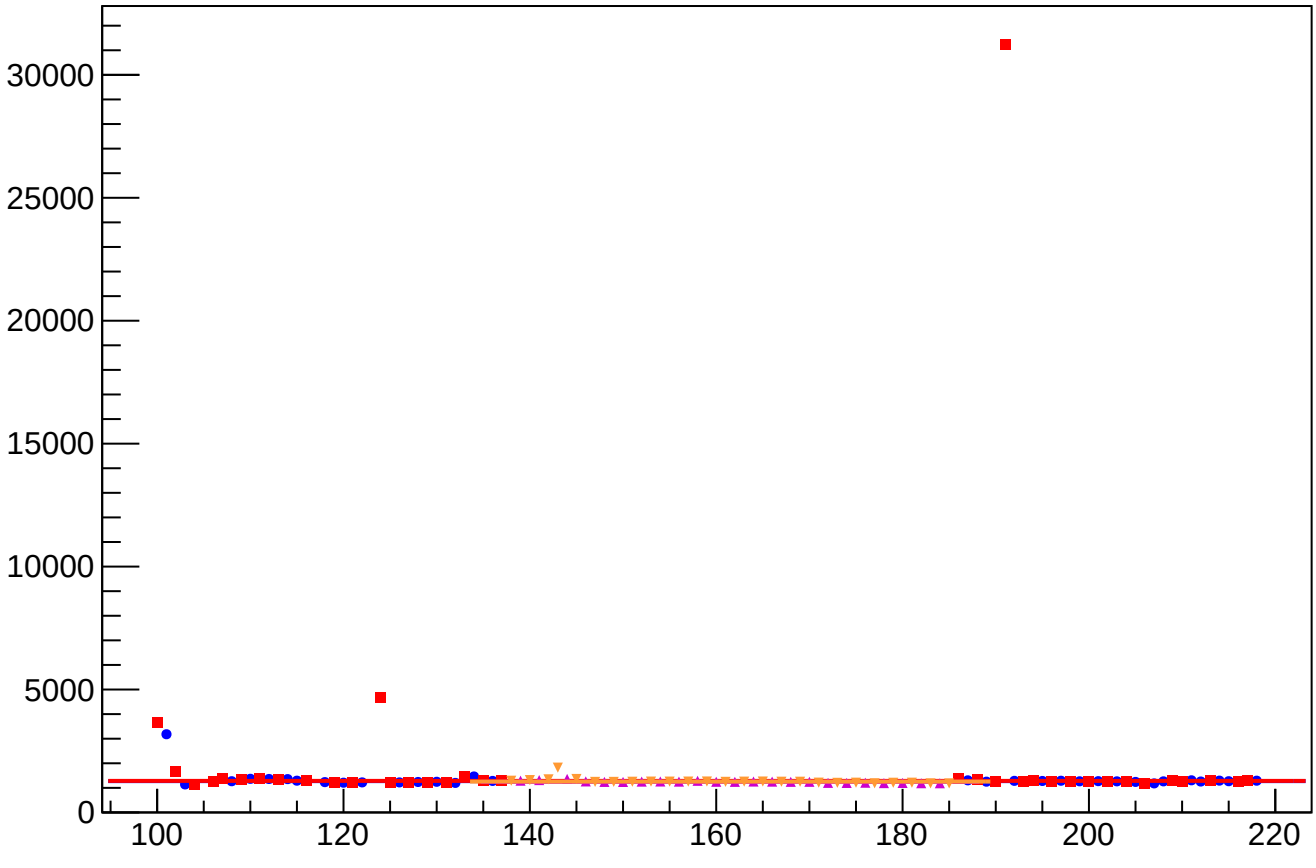
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -197.685+/-202.267 χ^2/NDF: 50.9/67

In: -338.633+/-203.843 χ^2/NDF:51.8/54

Out: -239.208+/-202.435 χ^2/NDF:62.8/60

All: -288.576+/-143.638 χ^2/NDF: 114.7/115



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: 1283.769+/-0.203 χ^2/NDF: 508275.4/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

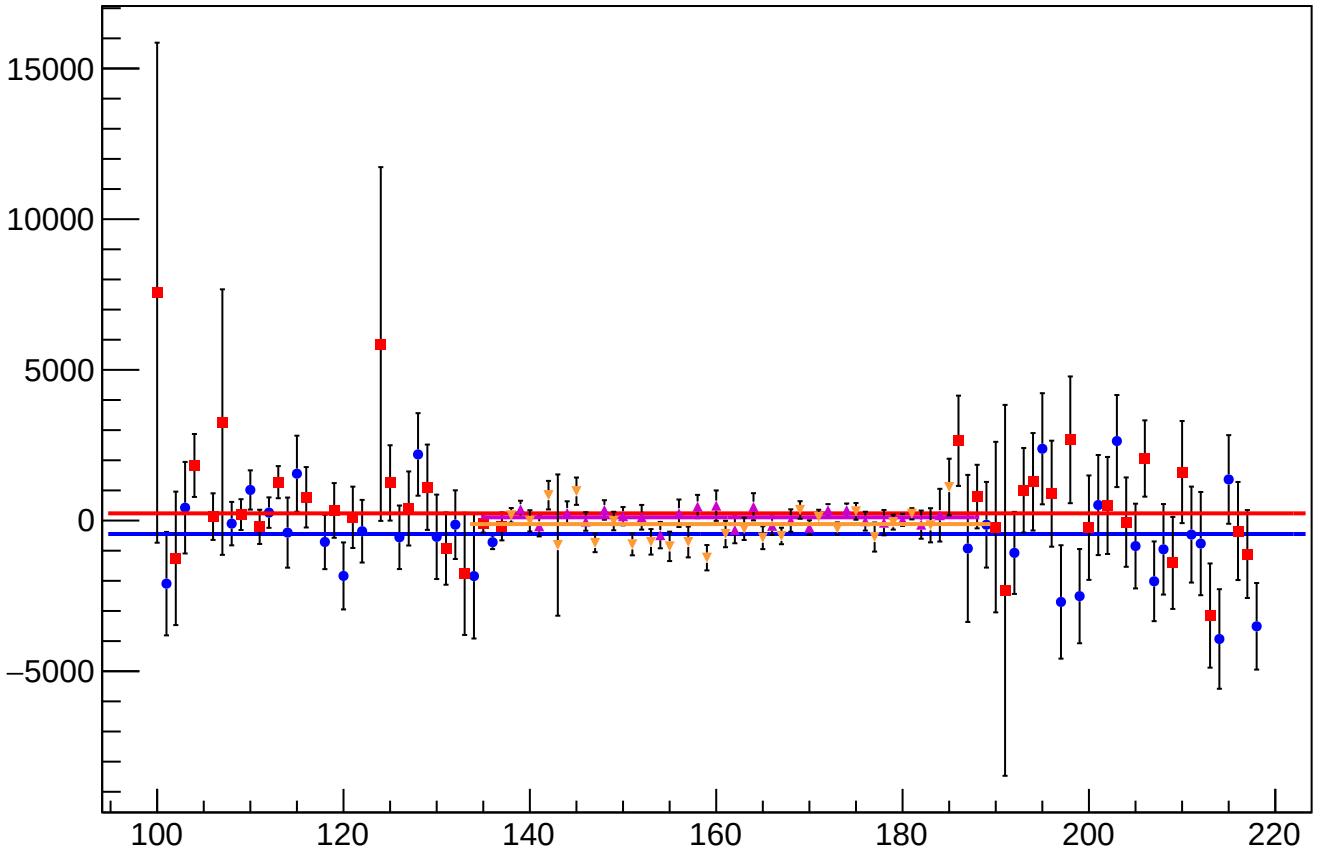
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.948+/-0.143 χ^2/NDF: 1043928.4/67

In: 1260.534+/-0.144 χ^2/NDF:583685.5/54

Out: 1269.608+/-0.143 χ^2/NDF:721140.5/60

All: 1265.102+/-0.102 χ^2/NDF: 1306821.1/11



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: 238.735+/-155.290 χ^2/NDF: 28.8/35

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

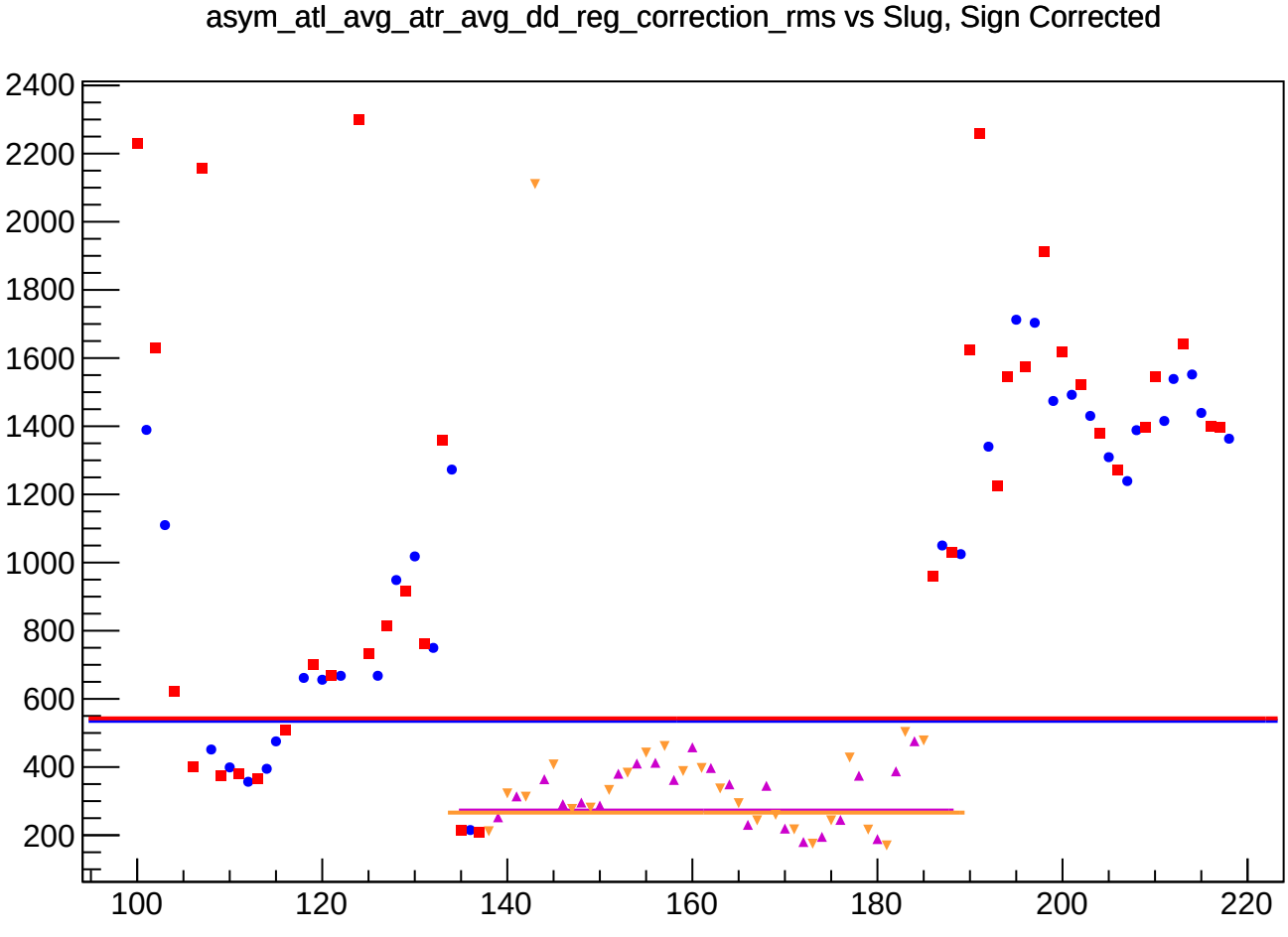
Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

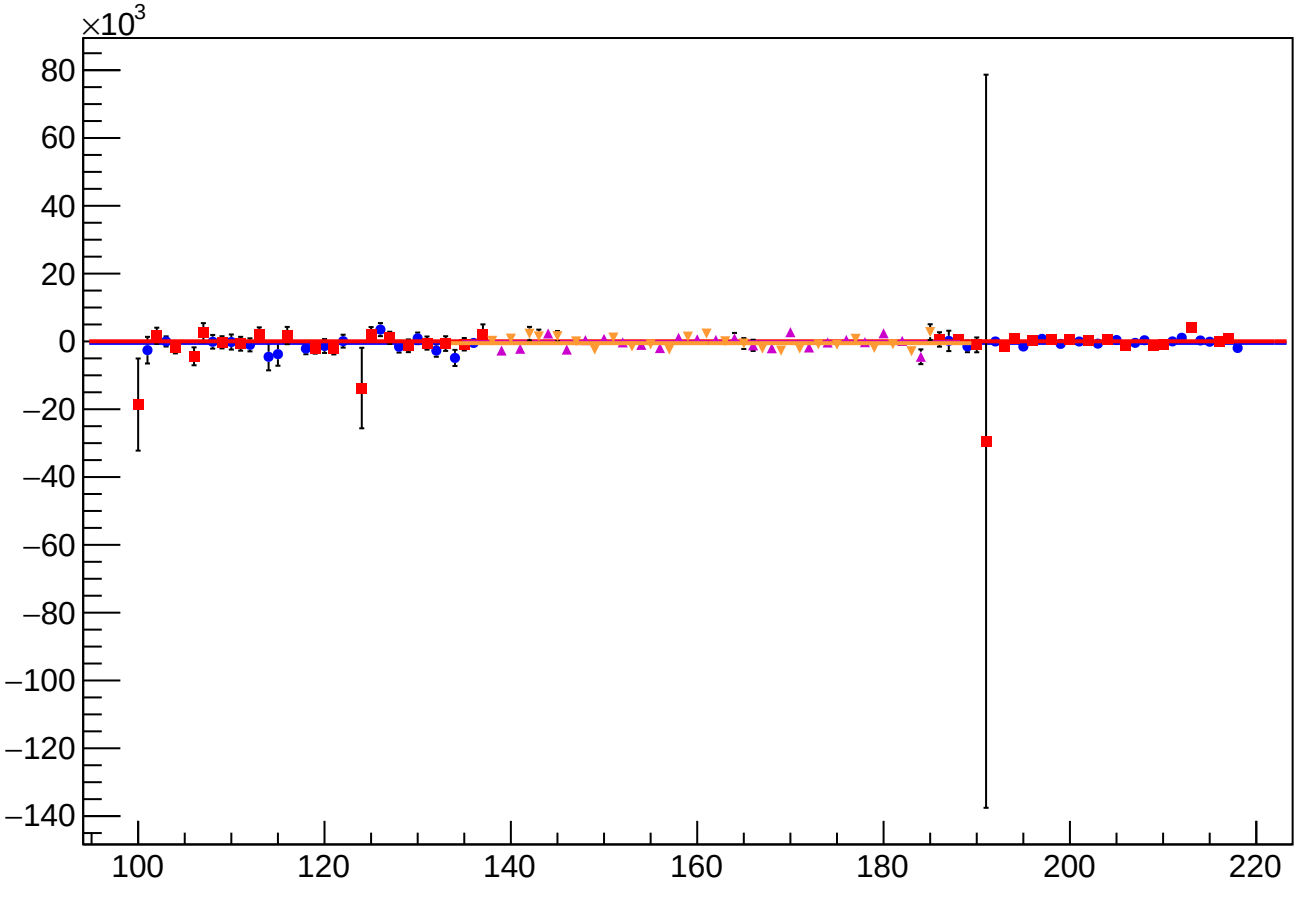
Right: -105.461+/-109.526 χ^2/NDF: 79.4/67

In: 19.725+/-61.470 χ^2/NDF:65.3/54

Out: -63.908+/-60.006 χ^2/NDF:81.8/60

All: -23.100+/-42.939 χ^2/NDF: 148.0/115


asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 535.490+/-0.109 χ²/NDF: 15940026.7/31
Left Out: 266.321+/-0.046 χ²/NDF:4630130.4/24
Right Out: 542.813+/-0.110 χ²/NDF: 15813748.1/35
Left In: 272.368+/-0.047 χ²/NDF:2887823.5/22
Left: 269.255+/-0.033 χ²/NDF: 7526339.3/47
Right: 539.133+/-0.077 χ²/NDF: 31756010.0/67
In: 314.019+/-0.043 χ²/NDF:23710499.7/54
Out: 307.605+/-0.042 χ²/NDF:25837482.8/60
All: 310.735+/-0.030 χ²/NDF: 49559134.8/11



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: 38.571+/-286.735 χ^2/NDF: 30.1/35

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

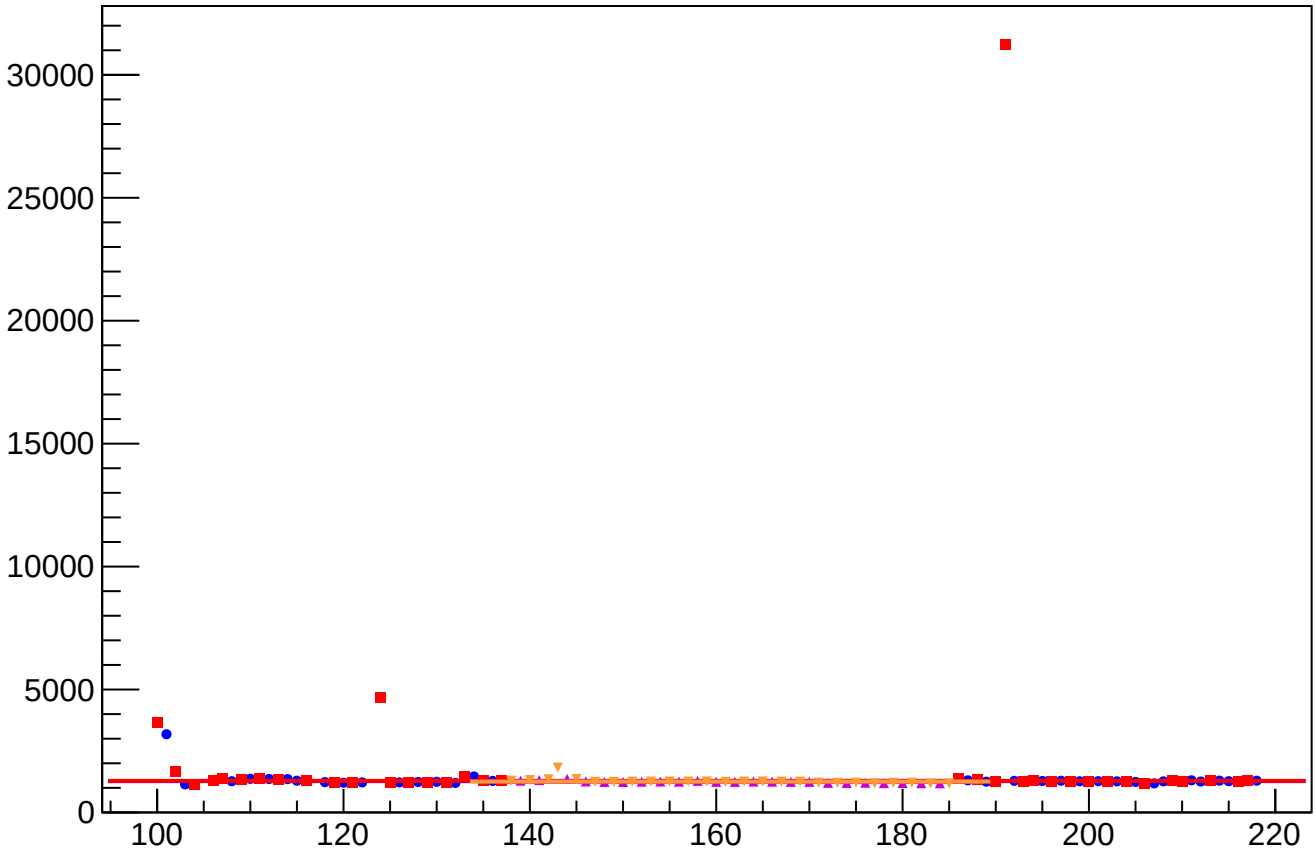
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -197.116+/-202.305 χ^2/NDF: 51.0/67

In: -338.554+/-203.843 χ^2/NDF:51.8/54

Out: -238.693+/-202.472 χ^2/NDF:62.9/60

All: -288.287+/-143.652 χ^2/NDF: 114.8/115



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: 1284.265+/-0.203 χ^2/NDF: 508255.1/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

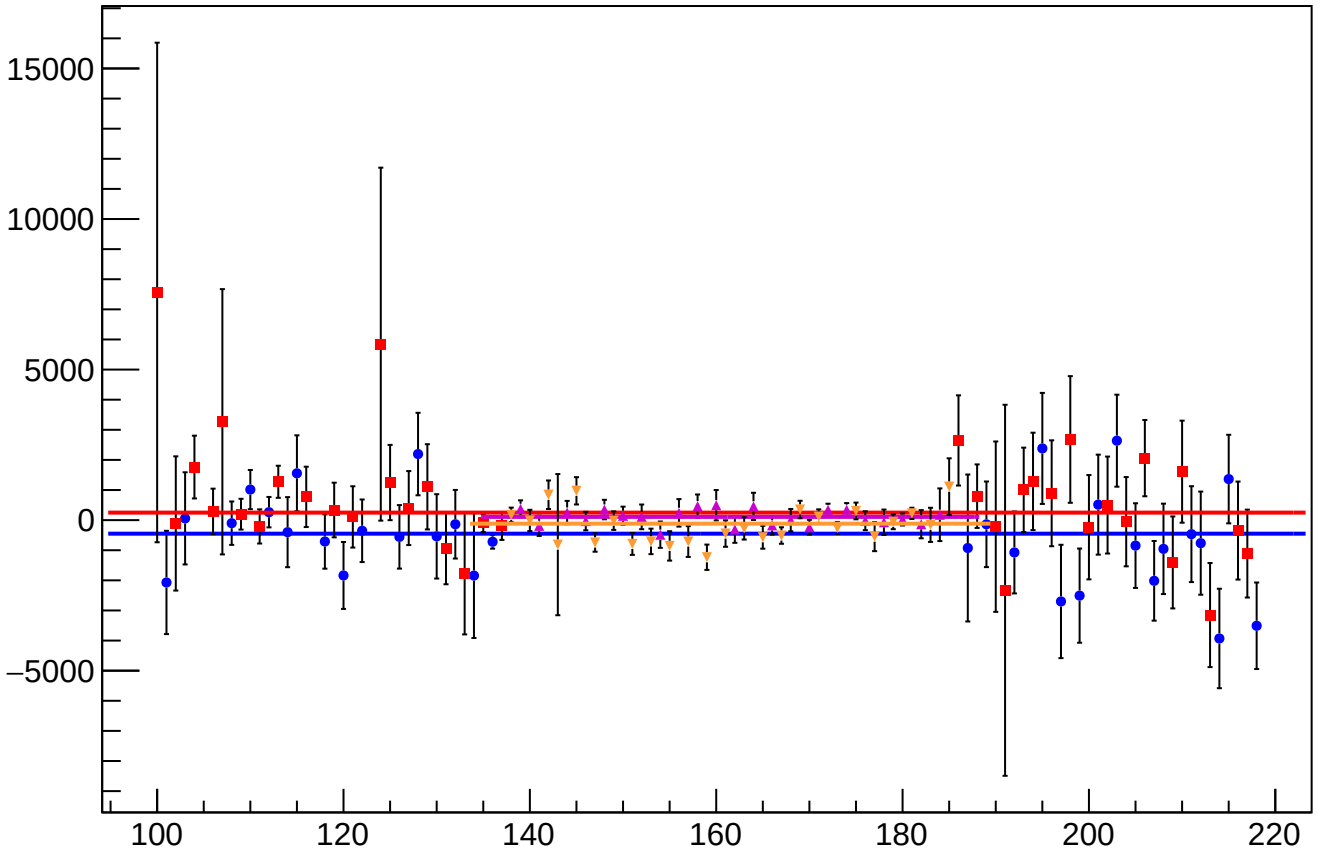
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1279.192+/-0.143 χ^2/NDF: 1044028.3/67

In: 1260.534+/-0.144 χ^2/NDF:583686.8/54

Out: 1269.850+/-0.143 χ^2/NDF:721460.8/60

All: 1265.223+/-0.102 χ^2/NDF: 1307250.1/11



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: 249.711+/-155.138 χ^2/NDF: 28.2/35

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

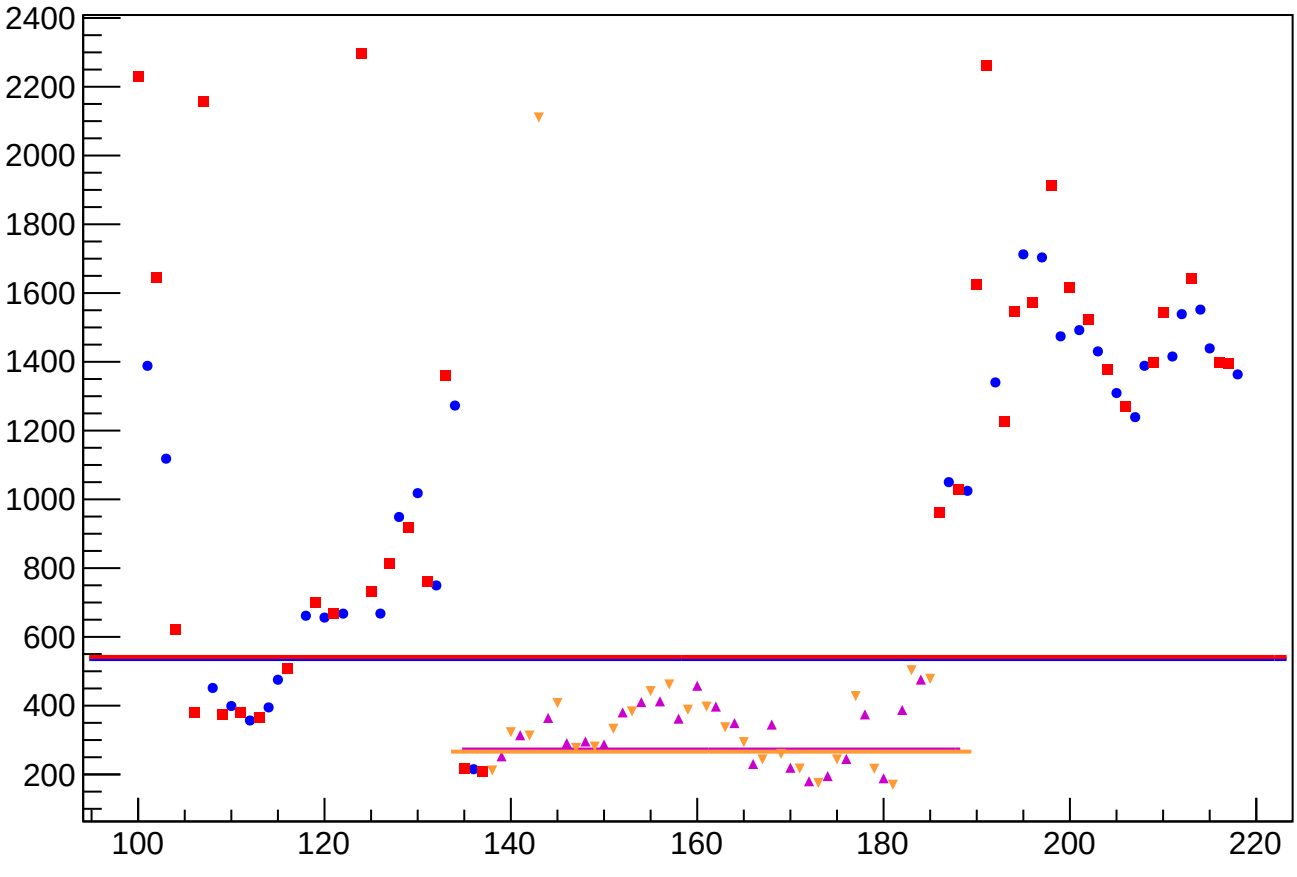
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -101.521+/-109.478 χ^2/NDF: 78.9/67

In: 19.236+/-61.472 χ^2/NDF:65.2/54

Out: -62.154+/-59.998 χ^2/NDF:81.4/60

All: -22.446+/-42.937 χ^2/NDF: 147.5/115



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: 541.712+/-0.110 χ^2/NDF: 15844382.5/35

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

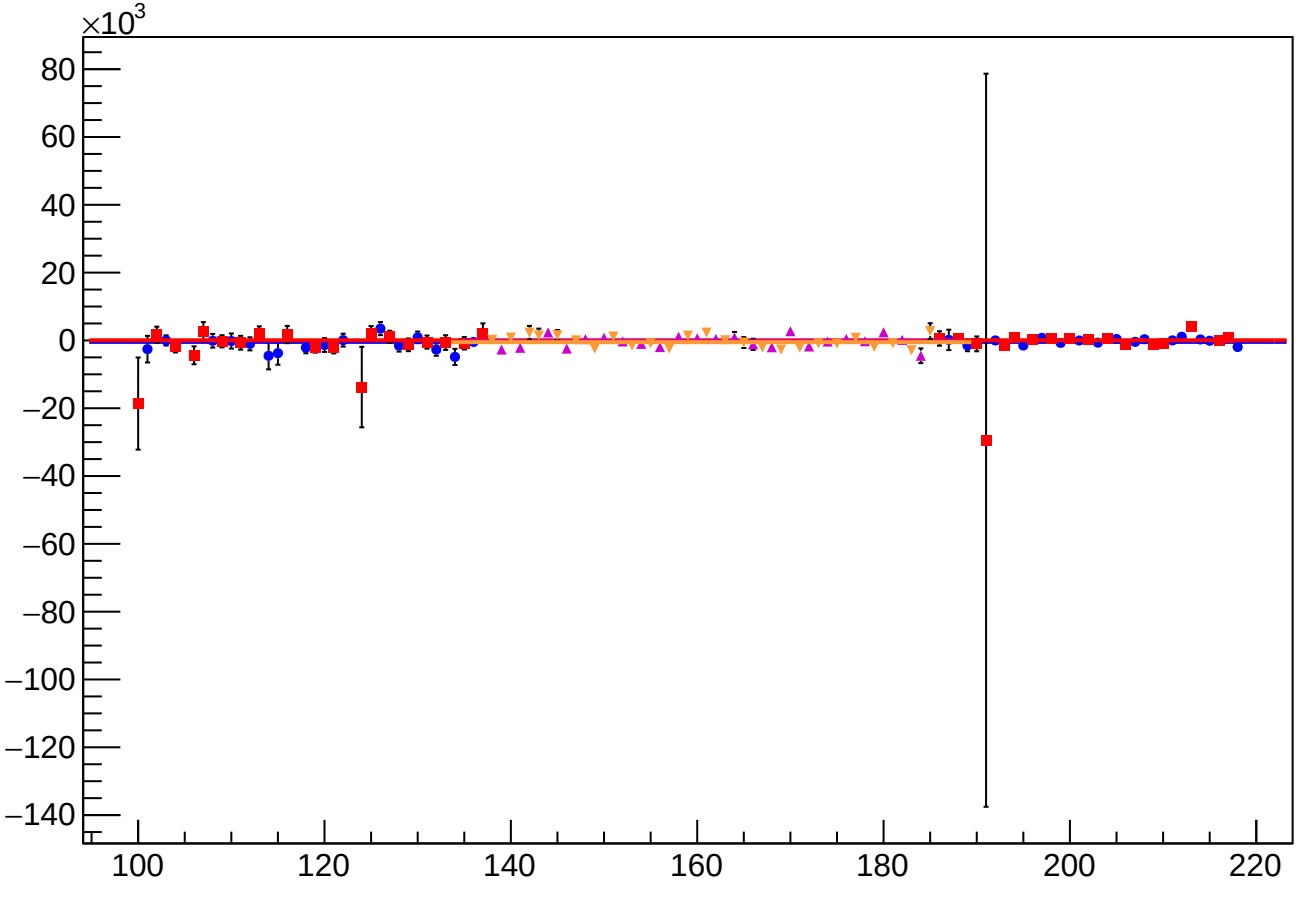
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 538.601+/-0.077 χ^2/NDF: 31788954.8/67

In: 314.026+/-0.043 χ^2/NDF:23712883.4/54

Out: 307.515+/-0.042 χ^2/NDF:25833975.6/60

All: 310.692+/-0.030 χ^2/NDF: 49558350.3/11



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: 38.571+/-286.735 χ^2/NDF: 30.1/35

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

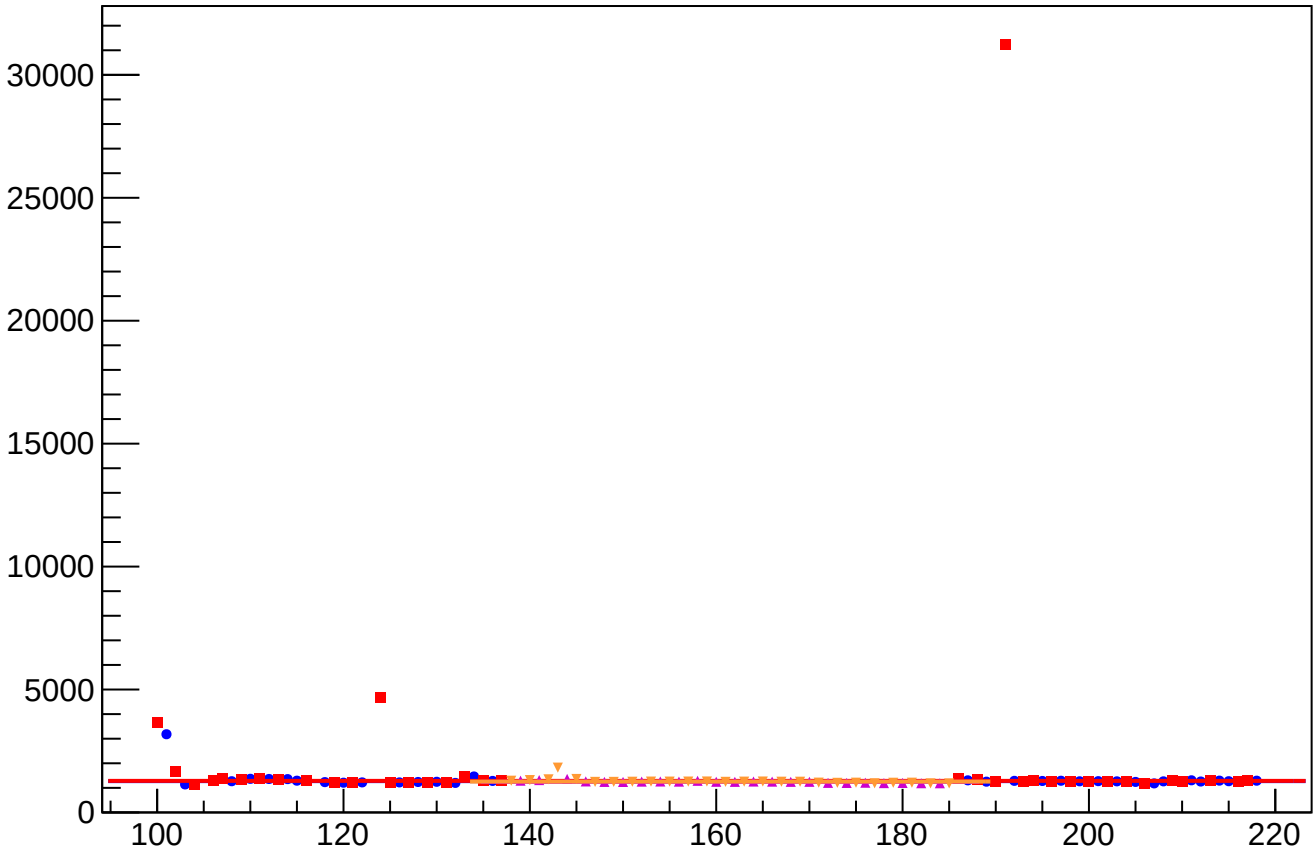
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -197.116+/-202.305 χ^2/NDF: 51.0/67

In: -338.554+/-203.843 χ^2/NDF:51.8/54

Out: -238.693+/-202.472 χ^2/NDF:62.9/60

All: -288.287+/-143.652 χ^2/NDF: 114.8/115



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: 1284.265+/-0.203 χ^2/NDF: 508255.1/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

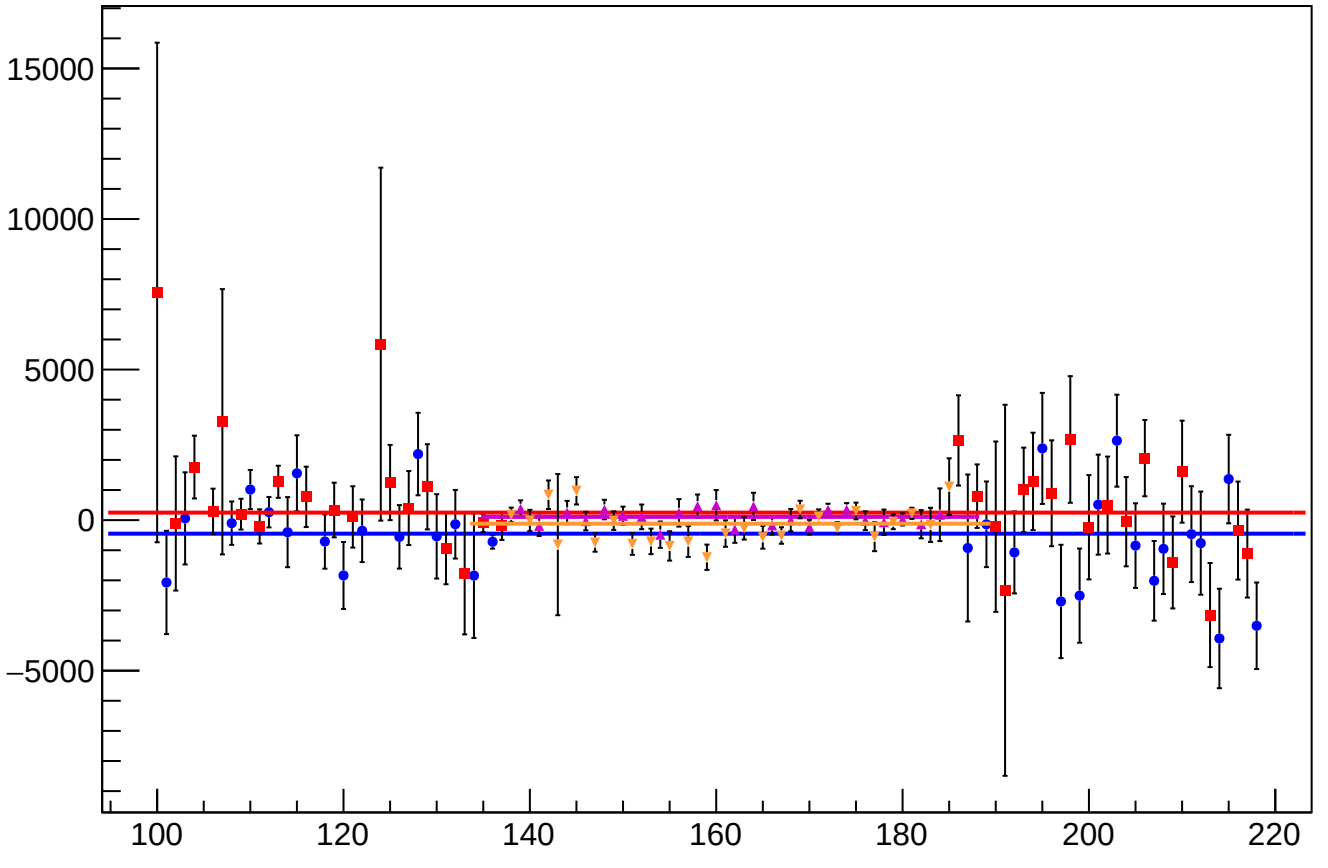
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1279.192+/-0.143 χ^2/NDF: 1044028.3/67

In: 1260.534+/-0.144 χ^2/NDF:583686.8/54

Out: 1269.850+/-0.143 χ^2/NDF:721460.8/60

All: 1265.223+/-0.102 χ^2/NDF: 1307250.1/11



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: 249.711+/-155.138 χ^2/NDF: 28.2/35

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

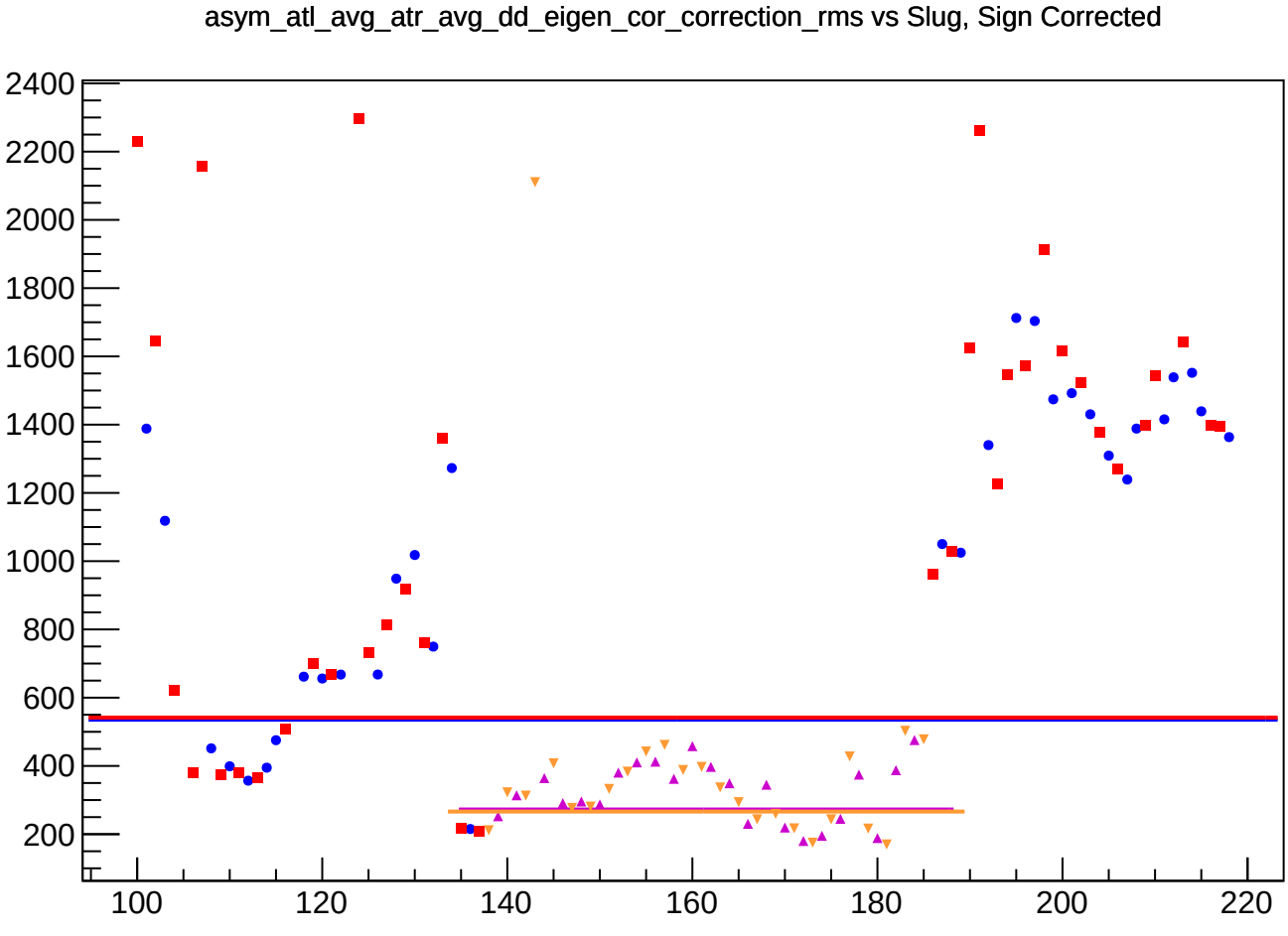
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

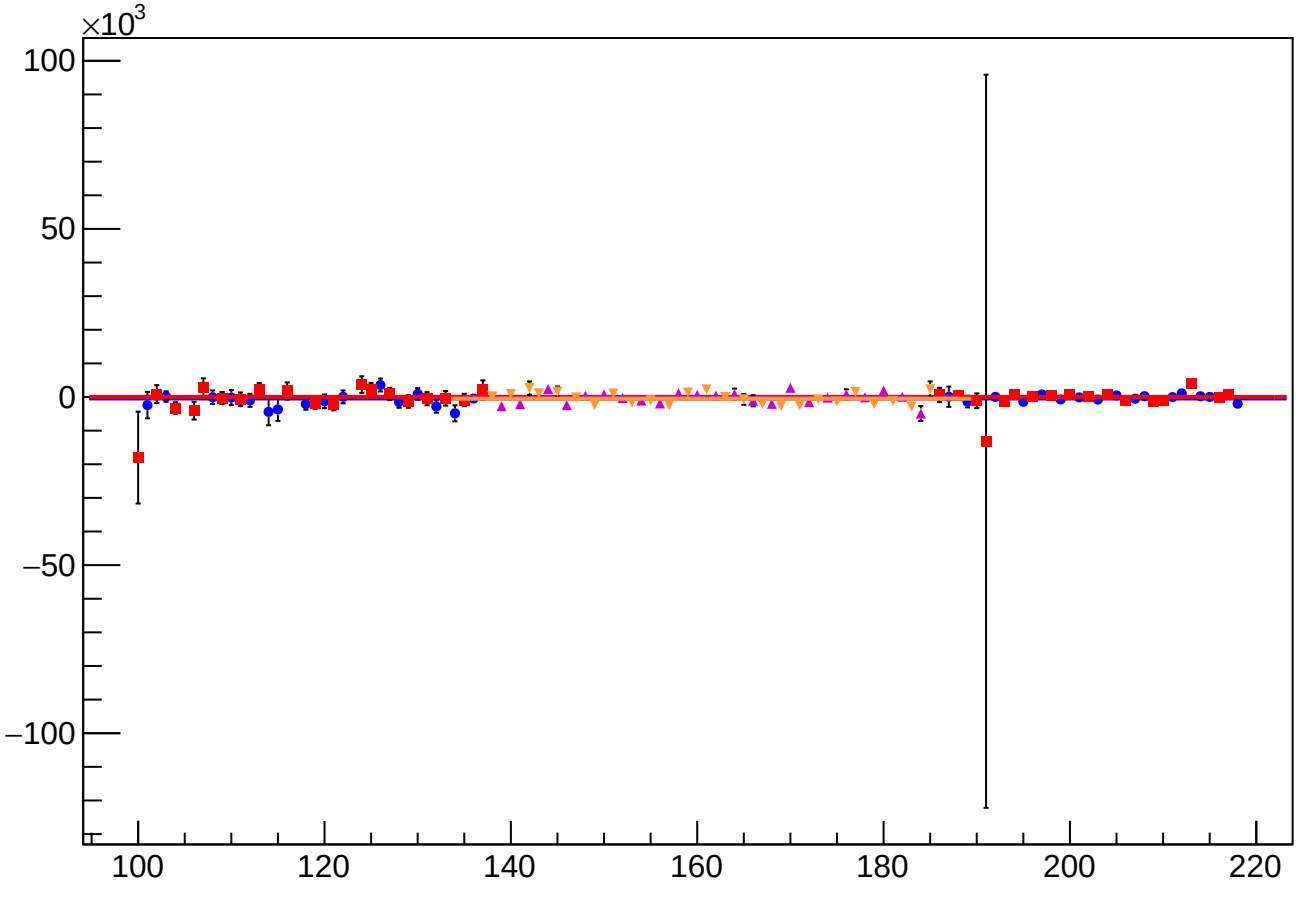
Right: -101.521+/-109.478 χ^2/NDF: 78.9/67

In: 19.236+/-61.472 χ^2/NDF:65.2/54

Out: -62.154+/-59.998 χ^2/NDF:81.4/60

All: -22.446+/-42.937 χ^2/NDF: 147.5/115


asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 535.514+/-0.109 χ²/NDF: 15942969.3/31
Left Out: 266.326+/-0.046 χ²/NDF:4630167.4/24
Right Out: 541.712+/-0.110 χ²/NDF: 15844382.5/35
Left In: 272.378+/-0.047 χ²/NDF:2887597.1/22
Left: 269.263+/-0.033 χ²/NDF: 7526161.0/47
Right: 538.601+/-0.077 χ²/NDF: 31788954.8/67
In: 314.026+/-0.043 χ²/NDF:23712883.4/54
Out: 307.515+/-0.042 χ²/NDF:25833975.6/60
All: 310.692+/-0.030 χ²/NDF: 49558350.3/11



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: 39.237+/-286.290 χ^2/NDF: 32.0/35

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

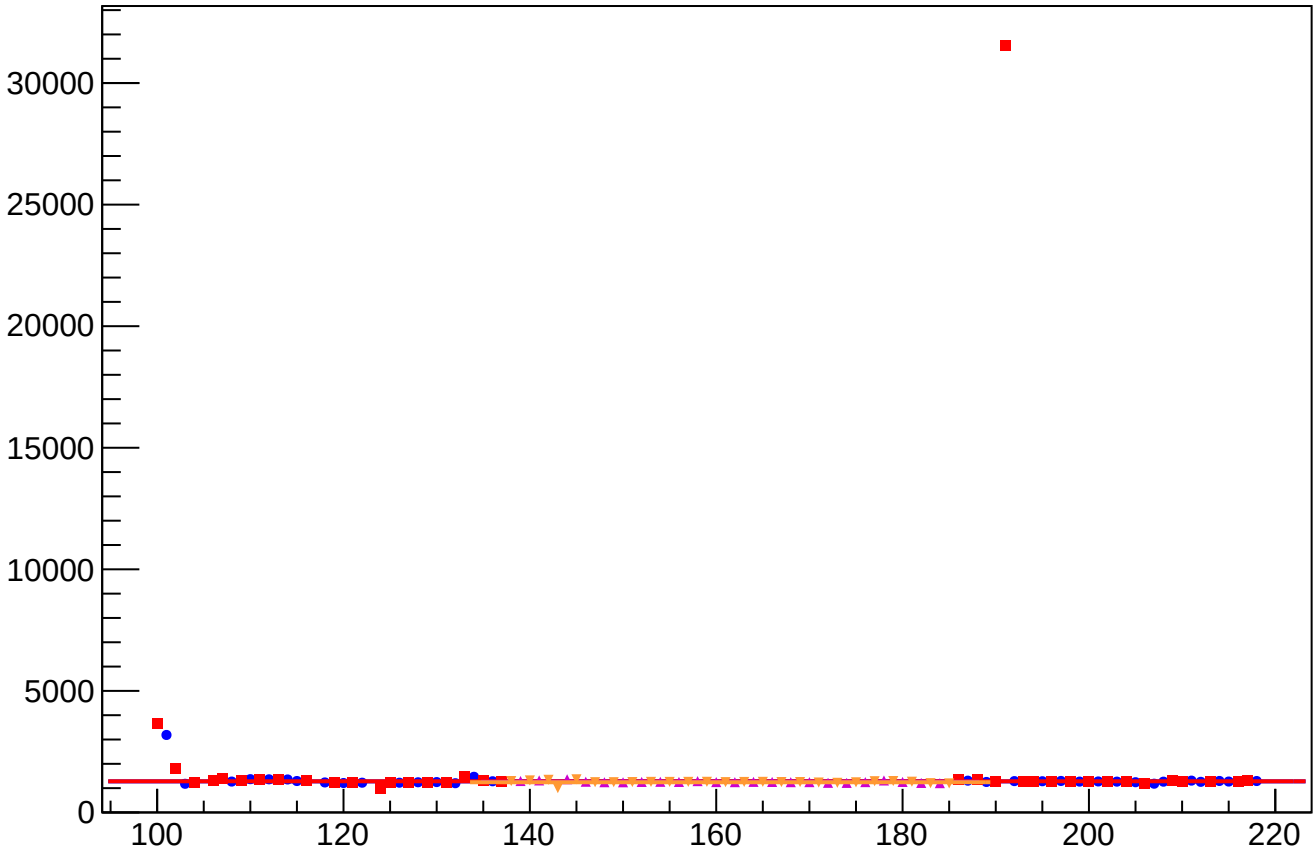
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -193.007+/-202.410 χ^2/NDF: 52.9/67

In: -336.127+/-205.195 χ^2/NDF:50.5/54

Out: -230.428+/-201.168 χ^2/NDF:68.0/60

All: -282.230+/-143.650 χ^2/NDF: 118.6/115



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: 1282.328+/-0.202 χ^2/NDF: 388682.7/35

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

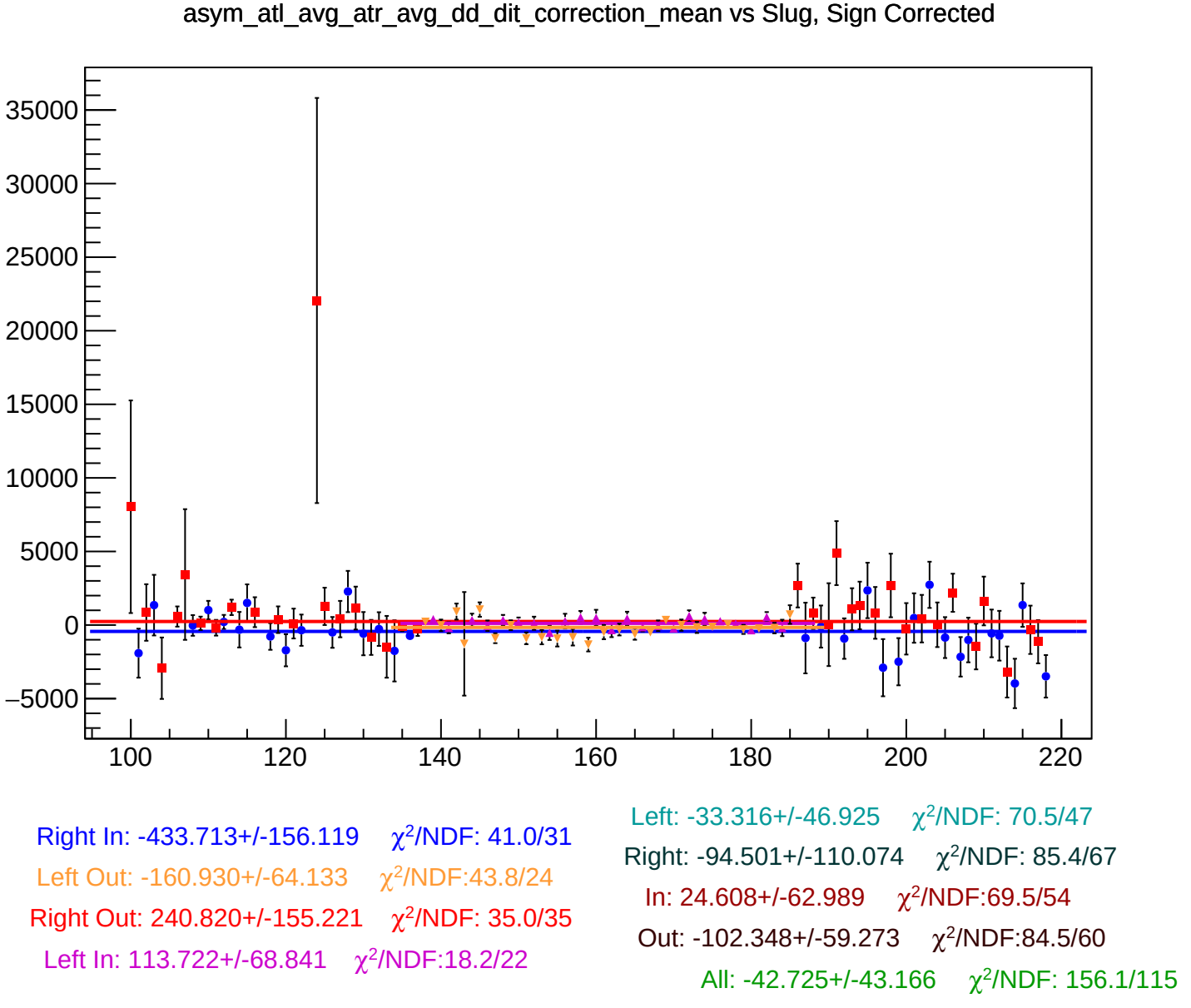
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1279.927+/-0.143 χ^2/NDF: 916008.9/67

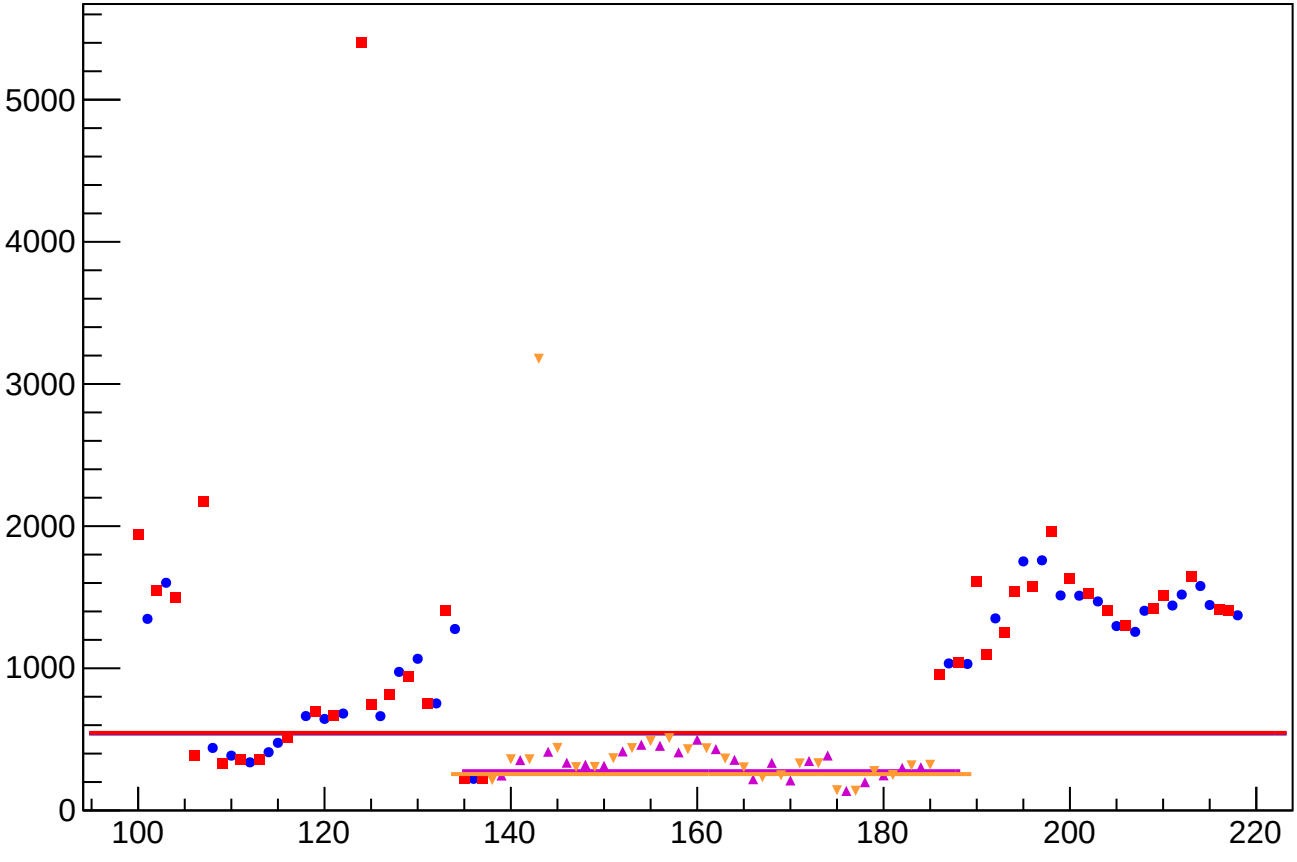
In: 1269.055+/-0.145 χ^2/NDF:558584.2/54

Out: 1262.185+/-0.142 χ^2/NDF:538262.3/60

All: 1265.552+/-0.102 χ^2/NDF: 1097989.8/11


asym_atl_avg_atr_avg_dd_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: -433.713+/-156.119 χ²/NDF: 41.0/31
Left Out: -160.930+/-64.133 χ²/NDF:43.8/24
Right Out: 240.820+/-155.221 χ²/NDF: 35.0/35
Left In: 113.722+/-68.841 χ²/NDF:18.2/22
Left: -33.316+/-46.925 χ²/NDF: 70.5/47
Right: -94.501+/-110.074 χ²/NDF: 85.4/67
In: 24.608+/-62.989 χ²/NDF:69.5/54
Out: -102.348+/-59.273 χ²/NDF:84.5/60
All: -42.725+/-43.166 χ²/NDF: 156.1/115

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: 545.650+/-0.110 χ^2/NDF: 16355148.3/35

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

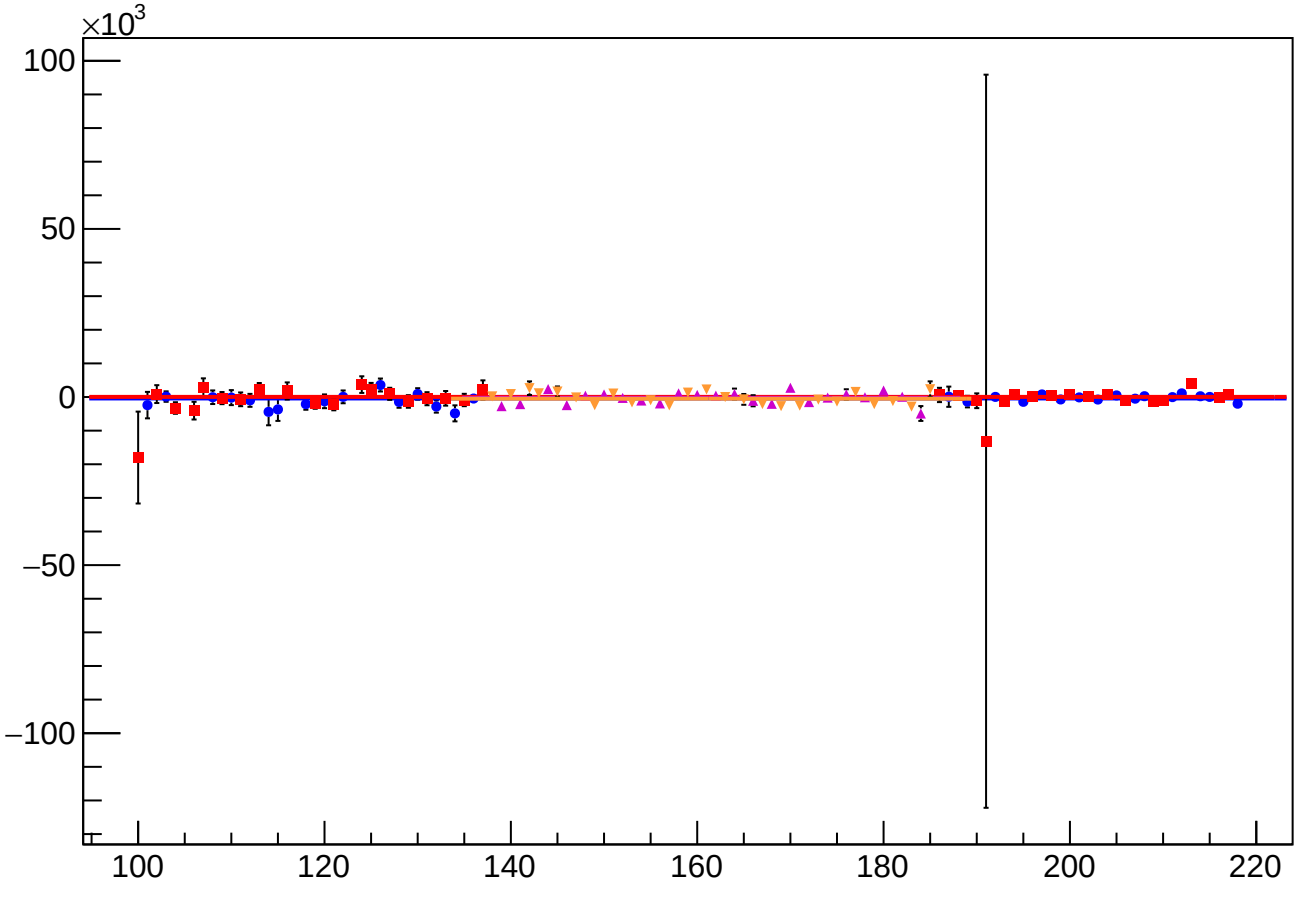
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 543.552+/-0.078 χ^2/NDF: 32433543.0/67

In: 319.458+/-0.045 χ^2/NDF:24934254.6/54

Out: 298.038+/-0.042 χ^2/NDF:28687387.3/60

All: 308.097+/-0.031 χ^2/NDF: 53744301.6/11



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: 39.236+/-286.290 χ^2/NDF: 32.0/35

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

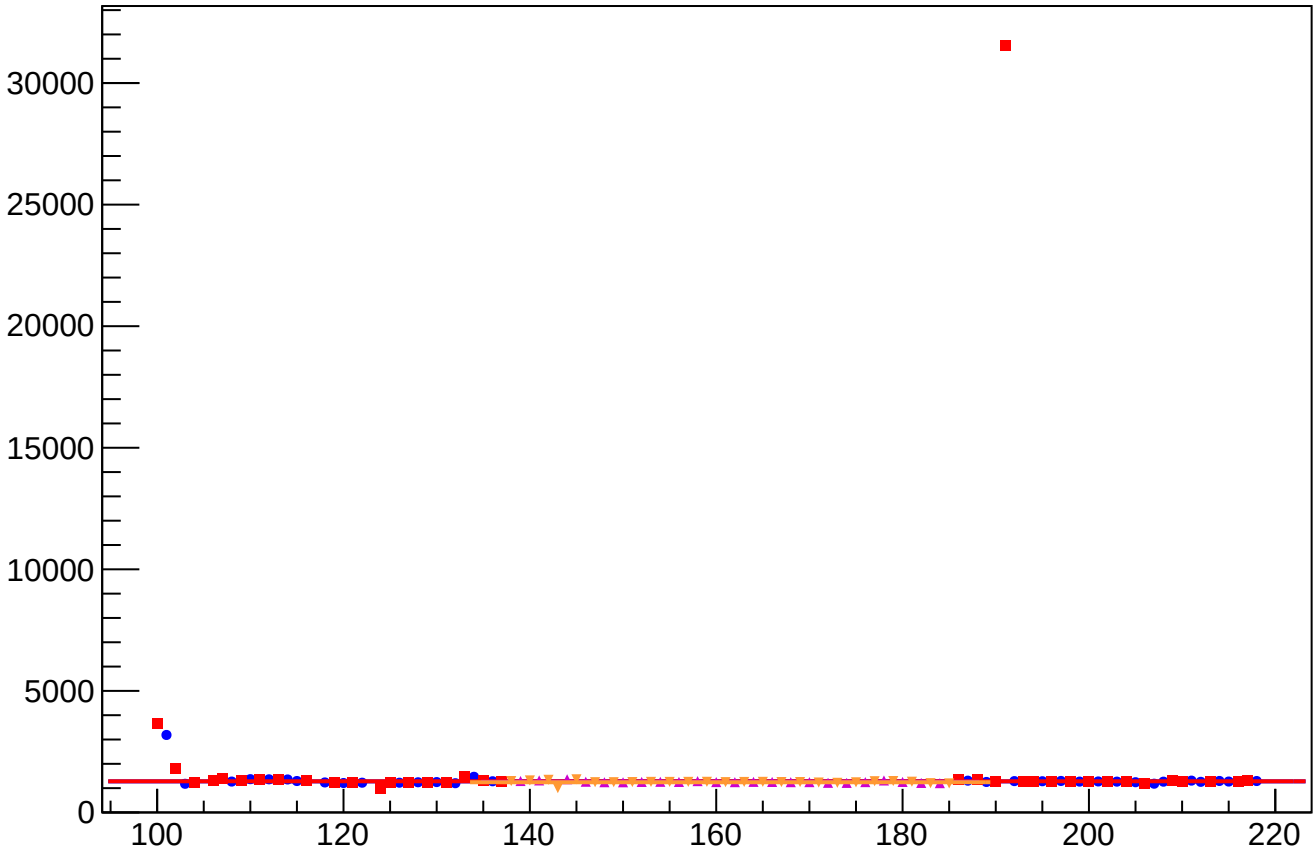
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -193.006+/-202.410 χ^2/NDF: 52.9/67

In: -336.126+/-205.195 χ^2/NDF:50.5/54

Out: -230.428+/-201.168 χ^2/NDF:68.0/60

All: -282.230+/-143.650 χ^2/NDF: 118.6/115



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: 1282.327+/-0.202 χ^2/NDF: 388683.0/35

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

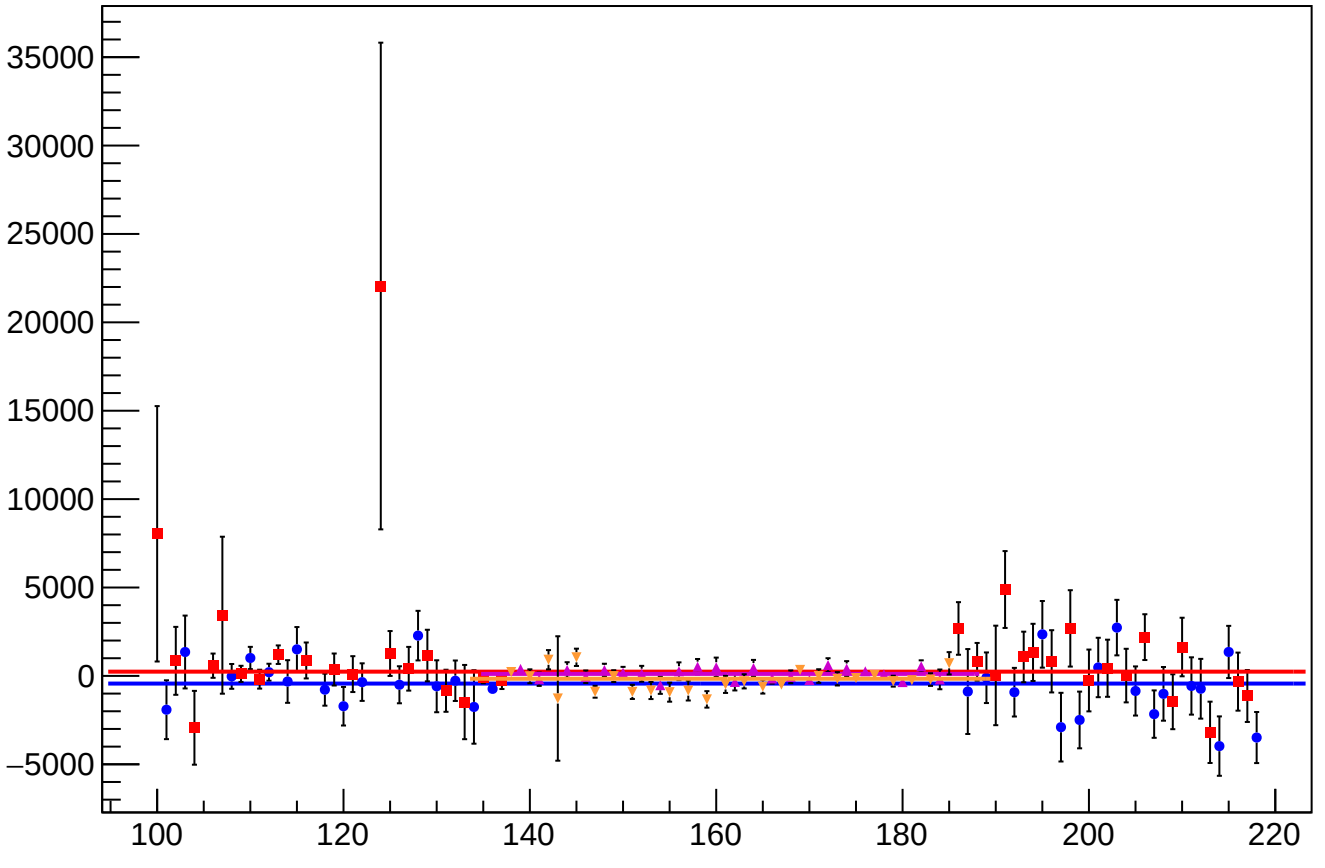
Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

Right: 1279.927+/-0.143 χ^2/NDF: 916009.2/67

In: 1269.055+/-0.145 χ^2/NDF:558584.2/54

Out: 1262.185+/-0.142 χ^2/NDF:538261.8/60

All: 1265.552+/-0.102 χ^2/NDF: 1097989.3/11



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: 240.827+/-155.223 χ^2/NDF: 35.0/35

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

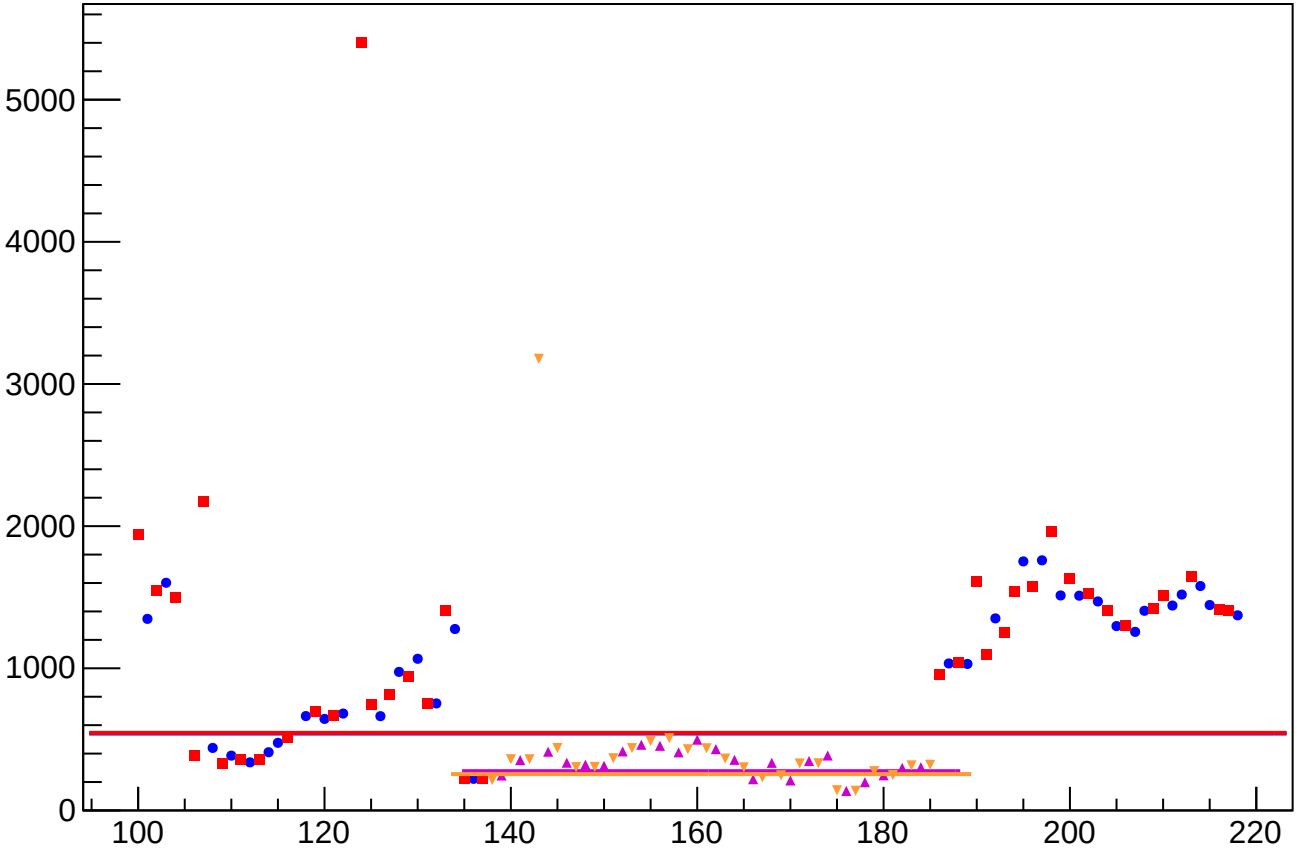
Right: -94.498+/-110.075 χ^2/NDF: 85.4/67

In: 24.608+/-62.989 χ^2/NDF:69.5/54

Out: -102.350+/-59.273 χ^2/NDF:84.5/60

All: -42.726+/-43.166 χ^2/NDF: 156.1/115

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: 545.661+/-0.110 χ^2/NDF: 16354804.0/35

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

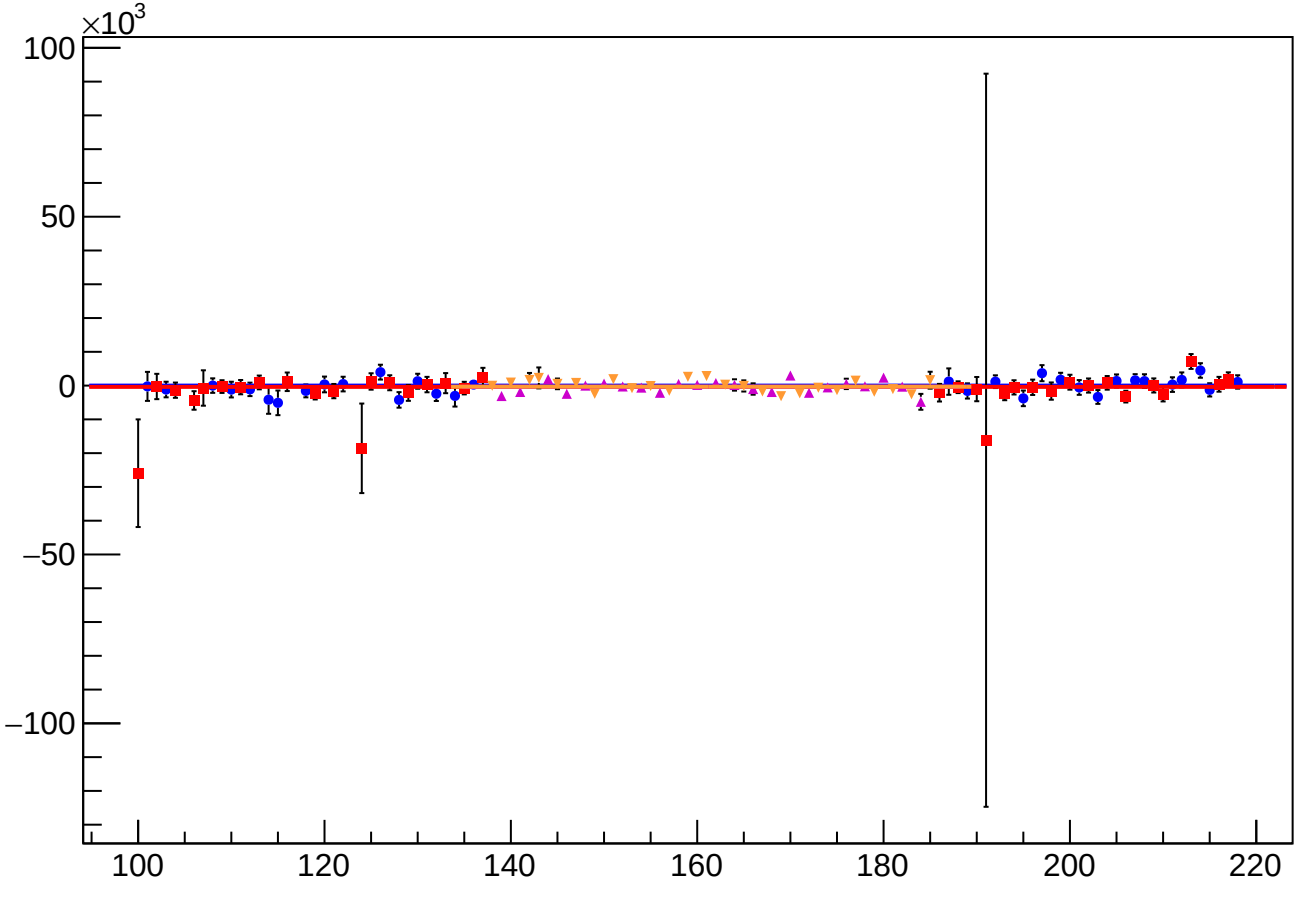
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 543.563+/-0.078 χ^2/NDF: 32432727.7/67

In: 319.459+/-0.045 χ^2/NDF:24934086.5/54

Out: 298.040+/-0.042 χ^2/NDF:28687184.0/60

All: 308.099+/-0.031 χ^2/NDF: 53743924.0/11



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: -376.597+/-389.381 χ^2/NDF: 30.7/35

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

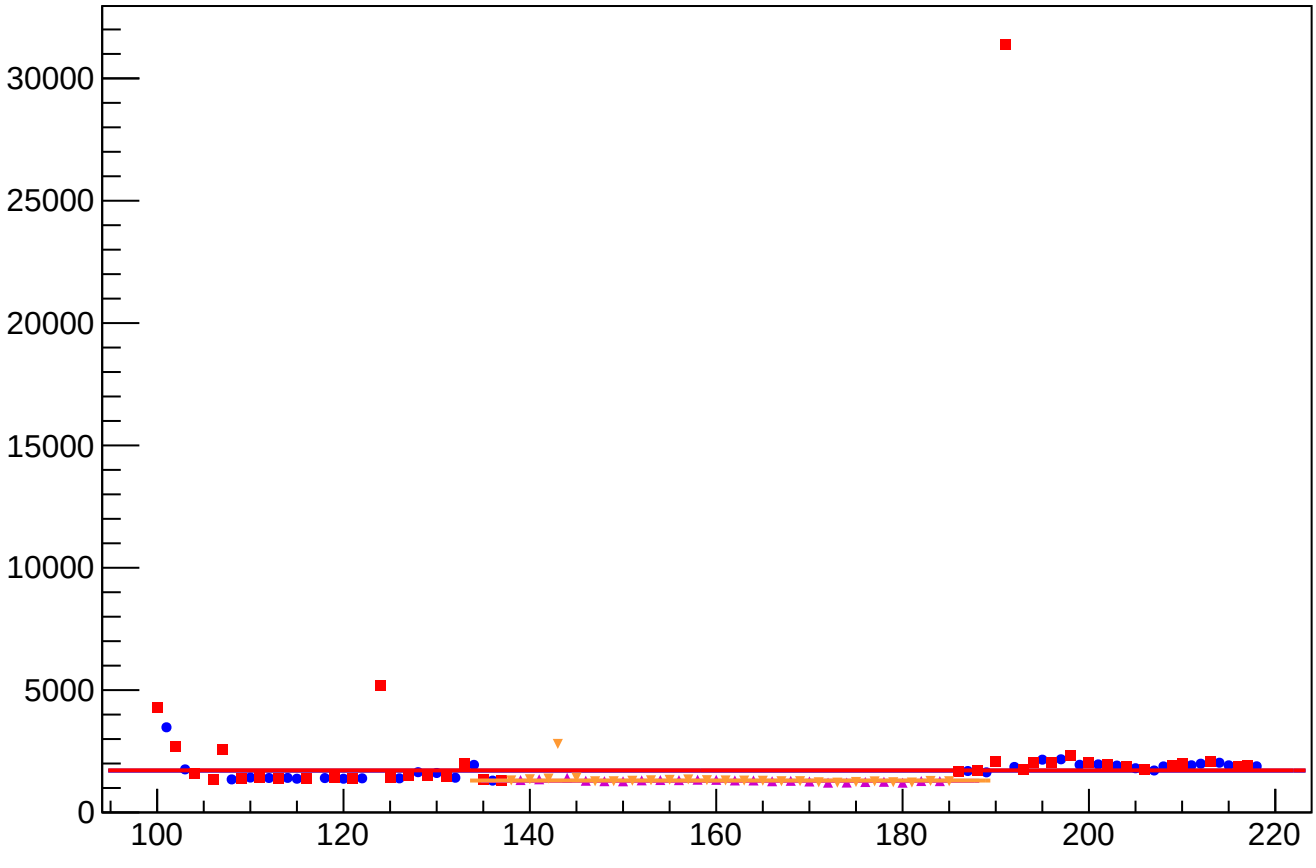
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -188.995+/-274.430 χ^2/NDF: 61.7/67

In: -222.936+/-238.000 χ^2/NDF:60.7/54

Out: -340.768+/-236.784 χ^2/NDF:62.3/60

All: -282.154+/-167.860 χ^2/NDF: 123.1/115



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: 1720.339+/-0.275 χ^2/NDF: 1537129.1/35

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

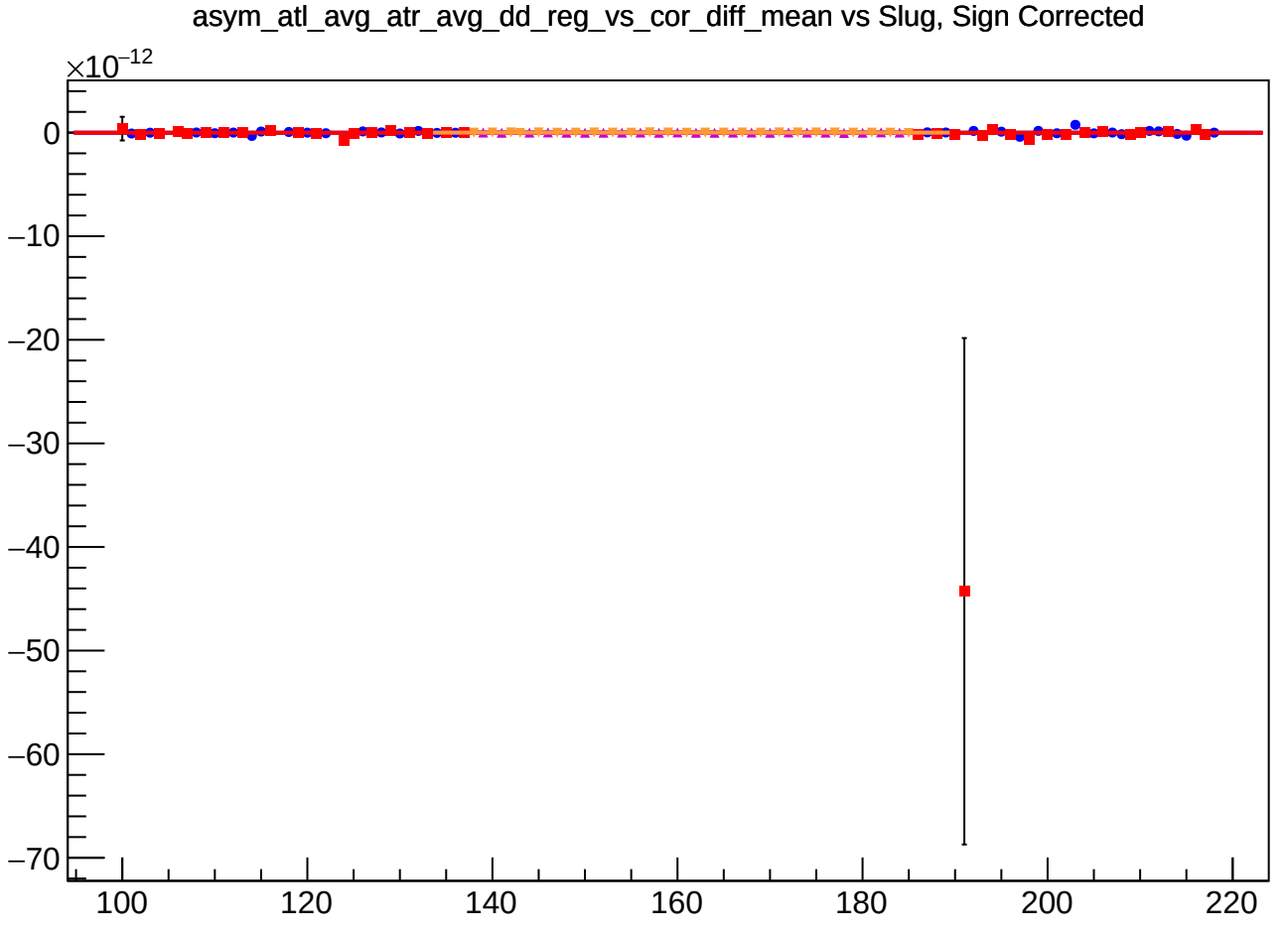
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1714.262+/-0.194 χ^2/NDF: 2834866.7/67

In: 1449.644+/-0.168 χ^2/NDF:2783498.2/54

Out: 1458.057+/-0.167 χ^2/NDF:3496649.6/60

All: 1453.872+/-0.119 χ^2/NDF: 6281403.9/11



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: 43.7/35

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

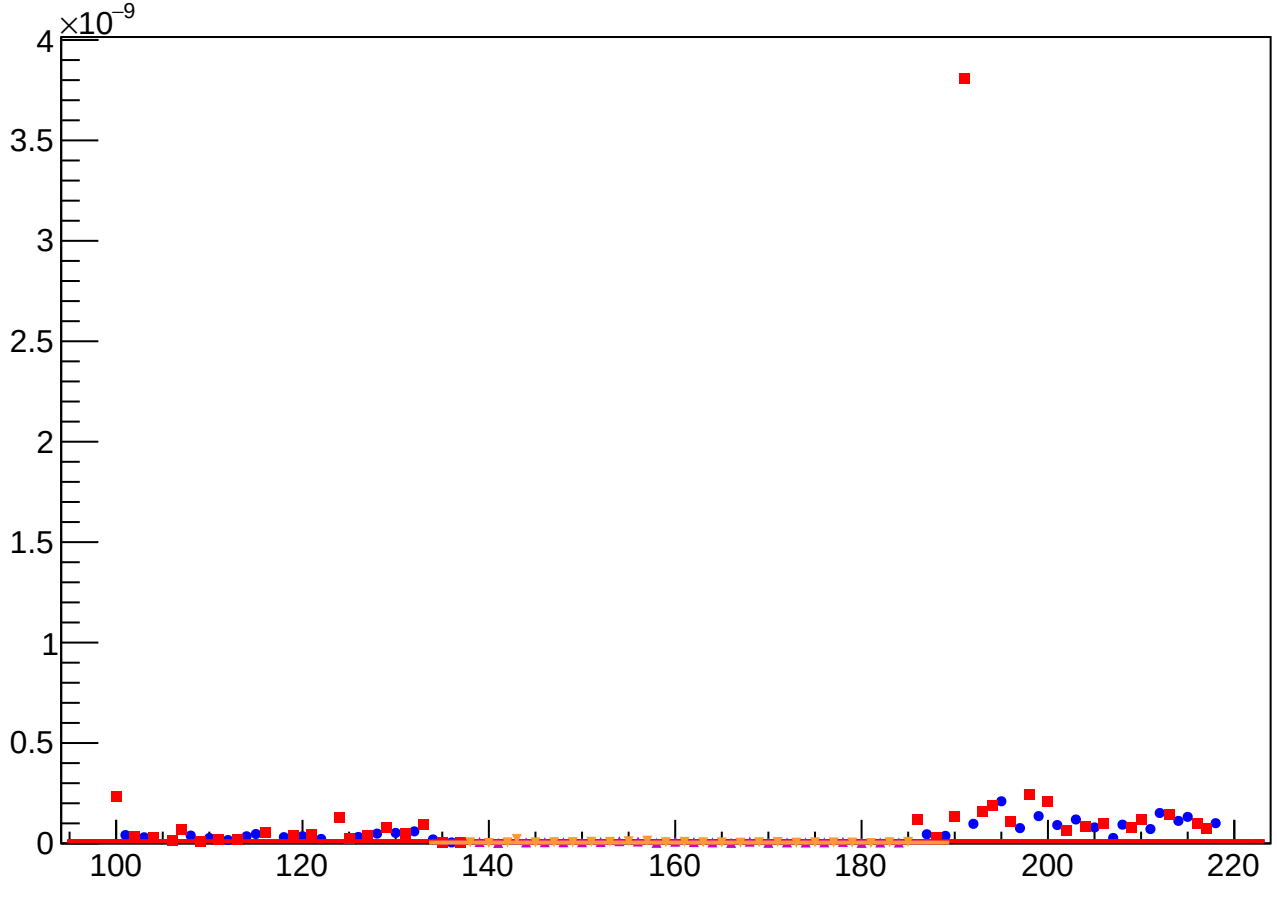
Right: -0.000+/-0.000 χ^2/NDF: 77.9/67

In: -0.000+/-0.000 χ^2/NDF:65.8/54

Out: -0.000+/-0.000 χ^2/NDF:70.9/60

All: -0.000+/-0.000 χ^2/NDF: 137.0/115

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: 12261856.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

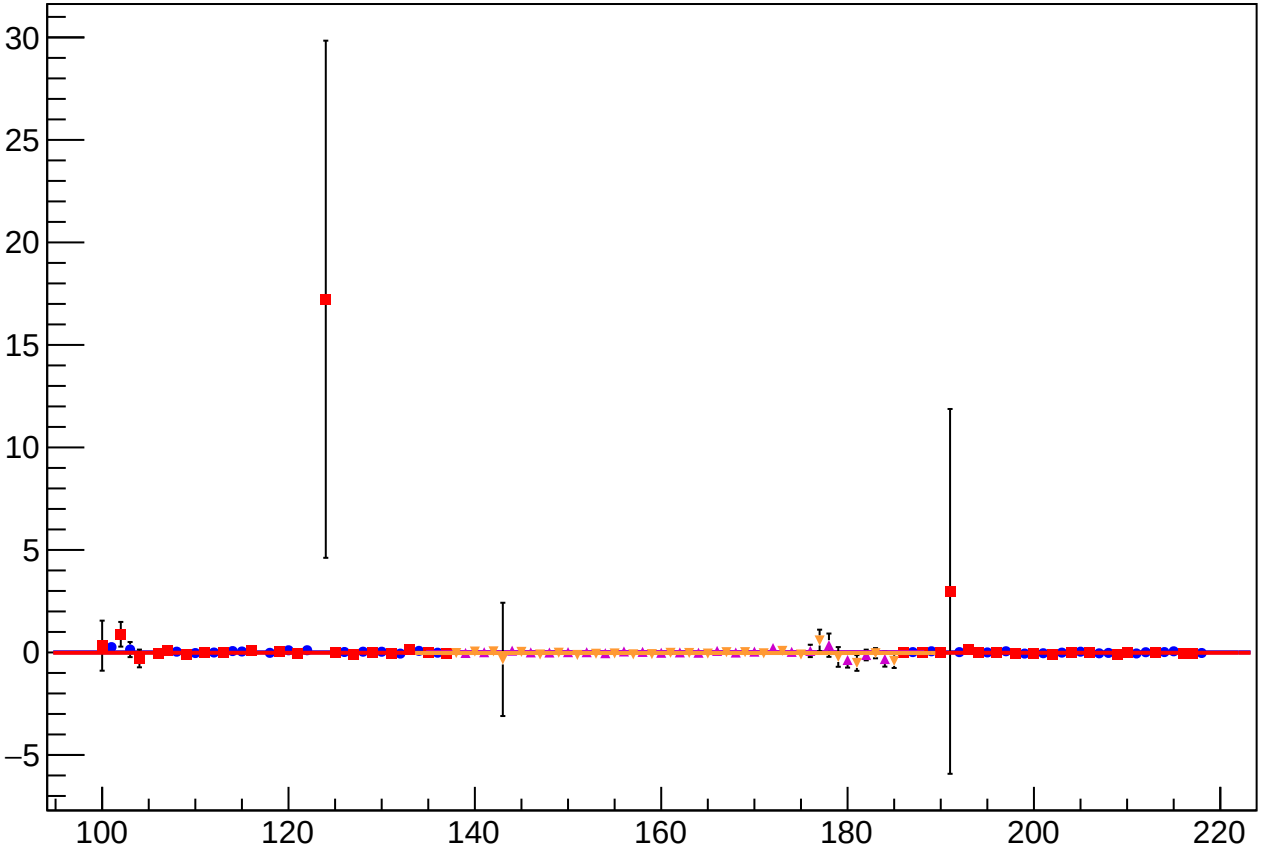
Right: 0.000+/-0.000 χ^2/NDF: 23045933.6/67

In: 0.000+/-0.000 χ^2/NDF:13922319.1/54

Out: 0.000+/-0.000 χ^2/NDF:16430213.8/60

All: 0.000+/-0.000 χ^2/NDF: 30383817.8/115

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: -0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

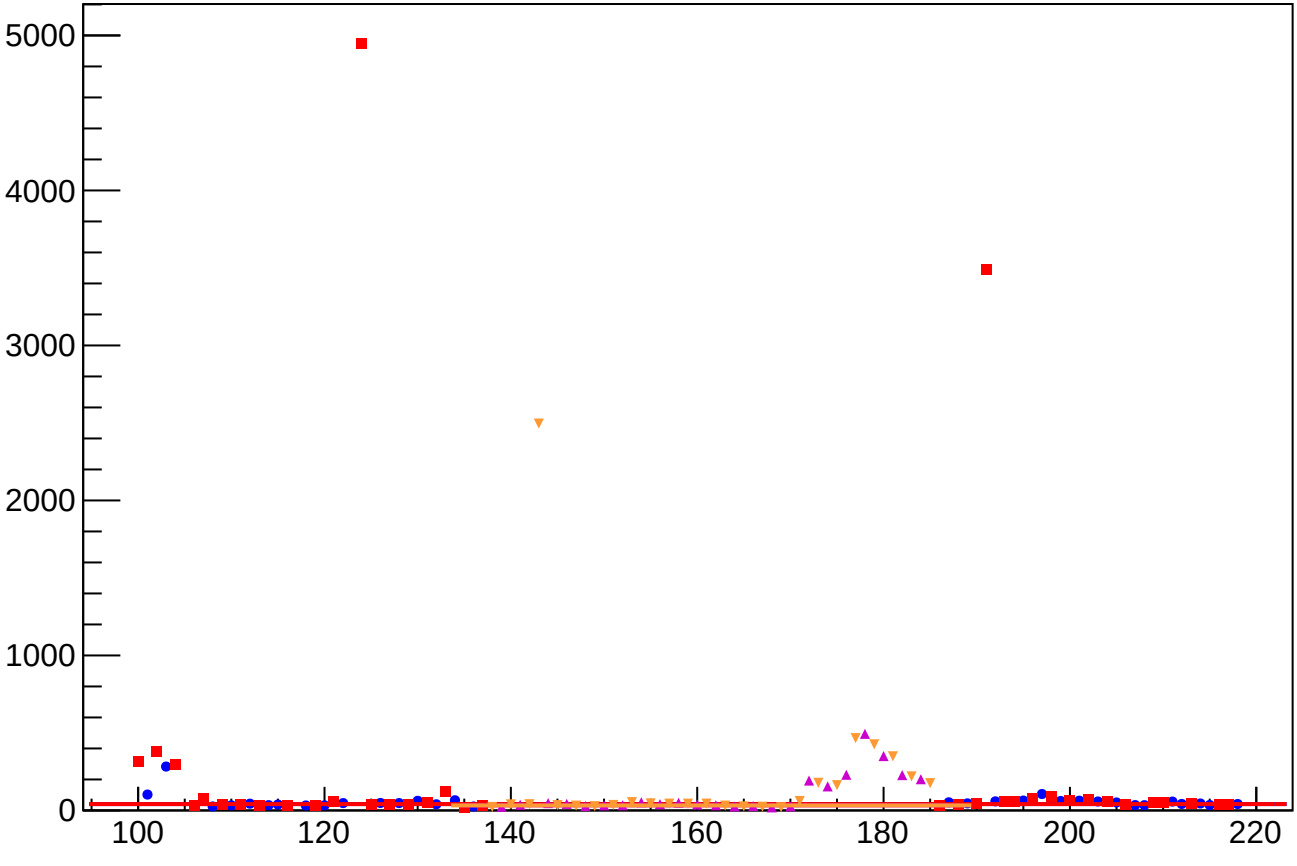
Right: -0.004+/-0.007 χ^2/NDF: 48.6/67

In: 0.009+/-0.007 χ^2/NDF:32.4/54

Out: -0.022+/-0.007 χ^2/NDF:56.1/60

All: -0.006+/-0.005 χ^2/NDF: 98.4/115

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: 41.043+/-0.007 χ^2/NDF: 5538326.8/35

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

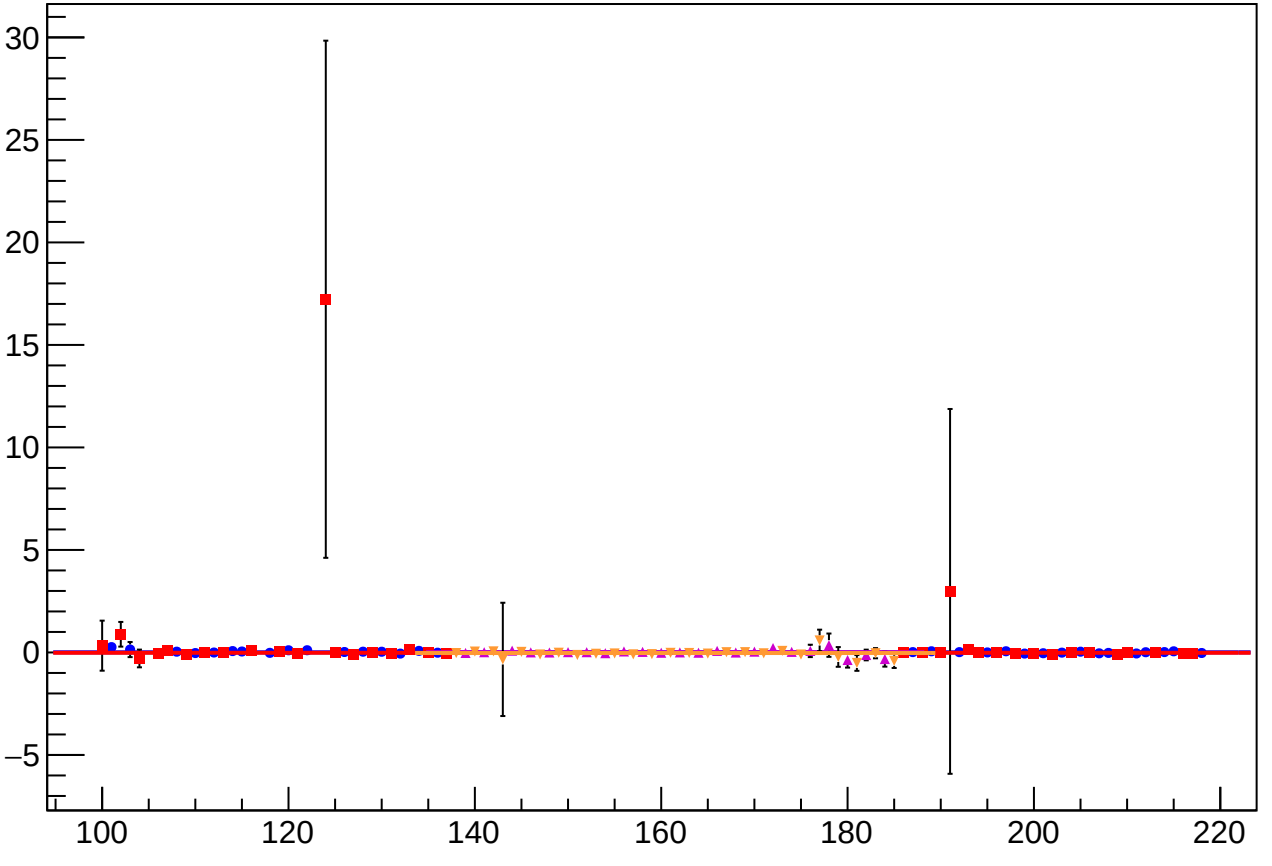
Right: 41.136+/-0.005 χ^2/NDF: 9853816.9/67

In: 36.610+/-0.005 χ^2/NDF:14006951.3/54

Out: 36.410+/-0.005 χ^2/NDF:17133905.3/60

All: 36.511+/-0.004 χ^2/NDF: 31141671.2/115

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: -0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

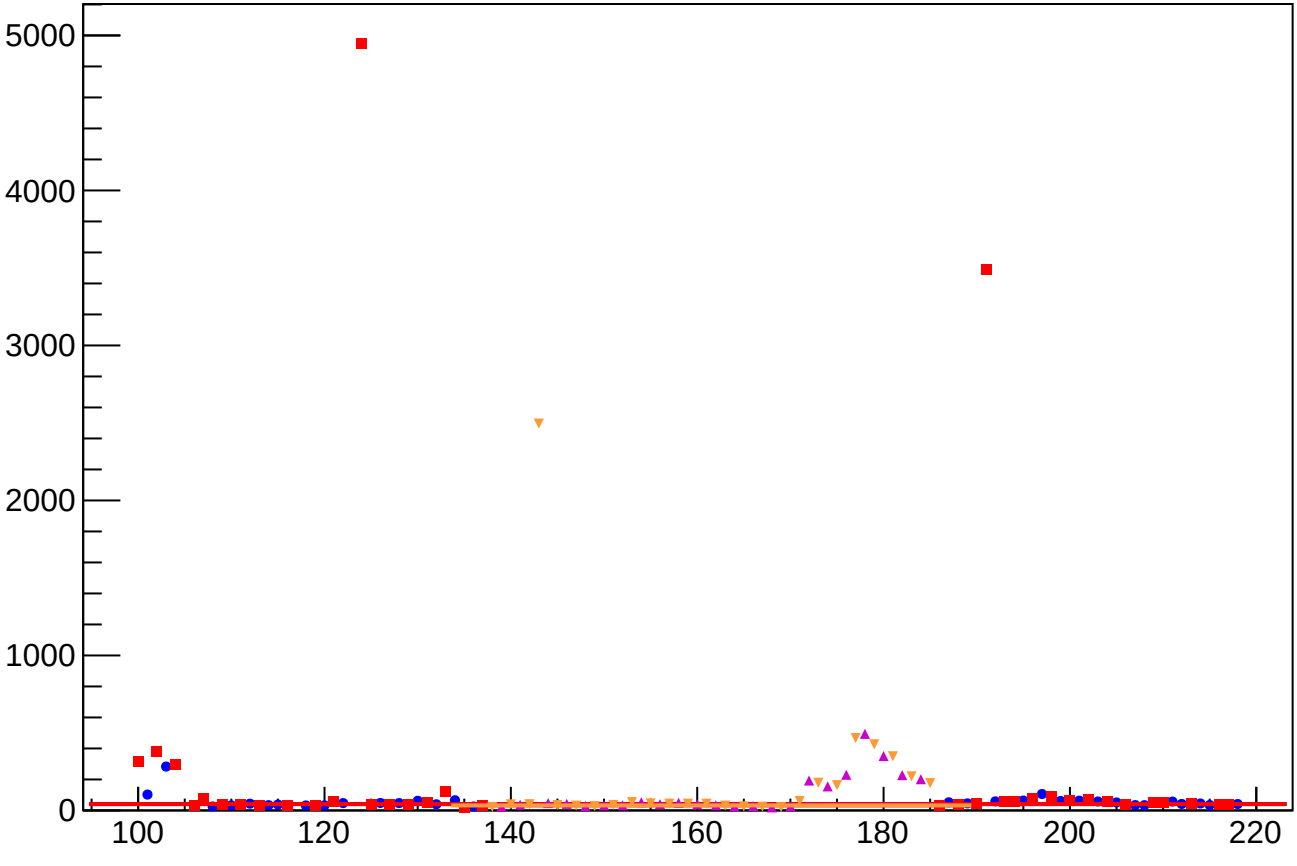
Right: -0.004+/-0.007 χ^2/NDF: 48.6/67

In: 0.009+/-0.007 χ^2/NDF:32.4/54

Out: -0.022+/-0.007 χ^2/NDF:56.1/60

All: -0.006+/-0.005 χ^2/NDF: 98.4/115

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: 41.043+/-0.007 χ^2/NDF: 5538326.8/35

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

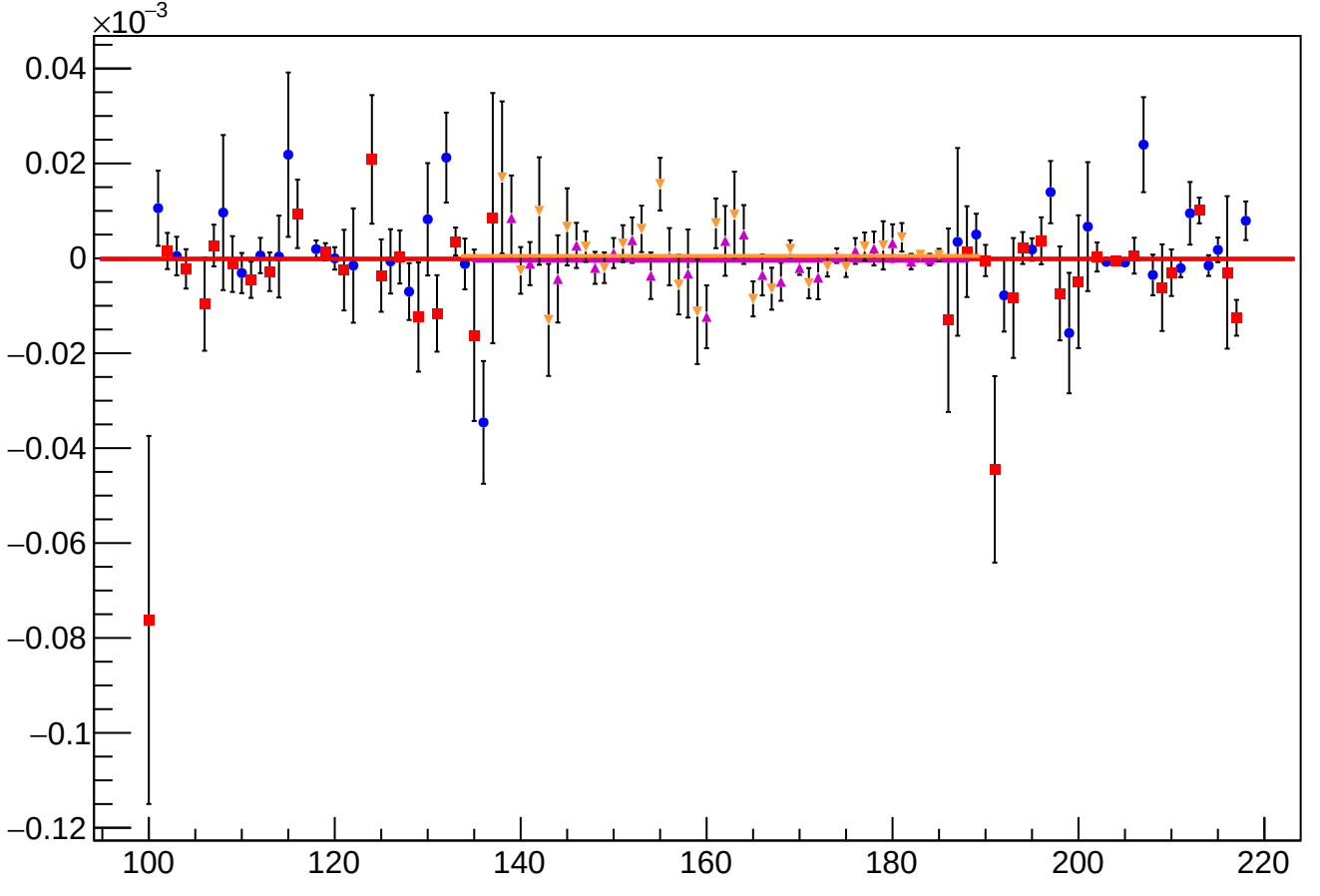
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.136+/-0.005 χ^2/NDF: 9853816.9/67

In: 36.610+/-0.005 χ^2/NDF:14006951.3/54

Out: 36.410+/-0.005 χ^2/NDF:17133905.3/60

All: 36.511+/-0.004 χ^2/NDF: 31141671.2/115



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: 52.0/35

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

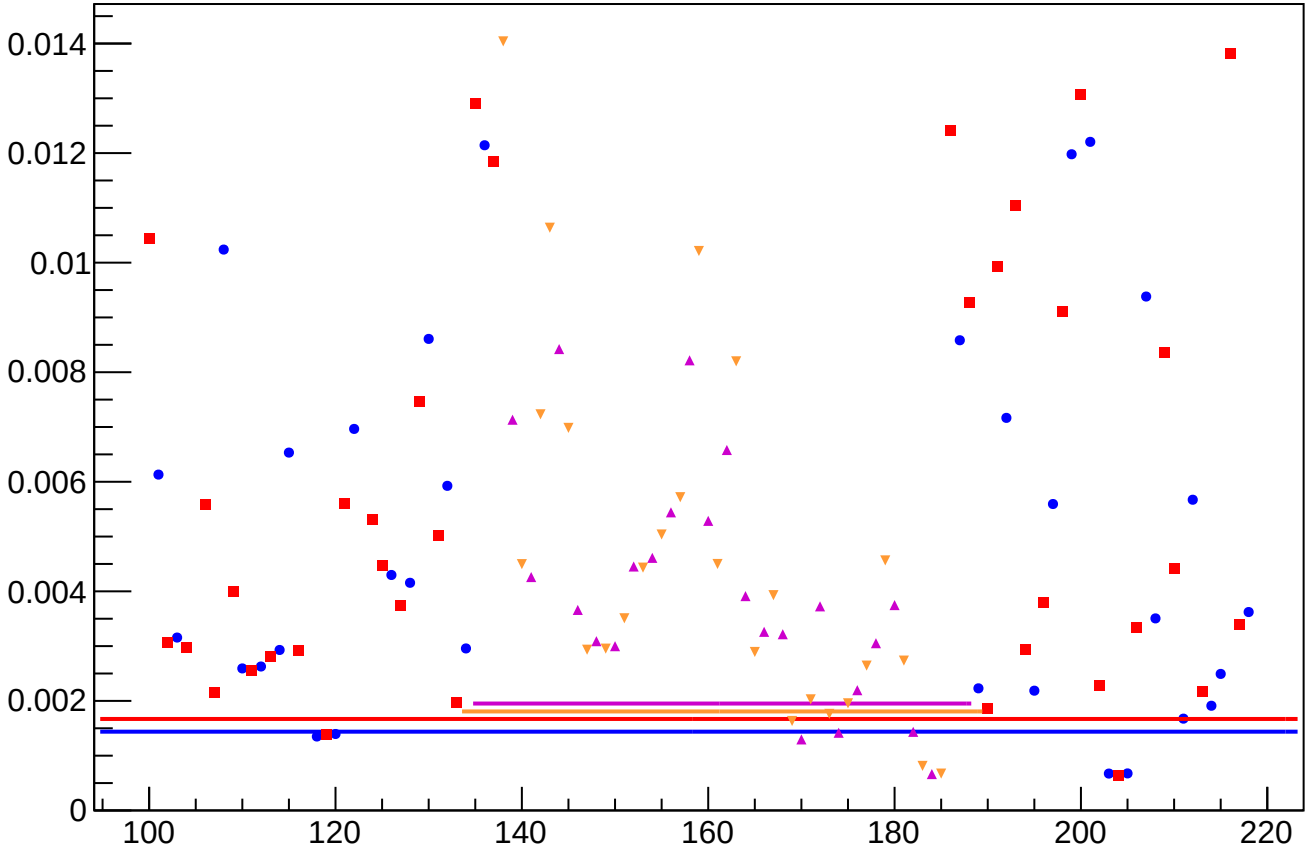
Right: -0.000+/-0.000 χ^2/NDF: 96.8/67

In: -0.000+/-0.000 χ^2/NDF:58.7/54

Out: 0.000+/-0.000 χ^2/NDF:88.3/60

All: -0.000+/-0.000 χ^2/NDF: 147.8/115

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: 18856042.8/35

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

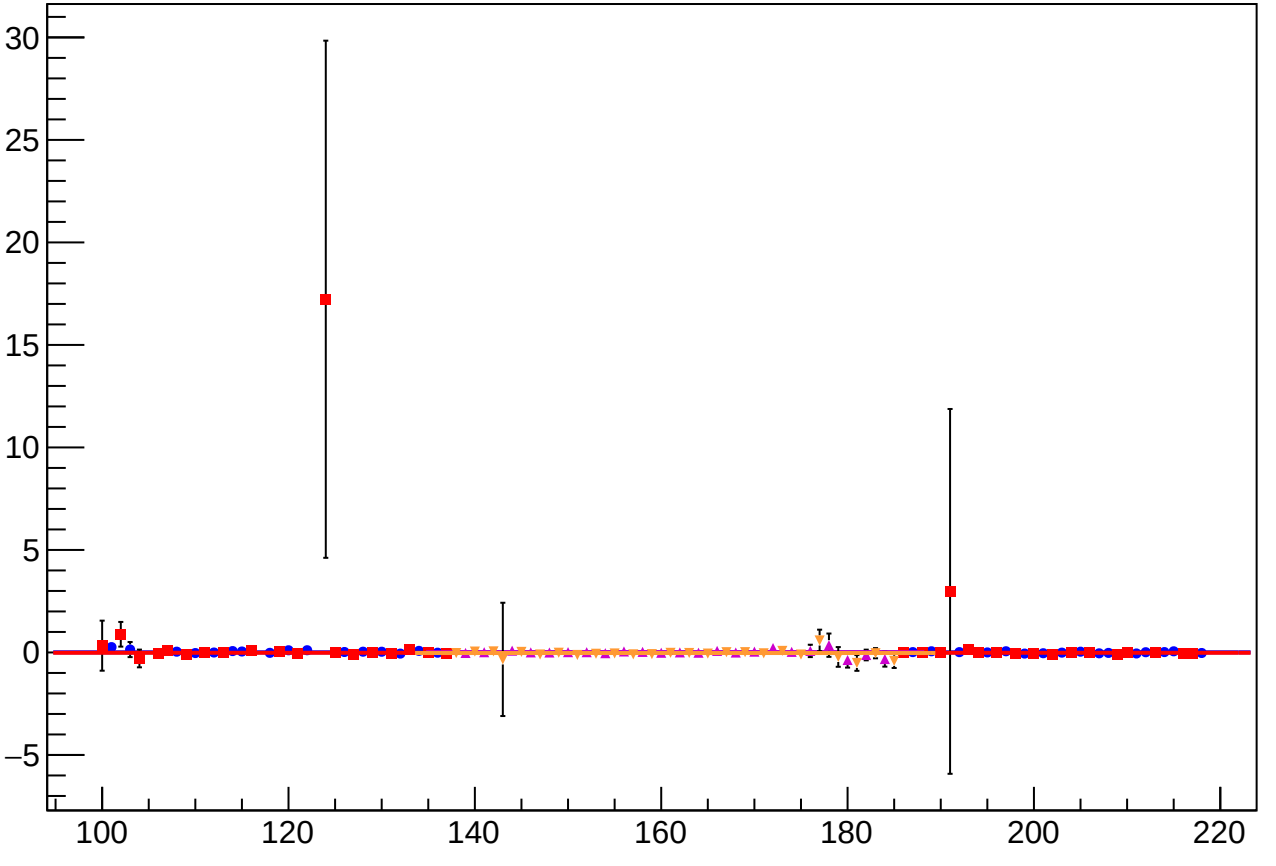
Right: 0.002+/-0.000 χ^2/NDF: 36949844.3/67

In: 0.002+/-0.000 χ^2/NDF:30293009.4/54

Out: 0.002+/-0.000 χ^2/NDF:33861050.2/60

All: 0.002+/-0.000 χ^2/NDF: 64224810.0/115

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: -0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

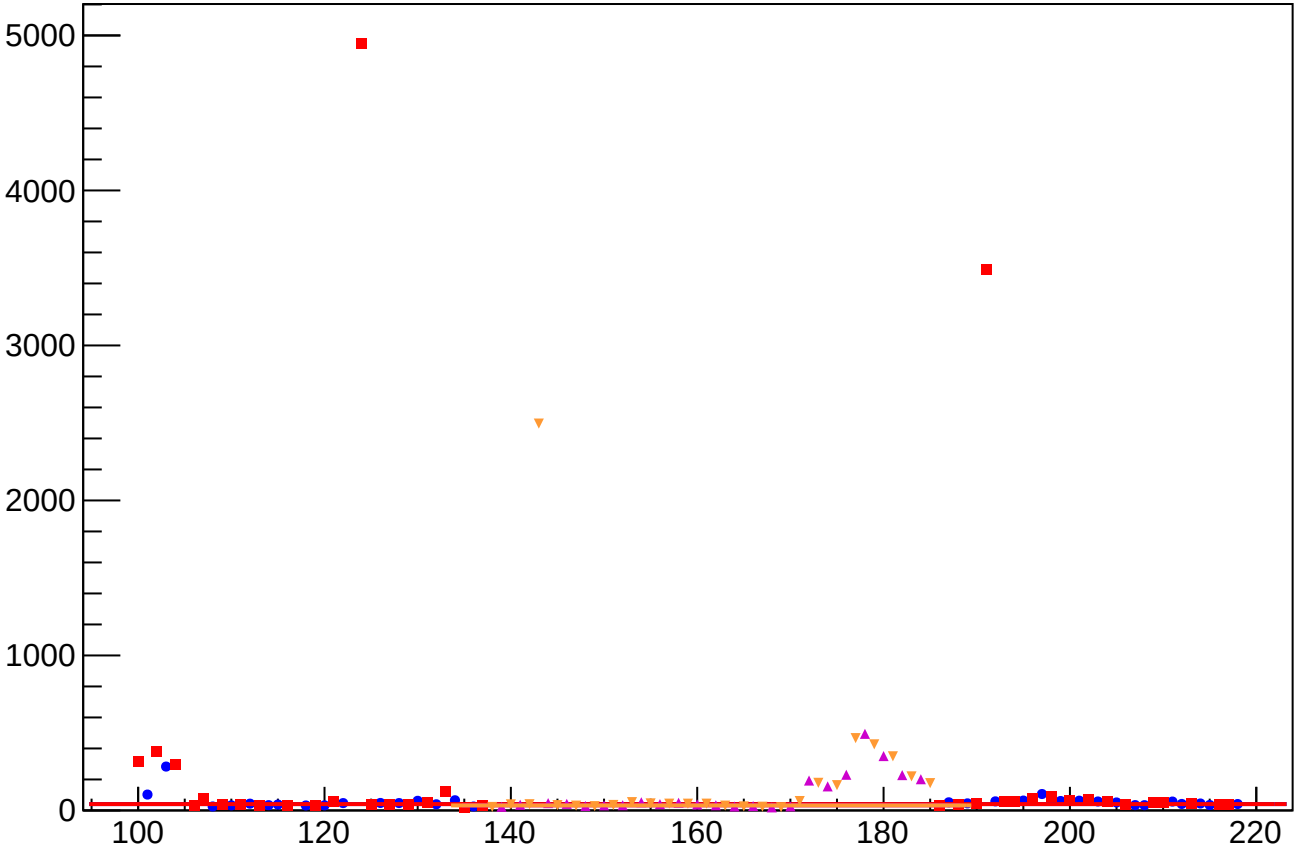
Right: -0.004+/-0.007 χ^2/NDF: 48.6/67

In: 0.009+/-0.007 χ^2/NDF:32.4/54

Out: -0.022+/-0.007 χ^2/NDF:56.1/60

All: -0.006+/-0.005 χ^2/NDF: 98.4/115

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: 41.043+/-0.007 χ^2/NDF: 5538148.3/35

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

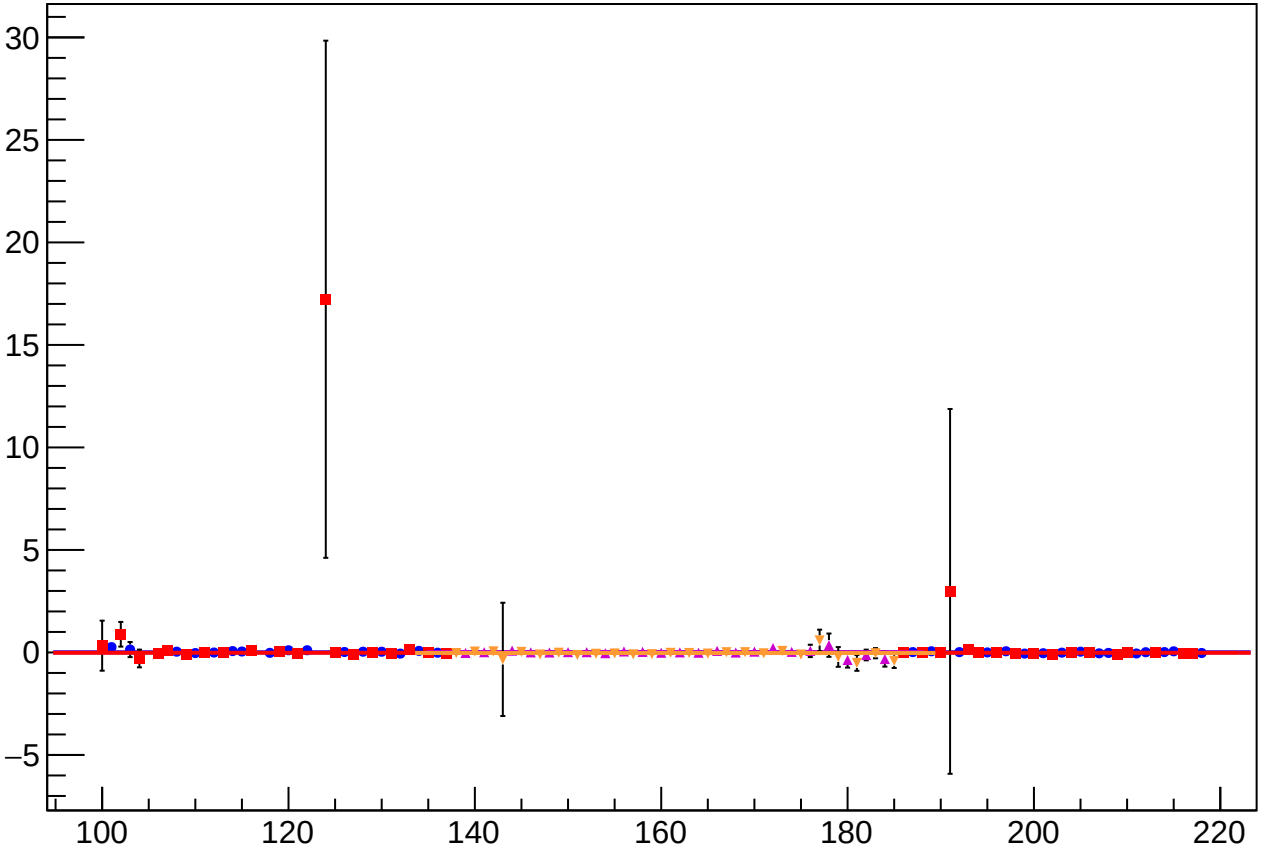
Right: 41.136+/-0.005 χ^2/NDF: 9853275.9/67

In: 36.610+/-0.005 χ^2/NDF:14007488.2/54

Out: 36.410+/-0.005 χ^2/NDF:17134000.2/60

All: 36.510+/-0.004 χ^2/NDF: 31142298.4/115

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: -0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

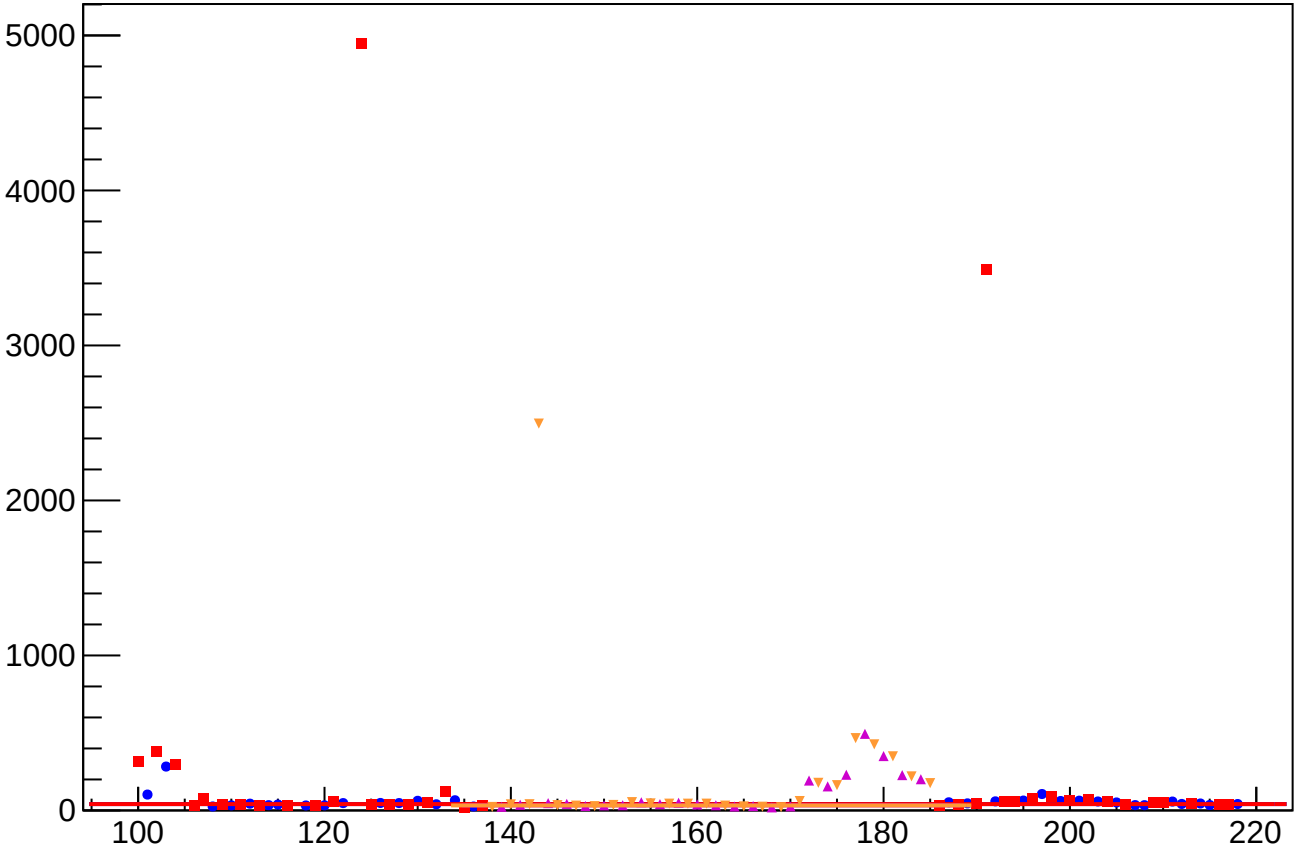
Right: -0.004+/-0.007 χ^2/NDF: 48.6/67

In: 0.009+/-0.007 χ^2/NDF:32.4/54

Out: -0.022+/-0.007 χ^2/NDF:56.1/60

All: -0.006+/-0.005 χ^2/NDF: 98.4/115

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: 41.043+/-0.007 χ^2/NDF: 5538148.3/35

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

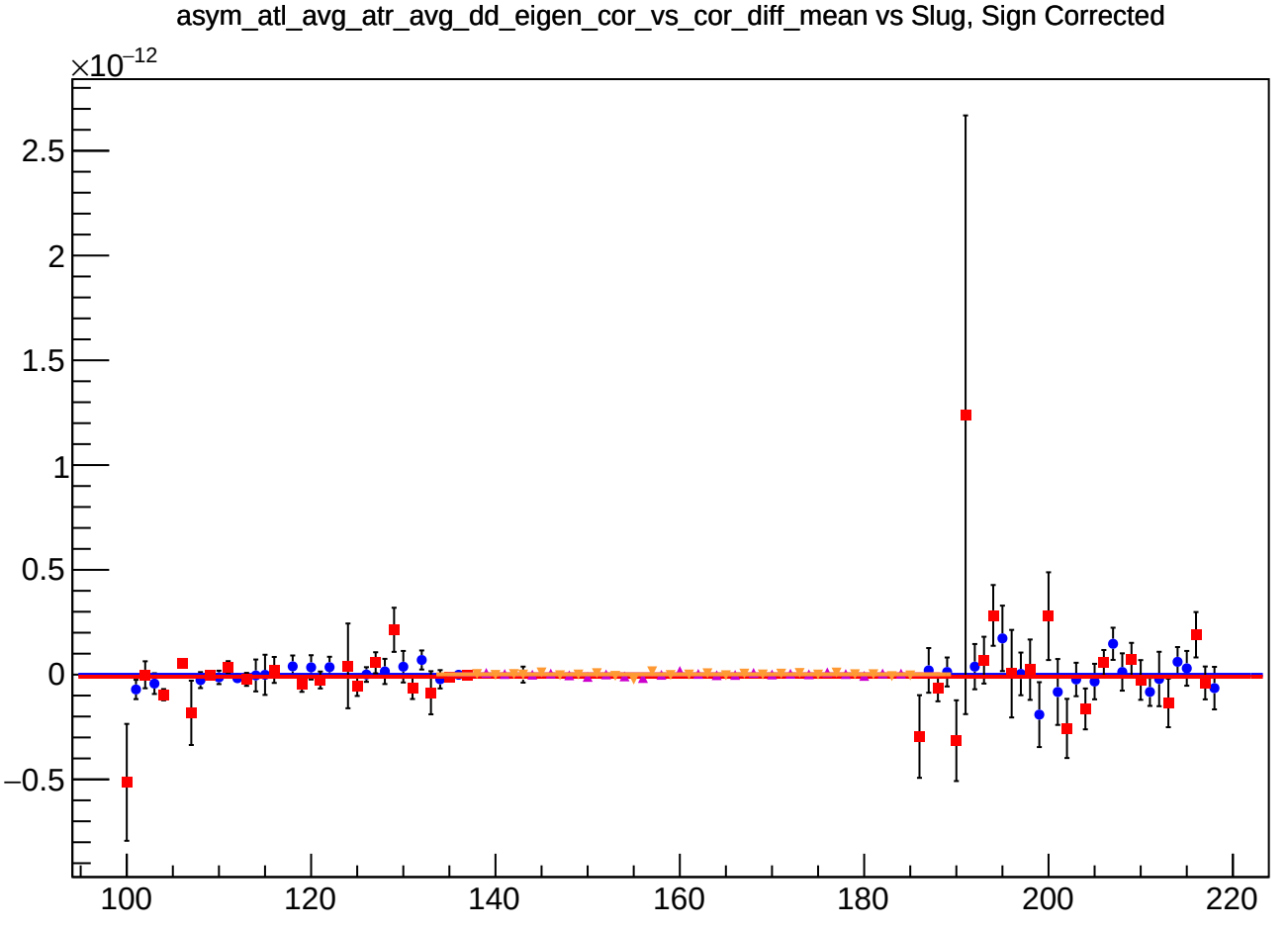
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 41.136+/-0.005 χ^2/NDF: 9853275.9/67

In: 36.610+/-0.005 χ^2/NDF:14007488.2/54

Out: 36.410+/-0.005 χ^2/NDF:17134000.2/60

All: 36.510+/-0.004 χ^2/NDF: 31142298.4/115



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: 65.0/35

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

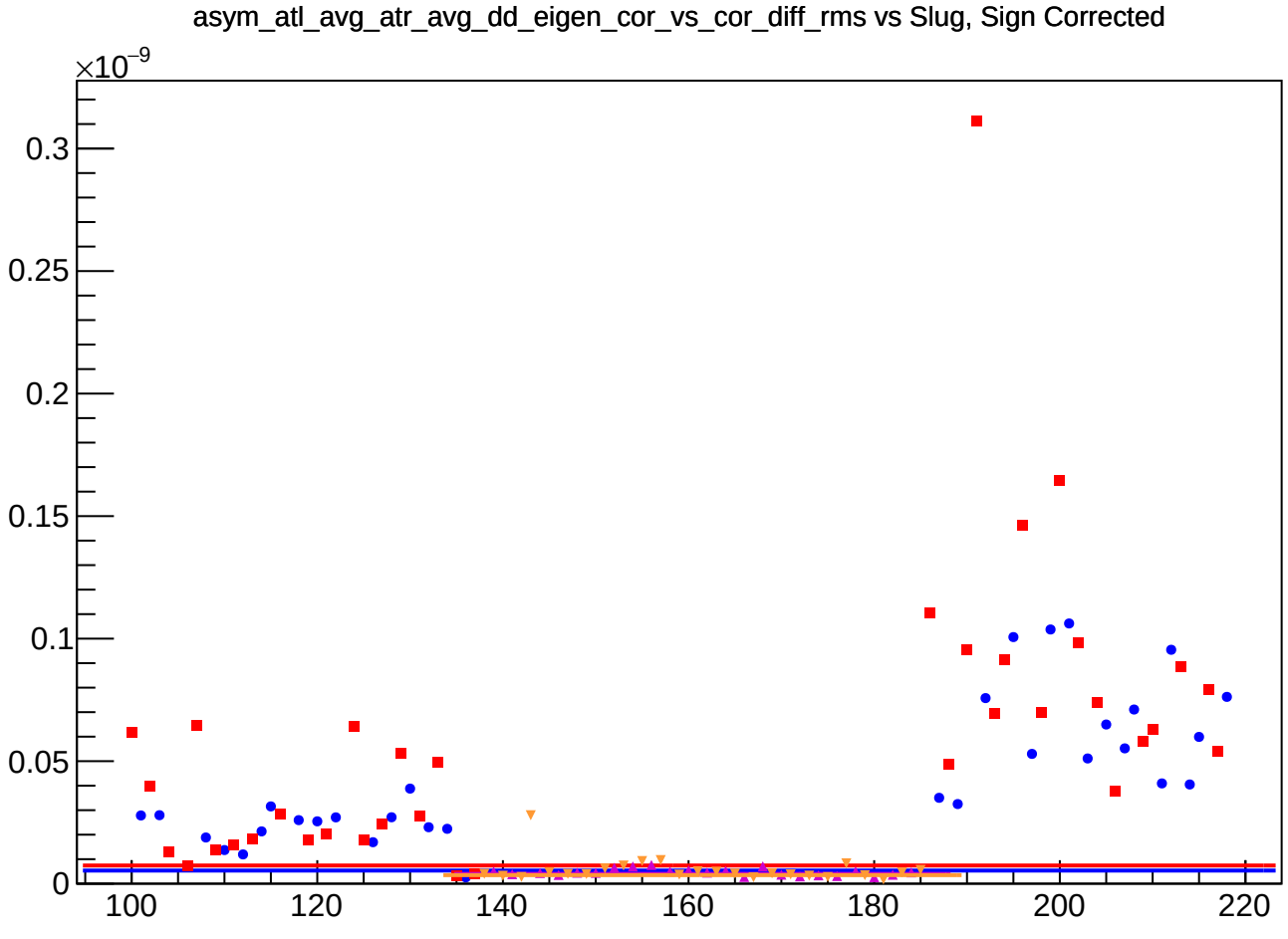
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

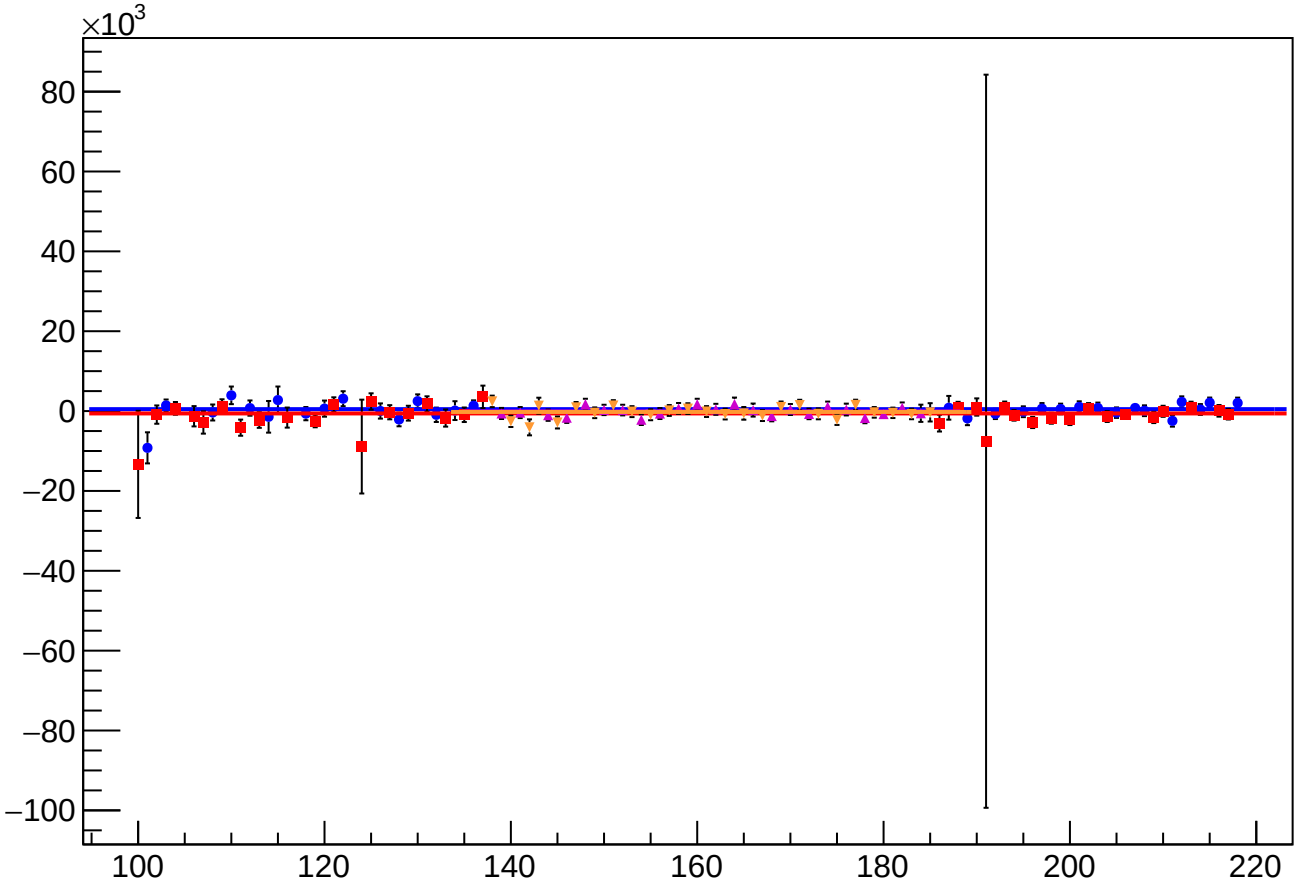
Right: -0.000+/-0.000 χ^2/NDF: 86.6/67

In: 0.000+/-0.000 χ^2/NDF:47.8/54

Out: 0.000+/-0.000 χ^2/NDF:90.7/60

All: 0.000+/-0.000 χ^2/NDF: 138.5/115


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 16874327.4/31
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 17002274.1/35
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
Left: 0.000+/-0.000 χ²/NDF: 6948707.3/47
Right: 0.000+/-0.000 χ²/NDF: 34175242.5/67
In: 0.000+/-0.000 χ²/NDF:19247225.1/54
Out: 0.000+/-0.000 χ²/NDF:23390379.9/60
All: 0.000+/-0.000 χ²/NDF: 42767961.4/115



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: -592.089+/-283.572 χ^2/NDF: 29.7/35

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

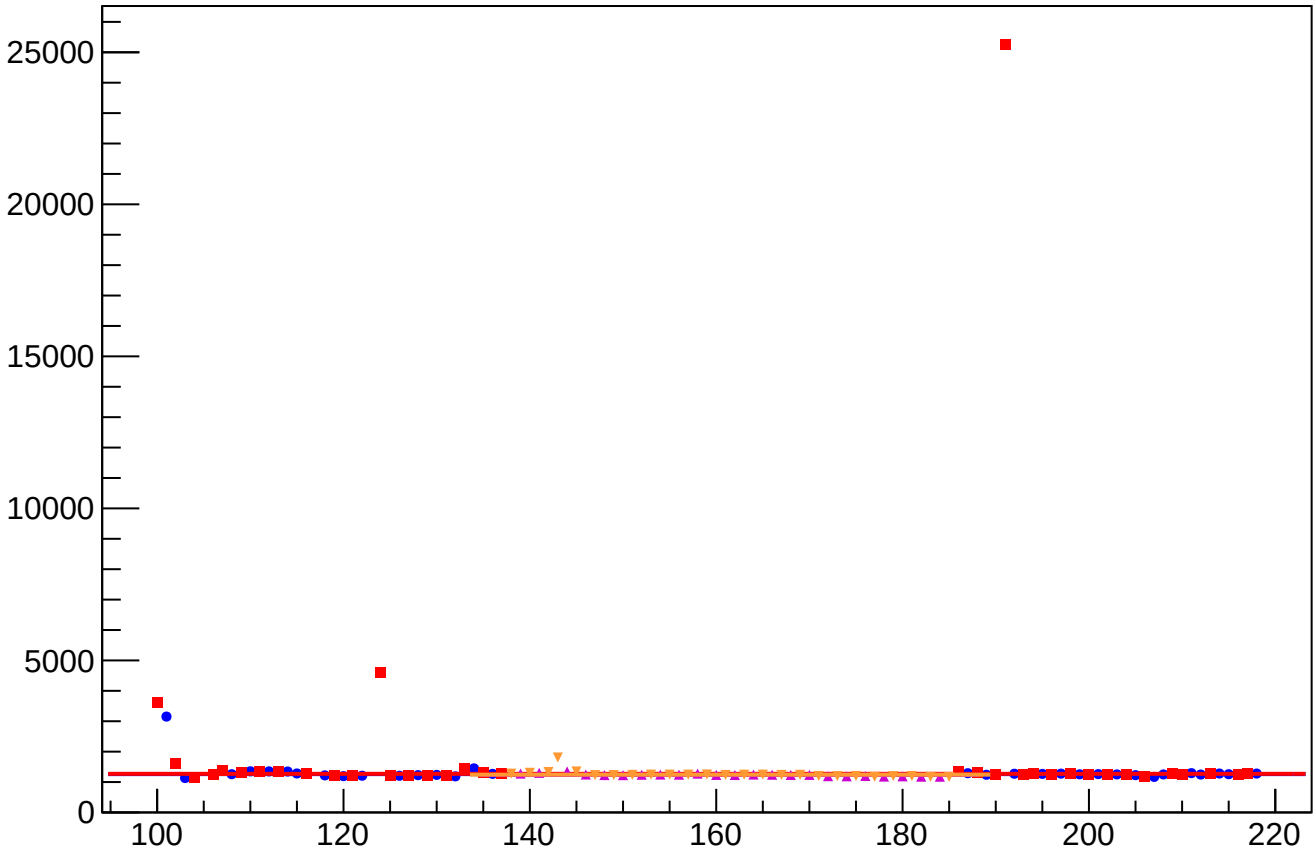
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -52.319+/-200.129 χ^2/NDF: 66.6/67

In: 201.239+/-201.742 χ^2/NDF:46.3/54

Out: -406.066+/-200.333 χ^2/NDF:54.5/60

All: -104.543+/-142.152 χ^2/NDF: 105.4/115



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: 1270.301+/-0.201 χ^2/NDF: 487261.4/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

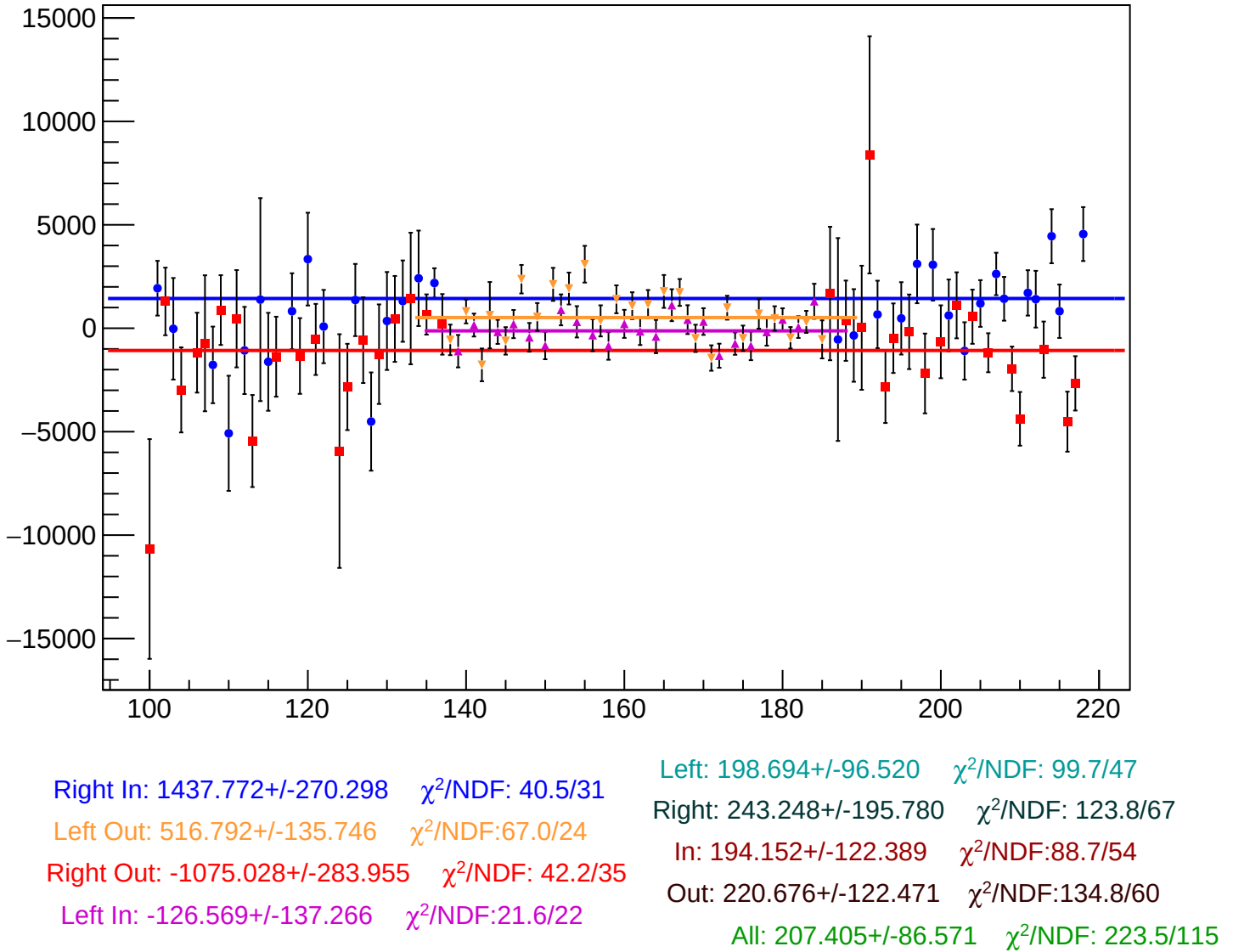
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1265.527+/-0.142 χ^2/NDF: 1024454.8/67

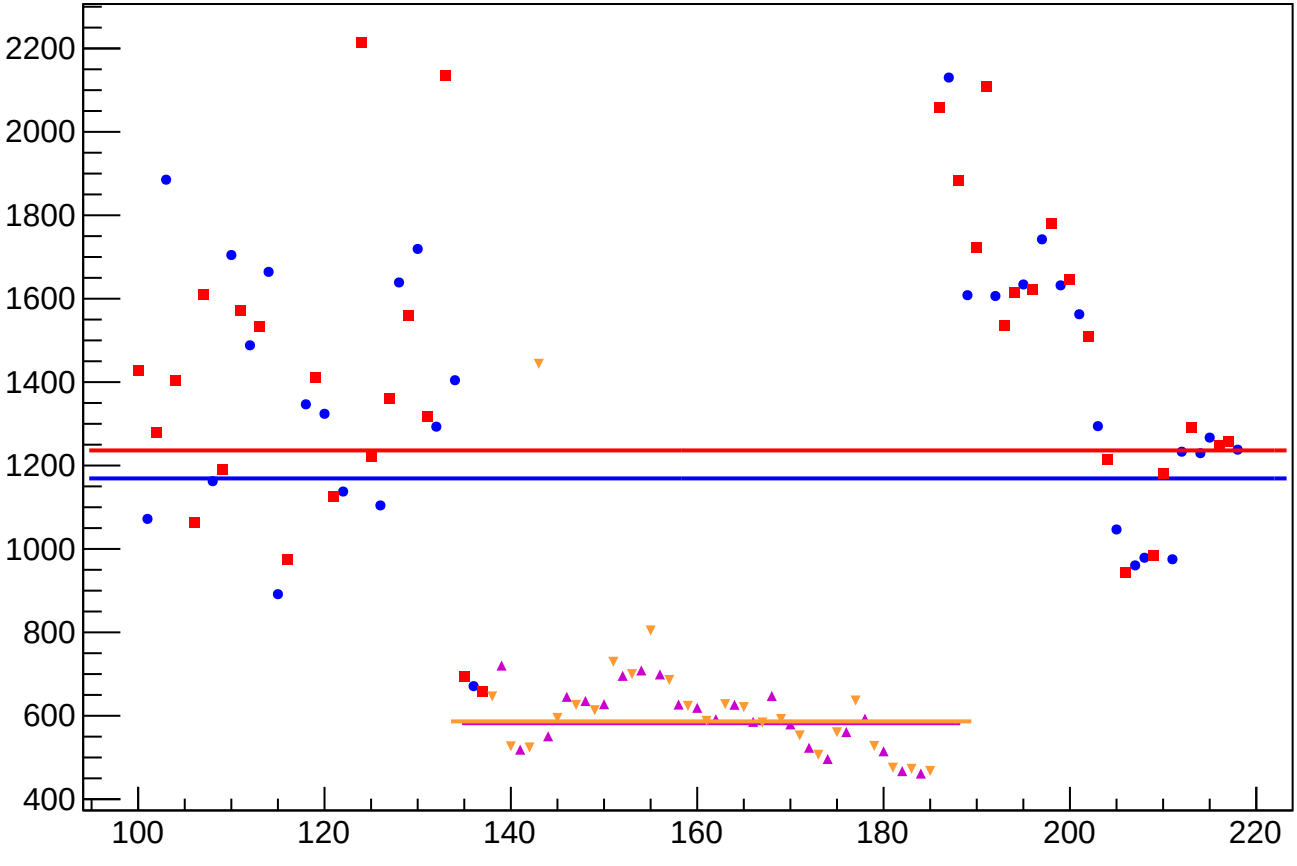
In: 1247.543+/-0.143 χ^2/NDF:584322.8/54

Out: 1256.538+/-0.142 χ^2/NDF:699966.0/60

All: 1252.072+/-0.101 χ^2/NDF: 1286290.9/11


asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1437.772+/-270.298 χ²/NDF: 40.5/31
Left Out: 516.792+/-135.746 χ²/NDF:67.0/24
Right Out: -1075.028+/-283.955 χ²/NDF: 42.2/35
Left In: -126.569+/-137.266 χ²/NDF:21.6/22
Left: 198.694+/-96.520 χ²/NDF: 99.7/47
Right: 243.248+/-195.780 χ²/NDF: 123.8/67
In: 194.152+/-122.389 χ²/NDF:88.7/54
Out: 220.676+/-122.471 χ²/NDF:134.8/60
All: 207.405+/-86.571 χ²/NDF: 223.5/115

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



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: 1236.212+/-0.201 χ^2/NDF: 2738450.0/35

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

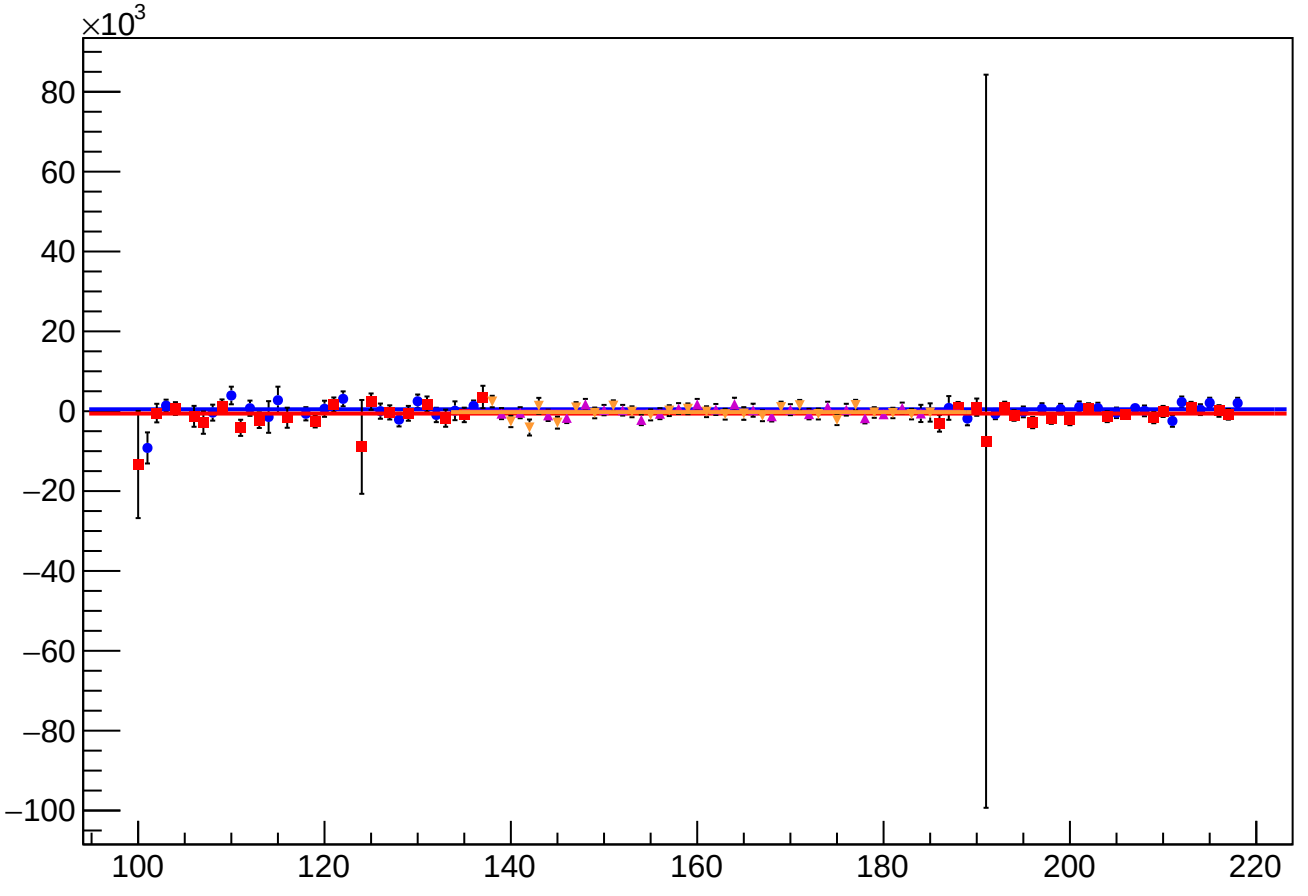
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1200.990+/-0.138 χ^2/NDF: 5510450.0/67

In: 702.513+/-0.087 χ^2/NDF:10768158.0/54

Out: 707.409+/-0.087 χ^2/NDF:12462734.1/60

All: 704.959+/-0.061 χ^2/NDF: 23232490.7/11



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: -585.051+/-283.740 χ^2/NDF: 29.7/35

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

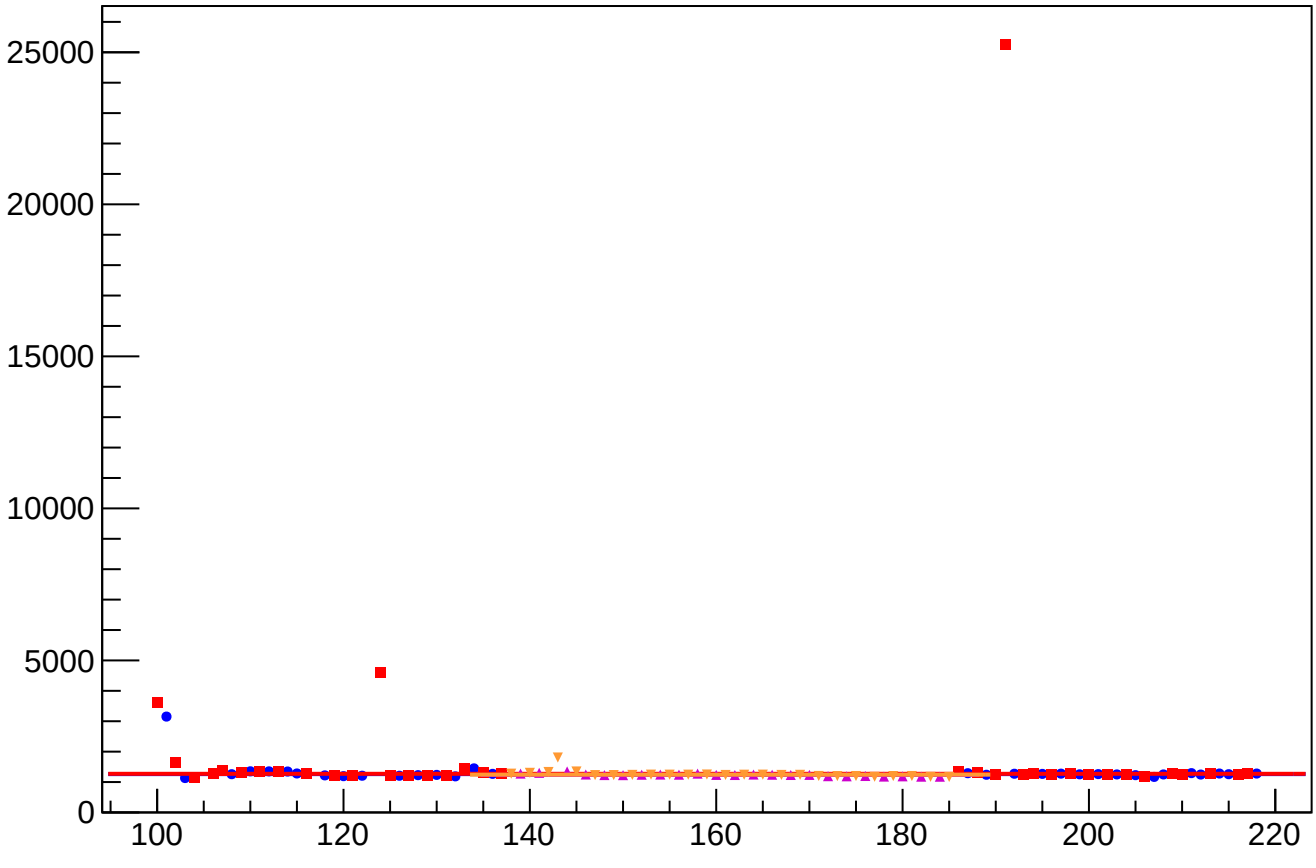
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -48.404+/-200.188 χ^2/NDF: 66.4/67

In: 201.300+/-201.742 χ^2/NDF:46.3/54

Out: -402.463+/-200.392 χ^2/NDF:54.5/60

All: -102.609+/-142.173 χ^2/NDF: 105.3/115



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: 1271.082+/-0.201 χ^2/NDF: 494420.3/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

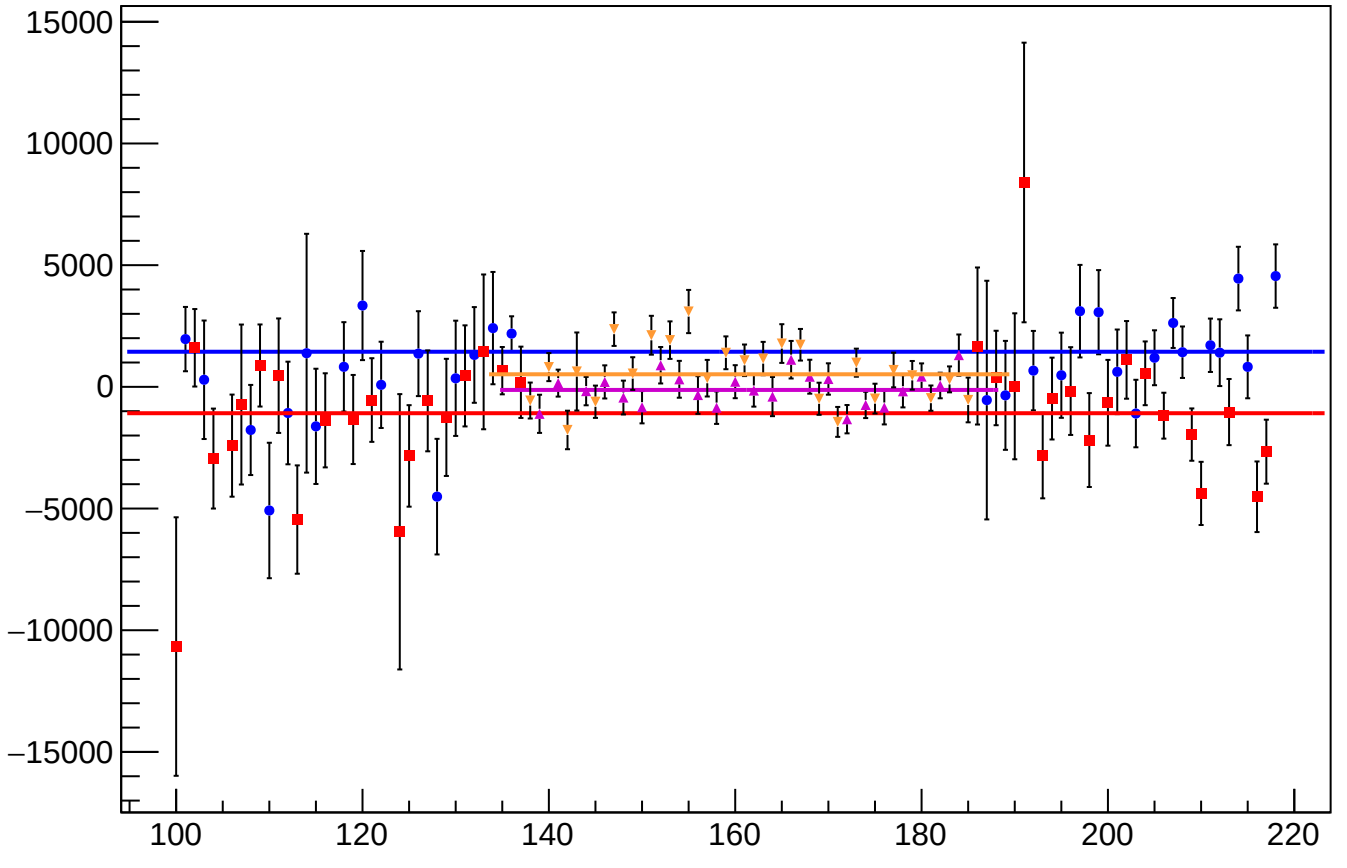
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.913+/-0.142 χ^2/NDF: 1031807.6/67

In: 1247.543+/-0.143 χ^2/NDF:584324.1/54

Out: 1256.919+/-0.142 χ^2/NDF:707661.5/60

All: 1252.263+/-0.101 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: -1083.133+/-284.185 χ^2/NDF: 43.3/35

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

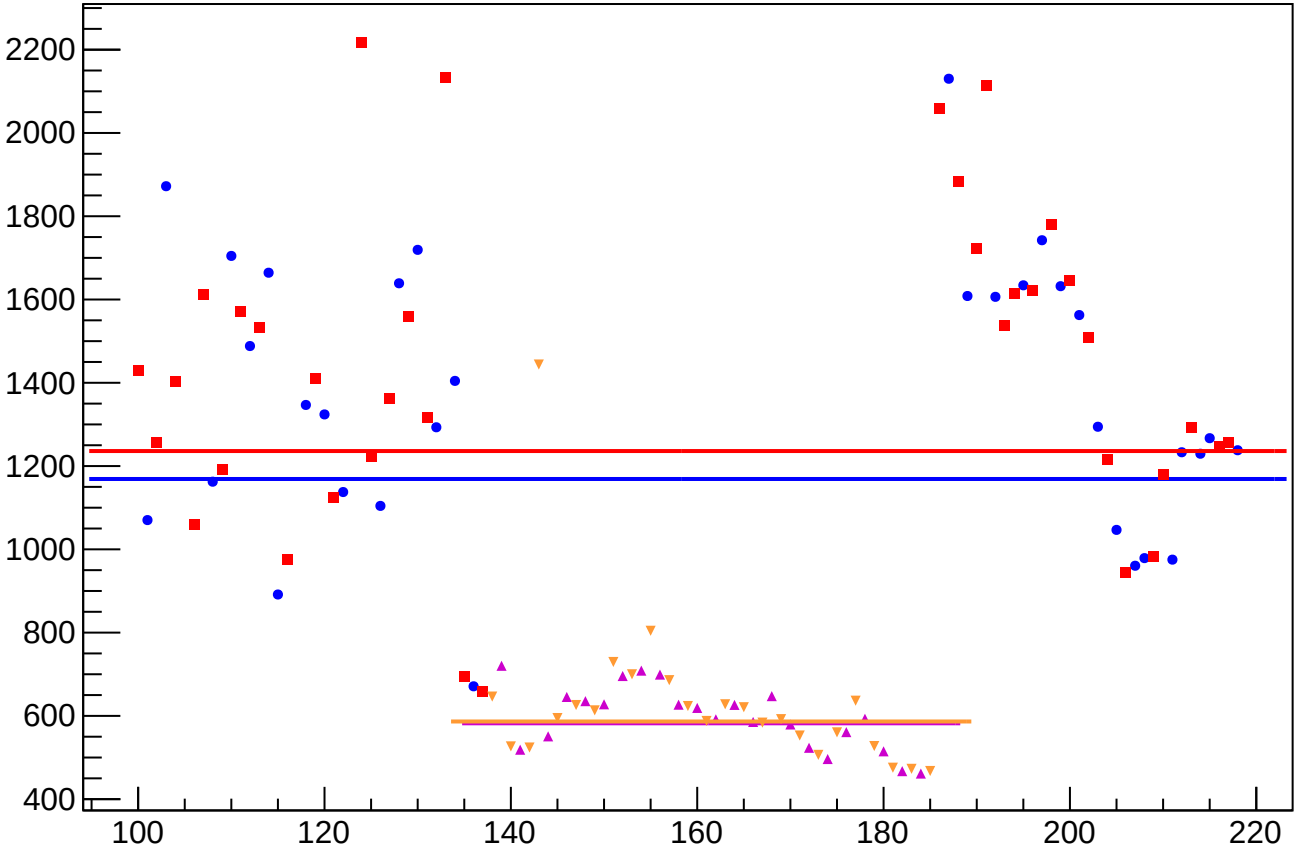
Right: 243.168+/-195.838 χ^2/NDF: 125.2/67

In: 195.245+/-122.384 χ^2/NDF:88.8/54

Out: 219.573+/-122.490 χ^2/NDF:136.2/60

All: 207.399+/-86.576 χ^2/NDF: 224.9/115

asym_atl_dd_atr_dd_dd_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: 1236.076+/-0.201 χ^2/NDF: 2735816.5/35

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

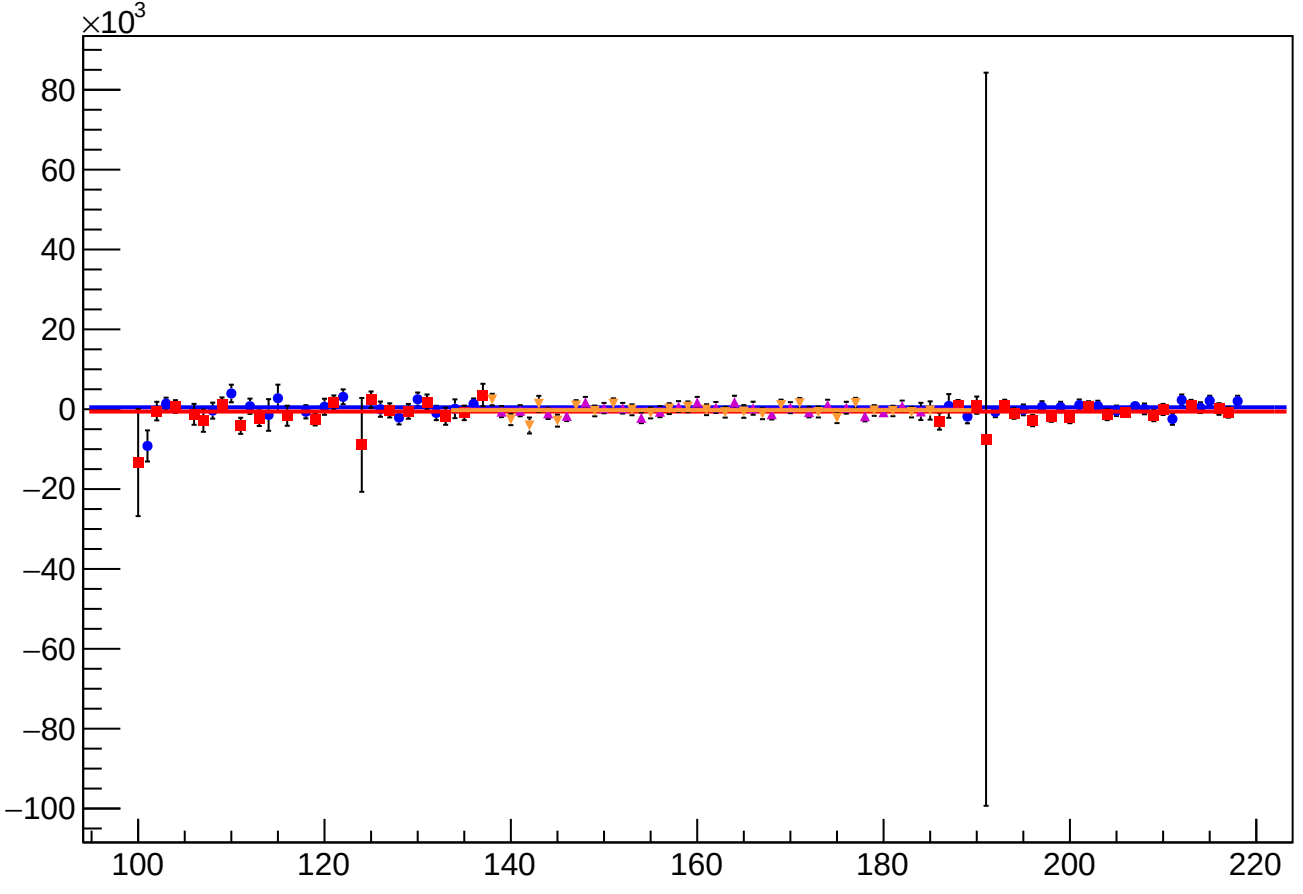
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1200.836+/-0.138 χ^2/NDF: 5504674.0/67

In: 702.522+/-0.087 χ^2/NDF:10764419.9/54

Out: 707.229+/-0.087 χ^2/NDF:12445040.2/60

All: 704.873+/-0.061 χ^2/NDF: 23210938.1/11



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: -585.051+/-283.740 χ^2/NDF: 29.7/35

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

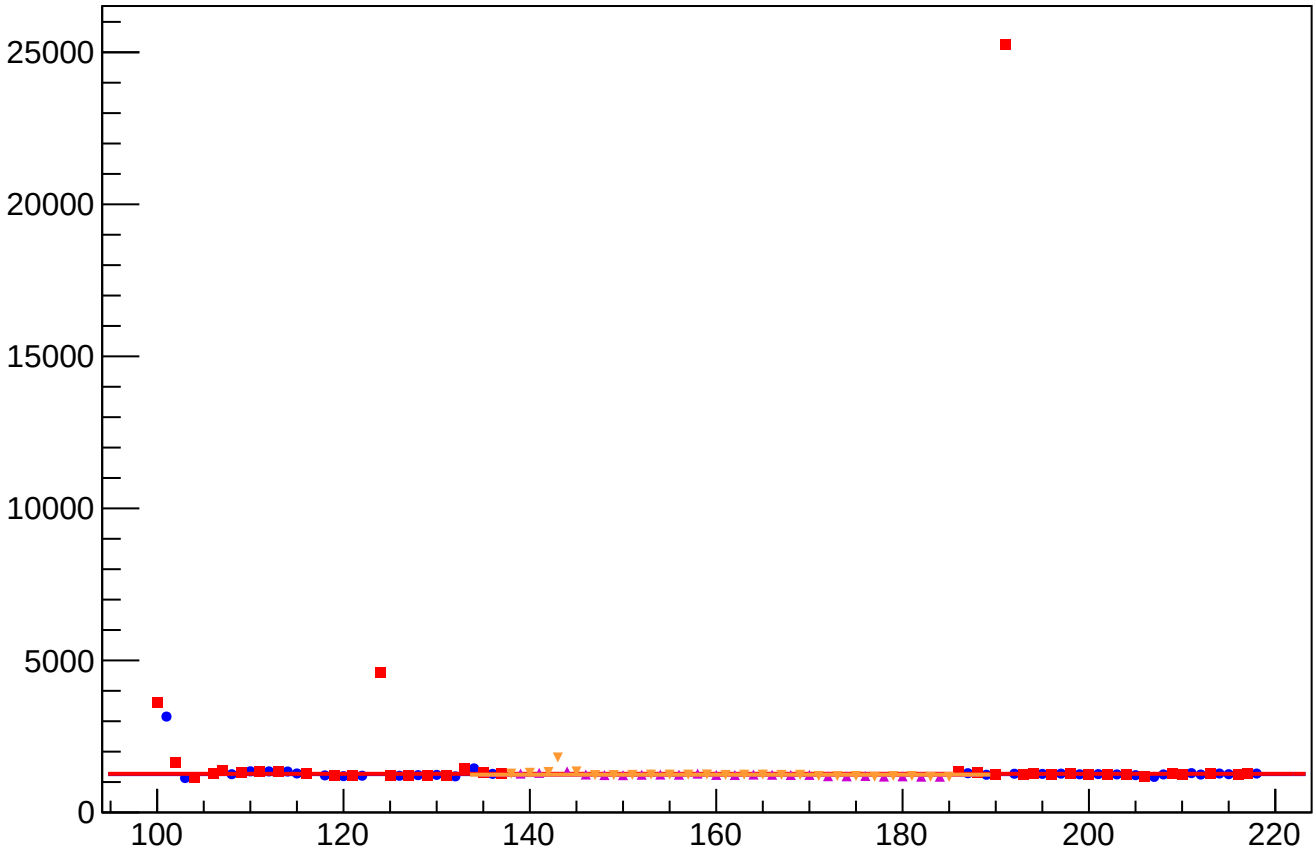
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -48.404+/-200.188 χ^2/NDF: 66.4/67

In: 201.300+/-201.742 χ^2/NDF:46.3/54

Out: -402.463+/-200.392 χ^2/NDF:54.5/60

All: -102.609+/-142.173 χ^2/NDF: 105.3/115



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: 1271.082+/-0.201 χ^2/NDF: 494420.3/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

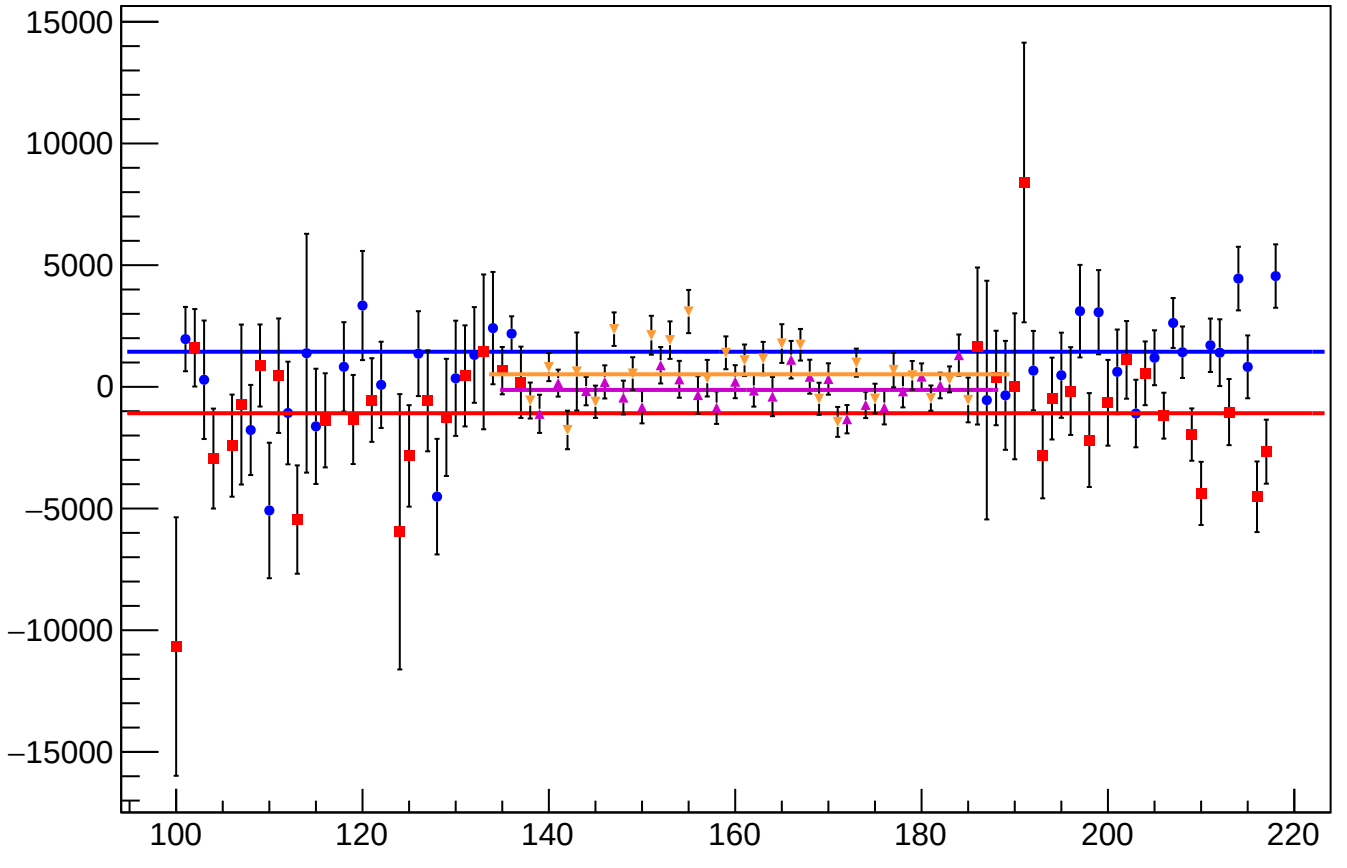
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.913+/-0.142 χ^2/NDF: 1031807.6/67

In: 1247.543+/-0.143 χ^2/NDF:584324.1/54

Out: 1256.919+/-0.142 χ^2/NDF:707661.5/60

All: 1252.263+/-0.101 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: -1083.133+/-284.185 χ^2/NDF: 43.3/35

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

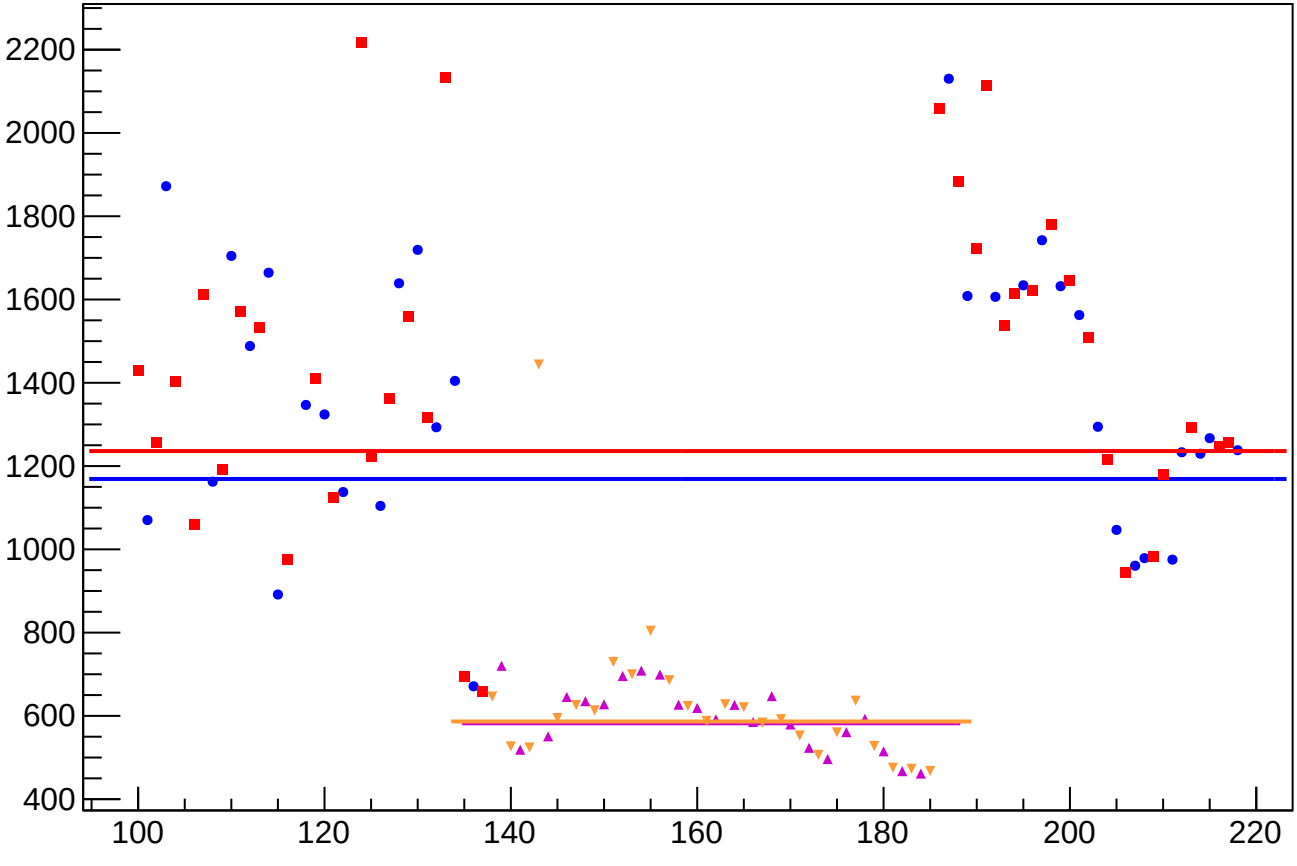
Right: 243.168+/-195.838 χ^2/NDF: 125.2/67

In: 195.245+/-122.384 χ^2/NDF:88.8/54

Out: 219.573+/-122.490 χ^2/NDF:136.2/60

All: 207.399+/-86.576 χ^2/NDF: 224.9/115

asym_atl_dd_atr_dd_dd_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: 1236.076+/-0.201 χ^2/NDF: 2735816.5/35

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

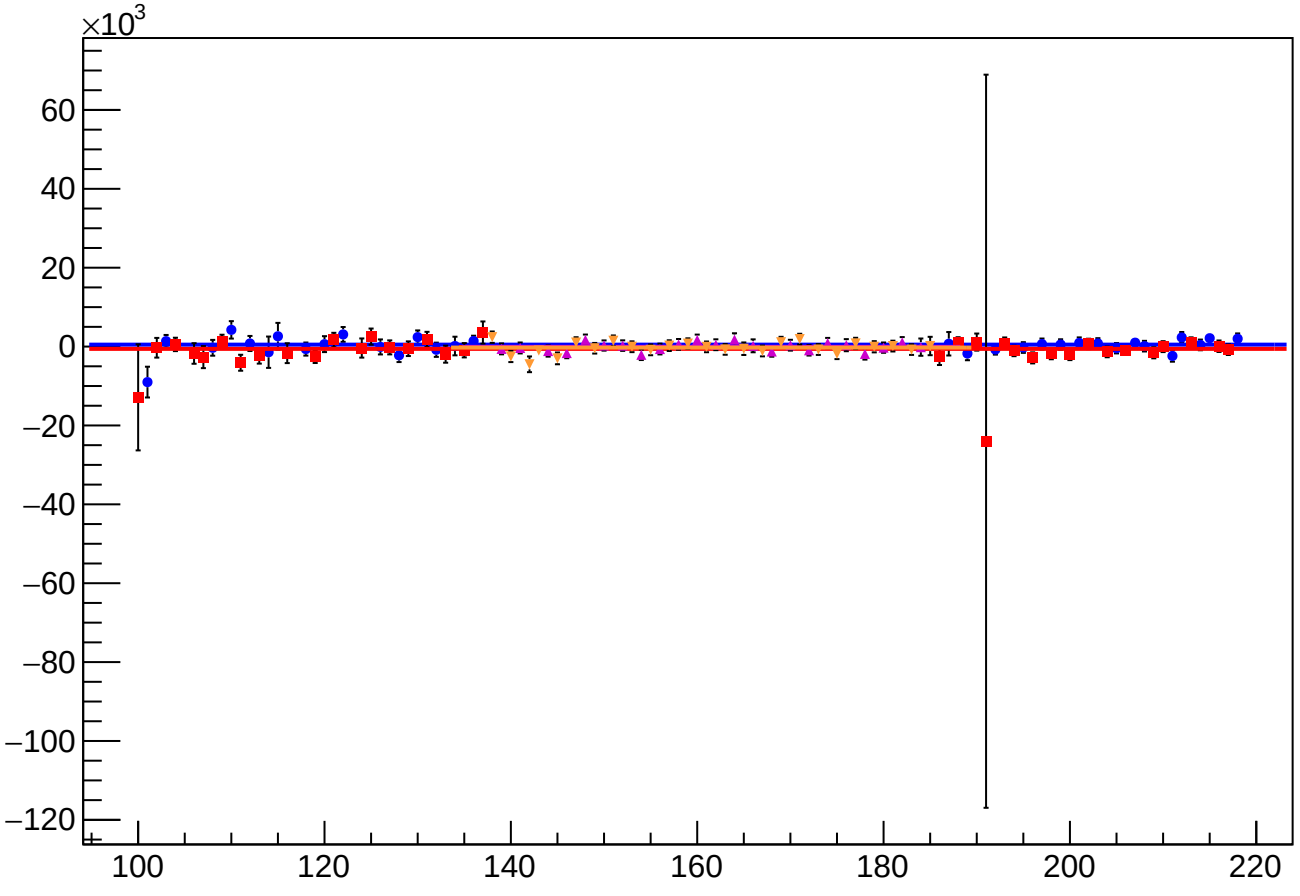
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1200.836+/-0.138 χ^2/NDF: 5504674.0/67

In: 702.522+/-0.087 χ^2/NDF:10764419.9/54

Out: 707.229+/-0.087 χ^2/NDF:12445040.2/60

All: 704.873+/-0.061 χ^2/NDF: 23210938.1/11



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: -582.664+/-283.147 χ^2/NDF: 29.2/35

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

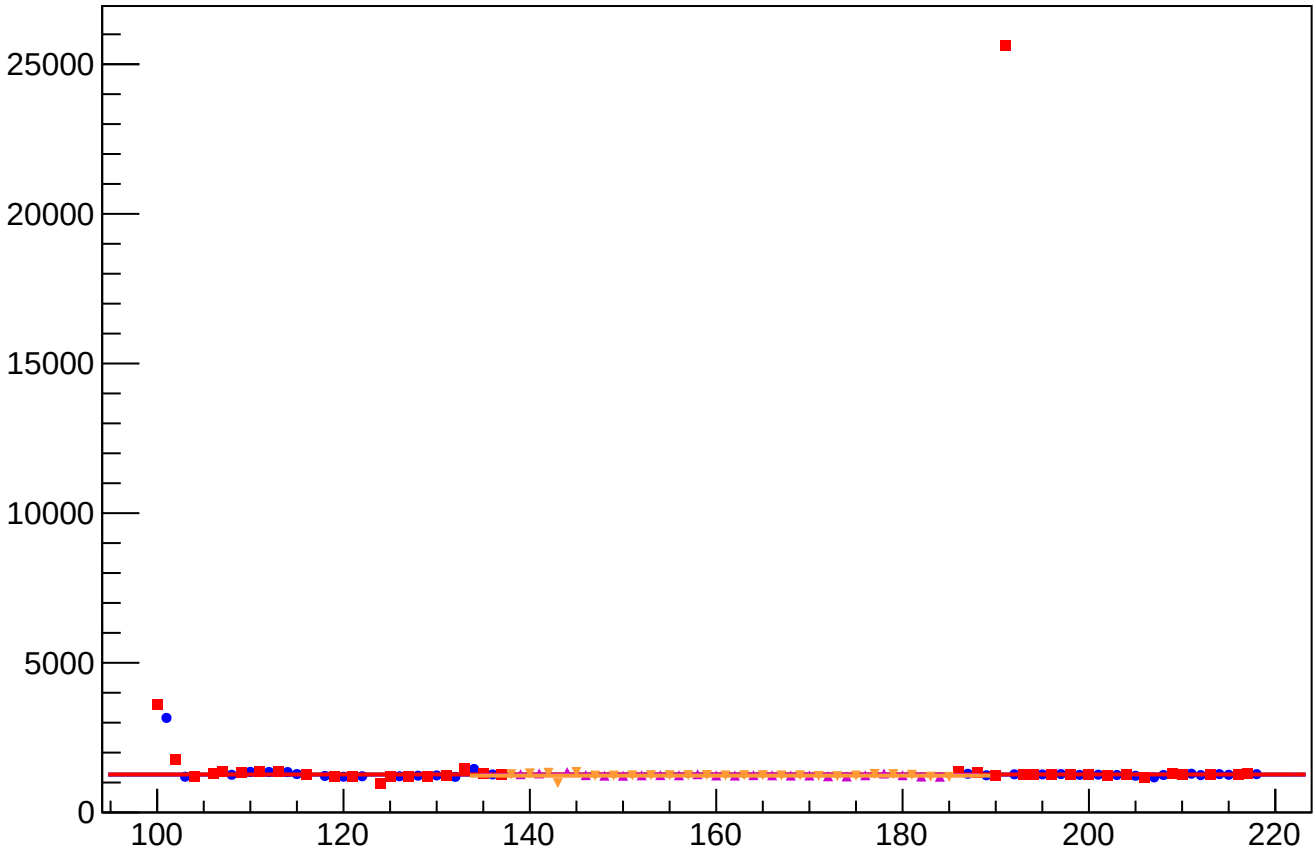
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -46.487+/-200.265 χ^2/NDF: 65.9/67

In: 215.702+/-203.142 χ^2/NDF:45.4/54

Out: -414.856+/-199.065 χ^2/NDF:54.0/60

All: -105.967+/-142.180 χ^2/NDF: 104.3/115



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: 1269.837+/-0.200 χ^2/NDF: 385678.4/35

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

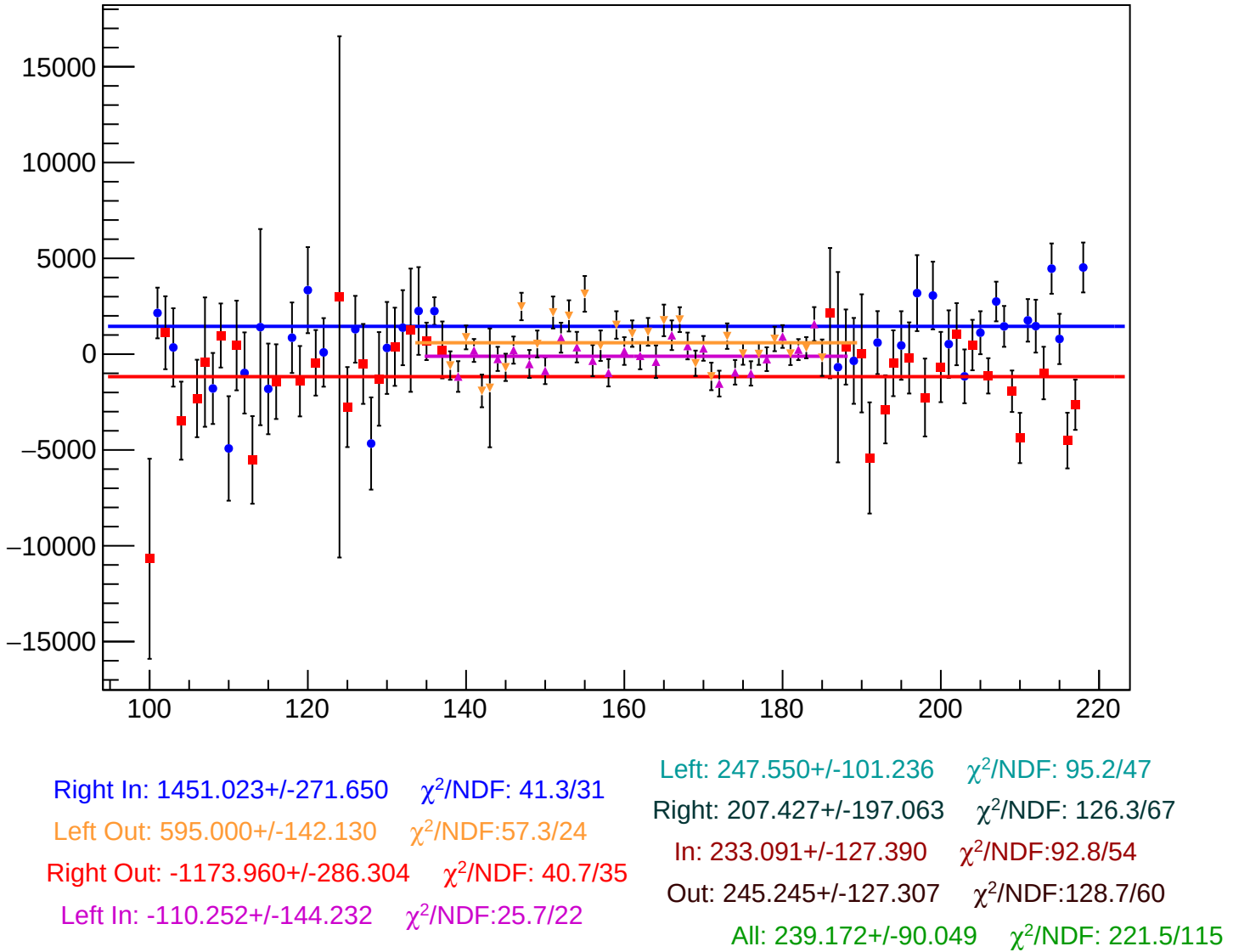
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1267.185+/-0.142 χ^2/NDF: 911776.6/67

In: 1256.395+/-0.144 χ^2/NDF:556481.8/54

Out: 1249.684+/-0.141 χ^2/NDF:547321.8/60

All: 1252.971+/-0.101 χ^2/NDF: 1104917.2/11


asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
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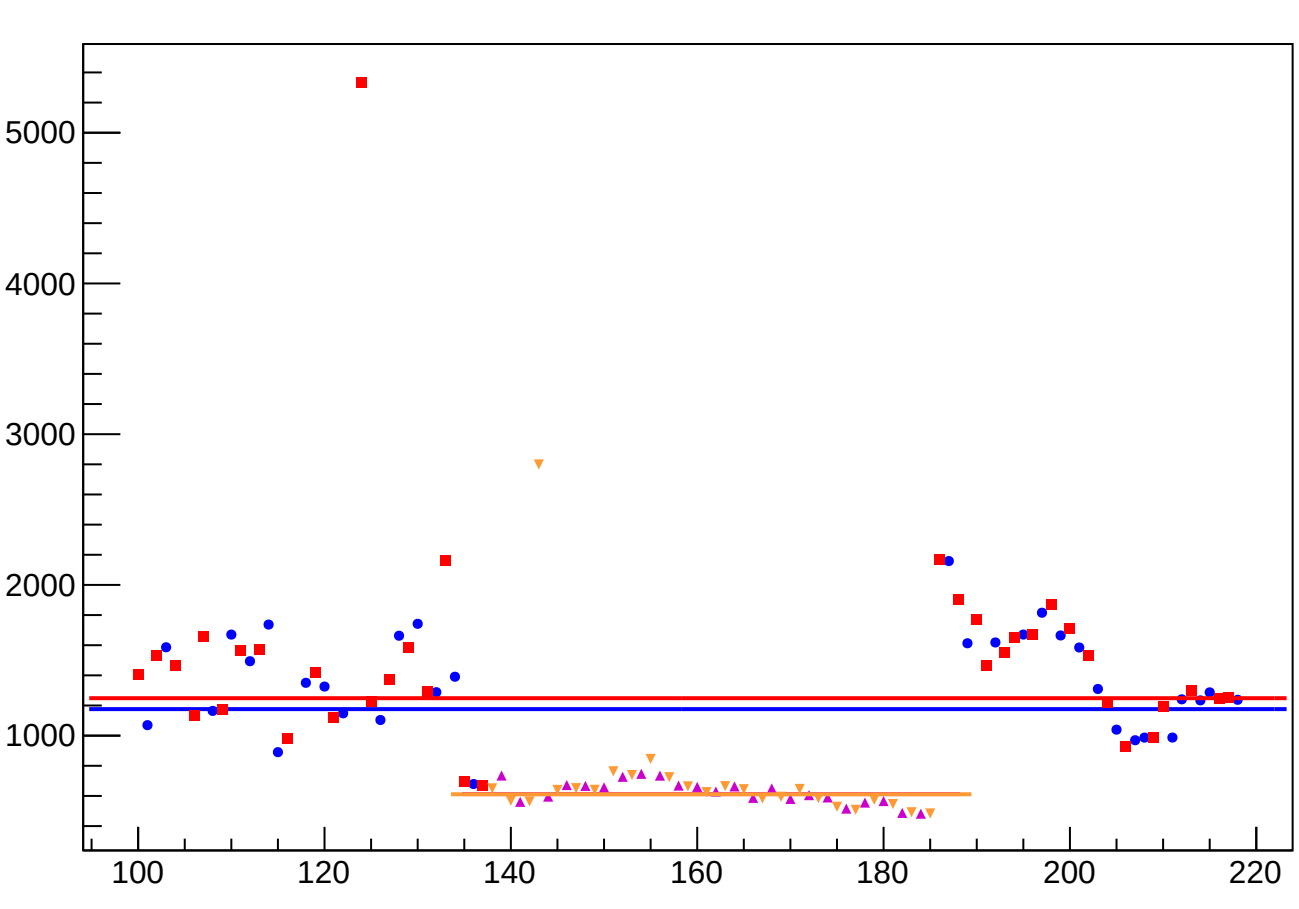
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1451.023+/-271.650 χ²/NDF: 41.3/31
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -1173.960+/-286.304 χ²/NDF: 40.7/35
Left In: -110.252+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 207.427+/-197.063 χ²/NDF: 126.3/67
In: 233.091+/-127.390 χ²/NDF:92.8/54
Out: 245.245+/-127.307 χ²/NDF:128.7/60
All: 239.172+/-90.049 χ²/NDF: 221.5/115



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: 1248.483+/-0.202 χ^2/NDF: 3030929.2/35

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

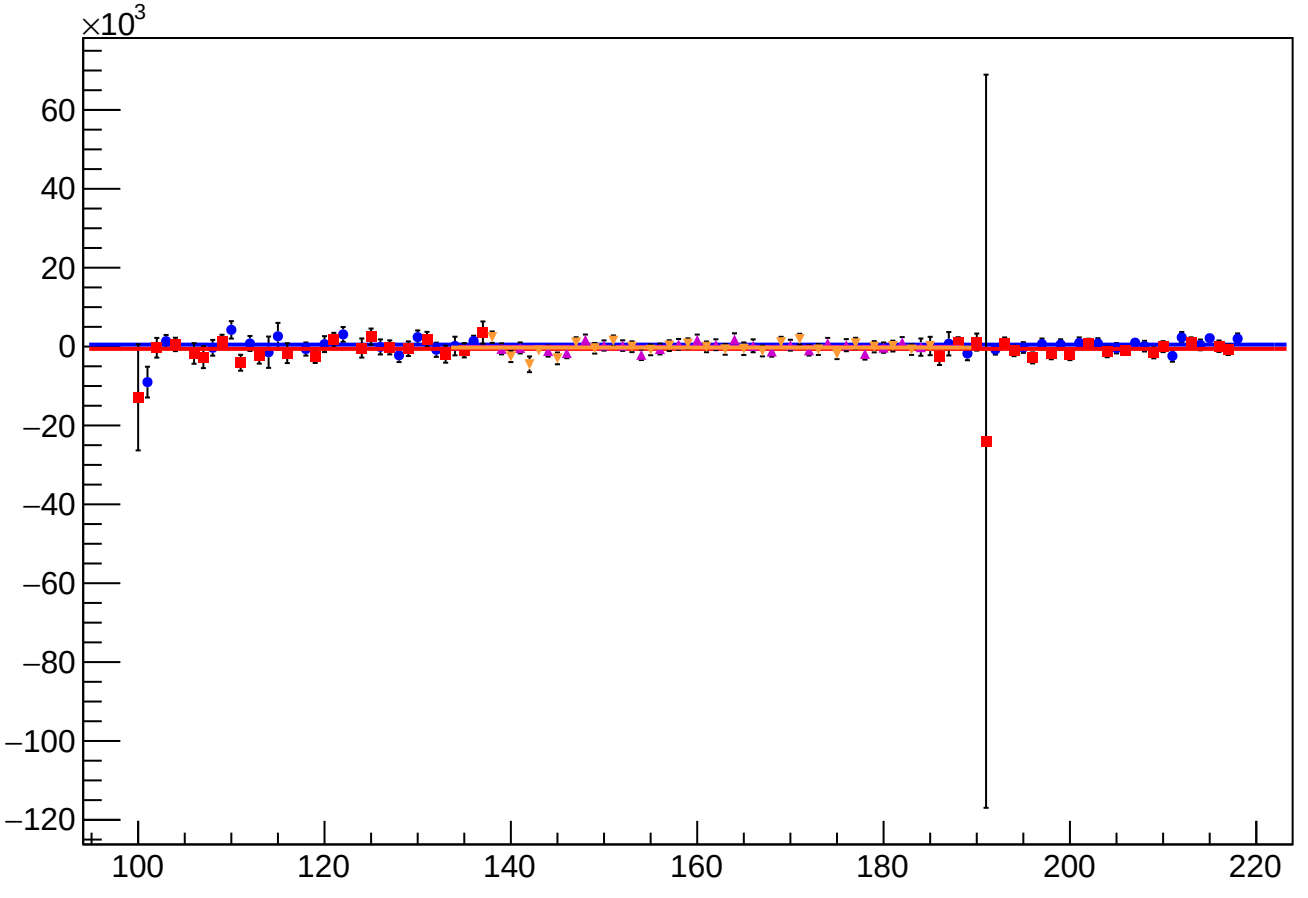
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1210.348+/-0.139 χ^2/NDF: 5749097.2/67

In: 736.345+/-0.090 χ^2/NDF:9875536.5/54

Out: 737.111+/-0.090 χ^2/NDF:12603065.7/60

All: 736.729+/-0.064 χ^2/NDF: 22478638.4/1



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: -582.662+/-283.147 χ^2/NDF: 29.2/35

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

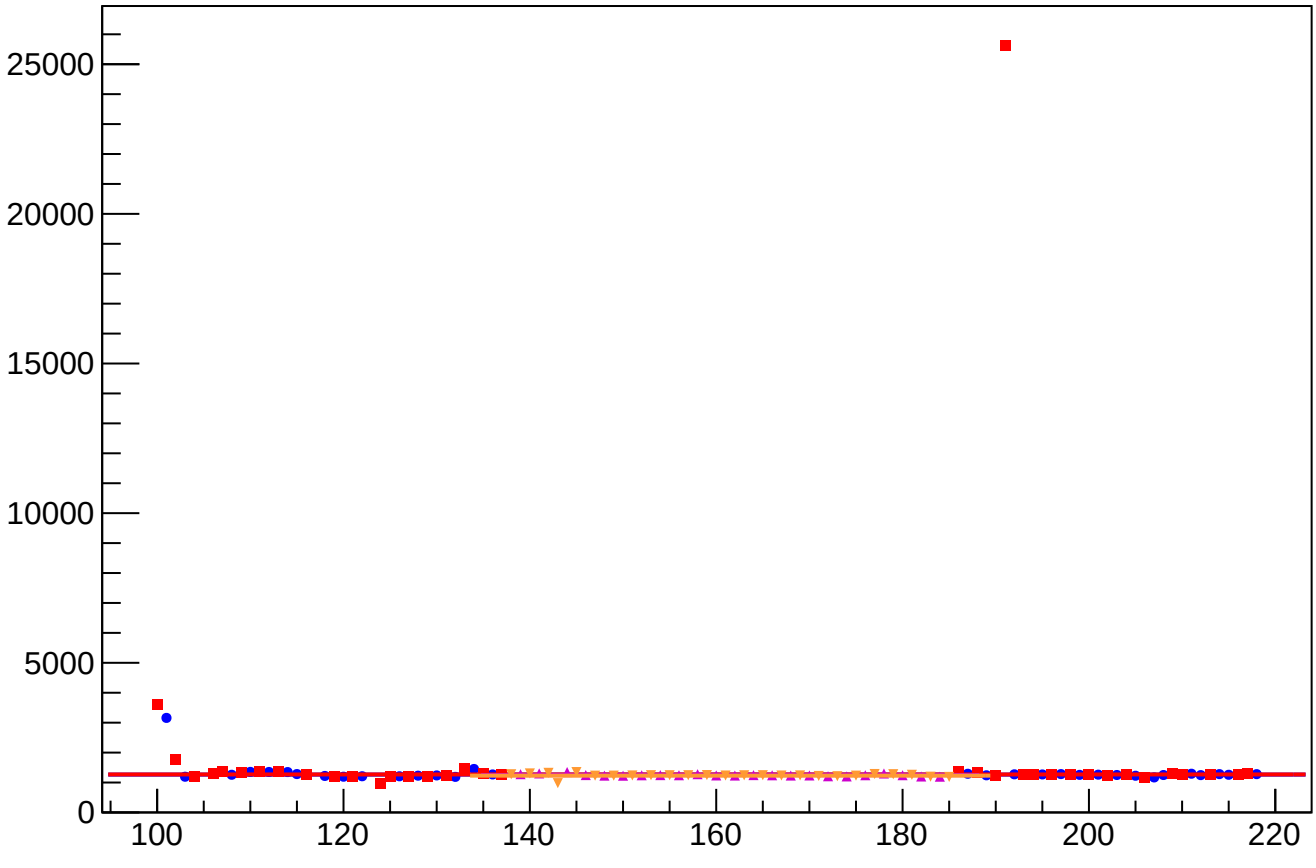
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -46.488+/-200.265 χ^2/NDF: 65.9/67

In: 215.700+/-203.142 χ^2/NDF:45.4/54

Out: -414.856+/-199.065 χ^2/NDF:54.0/60

All: -105.968+/-142.180 χ^2/NDF: 104.3/115



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: 1269.837+/-0.200 χ^2/NDF: 385678.2/35

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

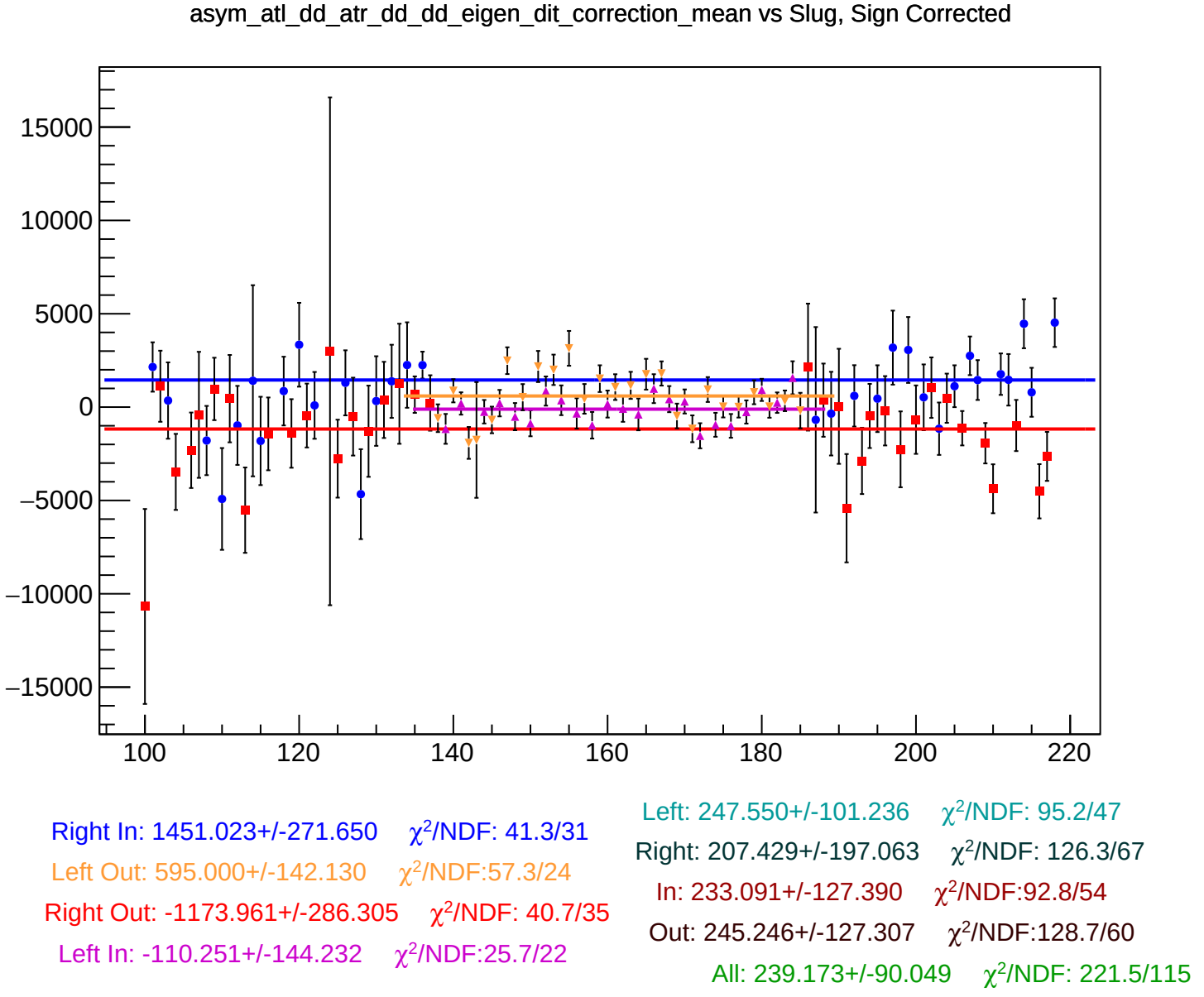
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1267.184+/-0.142 χ^2/NDF: 911776.5/67

In: 1256.395+/-0.144 χ^2/NDF:556481.9/54

Out: 1249.684+/-0.141 χ^2/NDF:547320.7/60

All: 1252.971+/-0.101 χ^2/NDF: 1104916.1/11


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
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−5000
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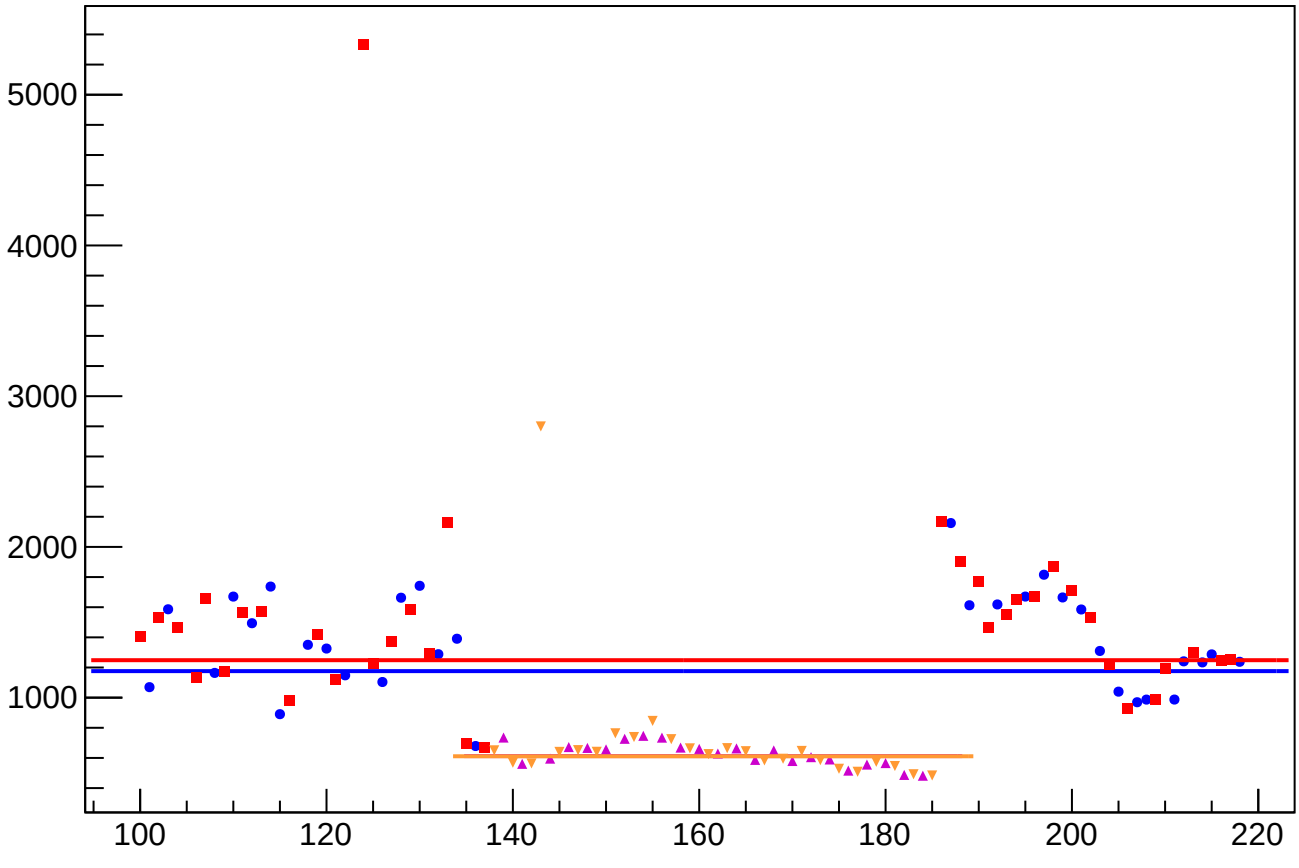
−15000
100
120
140
160
180
200
220
Right In: 1451.023+/-271.650 χ²/NDF: 41.3/31
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -1173.961+/-286.305 χ²/NDF: 40.7/35
Left In: -110.251+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 207.429+/-197.063 χ²/NDF: 126.3/67
In: 233.091+/-127.390 χ²/NDF:92.8/54
Out: 245.246+/-127.307 χ²/NDF:128.7/60
All: 239.173+/-90.049 χ²/NDF: 221.5/115



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: 1248.486+/-0.202 χ^2/NDF: 3030872.4/35

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

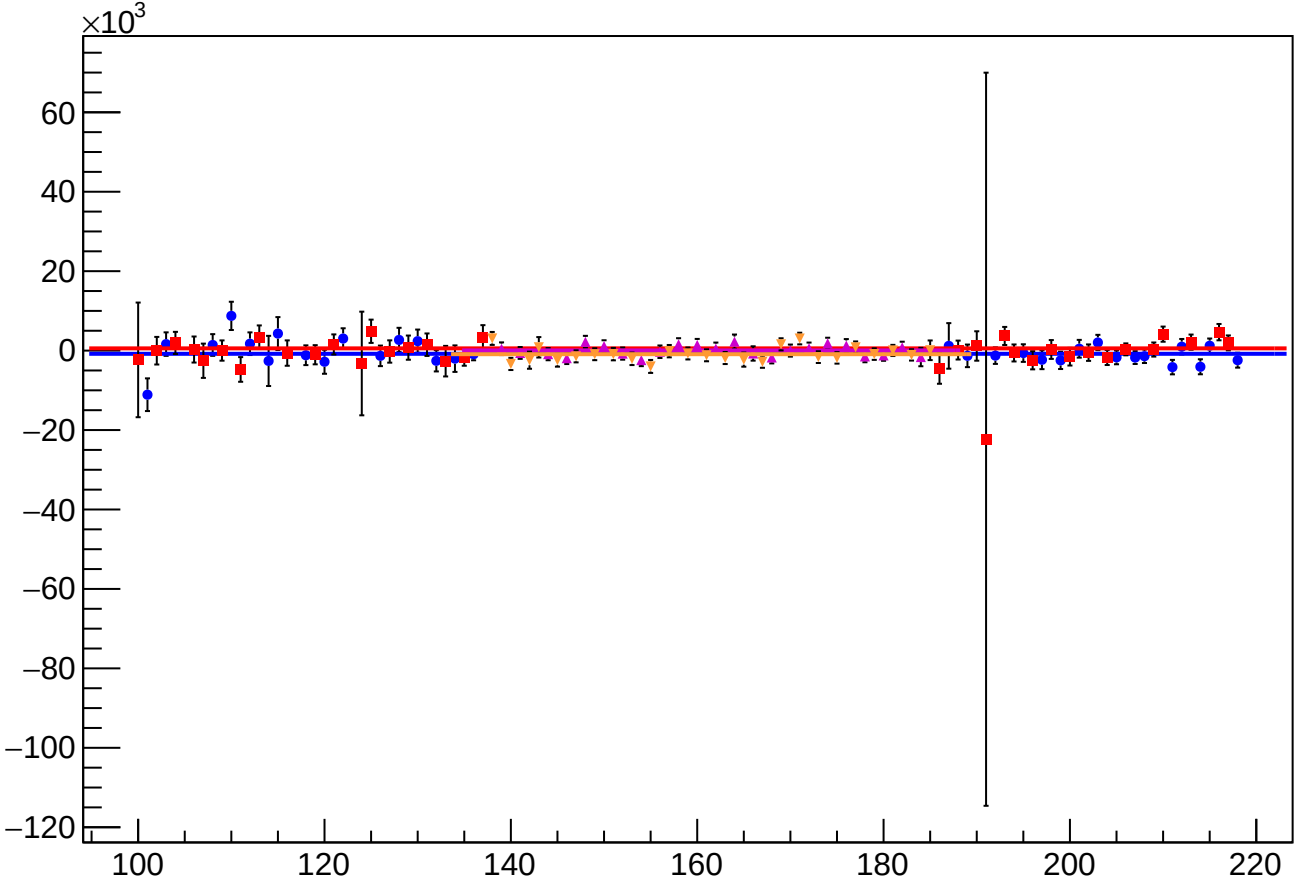
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1210.350+/-0.139 χ^2/NDF: 5748983.2/67

In: 736.345+/-0.090 χ^2/NDF:9875515.3/54

Out: 737.111+/-0.090 χ^2/NDF:12603064.4/60

All: 736.728+/-0.064 χ^2/NDF: 22478615.9/1



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: 563.449+/-419.443 χ^2/NDF: 27.6/35

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

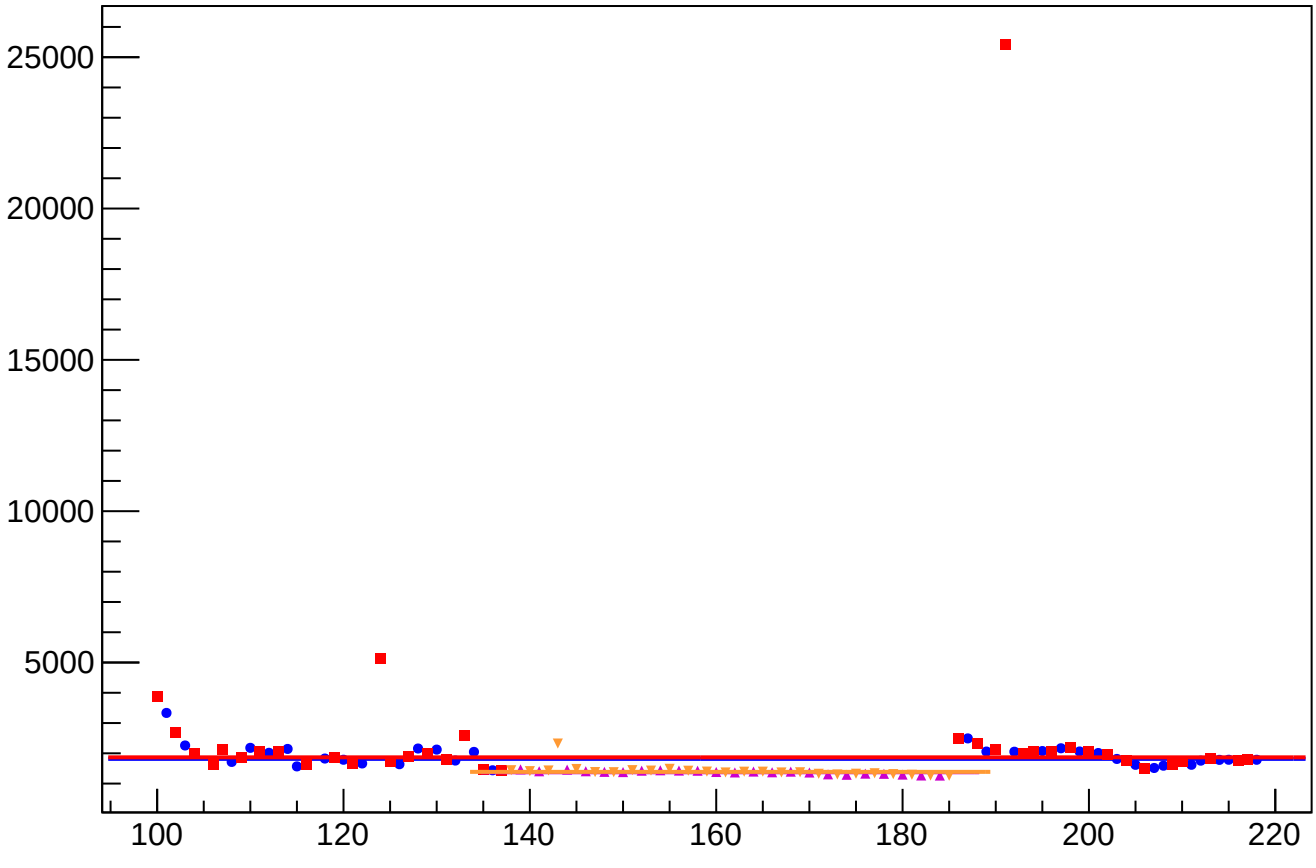
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -136.231+/-292.883 χ^2/NDF: 69.6/67

In: -275.652+/-252.515 χ^2/NDF:57.1/54

Out: -369.095+/-252.618 χ^2/NDF:65.2/60

All: -322.354+/-178.592 χ^2/NDF: 122.3/115



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: 1866.677+/-0.297 χ^2/NDF: 1059515.3/35

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

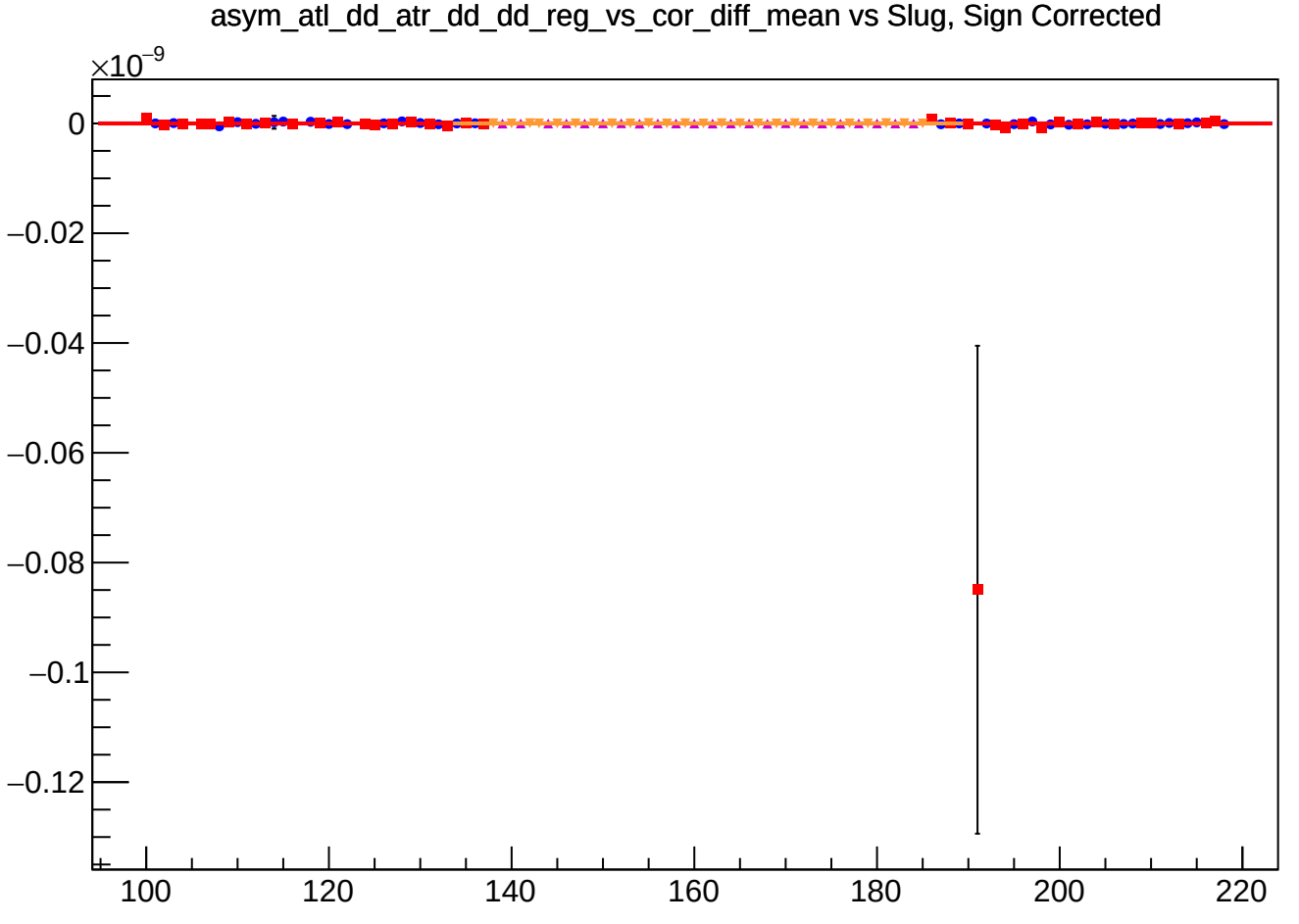
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1840.712+/-0.207 χ^2/NDF: 1968598.6/67

In: 1541.878+/-0.179 χ^2/NDF:2408779.4/54

Out: 1560.896+/-0.179 χ^2/NDF:3067281.6/60

All: 1551.383+/-0.126 χ^2/NDF: 5481731.0/11



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: 56.8/35

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

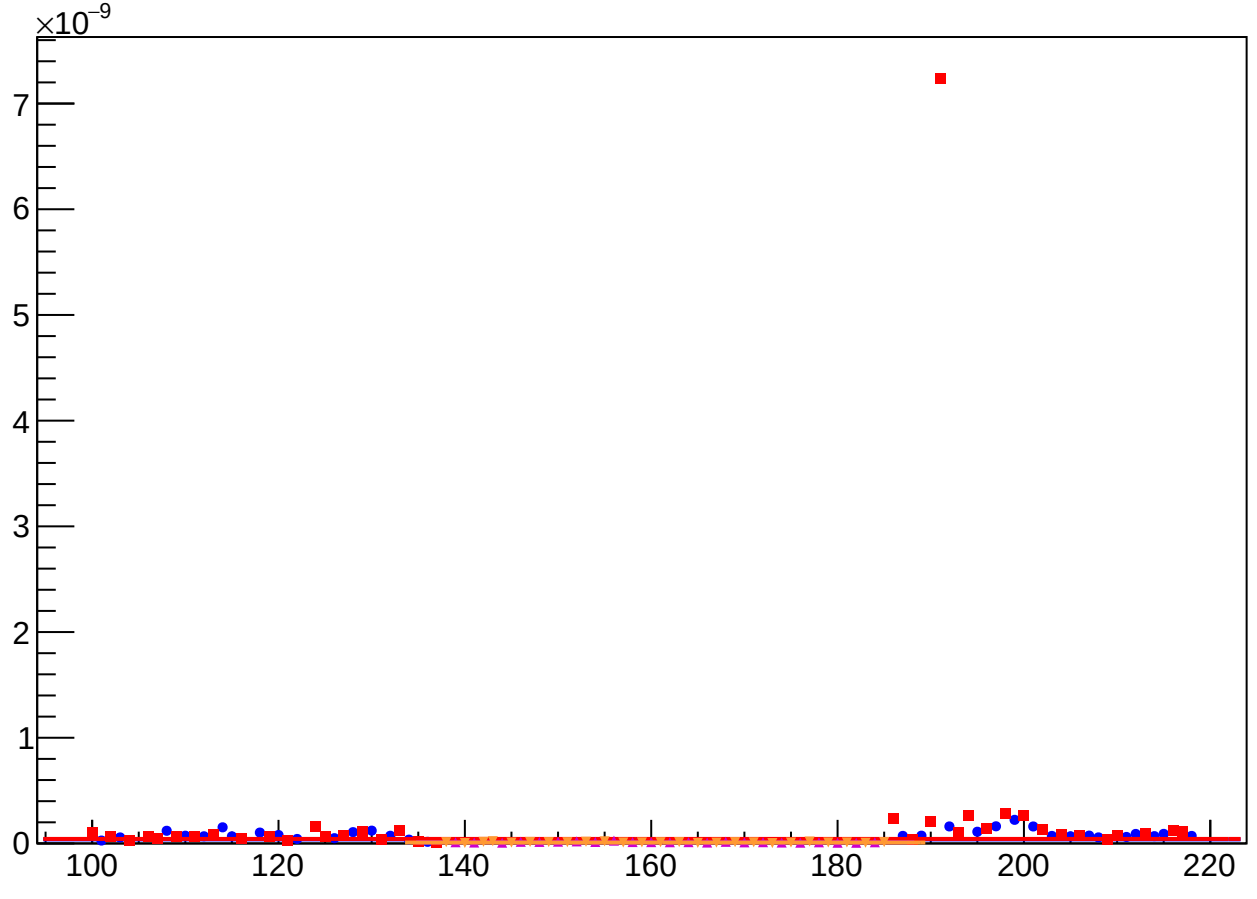
Right: 0.000+/-0.000 χ^2/NDF: 85.4/67

In: 0.000+/-0.000 χ^2/NDF:41.8/54

Out: 0.000+/-0.000 χ^2/NDF:81.9/60

All: 0.000+/-0.000 χ^2/NDF: 123.8/115

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: 7667075.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

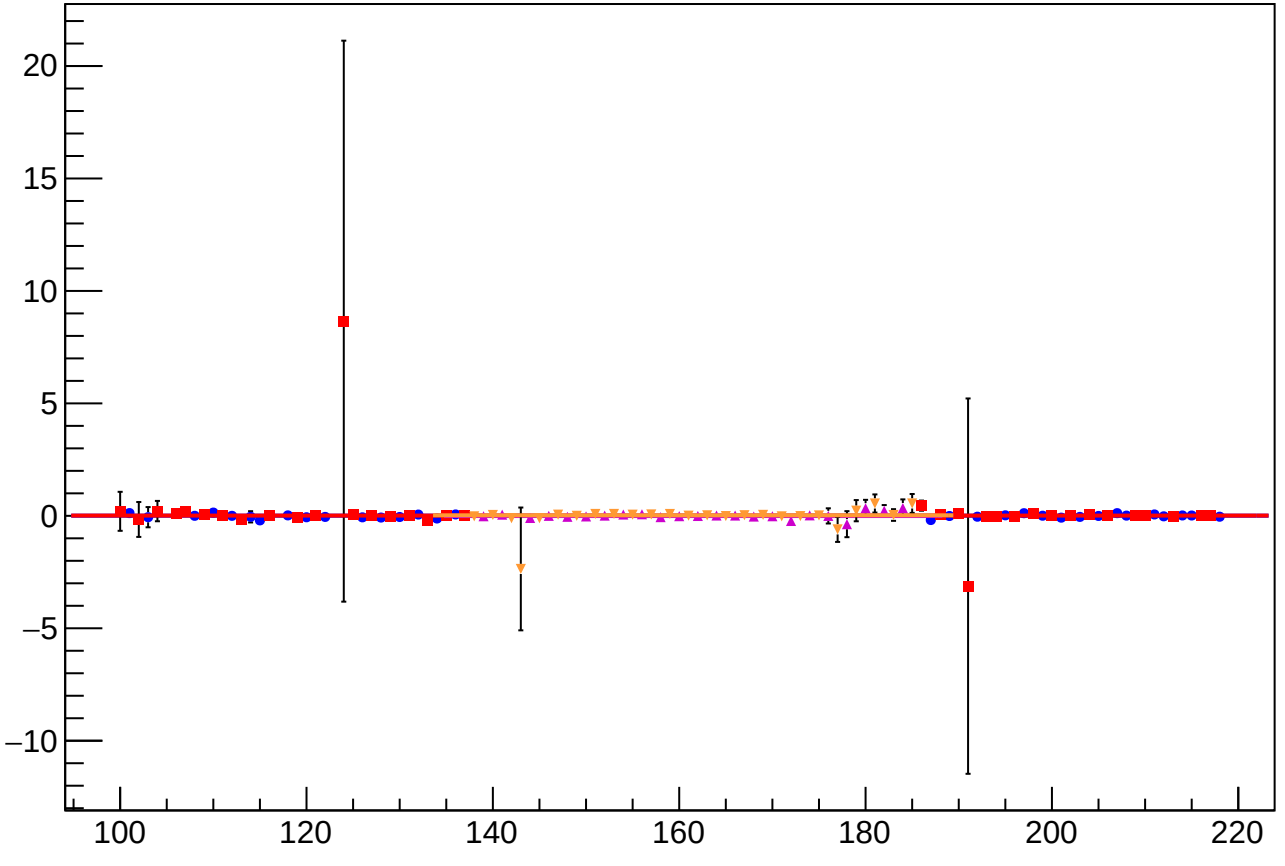
Right: 0.000+/-0.000 χ^2/NDF: 14886445.7/67

In: 0.000+/-0.000 χ^2/NDF:13651939.4/54

Out: 0.000+/-0.000 χ^2/NDF:16208627.6/60

All: 0.000+/-0.000 χ^2/NDF: 30217731.8/115

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+/-0.009 χ^2/NDF: 24.5/35

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

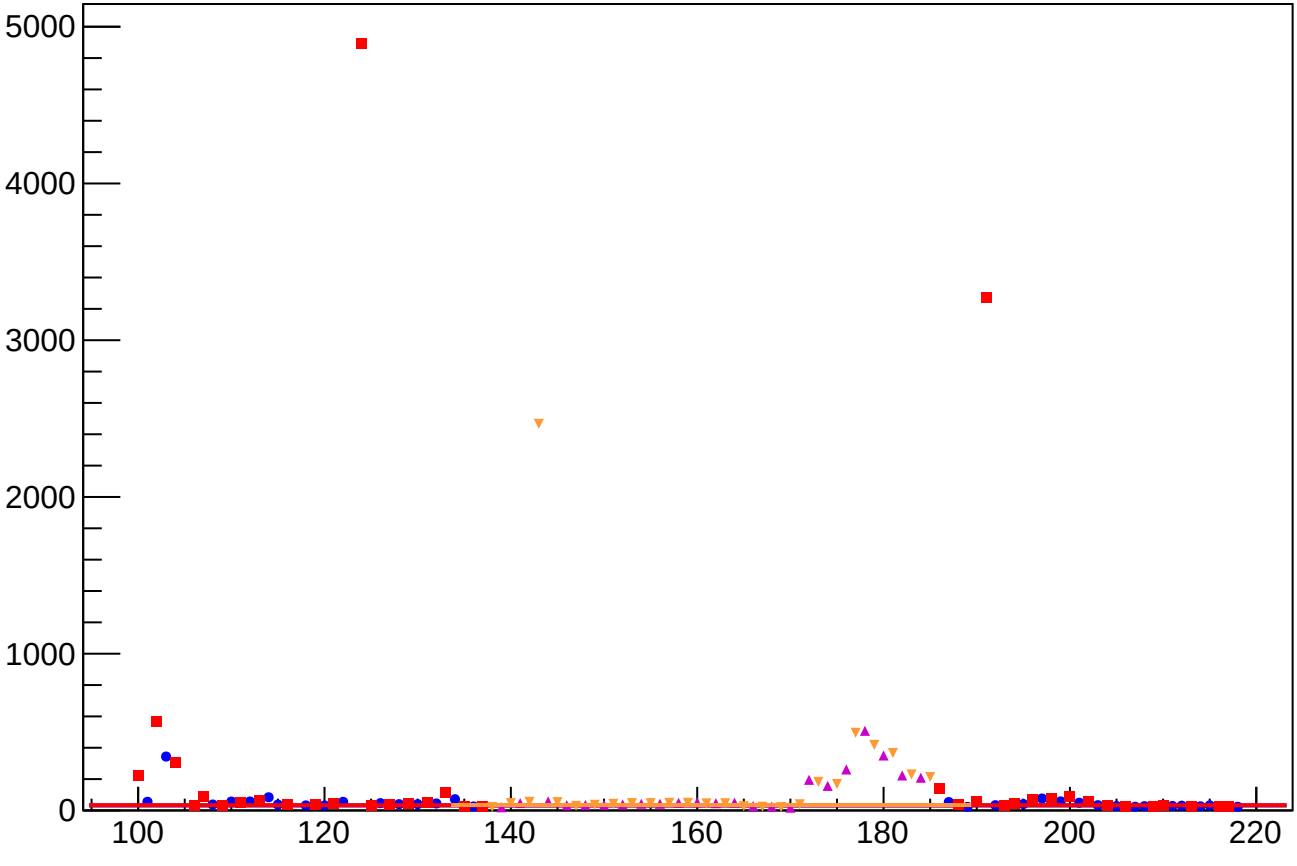
Right: 0.008+/-0.006 χ^2/NDF: 72.9/67

In: -0.000+/-0.006 χ^2/NDF:64.6/54

Out: 0.016+/-0.007 χ^2/NDF:48.2/60

All: 0.008+/-0.005 χ^2/NDF: 115.9/115

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: 33.279+/-0.006 χ^2/NDF: 6794458.3/35

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

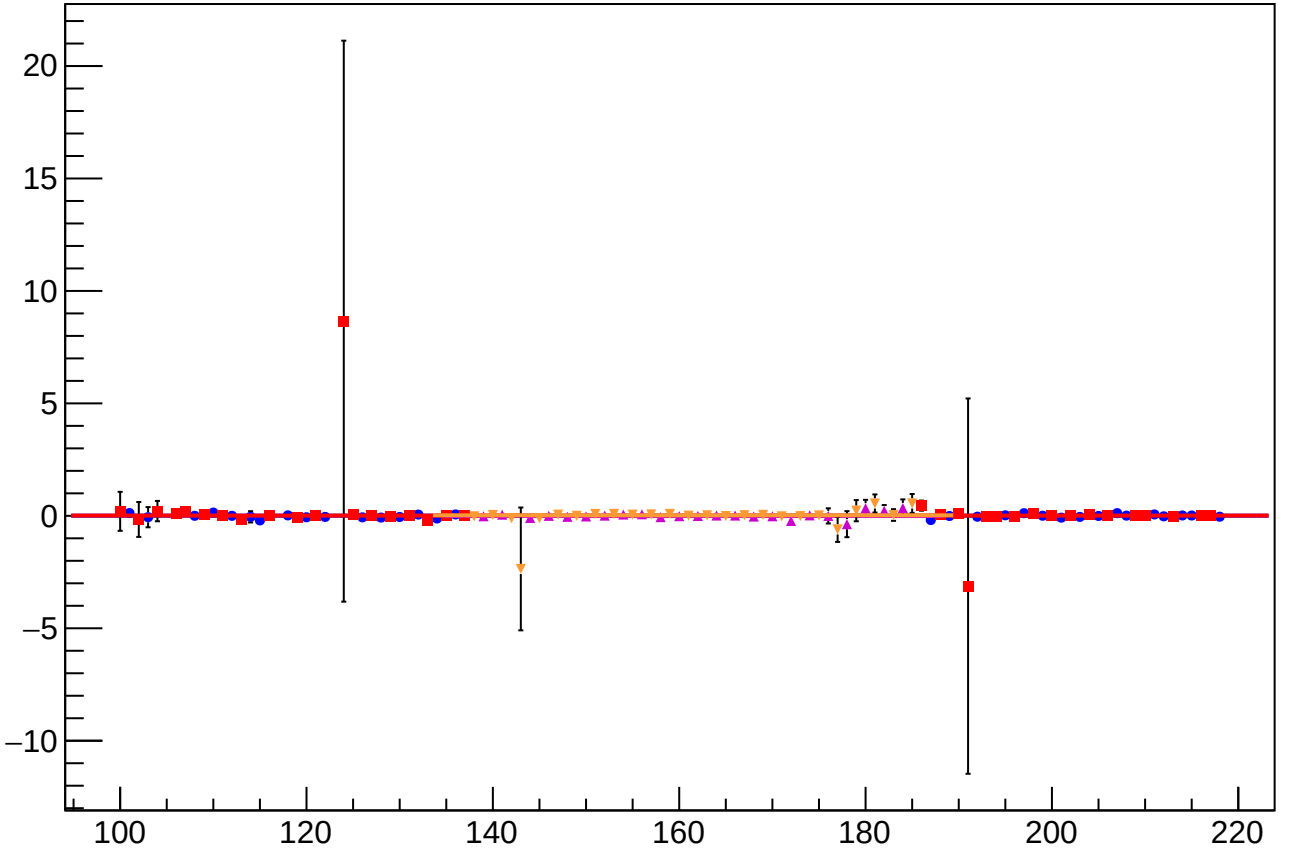
Right: 32.619+/-0.004 χ^2/NDF: 10770276.3/67

In: 32.670+/-0.004 χ^2/NDF:14051011.9/54

Out: 33.850+/-0.005 χ^2/NDF:18216880.4/60

All: 33.231+/-0.003 χ^2/NDF: 32300933.9/115

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+/-0.009 χ^2/NDF: 24.5/35

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

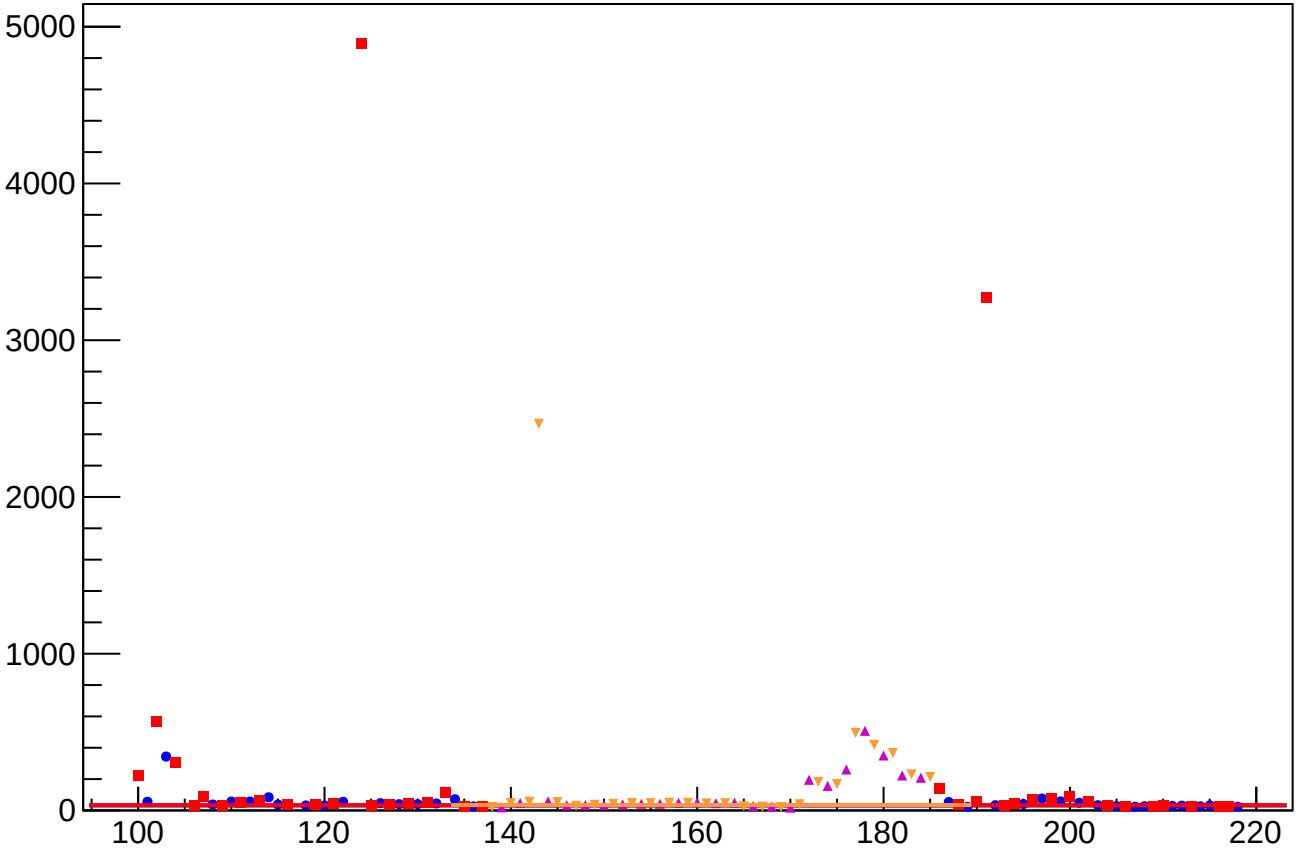
Right: 0.008+/-0.006 χ^2/NDF: 72.9/67

In: -0.000+/-0.006 χ^2/NDF:64.6/54

Out: 0.016+/-0.007 χ^2/NDF:48.2/60

All: 0.008+/-0.005 χ^2/NDF: 115.9/115

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: 33.279+/-0.006 χ^2/NDF: 6794458.3/35

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

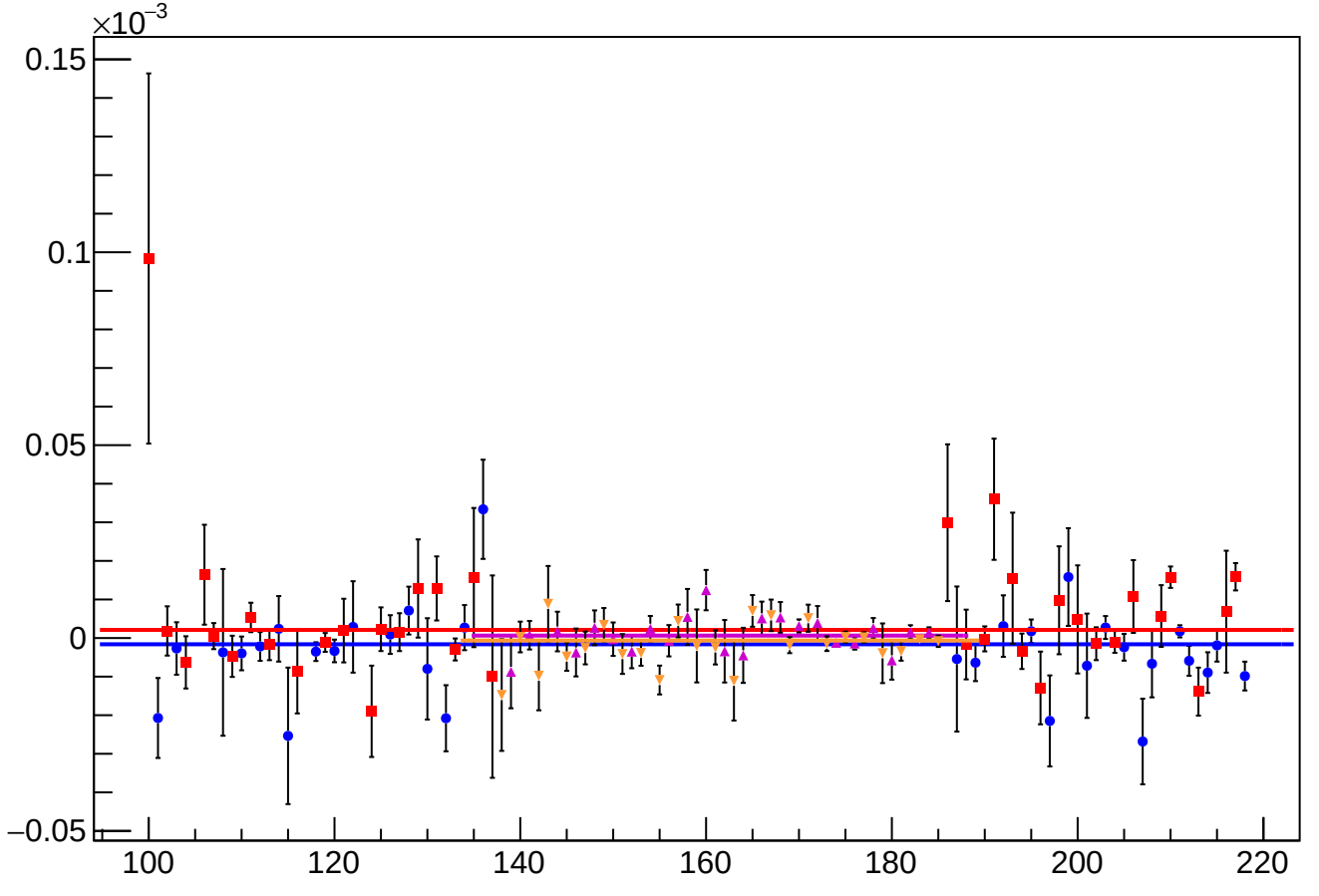
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 32.619+/-0.004 χ^2/NDF: 10770276.3/67

In: 32.670+/-0.004 χ^2/NDF:14051011.9/54

Out: 33.850+/-0.005 χ^2/NDF:18216880.4/60

All: 33.231+/-0.003 χ^2/NDF: 32300933.9/115



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: 83.9/35

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

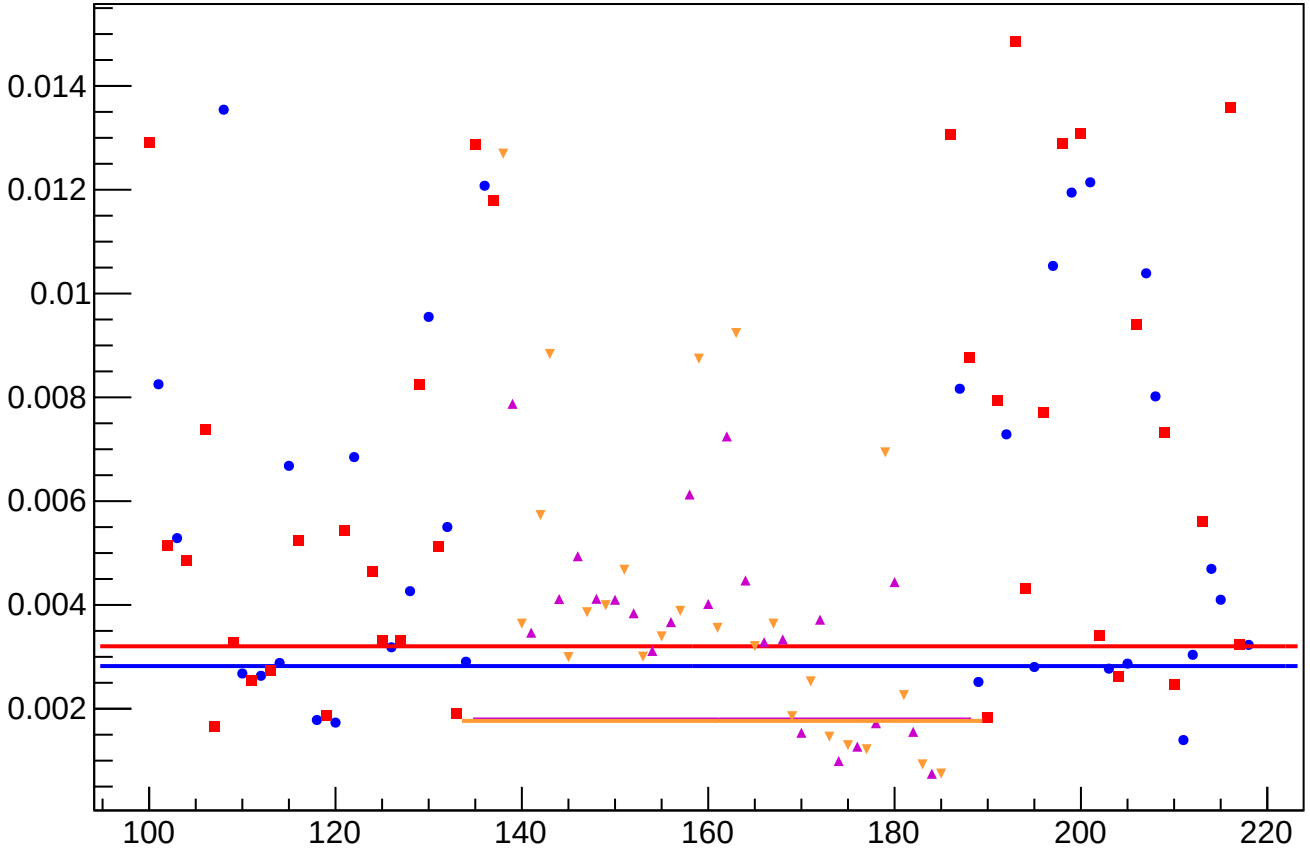
Right: 0.000+/-0.000 χ^2/NDF: 144.3/67

In: -0.000+/-0.000 χ^2/NDF:77.6/54

Out: 0.000+/-0.000 χ^2/NDF:119.8/60

All: -0.000+/-0.000 χ^2/NDF: 197.5/115

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 11550294.0/31

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 11597710.9/35

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

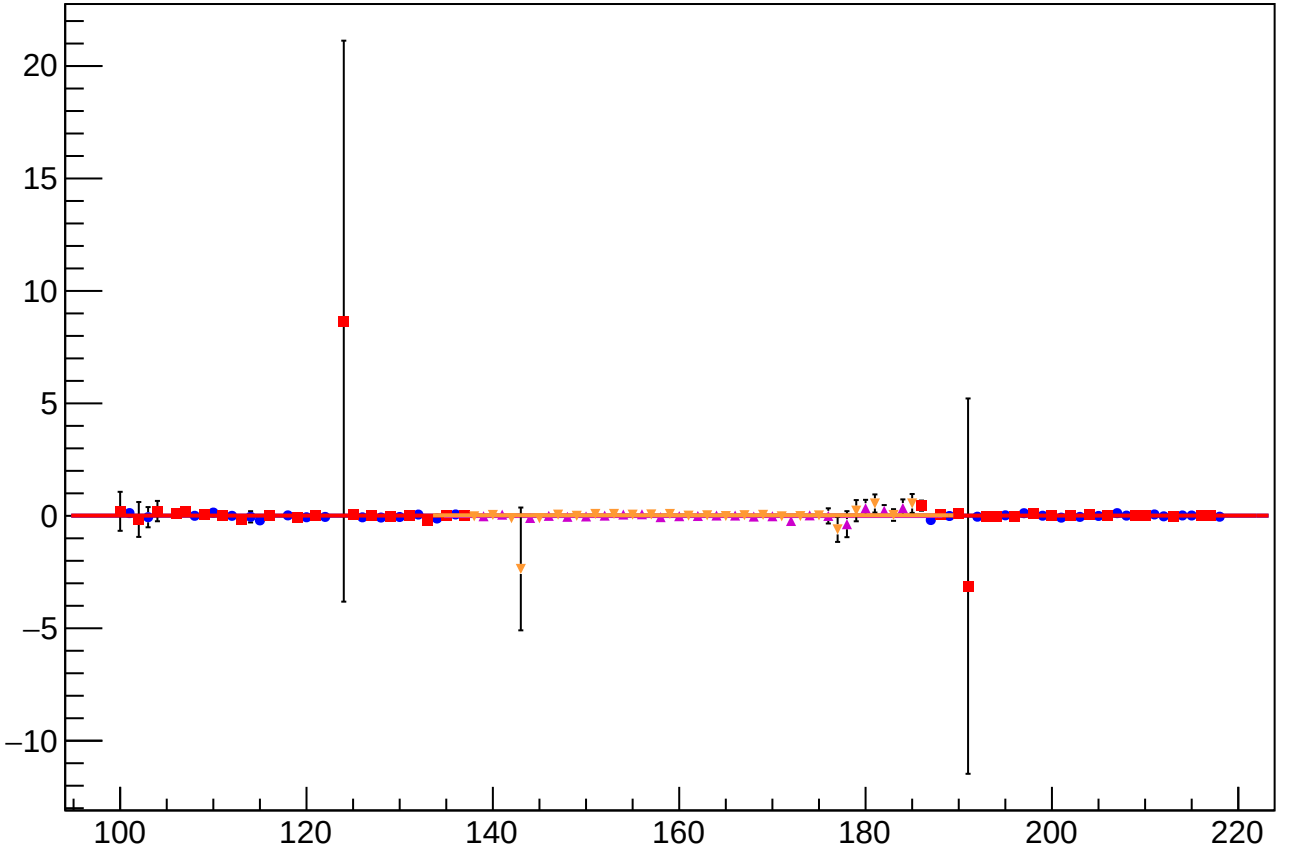
Right: 0.003+/-0.000 χ^2/NDF: 23363423.9/67

In: 0.002+/-0.000 χ^2/NDF:24639710.5/54

Out: 0.002+/-0.000 χ^2/NDF:28658476.9/60

All: 0.002+/-0.000 χ^2/NDF: 53299472.4/115

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+/-0.009 χ^2/NDF: 24.5/35

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

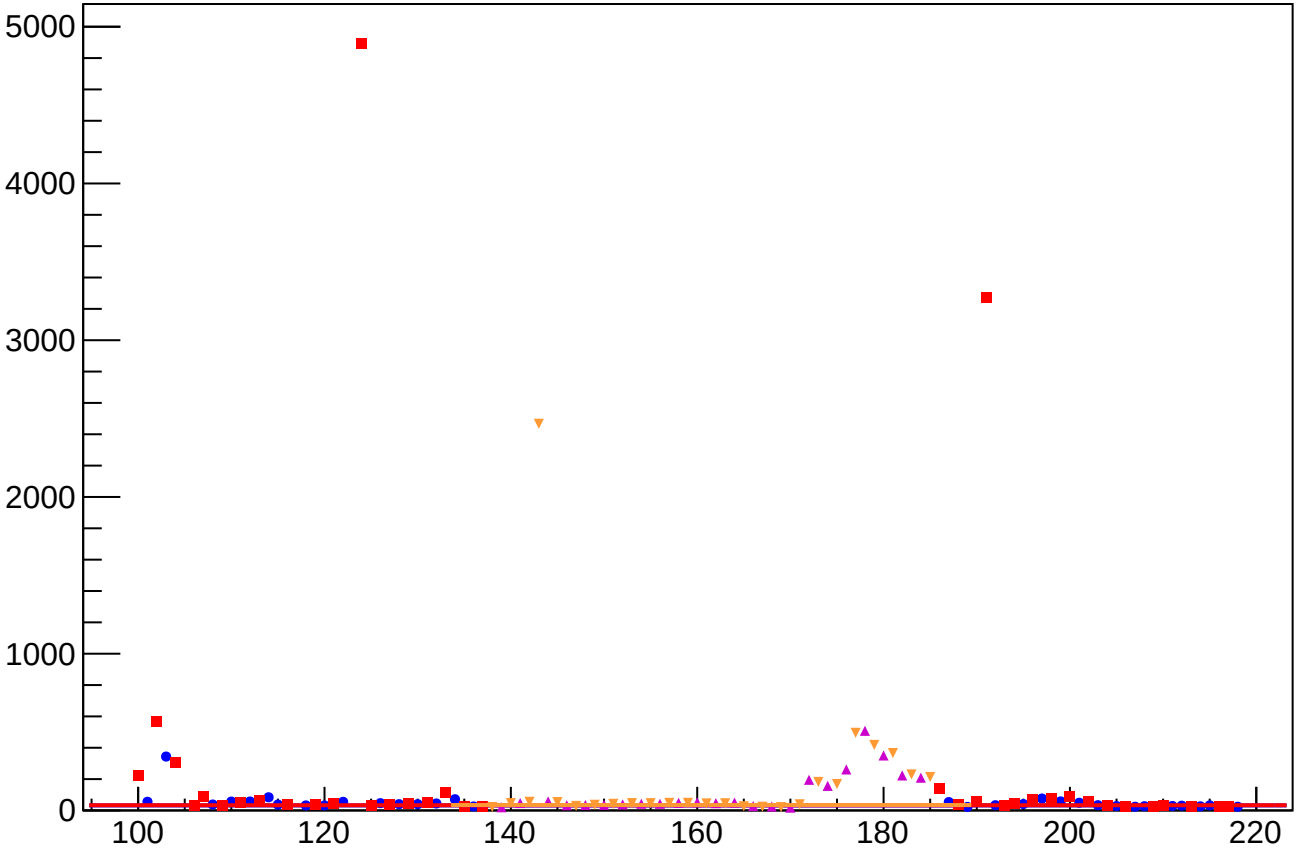
Right: 0.008+/-0.006 χ^2/NDF: 72.9/67

In: -0.000+/-0.006 χ^2/NDF:64.6/54

Out: 0.016+/-0.007 χ^2/NDF:48.2/60

All: 0.008+/-0.005 χ^2/NDF: 116.0/115

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: 33.279+/-0.006 χ^2/NDF: 6794340.6/35

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

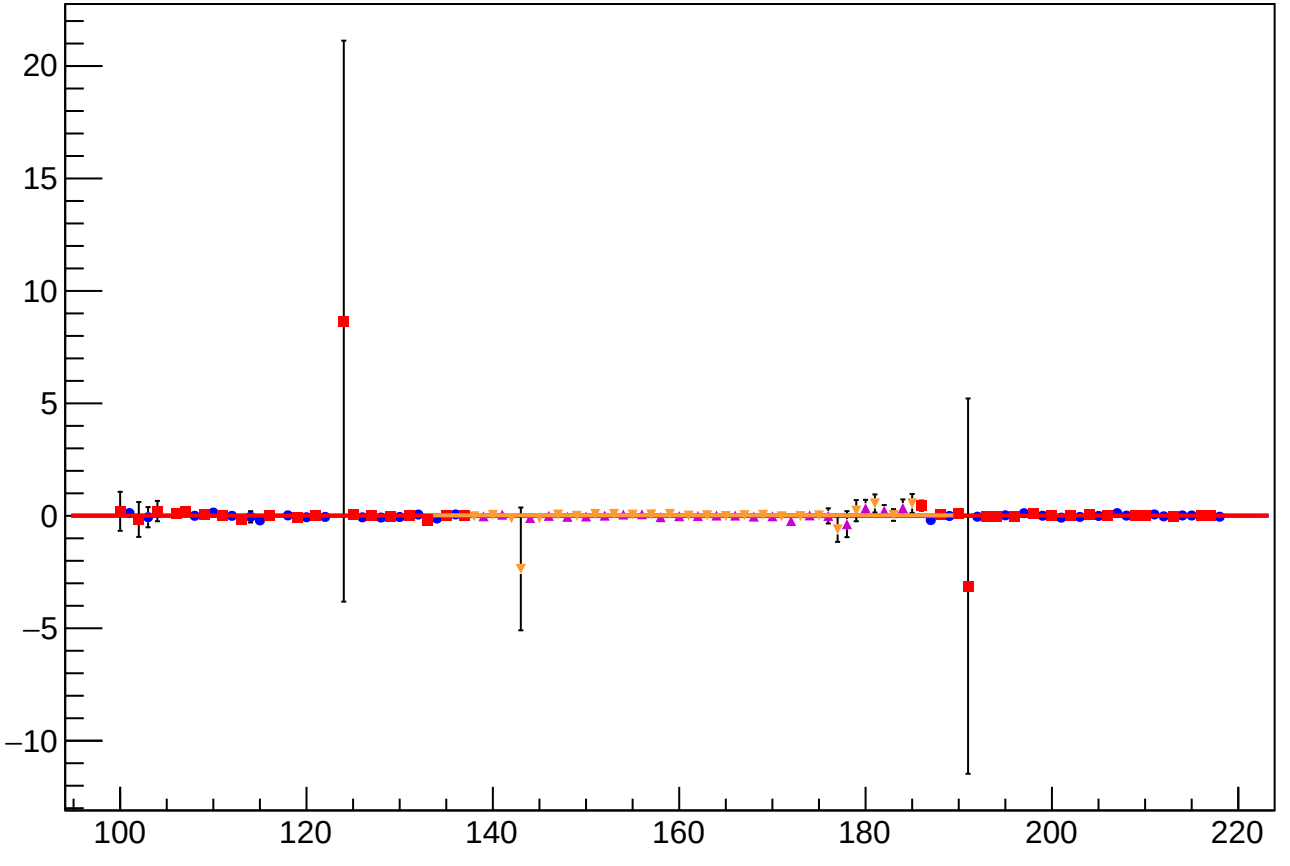
Right: 32.621+/-0.004 χ^2/NDF: 10768803.5/67

In: 32.672+/-0.004 χ^2/NDF:14048446.5/54

Out: 33.850+/-0.005 χ^2/NDF:18216834.2/60

All: 33.232+/-0.003 χ^2/NDF: 32298178.2/115

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+/-0.009 χ^2/NDF: 24.5/35

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

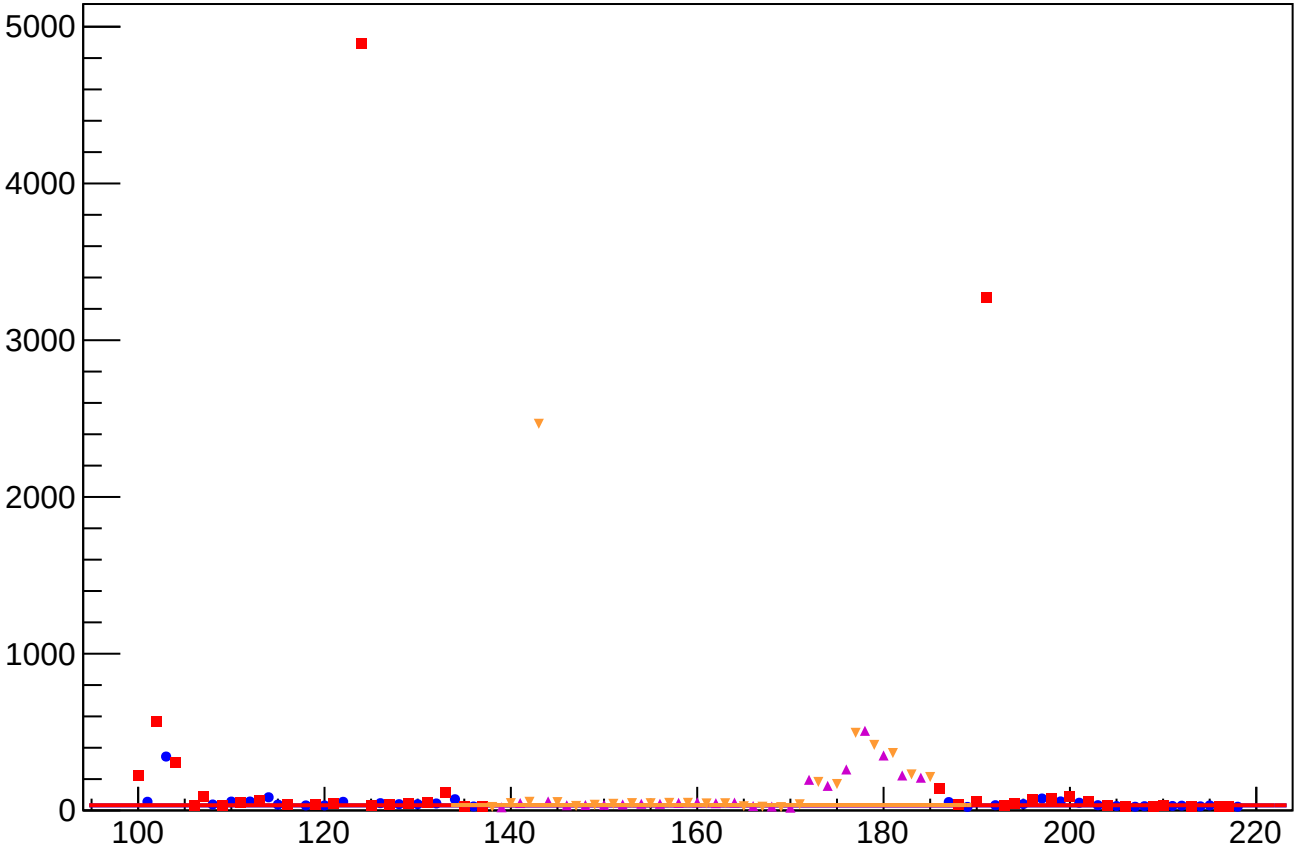
Right: 0.008+/-0.006 χ^2/NDF: 72.9/67

In: -0.000+/-0.006 χ^2/NDF:64.6/54

Out: 0.016+/-0.007 χ^2/NDF:48.2/60

All: 0.008+/-0.005 χ^2/NDF: 116.0/115

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: 33.279+/-0.006 χ^2/NDF: 6794340.6/35

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

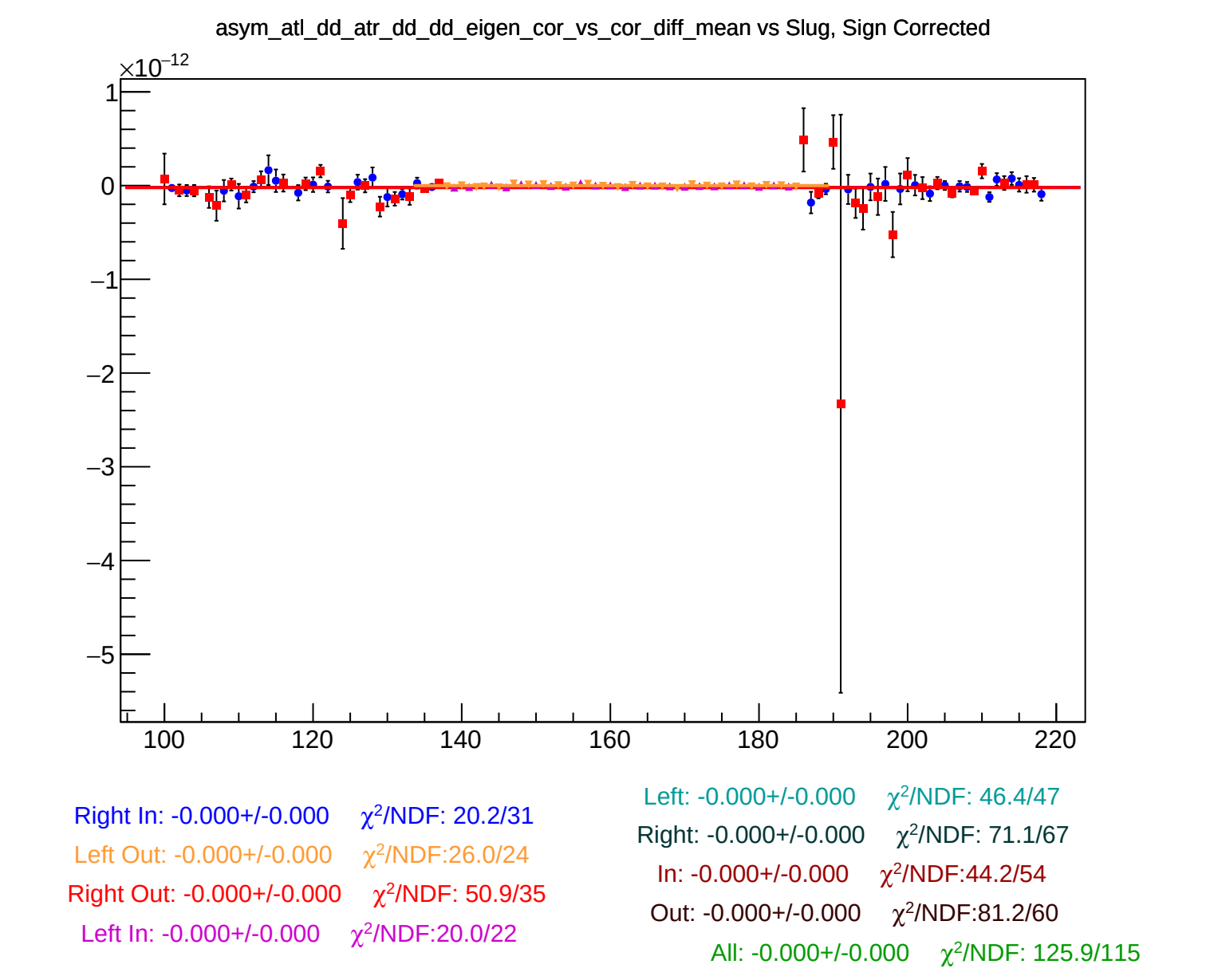
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

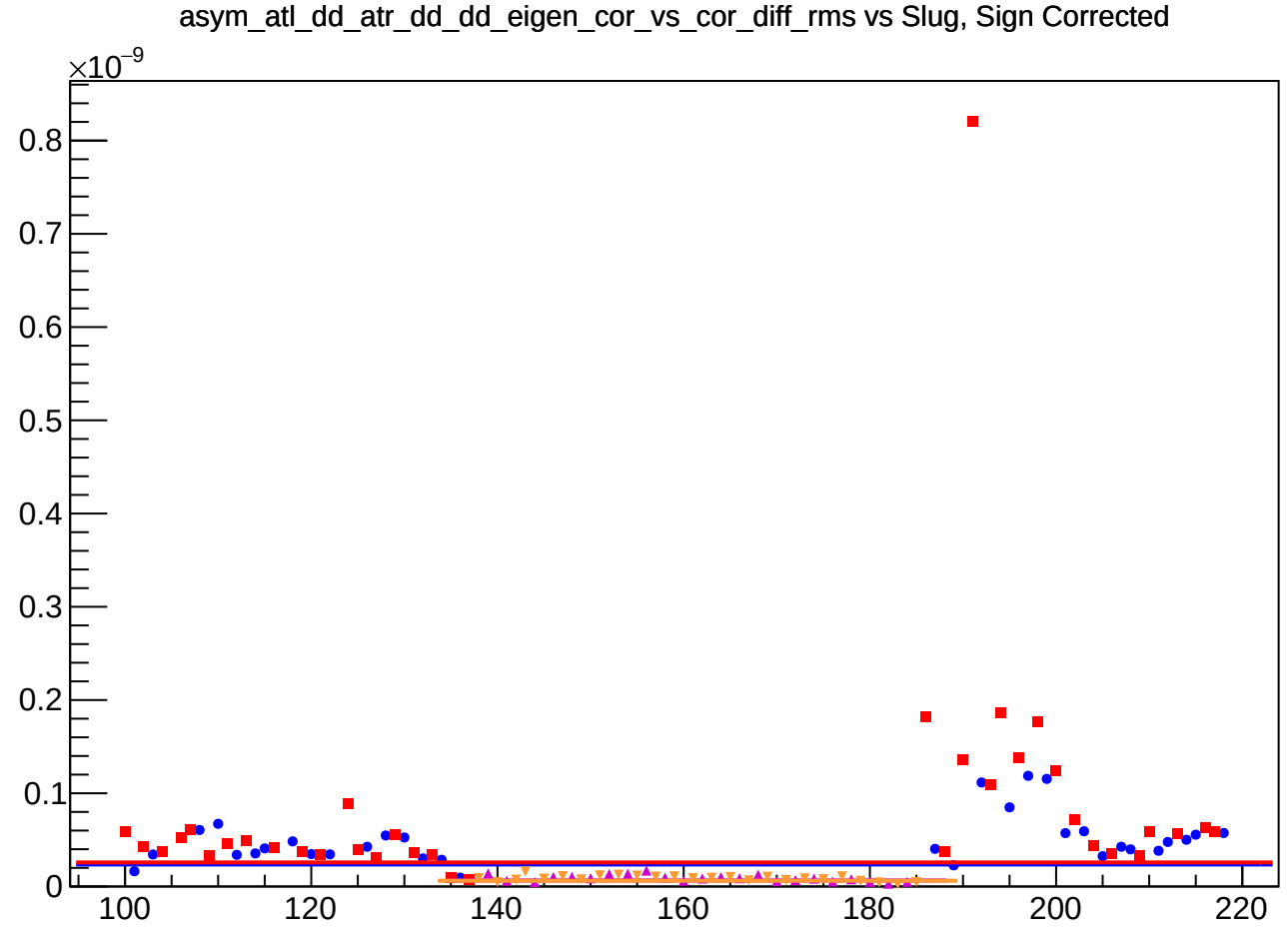
Right: 32.621+/-0.004 χ^2/NDF: 10768803.5/67

In: 32.672+/-0.004 χ^2/NDF:14048446.5/54

Out: 33.850+/-0.005 χ^2/NDF:18216834.2/60

All: 33.232+/-0.003 χ^2/NDF: 32298178.2/115


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: 50.9/35
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: 71.1/67
In: -0.000+/-0.000 χ²/NDF:44.2/54
Out: -0.000+/-0.000 χ²/NDF:81.2/60
All: -0.000+/-0.000 χ²/NDF: 125.9/115



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: 11271684.6/35

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

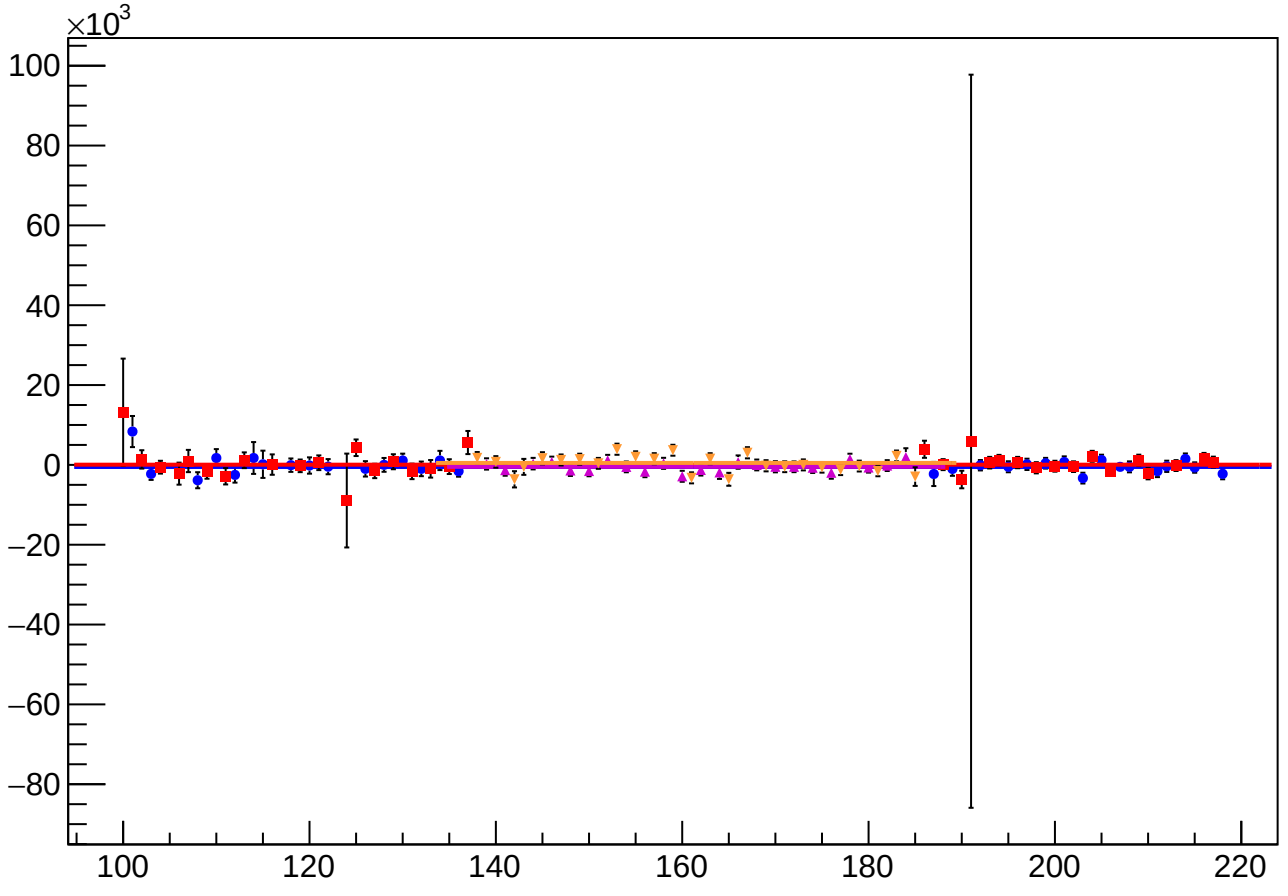
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 20331858.7/67

In: 0.000+/-0.000 χ^2/NDF:20375628.6/54

Out: 0.000+/-0.000 χ^2/NDF:24323928.8/60

All: 0.000+/-0.000 χ^2/NDF: 44743596.1/115



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: 49.443+/-288.010 χ^2/NDF: 32.5/35

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

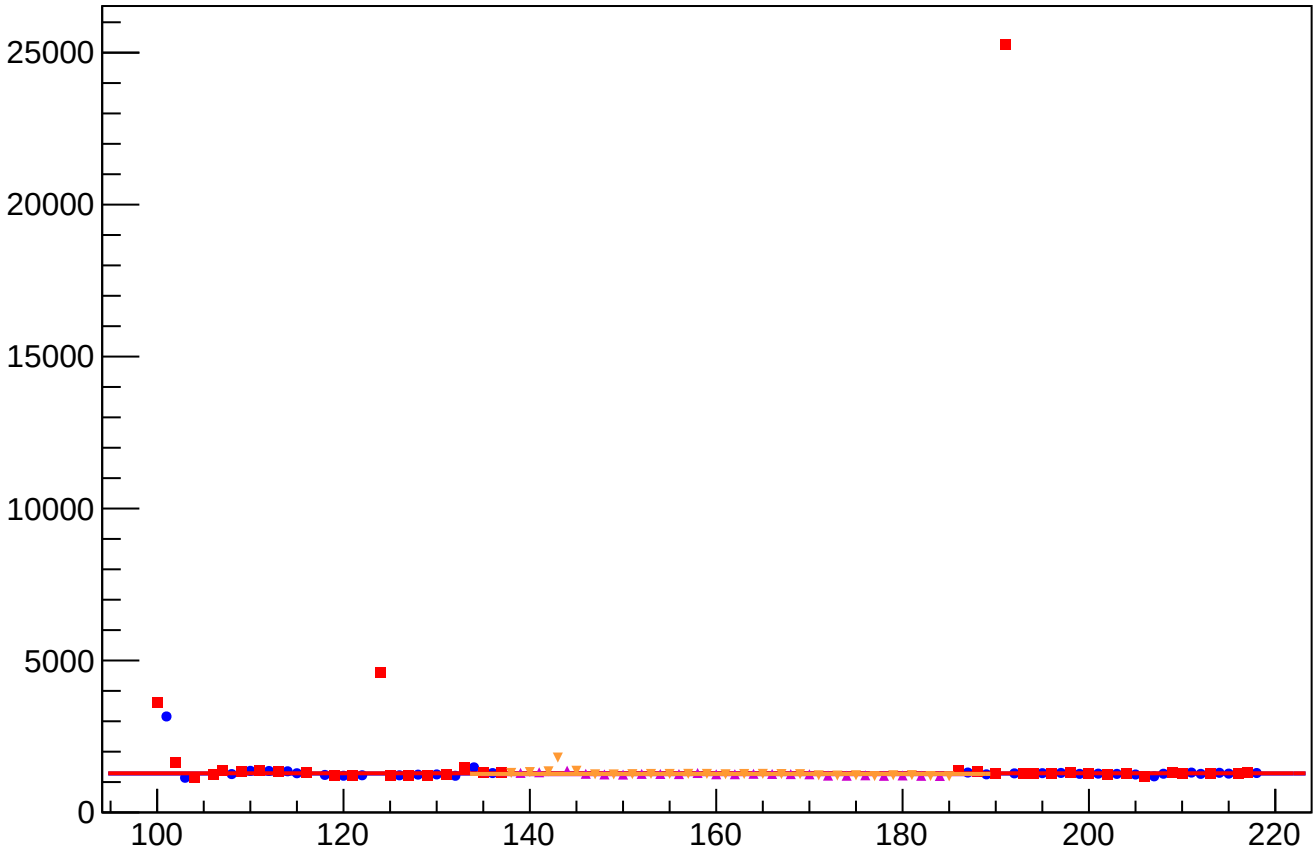
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -236.091+/-203.175 χ^2/NDF: 60.6/67

In: -503.282+/-205.167 χ^2/NDF:40.6/54

Out: 270.380+/-203.825 χ^2/NDF:80.5/60

All: -113.913+/-144.598 χ^2/NDF: 128.3/115



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: 1289.146+/-0.203 χ^2/NDF: 483324.7/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

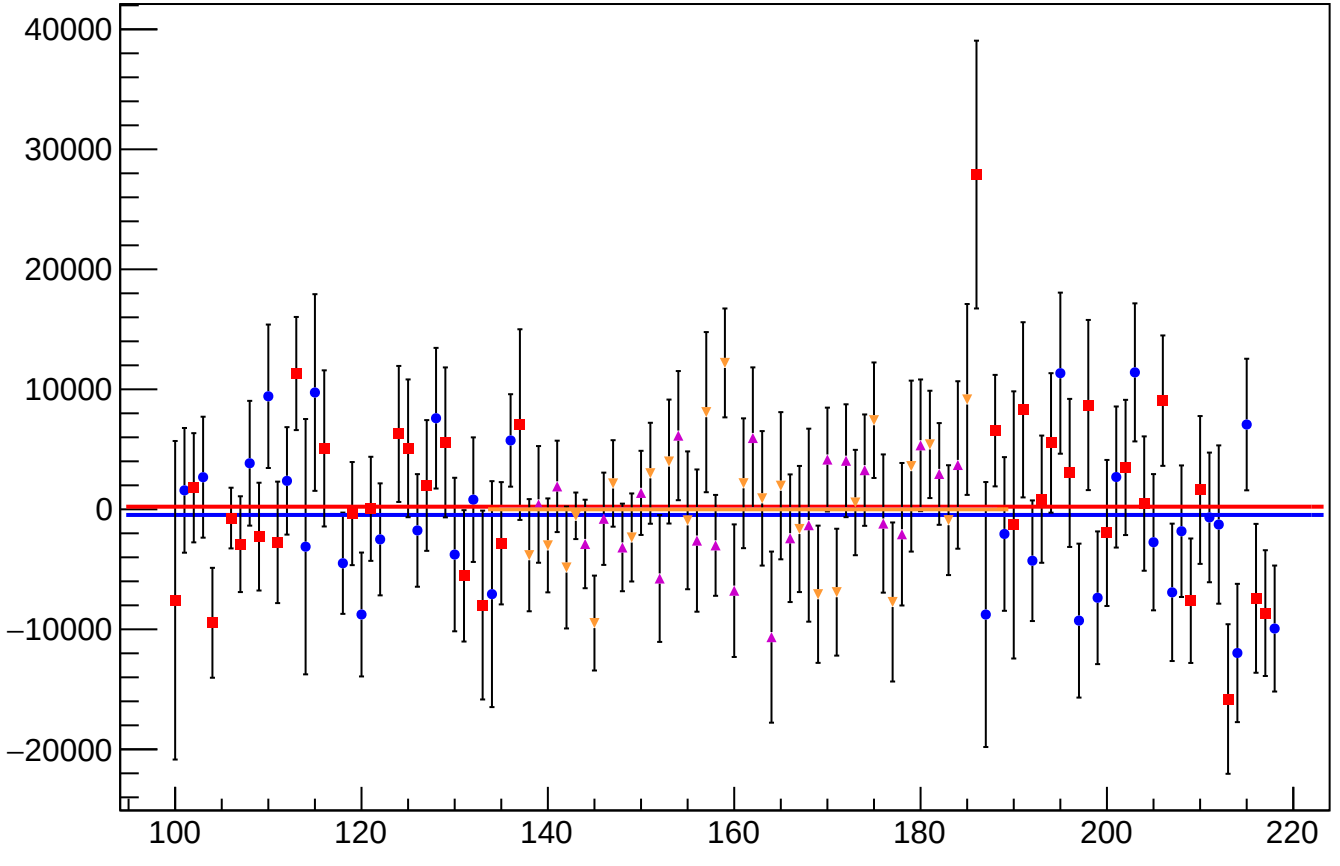
Right: 1284.315+/-0.144 χ^2/NDF: 1015066.1/67

In: 1268.805+/-0.145 χ^2/NDF:573163.6/54

Out: 1278.086+/-0.144 χ^2/NDF:676795.6/60

All: 1273.478+/-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: 219.445+/-884.354 χ^2/NDF: 46.6/35

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

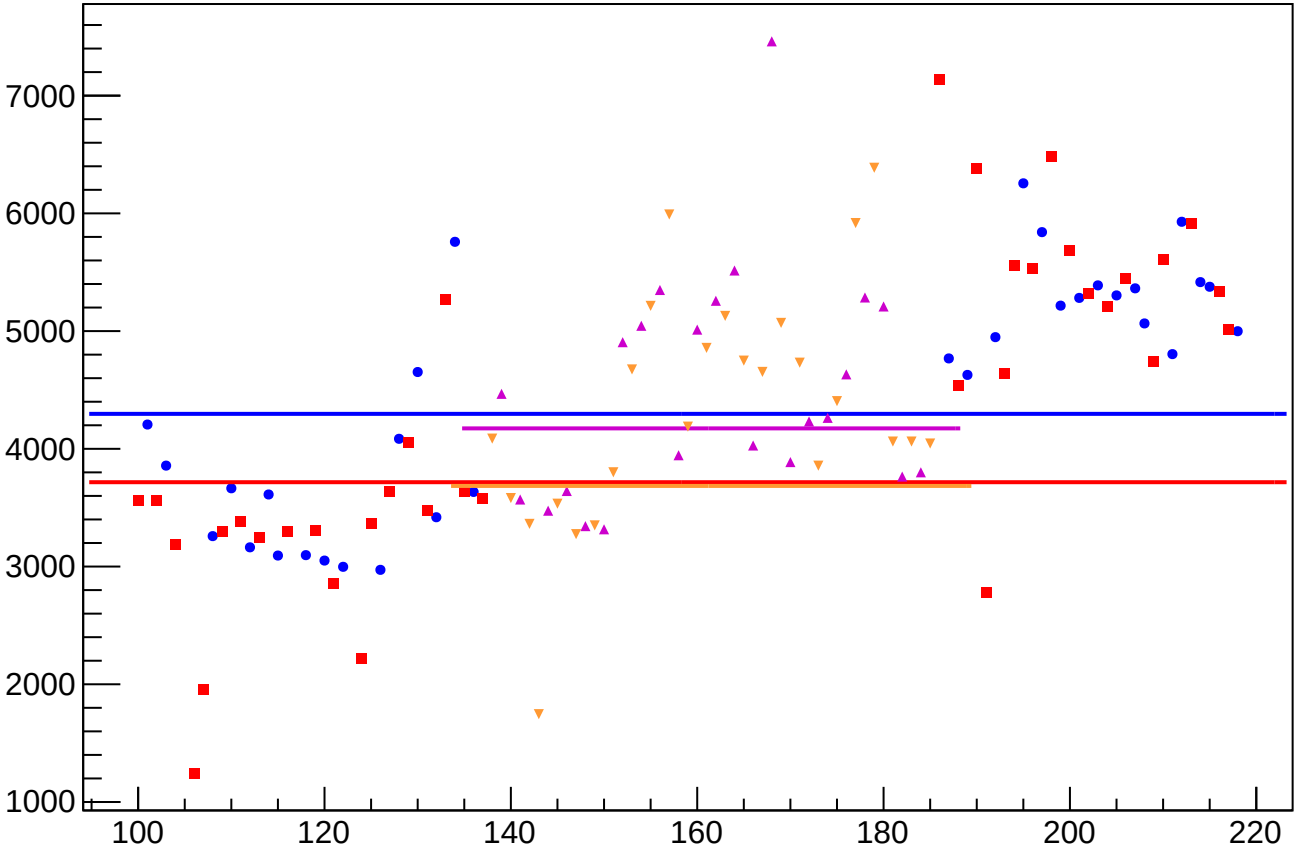
Right: -87.605+/-657.909 χ^2/NDF: 84.9/67

In: -221.013+/-699.963 χ^2/NDF:52.1/54

Out: 109.686+/-626.086 χ^2/NDF:75.7/60

All: -37.297+/-466.650 χ^2/NDF: 128.0/115

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: 3716.449+/-0.625 χ^2/NDF: 5350706.1/35

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

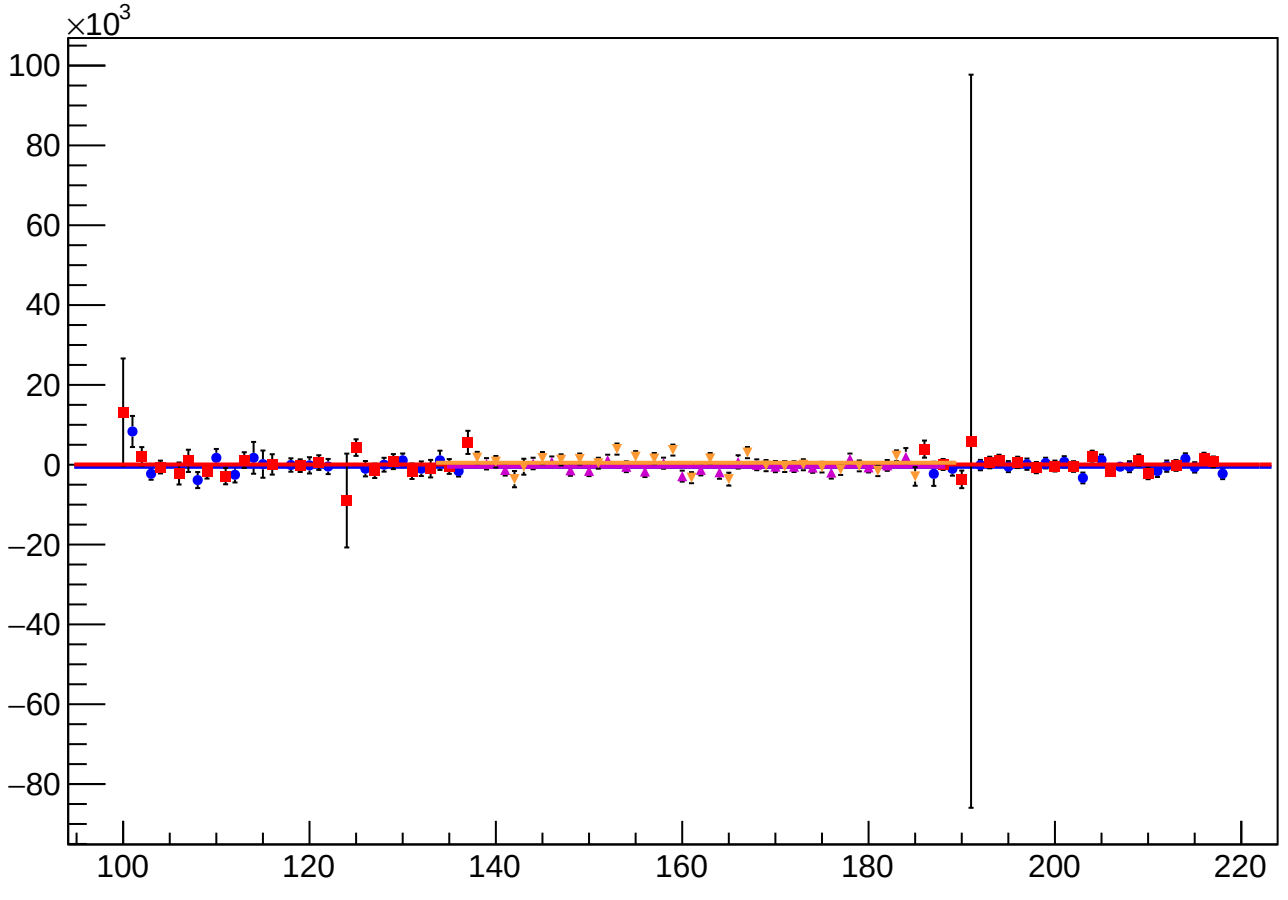
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3975.706+/-0.465 χ^2/NDF: 7811985.2/67

In: 4235.966+/-0.495 χ^2/NDF:3366885.3/54

Out: 3700.647+/-0.443 χ^2/NDF:9045633.0/60

All: 3938.575+/-0.330 χ^2/NDF: 13062379.5/1



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: 59.595+/-288.077 χ^2/NDF: 32.9/35

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

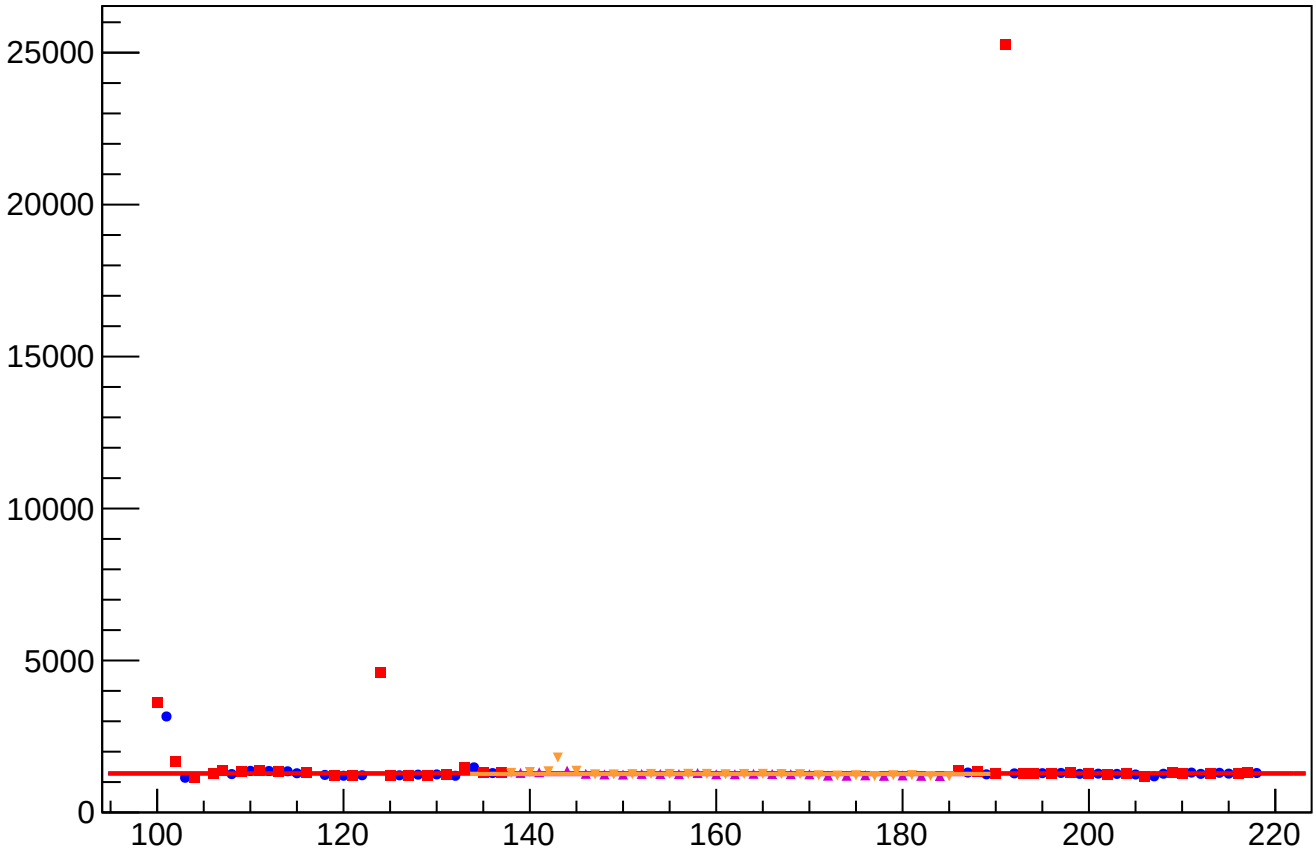
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -231.169+/-203.199 χ^2/NDF: 61.1/67

In: -503.297+/-205.167 χ^2/NDF:40.6/54

Out: 275.523+/-203.849 χ^2/NDF:80.9/60

All: -111.377+/-144.607 χ^2/NDF: 128.7/115



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: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

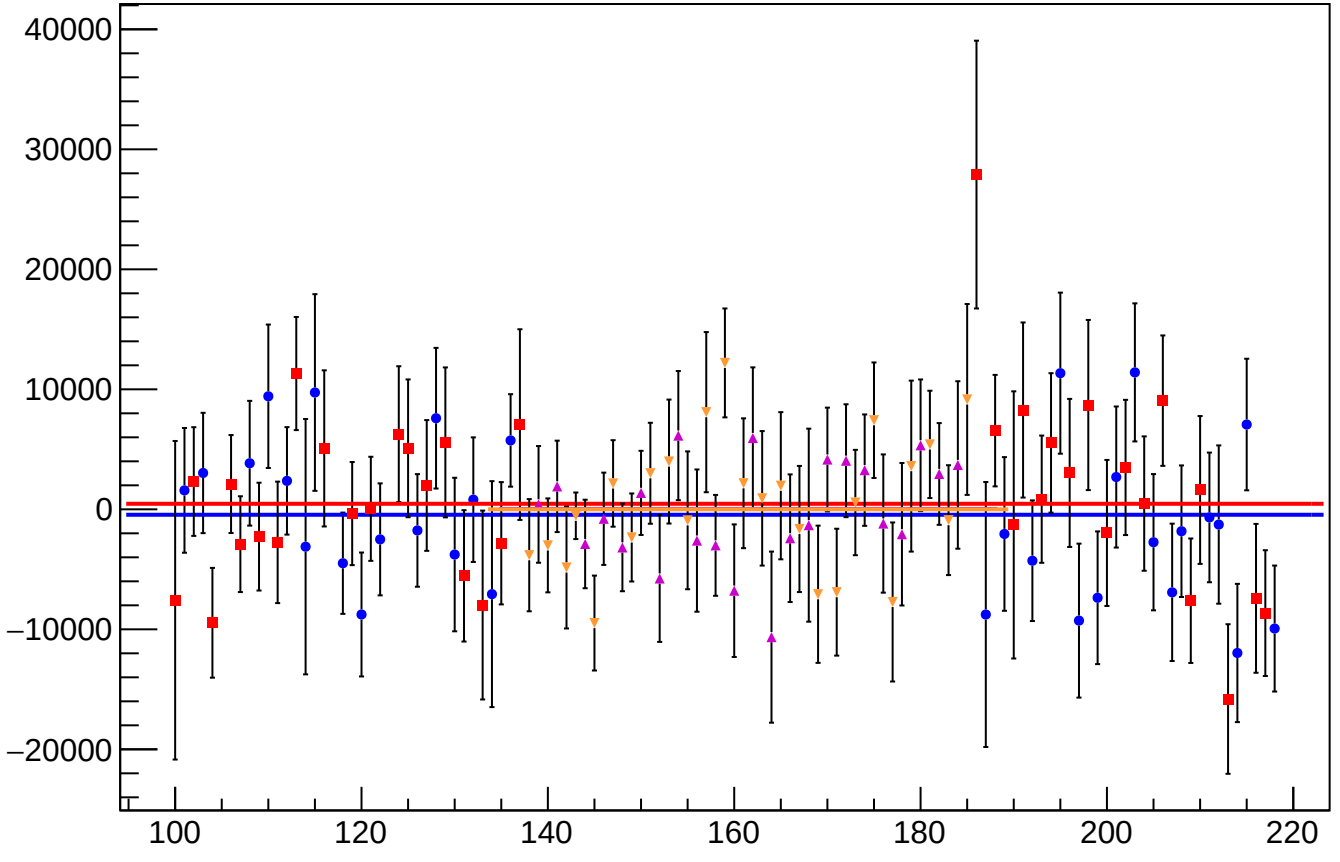
Right: 1284.660+/-0.144 χ^2/NDF: 1022114.5/67

In: 1268.805+/-0.145 χ^2/NDF:573165.0/54

Out: 1278.430+/-0.144 χ^2/NDF:684050.3/60

All: 1273.650+/-0.102 χ^2/NDF: 1259431.3/11

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: 461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

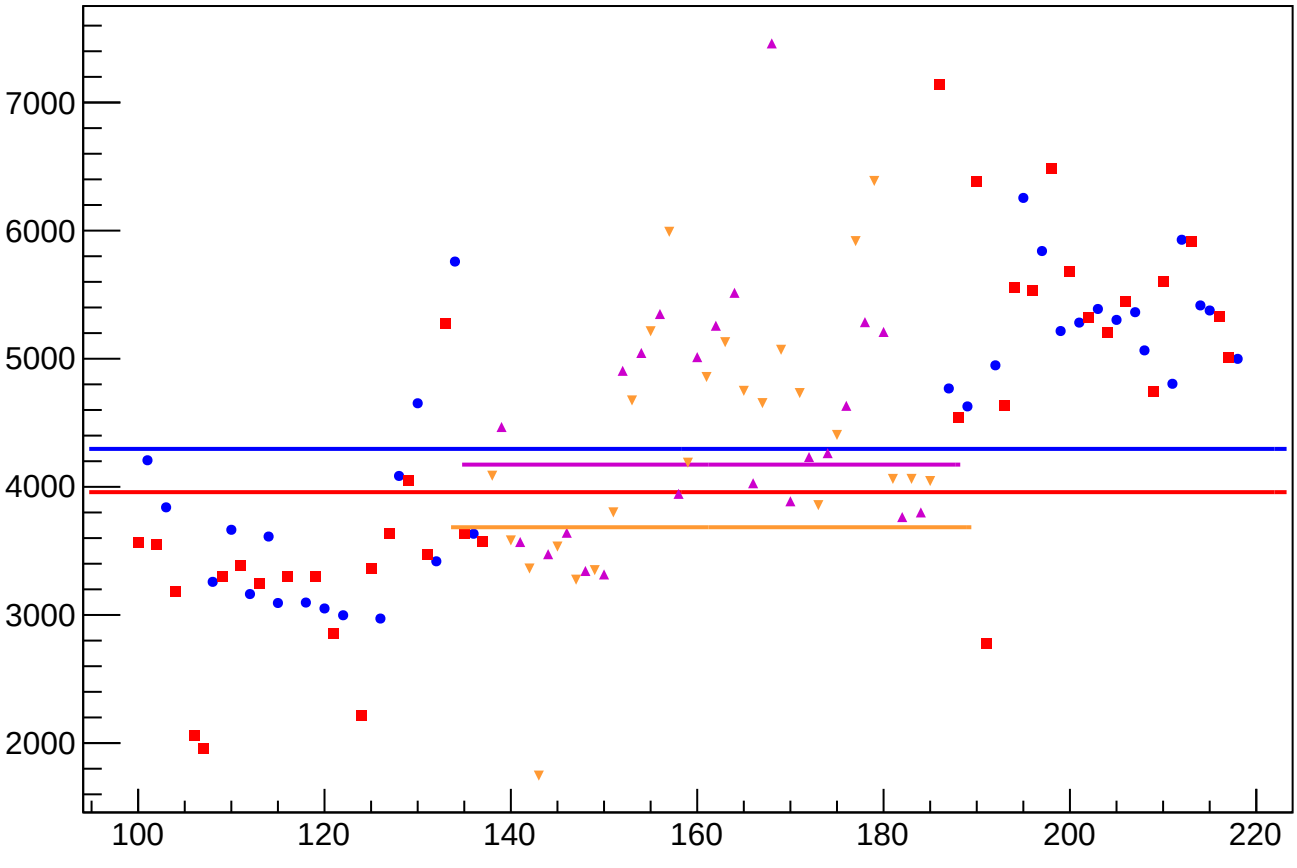
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 35.149+/-671.914 χ^2/NDF: 85.3/67

In: -213.635+/-699.895 χ^2/NDF:52.2/54

Out: 222.030+/-638.169 χ^2/NDF:75.9/60

All: 24.252+/-471.569 χ^2/NDF: 128.4/115



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: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

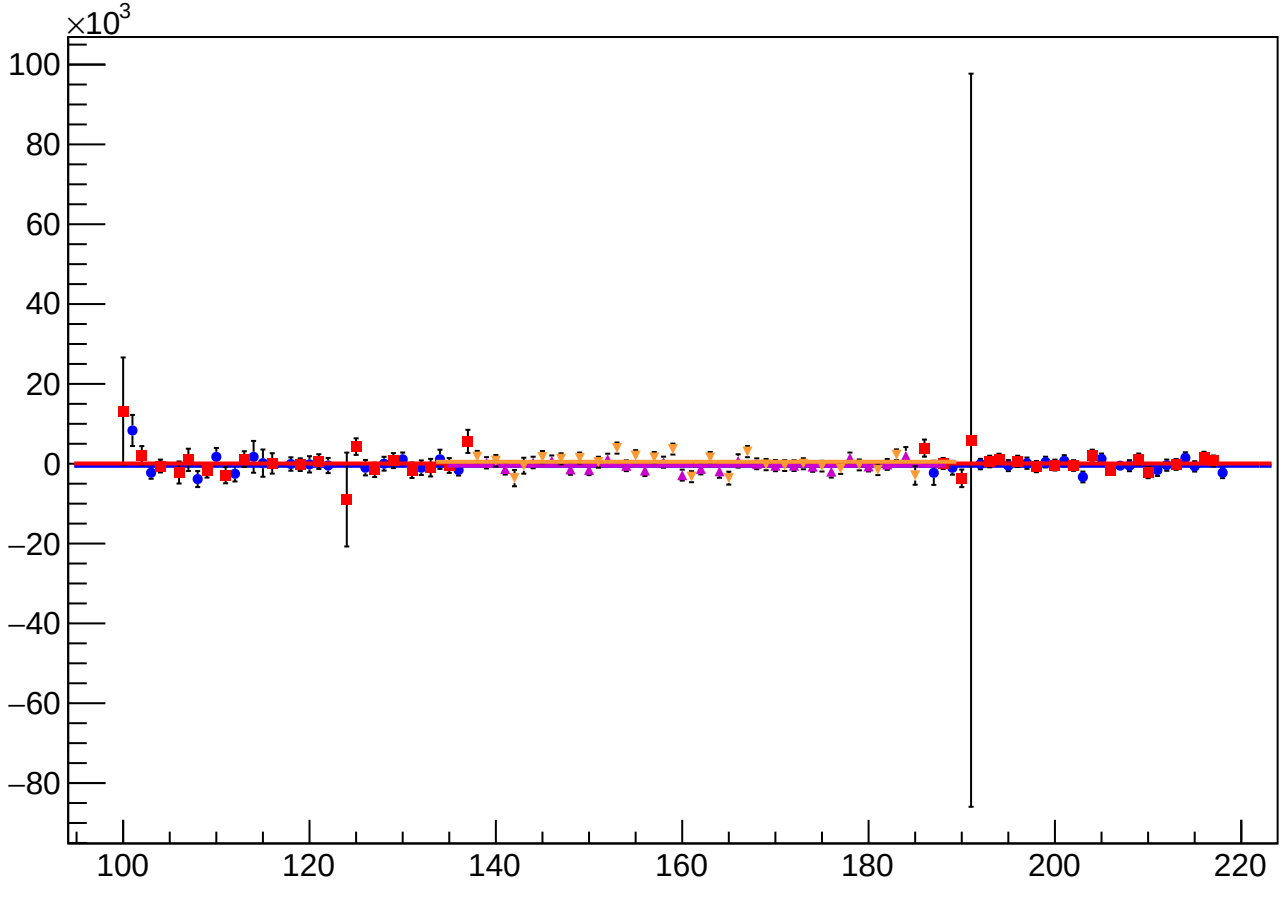
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4115.932+/-0.475 χ^2/NDF: 5830393.8/67

In: 4235.568+/-0.495 χ^2/NDF:3368069.4/54

Out: 3816.706+/-0.451 χ^2/NDF:7412674.7/60

All: 4006.855+/-0.333 χ^2/NDF: 11171878.2/1



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: 59.595+/-288.077 χ^2/NDF: 32.9/35

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

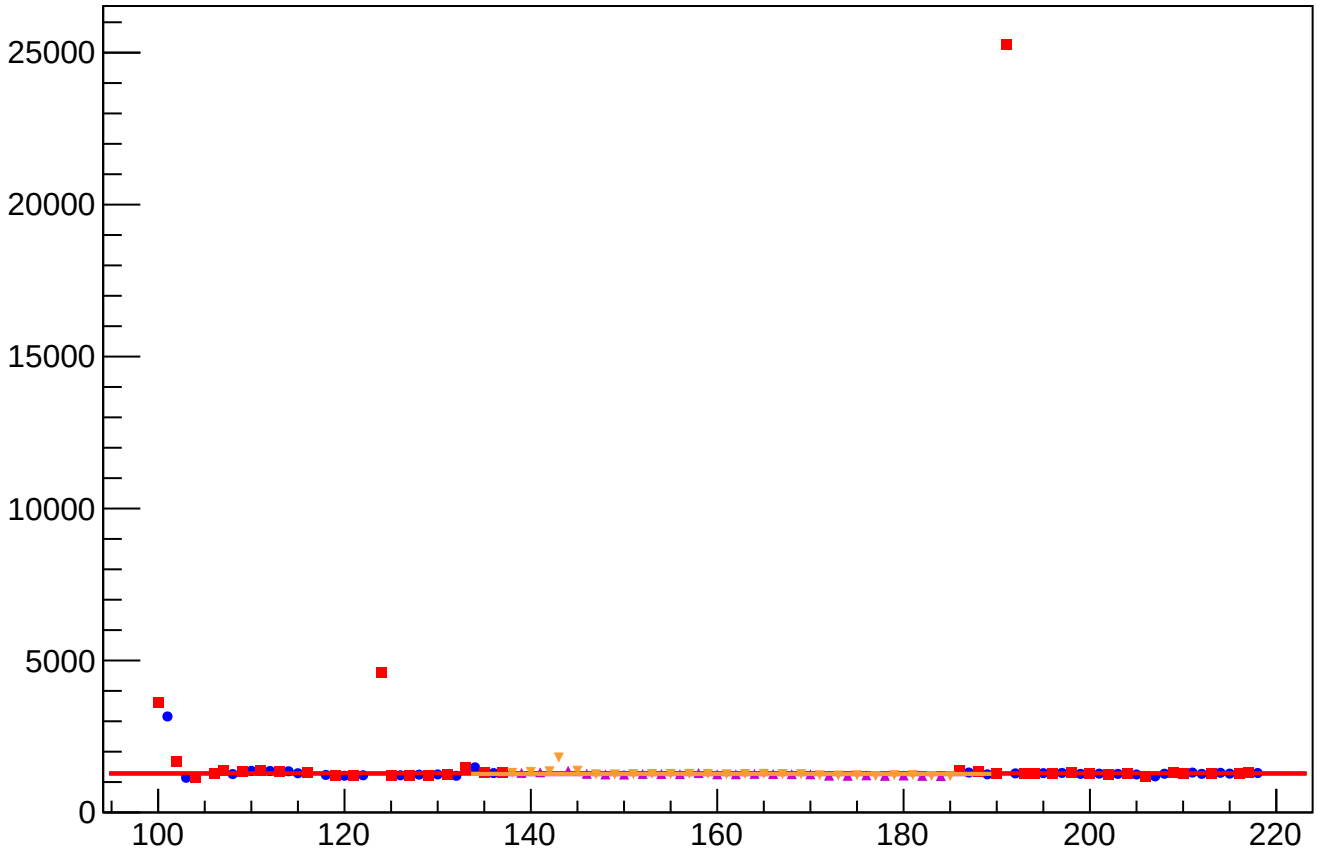
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -231.169+/-203.199 χ^2/NDF: 61.1/67

In: -503.297+/-205.167 χ^2/NDF:40.6/54

Out: 275.523+/-203.849 χ^2/NDF:80.9/60

All: -111.377+/-144.607 χ^2/NDF: 128.7/115



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: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

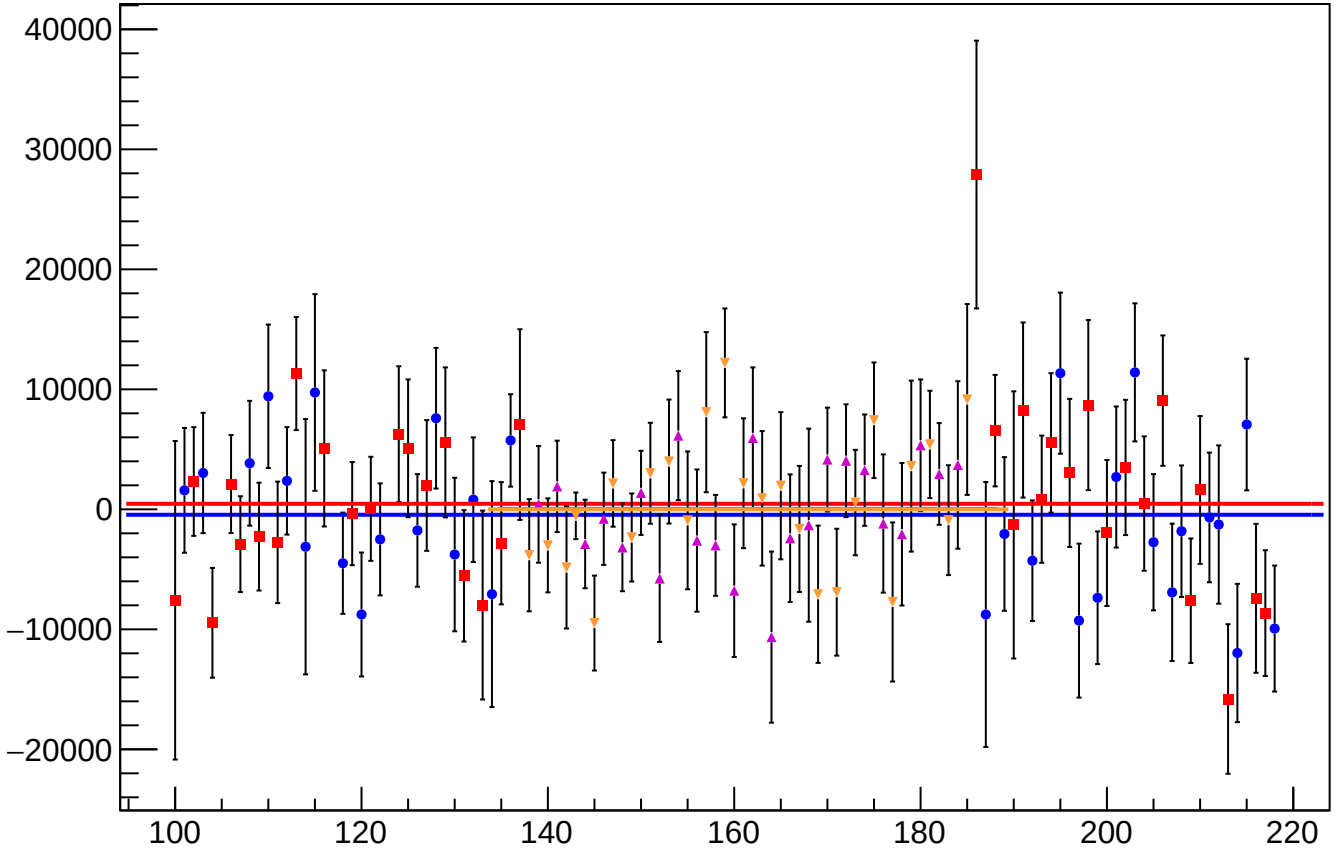
Right: 1284.660+/-0.144 χ^2/NDF: 1022114.5/67

In: 1268.805+/-0.145 χ^2/NDF:573165.0/54

Out: 1278.430+/-0.144 χ^2/NDF:684050.3/60

All: 1273.650+/-0.102 χ^2/NDF: 1259431.3/11

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: 461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

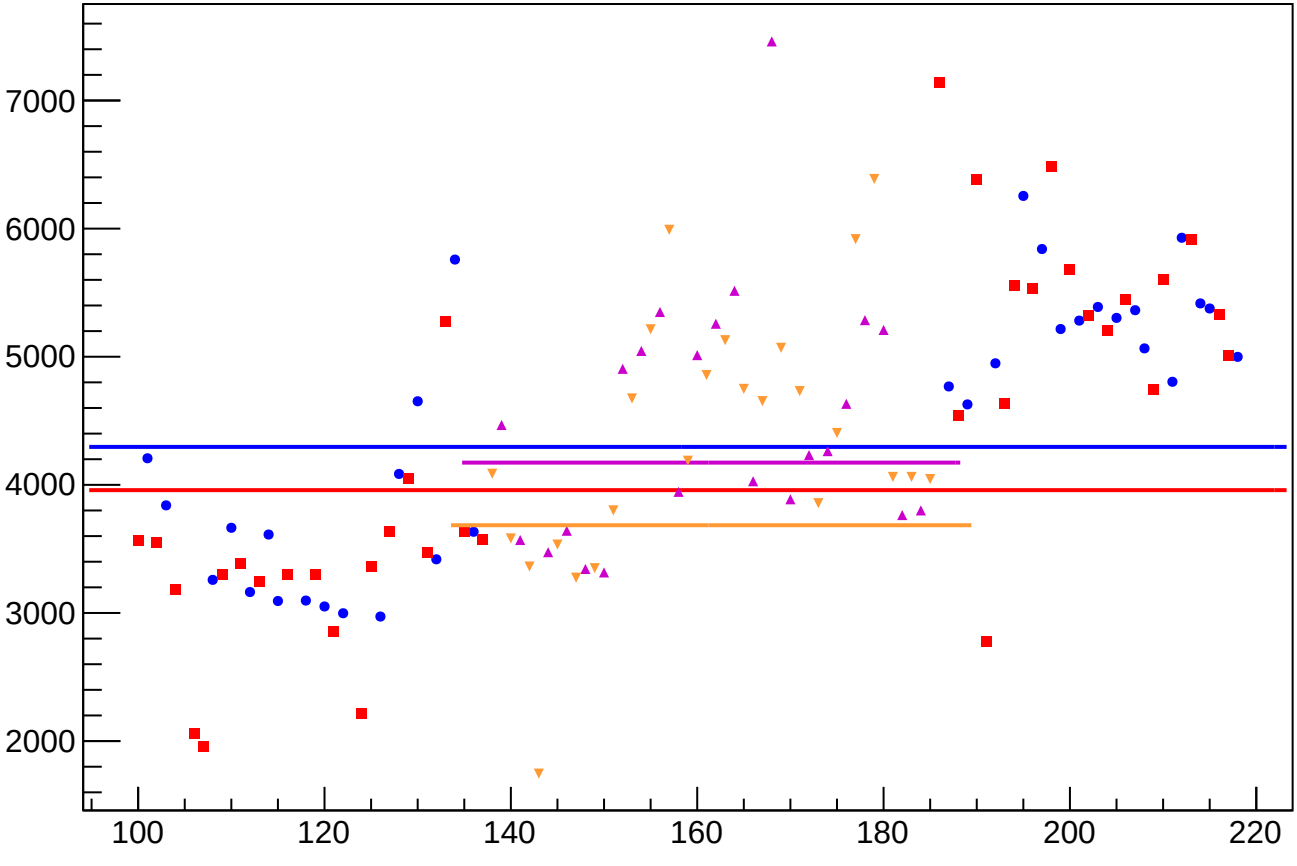
Right: 35.149+/-671.914 χ^2/NDF: 85.3/67

In: -213.635+/-699.895 χ^2/NDF:52.2/54

Out: 222.030+/-638.169 χ^2/NDF:75.9/60

All: 24.252+/-471.569 χ^2/NDF: 128.4/115

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

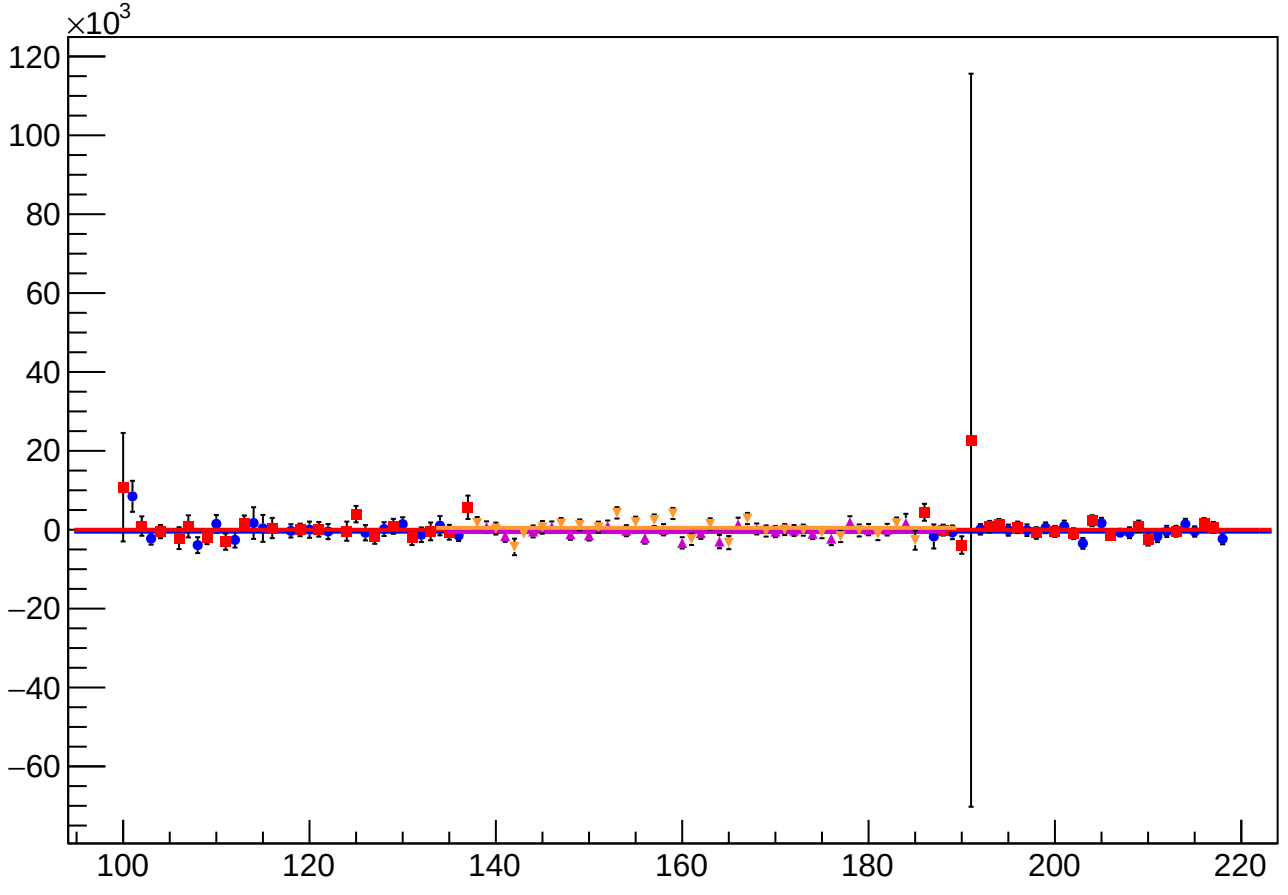
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4115.932+/-0.475 χ^2/NDF: 5830393.8/67

In: 4235.568+/-0.495 χ^2/NDF:3368069.4/54

Out: 3816.706+/-0.451 χ^2/NDF:7412674.7/60

All: 4006.855+/-0.333 χ^2/NDF: 11171878.2/1



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: -2.606+/-290.184 χ^2/NDF: 34.0/35

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

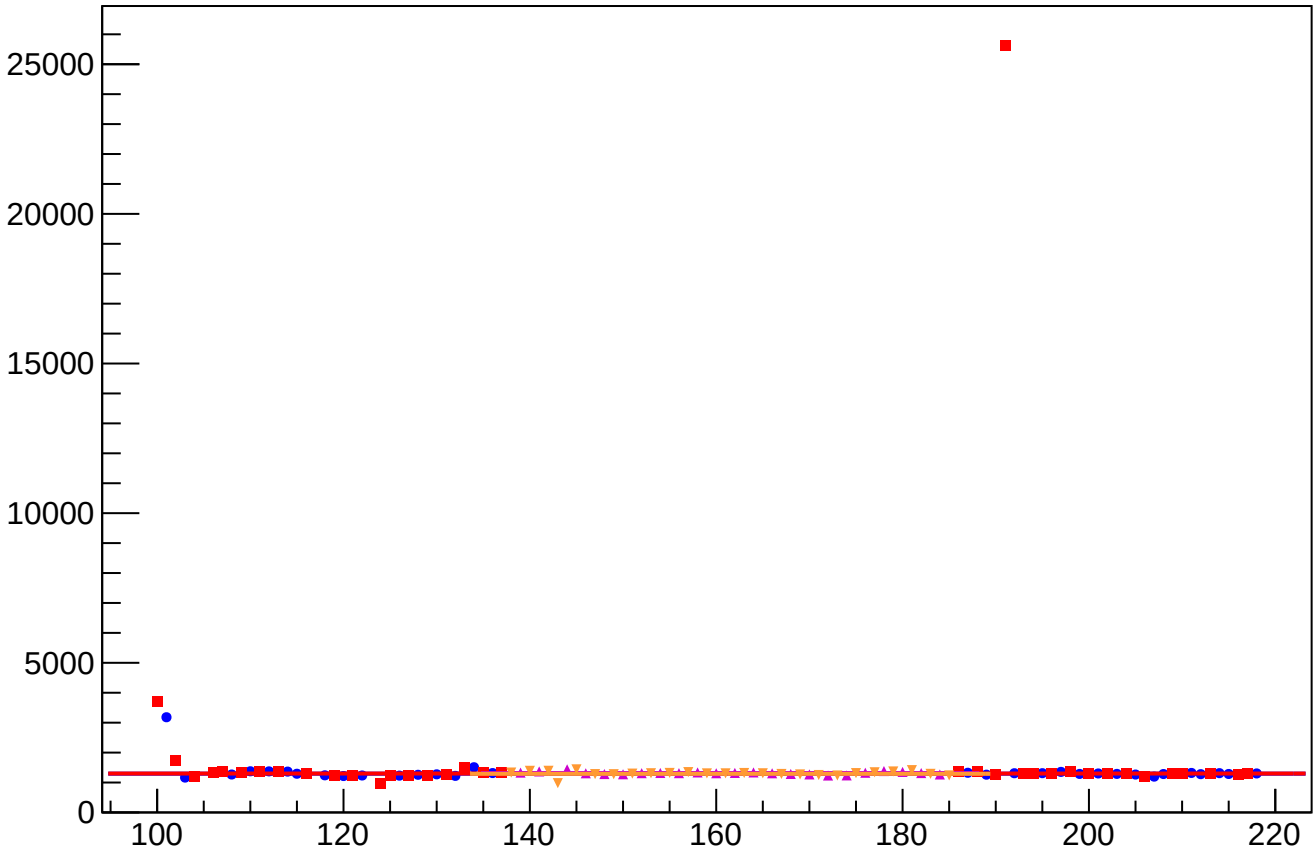
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -246.421+/-205.195 χ^2/NDF: 63.0/67

In: -496.530+/-210.907 χ^2/NDF:45.0/54

Out: 229.383+/-206.616 χ^2/NDF:79.4/60

All: -126.114+/-147.593 χ^2/NDF: 130.4/115



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: 1300.430+/-0.205 χ^2/NDF: 378990.2/35

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

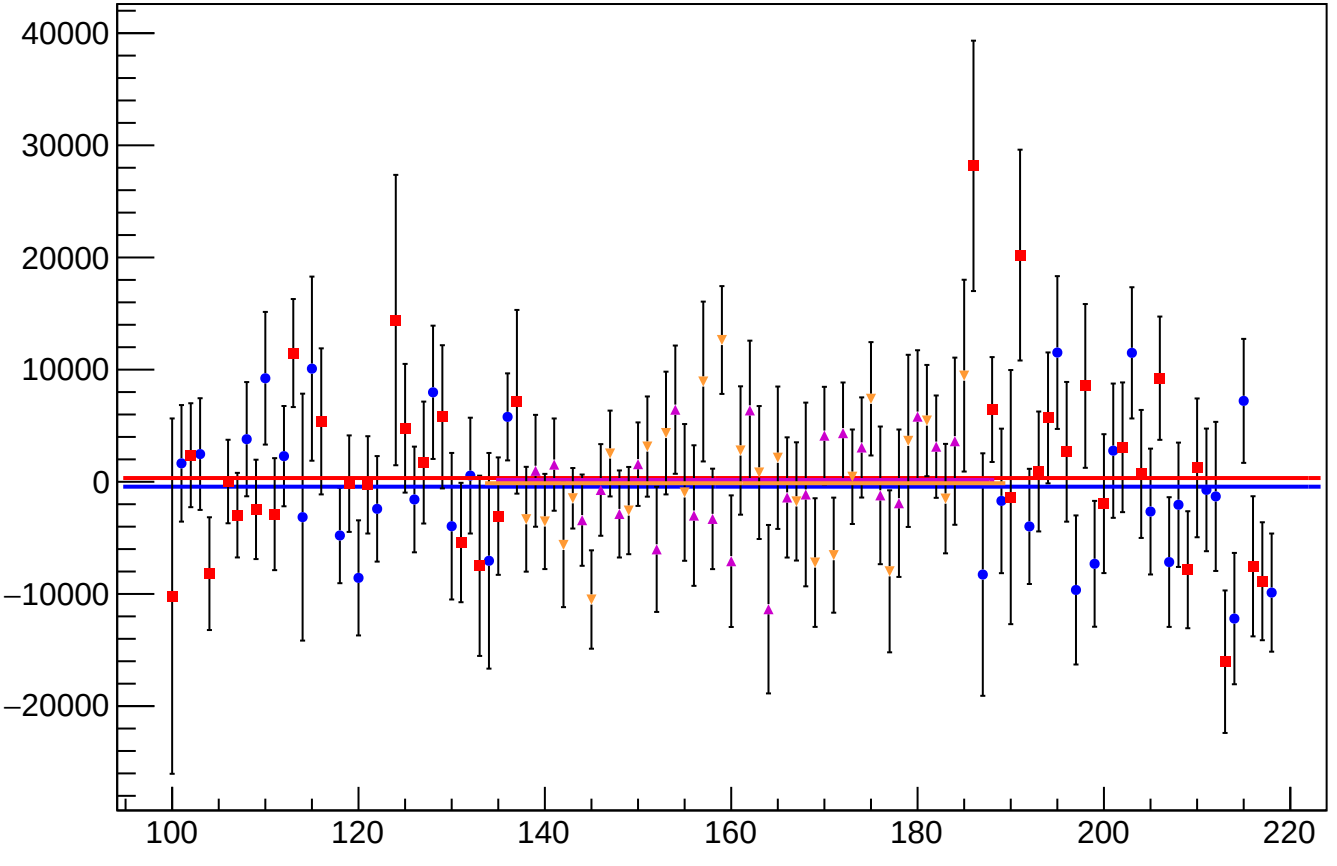
Right: 1297.806+/-0.145 χ^2/NDF: 909600.8/67

In: 1304.062+/-0.149 χ^2/NDF:577298.7/54

Out: 1295.886+/-0.146 χ^2/NDF:610720.7/60

All: 1299.889+/-0.104 χ^2/NDF: 1189553.7/11

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: 334.966+/-934.371 χ^2/NDF: 48.3/35

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

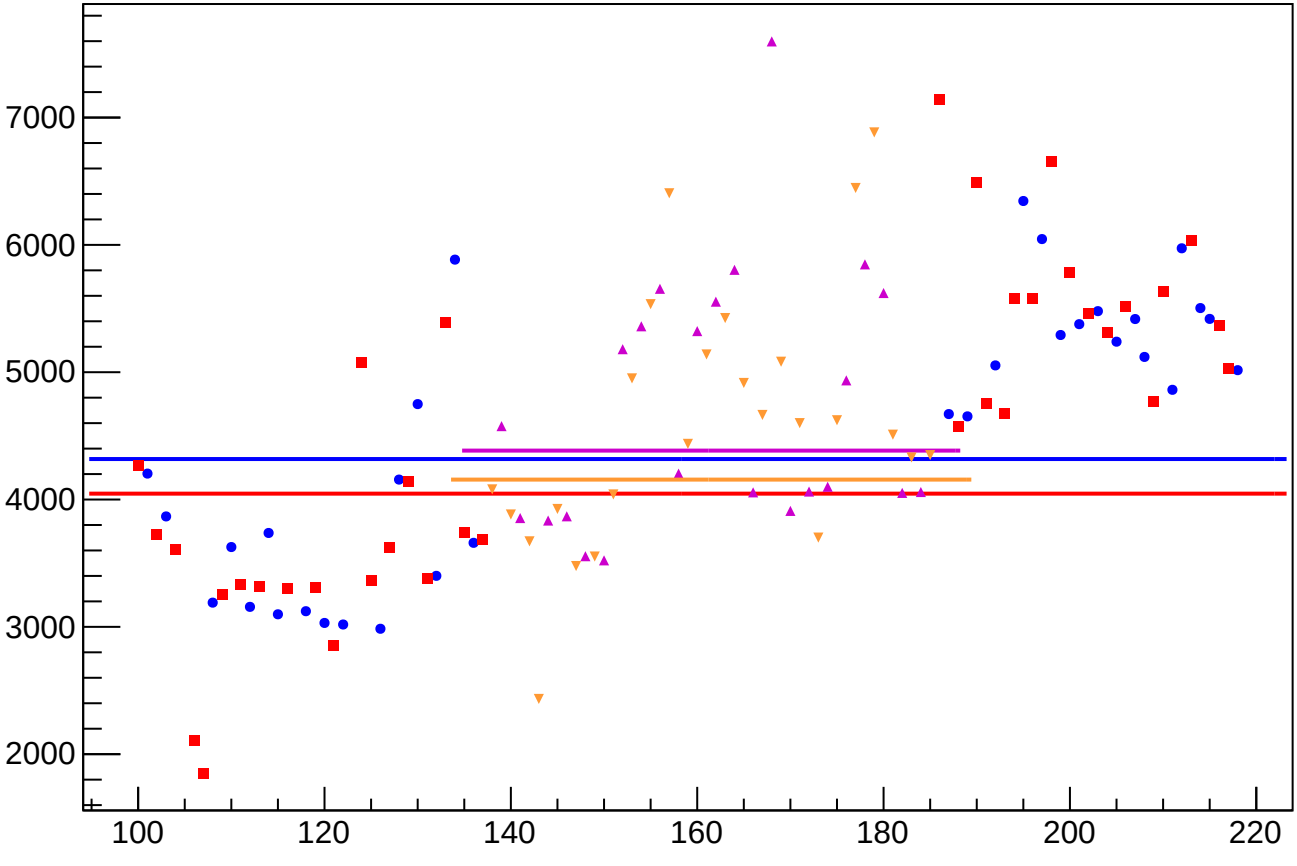
Right: -28.046+/-679.650 χ^2/NDF: 86.5/67

In: -154.329+/-719.018 χ^2/NDF:51.8/54

Out: 114.205+/-675.344 χ^2/NDF:77.0/60

All: -11.659+/-492.256 χ^2/NDF: 128.9/115

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



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: 4046.251+/-0.661 χ^2/NDF: 3653438.5/35

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

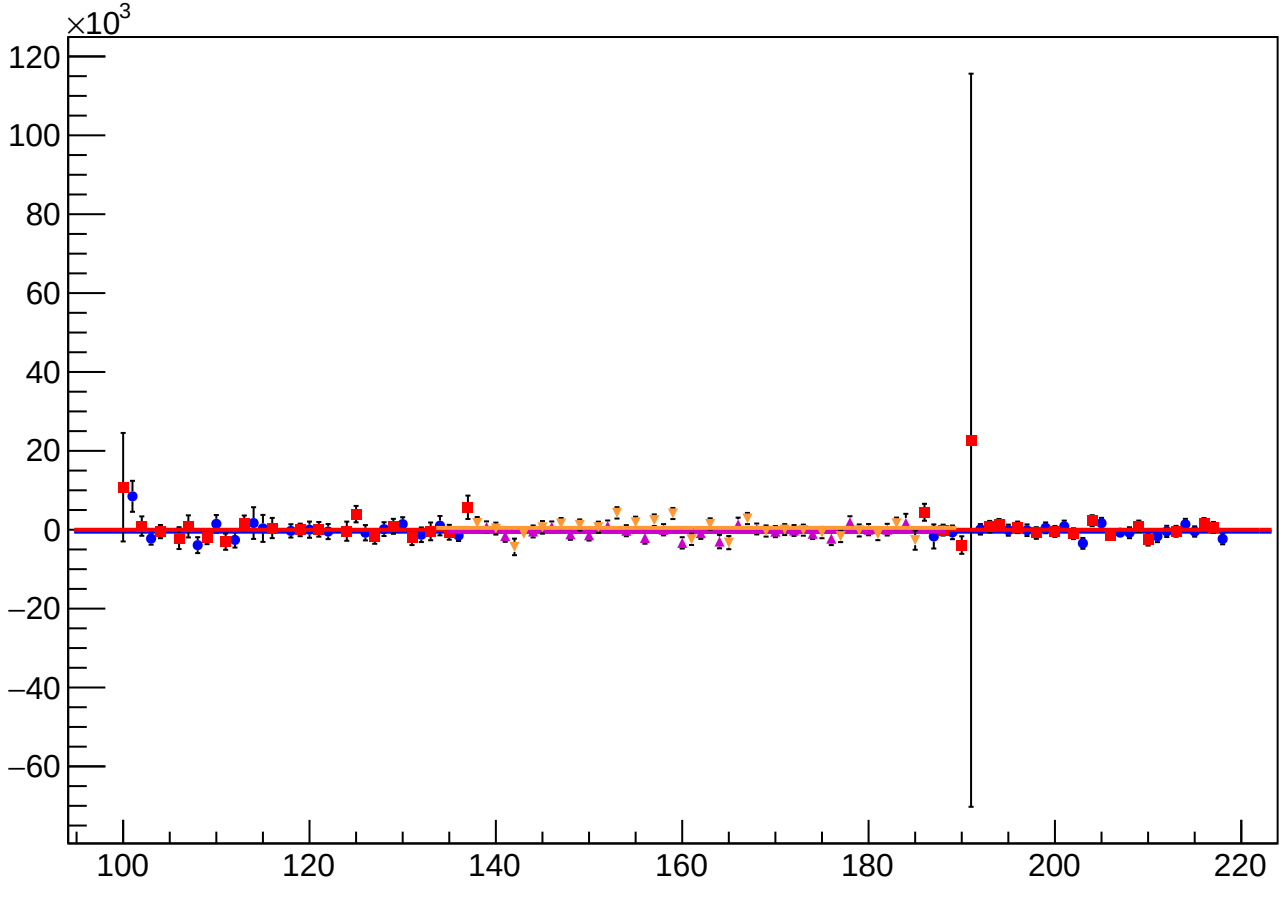
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4174.247+/-0.481 χ^2/NDF: 5911620.9/67

In: 4349.399+/-0.508 χ^2/NDF:3438188.1/54

Out: 4098.944+/-0.478 χ^2/NDF:5747522.7/60

All: 4216.334+/-0.348 χ^2/NDF: 9314638.0/11



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: -2.608+/-290.184 χ^2/NDF: 34.0/35

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

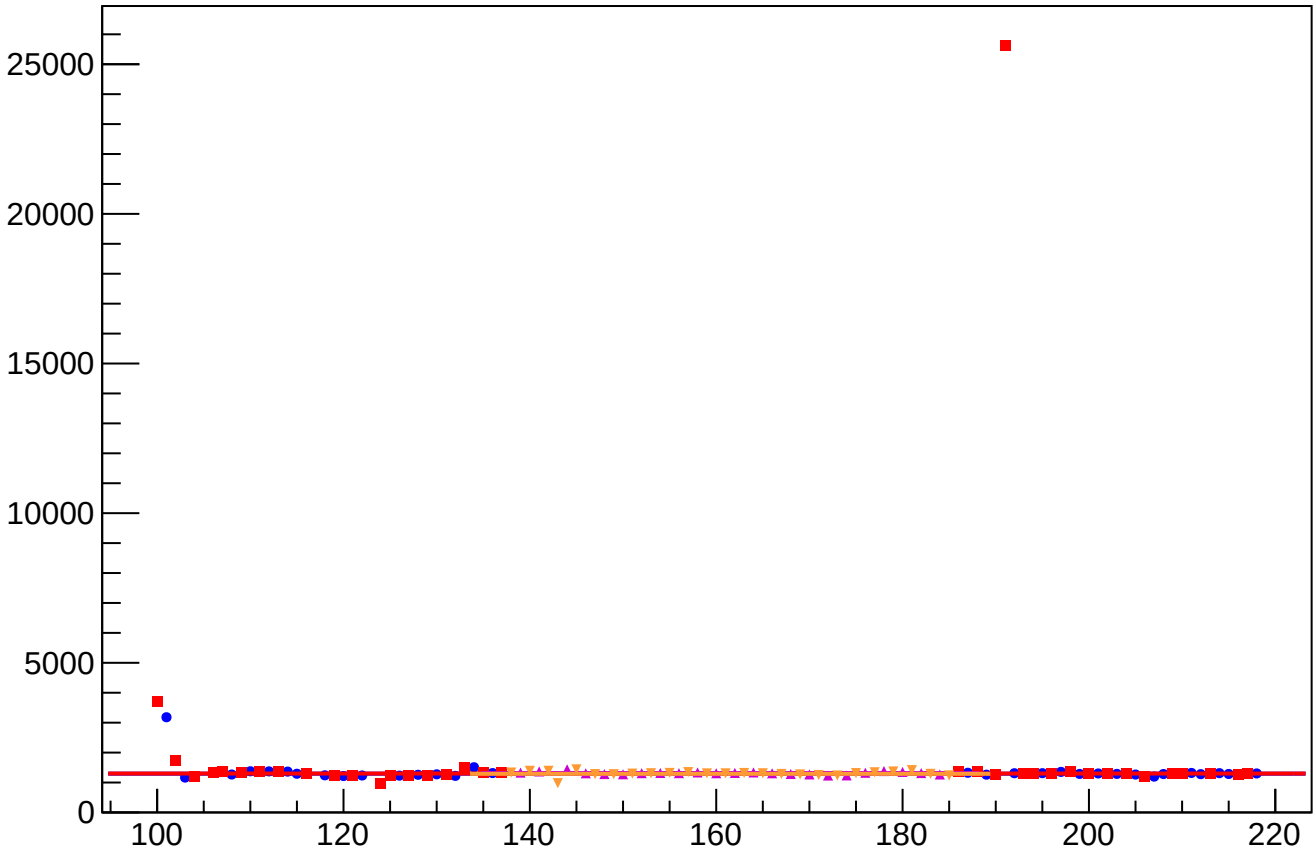
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -246.421+/-205.195 χ^2/NDF: 63.0/67

In: -496.529+/-210.907 χ^2/NDF:45.0/54

Out: 229.384+/-206.616 χ^2/NDF:79.4/60

All: -126.113+/-147.593 χ^2/NDF: 130.4/115



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: 1300.430+/-0.205 χ^2/NDF: 378990.3/35

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

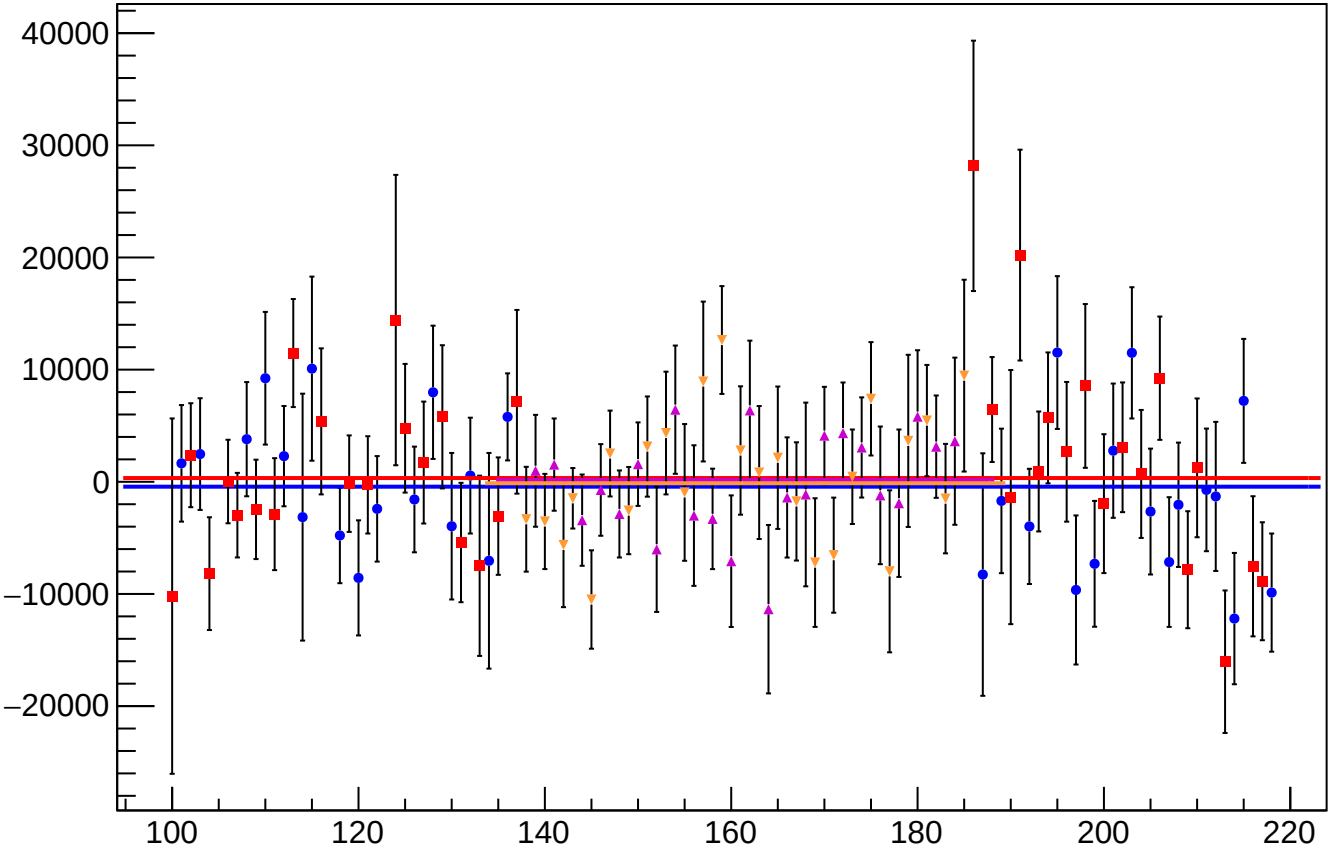
Right: 1297.806+/-0.145 χ^2/NDF: 909601.0/67

In: 1304.063+/-0.149 χ^2/NDF:577301.5/54

Out: 1295.886+/-0.146 χ^2/NDF:610723.1/60

All: 1299.890+/-0.104 χ^2/NDF: 1189558.8/11

asym_at1_avg_at2_avg_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: 334.961+/-934.371 χ^2/NDF: 48.3/35

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

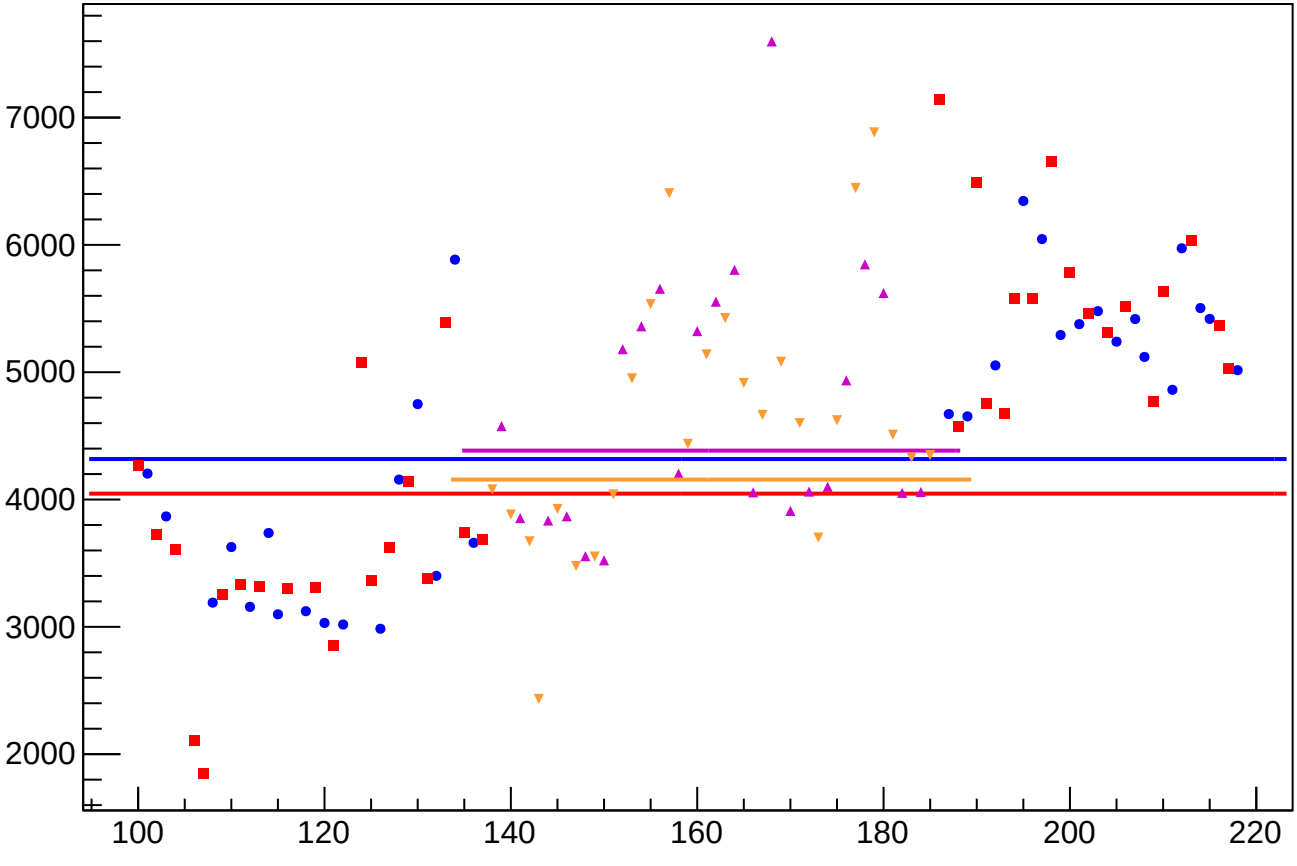
Right: -28.050+/-679.649 χ^2/NDF: 86.5/67

In: -154.330+/-719.018 χ^2/NDF:51.8/54

Out: 114.204+/-675.344 χ^2/NDF:77.0/60

All: -11.660+/-492.256 χ^2/NDF: 128.9/115

asym_at1_avg_at2_avg_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: 4046.245+/-0.661 χ^2/NDF: 3653475.0/35

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

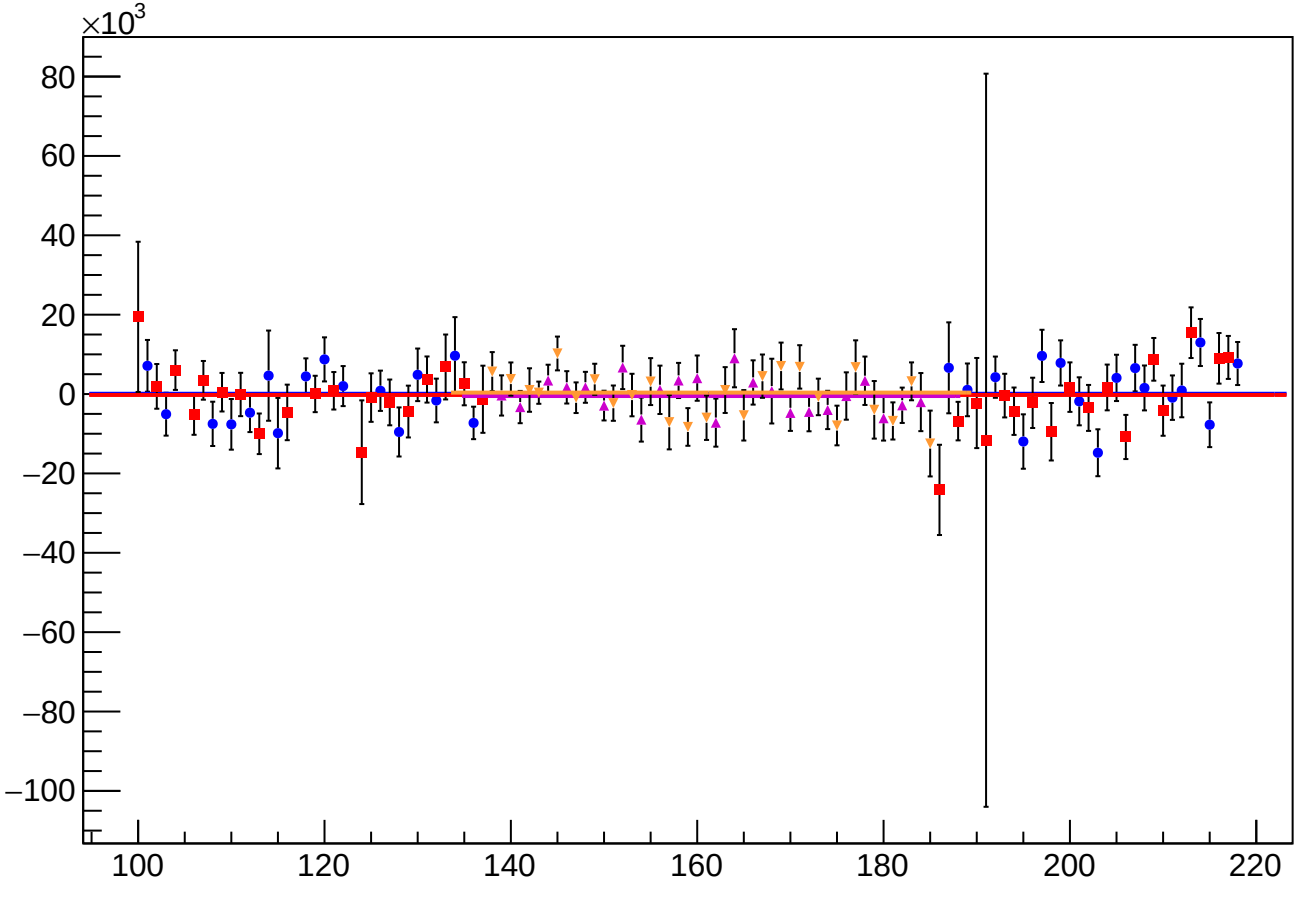
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4174.242+/-0.481 χ^2/NDF: 5911697.1/67

In: 4349.400+/-0.508 χ^2/NDF:3438232.7/54

Out: 4098.944+/-0.478 χ^2/NDF:5747565.0/60

All: 4216.335+/-0.348 χ^2/NDF: 9314725.6/11



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: -228.319+/-1008.085 χ^2/NDF: 38.7/35

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

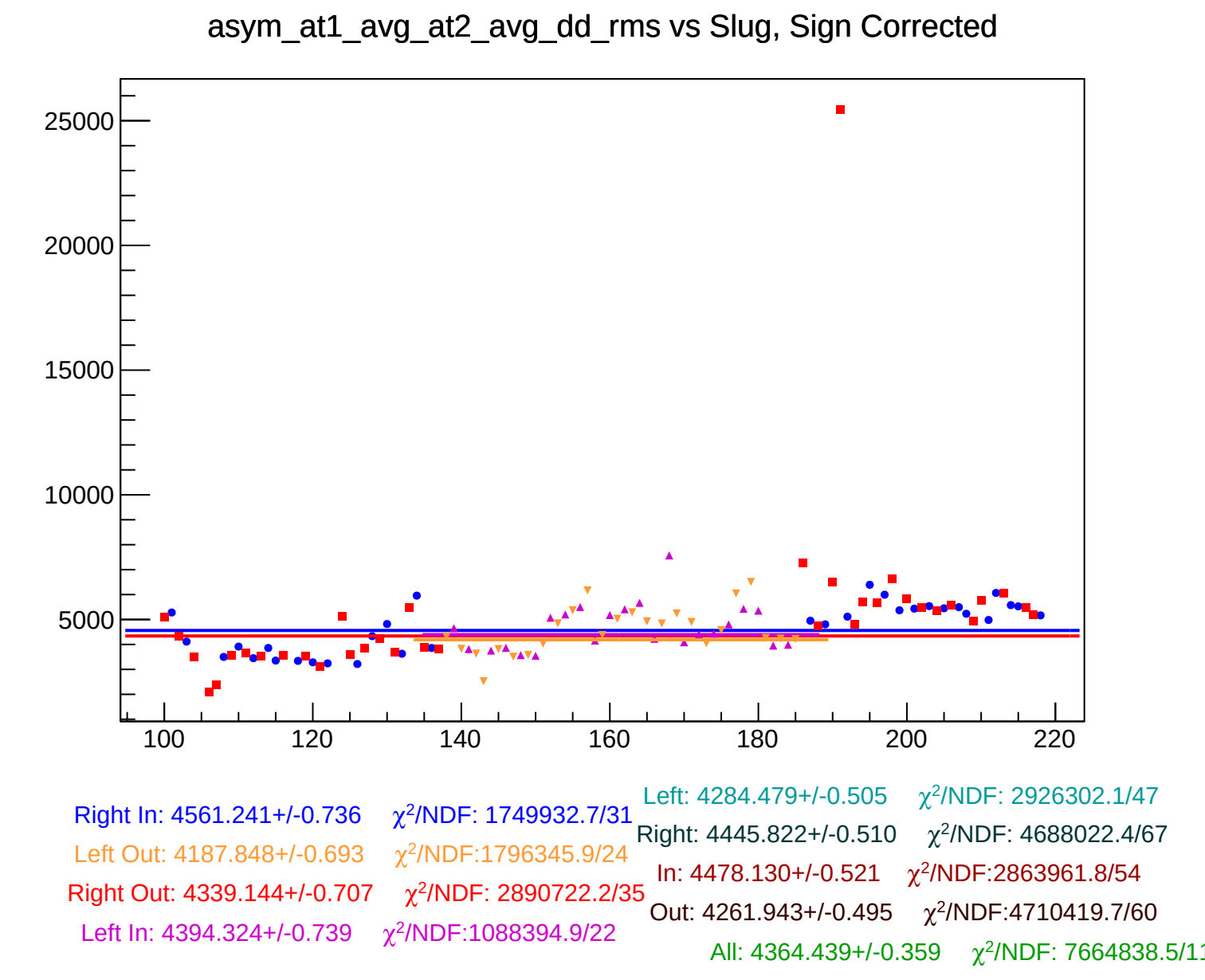
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

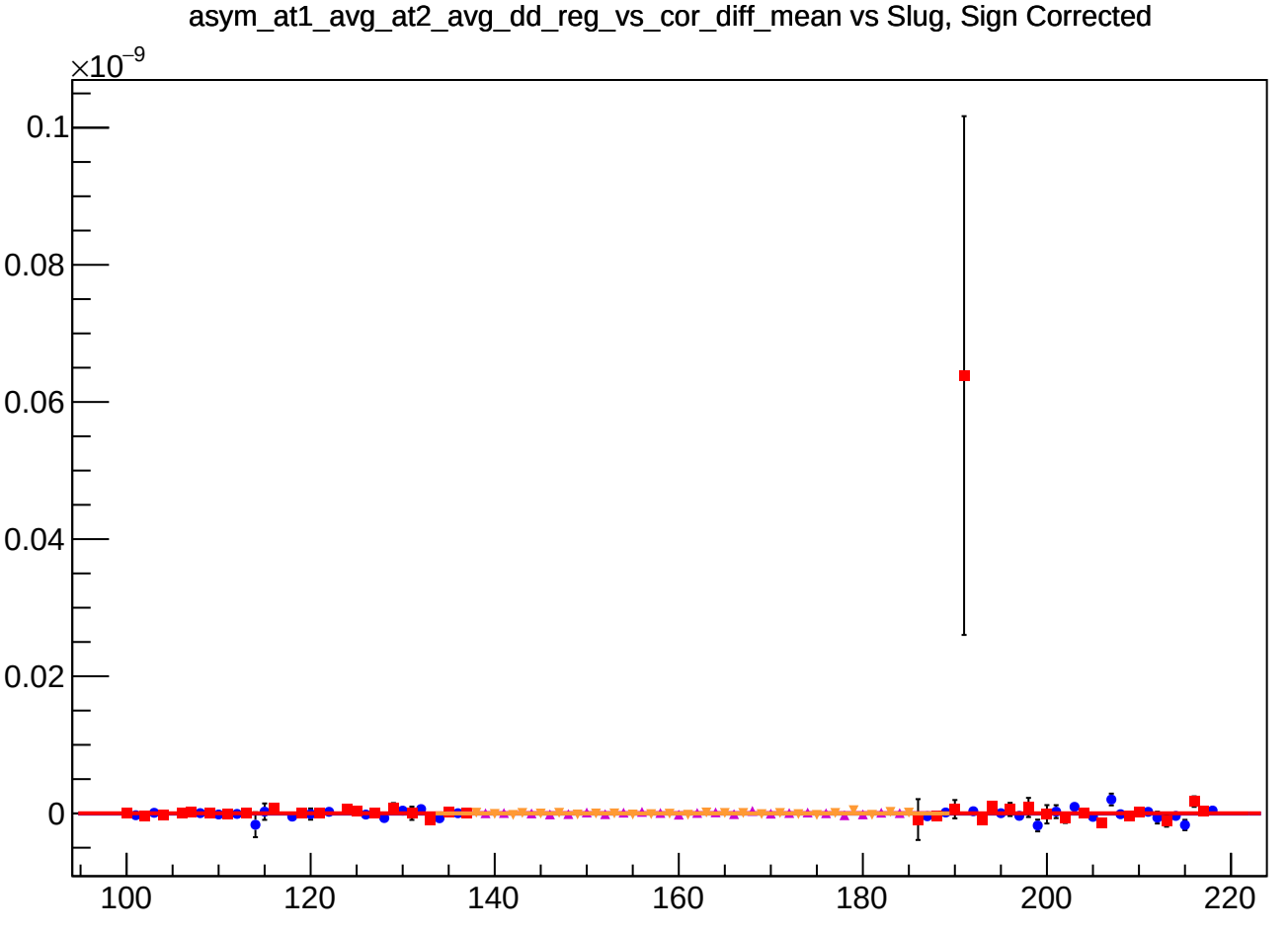
Right: -83.763+/-723.968 χ^2/NDF: 82.1/67

In: -212.480+/-737.181 χ^2/NDF:57.4/54

Out: 75.492+/-702.632 χ^2/NDF:66.5/60

All: -61.588+/-508.611 χ^2/NDF: 124.0/115


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: 4339.144+/-0.707 χ²/NDF: 2890722.2/35
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4445.822+/-0.510 χ²/NDF: 4688022.4/67
In: 4478.130+/-0.521 χ²/NDF:2863961.8/54
Out: 4261.943+/-0.495 χ²/NDF:4710419.7/60
All: 4364.439+/-0.359 χ²/NDF: 7664838.5/11



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: 40.5/35

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

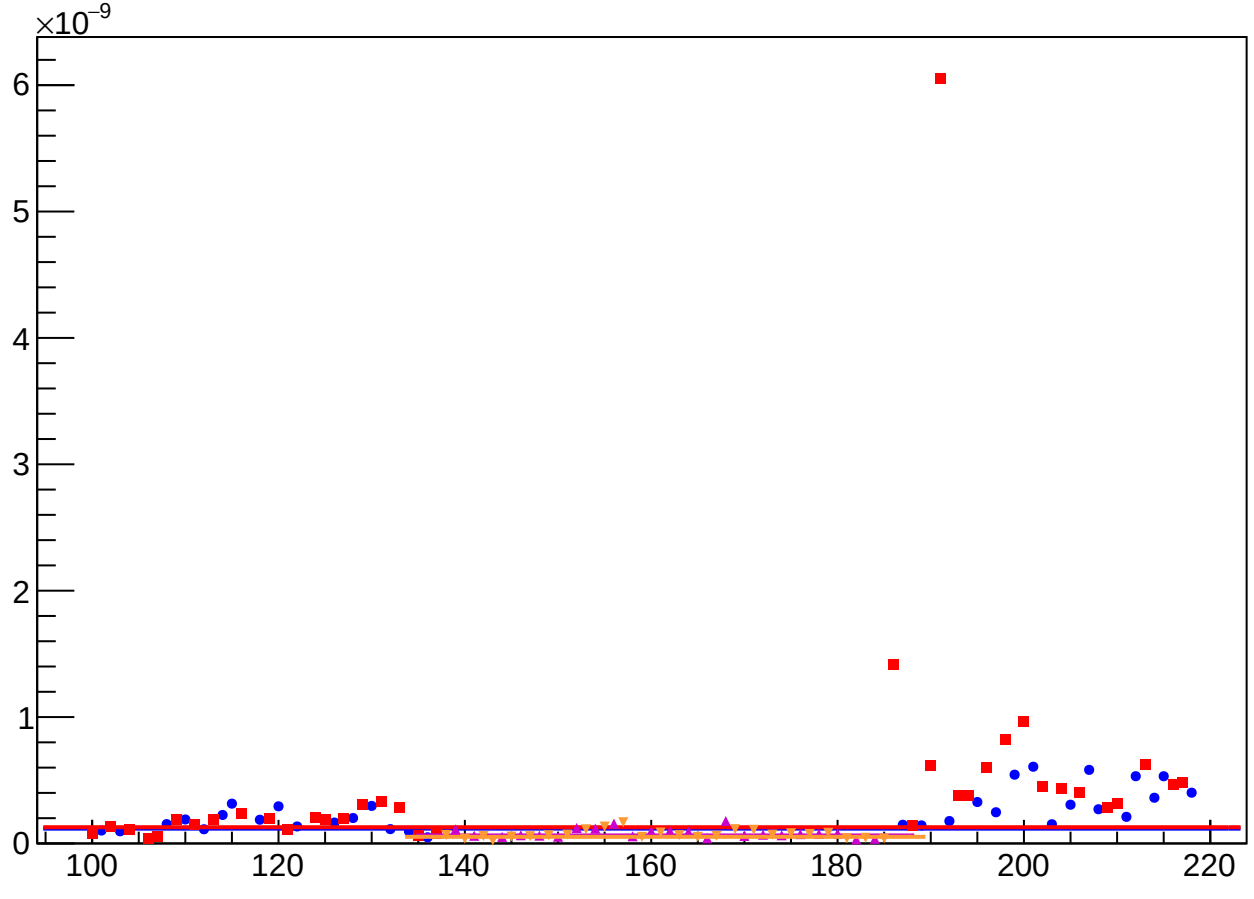
Right: -0.000+/-0.000 χ^2/NDF: 81.8/67

In: 0.000+/-0.000 χ^2/NDF:58.6/54

Out: -0.000+/-0.000 χ^2/NDF:71.1/60

All: 0.000+/-0.000 χ^2/NDF: 129.9/115

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 8366184.2/35

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

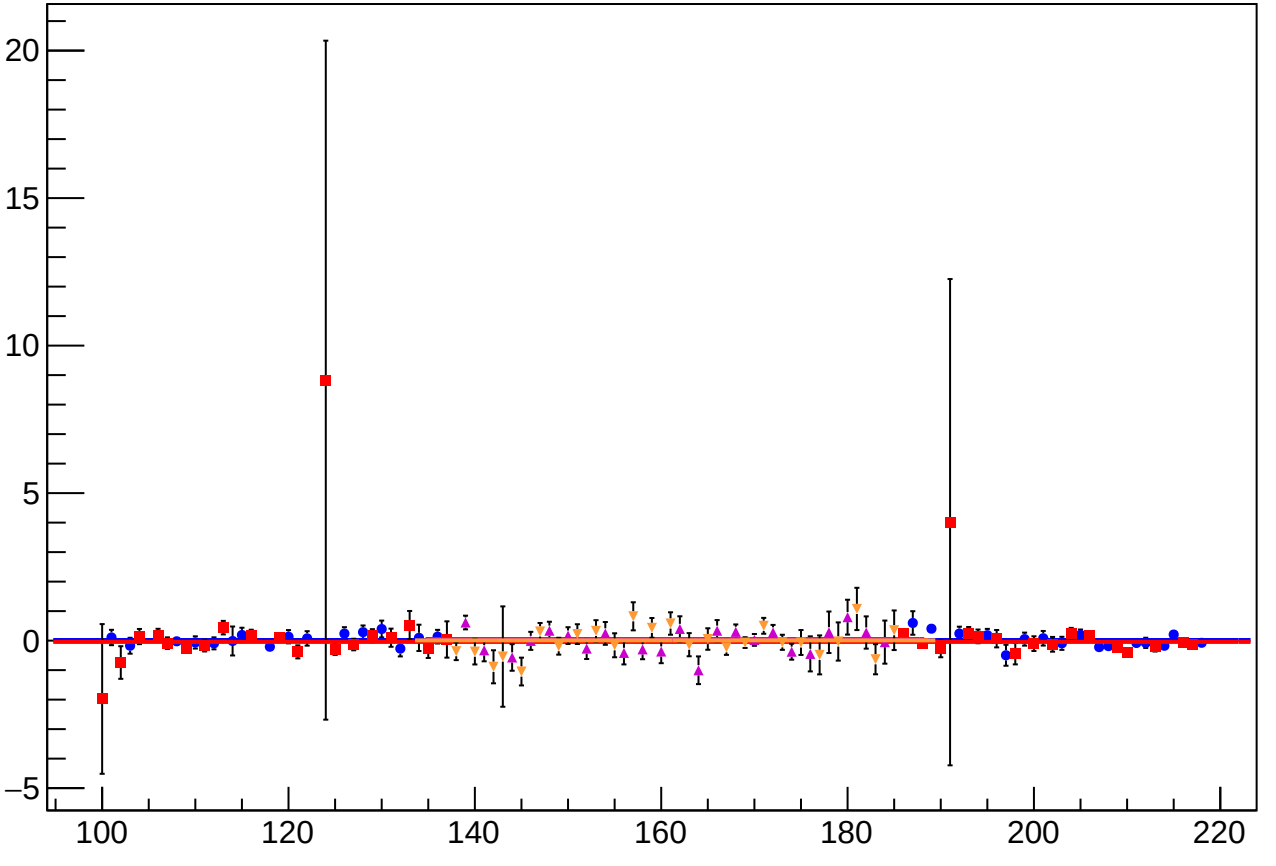
Right: 0.000+/-0.000 χ^2/NDF: 14674202.0/67

In: 0.000+/-0.000 χ^2/NDF:9663706.5/54

Out: 0.000+/-0.000 χ^2/NDF:13861253.1/60

All: 0.000+/-0.000 χ^2/NDF: 23805190.1/115

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

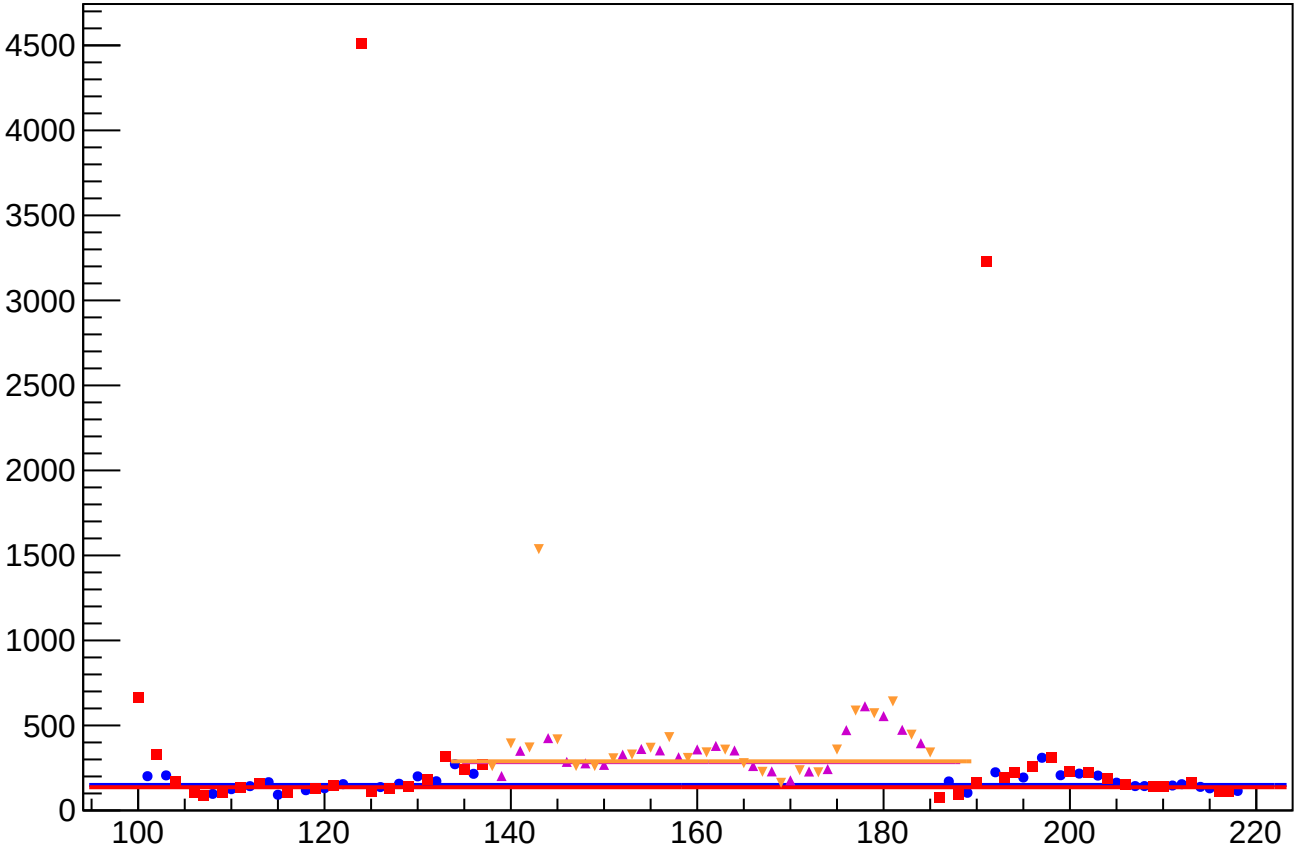
Right: -0.013+/-0.024 χ^2/NDF: 74.9/67

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.005+/-0.022 χ^2/NDF: 132.4/115

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: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

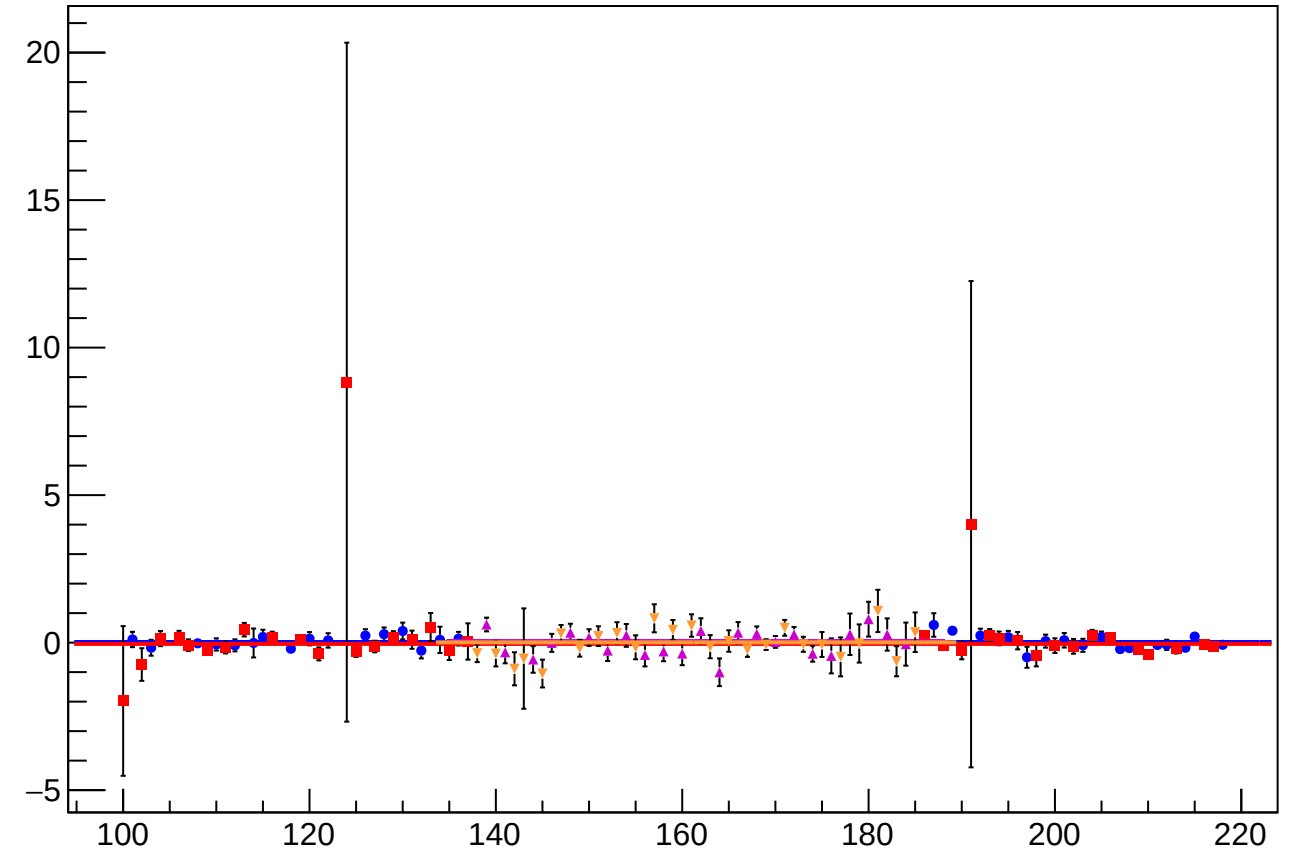
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 142.900+/-0.017 χ^2/NDF: 7581118.2/67

In: 176.910+/-0.022 χ^2/NDF:11415134.6/54

Out: 163.827+/-0.021 χ^2/NDF:17097934.1/60

All: 170.058+/-0.015 χ^2/NDF: 28693708.8/1



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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

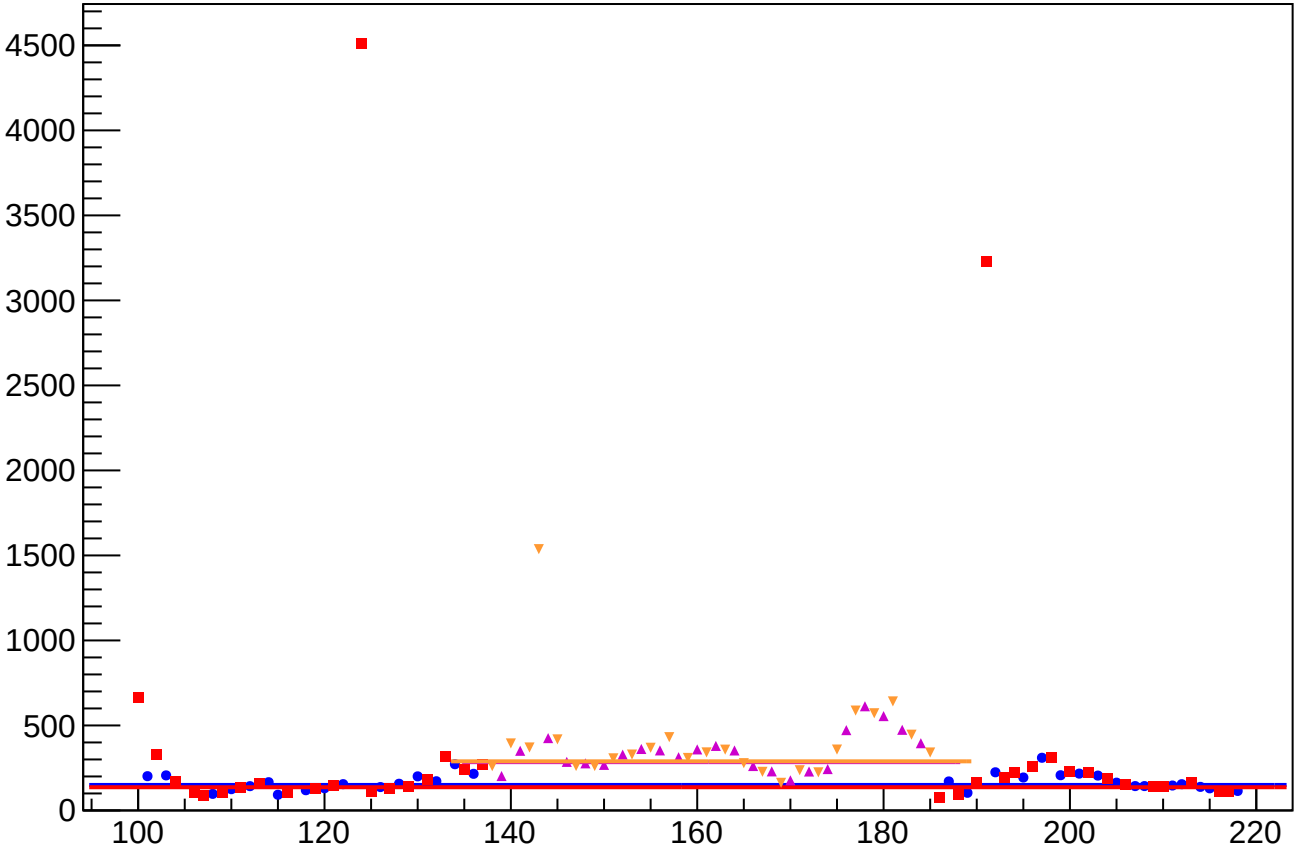
Right: -0.013+/-0.024 χ^2/NDF: 74.9/67

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.005+/-0.022 χ^2/NDF: 132.4/115

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: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

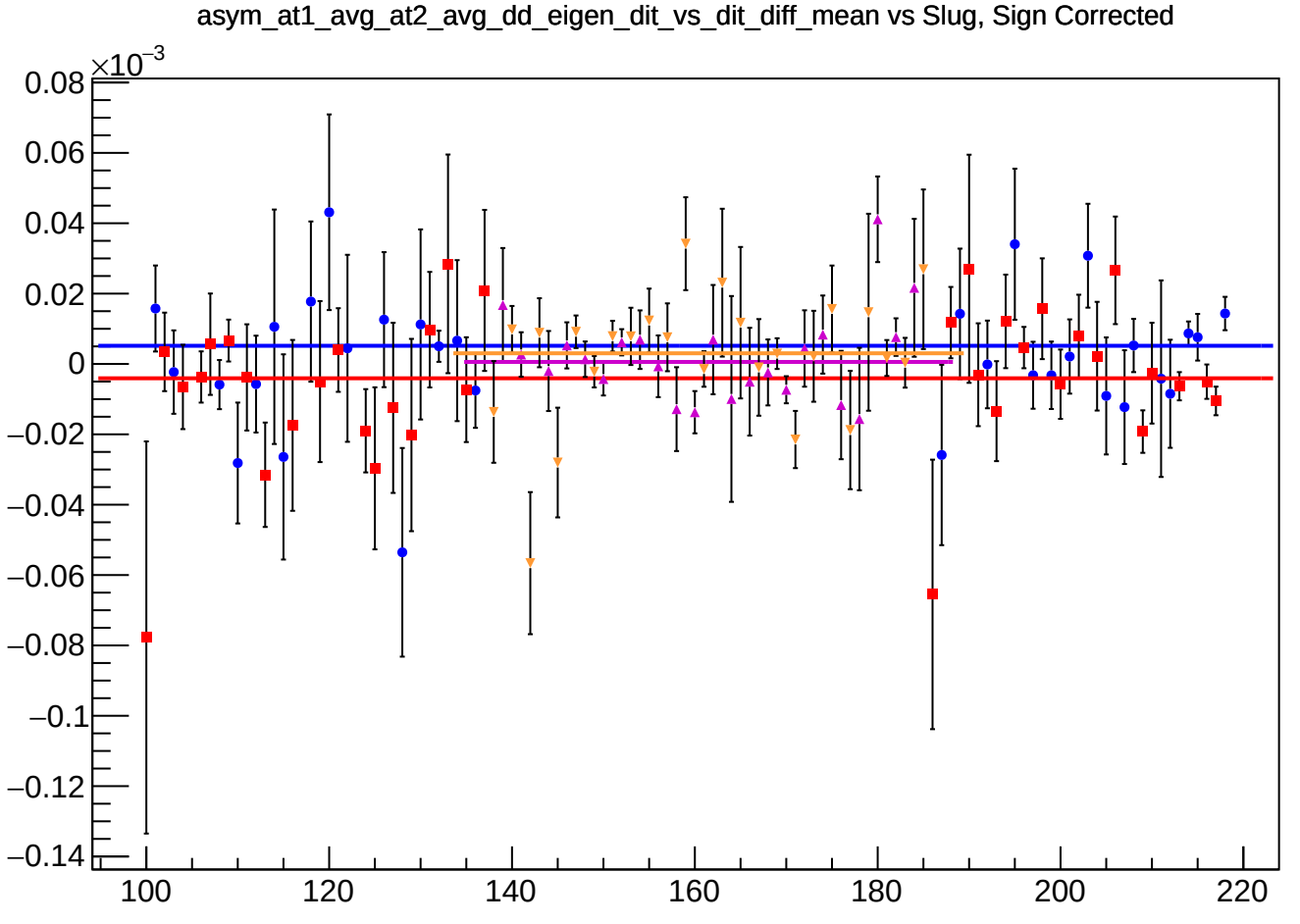
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 142.900+/-0.017 χ^2/NDF: 7581118.2/67

In: 176.910+/-0.022 χ^2/NDF:11415134.6/54

Out: 163.827+/-0.021 χ^2/NDF:17097934.1/60

All: 170.058+/-0.015 χ^2/NDF: 28693708.8/1



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: 42.8/35

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

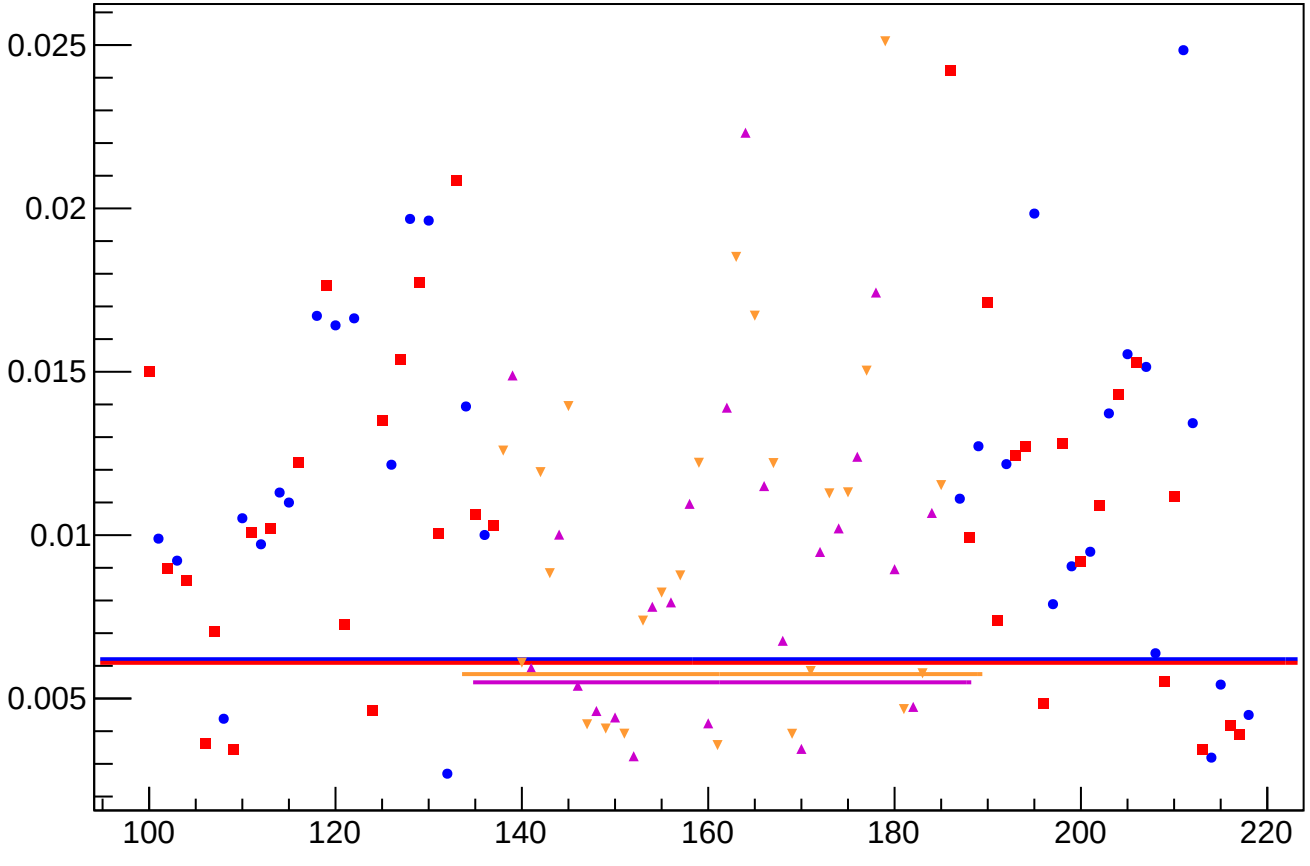
Right: 0.000+/-0.000 χ^2/NDF: 91.6/67

In: 0.000+/-0.000 χ^2/NDF:70.3/54

Out: -0.000+/-0.000 χ^2/NDF:95.4/60

All: 0.000+/-0.000 χ^2/NDF: 169.3/115

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: 9846323.4/35

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

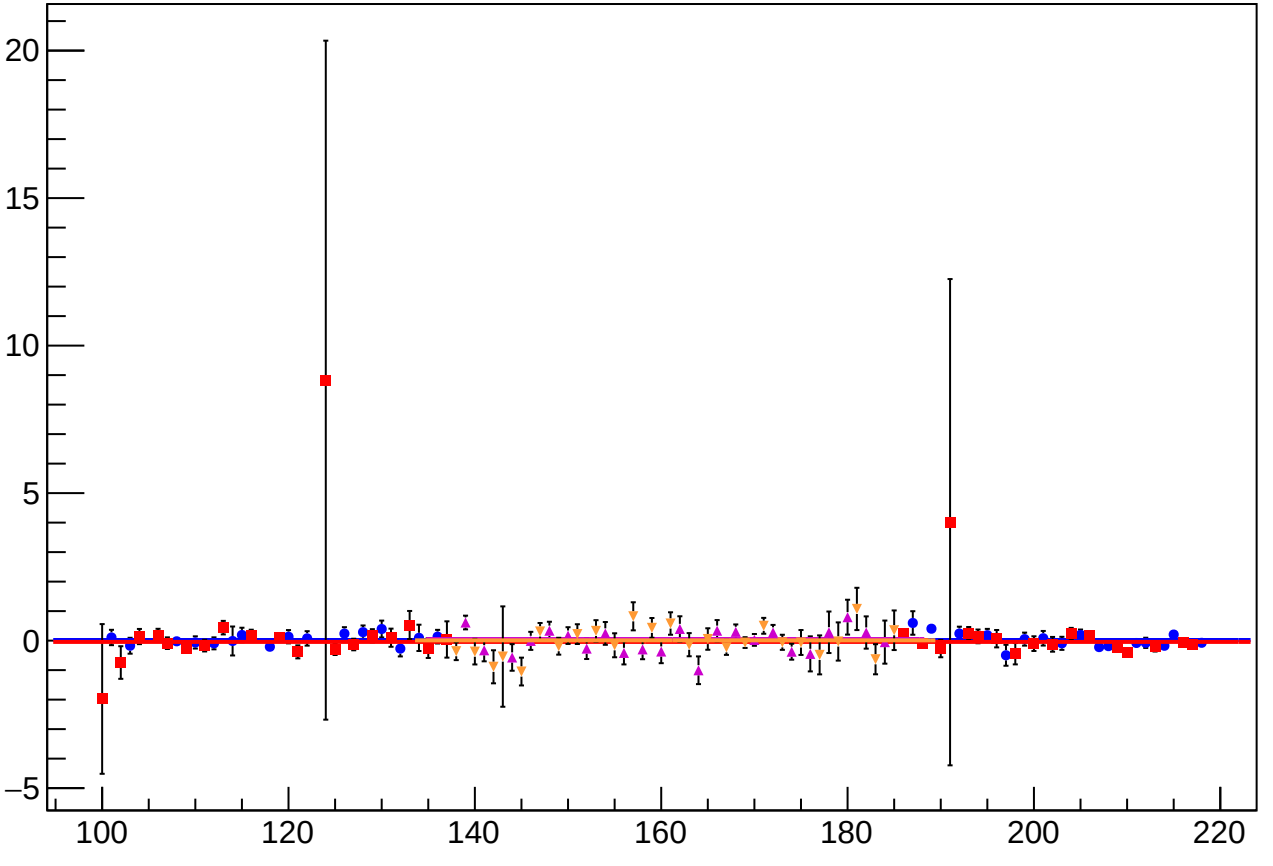
Right: 0.006+/-0.000 χ^2/NDF: 21467349.4/67

In: 0.006+/-0.000 χ^2/NDF:18747539.8/54

Out: 0.006+/-0.000 χ^2/NDF:18023890.7/60

All: 0.006+/-0.000 χ^2/NDF: 36779689.4/115

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

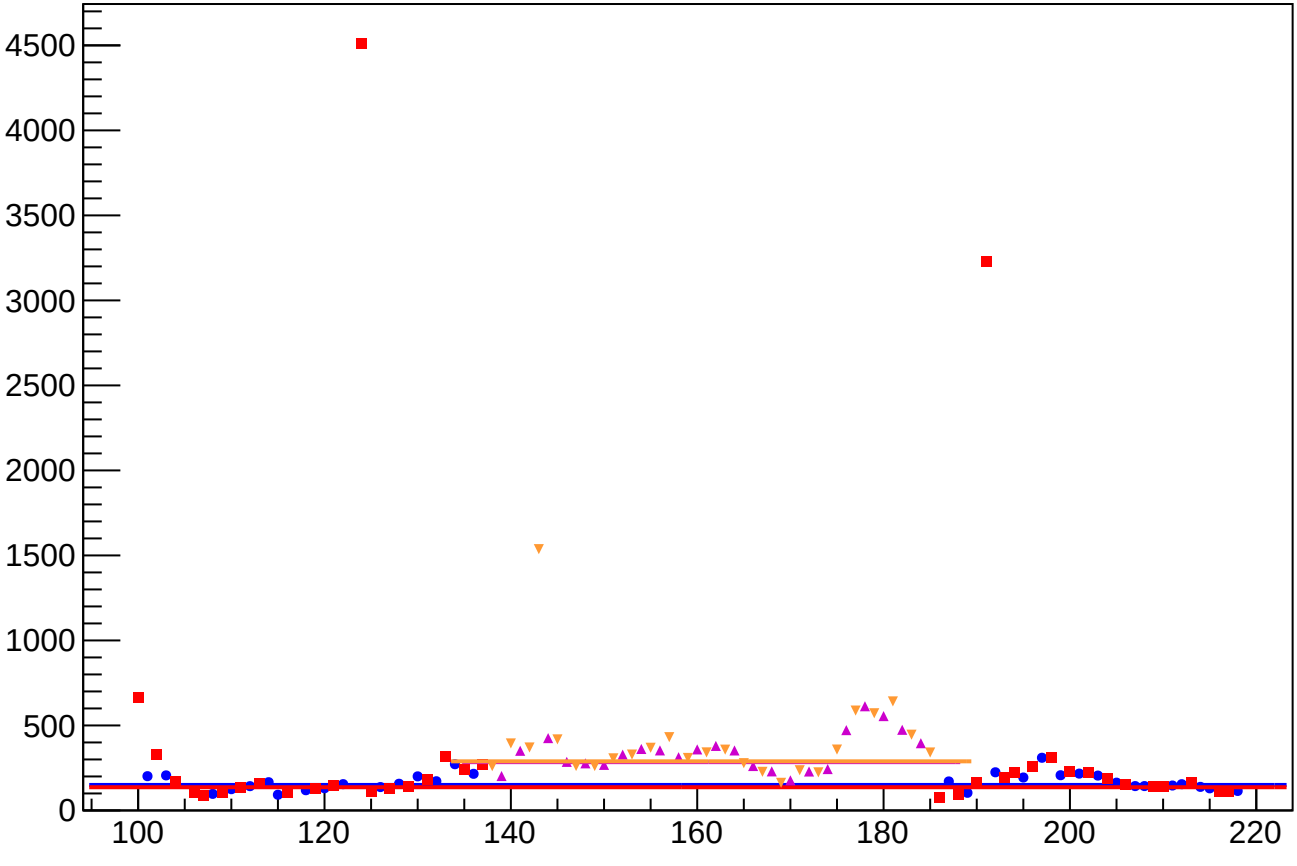
Right: -0.013+/-0.024 χ^2/NDF: 74.9/67

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.005+/-0.022 χ^2/NDF: 132.4/115

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: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

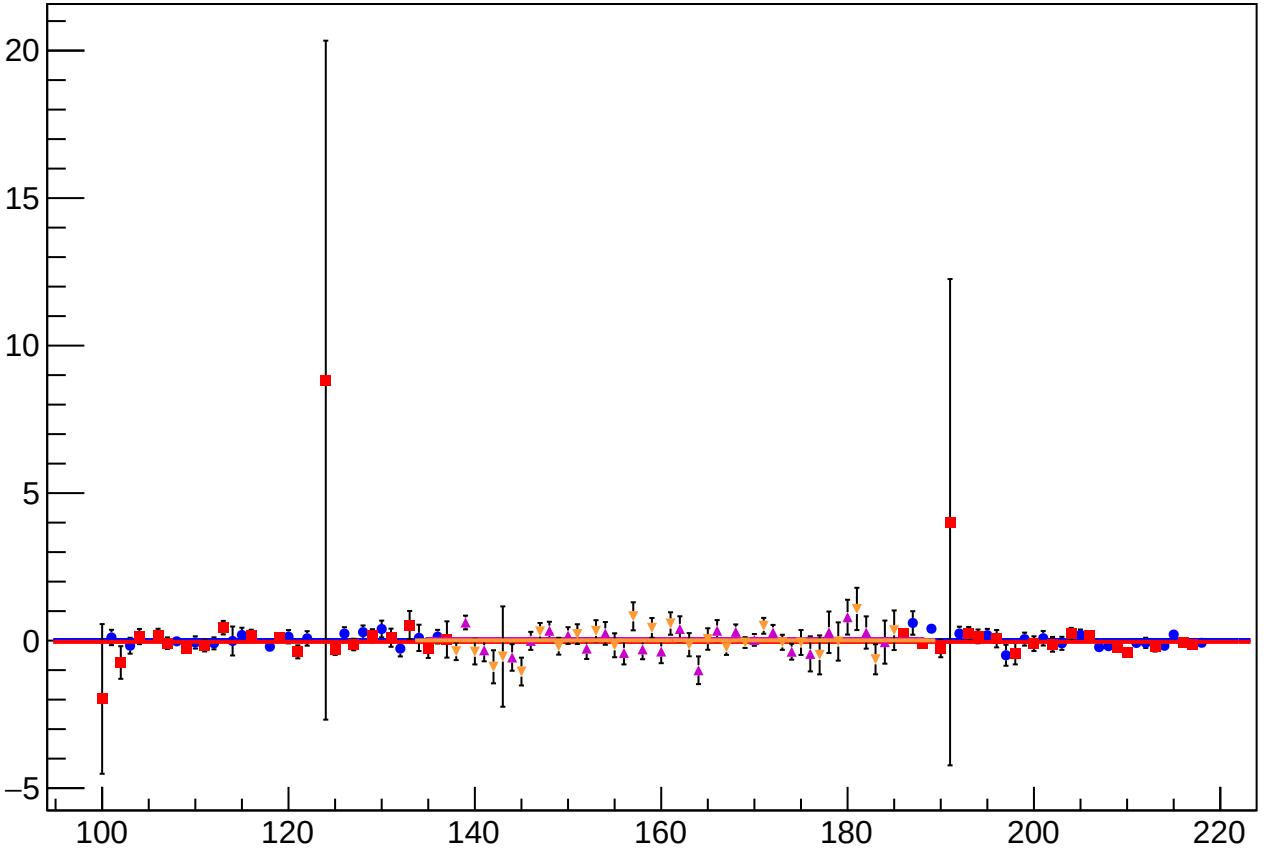
Right: 142.901+/-0.017 χ^2/NDF: 7580917.1/67

In: 176.911+/-0.022 χ^2/NDF:11415237.9/54

Out: 163.829+/-0.021 χ^2/NDF:17097764.6/60

All: 170.059+/-0.015 χ^2/NDF: 28693613.1/11

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

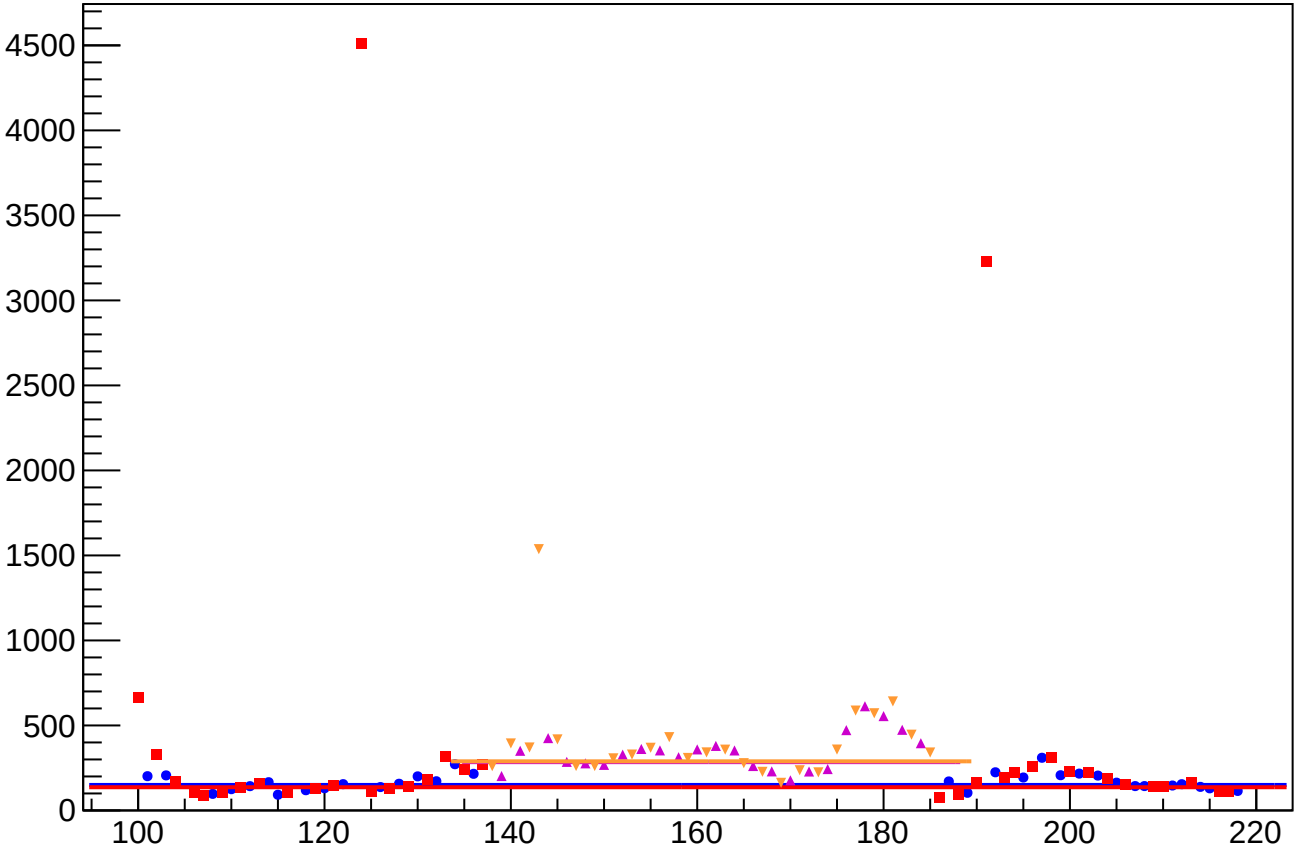
Right: -0.013+/-0.024 χ^2/NDF: 74.9/67

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.005+/-0.022 χ^2/NDF: 132.4/115

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: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

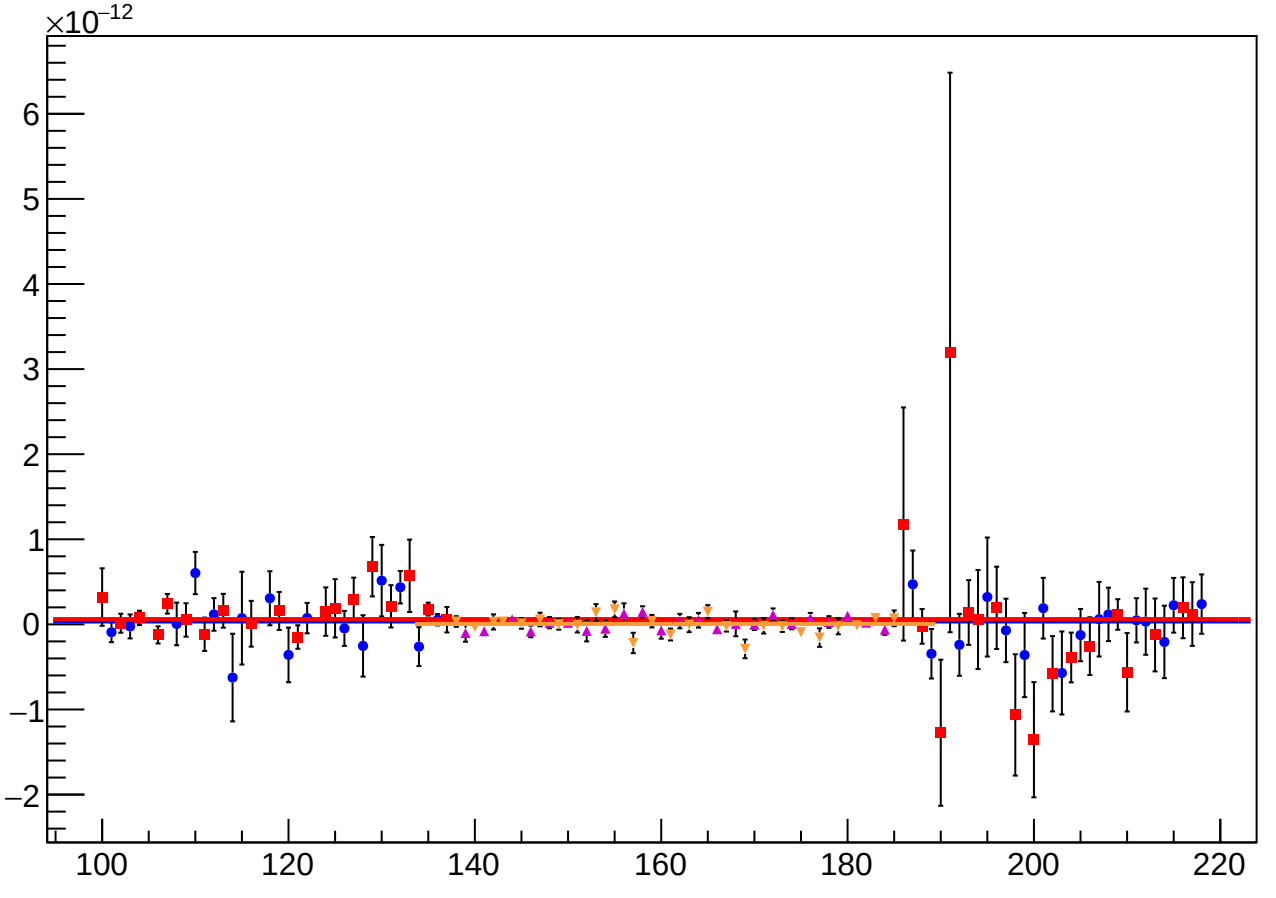
Right: 142.901+/-0.017 χ^2/NDF: 7580917.1/67

In: 176.911+/-0.022 χ^2/NDF:11415237.9/54

Out: 163.829+/-0.021 χ^2/NDF:17097764.6/60

All: 170.059+/-0.015 χ^2/NDF: 28693613.1/11

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: 37.5/35

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

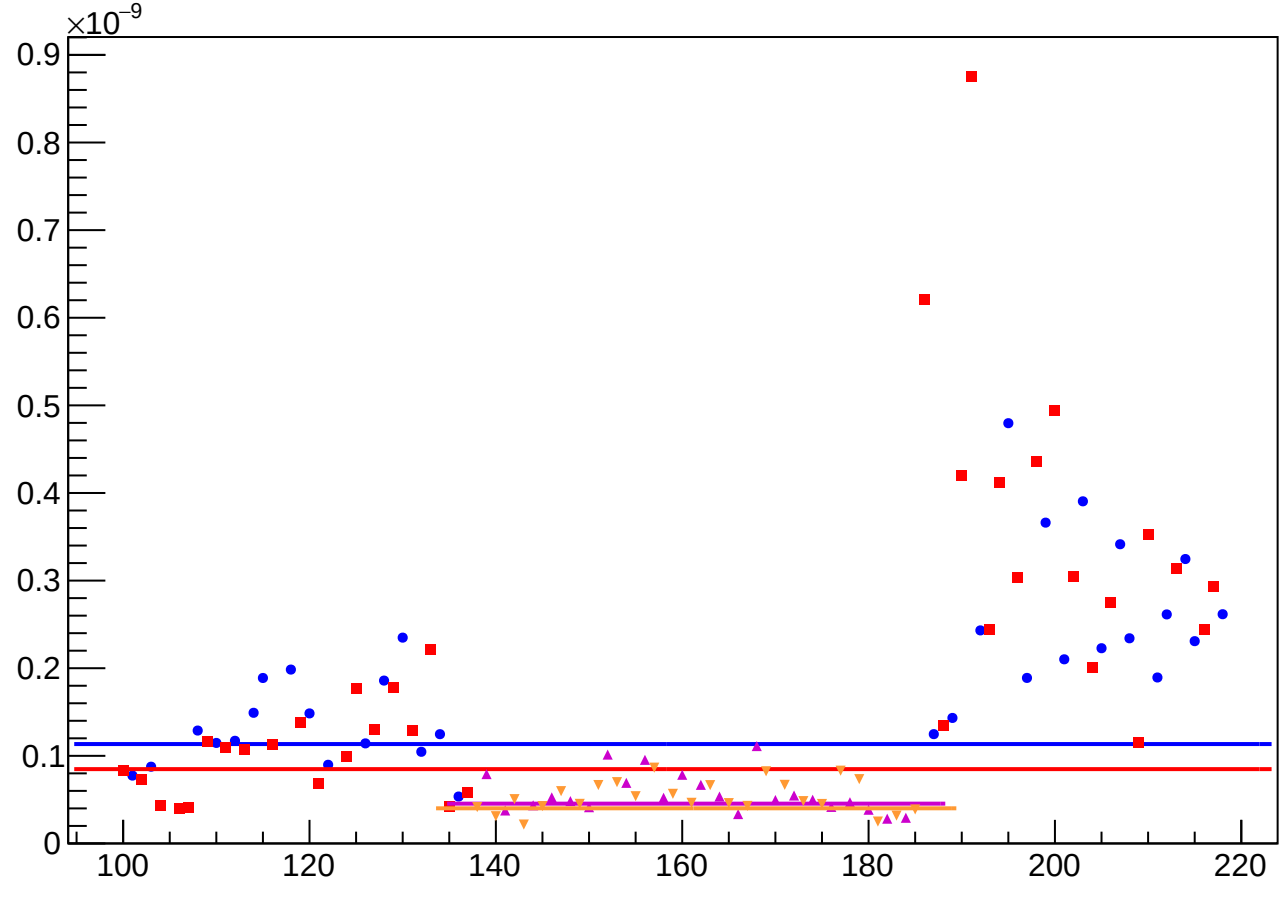
Right: 0.000+/-0.000 χ^2/NDF: 64.3/67

In: 0.000+/-0.000 χ^2/NDF:49.9/54

Out: 0.000+/-0.000 χ^2/NDF:74.4/60

All: 0.000+/-0.000 χ^2/NDF: 124.3/115

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: 10027189.5/35

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

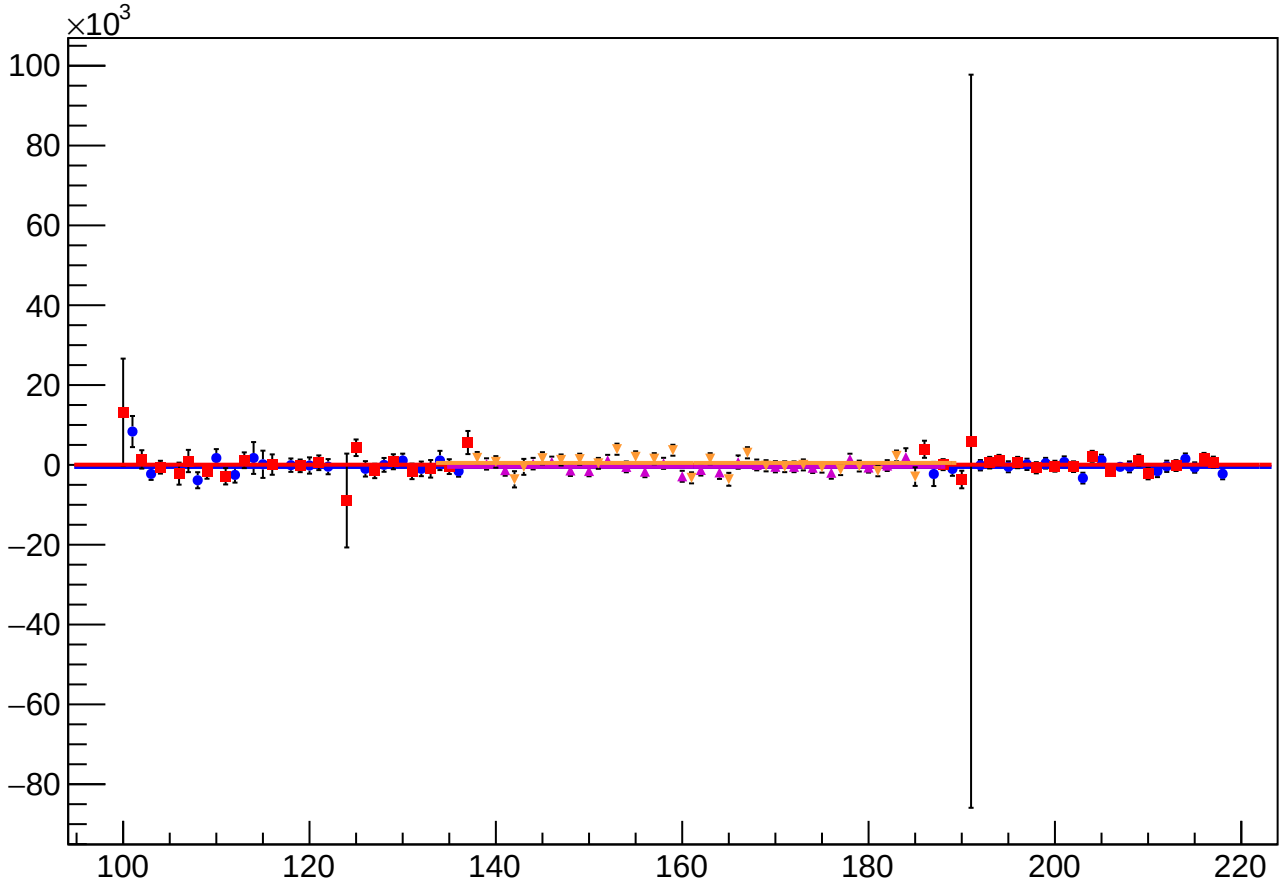
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17942073.6/67

In: 0.000+/-0.000 χ^2/NDF:15555334.9/54

Out: 0.000+/-0.000 χ^2/NDF:17053044.0/60

All: 0.000+/-0.000 χ^2/NDF: 32947237.8/115



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: 49.443+/-288.010 χ^2/NDF: 32.5/35

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

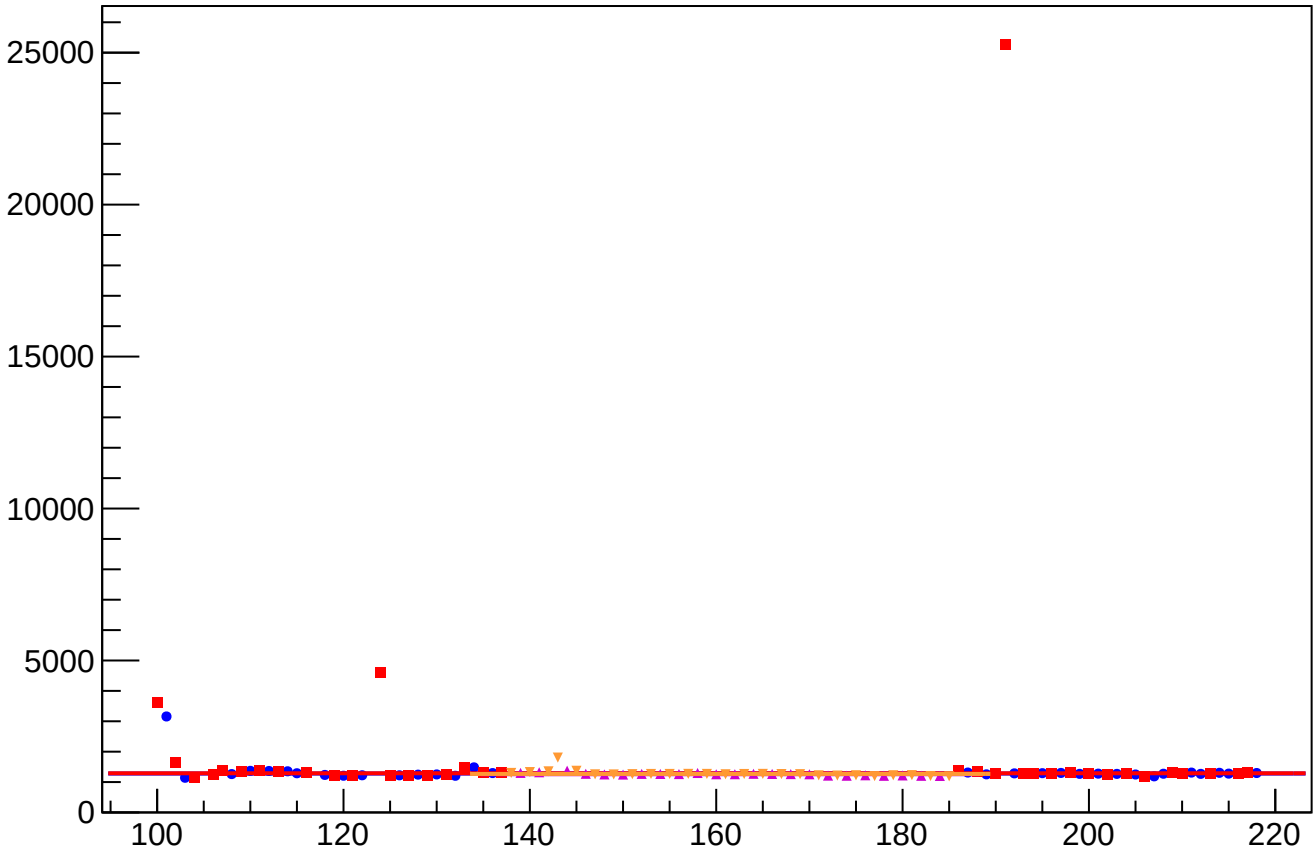
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -236.091+/-203.175 χ^2/NDF: 60.6/67

In: -503.282+/-205.167 χ^2/NDF:40.6/54

Out: 270.380+/-203.825 χ^2/NDF:80.5/60

All: -113.913+/-144.598 χ^2/NDF: 128.3/115



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: 1289.146+/-0.203 χ^2/NDF: 483324.7/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

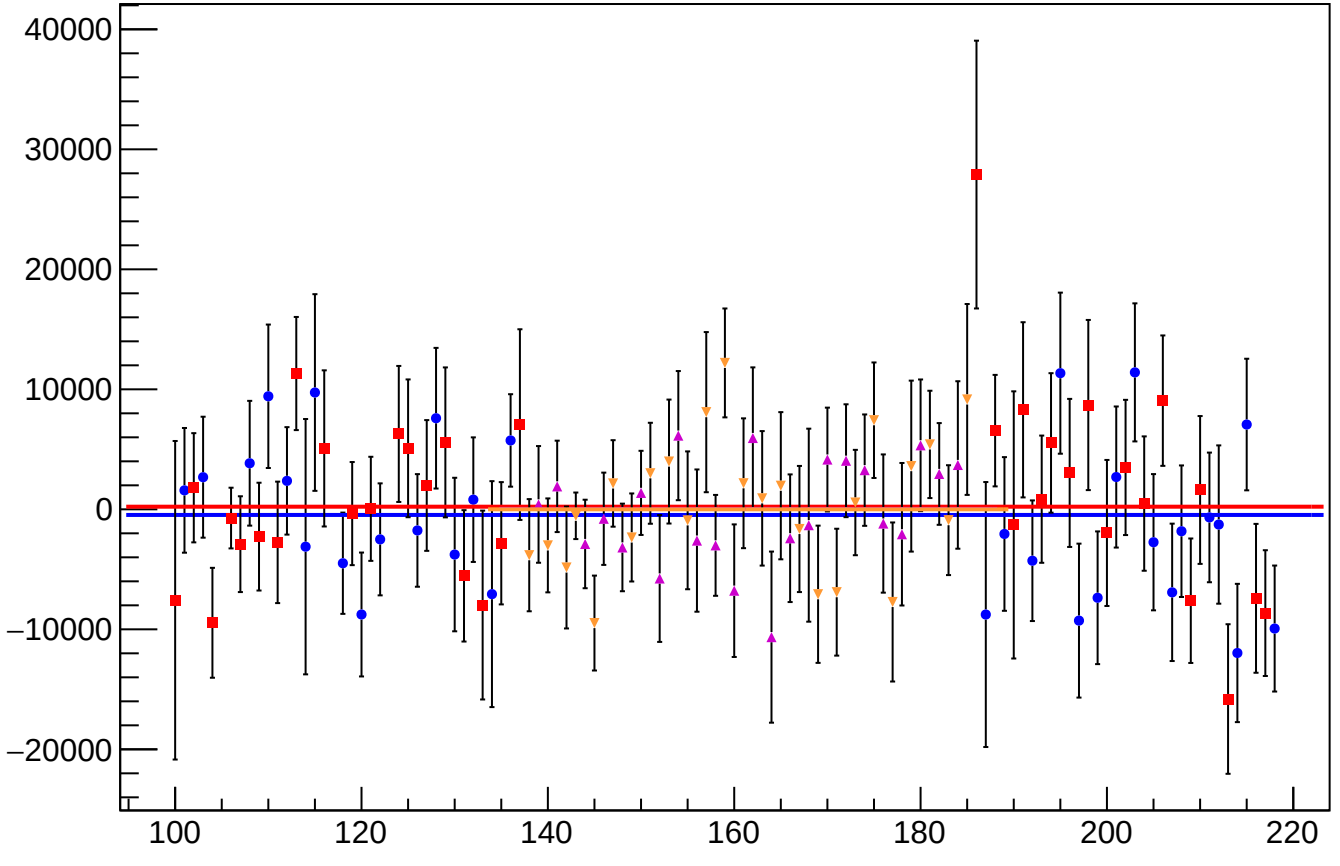
Right: 1284.315+/-0.144 χ^2/NDF: 1015066.1/67

In: 1268.805+/-0.145 χ^2/NDF:573163.6/54

Out: 1278.086+/-0.144 χ^2/NDF:676795.6/60

All: 1273.478+/-0.102 χ^2/NDF: 1252019.9/11

asym_atl1r2_dd_atl2r1_dd_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: 219.445+/-884.354 χ^2/NDF: 46.6/35

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

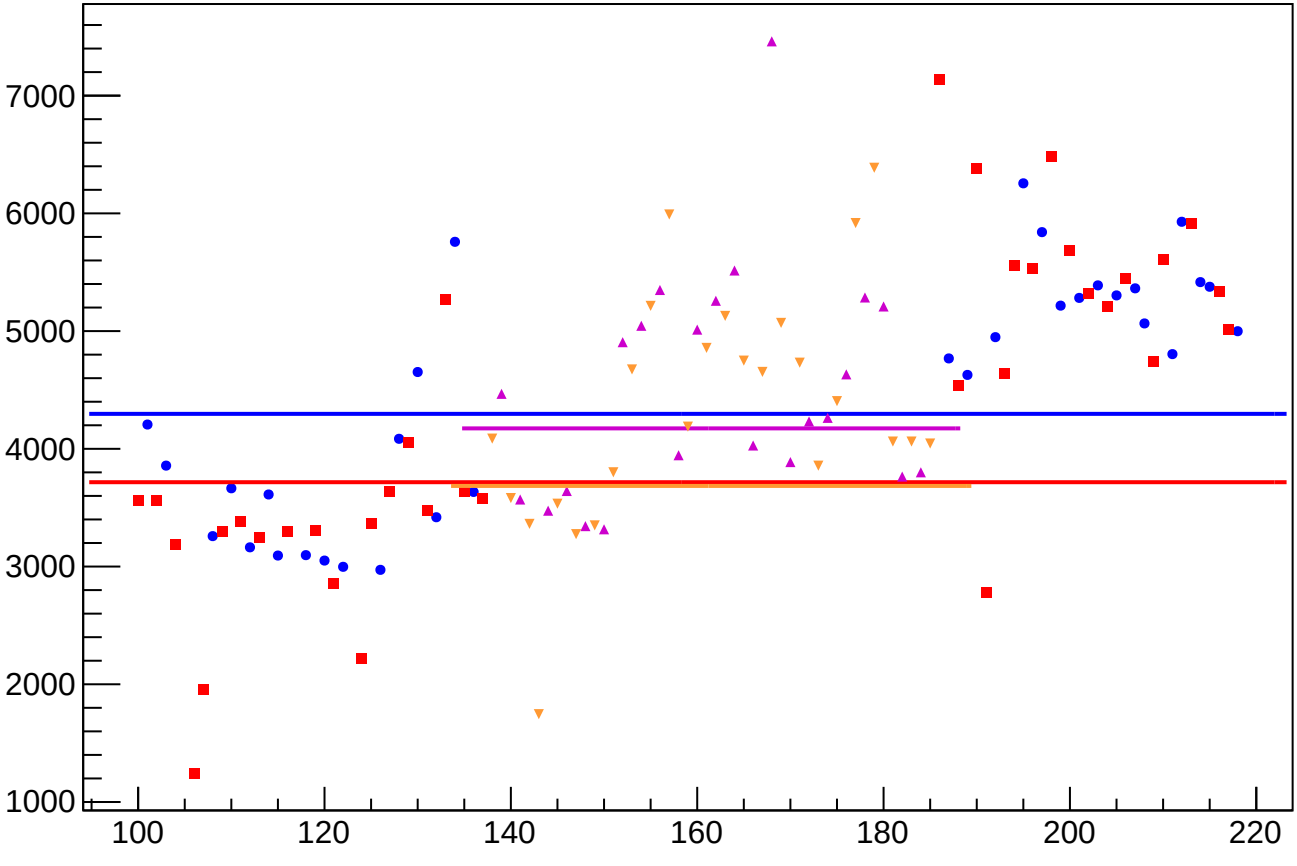
Right: -87.605+/-657.909 χ^2/NDF: 84.9/67

In: -221.013+/-699.963 χ^2/NDF:52.1/54

Out: 109.686+/-626.086 χ^2/NDF:75.7/60

All: -37.297+/-466.650 χ^2/NDF: 128.0/115

asym_atl1r2_dd_atl2r1_dd_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: 3716.449+/-0.625 χ^2/NDF: 5350706.1/35

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

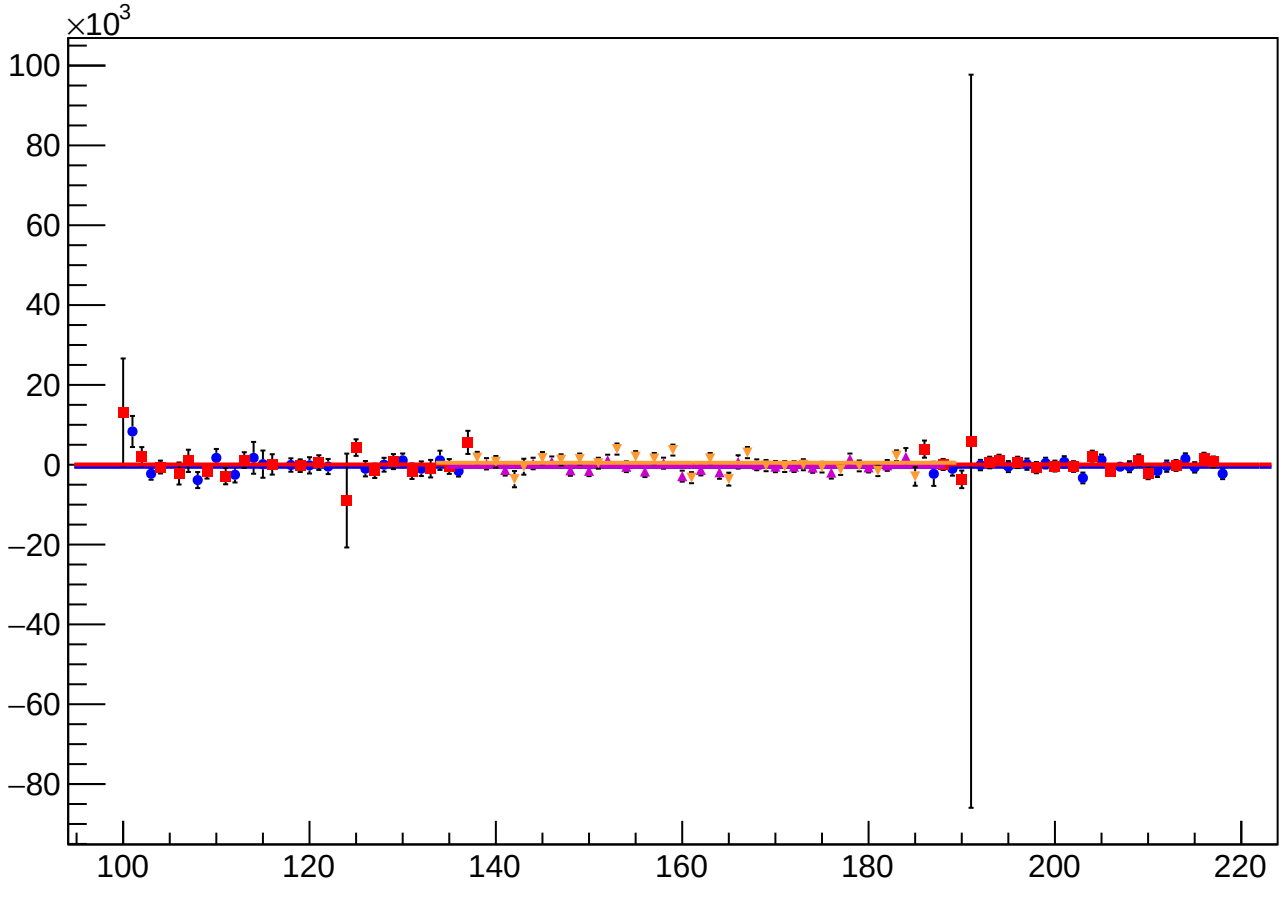
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3975.706+/-0.465 χ^2/NDF: 7811985.2/67

In: 4235.966+/-0.495 χ^2/NDF:3366885.3/54

Out: 3700.647+/-0.443 χ^2/NDF:9045633.0/60

All: 3938.575+/-0.330 χ^2/NDF: 13062379.5/1



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: 59.595+/-288.077 χ^2/NDF: 32.9/35

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

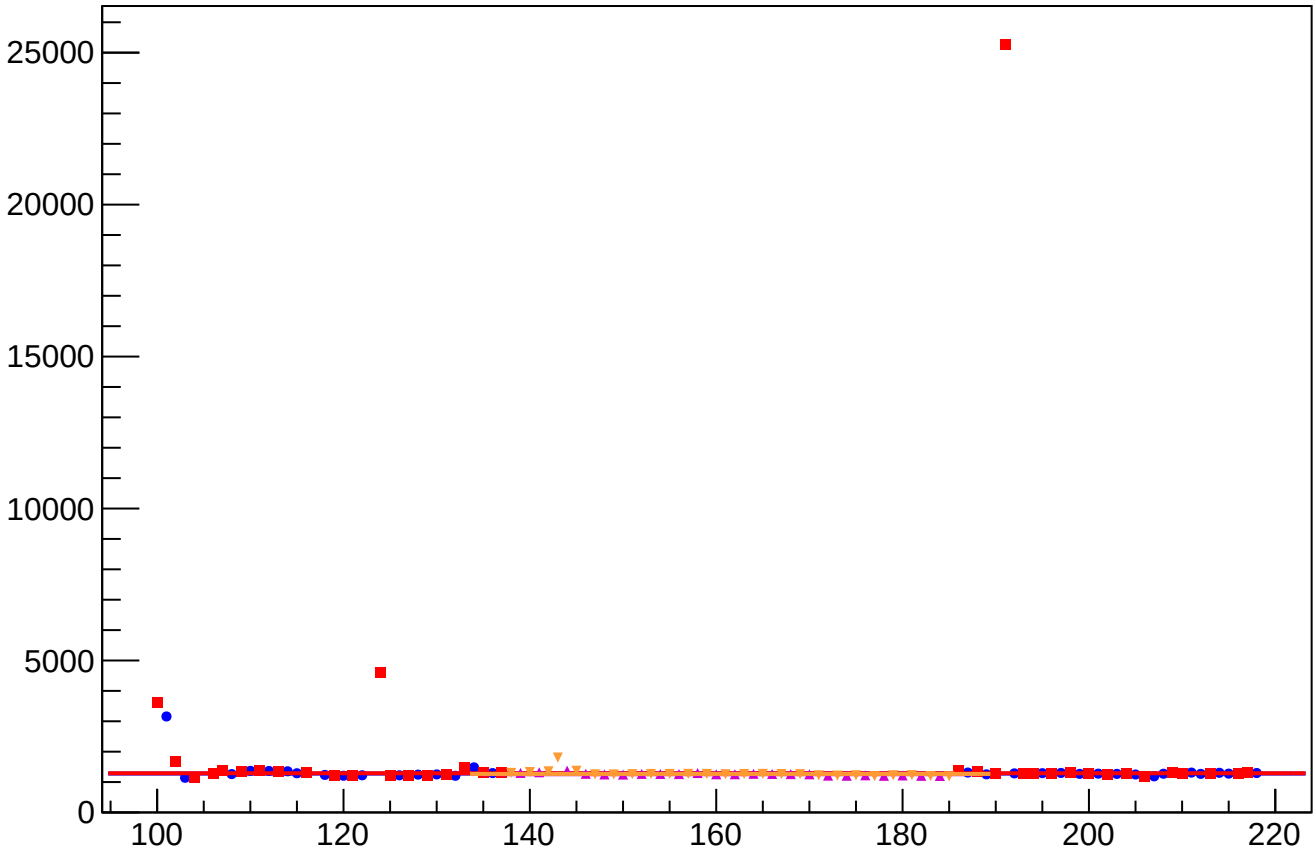
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -231.169+/-203.199 χ^2/NDF: 61.1/67

In: -503.297+/-205.167 χ^2/NDF:40.6/54

Out: 275.523+/-203.849 χ^2/NDF:80.9/60

All: -111.377+/-144.607 χ^2/NDF: 128.7/115



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: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

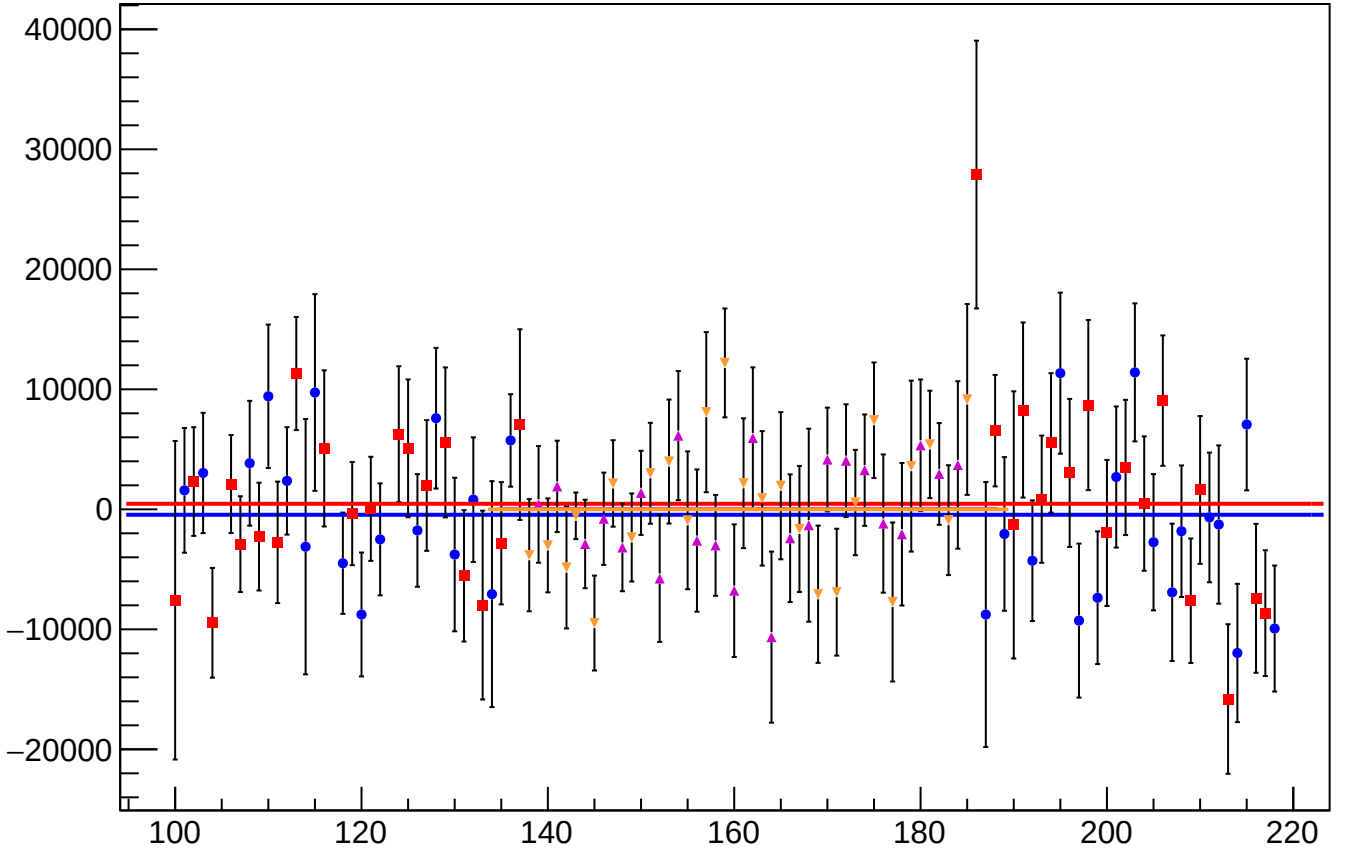
Right: 1284.660+/-0.144 χ^2/NDF: 1022114.5/67

In: 1268.805+/-0.145 χ^2/NDF:573165.0/54

Out: 1278.430+/-0.144 χ^2/NDF:684050.3/60

All: 1273.650+/-0.102 χ^2/NDF: 1259431.3/11

asym_atl1r2_dd_atl2r1_dd_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: 461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

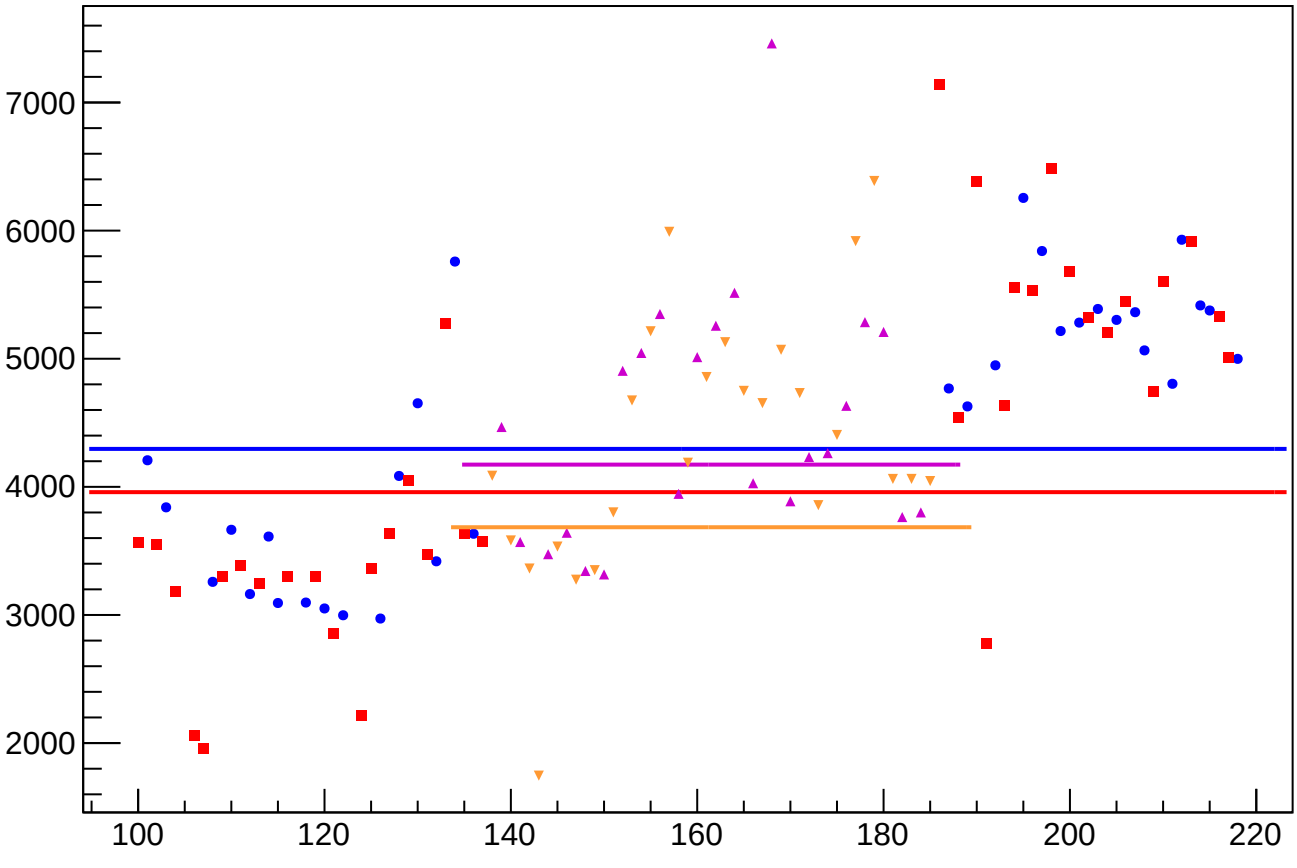
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 35.149+/-671.914 χ^2/NDF: 85.3/67

In: -213.635+/-699.895 χ^2/NDF:52.2/54

Out: 222.030+/-638.169 χ^2/NDF:75.9/60

All: 24.252+/-471.569 χ^2/NDF: 128.4/115



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: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

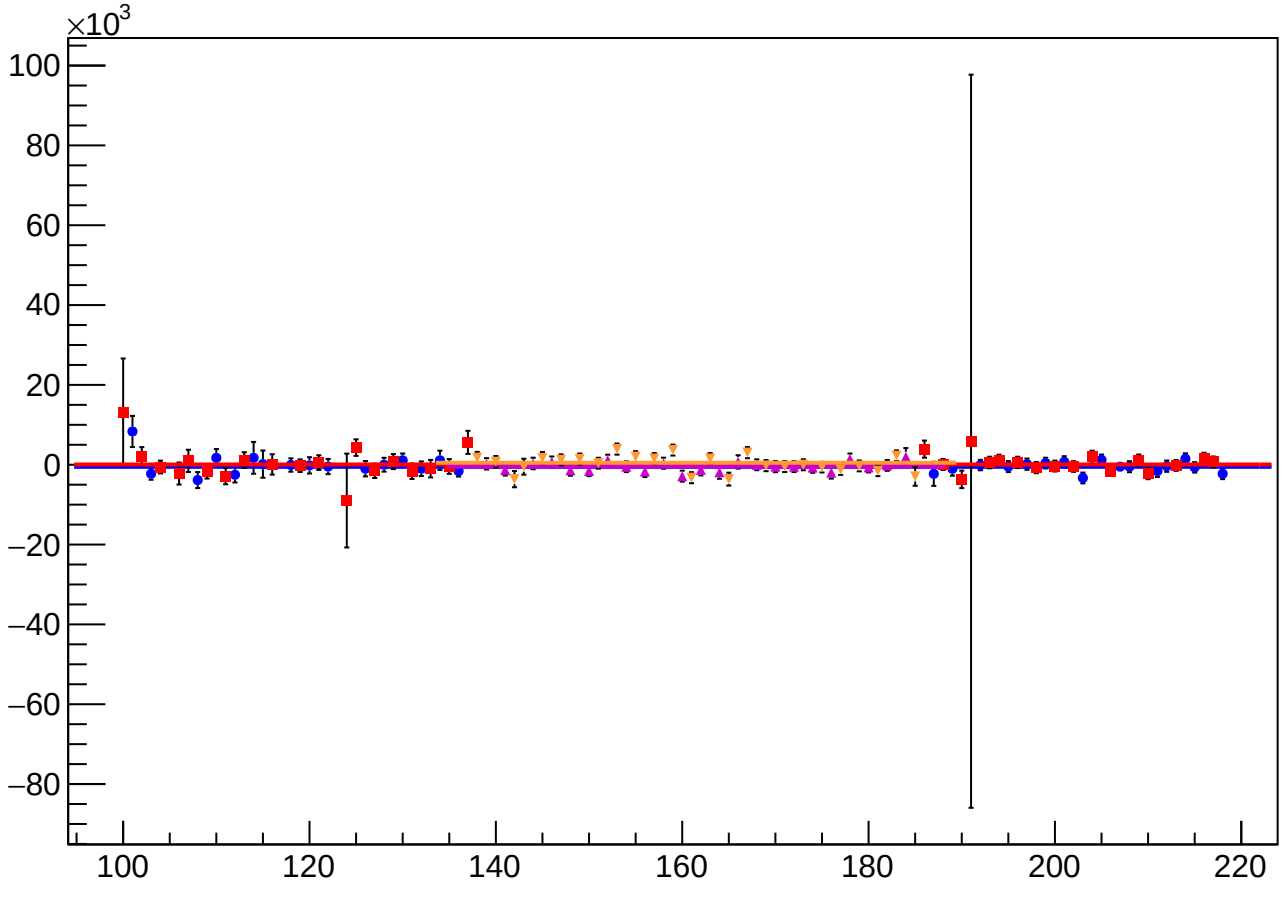
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4115.932+/-0.475 χ^2/NDF: 5830393.8/67

In: 4235.568+/-0.495 χ^2/NDF:3368069.4/54

Out: 3816.706+/-0.451 χ^2/NDF:7412674.7/60

All: 4006.855+/-0.333 χ^2/NDF: 11171878.2/1



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: 59.595+/-288.077 χ^2/NDF: 32.9/35

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

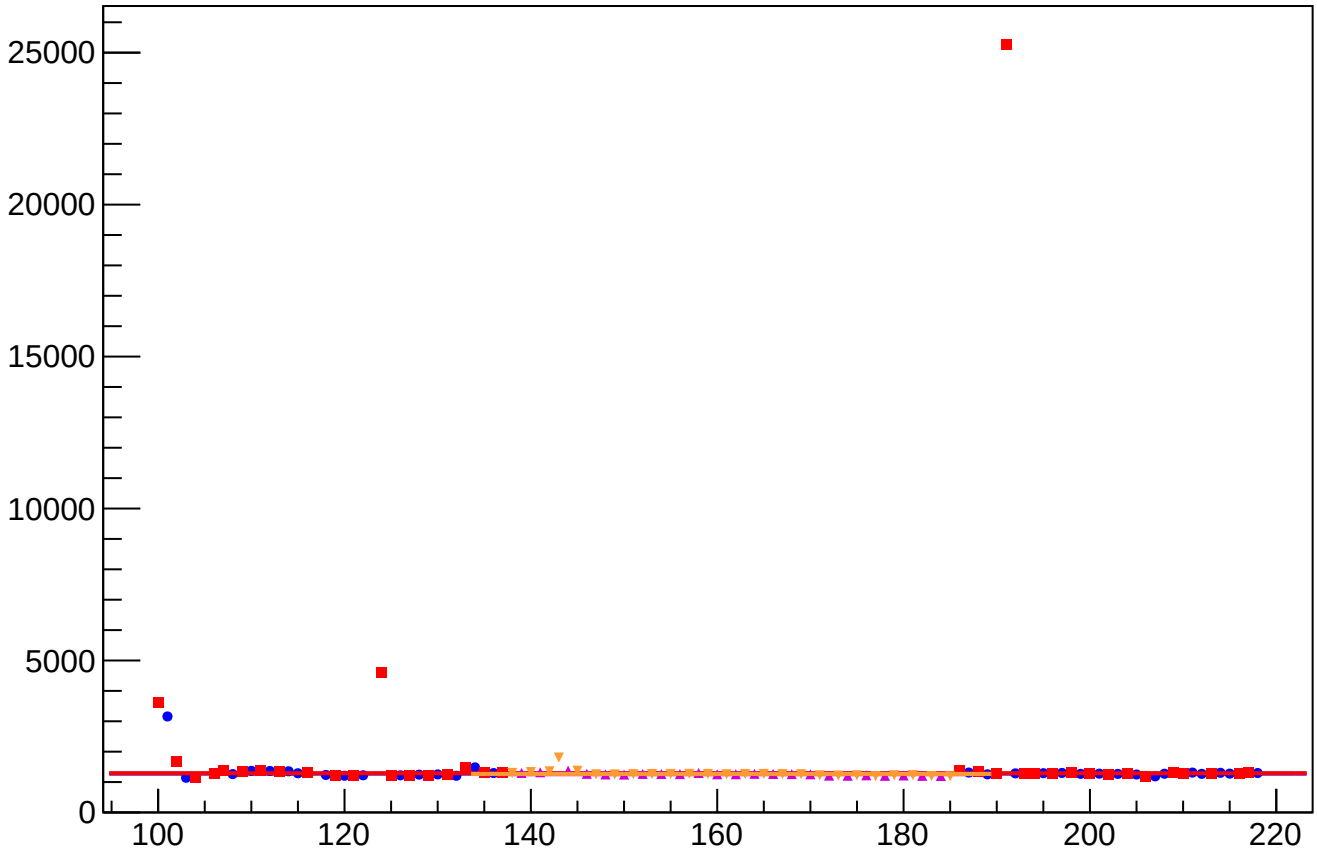
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -231.169+/-203.199 χ^2/NDF: 61.1/67

In: -503.297+/-205.167 χ^2/NDF:40.6/54

Out: 275.523+/-203.849 χ^2/NDF:80.9/60

All: -111.377+/-144.607 χ^2/NDF: 128.7/115



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: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

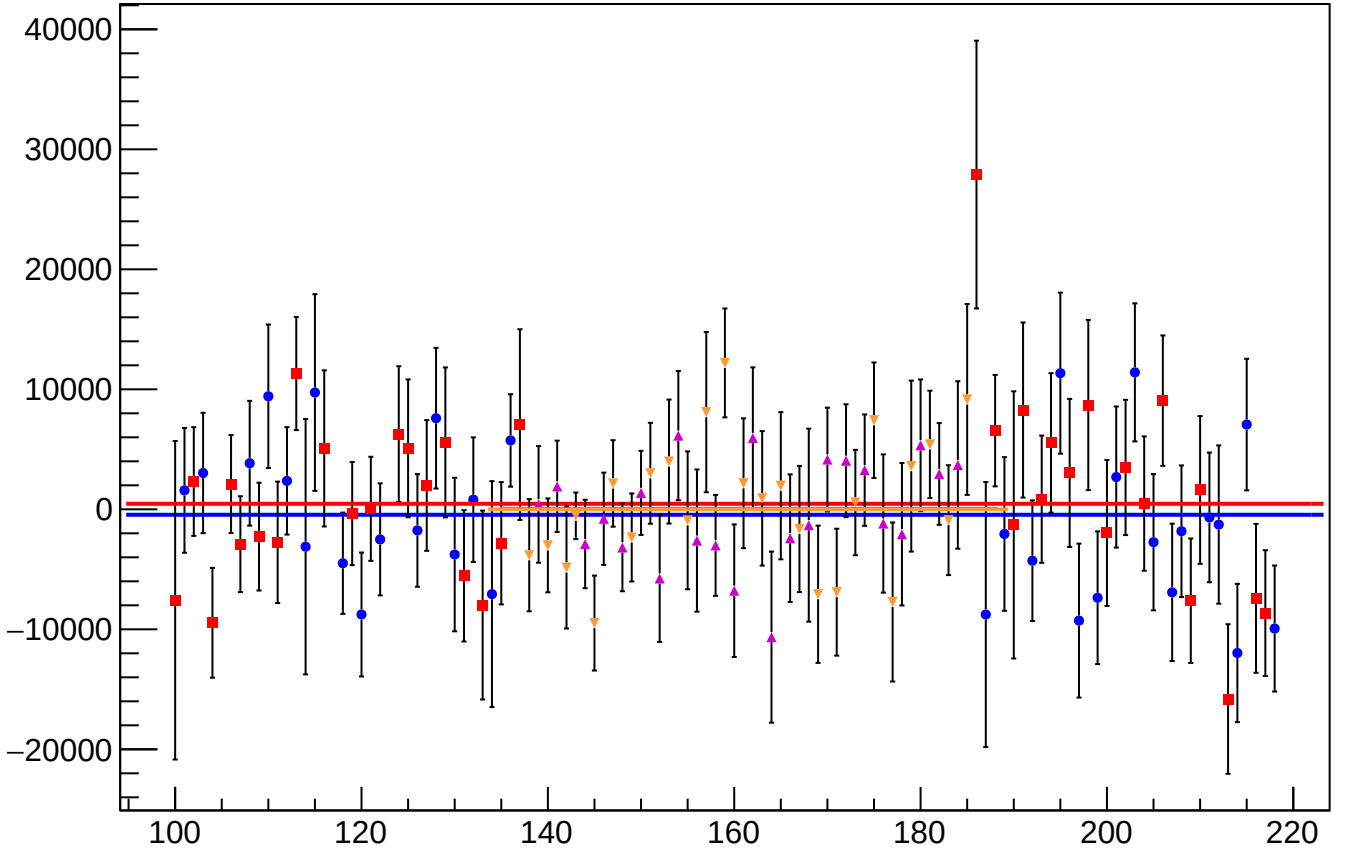
Right: 1284.660+/-0.144 χ^2/NDF: 1022114.5/67

In: 1268.805+/-0.145 χ^2/NDF:573165.0/54

Out: 1278.430+/-0.144 χ^2/NDF:684050.3/60

All: 1273.650+/-0.102 χ^2/NDF: 1259431.3/11

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: 461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

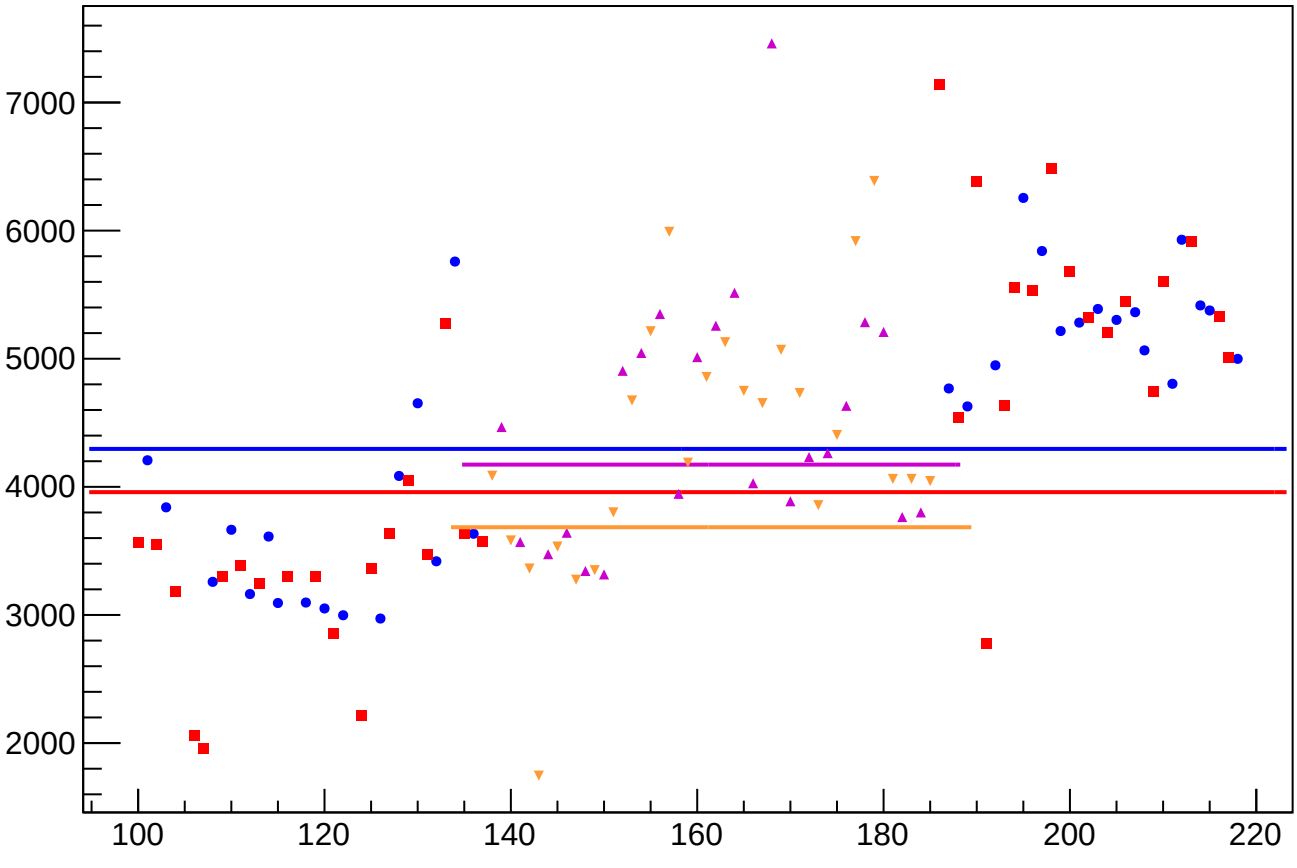
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 35.149+/-671.914 χ^2/NDF: 85.3/67

In: -213.635+/-699.895 χ^2/NDF:52.2/54

Out: 222.030+/-638.169 χ^2/NDF:75.9/60

All: 24.252+/-471.569 χ^2/NDF: 128.4/115



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: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

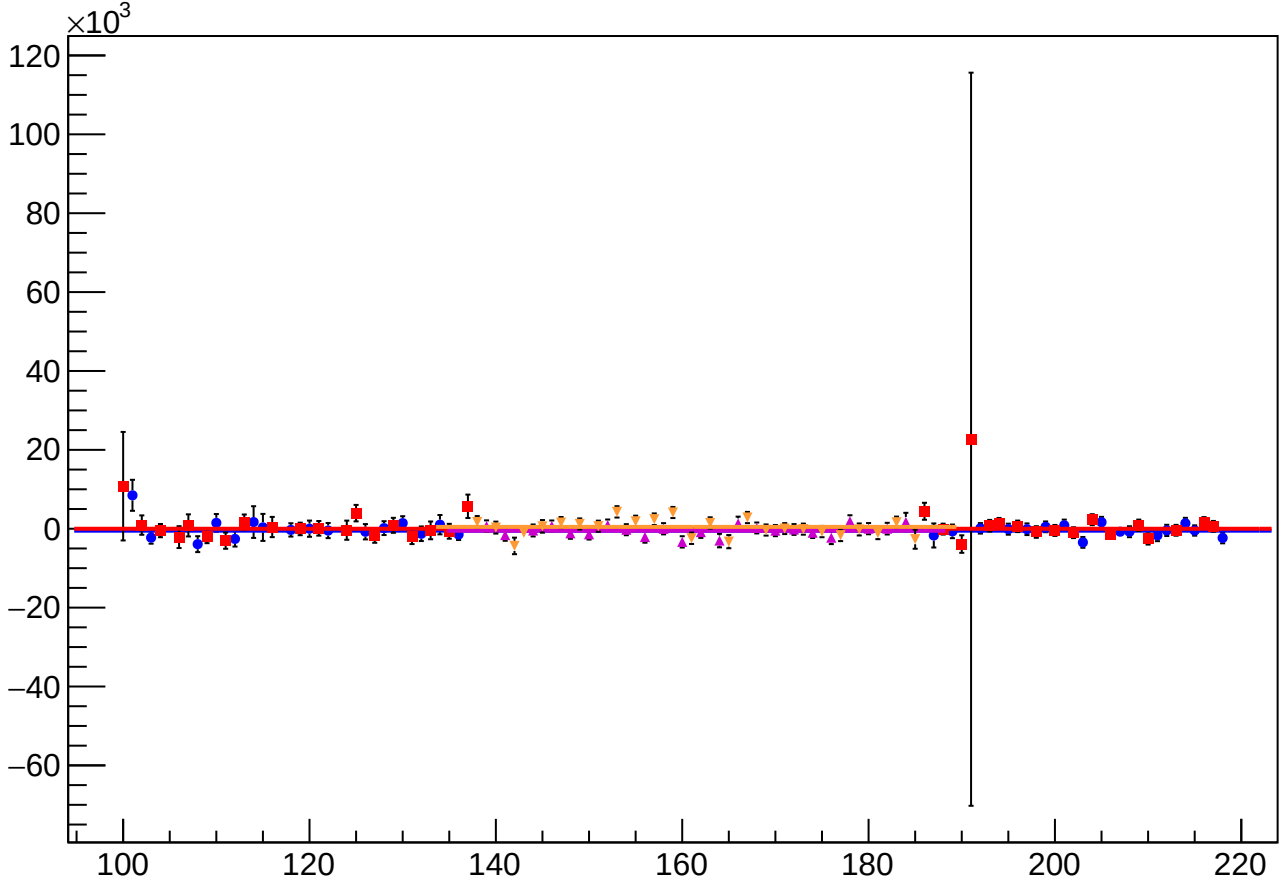
Right: 4115.932+/-0.475 χ^2/NDF: 5830393.8/67

In: 4235.568+/-0.495 χ^2/NDF:3368069.4/54

Out: 3816.706+/-0.451 χ^2/NDF:7412674.7/60

All: 4006.855+/-0.333 χ^2/NDF: 11171878.2/1

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



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: -2.606+/-290.184 χ^2/NDF: 34.0/35

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

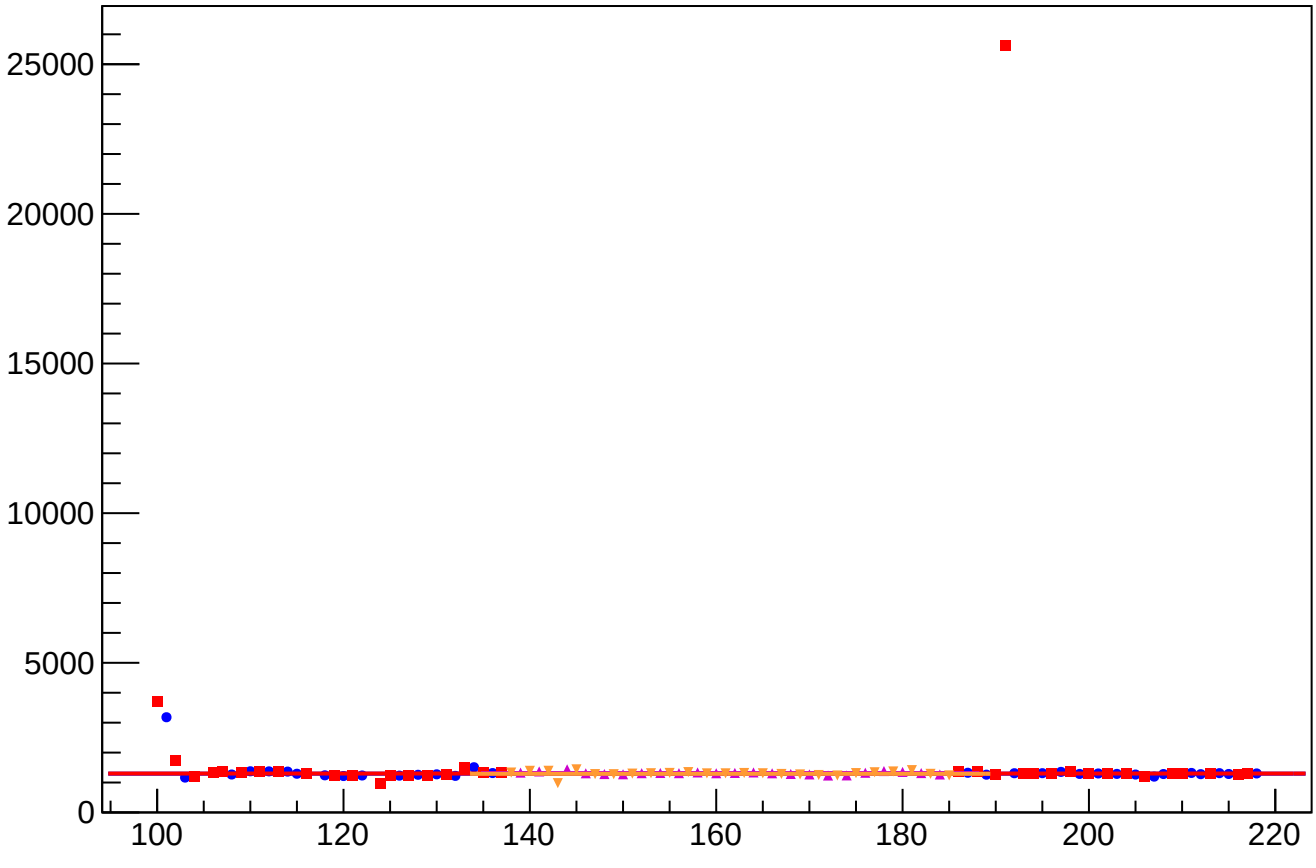
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -246.421+/-205.195 χ^2/NDF: 63.0/67

In: -496.530+/-210.907 χ^2/NDF:45.0/54

Out: 229.383+/-206.616 χ^2/NDF:79.4/60

All: -126.114+/-147.593 χ^2/NDF: 130.4/115



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: 1300.430+/-0.205 χ^2/NDF: 378990.2/35

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

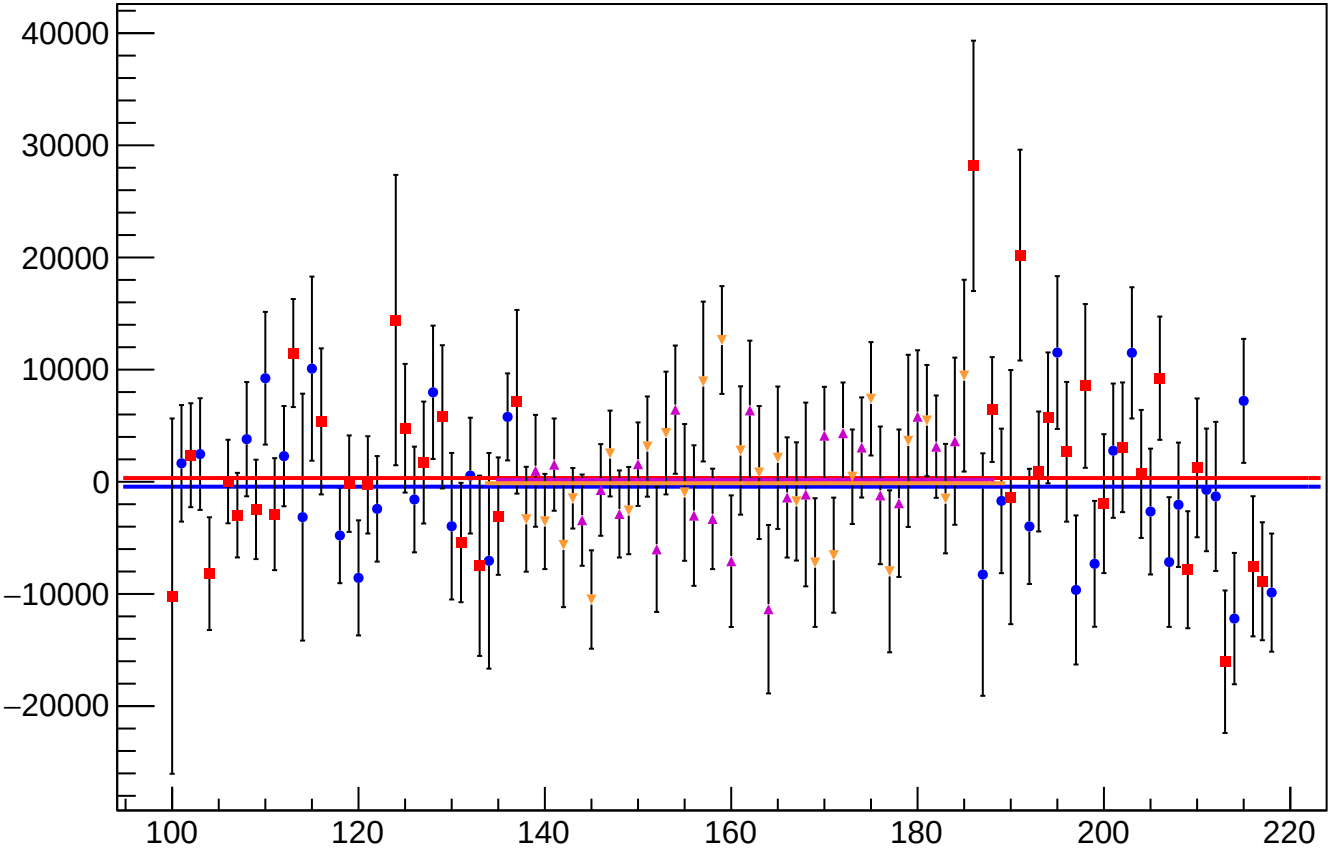
Right: 1297.806+/-0.145 χ^2/NDF: 909600.8/67

In: 1304.062+/-0.149 χ^2/NDF:577298.7/54

Out: 1295.886+/-0.146 χ^2/NDF:610720.7/60

All: 1299.889+/-0.104 χ^2/NDF: 1189553.7/11

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: 334.966+/-934.371 χ^2/NDF: 48.3/35

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

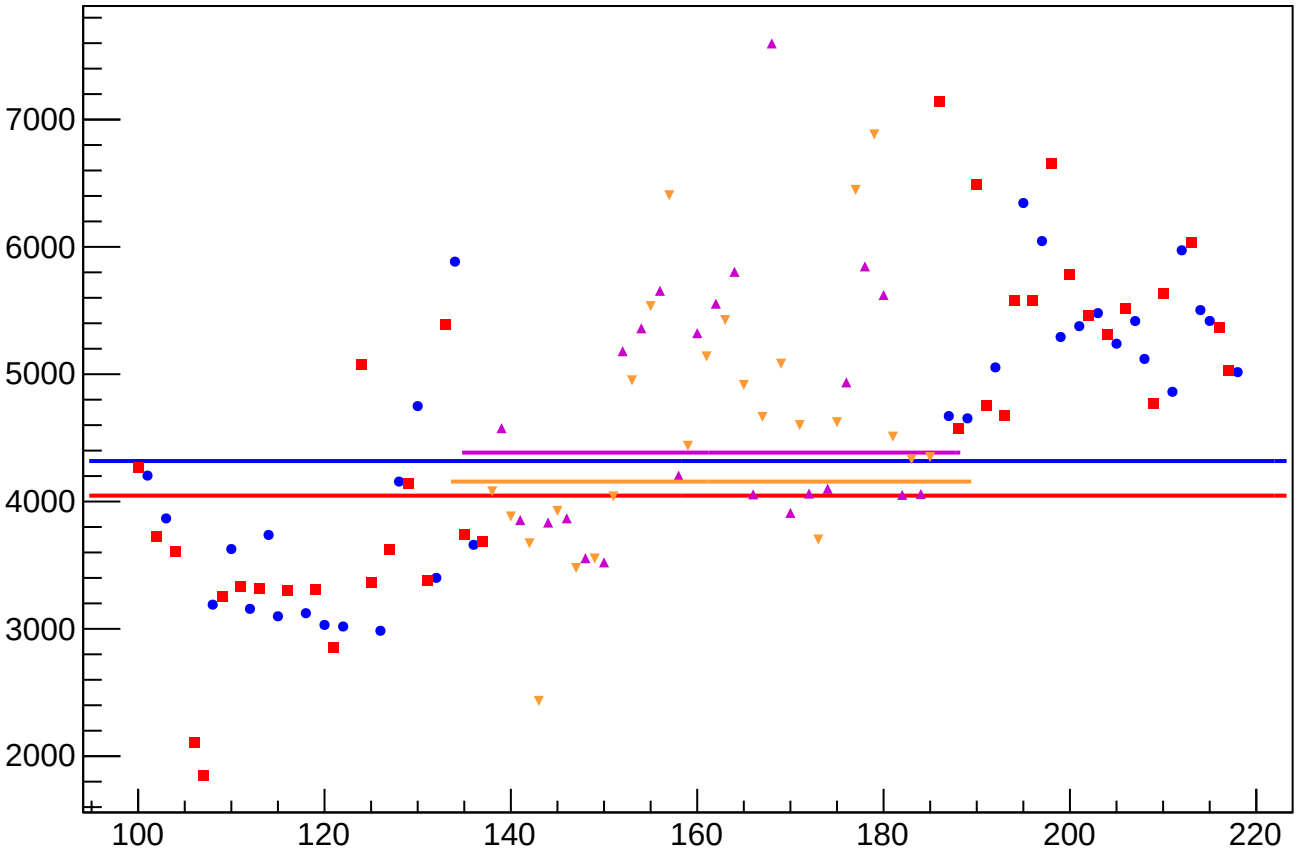
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: -28.046+/-679.650 χ^2/NDF: 86.5/67

In: -154.329+/-719.018 χ^2/NDF:51.8/54

Out: 114.205+/-675.344 χ^2/NDF:77.0/60

All: -11.659+/-492.256 χ^2/NDF: 128.9/115



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: 4046.251+/-0.661 χ^2/NDF: 3653438.5/35

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

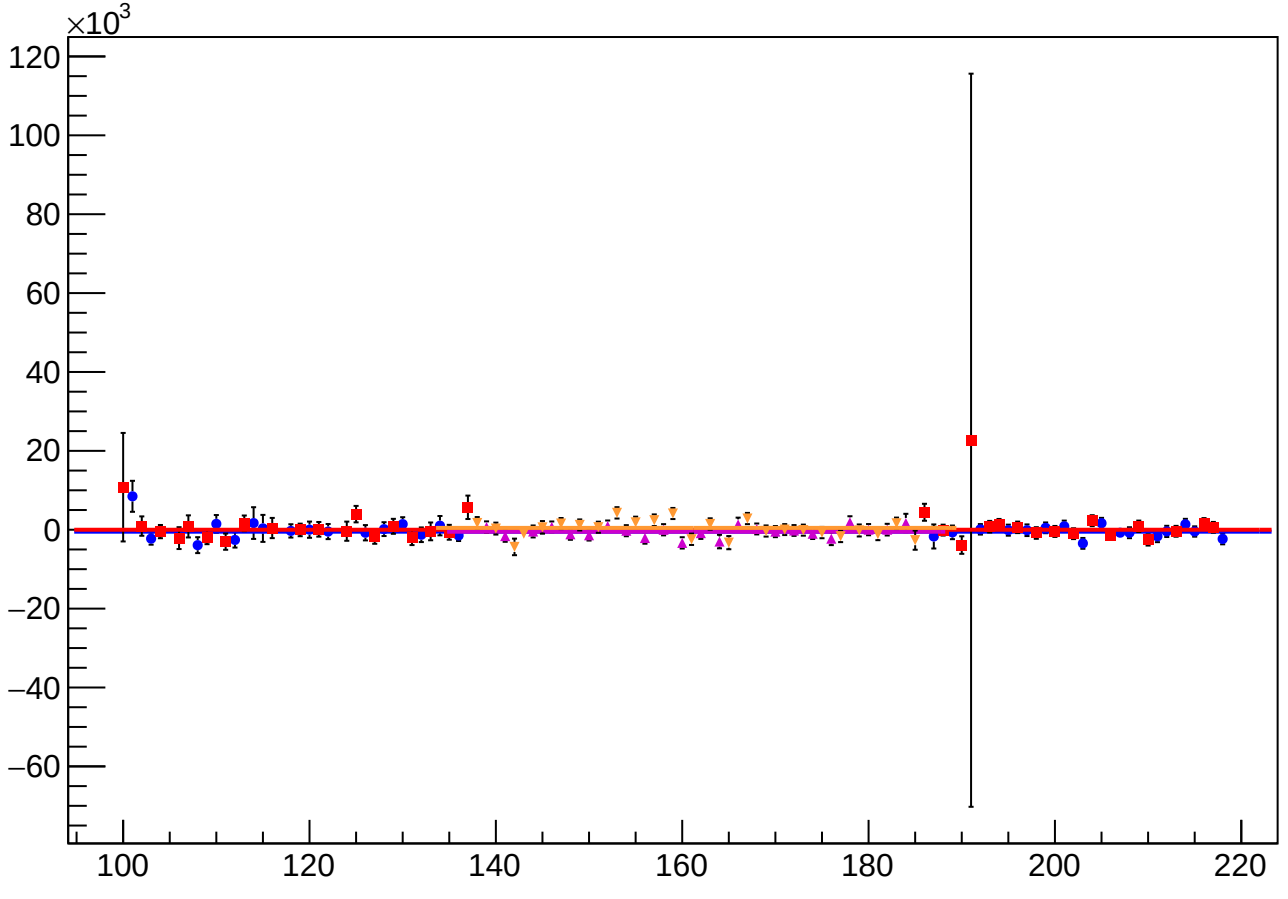
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4174.247+/-0.481 χ^2/NDF: 5911620.9/67

In: 4349.399+/-0.508 χ^2/NDF:3438188.1/54

Out: 4098.944+/-0.478 χ^2/NDF:5747522.7/60

All: 4216.334+/-0.348 χ^2/NDF: 9314638.0/11



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: -2.608+/-290.184 χ^2/NDF: 34.0/35

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

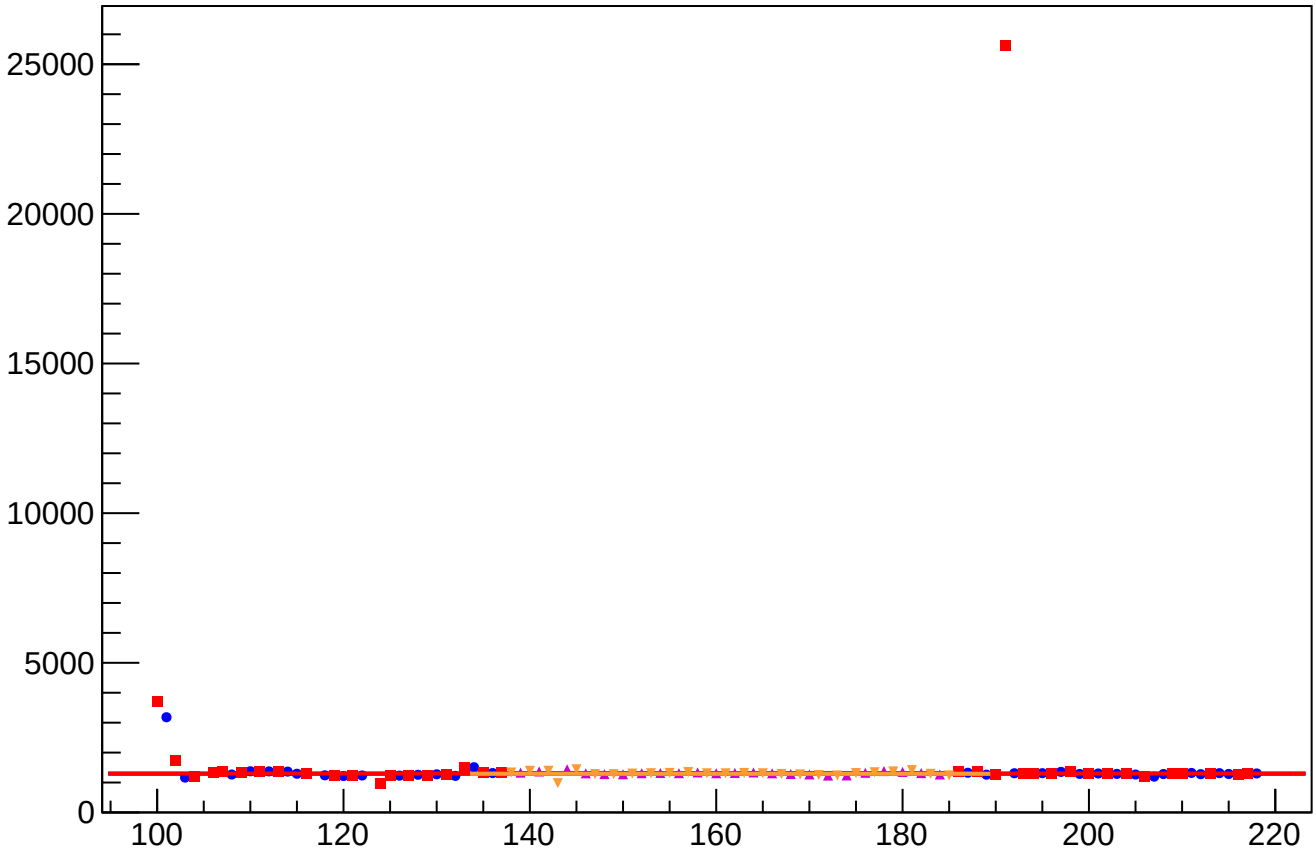
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -246.421+/-205.195 χ^2/NDF: 63.0/67

In: -496.529+/-210.907 χ^2/NDF:45.0/54

Out: 229.384+/-206.616 χ^2/NDF:79.4/60

All: -126.113+/-147.593 χ^2/NDF: 130.4/115



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: 1300.430+/-0.205 χ^2/NDF: 378990.3/35

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

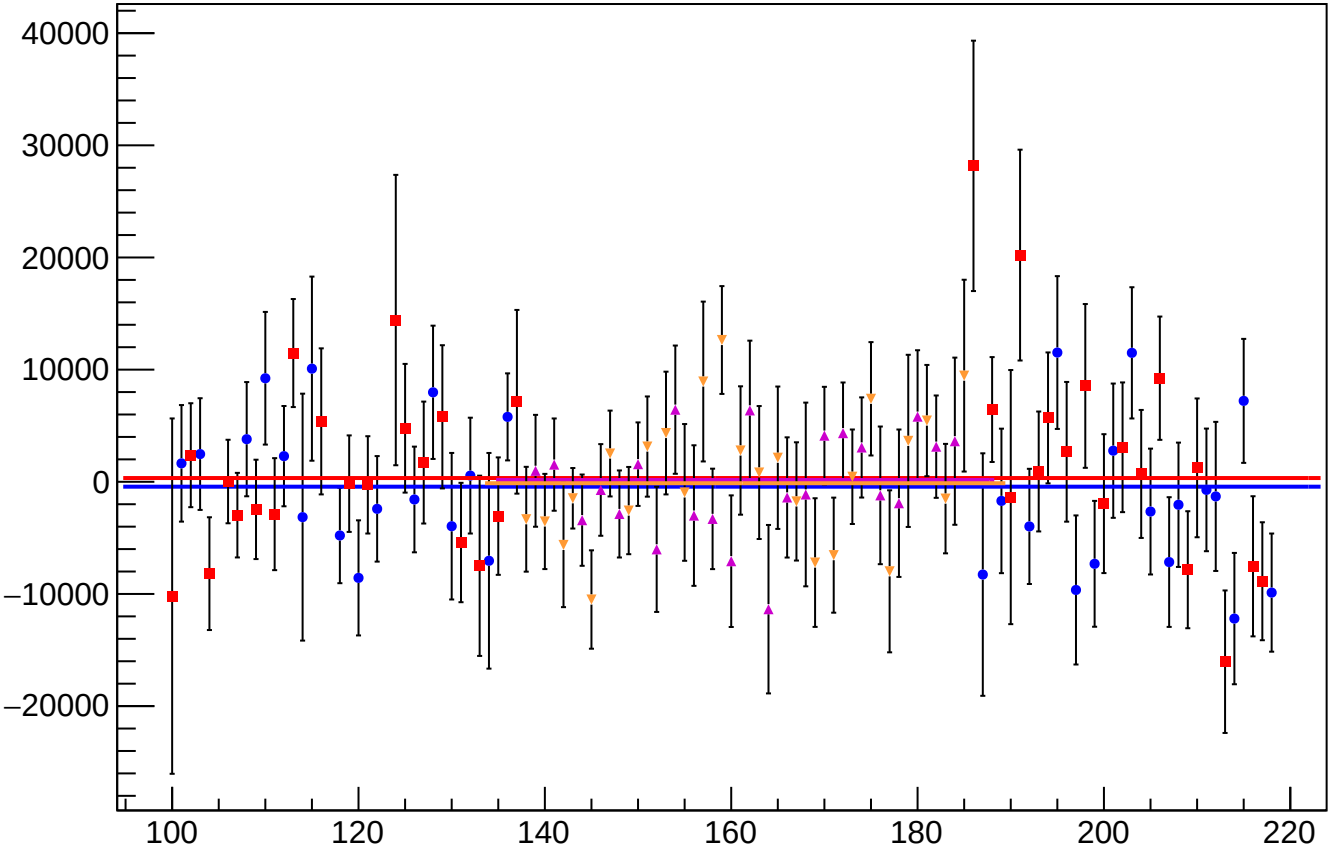
Right: 1297.806+/-0.145 χ^2/NDF: 909601.0/67

In: 1304.063+/-0.149 χ^2/NDF:577301.5/54

Out: 1295.886+/-0.146 χ^2/NDF:610723.1/60

All: 1299.890+/-0.104 χ^2/NDF: 1189558.8/11

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: 334.961+/-934.371 χ^2/NDF: 48.3/35

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

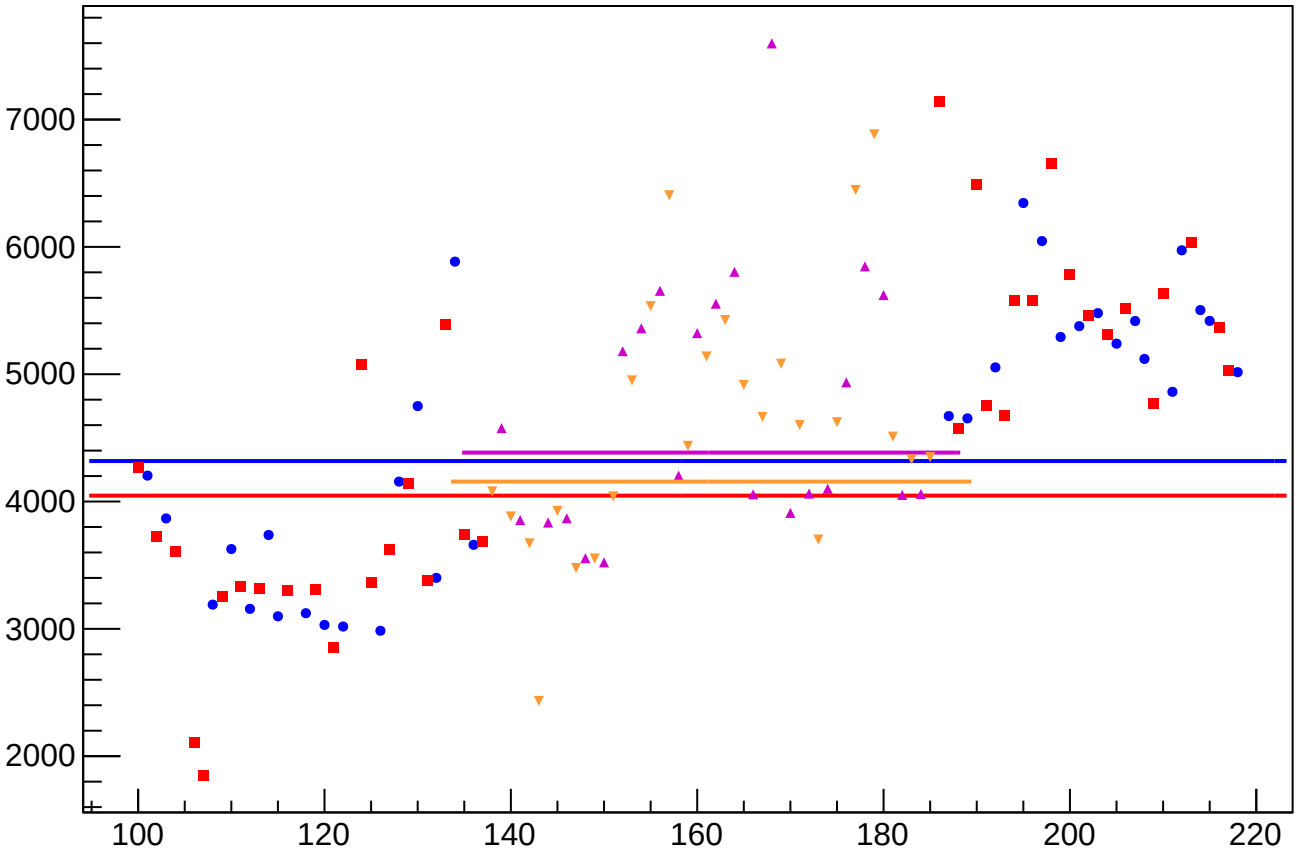
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: -28.050+/-679.649 χ^2/NDF: 86.5/67

In: -154.330+/-719.018 χ^2/NDF:51.8/54

Out: 114.204+/-675.344 χ^2/NDF:77.0/60

All: -11.660+/-492.256 χ^2/NDF: 128.9/115



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: 4046.245+/-0.661 χ^2/NDF: 3653475.0/35

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

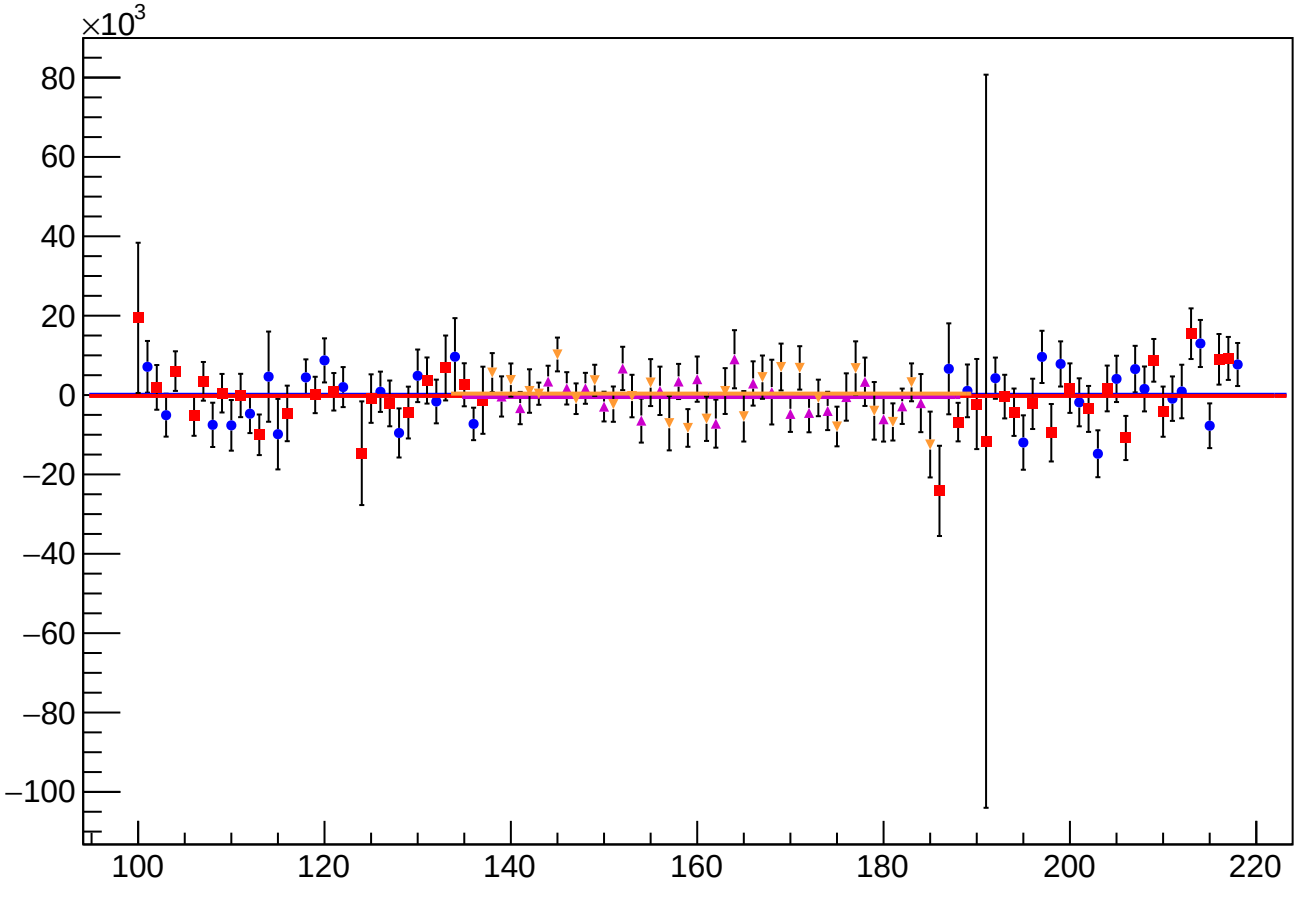
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4174.242+/-0.481 χ^2/NDF: 5911697.1/67

In: 4349.400+/-0.508 χ^2/NDF:3438232.7/54

Out: 4098.944+/-0.478 χ^2/NDF:5747565.0/60

All: 4216.335+/-0.348 χ^2/NDF: 9314725.6/11



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: -228.319+/-1008.085 χ^2/NDF: 38.7/35

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

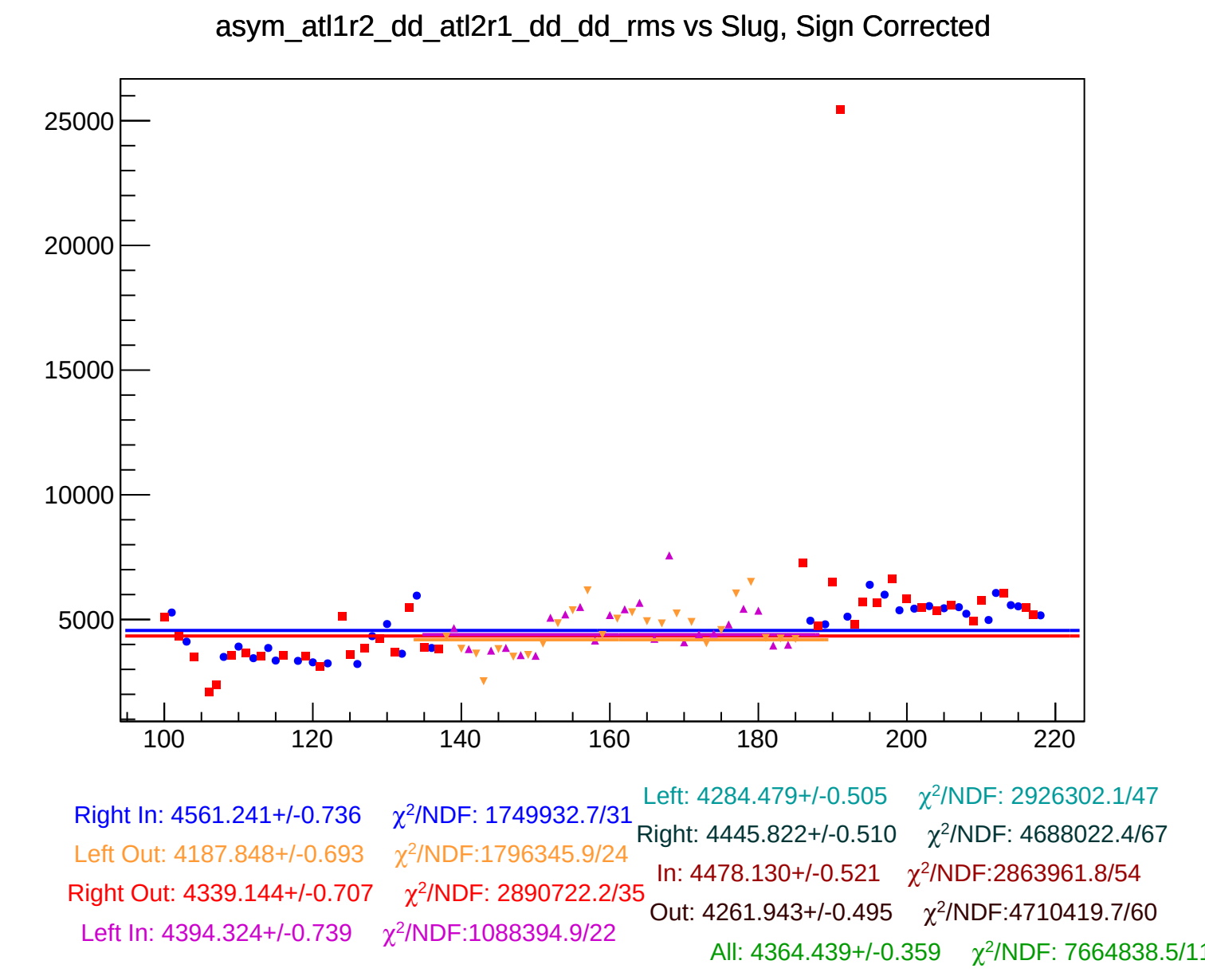
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -83.763+/-723.968 χ^2/NDF: 82.1/67

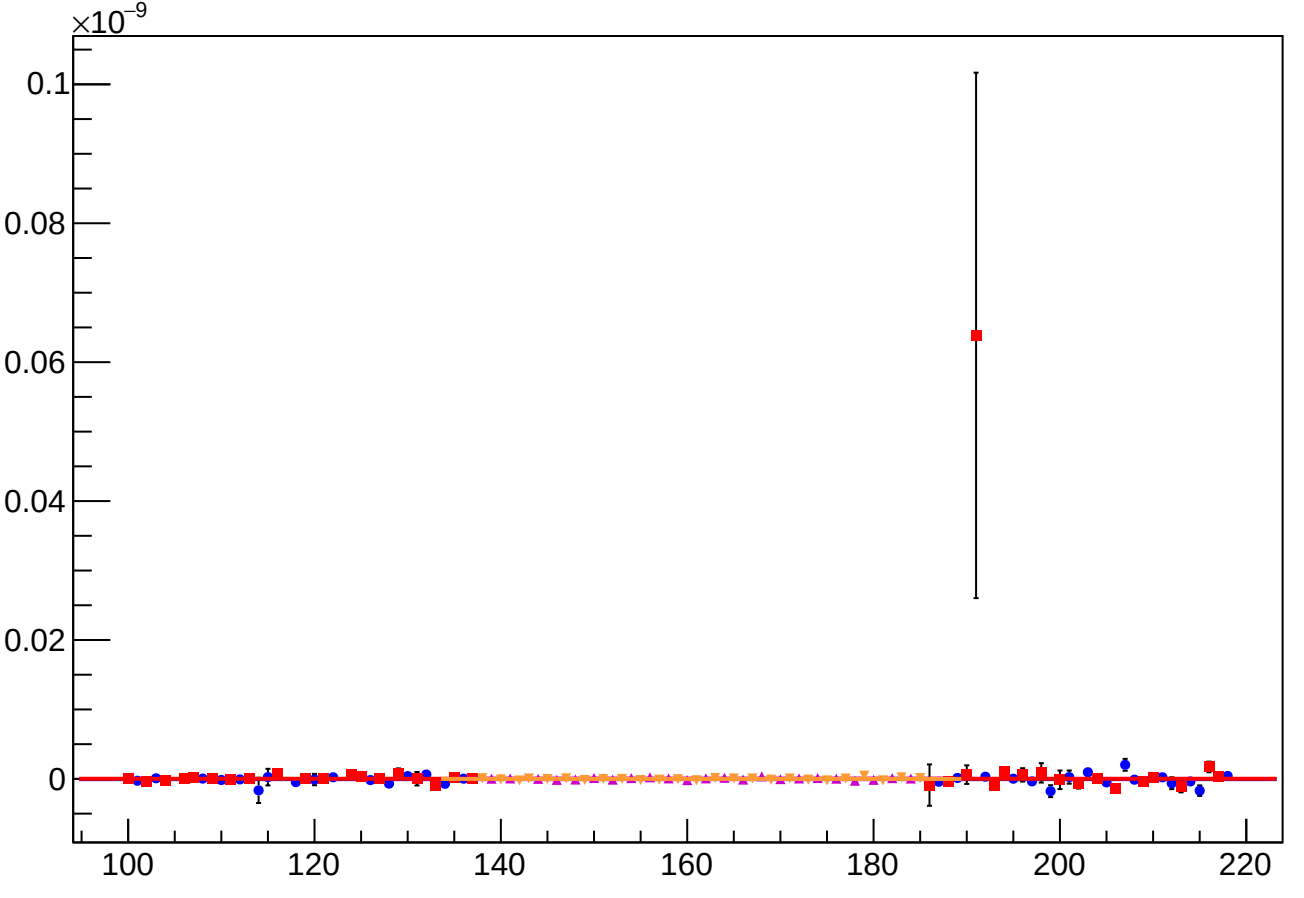
In: -212.480+/-737.181 χ^2/NDF:57.4/54

Out: 75.492+/-702.632 χ^2/NDF:66.5/60

All: -61.588+/-508.611 χ^2/NDF: 124.0/115


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: 4339.144+/-0.707 χ²/NDF: 2890722.2/35
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4445.822+/-0.510 χ²/NDF: 4688022.4/67
In: 4478.130+/-0.521 χ²/NDF:2863961.8/54
Out: 4261.943+/-0.495 χ²/NDF:4710419.7/60
All: 4364.439+/-0.359 χ²/NDF: 7664838.5/11

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.5/35

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

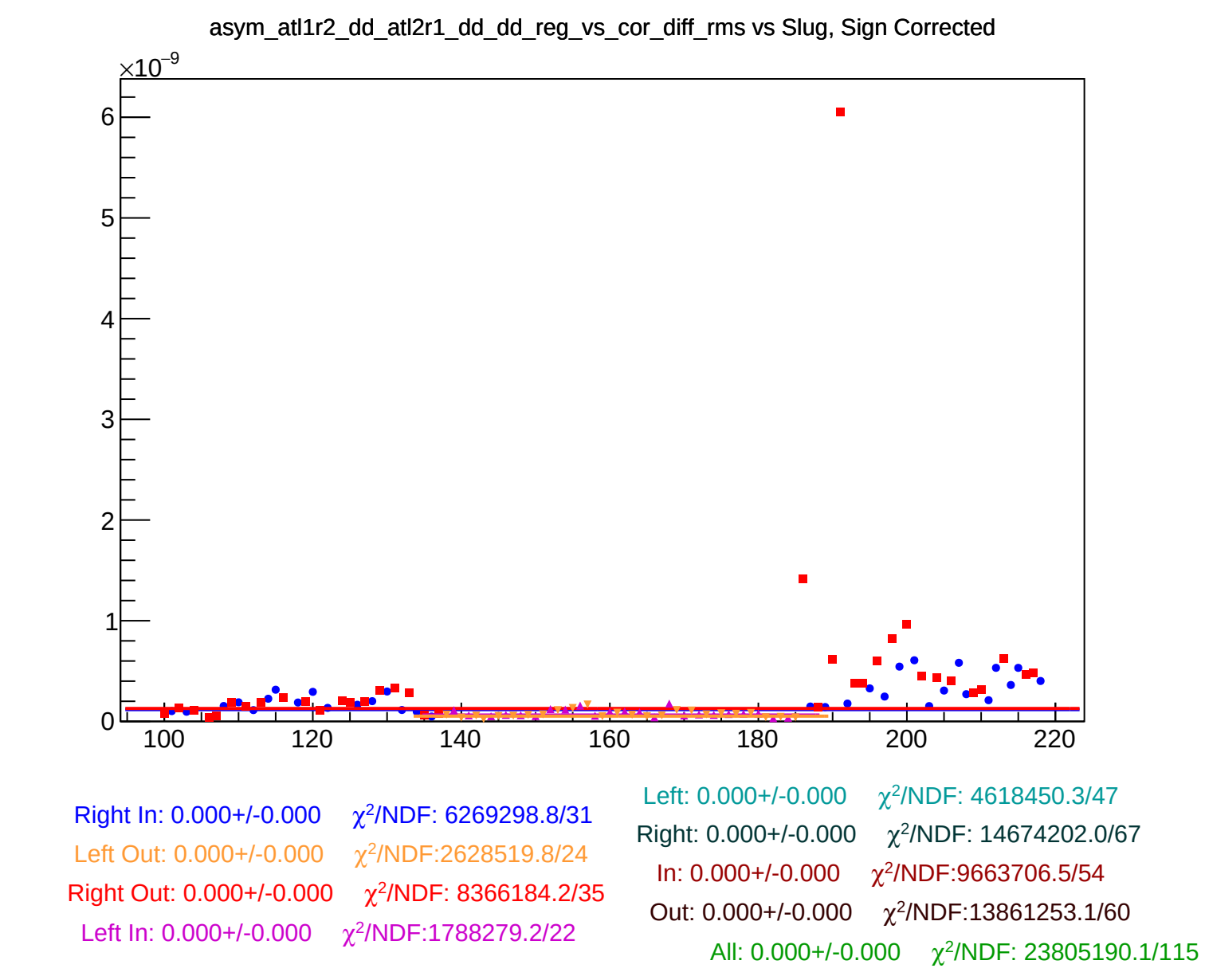
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 81.8/67

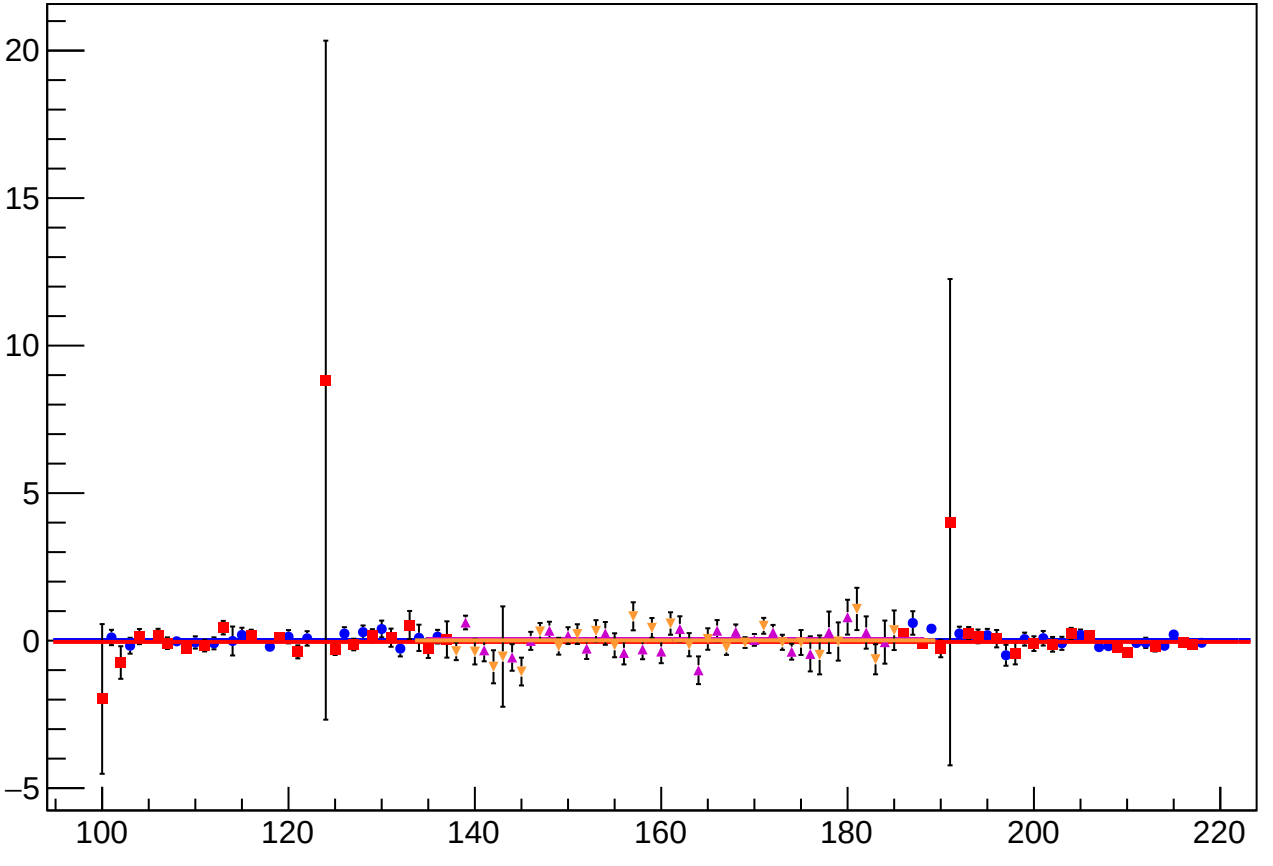
In: 0.000+/-0.000 χ^2/NDF:58.6/54

Out: -0.000+/-0.000 χ^2/NDF:71.1/60

All: 0.000+/-0.000 χ^2/NDF: 129.9/115


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6269298.8/31
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8366184.2/35
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
Left: 0.000+/-0.000 χ²/NDF: 4618450.3/47
Right: 0.000+/-0.000 χ²/NDF: 14674202.0/67
In: 0.000+/-0.000 χ²/NDF:9663706.5/54
Out: 0.000+/-0.000 χ²/NDF:13861253.1/60
All: 0.000+/-0.000 χ²/NDF: 23805190.1/115

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

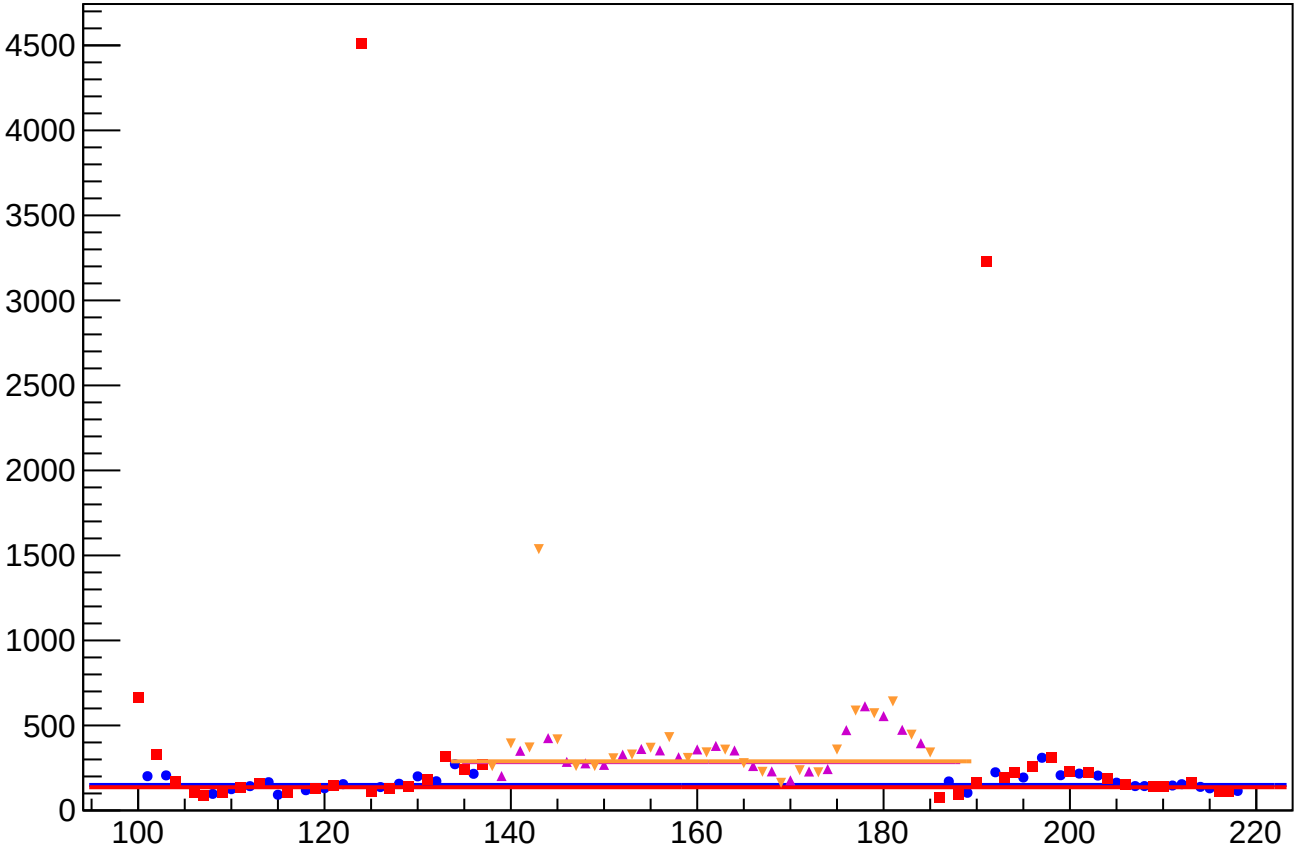
Right: -0.013+/-0.024 χ^2/NDF: 74.9/67

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.005+/-0.022 χ^2/NDF: 132.4/115

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: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

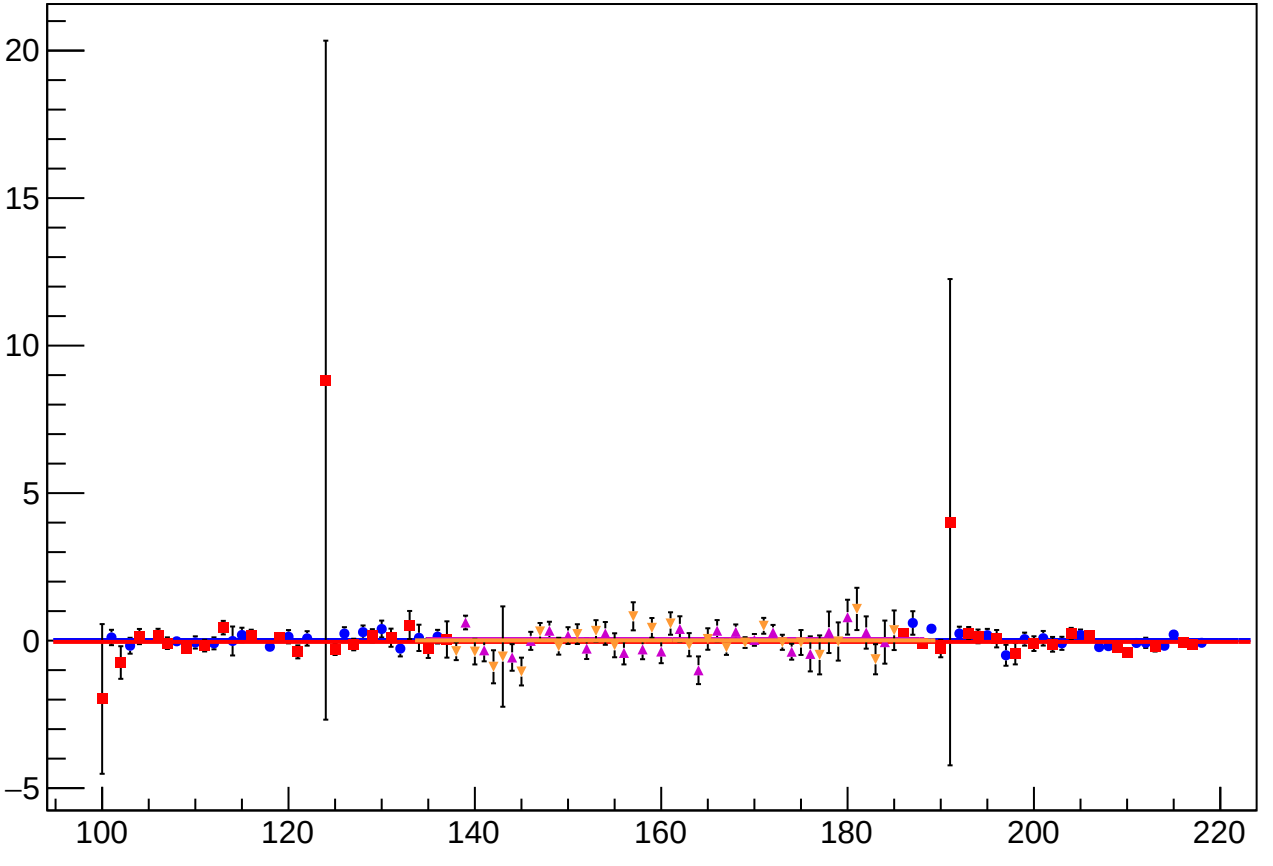
Right: 142.900+/-0.017 χ^2/NDF: 7581118.2/67

In: 176.910+/-0.022 χ^2/NDF:11415134.6/54

Out: 163.827+/-0.021 χ^2/NDF:17097934.1/60

All: 170.058+/-0.015 χ^2/NDF: 28693708.8/1

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

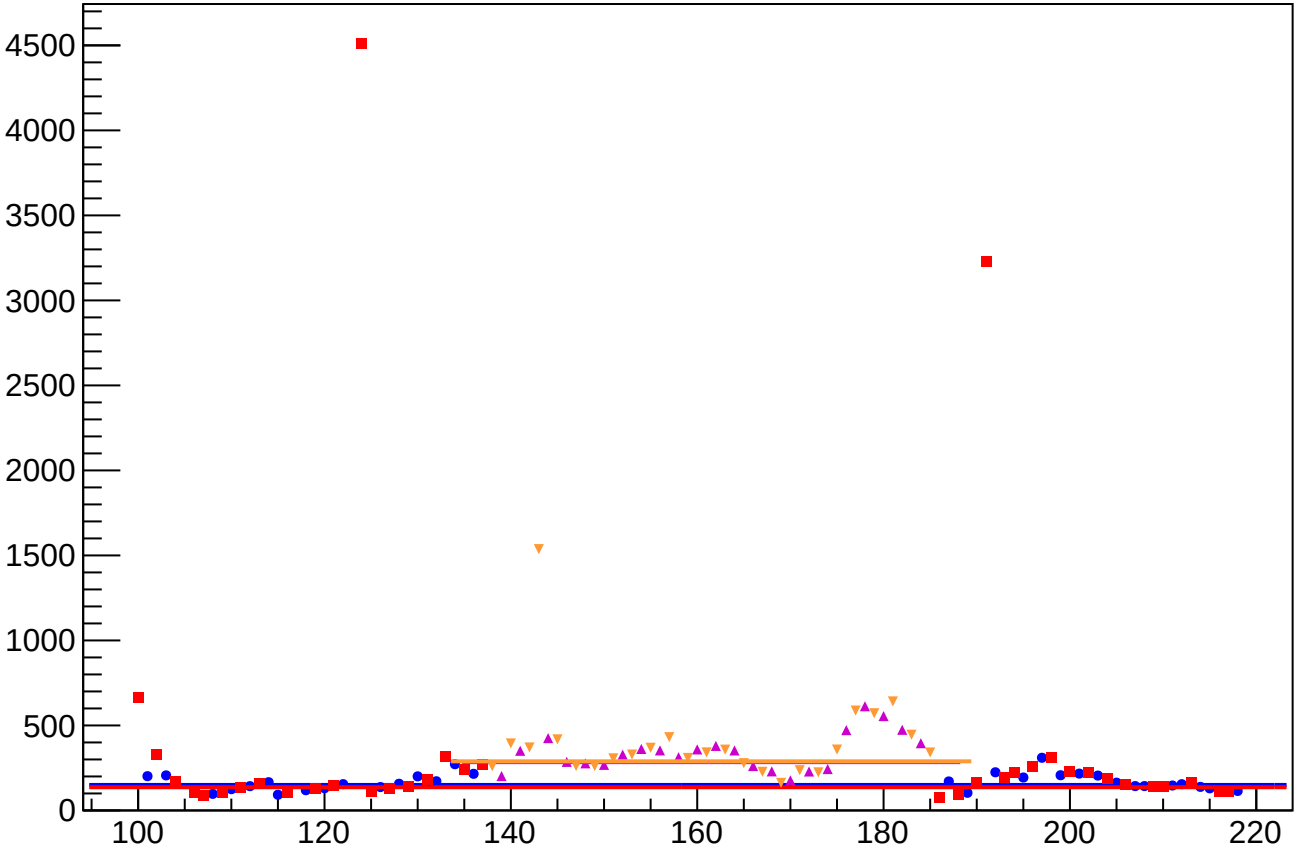
Right: -0.013+/-0.024 χ^2/NDF: 74.9/67

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.005+/-0.022 χ^2/NDF: 132.4/115

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: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

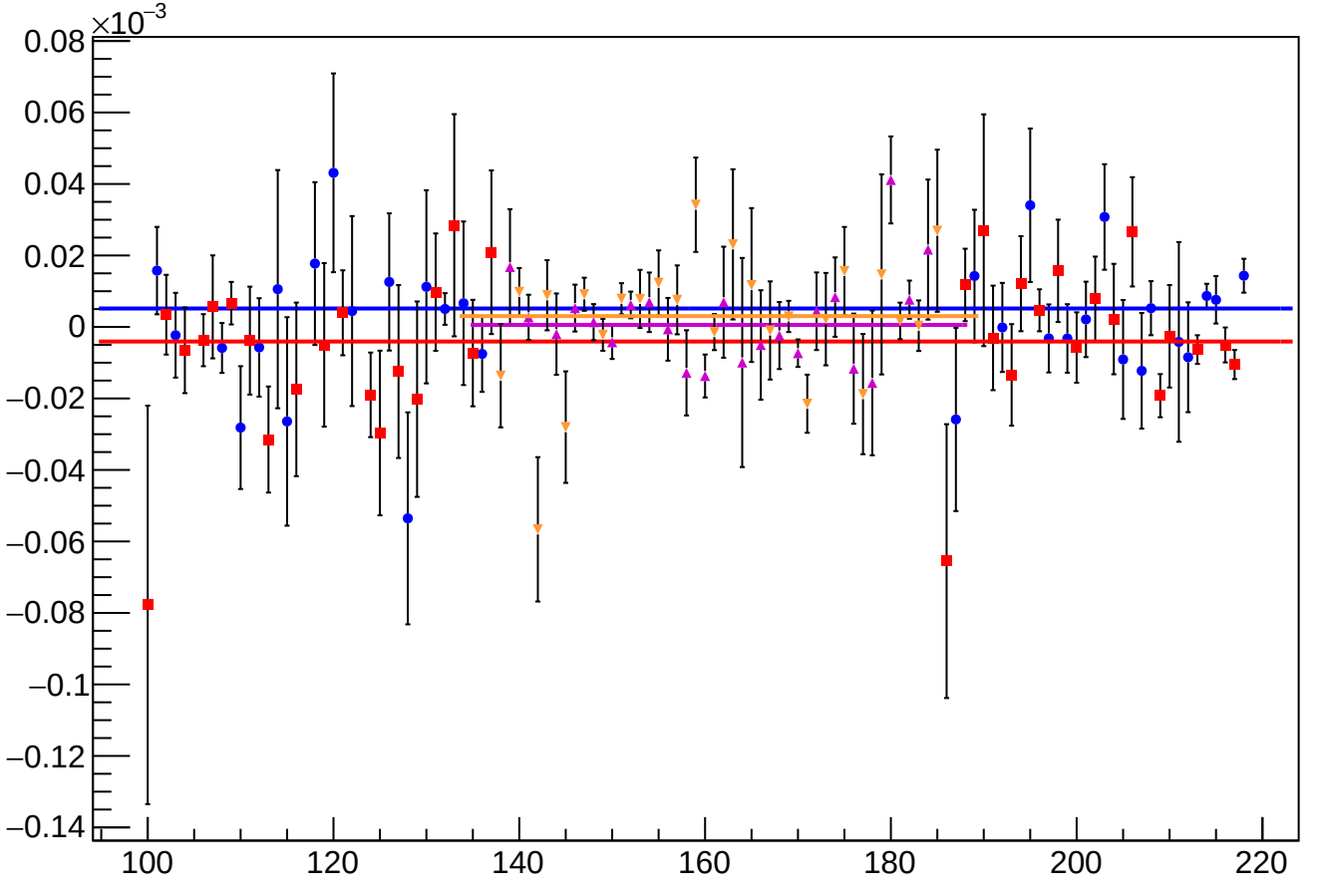
Right: 142.900+/-0.017 χ^2/NDF: 7581118.2/67

In: 176.910+/-0.022 χ^2/NDF:11415134.6/54

Out: 163.827+/-0.021 χ^2/NDF:17097934.1/60

All: 170.058+/-0.015 χ^2/NDF: 28693708.8/1

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 33.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.8/35

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

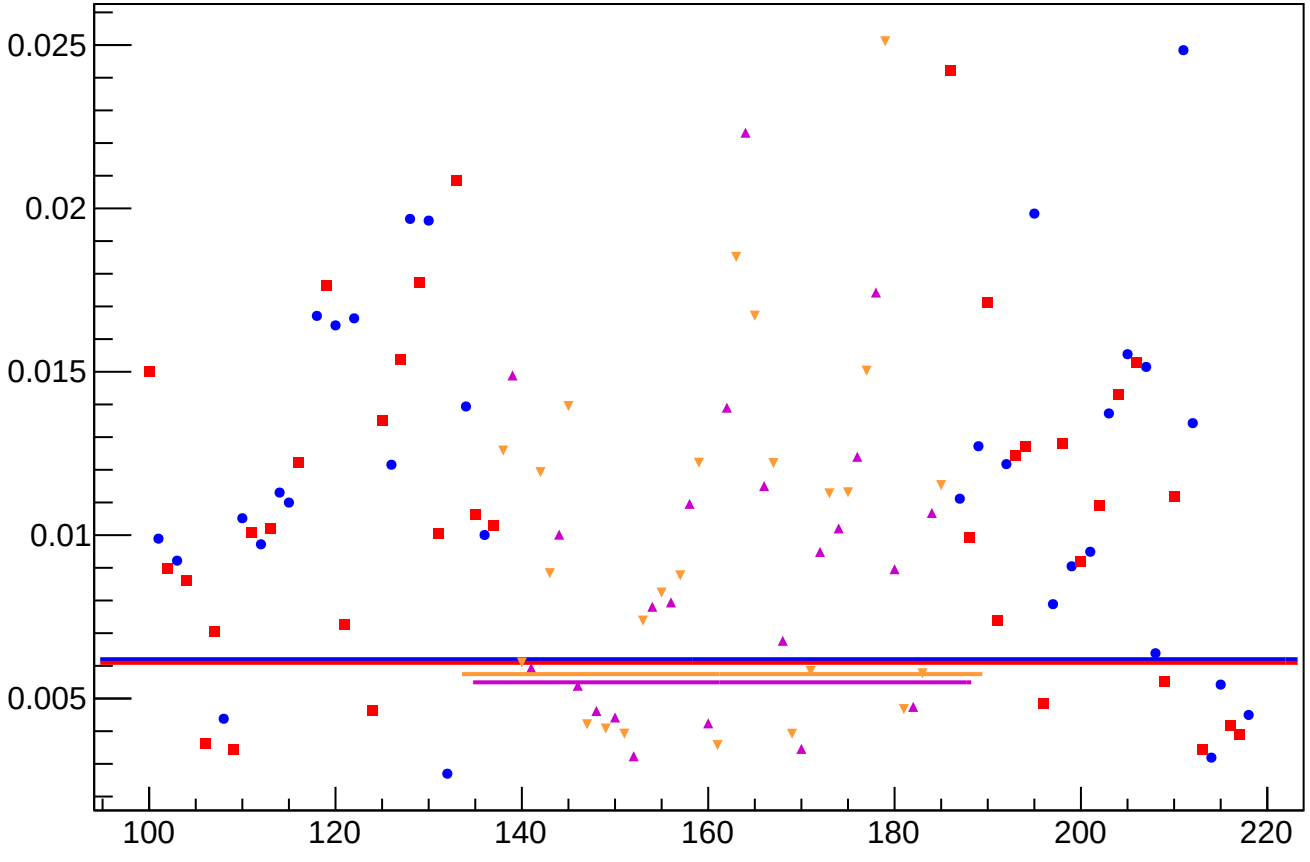
Right: 0.000+/-0.000 χ^2/NDF: 91.6/67

In: 0.000+/-0.000 χ^2/NDF:70.3/54

Out: -0.000+/-0.000 χ^2/NDF:95.4/60

All: 0.000+/-0.000 χ^2/NDF: 169.3/115

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: 9846323.4/35

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

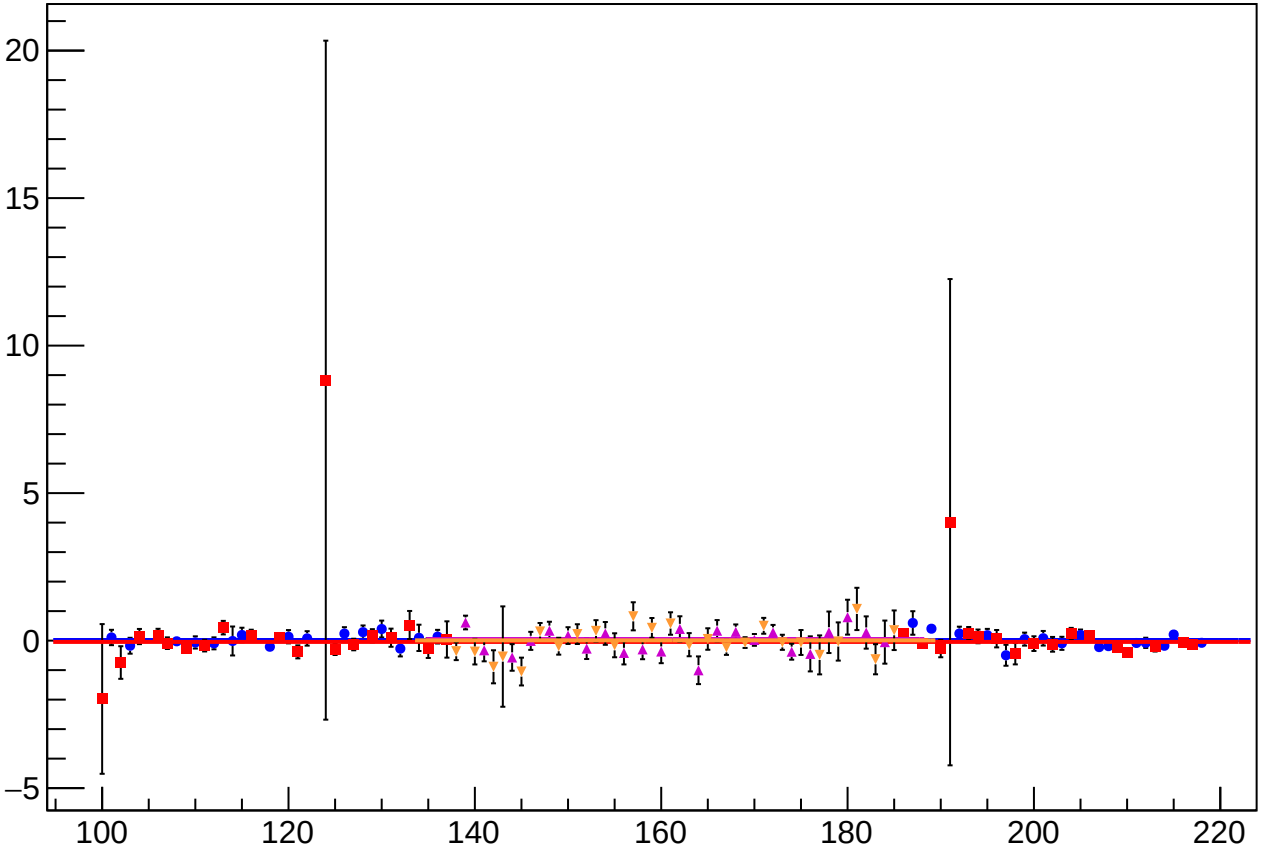
Right: 0.006+/-0.000 χ^2/NDF: 21467349.4/67

In: 0.006+/-0.000 χ^2/NDF:18747539.8/54

Out: 0.006+/-0.000 χ^2/NDF:18023890.7/60

All: 0.006+/-0.000 χ^2/NDF: 36779689.4/115

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

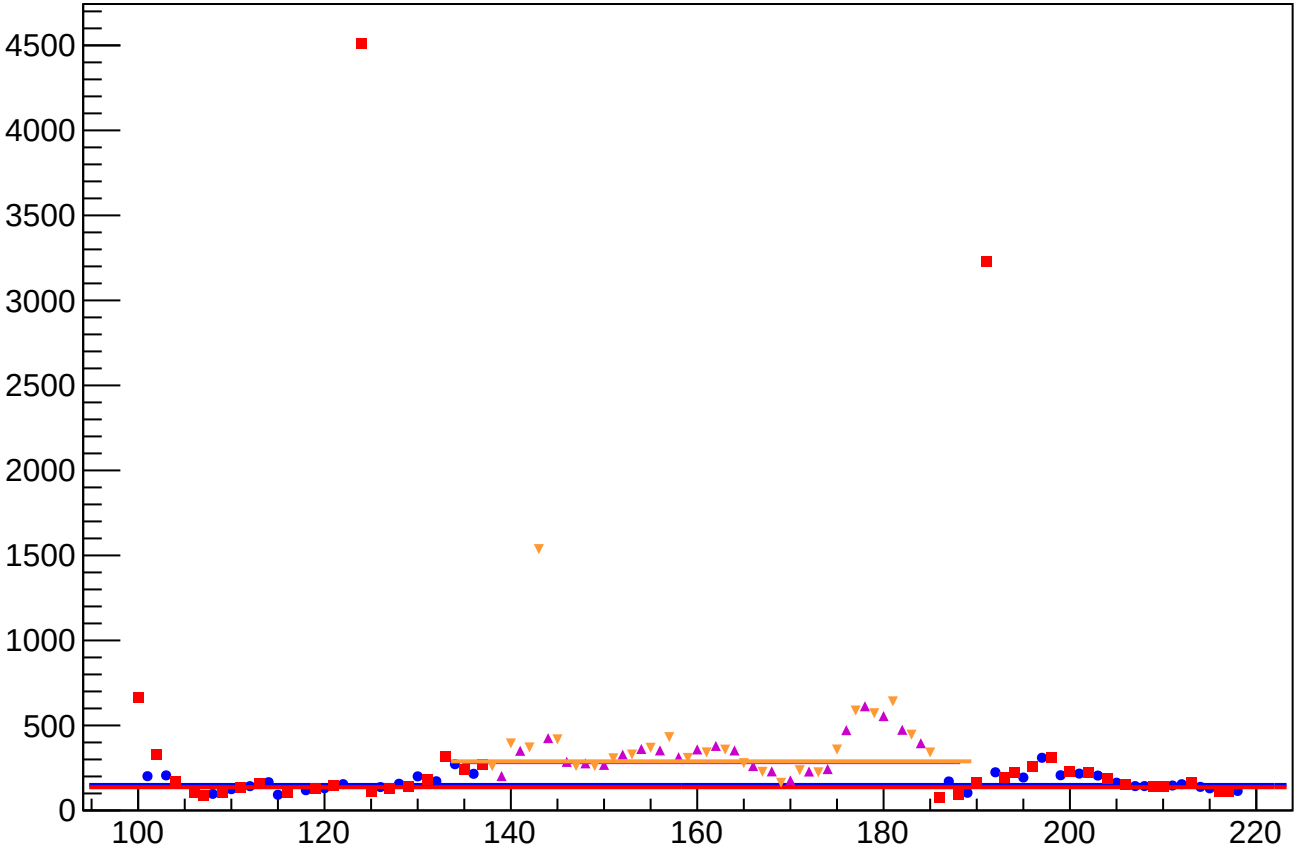
Right: -0.013+/-0.024 χ^2/NDF: 74.9/67

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.005+/-0.022 χ^2/NDF: 132.4/115

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: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

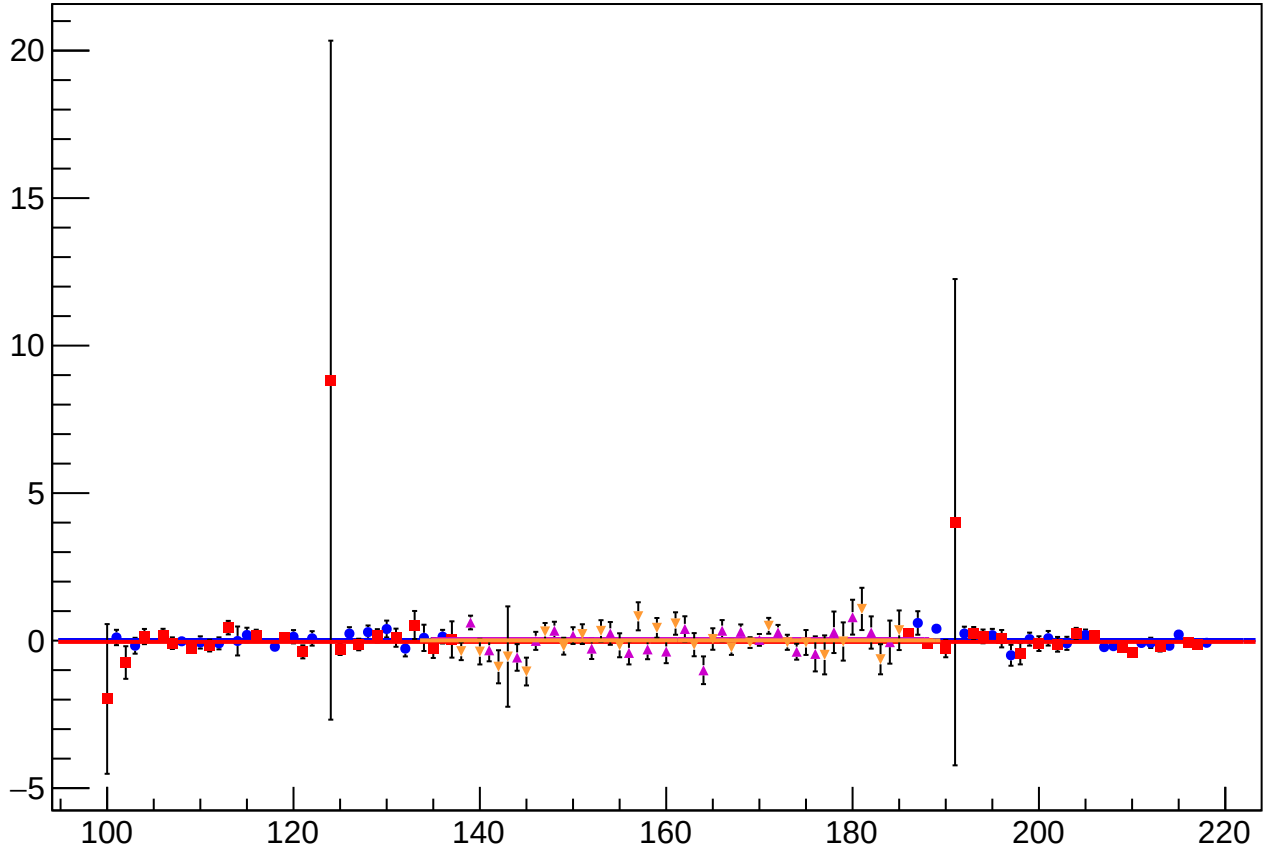
Right: 142.901+/-0.017 χ^2/NDF: 7580917.1/67

In: 176.911+/-0.022 χ^2/NDF:11415237.9/54

Out: 163.829+/-0.021 χ^2/NDF:17097764.6/60

All: 170.059+/-0.015 χ^2/NDF: 28693613.1/11

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

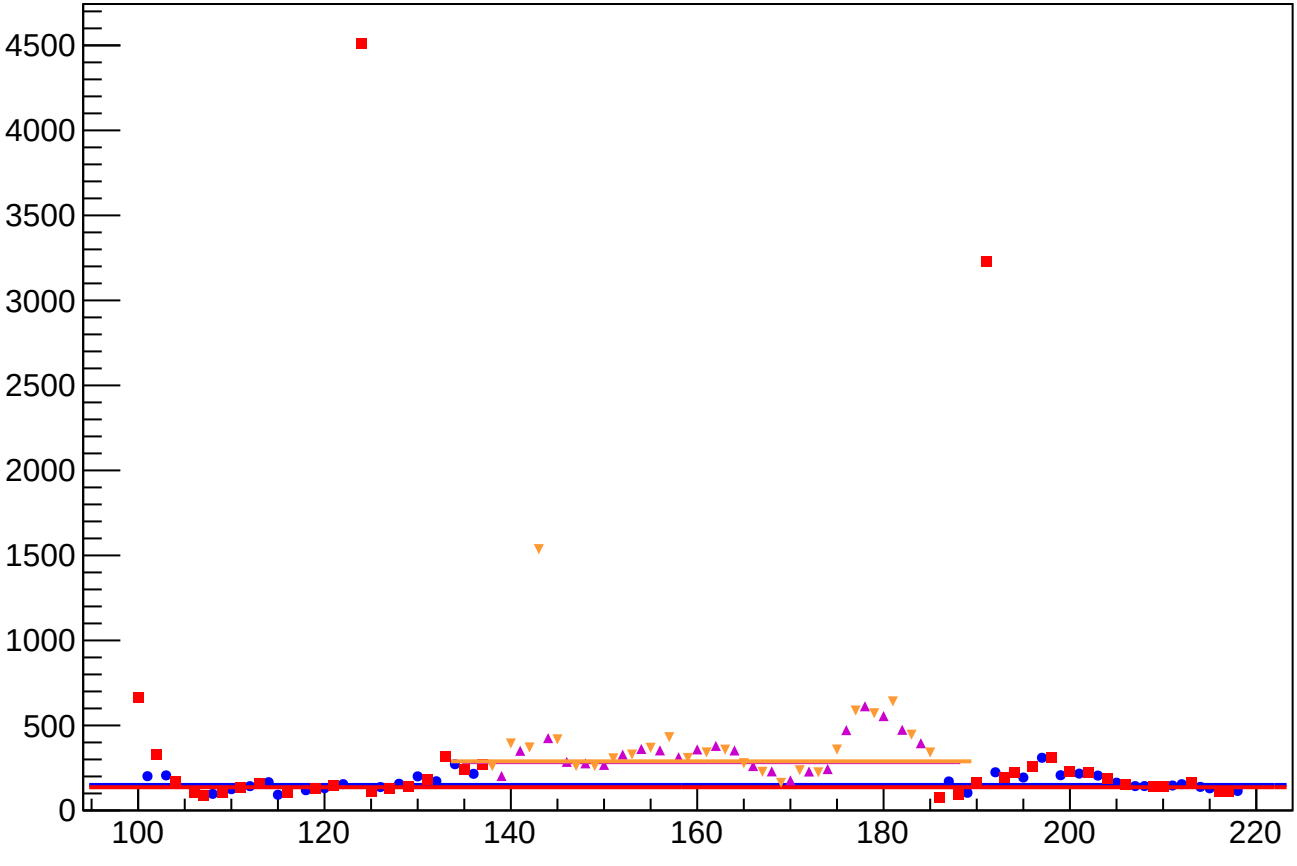
Right: -0.013+/-0.024 χ^2/NDF: 74.9/67

In: 0.027+/-0.032 χ^2/NDF:59.8/54

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.005+/-0.022 χ^2/NDF: 132.4/115

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: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

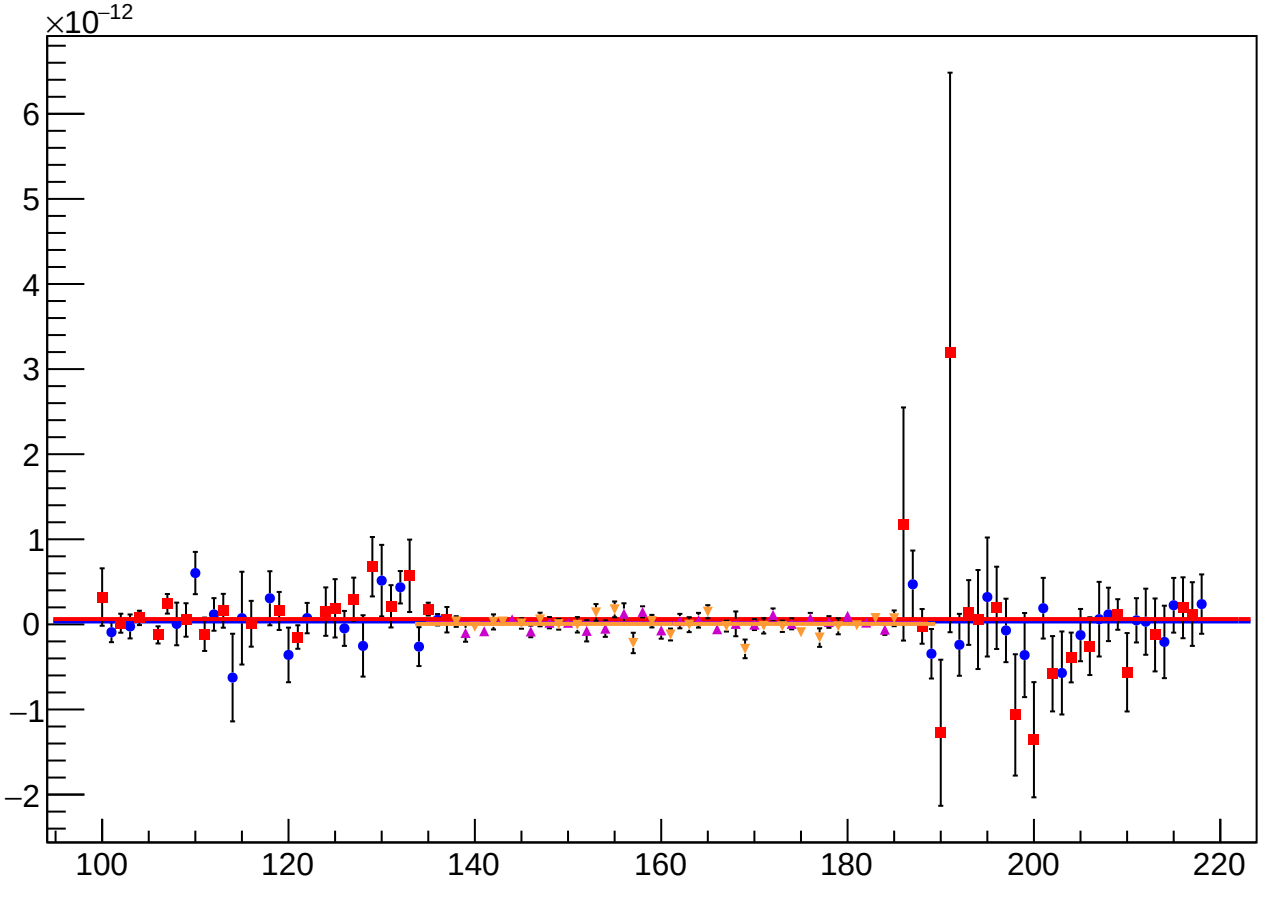
Right: 142.901+/-0.017 χ^2/NDF: 7580917.1/67

In: 176.911+/-0.022 χ^2/NDF:11415237.9/54

Out: 163.829+/-0.021 χ^2/NDF:17097764.6/60

All: 170.059+/-0.015 χ^2/NDF: 28693613.1/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.5/35

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

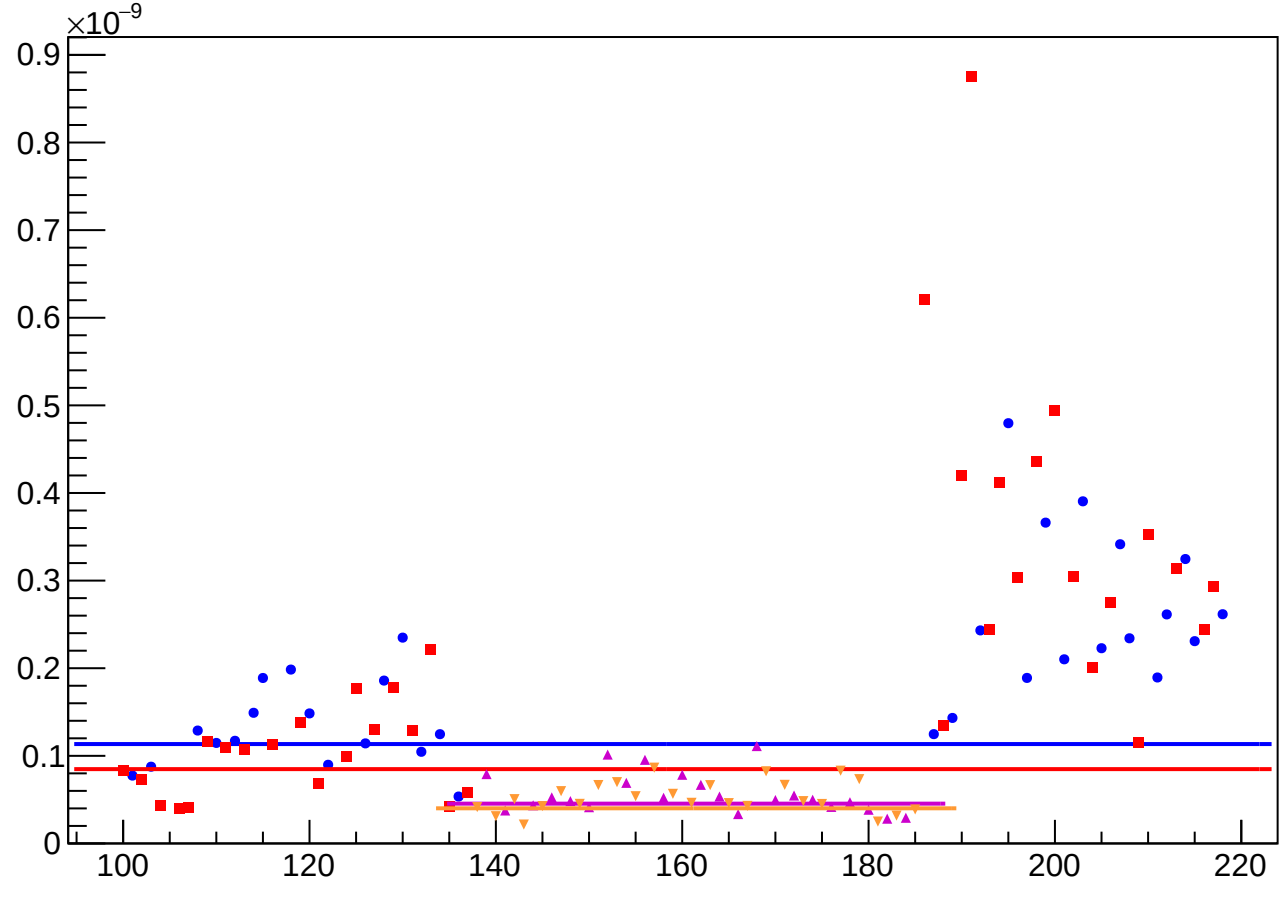
Right: 0.000+/-0.000 χ^2/NDF: 64.3/67

In: 0.000+/-0.000 χ^2/NDF:49.9/54

Out: 0.000+/-0.000 χ^2/NDF:74.4/60

All: 0.000+/-0.000 χ^2/NDF: 124.3/115

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: 10027189.5/35

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

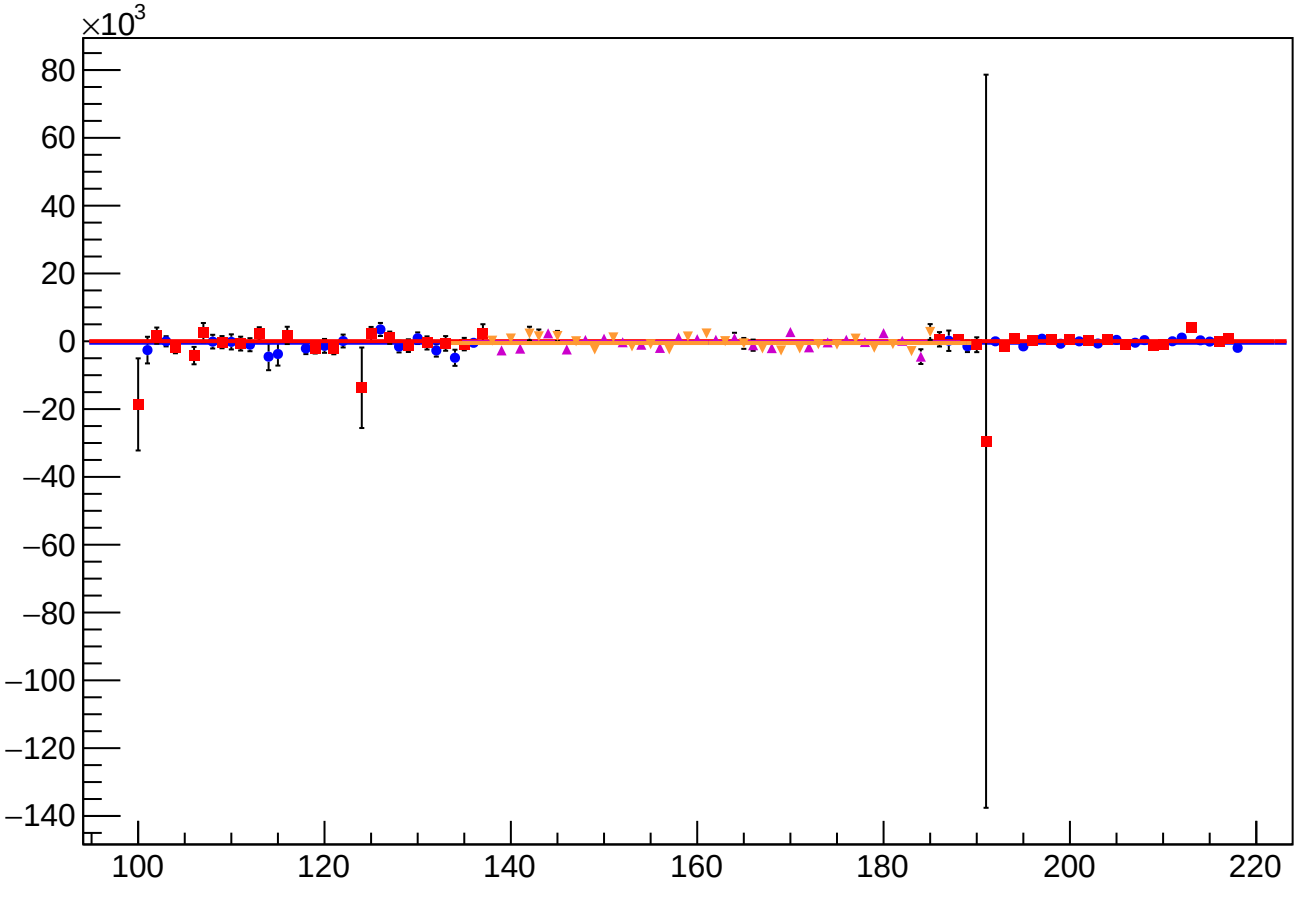
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17942073.6/67

In: 0.000+/-0.000 χ^2/NDF:15555334.9/54

Out: 0.000+/-0.000 χ^2/NDF:17053044.0/60

All: 0.000+/-0.000 χ^2/NDF: 32947237.8/115



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: 37.386+/-286.628 χ^2/NDF: 30.1/35

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

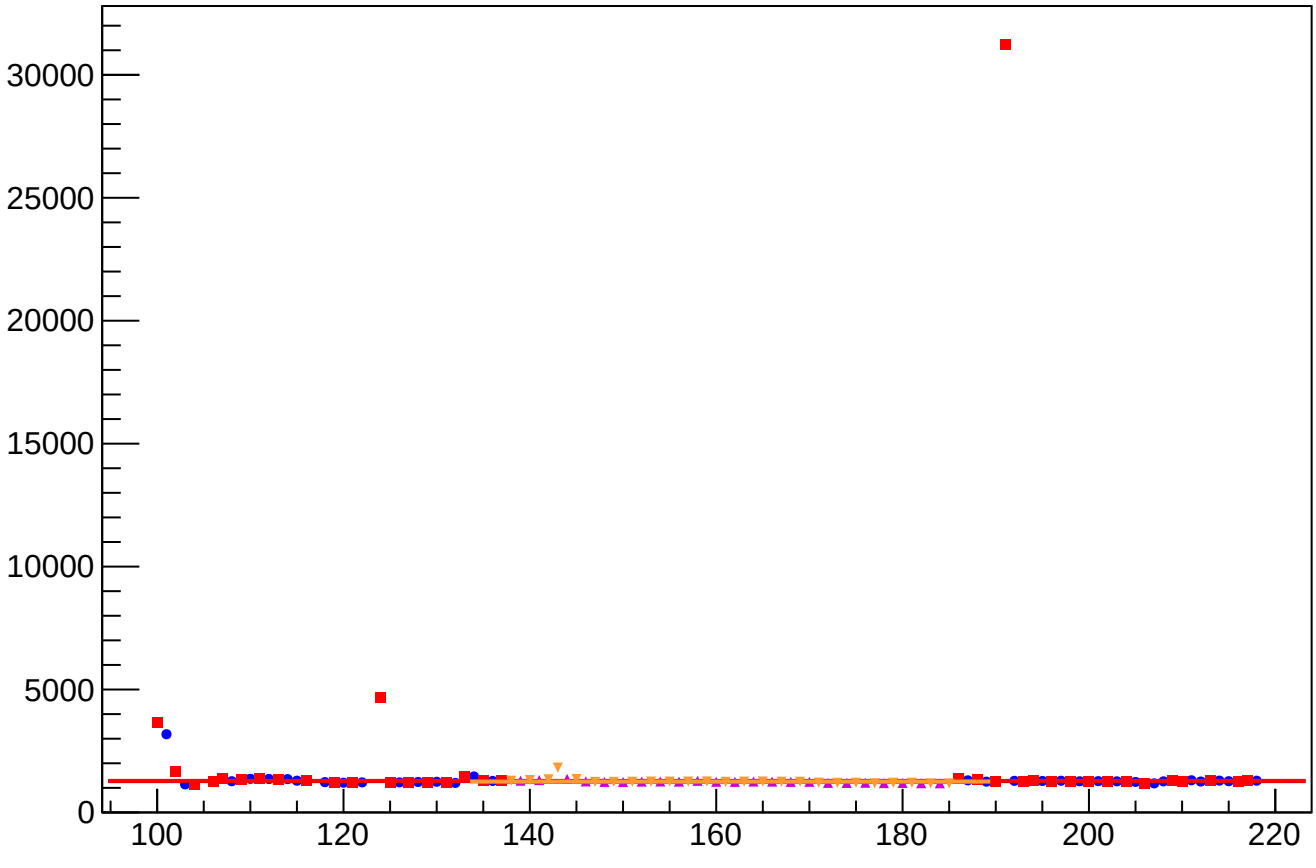
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -197.685+/-202.267 χ^2/NDF: 50.9/67

In: -338.633+/-203.843 χ^2/NDF:51.8/54

Out: -239.208+/-202.435 χ^2/NDF:62.8/60

All: -288.576+/-143.638 χ^2/NDF: 114.7/115



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: 1283.769+/-0.203 χ^2/NDF: 508275.4/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

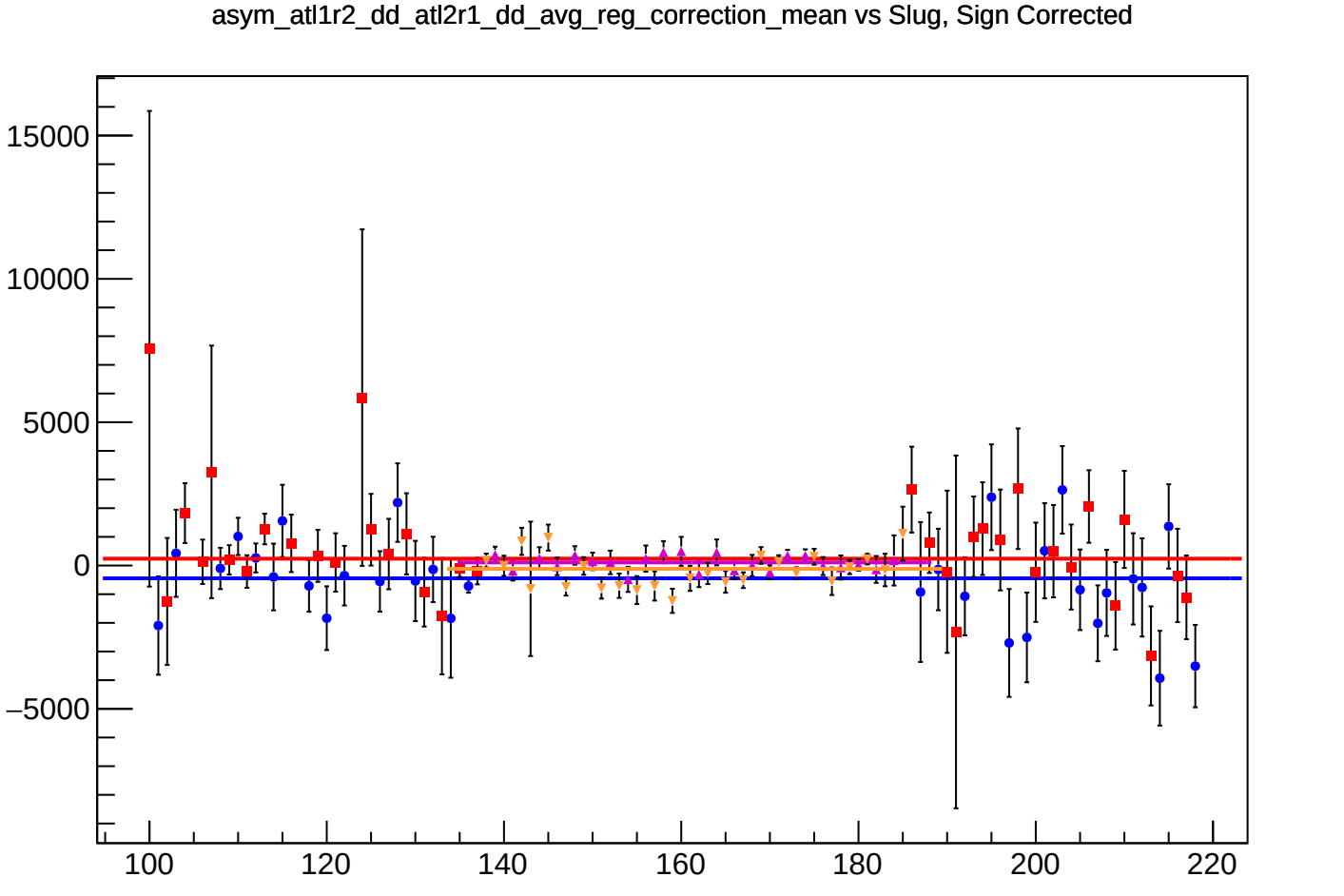
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.948+/-0.143 χ^2/NDF: 1043928.4/67

In: 1260.534+/-0.144 χ^2/NDF:583685.5/54

Out: 1269.608+/-0.143 χ^2/NDF:721140.5/60

All: 1265.102+/-0.102 χ^2/NDF: 1306821.1/11



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: 238.735+/-155.290 χ^2/NDF: 28.8/35

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

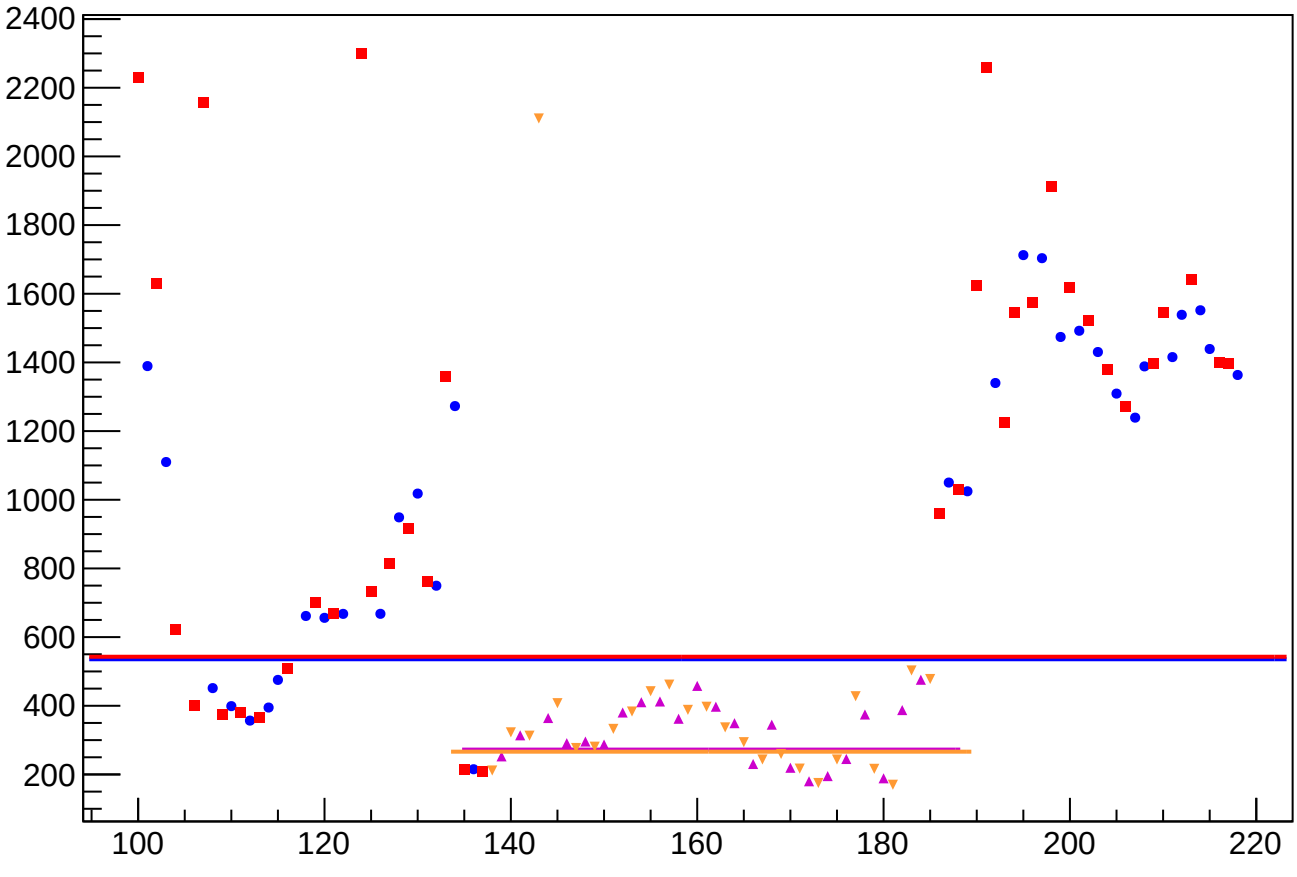
Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

Right: -105.461+/-109.526 χ^2/NDF: 79.4/67

In: 19.725+/-61.470 χ^2/NDF:65.3/54

Out: -63.908+/-60.006 χ^2/NDF:81.8/60

All: -23.100+/-42.939 χ^2/NDF: 148.0/115



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: 542.813+/-0.110 χ^2/NDF: 15813748.1/35

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

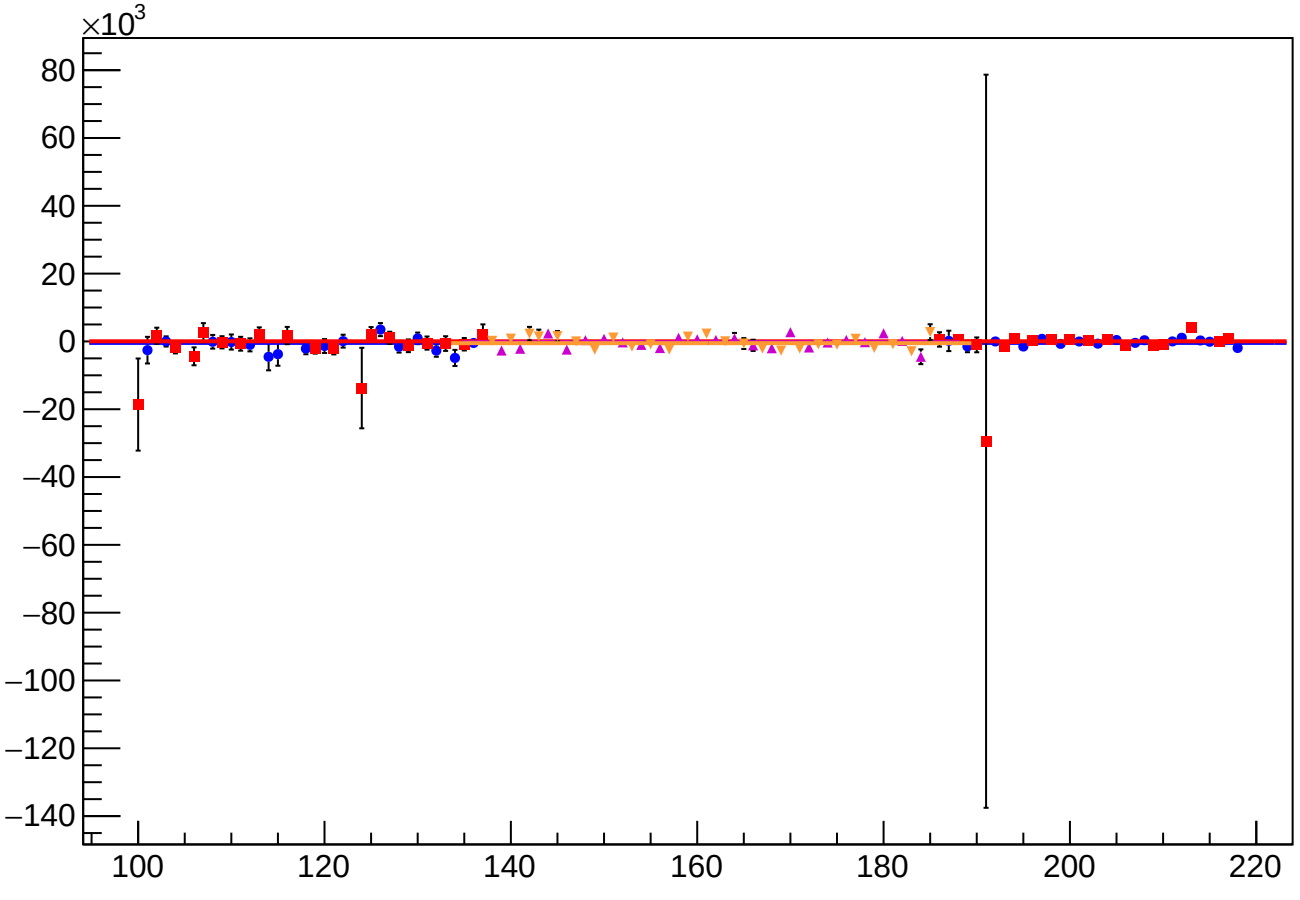
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 539.133+/-0.077 χ^2/NDF: 31756010.0/67

In: 314.019+/-0.043 χ^2/NDF:23710499.7/54

Out: 307.605+/-0.042 χ^2/NDF:25837482.8/60

All: 310.735+/-0.030 χ^2/NDF: 49559134.8/11



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: 38.571+/-286.735 χ^2/NDF: 30.1/35

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

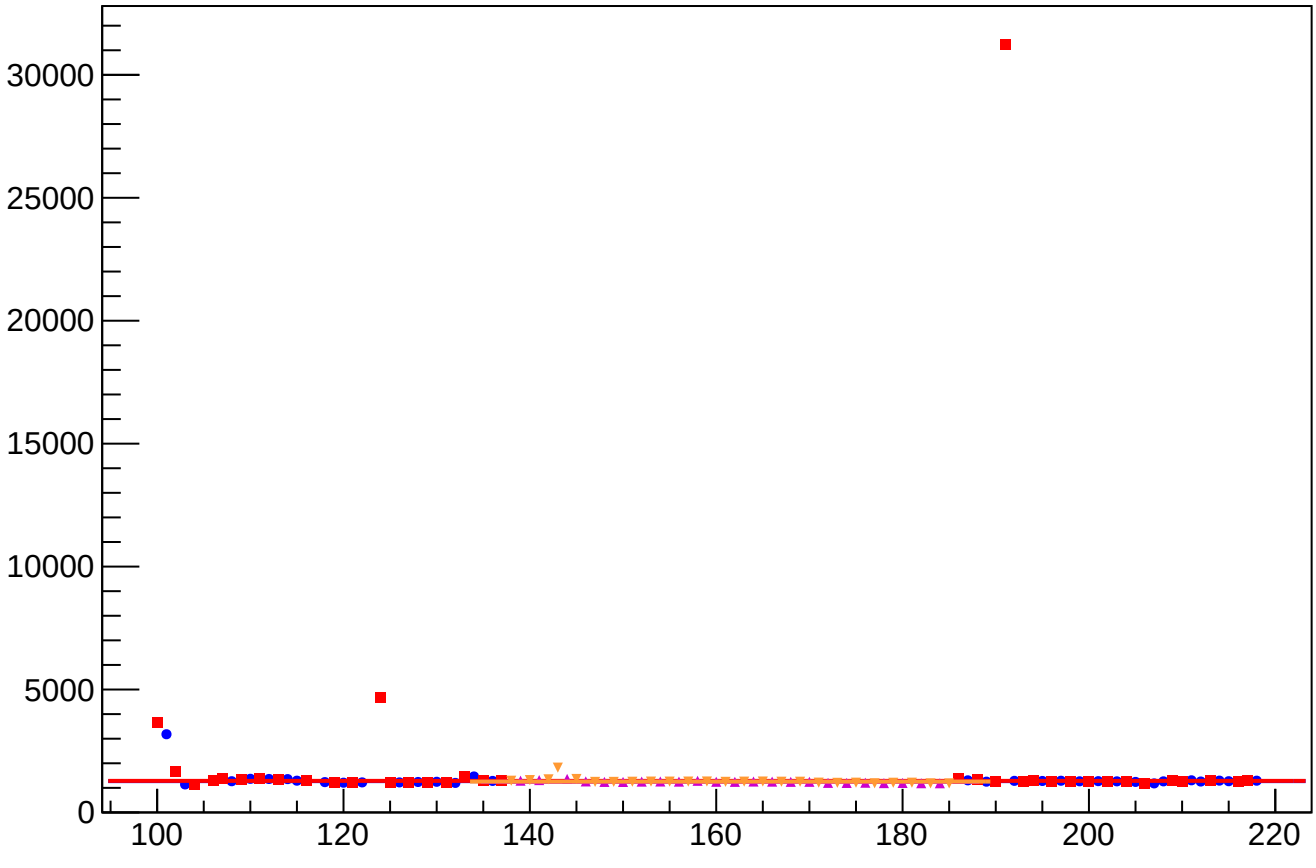
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -197.116+/-202.305 χ^2/NDF: 51.0/67

In: -338.554+/-203.843 χ^2/NDF:51.8/54

Out: -238.693+/-202.472 χ^2/NDF:62.9/60

All: -288.287+/-143.652 χ^2/NDF: 114.8/115



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: 1284.265+/-0.203 χ^2/NDF: 508255.1/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

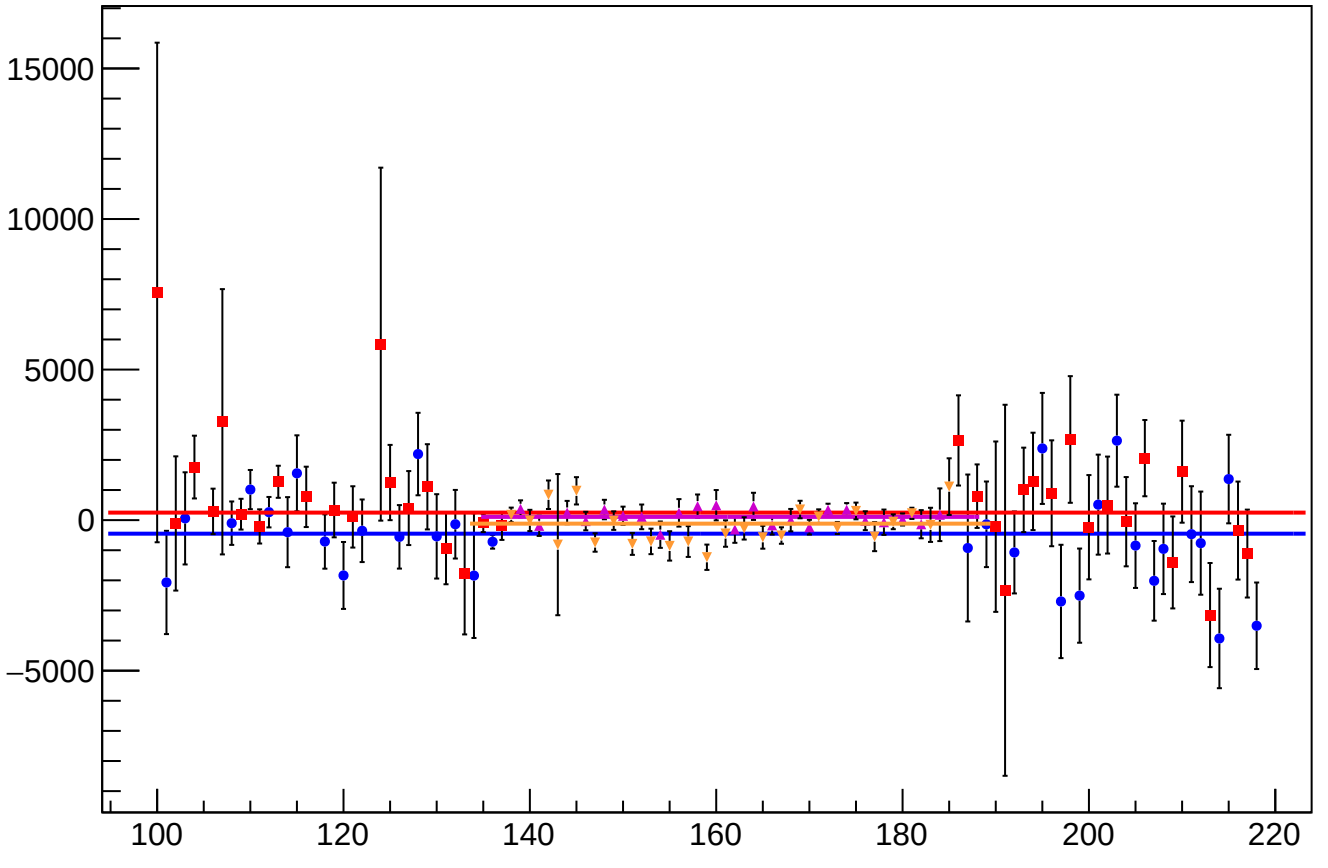
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1279.192+/-0.143 χ^2/NDF: 1044028.3/67

In: 1260.534+/-0.144 χ^2/NDF:583686.8/54

Out: 1269.850+/-0.143 χ^2/NDF:721460.8/60

All: 1265.223+/-0.102 χ^2/NDF: 1307250.1/11



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: 249.711+/-155.138 χ^2/NDF: 28.2/35

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

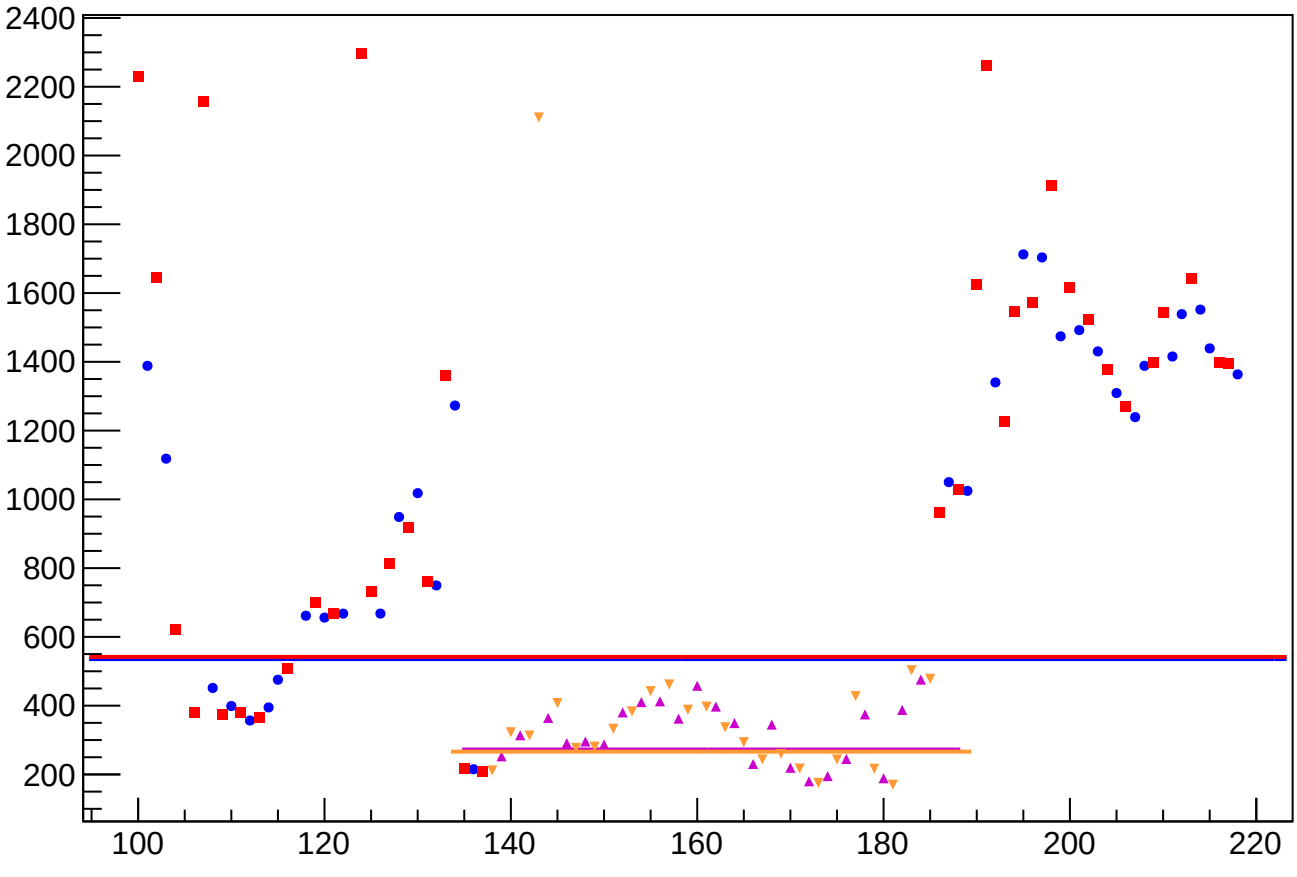
Right: -101.521+/-109.478 χ^2/NDF: 78.9/67

In: 19.236+/-61.472 χ^2/NDF:65.2/54

Out: -62.154+/-59.998 χ^2/NDF:81.4/60

All: -22.446+/-42.937 χ^2/NDF: 147.5/115

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: 541.712+/-0.110 χ^2/NDF: 15844382.5/35

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

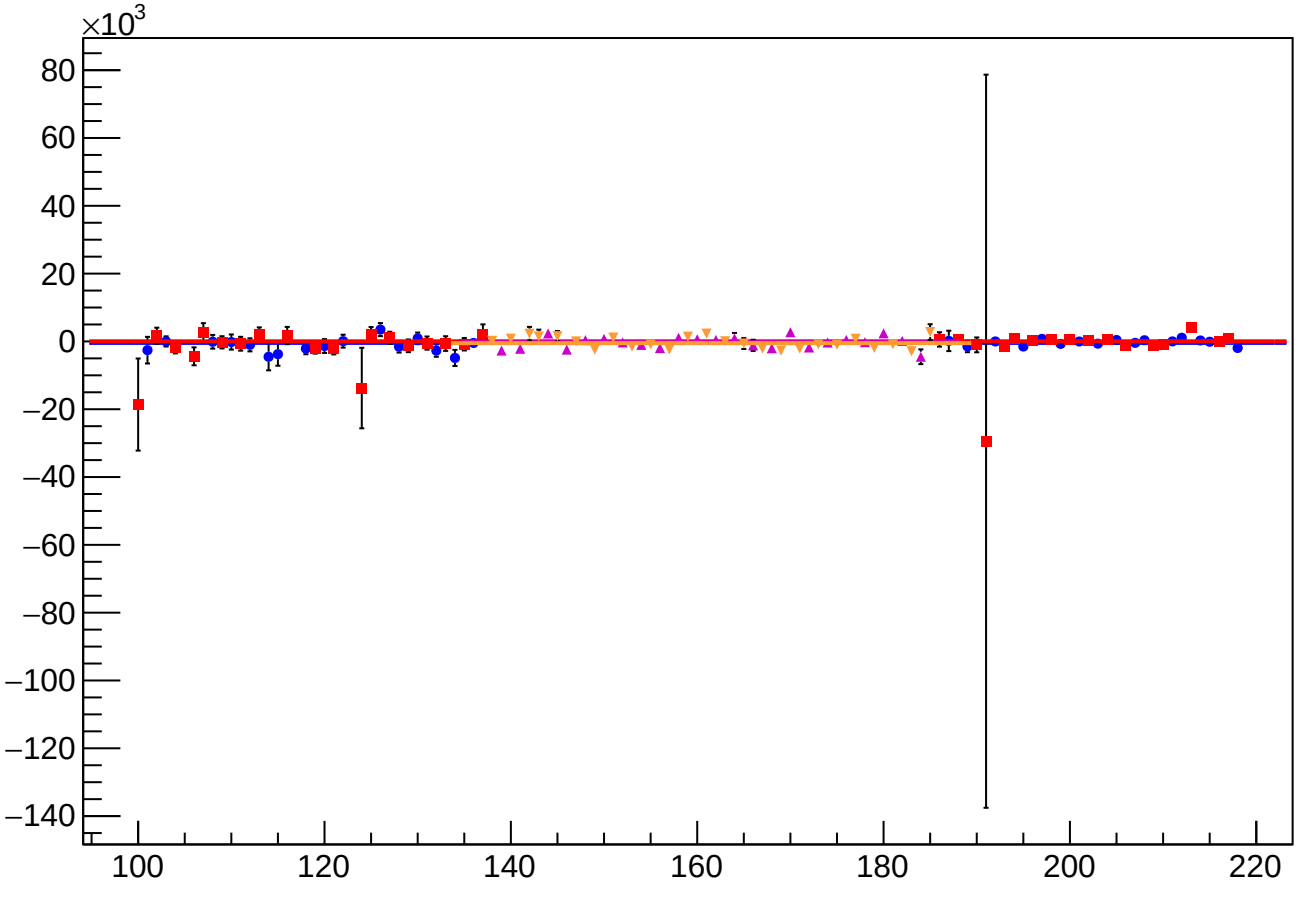
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 538.601+/-0.077 χ^2/NDF: 31788954.8/67

In: 314.026+/-0.043 χ^2/NDF:23712883.4/54

Out: 307.515+/-0.042 χ^2/NDF:25833975.6/60

All: 310.692+/-0.030 χ^2/NDF: 49558350.3/11



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: 38.571+/-286.735 χ^2/NDF: 30.1/35

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

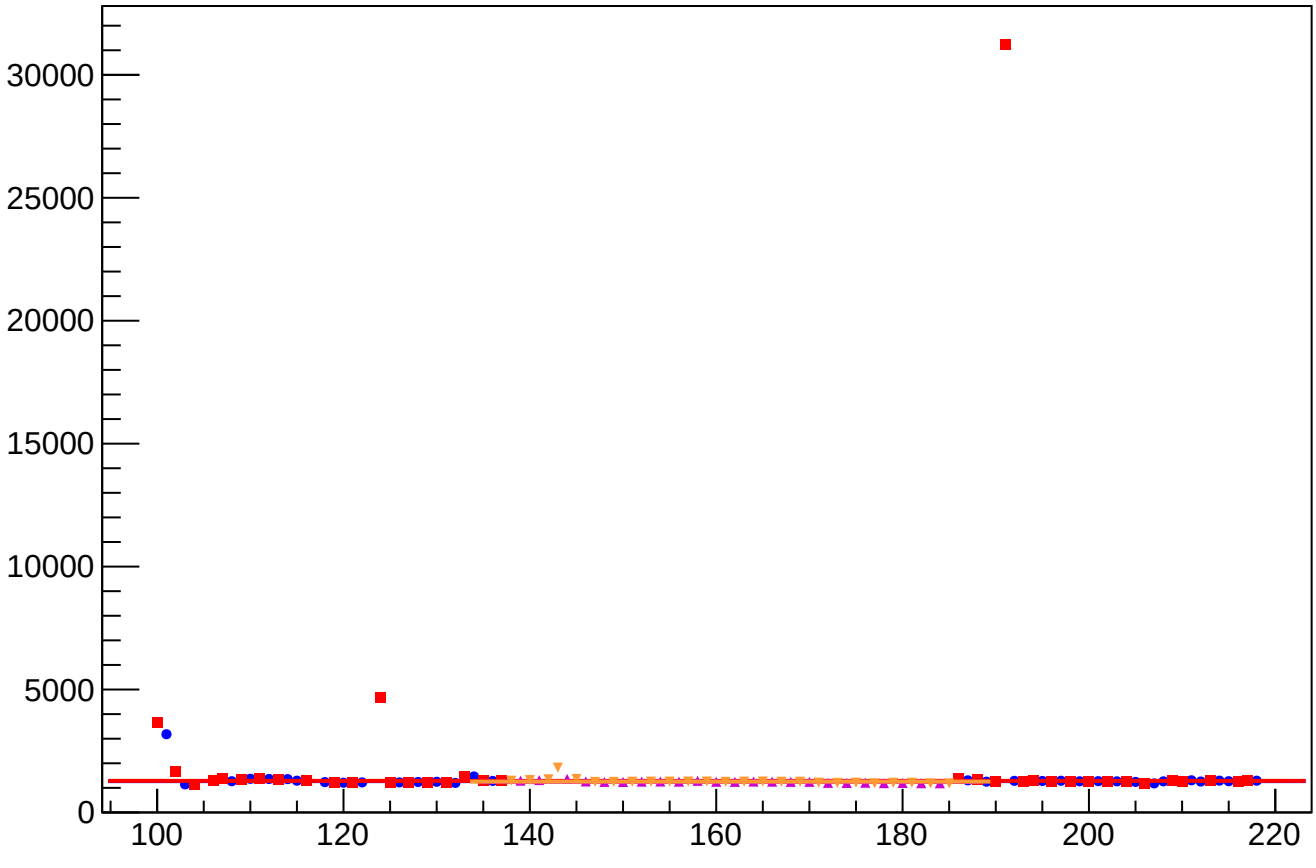
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -197.116+/-202.305 χ^2/NDF: 51.0/67

In: -338.554+/-203.843 χ^2/NDF:51.8/54

Out: -238.693+/-202.472 χ^2/NDF:62.9/60

All: -288.287+/-143.652 χ^2/NDF: 114.8/115



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: 1284.265+/-0.203 χ^2/NDF: 508255.1/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

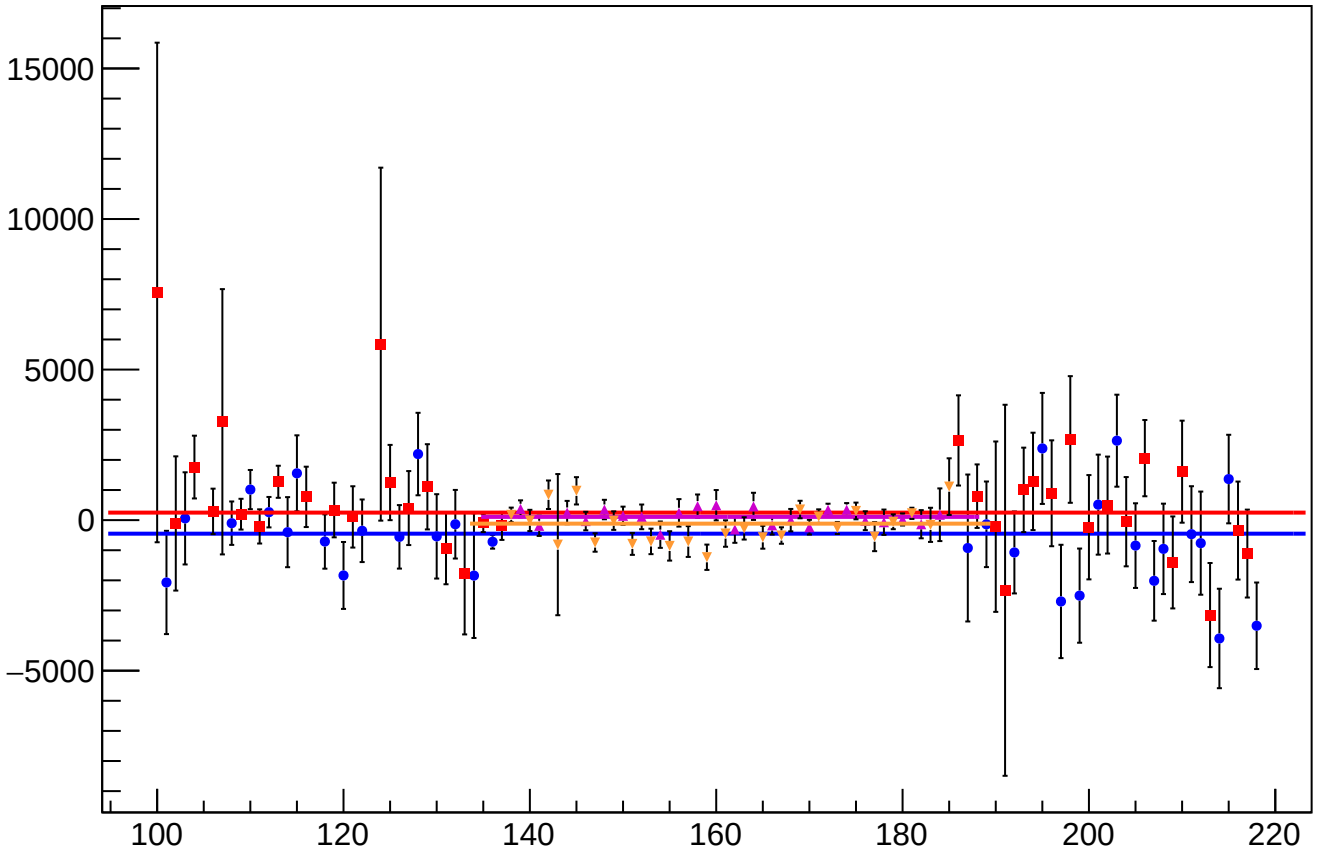
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1279.192+/-0.143 χ^2/NDF: 1044028.3/67

In: 1260.534+/-0.144 χ^2/NDF:583686.8/54

Out: 1269.850+/-0.143 χ^2/NDF:721460.8/60

All: 1265.223+/-0.102 χ^2/NDF: 1307250.1/11



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: 249.711+/-155.138 χ^2/NDF: 28.2/35

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

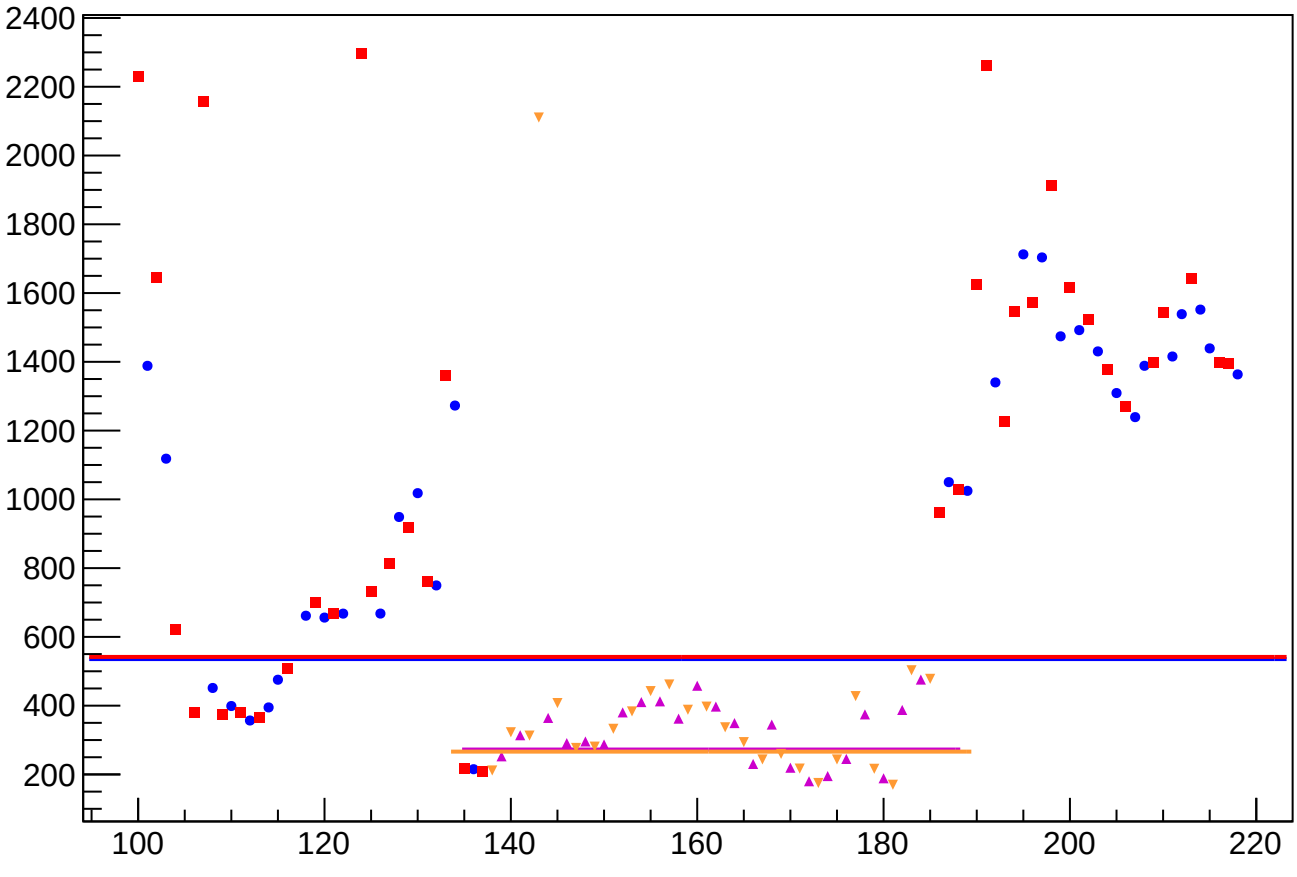
Right: -101.521+/-109.478 χ^2/NDF: 78.9/67

In: 19.236+/-61.472 χ^2/NDF:65.2/54

Out: -62.154+/-59.998 χ^2/NDF:81.4/60

All: -22.446+/-42.937 χ^2/NDF: 147.5/115

asym_atl1r2_dd_atl2r1_dd_avg_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: 541.712+/-0.110 χ^2/NDF: 15844382.5/35

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

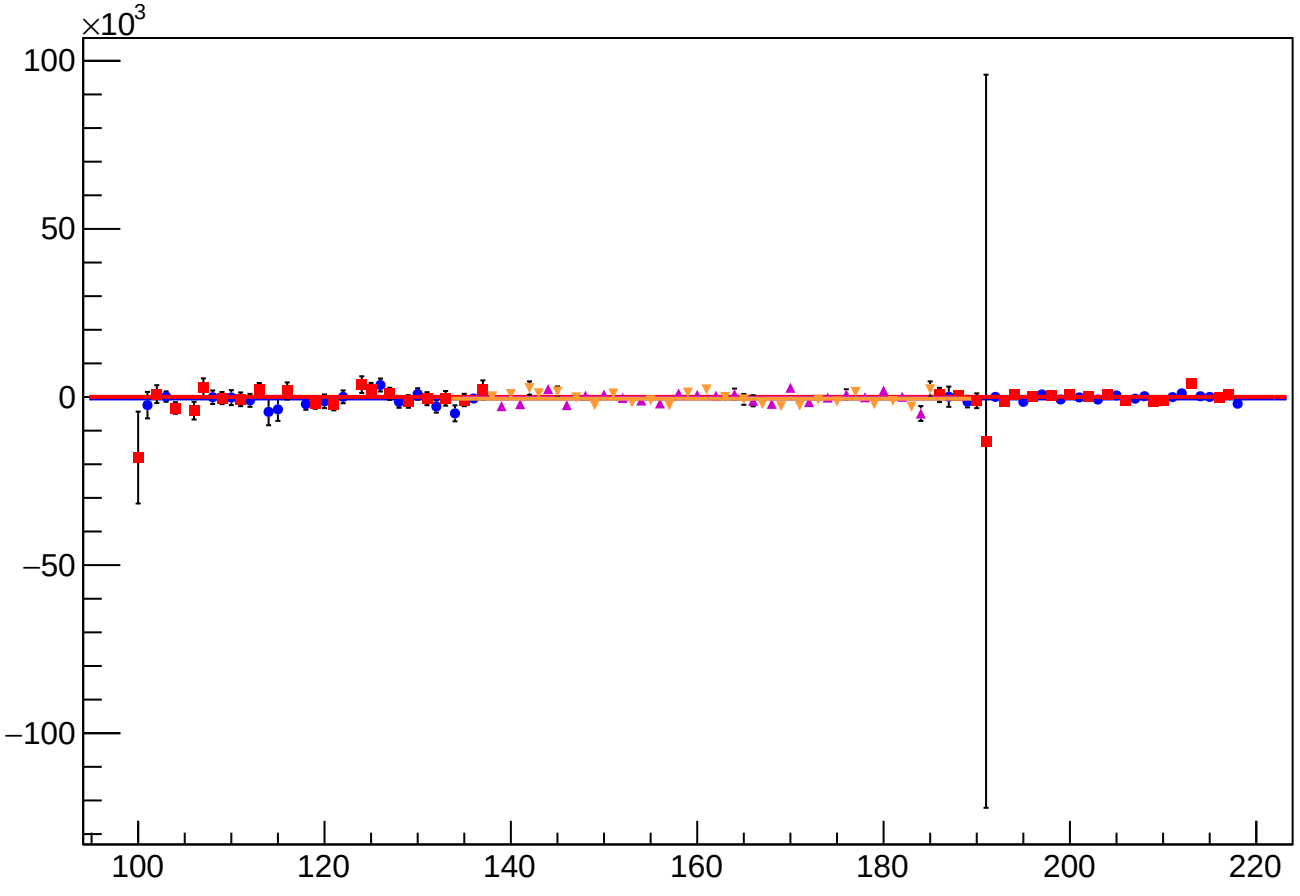
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 538.601+/-0.077 χ^2/NDF: 31788954.8/67

In: 314.026+/-0.043 χ^2/NDF:23712883.4/54

Out: 307.515+/-0.042 χ^2/NDF:25833975.6/60

All: 310.692+/-0.030 χ^2/NDF: 49558350.3/11



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: 39.237+/-286.290 χ^2/NDF: 32.0/35

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

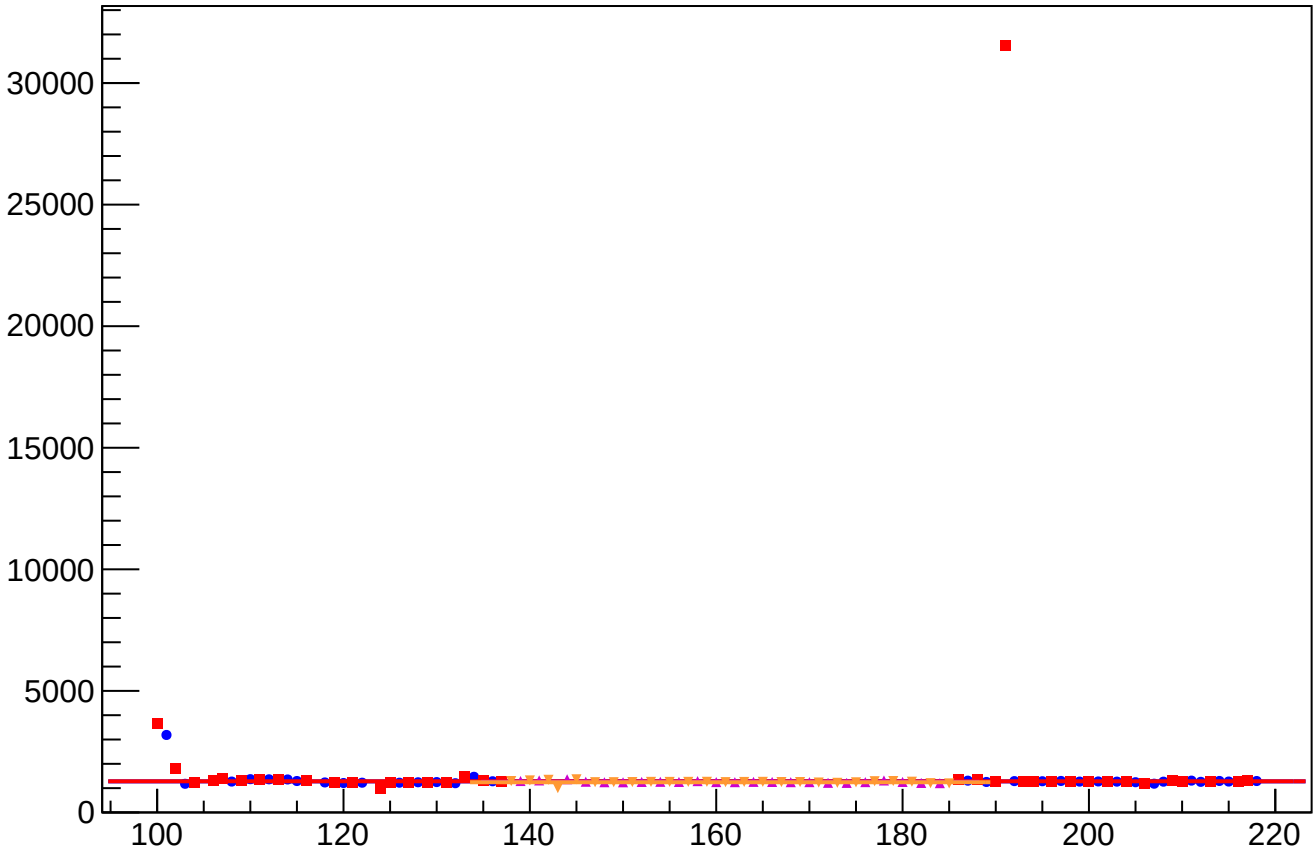
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -193.007+/-202.410 χ^2/NDF: 52.9/67

In: -336.127+/-205.195 χ^2/NDF:50.5/54

Out: -230.428+/-201.168 χ^2/NDF:68.0/60

All: -282.230+/-143.650 χ^2/NDF: 118.6/115



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: 1282.328+/-0.202 χ^2/NDF: 388682.7/35

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

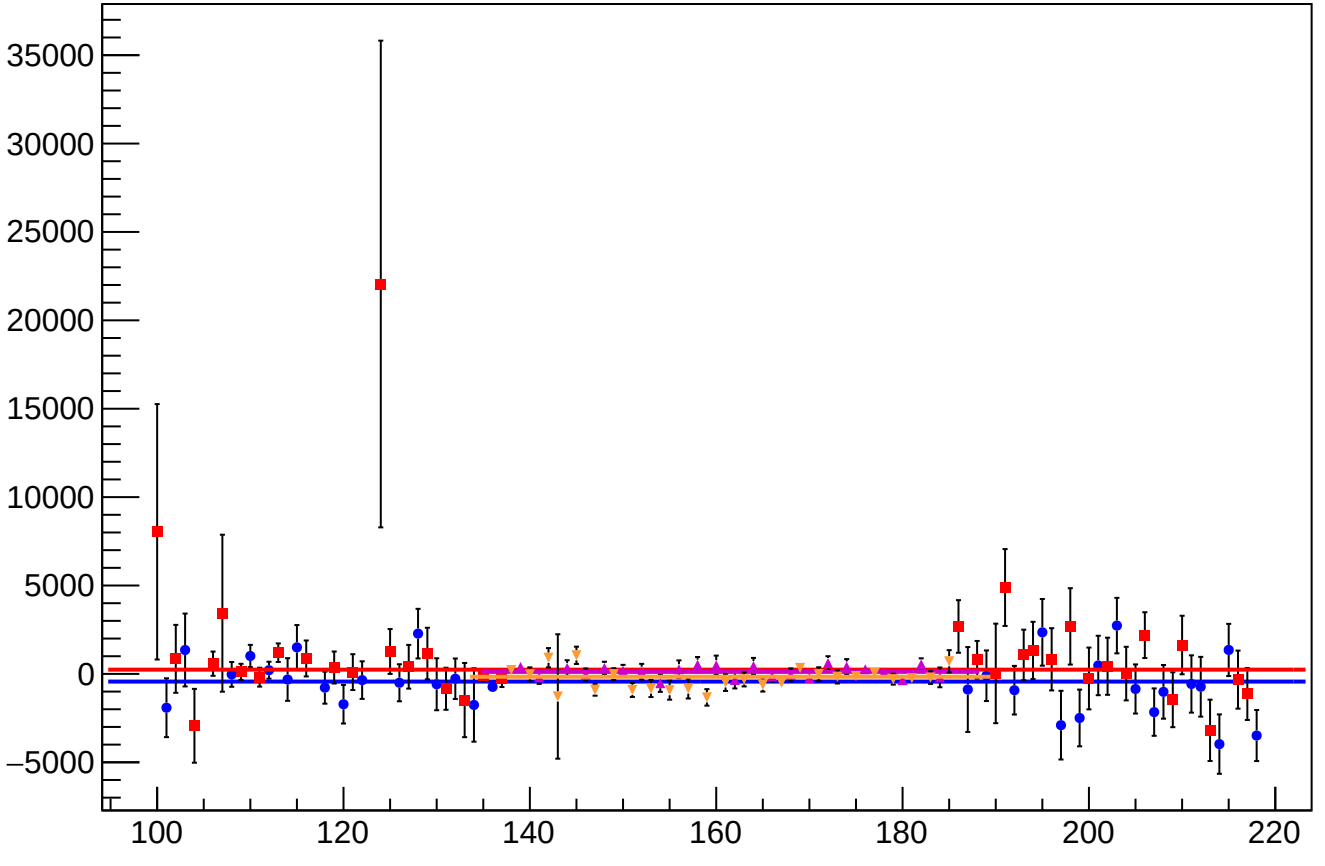
Right: 1279.927+/-0.143 χ^2/NDF: 916008.9/67

In: 1269.055+/-0.145 χ^2/NDF:558584.2/54

Out: 1262.185+/-0.142 χ^2/NDF:538262.3/60

All: 1265.552+/-0.102 χ^2/NDF: 1097989.8/11

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: 240.820+/-155.221 χ^2/NDF: 35.0/35

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

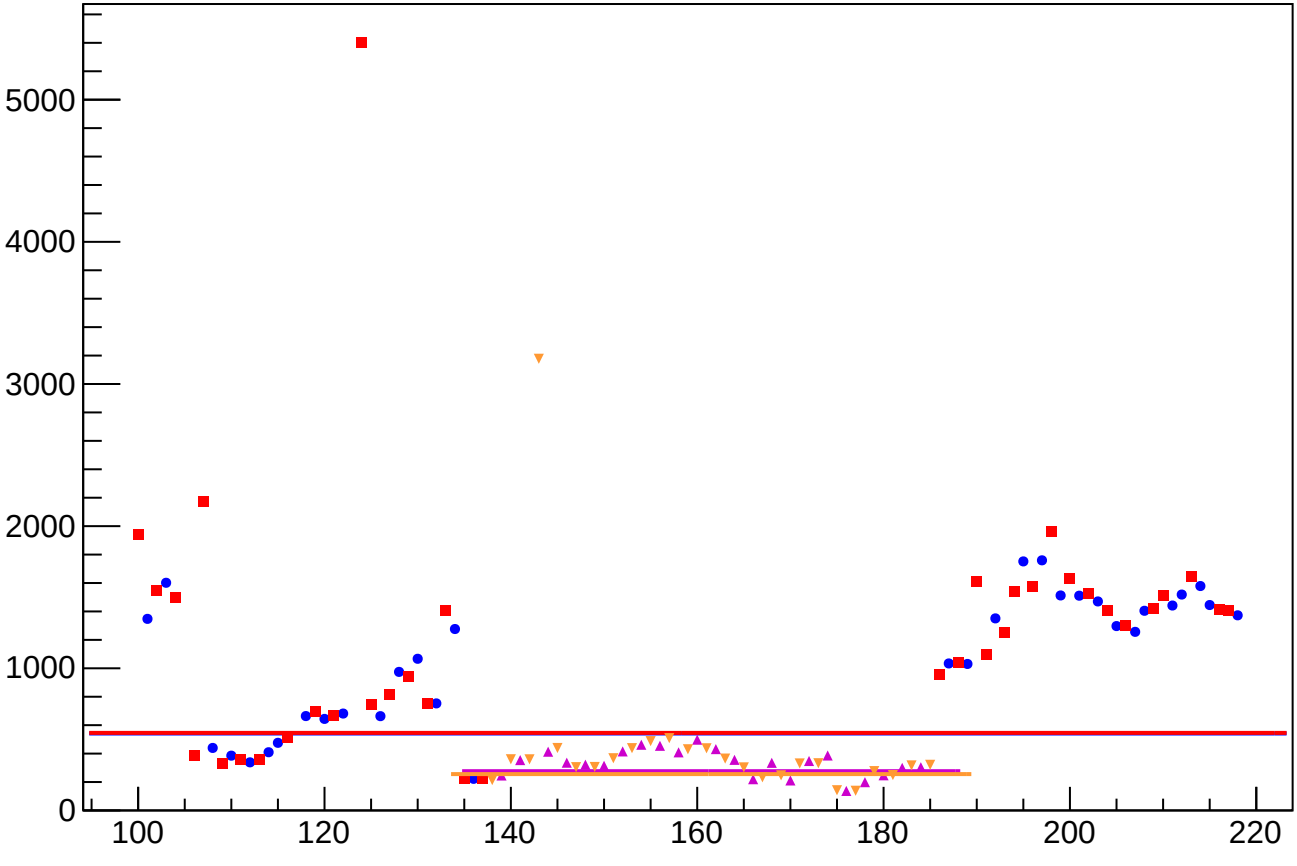
Right: -94.501+/-110.074 χ^2/NDF: 85.4/67

In: 24.608+/-62.989 χ^2/NDF:69.5/54

Out: -102.348+/-59.273 χ^2/NDF:84.5/60

All: -42.725+/-43.166 χ^2/NDF: 156.1/115

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: 545.650+/-0.110 χ^2/NDF: 16355148.3/35

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

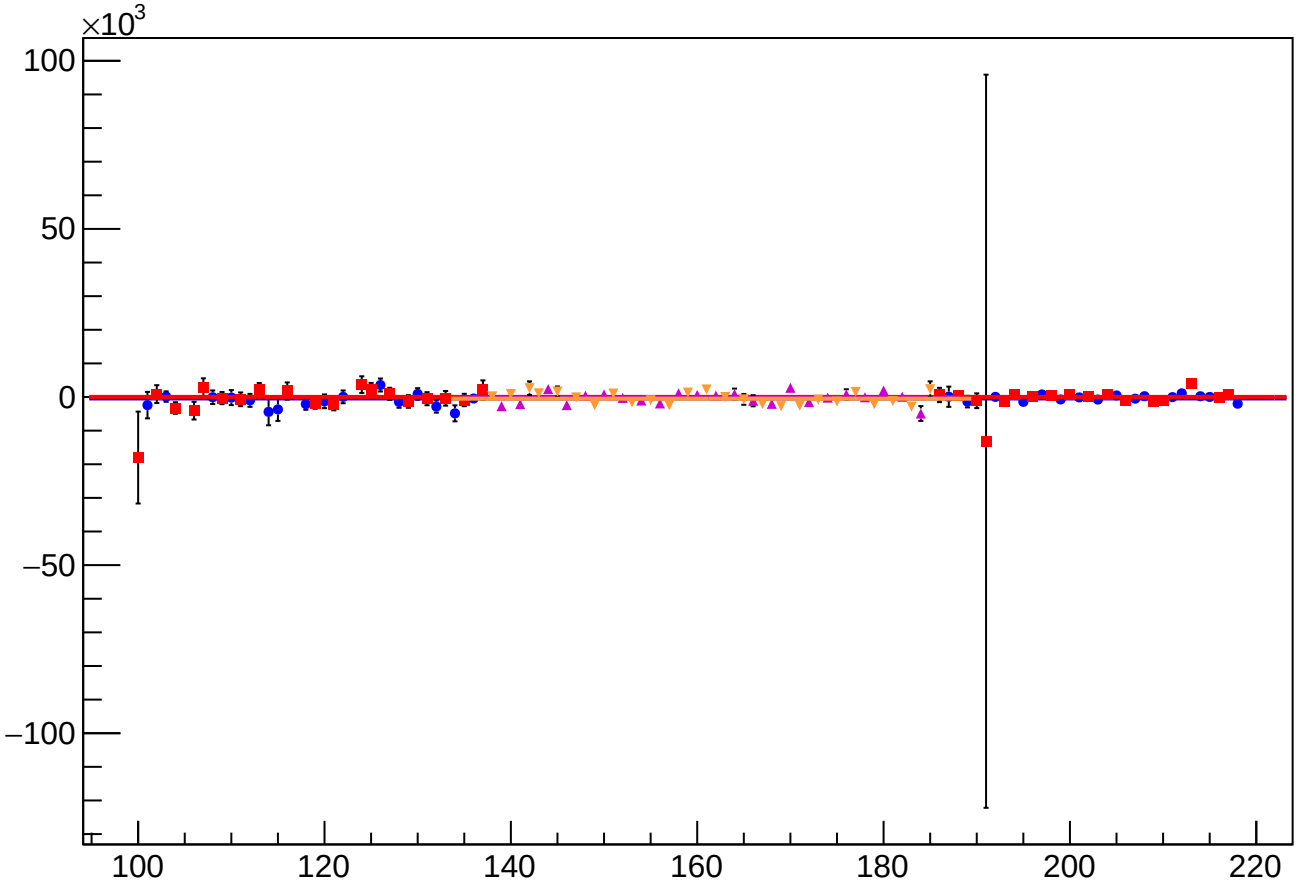
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 543.552+/-0.078 χ^2/NDF: 32433543.0/67

In: 319.458+/-0.045 χ^2/NDF:24934254.6/54

Out: 298.038+/-0.042 χ^2/NDF:28687387.3/60

All: 308.097+/-0.031 χ^2/NDF: 53744301.6/11



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: 39.236+/-286.290 χ^2/NDF: 32.0/35

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

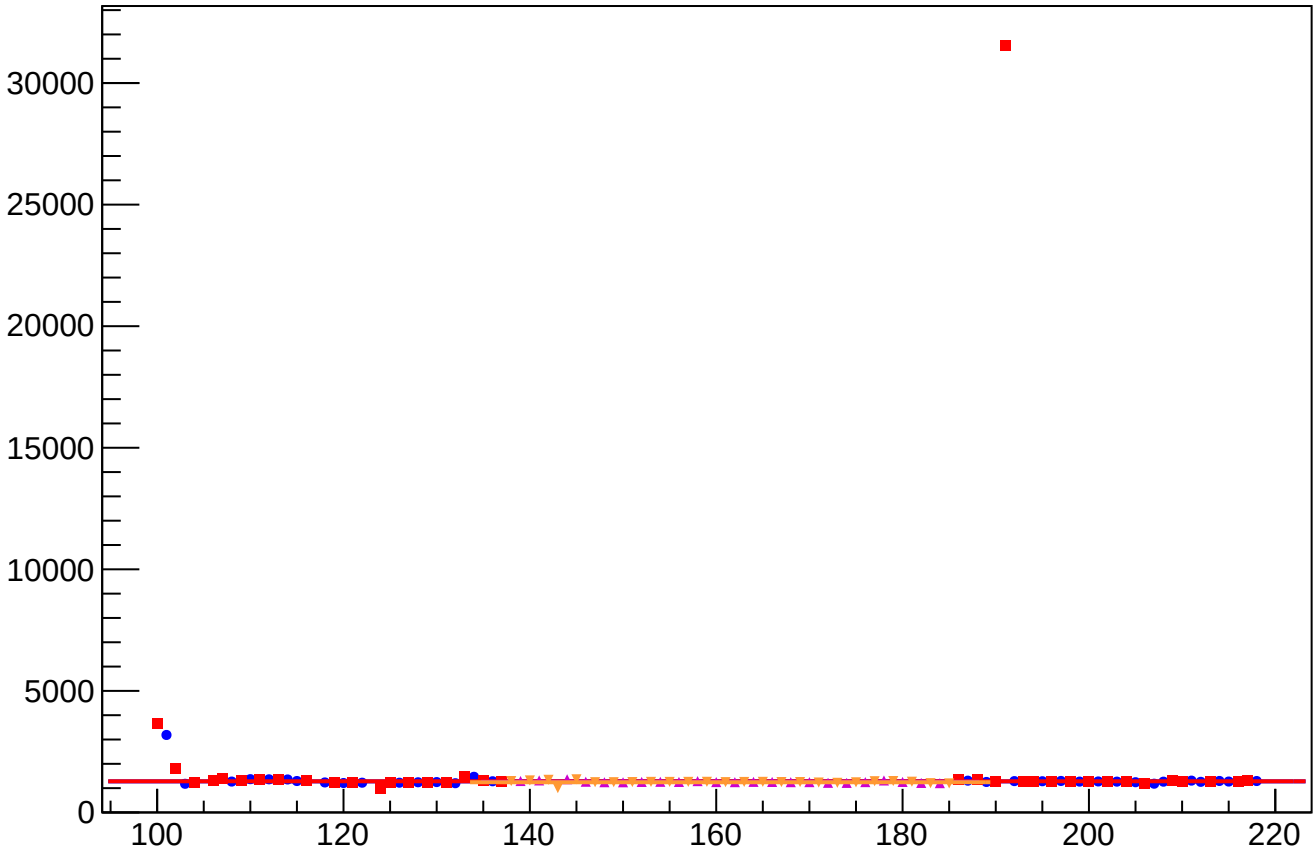
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -193.006+/-202.410 χ^2/NDF: 52.9/67

In: -336.126+/-205.195 χ^2/NDF:50.5/54

Out: -230.428+/-201.168 χ^2/NDF:68.0/60

All: -282.230+/-143.650 χ^2/NDF: 118.6/115



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: 1282.327+/-0.202 χ^2/NDF: 388683.0/35

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

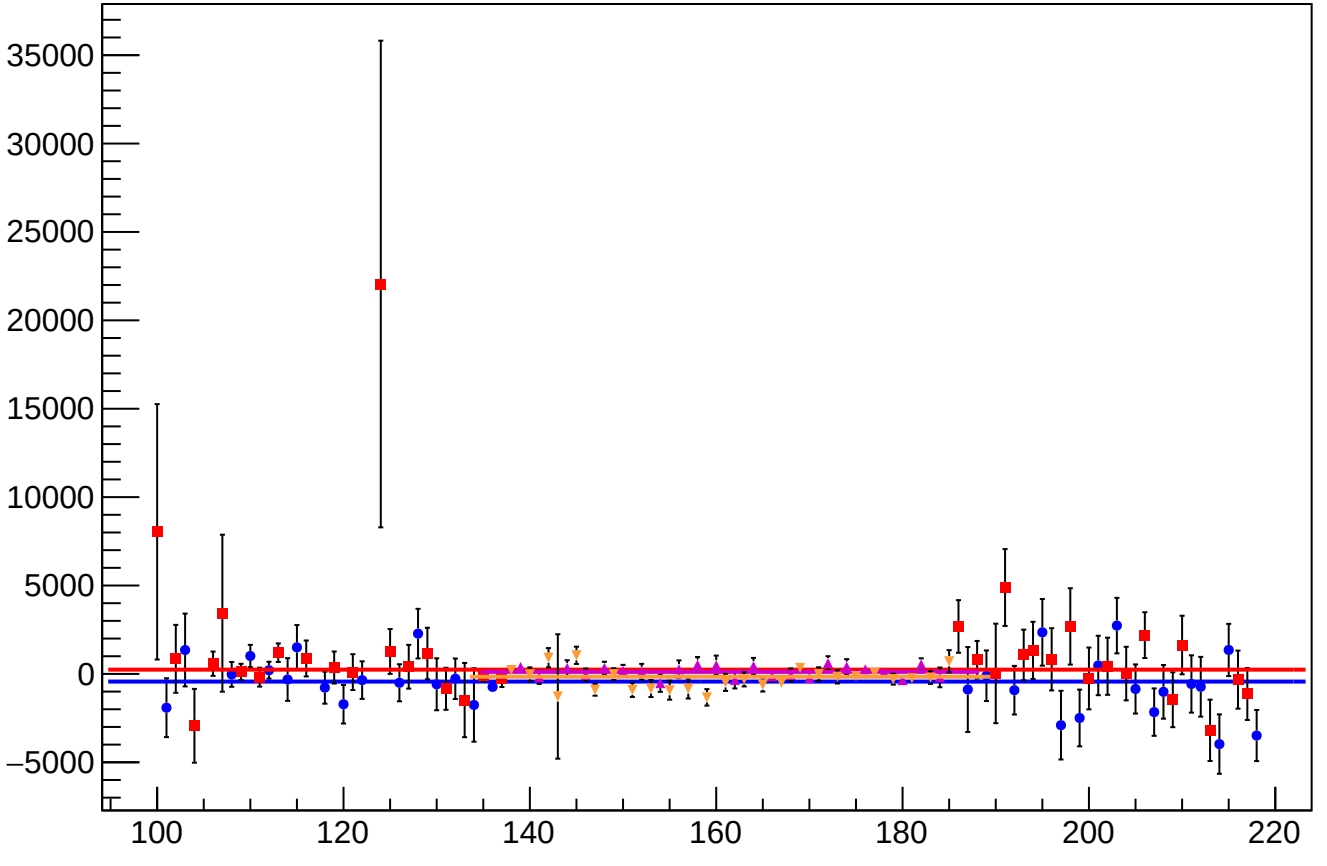
Right: 1279.927+/-0.143 χ^2/NDF: 916009.2/67

In: 1269.055+/-0.145 χ^2/NDF:558584.2/54

Out: 1262.185+/-0.142 χ^2/NDF:538261.8/60

All: 1265.552+/-0.102 χ^2/NDF: 1097989.3/11

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 240.827+/-155.223 χ^2/NDF: 35.0/35

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

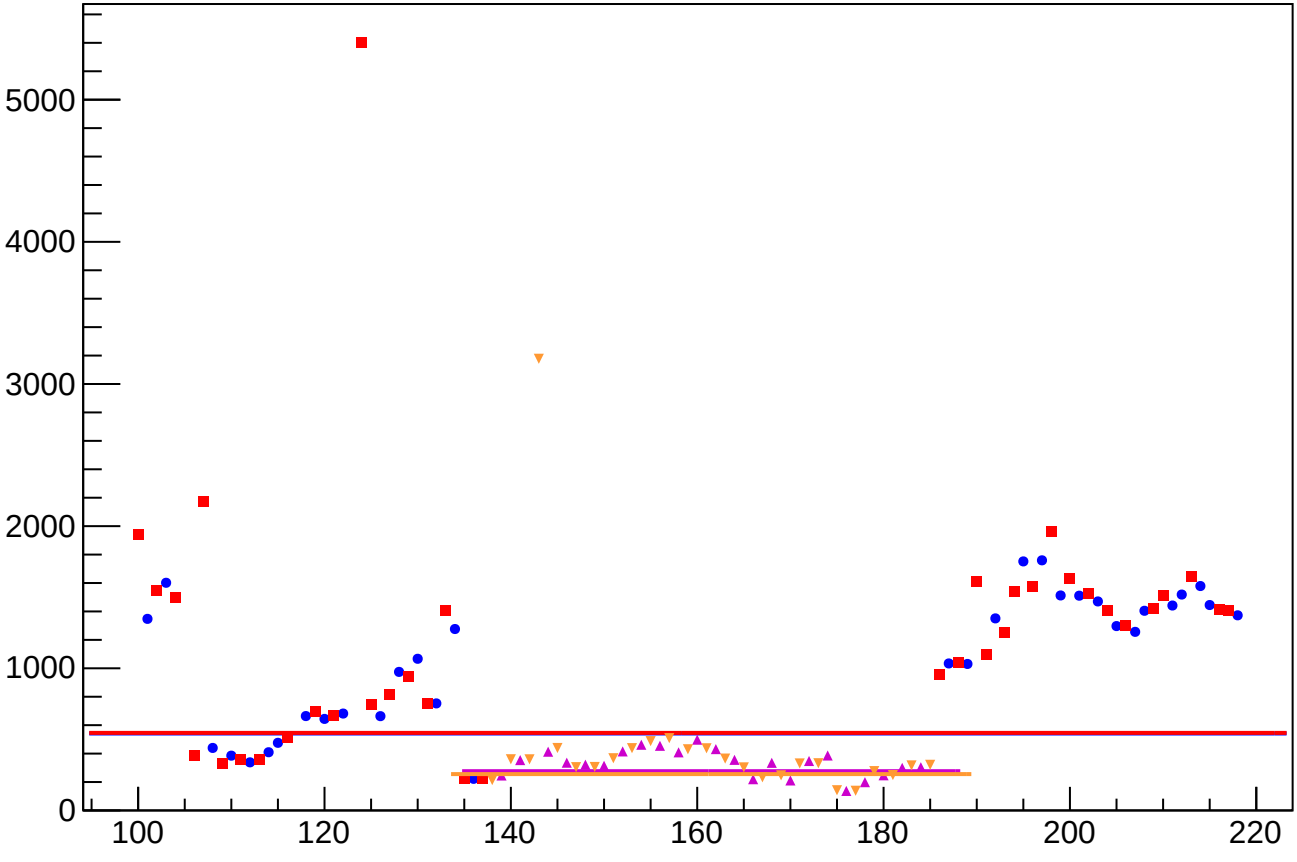
Right: -94.498+/-110.075 χ^2/NDF: 85.4/67

In: 24.608+/-62.989 χ^2/NDF:69.5/54

Out: -102.350+/-59.273 χ^2/NDF:84.5/60

All: -42.726+/-43.166 χ^2/NDF: 156.1/115

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: 545.661+/-0.110 χ^2/NDF: 16354804.0/35

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

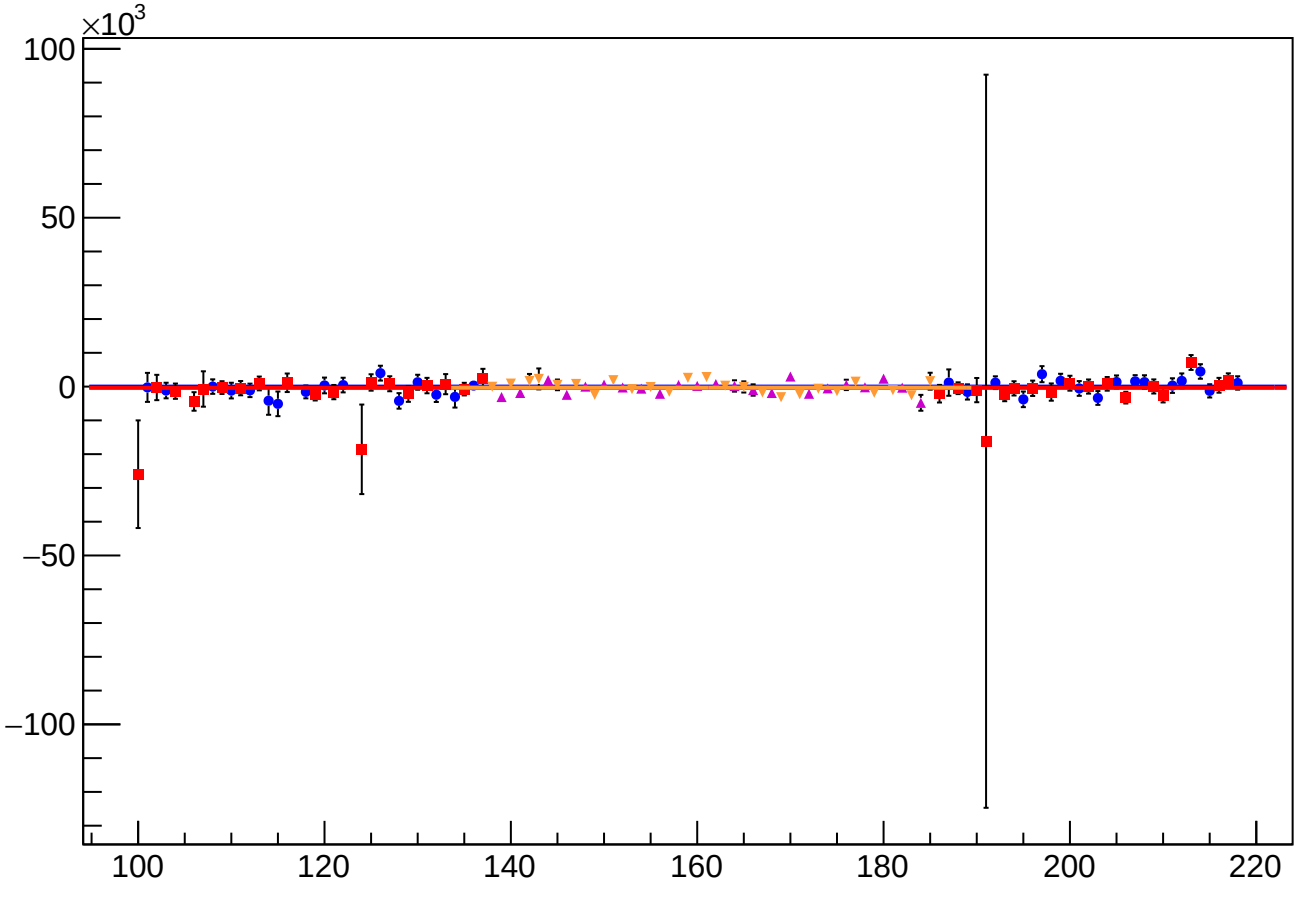
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 543.563+/-0.078 χ^2/NDF: 32432727.7/67

In: 319.459+/-0.045 χ^2/NDF:24934086.5/54

Out: 298.040+/-0.042 χ^2/NDF:28687184.0/60

All: 308.099+/-0.031 χ^2/NDF: 53743924.0/11



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: -376.597+/-389.381 χ^2/NDF: 30.7/35

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

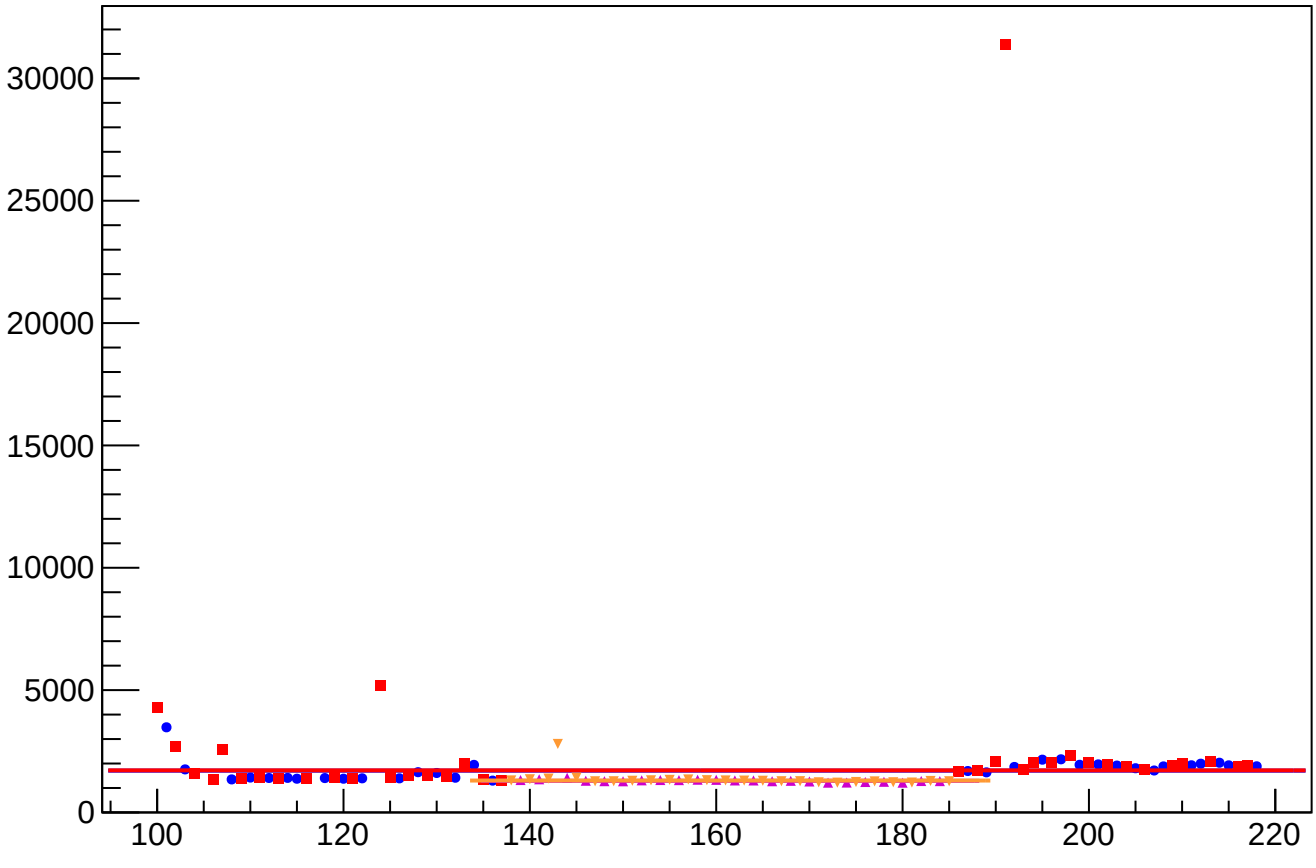
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -188.995+/-274.430 χ^2/NDF: 61.7/67

In: -222.936+/-238.000 χ^2/NDF:60.7/54

Out: -340.768+/-236.784 χ^2/NDF:62.3/60

All: -282.154+/-167.860 χ^2/NDF: 123.1/115



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: 1720.339+/-0.275 χ^2/NDF: 1537129.1/35

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

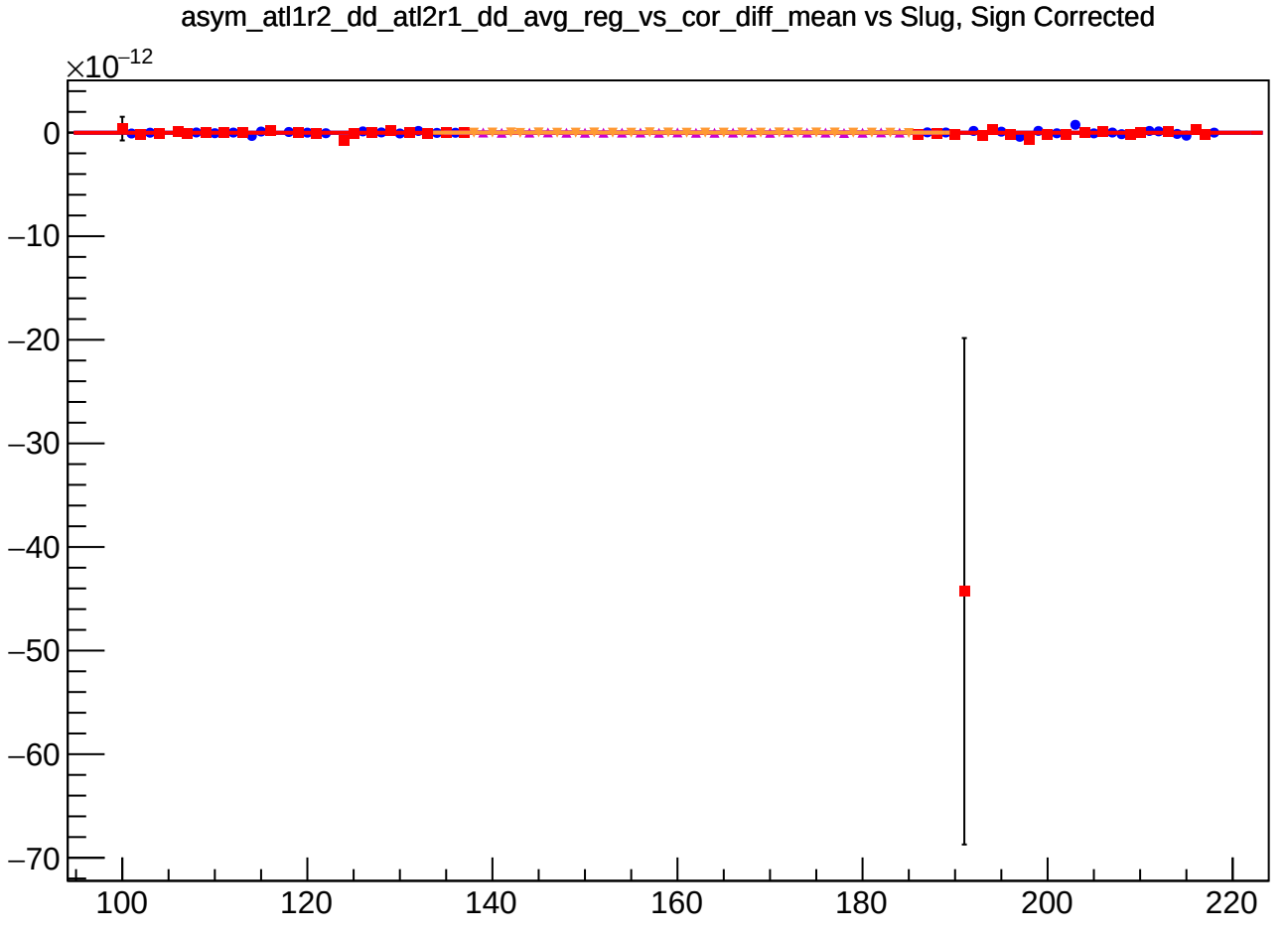
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1714.262+/-0.194 χ^2/NDF: 2834866.7/67

In: 1449.644+/-0.168 χ^2/NDF:2783498.2/54

Out: 1458.057+/-0.167 χ^2/NDF:3496649.6/60

All: 1453.872+/-0.119 χ^2/NDF: 6281403.9/11



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: 43.7/35

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

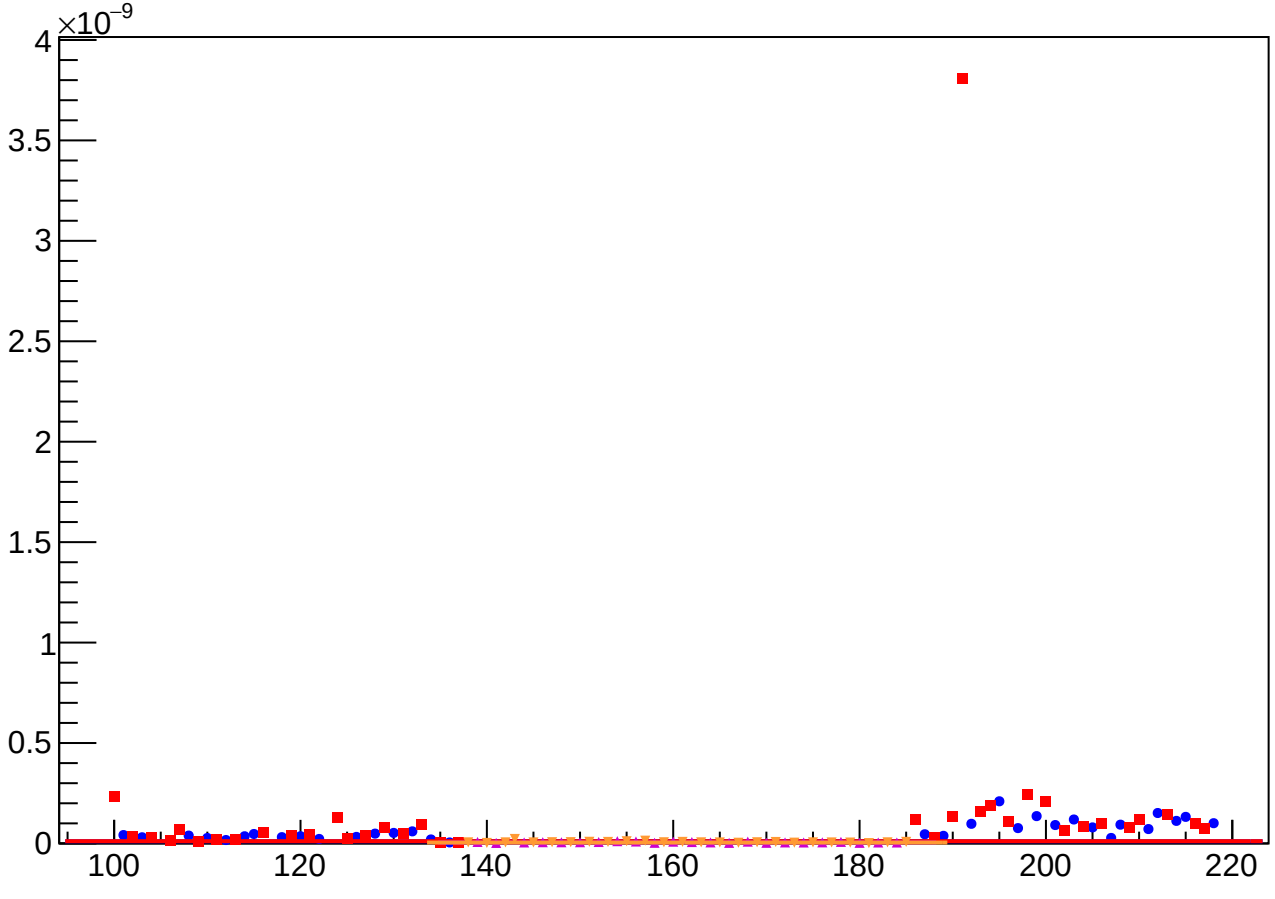
Right: -0.000+/-0.000 χ^2/NDF: 77.9/67

In: -0.000+/-0.000 χ^2/NDF:65.8/54

Out: -0.000+/-0.000 χ^2/NDF:70.9/60

All: -0.000+/-0.000 χ^2/NDF: 137.0/115

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: 12261856.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

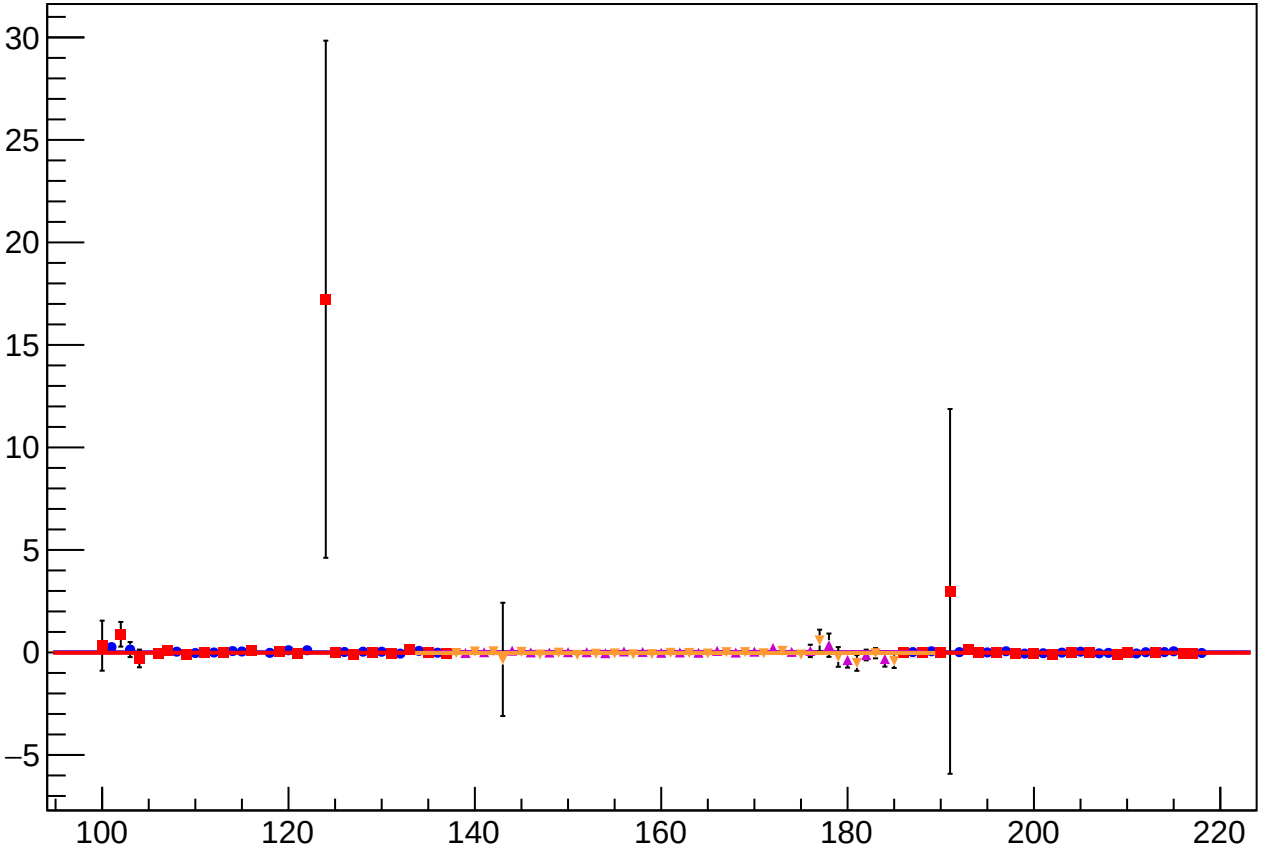
Right: 0.000+/-0.000 χ^2/NDF: 23045933.6/67

In: 0.000+/-0.000 χ^2/NDF:13922319.1/54

Out: 0.000+/-0.000 χ^2/NDF:16430213.8/60

All: 0.000+/-0.000 χ^2/NDF: 30383817.8/115

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: -0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

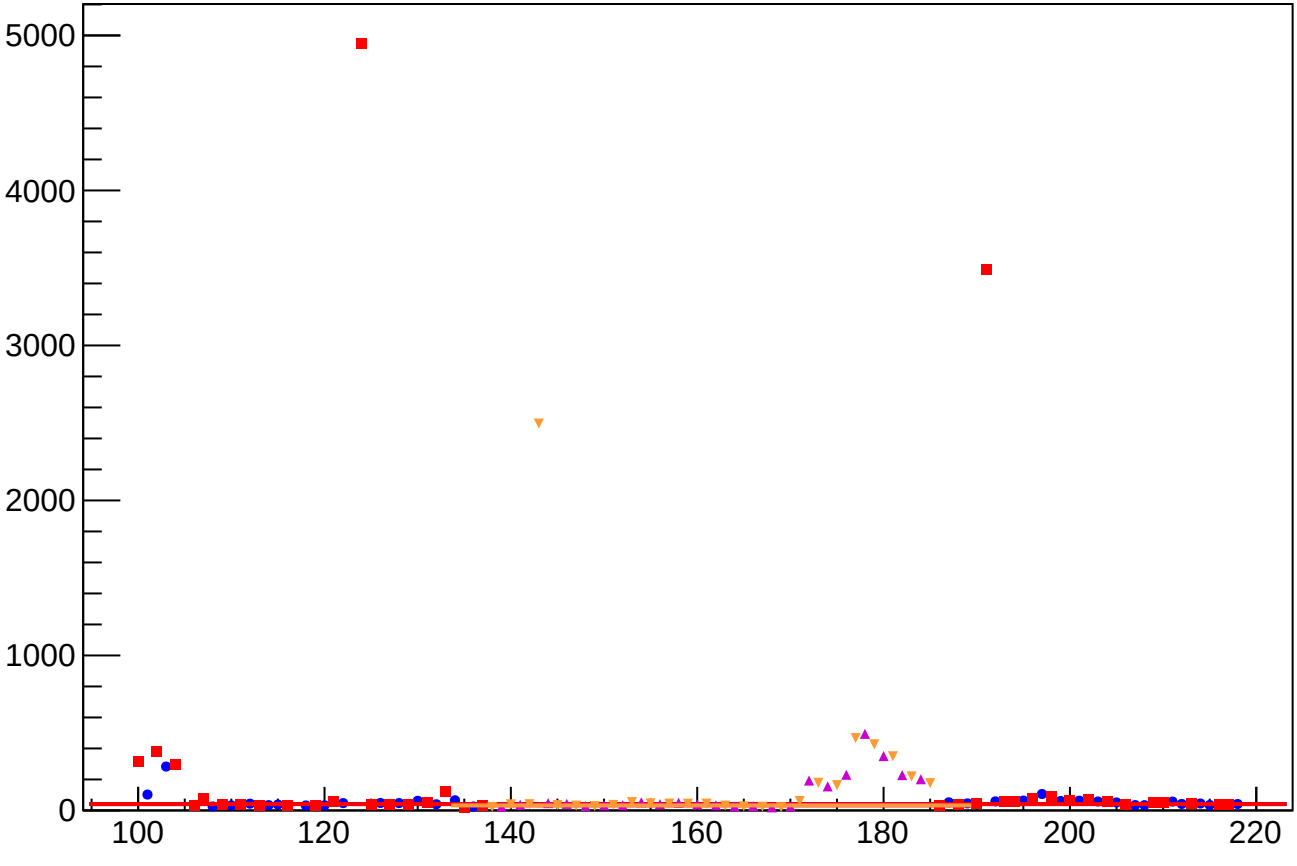
Right: -0.004+/-0.007 χ^2/NDF: 48.6/67

In: 0.009+/-0.007 χ^2/NDF:32.4/54

Out: -0.022+/-0.007 χ^2/NDF:56.1/60

All: -0.006+/-0.005 χ^2/NDF: 98.4/115

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: 41.043+/-0.007 χ^2/NDF: 5538326.8/35

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

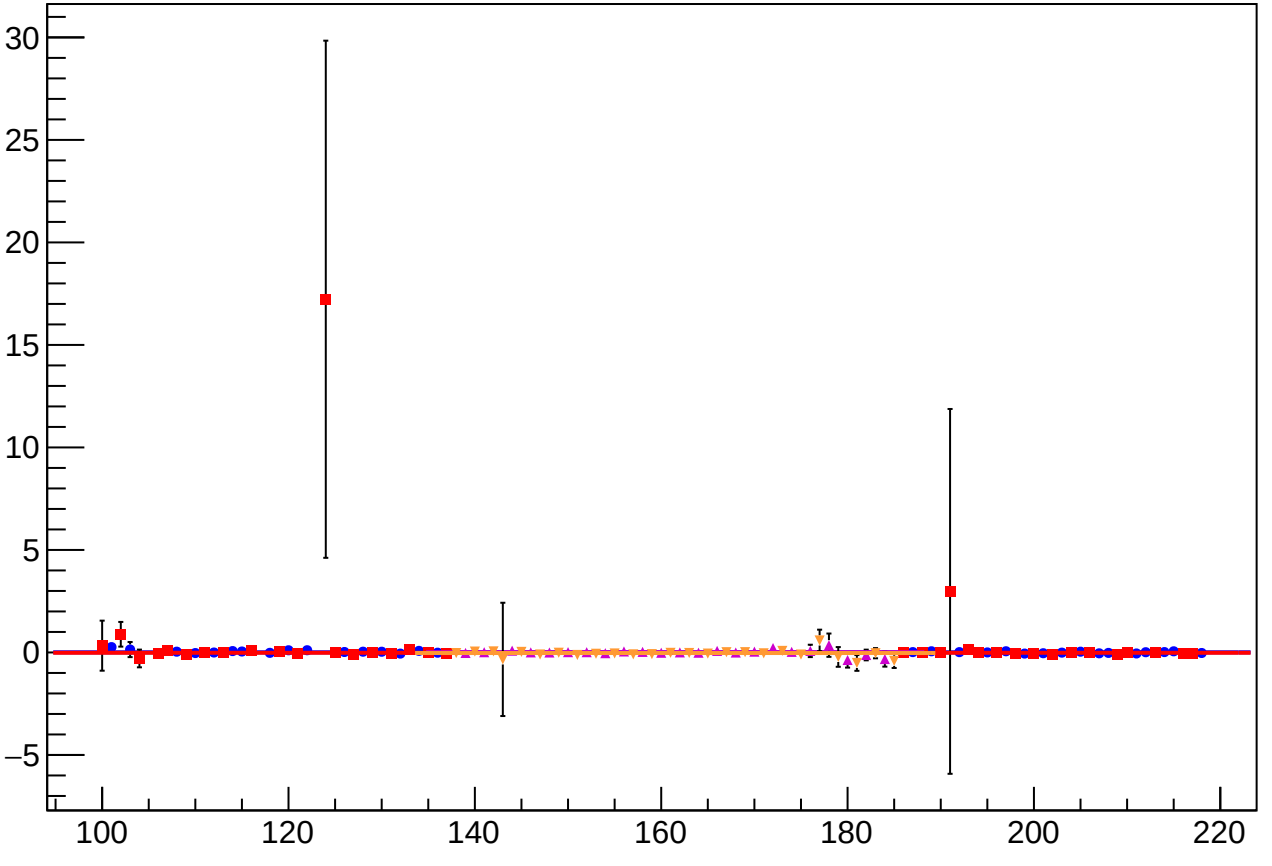
Right: 41.136+/-0.005 χ^2/NDF: 9853816.9/67

In: 36.610+/-0.005 χ^2/NDF:14006951.3/54

Out: 36.410+/-0.005 χ^2/NDF:17133905.3/60

All: 36.511+/-0.004 χ^2/NDF: 31141671.2/115

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: -0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

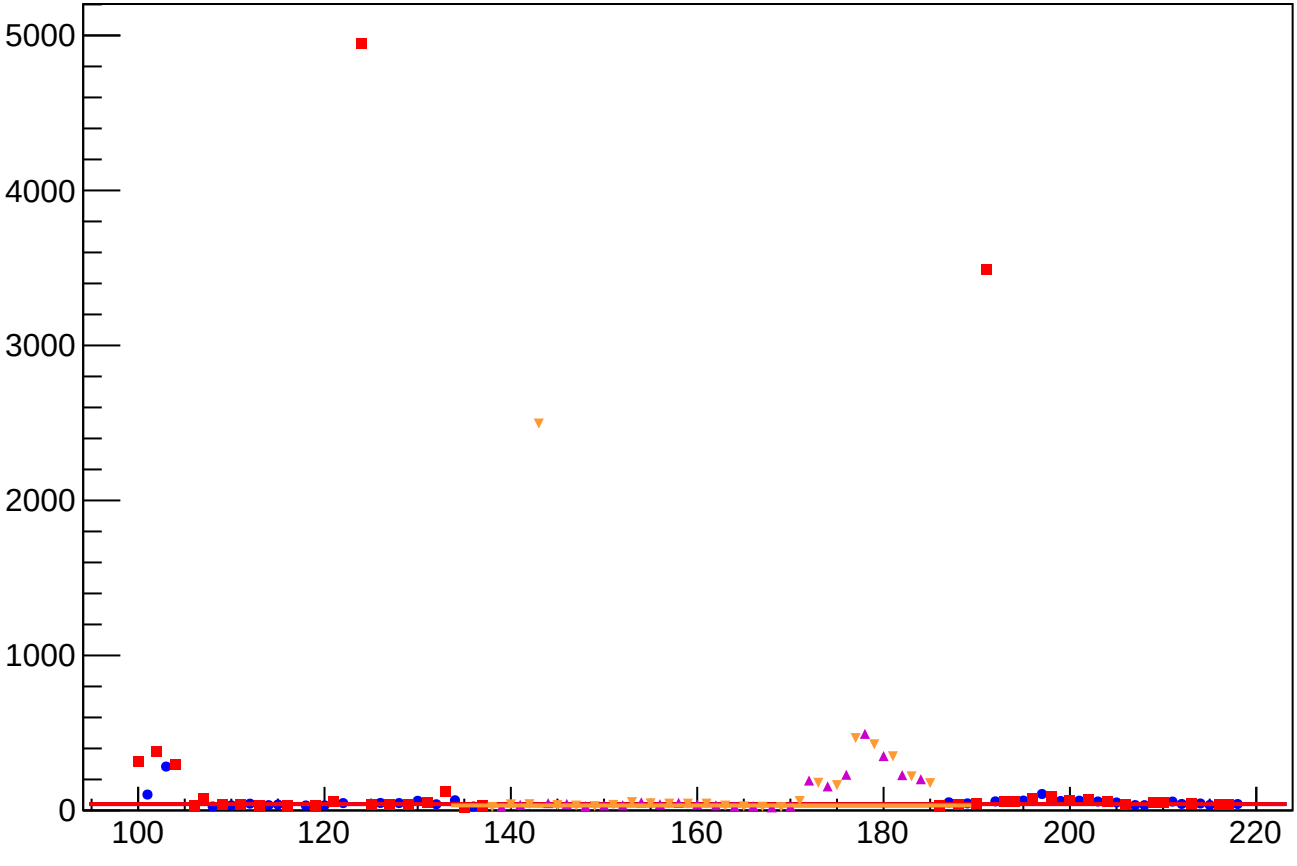
Right: -0.004+/-0.007 χ^2/NDF: 48.6/67

In: 0.009+/-0.007 χ^2/NDF:32.4/54

Out: -0.022+/-0.007 χ^2/NDF:56.1/60

All: -0.006+/-0.005 χ^2/NDF: 98.4/115

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: 41.043+/-0.007 χ^2/NDF: 5538326.8/35

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

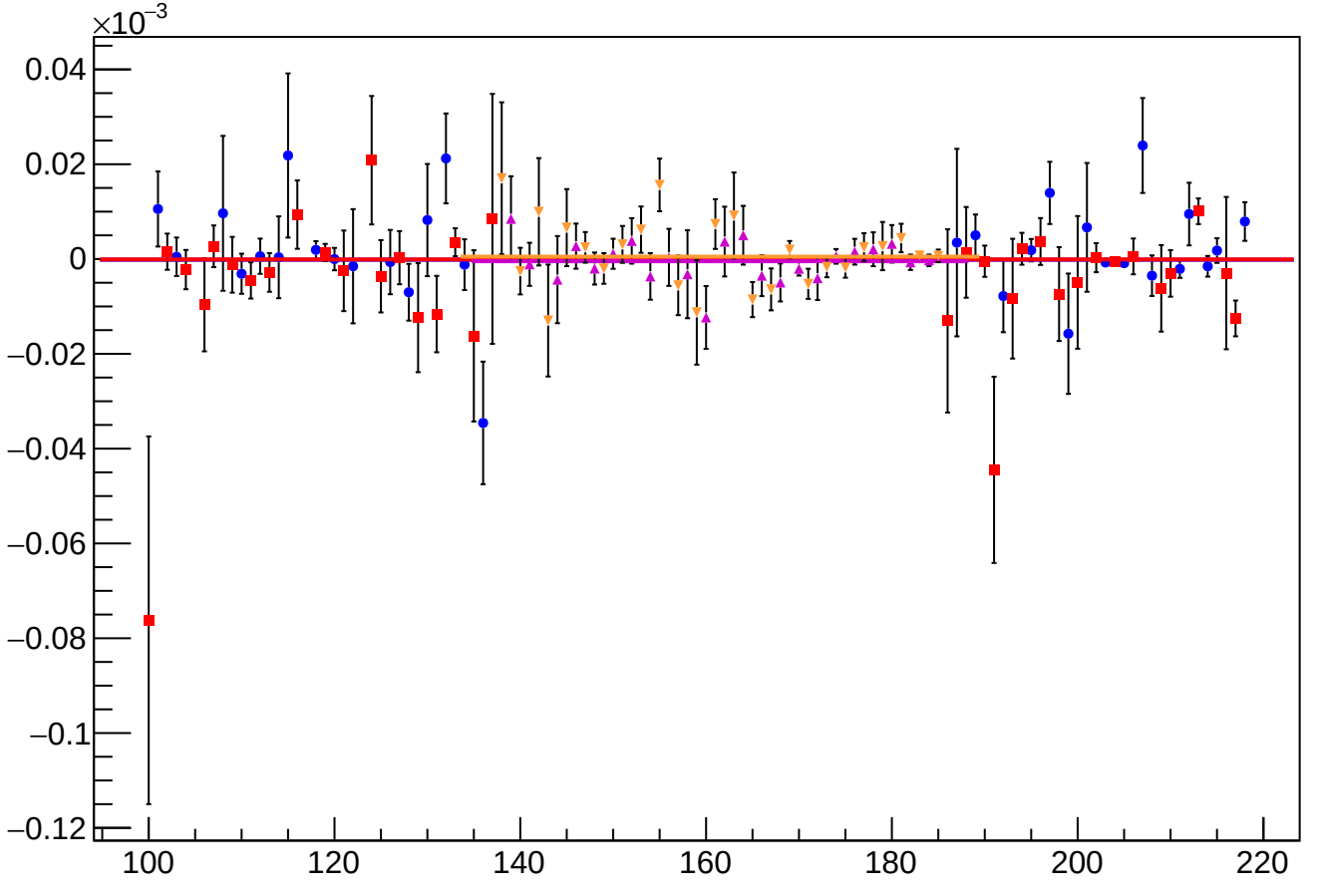
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.136+/-0.005 χ^2/NDF: 9853816.9/67

In: 36.610+/-0.005 χ^2/NDF:14006951.3/54

Out: 36.410+/-0.005 χ^2/NDF:17133905.3/60

All: 36.511+/-0.004 χ^2/NDF: 31141671.2/115



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: 52.0/35

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

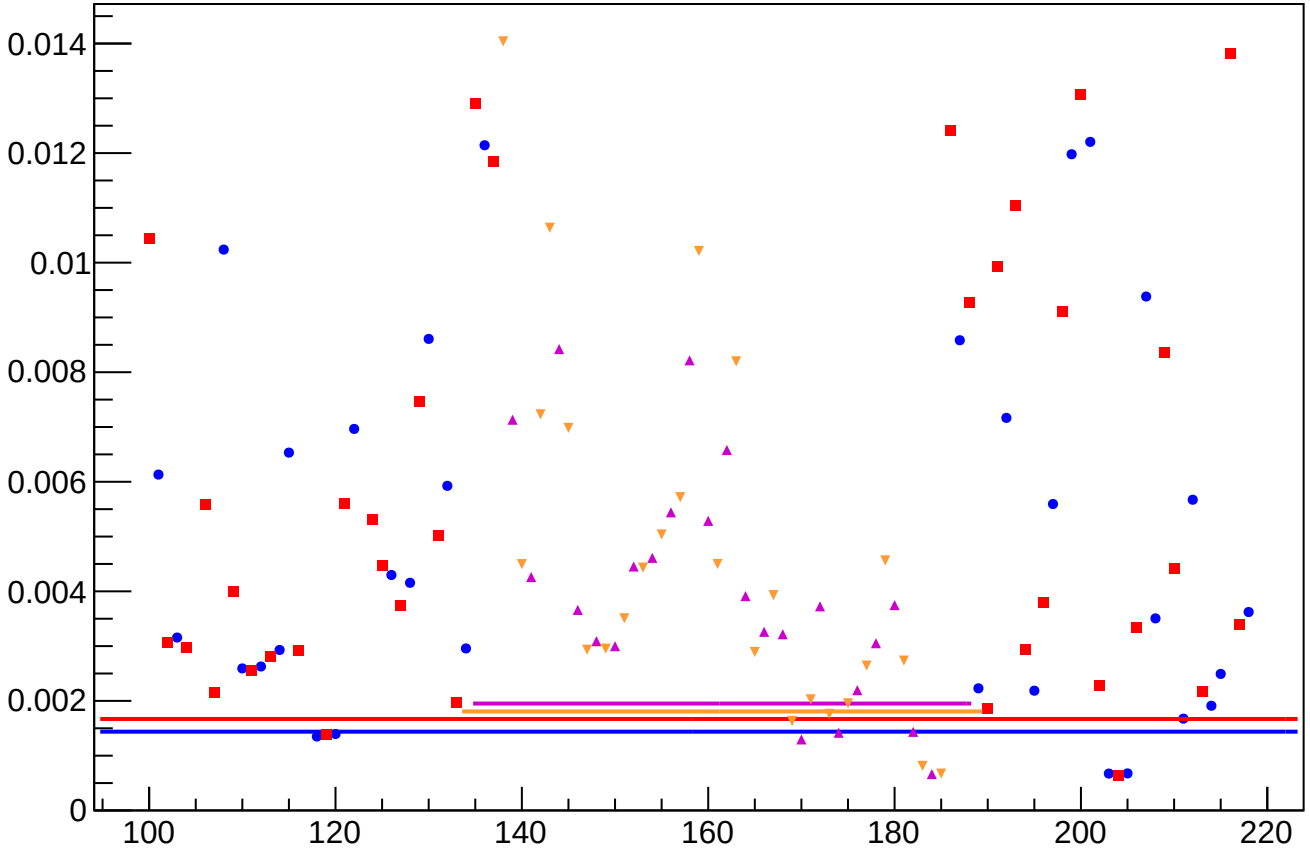
Right: -0.000+/-0.000 χ^2/NDF: 96.8/67

In: -0.000+/-0.000 χ^2/NDF:58.7/54

Out: 0.000+/-0.000 χ^2/NDF:88.3/60

All: -0.000+/-0.000 χ^2/NDF: 147.8/115

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: 18856042.8/35

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

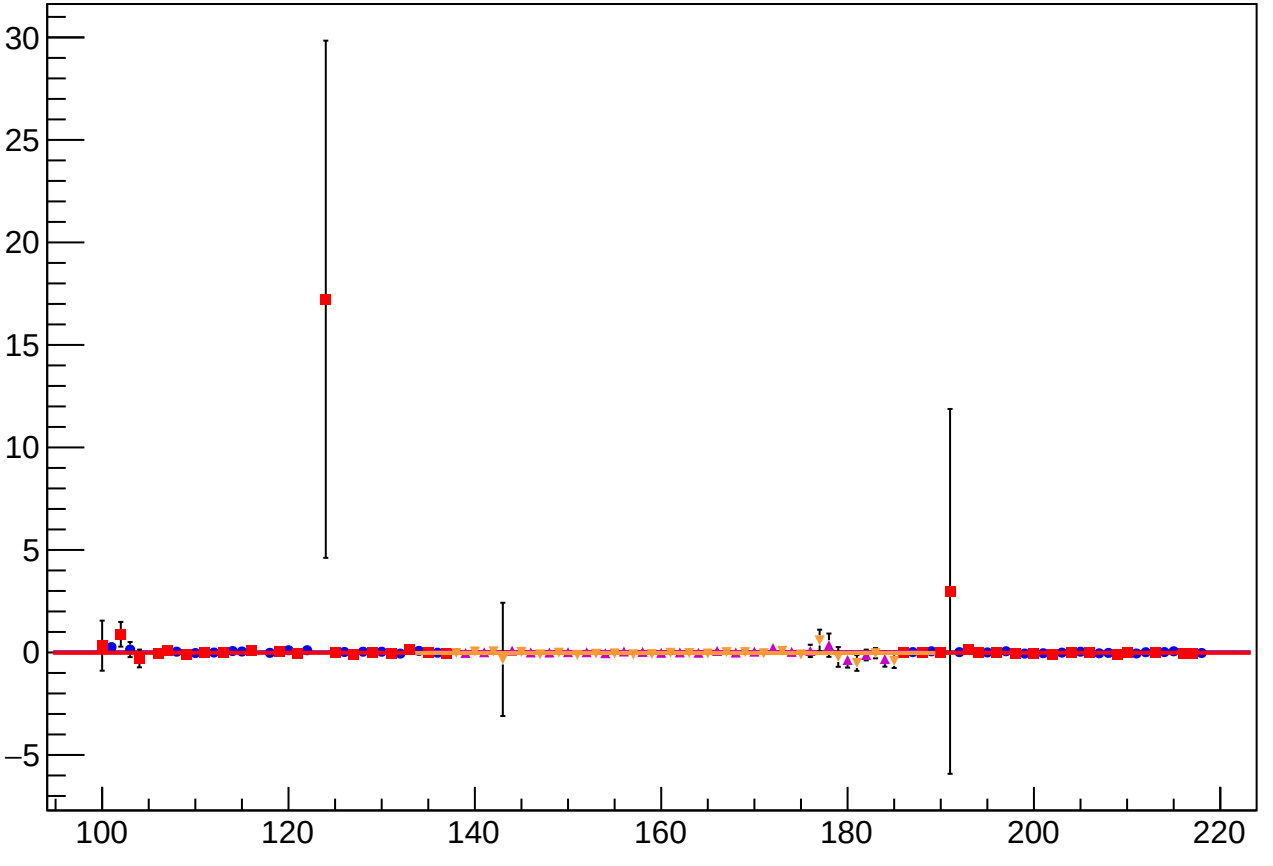
Right: 0.002+/-0.000 χ^2/NDF: 36949844.3/67

In: 0.002+/-0.000 χ^2/NDF:30293009.4/54

Out: 0.002+/-0.000 χ^2/NDF:33861050.2/60

All: 0.002+/-0.000 χ^2/NDF: 64224810.0/115

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: -0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

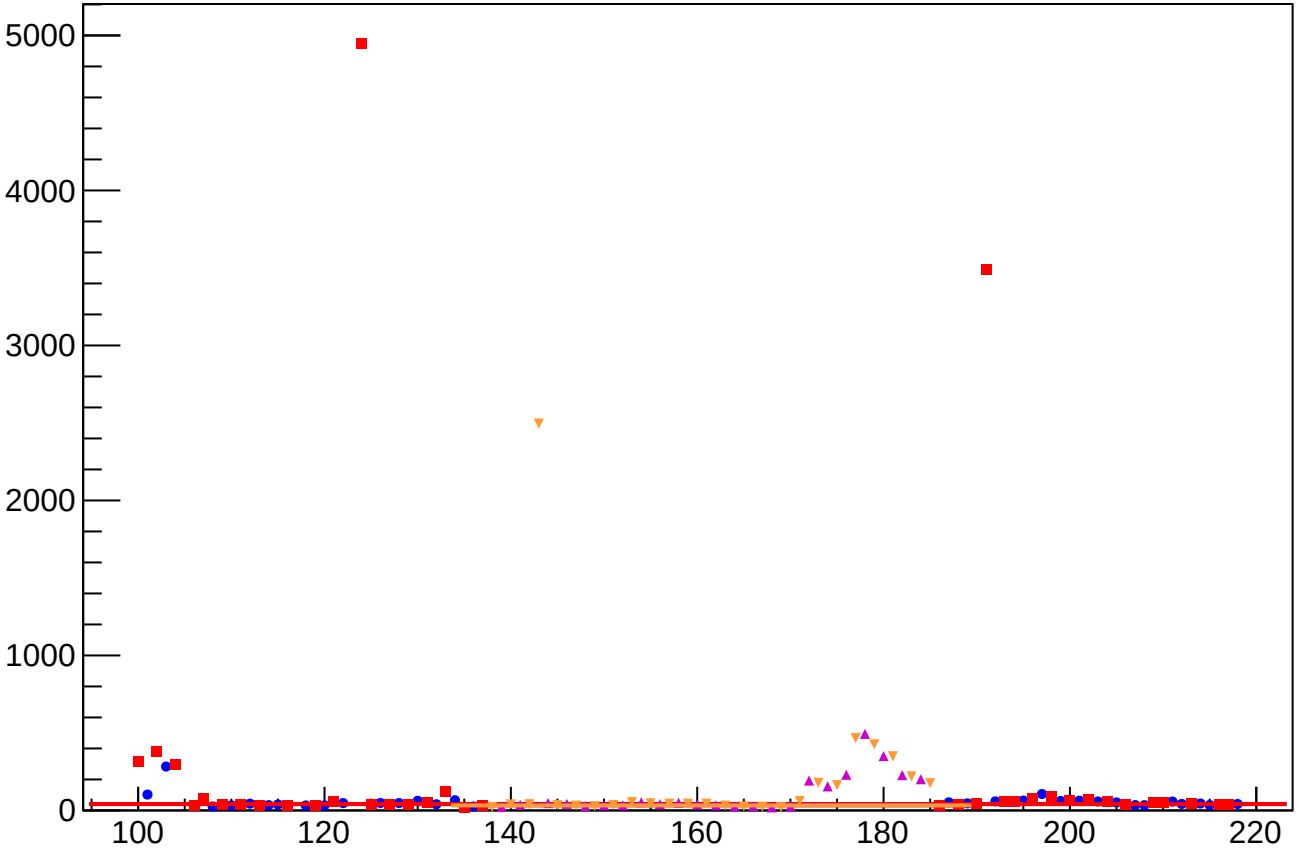
Right: -0.004+/-0.007 χ^2/NDF: 48.6/67

In: 0.009+/-0.007 χ^2/NDF:32.4/54

Out: -0.022+/-0.007 χ^2/NDF:56.1/60

All: -0.006+/-0.005 χ^2/NDF: 98.4/115

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: 41.043+/-0.007 χ^2/NDF: 5538148.3/35

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

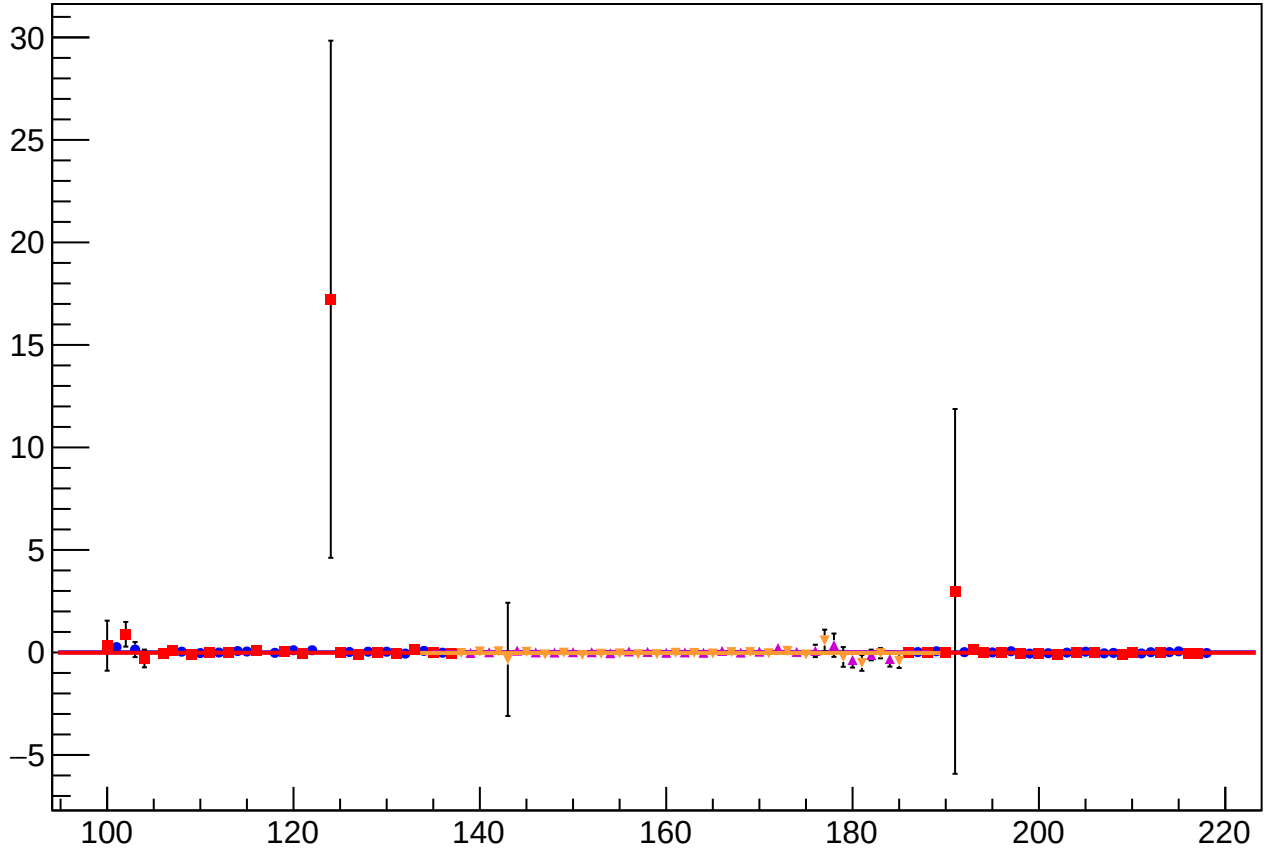
Right: 41.136+/-0.005 χ^2/NDF: 9853275.9/67

In: 36.610+/-0.005 χ^2/NDF:14007488.2/54

Out: 36.410+/-0.005 χ^2/NDF:17134000.2/60

All: 36.510+/-0.004 χ^2/NDF: 31142298.4/115

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: -0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

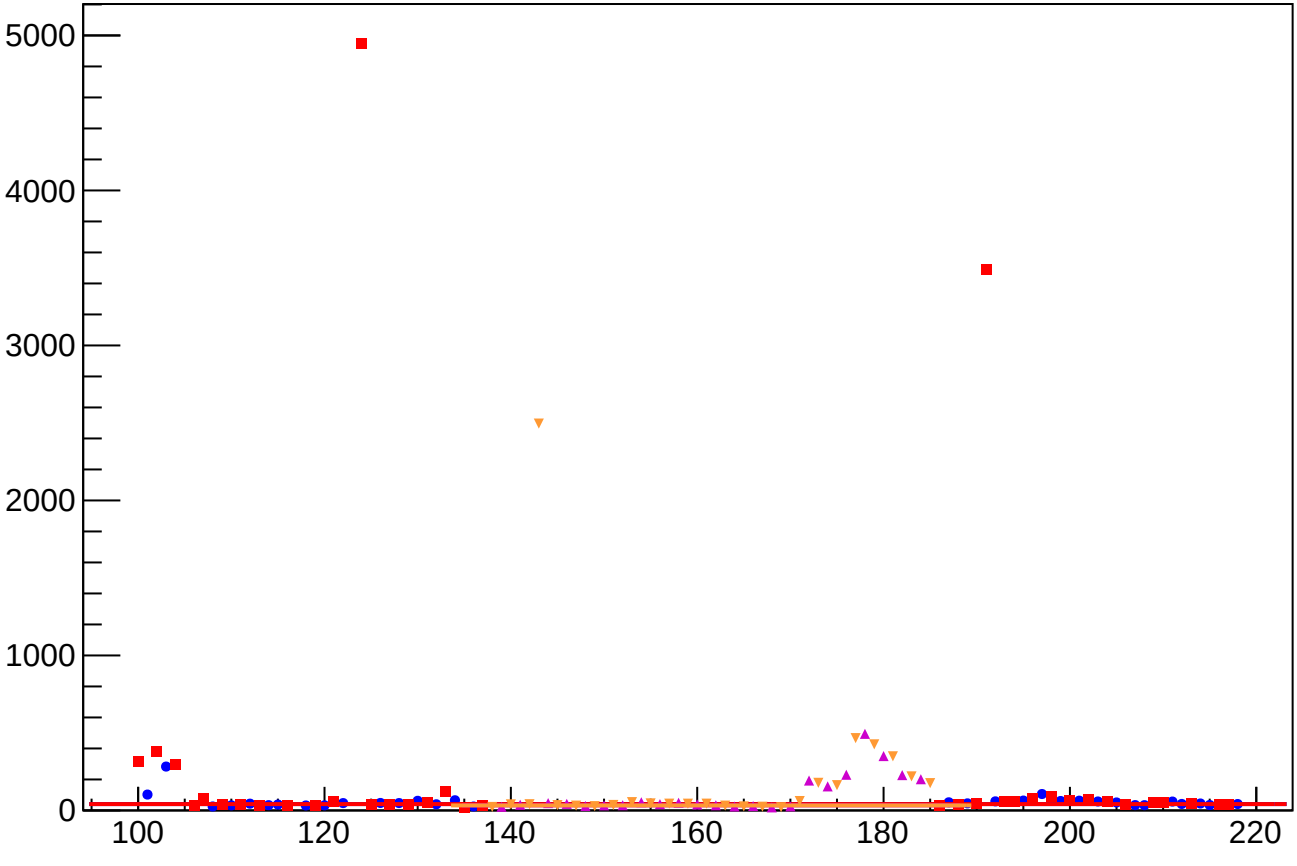
Right: -0.004+/-0.007 χ^2/NDF: 48.6/67

In: 0.009+/-0.007 χ^2/NDF:32.4/54

Out: -0.022+/-0.007 χ^2/NDF:56.1/60

All: -0.006+/-0.005 χ^2/NDF: 98.4/115

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: 41.043+/-0.007 χ^2/NDF: 5538148.3/35

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

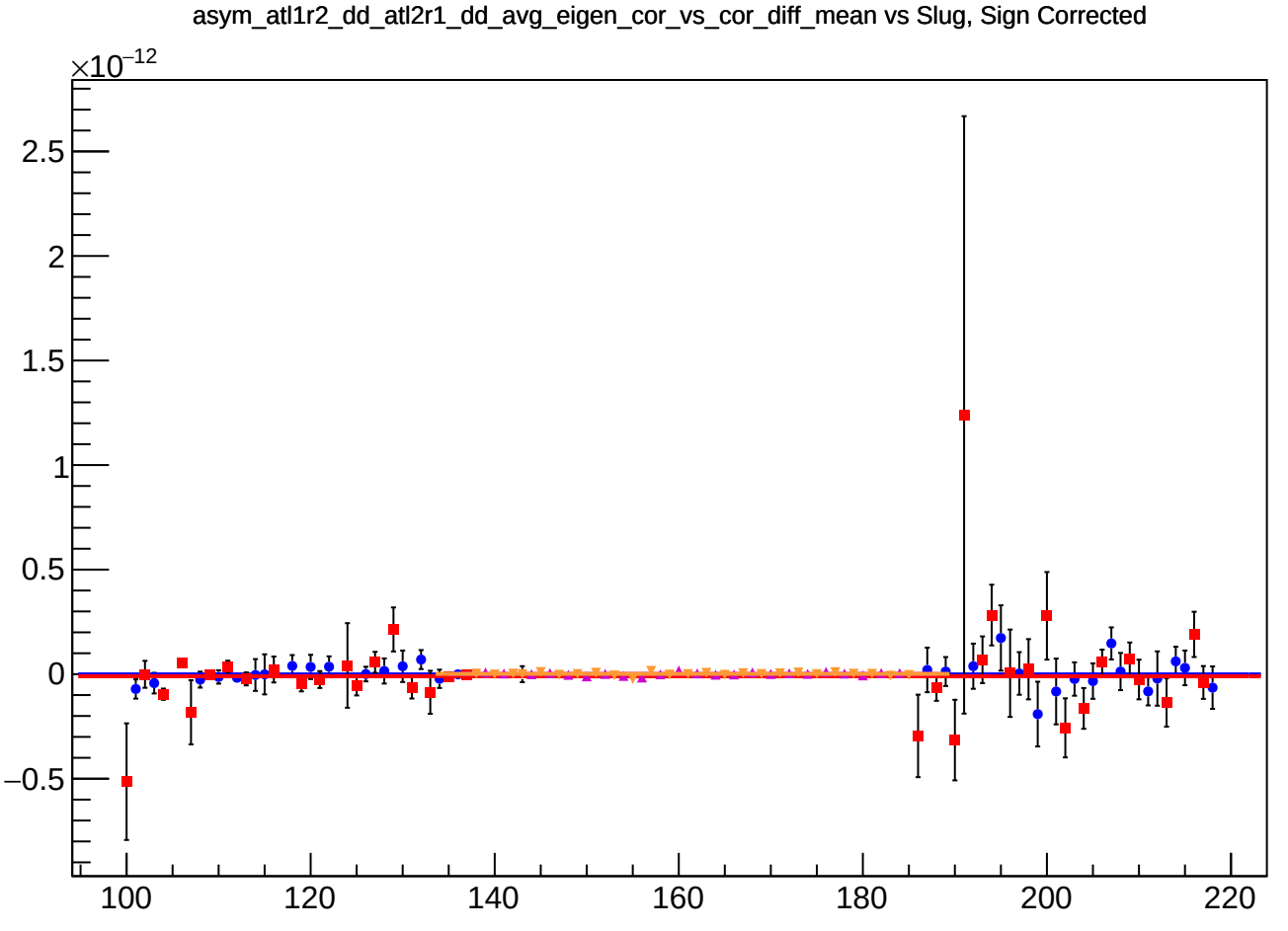
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 41.136+/-0.005 χ^2/NDF: 9853275.9/67

In: 36.610+/-0.005 χ^2/NDF:14007488.2/54

Out: 36.410+/-0.005 χ^2/NDF:17134000.2/60

All: 36.510+/-0.004 χ^2/NDF: 31142298.4/115



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: 65.0/35

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

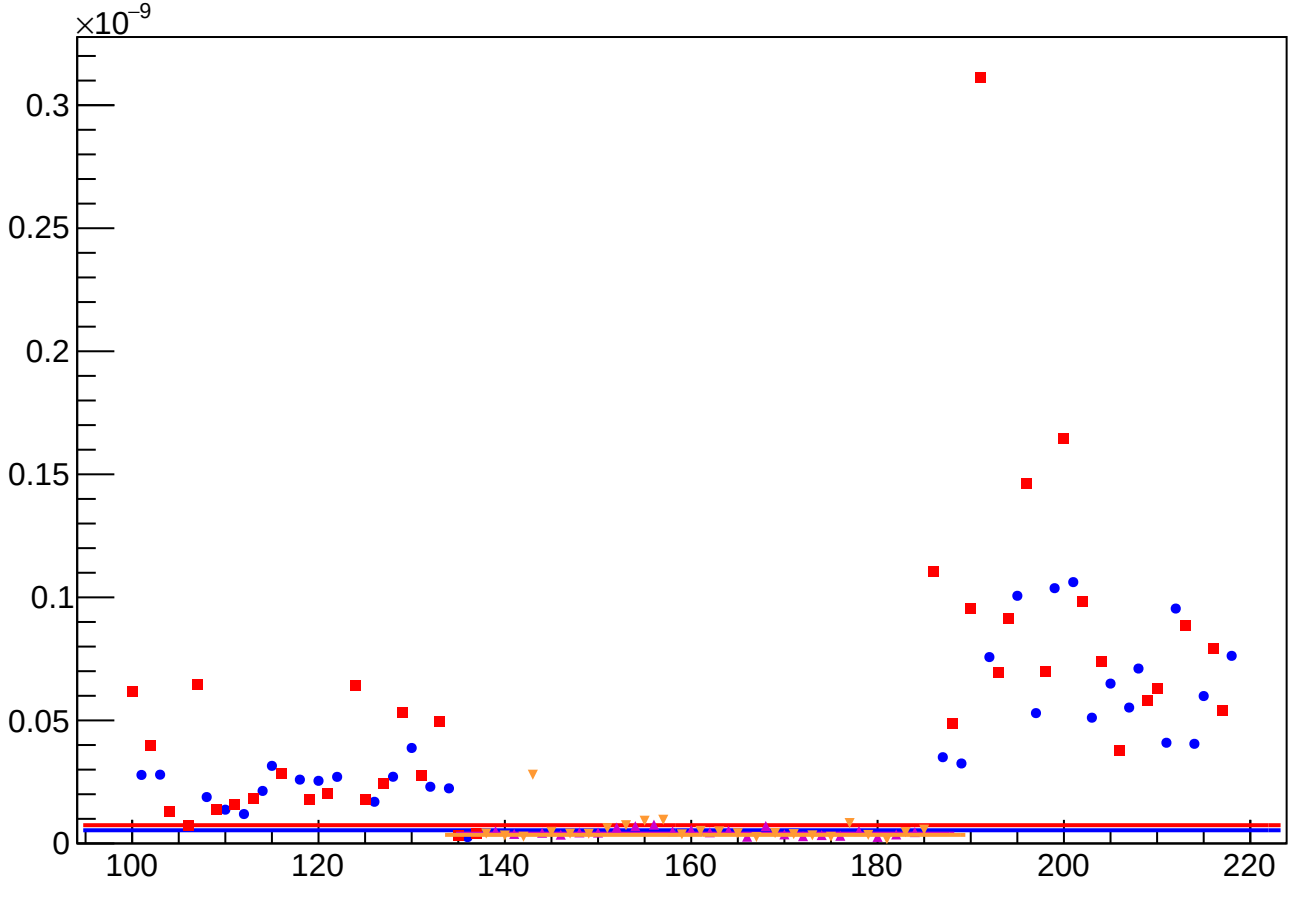
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 86.6/67

In: 0.000+/-0.000 χ^2/NDF:47.8/54

Out: 0.000+/-0.000 χ^2/NDF:90.7/60

All: 0.000+/-0.000 χ^2/NDF: 138.5/115



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: 17002274.1/35

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

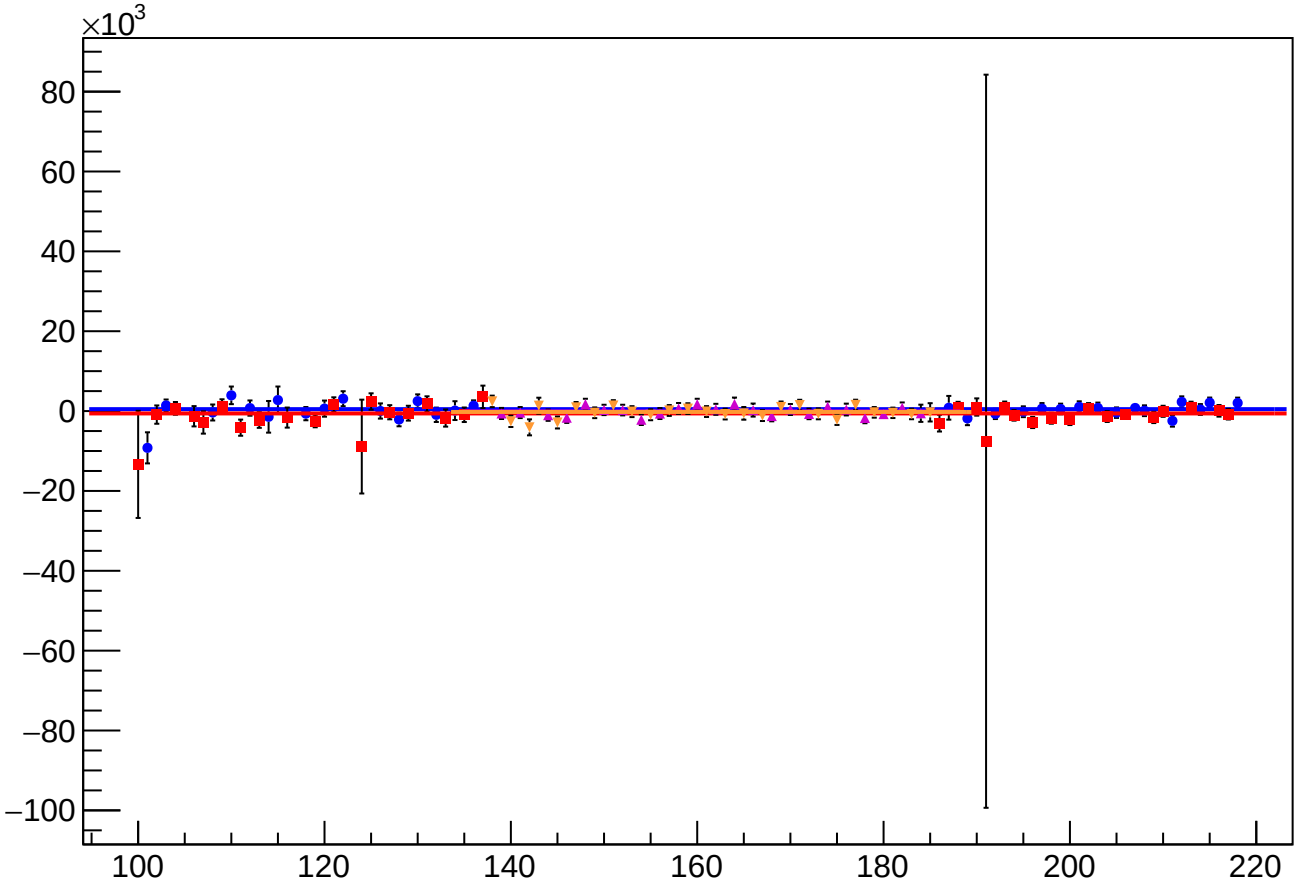
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 34175242.5/67

In: 0.000+/-0.000 χ^2/NDF:19247225.1/54

Out: 0.000+/-0.000 χ^2/NDF:23390379.9/60

All: 0.000+/-0.000 χ^2/NDF: 42767961.4/115



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: -592.089+/-283.572 χ^2/NDF: 29.7/35

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

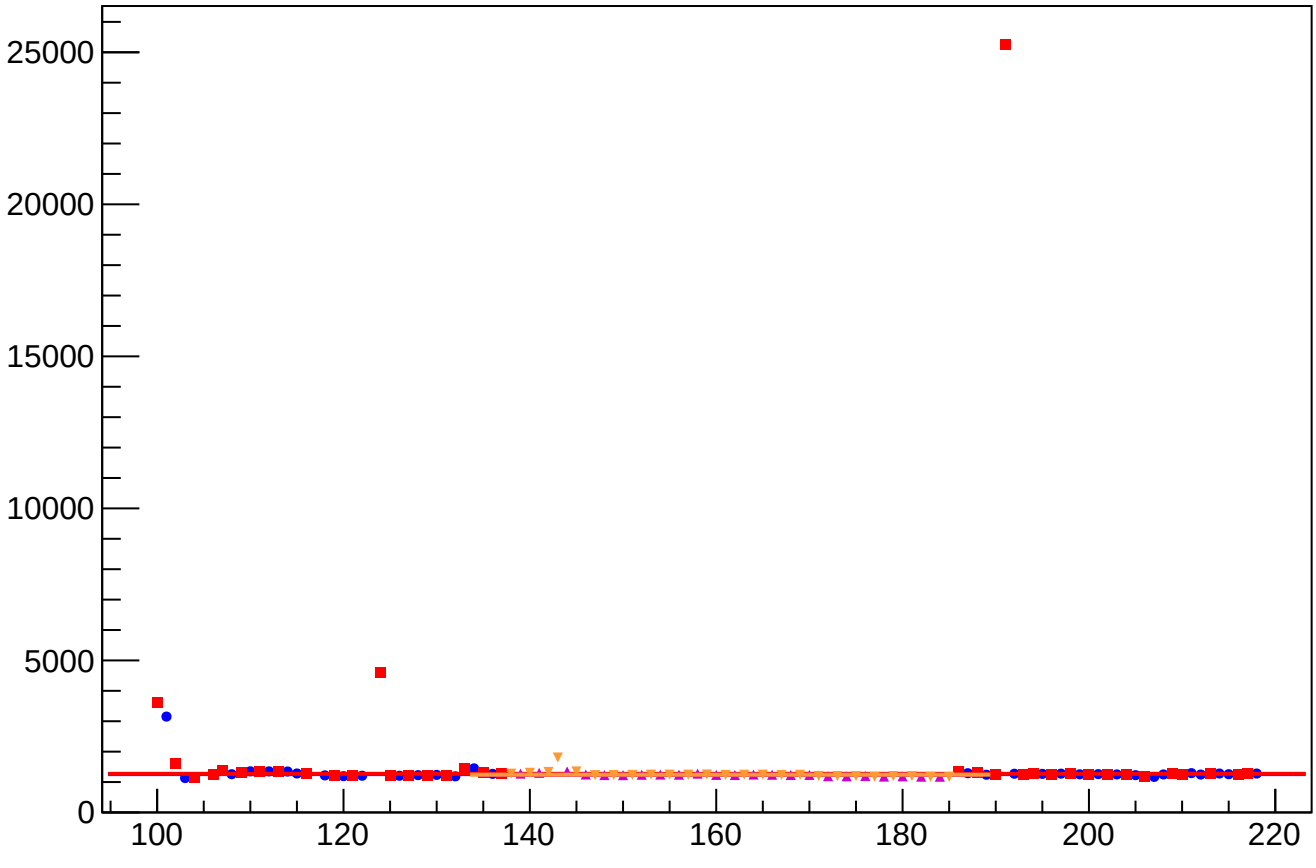
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -52.319+/-200.129 χ^2/NDF: 66.6/67

In: 201.239+/-201.742 χ^2/NDF:46.3/54

Out: -406.066+/-200.333 χ^2/NDF:54.5/60

All: -104.543+/-142.152 χ^2/NDF: 105.4/115



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: 1270.301+/-0.201 χ^2/NDF: 487261.4/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

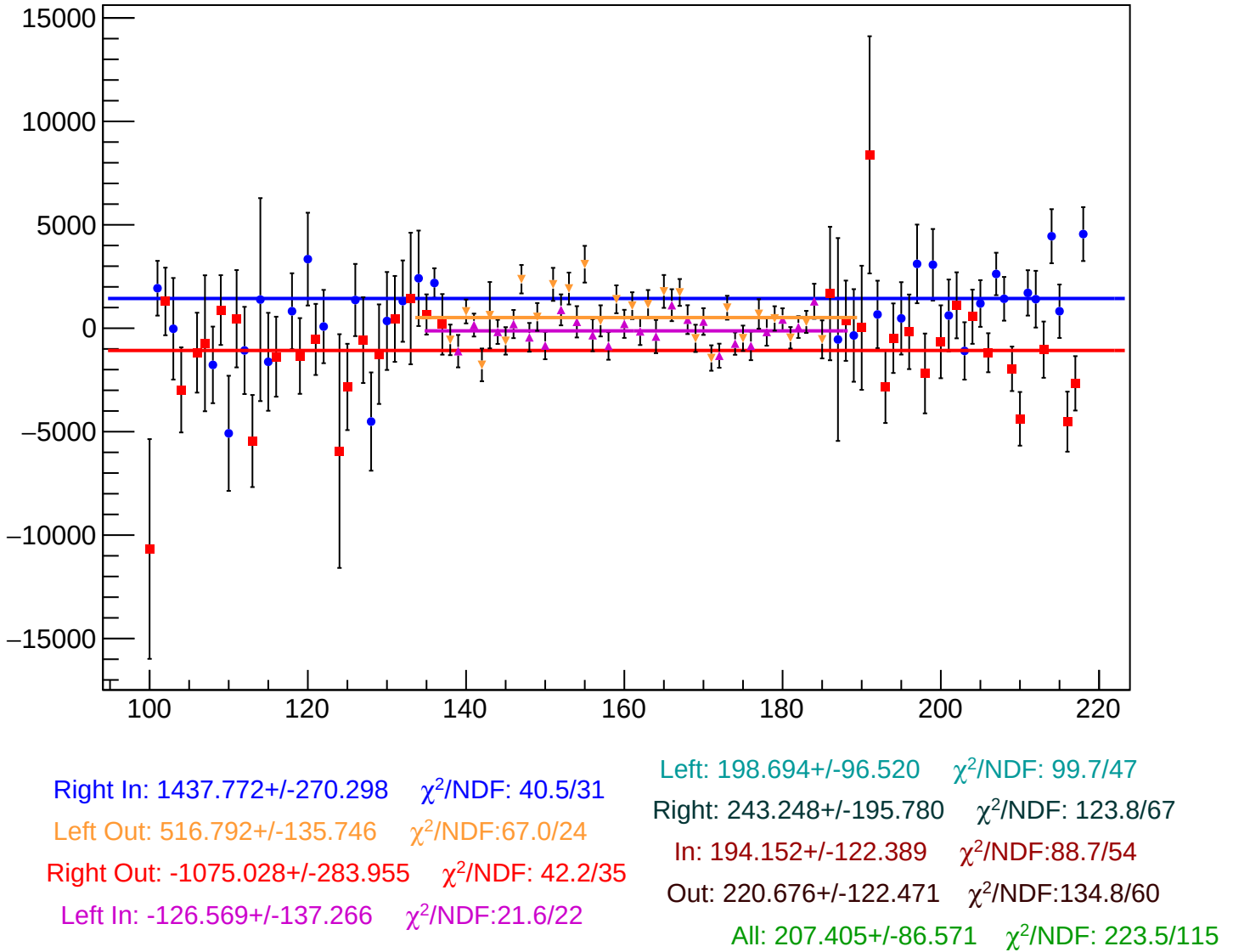
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1265.527+/-0.142 χ^2/NDF: 1024454.8/67

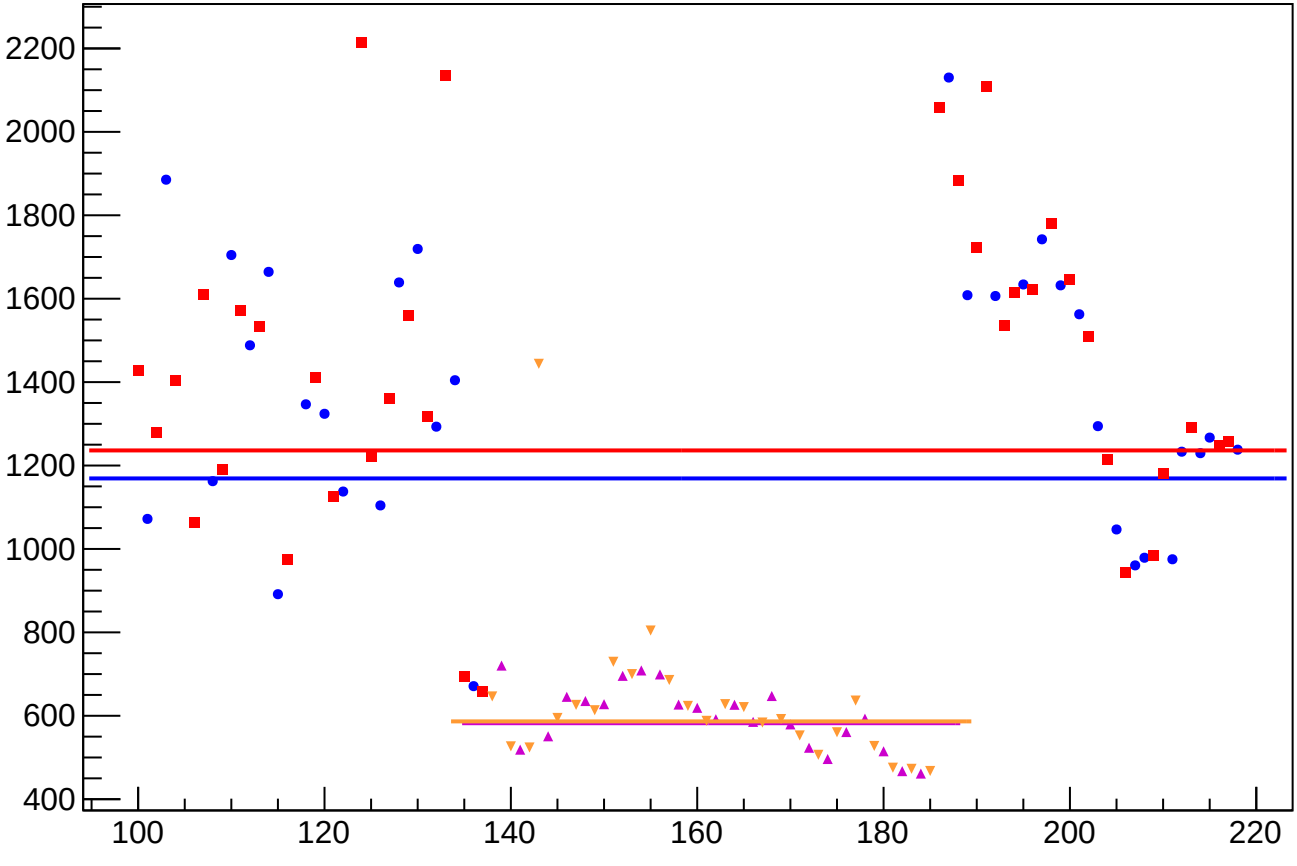
In: 1247.543+/-0.143 χ^2/NDF:584322.8/54

Out: 1256.538+/-0.142 χ^2/NDF:699966.0/60

All: 1252.072+/-0.101 χ^2/NDF: 1286290.9/11


asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1437.772+/-270.298 χ²/NDF: 40.5/31
Left Out: 516.792+/-135.746 χ²/NDF:67.0/24
Right Out: -1075.028+/-283.955 χ²/NDF: 42.2/35
Left In: -126.569+/-137.266 χ²/NDF:21.6/22
Left: 198.694+/-96.520 χ²/NDF: 99.7/47
Right: 243.248+/-195.780 χ²/NDF: 123.8/67
In: 194.152+/-122.389 χ²/NDF:88.7/54
Out: 220.676+/-122.471 χ²/NDF:134.8/60
All: 207.405+/-86.571 χ²/NDF: 223.5/115

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



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: 1236.212+/-0.201 χ^2/NDF: 2738450.0/35

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

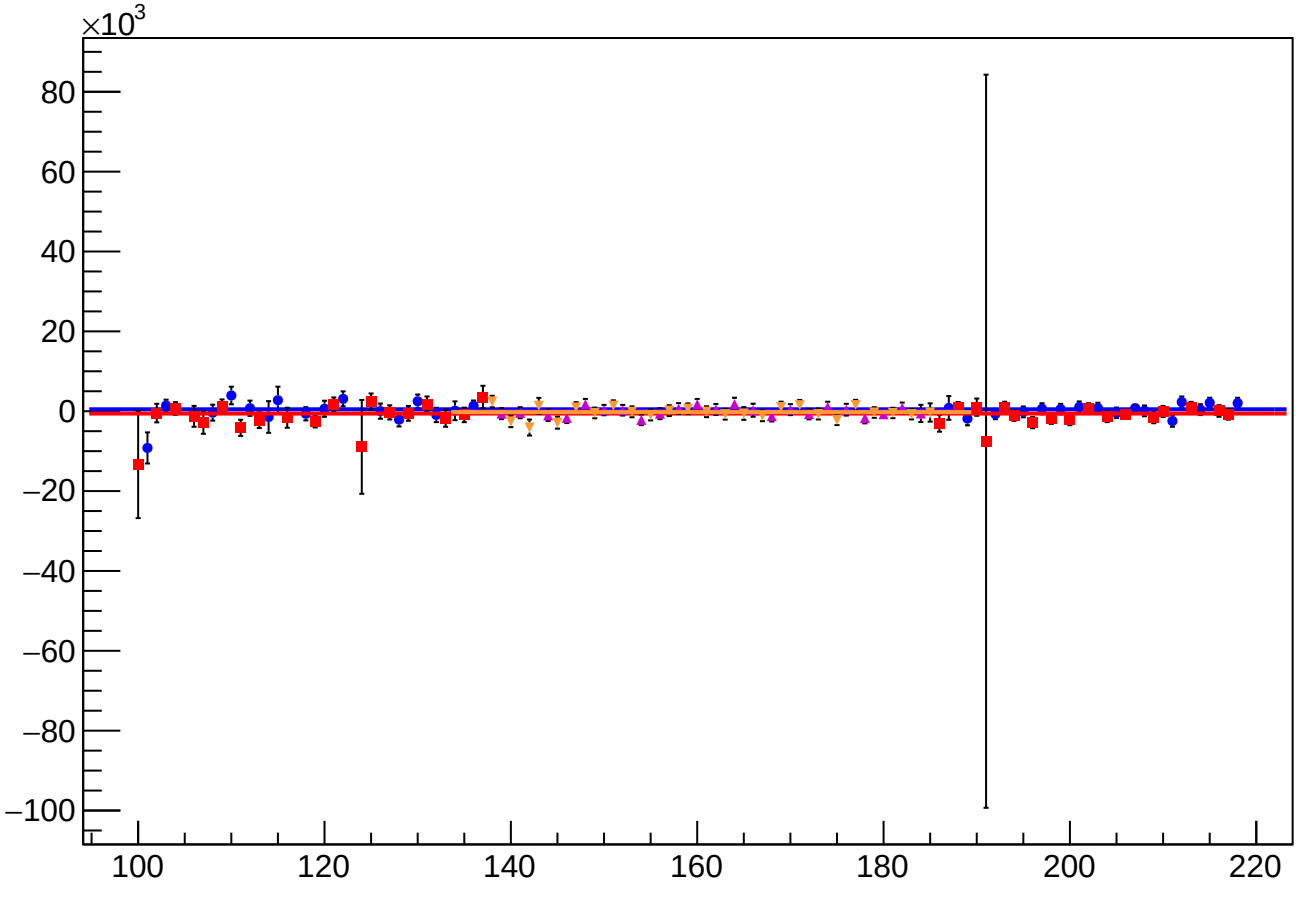
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1200.990+/-0.138 χ^2/NDF: 5510450.0/67

In: 702.513+/-0.087 χ^2/NDF:10768158.0/54

Out: 707.409+/-0.087 χ^2/NDF:12462734.1/60

All: 704.959+/-0.061 χ^2/NDF: 23232490.7/11



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: -585.051+/-283.740 χ^2/NDF: 29.7/35

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

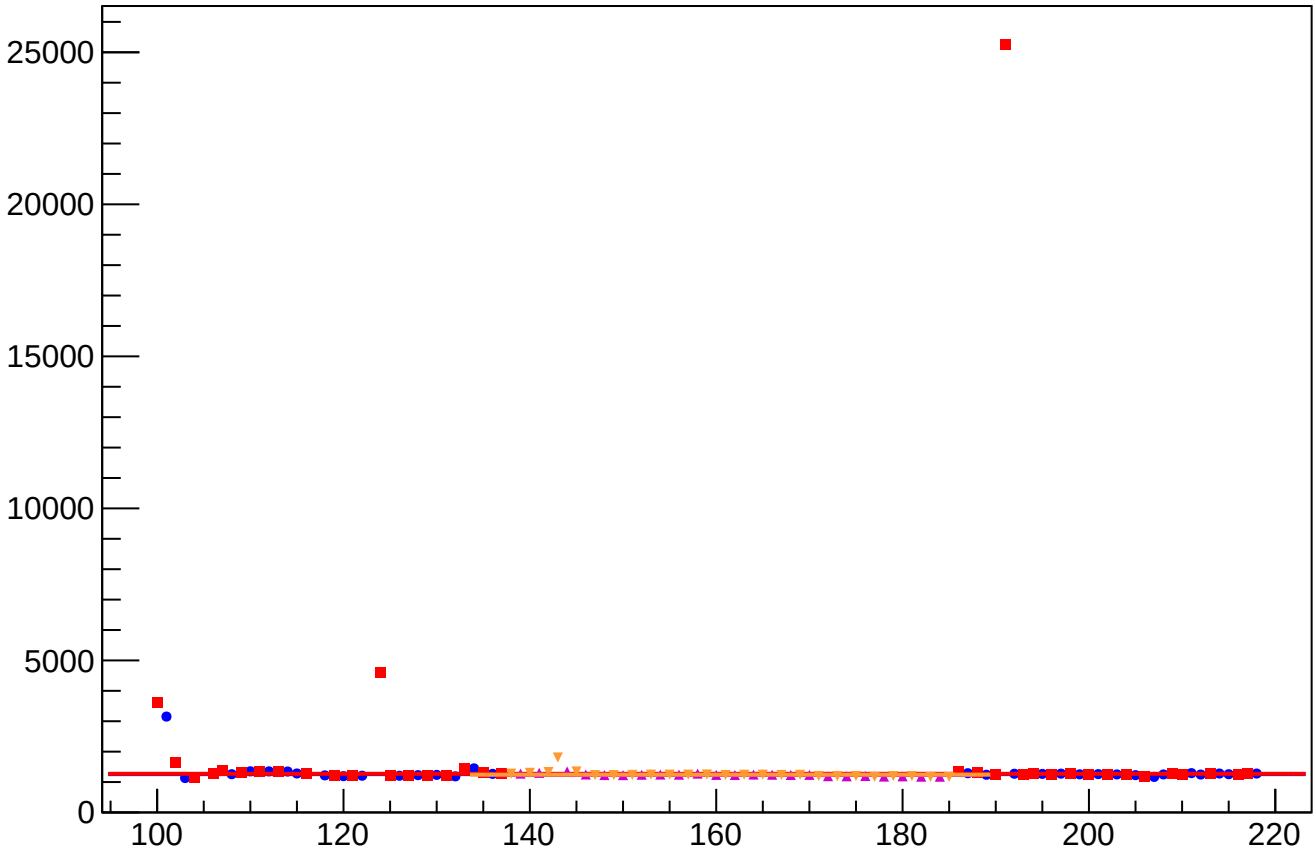
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -48.404+/-200.188 χ^2/NDF: 66.4/67

In: 201.300+/-201.742 χ^2/NDF:46.3/54

Out: -402.463+/-200.392 χ^2/NDF:54.5/60

All: -102.609+/-142.173 χ^2/NDF: 105.3/115



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: 1271.082+/-0.201 χ^2/NDF: 494420.3/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

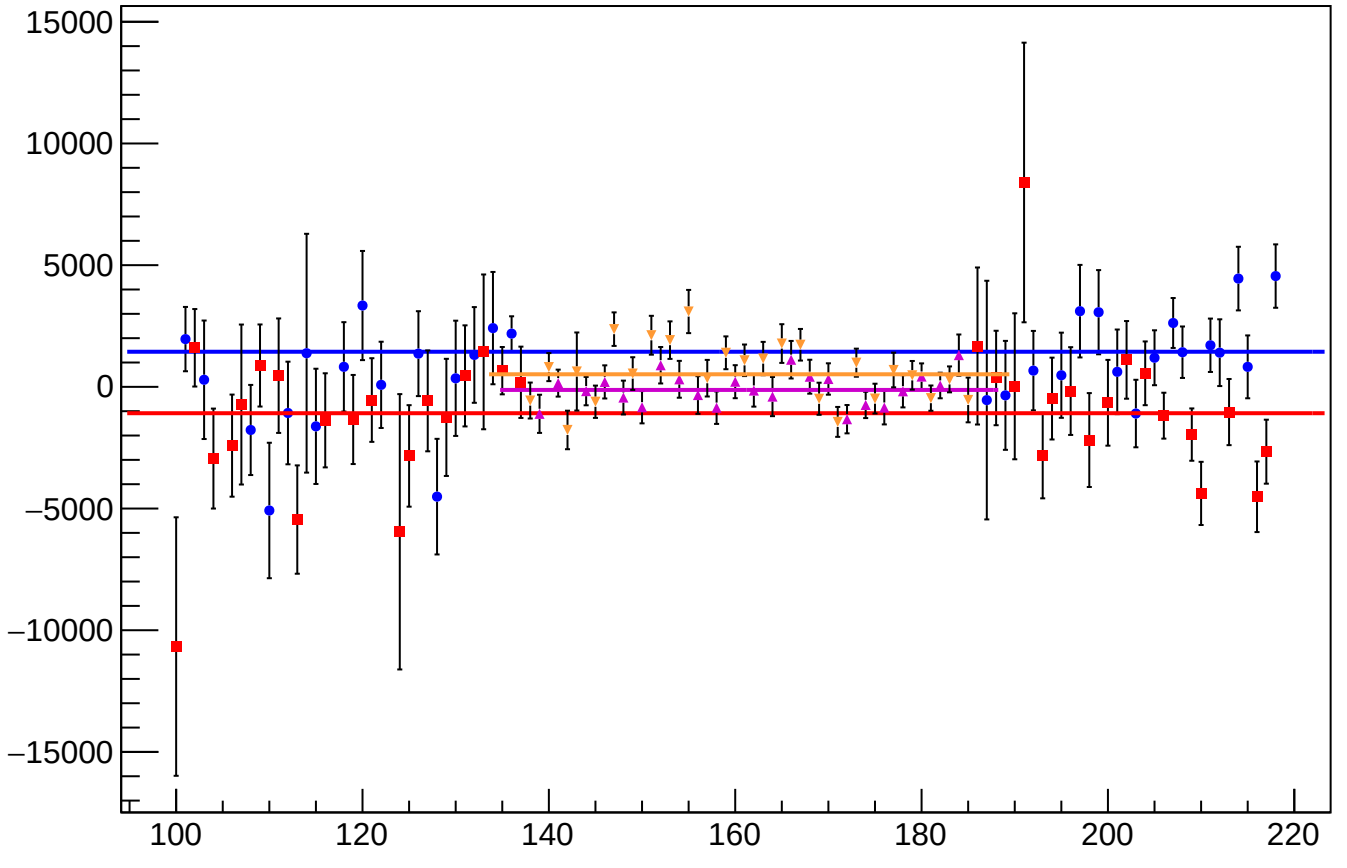
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.913+/-0.142 χ^2/NDF: 1031807.6/67

In: 1247.543+/-0.143 χ^2/NDF:584324.1/54

Out: 1256.919+/-0.142 χ^2/NDF:707661.5/60

All: 1252.263+/-0.101 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: -1083.133+/-284.185 χ^2/NDF: 43.3/35

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

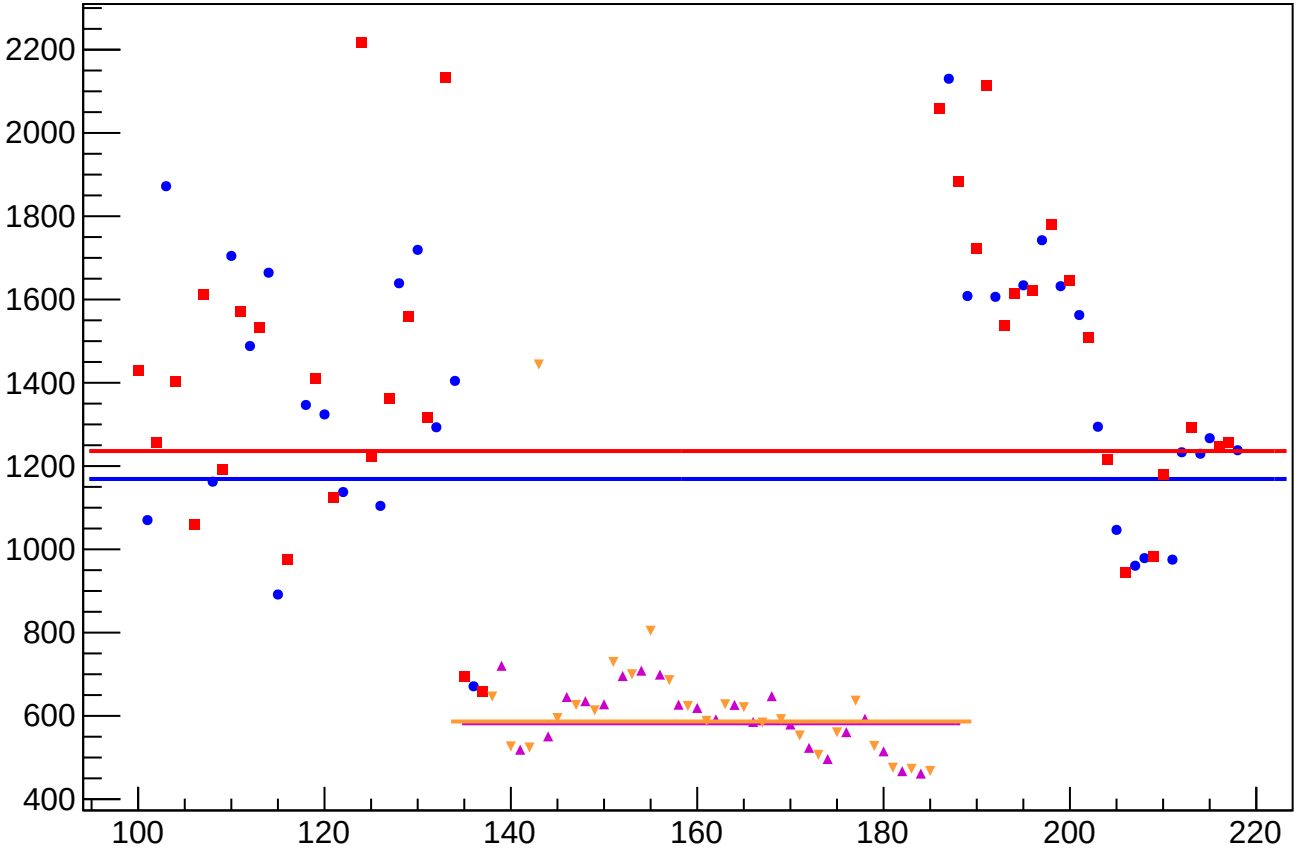
Right: 243.168+/-195.838 χ^2/NDF: 125.2/67

In: 195.245+/-122.384 χ^2/NDF:88.8/54

Out: 219.573+/-122.490 χ^2/NDF:136.2/60

All: 207.399+/-86.576 χ^2/NDF: 224.9/115

asym_at1_dd_at2_dd_avg_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: 1236.076+/-0.201 χ^2/NDF: 2735816.5/35

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

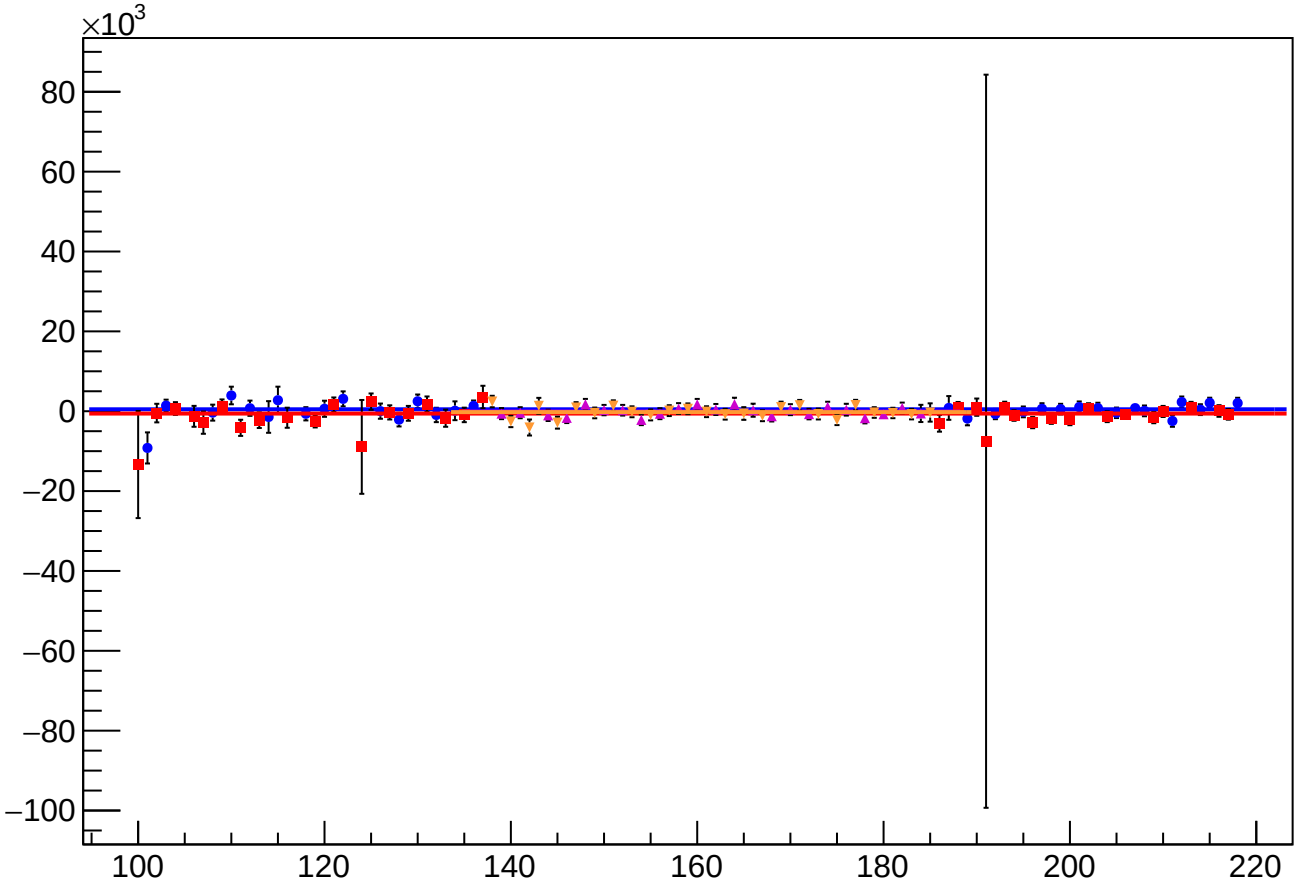
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1200.836+/-0.138 χ^2/NDF: 5504674.0/67

In: 702.522+/-0.087 χ^2/NDF:10764419.9/54

Out: 707.229+/-0.087 χ^2/NDF:12445040.2/60

All: 704.873+/-0.061 χ^2/NDF: 23210938.1/11



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: -585.051+/-283.740 χ^2/NDF: 29.7/35

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

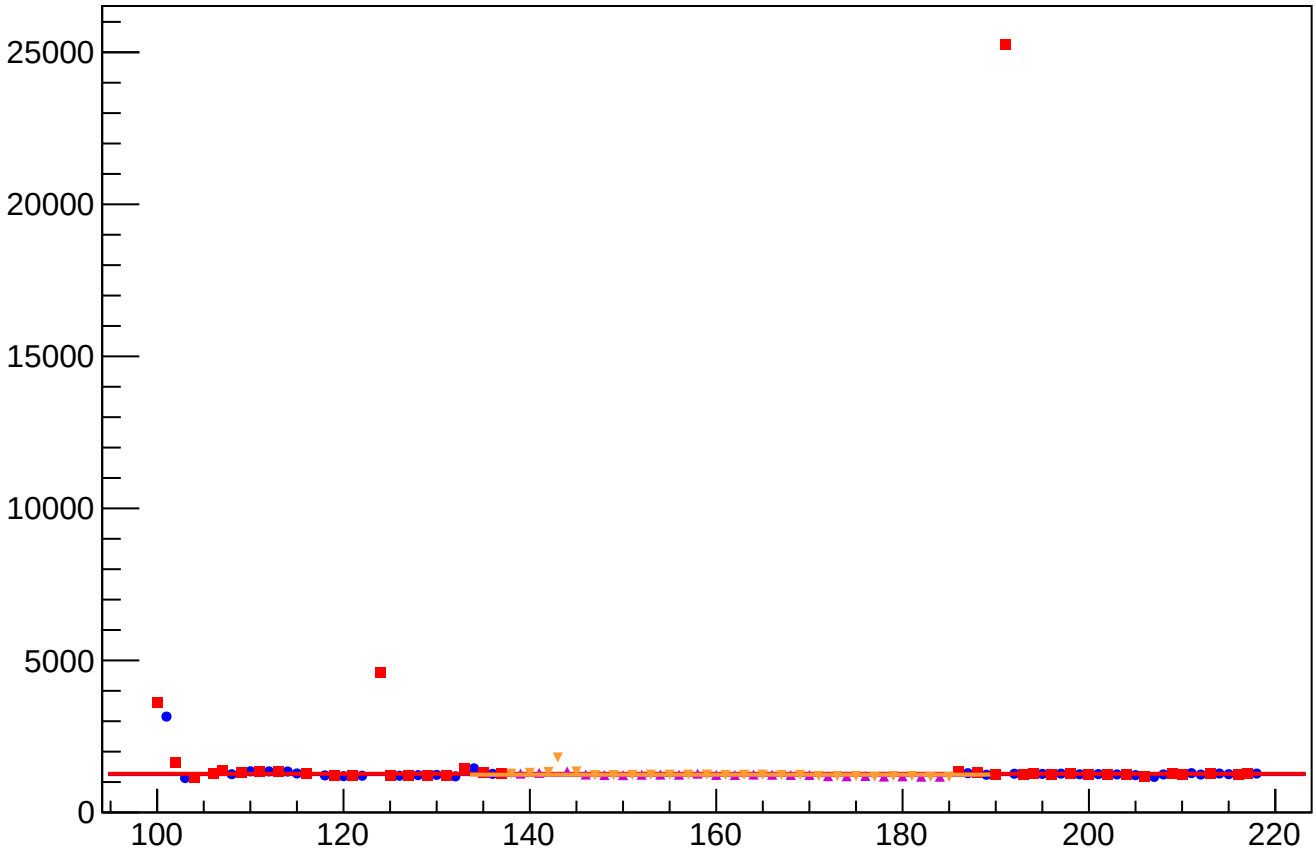
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -48.404+/-200.188 χ^2/NDF: 66.4/67

In: 201.300+/-201.742 χ^2/NDF:46.3/54

Out: -402.463+/-200.392 χ^2/NDF:54.5/60

All: -102.609+/-142.173 χ^2/NDF: 105.3/115



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: 1271.082+/-0.201 χ^2/NDF: 494420.3/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

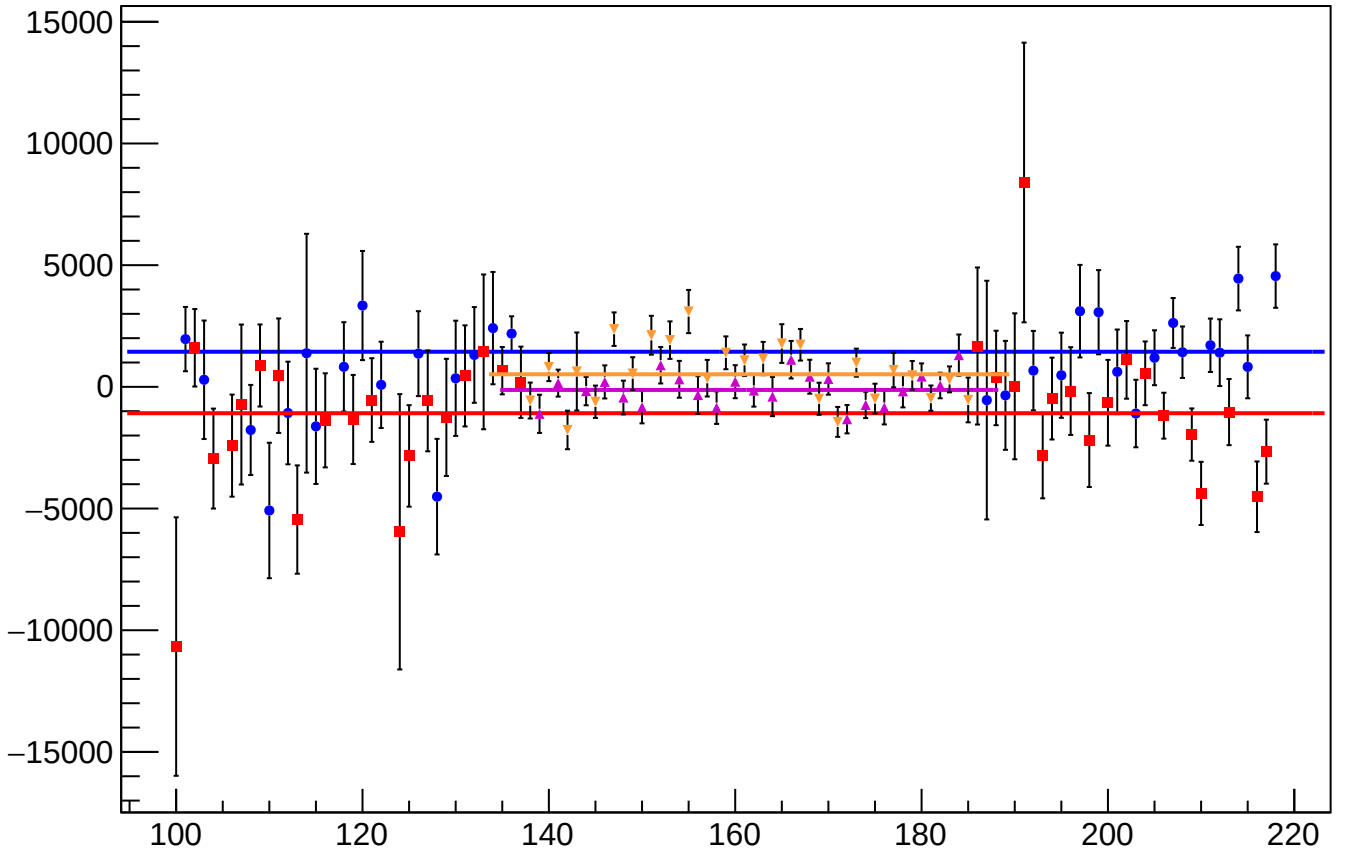
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.913+/-0.142 χ^2/NDF: 1031807.6/67

In: 1247.543+/-0.143 χ^2/NDF:584324.1/54

Out: 1256.919+/-0.142 χ^2/NDF:707661.5/60

All: 1252.263+/-0.101 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: -1083.133+/-284.185 χ^2/NDF: 43.3/35

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

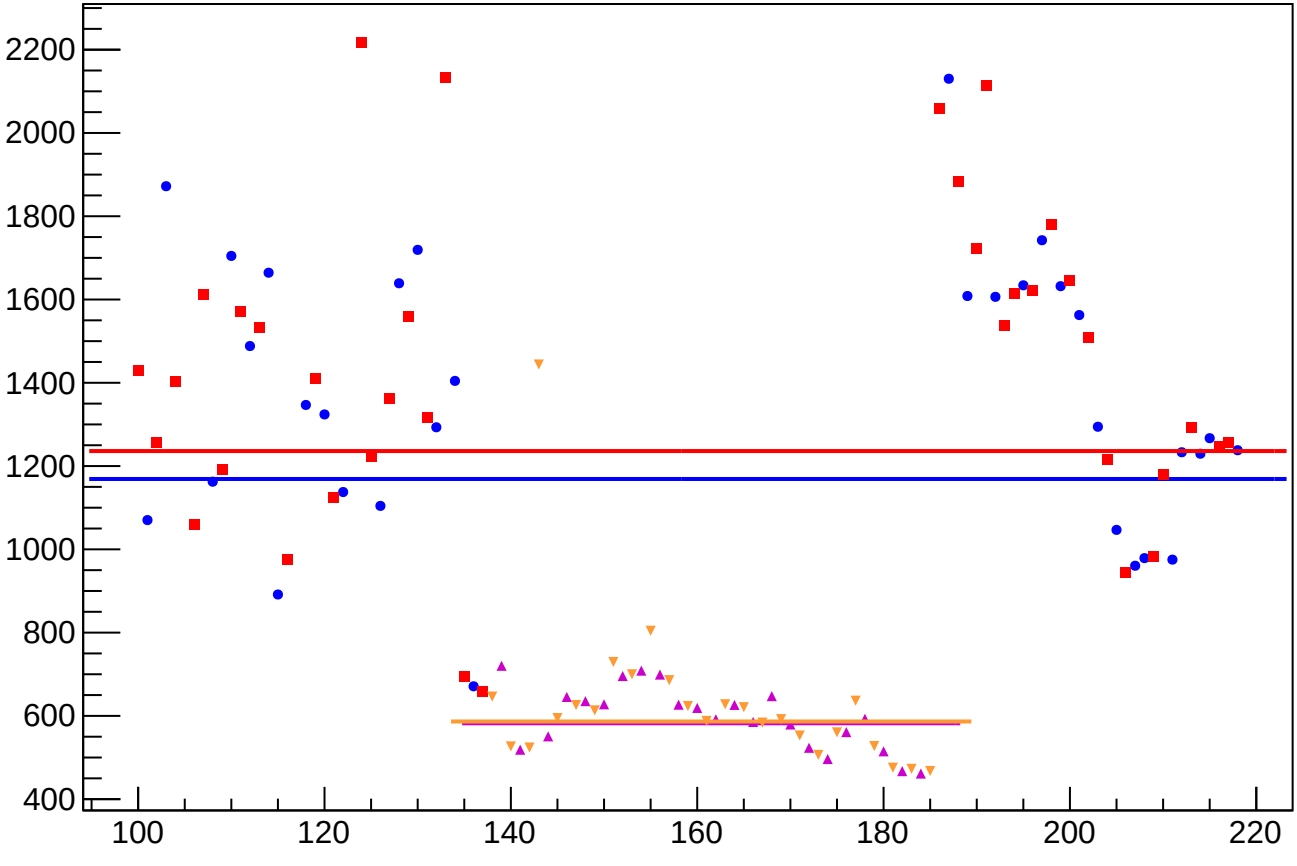
Right: 243.168+/-195.838 χ^2/NDF: 125.2/67

In: 195.245+/-122.384 χ^2/NDF:88.8/54

Out: 219.573+/-122.490 χ^2/NDF:136.2/60

All: 207.399+/-86.576 χ^2/NDF: 224.9/115

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: 1236.076+/-0.201 χ^2/NDF: 2735816.5/35

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

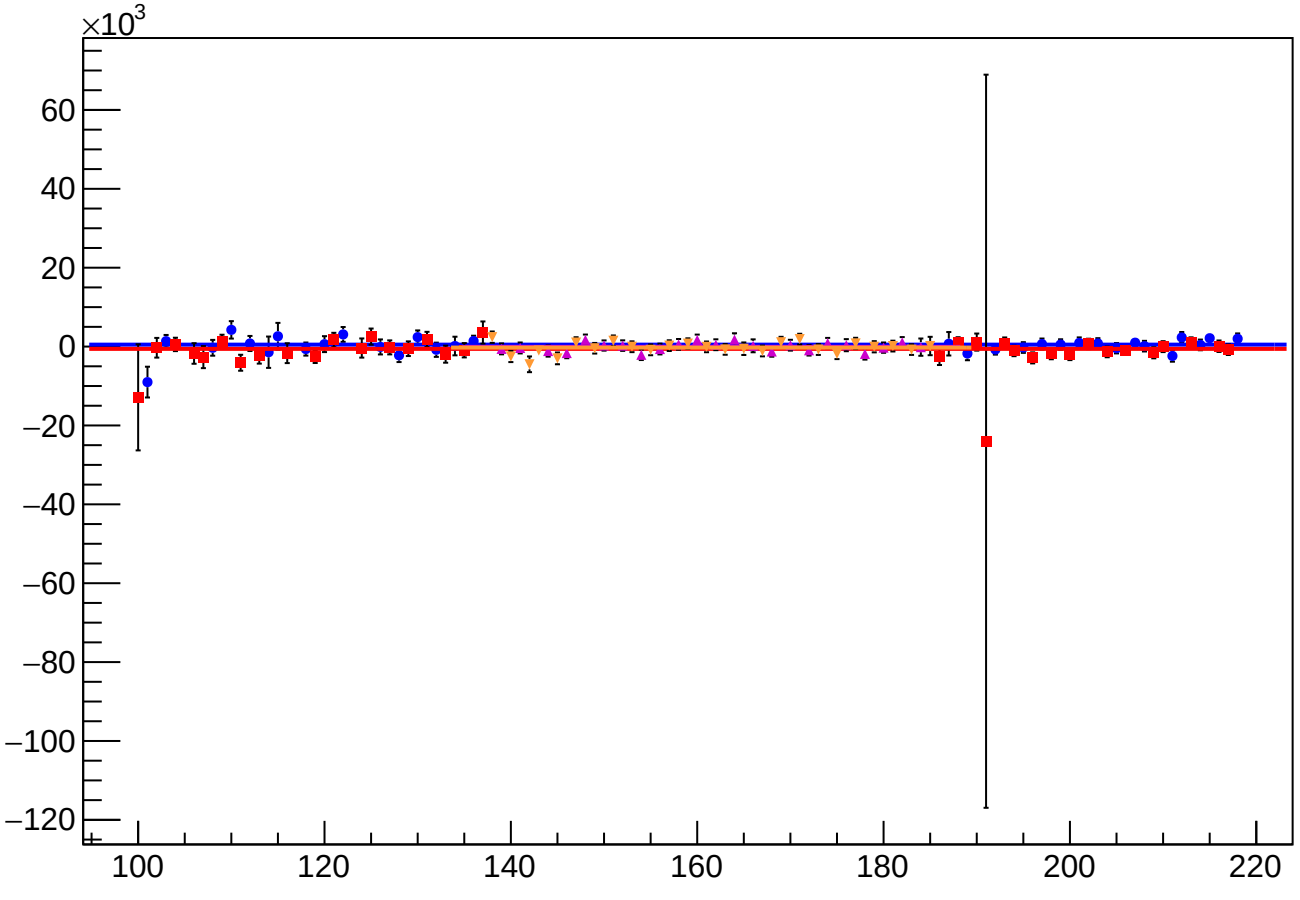
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1200.836+/-0.138 χ^2/NDF: 5504674.0/67

In: 702.522+/-0.087 χ^2/NDF:10764419.9/54

Out: 707.229+/-0.087 χ^2/NDF:12445040.2/60

All: 704.873+/-0.061 χ^2/NDF: 23210938.1/11



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: -582.664+/-283.147 χ^2/NDF: 29.2/35

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

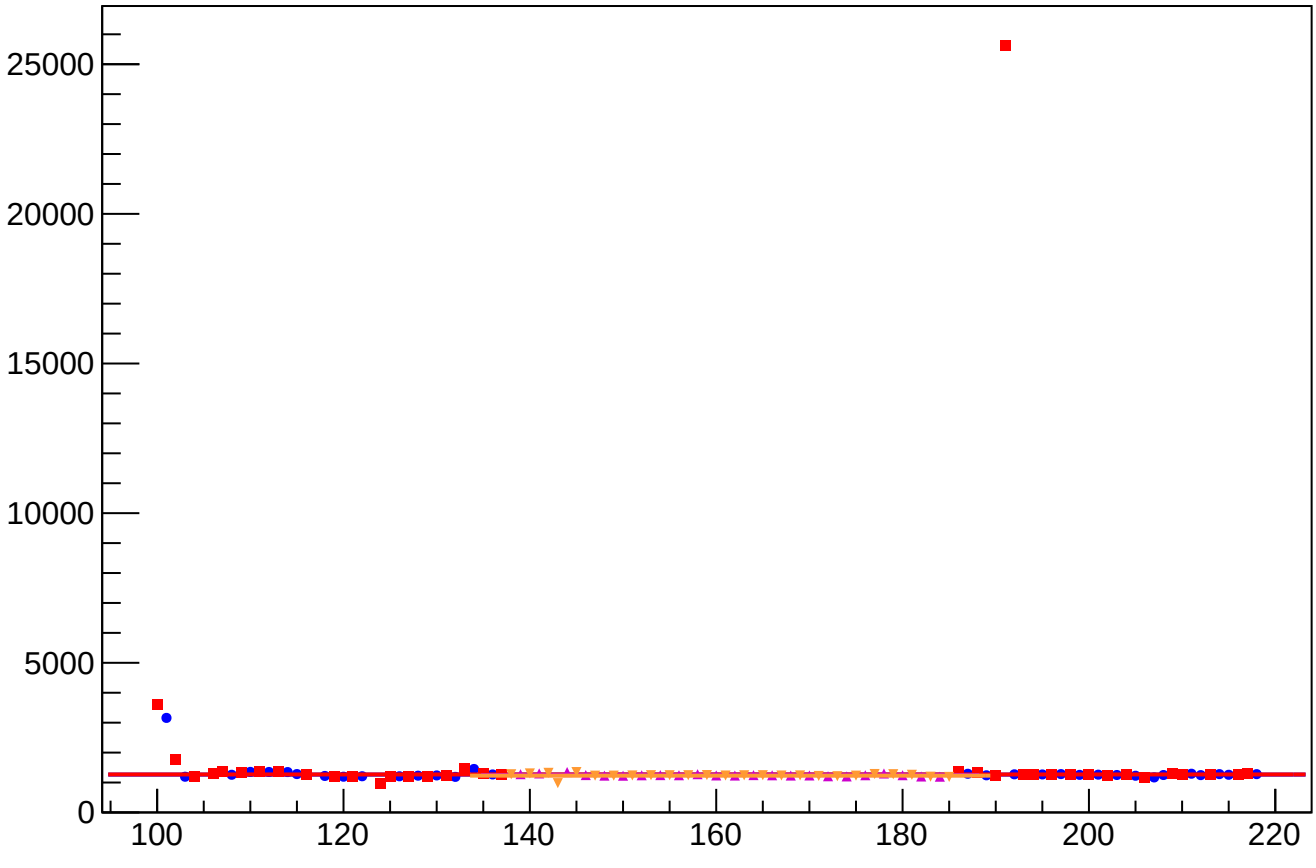
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -46.487+/-200.265 χ^2/NDF: 65.9/67

In: 215.702+/-203.142 χ^2/NDF:45.4/54

Out: -414.856+/-199.065 χ^2/NDF:54.0/60

All: -105.967+/-142.180 χ^2/NDF: 104.3/115



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: 1269.837+/-0.200 χ^2/NDF: 385678.4/35

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

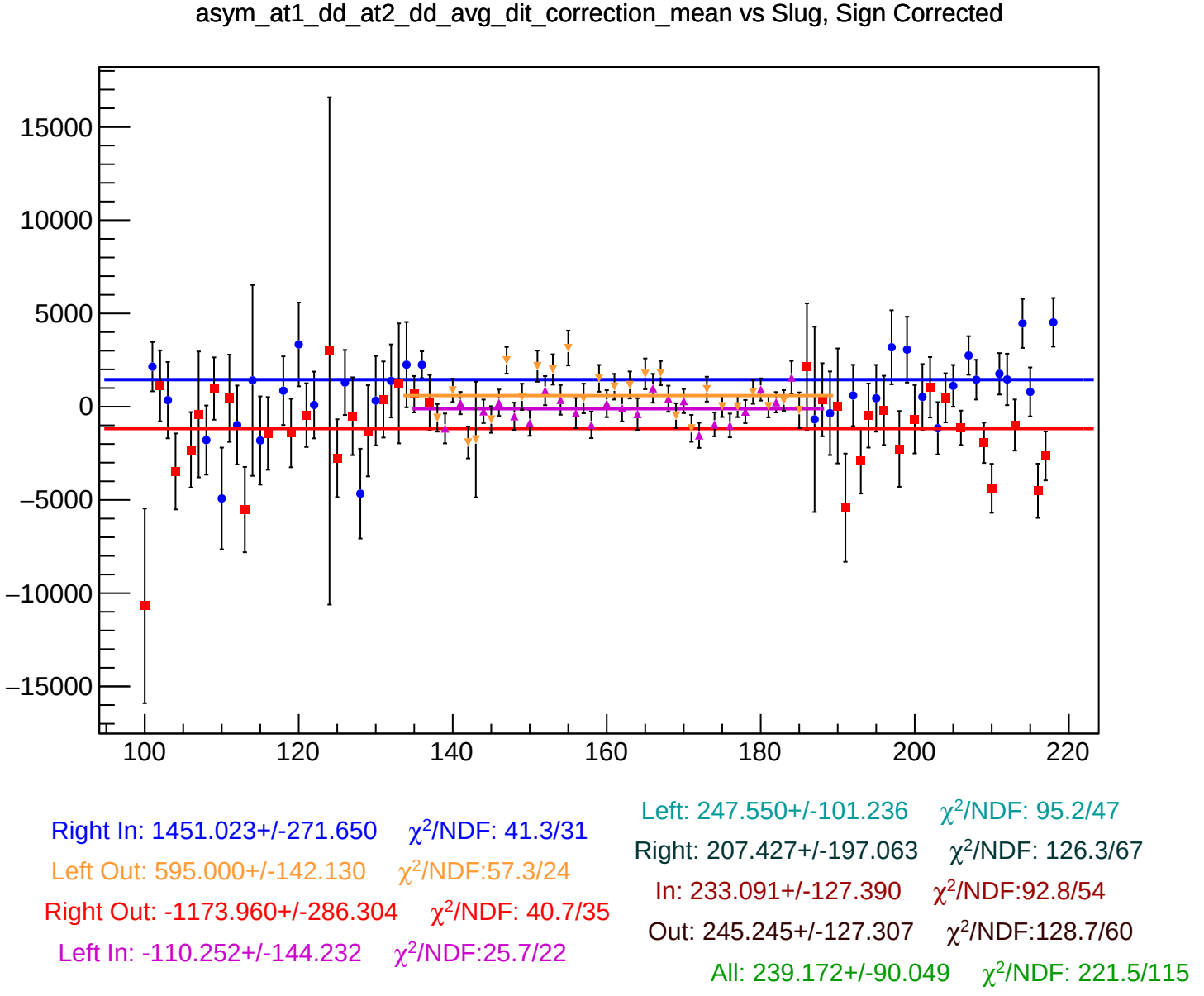
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1267.185+/-0.142 χ^2/NDF: 911776.6/67

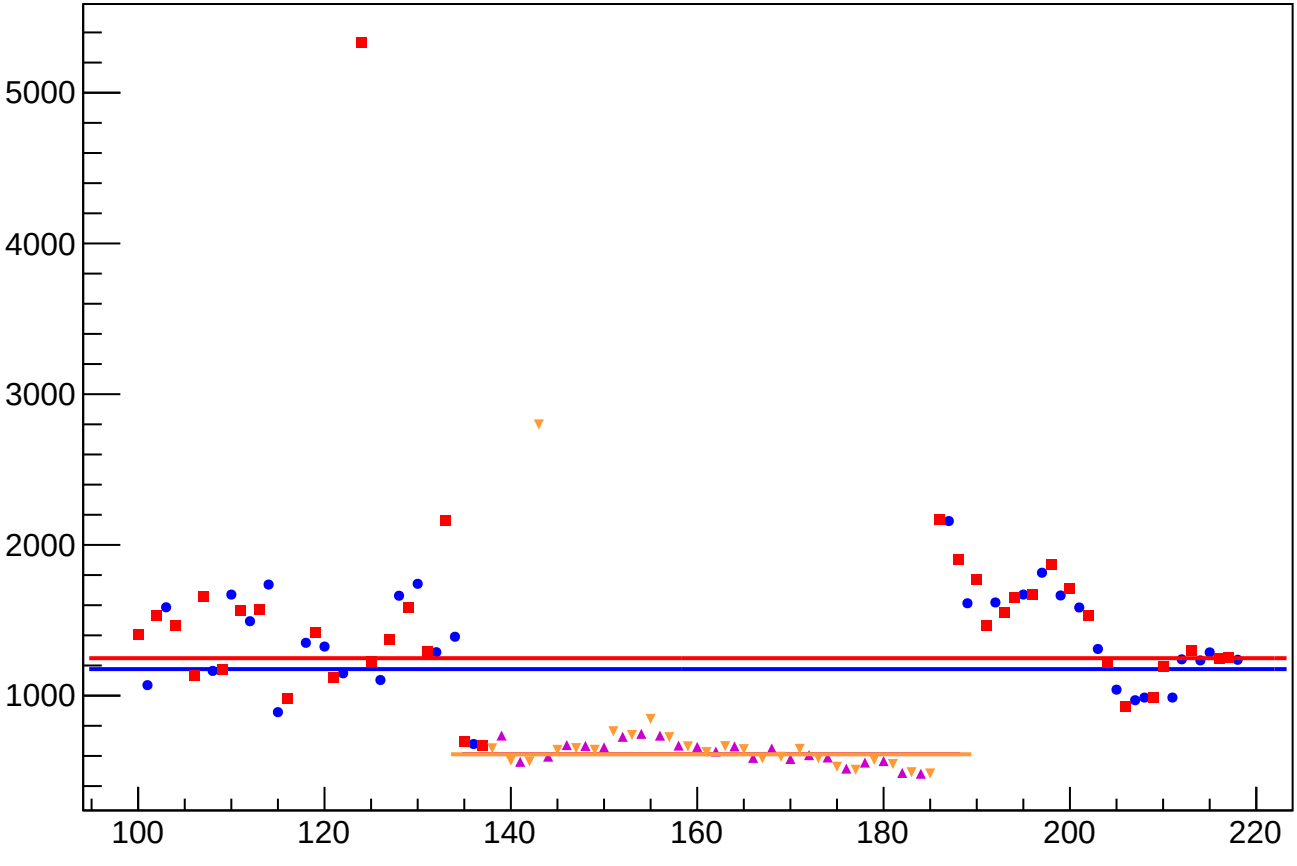
In: 1256.395+/-0.144 χ^2/NDF:556481.8/54

Out: 1249.684+/-0.141 χ^2/NDF:547321.8/60

All: 1252.971+/-0.101 χ^2/NDF: 1104917.2/11


asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1451.023+/-271.650 χ²/NDF: 41.3/31
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -1173.960+/-286.304 χ²/NDF: 40.7/35
Left In: -110.252+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 207.427+/-197.063 χ²/NDF: 126.3/67
In: 233.091+/-127.390 χ²/NDF:92.8/54
Out: 245.245+/-127.307 χ²/NDF:128.7/60
All: 239.172+/-90.049 χ²/NDF: 221.5/115

asym_at1_dd_at2_dd_avg_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: 1248.483+/-0.202 χ^2/NDF: 3030929.2/35

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

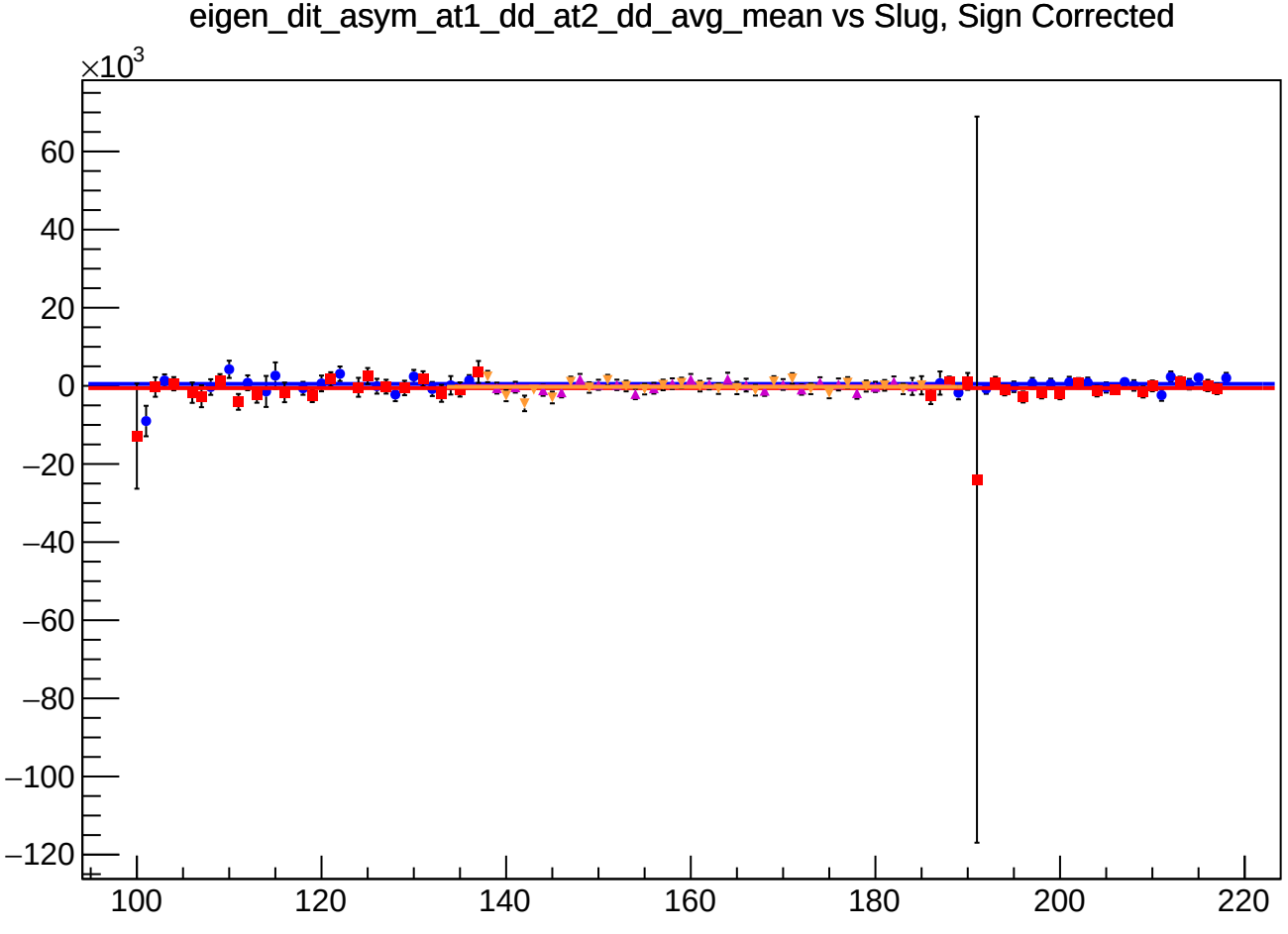
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1210.348+/-0.139 χ^2/NDF: 5749097.2/67

In: 736.345+/-0.090 χ^2/NDF:9875536.5/54

Out: 737.111+/-0.090 χ^2/NDF:12603065.7/60

All: 736.729+/-0.064 χ^2/NDF: 22478638.4/1



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: -582.662+/-283.147 χ^2/NDF: 29.2/35

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

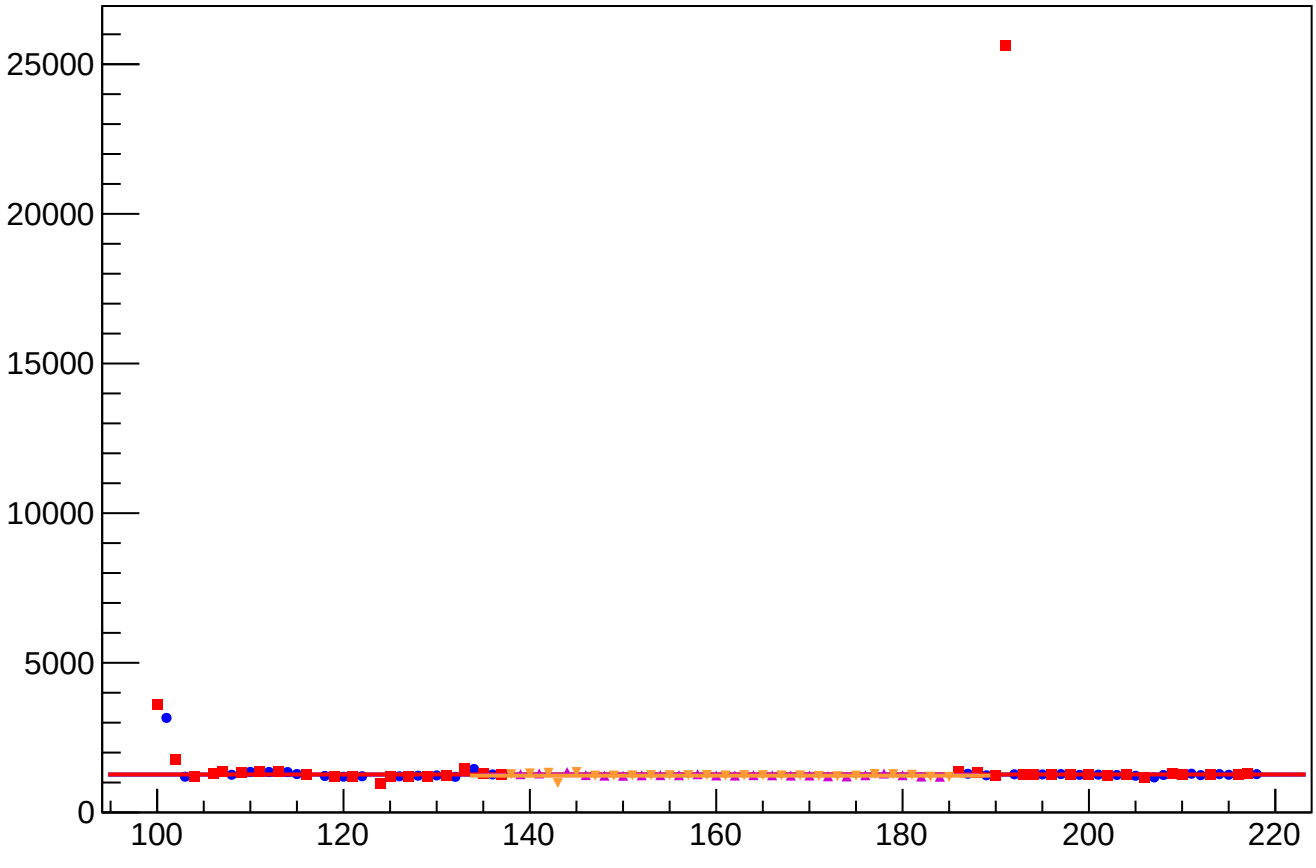
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -46.488+/-200.265 χ^2/NDF: 65.9/67

In: 215.700+/-203.142 χ^2/NDF:45.4/54

Out: -414.856+/-199.065 χ^2/NDF:54.0/60

All: -105.968+/-142.180 χ^2/NDF: 104.3/115



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: 1269.837+/-0.200 χ^2/NDF: 385678.2/35

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

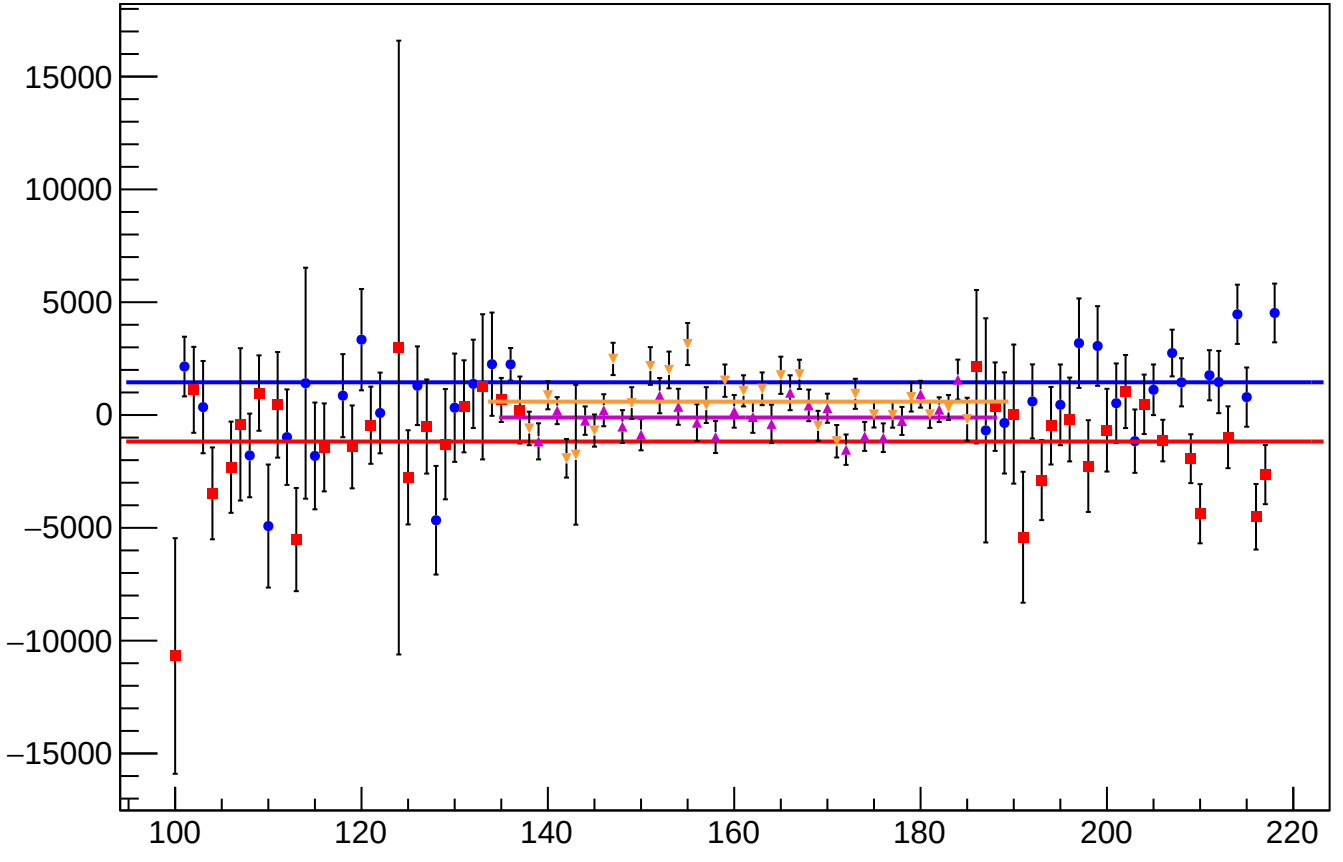
Right: 1267.184+/-0.142 χ^2/NDF: 911776.5/67

In: 1256.395+/-0.144 χ^2/NDF:556481.9/54

Out: 1249.684+/-0.141 χ^2/NDF:547320.7/60

All: 1252.971+/-0.101 χ^2/NDF: 1104916.1/11

asym_at1_dd_at2_dd_avg_eigen_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: -1173.961+/-286.305 χ^2/NDF: 40.7/35

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

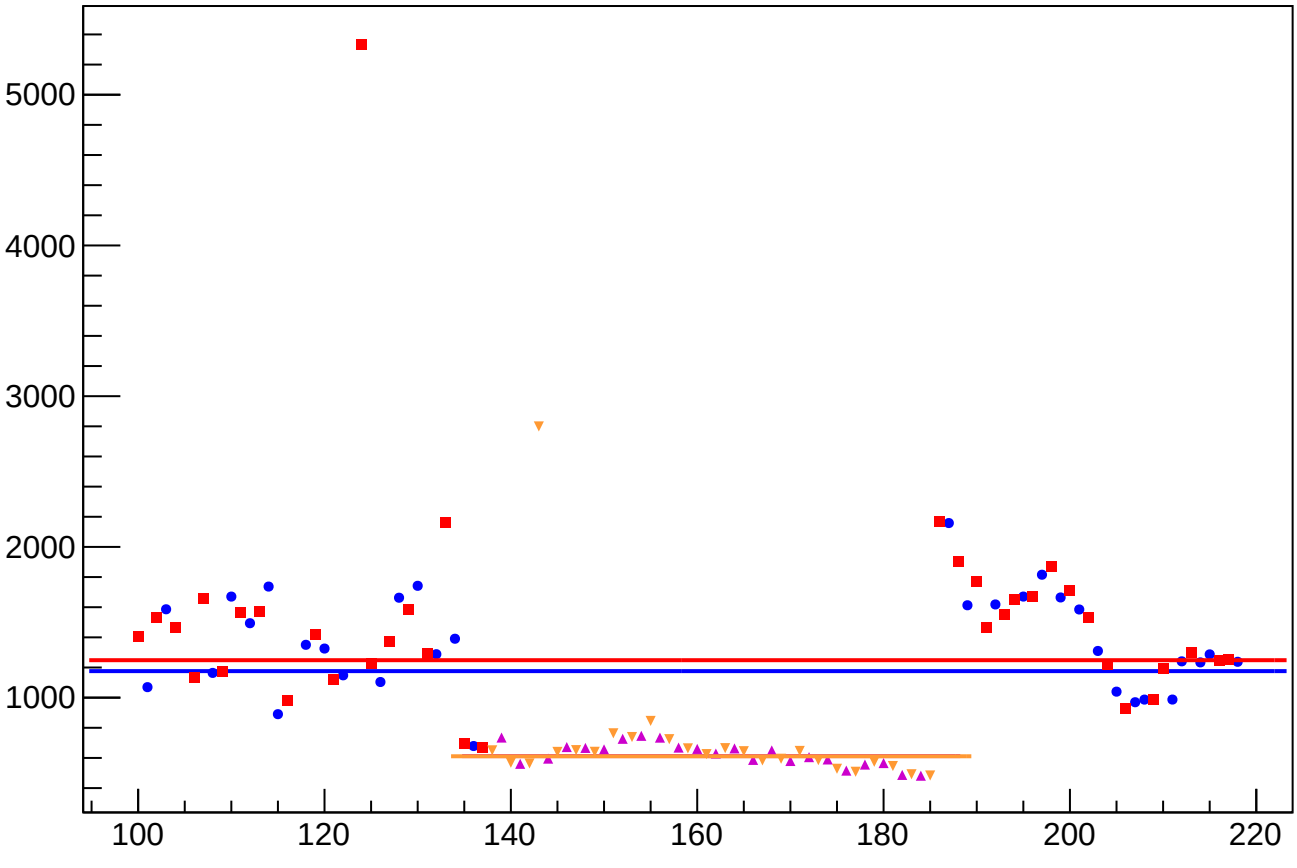
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 207.429+/-197.063 χ^2/NDF: 126.3/67

In: 233.091+/-127.390 χ^2/NDF:92.8/54

Out: 245.246+/-127.307 χ^2/NDF:128.7/60

All: 239.173+/-90.049 χ^2/NDF: 221.5/115



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: 1248.486+/-0.202 χ^2/NDF: 3030872.4/35

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

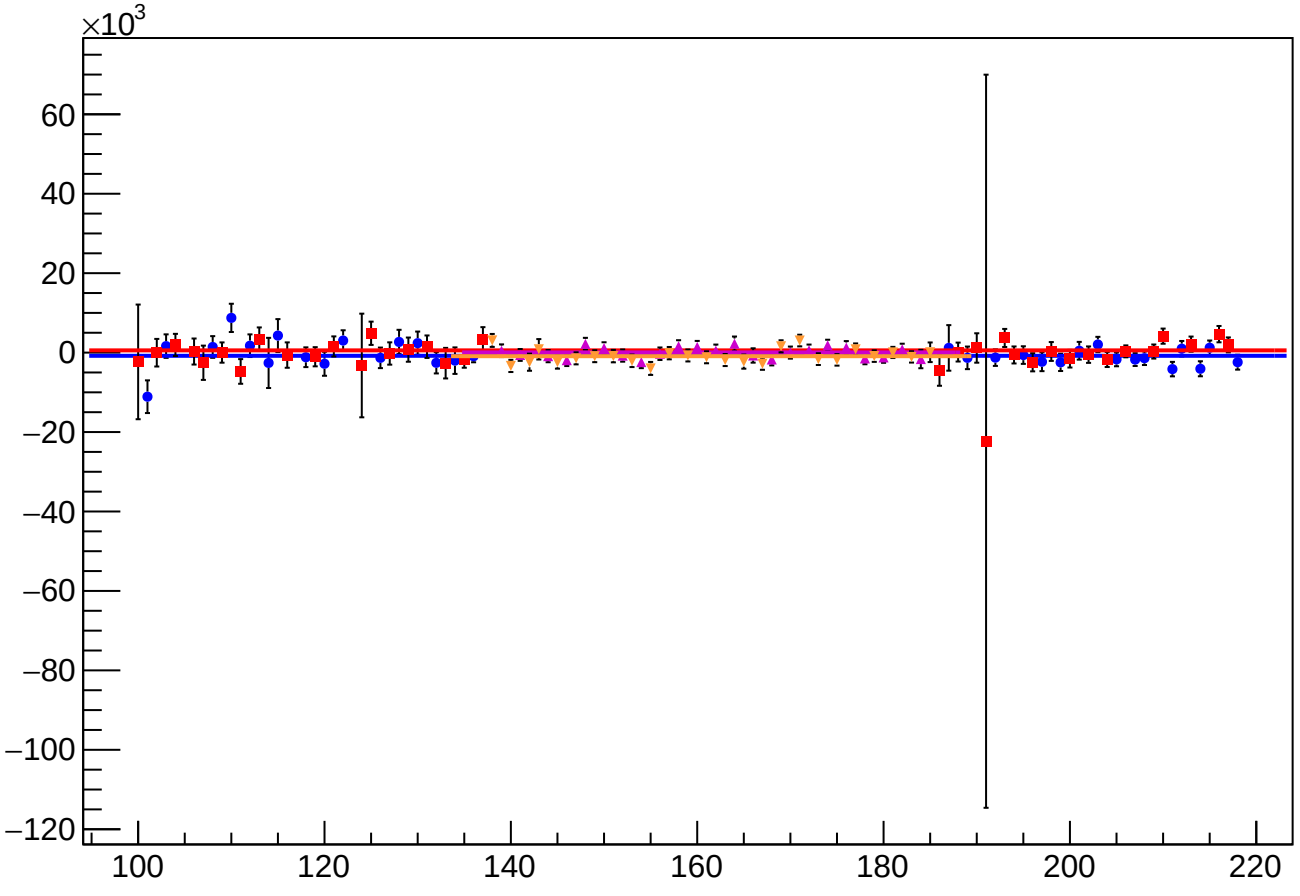
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1210.350+/-0.139 χ^2/NDF: 5748983.2/67

In: 736.345+/-0.090 χ^2/NDF:9875515.3/54

Out: 737.111+/-0.090 χ^2/NDF:12603064.4/60

All: 736.728+/-0.064 χ^2/NDF: 22478615.9/1



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: 563.449+/-419.443 χ^2/NDF: 27.6/35

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

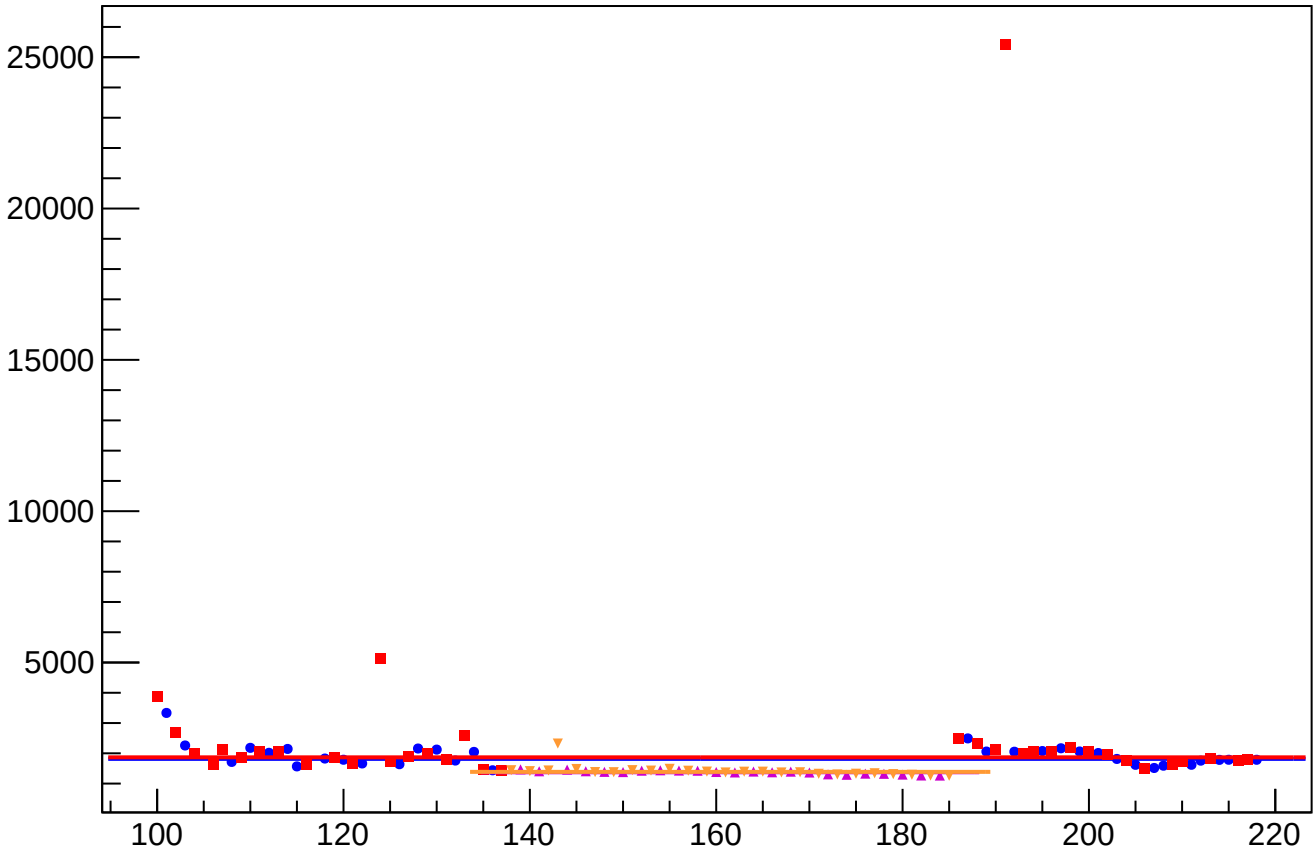
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -136.231+/-292.883 χ^2/NDF: 69.6/67

In: -275.652+/-252.515 χ^2/NDF:57.1/54

Out: -369.095+/-252.618 χ^2/NDF:65.2/60

All: -322.354+/-178.592 χ^2/NDF: 122.3/115



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: 1866.677+/-0.297 χ^2/NDF: 1059515.3/35

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

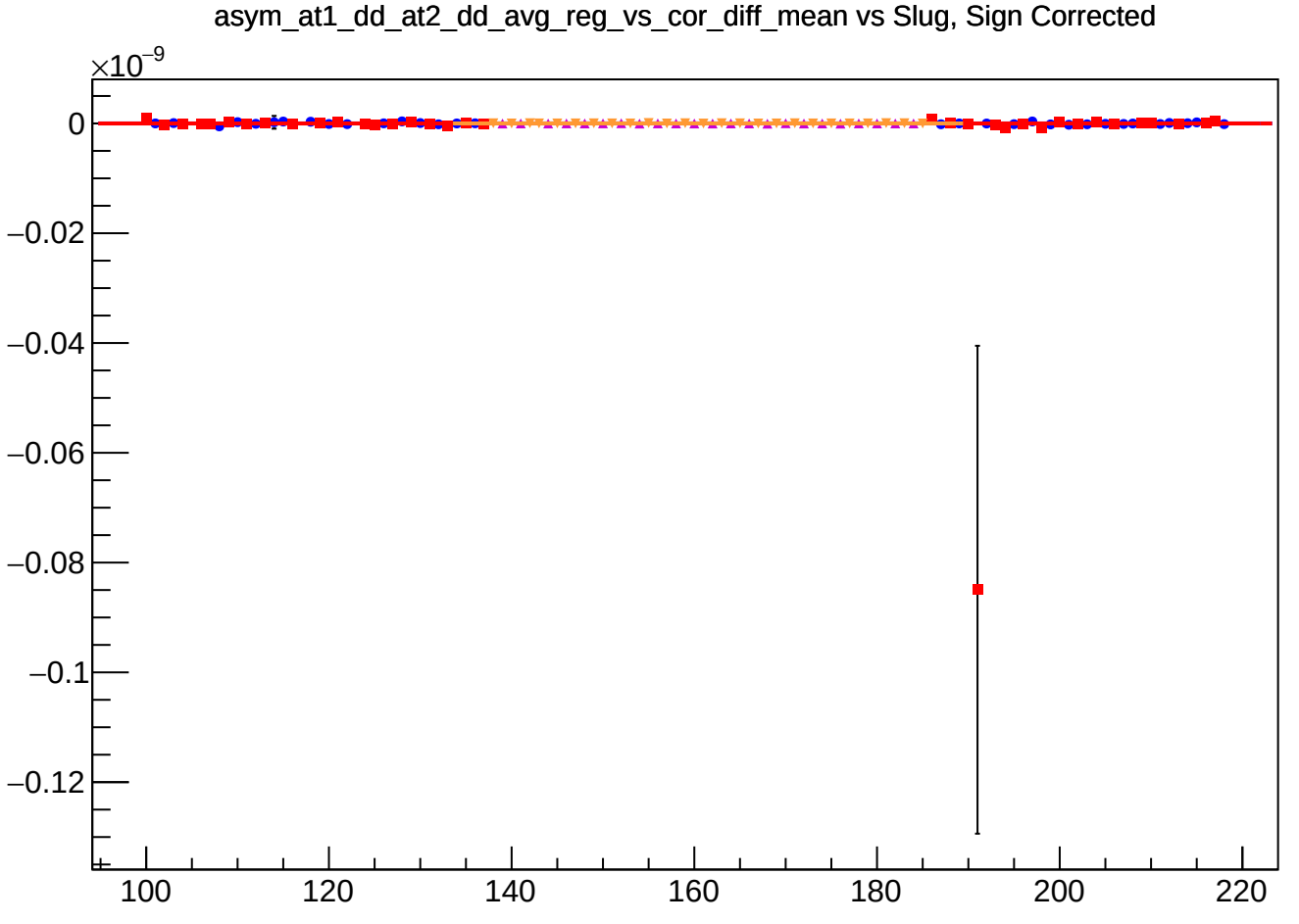
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1840.712+/-0.207 χ^2/NDF: 1968598.6/67

In: 1541.878+/-0.179 χ^2/NDF:2408779.4/54

Out: 1560.896+/-0.179 χ^2/NDF:3067281.6/60

All: 1551.383+/-0.126 χ^2/NDF: 5481731.0/11



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: 56.8/35

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

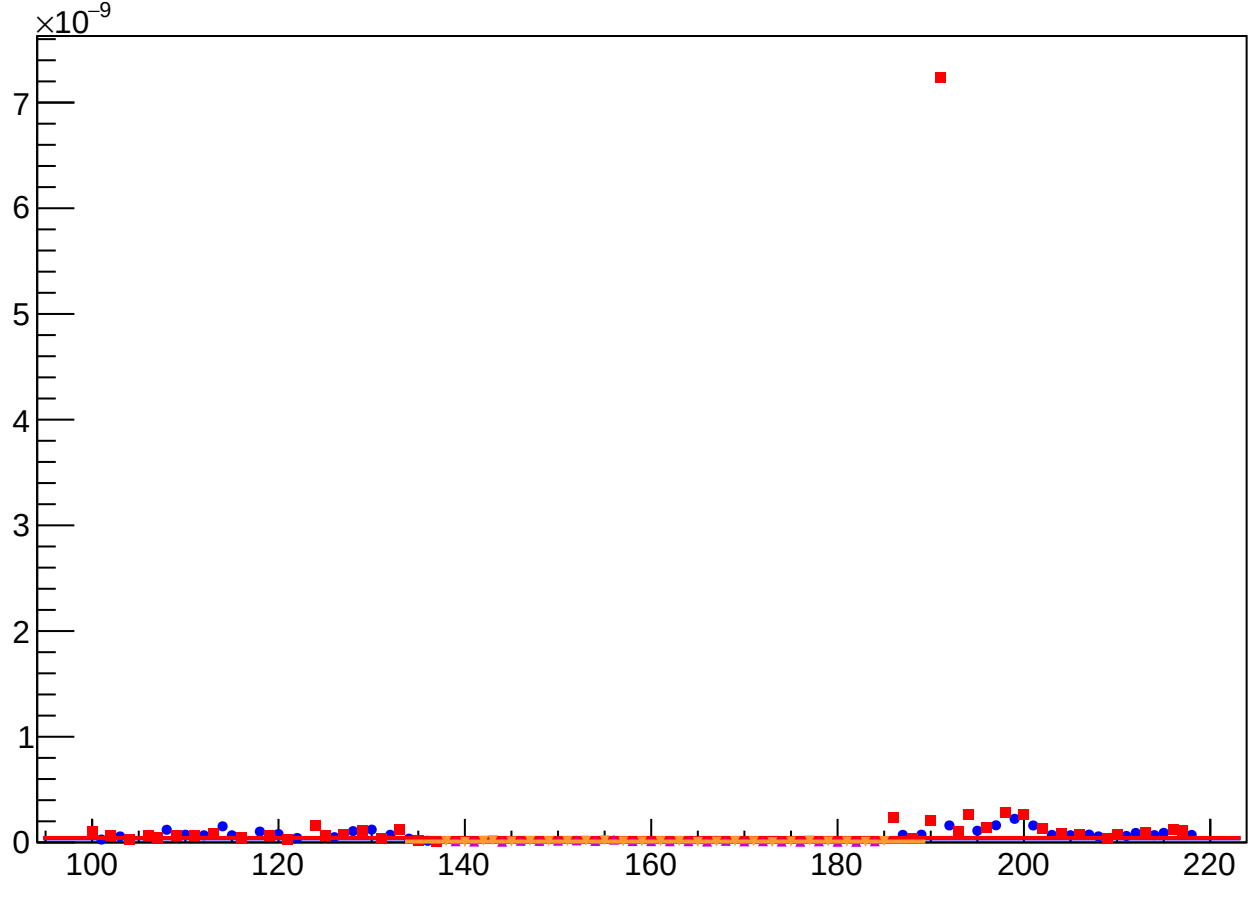
Right: 0.000+/-0.000 χ^2/NDF: 85.4/67

In: 0.000+/-0.000 χ^2/NDF:41.8/54

Out: 0.000+/-0.000 χ^2/NDF:81.9/60

All: 0.000+/-0.000 χ^2/NDF: 123.8/115

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: 7667075.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

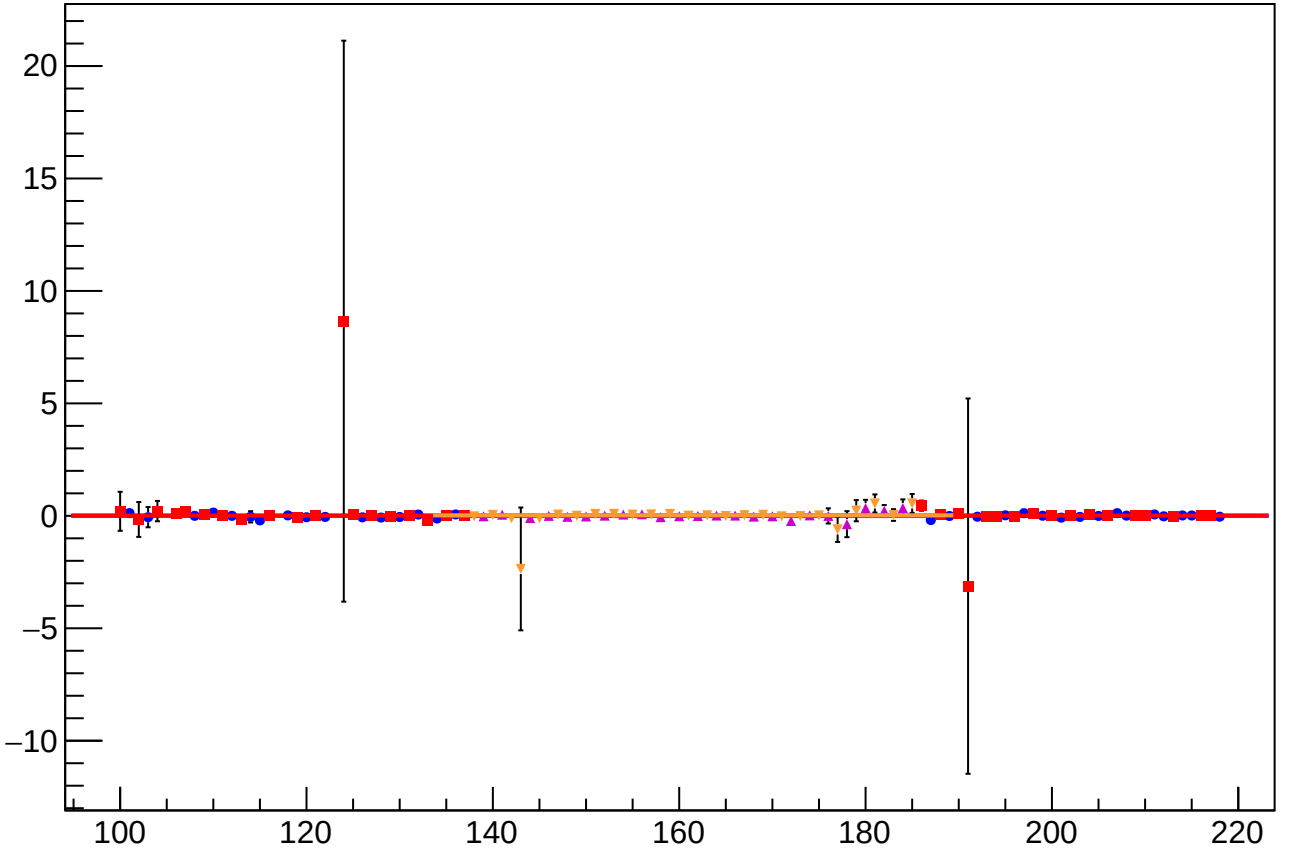
Right: 0.000+/-0.000 χ^2/NDF: 14886445.7/67

In: 0.000+/-0.000 χ^2/NDF:13651939.4/54

Out: 0.000+/-0.000 χ^2/NDF:16208627.6/60

All: 0.000+/-0.000 χ^2/NDF: 30217731.8/115

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+/-0.009 χ^2/NDF: 24.5/35

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

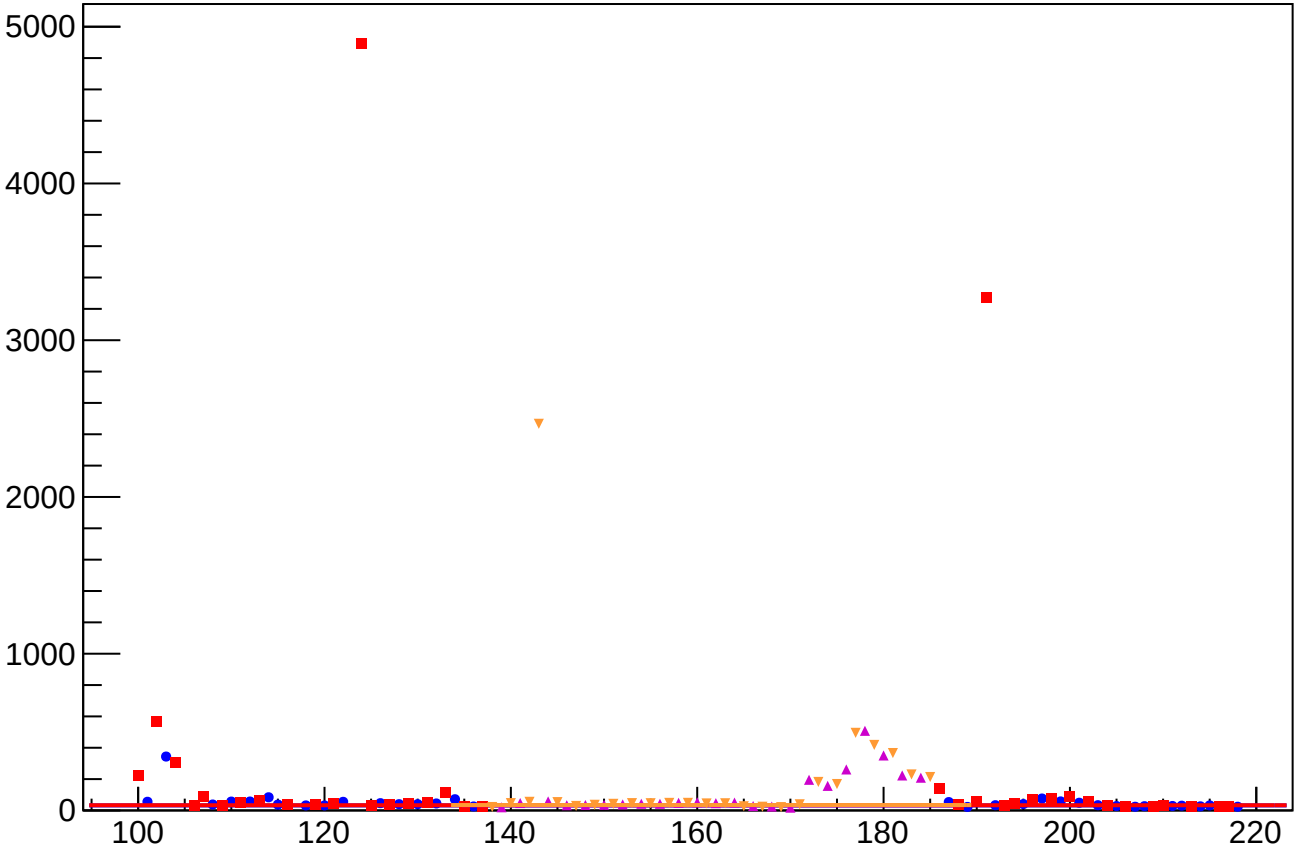
Right: 0.008+/-0.006 χ^2/NDF: 72.9/67

In: -0.000+/-0.006 χ^2/NDF:64.6/54

Out: 0.016+/-0.007 χ^2/NDF:48.2/60

All: 0.008+/-0.005 χ^2/NDF: 115.9/115

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: 33.279+/-0.006 χ^2/NDF: 6794458.3/35

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

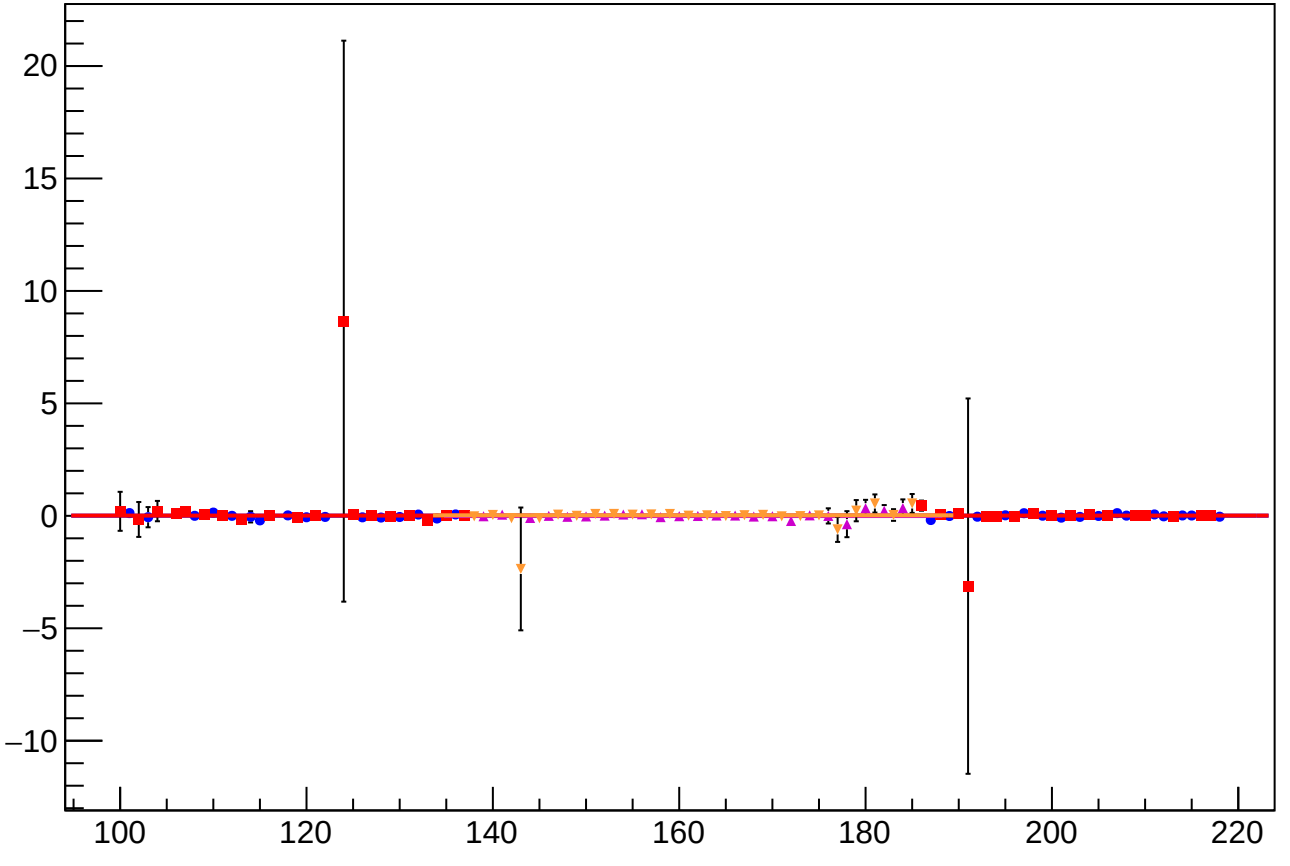
Right: 32.619+/-0.004 χ^2/NDF: 10770276.3/67

In: 32.670+/-0.004 χ^2/NDF:14051011.9/54

Out: 33.850+/-0.005 χ^2/NDF:18216880.4/60

All: 33.231+/-0.003 χ^2/NDF: 32300933.9/115

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+/-0.009 χ^2/NDF: 24.5/35

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

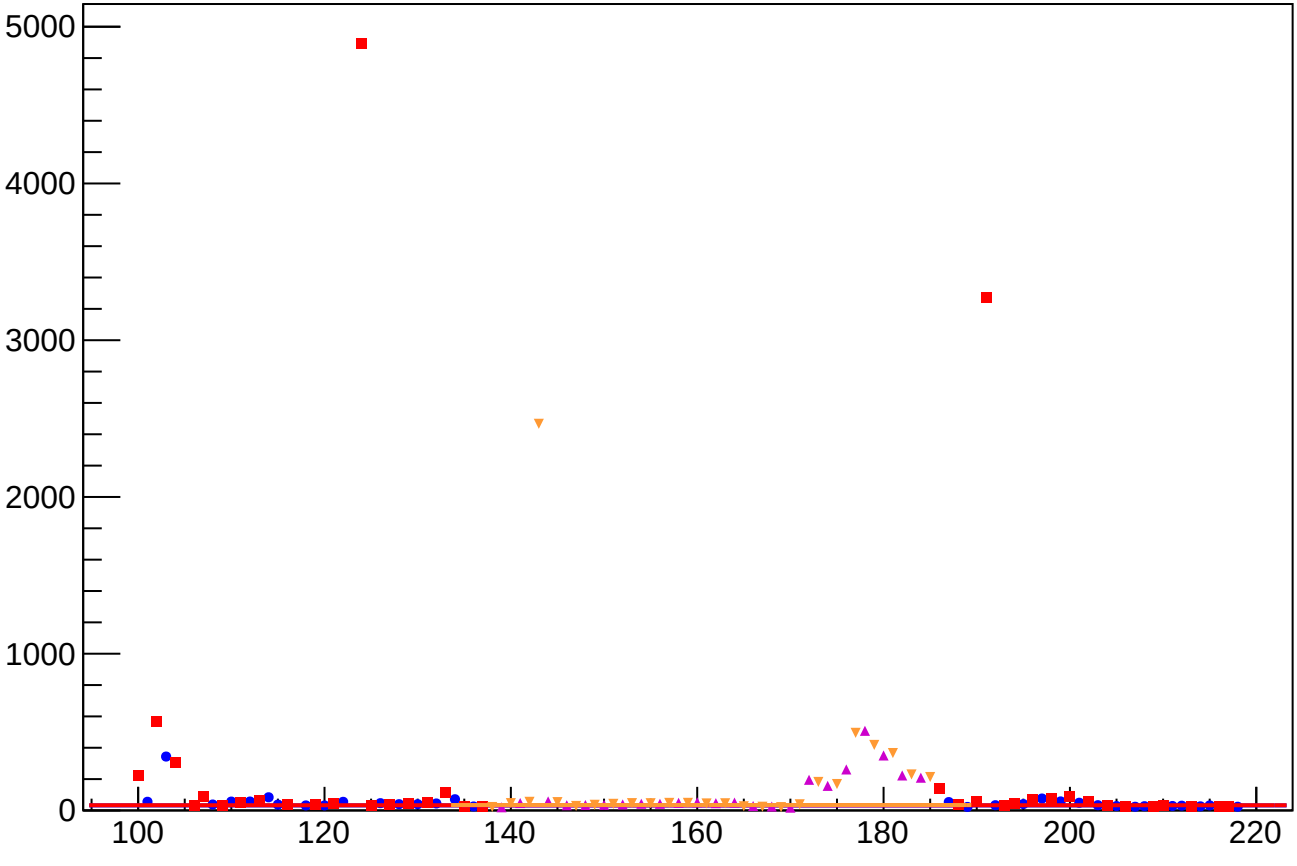
Right: 0.008+/-0.006 χ^2/NDF: 72.9/67

In: -0.000+/-0.006 χ^2/NDF:64.6/54

Out: 0.016+/-0.007 χ^2/NDF:48.2/60

All: 0.008+/-0.005 χ^2/NDF: 115.9/115

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: 33.279+/-0.006 χ^2/NDF: 6794458.3/35

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

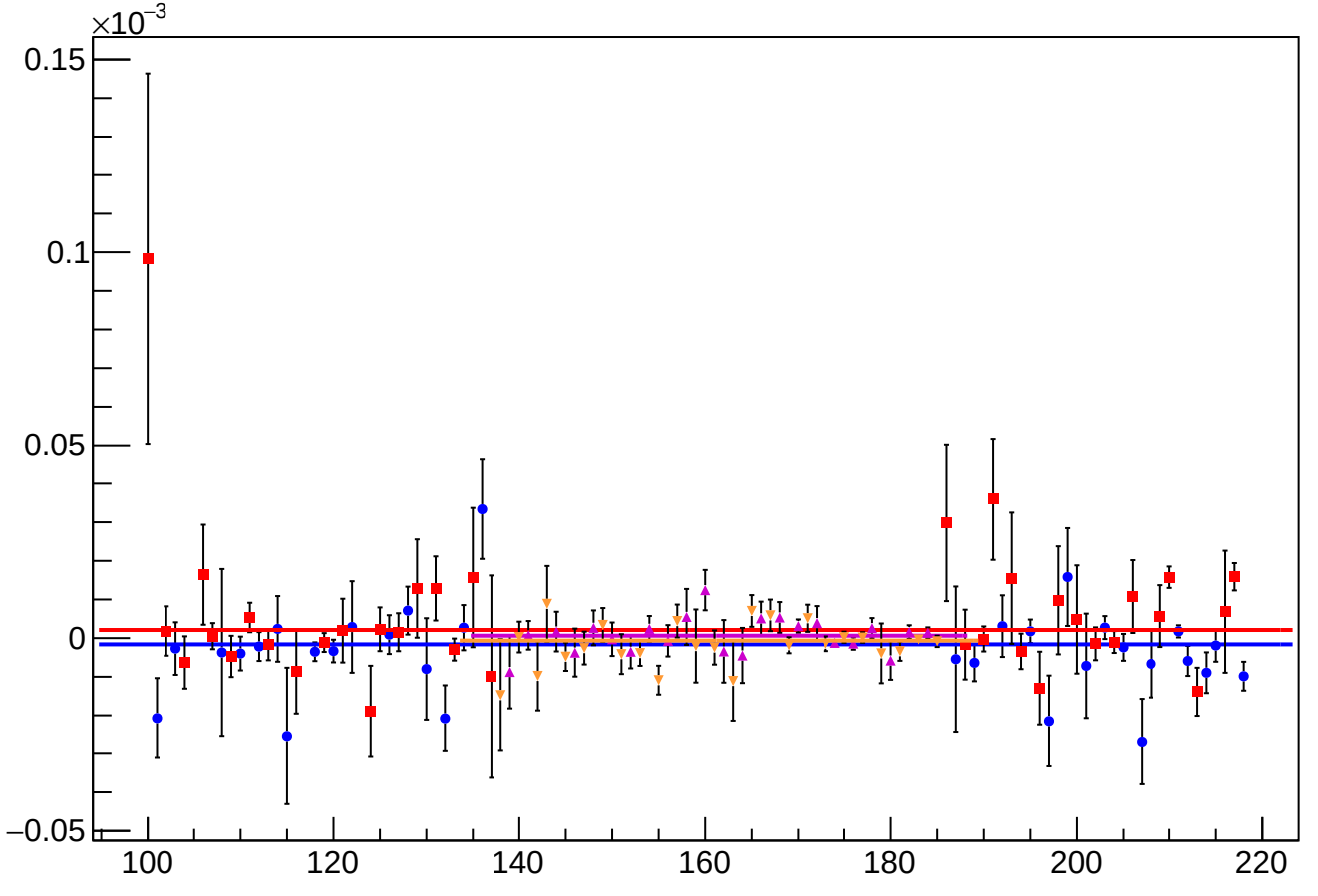
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 32.619+/-0.004 χ^2/NDF: 10770276.3/67

In: 32.670+/-0.004 χ^2/NDF:14051011.9/54

Out: 33.850+/-0.005 χ^2/NDF:18216880.4/60

All: 33.231+/-0.003 χ^2/NDF: 32300933.9/115



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: 83.9/35

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

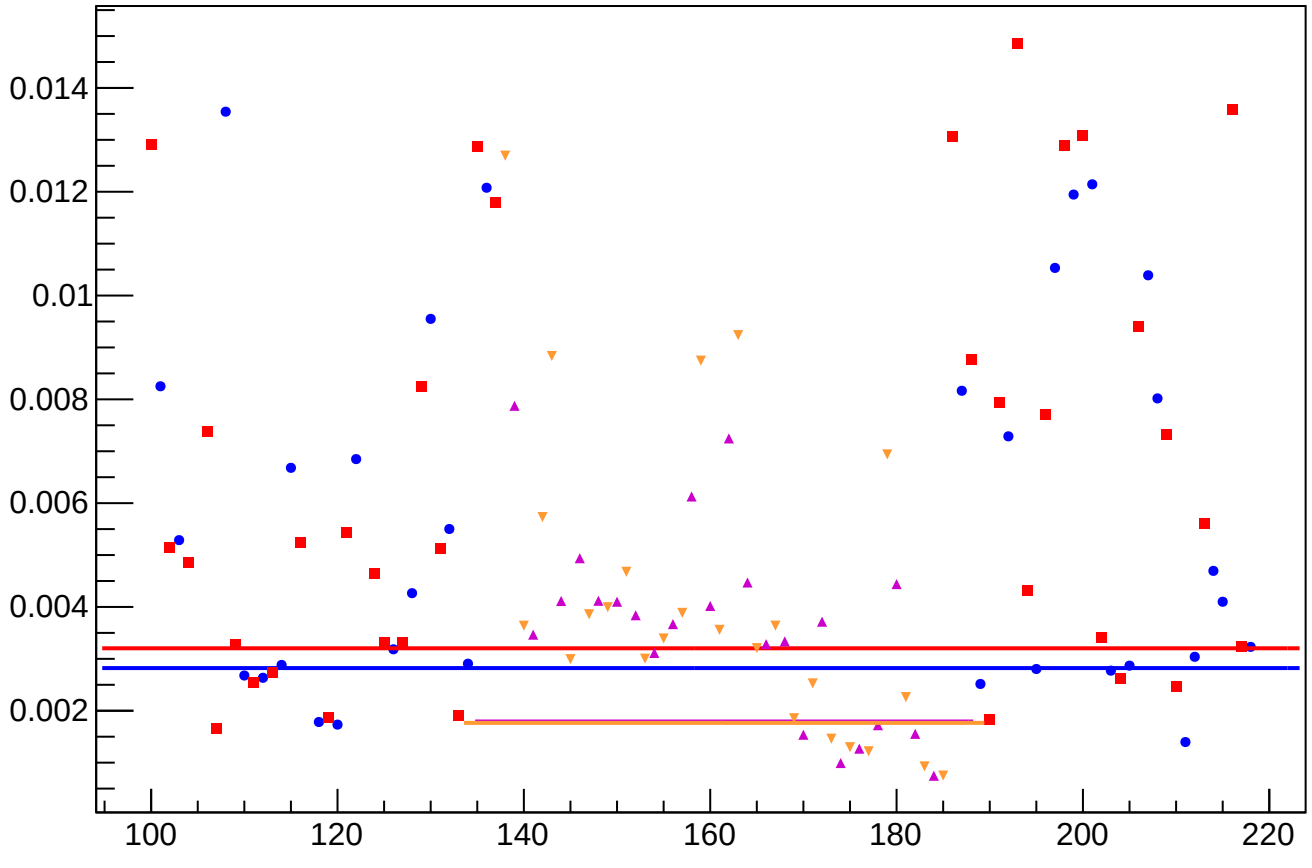
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: 0.000+/-0.000 χ^2/NDF: 144.3/67

In: -0.000+/-0.000 χ^2/NDF:77.6/54

Out: 0.000+/-0.000 χ^2/NDF:119.8/60

All: -0.000+/-0.000 χ^2/NDF: 197.5/115



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: 11597710.9/35

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

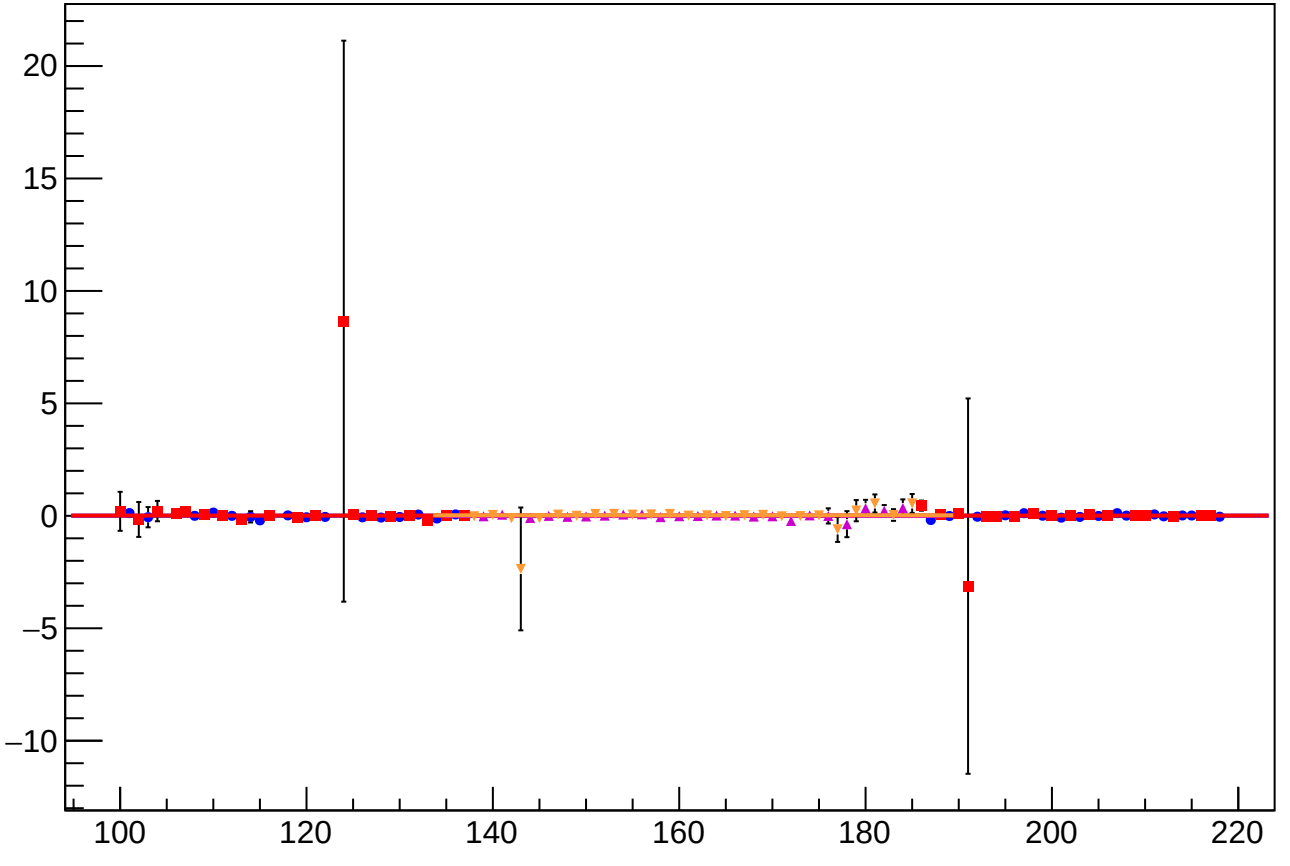
Right: 0.003+/-0.000 χ^2/NDF: 23363423.9/67

In: 0.002+/-0.000 χ^2/NDF:24639710.5/54

Out: 0.002+/-0.000 χ^2/NDF:28658476.9/60

All: 0.002+/-0.000 χ^2/NDF: 53299472.4/115

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+/-0.009 χ^2/NDF: 24.5/35

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

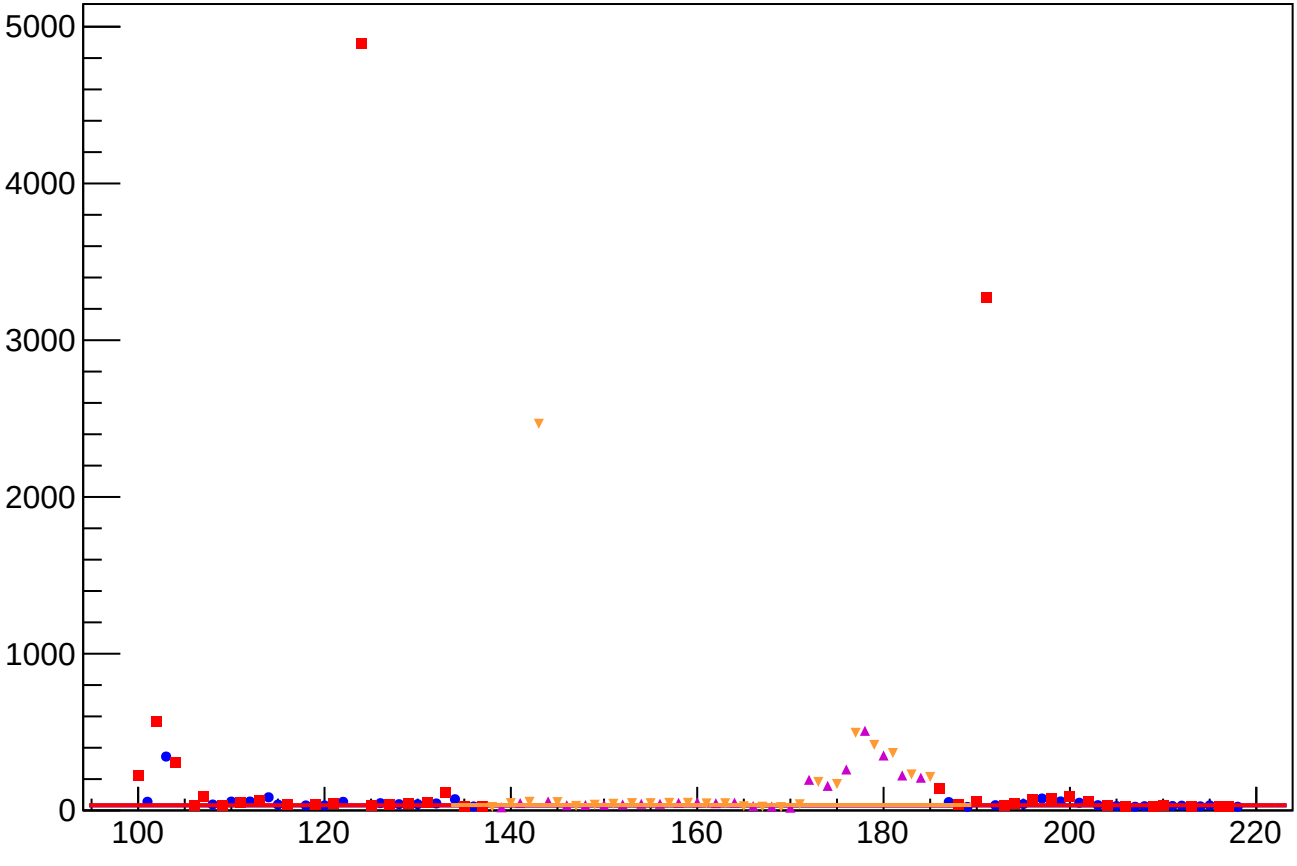
Right: 0.008+/-0.006 χ^2/NDF: 72.9/67

In: -0.000+/-0.006 χ^2/NDF:64.6/54

Out: 0.016+/-0.007 χ^2/NDF:48.2/60

All: 0.008+/-0.005 χ^2/NDF: 116.0/115

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: 33.279+/-0.006 χ^2/NDF: 6794340.6/35

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

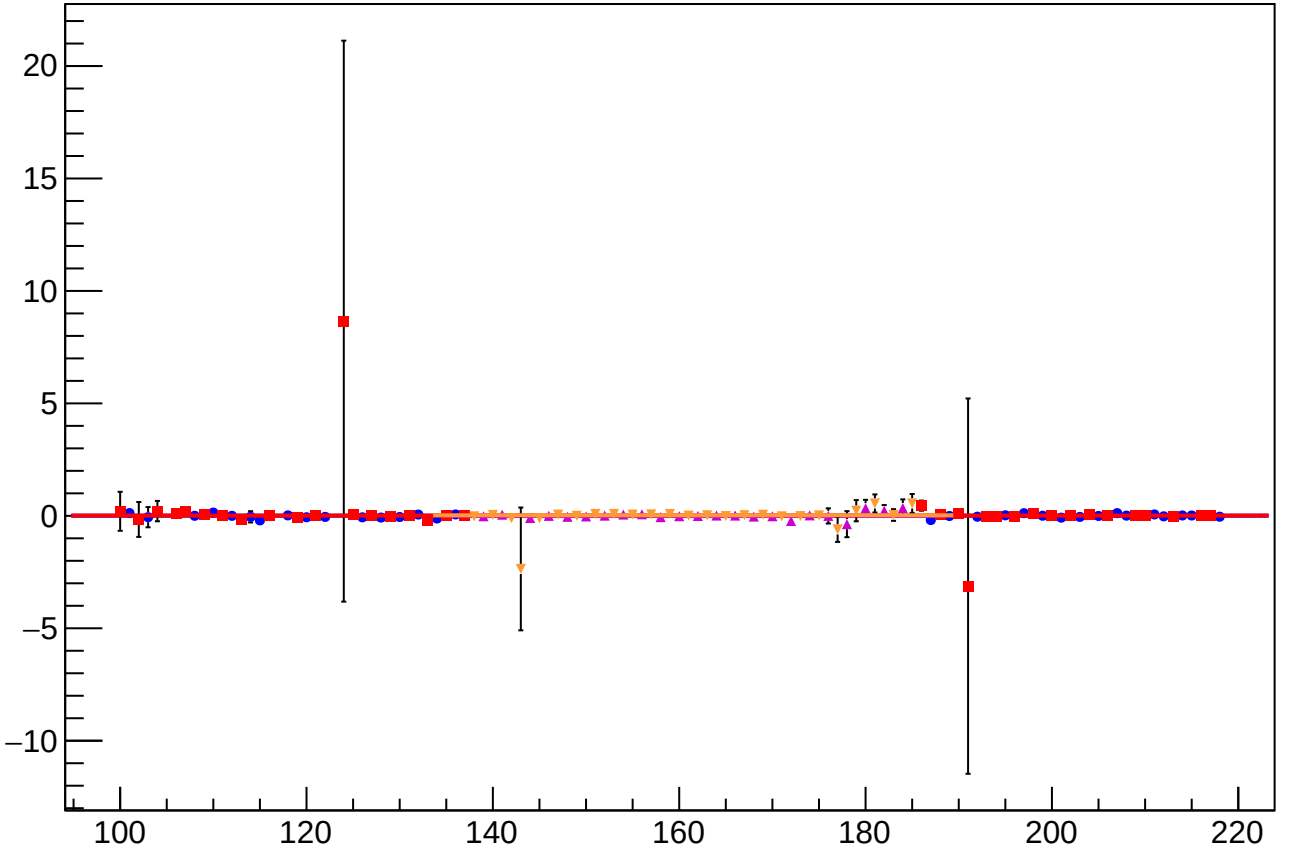
Right: 32.621+/-0.004 χ^2/NDF: 10768803.5/67

In: 32.672+/-0.004 χ^2/NDF:14048446.5/54

Out: 33.850+/-0.005 χ^2/NDF:18216834.2/60

All: 33.232+/-0.003 χ^2/NDF: 32298178.2/115

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+/-0.009 χ^2/NDF: 24.5/35

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

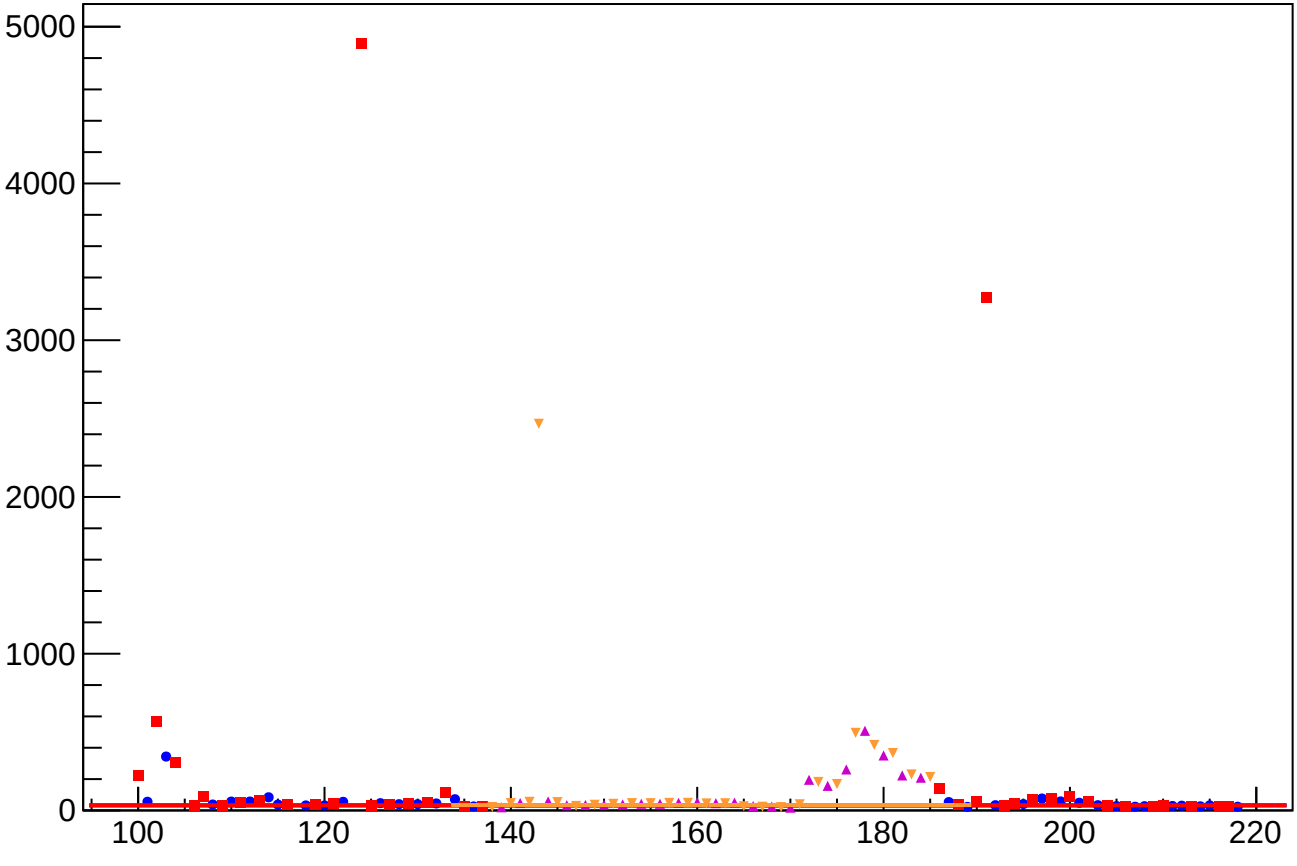
Right: 0.008+/-0.006 χ^2/NDF: 72.9/67

In: -0.000+/-0.006 χ^2/NDF:64.6/54

Out: 0.016+/-0.007 χ^2/NDF:48.2/60

All: 0.008+/-0.005 χ^2/NDF: 116.0/115

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: 33.279+/-0.006 χ^2/NDF: 6794340.6/35

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

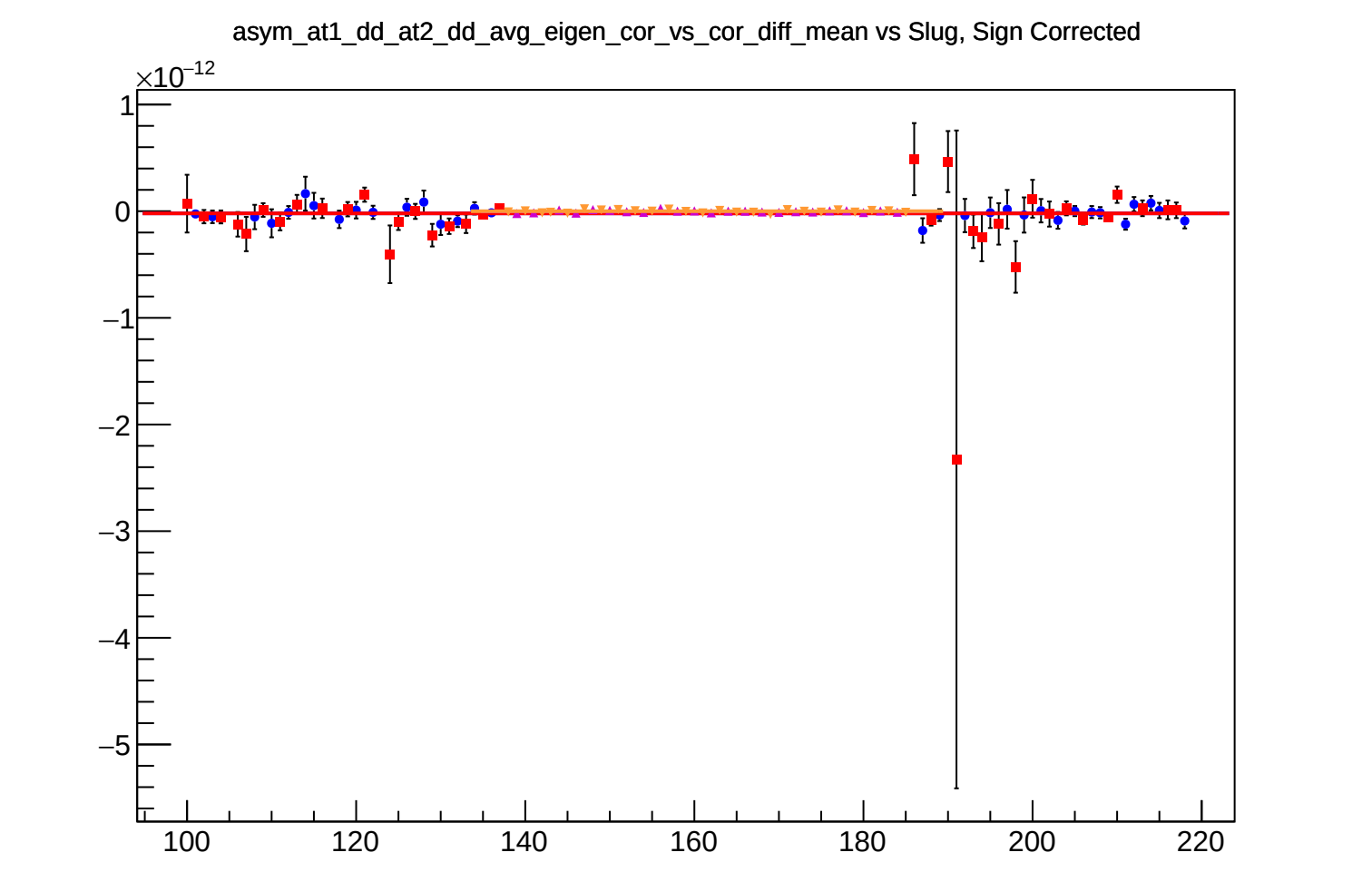
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 32.621+/-0.004 χ^2/NDF: 10768803.5/67

In: 32.672+/-0.004 χ^2/NDF:14048446.5/54

Out: 33.850+/-0.005 χ^2/NDF:18216834.2/60

All: 33.232+/-0.003 χ^2/NDF: 32298178.2/115



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: 50.9/35

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

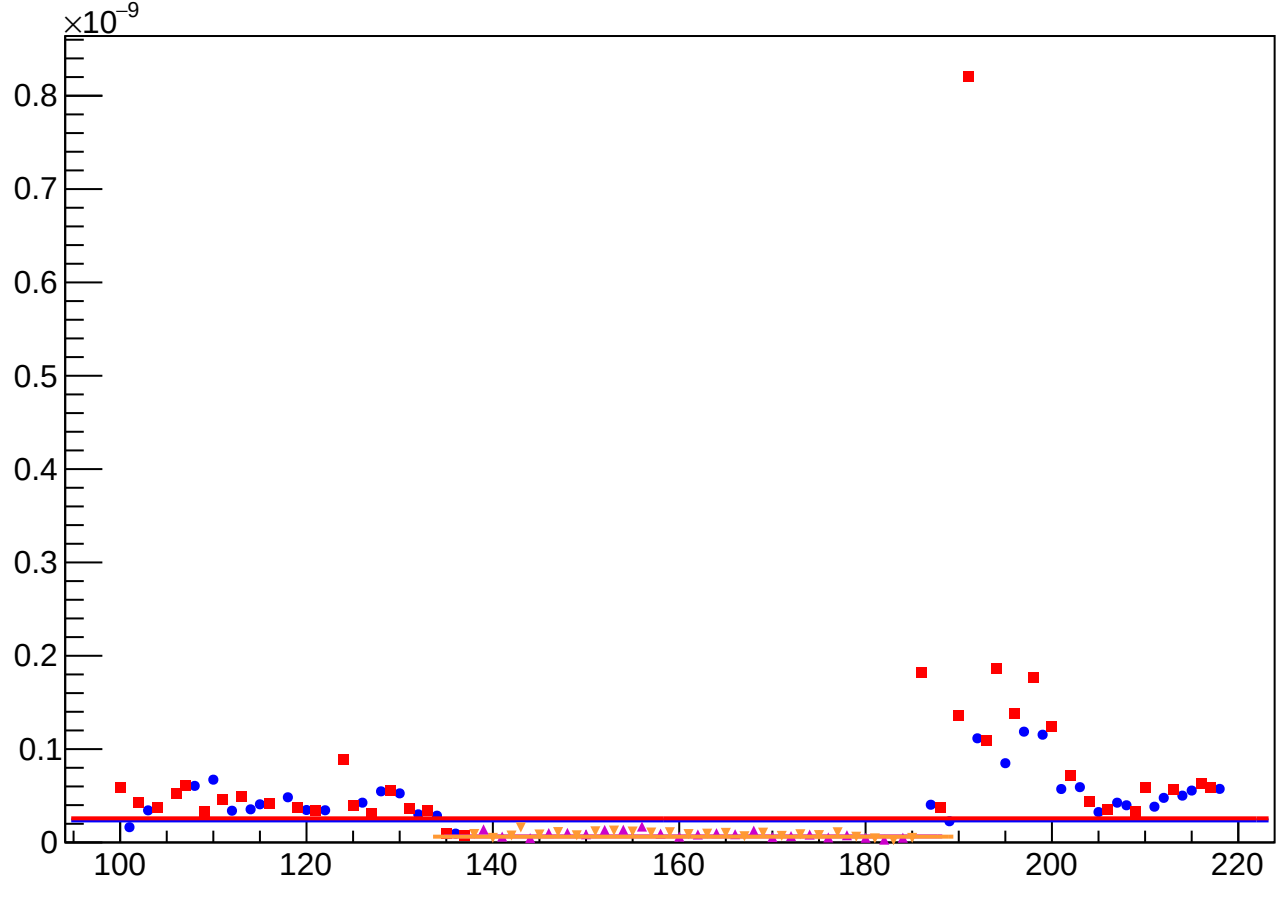
Right: -0.000+/-0.000 χ^2/NDF: 71.1/67

In: -0.000+/-0.000 χ^2/NDF:44.2/54

Out: -0.000+/-0.000 χ^2/NDF:81.2/60

All: -0.000+/-0.000 χ^2/NDF: 125.9/115

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9000854.2/31

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11271684.6/35

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

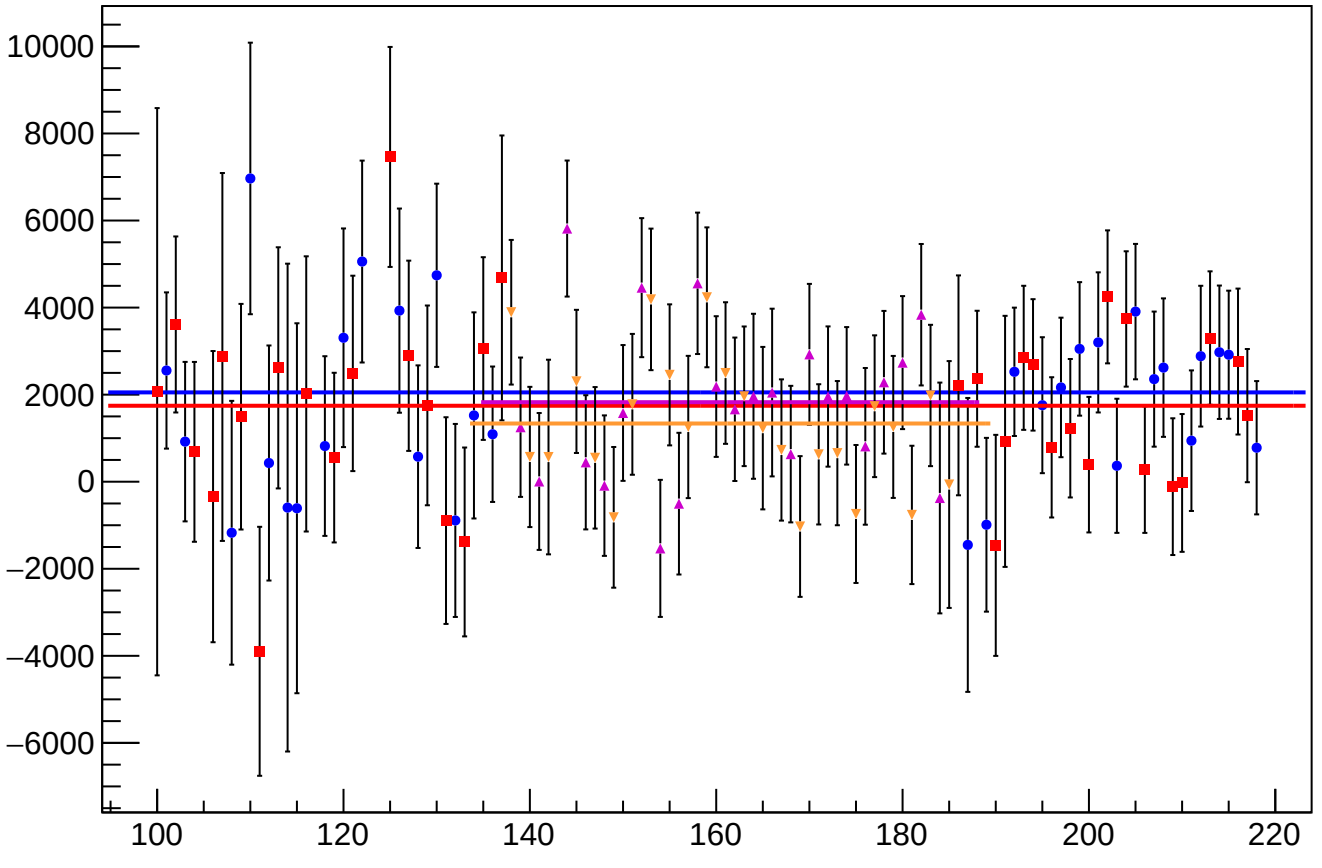
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 20331858.7/67

In: 0.000+/-0.000 χ^2/NDF:20375628.6/54

Out: 0.000+/-0.000 χ^2/NDF:24323928.8/60

All: 0.000+/-0.000 χ^2/NDF: 44743596.1/115



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: 1744.908+/-332.499 χ^2/NDF: 29.3/34

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

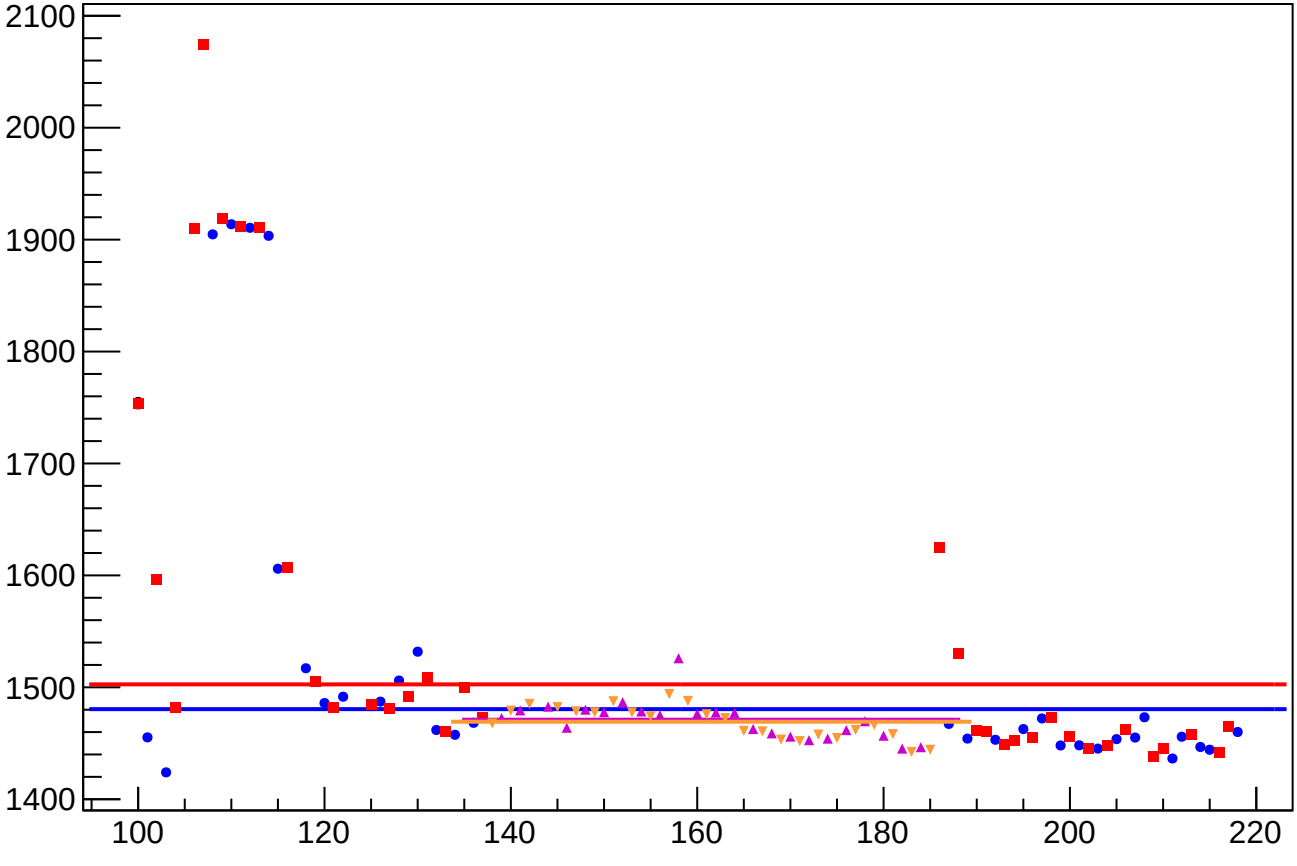
Right: 1899.581+/-234.185 χ^2/NDF: 51.4/66

In: 1943.762+/-237.929 χ^2/NDF:48.4/54

Out: 1546.113+/-238.065 χ^2/NDF:49.2/58

All: 1745.052+/-168.289 χ^2/NDF: 99.0/113

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: 1502.624+/-0.235 χ^2/NDF: 246614.6/34

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

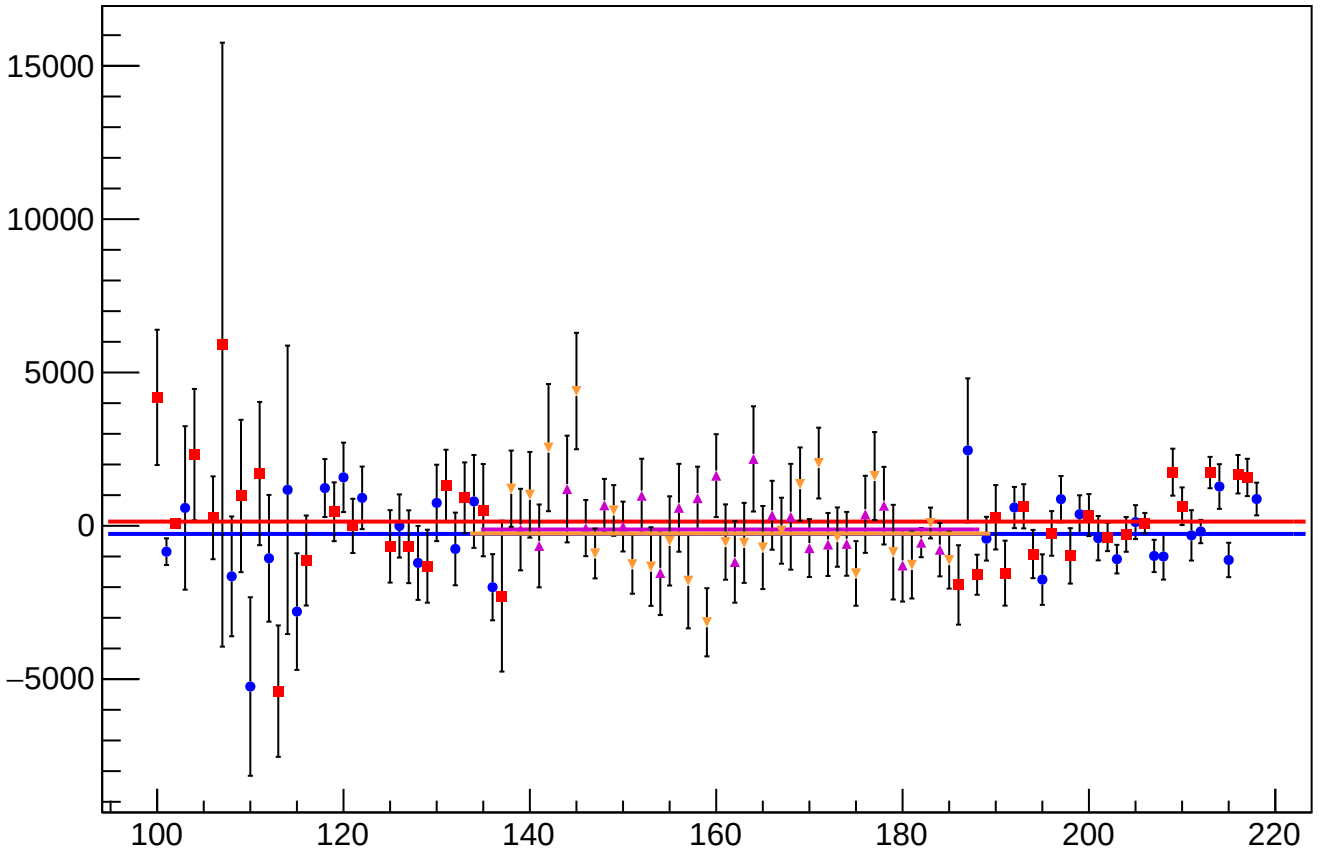
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1491.474+/-0.166 χ^2/NDF: 407482.2/66

In: 1475.966+/-0.168 χ^2/NDF:161832.9/54

Out: 1486.367+/-0.168 χ^2/NDF:259580.4/58

All: 1481.164+/-0.119 χ^2/NDF: 423323.2/113



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: 137.925+/-97.550 χ^2/NDF: 62.8/34

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

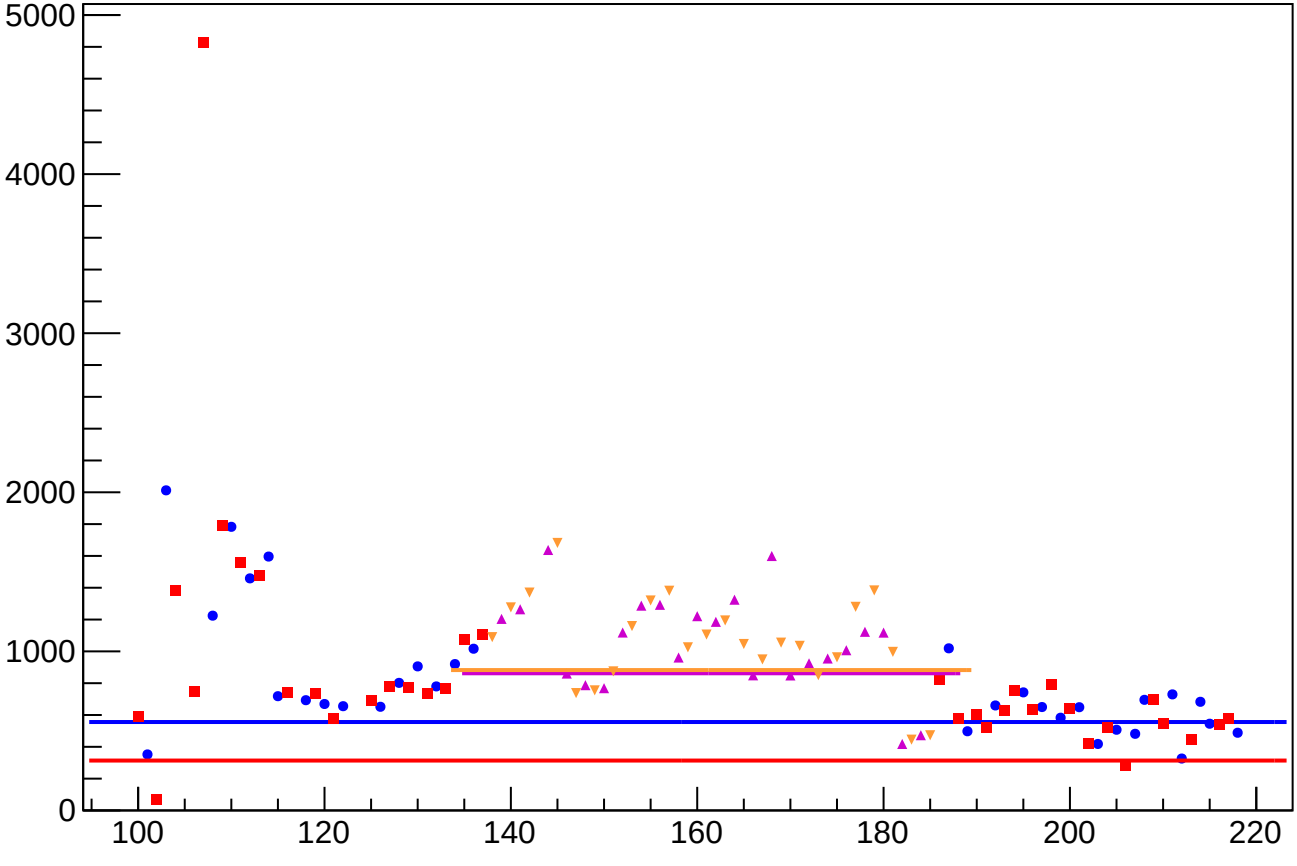
Right: -1.740+/-78.832 χ^2/NDF: 114.5/66

In: -224.444+/-113.763 χ^2/NDF:59.0/54

Out: 73.122+/-89.067 χ^2/NDF:98.1/58

All: -39.960+/-70.130 χ^2/NDF: 161.4/113

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



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: 313.684+/-0.069 χ^2/NDF: 17371207.5/34

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

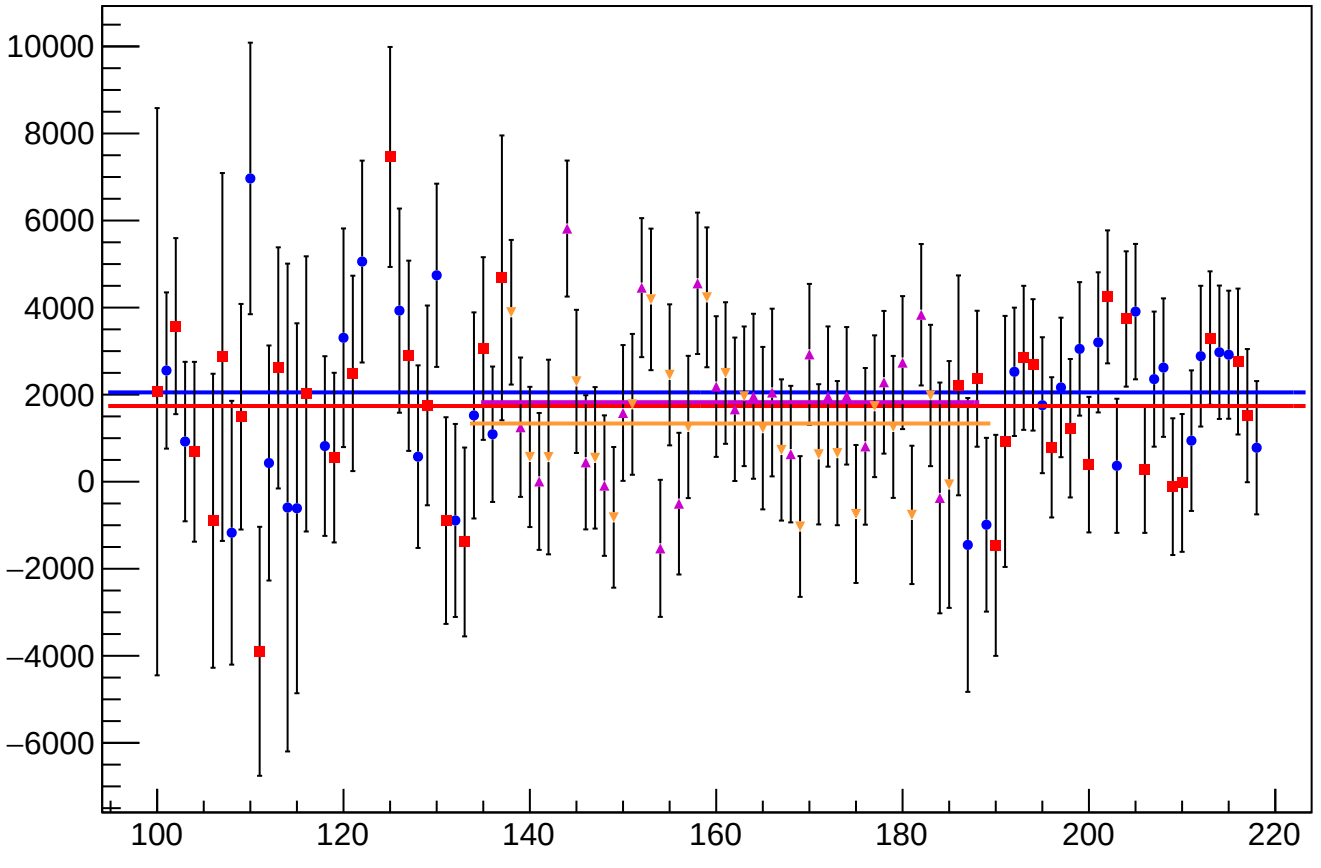
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 397.719+/-0.056 χ^2/NDF: 26180307.7/66

In: 640.908+/-0.080 χ^2/NDF:11809113.7/54

Out: 408.300+/-0.063 χ^2/NDF:32582474.1/58

All: 496.697+/-0.050 χ^2/NDF: 49575474.5/1



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: 1738.872+/-332.532 χ^2/NDF: 29.5/34

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

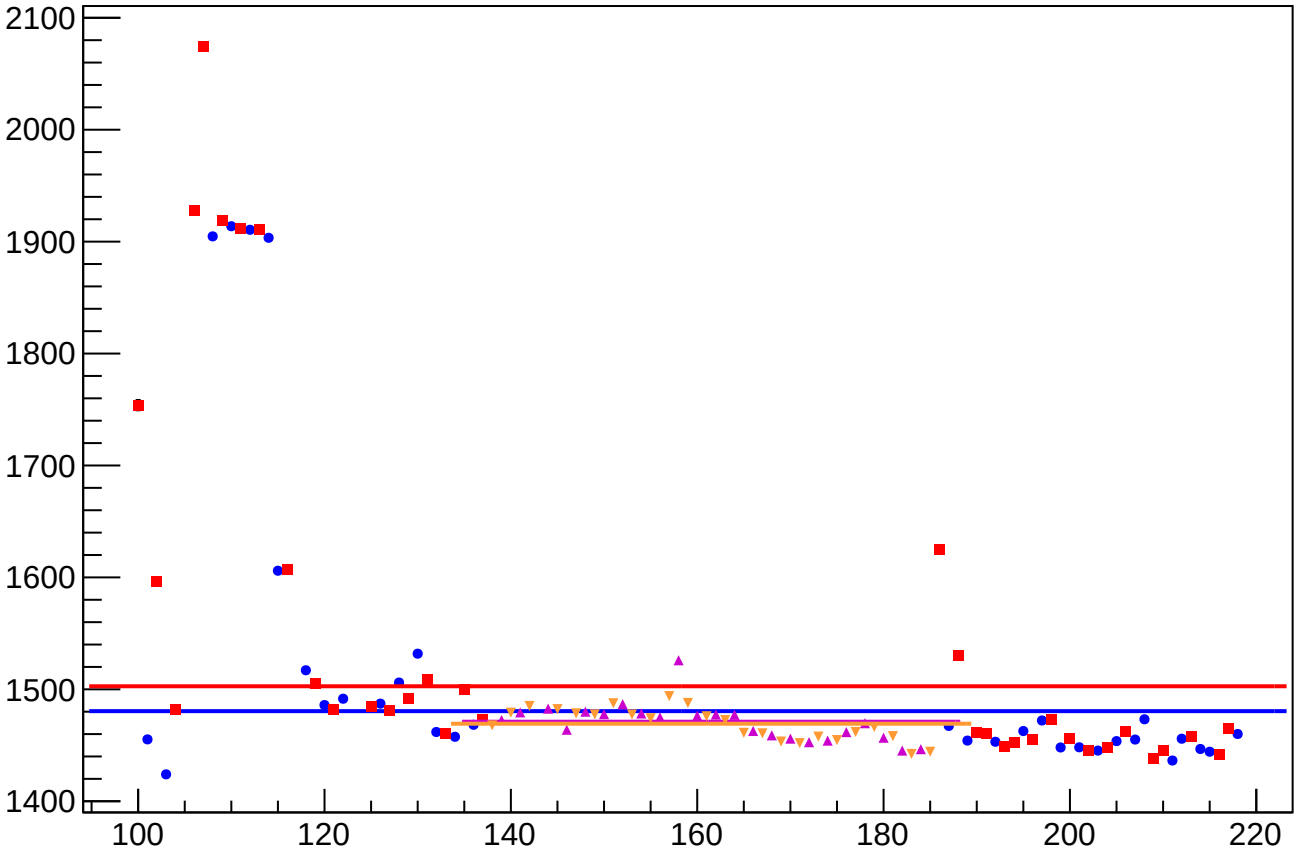
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1896.638+/-234.197 χ^2/NDF: 51.6/66

In: 1943.822+/-237.929 χ^2/NDF:48.4/54

Out: 1543.004+/-238.077 χ^2/NDF:49.4/58

All: 1743.538+/-168.293 χ^2/NDF: 99.2/113



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: 1502.730+/-0.235 χ^2/NDF: 248744.0/34

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

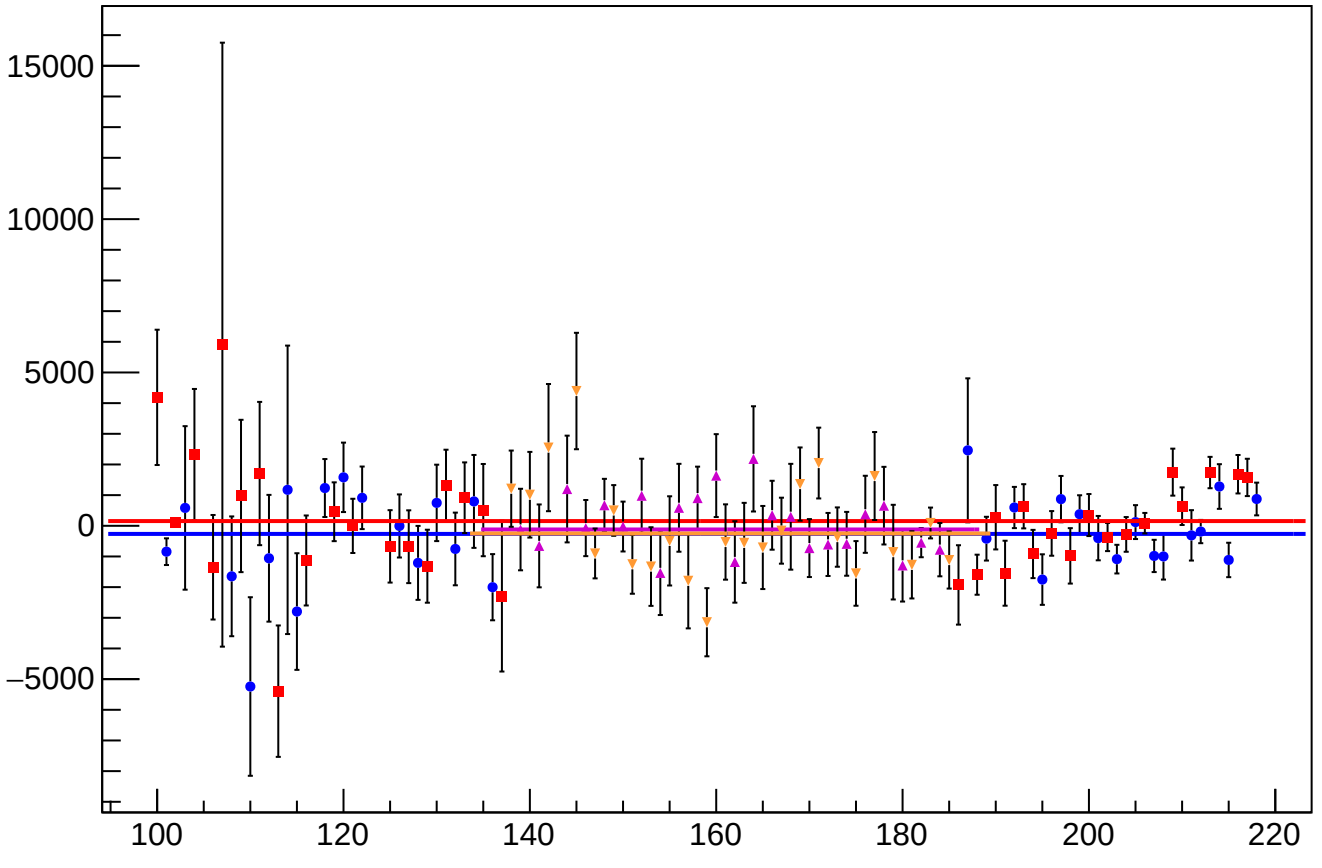
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1491.525+/-0.166 χ^2/NDF: 409654.0/66

In: 1475.966+/-0.168 χ^2/NDF:161832.9/54

Out: 1486.420+/-0.168 χ^2/NDF:261771.2/58

All: 1481.190+/-0.119 χ^2/NDF: 425533.2/113



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: 154.287+/-101.973 χ^2/NDF: 63.3/34

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

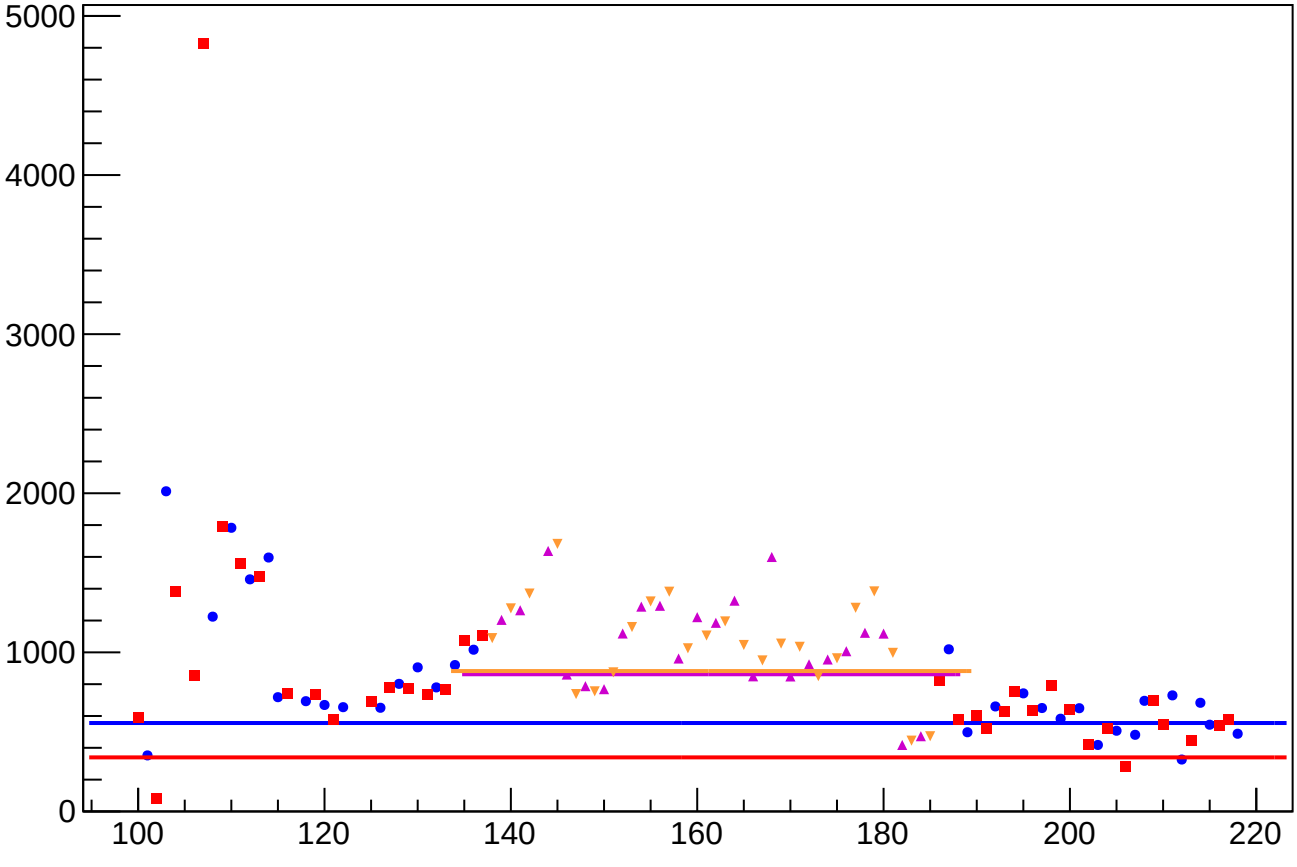
Right: 0.408+/-81.111 χ^2/NDF: 115.3/66

In: -224.468+/-113.761 χ^2/NDF:59.0/54

Out: 81.624+/-92.395 χ^2/NDF:98.8/58

All: -40.036+/-71.720 χ^2/NDF: 162.2/113

asym_usl_atl1_avg_cor_correction_rms vs Slug, Sign Corrected



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: 339.878+/-0.072 χ^2/NDF: 15770850.6/34

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

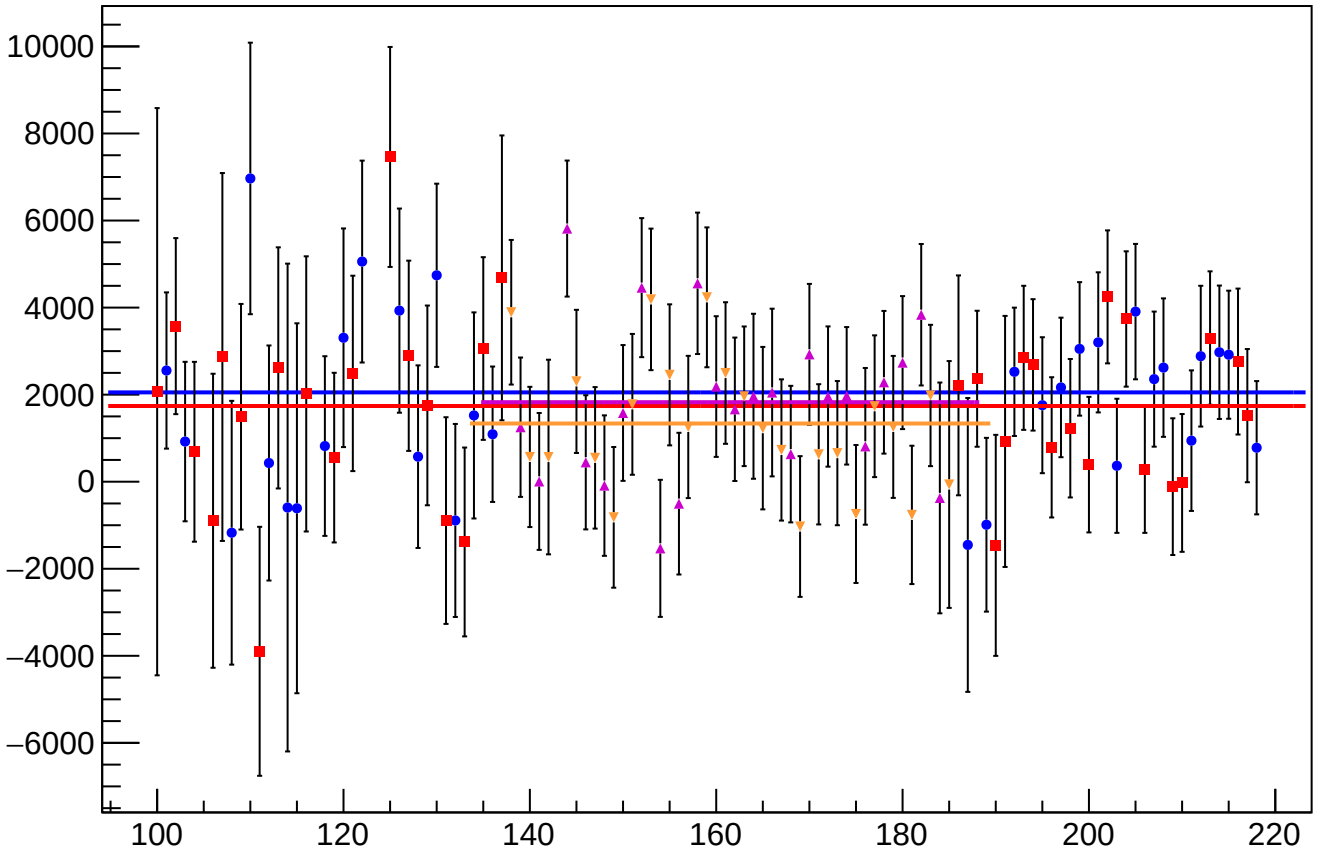
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 419.219+/-0.057 χ^2/NDF: 23598789.0/66

In: 640.895+/-0.080 χ^2/NDF:11810005.7/54

Out: 437.008+/-0.065 χ^2/NDF:29808016.8/58

All: 518.045+/-0.051 χ^2/NDF: 45488882.6/11



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: 1738.872+/-332.532 χ^2/NDF: 29.5/34

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

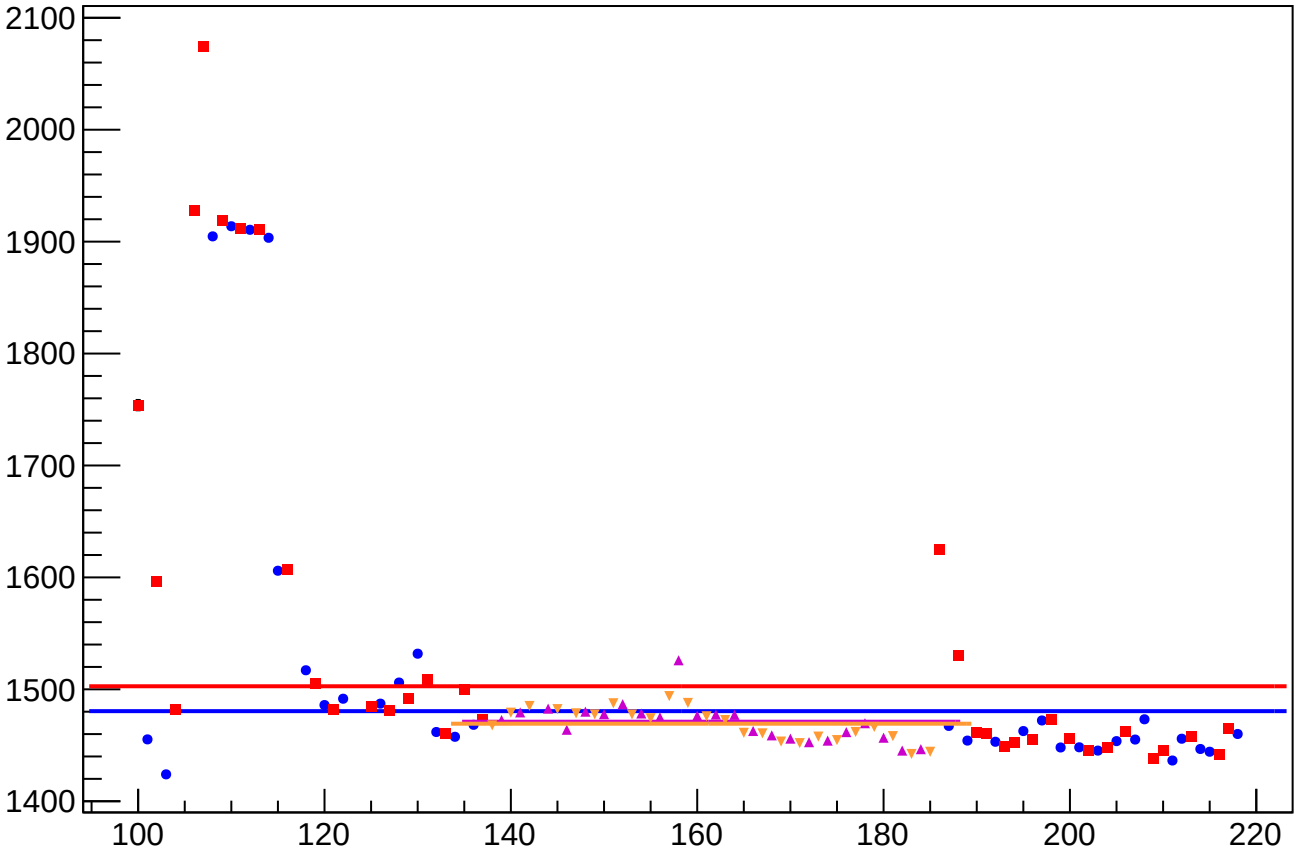
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1896.638+/-234.197 χ^2/NDF: 51.6/66

In: 1943.822+/-237.929 χ^2/NDF:48.4/54

Out: 1543.004+/-238.077 χ^2/NDF:49.4/58

All: 1743.538+/-168.293 χ^2/NDF: 99.2/113



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: 1502.730+/-0.235 χ^2/NDF: 248744.0/34

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

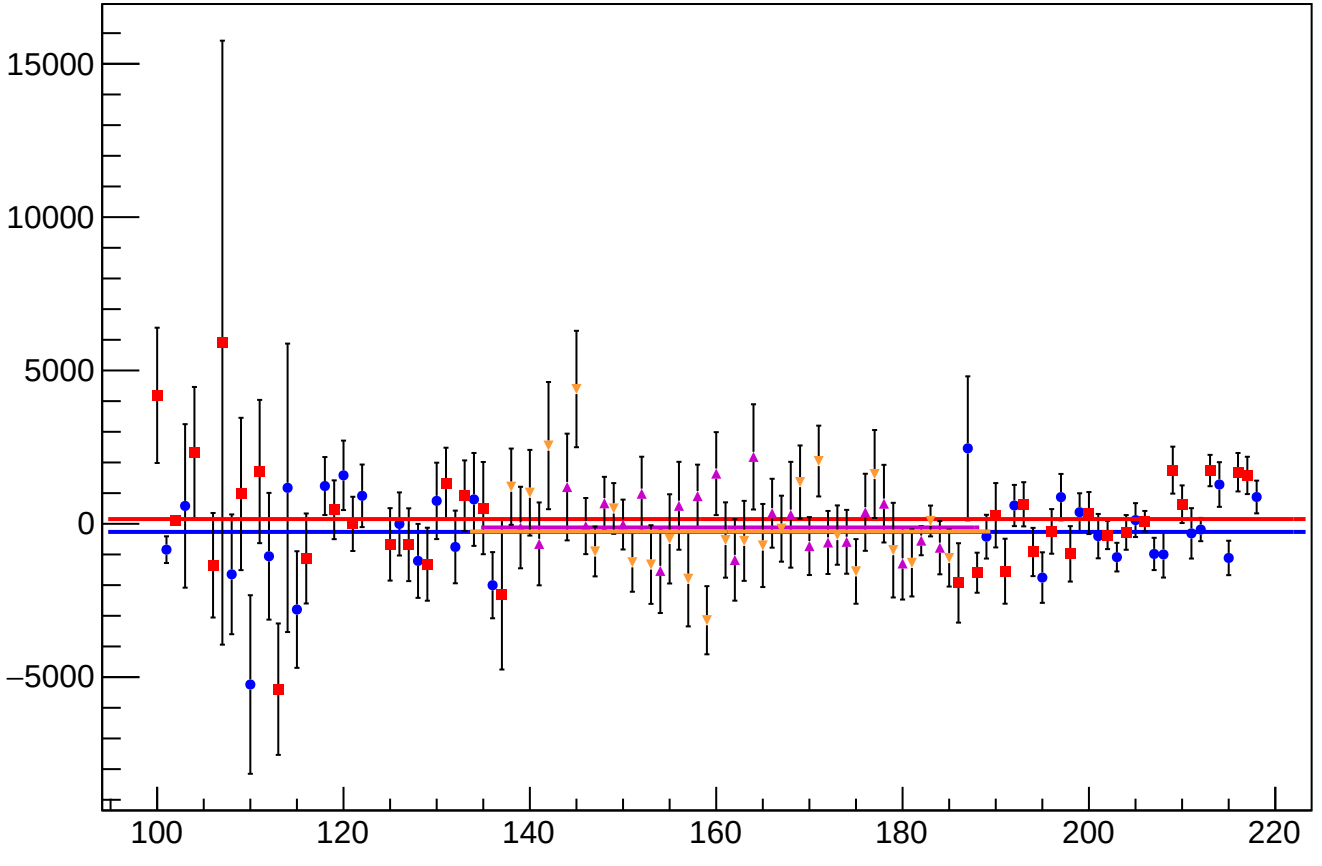
Right: 1491.525+/-0.166 χ^2/NDF: 409654.0/66

In: 1475.966+/-0.168 χ^2/NDF:161832.9/54

Out: 1486.420+/-0.168 χ^2/NDF:261771.2/58

All: 1481.190+/-0.119 χ^2/NDF: 425533.2/113

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 154.287+/-101.973 χ^2/NDF: 63.3/34

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

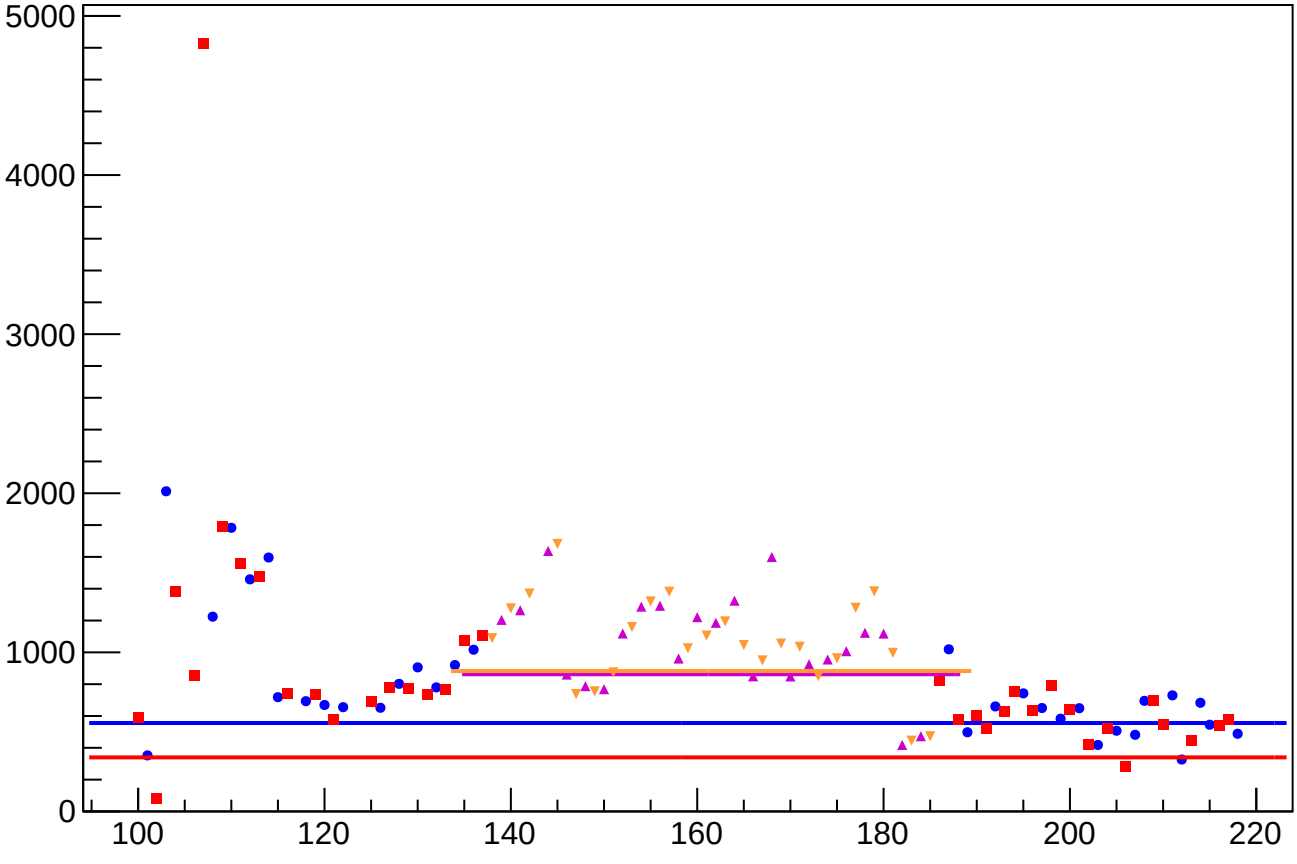
Right: 0.408+/-81.111 χ^2/NDF: 115.3/66

In: -224.468+/-113.761 χ^2/NDF:59.0/54

Out: 81.624+/-92.395 χ^2/NDF:98.8/58

All: -40.036+/-71.720 χ^2/NDF: 162.2/113

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 339.878+/-0.072 χ^2/NDF: 15770850.6/34

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

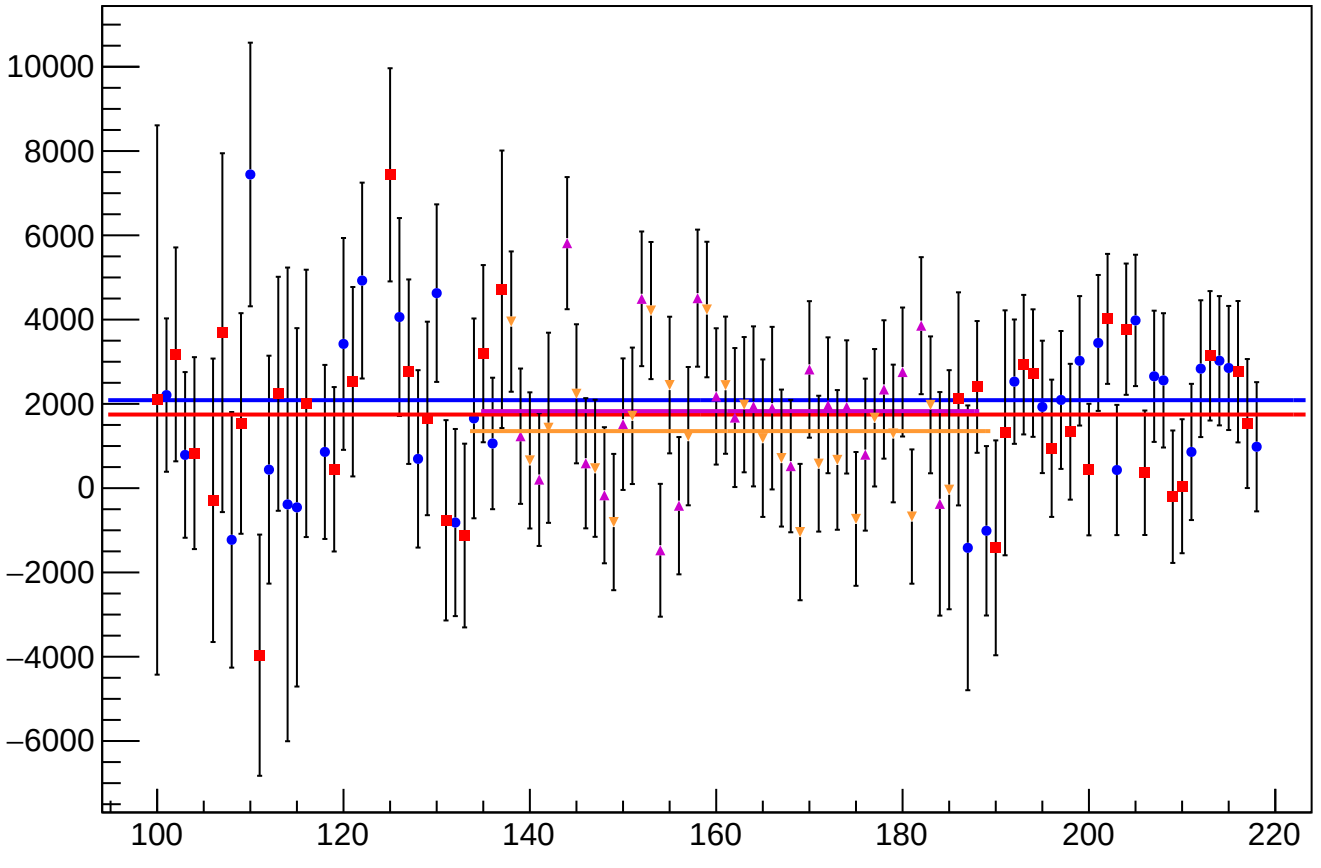
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 419.219+/-0.057 χ^2/NDF: 23598789.0/66

In: 640.895+/-0.080 χ^2/NDF:11810005.7/54

Out: 437.008+/-0.065 χ^2/NDF:29808016.8/58

All: 518.045+/-0.051 χ^2/NDF: 45488882.6/11



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: 1747.221+/-336.290 χ^2/NDF: 27.4/34

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

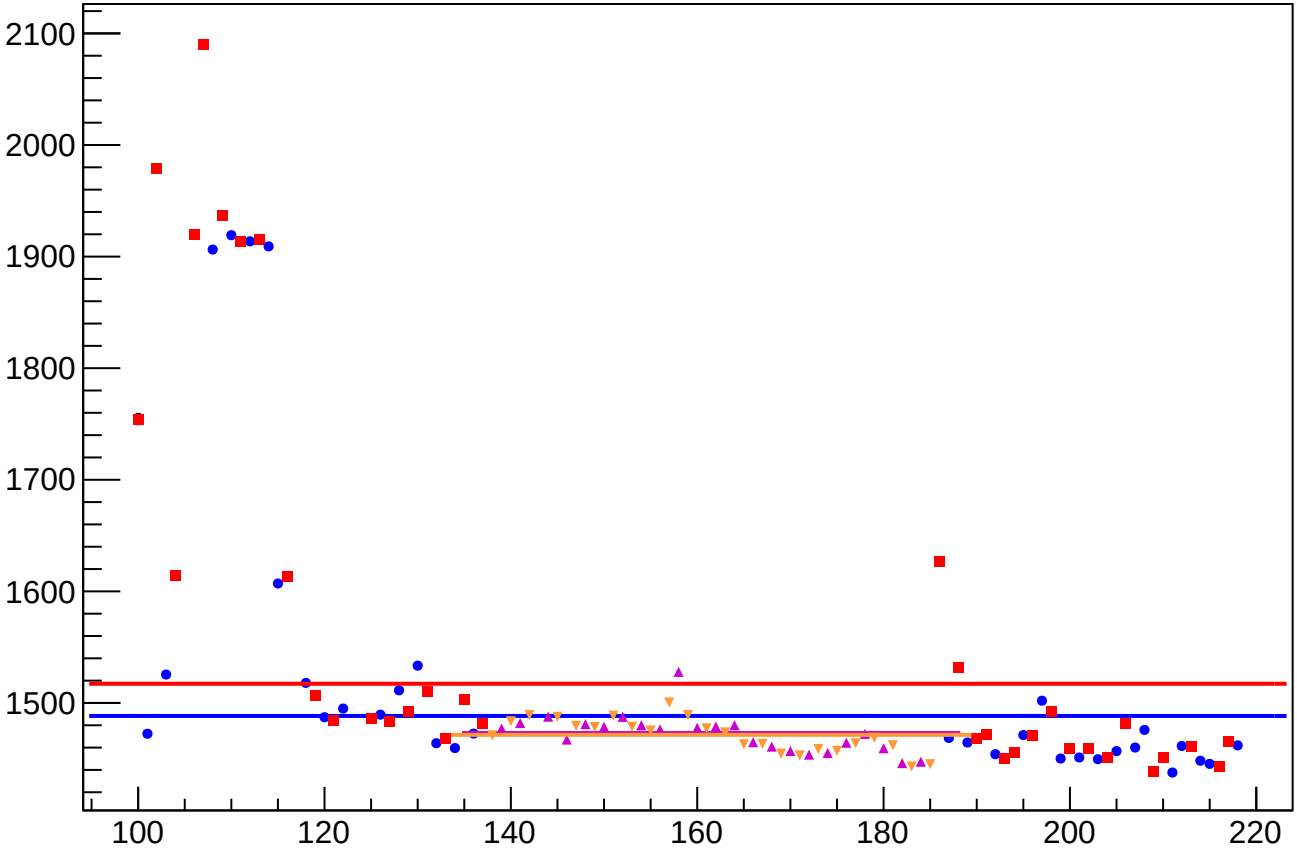
Right: 1919.922+/-236.151 χ^2/NDF: 49.7/66

In: 1962.802+/-238.759 χ^2/NDF:47.9/54

Out: 1553.519+/-239.638 χ^2/NDF:47.0/58

All: 1758.912+/-169.138 χ^2/NDF: 96.4/113

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: 1517.212+/-0.238 χ^2/NDF: 314555.5/34

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

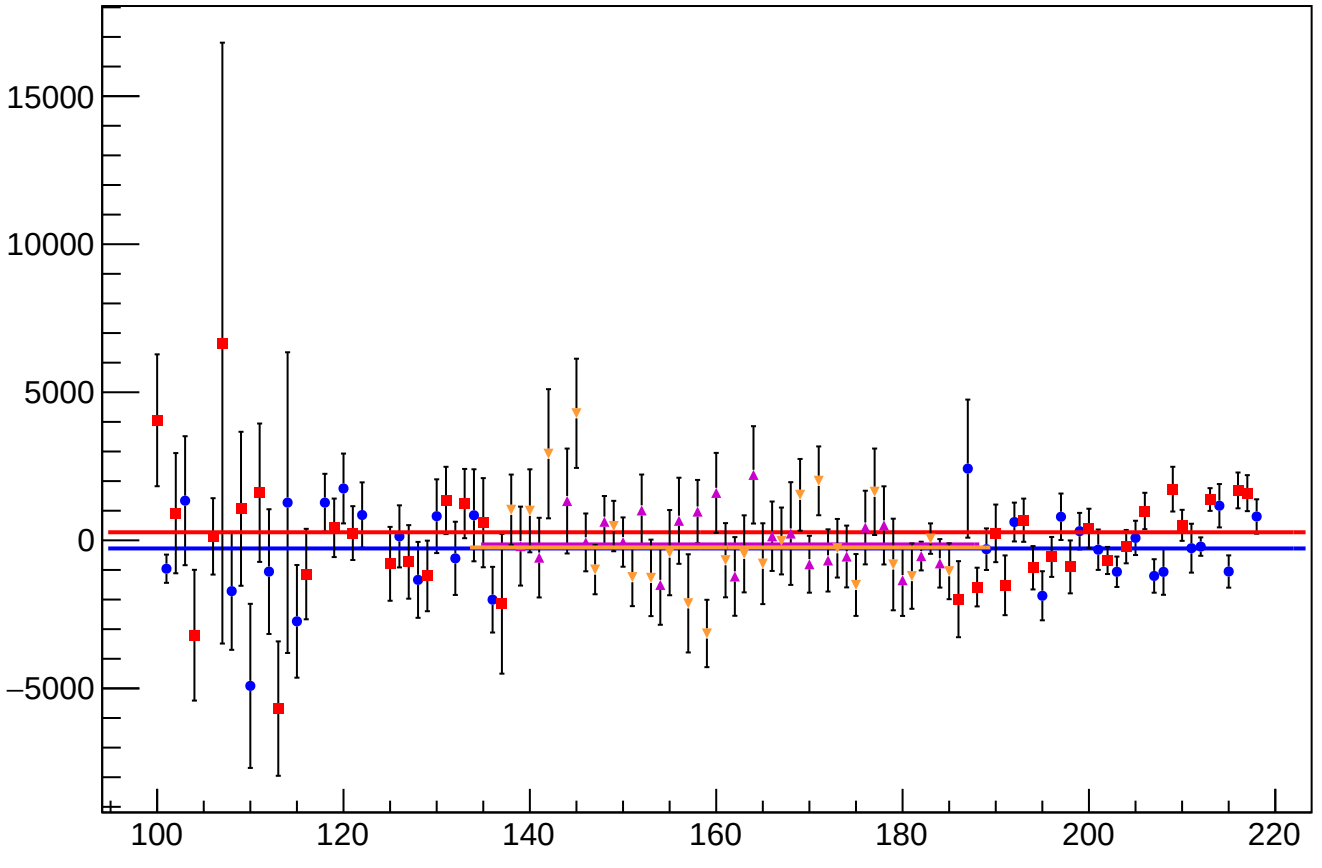
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1502.592+/-0.167 χ^2/NDF: 476509.5/66

In: 1480.986+/-0.169 χ^2/NDF:161302.7/54

Out: 1494.681+/-0.169 χ^2/NDF:336232.4/58

All: 1487.809+/-0.120 χ^2/NDF: 500813.0/113



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: 272.457+/-139.693 χ^2/NDF: 69.0/34

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

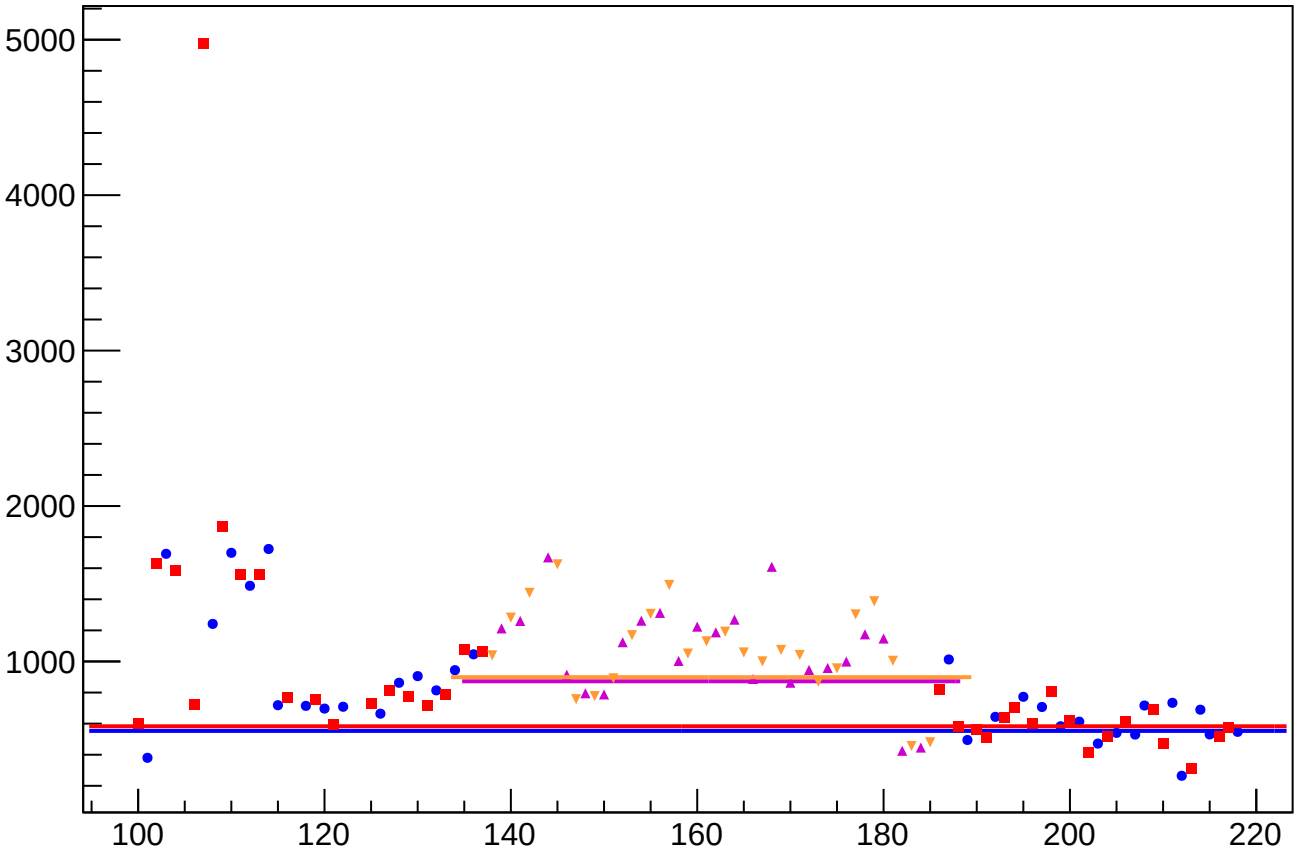
Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

Right: -13.393+/-96.494 χ^2/NDF: 121.6/66

In: -237.345+/-113.883 χ^2/NDF:57.8/54

Out: 126.826+/-118.201 χ^2/NDF:105.3/58

All: -62.032+/-82.012 χ^2/NDF: 168.0/113



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: 583.039+/-0.099 χ^2/NDF: 4874306.9/34

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

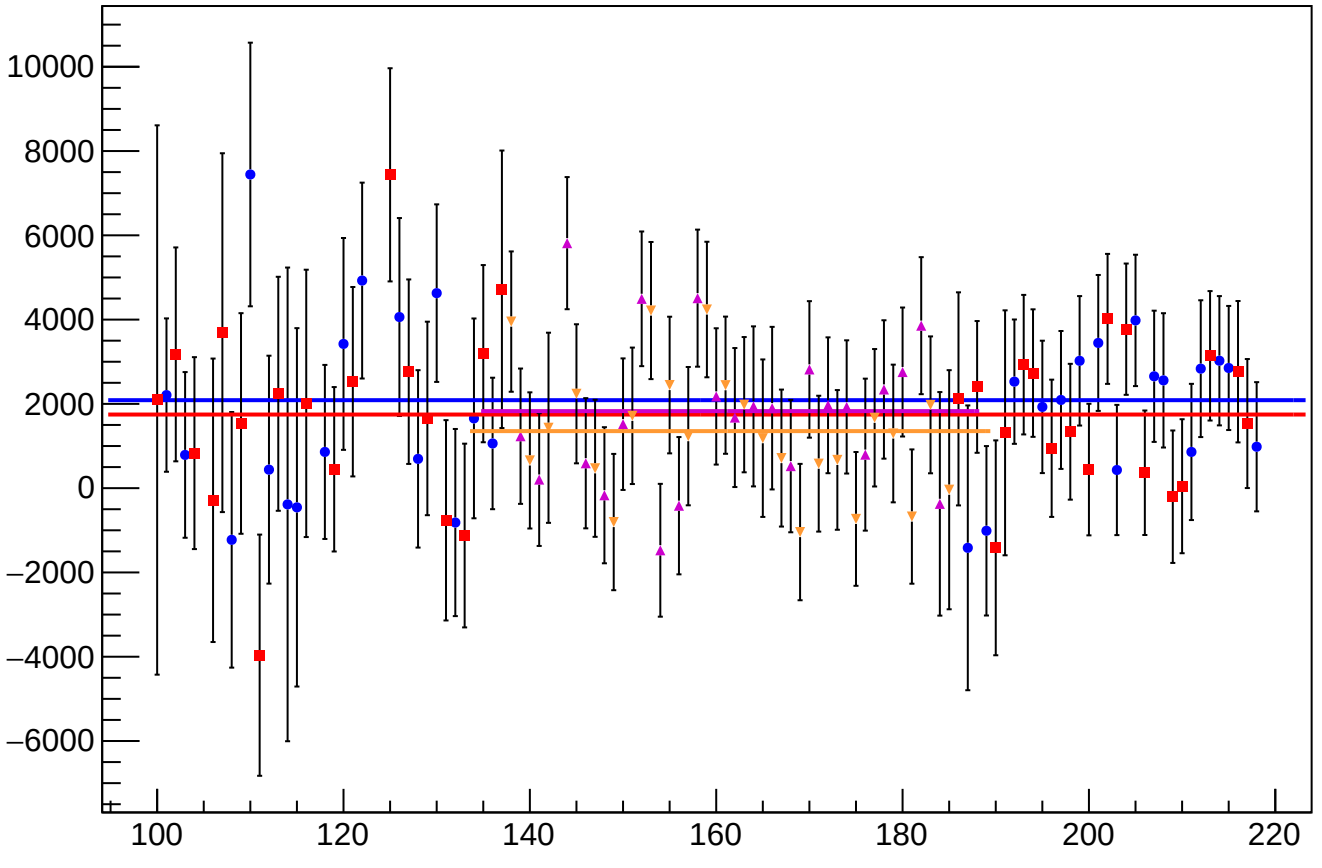
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 567.463+/-0.068 χ^2/NDF: 10267230.4/66

In: 639.986+/-0.081 χ^2/NDF:12890498.7/54

Out: 672.739+/-0.084 χ^2/NDF:11569199.0/58

All: 655.753+/-0.058 χ^2/NDF: 24539338.3/11



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: 1747.220+/-336.290 χ^2/NDF: 27.4/34

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

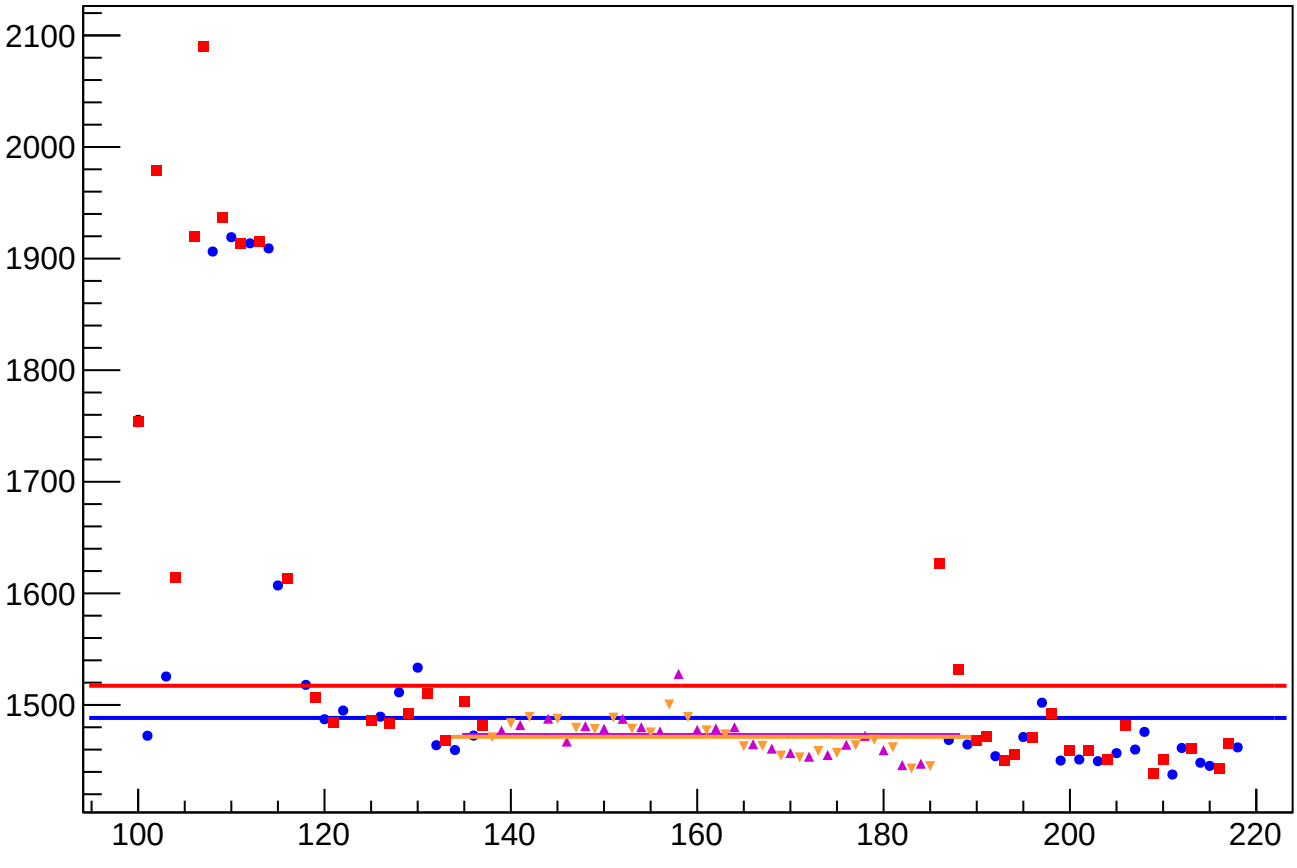
Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

Right: 1919.921+/-236.151 χ^2/NDF: 49.7/66

In: 1962.802+/-238.759 χ^2/NDF:47.9/54

Out: 1553.518+/-239.638 χ^2/NDF:47.0/58

All: 1758.911+/-169.138 χ^2/NDF: 96.4/113



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: 1517.212+/-0.238 χ^2/NDF: 314555.0/34

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

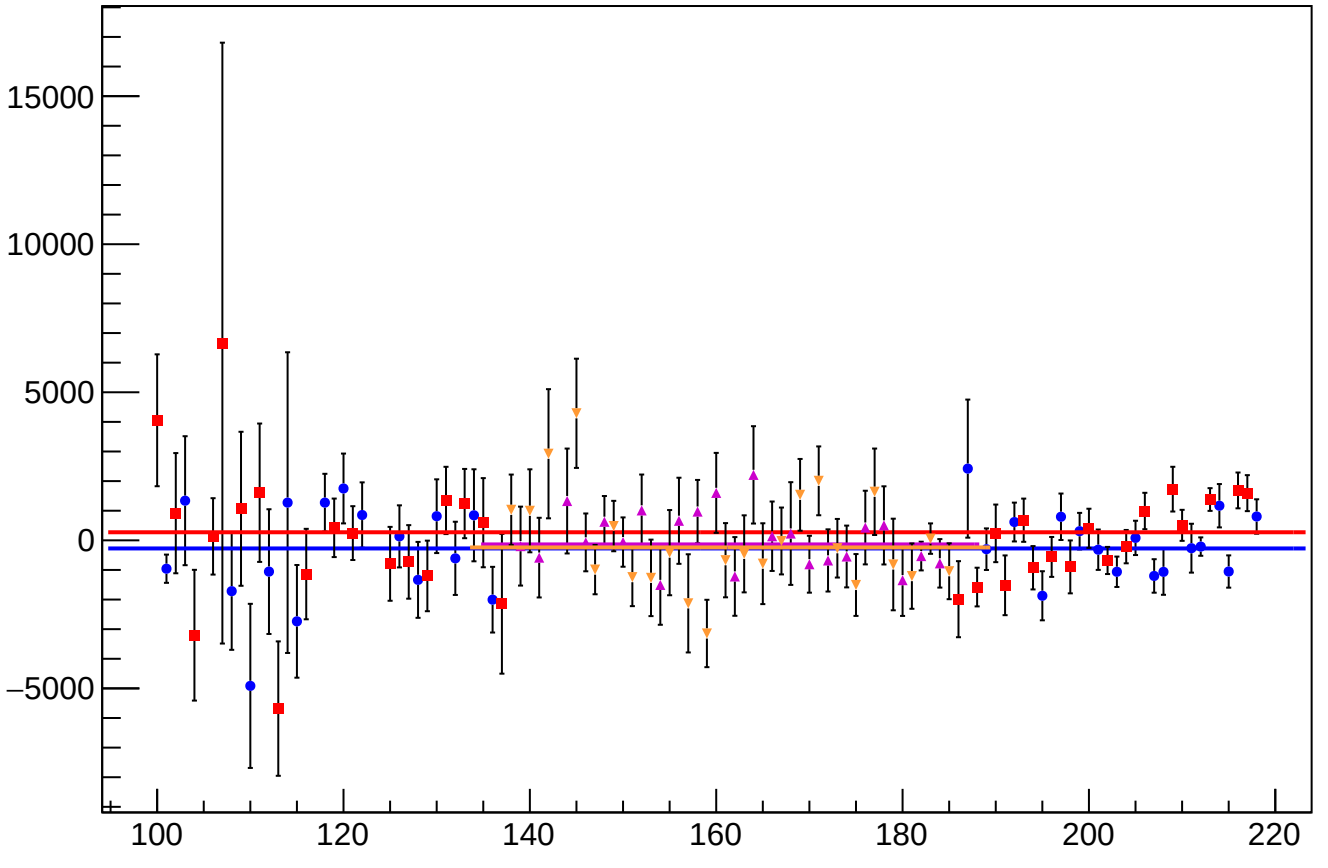
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1502.592+/-0.167 χ^2/NDF: 476508.8/66

In: 1480.986+/-0.169 χ^2/NDF:161302.5/54

Out: 1494.681+/-0.169 χ^2/NDF:336231.8/58

All: 1487.808+/-0.120 χ^2/NDF: 500812.3/113



Right In: -274.251+/-133.447 χ^2/NDF: 44.6/31

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: 272.457+/-139.693 χ^2/NDF: 69.0/34

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

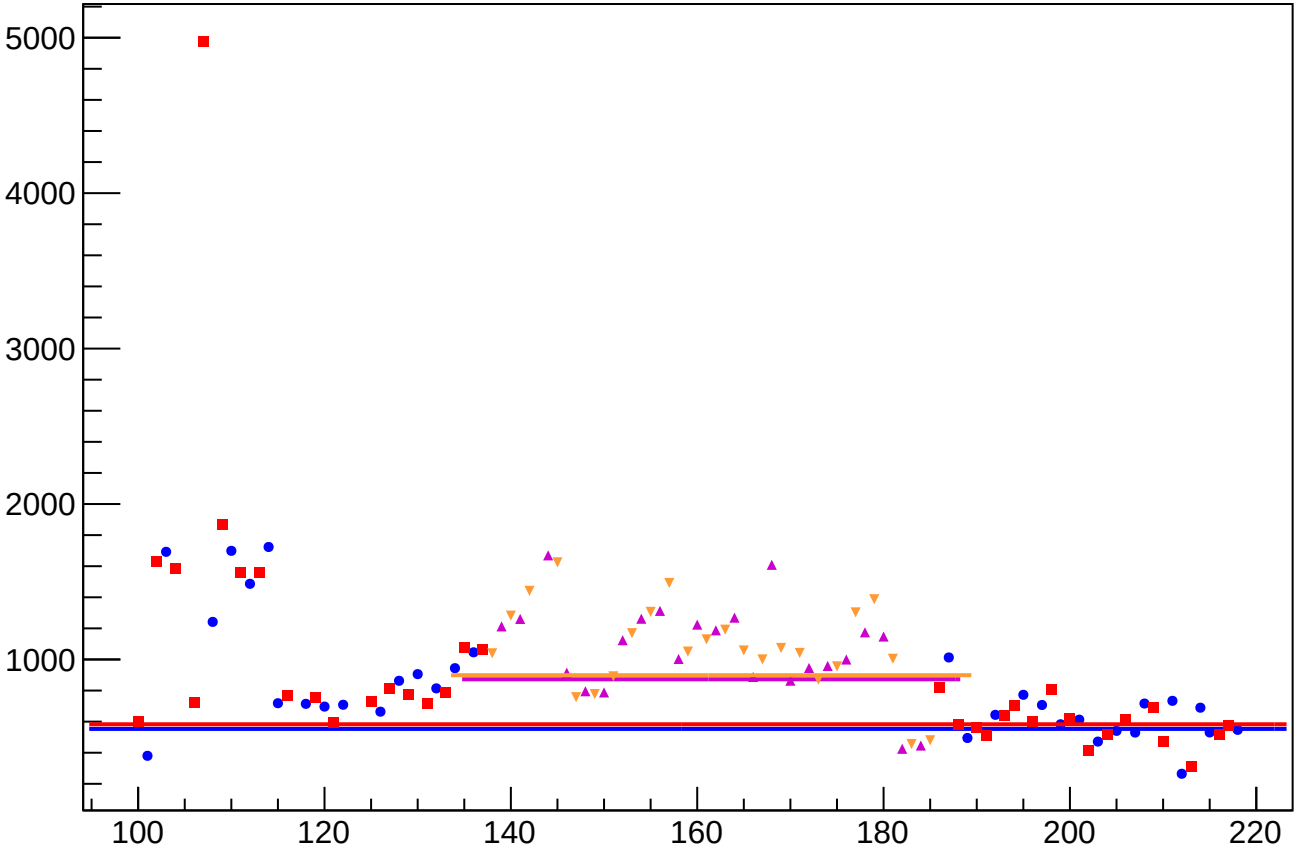
Right: -13.393+/-96.494 χ^2/NDF: 121.6/66

In: -237.345+/-113.883 χ^2/NDF:57.8/54

Out: 126.826+/-118.201 χ^2/NDF:105.3/58

All: -62.032+/-82.012 χ^2/NDF: 168.0/113

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: 583.039+/-0.099 χ^2/NDF: 4874303.9/34

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

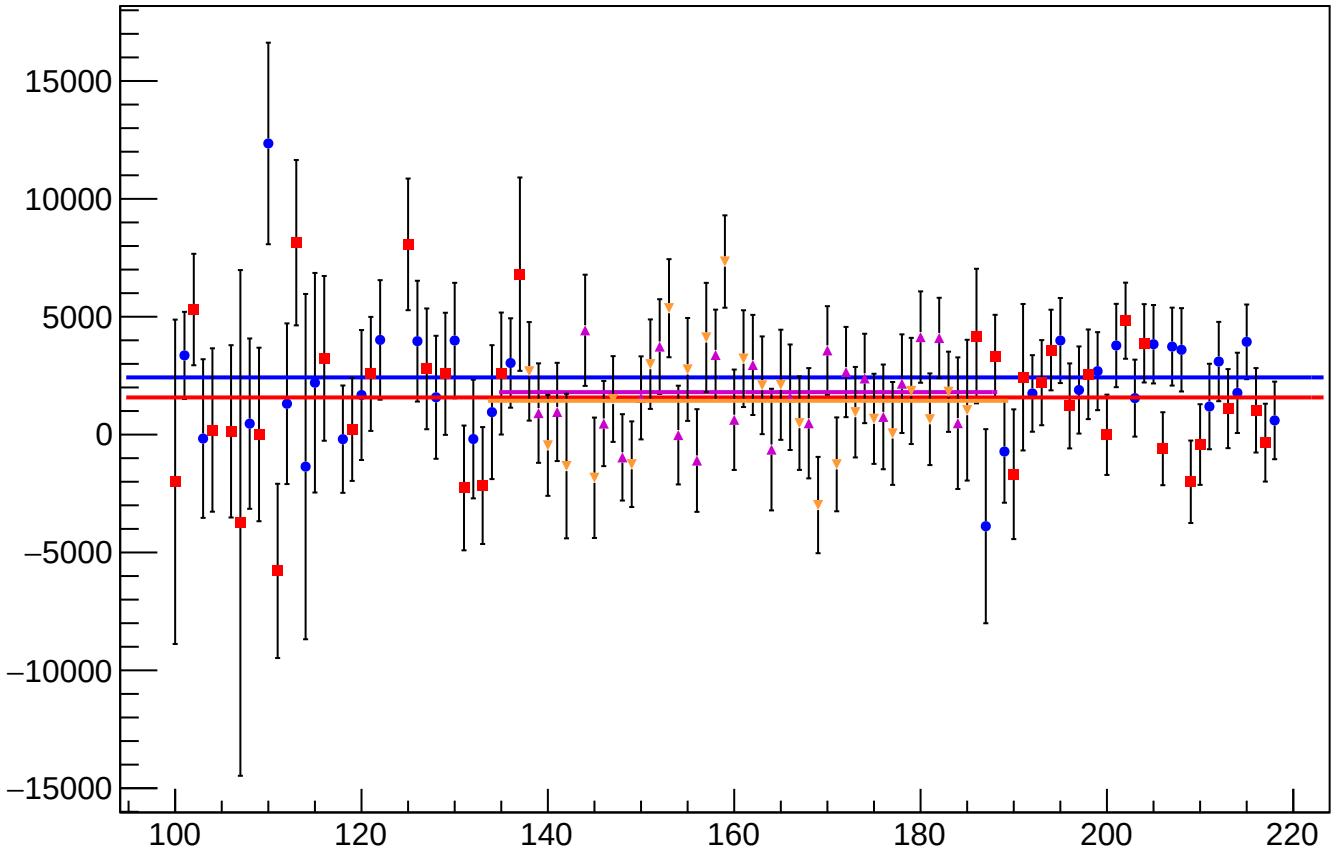
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 567.464+/-0.068 χ^2/NDF: 10267223.9/66

In: 639.986+/-0.081 χ^2/NDF:12890510.5/54

Out: 672.740+/-0.084 χ^2/NDF:11569208.9/58

All: 655.754+/-0.058 χ^2/NDF: 24539360.6/1



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: 1576.302+/-374.700 χ^2/NDF: 44.6/34

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

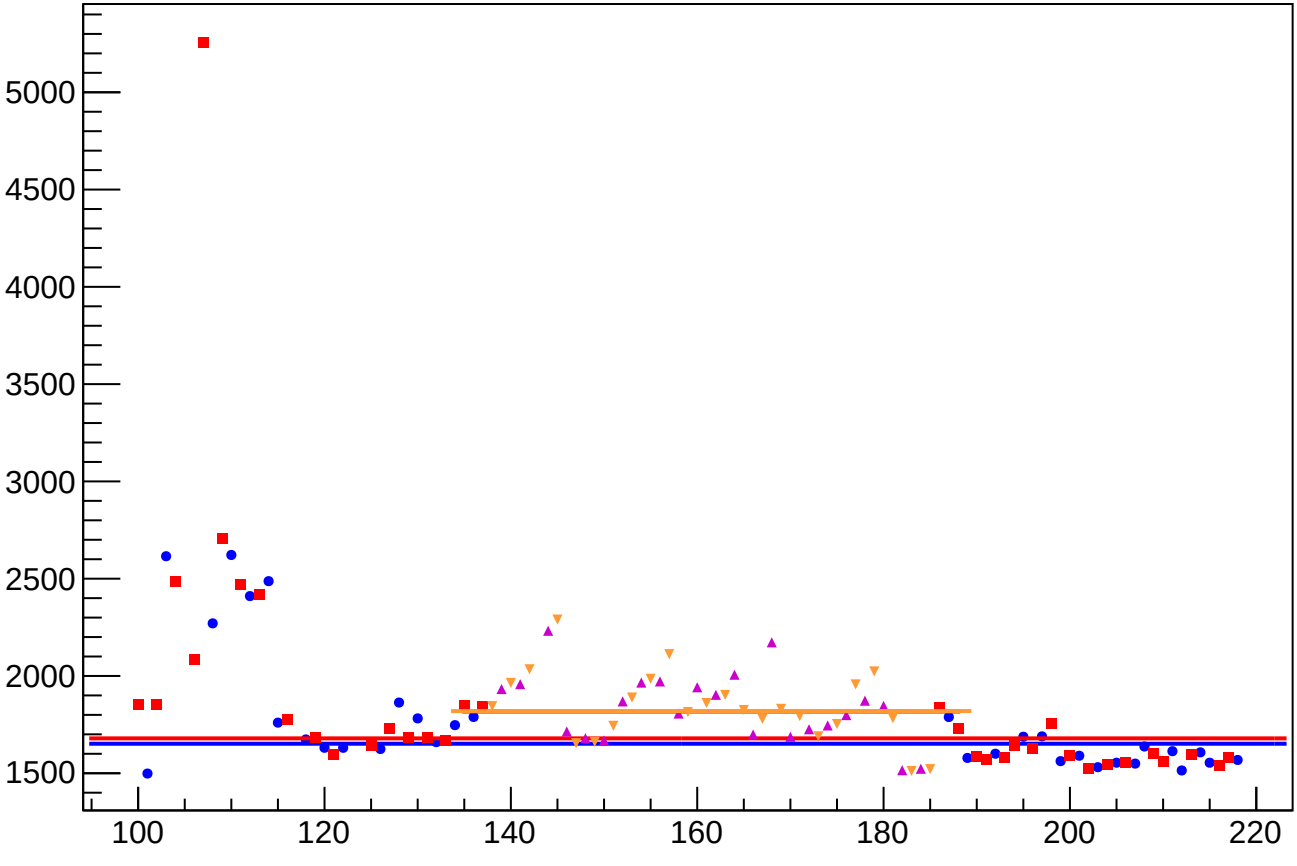
Right: 2006.470+/-263.337 χ^2/NDF: 69.3/66

In: 2157.862+/-279.554 χ^2/NDF:38.6/54

Out: 1513.678+/-280.908 χ^2/NDF:74.1/58

All: 1837.326+/-198.151 χ^2/NDF: 115.3/113

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: 1679.234+/-0.265 χ^2/NDF: 831770.2/34

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

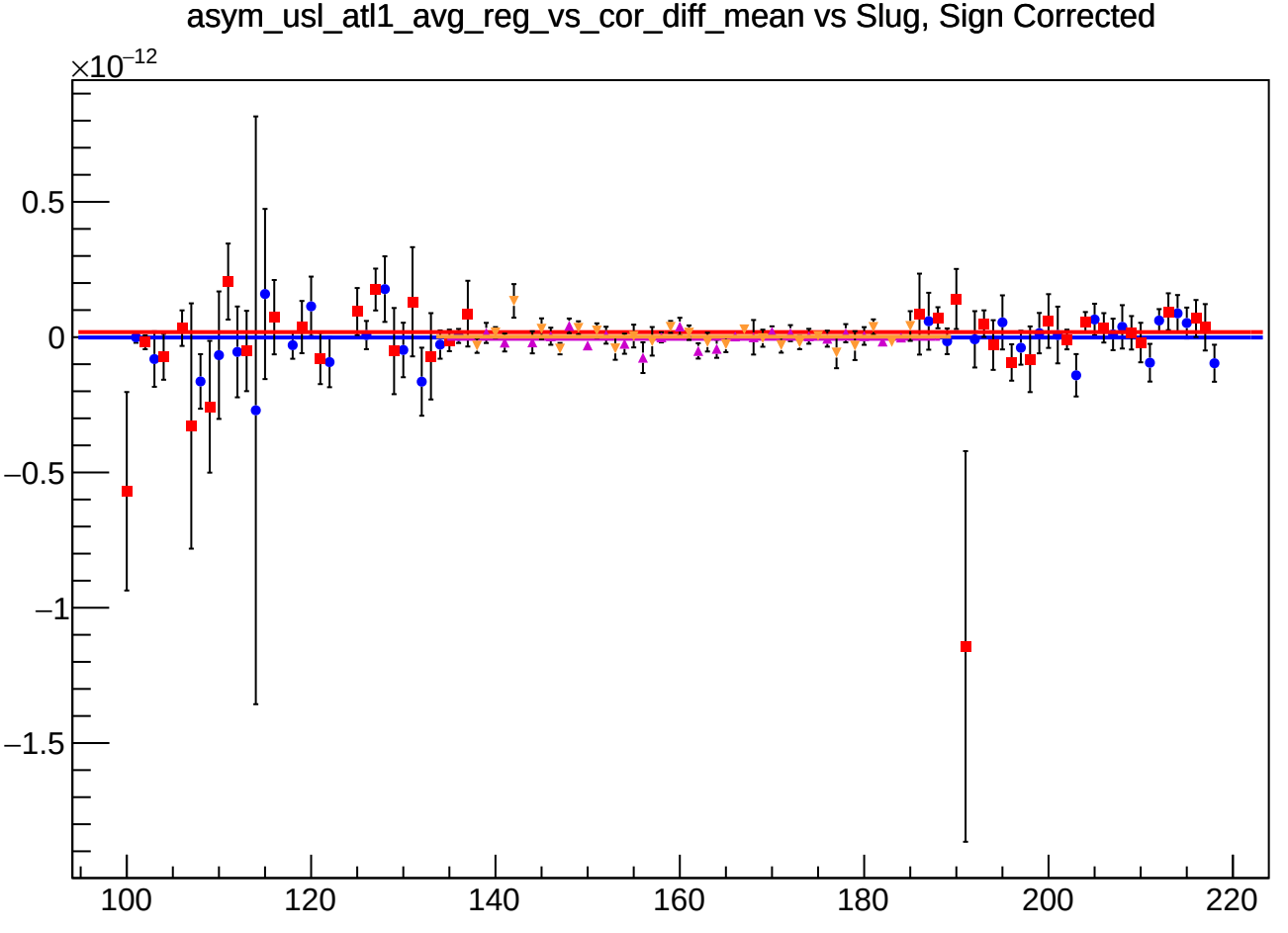
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1665.307+/-0.186 χ^2/NDF: 1405619.7/66

In: 1722.793+/-0.198 χ^2/NDF:1047112.1/54

Out: 1740.630+/-0.199 χ^2/NDF:1249388.1/58

All: 1731.669+/-0.140 χ^2/NDF: 2300551.5/11



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: 31.6/34

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

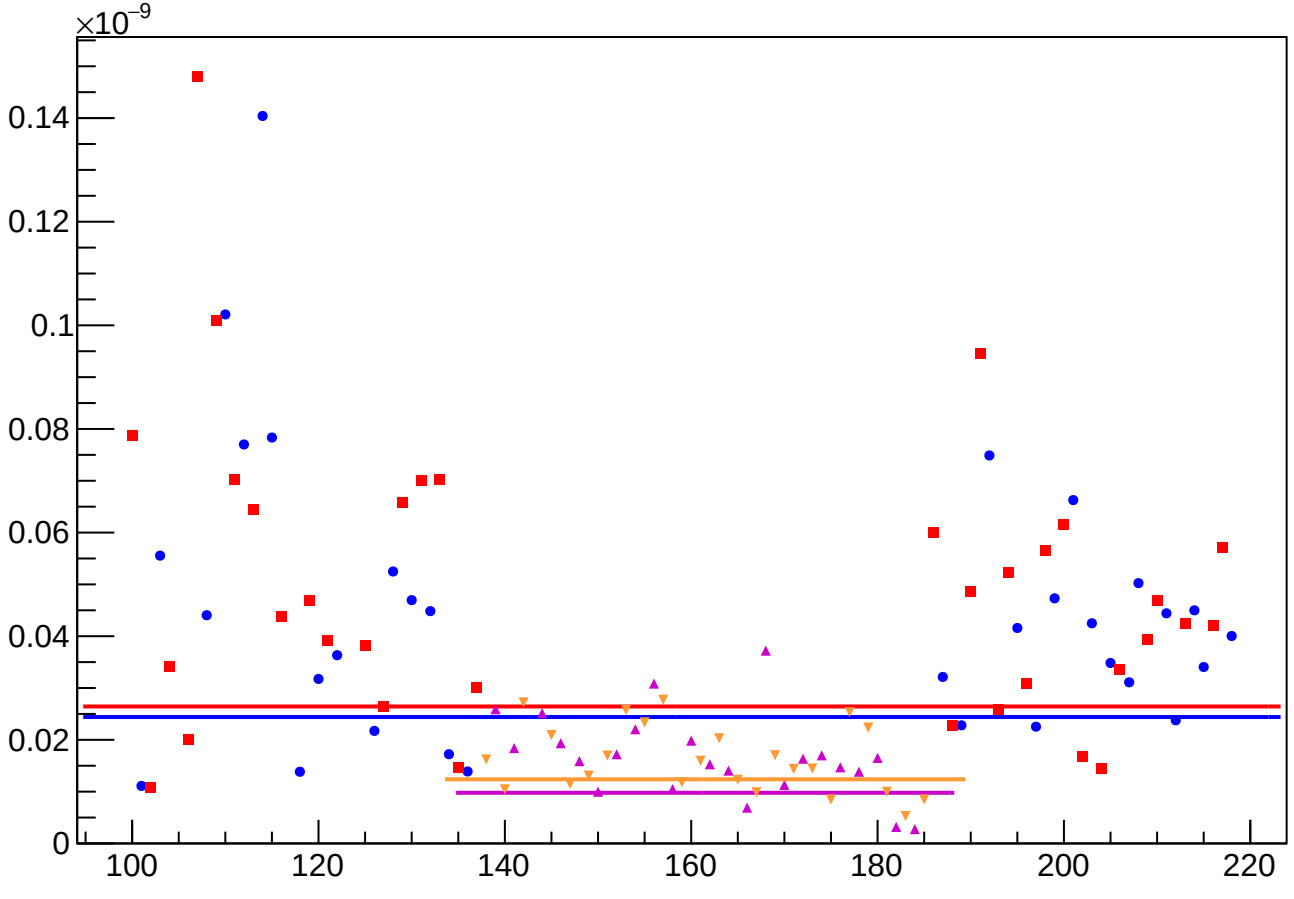
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 58.3/66

In: -0.000+/-0.000 χ^2/NDF:43.1/54

Out: 0.000+/-0.000 χ^2/NDF:62.8/58

All: -0.000+/-0.000 χ^2/NDF: 108.4/113



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: 4090186.3/34

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

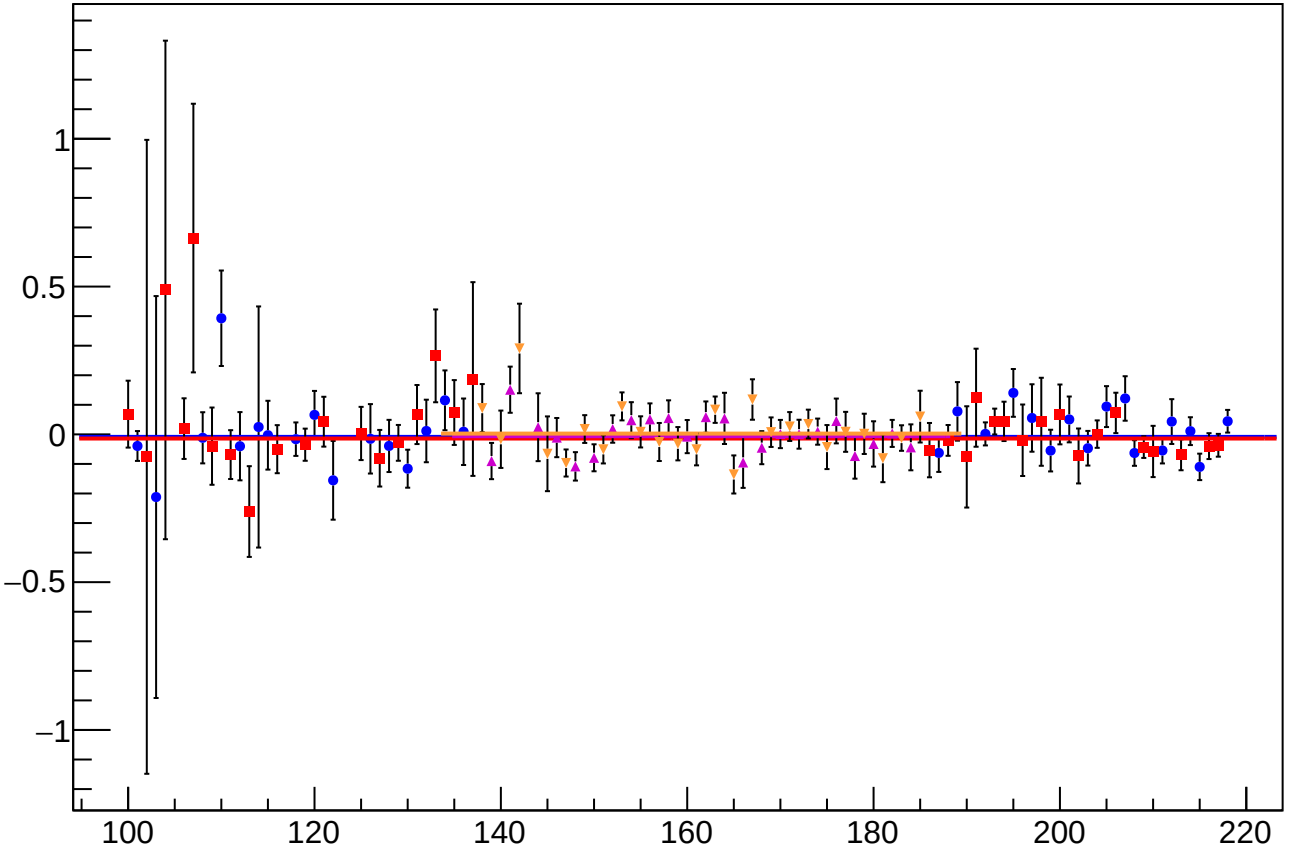
Right: 0.000+/-0.000 χ^2/NDF: 8496933.7/66

In: 0.000+/-0.000 χ^2/NDF:12234530.7/54

Out: 0.000+/-0.000 χ^2/NDF:8558999.5/58

All: 0.000+/-0.000 χ^2/NDF: 21147997.4/113

asym_usl_atl1_avg_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: -0.014+/-0.012 χ^2/NDF: 21.6/34

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

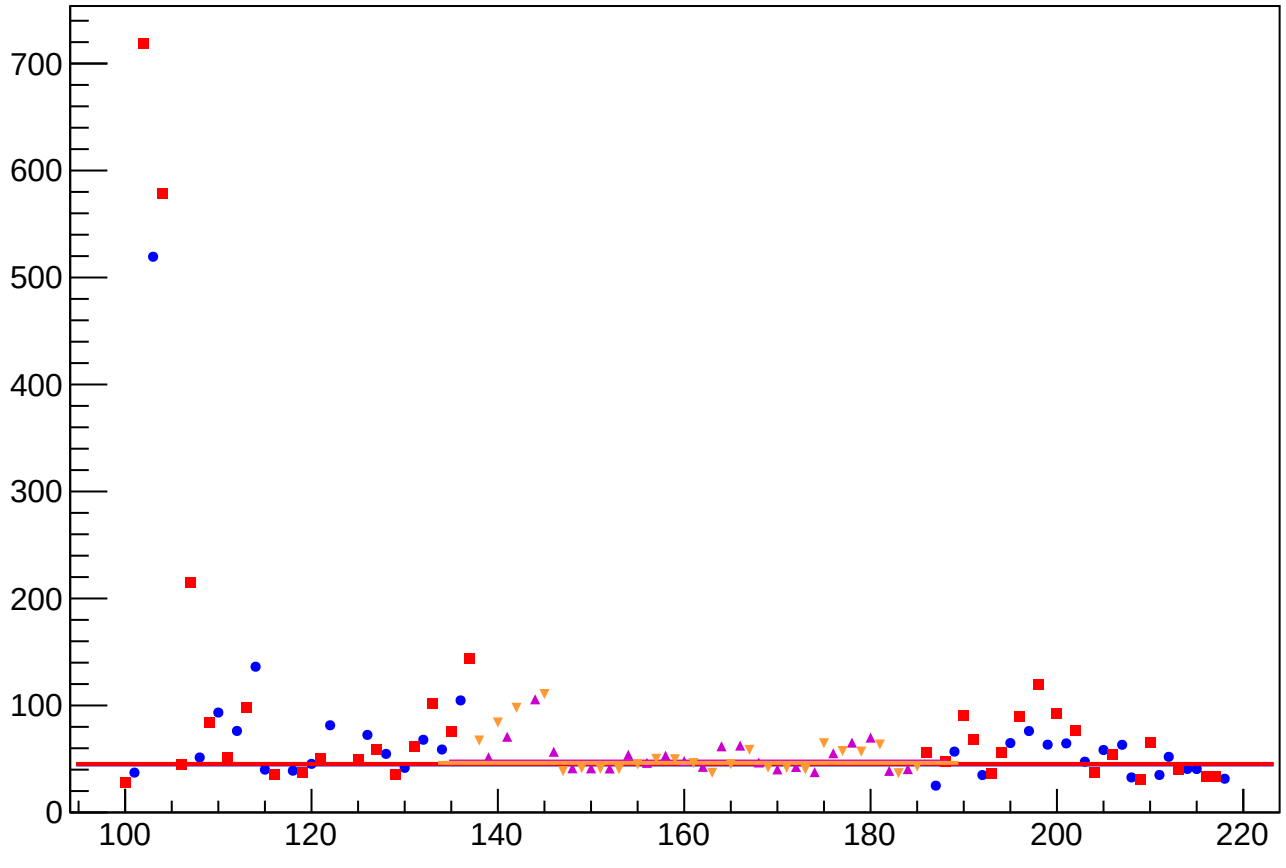
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.011+/-0.009 χ^2/NDF: 57.2/66

In: -0.007+/-0.008 χ^2/NDF:57.1/54

Out: -0.005+/-0.009 χ^2/NDF:52.5/58

All: -0.006+/-0.006 χ^2/NDF: 109.6/113



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: 45.370+/-0.009 χ^2/NDF: 5797766.4/34

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

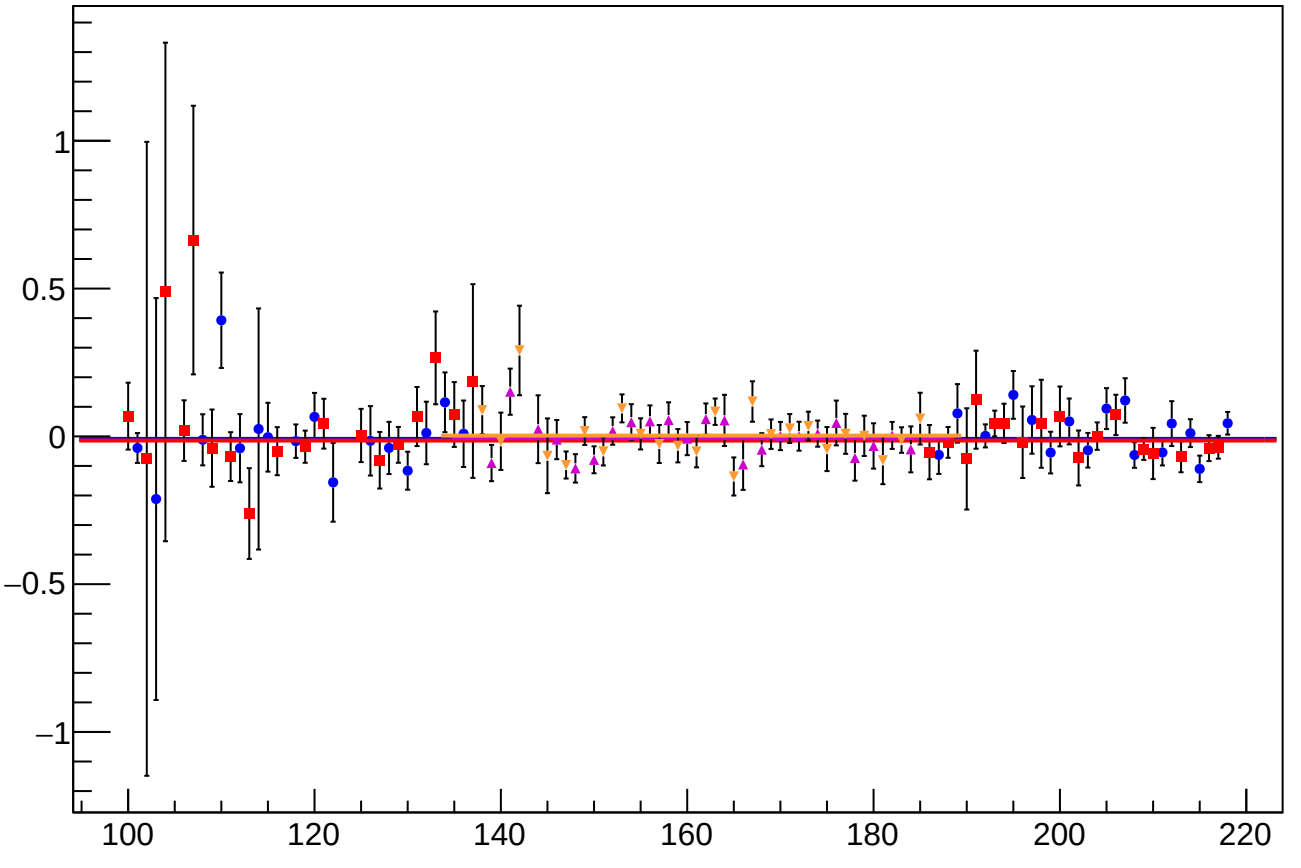
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 45.112+/-0.006 χ^2/NDF: 9912458.1/66

In: 46.196+/-0.006 χ^2/NDF:5739852.7/54

Out: 45.880+/-0.006 χ^2/NDF:7772092.9/58

All: 46.039+/-0.004 χ^2/NDF: 13513310.9/113



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: -0.014+/-0.012 χ^2/NDF: 21.6/34

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

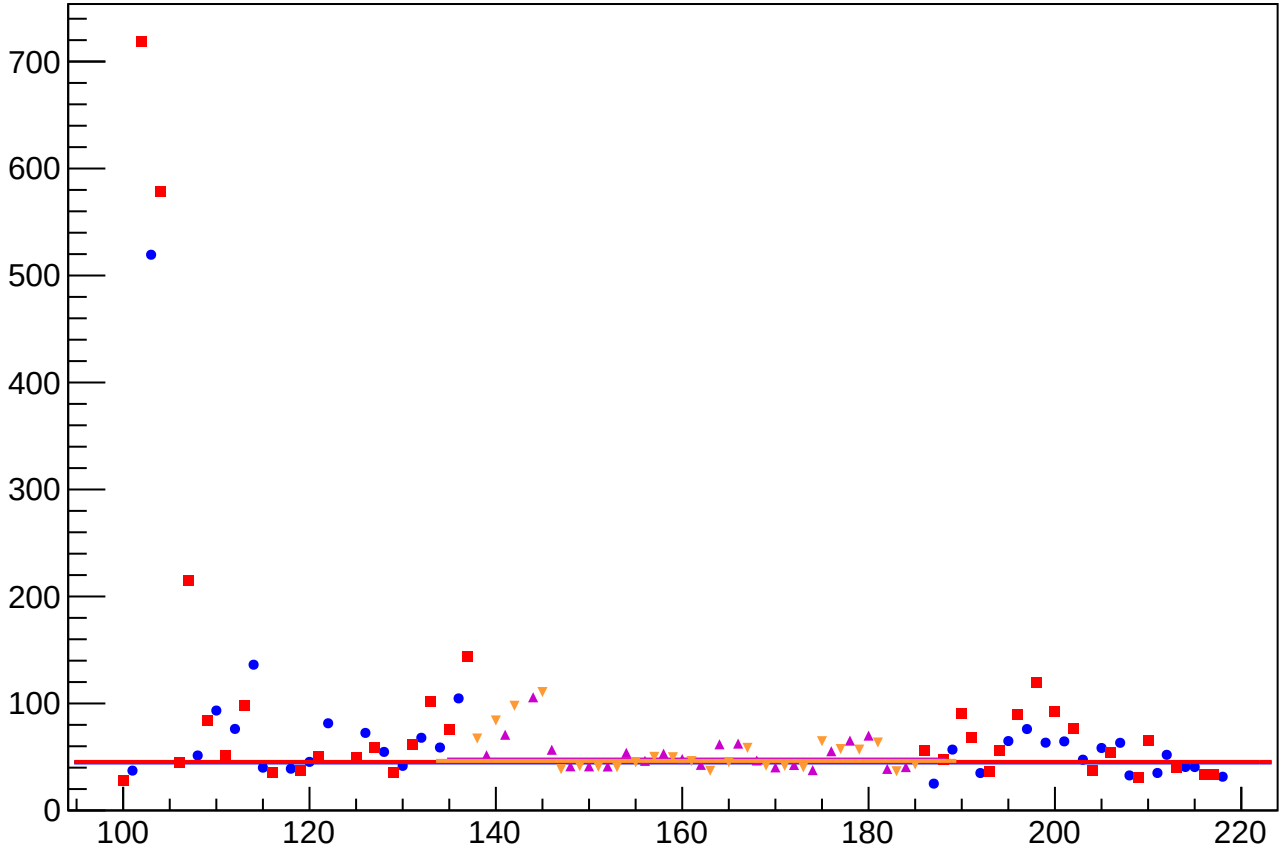
Right: -0.011+/-0.009 χ^2/NDF: 57.2/66

In: -0.007+/-0.008 χ^2/NDF:57.1/54

Out: -0.005+/-0.009 χ^2/NDF:52.5/58

All: -0.006+/-0.006 χ^2/NDF: 109.6/113

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: 45.370+/-0.009 χ^2/NDF: 5797766.4/34

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

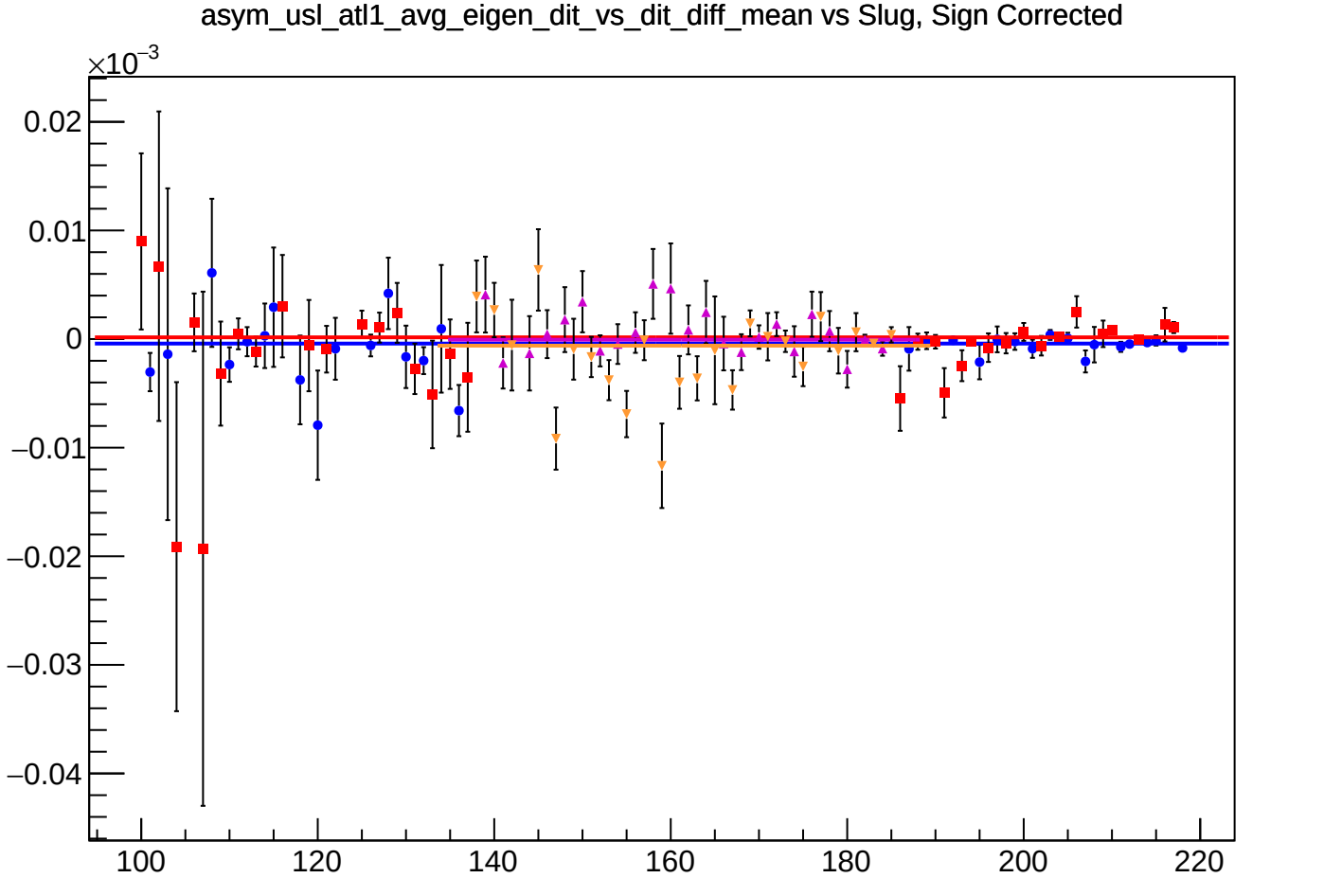
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 45.112+/-0.006 χ^2/NDF: 9912458.1/66

In: 46.196+/-0.006 χ^2/NDF:5739852.7/54

Out: 45.880+/-0.006 χ^2/NDF:7772092.9/58

All: 46.039+/-0.004 χ^2/NDF: 13513310.9/113



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/31

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 39.8/34

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

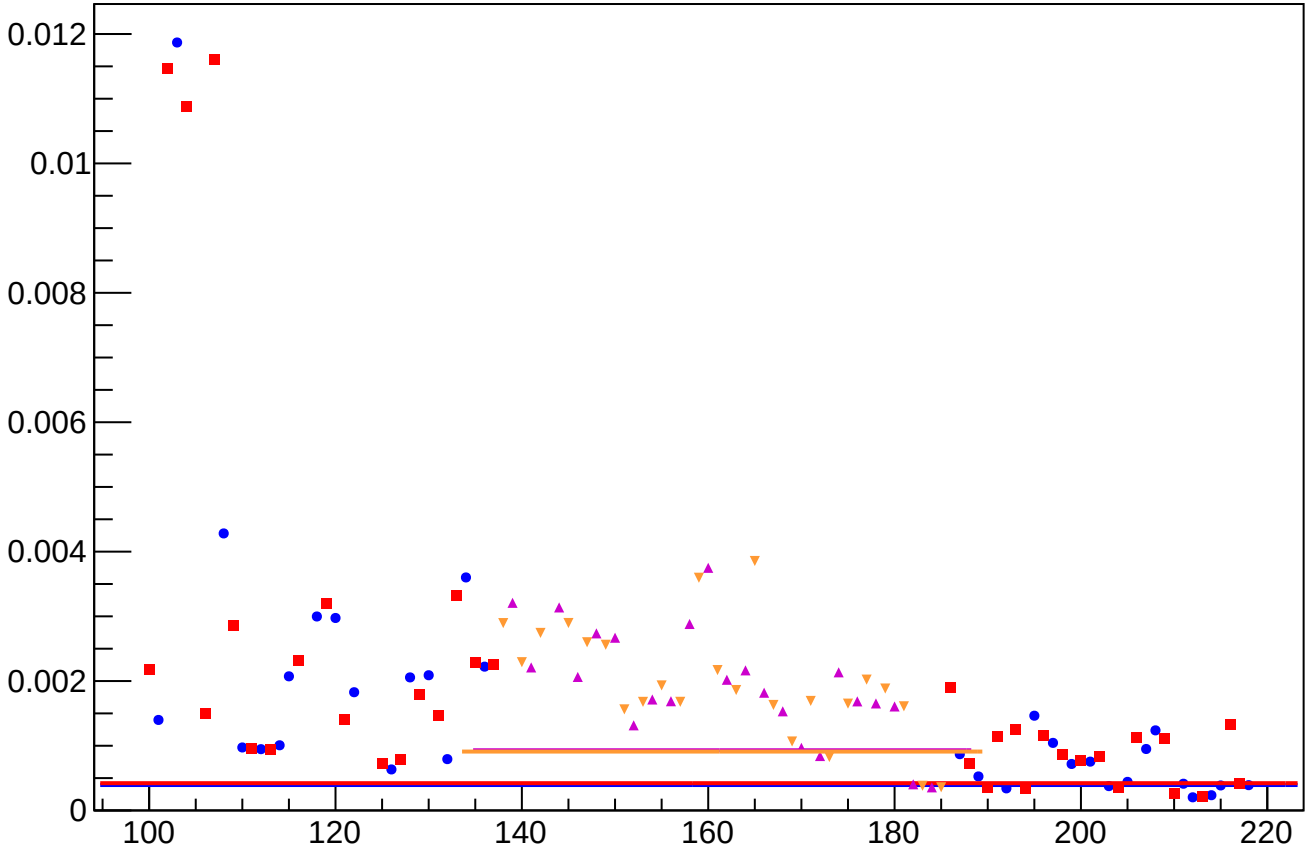
Right: -0.000+/-0.000 χ^2/NDF: 80.4/66

In: -0.000+/-0.000 χ^2/NDF:48.7/54

Out: 0.000+/-0.000 χ^2/NDF:100.1/58

All: -0.000+/-0.000 χ^2/NDF: 154.8/113

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: 16239849.6/34

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

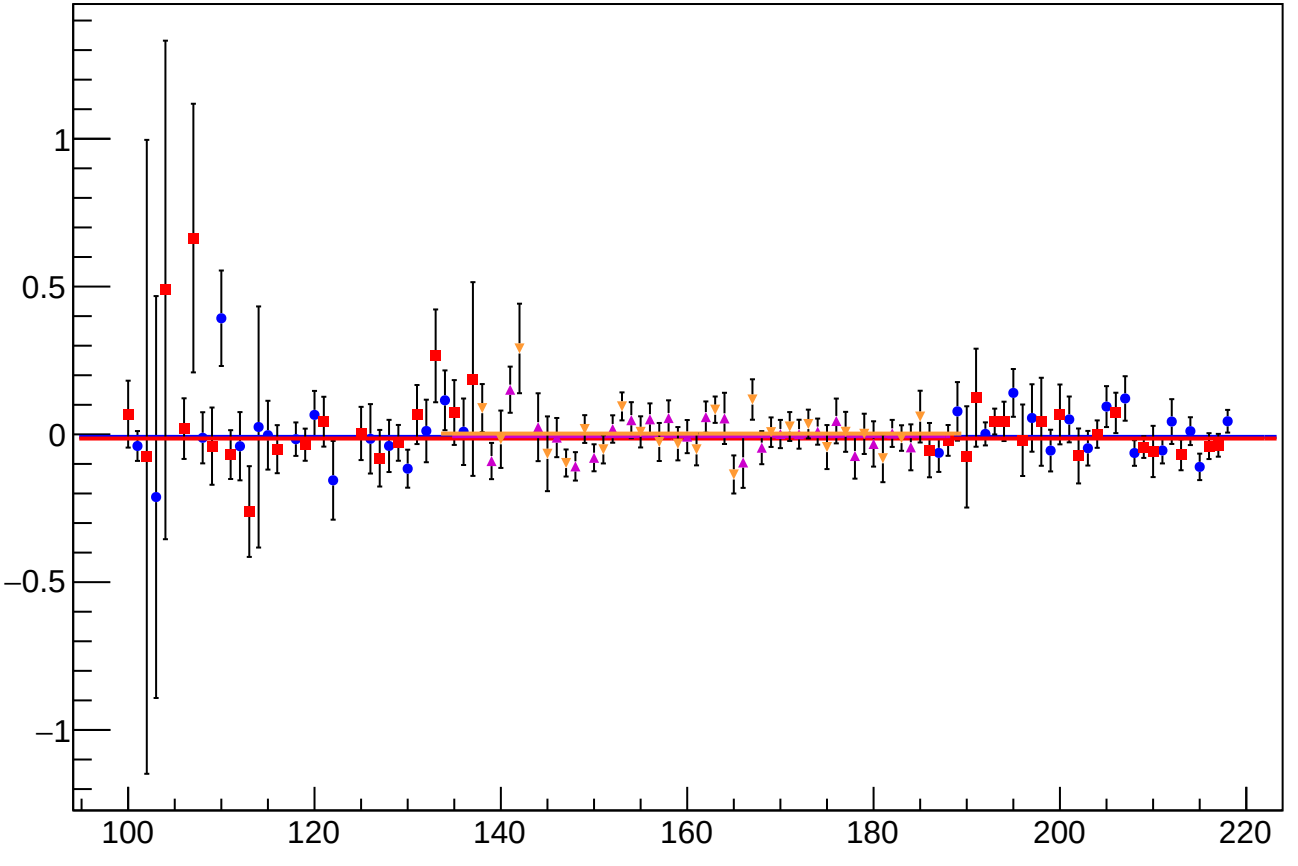
Right: 0.000+/-0.000 χ^2/NDF: 30476387.0/66

In: 0.000+/-0.000 χ^2/NDF:34088023.3/54

Out: 0.001+/-0.000 χ^2/NDF:35482469.0/58

All: 0.000+/-0.000 χ^2/NDF: 69669550.9/113

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: -0.014+/-0.012 χ^2/NDF: 21.6/34

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

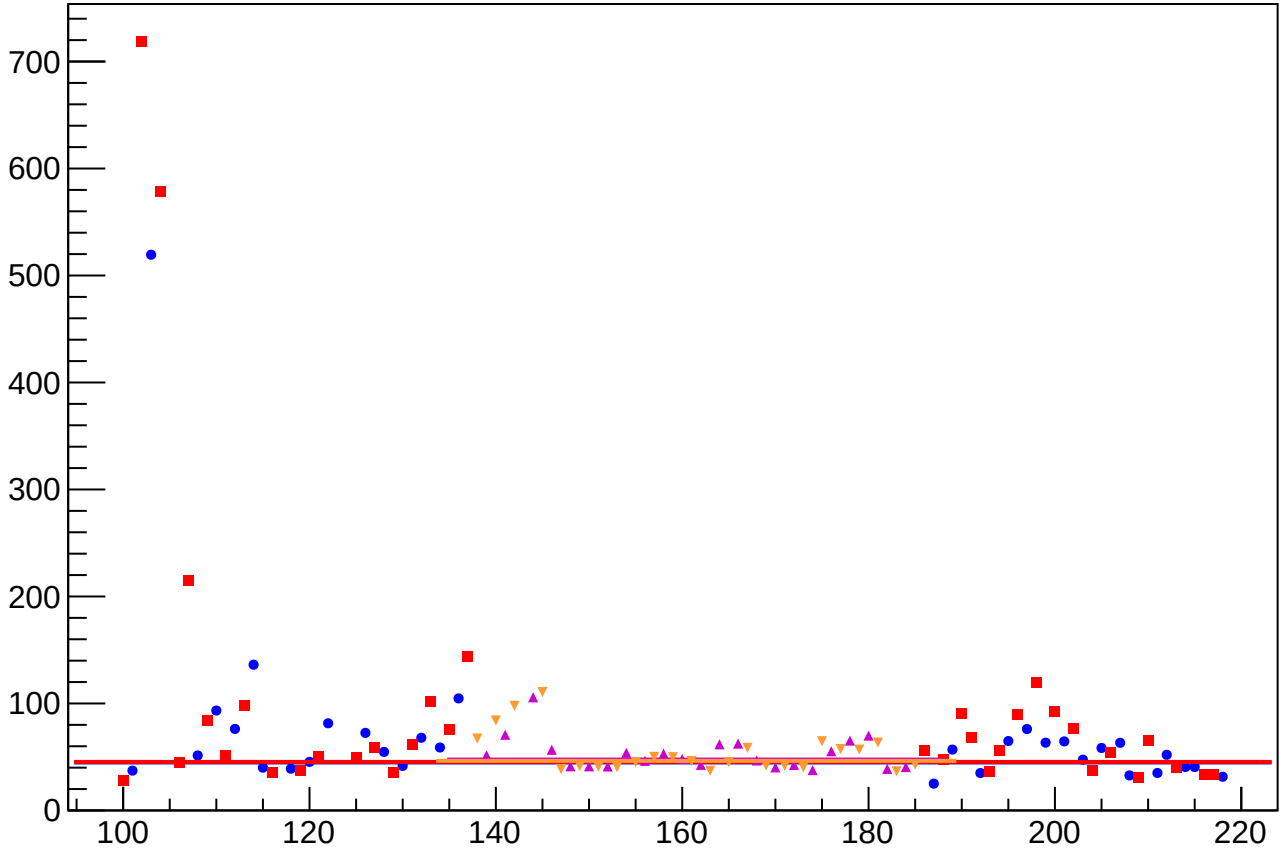
Right: -0.011+/-0.009 χ^2/NDF: 57.2/66

In: -0.007+/-0.008 χ^2/NDF:57.1/54

Out: -0.005+/-0.009 χ^2/NDF:52.5/58

All: -0.006+/-0.006 χ^2/NDF: 109.6/113

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: 45.370+/-0.009 χ^2/NDF: 5797769.2/34

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

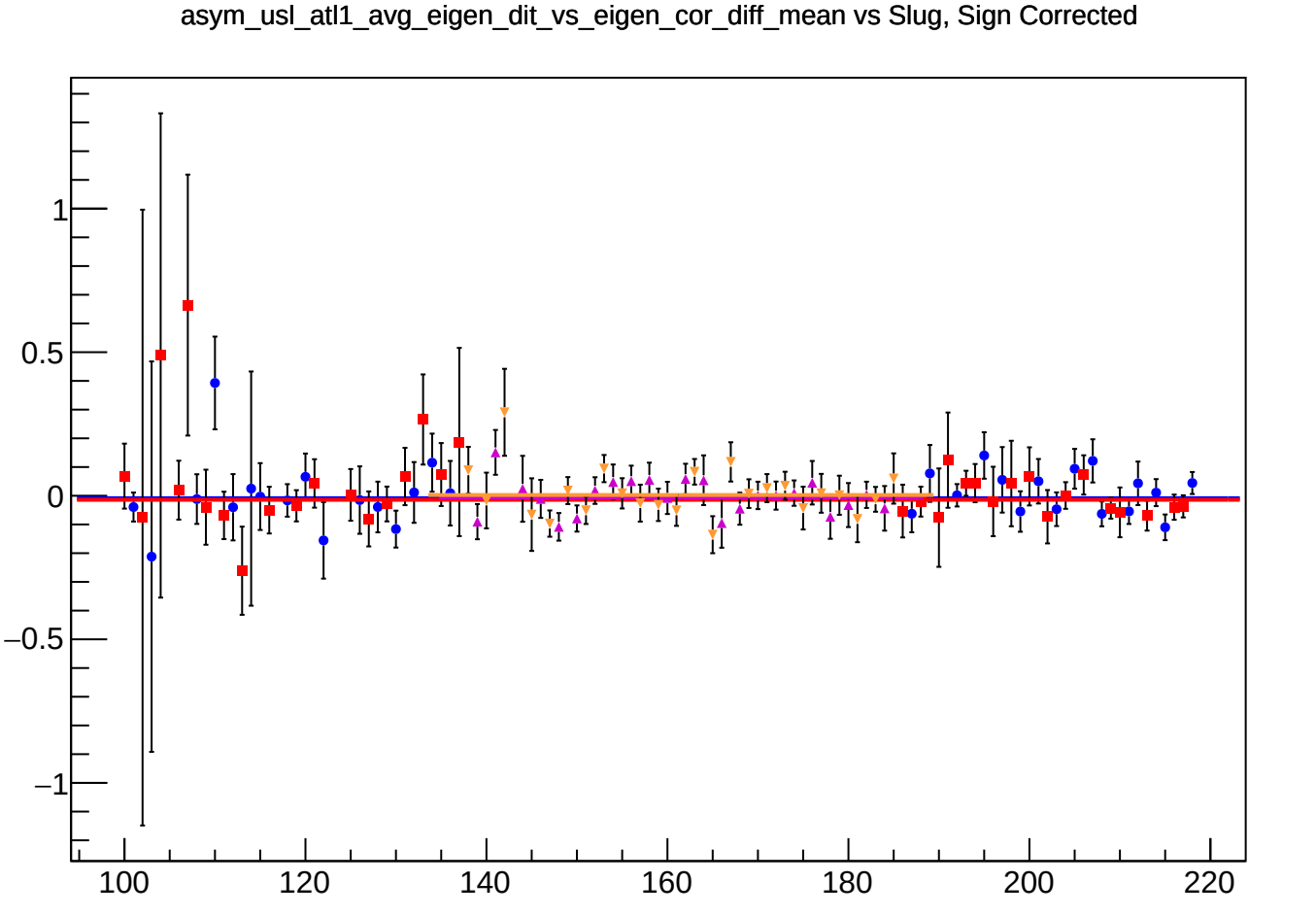
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 45.111+/-0.006 χ^2/NDF: 9912480.4/66

In: 46.196+/-0.006 χ^2/NDF:5739886.2/54

Out: 45.880+/-0.006 χ^2/NDF:7772089.1/58

All: 46.039+/-0.004 χ^2/NDF: 13513341.0/113



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: -0.014+/-0.012 χ^2/NDF: 21.6/34

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

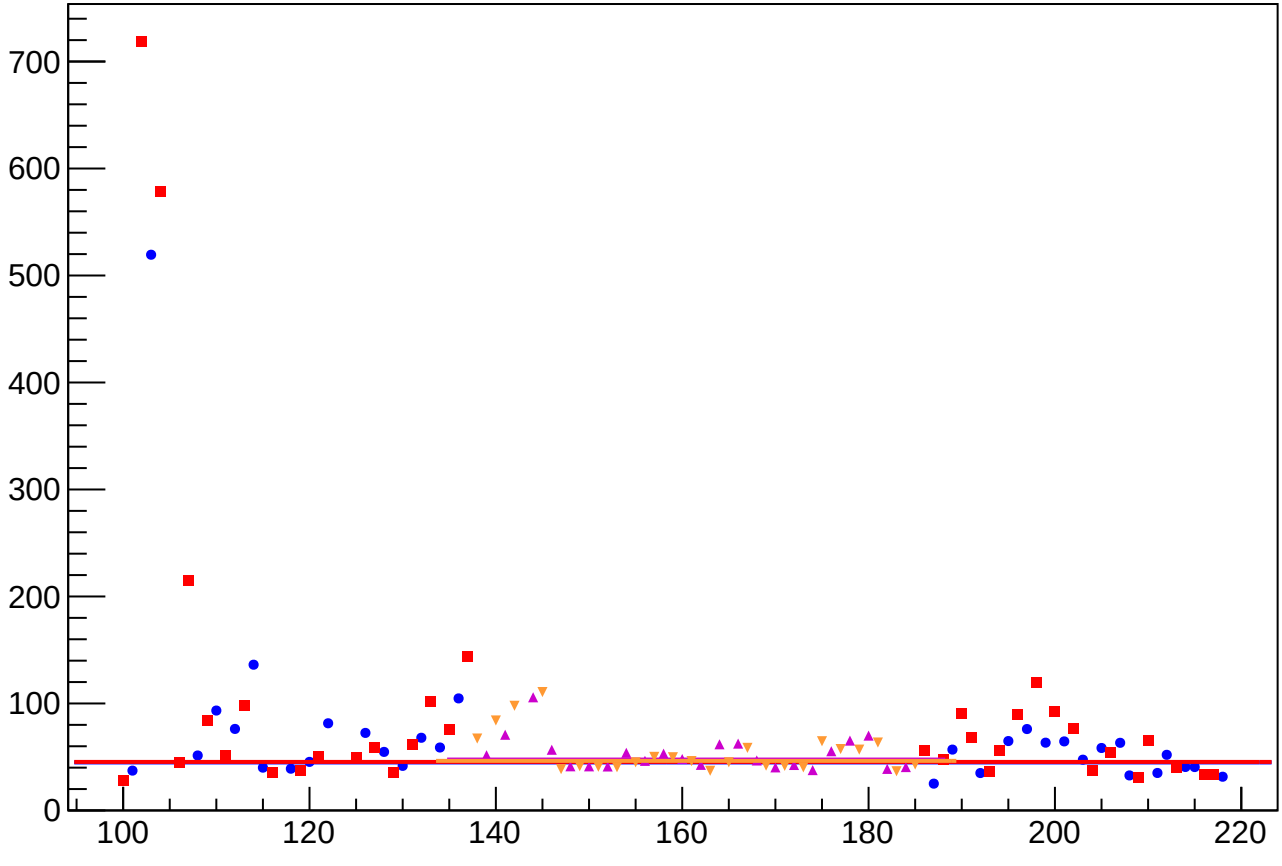
Right: -0.011+/-0.009 χ^2/NDF: 57.2/66

In: -0.007+/-0.008 χ^2/NDF:57.1/54

Out: -0.005+/-0.009 χ^2/NDF:52.5/58

All: -0.006+/-0.006 χ^2/NDF: 109.6/113

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: 45.370+/-0.009 χ^2/NDF: 5797769.2/34

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

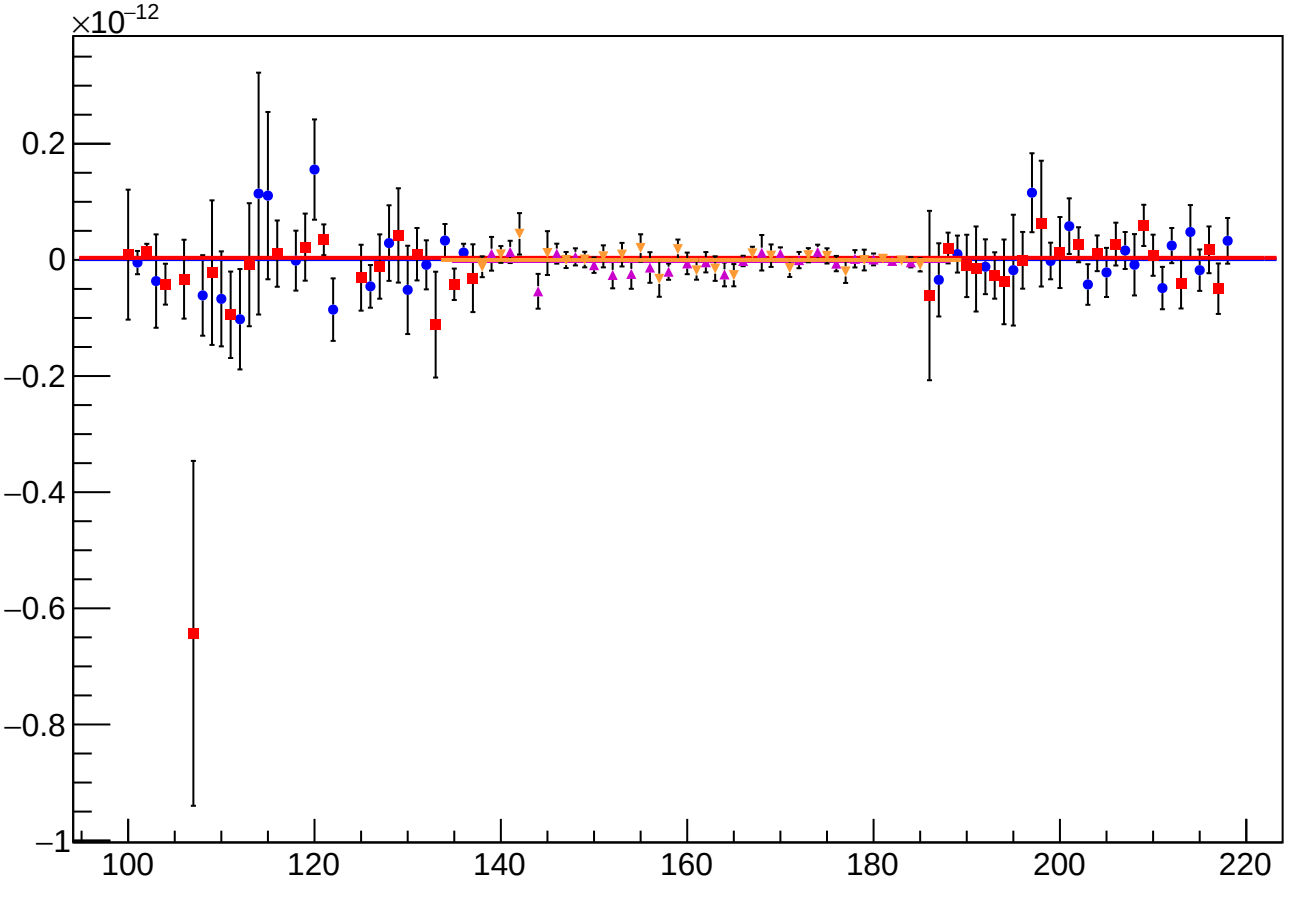
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 45.111+/-0.006 χ^2/NDF: 9912480.4/66

In: 46.196+/-0.006 χ^2/NDF:5739886.2/54

Out: 45.880+/-0.006 χ^2/NDF:7772089.1/58

All: 46.039+/-0.004 χ^2/NDF: 13513341.0/113



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: 24.4/34

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

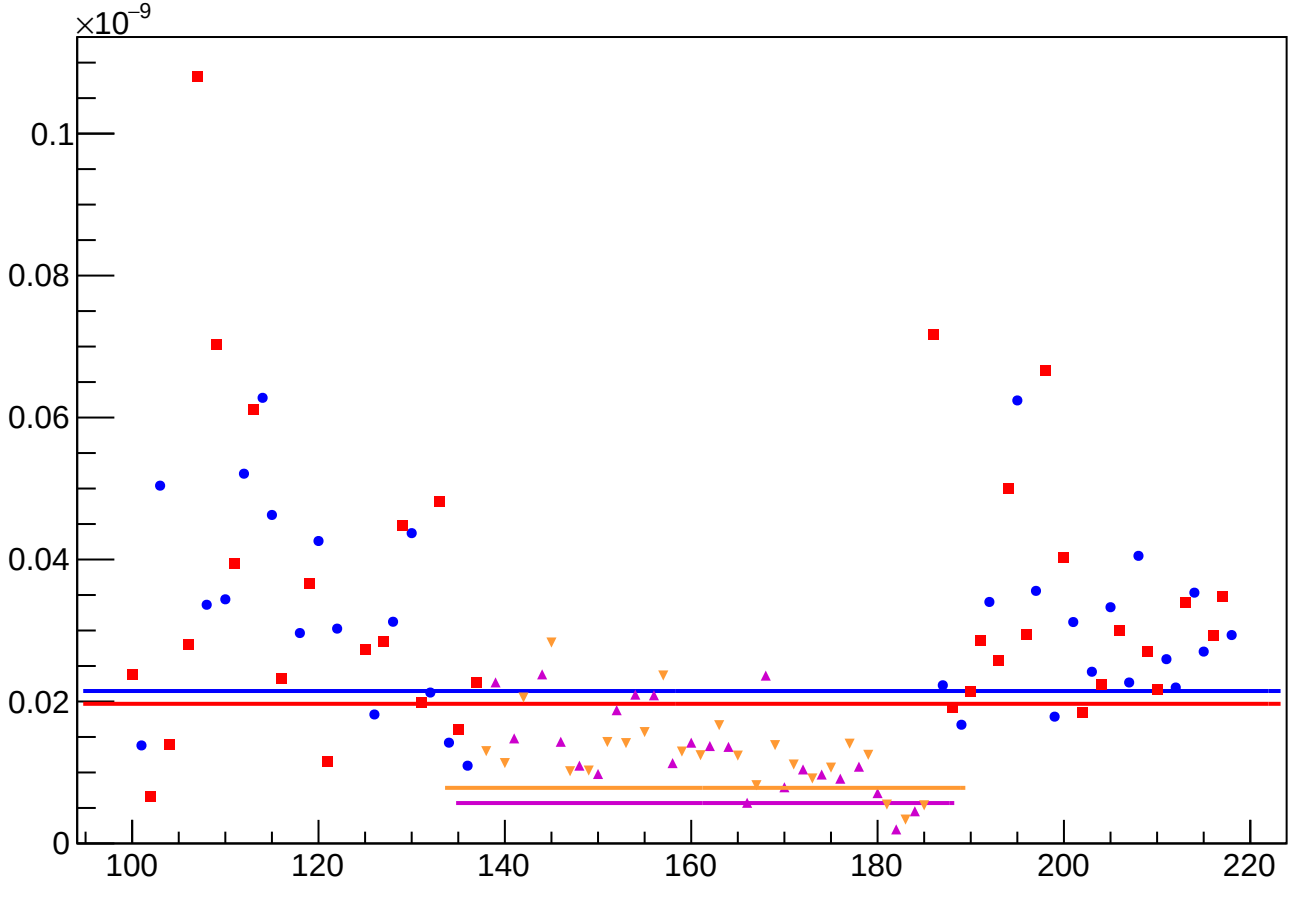
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 49.8/66

In: -0.000+/-0.000 χ^2/NDF:38.9/54

Out: 0.000+/-0.000 χ^2/NDF:38.5/58

All: -0.000+/-0.000 χ^2/NDF: 77.8/113



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: 6153010.2/34

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

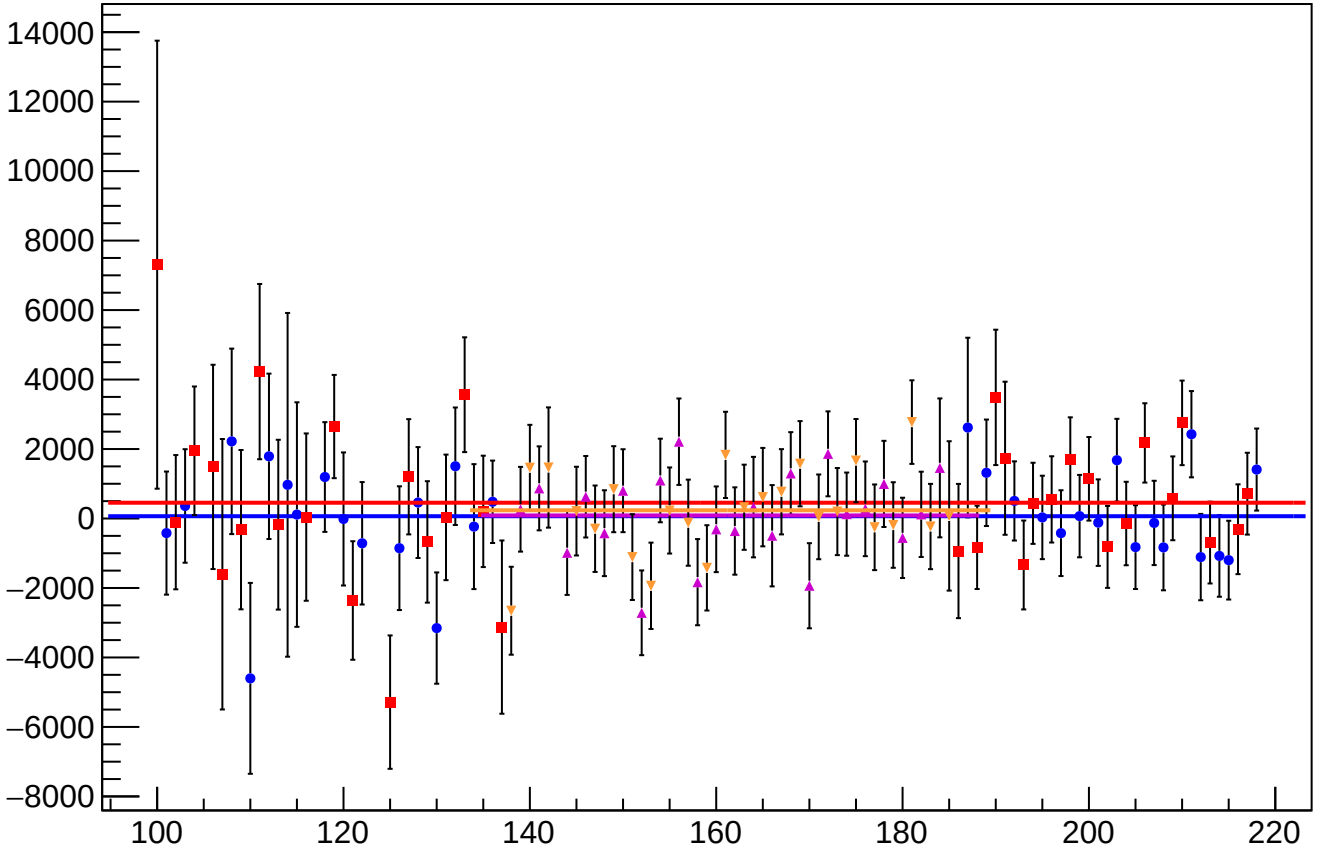
Right: 0.000+/-0.000 χ^2/NDF: 10338305.5/66

In: 0.000+/-0.000 χ^2/NDF:24974391.4/54

Out: 0.000+/-0.000 χ^2/NDF:18022175.2/58

All: 0.000+/-0.000 χ^2/NDF: 44034323.3/113

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: 454.271+/-259.917 χ^2/NDF: 41.2/34

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

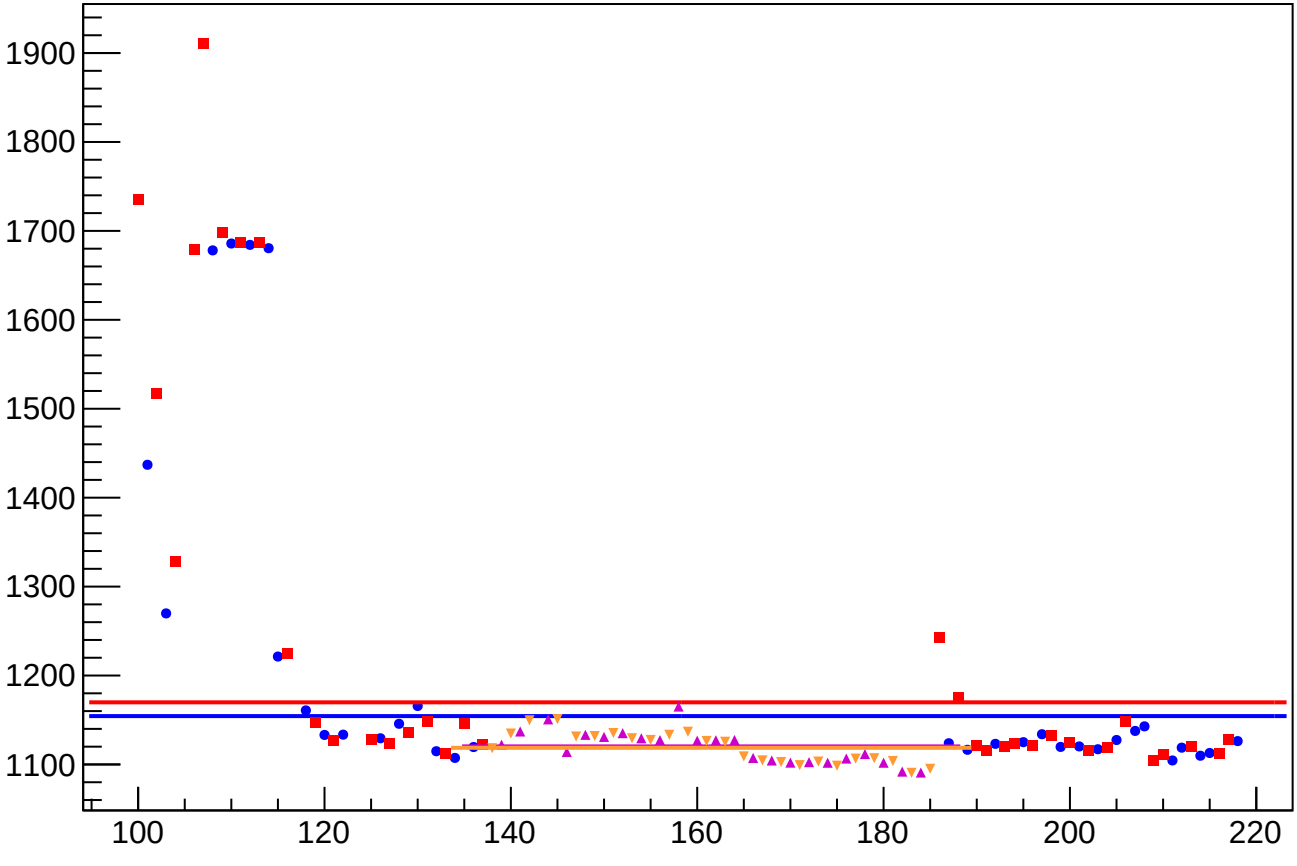
Right: 258.550+/-183.069 χ^2/NDF: 65.4/66

In: 76.962+/-183.655 χ^2/NDF:43.9/54

Out: 345.332+/-183.701 χ^2/NDF:64.3/58

All: 211.113+/-129.880 χ^2/NDF: 109.3/113

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: 1169.856+/-0.184 χ^2/NDF: 564693.3/34

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

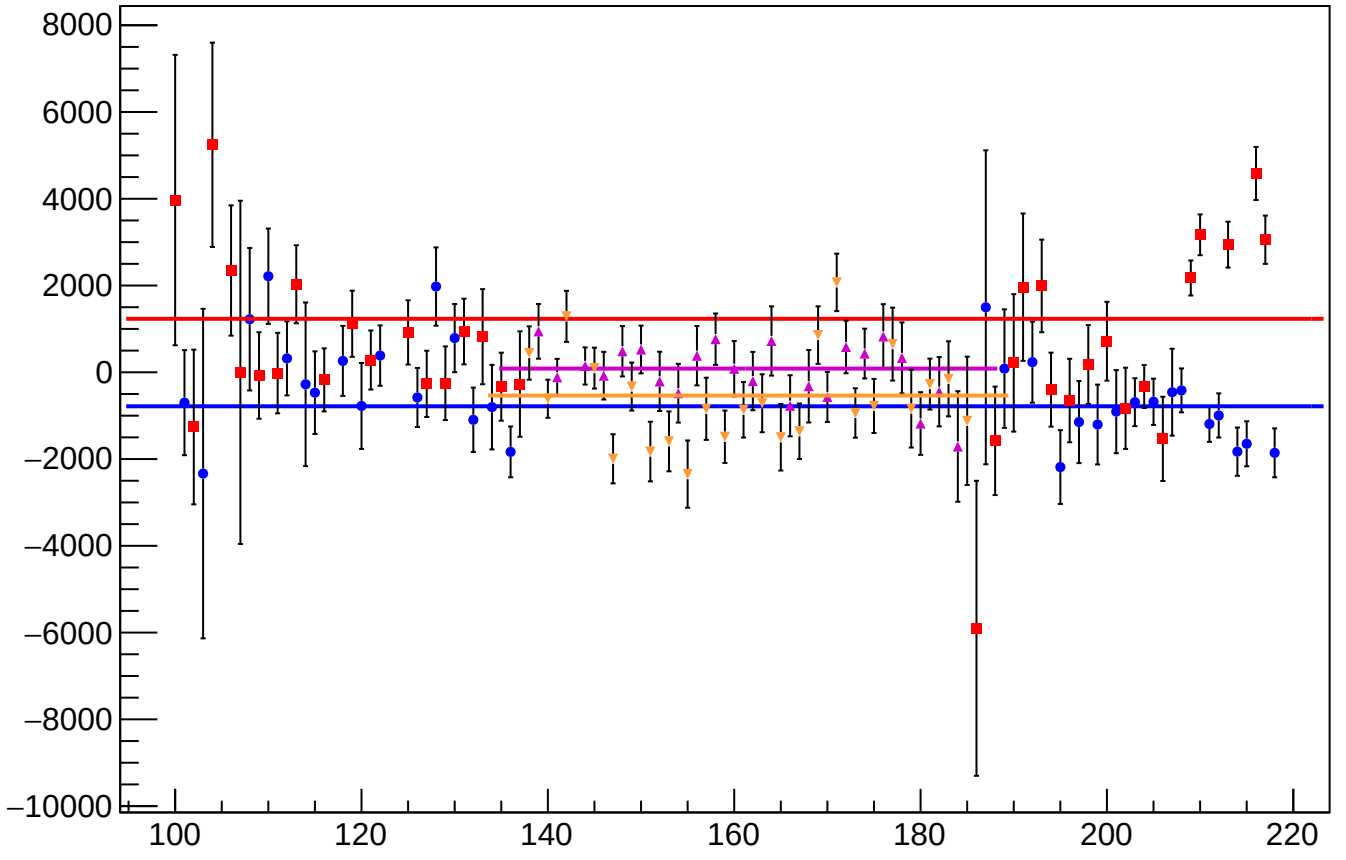
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1162.056+/-0.129 χ^2/NDF: 931812.8/66

In: 1137.586+/-0.130 χ^2/NDF:390227.4/54

Out: 1144.270+/-0.130 χ^2/NDF:611621.8/58

All: 1140.927+/-0.092 χ^2/NDF: 1003173.5/11



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: 1233.164+/-136.425 χ^2/NDF: 145.4/34

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

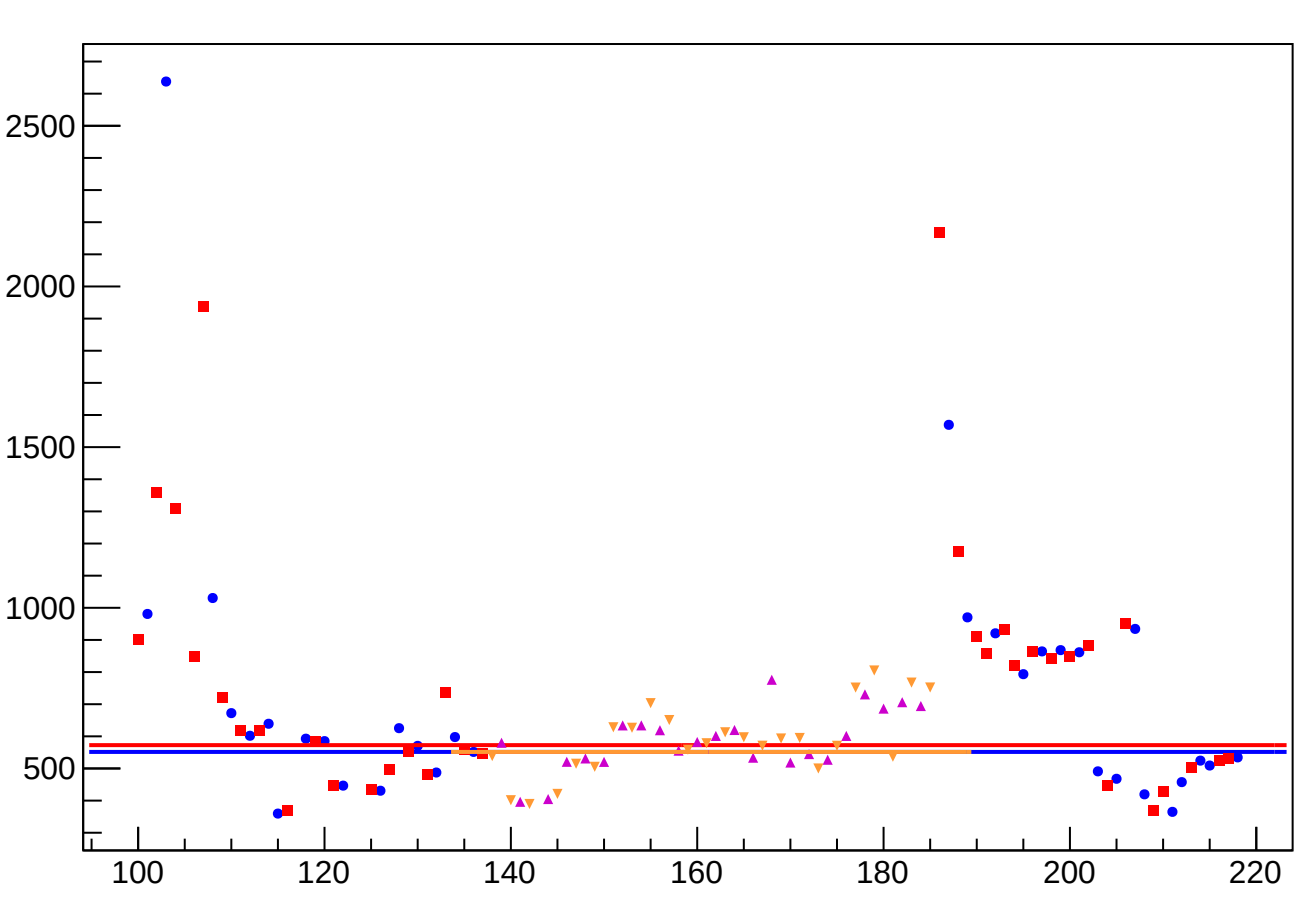
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 184.379+/-94.513 χ^2/NDF: 308.2/66

In: -348.826+/-92.640 χ^2/NDF:88.3/54

Out: 310.372+/-94.358 χ^2/NDF:294.6/58

All: -25.283+/-66.105 χ^2/NDF: 407.8/113



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: 572.624+/-0.096 χ^2/NDF: 4758345.6/34

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

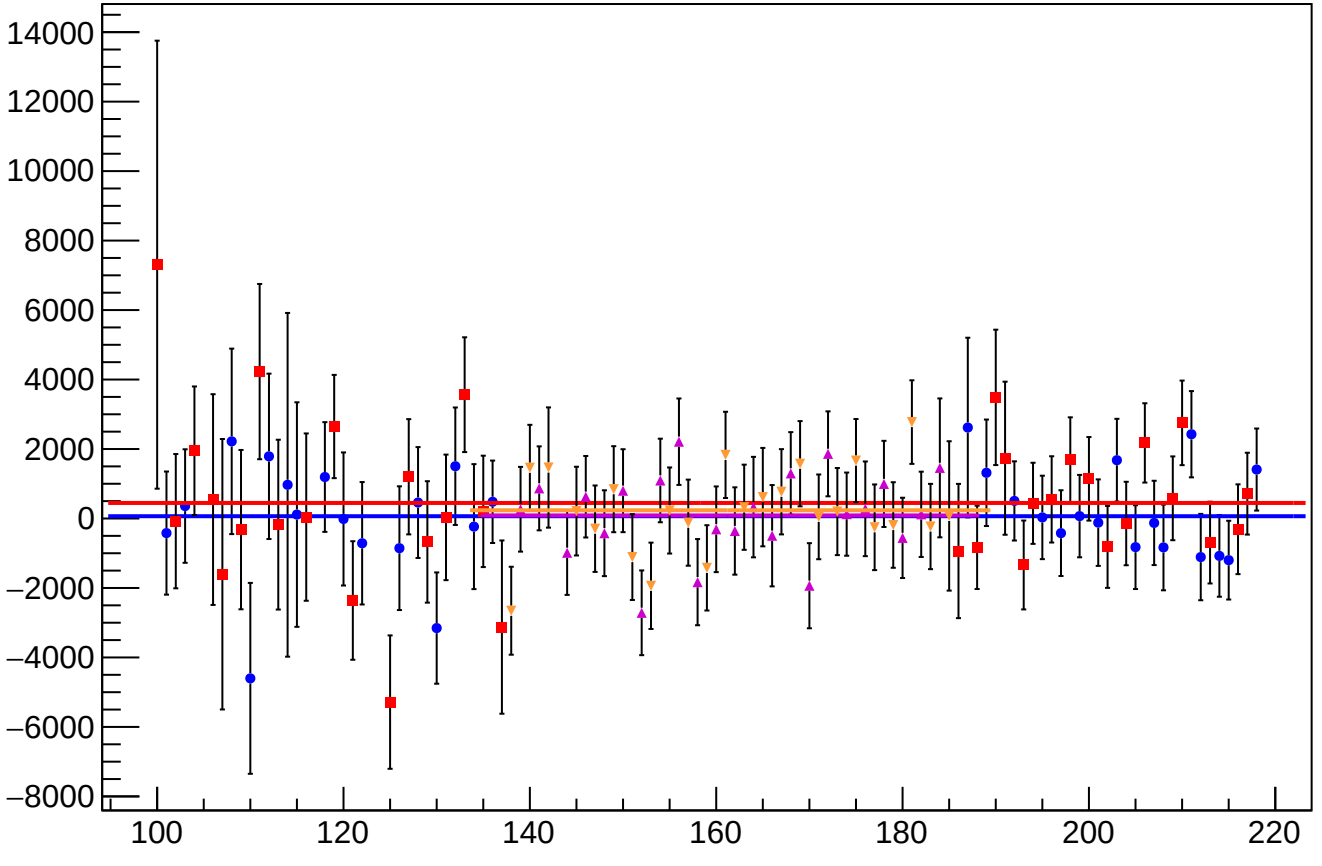
Right: 561.641+/-0.067 χ^2/NDF: 8560564.9/66

In: 551.421+/-0.066 χ^2/NDF:4839060.5/54

Out: 561.574+/-0.067 χ^2/NDF:6010116.4/58

All: 556.404+/-0.047 χ^2/NDF: 10860968.1/11

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



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: 447.419+/-259.979 χ^2/NDF: 41.1/34

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

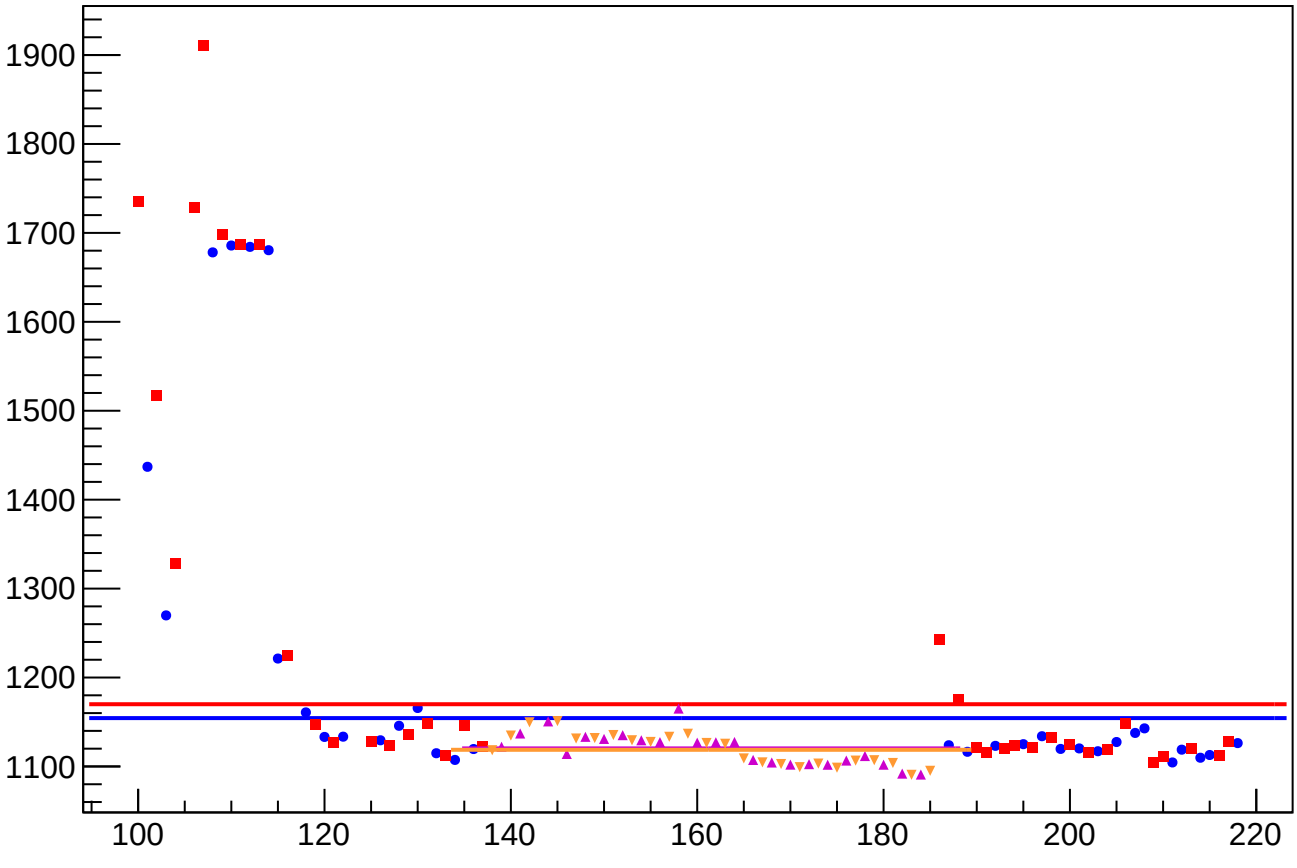
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 255.044+/-183.091 χ^2/NDF: 65.2/66

In: 76.895+/-183.655 χ^2/NDF:43.9/54

Out: 341.905+/-183.723 χ^2/NDF:64.1/58

All: 209.351+/-129.888 χ^2/NDF: 109.1/113



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: 1169.985+/-0.184 χ^2/NDF: 572702.4/34

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

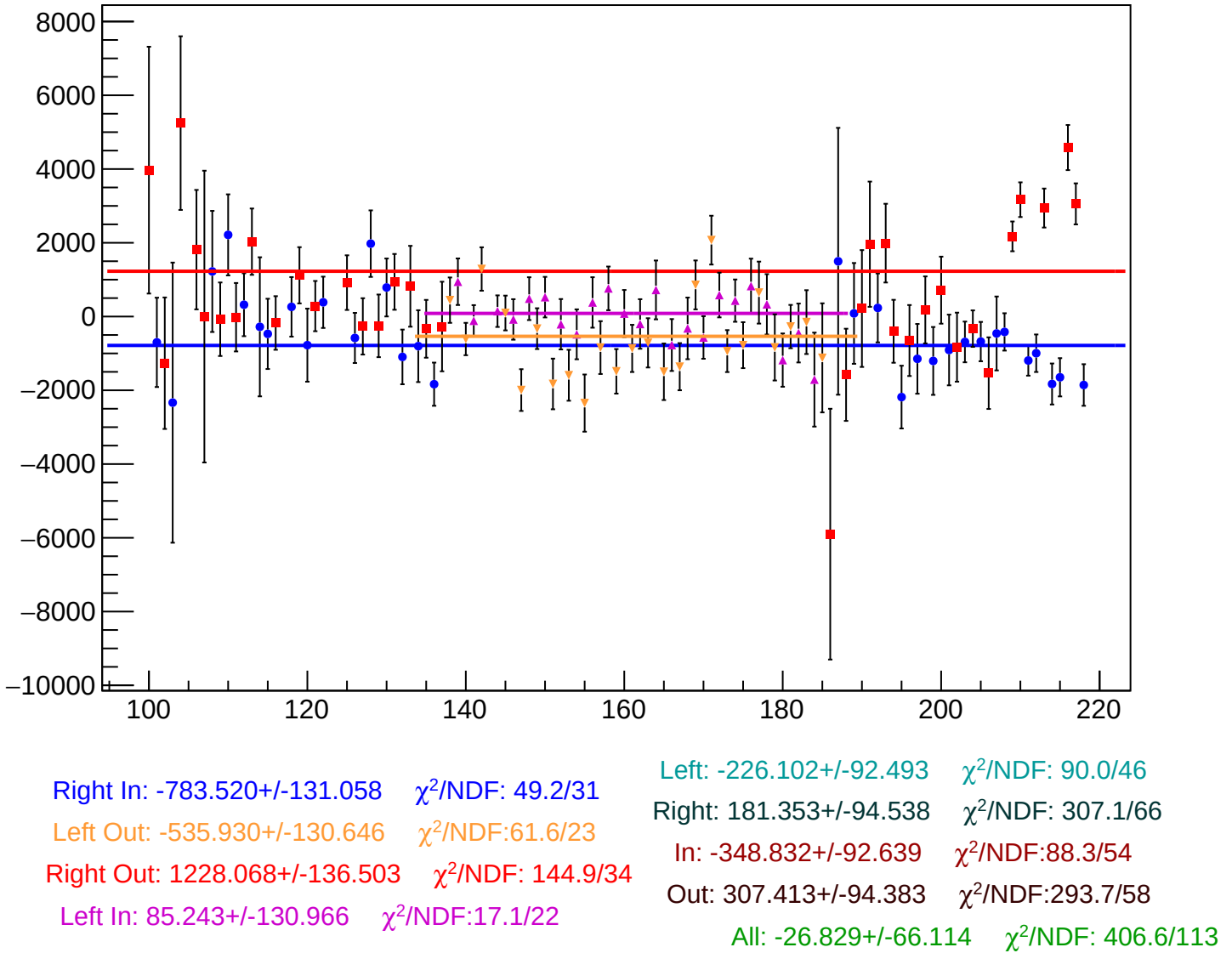
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1162.118+/-0.129 χ^2/NDF: 939880.9/66

In: 1137.586+/-0.130 χ^2/NDF:390227.5/54

Out: 1144.328+/-0.130 χ^2/NDF:619816.9/58

All: 1140.956+/-0.092 χ^2/NDF: 1011391.7/11


asym_usl_atl1_dd_cor_correction_mean vs Slug, Sign Corrected
8000
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−6000
−8000
−10000
100
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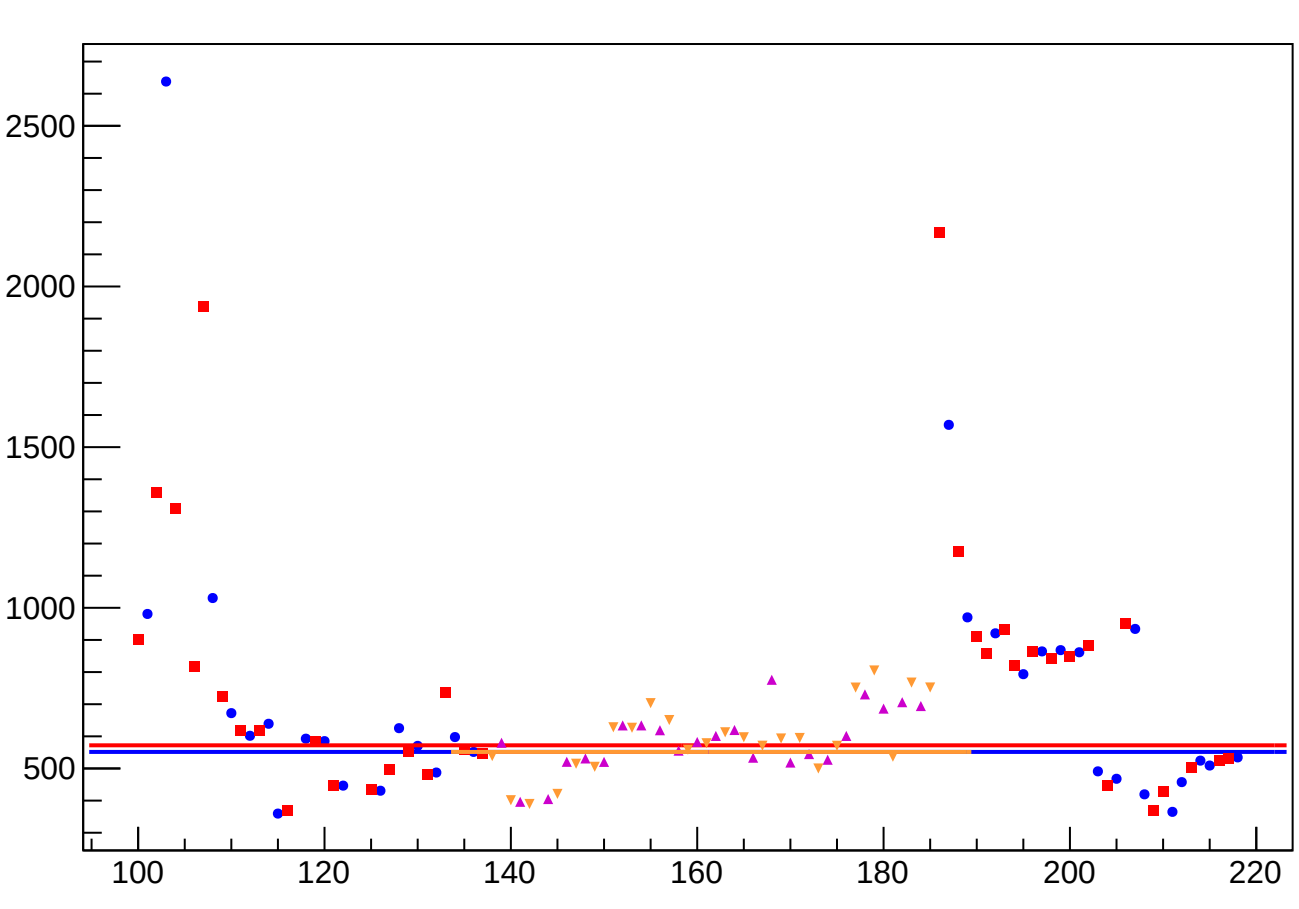
140
160
180
200
220
Right In: -783.520+/-131.058 χ²/NDF: 49.2/31
Left Out: -535.930+/-130.646 χ²/NDF:61.6/23
Right Out: 1228.068+/-136.503 χ²/NDF: 144.9/34
Left In: 85.243+/-130.966 χ²/NDF:17.1/22
Left: -226.102+/-92.493 χ²/NDF: 90.0/46
Right: 181.353+/-94.538 χ²/NDF: 307.1/66
In: -348.832+/-92.639 χ²/NDF:88.3/54
Out: 307.413+/-94.383 χ²/NDF:293.7/58
All: -26.829+/-66.114 χ²/NDF: 406.6/113



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: 572.080+/-0.097 χ^2/NDF: 4737010.7/34

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

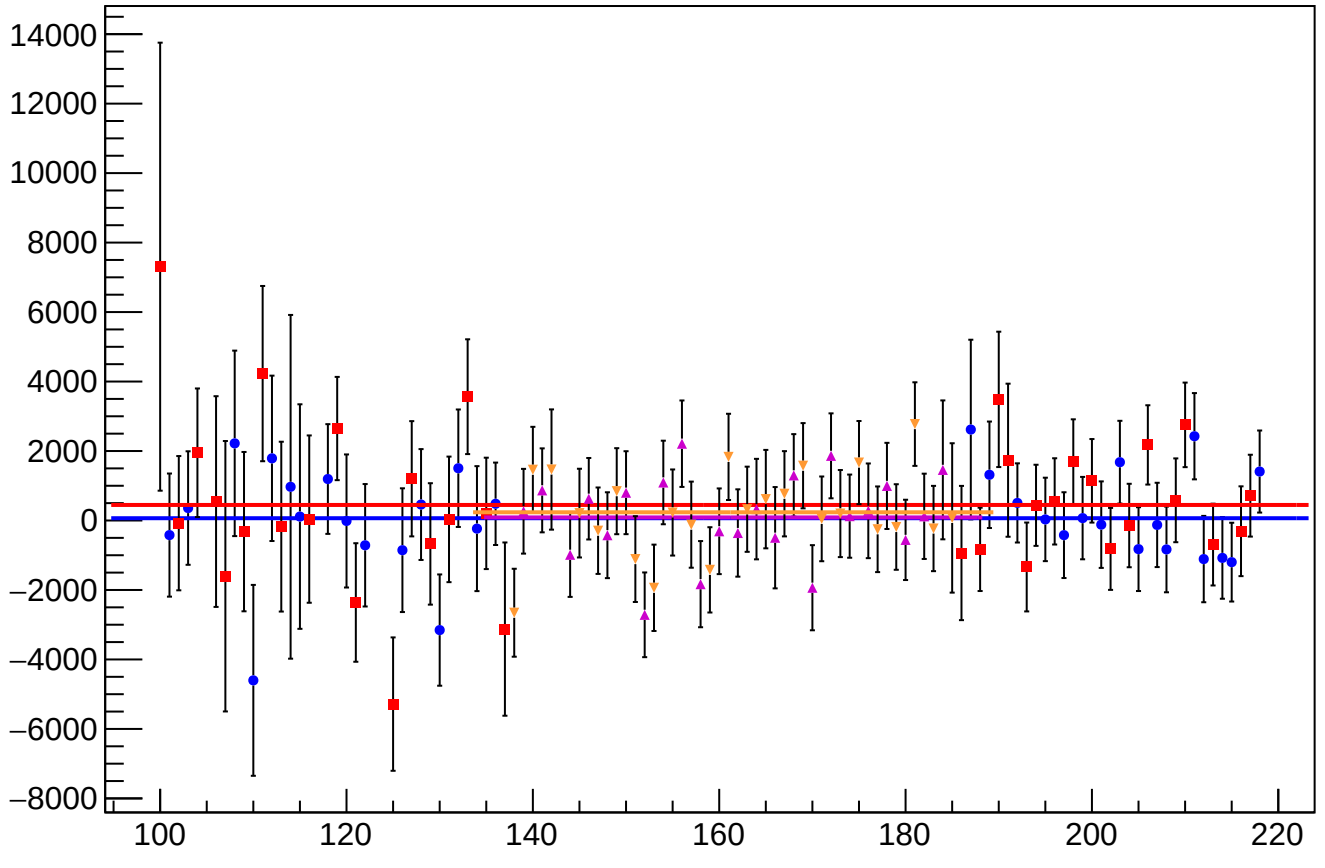
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 561.373+/-0.067 χ^2/NDF: 8537943.4/66

In: 551.419+/-0.066 χ^2/NDF:4839014.9/54

Out: 561.308+/-0.067 χ^2/NDF:5987510.3/58

All: 556.271+/-0.047 χ^2/NDF: 10837707.4/1



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: 447.419+/-259.979 χ^2/NDF: 41.1/34

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

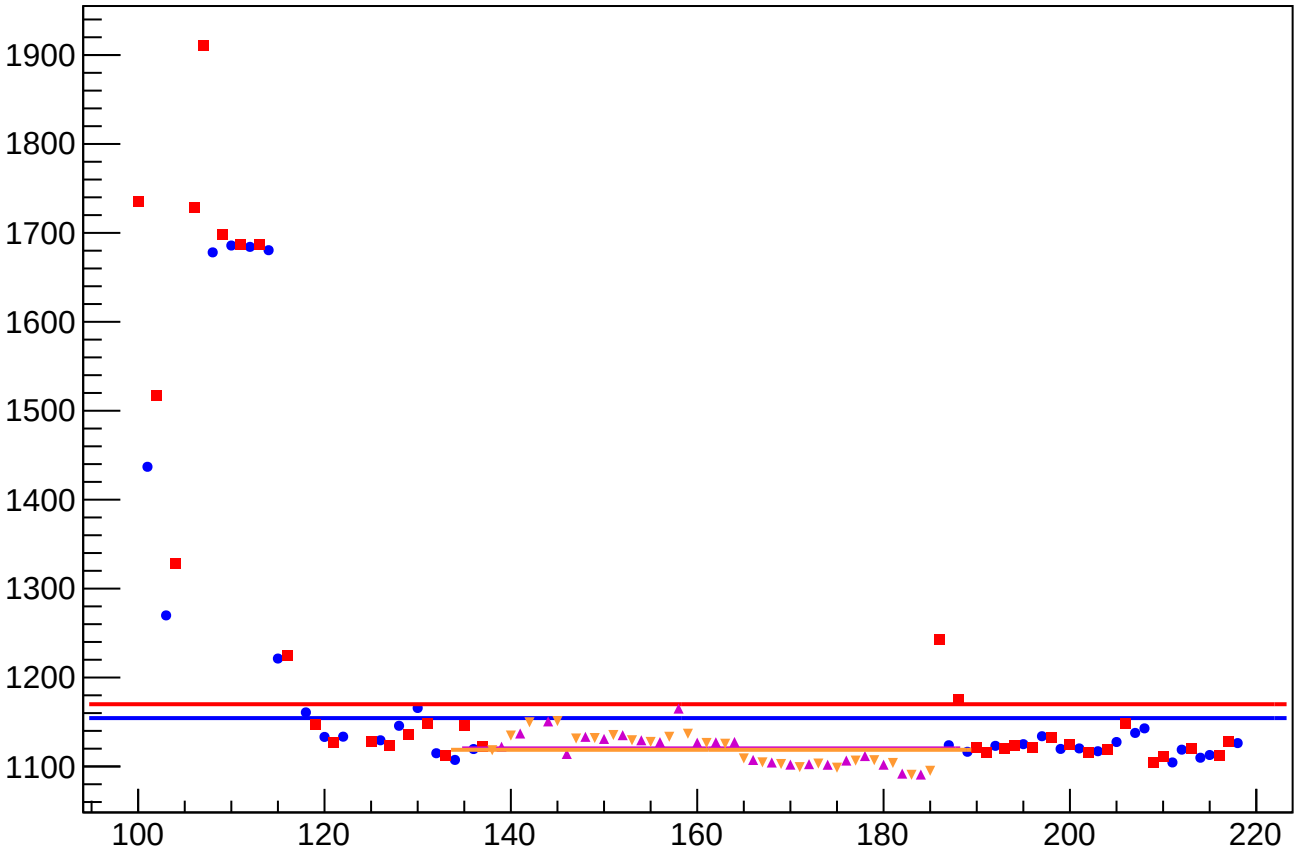
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 255.044+/-183.091 χ^2/NDF: 65.2/66

In: 76.895+/-183.655 χ^2/NDF:43.9/54

Out: 341.905+/-183.723 χ^2/NDF:64.1/58

All: 209.351+/-129.888 χ^2/NDF: 109.1/113



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: 1169.985+/-0.184 χ^2/NDF: 572702.4/34

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

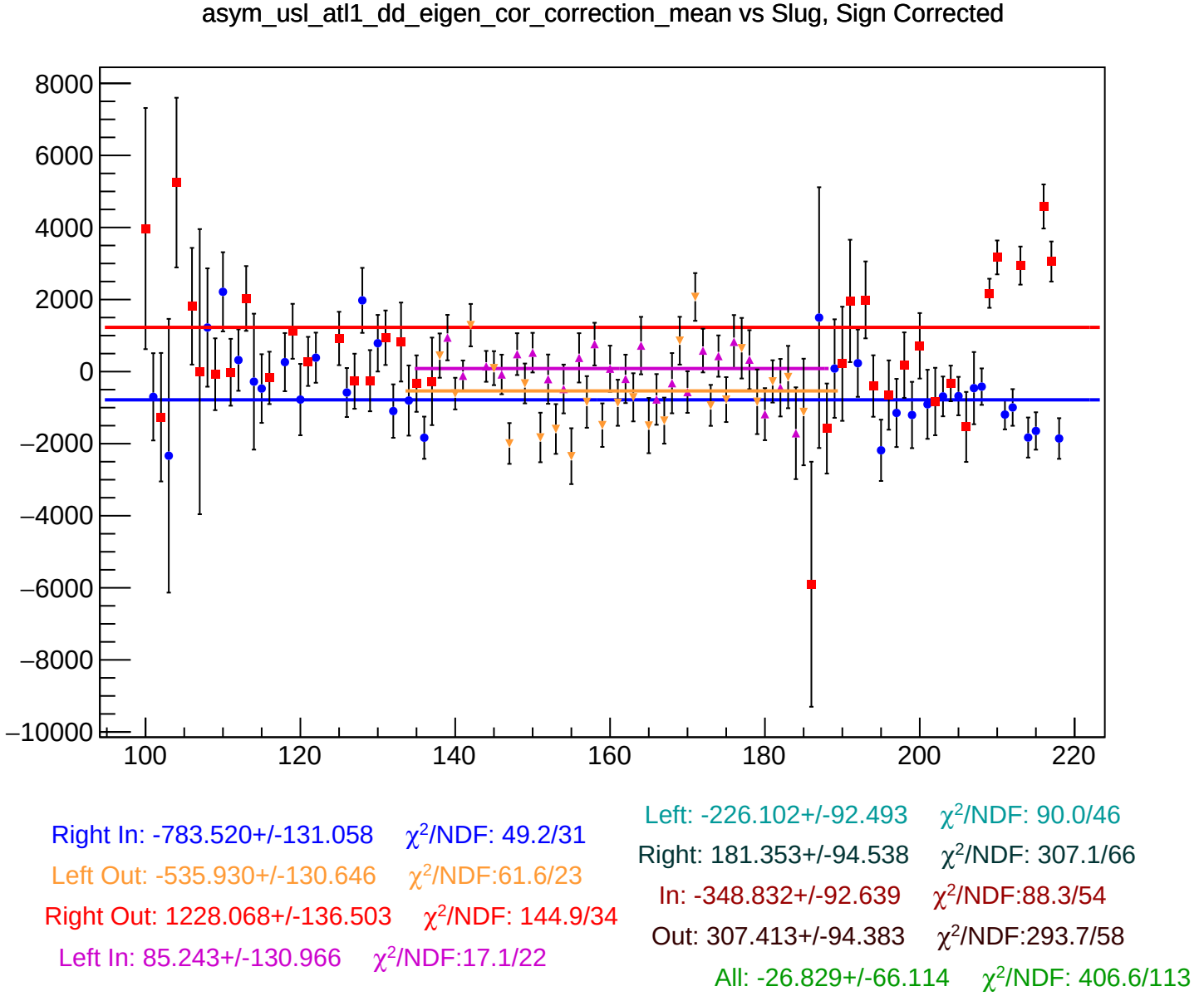
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1162.118+/-0.129 χ^2/NDF: 939880.9/66

In: 1137.586+/-0.130 χ^2/NDF:390227.5/54

Out: 1144.328+/-0.130 χ^2/NDF:619816.9/58

All: 1140.956+/-0.092 χ^2/NDF: 1011391.7/11


asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
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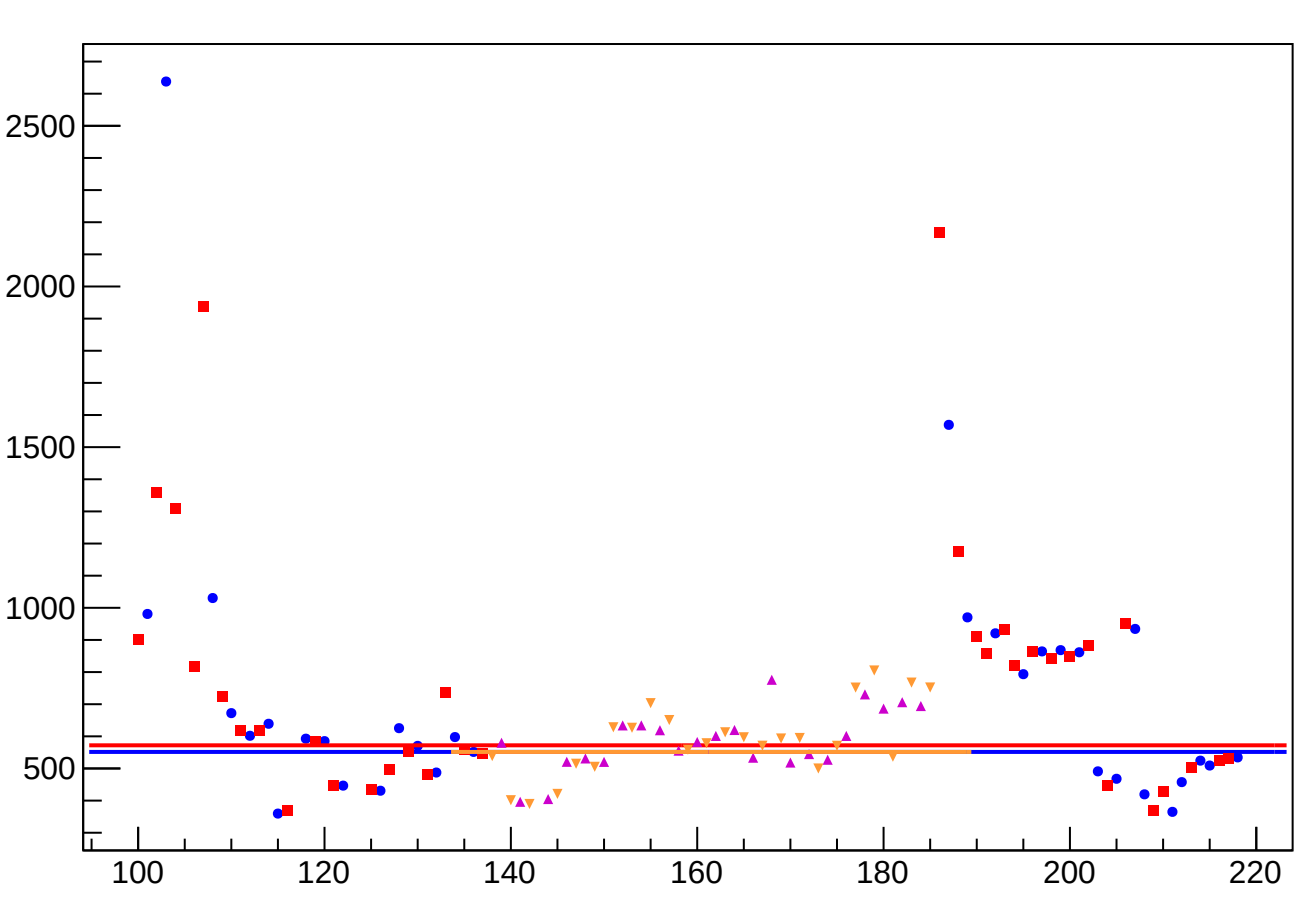
Right In: -783.520+/-131.058 χ²/NDF: 49.2/31
Left Out: -535.930+/-130.646 χ²/NDF:61.6/23
Right Out: 1228.068+/-136.503 χ²/NDF: 144.9/34
Left In: 85.243+/-130.966 χ²/NDF:17.1/22
Left: -226.102+/-92.493 χ²/NDF: 90.0/46
Right: 181.353+/-94.538 χ²/NDF: 307.1/66
In: -348.832+/-92.639 χ²/NDF:88.3/54
Out: 307.413+/-94.383 χ²/NDF:293.7/58
All: -26.829+/-66.114 χ²/NDF: 406.6/113



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: 572.080+/-0.097 χ^2/NDF: 4737010.7/34

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

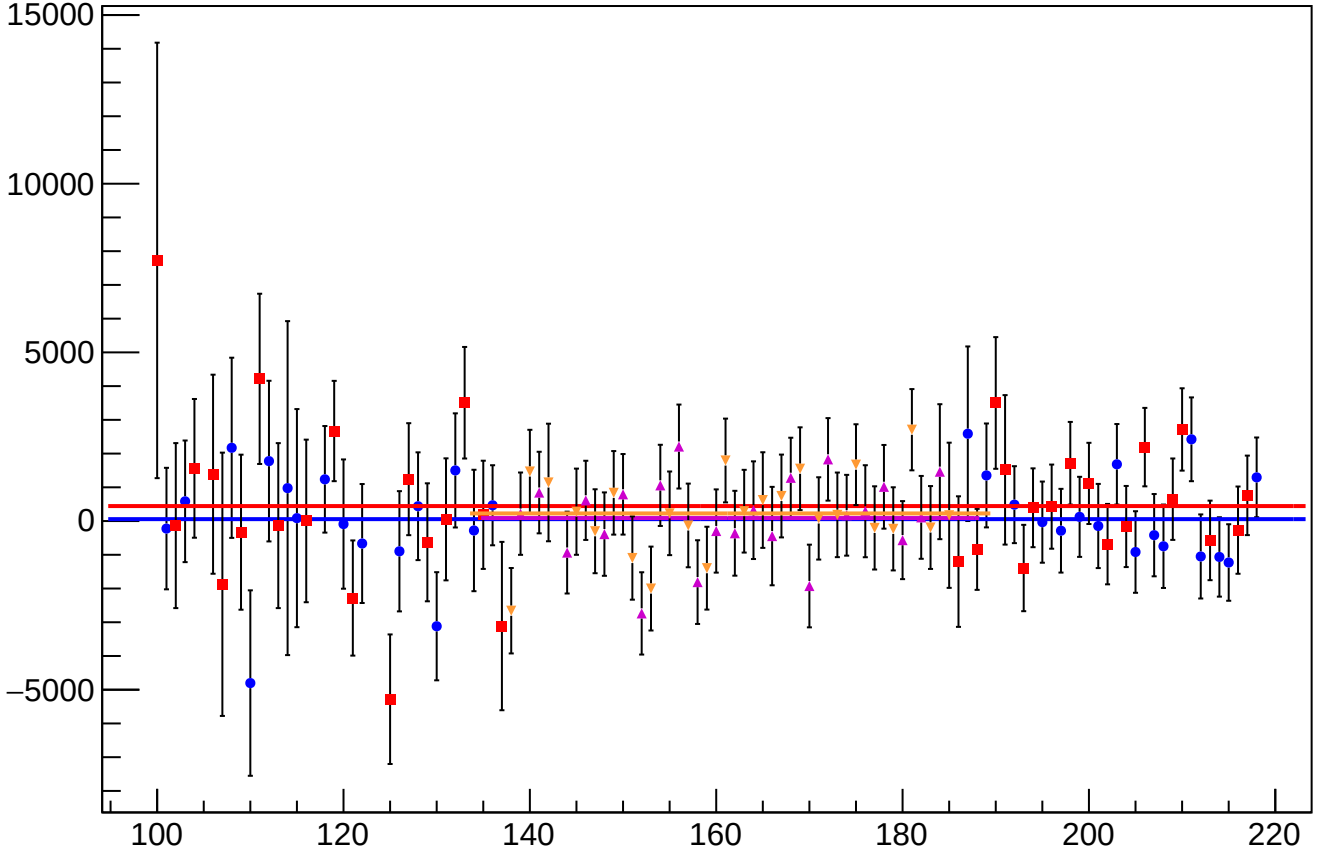
Right: 561.373+/-0.067 χ^2/NDF: 8537943.4/66

In: 551.419+/-0.066 χ^2/NDF:4839014.9/54

Out: 561.308+/-0.067 χ^2/NDF:5987510.3/58

All: 556.271+/-0.047 χ^2/NDF: 10837707.4/1

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: 444.114+/-261.962 χ^2/NDF: 40.4/34

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

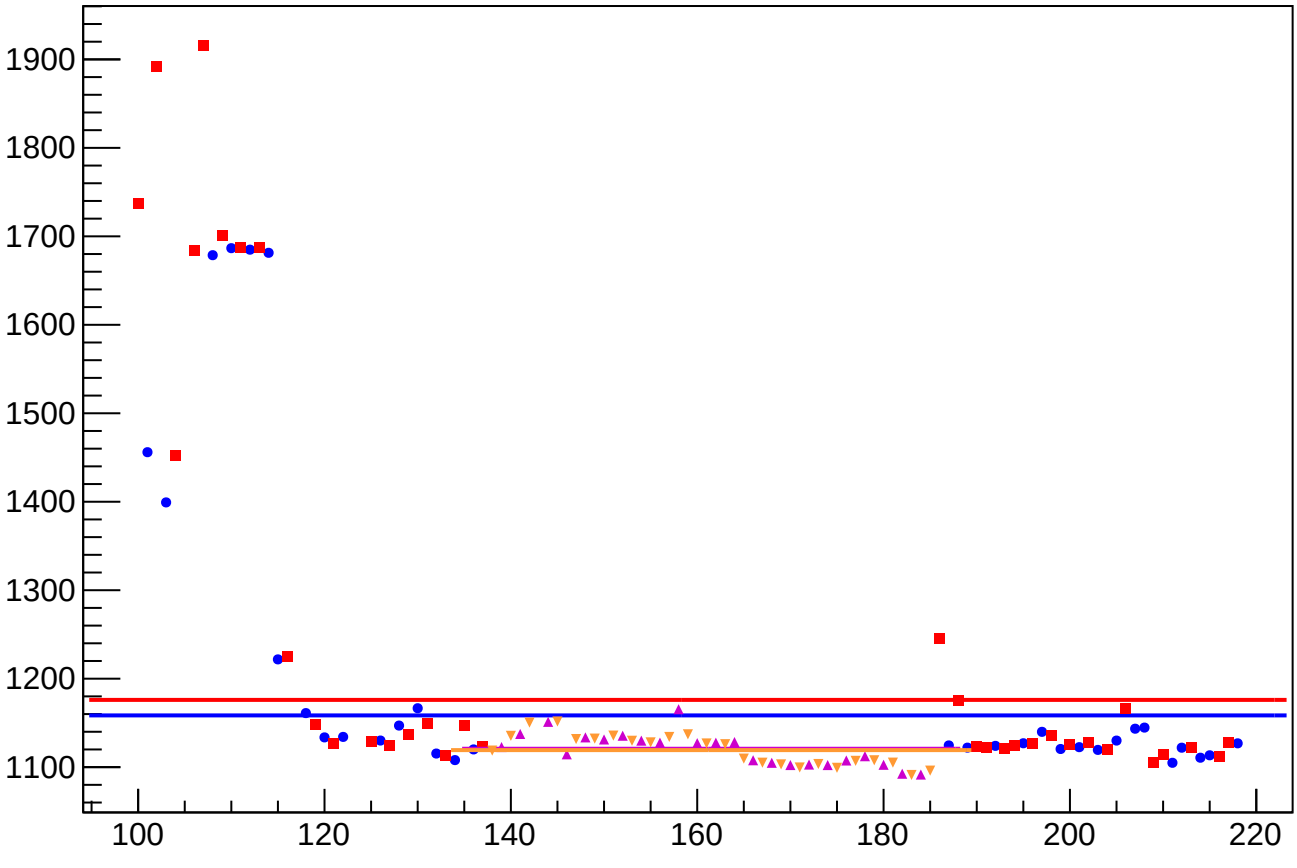
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 248.117+/-184.159 χ^2/NDF: 64.5/66

In: 72.670+/-184.074 χ^2/NDF:43.6/54

Out: 333.996+/-184.476 χ^2/NDF:62.9/58

All: 203.048+/-130.302 χ^2/NDF: 107.5/113



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: 1176.024+/-0.185 χ^2/NDF: 694213.7/34

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

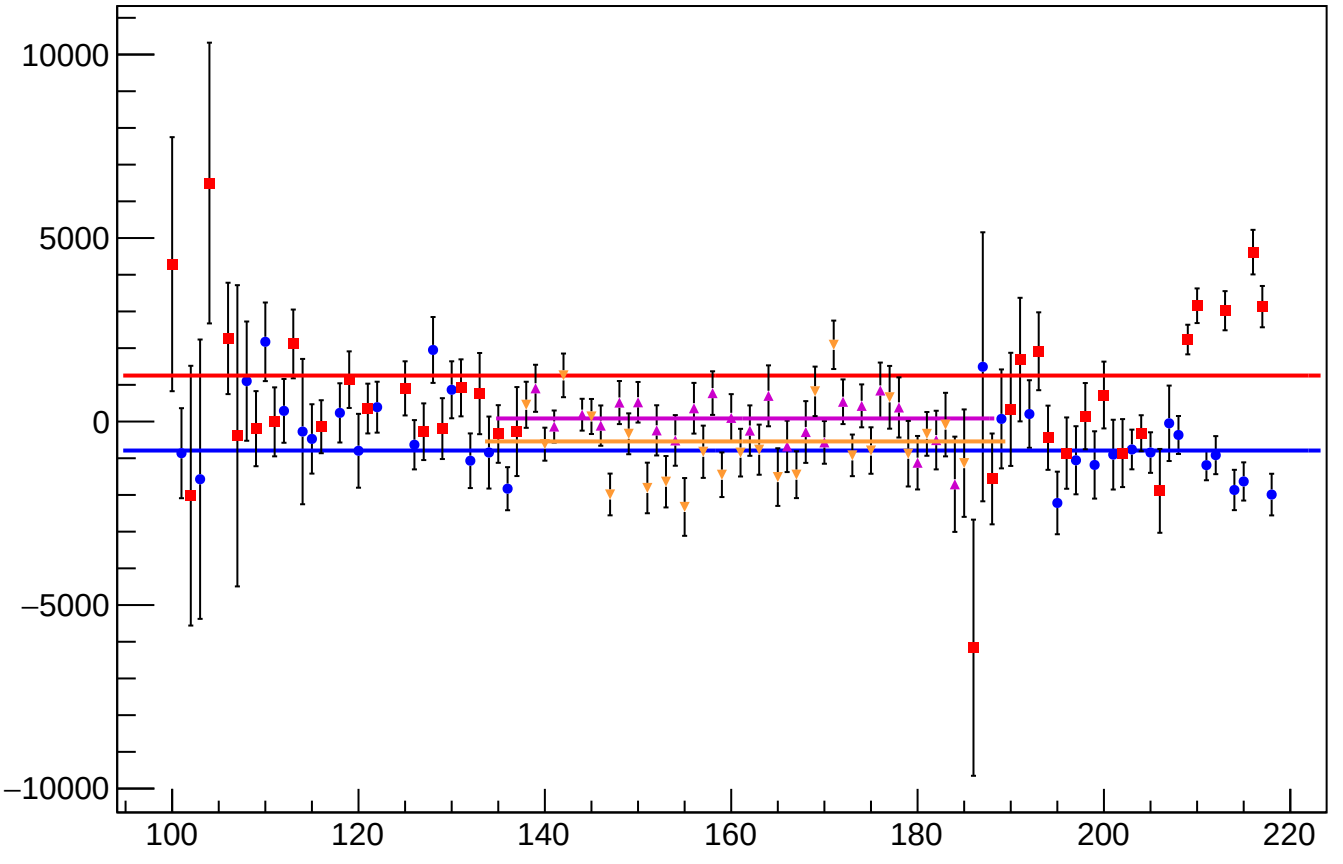
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1167.154+/-0.130 χ^2/NDF: 1091845.5/66

In: 1139.845+/-0.130 χ^2/NDF:423482.6/54

Out: 1147.409+/-0.130 χ^2/NDF:749697.5/58

All: 1143.619+/-0.092 χ^2/NDF: 1174865.1/11



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: 1253.155+/-137.662 χ^2/NDF: 146.3/34

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

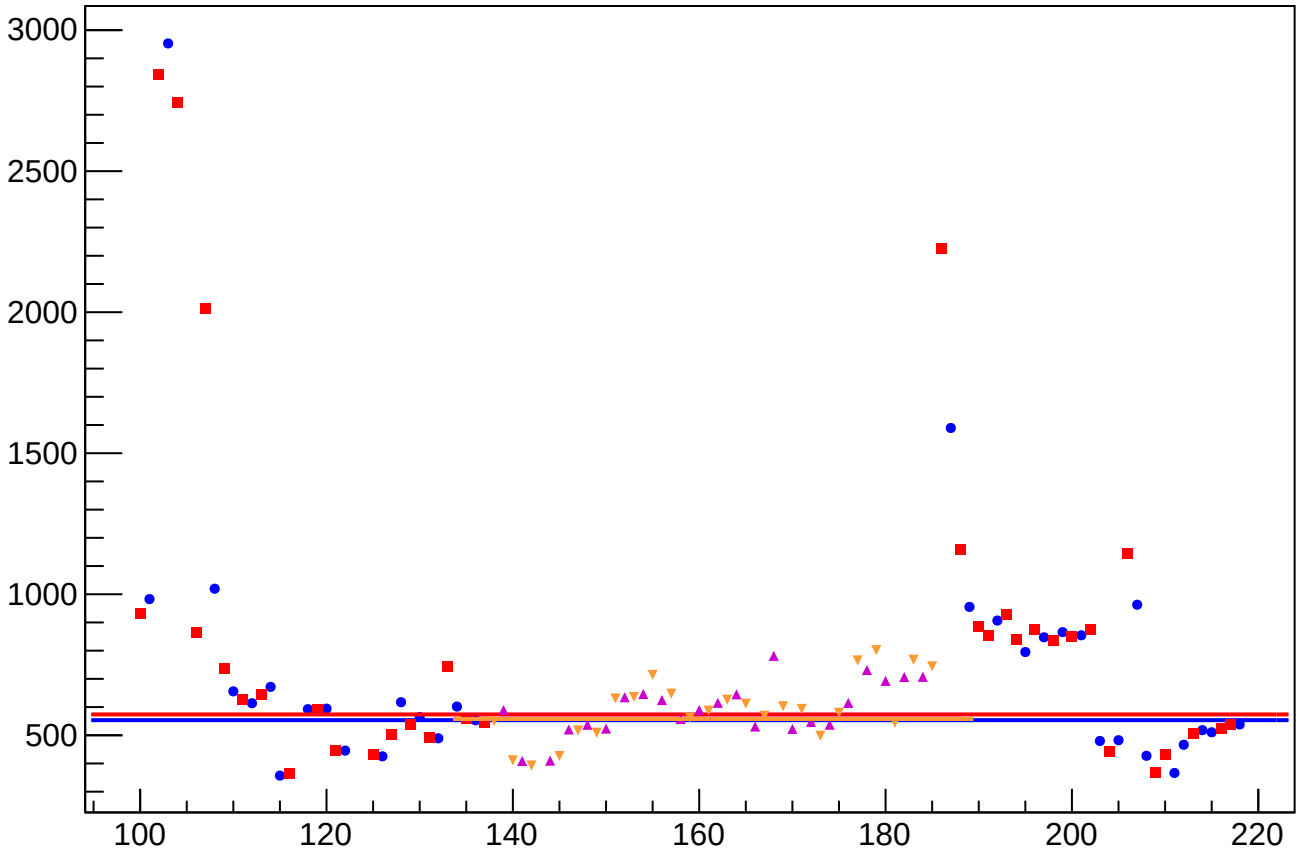
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 184.371+/-95.061 χ^2/NDF: 312.2/66

In: -356.558+/-93.328 χ^2/NDF:89.0/54

Out: 318.196+/-95.281 χ^2/NDF:295.7/58

All: -26.169+/-66.673 χ^2/NDF: 410.3/113



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: 573.834+/-0.097 χ^2/NDF: 5869559.7/34

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

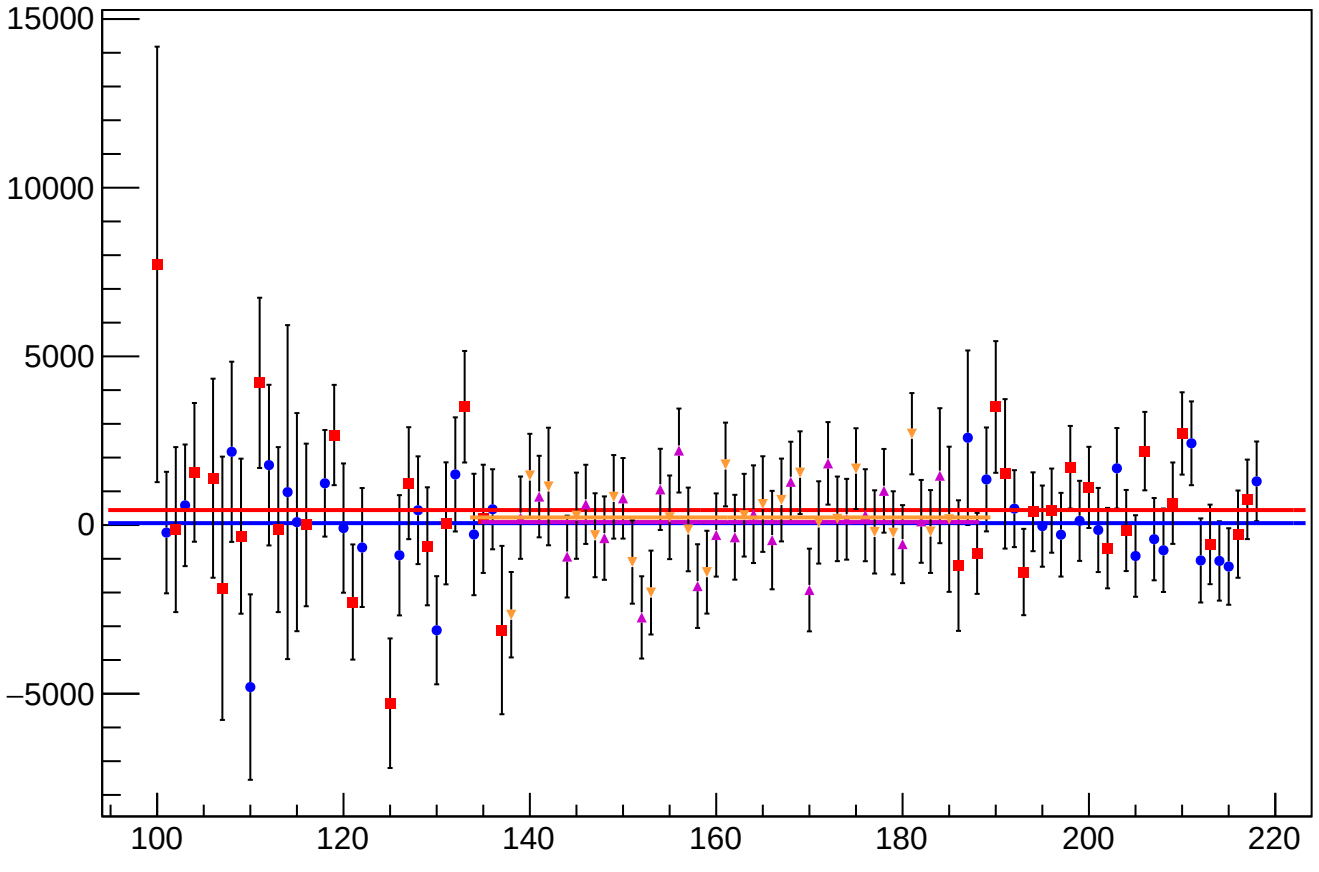
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 563.231+/-0.067 χ^2/NDF: 9802072.2/66

In: 555.960+/-0.066 χ^2/NDF:4938985.0/54

Out: 565.373+/-0.067 χ^2/NDF:7077334.3/58

All: 560.569+/-0.047 χ^2/NDF: 12026281.9/11



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: 444.113+/-261.962 χ^2/NDF: 40.4/34

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

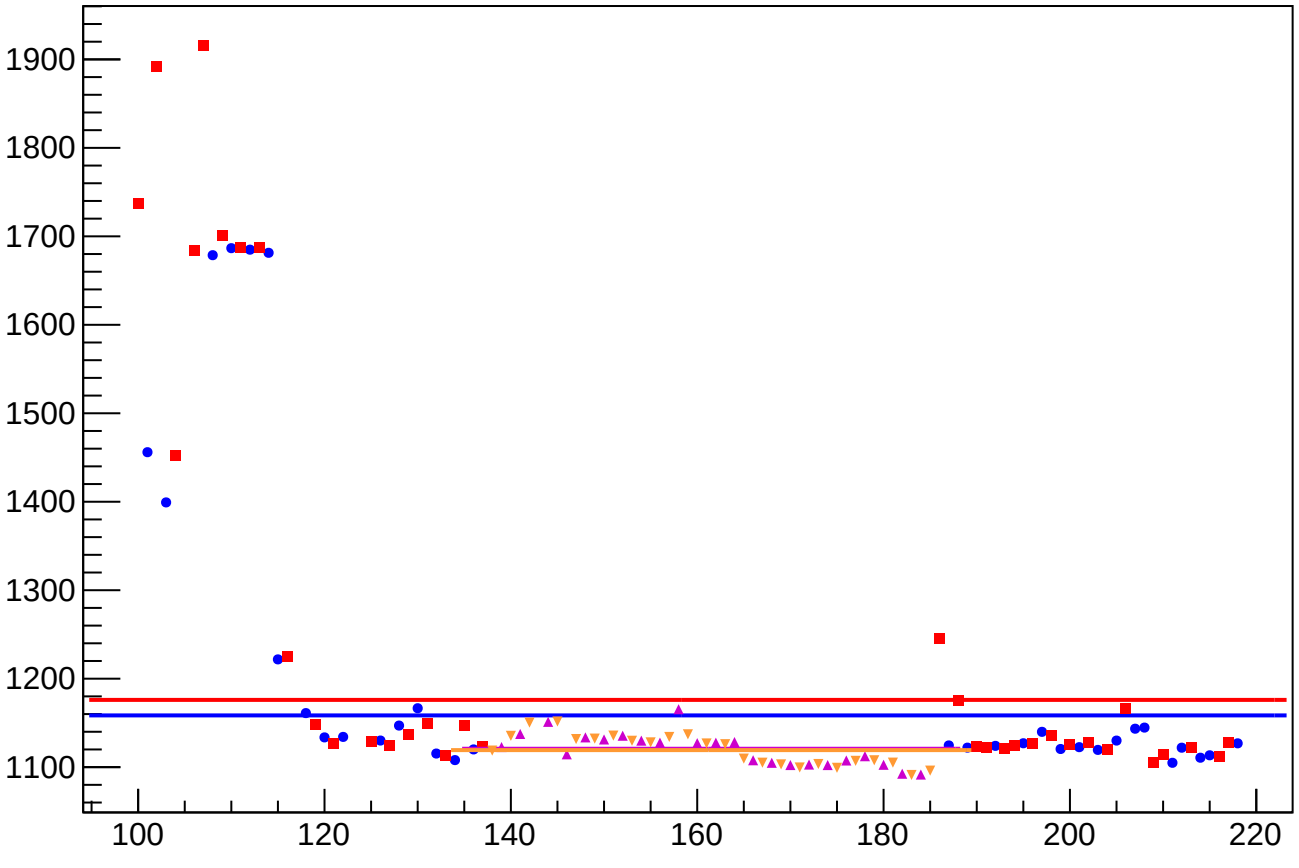
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 248.117+/-184.159 χ^2/NDF: 64.5/66

In: 72.671+/-184.074 χ^2/NDF:43.6/54

Out: 333.994+/-184.476 χ^2/NDF:62.9/58

All: 203.048+/-130.302 χ^2/NDF: 107.5/113



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: 1176.024+/-0.185 χ^2/NDF: 694213.0/34

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

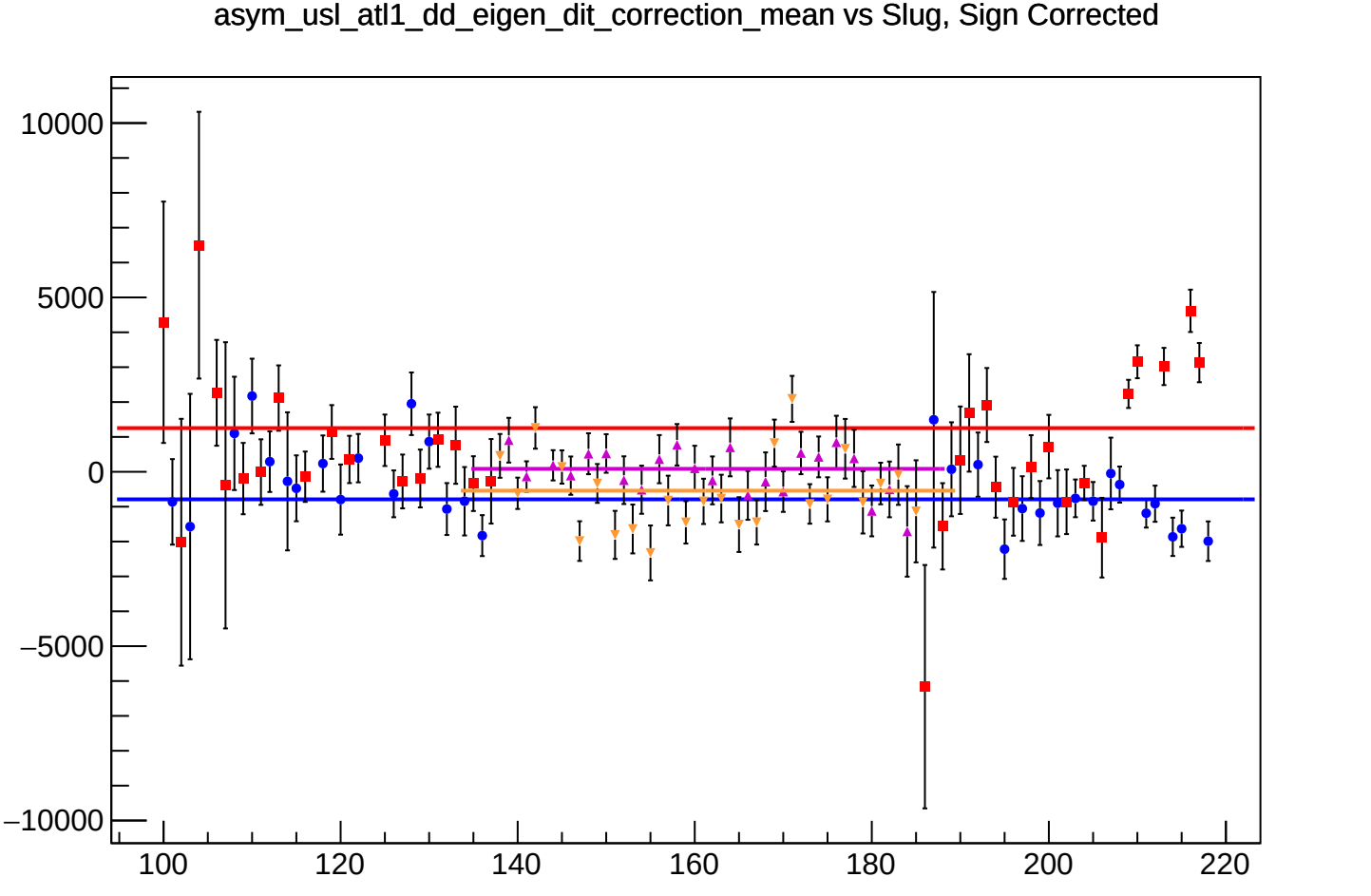
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1167.154+/-0.130 χ^2/NDF: 1091844.3/66

In: 1139.845+/-0.130 χ^2/NDF:423482.1/54

Out: 1147.409+/-0.130 χ^2/NDF:749696.8/58

All: 1143.619+/-0.092 χ^2/NDF: 1174863.9/11


asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
5000
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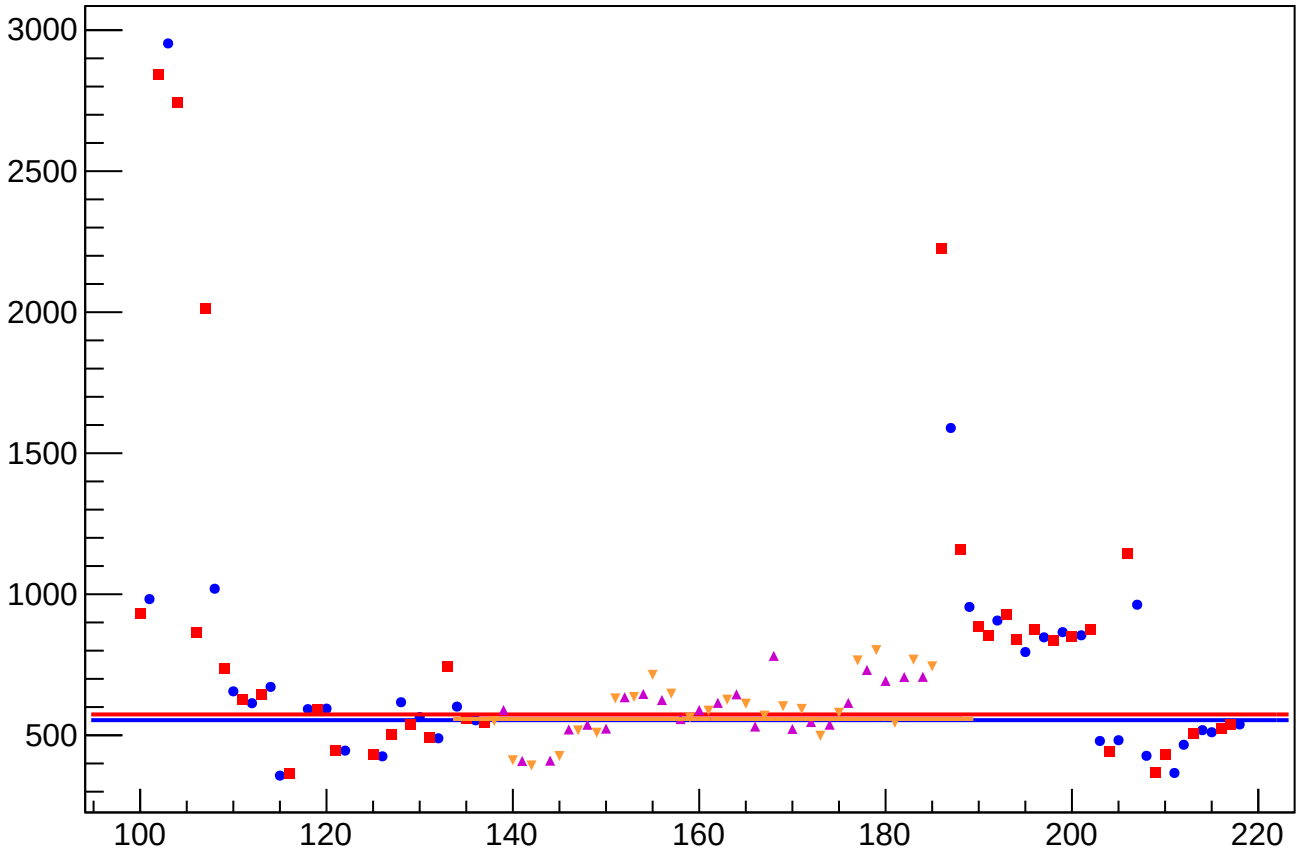
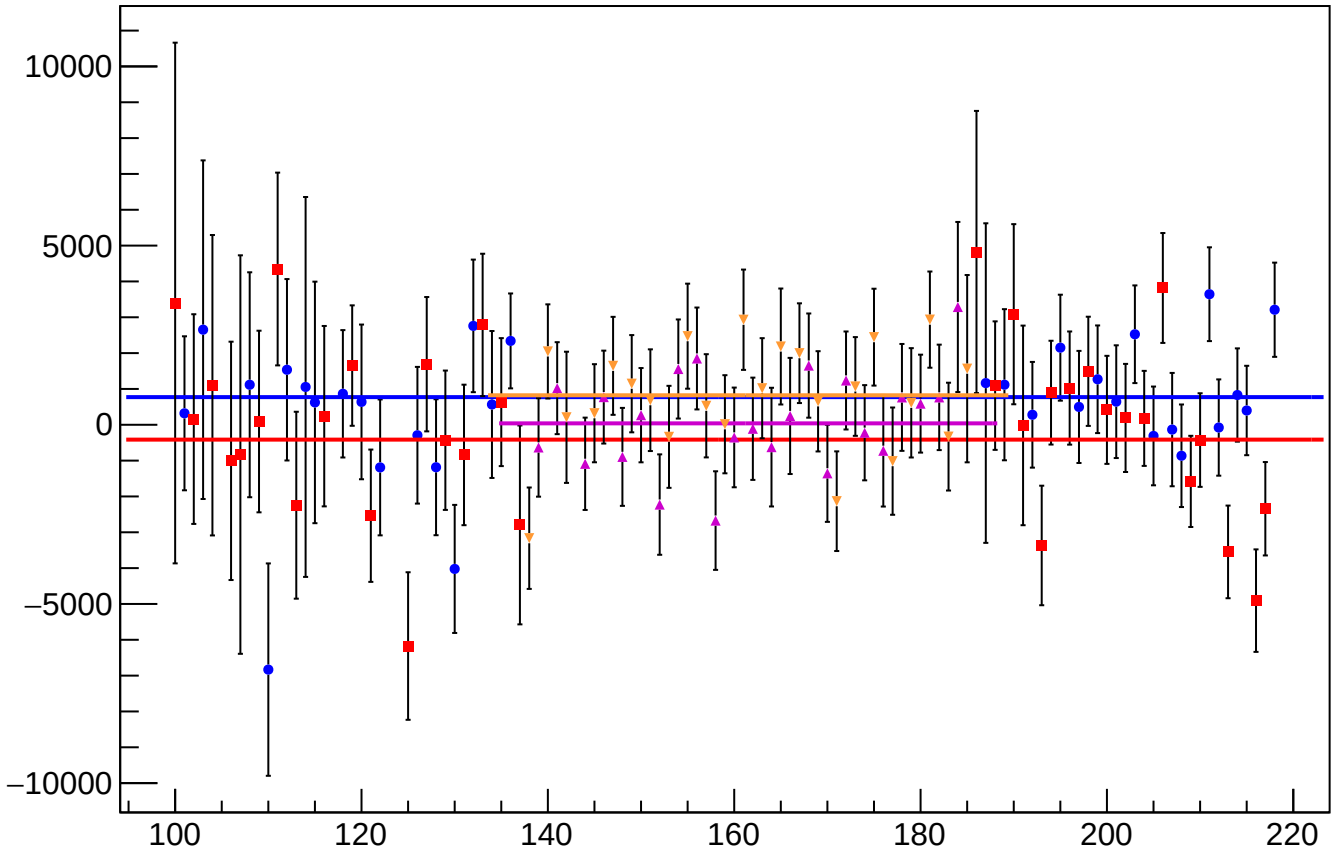
−5000
−10000
100
120
140
160
180
200
220
Right In: -789.829+/-131.429 χ²/NDF: 50.7/31
Left Out: -541.591+/-132.012 χ²/NDF:60.9/23
Right Out: 1253.156+/-137.662 χ²/NDF: 146.3/34
Left In: 84.122+/-132.548 χ²/NDF:16.4/22
Left: -230.004+/-93.535 χ²/NDF: 88.5/46
Right: 184.372+/-95.061 χ²/NDF: 312.2/66
In: -356.558+/-93.328 χ²/NDF:89.0/54
Out: 318.197+/-95.281 χ²/NDF:295.7/58
All: -26.169+/-66.672 χ²/NDF: 410.3/113


asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 553.567+/-0.093 χ²/NDF: 3909836.6/31
Left Out: 557.591+/-0.093 χ²/NDF:1193291.2/23
Right Out: 573.834+/-0.097 χ²/NDF: 5869568.1/34
Left In: 558.392+/-0.094 χ²/NDF:1027828.9/22
Left: 557.990+/-0.066 χ²/NDF: 2221156.8/46
Right: 563.231+/-0.067 χ²/NDF: 9802083.6/66
In: 555.959+/-0.066 χ²/NDF:4939002.3/54
Out: 565.372+/-0.067 χ²/NDF:7077364.3/58
All: 560.568+/-0.047 χ²/NDF: 12026329.2/11



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: -414.223+/-310.258 χ^2/NDF: 57.7/34

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

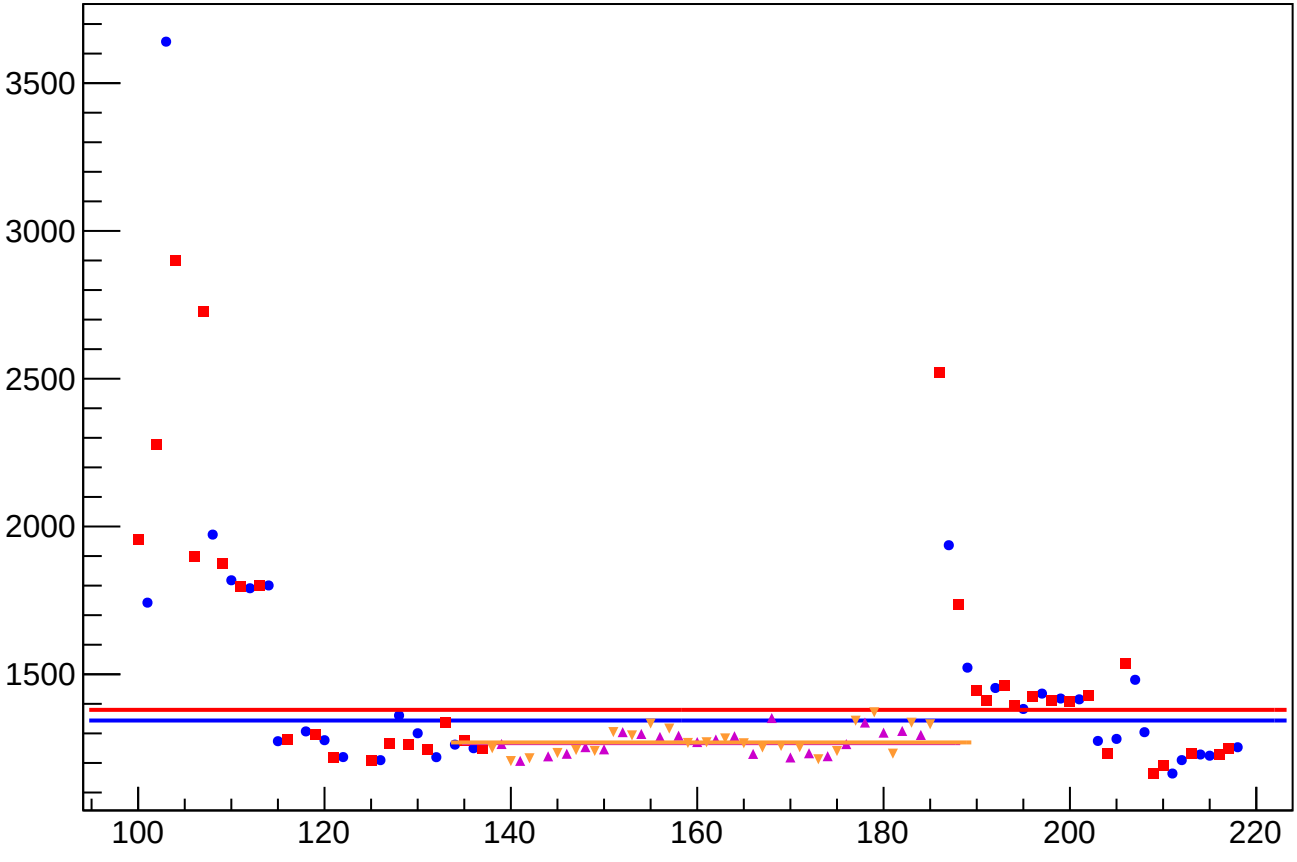
Right: 192.602+/-216.820 χ^2/NDF: 98.1/66

In: 397.073+/-211.780 χ^2/NDF:53.8/54

Out: 236.070+/-213.724 χ^2/NDF:92.3/58

All: 317.307+/-150.434 χ^2/NDF: 146.3/113

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: 1379.662+/-0.219 χ^2/NDF: 1350805.2/34

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

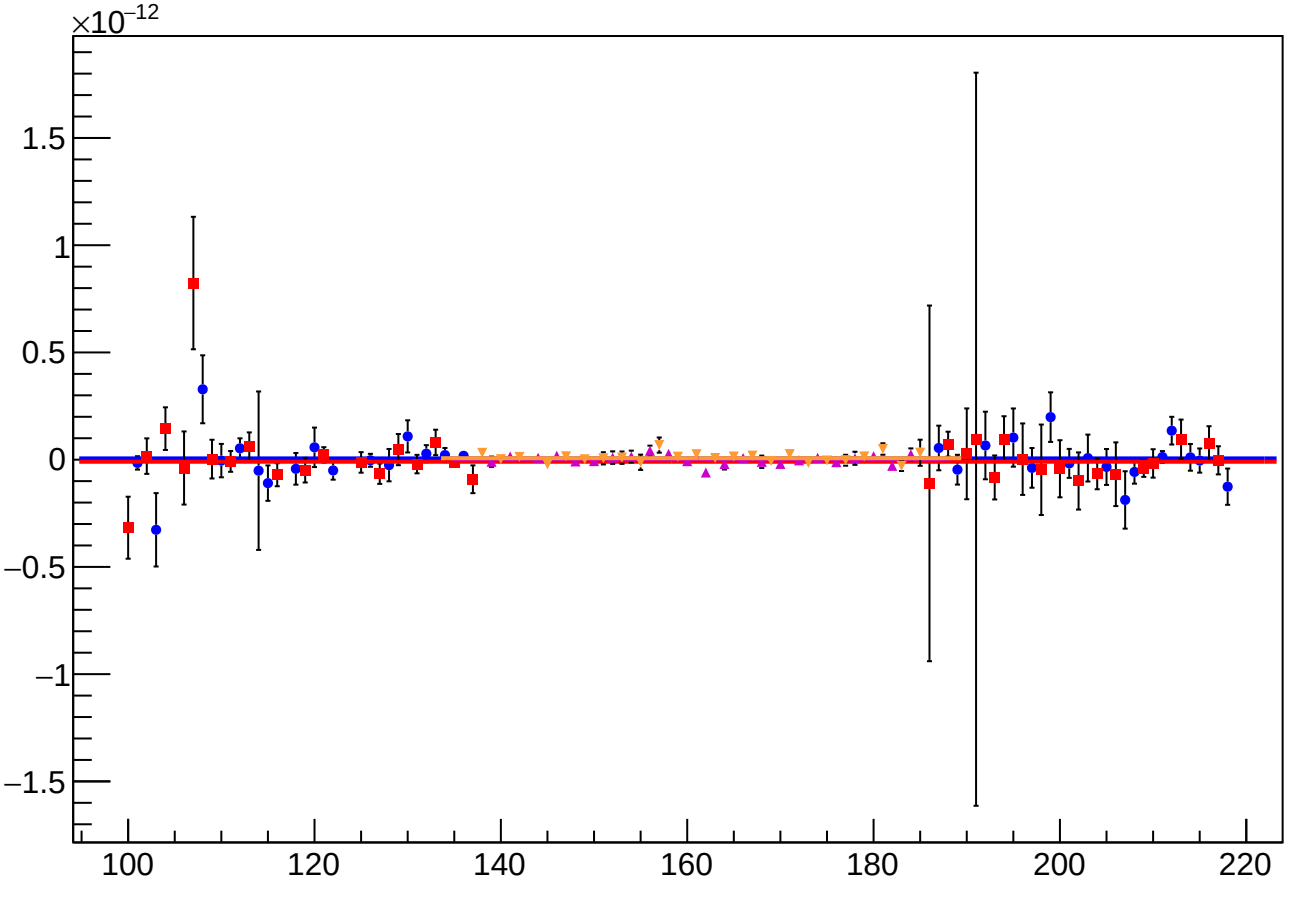
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1361.207+/-0.153 χ^2/NDF: 2365418.2/66

In: 1304.419+/-0.150 χ^2/NDF:1100573.7/54

Out: 1321.744+/-0.151 χ^2/NDF:1526484.0/58

All: 1313.002+/-0.106 χ^2/NDF: 2633689.0/11



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: 32.1/34

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

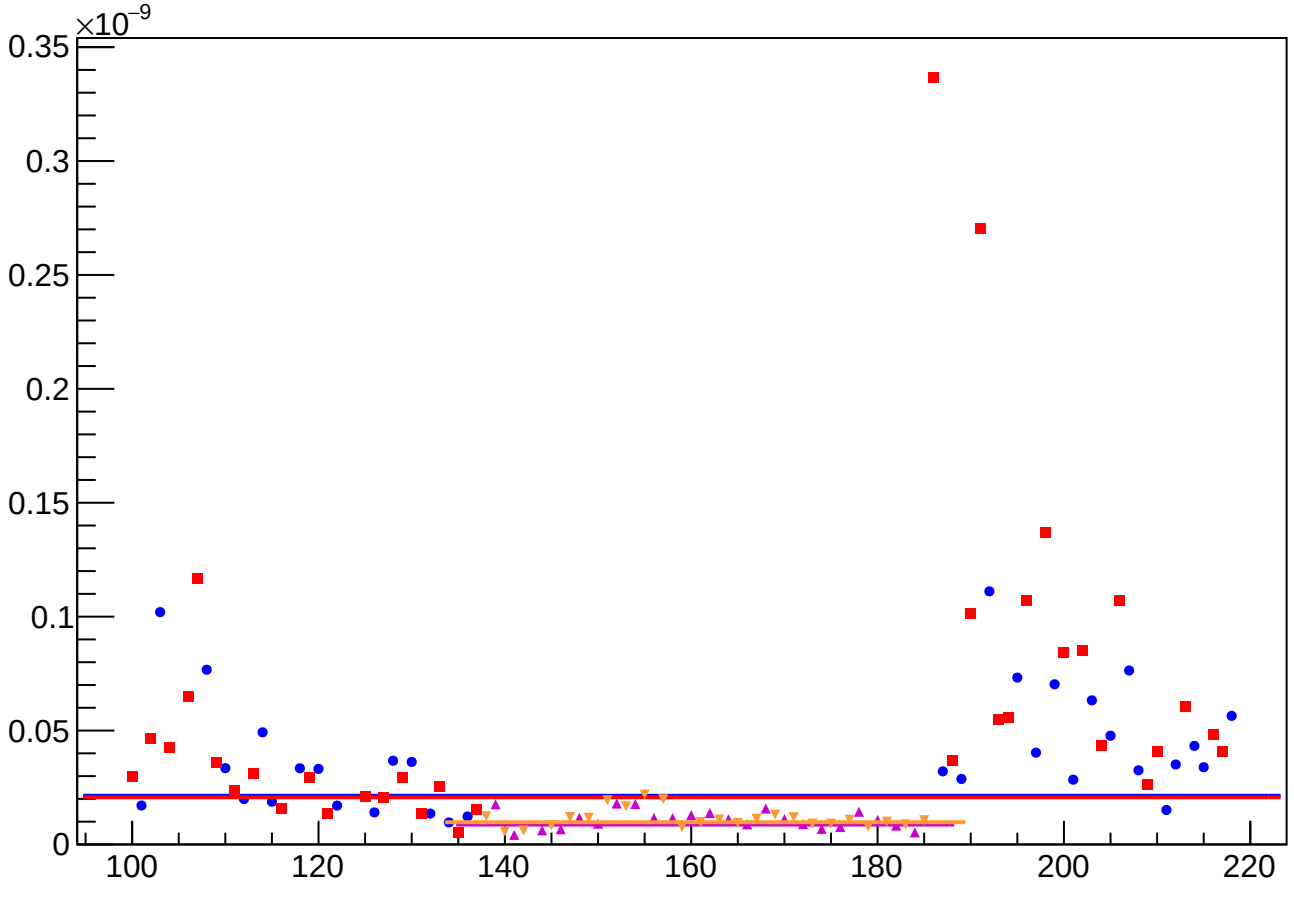
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 65.2/66

In: 0.000+/-0.000 χ^2/NDF:54.7/54

Out: 0.000+/-0.000 χ^2/NDF:54.5/58

All: 0.000+/-0.000 χ^2/NDF: 109.2/113



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: 8172014.0/34

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

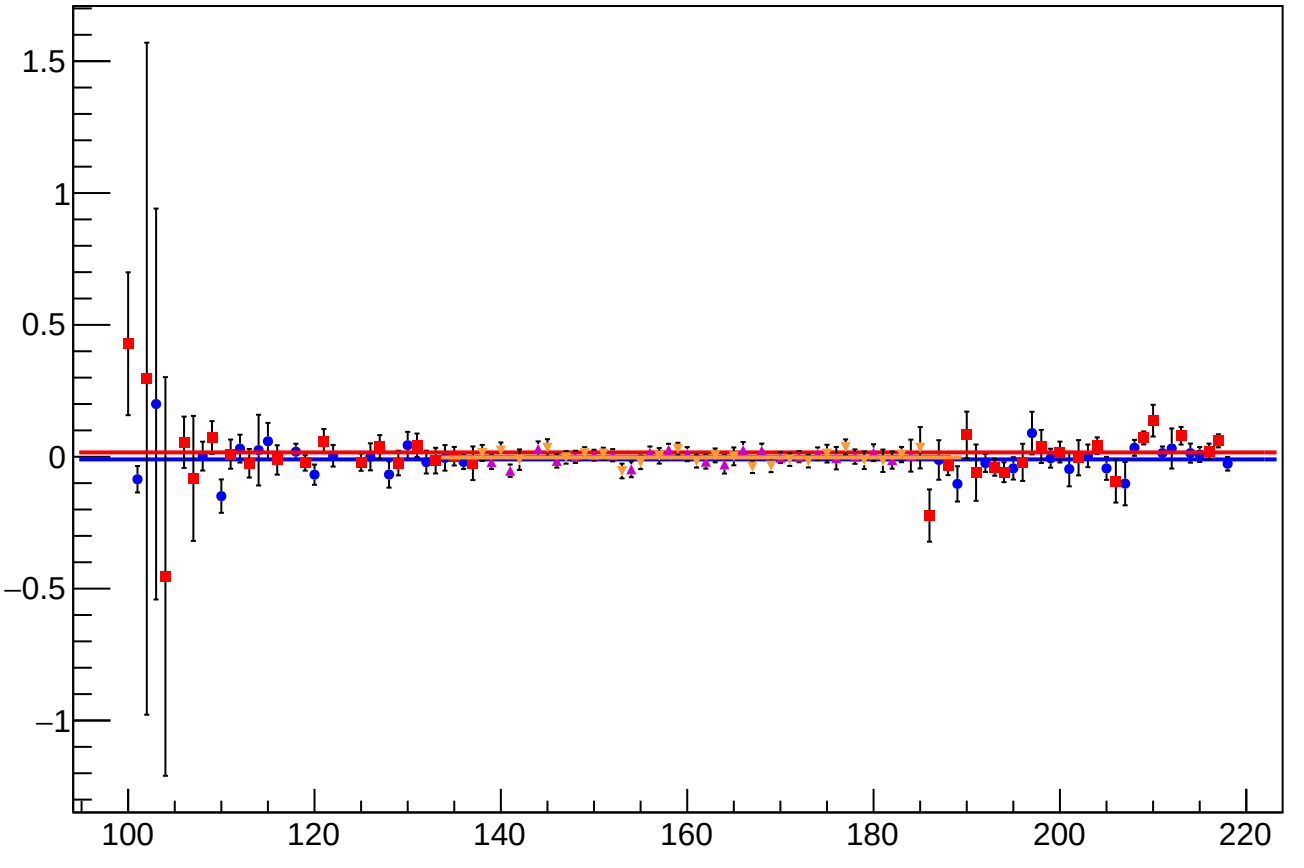
Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

Right: 0.000+/-0.000 χ^2/NDF: 13377017.9/66

In: 0.000+/-0.000 χ^2/NDF:10437415.0/54

Out: 0.000+/-0.000 χ^2/NDF:11833901.4/58

All: 0.000+/-0.000 χ^2/NDF: 22328271.4/113



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: 0.016+/-0.008 χ^2/NDF: 45.5/34

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

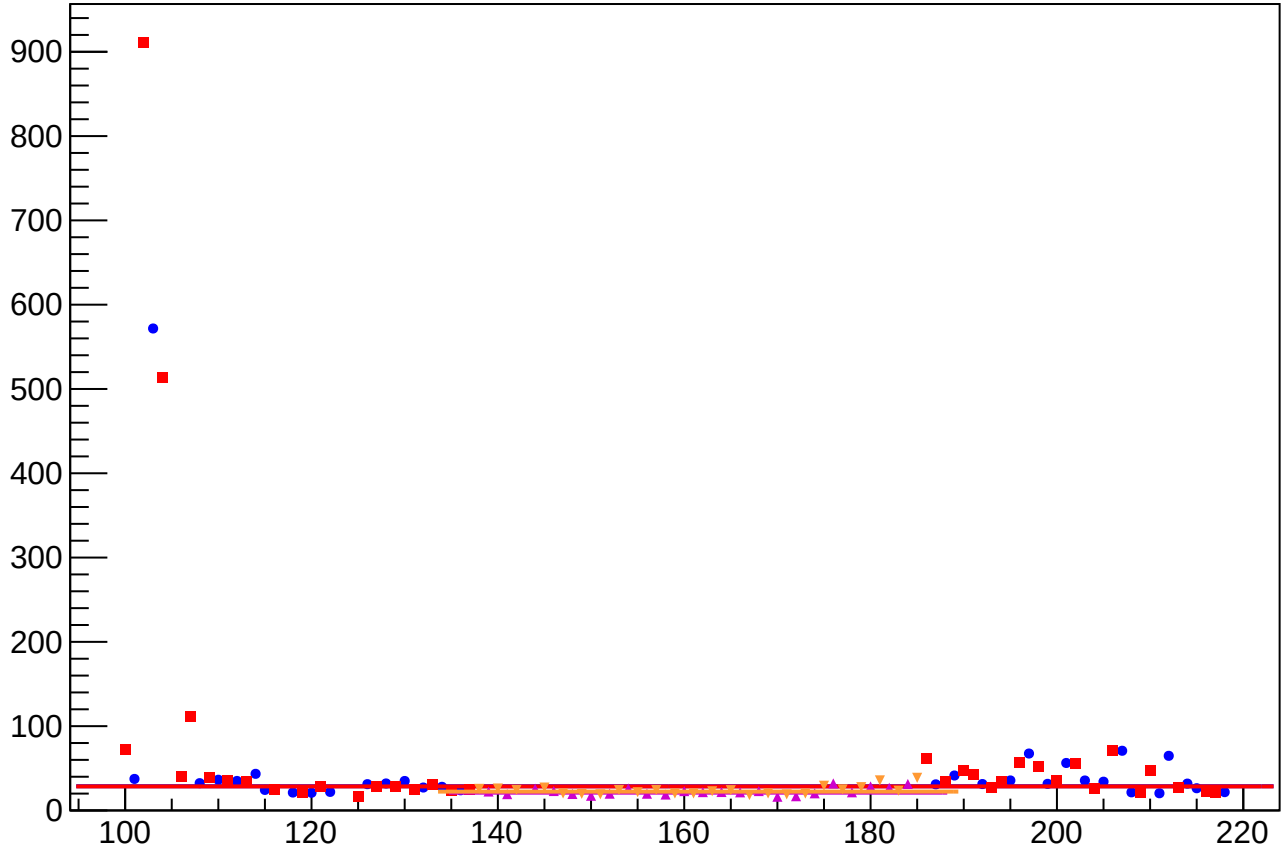
Right: 0.003+/-0.005 χ^2/NDF: 77.8/66

In: -0.004+/-0.004 χ^2/NDF:41.9/54

Out: 0.004+/-0.005 χ^2/NDF:66.0/58

All: 0.000+/-0.003 χ^2/NDF: 109.7/113

asym_usl_atl1_dd_dit_vs_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: 28.515+/-0.005 χ^2/NDF: 5333560.0/34

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

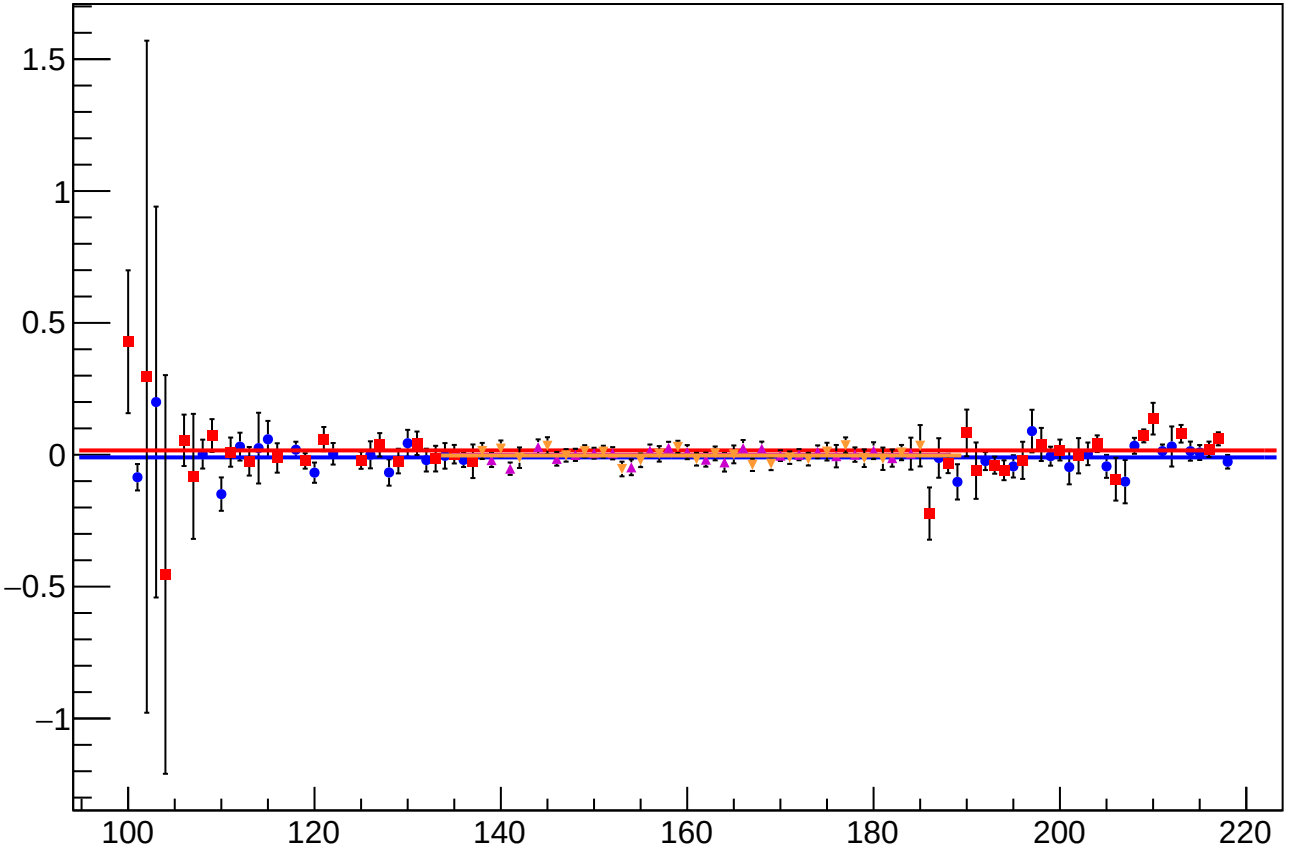
Right: 28.627+/-0.004 χ^2/NDF: 9467798.8/66

In: 23.775+/-0.003 χ^2/NDF:6320621.9/54

Out: 24.598+/-0.003 χ^2/NDF:7004664.6/58

All: 24.174+/-0.002 χ^2/NDF: 13359187.7/113

asym_usl_atl1_dd_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: 0.016+/-0.008 χ^2/NDF: 45.5/34

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

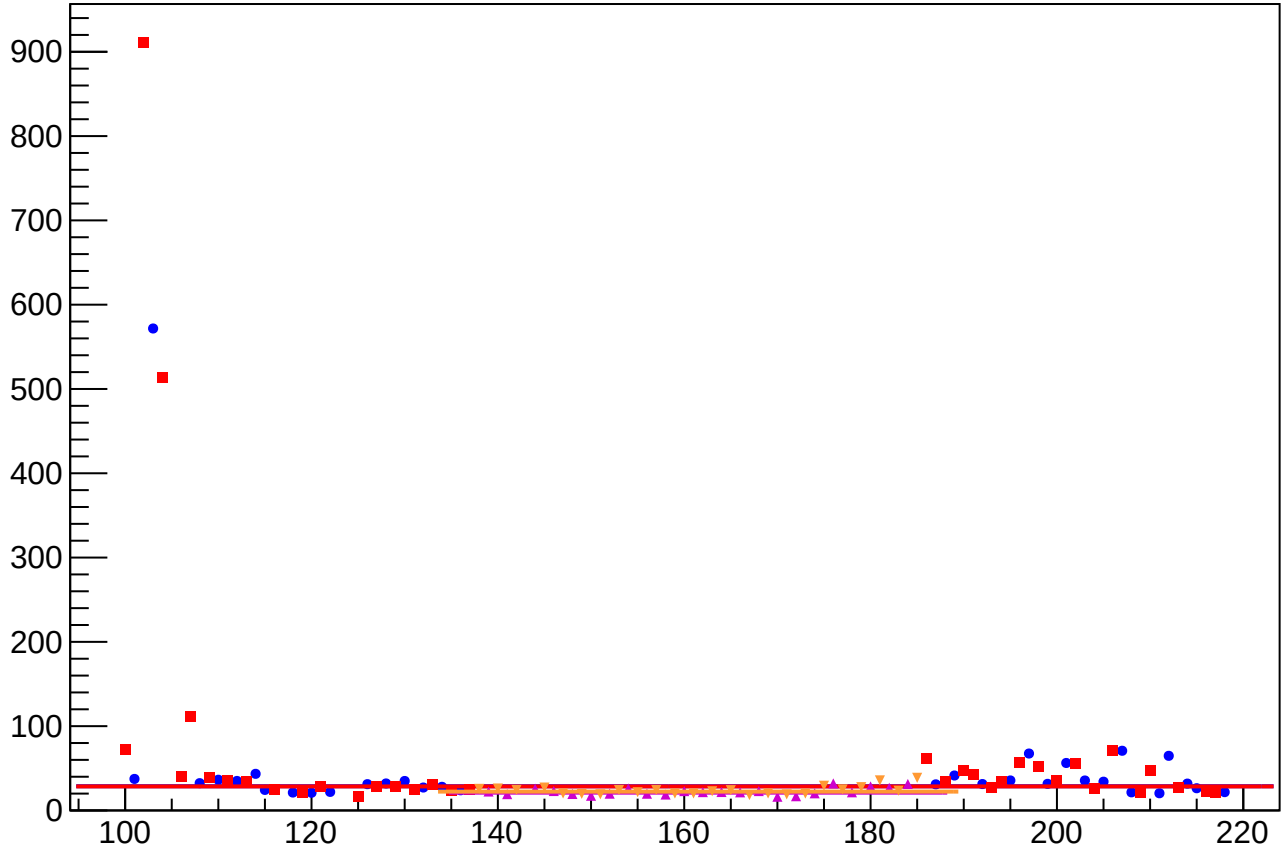
Right: 0.003+/-0.005 χ^2/NDF: 77.8/66

In: -0.004+/-0.004 χ^2/NDF:41.9/54

Out: 0.004+/-0.005 χ^2/NDF:66.0/58

All: 0.000+/-0.003 χ^2/NDF: 109.7/113

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: 28.515+/-0.005 χ^2/NDF: 5333560.0/34

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

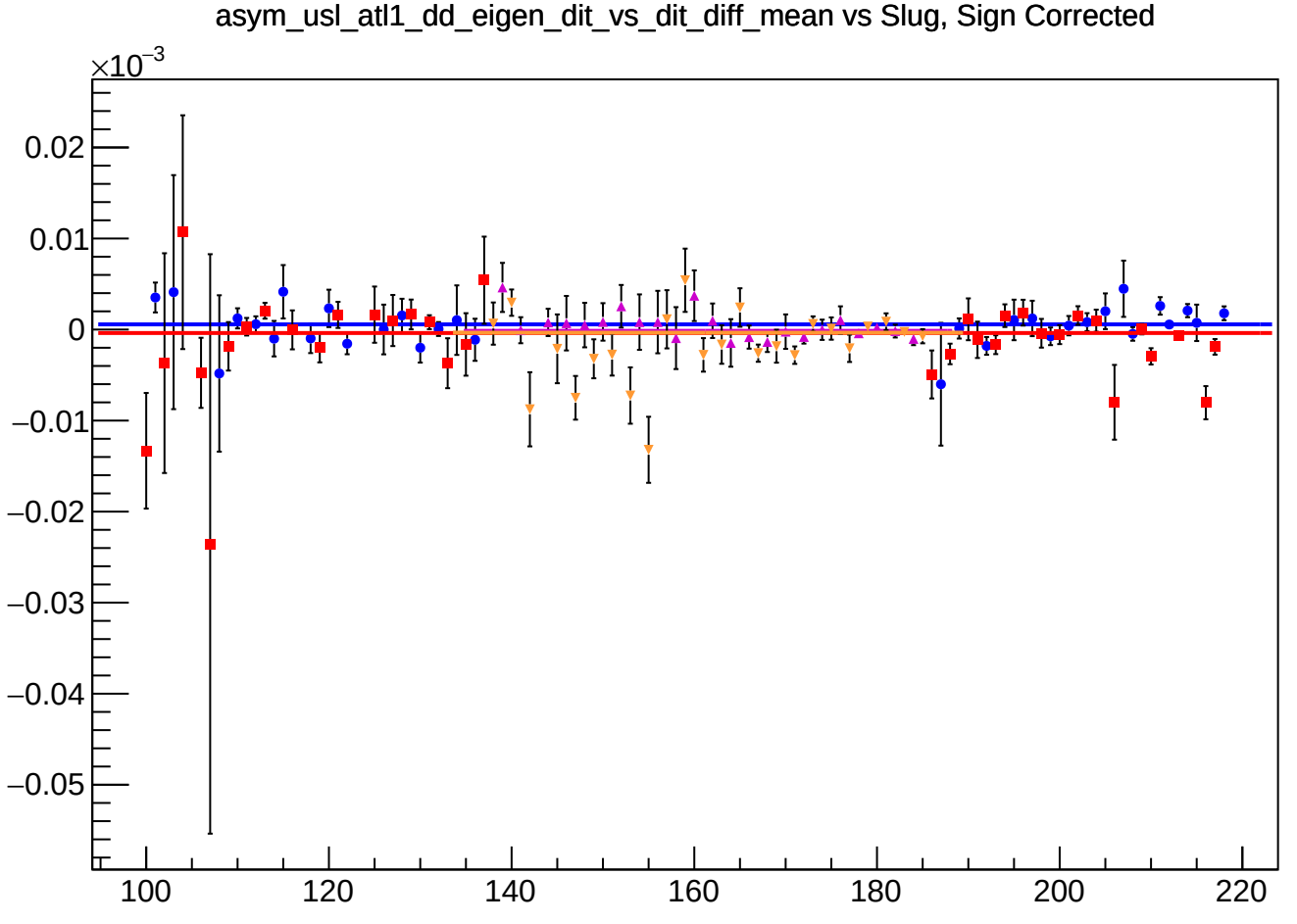
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 28.627+/-0.004 χ^2/NDF: 9467798.8/66

In: 23.775+/-0.003 χ^2/NDF:6320621.9/54

Out: 24.598+/-0.003 χ^2/NDF:7004664.6/58

All: 24.174+/-0.002 χ^2/NDF: 13359187.7/113



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: 78.2/34

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

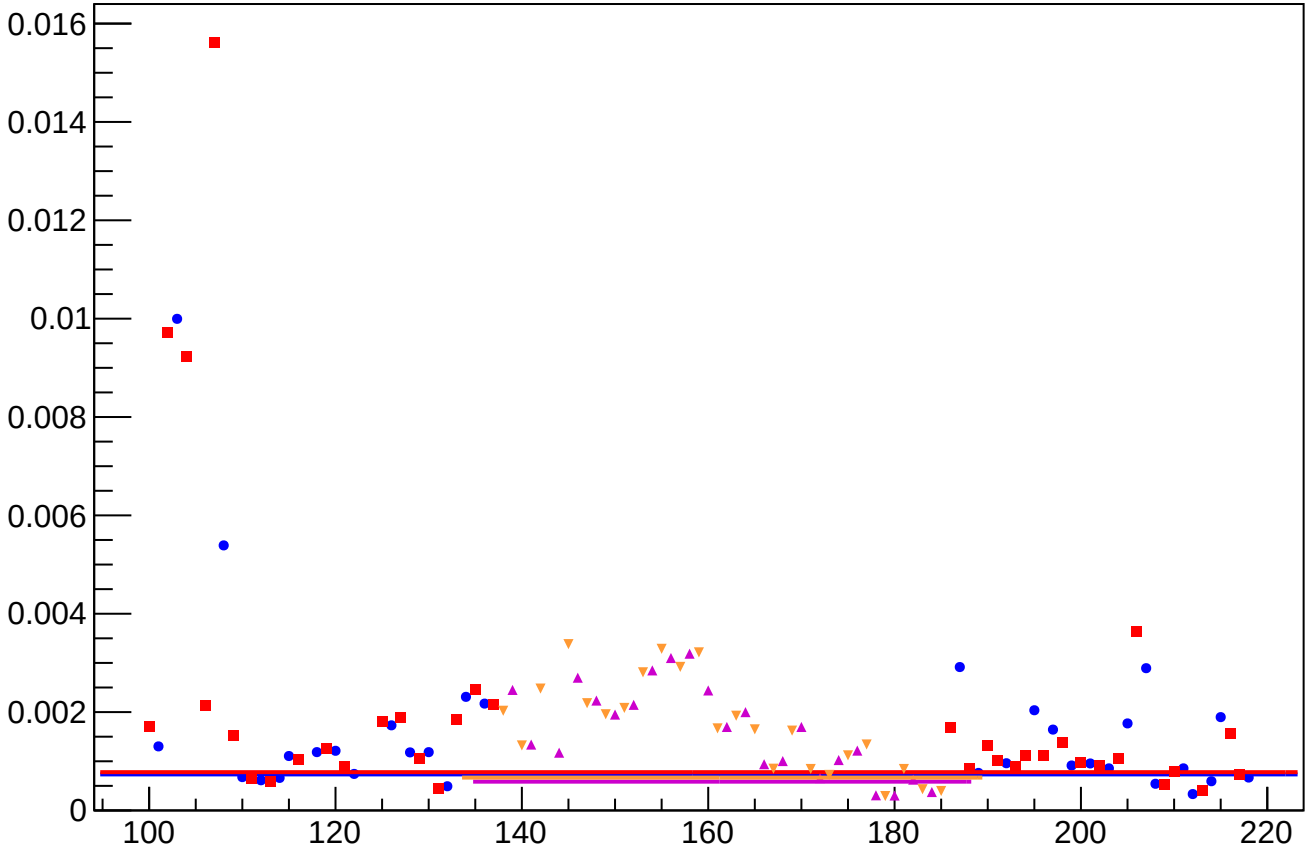
Right: 0.000+/-0.000 χ^2/NDF: 128.5/66

In: 0.000+/-0.000 χ^2/NDF:60.5/54

Out: -0.000+/-0.000 χ^2/NDF:146.3/58

All: -0.000+/-0.000 χ^2/NDF: 214.5/113

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: 9189087.7/34

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

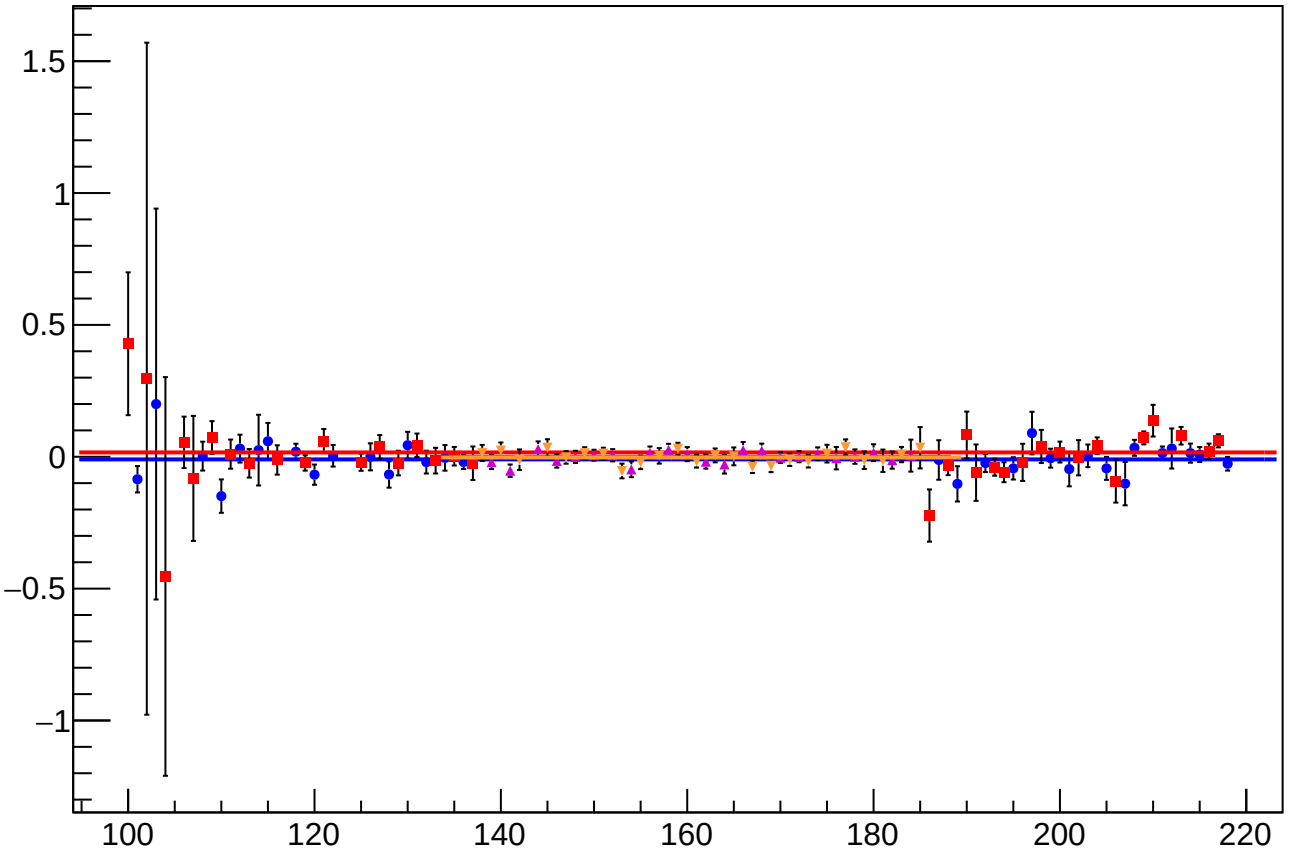
Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

Right: 0.001+/-0.000 χ^2/NDF: 19314003.5/66

In: 0.001+/-0.000 χ^2/NDF:26318066.9/54

Out: 0.001+/-0.000 χ^2/NDF:24848500.0/58

All: 0.001+/-0.000 χ^2/NDF: 51391670.6/113



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: 0.016+/-0.008 χ^2/NDF: 45.5/34

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

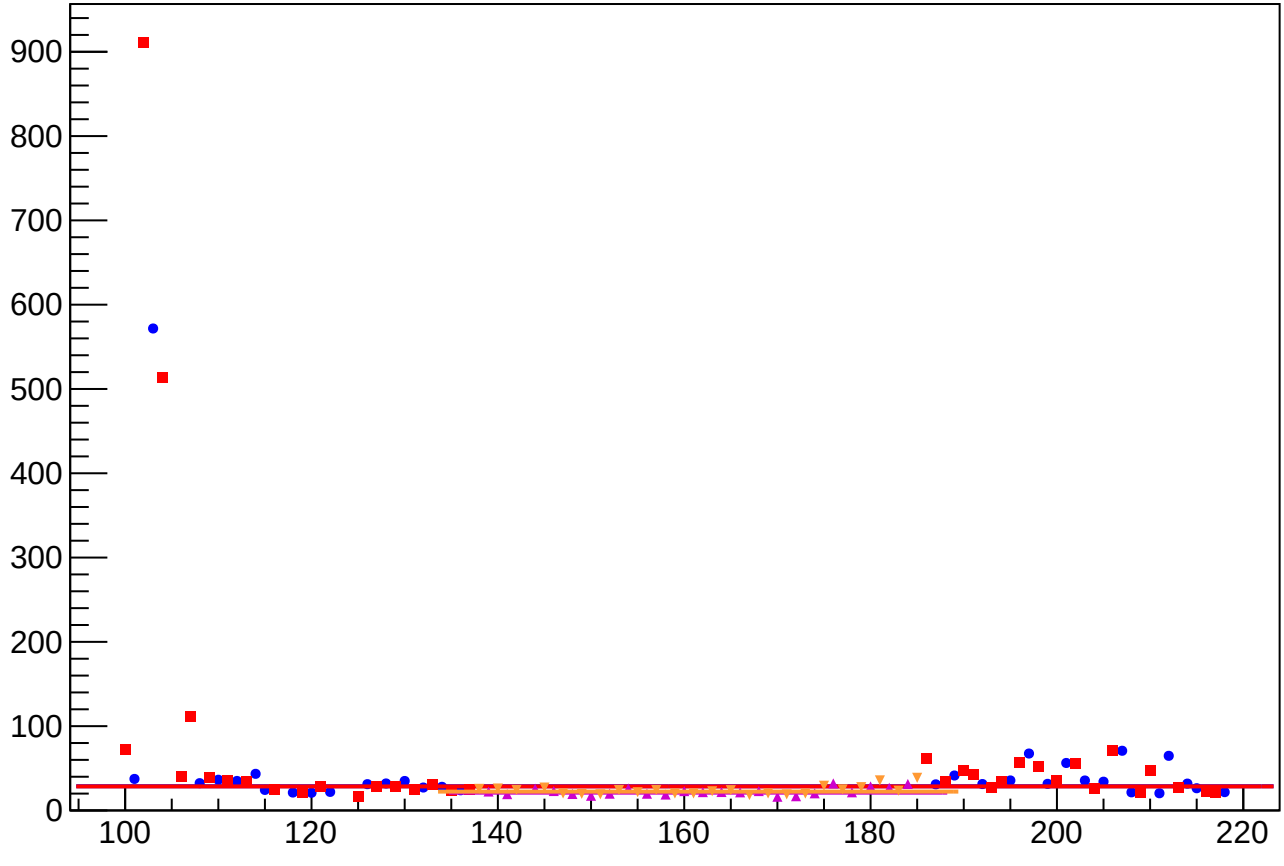
Right: 0.003+/-0.005 χ^2/NDF: 77.8/66

In: -0.004+/-0.004 χ^2/NDF:41.9/54

Out: 0.004+/-0.005 χ^2/NDF:66.0/58

All: 0.000+/-0.003 χ^2/NDF: 109.7/113

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: 28.515+/-0.005 χ^2/NDF: 5333650.6/34

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

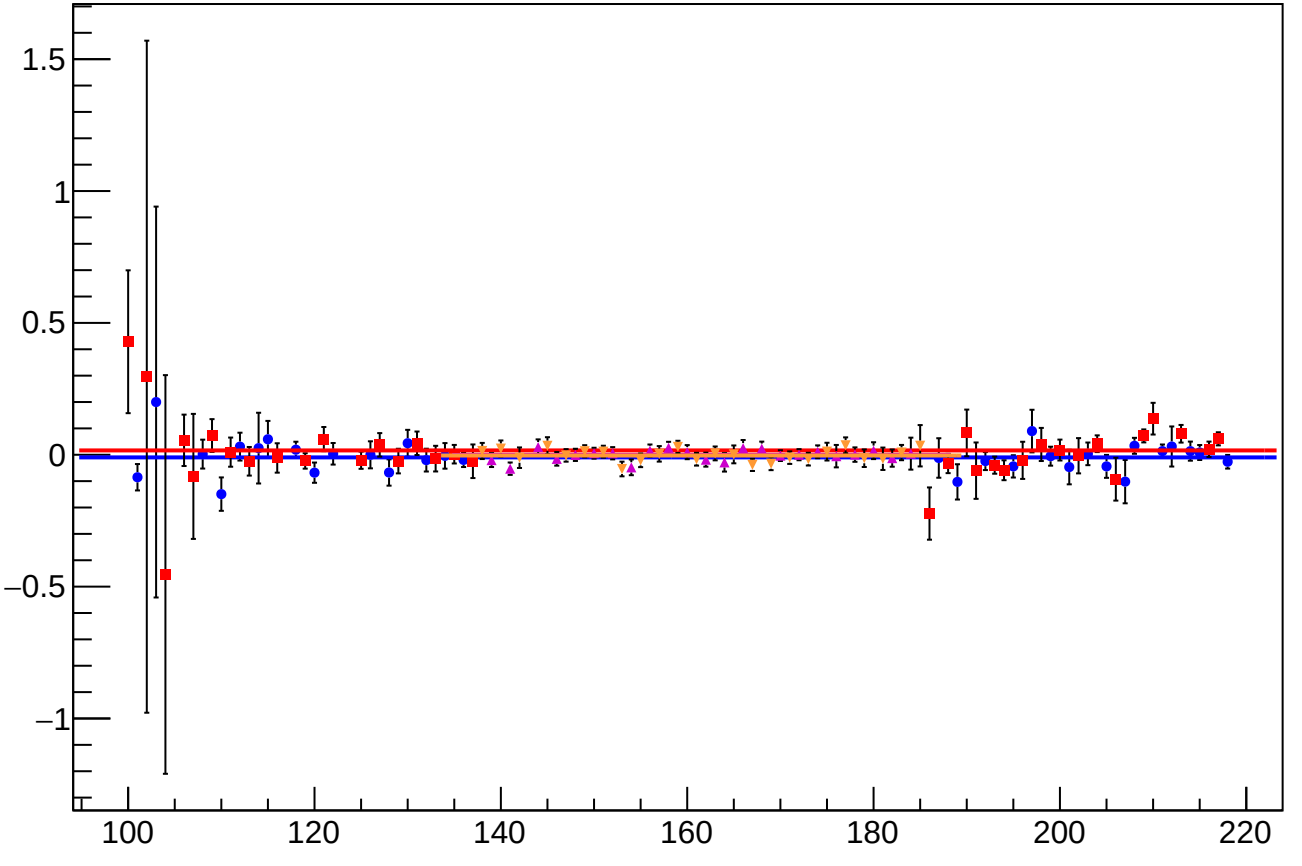
Right: 28.627+/-0.004 χ^2/NDF: 9467932.1/66

In: 23.775+/-0.003 χ^2/NDF:6320706.8/54

Out: 24.598+/-0.003 χ^2/NDF:7004732.2/58

All: 24.174+/-0.002 χ^2/NDF: 13359336.6/113

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: 0.016+/-0.008 χ^2/NDF: 45.5/34

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

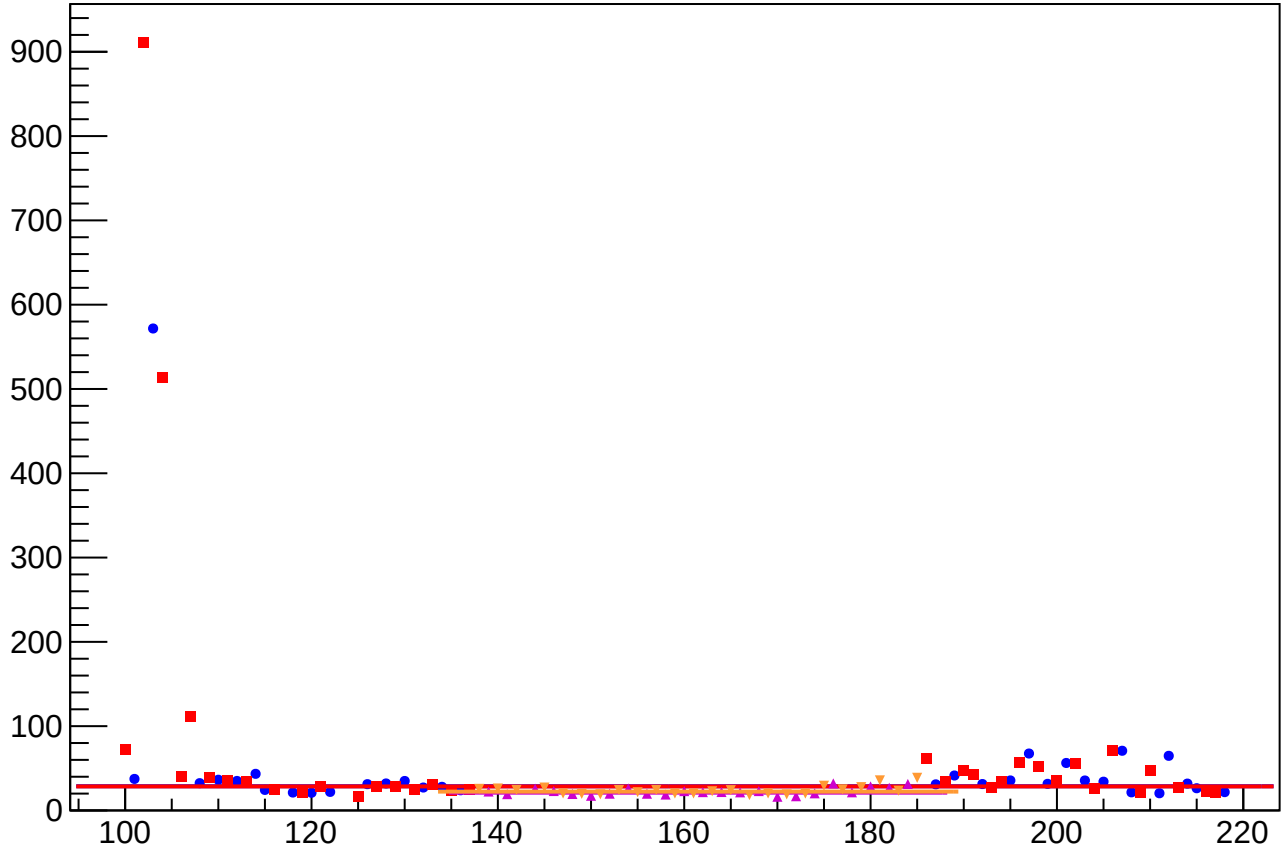
Right: 0.003+/-0.005 χ^2/NDF: 77.8/66

In: -0.004+/-0.004 χ^2/NDF:41.9/54

Out: 0.004+/-0.005 χ^2/NDF:66.0/58

All: 0.000+/-0.003 χ^2/NDF: 109.7/113

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: 28.515+/-0.005 χ^2/NDF: 5333650.6/34

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

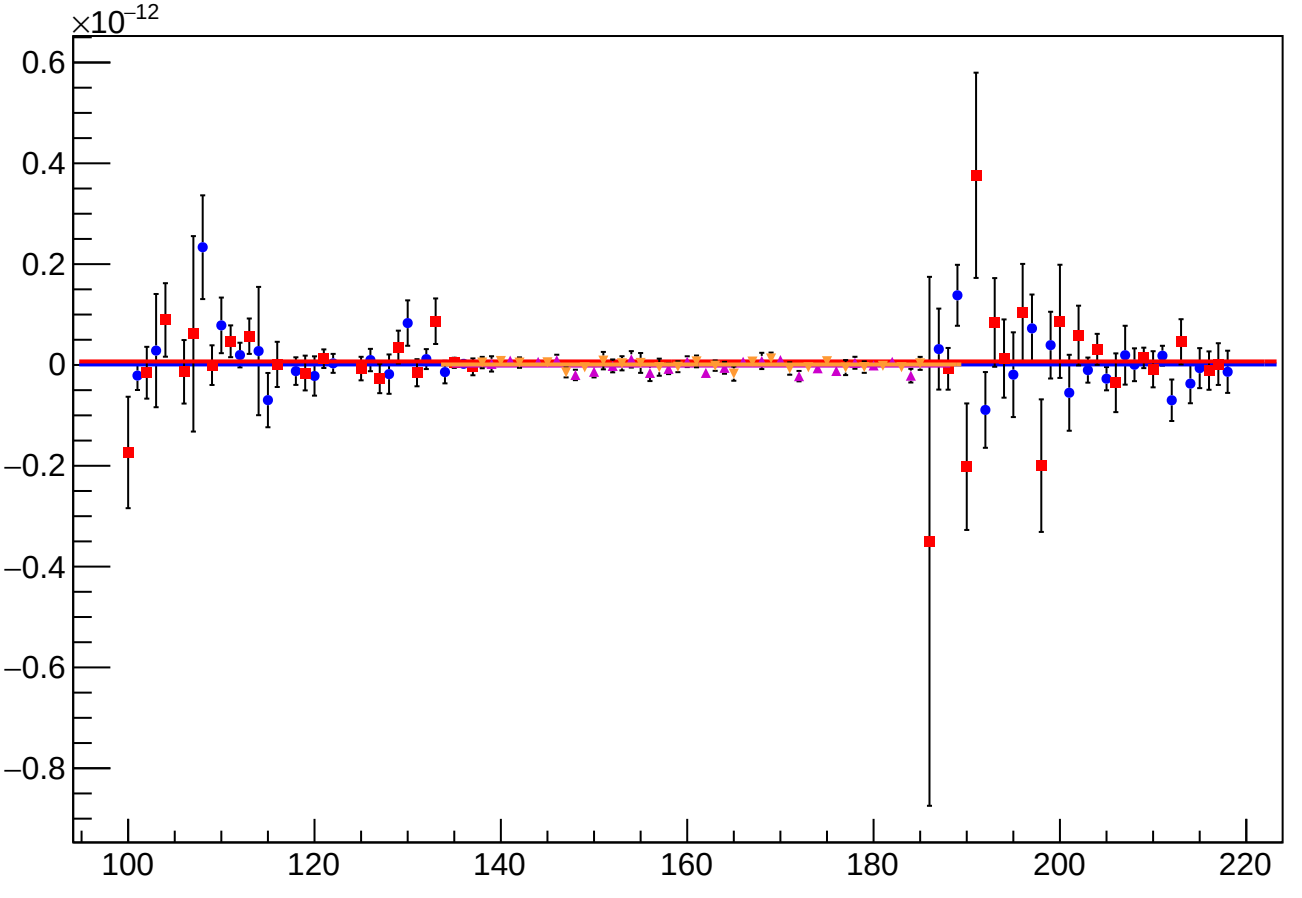
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 28.627+/-0.004 χ^2/NDF: 9467932.1/66

In: 23.775+/-0.003 χ^2/NDF:6320706.8/54

Out: 24.598+/-0.003 χ^2/NDF:7004732.2/58

All: 24.174+/-0.002 χ^2/NDF: 13359336.6/113



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: 29.9/34

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

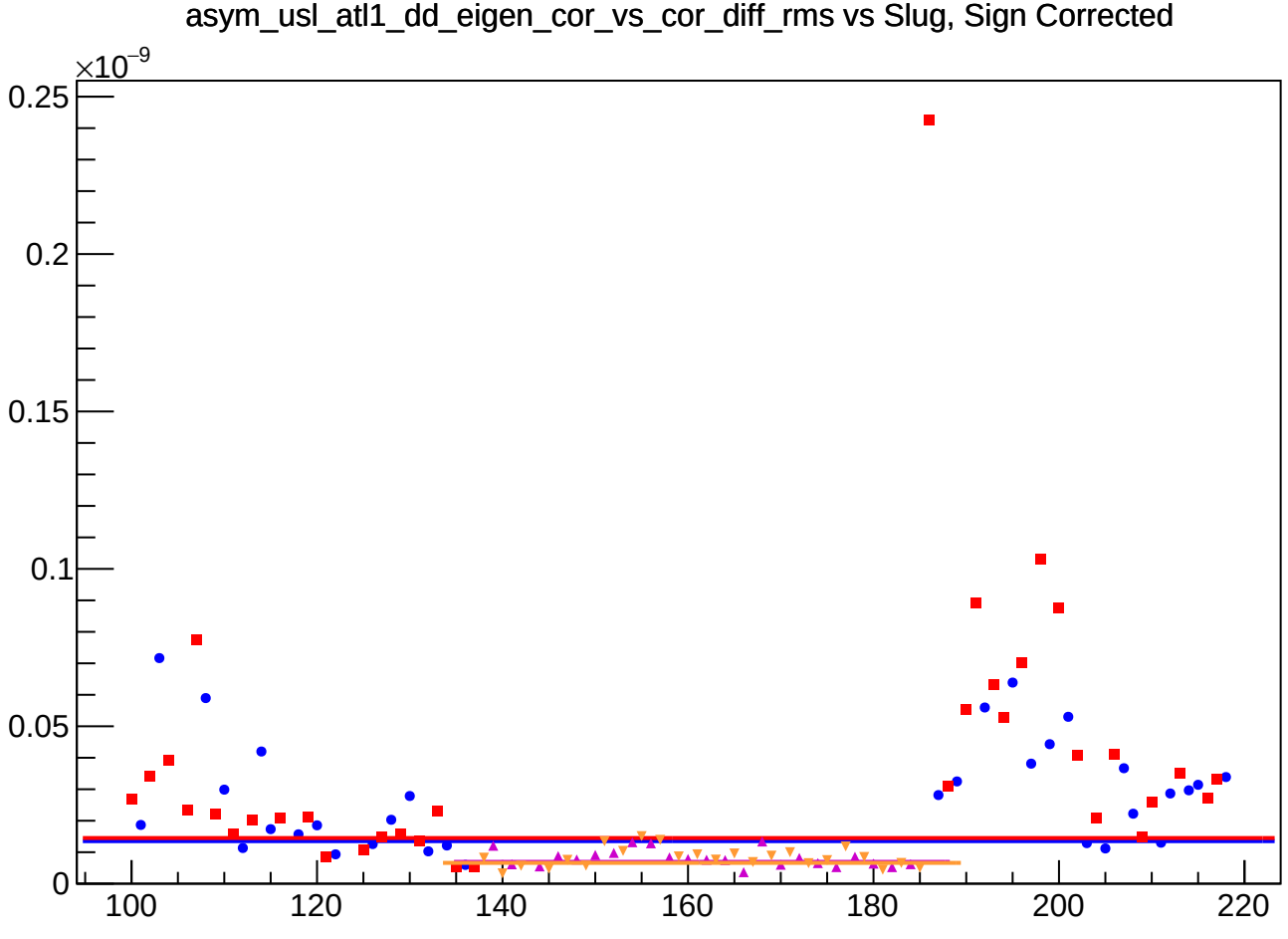
Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

Right: 0.000+/-0.000 χ^2/NDF: 61.3/66

In: -0.000+/-0.000 χ^2/NDF:56.6/54

Out: 0.000+/-0.000 χ^2/NDF:42.6/58

All: 0.000+/-0.000 χ^2/NDF: 100.2/113



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: 10459921.7/34

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

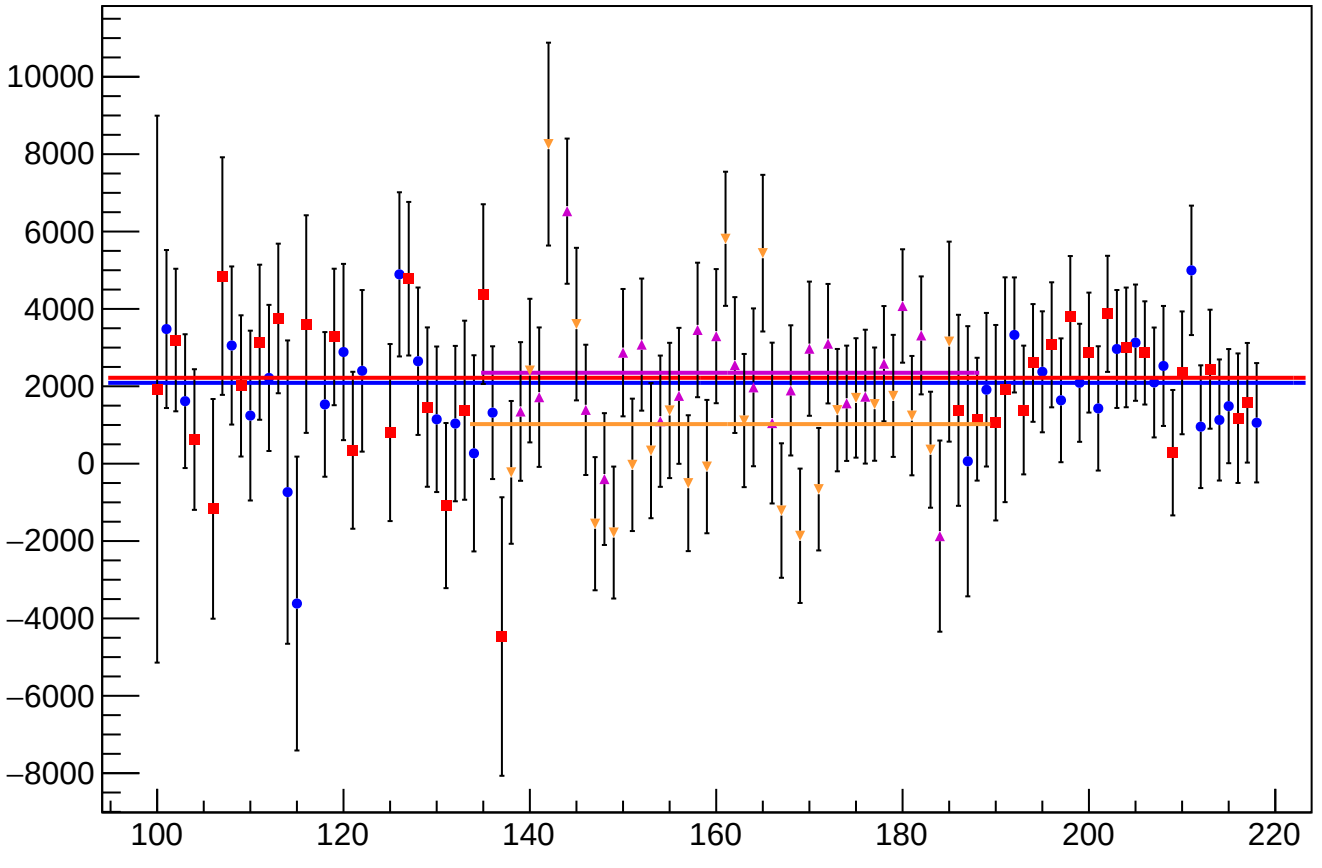
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 18702201.2/66

In: 0.000+/-0.000 χ^2/NDF:13580235.7/54

Out: 0.000+/-0.000 χ^2/NDF:17730804.5/58

All: 0.000+/-0.000 χ^2/NDF: 31344561.7/113



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: 2219.860+/-317.271 χ^2/NDF: 20.8/34

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

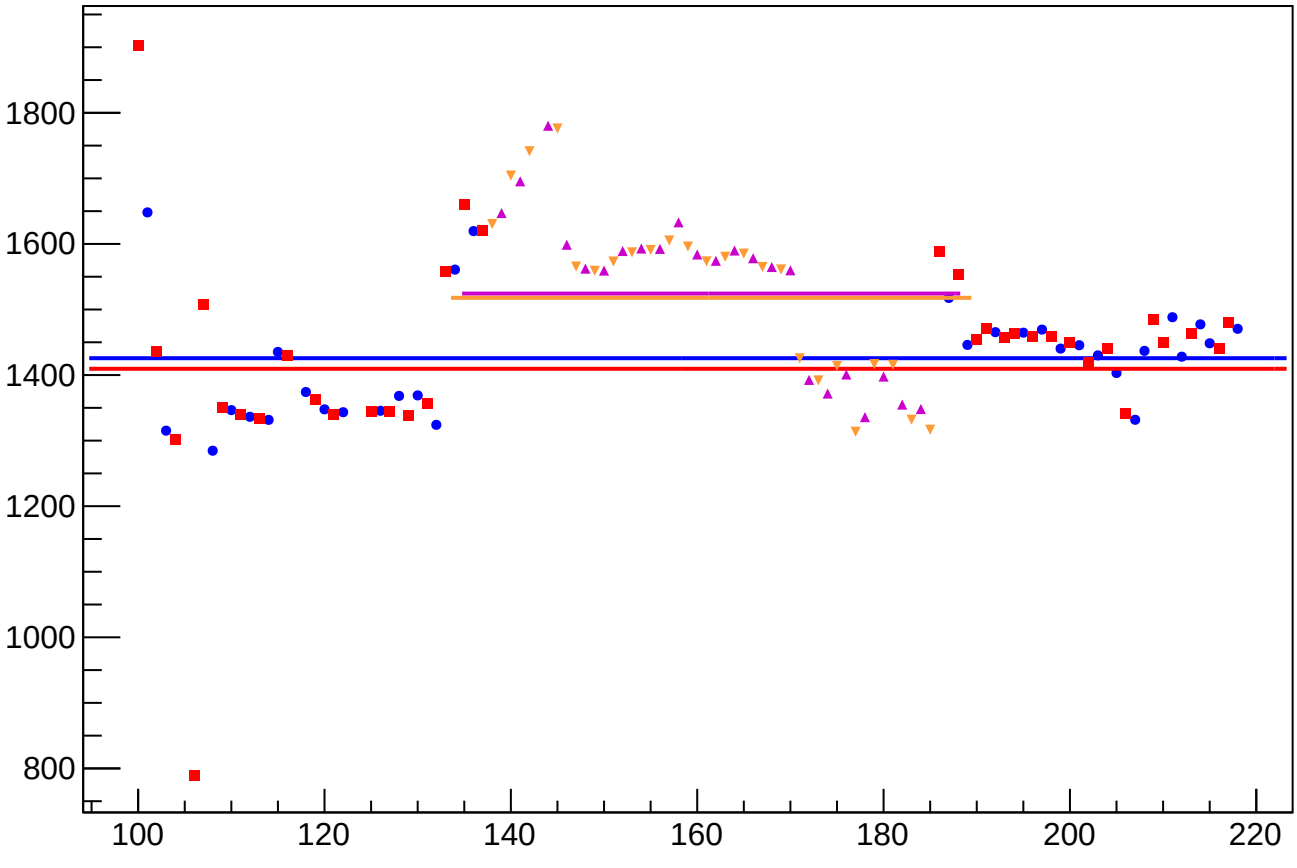
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 2154.608+/-224.542 χ^2/NDF: 34.6/66

In: 2204.088+/-237.405 χ^2/NDF:30.0/54

Out: 1685.640+/-236.105 χ^2/NDF:63.6/58

All: 1943.441+/-167.409 χ^2/NDF: 96.0/113



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: 1409.565+/-0.222 χ^2/NDF: 414818.6/34

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

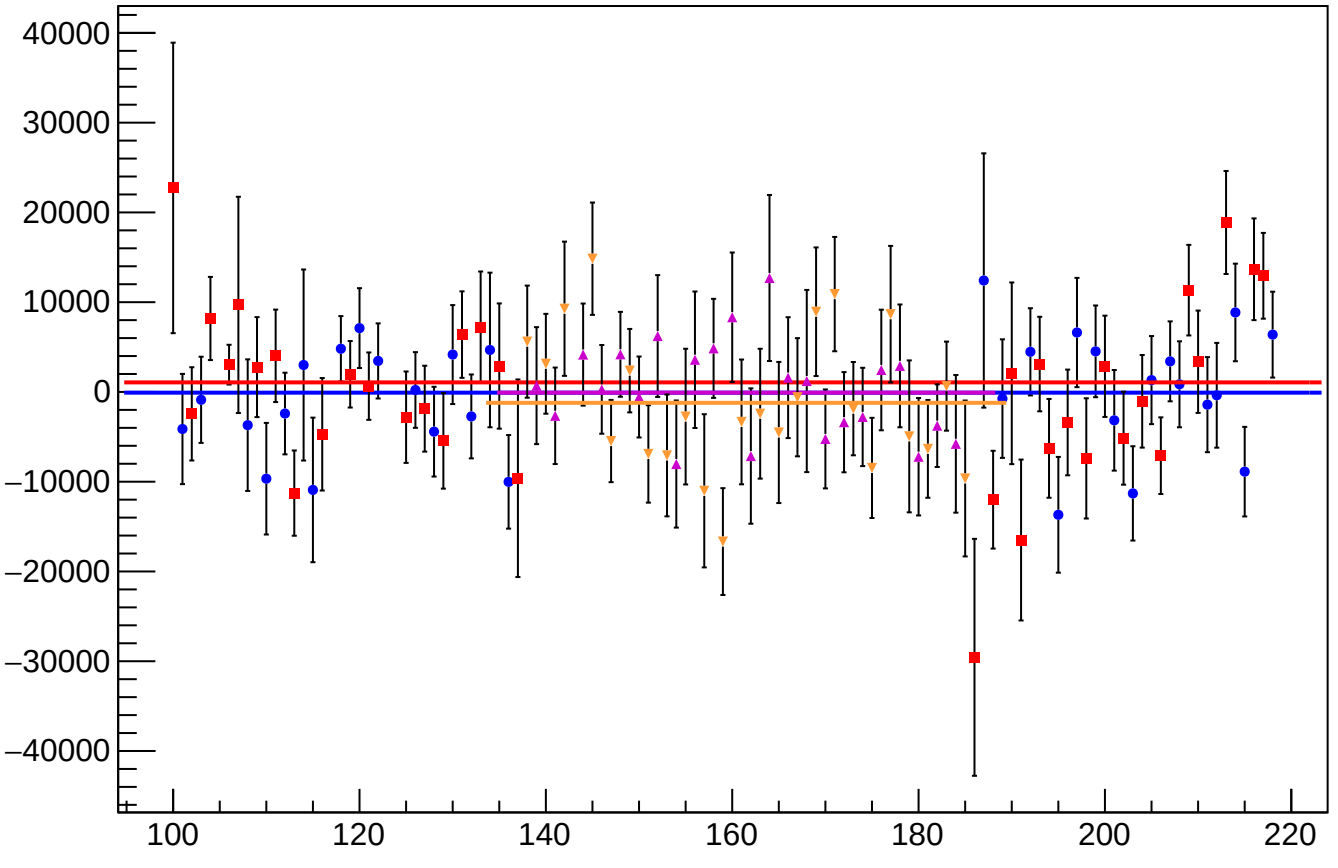
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1417.533+/-0.158 χ^2/NDF: 539625.4/66

In: 1469.307+/-0.168 χ^2/NDF:431576.3/54

Out: 1457.221+/-0.166 χ^2/NDF:753782.3/58

All: 1463.190+/-0.118 χ^2/NDF: 1187982.1/11



Right In: -79.968+/-935.968 χ^2/NDF: 37.4/31

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 1064.302+/-871.812 χ^2/NDF: 69.2/34

Left In: -80.780+/-1264.327 χ^2/NDF:13.2/22

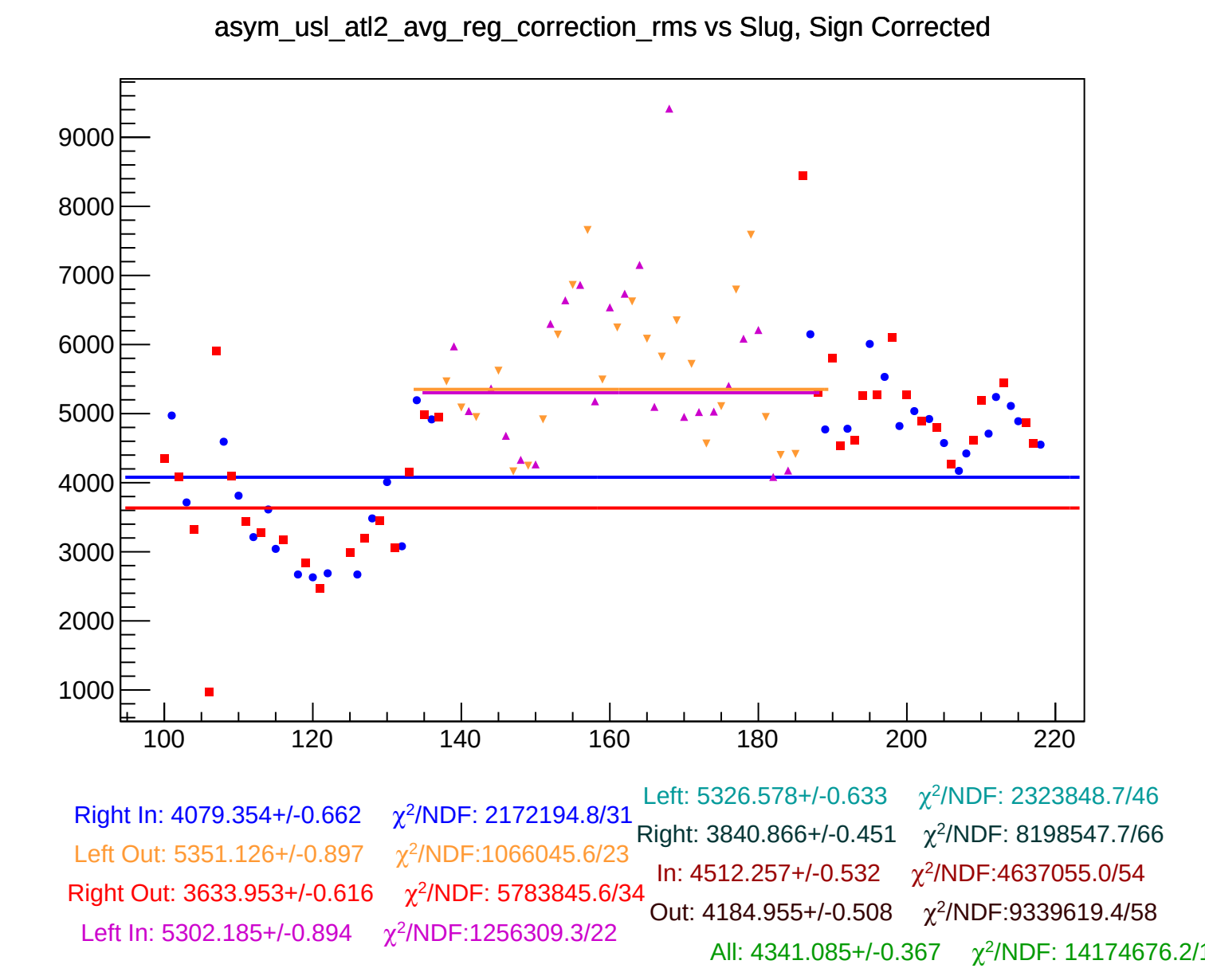
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

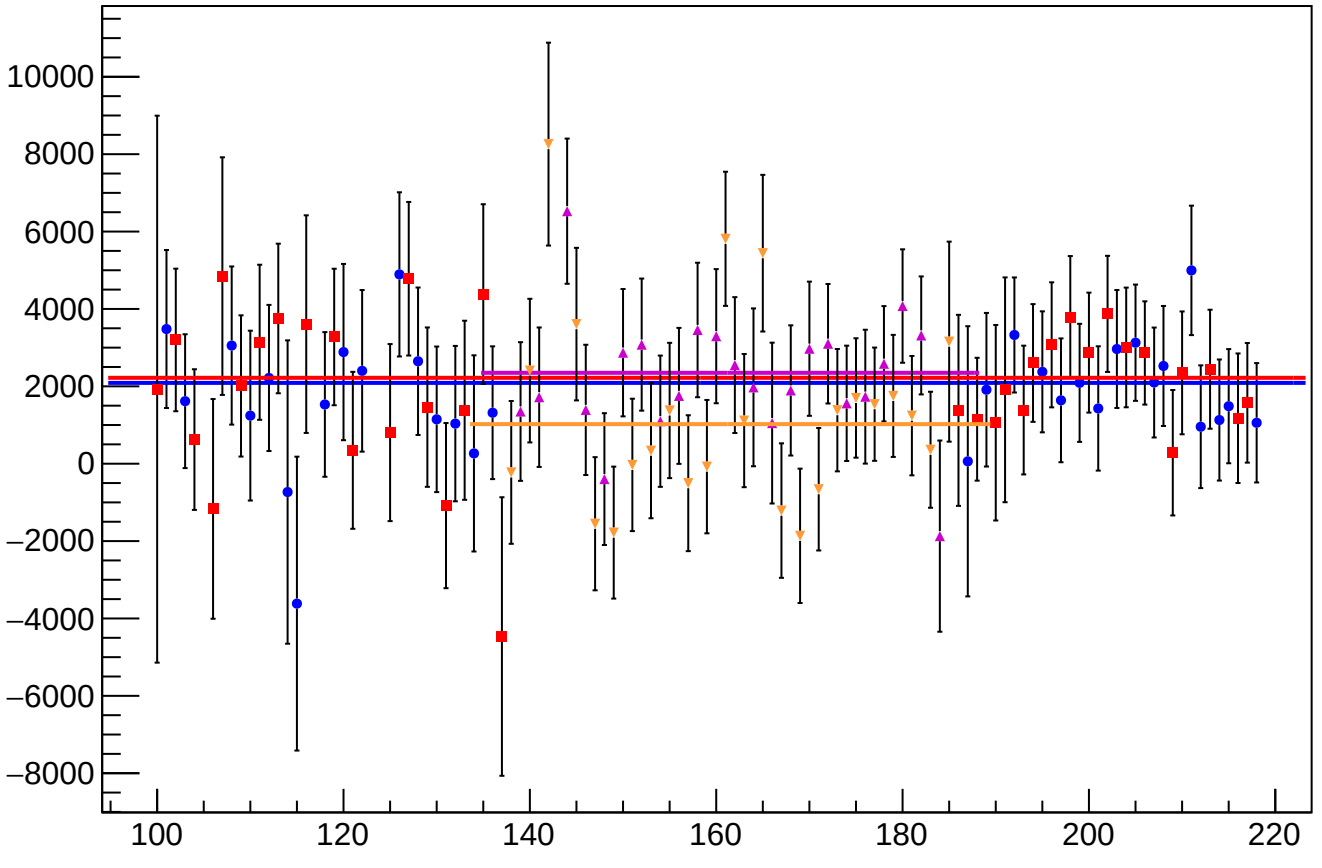
Right: 532.725+/-637.940 χ^2/NDF: 107.4/66

In: -80.255+/-752.266 χ^2/NDF:50.6/54

Out: 333.922+/-718.451 χ^2/NDF:104.6/58

All: 136.351+/-519.565 χ^2/NDF: 155.4/113


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: 3633.953+/-0.616 χ²/NDF: 5783845.6/34
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 3840.866+/-0.451 χ²/NDF: 8198547.7/66
In: 4512.257+/-0.532 χ²/NDF:4637055.0/54
Out: 4184.955+/-0.508 χ²/NDF:9339619.4/58
All: 4341.085+/-0.367 χ²/NDF: 14174676.2/1



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: 2219.914+/-317.272 χ^2/NDF: 20.8/34

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

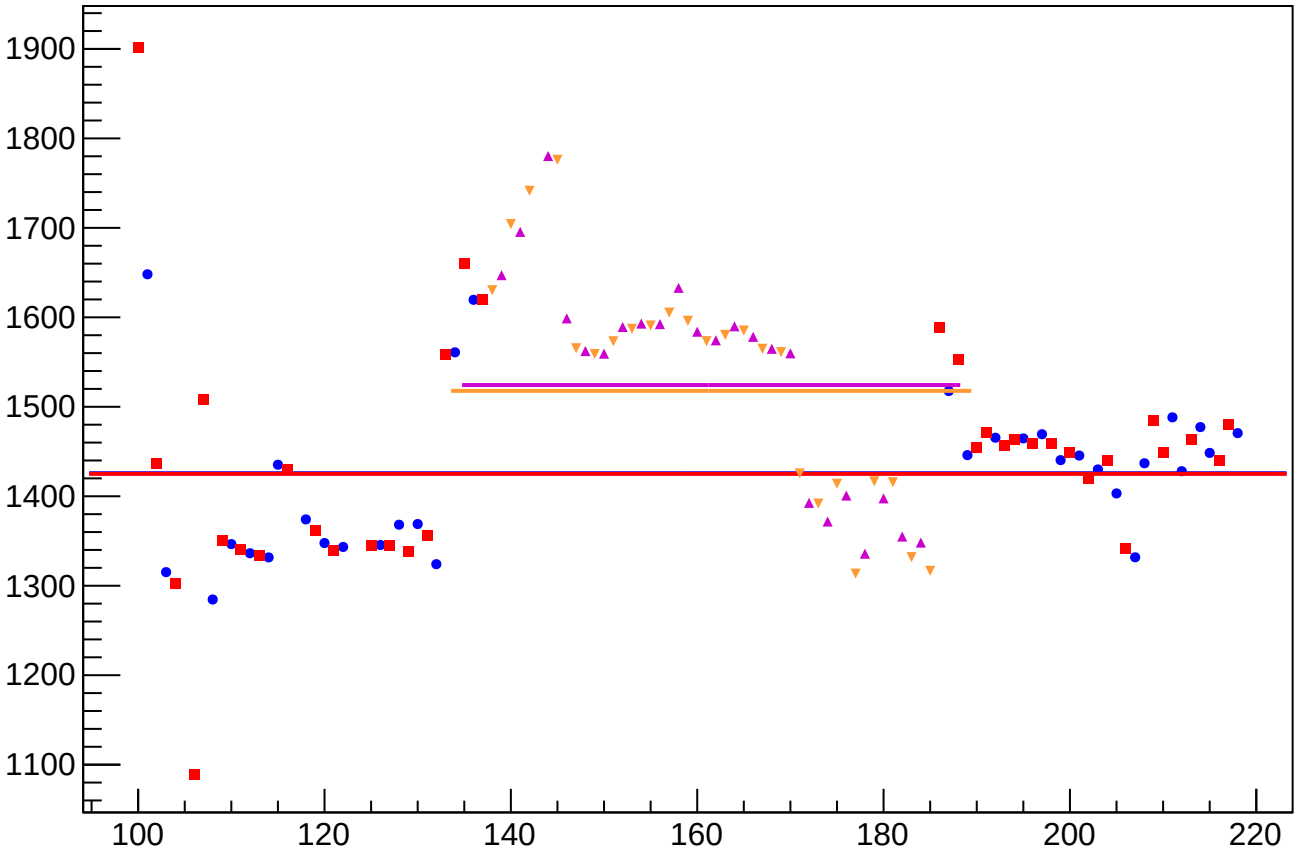
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2154.623+/-224.542 χ^2/NDF: 34.6/66

In: 2204.073+/-237.405 χ^2/NDF:30.0/54

Out: 1685.682+/-236.106 χ^2/NDF:63.6/58

All: 1943.455+/-167.409 χ^2/NDF: 96.0/113



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: 1425.069+/-0.223 χ^2/NDF: 174189.3/34

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

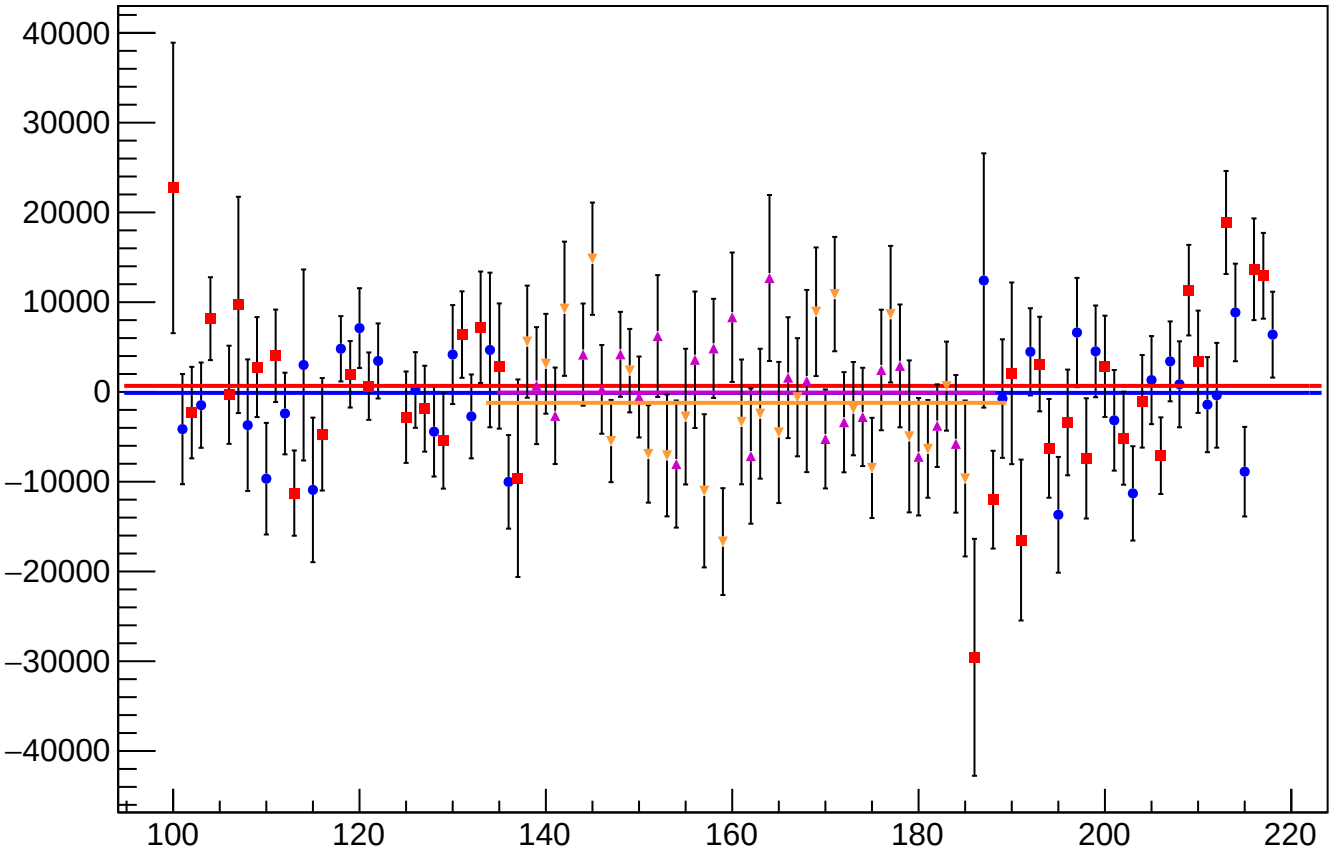
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1425.395+/-0.158 χ^2/NDF: 296379.3/66

In: 1469.307+/-0.168 χ^2/NDF:431576.4/54

Out: 1466.223+/-0.166 χ^2/NDF:484748.5/58

All: 1467.752+/-0.118 χ^2/NDF: 916495.1/113



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: 674.212+/-933.761 χ^2/NDF: 68.3/34

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

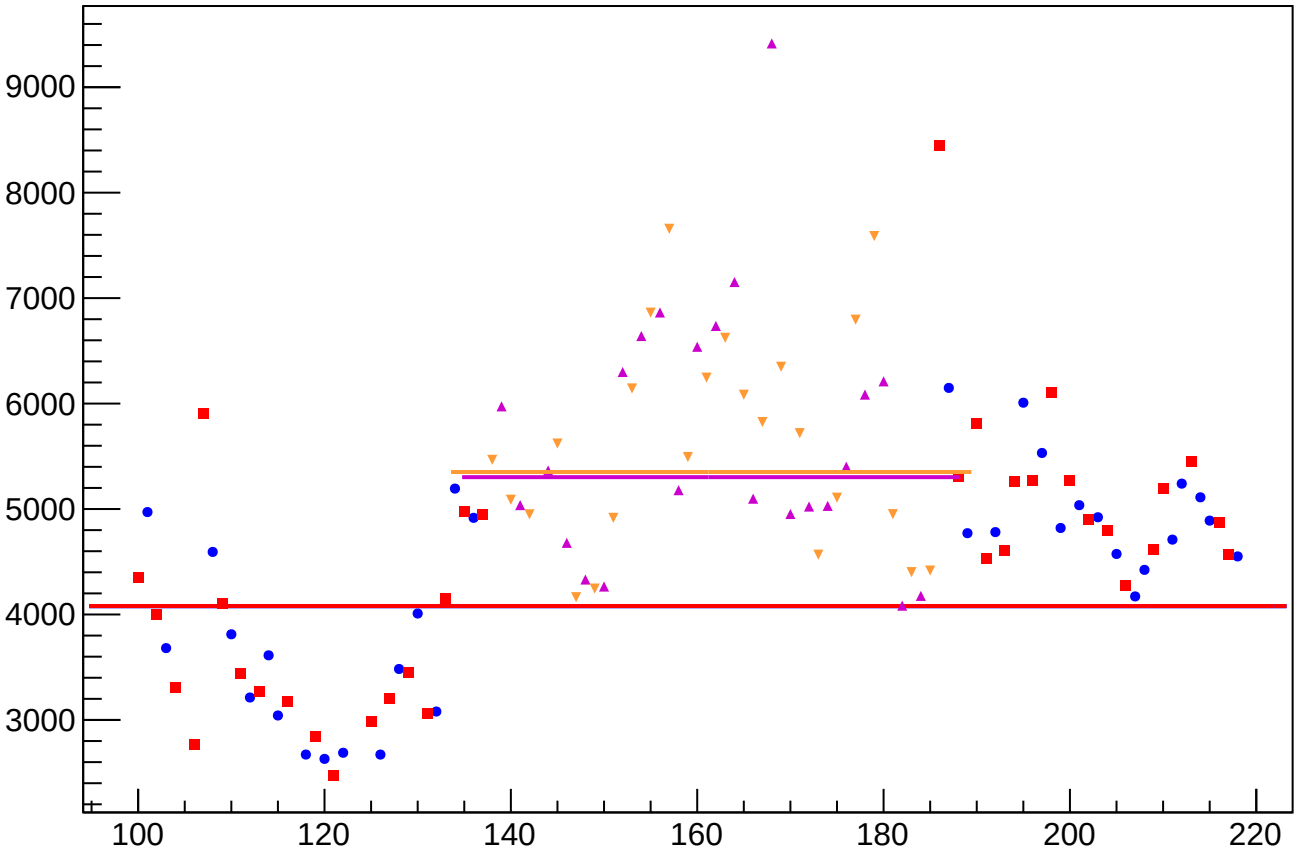
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: 285.876+/-660.917 χ^2/NDF: 106.1/66

In: -95.744+/-752.073 χ^2/NDF:50.7/54

Out: 11.247+/-751.953 χ^2/NDF:103.0/58

All: -42.240+/-531.753 χ^2/NDF: 153.7/113



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: 4080.000+/-0.660 χ^2/NDF: 2476505.6/34

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

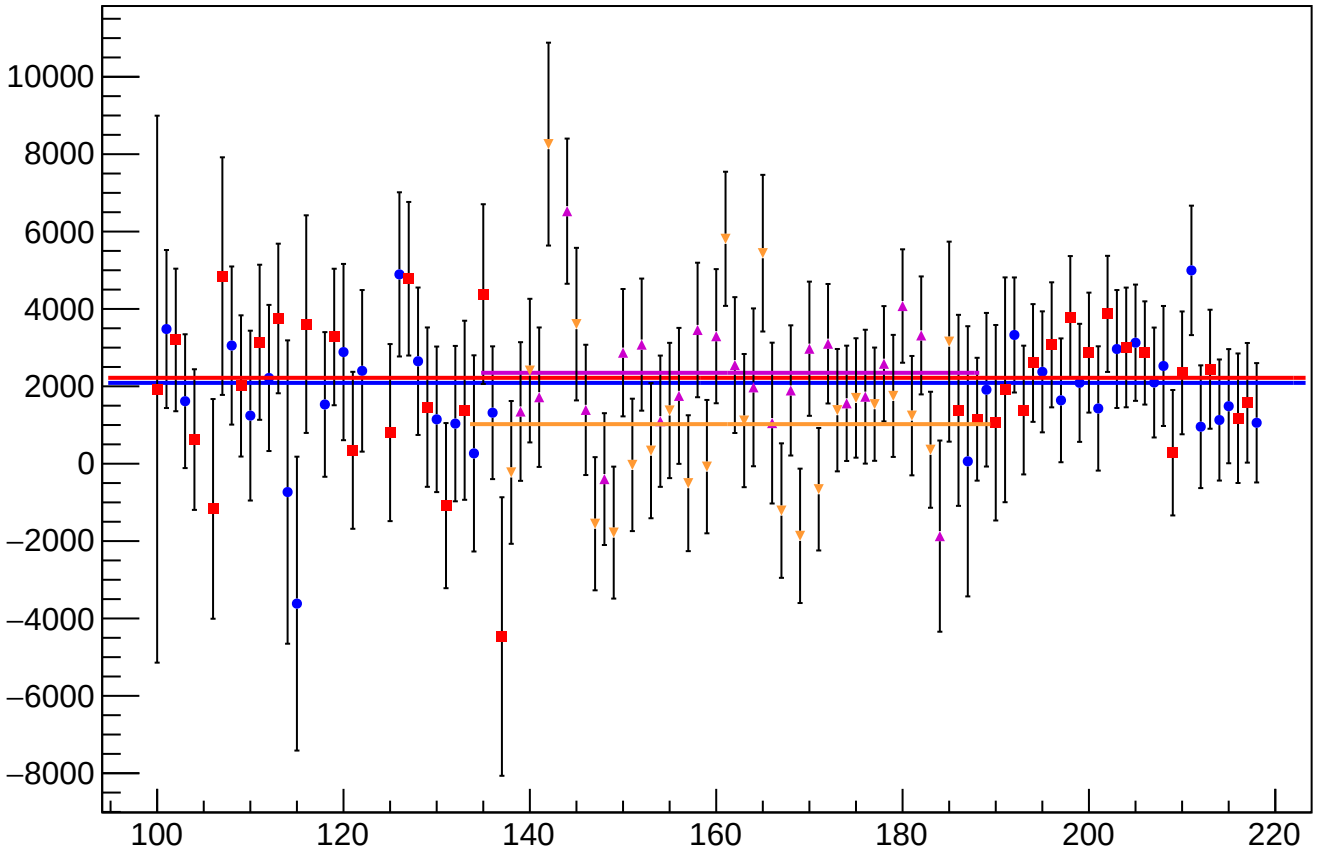
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 4078.877+/-0.467 χ^2/NDF: 4651116.9/66

In: 4510.996+/-0.532 χ^2/NDF:4642982.3/54

Out: 4526.803+/-0.532 χ^2/NDF:4845308.5/58

All: 4518.901+/-0.376 χ^2/NDF: 9488732.7/11



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: 2219.914+/-317.272 χ^2/NDF: 20.8/34

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

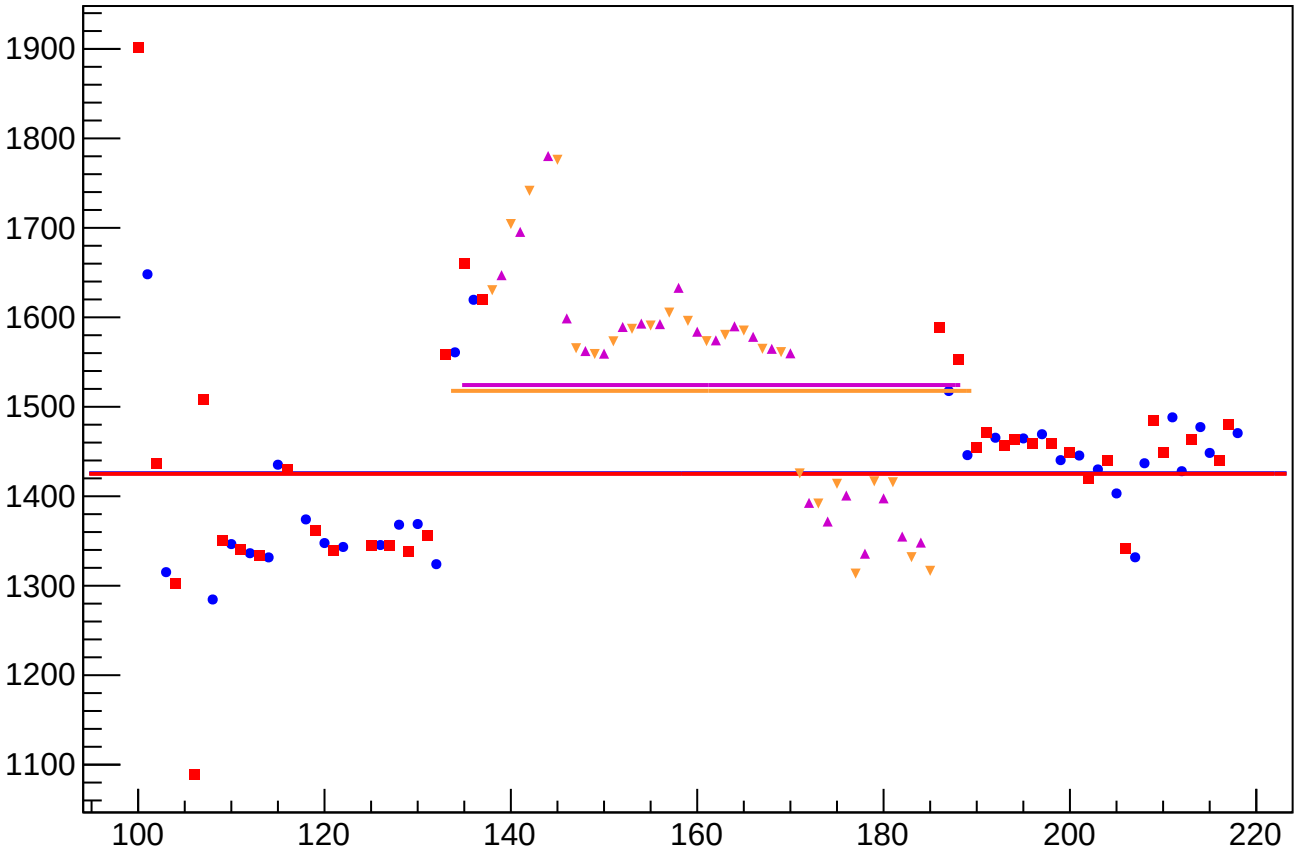
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2154.623+/-224.542 χ^2/NDF: 34.6/66

In: 2204.073+/-237.405 χ^2/NDF:30.0/54

Out: 1685.682+/-236.106 χ^2/NDF:63.6/58

All: 1943.455+/-167.409 χ^2/NDF: 96.0/113



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: 1425.069+/-0.223 χ^2/NDF: 174189.3/34

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

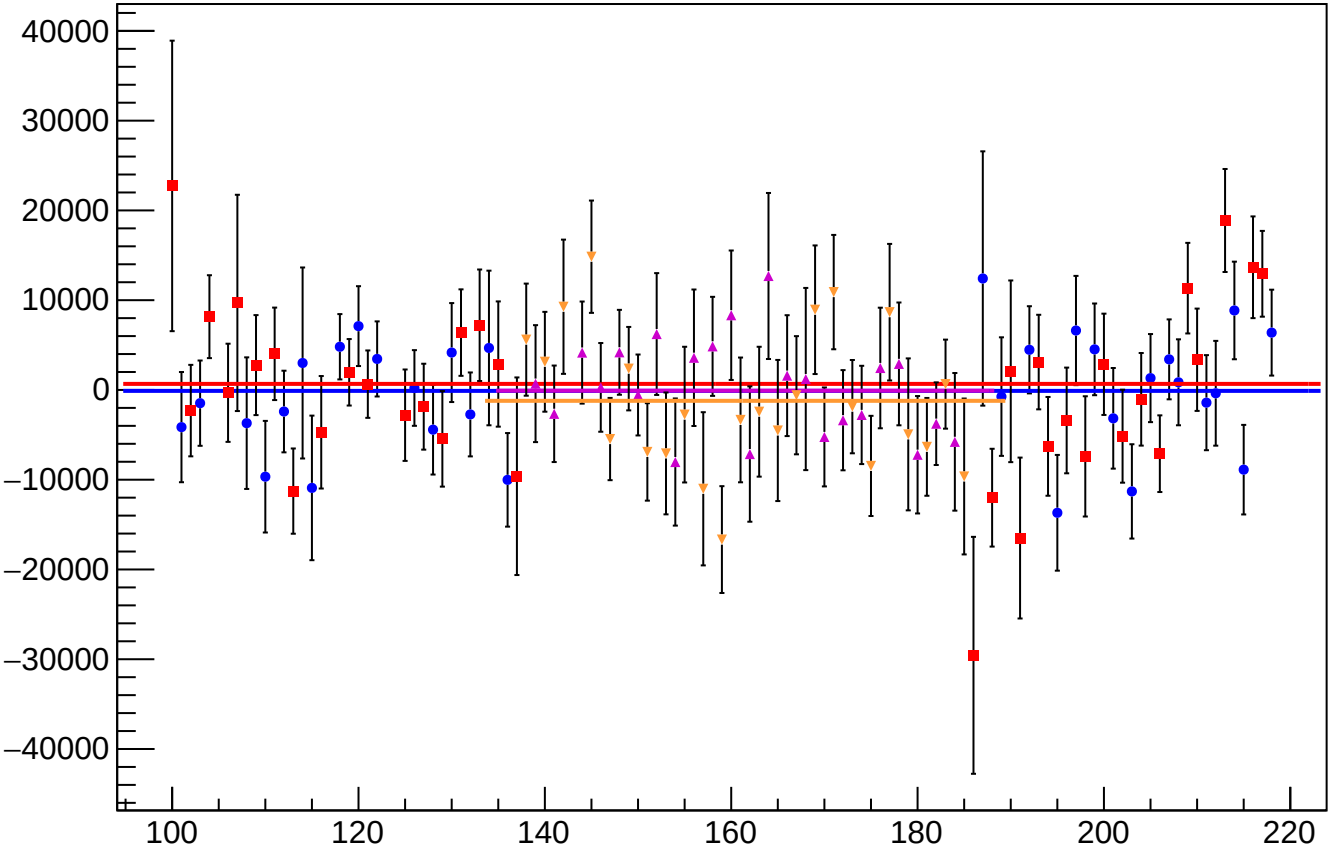
Right: 1425.395+/-0.158 χ^2/NDF: 296379.3/66

In: 1469.307+/-0.168 χ^2/NDF:431576.4/54

Out: 1466.223+/-0.166 χ^2/NDF:484748.5/58

All: 1467.752+/-0.118 χ^2/NDF: 916495.1/113

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 674.212+/-933.761 χ^2/NDF: 68.3/34

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

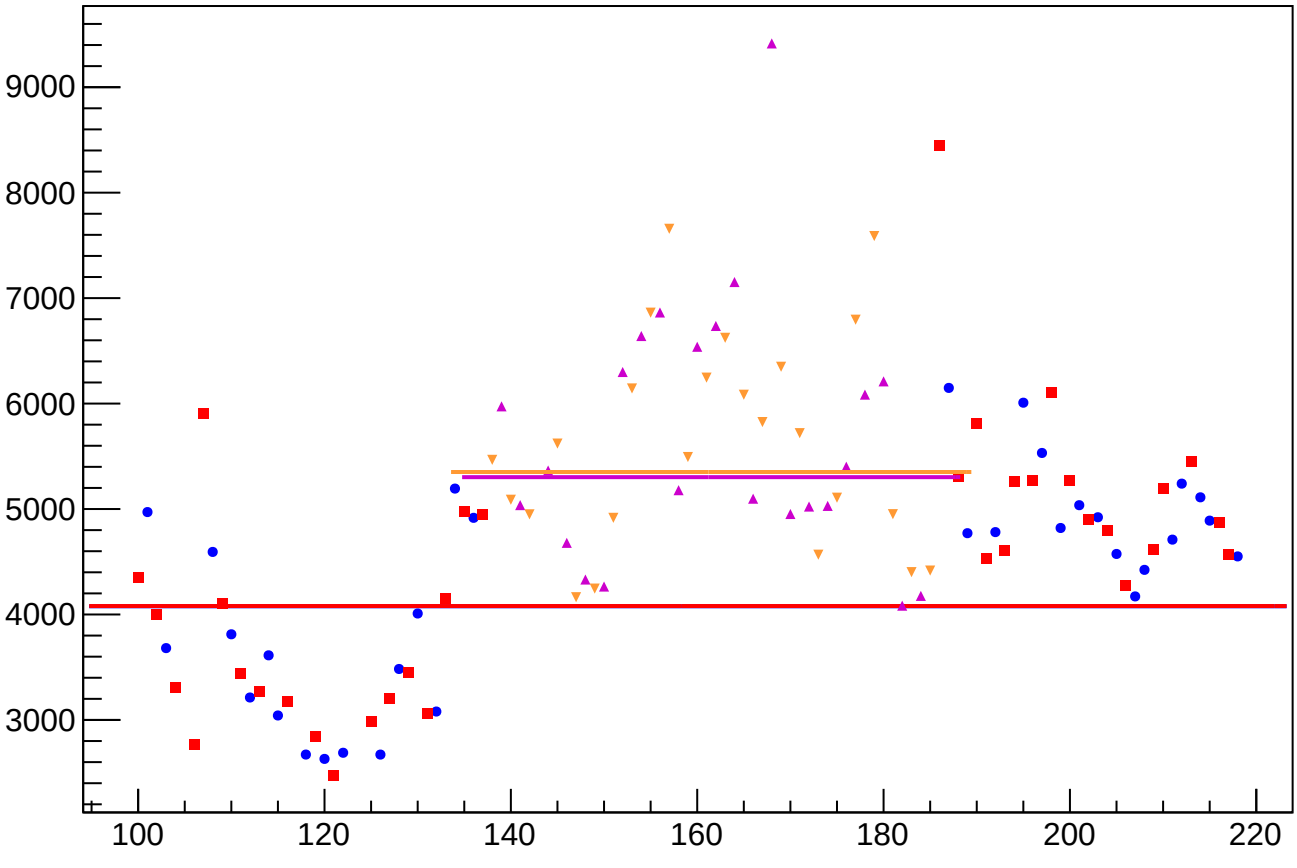
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: 285.876+/-660.917 χ^2/NDF: 106.1/66

In: -95.744+/-752.073 χ^2/NDF:50.7/54

Out: 11.247+/-751.953 χ^2/NDF:103.0/58

All: -42.240+/-531.753 χ^2/NDF: 153.7/113



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: 4080.000+/-0.660 χ^2/NDF: 2476505.6/34

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

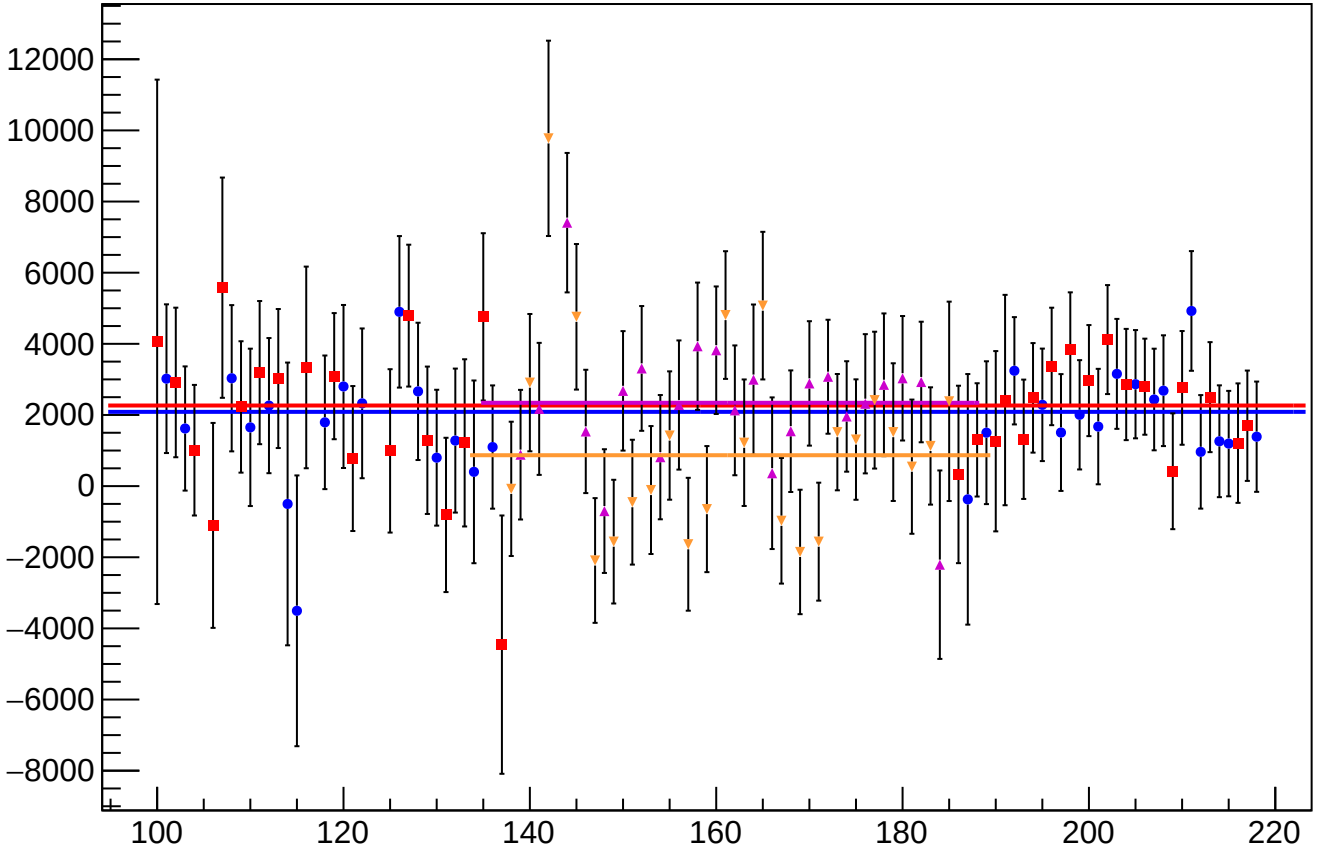
Right: 4078.877+/-0.467 χ^2/NDF: 4651116.9/66

In: 4510.996+/-0.532 χ^2/NDF:4642982.3/54

Out: 4526.803+/-0.532 χ^2/NDF:4845308.5/58

All: 4518.901+/-0.376 χ^2/NDF: 9488732.7/11

dit_asym_usl_atl2_avg_mean vs Slug, Sign Corrected



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: 2265.948+/-321.269 χ^2/NDF: 20.1/34

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

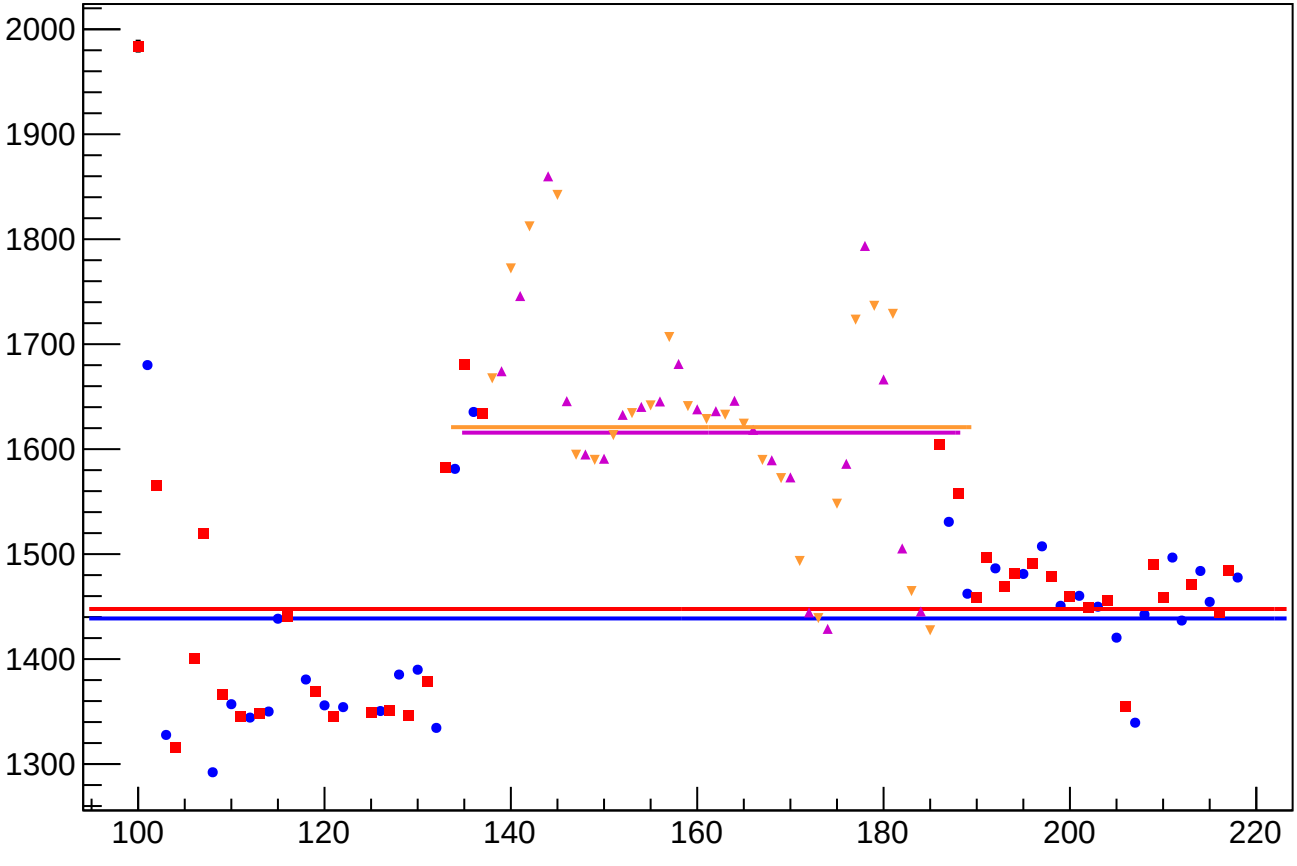
Right: 2176.708+/-227.009 χ^2/NDF: 33.2/66

In: 2194.280+/-244.624 χ^2/NDF:31.2/54

Out: 1678.341+/-244.574 χ^2/NDF:67.8/58

All: 1936.257+/-172.958 χ^2/NDF: 101.3/113

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



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: 1447.720+/-0.227 χ^2/NDF: 133059.6/34

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

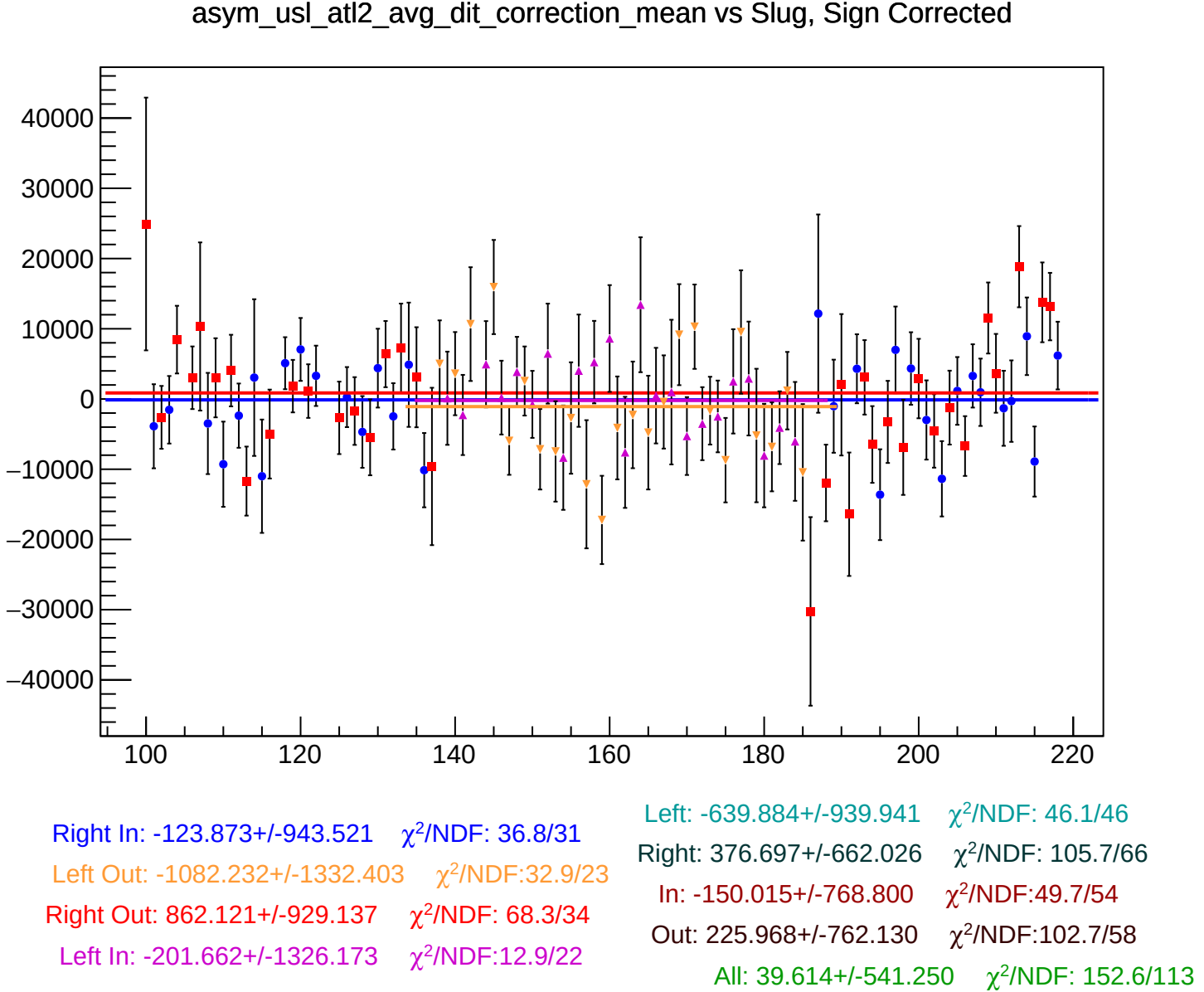
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

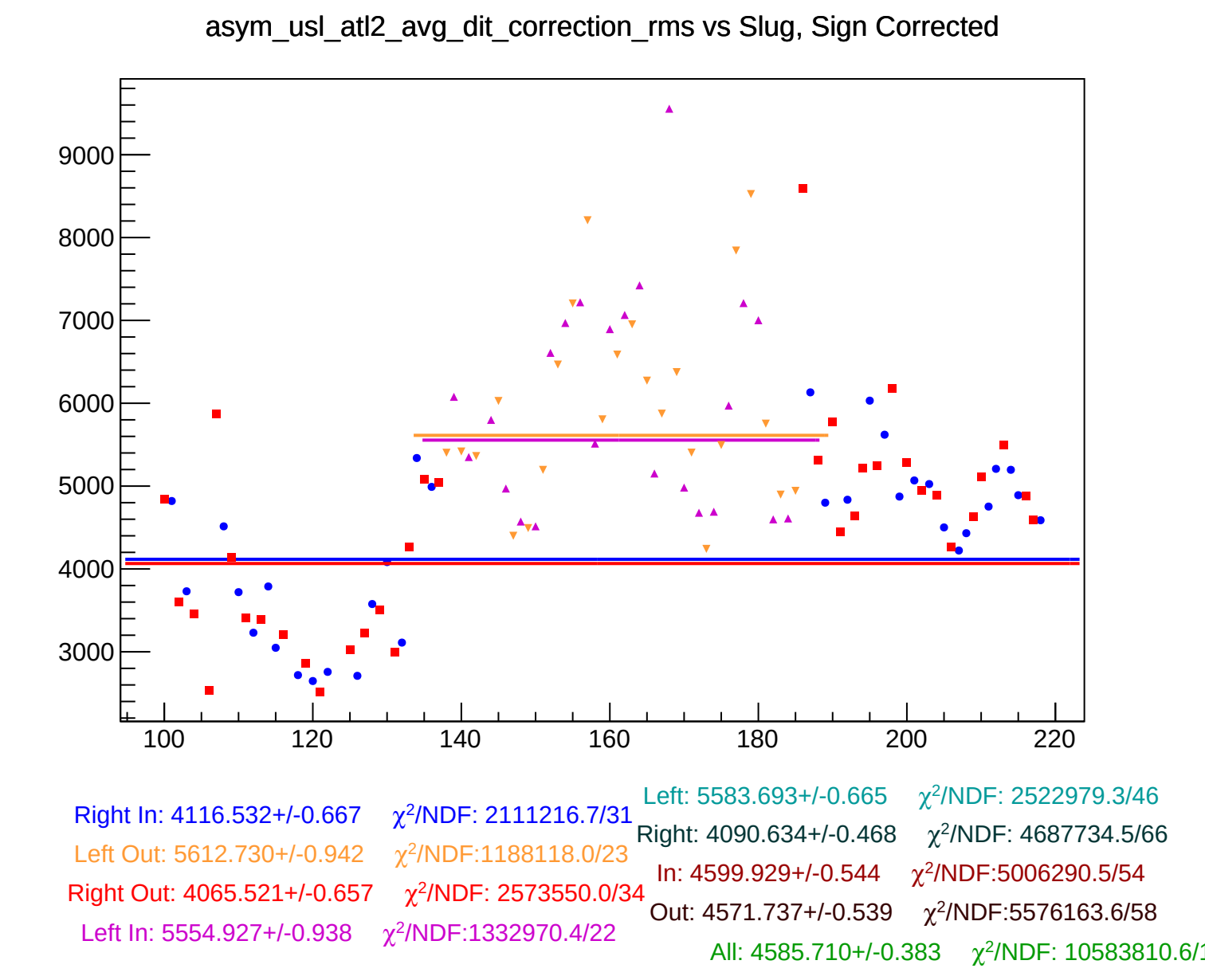
Right: 1443.206+/-0.160 χ^2/NDF: 263349.7/66

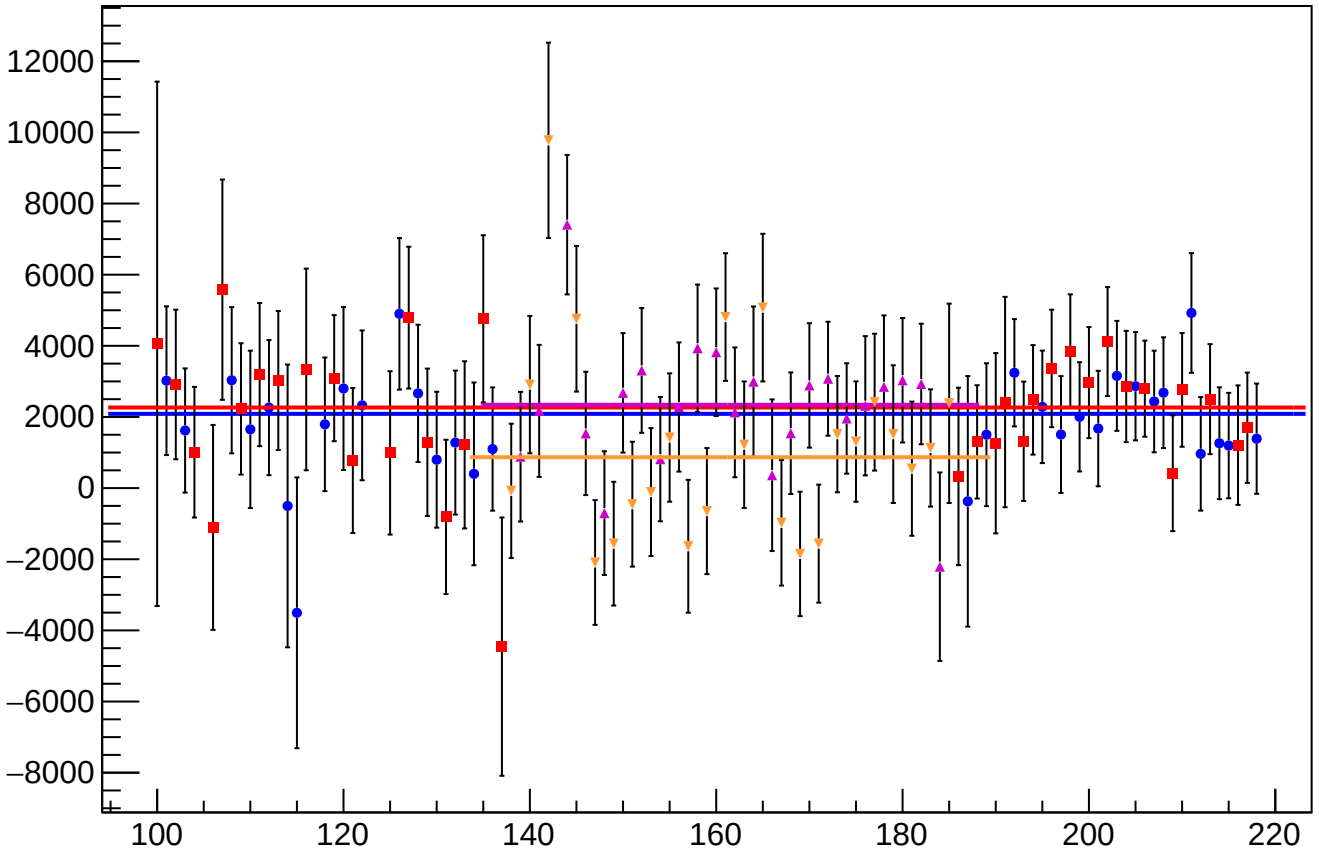
In: 1512.784+/-0.173 χ^2/NDF:521488.6/54

Out: 1520.471+/-0.173 χ^2/NDF:519725.1/58

All: 1516.630+/-0.122 χ^2/NDF: 1042201.9/11


asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -123.873+/-943.521 χ²/NDF: 36.8/31
Left Out: -1082.232+/-1332.403 χ²/NDF:32.9/23
Right Out: 862.121+/-929.137 χ²/NDF: 68.3/34
Left In: -201.662+/-1326.173 χ²/NDF:12.9/22
Left: -639.884+/-939.941 χ²/NDF: 46.1/46
Right: 376.697+/-662.026 χ²/NDF: 105.7/66
In: -150.015+/-768.800 χ²/NDF:49.7/54
Out: 225.968+/-762.130 χ²/NDF:102.7/58
All: 39.614+/-541.250 χ²/NDF: 152.6/113


asym_usl_atl2_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
220
Right In: 4116.532+/-0.667 χ²/NDF: 2111216.7/31
Left Out: 5612.730+/-0.942 χ²/NDF:1188118.0/23
Right Out: 4065.521+/-0.657 χ²/NDF: 2573550.0/34
Left In: 5554.927+/-0.938 χ²/NDF:1332970.4/22
Left: 5583.693+/-0.665 χ²/NDF: 2522979.3/46
Right: 4090.634+/-0.468 χ²/NDF: 4687734.5/66
In: 4599.929+/-0.544 χ²/NDF:5006290.5/54
Out: 4571.737+/-0.539 χ²/NDF:5576163.6/58
All: 4585.710+/-0.383 χ²/NDF: 10583810.6/1



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: 2265.946+/-321.269 χ^2/NDF: 20.1/34

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

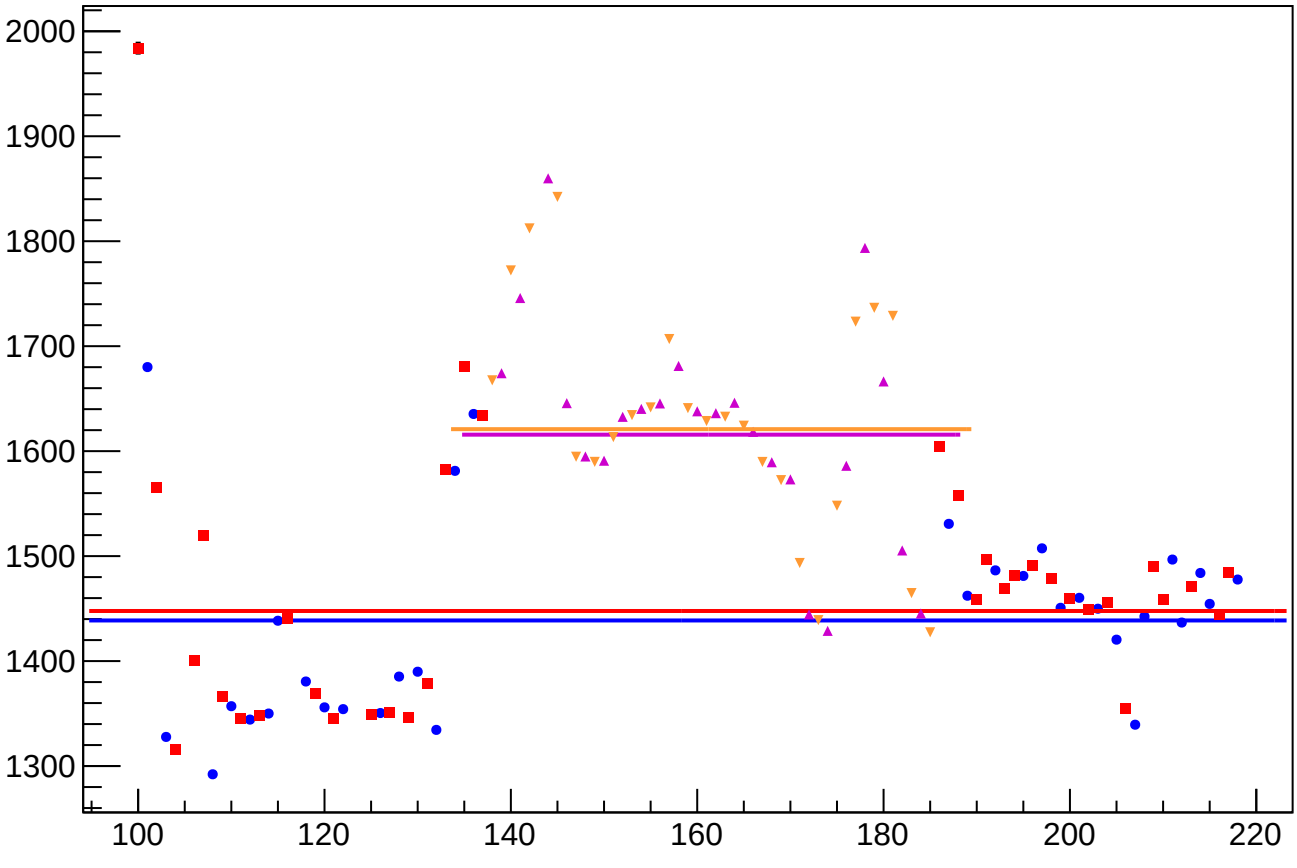
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 2176.708+/-227.009 χ^2/NDF: 33.2/66

In: 2194.281+/-244.625 χ^2/NDF:31.2/54

Out: 1678.337+/-244.574 χ^2/NDF:67.8/58

All: 1936.256+/-172.958 χ^2/NDF: 101.3/113



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: 1447.720+/-0.227 χ^2/NDF: 133059.9/34

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

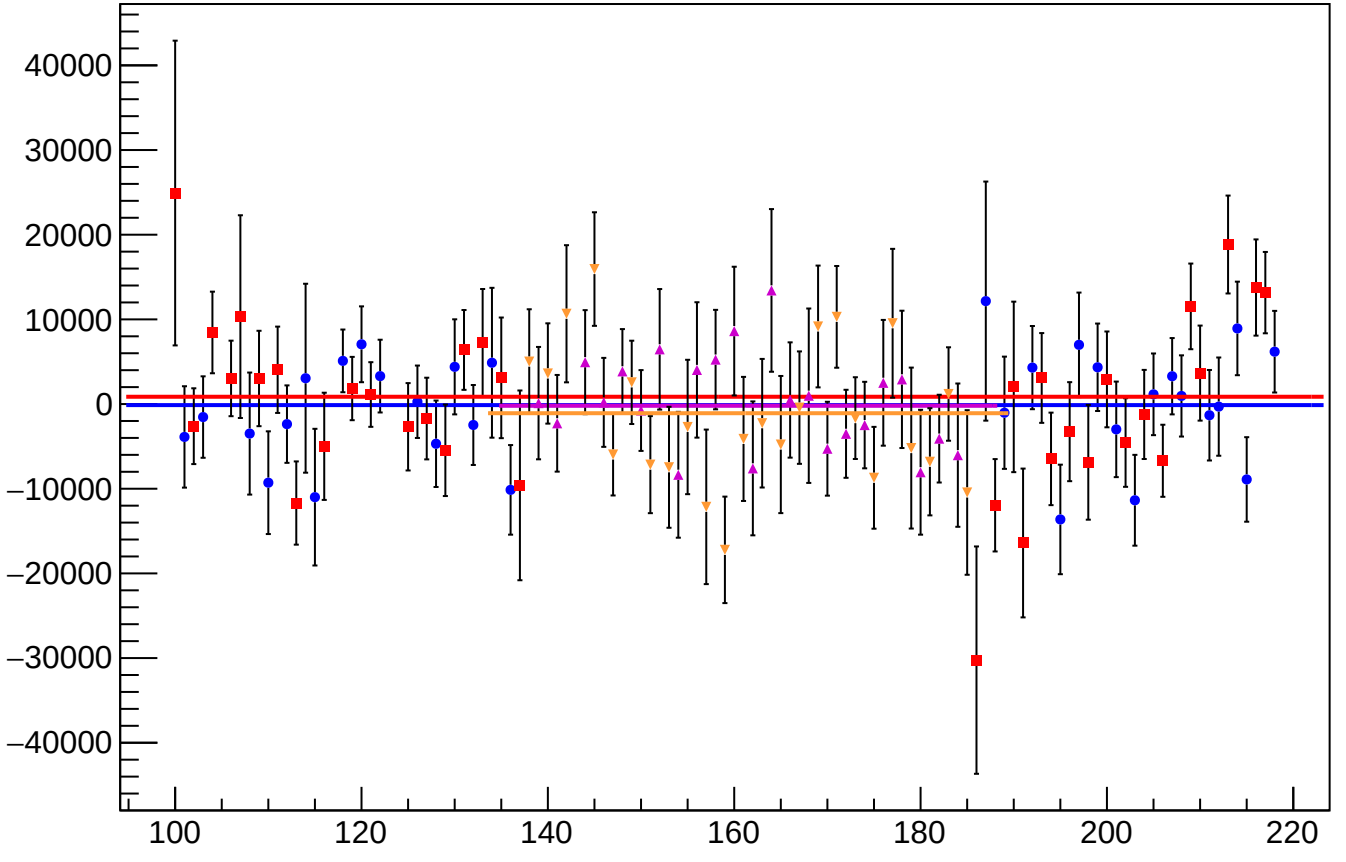
Right: 1443.206+/-0.160 χ^2/NDF: 263350.0/66

In: 1512.784+/-0.173 χ^2/NDF:521496.4/54

Out: 1520.471+/-0.173 χ^2/NDF:519733.7/58

All: 1516.631+/-0.122 χ^2/NDF: 1042218.4/11

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: 862.124+/-929.136 χ^2/NDF: 68.3/34

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

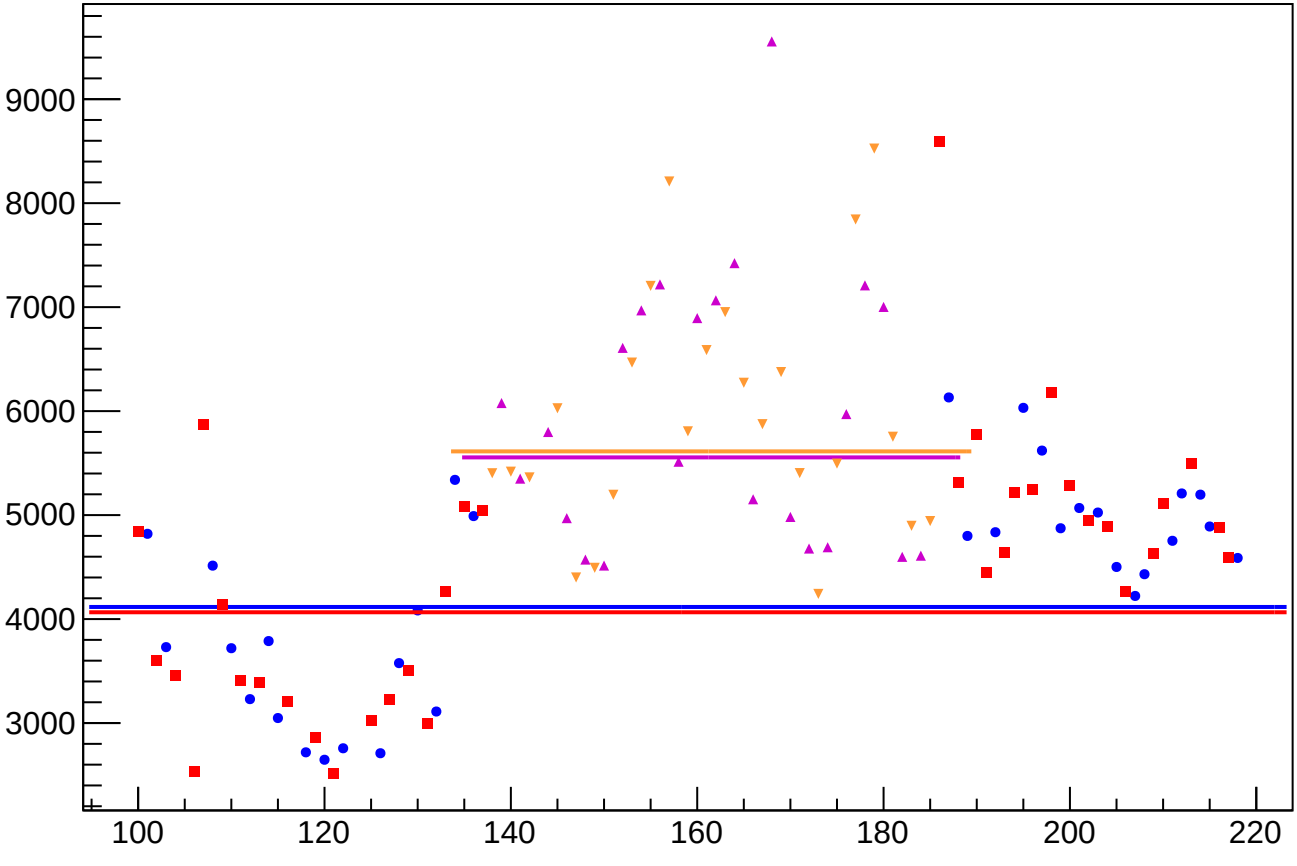
Right: 376.701+/-662.025 χ^2/NDF: 105.7/66

In: -150.013+/-768.800 χ^2/NDF:49.7/54

Out: 225.970+/-762.130 χ^2/NDF:102.7/58

All: 39.617+/-541.250 χ^2/NDF: 152.6/113

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: 4065.515+/-0.657 χ^2/NDF: 2573585.5/34

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

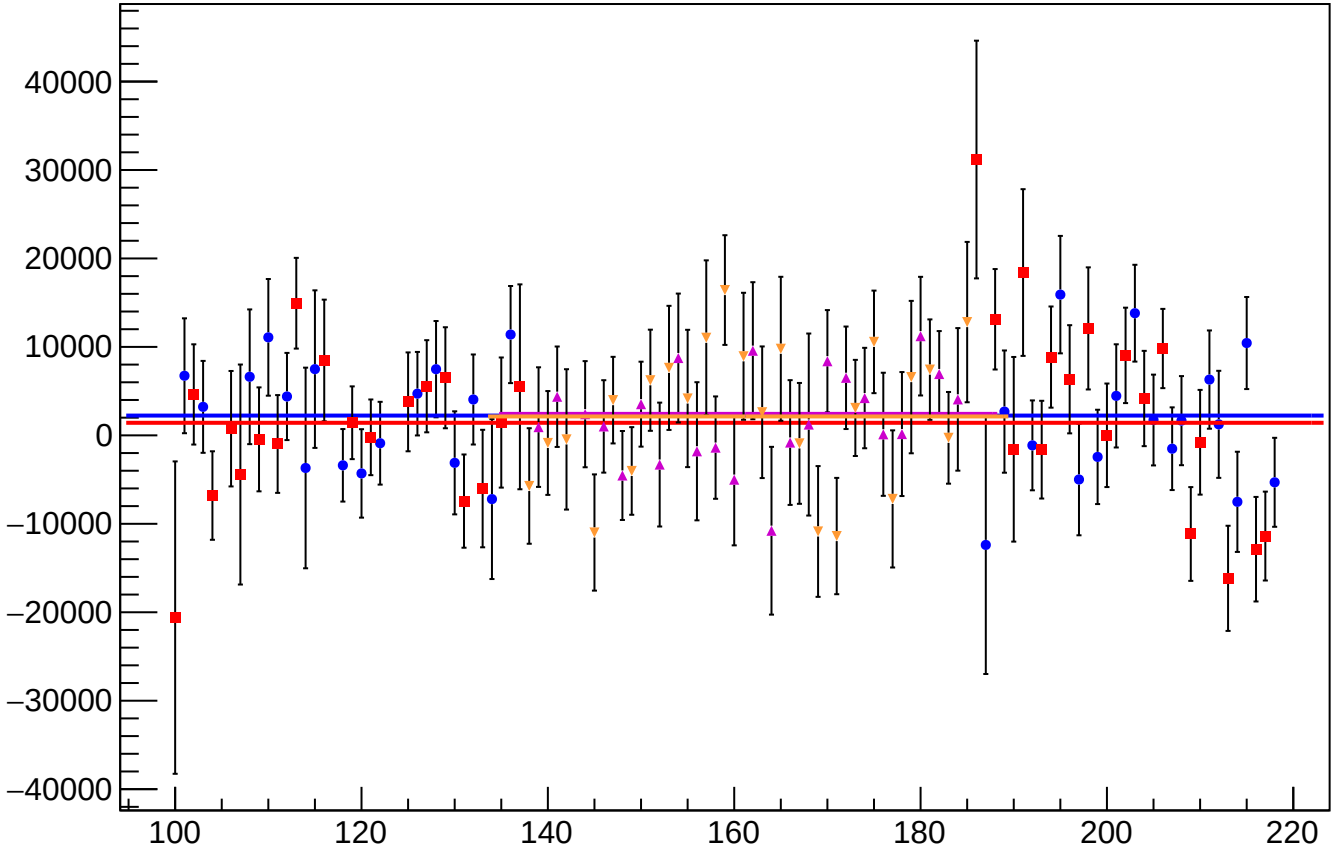
Right: 4090.630+/-0.468 χ^2/NDF: 4687814.6/66

In: 4599.928+/-0.544 χ^2/NDF:5006360.4/54

Out: 4571.734+/-0.539 χ^2/NDF:5576231.7/58

All: 4585.708+/-0.383 χ^2/NDF: 10583948.7/1

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: 1420.020+/-1000.236 χ^2/NDF: 69.2/34

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

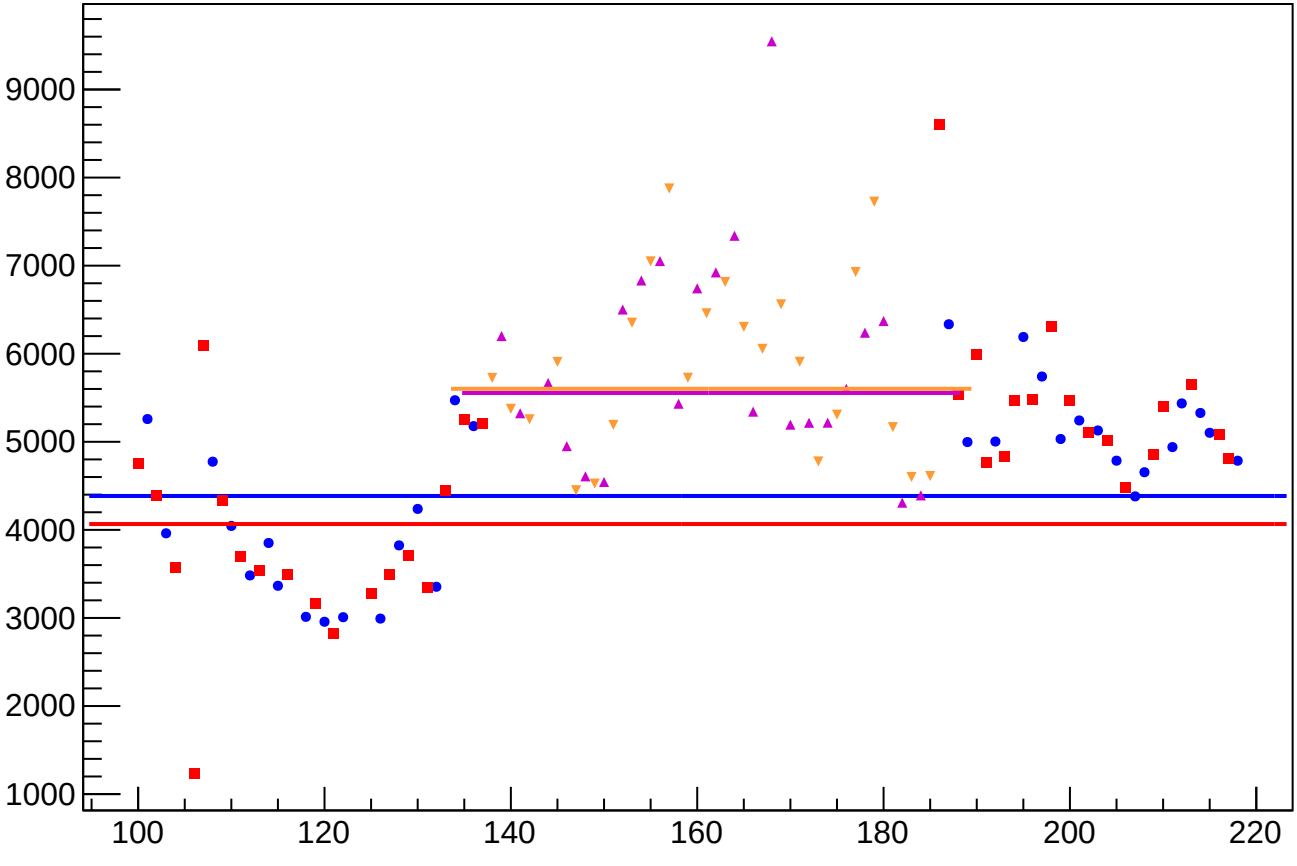
Right: 1828.509+/-707.116 χ^2/NDF: 104.4/66

In: 2306.345+/-797.223 χ^2/NDF:47.7/54

Out: 1680.854+/-798.175 χ^2/NDF:100.1/58

All: 1993.972+/-564.058 χ^2/NDF: 148.1/113

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: 4066.246+/-0.674 χ^2/NDF: 4147205.5/34

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

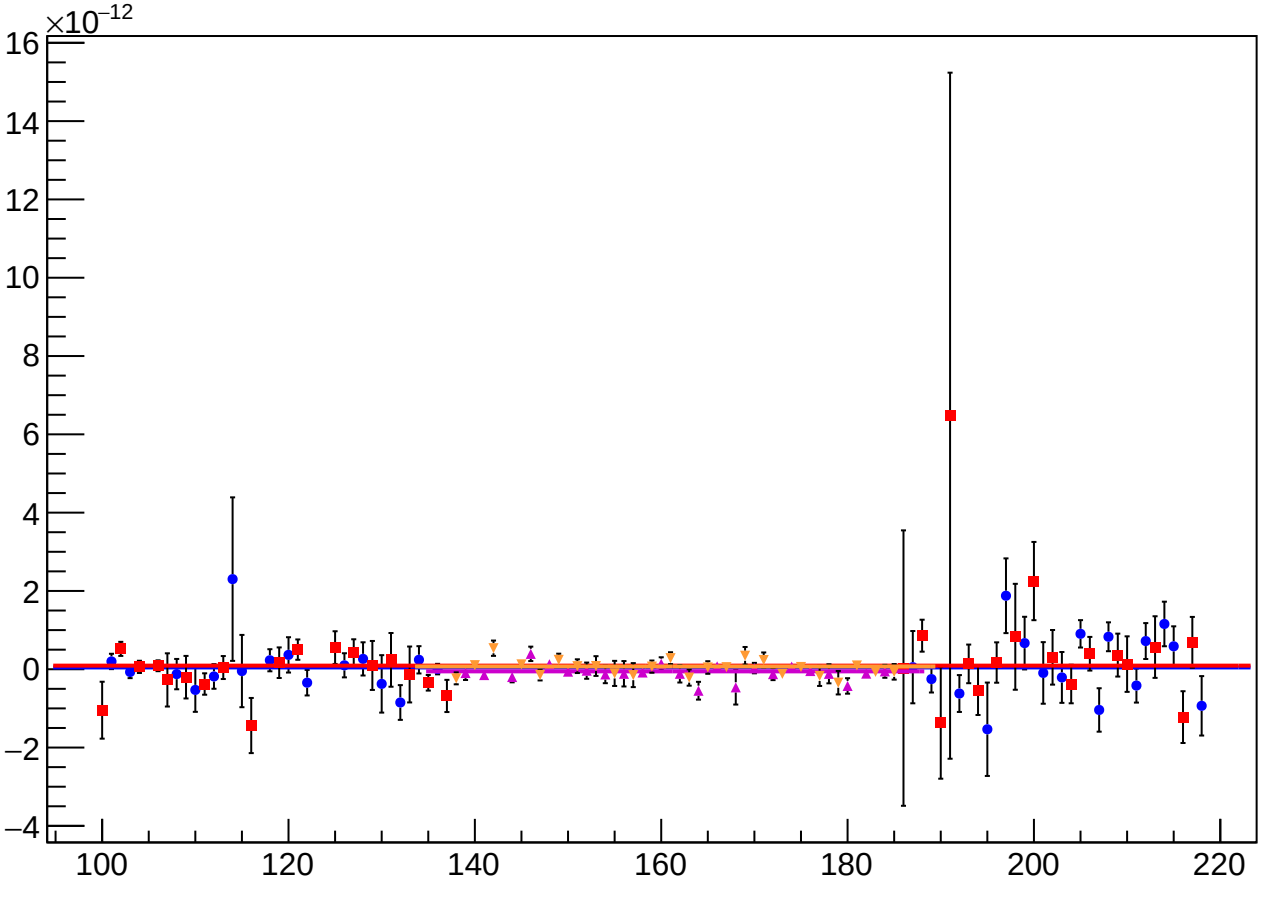
Right: 4218.035+/-0.488 χ^2/NDF: 5955904.5/66

In: 4810.687+/-0.564 χ^2/NDF:3810406.0/54

Out: 4590.599+/-0.547 χ^2/NDF:6859537.2/58

All: 4697.362+/-0.393 χ^2/NDF: 10748429.0/

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: 47.6/34

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

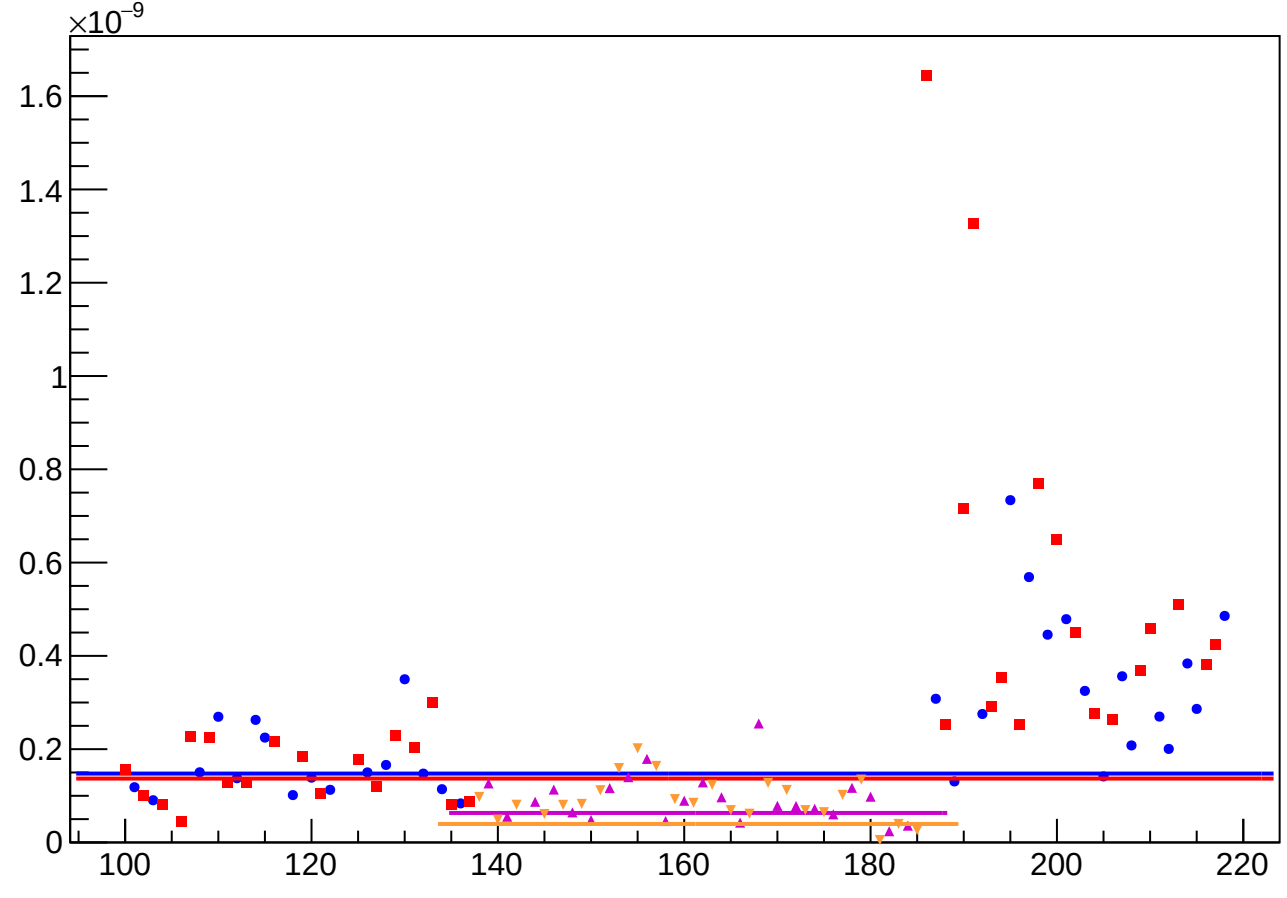
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 92.9/66

In: -0.000+/-0.000 χ^2/NDF:72.6/54

Out: 0.000+/-0.000 χ^2/NDF:76.0/58

All: 0.000+/-0.000 χ^2/NDF: 159.8/113



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: 6771920.0/34

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

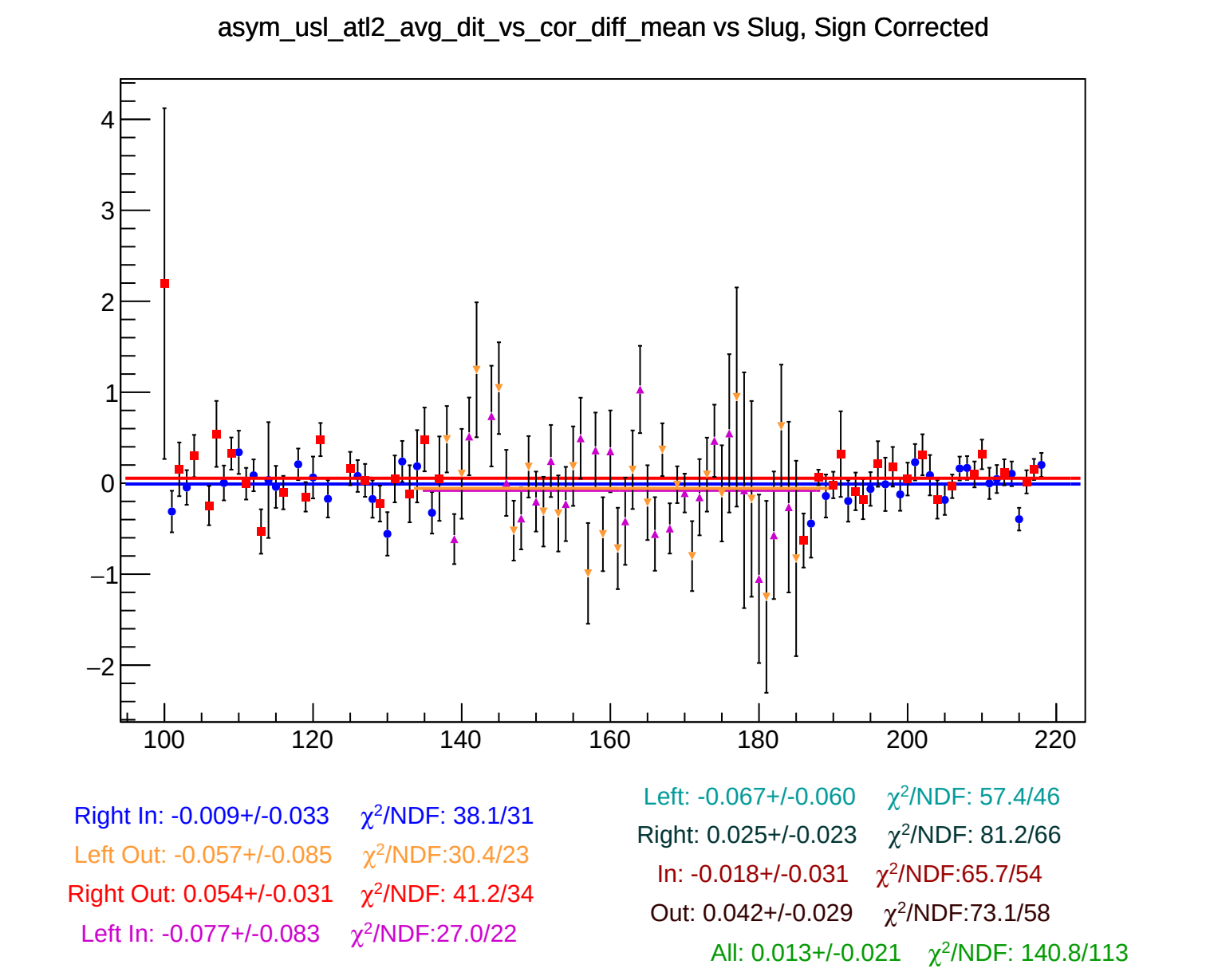
Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

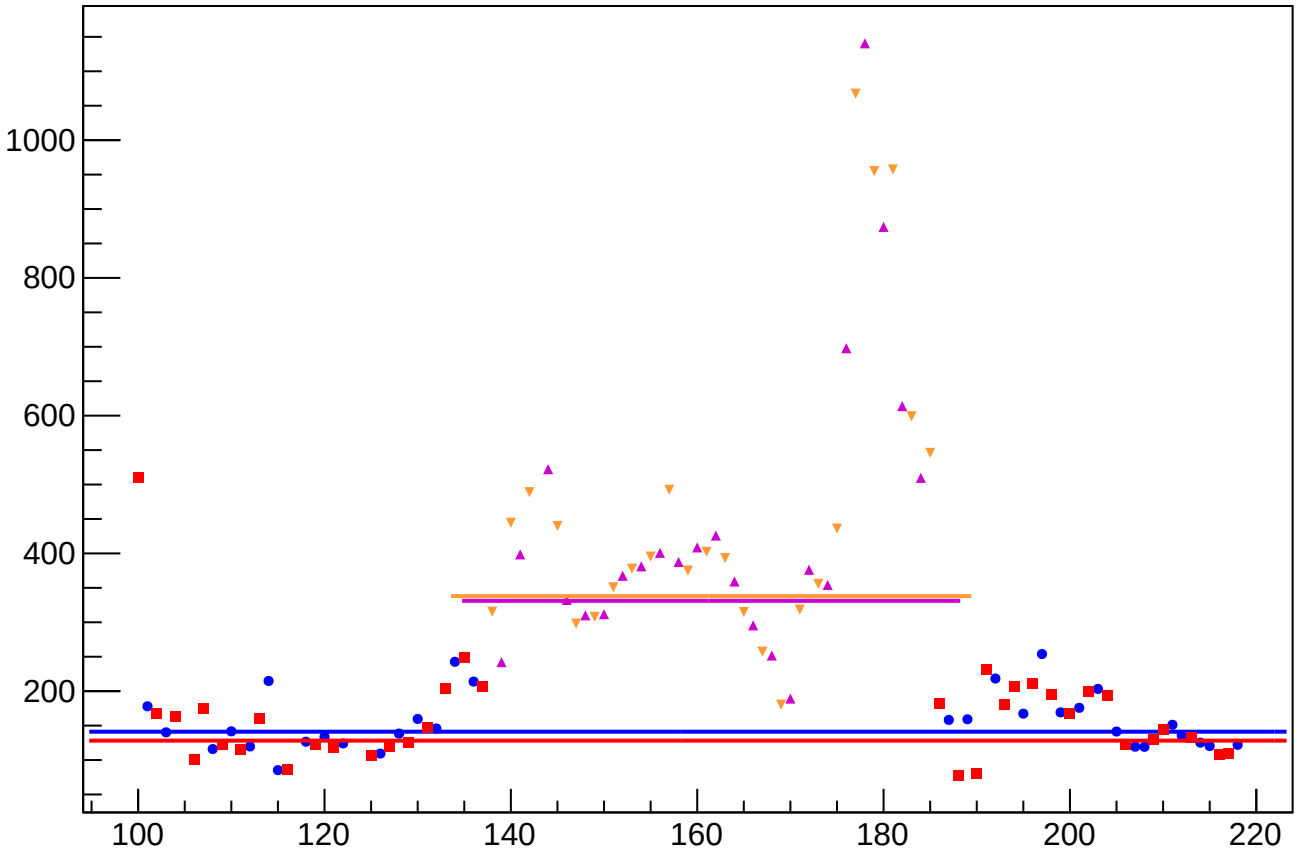
Right: 0.000+/-0.000 χ^2/NDF: 11325047.3/66

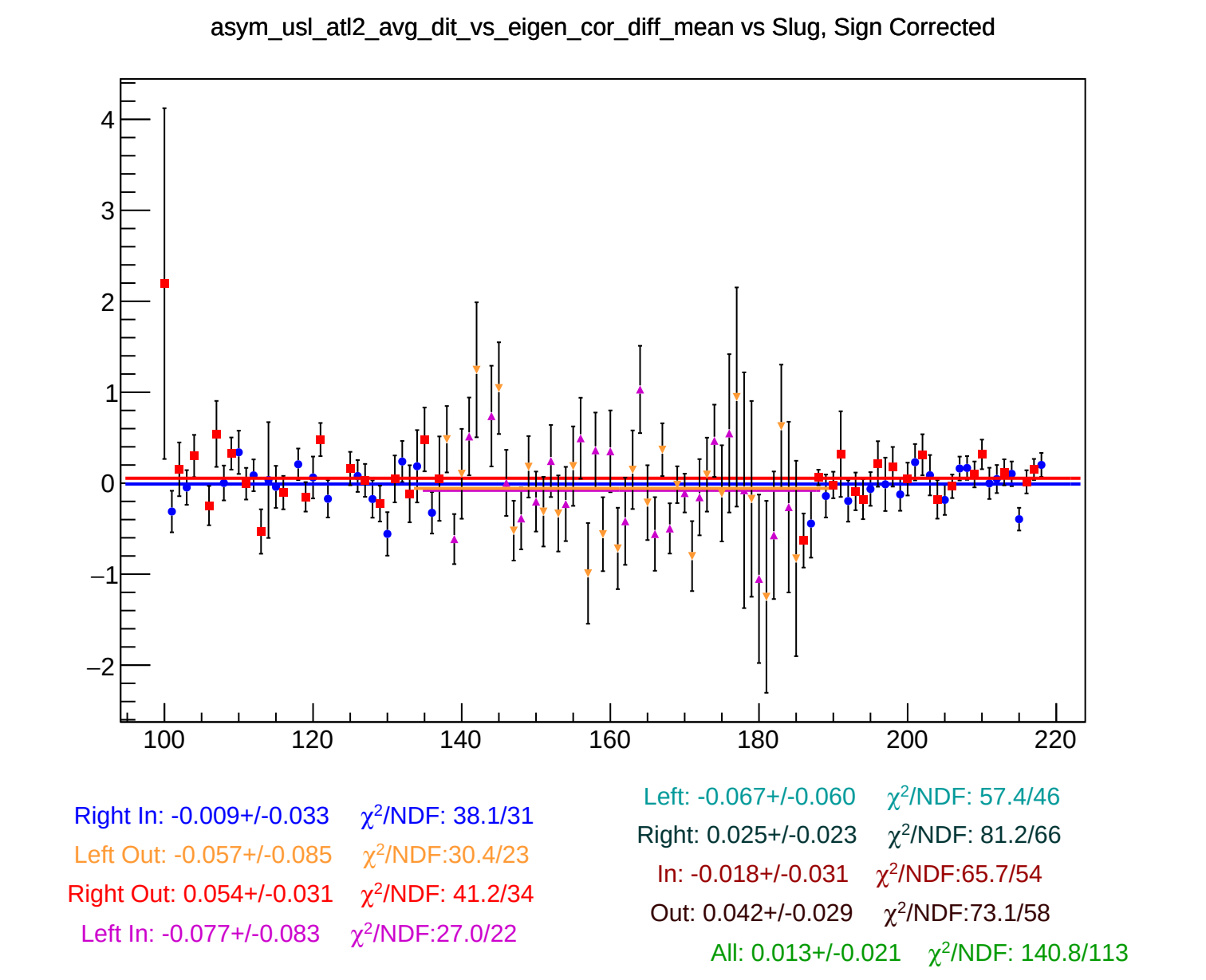
In: 0.000+/-0.000 χ^2/NDF:10536312.0/54

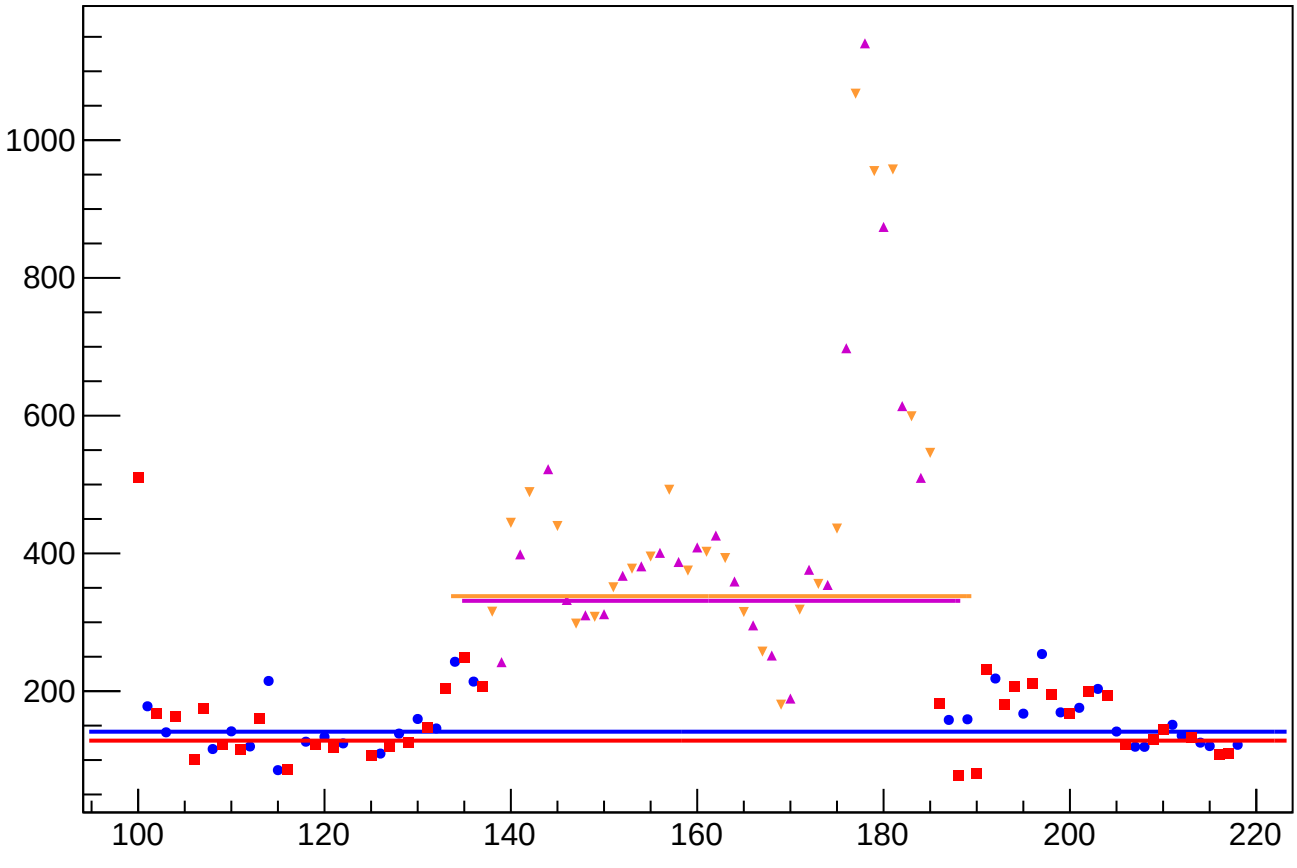
Out: 0.000+/-0.000 χ^2/NDF:18297224.5/58

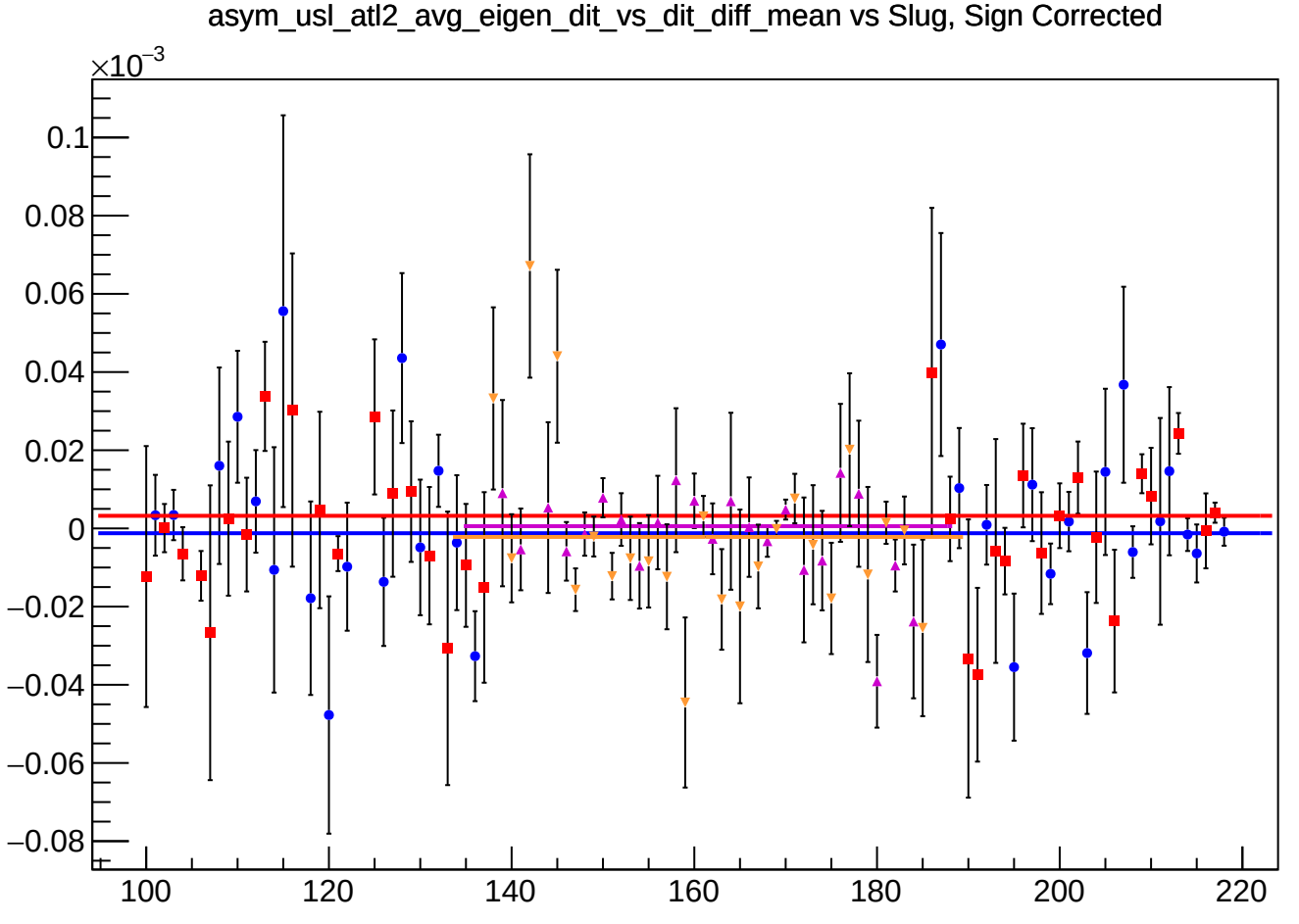
All: 0.000+/-0.000 χ^2/NDF: 30134643.4/113


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+/-0.031 χ²/NDF: 41.2/34
Left In: -0.077+/-0.083 χ²/NDF:27.0/22
Left: -0.067+/-0.060 χ²/NDF: 57.4/46
Right: 0.025+/-0.023 χ²/NDF: 81.2/66
In: -0.018+/-0.031 χ²/NDF:65.7/54
Out: 0.042+/-0.029 χ²/NDF:73.1/58
All: 0.013+/-0.021 χ²/NDF: 140.8/113


asym_usl_atl2_avg_dit_vs_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: 128.180+/-0.022 χ²/NDF: 3338514.0/34
Left In: 331.158+/-0.059 χ²/NDF:4106959.8/22
Left: 334.465+/-0.042 χ²/NDF: 8630534.0/46
Right: 134.197+/-0.016 χ²/NDF: 5297795.4/66
In: 167.127+/-0.022 χ²/NDF:14860938.4/54
Out: 152.387+/-0.021 χ²/NDF:18513790.8/58
All: 159.312+/-0.015 χ²/NDF: 33616980.9/1


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+/-0.031 χ²/NDF: 41.2/34
Left In: -0.077+/-0.083 χ²/NDF:27.0/22
Left: -0.067+/-0.060 χ²/NDF: 57.4/46
Right: 0.025+/-0.023 χ²/NDF: 81.2/66
In: -0.018+/-0.031 χ²/NDF:65.7/54
Out: 0.042+/-0.029 χ²/NDF:73.1/58
All: 0.013+/-0.021 χ²/NDF: 140.8/113


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: 128.180+/-0.022 χ²/NDF: 3338514.0/34
Left In: 331.158+/-0.059 χ²/NDF:4106959.8/22
Left: 334.465+/-0.042 χ²/NDF: 8630534.0/46
Right: 134.197+/-0.016 χ²/NDF: 5297795.4/66
In: 167.127+/-0.022 χ²/NDF:14860938.4/54
Out: 152.387+/-0.021 χ²/NDF:18513790.8/58
All: 159.312+/-0.015 χ²/NDF: 33616980.9/11



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: 56.3/34

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

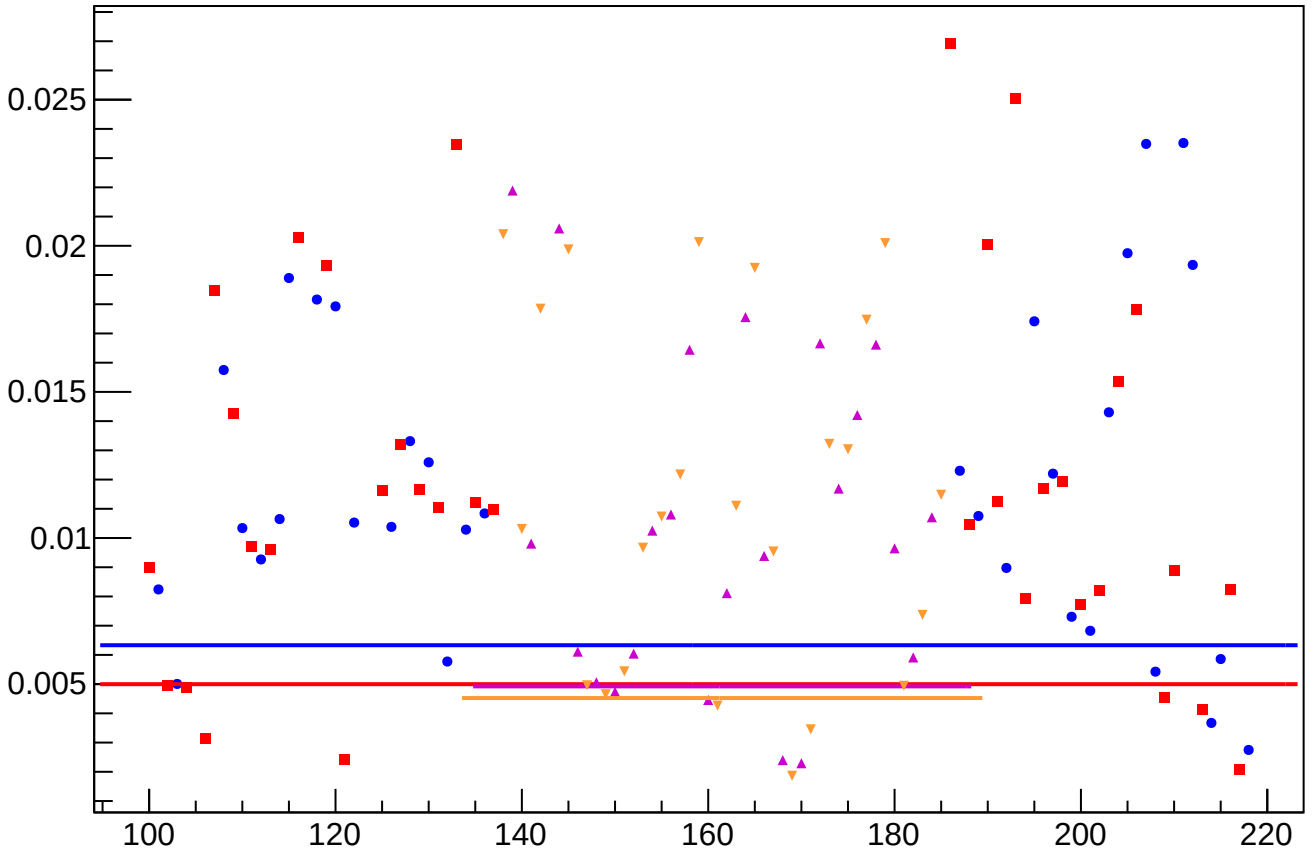
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: 0.000+/-0.000 χ^2/NDF: 102.4/66

In: -0.000+/-0.000 χ^2/NDF:69.1/54

Out: 0.000+/-0.000 χ^2/NDF:101.3/58

All: 0.000+/-0.000 χ^2/NDF: 170.6/113



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: 13928246.1/34

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

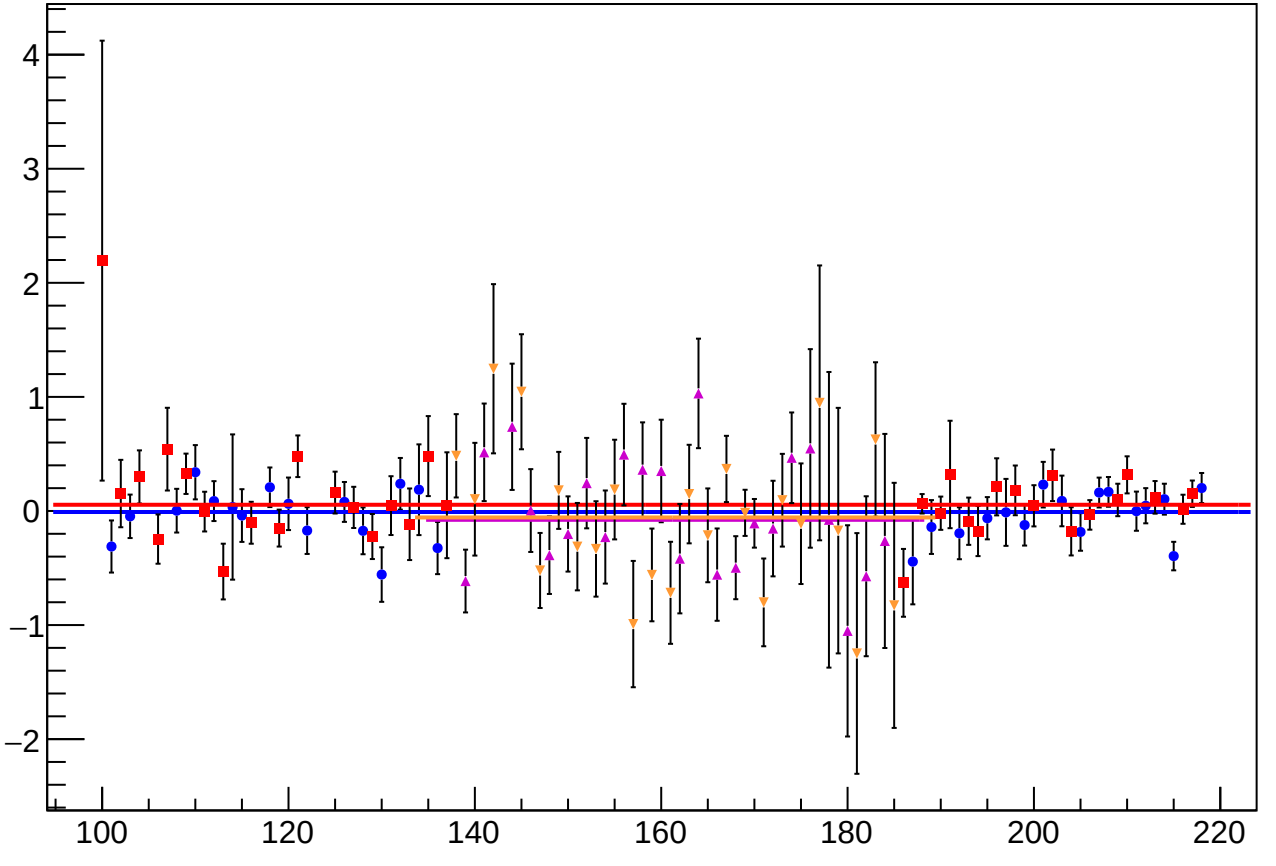
Right: 0.006+/-0.000 χ^2/NDF: 25445547.6/66

In: 0.006+/-0.000 χ^2/NDF:23208476.9/54

Out: 0.005+/-0.000 χ^2/NDF:28278263.1/58

All: 0.005+/-0.000 χ^2/NDF: 51994972.8/113

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+/-0.031 χ^2/NDF: 41.2/34

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

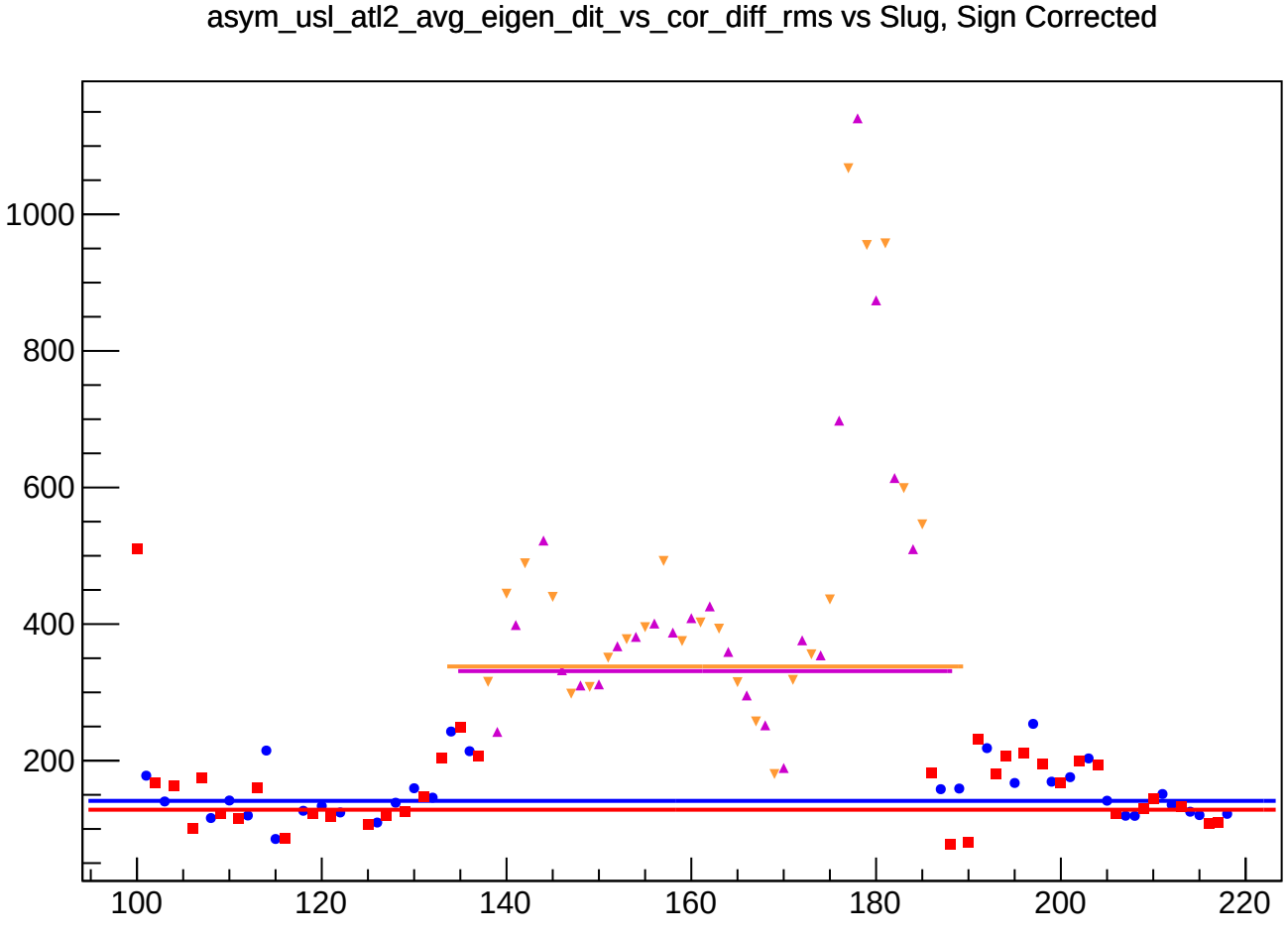
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.025+/-0.023 χ^2/NDF: 81.2/66

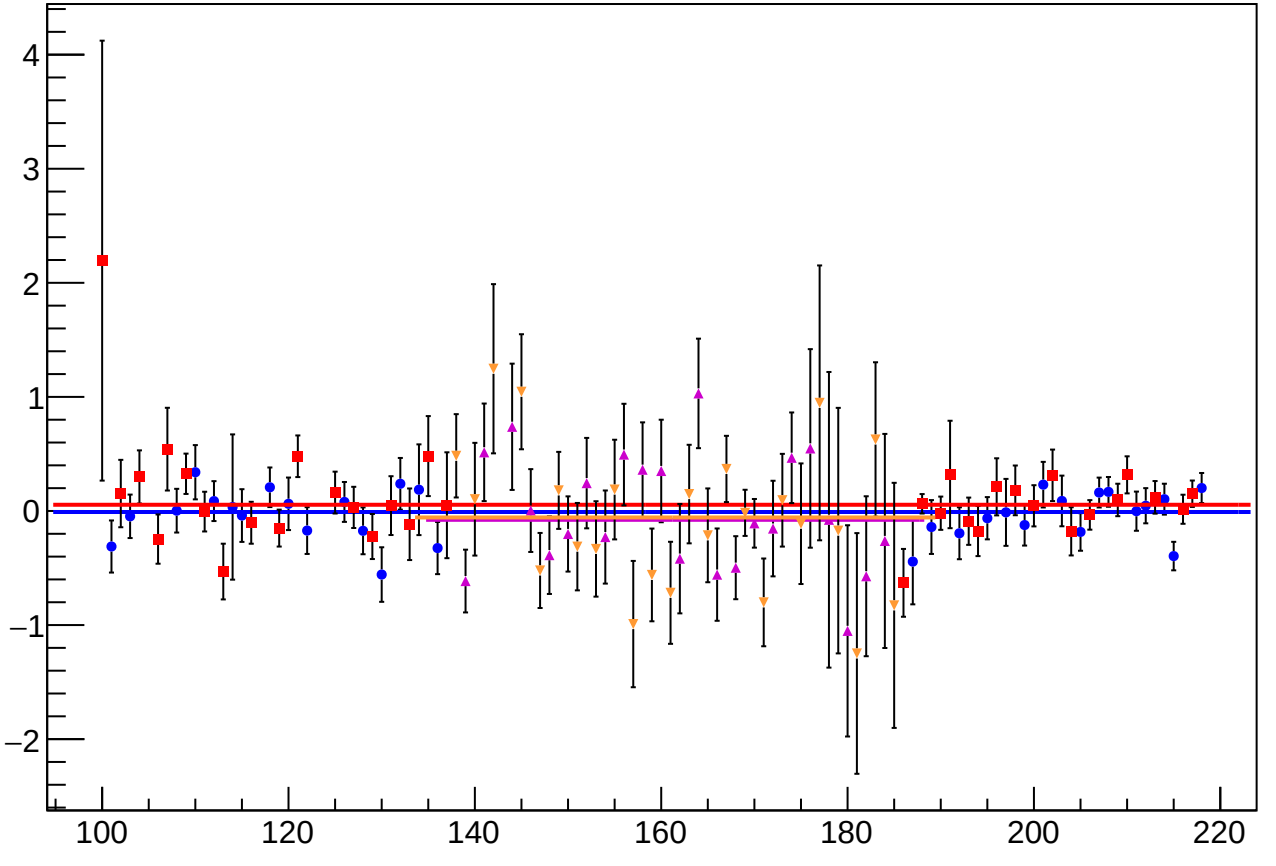
In: -0.018+/-0.031 χ^2/NDF:65.7/54

Out: 0.042+/-0.029 χ^2/NDF:73.1/58

All: 0.013+/-0.021 χ^2/NDF: 140.8/113


asym_usl_atl2_avg_eigen_dit_vs_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: 1795386.2/31
Left Out: 337.939+/-0.060 χ²/NDF:4517201.8/23
Right Out: 128.179+/-0.022 χ²/NDF: 3338662.2/34
Left In: 331.161+/-0.059 χ²/NDF:4106963.1/22
Left: 334.468+/-0.042 χ²/NDF: 8630607.3/46
Right: 134.197+/-0.016 χ²/NDF: 5297977.7/66
In: 167.128+/-0.022 χ²/NDF:14861039.1/54
Out: 152.385+/-0.021 χ²/NDF:18514228.8/58
All: 159.311+/-0.015 χ²/NDF: 33617579.4/11

asym_usl_atl2_avg_eigen_dit_vs_eigen_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+/-0.031 χ^2/NDF: 41.2/34

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

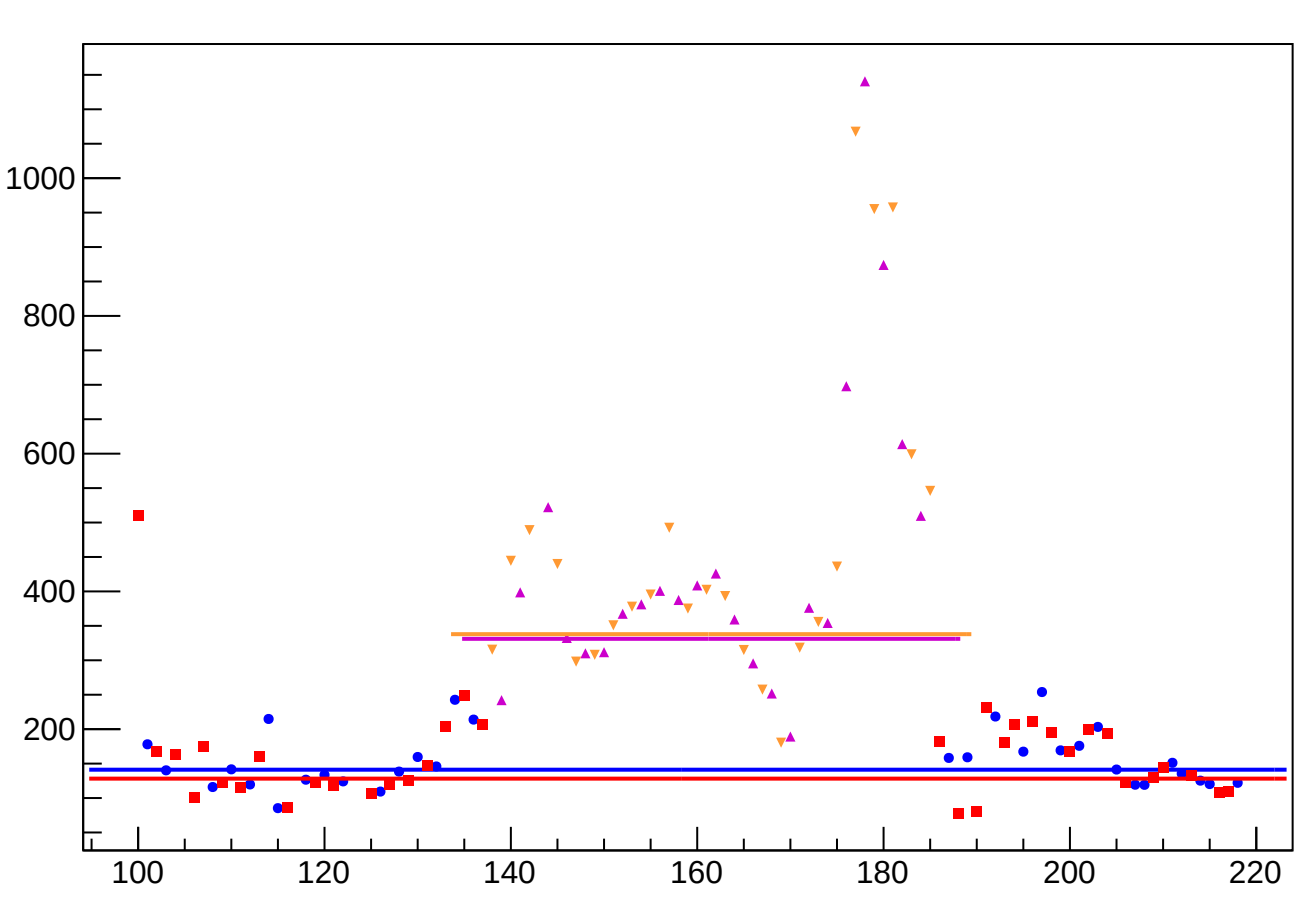
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

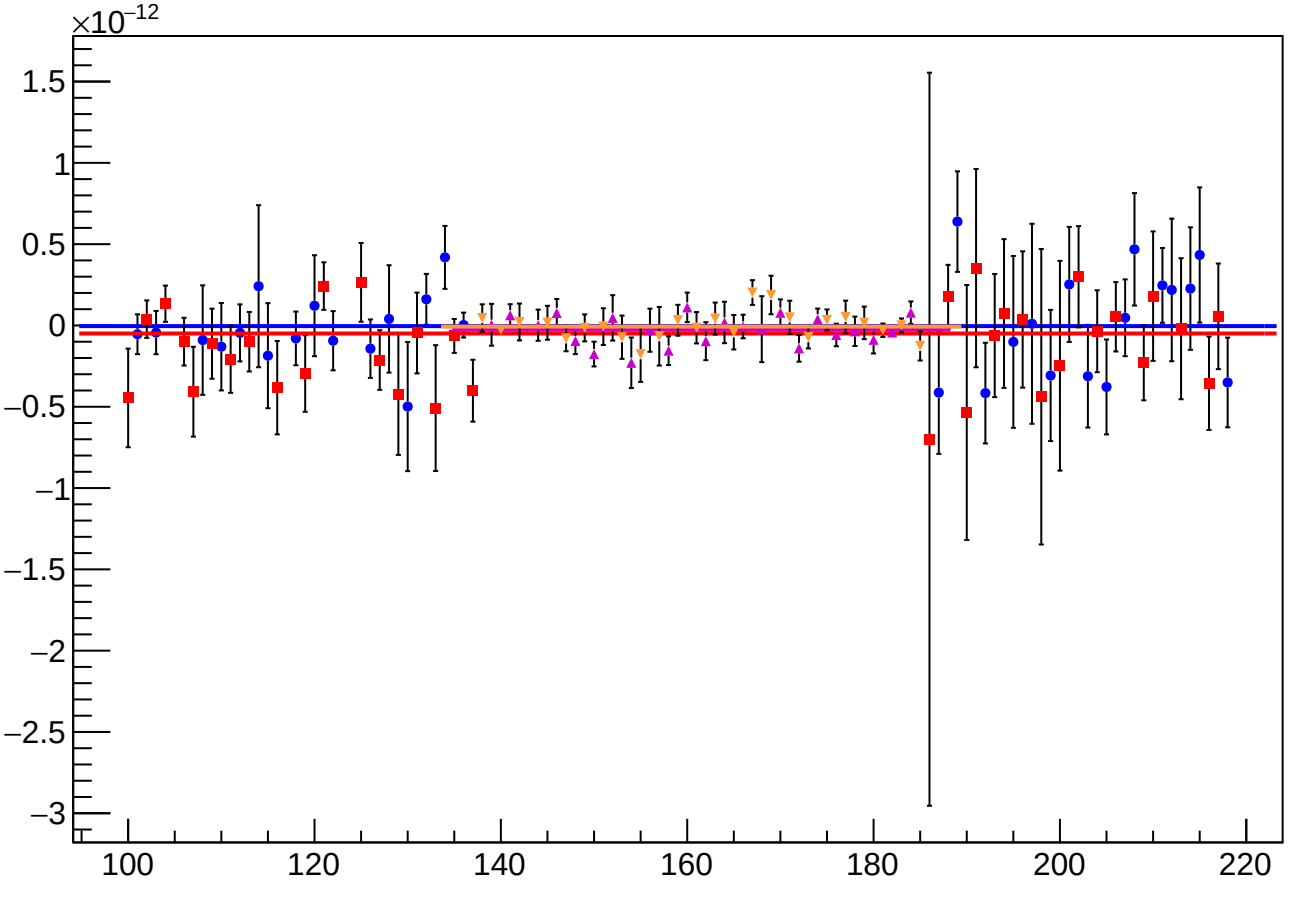
Right: 0.025+/-0.023 χ^2/NDF: 81.2/66

In: -0.018+/-0.031 χ^2/NDF:65.7/54

Out: 0.042+/-0.029 χ^2/NDF:73.1/58

All: 0.013+/-0.021 χ^2/NDF: 140.8/113


asym_usl_atl2_avg_eigen_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: 1795386.2/31
Left Out: 337.939+/-0.060 χ²/NDF:4517201.8/23
Right Out: 128.179+/-0.022 χ²/NDF: 3338662.2/34
Left In: 331.161+/-0.059 χ²/NDF:4106963.1/22
Left: 334.468+/-0.042 χ²/NDF: 8630607.3/46
Right: 134.197+/-0.016 χ²/NDF: 5297977.7/66
In: 167.128+/-0.022 χ²/NDF:14861039.1/54
Out: 152.385+/-0.021 χ²/NDF:18514228.8/58
All: 159.311+/-0.015 χ²/NDF: 33617579.4/11



Right In: -0.000+/-0.000 χ^2/NDF: 27.2/31

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.6/34

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

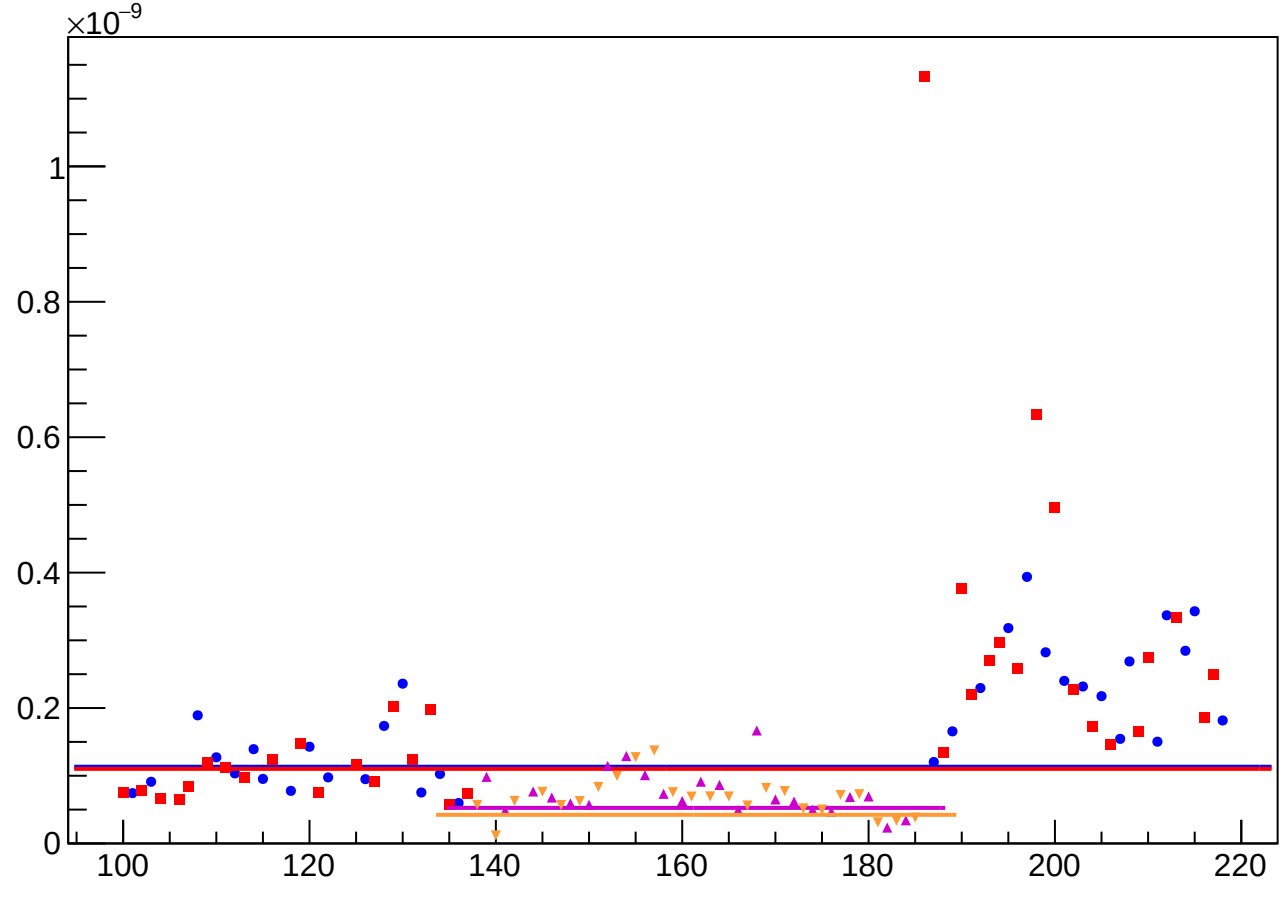
Right: -0.000+/-0.000 χ^2/NDF: 56.5/66

In: -0.000+/-0.000 χ^2/NDF:50.3/54

Out: -0.000+/-0.000 χ^2/NDF:47.8/58

All: -0.000+/-0.000 χ^2/NDF: 98.4/113

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 6717268.5/34

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

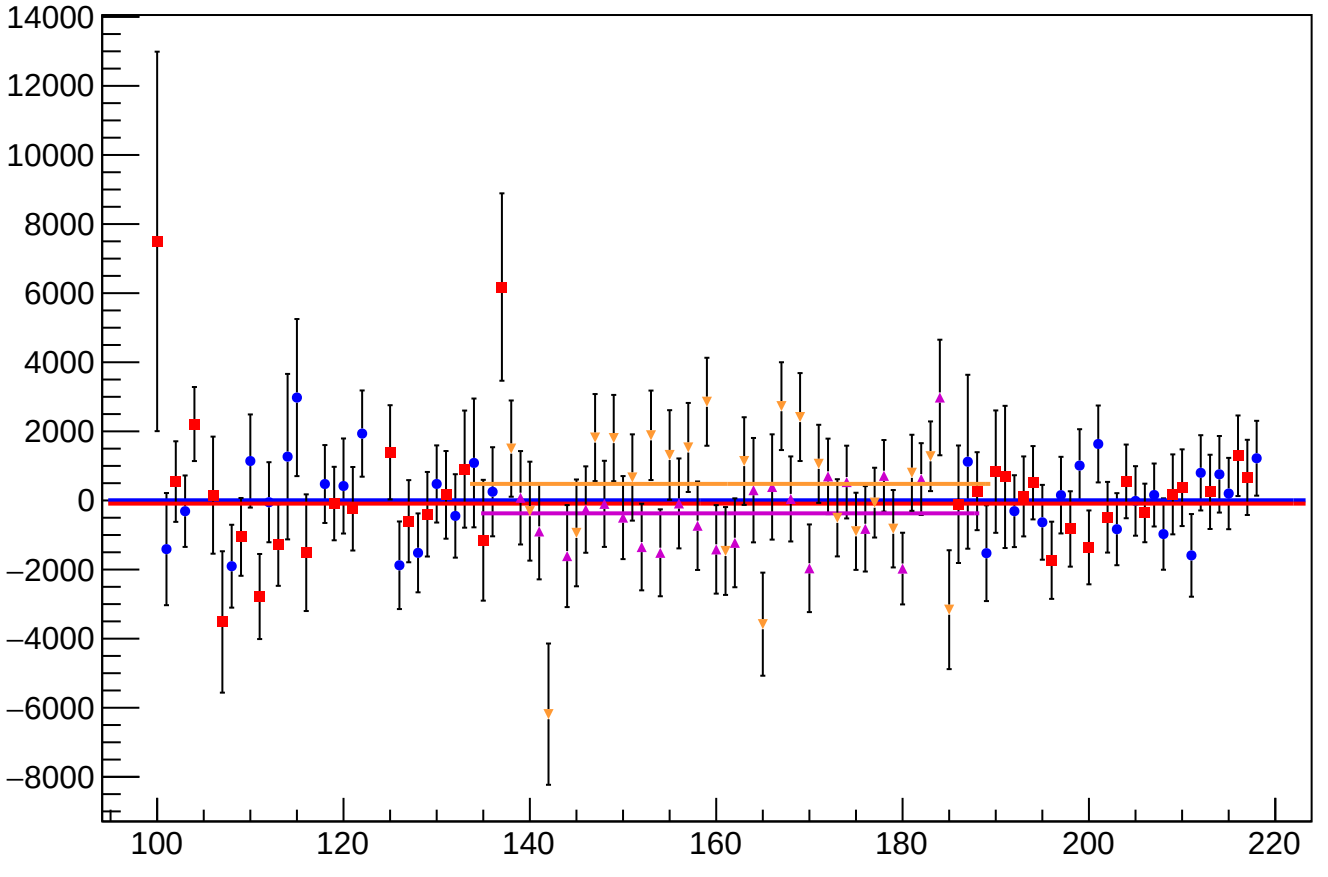
Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

Right: 0.000+/-0.000 χ^2/NDF: 13002788.1/66

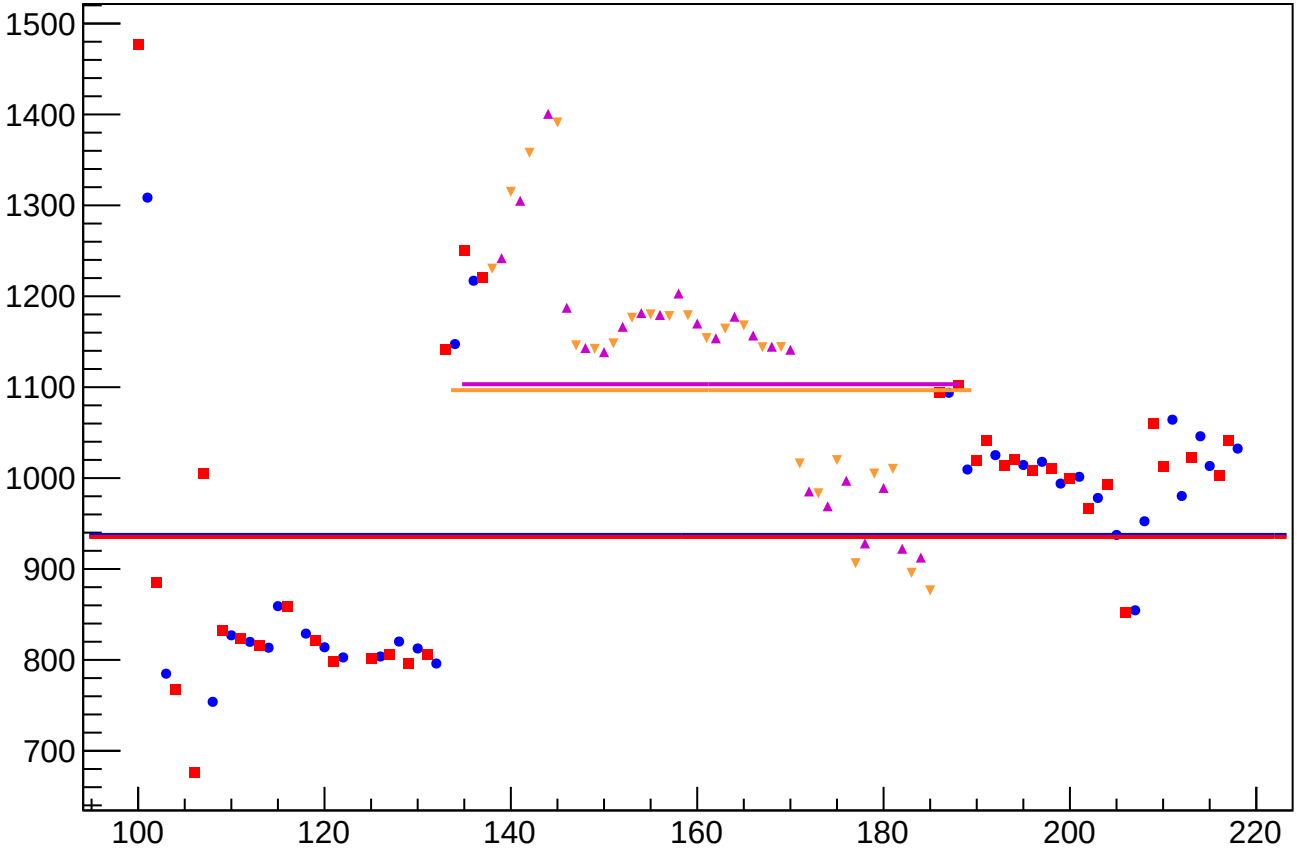
In: 0.000+/-0.000 χ^2/NDF:15553376.2/54

Out: 0.000+/-0.000 χ^2/NDF:19215091.3/58

All: 0.000+/-0.000 χ^2/NDF: 35353401.8/113


reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
220
Right In: 4.934+/-210.503 χ²/NDF: 24.0/31
Left Out: 479.555+/-256.330 χ²/NDF:45.2/23
Right Out: -91.590+/-209.787 χ²/NDF: 32.2/34
Left In: -372.926+/-259.314 χ²/NDF:16.0/22
Left: 58.248+/-182.298 χ²/NDF: 66.7/46
Right: -43.492+/-148.594 χ²/NDF: 56.2/66
In: -145.158+/-163.433 χ²/NDF:41.3/54
Out: 137.516+/-162.347 χ²/NDF:80.3/58
All: -2.879+/-115.179 χ²/NDF: 123.1/113

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: 935.241+/-0.148 χ^2/NDF: 684398.6/34

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

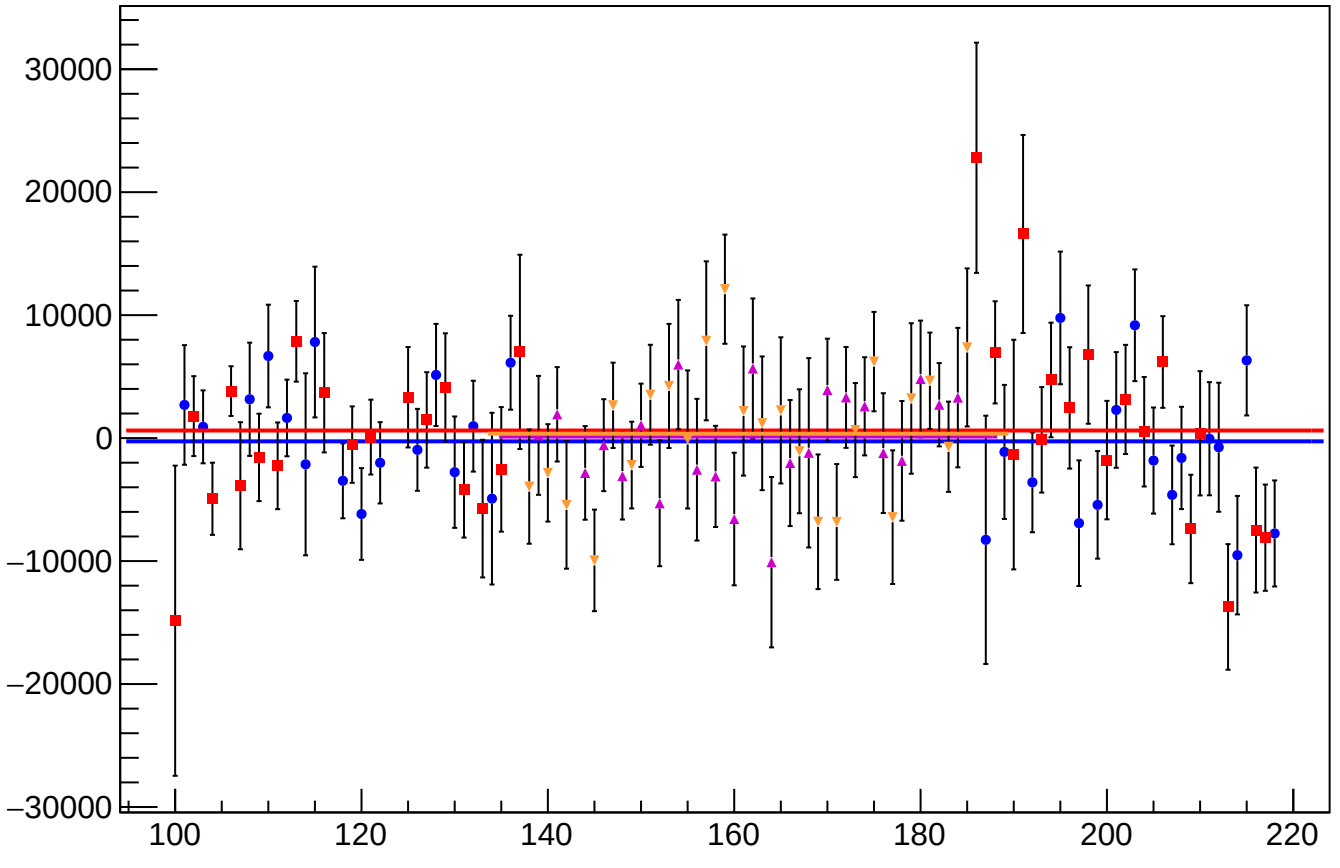
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 936.351+/-0.105 χ^2/NDF: 1345654.6/66

In: 1003.339+/-0.116 χ^2/NDF:1601521.2/54

Out: 999.600+/-0.114 χ^2/NDF:1642202.2/58

All: 1001.451+/-0.081 χ^2/NDF: 3244252.1/11



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: 616.423+/-699.543 χ^2/NDF: 54.7/34

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

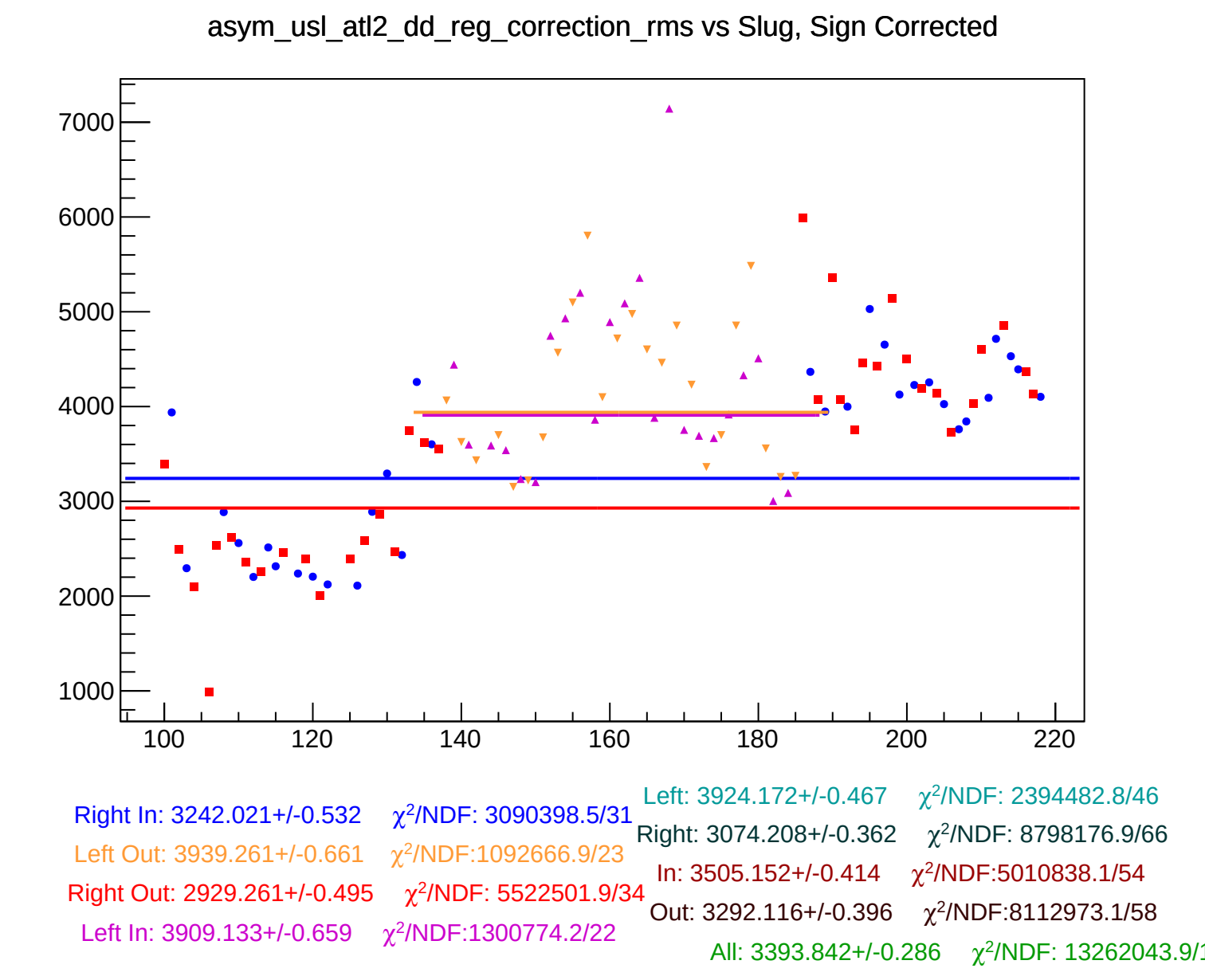
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

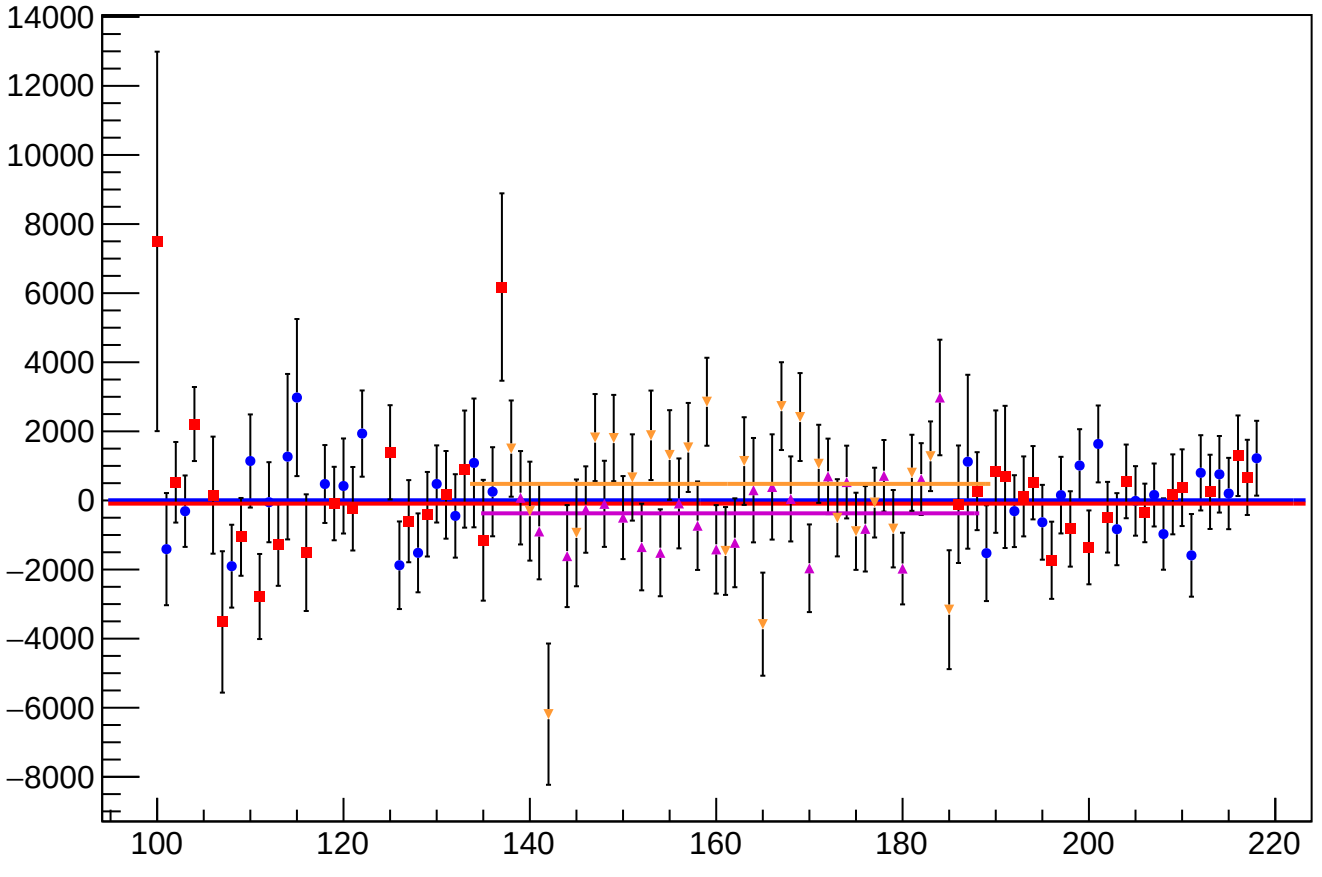
Right: 208.401+/-512.415 χ^2/NDF: 93.5/66

In: -109.889+/-585.738 χ^2/NDF:52.0/54

Out: 523.484+/-559.957 χ^2/NDF:85.0/58

All: 221.043+/-404.757 χ^2/NDF: 137.6/113


asym_usl_atl2_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 3242.021+/-0.532 χ²/NDF: 3090398.5/31
Left Out: 3939.261+/-0.661 χ²/NDF:1092666.9/23
Right Out: 2929.261+/-0.495 χ²/NDF: 5522501.9/34
Left In: 3909.133+/-0.659 χ²/NDF:1300774.2/22
Left: 3924.172+/-0.467 χ²/NDF: 2394482.8/46
Right: 3074.208+/-0.362 χ²/NDF: 8798176.9/66
In: 3505.152+/-0.414 χ²/NDF:5010838.1/54
Out: 3292.116+/-0.396 χ²/NDF:8112973.1/58
All: 3393.842+/-0.286 χ²/NDF: 13262043.9/1



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: -92.294+/-209.789 χ^2/NDF: 32.1/34

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

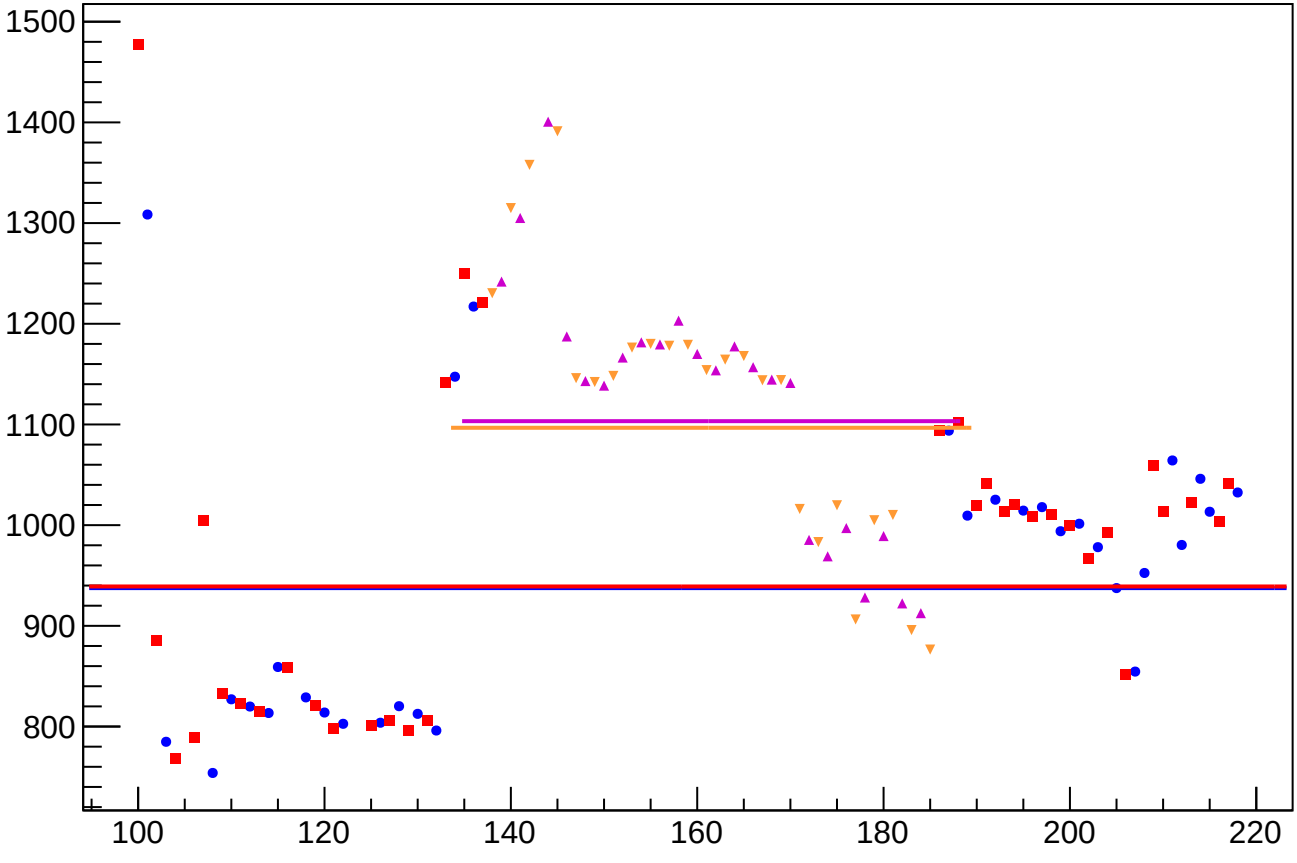
Right: -43.844+/-148.595 χ^2/NDF: 56.2/66

In: -145.147+/-163.433 χ^2/NDF:41.3/54

Out: 137.107+/-162.348 χ^2/NDF:80.3/58

All: -3.079+/-115.179 χ^2/NDF: 123.1/113

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: 939.098+/-0.148 χ^2/NDF: 623186.5/34

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

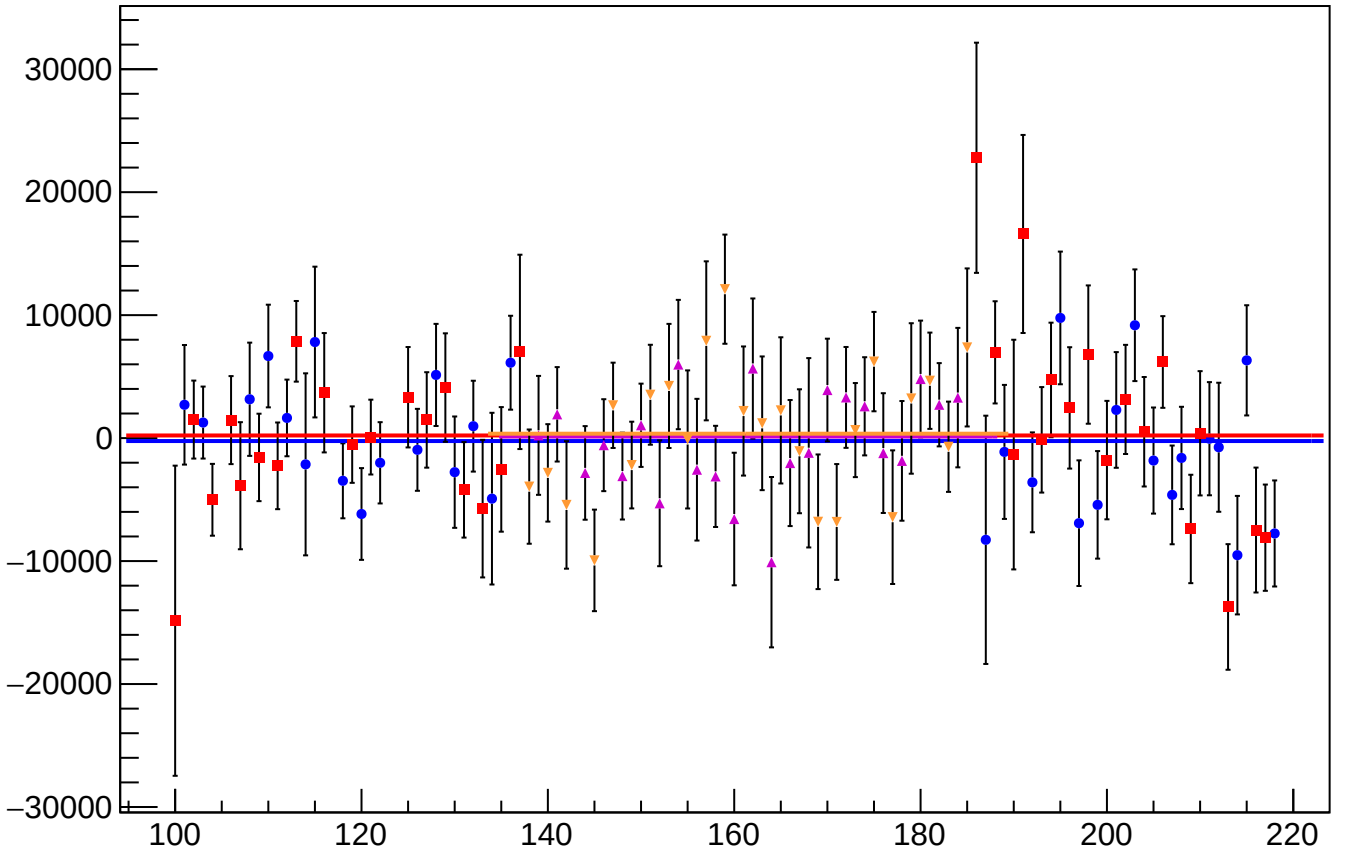
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 938.294+/-0.105 χ^2/NDF: 1284387.4/66

In: 1003.339+/-0.116 χ^2/NDF:1601521.2/54

Out: 1002.156+/-0.115 χ^2/NDF:1557324.3/58

All: 1002.743+/-0.081 χ^2/NDF: 3158898.3/11



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: 214.171+/-728.752 χ^2/NDF: 52.0/34

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

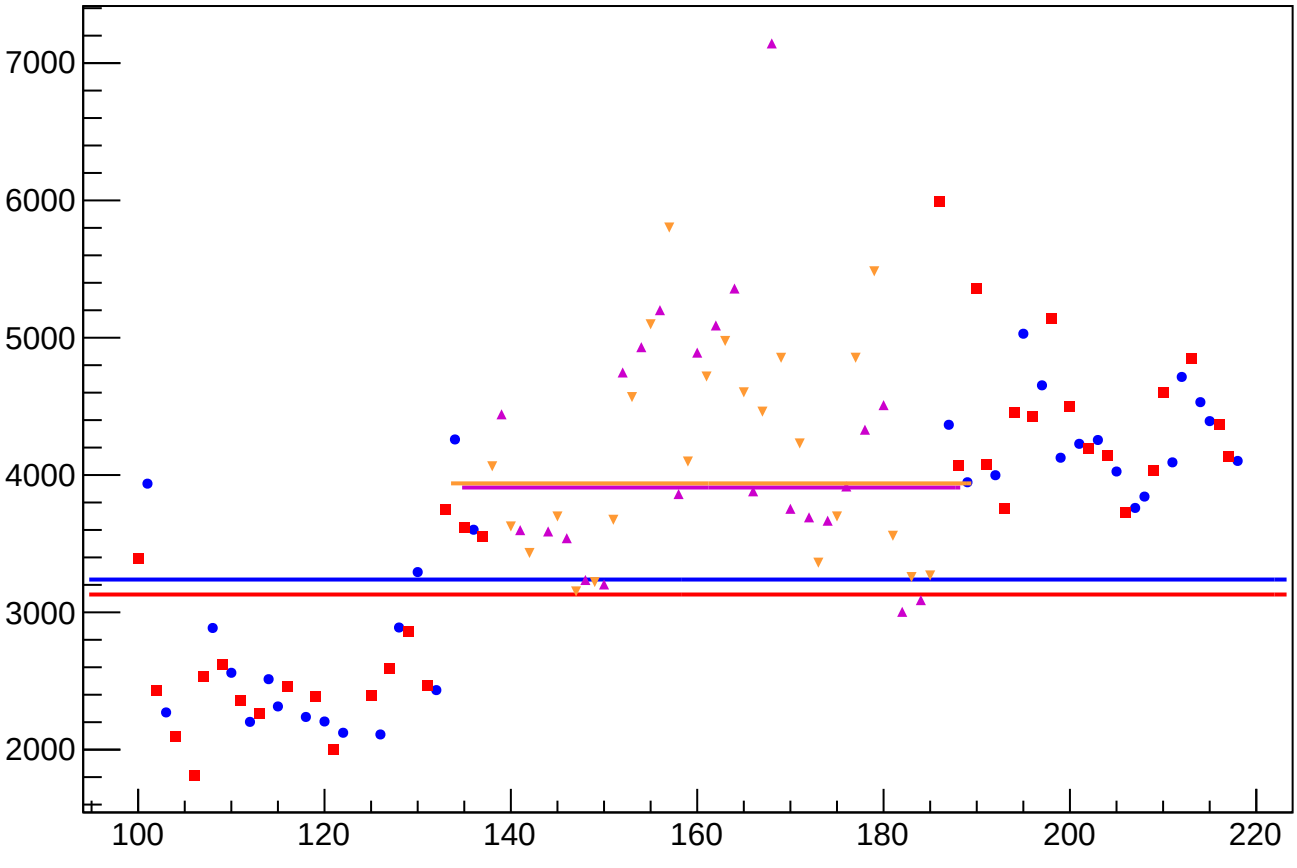
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

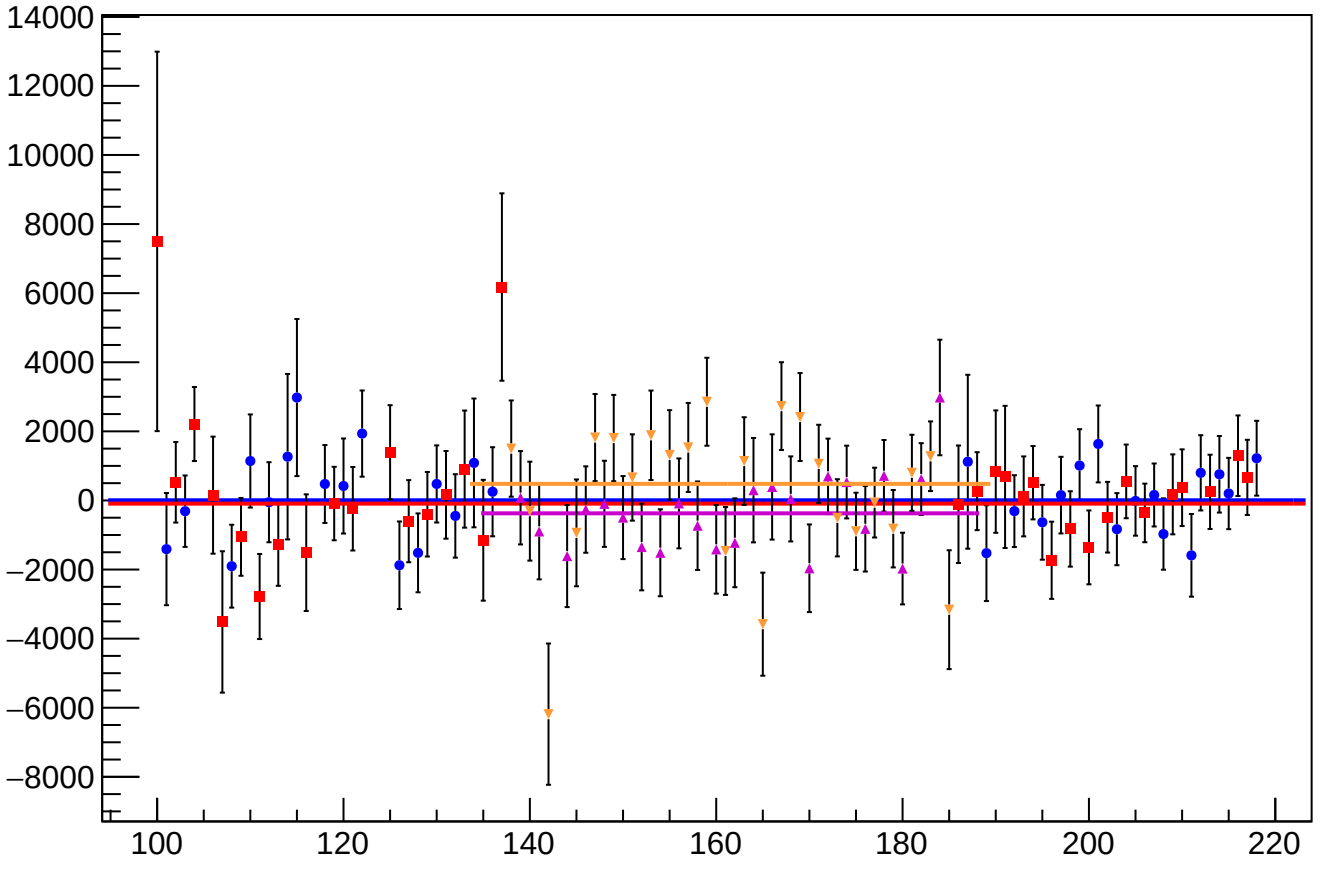
Right: -5.168+/-523.349 χ^2/NDF: 90.4/66

In: -94.784+/-585.432 χ^2/NDF:52.1/54

Out: 268.479+/-574.605 χ^2/NDF:82.3/58

All: 90.237+/-410.082 χ^2/NDF: 134.6/113


asym_usl_atl2_dd_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 3238.860+/-0.532 χ²/NDF: 3106046.6/31
Left Out: 3939.266+/-0.661 χ²/NDF:1092657.5/23
Right Out: 3129.854+/-0.515 χ²/NDF: 3738841.5/34
Left In: 3909.128+/-0.659 χ²/NDF:1300782.7/22
Left: 3924.171+/-0.467 χ²/NDF: 2394482.7/46
Right: 3182.642+/-0.370 χ²/NDF: 6866557.8/66
In: 3502.960+/-0.414 χ²/NDF:5032796.3/54
Out: 3436.057+/-0.406 χ²/NDF:5764857.5/58
All: 3468.884+/-0.290 χ²/NDF: 10810957.7/



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: -92.294+/-209.789 χ^2/NDF: 32.1/34

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

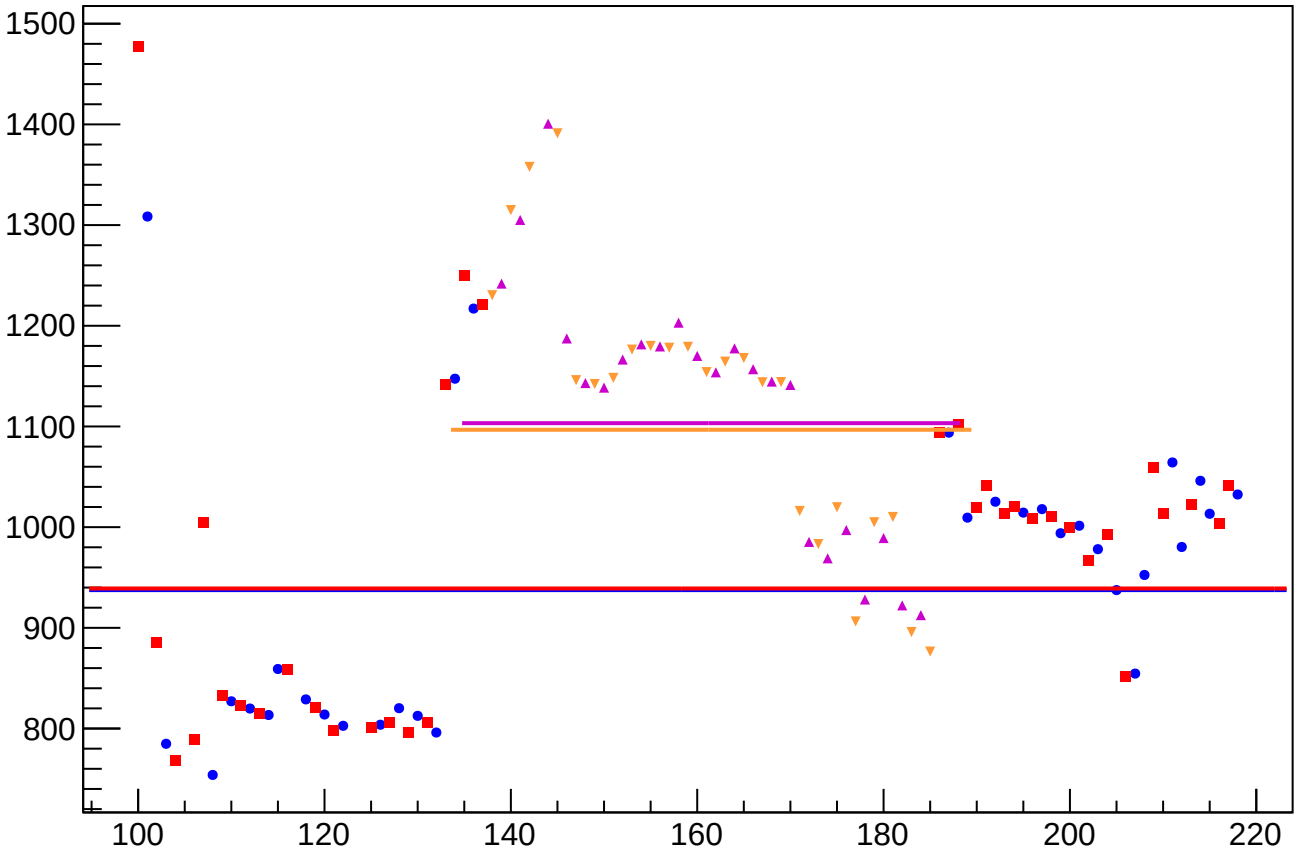
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -43.844+/-148.595 χ^2/NDF: 56.2/66

In: -145.147+/-163.433 χ^2/NDF:41.3/54

Out: 137.107+/-162.348 χ^2/NDF:80.3/58

All: -3.079+/-115.179 χ^2/NDF: 123.1/113



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: 939.098+/-0.148 χ^2/NDF: 623186.5/34

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

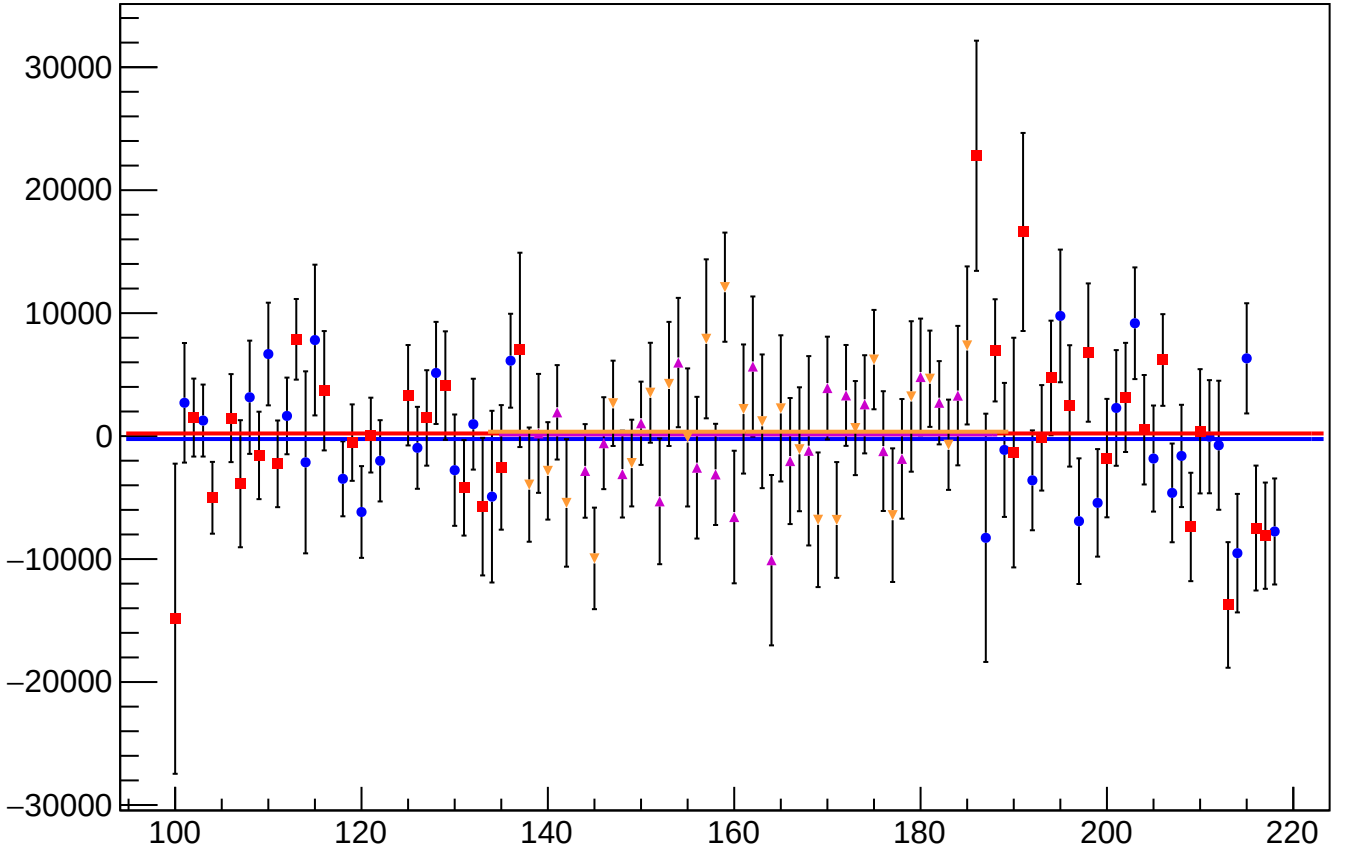
Right: 938.294+/-0.105 χ^2/NDF: 1284387.4/66

In: 1003.339+/-0.116 χ^2/NDF:1601521.2/54

Out: 1002.156+/-0.115 χ^2/NDF:1557324.3/58

All: 1002.743+/-0.081 χ^2/NDF: 3158898.3/11

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 214.171+/-728.752 χ^2/NDF: 52.0/34

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

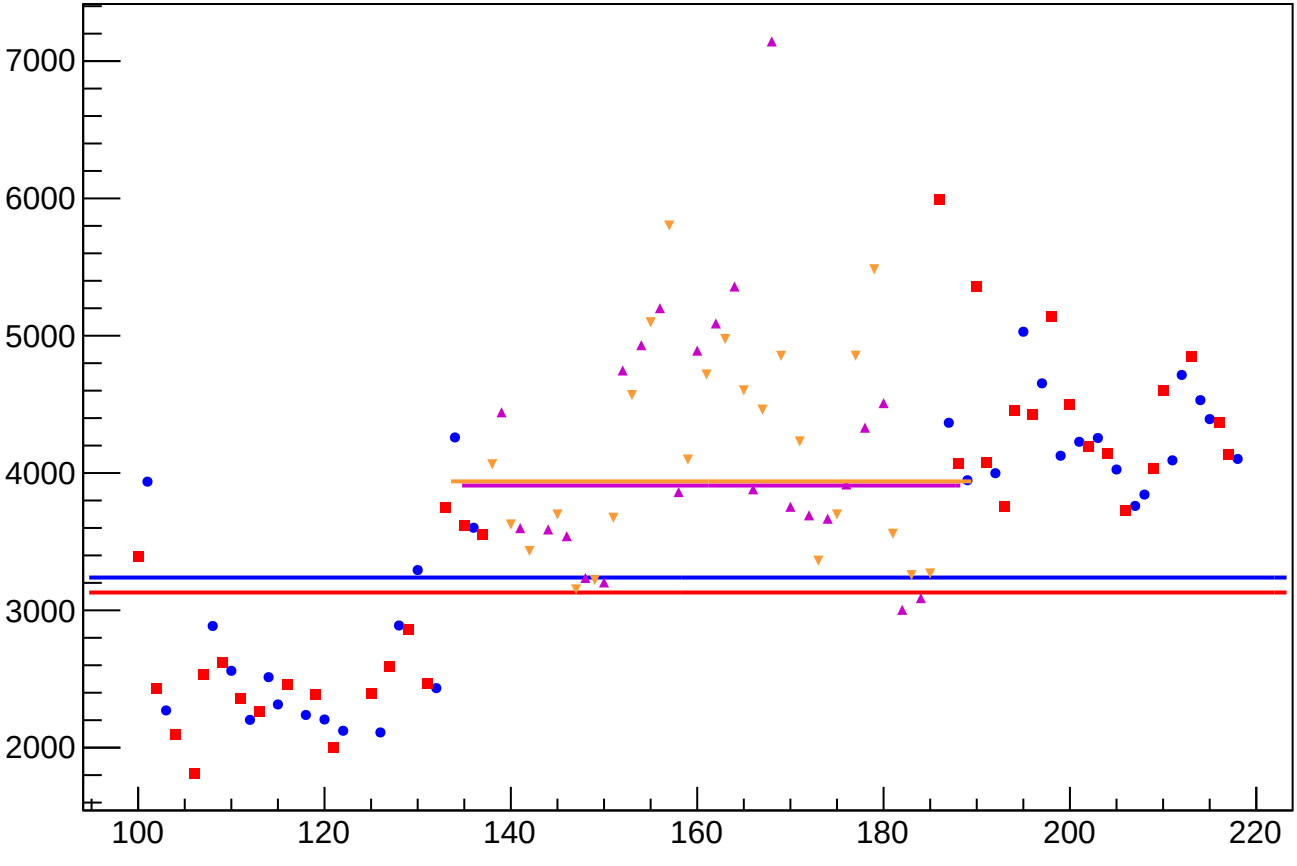
Right: -5.168+/-523.349 χ^2/NDF: 90.4/66

In: -94.784+/-585.432 χ^2/NDF:52.1/54

Out: 268.479+/-574.605 χ^2/NDF:82.3/58

All: 90.237+/-410.082 χ^2/NDF: 134.6/113

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 3129.854+/-0.515 χ^2/NDF: 3738841.5/34

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

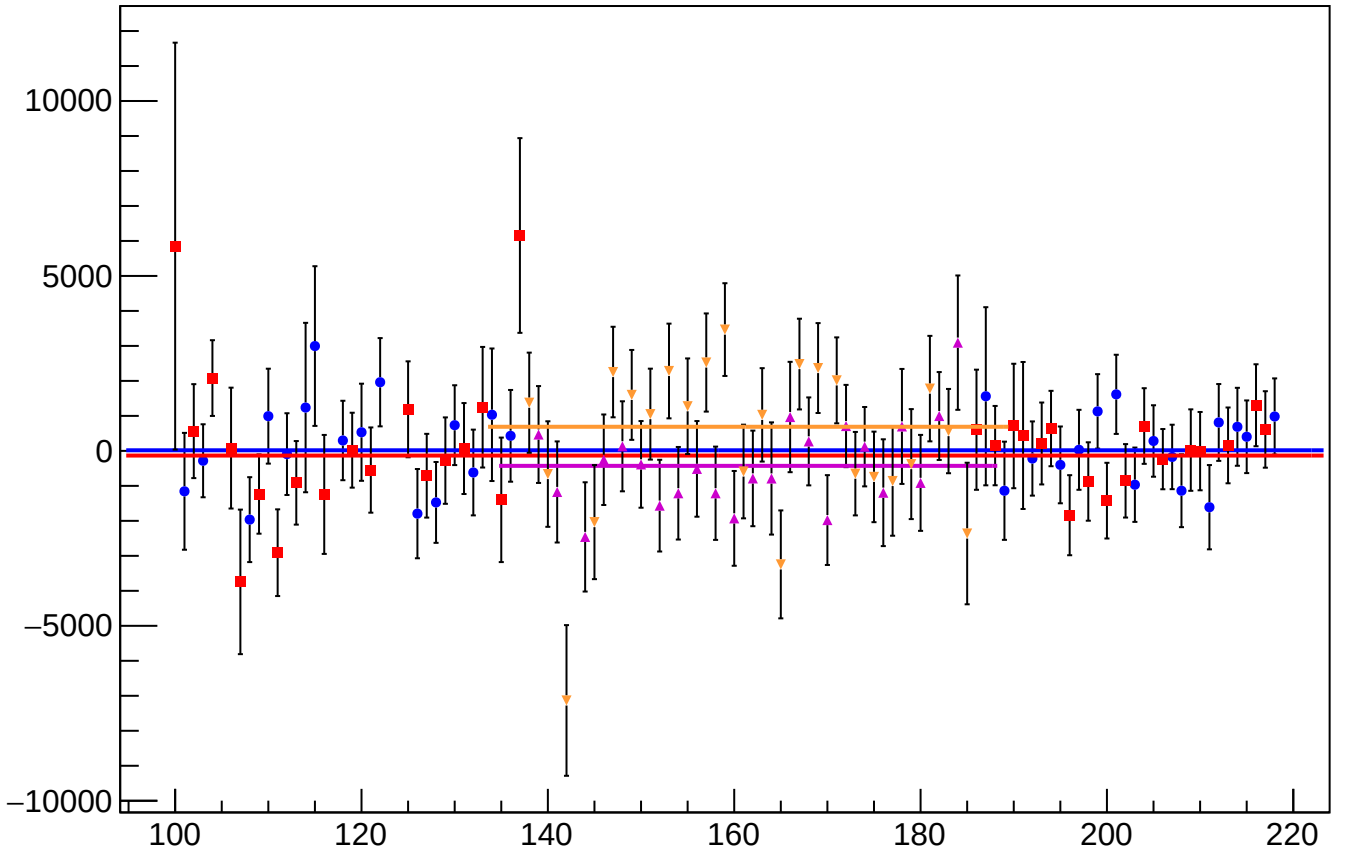
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 3182.642+/-0.370 χ^2/NDF: 6866557.8/66

In: 3502.960+/-0.414 χ^2/NDF:5032796.3/54

Out: 3436.057+/-0.406 χ^2/NDF:5764857.5/58

All: 3468.884+/-0.290 χ^2/NDF: 10810957.7/1



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: -133.740+/-213.078 χ^2/NDF: 31.4/34

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

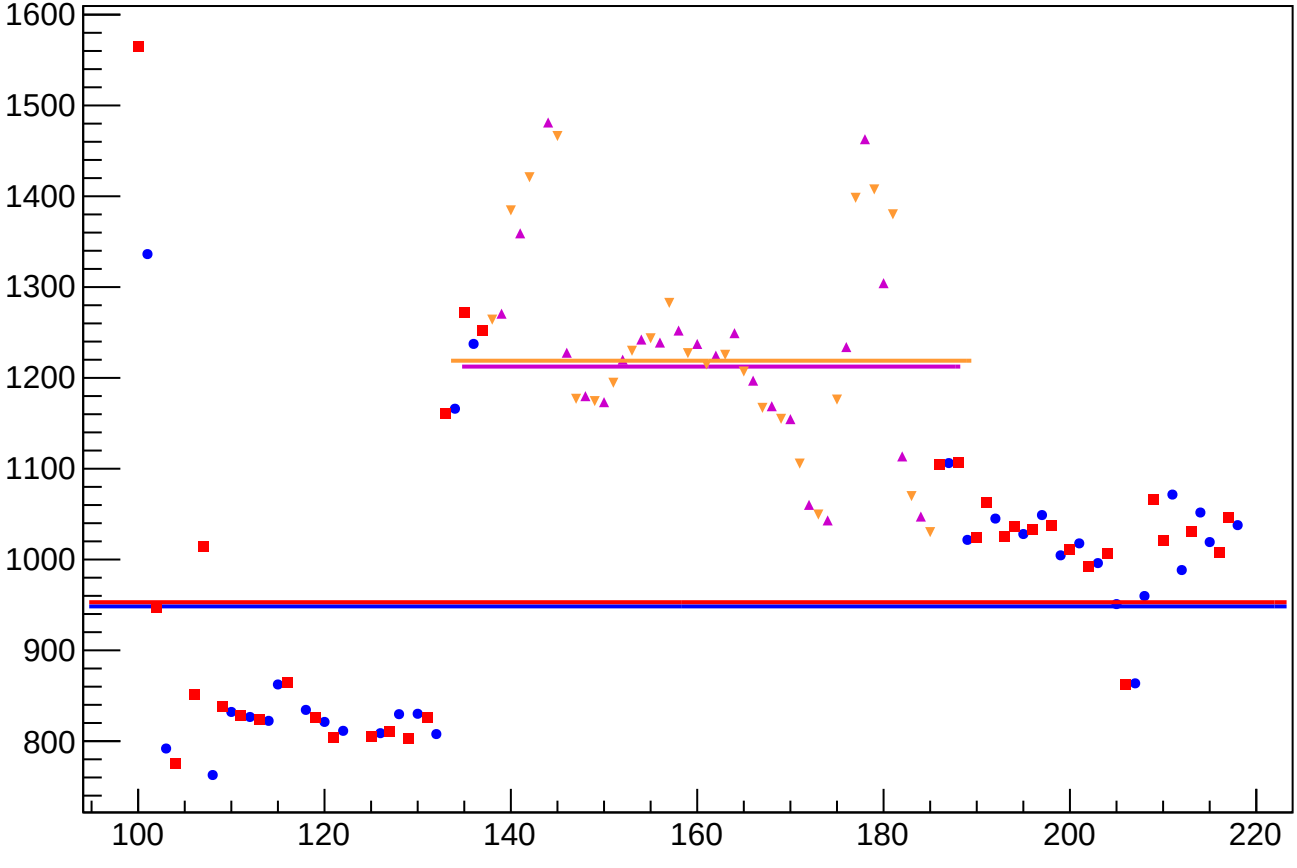
Right: -58.377+/-150.660 χ^2/NDF: 54.9/66

In: -143.014+/-170.509 χ^2/NDF:39.4/54

Out: 162.099+/-170.524 χ^2/NDF:82.5/58

All: 9.530+/-120.573 χ^2/NDF: 123.5/113

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: 953.008+/-0.151 χ^2/NDF: 621532.4/34

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

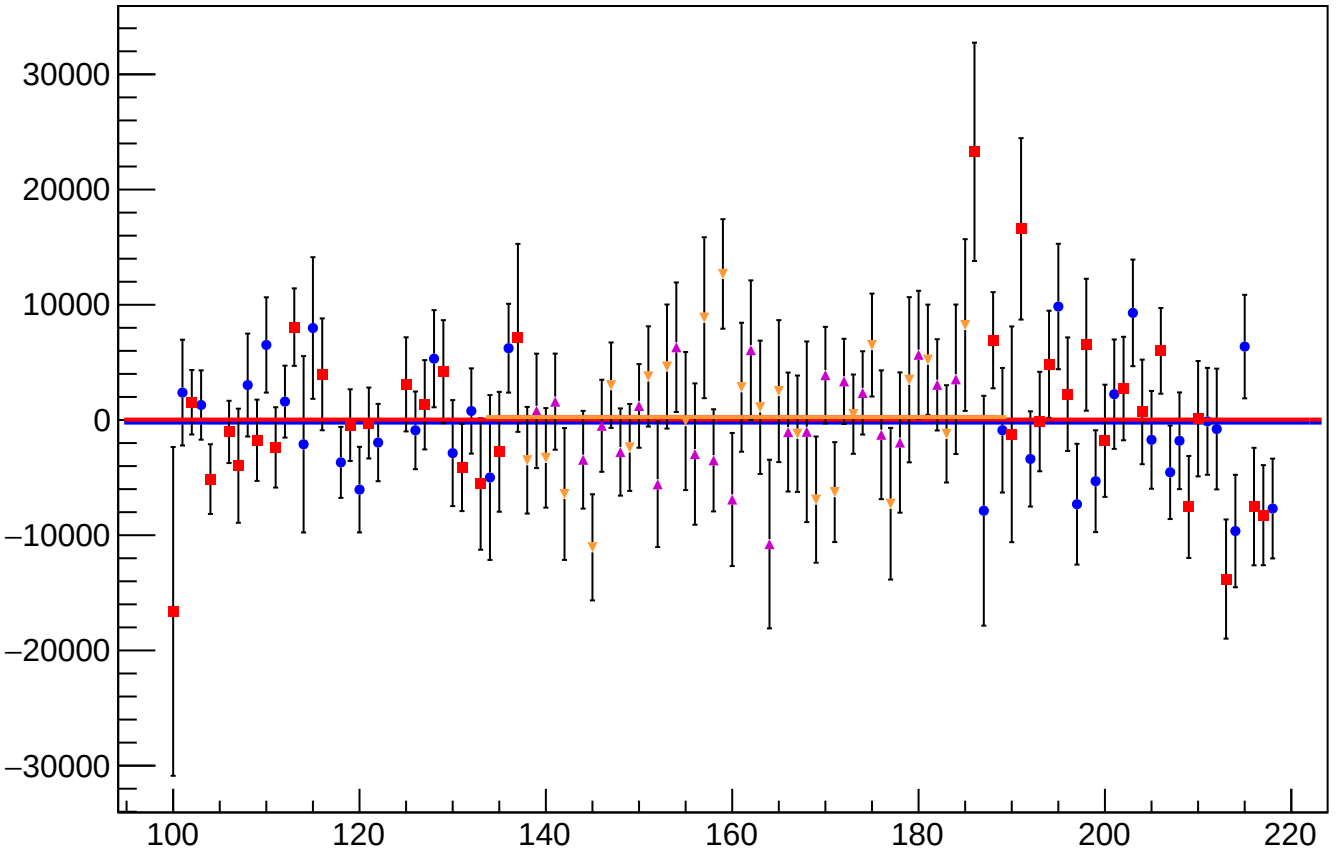
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 950.705+/-0.107 χ^2/NDF: 1297203.5/66

In: 1043.323+/-0.121 χ^2/NDF:2039874.3/54

Out: 1048.565+/-0.121 χ^2/NDF:2035703.9/58

All: 1045.945+/-0.085 χ^2/NDF: 4076523.5/11



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: 38.253+/-715.909 χ^2/NDF: 52.0/34

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

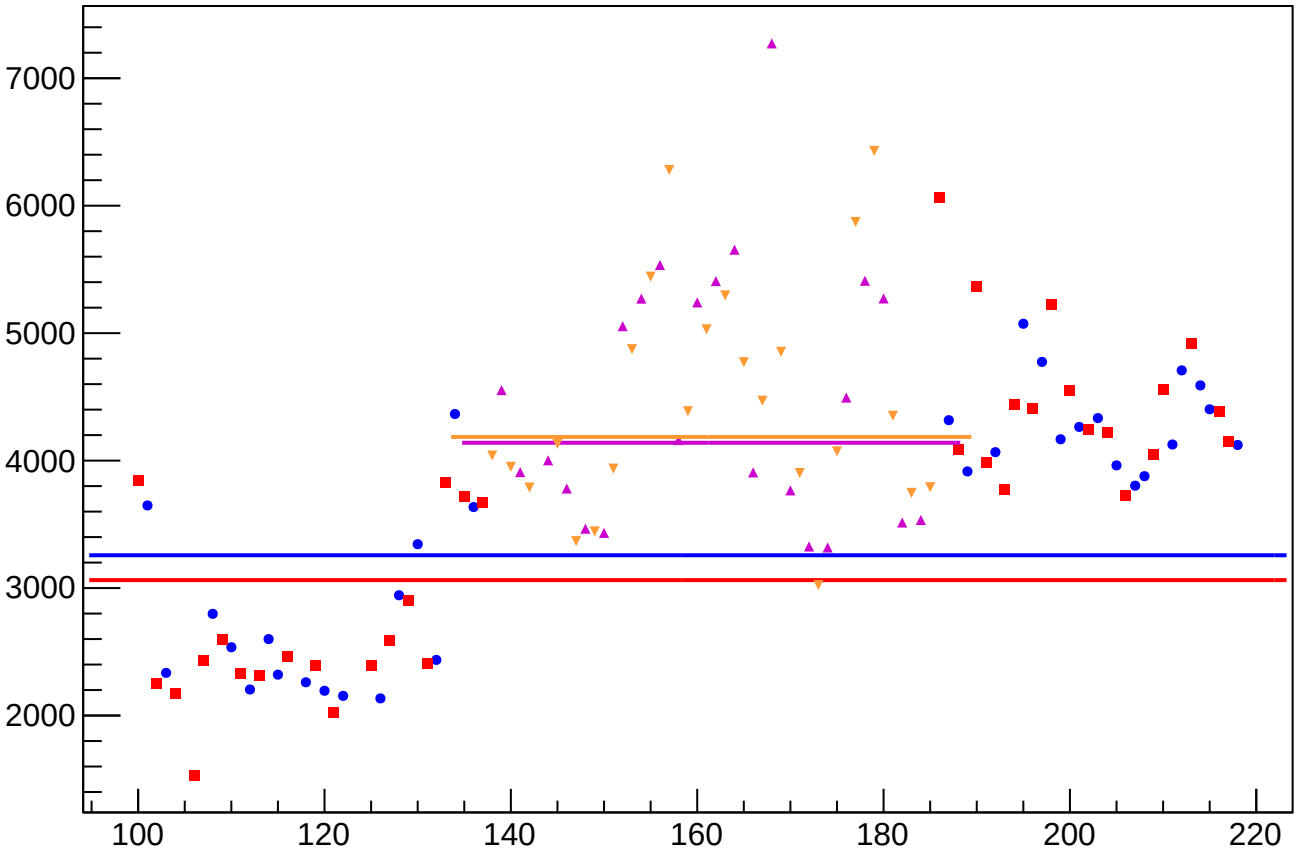
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: -85.840+/-520.018 χ^2/NDF: 89.9/66

In: -43.540+/-601.170 χ^2/NDF:51.5/54

Out: 111.423+/-581.151 χ^2/NDF:81.7/58

All: 36.564+/-417.834 χ^2/NDF: 133.2/113



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: 3062.401+/-0.506 χ^2/NDF: 4273055.0/34

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

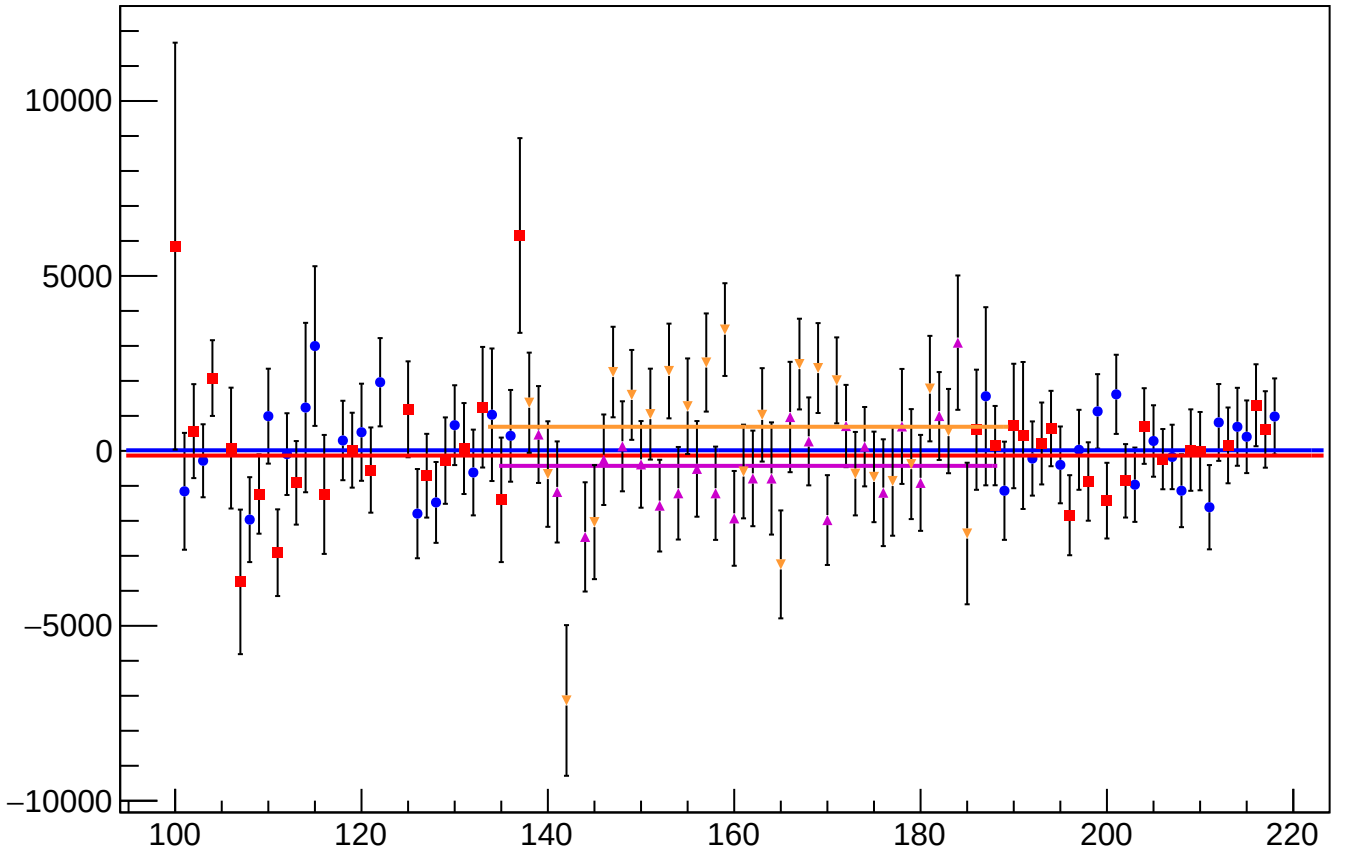
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 3154.546+/-0.368 χ^2/NDF: 7424768.8/66

In: 3582.859+/-0.425 χ^2/NDF:5534842.4/54

Out: 3445.472+/-0.411 χ^2/NDF:7223381.8/58

All: 3511.840+/-0.295 χ^2/NDF: 12812219.2/1



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: -133.740+/-213.078 χ^2/NDF: 31.4/34

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

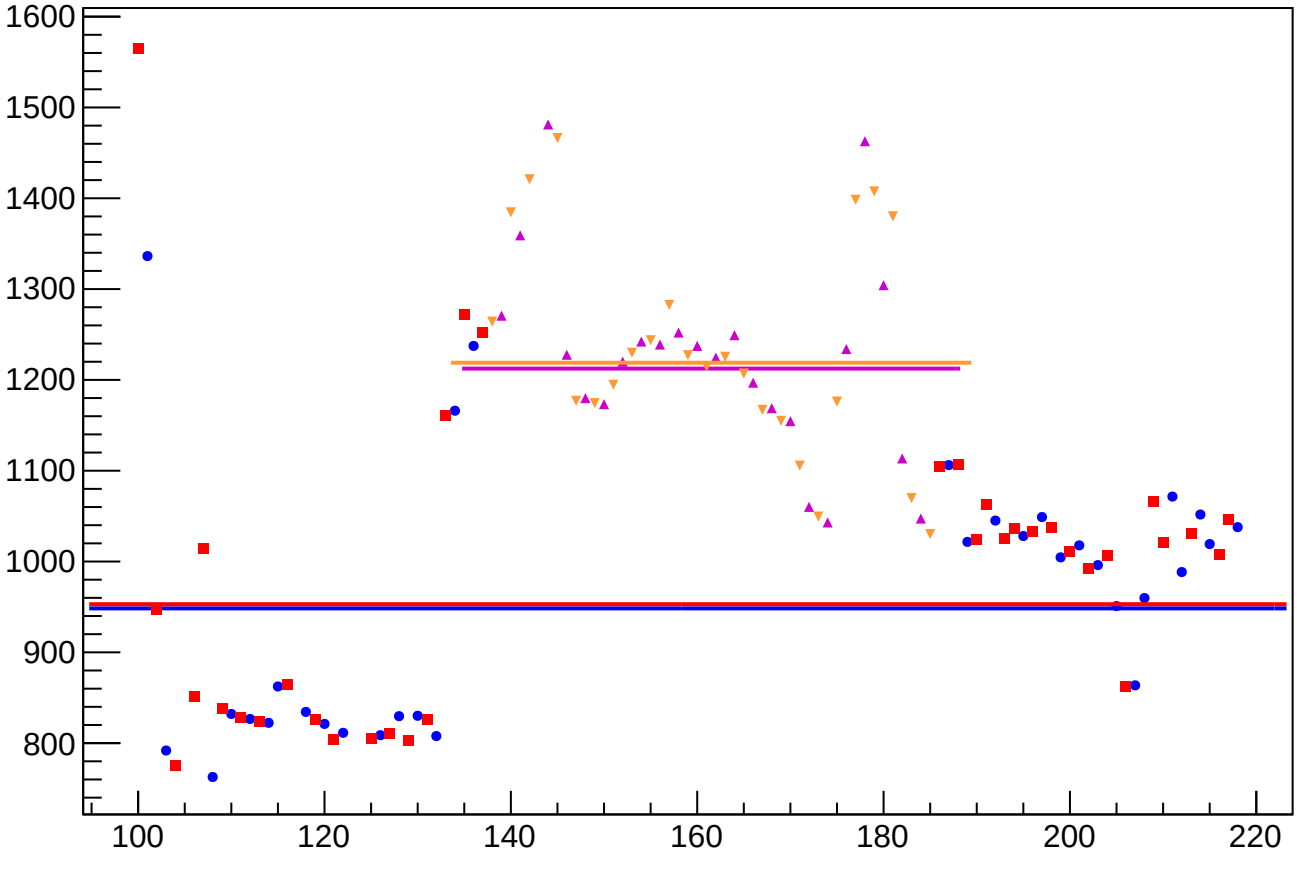
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -58.378+/-150.660 χ^2/NDF: 54.9/66

In: -143.014+/-170.509 χ^2/NDF:39.4/54

Out: 162.099+/-170.524 χ^2/NDF:82.5/58

All: 9.530+/-120.573 χ^2/NDF: 123.5/113



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: 953.008+/-0.151 χ^2/NDF: 621532.7/34

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

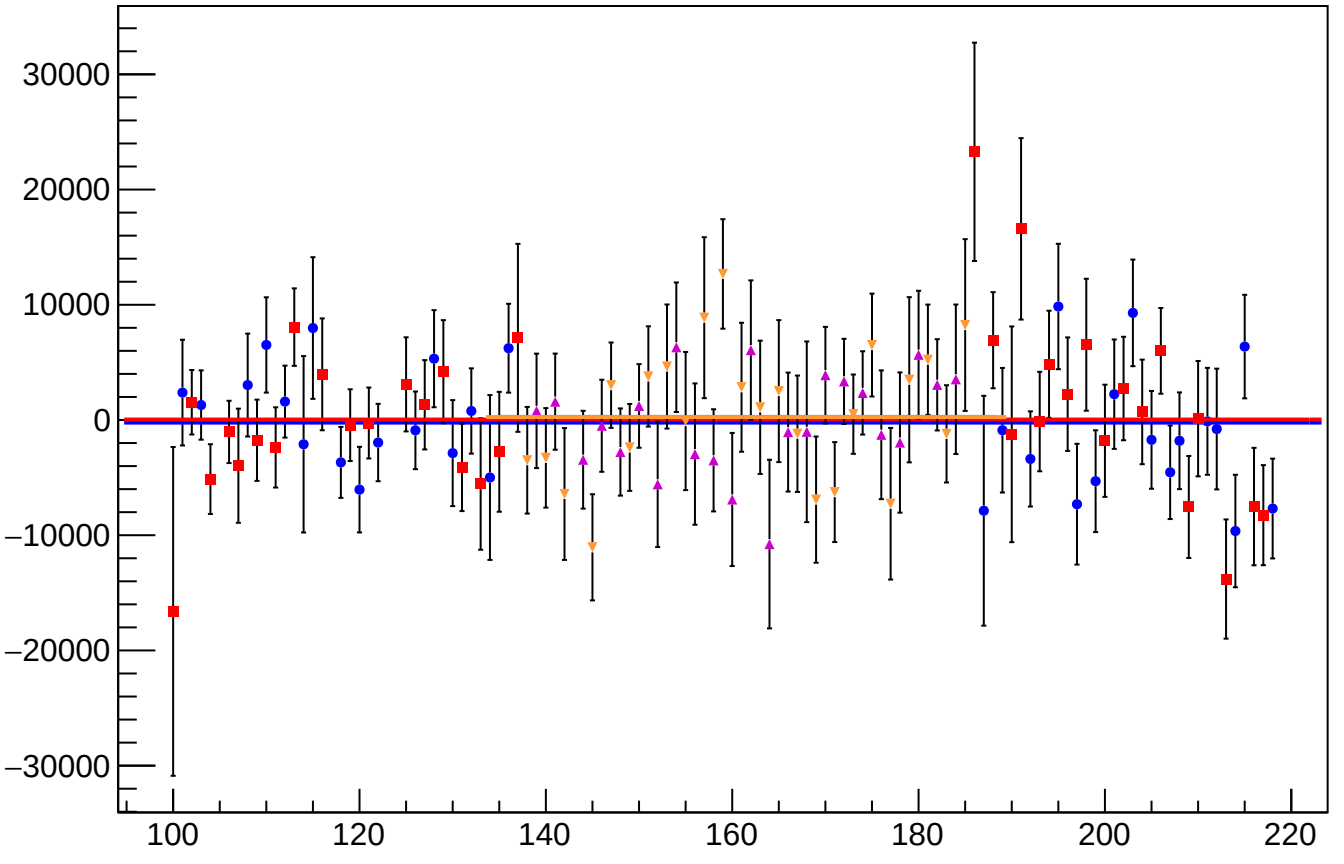
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 950.705+/-0.107 χ^2/NDF: 1297203.6/66

In: 1043.324+/-0.121 χ^2/NDF:2039890.4/54

Out: 1048.566+/-0.121 χ^2/NDF:2035722.2/58

All: 1045.945+/-0.085 χ^2/NDF: 4076558.0/11



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: 38.250+/-715.908 χ^2/NDF: 52.0/34

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

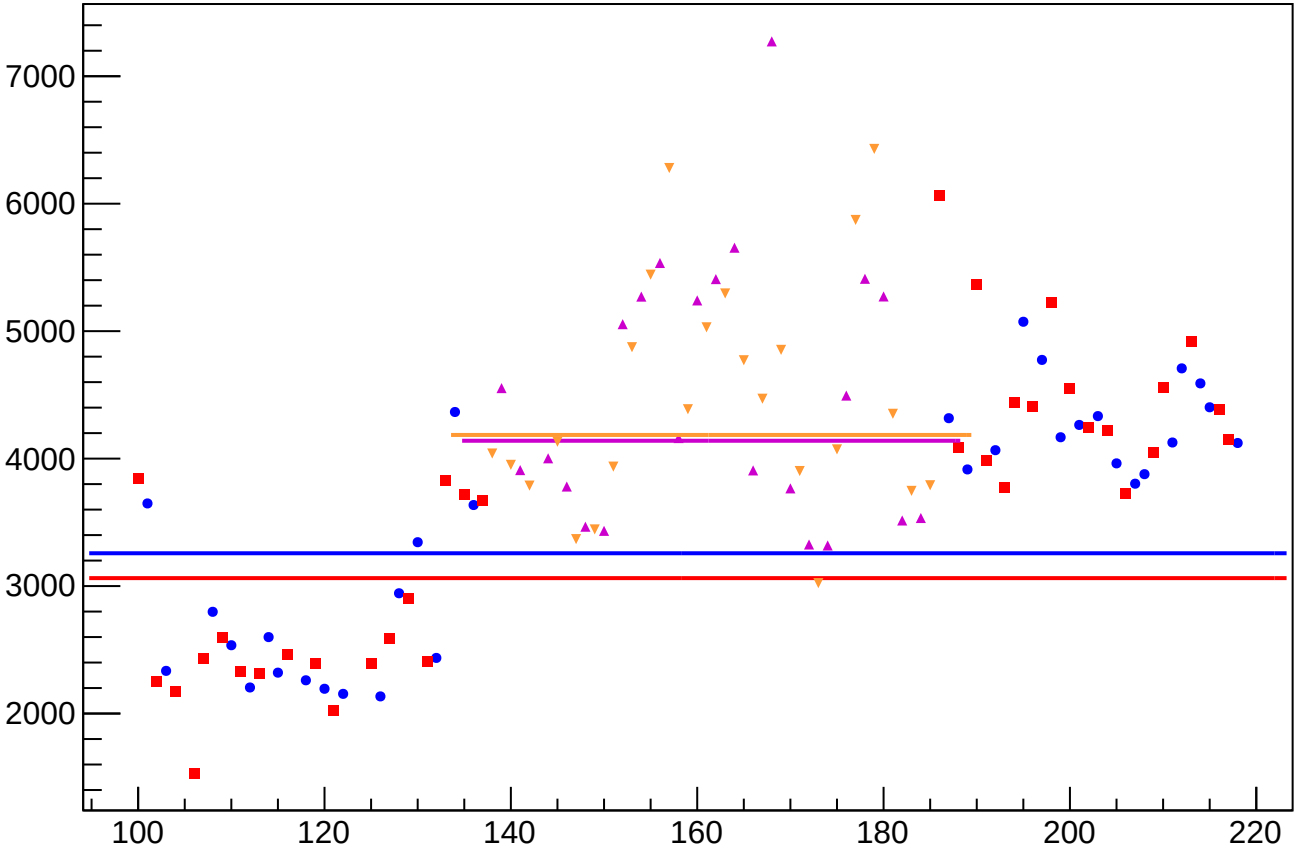
Right: -85.842+/-520.018 χ^2/NDF: 89.9/66

In: -43.541+/-601.170 χ^2/NDF:51.5/54

Out: 111.421+/-581.150 χ^2/NDF:81.7/58

All: 36.563+/-417.834 χ^2/NDF: 133.2/113

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: 3062.396+/-0.506 χ^2/NDF: 4273100.9/34

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

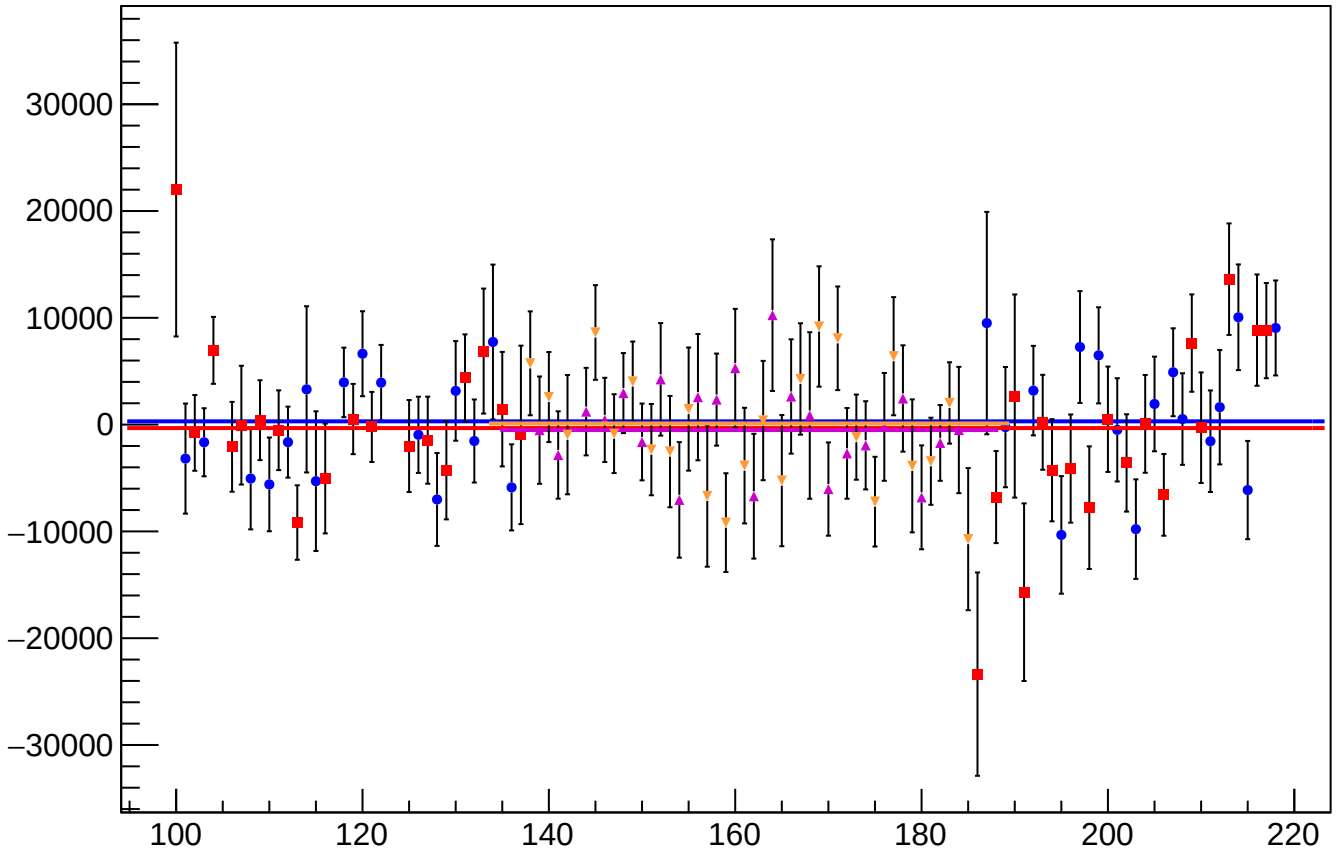
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 3154.540+/-0.368 χ^2/NDF: 7424873.6/66

In: 3582.857+/-0.425 χ^2/NDF:5534927.9/54

Out: 3445.469+/-0.411 χ^2/NDF:7223465.0/58

All: 3511.838+/-0.295 χ^2/NDF: 12812388.7/1



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: -324.190+/-768.725 χ^2/NDF: 54.8/34

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

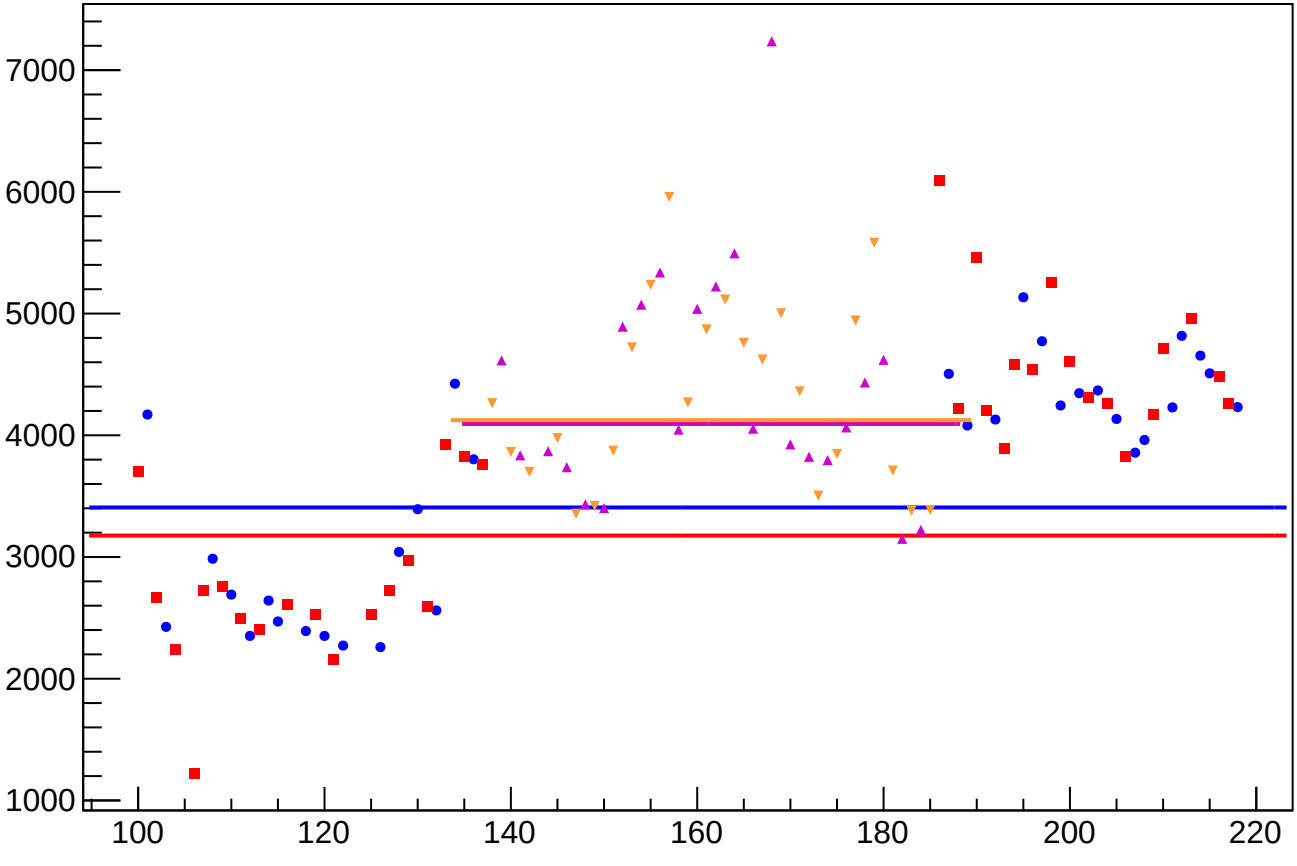
Right: -16.446+/-550.183 χ^2/NDF: 96.7/66

In: -15.797+/-612.554 χ^2/NDF:55.5/54

Out: -158.271+/-603.805 χ^2/NDF:83.0/58

All: -88.059+/-430.015 χ^2/NDF: 138.5/113

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: 3175.795+/-0.528 χ^2/NDF: 4399333.3/34

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

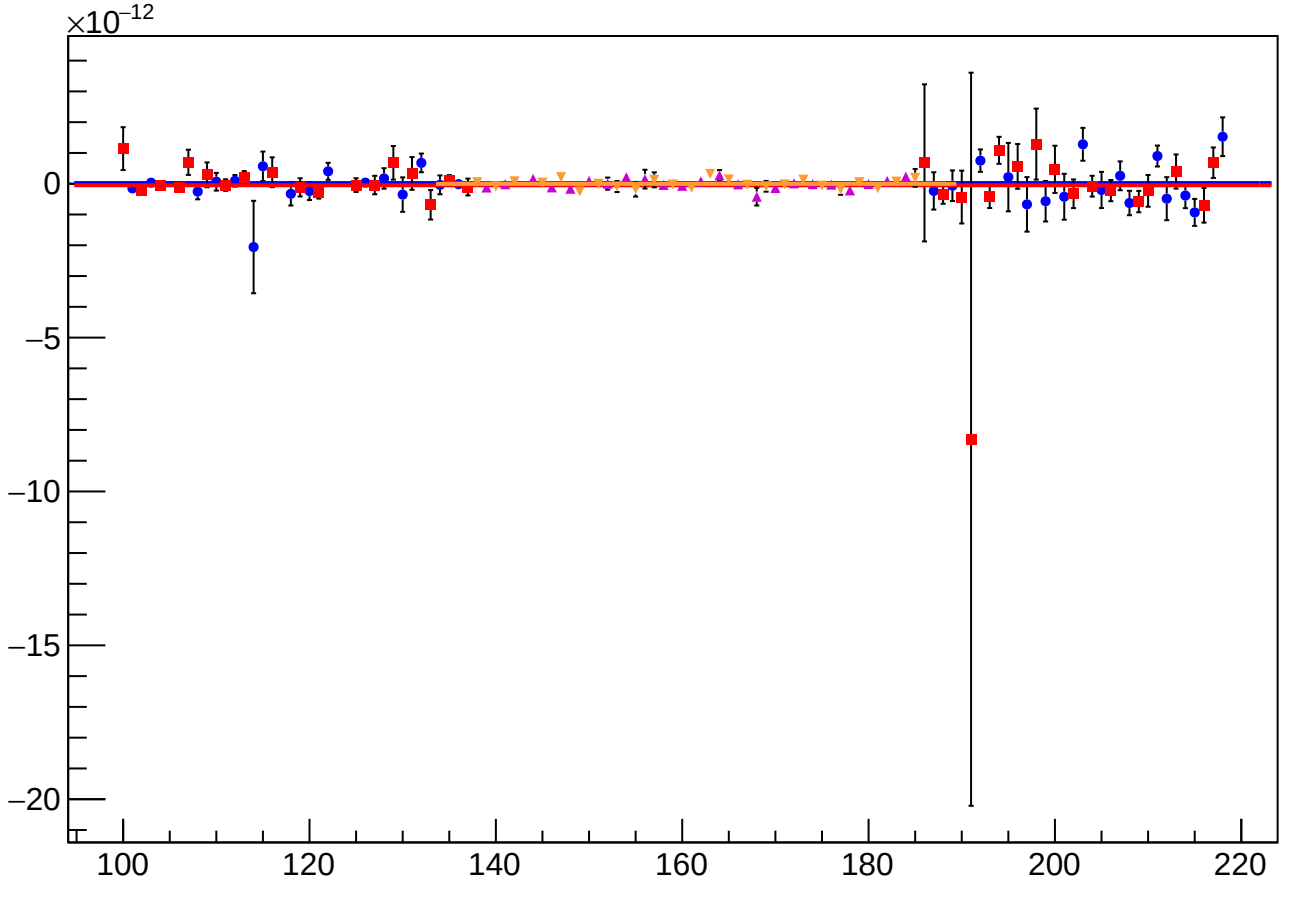
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3285.208+/-0.383 χ^2/NDF: 7262308.0/66

In: 3678.217+/-0.433 χ^2/NDF:4535024.8/54

Out: 3526.350+/-0.419 χ^2/NDF:6561632.6/58

All: 3599.827+/-0.301 χ^2/NDF: 11160113.4/1



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: 36.3/34

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

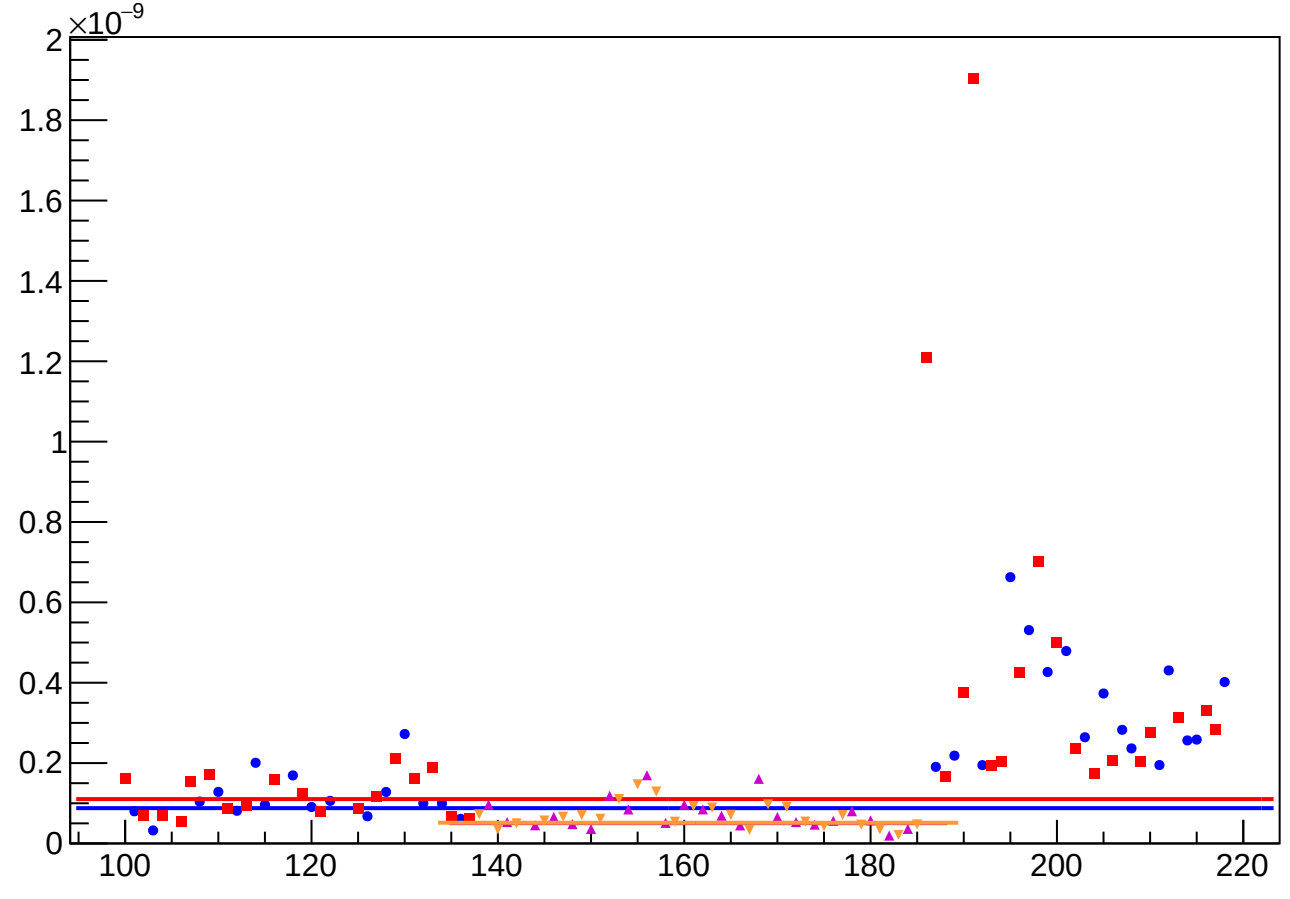
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 86.3/66

In: 0.000+/-0.000 χ^2/NDF:74.4/54

Out: -0.000+/-0.000 χ^2/NDF:61.2/58

All: 0.000+/-0.000 χ^2/NDF: 136.9/113



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: 5036893.1/34

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

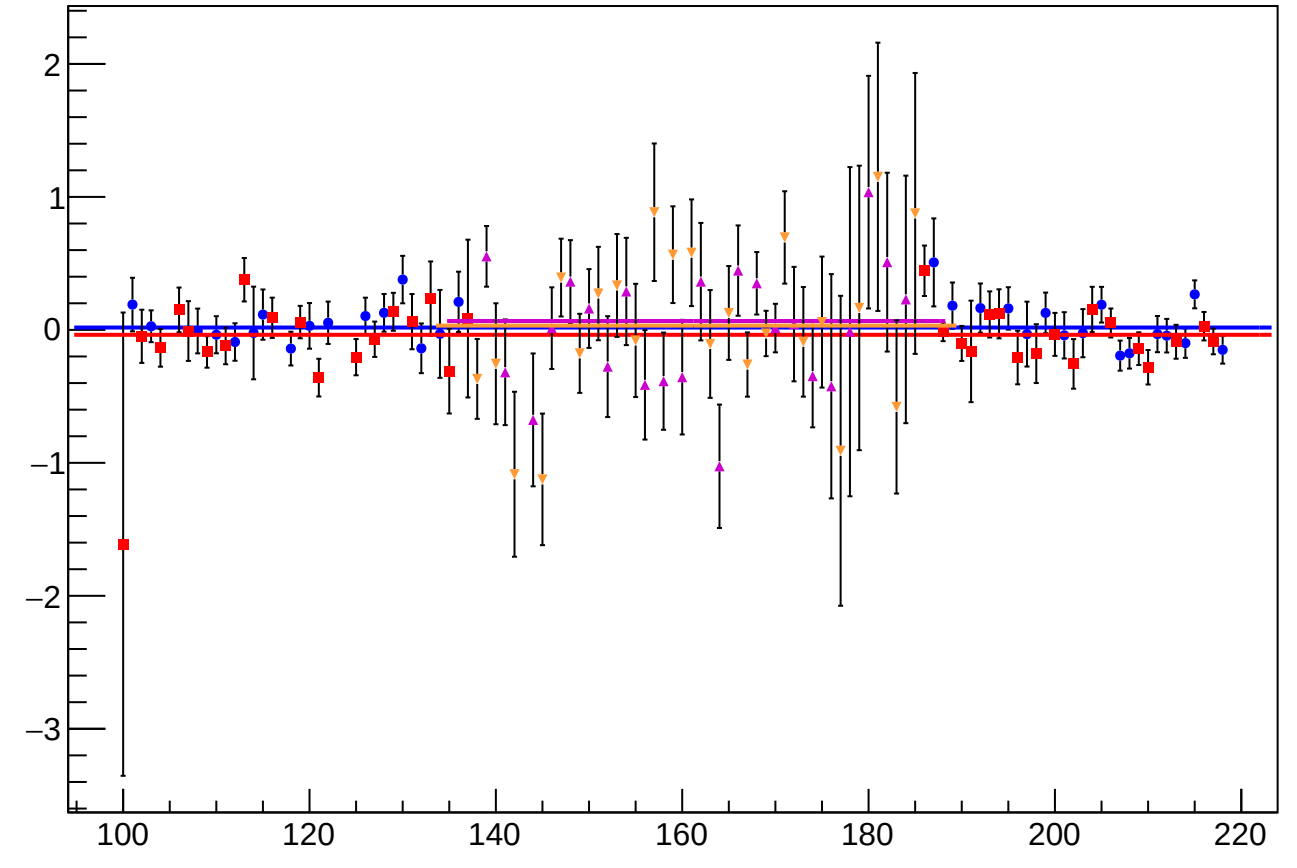
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

Right: 0.000+/-0.000 χ^2/NDF: 12658888.6/66

In: 0.000+/-0.000 χ^2/NDF:11064629.0/54

Out: 0.000+/-0.000 χ^2/NDF:9739178.9/58

All: 0.000+/-0.000 χ^2/NDF: 20829028.1/113



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: -0.037+/-0.025 χ^2/NDF: 39.9/34

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

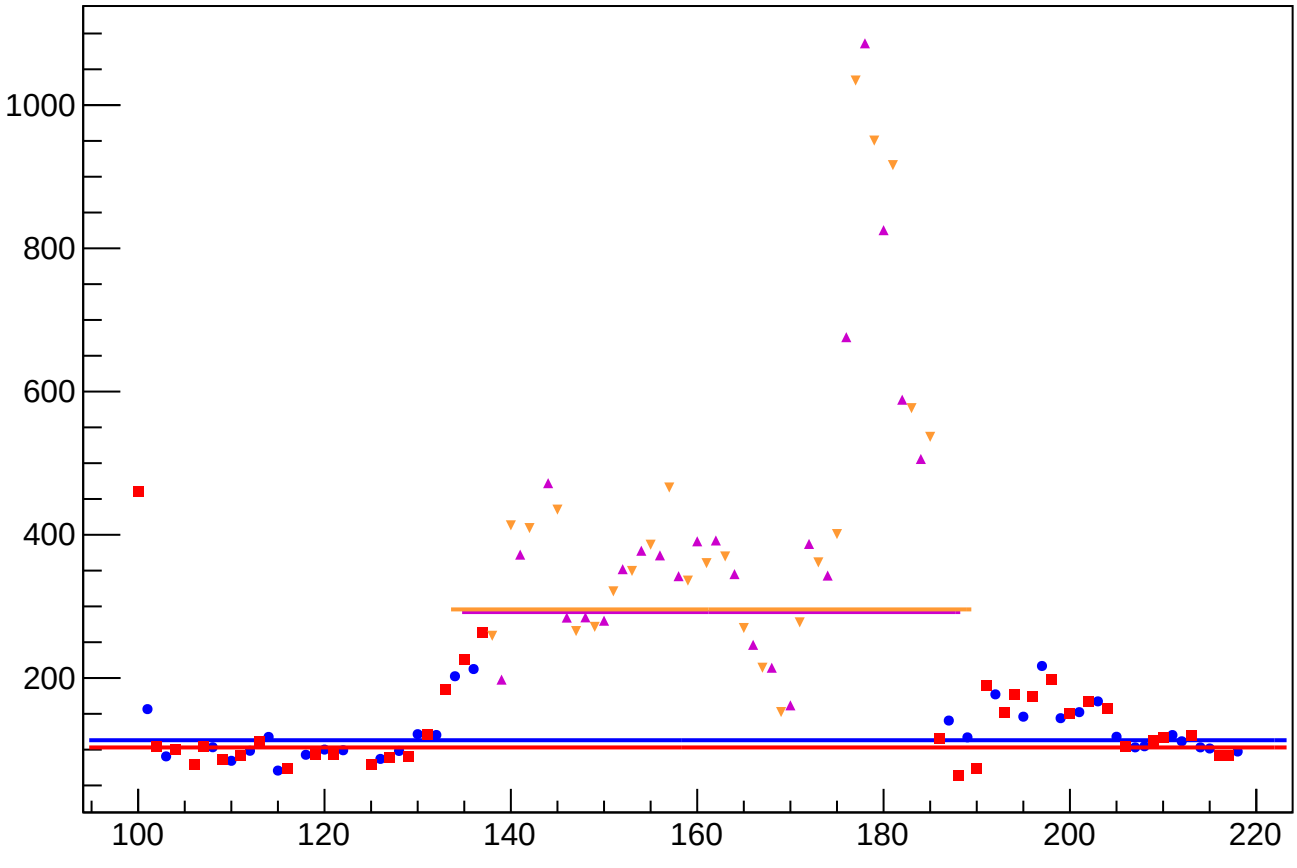
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.012+/-0.018 χ^2/NDF: 75.1/66

In: 0.023+/-0.025 χ^2/NDF:58.9/54

Out: -0.030+/-0.024 χ^2/NDF:70.4/58

All: -0.005+/-0.017 χ^2/NDF: 131.8/113



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: 103.060+/-0.017 χ^2/NDF: 3689131.9/34

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

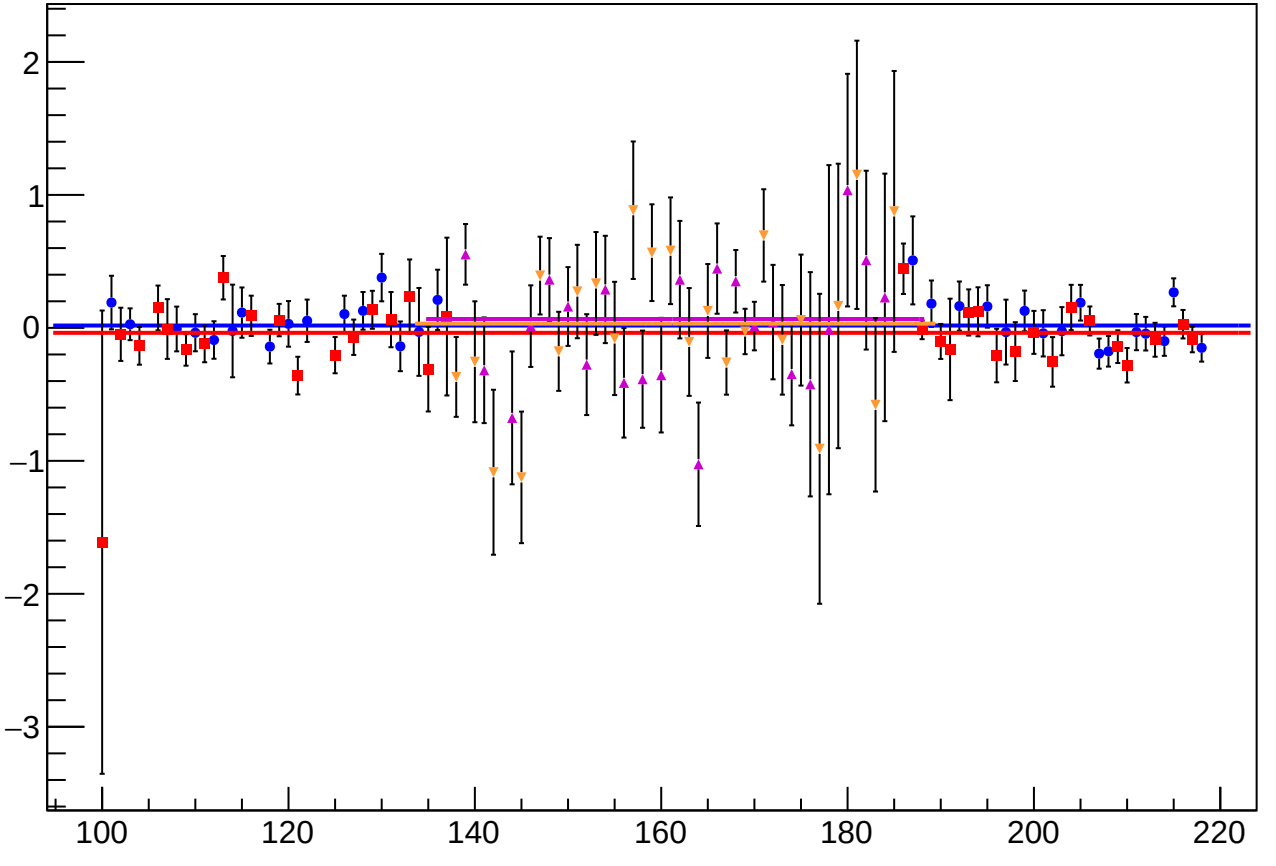
Right: 107.744+/-0.013 χ^2/NDF: 6114685.5/66

In: 133.208+/-0.018 χ^2/NDF:17512703.3/54

Out: 121.511+/-0.017 χ^2/NDF:20820147.9/58

All: 126.998+/-0.012 χ^2/NDF: 38564941.6/11

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: -0.037+/-0.025 χ^2/NDF: 39.9/34

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

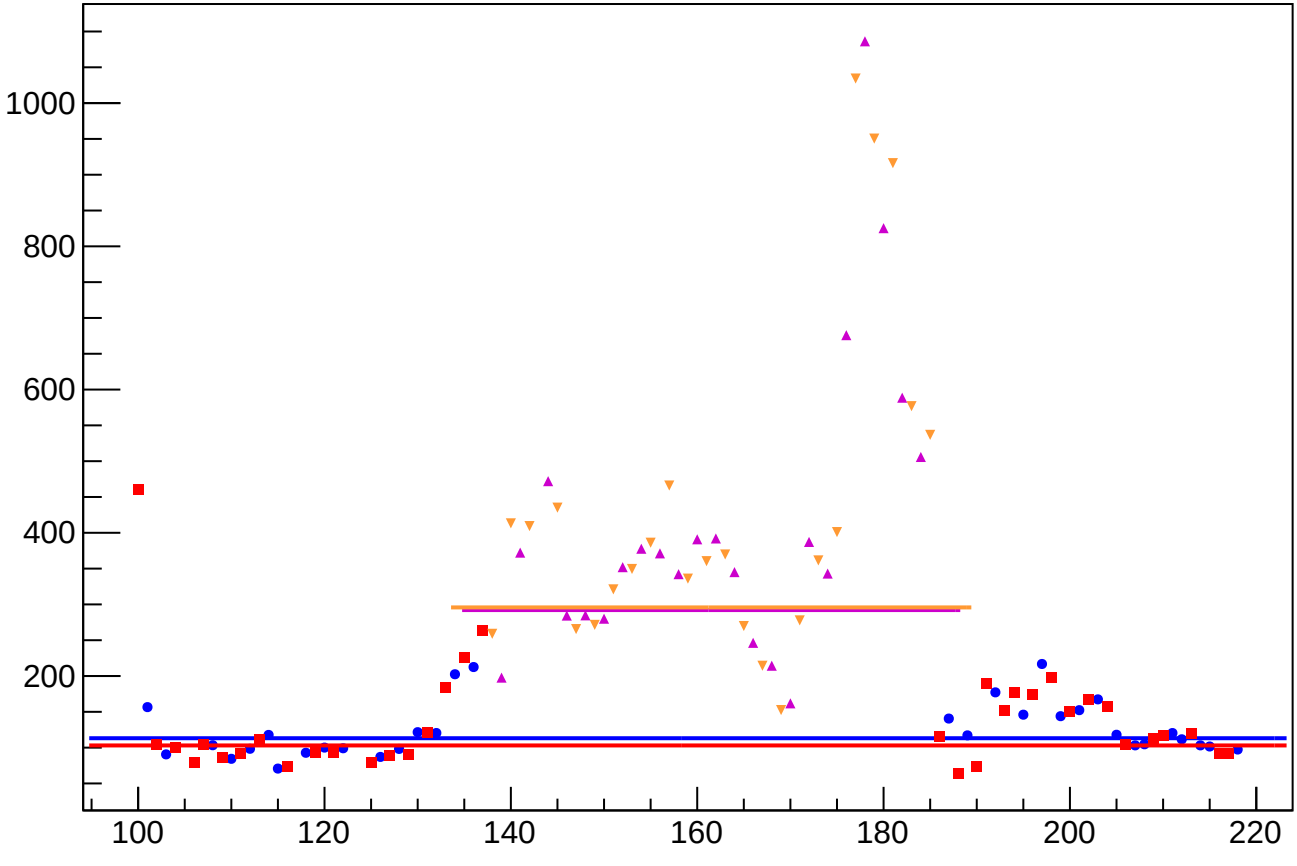
Right: -0.012+/-0.018 χ^2/NDF: 75.1/66

In: 0.023+/-0.025 χ^2/NDF:58.9/54

Out: -0.030+/-0.024 χ^2/NDF:70.4/58

All: -0.005+/-0.017 χ^2/NDF: 131.8/113

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: 103.060+/-0.017 χ^2/NDF: 3689131.9/34

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

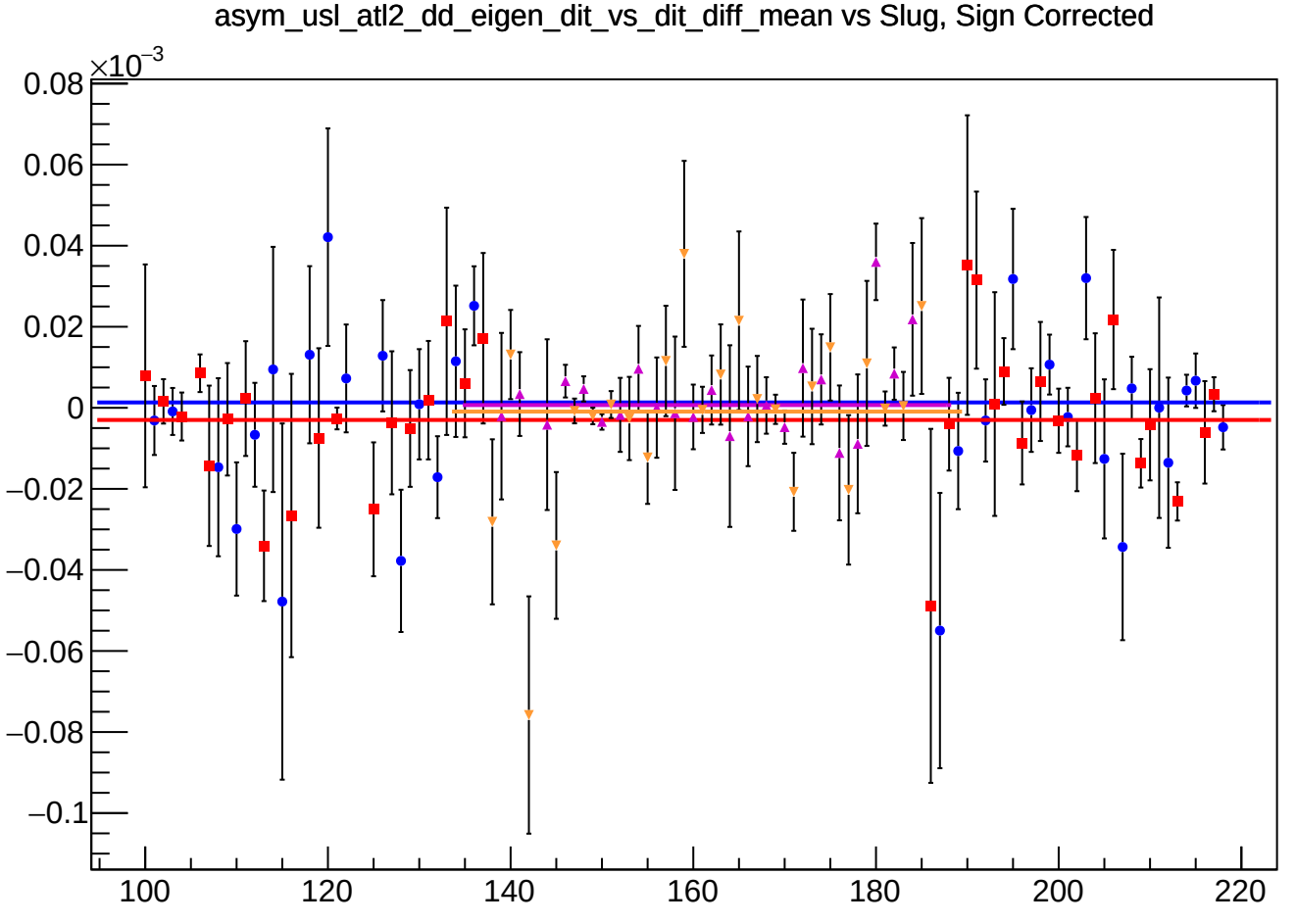
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 107.744+/-0.013 χ^2/NDF: 6114685.5/66

In: 133.208+/-0.018 χ^2/NDF:17512703.3/54

Out: 121.511+/-0.017 χ^2/NDF:20820147.9/58

All: 126.998+/-0.012 χ^2/NDF: 38564941.6/1



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: 51.7/34

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

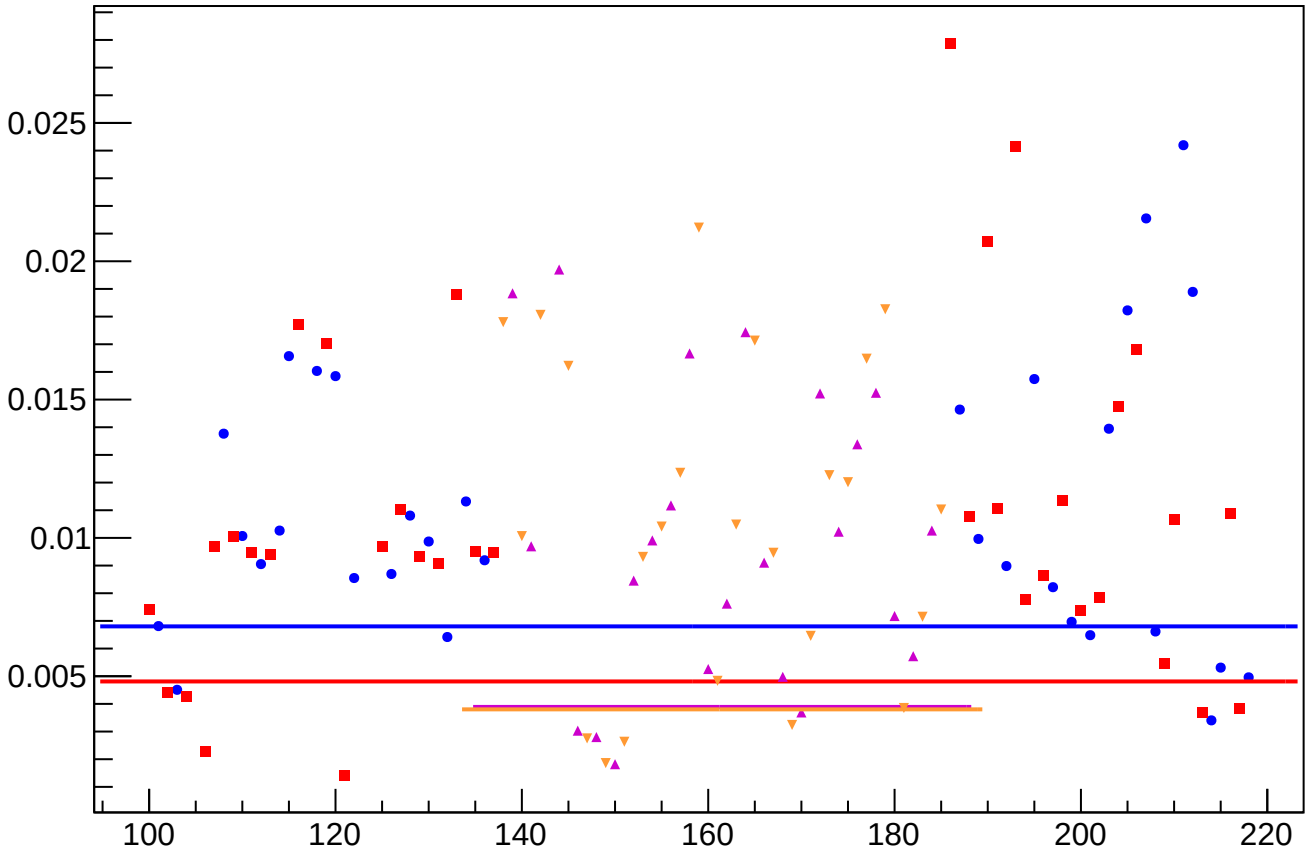
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 98.5/66

In: 0.000+/-0.000 χ^2/NDF:73.0/54

Out: -0.000+/-0.000 χ^2/NDF:82.0/58

All: -0.000+/-0.000 χ^2/NDF: 159.0/113



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: 14051841.7/34

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

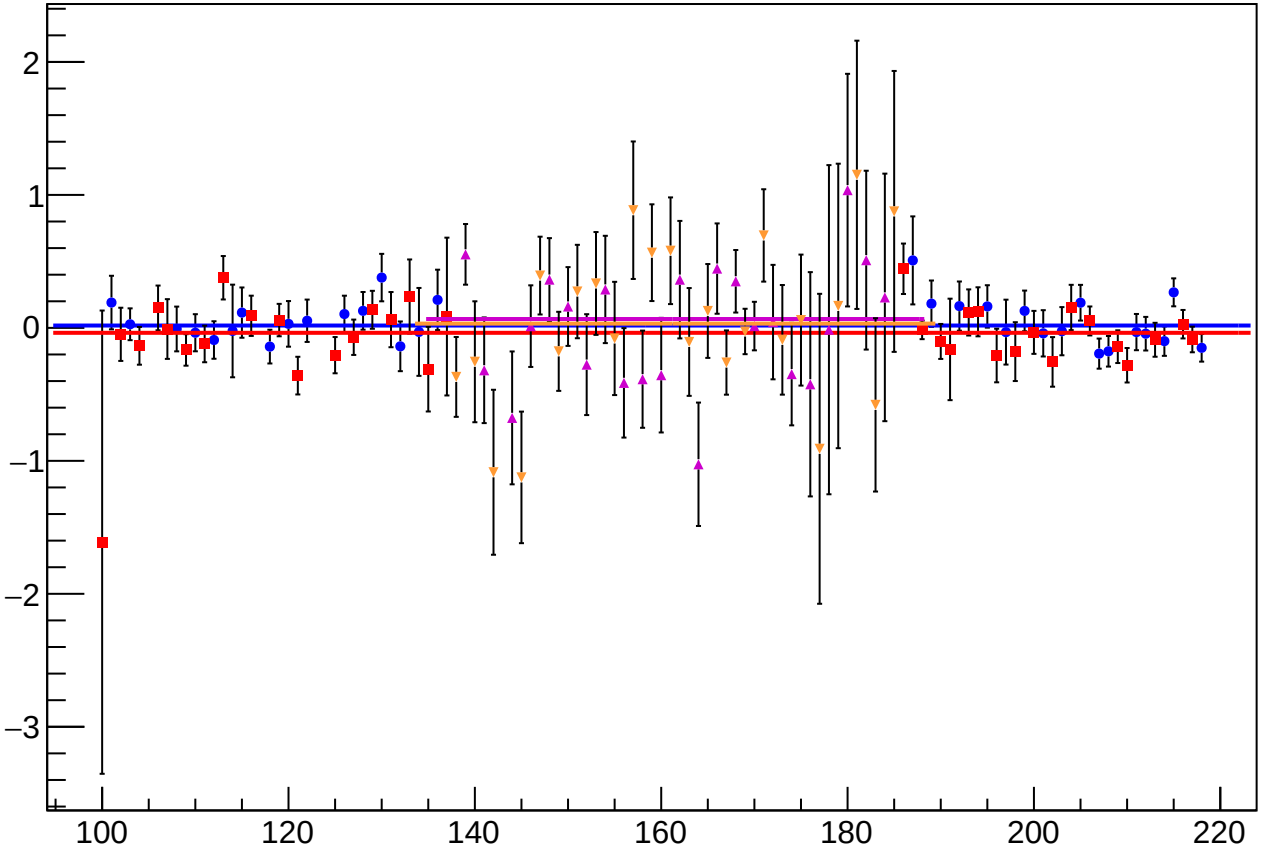
Right: 0.006+/-0.000 χ^2/NDF: 23631774.2/66

In: 0.005+/-0.000 χ^2/NDF:25179660.3/54

Out: 0.004+/-0.000 χ^2/NDF:29280965.7/58

All: 0.005+/-0.000 χ^2/NDF: 54870924.6/113

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: -0.037+/-0.025 χ^2/NDF: 39.9/34

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

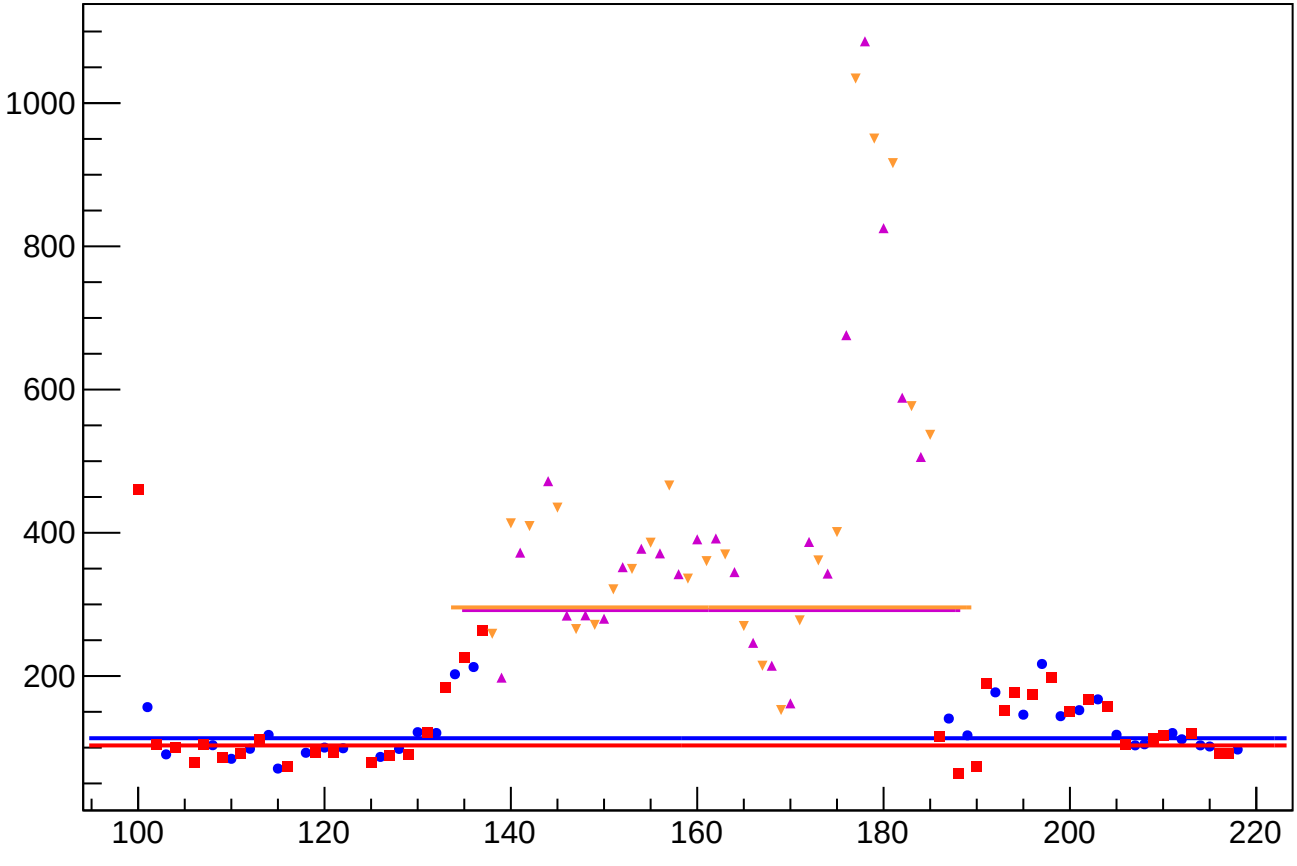
Right: -0.012+/-0.018 χ^2/NDF: 75.1/66

In: 0.023+/-0.025 χ^2/NDF:58.9/54

Out: -0.030+/-0.024 χ^2/NDF:70.4/58

All: -0.005+/-0.017 χ^2/NDF: 131.8/113

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 103.059+/-0.017 χ^2/NDF: 3689305.5/34

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

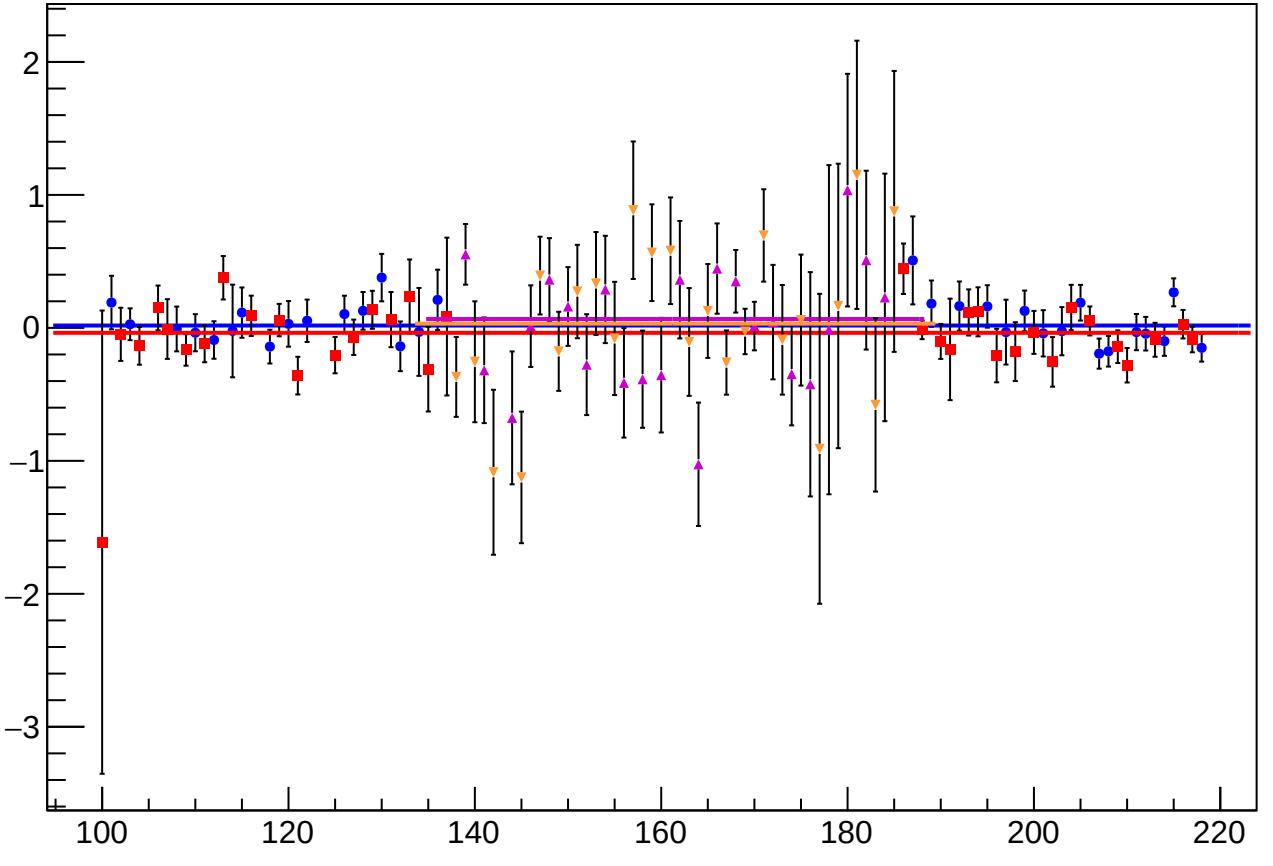
Right: 107.744+/-0.013 χ^2/NDF: 6114873.5/66

In: 133.209+/-0.018 χ^2/NDF:17512752.2/54

Out: 121.510+/-0.017 χ^2/NDF:20820617.0/58

All: 126.997+/-0.012 χ^2/NDF: 38565535.9/11

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: -0.037+/-0.025 χ^2/NDF: 39.9/34

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

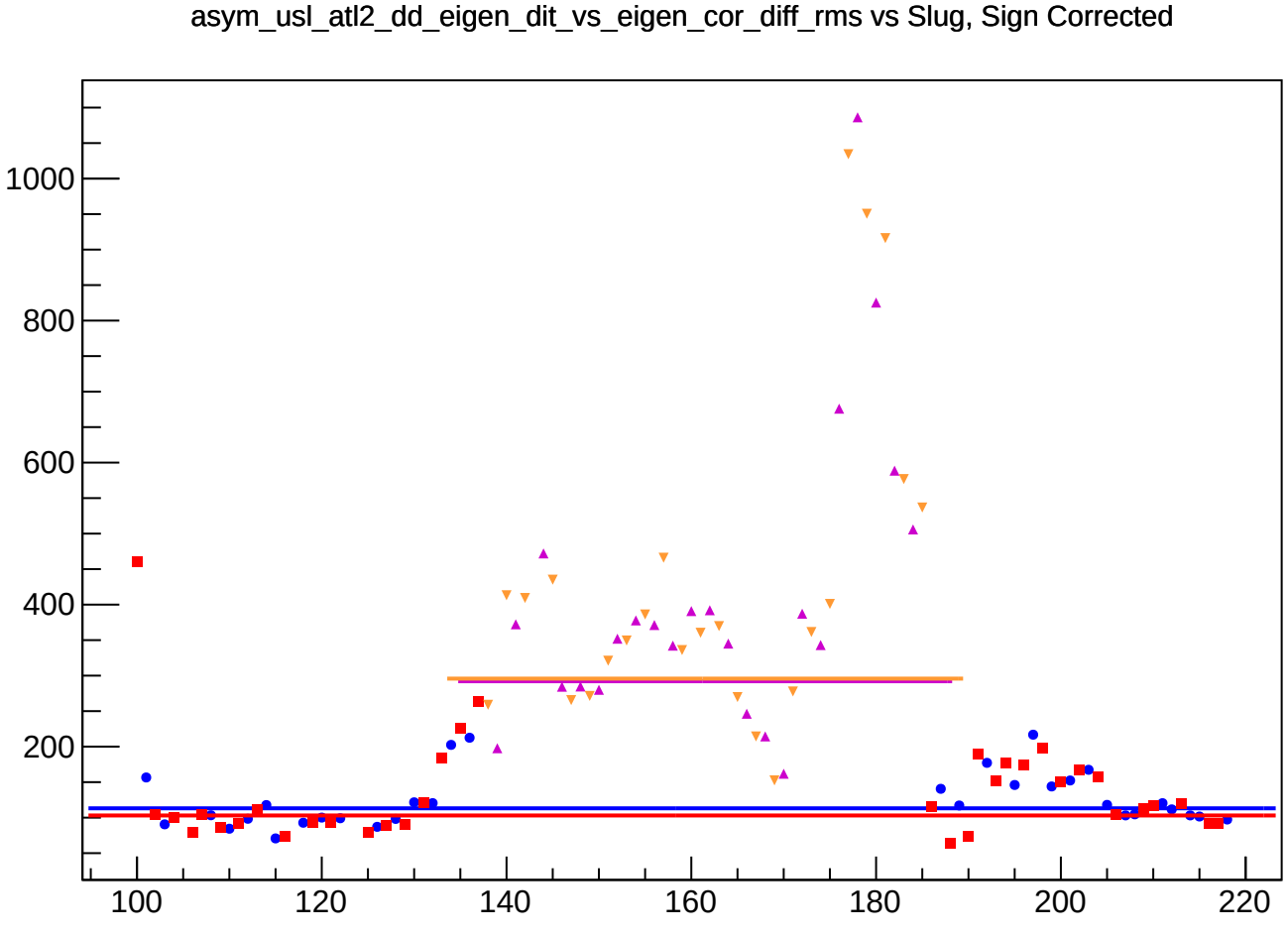
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

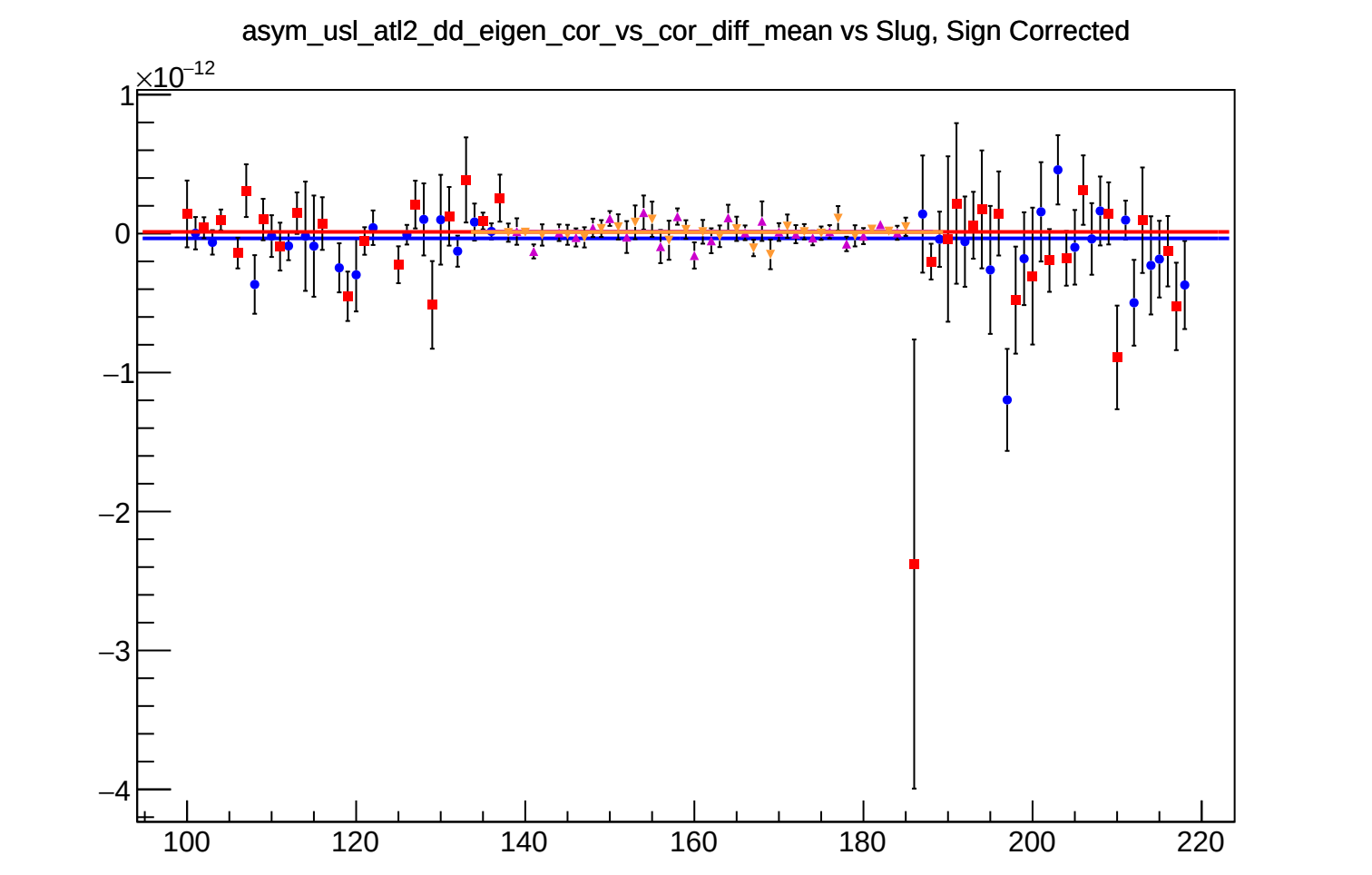
Right: -0.012+/-0.018 χ^2/NDF: 75.1/66

In: 0.023+/-0.025 χ^2/NDF:58.9/54

Out: -0.030+/-0.024 χ^2/NDF:70.4/58

All: -0.005+/-0.017 χ^2/NDF: 131.8/113


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 113.144+/-0.019 χ²/NDF: 2271058.4/31
Left Out: 295.800+/-0.054 χ²/NDF:5501139.3/23
Right Out: 103.059+/-0.017 χ²/NDF: 3689305.5/34
Left In: 292.103+/-0.053 χ²/NDF:5055695.7/22
Left: 293.920+/-0.038 χ²/NDF: 10559241.5/46
Right: 107.744+/-0.013 χ²/NDF: 6114873.5/66
In: 133.209+/-0.018 χ²/NDF:17512752.2/54
Out: 121.510+/-0.017 χ²/NDF:20820617.0/58
All: 126.997+/-0.012 χ²/NDF: 38565535.9/1



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: 48.0/34

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

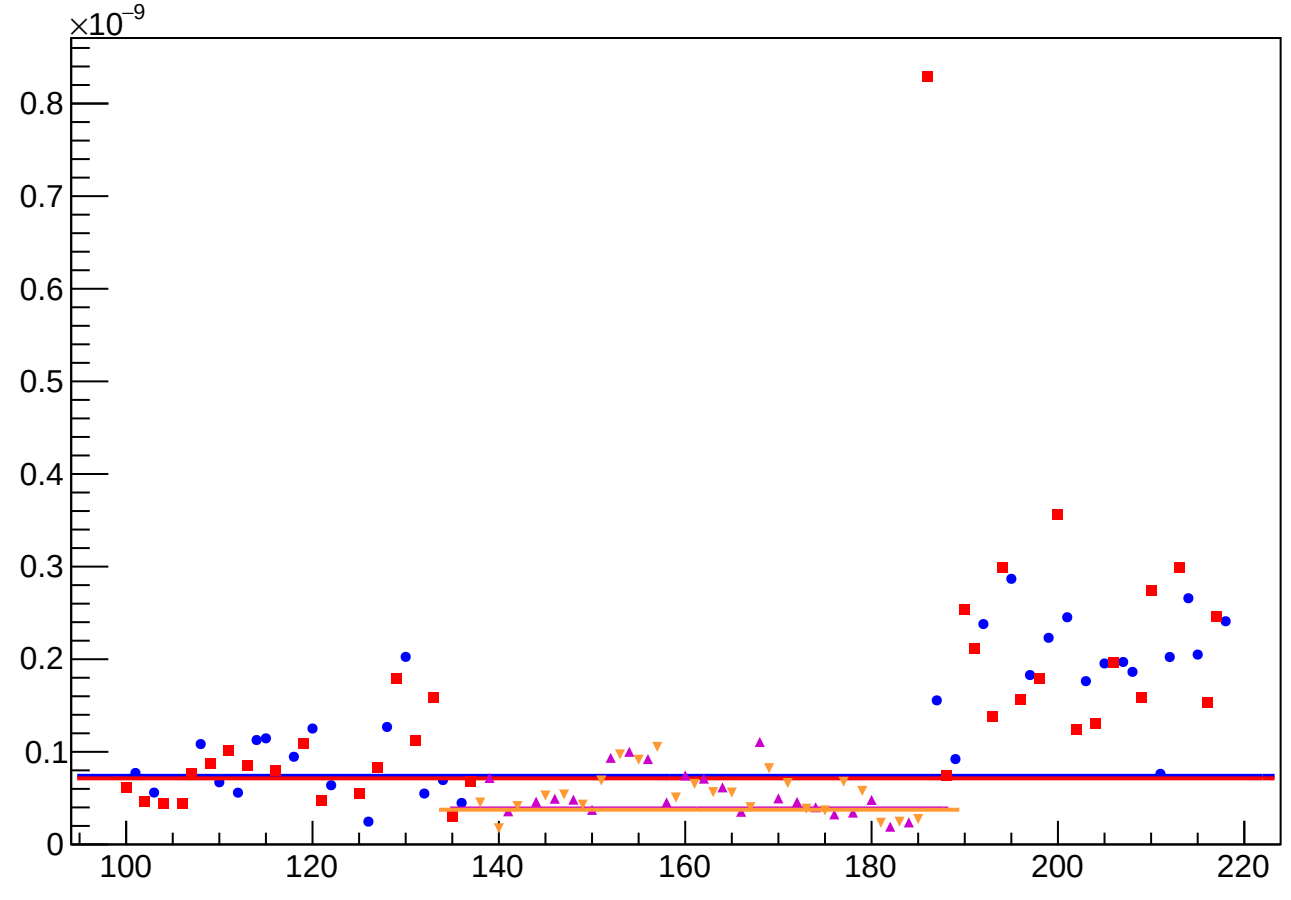
Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

Right: -0.000+/-0.000 χ^2/NDF: 78.5/66

In: 0.000+/-0.000 χ^2/NDF:62.6/54

Out: 0.000+/-0.000 χ^2/NDF:58.6/58

All: 0.000+/-0.000 χ^2/NDF: 121.3/113



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: 8064695.4/34

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

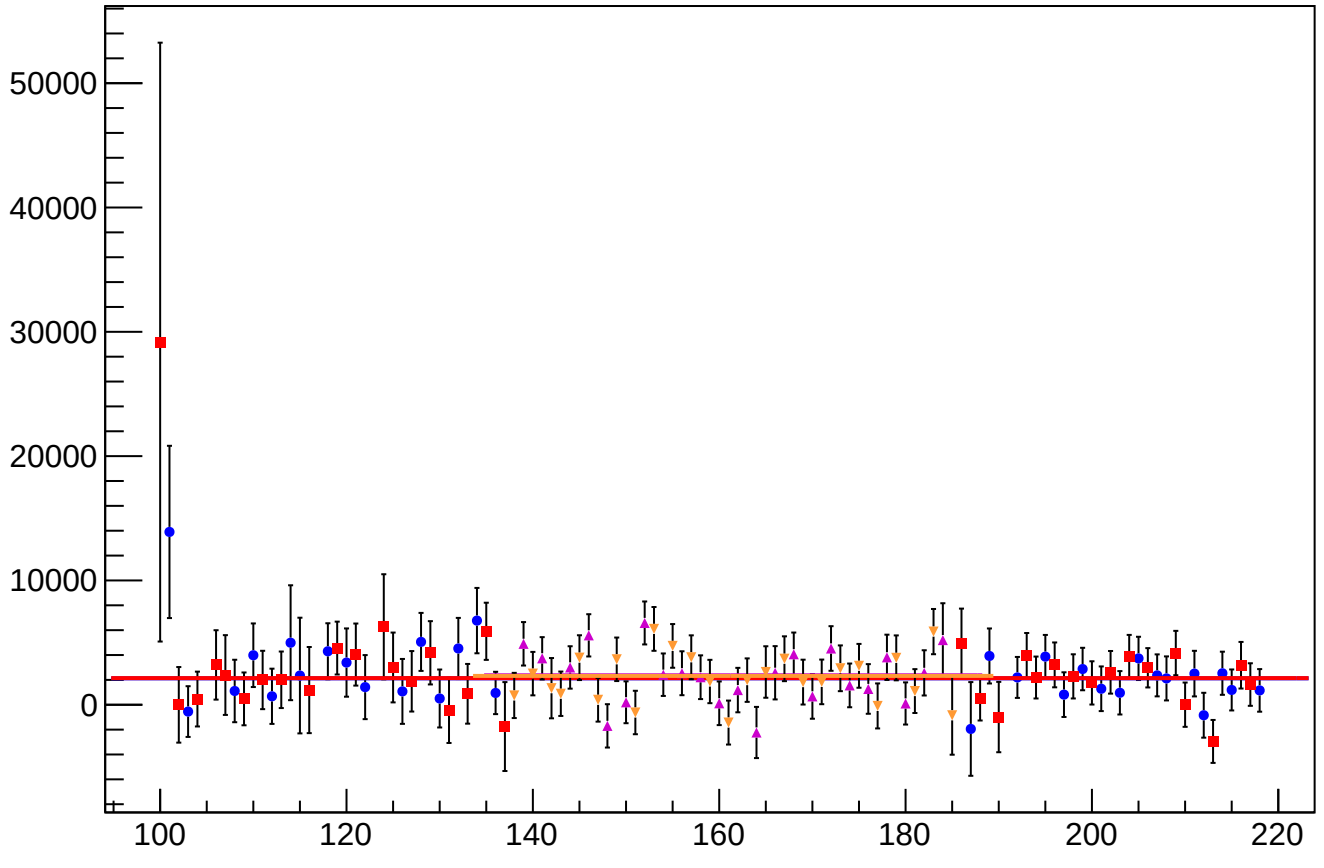
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 15987257.3/66

In: 0.000+/-0.000 χ^2/NDF:15321136.3/54

Out: 0.000+/-0.000 χ^2/NDF:15790373.8/58

All: 0.000+/-0.000 χ^2/NDF: 31128799.9/113



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: 2143.261+/-364.349 χ^2/NDF: 29.5/34

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

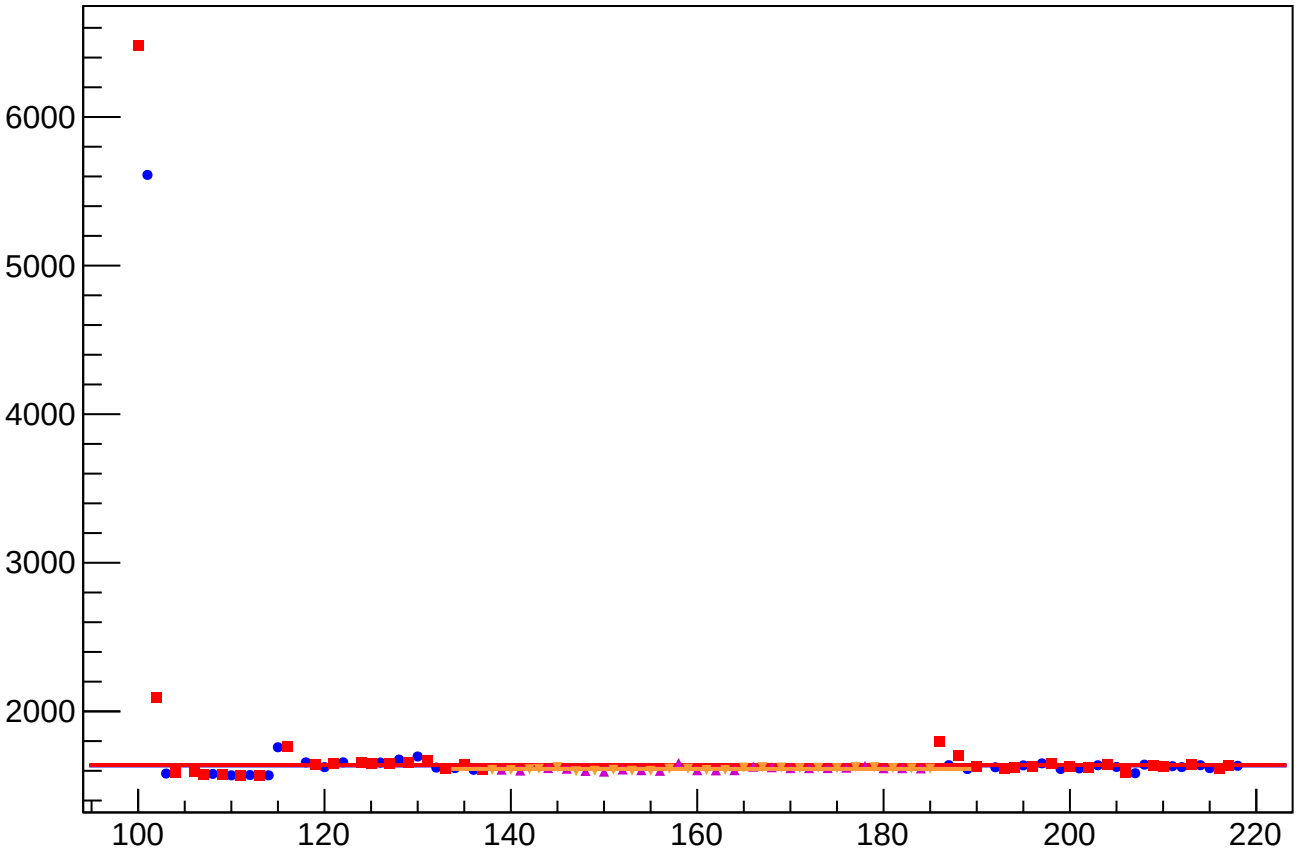
Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

Right: 2133.069+/-258.566 χ^2/NDF: 52.1/66

In: 2243.413+/-262.904 χ^2/NDF:56.6/54

Out: 2231.689+/-258.321 χ^2/NDF:57.1/59

All: 2237.448+/-184.259 χ^2/NDF: 113.7/114



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: 1638.539+/-0.258 χ^2/NDF: 149178.5/34

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

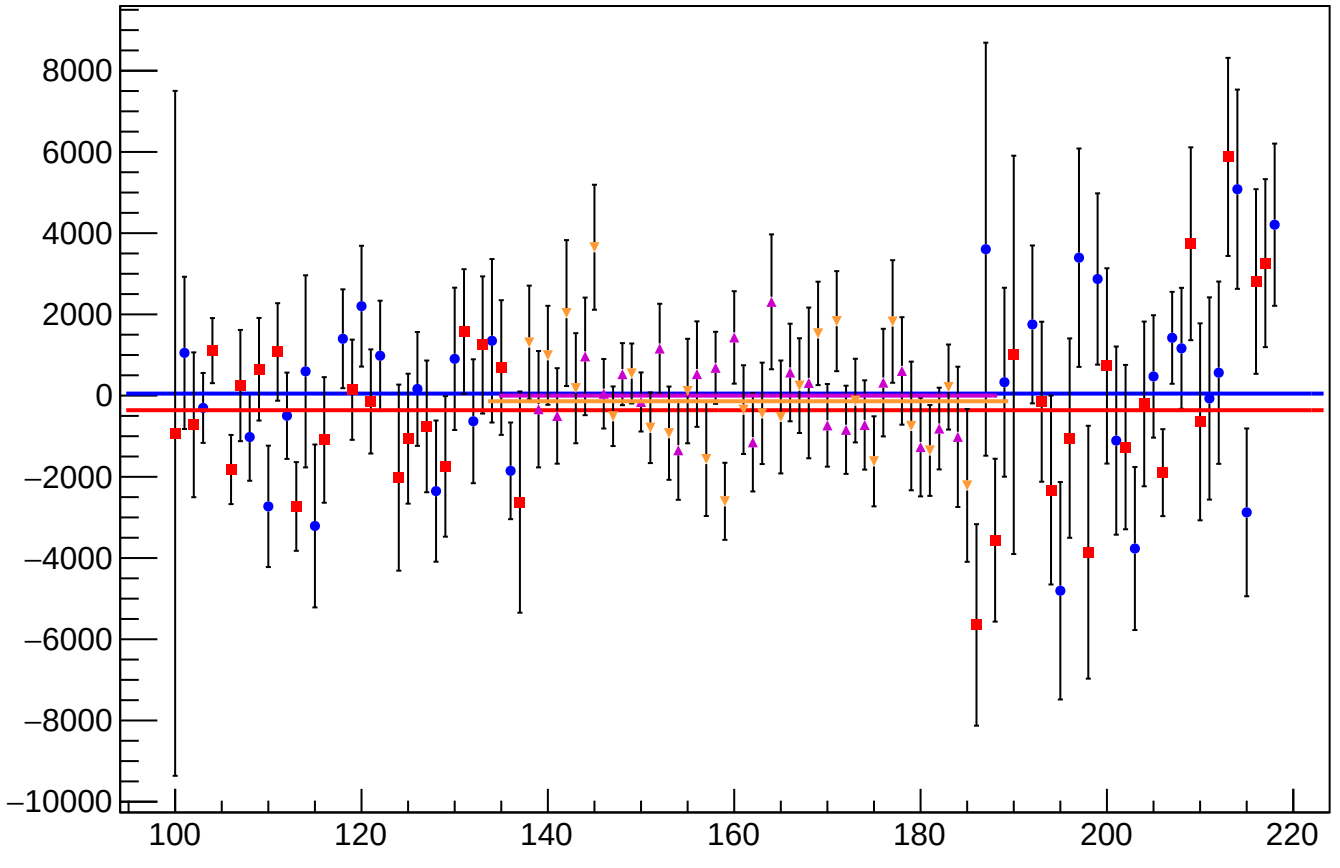
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1637.408+/-0.183 χ^2/NDF: 821035.4/66

In: 1625.323+/-0.186 χ^2/NDF:677822.0/54

Out: 1625.642+/-0.183 χ^2/NDF:155389.5/59

All: 1625.486+/-0.130 χ^2/NDF: 833213.0/114



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: -359.824+/-268.721 χ^2/NDF: 45.0/34

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

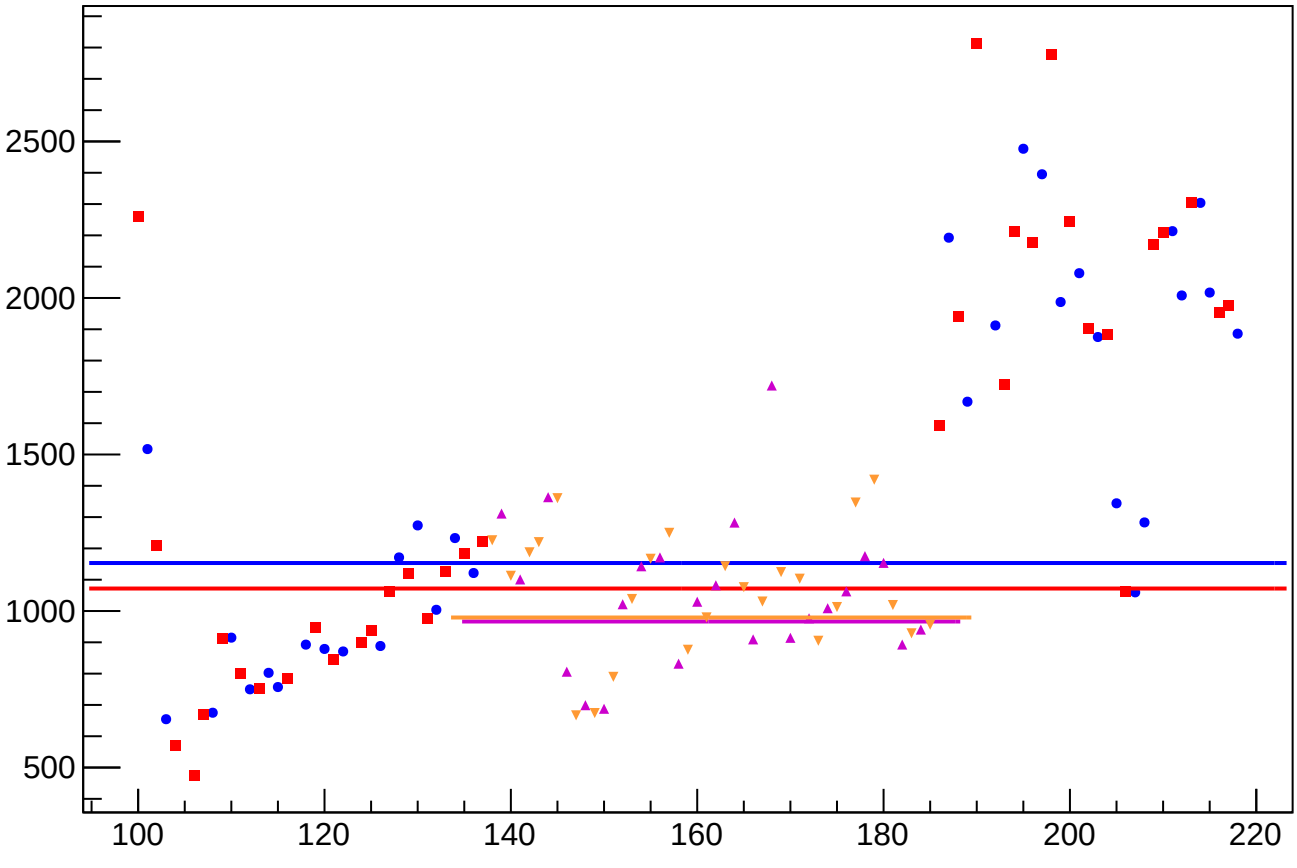
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

Right: -164.941+/-194.501 χ^2/NDF: 87.5/66

In: 19.925+/-179.087 χ^2/NDF:54.3/54

Out: -231.972+/-174.352 χ^2/NDF:75.5/59

All: -109.398+/-124.926 χ^2/NDF: 130.9/114



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: 1071.854+/-0.190 χ^2/NDF: 8116437.0/34

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

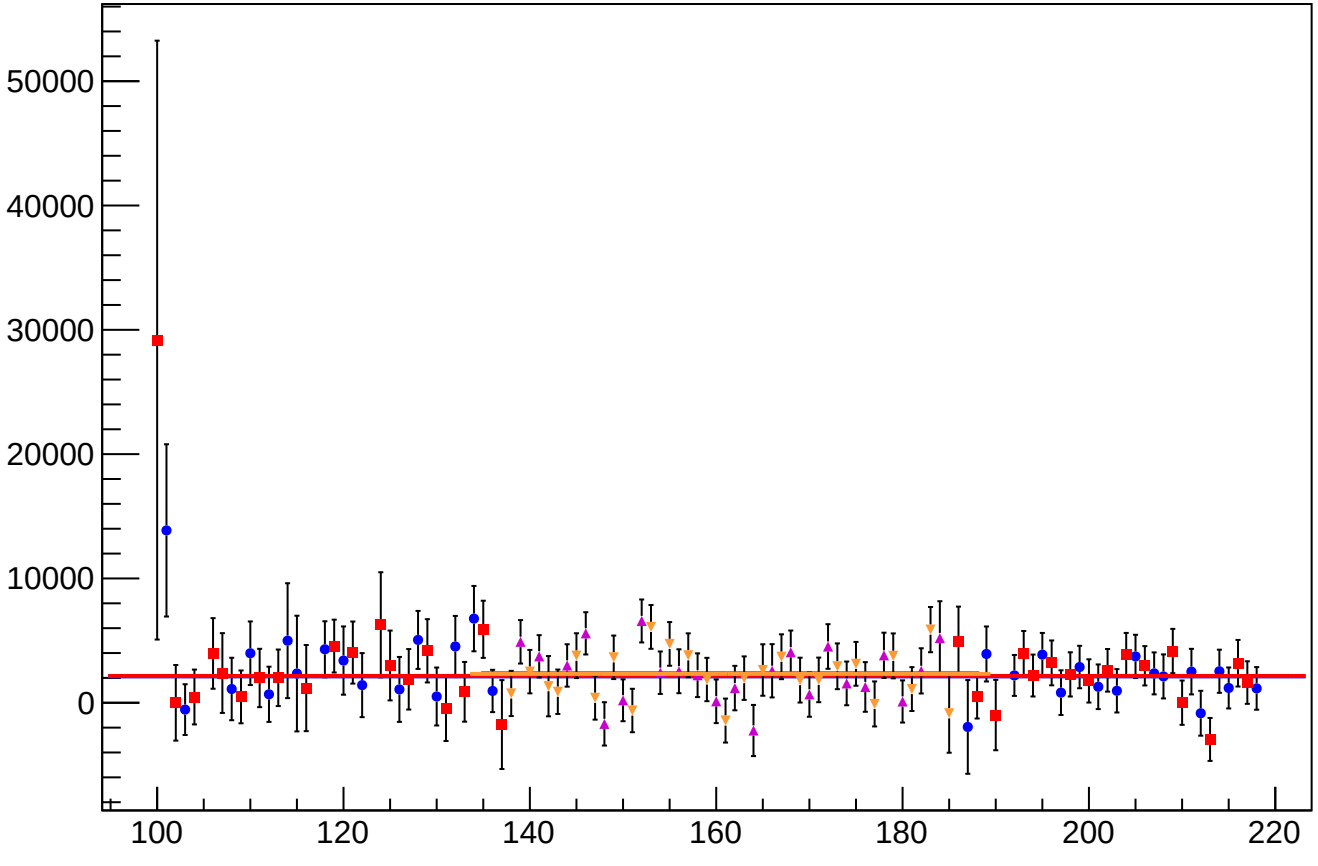
Right: 1110.646+/-0.138 χ^2/NDF: 14223575.3/66

In: 1041.927+/-0.127 χ^2/NDF:8146016.0/54

Out: 1018.259+/-0.123 χ^2/NDF:9884455.1/59

All: 1029.776+/-0.088 χ^2/NDF: 18048405.2/1

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: 2155.323+/-364.456 χ^2/NDF: 29.8/34

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

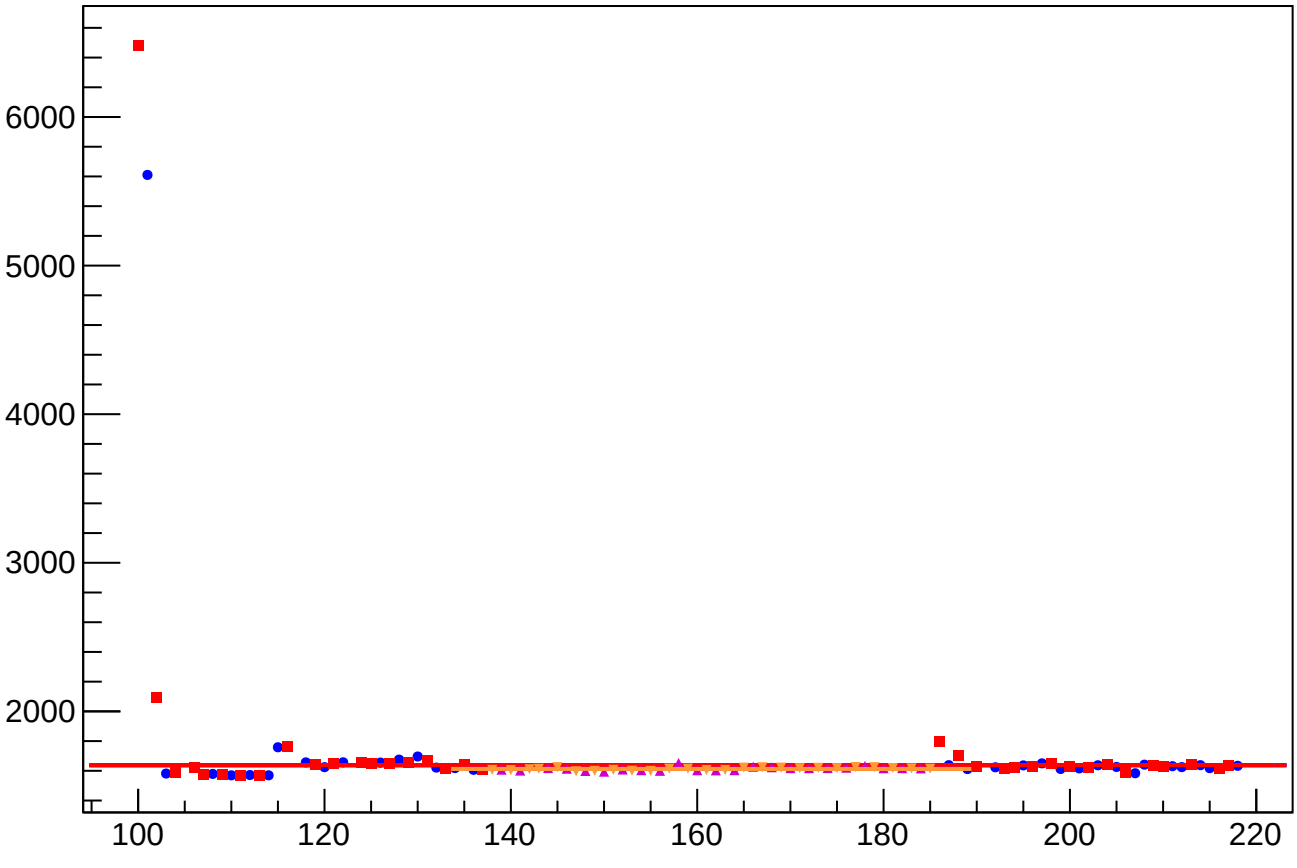
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2139.022+/-258.604 χ^2/NDF: 52.4/66

In: 2243.327+/-262.904 χ^2/NDF:56.6/54

Out: 2237.755+/-258.359 χ^2/NDF:57.4/59

All: 2240.493+/-184.273 χ^2/NDF: 113.9/114



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: 1639.002+/-0.258 χ^2/NDF: 148738.0/34

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

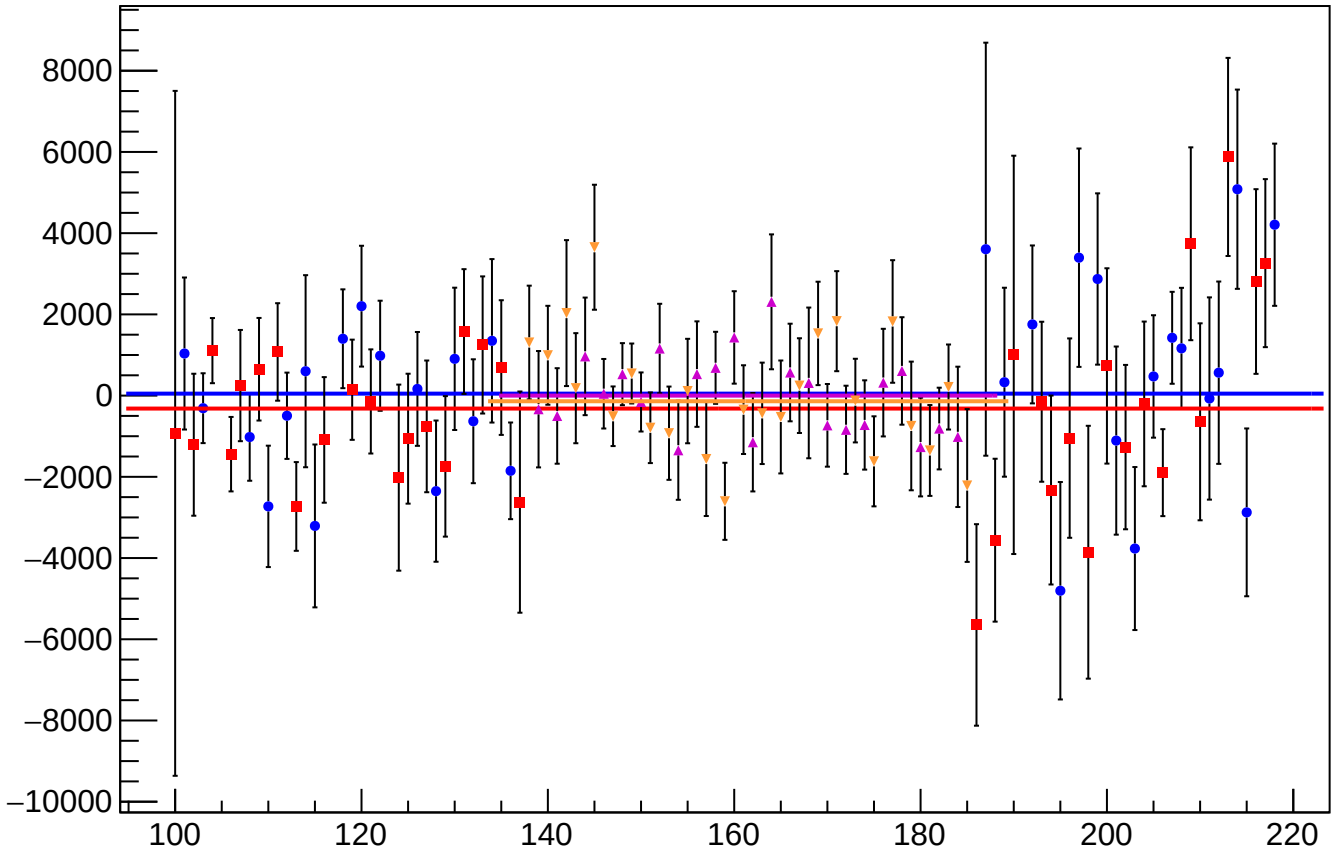
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1637.641+/-0.183 χ^2/NDF: 820611.8/66

In: 1625.323+/-0.186 χ^2/NDF:677821.5/54

Out: 1625.871+/-0.183 χ^2/NDF:155128.9/59

All: 1625.602+/-0.130 χ^2/NDF: 832954.8/114



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: -319.107+/-270.470 χ^2/NDF: 43.6/34

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

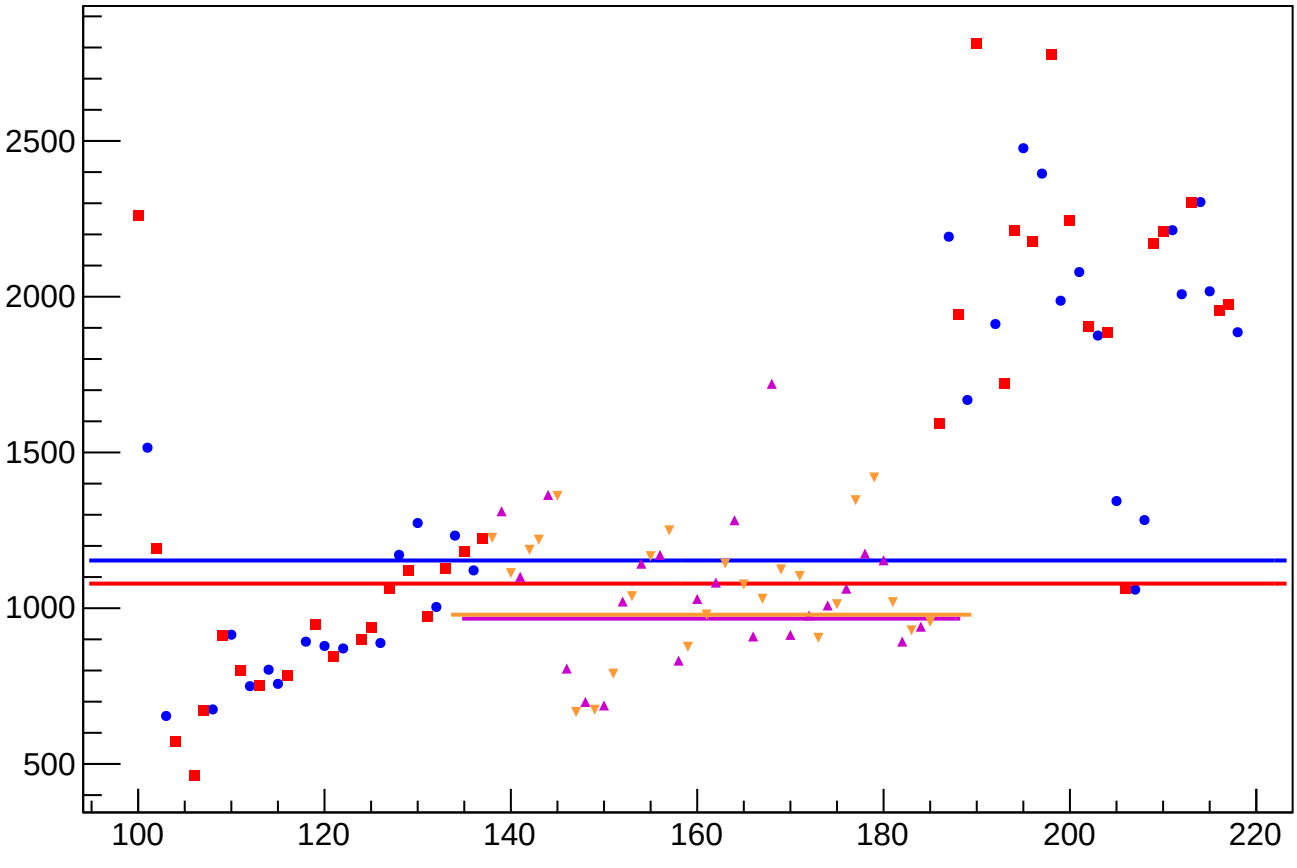
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -142.856+/-195.153 χ^2/NDF: 85.9/66

In: 19.558+/-179.081 χ^2/NDF:54.3/54

Out: -214.293+/-174.826 χ^2/NDF:74.0/59

All: -100.178+/-125.098 χ^2/NDF: 129.2/114



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: 1078.955+/-0.191 χ^2/NDF: 8007258.1/34

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

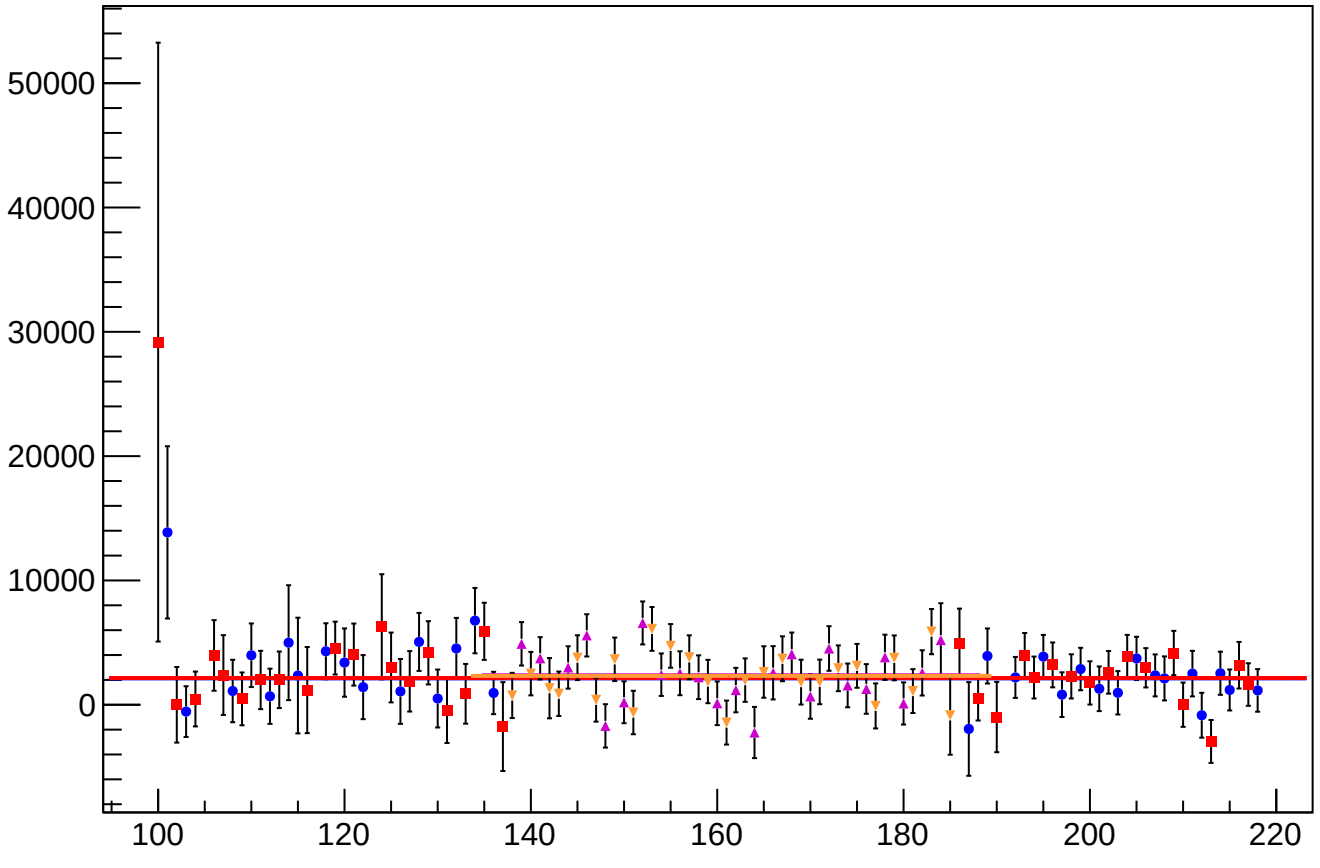
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1114.556+/-0.138 χ^2/NDF: 14100117.8/66

In: 1041.892+/-0.127 χ^2/NDF:8146346.8/54

Out: 1020.930+/-0.124 χ^2/NDF:9796100.4/59

All: 1031.159+/-0.088 χ^2/NDF: 17956479.0/1



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: 2155.323+/-364.456 χ^2/NDF: 29.8/34

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

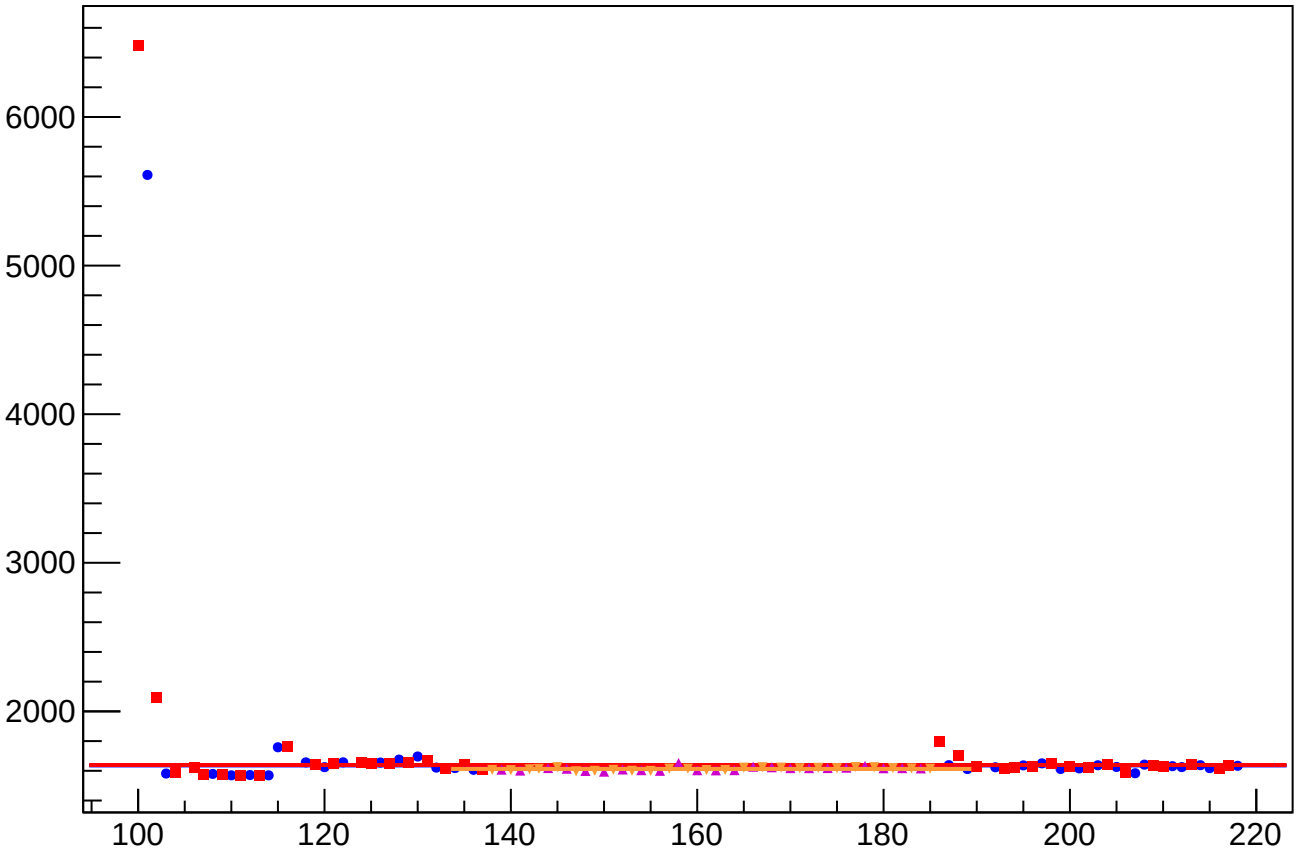
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2139.022+/-258.604 χ^2/NDF: 52.4/66

In: 2243.327+/-262.904 χ^2/NDF:56.6/54

Out: 2237.755+/-258.359 χ^2/NDF:57.4/59

All: 2240.493+/-184.273 χ^2/NDF: 113.9/114



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: 1639.002+/-0.258 χ^2/NDF: 148738.0/34

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

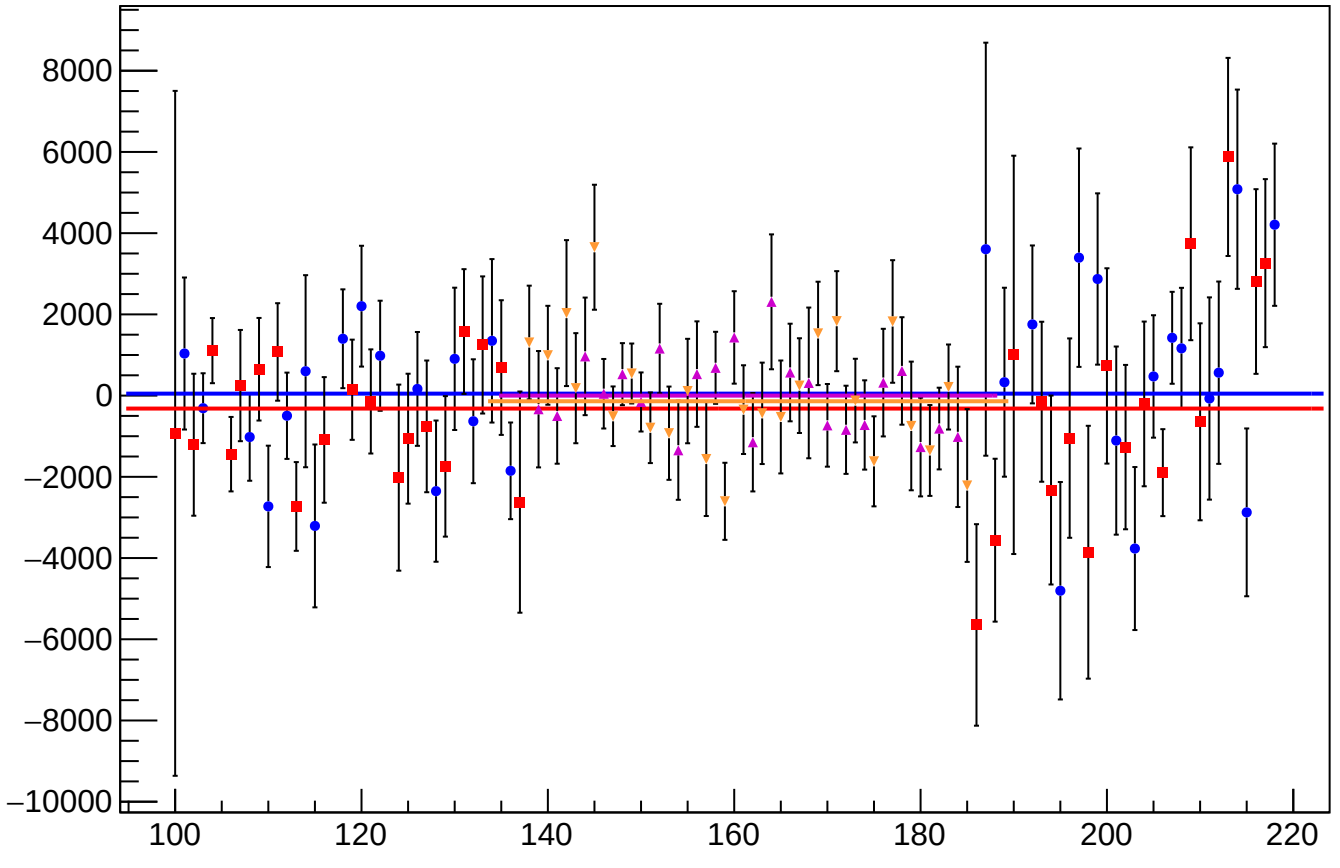
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1637.641+/-0.183 χ^2/NDF: 820611.8/66

In: 1625.323+/-0.186 χ^2/NDF:677821.5/54

Out: 1625.871+/-0.183 χ^2/NDF:155128.9/59

All: 1625.602+/-0.130 χ^2/NDF: 832954.8/114



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: -319.107+/-270.470 χ^2/NDF: 43.6/34

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

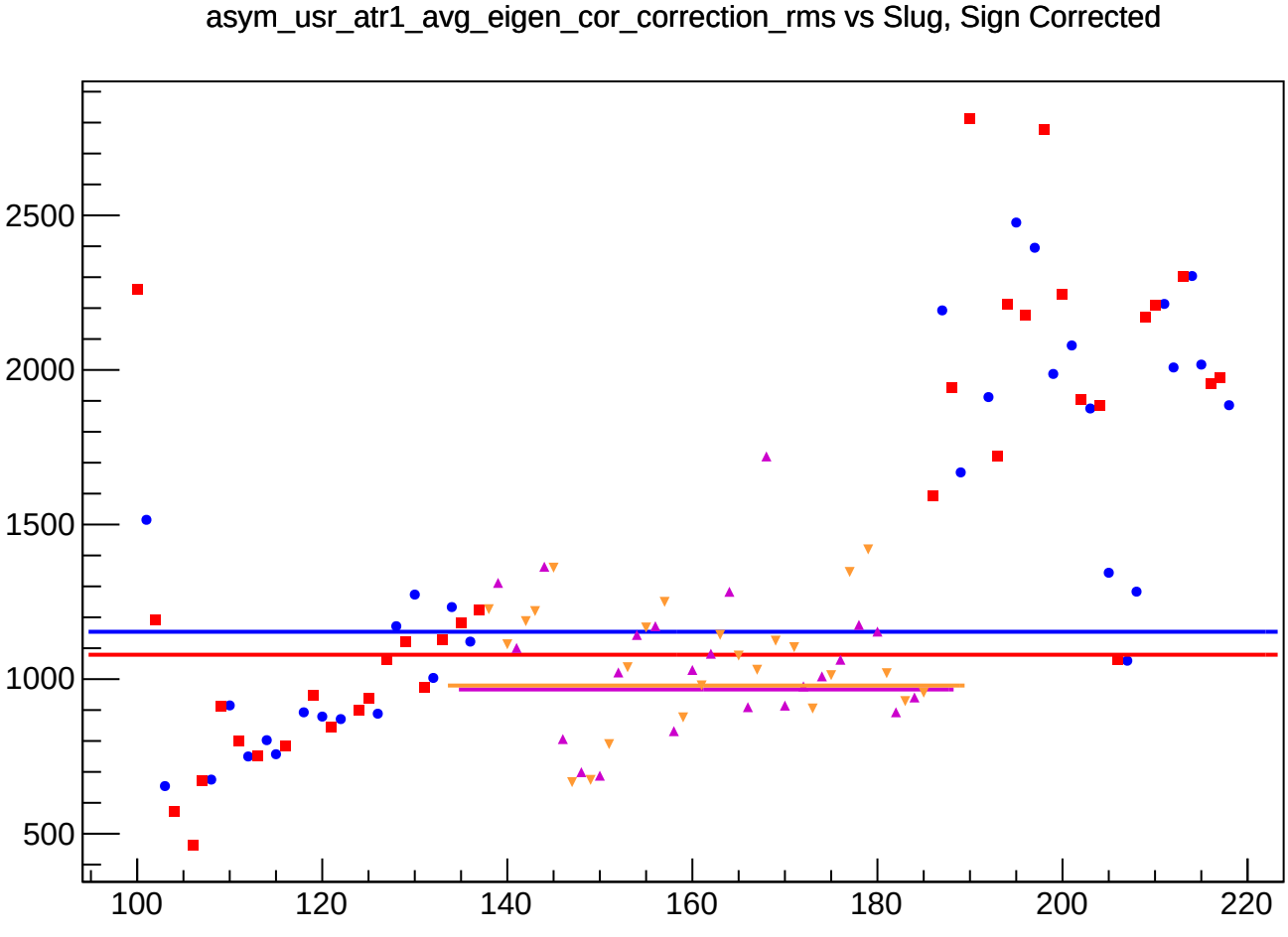
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -142.856+/-195.153 χ^2/NDF: 85.9/66

In: 19.558+/-179.081 χ^2/NDF:54.3/54

Out: -214.293+/-174.826 χ^2/NDF:74.0/59

All: -100.178+/-125.098 χ^2/NDF: 129.2/114



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: 1078.955+/-0.191 χ^2/NDF: 8007258.1/34

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

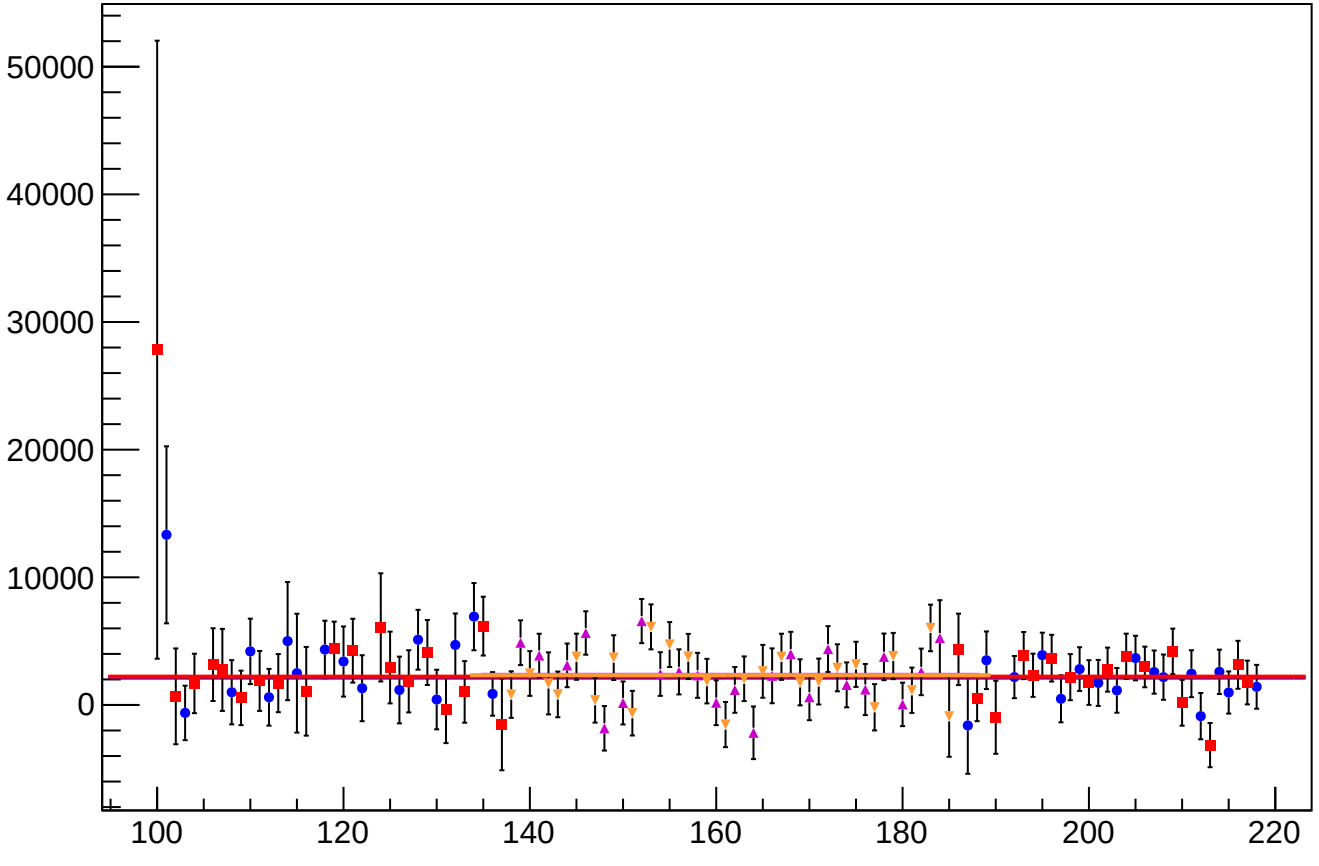
Right: 1114.556+/-0.138 χ^2/NDF: 14100117.8/66

In: 1041.892+/-0.127 χ^2/NDF:8146346.8/54

Out: 1020.930+/-0.124 χ^2/NDF:9796100.4/59

All: 1031.159+/-0.088 χ^2/NDF: 17956479.0/1

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: 2219.395+/-367.398 χ^2/NDF: 28.6/34

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

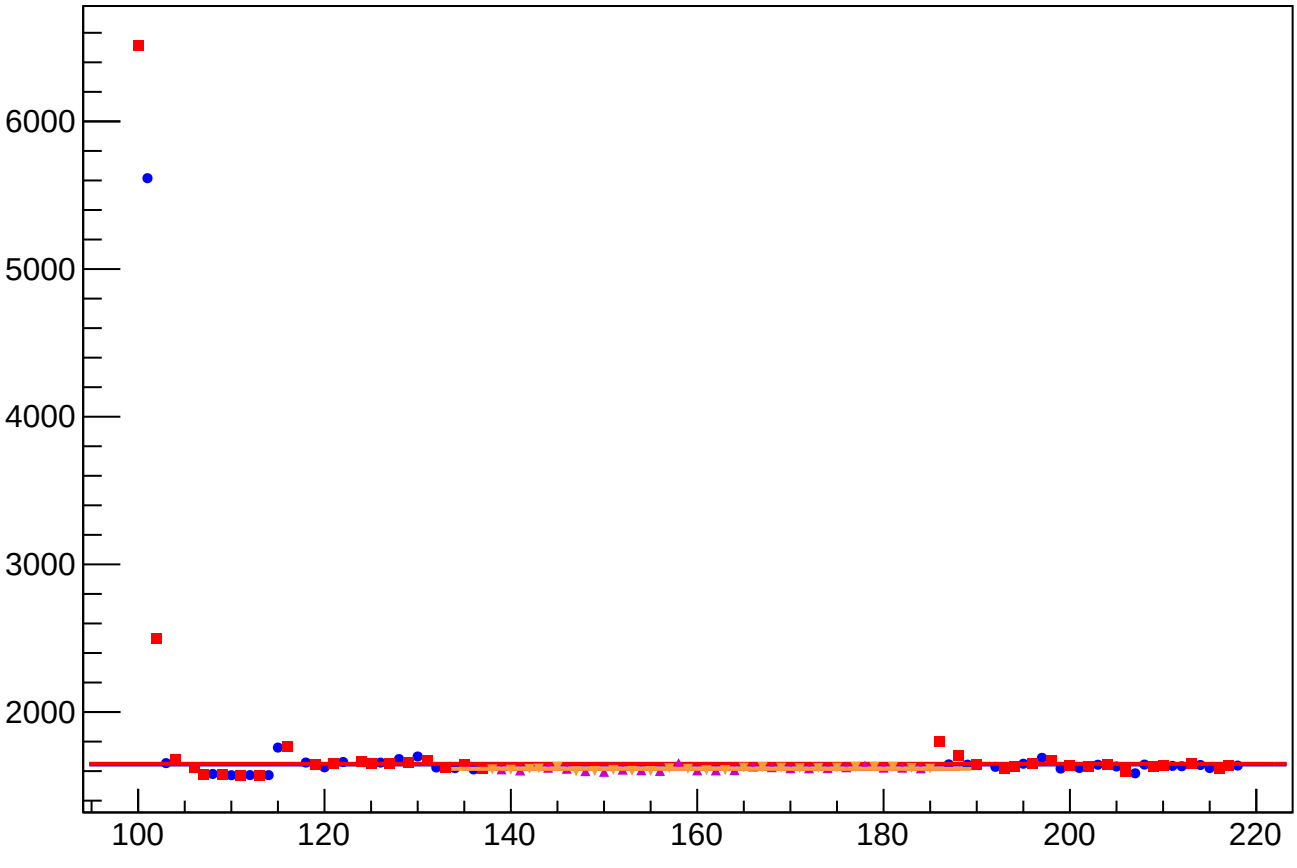
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2182.281+/-260.348 χ^2/NDF: 51.2/66

In: 2250.138+/-263.836 χ^2/NDF:56.7/54

Out: 2277.182+/-259.646 χ^2/NDF:56.9/59

All: 2263.876+/-185.061 χ^2/NDF: 113.6/114



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: 1649.494+/-0.260 χ^2/NDF: 206337.1/34

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

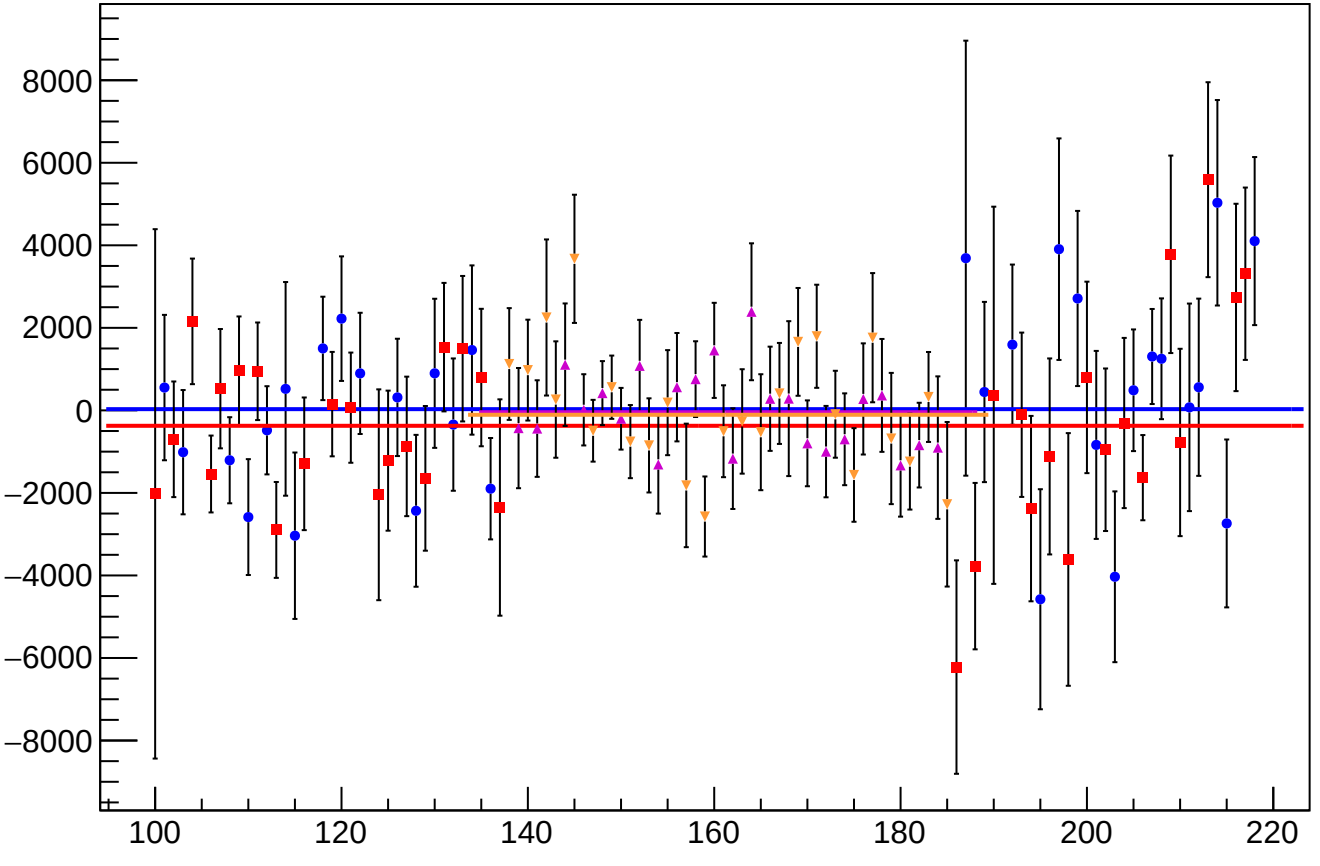
Right: 1647.261+/-0.184 χ^2/NDF: 877193.1/66

In: 1631.008+/-0.187 χ^2/NDF:679157.7/54

Out: 1632.545+/-0.184 χ^2/NDF:216287.8/59

All: 1631.789+/-0.131 χ^2/NDF: 895480.0/114

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: -373.560+/-284.149 χ^2/NDF: 43.7/34

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

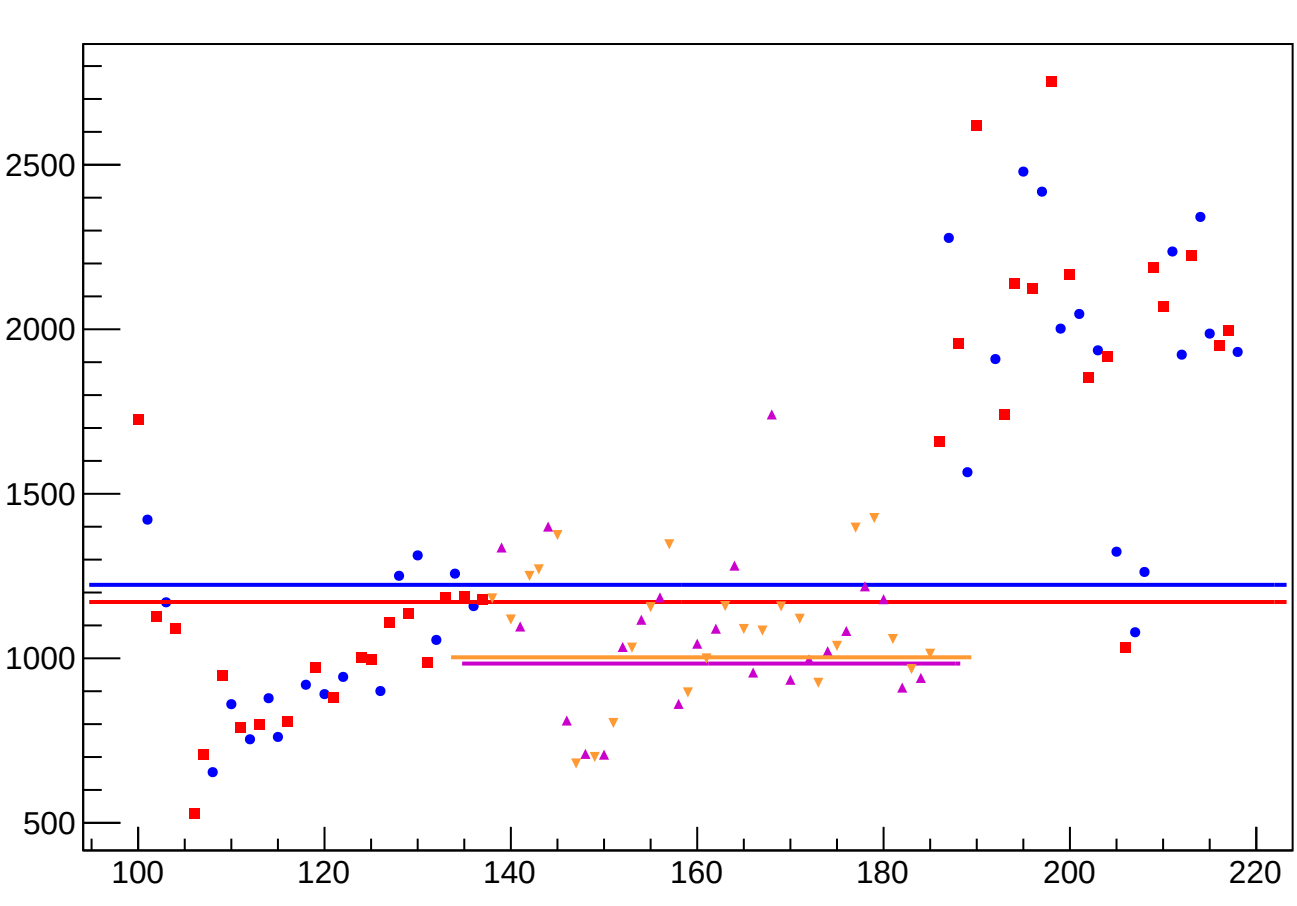
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -179.152+/-204.506 χ^2/NDF: 85.4/66

In: -15.487+/-184.051 χ^2/NDF:53.6/54

Out: -214.494+/-180.774 χ^2/NDF:73.2/59

All: -116.778+/-128.970 χ^2/NDF: 127.4/114



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: 1171.193+/-0.201 χ^2/NDF: 6454866.0/34

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

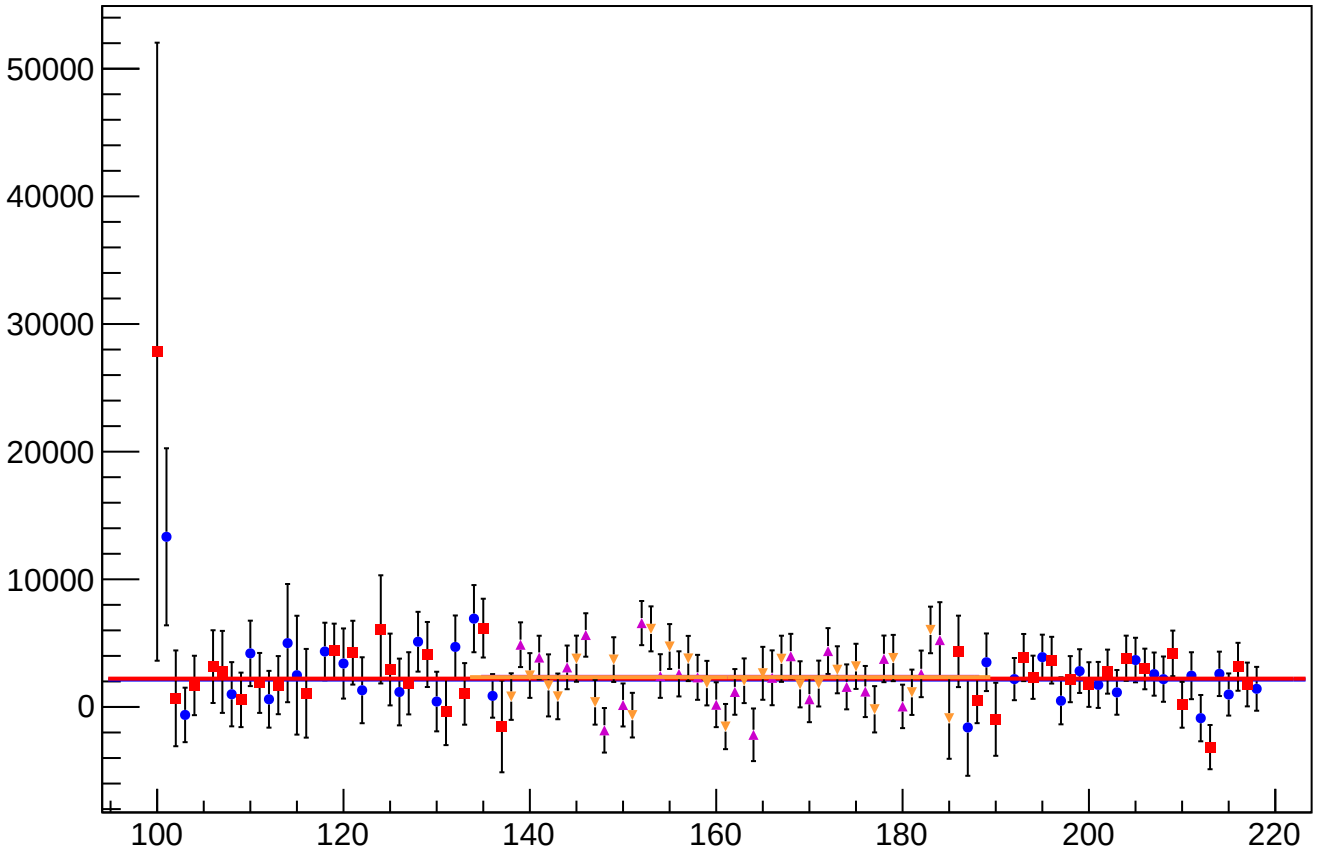
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1196.323+/-0.145 χ^2/NDF: 11686734.4/66

In: 1077.469+/-0.130 χ^2/NDF:7563438.7/54

Out: 1071.135+/-0.128 χ^2/NDF:8469898.0/59

All: 1074.245+/-0.091 χ^2/NDF: 16034542.2/1



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: 2219.395+/-367.398 χ^2/NDF: 28.6/34

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

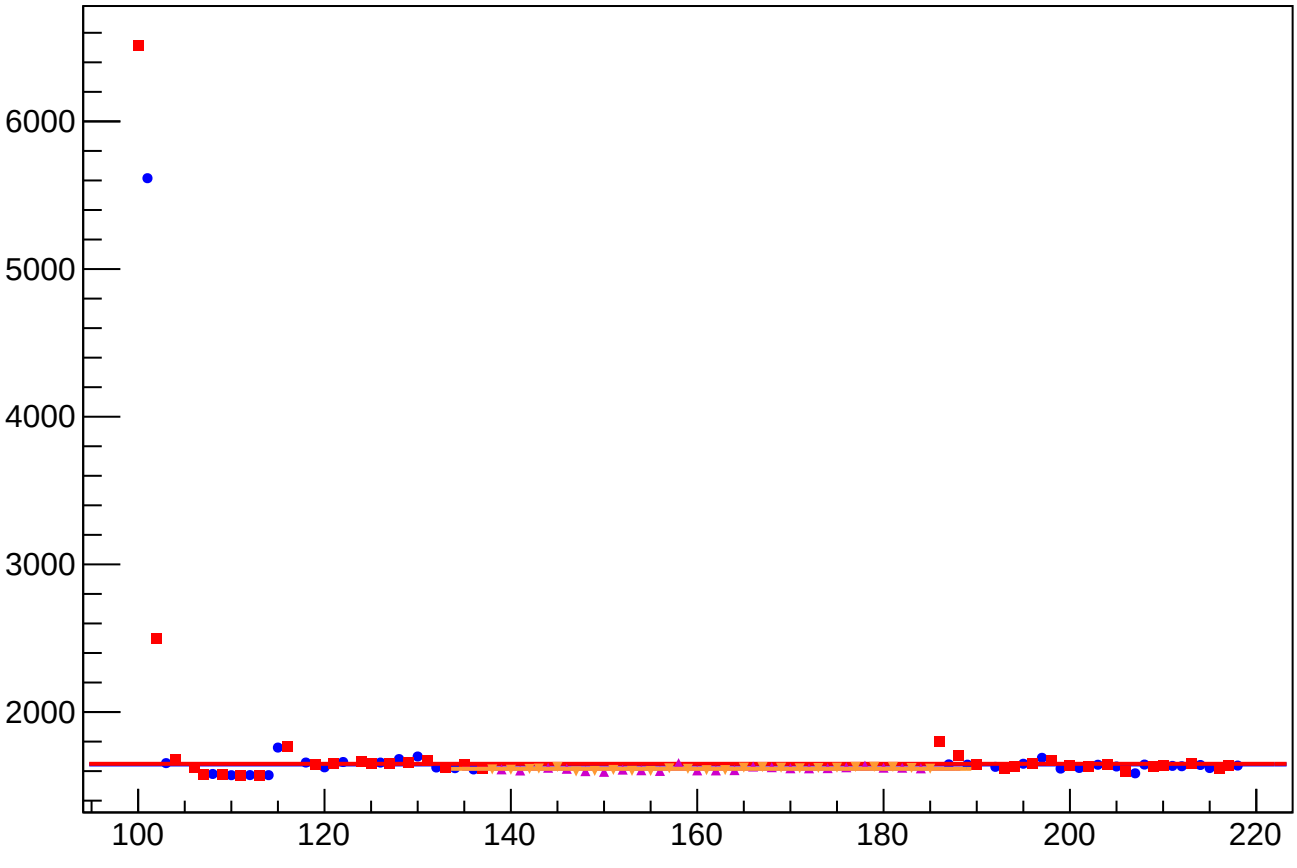
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2182.281+/-260.348 χ^2/NDF: 51.2/66

In: 2250.138+/-263.836 χ^2/NDF:56.7/54

Out: 2277.181+/-259.646 χ^2/NDF:56.9/59

All: 2263.876+/-185.061 χ^2/NDF: 113.6/114



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: 1649.494+/-0.260 χ^2/NDF: 206337.0/34

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

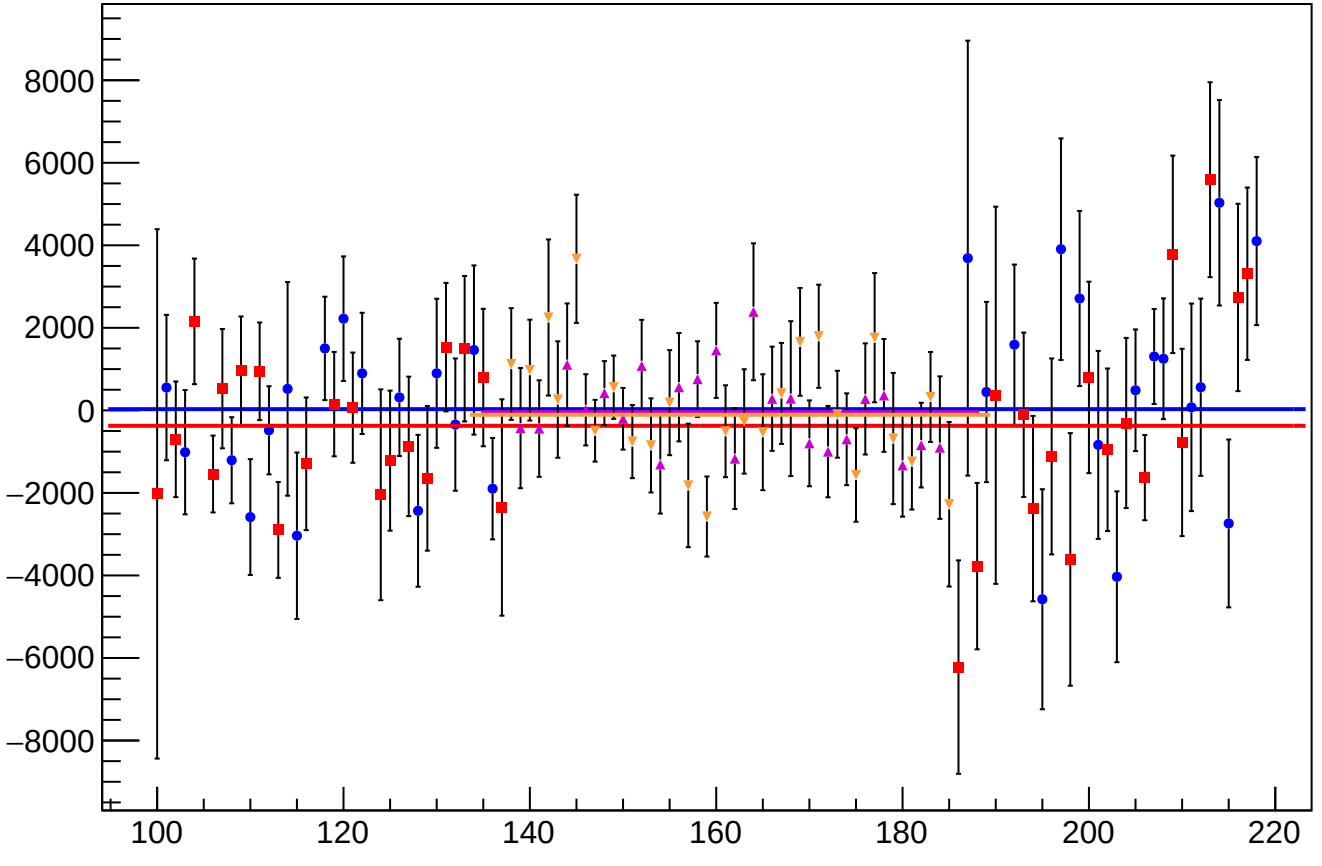
Right: 1647.261+/-0.184 χ^2/NDF: 877192.9/66

In: 1631.008+/-0.187 χ^2/NDF:679157.7/54

Out: 1632.545+/-0.184 χ^2/NDF:216287.6/59

All: 1631.789+/-0.131 χ^2/NDF: 895479.8/114

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: -373.558+/-284.149 χ^2/NDF: 43.7/34

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

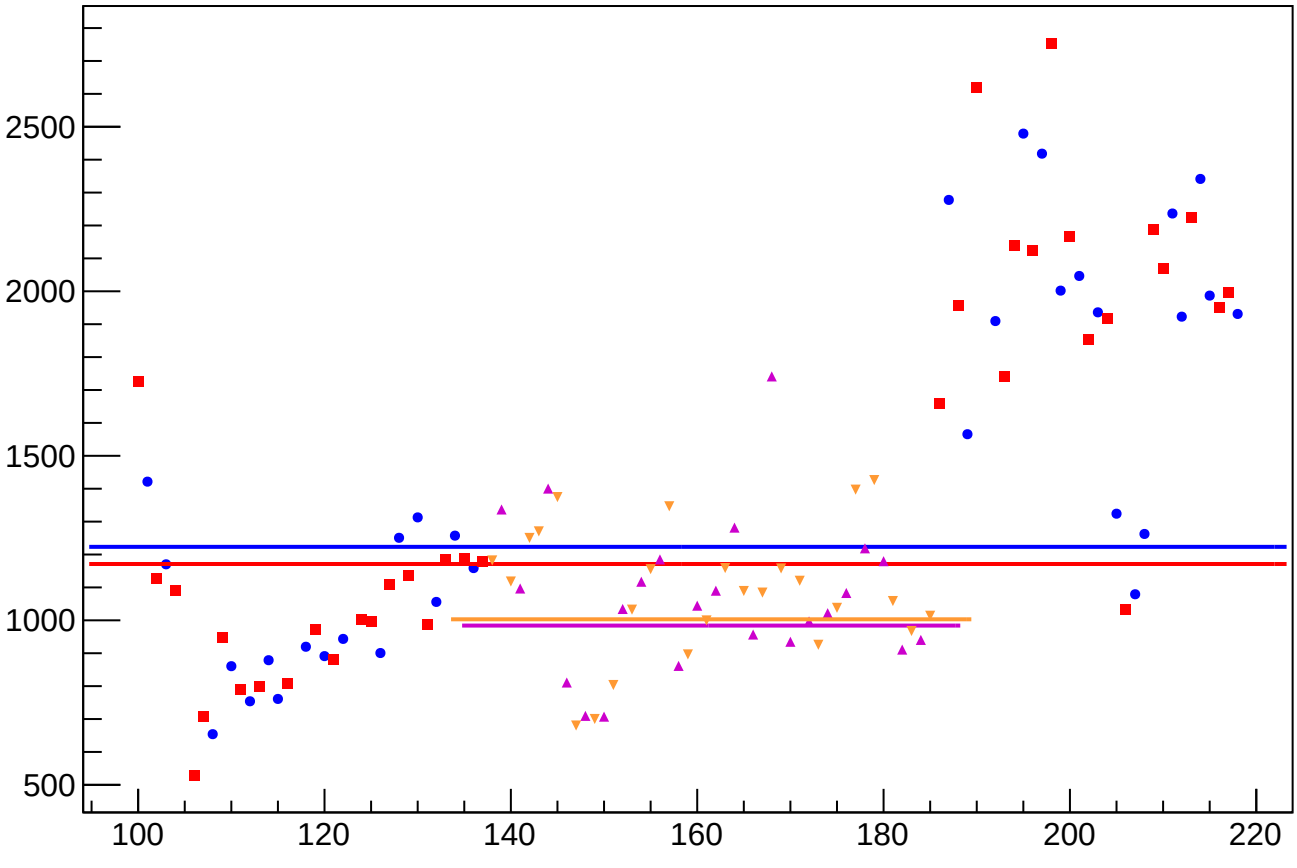
Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

Right: -179.152+/-204.506 χ^2/NDF: 85.4/66

In: -15.487+/-184.052 χ^2/NDF:53.6/54

Out: -214.495+/-180.774 χ^2/NDF:73.2/59

All: -116.779+/-128.970 χ^2/NDF: 127.4/114



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: 1171.190+/-0.201 χ^2/NDF: 6454909.4/34

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

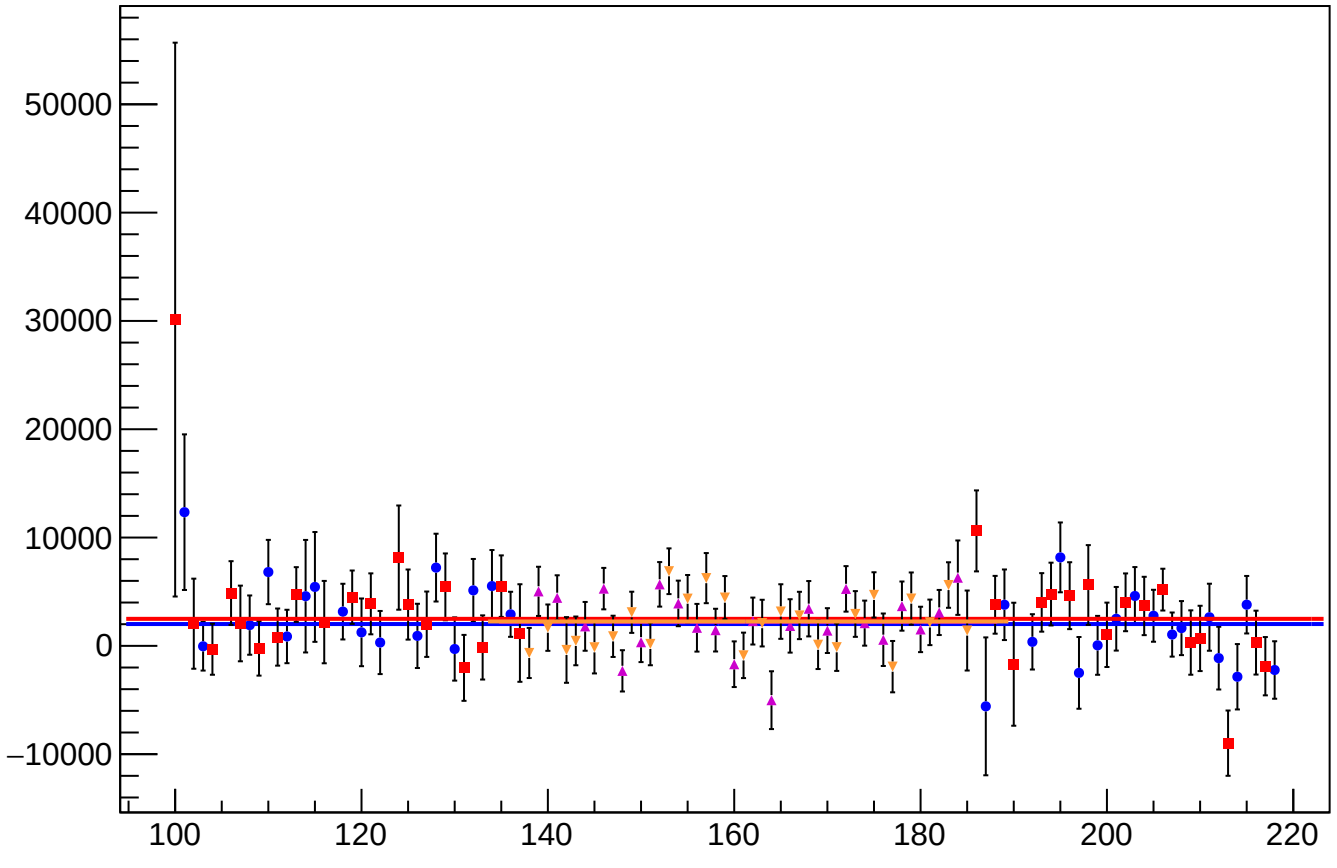
Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

Right: 1196.320+/-0.145 χ^2/NDF: 11686839.0/66

In: 1077.469+/-0.130 χ^2/NDF:7563468.8/54

Out: 1071.135+/-0.128 χ^2/NDF:8469920.2/59

All: 1074.246+/-0.091 χ^2/NDF: 16034594.6/1



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: 2494.432+/-504.562 χ^2/NDF: 42.2/34

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

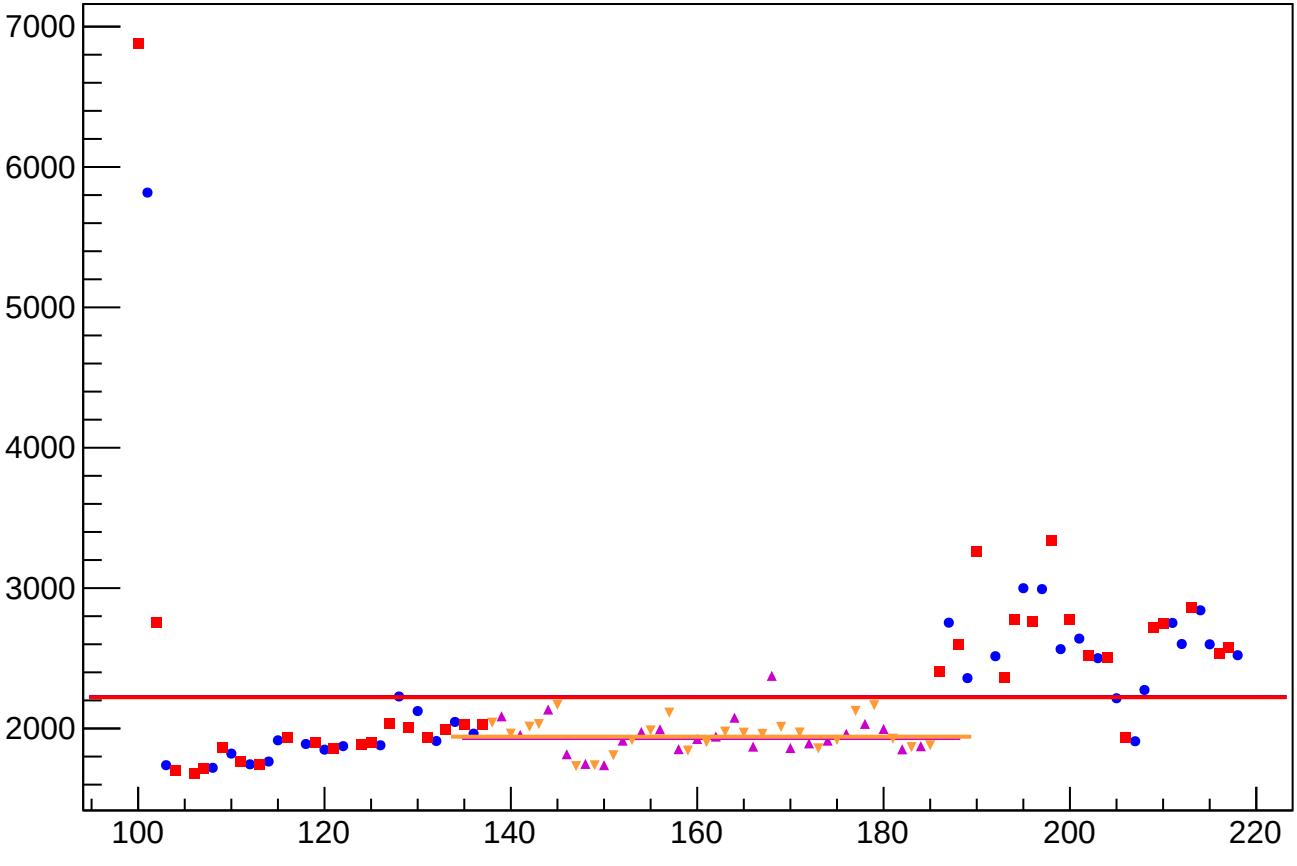
Right: 2255.266+/-357.541 χ^2/NDF: 72.0/66

In: 2128.343+/-337.425 χ^2/NDF:60.9/54

Out: 2357.535+/-332.563 χ^2/NDF:70.6/59

All: 2244.602+/-236.858 χ^2/NDF: 131.8/114

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: 2222.814+/-0.357 χ^2/NDF: 1511880.2/34

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

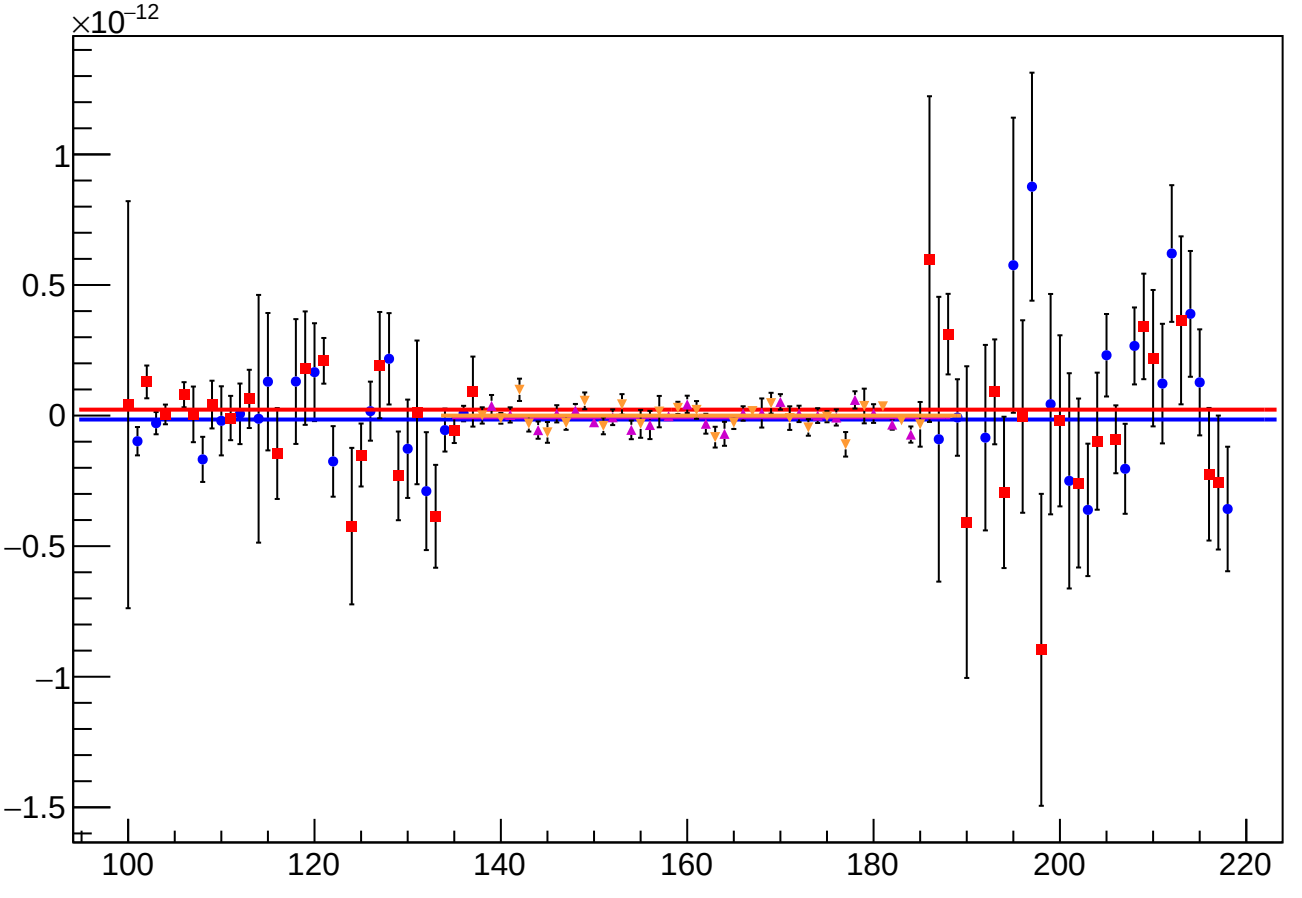
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2223.507+/-0.253 χ^2/NDF: 3140229.7/66

In: 2061.466+/-0.239 χ^2/NDF:2158861.4/54

Out: 2063.758+/-0.235 χ^2/NDF:2002301.1/59

All: 2062.628+/-0.167 χ^2/NDF: 4161209.4/11



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: 42.1/34

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

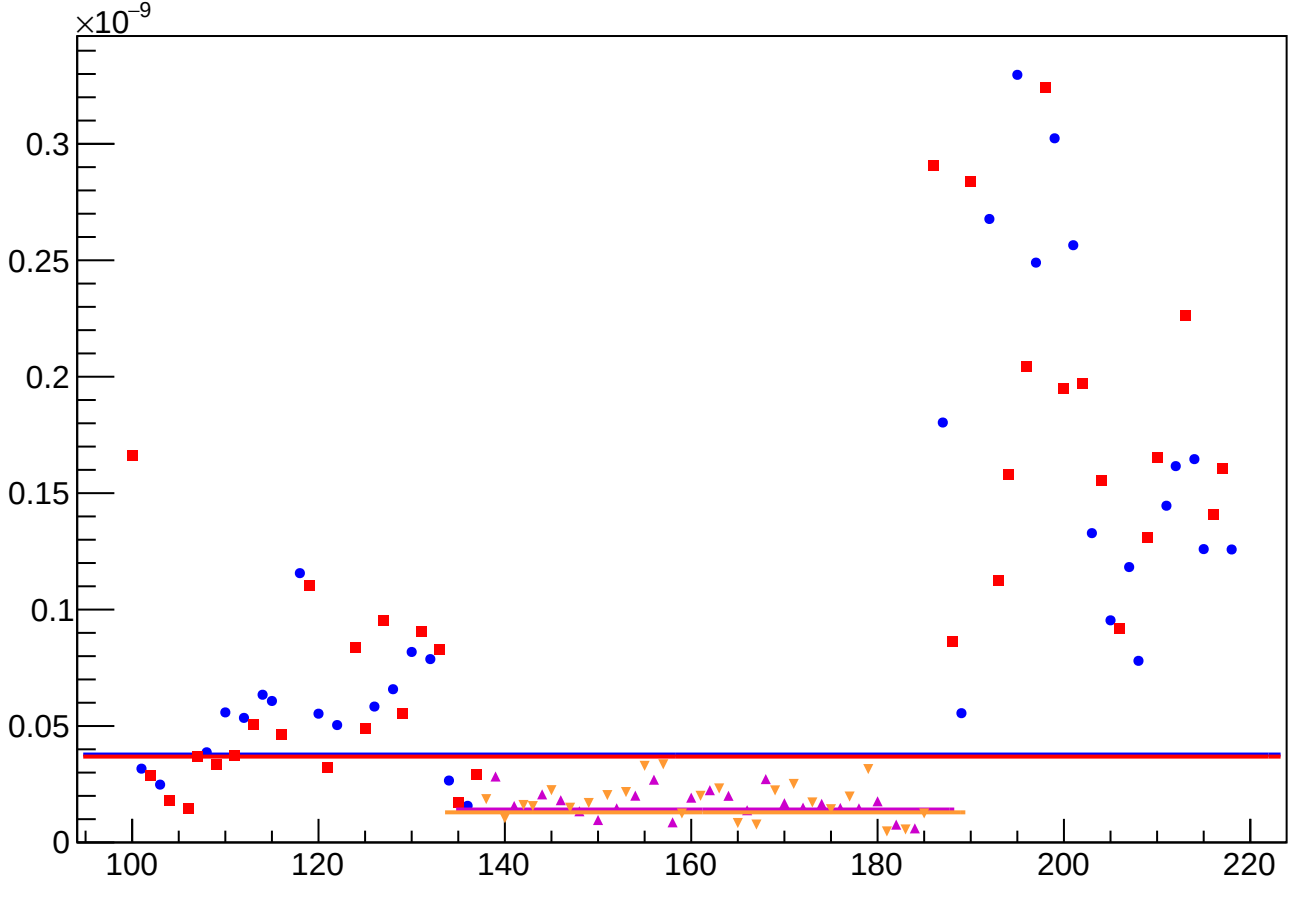
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: 0.000+/-0.000 χ^2/NDF: 83.8/66

In: -0.000+/-0.000 χ^2/NDF:67.3/54

Out: 0.000+/-0.000 χ^2/NDF:83.8/59

All: -0.000+/-0.000 χ^2/NDF: 152.4/114



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: 8595956.0/34

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

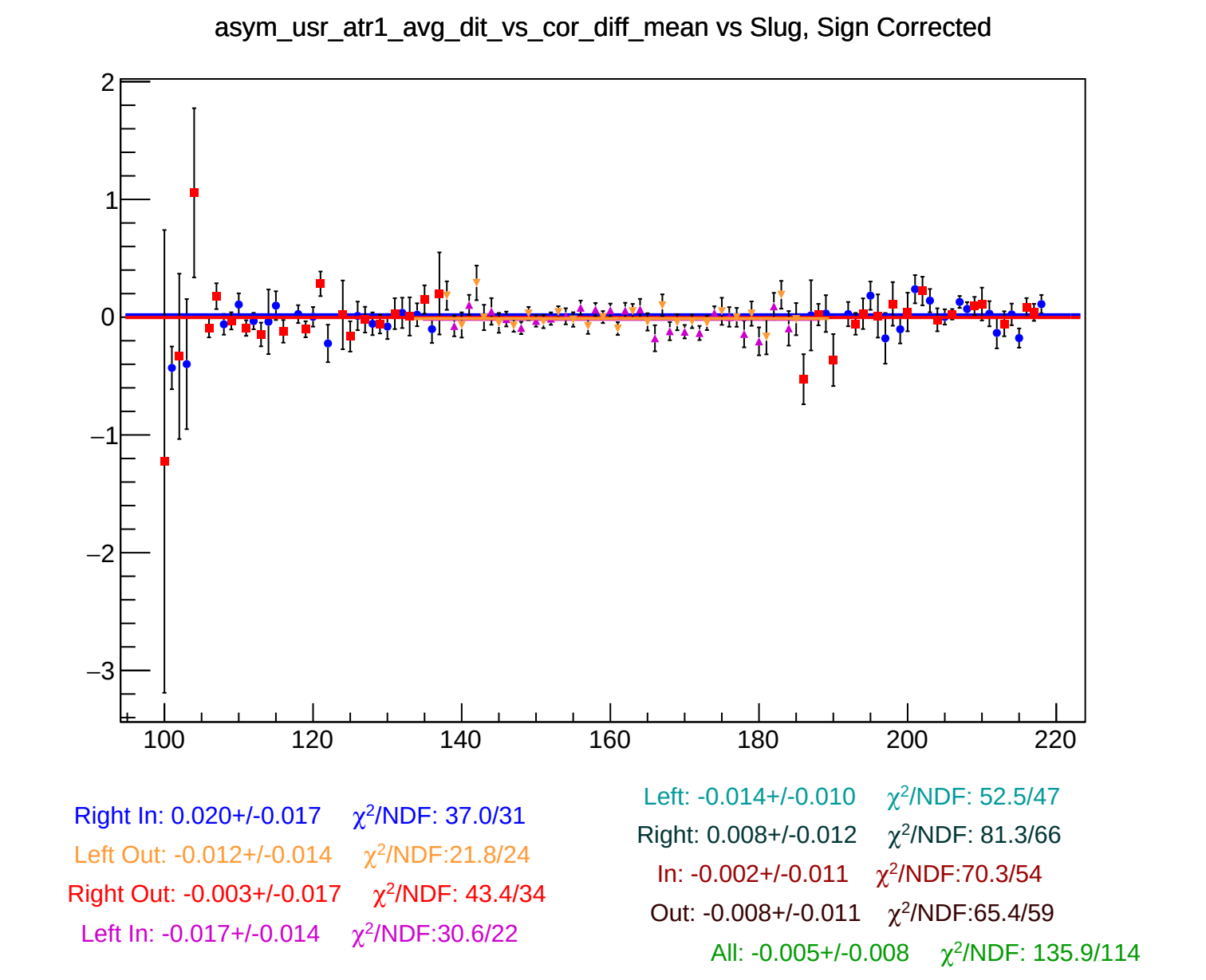
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

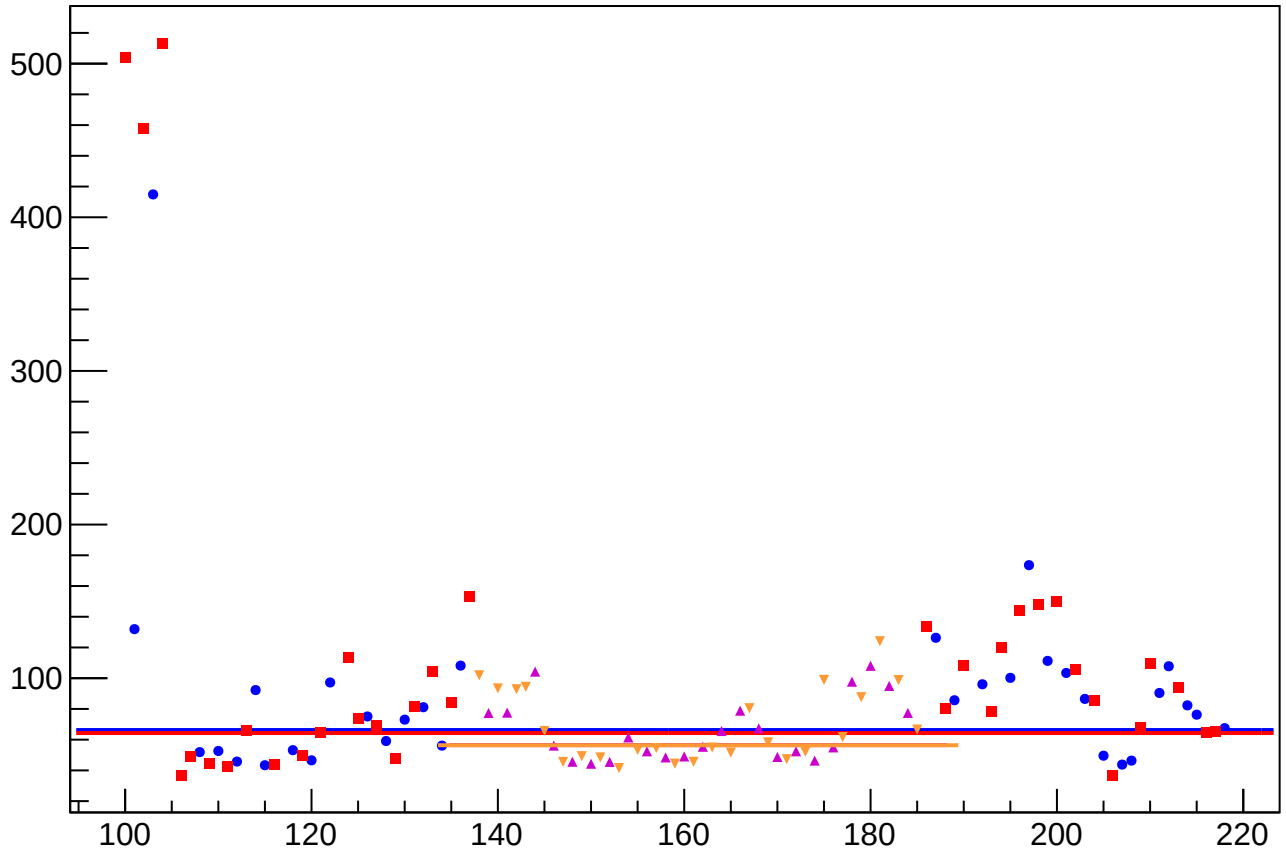
Right: 0.000+/-0.000 χ^2/NDF: 17166073.1/66

In: 0.000+/-0.000 χ^2/NDF:13124726.4/54

Out: 0.000+/-0.000 χ^2/NDF:14492230.4/59

All: 0.000+/-0.000 χ^2/NDF: 27692427.2/114


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: -0.003+/-0.017 χ²/NDF: 43.4/34
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.008+/-0.012 χ²/NDF: 81.3/66
In: -0.002+/-0.011 χ²/NDF:70.3/54
Out: -0.008+/-0.011 χ²/NDF:65.4/59
All: -0.005+/-0.008 χ²/NDF: 135.9/114



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: 64.317+/-0.012 χ^2/NDF: 6405114.0/34

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

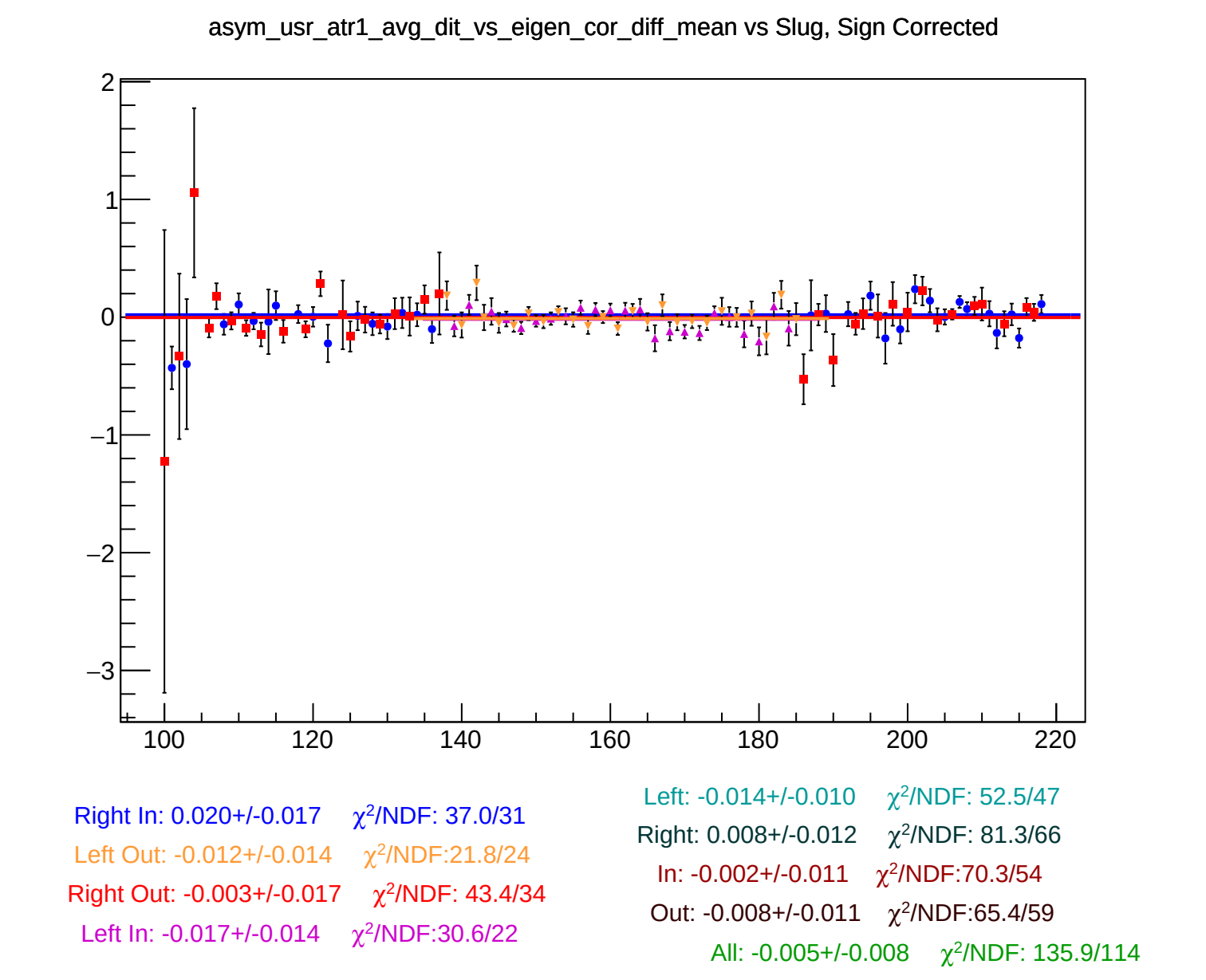
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 65.282+/-0.009 χ^2/NDF: 11057348.5/66

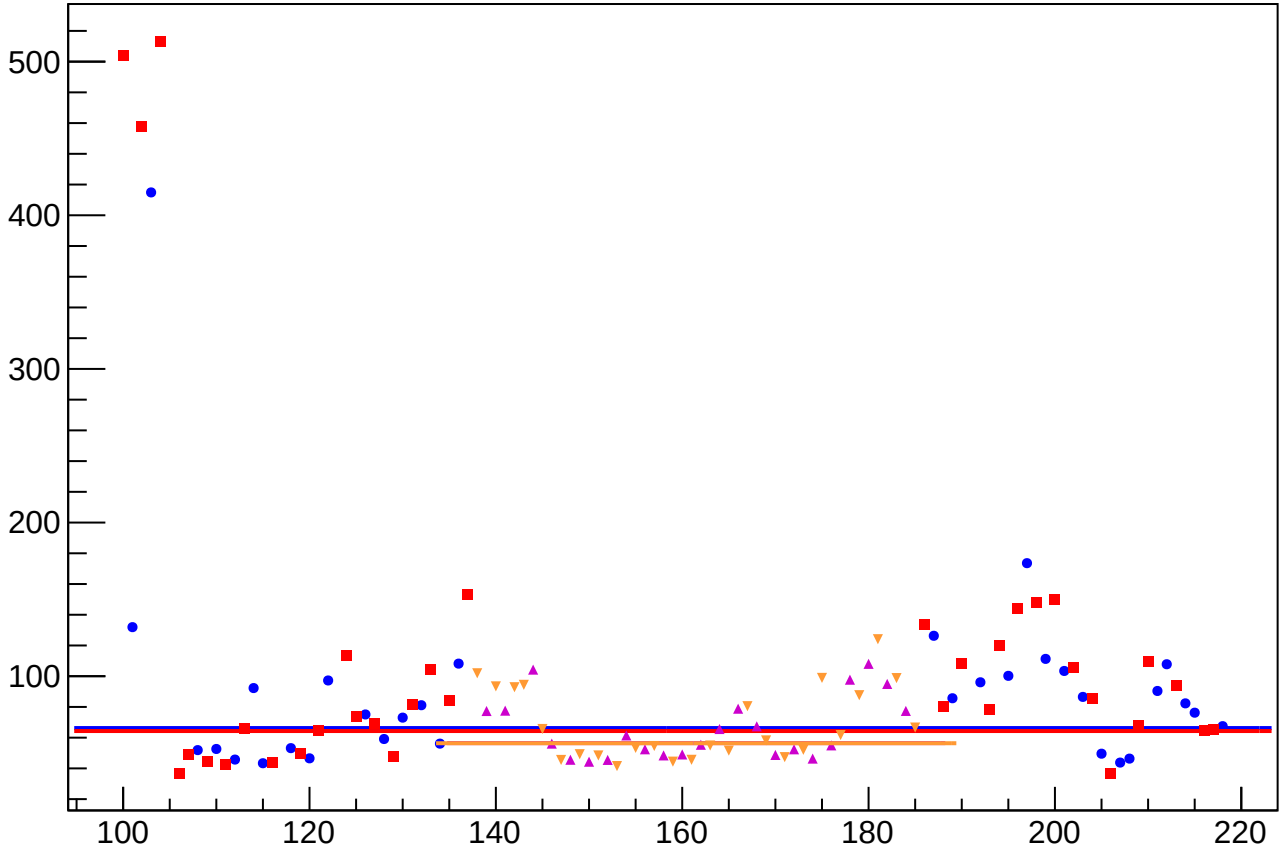
In: 60.541+/-0.008 χ^2/NDF:7159516.6/54

Out: 59.647+/-0.008 χ^2/NDF:9456191.3/59

All: 60.091+/-0.006 χ^2/NDF: 16622284.2/114


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: -0.003+/-0.017 χ²/NDF: 43.4/34
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.008+/-0.012 χ²/NDF: 81.3/66
In: -0.002+/-0.011 χ²/NDF:70.3/54
Out: -0.008+/-0.011 χ²/NDF:65.4/59
All: -0.005+/-0.008 χ²/NDF: 135.9/114

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: 64.317+/-0.012 χ^2/NDF: 6405114.0/34

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

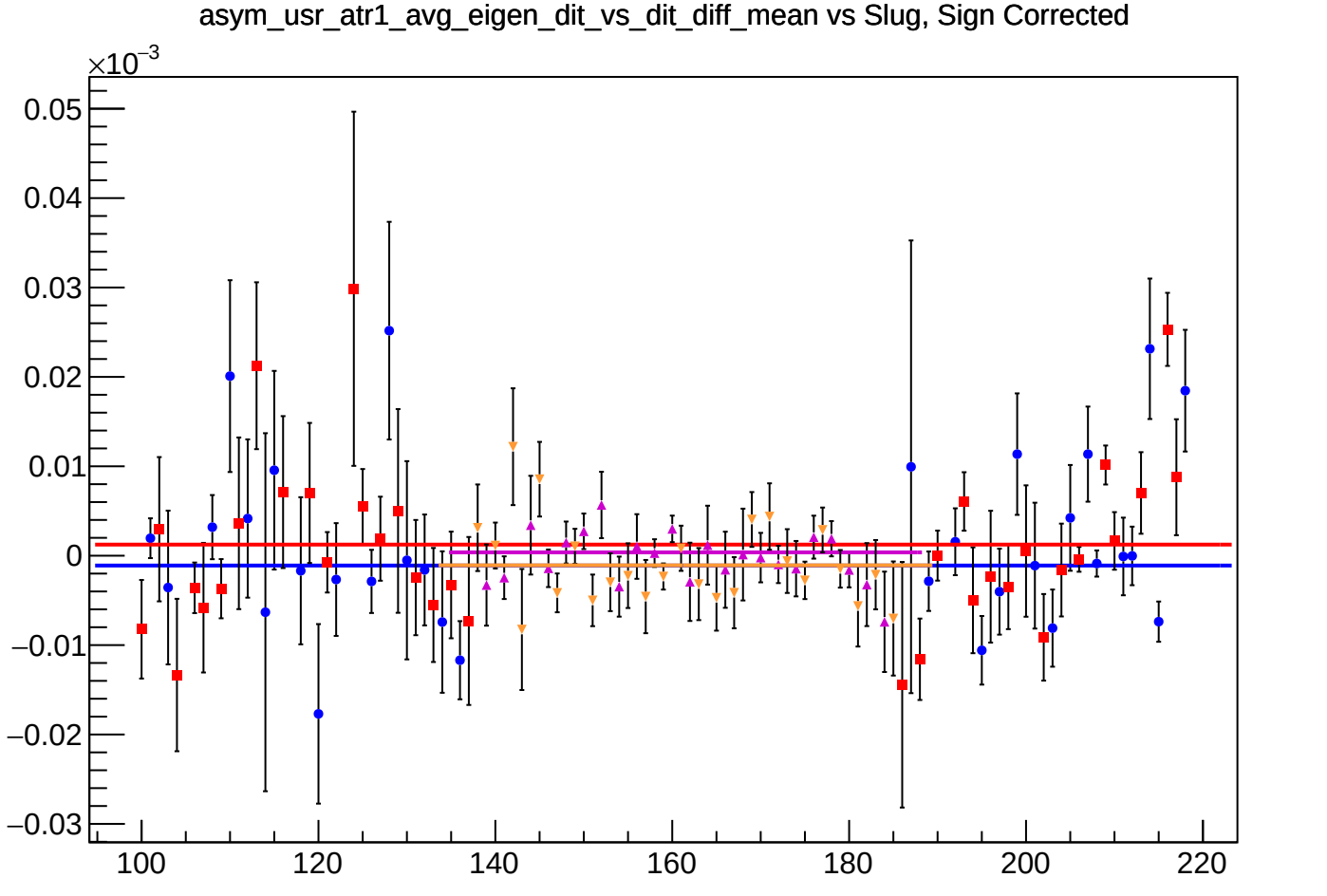
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

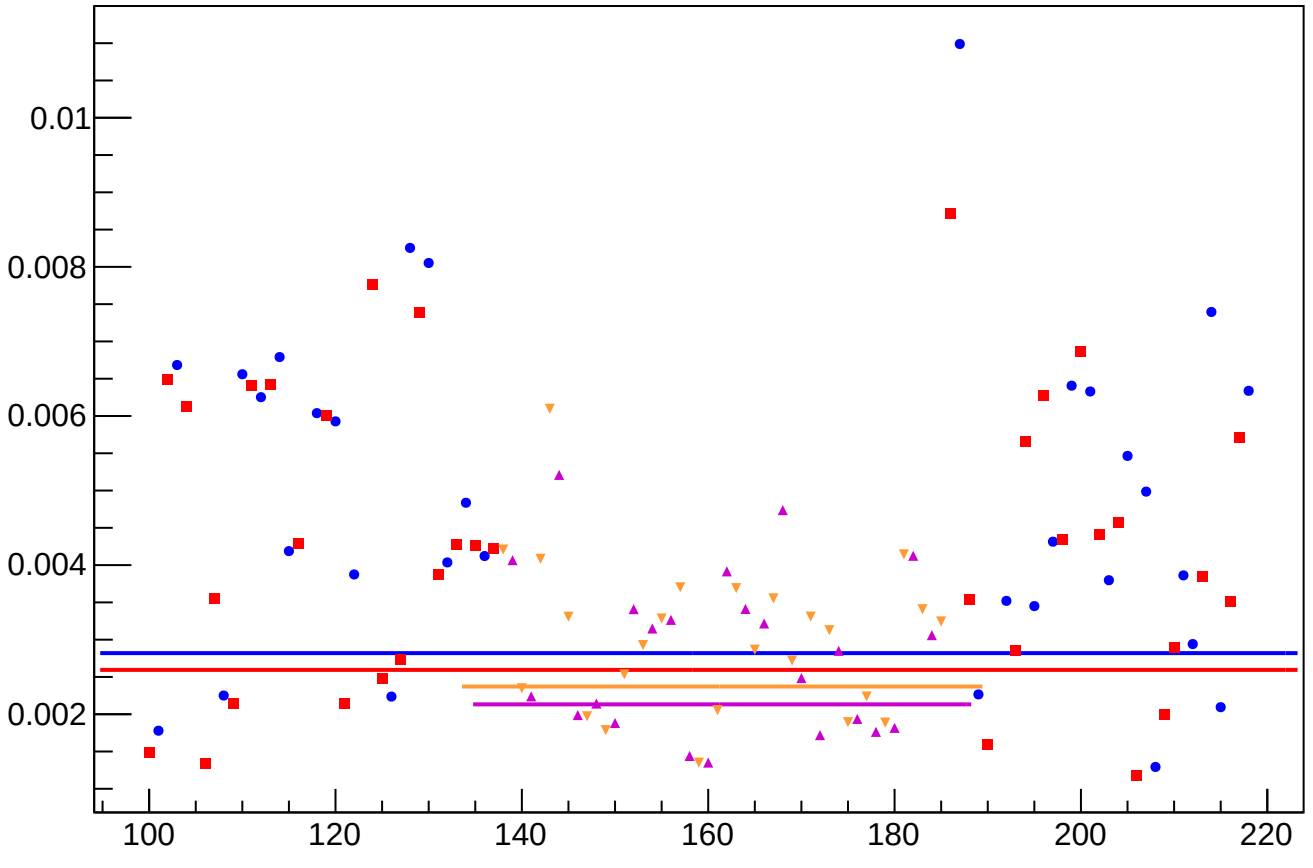
Right: 65.282+/-0.009 χ^2/NDF: 11057348.5/66

In: 60.541+/-0.008 χ^2/NDF:7159516.6/54

Out: 59.647+/-0.008 χ^2/NDF:9456191.3/59

All: 60.091+/-0.006 χ^2/NDF: 16622284.2/114


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: 98.7/34
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: 172.4/66
In: -0.000+/-0.000 χ²/NDF:88.4/54
Out: -0.000+/-0.000 χ²/NDF:136.8/59
All: -0.000+/-0.000 χ²/NDF: 225.2/114



Right In: 0.003+/-0.000 χ^2/NDF: 9562885.0/31

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9710488.6/34

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

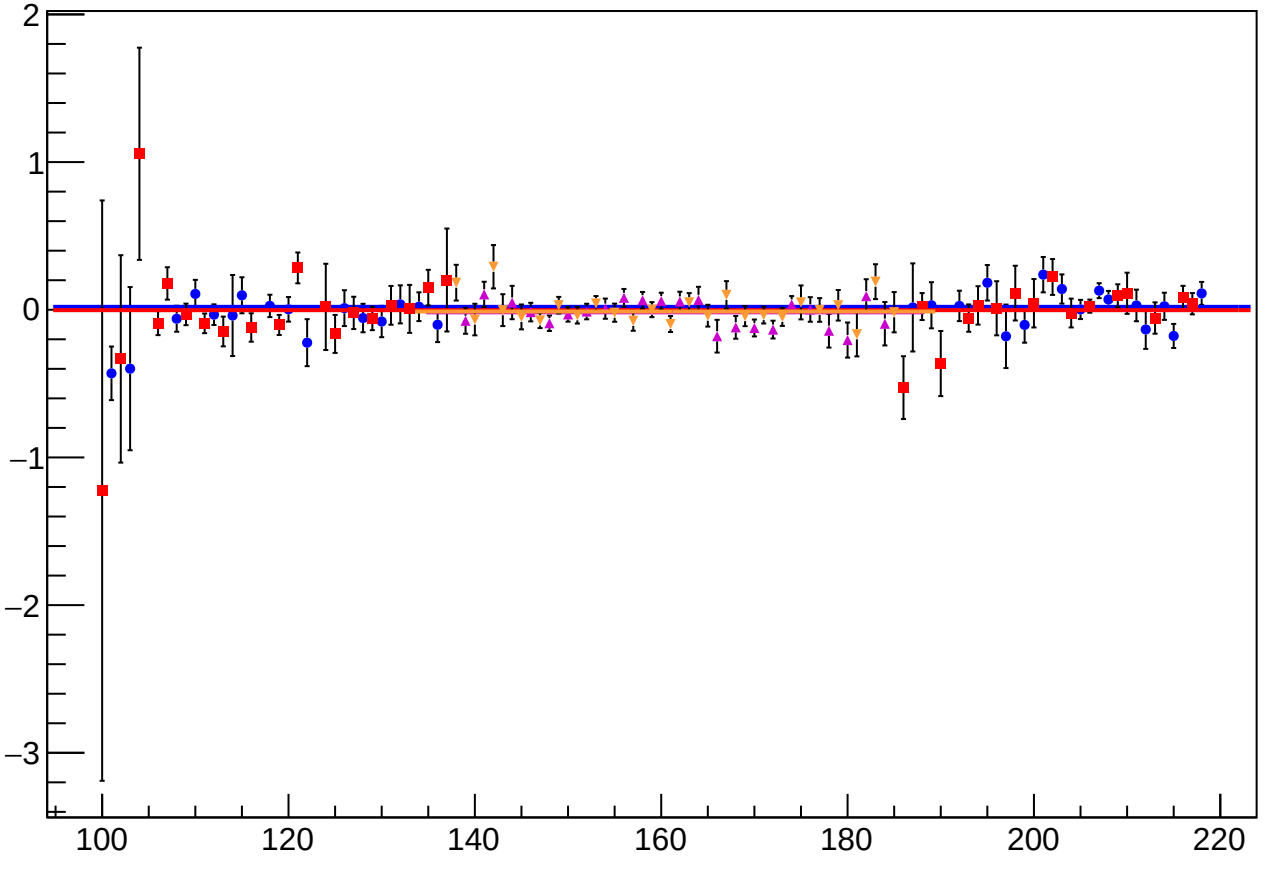
Right: 0.003+/-0.000 χ^2/NDF: 19371807.0/66

In: 0.002+/-0.000 χ^2/NDF:15220975.4/54

Out: 0.002+/-0.000 χ^2/NDF:13992485.1/59

All: 0.002+/-0.000 χ^2/NDF: 29256829.1/114

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.003+/-0.017 χ^2/NDF: 43.4/34

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

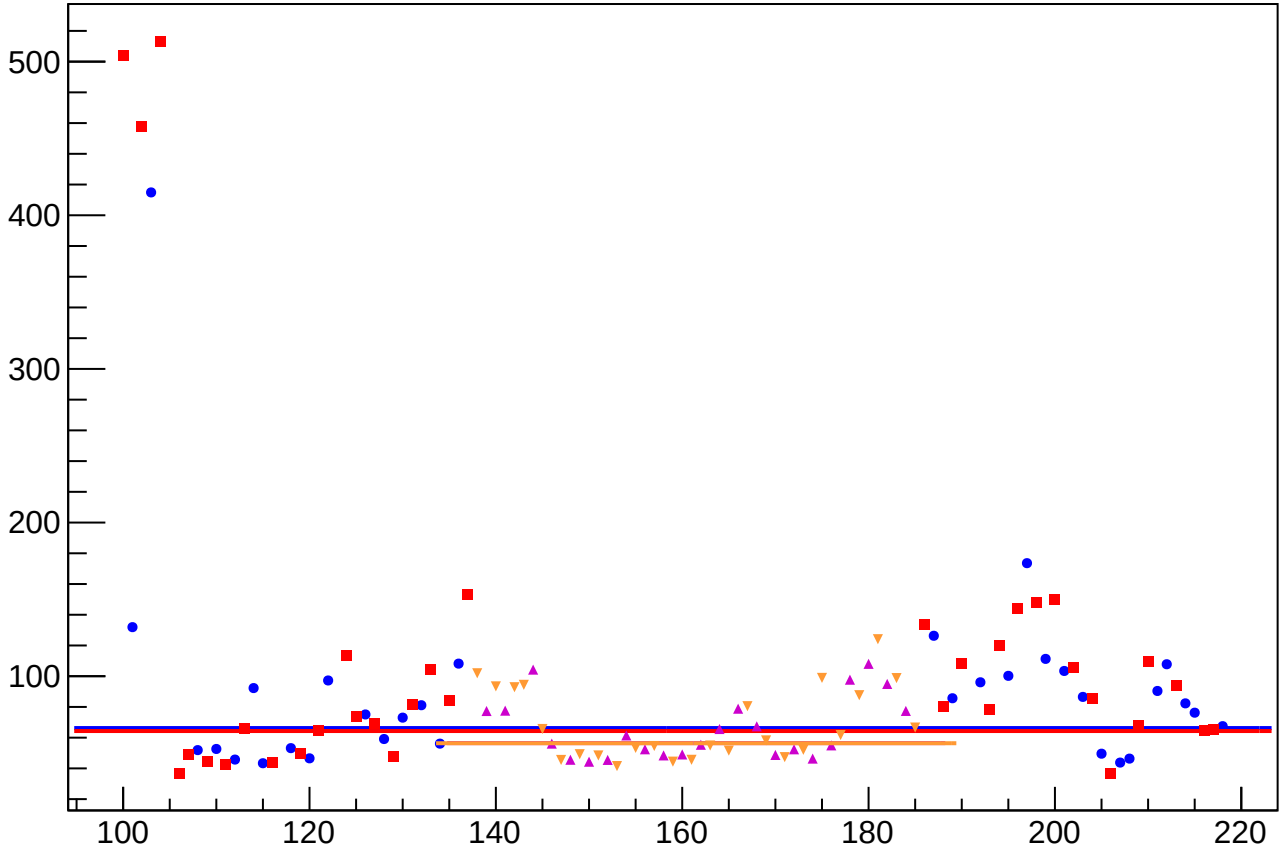
Right: 0.008+/-0.012 χ^2/NDF: 81.3/66

In: -0.002+/-0.011 χ^2/NDF:70.3/54

Out: -0.008+/-0.011 χ^2/NDF:65.4/59

All: -0.005+/-0.008 χ^2/NDF: 135.9/114

asym_usr_atr1_avg_eigen_dit_vs_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: 64.317+/-0.012 χ^2/NDF: 6405159.4/34

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

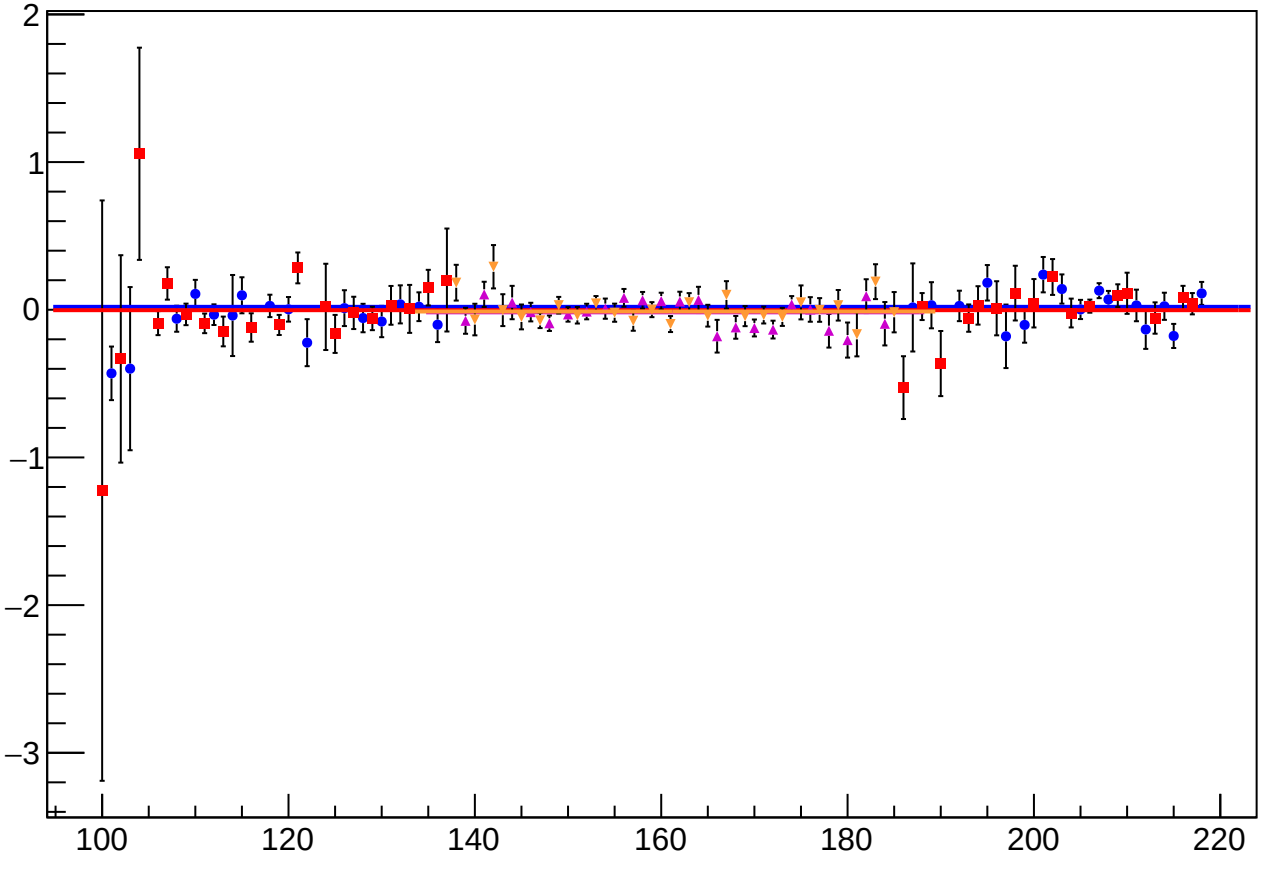
Right: 65.281+/-0.009 χ^2/NDF: 11057358.5/66

In: 60.541+/-0.008 χ^2/NDF:7159426.2/54

Out: 59.647+/-0.008 χ^2/NDF:9456267.6/59

All: 60.091+/-0.006 χ^2/NDF: 16622270.2/114

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.003+/-0.017 χ^2/NDF: 43.4/34

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

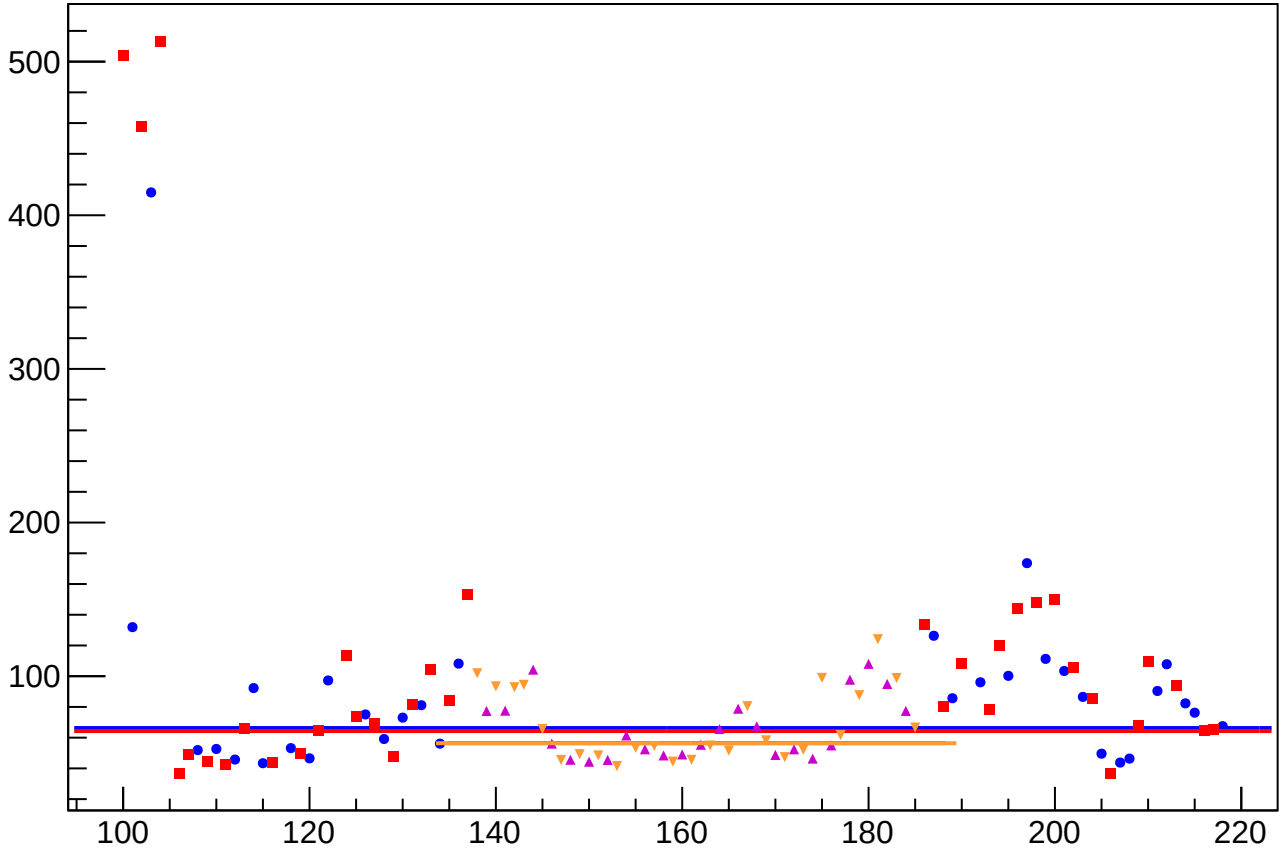
Right: 0.008+/-0.012 χ^2/NDF: 81.3/66

In: -0.002+/-0.011 χ^2/NDF:70.3/54

Out: -0.008+/-0.011 χ^2/NDF:65.4/59

All: -0.005+/-0.008 χ^2/NDF: 135.9/114

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: 64.317+/-0.012 χ^2/NDF: 6405159.4/34

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

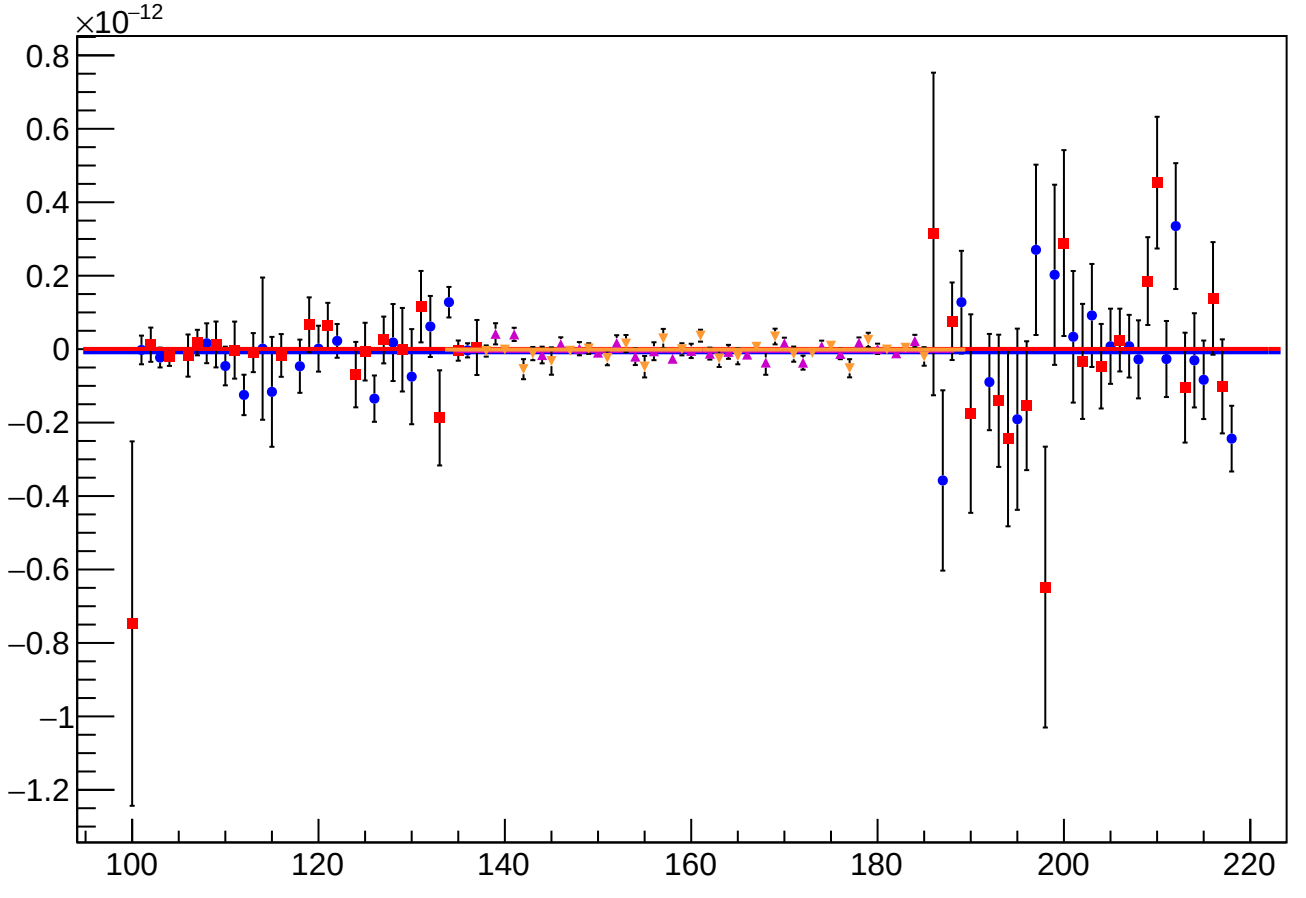
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 65.281+/-0.009 χ^2/NDF: 11057358.5/66

In: 60.541+/-0.008 χ^2/NDF:7159426.2/54

Out: 59.647+/-0.008 χ^2/NDF:9456267.6/59

All: 60.091+/-0.006 χ^2/NDF: 16622270.2/114



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: 28.7/34

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

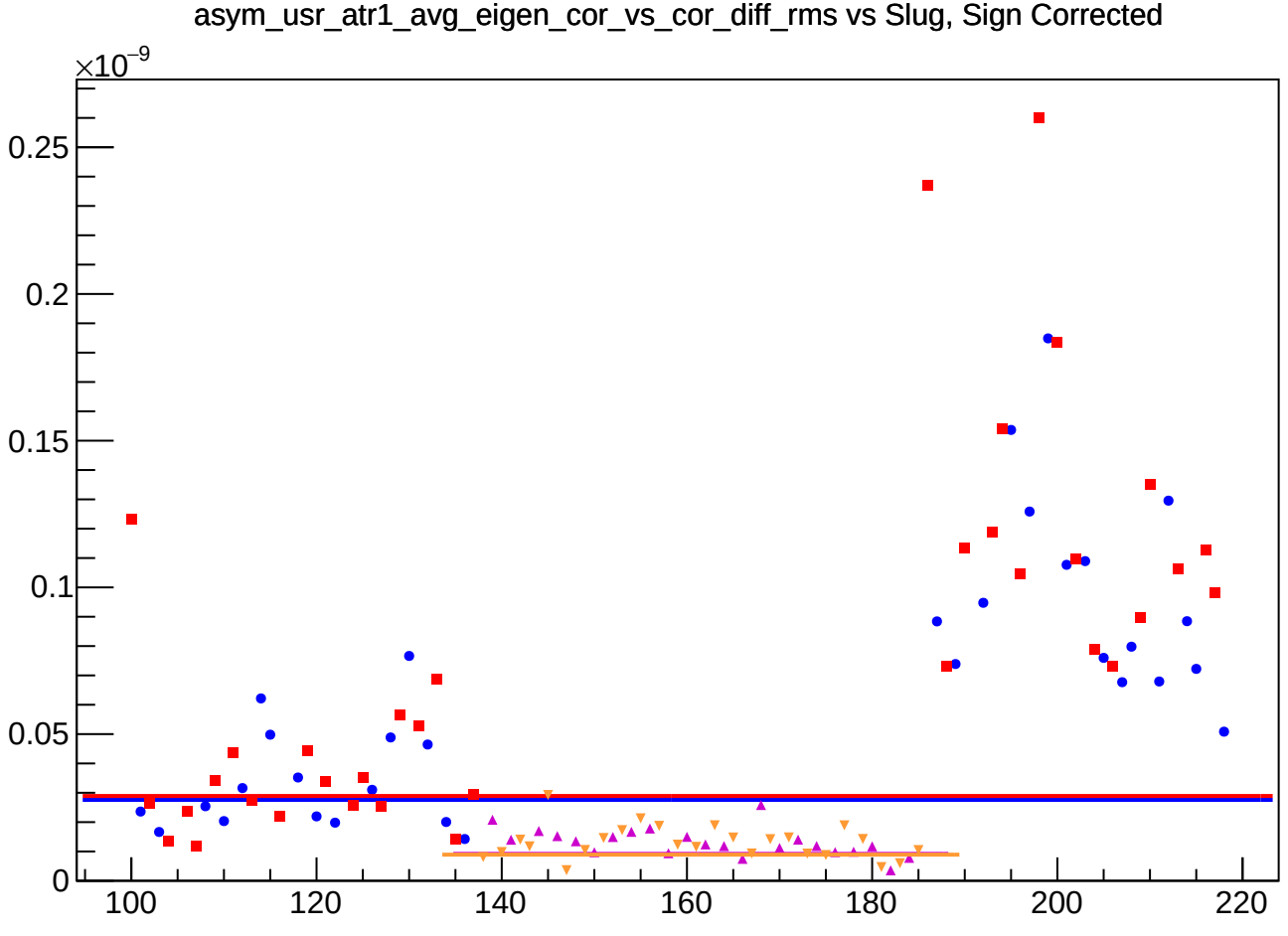
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 70.0/66

In: -0.000+/-0.000 χ^2/NDF:69.4/54

Out: -0.000+/-0.000 χ^2/NDF:58.4/59

All: -0.000+/-0.000 χ^2/NDF: 128.8/114



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: 10877394.6/34

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

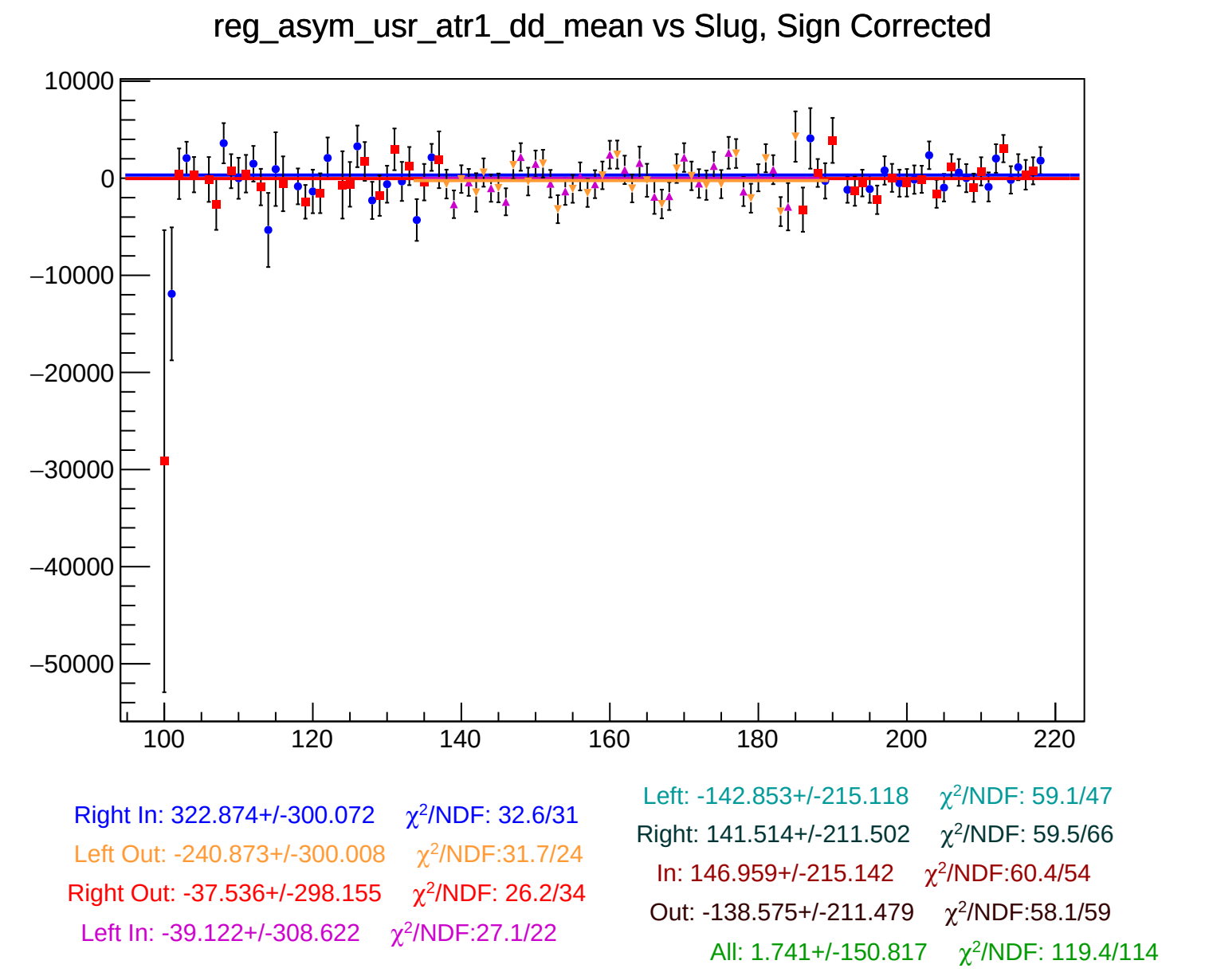
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

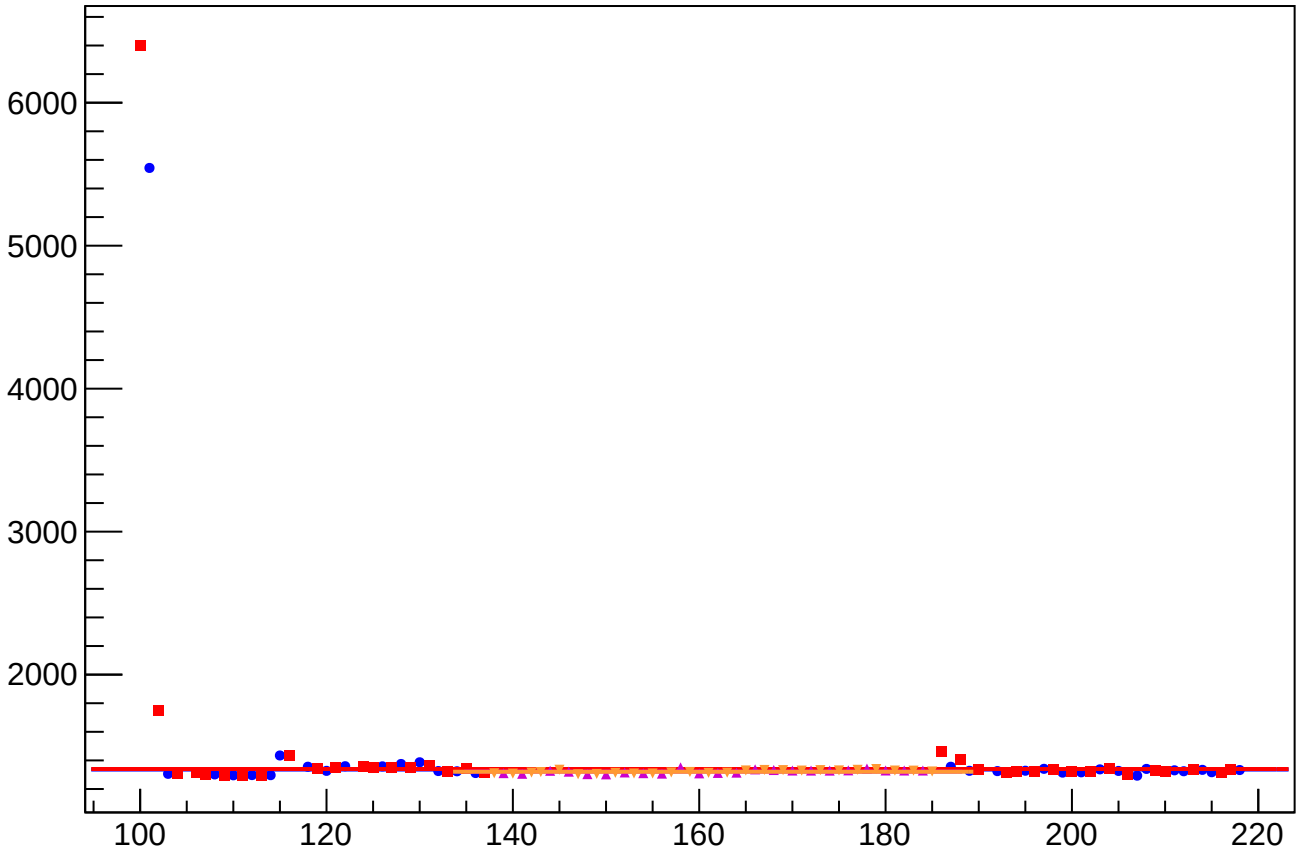
Right: 0.000+/-0.000 χ^2/NDF: 19952593.5/66

In: 0.000+/-0.000 χ^2/NDF:19676311.9/54

Out: 0.000+/-0.000 χ^2/NDF:21762045.0/59

All: 0.000+/-0.000 χ^2/NDF: 41456507.4/114


reg_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: 322.874+/-300.072 χ²/NDF: 32.6/31
Left Out: -240.873+/-300.008 χ²/NDF:31.7/24
Right Out: -37.536+/-298.155 χ²/NDF: 26.2/34
Left In: -39.122+/-308.622 χ²/NDF:27.1/22
Left: -142.853+/-215.118 χ²/NDF: 59.1/47
Right: 141.514+/-211.502 χ²/NDF: 59.5/66
In: 146.959+/-215.142 χ²/NDF:60.4/54
Out: -138.575+/-211.479 χ²/NDF:58.1/59
All: 1.741+/-150.817 χ²/NDF: 119.4/114



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: 1339.863+/-0.211 χ^2/NDF: 162610.0/34

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

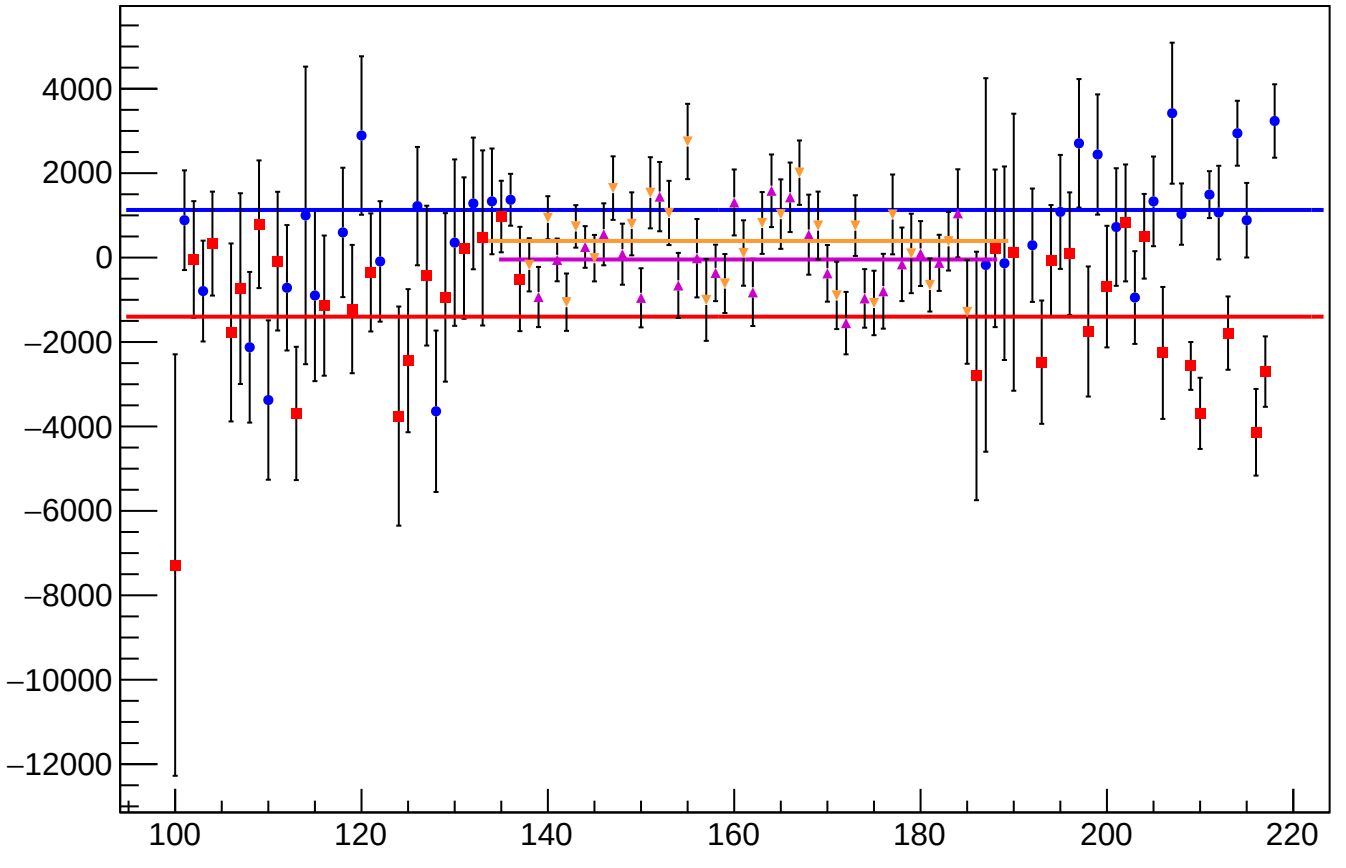
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1338.069+/-0.150 χ^2/NDF: 929849.9/66

In: 1329.221+/-0.152 χ^2/NDF:772907.5/54

Out: 1330.361+/-0.150 χ^2/NDF:169300.4/59

All: 1329.801+/-0.107 χ^2/NDF: 942236.5/114



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: -1399.266+/-218.324 χ^2/NDF: 53.5/34

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

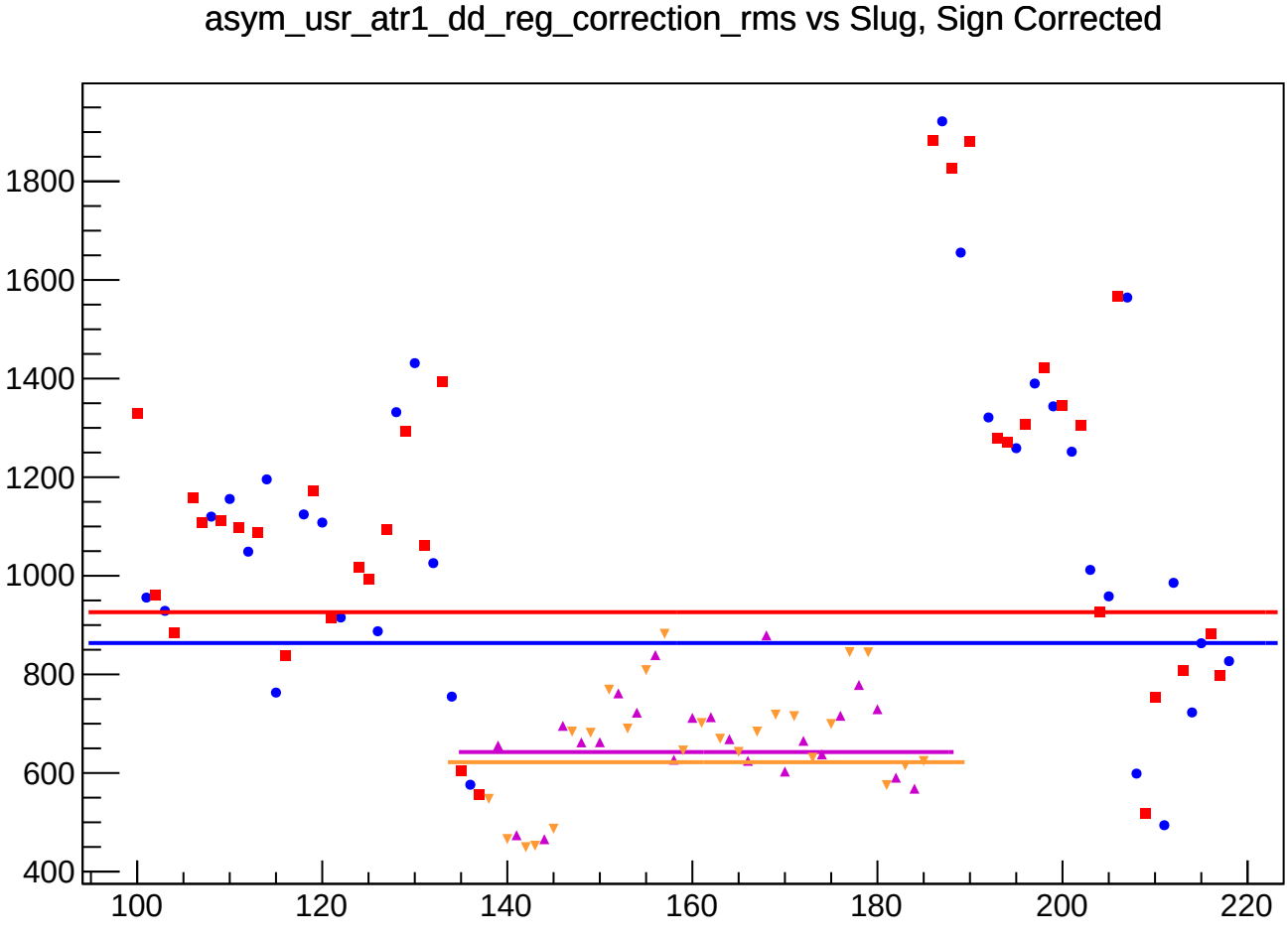
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: -55.108+/-149.395 χ^2/NDF: 167.6/66

In: 372.945+/-122.243 χ^2/NDF:91.4/54

Out: -152.203+/-120.534 χ^2/NDF:142.3/59

All: 106.674+/-85.828 χ^2/NDF: 243.1/114



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: 926.181+/-0.154 χ^2/NDF: 4169426.6/34

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

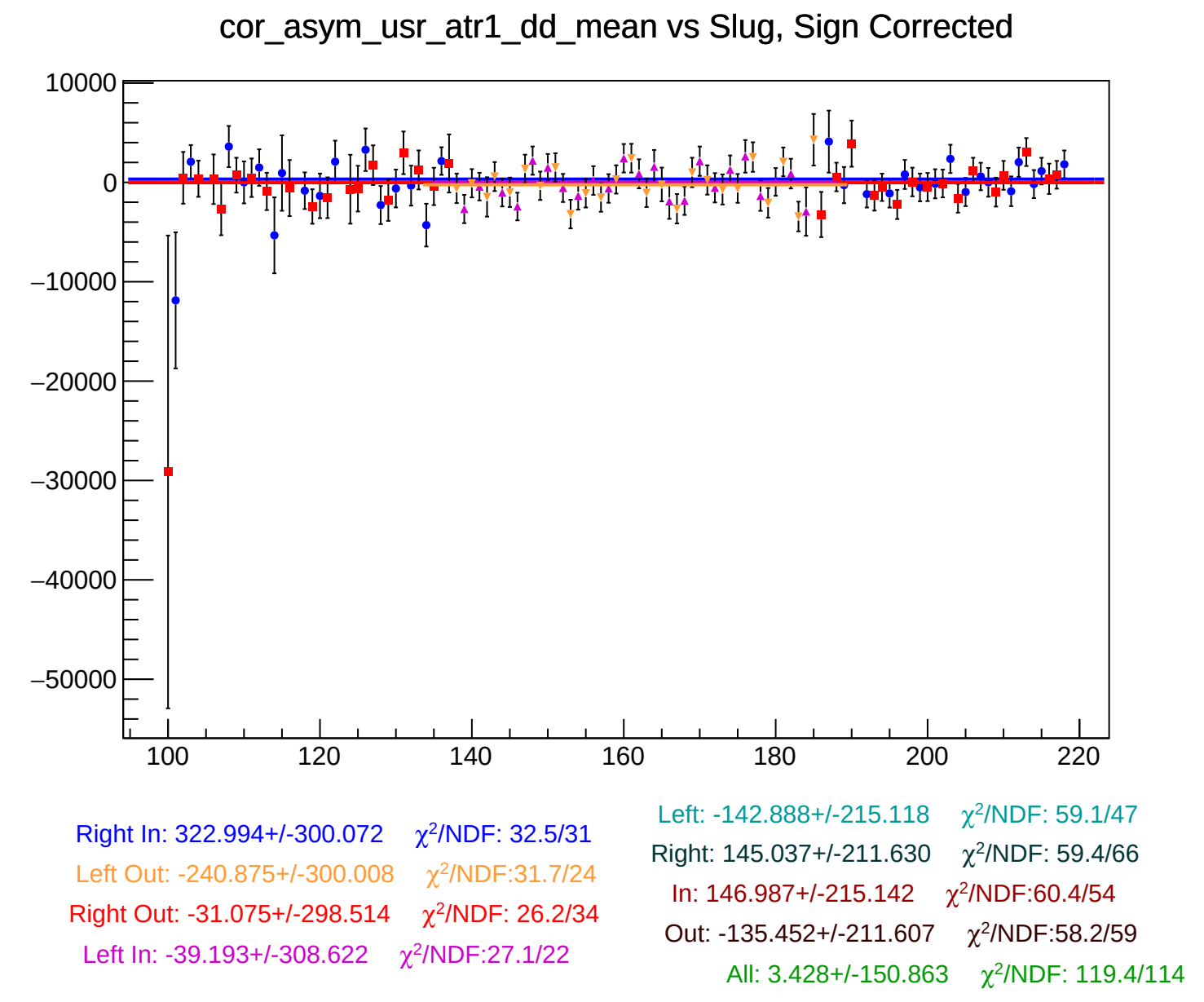
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 892.921+/-0.106 χ^2/NDF: 8300201.8/66

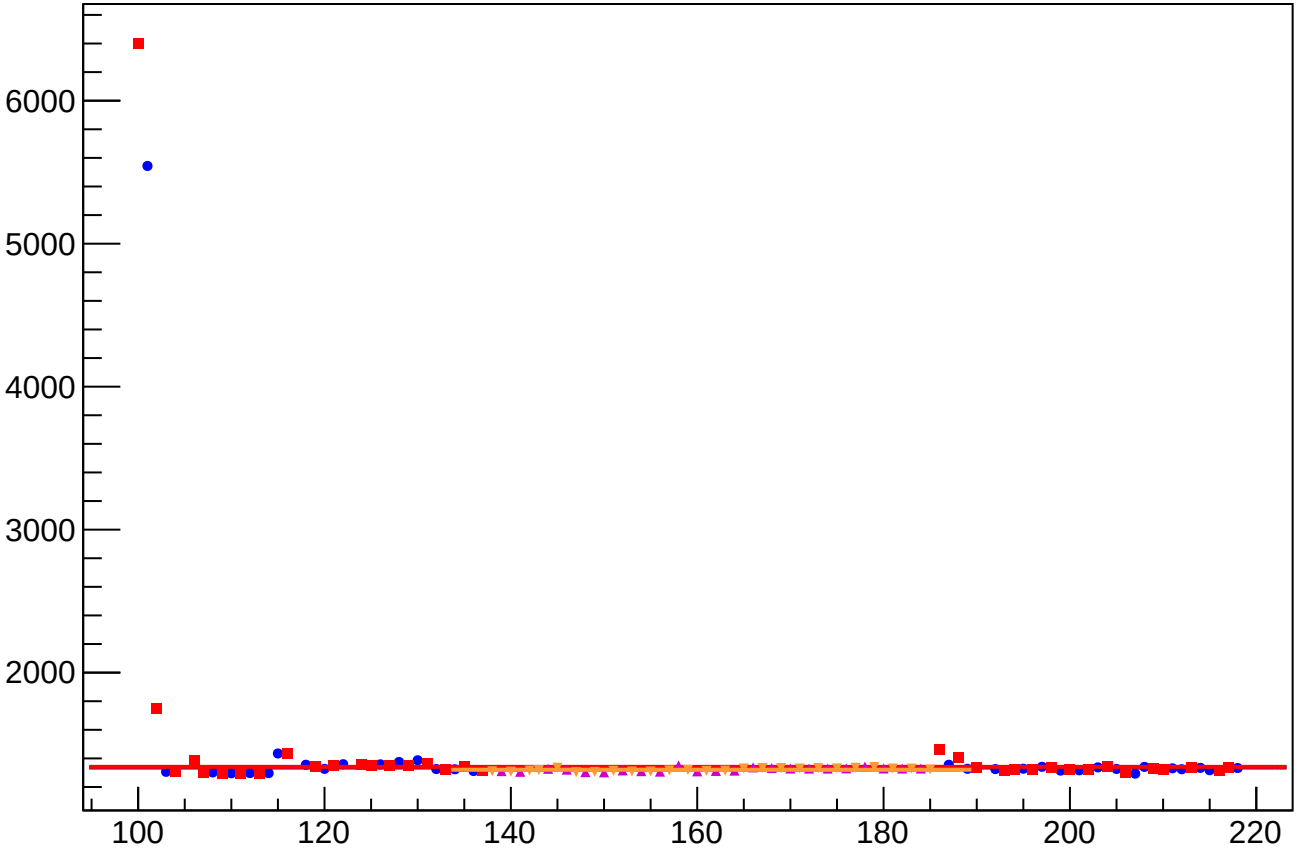
In: 721.212+/-0.086 χ^2/NDF:6470759.9/54

Out: 714.679+/-0.085 χ^2/NDF:8252768.1/59

All: 717.900+/-0.061 χ^2/NDF: 14726424.0/11


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: -31.075+/-298.514 χ²/NDF: 26.2/34
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: 145.037+/-211.630 χ²/NDF: 59.4/66
In: 146.987+/-215.142 χ²/NDF:60.4/54
Out: -135.452+/-211.607 χ²/NDF:58.2/59
All: 3.428+/-150.863 χ²/NDF: 119.4/114

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: 1340.937+/-0.211 χ^2/NDF: 163165.4/34

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

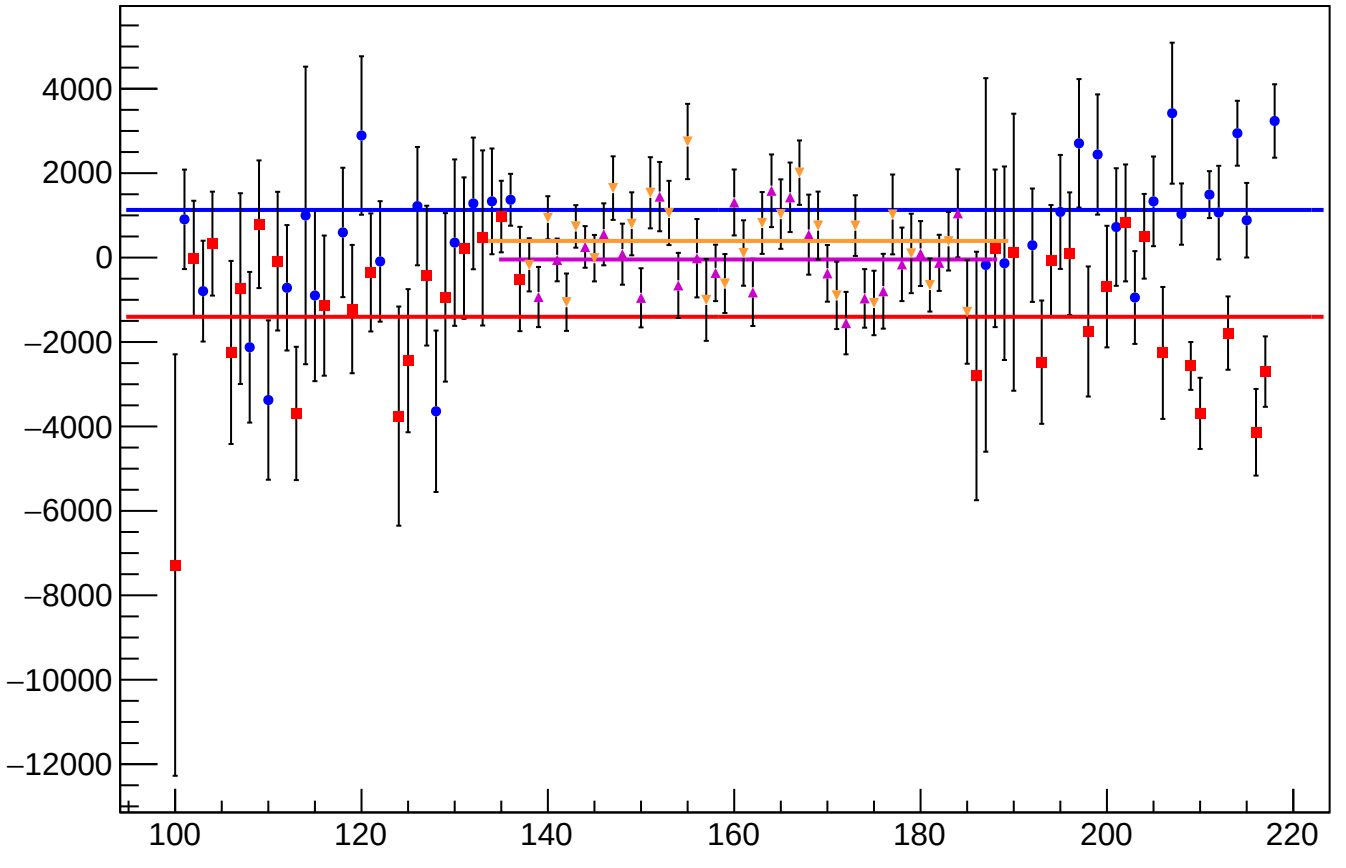
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1338.607+/-0.150 χ^2/NDF: 930503.6/66

In: 1329.221+/-0.152 χ^2/NDF:772906.5/54

Out: 1330.889+/-0.150 χ^2/NDF:170322.6/59

All: 1330.069+/-0.107 χ^2/NDF: 943290.2/114



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: -1402.486+/-218.325 χ^2/NDF: 53.7/34

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

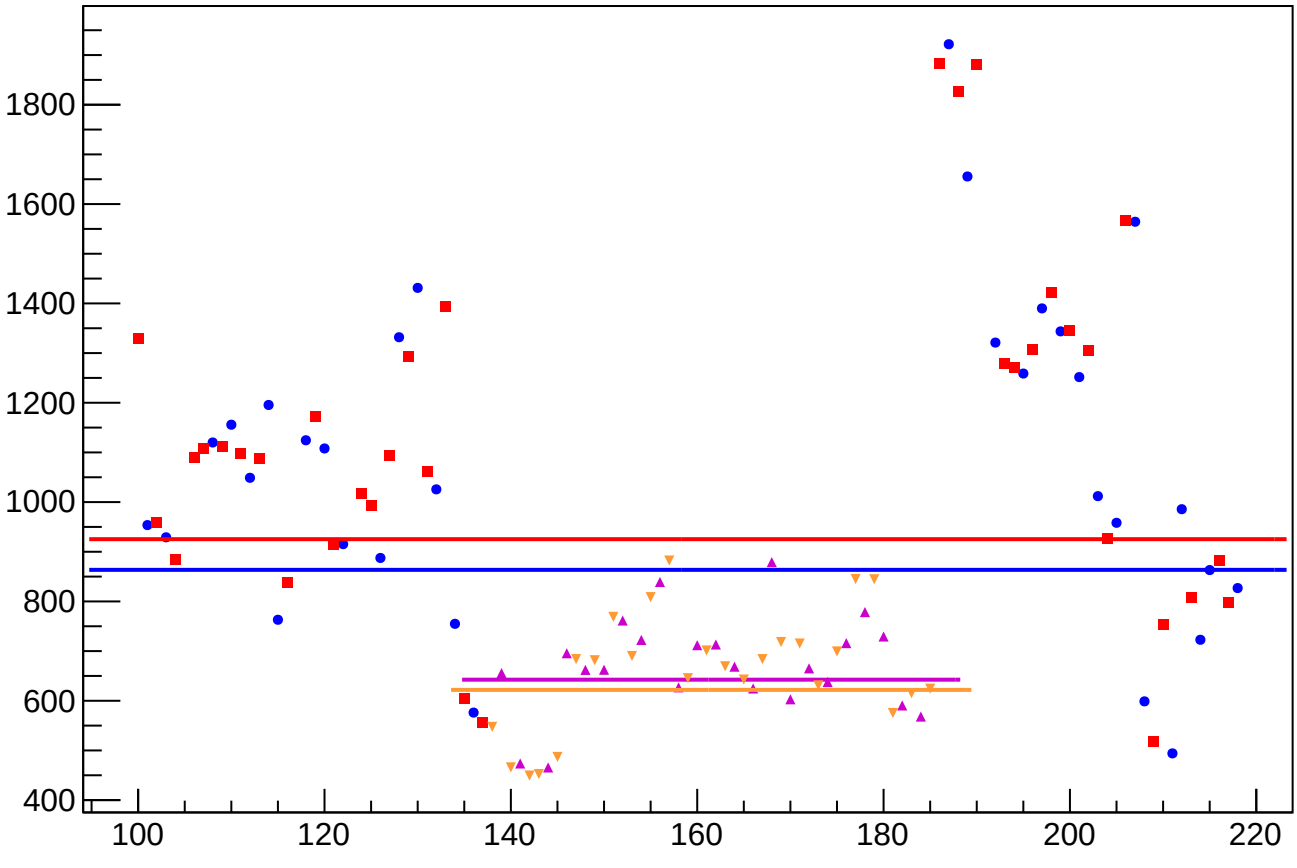
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -56.218+/-149.390 χ^2/NDF: 167.9/66

In: 373.192+/-122.240 χ^2/NDF:91.5/54

Out: -153.200+/-120.534 χ^2/NDF:142.7/59

All: 106.297+/-85.827 χ^2/NDF: 243.5/114



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: 925.338+/-0.154 χ^2/NDF: 4156743.9/34

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

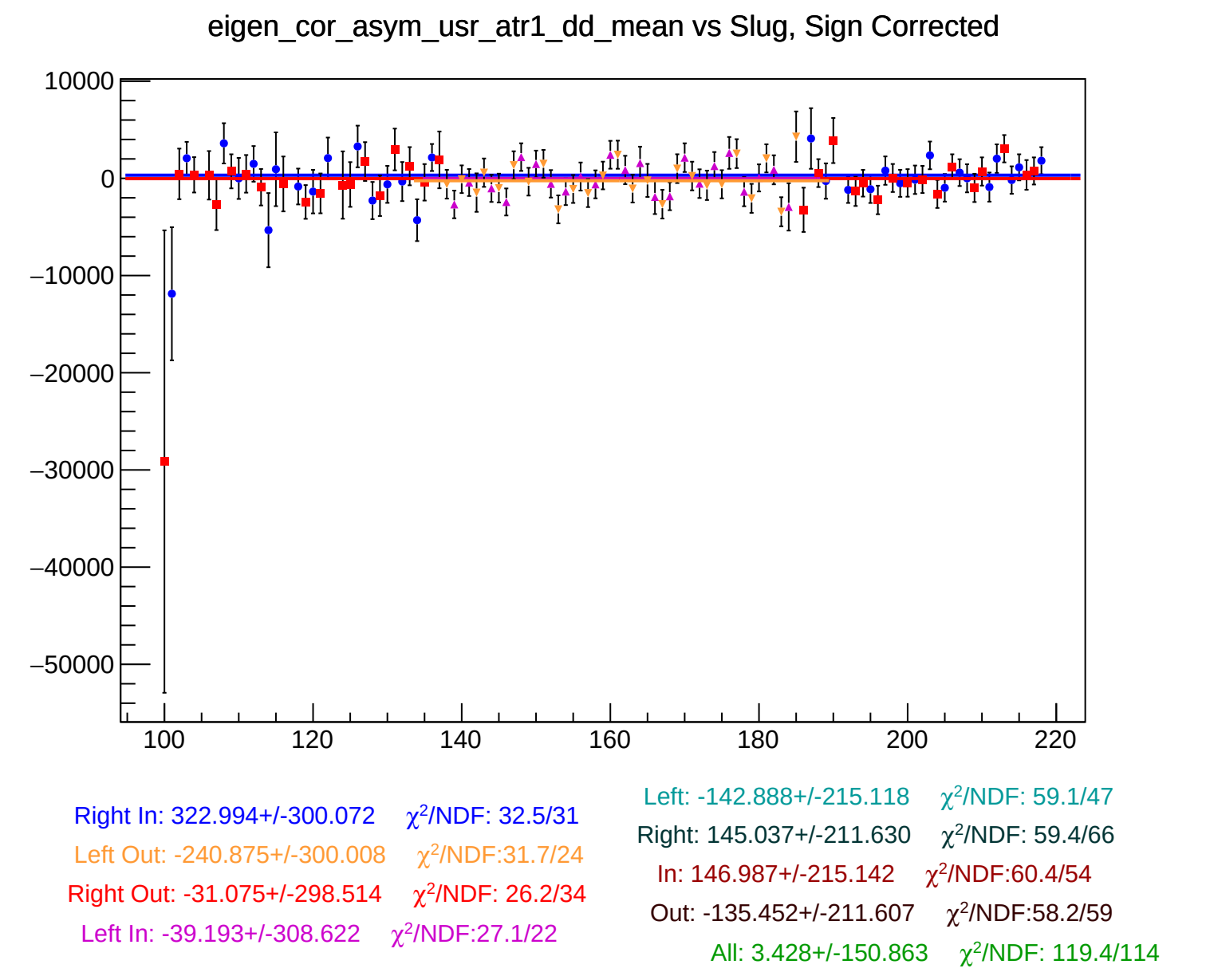
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

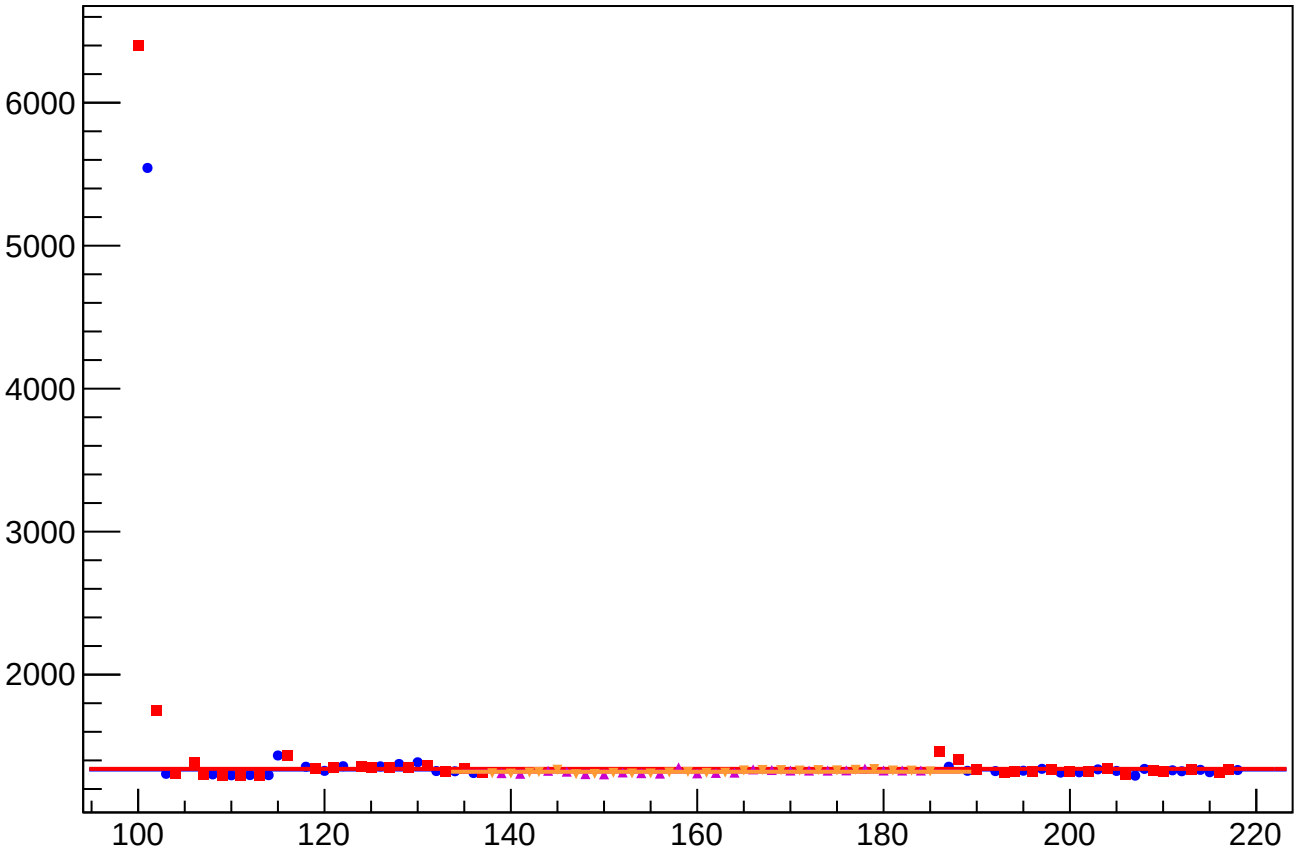
Right: 892.497+/-0.106 χ^2/NDF: 8284953.2/66

In: 721.197+/-0.086 χ^2/NDF:6469946.8/54

Out: 714.422+/-0.085 χ^2/NDF:8225031.7/59

All: 717.762+/-0.061 χ^2/NDF: 14698093.5/11


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: -31.075+/-298.514 χ²/NDF: 26.2/34
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: 145.037+/-211.630 χ²/NDF: 59.4/66
In: 146.987+/-215.142 χ²/NDF:60.4/54
Out: -135.452+/-211.607 χ²/NDF:58.2/59
All: 3.428+/-150.863 χ²/NDF: 119.4/114



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: 1340.937+/-0.211 χ^2/NDF: 163165.4/34

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

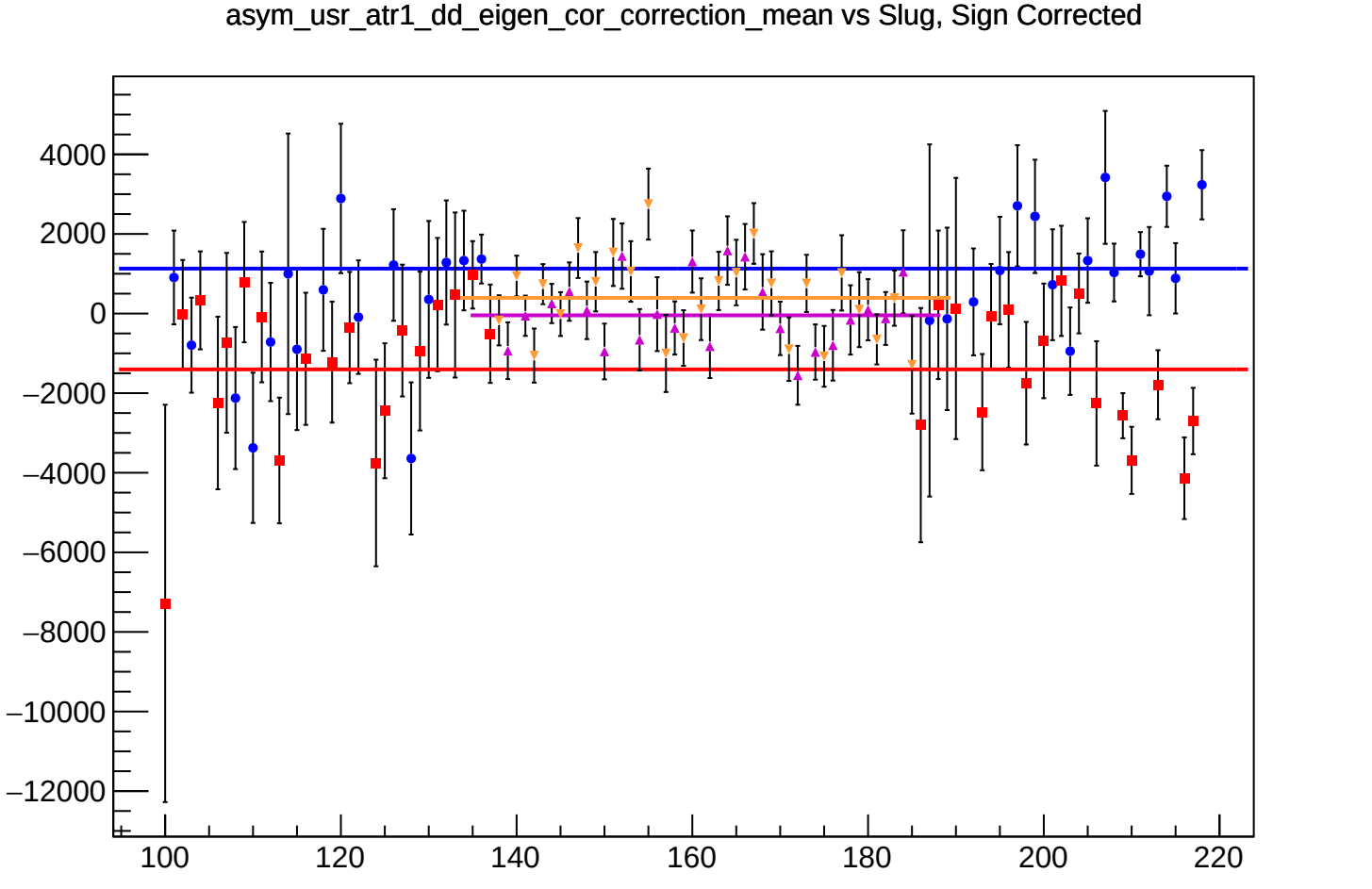
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

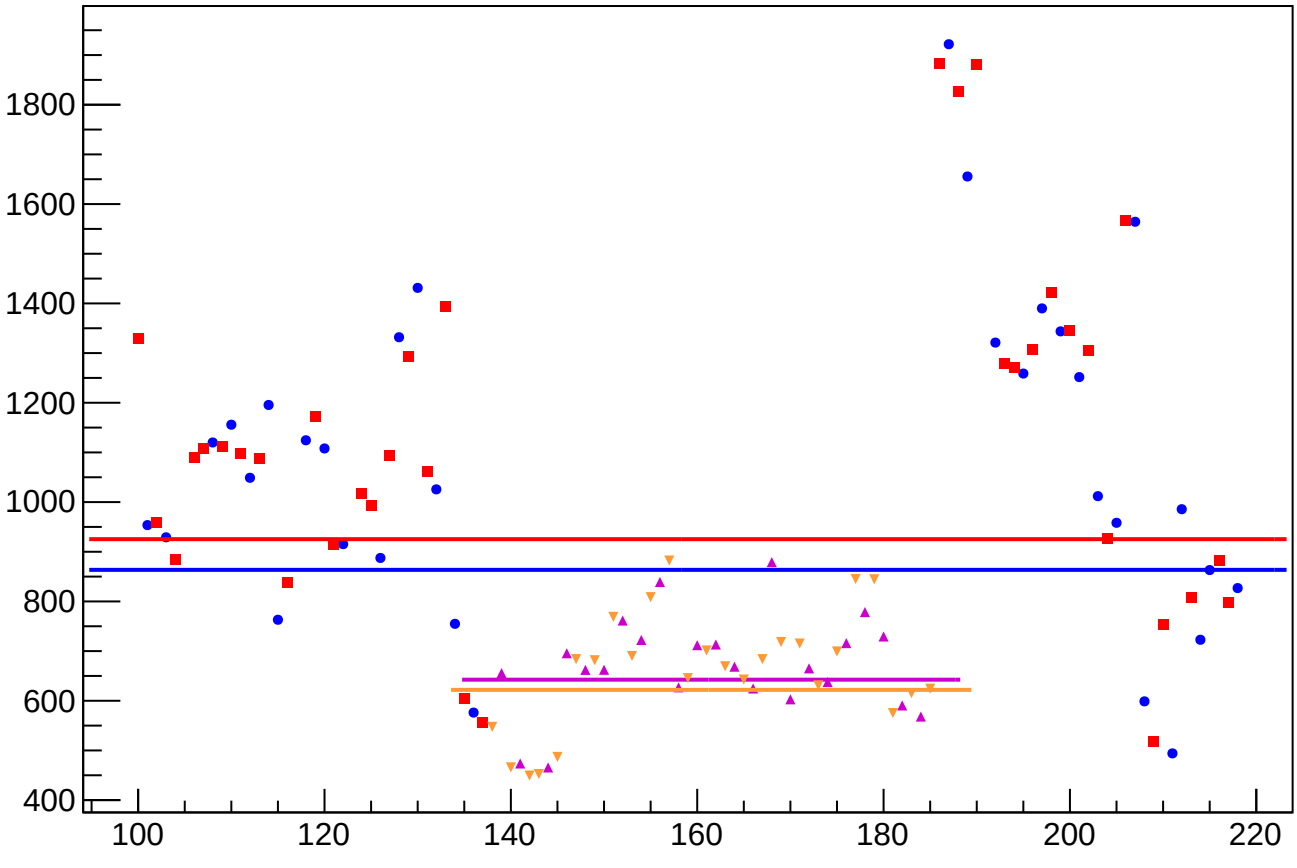
Right: 1338.607+/-0.150 χ^2/NDF: 930503.6/66

In: 1329.221+/-0.152 χ^2/NDF:772906.5/54

Out: 1330.889+/-0.150 χ^2/NDF:170322.6/59

All: 1330.069+/-0.107 χ^2/NDF: 943290.2/114


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: 1129.074+/-204.857 χ²/NDF: 42.7/31
Left Out: 394.522+/-144.562 χ²/NDF:41.8/24
Right Out: -1402.486+/-218.325 χ²/NDF: 53.7/34
Left In: -44.766+/-152.332 χ²/NDF:27.6/22
Left: 186.367+/-104.860 χ²/NDF: 73.8/47
Right: -56.218+/-149.390 χ²/NDF: 167.9/66
In: 373.192+/-122.240 χ²/NDF:91.5/54
Out: -153.200+/-120.534 χ²/NDF:142.7/59
All: 106.297+/-85.827 χ²/NDF: 243.5/114



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: 925.338+/-0.154 χ^2/NDF: 4156743.9/34

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

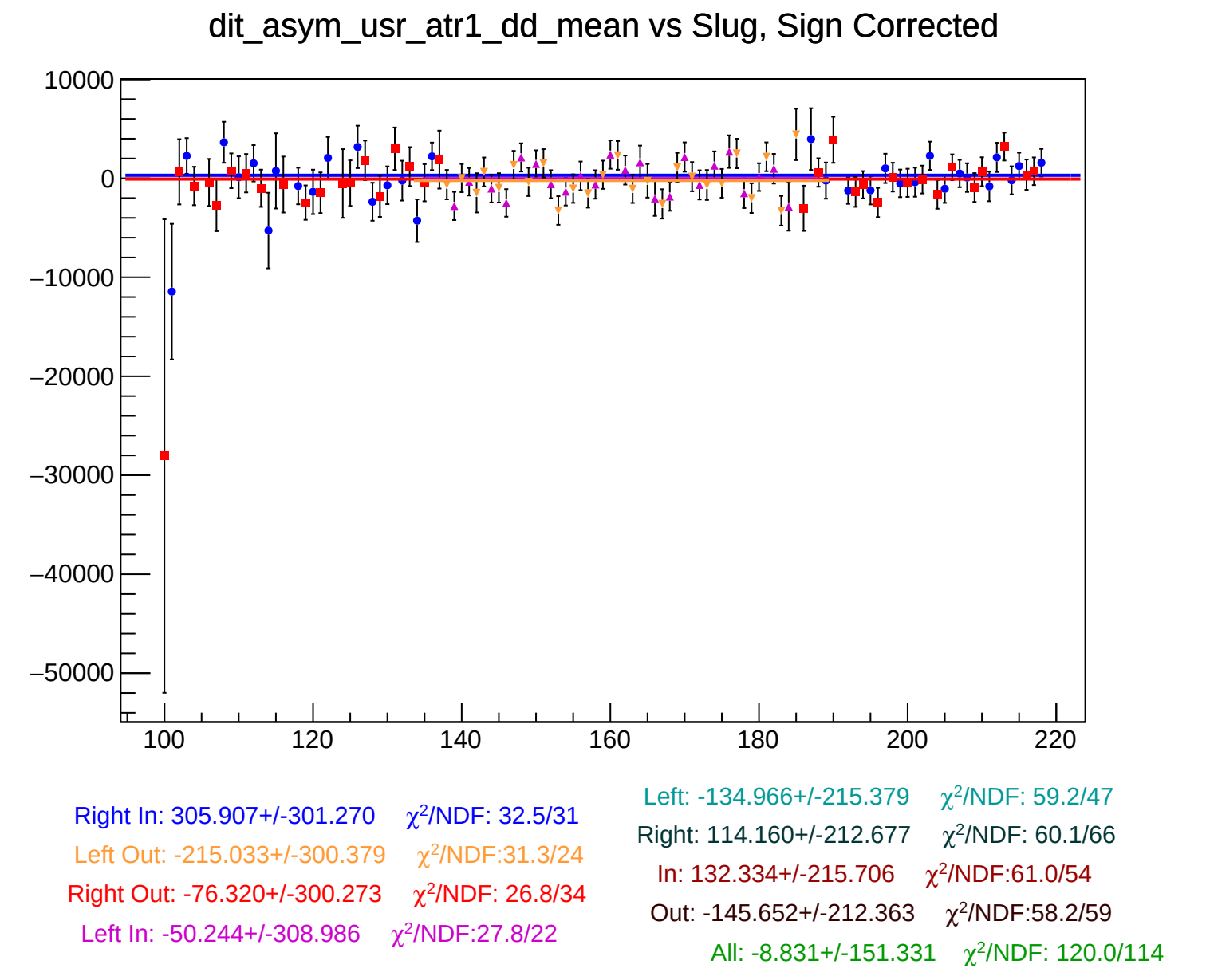
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 892.497+/-0.106 χ^2/NDF: 8284953.2/66

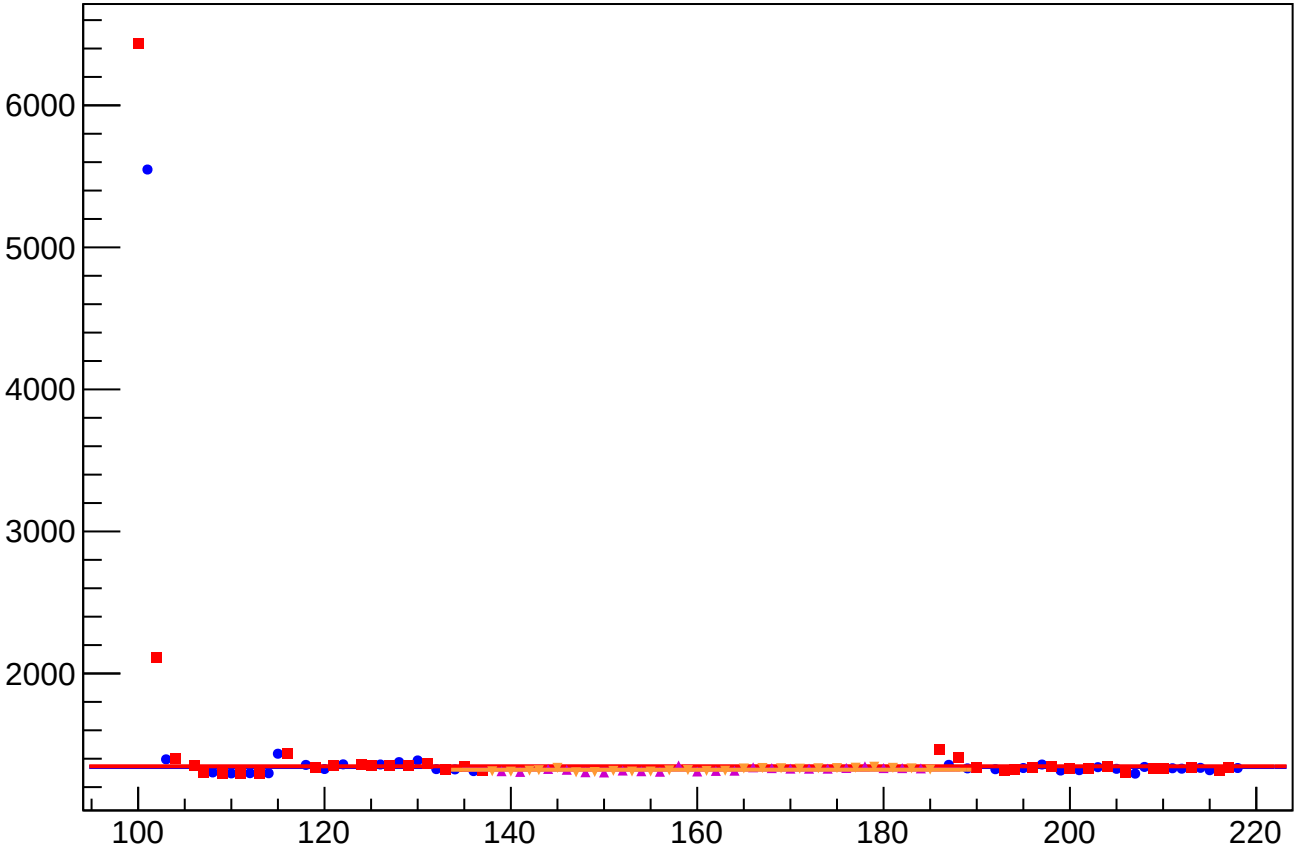
In: 721.197+/-0.086 χ^2/NDF:6469946.8/54

Out: 714.422+/-0.085 χ^2/NDF:8225031.7/59

All: 717.762+/-0.061 χ^2/NDF: 14698093.5/11


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: 305.907+/-301.270 χ²/NDF: 32.5/31
Left Out: -215.033+/-300.379 χ²/NDF:31.3/24
Right Out: -76.320+/-300.273 χ²/NDF: 26.8/34
Left In: -50.244+/-308.986 χ²/NDF:27.8/22
Left: -134.966+/-215.379 χ²/NDF: 59.2/47
Right: 114.160+/-212.677 χ²/NDF: 60.1/66
In: 132.334+/-215.706 χ²/NDF:61.0/54
Out: -145.652+/-212.363 χ²/NDF:58.2/59
All: -8.831+/-151.331 χ²/NDF: 120.0/114

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: 1346.766+/-0.212 χ^2/NDF: 221467.9/34

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

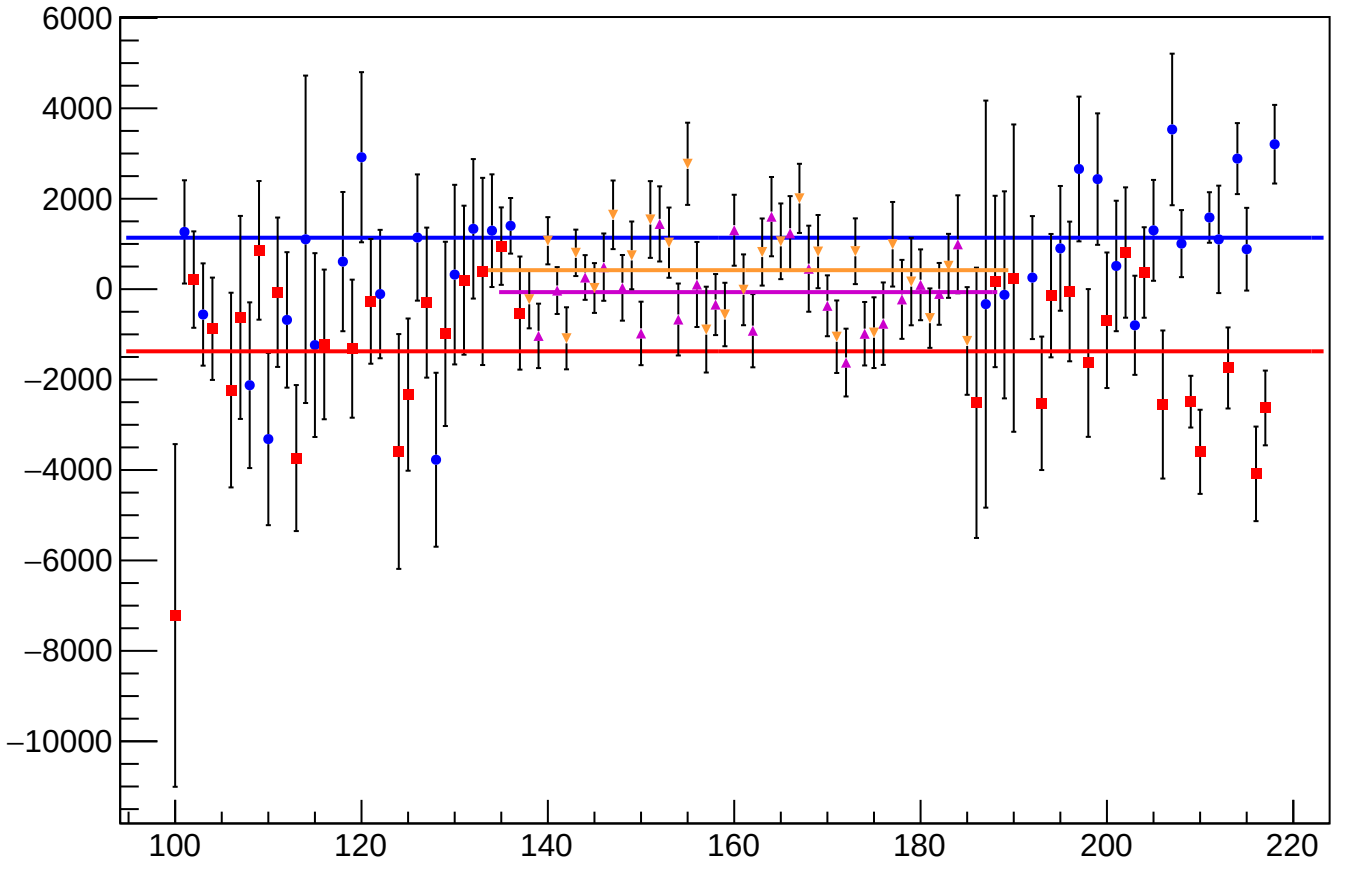
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1344.164+/-0.150 χ^2/NDF: 989926.2/66

In: 1332.671+/-0.153 χ^2/NDF:775573.6/54

Out: 1334.572+/-0.150 χ^2/NDF:230998.9/59

All: 1333.636+/-0.107 χ^2/NDF: 1006651.2/11



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: -1374.727+/-219.558 χ^2/NDF: 49.5/34

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

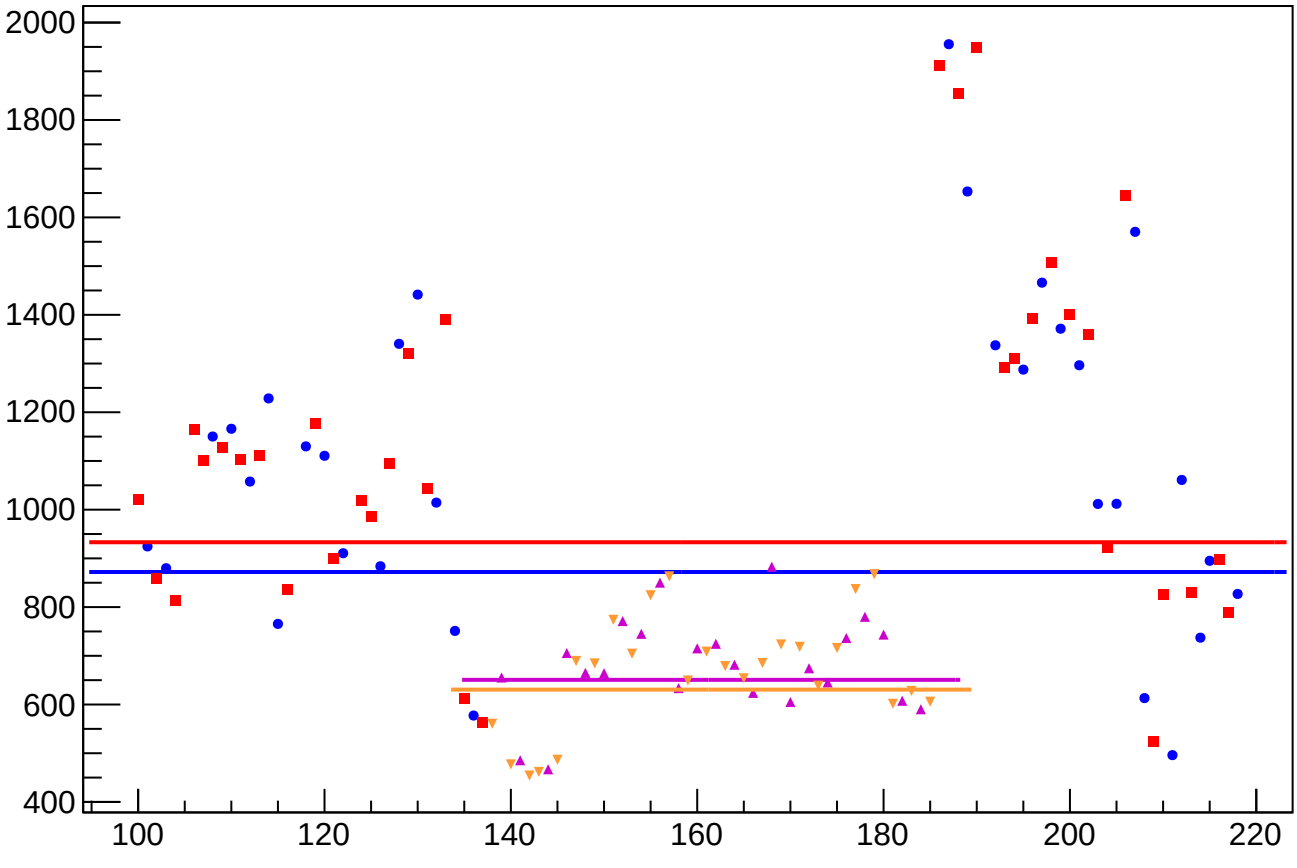
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: -44.648+/-150.617 χ^2/NDF: 160.6/66

In: 364.029+/-123.674 χ^2/NDF:90.5/54

Out: -132.628+/-121.826 χ^2/NDF:137.3/59

All: 111.961+/-86.790 χ^2/NDF: 236.0/114



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: 933.143+/-0.155 χ^2/NDF: 4314288.5/34

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

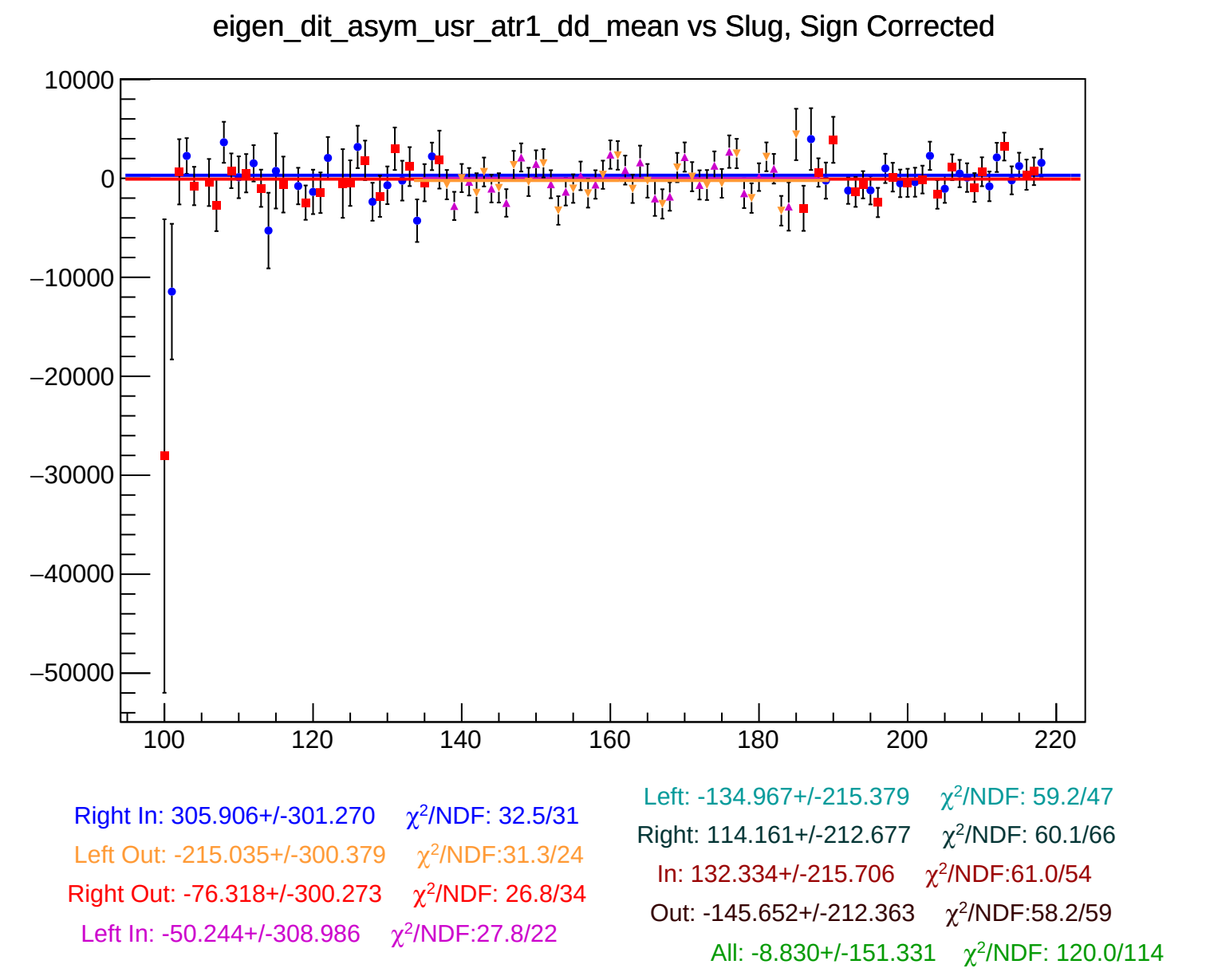
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

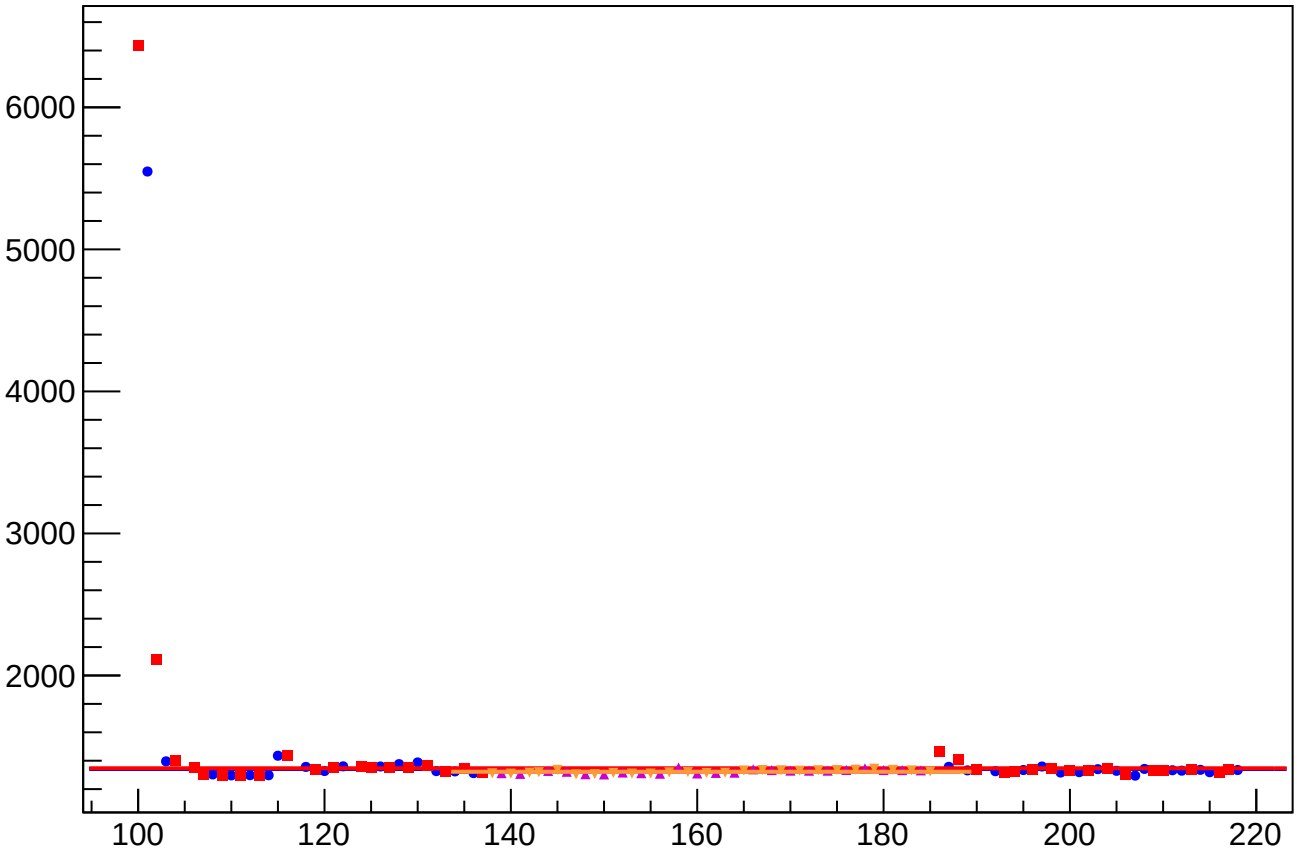
Right: 900.799+/-0.107 χ^2/NDF: 8542172.6/66

In: 729.666+/-0.087 χ^2/NDF:6539305.8/54

Out: 723.741+/-0.086 χ^2/NDF:8271412.3/59

All: 726.659+/-0.061 χ^2/NDF: 14813048.1/11


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: -76.318+/-300.273 χ²/NDF: 26.8/34
Left In: -50.244+/-308.986 χ²/NDF:27.8/22
Left: -134.967+/-215.379 χ²/NDF: 59.2/47
Right: 114.161+/-212.677 χ²/NDF: 60.1/66
In: 132.334+/-215.706 χ²/NDF:61.0/54
Out: -145.652+/-212.363 χ²/NDF:58.2/59
All: -8.830+/-151.331 χ²/NDF: 120.0/114



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: 1346.766+/-0.212 χ^2/NDF: 221467.8/34

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

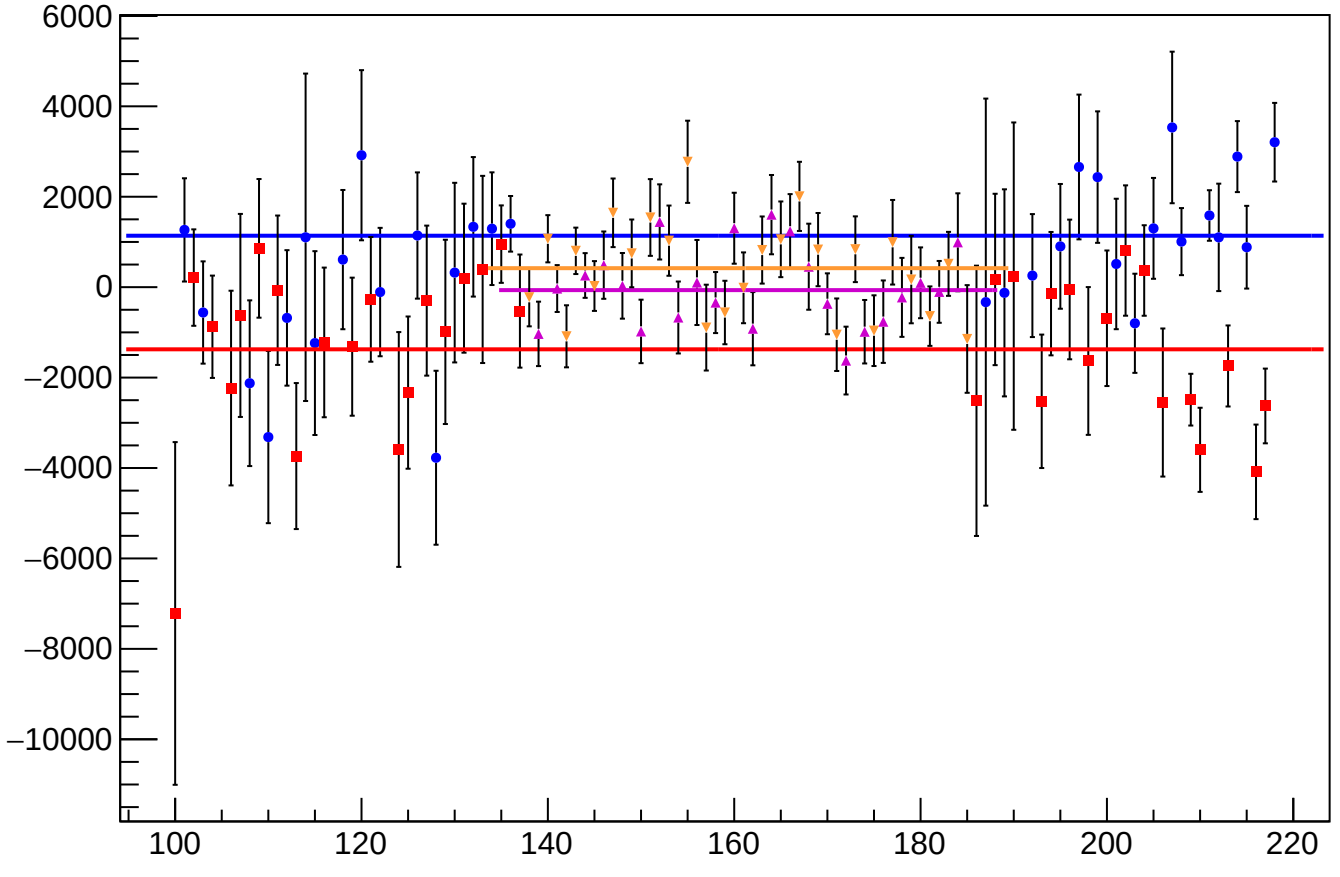
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1344.164+/-0.150 χ^2/NDF: 989926.0/66

In: 1332.671+/-0.153 χ^2/NDF:775573.5/54

Out: 1334.572+/-0.150 χ^2/NDF:230998.8/59

All: 1333.636+/-0.107 χ^2/NDF: 1006651.1/11



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: -1374.726+/-219.557 χ^2/NDF: 49.5/34

Left In: -65.405+/-154.225 χ^2/NDF:27.0/22

Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

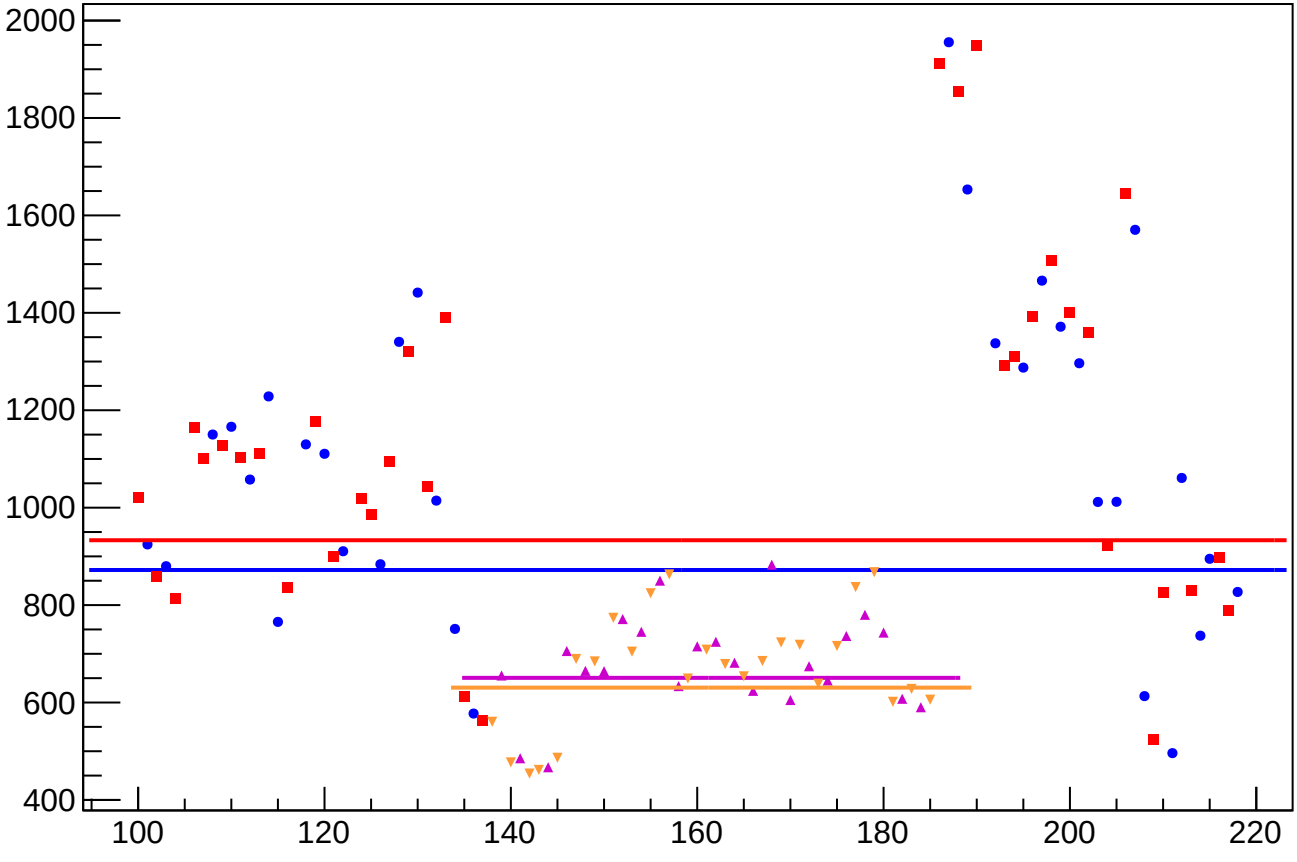
Right: -44.651+/-150.617 χ^2/NDF: 160.6/66

In: 364.030+/-123.674 χ^2/NDF:90.5/54

Out: -132.630+/-121.826 χ^2/NDF:137.3/59

All: 111.960+/-86.790 χ^2/NDF: 236.0/114

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: 933.141+/-0.155 χ^2/NDF: 4314315.1/34

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

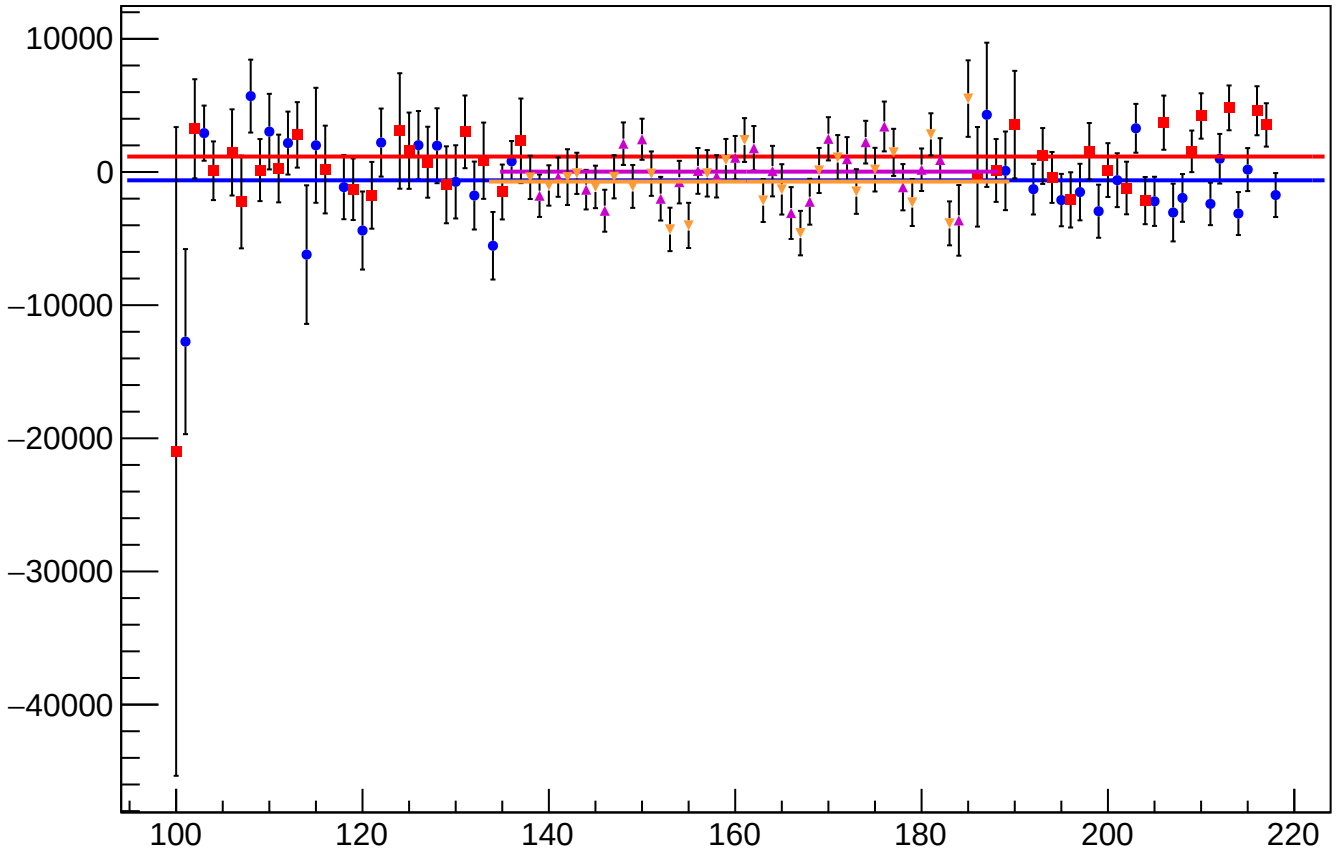
Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

Right: 900.797+/-0.107 χ^2/NDF: 8542189.6/66

In: 729.667+/-0.087 χ^2/NDF:6539286.1/54

Out: 723.741+/-0.086 χ^2/NDF:8271416.4/59

All: 726.659+/-0.061 χ^2/NDF: 14813033.1/11



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: 1160.987+/-391.169 χ^2/NDF: 32.9/34

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

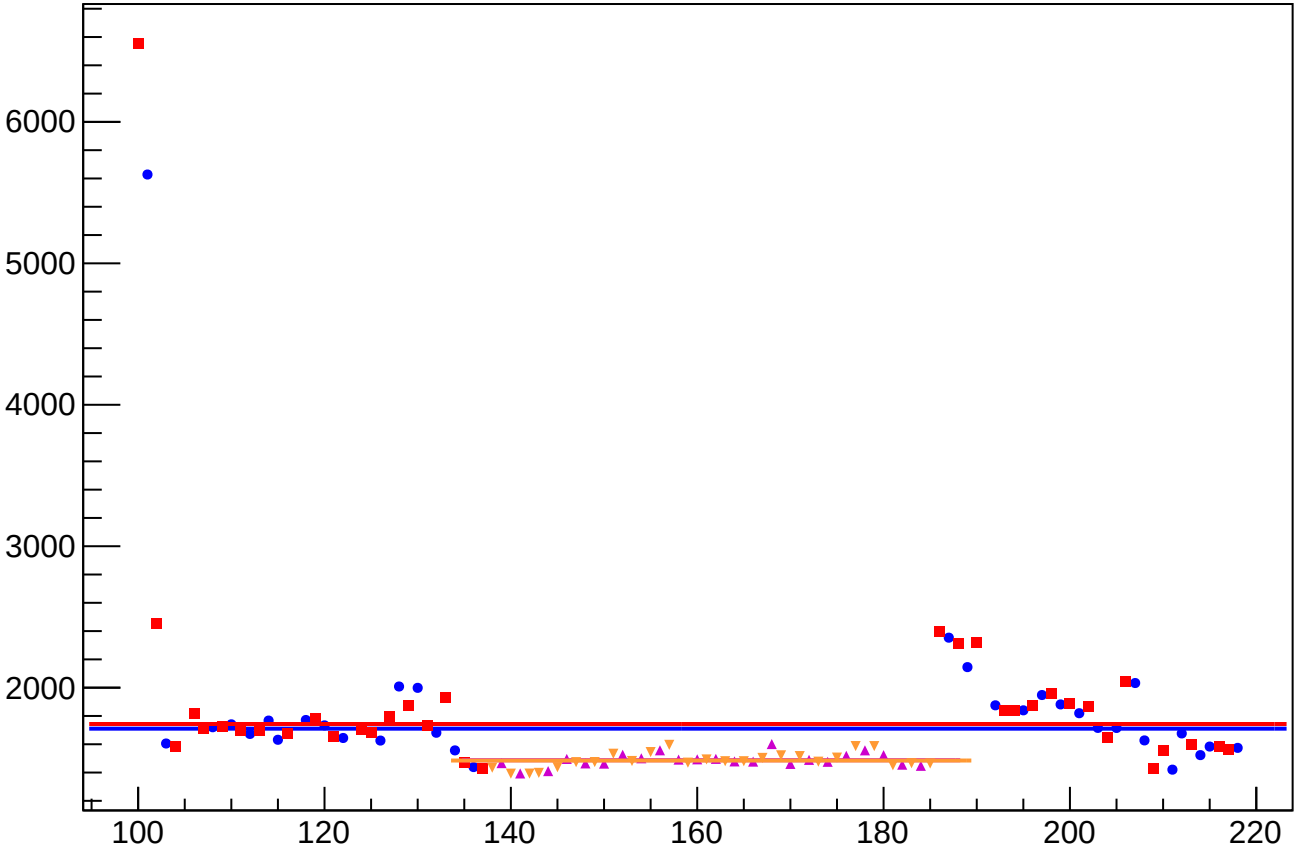
Right: 257.244+/-274.848 χ^2/NDF: 84.3/66

In: -263.832+/-258.306 χ^2/NDF:70.3/54

Out: 83.891+/-255.567 χ^2/NDF:83.9/59

All: -88.117+/-181.674 χ^2/NDF: 155.2/114

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: 1743.191+/-0.277 χ^2/NDF: 720621.6/34

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

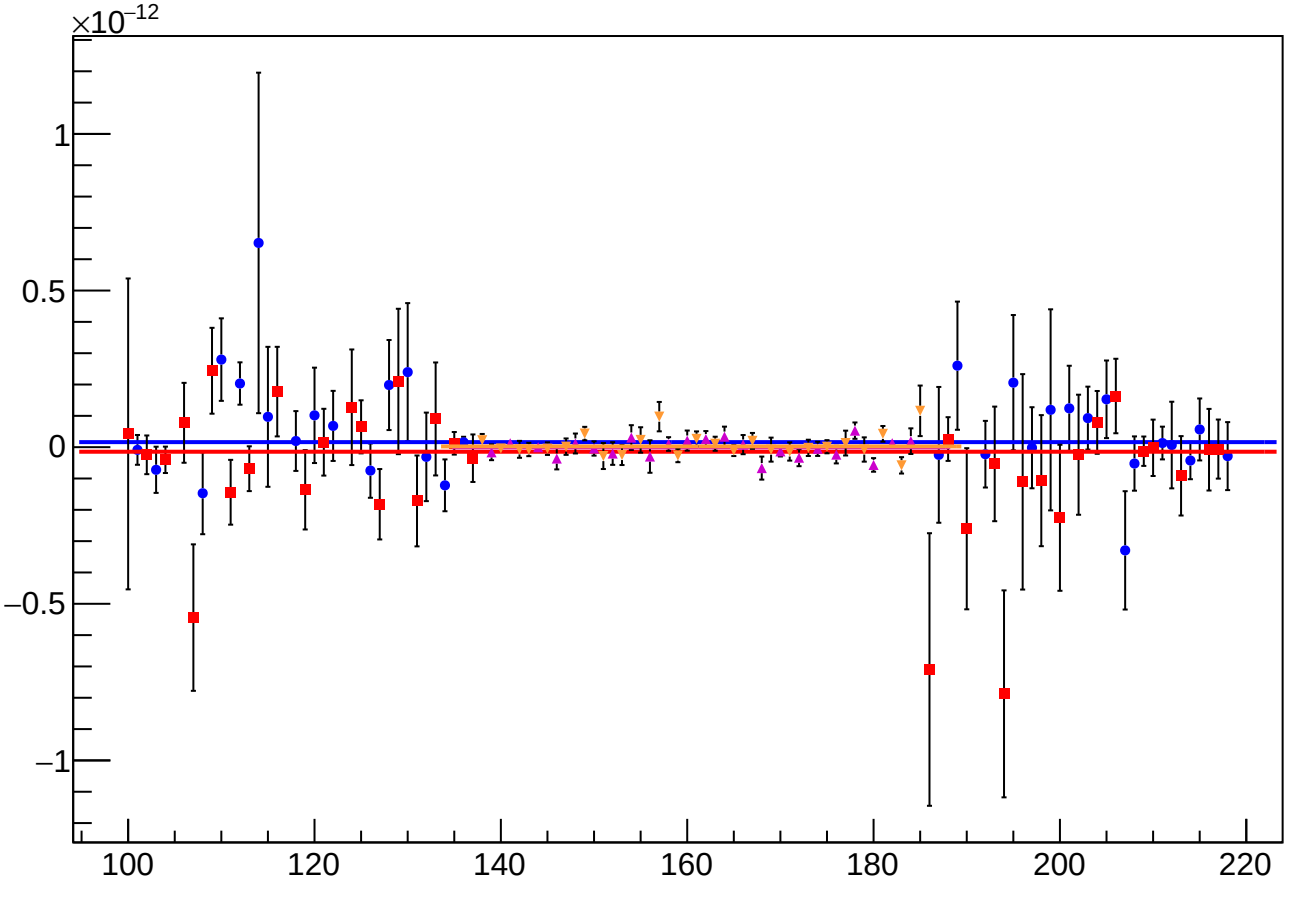
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1726.493+/-0.194 χ^2/NDF: 1799309.1/66

In: 1586.881+/-0.183 χ^2/NDF:1475135.8/54

Out: 1595.188+/-0.181 χ^2/NDF:1271081.0/59

All: 1591.079+/-0.128 χ^2/NDF: 2747262.0/11



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: 35.3/34

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

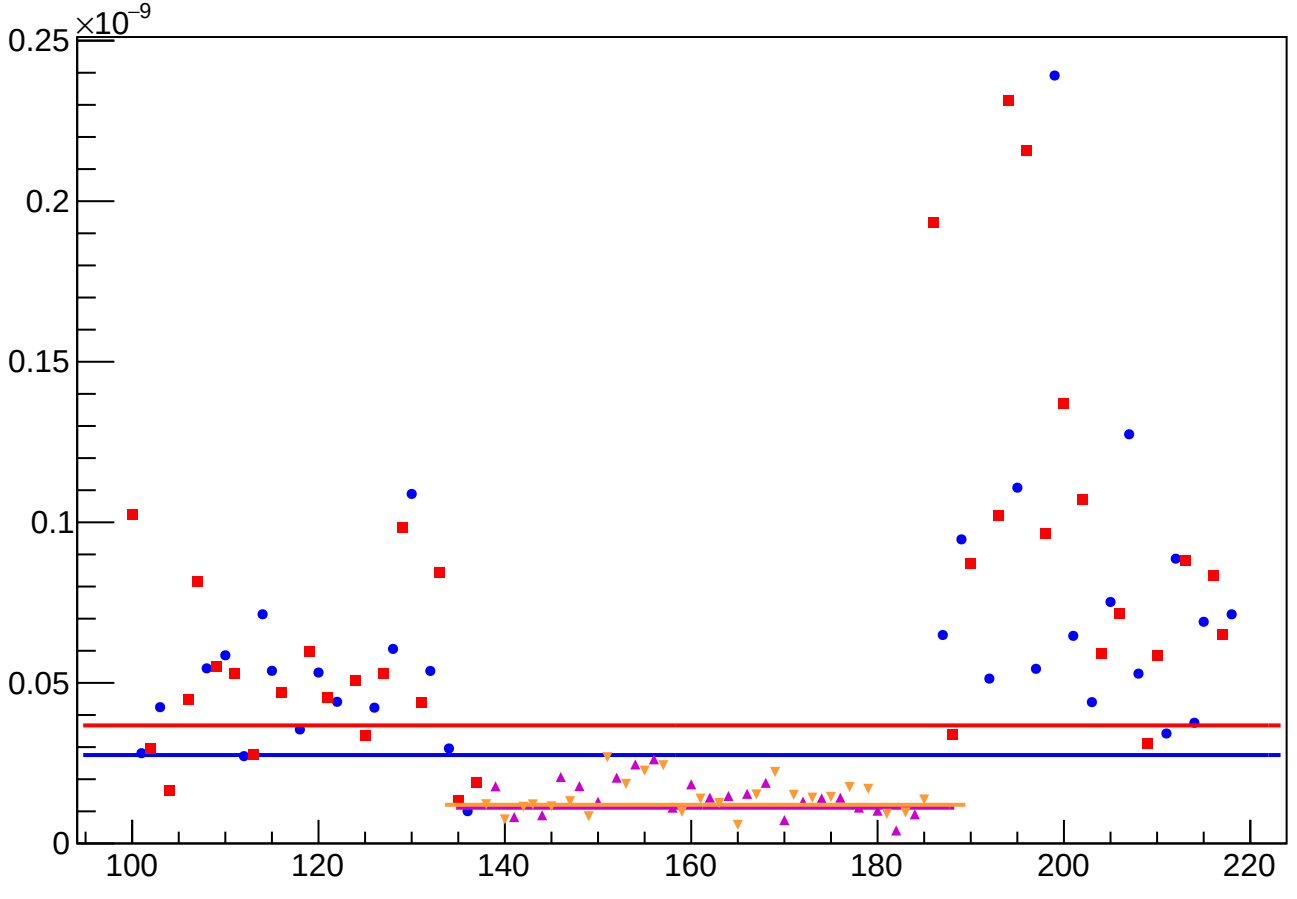
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 71.4/66

In: 0.000+/-0.000 χ^2/NDF:60.2/54

Out: 0.000+/-0.000 χ^2/NDF:61.7/59

All: 0.000+/-0.000 χ^2/NDF: 122.0/114



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: 5938858.8/34

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

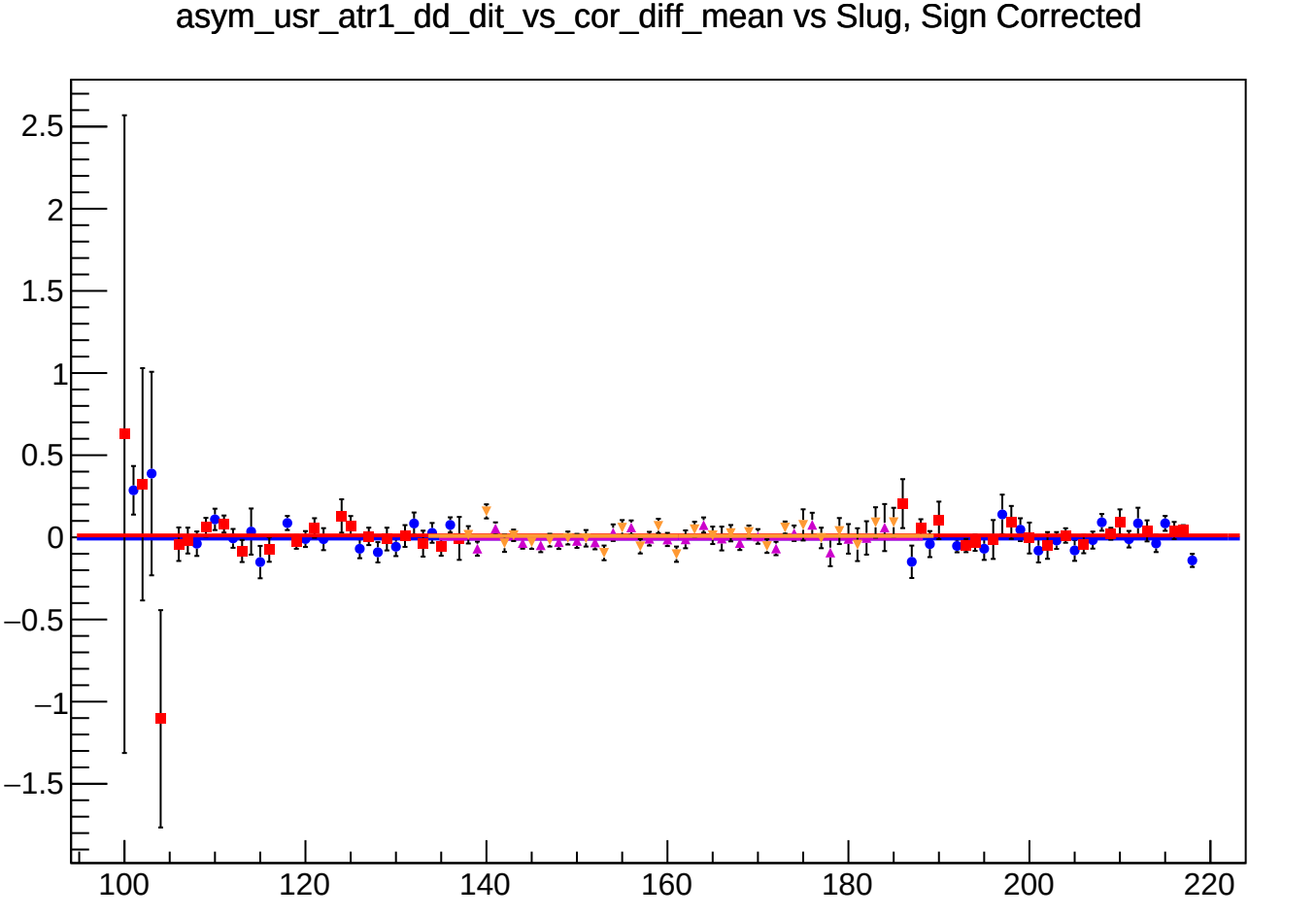
Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

Right: 0.000+/-0.000 χ^2/NDF: 13289711.5/66

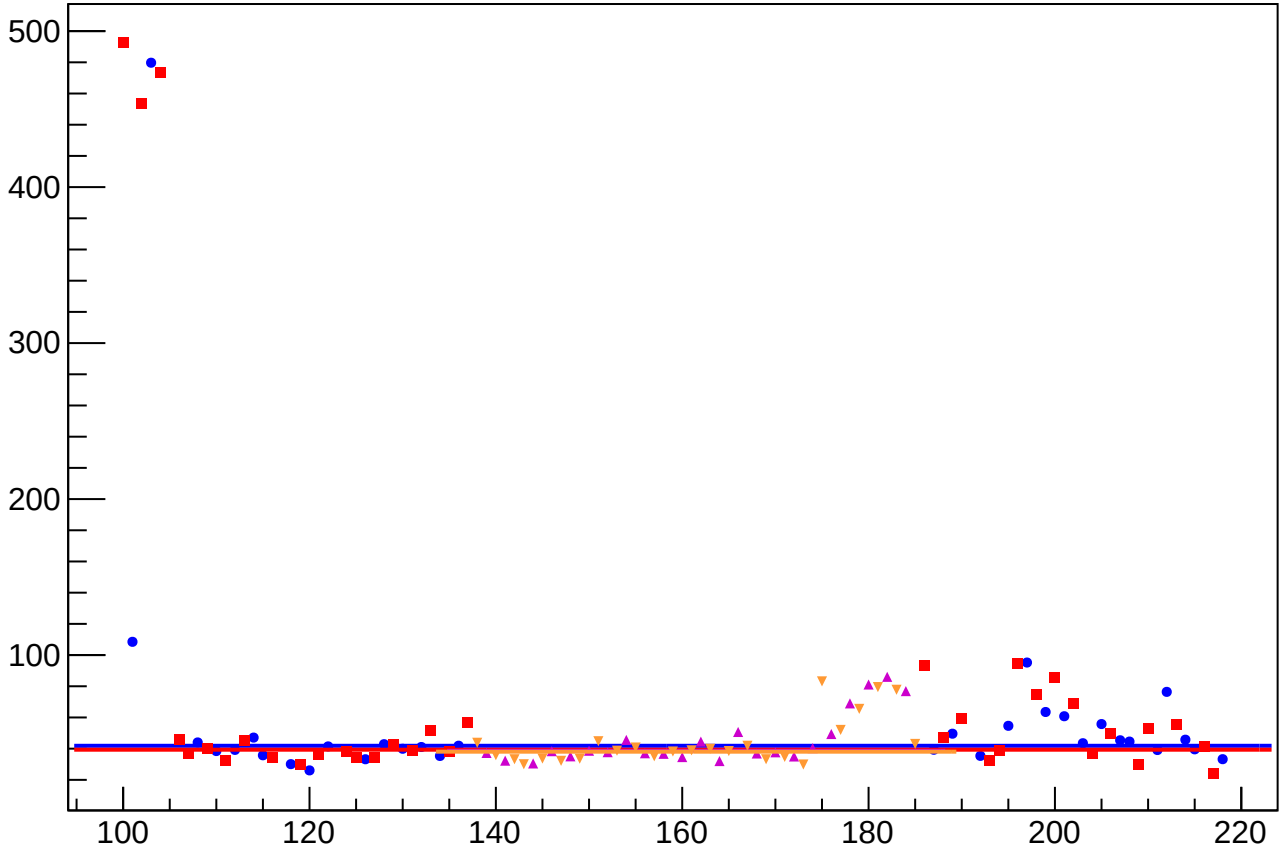
In: 0.000+/-0.000 χ^2/NDF:12105803.2/54

Out: 0.000+/-0.000 χ^2/NDF:11970569.2/59

All: 0.000+/-0.000 χ^2/NDF: 24127209.8/114


asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
220
Right In: -0.007+/-0.011 χ²/NDF: 53.1/31
Left Out: 0.009+/-0.010 χ²/NDF:38.6/24
Right Out: 0.012+/-0.010 χ²/NDF: 26.3/34
Left In: -0.008+/-0.010 χ²/NDF:18.9/22
Left: 0.001+/-0.007 χ²/NDF: 59.0/47
Right: 0.002+/-0.007 χ²/NDF: 81.0/66
In: -0.008+/-0.007 χ²/NDF:71.9/54
Out: 0.010+/-0.007 χ²/NDF:64.9/59
All: 0.002+/-0.005 χ²/NDF: 140.0/114

asym_usr_atr1_dd_dit_vs_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: 39.329+/-0.007 χ^2/NDF: 4715732.6/34

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

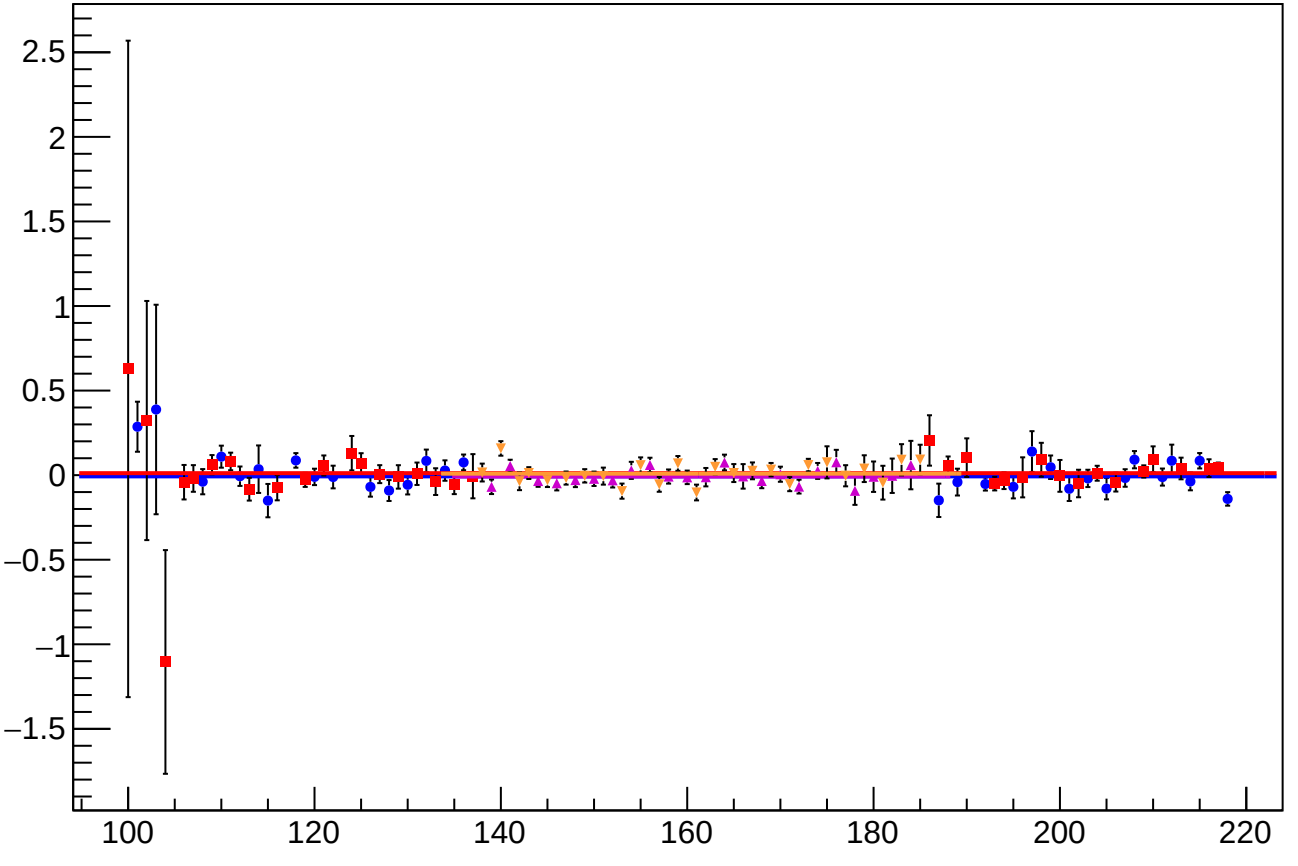
Right: 40.563+/-0.005 χ^2/NDF: 7995448.6/66

In: 40.130+/-0.005 χ^2/NDF:5048101.7/54

Out: 38.645+/-0.005 χ^2/NDF:6698767.4/59

All: 39.367+/-0.004 χ^2/NDF: 11790083.6/114

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: 0.012+/-0.010 χ^2/NDF: 26.3/34

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

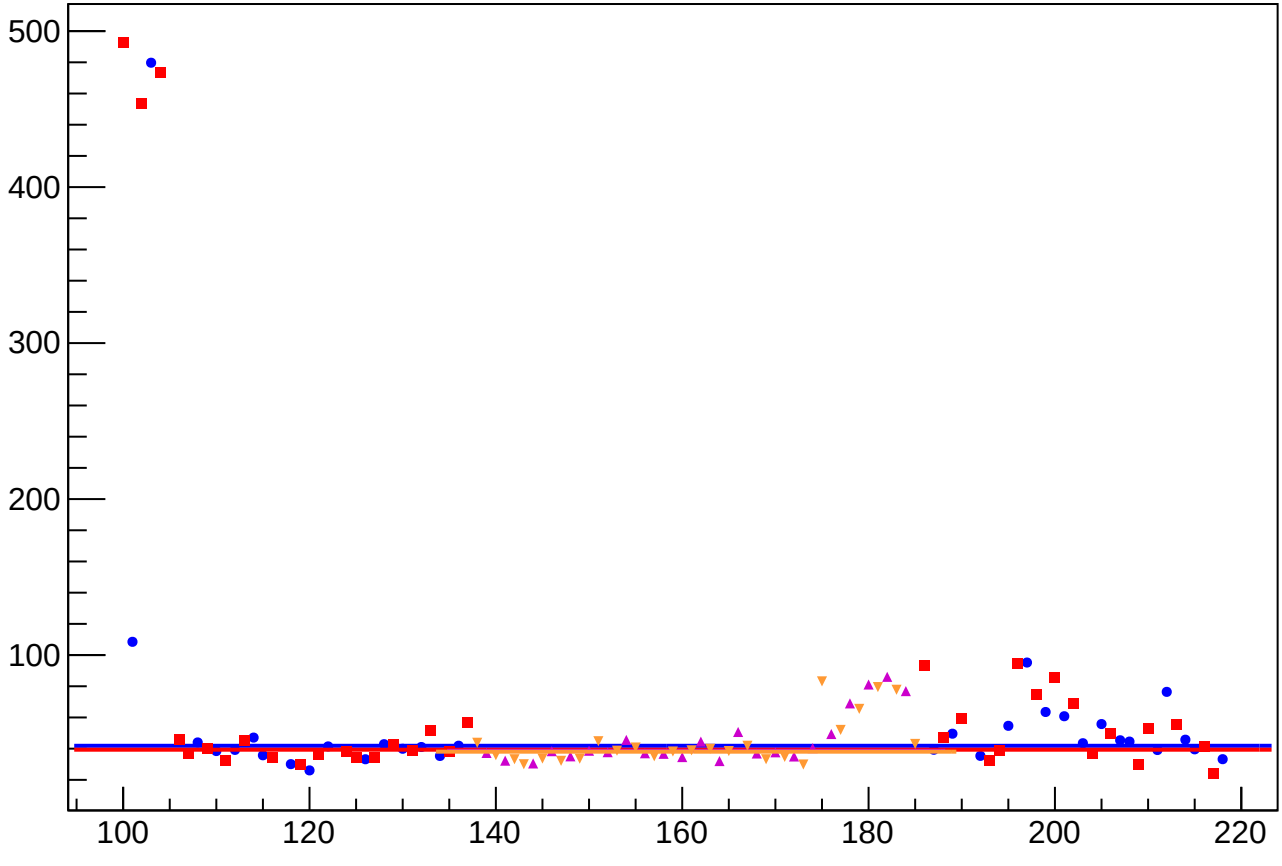
Right: 0.002+/-0.007 χ^2/NDF: 81.0/66

In: -0.008+/-0.007 χ^2/NDF:71.9/54

Out: 0.010+/-0.007 χ^2/NDF:64.9/59

All: 0.002+/-0.005 χ^2/NDF: 140.0/114

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: 39.329+/-0.007 χ^2/NDF: 4715732.6/34

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

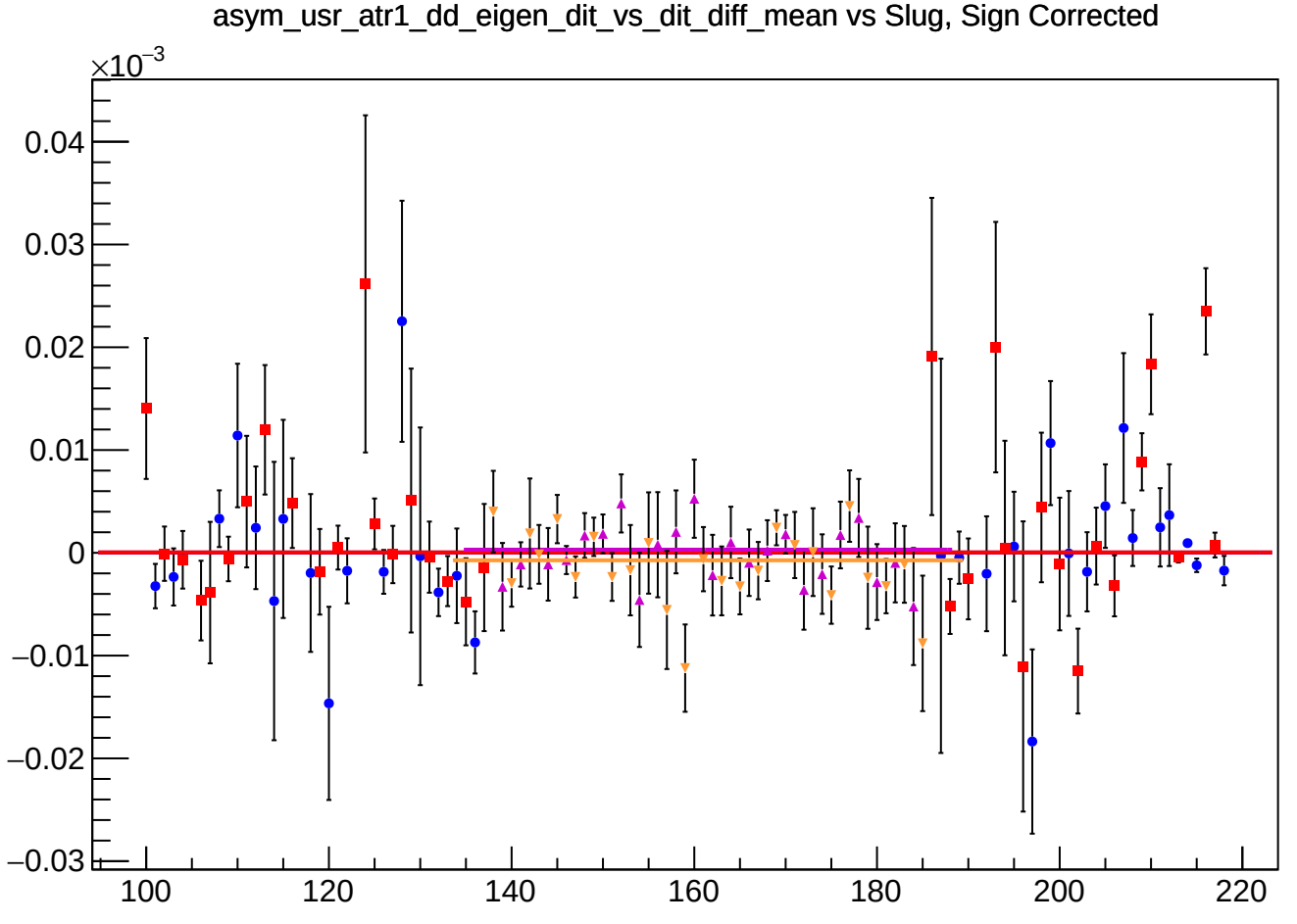
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 40.563+/-0.005 χ^2/NDF: 7995448.6/66

In: 40.130+/-0.005 χ^2/NDF:5048101.7/54

Out: 38.645+/-0.005 χ^2/NDF:6698767.4/59

All: 39.367+/-0.004 χ^2/NDF: 11790083.6/114



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: 93.9/34

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

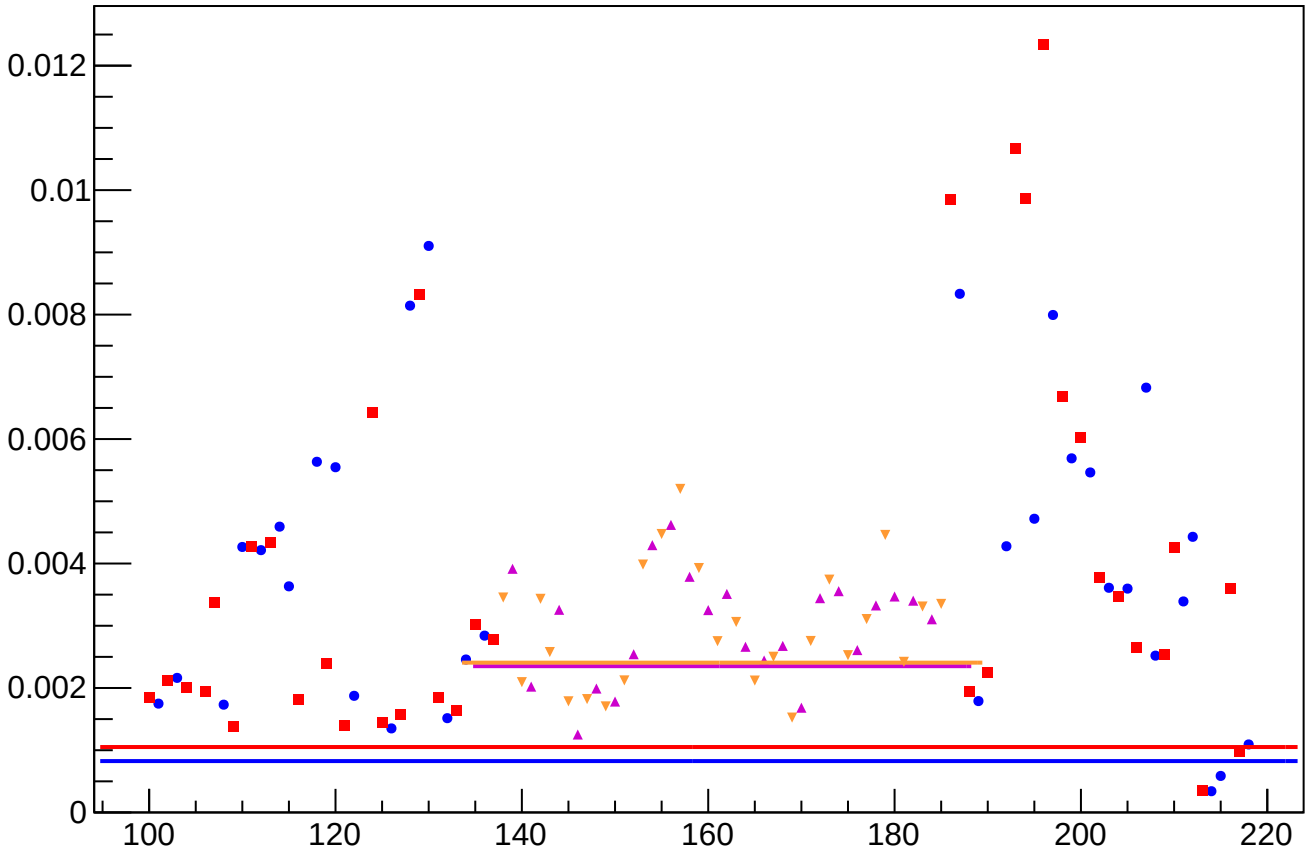
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: 0.000+/-0.000 χ^2/NDF: 143.2/66

In: 0.000+/-0.000 χ^2/NDF:63.3/54

Out: -0.000+/-0.000 χ^2/NDF:121.6/59

All: -0.000+/-0.000 χ^2/NDF: 185.4/114



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: 20138742.7/34

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

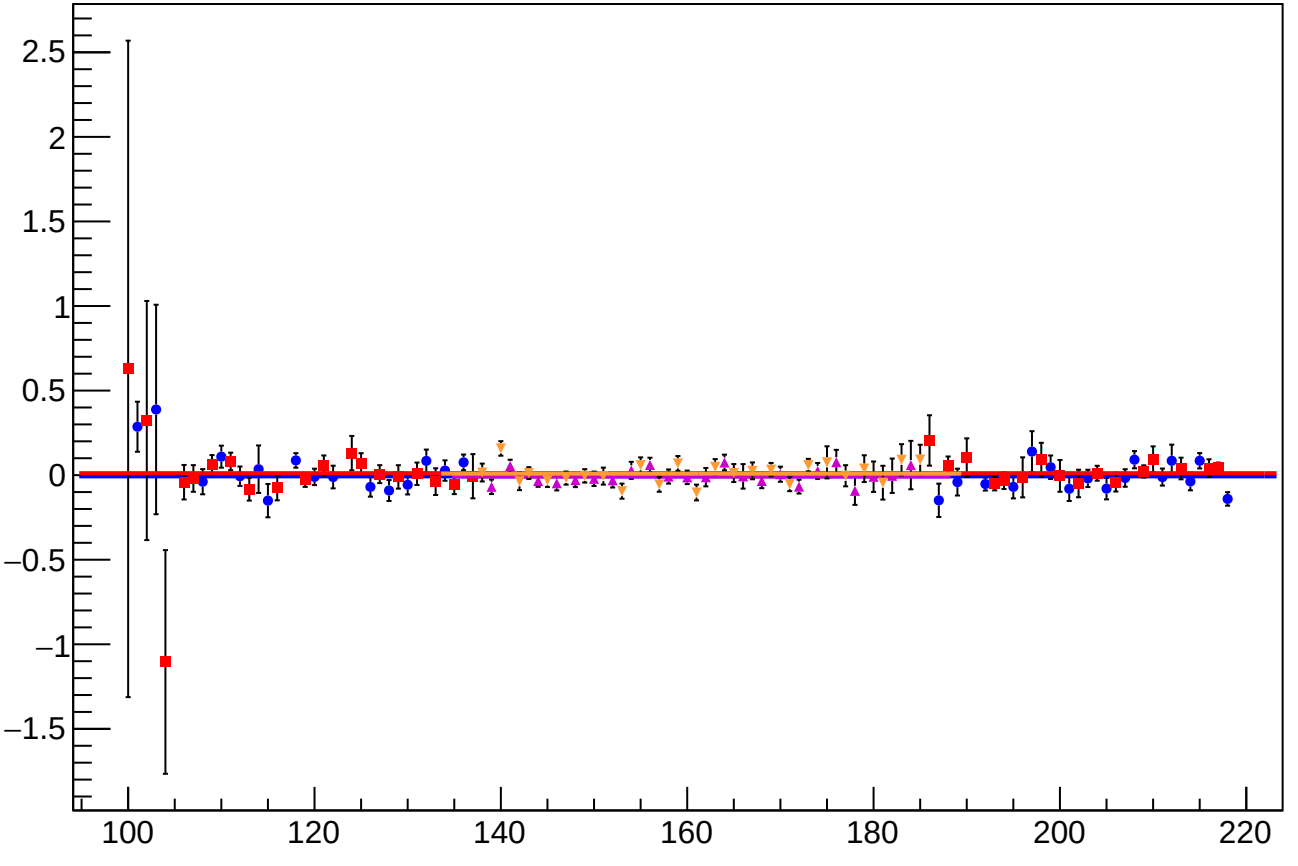
Right: 0.001+/-0.000 χ^2/NDF: 43117651.4/66

In: 0.001+/-0.000 χ^2/NDF:37410715.0/54

Out: 0.001+/-0.000 χ^2/NDF:31509577.0/59

All: 0.001+/-0.000 χ^2/NDF: 69969139.7/114

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: 0.012+/-0.010 χ^2/NDF: 26.3/34

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

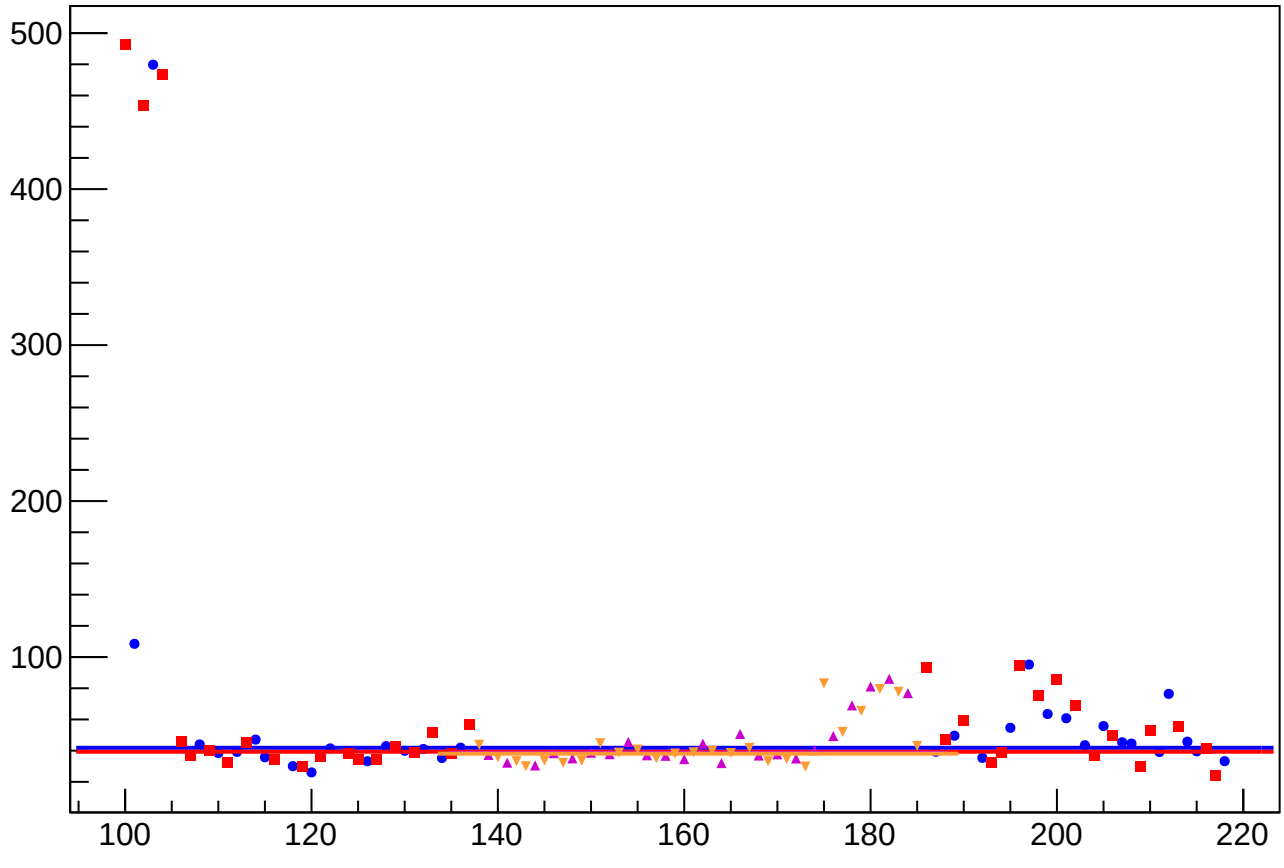
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.002+/-0.007 χ^2/NDF: 81.0/66

In: -0.008+/-0.007 χ^2/NDF:71.9/54

Out: 0.010+/-0.007 χ^2/NDF:64.9/59

All: 0.002+/-0.005 χ^2/NDF: 140.0/114



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: 39.326+/-0.007 χ^2/NDF: 4716253.1/34

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

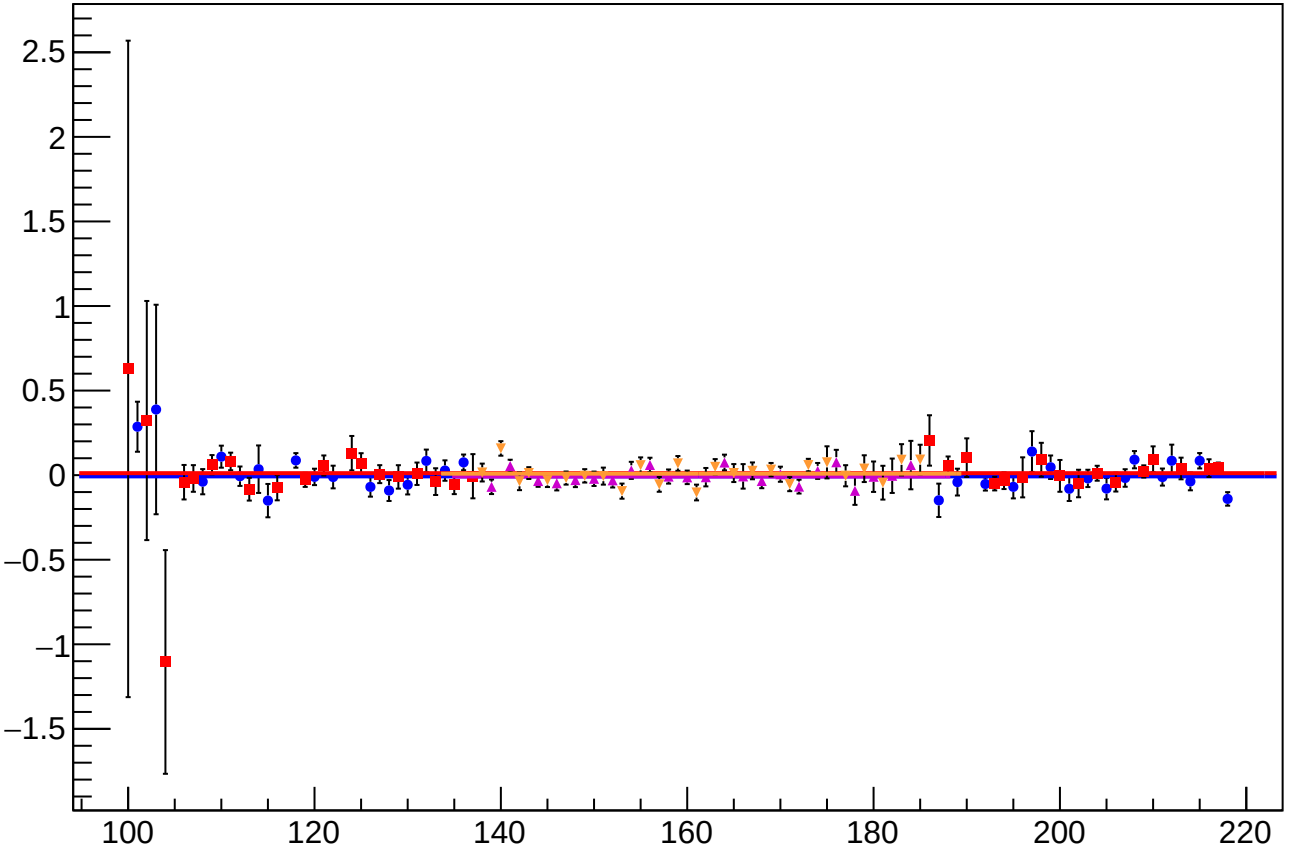
Right: 40.561+/-0.005 χ^2/NDF: 7996296.7/66

In: 40.130+/-0.005 χ^2/NDF:5048353.7/54

Out: 38.644+/-0.005 χ^2/NDF:6699221.6/59

All: 39.366+/-0.004 χ^2/NDF: 11790840.9/114

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: 0.012+/-0.010 χ^2/NDF: 26.3/34

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

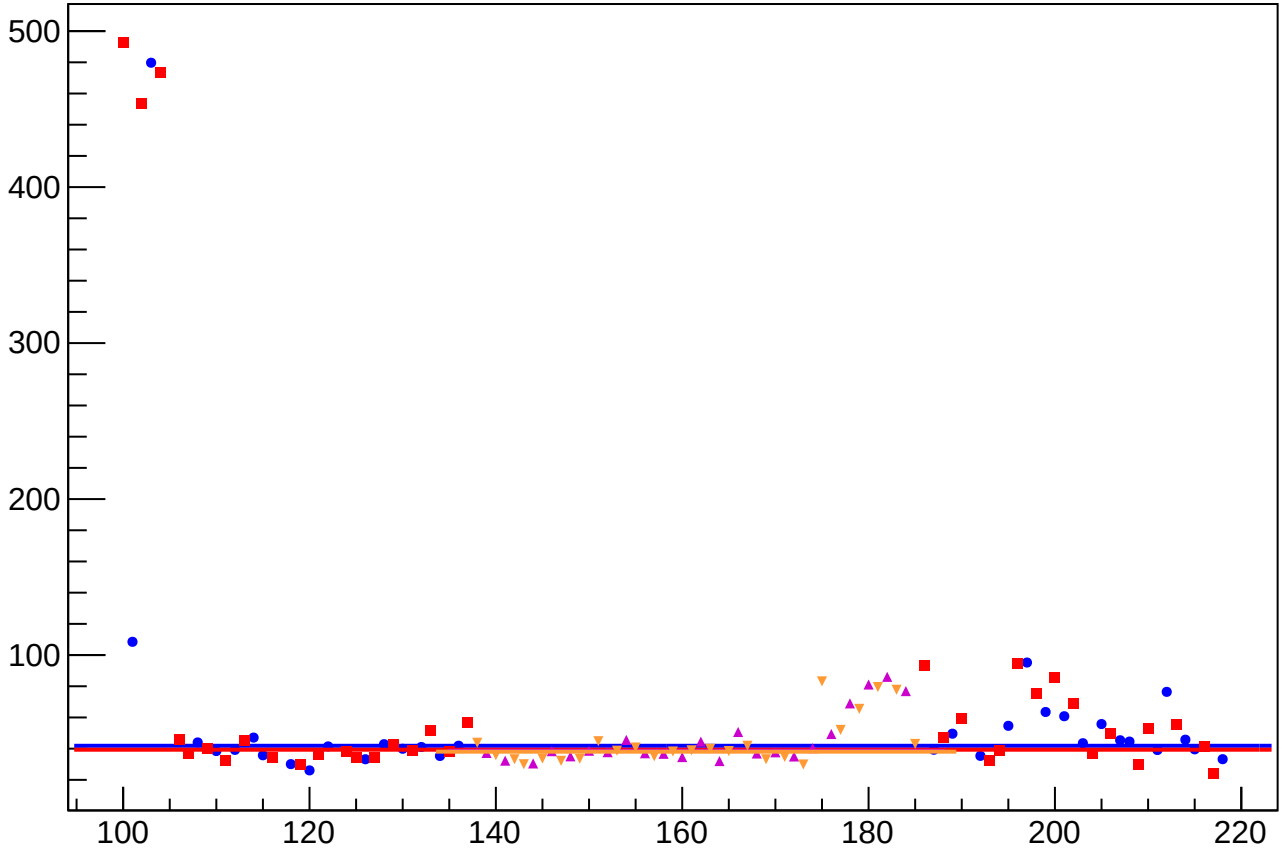
Right: 0.002+/-0.007 χ^2/NDF: 81.0/66

In: -0.008+/-0.007 χ^2/NDF:71.9/54

Out: 0.010+/-0.007 χ^2/NDF:64.9/59

All: 0.002+/-0.005 χ^2/NDF: 140.0/114

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: 39.326+/-0.007 χ^2/NDF: 4716253.1/34

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

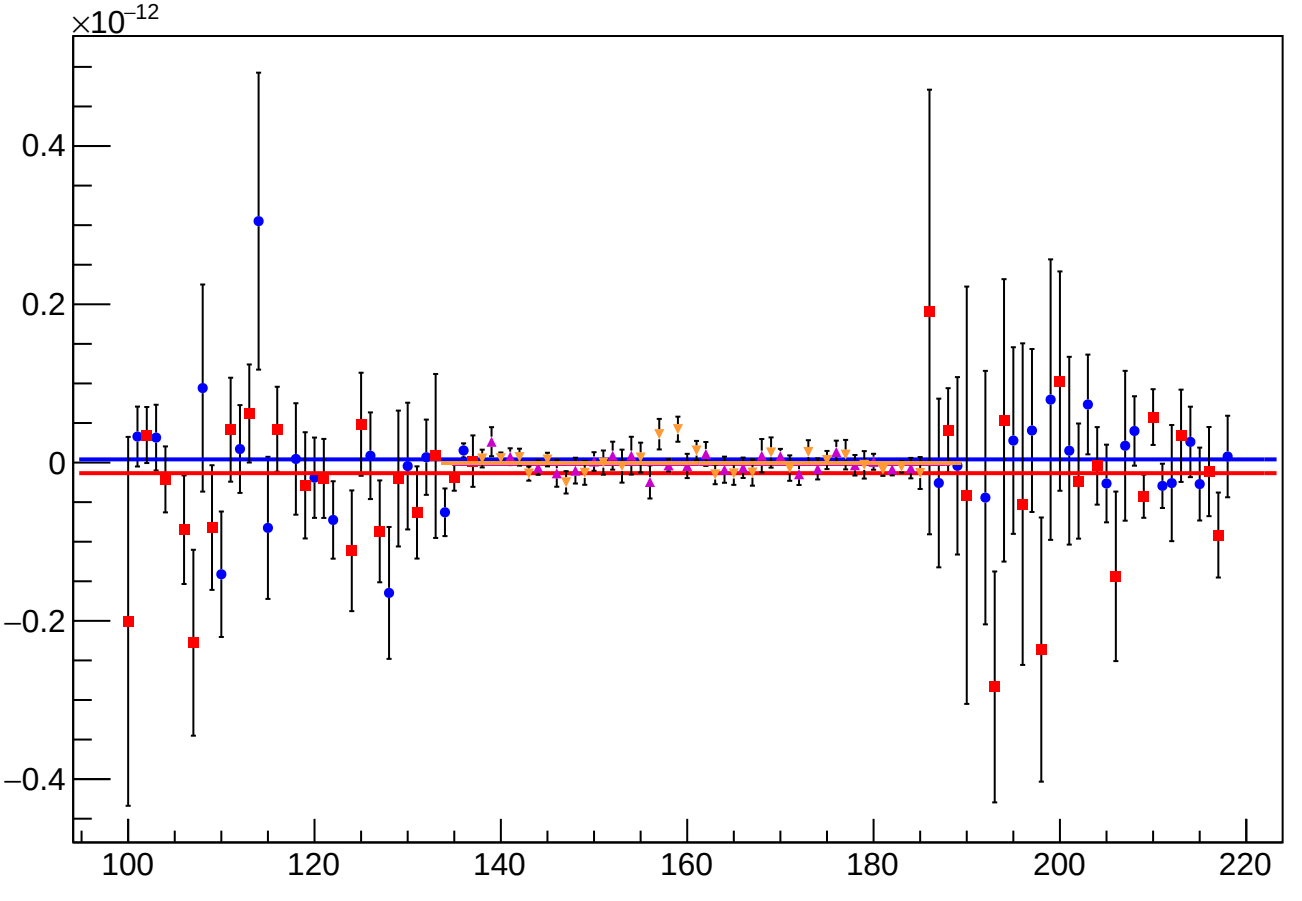
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 40.561+/-0.005 χ^2/NDF: 7996296.7/66

In: 40.130+/-0.005 χ^2/NDF:5048353.7/54

Out: 38.644+/-0.005 χ^2/NDF:6699221.6/59

All: 39.366+/-0.004 χ^2/NDF: 11790840.9/114



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: 33.2/34

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

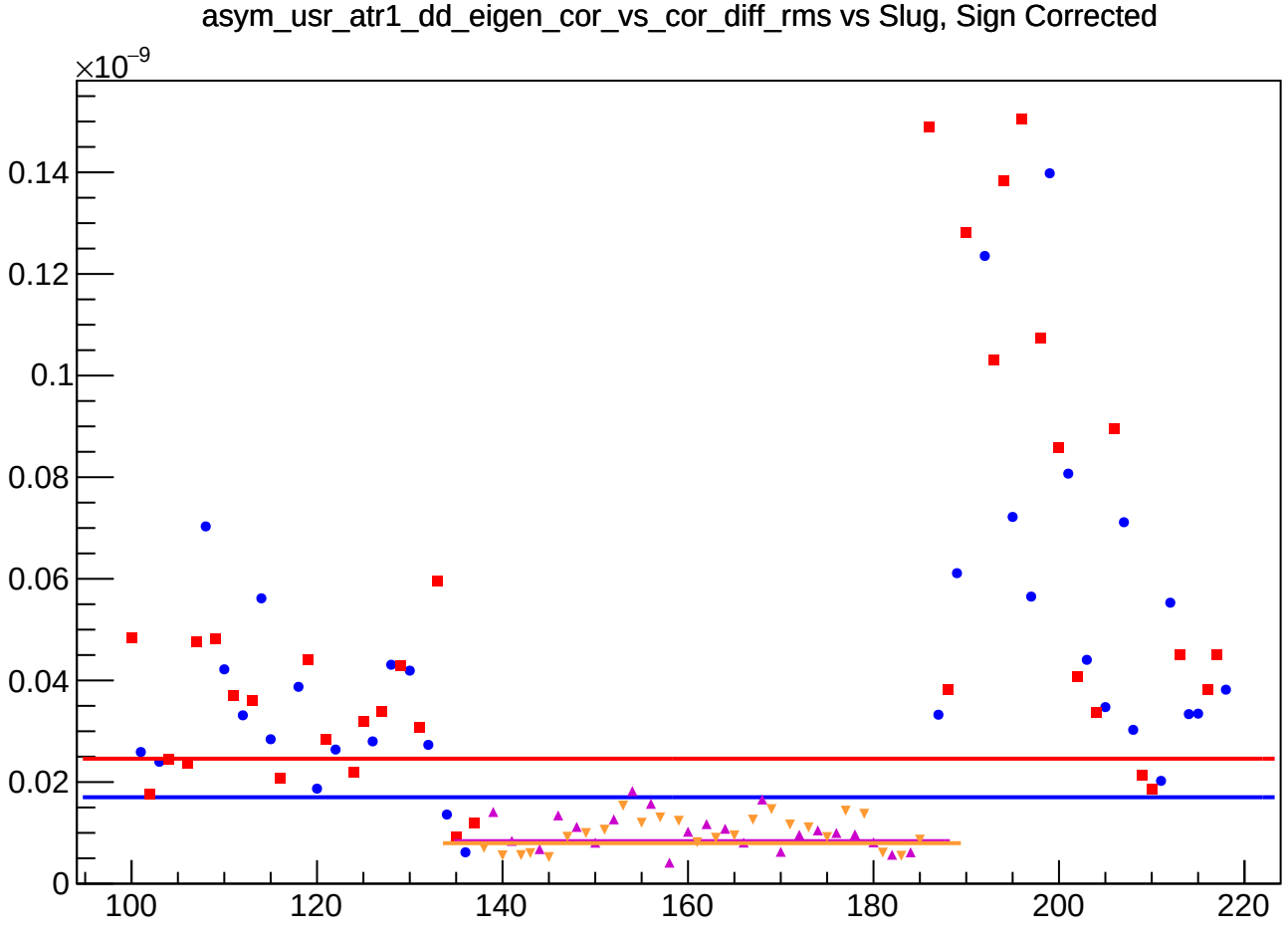
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

Right: -0.000+/-0.000 χ^2/NDF: 62.5/66

In: -0.000+/-0.000 χ^2/NDF:39.1/54

Out: -0.000+/-0.000 χ^2/NDF:62.1/59

All: -0.000+/-0.000 χ^2/NDF: 101.2/114



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: 8577758.3/34

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

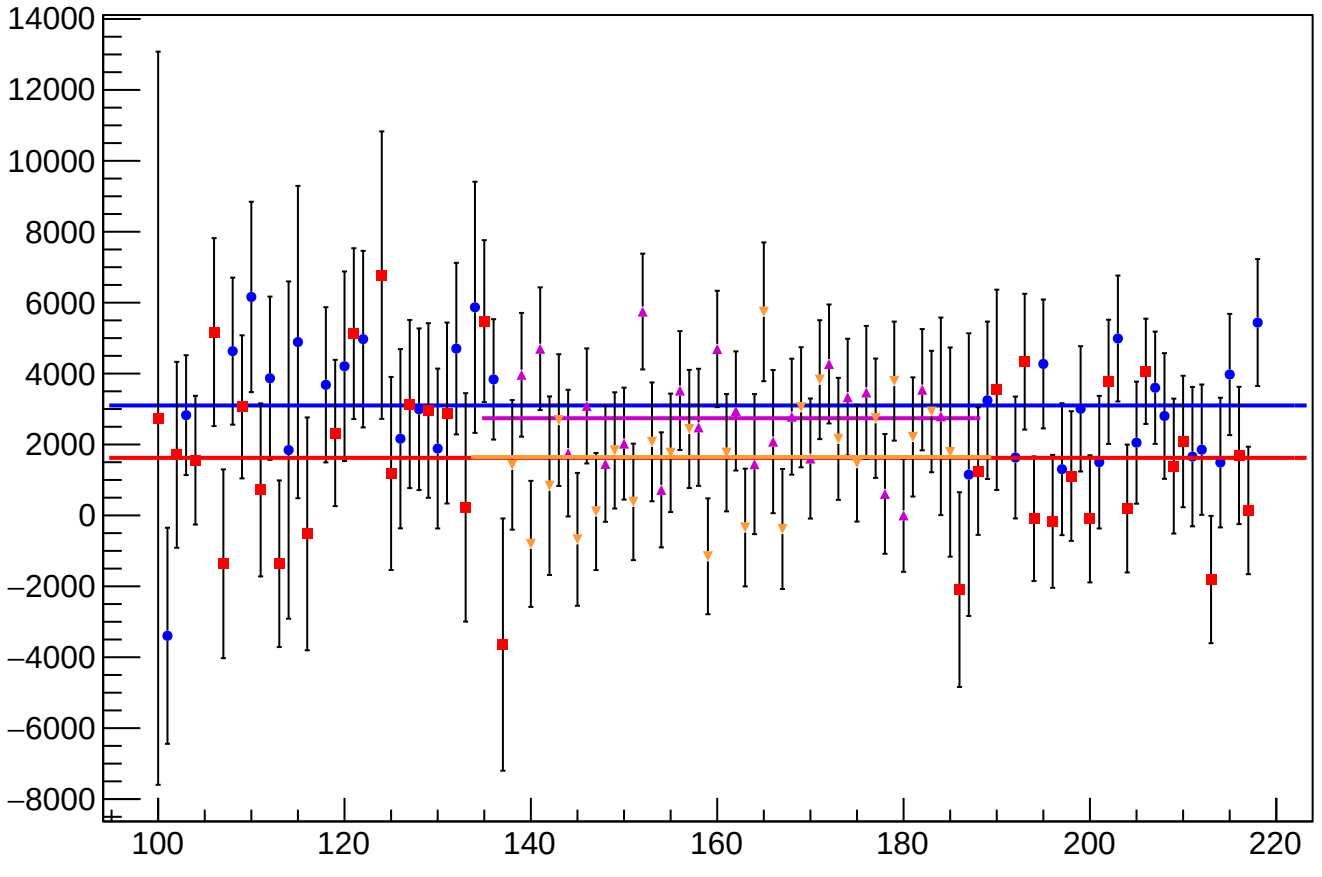
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 20689998.3/66

In: 0.000+/-0.000 χ^2/NDF:16814083.3/54

Out: 0.000+/-0.000 χ^2/NDF:18249124.0/59

All: 0.000+/-0.000 χ^2/NDF: 35079991.5/114



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: 1622.313+/-365.257 χ^2/NDF: 32.3/34

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

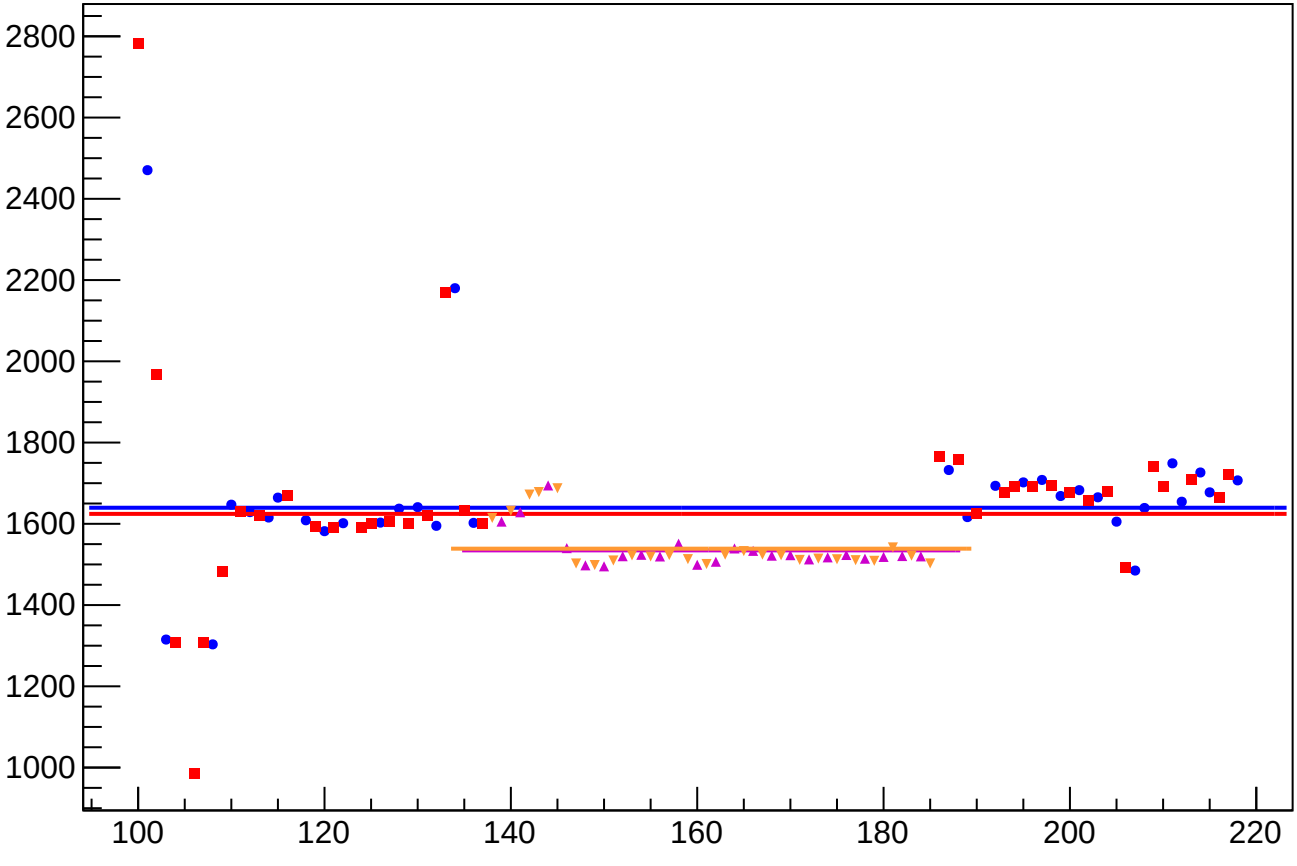
Right: 2359.276+/-258.674 χ^2/NDF: 58.1/66

In: 2916.928+/-256.225 χ^2/NDF:34.6/54

Out: 1634.879+/-252.618 χ^2/NDF:53.3/59

All: 2266.816+/-179.890 χ^2/NDF: 100.6/114

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: 1624.448+/-0.257 χ^2/NDF: 481653.9/34

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

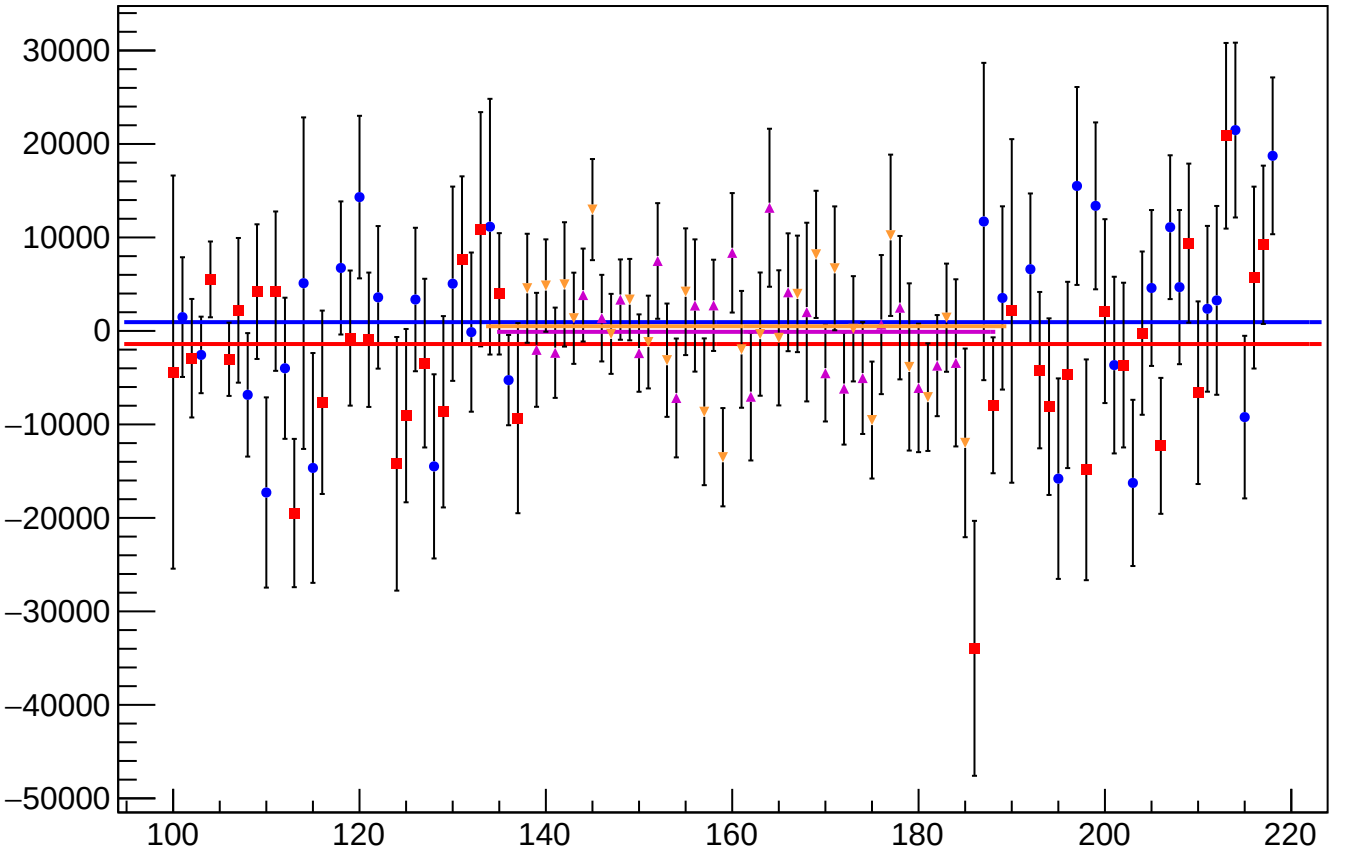
Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

Right: 1631.937+/-0.182 χ^2/NDF: 853924.6/66

In: 1585.946+/-0.181 χ^2/NDF:485530.4/54

Out: 1580.054+/-0.178 χ^2/NDF:586456.3/59

All: 1582.949+/-0.127 χ^2/NDF: 1072524.6/11



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: -1401.112+/-1356.967 χ^2/NDF: 35.5/34

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

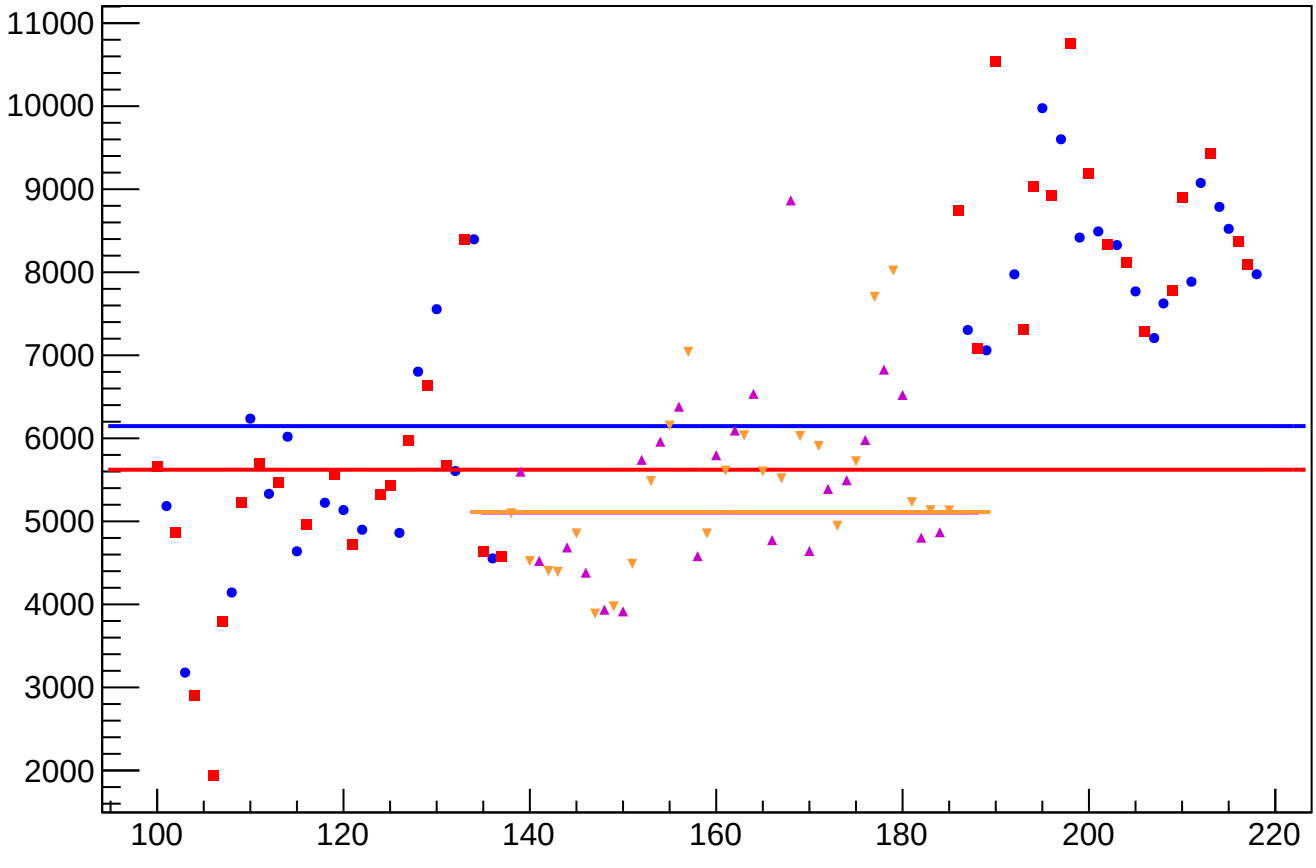
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

Right: -298.634+/-987.095 χ^2/NDF: 76.5/66

In: 335.450+/-929.370 χ^2/NDF:54.8/54

Out: -322.164+/-893.551 χ^2/NDF:63.4/59

All: -6.274+/-644.127 χ^2/NDF: 118.5/114



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: 5621.902+/-0.960 χ^2/NDF: 6012026.0/34

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

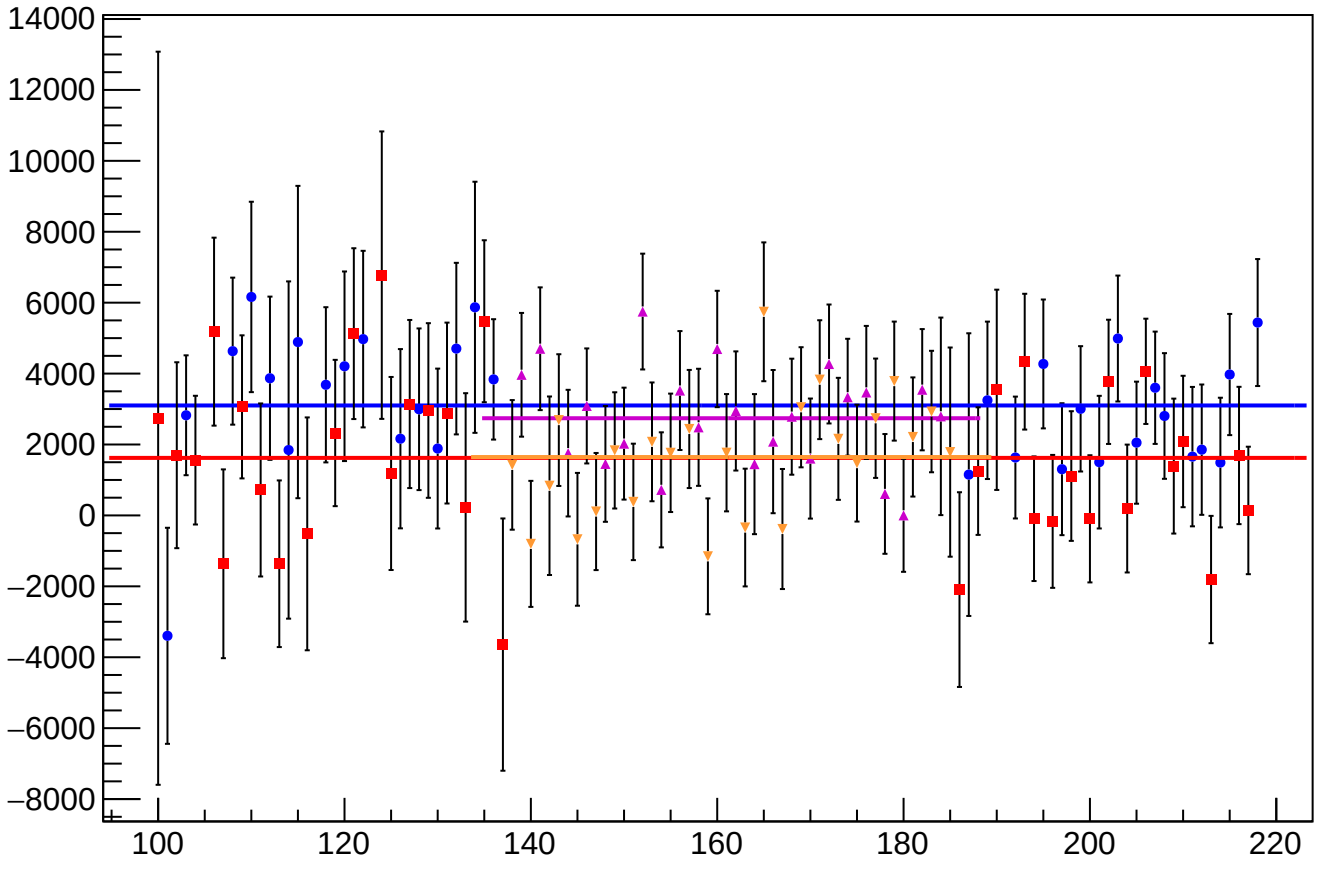
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 5869.180+/-0.698 χ^2/NDF: 9779764.0/66

In: 5540.759+/-0.657 χ^2/NDF:5488147.7/54

Out: 5333.639+/-0.632 χ^2/NDF:7330386.8/59

All: 5433.131+/-0.455 χ^2/NDF: 12870152.3/1



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: 1622.340+/-365.258 χ^2/NDF: 32.3/34

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

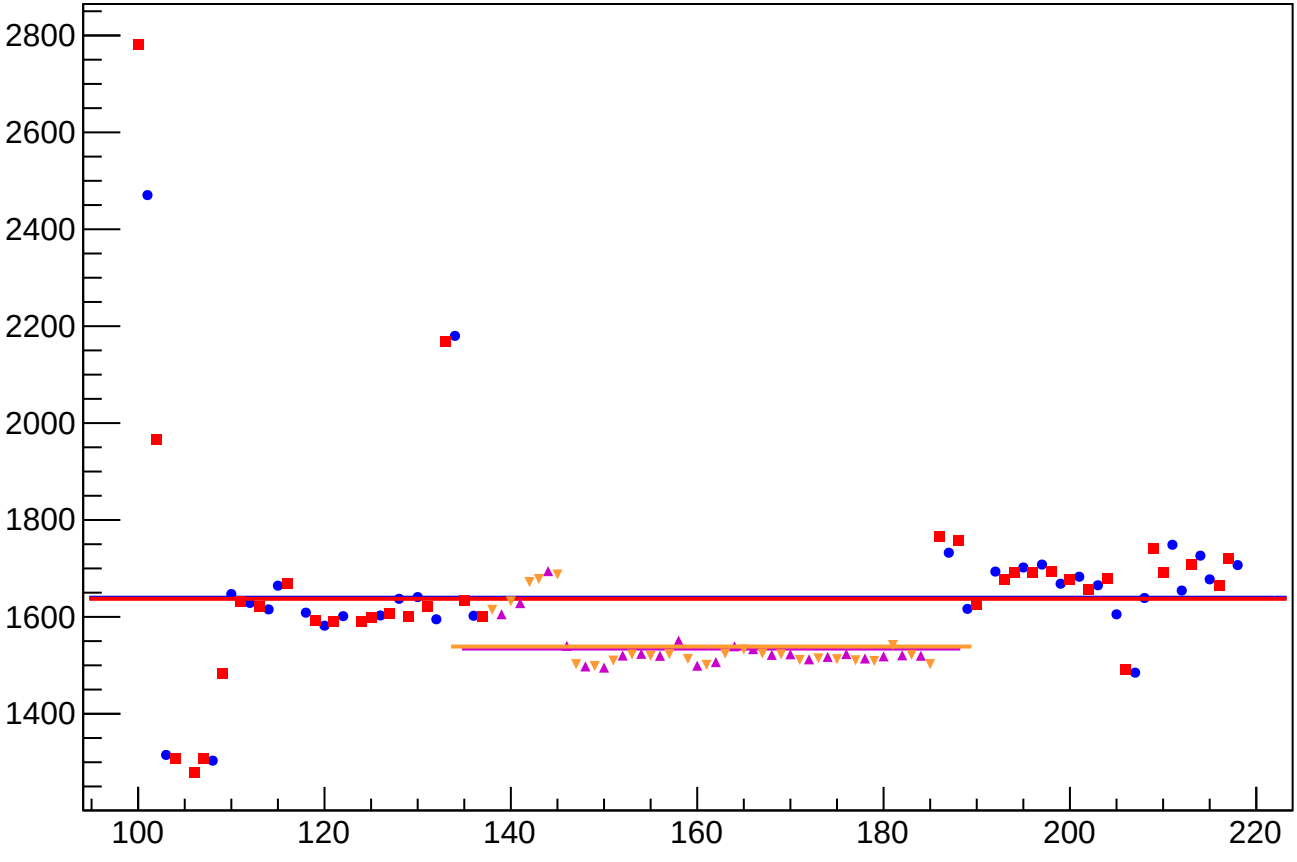
Right: 2359.242+/-258.674 χ^2/NDF: 58.1/66

In: 2916.829+/-256.225 χ^2/NDF:34.6/54

Out: 1634.836+/-252.618 χ^2/NDF:53.3/59

All: 2266.746+/-179.890 χ^2/NDF: 100.6/114

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: 1637.325+/-0.258 χ^2/NDF: 322131.9/34

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

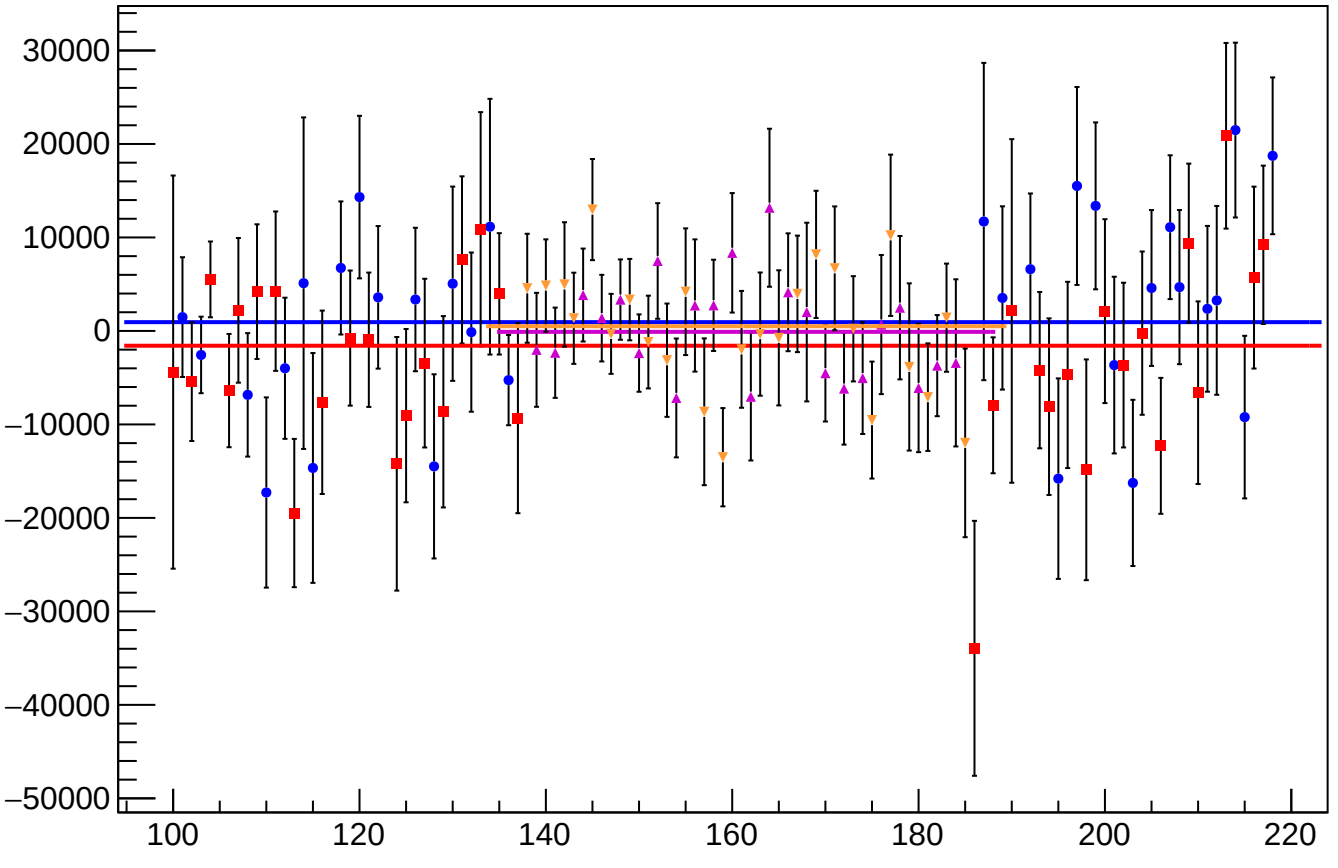
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1638.444+/-0.183 χ^2/NDF: 692718.8/66

In: 1585.946+/-0.181 χ^2/NDF:485529.5/54

Out: 1586.008+/-0.178 χ^2/NDF:445207.7/59

All: 1585.978+/-0.127 χ^2/NDF: 930737.3/114



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: -1582.063+/-1407.102 χ^2/NDF: 36.3/34

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

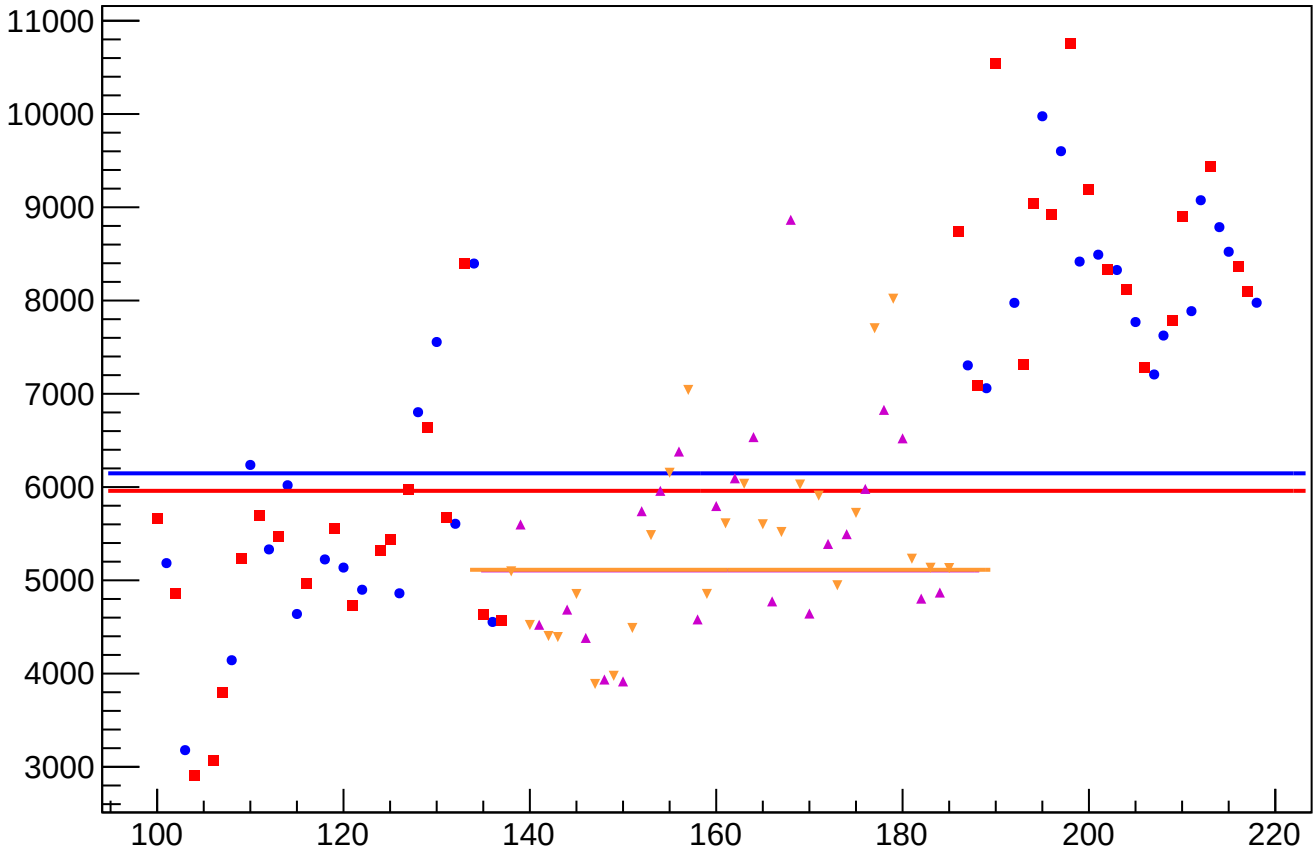
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -348.739+/-1005.904 χ^2/NDF: 77.5/66

In: 335.417+/-929.374 χ^2/NDF:54.8/54

Out: -363.646+/-907.426 χ^2/NDF:64.4/59

All: -22.466+/-649.268 χ^2/NDF: 119.5/114



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: 5959.473+/-0.995 χ^2/NDF: 4484126.3/34

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

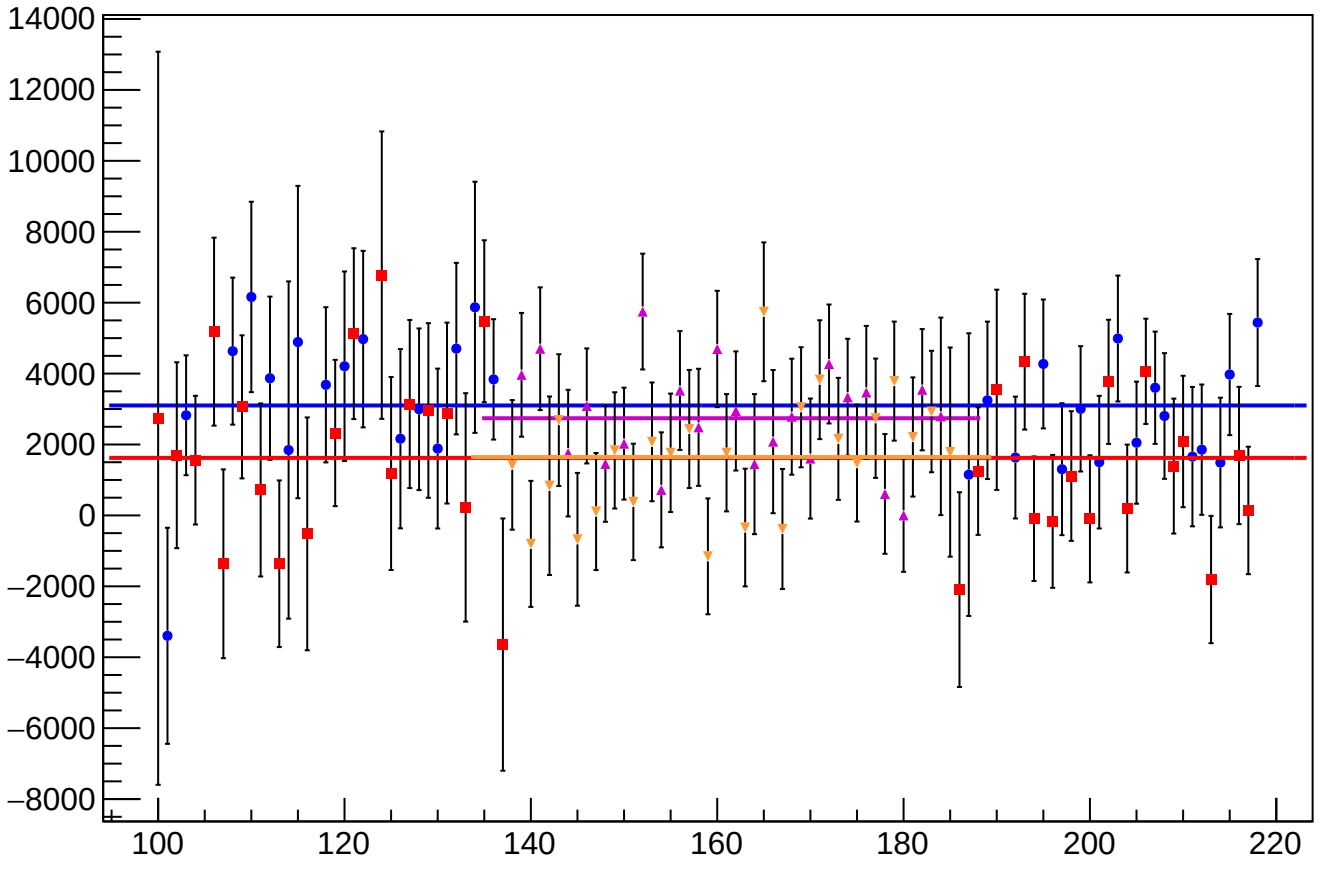
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 6051.258+/-0.711 χ^2/NDF: 8127762.1/66

In: 5540.799+/-0.657 χ^2/NDF:5487822.5/54

Out: 5465.003+/-0.642 χ^2/NDF:6065973.6/59

All: 5501.995+/-0.459 χ^2/NDF: 11560606.6/1



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: 1622.340+/-365.258 χ^2/NDF: 32.3/34

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

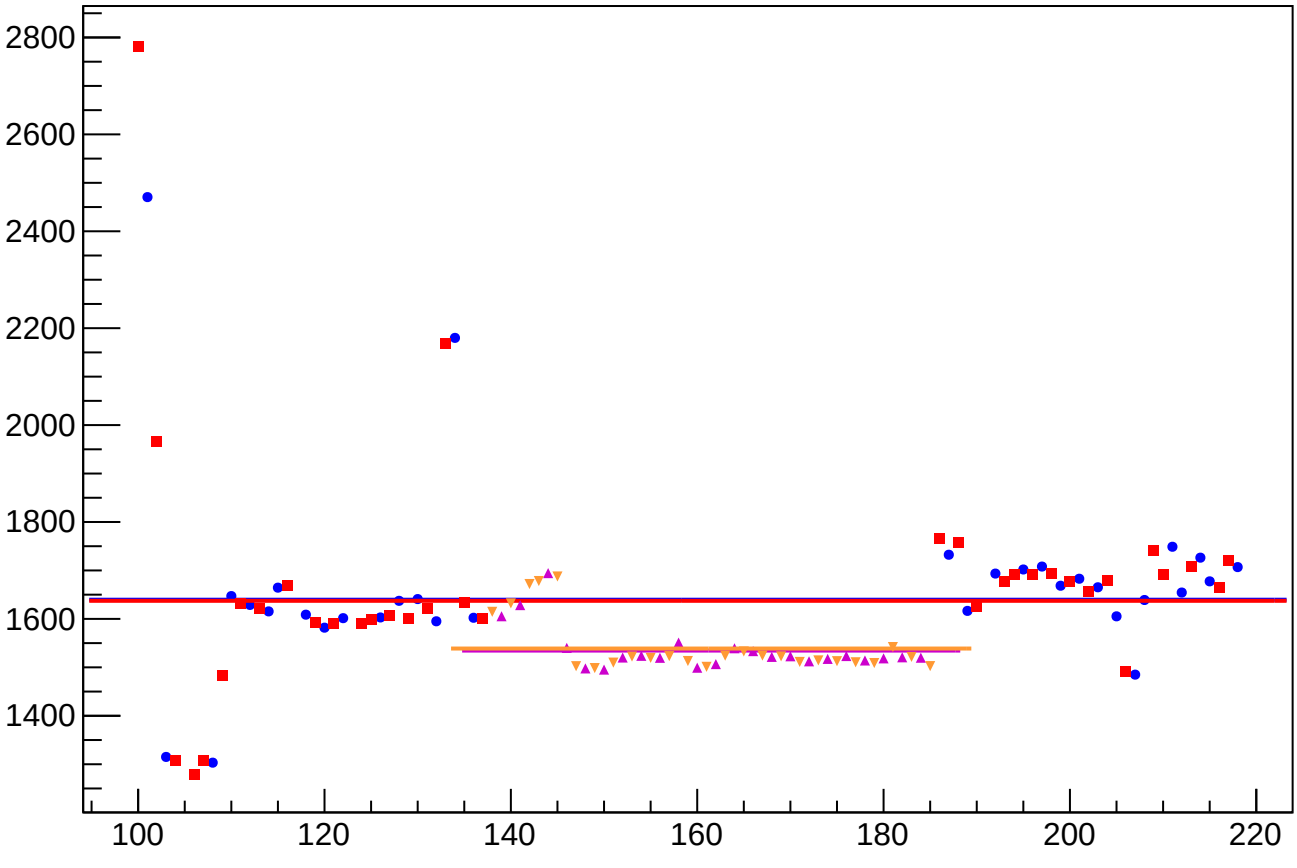
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2359.242+/-258.674 χ^2/NDF: 58.1/66

In: 2916.829+/-256.225 χ^2/NDF:34.6/54

Out: 1634.836+/-252.618 χ^2/NDF:53.3/59

All: 2266.746+/-179.890 χ^2/NDF: 100.6/114



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: 1637.325+/-0.258 χ^2/NDF: 322131.9/34

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

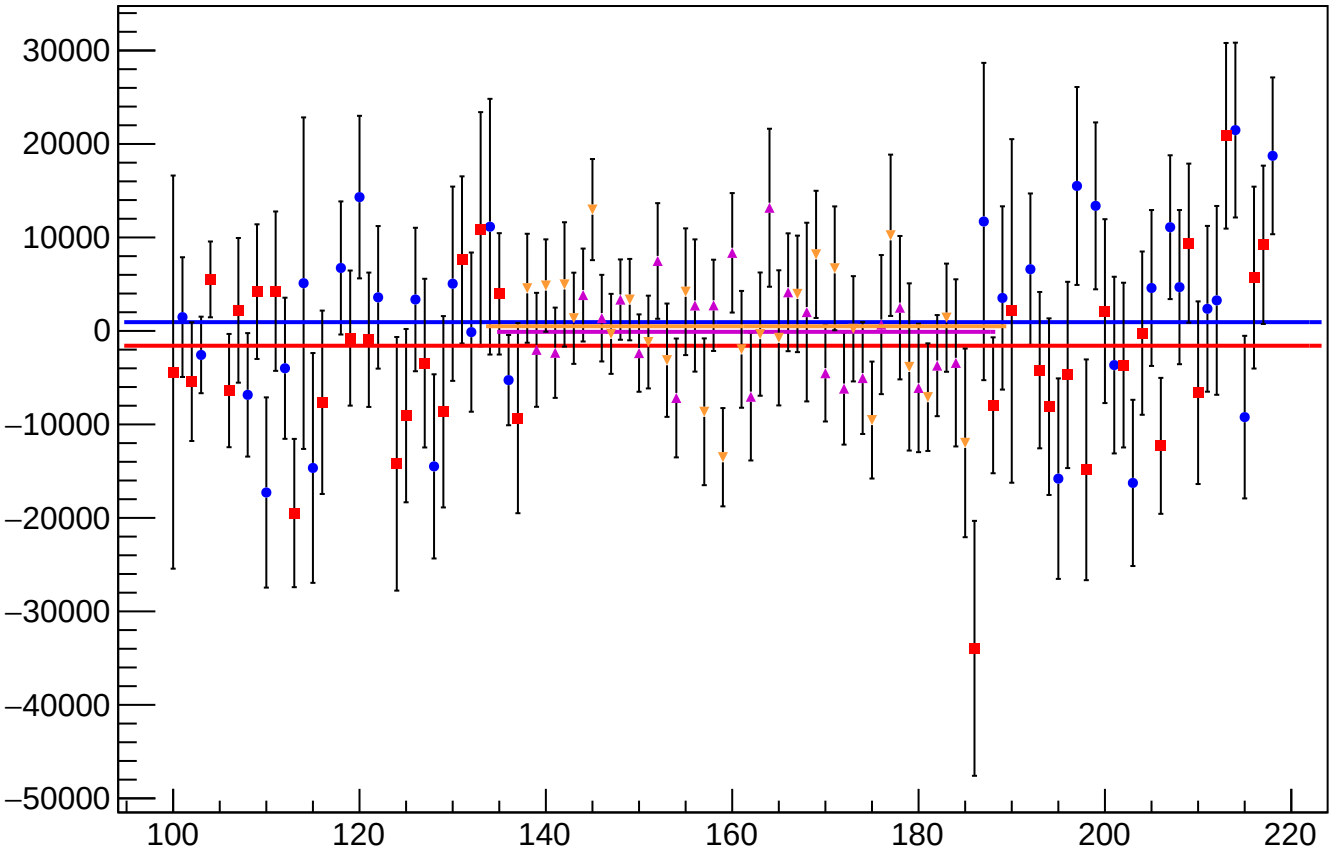
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1638.444+/-0.183 χ^2/NDF: 692718.8/66

In: 1585.946+/-0.181 χ^2/NDF:485529.5/54

Out: 1586.008+/-0.178 χ^2/NDF:445207.7/59

All: 1585.978+/-0.127 χ^2/NDF: 930737.3/114



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: -1582.063+/-1407.102 χ^2/NDF: 36.3/34

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

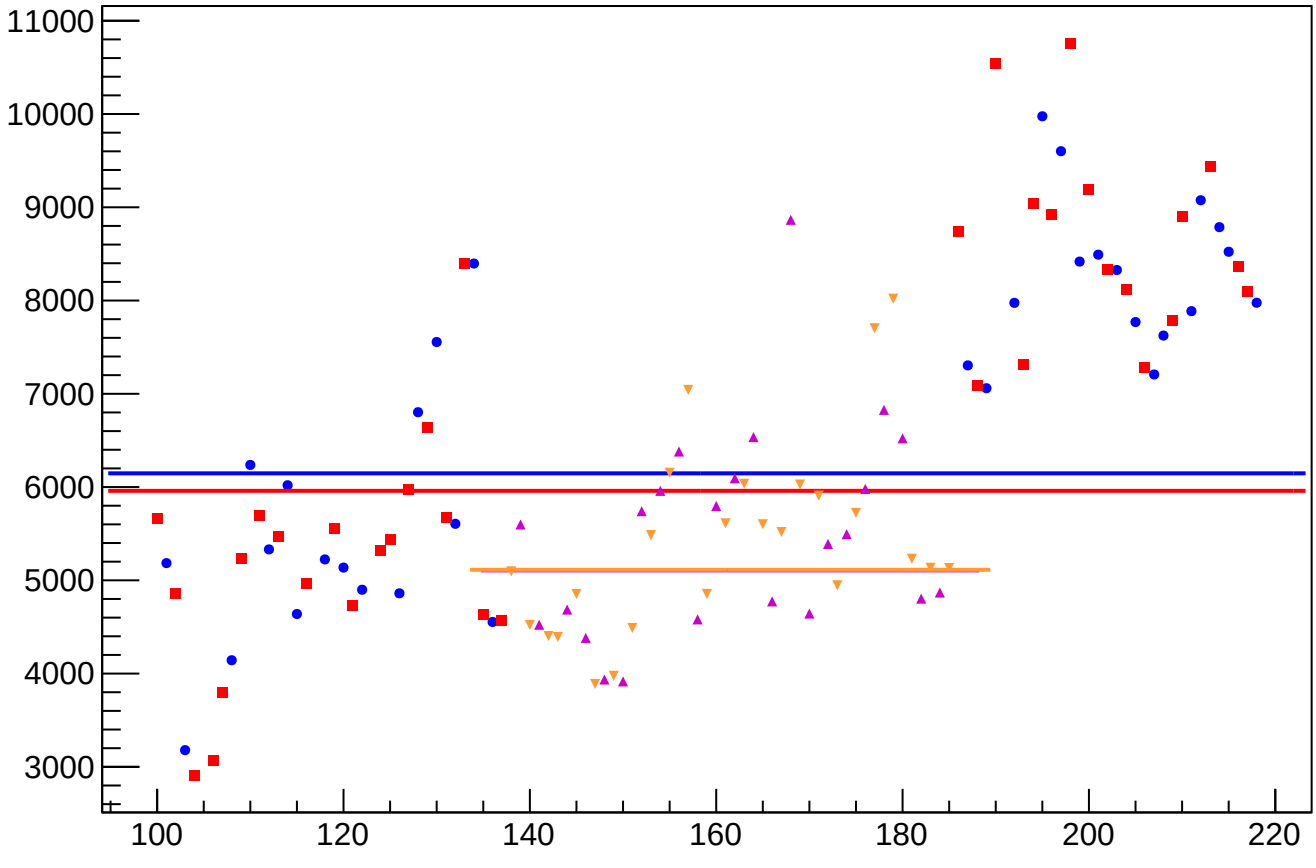
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -348.739+/-1005.904 χ^2/NDF: 77.5/66

In: 335.417+/-929.374 χ^2/NDF:54.8/54

Out: -363.646+/-907.426 χ^2/NDF:64.4/59

All: -22.466+/-649.268 χ^2/NDF: 119.5/114



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: 5959.473+/-0.995 χ^2/NDF: 4484126.3/34

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

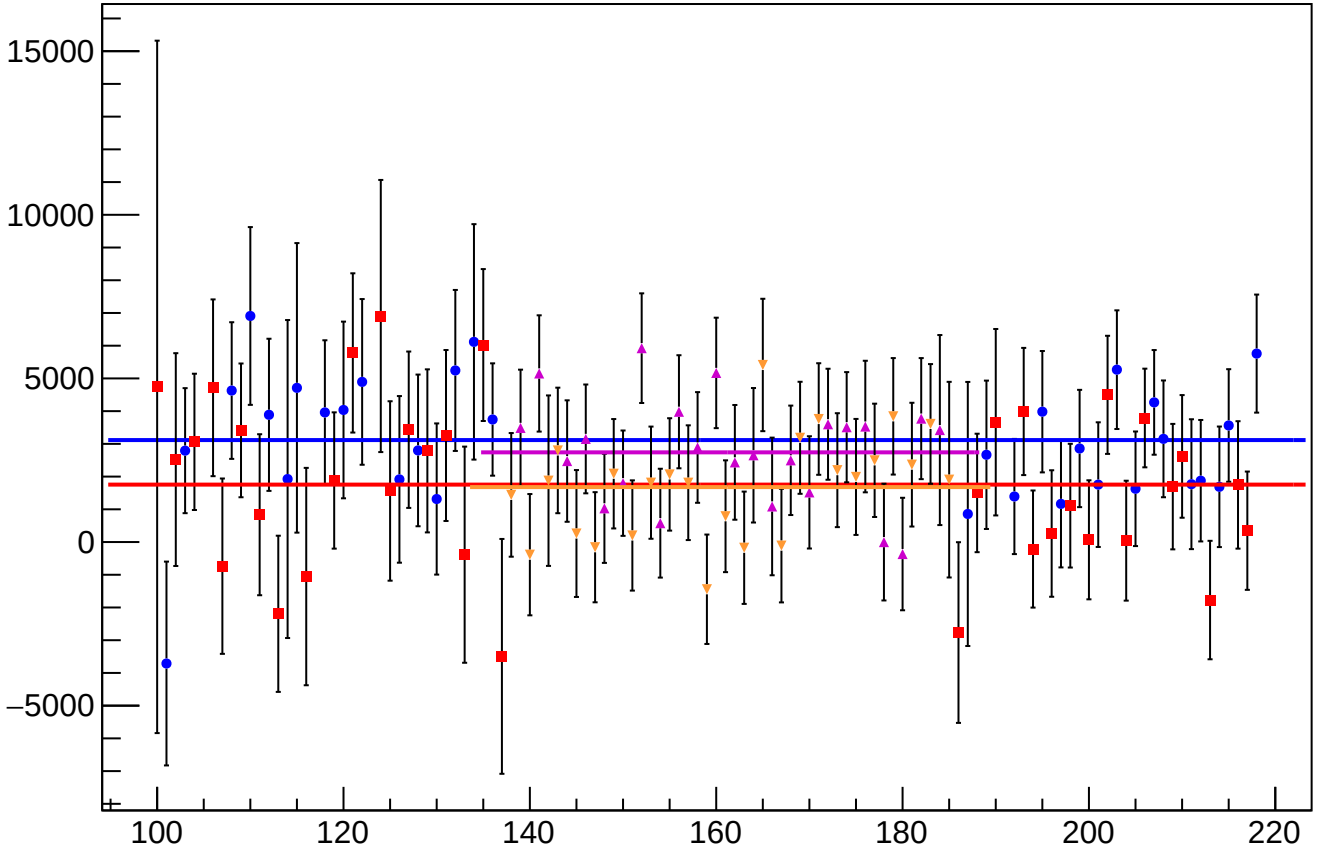
Right: 6051.258+/-0.711 χ^2/NDF: 8127762.1/66

In: 5540.799+/-0.657 χ^2/NDF:5487822.5/54

Out: 5465.003+/-0.642 χ^2/NDF:6065973.6/59

All: 5501.995+/-0.459 χ^2/NDF: 11560606.6/1

dit_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



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: 1754.955+/-373.379 χ^2/NDF: 34.9/34

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

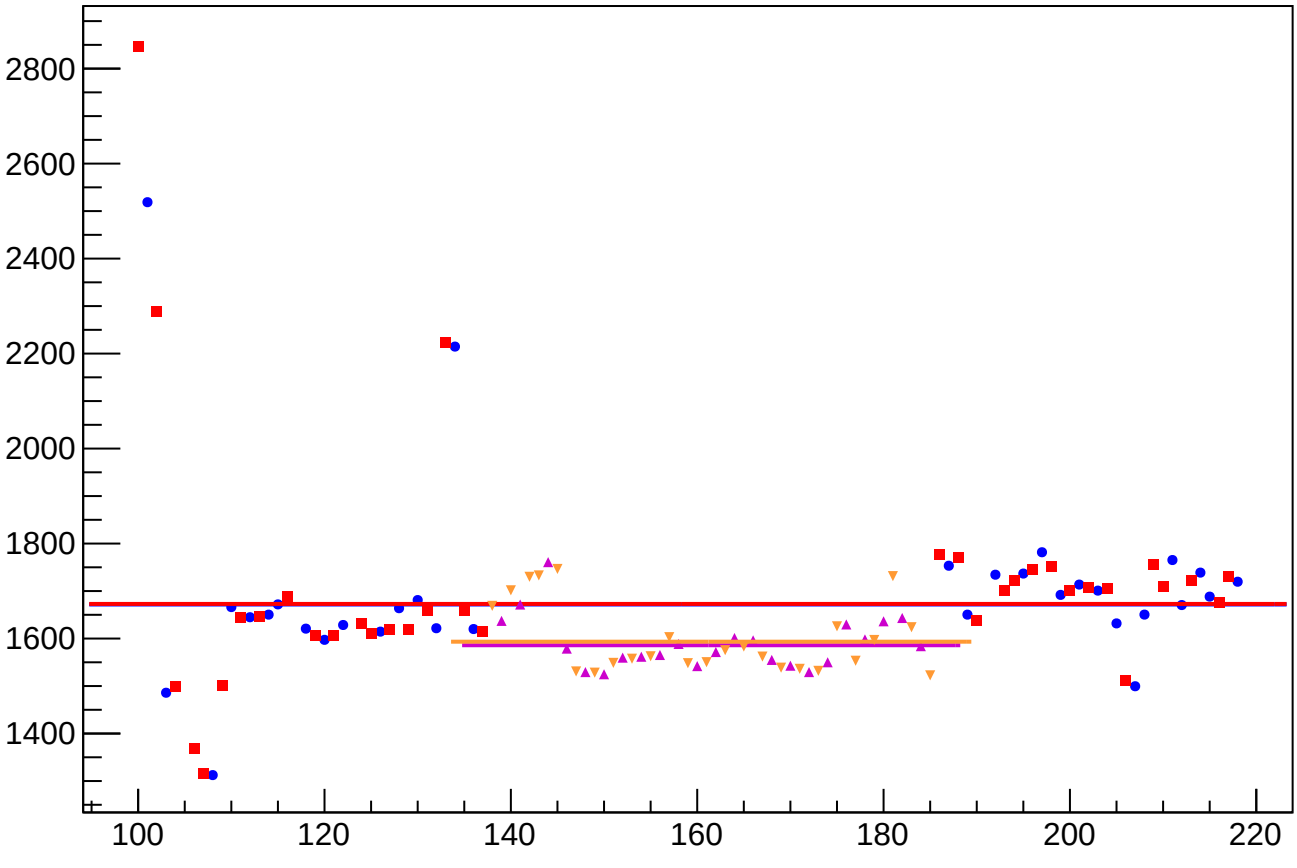
Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

Right: 2435.382+/-264.036 χ^2/NDF: 61.8/66

In: 2926.902+/-263.049 χ^2/NDF:39.9/54

Out: 1715.927+/-260.047 χ^2/NDF:53.9/59

All: 2314.465+/-184.933 χ^2/NDF: 104.6/114



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: 1672.887+/-0.264 χ^2/NDF: 298989.6/34

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

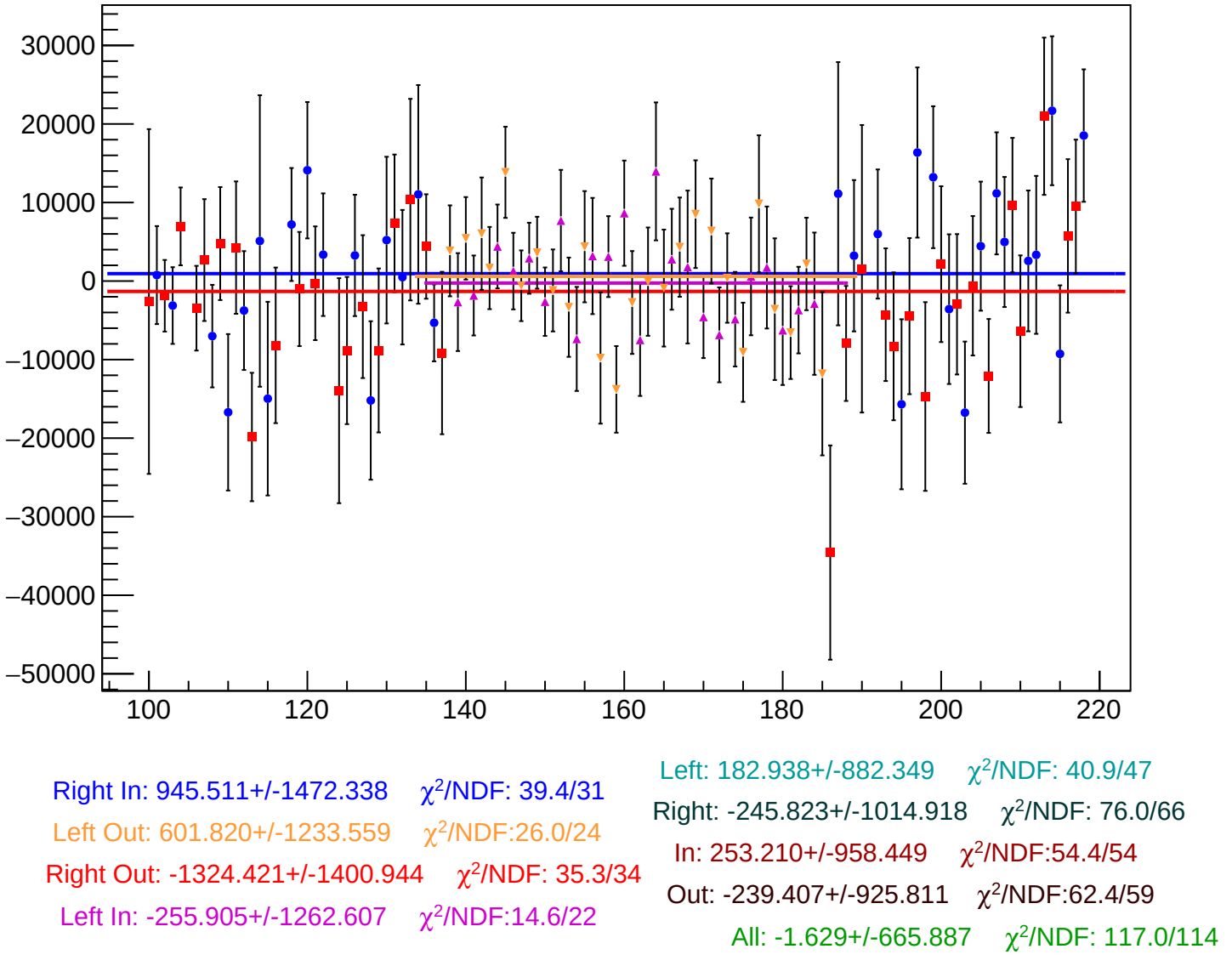
Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

Right: 1672.314+/-0.187 χ^2/NDF: 625159.6/66

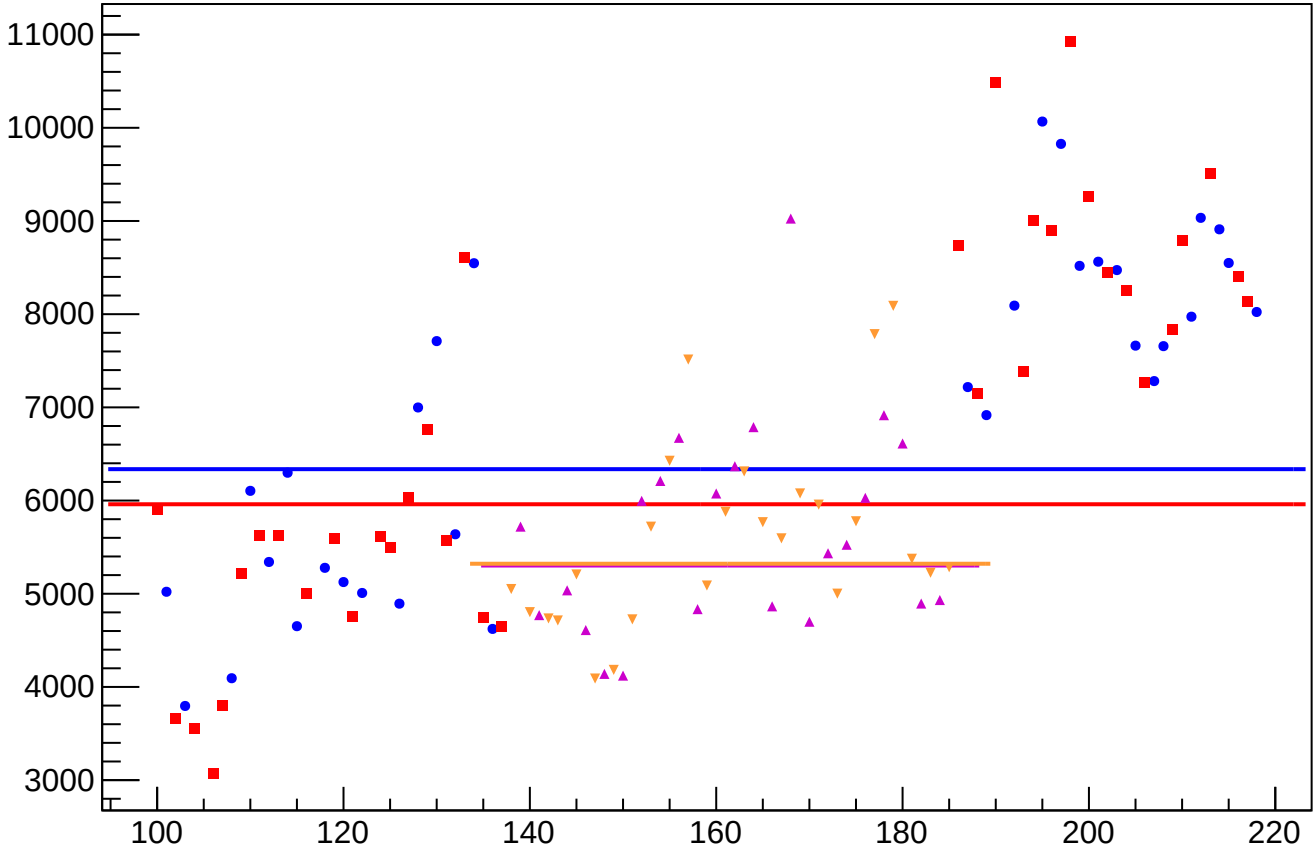
In: 1628.504+/-0.186 χ^2/NDF:421295.5/54

Out: 1631.964+/-0.184 χ^2/NDF:417570.2/59

All: 1630.254+/-0.131 χ^2/NDF: 839040.7/114


asym_usr_atr2_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: 945.511+/-1472.338 χ²/NDF: 39.4/31
Left Out: 601.820+/-1233.559 χ²/NDF:26.0/24
Right Out: -1324.421+/-1400.944 χ²/NDF: 35.3/34
Left In: -255.905+/-1262.607 χ²/NDF:14.6/22
Left: 182.938+/-882.349 χ²/NDF: 40.9/47
Right: -245.823+/-1014.918 χ²/NDF: 76.0/66
In: 253.210+/-958.449 χ²/NDF:54.4/54
Out: -239.407+/-925.811 χ²/NDF:62.4/59
All: -1.629+/-665.887 χ²/NDF: 117.0/114

asym_usr_atr2_avg_dit_correction_rms vs Slug, Sign Corrected



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: 5960.344+/-0.991 χ^2/NDF: 4410106.9/34

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

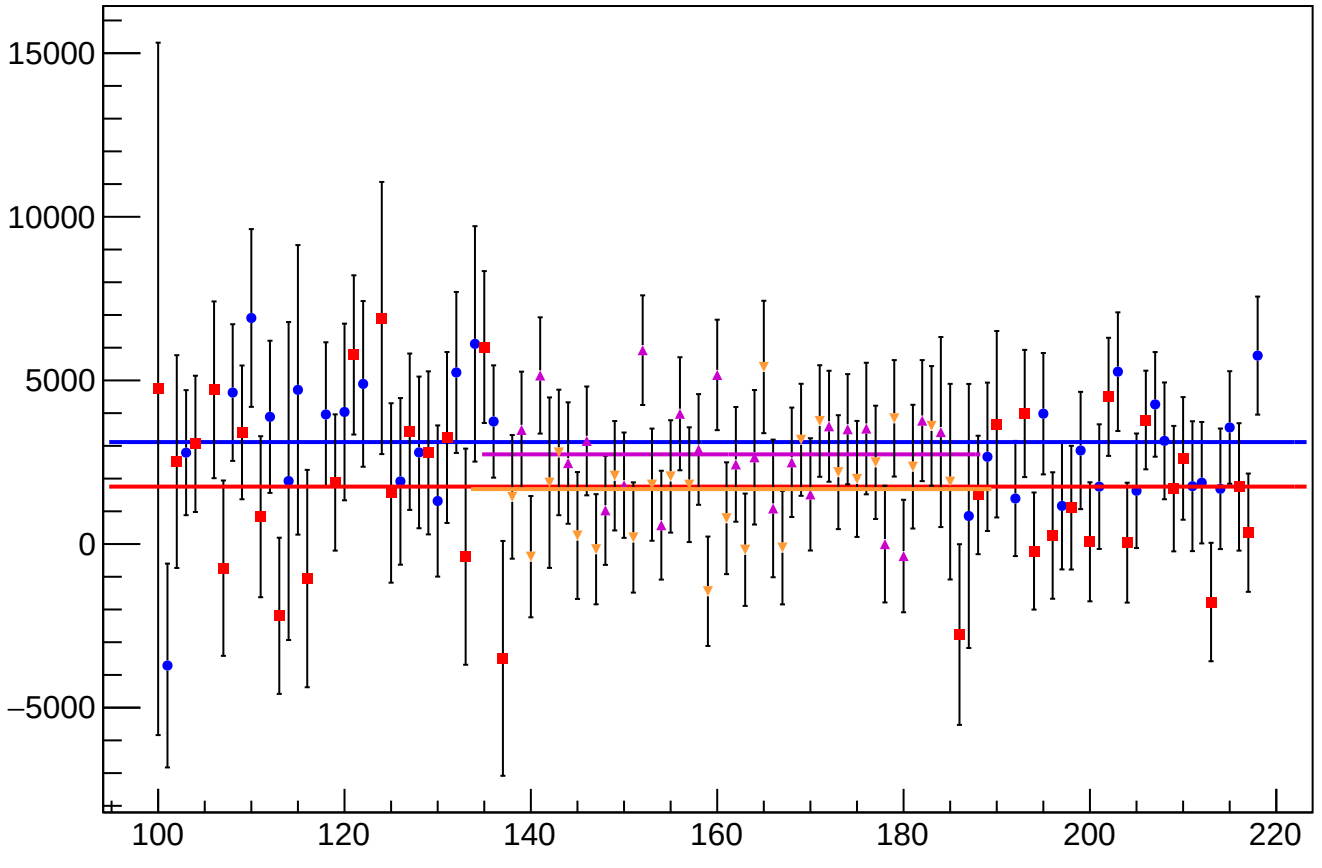
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 6139.277+/-0.718 χ^2/NDF: 7564414.1/66

In: 5741.047+/-0.678 χ^2/NDF:4806494.5/54

Out: 5600.752+/-0.655 χ^2/NDF:5681044.2/59

All: 5668.470+/-0.471 χ^2/NDF: 10509706.8/1



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: 1754.959+/-373.379 χ^2/NDF: 34.9/34

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

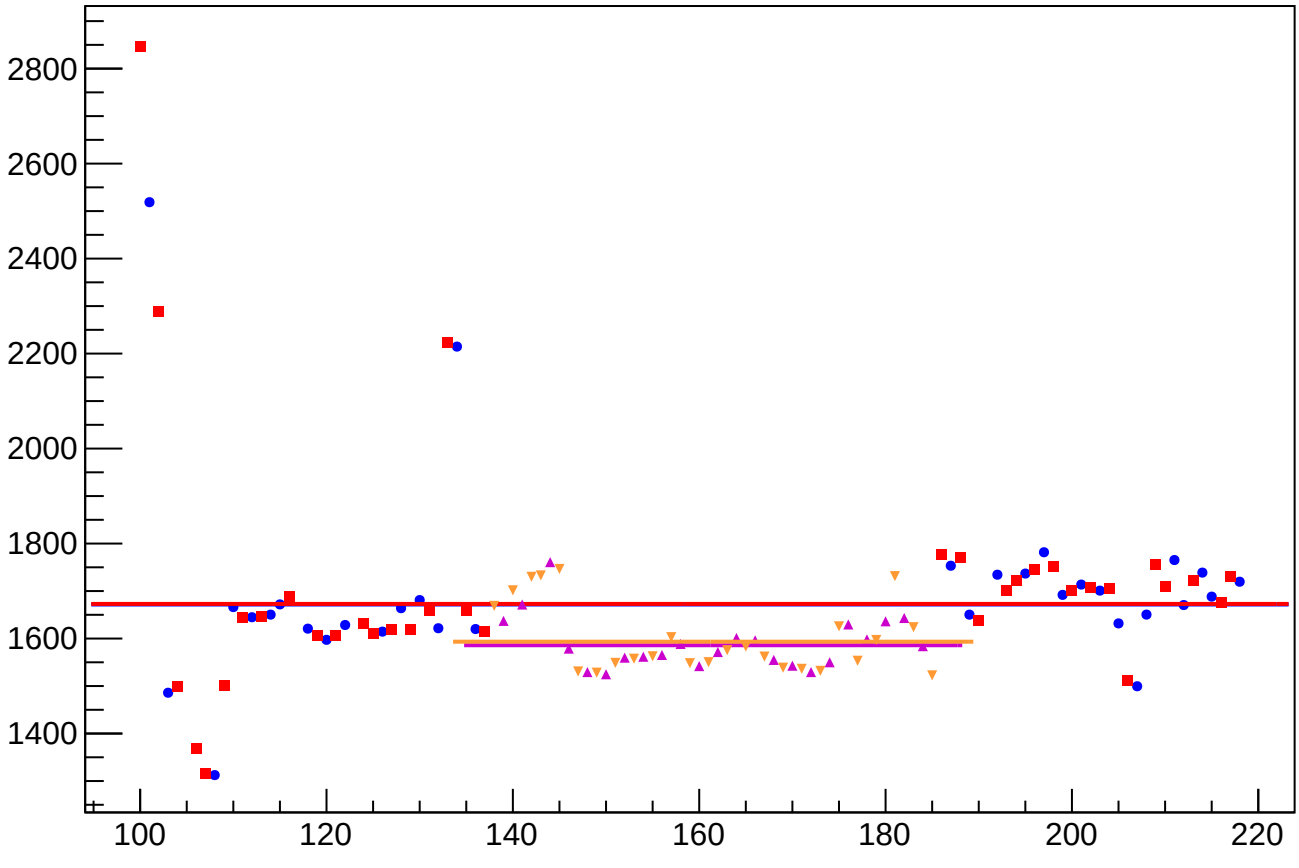
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2435.381+/-264.036 χ^2/NDF: 61.8/66

In: 2926.899+/-263.049 χ^2/NDF:39.9/54

Out: 1715.926+/-260.047 χ^2/NDF:53.9/59

All: 2314.463+/-184.933 χ^2/NDF: 104.6/114



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: 1672.887+/-0.264 χ^2/NDF: 298989.6/34

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

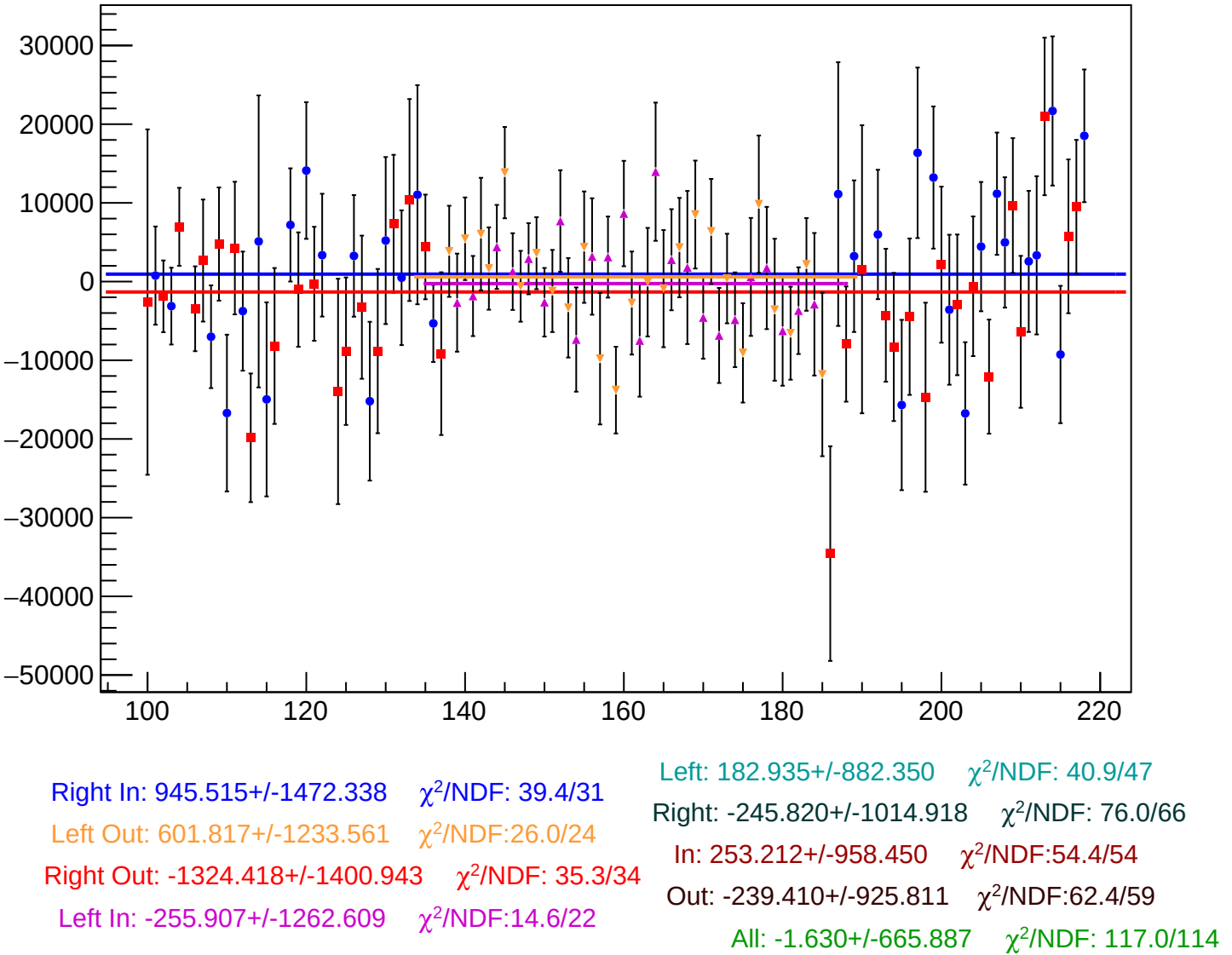
Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

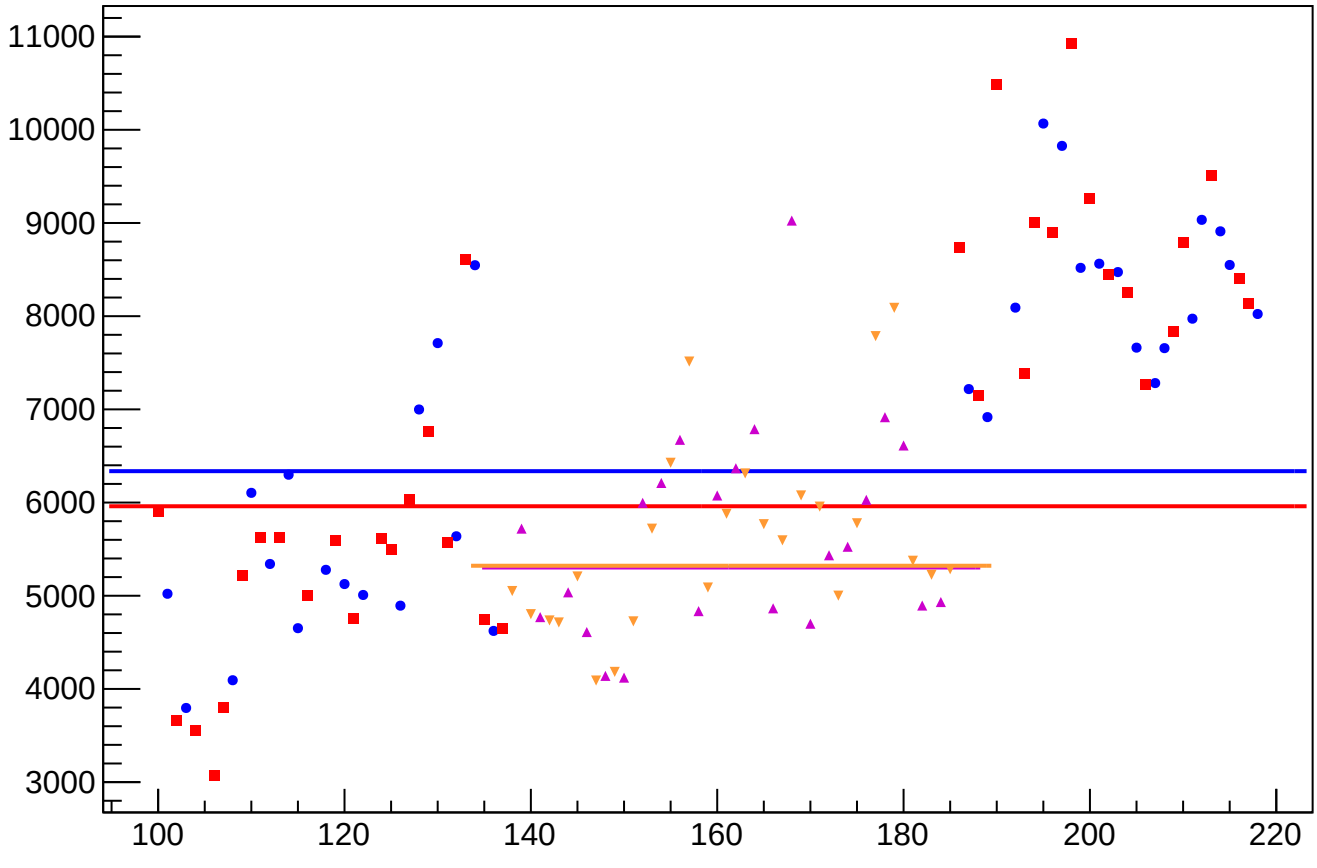
Right: 1672.314+/-0.187 χ^2/NDF: 625159.9/66

In: 1628.504+/-0.186 χ^2/NDF:421294.1/54

Out: 1631.964+/-0.184 χ^2/NDF:417568.9/59

All: 1630.254+/-0.131 χ^2/NDF: 839038.0/114


asym_usr_atr2_avg_eigen_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: 945.515+/-1472.338 χ²/NDF: 39.4/31
Left Out: 601.817+/-1233.561 χ²/NDF:26.0/24
Right Out: -1324.418+/-1400.943 χ²/NDF: 35.3/34
Left In: -255.907+/-1262.609 χ²/NDF:14.6/22
Left: 182.935+/-882.350 χ²/NDF: 40.9/47
Right: -245.820+/-1014.918 χ²/NDF: 76.0/66
In: 253.212+/-958.450 χ²/NDF:54.4/54
Out: -239.410+/-925.811 χ²/NDF:62.4/59
All: -1.630+/-665.887 χ²/NDF: 117.0/114



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: 5960.339+/-0.991 χ^2/NDF: 4410127.7/34

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

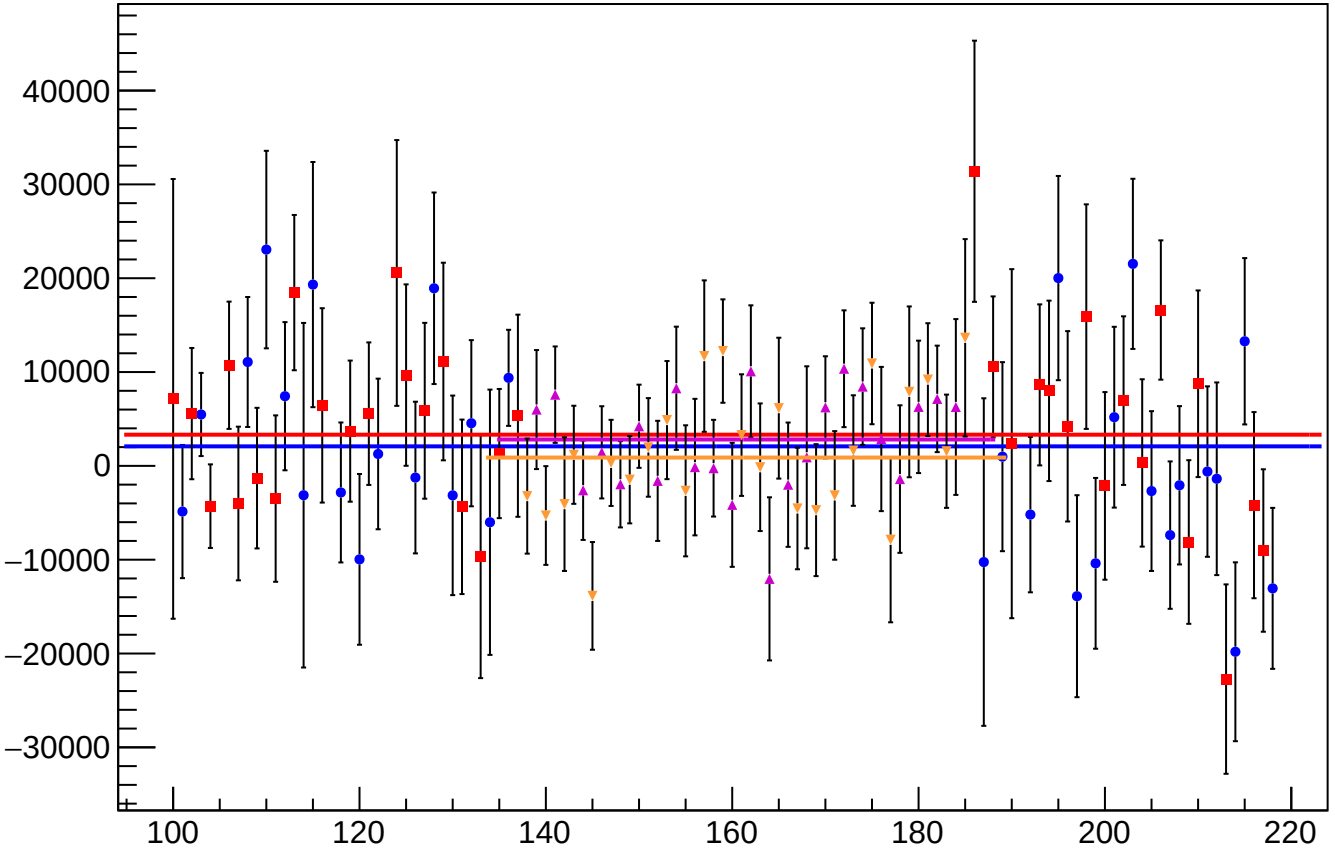
Right: 6139.273+/-0.718 χ^2/NDF: 7564453.9/66

In: 5741.052+/-0.678 χ^2/NDF:4806502.4/54

Out: 5600.756+/-0.655 χ^2/NDF:5681056.3/59

All: 5668.474+/-0.471 χ^2/NDF: 10509727.2/1

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: 3323.656+/-1476.572 χ^2/NDF: 35.7/34

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

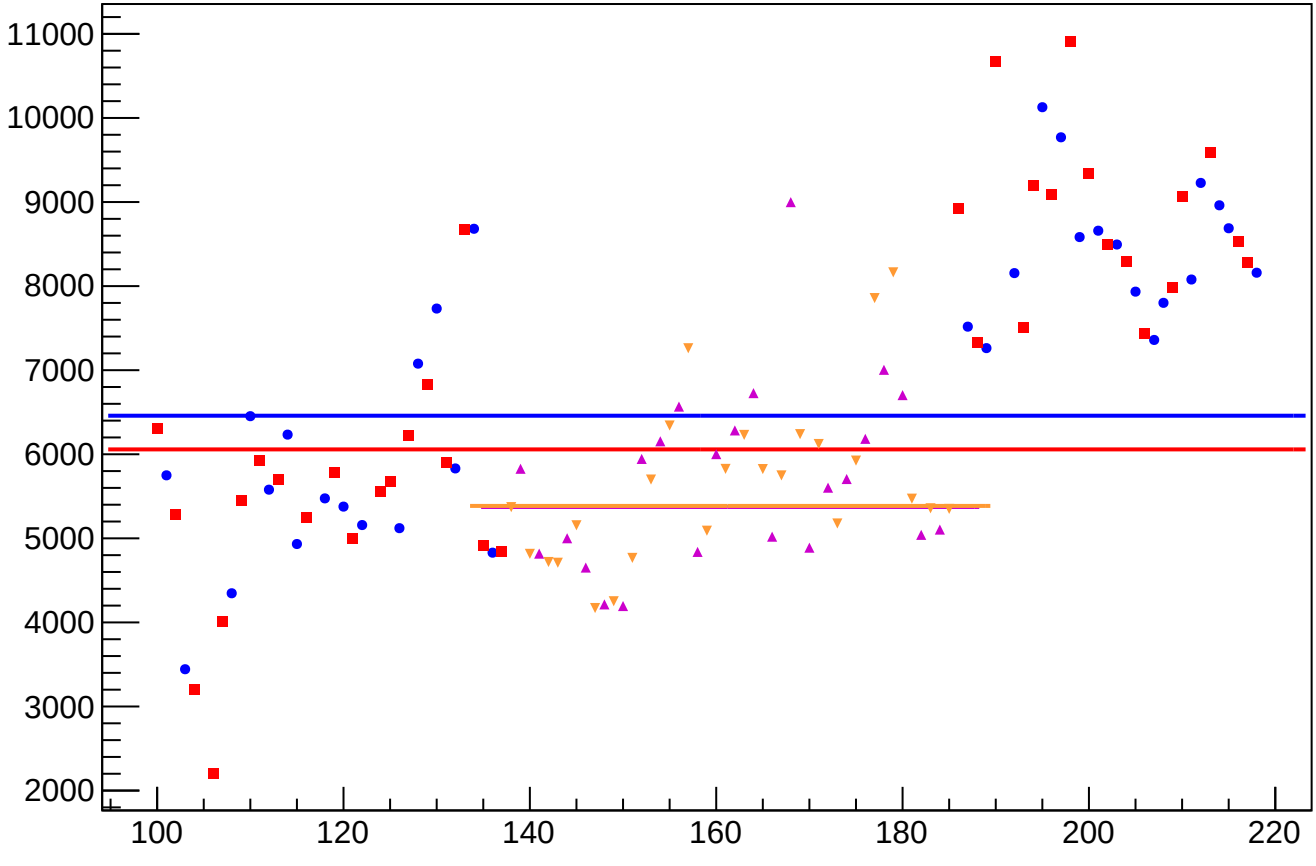
Right: 2712.267+/-1052.847 χ^2/NDF: 78.3/66

In: 2503.954+/-972.903 χ^2/NDF:57.1/54

Out: 1900.027+/-952.485 χ^2/NDF:62.9/59

All: 2195.587+/-680.613 χ^2/NDF: 120.2/114

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: 6057.862+/-1.019 χ^2/NDF: 4932217.9/34

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

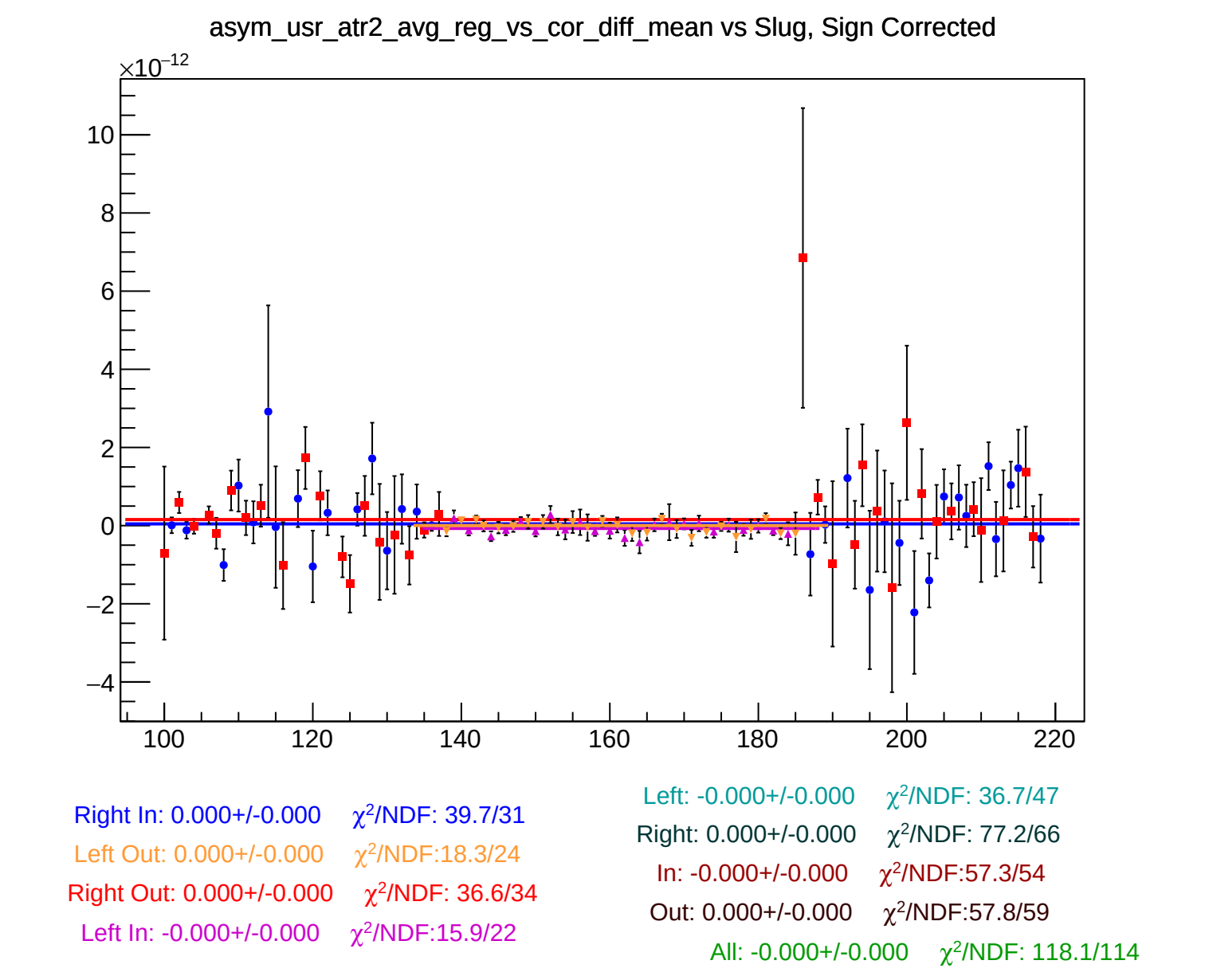
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

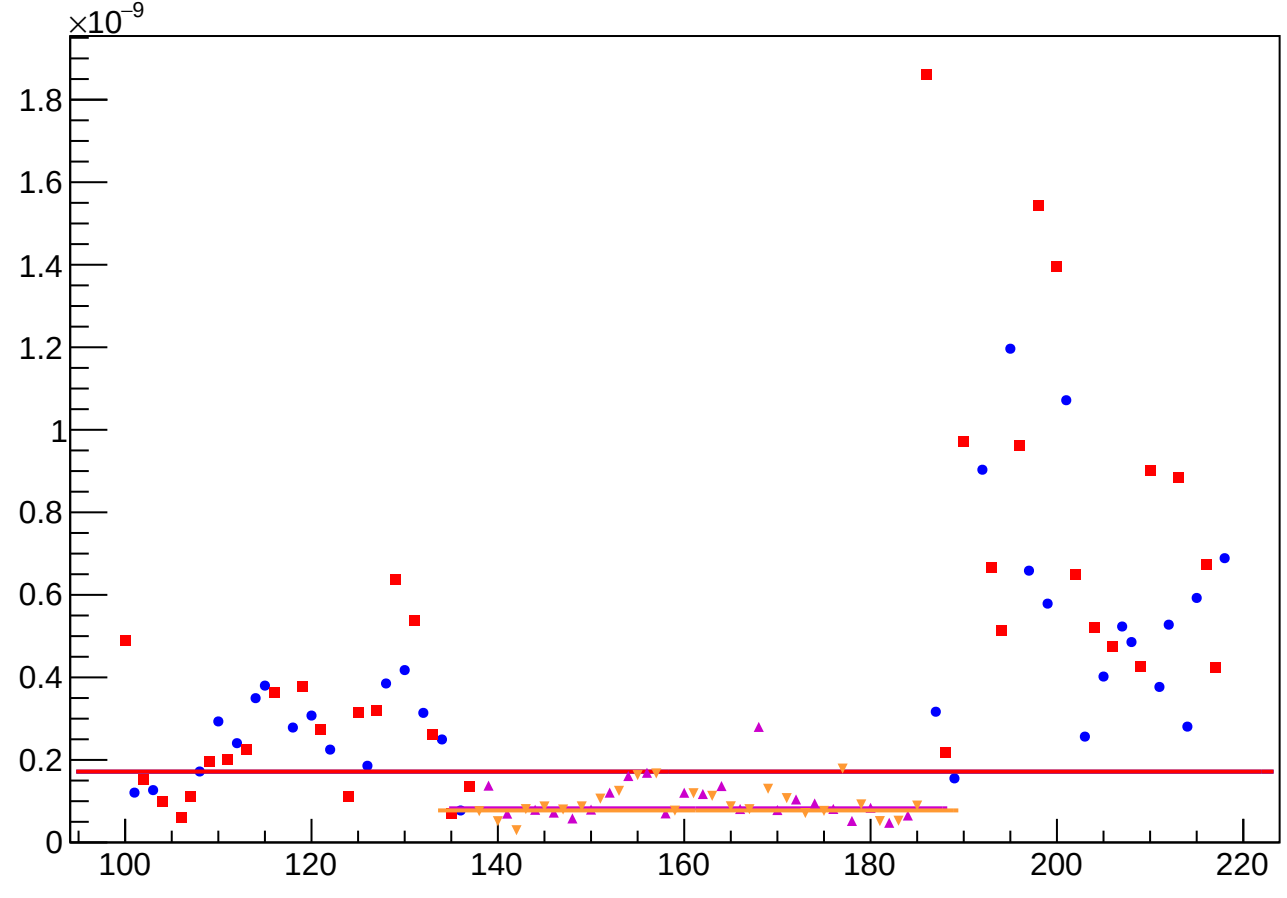
Right: 6249.950+/-0.735 χ^2/NDF: 8182482.8/66

In: 5828.595+/-0.688 χ^2/NDF:4854555.9/54

Out: 5673.361+/-0.667 χ^2/NDF:6168251.2/59

All: 5748.534+/-0.479 χ^2/NDF: 11049067.5/1


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
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: 36.6/34
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: 77.2/66
In: -0.000+/-0.000 χ²/NDF:57.3/54
Out: 0.000+/-0.000 χ²/NDF:57.8/59
All: -0.000+/-0.000 χ²/NDF: 118.1/114



Right In: 0.000+/-0.000 χ^2/NDF: 6513578.0/31

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8387558.9/34

Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

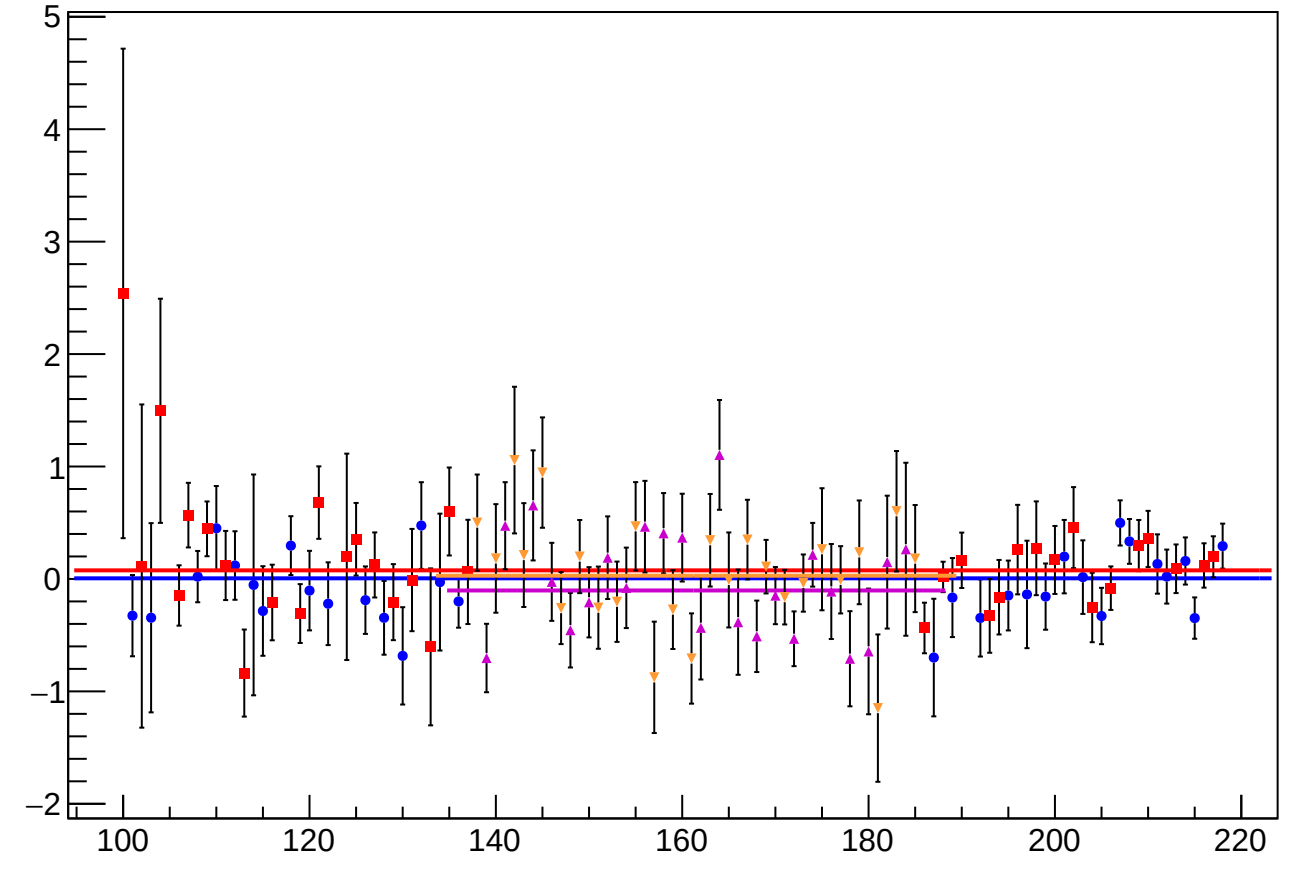
Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

Right: 0.000+/-0.000 χ^2/NDF: 14901149.7/66

In: 0.000+/-0.000 χ^2/NDF:10160600.2/54

Out: 0.000+/-0.000 χ^2/NDF:12232408.6/59

All: 0.000+/-0.000 χ^2/NDF: 22447241.5/114



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: 0.076+/-0.048 χ^2/NDF: 39.1/34

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

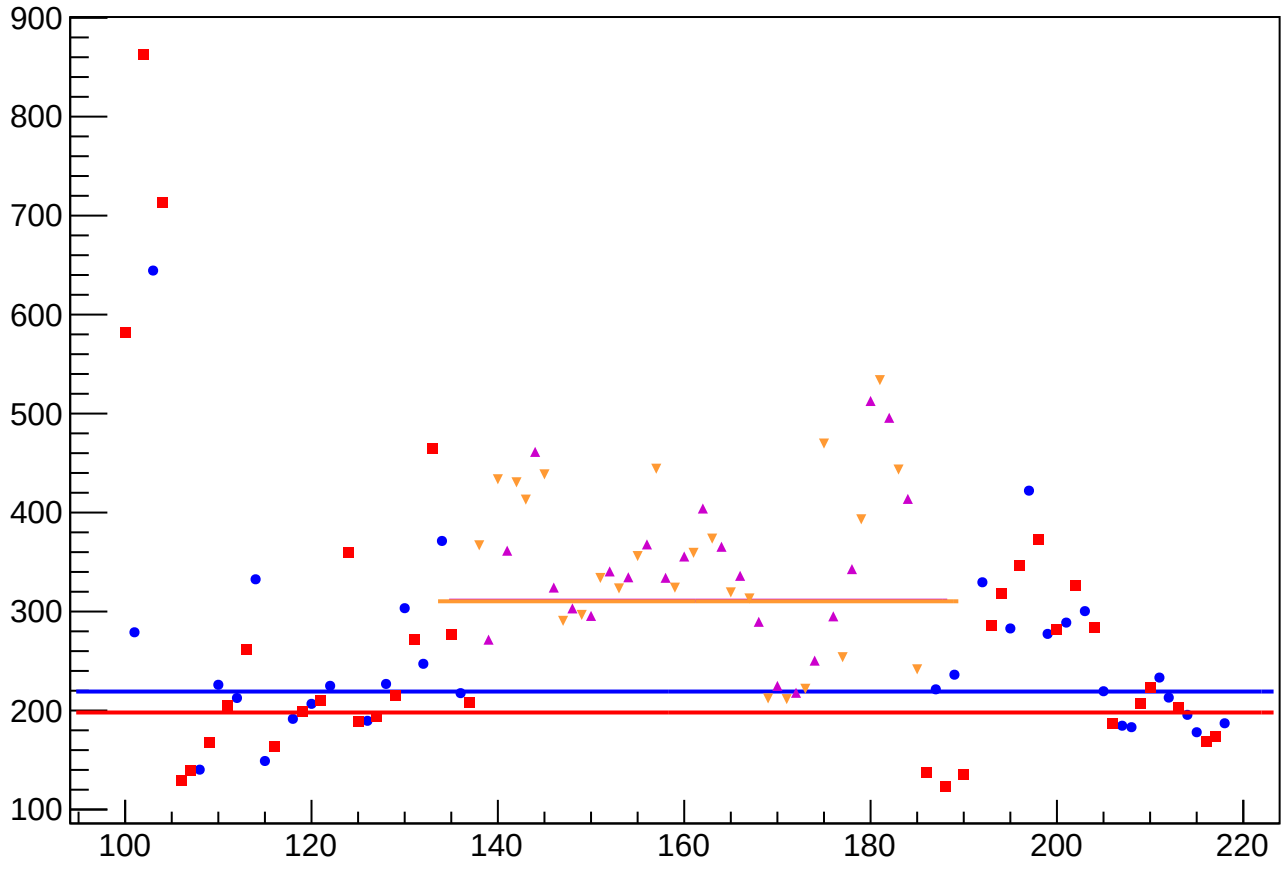
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.043+/-0.035 χ^2/NDF: 72.4/66

In: -0.028+/-0.043 χ^2/NDF:66.0/54

Out: 0.062+/-0.040 χ^2/NDF:64.8/59

All: 0.020+/-0.029 χ^2/NDF: 133.1/114



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: 198.007+/-0.034 χ^2/NDF: 4448548.8/34

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

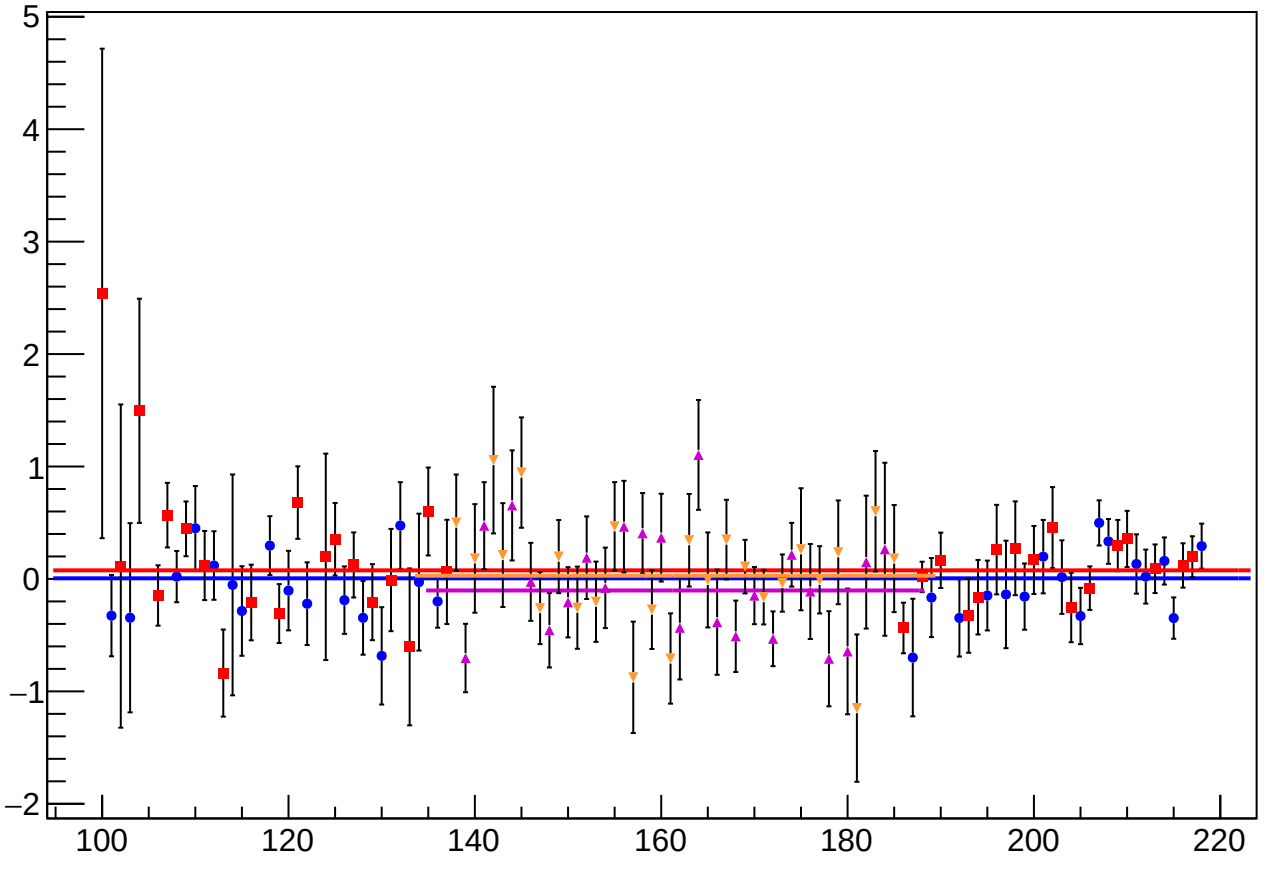
Right: 207.848+/-0.025 χ^2/NDF: 7038335.2/66

In: 247.925+/-0.030 χ^2/NDF:5999485.3/54

Out: 230.865+/-0.029 χ^2/NDF:10015569.6/59

All: 238.924+/-0.021 χ^2/NDF: 16183675.8/11

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: 0.076+/-0.048 χ^2/NDF: 39.1/34

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

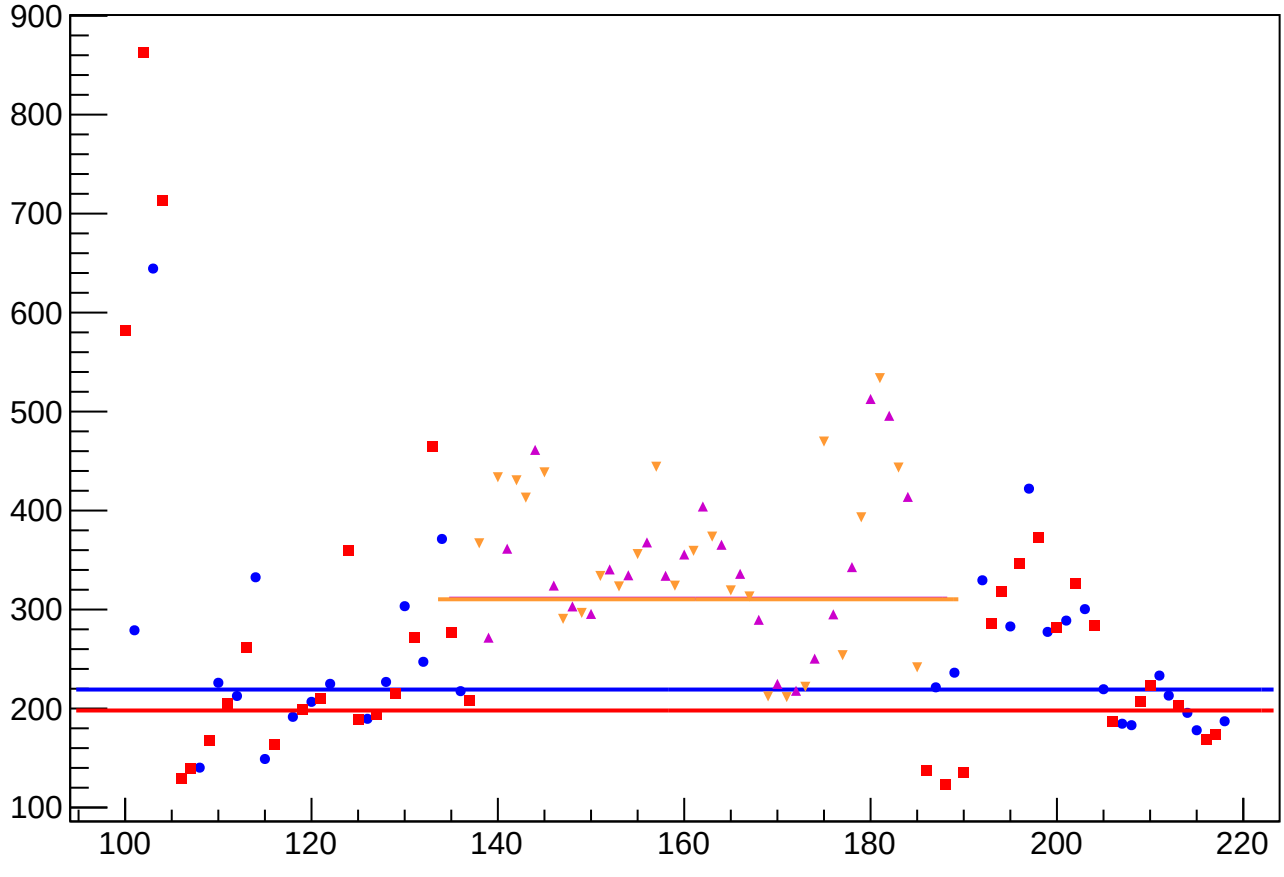
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.043+/-0.035 χ^2/NDF: 72.4/66

In: -0.028+/-0.043 χ^2/NDF:66.0/54

Out: 0.062+/-0.040 χ^2/NDF:64.8/59

All: 0.020+/-0.029 χ^2/NDF: 133.1/114



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: 198.007+/-0.034 χ^2/NDF: 4448548.8/34

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

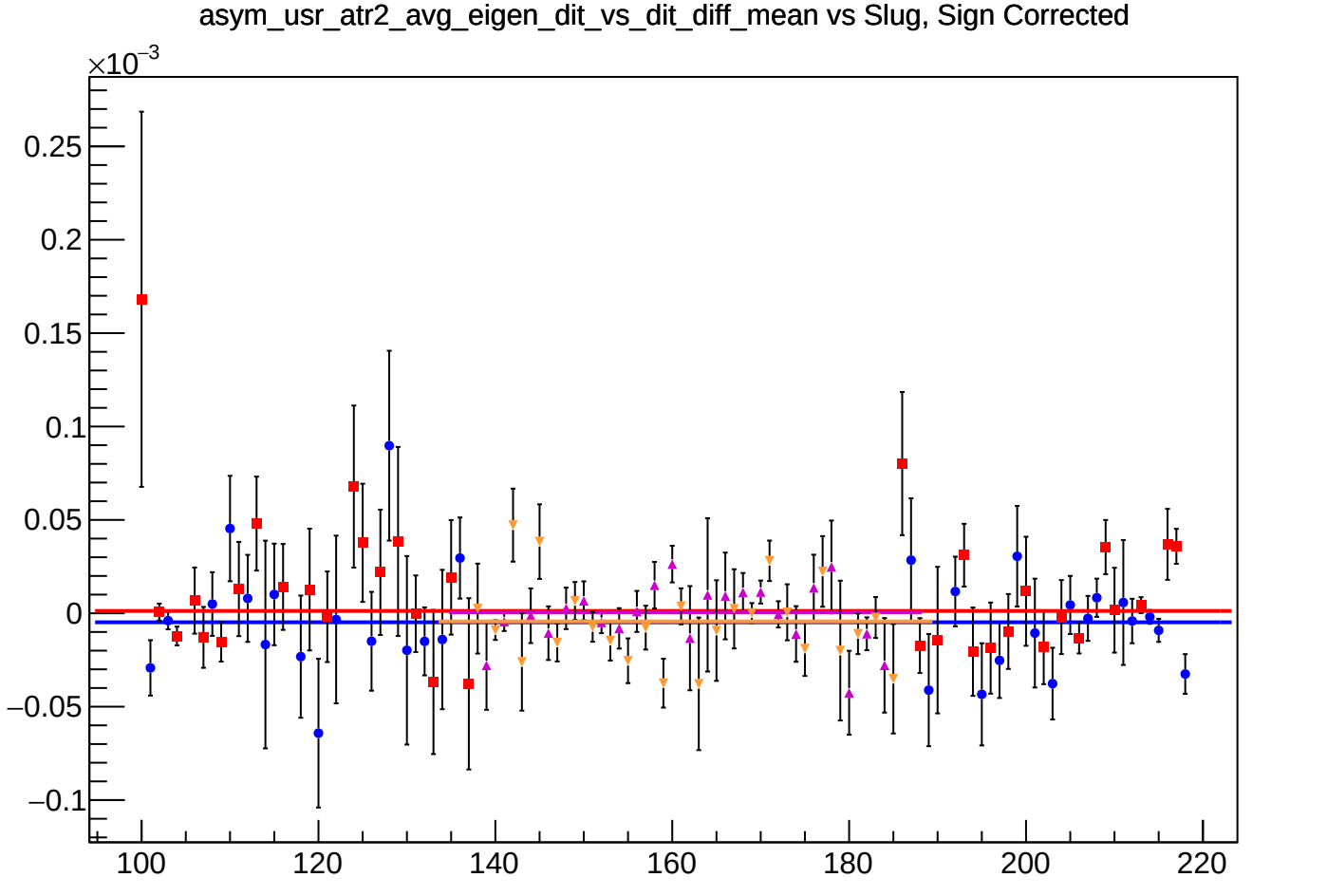
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

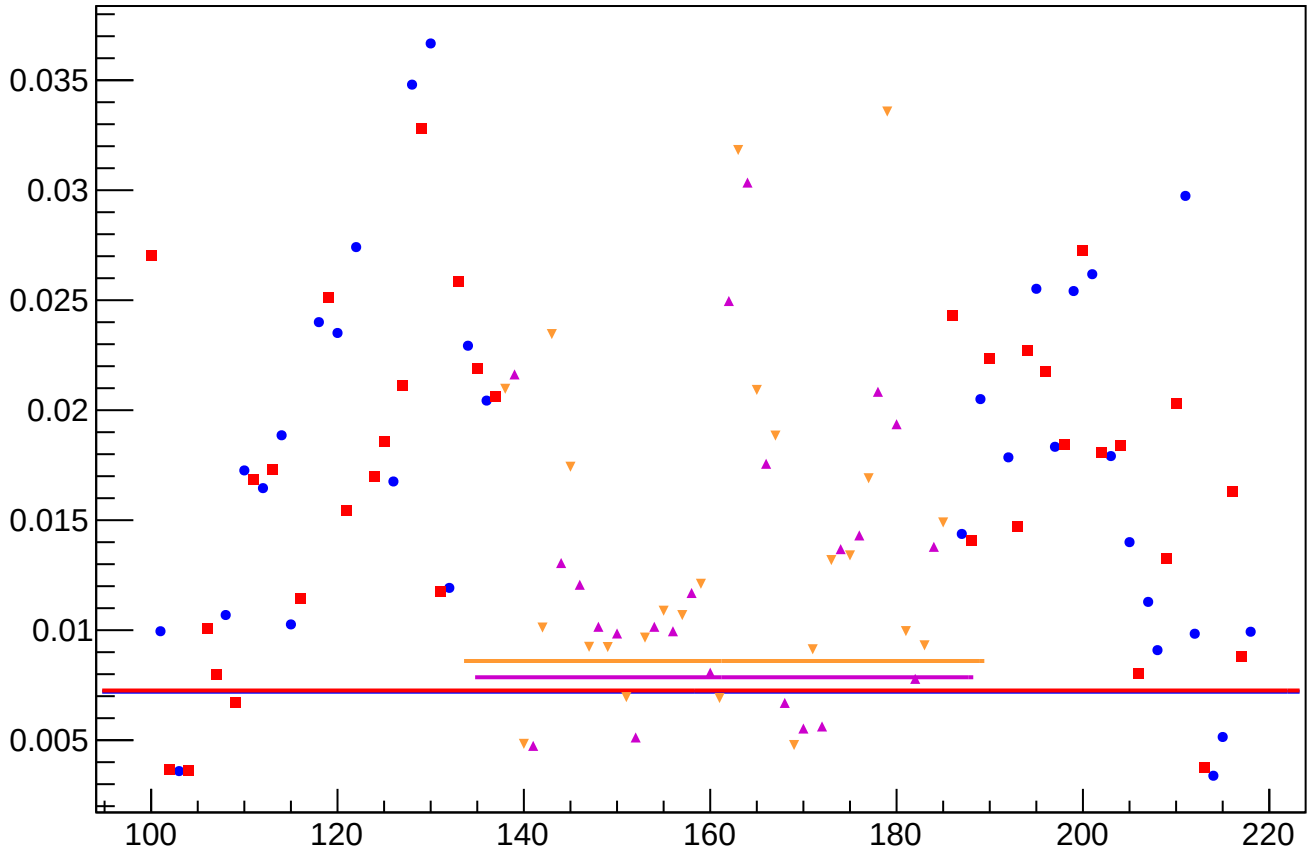
Right: 207.848+/-0.025 χ^2/NDF: 7038335.2/66

In: 247.925+/-0.030 χ^2/NDF:5999485.3/54

Out: 230.865+/-0.029 χ^2/NDF:10015569.6/59

All: 238.924+/-0.021 χ^2/NDF: 16183675.8/11


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 37.0/31
Left Out: -0.000+/-0.000 χ²/NDF:42.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 62.4/34
Left In: 0.000+/-0.000 χ²/NDF:26.6/22
Left: -0.000+/-0.000 χ²/NDF: 71.4/47
Right: -0.000+/-0.000 χ²/NDF: 103.6/66
In: -0.000+/-0.000 χ²/NDF:66.8/54
Out: -0.000+/-0.000 χ²/NDF:108.1/59
All: -0.000+/-0.000 χ²/NDF: 175.0/114



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: 15071711.2/34

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

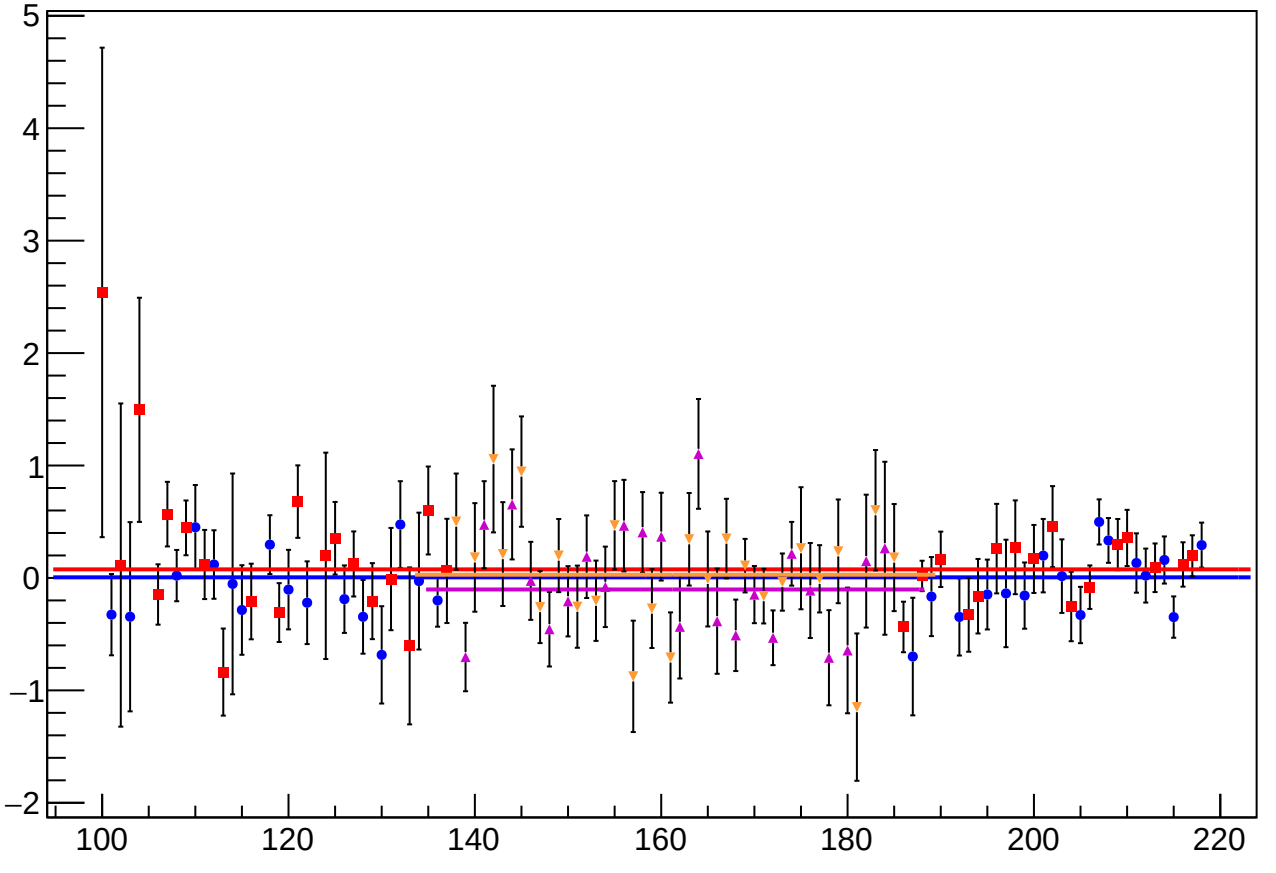
Right: 0.007+/-0.000 χ^2/NDF: 30393707.4/66

In: 0.008+/-0.000 χ^2/NDF:22195563.2/54

Out: 0.008+/-0.000 χ^2/NDF:23108749.0/59

All: 0.008+/-0.000 χ^2/NDF: 45357052.8/114

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: 0.076+/-0.048 χ^2/NDF: 39.1/34

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

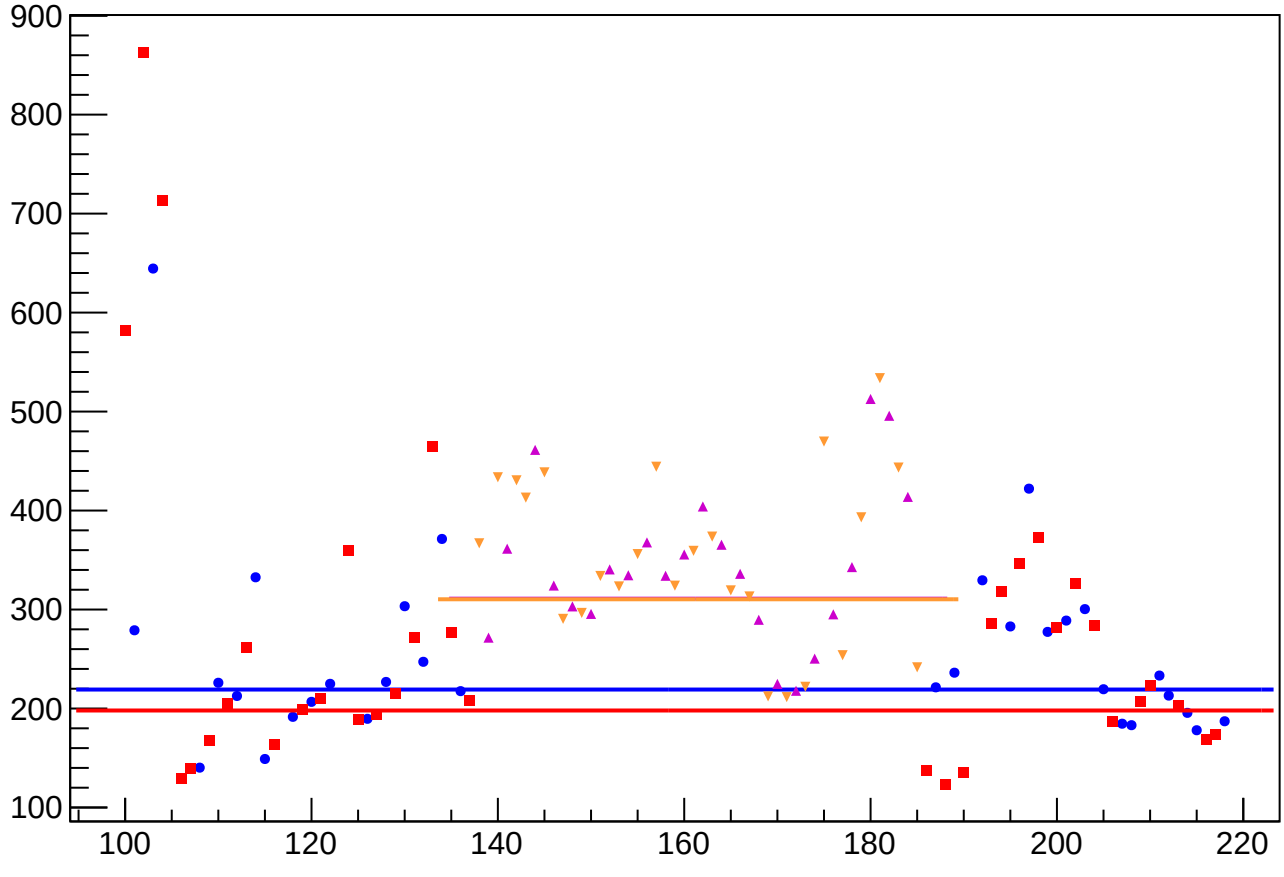
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.043+/-0.035 χ^2/NDF: 72.4/66

In: -0.028+/-0.043 χ^2/NDF:66.0/54

Out: 0.062+/-0.040 χ^2/NDF:64.8/59

All: 0.020+/-0.029 χ^2/NDF: 133.1/114



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: 198.005+/-0.034 χ^2/NDF: 4448682.0/34

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

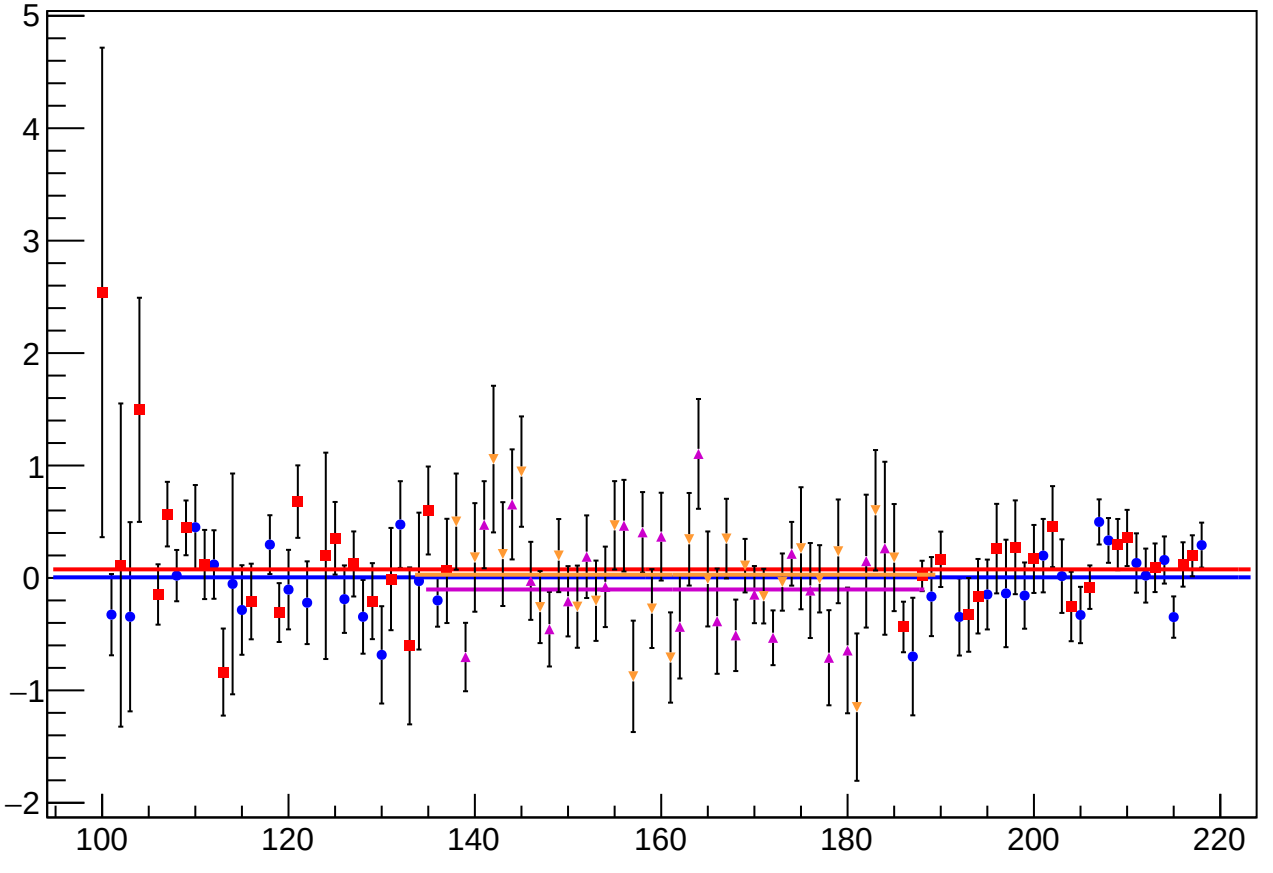
Right: 207.847+/-0.025 χ^2/NDF: 7038495.6/66

In: 247.925+/-0.030 χ^2/NDF:5999653.2/54

Out: 230.864+/-0.029 χ^2/NDF:10016024.9/59

All: 238.923+/-0.021 χ^2/NDF: 16184329.1/11

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: 0.076+/-0.048 χ^2/NDF: 39.1/34

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

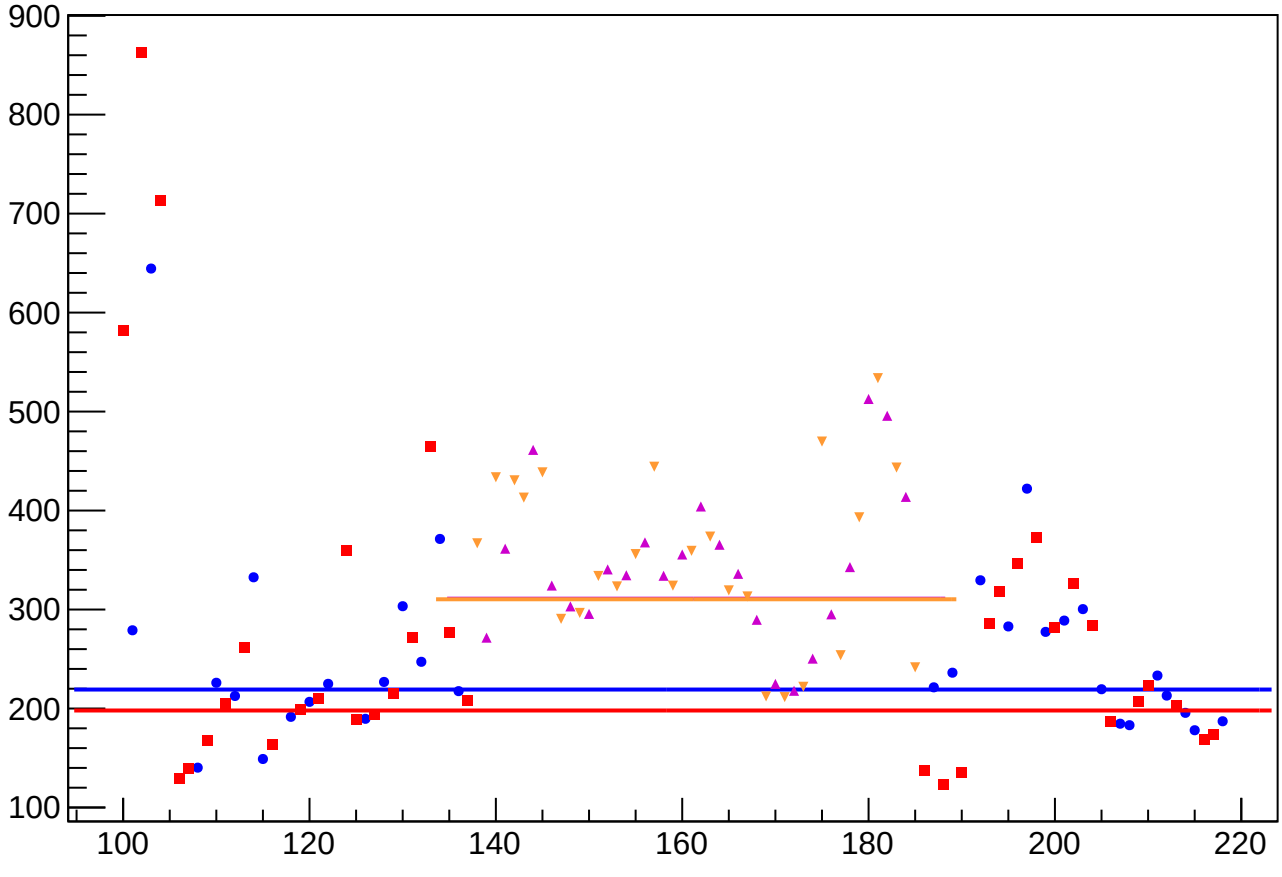
Right: 0.043+/-0.035 χ^2/NDF: 72.4/66

In: -0.028+/-0.043 χ^2/NDF:66.0/54

Out: 0.062+/-0.040 χ^2/NDF:64.8/59

All: 0.020+/-0.029 χ^2/NDF: 133.1/114

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 198.005+/-0.034 χ^2/NDF: 4448682.0/34

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

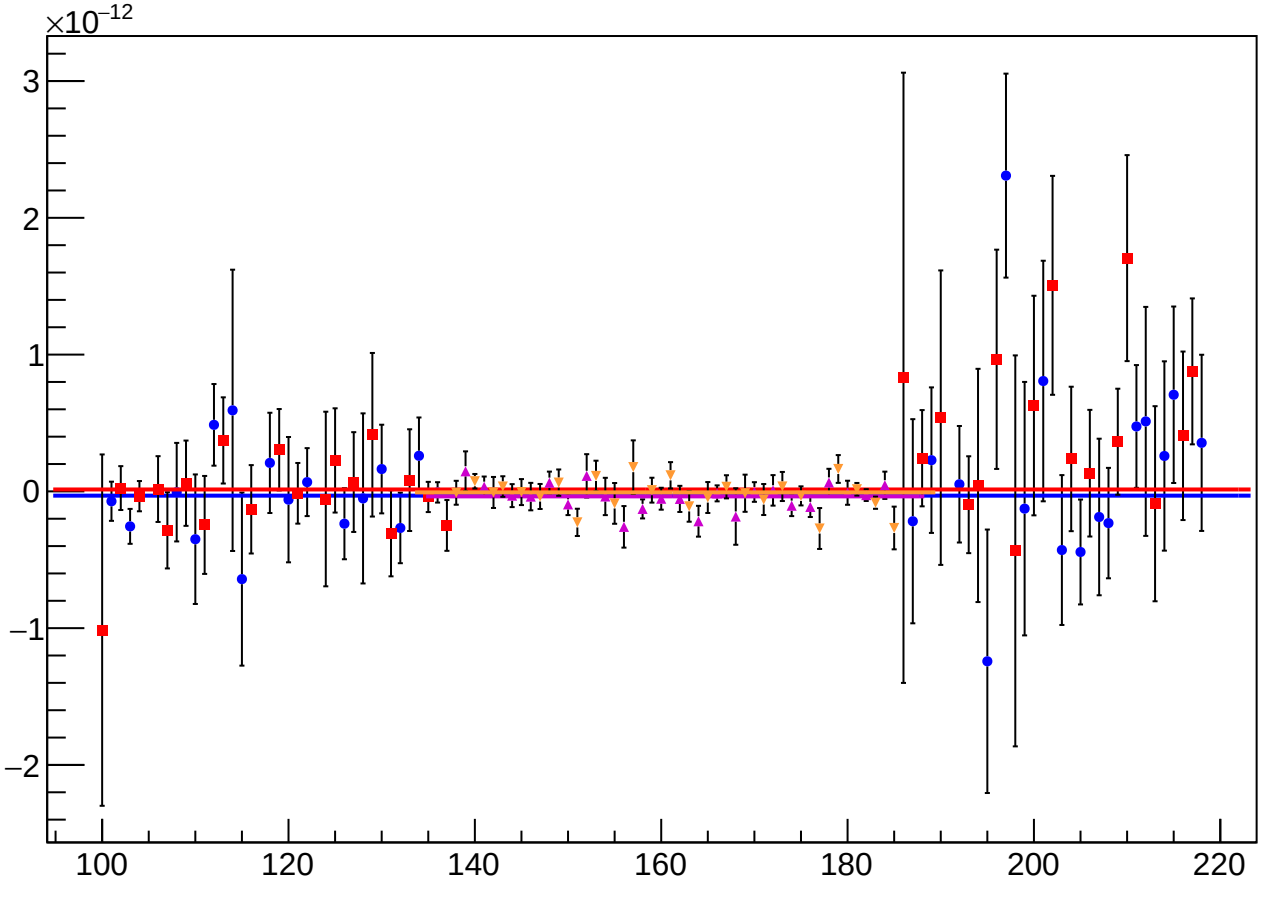
Right: 207.847+/-0.025 χ^2/NDF: 7038495.6/66

In: 247.925+/-0.030 χ^2/NDF:5999653.2/54

Out: 230.864+/-0.029 χ^2/NDF:10016024.9/59

All: 238.923+/-0.021 χ^2/NDF: 16184329.1/11

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 29.8/31

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/34

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

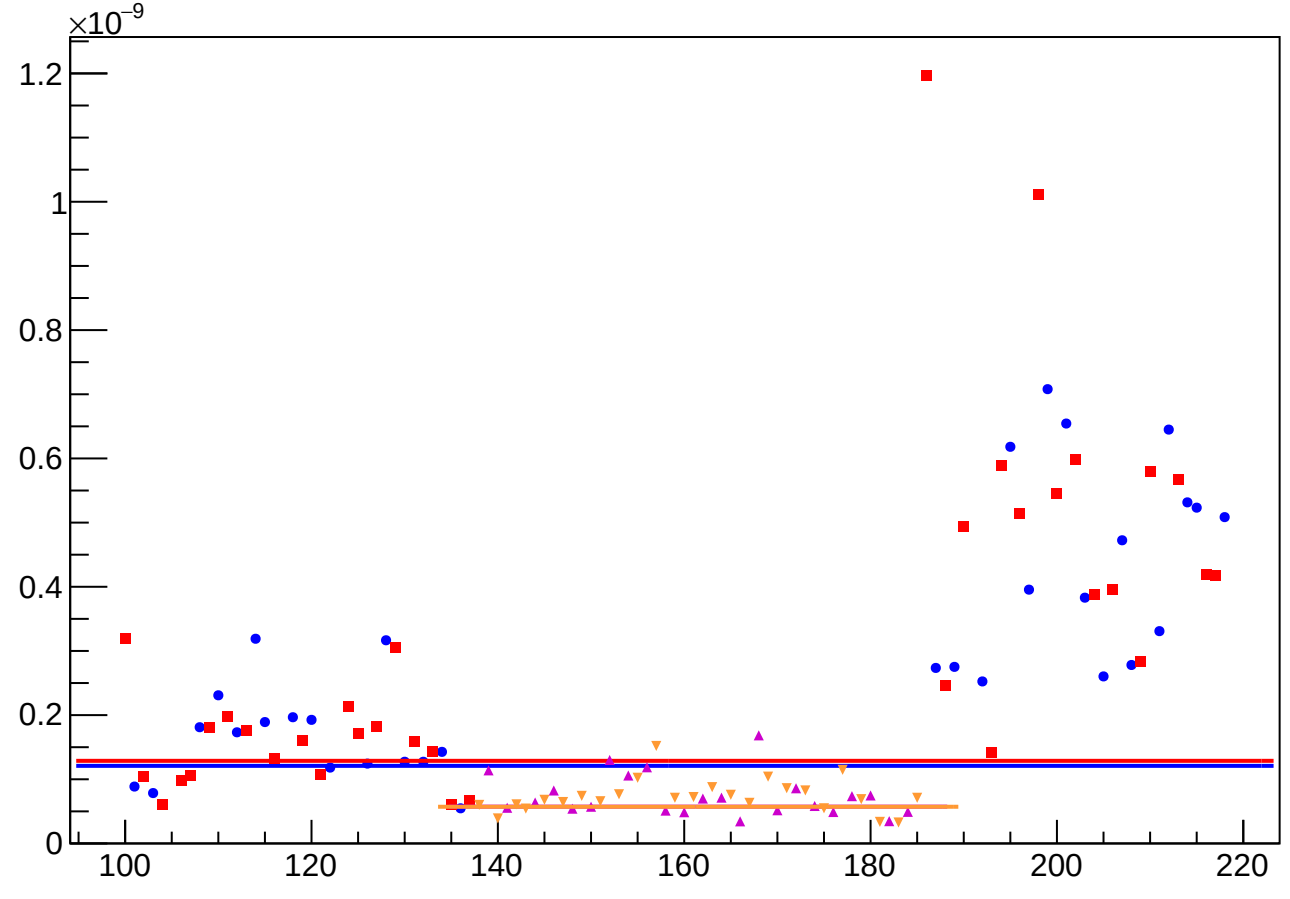
Left: -0.000+/-0.000 χ^2/NDF: 44.0/47

Right: -0.000+/-0.000 χ^2/NDF: 54.9/66

In: -0.000+/-0.000 χ^2/NDF:46.5/54

Out: -0.000+/-0.000 χ^2/NDF:50.7/59

All: -0.000+/-0.000 χ^2/NDF: 99.0/114



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: 10302960.6/34

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

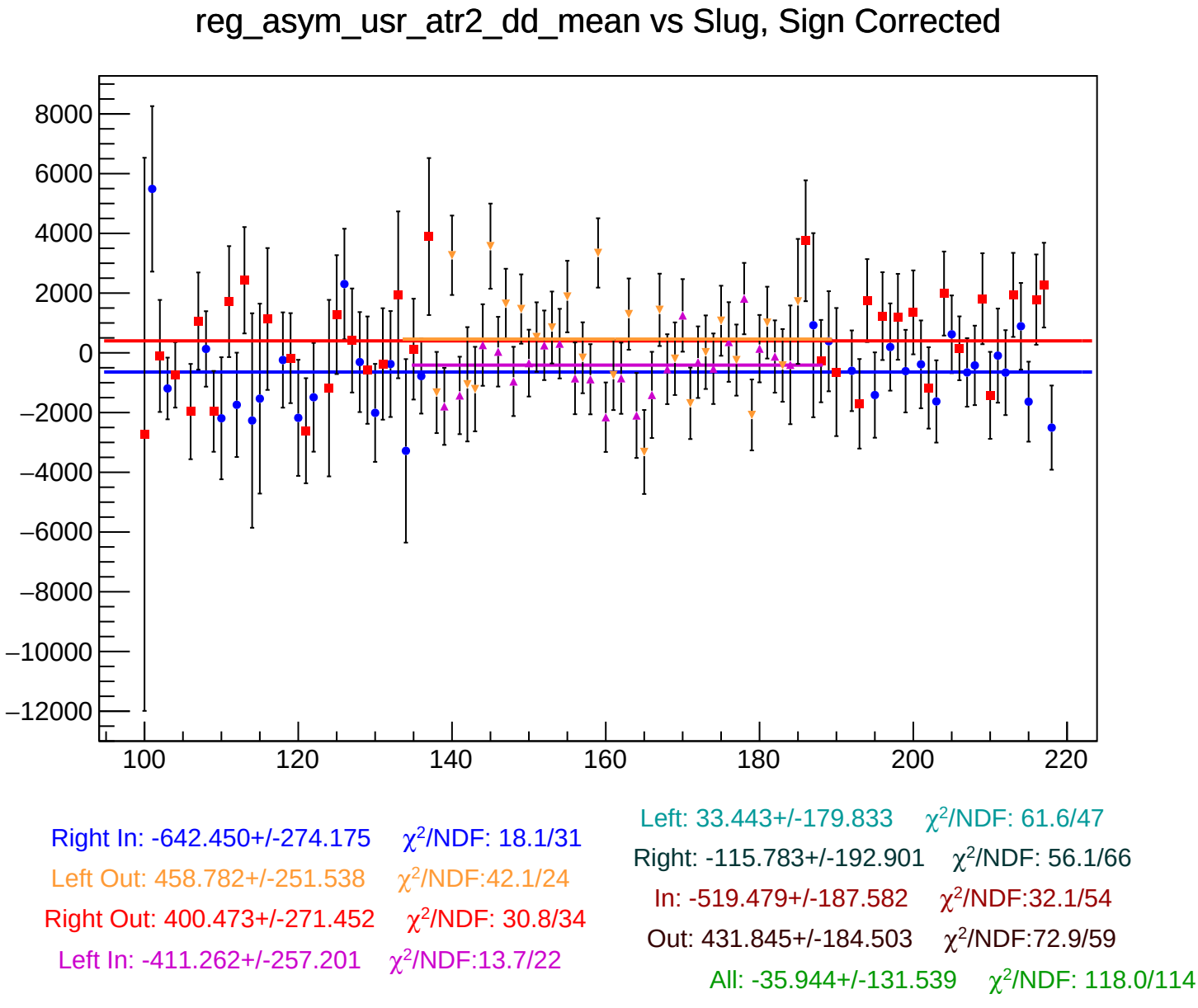
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

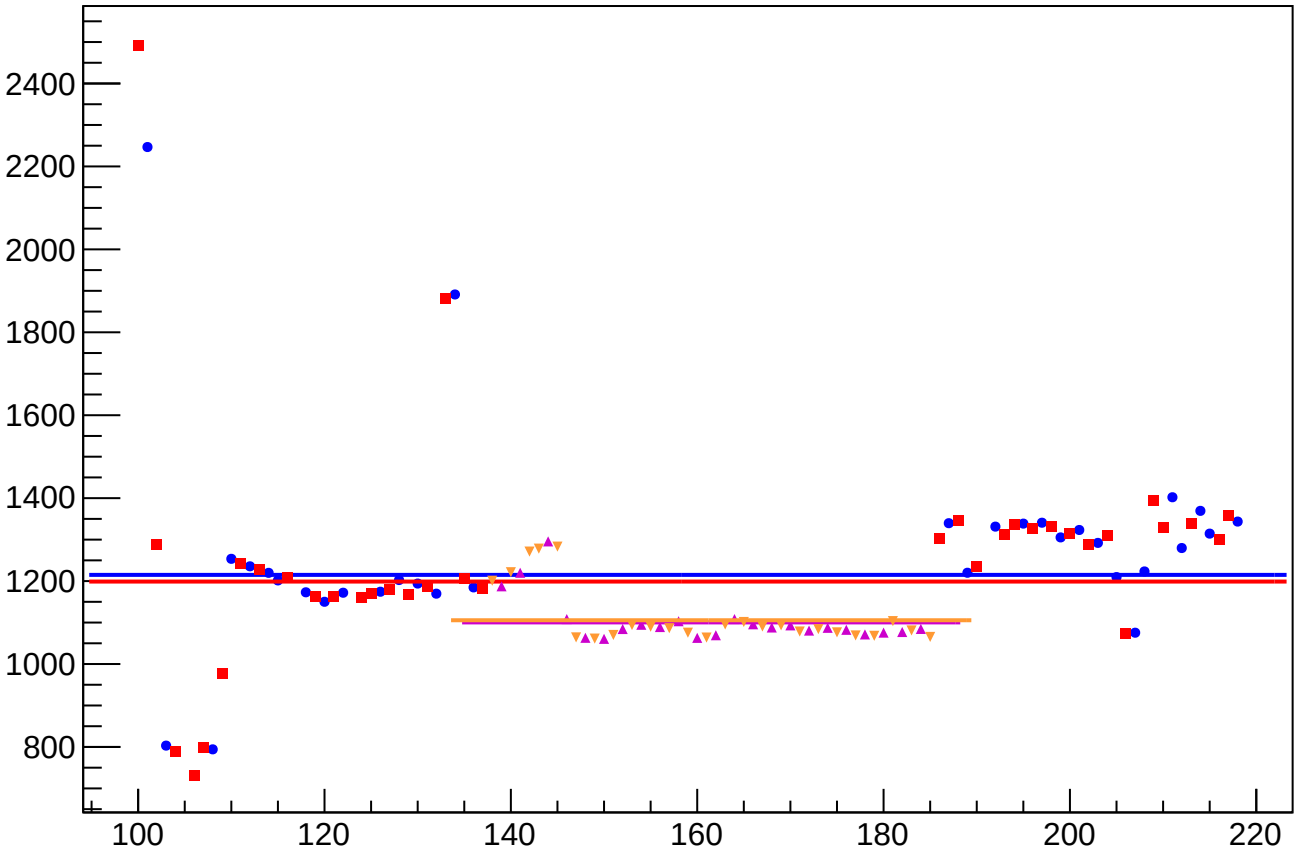
Right: 0.000+/-0.000 χ^2/NDF: 20891584.5/66

In: 0.000+/-0.000 χ^2/NDF:17057385.1/54

Out: 0.000+/-0.000 χ^2/NDF:17452050.7/59

All: 0.000+/-0.000 χ^2/NDF: 34509461.7/114


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: 400.473+/-271.452 χ²/NDF: 30.8/34
Left In: -411.262+/-257.201 χ²/NDF:13.7/22
Left: 33.443+/-179.833 χ²/NDF: 61.6/47
Right: -115.783+/-192.901 χ²/NDF: 56.1/66
In: -519.479+/-187.582 χ²/NDF:32.1/54
Out: 431.845+/-184.503 χ²/NDF:72.9/59
All: -35.944+/-131.539 χ²/NDF: 118.0/114



Right In: 1214.974+/-0.194 χ^2/NDF: 1109413.9/31

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1198.865+/-0.191 χ^2/NDF: 1092772.3/34

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

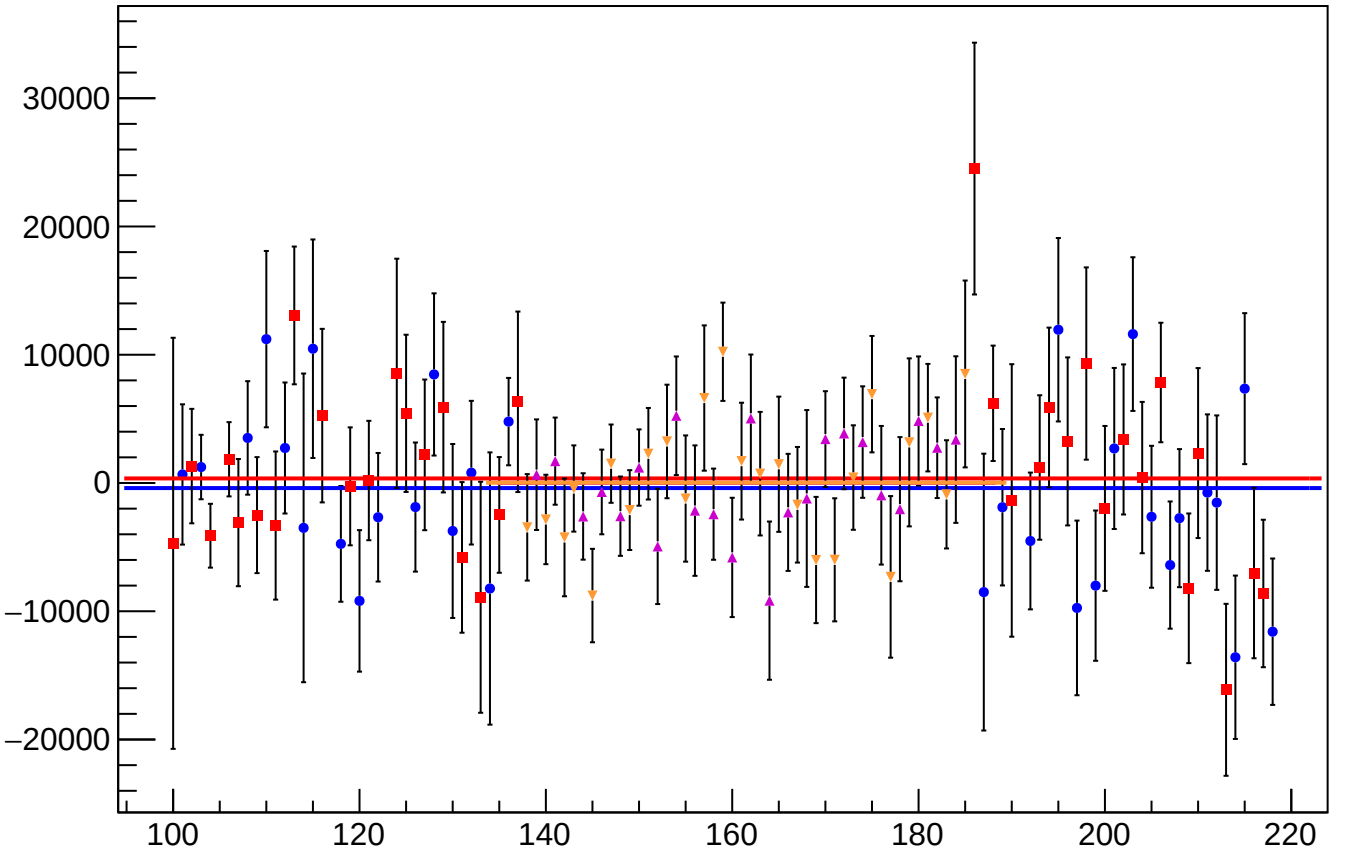
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1206.809+/-0.136 χ^2/NDF: 2205685.3/66

In: 1154.004+/-0.133 χ^2/NDF:1375589.5/54

Out: 1148.827+/-0.130 χ^2/NDF:1342380.9/59

All: 1151.369+/-0.093 χ^2/NDF: 2718745.8/11



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: 355.394+/-902.201 χ^2/NDF: 41.8/34

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

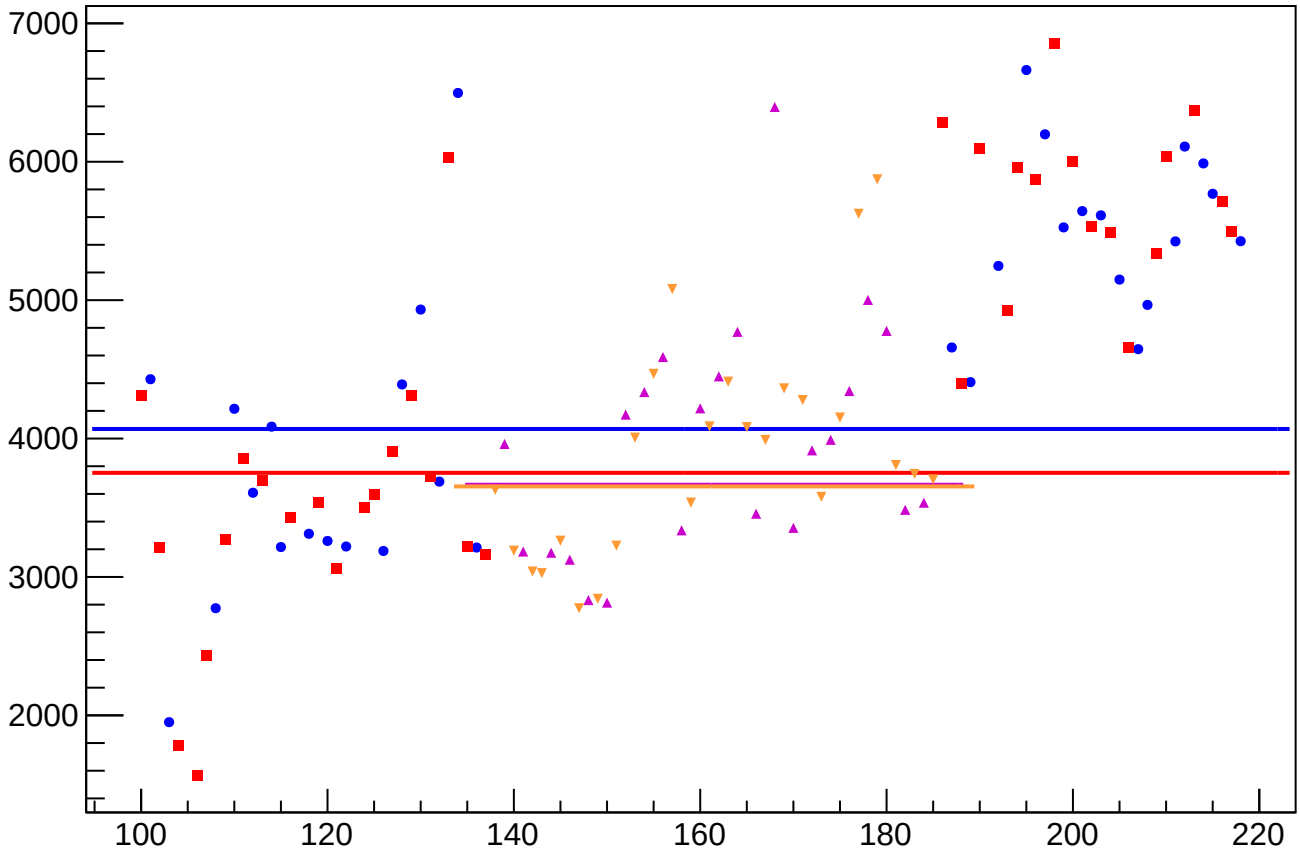
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 1.681+/-656.354 χ^2/NDF: 80.9/66

In: -177.006+/-645.757 χ^2/NDF:52.9/54

Out: 179.577+/-618.828 χ^2/NDF:70.4/59

All: 8.876+/-446.794 χ^2/NDF: 123.4/114



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: 3752.331+/-0.638 χ^2/NDF: 5722138.8/34

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

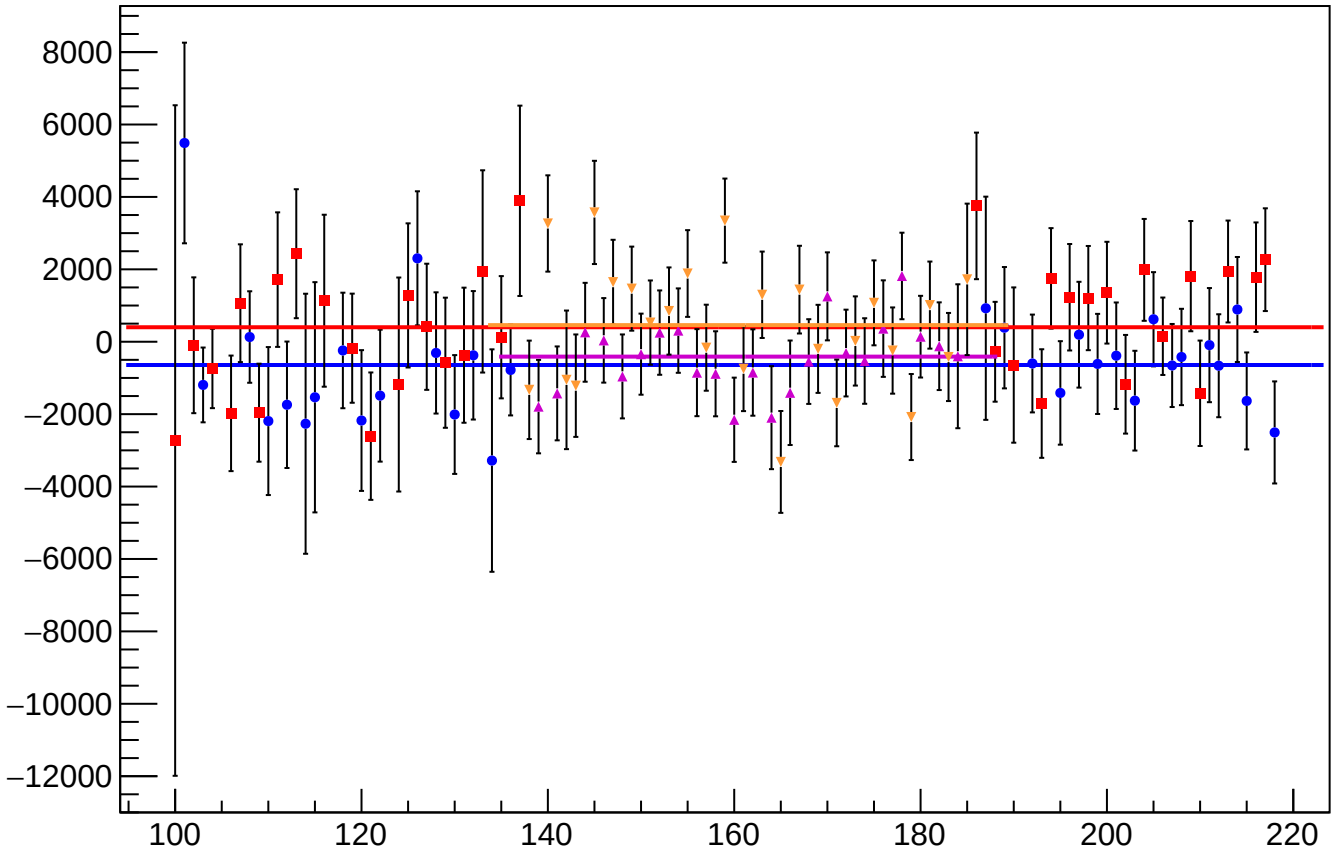
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3901.474+/-0.464 χ^2/NDF: 9822407.0/66

In: 3849.768+/-0.457 χ^2/NDF:5521114.5/54

Out: 3700.367+/-0.438 χ^2/NDF:7046430.3/59

All: 3771.887+/-0.316 χ^2/NDF: 12623350.5/1



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: 400.346+/-271.453 χ^2/NDF: 30.8/34

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

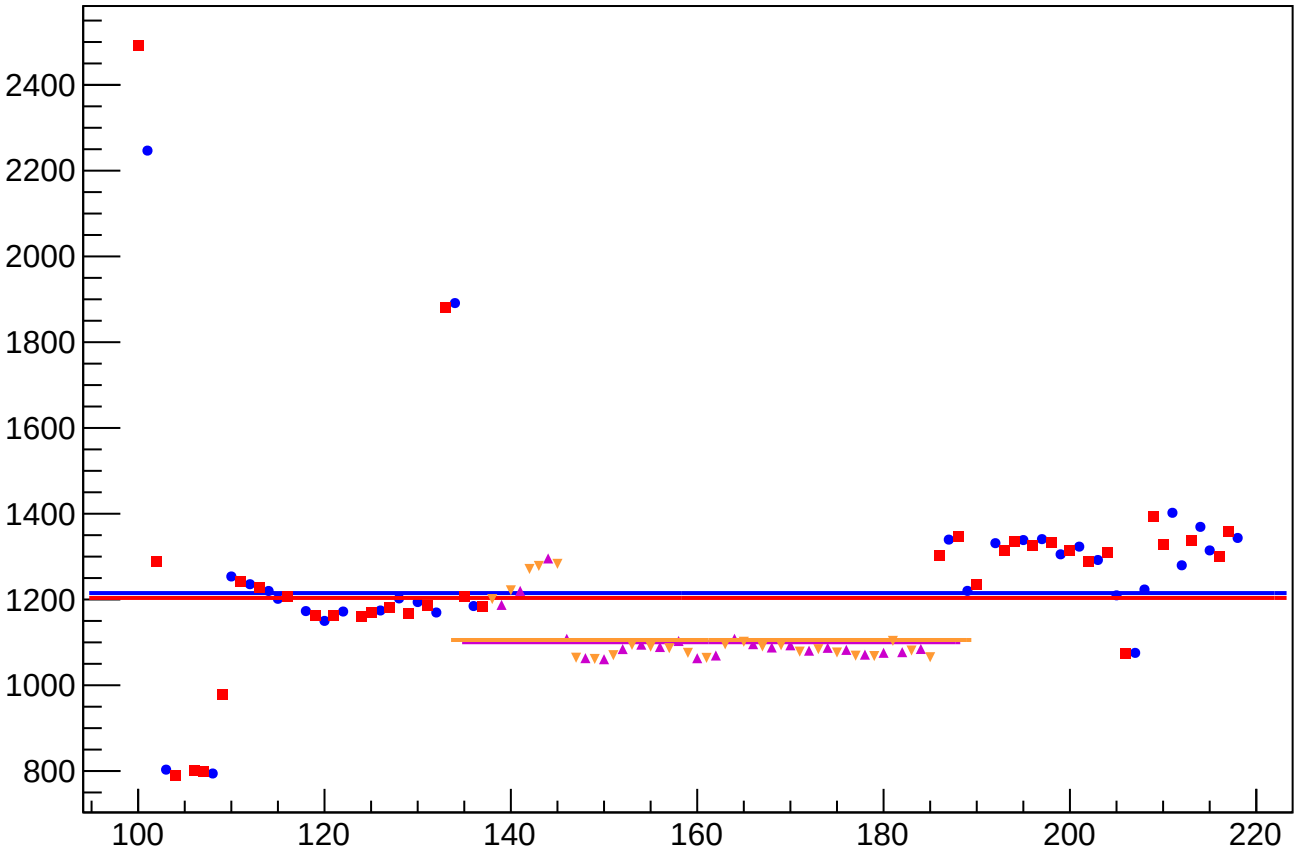
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -115.863+/-192.901 χ^2/NDF: 56.1/66

In: -519.440+/-187.582 χ^2/NDF:32.1/54

Out: 431.819+/-184.503 χ^2/NDF:72.9/59

All: -35.939+/-131.539 χ^2/NDF: 118.1/114



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: 1203.609+/-0.192 χ^2/NDF: 1008882.6/34

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

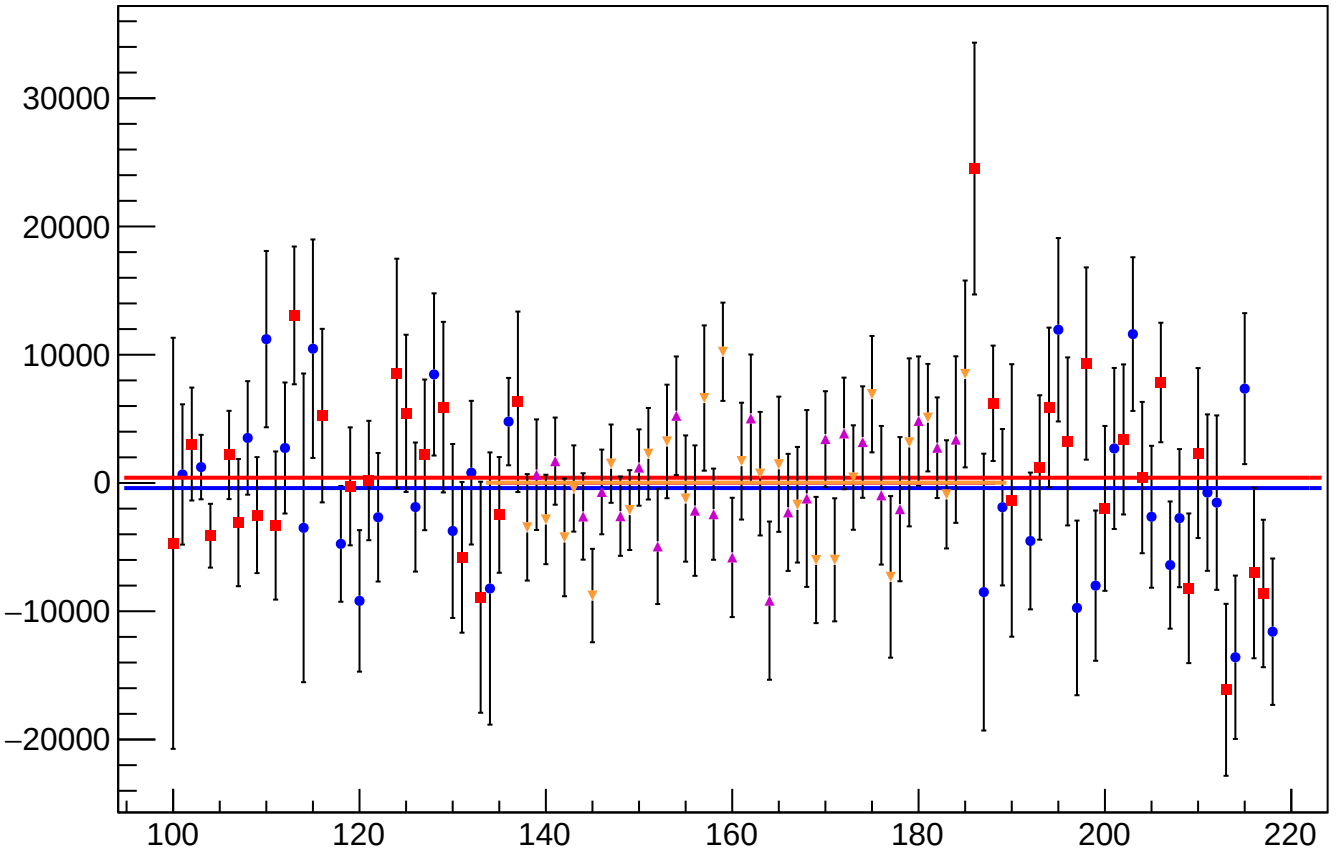
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1209.230+/-0.136 χ^2/NDF: 2120028.3/66

In: 1154.004+/-0.133 χ^2/NDF:1375585.5/54

Out: 1150.892+/-0.130 χ^2/NDF:1271380.7/59

All: 1152.422+/-0.093 χ^2/NDF: 2647246.1/11



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: 410.693+/-914.810 χ^2/NDF: 42.2/34

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

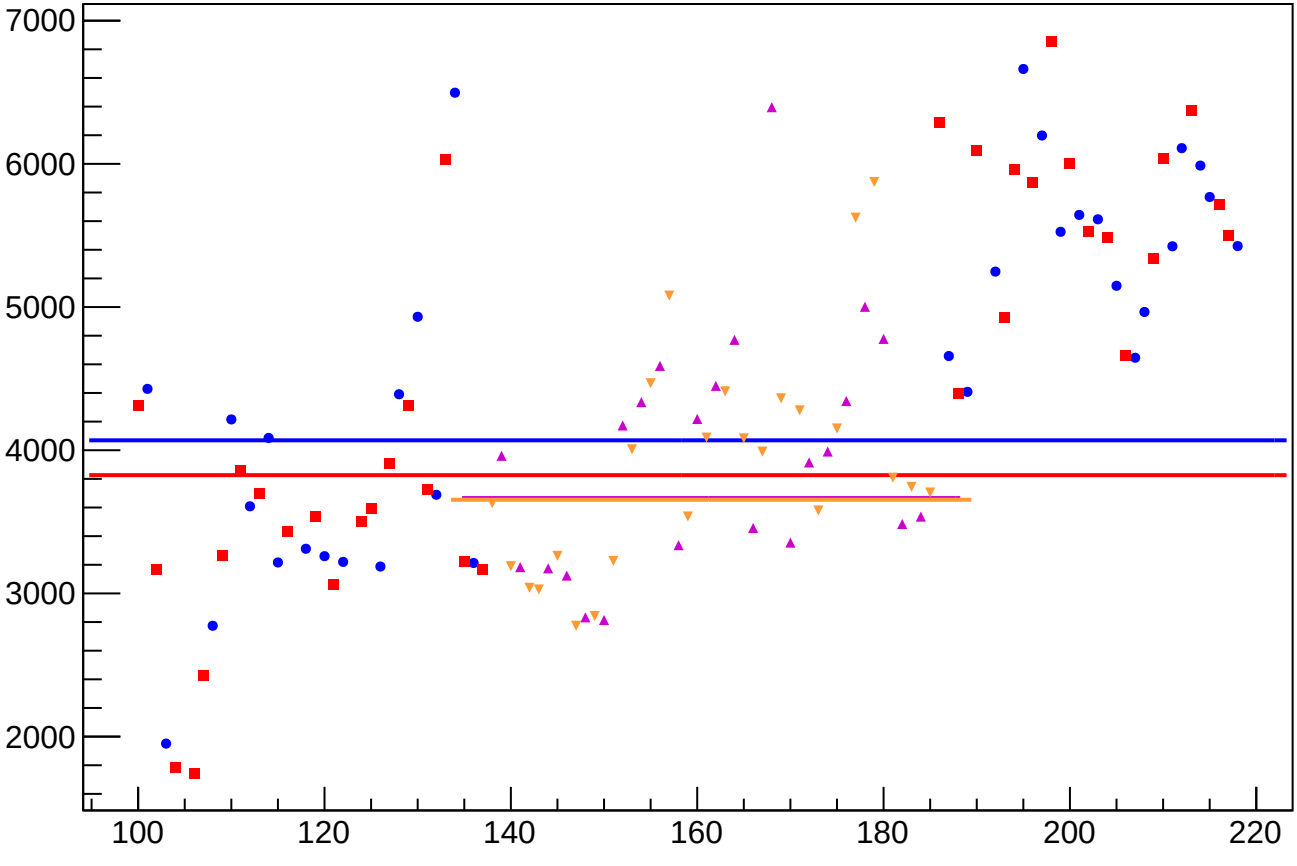
Right: 25.183+/-661.169 χ^2/NDF: 81.3/66

In: -177.156+/-645.764 χ^2/NDF:52.9/54

Out: 202.915+/-622.852 χ^2/NDF:70.7/59

All: 19.742+/-448.304 χ^2/NDF: 123.8/114

asym_usr_atr2_dd_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: 3826.045+/-0.647 χ^2/NDF: 5255652.0/34

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

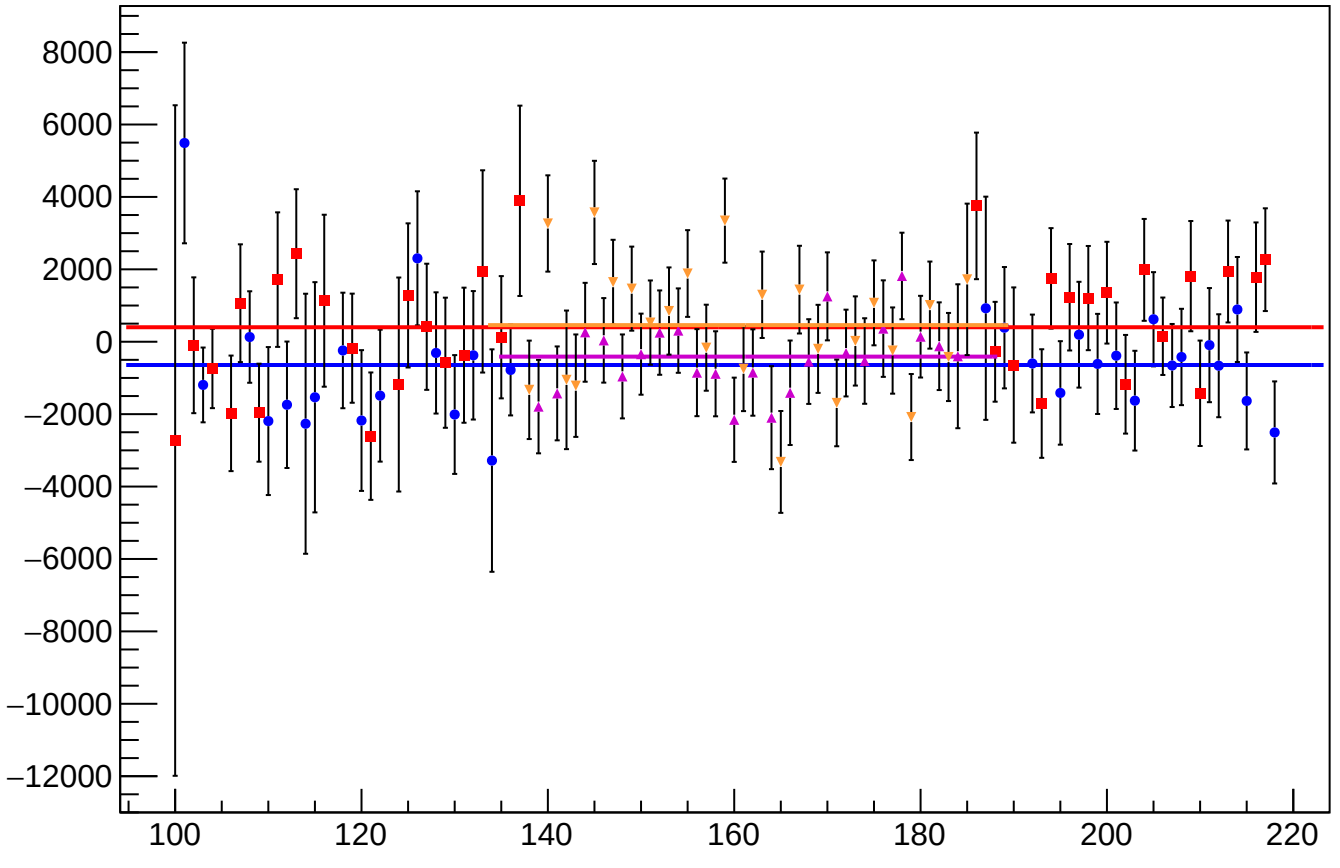
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3942.241+/-0.468 χ^2/NDF: 9306402.1/66

In: 3849.831+/-0.457 χ^2/NDF:5520296.7/54

Out: 3733.858+/-0.440 χ^2/NDF:6605282.0/59

All: 3789.751+/-0.317 χ^2/NDF: 12158996.0/1



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: 400.346+/-271.453 χ^2/NDF: 30.8/34

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

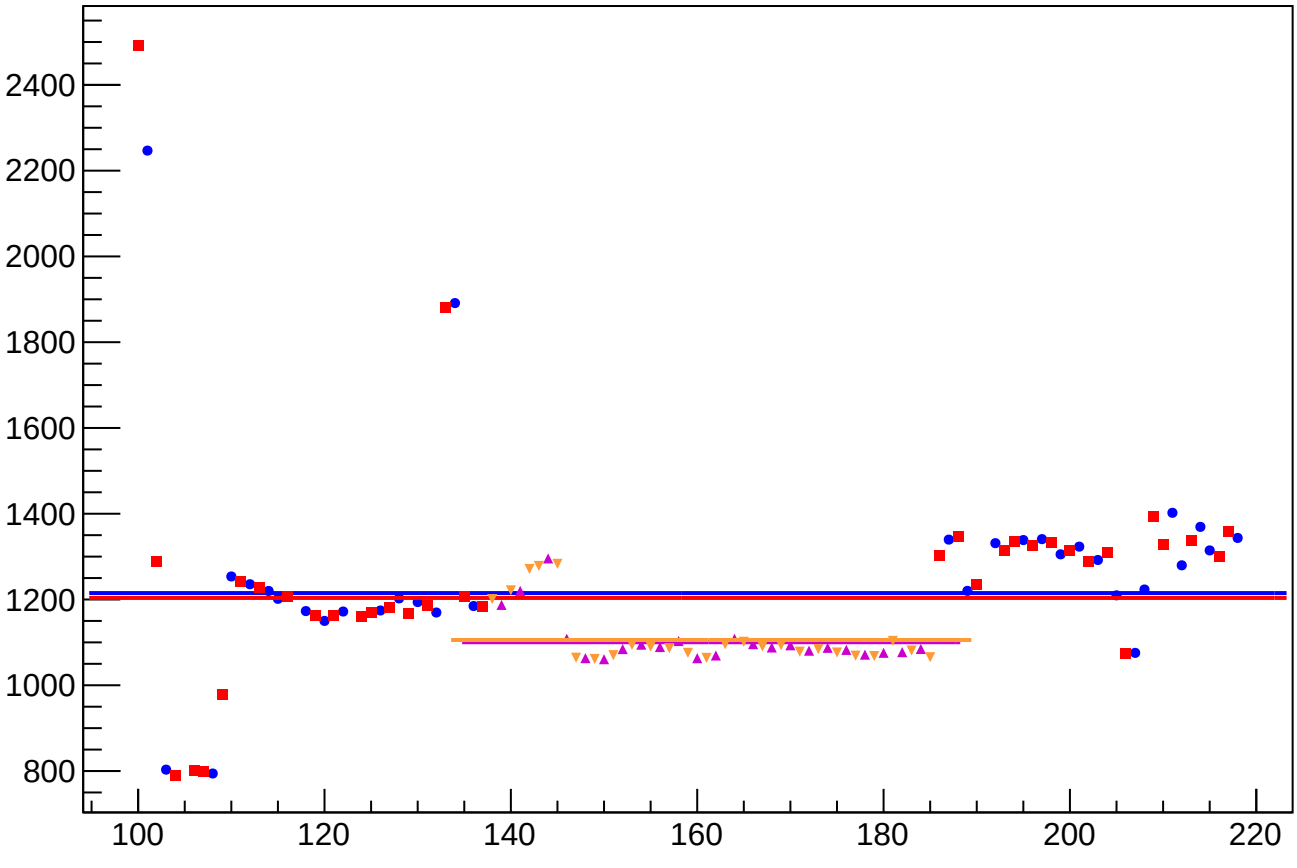
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -115.863+/-192.901 χ^2/NDF: 56.1/66

In: -519.440+/-187.582 χ^2/NDF:32.1/54

Out: 431.819+/-184.503 χ^2/NDF:72.9/59

All: -35.939+/-131.539 χ^2/NDF: 118.1/114



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: 1203.609+/-0.192 χ^2/NDF: 1008882.6/34

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

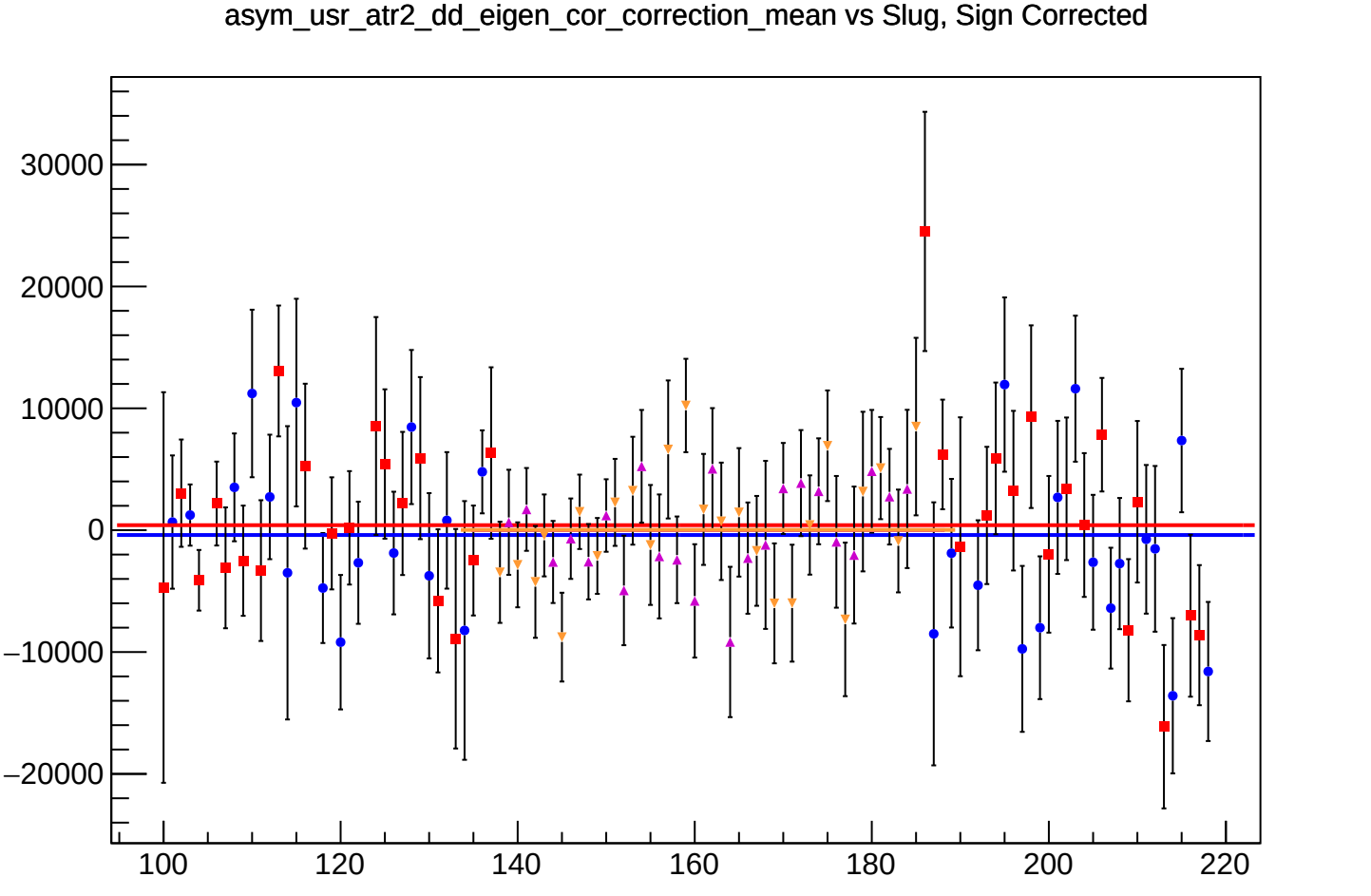
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1209.230+/-0.136 χ^2/NDF: 2120028.3/66

In: 1154.004+/-0.133 χ^2/NDF:1375585.5/54

Out: 1150.892+/-0.130 χ^2/NDF:1271380.7/59

All: 1152.422+/-0.093 χ^2/NDF: 2647246.1/11



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: 410.693+/-914.810 χ^2/NDF: 42.2/34

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

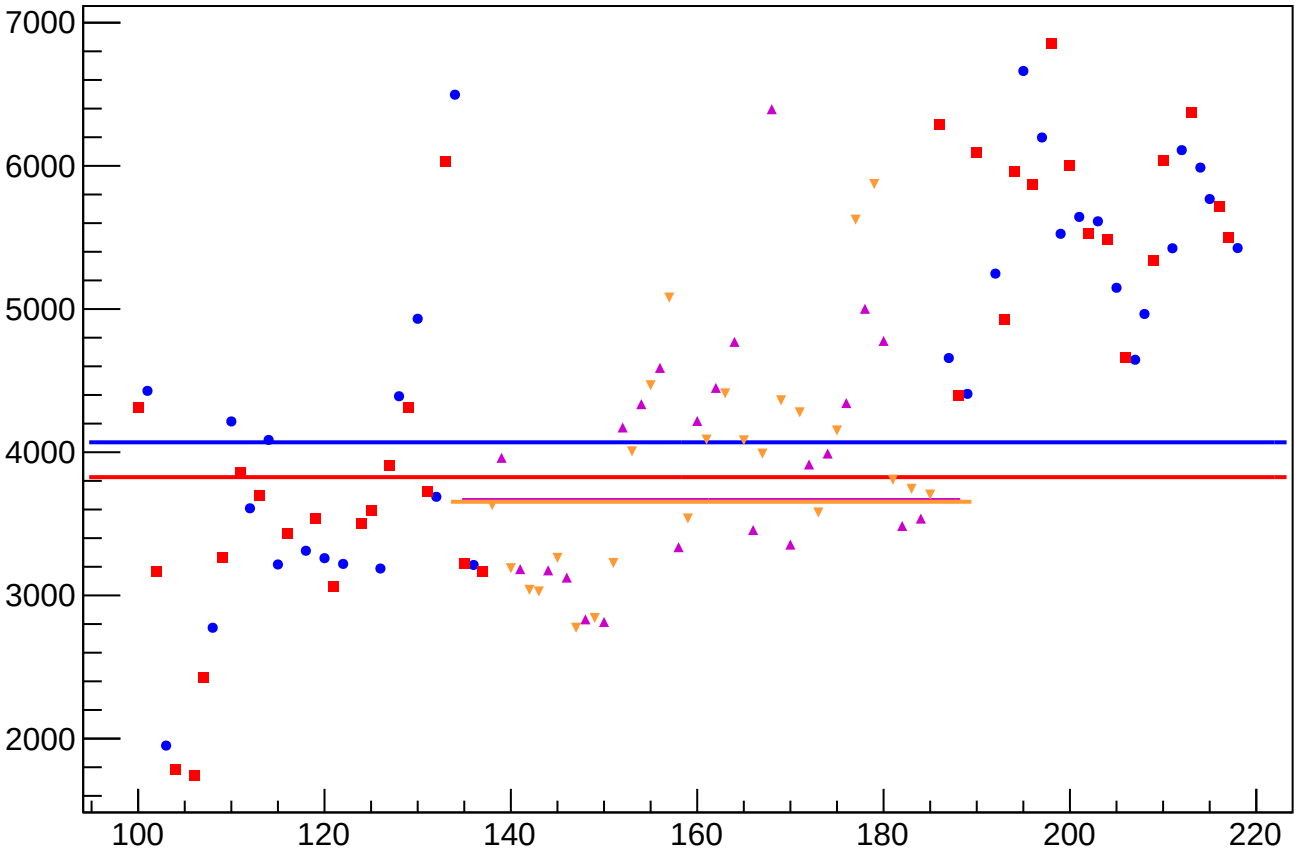
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 25.183+/-661.169 χ^2/NDF: 81.3/66

In: -177.156+/-645.764 χ^2/NDF:52.9/54

Out: 202.915+/-622.852 χ^2/NDF:70.7/59

All: 19.742+/-448.304 χ^2/NDF: 123.8/114



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: 3826.045+/-0.647 χ^2/NDF: 5255652.0/34

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

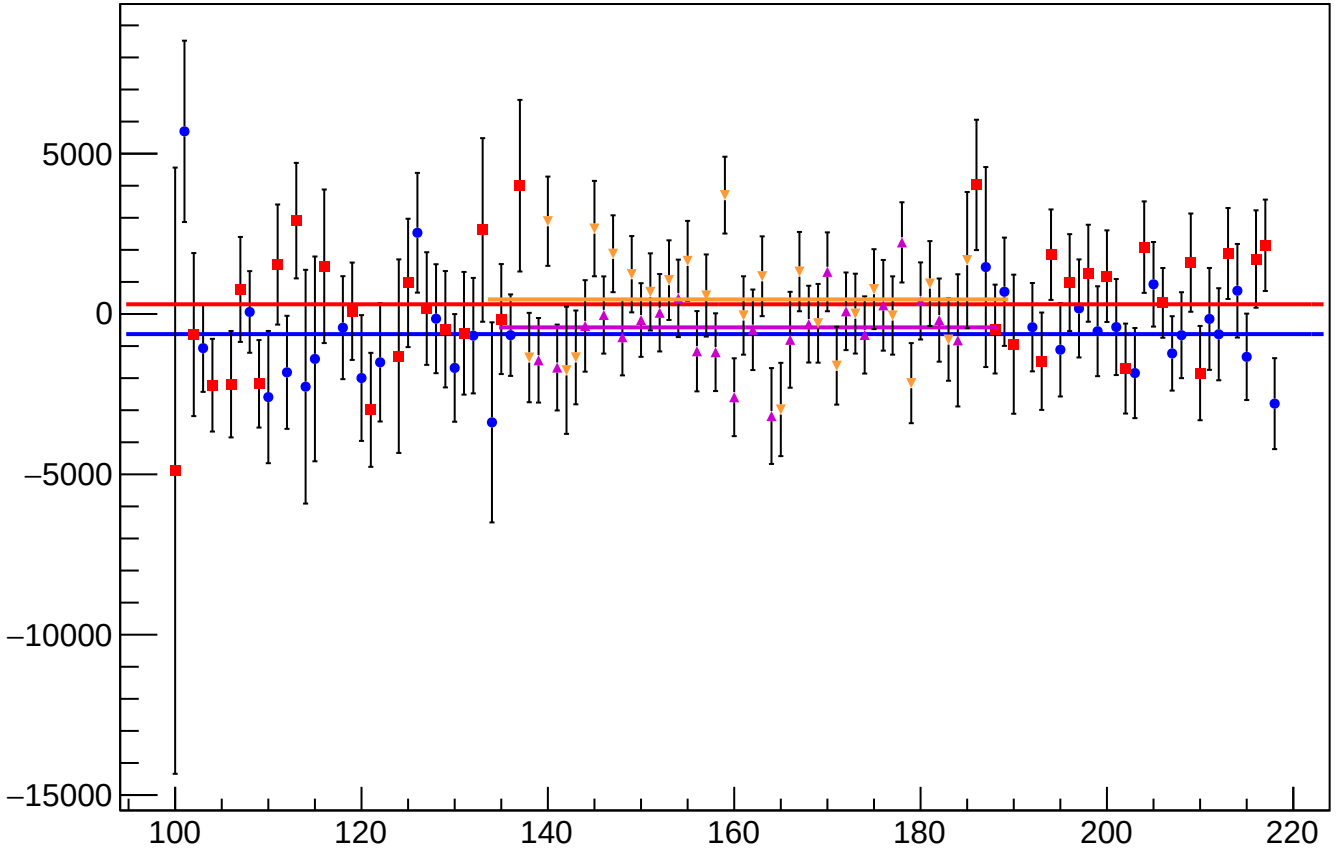
Right: 3942.241+/-0.468 χ^2/NDF: 9306402.1/66

In: 3849.831+/-0.457 χ^2/NDF:5520296.7/54

Out: 3733.858+/-0.440 χ^2/NDF:6605282.0/59

All: 3789.751+/-0.317 χ^2/NDF: 12158996.0/1

dit_asym_usr_atr2_dd_mean vs Slug, Sign Corrected



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: 303.390+/-280.237 χ^2/NDF: 36.6/34

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

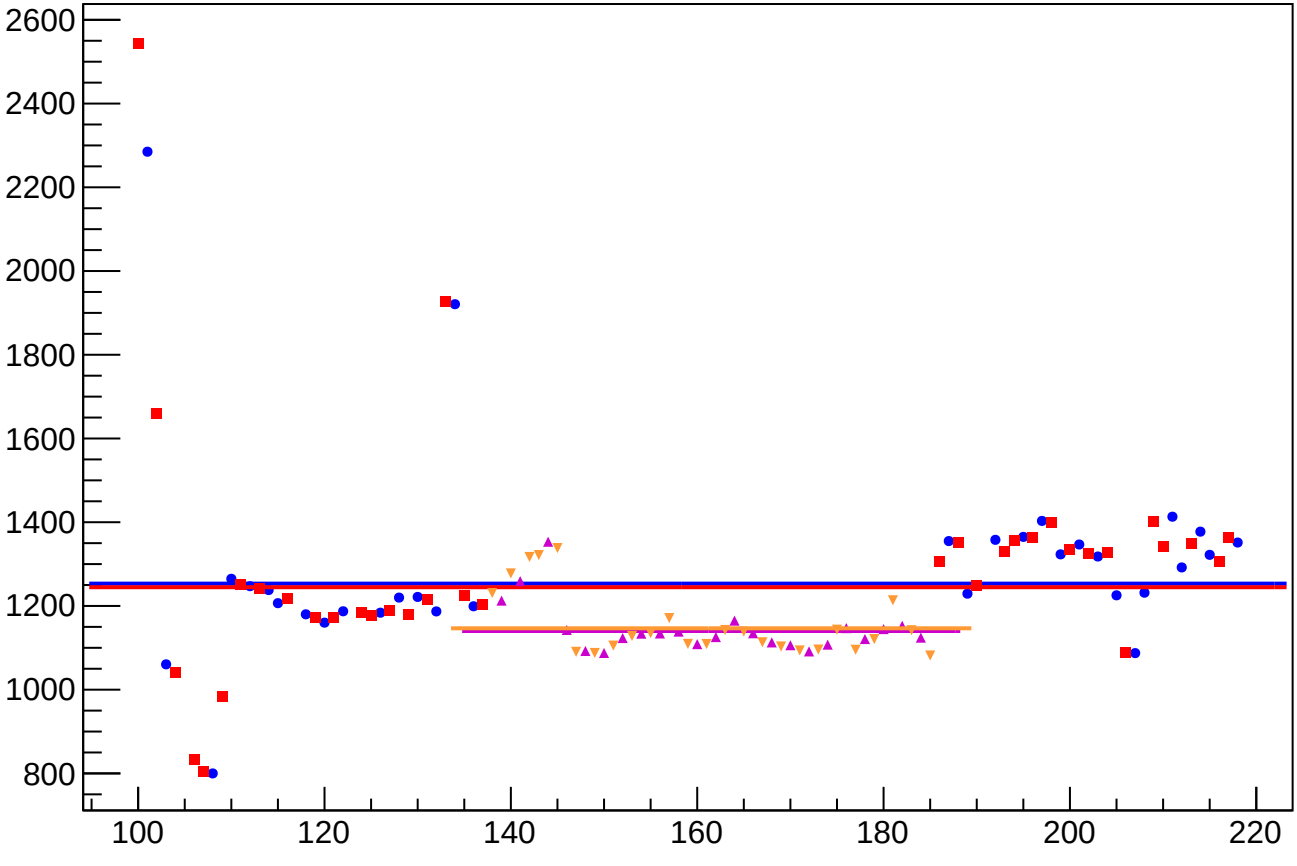
Right: -159.306+/-198.730 χ^2/NDF: 61.4/66

In: -516.445+/-193.680 χ^2/NDF:37.0/54

Out: 384.956+/-190.996 χ^2/NDF:72.9/59

All: -59.456+/-135.993 χ^2/NDF: 120.8/114

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: 1244.729+/-0.198 χ^2/NDF: 790757.6/34

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

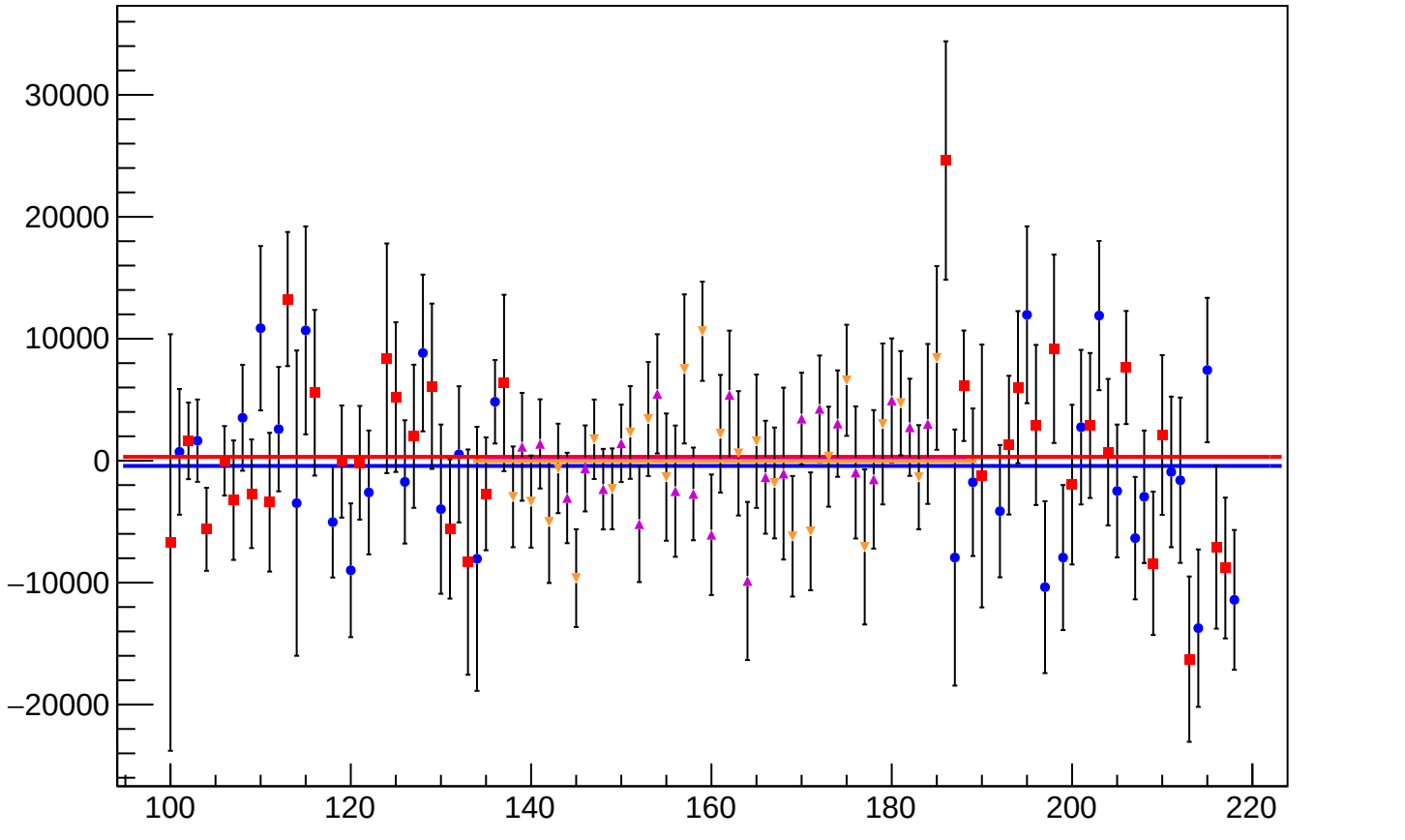
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1248.990+/-0.141 χ^2/NDF: 1621005.7/66

In: 1193.585+/-0.137 χ^2/NDF:1084131.8/54

Out: 1192.199+/-0.135 χ^2/NDF:1063080.7/59

All: 1192.882+/-0.096 χ^2/NDF: 2147264.5/11



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: 315.536+/-913.322 χ^2/NDF: 41.2/34

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

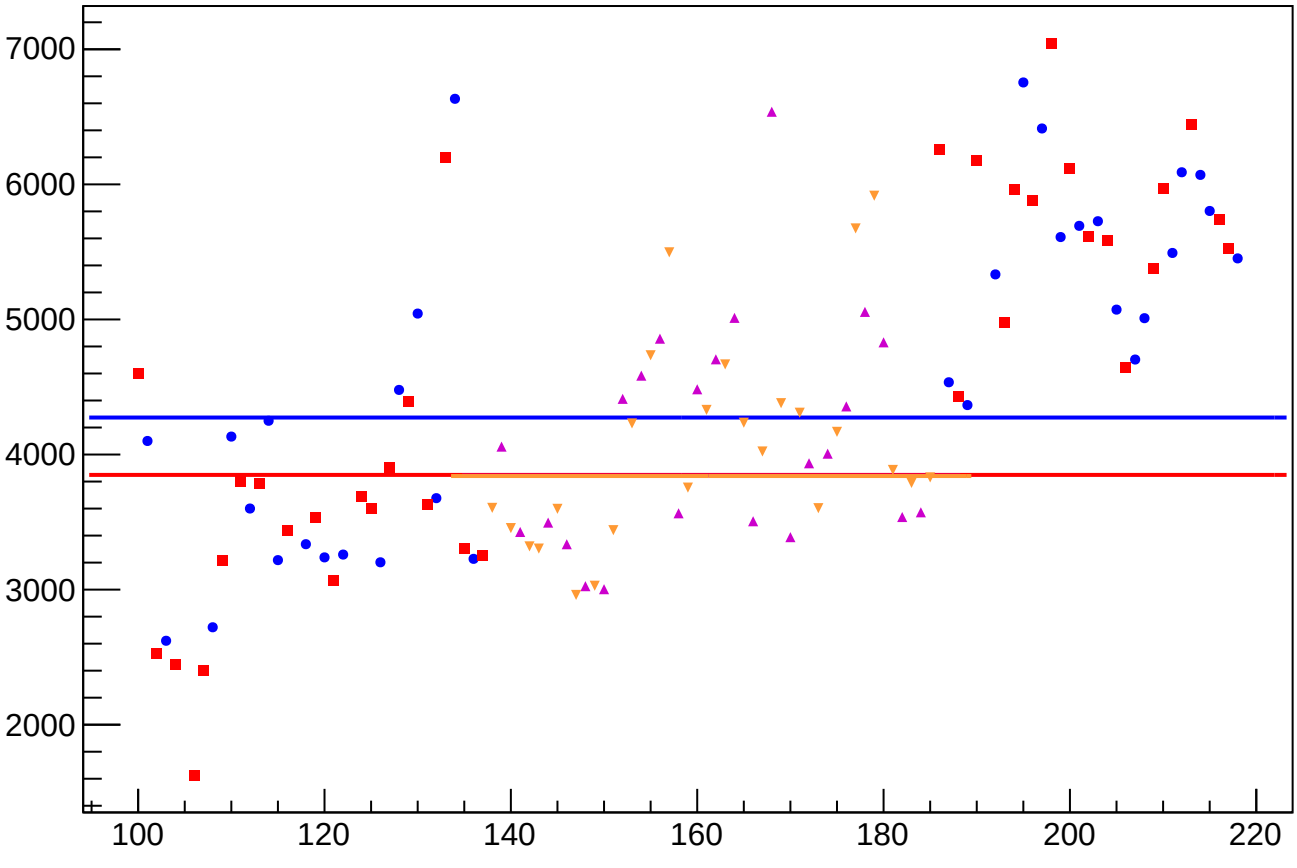
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: -27.080+/-671.772 χ^2/NDF: 80.0/66

In: -133.013+/-672.722 χ^2/NDF:52.4/54

Out: 136.748+/-637.914 χ^2/NDF:69.1/59

All: 9.027+/-462.890 χ^2/NDF: 121.5/114



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: 3849.214+/-0.646 χ^2/NDF: 5098570.4/34

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

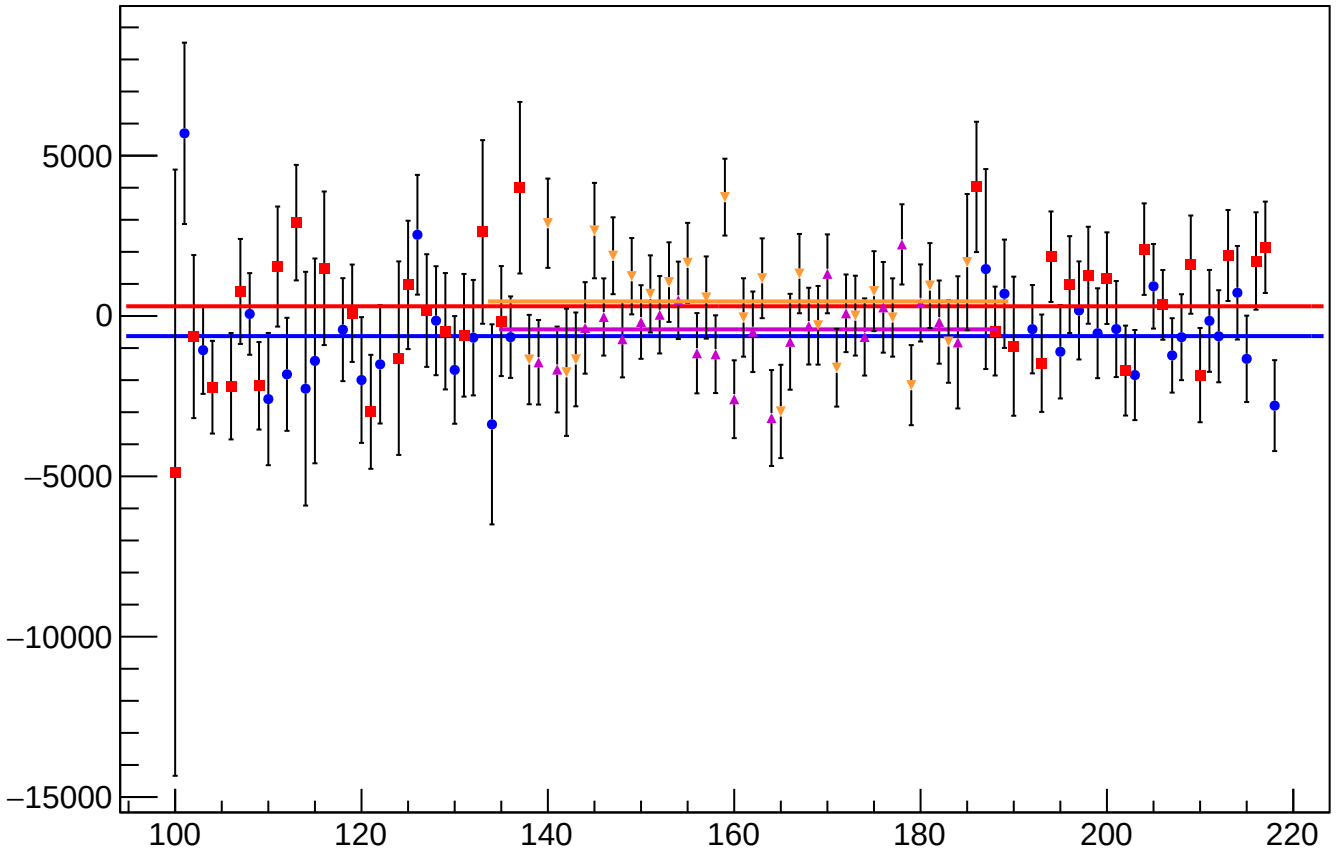
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 4044.163+/-0.475 χ^2/NDF: 8256889.1/66

In: 4041.538+/-0.476 χ^2/NDF:4359426.9/54

Out: 3844.920+/-0.451 χ^2/NDF:6217323.3/59

All: 3938.011+/-0.327 χ^2/NDF: 10666707.7/1



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: 303.388+/-280.237 χ^2/NDF: 36.6/34

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

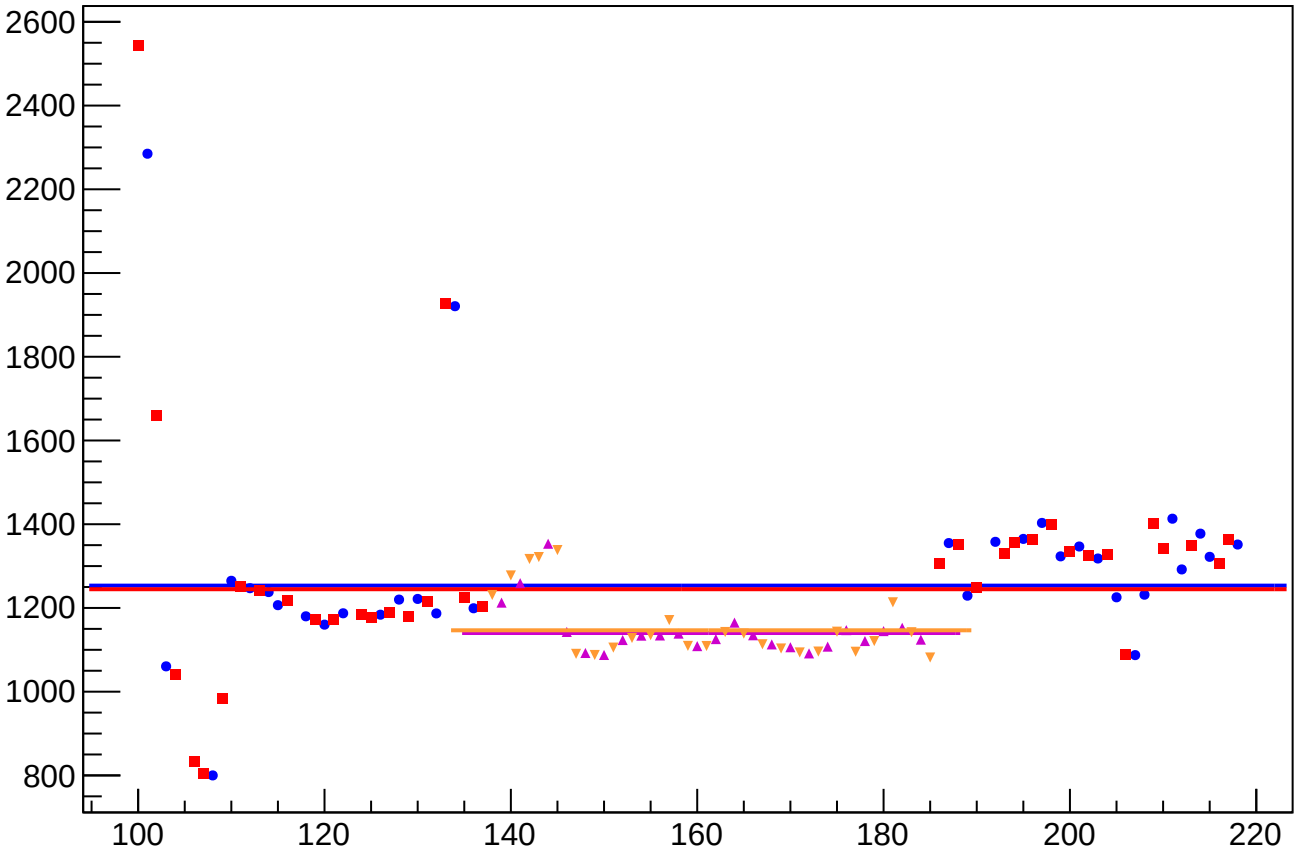
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -159.304+/-198.730 χ^2/NDF: 61.4/66

In: -516.442+/-193.680 χ^2/NDF:37.0/54

Out: 384.957+/-190.996 χ^2/NDF:72.9/59

All: -59.454+/-135.993 χ^2/NDF: 120.8/114



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: 1244.729+/-0.198 χ^2/NDF: 790757.0/34

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

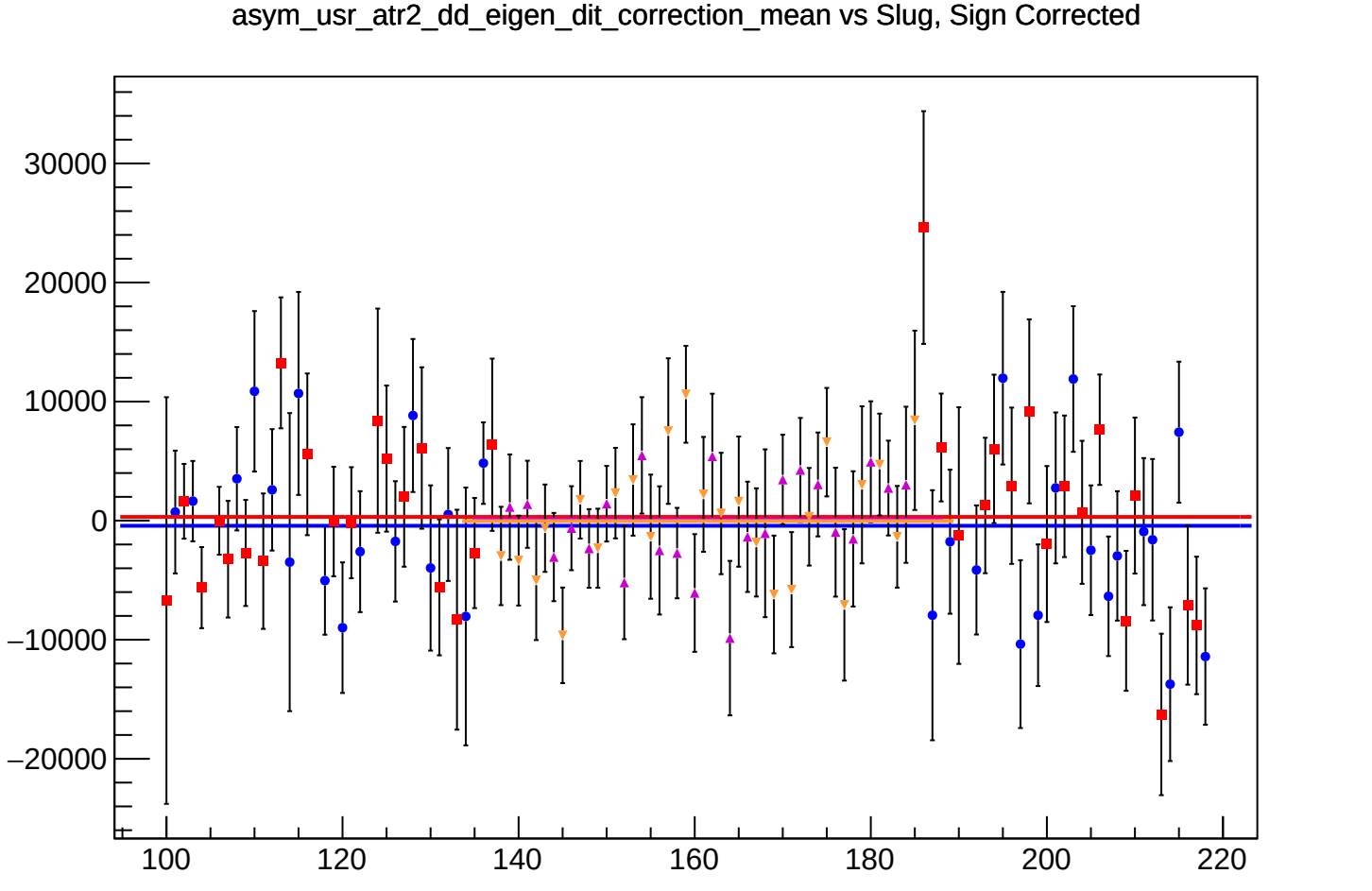
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1248.990+/-0.141 χ^2/NDF: 1621006.0/66

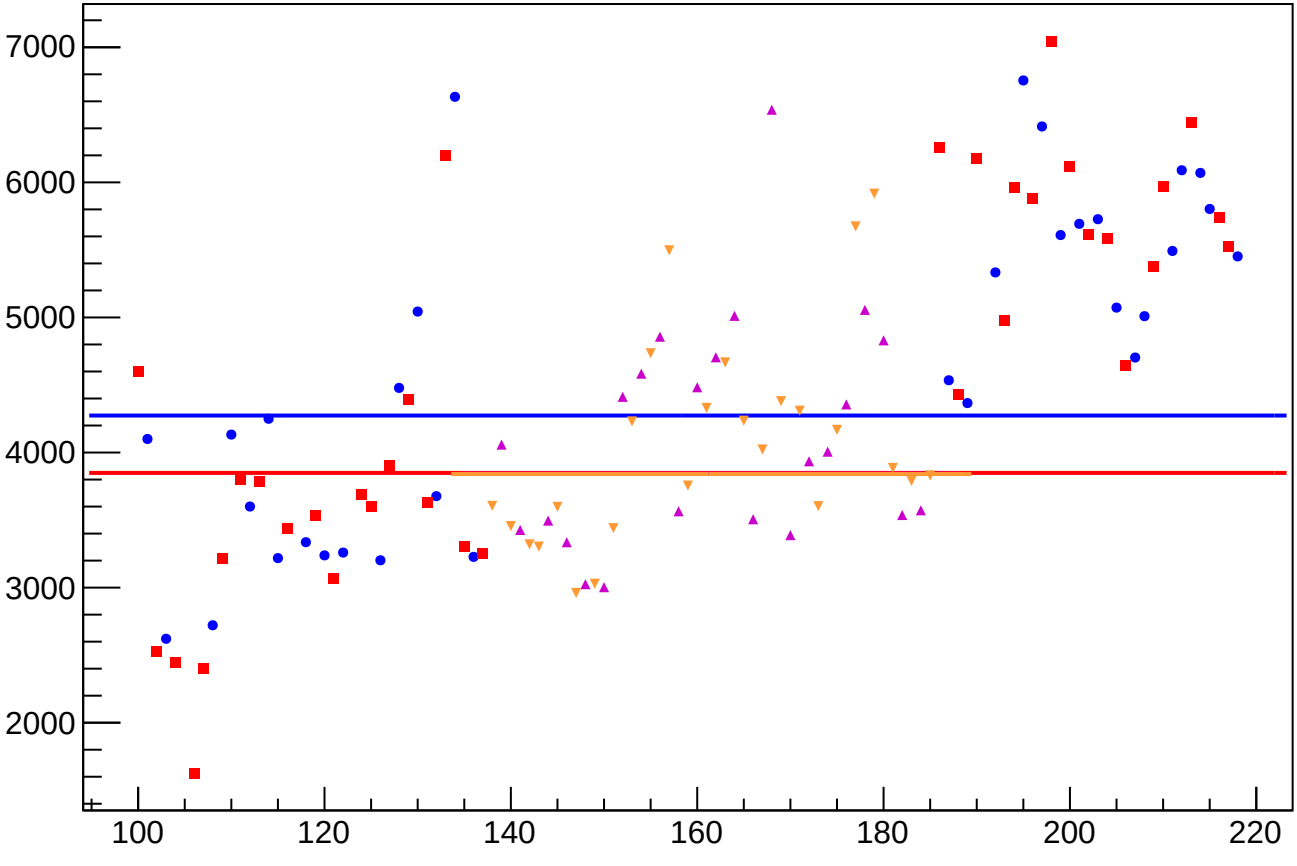
In: 1193.586+/-0.137 χ^2/NDF:1084130.1/54

Out: 1192.199+/-0.135 χ^2/NDF:1063078.8/59

All: 1192.883+/-0.096 χ^2/NDF: 2147260.9/11


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -430.908+/-991.548 χ²/NDF: 38.4/31
Left Out: -33.548+/-891.372 χ²/NDF:27.8/24
Right Out: 315.531+/-913.322 χ²/NDF: 41.2/34
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: -27.086+/-671.771 χ²/NDF: 80.0/66
In: -133.016+/-672.722 χ²/NDF:52.4/54
Out: 136.746+/-637.914 χ²/NDF:69.1/59
All: 9.025+/-462.890 χ²/NDF: 121.5/114

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 3849.210+/-0.646 χ^2/NDF: 5098601.5/34

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

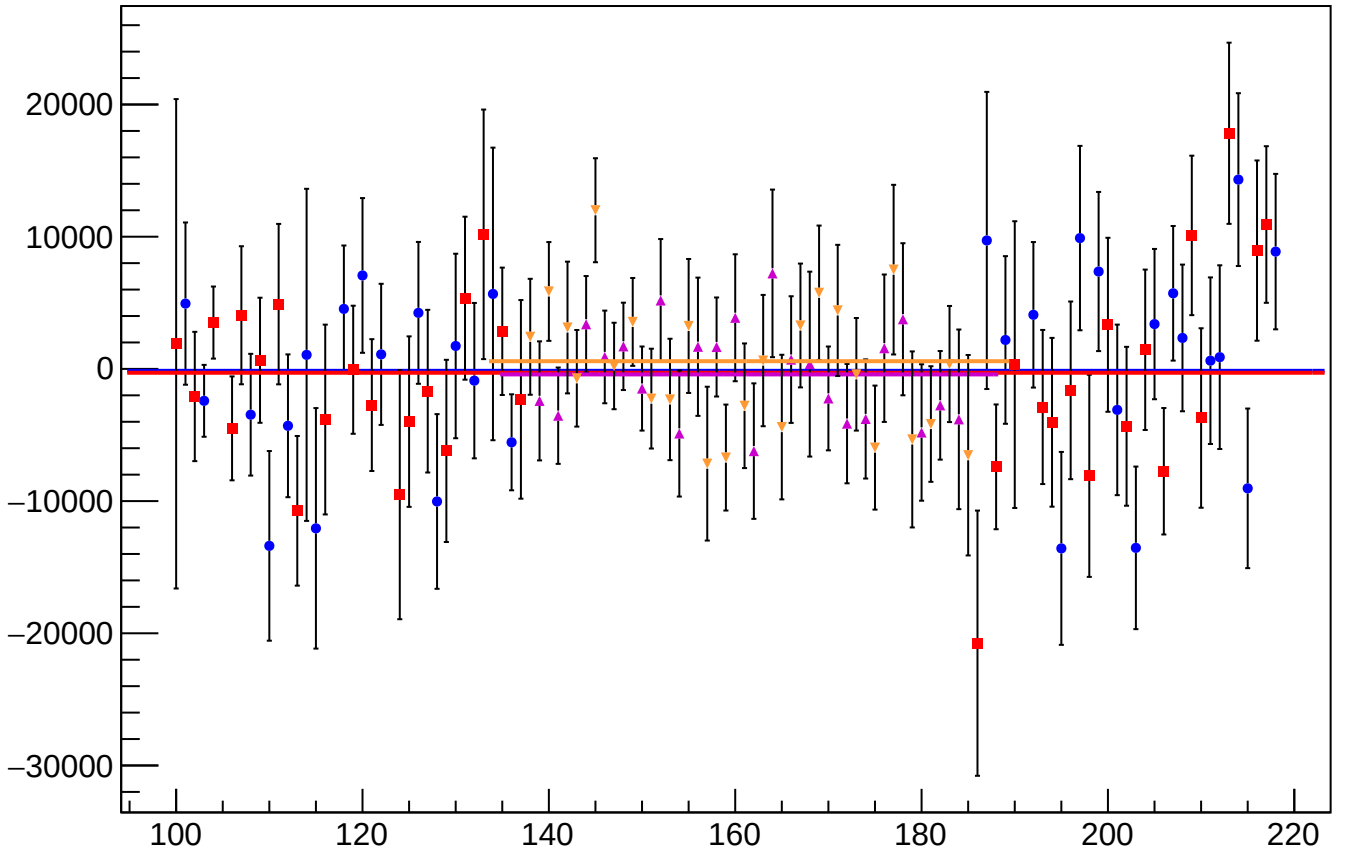
Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

Right: 4044.160+/-0.475 χ^2/NDF: 8256937.9/66

In: 4041.541+/-0.476 χ^2/NDF:4359439.6/54

Out: 3844.921+/-0.451 χ^2/NDF:6217355.9/59

All: 3938.013+/-0.327 χ^2/NDF: 10666754.2/



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: -291.071+/-968.611 χ^2/NDF: 40.2/34

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

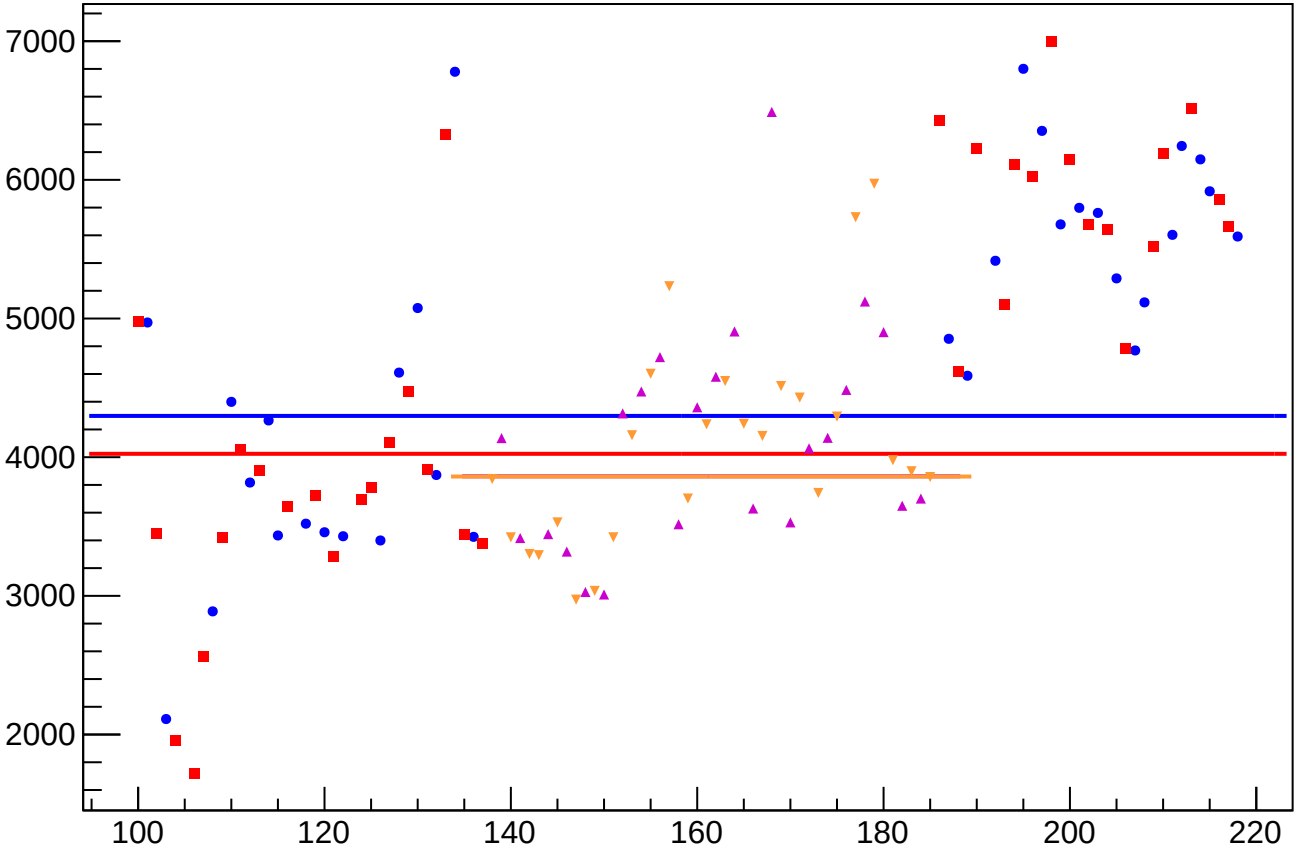
Right: -221.561+/-697.261 χ^2/NDF: 80.7/66

In: -293.782+/-678.056 χ^2/NDF:53.0/54

Out: 180.634+/-657.306 χ^2/NDF:68.1/59

All: -49.204+/-471.951 χ^2/NDF: 121.3/114

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: 4024.395+/-0.678 χ^2/NDF: 4971913.3/34

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

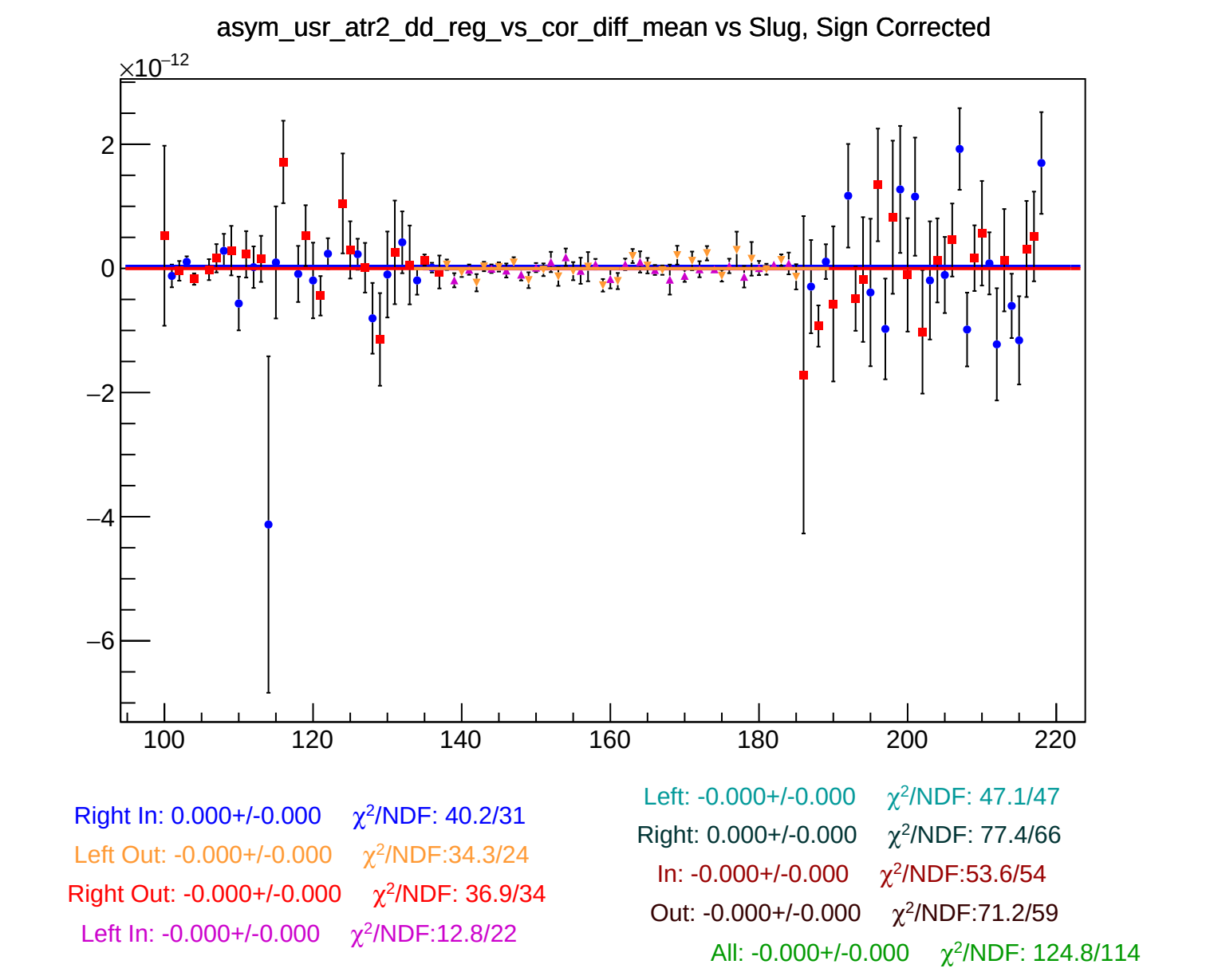
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

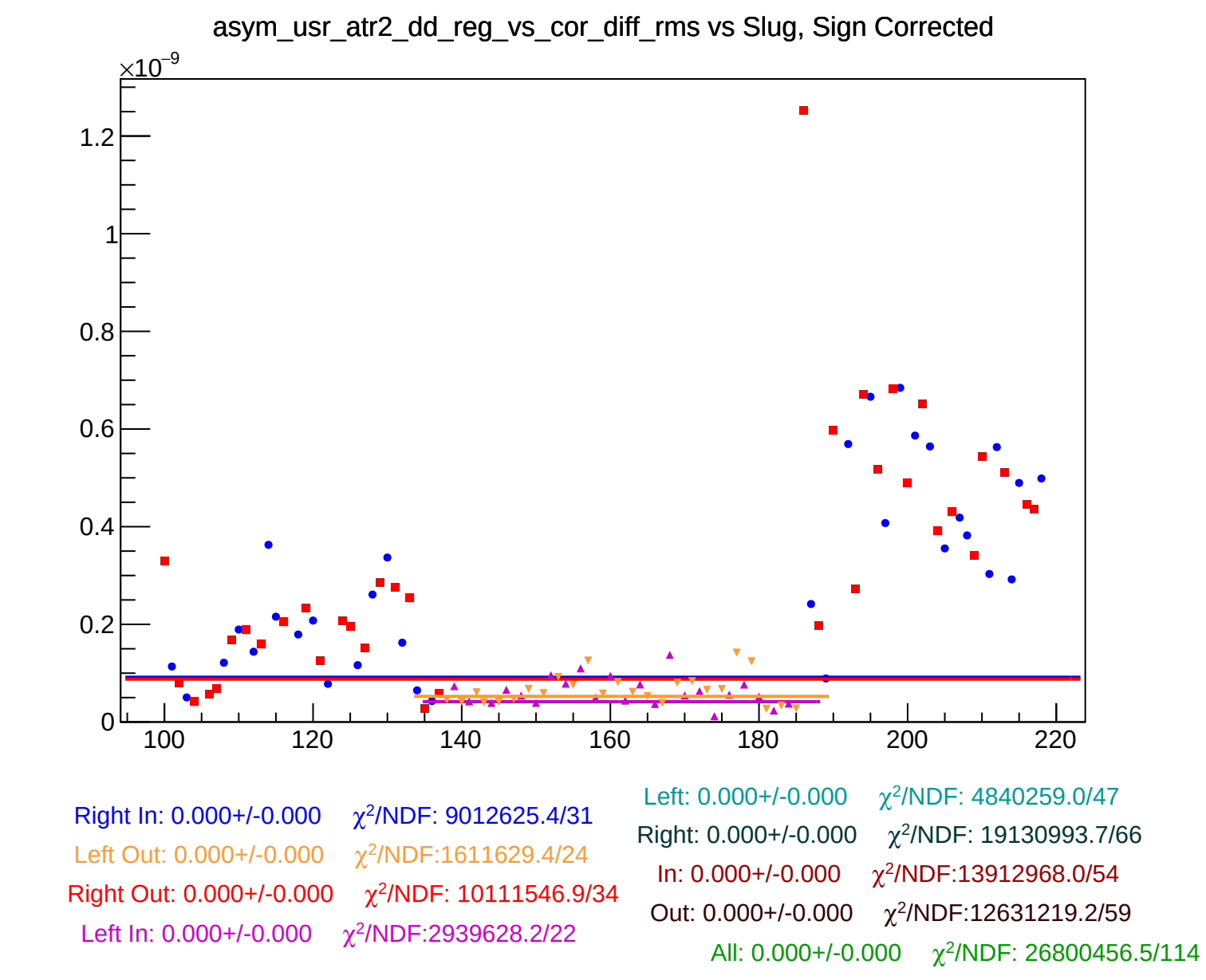
Right: 4154.610+/-0.490 χ^2/NDF: 8640169.0/66

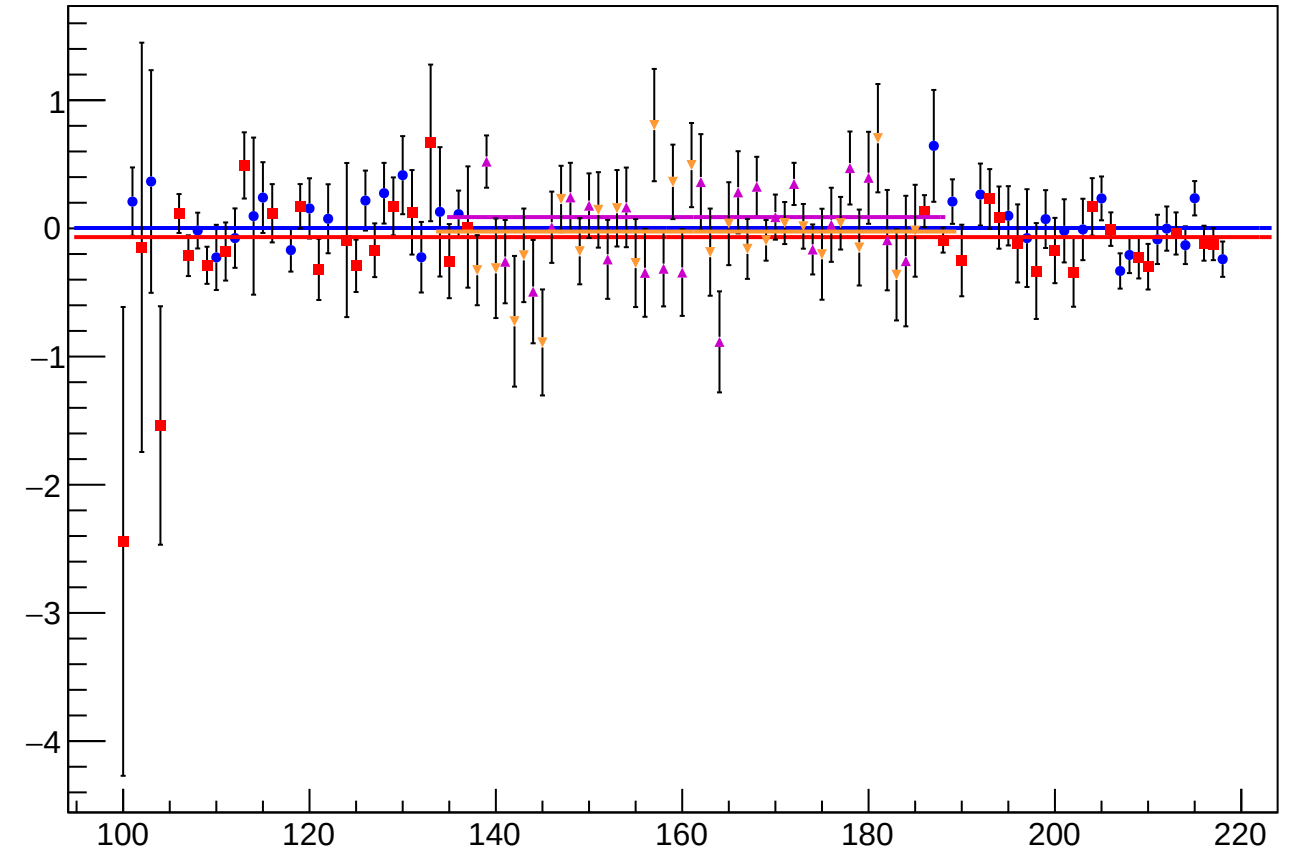
In: 4060.689+/-0.479 χ^2/NDF:4937425.7/54

Out: 3936.861+/-0.463 χ^2/NDF:6100439.1/59

All: 3996.547+/-0.333 χ^2/NDF: 11072416.2/1


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
2
0
−2
−4
−6
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 40.2/31
Left Out: -0.000+/-0.000 χ²/NDF:34.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 36.9/34
Left In: -0.000+/-0.000 χ²/NDF:12.8/22
Left: -0.000+/-0.000 χ²/NDF: 47.1/47
Right: 0.000+/-0.000 χ²/NDF: 77.4/66
In: -0.000+/-0.000 χ²/NDF:53.6/54
Out: -0.000+/-0.000 χ²/NDF:71.2/59
All: -0.000+/-0.000 χ²/NDF: 124.8/114


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: 10111546.9/34
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: 19130993.7/66
In: 0.000+/-0.000 χ²/NDF:13912968.0/54
Out: 0.000+/-0.000 χ²/NDF:12631219.2/59
All: 0.000+/-0.000 χ²/NDF: 26800456.5/114



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: -0.068+/-0.033 χ^2/NDF: 33.4/34

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

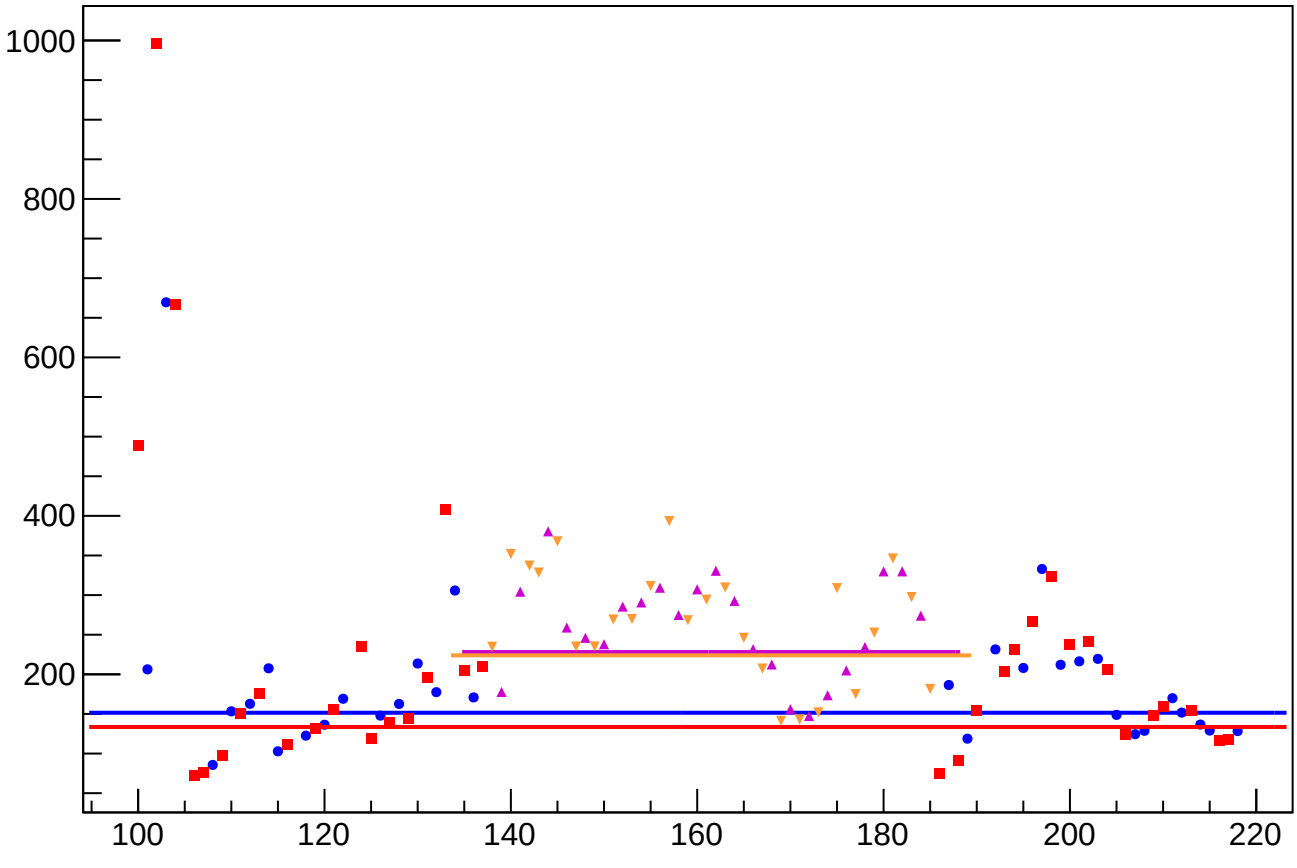
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.035+/-0.025 χ^2/NDF: 66.8/66

In: 0.028+/-0.030 χ^2/NDF:62.9/54

Out: -0.056+/-0.028 χ^2/NDF:58.0/59

All: -0.017+/-0.021 χ^2/NDF: 124.9/114



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: 133.558+/-0.024 χ^2/NDF: 6131160.1/34

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

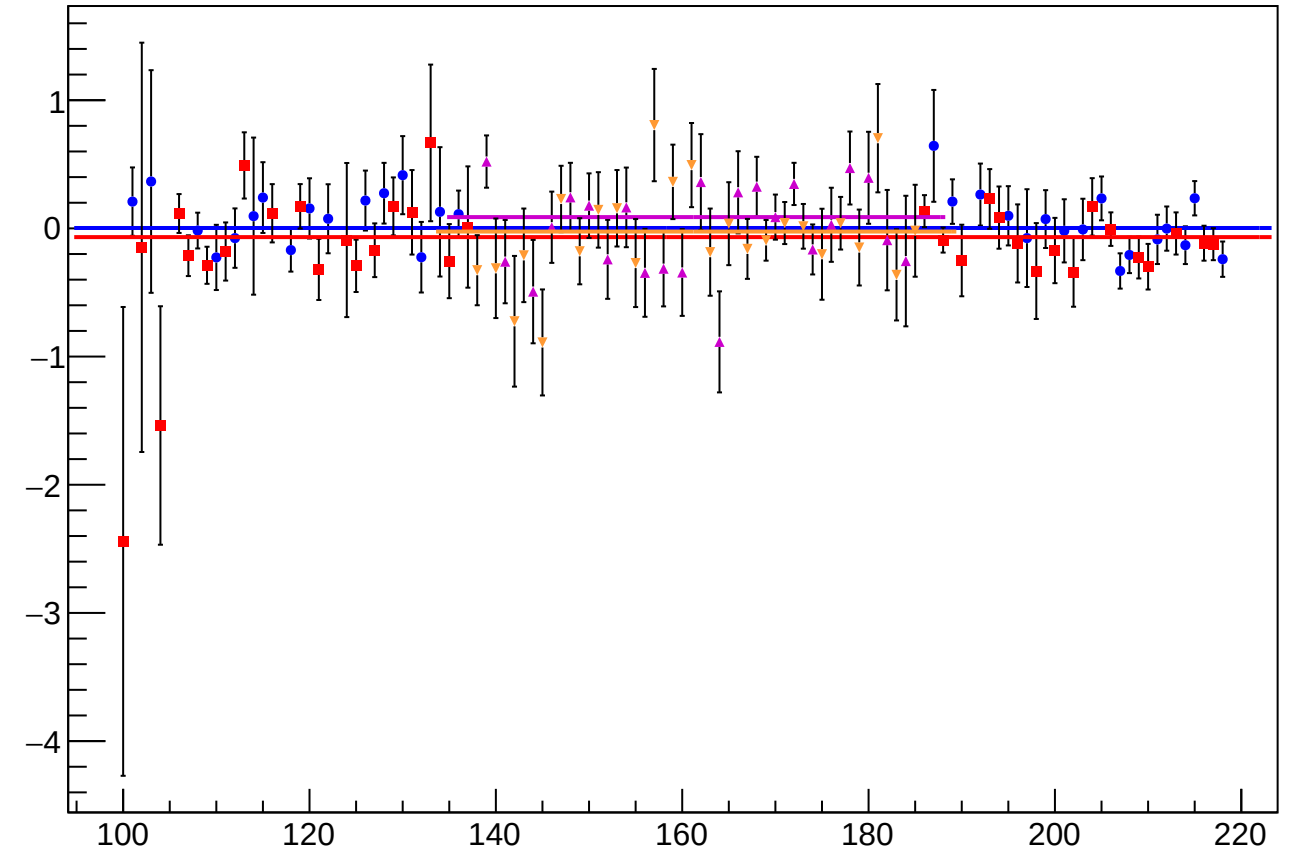
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 141.793+/-0.017 χ^2/NDF: 9712803.5/66

In: 173.709+/-0.022 χ^2/NDF:8408192.7/54

Out: 158.077+/-0.020 χ^2/NDF:13563774.6/59

All: 165.350+/-0.015 χ^2/NDF: 22253109.6/11



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: -0.068+/-0.033 χ^2/NDF: 33.4/34

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

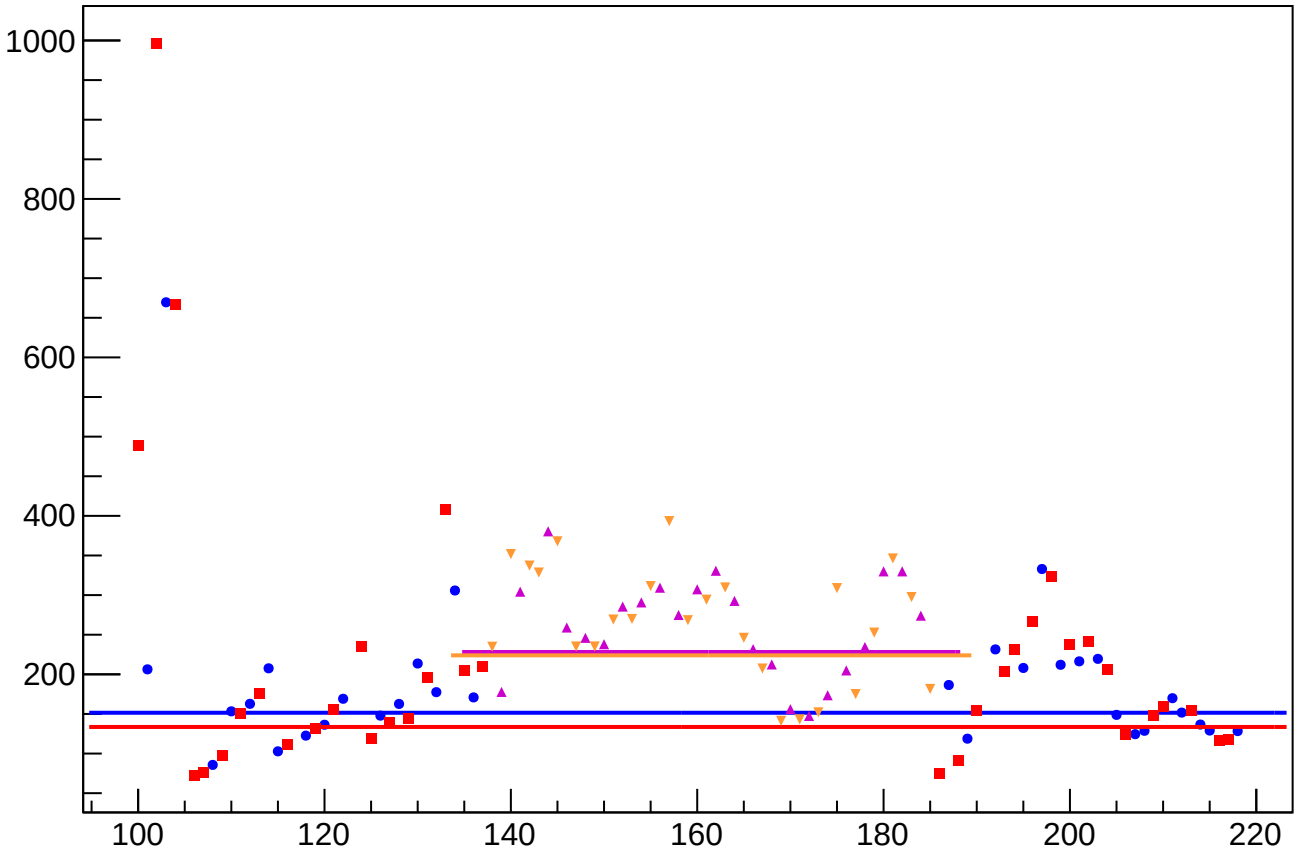
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

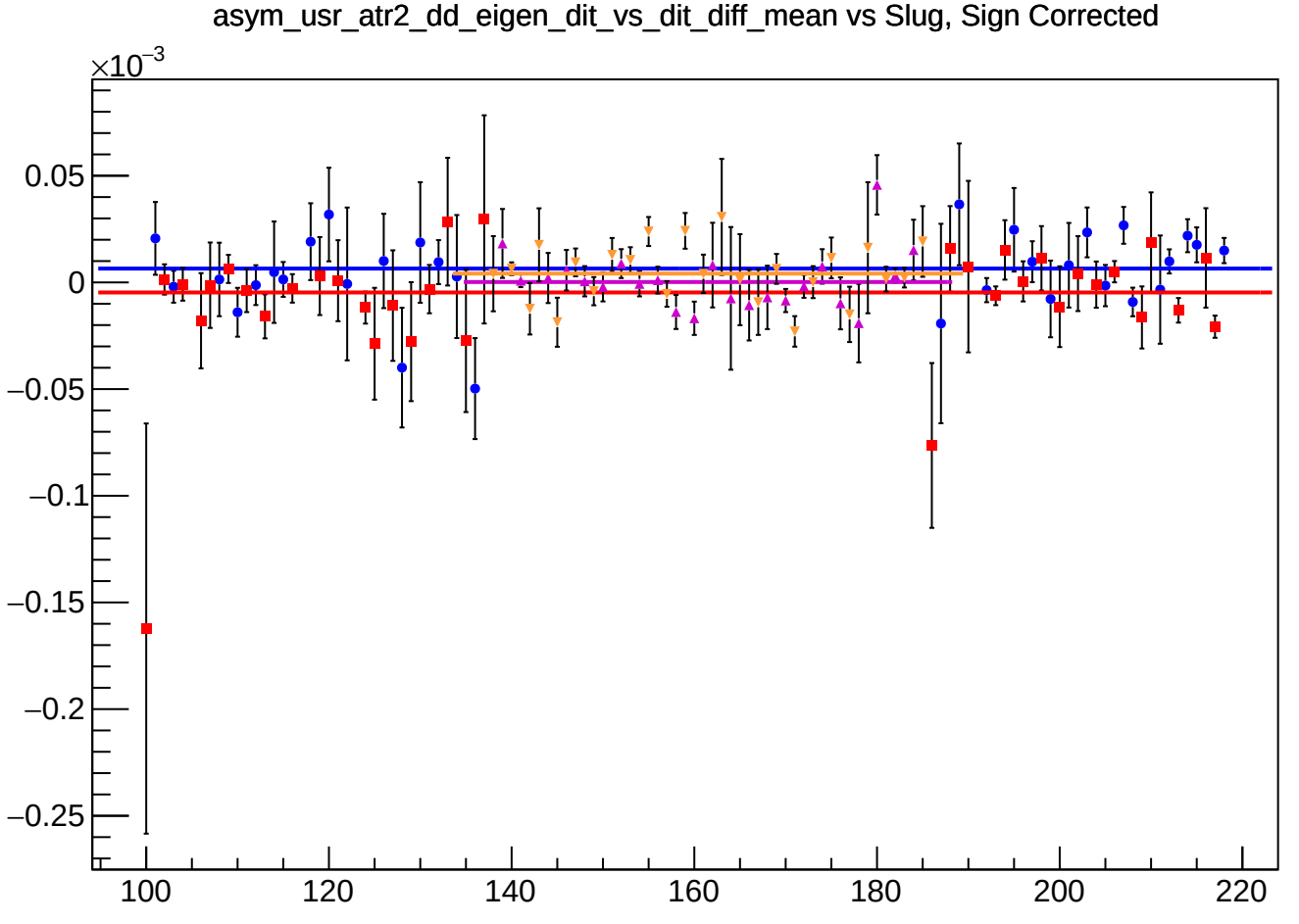
Right: -0.035+/-0.025 χ^2/NDF: 66.8/66

In: 0.028+/-0.030 χ^2/NDF:62.9/54

Out: -0.056+/-0.028 χ^2/NDF:58.0/59

All: -0.017+/-0.021 χ^2/NDF: 124.9/114


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 151.500+/-0.026 χ²/NDF: 3315376.2/31
Left Out: 223.945+/-0.039 χ²/NDF:3438444.8/24
Right Out: 133.558+/-0.024 χ²/NDF: 6131160.1/34
Left In: 228.199+/-0.040 χ²/NDF:2488915.3/22
Left: 225.993+/-0.028 χ²/NDF: 5933206.6/47
Right: 141.793+/-0.017 χ²/NDF: 9712803.5/66
In: 173.709+/-0.022 χ²/NDF:8408192.7/54
Out: 158.077+/-0.020 χ²/NDF:13563774.6/59
All: 165.350+/-0.015 χ²/NDF: 22253109.6/11



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: 39.3/34

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

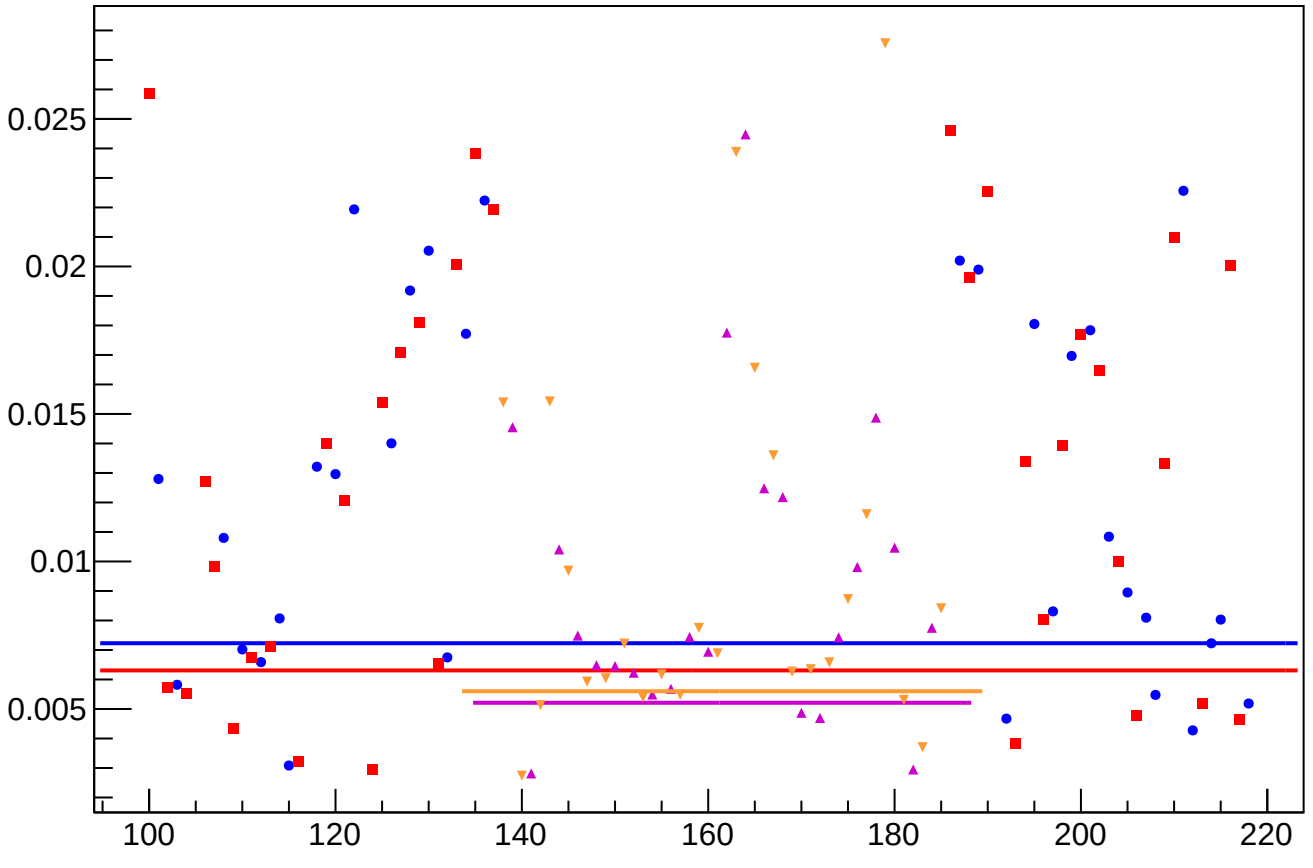
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: 0.000+/-0.000 χ^2/NDF: 104.1/66

In: 0.000+/-0.000 χ^2/NDF:82.4/54

Out: 0.000+/-0.000 χ^2/NDF:103.8/59

All: 0.000+/-0.000 χ^2/NDF: 188.0/114



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: 11446663.9/34

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

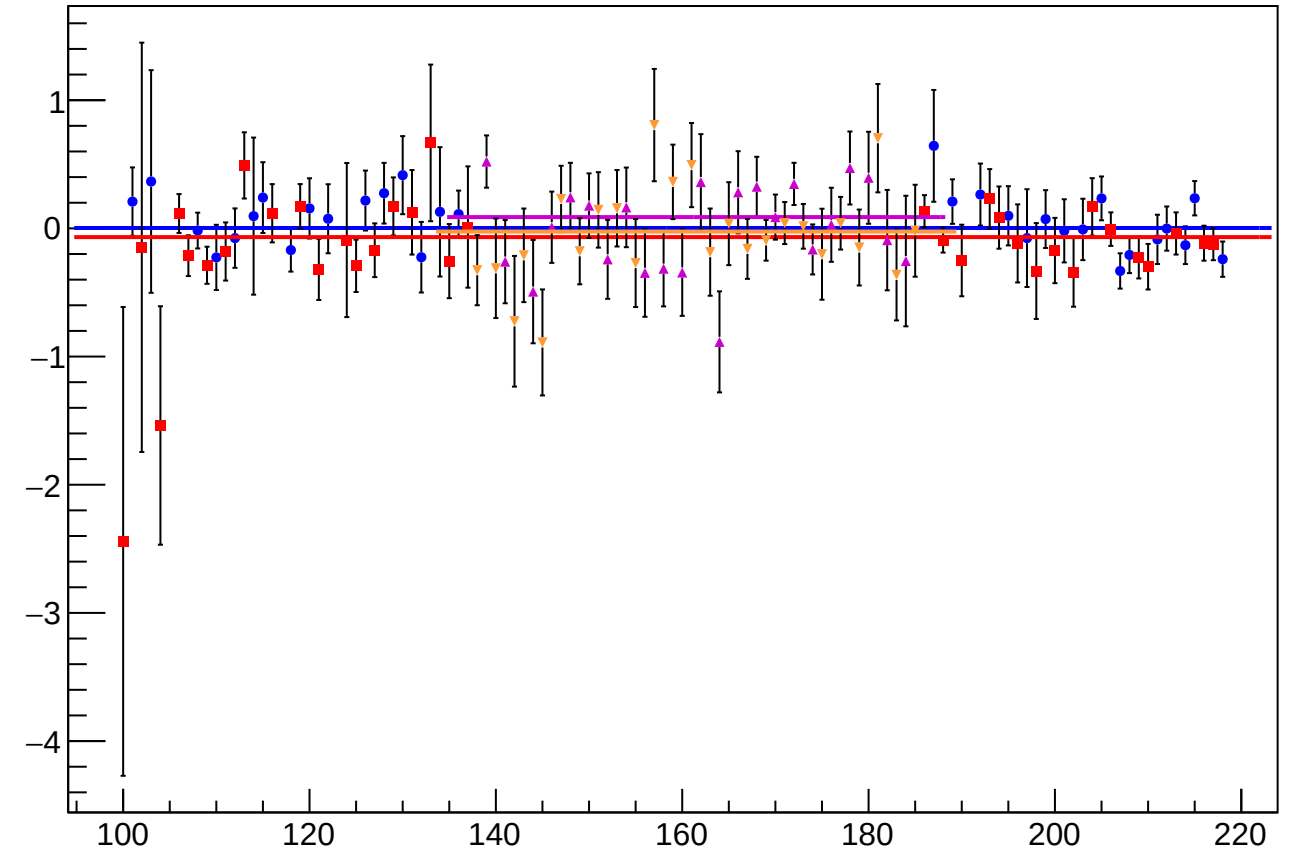
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

Right: 0.007+/-0.000 χ^2/NDF: 20068084.1/66

In: 0.006+/-0.000 χ^2/NDF:17272179.3/54

Out: 0.006+/-0.000 χ^2/NDF:19415064.1/59

All: 0.006+/-0.000 χ^2/NDF: 36688901.9/114



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: -0.068+/-0.033 χ^2/NDF: 33.4/34

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

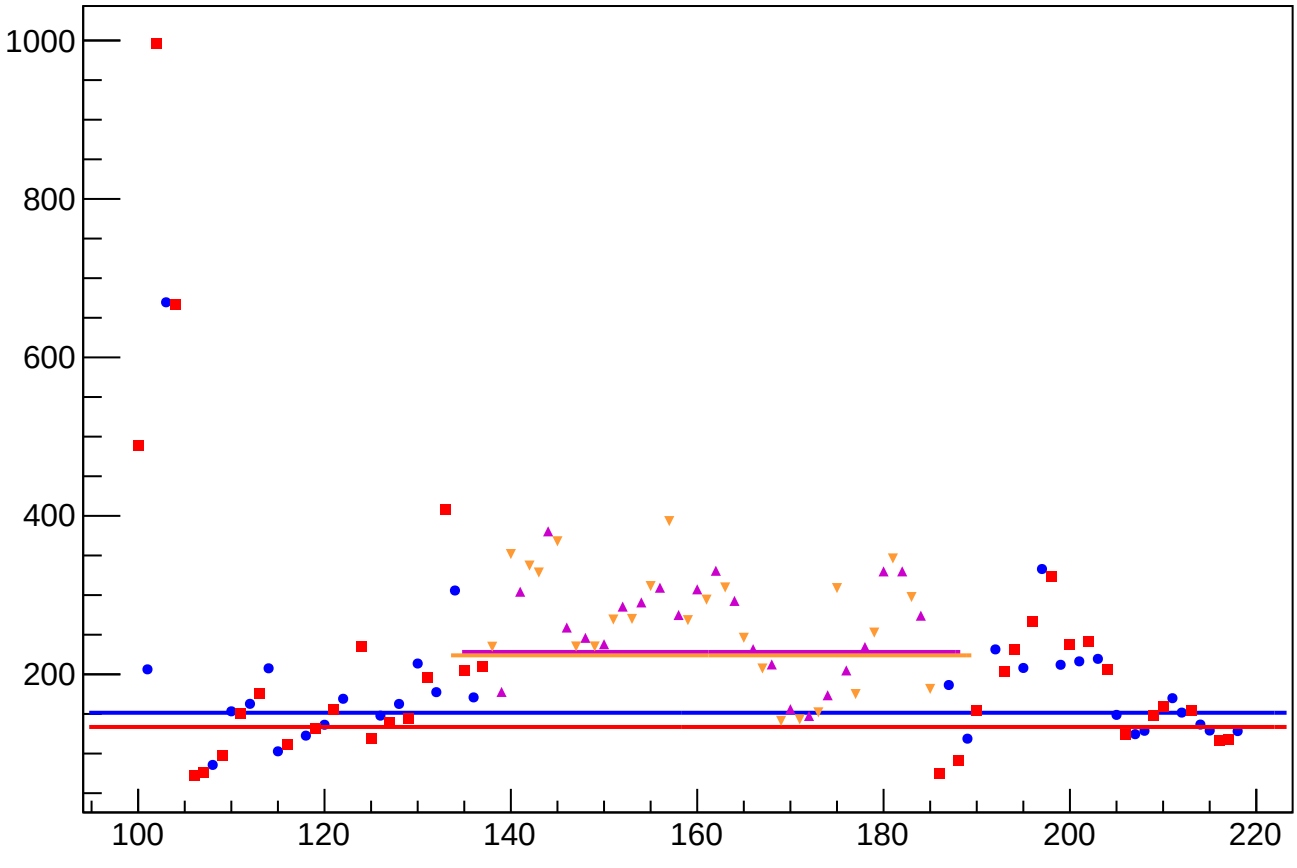
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.035+/-0.025 χ^2/NDF: 66.8/66

In: 0.028+/-0.030 χ^2/NDF:62.9/54

Out: -0.056+/-0.028 χ^2/NDF:58.0/59

All: -0.017+/-0.021 χ^2/NDF: 124.9/114



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: 133.562+/-0.024 χ^2/NDF: 6130632.6/34

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

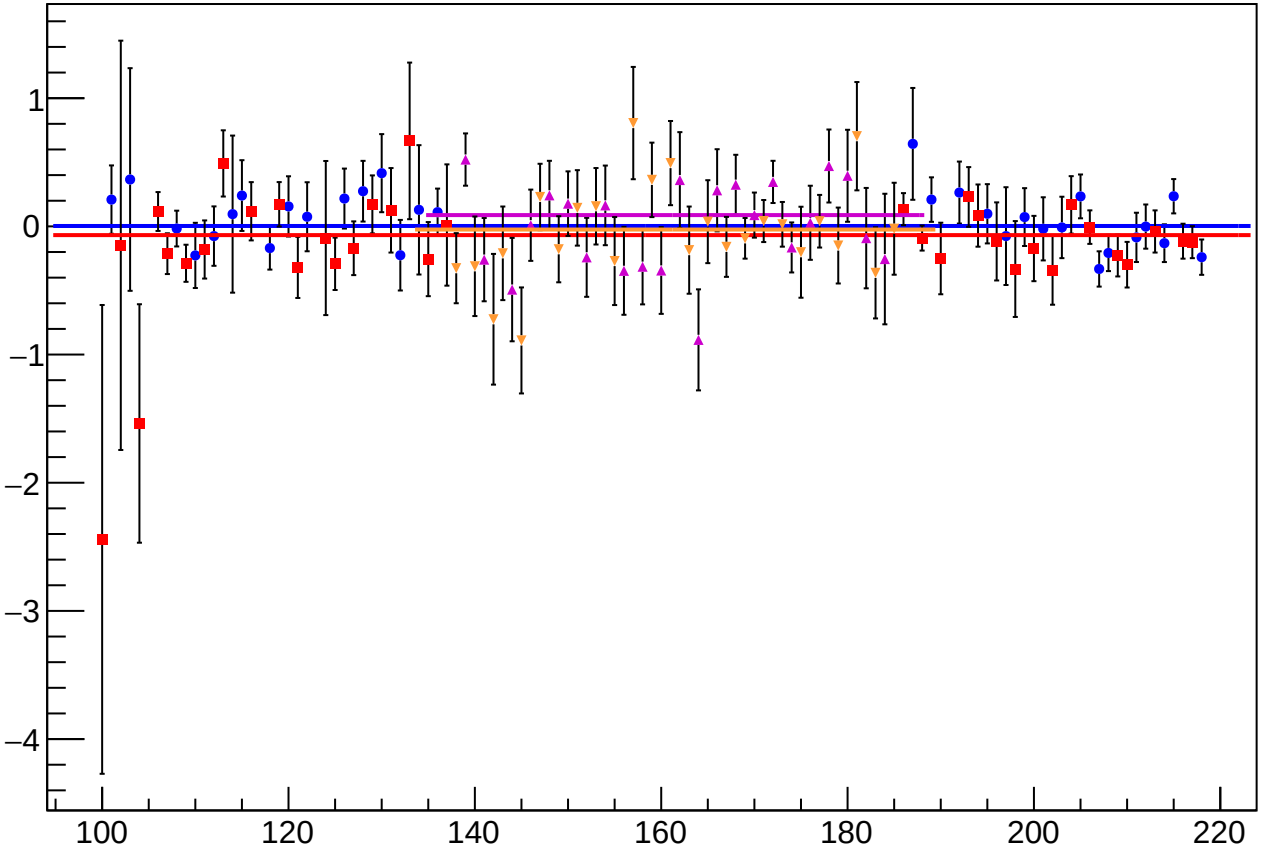
Right: 141.794+/-0.017 χ^2/NDF: 9712283.5/66

In: 173.707+/-0.022 χ^2/NDF:8408634.5/54

Out: 158.080+/-0.020 χ^2/NDF:13563102.5/59

All: 165.351+/-0.015 χ^2/NDF: 22252713.6/1

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: -0.068+/-0.033 χ^2/NDF: 33.4/34

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

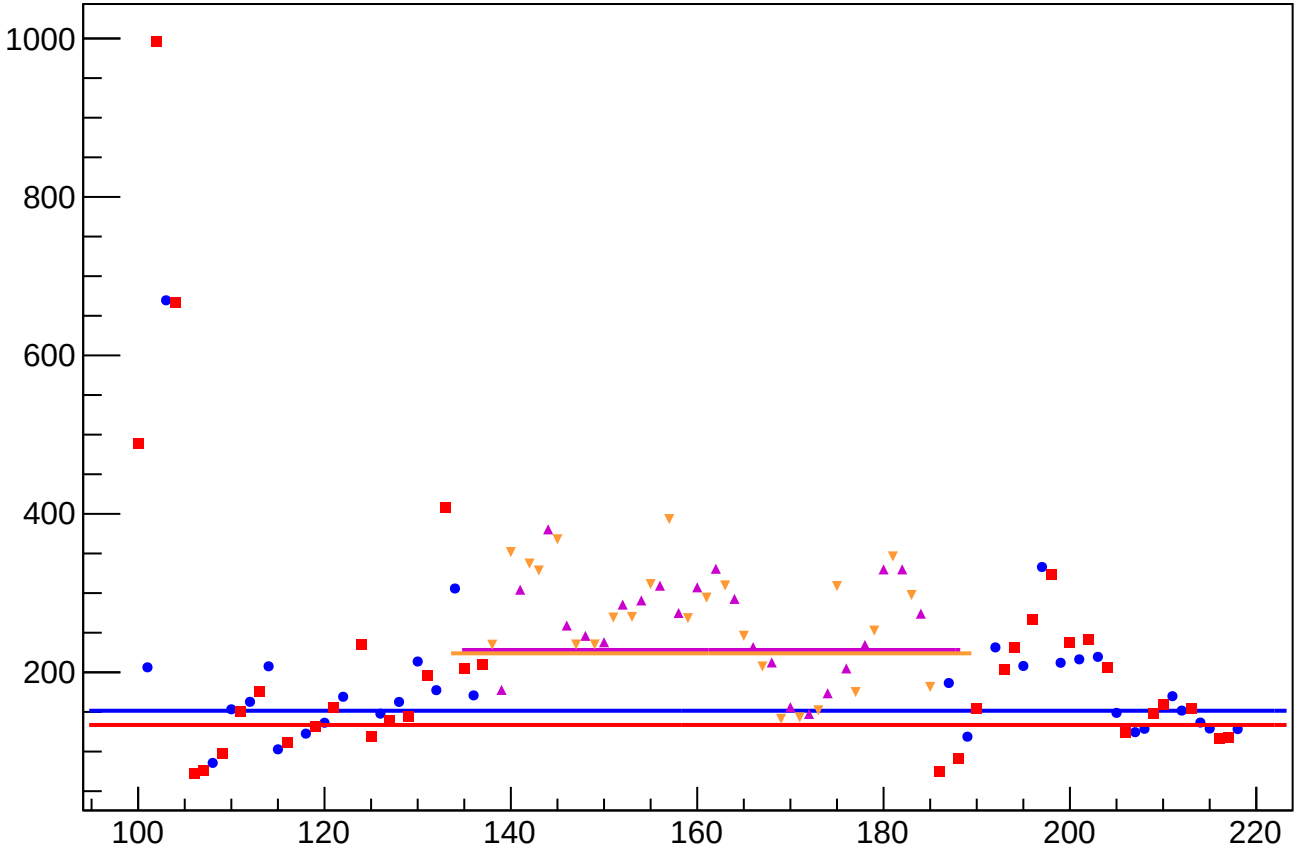
Right: -0.035+/-0.025 χ^2/NDF: 66.8/66

In: 0.028+/-0.030 χ^2/NDF:62.9/54

Out: -0.056+/-0.028 χ^2/NDF:58.0/59

All: -0.017+/-0.021 χ^2/NDF: 124.9/114

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: 133.562+/-0.024 χ^2/NDF: 6130632.6/34

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

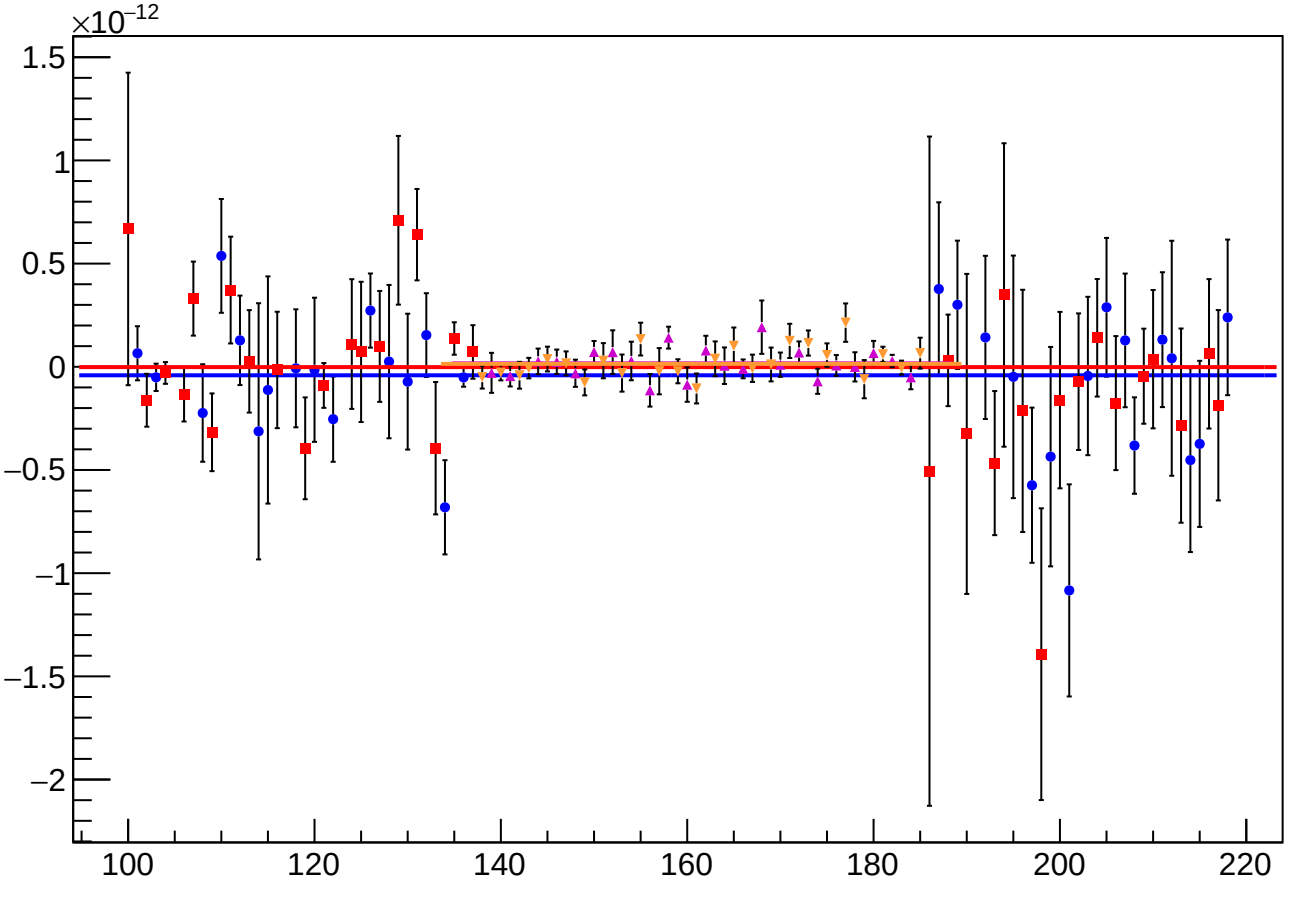
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 141.794+/-0.017 χ^2/NDF: 9712283.5/66

In: 173.707+/-0.022 χ^2/NDF:8408634.5/54

Out: 158.080+/-0.020 χ^2/NDF:13563102.5/59

All: 165.351+/-0.015 χ^2/NDF: 22252713.6/1



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: 39.5/34

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

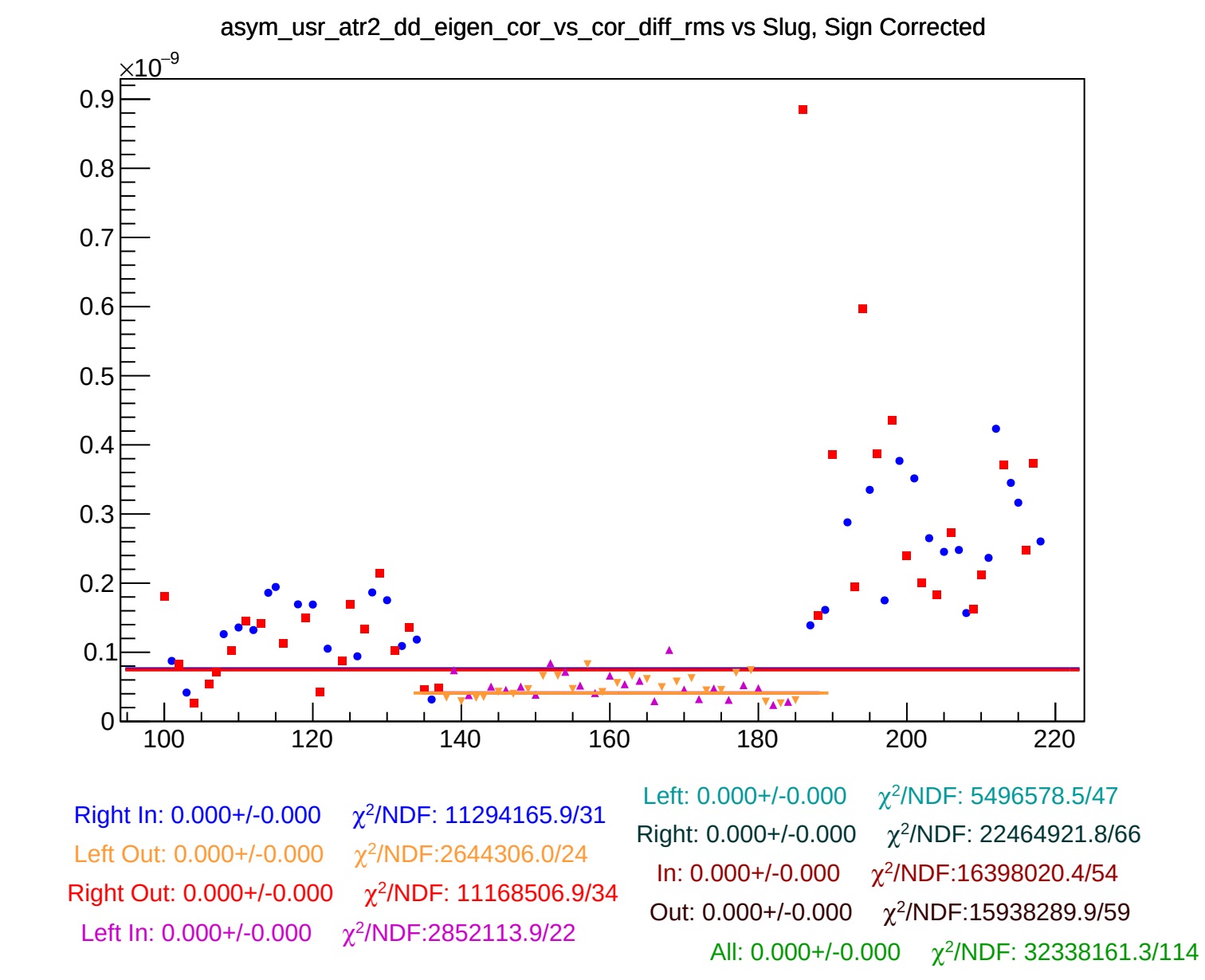
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

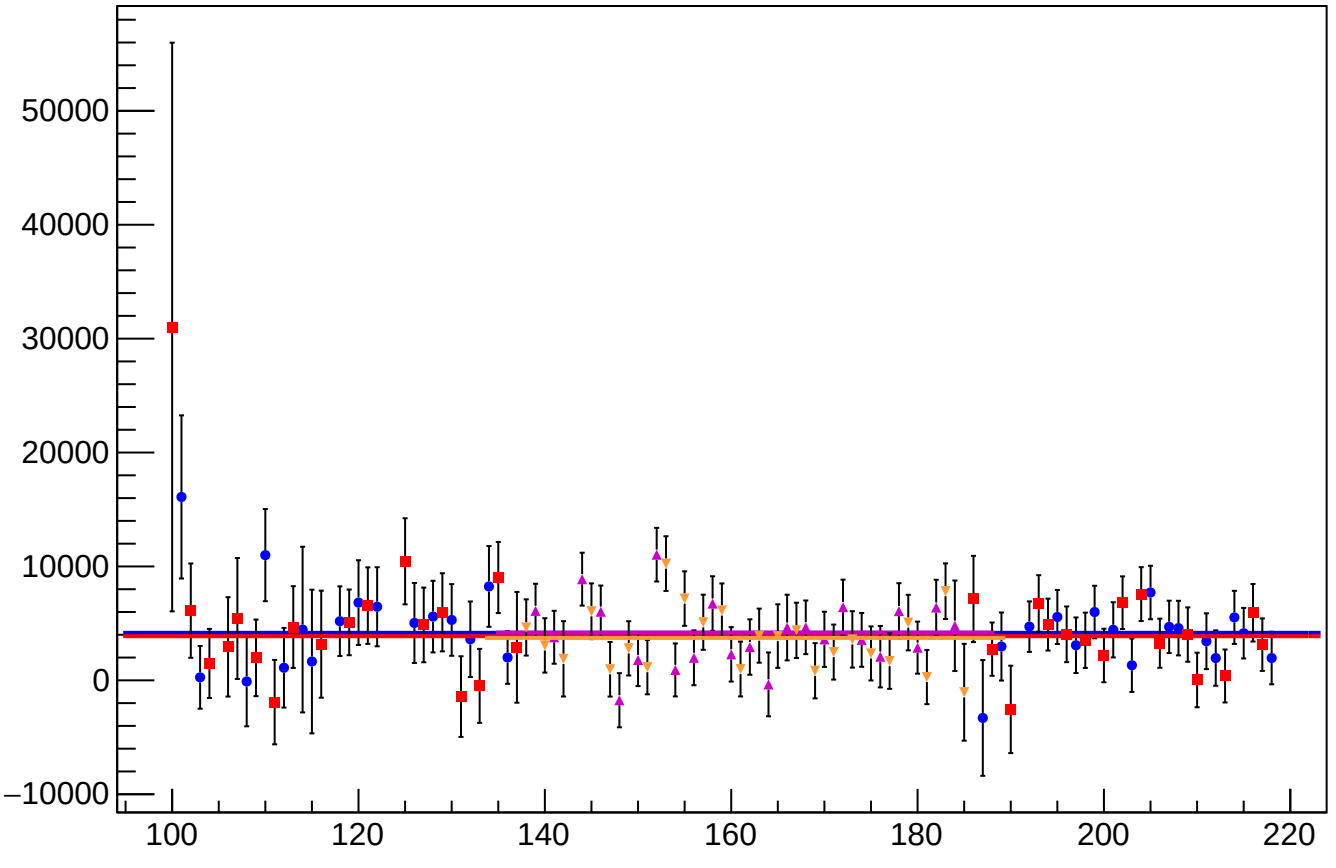
Right: -0.000+/-0.000 χ^2/NDF: 74.7/66

In: 0.000+/-0.000 χ^2/NDF:59.2/54

Out: 0.000+/-0.000 χ^2/NDF:65.1/59

All: 0.000+/-0.000 χ^2/NDF: 124.3/114


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 11294165.9/31
Left Out: 0.000+/-0.000 χ²/NDF:2644306.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 11168506.9/34
Left In: 0.000+/-0.000 χ²/NDF:2852113.9/22
Left: 0.000+/-0.000 χ²/NDF: 5496578.5/47
Right: 0.000+/-0.000 χ²/NDF: 22464921.8/66
In: 0.000+/-0.000 χ²/NDF:16398020.4/54
Out: 0.000+/-0.000 χ²/NDF:15938289.9/59
All: 0.000+/-0.000 χ²/NDF: 32338161.3/114



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: 3876.911+/-501.767 χ^2/NDF: 31.8/33

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

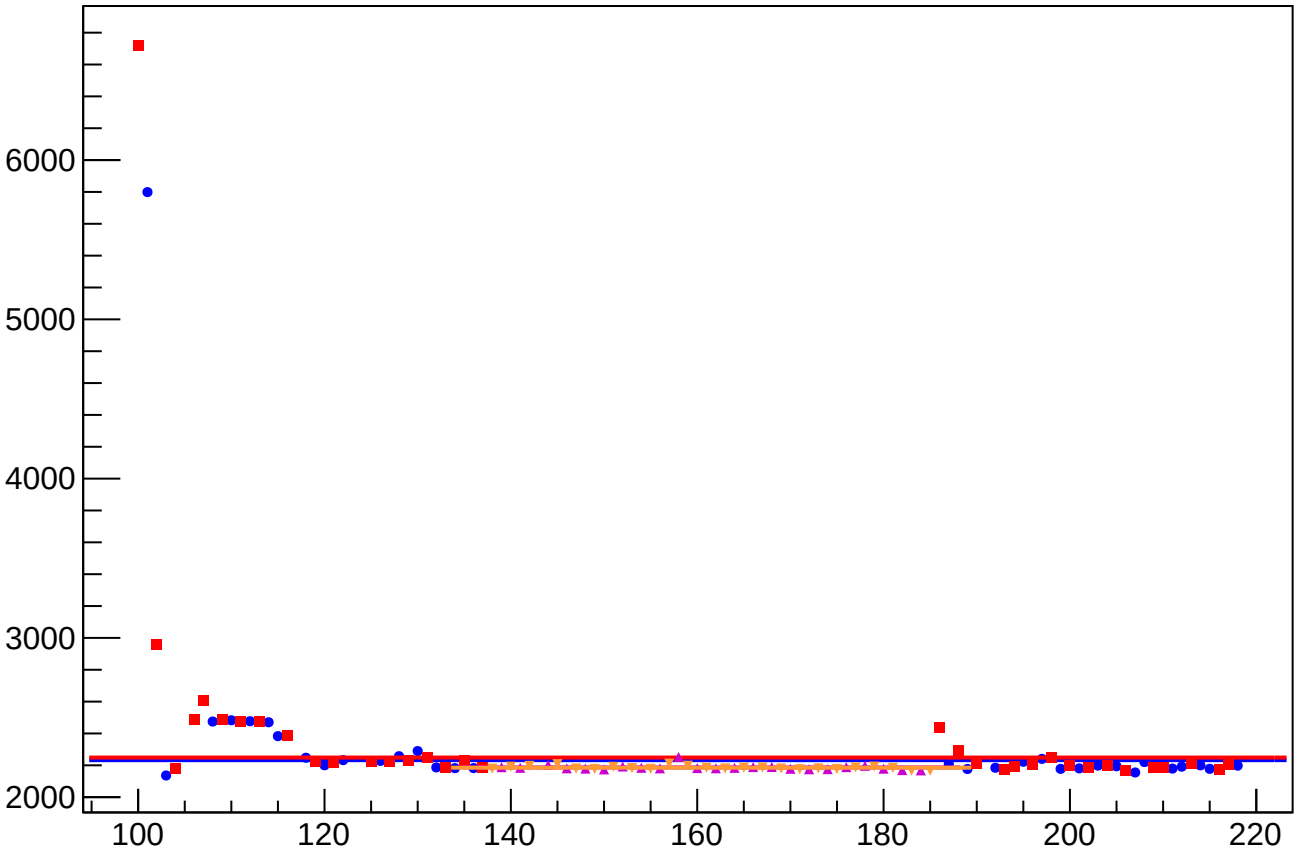
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4025.177+/-354.139 χ^2/NDF: 55.0/65

In: 4183.891+/-357.196 χ^2/NDF:55.1/54

Out: 3801.018+/-356.693 χ^2/NDF:57.3/57

All: 3992.184+/-252.398 χ^2/NDF: 113.0/112



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: 2248.692+/-0.355 χ^2/NDF: 189832.5/33

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

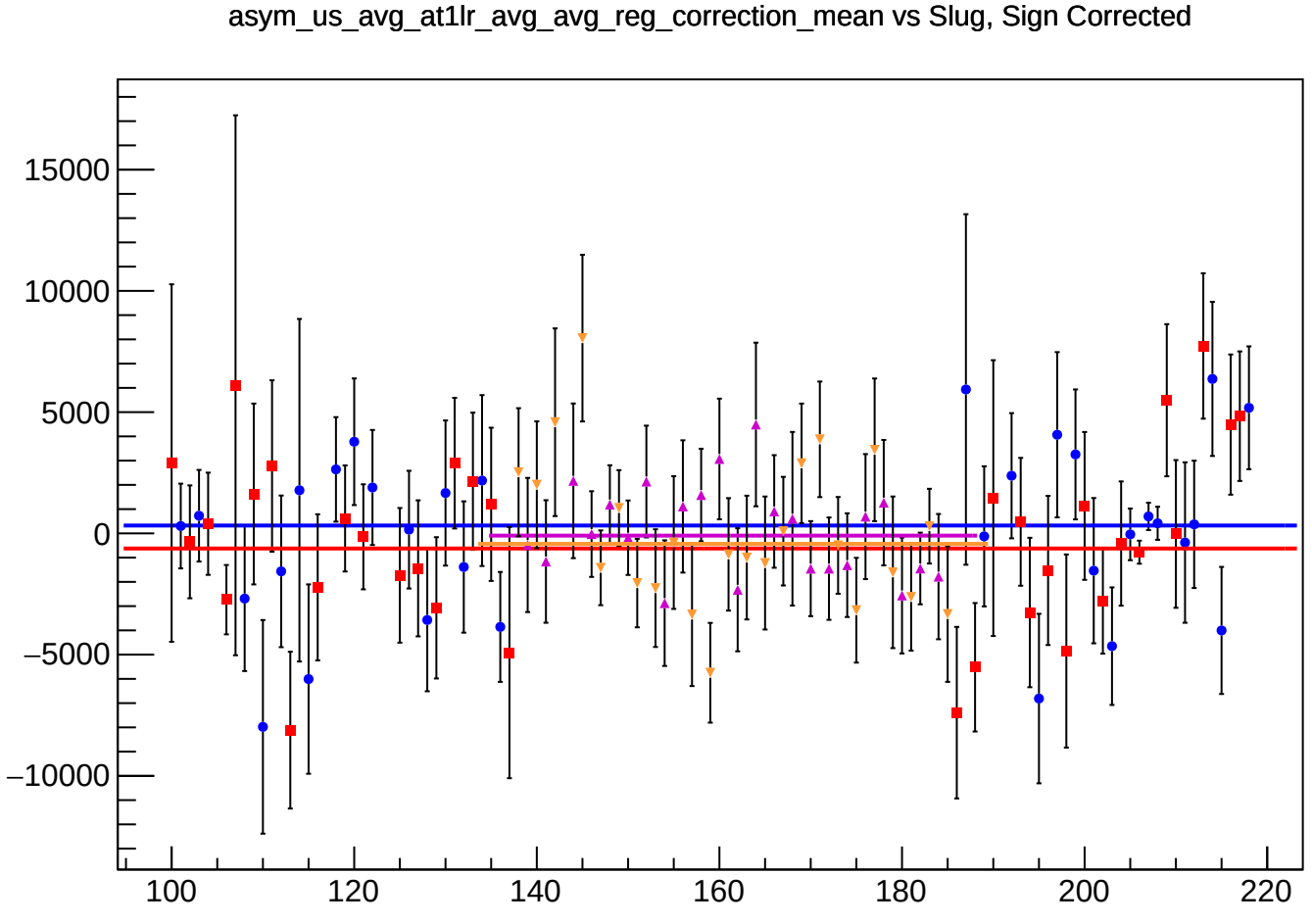
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

Right: 2240.533+/-0.250 χ^2/NDF: 730967.3/65

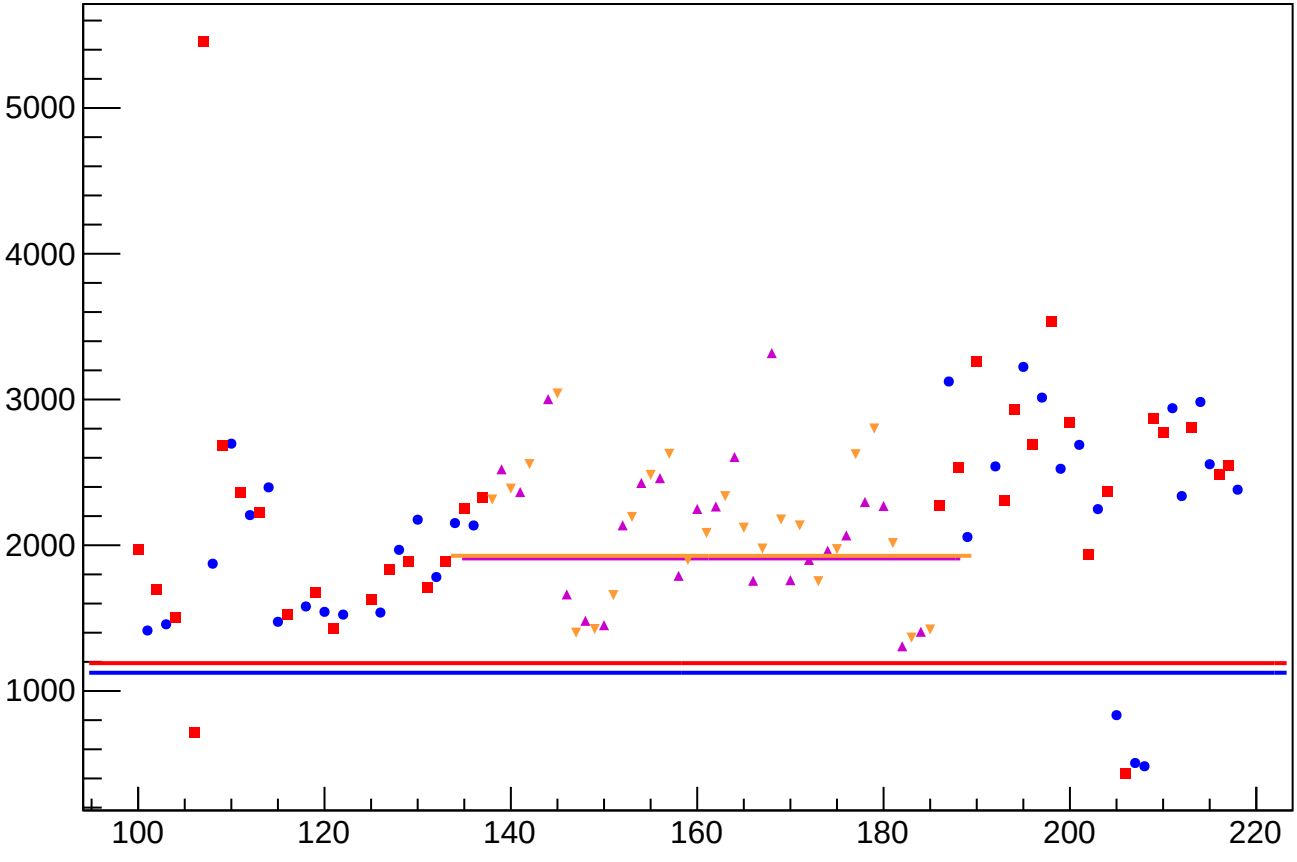
In: 2210.073+/-0.253 χ^2/NDF:550322.2/54

Out: 2217.252+/-0.252 χ^2/NDF:206521.5/57

All: 2213.667+/-0.178 χ^2/NDF: 757248.2/112


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: -623.675+/-339.983 χ²/NDF: 44.7/33
Left In: -92.649+/-460.669 χ²/NDF:12.8/22
Left: -261.837+/-326.347 χ²/NDF: 44.3/46
Right: -115.706+/-231.560 χ²/NDF: 88.9/65
In: 190.420+/-260.727 χ²/NDF:53.4/54
Out: -556.513+/-273.909 χ²/NDF:76.1/57
All: -164.641+/-188.850 χ²/NDF: 133.4/112

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



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: 1191.155+/-0.240 χ^2/NDF: 14473601.4/33

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

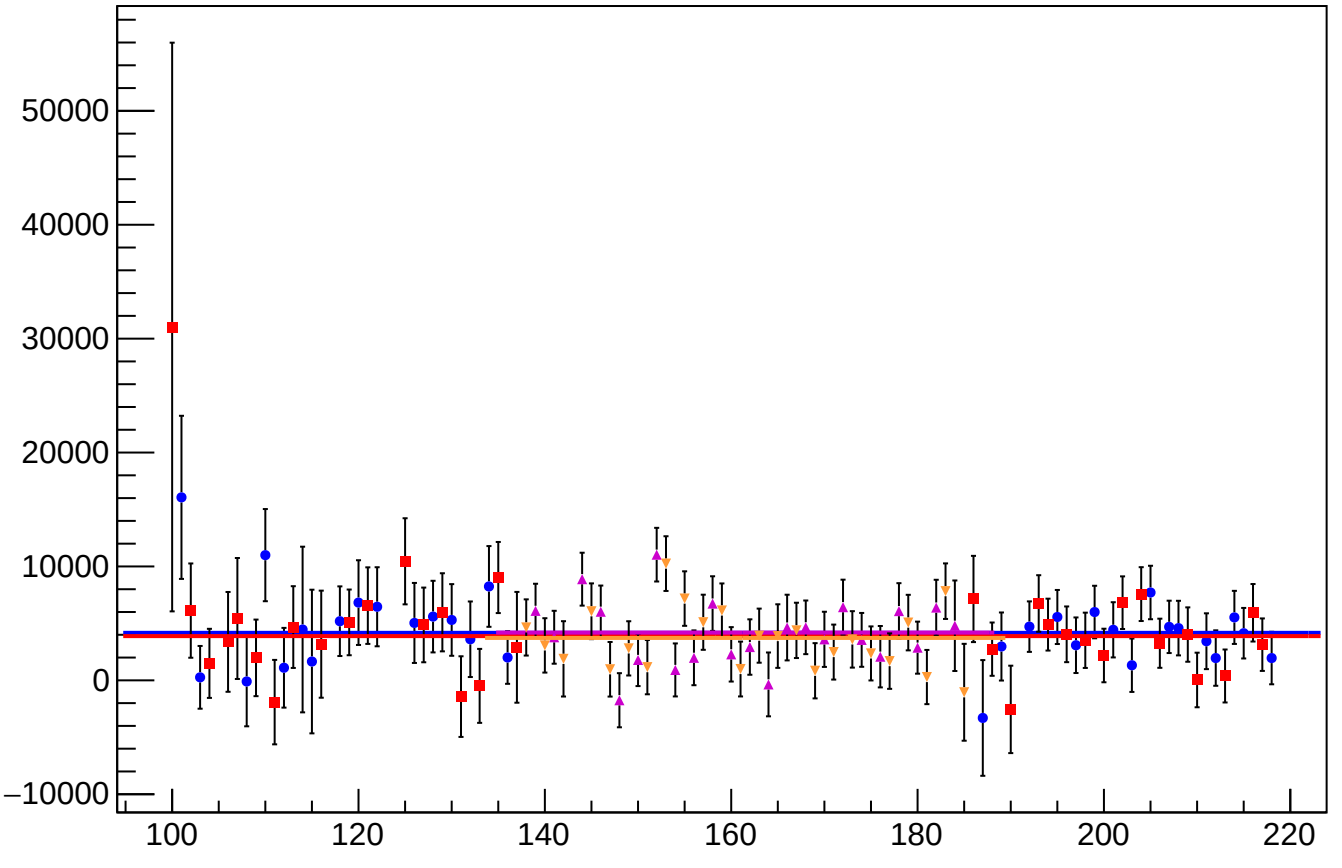
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1155.784+/-0.164 χ^2/NDF: 27630336.0/65

In: 1376.453+/-0.184 χ^2/NDF:19000164.3/54

Out: 1449.609+/-0.194 χ^2/NDF:19565621.9/57

All: 1411.228+/-0.134 χ^2/NDF: 38640635.8/1



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: 3882.928+/-501.796 χ^2/NDF: 31.8/33

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

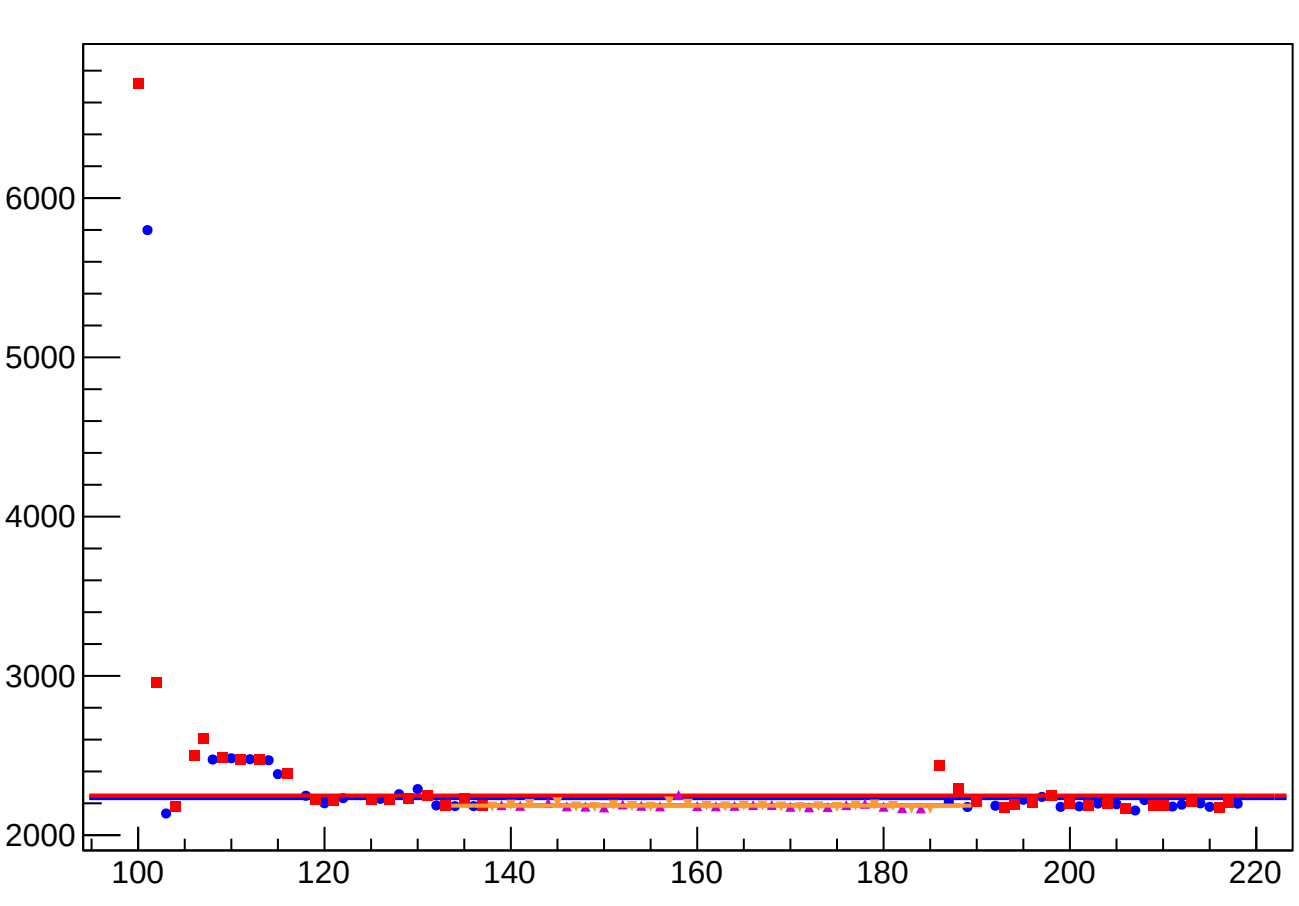
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4028.068+/-354.149 χ^2/NDF: 54.9/65

In: 4183.832+/-357.196 χ^2/NDF:55.1/54

Out: 3804.027+/-356.703 χ^2/NDF:57.3/57

All: 3993.667+/-252.401 χ^2/NDF: 112.9/112



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: 2248.805+/-0.355 χ^2/NDF: 190331.3/33

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

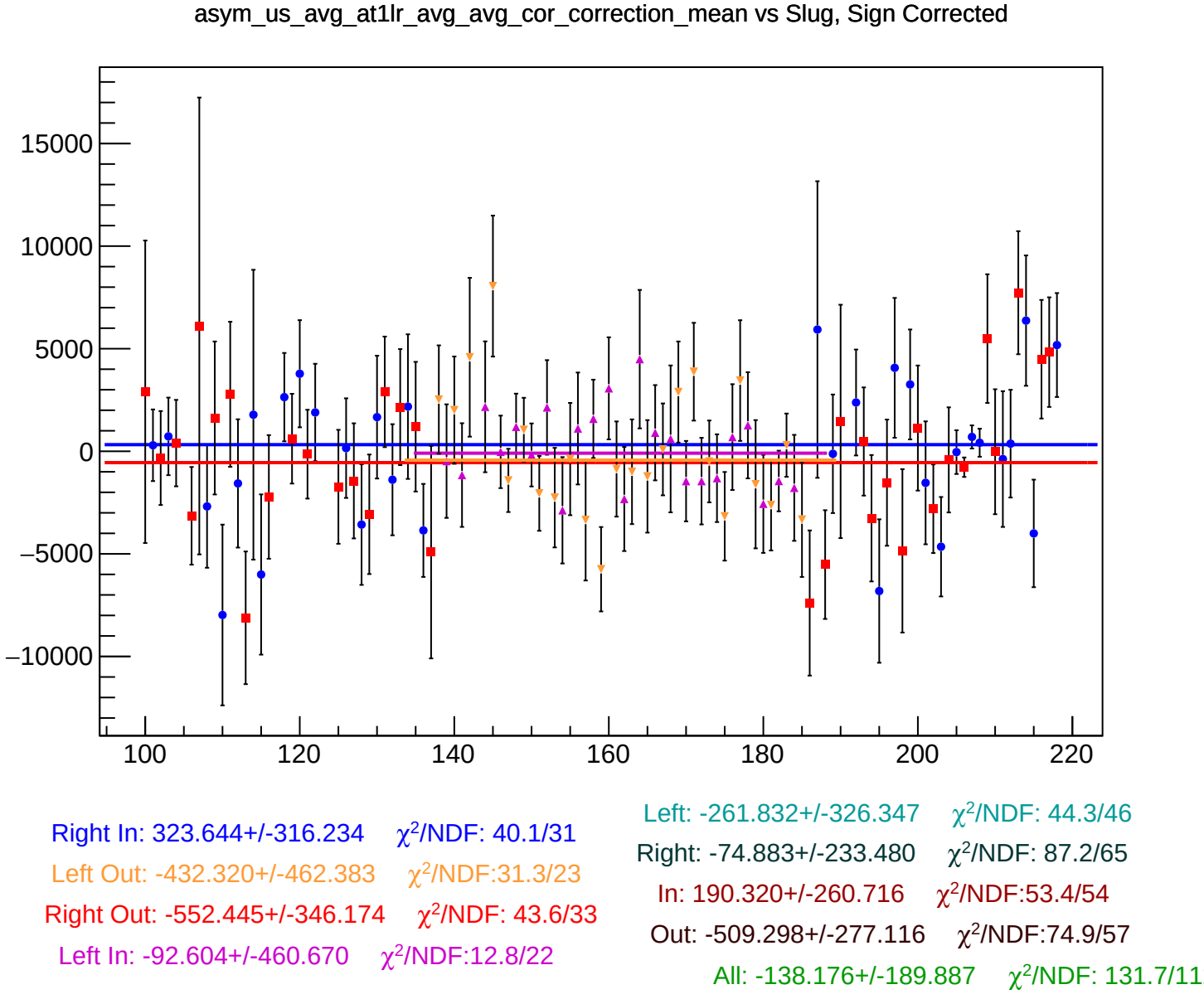
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

Right: 2240.589+/-0.250 χ^2/NDF: 731481.3/65

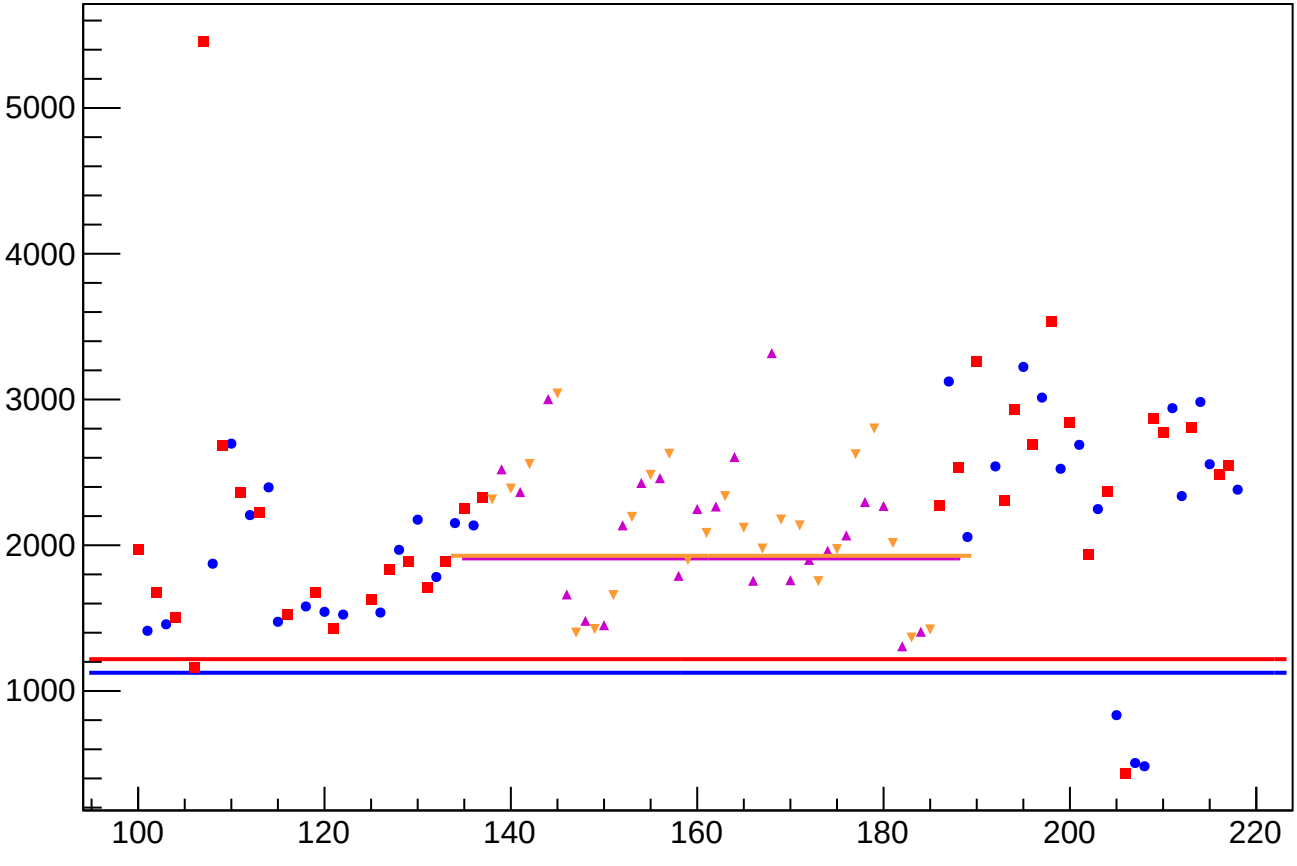
In: 2210.073+/-0.253 χ^2/NDF:550322.6/54

Out: 2217.307+/-0.252 χ^2/NDF:207076.0/57

All: 2213.695+/-0.178 χ^2/NDF: 757809.4/112


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: -552.445+/-346.174 χ²/NDF: 43.6/33
Left In: -92.604+/-460.670 χ²/NDF:12.8/22
Left: -261.832+/-326.347 χ²/NDF: 44.3/46
Right: -74.883+/-233.480 χ²/NDF: 87.2/65
In: 190.320+/-260.716 χ²/NDF:53.4/54
Out: -509.298+/-277.116 χ²/NDF:74.9/57
All: -138.176+/-189.887 χ²/NDF: 131.7/112

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: 1218.512+/-0.245 χ^2/NDF: 14235531.9/33

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

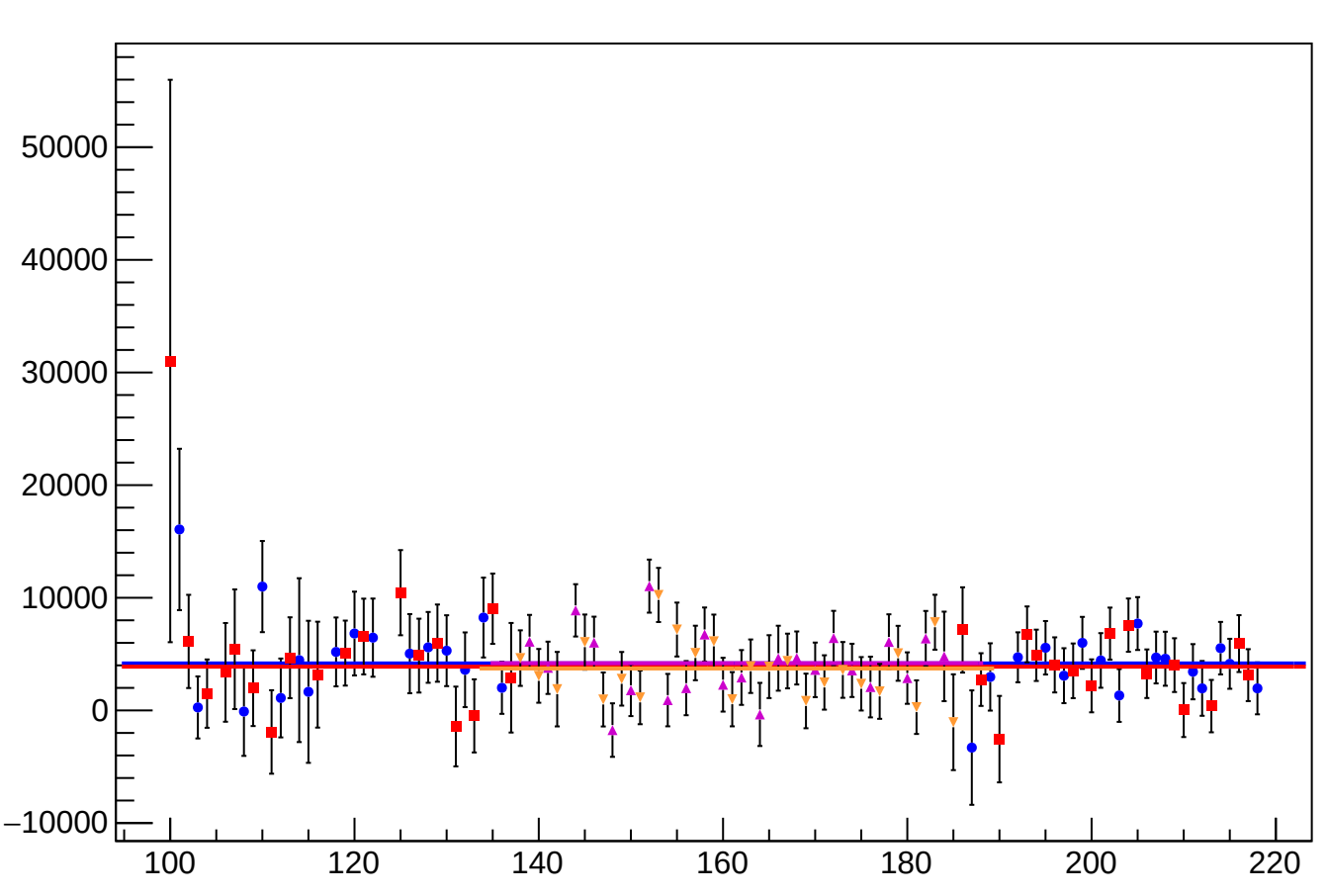
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1167.599+/-0.165 χ^2/NDF: 27431219.8/65

In: 1376.388+/-0.184 χ^2/NDF:19001011.7/54

Out: 1473.227+/-0.196 χ^2/NDF:19048550.6/57

All: 1421.857+/-0.134 χ^2/NDF: 38179121.8/



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: 3882.928+/-501.796 χ^2/NDF: 31.8/33

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

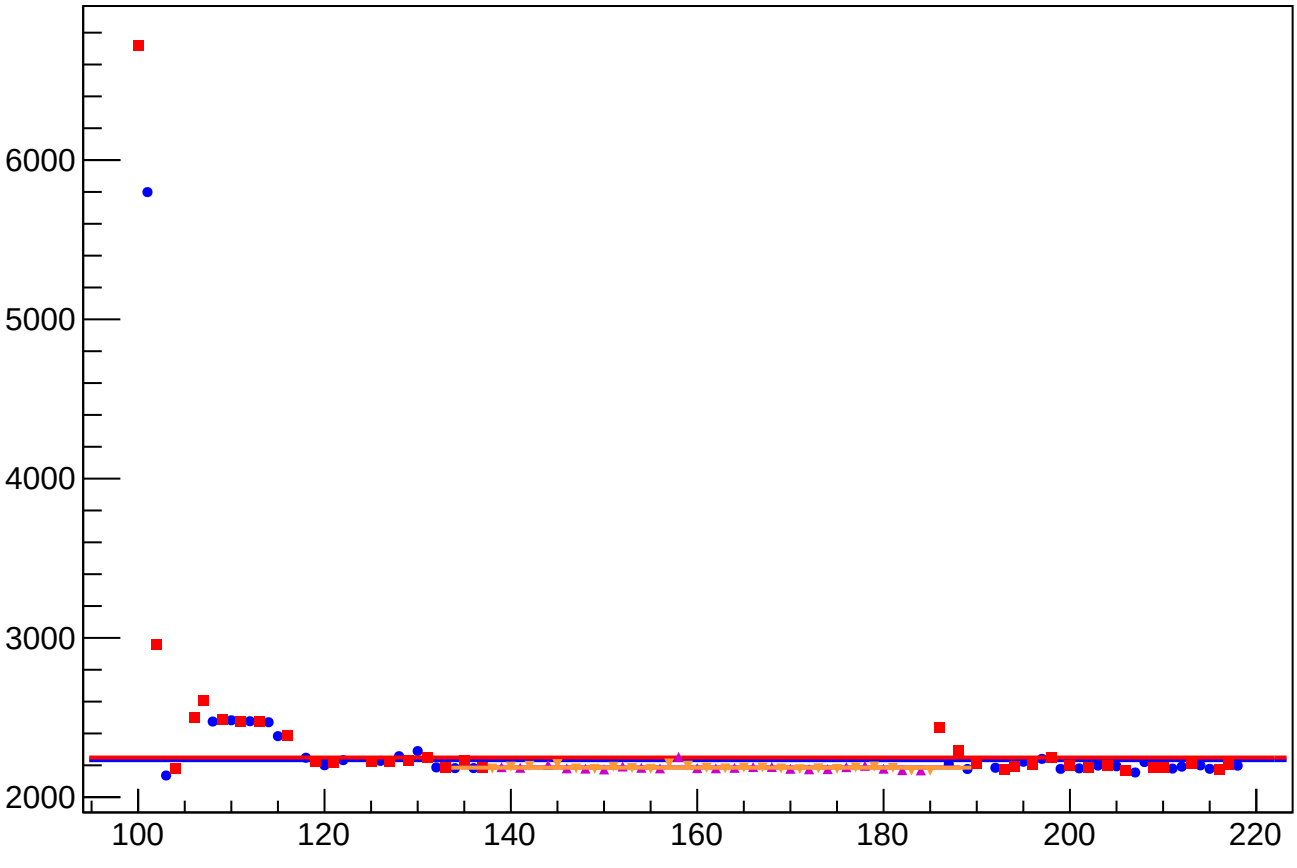
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4028.068+/-354.149 χ^2/NDF: 54.9/65

In: 4183.832+/-357.196 χ^2/NDF:55.1/54

Out: 3804.027+/-356.703 χ^2/NDF:57.3/57

All: 3993.667+/-252.401 χ^2/NDF: 112.9/112



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: 2248.805+/-0.355 χ^2/NDF: 190331.3/33

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

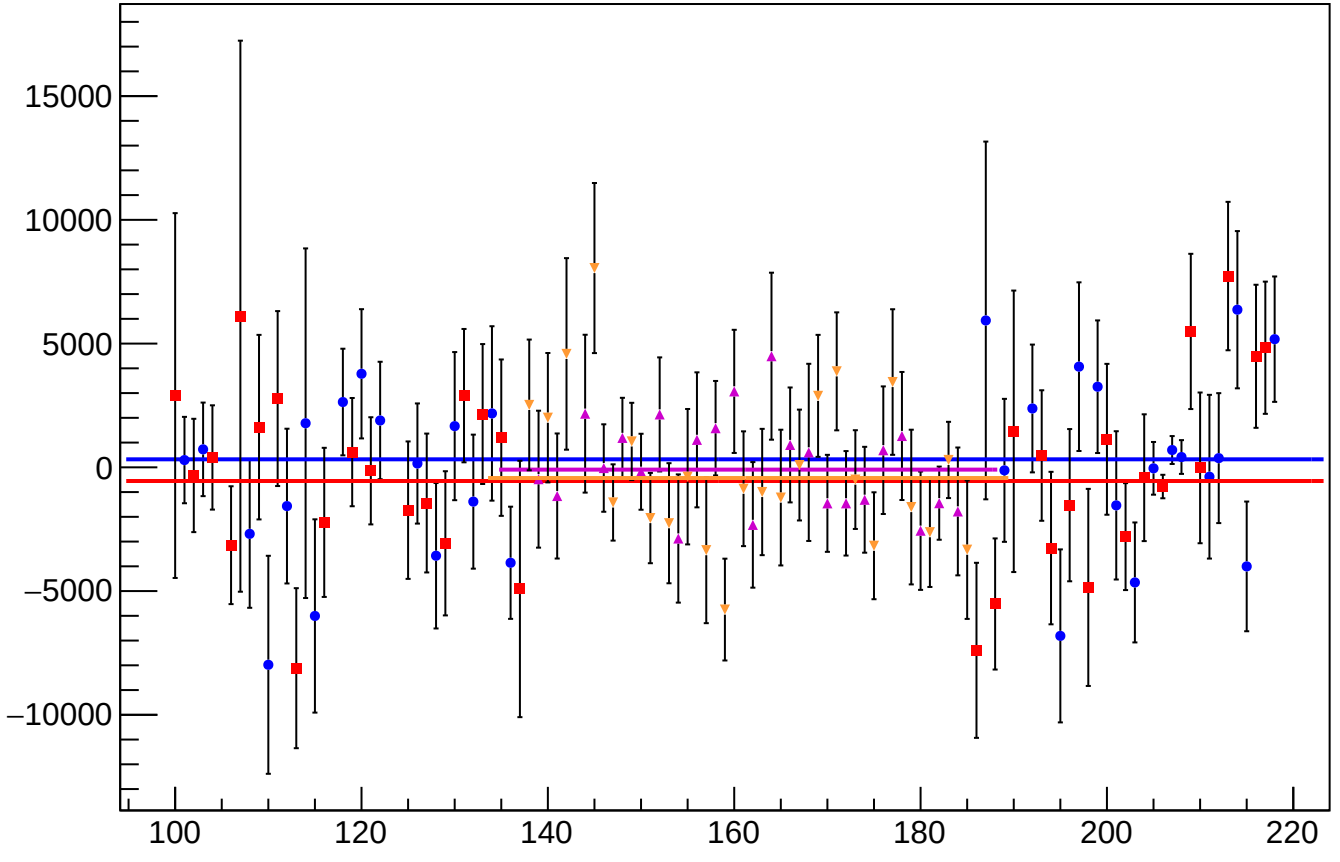
Right: 2240.589+/-0.250 χ^2/NDF: 731481.3/65

In: 2210.073+/-0.253 χ^2/NDF:550322.6/54

Out: 2217.307+/-0.252 χ^2/NDF:207076.0/57

All: 2213.695+/-0.178 χ^2/NDF: 757809.4/112

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: -552.445+/-346.174 χ^2/NDF: 43.6/33

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

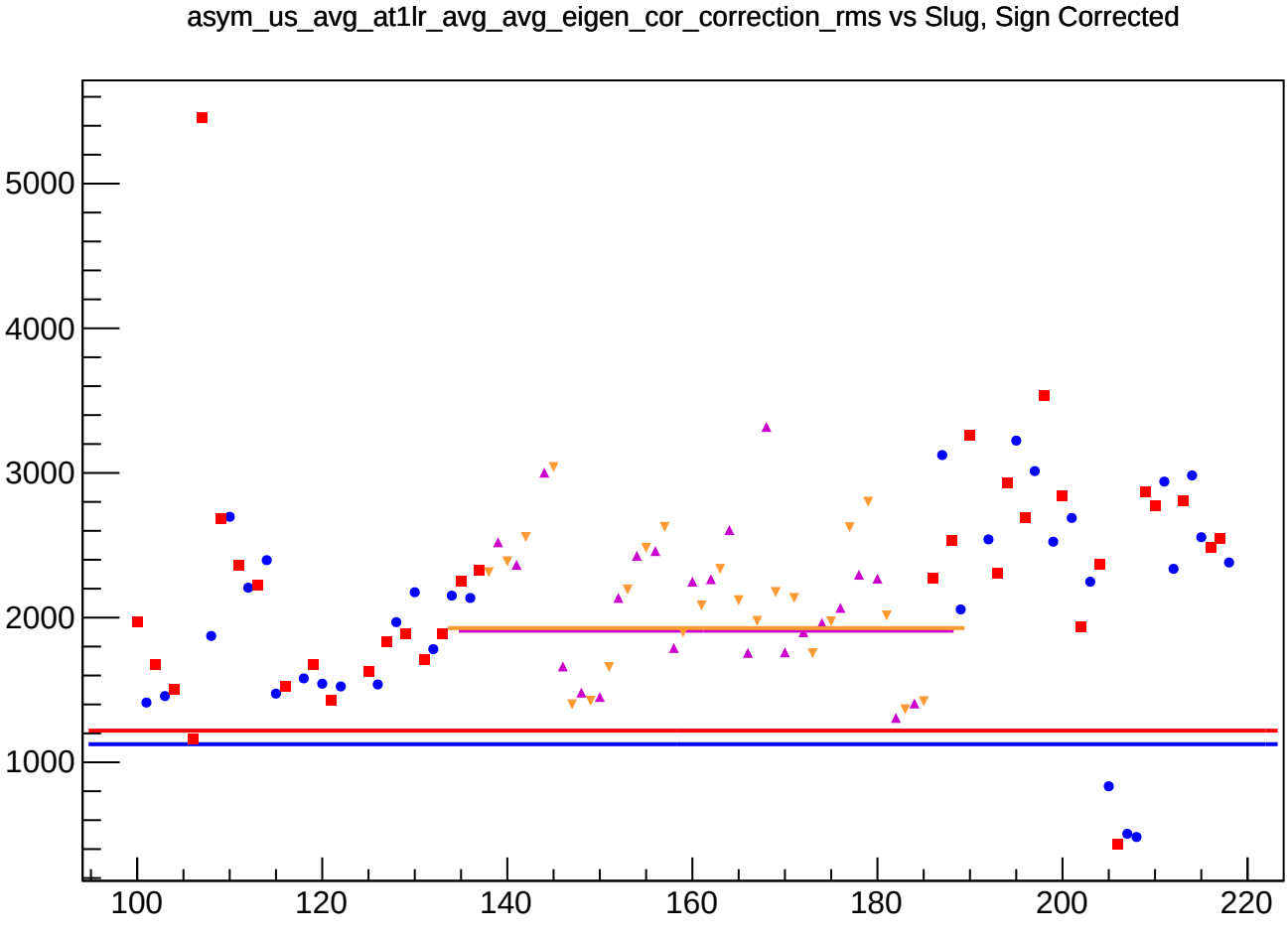
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

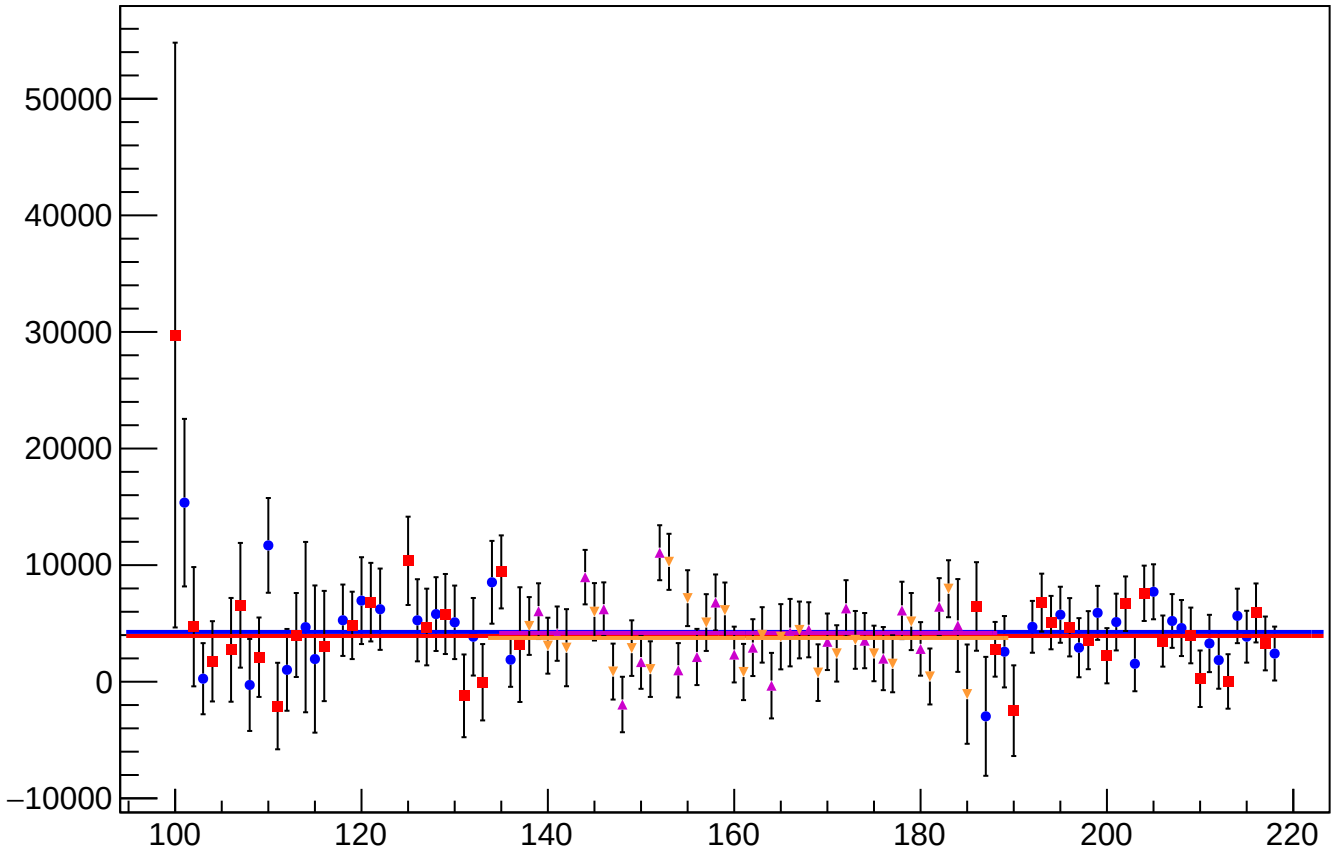
Right: -74.883+/-233.480 χ^2/NDF: 87.2/65

In: 190.320+/-260.716 χ^2/NDF:53.4/54

Out: -509.298+/-277.116 χ^2/NDF:74.9/57

All: -138.176+/-189.887 χ^2/NDF: 131.7/112


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1125.112+/-0.224 χ²/NDF: 13116324.9/31
Left Out: 1927.659+/-0.327 χ²/NDF:1798407.2/23
Right Out: 1218.512+/-0.245 χ²/NDF: 14235531.9/33
Left In: 1909.618+/-0.326 χ²/NDF:1942286.8/22
Left: 1918.605+/-0.231 χ²/NDF: 3742222.0/46
Right: 1167.599+/-0.165 χ²/NDF: 27431219.8/65
In: 1376.388+/-0.184 χ²/NDF:19001011.7/54
Out: 1473.227+/-0.196 χ²/NDF:19048550.6/57
All: 1421.857+/-0.134 χ²/NDF: 38179121.8/



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: 3923.323+/-508.260 χ^2/NDF: 30.7/33

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

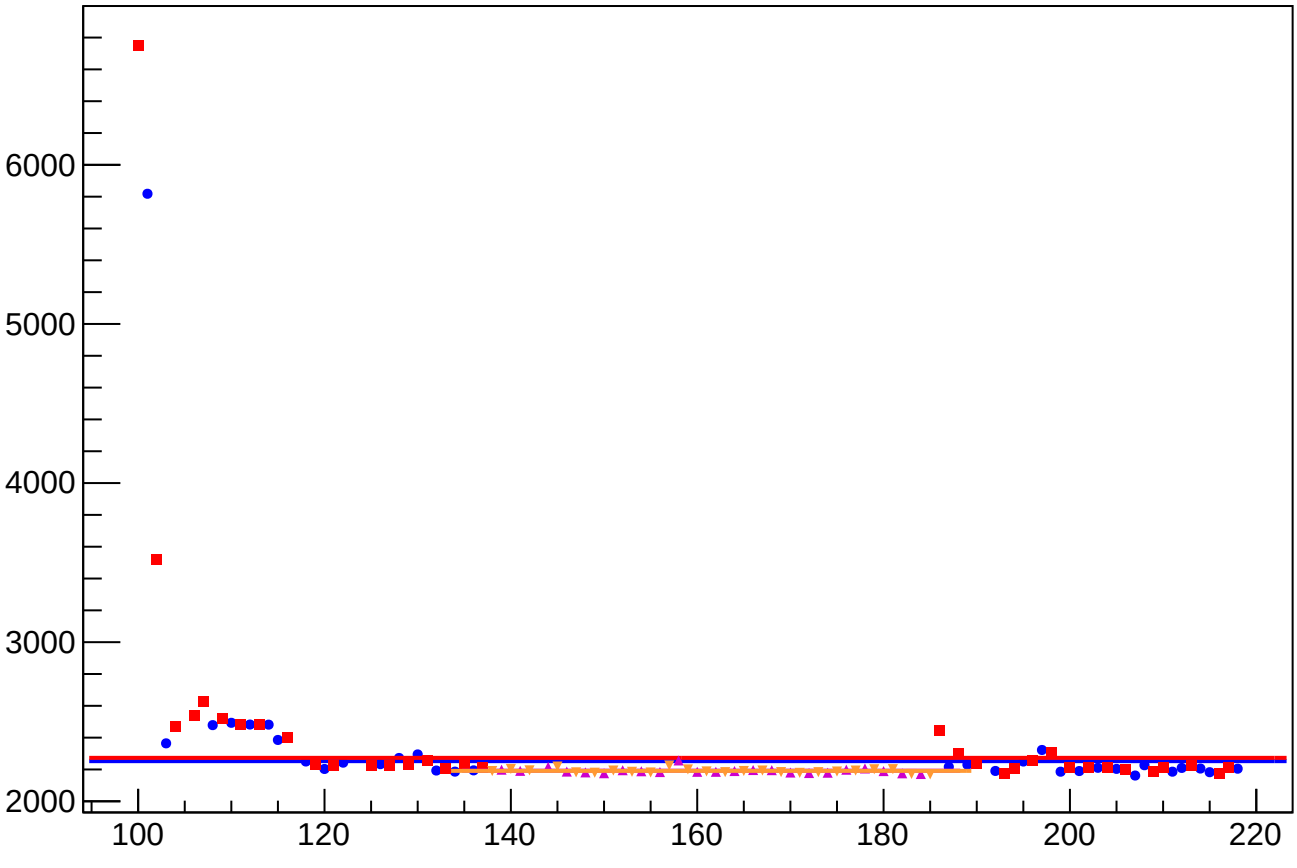
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4098.722+/-358.022 χ^2/NDF: 54.0/65

In: 4228.481+/-359.274 χ^2/NDF:55.7/54

Out: 3838.745+/-359.503 χ^2/NDF:56.4/57

All: 4033.737+/-254.126 χ^2/NDF: 112.7/112



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: 2273.010+/-0.359 χ^2/NDF: 258781.1/33

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

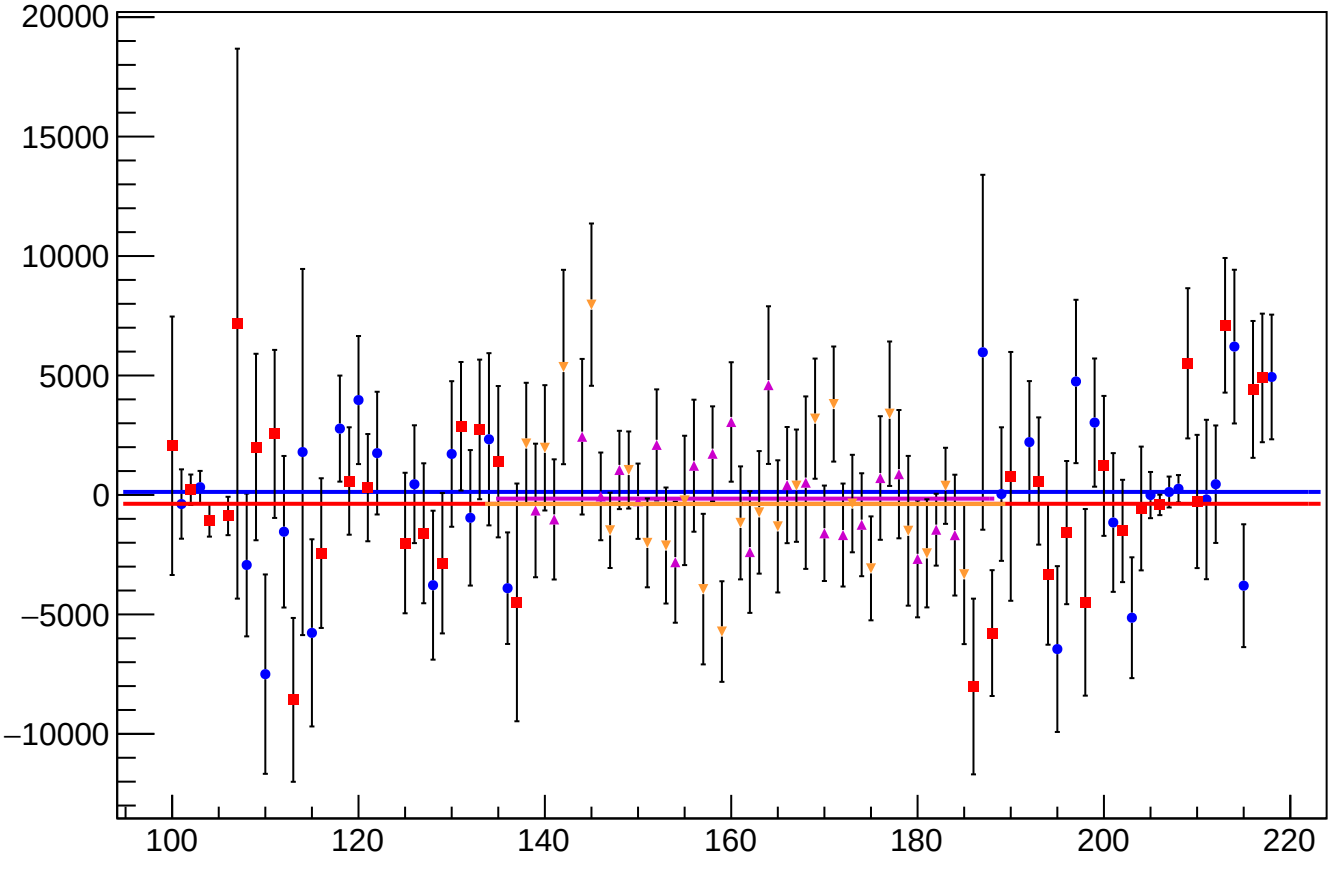
Right: 2262.513+/-0.253 χ^2/NDF: 800926.3/65

In: 2222.628+/-0.254 χ^2/NDF:556663.5/54

Out: 2232.103+/-0.254 χ^2/NDF:285936.7/57

All: 2227.363+/-0.180 χ^2/NDF: 843295.3/112

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: -370.020+/-259.359 χ^2/NDF: 43.9/33

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

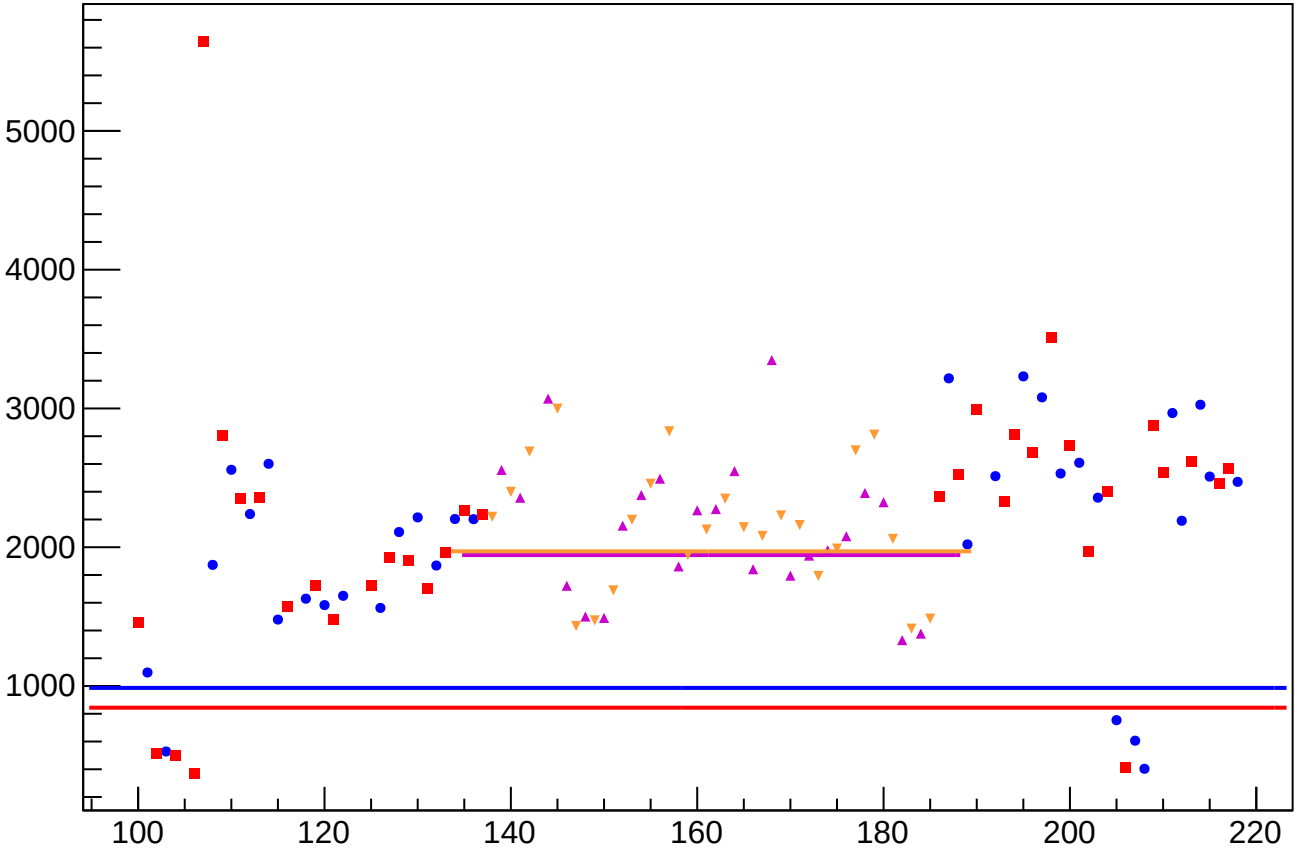
Right: -145.190+/-191.920 χ^2/NDF: 83.8/65

In: 50.655+/-243.620 χ^2/NDF:51.3/54

Out: -372.452+/-227.245 χ^2/NDF:74.7/57

All: -175.594+/-166.174 χ^2/NDF: 127.6/112

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



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: 843.790+/-0.183 χ^2/NDF: 18387188.1/33

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

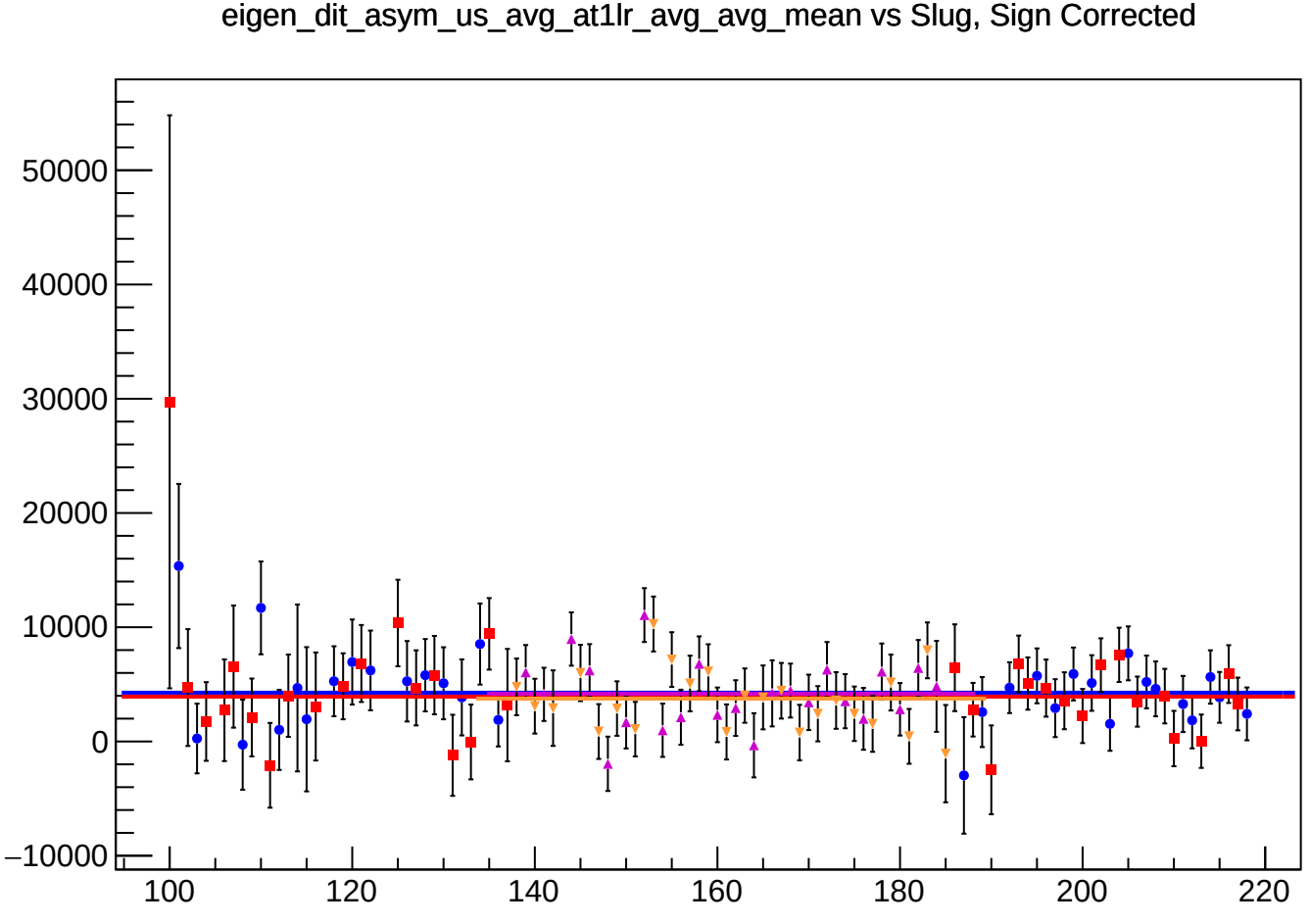
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 908.304+/-0.136 χ^2/NDF: 33379383.9/65

In: 1245.776+/-0.172 χ^2/NDF:22701545.0/54

Out: 1105.568+/-0.161 χ^2/NDF:28854536.8/57

All: 1170.802+/-0.118 χ^2/NDF: 51910315.0/



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: 3923.322+/-508.260 χ^2/NDF: 30.7/33

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

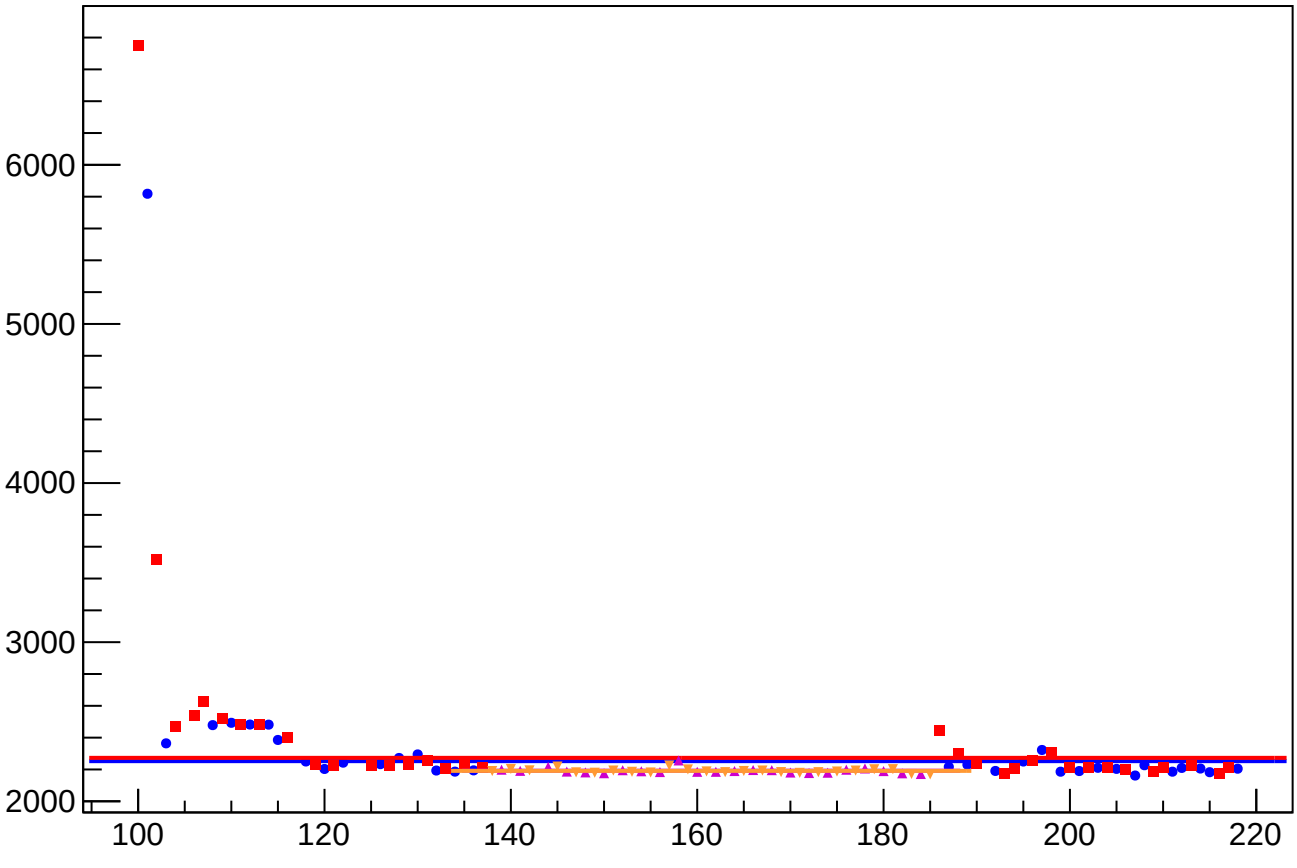
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4098.721+/-358.022 χ^2/NDF: 54.0/65

In: 4228.481+/-359.274 χ^2/NDF:55.7/54

Out: 3838.744+/-359.503 χ^2/NDF:56.4/57

All: 4033.737+/-254.126 χ^2/NDF: 112.7/112



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: 2273.010+/-0.359 χ^2/NDF: 258779.8/33

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

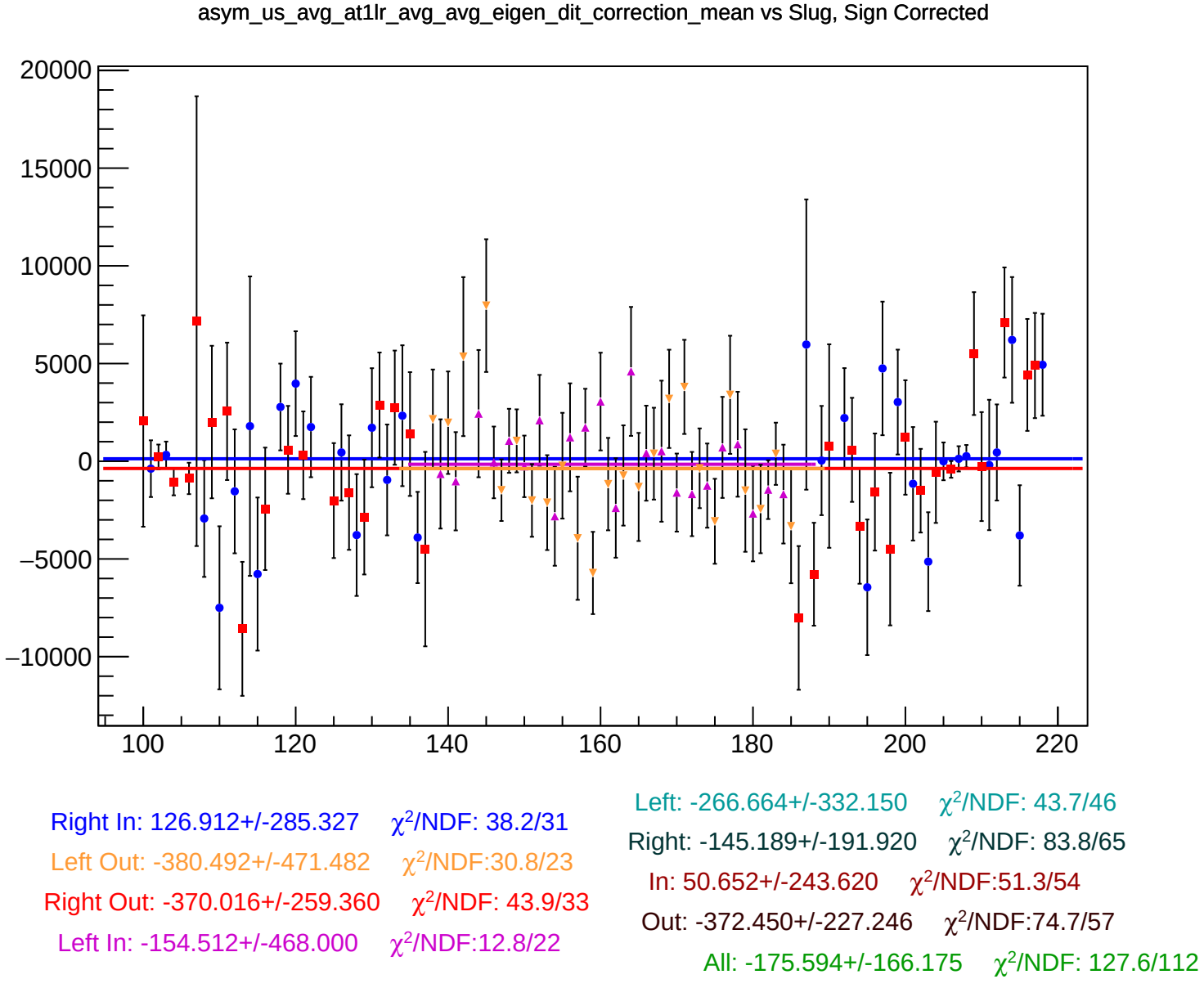
Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

Right: 2262.513+/-0.253 χ^2/NDF: 800924.8/65

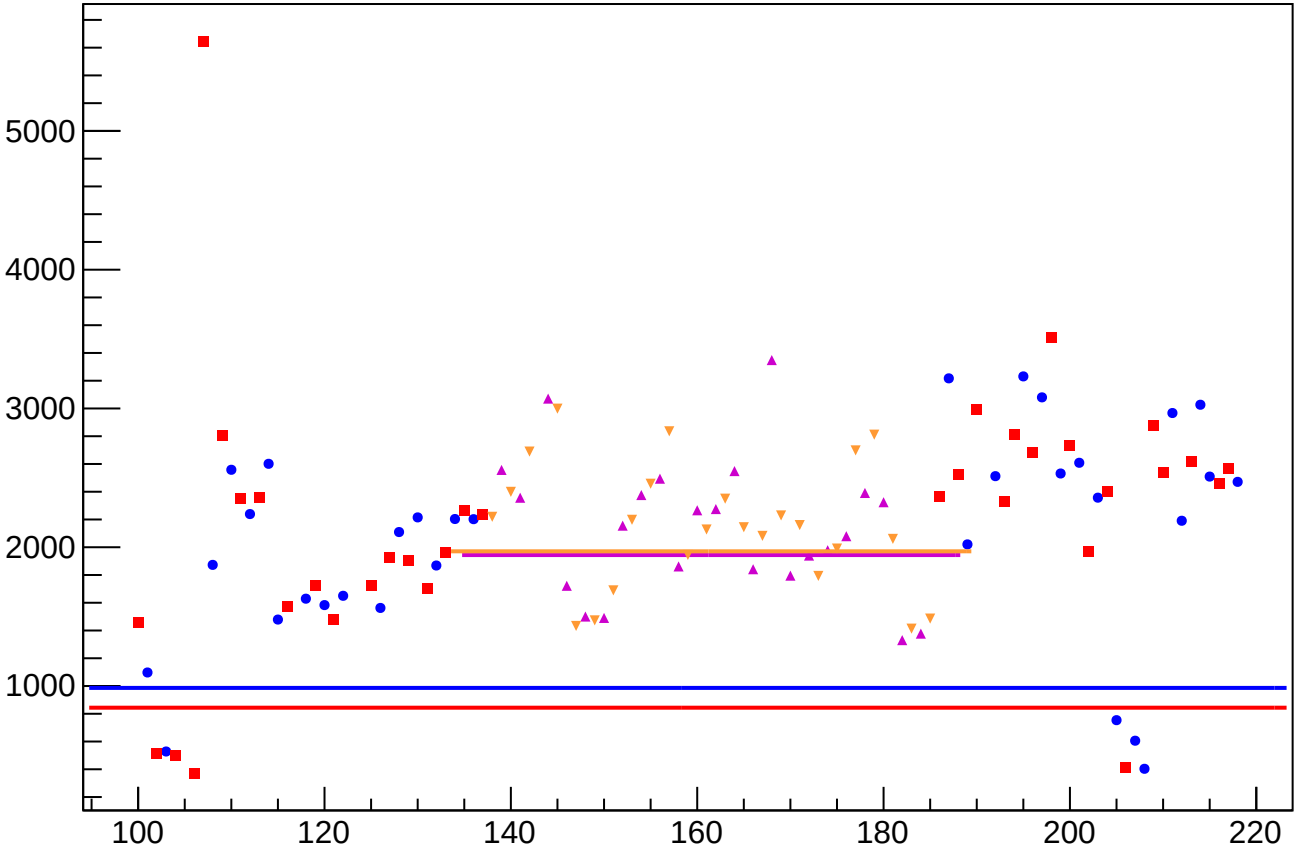
In: 2222.628+/-0.254 χ^2/NDF:556663.2/54

Out: 2232.103+/-0.254 χ^2/NDF:285935.3/57

All: 2227.363+/-0.180 χ^2/NDF: 843293.6/112


asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 126.912+/-285.327 χ²/NDF: 38.2/31
Left Out: -380.492+/-471.482 χ²/NDF:30.8/23
Right Out: -370.016+/-259.360 χ²/NDF: 43.9/33
Left In: -154.512+/-468.000 χ²/NDF:12.8/22
Left: -266.664+/-332.150 χ²/NDF: 43.7/46
Right: -145.189+/-191.920 χ²/NDF: 83.8/65
In: 50.652+/-243.620 χ²/NDF:51.3/54
Out: -372.450+/-227.246 χ²/NDF:74.7/57
All: -175.594+/-166.175 χ²/NDF: 127.6/112

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: 843.795+/-0.183 χ^2/NDF: 18387106.6/33

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

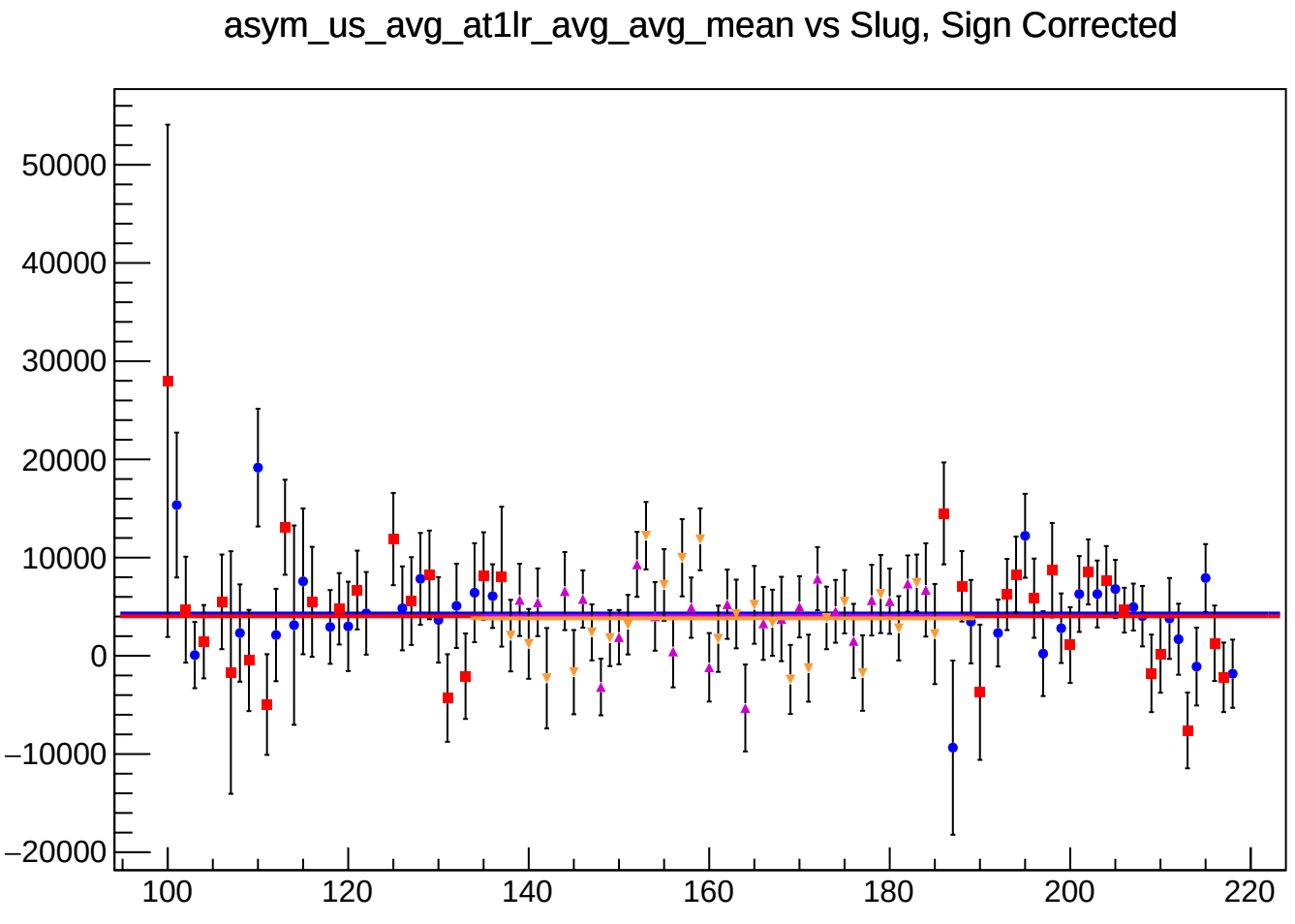
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 908.307+/-0.136 χ^2/NDF: 33379304.6/65

In: 1245.777+/-0.172 χ^2/NDF:22701595.6/54

Out: 1105.574+/-0.161 χ^2/NDF:28854392.6/57

All: 1170.806+/-0.118 χ^2/NDF: 51910193.7/1



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: 4026.413+/-720.837 χ^2/NDF: 48.2/33

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

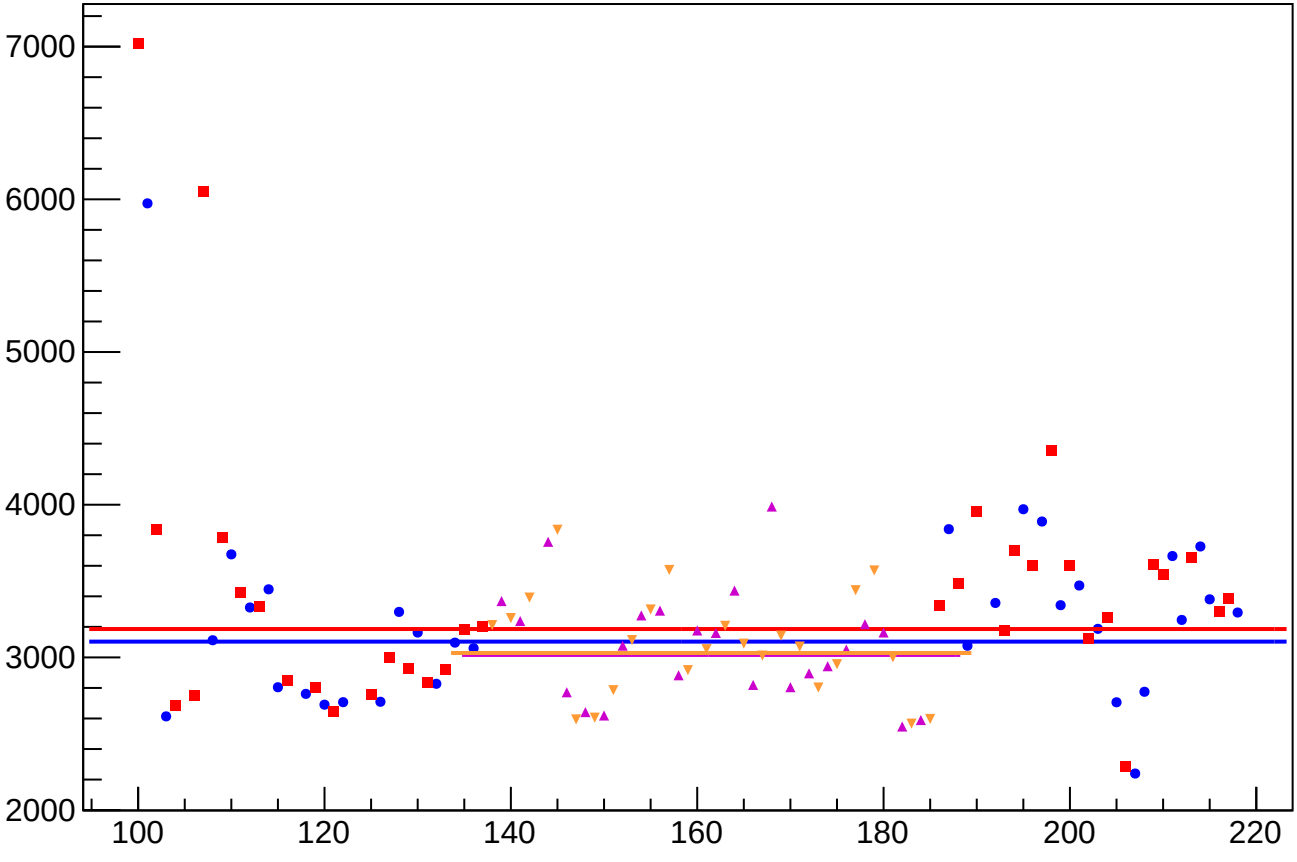
Right: 4171.224+/-503.327 χ^2/NDF: 75.5/65

In: 4176.931+/-499.446 χ^2/NDF:49.7/54

Out: 3920.297+/-505.222 χ^2/NDF:79.1/57

All: 4050.089+/-355.186 χ^2/NDF: 129.0/112

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



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: 3185.900+/-0.510 χ^2/NDF: 1006241.3/33

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

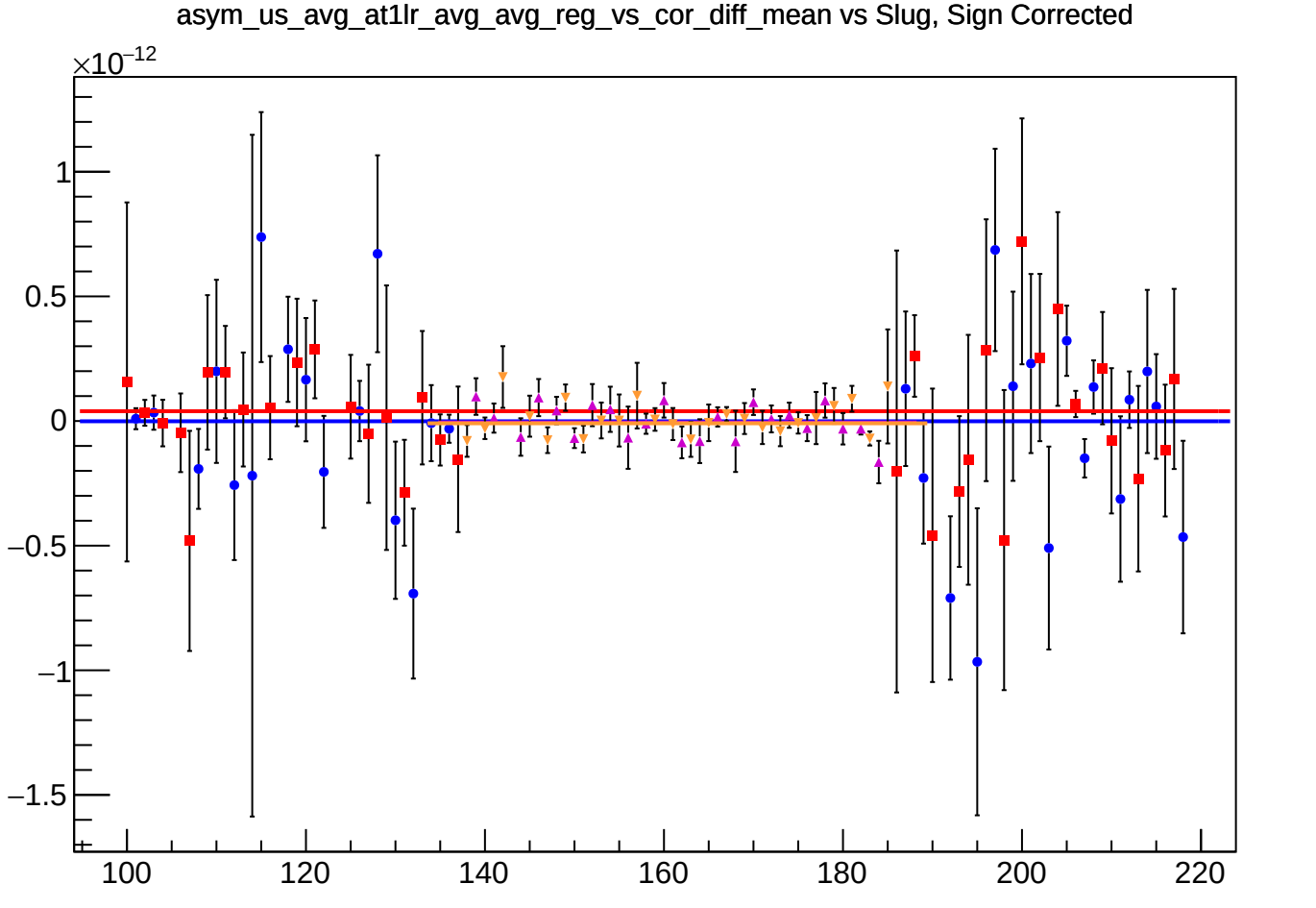
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3143.620+/-0.356 χ^2/NDF: 2104437.8/65

In: 3060.220+/-0.353 χ^2/NDF:1539886.8/54

Out: 3106.066+/-0.357 χ^2/NDF:1451570.5/57

All: 3082.880+/-0.251 χ^2/NDF: 2999786.6/11



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: 19.8/33

Left In: -0.000+/-0.000 χ^2/NDF:23.3/22

Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

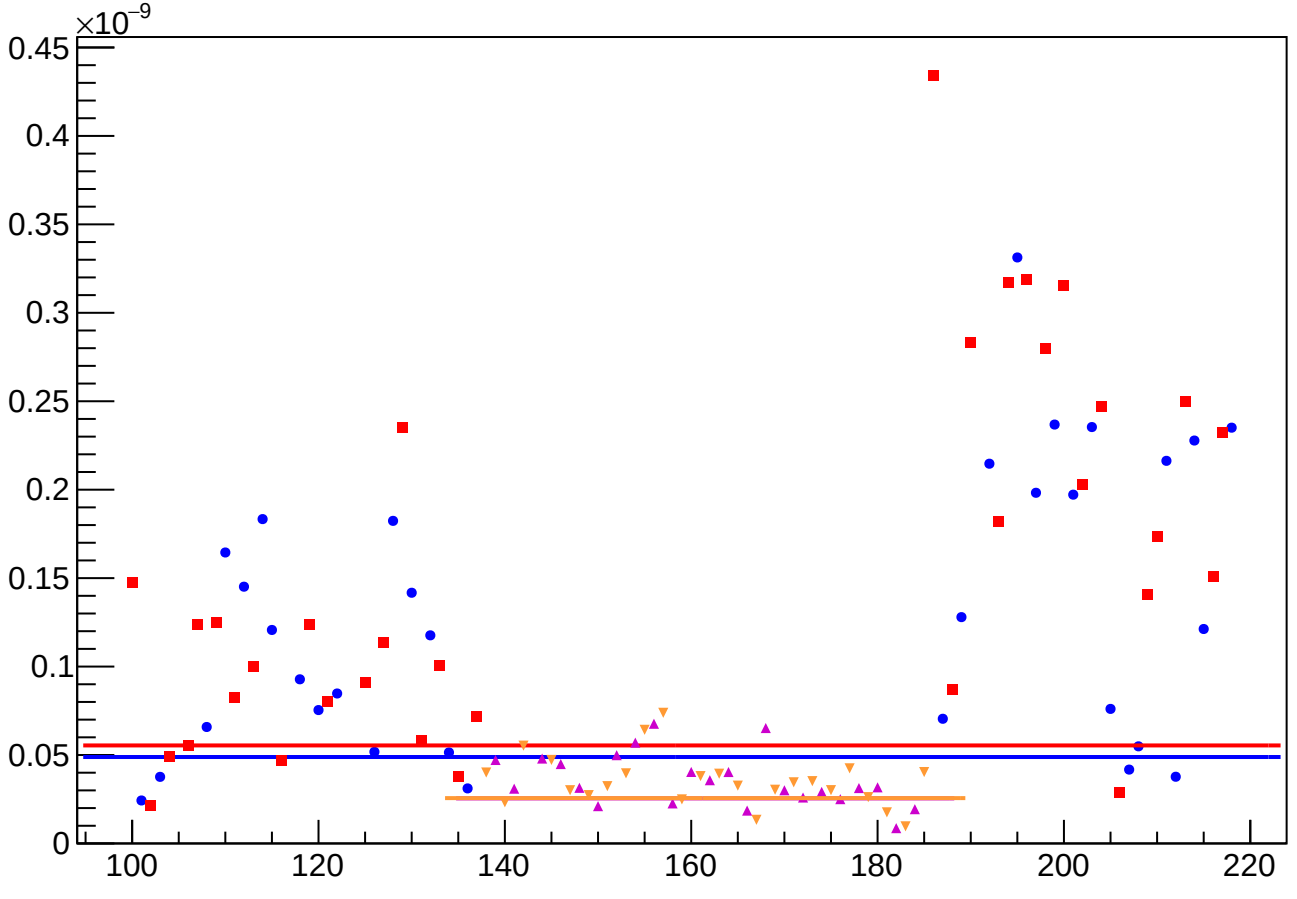
Right: 0.000+/-0.000 χ^2/NDF: 65.1/65

In: -0.000+/-0.000 χ^2/NDF:67.4/54

Out: -0.000+/-0.000 χ^2/NDF:46.7/57

All: -0.000+/-0.000 χ^2/NDF: 114.1/112

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6636338.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8099815.3/33

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

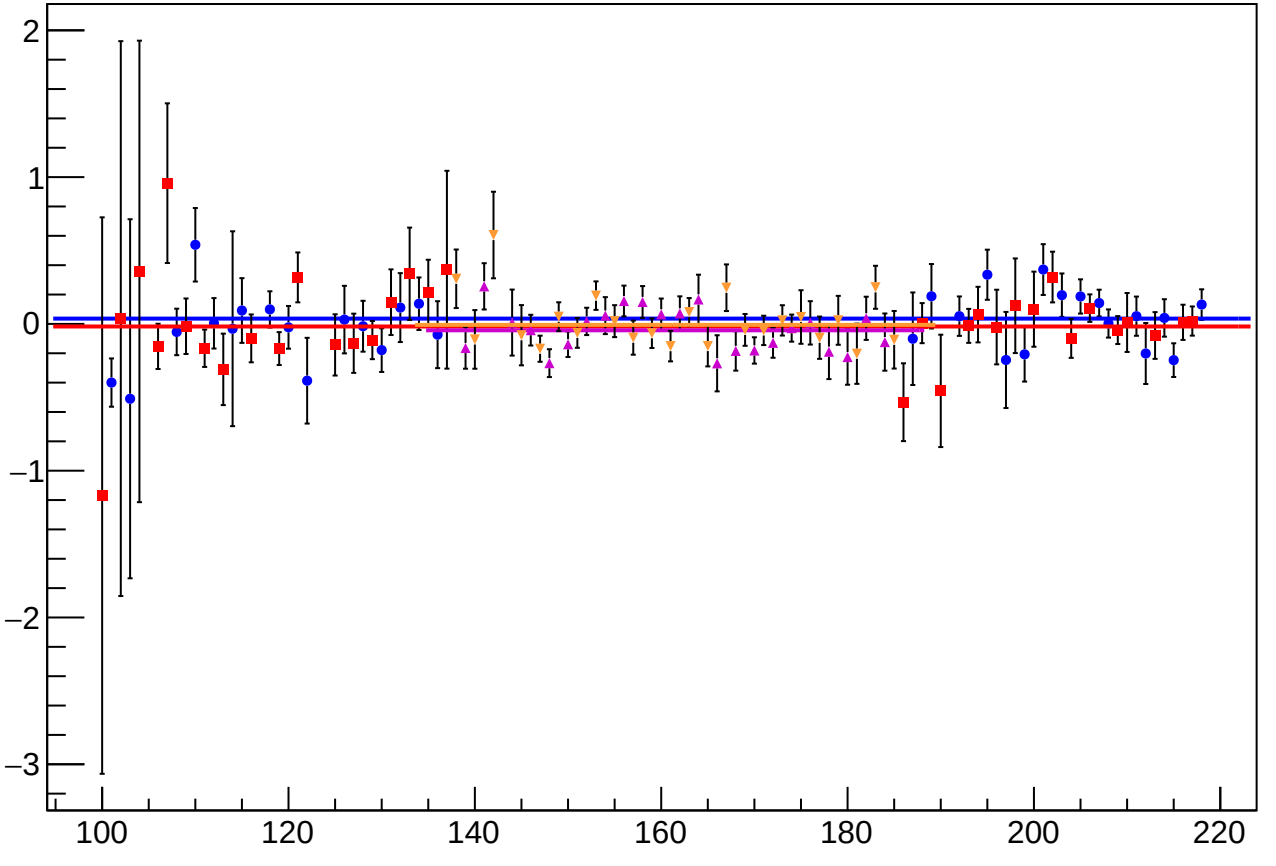
Right: 0.000+/-0.000 χ^2/NDF: 14802724.1/65

In: 0.000+/-0.000 χ^2/NDF:11085553.3/54

Out: 0.000+/-0.000 χ^2/NDF:12581662.2/57

All: 0.000+/-0.000 χ^2/NDF: 23667244.1/112

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: -0.018+/-0.028 χ^2/NDF: 29.7/33

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

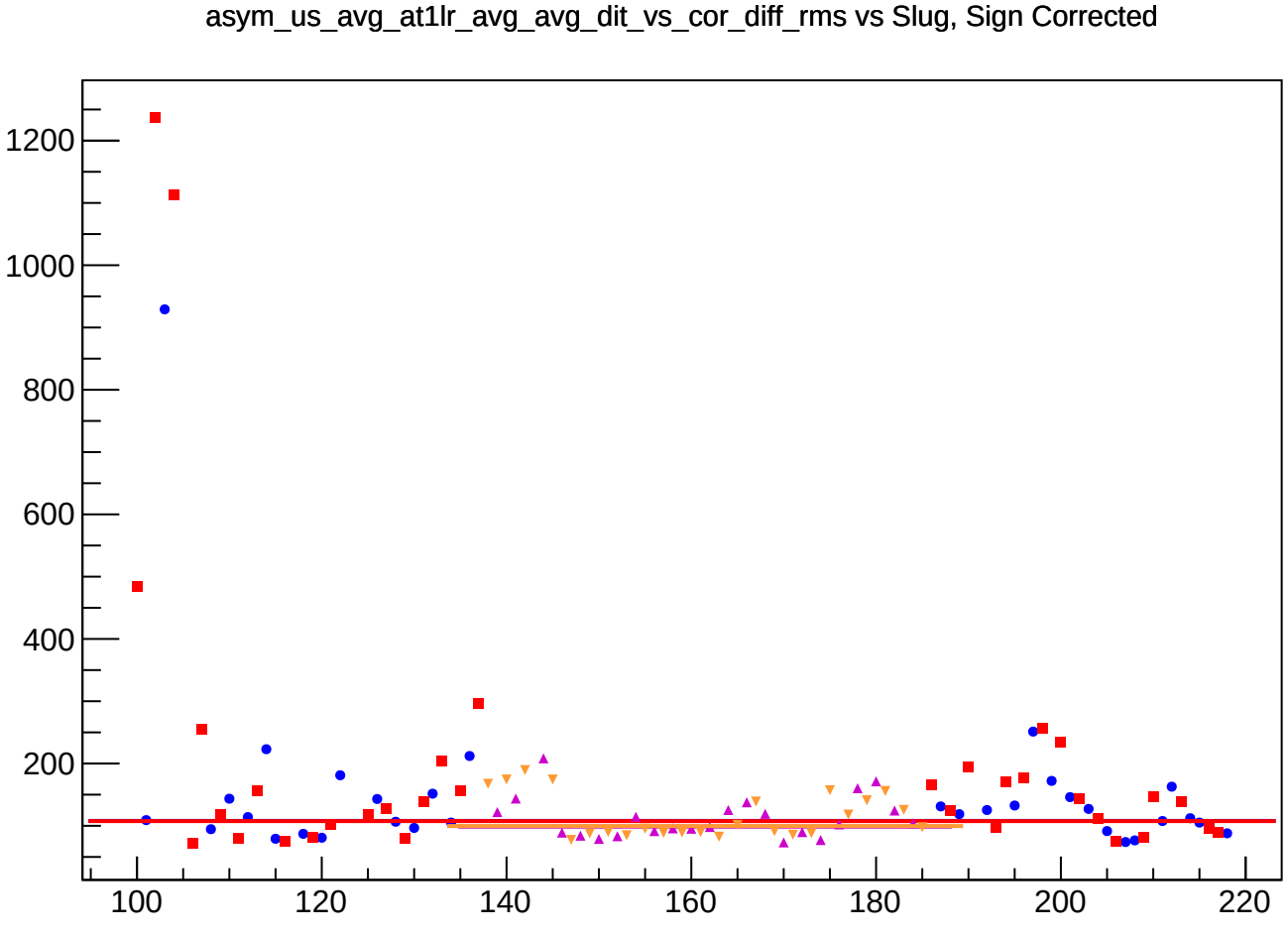
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.010+/-0.020 χ^2/NDF: 71.1/65

In: -0.008+/-0.019 χ^2/NDF:74.3/54

Out: -0.011+/-0.019 χ^2/NDF:57.5/57

All: -0.010+/-0.013 χ^2/NDF: 131.8/112



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: 107.550+/-0.020 χ^2/NDF: 5089565.0/33

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

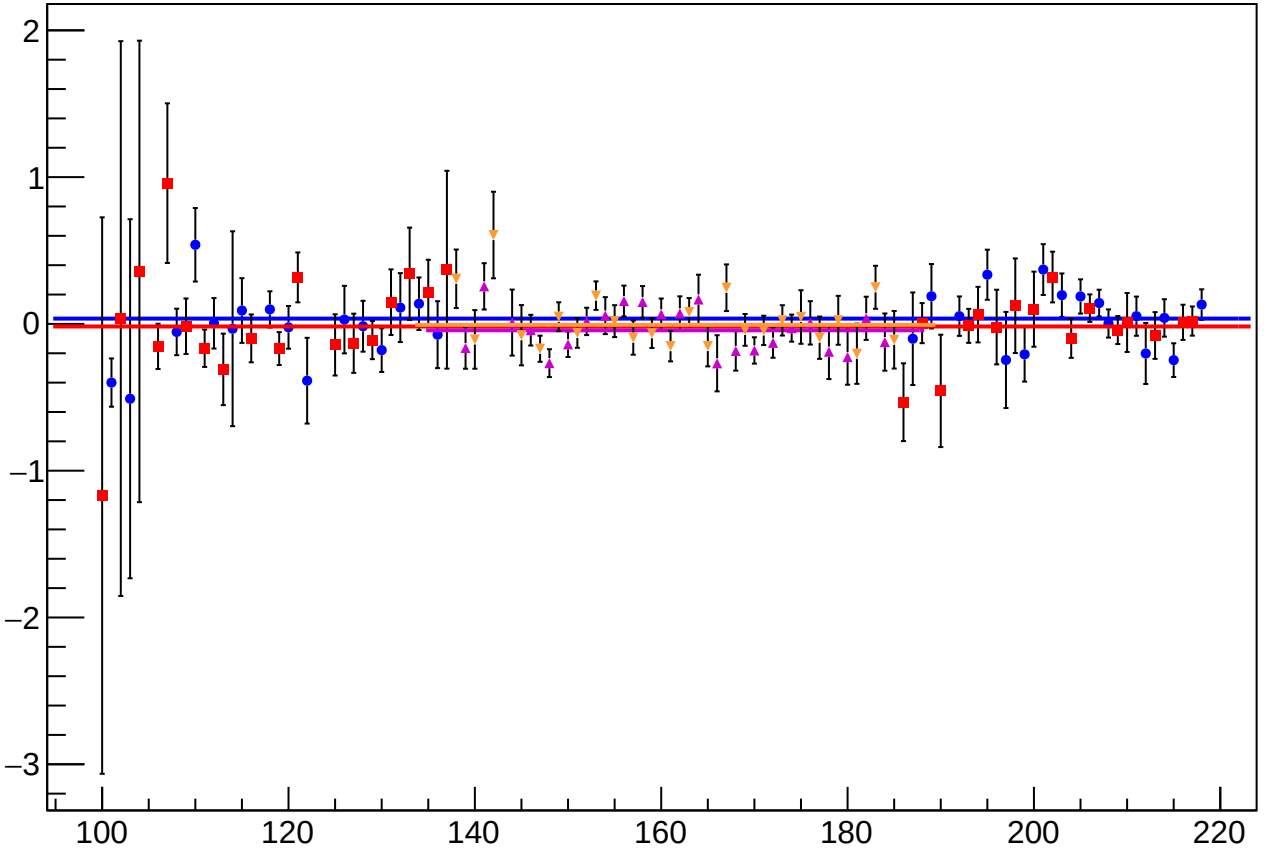
Right: 107.706+/-0.014 χ^2/NDF: 8531919.3/65

In: 102.782+/-0.013 χ^2/NDF:5565918.6/54

Out: 103.103+/-0.013 χ^2/NDF:7247781.2/57

All: 102.940+/-0.009 χ^2/NDF: 12813990.9/11

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: -0.018+/-0.028 χ^2/NDF: 29.7/33

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

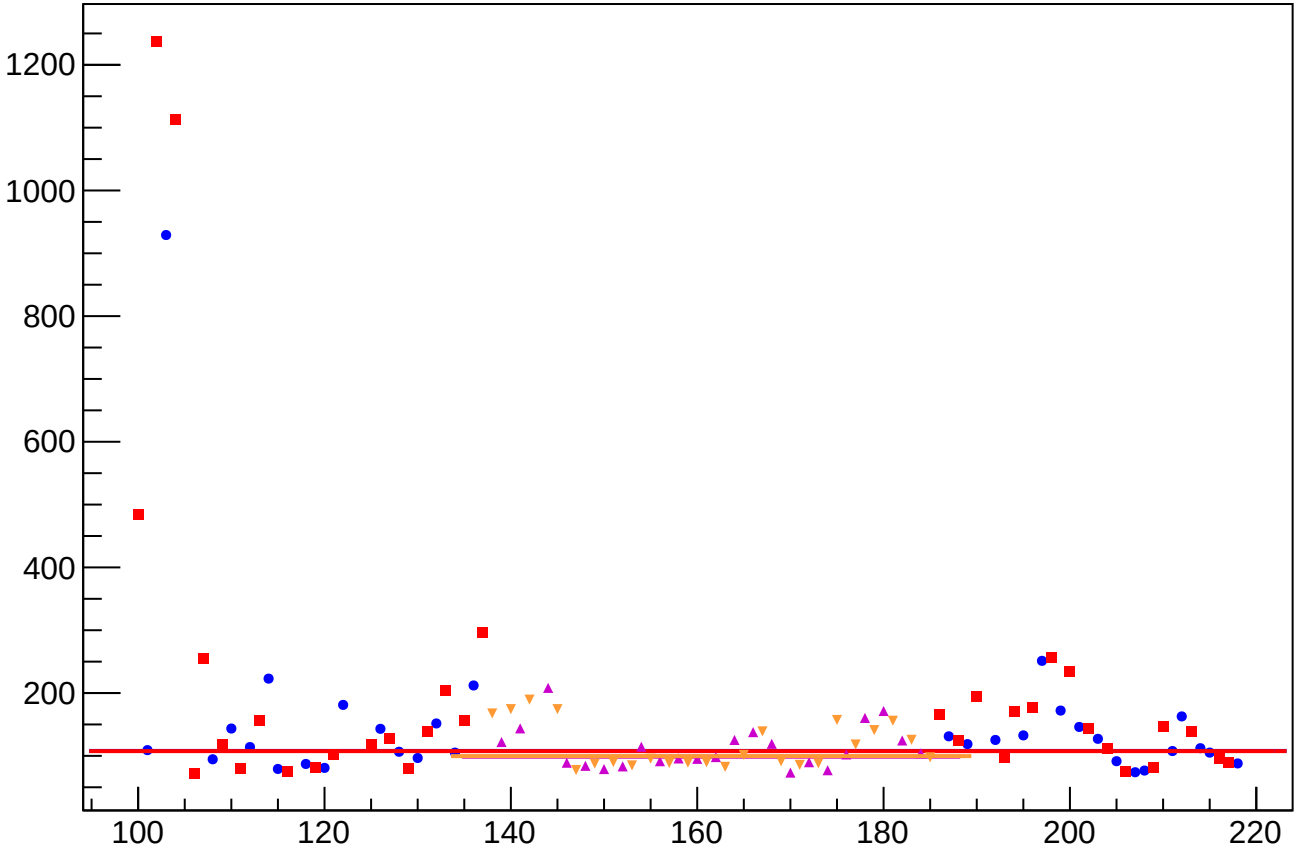
Right: 0.010+/-0.020 χ^2/NDF: 71.1/65

In: -0.008+/-0.019 χ^2/NDF:74.3/54

Out: -0.011+/-0.019 χ^2/NDF:57.5/57

All: -0.010+/-0.013 χ^2/NDF: 131.8/112

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 107.550+/-0.020 χ^2/NDF: 5089565.0/33

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

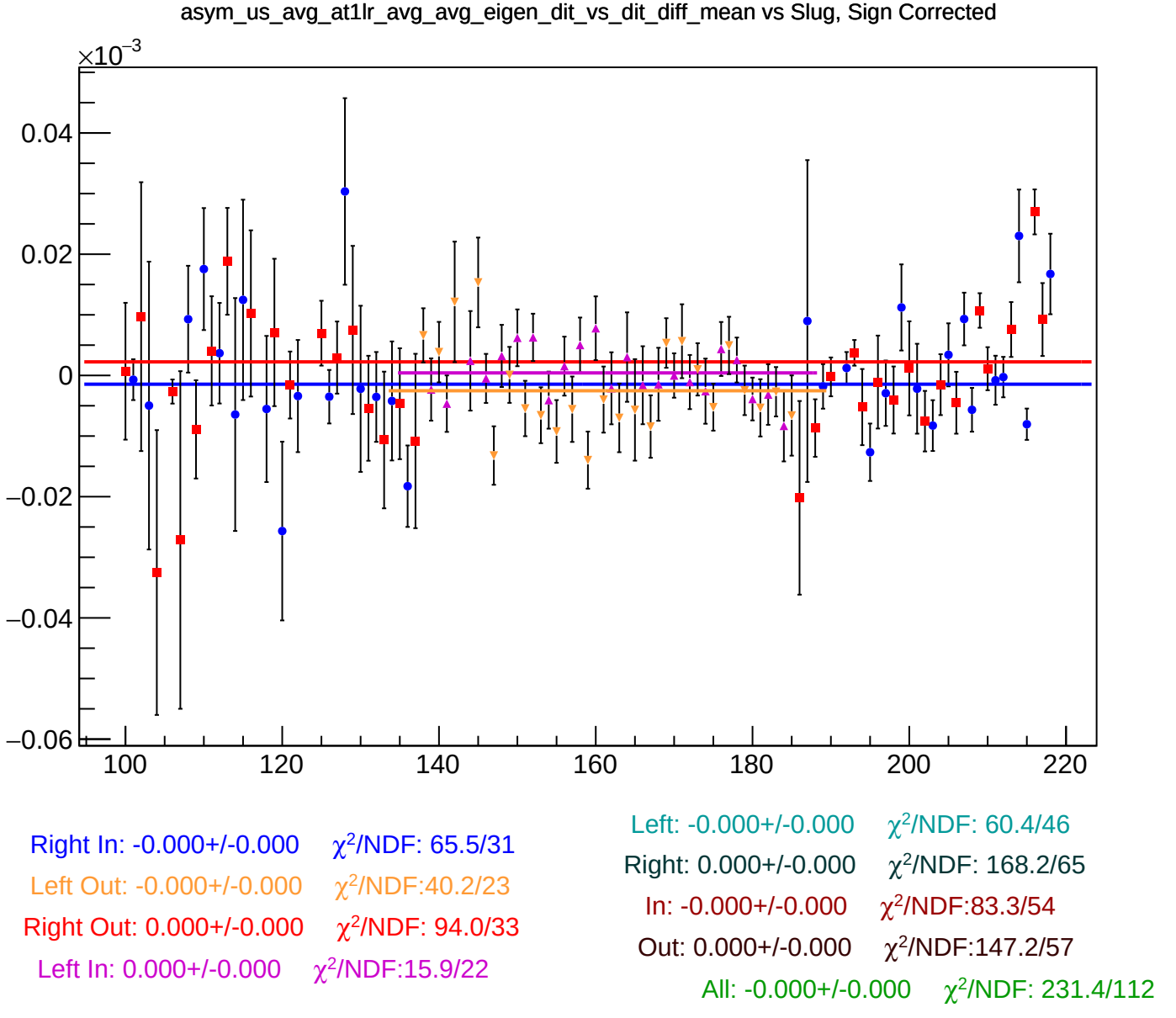
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

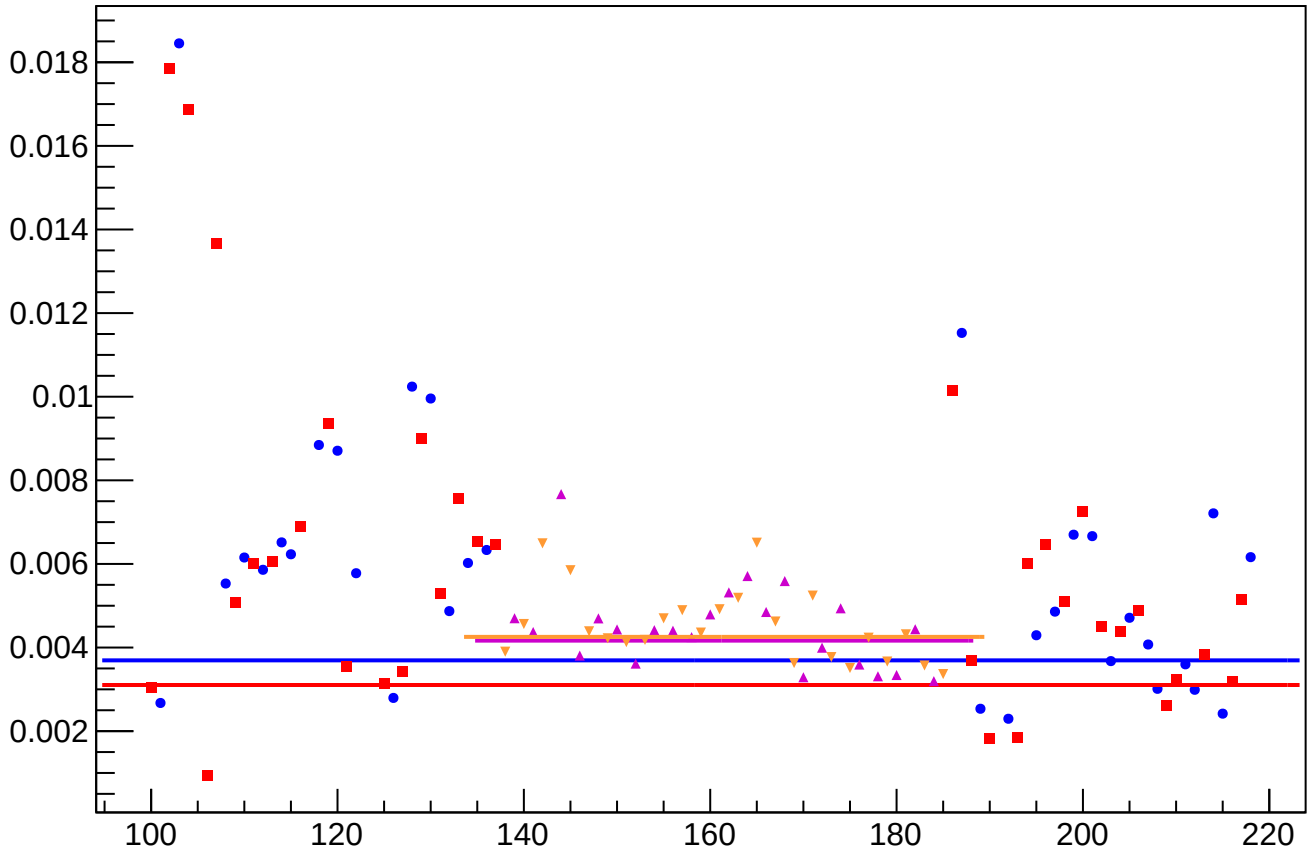
Right: 107.706+/-0.014 χ^2/NDF: 8531919.3/65

In: 102.782+/-0.013 χ^2/NDF:5565918.6/54

Out: 103.103+/-0.013 χ^2/NDF:7247781.2/57

All: 102.940+/-0.009 χ^2/NDF: 12813990.9/11


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 65.5/31
Left Out: -0.000+/-0.000 χ²/NDF:40.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 94.0/33
Left In: 0.000+/-0.000 χ²/NDF:15.9/22
Left: -0.000+/-0.000 χ²/NDF: 60.4/46
Right: 0.000+/-0.000 χ²/NDF: 168.2/65
In: -0.000+/-0.000 χ²/NDF:83.3/54
Out: 0.000+/-0.000 χ²/NDF:147.2/57
All: -0.000+/-0.000 χ²/NDF: 231.4/112



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: 10640056.9/33

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

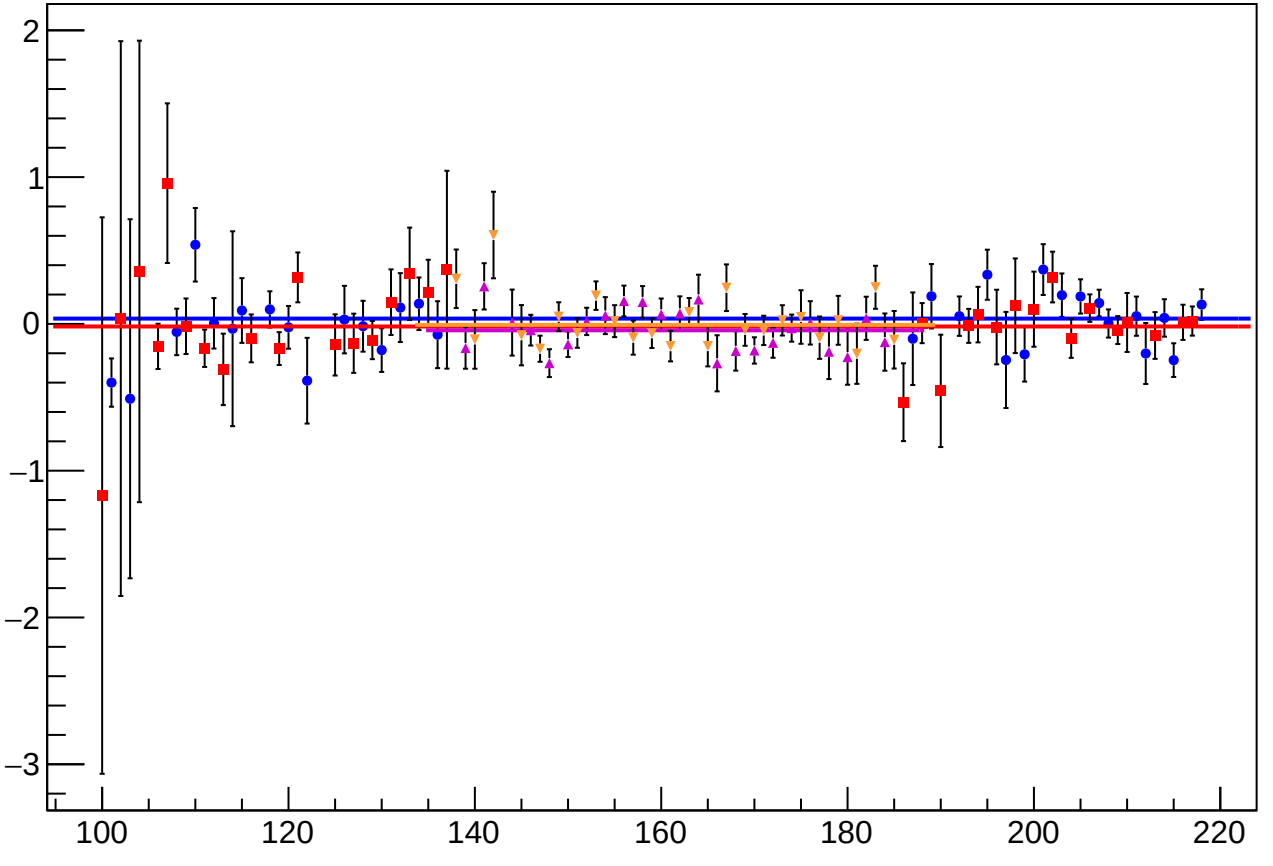
Right: 0.003+/-0.000 χ^2/NDF: 17680024.6/65

In: 0.004+/-0.000 χ^2/NDF:8118614.3/54

Out: 0.004+/-0.000 χ^2/NDF:12992089.8/57

All: 0.004+/-0.000 χ^2/NDF: 21362192.7/112

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: -0.018+/-0.028 χ^2/NDF: 29.7/33

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

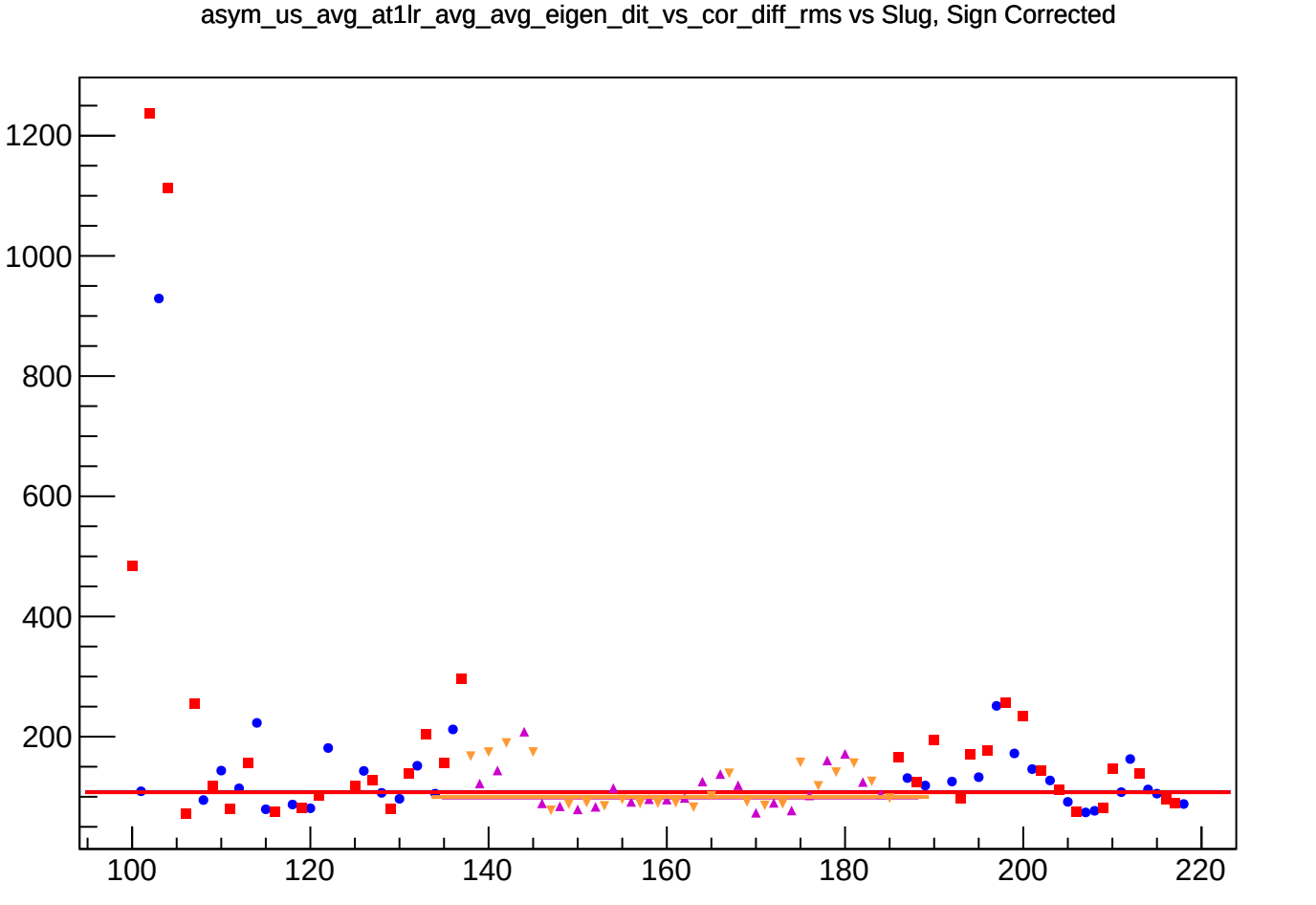
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.010+/-0.020 χ^2/NDF: 71.1/65

In: -0.008+/-0.019 χ^2/NDF:74.3/54

Out: -0.011+/-0.019 χ^2/NDF:57.5/57

All: -0.010+/-0.013 χ^2/NDF: 131.8/112



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: 107.550+/-0.020 χ^2/NDF: 5089543.4/33

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

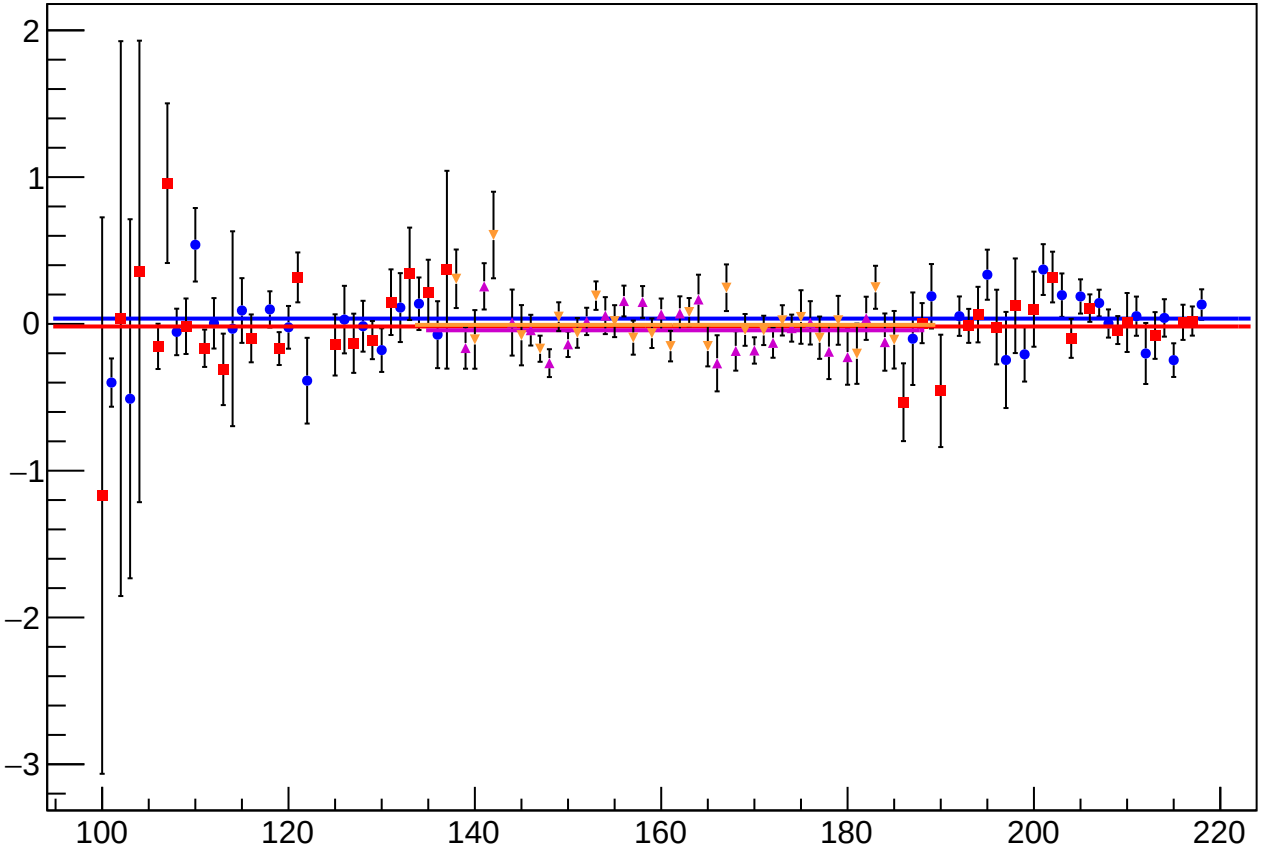
Right: 107.706+/-0.014 χ^2/NDF: 8531820.2/65

In: 102.782+/-0.013 χ^2/NDF:5565798.4/54

Out: 103.103+/-0.013 χ^2/NDF:7247703.2/57

All: 102.940+/-0.009 χ^2/NDF: 12813792.8/1

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: -0.018+/-0.028 χ^2/NDF: 29.7/33

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

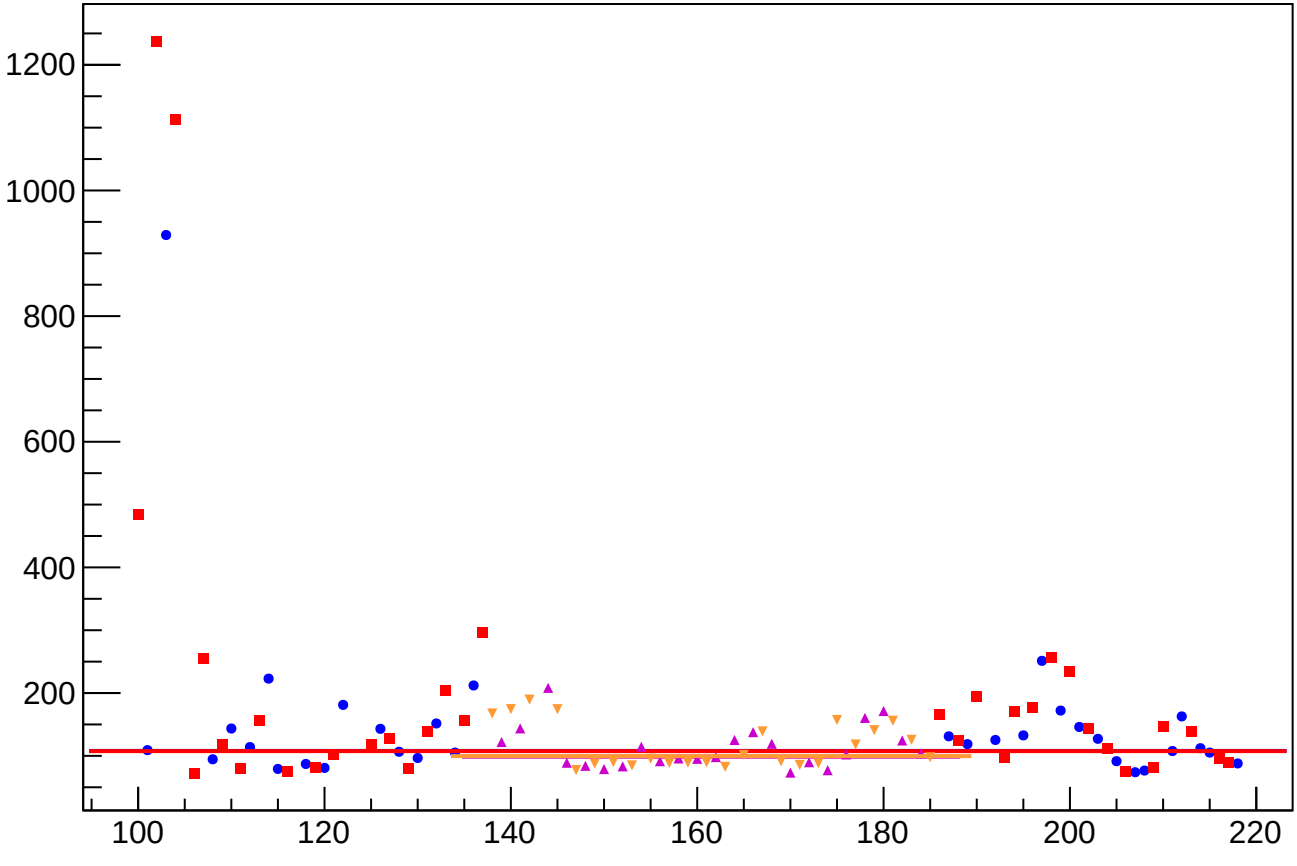
Right: 0.010+/-0.020 χ^2/NDF: 71.1/65

In: -0.008+/-0.019 χ^2/NDF:74.3/54

Out: -0.011+/-0.019 χ^2/NDF:57.5/57

All: -0.010+/-0.013 χ^2/NDF: 131.8/112

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: 107.550+/-0.020 χ^2/NDF: 5089543.4/33

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

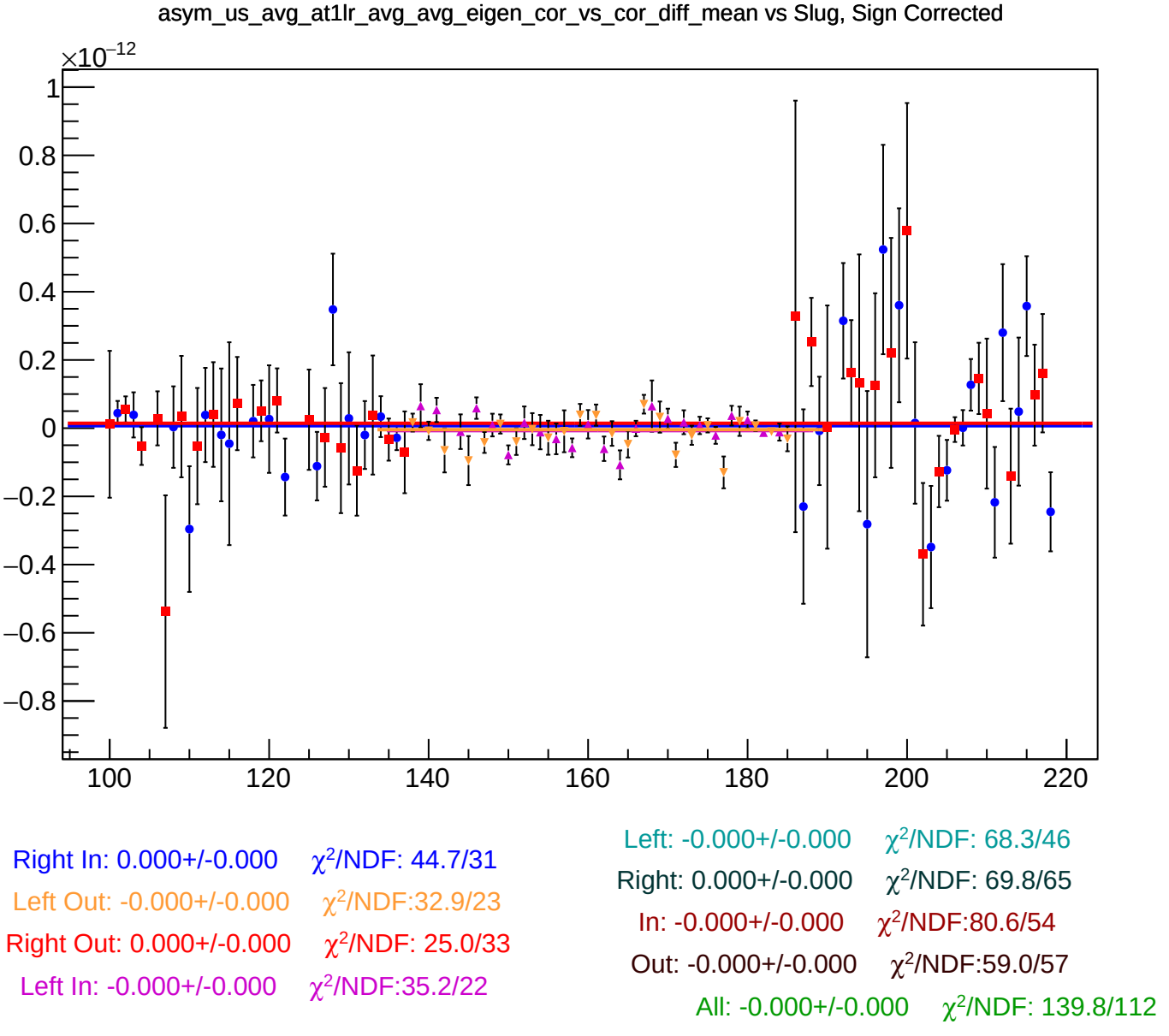
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

Right: 107.706+/-0.014 χ^2/NDF: 8531820.2/65

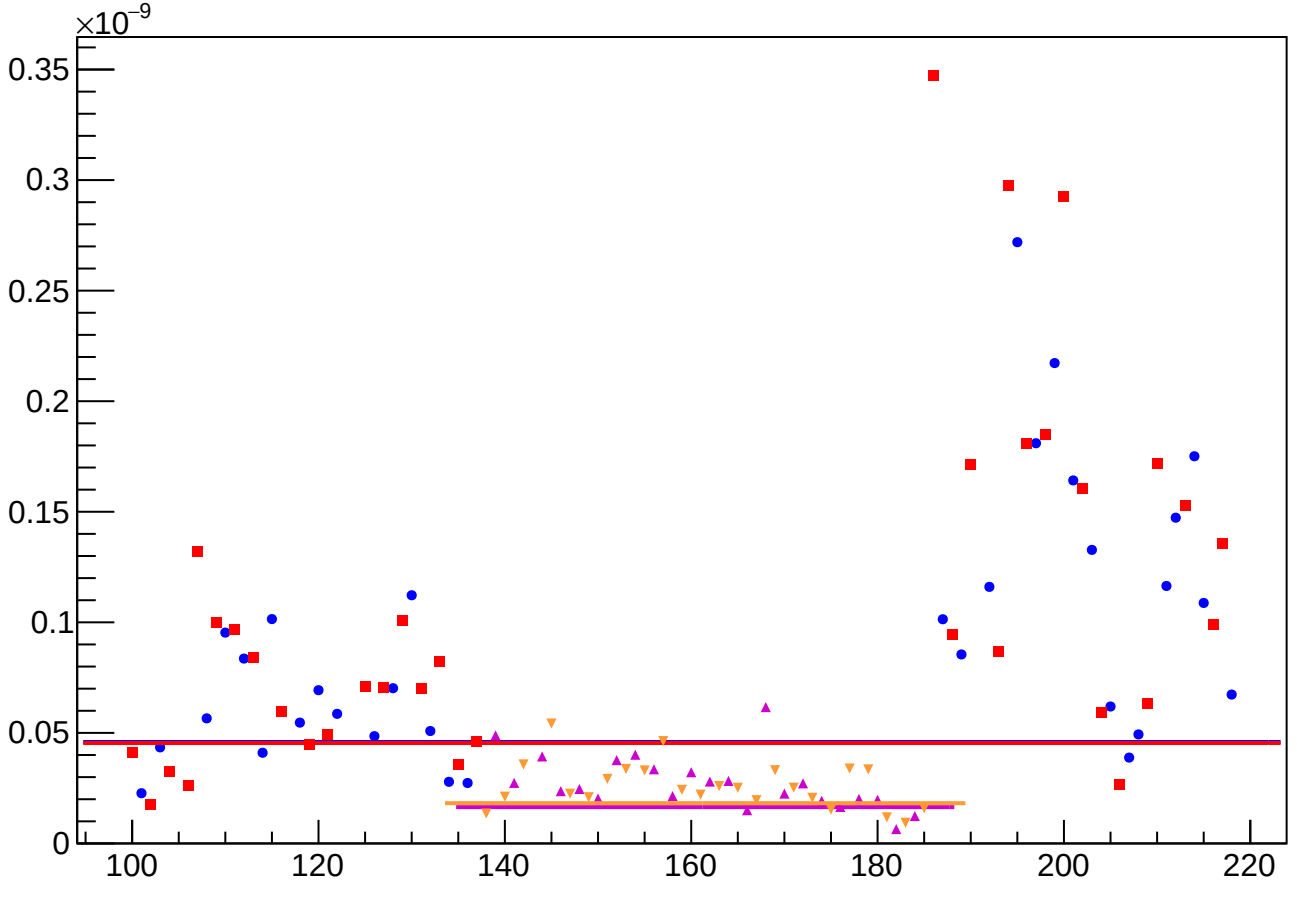
In: 102.782+/-0.013 χ^2/NDF:5565798.4/54

Out: 103.103+/-0.013 χ^2/NDF:7247703.2/57

All: 102.940+/-0.009 χ^2/NDF: 12813792.8/1


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: 25.0/33
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: 69.8/65
In: -0.000+/-0.000 χ²/NDF:80.6/54
Out: -0.000+/-0.000 χ²/NDF:59.0/57
All: -0.000+/-0.000 χ²/NDF: 139.8/112

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7737185.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9452341.8/33

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

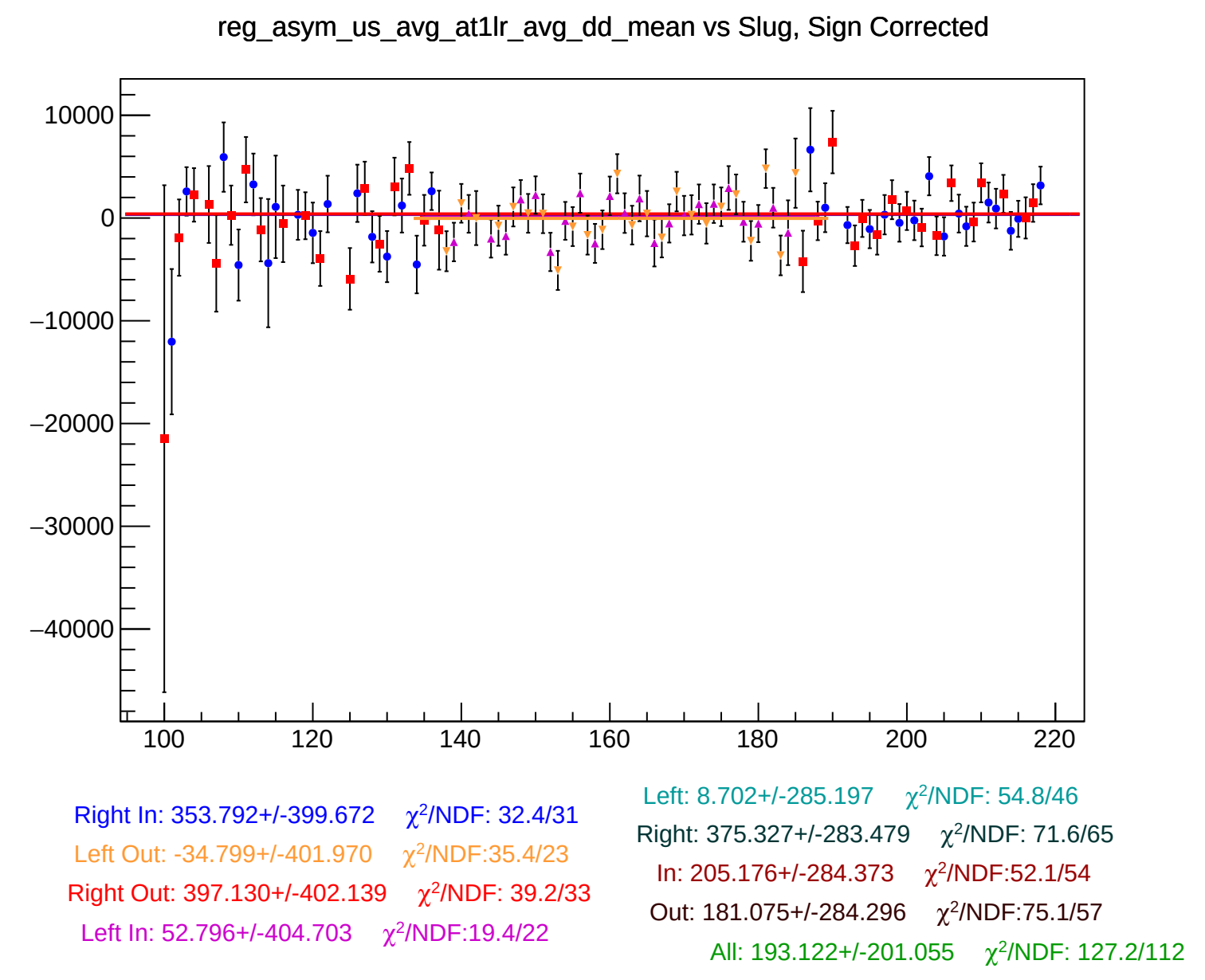
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

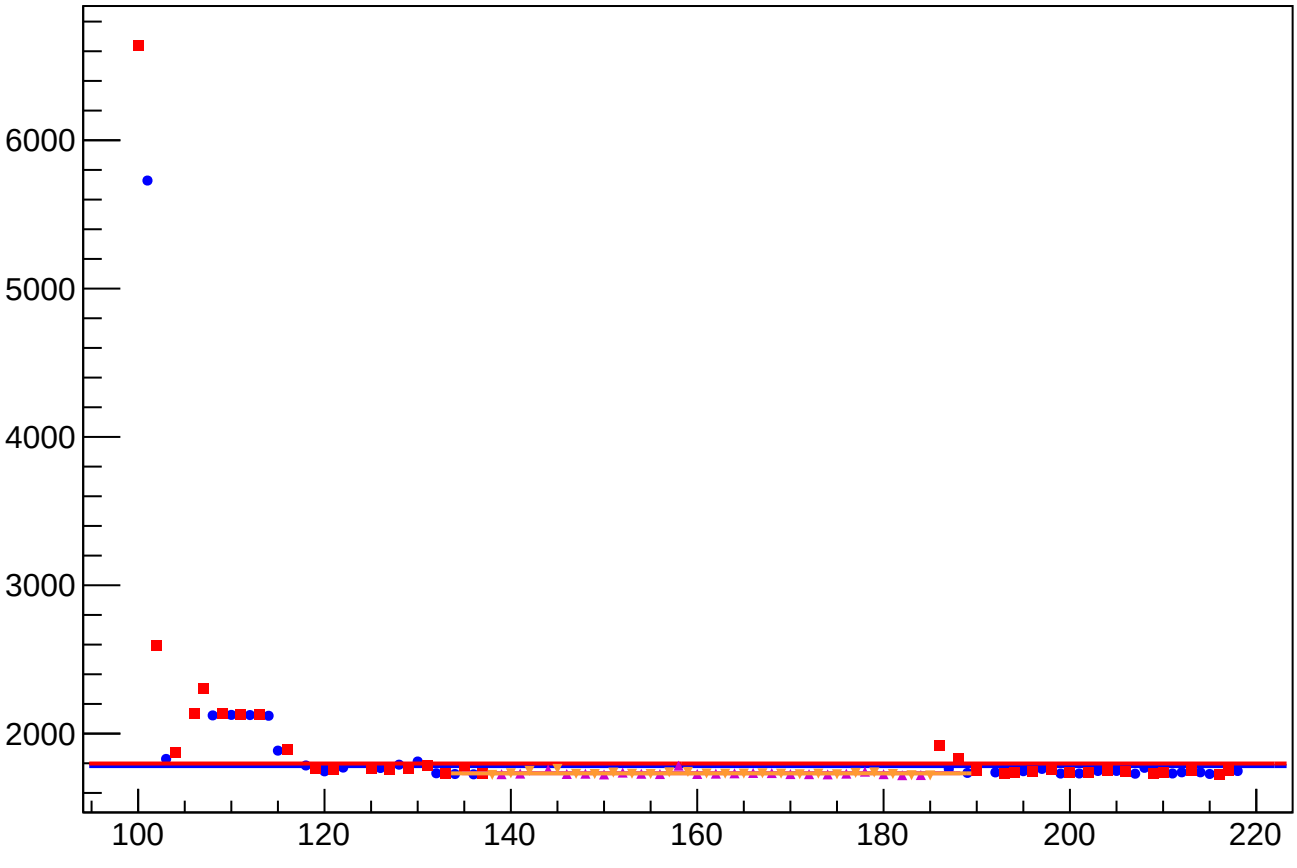
Right: 0.000+/-0.000 χ^2/NDF: 17190231.6/65

In: 0.000+/-0.000 χ^2/NDF:20612475.2/54

Out: 0.000+/-0.000 χ^2/NDF:18253748.4/57

All: 0.000+/-0.000 χ^2/NDF: 38959079.8/112


reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 353.792+/-399.672 χ²/NDF: 32.4/31
Left Out: -34.799+/-401.970 χ²/NDF:35.4/23
Right Out: 397.130+/-402.139 χ²/NDF: 39.2/33
Left In: 52.796+/-404.703 χ²/NDF:19.4/22
Left: 8.702+/-285.197 χ²/NDF: 54.8/46
Right: 375.327+/-283.479 χ²/NDF: 71.6/65
In: 205.176+/-284.373 χ²/NDF:52.1/54
Out: 181.075+/-284.296 χ²/NDF:75.1/57
All: 193.122+/-201.055 χ²/NDF: 127.2/112



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: 1798.366+/-0.284 χ^2/NDF: 316992.1/33

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

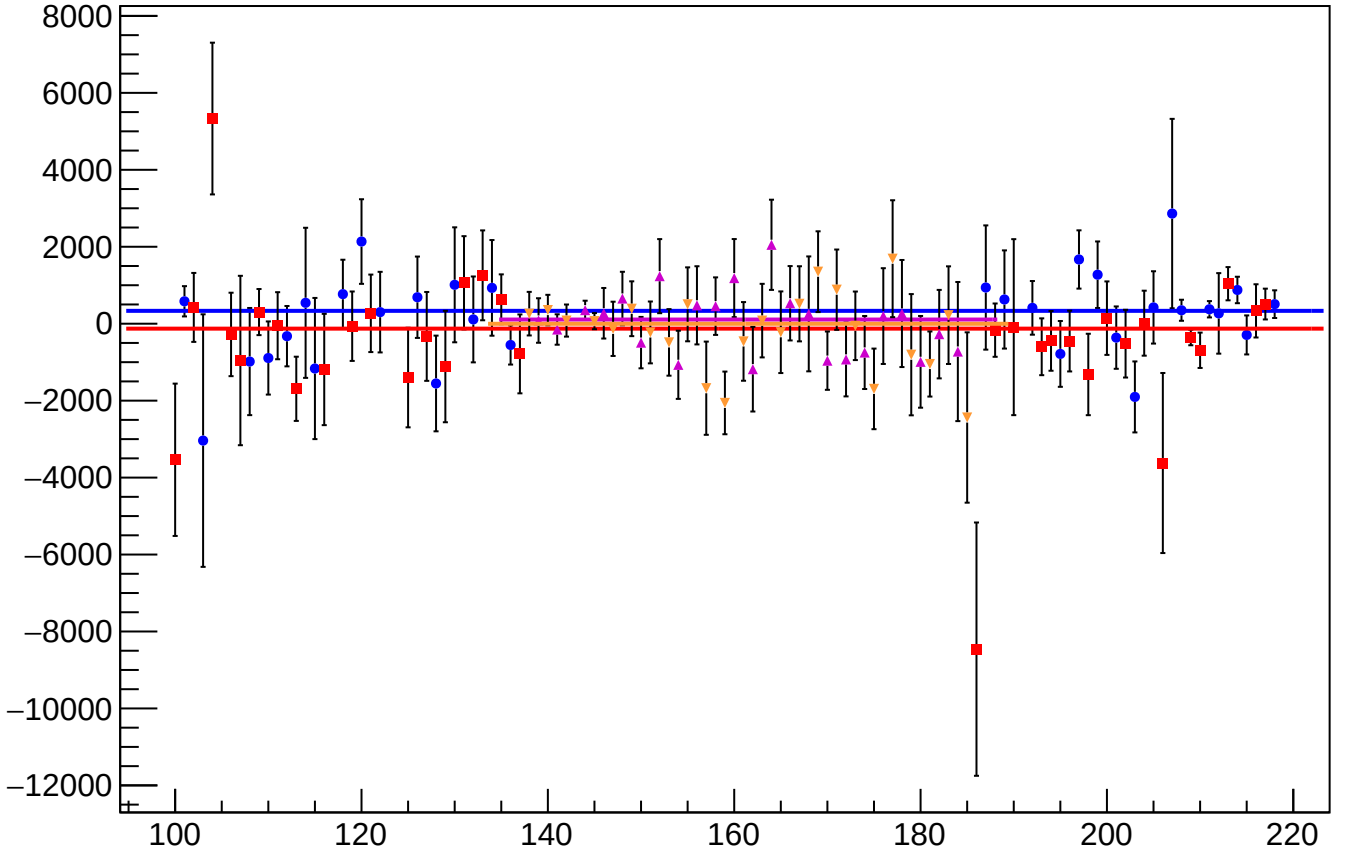
Right: 1789.613+/-0.200 χ^2/NDF: 1034036.1/65

In: 1757.439+/-0.201 χ^2/NDF:731428.0/54

Out: 1765.162+/-0.201 χ^2/NDF:345189.0/57

All: 1761.302+/-0.142 χ^2/NDF: 1077354.7/11

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 334.147+/-106.185 χ^2/NDF: 32.4/31

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: -128.371+/-117.048 χ^2/NDF: 45.6/33

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

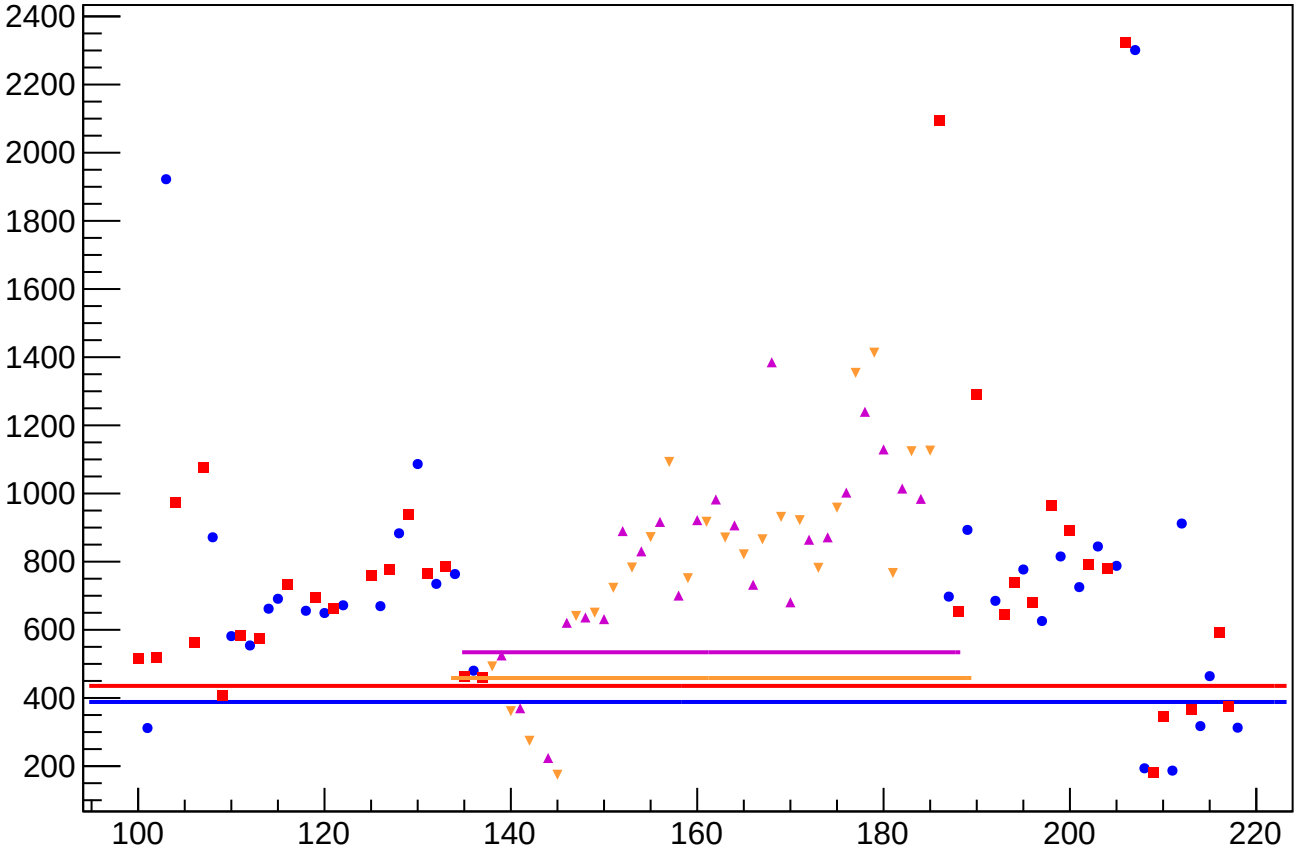
Right: 125.341+/-78.645 χ^2/NDF: 86.6/65

In: 254.135+/-85.318 χ^2/NDF:51.0/54

Out: -71.999+/-87.000 χ^2/NDF:66.4/57

All: 94.251+/-60.915 χ^2/NDF: 124.6/112

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: 435.470+/-0.083 χ^2/NDF: 9696730.1/33

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

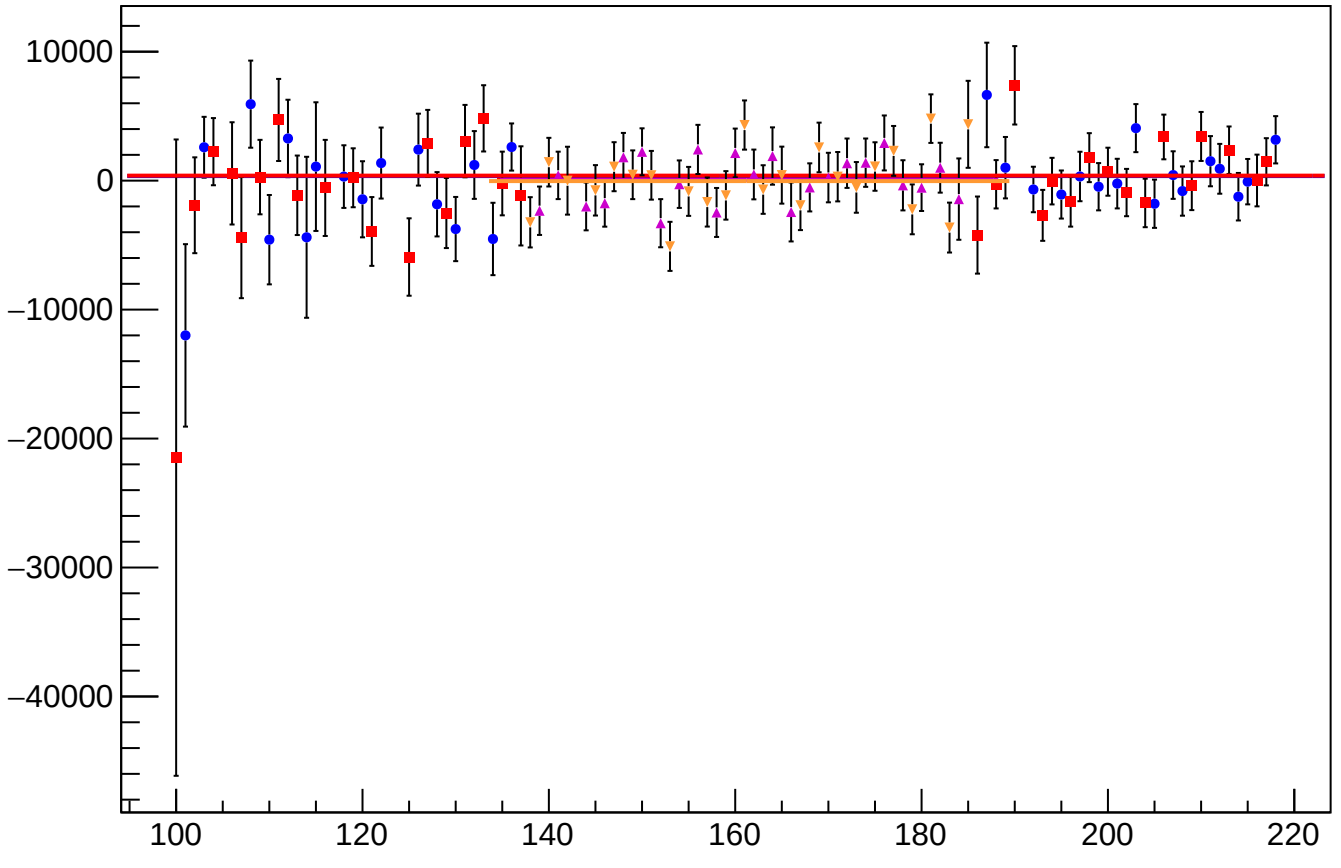
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

Right: 409.595+/-0.056 χ^2/NDF: 20449991.9/65

In: 439.994+/-0.060 χ^2/NDF:20355843.7/54

Out: 445.812+/-0.062 χ^2/NDF:21158351.3/57

All: 442.846+/-0.043 χ^2/NDF: 41518753.9/11



Right In: 353.821+/-399.672 χ^2/NDF: 32.4/31

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 388.115+/-402.392 χ^2/NDF: 39.1/33

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

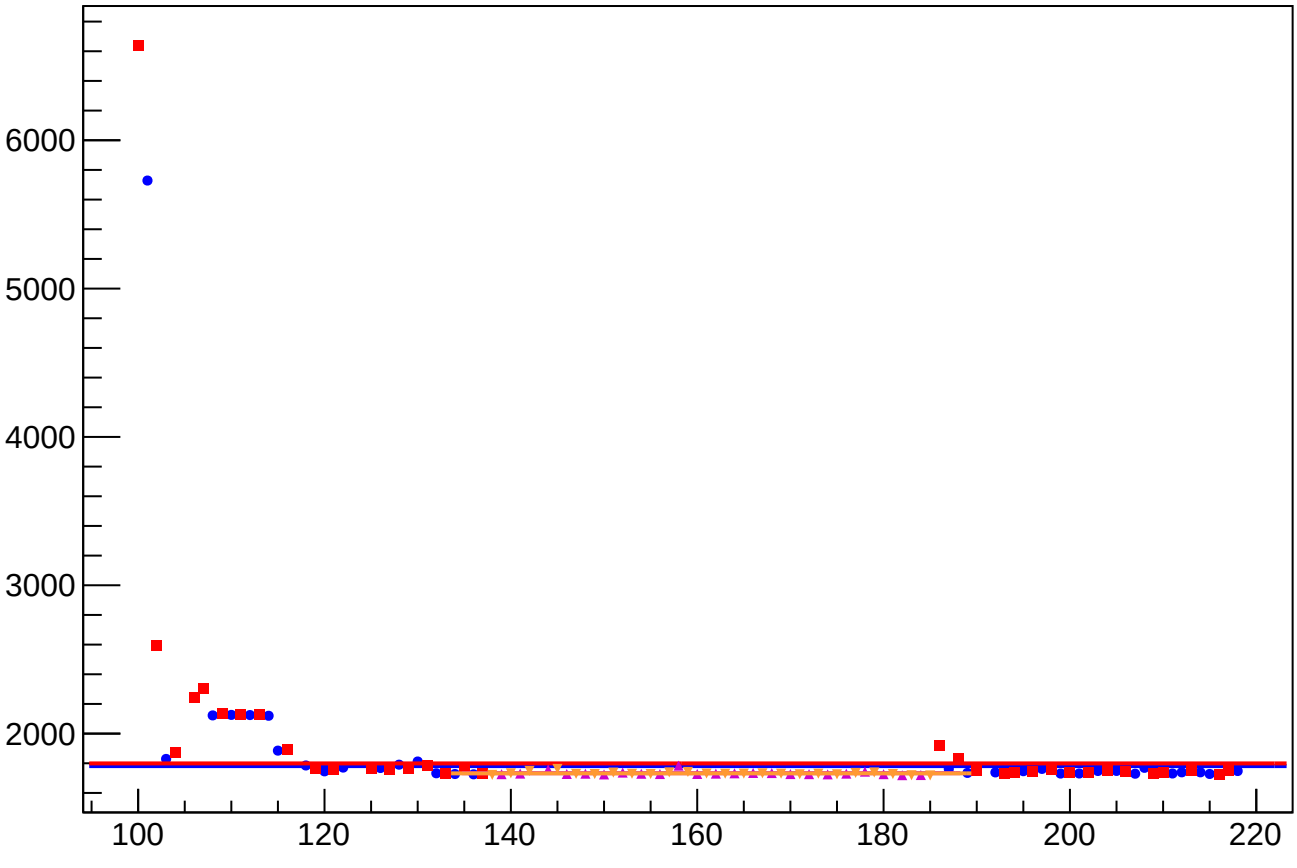
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 370.852+/-283.568 χ^2/NDF: 71.5/65

In: 205.150+/-284.373 χ^2/NDF:52.1/54

Out: 176.464+/-284.385 χ^2/NDF:75.0/57

All: 190.808+/-201.086 χ^2/NDF: 127.1/112



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: 1799.023+/-0.285 χ^2/NDF: 325657.1/33

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

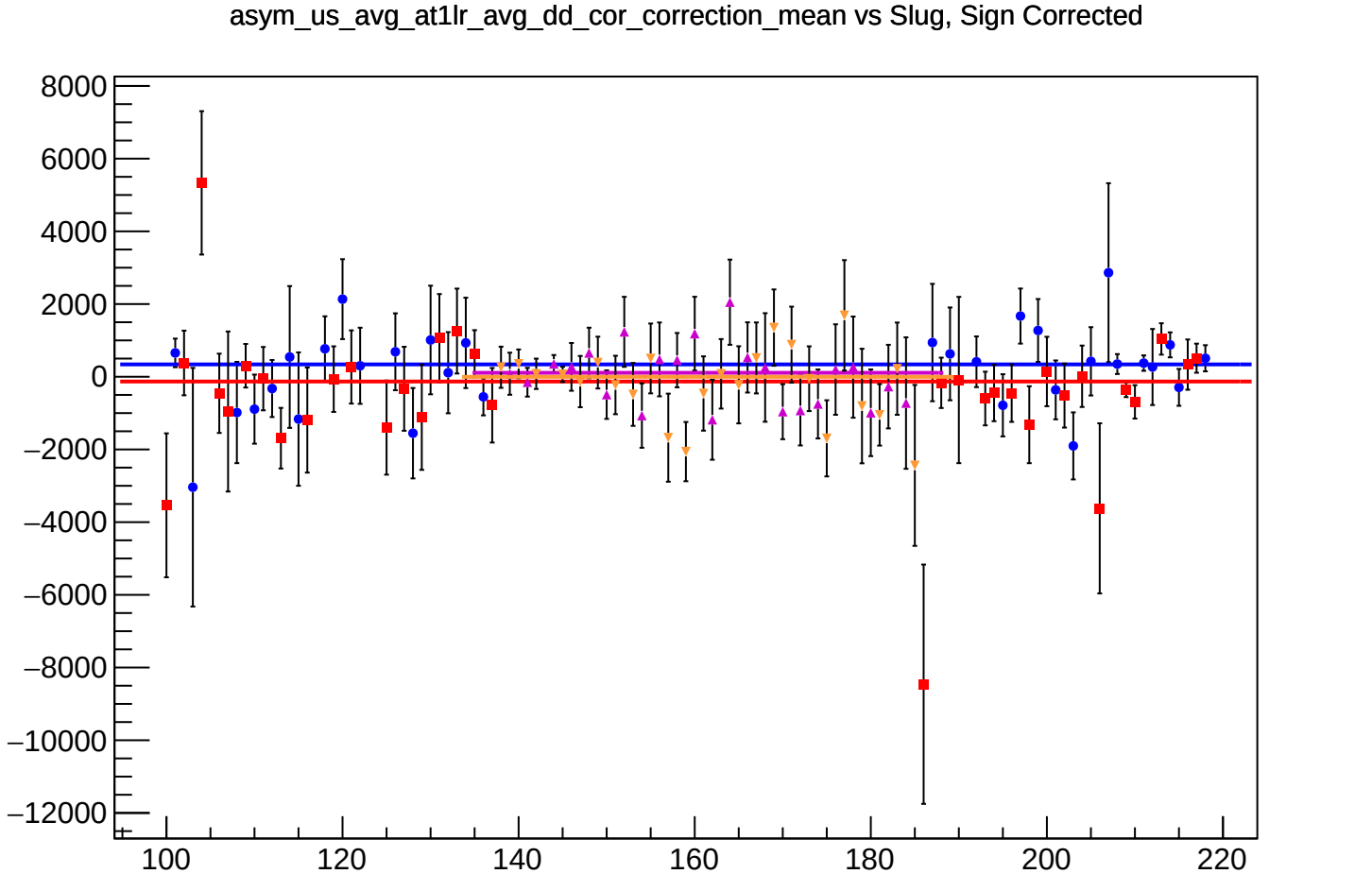
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1789.934+/-0.201 χ^2/NDF: 1042844.6/65

In: 1757.439+/-0.201 χ^2/NDF:731427.8/54

Out: 1765.469+/-0.201 χ^2/NDF:354378.7/57

All: 1761.454+/-0.142 χ^2/NDF: 1086603.8/11



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: -131.086+/-117.039 χ^2/NDF: 45.6/33

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

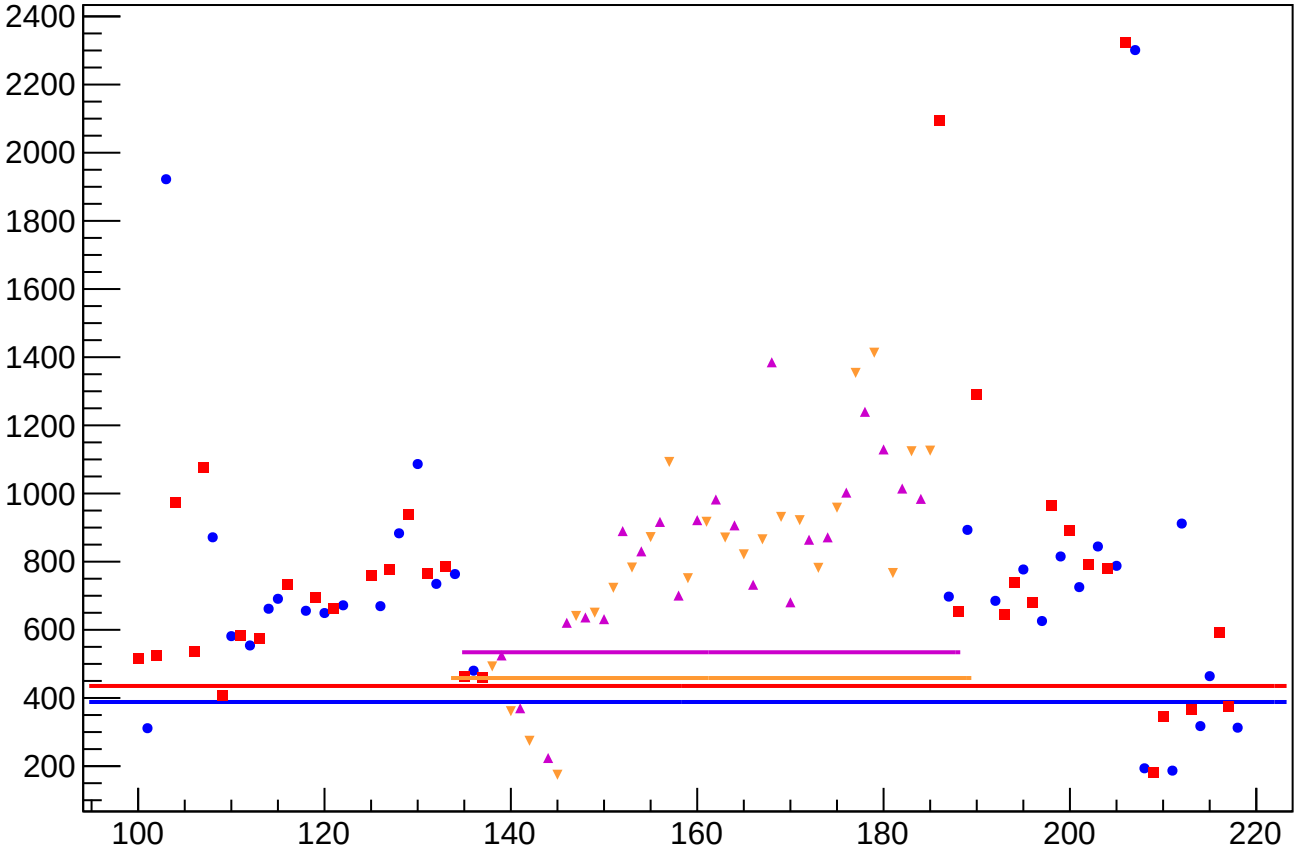
Right: 127.122+/-78.637 χ^2/NDF: 87.2/65

In: 257.666+/-85.312 χ^2/NDF:51.4/54

Out: -73.560+/-86.997 χ^2/NDF:66.4/57

All: 95.292+/-60.912 χ^2/NDF: 125.2/112

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: 435.265+/-0.083 χ^2/NDF: 9690034.1/33

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

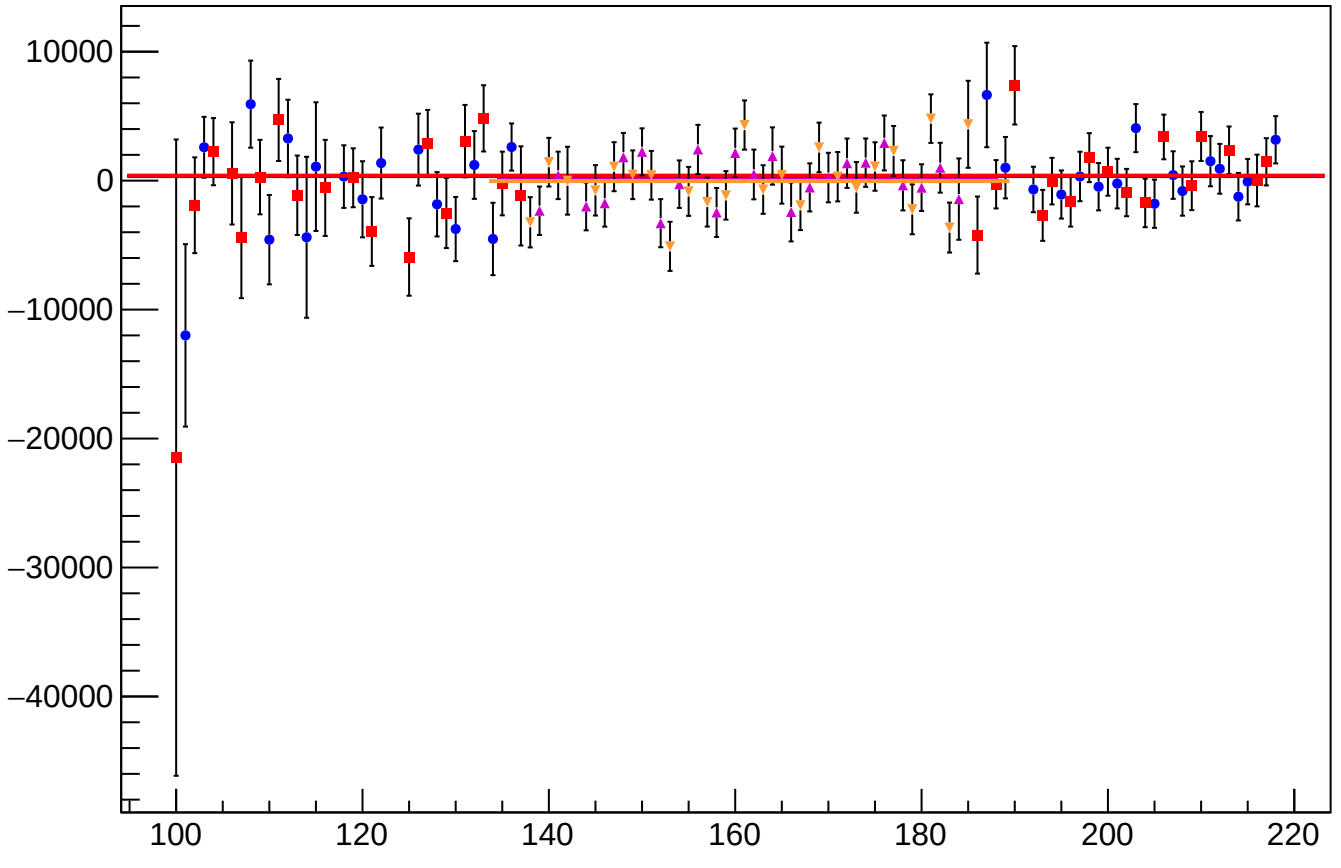
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 409.465+/-0.056 χ^2/NDF: 20444349.8/65

In: 439.946+/-0.060 χ^2/NDF:20358892.2/54

Out: 445.702+/-0.062 χ^2/NDF:21151895.1/57

All: 442.768+/-0.043 χ^2/NDF: 41515249.9/1



Right In: 353.821+/-399.672 χ^2/NDF: 32.4/31

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 388.115+/-402.392 χ^2/NDF: 39.1/33

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

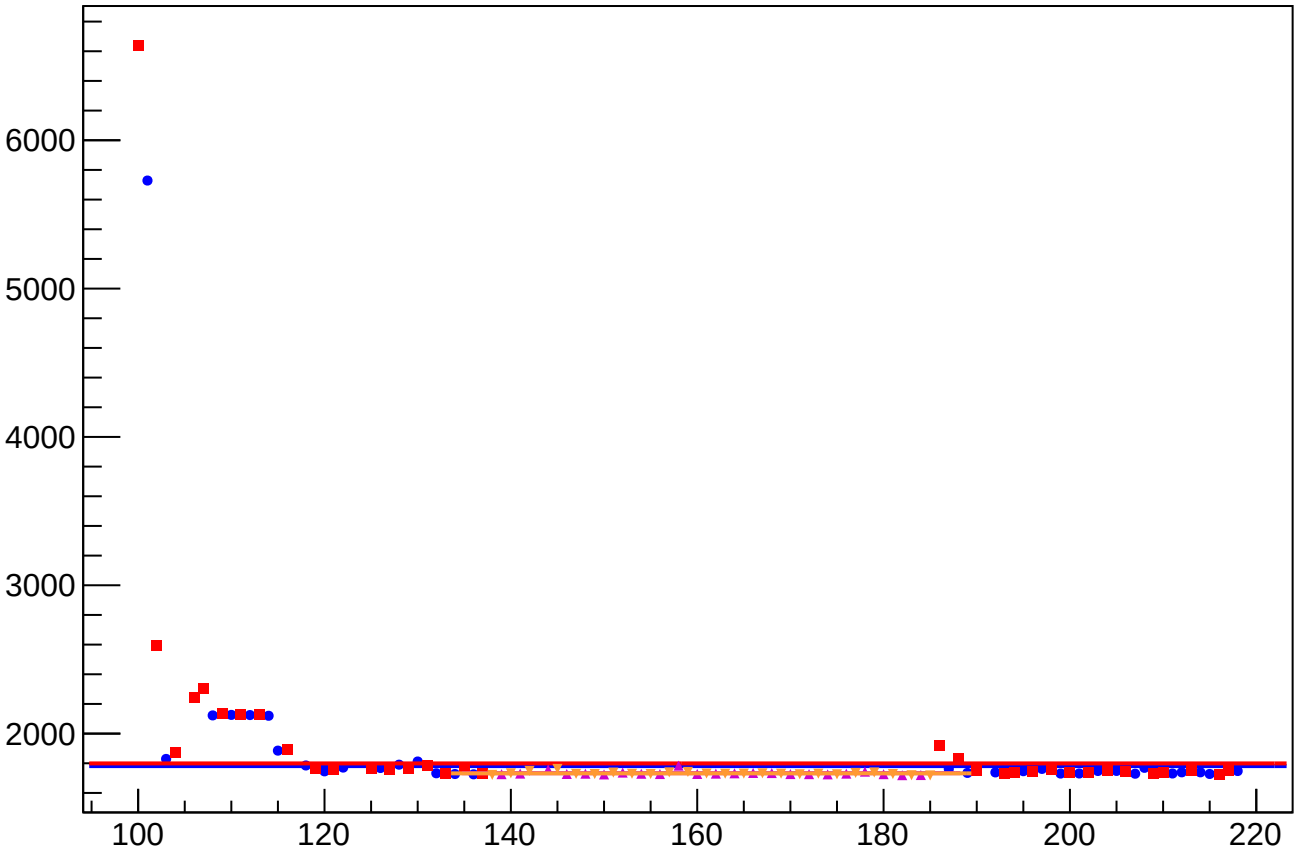
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 370.852+/-283.568 χ^2/NDF: 71.5/65

In: 205.150+/-284.373 χ^2/NDF:52.1/54

Out: 176.464+/-284.385 χ^2/NDF:75.0/57

All: 190.808+/-201.086 χ^2/NDF: 127.1/112



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: 1799.023+/-0.285 χ^2/NDF: 325657.1/33

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

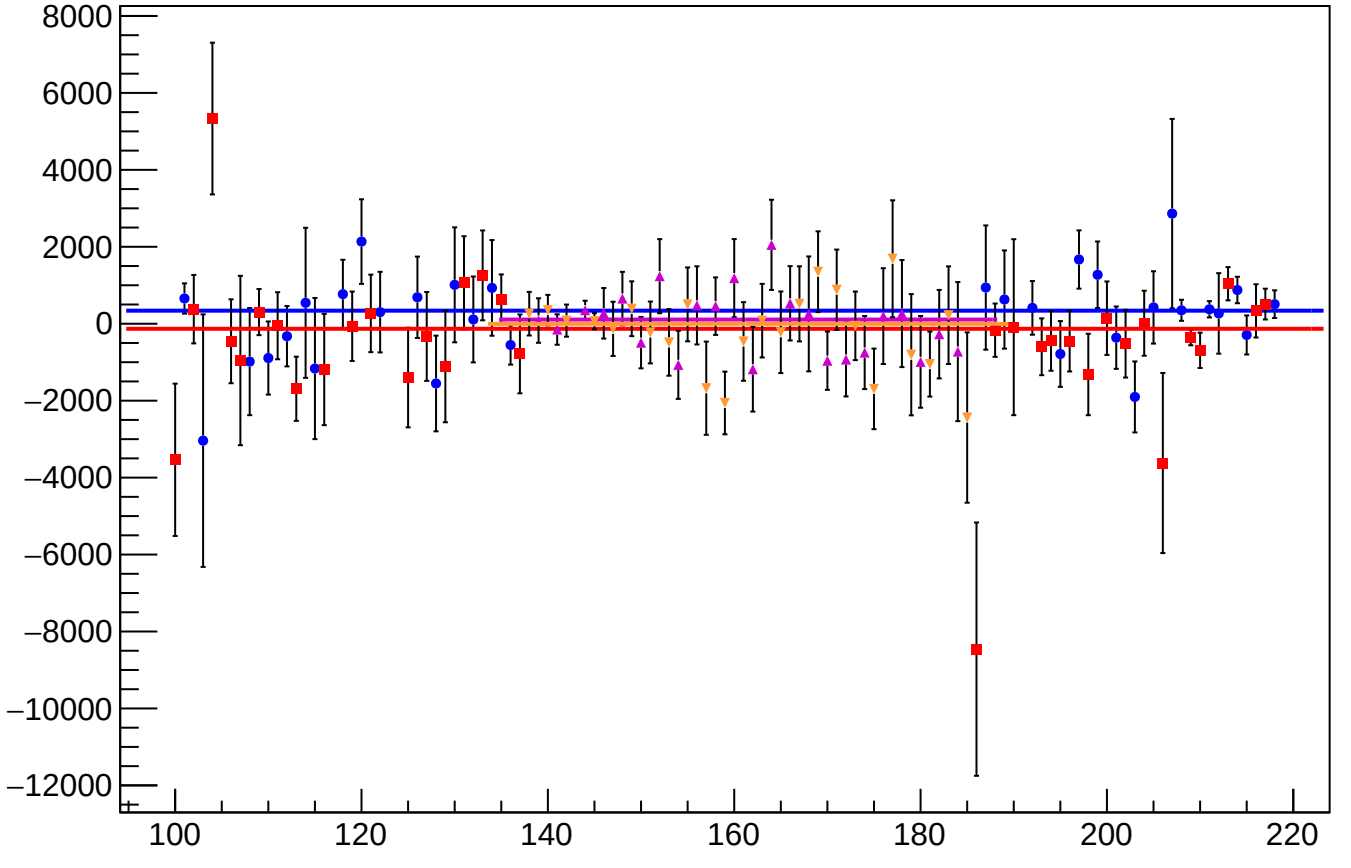
Right: 1789.934+/-0.201 χ^2/NDF: 1042844.6/65

In: 1757.439+/-0.201 χ^2/NDF:731427.8/54

Out: 1765.469+/-0.201 χ^2/NDF:354378.7/57

All: 1761.454+/-0.142 χ^2/NDF: 1086603.8/11

asym_us_avg_at1lr_avg_dd_eigen_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: -131.086+/-117.039 χ^2/NDF: 45.6/33

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

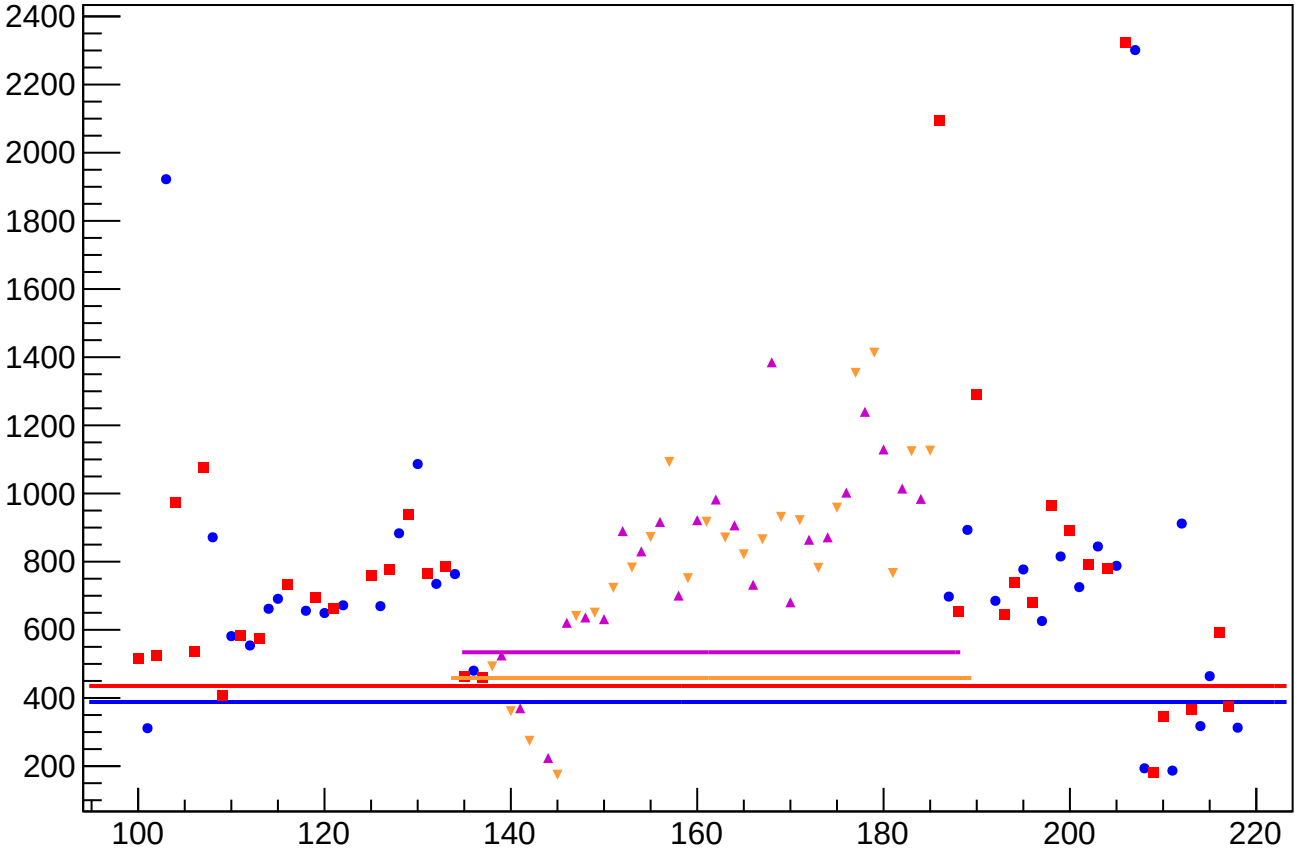
Right: 127.122+/-78.637 χ^2/NDF: 87.2/65

In: 257.666+/-85.312 χ^2/NDF:51.4/54

Out: -73.560+/-86.997 χ^2/NDF:66.4/57

All: 95.292+/-60.912 χ^2/NDF: 125.2/112

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: 435.265+/-0.083 χ^2/NDF: 9690034.1/33

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

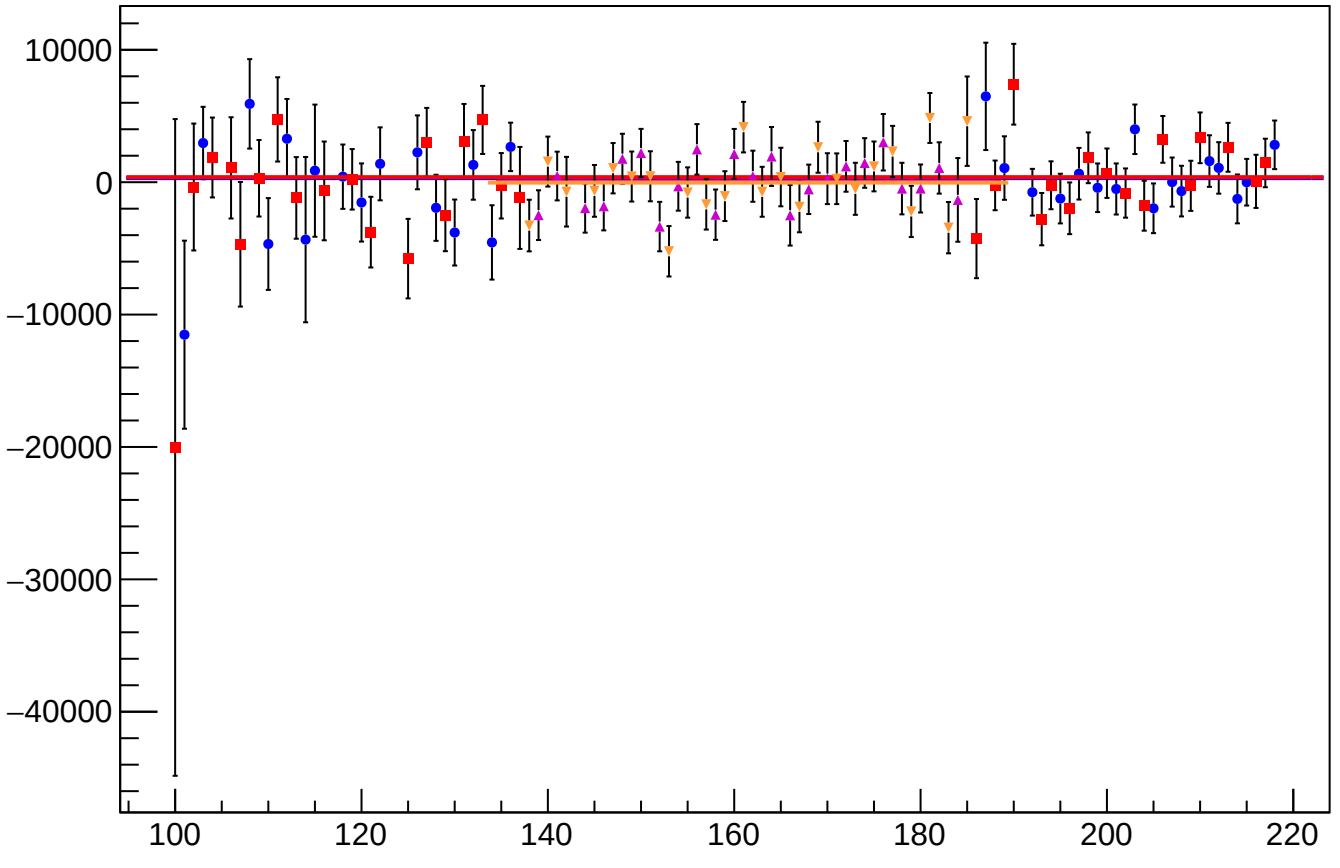
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 409.465+/-0.056 χ^2/NDF: 20444349.8/65

In: 439.946+/-0.060 χ^2/NDF:20358892.2/54

Out: 445.702+/-0.062 χ^2/NDF:21151895.1/57

All: 442.768+/-0.043 χ^2/NDF: 41515249.9/1



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: 381.638+/-406.035 χ^2/NDF: 38.4/33

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

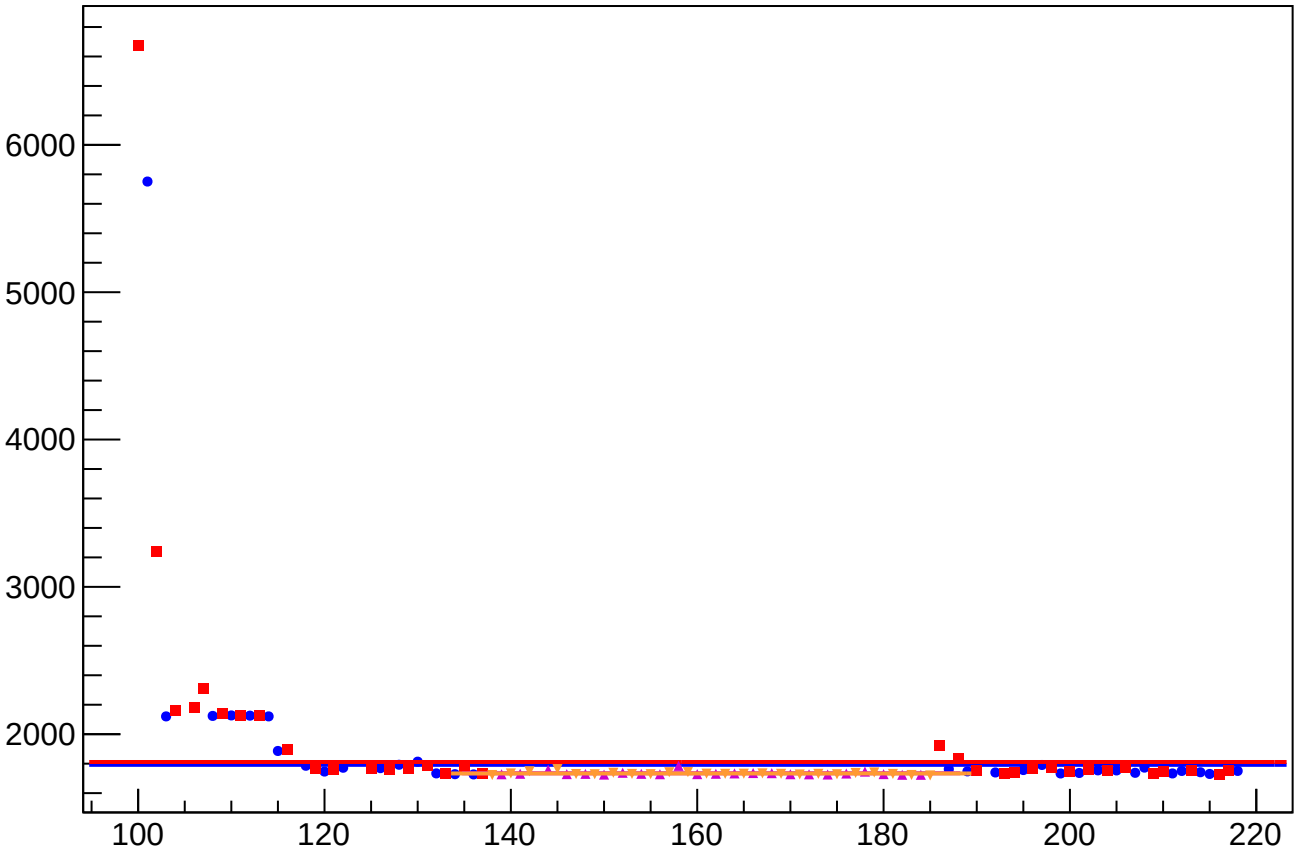
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 344.570+/-285.785 χ^2/NDF: 70.6/65

In: 176.222+/-285.442 χ^2/NDF:52.2/54

Out: 174.234+/-285.787 χ^2/NDF:74.4/57

All: 175.230+/-201.960 χ^2/NDF: 126.6/112



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: 1811.301+/-0.287 χ^2/NDF: 428247.2/33

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

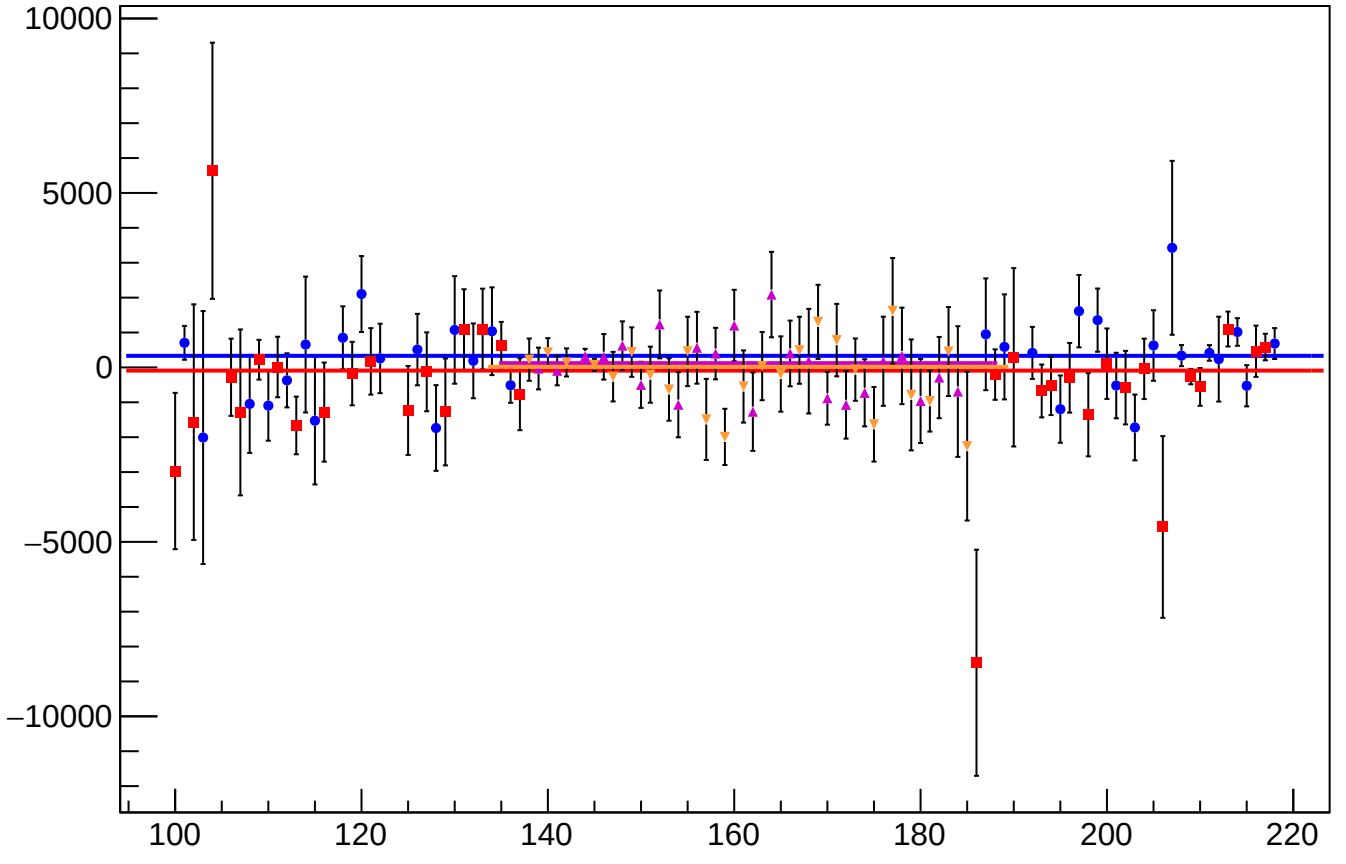
Right: 1801.598+/-0.202 χ^2/NDF: 1173199.7/65

In: 1763.635+/-0.202 χ^2/NDF:764985.5/54

Out: 1772.032+/-0.202 χ^2/NDF:466221.8/57

All: 1767.828+/-0.143 χ^2/NDF: 1232071.6/11

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



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: -91.277+/-125.065 χ^2/NDF: 37.1/33

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

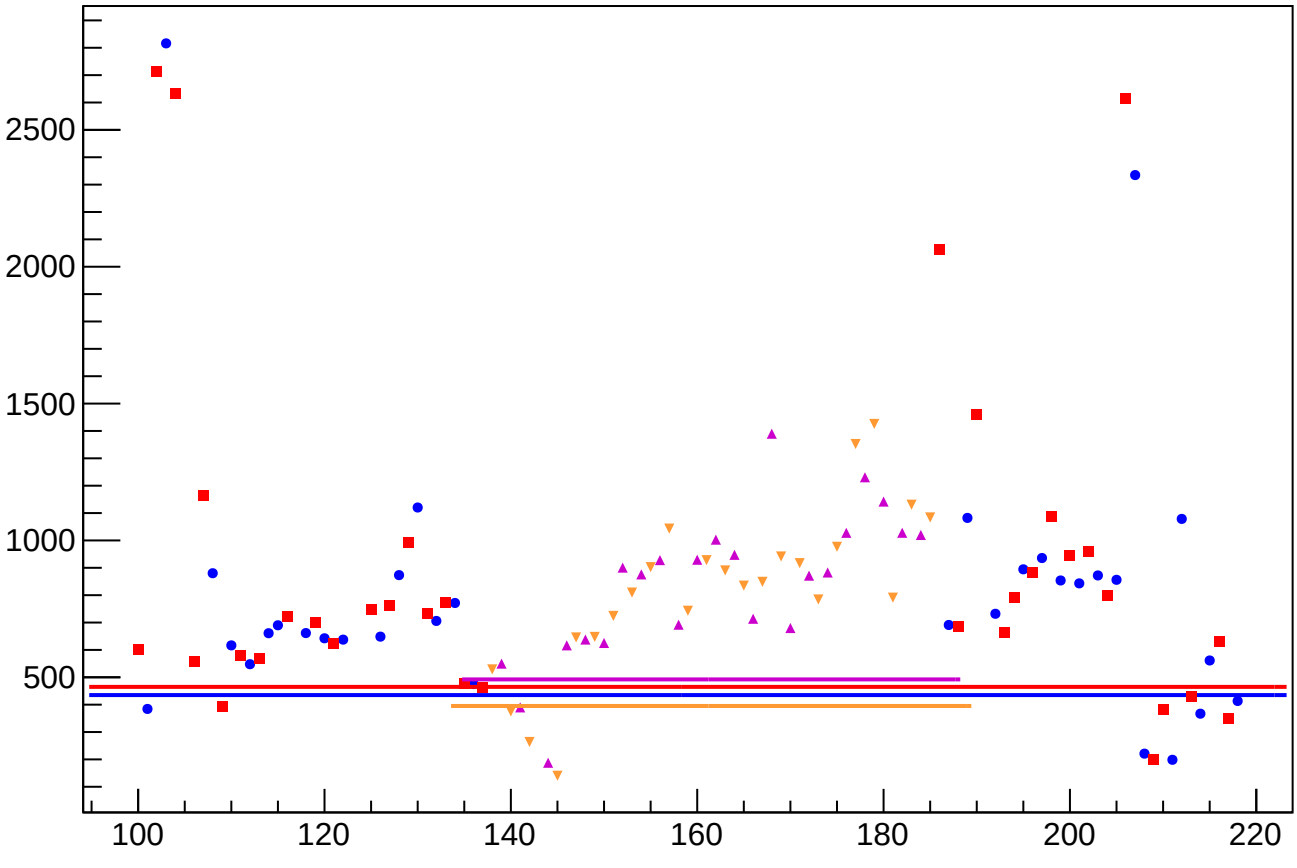
Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

Right: 135.464+/-85.209 χ^2/NDF: 76.9/65

In: 243.883+/-88.749 χ^2/NDF:51.5/54

Out: -34.063+/-86.336 χ^2/NDF:57.0/57

All: 101.080+/-61.885 χ^2/NDF: 113.5/112



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: 464.962+/-0.088 χ^2/NDF: 10978616.7/33

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

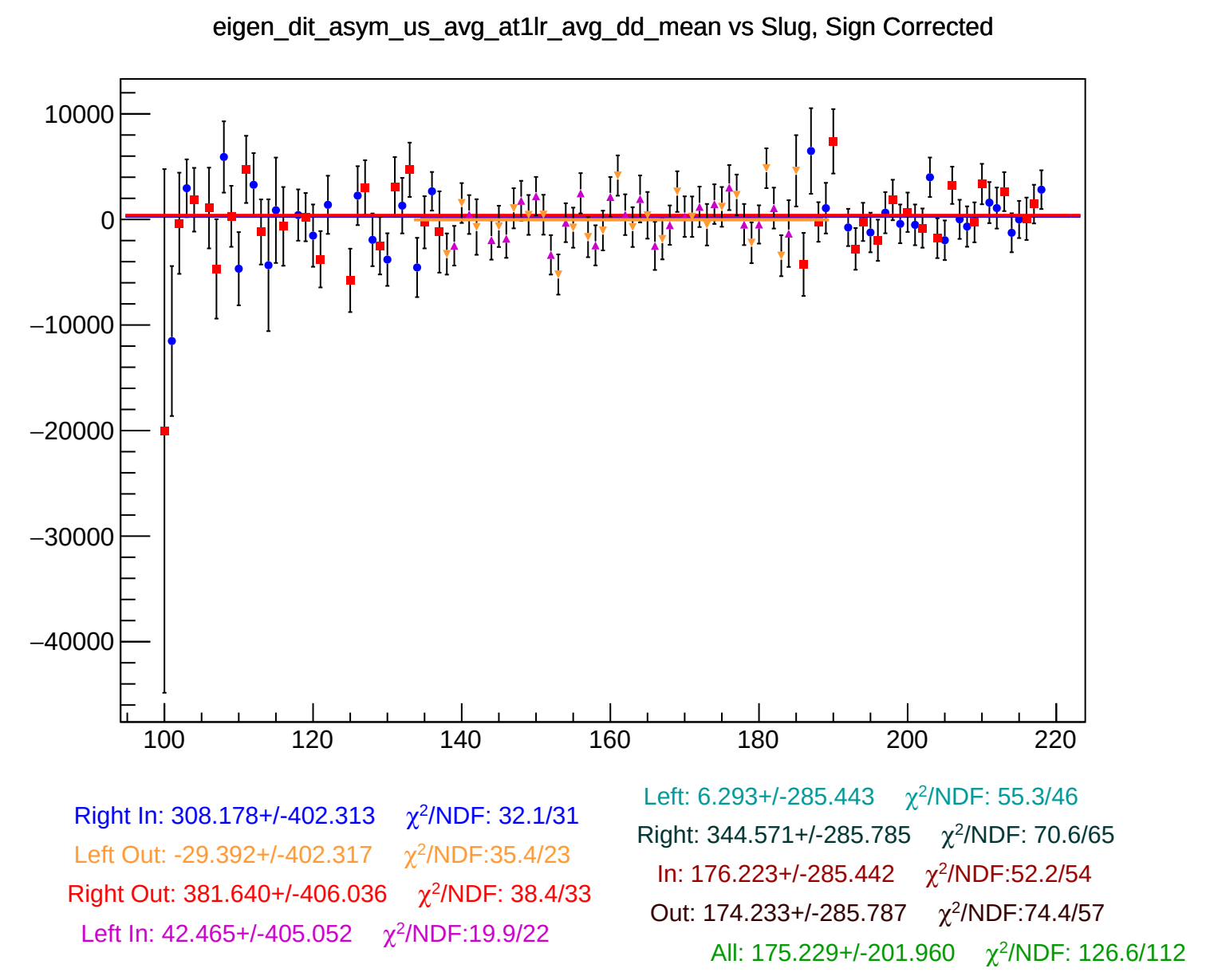
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

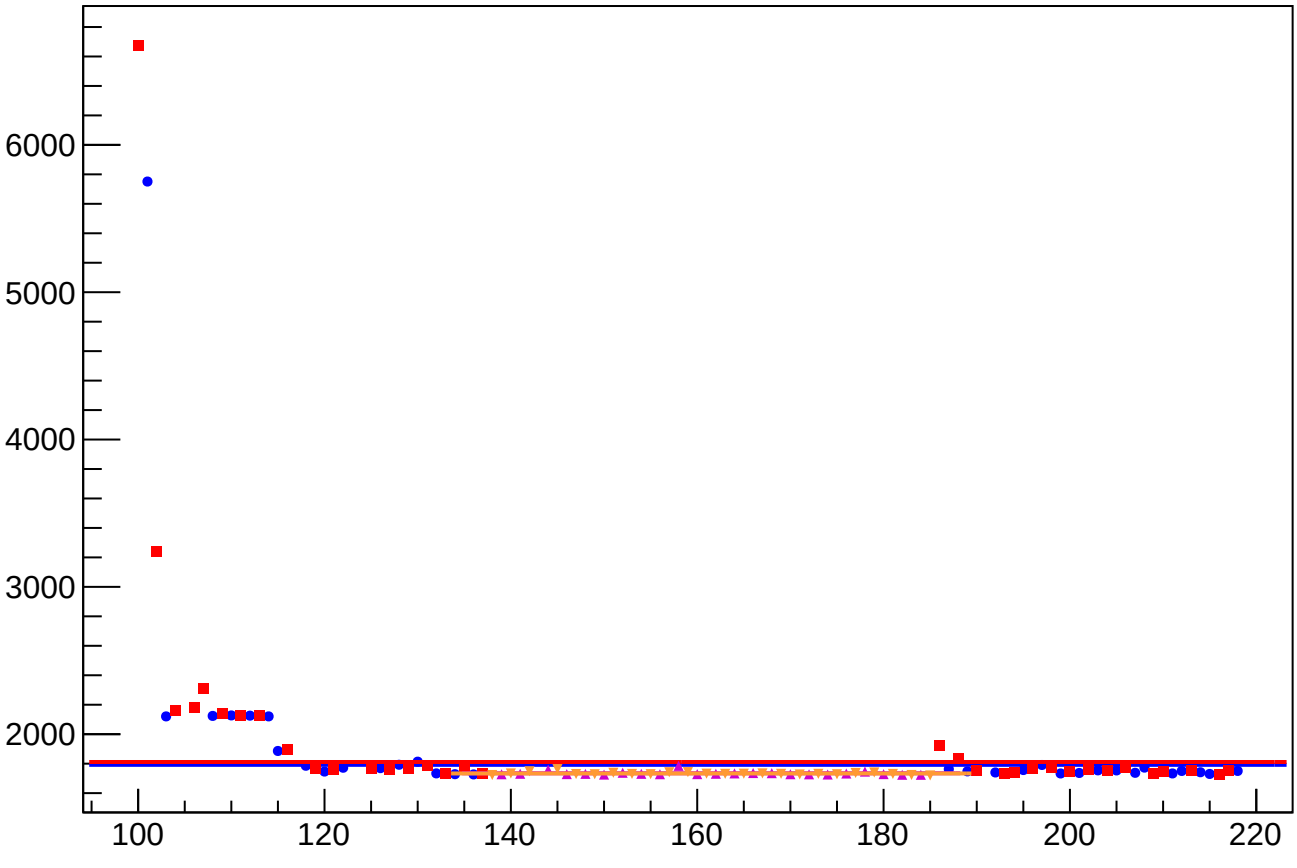
Right: 448.910+/-0.060 χ^2/NDF: 21954700.2/65

In: 458.993+/-0.063 χ^2/NDF:21536947.4/54

Out: 428.440+/-0.061 χ^2/NDF:25638879.9/57

All: 443.295+/-0.044 χ^2/NDF: 47297613.4/11


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 308.178+/-402.313 χ²/NDF: 32.1/31
Left Out: -29.392+/-402.317 χ²/NDF:35.4/23
Right Out: 381.640+/-406.036 χ²/NDF: 38.4/33
Left In: 42.465+/-405.052 χ²/NDF:19.9/22
Left: 6.293+/-285.443 χ²/NDF: 55.3/46
Right: 344.571+/-285.785 χ²/NDF: 70.6/65
In: 176.223+/-285.442 χ²/NDF:52.2/54
Out: 174.233+/-285.787 χ²/NDF:74.4/57
All: 175.229+/-201.960 χ²/NDF: 126.6/112



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: 1811.301+/-0.287 χ^2/NDF: 428246.3/33

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

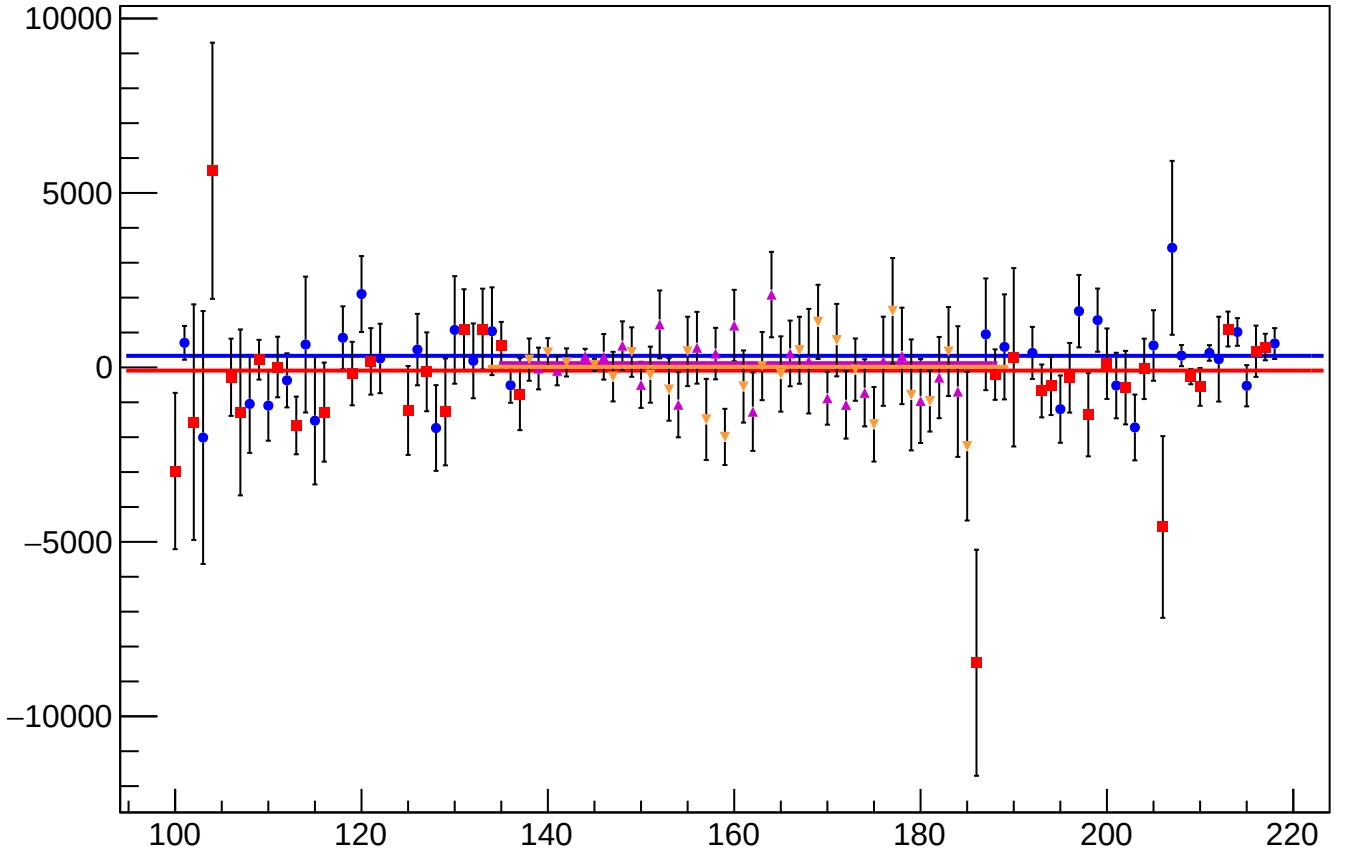
Right: 1801.598+/-0.202 χ^2/NDF: 1173198.4/65

In: 1763.635+/-0.202 χ^2/NDF:764985.1/54

Out: 1772.032+/-0.202 χ^2/NDF:466220.9/57

All: 1767.828+/-0.143 χ^2/NDF: 1232070.3/11

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: -91.274+/-125.064 χ^2/NDF: 37.1/33

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

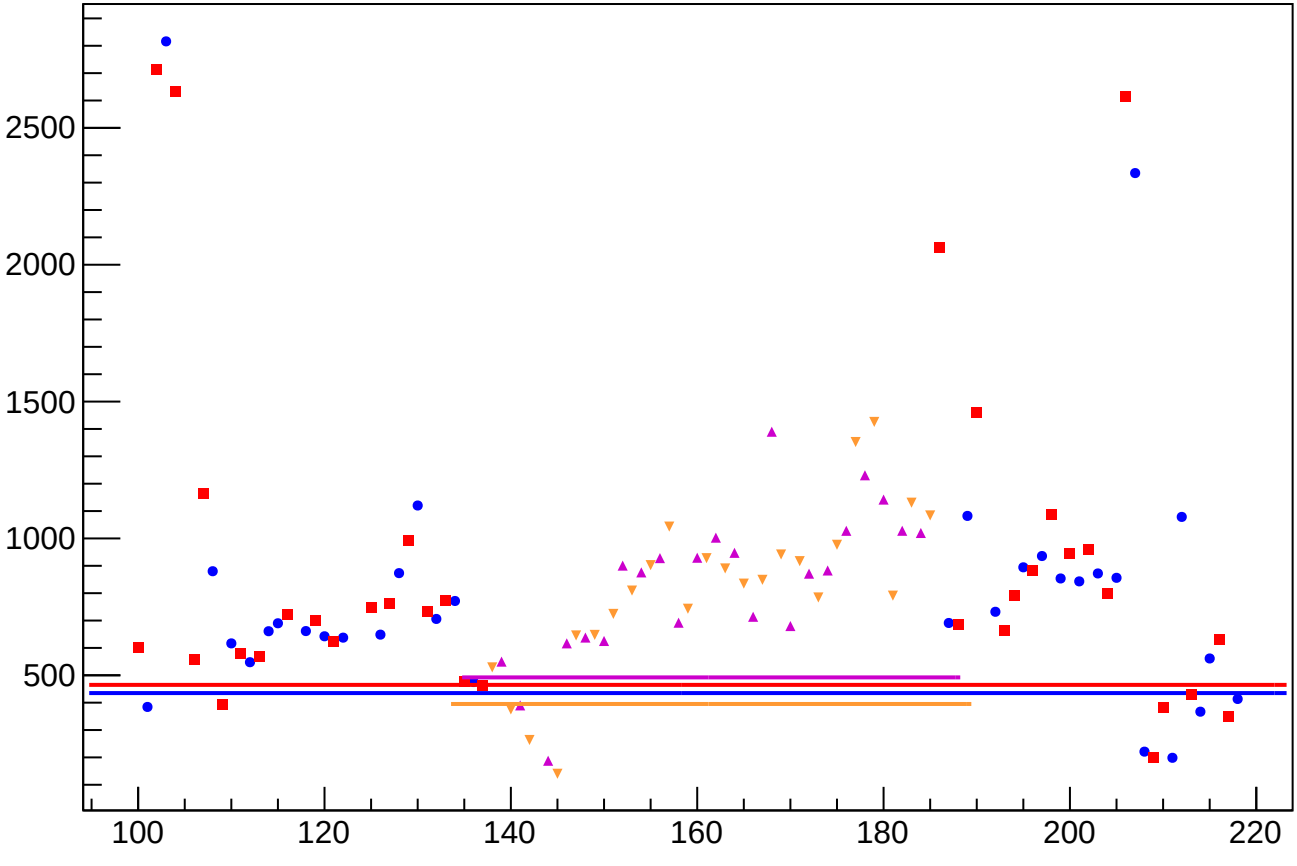
Right: 135.464+/-85.208 χ^2/NDF: 76.9/65

In: 243.883+/-88.749 χ^2/NDF:51.5/54

Out: -34.063+/-86.336 χ^2/NDF:57.0/57

All: 101.080+/-61.885 χ^2/NDF: 113.5/112

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: 464.959+/-0.088 χ^2/NDF: 10978706.6/33

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

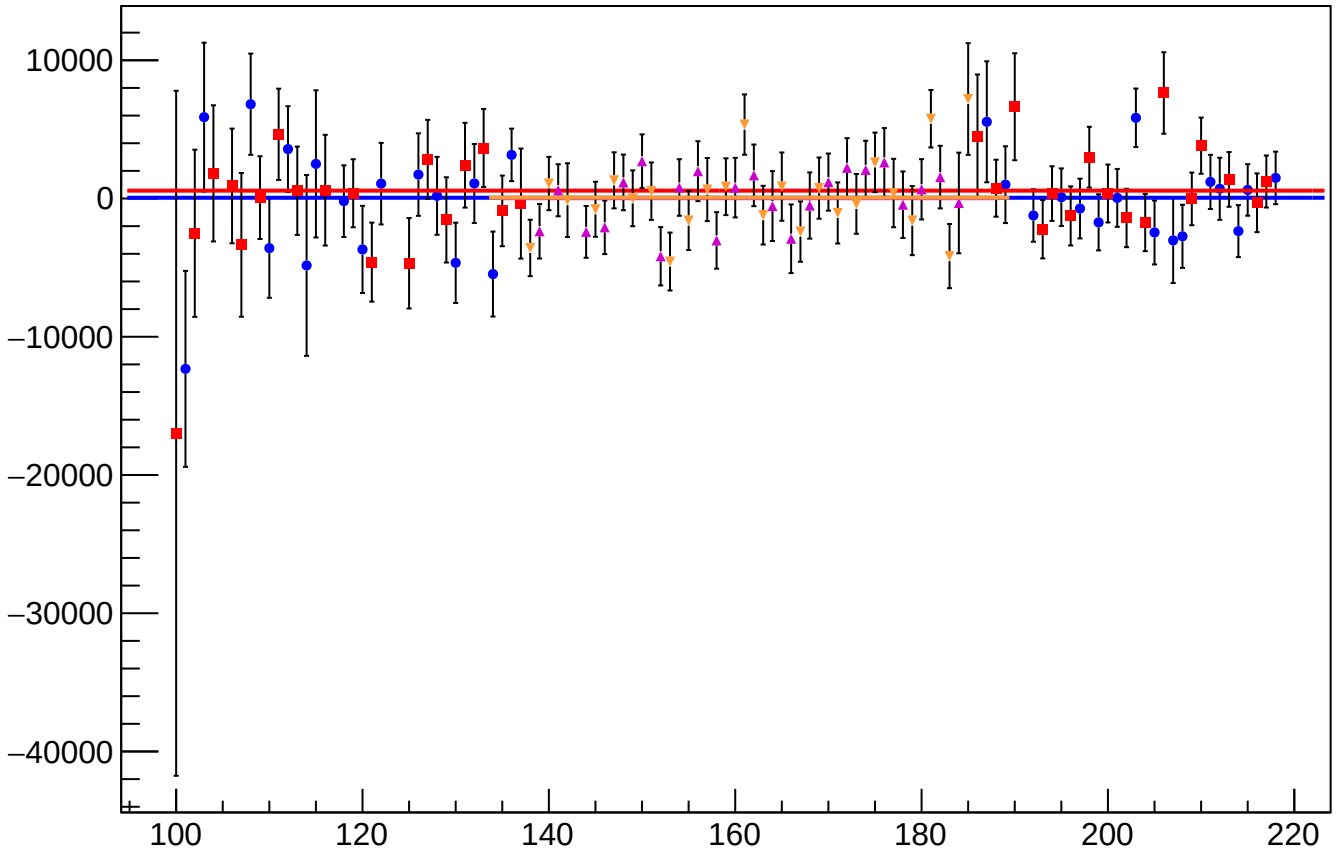
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 448.909+/-0.060 χ^2/NDF: 21954703.4/65

In: 458.994+/-0.063 χ^2/NDF:21536899.4/54

Out: 428.438+/-0.061 χ^2/NDF:25638984.7/57

All: 443.295+/-0.044 χ^2/NDF: 47297688.1/11



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: 569.705+/-450.800 χ^2/NDF: 29.8/33

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

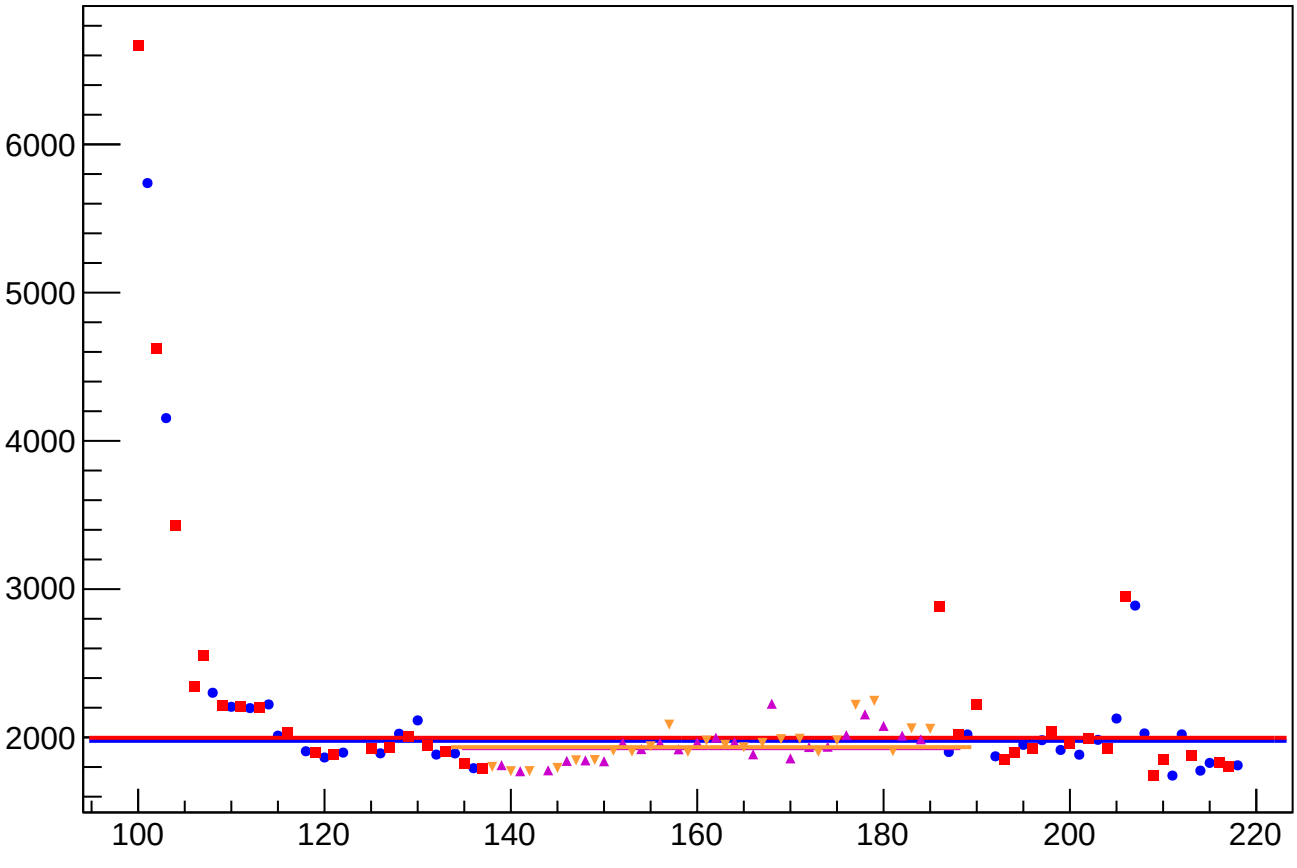
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 311.031+/-317.749 χ^2/NDF: 68.6/65

In: 40.695+/-317.733 χ^2/NDF:58.1/54

Out: 317.596+/-318.392 χ^2/NDF:64.0/57

All: 178.859+/-224.904 χ^2/NDF: 122.5/112



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: 1997.163+/-0.319 χ^2/NDF: 1110393.7/33

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

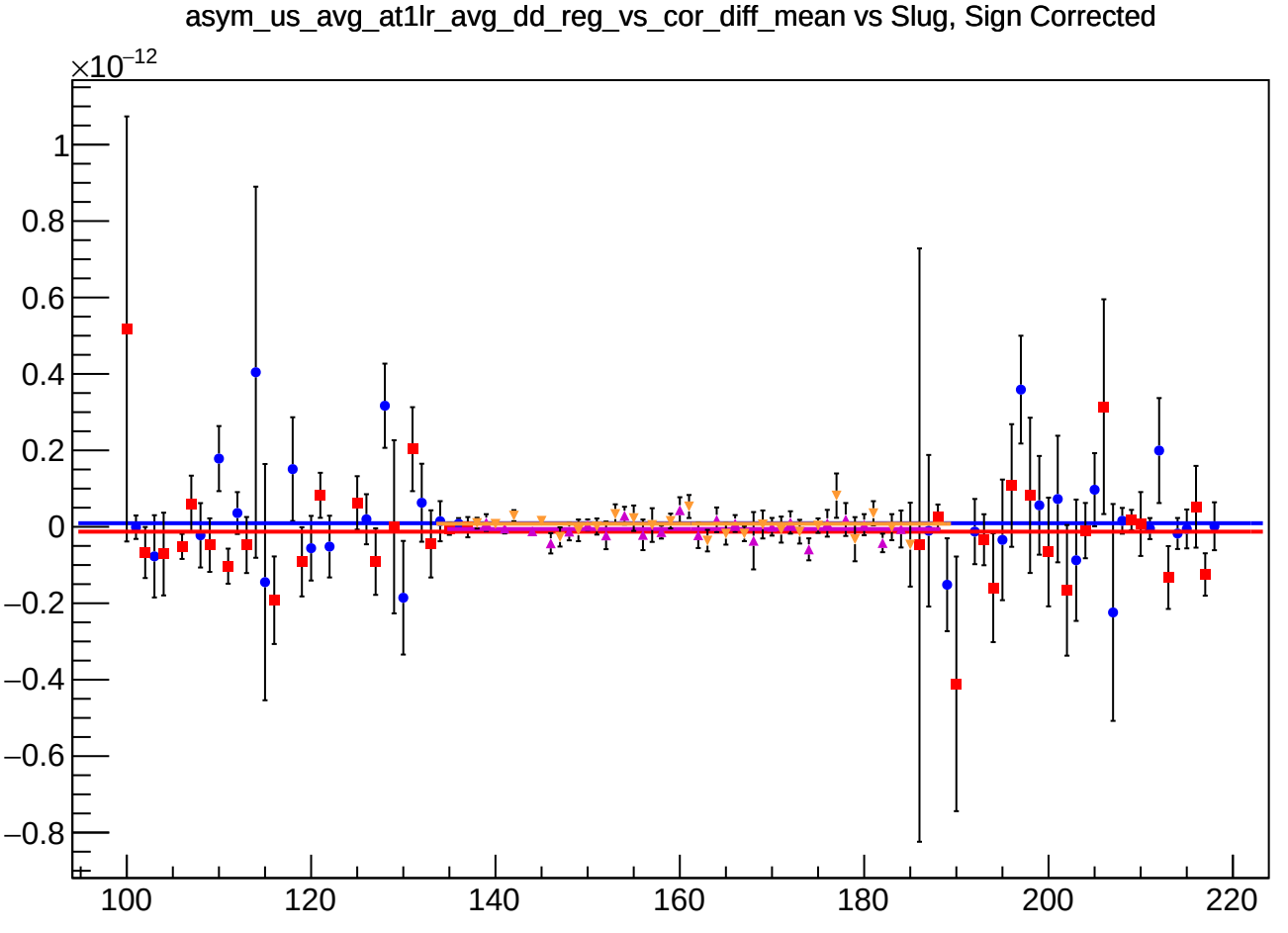
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

Right: 1986.863+/-0.225 χ^2/NDF: 2352074.0/65

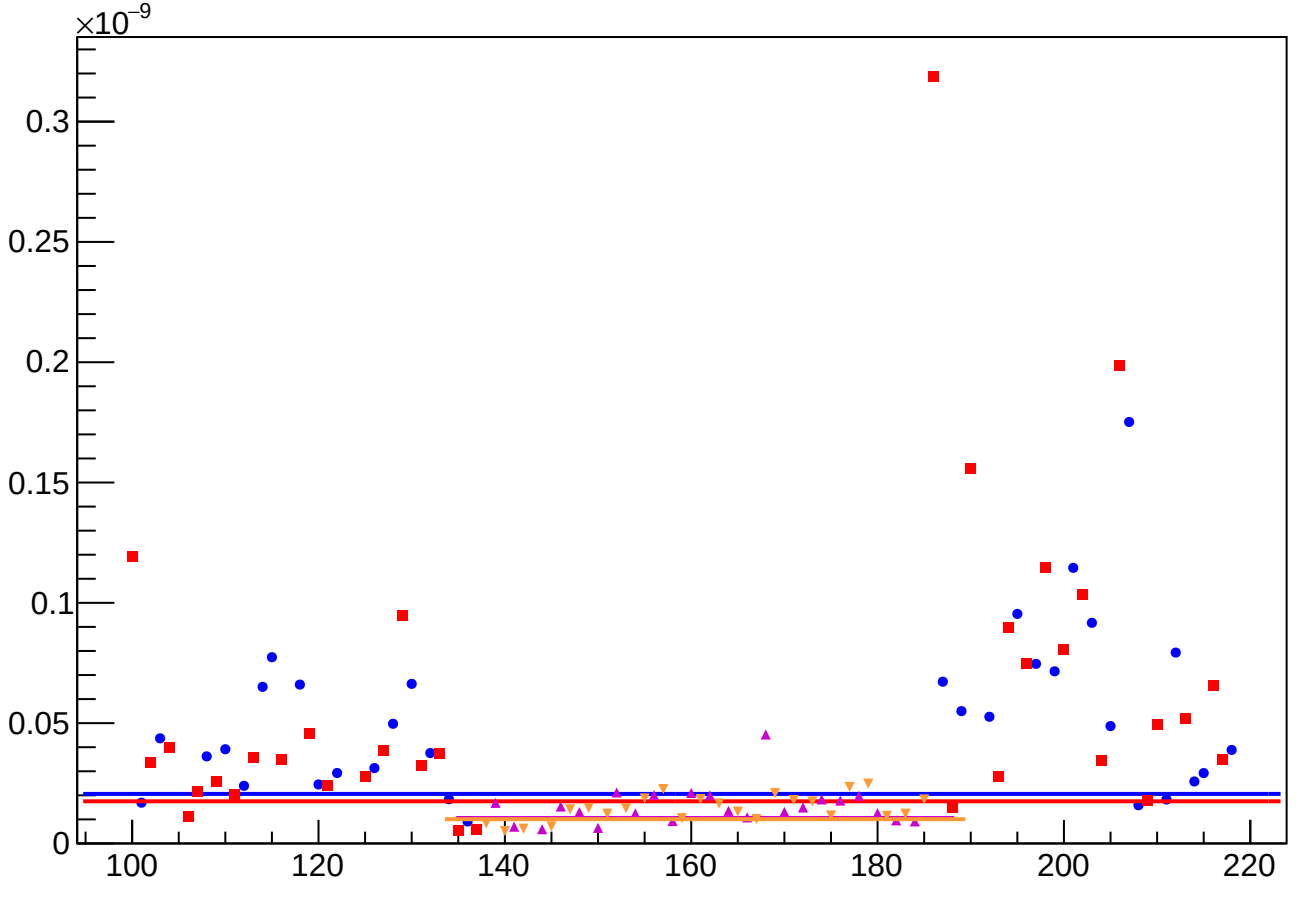
In: 1952.064+/-0.225 χ^2/NDF:1368209.9/54

Out: 1965.410+/-0.225 χ^2/NDF:1258725.0/57

All: 1958.723+/-0.159 χ^2/NDF: 2628695.4/11


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: 35.9/33
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: 69.9/65
In: -0.000+/-0.000 χ²/NDF:49.9/54
Out: 0.000+/-0.000 χ²/NDF:57.6/57
All: 0.000+/-0.000 χ²/NDF: 109.0/112

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 7896730.8/33

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

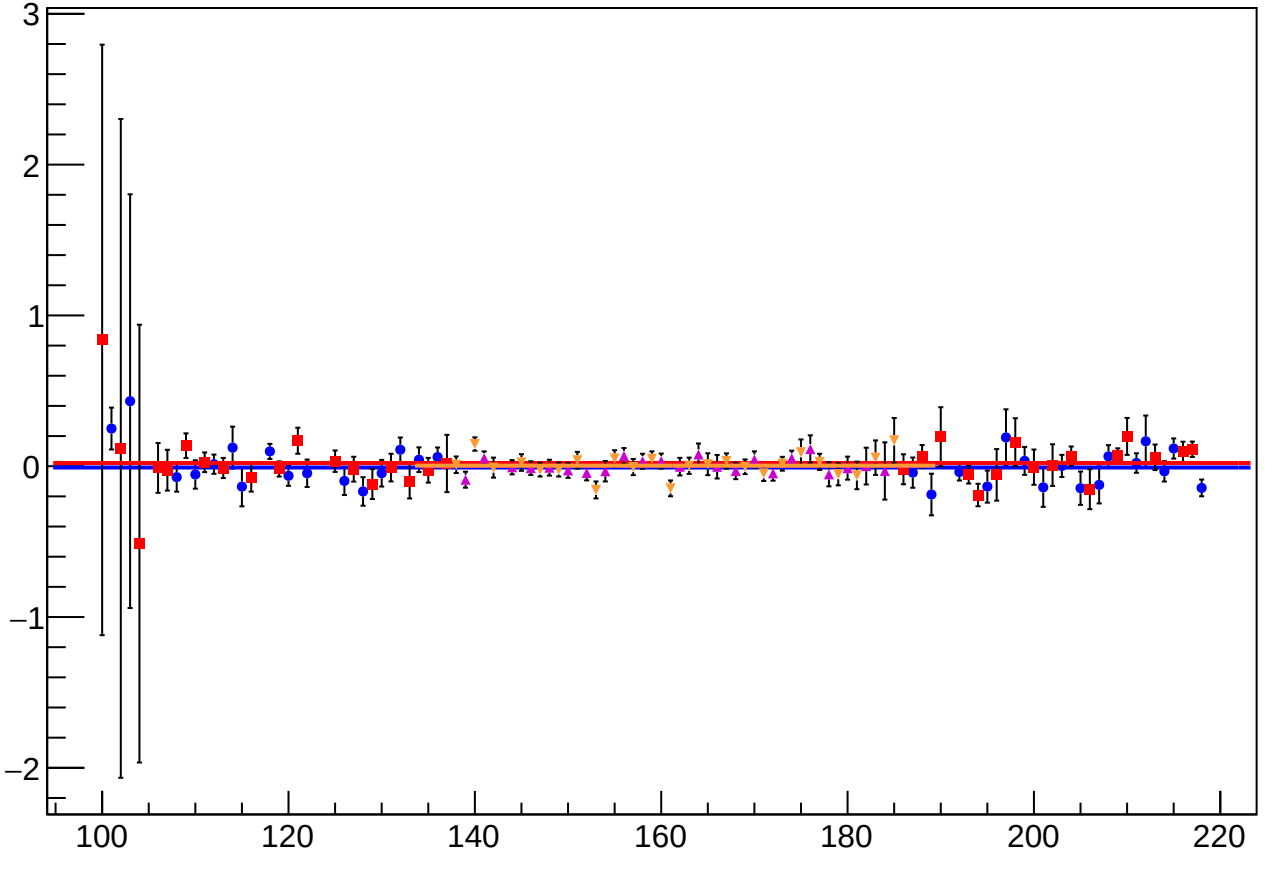
Right: 0.000+/-0.000 χ^2/NDF: 14373973.7/65

In: 0.000+/-0.000 χ^2/NDF:10807041.4/54

Out: 0.000+/-0.000 χ^2/NDF:11286116.9/57

All: 0.000+/-0.000 χ^2/NDF: 22153432.5/112

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: 0.022+/-0.015 χ^2/NDF: 33.0/33

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

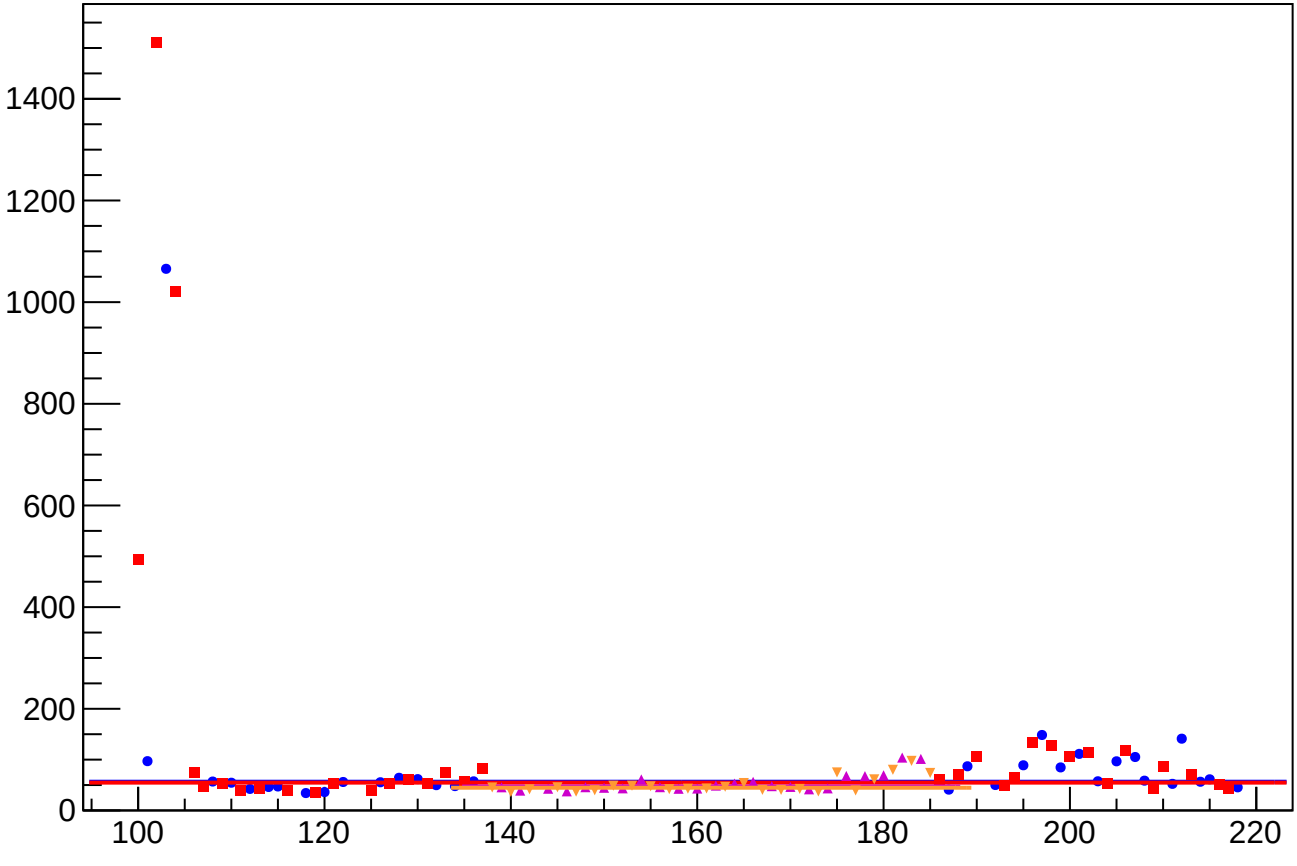
Right: 0.007+/-0.010 χ^2/NDF: 74.5/65

In: -0.002+/-0.009 χ^2/NDF:54.2/54

Out: 0.011+/-0.009 χ^2/NDF:68.9/57

All: 0.005+/-0.006 χ^2/NDF: 124.0/112

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: 54.756+/-0.010 χ^2/NDF: 5390718.4/33

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

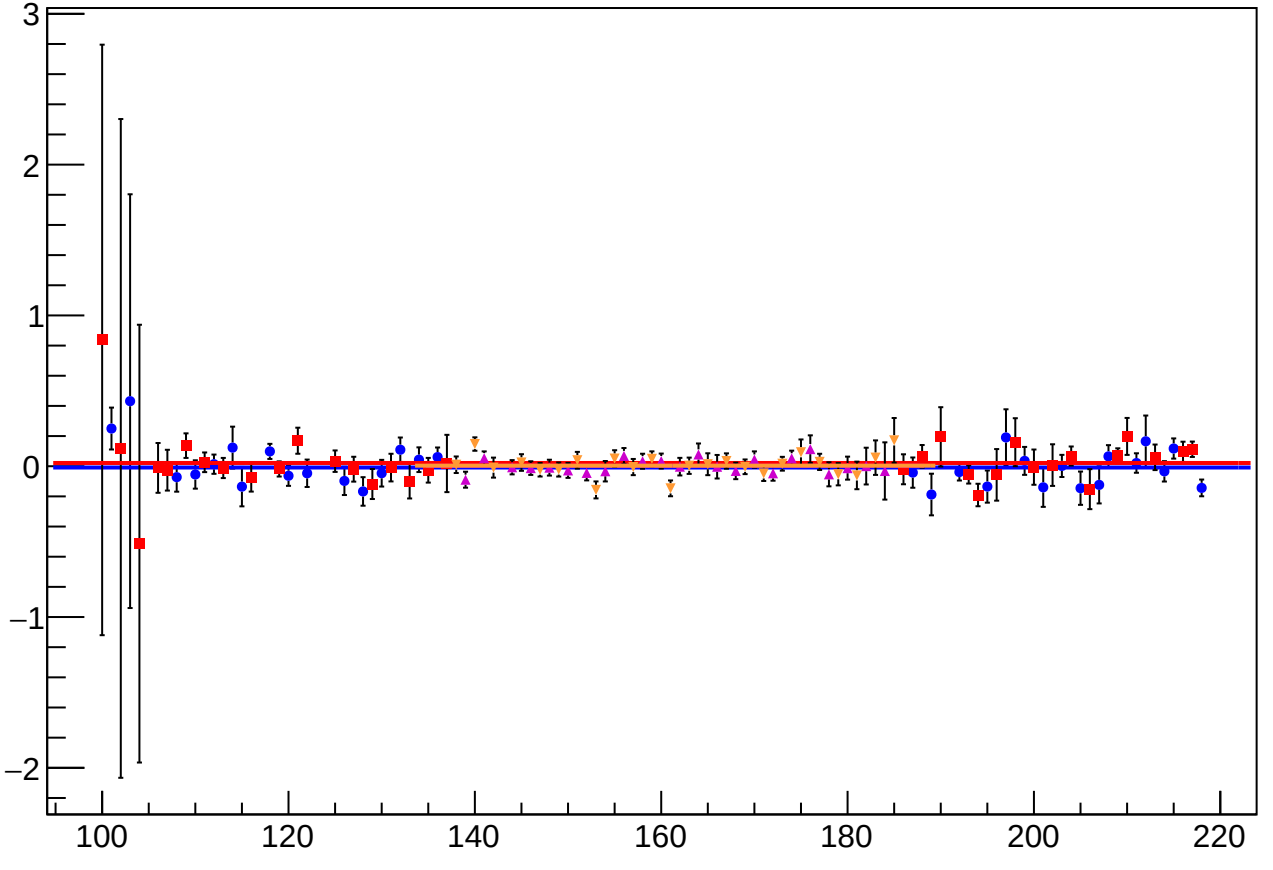
Right: 55.642+/-0.007 χ^2/NDF: 9970593.8/65

In: 50.794+/-0.007 χ^2/NDF:6449736.1/54

Out: 48.546+/-0.006 χ^2/NDF:7449510.9/57

All: 49.643+/-0.005 χ^2/NDF: 13959338.8/112

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: 0.022+/-0.015 χ^2/NDF: 33.0/33

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

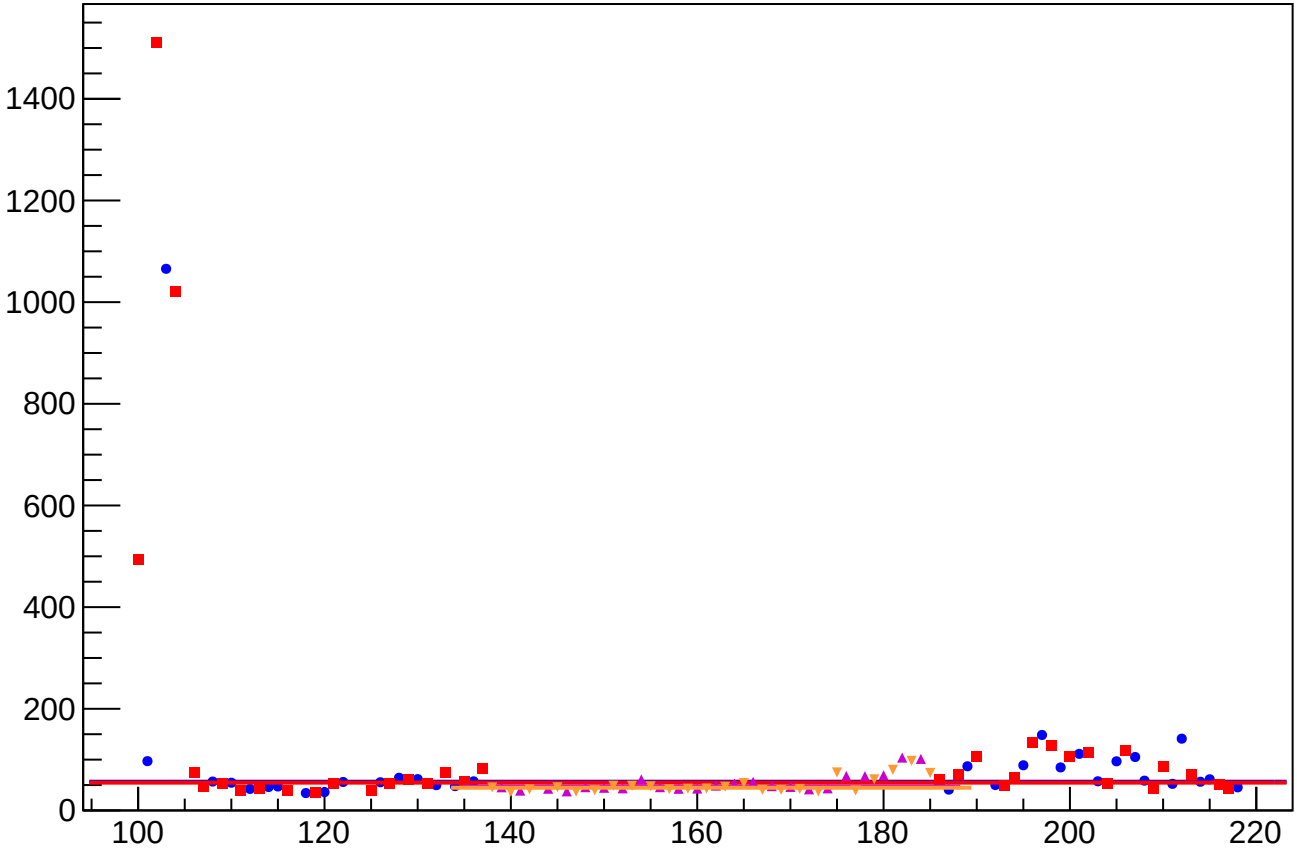
Right: 0.007+/-0.010 χ^2/NDF: 74.5/65

In: -0.002+/-0.009 χ^2/NDF:54.2/54

Out: 0.011+/-0.009 χ^2/NDF:68.9/57

All: 0.005+/-0.006 χ^2/NDF: 124.0/112

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: 54.756+/-0.010 χ^2/NDF: 5390718.4/33

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

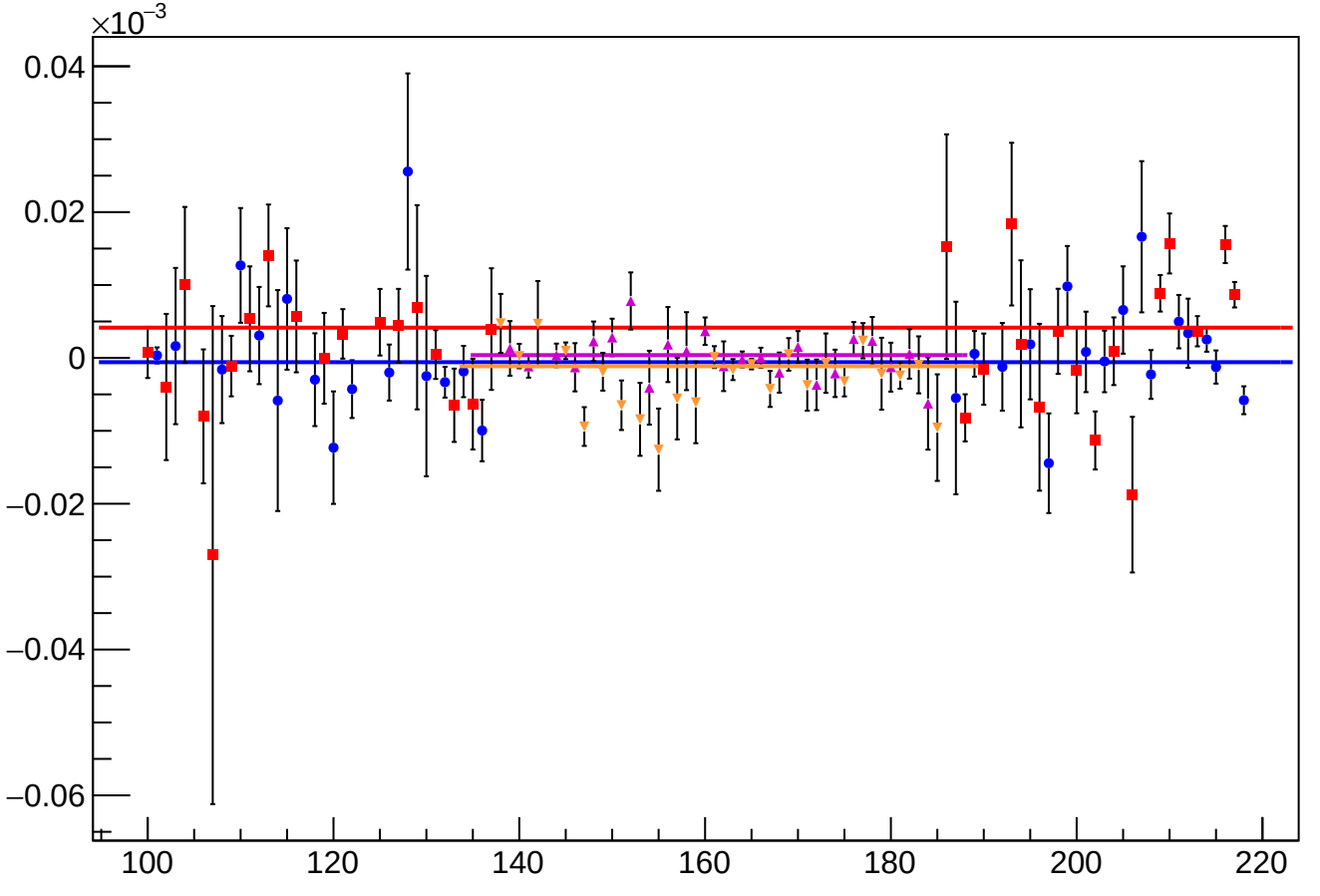
Right: 55.642+/-0.007 χ^2/NDF: 9970593.8/65

In: 50.794+/-0.007 χ^2/NDF:6449736.1/54

Out: 48.546+/-0.006 χ^2/NDF:7449510.9/57

All: 49.643+/-0.005 χ^2/NDF: 13959338.8/112

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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: 95.8/33

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

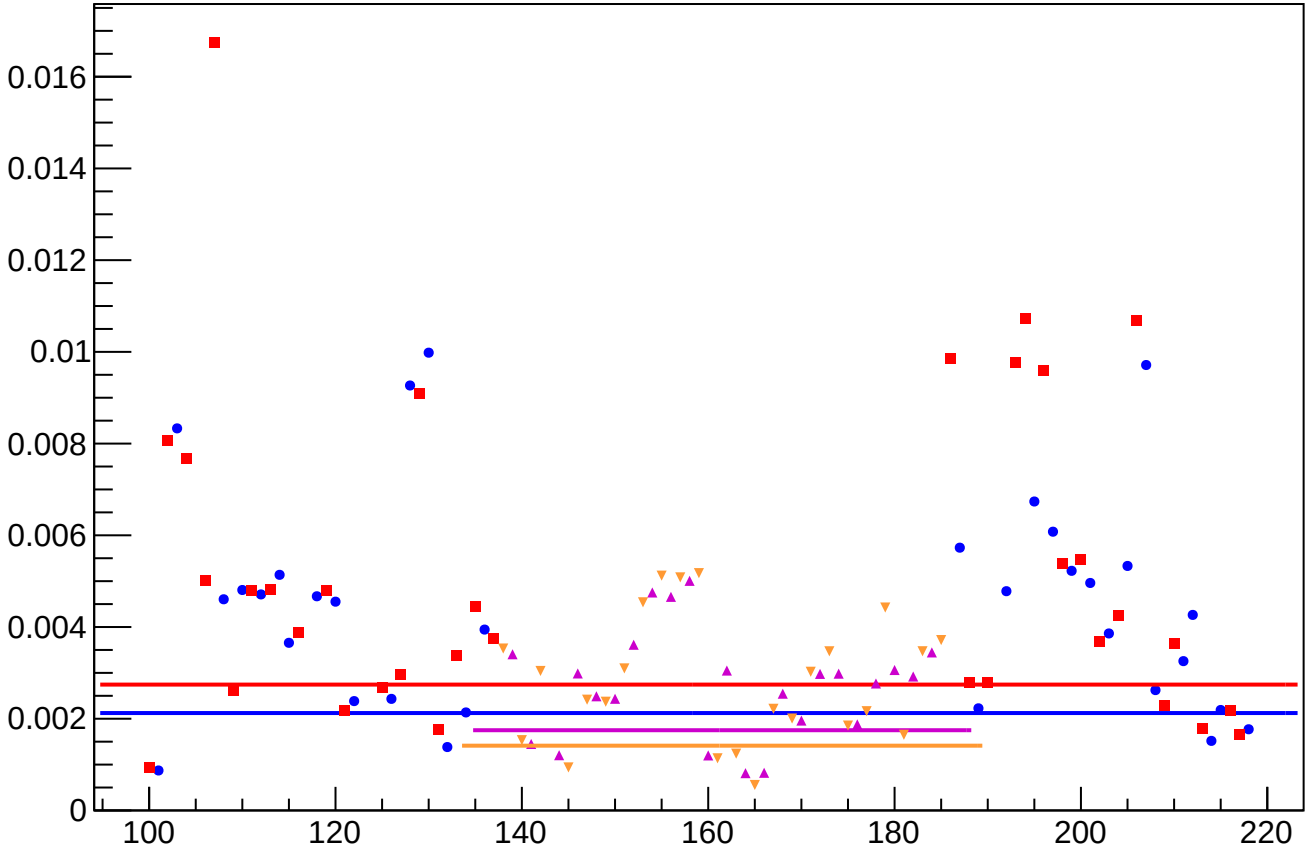
Right: 0.000+/-0.000 χ^2/NDF: 166.5/65

In: -0.000+/-0.000 χ^2/NDF:63.3/54

Out: 0.000+/-0.000 χ^2/NDF:171.5/57

All: 0.000+/-0.000 χ^2/NDF: 234.9/112

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: 10043237.2/33

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

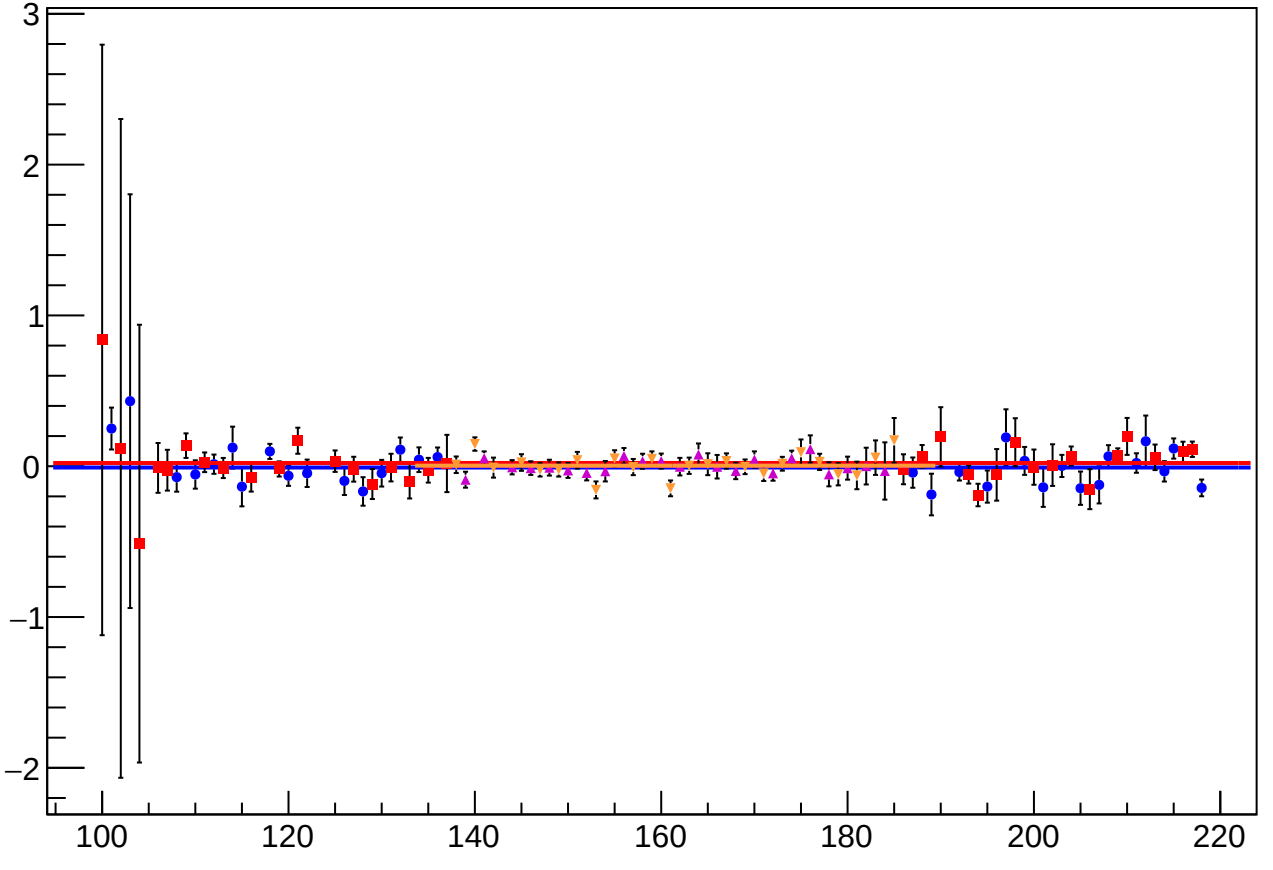
Right: 0.002+/-0.000 χ^2/NDF: 23515503.6/65

In: 0.002+/-0.000 χ^2/NDF:21314950.1/54

Out: 0.002+/-0.000 χ^2/NDF:26691605.4/57

All: 0.002+/-0.000 χ^2/NDF: 48217067.2/112

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: 0.022+/-0.015 χ^2/NDF: 33.0/33

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

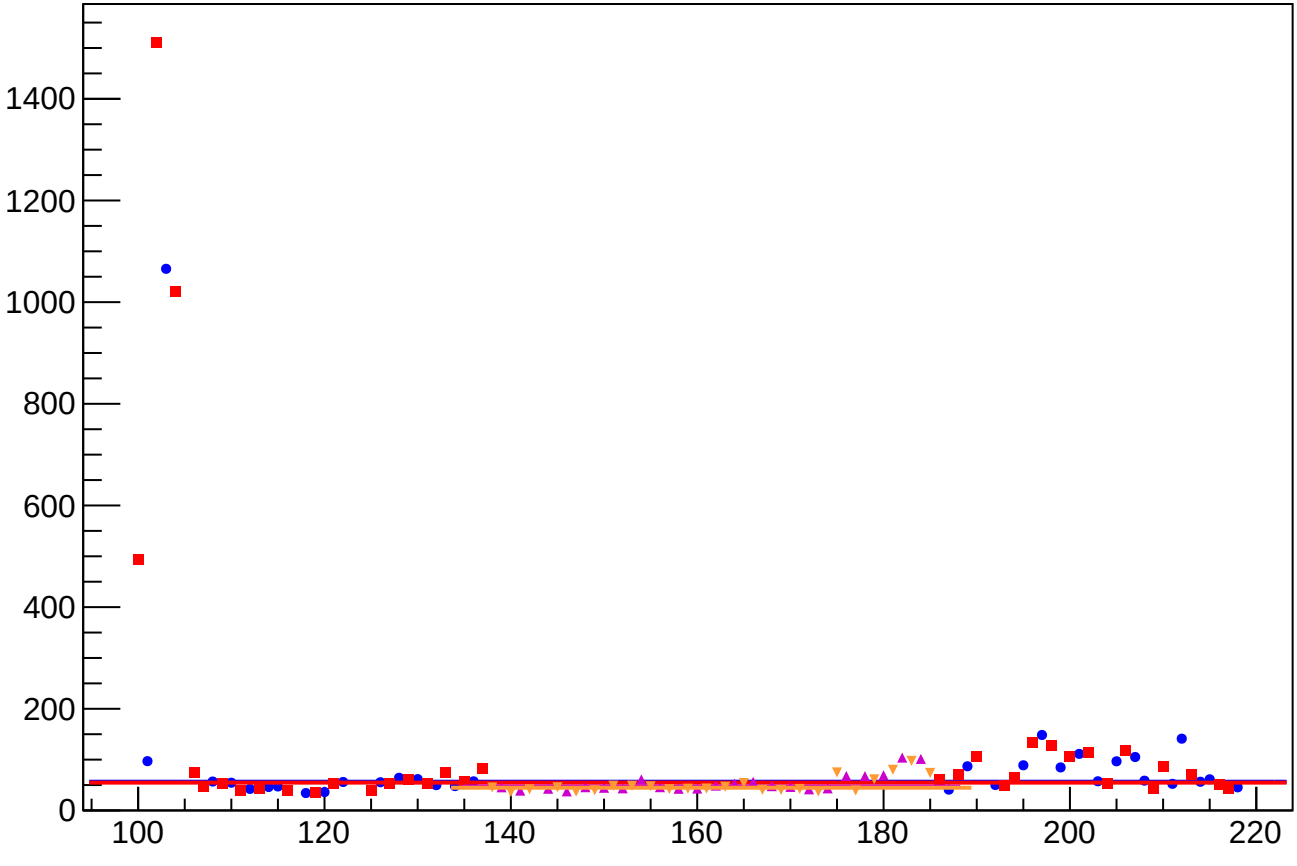
Right: 0.007+/-0.010 χ^2/NDF: 74.5/65

In: -0.002+/-0.009 χ^2/NDF:54.2/54

Out: 0.011+/-0.009 χ^2/NDF:68.9/57

All: 0.005+/-0.006 χ^2/NDF: 124.0/112

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: 54.755+/-0.010 χ^2/NDF: 5390904.5/33

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

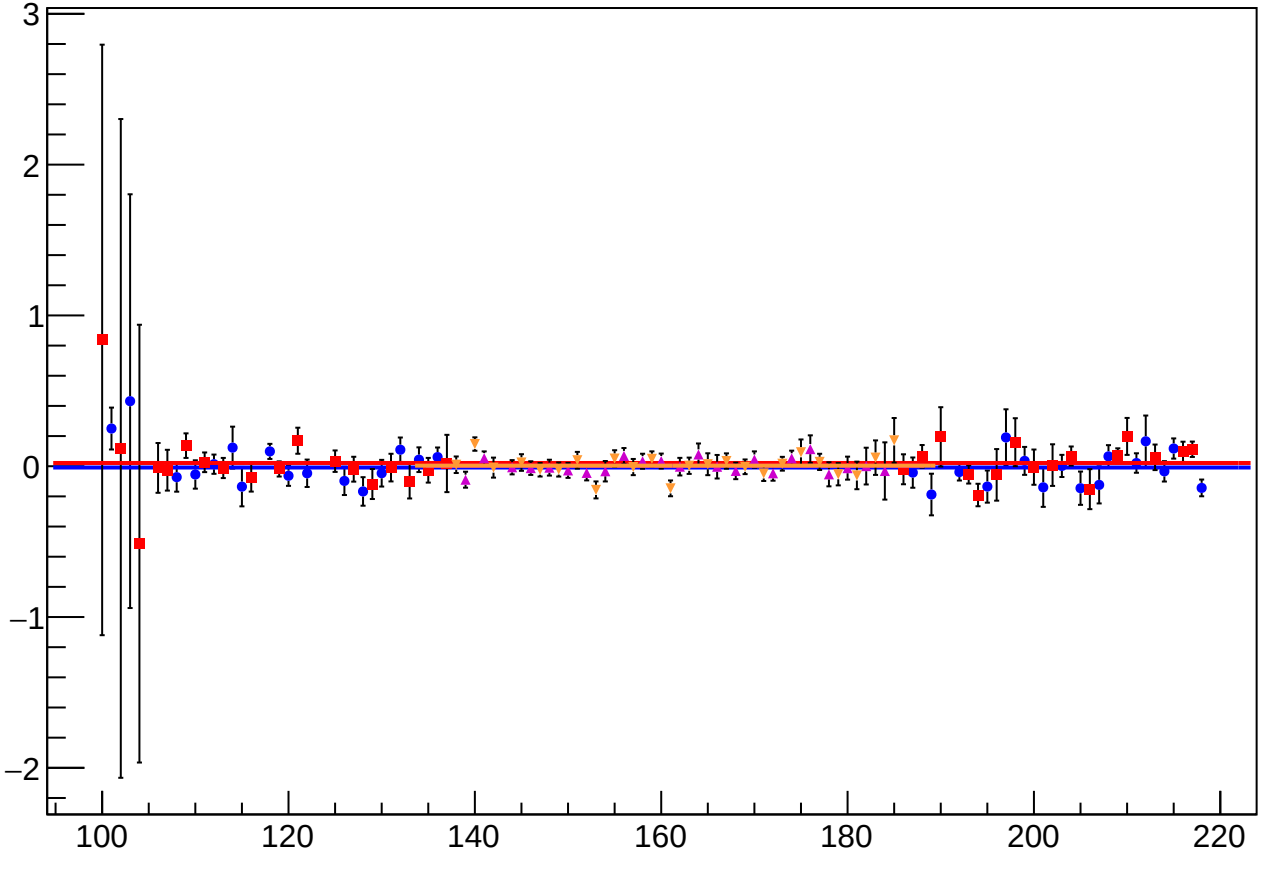
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 55.641+/-0.007 χ^2/NDF: 9970871.3/65

In: 50.794+/-0.007 χ^2/NDF:6449873.3/54

Out: 48.546+/-0.006 χ^2/NDF:7449585.0/57

All: 49.642+/-0.005 χ^2/NDF: 13959542.2/112



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: 0.022+/-0.015 χ^2/NDF: 33.0/33

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

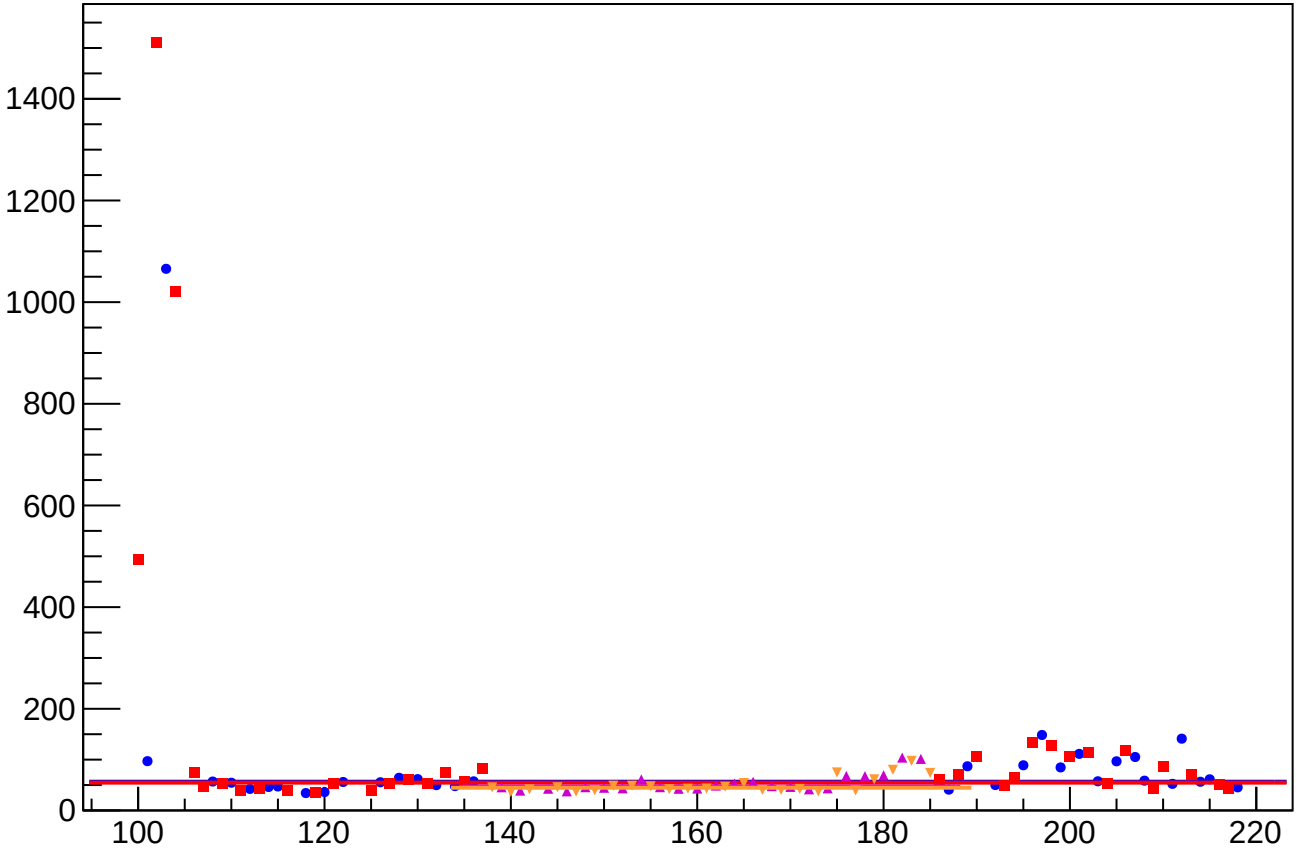
Right: 0.007+/-0.010 χ^2/NDF: 74.5/65

In: -0.002+/-0.009 χ^2/NDF:54.2/54

Out: 0.011+/-0.009 χ^2/NDF:68.9/57

All: 0.005+/-0.006 χ^2/NDF: 124.0/112

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: 54.755+/-0.010 χ^2/NDF: 5390904.5/33

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

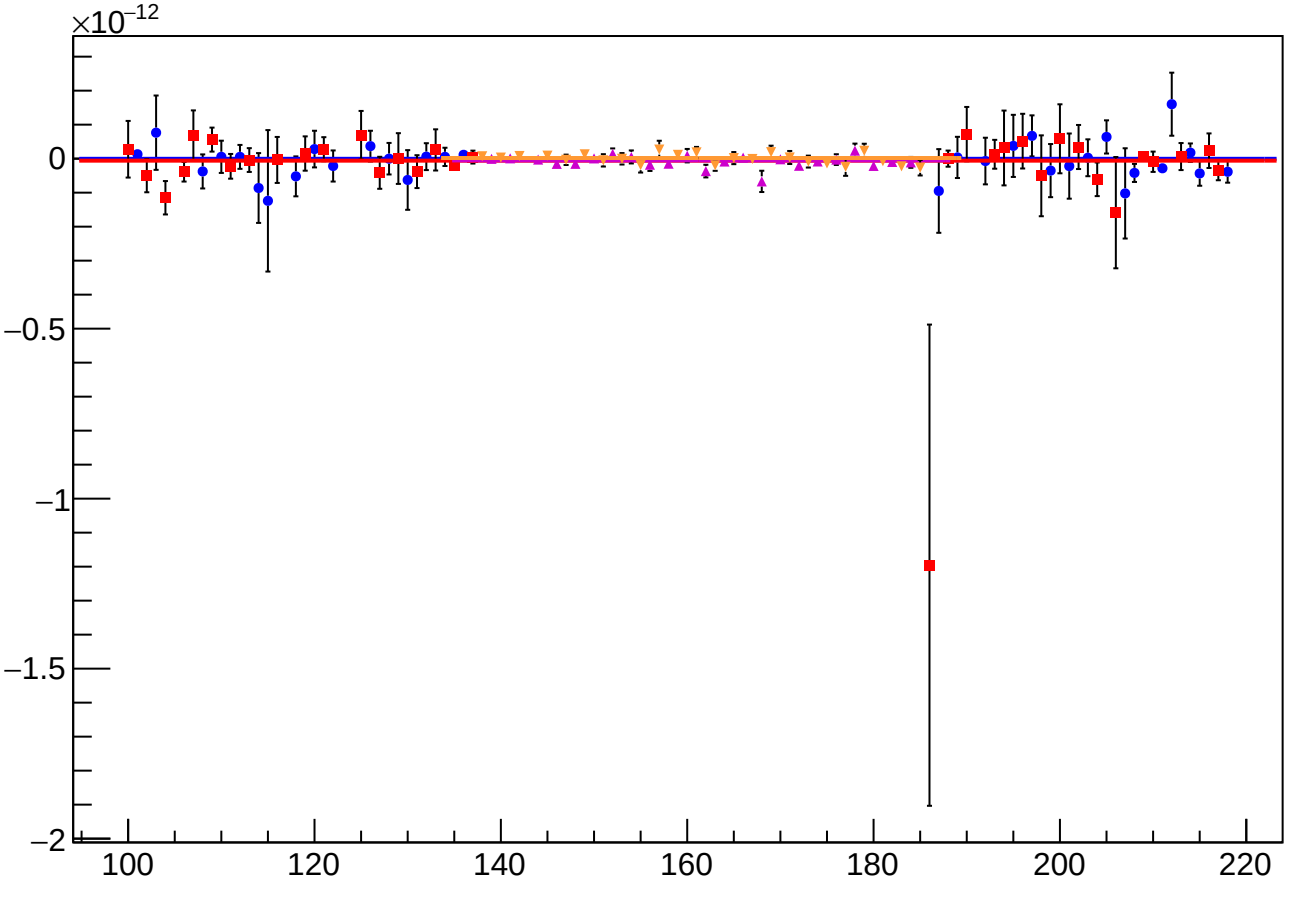
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 55.641+/-0.007 χ^2/NDF: 9970871.3/65

In: 50.794+/-0.007 χ^2/NDF:6449873.3/54

Out: 48.546+/-0.006 χ^2/NDF:7449585.0/57

All: 49.642+/-0.005 χ^2/NDF: 13959542.2/112



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: 27.0/33

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

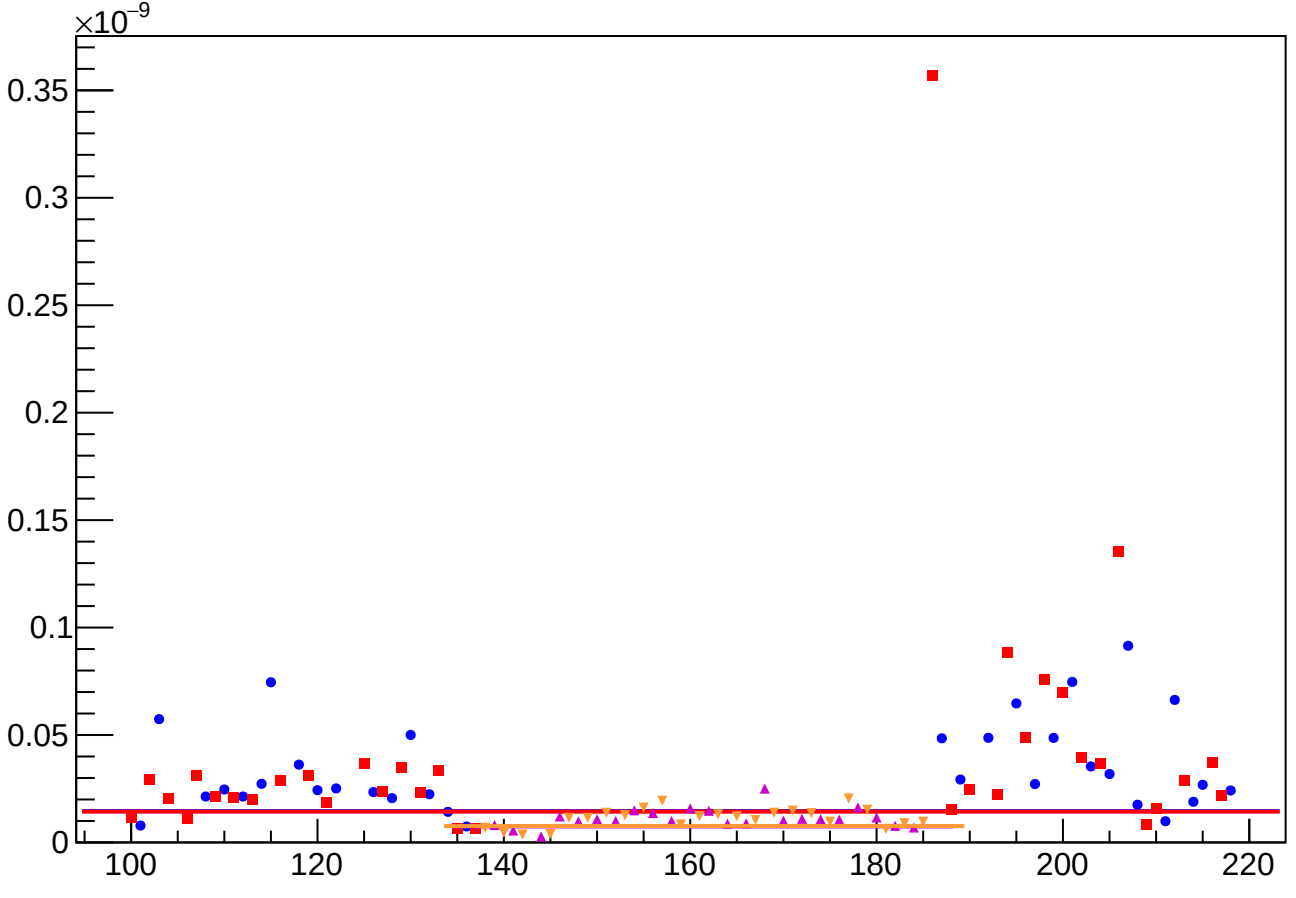
Right: -0.000+/-0.000 χ^2/NDF: 51.9/65

In: -0.000+/-0.000 χ^2/NDF:42.9/54

Out: 0.000+/-0.000 χ^2/NDF:49.2/57

All: -0.000+/-0.000 χ^2/NDF: 94.7/112

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8455240.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9142239.6/33

Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

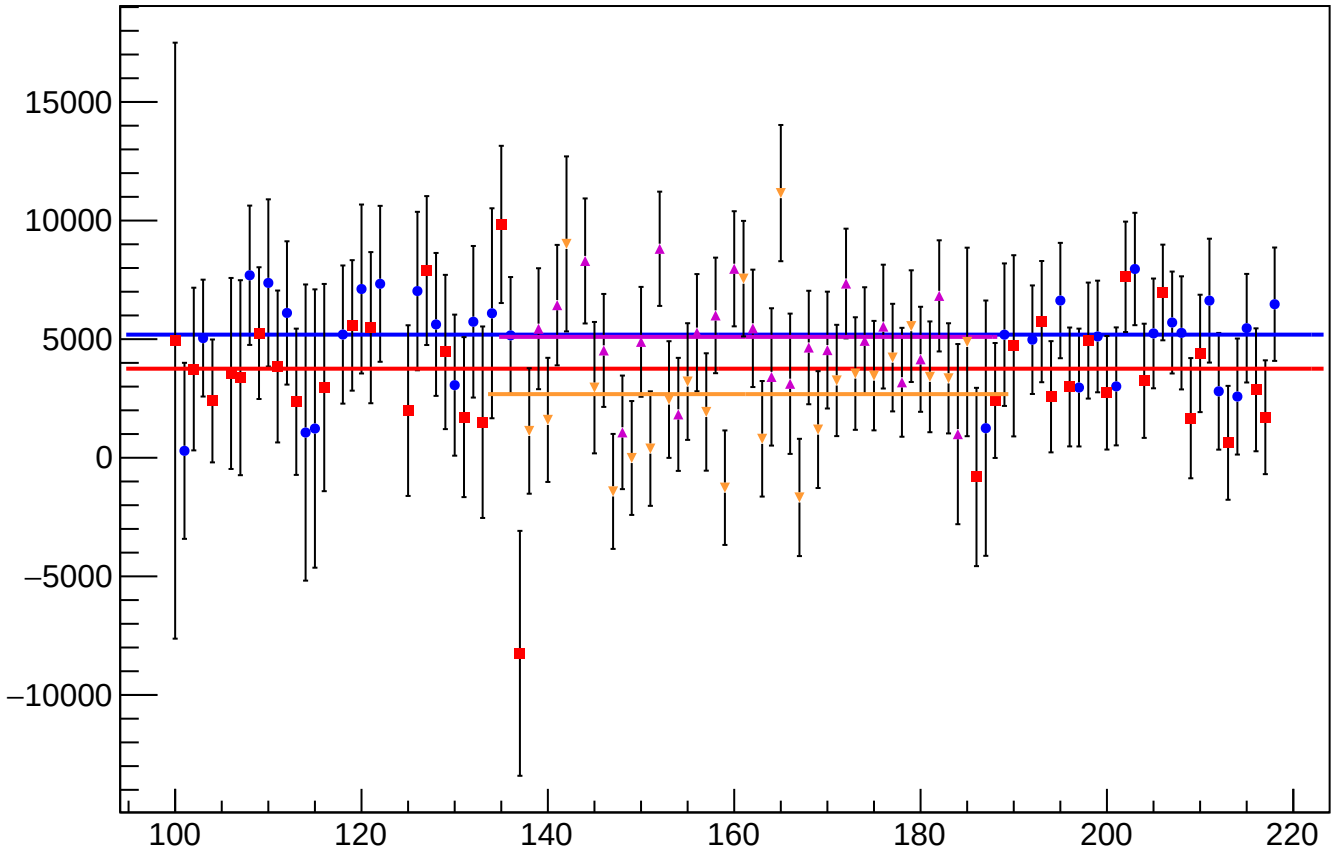
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 17598547.9/65

In: 0.000+/-0.000 χ^2/NDF:17315855.0/54

Out: 0.000+/-0.000 χ^2/NDF:17268559.0/57

All: 0.000+/-0.000 χ^2/NDF: 34586248.4/112



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: 3755.044+/-494.351 χ^2/NDF: 24.9/33

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

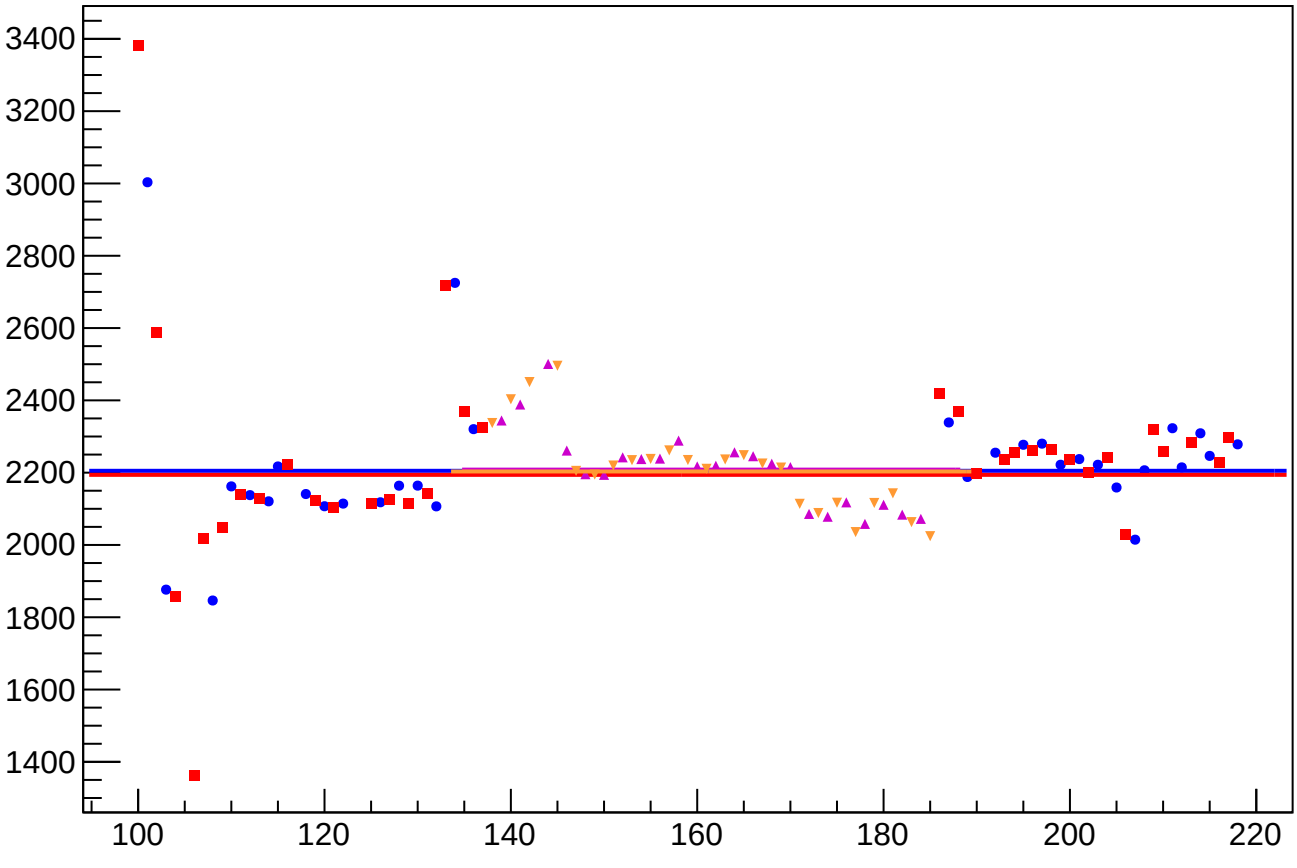
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4476.118+/-348.810 χ^2/NDF: 41.2/65

In: 5145.988+/-356.246 χ^2/NDF:27.0/54

Out: 3237.776+/-355.641 χ^2/NDF:58.0/57

All: 4190.260+/-251.690 χ^2/NDF: 99.3/112



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: 2193.936+/-0.347 χ^2/NDF: 340332.9/33

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

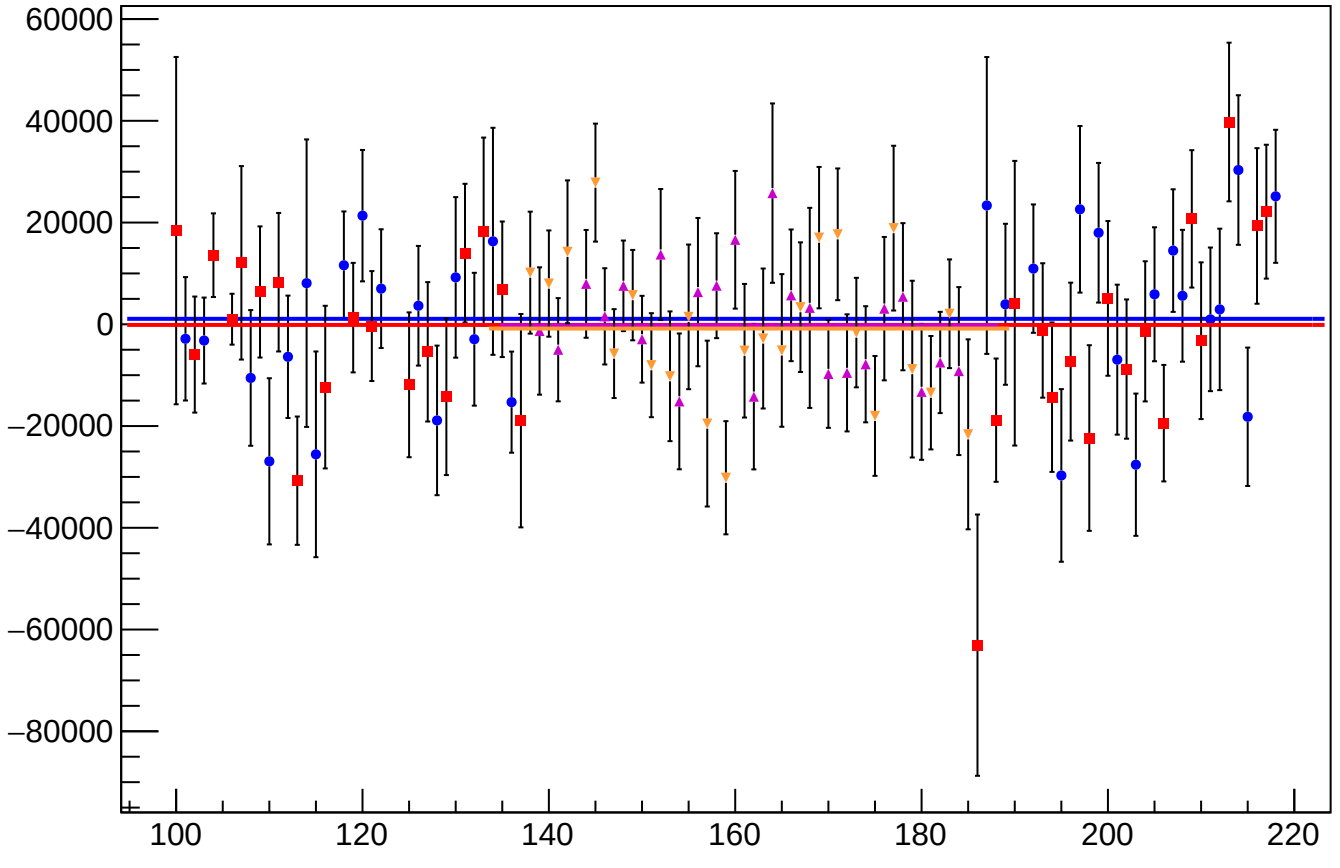
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2199.516+/-0.246 χ^2/NDF: 573660.4/65

In: 2206.669+/-0.252 χ^2/NDF:313847.0/54

Out: 2198.424+/-0.251 χ^2/NDF:428889.2/57

All: 2202.527+/-0.178 χ^2/NDF: 743274.5/112



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: -120.591+/-2186.618 χ^2/NDF: 43.6/33

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

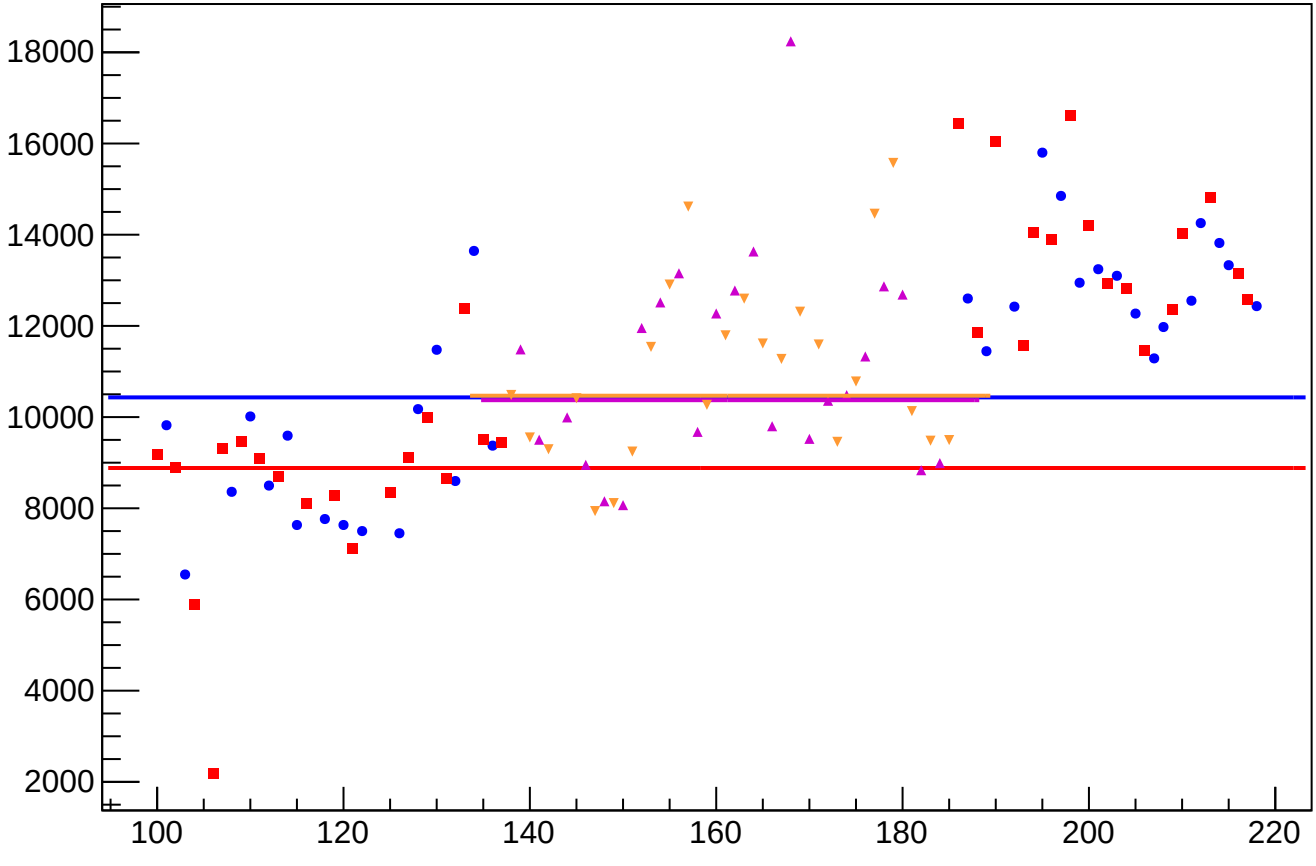
Right: 423.009+/-1615.351 χ^2/NDF: 82.3/65

In: 466.090+/-1720.471 χ^2/NDF:52.4/54

Out: -432.189+/-1640.564 χ^2/NDF:73.1/57

All: -4.393+/-1187.298 χ^2/NDF: 125.7/112

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



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: 8883.579+/-1.546 χ^2/NDF: 6986204.6/33

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

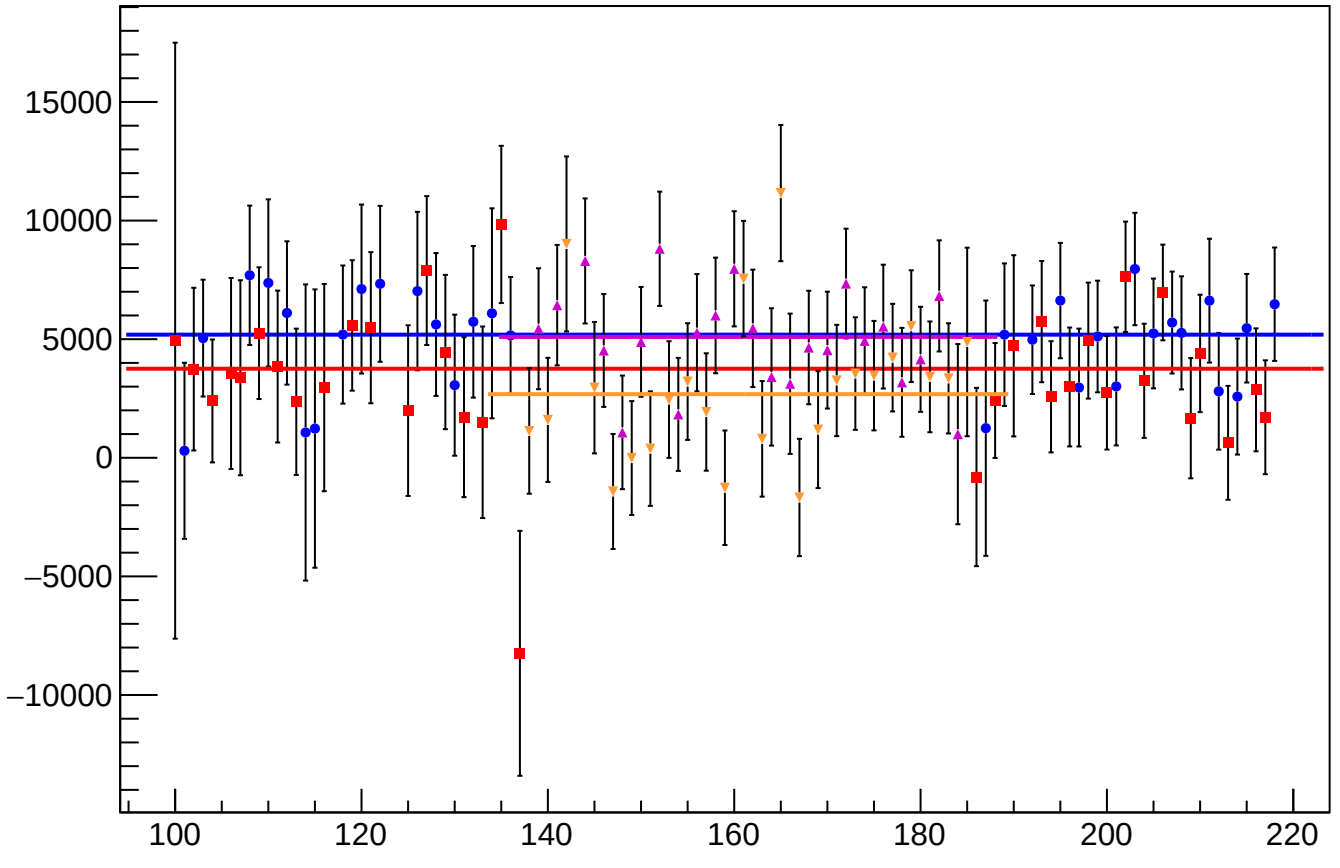
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 9586.999+/-1.142 χ^2/NDF: 9709466.3/65

In: 10402.426+/-1.217 χ^2/NDF:3472023.1/54

Out: 9576.407+/-1.160 χ^2/NDF:8490834.1/57

All: 9969.789+/-0.840 χ^2/NDF: 12204319.4/1



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: 3754.963+/-494.351 χ^2/NDF: 24.9/33

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

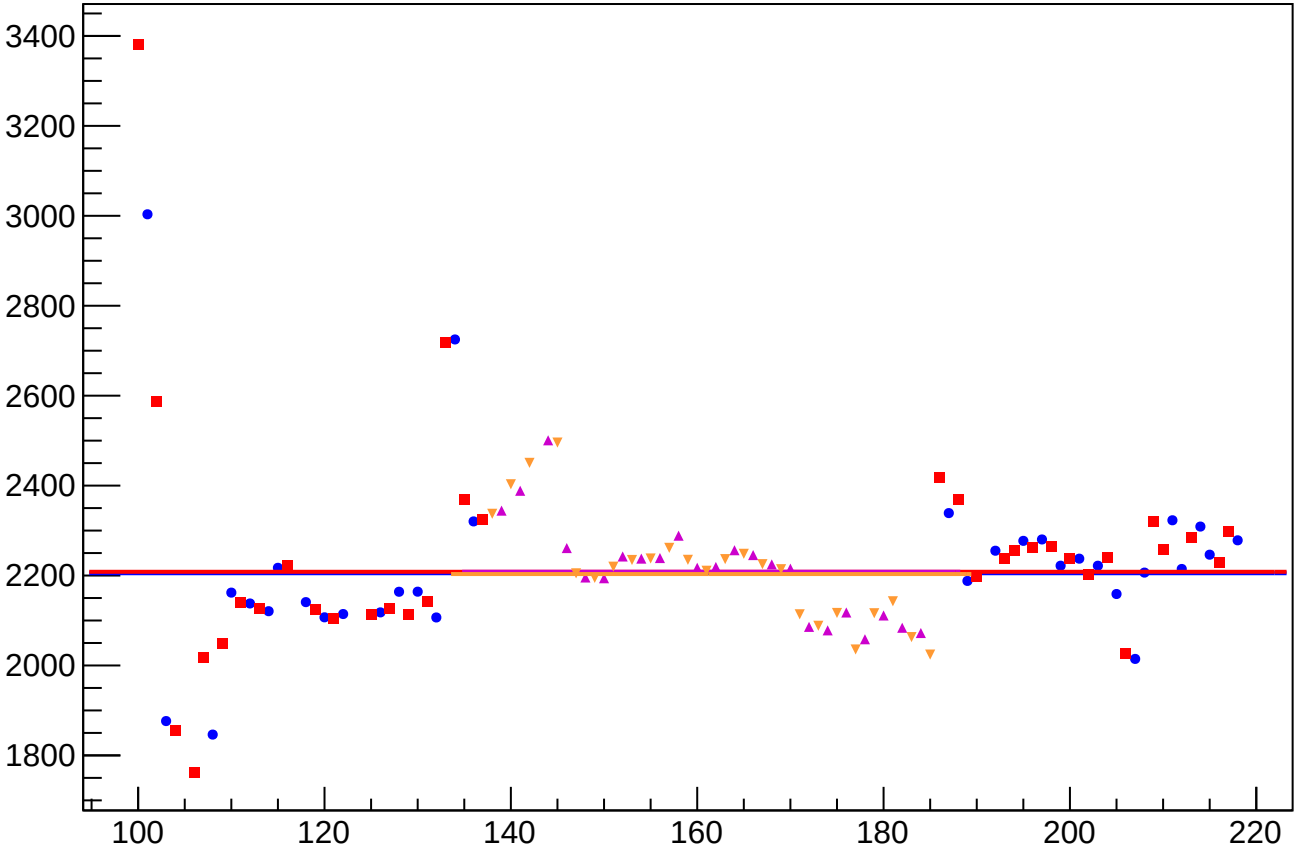
Right: 4476.094+/-348.810 χ^2/NDF: 41.2/65

In: 5145.961+/-356.246 χ^2/NDF:27.0/54

Out: 3237.696+/-355.641 χ^2/NDF:58.0/57

All: 4190.207+/-251.690 χ^2/NDF: 99.3/112

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: 2208.359+/-0.349 χ^2/NDF: 213757.3/33

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

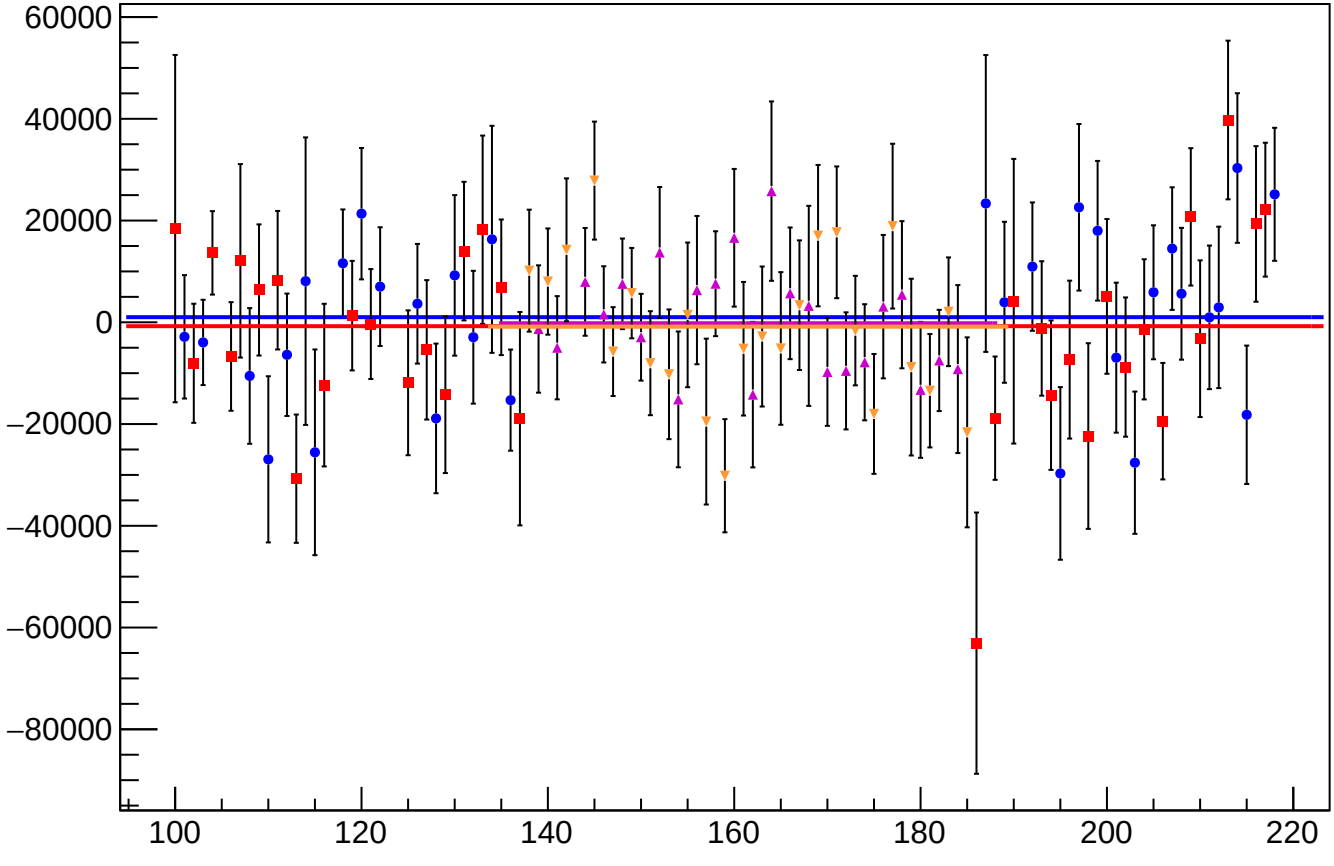
Right: 2206.733+/-0.246 χ^2/NDF: 446611.8/65

In: 2206.669+/-0.252 χ^2/NDF:313847.4/54

Out: 2205.921+/-0.251 χ^2/NDF:302067.0/57

All: 2206.294+/-0.178 χ^2/NDF: 615918.8/112

asym_us_avg_at2lr_avg_avg_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: -762.308+/-2372.858 χ^2/NDF: 44.1/33

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

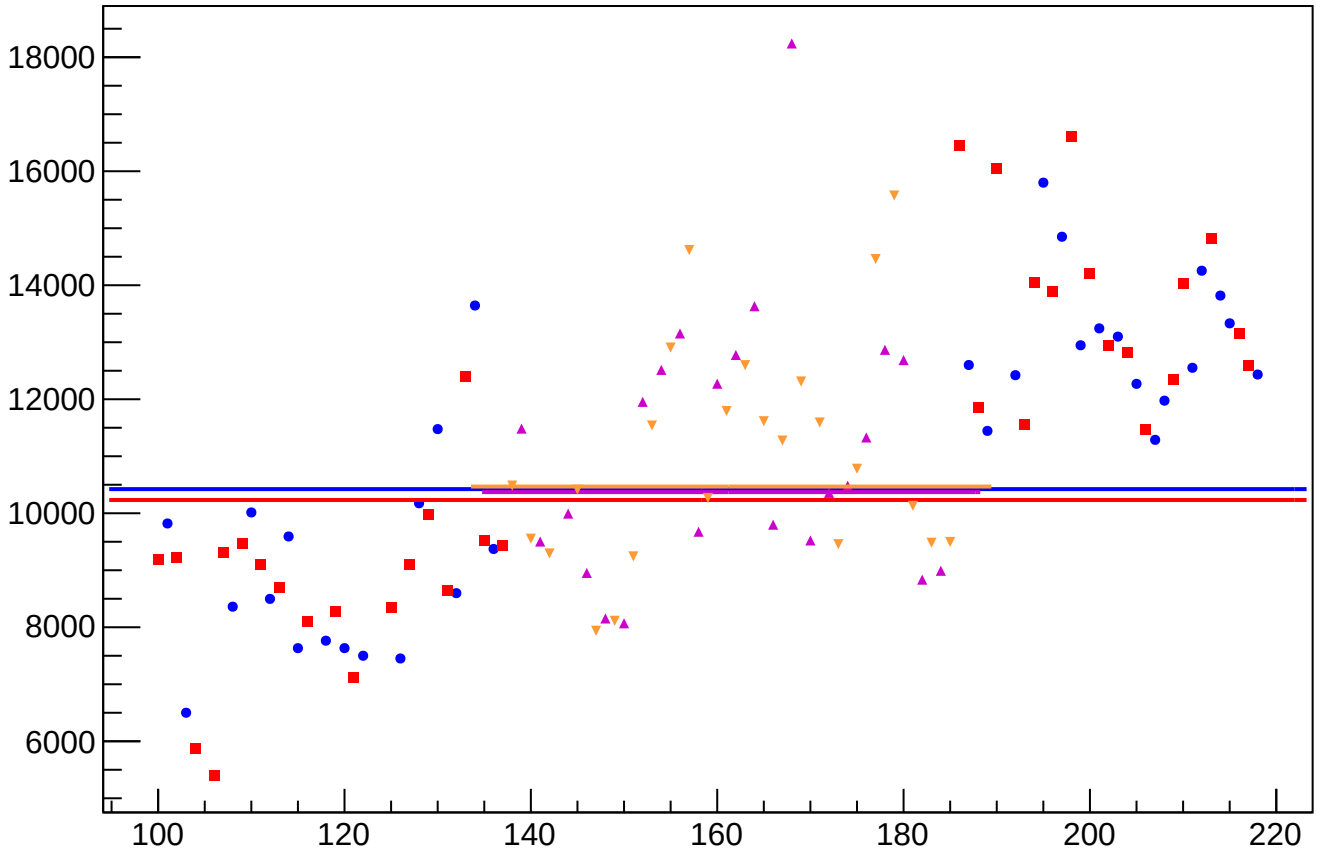
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

Right: 114.774+/-1685.718 χ^2/NDF: 83.0/65

In: 431.647+/-1719.921 χ^2/NDF:52.5/54

Out: -796.292+/-1714.975 χ^2/NDF:73.6/57

All: -184.091+/-1214.415 χ^2/NDF: 126.3/112



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: 10232.932+/-1.678 χ^2/NDF: 2963166.2/33

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

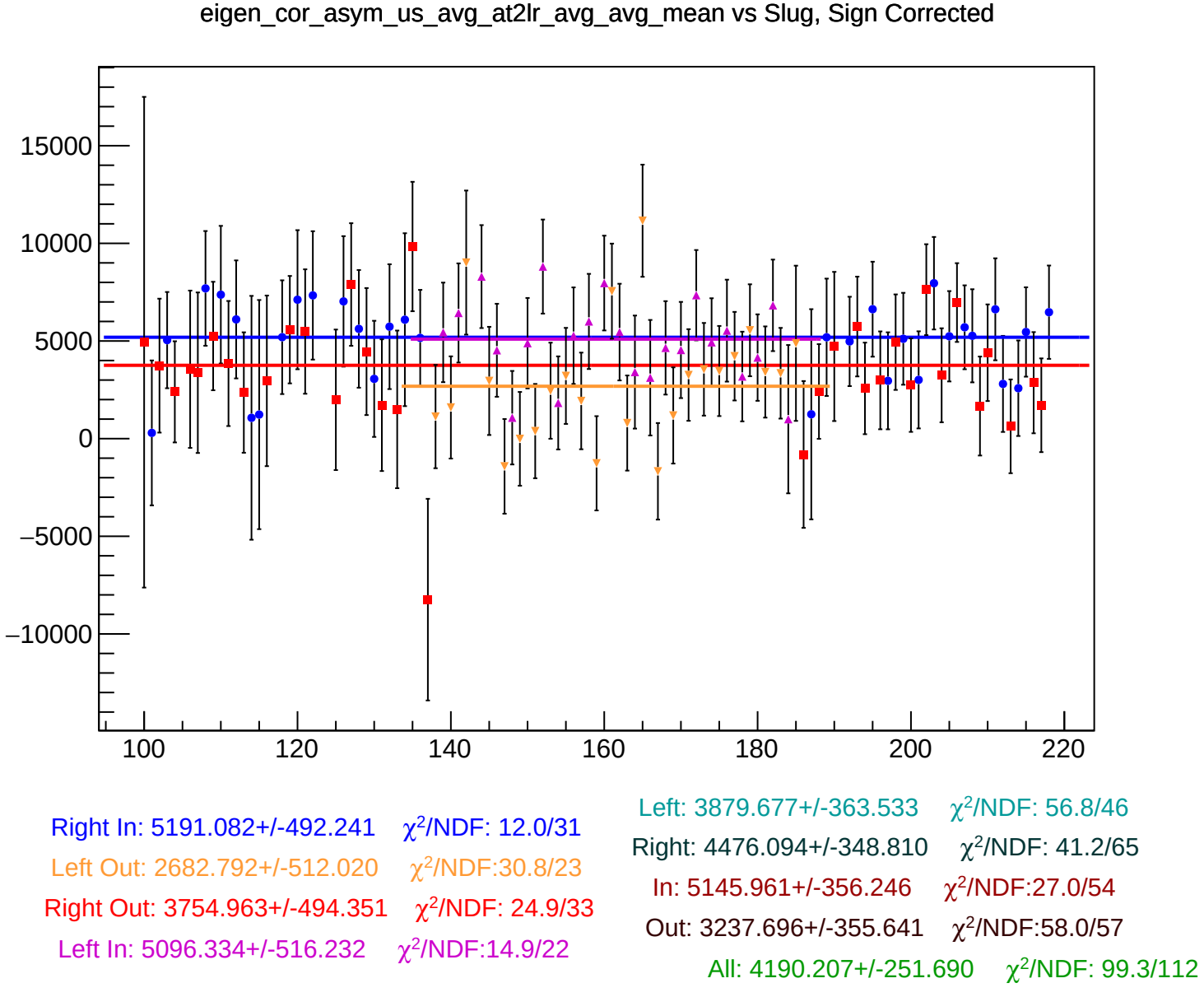
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

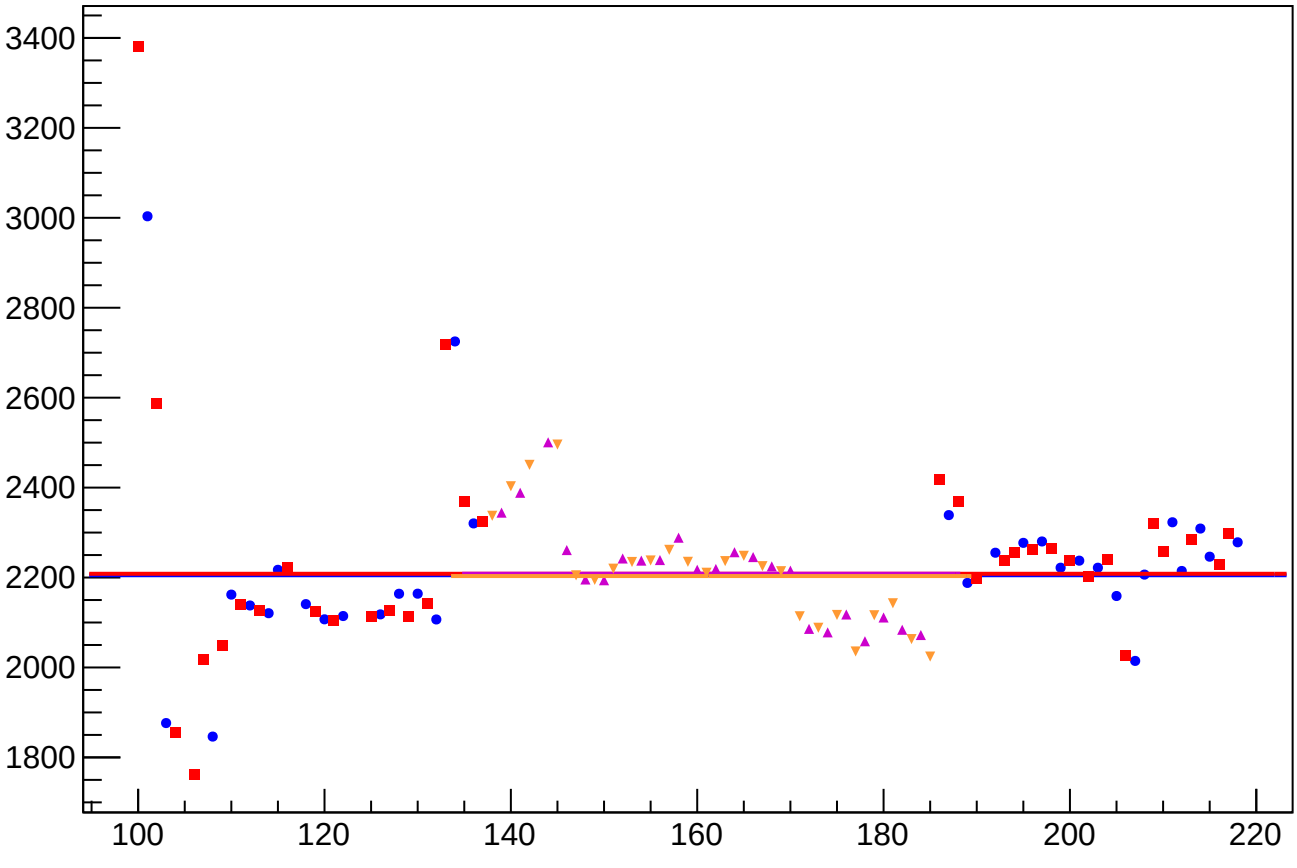
Right: 10327.272+/-1.192 χ^2/NDF: 5254167.9/65

In: 10397.962+/-1.216 χ^2/NDF:3488848.6/54

Out: 10345.532+/-1.213 χ^2/NDF:4017853.8/57

All: 10371.672+/-0.859 χ^2/NDF: 7507634.3/1


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 5191.082+/-492.241 χ²/NDF: 12.0/31
Left Out: 2682.792+/-512.020 χ²/NDF:30.8/23
Right Out: 3754.963+/-494.351 χ²/NDF: 24.9/33
Left In: 5096.334+/-516.232 χ²/NDF:14.9/22
Left: 3879.677+/-363.533 χ²/NDF: 56.8/46
Right: 4476.094+/-348.810 χ²/NDF: 41.2/65
In: 5145.961+/-356.246 χ²/NDF:27.0/54
Out: 3237.696+/-355.641 χ²/NDF:58.0/57
All: 4190.207+/-251.690 χ²/NDF: 99.3/112



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: 2208.359+/-0.349 χ^2/NDF: 213757.3/33

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

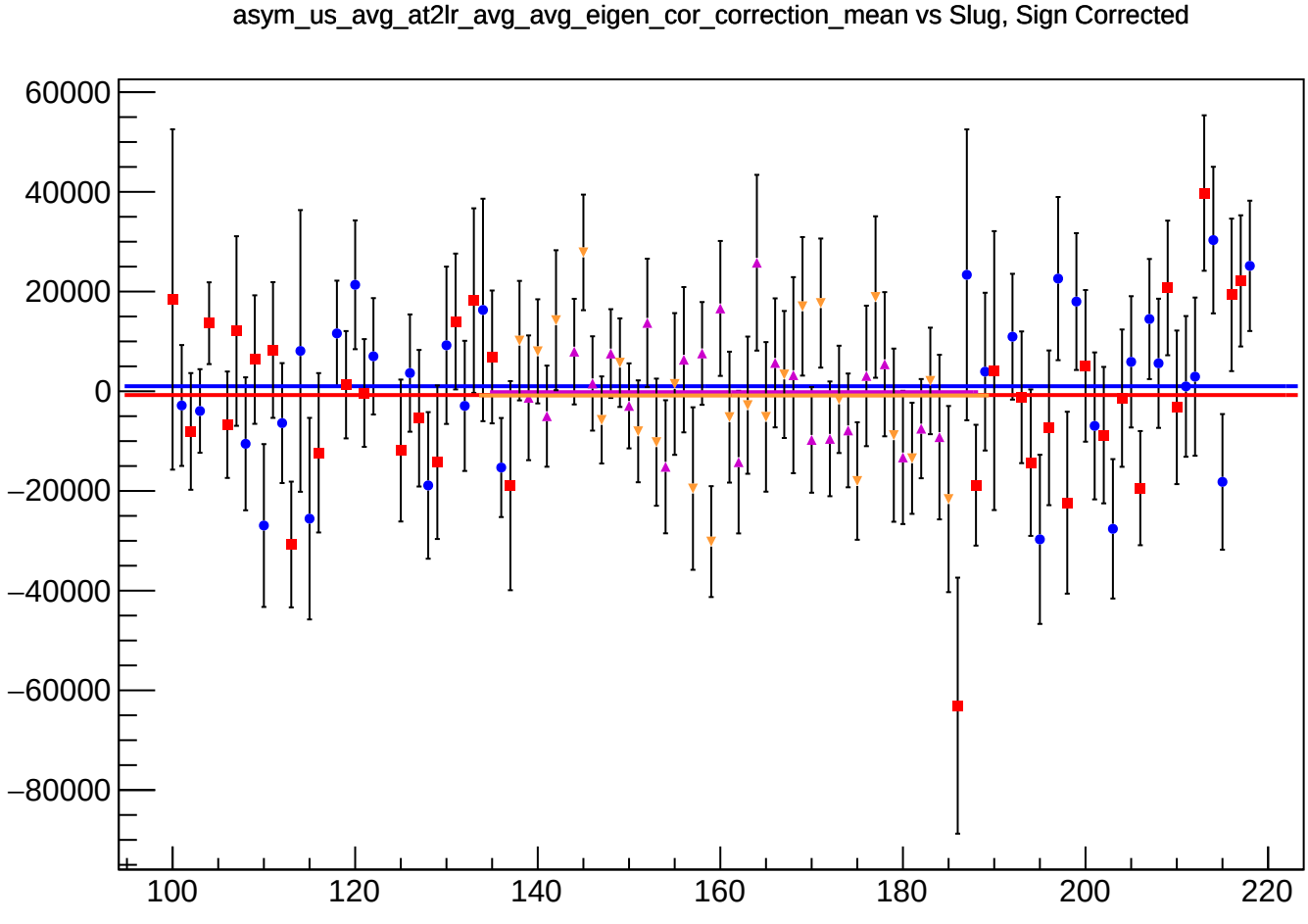
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2206.733+/-0.246 χ^2/NDF: 446611.8/65

In: 2206.669+/-0.252 χ^2/NDF:313847.4/54

Out: 2205.921+/-0.251 χ^2/NDF:302067.0/57

All: 2206.294+/-0.178 χ^2/NDF: 615918.8/112



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: -762.308+/-2372.858 χ^2/NDF: 44.1/33

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

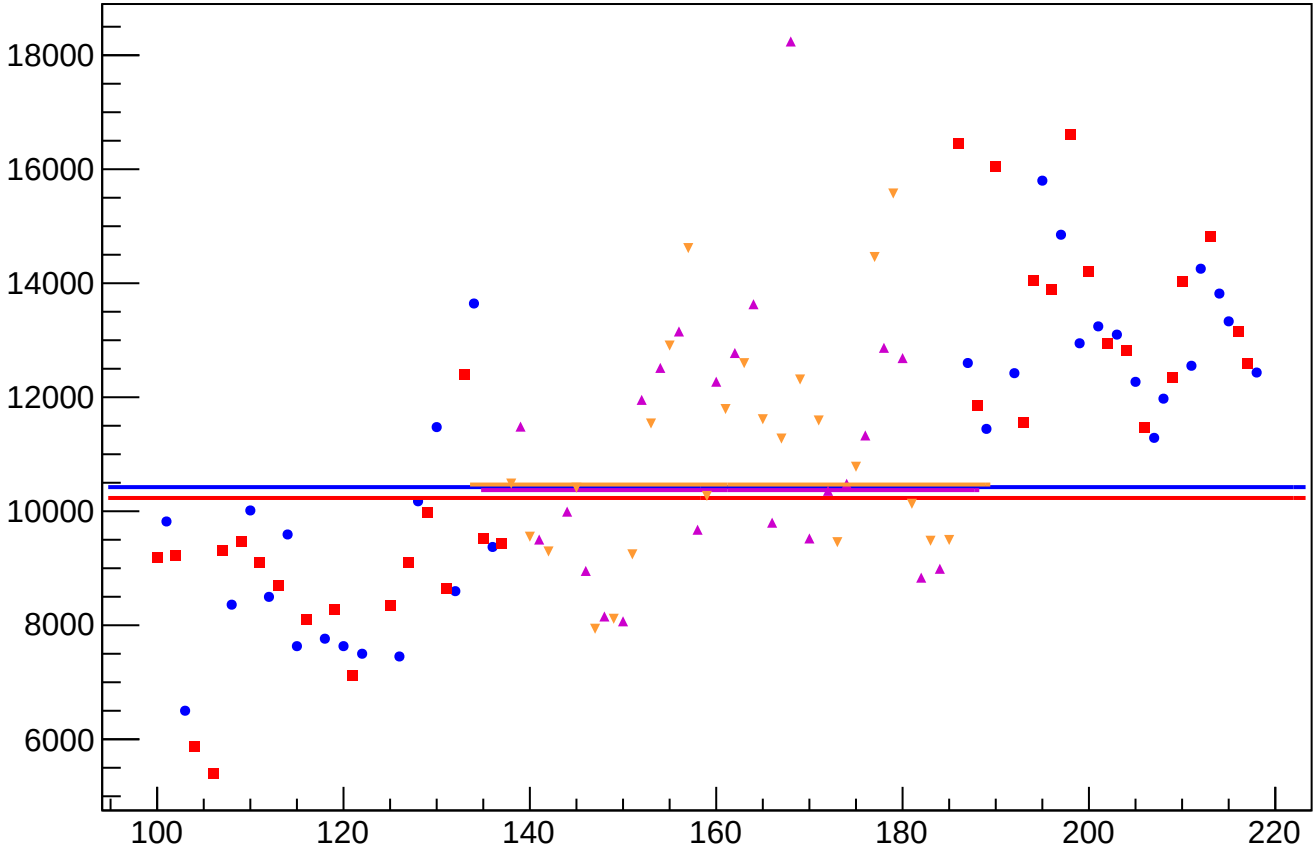
Right: 114.774+/-1685.718 χ^2/NDF: 83.0/65

In: 431.647+/-1719.921 χ^2/NDF:52.5/54

Out: -796.292+/-1714.975 χ^2/NDF:73.6/57

All: -184.091+/-1214.415 χ^2/NDF: 126.3/112

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: 10232.932+/-1.678 χ^2/NDF: 2963166.2/33

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

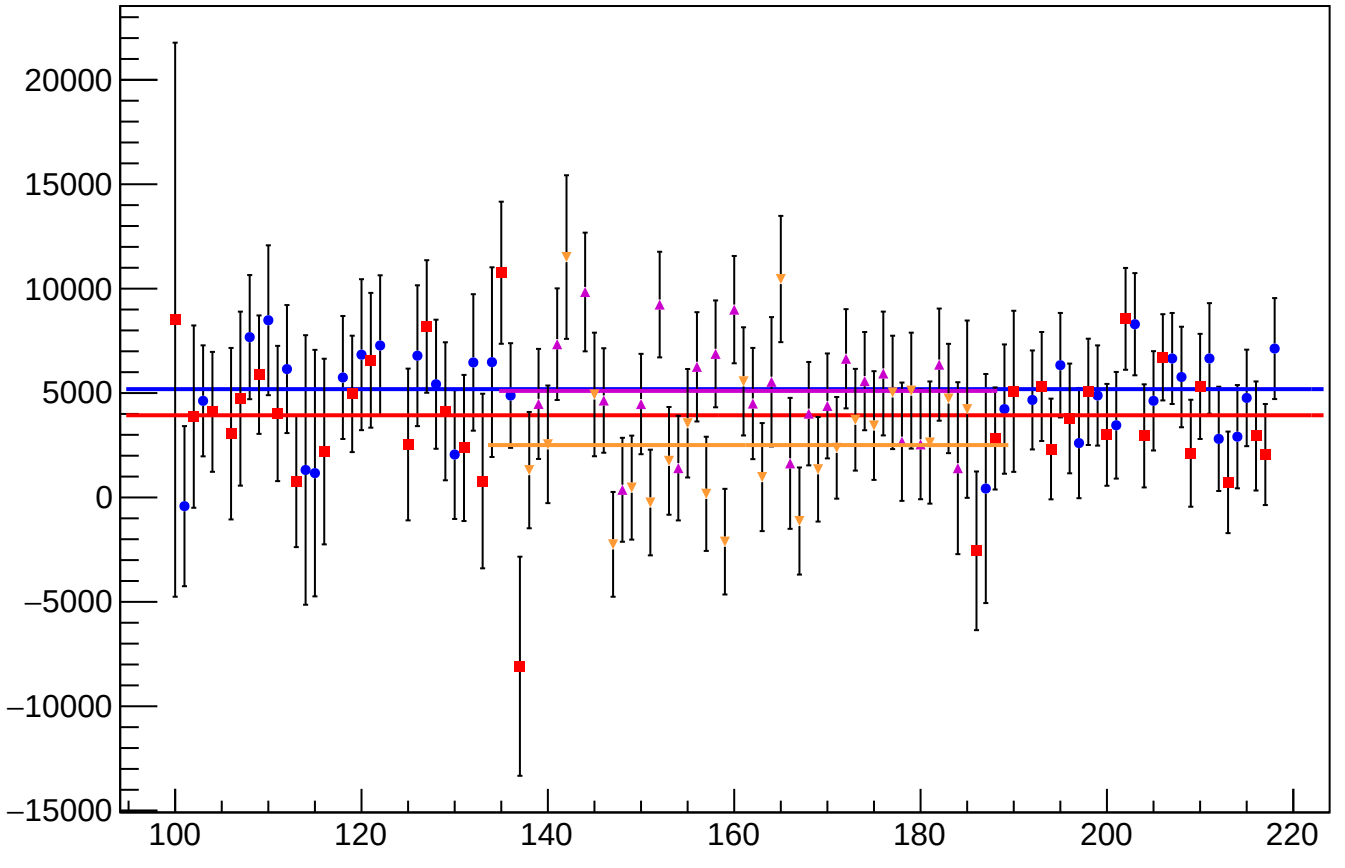
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 10327.272+/-1.192 χ^2/NDF: 5254167.9/65

In: 10397.962+/-1.216 χ^2/NDF:3488848.6/54

Out: 10345.532+/-1.213 χ^2/NDF:4017853.8/57

All: 10371.672+/-0.859 χ^2/NDF: 7507634.3/1



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: 3936.550+/-508.127 χ^2/NDF: 27.8/33

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

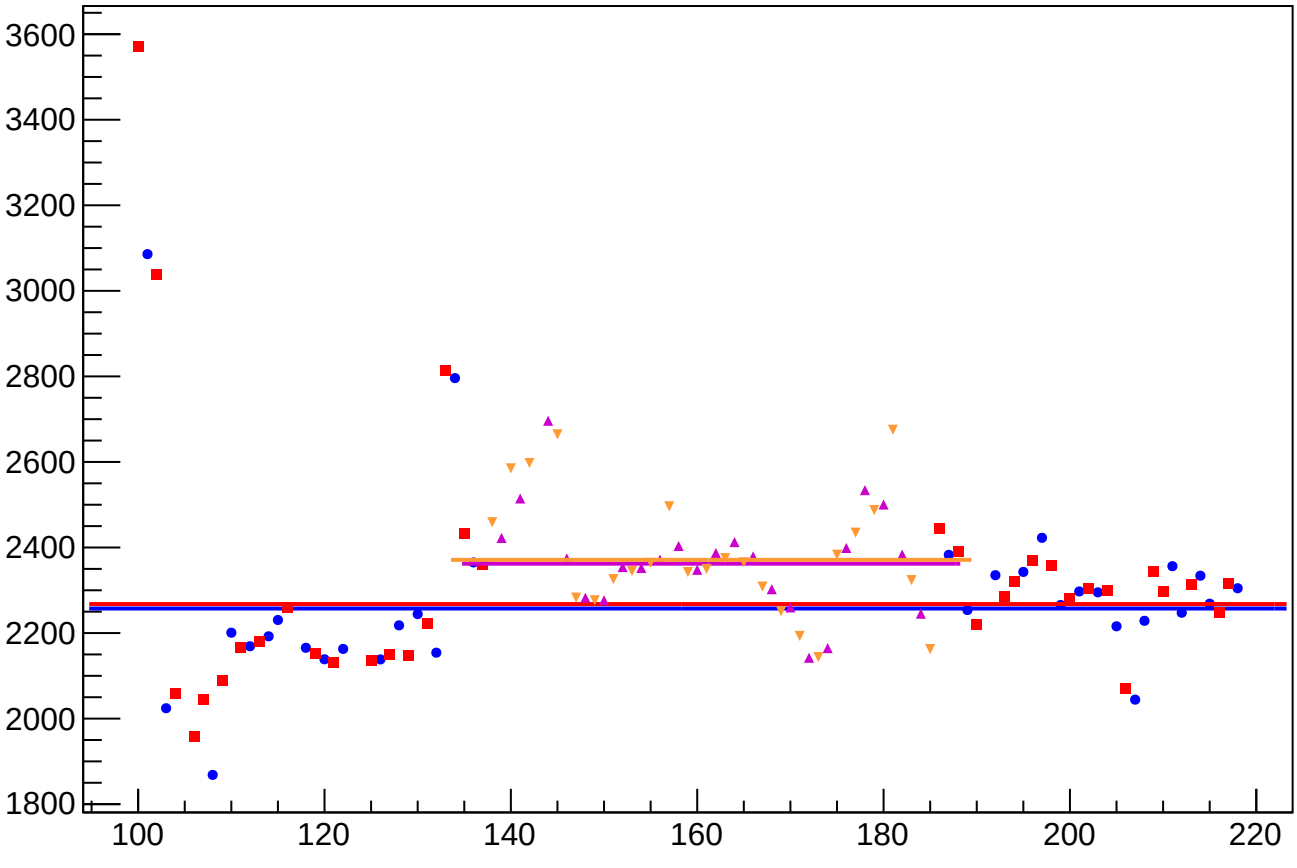
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4567.103+/-357.847 χ^2/NDF: 45.1/65

In: 5149.152+/-372.392 χ^2/NDF:34.2/54

Out: 3281.229+/-373.726 χ^2/NDF:61.2/57

All: 4218.529+/-263.791 χ^2/NDF: 107.9/112



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: 2267.841+/-0.359 χ^2/NDF: 215183.3/33

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

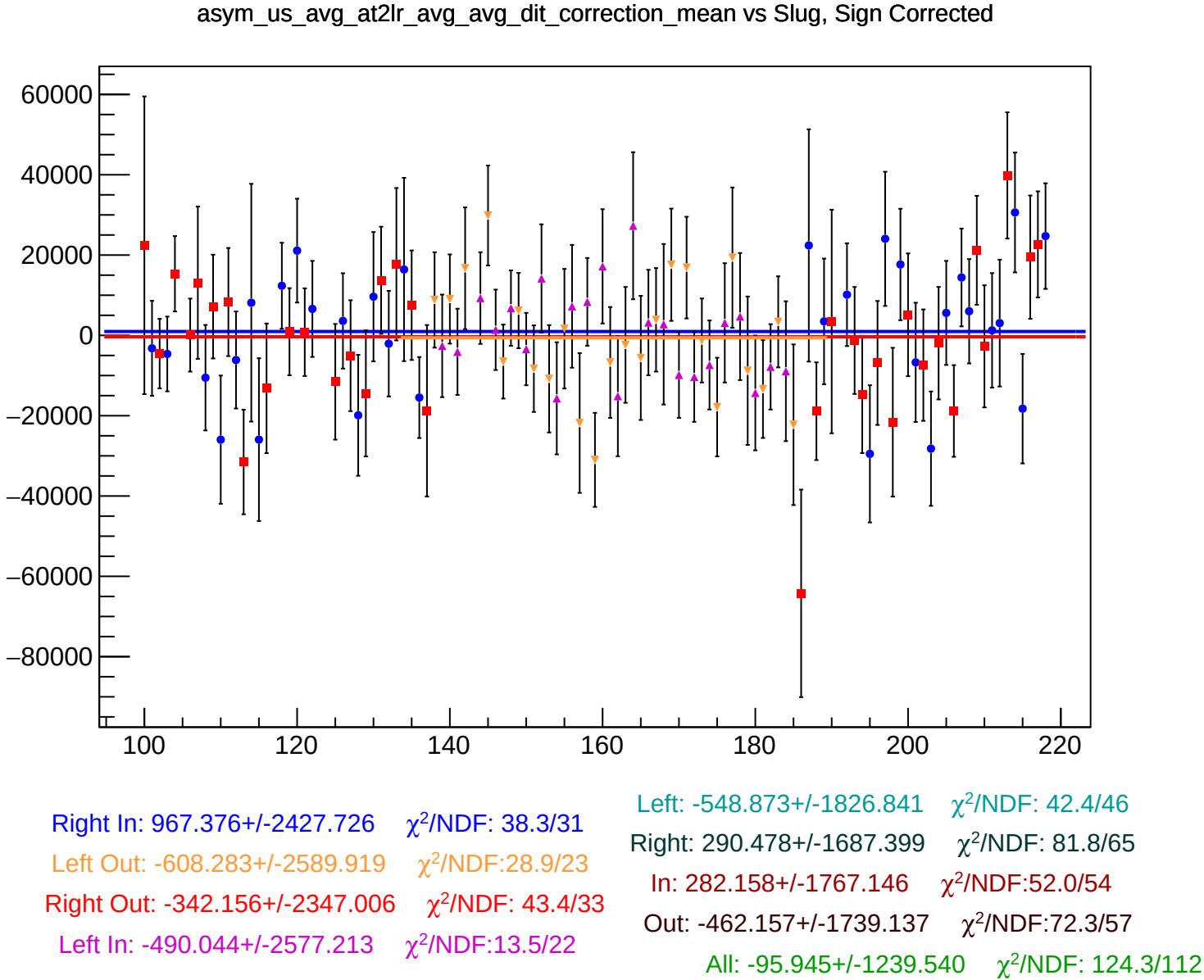
Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

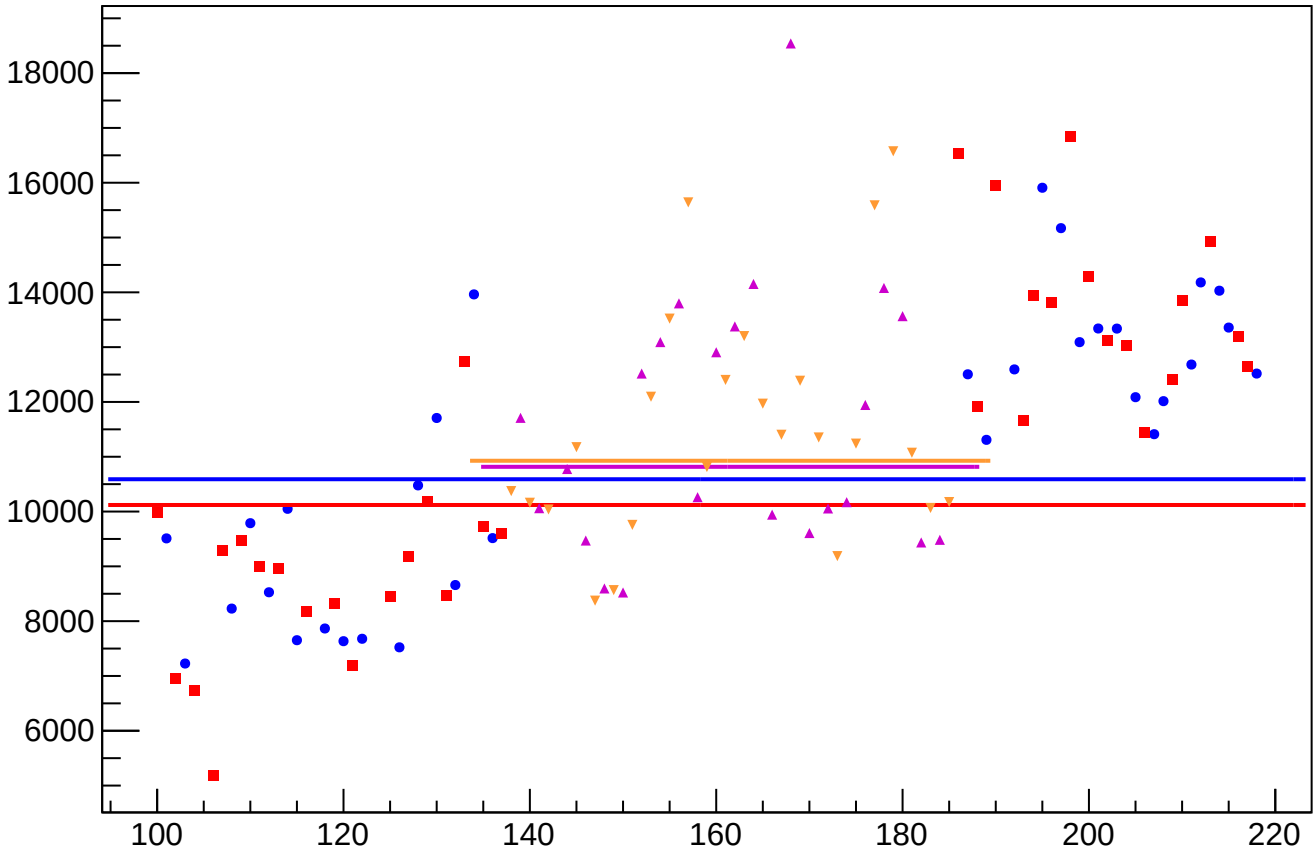
Right: 2262.559+/-0.253 χ^2/NDF: 443310.4/65

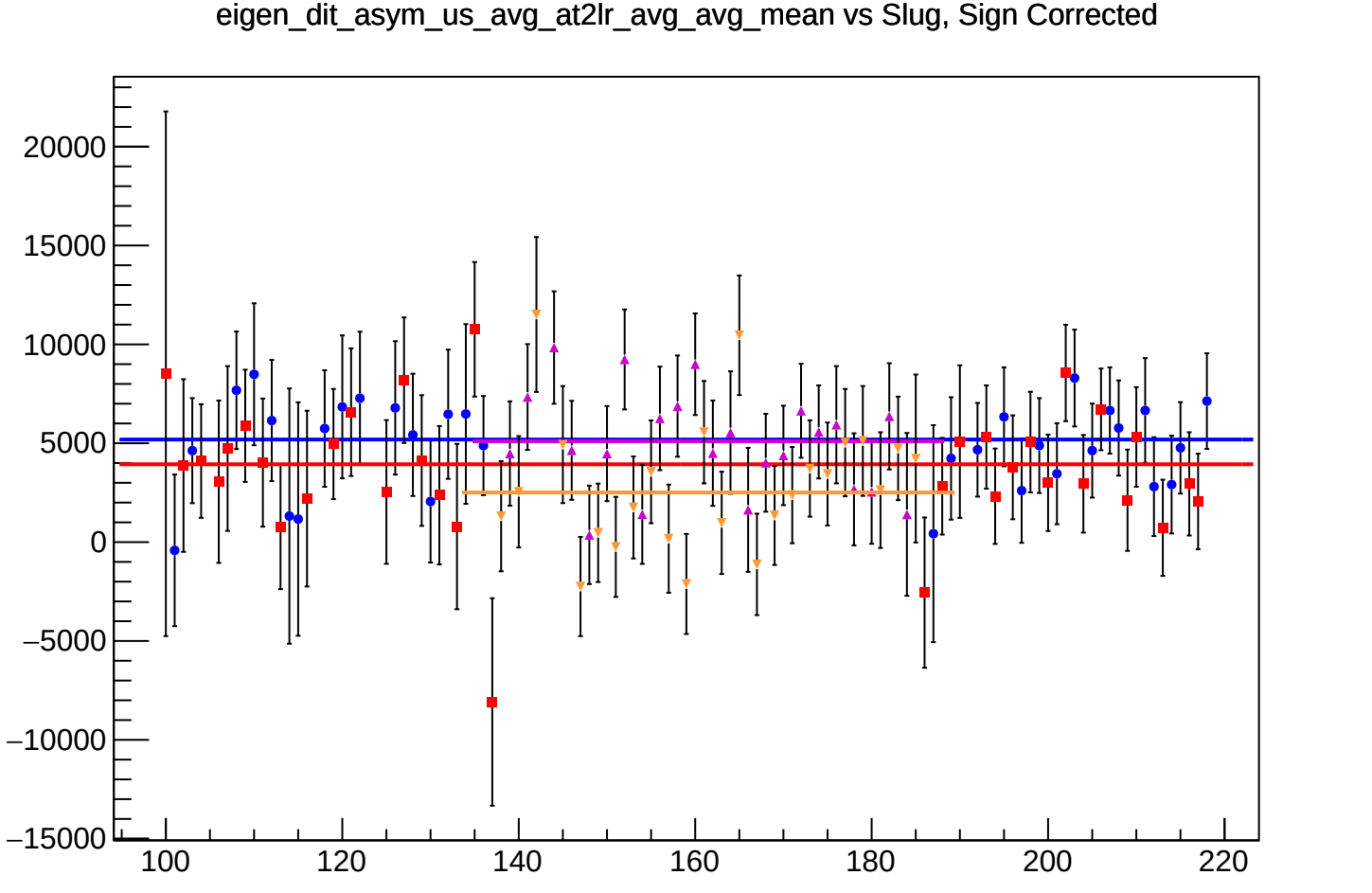
In: 2304.982+/-0.263 χ^2/NDF:358905.1/54

Out: 2315.247+/-0.264 χ^2/NDF:369428.6/57

All: 2310.097+/-0.187 χ^2/NDF: 729090.8/112


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: 967.376+/-2427.726 χ²/NDF: 38.3/31
Left Out: -608.283+/-2589.919 χ²/NDF:28.9/23
Right Out: -342.156+/-2347.006 χ²/NDF: 43.4/33
Left In: -490.044+/-2577.213 χ²/NDF:13.5/22
Left: -548.873+/-1826.841 χ²/NDF: 42.4/46
Right: 290.478+/-1687.399 χ²/NDF: 81.8/65
In: 282.158+/-1767.146 χ²/NDF:52.0/54
Out: -462.157+/-1739.137 χ²/NDF:72.3/57
All: -95.945+/-1239.540 χ²/NDF: 124.3/112


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: 10119.789+/-1.660 χ²/NDF: 3160726.6/33
Left In: 10816.320+/-1.822 χ²/NDF:1196820.9/22
Left: 10871.318+/-1.292 χ²/NDF: 2255982.7/46
Right: 10346.754+/-1.193 χ²/NDF: 5305129.1/65
In: 10696.193+/-1.250 χ²/NDF:3310709.3/54
Out: 10483.710+/-1.230 χ²/NDF:4324697.7/57
All: 10588.254+/-0.876 χ²/NDF: 7650095.9/1



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: 3936.550+/-508.127 χ^2/NDF: 27.8/33

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

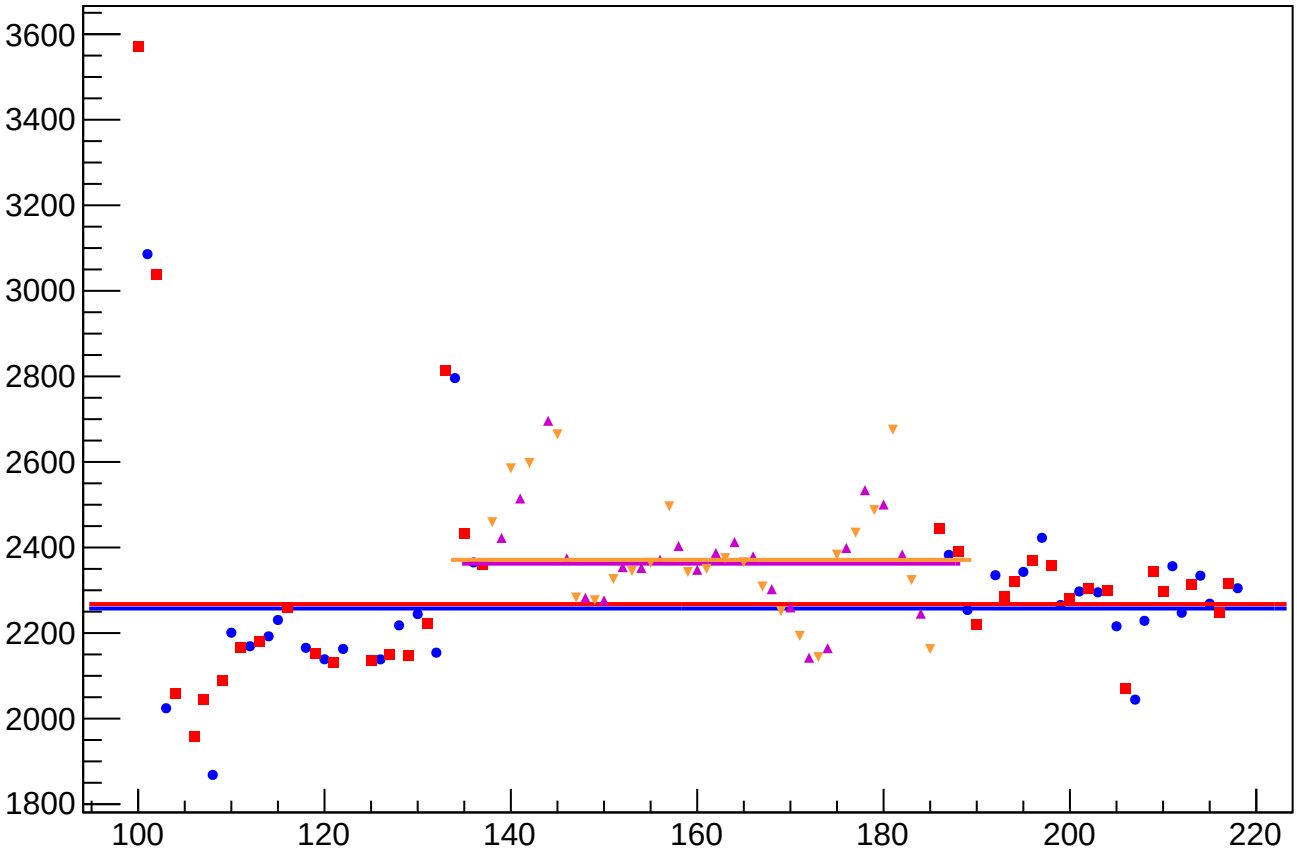
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4567.101+/-357.847 χ^2/NDF: 45.1/65

In: 5149.151+/-372.392 χ^2/NDF:34.2/54

Out: 3281.224+/-373.726 χ^2/NDF:61.2/57

All: 4218.526+/-263.791 χ^2/NDF: 107.9/112



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: 2267.840+/-0.359 χ^2/NDF: 215183.8/33

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

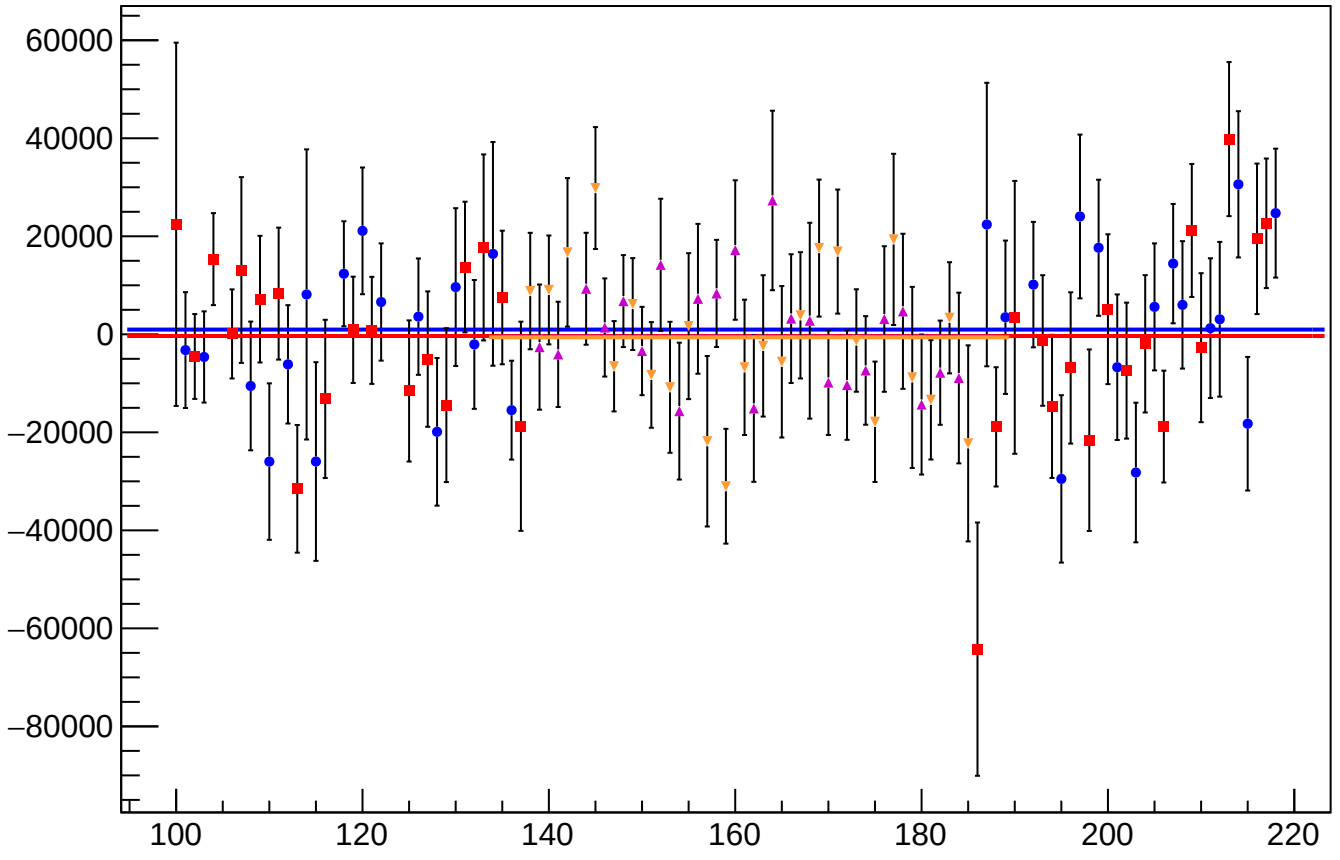
Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

Right: 2262.559+/-0.253 χ^2/NDF: 443311.2/65

In: 2304.983+/-0.263 χ^2/NDF:358912.5/54

Out: 2315.248+/-0.264 χ^2/NDF:369435.9/57

All: 2310.098+/-0.187 χ^2/NDF: 729105.5/112



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: -342.148+/-2347.004 χ^2/NDF: 43.4/33

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

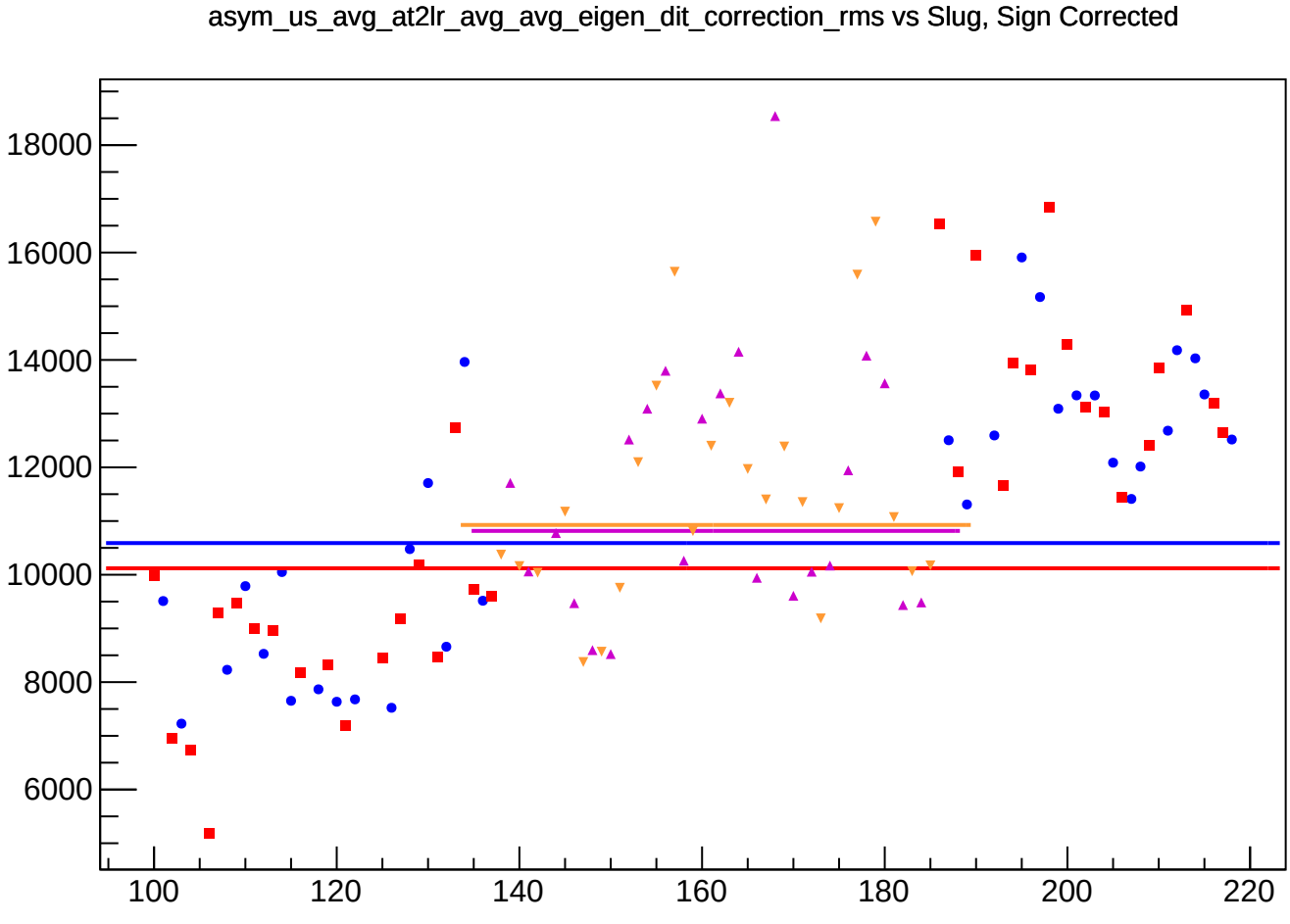
Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

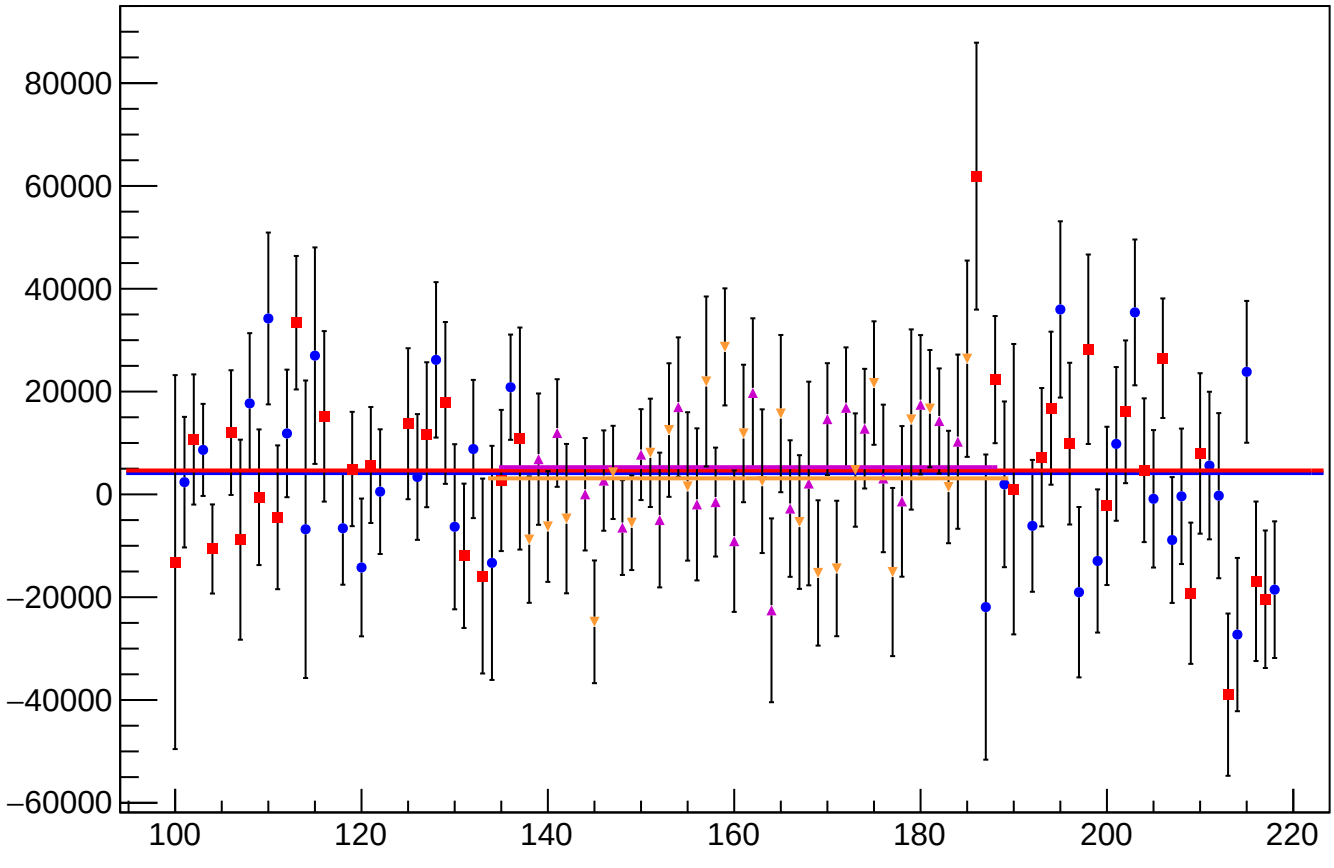
Right: 290.483+/-1687.398 χ^2/NDF: 81.8/65

In: 282.160+/-1767.147 χ^2/NDF:52.0/54

Out: -462.156+/-1739.138 χ^2/NDF:72.3/57

All: -95.944+/-1239.540 χ^2/NDF: 124.3/112


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: 10119.777+/-1.660 χ²/NDF: 3160755.9/33
Left In: 10816.337+/-1.822 χ²/NDF:1196824.5/22
Left: 10871.336+/-1.292 χ²/NDF: 2255988.7/46
Right: 10346.742+/-1.193 χ²/NDF: 5305193.1/65
In: 10696.196+/-1.250 χ²/NDF:3310749.0/54
Out: 10483.710+/-1.230 χ²/NDF:4324737.3/57
All: 10588.256+/-0.876 χ²/NDF: 7650175.4/1



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: 4650.415+/-2450.890 χ^2/NDF: 44.2/33

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

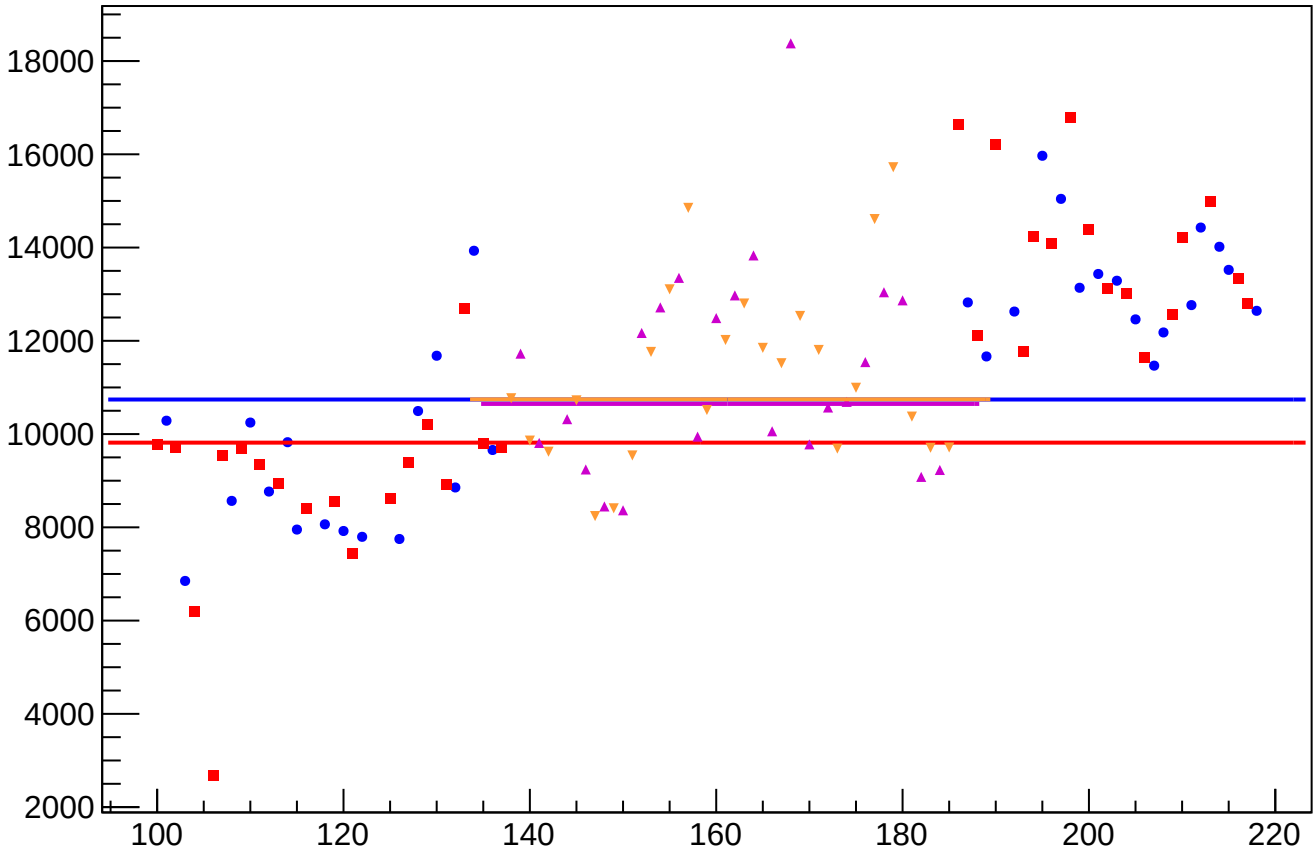
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

Right: 4398.187+/-1736.884 χ^2/NDF: 83.5/65

In: 4700.866+/-1765.387 χ^2/NDF:52.7/54

Out: 3912.978+/-1764.658 χ^2/NDF:71.8/57

All: 4306.759+/-1248.059 χ^2/NDF: 124.6/112



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: 9816.387+/-1.659 χ^2/NDF: 4874048.0/33

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

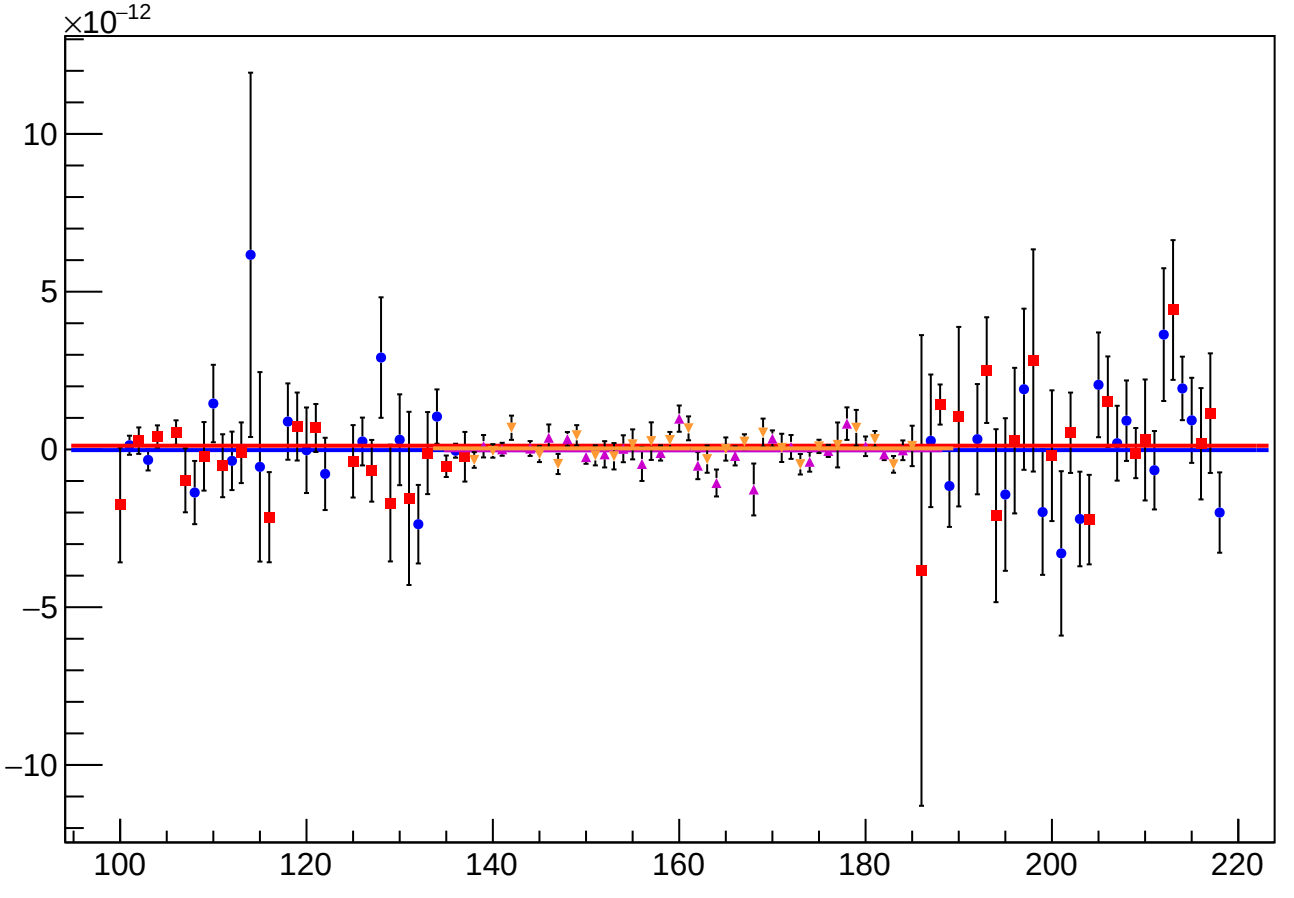
Right: 10256.465+/-1.201 χ^2/NDF: 7091943.4/65

In: 10695.189+/-1.248 χ^2/NDF:3185455.7/54

Out: 10243.443+/-1.219 χ^2/NDF:5982871.9/57

All: 10463.976+/-0.872 χ^2/NDF: 9235356.0/1

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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: 30.1/33

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

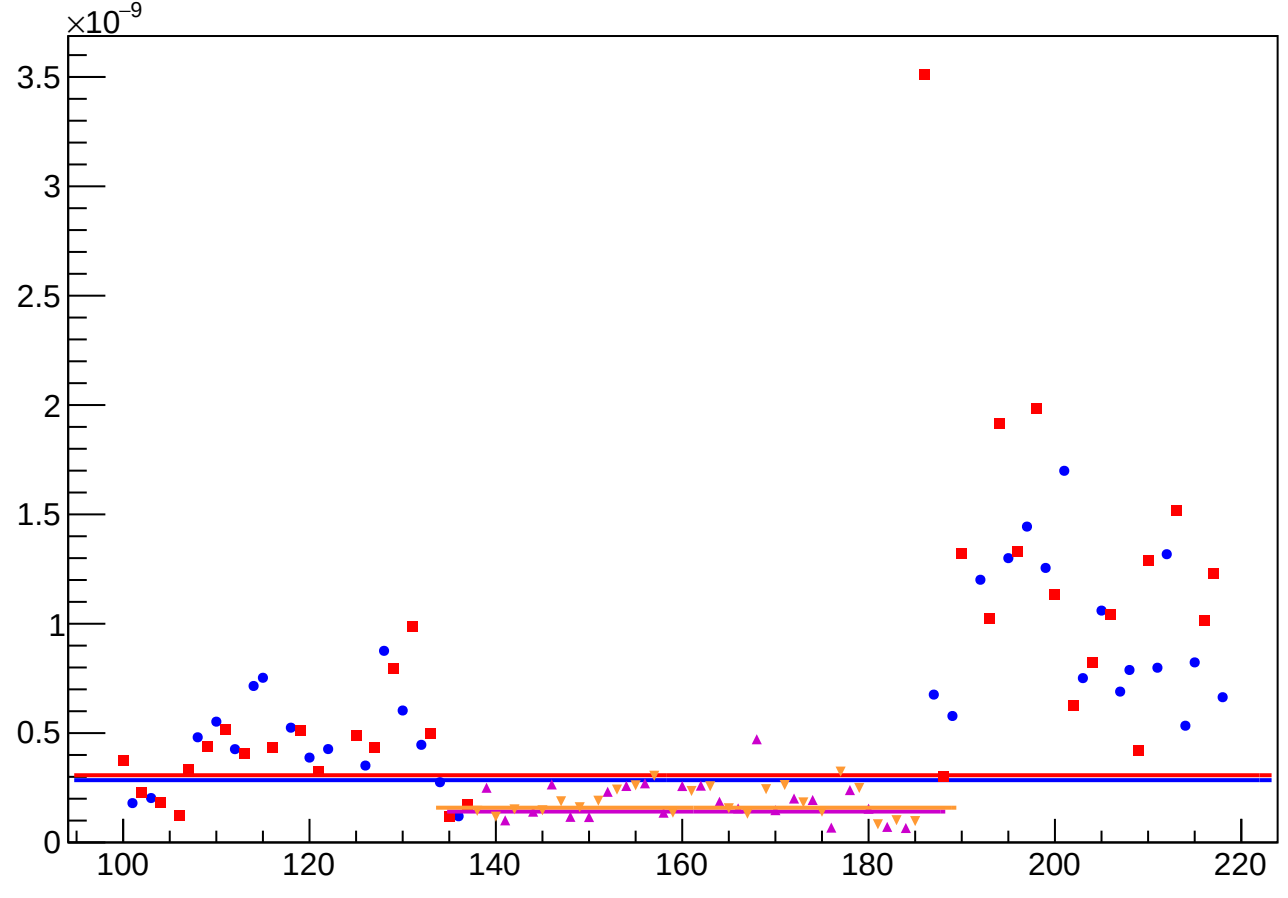
Right: 0.000+/-0.000 χ^2/NDF: 63.4/65

In: -0.000+/-0.000 χ^2/NDF:60.7/54

Out: 0.000+/-0.000 χ^2/NDF:56.6/57

All: 0.000+/-0.000 χ^2/NDF: 118.2/112

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 7766491.8/33

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

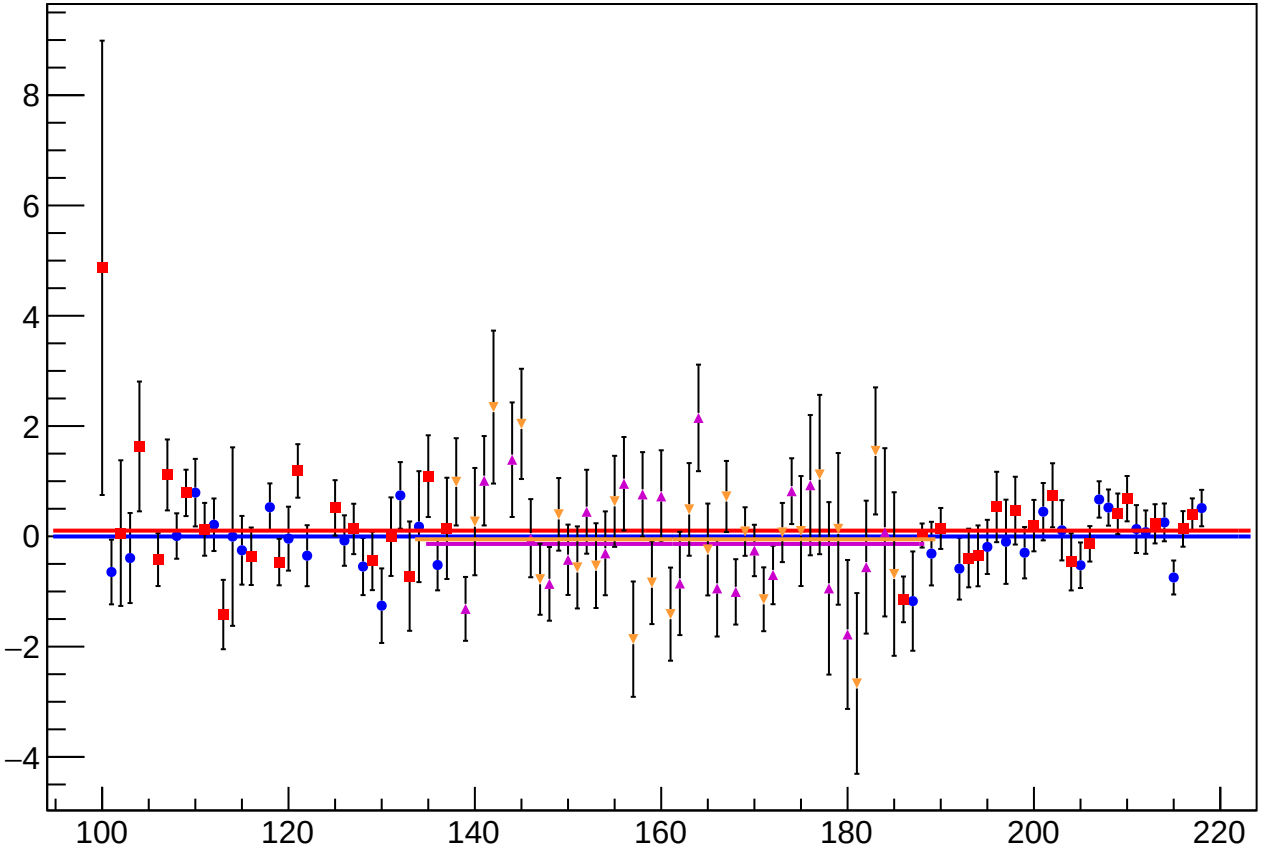
Right: 0.000+/-0.000 χ^2/NDF: 15174600.2/65

In: 0.000+/-0.000 χ^2/NDF:11713168.6/54

Out: 0.000+/-0.000 χ^2/NDF:10838697.9/57

All: 0.000+/-0.000 χ^2/NDF: 22653807.0/112

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: 0.103+/-0.079 χ^2/NDF: 45.4/33

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

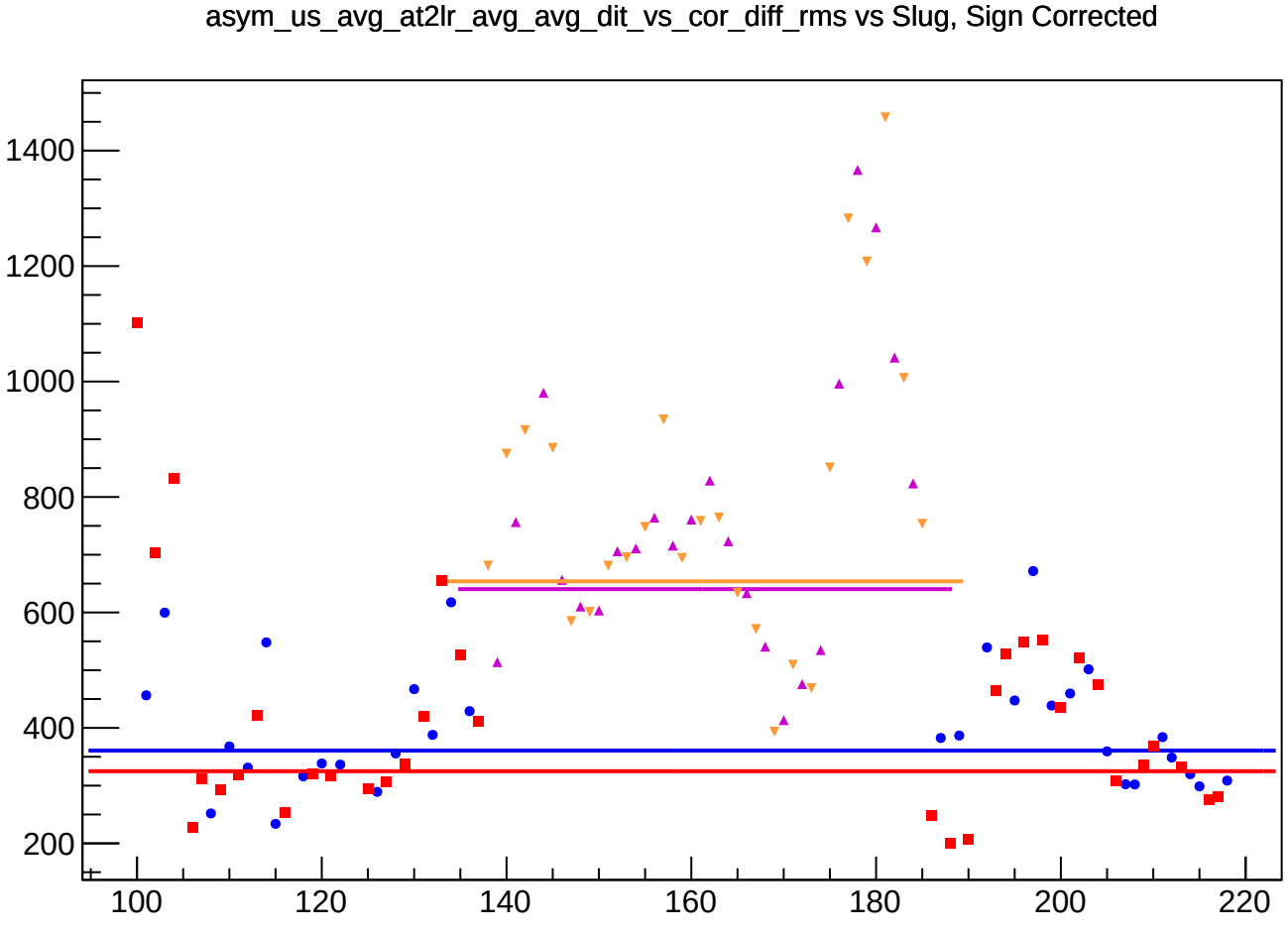
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: 0.054+/-0.058 χ^2/NDF: 80.7/65

In: -0.033+/-0.074 χ^2/NDF:65.0/54

Out: 0.073+/-0.071 χ^2/NDF:76.3/57

All: 0.023+/-0.051 χ^2/NDF: 142.4/112



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: 325.001+/-0.056 χ^2/NDF: 3710809.8/33

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

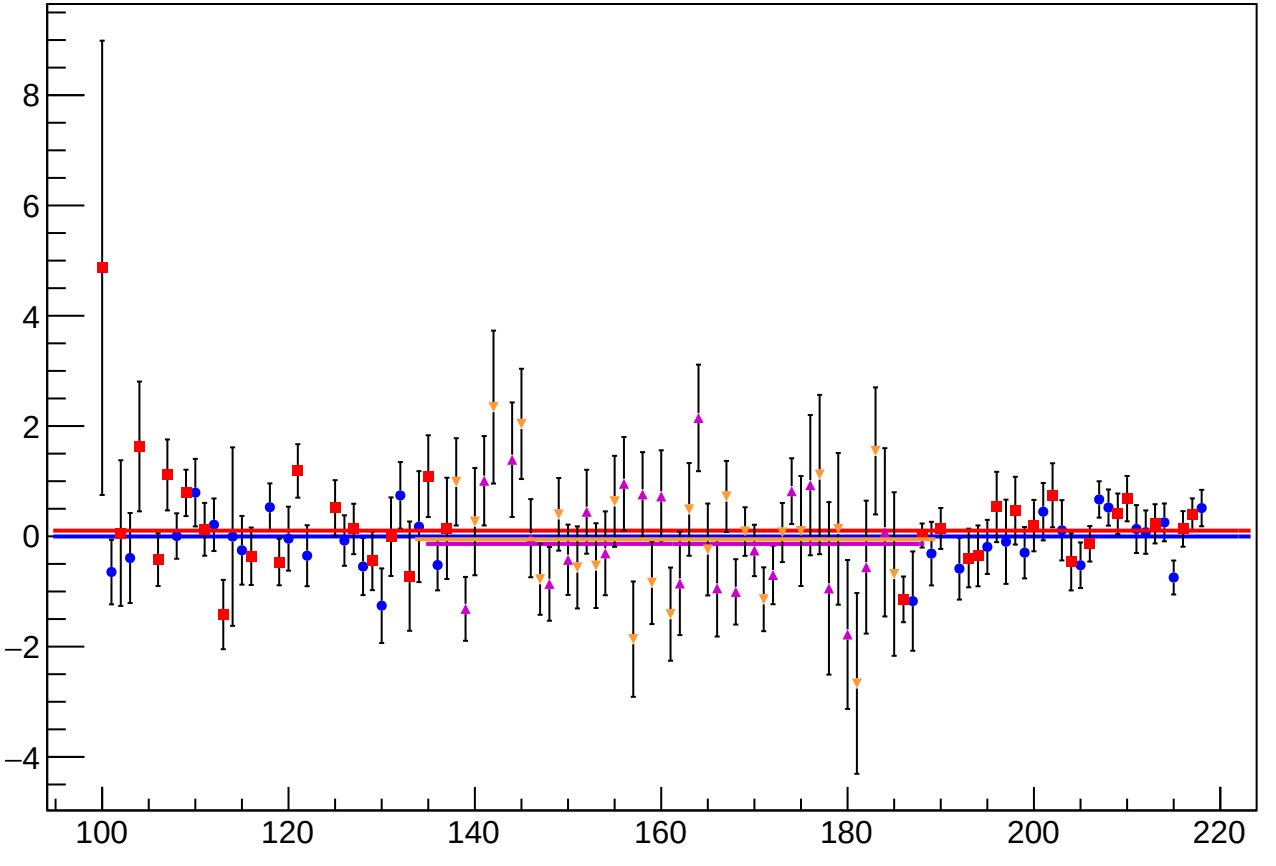
Right: 341.621+/-0.041 χ^2/NDF: 5847124.3/65

In: 422.935+/-0.053 χ^2/NDF:9471737.4/54

Out: 388.140+/-0.050 χ^2/NDF:13553548.4/57

All: 404.639+/-0.036 χ^2/NDF: 23255101.4/11

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: 0.103+/-0.079 χ^2/NDF: 45.4/33

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

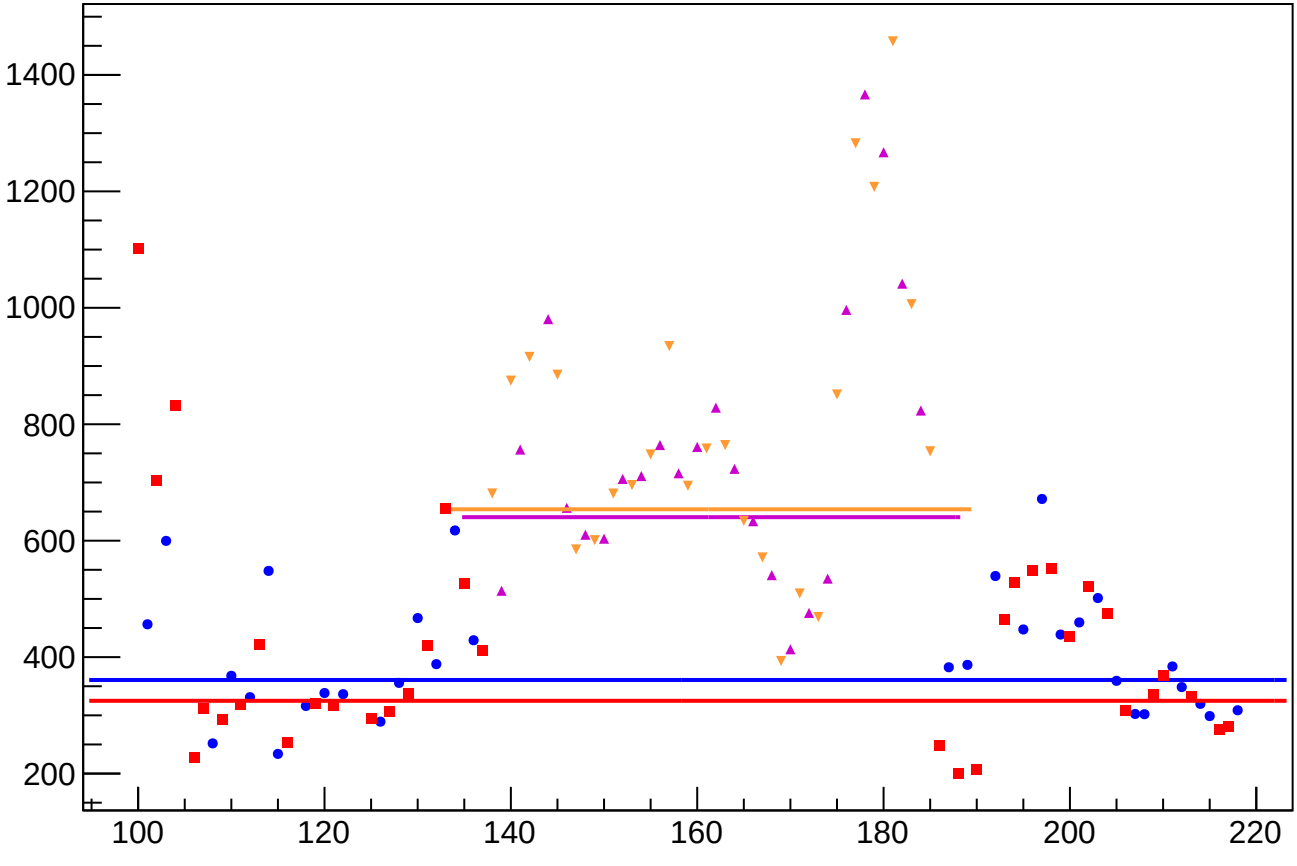
Right: 0.054+/-0.058 χ^2/NDF: 80.7/65

In: -0.033+/-0.074 χ^2/NDF:65.0/54

Out: 0.073+/-0.071 χ^2/NDF:76.3/57

All: 0.023+/-0.051 χ^2/NDF: 142.4/112

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: 325.001+/-0.056 χ^2/NDF: 3710809.8/33

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

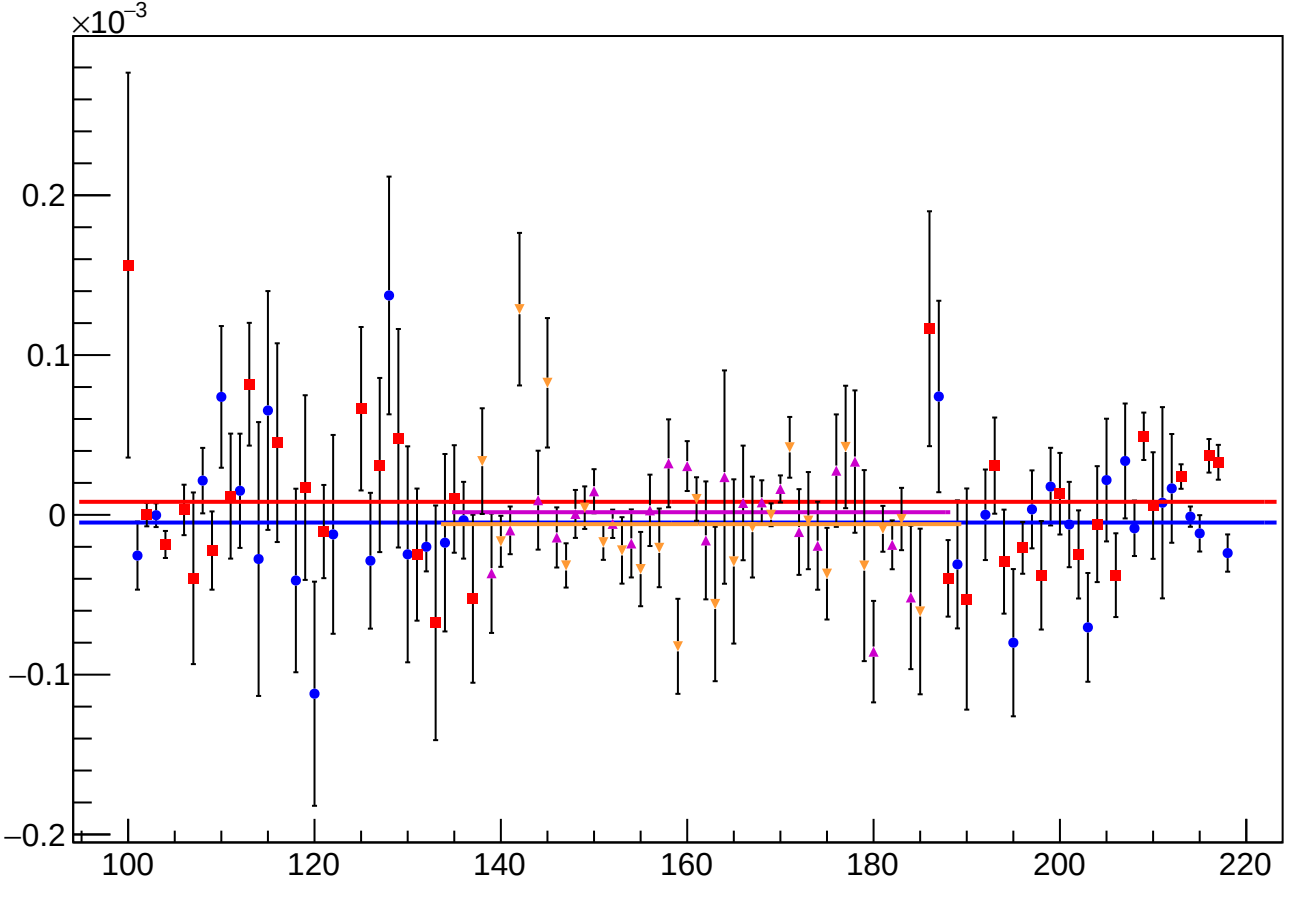
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 341.621+/-0.041 χ^2/NDF: 5847124.3/65

In: 422.935+/-0.053 χ^2/NDF:9471737.4/54

Out: 388.140+/-0.050 χ^2/NDF:13553548.4/57

All: 404.639+/-0.036 χ^2/NDF: 23255101.4/11



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: 67.5/33

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

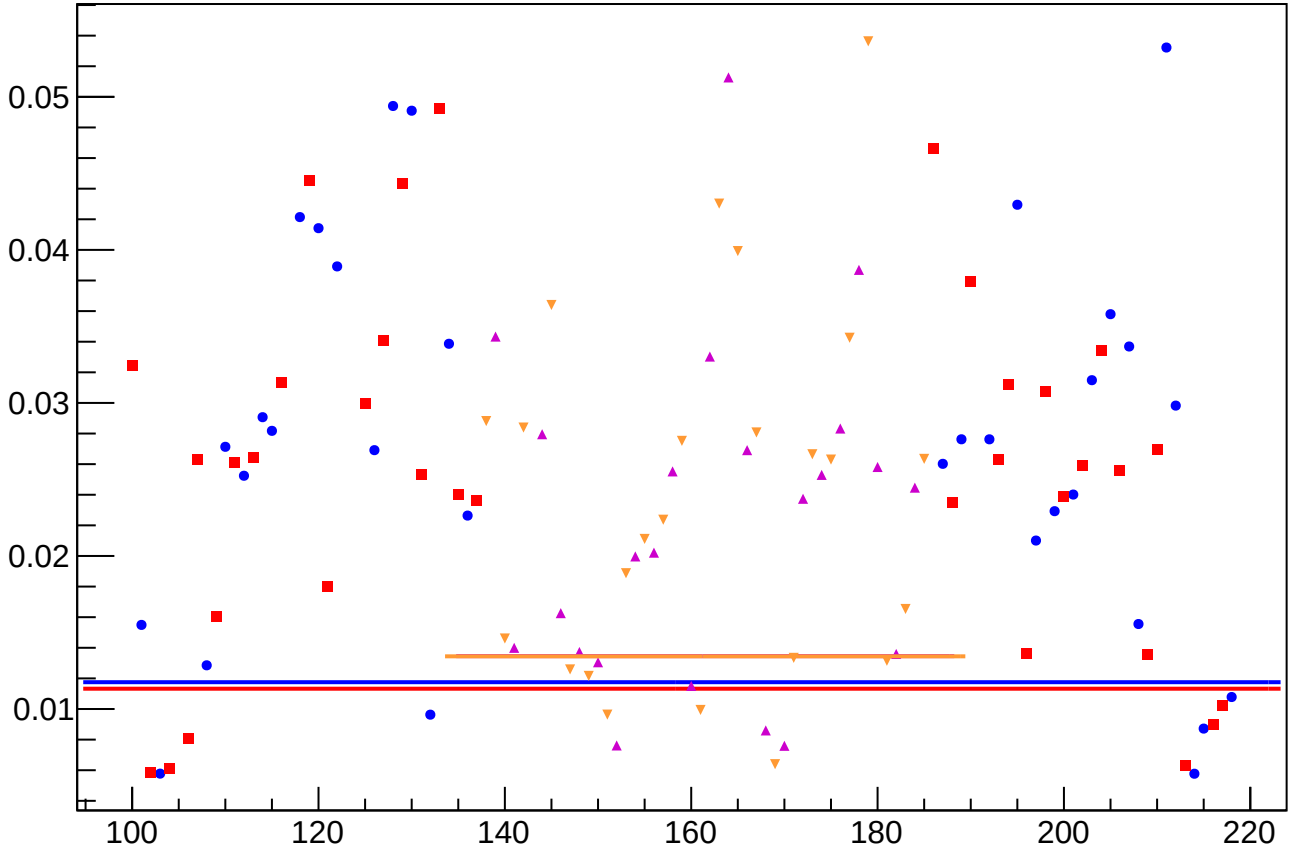
Right: 0.000+/-0.000 χ^2/NDF: 105.5/65

In: -0.000+/-0.000 χ^2/NDF:57.5/54

Out: 0.000+/-0.000 χ^2/NDF:118.3/57

All: 0.000+/-0.000 χ^2/NDF: 177.1/112

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: 13106362.7/33

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

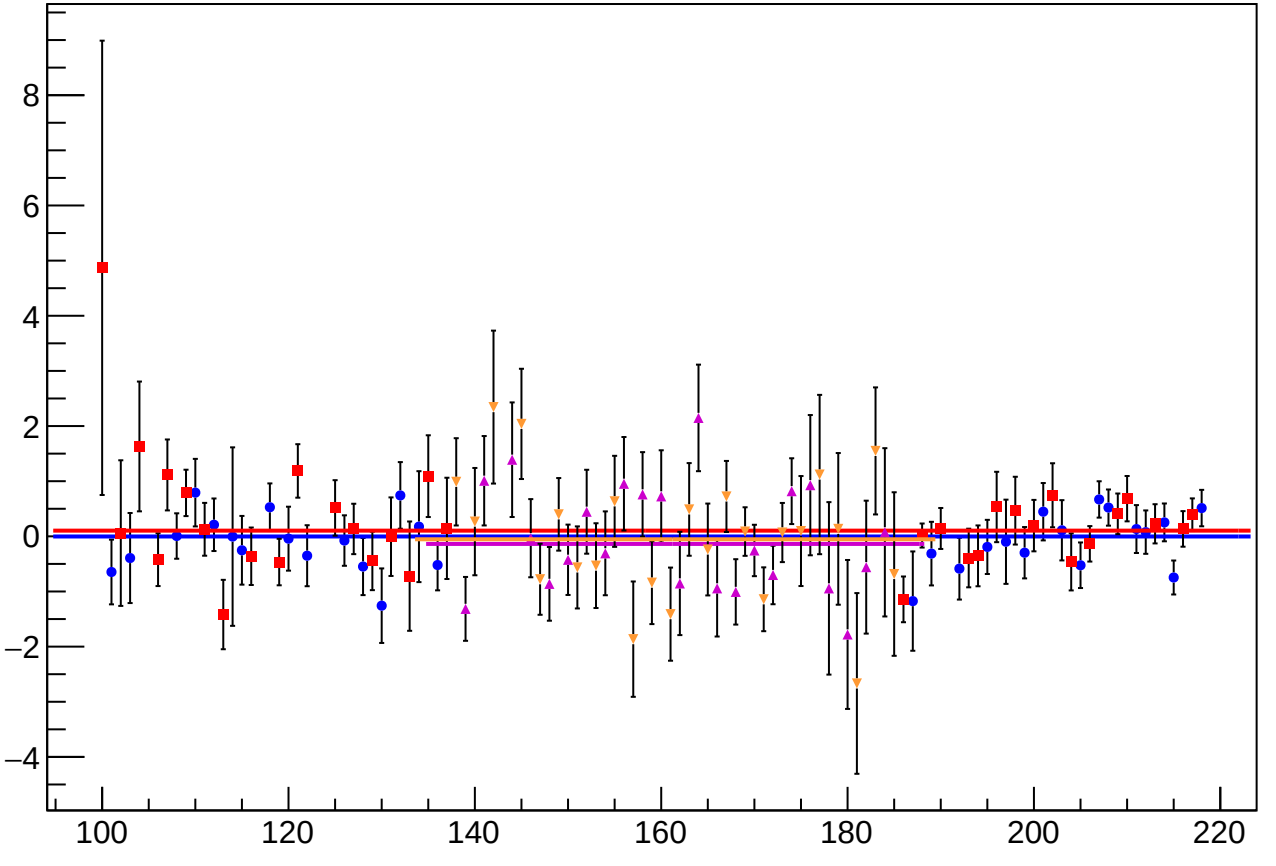
Right: 0.012+/-0.000 χ^2/NDF: 27492252.1/65

In: 0.013+/-0.000 χ^2/NDF:22145377.2/54

Out: 0.012+/-0.000 χ^2/NDF:22337110.5/57

All: 0.012+/-0.000 χ^2/NDF: 44497490.7/112

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: 0.103+/-0.079 χ^2/NDF: 45.4/33

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

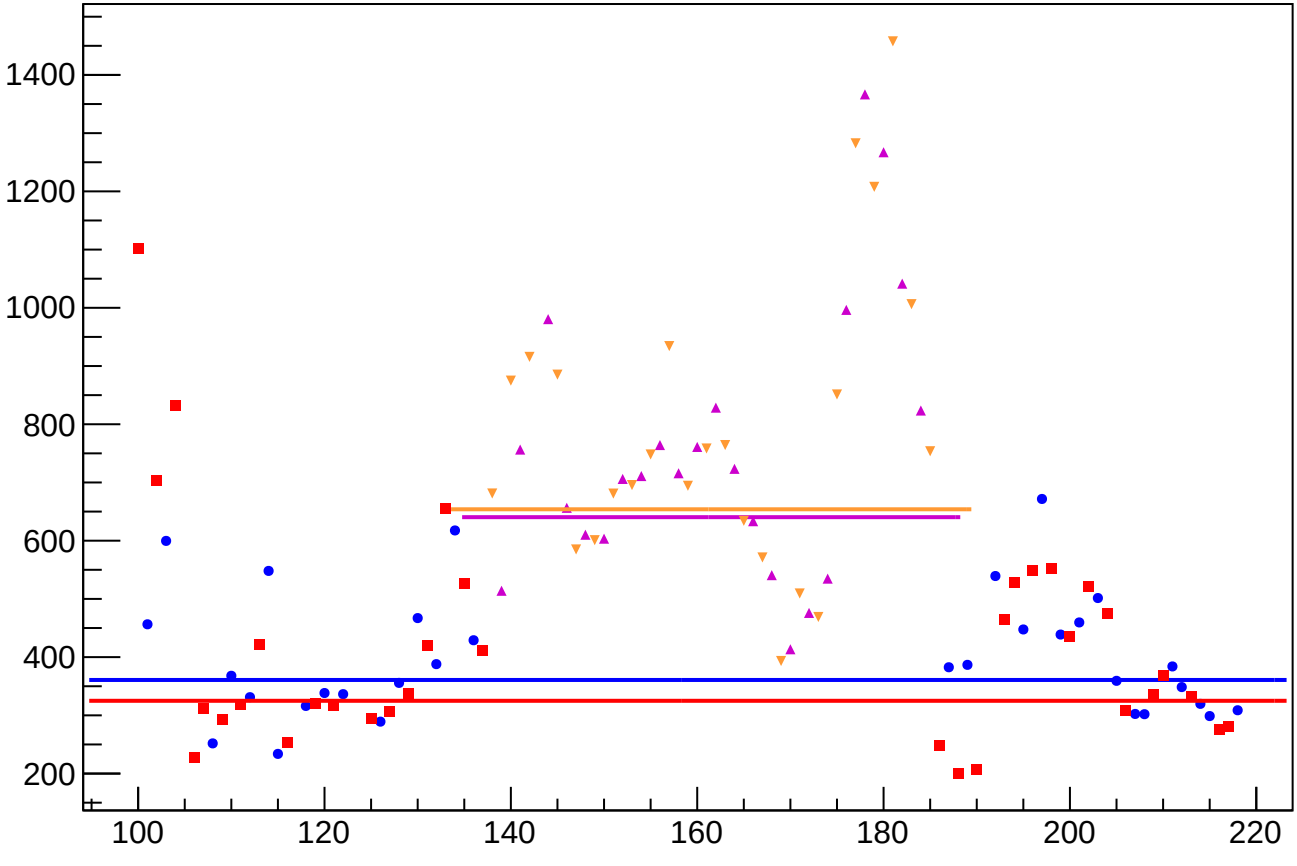
Right: 0.054+/-0.058 χ^2/NDF: 80.7/65

In: -0.033+/-0.074 χ^2/NDF:65.0/54

Out: 0.073+/-0.071 χ^2/NDF:76.3/57

All: 0.023+/-0.051 χ^2/NDF: 142.4/112

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_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: 324.997+/-0.056 χ^2/NDF: 3710998.2/33

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

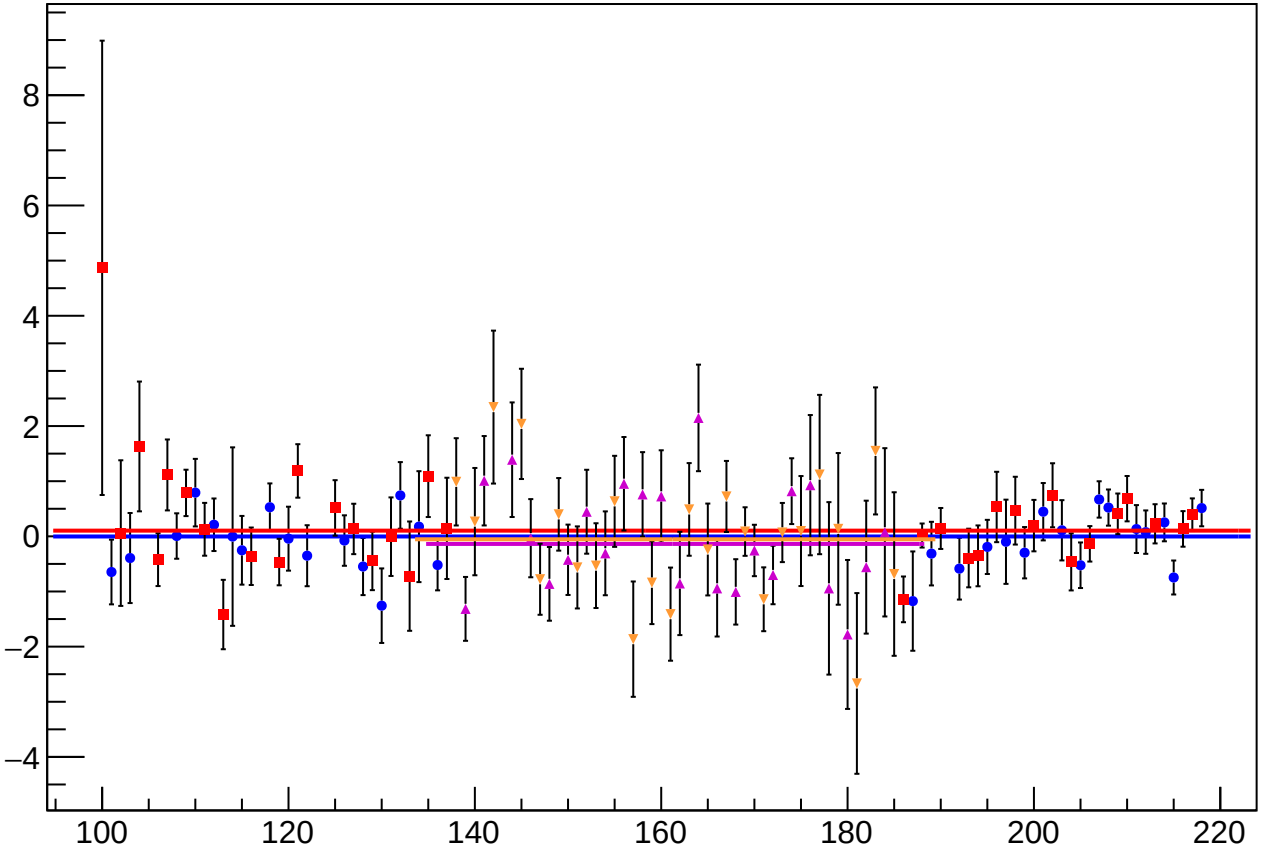
Right: 341.618+/-0.041 χ^2/NDF: 5847349.4/65

In: 422.936+/-0.053 χ^2/NDF:9471918.8/54

Out: 388.136+/-0.050 χ^2/NDF:13554134.0/57

All: 404.636+/-0.036 χ^2/NDF: 23255934.3/1

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: 0.103+/-0.079 χ^2/NDF: 45.4/33

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

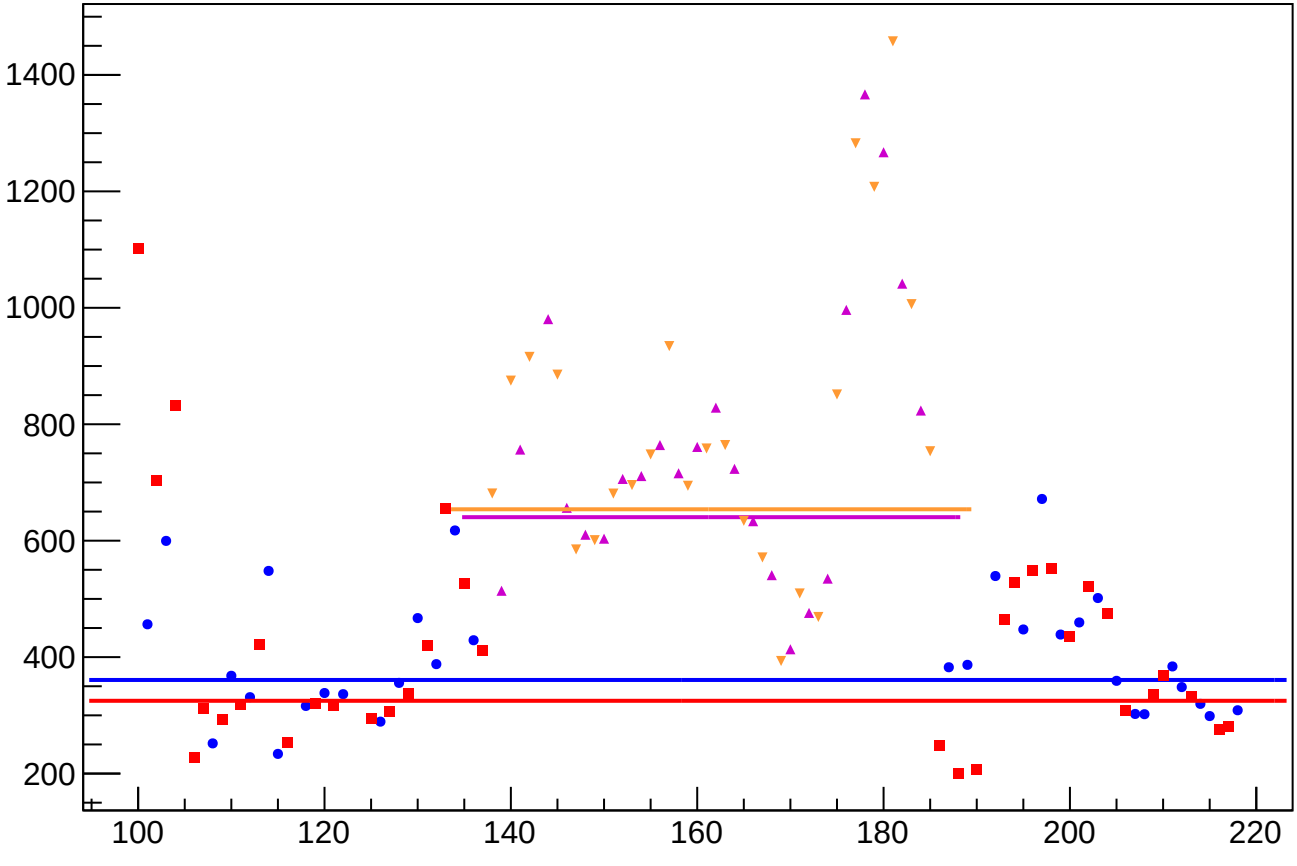
Right: 0.054+/-0.058 χ^2/NDF: 80.7/65

In: -0.033+/-0.074 χ^2/NDF:65.0/54

Out: 0.073+/-0.071 χ^2/NDF:76.3/57

All: 0.023+/-0.051 χ^2/NDF: 142.4/112

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: 324.997+/-0.056 χ^2/NDF: 3710998.2/33

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

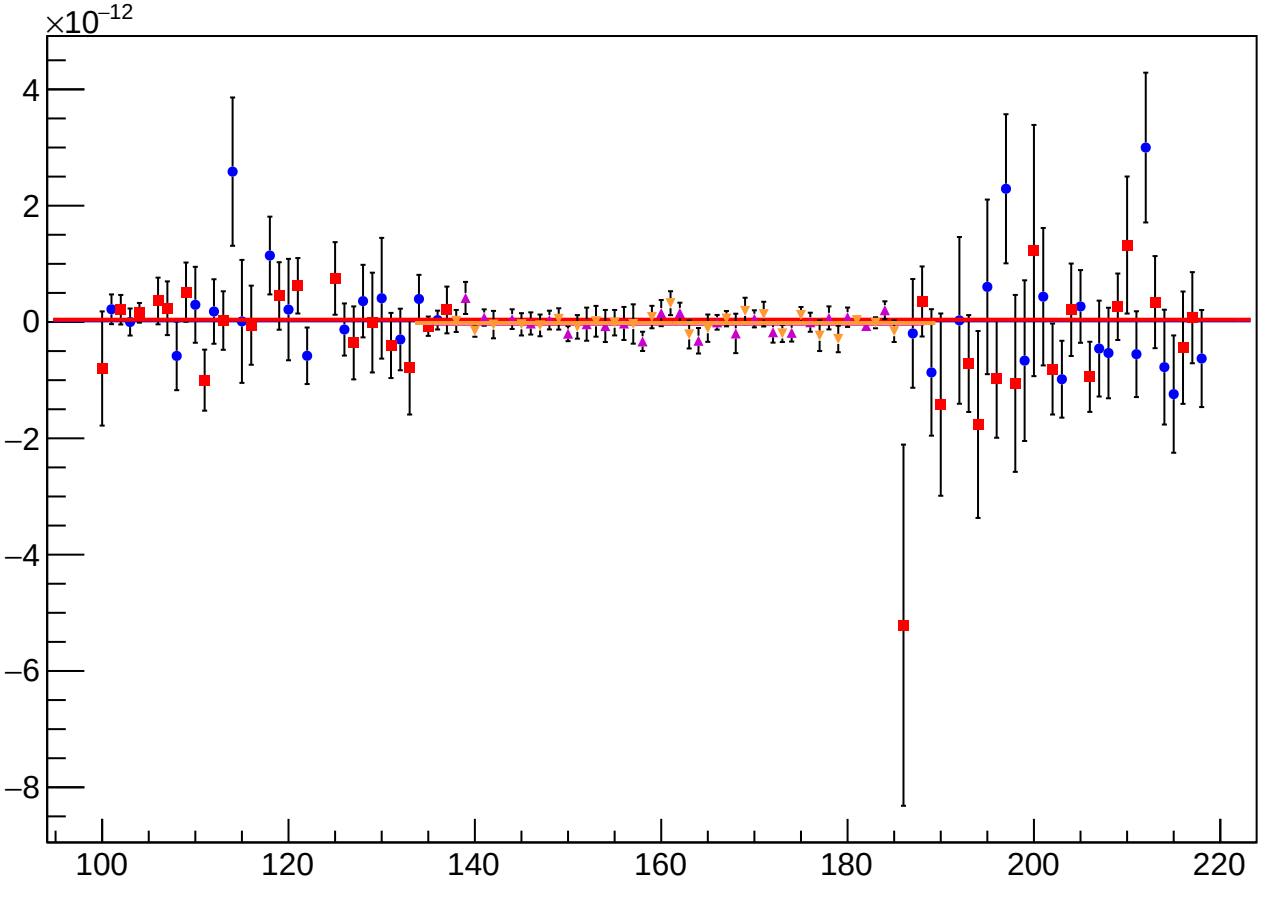
Right: 341.618+/-0.041 χ^2/NDF: 5847349.4/65

In: 422.936+/-0.053 χ^2/NDF:9471918.8/54

Out: 388.136+/-0.050 χ^2/NDF:13554134.0/57

All: 404.636+/-0.036 χ^2/NDF: 23255934.3/1

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 28.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/33

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 31.0/46

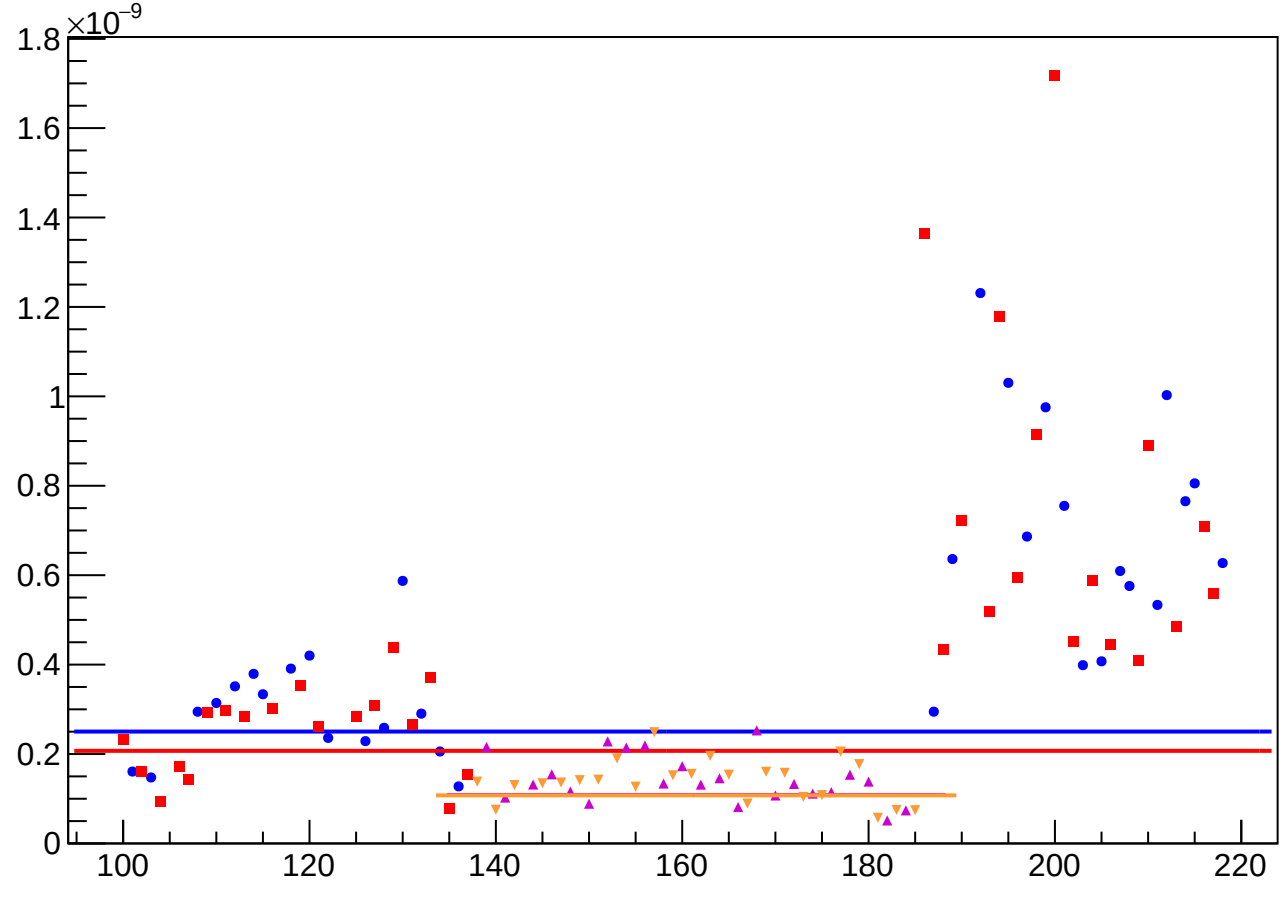
Right: 0.000+/-0.000 χ^2/NDF: 55.3/65

In: -0.000+/-0.000 χ^2/NDF:46.8/54

Out: -0.000+/-0.000 χ^2/NDF:40.3/57

All: -0.000+/-0.000 χ^2/NDF: 87.2/112

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: 9499508.7/33

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

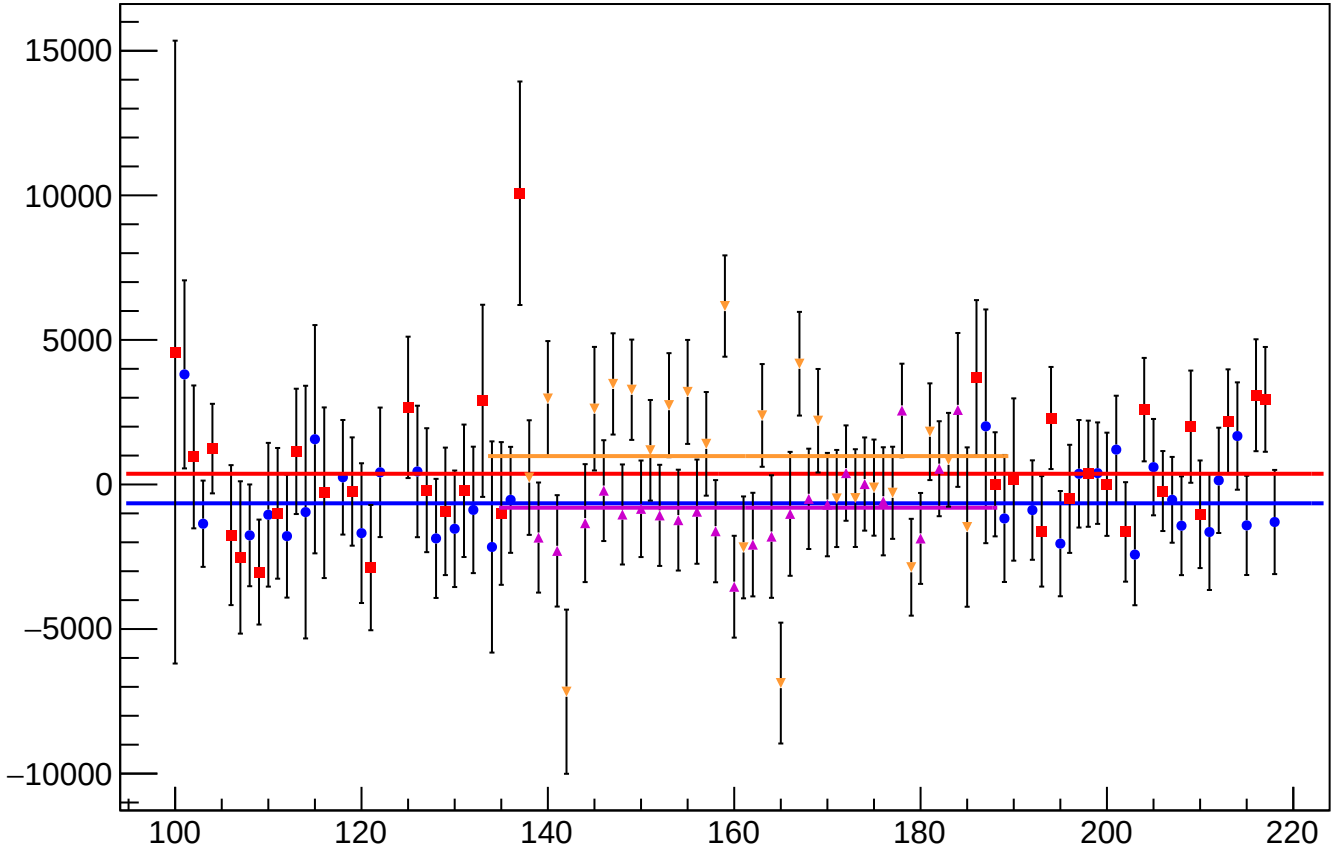
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 18464391.3/65

In: 0.000+/-0.000 χ^2/NDF:17033939.8/54

Out: 0.000+/-0.000 χ^2/NDF:15615914.1/57

All: 0.000+/-0.000 χ^2/NDF: 32662643.4/112



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: 370.498+/-353.457 χ^2/NDF: 30.9/33

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

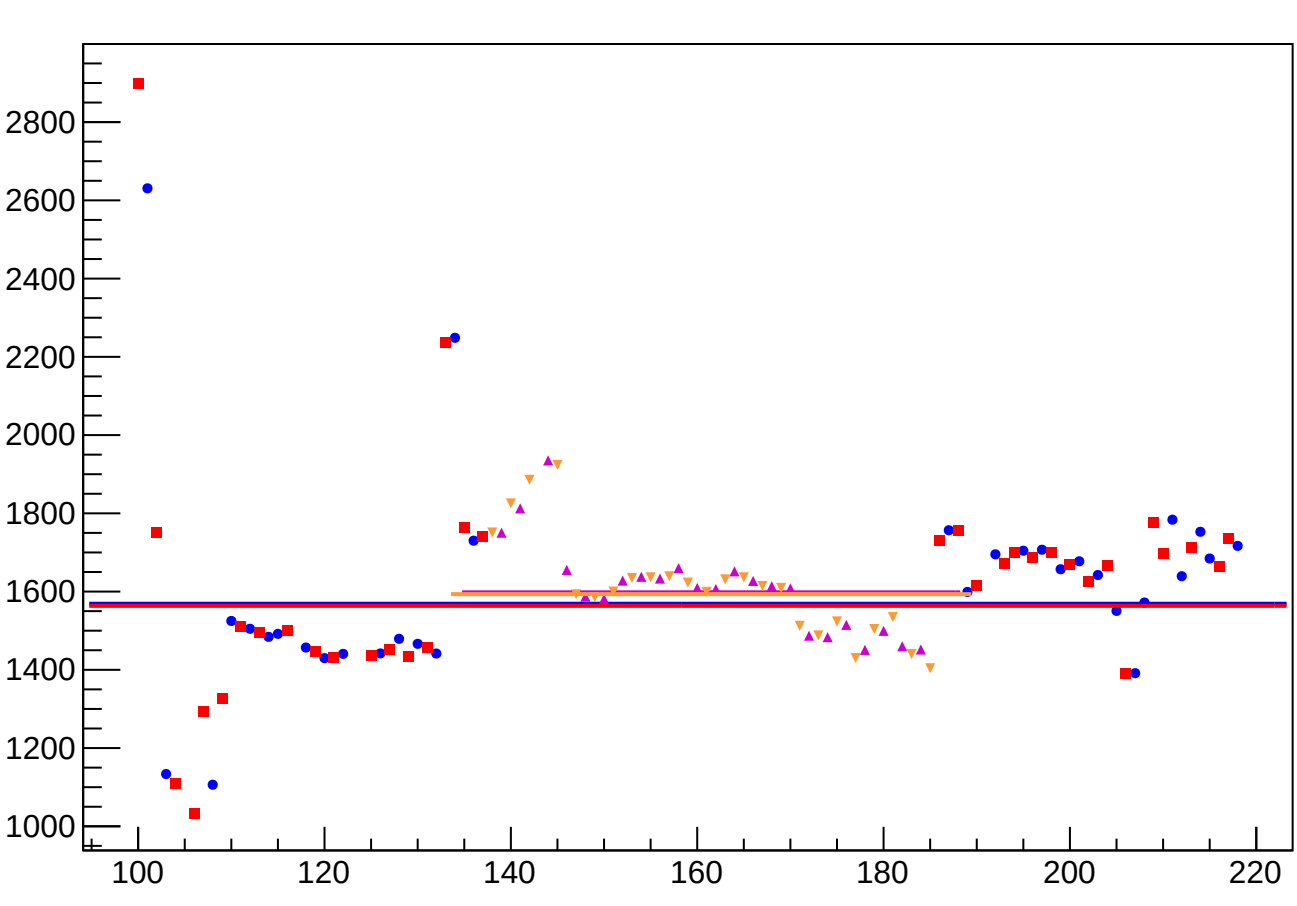
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -141.181+/-249.742 χ^2/NDF: 46.7/65

In: -723.173+/-256.702 χ^2/NDF:24.1/54

Out: 661.401+/-255.857 χ^2/NDF:87.9/57

All: -28.604+/-181.217 χ^2/NDF: 126.6/112



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: 1563.516+/-0.249 χ^2/NDF: 722762.2/33

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

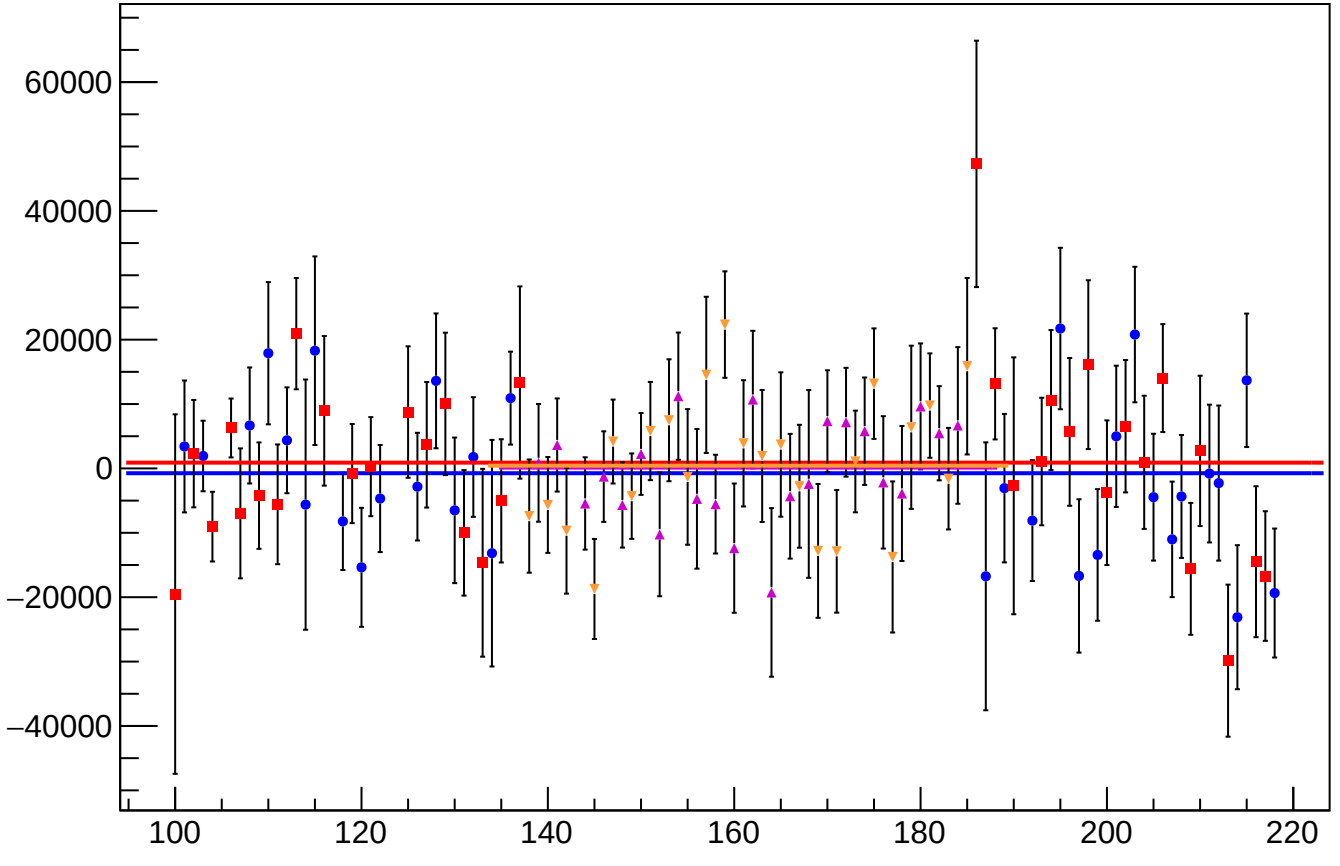
Right: 1566.213+/-0.176 χ^2/NDF: 1524772.0/65

In: 1582.670+/-0.182 χ^2/NDF:977381.0/54

Out: 1577.734+/-0.181 χ^2/NDF:917238.9/57

All: 1580.189+/-0.128 χ^2/NDF: 1894991.5/11

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -744.444+/-1734.140 χ^2/NDF: 38.4/31

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: 898.762+/-1622.201 χ^2/NDF: 44.9/33

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

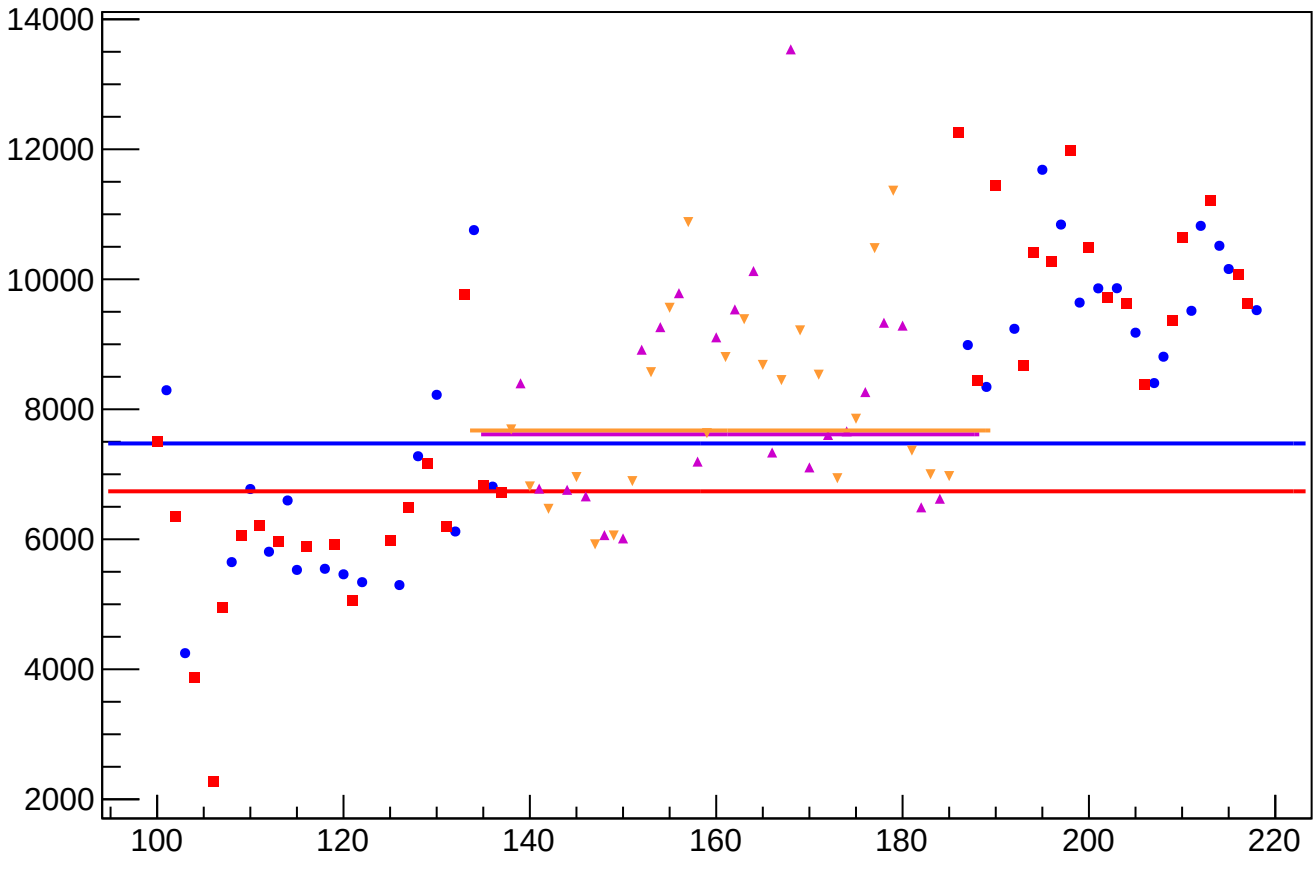
Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

Right: 131.901+/-1184.667 χ^2/NDF: 83.8/65

In: -328.826+/-1253.778 χ^2/NDF:52.4/54

Out: 689.753+/-1210.950 χ^2/NDF:74.3/57

All: 198.157+/-871.018 χ^2/NDF: 127.0/112



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: 6737.954+/-1.147 χ^2/NDF: 5572796.1/33

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

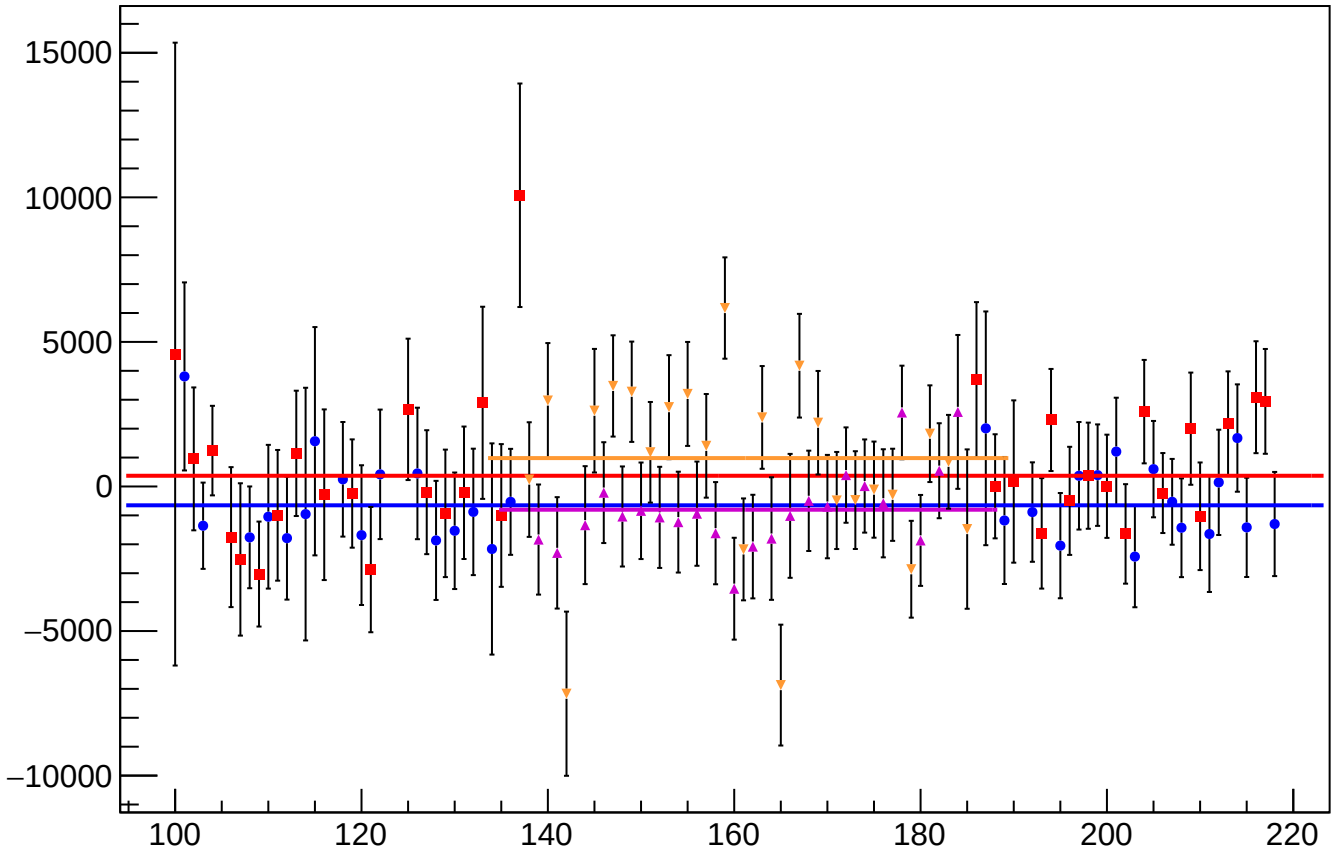
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 7081.671+/-0.838 χ^2/NDF: 8793540.7/65

In: 7541.524+/-0.887 χ^2/NDF:4259135.1/54

Out: 7152.424+/-0.856 χ^2/NDF:6944385.0/57

All: 7340.215+/-0.616 χ^2/NDF: 11303178.6/1



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: 370.538+/-353.457 χ^2/NDF: 30.9/33

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

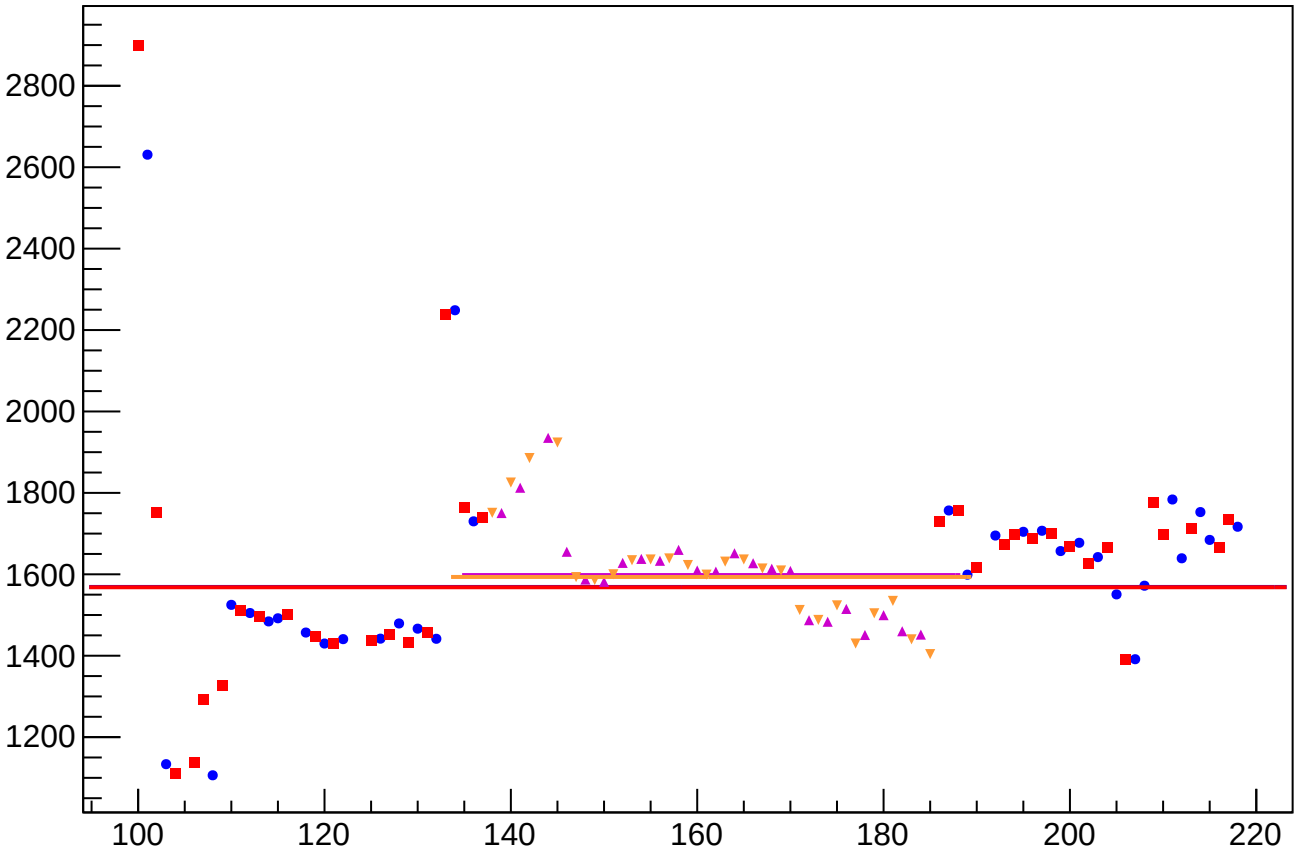
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -141.184+/-249.742 χ^2/NDF: 46.7/65

In: -723.138+/-256.702 χ^2/NDF:24.1/54

Out: 661.462+/-255.857 χ^2/NDF:87.9/57

All: -28.556+/-181.217 χ^2/NDF: 126.6/112



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: 1568.194+/-0.250 χ^2/NDF: 666207.7/33

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

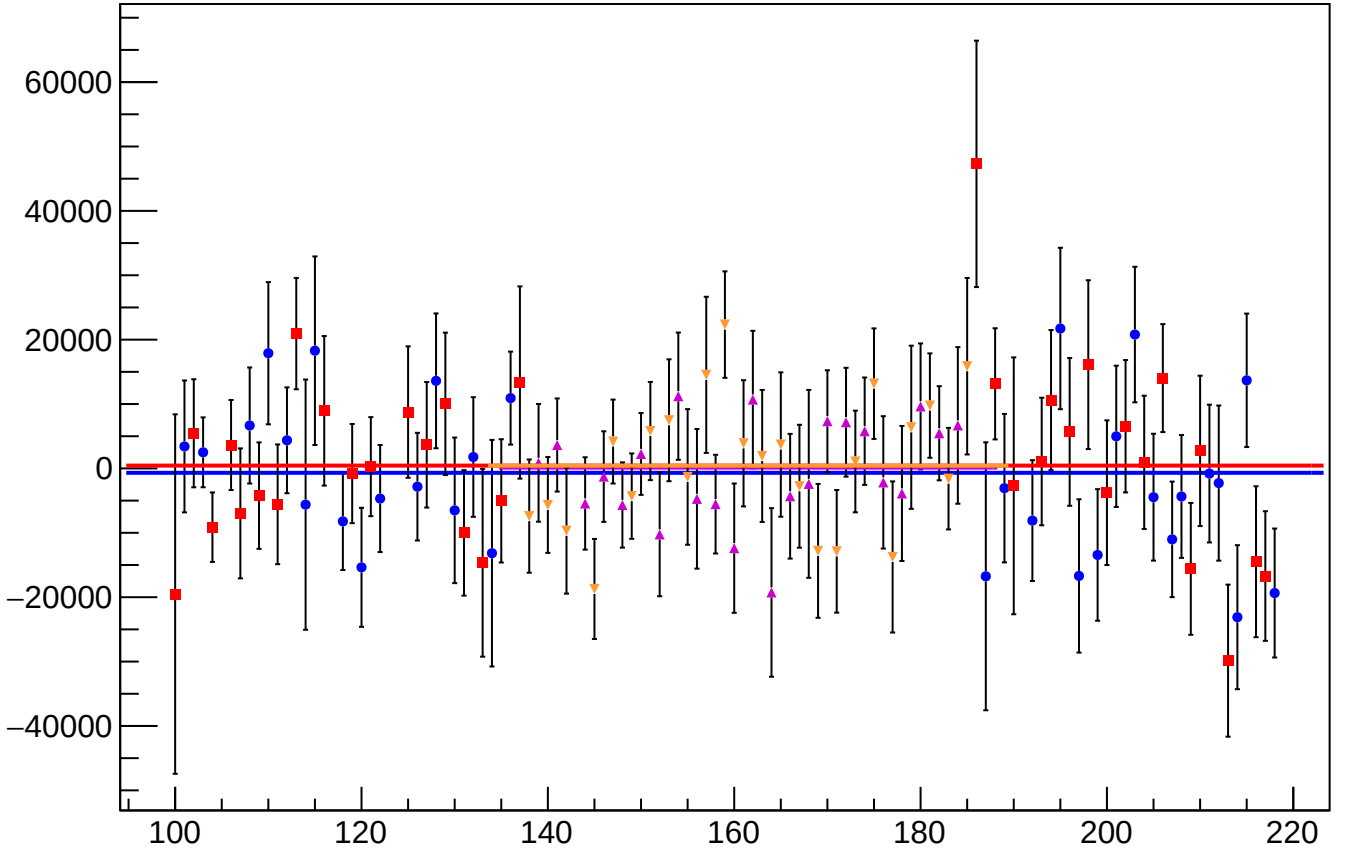
Right: 1568.556+/-0.177 χ^2/NDF: 1467987.5/65

In: 1582.670+/-0.182 χ^2/NDF:977381.5/54

Out: 1580.219+/-0.181 χ^2/NDF:858698.7/57

All: 1581.440+/-0.128 χ^2/NDF: 1836171.6/11

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: 438.421+/-1683.927 χ^2/NDF: 43.9/33

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

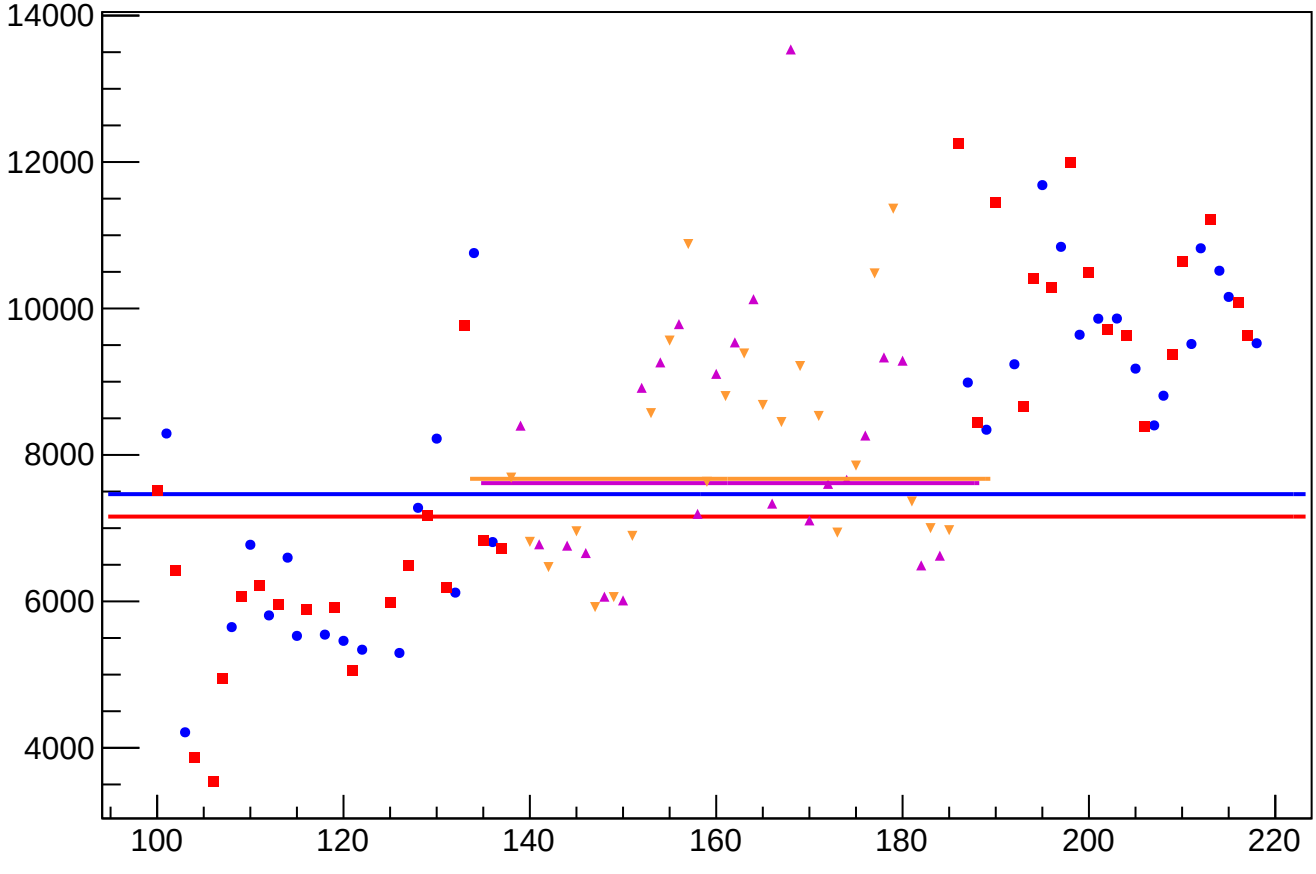
Right: -105.327+/-1207.507 χ^2/NDF: 82.7/65

In: -295.981+/-1253.139 χ^2/NDF:52.5/54

Out: 433.016+/-1235.987 χ^2/NDF:73.3/57

All: 73.540+/-879.976 χ^2/NDF: 126.0/112

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: 7158.086+/-1.191 χ^2/NDF: 3964934.3/33

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

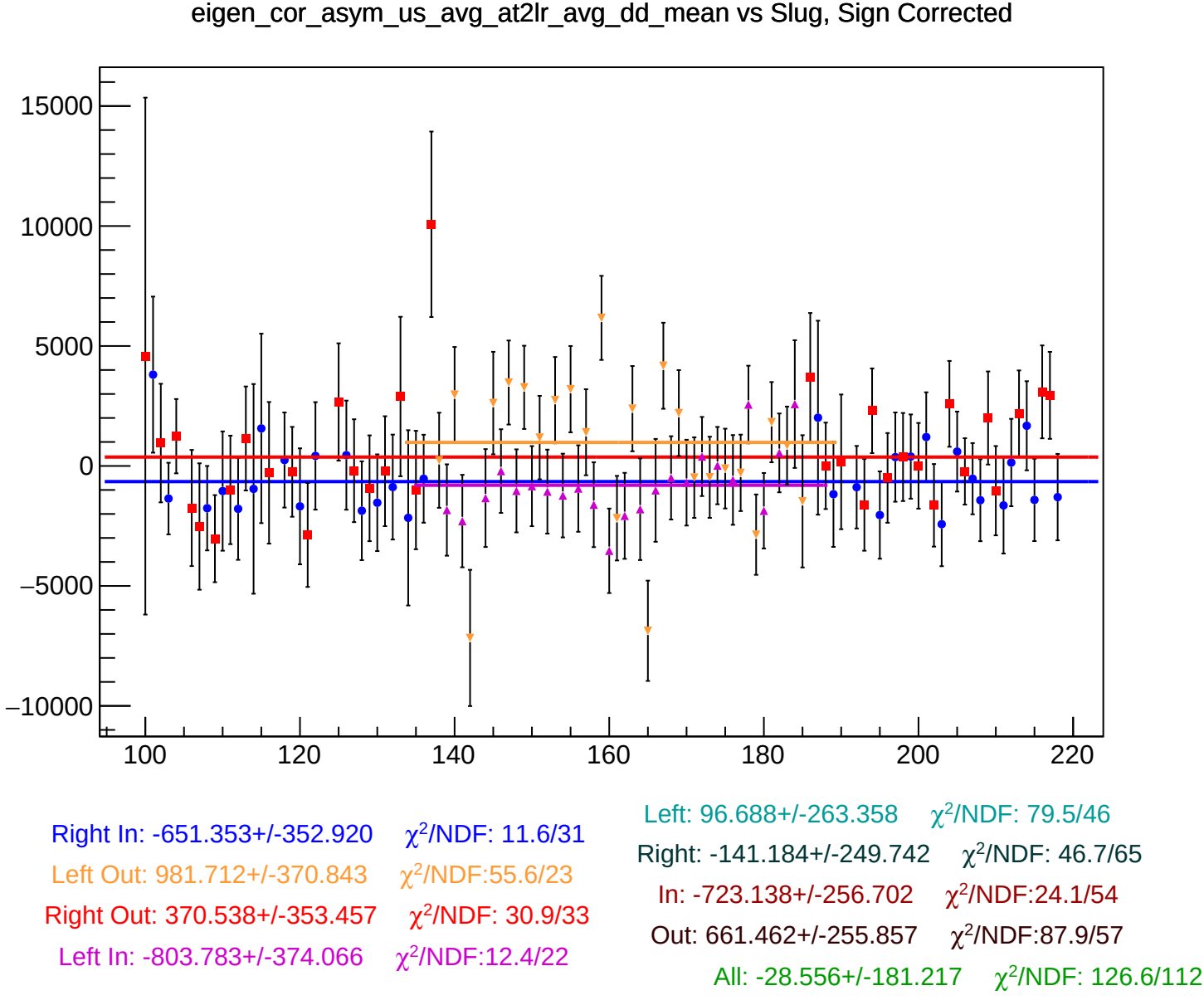
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

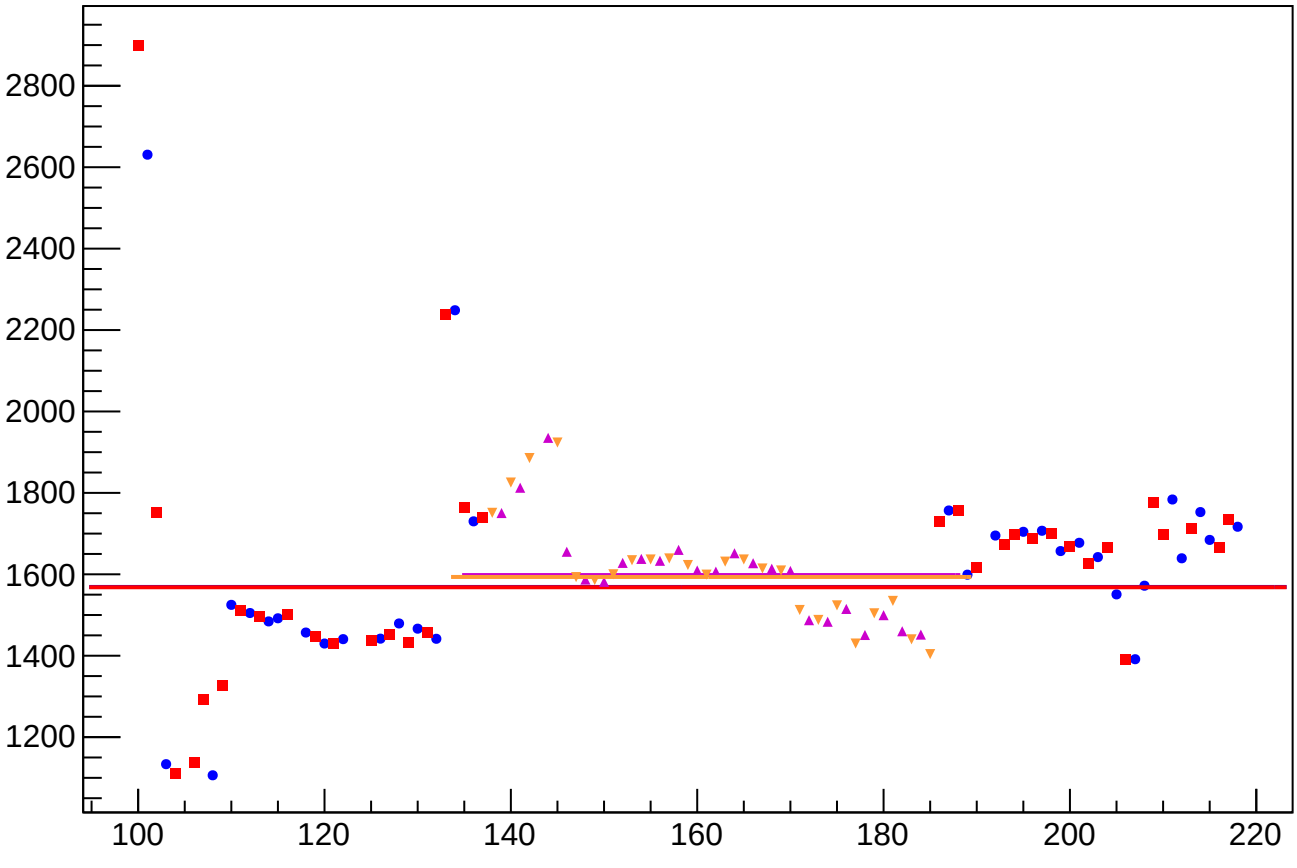
Right: 7306.960+/-0.854 χ^2/NDF: 7054574.8/65

In: 7536.260+/-0.886 χ^2/NDF:4289176.5/54

Out: 7396.084+/-0.874 χ^2/NDF:5128260.7/57

All: 7465.206+/-0.622 χ^2/NDF: 9430122.4/11


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: 370.538+/-353.457 χ²/NDF: 30.9/33
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -141.184+/-249.742 χ²/NDF: 46.7/65
In: -723.138+/-256.702 χ²/NDF:24.1/54
Out: 661.462+/-255.857 χ²/NDF:87.9/57
All: -28.556+/-181.217 χ²/NDF: 126.6/112



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: 1568.194+/-0.250 χ^2/NDF: 666207.7/33

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

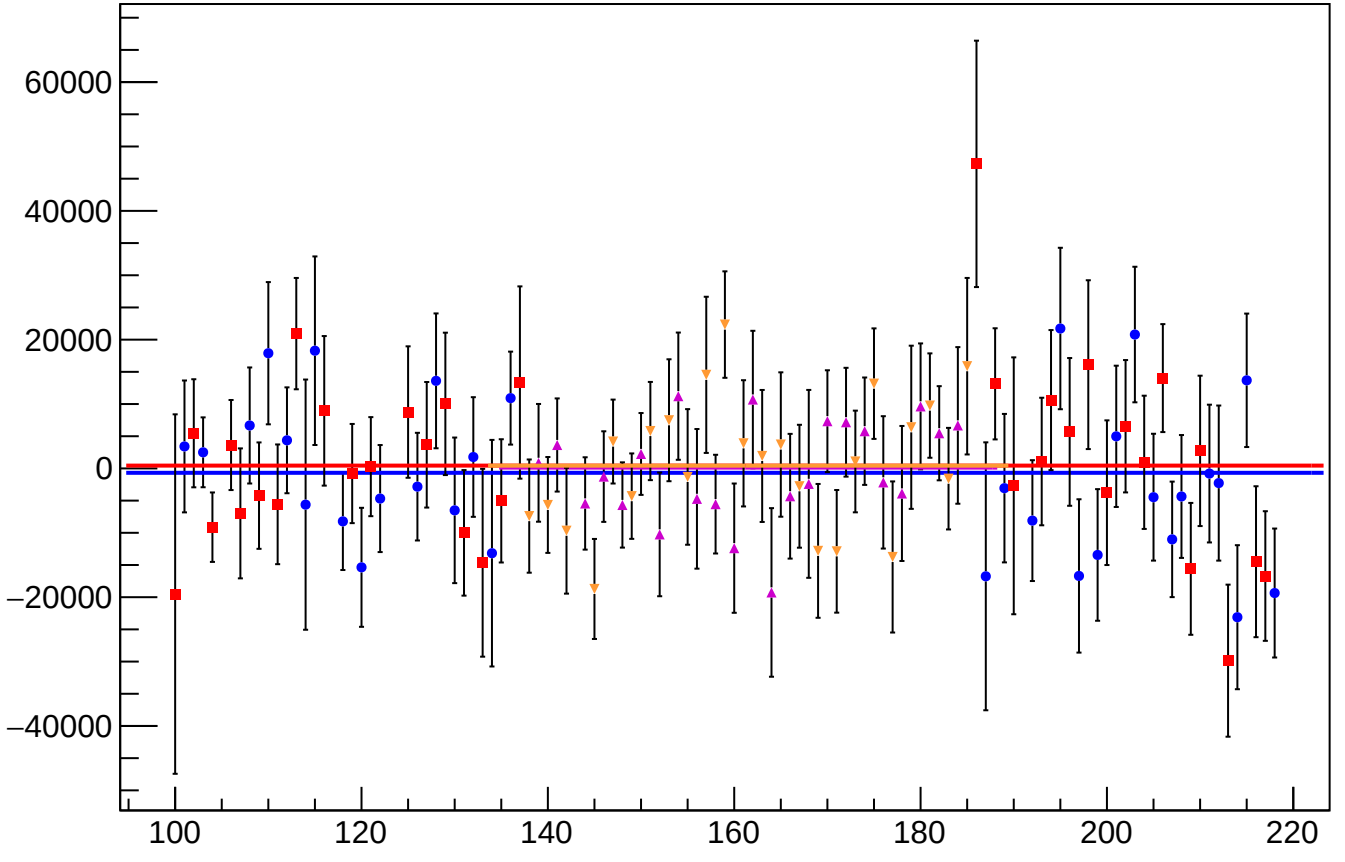
Right: 1568.556+/-0.177 χ^2/NDF: 1467987.5/65

In: 1582.670+/-0.182 χ^2/NDF:977381.5/54

Out: 1580.219+/-0.181 χ^2/NDF:858698.7/57

All: 1581.440+/-0.128 χ^2/NDF: 1836171.6/11

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: 438.421+/-1683.927 χ^2/NDF: 43.9/33

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

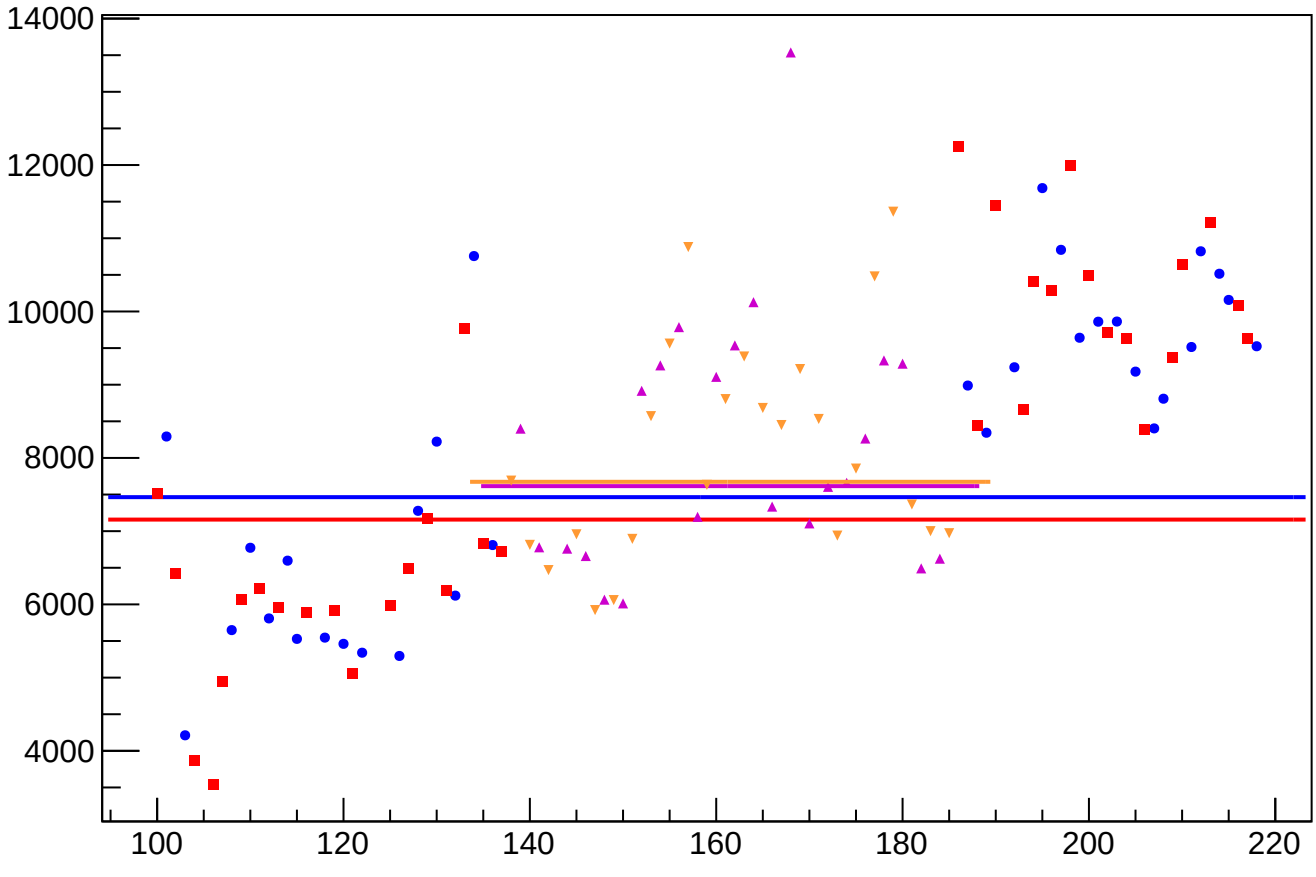
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

Right: -105.327+/-1207.507 χ^2/NDF: 82.7/65

In: -295.981+/-1253.139 χ^2/NDF:52.5/54

Out: 433.016+/-1235.987 χ^2/NDF:73.3/57

All: 73.540+/-879.976 χ^2/NDF: 126.0/112



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: 7158.086+/-1.191 χ^2/NDF: 3964934.3/33

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

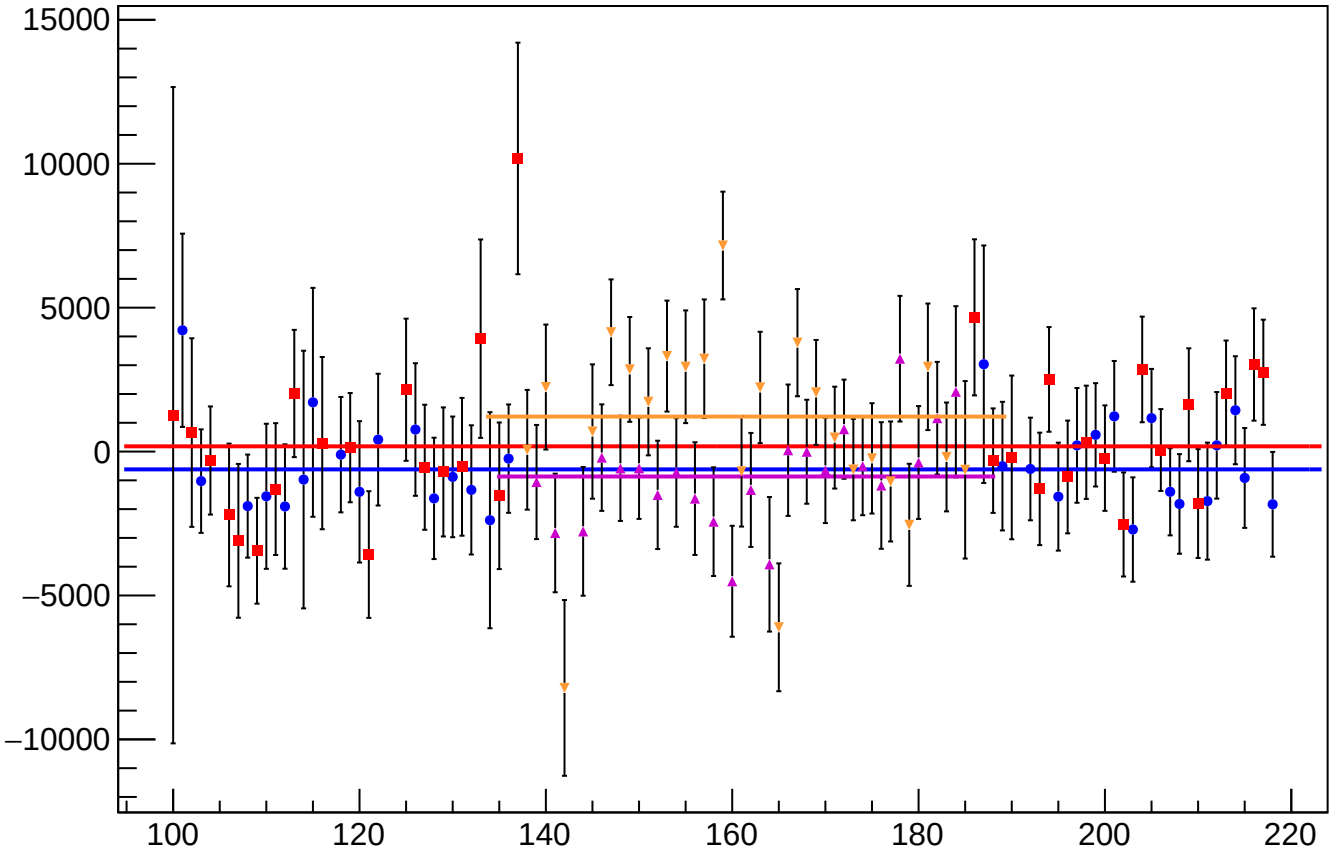
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 7306.960+/-0.854 χ^2/NDF: 7054574.8/65

In: 7536.260+/-0.886 χ^2/NDF:4289176.5/54

Out: 7396.084+/-0.874 χ^2/NDF:5128260.7/57

All: 7465.206+/-0.622 χ^2/NDF: 9430122.4/11



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: 181.813+/-365.971 χ^2/NDF: 35.8/33

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

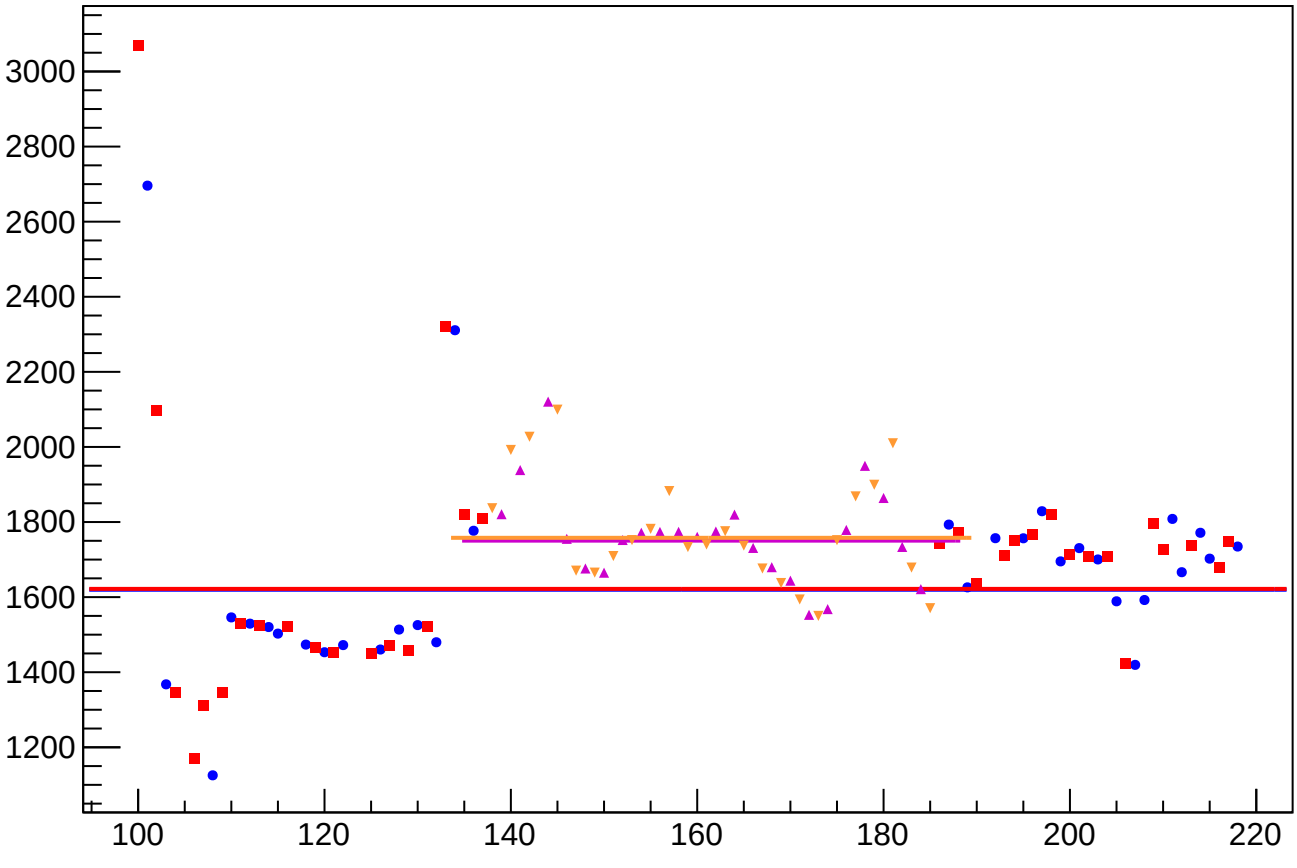
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -220.758+/-258.054 χ^2/NDF: 50.9/65

In: -727.754+/-272.183 χ^2/NDF:28.0/54

Out: 640.645+/-272.902 χ^2/NDF:87.8/57

All: -45.360+/-192.716 χ^2/NDF: 128.5/112



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: 1621.939+/-0.259 χ^2/NDF: 581002.3/33

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

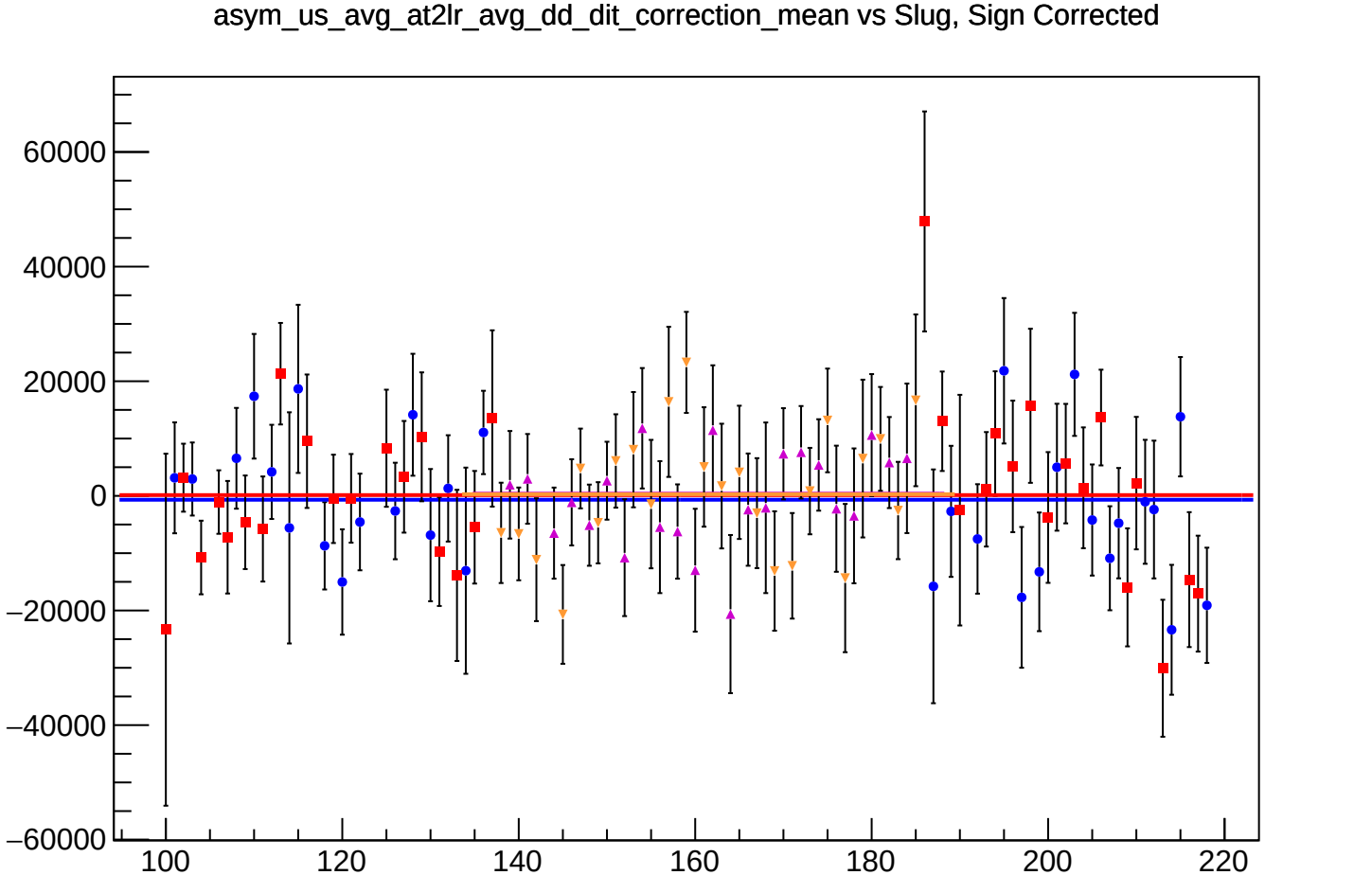
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1620.805+/-0.182 χ^2/NDF: 1264864.5/65

In: 1677.315+/-0.192 χ^2/NDF:969542.5/54

Out: 1682.319+/-0.193 χ^2/NDF:916960.1/57

All: 1679.810+/-0.136 χ^2/NDF: 1886839.8/11



Right In: -677.612+/-1762.956 χ^2/NDF: 38.2/31

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 135.721+/-1651.448 χ^2/NDF: 43.4/33

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

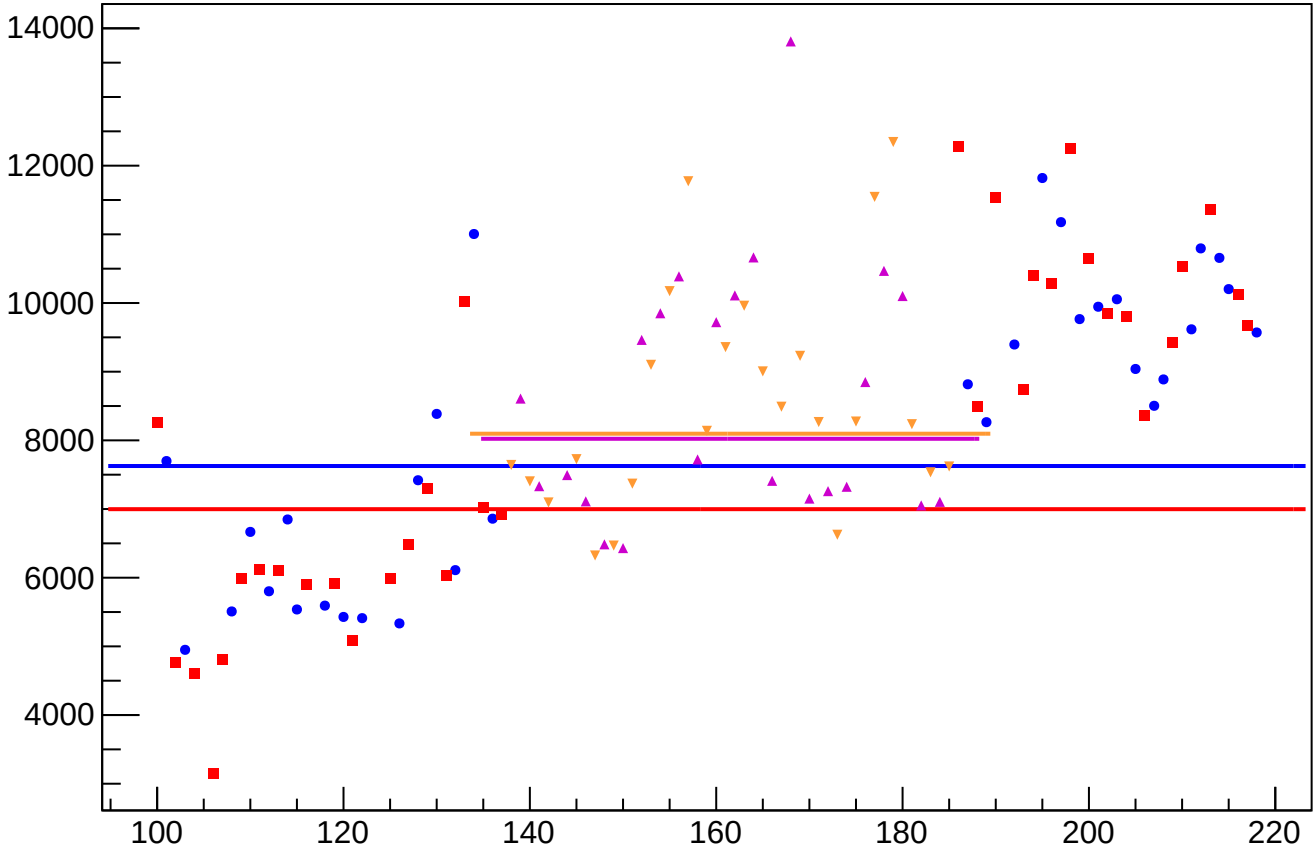
Right: -244.412+/-1205.244 χ^2/NDF: 81.7/65

In: -190.513+/-1296.210 χ^2/NDF:52.0/54

Out: 199.162+/-1252.061 χ^2/NDF:72.0/57

All: 11.074+/-900.544 χ^2/NDF: 124.0/112

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



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: 6997.935+/-1.168 χ^2/NDF: 4438528.3/33

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

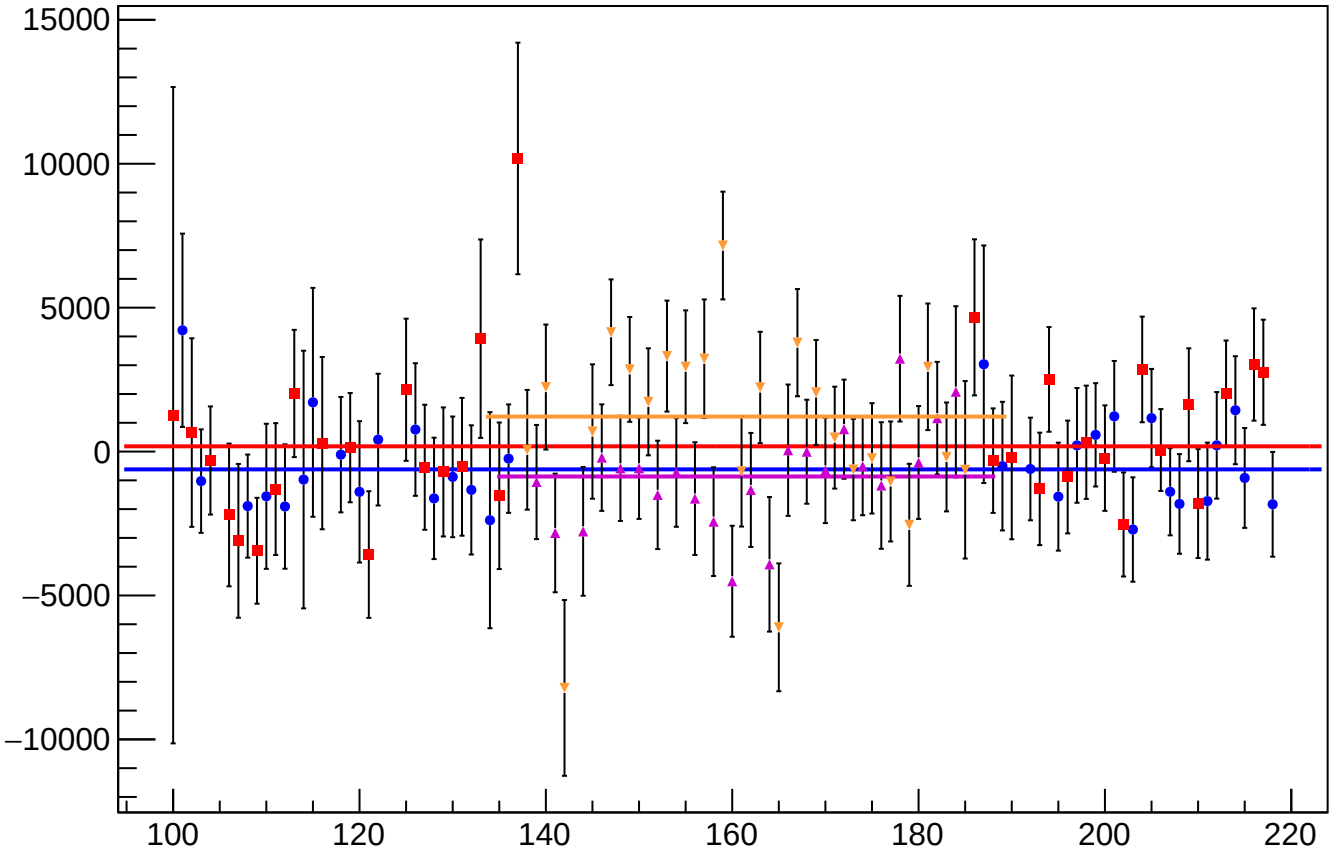
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 7291.659+/-0.852 χ^2/NDF: 7284322.5/65

In: 7808.469+/-0.917 χ^2/NDF:3982415.5/54

Out: 7465.175+/-0.885 χ^2/NDF:5902843.2/57

All: 7630.876+/-0.637 χ^2/NDF: 9957830.9/11



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: 181.811+/-365.971 χ^2/NDF: 35.8/33

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

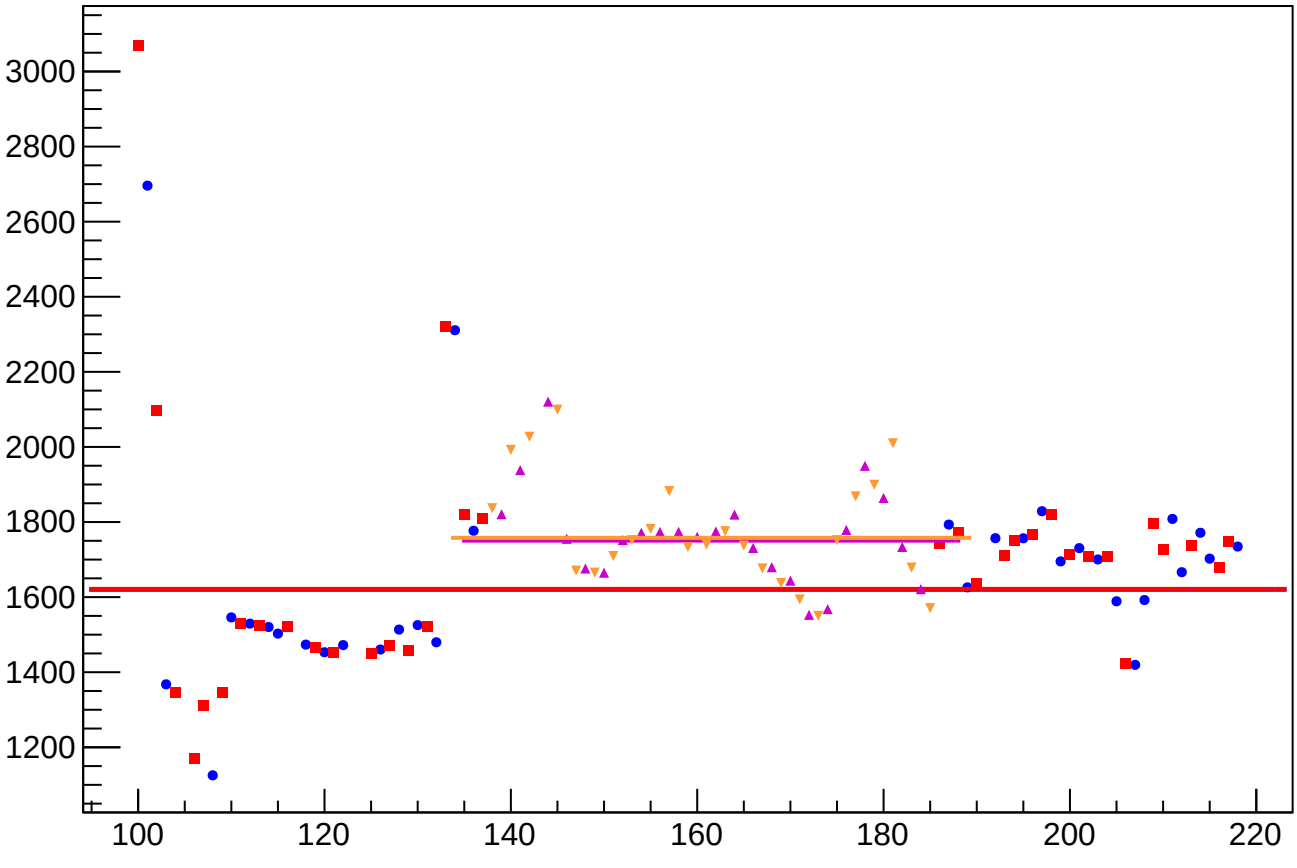
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -220.757+/-258.054 χ^2/NDF: 50.9/65

In: -727.751+/-272.183 χ^2/NDF:28.0/54

Out: 640.646+/-272.902 χ^2/NDF:87.8/57

All: -45.357+/-192.716 χ^2/NDF: 128.5/112



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: 1621.939+/-0.259 χ^2/NDF: 581003.3/33

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

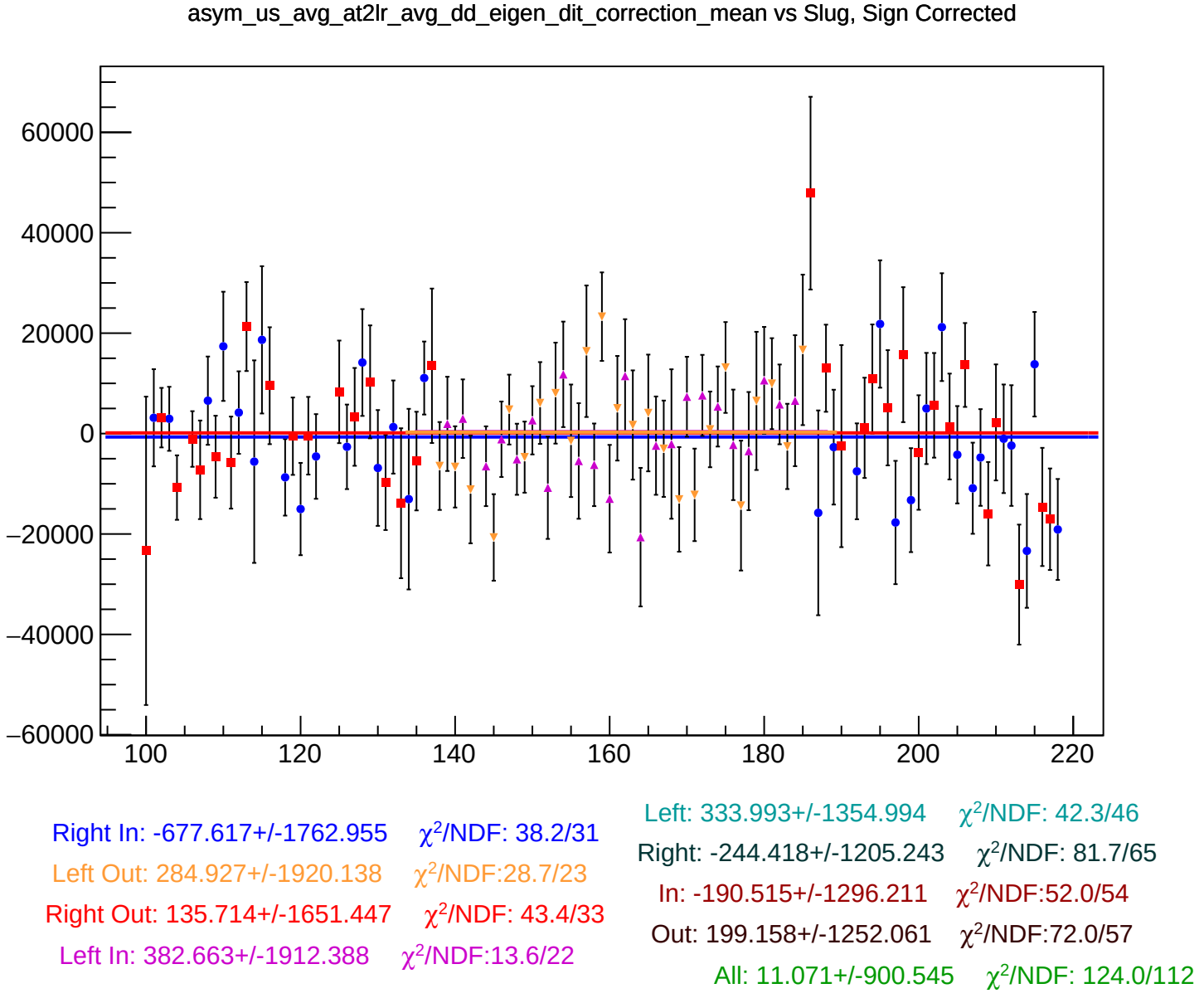
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1620.805+/-0.182 χ^2/NDF: 1264865.5/65

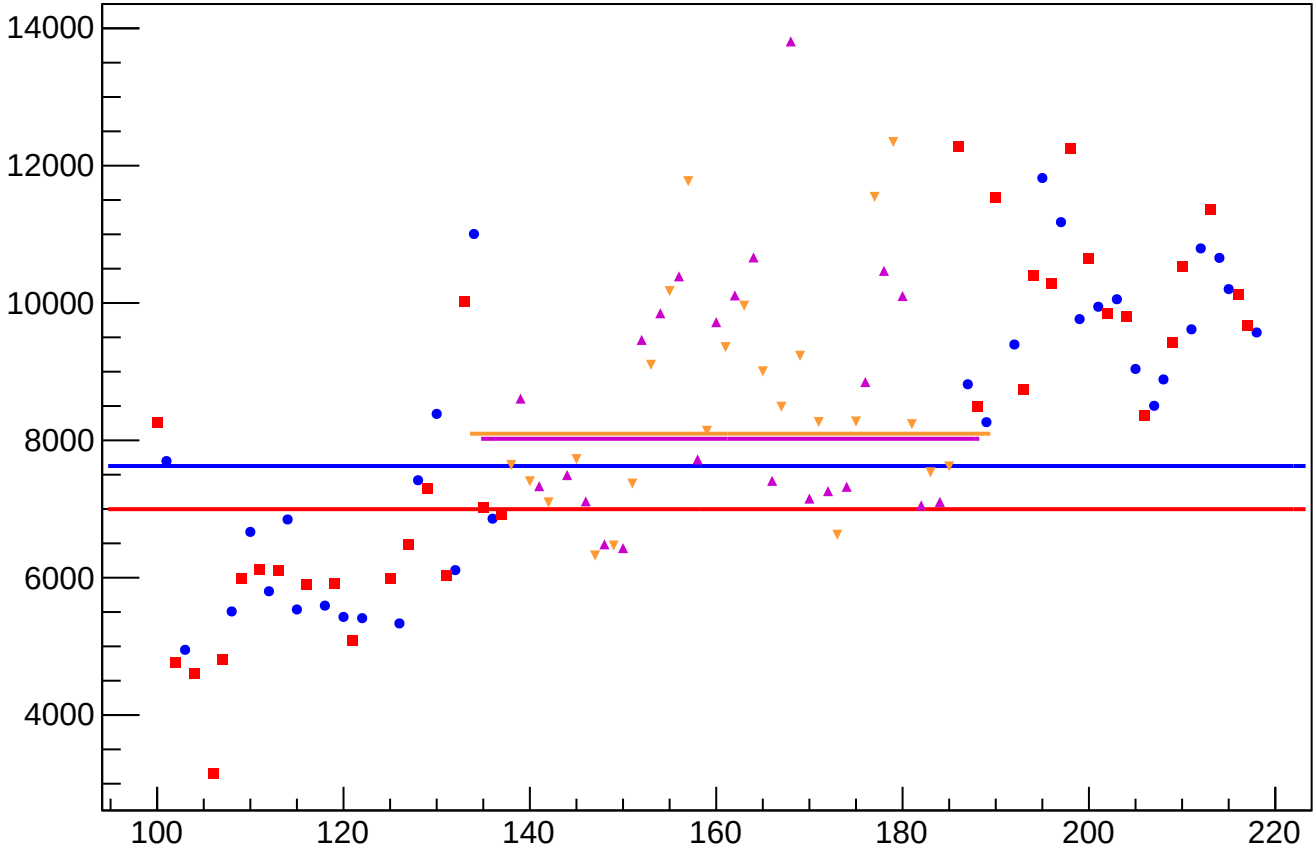
In: 1677.316+/-0.192 χ^2/NDF:969555.1/54

Out: 1682.320+/-0.193 χ^2/NDF:916973.9/57

All: 1679.812+/-0.136 χ^2/NDF: 1886866.1/11


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
220
Right In: -677.617+/-1762.955 χ²/NDF: 38.2/31
Left Out: 284.927+/-1920.138 χ²/NDF:28.7/23
Right Out: 135.714+/-1651.447 χ²/NDF: 43.4/33
Left In: 382.663+/-1912.388 χ²/NDF:13.6/22
Left: 333.993+/-1354.994 χ²/NDF: 42.3/46
Right: -244.418+/-1205.243 χ²/NDF: 81.7/65
In: -190.515+/-1296.211 χ²/NDF:52.0/54
Out: 199.158+/-1252.061 χ²/NDF:72.0/57
All: 11.071+/-900.545 χ²/NDF: 124.0/112

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 6997.926+/-1.168 χ^2/NDF: 4438562.8/33

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

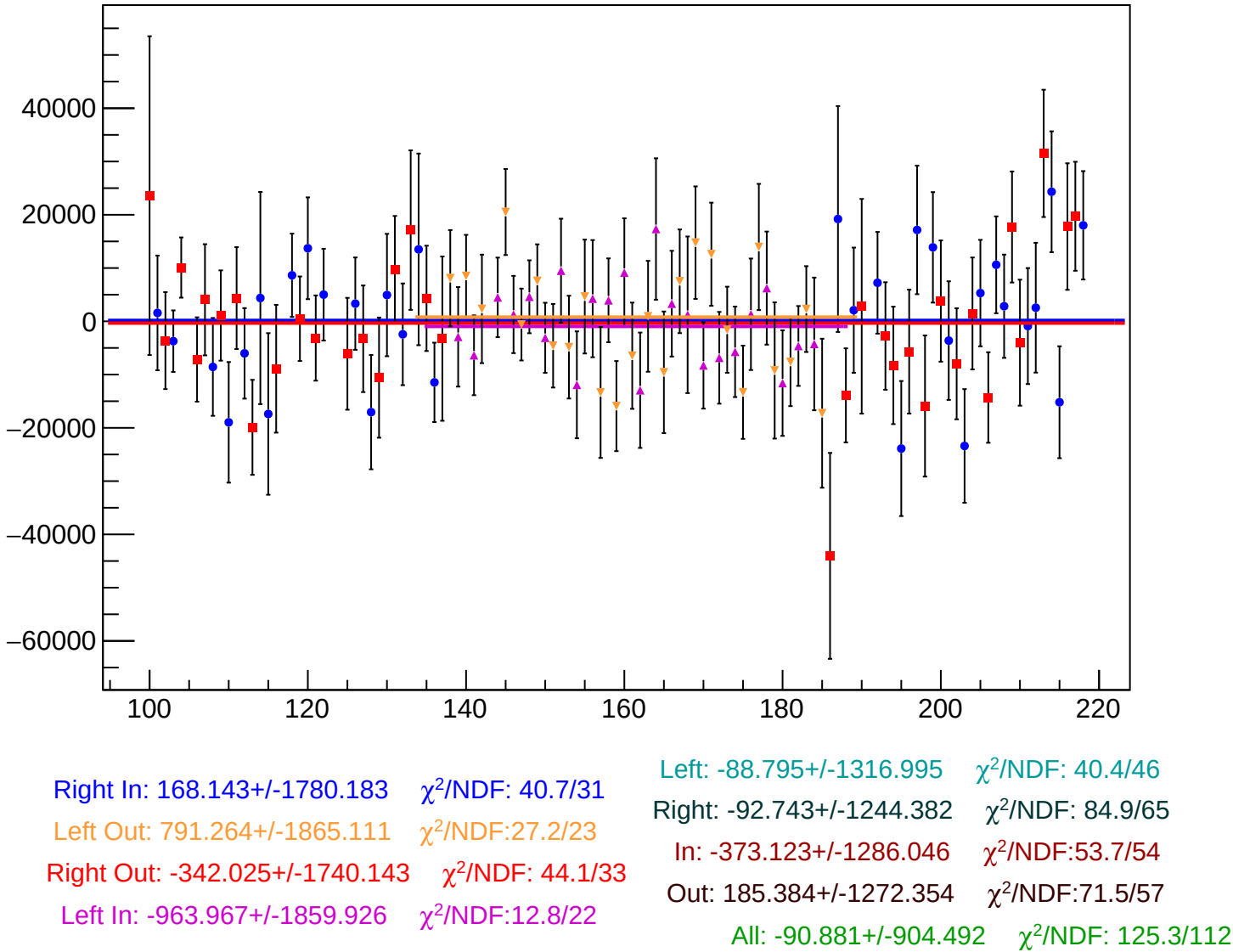
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

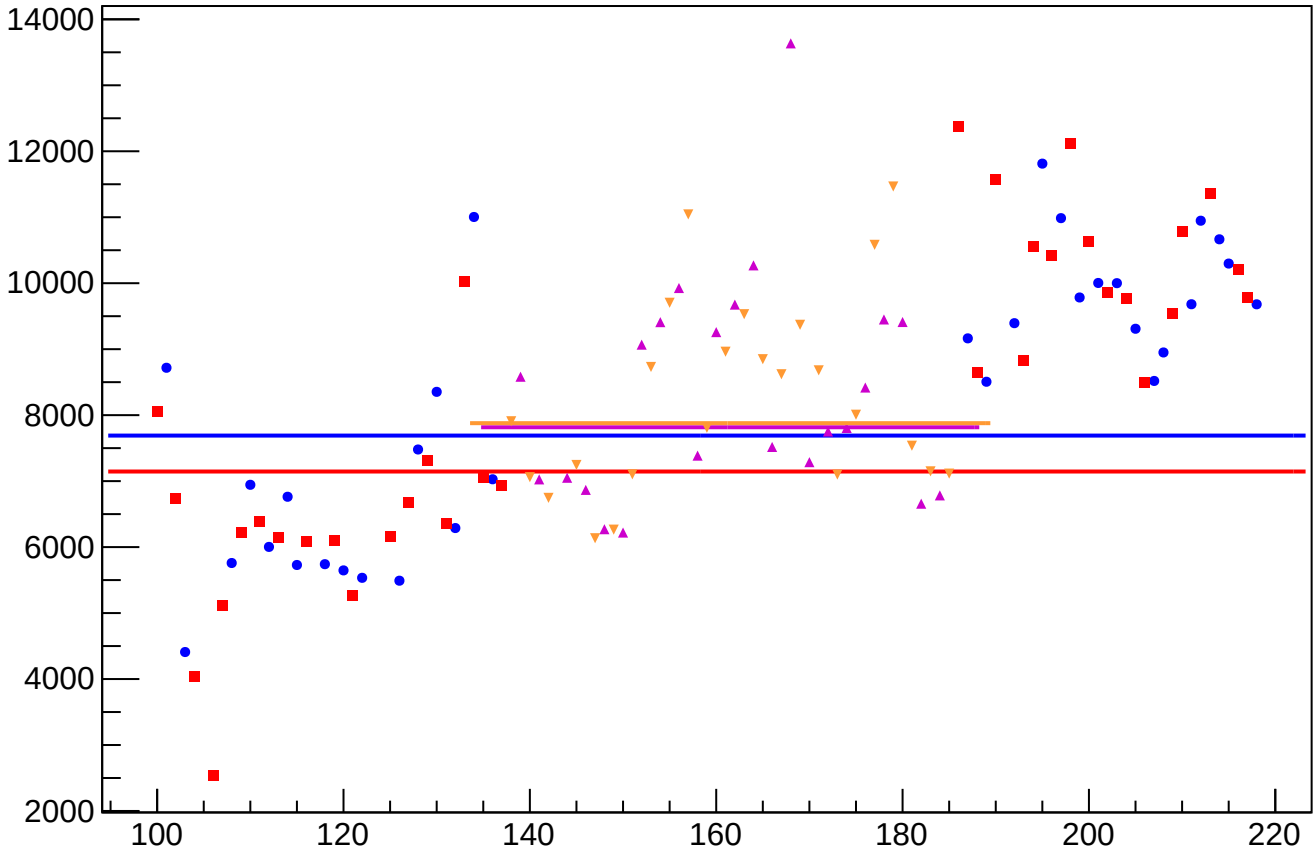
Right: 7291.651+/-0.852 χ^2/NDF: 7284394.4/65

In: 7808.470+/-0.917 χ^2/NDF:3982460.7/54

Out: 7465.174+/-0.885 χ^2/NDF:5902894.5/57

All: 7630.876+/-0.637 χ^2/NDF: 9957928.3/11


asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
220
Right In: 168.143+/-1780.183 χ²/NDF: 40.7/31
Left Out: 791.264+/-1865.111 χ²/NDF:27.2/23
Right Out: -342.025+/-1740.143 χ²/NDF: 44.1/33
Left In: -963.967+/-1859.926 χ²/NDF:12.8/22
Left: -88.795+/-1316.995 χ²/NDF: 40.4/46
Right: -92.743+/-1244.382 χ²/NDF: 84.9/65
In: -373.123+/-1286.046 χ²/NDF:53.7/54
Out: 185.384+/-1272.354 χ²/NDF:71.5/57
All: -90.881+/-904.492 χ²/NDF: 125.3/112



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: 7145.595+/-1.203 χ^2/NDF: 4639591.0/33

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

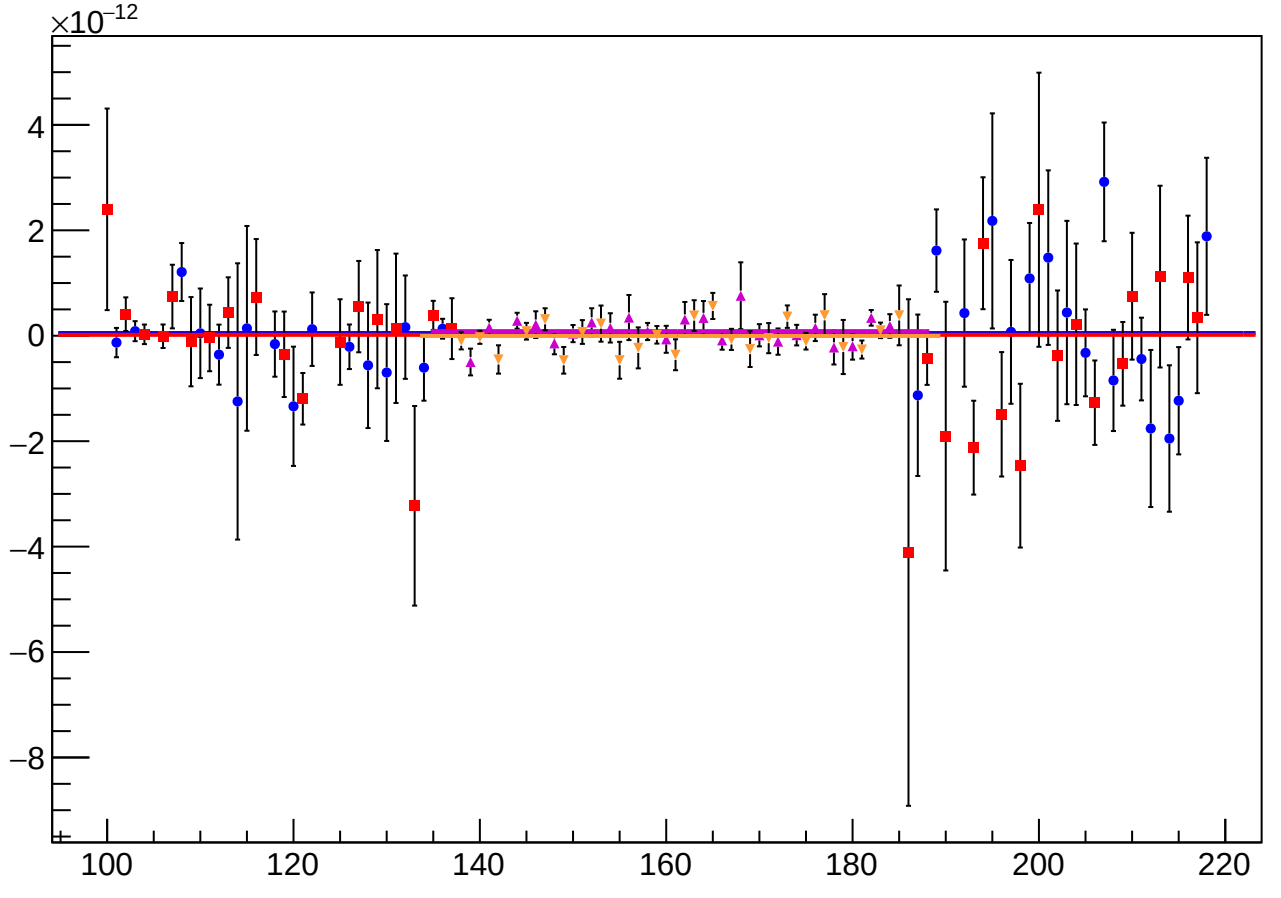
Right: 7405.621+/-0.870 χ^2/NDF: 7575108.2/65

In: 7750.630+/-0.909 χ^2/NDF:3974801.5/54

Out: 7478.434+/-0.889 χ^2/NDF:5798215.6/57

All: 7611.414+/-0.636 χ^2/NDF: 9818840.8/11

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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: 36.7/33

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

Left: 0.000+/-0.000 χ^2/NDF: 50.1/46

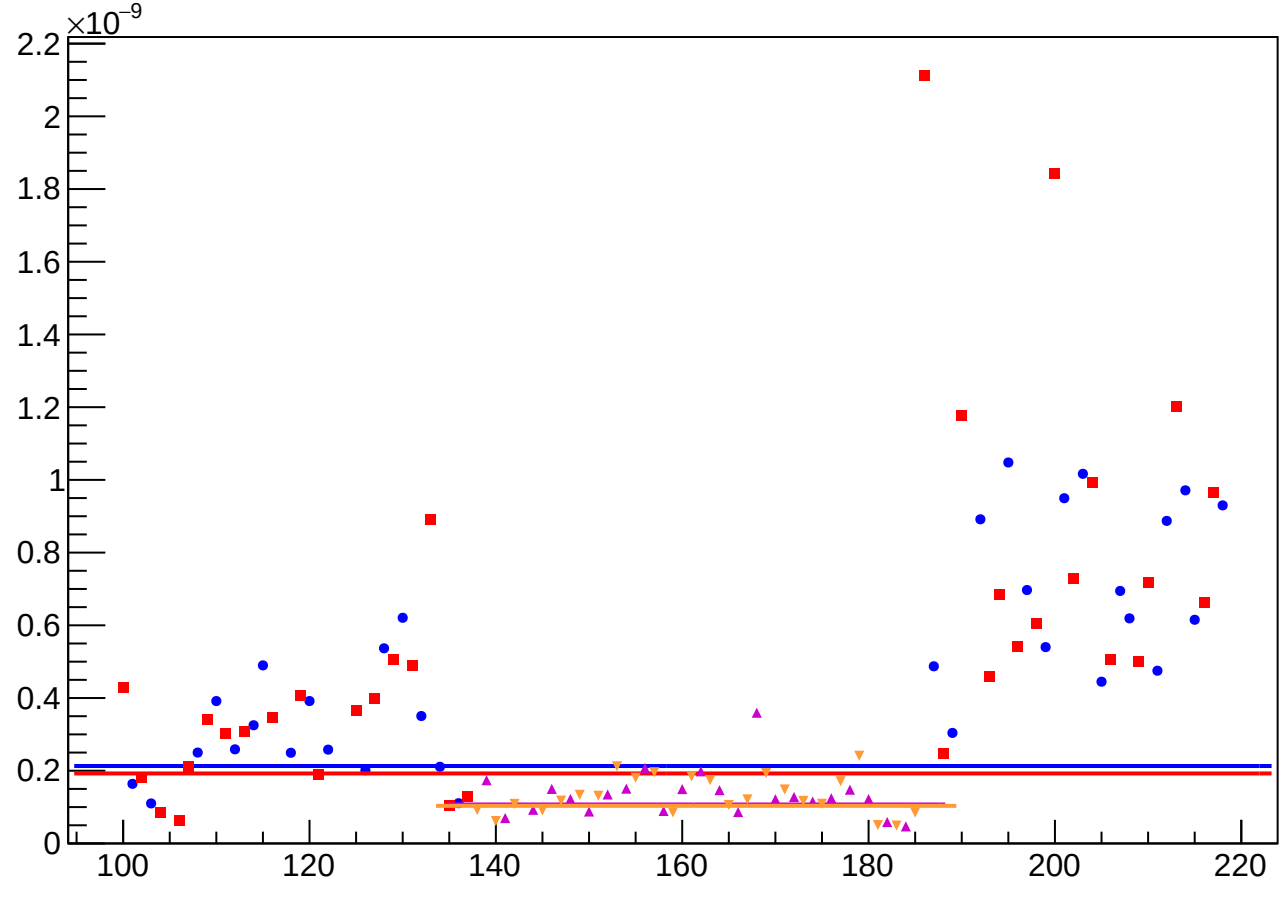
Right: 0.000+/-0.000 χ^2/NDF: 68.5/65

In: 0.000+/-0.000 χ^2/NDF:51.2/54

Out: -0.000+/-0.000 χ^2/NDF:65.4/57

All: 0.000+/-0.000 χ^2/NDF: 118.6/112

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: 8417344.1/33

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

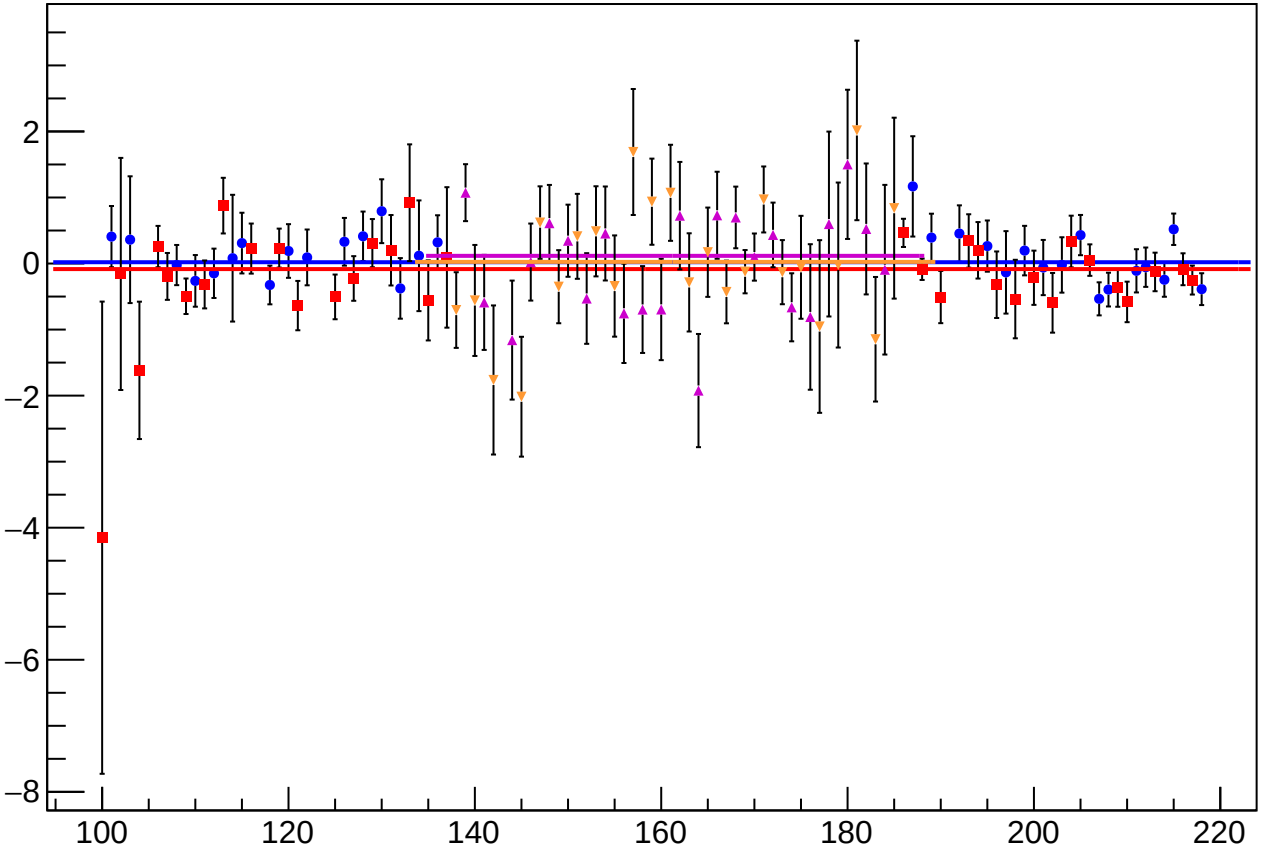
Right: 0.000+/-0.000 χ^2/NDF: 15361414.0/65

In: 0.000+/-0.000 χ^2/NDF:10437100.7/54

Out: 0.000+/-0.000 χ^2/NDF:11747761.9/57

All: 0.000+/-0.000 χ^2/NDF: 22212887.7/112

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: -0.084+/-0.058 χ^2/NDF: 39.0/33

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

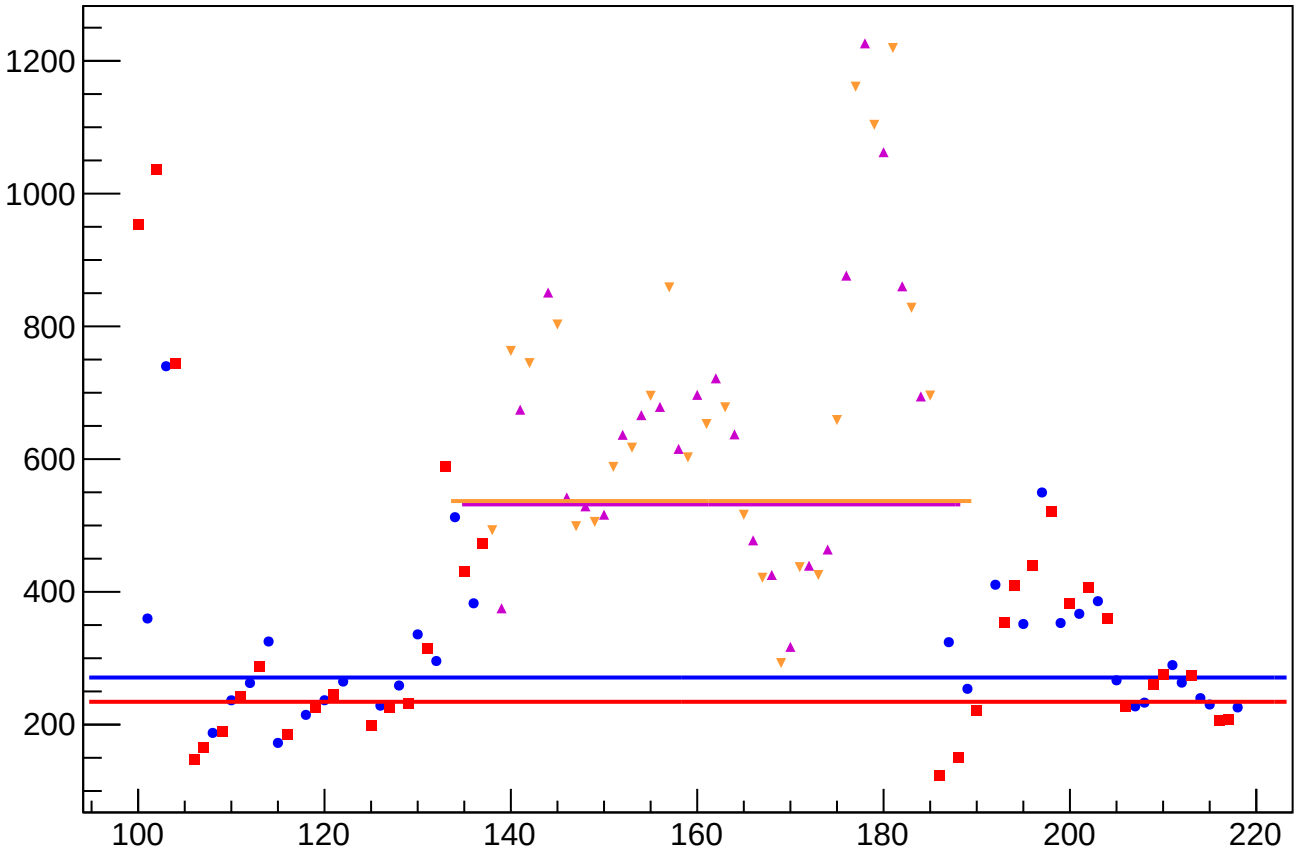
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: -0.037+/-0.043 χ^2/NDF: 72.7/65

In: 0.038+/-0.057 χ^2/NDF:60.5/54

Out: -0.067+/-0.053 χ^2/NDF:68.6/57

All: -0.018+/-0.039 χ^2/NDF: 130.9/112



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: 234.381+/-0.041 χ^2/NDF: 5332246.4/33

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

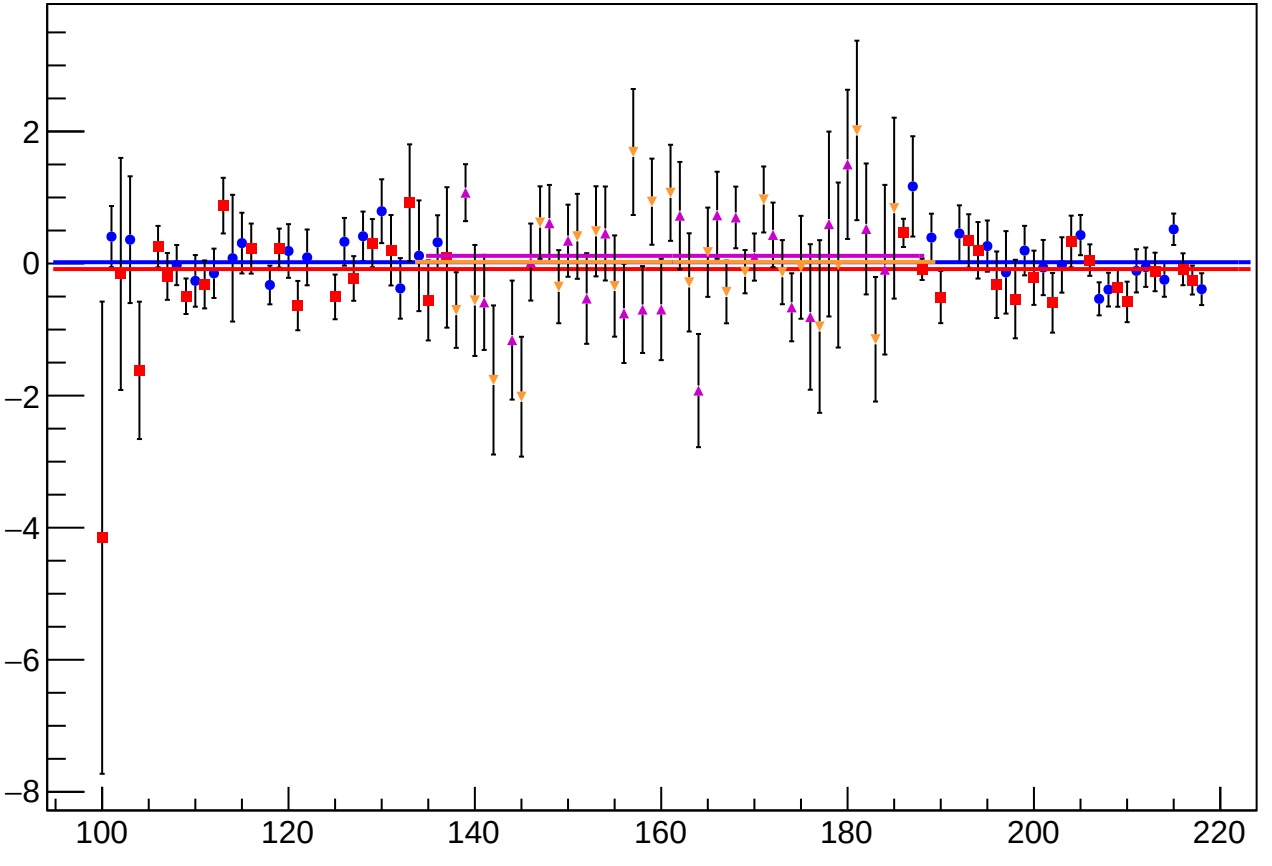
Right: 250.910+/-0.030 χ^2/NDF: 8319819.8/65

In: 320.055+/-0.041 χ^2/NDF:12301780.5/54

Out: 281.989+/-0.038 χ^2/NDF:17883744.5/57

All: 299.539+/-0.028 χ^2/NDF: 30658454.2/11

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: -0.084+/-0.058 χ^2/NDF: 39.0/33

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

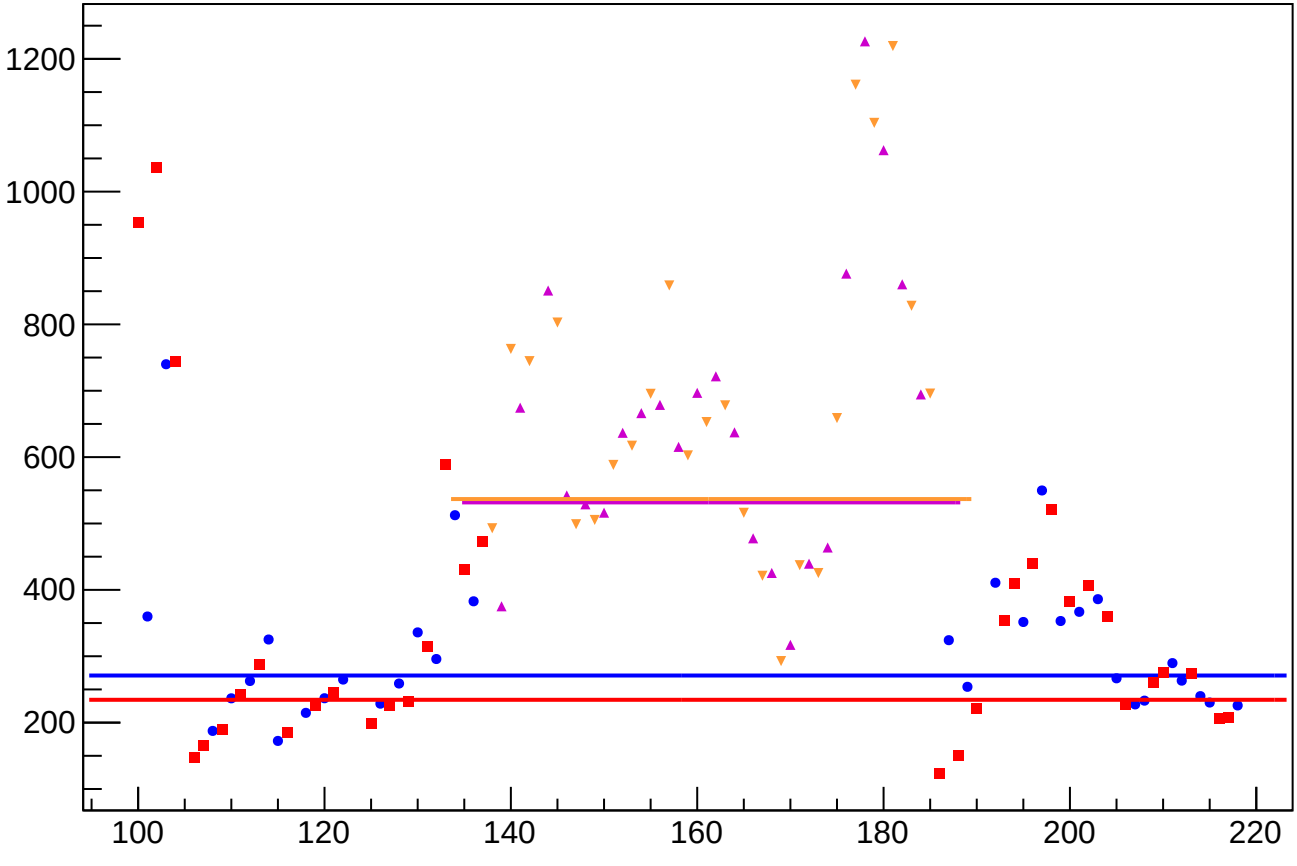
Right: -0.037+/-0.043 χ^2/NDF: 72.7/65

In: 0.038+/-0.057 χ^2/NDF:60.5/54

Out: -0.067+/-0.053 χ^2/NDF:68.6/57

All: -0.018+/-0.039 χ^2/NDF: 130.9/112

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: 234.381+/-0.041 χ^2/NDF: 5332246.4/33

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

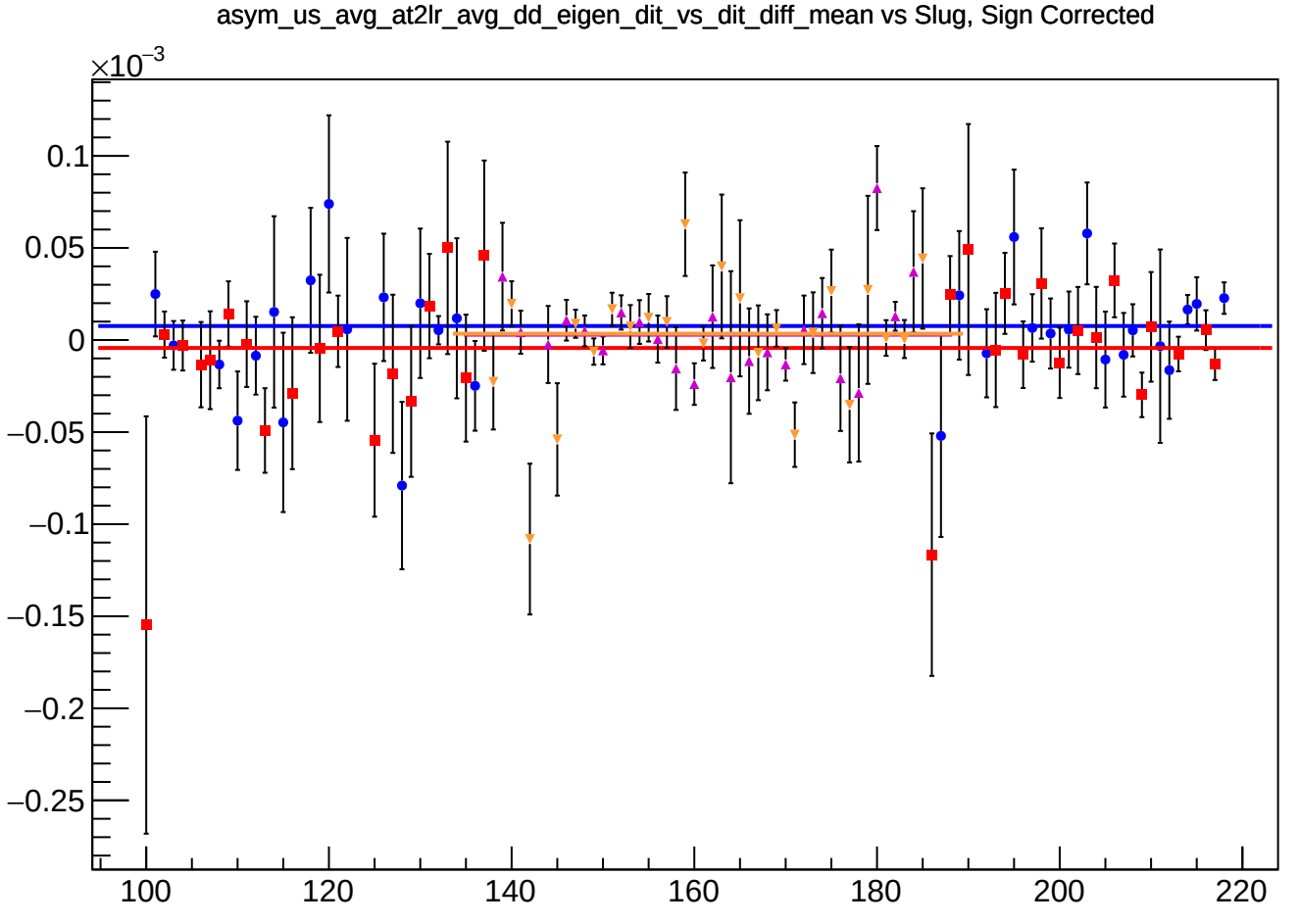
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 250.910+/-0.030 χ^2/NDF: 8319819.8/65

In: 320.055+/-0.041 χ^2/NDF:12301780.5/54

Out: 281.989+/-0.038 χ^2/NDF:17883744.5/57

All: 299.539+/-0.028 χ^2/NDF: 30658454.2/11



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: 31.5/33

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

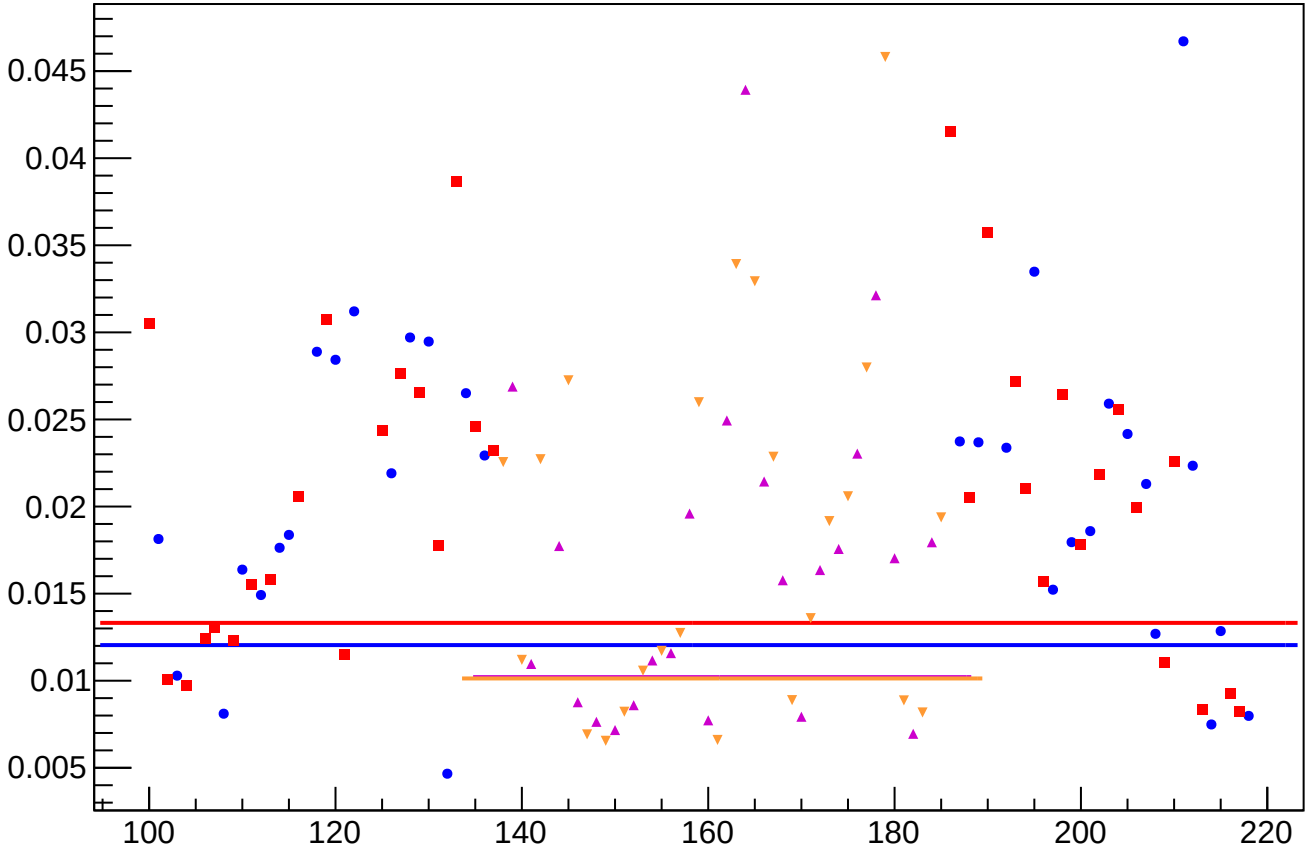
Right: 0.000+/-0.000 χ^2/NDF: 69.4/65

In: 0.000+/-0.000 χ^2/NDF:64.7/54

Out: 0.000+/-0.000 χ^2/NDF:73.8/57

All: 0.000+/-0.000 χ^2/NDF: 140.8/112

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: 6781374.6/33

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

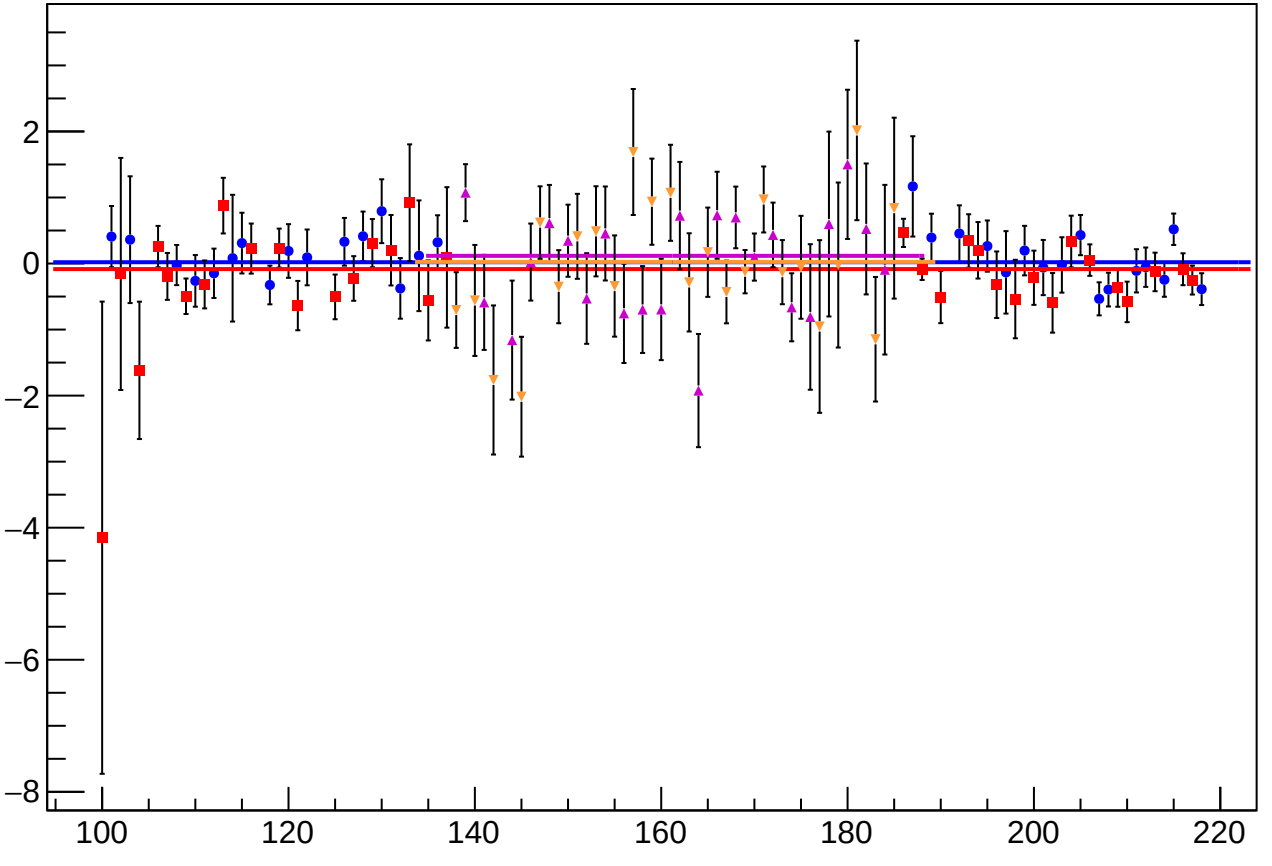
Right: 0.013+/-0.000 χ^2/NDF: 17104102.1/65

In: 0.011+/-0.000 χ^2/NDF:16623405.1/54

Out: 0.011+/-0.000 χ^2/NDF:15685746.8/57

All: 0.011+/-0.000 χ^2/NDF: 32349119.3/112

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: -0.084+/-0.058 χ^2/NDF: 39.0/33

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

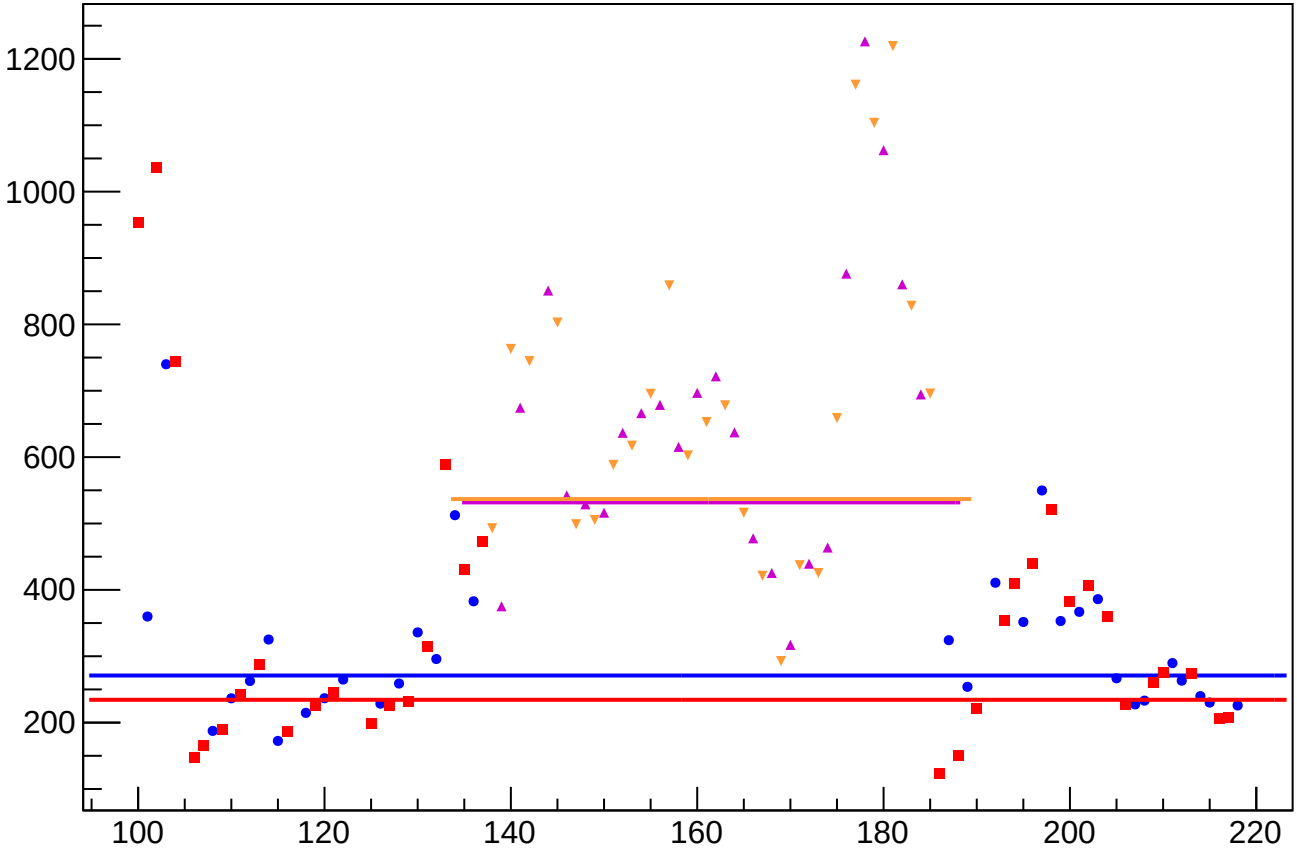
Right: -0.037+/-0.043 χ^2/NDF: 72.7/65

In: 0.038+/-0.057 χ^2/NDF:60.5/54

Out: -0.067+/-0.053 χ^2/NDF:68.6/57

All: -0.018+/-0.039 χ^2/NDF: 130.9/112

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: 234.379+/-0.041 χ^2/NDF: 5332368.7/33

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

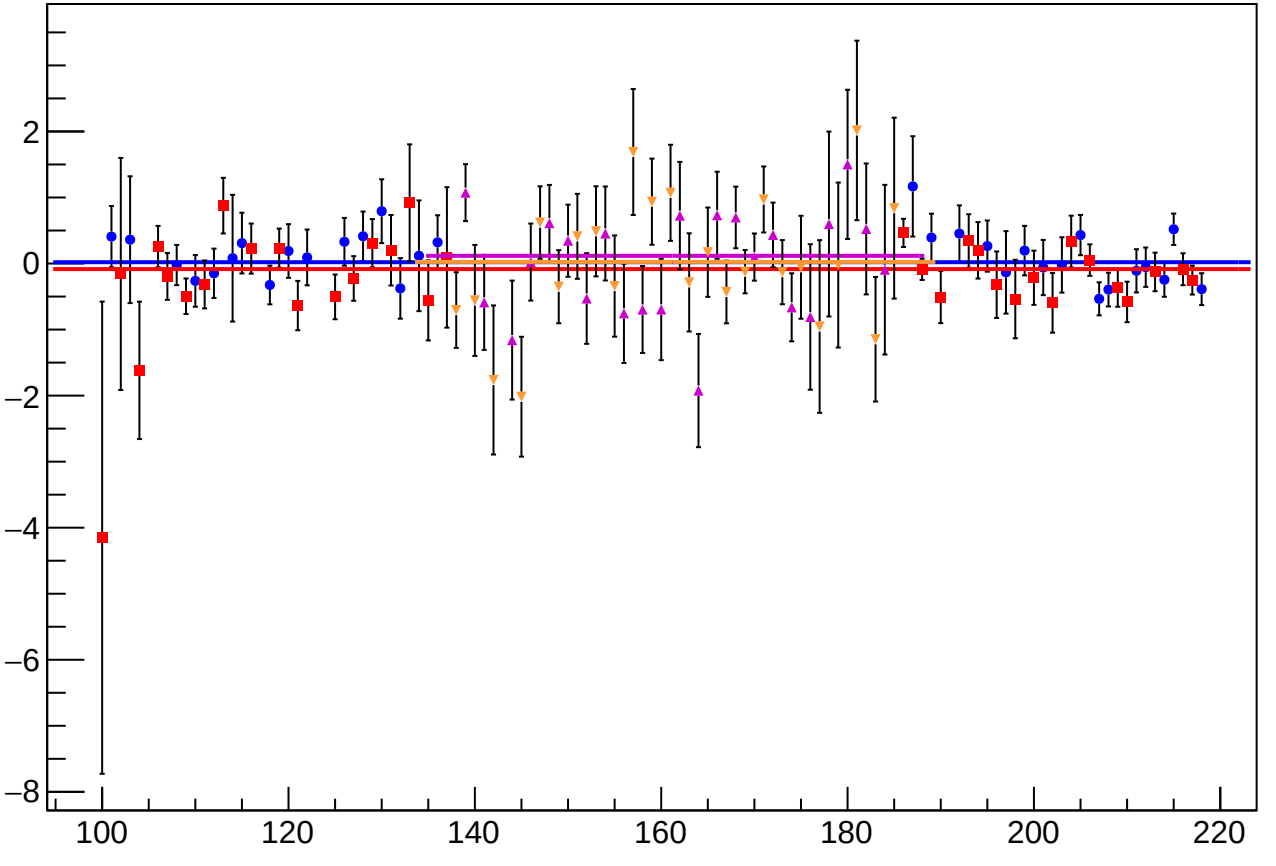
Right: 250.909+/-0.030 χ^2/NDF: 8319969.6/65

In: 320.054+/-0.041 χ^2/NDF:12302007.6/54

Out: 281.986+/-0.038 χ^2/NDF:17884157.7/57

All: 299.537+/-0.028 χ^2/NDF: 30659131.6/11

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: -0.084+/-0.058 χ^2/NDF: 39.0/33

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

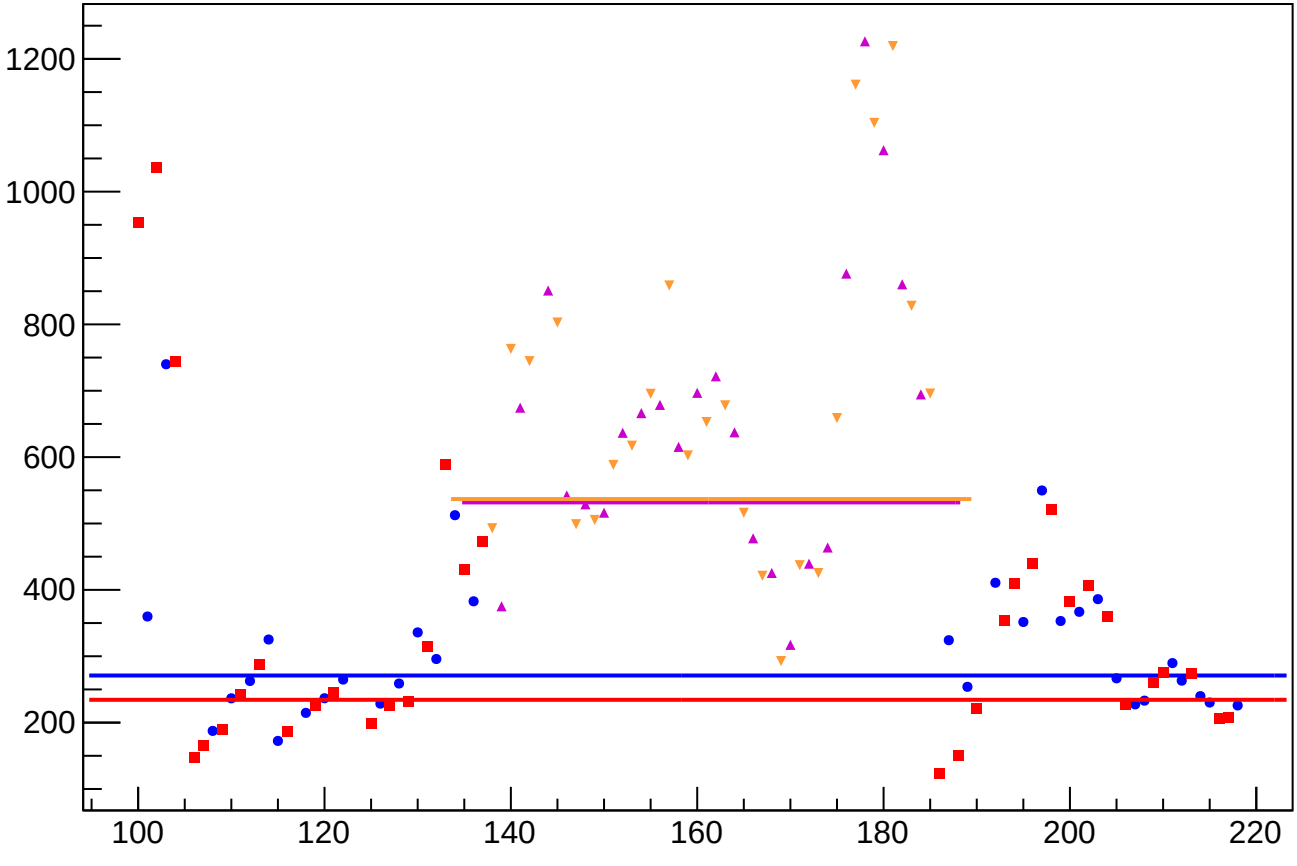
Right: -0.037+/-0.043 χ^2/NDF: 72.7/65

In: 0.038+/-0.057 χ^2/NDF:60.5/54

Out: -0.067+/-0.053 χ^2/NDF:68.6/57

All: -0.018+/-0.039 χ^2/NDF: 130.9/112

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: 234.379+/-0.041 χ^2/NDF: 5332368.7/33

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

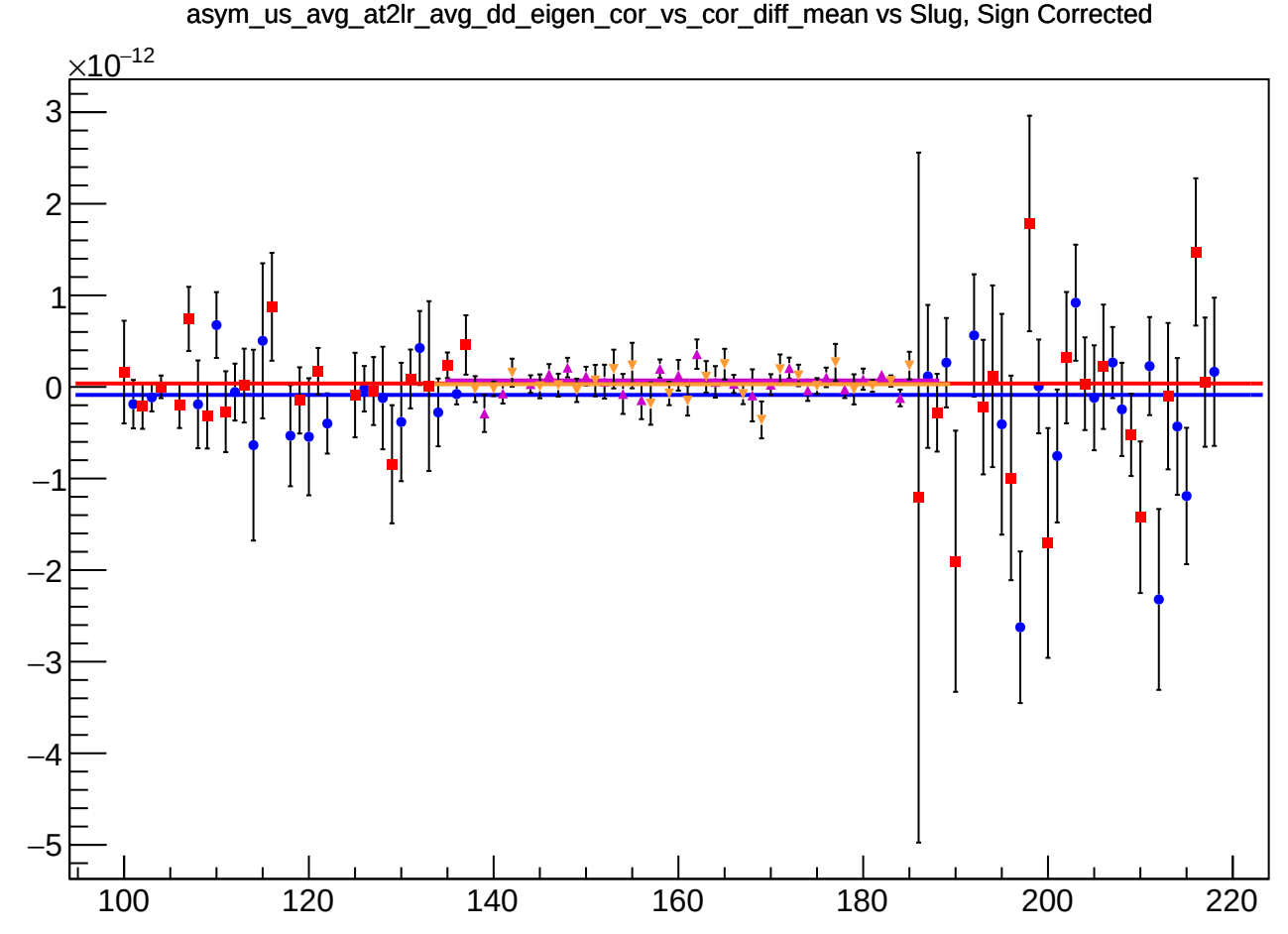
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 250.909+/-0.030 χ^2/NDF: 8319969.6/65

In: 320.054+/-0.041 χ^2/NDF:12302007.6/54

Out: 281.986+/-0.038 χ^2/NDF:17884157.7/57

All: 299.537+/-0.028 χ^2/NDF: 30659131.6/11



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: 31.6/33

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

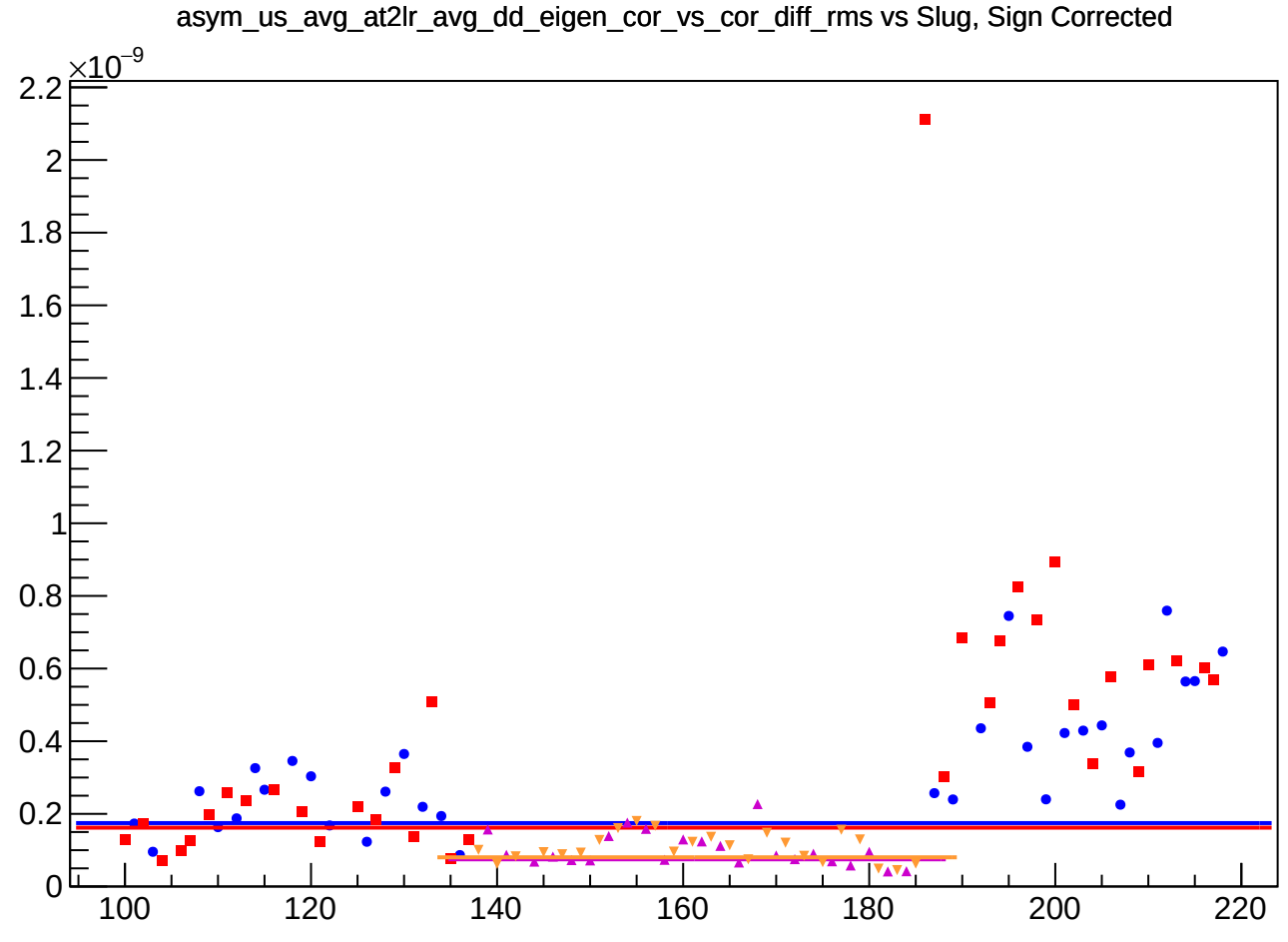
Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

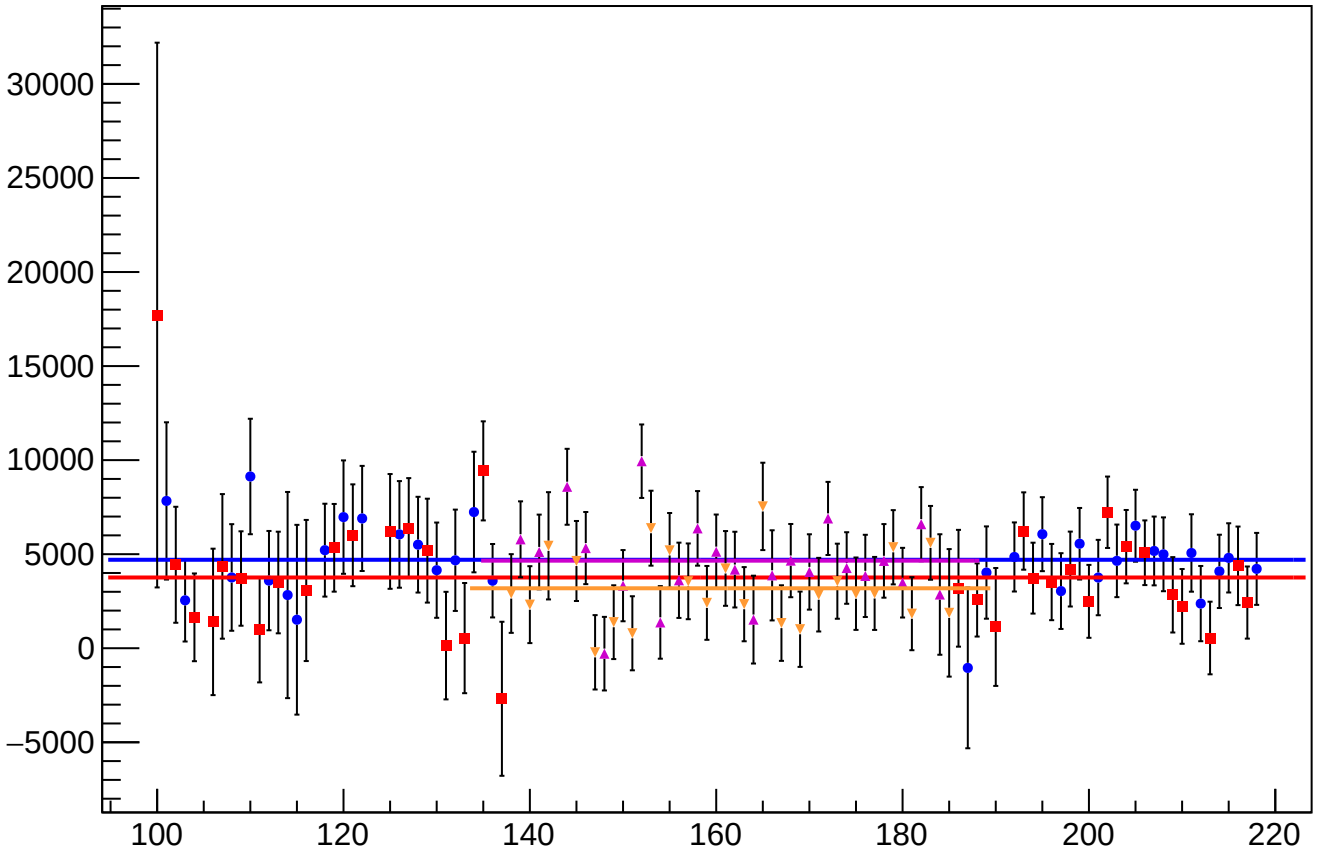
Right: -0.000+/-0.000 χ^2/NDF: 66.7/65

In: 0.000+/-0.000 χ^2/NDF:61.9/54

Out: 0.000+/-0.000 χ^2/NDF:49.4/57

All: 0.000+/-0.000 χ^2/NDF: 111.8/112


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7604791.2/31
Left Out: 0.000+/-0.000 χ²/NDF:3732870.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 10811516.1/33
Left In: 0.000+/-0.000 χ²/NDF:3665599.9/22
Left: 0.000+/-0.000 χ²/NDF: 7451186.8/46
Right: 0.000+/-0.000 χ²/NDF: 18457653.0/65
In: 0.000+/-0.000 χ²/NDF:15677585.1/54
Out: 0.000+/-0.000 χ²/NDF:17653647.5/57
All: 0.000+/-0.000 χ²/NDF: 33380882.4/112



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: 3760.592+/-409.395 χ^2/NDF: 28.0/33

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

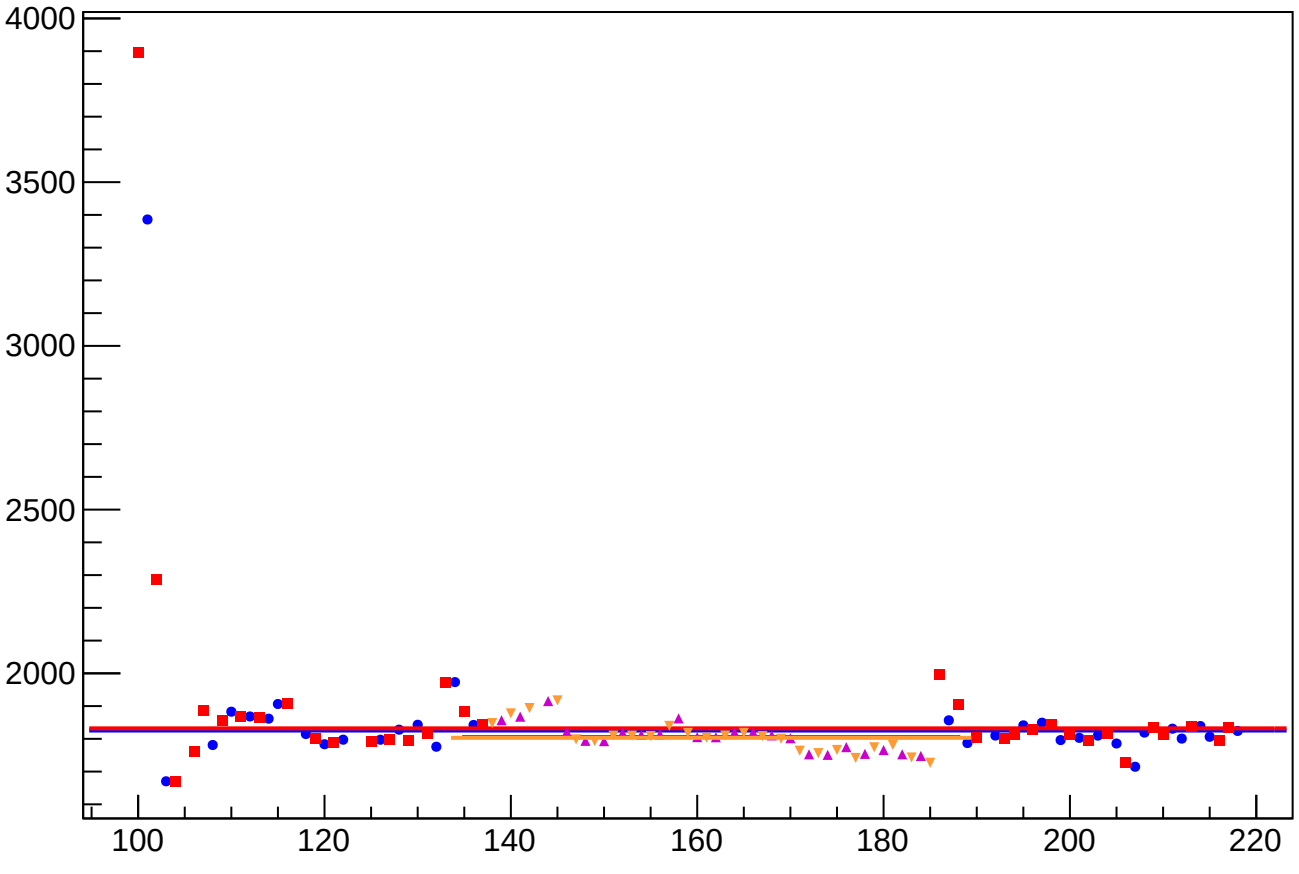
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4233.316+/-288.912 χ^2/NDF: 43.7/65

In: 4679.549+/-293.138 χ^2/NDF:40.7/54

Out: 3480.246+/-292.693 χ^2/NDF:48.8/57

All: 4078.986+/-207.122 χ^2/NDF: 97.9/112



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: 1832.012+/-0.289 χ^2/NDF: 122213.2/33

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

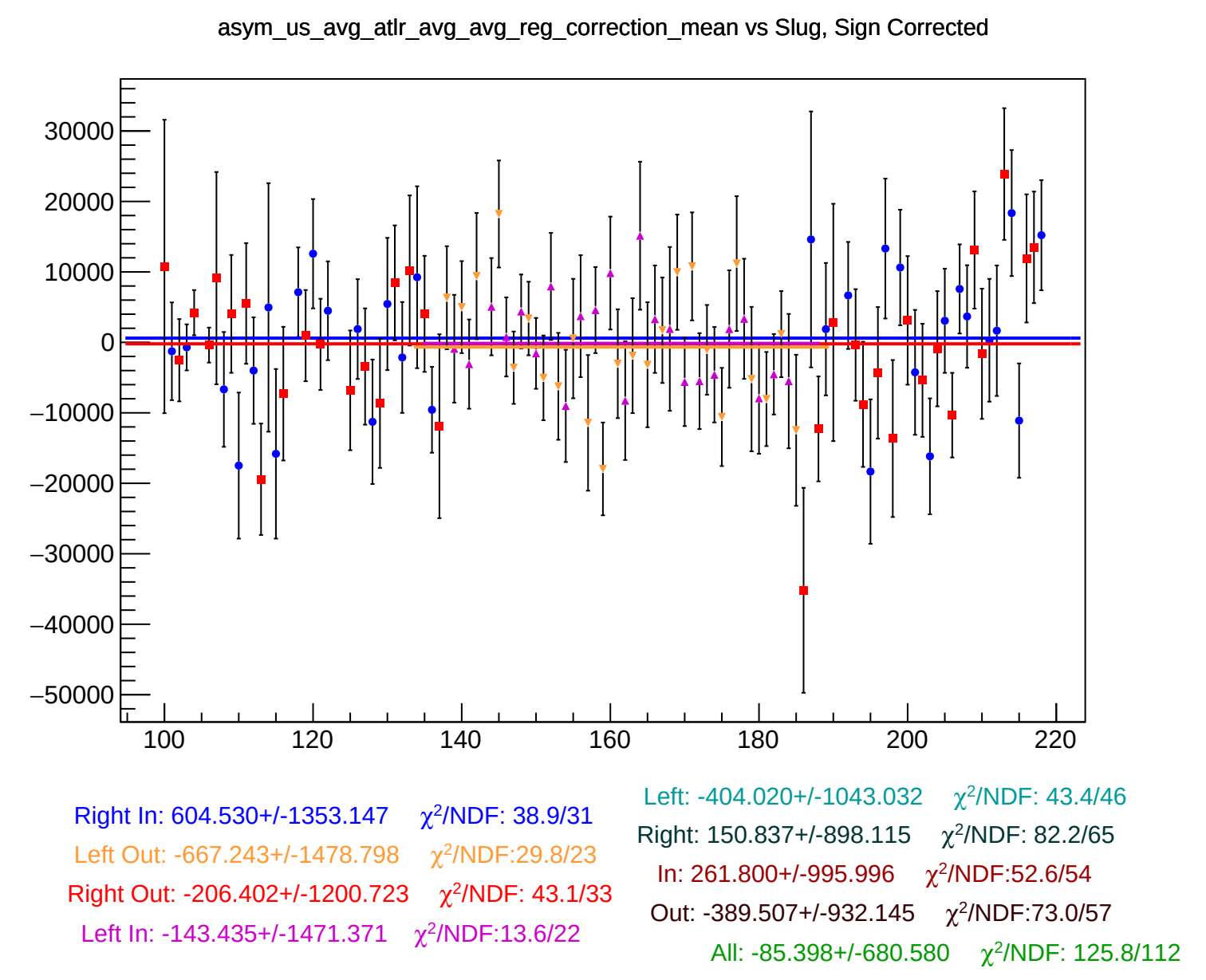
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1828.687+/-0.204 χ^2/NDF: 430406.6/65

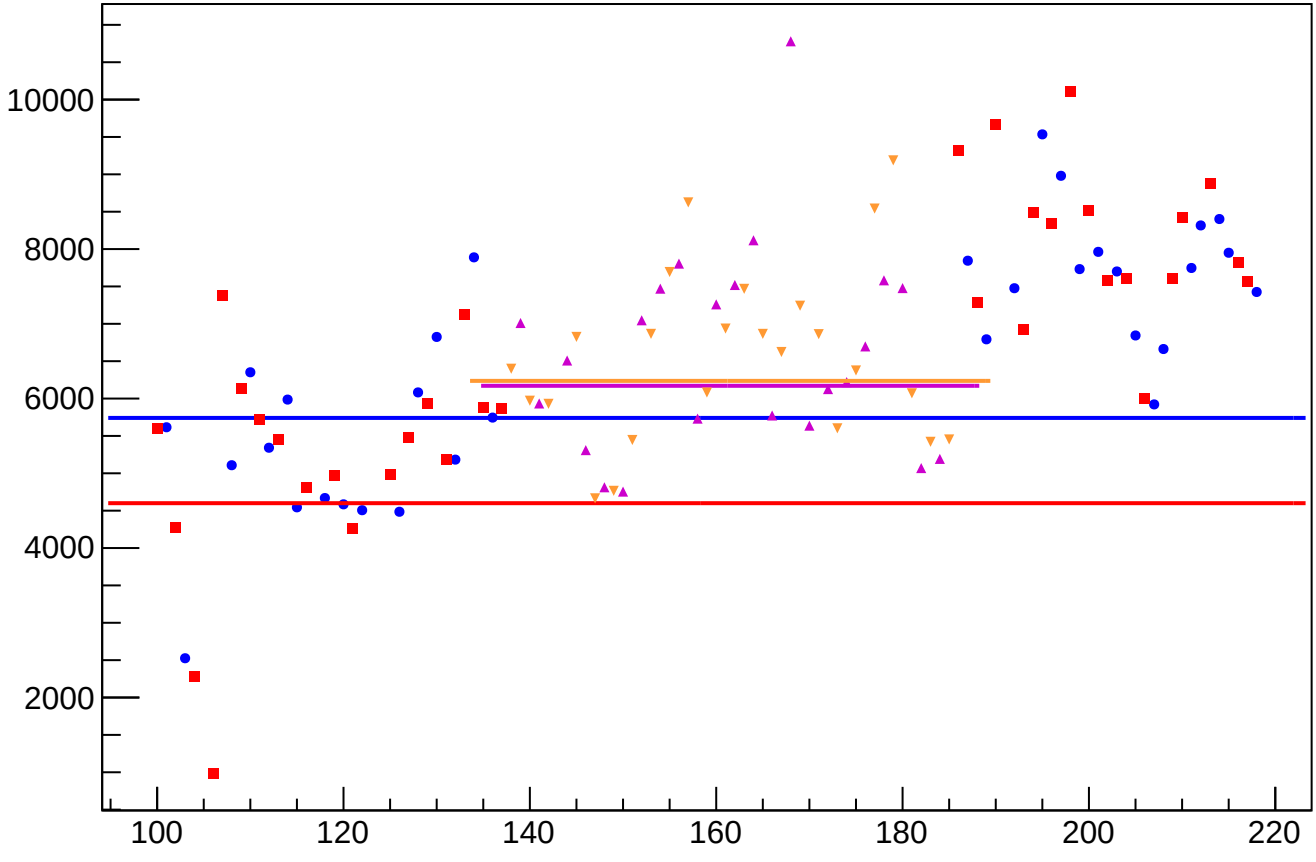
In: 1815.803+/-0.207 χ^2/NDF:329528.6/54

Out: 1817.900+/-0.207 χ^2/NDF:147730.5/57

All: 1816.854+/-0.146 χ^2/NDF: 477310.5/112


asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 604.530+/-1353.147 χ²/NDF: 38.9/31
Left Out: -667.243+/-1478.798 χ²/NDF:29.8/23
Right Out: -206.402+/-1200.723 χ²/NDF: 43.1/33
Left In: -143.435+/-1471.371 χ²/NDF:13.6/22
Left: -404.020+/-1043.032 χ²/NDF: 43.4/46
Right: 150.837+/-898.115 χ²/NDF: 82.2/65
In: 261.800+/-995.996 χ²/NDF:52.6/54
Out: -389.507+/-932.145 χ²/NDF:73.0/57
All: -85.398+/-680.580 χ²/NDF: 125.8/112

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 5741.007+/-0.957 χ^2/NDF: 4060841.0/31

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4600.210+/-0.849 χ^2/NDF: 10368256.4/33

Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

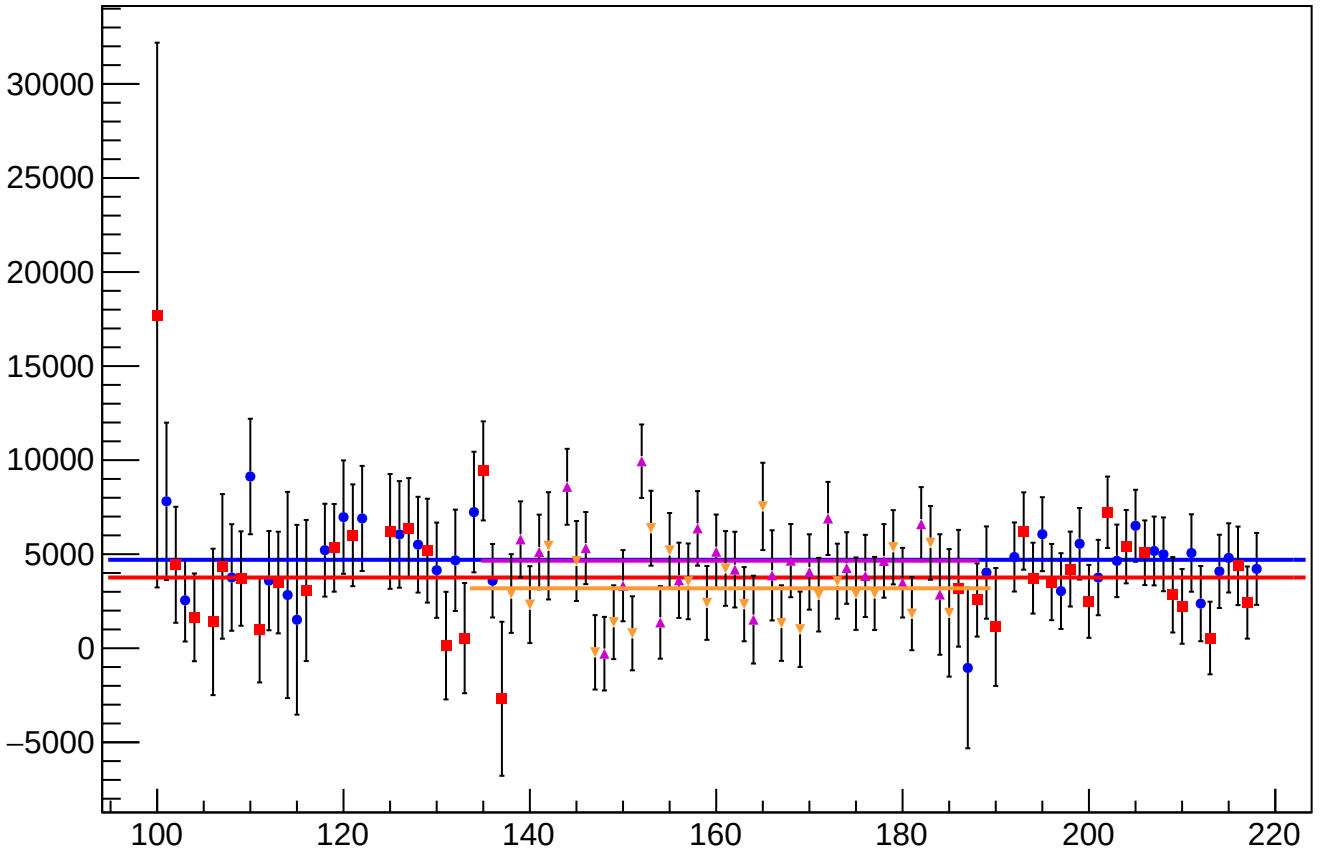
Left: 6203.548+/-0.738 χ^2/NDF: 2307206.4/46

Right: 5102.763+/-0.635 χ^2/NDF: 15224405.0/65

In: 5937.941+/-0.704 χ^2/NDF:5390846.8/54

Out: 5250.407+/-0.659 χ^2/NDF:12911915.9/57

All: 5571.431+/-0.481 χ^2/NDF: 18810799.2/1



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: 3760.522+/-409.395 χ^2/NDF: 28.0/33

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

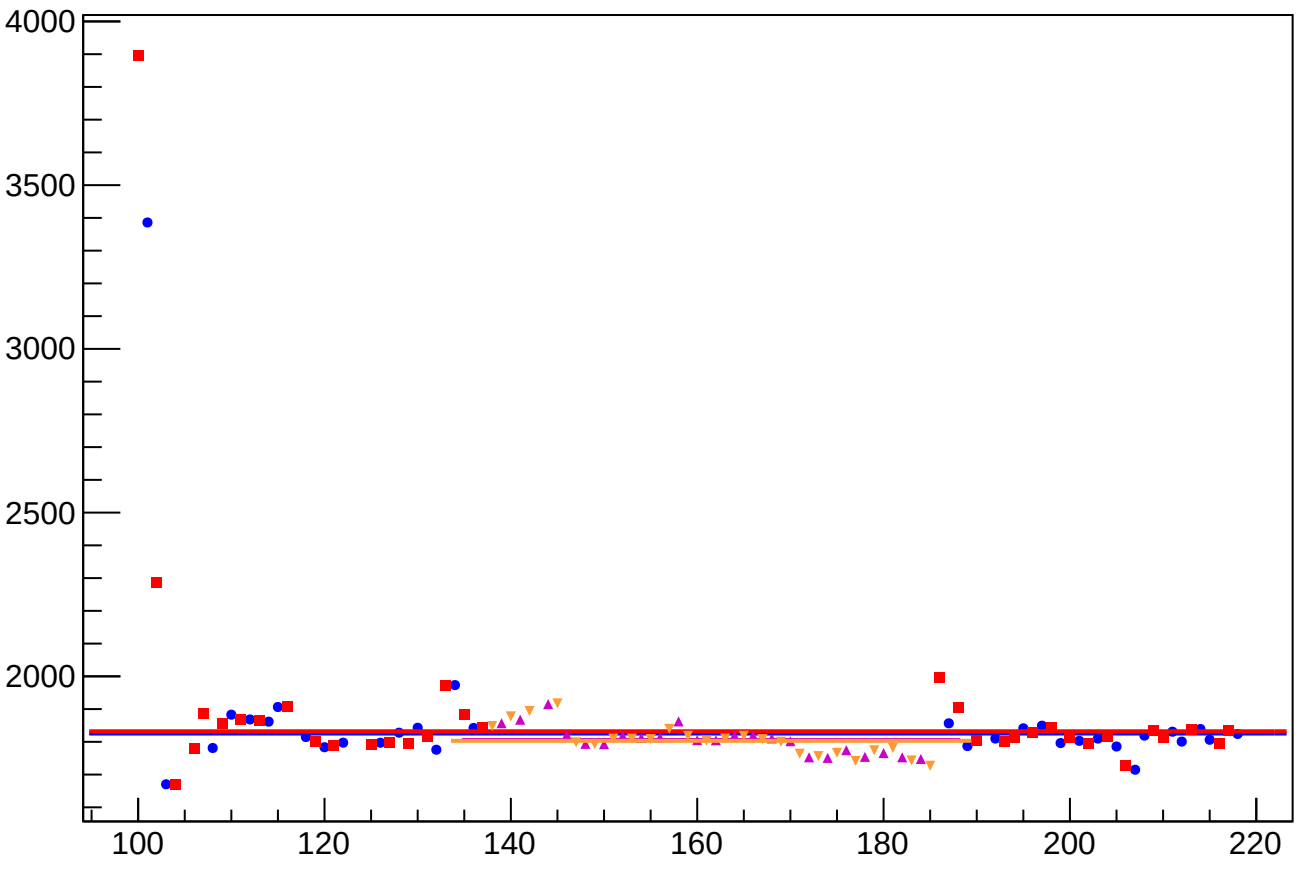
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4233.192+/-288.912 χ^2/NDF: 43.7/65

In: 4679.466+/-293.138 χ^2/NDF:40.7/54

Out: 3480.176+/-292.693 χ^2/NDF:48.8/57

All: 4078.910+/-207.122 χ^2/NDF: 97.9/112



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: 1832.252+/-0.289 χ^2/NDF: 121869.1/33

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

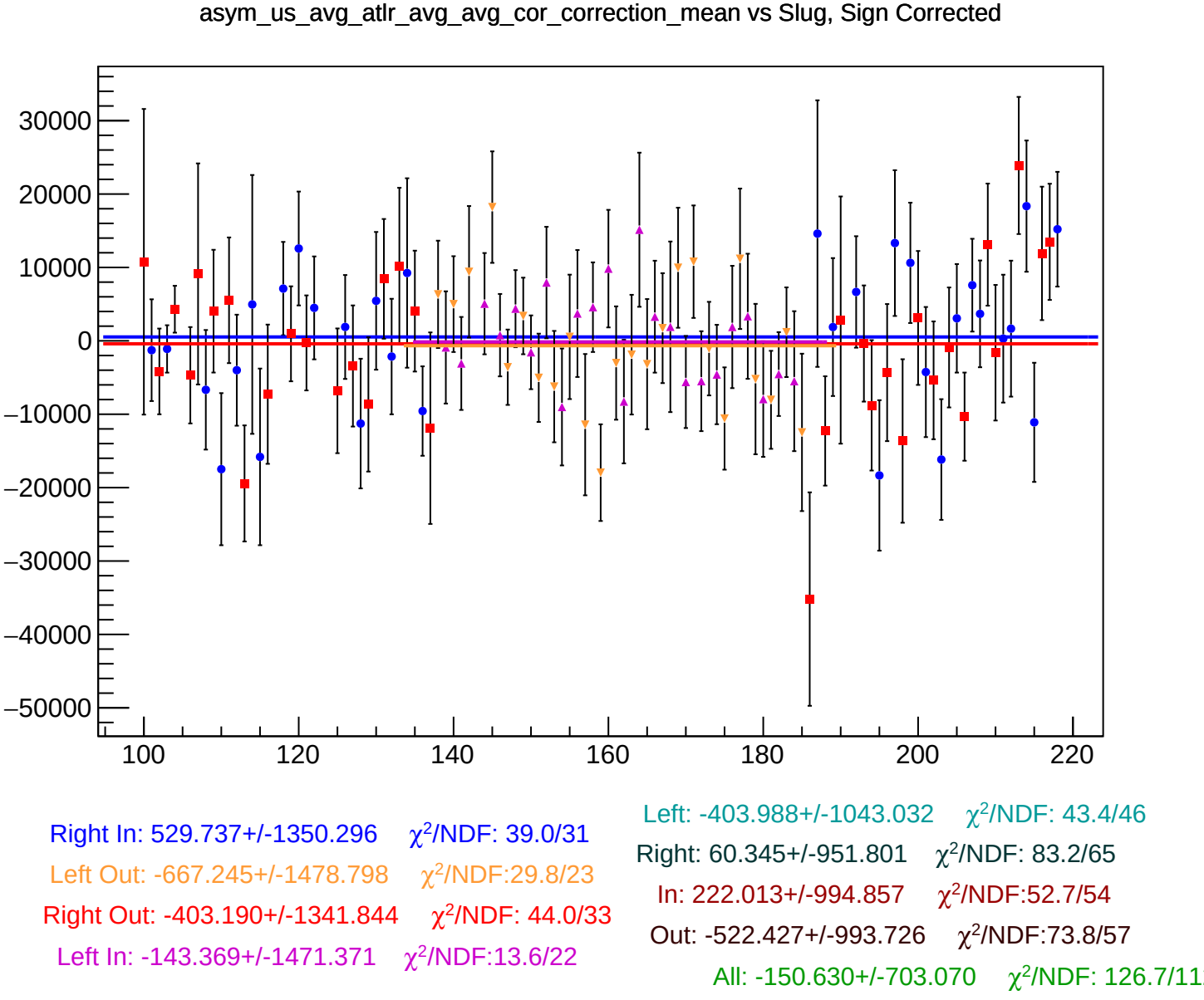
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

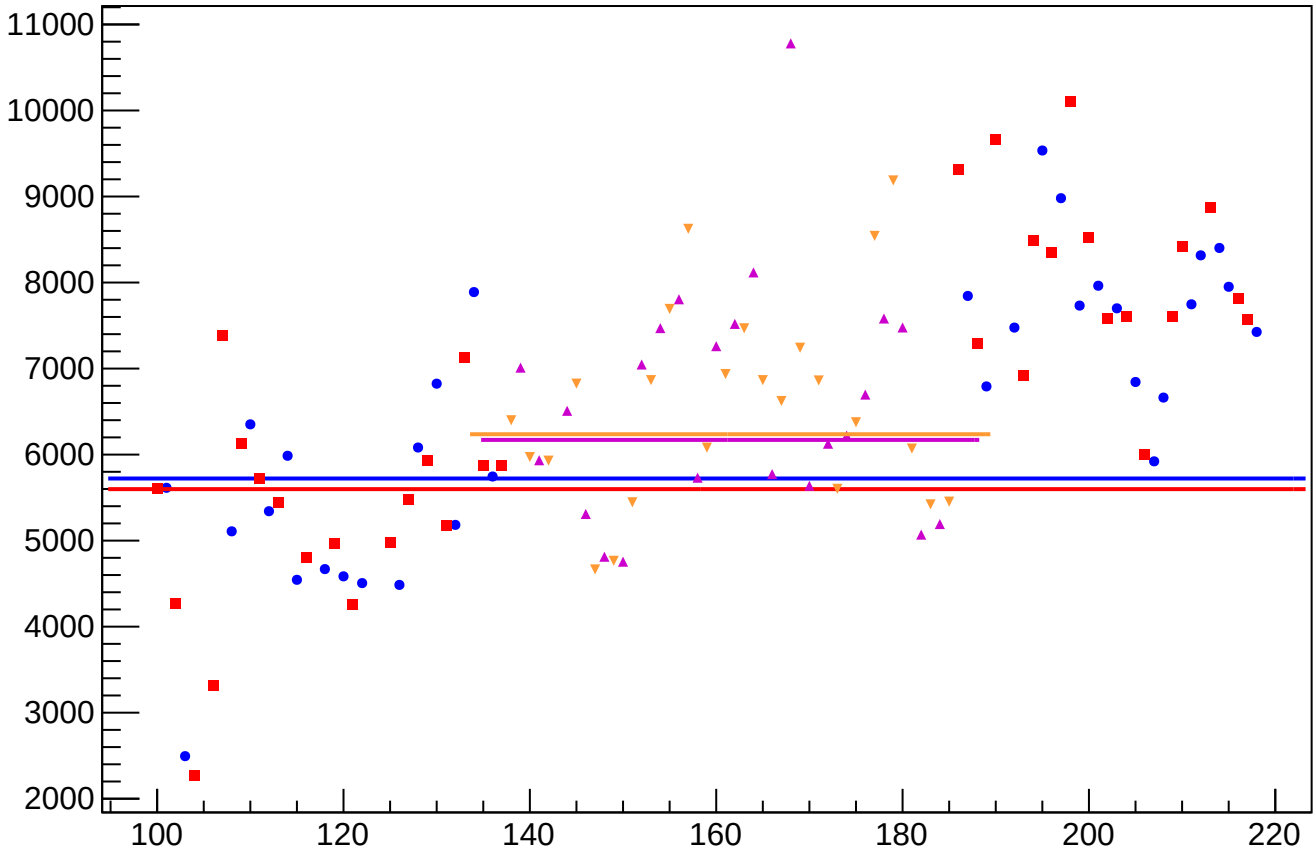
Right: 1828.807+/-0.204 χ^2/NDF: 430083.7/65

In: 1815.803+/-0.207 χ^2/NDF:329530.5/54

Out: 1818.022+/-0.207 χ^2/NDF:147467.4/57

All: 1816.915+/-0.146 χ^2/NDF: 477055.2/112


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: -403.190+/-1341.844 χ²/NDF: 44.0/33
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: 60.345+/-951.801 χ²/NDF: 83.2/65
In: 222.013+/-994.857 χ²/NDF:52.7/54
Out: -522.427+/-993.726 χ²/NDF:73.8/57
All: -150.630+/-703.070 χ²/NDF: 126.7/112



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: 5598.538+/-0.949 χ^2/NDF: 5104456.7/33

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

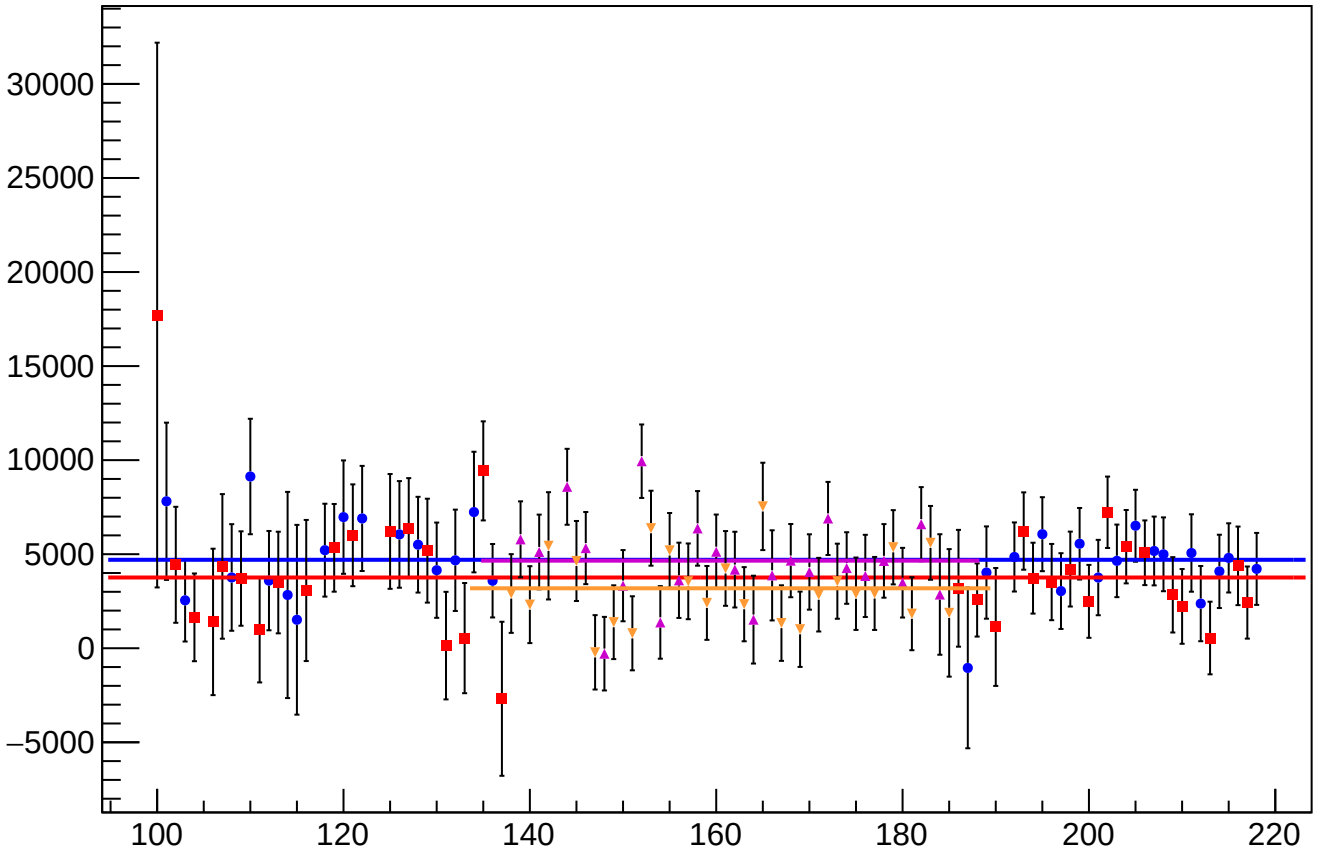
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5659.917+/-0.673 χ^2/NDF: 9259115.8/65

In: 5927.211+/-0.703 χ^2/NDF:5484772.1/54

Out: 5886.677+/-0.703 χ^2/NDF:6376349.8/57

All: 5906.921+/-0.497 χ^2/NDF: 11862783.8/1



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: 3760.522+/-409.395 χ^2/NDF: 28.0/33

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

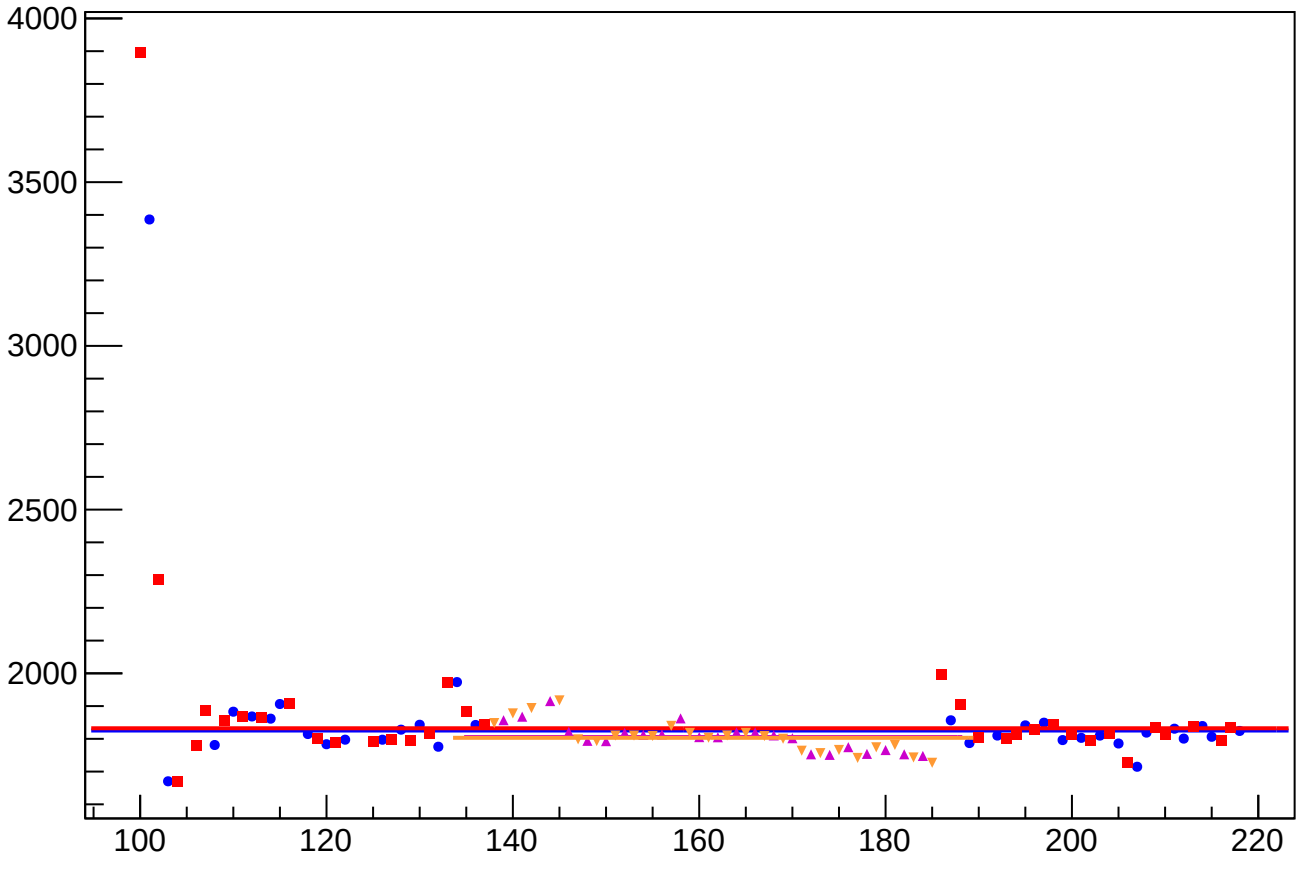
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4233.192+/-288.912 χ^2/NDF: 43.7/65

In: 4679.466+/-293.138 χ^2/NDF:40.7/54

Out: 3480.176+/-292.693 χ^2/NDF:48.8/57

All: 4078.910+/-207.122 χ^2/NDF: 97.9/112



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: 1832.252+/-0.289 χ^2/NDF: 121869.1/33

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

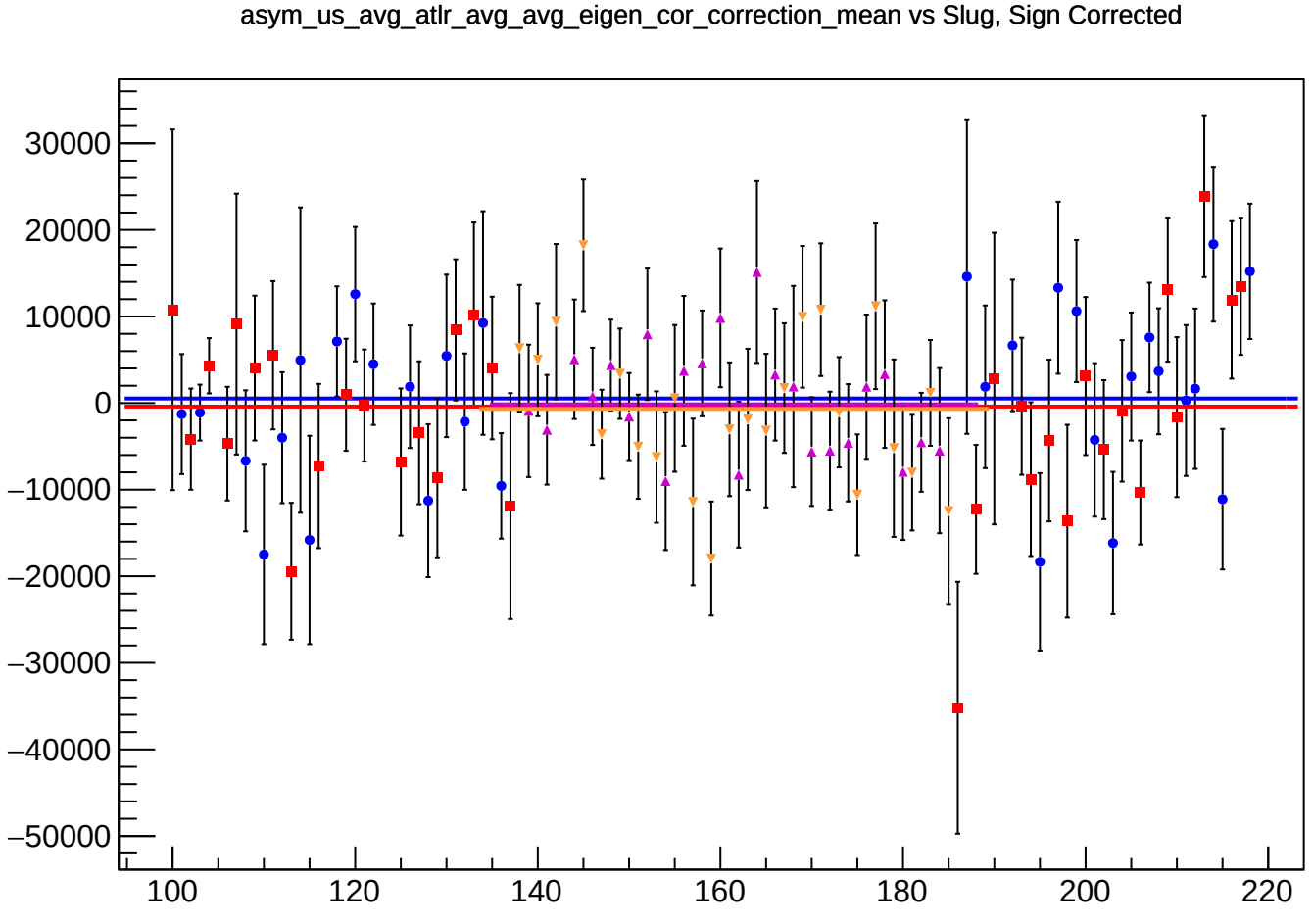
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1828.807+/-0.204 χ^2/NDF: 430083.7/65

In: 1815.803+/-0.207 χ^2/NDF:329530.5/54

Out: 1818.022+/-0.207 χ^2/NDF:147467.4/57

All: 1816.915+/-0.146 χ^2/NDF: 477055.2/112



Right In: 529.737+/-1350.296 χ^2/NDF: 39.0/31

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -403.190+/-1341.844 χ^2/NDF: 44.0/33

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

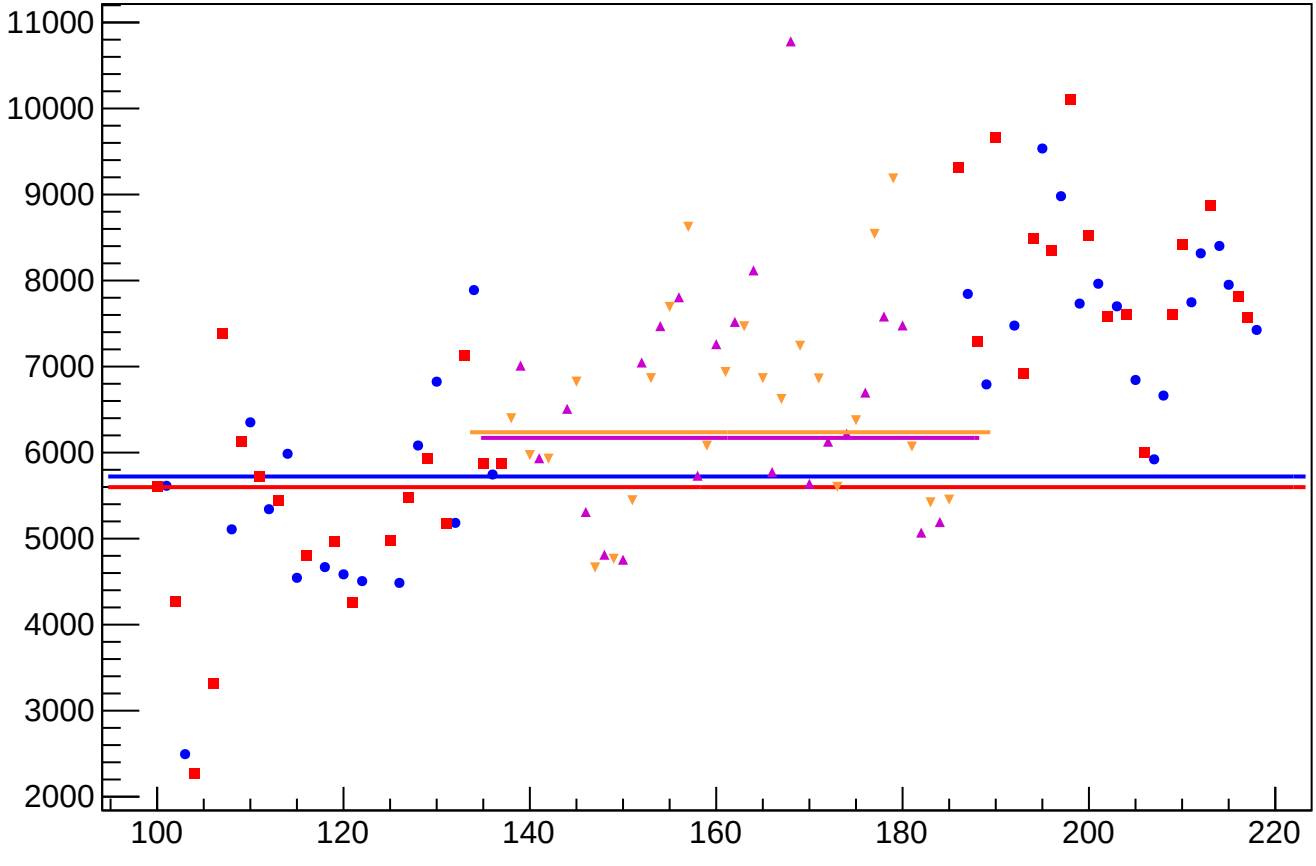
Right: 60.345+/-951.801 χ^2/NDF: 83.2/65

In: 222.013+/-994.857 χ^2/NDF:52.7/54

Out: -522.427+/-993.726 χ^2/NDF:73.8/57

All: -150.630+/-703.070 χ^2/NDF: 126.7/112

asym_us_avg_atlr_avg_avg_eigen_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: 5598.538+/-0.949 χ^2/NDF: 5104456.7/33

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

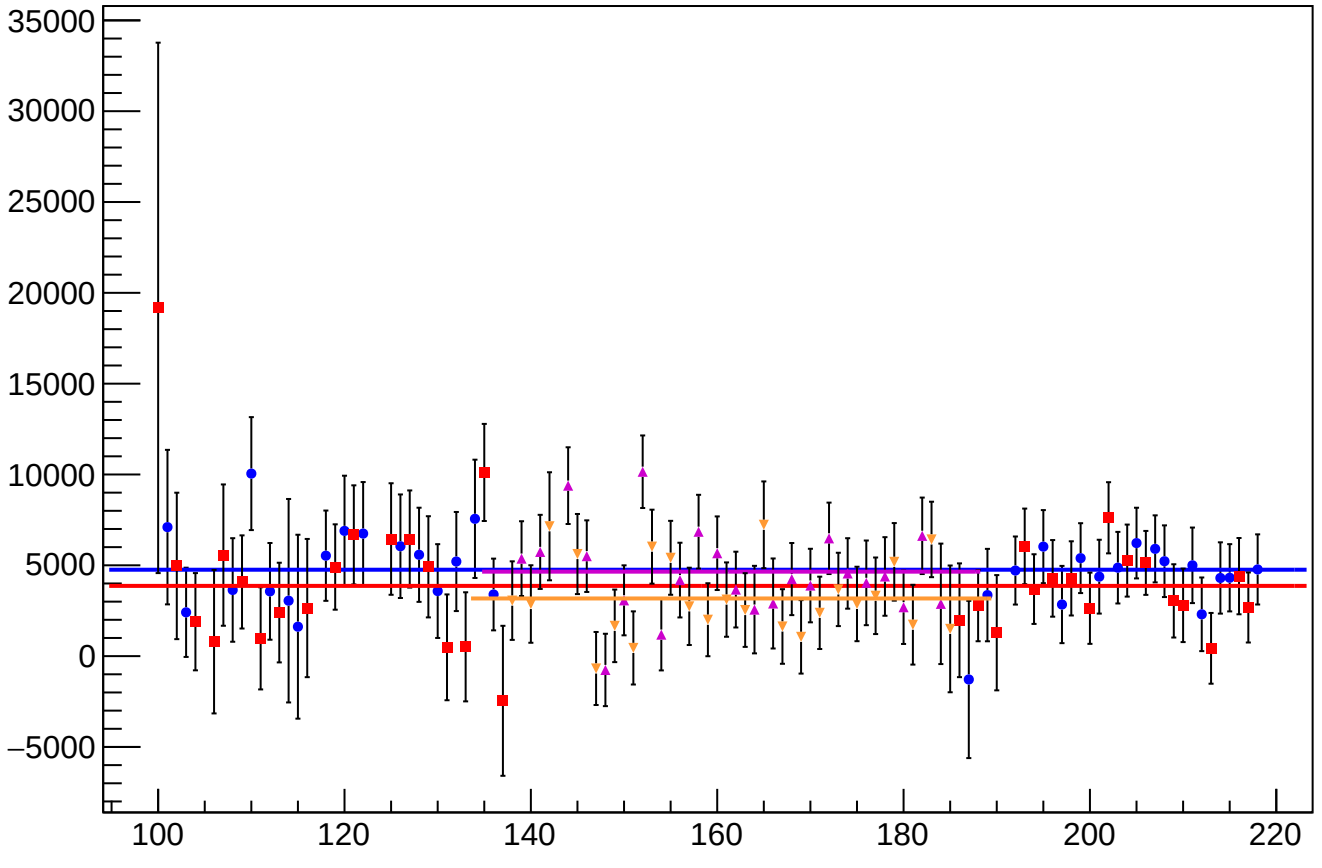
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5659.917+/-0.673 χ^2/NDF: 9259115.8/65

In: 5927.211+/-0.703 χ^2/NDF:5484772.1/54

Out: 5886.677+/-0.703 χ^2/NDF:6376349.8/57

All: 5906.921+/-0.497 χ^2/NDF: 11862783.8/1



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: 3867.024+/-418.427 χ^2/NDF: 29.0/33

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

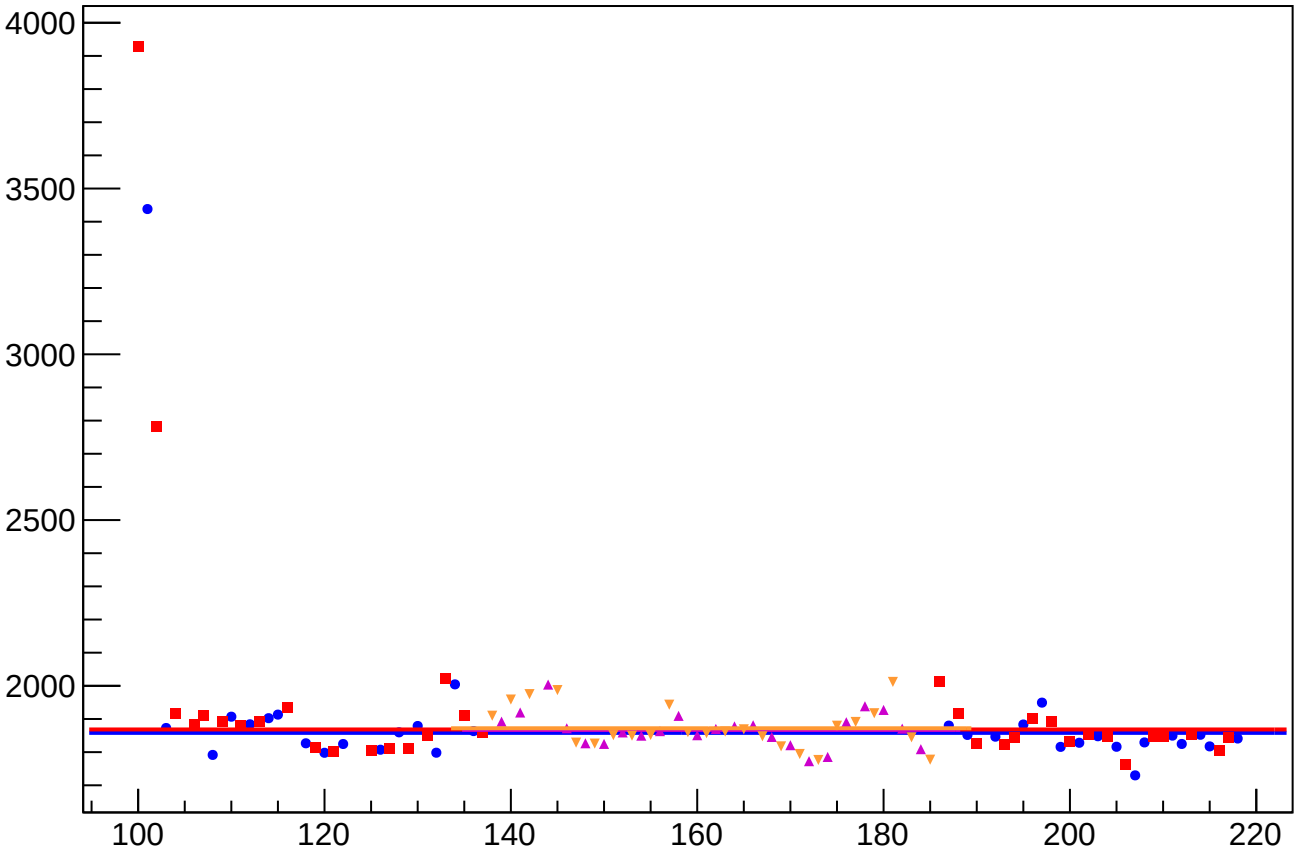
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4315.494+/-294.722 χ^2/NDF: 45.3/65

In: 4706.384+/-300.736 χ^2/NDF:44.6/54

Out: 3534.082+/-301.500 χ^2/NDF:51.9/57

All: 4121.720+/-212.922 χ^2/NDF: 104.0/112



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: 1868.403+/-0.296 χ^2/NDF: 173629.1/33

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

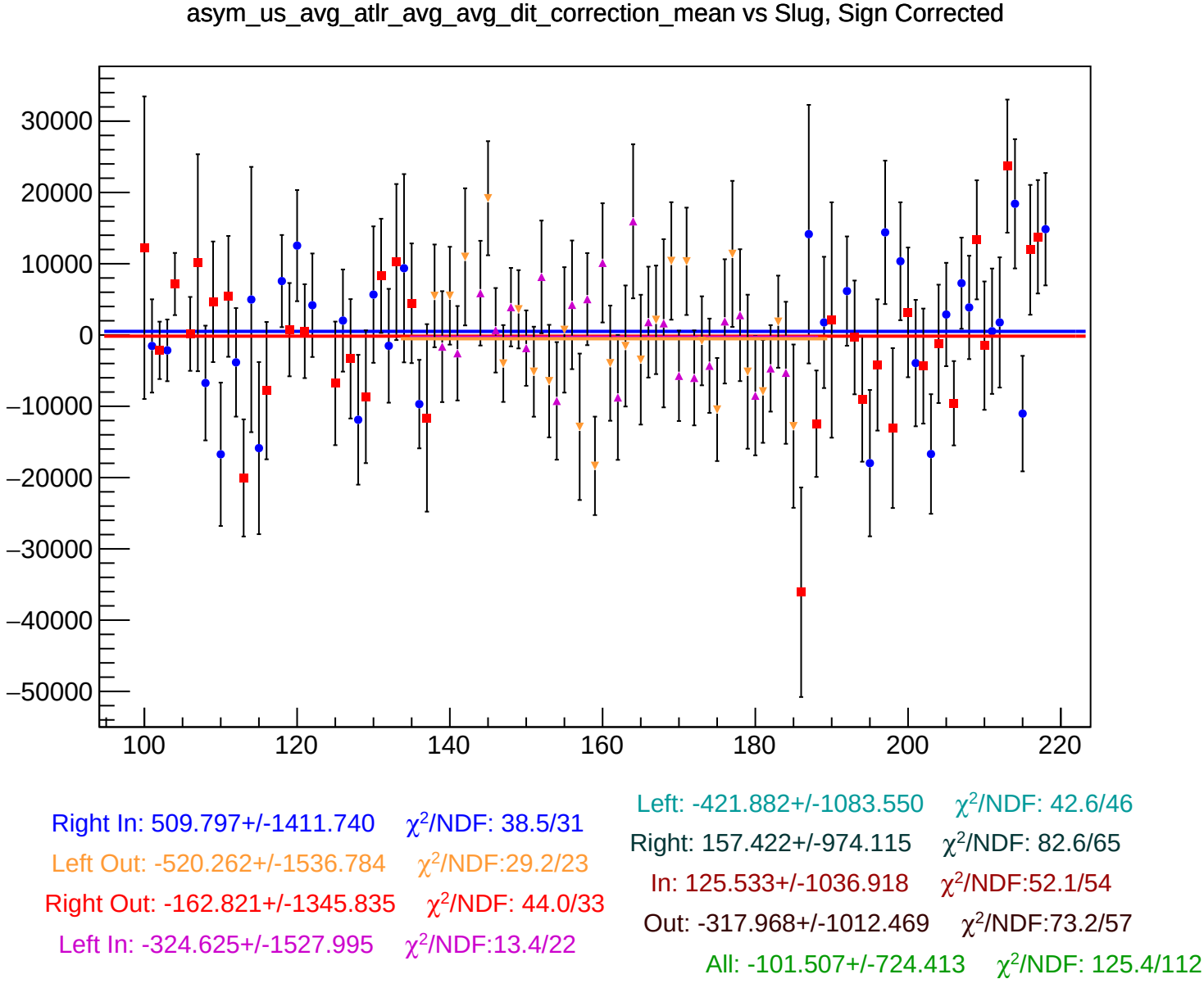
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

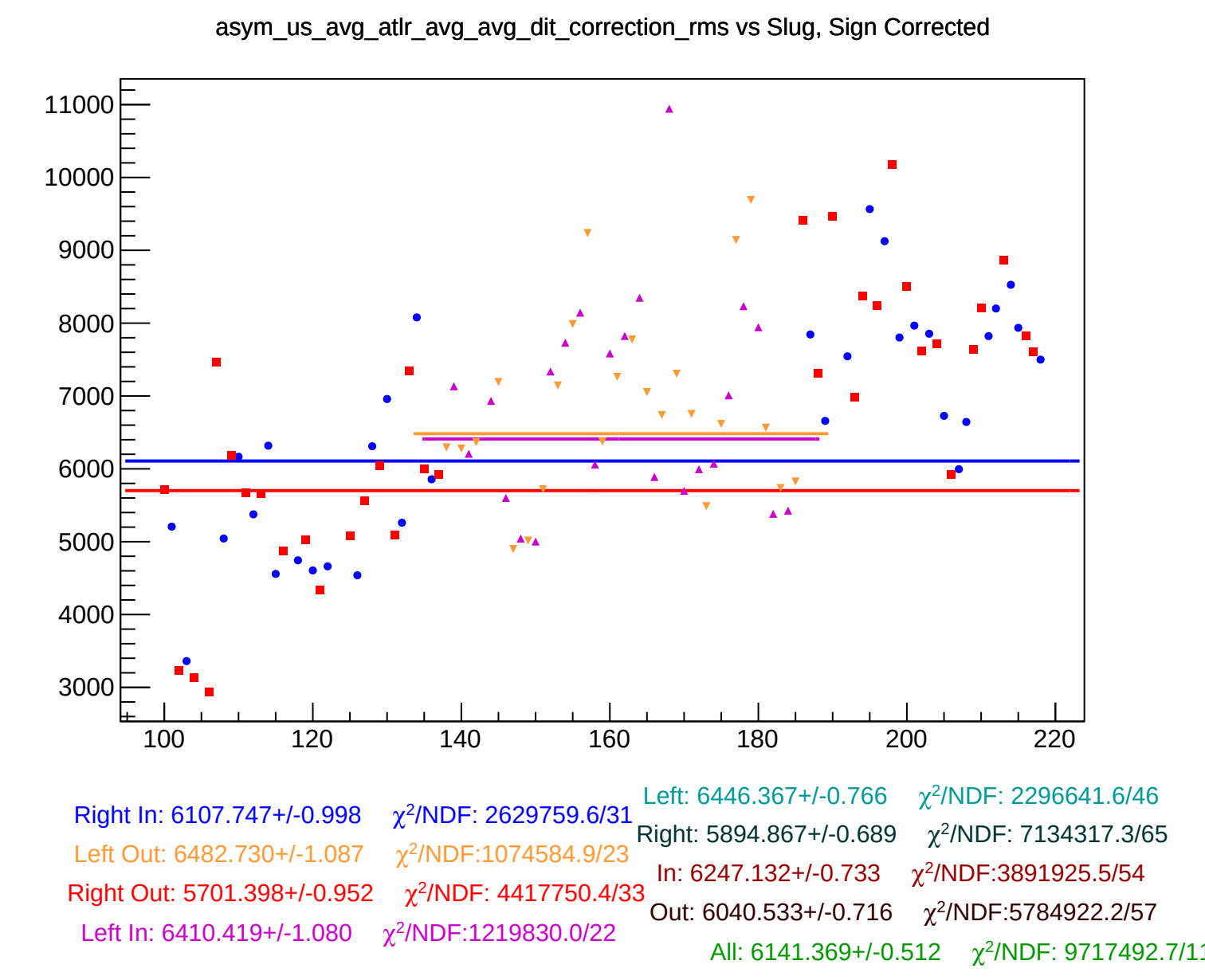
Right: 1863.251+/-0.208 χ^2/NDF: 477901.8/65

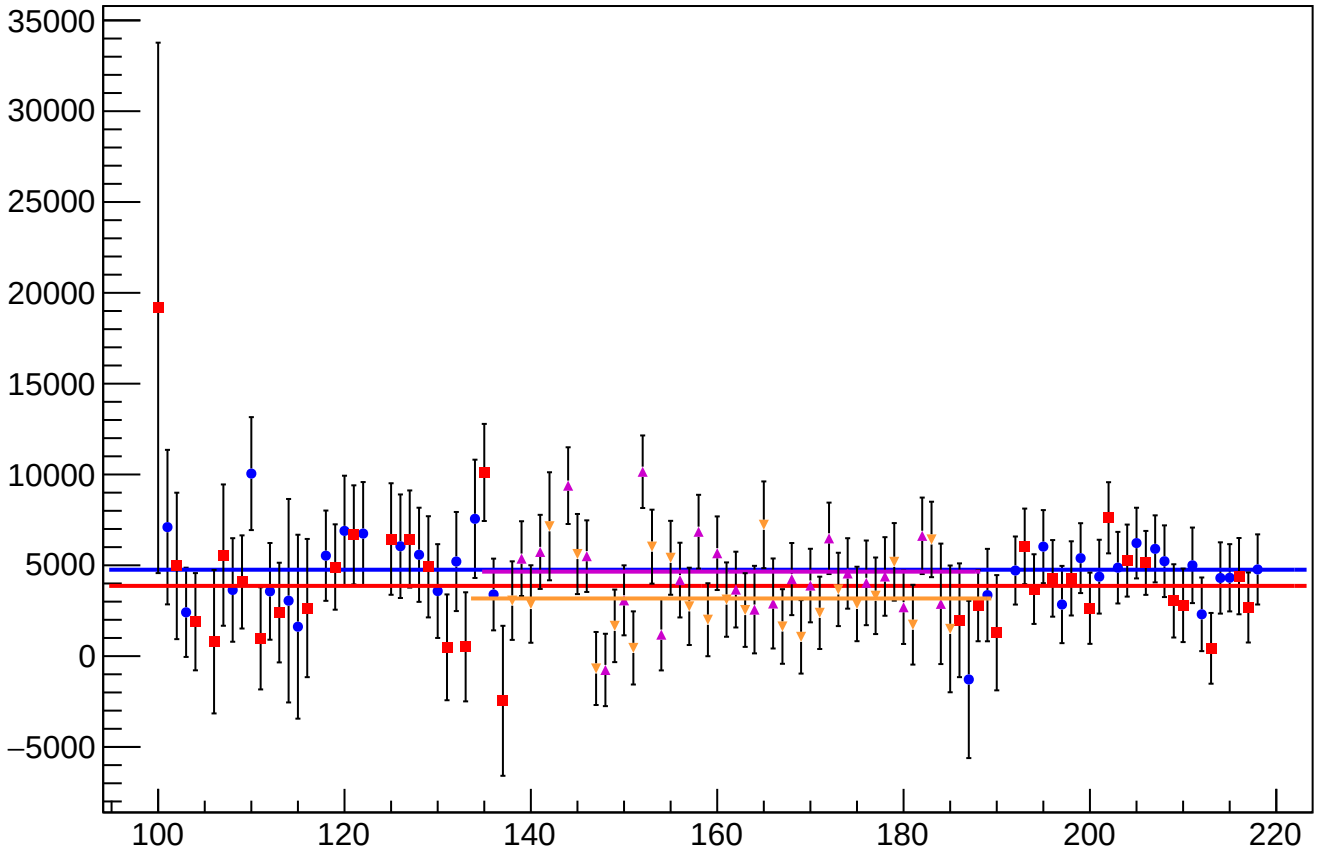
In: 1862.407+/-0.213 χ^2/NDF:331354.2/54

Out: 1870.122+/-0.213 χ^2/NDF:210854.2/57

All: 1866.256+/-0.151 χ^2/NDF: 542864.9/112


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: -162.821+/-1345.835 χ²/NDF: 44.0/33
Left In: -324.625+/-1527.995 χ²/NDF:13.4/22
Left: -421.882+/-1083.550 χ²/NDF: 42.6/46
Right: 157.422+/-974.115 χ²/NDF: 82.6/65
In: 125.533+/-1036.918 χ²/NDF:52.1/54
Out: -317.968+/-1012.469 χ²/NDF:73.2/57
All: -101.507+/-724.413 χ²/NDF: 125.4/112


asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
220
Right In: 6107.747+/-0.998 χ²/NDF: 2629759.6/31
Left Out: 6482.730+/-1.087 χ²/NDF:1074584.9/23
Right Out: 5701.398+/-0.952 χ²/NDF: 4417750.4/33
Left In: 6410.419+/-1.080 χ²/NDF:1219830.0/22
Left: 6446.367+/-0.766 χ²/NDF: 2296641.6/46
Right: 5894.867+/-0.689 χ²/NDF: 7134317.3/65
In: 6247.132+/-0.733 χ²/NDF:3891925.5/54
Out: 6040.533+/-0.716 χ²/NDF:5784922.2/57
All: 6141.369+/-0.512 χ²/NDF: 9717492.7/11



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: 3867.023+/-418.427 χ^2/NDF: 29.0/33

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

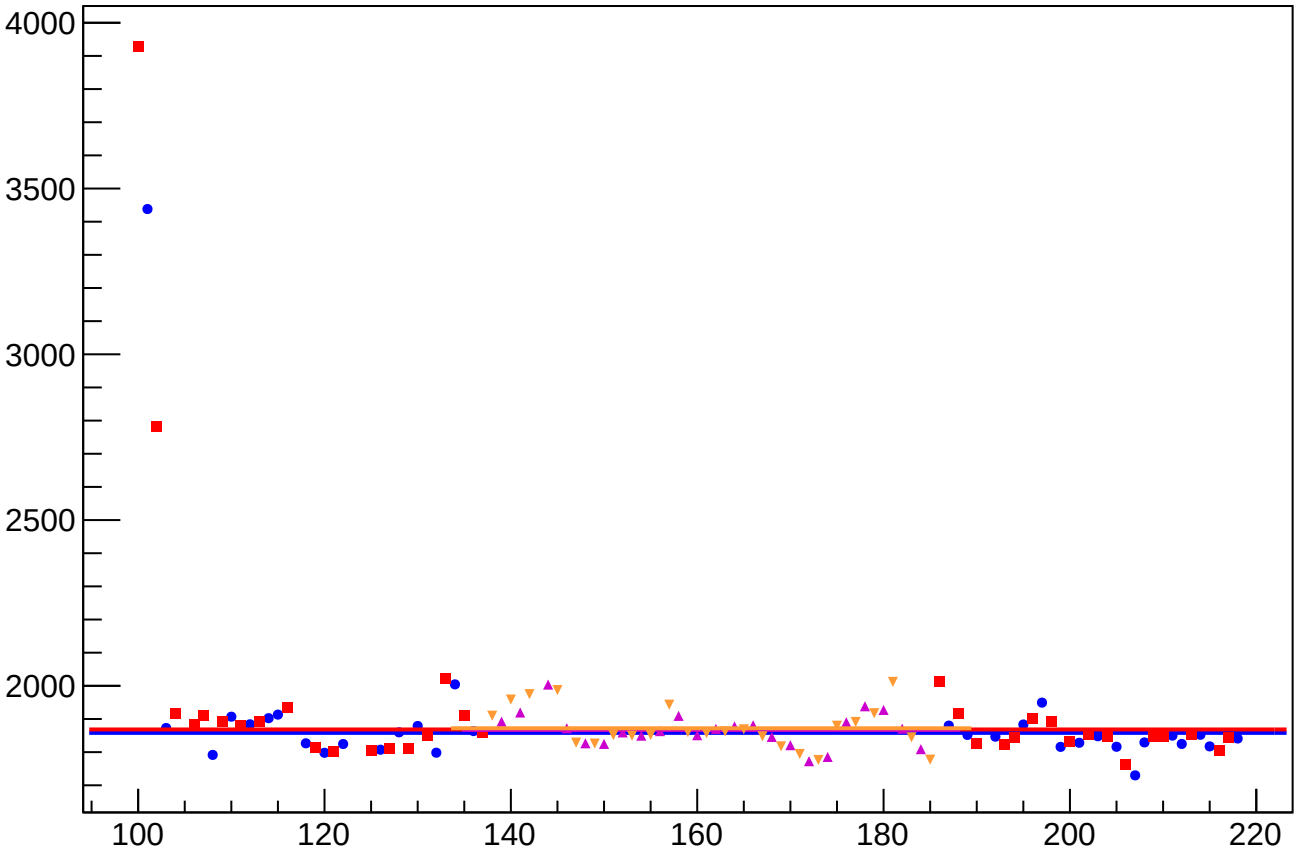
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4315.491+/-294.722 χ^2/NDF: 45.3/65

In: 4706.383+/-300.736 χ^2/NDF:44.6/54

Out: 3534.079+/-301.500 χ^2/NDF:51.9/57

All: 4121.717+/-212.922 χ^2/NDF: 104.0/112



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: 1868.403+/-0.296 χ^2/NDF: 173628.2/33

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

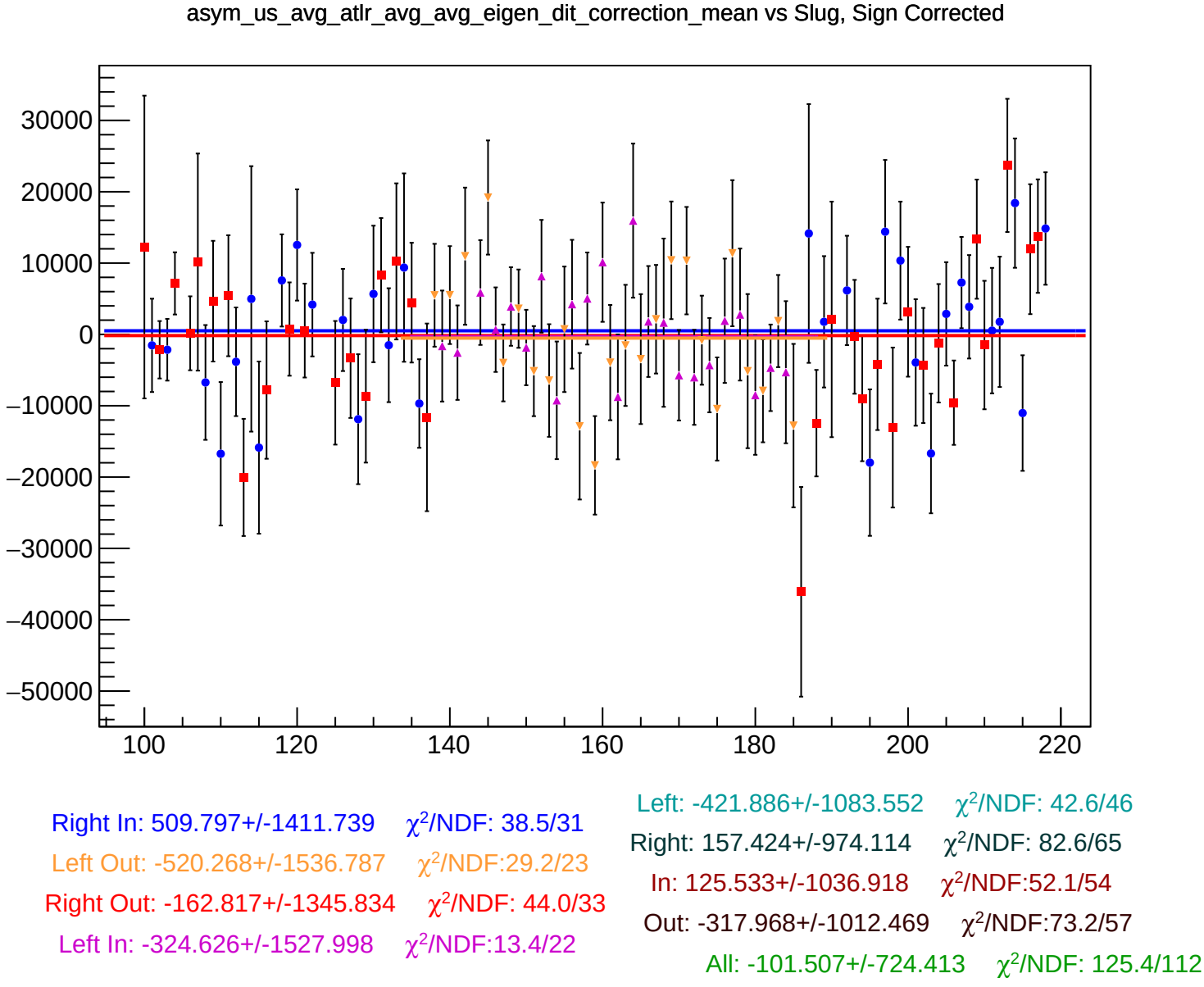
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1863.251+/-0.208 χ^2/NDF: 477901.0/65

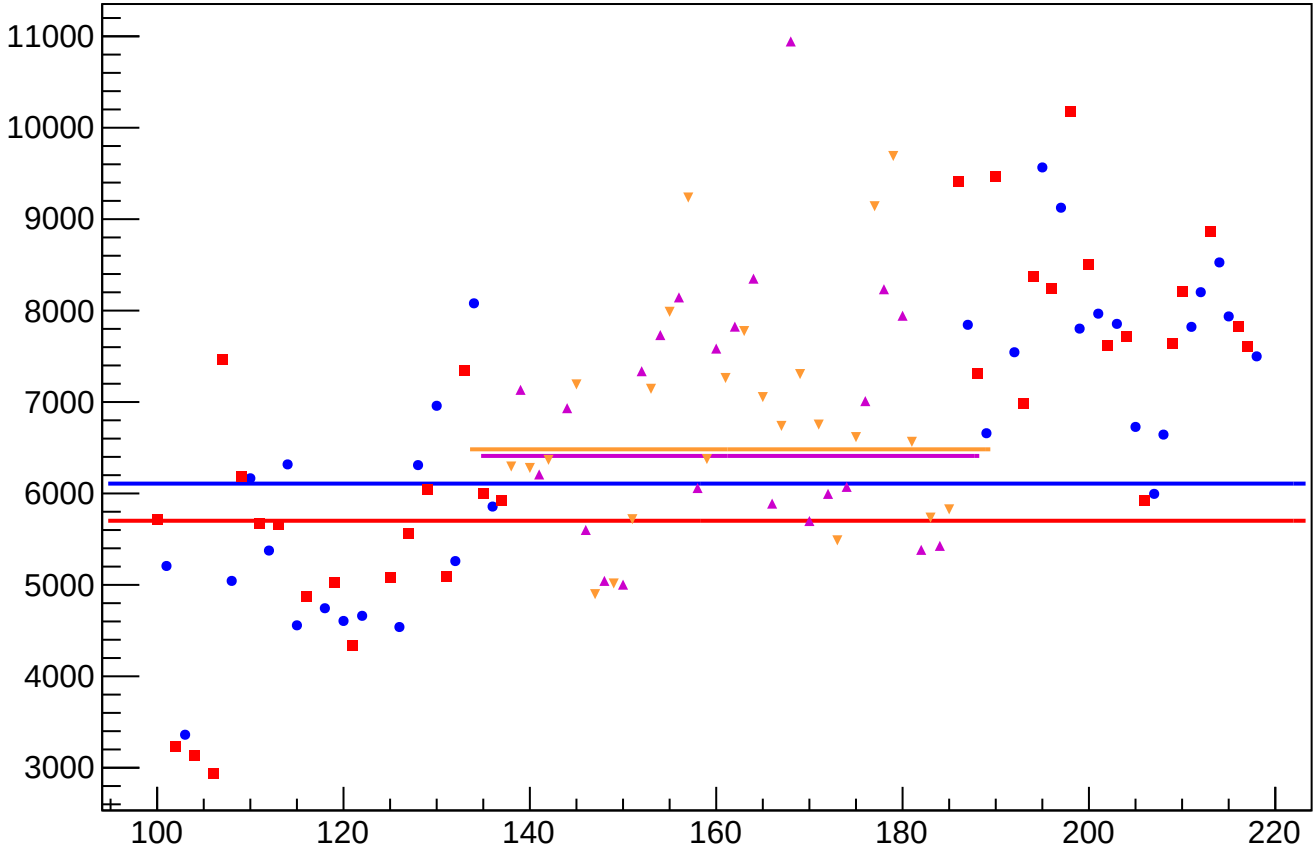
In: 1862.408+/-0.213 χ^2/NDF:331355.6/54

Out: 1870.123+/-0.213 χ^2/NDF:210854.4/57

All: 1866.256+/-0.151 χ^2/NDF: 542866.5/112


asym_us_avg_atlr_avg_avg_eigen_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+/-1411.739 χ²/NDF: 38.5/31
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: -162.817+/-1345.834 χ²/NDF: 44.0/33
Left In: -324.626+/-1527.998 χ²/NDF:13.4/22
Left: -421.886+/-1083.552 χ²/NDF: 42.6/46
Right: 157.424+/-974.114 χ²/NDF: 82.6/65
In: 125.533+/-1036.918 χ²/NDF:52.1/54
Out: -317.968+/-1012.469 χ²/NDF:73.2/57
All: -101.507+/-724.413 χ²/NDF: 125.4/112

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: 5701.389+/-0.952 χ^2/NDF: 4417787.1/33

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

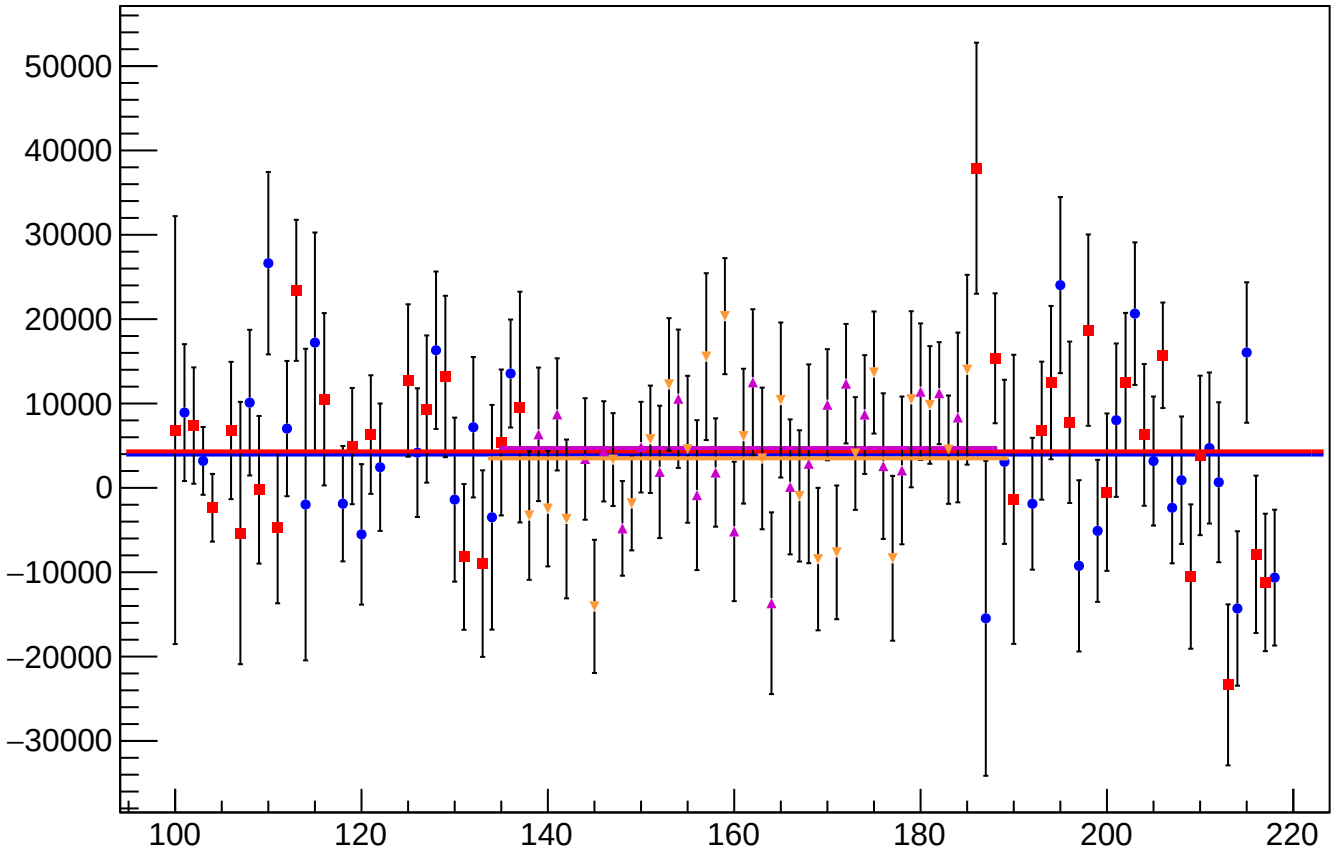
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5894.859+/-0.689 χ^2/NDF: 7134390.8/65

In: 6247.133+/-0.733 χ^2/NDF:3891968.8/54

Out: 6040.532+/-0.716 χ^2/NDF:5784975.7/57

All: 6141.368+/-0.512 χ^2/NDF: 9717590.4/11



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: 4321.766+/-1458.796 χ^2/NDF: 47.4/33

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

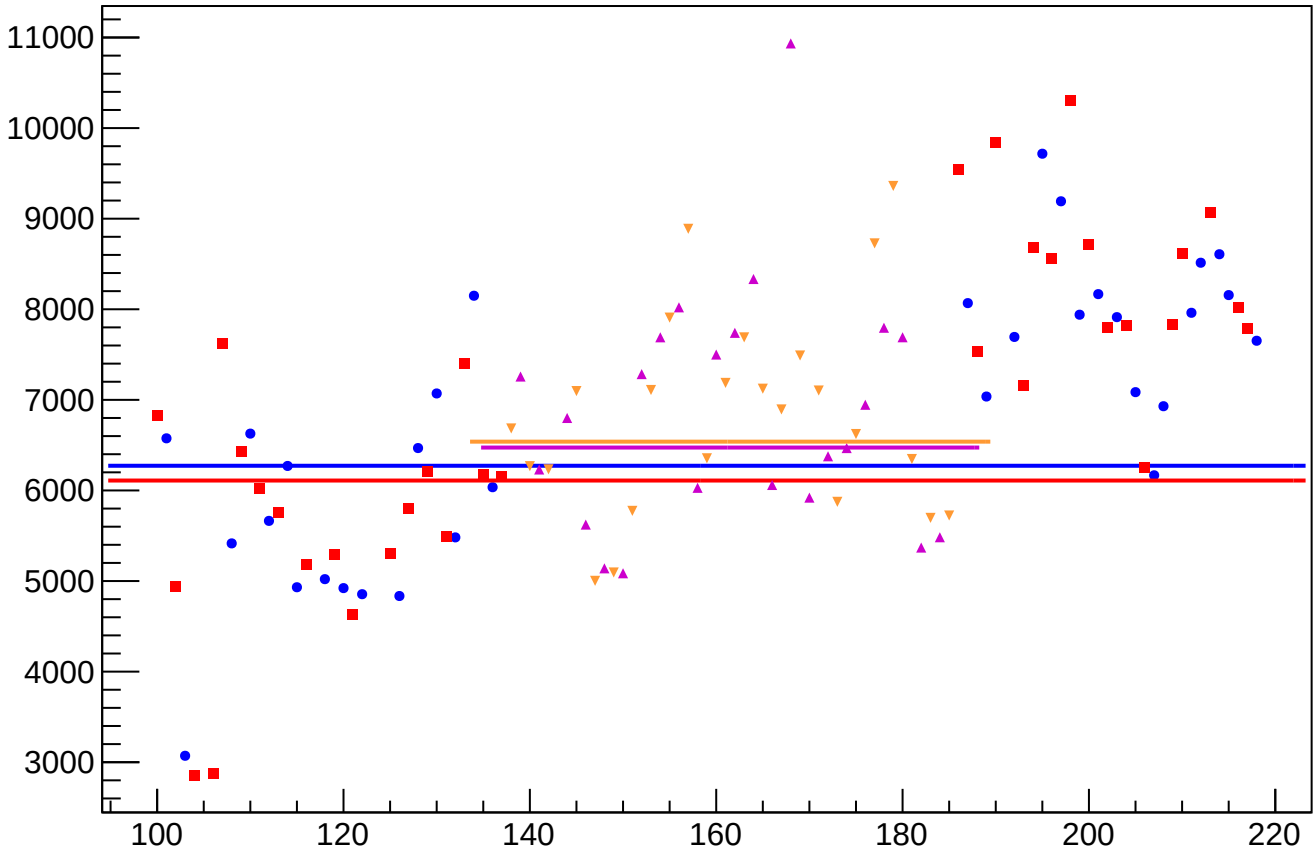
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

Right: 4135.093+/-1030.106 χ^2/NDF: 83.8/65

In: 4312.801+/-1057.267 χ^2/NDF:50.7/54

Out: 3933.332+/-1060.962 χ^2/NDF:75.0/57

All: 4123.729+/-748.904 χ^2/NDF: 125.8/112



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: 6109.487+/-1.019 χ^2/NDF: 3916269.7/33

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

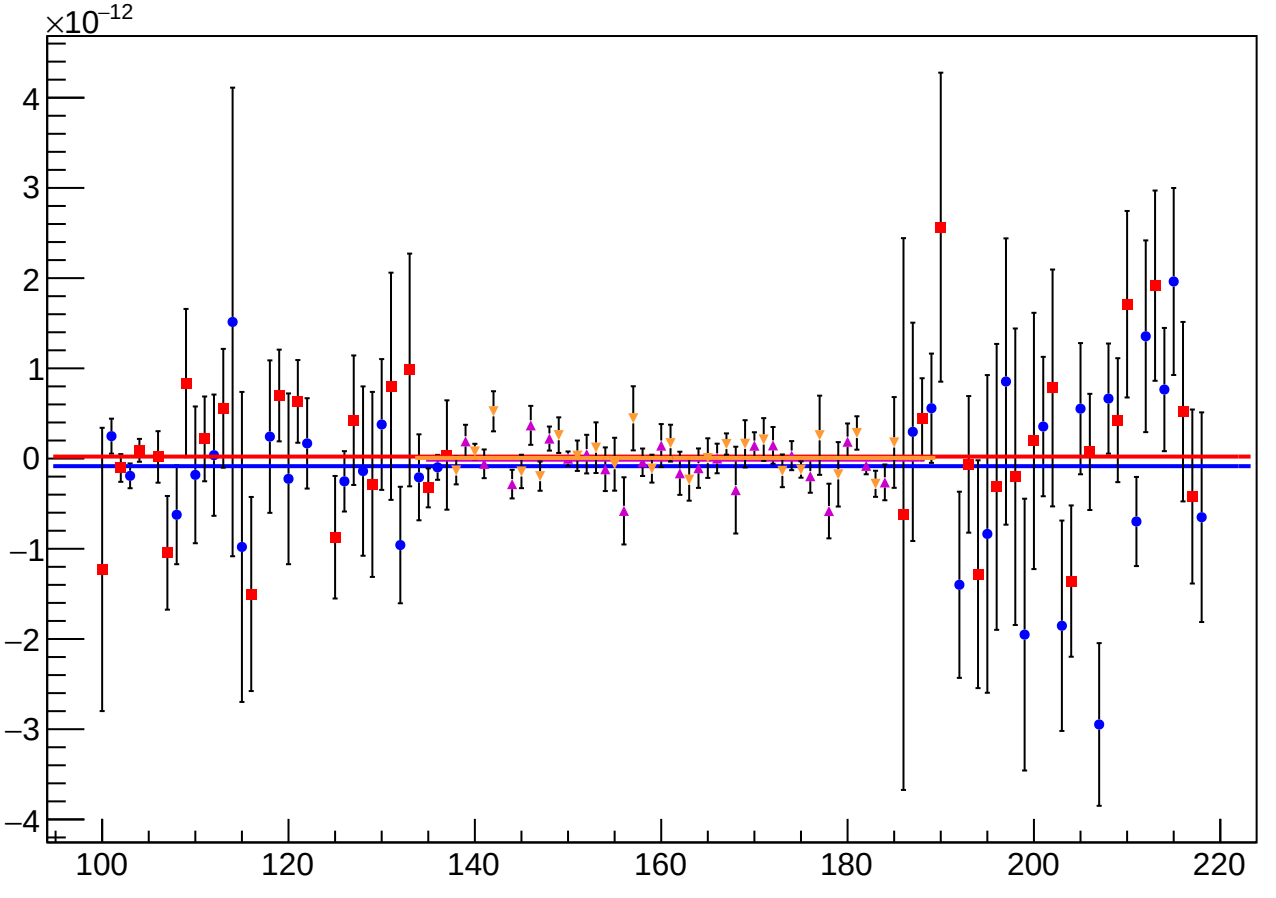
Right: 6190.284+/-0.724 χ^2/NDF: 6824778.6/65

In: 6367.362+/-0.748 χ^2/NDF:3985586.2/54

Out: 6309.143+/-0.746 χ^2/NDF:4919349.4/57

All: 6338.171+/-0.528 χ^2/NDF: 8907976.4/11

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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: 31.5/33

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

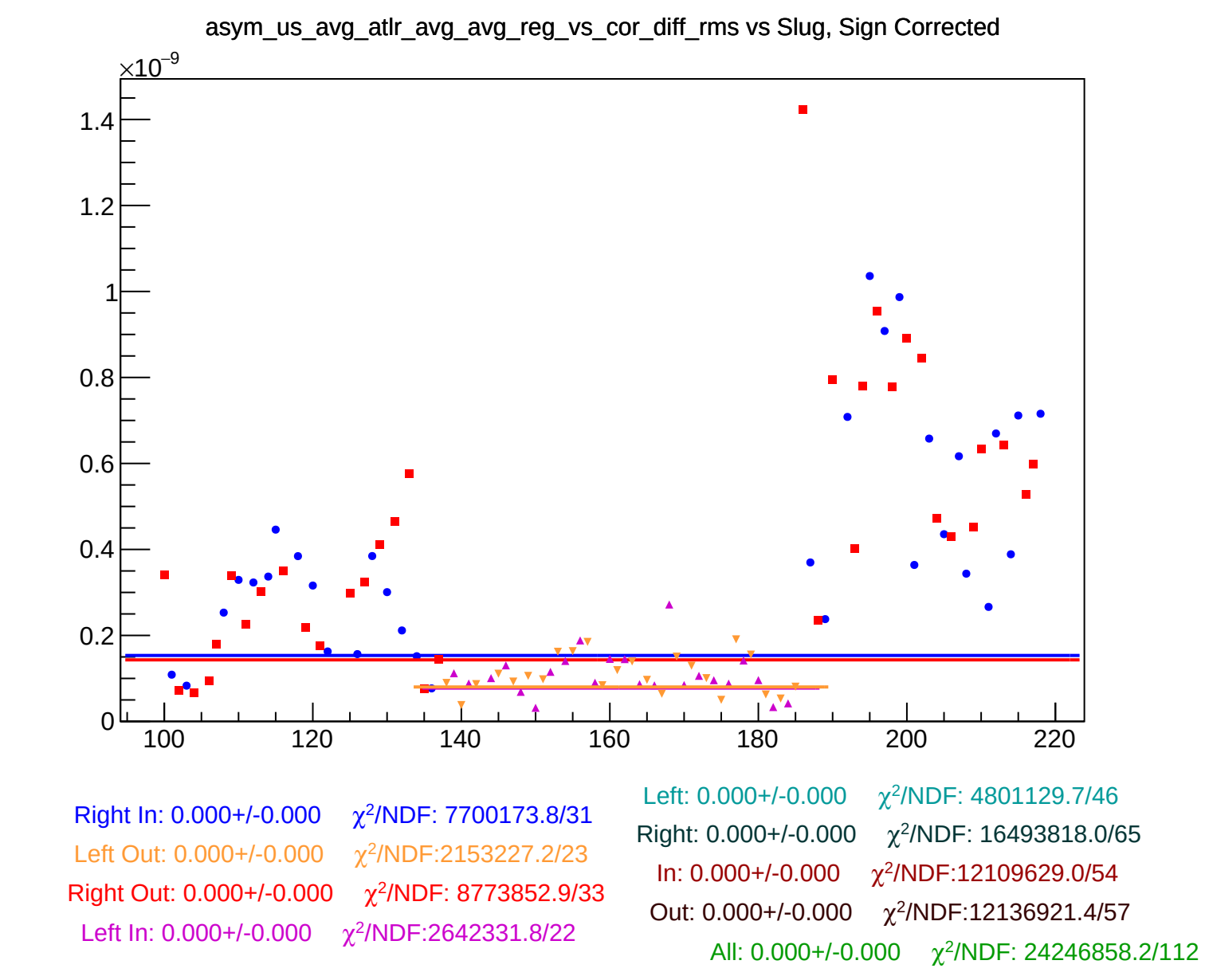
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

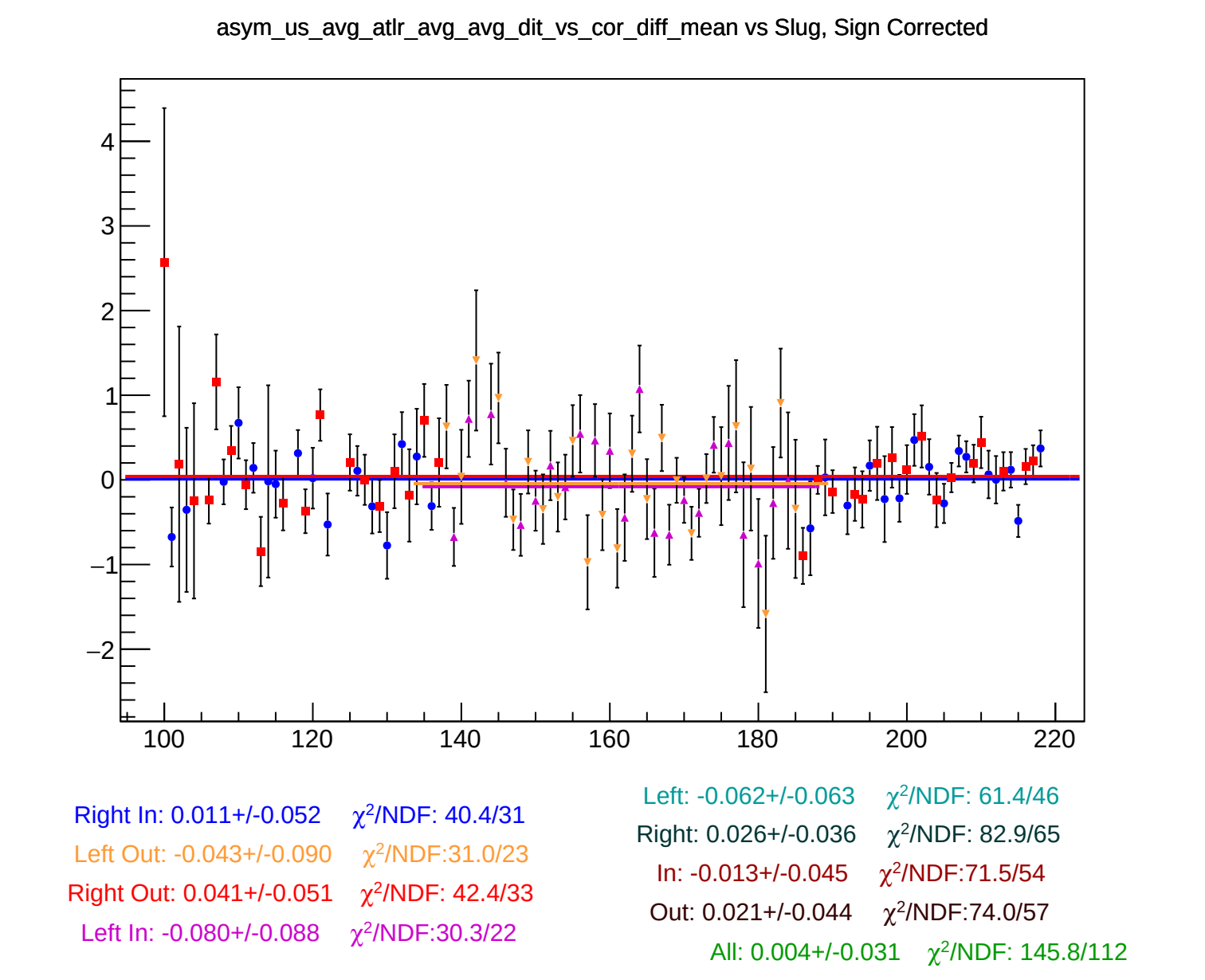
Right: -0.000+/-0.000 χ^2/NDF: 69.8/65

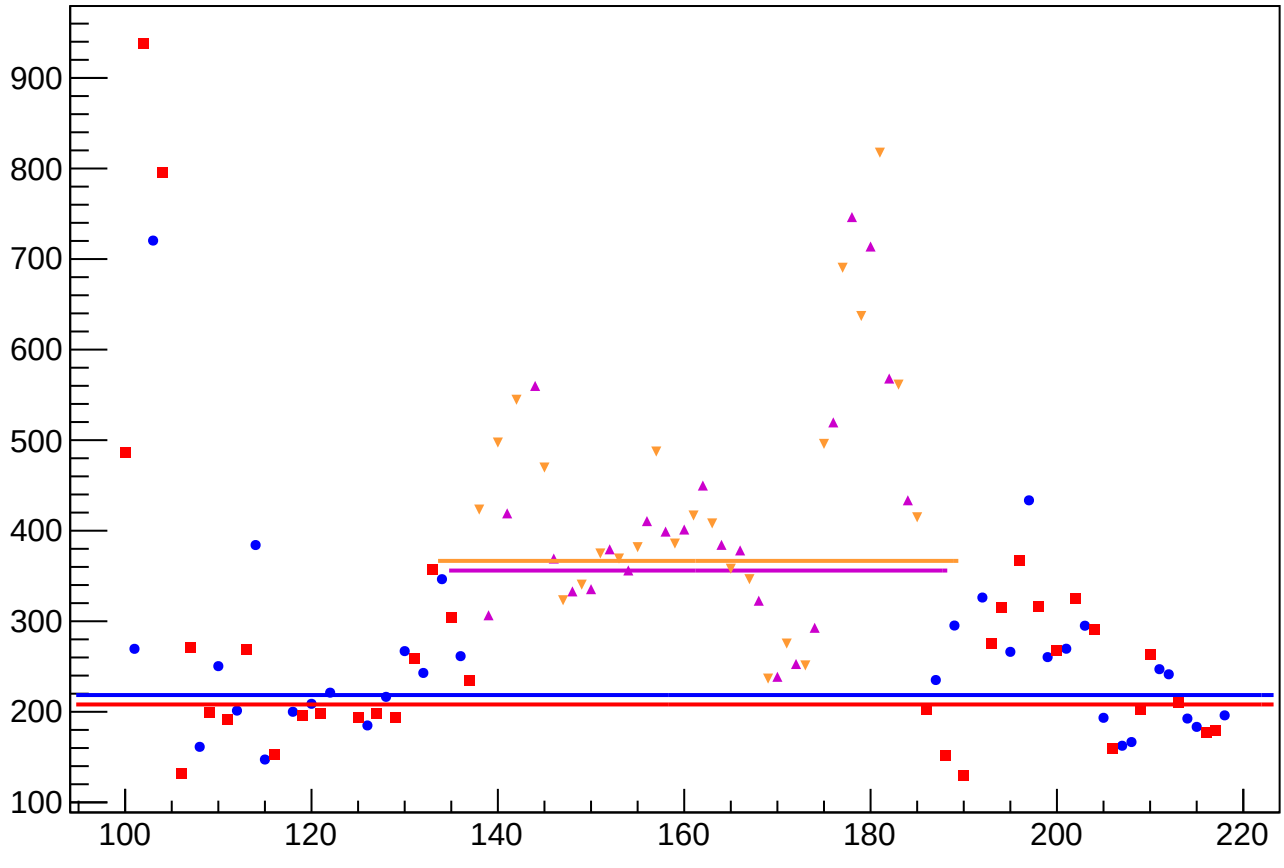
In: -0.000+/-0.000 χ^2/NDF:61.9/54

Out: 0.000+/-0.000 χ^2/NDF:58.7/57

All: -0.000+/-0.000 χ^2/NDF: 121.3/112


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7700173.8/31
Left Out: 0.000+/-0.000 χ²/NDF:2153227.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 8773852.9/33
Left In: 0.000+/-0.000 χ²/NDF:2642331.8/22
Left: 0.000+/-0.000 χ²/NDF: 4801129.7/46
Right: 0.000+/-0.000 χ²/NDF: 16493818.0/65
In: 0.000+/-0.000 χ²/NDF:12109629.0/54
Out: 0.000+/-0.000 χ²/NDF:12136921.4/57
All: 0.000+/-0.000 χ²/NDF: 24246858.2/112


asym_us_avg_atlr_avg_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: 0.011+/-0.052 χ²/NDF: 40.4/31
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.041+/-0.051 χ²/NDF: 42.4/33
Left In: -0.080+/-0.088 χ²/NDF:30.3/22
Left: -0.062+/-0.063 χ²/NDF: 61.4/46
Right: 0.026+/-0.036 χ²/NDF: 82.9/65
In: -0.013+/-0.045 χ²/NDF:71.5/54
Out: 0.021+/-0.044 χ²/NDF:74.0/57
All: 0.004+/-0.031 χ²/NDF: 145.8/112



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: 208.109+/-0.036 χ^2/NDF: 3467809.1/33

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

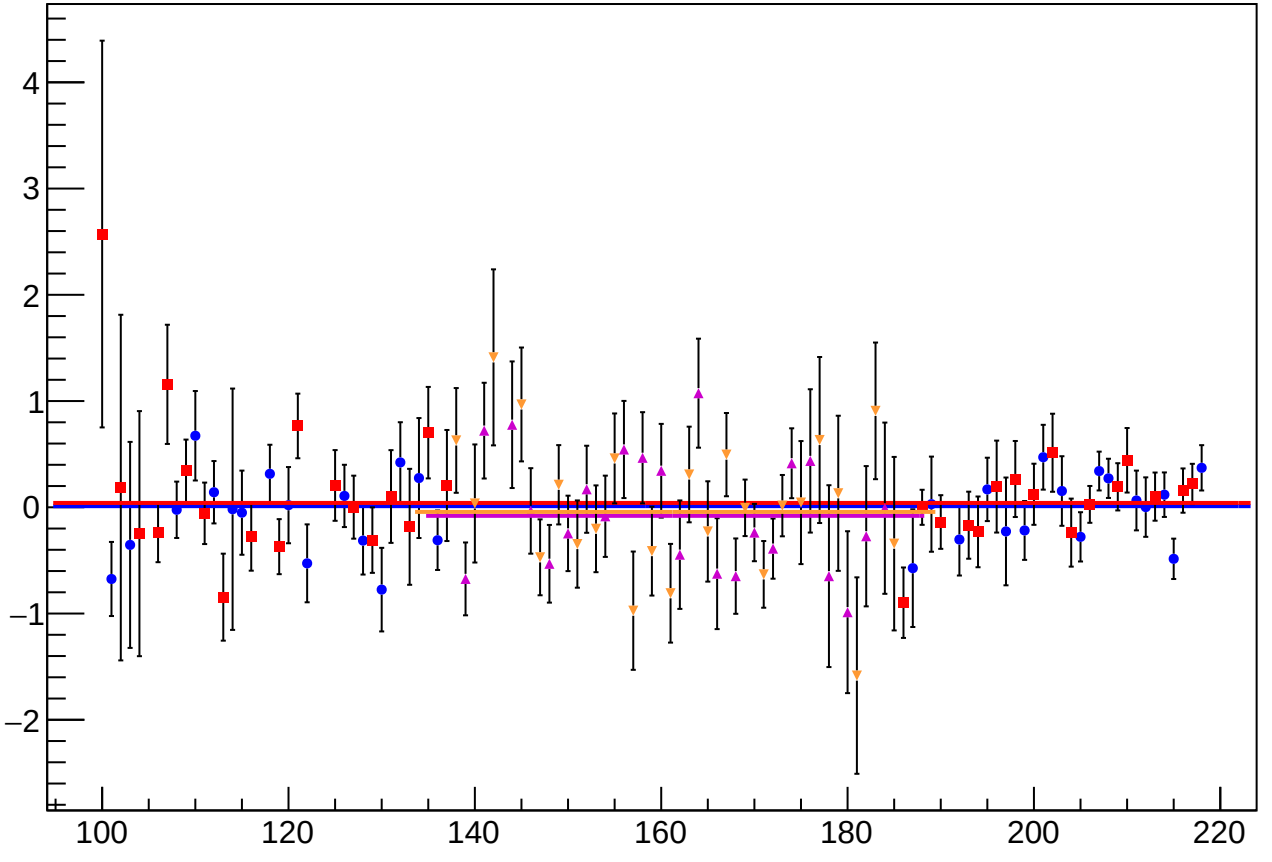
Right: 213.169+/-0.026 χ^2/NDF: 5941129.5/65

In: 254.343+/-0.032 χ^2/NDF:8481536.7/54

Out: 246.052+/-0.031 χ^2/NDF:10983681.5/57

All: 250.146+/-0.022 χ^2/NDF: 19499881.2/11

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: 0.041+/-0.051 χ^2/NDF: 42.4/33

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

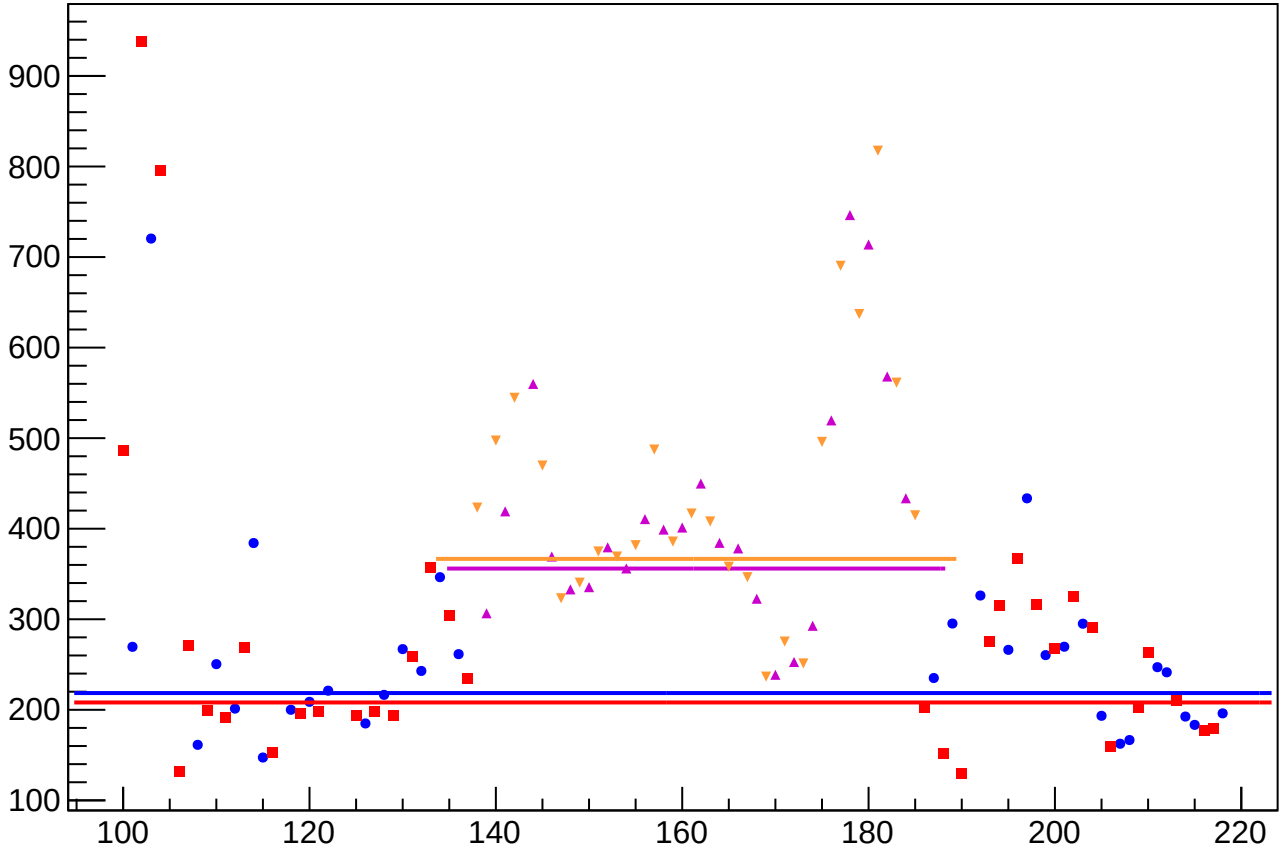
Right: 0.026+/-0.036 χ^2/NDF: 82.9/65

In: -0.013+/-0.045 χ^2/NDF:71.5/54

Out: 0.021+/-0.044 χ^2/NDF:74.0/57

All: 0.004+/-0.031 χ^2/NDF: 145.8/112

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: 208.109+/-0.036 χ^2/NDF: 3467809.1/33

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

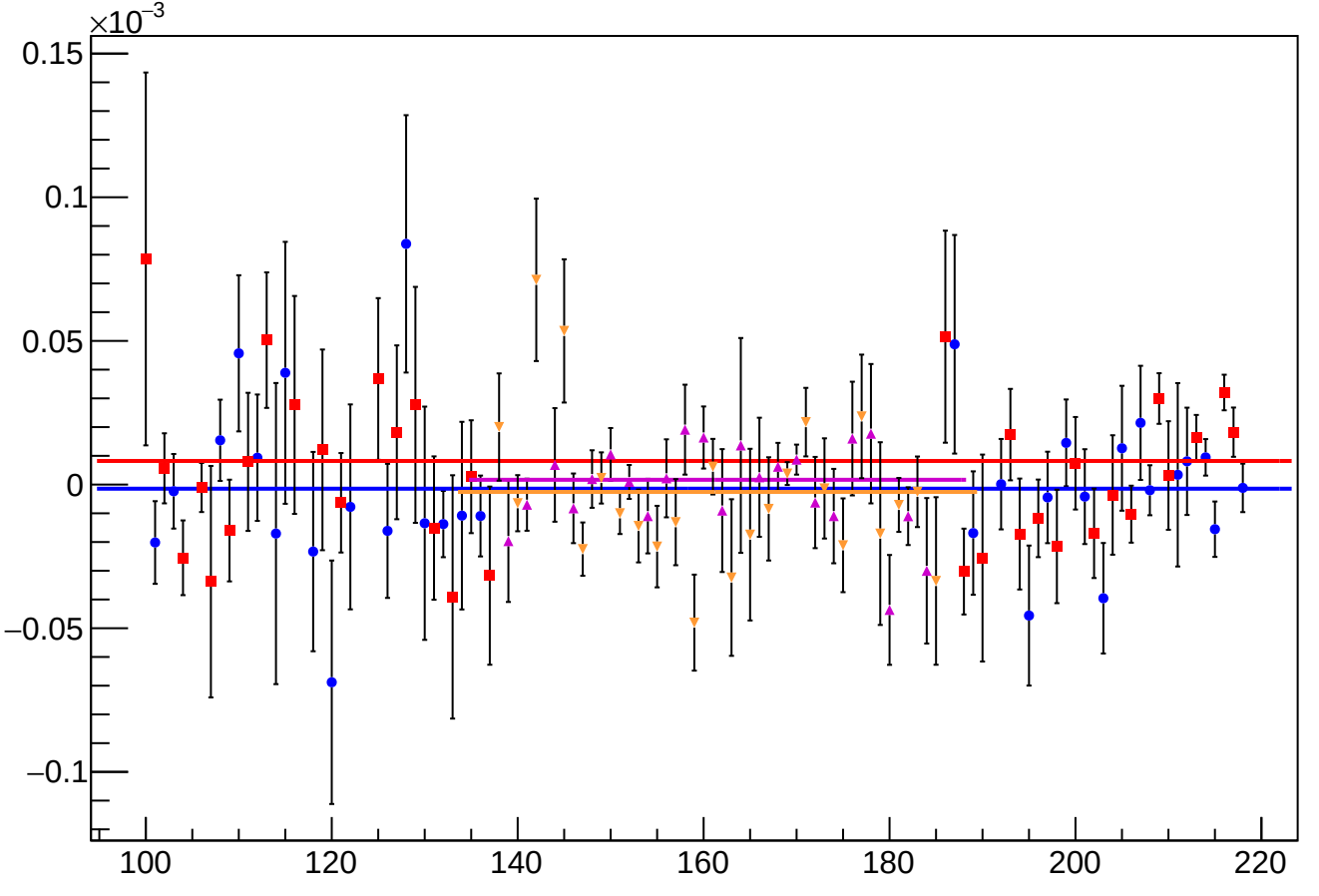
Right: 213.169+/-0.026 χ^2/NDF: 5941129.5/65

In: 254.343+/-0.032 χ^2/NDF:8481536.7/54

Out: 246.052+/-0.031 χ^2/NDF:10983681.5/57

All: 250.146+/-0.022 χ^2/NDF: 19499881.2/11

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: 66.7/33

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

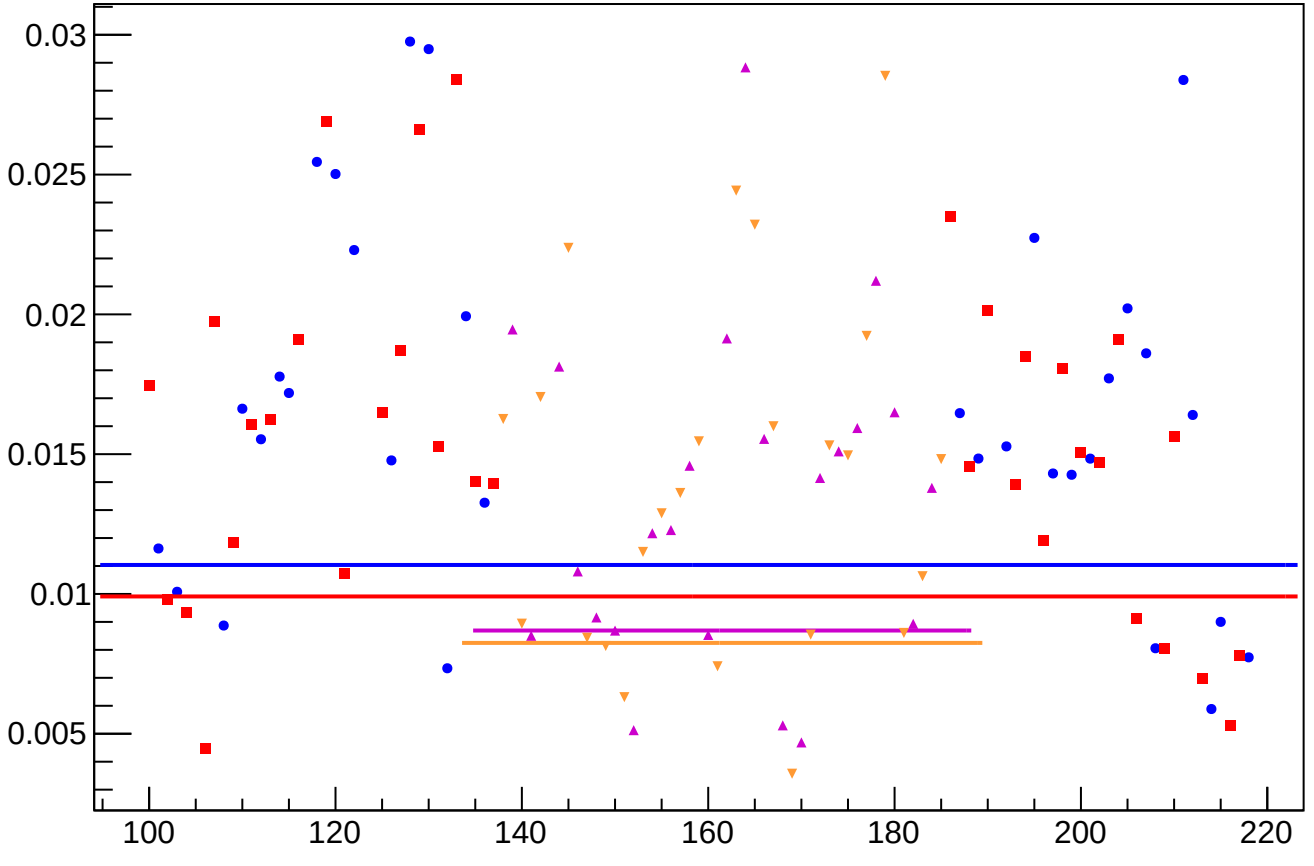
Right: 0.000+/-0.000 χ^2/NDF: 107.3/65

In: 0.000+/-0.000 χ^2/NDF:55.2/54

Out: 0.000+/-0.000 χ^2/NDF:120.4/57

All: 0.000+/-0.000 χ^2/NDF: 176.3/112

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: 7175273.0/33

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

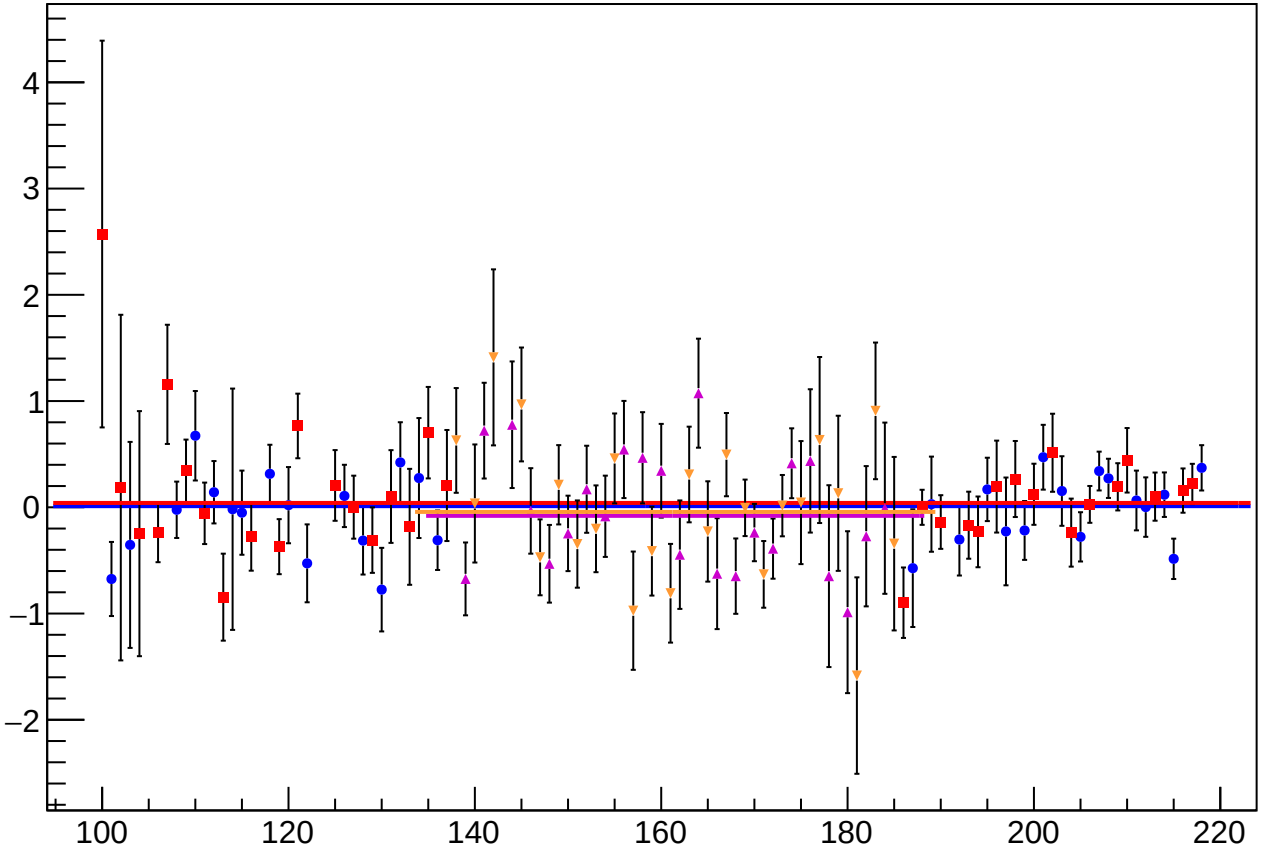
Right: 0.010+/-0.000 χ^2/NDF: 14221770.4/65

In: 0.010+/-0.000 χ^2/NDF:14580494.0/54

Out: 0.009+/-0.000 χ^2/NDF:16540132.8/57

All: 0.009+/-0.000 χ^2/NDF: 31278268.7/112

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: 0.041+/-0.051 χ^2/NDF: 42.4/33

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

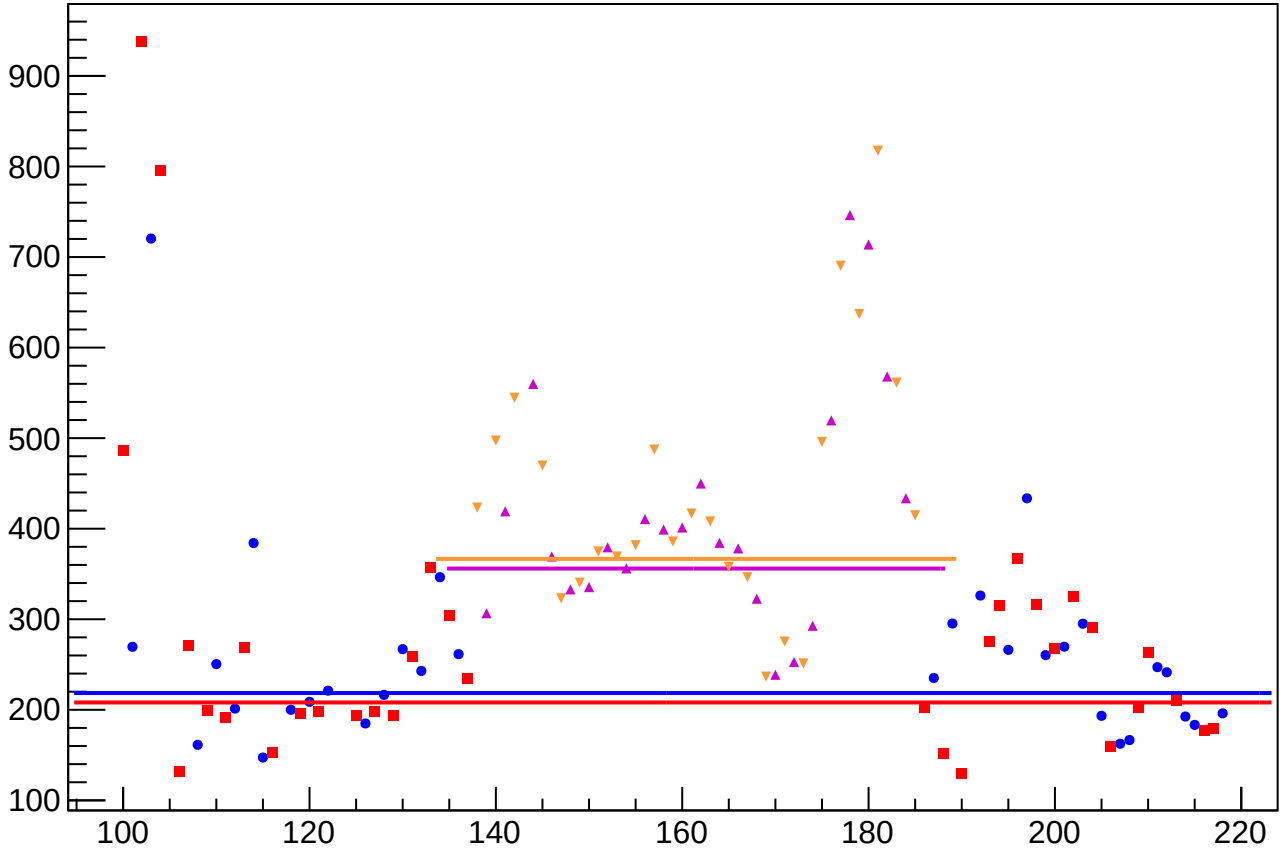
Right: 0.026+/-0.036 χ^2/NDF: 82.9/65

In: -0.013+/-0.045 χ^2/NDF:71.5/54

Out: 0.021+/-0.044 χ^2/NDF:74.0/57

All: 0.004+/-0.031 χ^2/NDF: 145.8/112

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: 208.106+/-0.036 χ^2/NDF: 3467864.6/33

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

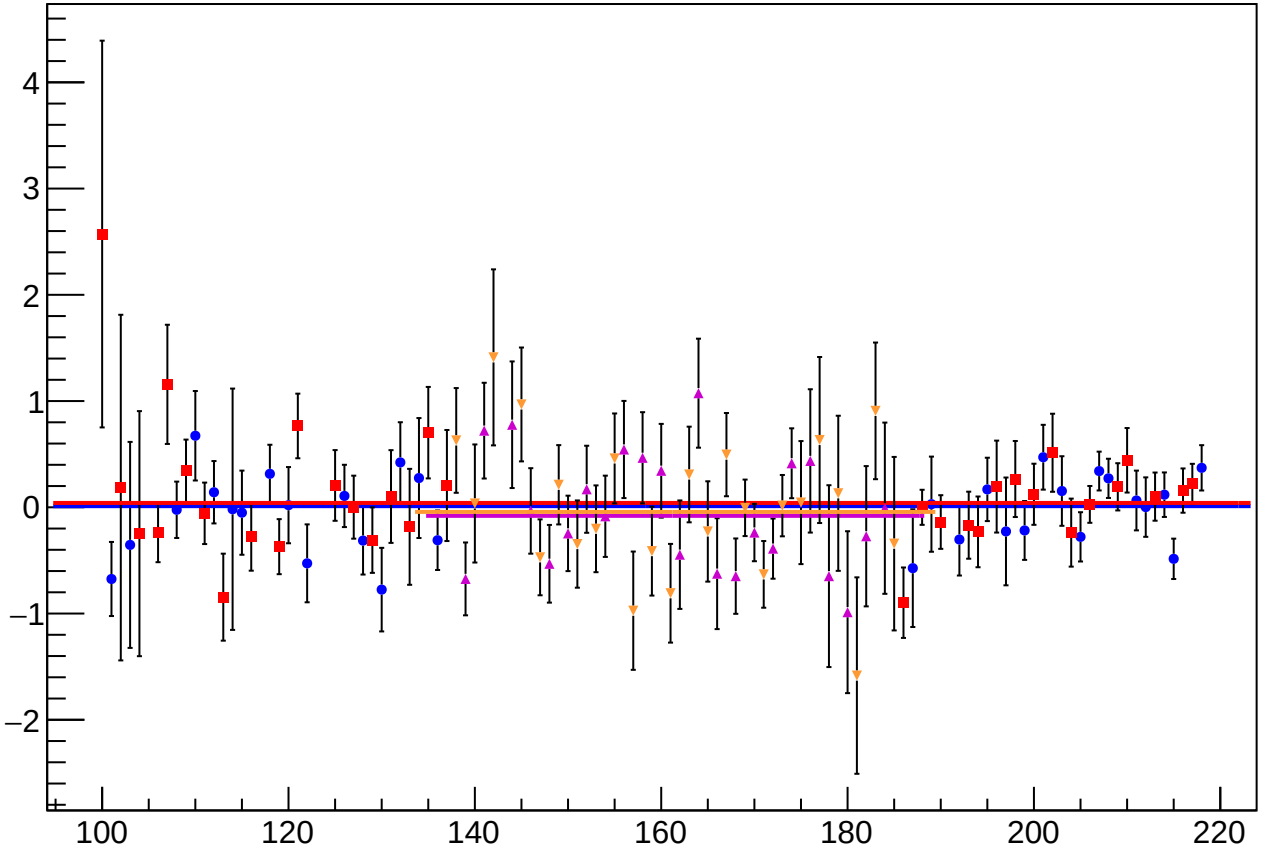
Right: 213.167+/-0.026 χ^2/NDF: 5941224.3/65

In: 254.342+/-0.032 χ^2/NDF:8481831.6/54

Out: 246.050+/-0.031 χ^2/NDF:10984107.8/57

All: 250.144+/-0.022 χ^2/NDF: 19500615.6/1

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: 0.041+/-0.051 χ^2/NDF: 42.4/33

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

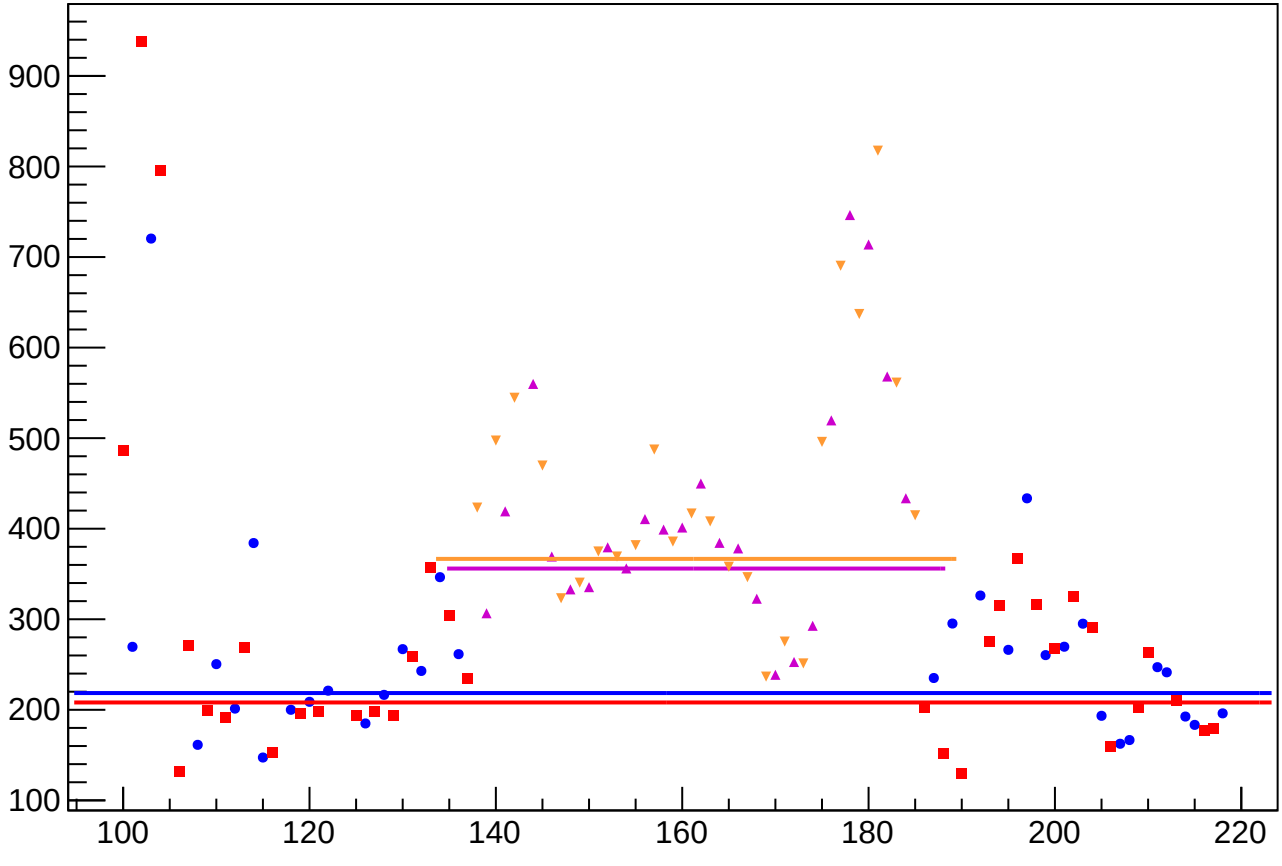
Right: 0.026+/-0.036 χ^2/NDF: 82.9/65

In: -0.013+/-0.045 χ^2/NDF:71.5/54

Out: 0.021+/-0.044 χ^2/NDF:74.0/57

All: 0.004+/-0.031 χ^2/NDF: 145.8/112

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: 208.106+/-0.036 χ^2/NDF: 3467864.6/33

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

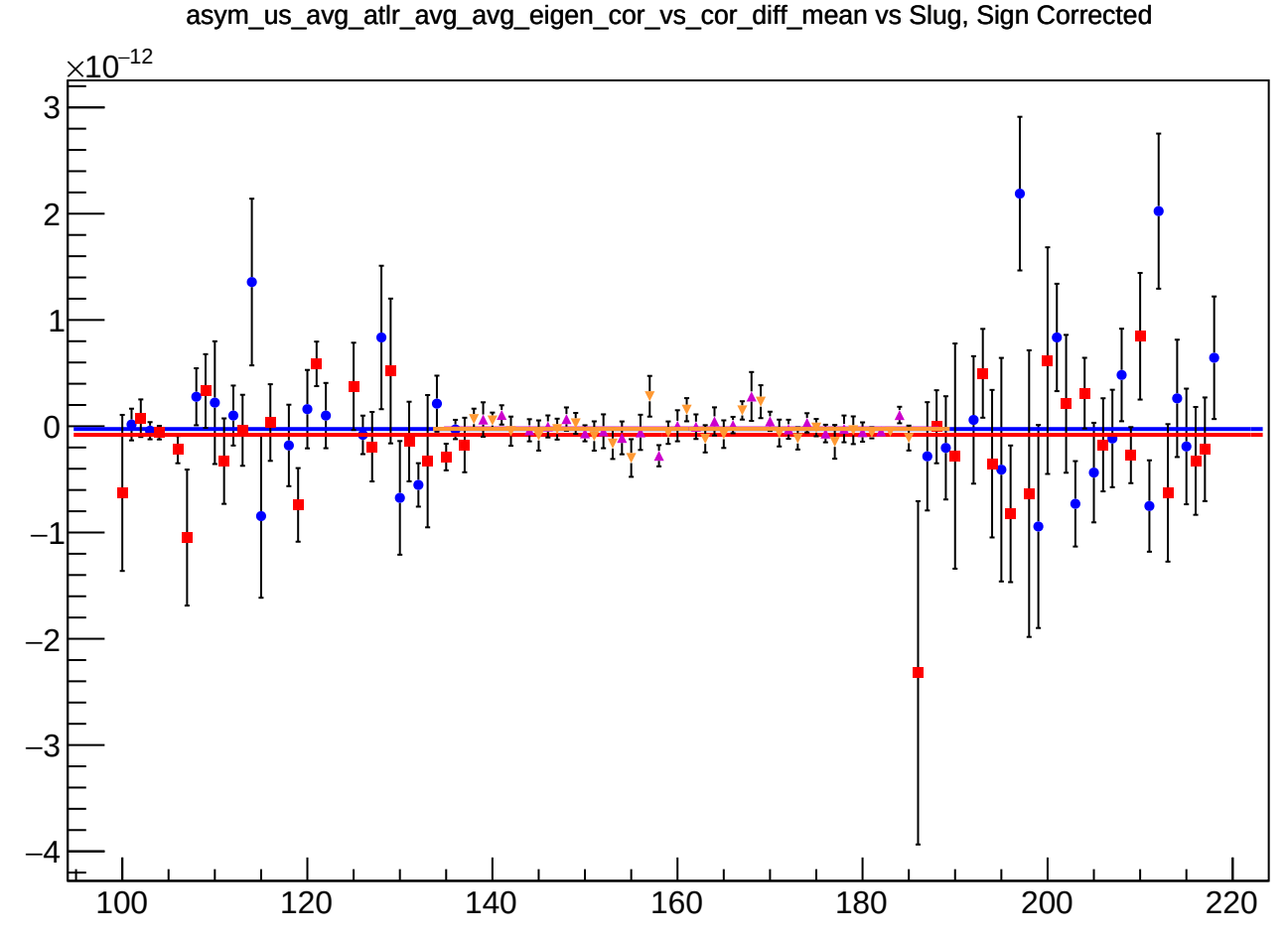
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

Right: 213.167+/-0.026 χ^2/NDF: 5941224.3/65

In: 254.342+/-0.032 χ^2/NDF:8481831.6/54

Out: 246.050+/-0.031 χ^2/NDF:10984107.8/57

All: 250.144+/-0.022 χ^2/NDF: 19500615.6/1



Right In: -0.000+/-0.000 χ^2/NDF: 48.7/31

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 37.5/33

Left In: -0.000+/-0.000 χ^2/NDF:17.2/22

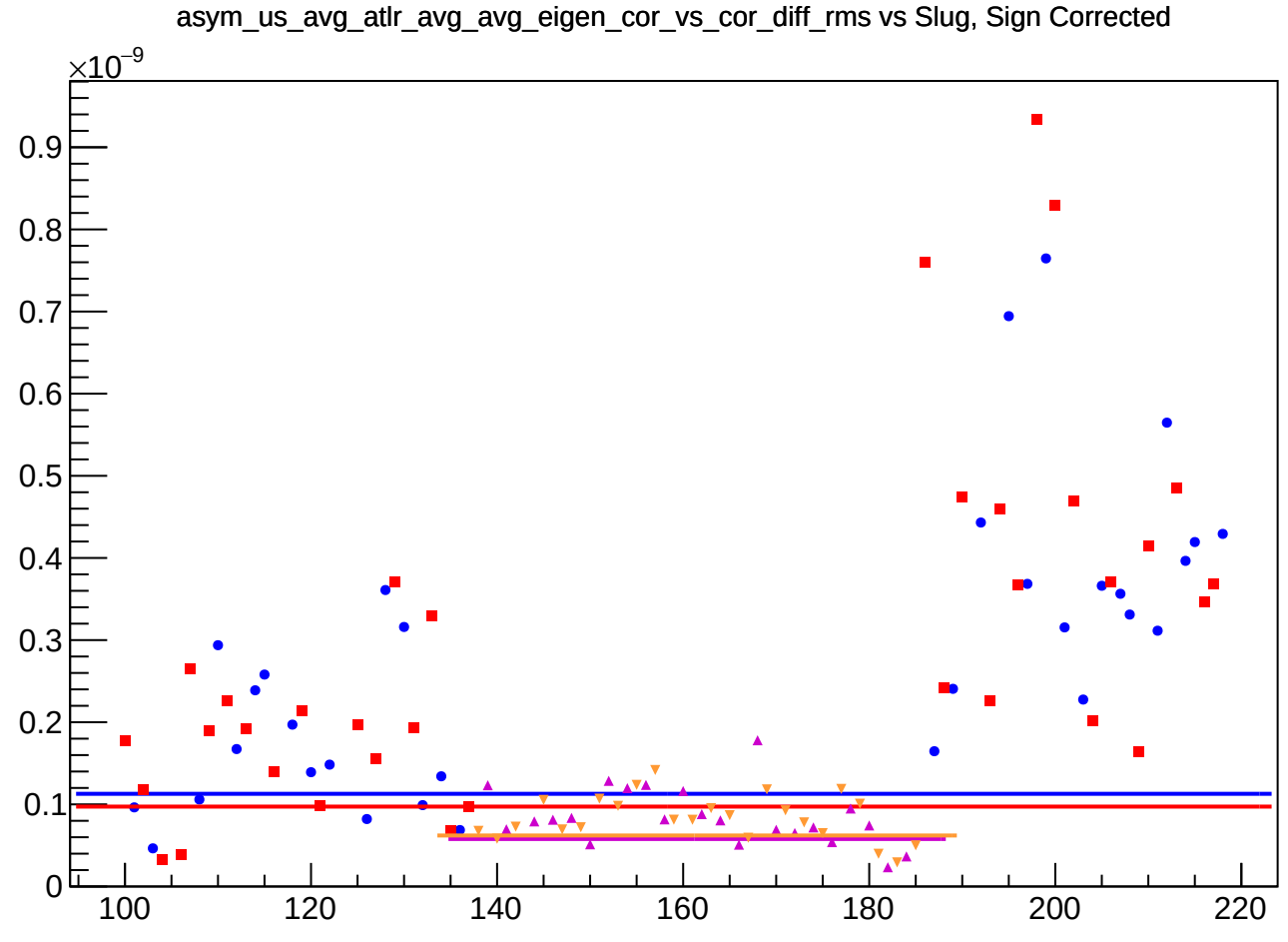
Left: -0.000+/-0.000 χ^2/NDF: 39.1/46

Right: -0.000+/-0.000 χ^2/NDF: 86.9/65

In: -0.000+/-0.000 χ^2/NDF:65.9/54

Out: -0.000+/-0.000 χ^2/NDF:60.9/57

All: -0.000+/-0.000 χ^2/NDF: 127.1/112



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: 12320430.5/33

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

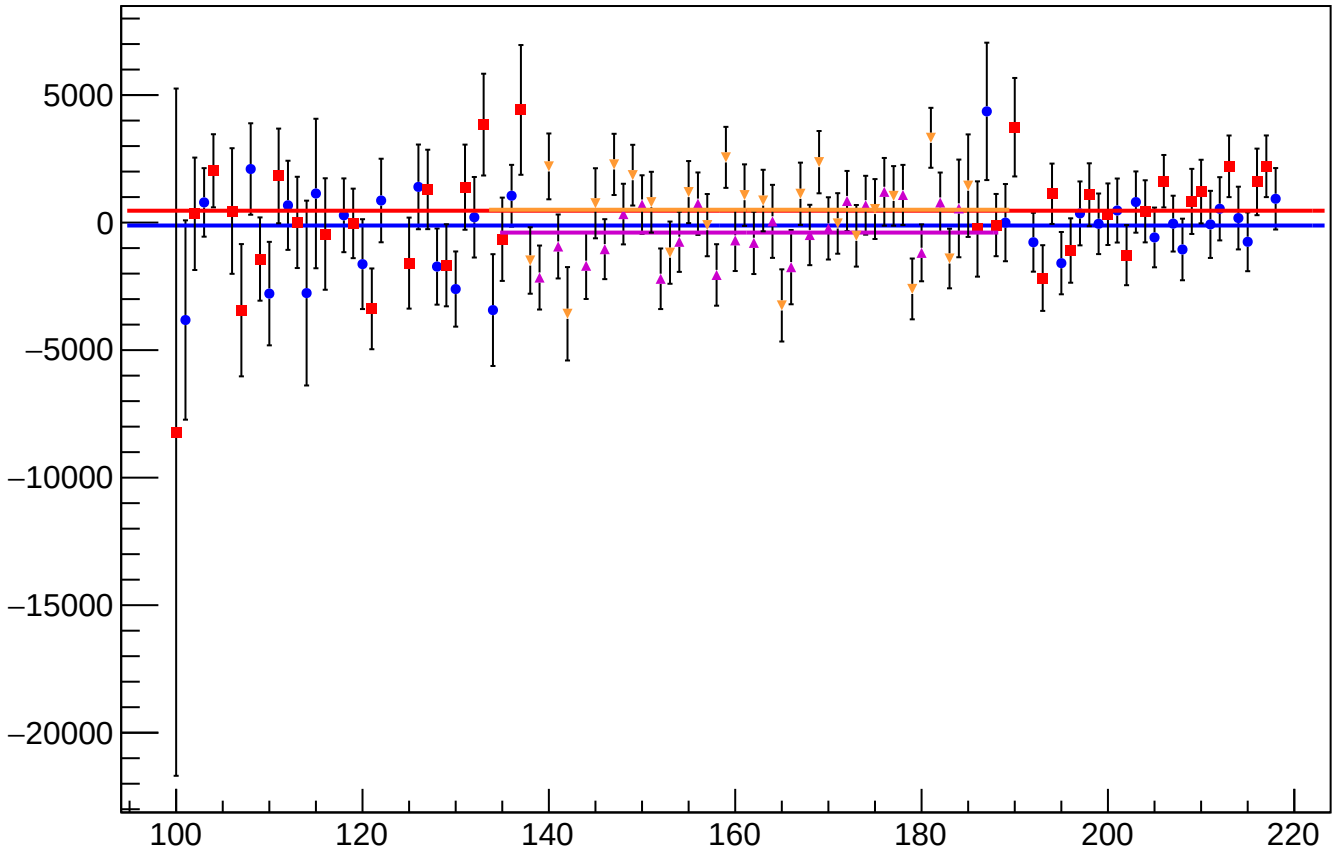
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 23110137.8/65

In: 0.000+/-0.000 χ^2/NDF:18790302.7/54

Out: 0.000+/-0.000 χ^2/NDF:17593834.2/57

All: 0.000+/-0.000 χ^2/NDF: 36402989.6/112



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: 465.592+/-254.334 χ^2/NDF: 39.8/33

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

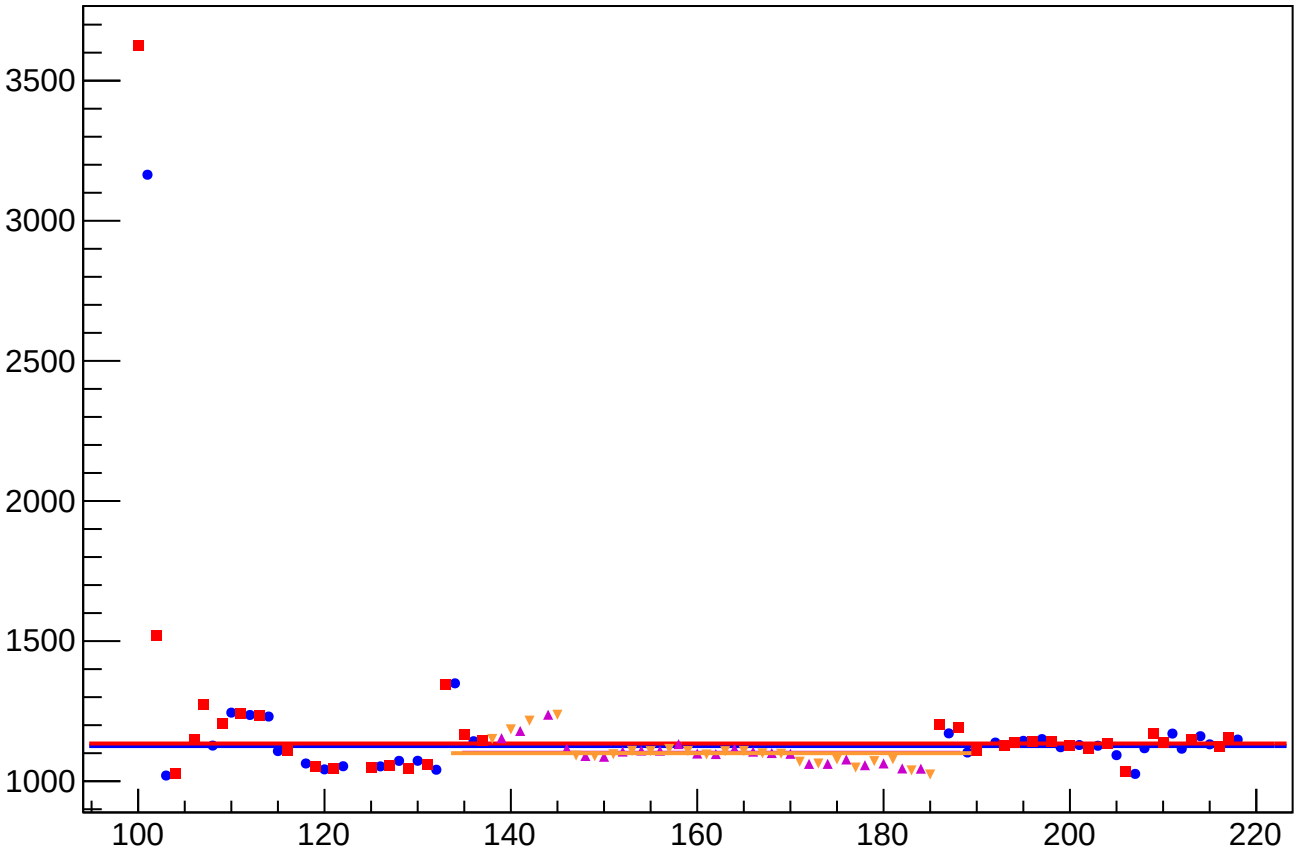
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: 173.479+/-179.201 χ^2/NDF: 64.9/65

In: -250.471+/-180.260 χ^2/NDF:40.9/54

Out: 484.510+/-180.263 χ^2/NDF:84.4/57

All: 117.013+/-127.464 χ^2/NDF: 133.6/112



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: 1134.551+/-0.180 χ^2/NDF: 250221.0/33

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

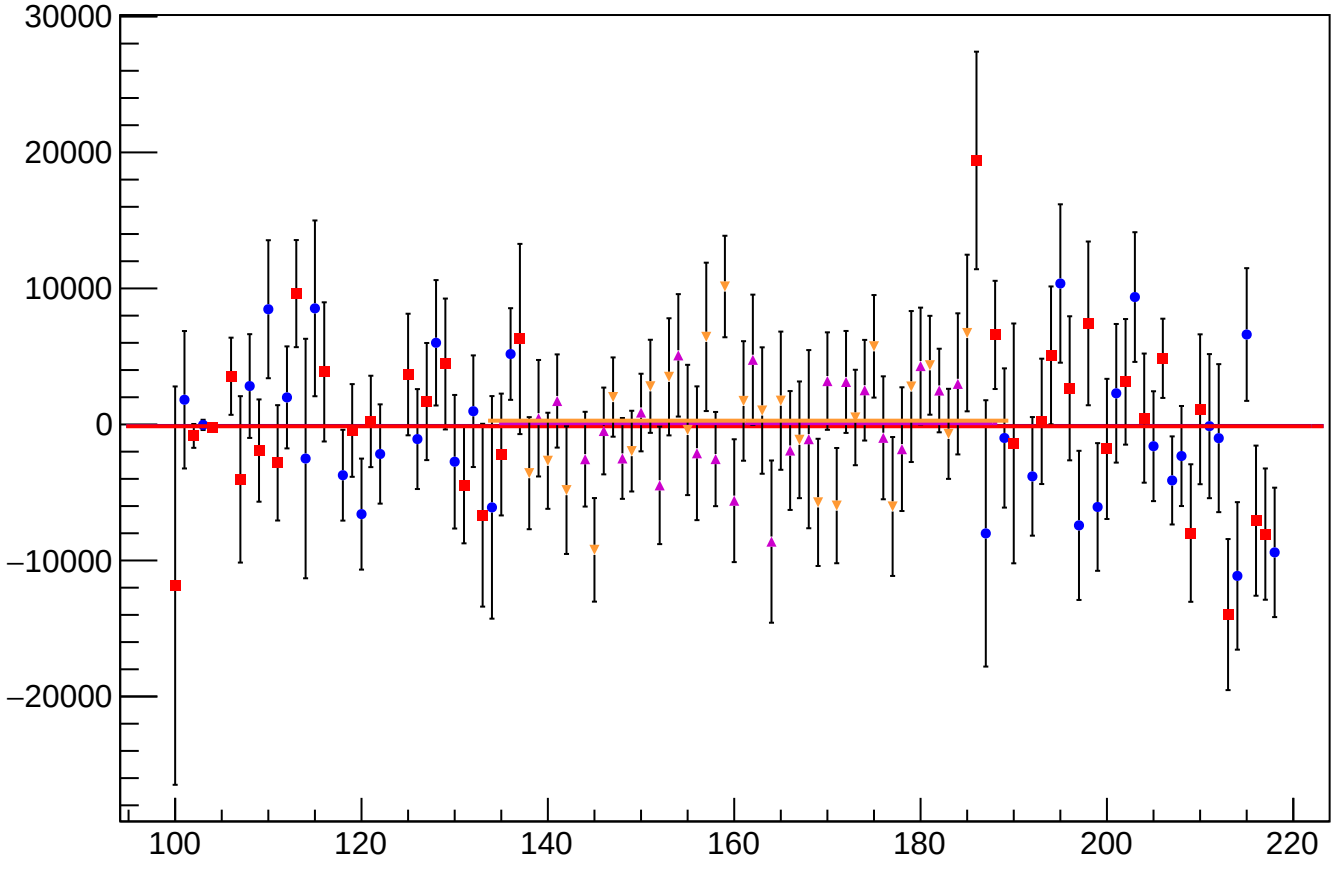
Right: 1129.948+/-0.127 χ^2/NDF: 898481.1/65

In: 1113.694+/-0.127 χ^2/NDF:707870.2/54

Out: 1117.399+/-0.127 χ^2/NDF:327267.6/57

All: 1115.547+/-0.090 χ^2/NDF: 1035560.4/11

asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



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: -132.528+/-311.887 χ^2/NDF: 44.0/33

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

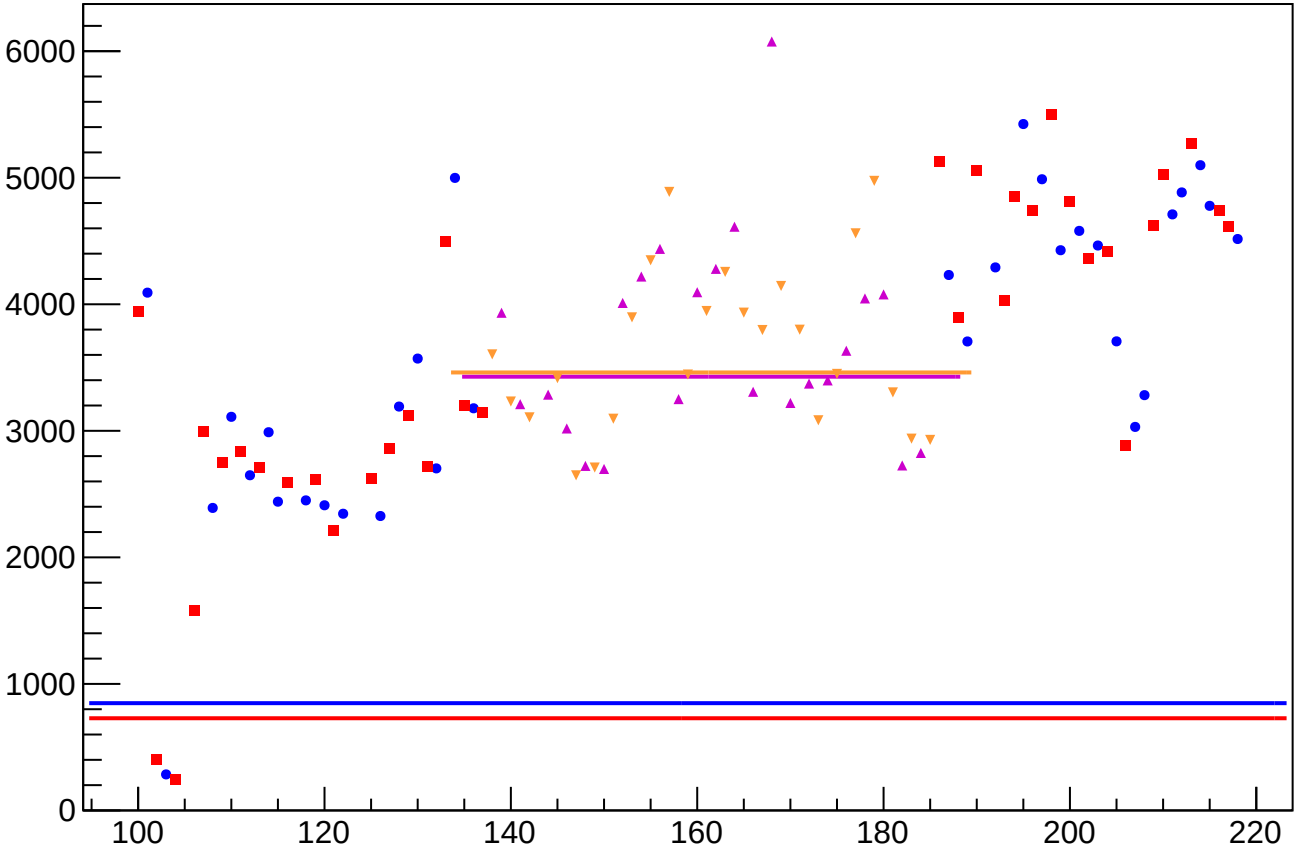
Right: -123.252+/-230.571 χ^2/NDF: 83.1/65

In: -81.190+/-315.799 χ^2/NDF:52.8/54

Out: -80.762+/-291.536 χ^2/NDF:74.1/57

All: -80.959+/-214.212 χ^2/NDF: 126.9/112

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: 728.646+/-0.221 χ^2/NDF: 28384775.4/33

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

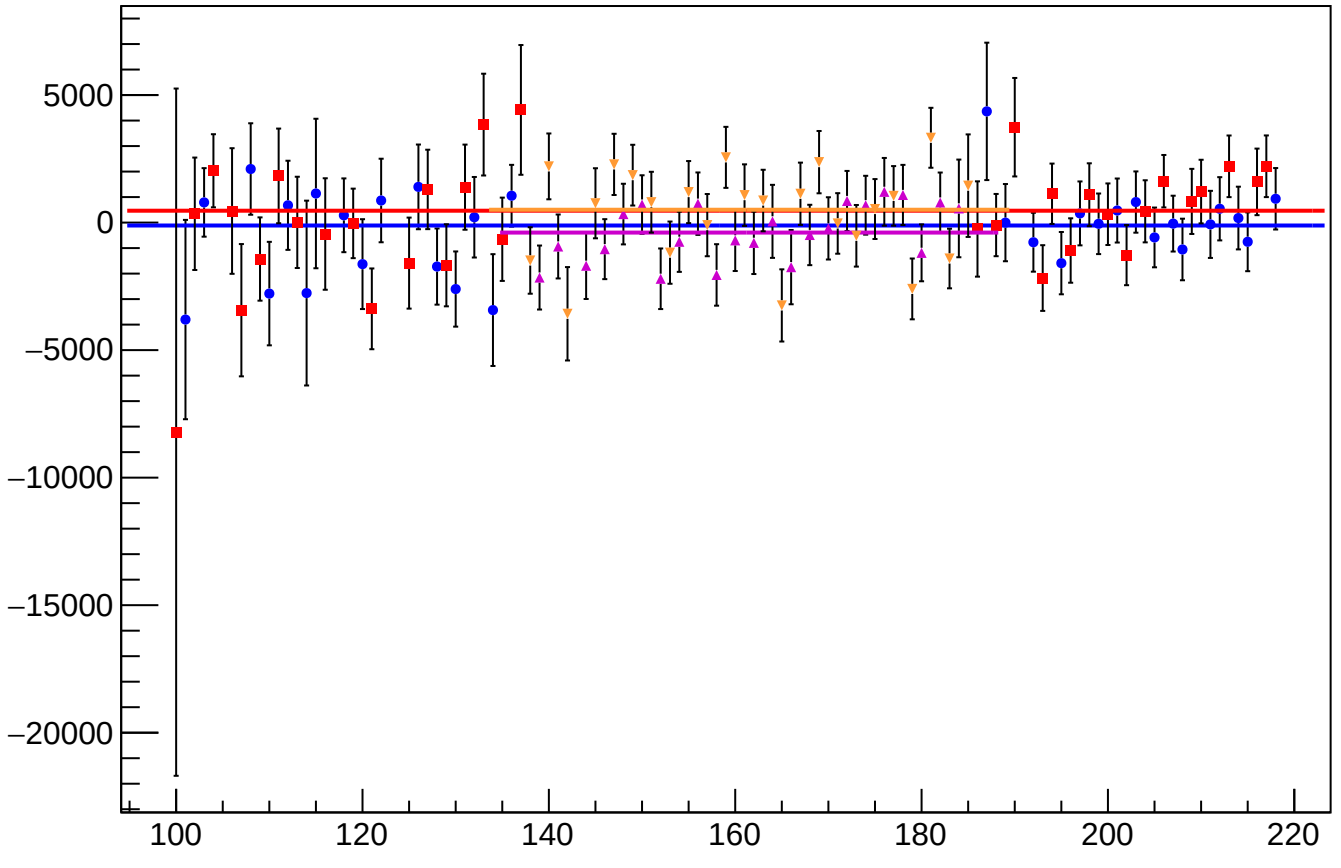
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 782.704+/-0.163 χ^2/NDF: 56181564.5/65

In: 1233.122+/-0.223 χ^2/NDF:45864540.6/54

Out: 1073.634+/-0.206 χ^2/NDF:48826233.6/57

All: 1147.016+/-0.151 χ^2/NDF: 94966179.2/1



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: 465.623+/-254.334 χ^2/NDF: 39.8/33

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

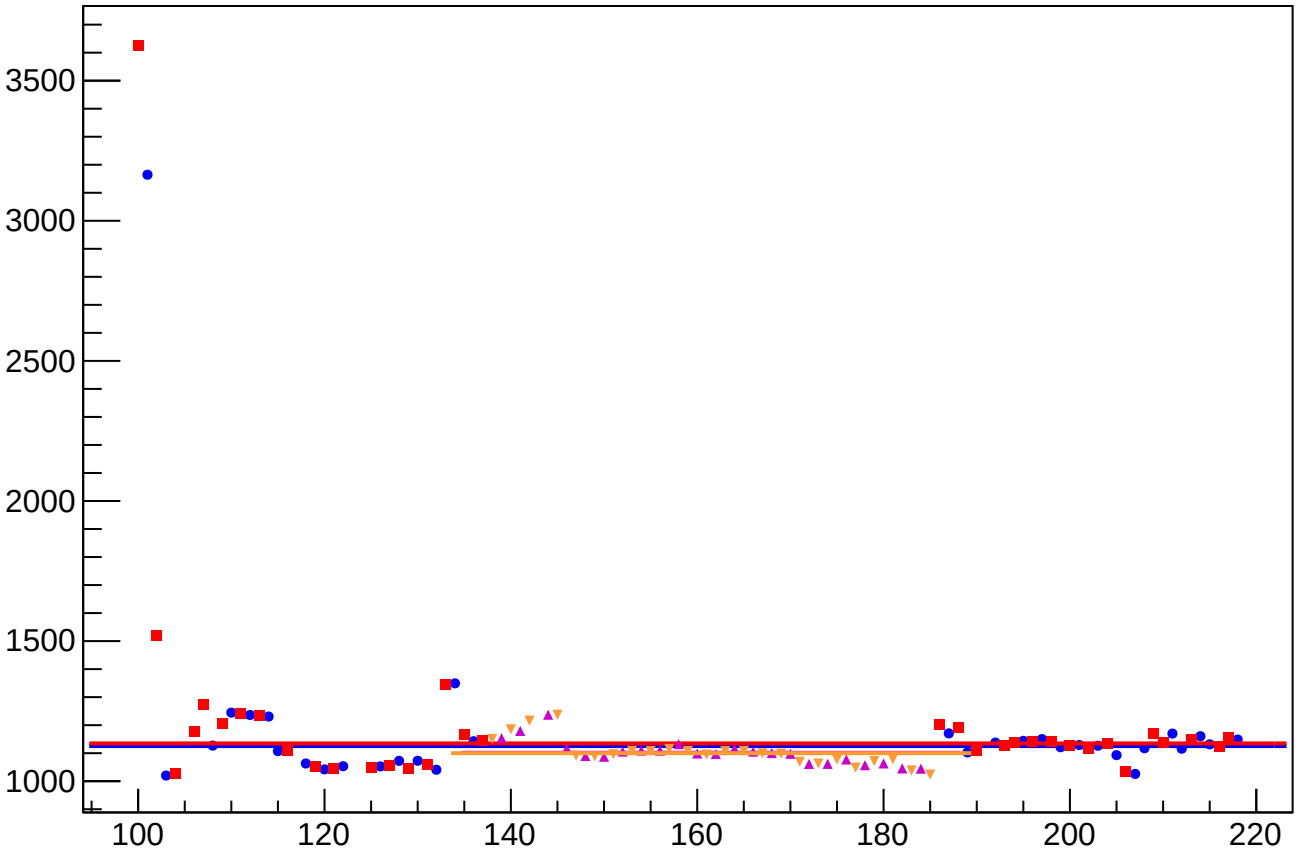
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 173.522+/-179.201 χ^2/NDF: 64.9/65

In: -250.437+/-180.260 χ^2/NDF:40.9/54

Out: 484.562+/-180.263 χ^2/NDF:84.4/57

All: 117.056+/-127.464 χ^2/NDF: 133.6/112



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: 1134.883+/-0.180 χ^2/NDF: 250817.2/33

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

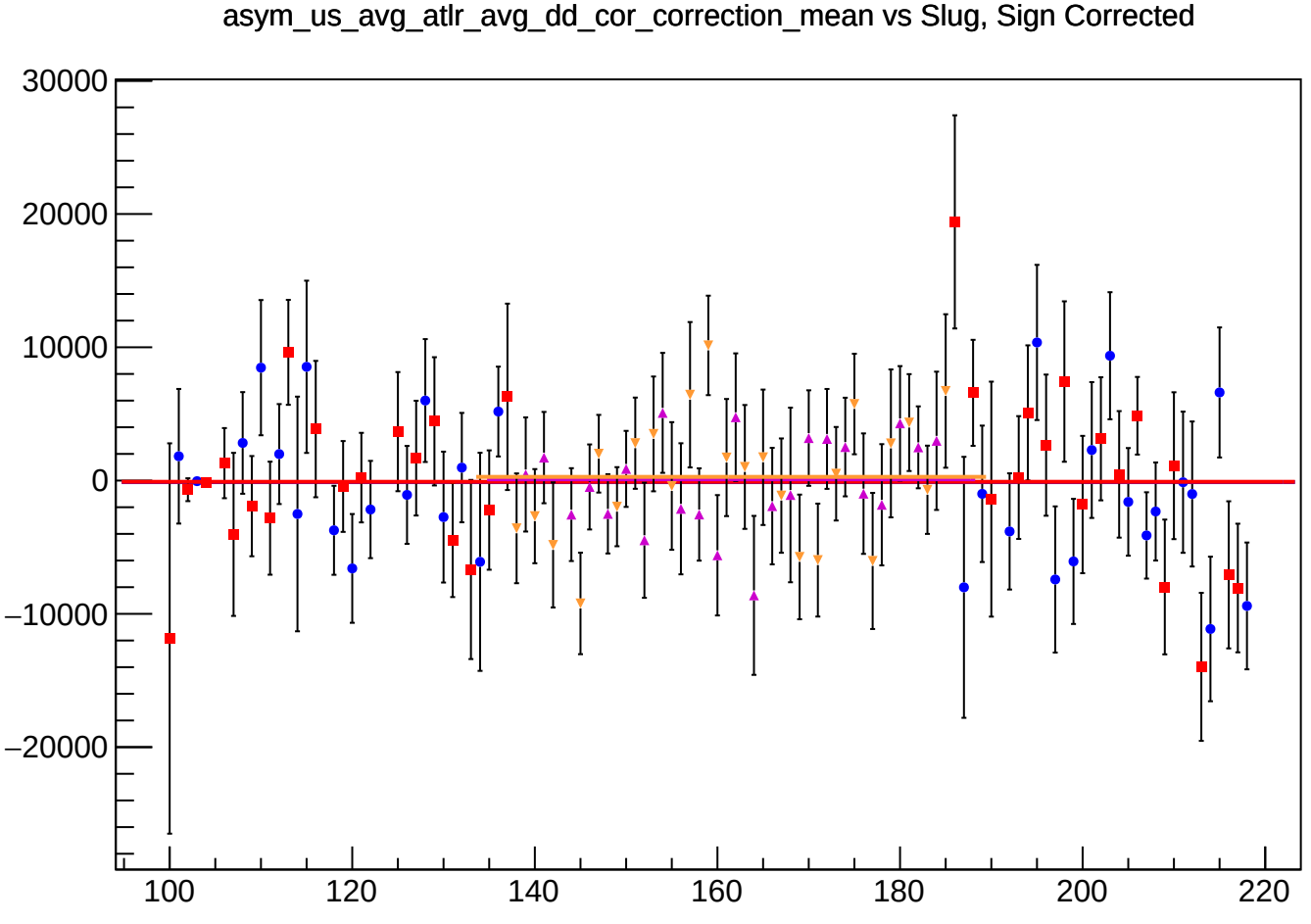
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1130.111+/-0.127 χ^2/NDF: 899174.2/65

In: 1113.694+/-0.127 χ^2/NDF:707871.3/54

Out: 1117.558+/-0.127 χ^2/NDF:328209.9/57

All: 1115.626+/-0.090 χ^2/NDF: 1036540.8/11



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: -92.045+/-307.199 χ^2/NDF: 42.3/33

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

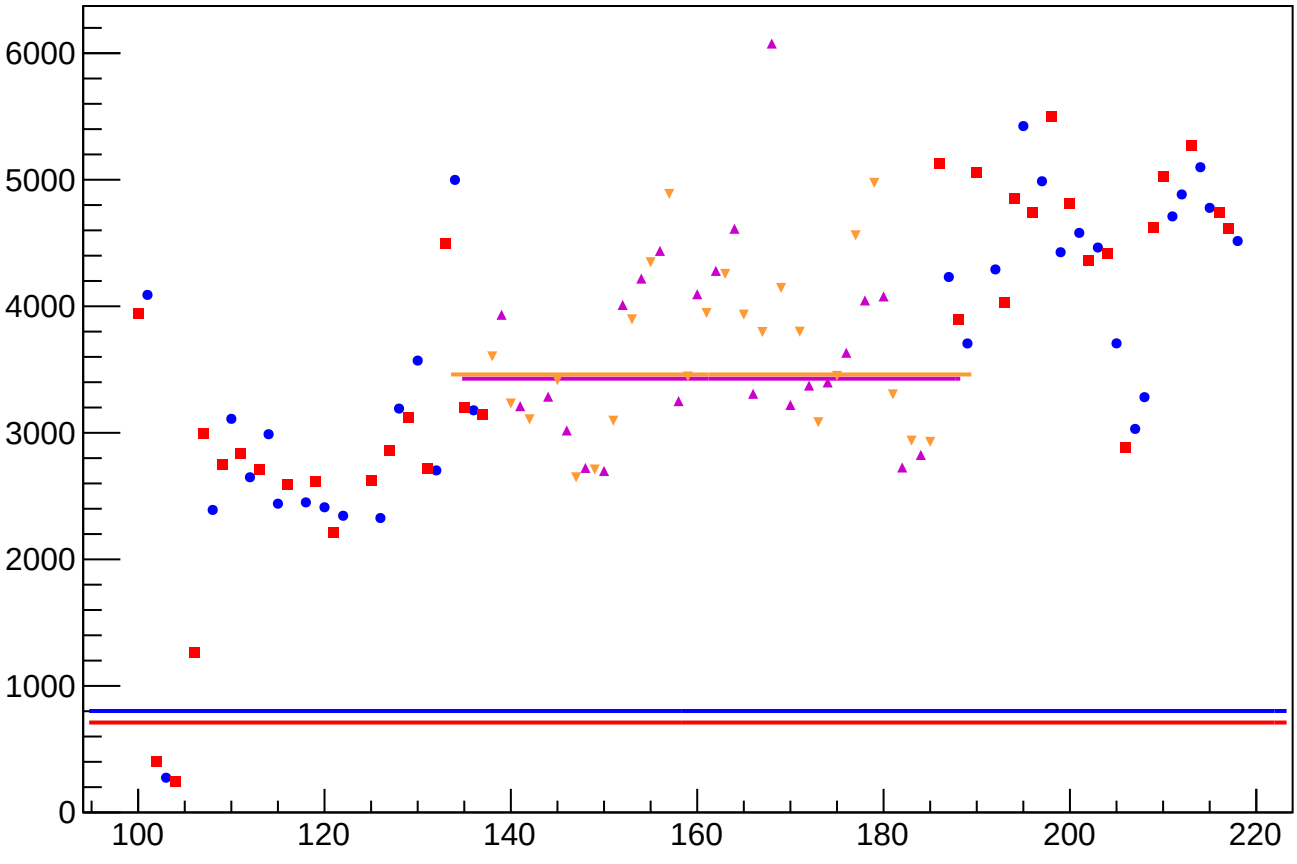
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -103.803+/-225.113 χ^2/NDF: 81.4/65

In: -87.564+/-306.653 χ^2/NDF:52.8/54

Out: -46.607+/-287.696 χ^2/NDF:72.3/57

All: -65.780+/-209.814 χ^2/NDF: 125.2/112



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: 710.717+/-0.217 χ^2/NDF: 28453881.9/33

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

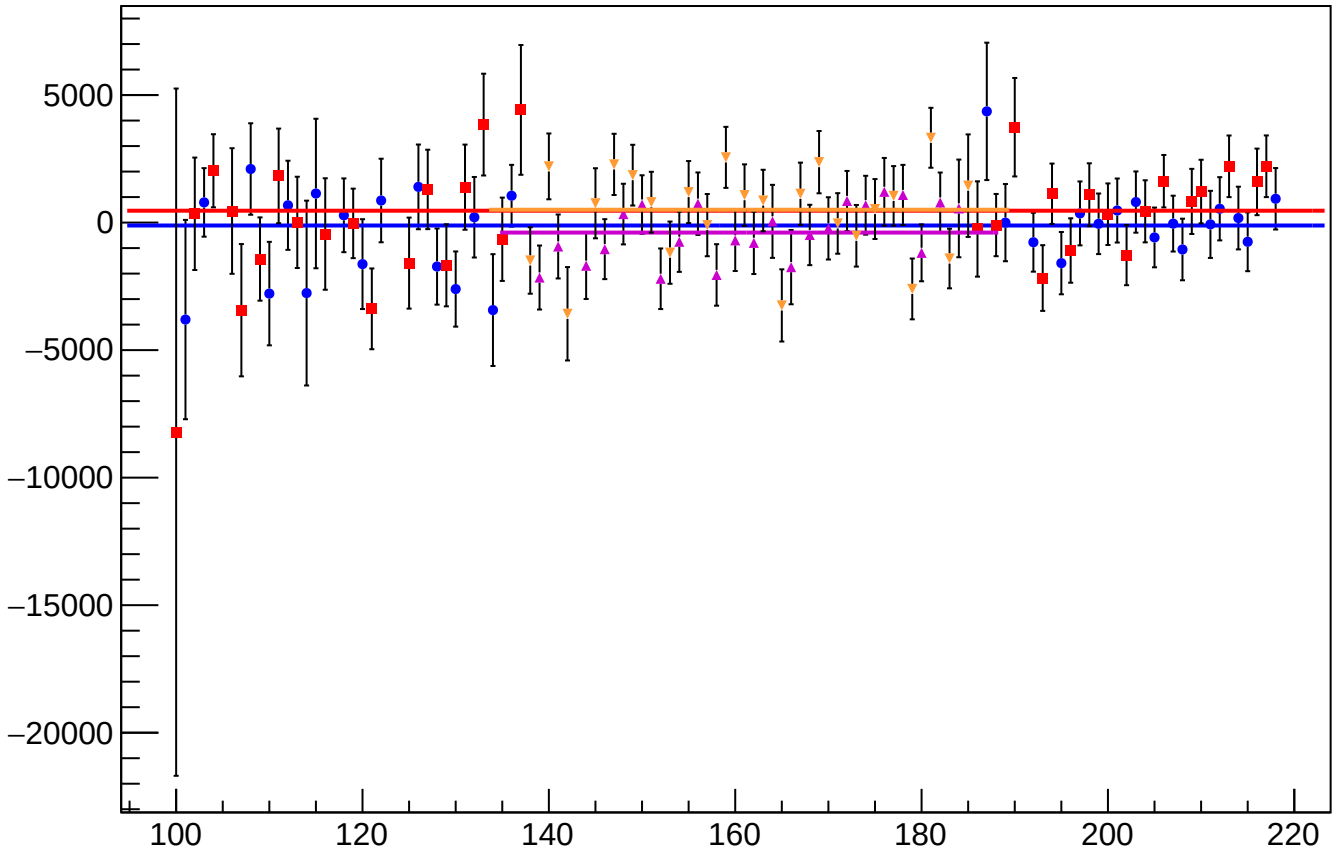
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 752.907+/-0.159 χ^2/NDF: 56724525.5/65

In: 1171.591+/-0.217 χ^2/NDF:47175761.3/54

Out: 1048.880+/-0.203 χ^2/NDF:49224793.8/57

All: 1106.325+/-0.148 χ^2/NDF: 96570889.0/1



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: 465.623+/-254.334 χ^2/NDF: 39.8/33

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

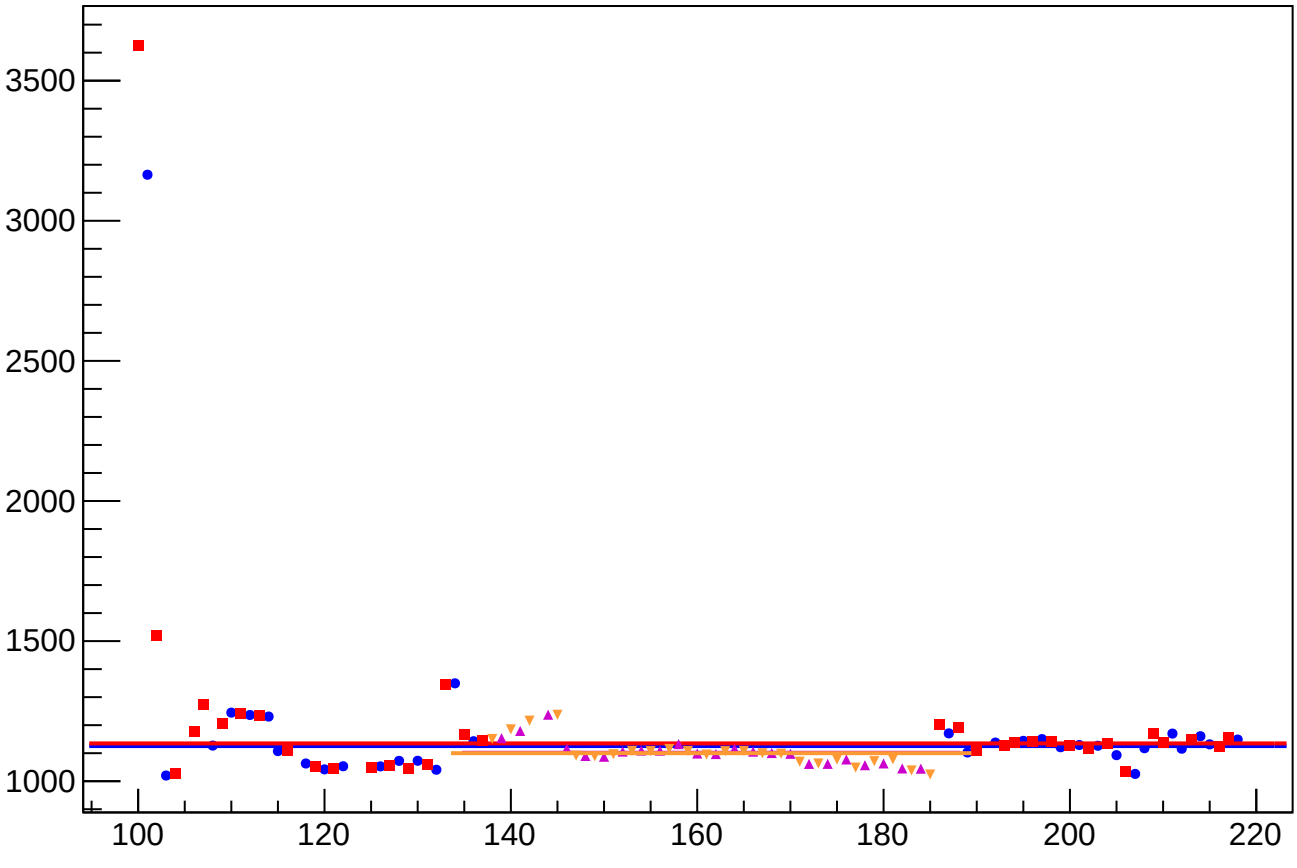
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 173.522+/-179.201 χ^2/NDF: 64.9/65

In: -250.437+/-180.260 χ^2/NDF:40.9/54

Out: 484.562+/-180.263 χ^2/NDF:84.4/57

All: 117.056+/-127.464 χ^2/NDF: 133.6/112



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: 1134.883+/-0.180 χ^2/NDF: 250817.2/33

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

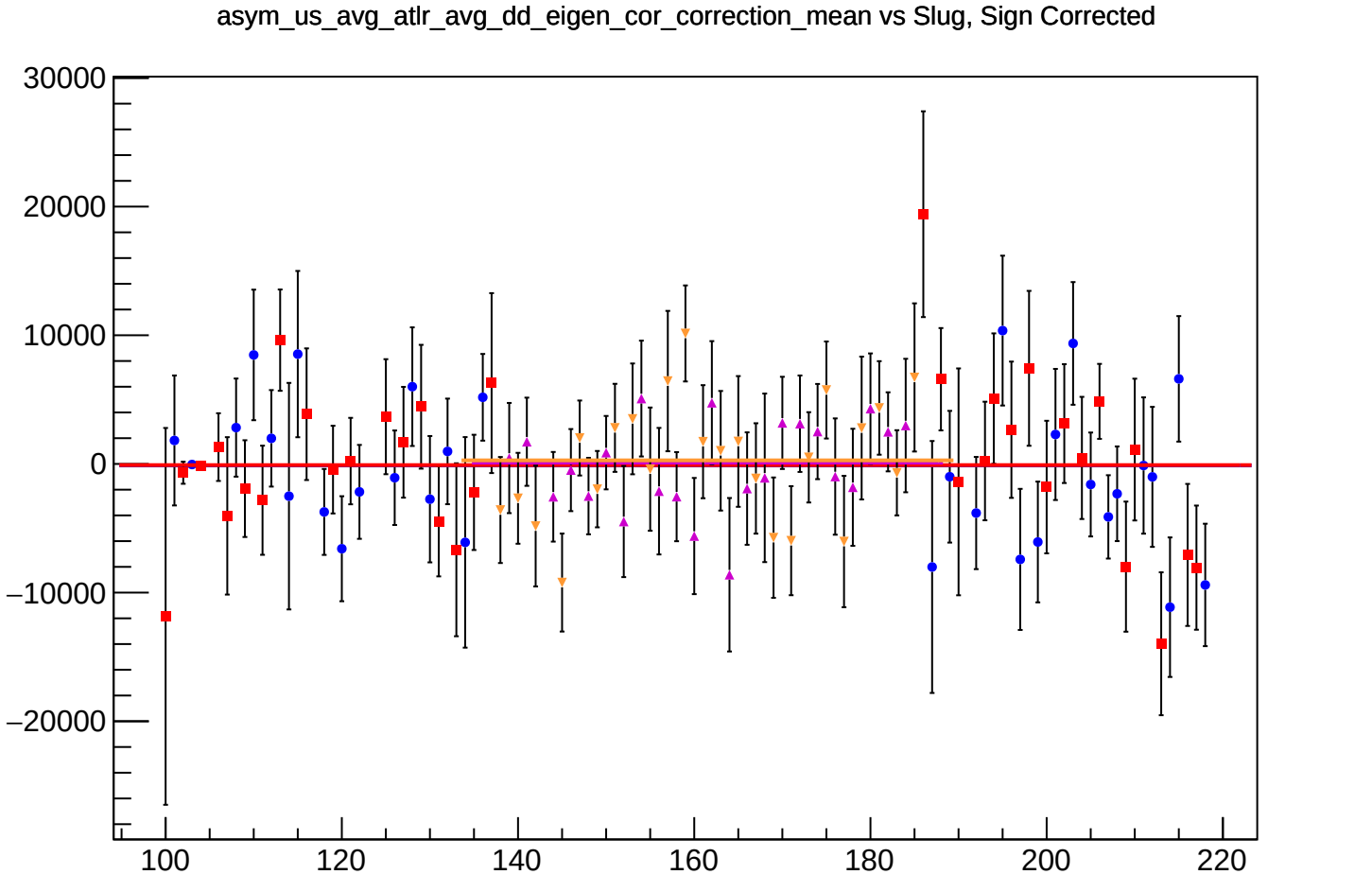
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1130.111+/-0.127 χ^2/NDF: 899174.2/65

In: 1113.694+/-0.127 χ^2/NDF:707871.3/54

Out: 1117.558+/-0.127 χ^2/NDF:328209.9/57

All: 1115.626+/-0.090 χ^2/NDF: 1036540.8/11



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: -92.045+/-307.199 χ^2/NDF: 42.3/33

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

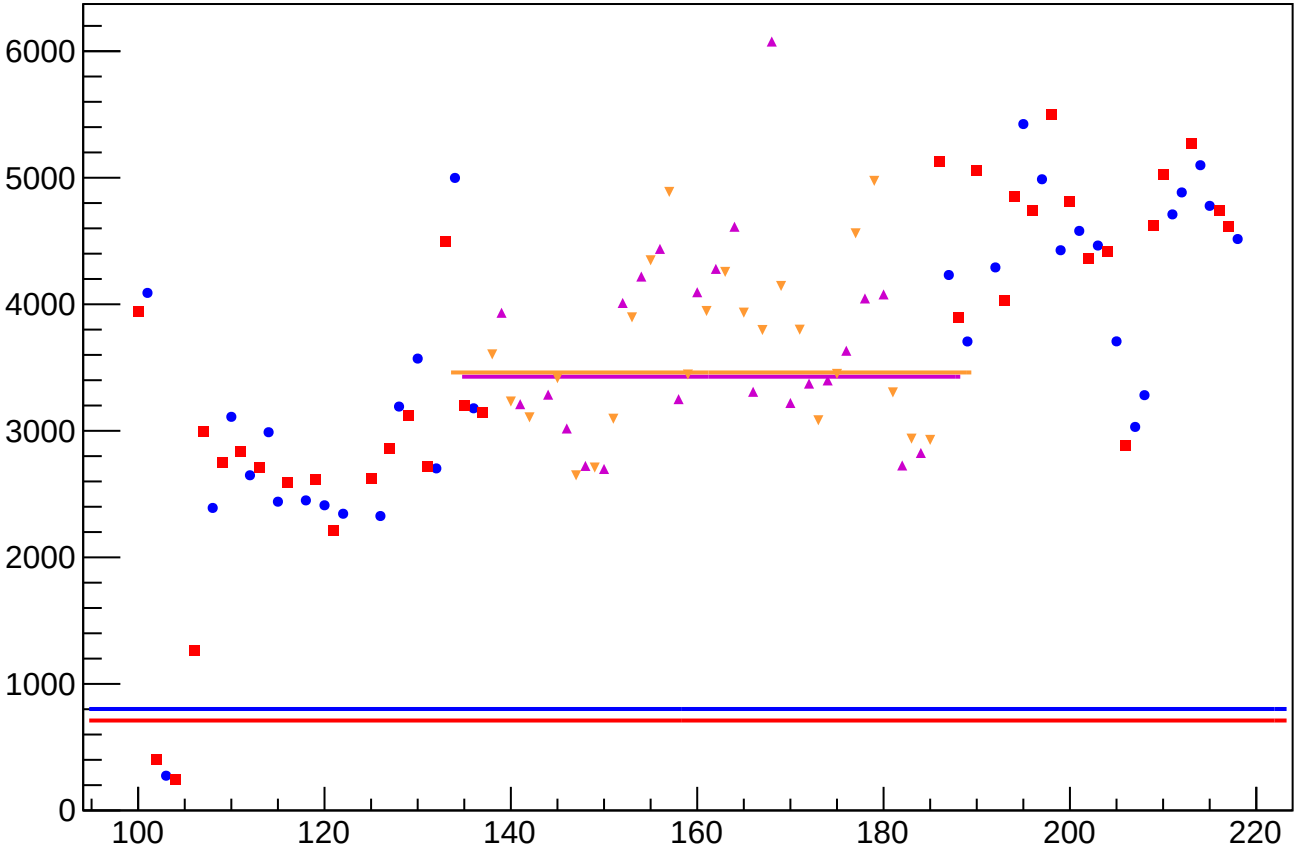
Right: -103.803+/-225.113 χ^2/NDF: 81.4/65

In: -87.564+/-306.653 χ^2/NDF:52.8/54

Out: -46.607+/-287.696 χ^2/NDF:72.3/57

All: -65.780+/-209.814 χ^2/NDF: 125.2/112

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 710.717+/-0.217 χ^2/NDF: 28453881.9/33

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

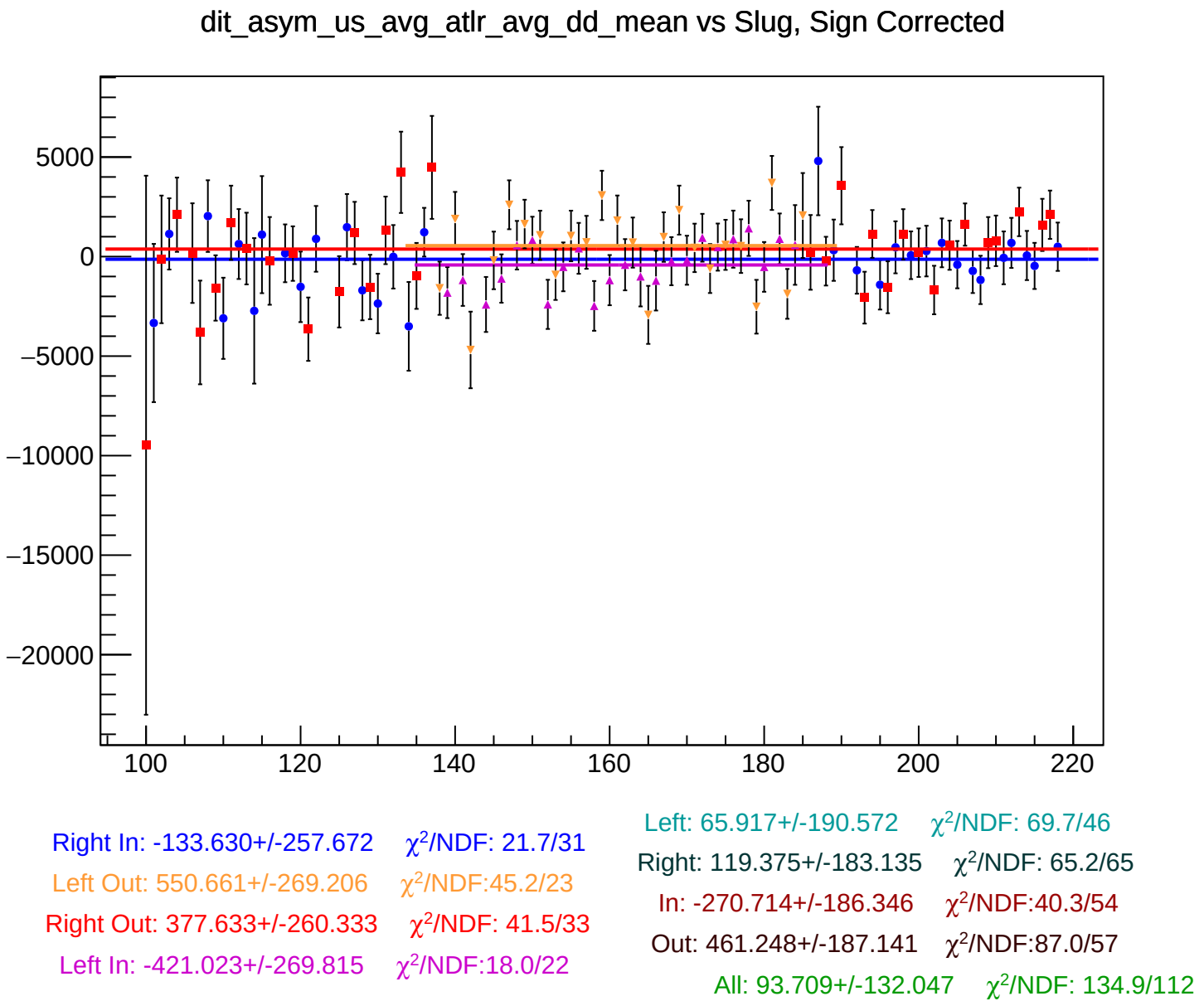
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

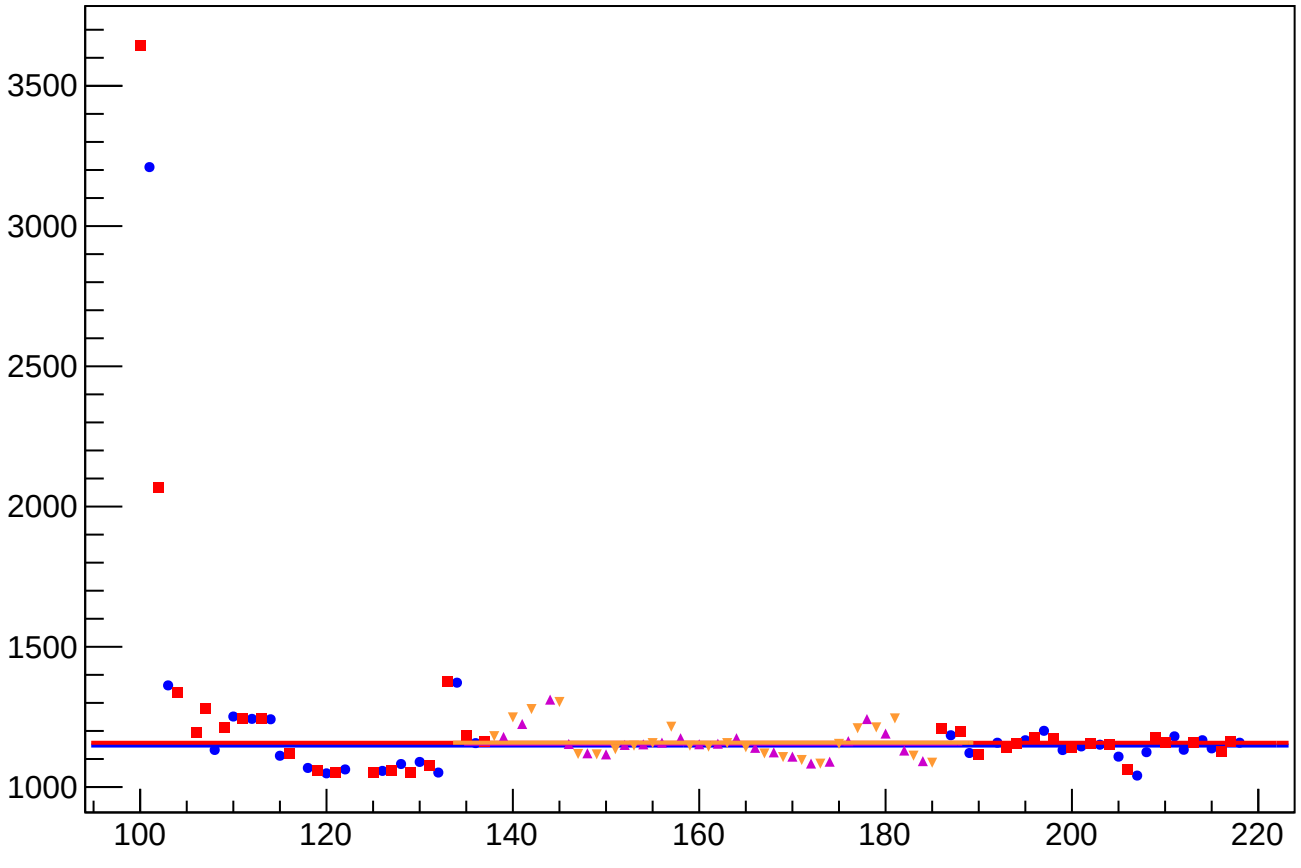
Right: 752.907+/-0.159 χ^2/NDF: 56724525.5/65

In: 1171.591+/-0.217 χ^2/NDF:47175761.3/54

Out: 1048.880+/-0.203 χ^2/NDF:49224793.8/57

All: 1106.325+/-0.148 χ^2/NDF: 96570889.0/1


dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -133.630+/-257.672 χ²/NDF: 21.7/31
Left Out: 550.661+/-269.206 χ²/NDF:45.2/23
Right Out: 377.633+/-260.333 χ²/NDF: 41.5/33
Left In: -421.023+/-269.815 χ²/NDF:18.0/22
Left: 65.917+/-190.572 χ²/NDF: 69.7/46
Right: 119.375+/-183.135 χ²/NDF: 65.2/65
In: -270.714+/-186.346 χ²/NDF:40.3/54
Out: 461.248+/-187.141 χ²/NDF:87.0/57
All: 93.709+/-132.047 χ²/NDF: 134.9/112



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: 1157.904+/-0.184 χ^2/NDF: 357128.9/33

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

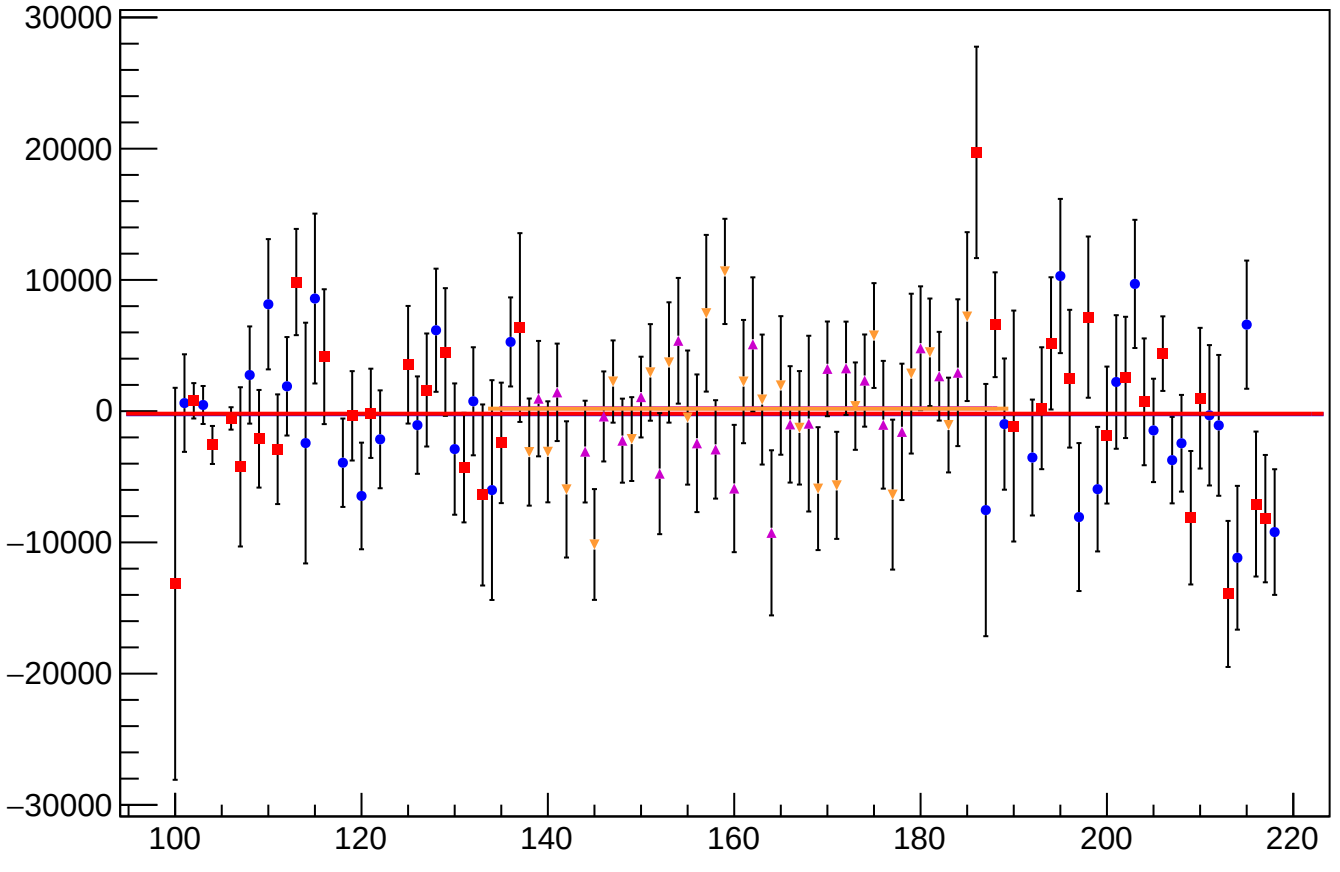
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1152.835+/-0.129 χ^2/NDF: 1025277.8/65

In: 1150.903+/-0.132 χ^2/NDF:733706.0/54

Out: 1158.036+/-0.132 χ^2/NDF:441241.7/57

All: 1154.455+/-0.093 χ^2/NDF: 1176406.6/11



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: -194.219+/-513.401 χ^2/NDF: 44.6/33

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

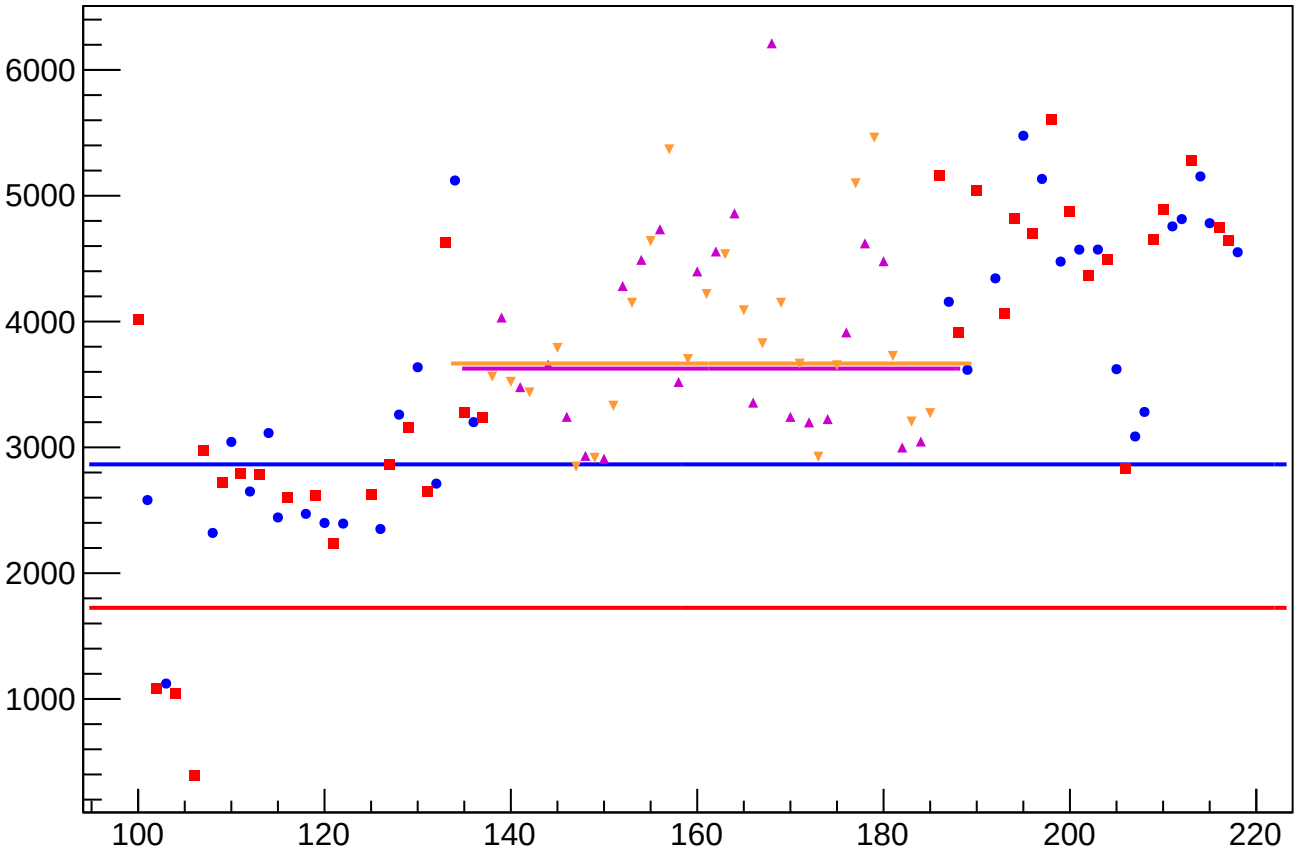
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: -207.974+/-414.906 χ^2/NDF: 82.9/65

In: -52.283+/-546.173 χ^2/NDF:51.9/54

Out: -94.951+/-442.080 χ^2/NDF:74.0/57

All: -78.062+/-343.623 χ^2/NDF: 125.9/112



Right In: 2864.855+/-0.498 χ^2/NDF: 6577941.7/31

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1724.562+/-0.363 χ^2/NDF: 17522776.1/33

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

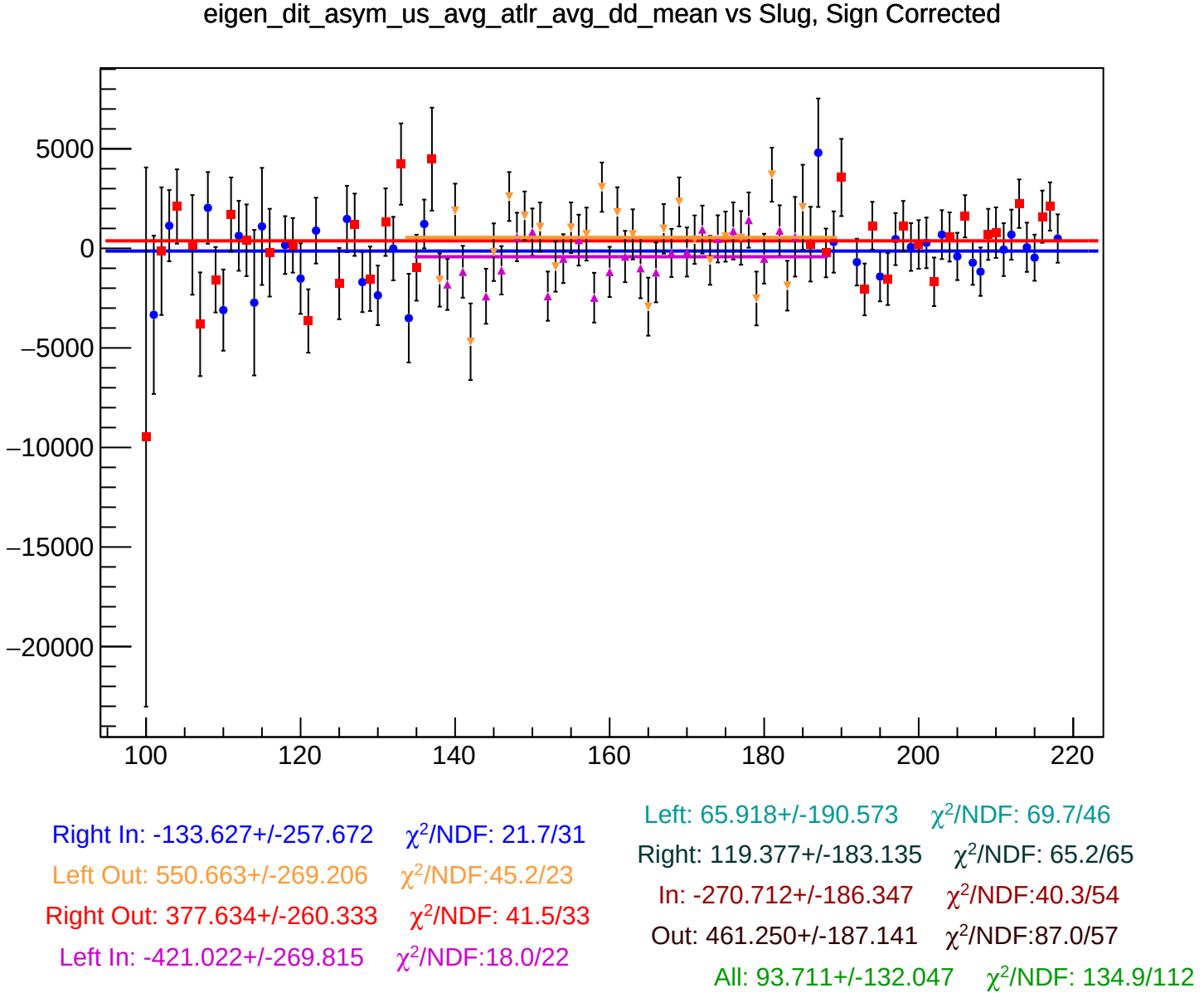
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

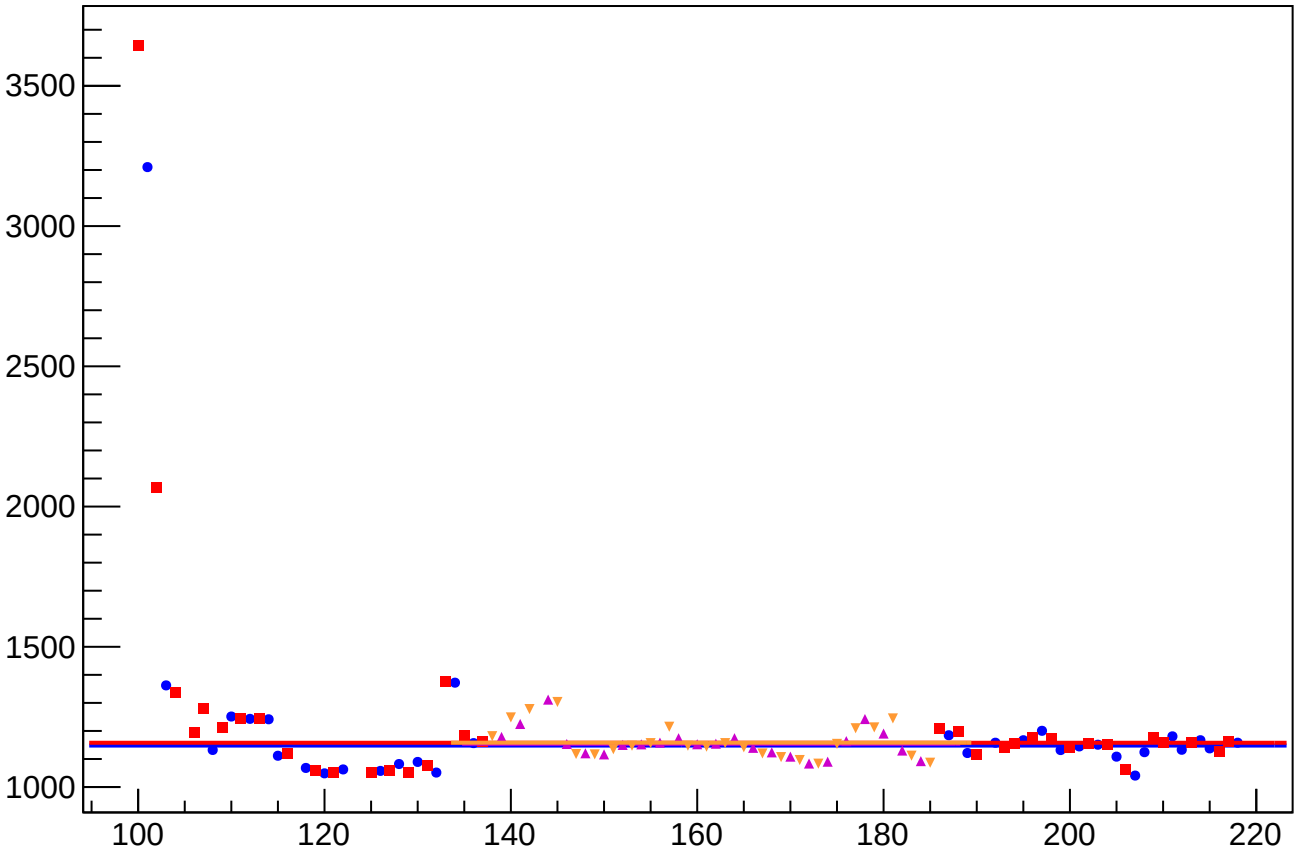
Right: 2120.119+/-0.293 χ^2/NDF: 27523207.8/65

In: 3168.444+/-0.386 χ^2/NDF:8767071.6/54

Out: 2226.641+/-0.313 χ^2/NDF:26016916.6/57

All: 2599.431+/-0.243 χ^2/NDF: 38376950.6/1


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -133.627+/-257.672 χ²/NDF: 21.7/31
Left Out: 550.663+/-269.206 χ²/NDF:45.2/23
Right Out: 377.634+/-260.333 χ²/NDF: 41.5/33
Left In: -421.022+/-269.815 χ²/NDF:18.0/22
Left: 65.918+/-190.573 χ²/NDF: 69.7/46
Right: 119.377+/-183.135 χ²/NDF: 65.2/65
In: -270.712+/-186.347 χ²/NDF:40.3/54
Out: 461.250+/-187.141 χ²/NDF:87.0/57
All: 93.711+/-132.047 χ²/NDF: 134.9/112



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: 1157.904+/-0.184 χ^2/NDF: 357128.7/33

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

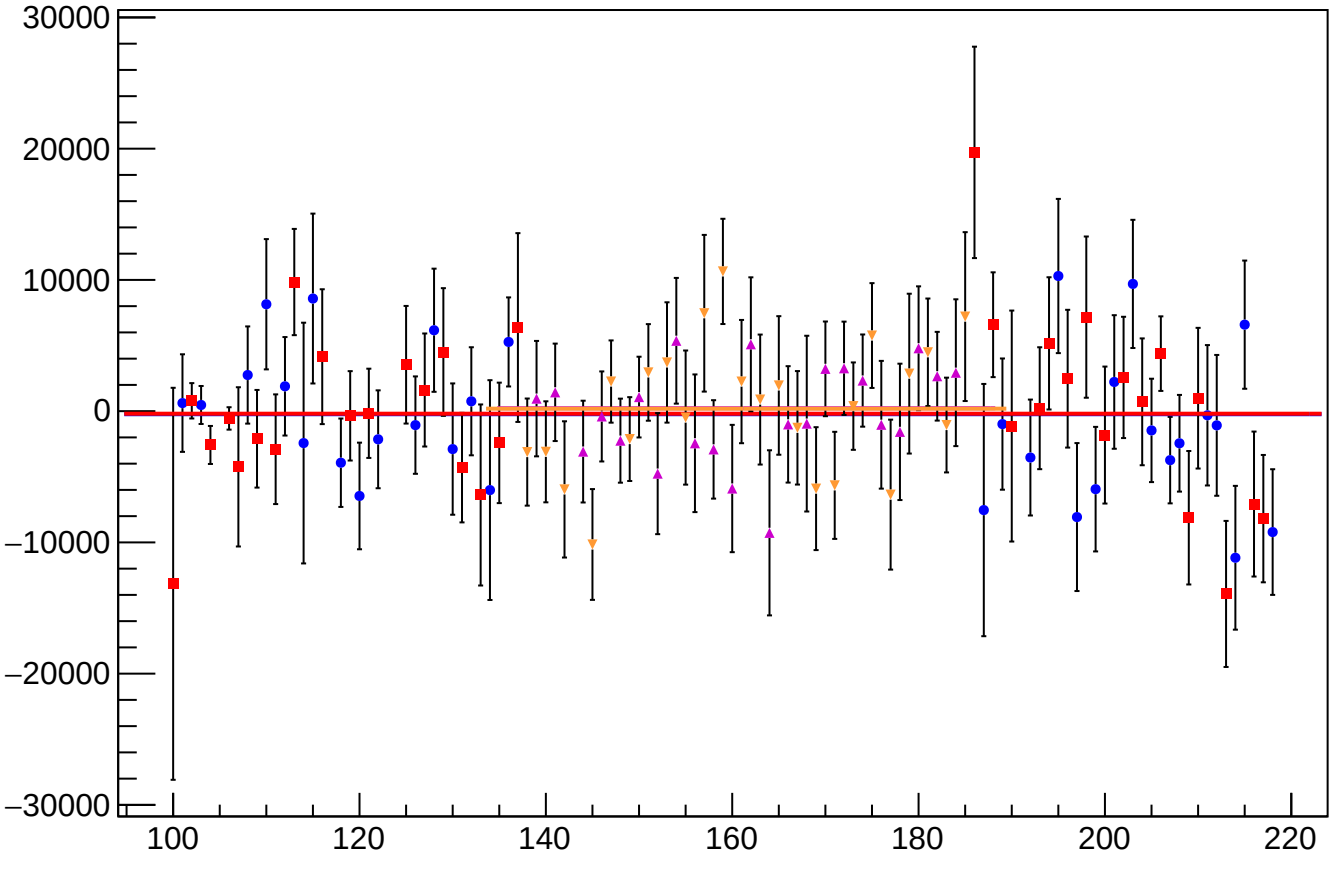
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1152.835+/-0.129 χ^2/NDF: 1025278.0/65

In: 1150.904+/-0.132 χ^2/NDF:733709.1/54

Out: 1158.036+/-0.132 χ^2/NDF:441244.0/57

All: 1154.455+/-0.093 χ^2/NDF: 1176412.0/11



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: -194.224+/-513.396 χ^2/NDF: 44.6/33

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

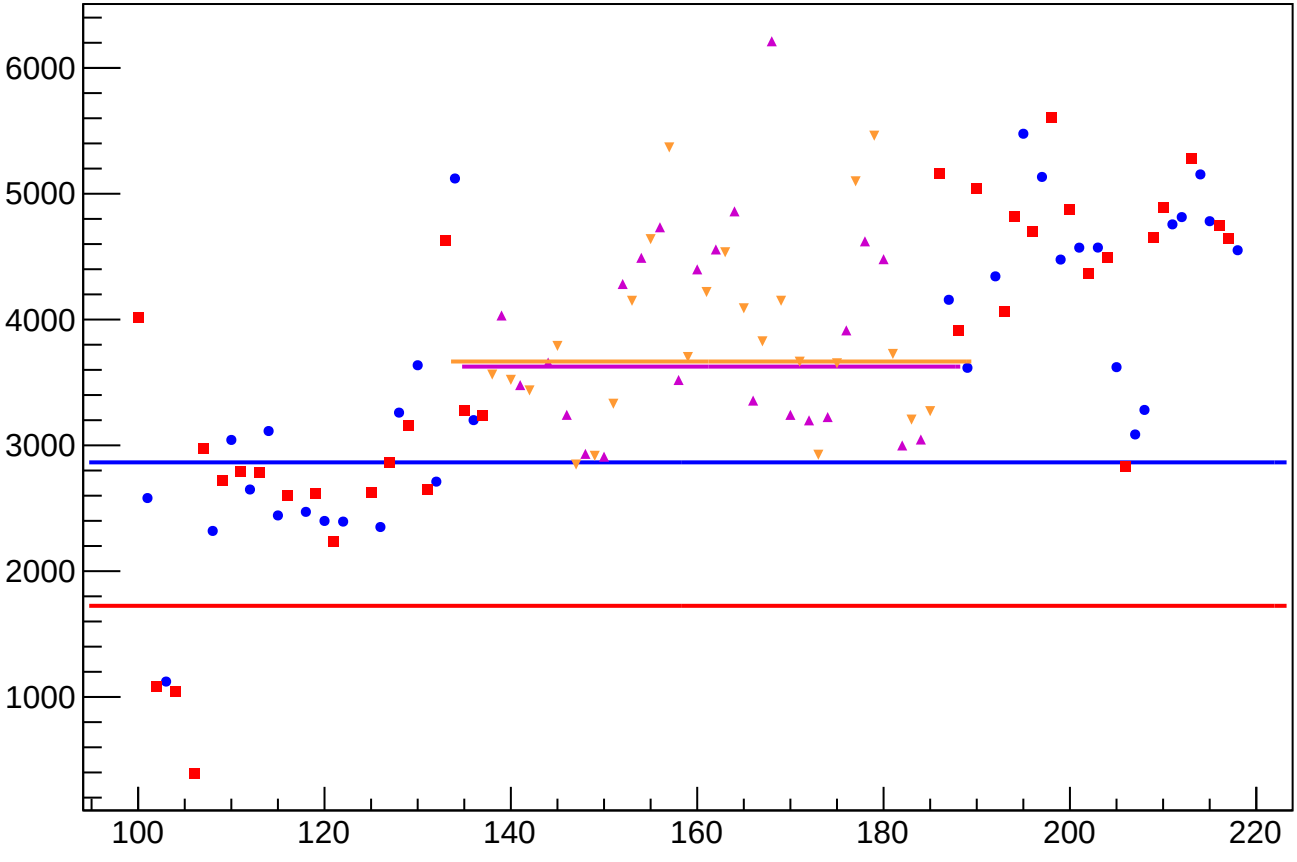
Right: -207.978+/-414.903 χ^2/NDF: 82.9/65

In: -52.284+/-546.173 χ^2/NDF:51.9/54

Out: -94.957+/-442.077 χ^2/NDF:74.0/57

All: -78.066+/-343.621 χ^2/NDF: 125.9/112

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2864.852+/-0.498 χ^2/NDF: 6577972.0/31

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1724.532+/-0.363 χ^2/NDF: 17523125.3/33

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

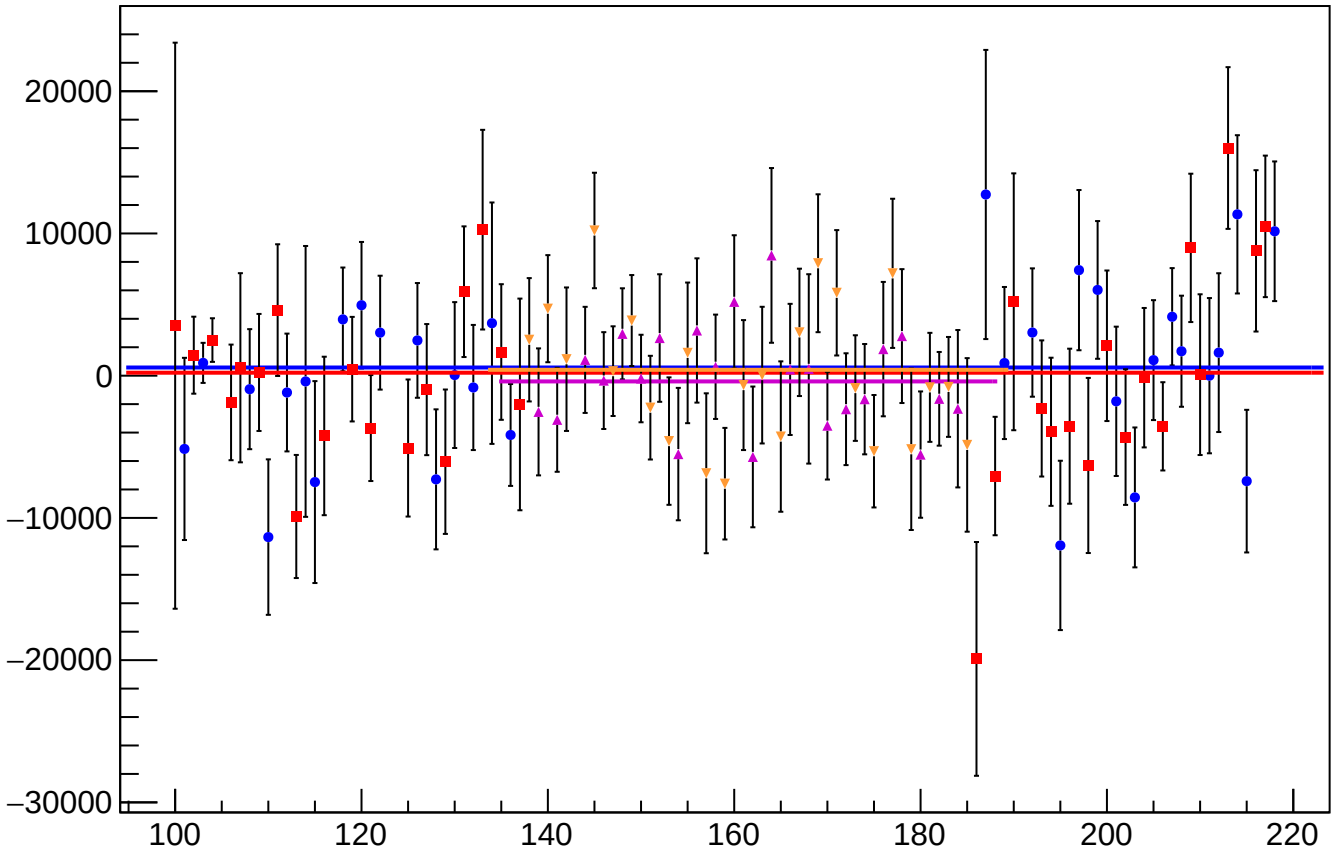
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

Right: 2120.094+/-0.293 χ^2/NDF: 27523777.9/65

In: 3168.444+/-0.386 χ^2/NDF:8767123.5/54

Out: 2226.612+/-0.313 χ^2/NDF:26017559.6/57

All: 2599.410+/-0.243 χ^2/NDF: 38377885.1/1



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: 209.479+/-732.330 χ^2/NDF: 48.9/33

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

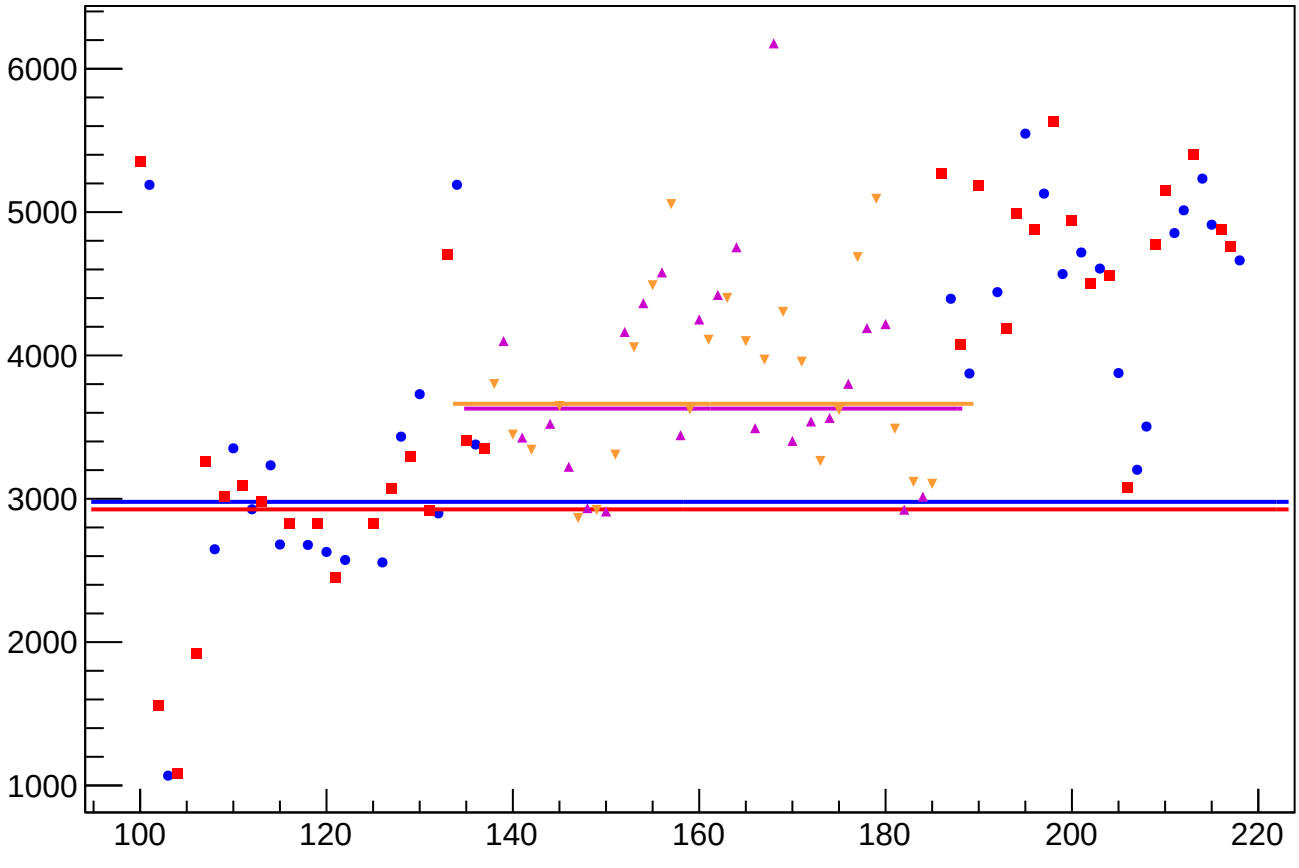
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: 391.216+/-519.559 χ^2/NDF: 87.1/65

In: 162.080+/-560.389 χ^2/NDF:51.1/54

Out: 294.620+/-559.010 χ^2/NDF:76.1/57

All: 228.513+/-395.766 χ^2/NDF: 127.2/112



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: 2926.125+/-0.517 χ^2/NDF: 7498722.5/33

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

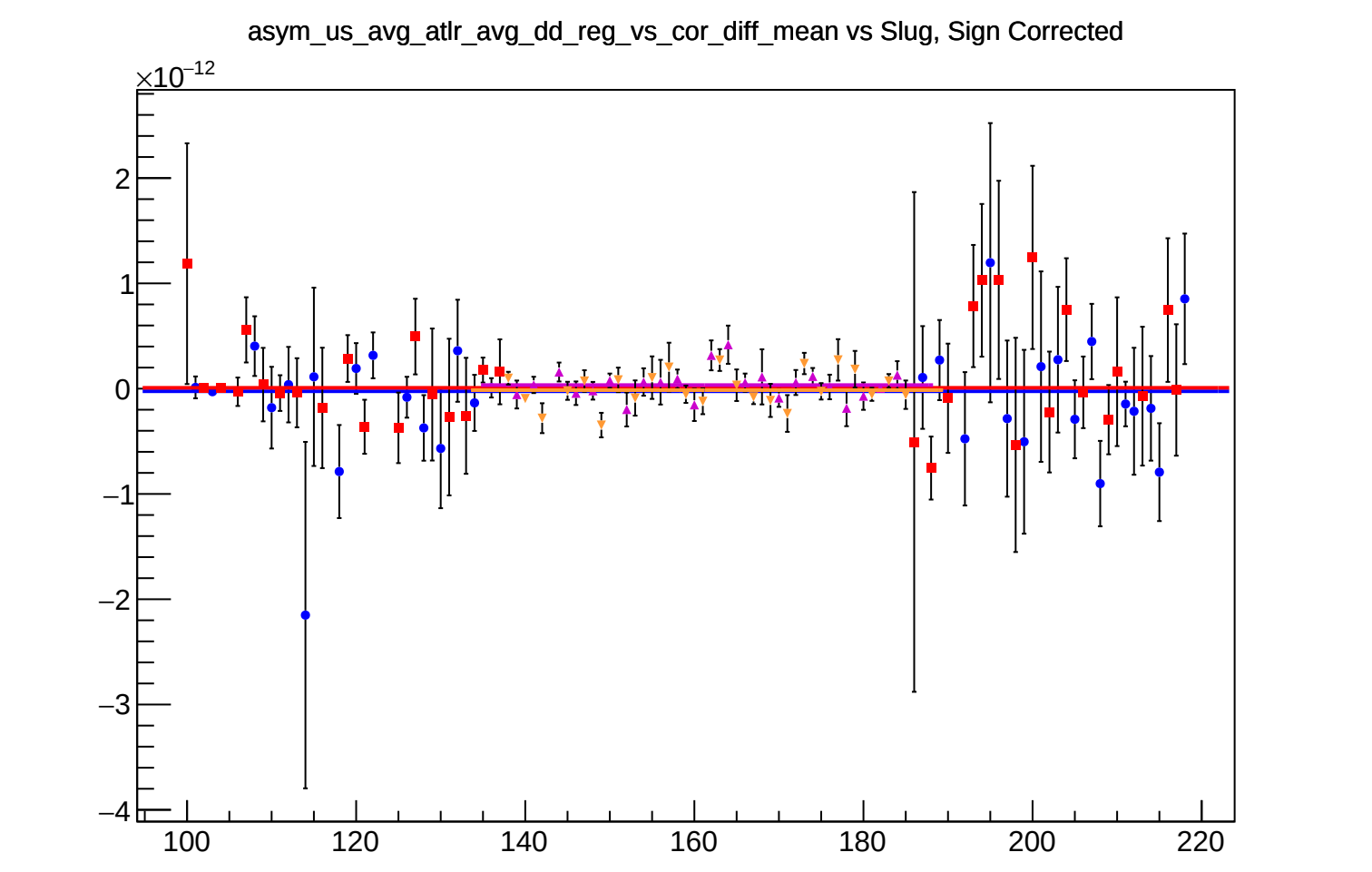
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

Right: 2952.135+/-0.367 χ^2/NDF: 14858733.1/65

In: 3253.267+/-0.396 χ^2/NDF:9067489.7/54

Out: 3232.928+/-0.395 χ^2/NDF:9237585.3/57

All: 3243.063+/-0.280 χ^2/NDF: 18306396.7/



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: 32.4/33

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

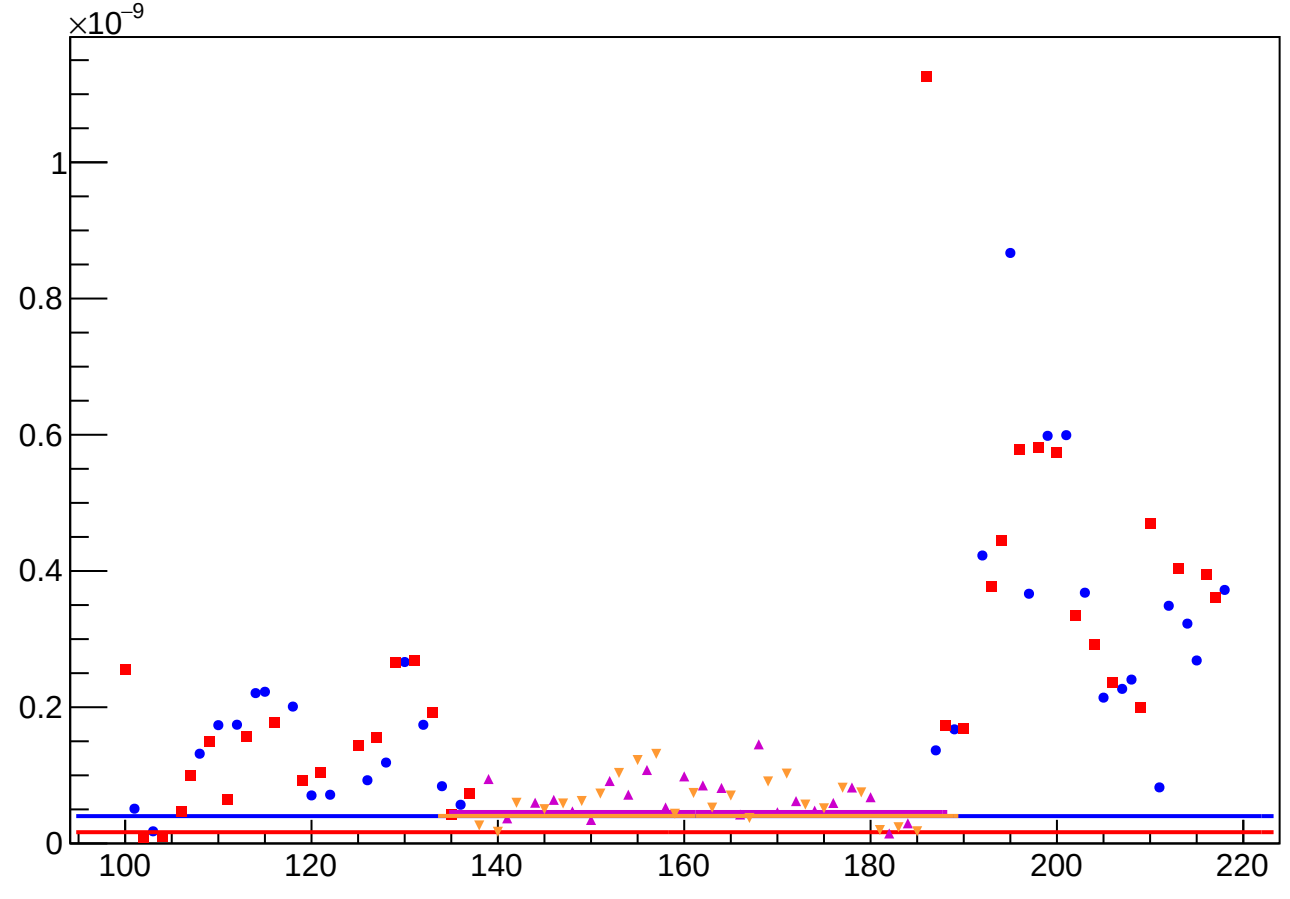
Left: 0.000+/-0.000 χ^2/NDF: 71.2/46

Right: -0.000+/-0.000 χ^2/NDF: 62.4/65

In: 0.000+/-0.000 χ^2/NDF:54.9/54

Out: -0.000+/-0.000 χ^2/NDF:78.6/57

All: 0.000+/-0.000 χ^2/NDF: 133.8/112



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: 13983225.4/33

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

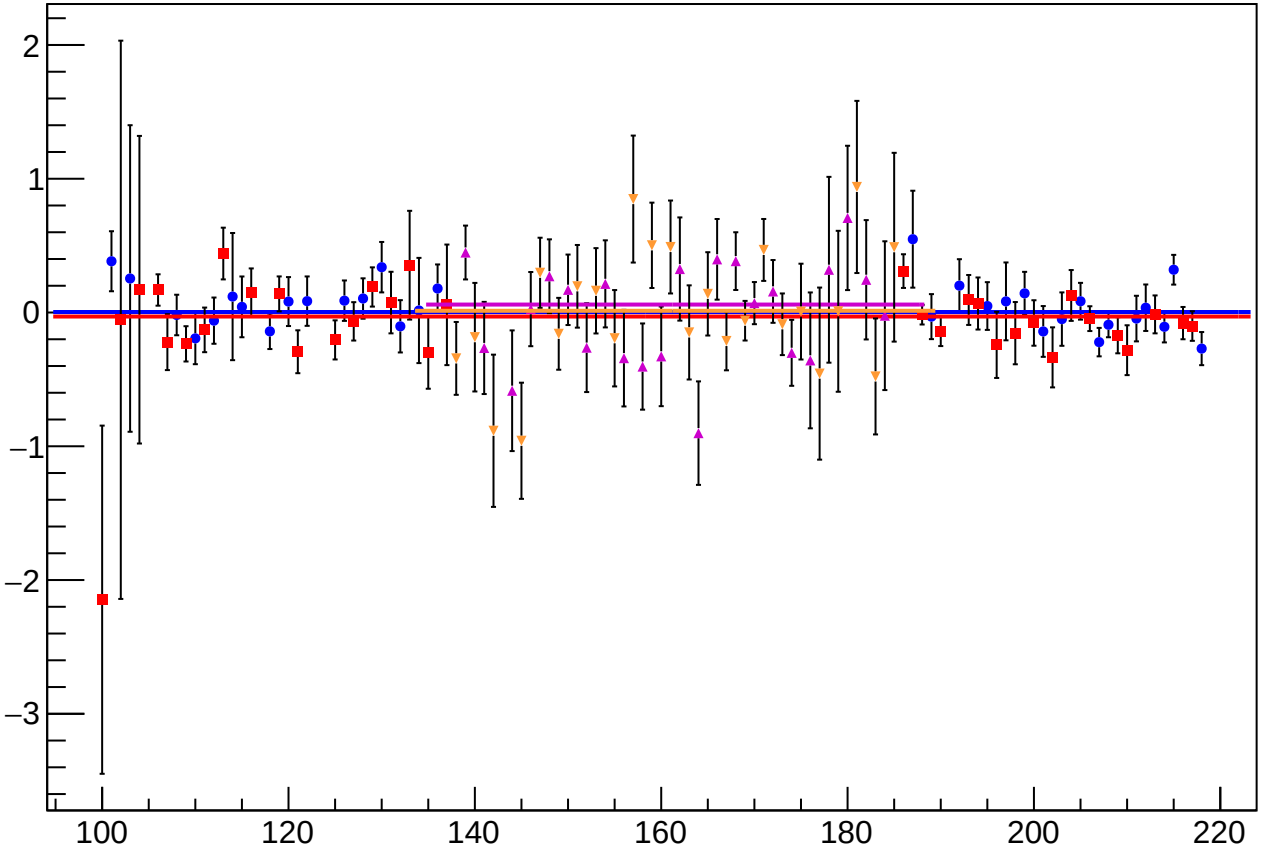
Right: 0.000+/-0.000 χ^2/NDF: 26588359.0/65

In: 0.000+/-0.000 χ^2/NDF:14301525.1/54

Out: 0.000+/-0.000 χ^2/NDF:19434446.2/57

All: 0.000+/-0.000 χ^2/NDF: 35443407.3/112

asym_us_avg_atlr_avg_dd_dit_vs_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: -0.030+/-0.026 χ^2/NDF: 42.4/33

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

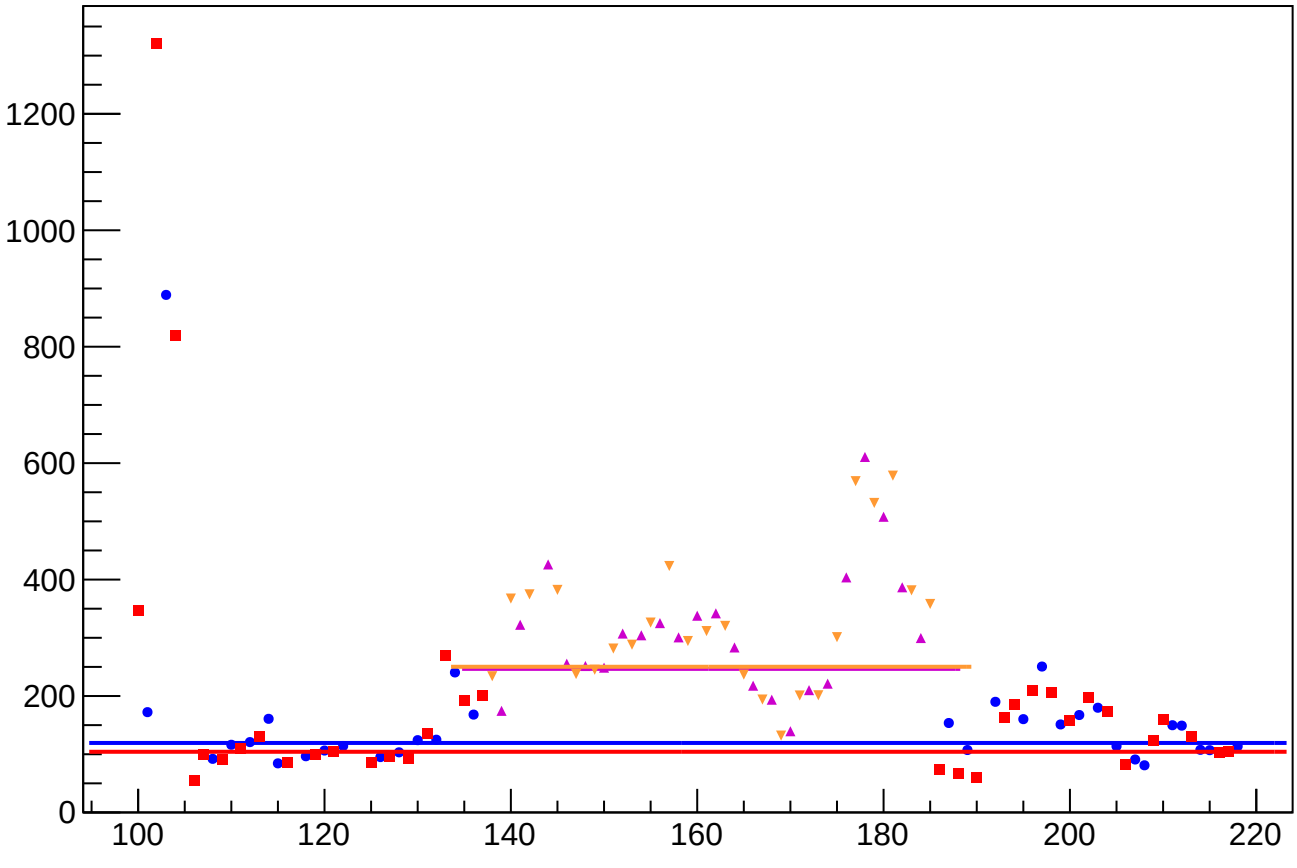
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.015+/-0.020 χ^2/NDF: 78.8/65

In: 0.014+/-0.026 χ^2/NDF:64.2/54

Out: -0.024+/-0.024 χ^2/NDF:72.2/57

All: -0.006+/-0.018 χ^2/NDF: 137.5/112



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: 104.227+/-0.019 χ^2/NDF: 6123765.9/33

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

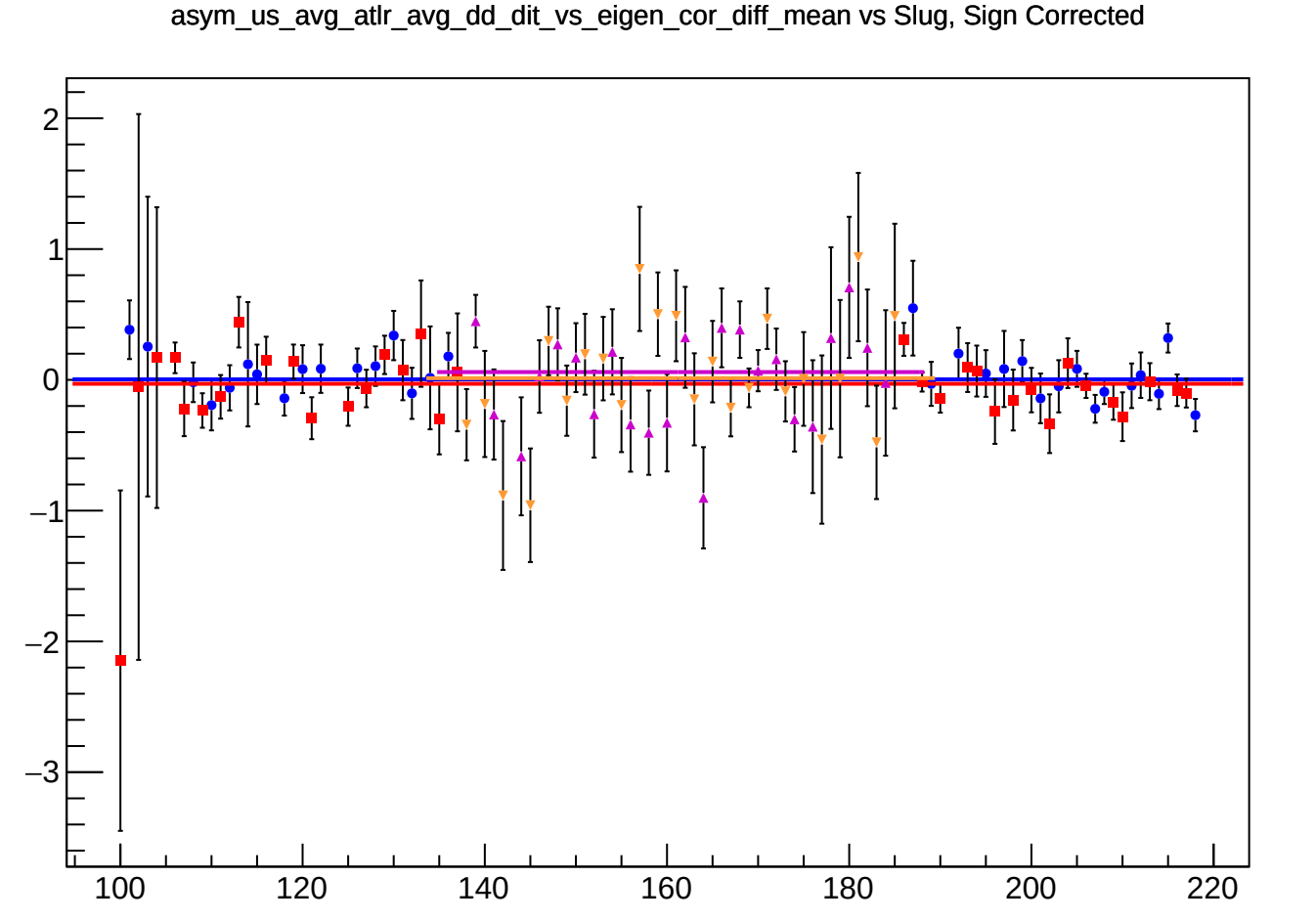
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 111.109+/-0.014 χ^2/NDF: 9889968.0/65

In: 142.204+/-0.019 χ^2/NDF:14151512.5/54

Out: 126.076+/-0.017 χ^2/NDF:19611111.6/57

All: 133.541+/-0.013 χ^2/NDF: 34167906.7/11



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: -0.030+/-0.026 χ^2/NDF: 42.4/33

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

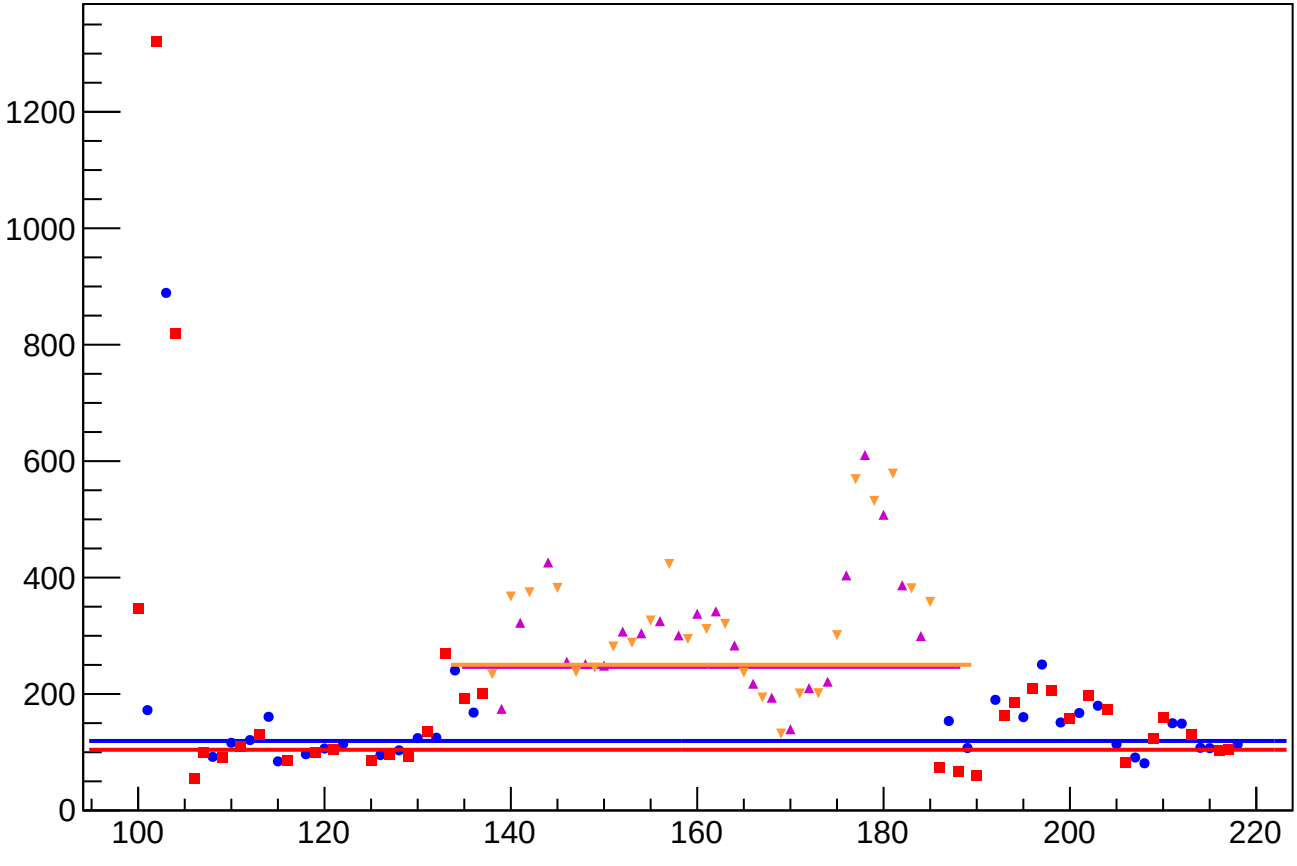
Right: -0.015+/-0.020 χ^2/NDF: 78.8/65

In: 0.014+/-0.026 χ^2/NDF:64.2/54

Out: -0.024+/-0.024 χ^2/NDF:72.2/57

All: -0.006+/-0.018 χ^2/NDF: 137.5/112

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 104.227+/-0.019 χ^2/NDF: 6123765.9/33

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

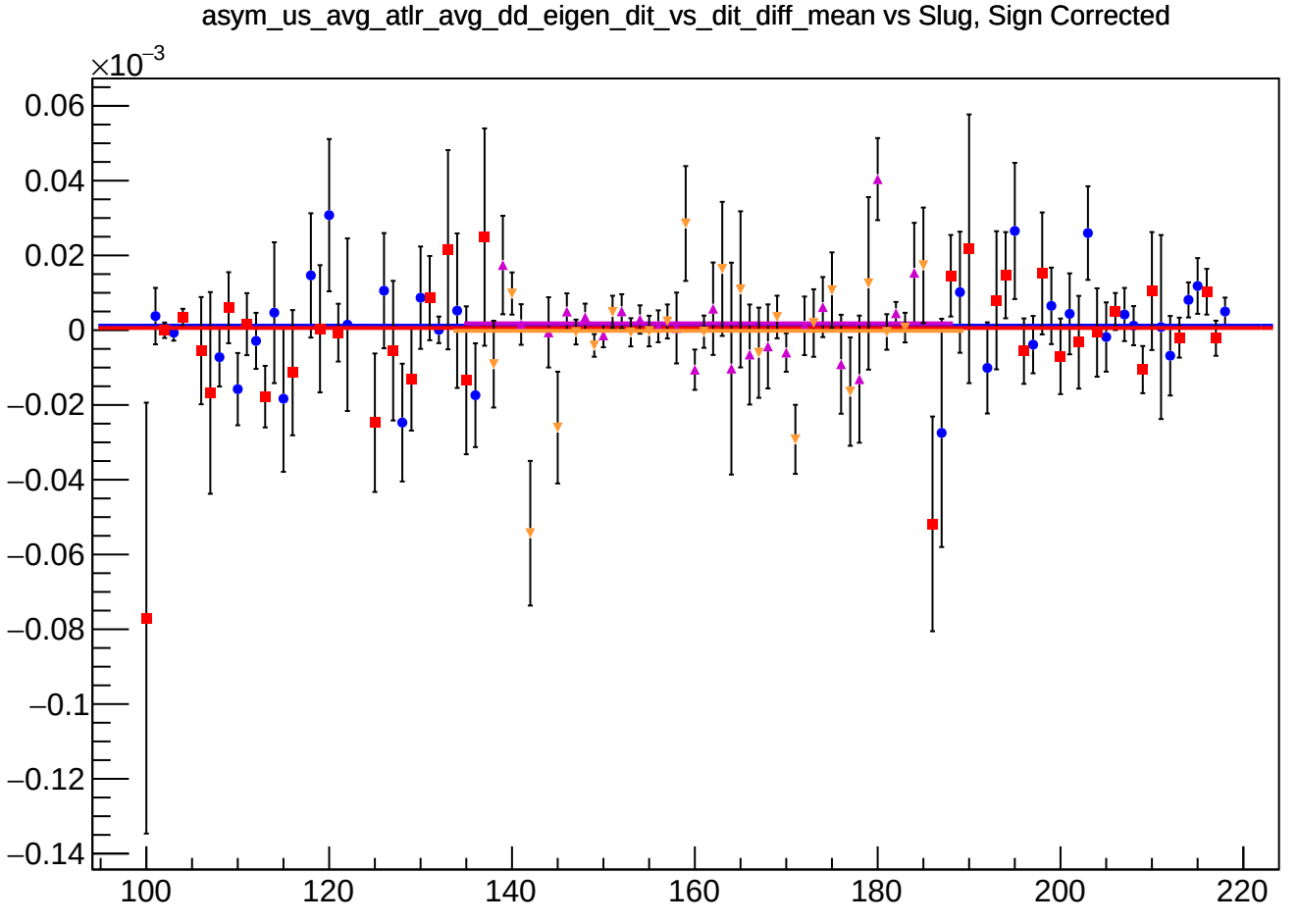
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 111.109+/-0.014 χ^2/NDF: 9889968.0/65

In: 142.204+/-0.019 χ^2/NDF:14151512.5/54

Out: 126.076+/-0.017 χ^2/NDF:19611111.6/57

All: 133.541+/-0.013 χ^2/NDF: 34167906.7/11



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: 31.4/33

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

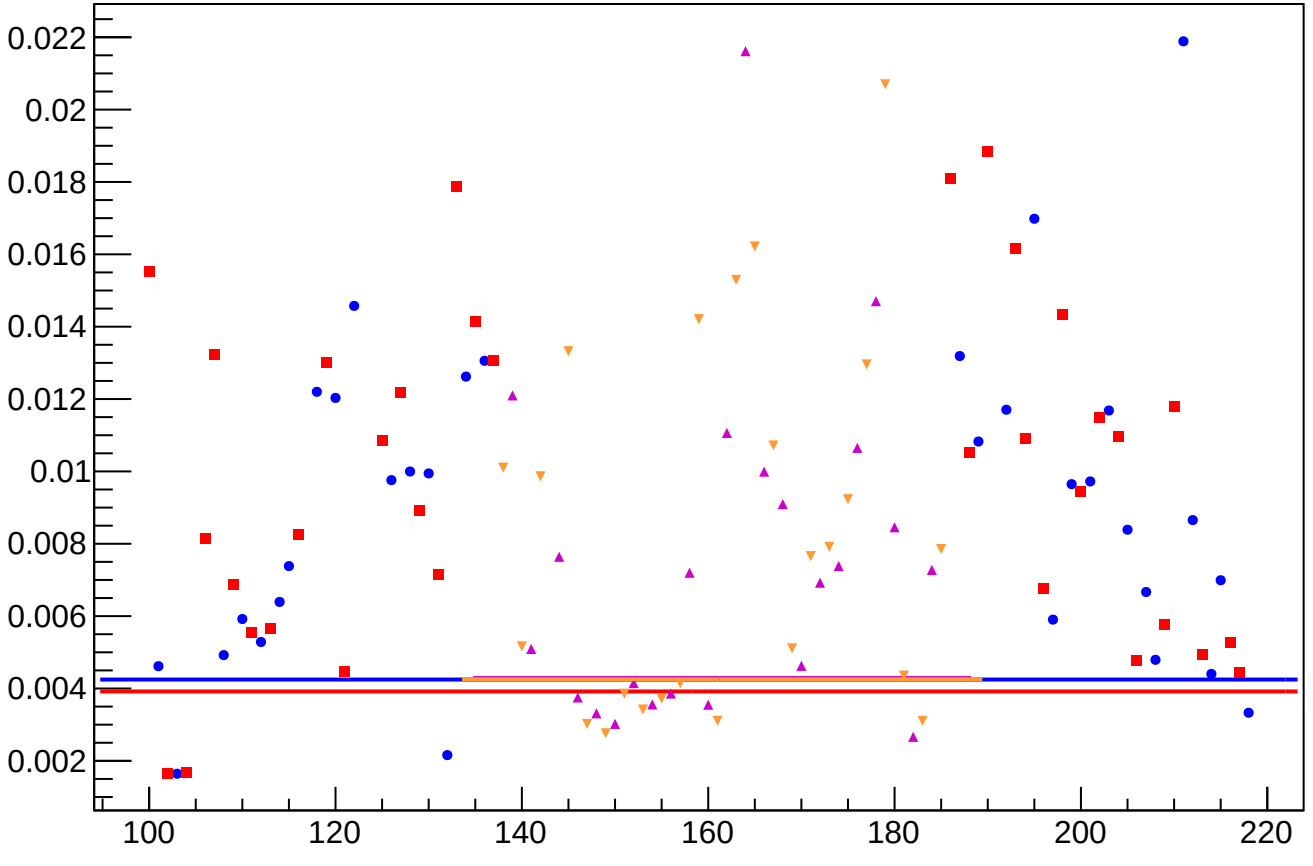
Right: 0.000+/-0.000 χ^2/NDF: 60.9/65

In: 0.000+/-0.000 χ^2/NDF:57.7/54

Out: 0.000+/-0.000 χ^2/NDF:68.8/57

All: 0.000+/-0.000 χ^2/NDF: 127.7/112

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: 15365237.6/33

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

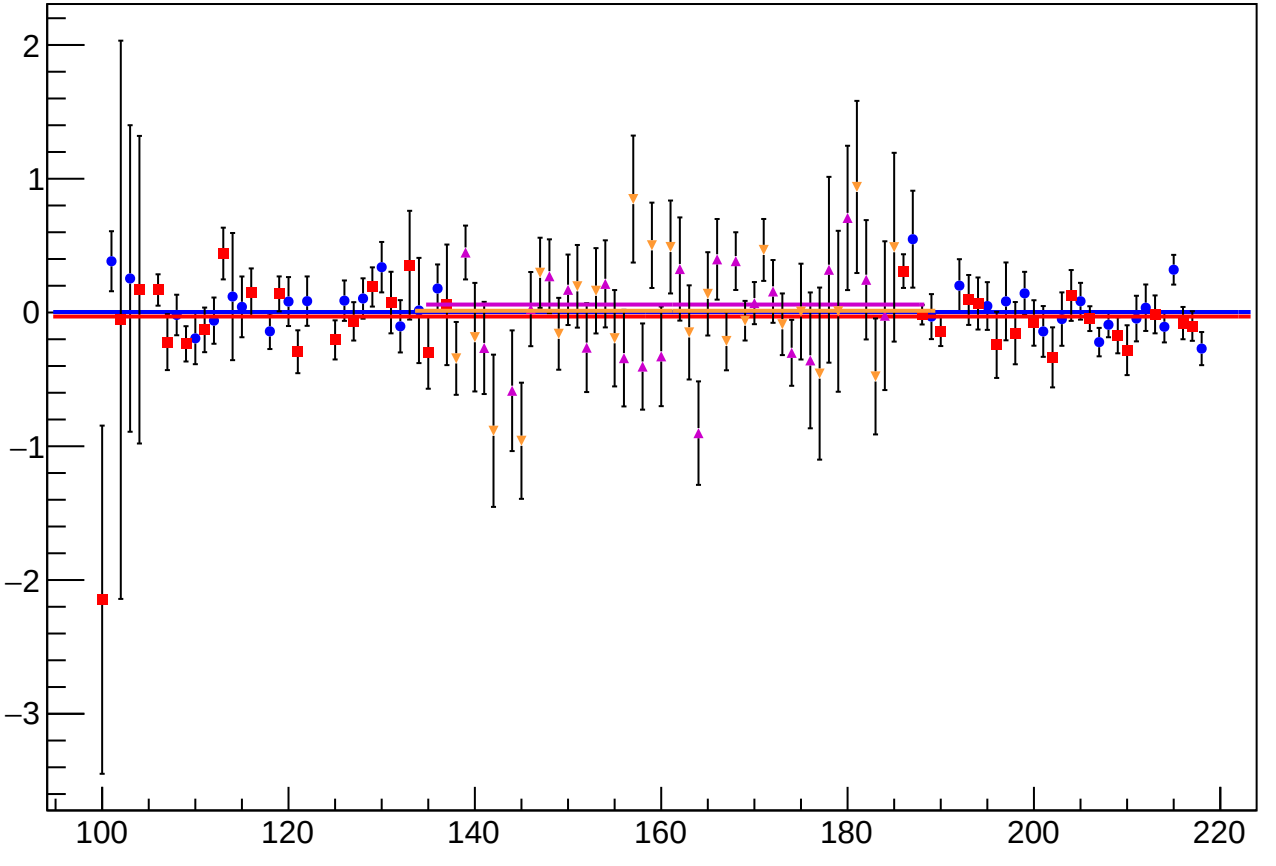
Right: 0.004+/-0.000 χ^2/NDF: 29032859.5/65

In: 0.004+/-0.000 χ^2/NDF:20190470.8/54

Out: 0.004+/-0.000 χ^2/NDF:23941675.3/57

All: 0.004+/-0.000 χ^2/NDF: 44181171.0/112

asym_us_avg_atlr_avg_dd_eigen_dit_vs_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: -0.030+/-0.026 χ^2/NDF: 42.4/33

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

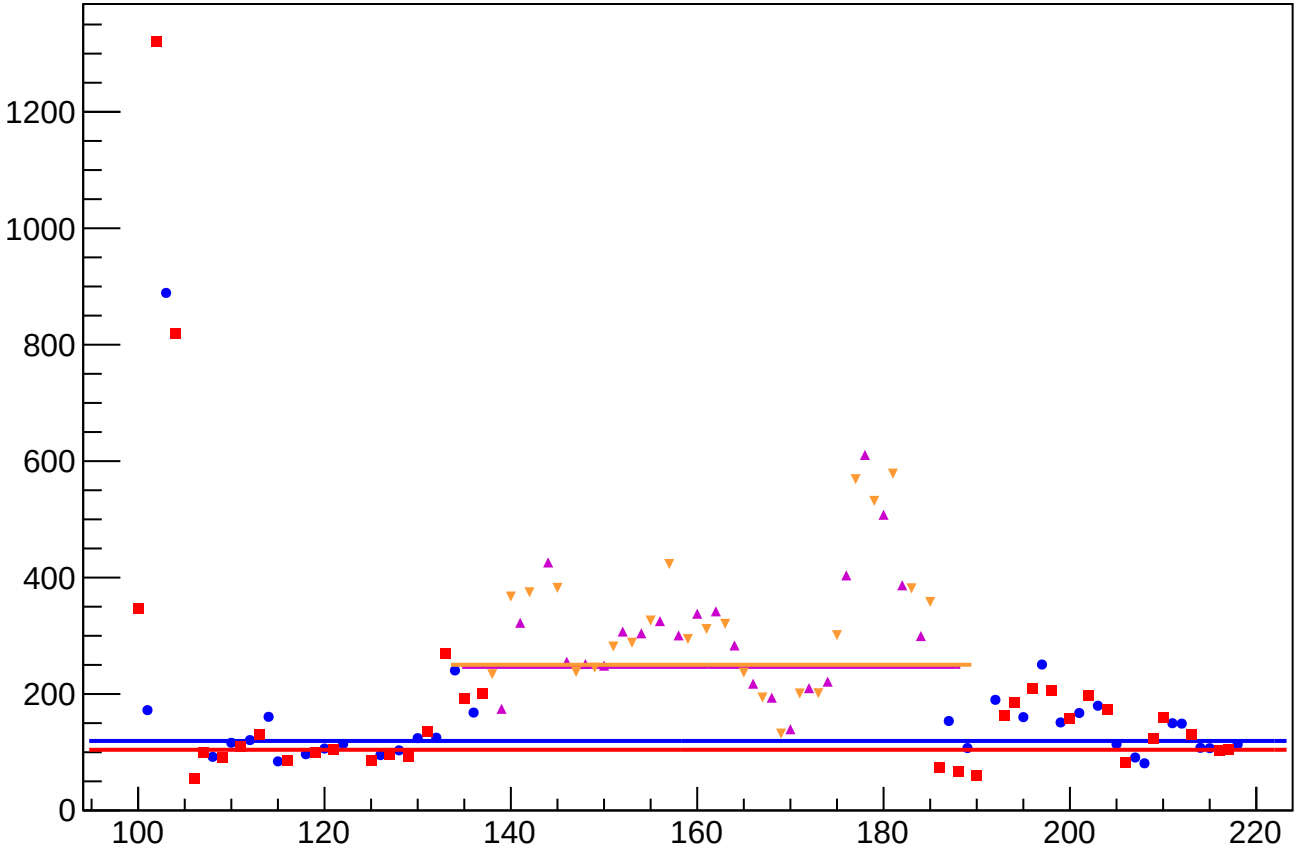
Right: -0.015+/-0.020 χ^2/NDF: 78.8/65

In: 0.014+/-0.026 χ^2/NDF:64.2/54

Out: -0.024+/-0.024 χ^2/NDF:72.2/57

All: -0.006+/-0.018 χ^2/NDF: 137.5/112

asym_us_avg_atlr_avg_dd_eigen_dit_vs_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: 104.223+/-0.019 χ^2/NDF: 6124340.8/33

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

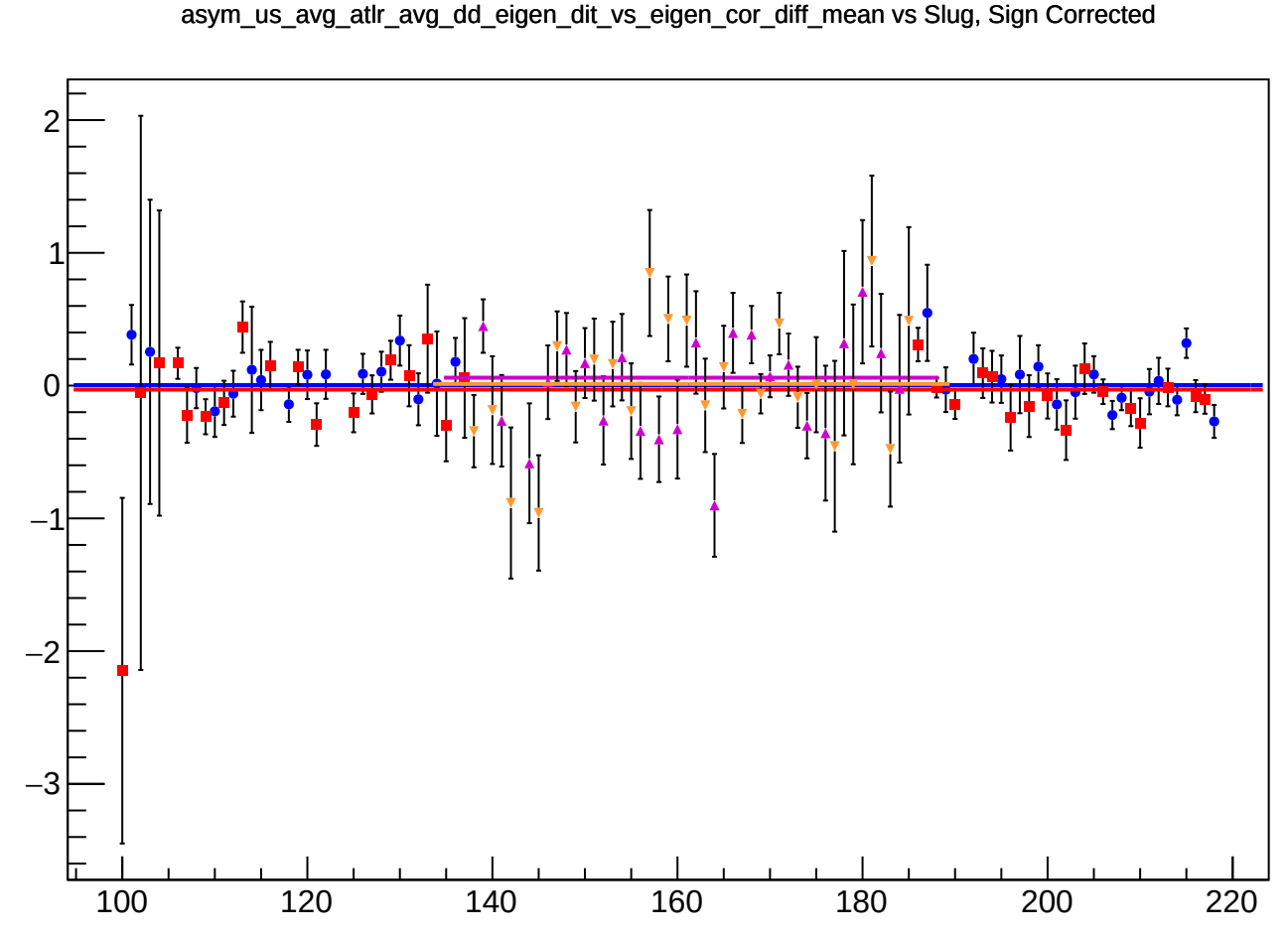
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 111.107+/-0.014 χ^2/NDF: 9890735.2/65

In: 142.203+/-0.019 χ^2/NDF:14151893.5/54

Out: 126.072+/-0.017 χ^2/NDF:19612357.7/57

All: 133.538+/-0.013 χ^2/NDF: 34169689.2/11



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: -0.030+/-0.026 χ^2/NDF: 42.4/33

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

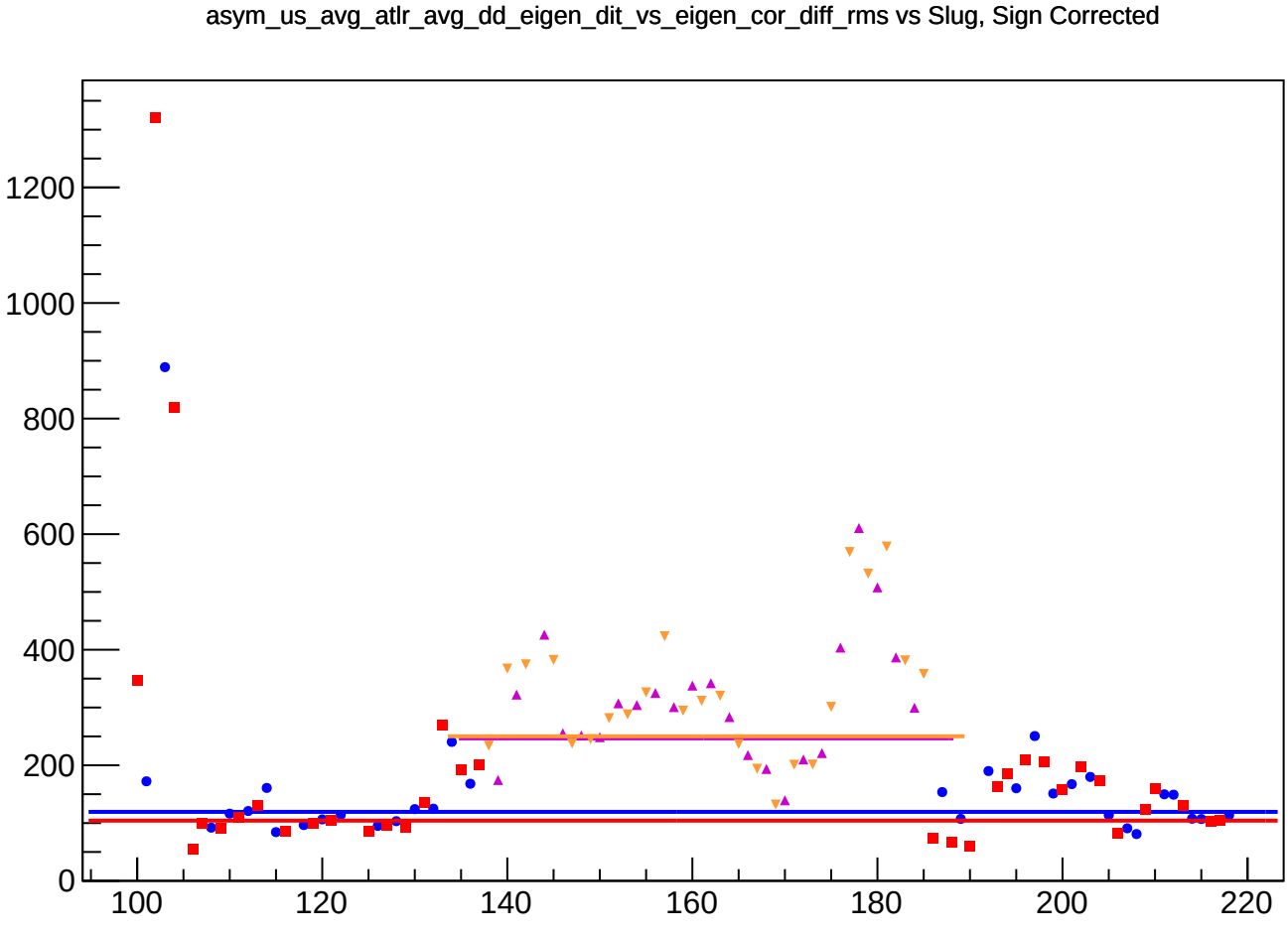
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.015+/-0.020 χ^2/NDF: 78.8/65

In: 0.014+/-0.026 χ^2/NDF:64.2/54

Out: -0.024+/-0.024 χ^2/NDF:72.2/57

All: -0.006+/-0.018 χ^2/NDF: 137.5/112



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: 104.223+/-0.019 χ^2/NDF: 6124340.8/33

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

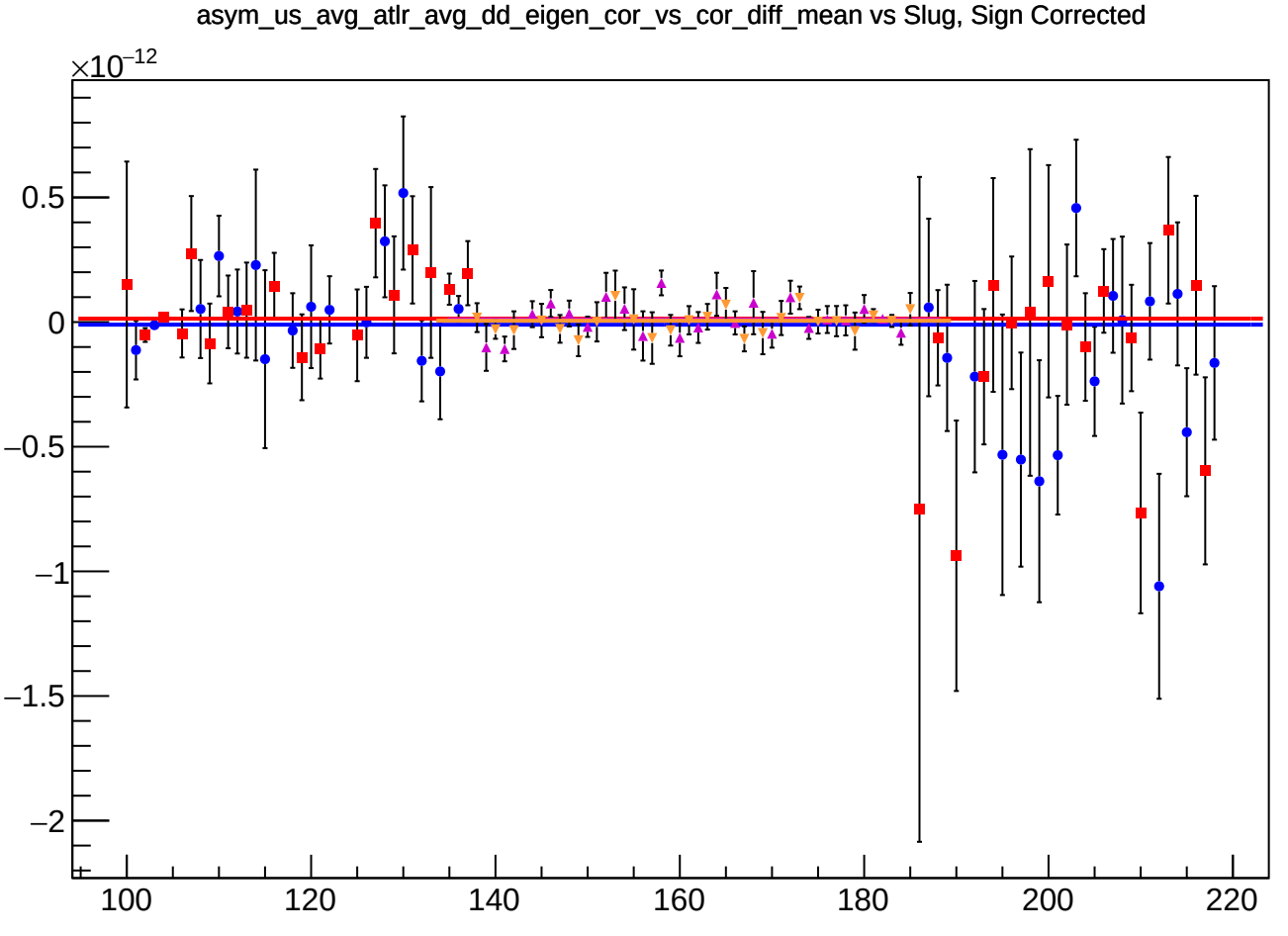
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 111.107+/-0.014 χ^2/NDF: 9890735.2/65

In: 142.203+/-0.019 χ^2/NDF:14151893.5/54

Out: 126.072+/-0.017 χ^2/NDF:19612357.7/57

All: 133.538+/-0.013 χ^2/NDF: 34169689.2/11



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: 35.3/33

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

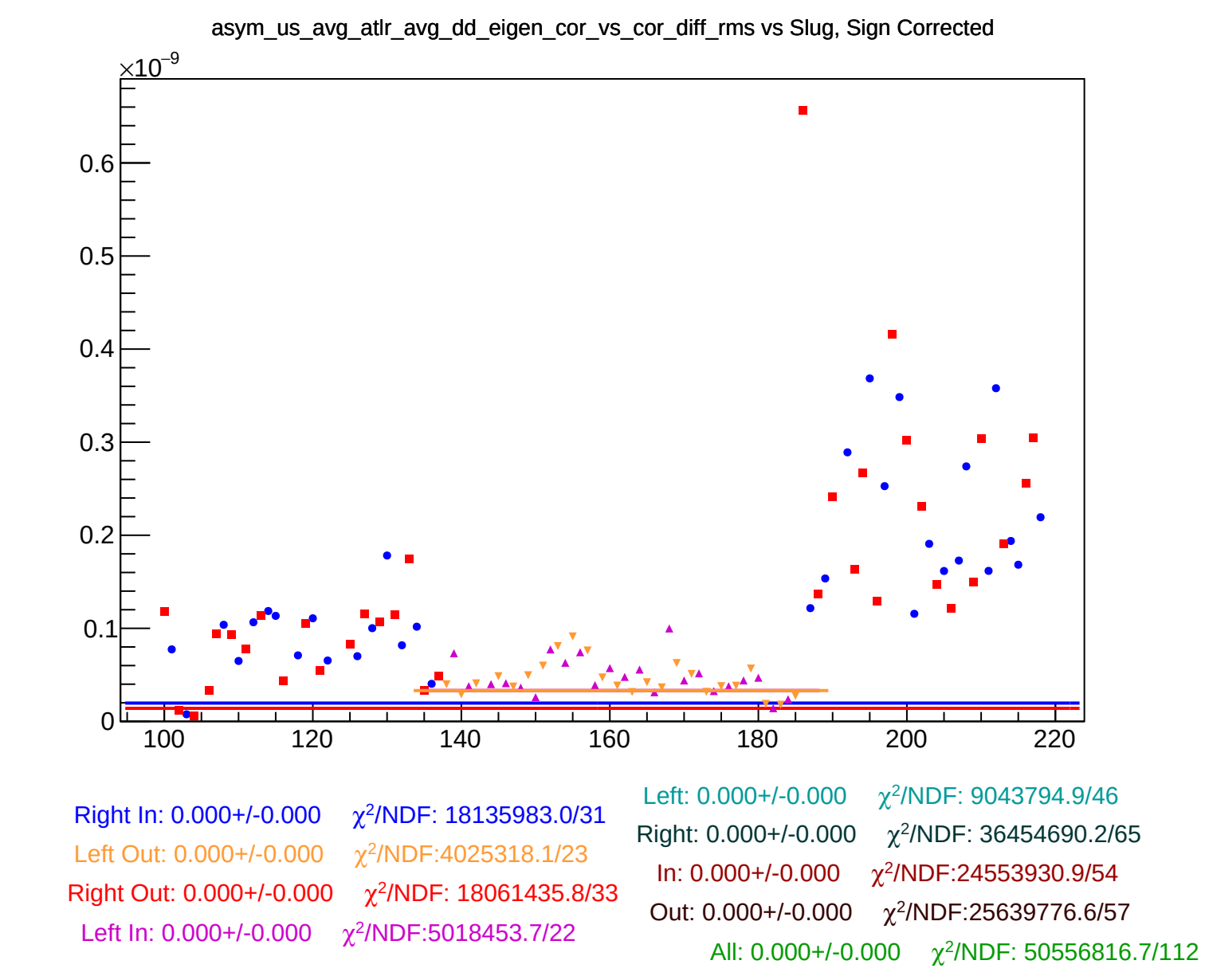
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

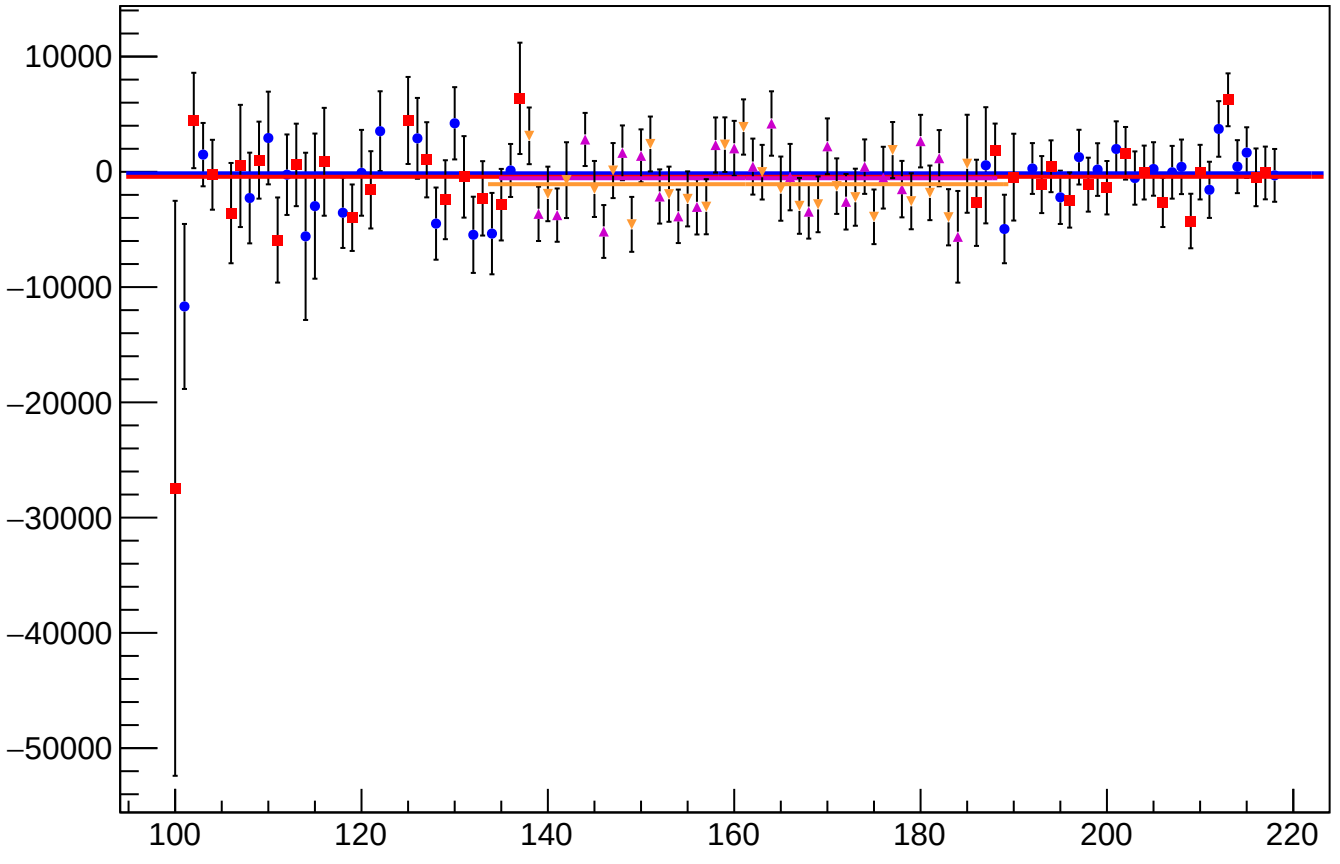
Right: 0.000+/-0.000 χ^2/NDF: 73.3/65

In: 0.000+/-0.000 χ^2/NDF:65.3/54

Out: 0.000+/-0.000 χ^2/NDF:49.4/57

All: 0.000+/-0.000 χ^2/NDF: 115.3/112


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 18135983.0/31
Left Out: 0.000+/-0.000 χ²/NDF:4025318.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 18061435.8/33
Left In: 0.000+/-0.000 χ²/NDF:5018453.7/22
Left: 0.000+/-0.000 χ²/NDF: 9043794.9/46
Right: 0.000+/-0.000 χ²/NDF: 36454690.2/65
In: 0.000+/-0.000 χ²/NDF:24553930.9/54
Out: 0.000+/-0.000 χ²/NDF:25639776.6/57
All: 0.000+/-0.000 χ²/NDF: 50556816.7/112



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: -430.793+/-497.069 χ^2/NDF: 28.1/33

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

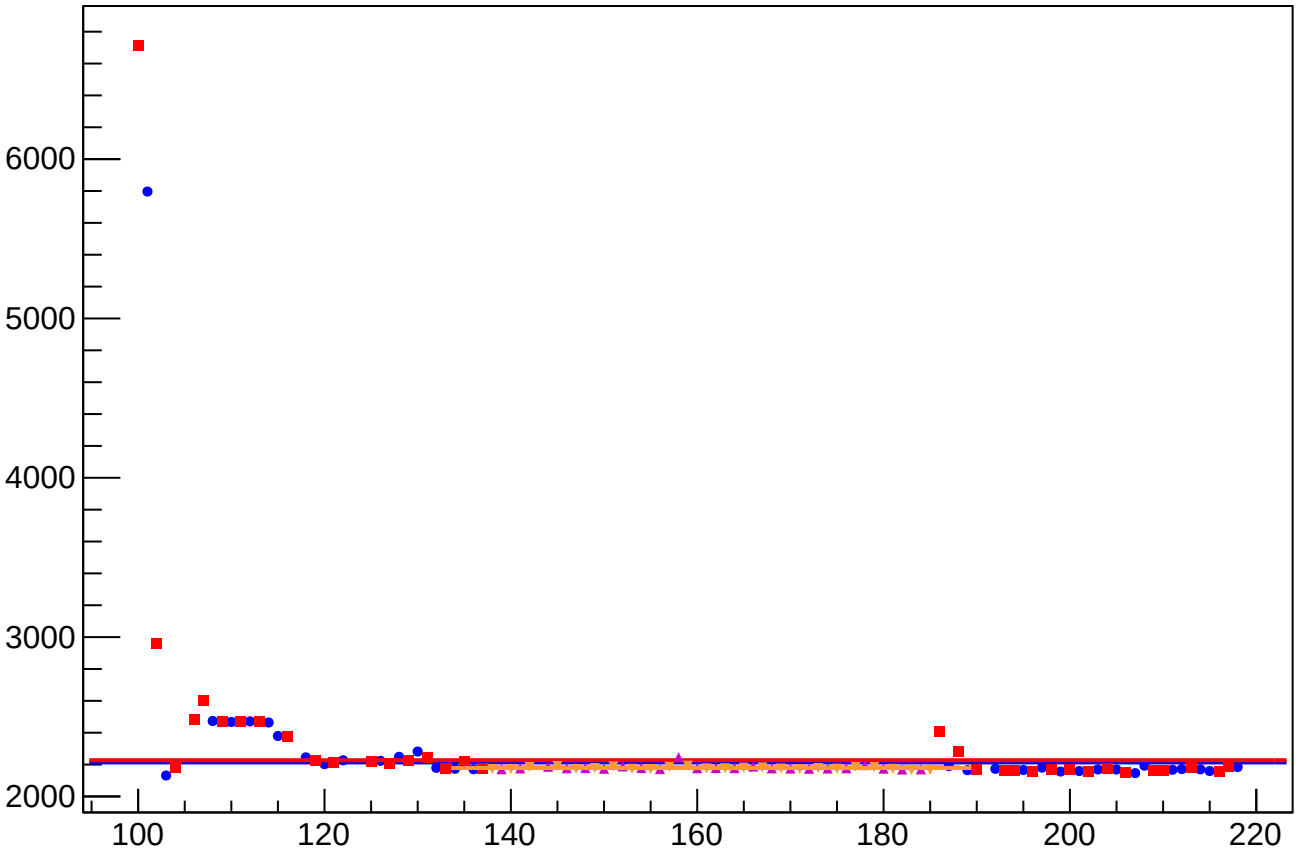
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -278.080+/-350.986 χ^2/NDF: 53.0/65

In: -335.835+/-355.182 χ^2/NDF:53.8/54

Out: -746.407+/-354.436 χ^2/NDF:50.4/57

All: -541.553+/-250.887 χ^2/NDF: 105.0/112



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: 2227.427+/-0.351 χ^2/NDF: 200423.5/33

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

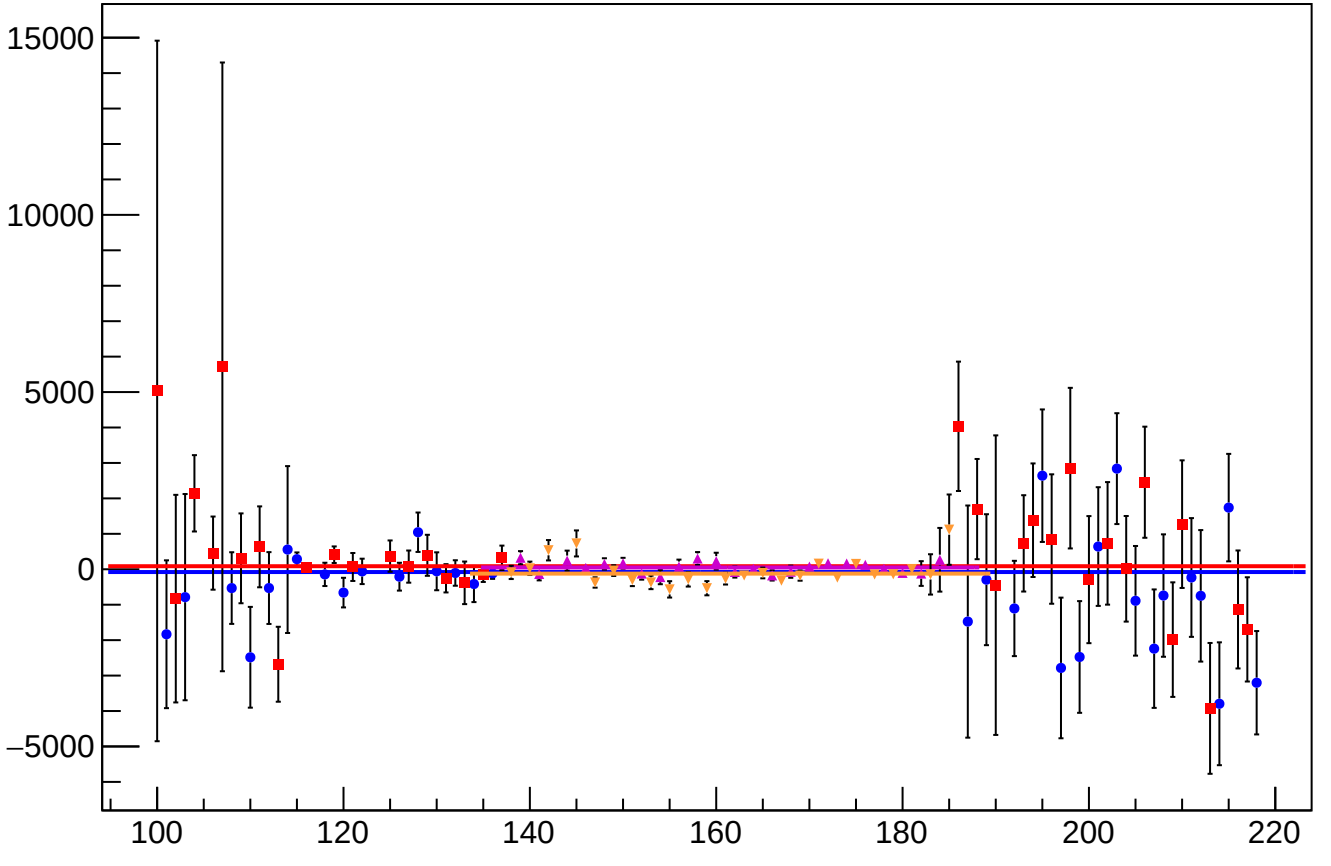
Right: 2220.419+/-0.248 χ^2/NDF: 749774.3/65

In: 2197.623+/-0.251 χ^2/NDF:554615.5/54

Out: 2203.251+/-0.251 χ^2/NDF:210437.6/57

All: 2200.443+/-0.177 χ^2/NDF: 765304.7/112

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: 86.048+/-80.863 χ^2/NDF: 37.5/33

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

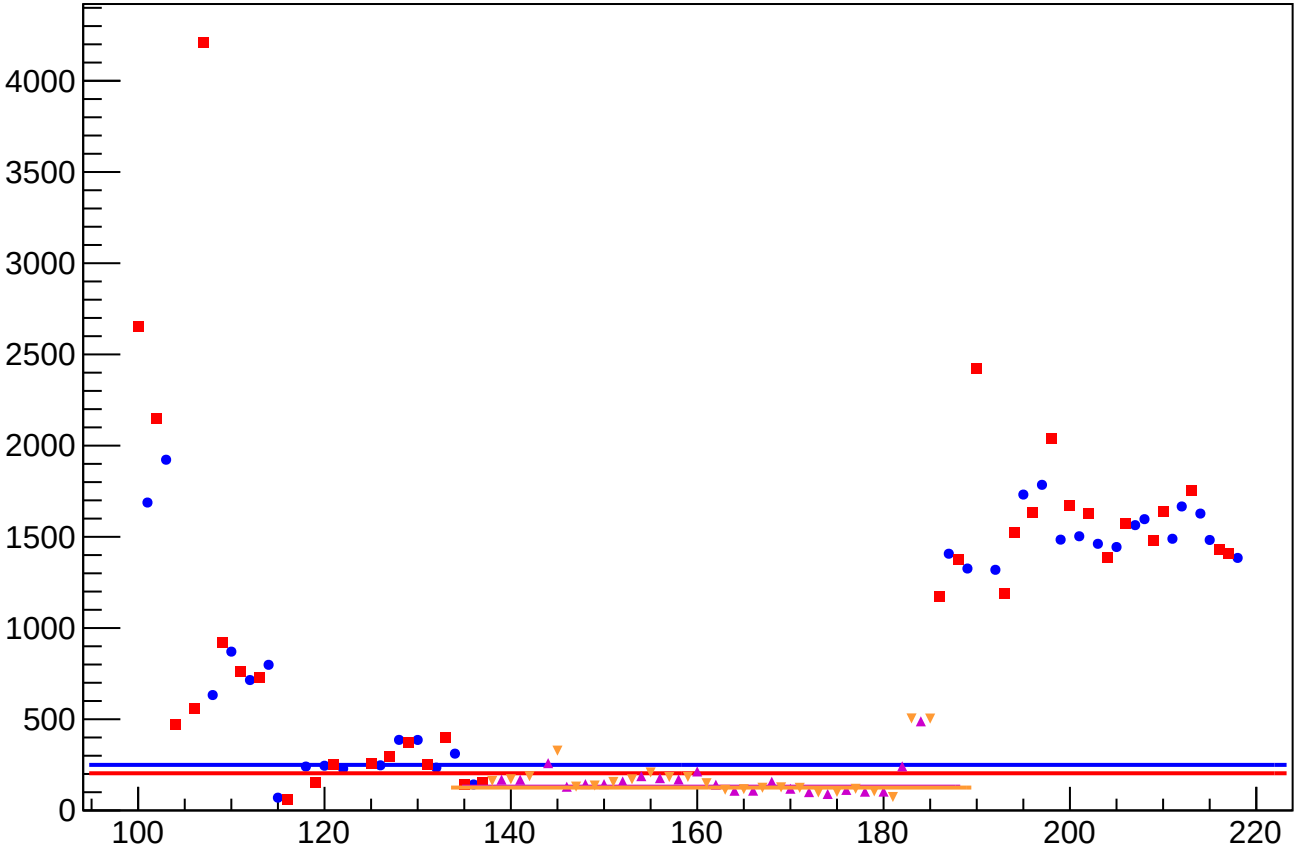
Right: 11.557+/-59.808 χ^2/NDF: 77.4/65

In: 35.094+/-30.560 χ^2/NDF:58.2/54

Out: -95.603+/-29.277 χ^2/NDF:87.1/57

All: -33.055+/-21.141 χ^2/NDF: 154.8/112

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: 203.824+/-0.057 χ^2/NDF: 26131161.5/33

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

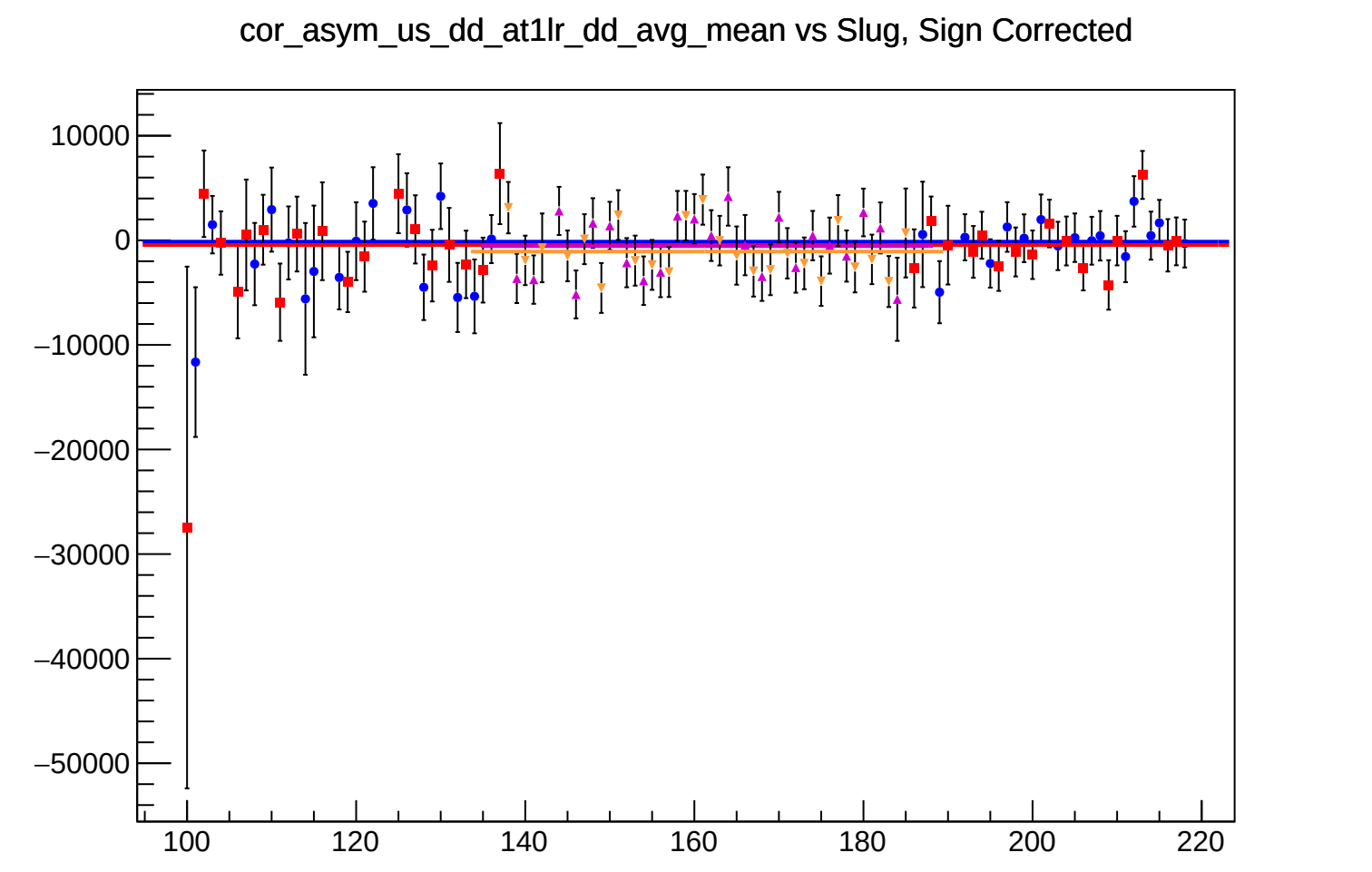
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 224.660+/-0.042 χ^2/NDF: 50215075.5/65

In: 144.555+/-0.022 χ^2/NDF:29653342.1/54

Out: 135.773+/-0.021 χ^2/NDF:31704055.6/57

All: 139.976+/-0.015 χ^2/NDF: 61443526.1/11



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: -446.056+/-497.203 χ^2/NDF: 28.6/33

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

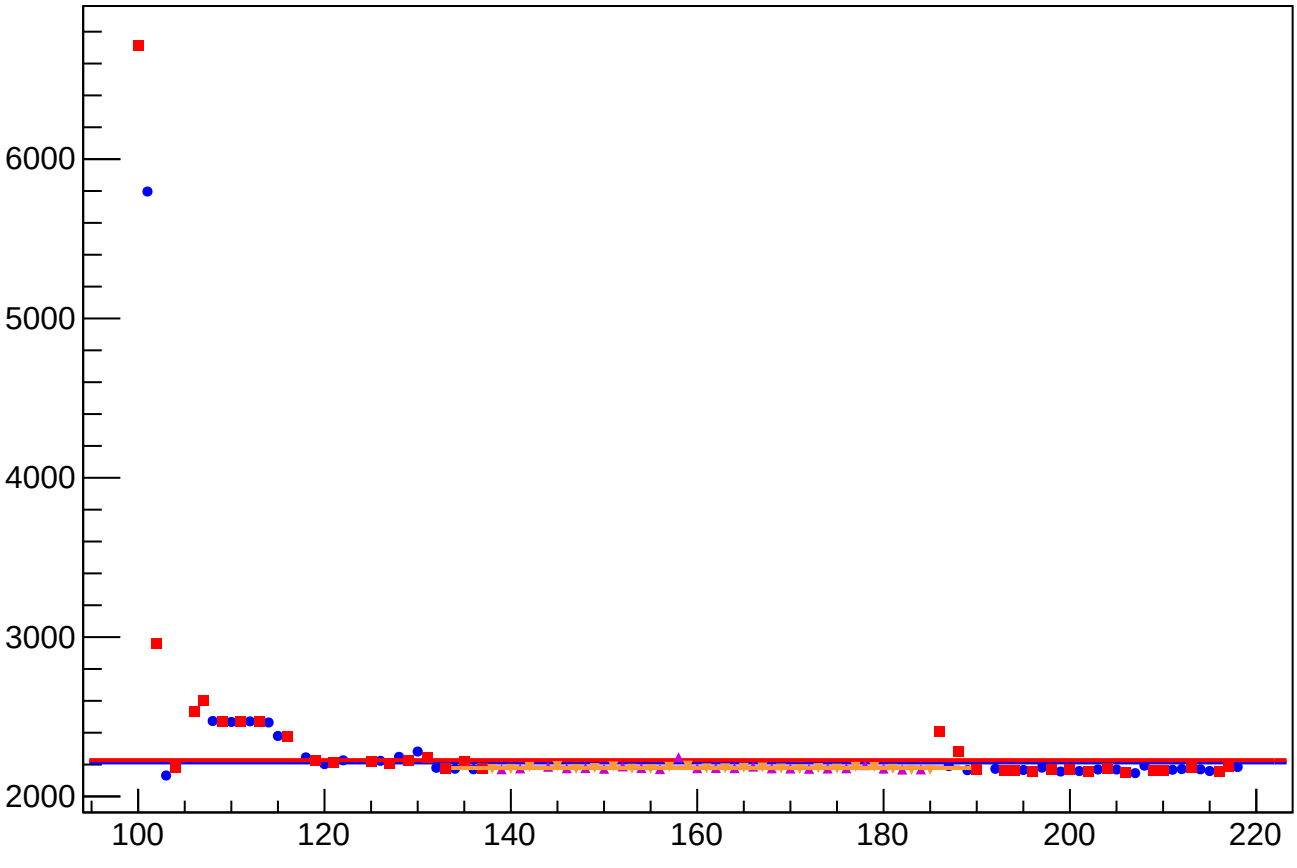
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -285.448+/-351.033 χ^2/NDF: 53.5/65

In: -335.645+/-355.182 χ^2/NDF:53.8/54

Out: -754.219+/-354.485 χ^2/NDF:50.9/57

All: -545.343+/-250.905 χ^2/NDF: 105.4/112



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: 2227.923+/-0.352 χ^2/NDF: 203027.3/33

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

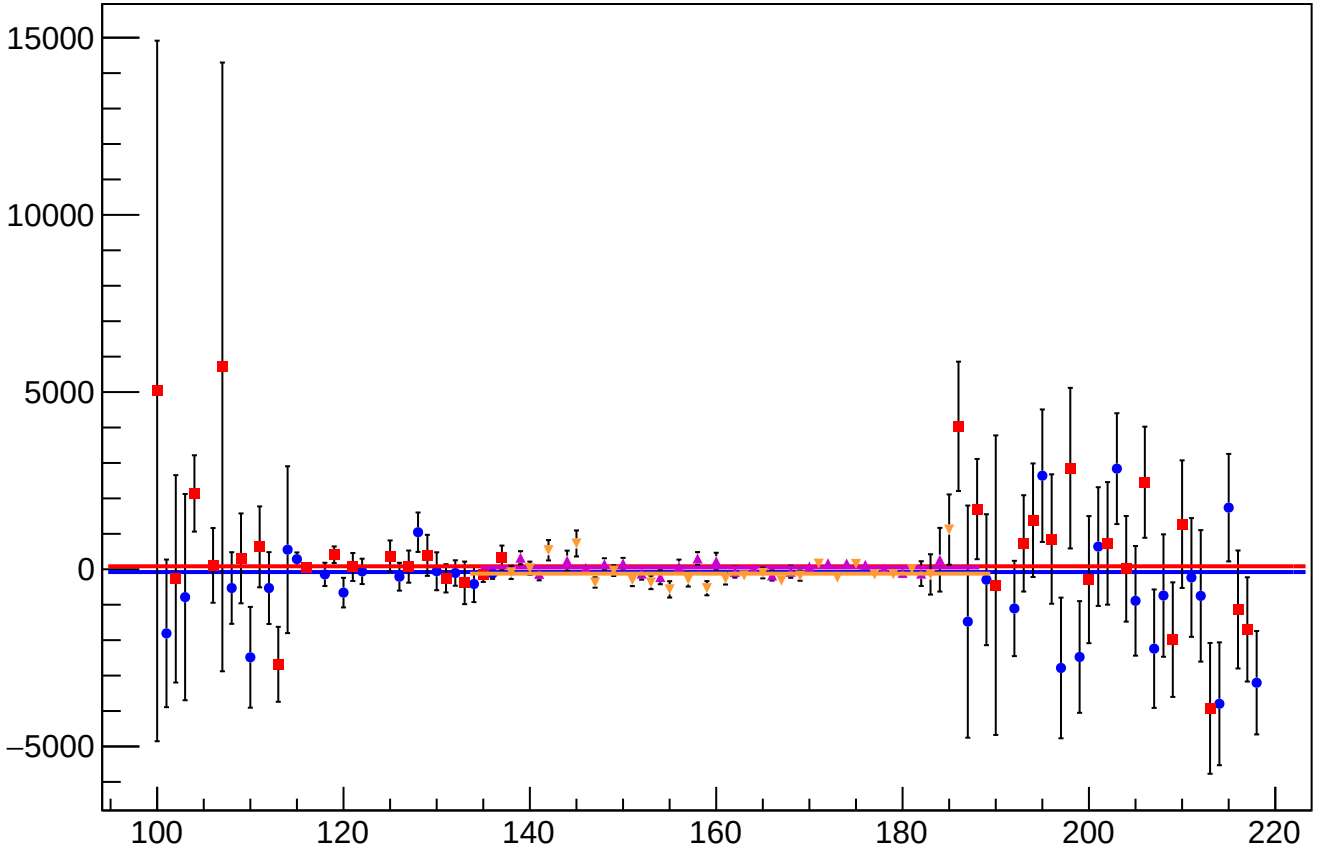
Right: 2220.664+/-0.248 χ^2/NDF: 752435.4/65

In: 2197.623+/-0.251 χ^2/NDF:554615.8/54

Out: 2203.496+/-0.251 χ^2/NDF:213233.8/57

All: 2200.565+/-0.177 χ^2/NDF: 768123.6/112

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: 84.104+/-80.805 χ^2/NDF: 37.3/33

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

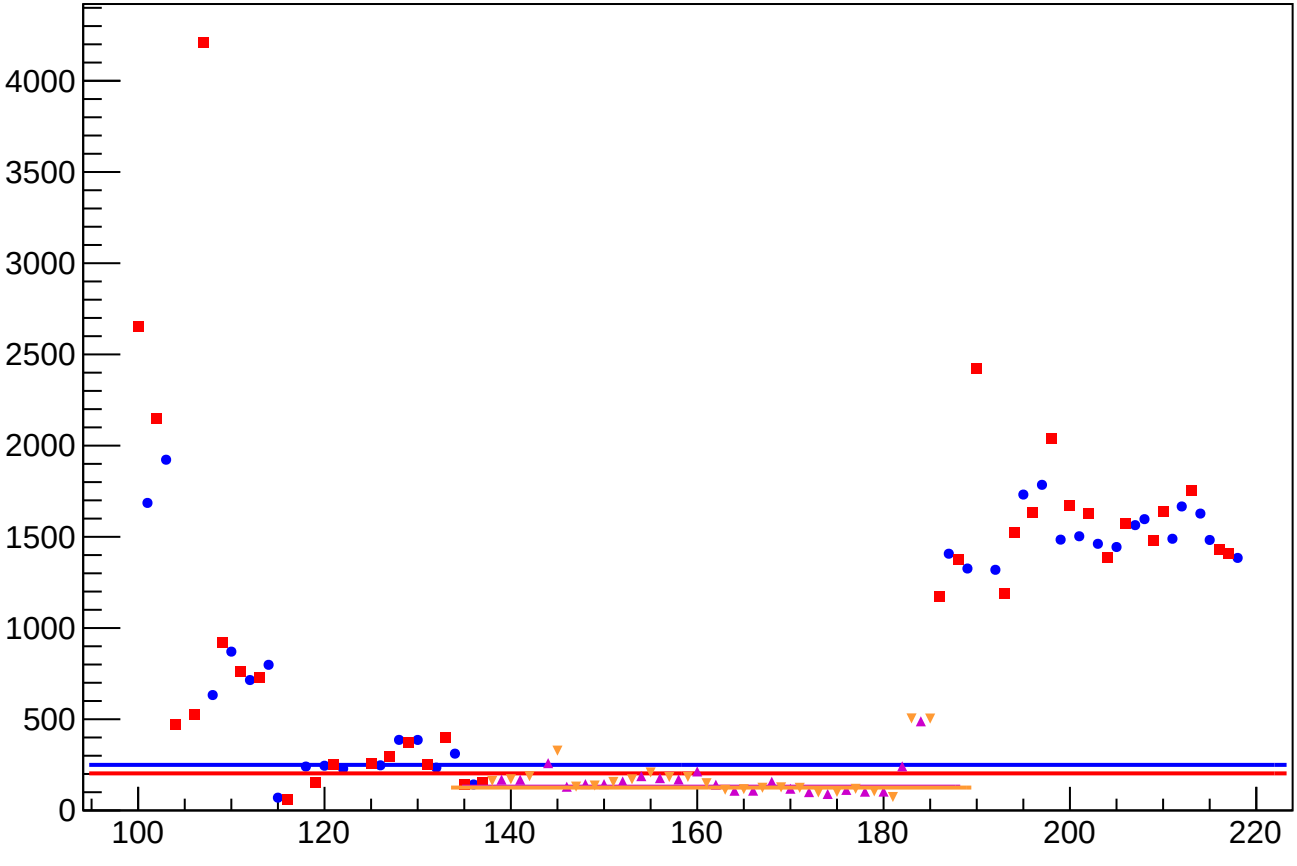
Right: 10.540+/-59.786 χ^2/NDF: 77.2/65

In: 34.994+/-30.563 χ^2/NDF:58.2/54

Out: -95.755+/-29.274 χ^2/NDF:86.8/57

All: -33.195+/-21.141 χ^2/NDF: 154.5/112

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: 203.218+/-0.057 χ^2/NDF: 26102664.7/33

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

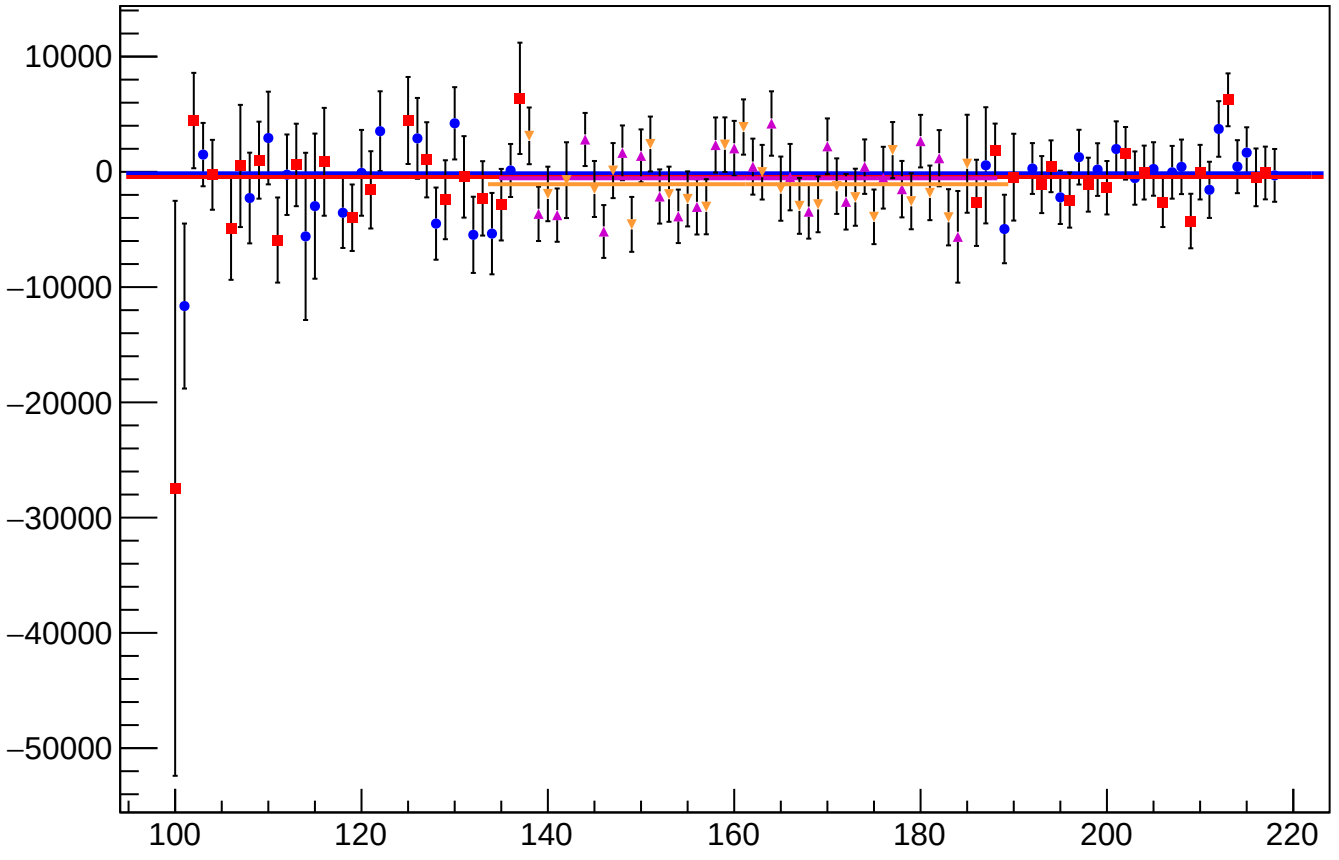
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 224.324+/-0.042 χ^2/NDF: 50193043.2/65

In: 144.573+/-0.022 χ^2/NDF:29651547.9/54

Out: 135.703+/-0.021 χ^2/NDF:31653421.5/57

All: 139.947+/-0.015 χ^2/NDF: 61392821.0/11



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: -446.056+/-497.203 χ^2/NDF: 28.6/33

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

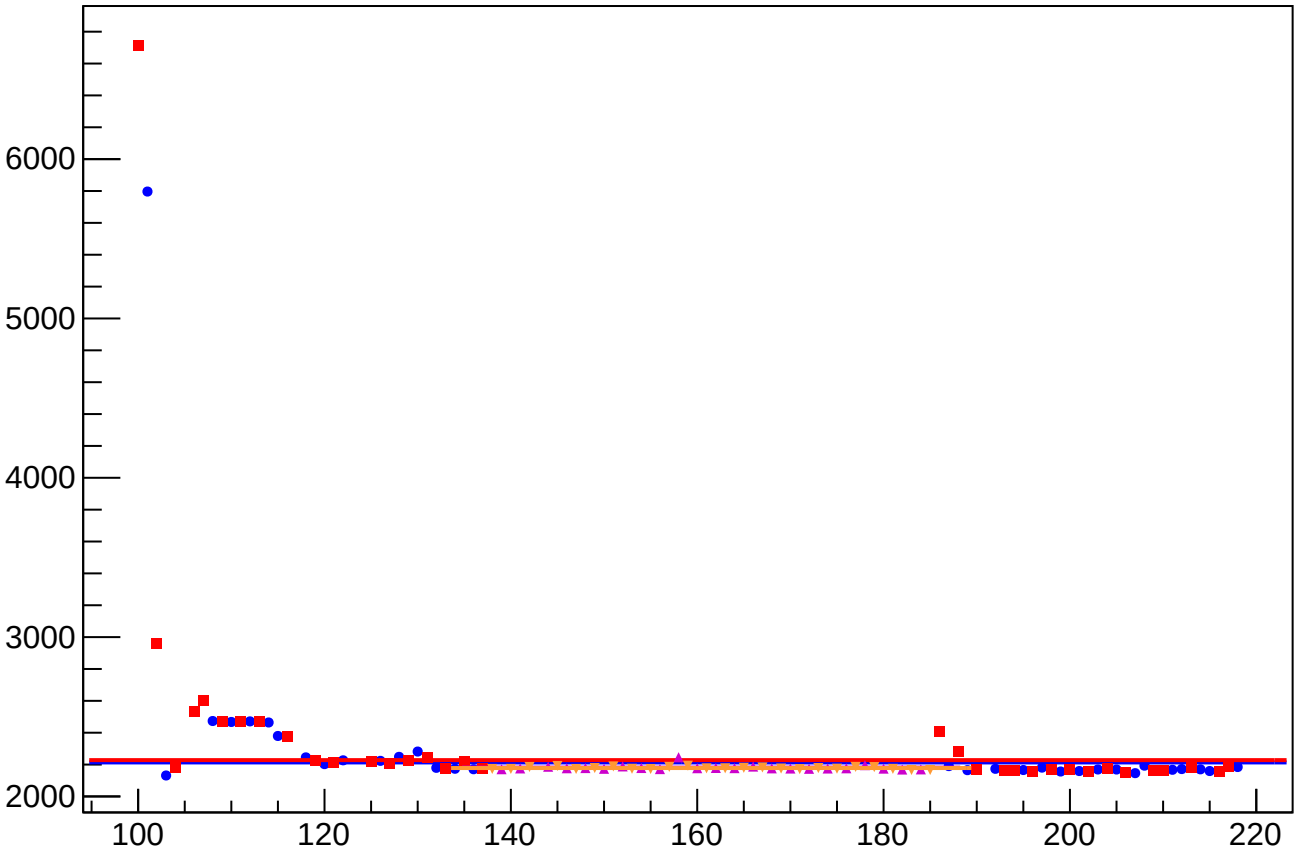
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -285.448+/-351.033 χ^2/NDF: 53.5/65

In: -335.645+/-355.182 χ^2/NDF:53.8/54

Out: -754.219+/-354.485 χ^2/NDF:50.9/57

All: -545.343+/-250.905 χ^2/NDF: 105.4/112



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: 2227.923+/-0.352 χ^2/NDF: 203027.3/33

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

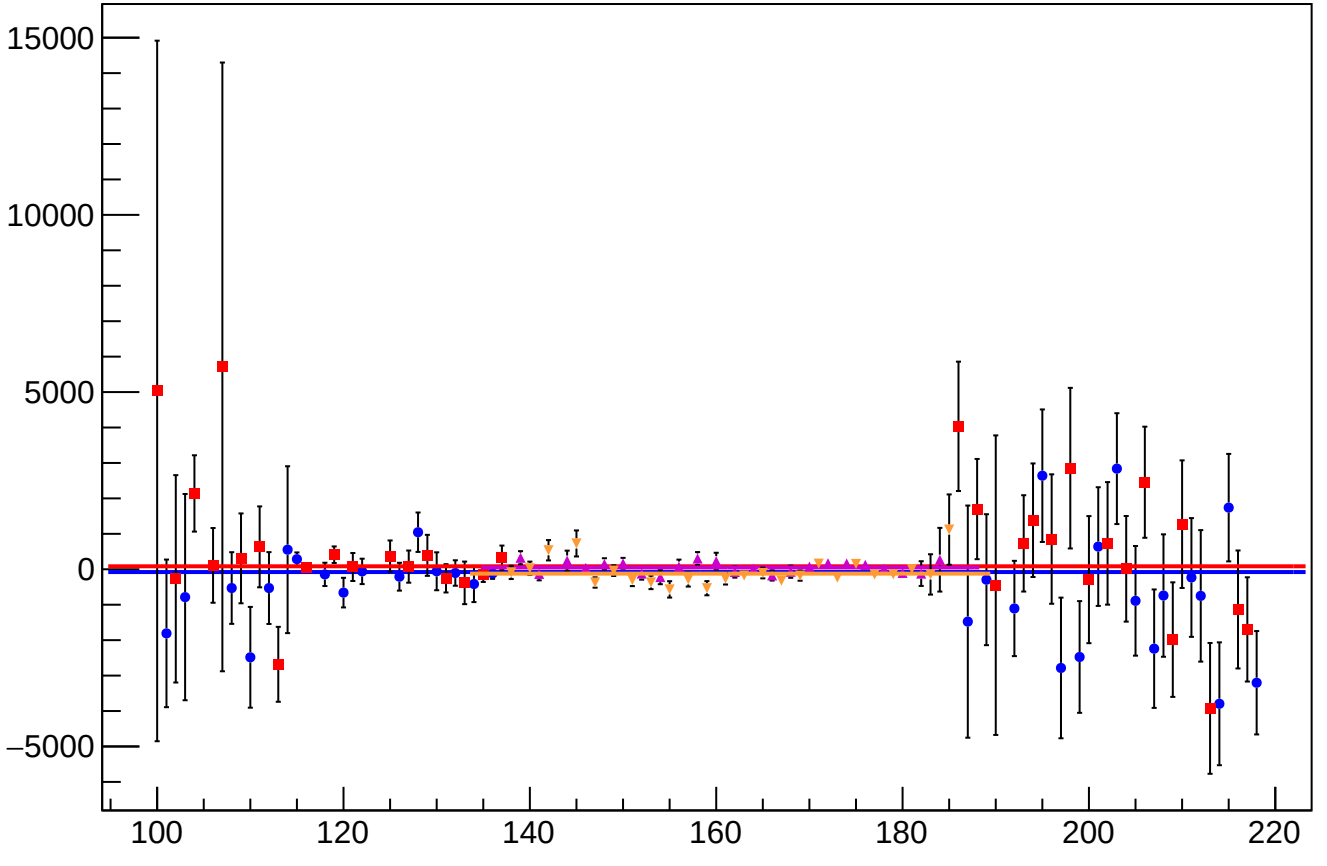
Right: 2220.664+/-0.248 χ^2/NDF: 752435.4/65

In: 2197.623+/-0.251 χ^2/NDF:554615.8/54

Out: 2203.496+/-0.251 χ^2/NDF:213233.8/57

All: 2200.565+/-0.177 χ^2/NDF: 768123.6/112

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: 84.104+/-80.805 χ^2/NDF: 37.3/33

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

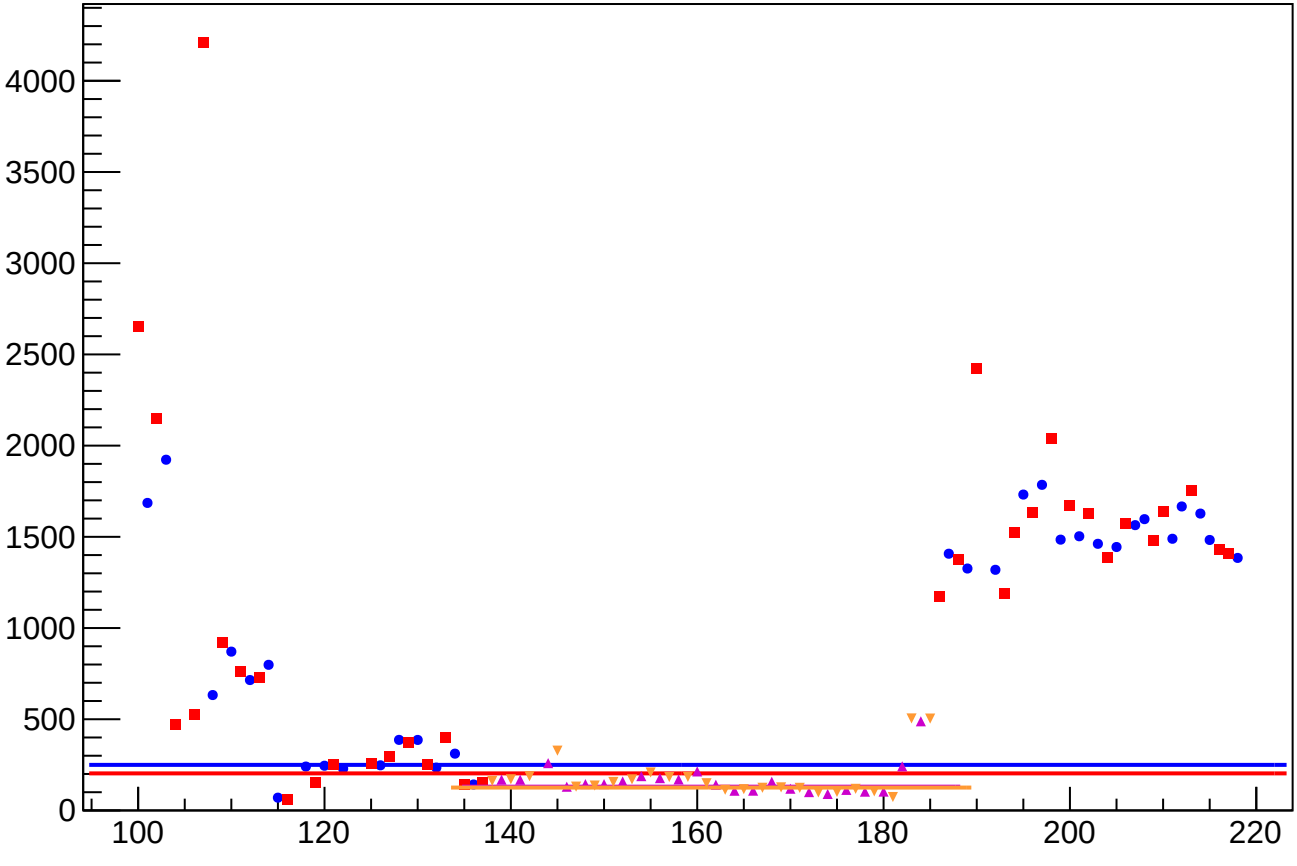
Right: 10.540+/-59.786 χ^2/NDF: 77.2/65

In: 34.994+/-30.563 χ^2/NDF:58.2/54

Out: -95.755+/-29.274 χ^2/NDF:86.8/57

All: -33.195+/-21.141 χ^2/NDF: 154.5/112

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: 203.218+/-0.057 χ^2/NDF: 26102664.7/33

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

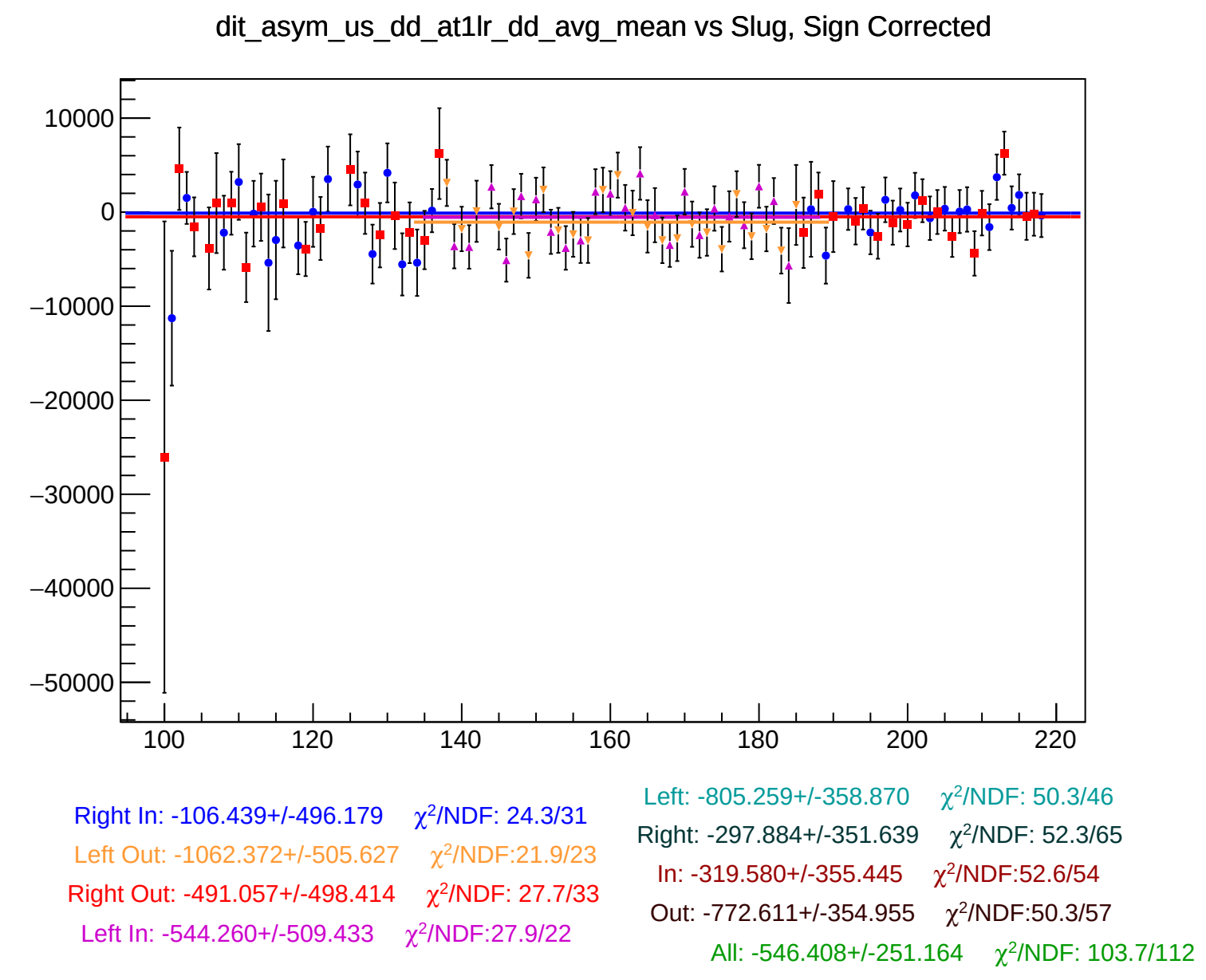
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

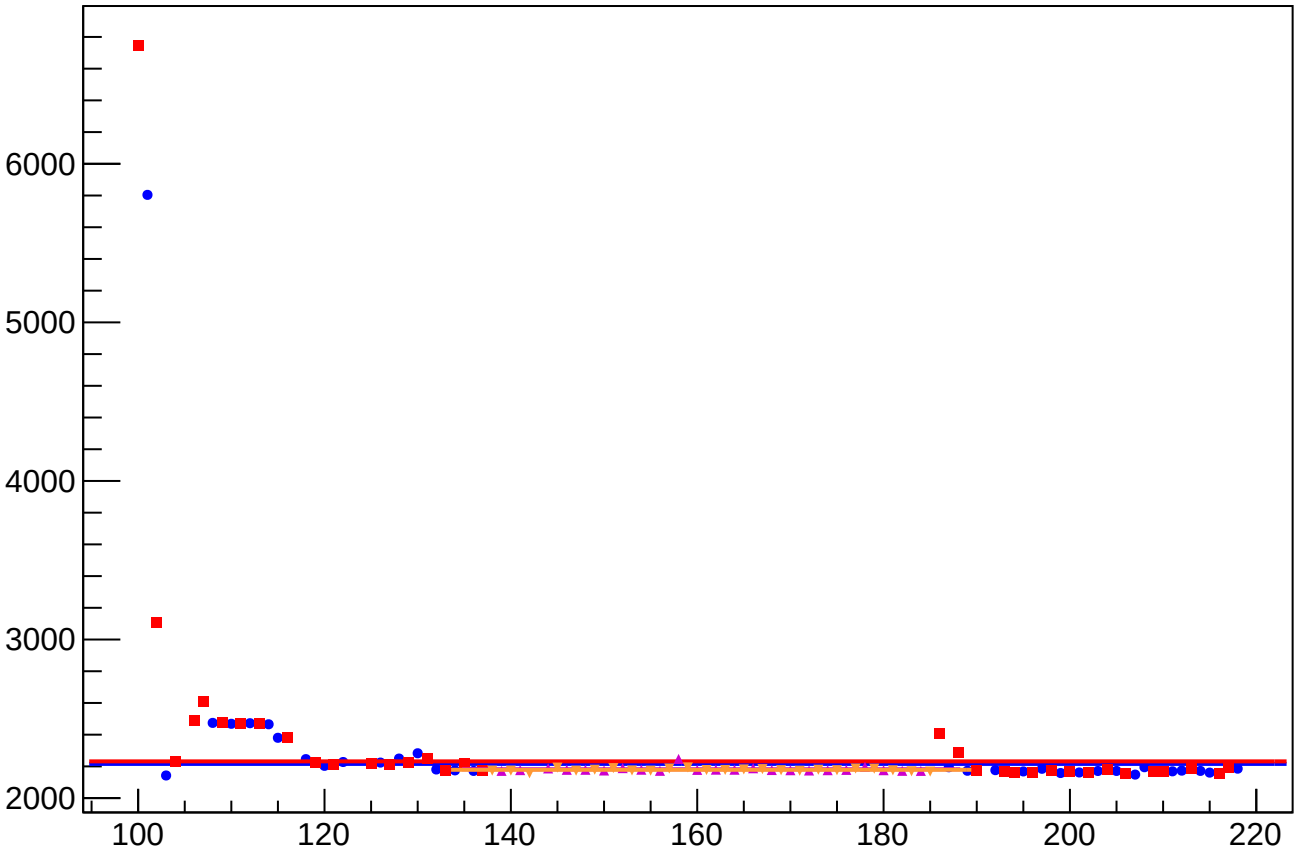
Right: 224.324+/-0.042 χ^2/NDF: 50193043.2/65

In: 144.573+/-0.022 χ^2/NDF:29651547.9/54

Out: 135.703+/-0.021 χ^2/NDF:31653421.5/57

All: 139.947+/-0.015 χ^2/NDF: 61392821.0/11


dit_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: -106.439+/-496.179 χ²/NDF: 24.3/31
Left Out: -1062.372+/-505.627 χ²/NDF:21.9/23
Right Out: -491.057+/-498.414 χ²/NDF: 27.7/33
Left In: -544.260+/-509.433 χ²/NDF:27.9/22
Left: -805.259+/-358.870 χ²/NDF: 50.3/46
Right: -297.884+/-351.639 χ²/NDF: 52.3/65
In: -319.580+/-355.445 χ²/NDF:52.6/54
Out: -772.611+/-354.955 χ²/NDF:50.3/57
All: -546.408+/-251.164 χ²/NDF: 103.7/112



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: 2231.641+/-0.352 χ^2/NDF: 218984.4/33

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

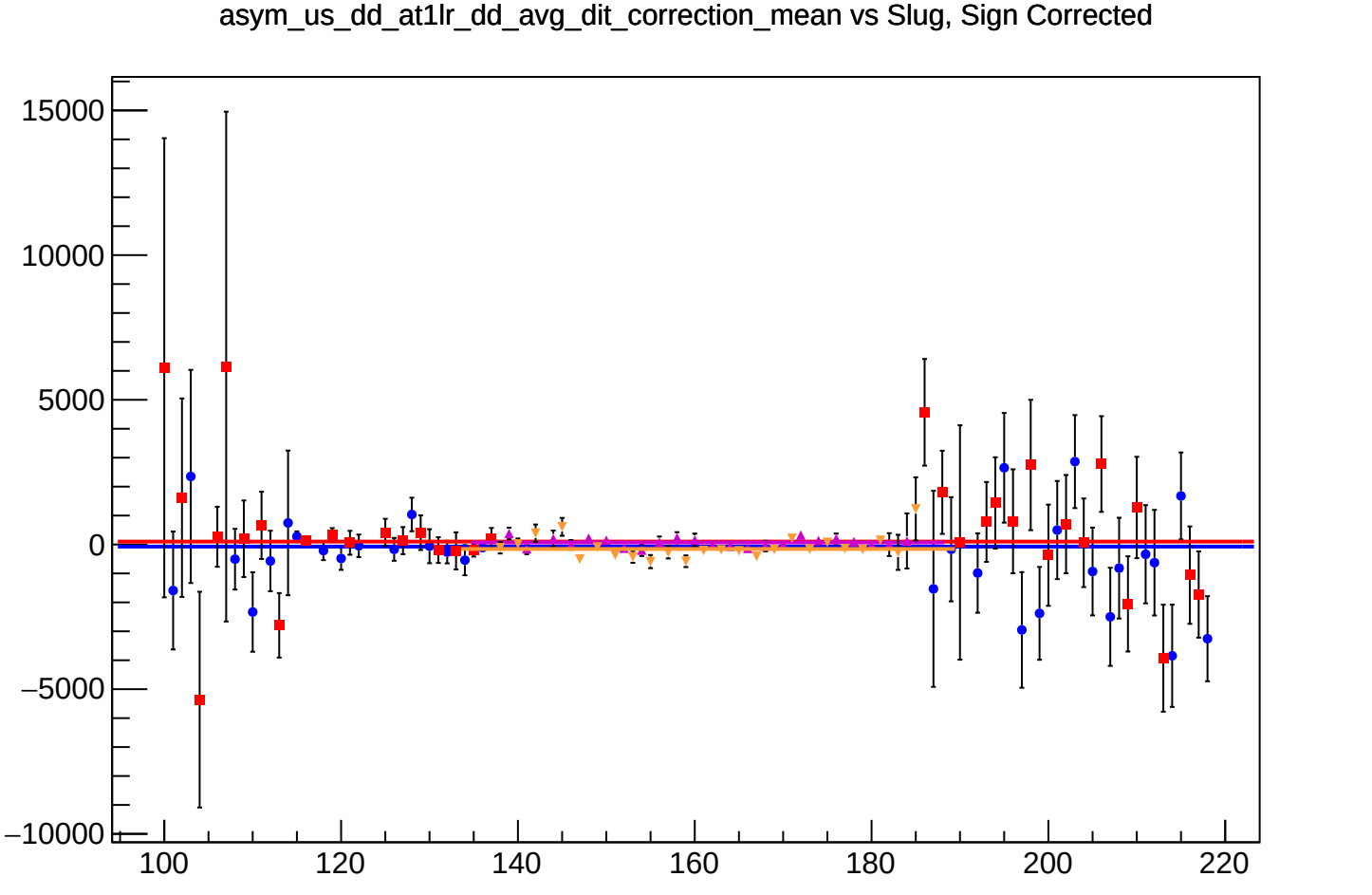
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2223.602+/-0.249 χ^2/NDF: 768052.5/65

In: 2199.203+/-0.251 χ^2/NDF:554375.6/54

Out: 2205.454+/-0.251 χ^2/NDF:230643.9/57

All: 2202.333+/-0.178 χ^2/NDF: 785329.2/112



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: 100.914+/-84.376 χ^2/NDF: 36.5/33

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

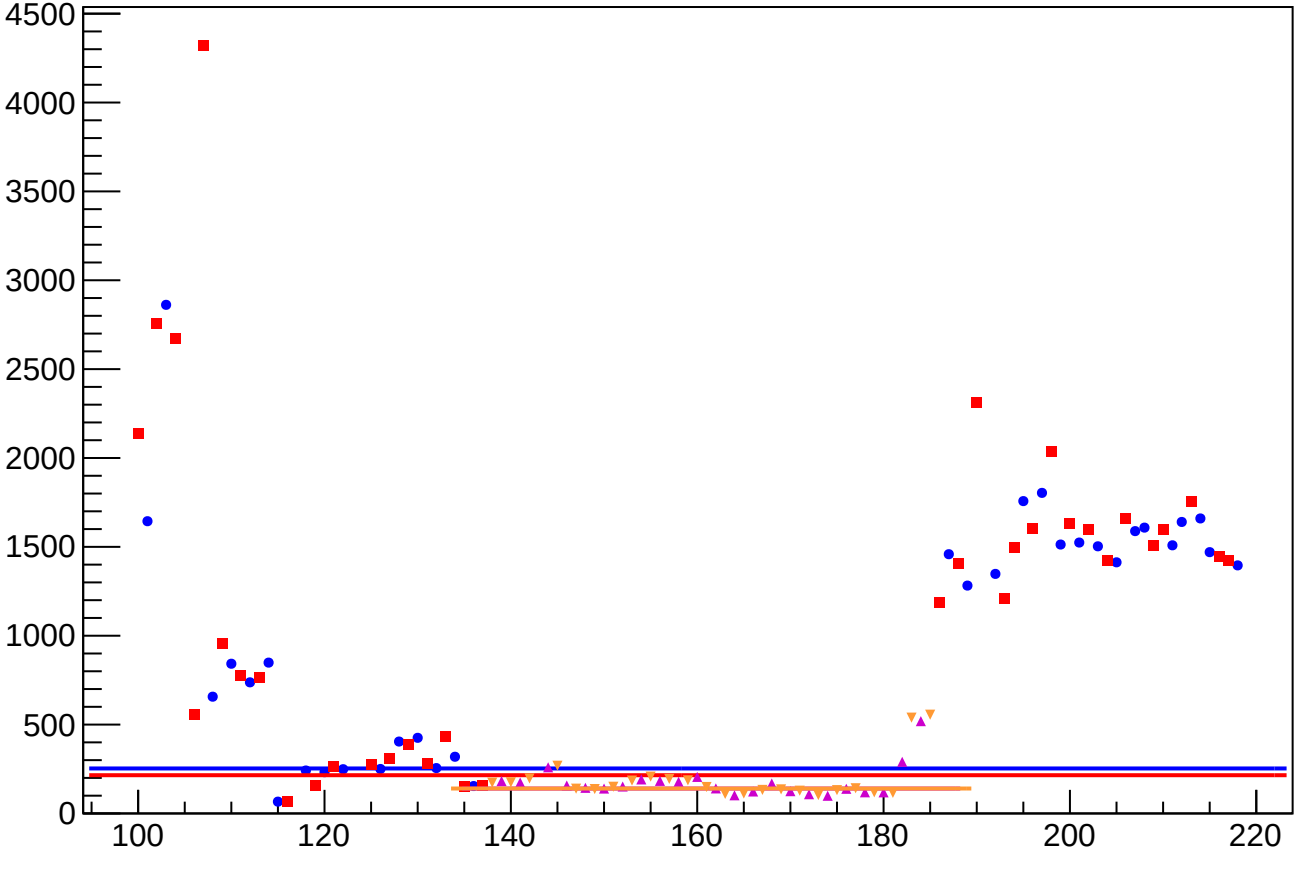
Right: 20.055+/-61.647 χ^2/NDF: 76.2/65

In: 52.235+/-31.986 χ^2/NDF:58.9/54

Out: -118.904+/-31.584 χ^2/NDF:91.7/57

All: -34.416+/-22.474 χ^2/NDF: 165.1/112

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: 215.186+/-0.060 χ^2/NDF: 26820232.8/33

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

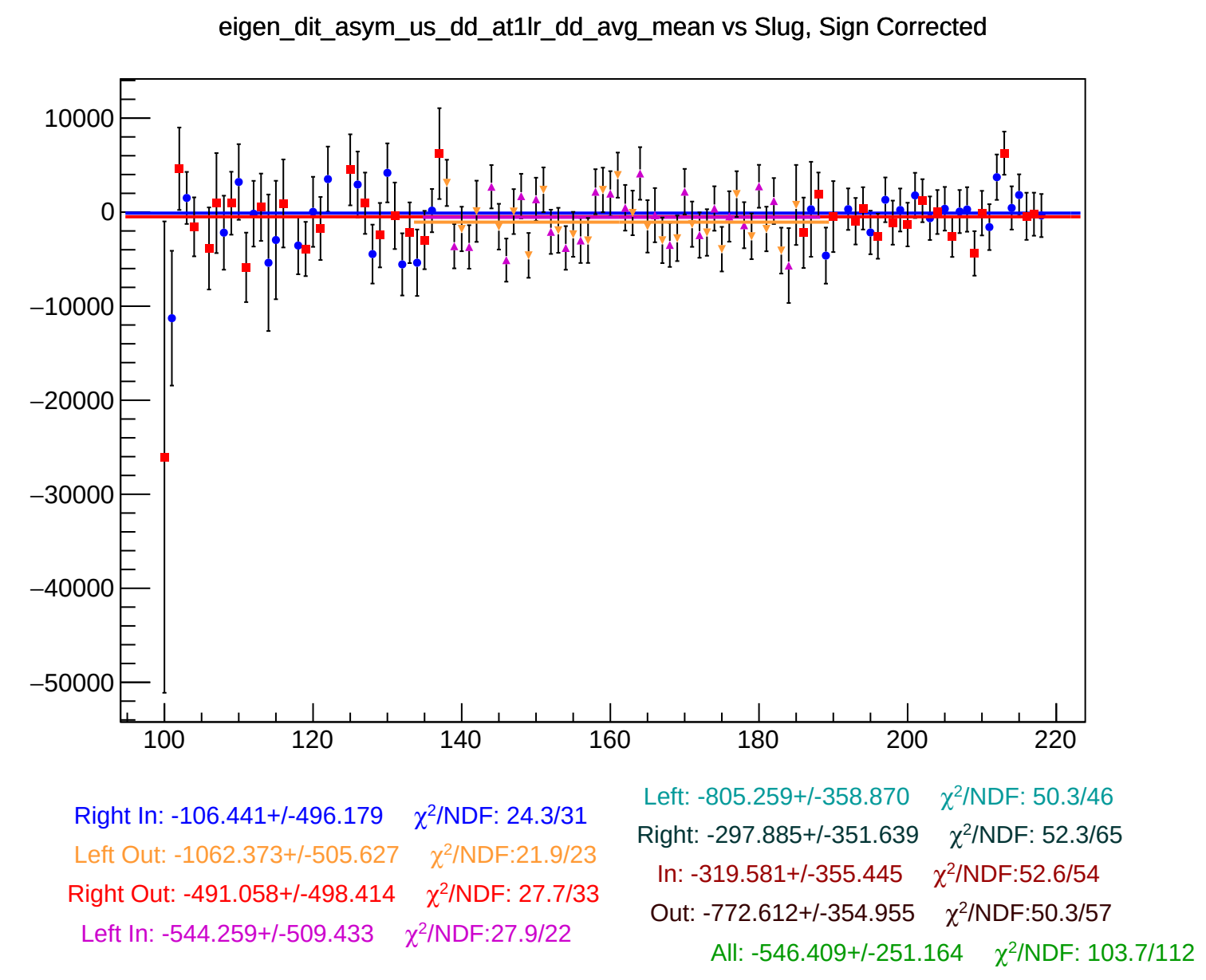
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

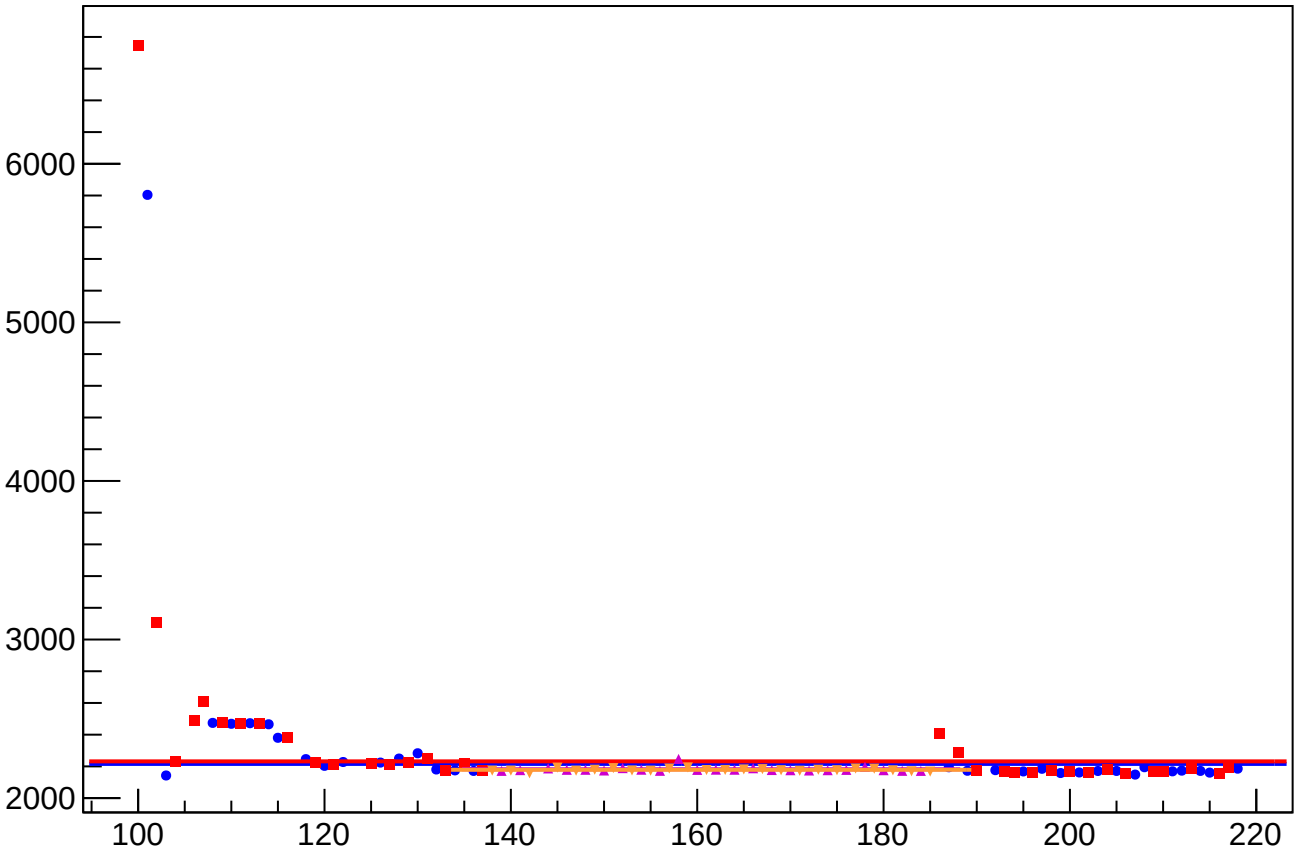
Right: 232.888+/-0.044 χ^2/NDF: 51342447.3/65

In: 154.183+/-0.023 χ^2/NDF:29494128.6/54

Out: 150.809+/-0.022 χ^2/NDF:30934504.0/57

All: 152.475+/-0.016 χ^2/NDF: 60439899.5/11


eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: -106.441+/-496.179 χ²/NDF: 24.3/31
Left Out: -1062.373+/-505.627 χ²/NDF:21.9/23
Right Out: -491.058+/-498.414 χ²/NDF: 27.7/33
Left In: -544.259+/-509.433 χ²/NDF:27.9/22
Left: -805.259+/-358.870 χ²/NDF: 50.3/46
Right: -297.885+/-351.639 χ²/NDF: 52.3/65
In: -319.581+/-355.445 χ²/NDF:52.6/54
Out: -772.612+/-354.955 χ²/NDF:50.3/57
All: -546.409+/-251.164 χ²/NDF: 103.7/112



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: 2231.641+/-0.352 χ^2/NDF: 218984.3/33

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

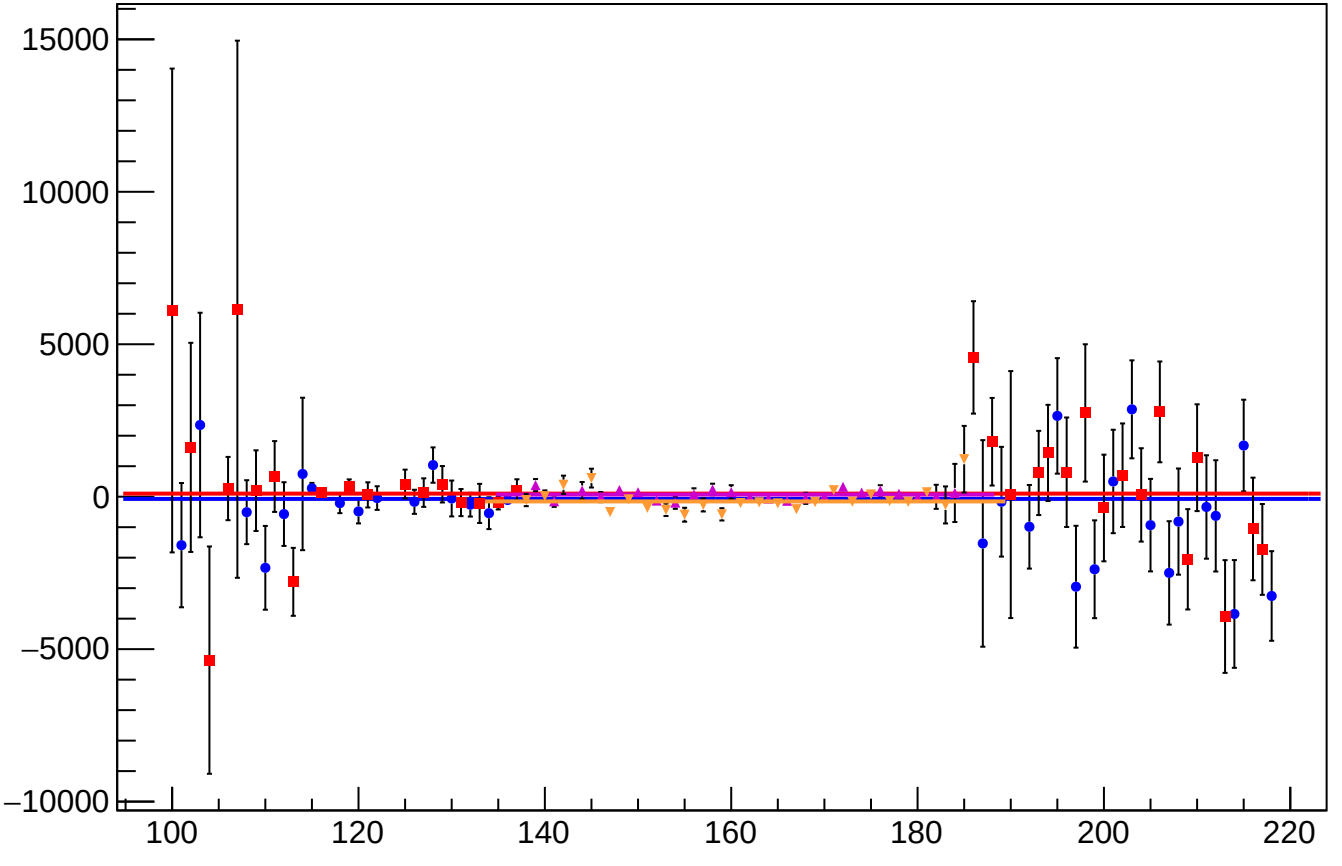
Right: 2223.602+/-0.249 χ^2/NDF: 768052.4/65

In: 2199.203+/-0.251 χ^2/NDF:554375.6/54

Out: 2205.454+/-0.251 χ^2/NDF:230643.8/57

All: 2202.333+/-0.178 χ^2/NDF: 785329.1/112

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: 100.915+/-84.375 χ^2/NDF: 36.5/33

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

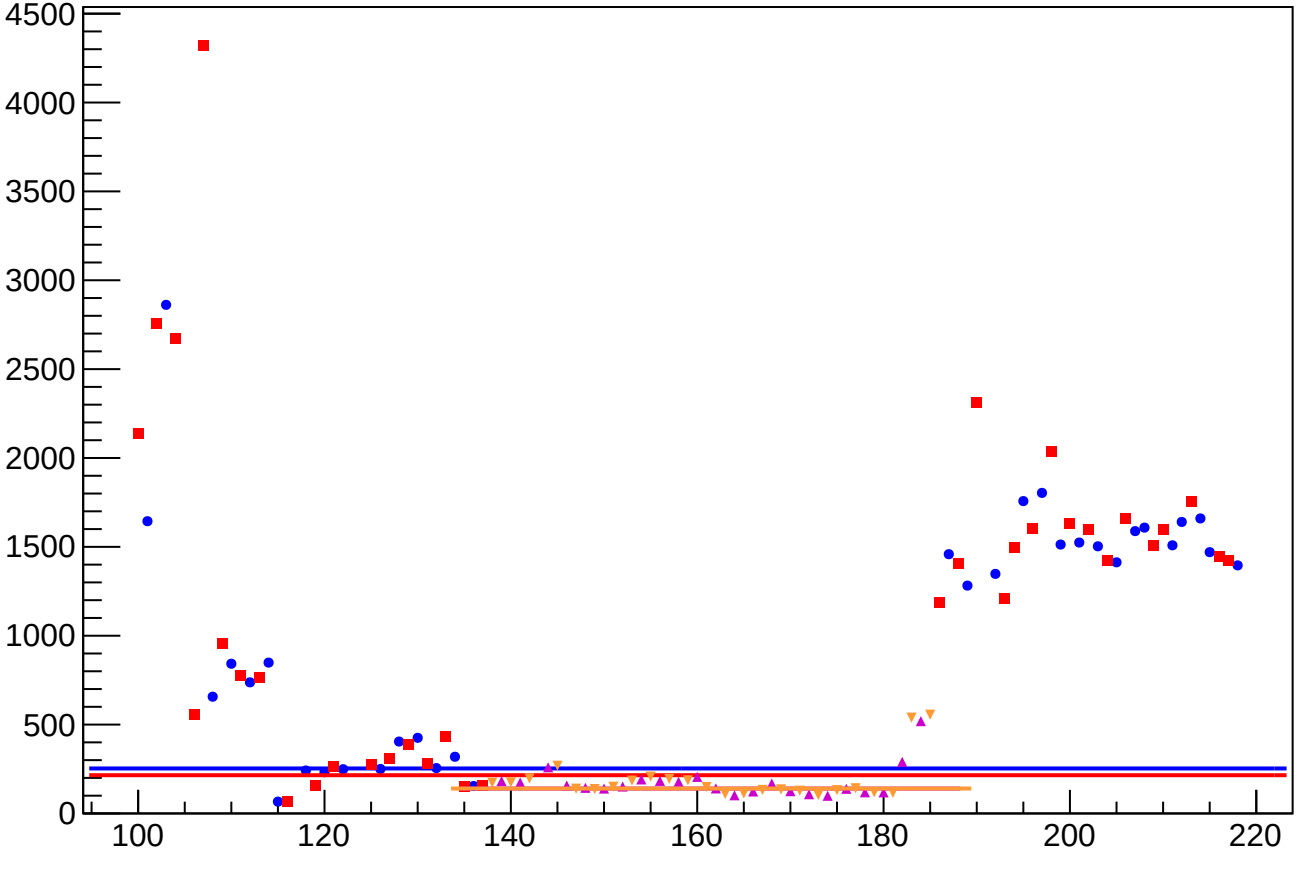
Right: 20.057+/-61.646 χ^2/NDF: 76.2/65

In: 52.234+/-31.986 χ^2/NDF:58.9/54

Out: -118.905+/-31.584 χ^2/NDF:91.7/57

All: -34.416+/-22.474 χ^2/NDF: 165.1/112

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: 215.183+/-0.060 χ^2/NDF: 26820378.7/33

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

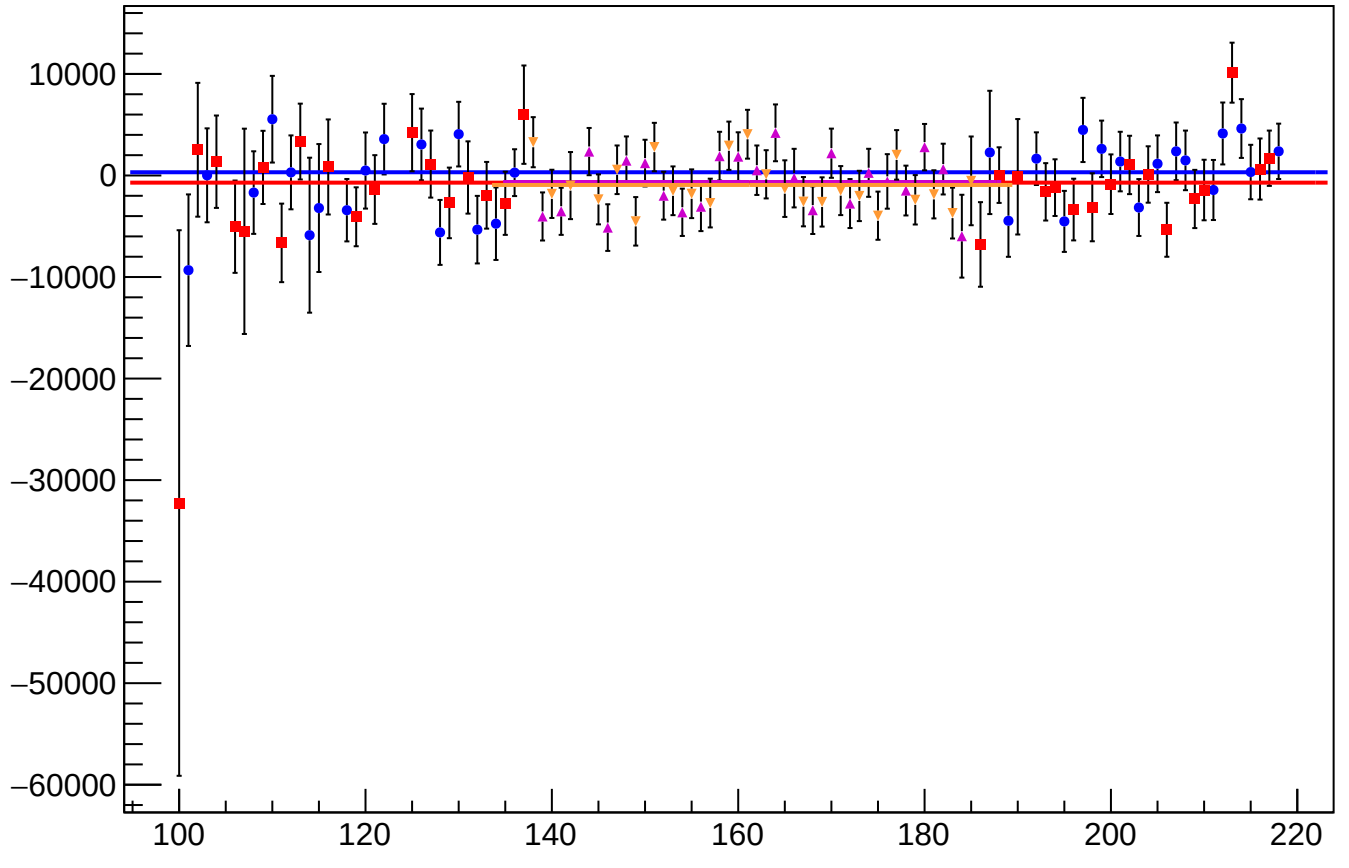
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 232.885+/-0.044 χ^2/NDF: 51342726.3/65

In: 154.183+/-0.023 χ^2/NDF:29494183.5/54

Out: 150.809+/-0.022 χ^2/NDF:30934536.6/57

All: 152.475+/-0.016 χ^2/NDF: 60439986.4/11



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: -705.150+/-583.711 χ^2/NDF: 34.9/33

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

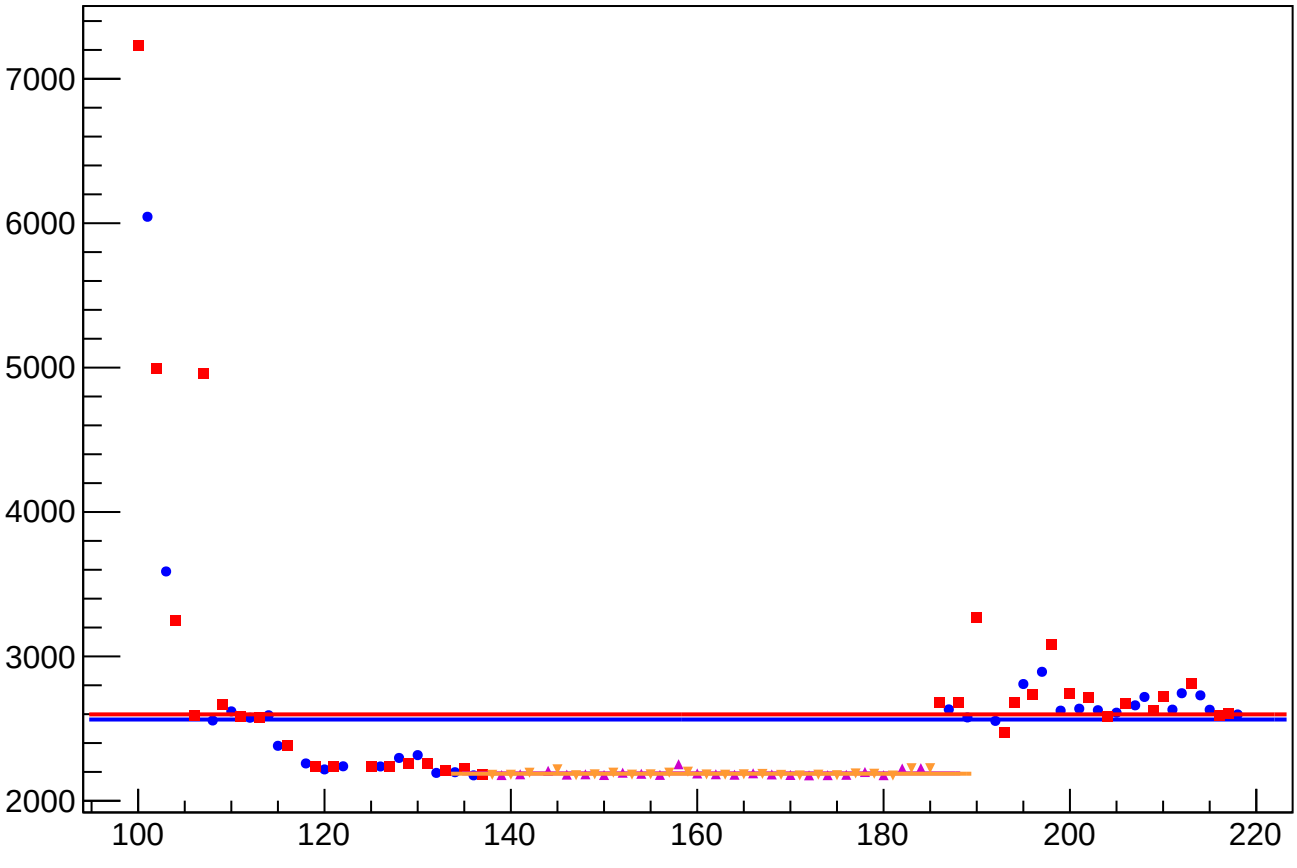
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -186.762+/-410.011 χ^2/NDF: 67.9/65

In: -219.282+/-382.426 χ^2/NDF:60.0/54

Out: -834.295+/-383.080 χ^2/NDF:57.4/57

All: -526.264+/-270.647 χ^2/NDF: 118.6/112



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: 2598.551+/-0.413 χ^2/NDF: 789745.8/33

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

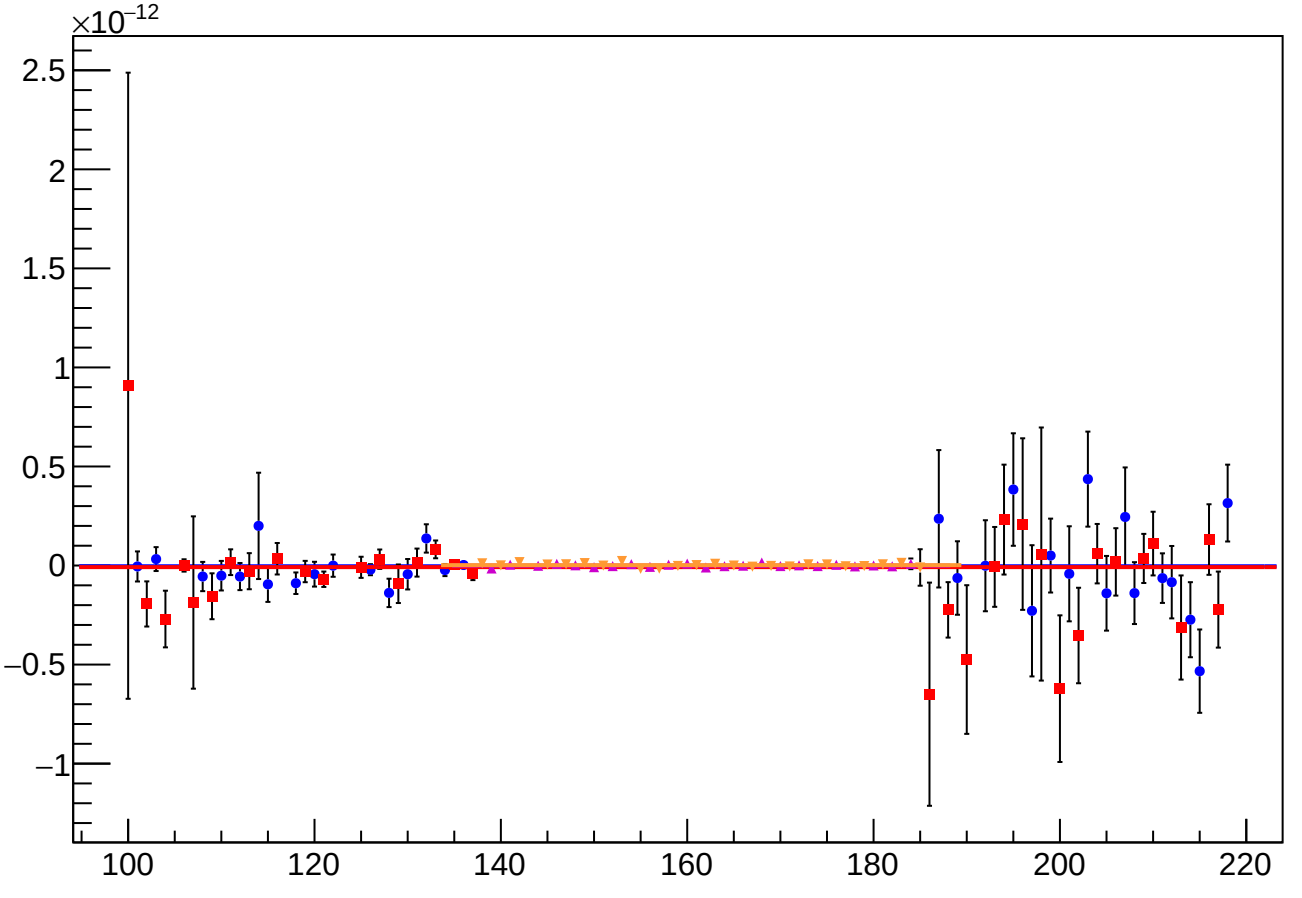
Right: 2580.492+/-0.290 χ^2/NDF: 1591787.8/65

In: 2354.441+/-0.270 χ^2/NDF:1269126.1/54

Out: 2364.611+/-0.271 χ^2/NDF:1355385.1/57

All: 2359.518+/-0.191 χ^2/NDF: 2625217.2/11

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 35.7/31

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/33

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

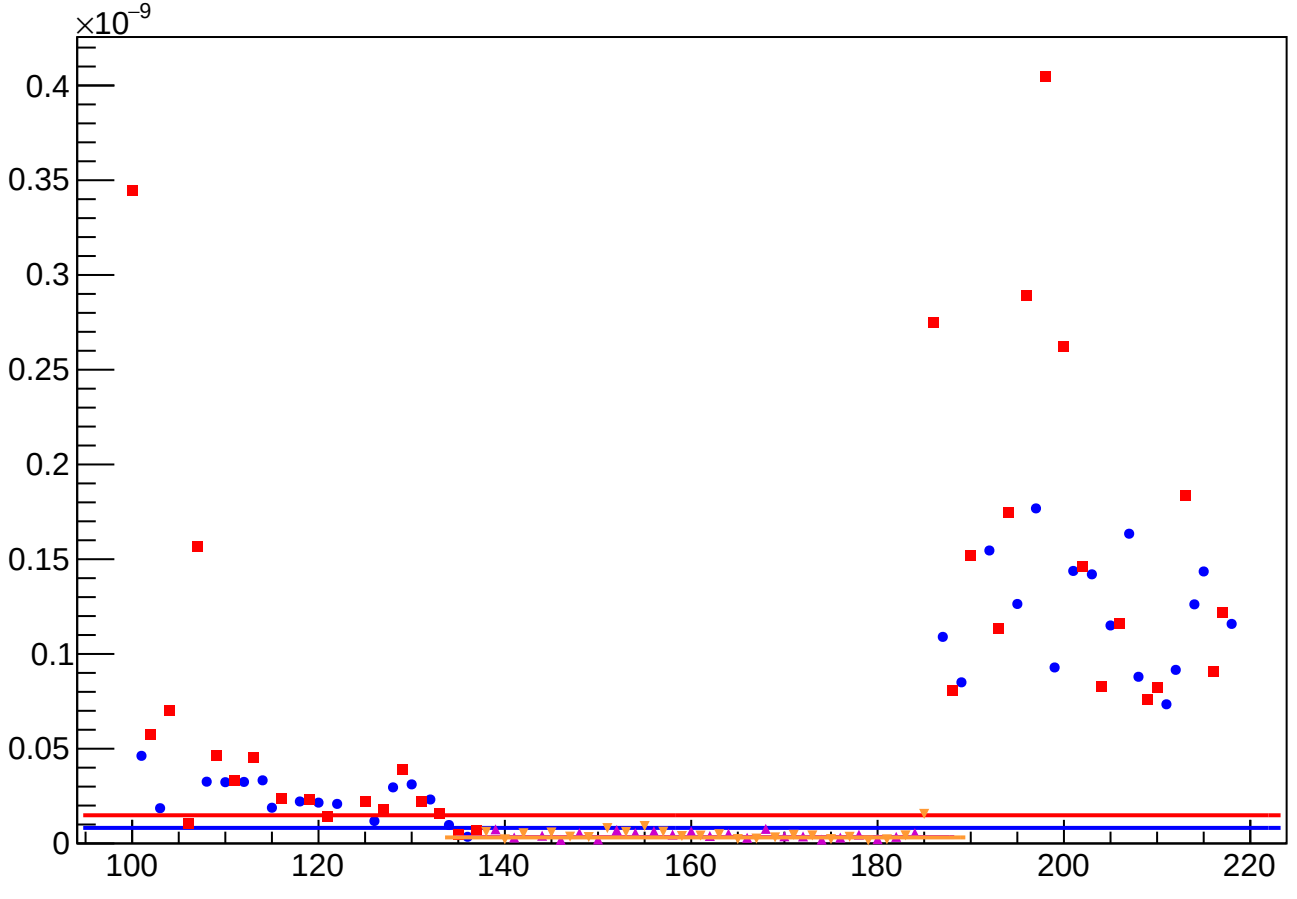
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 69.9/65

In: -0.000+/-0.000 χ^2/NDF:49.3/54

Out: 0.000+/-0.000 χ^2/NDF:54.5/57

All: 0.000+/-0.000 χ^2/NDF: 104.8/112



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: 12030566.6/33

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

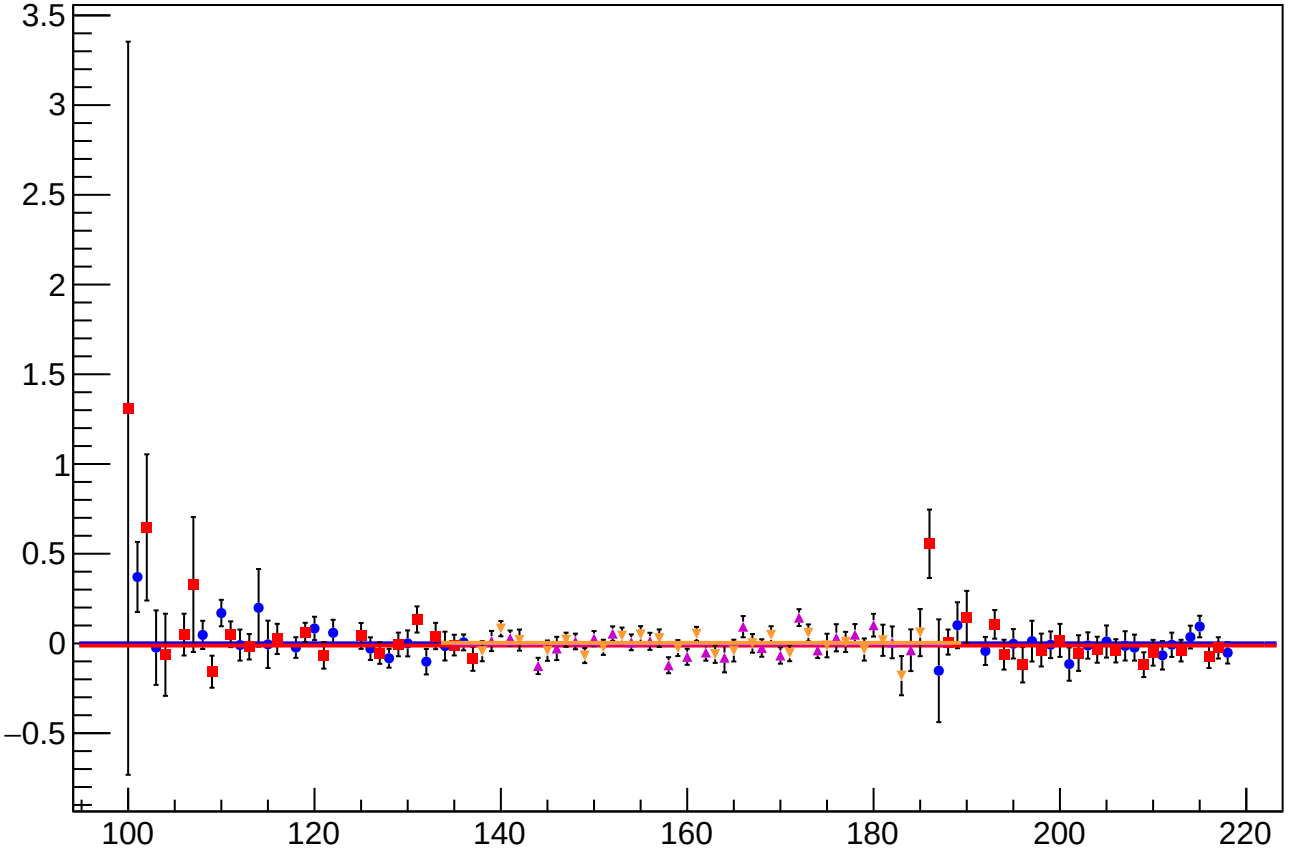
Right: 0.000+/-0.000 χ^2/NDF: 24671349.7/65

In: 0.000+/-0.000 χ^2/NDF:14780408.2/54

Out: 0.000+/-0.000 χ^2/NDF:16999112.6/57

All: 0.000+/-0.000 χ^2/NDF: 31804795.8/112

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: -0.012+/-0.013 χ^2/NDF: 35.3/33

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

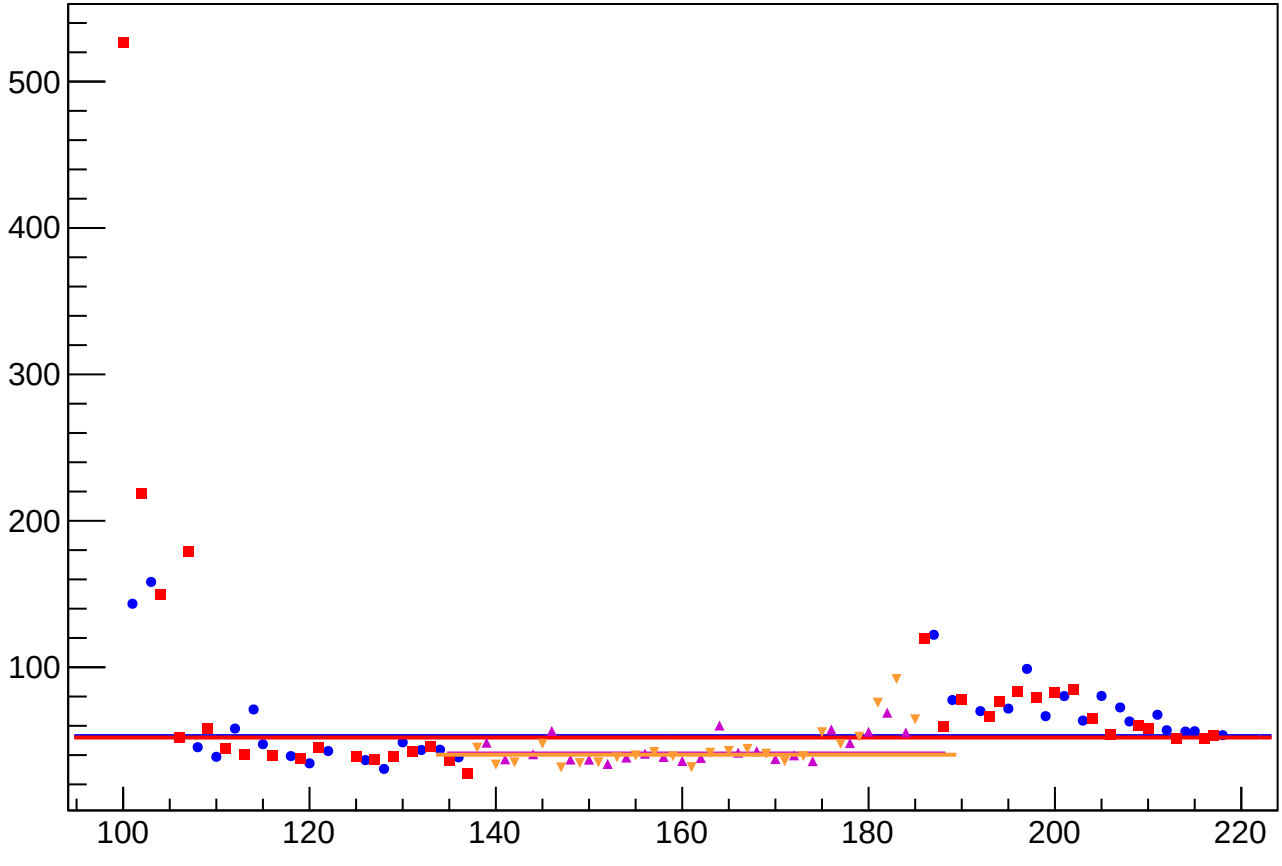
Right: -0.006+/-0.009 χ^2/NDF: 60.2/65

In: -0.003+/-0.008 χ^2/NDF:66.0/54

Out: -0.002+/-0.008 χ^2/NDF:58.0/57

All: -0.003+/-0.006 χ^2/NDF: 124.0/112

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: 52.003+/-0.009 χ^2/NDF: 3574155.8/33

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

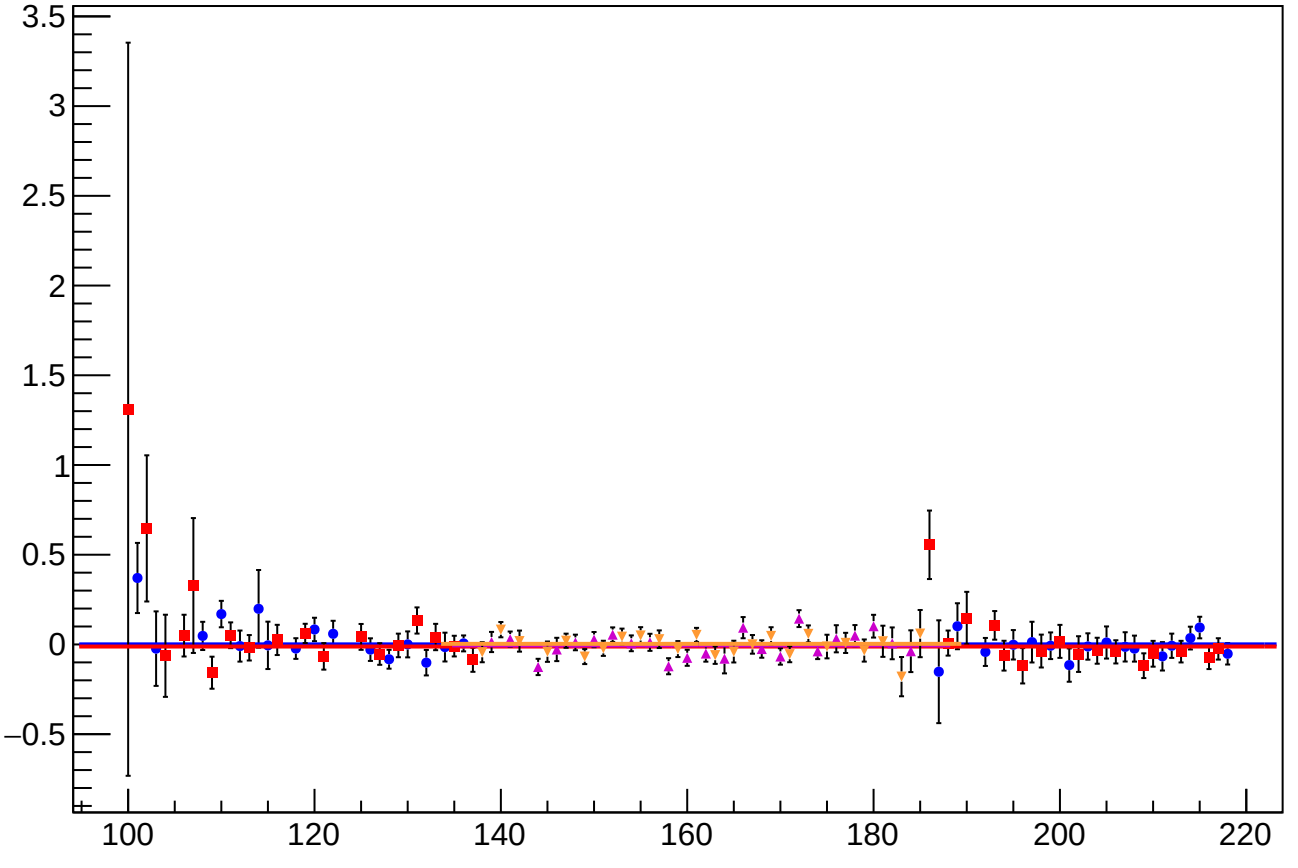
Right: 52.493+/-0.007 χ^2/NDF: 7162815.2/65

In: 45.653+/-0.006 χ^2/NDF:5485045.0/54

Out: 44.660+/-0.006 χ^2/NDF:6019093.5/57

All: 45.151+/-0.004 χ^2/NDF: 11518650.3/112

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: -0.012+/-0.013 χ^2/NDF: 35.3/33

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

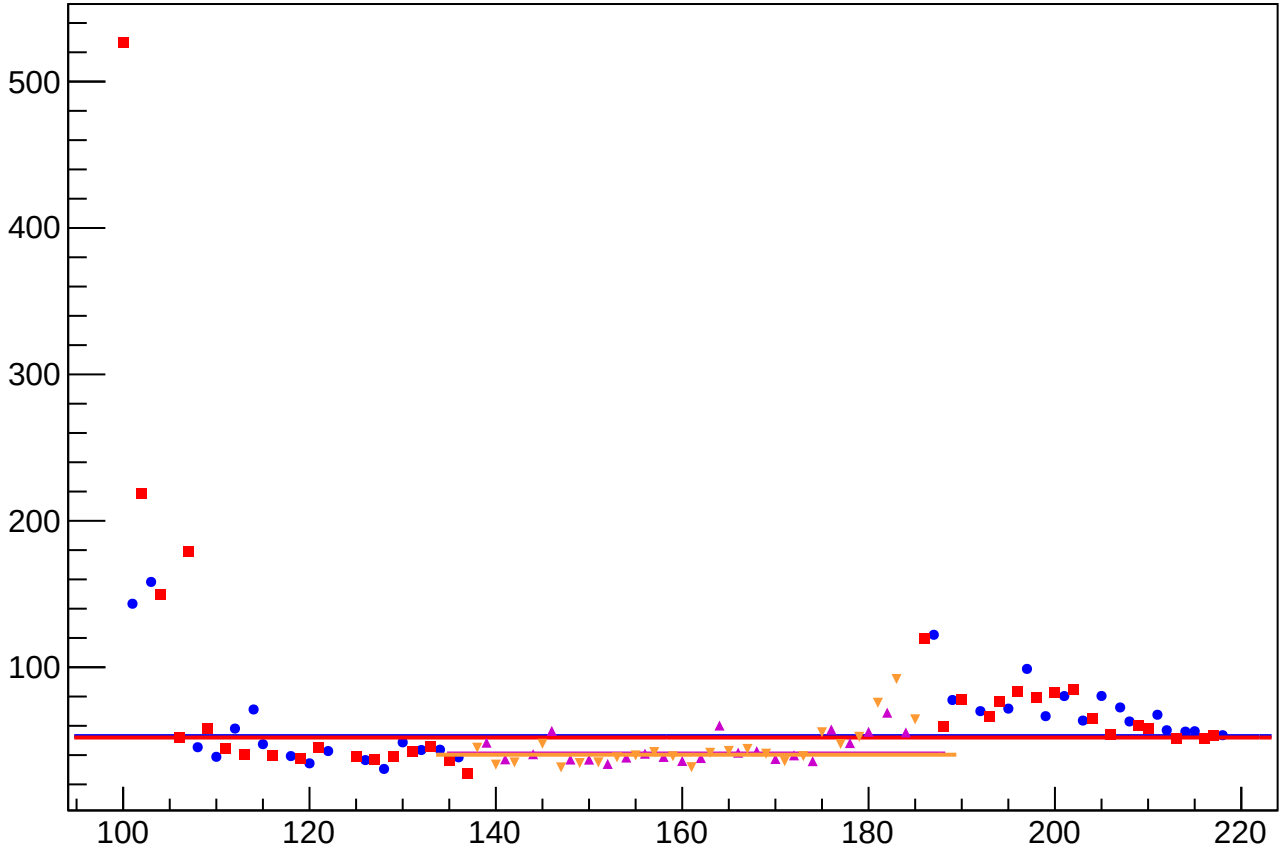
Right: -0.006+/-0.009 χ^2/NDF: 60.2/65

In: -0.003+/-0.008 χ^2/NDF:66.0/54

Out: -0.002+/-0.008 χ^2/NDF:58.0/57

All: -0.003+/-0.006 χ^2/NDF: 124.0/112

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: 52.003+/-0.009 χ^2/NDF: 3574155.8/33

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

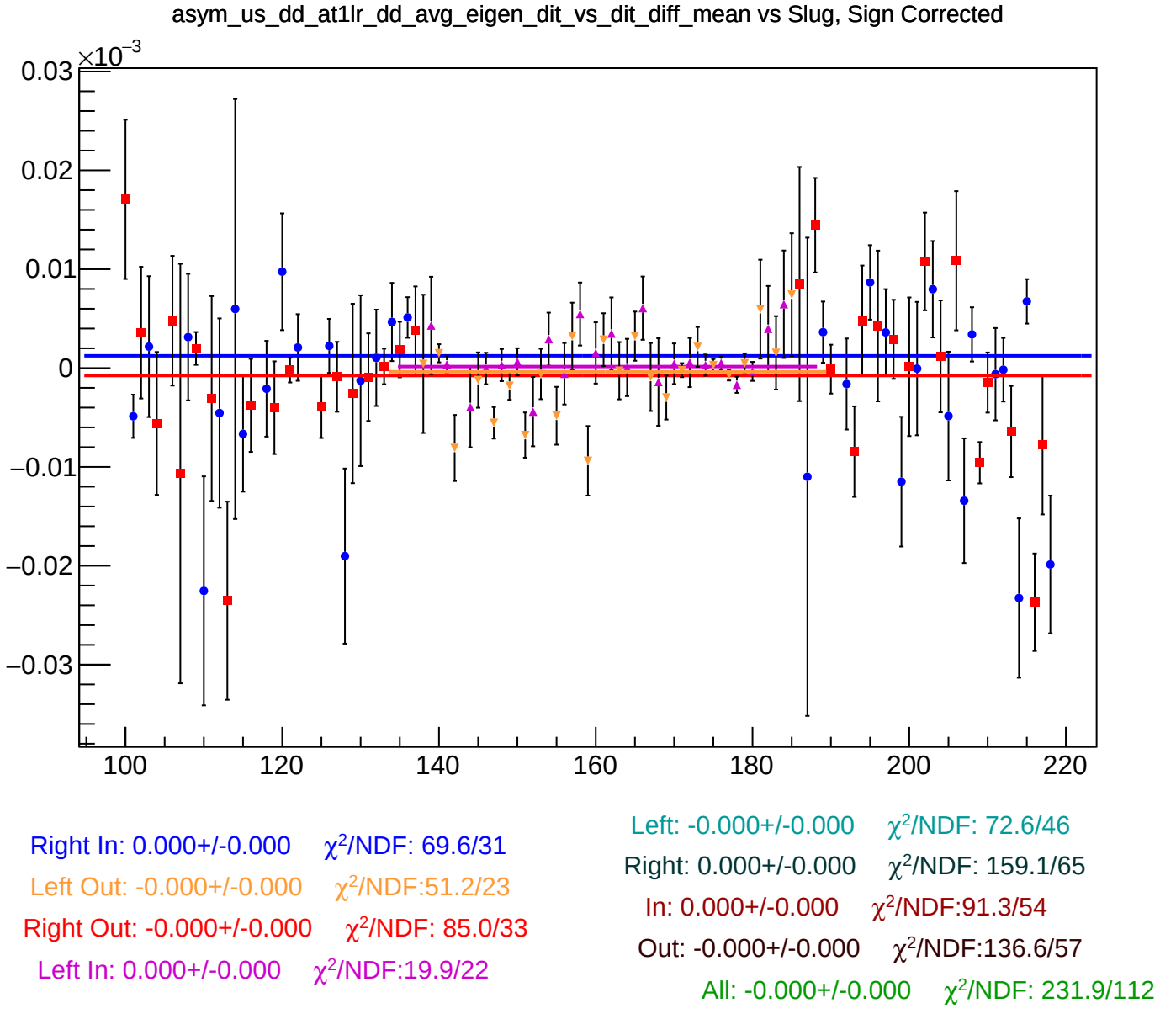
Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

Right: 52.493+/-0.007 χ^2/NDF: 7162815.2/65

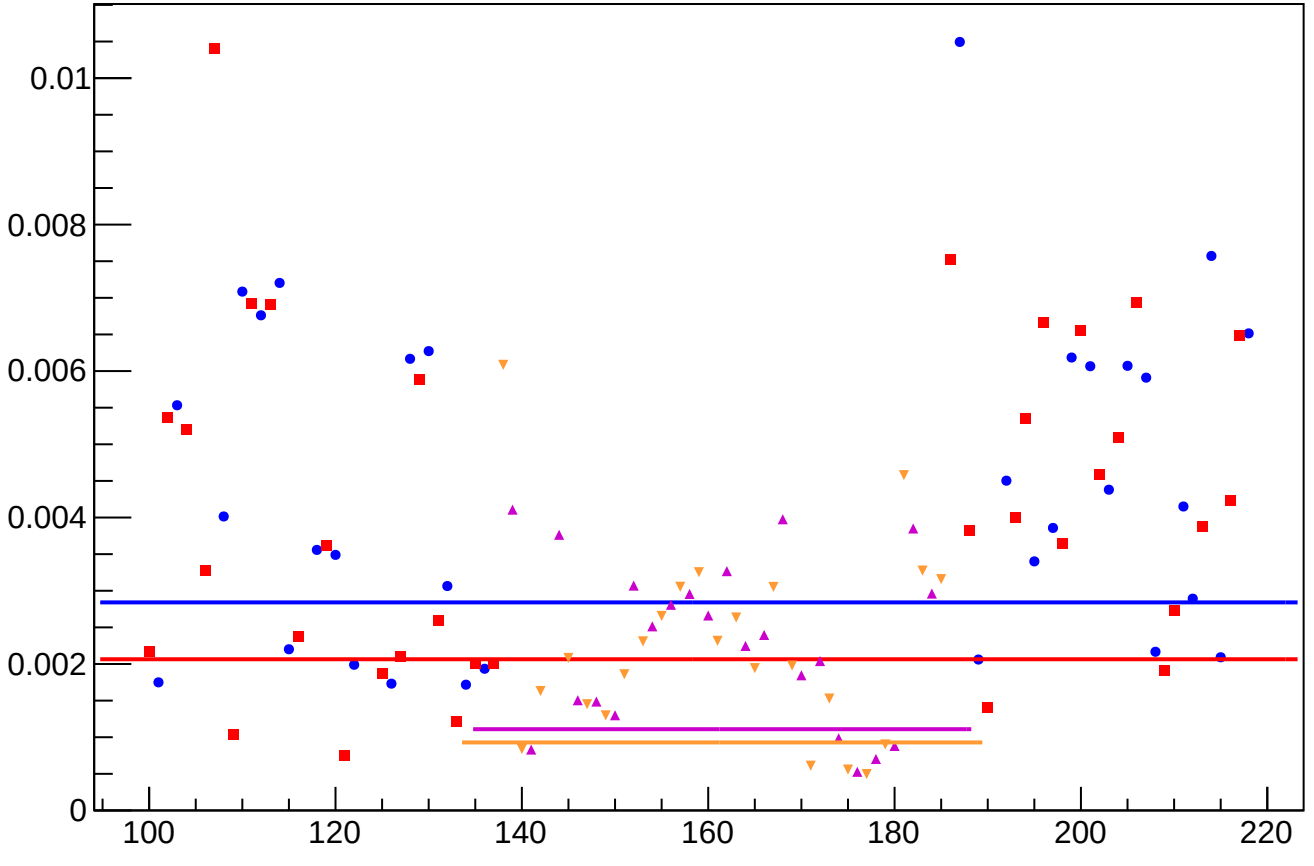
In: 45.653+/-0.006 χ^2/NDF:5485045.0/54

Out: 44.660+/-0.006 χ^2/NDF:6019093.5/57

All: 45.151+/-0.004 χ^2/NDF: 11518650.3/112


asym_us_dd_at1lr_dd_avg_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
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 69.6/31
Left Out: -0.000+/-0.000 χ²/NDF:51.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 85.0/33
Left In: 0.000+/-0.000 χ²/NDF:19.9/22
Left: -0.000+/-0.000 χ²/NDF: 72.6/46
Right: 0.000+/-0.000 χ²/NDF: 159.1/65
In: 0.000+/-0.000 χ²/NDF:91.3/54
Out: -0.000+/-0.000 χ²/NDF:136.6/57
All: -0.000+/-0.000 χ²/NDF: 231.9/112

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: 13569456.6/33

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

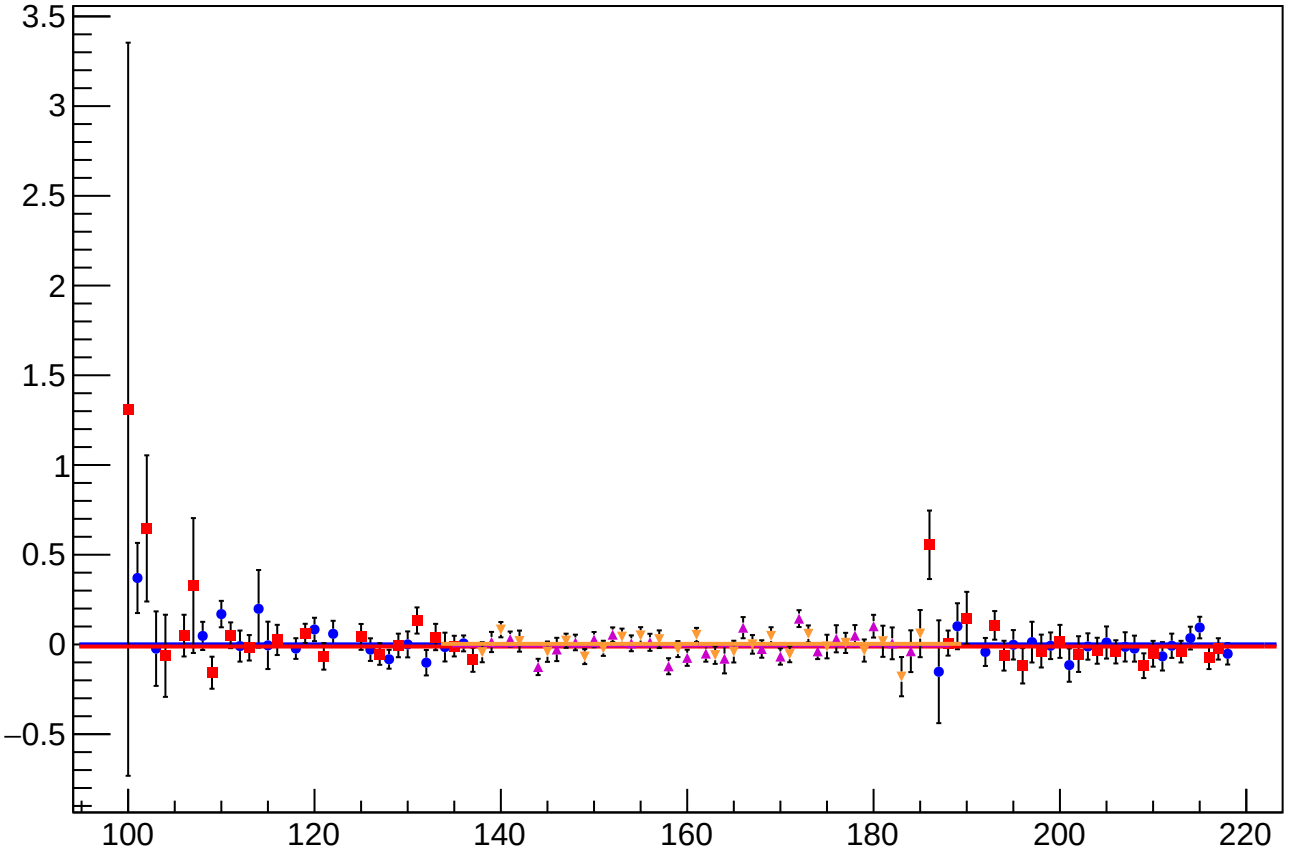
Right: 0.002+/-0.000 χ^2/NDF: 22810216.1/65

In: 0.001+/-0.000 χ^2/NDF:28286363.8/54

Out: 0.001+/-0.000 χ^2/NDF:32170670.0/57

All: 0.001+/-0.000 χ^2/NDF: 61325921.6/112

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: -0.012+/-0.013 χ^2/NDF: 35.3/33

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

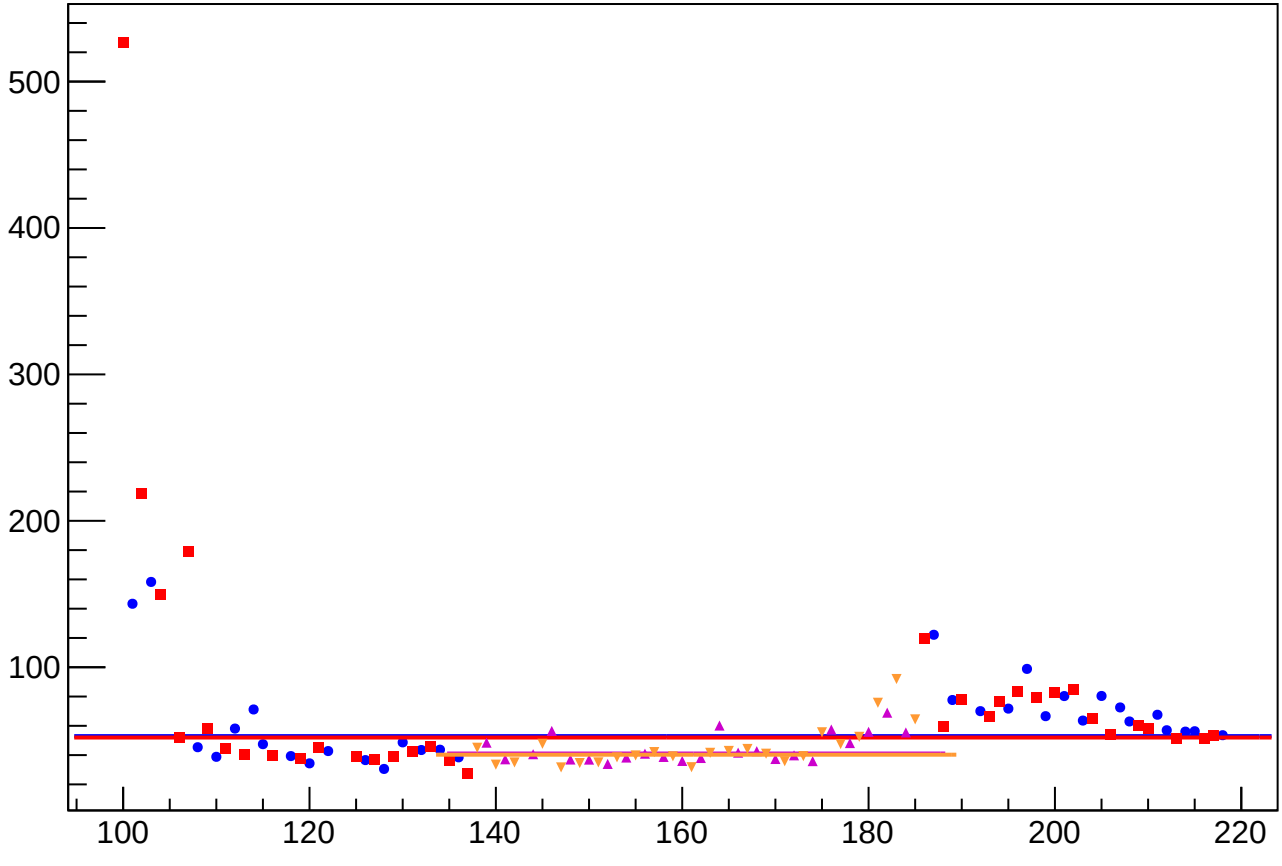
Right: -0.006+/-0.009 χ^2/NDF: 60.2/65

In: -0.003+/-0.008 χ^2/NDF:66.0/54

Out: -0.002+/-0.008 χ^2/NDF:58.0/57

All: -0.003+/-0.006 χ^2/NDF: 124.0/112

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: 52.004+/-0.009 χ^2/NDF: 3574116.9/33

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

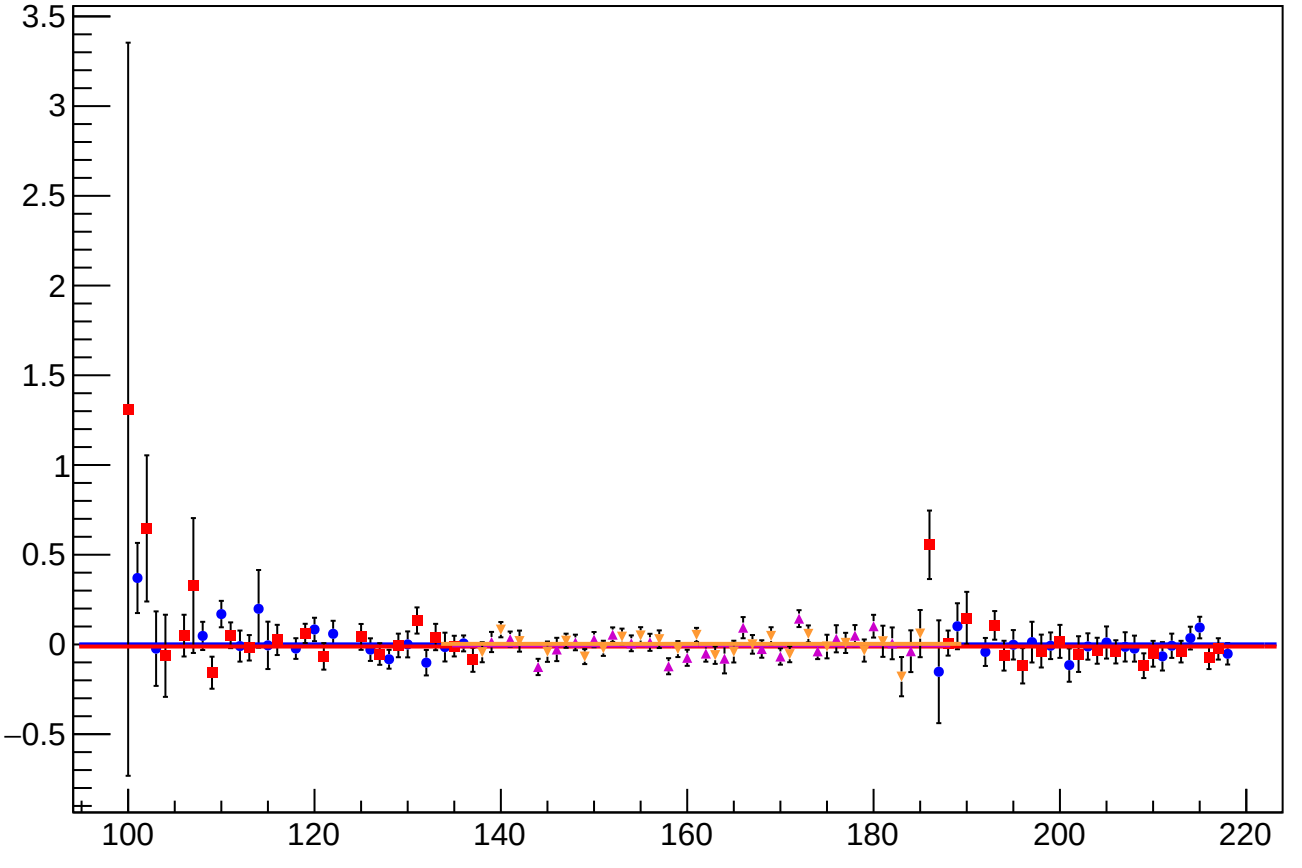
Right: 52.492+/-0.007 χ^2/NDF: 7163397.4/65

In: 45.653+/-0.006 χ^2/NDF:5485469.8/54

Out: 44.660+/-0.006 χ^2/NDF:6019105.5/57

All: 45.151+/-0.004 χ^2/NDF: 11519064.1/112

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: -0.012+/-0.013 χ^2/NDF: 35.3/33

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

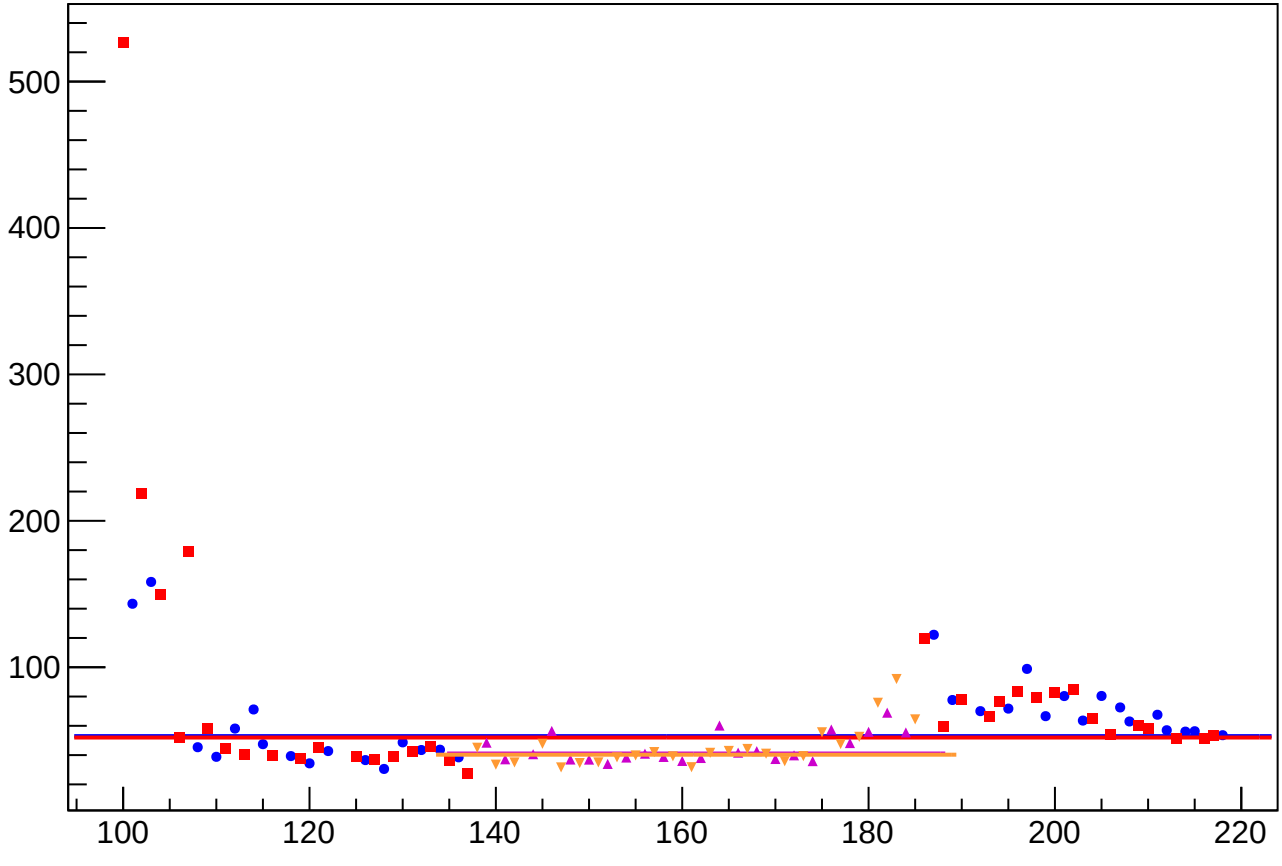
Right: -0.006+/-0.009 χ^2/NDF: 60.2/65

In: -0.003+/-0.008 χ^2/NDF:66.0/54

Out: -0.002+/-0.008 χ^2/NDF:58.0/57

All: -0.003+/-0.006 χ^2/NDF: 124.0/112

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: 52.004+/-0.009 χ^2/NDF: 3574116.9/33

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

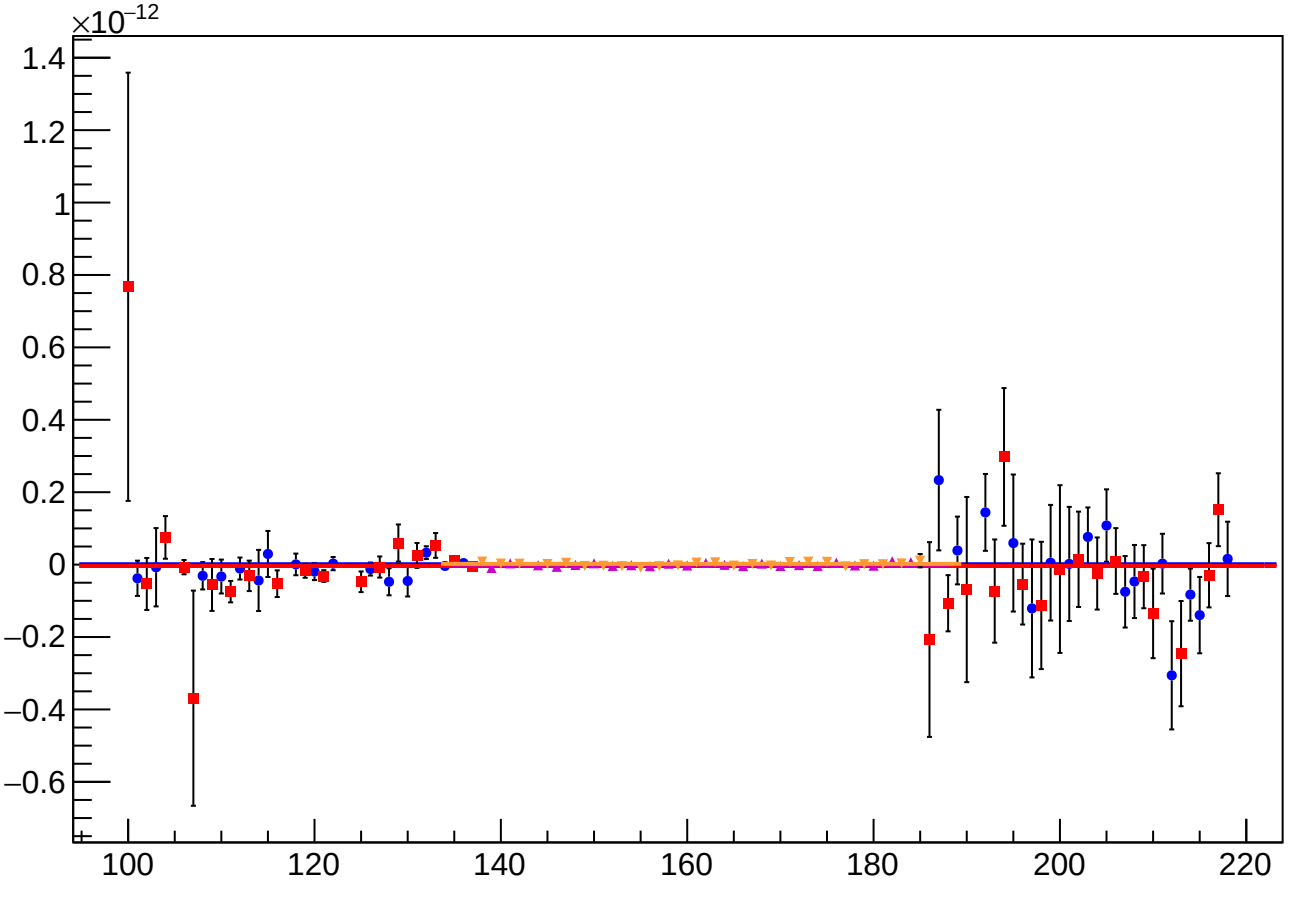
Right: 52.492+/-0.007 χ^2/NDF: 7163397.4/65

In: 45.653+/-0.006 χ^2/NDF:5485469.8/54

Out: 44.660+/-0.006 χ^2/NDF:6019105.5/57

All: 45.151+/-0.004 χ^2/NDF: 11519064.1/112

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 41.1/33

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

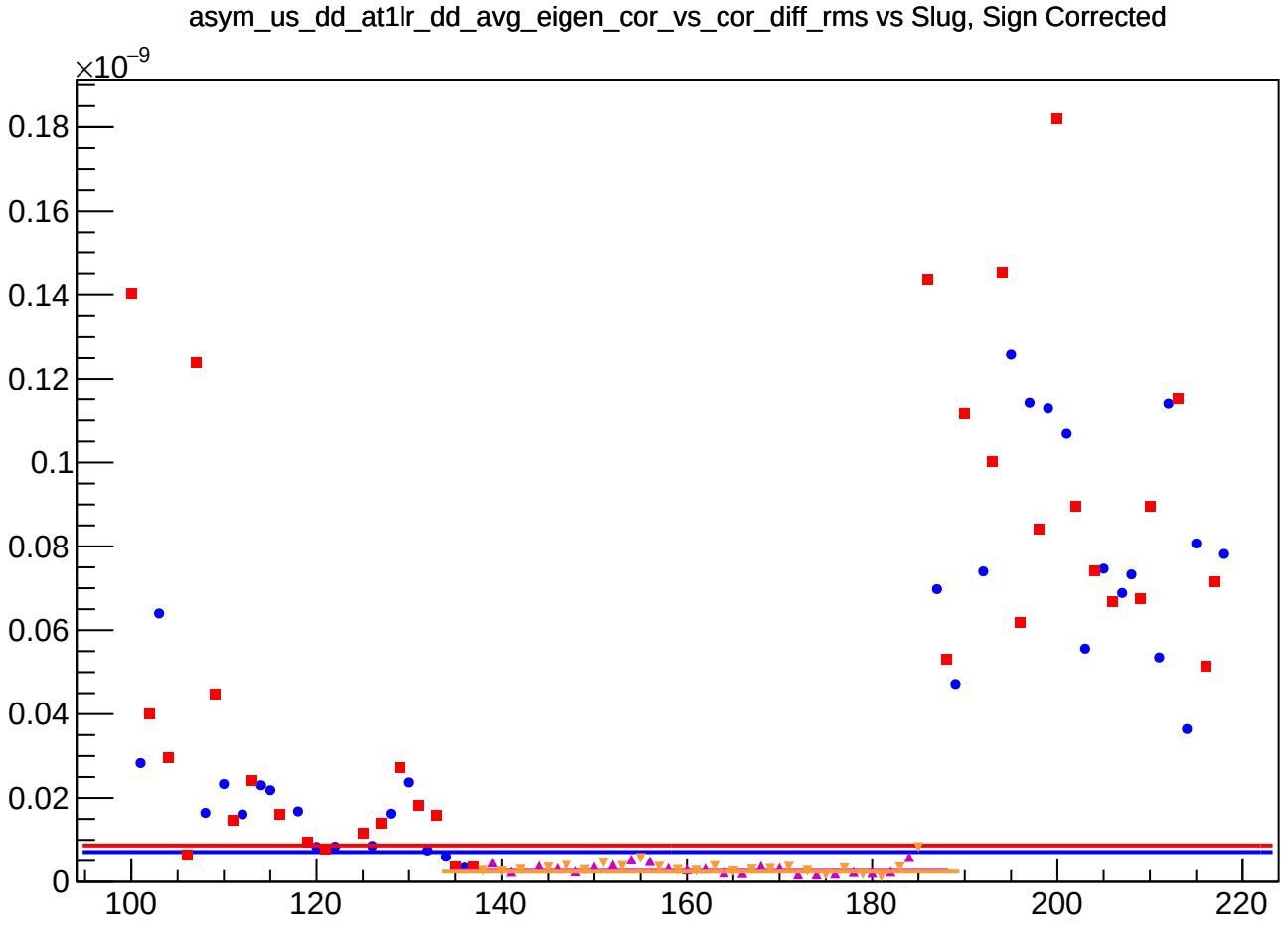
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

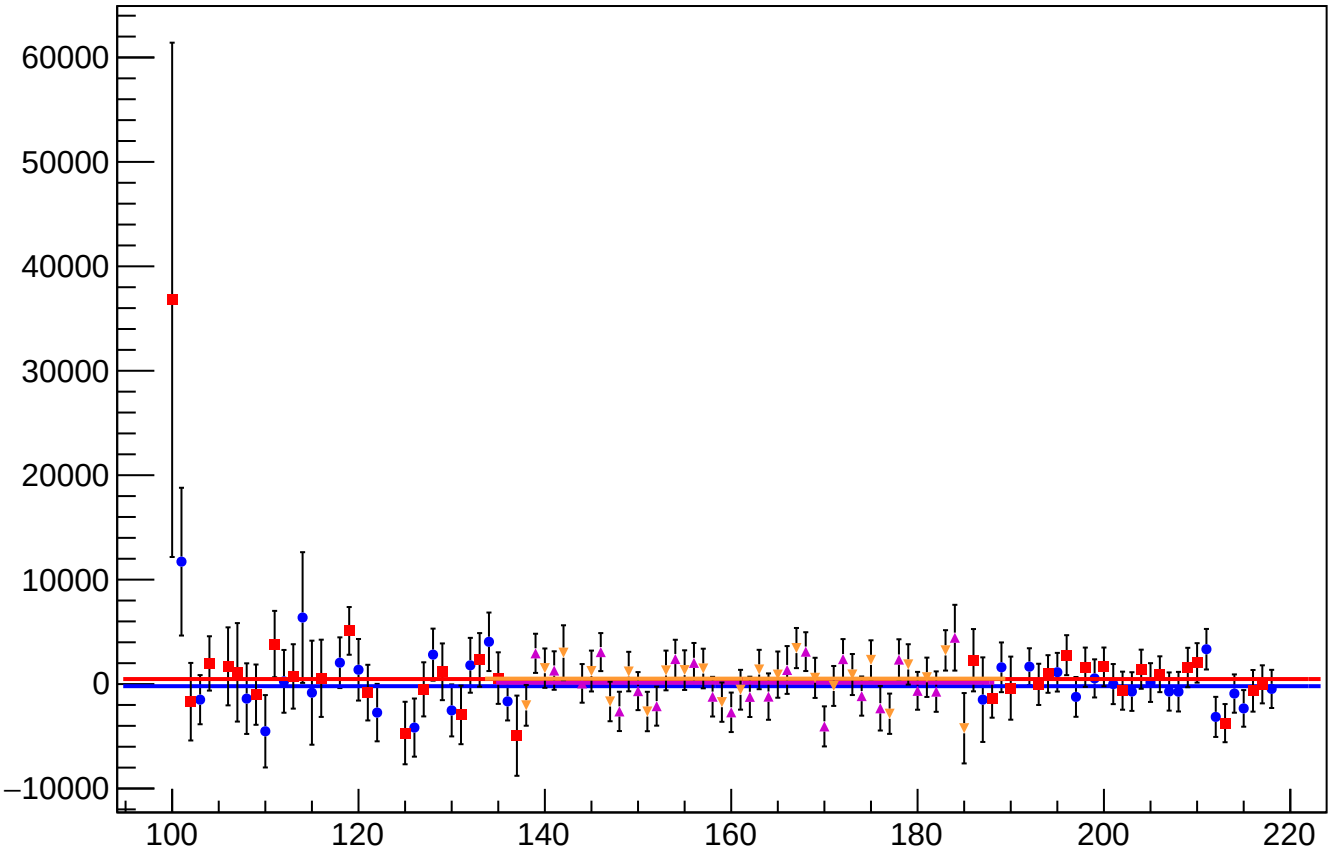
Right: -0.000+/-0.000 χ^2/NDF: 66.4/65

In: -0.000+/-0.000 χ^2/NDF:47.9/54

Out: 0.000+/-0.000 χ^2/NDF:67.8/57

All: 0.000+/-0.000 χ^2/NDF: 119.0/112


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: 15871605.8/33
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: 31165954.8/65
In: 0.000+/-0.000 χ²/NDF:19668236.6/54
Out: 0.000+/-0.000 χ²/NDF:22121864.1/57
All: 0.000+/-0.000 χ²/NDF: 41859880.2/112



Right In: -202.350+/-398.257 χ^2/NDF: 26.2/31

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 480.868+/-400.516 χ^2/NDF: 27.0/33

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

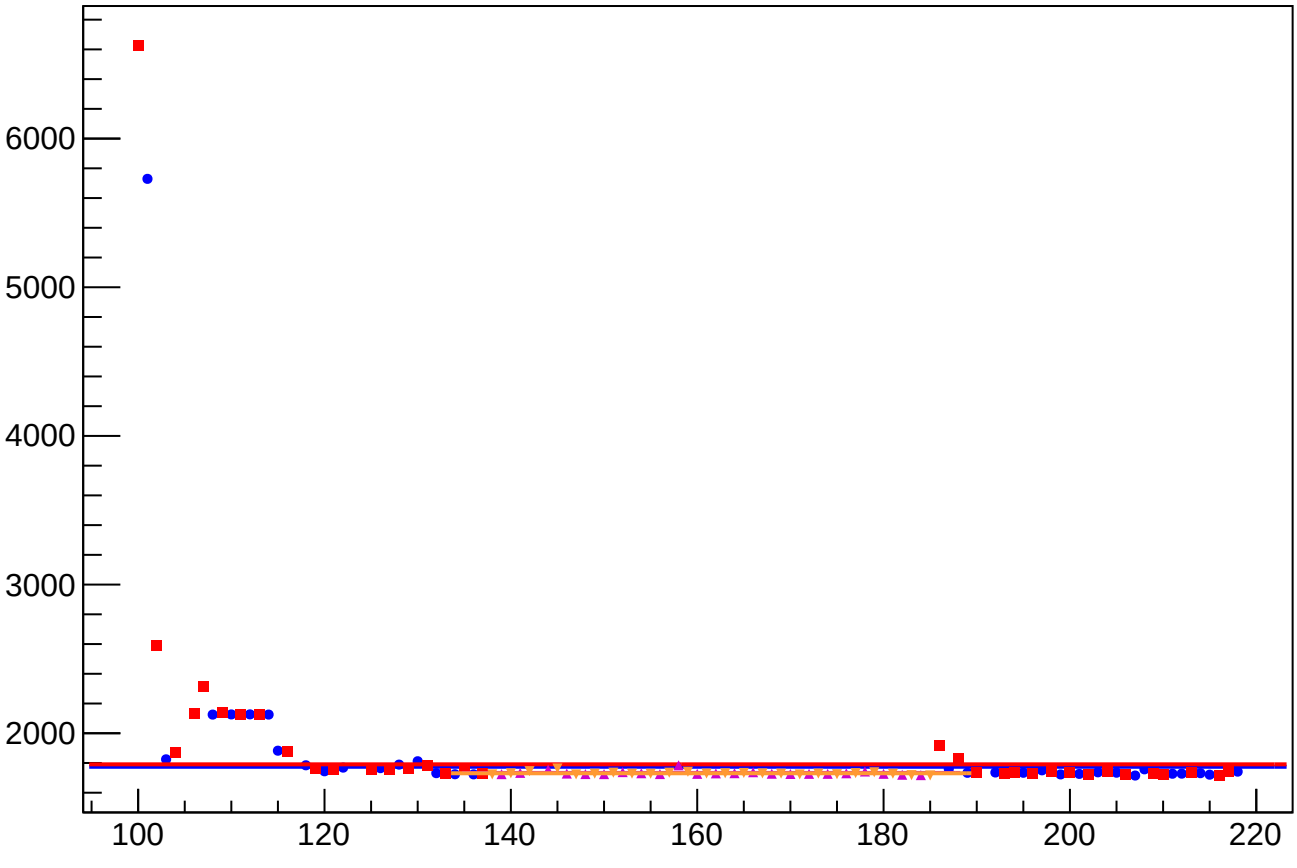
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 137.327+/-282.406 χ^2/NDF: 54.7/65

In: -40.766+/-283.837 χ^2/NDF:56.0/54

Out: 500.340+/-283.627 χ^2/NDF:47.8/57

All: 229.987+/-200.629 χ^2/NDF: 105.6/112



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: 1790.919+/-0.283 χ^2/NDF: 324490.1/33

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

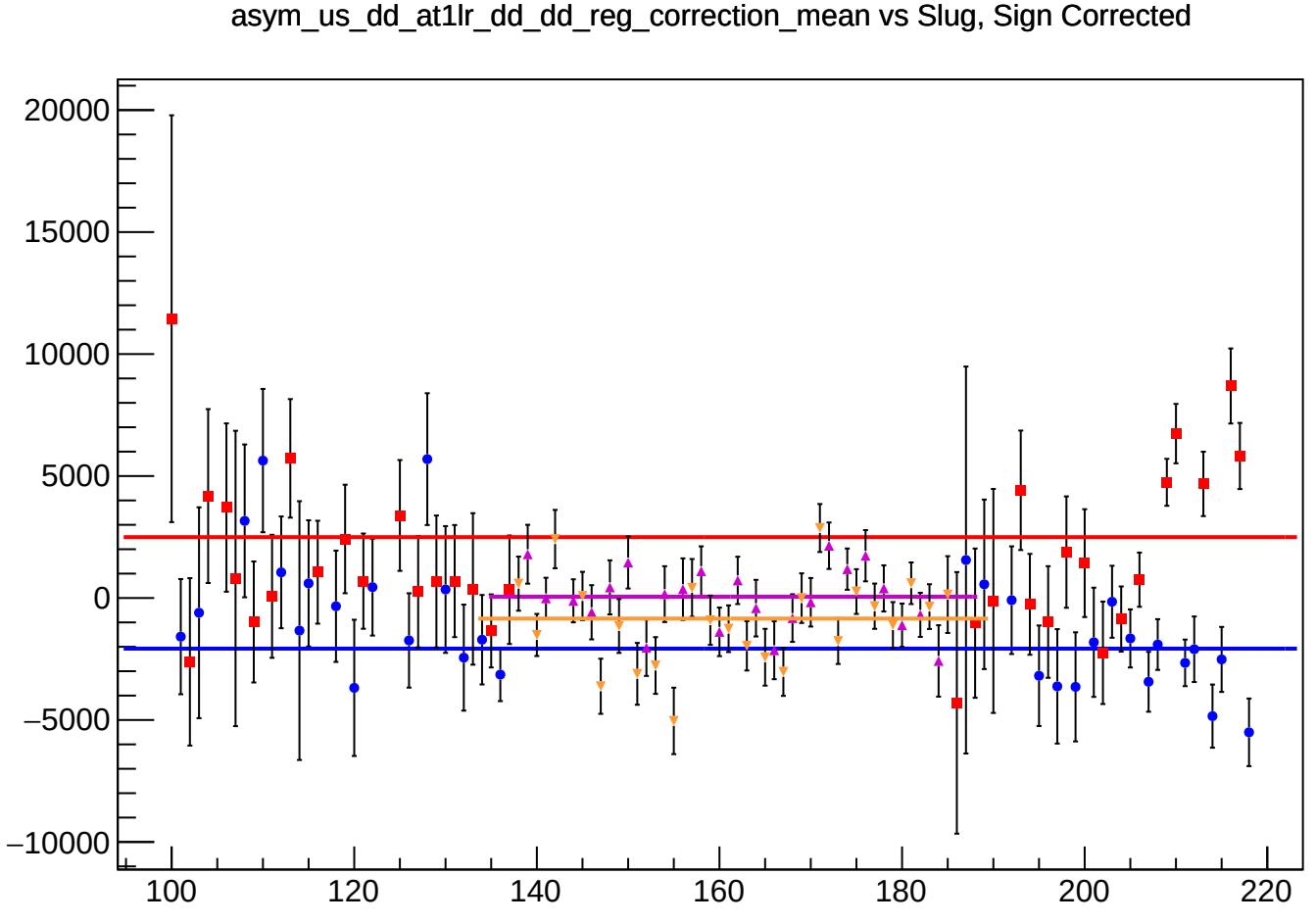
Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

Right: 1782.683+/-0.200 χ^2/NDF: 1047927.1/65

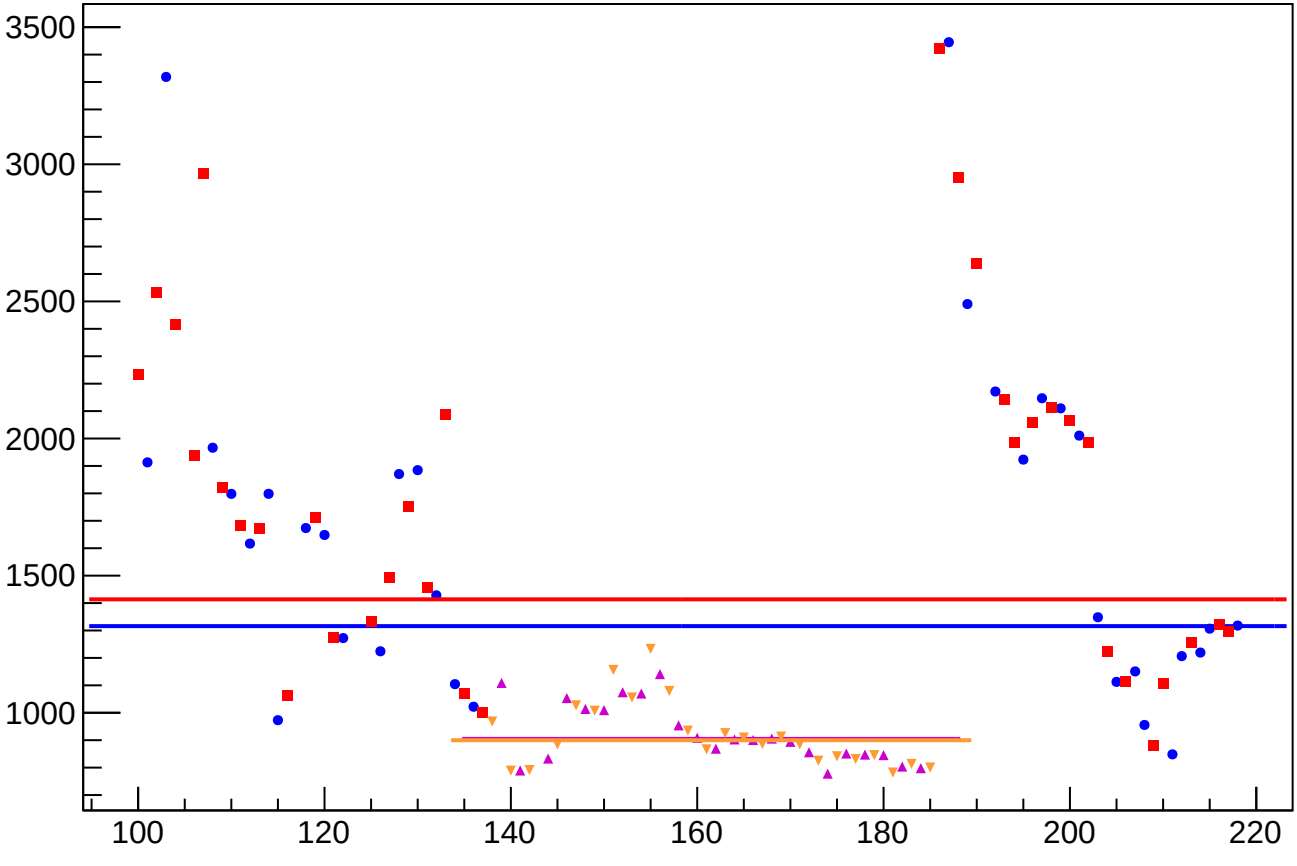
In: 1754.103+/-0.201 χ^2/NDF:734695.2/54

Out: 1760.972+/-0.201 χ^2/NDF:347888.8/57

All: 1757.540+/-0.142 χ^2/NDF: 1083170.0/11


asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -2075.007+/-308.422 χ²/NDF: 42.6/31
Left Out: -842.437+/-210.852 χ²/NDF:62.7/23
Right Out: 2494.765+/-333.331 χ²/NDF: 84.7/33
Left In: 53.905+/-212.966 χ²/NDF:30.6/22
Left: -398.736+/-149.837 χ²/NDF: 102.3/46
Right: 32.773+/-226.382 χ²/NDF: 228.5/65
In: -633.430+/-175.247 χ²/NDF:105.5/54
Out: 111.276+/-178.194 χ²/NDF:218.9/57
All: -267.286+/-124.947 χ²/NDF: 333.3/112

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



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: 1413.596+/-0.236 χ^2/NDF: 3976179.4/33

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

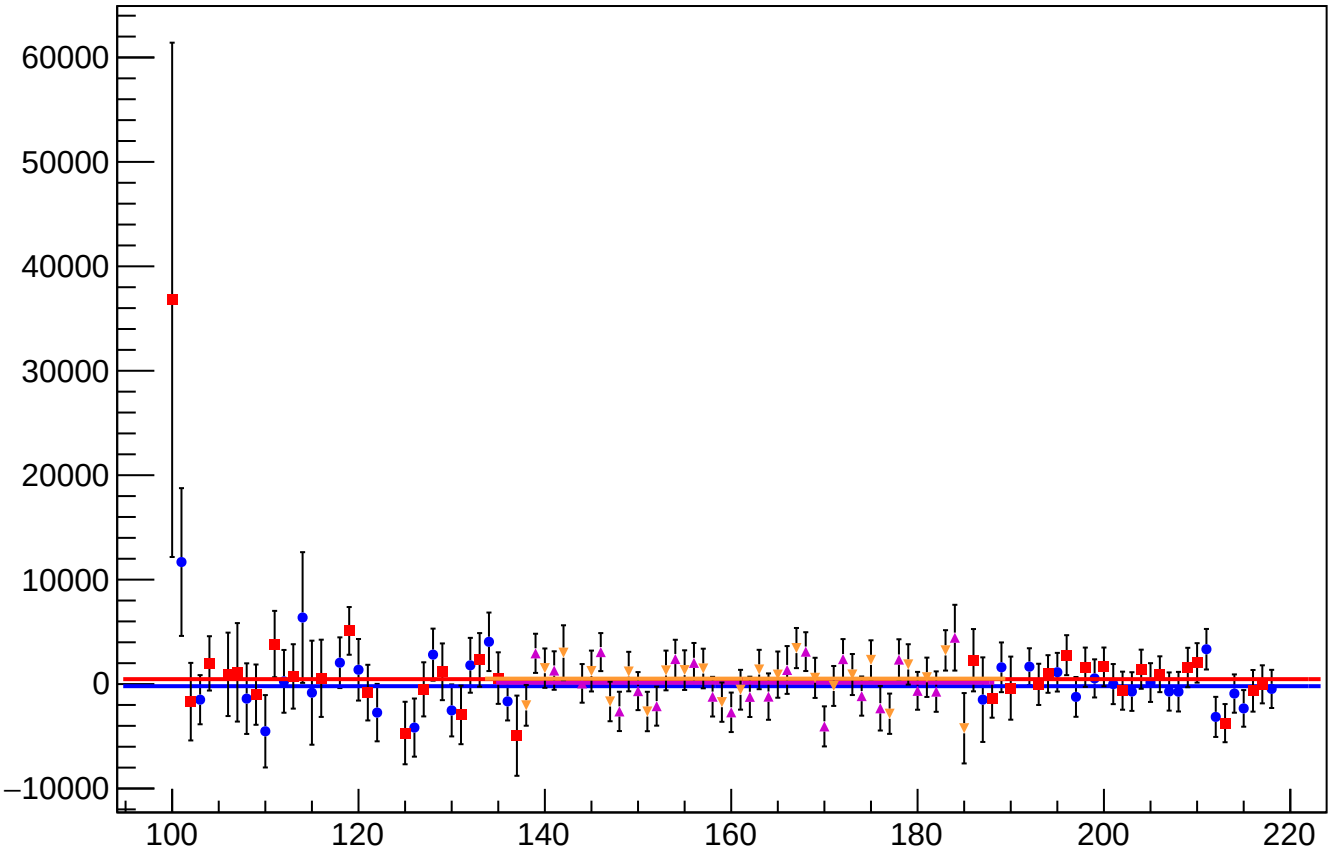
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1360.989+/-0.160 χ^2/NDF: 7676566.8/65

In: 1037.446+/-0.124 χ^2/NDF:6468570.0/54

Out: 1046.642+/-0.126 χ^2/NDF:7865187.1/57

All: 1041.967+/-0.088 χ^2/NDF: 14336464.8/1



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: 471.548+/-400.805 χ^2/NDF: 27.0/33

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

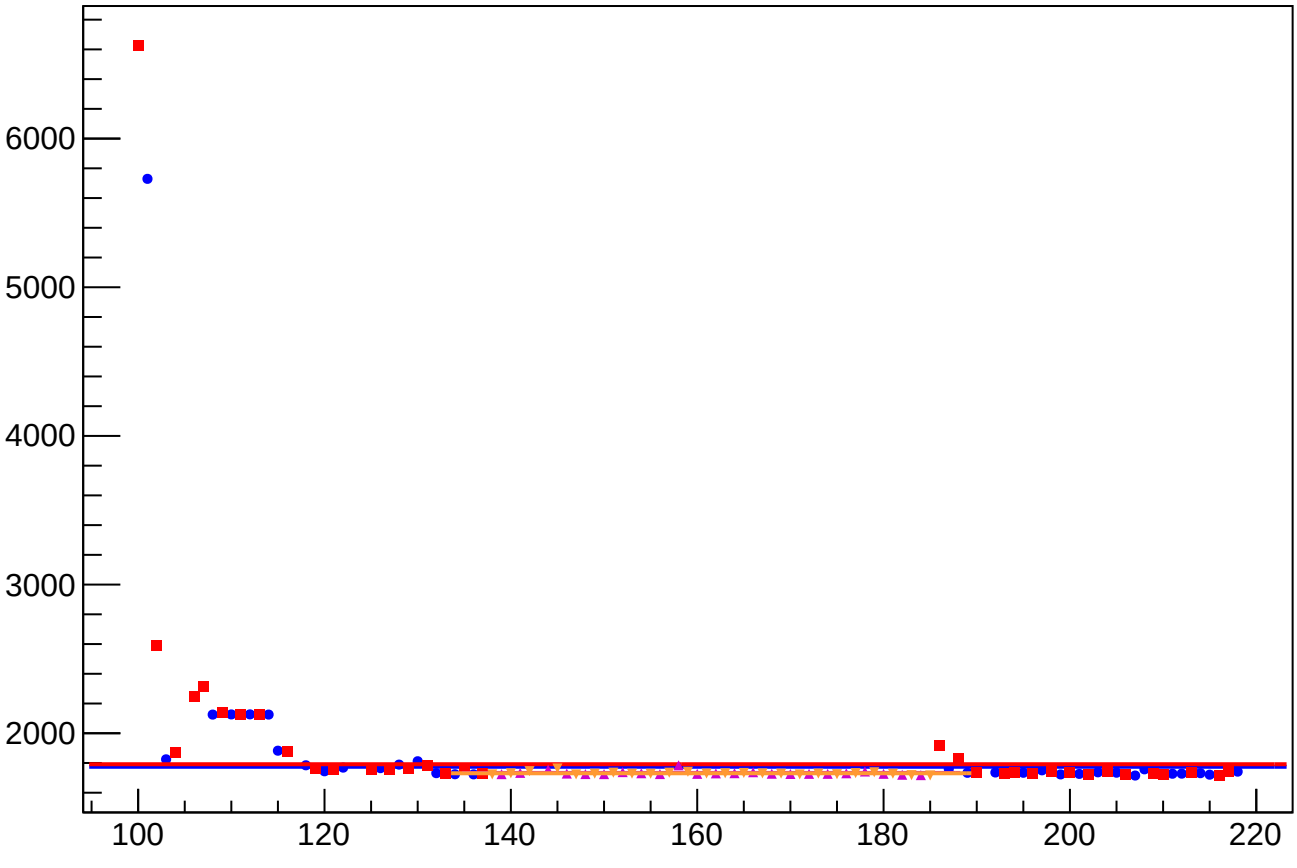
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 132.295+/-282.507 χ^2/NDF: 54.6/65

In: -40.892+/-283.837 χ^2/NDF:56.0/54

Out: 495.698+/-283.730 χ^2/NDF:47.7/57

All: 227.504+/-200.665 χ^2/NDF: 105.5/112



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: 1791.601+/-0.283 χ^2/NDF: 334089.1/33

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

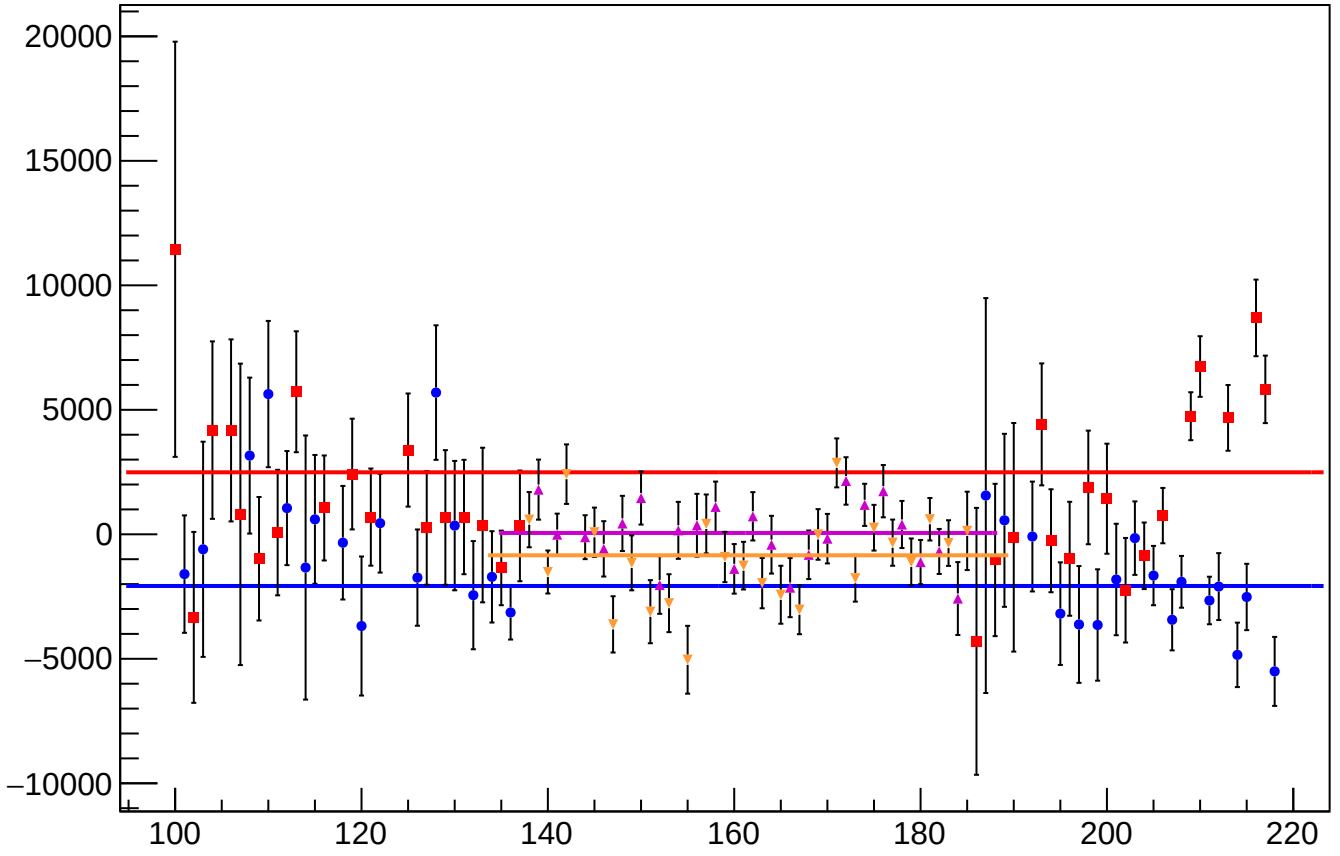
Right: 1783.016+/-0.200 χ^2/NDF: 1057667.7/65

In: 1754.103+/-0.201 χ^2/NDF:734695.0/54

Out: 1761.292+/-0.201 χ^2/NDF:357983.7/57

All: 1757.699+/-0.142 χ^2/NDF: 1093320.5/11

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: 2490.622+/-333.501 χ^2/NDF: 85.4/33

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

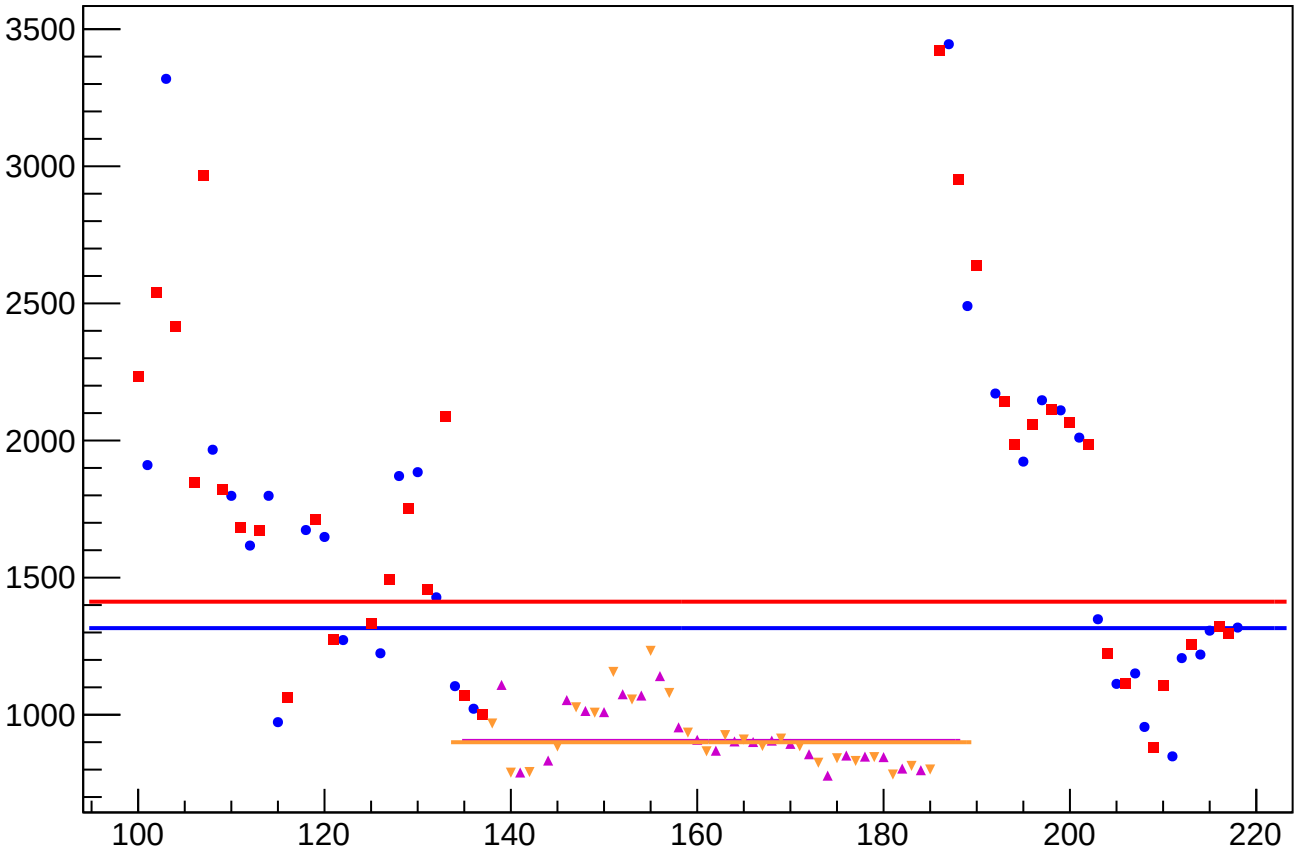
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: 29.547+/-226.432 χ^2/NDF: 229.0/65

In: -633.495+/-175.245 χ^2/NDF:105.5/54

Out: 109.376+/-178.220 χ^2/NDF:219.5/57

All: -268.312+/-124.956 χ^2/NDF: 333.8/112



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: 1412.315+/-0.236 χ^2/NDF: 3959775.8/33

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

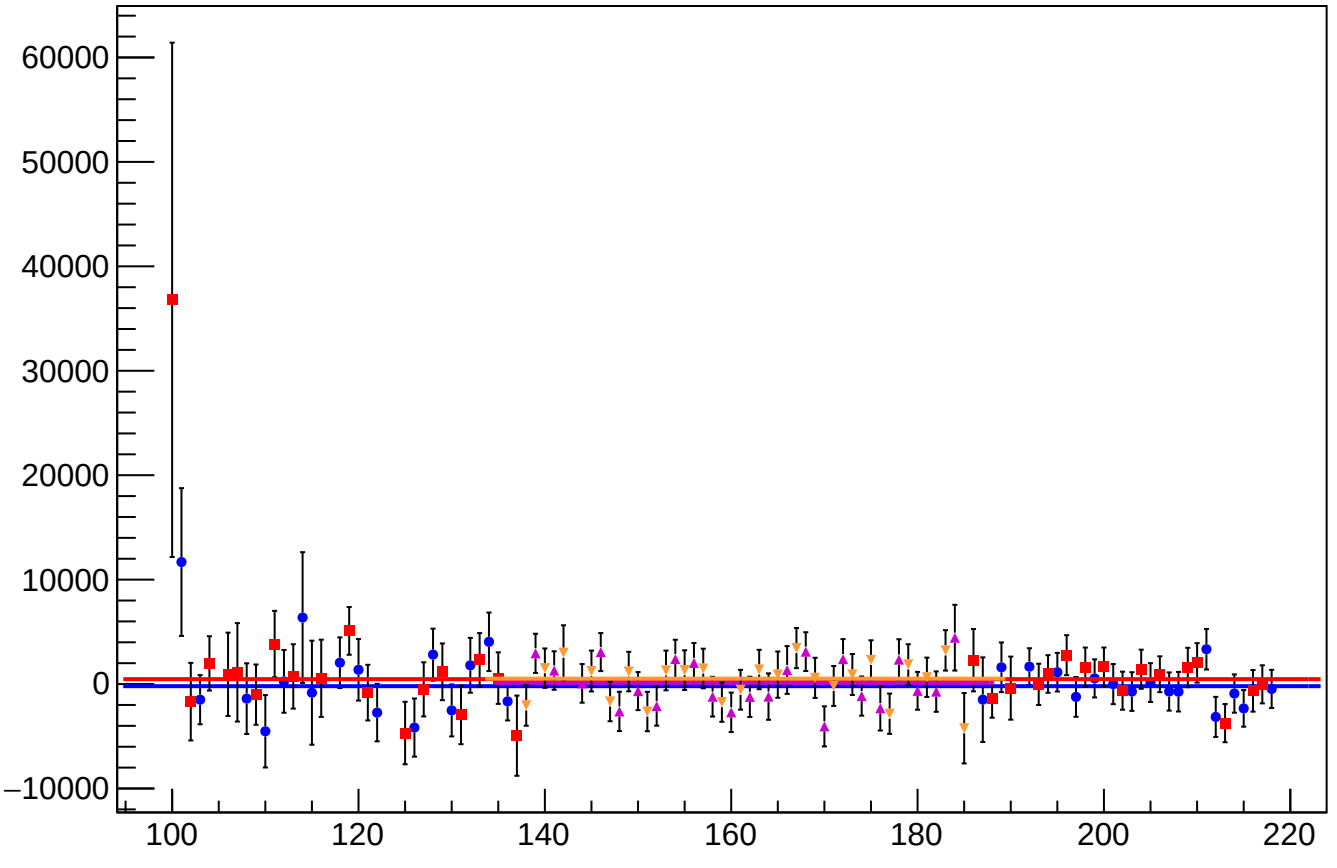
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1360.361+/-0.160 χ^2/NDF: 7657070.6/65

In: 1037.440+/-0.124 χ^2/NDF:6467765.4/54

Out: 1046.172+/-0.126 χ^2/NDF:7829330.1/57

All: 1041.733+/-0.088 χ^2/NDF: 14299536.1/1



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: 471.548+/-400.805 χ^2/NDF: 27.0/33

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

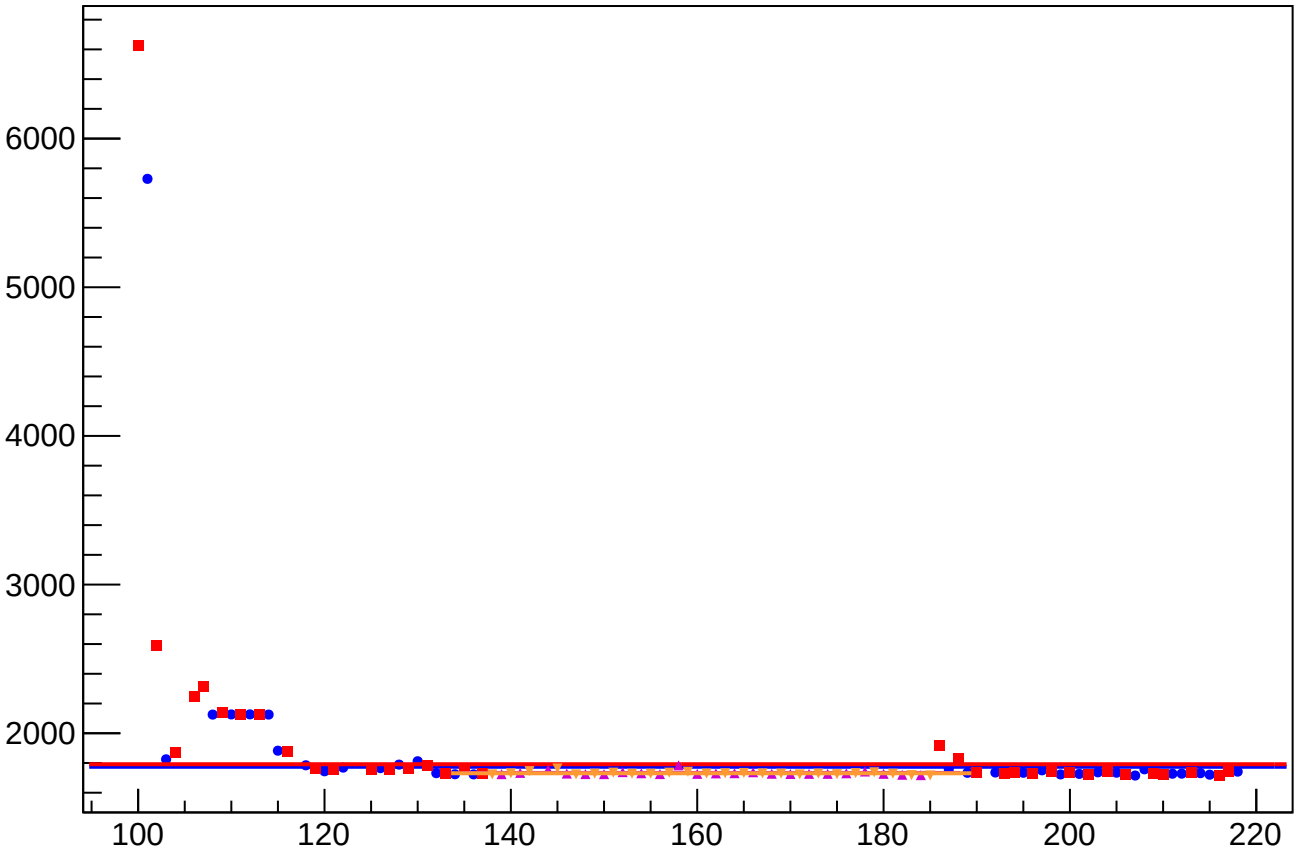
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 132.295+/-282.507 χ^2/NDF: 54.6/65

In: -40.892+/-283.837 χ^2/NDF:56.0/54

Out: 495.698+/-283.730 χ^2/NDF:47.7/57

All: 227.504+/-200.665 χ^2/NDF: 105.5/112



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: 1791.601+/-0.283 χ^2/NDF: 334089.1/33

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

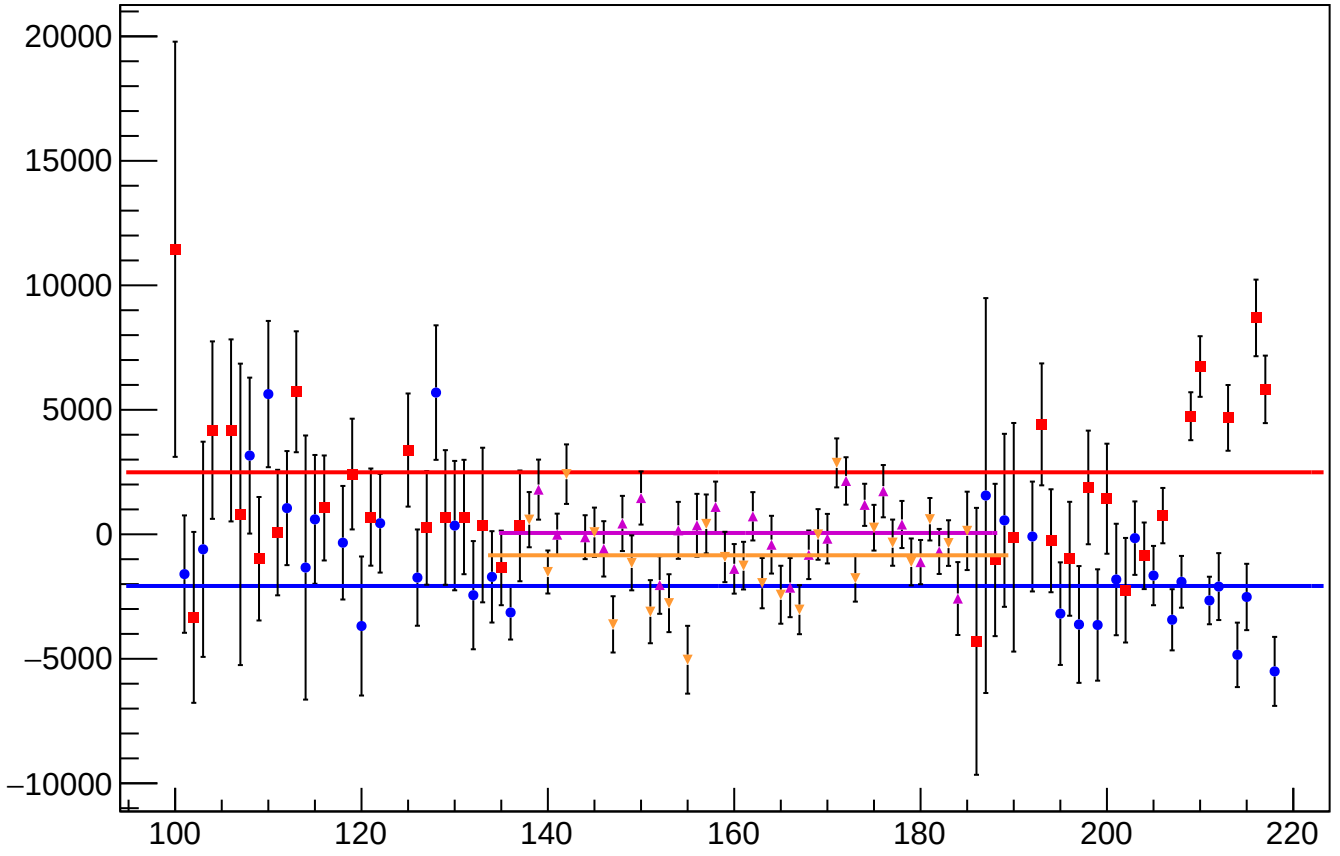
Right: 1783.016+/-0.200 χ^2/NDF: 1057667.7/65

In: 1754.103+/-0.201 χ^2/NDF:734695.0/54

Out: 1761.292+/-0.201 χ^2/NDF:357983.7/57

All: 1757.699+/-0.142 χ^2/NDF: 1093320.5/11

asym_us_dd_at1lr_dd_dd_eigen_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: 2490.622+/-333.501 χ^2/NDF: 85.4/33

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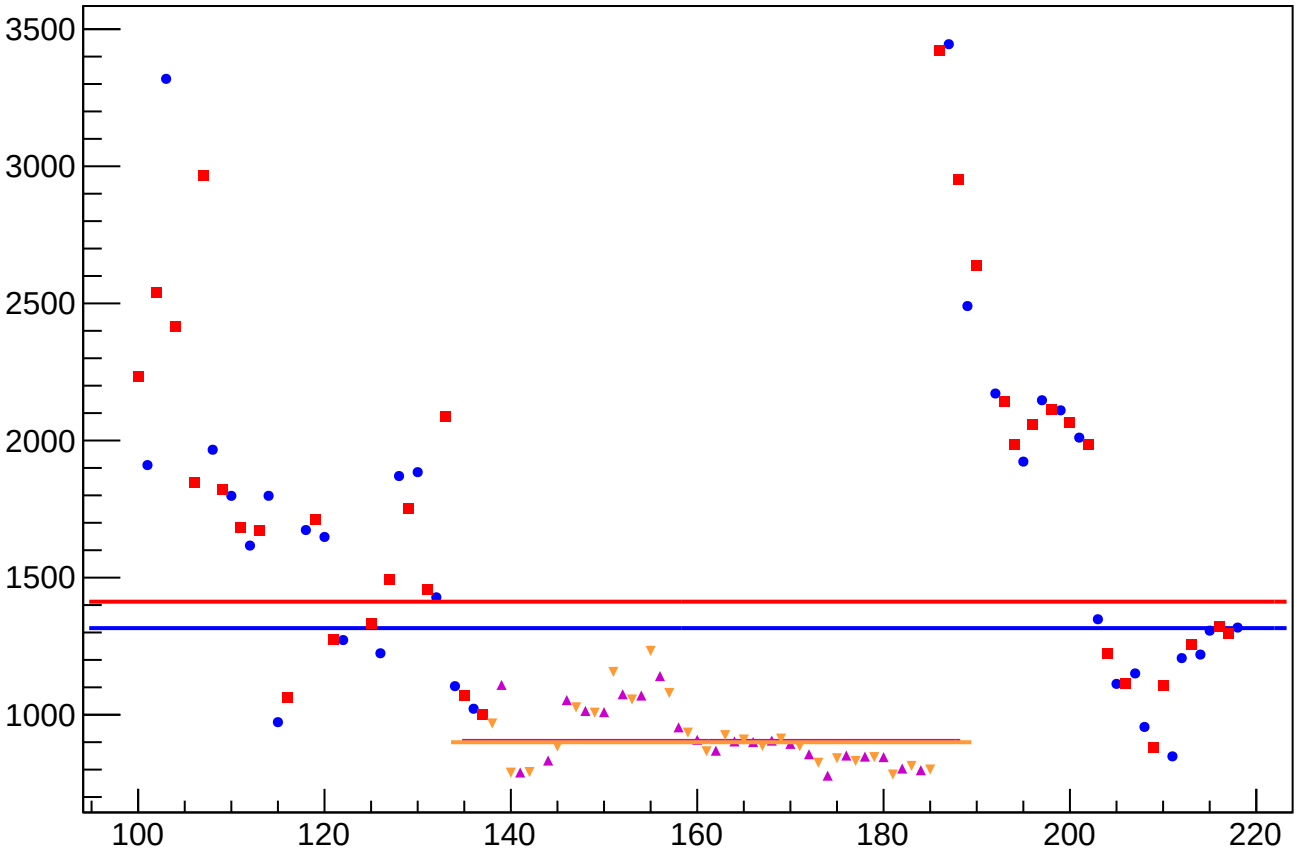
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: 29.547+/-226.432 χ^2/NDF: 229.0/65

In: -633.495+/-175.245 χ^2/NDF:105.5/54

Out: 109.376+/-178.220 χ^2/NDF:219.5/57

All: -268.312+/-124.956 χ^2/NDF: 333.8/112



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: 1412.315+/-0.236 χ^2/NDF: 3959775.8/33

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

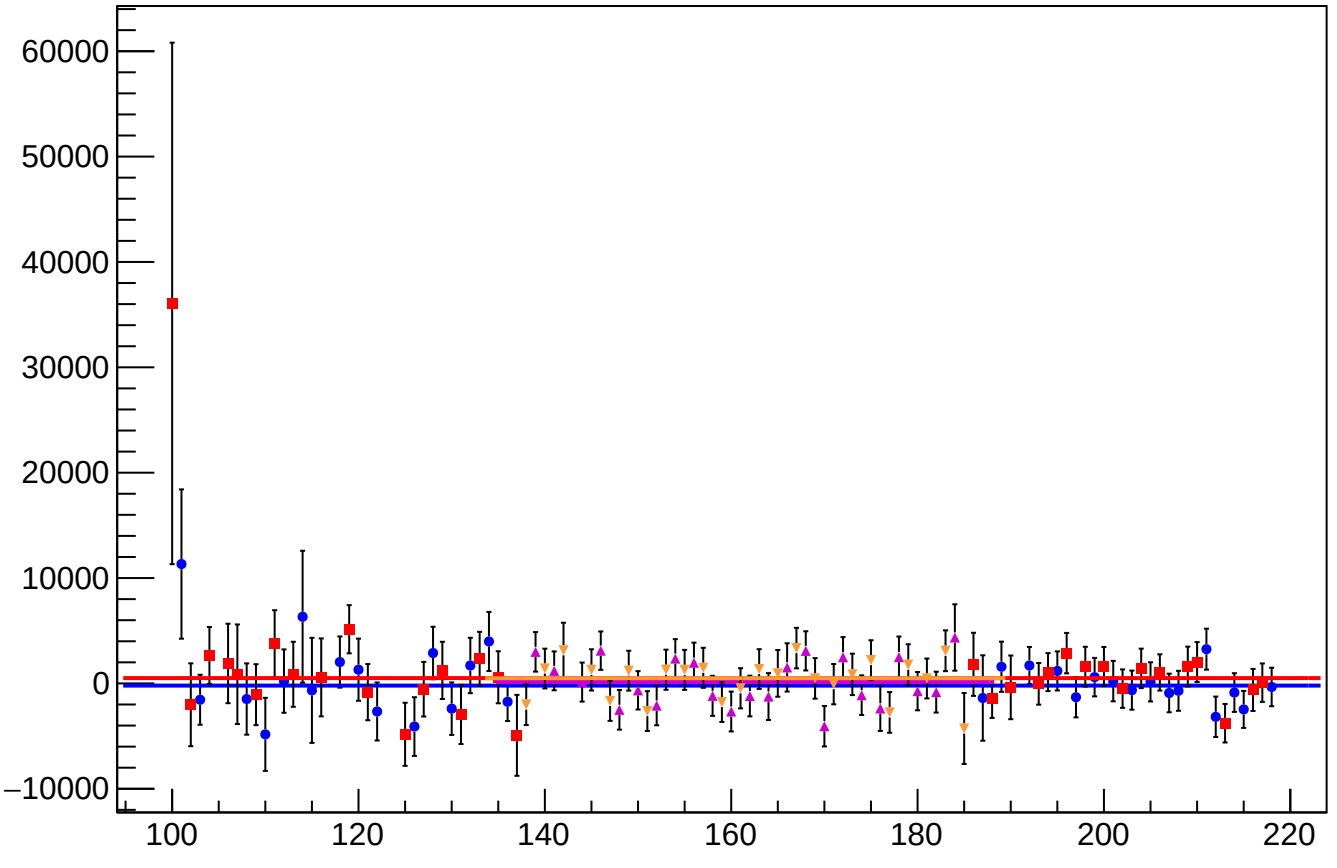
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1360.361+/-0.160 χ^2/NDF: 7657070.6/65

In: 1037.440+/-0.124 χ^2/NDF:6467765.4/54

Out: 1046.172+/-0.126 χ^2/NDF:7829330.1/57

All: 1041.733+/-0.088 χ^2/NDF: 14299536.1/1



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: 505.080+/-401.559 χ^2/NDF: 27.6/33

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

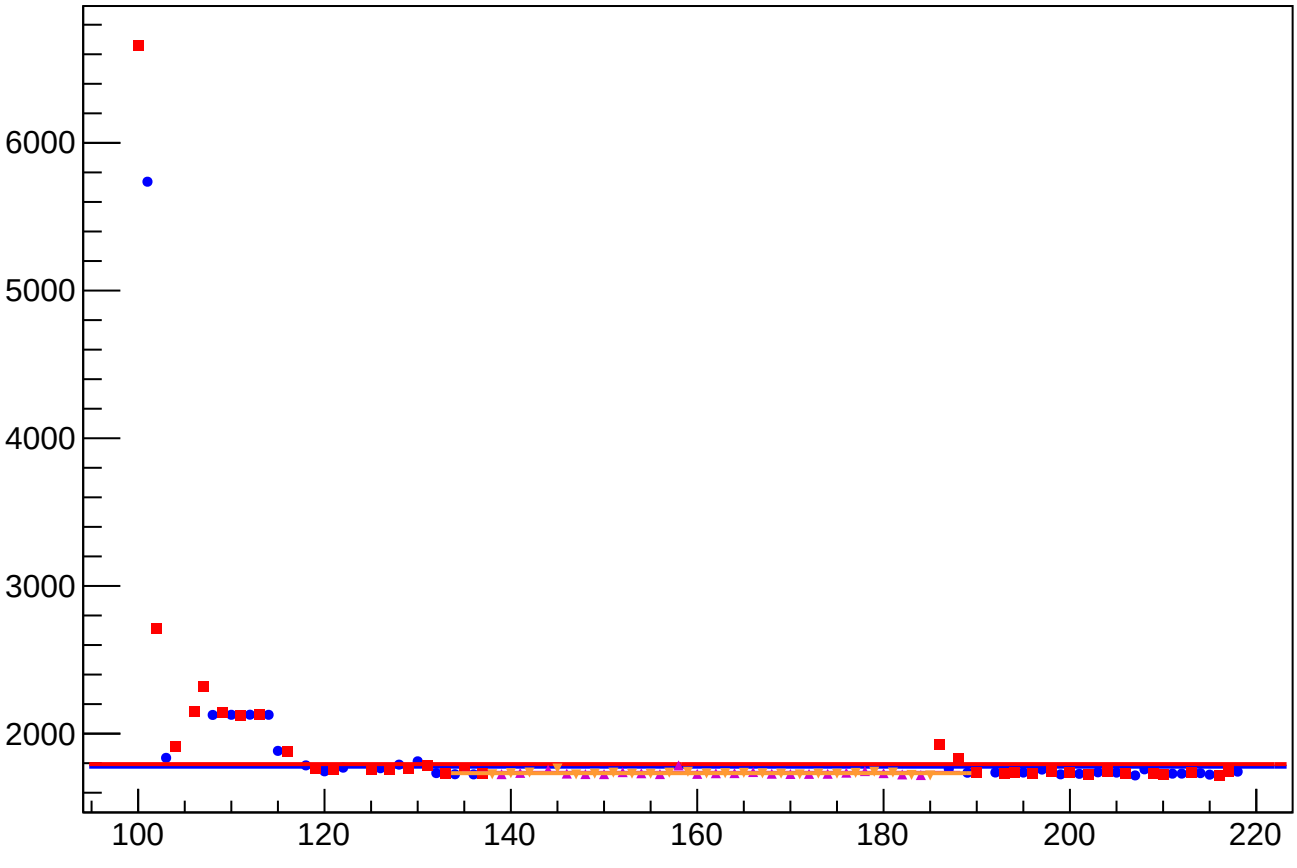
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 146.610+/-282.910 χ^2/NDF: 55.4/65

In: -37.475+/-284.104 χ^2/NDF:56.2/54

Out: 499.995+/-284.125 χ^2/NDF:47.7/57

All: 231.240+/-200.899 χ^2/NDF: 105.6/112



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: 1793.709+/-0.284 χ^2/NDF: 345040.3/33

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

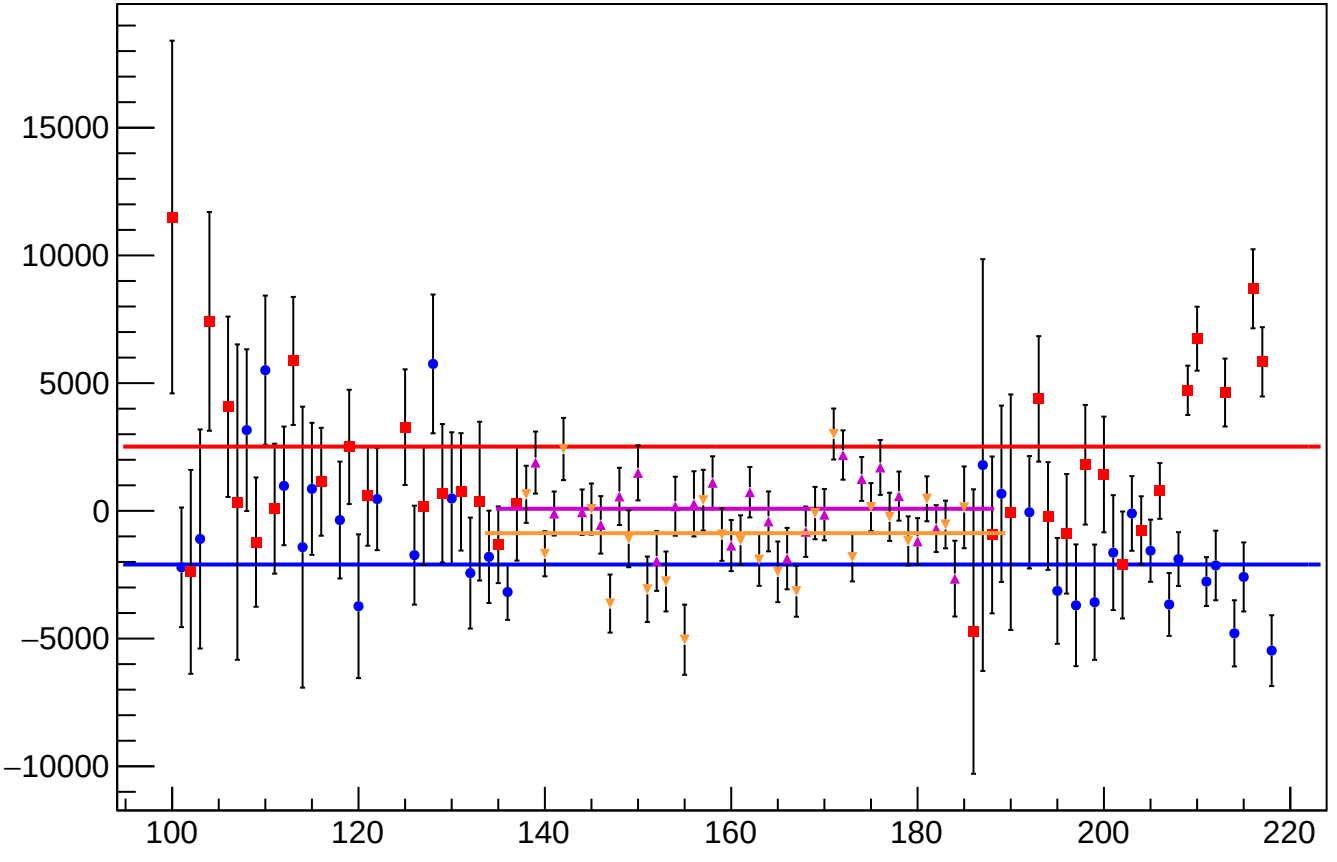
Right: 1784.877+/-0.200 χ^2/NDF: 1069245.8/65

In: 1755.698+/-0.201 χ^2/NDF:735219.4/54

Out: 1763.088+/-0.201 χ^2/NDF:369240.6/57

All: 1759.393+/-0.142 χ^2/NDF: 1105136.4/11

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: 2515.403+/-335.743 χ^2/NDF: 83.9/33

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

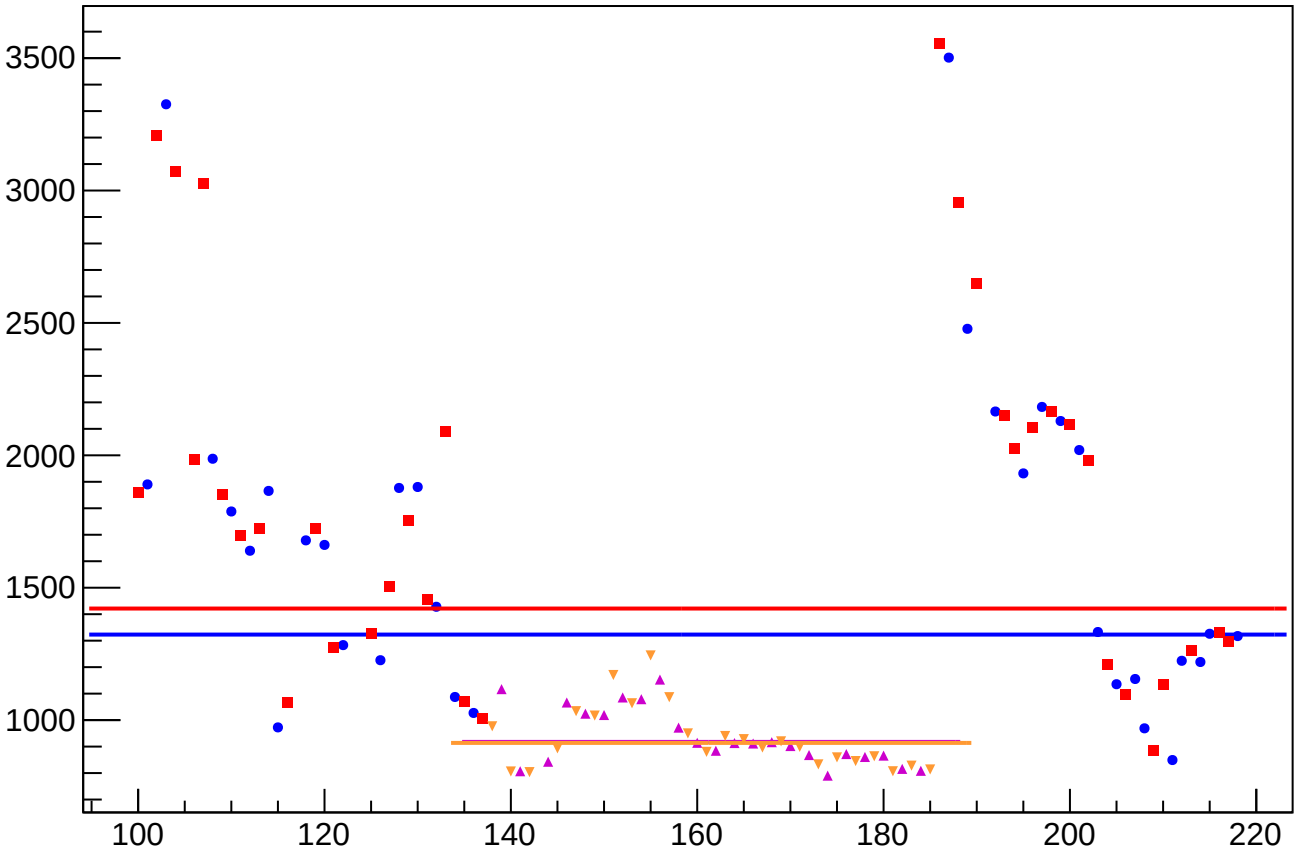
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: 23.685+/-227.760 χ^2/NDF: 229.1/65

In: -631.255+/-177.174 χ^2/NDF:106.5/54

Out: 106.078+/-180.464 χ^2/NDF:218.3/57

All: -269.371+/-126.428 χ^2/NDF: 333.3/112



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: 1421.327+/-0.237 χ^2/NDF: 4398209.7/33

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

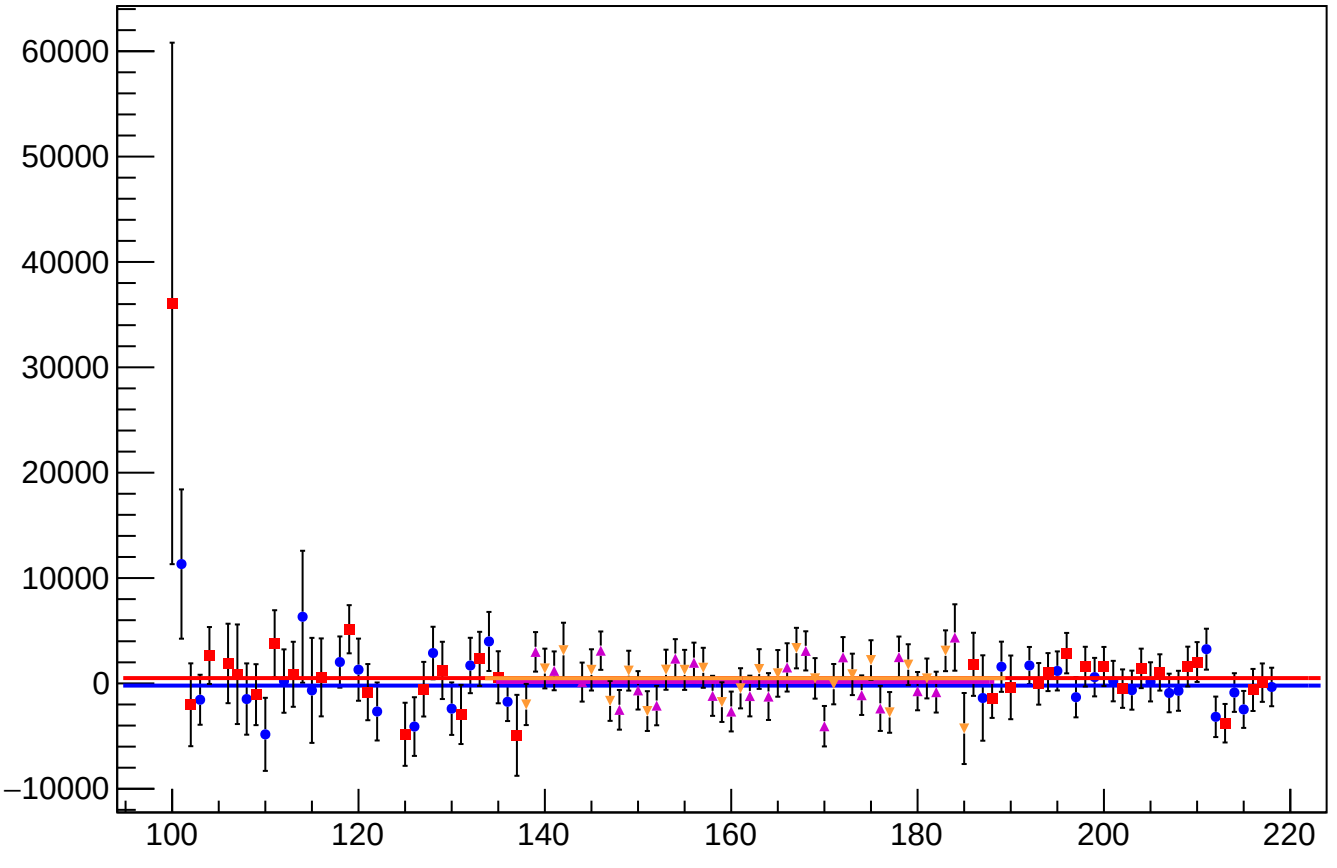
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1368.253+/-0.161 χ^2/NDF: 8089497.6/65

In: 1050.076+/-0.125 χ^2/NDF:6331574.3/54

Out: 1060.501+/-0.128 χ^2/NDF:8109598.2/57

All: 1055.193+/-0.089 χ^2/NDF: 14444571.6/1



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: 505.077+/-401.559 χ^2/NDF: 27.6/33

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

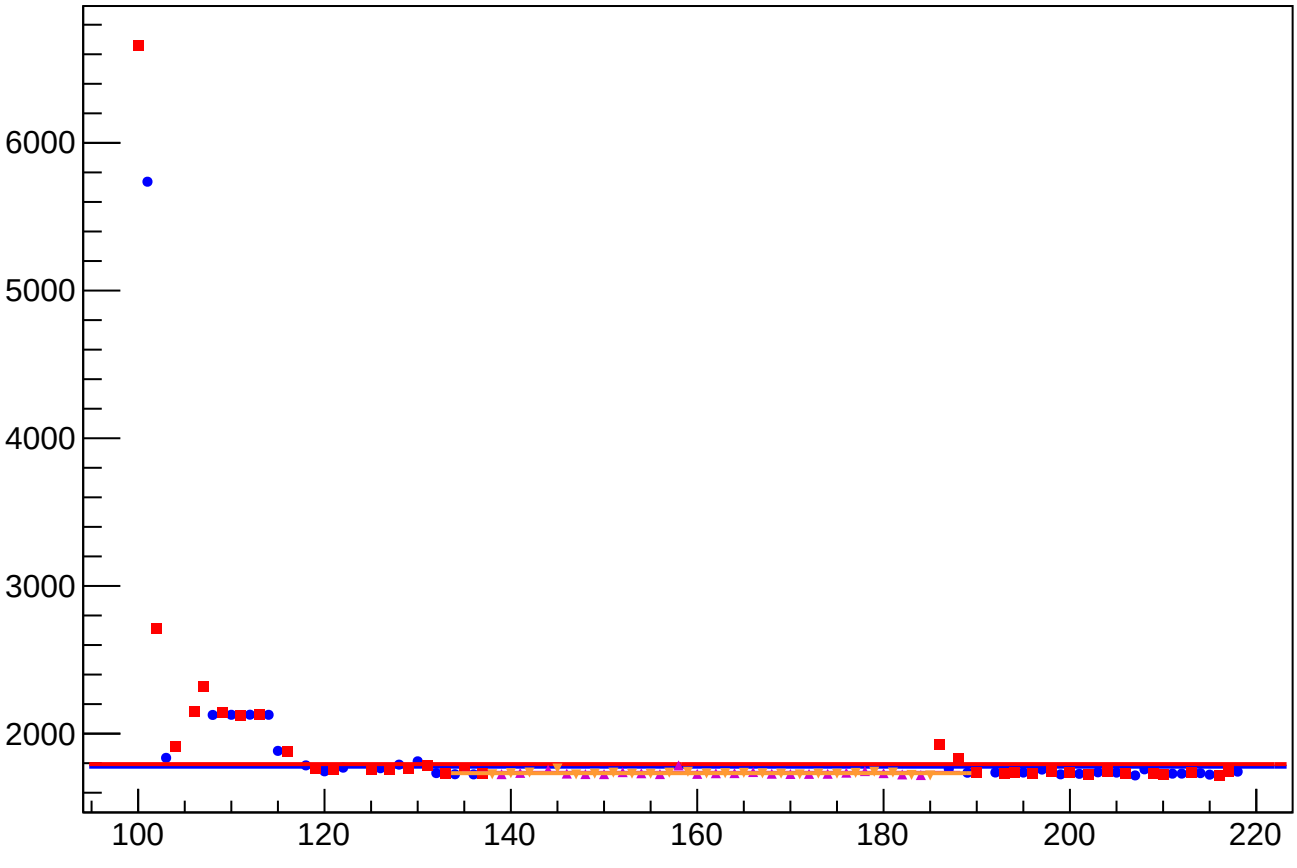
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 146.610+/-282.910 χ^2/NDF: 55.4/65

In: -37.474+/-284.104 χ^2/NDF:56.2/54

Out: 499.994+/-284.125 χ^2/NDF:47.7/57

All: 231.240+/-200.899 χ^2/NDF: 105.6/112



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: 1793.709+/-0.284 χ^2/NDF: 345040.0/33

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

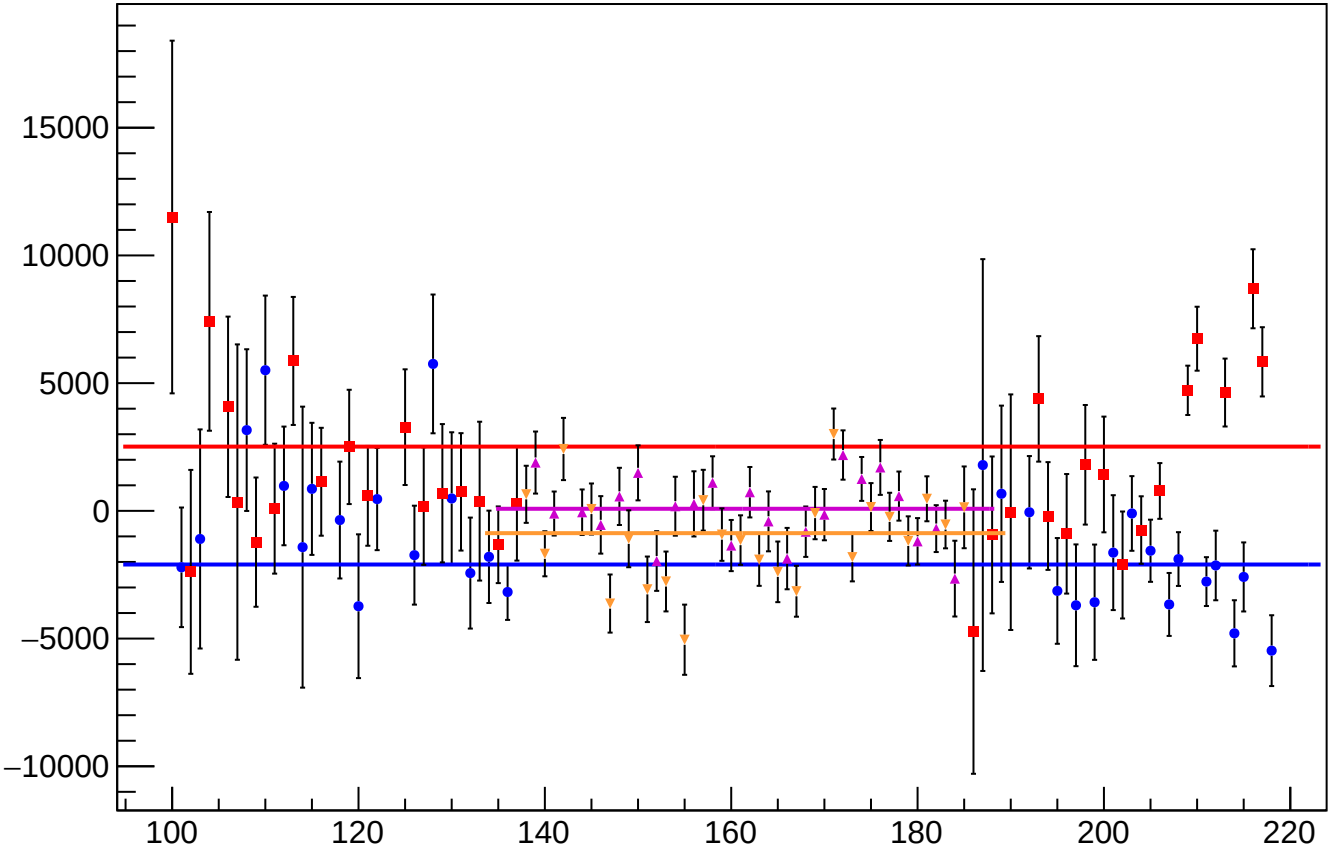
Right: 1784.877+/-0.200 χ^2/NDF: 1069245.5/65

In: 1755.698+/-0.201 χ^2/NDF:735219.3/54

Out: 1763.088+/-0.201 χ^2/NDF:369240.3/57

All: 1759.393+/-0.142 χ^2/NDF: 1105136.1/11

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: 2515.404+/-335.742 χ^2/NDF: 83.9/33

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

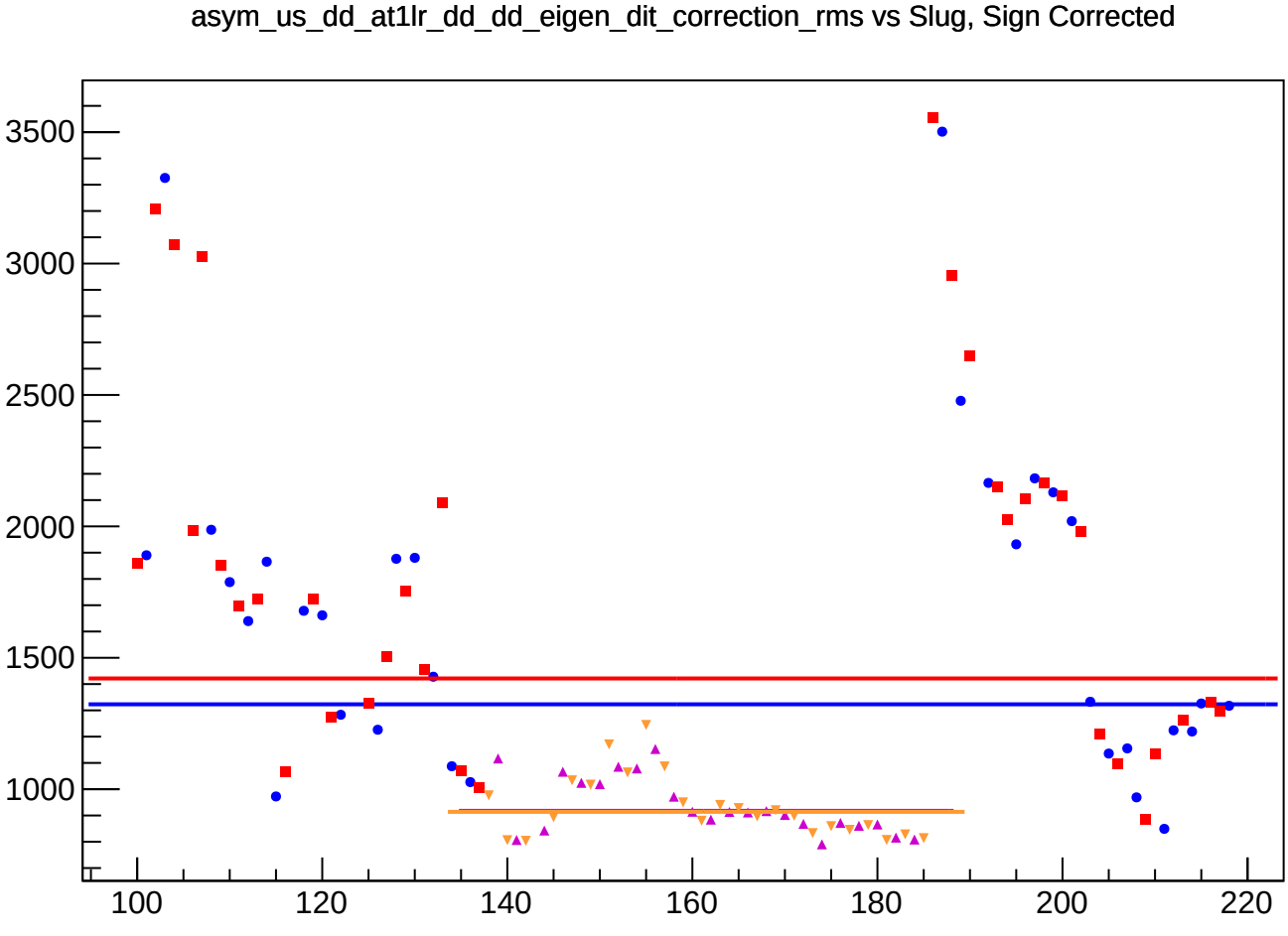
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: 23.689+/-227.760 χ^2/NDF: 229.1/65

In: -631.255+/-177.174 χ^2/NDF:106.5/54

Out: 106.081+/-180.464 χ^2/NDF:218.3/57

All: -269.369+/-126.428 χ^2/NDF: 333.3/112



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: 1421.324+/-0.237 χ^2/NDF: 4398226.5/33

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

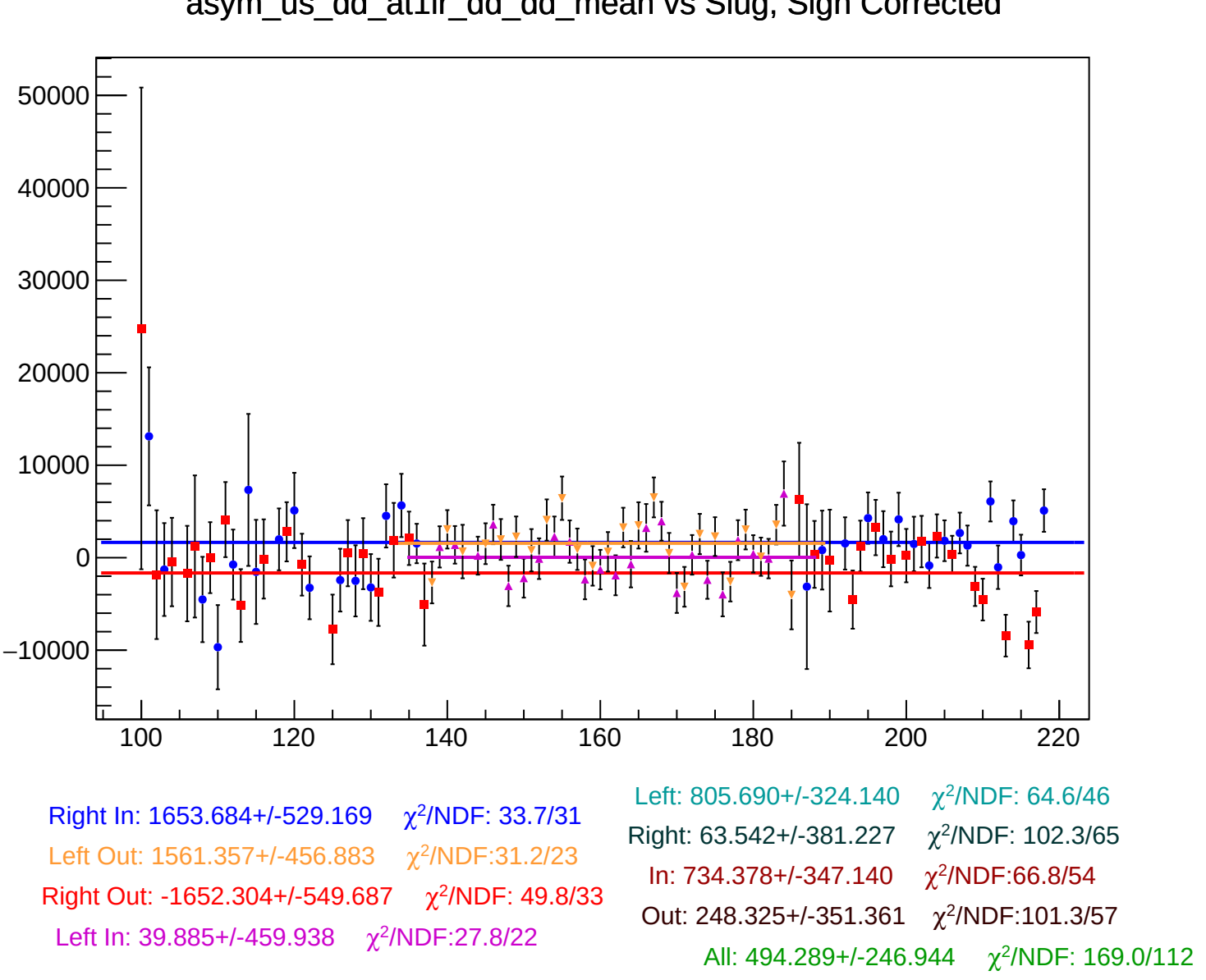
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1368.251+/-0.161 χ^2/NDF: 8089506.0/65

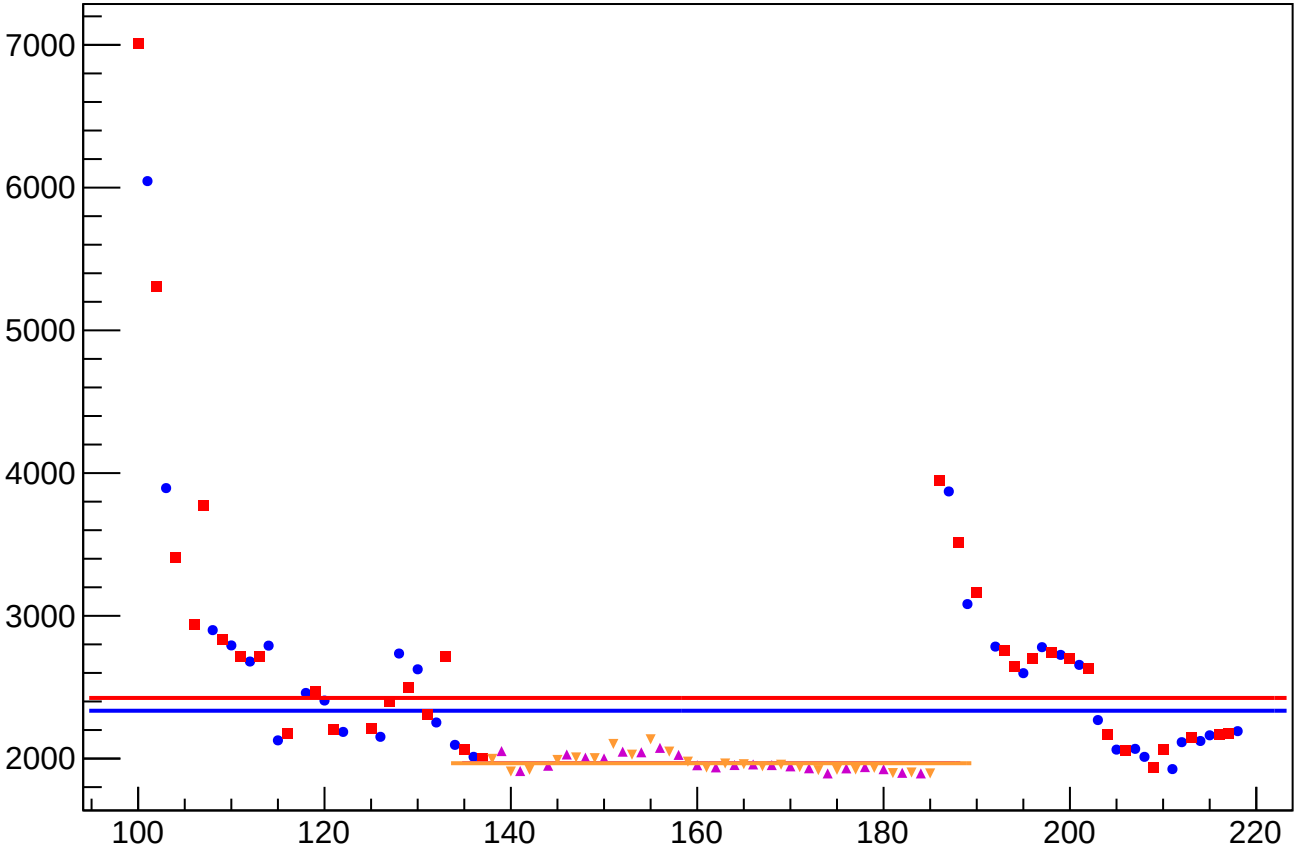
In: 1050.075+/-0.125 χ^2/NDF:6331575.3/54

Out: 1060.501+/-0.128 χ^2/NDF:8109601.4/57

All: 1055.192+/-0.089 χ^2/NDF: 14444575.8/1


asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
220
Right In: 1653.684+/-529.169 χ²/NDF: 33.7/31
Left Out: 1561.357+/-456.883 χ²/NDF:31.2/23
Right Out: -1652.304+/-549.687 χ²/NDF: 49.8/33
Left In: 39.885+/-459.938 χ²/NDF:27.8/22
Left: 805.690+/-324.140 χ²/NDF: 64.6/46
Right: 63.542+/-381.227 χ²/NDF: 102.3/65
In: 734.378+/-347.140 χ²/NDF:66.8/54
Out: 248.325+/-351.361 χ²/NDF:101.3/57
All: 494.289+/-246.944 χ²/NDF: 169.0/112

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



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: 2424.773+/-0.389 χ^2/NDF: 1462785.4/33

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

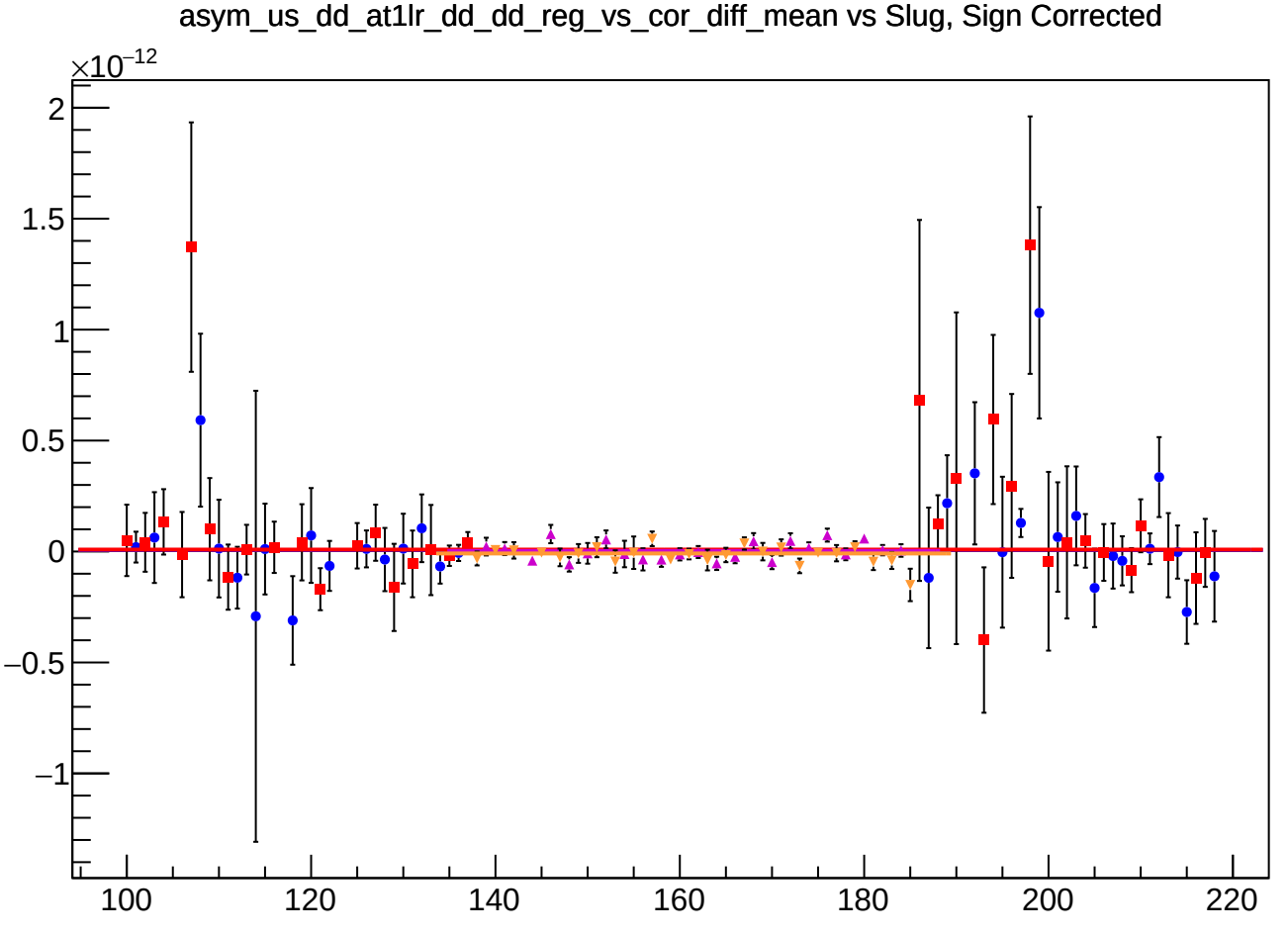
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2378.244+/-0.270 χ^2/NDF: 2882225.4/65

In: 2126.573+/-0.245 χ^2/NDF:1963674.6/54

Out: 2154.282+/-0.248 χ^2/NDF:2315859.6/57

All: 2140.260+/-0.175 χ^2/NDF: 4285828.8/11



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: 27.2/33

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

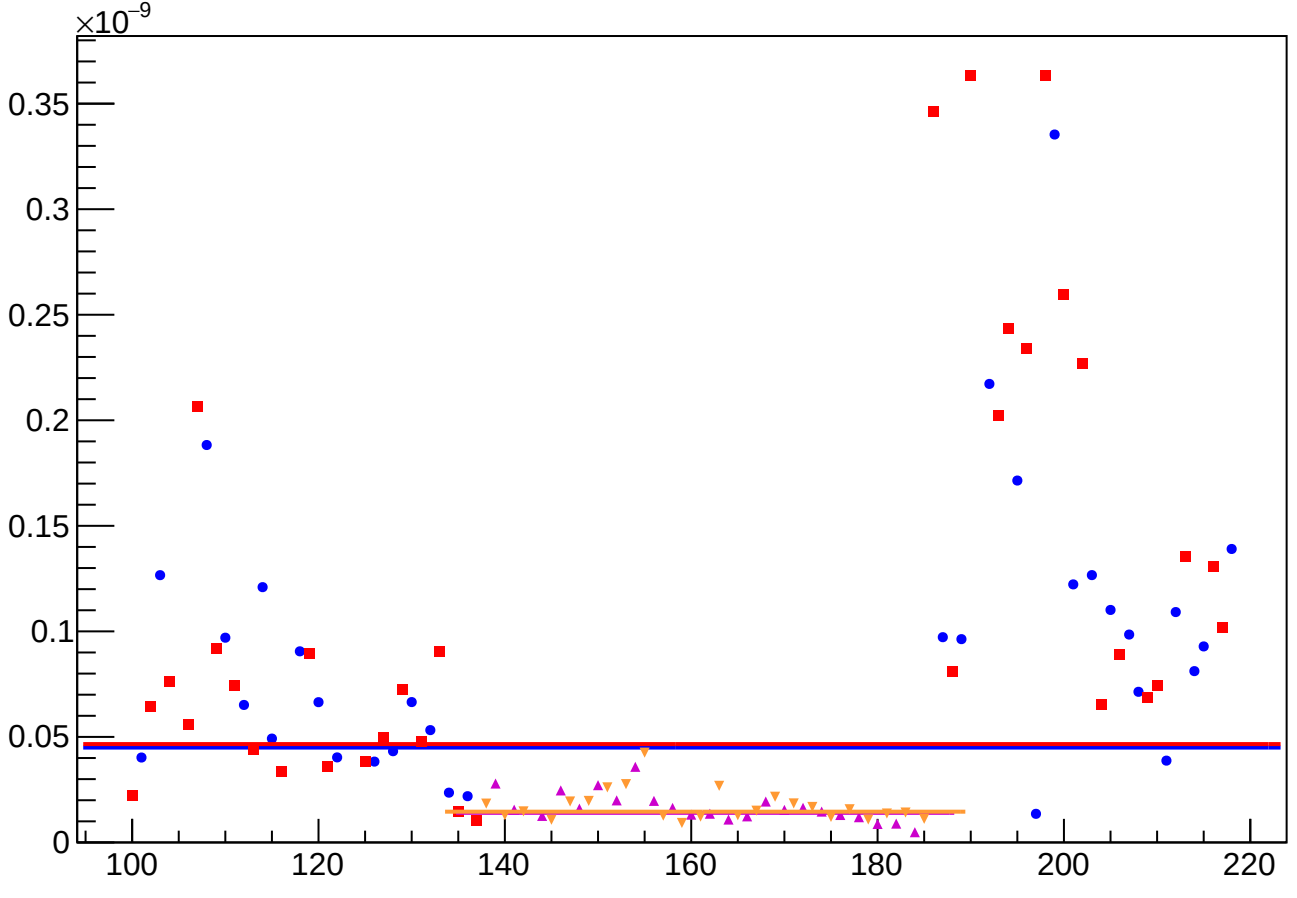
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 55.2/65

In: 0.000+/-0.000 χ^2/NDF:67.0/54

Out: -0.000+/-0.000 χ^2/NDF:48.5/57

All: -0.000+/-0.000 χ^2/NDF: 116.9/112



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: 8229267.1/33

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

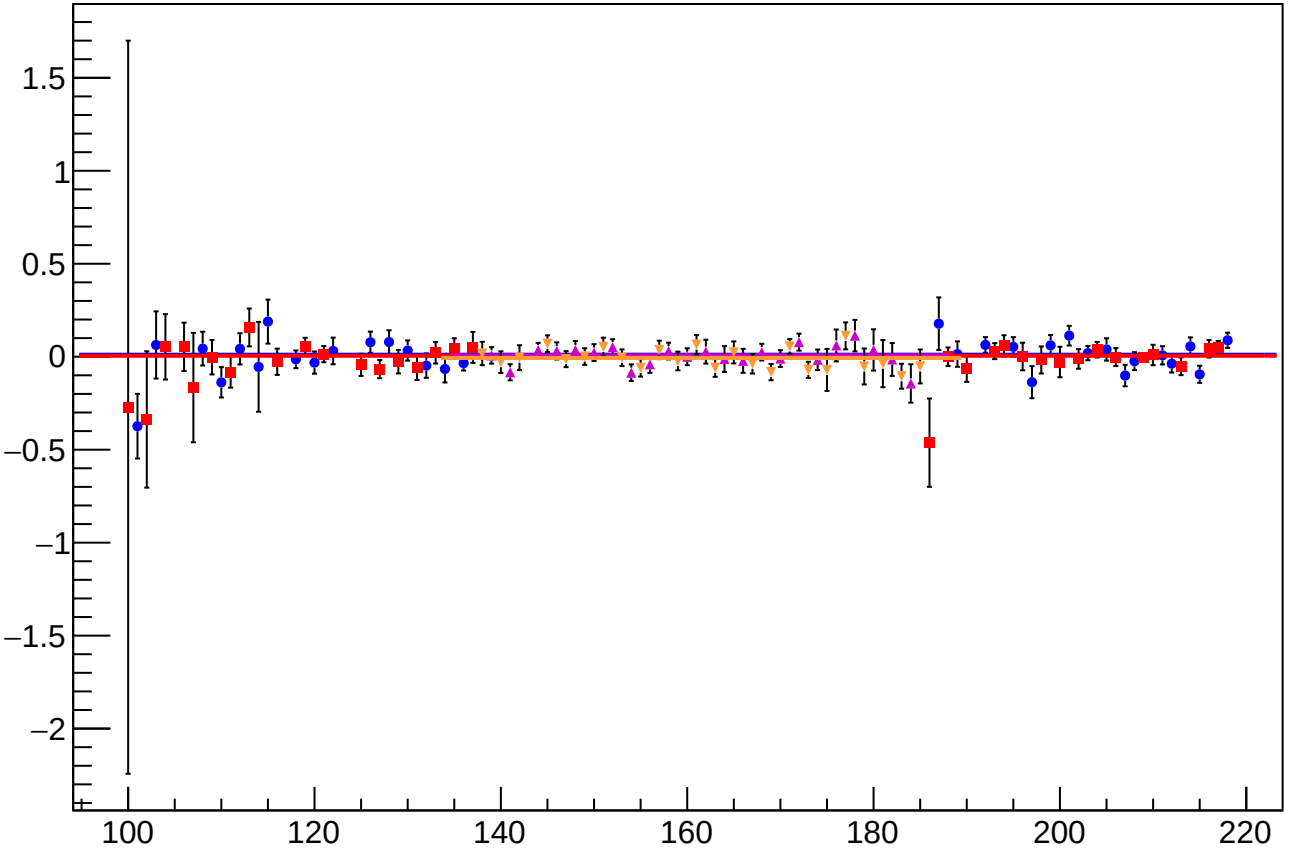
Right: 0.000+/-0.000 χ^2/NDF: 14615469.4/65

In: 0.000+/-0.000 χ^2/NDF:12227280.3/54

Out: 0.000+/-0.000 χ^2/NDF:13509634.3/57

All: 0.000+/-0.000 χ^2/NDF: 25740713.9/112

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: 0.005+/-0.010 χ^2/NDF: 21.3/33

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

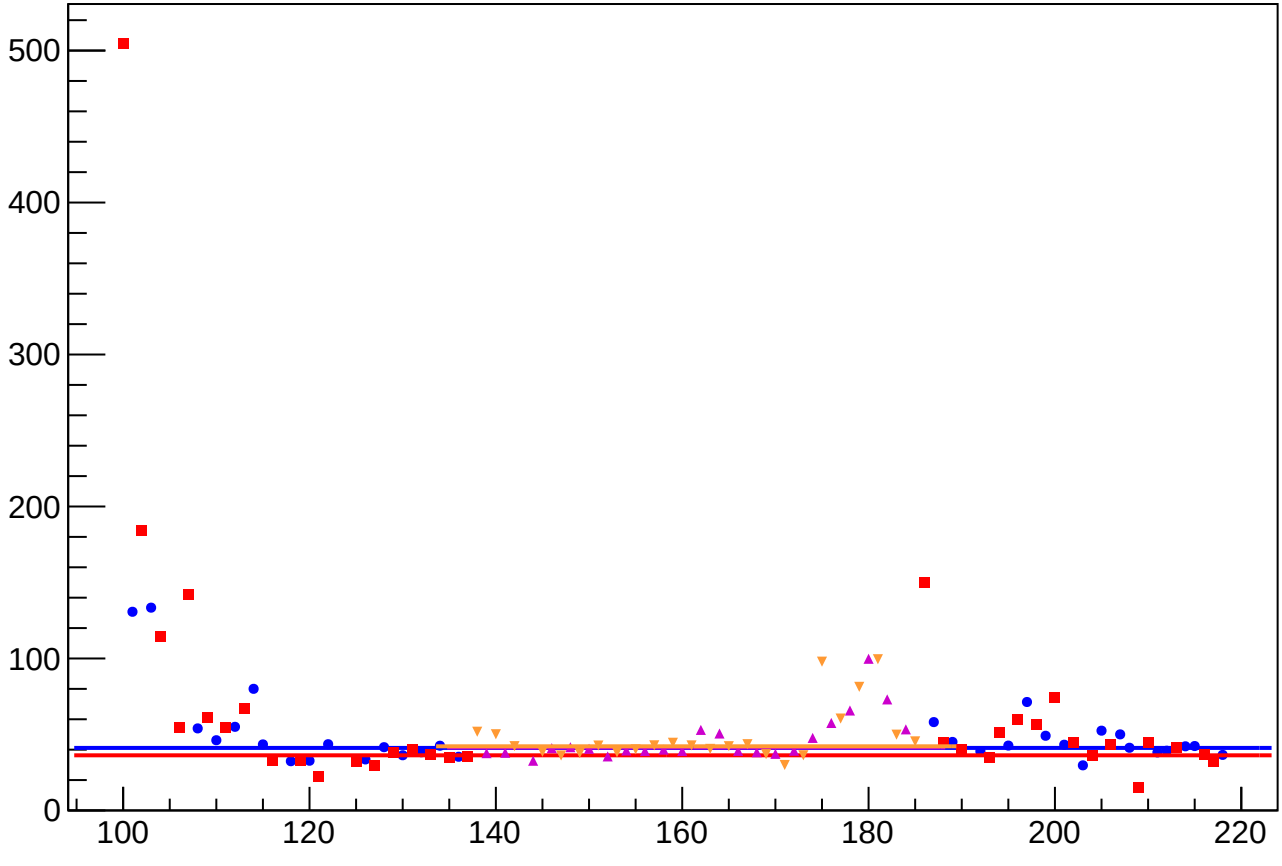
Right: 0.008+/-0.007 χ^2/NDF: 65.5/65

In: 0.009+/-0.007 χ^2/NDF:64.2/54

Out: -0.000+/-0.007 χ^2/NDF:45.9/57

All: 0.004+/-0.005 χ^2/NDF: 110.8/112

asym_us_dd_at1lr_dd_dd_dit_vs_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: 36.282+/-0.007 χ^2/NDF: 4923434.1/33

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

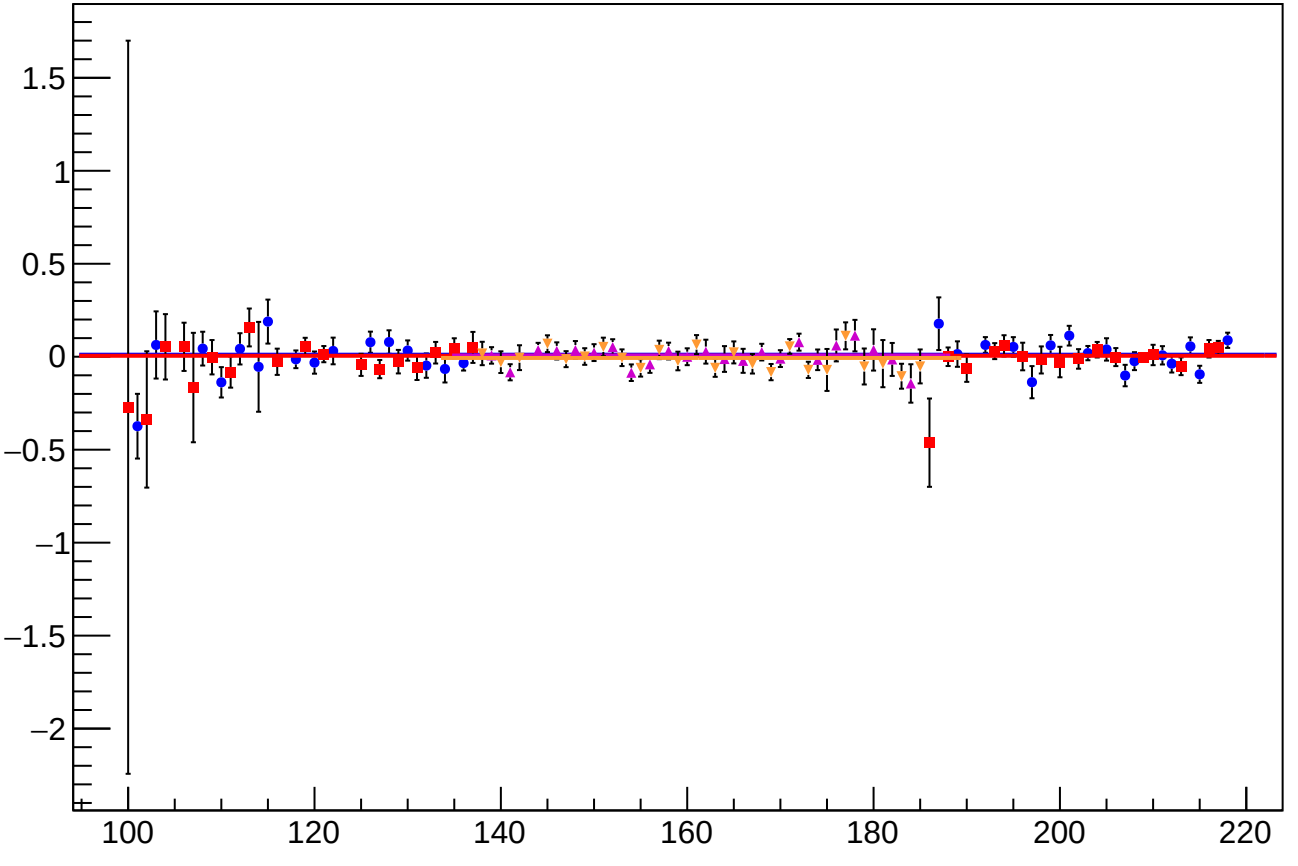
Right: 38.594+/-0.005 χ^2/NDF: 7239018.0/65

In: 41.280+/-0.005 χ^2/NDF:3492878.3/54

Out: 38.918+/-0.005 χ^2/NDF:7069768.1/57

All: 40.076+/-0.004 χ^2/NDF: 10665731.3/112

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: 0.005+/-0.010 χ^2/NDF: 21.3/33

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

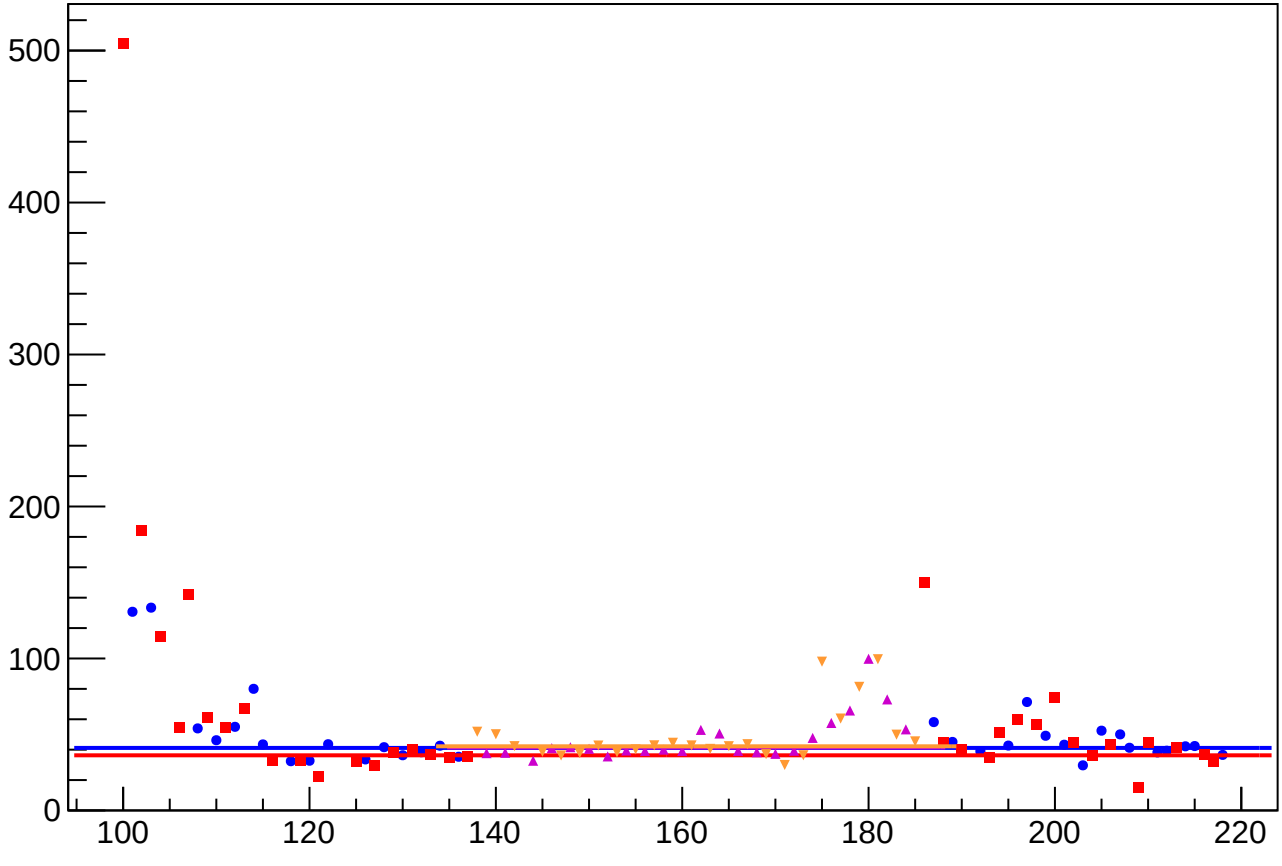
Right: 0.008+/-0.007 χ^2/NDF: 65.5/65

In: 0.009+/-0.007 χ^2/NDF:64.2/54

Out: -0.000+/-0.007 χ^2/NDF:45.9/57

All: 0.004+/-0.005 χ^2/NDF: 110.8/112

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: 36.282+/-0.007 χ^2/NDF: 4923434.1/33

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

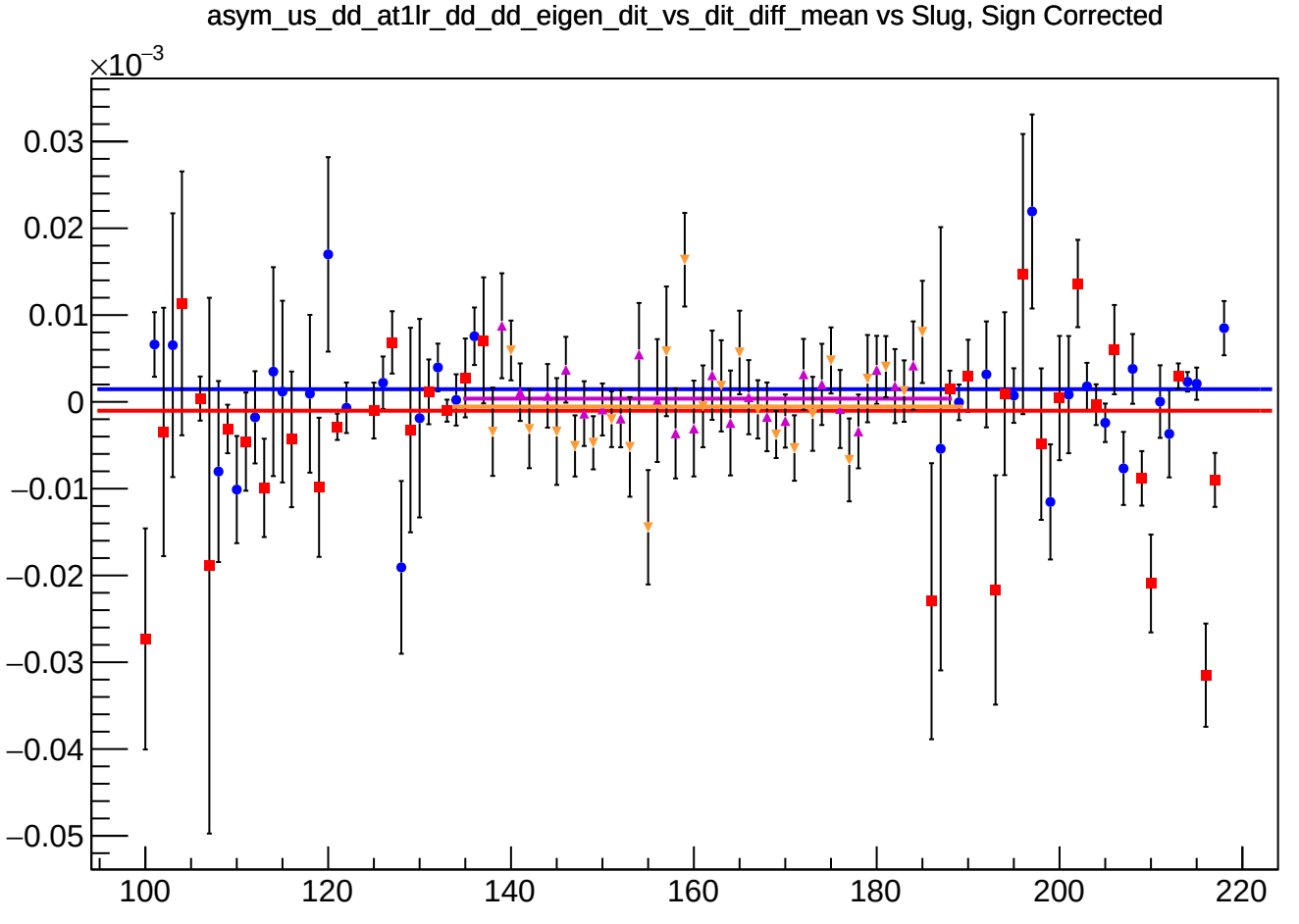
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 38.594+/-0.005 χ^2/NDF: 7239018.0/65

In: 41.280+/-0.005 χ^2/NDF:3492878.3/54

Out: 38.918+/-0.005 χ^2/NDF:7069768.1/57

All: 40.076+/-0.004 χ^2/NDF: 10665731.3/112



Right In: 0.000+/-0.000 χ^2/NDF: 41.0/31

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 96.7/33

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

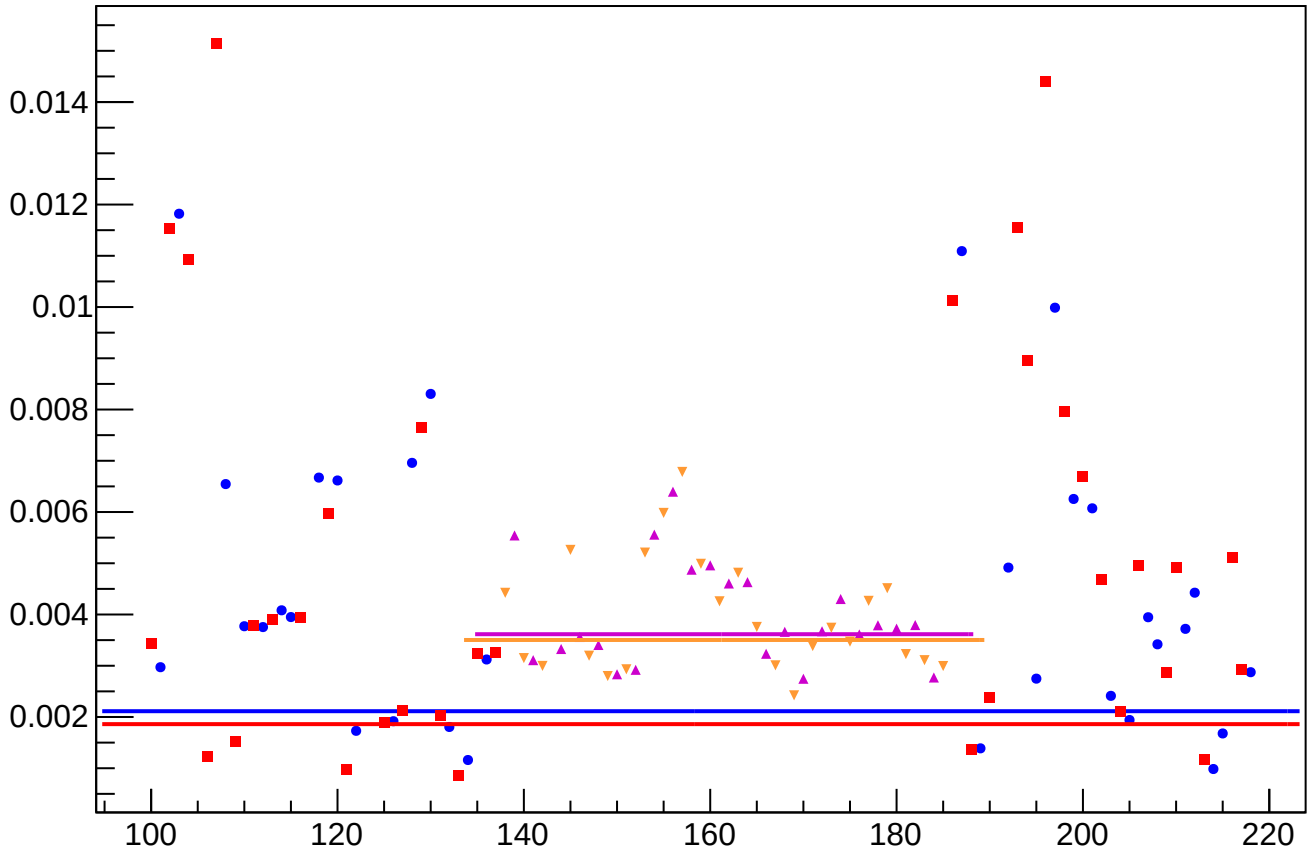
Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

Right: 0.000+/-0.000 χ^2/NDF: 146.9/65

In: 0.000+/-0.000 χ^2/NDF:51.8/54

Out: -0.000+/-0.000 χ^2/NDF:133.7/57

All: 0.000+/-0.000 χ^2/NDF: 194.2/112



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: 15510899.3/33

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

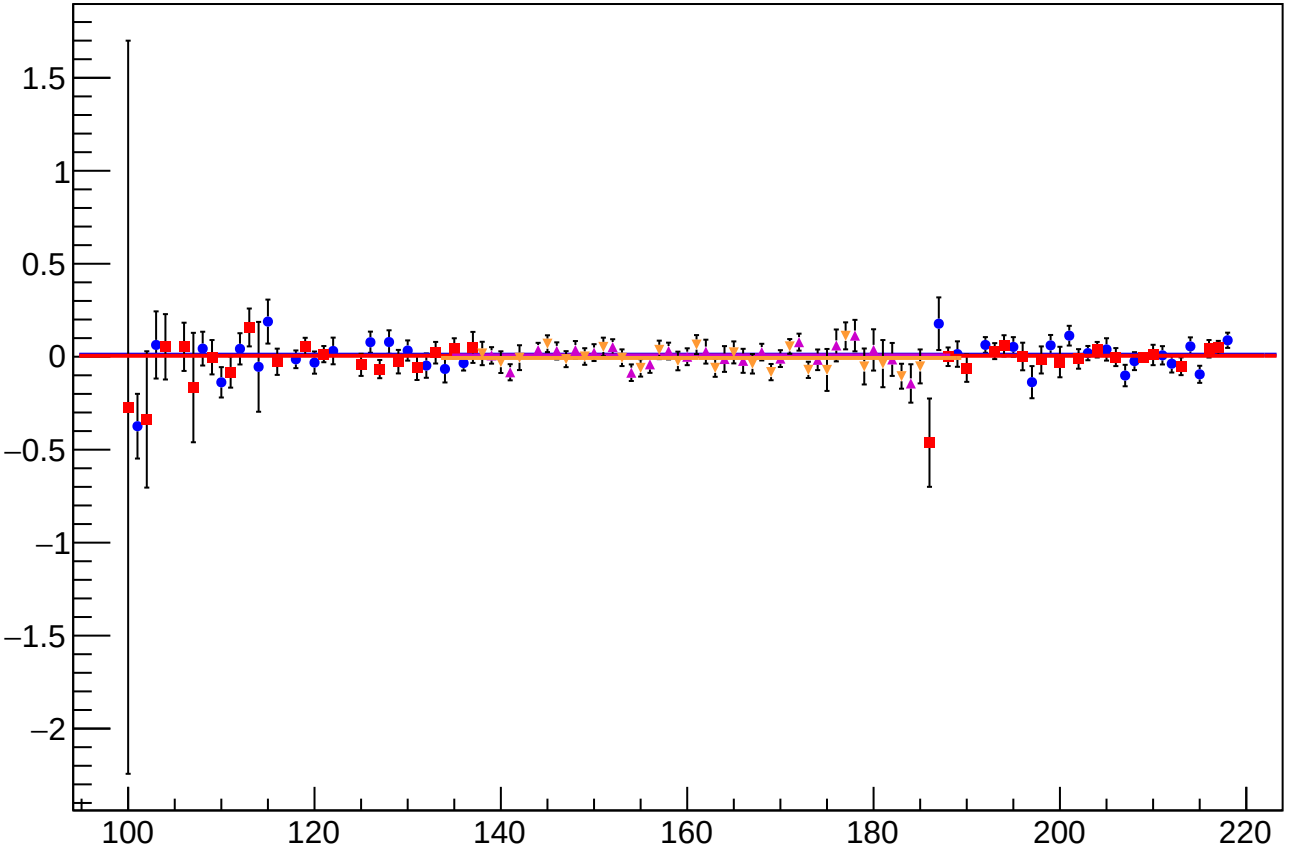
Right: 0.002+/-0.000 χ^2/NDF: 26828496.8/65

In: 0.003+/-0.000 χ^2/NDF:16889740.9/54

Out: 0.002+/-0.000 χ^2/NDF:22925525.3/57

All: 0.002+/-0.000 χ^2/NDF: 40006446.4/112

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: 0.005+/-0.010 χ^2/NDF: 21.3/33

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

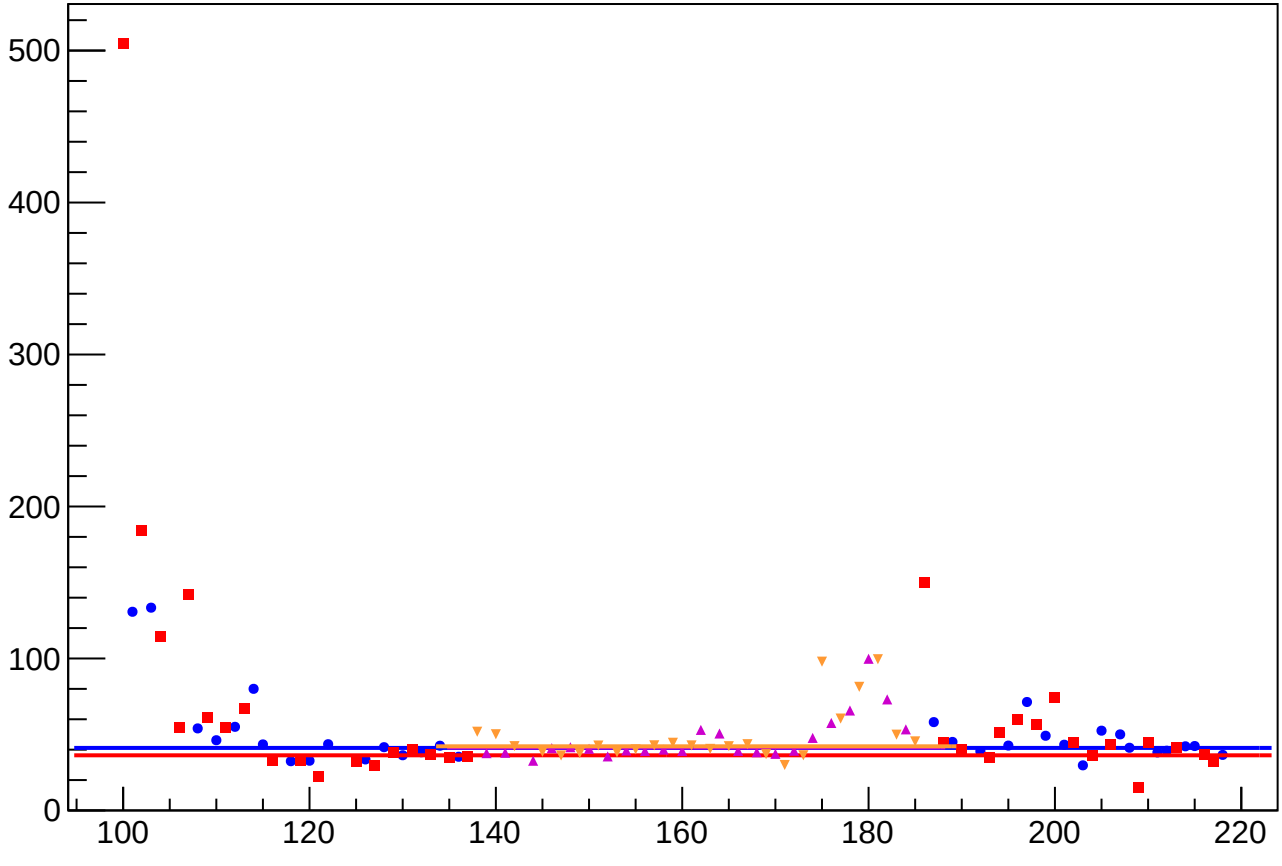
Right: 0.008+/-0.007 χ^2/NDF: 65.5/65

In: 0.009+/-0.007 χ^2/NDF:64.2/54

Out: -0.000+/-0.007 χ^2/NDF:45.9/57

All: 0.004+/-0.005 χ^2/NDF: 110.8/112

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: 36.286+/-0.007 χ^2/NDF: 4920955.8/33

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

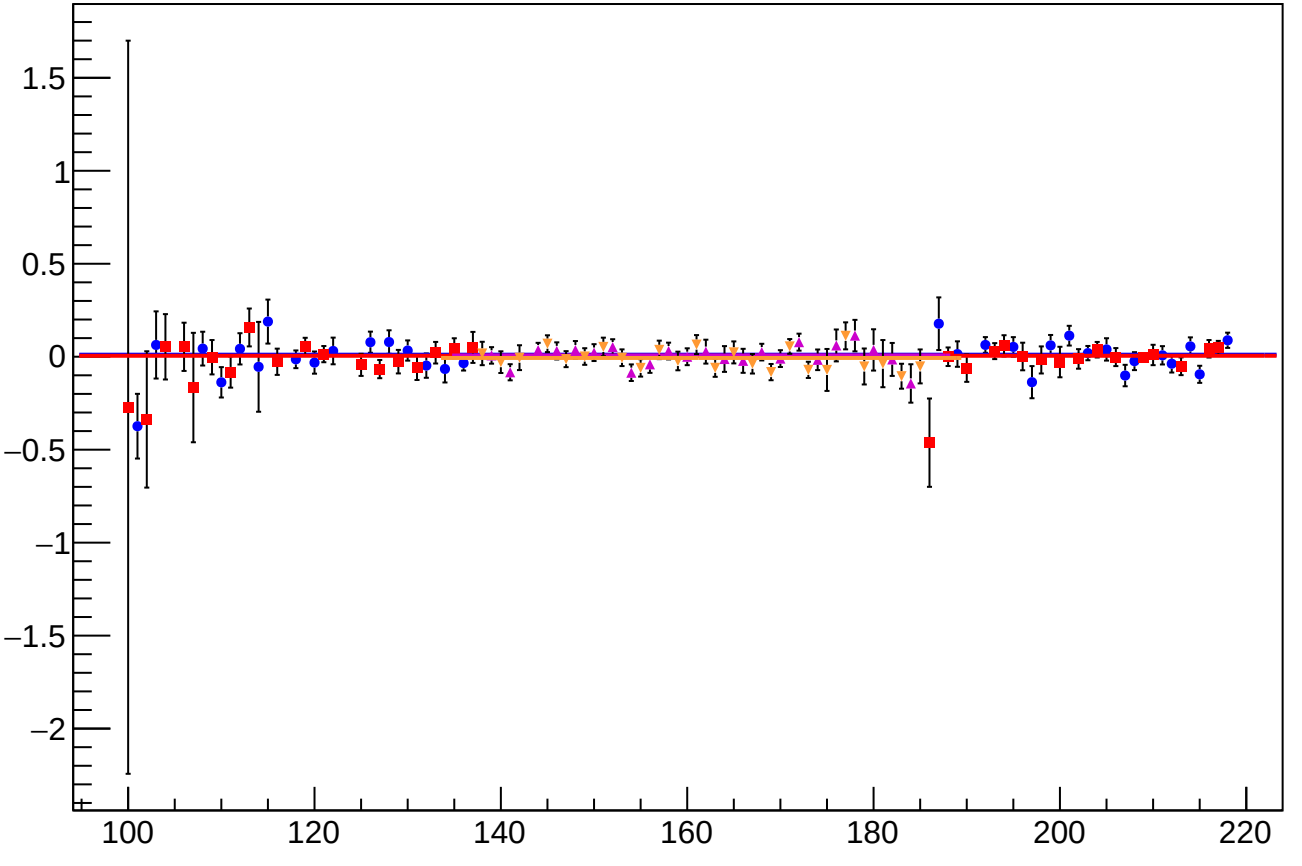
Right: 38.596+/-0.005 χ^2/NDF: 7236119.0/65

In: 41.280+/-0.005 χ^2/NDF:3492722.4/54

Out: 38.920+/-0.005 χ^2/NDF:7066860.1/57

All: 40.077+/-0.004 χ^2/NDF: 10662496.5/112

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: 0.005+/-0.010 χ^2/NDF: 21.3/33

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

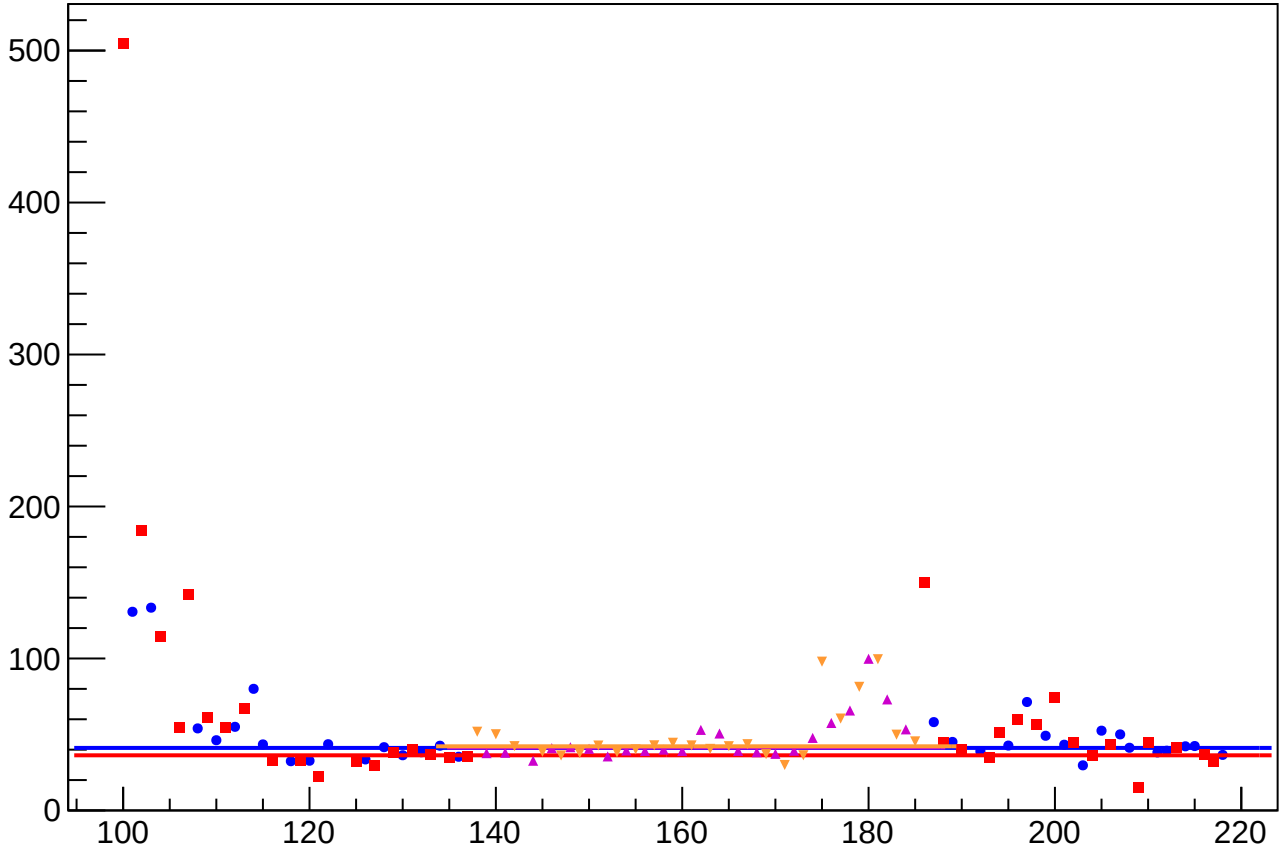
Right: 0.008+/-0.007 χ^2/NDF: 65.5/65

In: 0.009+/-0.007 χ^2/NDF:64.2/54

Out: -0.000+/-0.007 χ^2/NDF:45.9/57

All: 0.004+/-0.005 χ^2/NDF: 110.8/112

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: 36.286+/-0.007 χ^2/NDF: 4920955.8/33

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

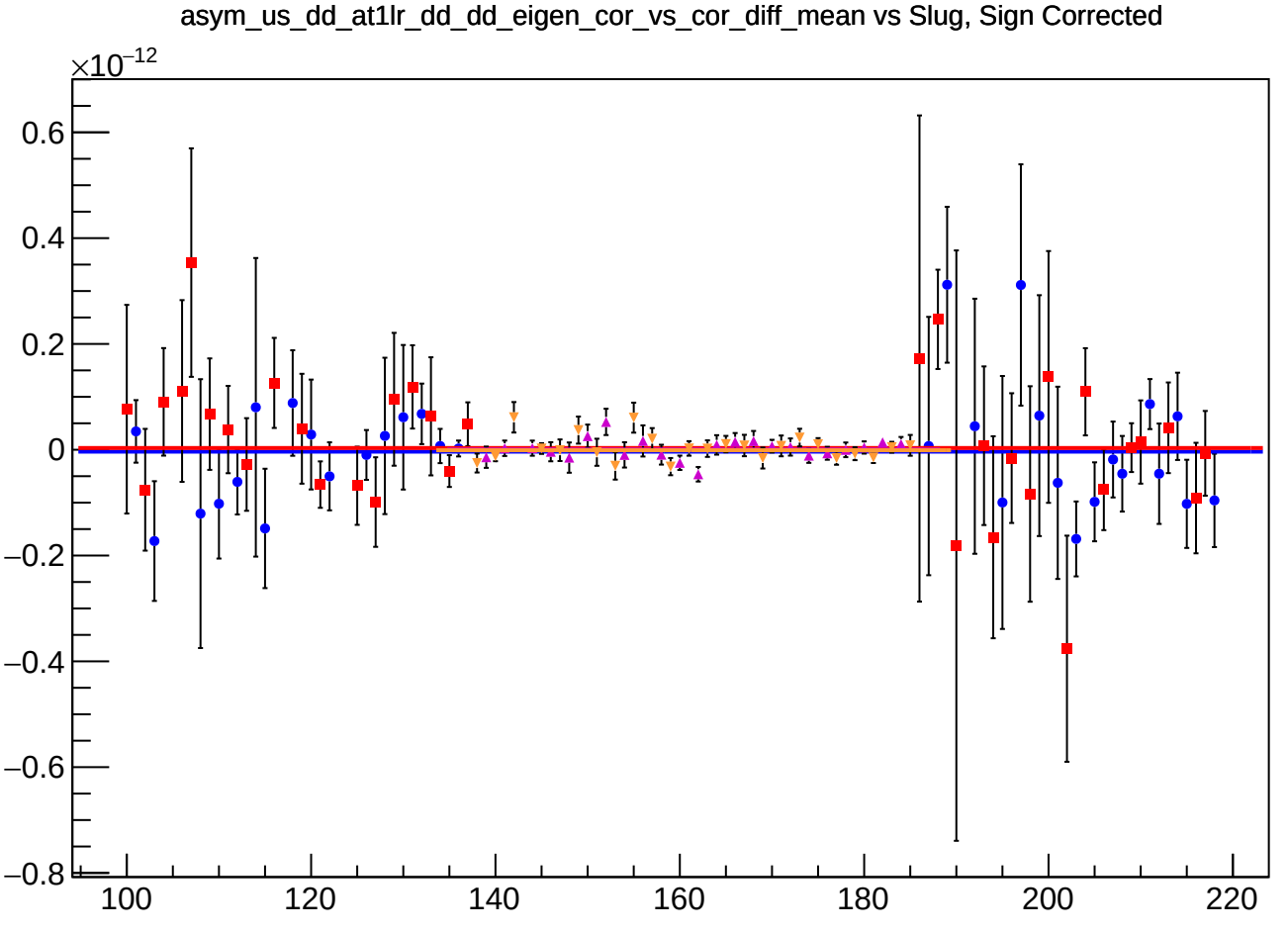
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

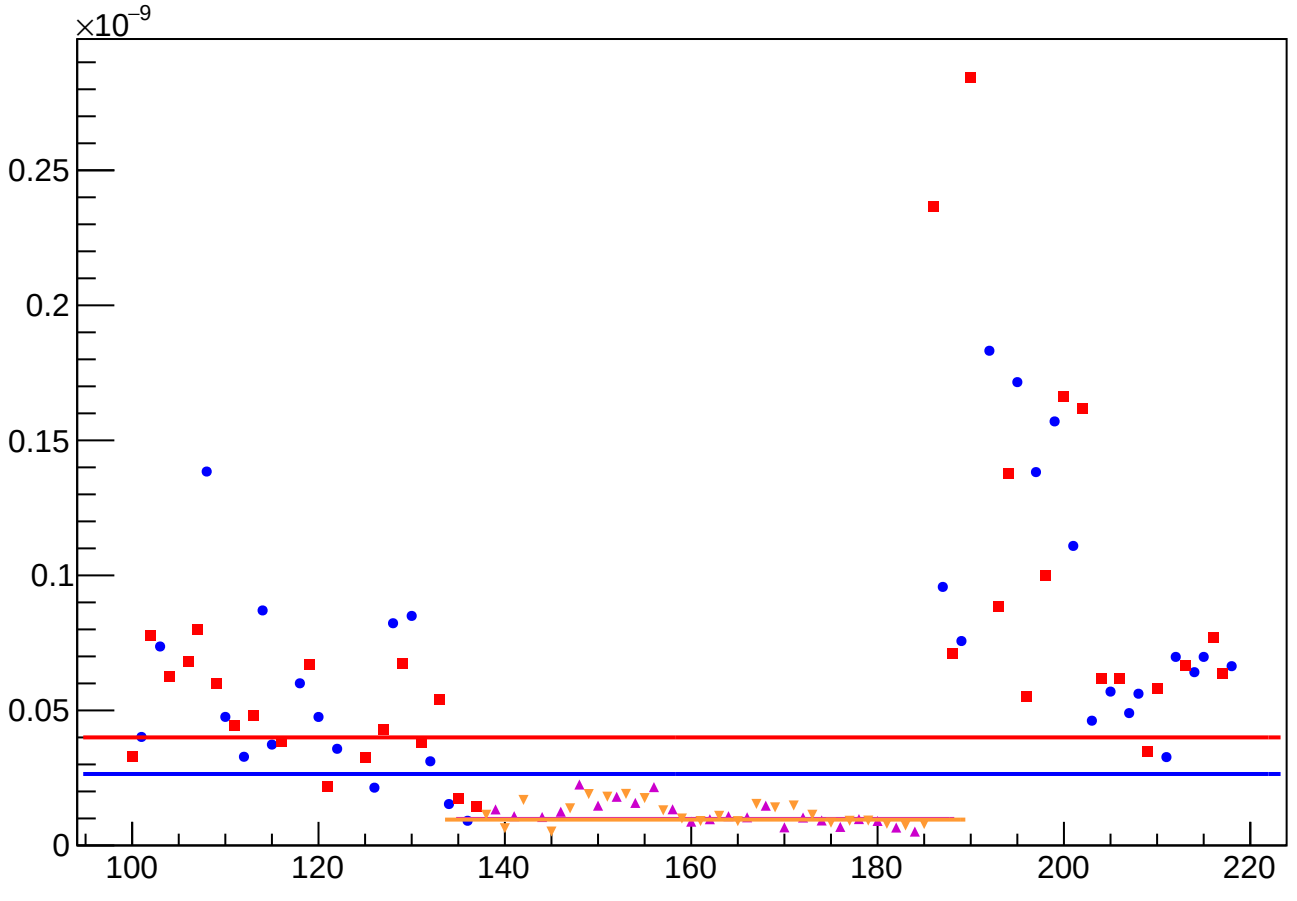
Right: 38.596+/-0.005 χ^2/NDF: 7236119.0/65

In: 41.280+/-0.005 χ^2/NDF:3492722.4/54

Out: 38.920+/-0.005 χ^2/NDF:7066860.1/57

All: 40.077+/-0.004 χ^2/NDF: 10662496.5/112


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 31.2/31
Left Out: -0.000+/-0.000 χ²/NDF:29.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 33.6/33
Left In: 0.000+/-0.000 χ²/NDF:28.3/22
Left: -0.000+/-0.000 χ²/NDF: 57.9/46
Right: -0.000+/-0.000 χ²/NDF: 65.0/65
In: 0.000+/-0.000 χ²/NDF:59.7/54
Out: -0.000+/-0.000 χ²/NDF:63.2/57
All: -0.000+/-0.000 χ²/NDF: 122.9/112



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: 7243330.8/33

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

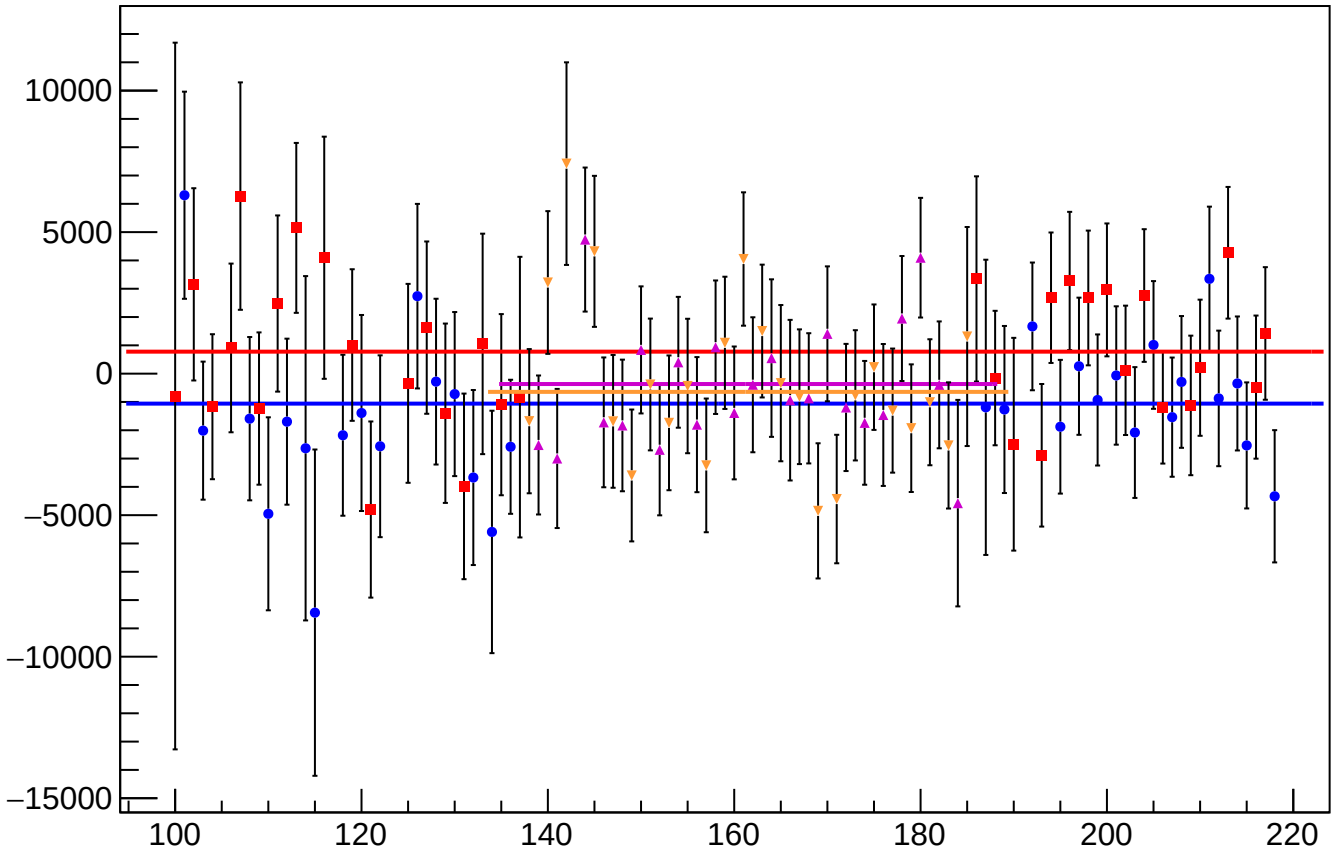
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 19870935.2/65

In: 0.000+/-0.000 χ^2/NDF:18380732.1/54

Out: 0.000+/-0.000 χ^2/NDF:19120803.7/57

All: 0.000+/-0.000 χ^2/NDF: 37507238.4/112



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: 777.117+/-479.889 χ^2/NDF: 24.8/33

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

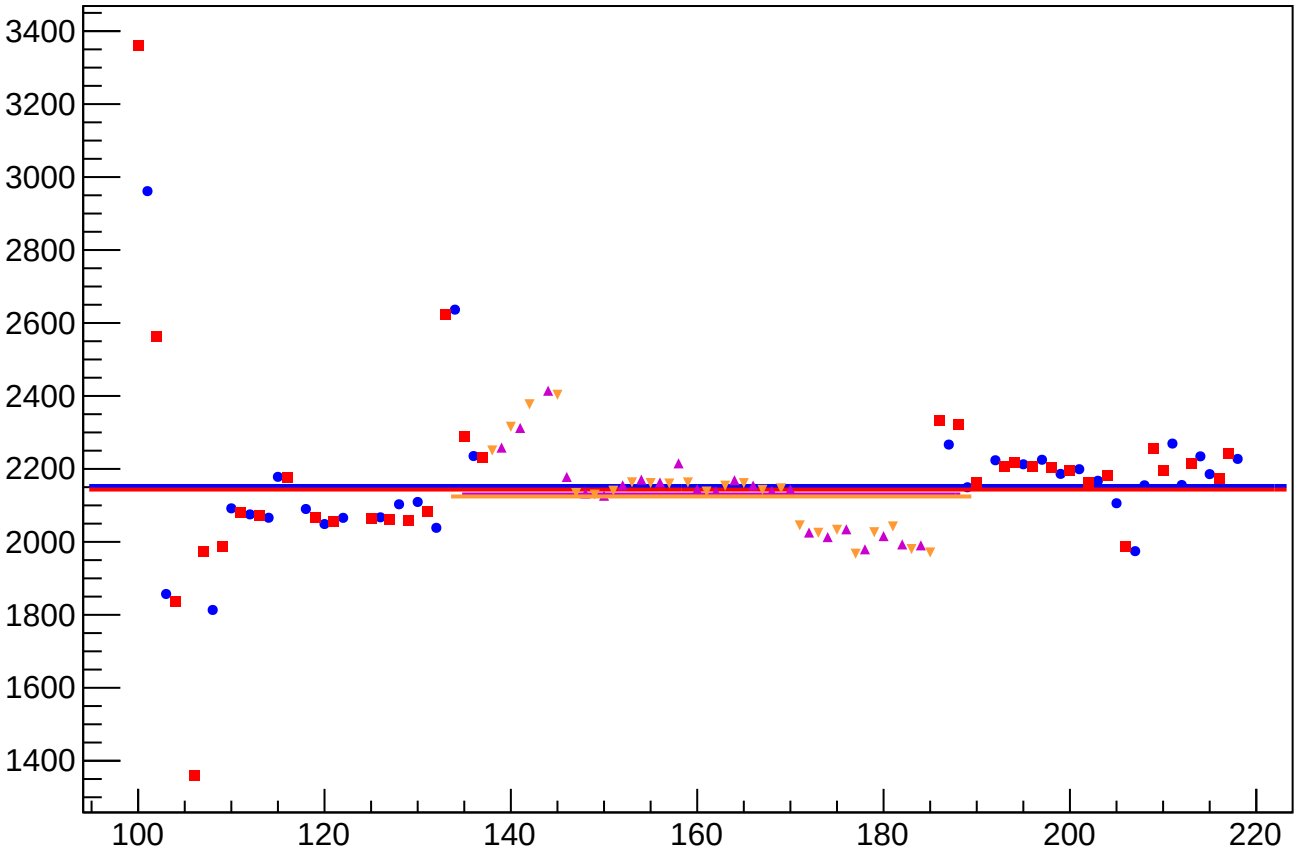
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -139.634+/-339.571 χ^2/NDF: 52.2/65

In: -725.117+/-345.774 χ^2/NDF:38.4/54

Out: 86.778+/-344.106 χ^2/NDF:56.1/57

All: -317.205+/-243.907 χ^2/NDF: 97.3/112



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: 2143.447+/-0.339 χ^2/NDF: 319337.8/33

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

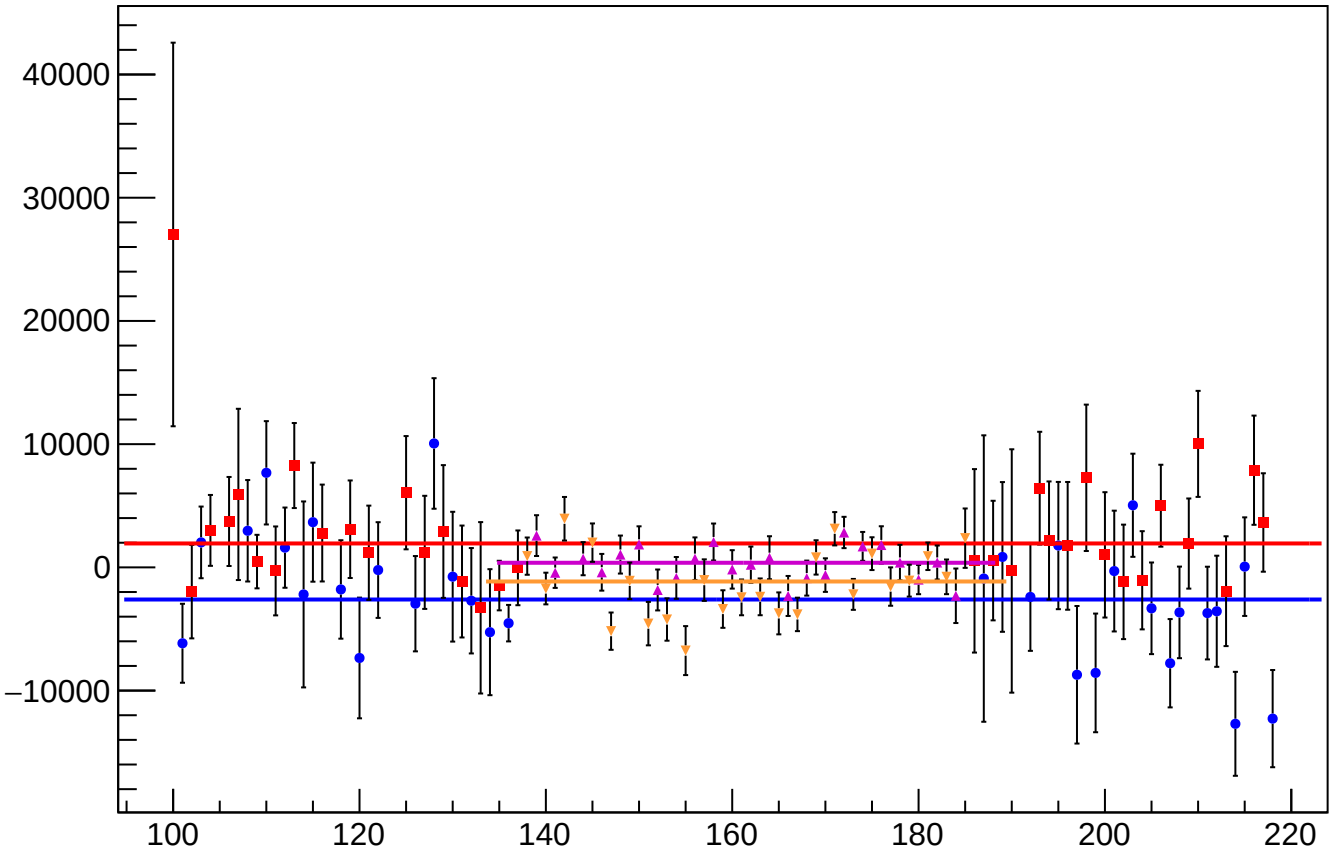
Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

Right: 2148.272+/-0.240 χ^2/NDF: 545733.8/65

In: 2141.915+/-0.244 χ^2/NDF:313596.3/54

Out: 2134.211+/-0.243 χ^2/NDF:410046.6/57

All: 2138.044+/-0.172 χ^2/NDF: 724141.7/112



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: 1940.867+/-678.139 χ^2/NDF: 24.0/33

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

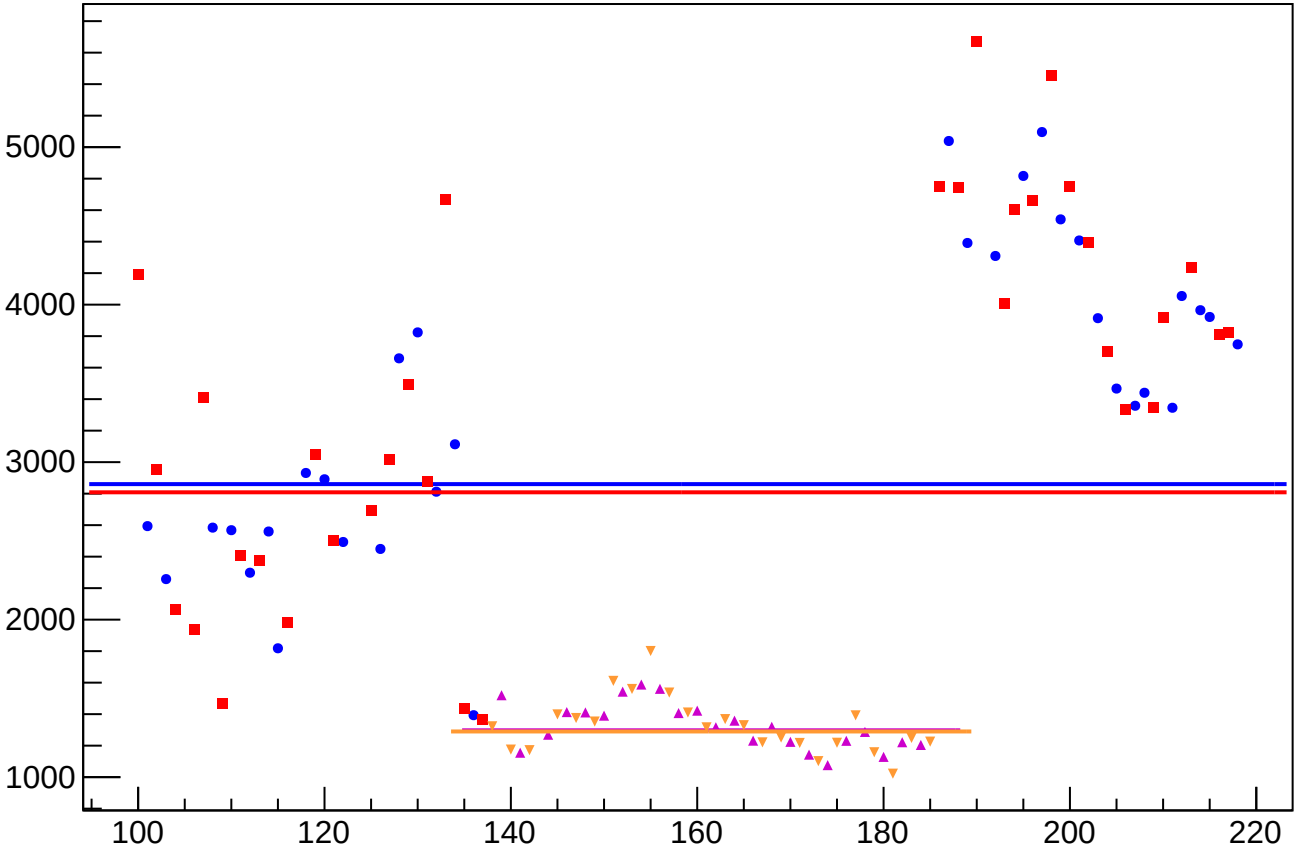
Right: -330.343+/-479.878 χ^2/NDF: 92.5/65

In: -128.146+/-278.518 χ^2/NDF:82.3/54

Out: -632.754+/-276.252 χ^2/NDF:108.8/57

All: -382.512+/-196.136 χ^2/NDF: 192.8/112

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



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: 2808.493+/-0.480 χ^2/NDF: 5750026.5/33

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

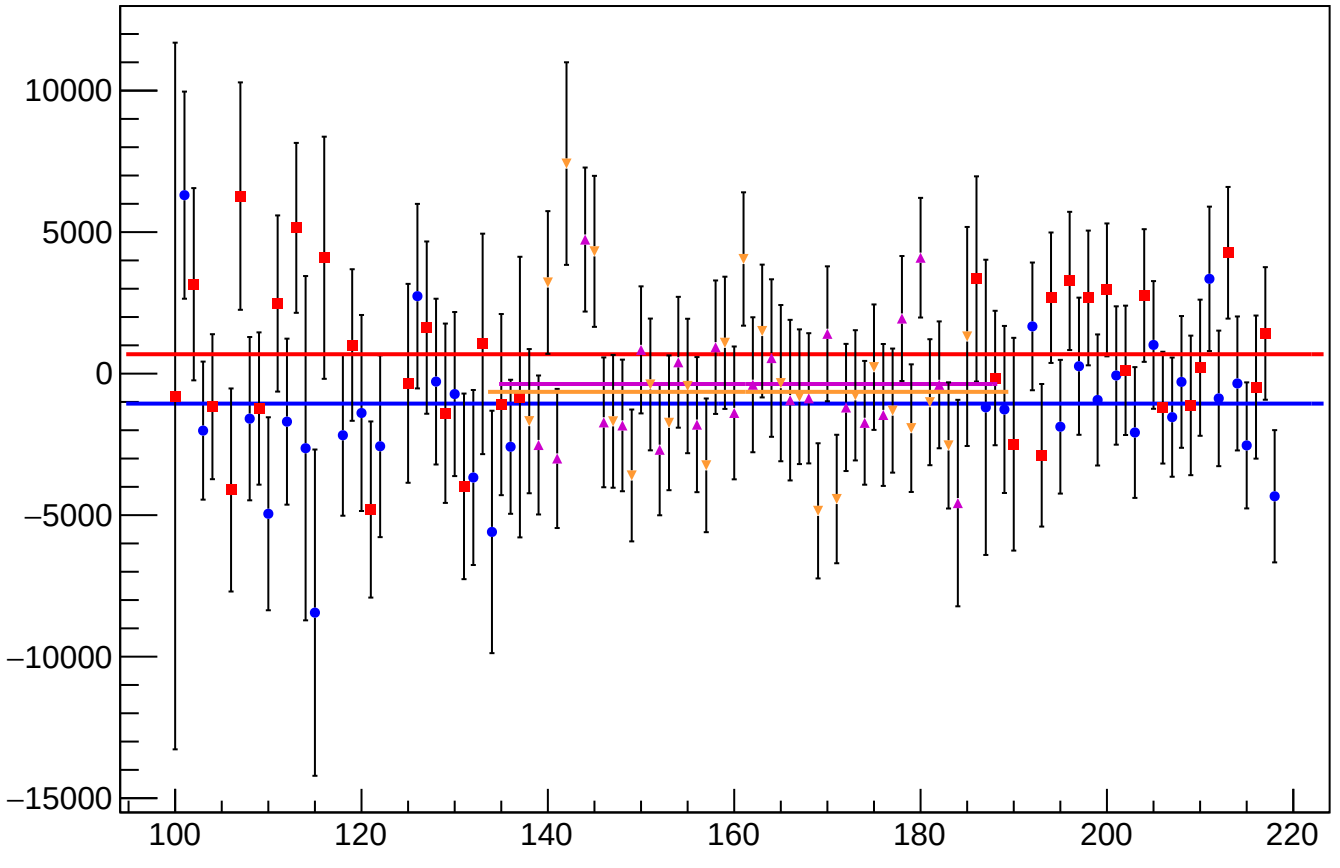
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2834.462+/-0.339 χ^2/NDF: 10439487.4/65

In: 1560.320+/-0.197 χ^2/NDF:13929351.9/54

Out: 1542.015+/-0.195 χ^2/NDF:14681597.0/57

All: 1551.093+/-0.139 χ^2/NDF: 28615303.5/1



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: 685.594+/-481.830 χ^2/NDF: 26.6/33

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

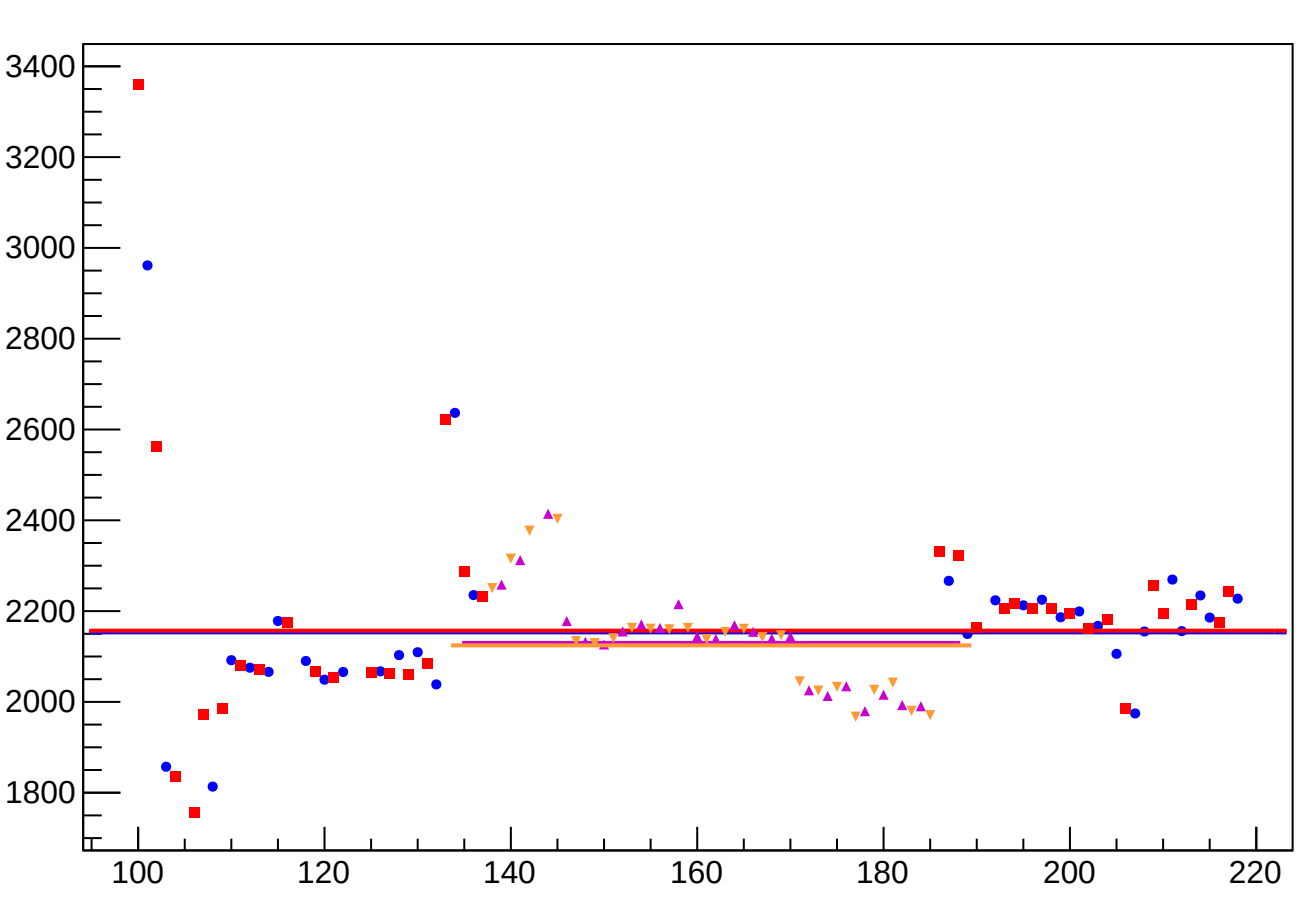
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -189.001+/-340.256 χ^2/NDF: 53.3/65

In: -725.086+/-345.774 χ^2/NDF:38.4/54

Out: 37.107+/-344.819 χ^2/NDF:57.4/57

All: -342.935+/-244.161 χ^2/NDF: 98.3/112



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: 2156.918+/-0.341 χ^2/NDF: 203165.7/33

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

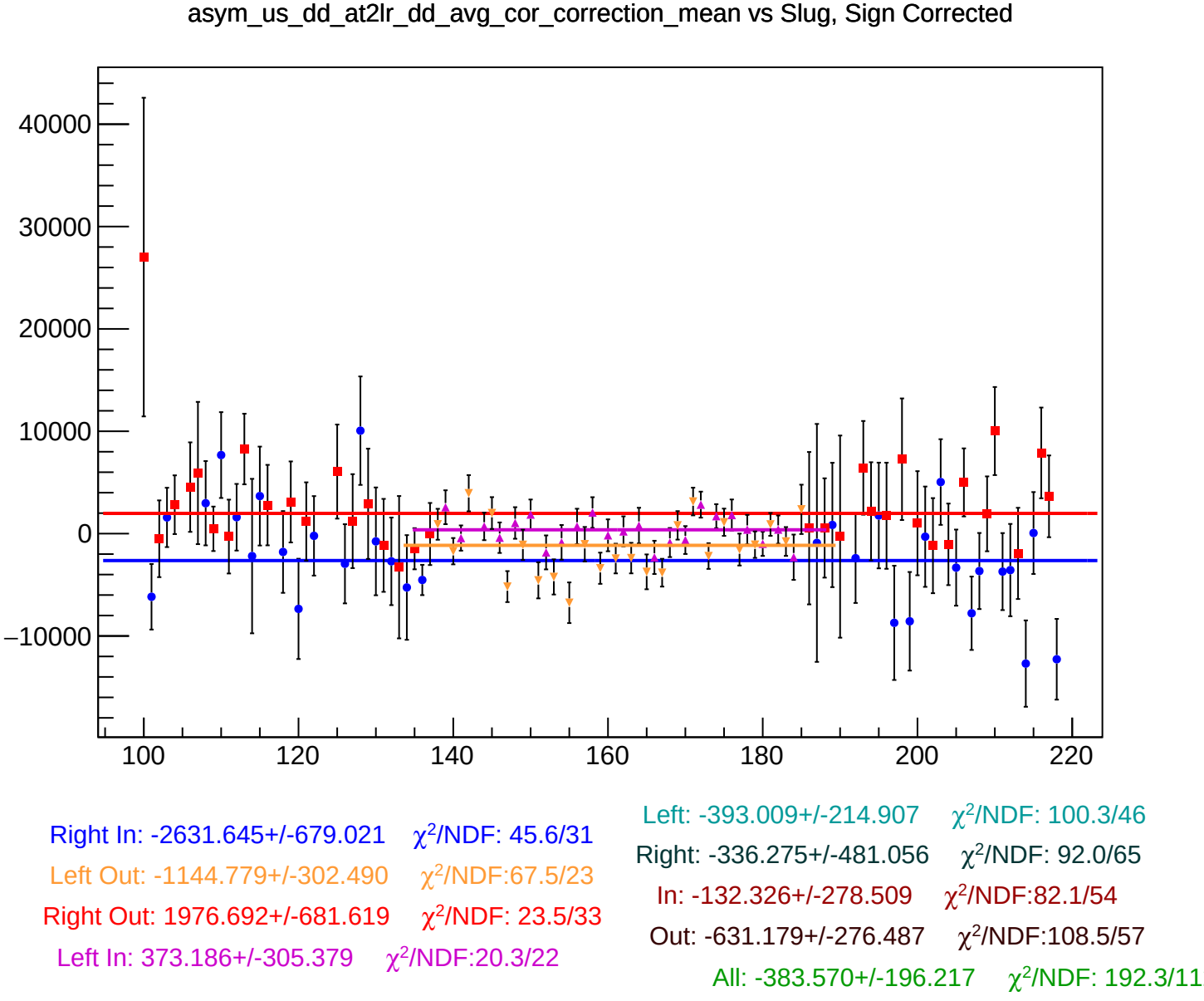
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

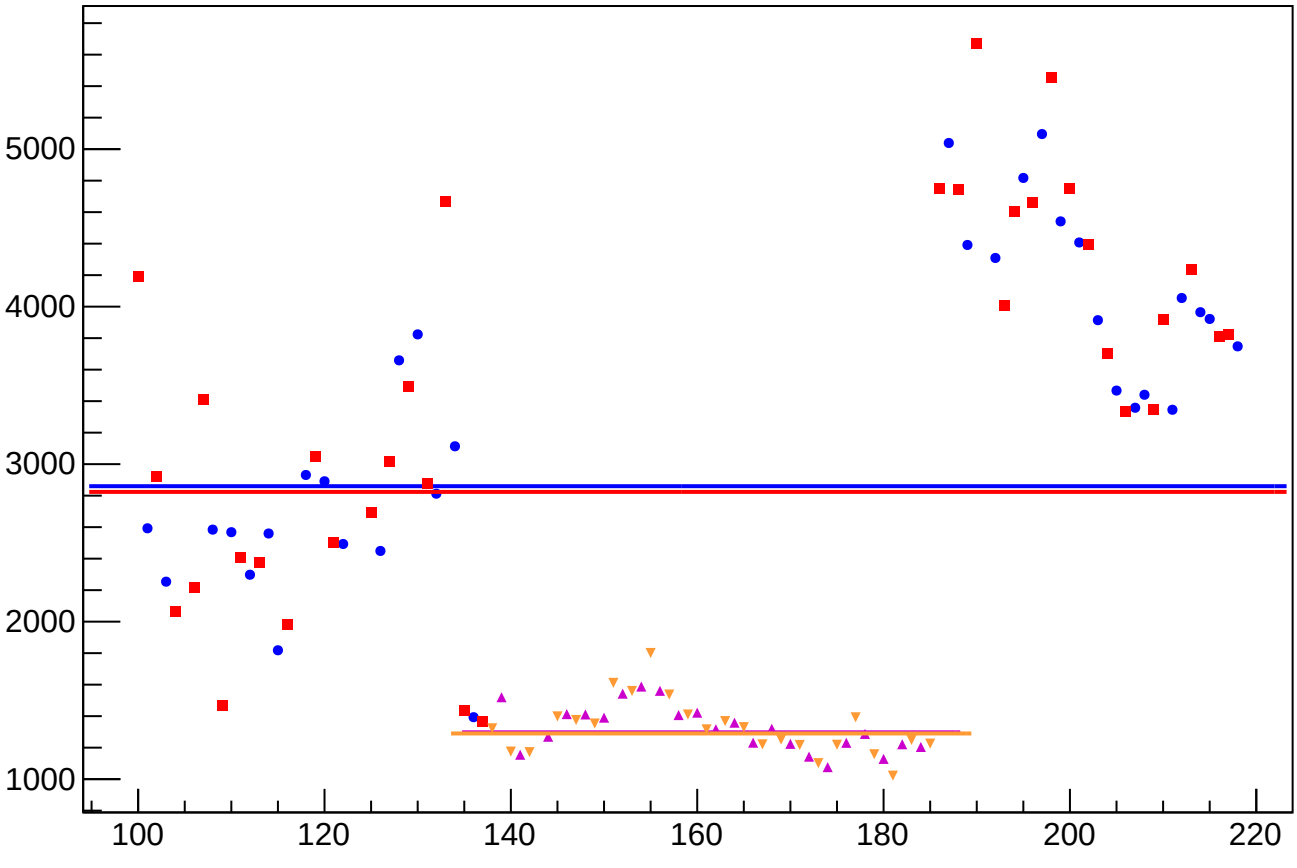
Right: 2155.010+/-0.241 χ^2/NDF: 429219.7/65

In: 2141.915+/-0.244 χ^2/NDF:313596.6/54

Out: 2141.072+/-0.244 χ^2/NDF:296783.7/57

All: 2141.492+/-0.173 χ^2/NDF: 610386.3/112


asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
220
Right In: -2631.645+/-679.021 χ²/NDF: 45.6/31
Left Out: -1144.779+/-302.490 χ²/NDF:67.5/23
Right Out: 1976.692+/-681.619 χ²/NDF: 23.5/33
Left In: 373.186+/-305.379 χ²/NDF:20.3/22
Left: -393.009+/-214.907 χ²/NDF: 100.3/46
Right: -336.275+/-481.056 χ²/NDF: 92.0/65
In: -132.326+/-278.509 χ²/NDF:82.1/54
Out: -631.179+/-276.487 χ²/NDF:108.5/57
All: -383.570+/-196.217 χ²/NDF: 192.3/112



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: 2823.814+/-0.482 χ^2/NDF: 5670483.8/33

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

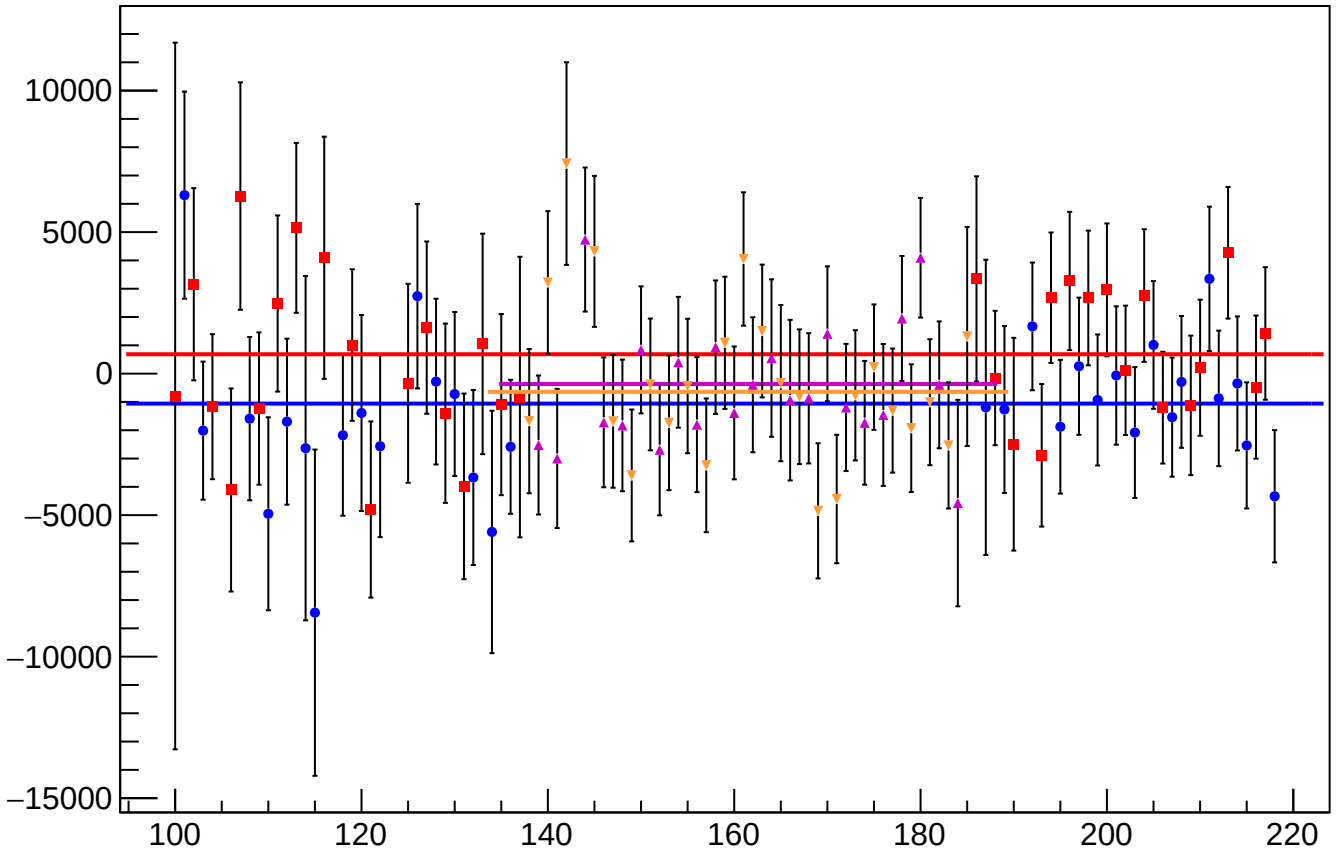
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2841.991+/-0.340 χ^2/NDF: 10358622.8/65

In: 1560.334+/-0.197 χ^2/NDF:13928677.5/54

Out: 1542.405+/-0.196 χ^2/NDF:14698865.0/57

All: 1551.304+/-0.139 χ^2/NDF: 28631717.2/



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: 685.594+/-481.830 χ^2/NDF: 26.6/33

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

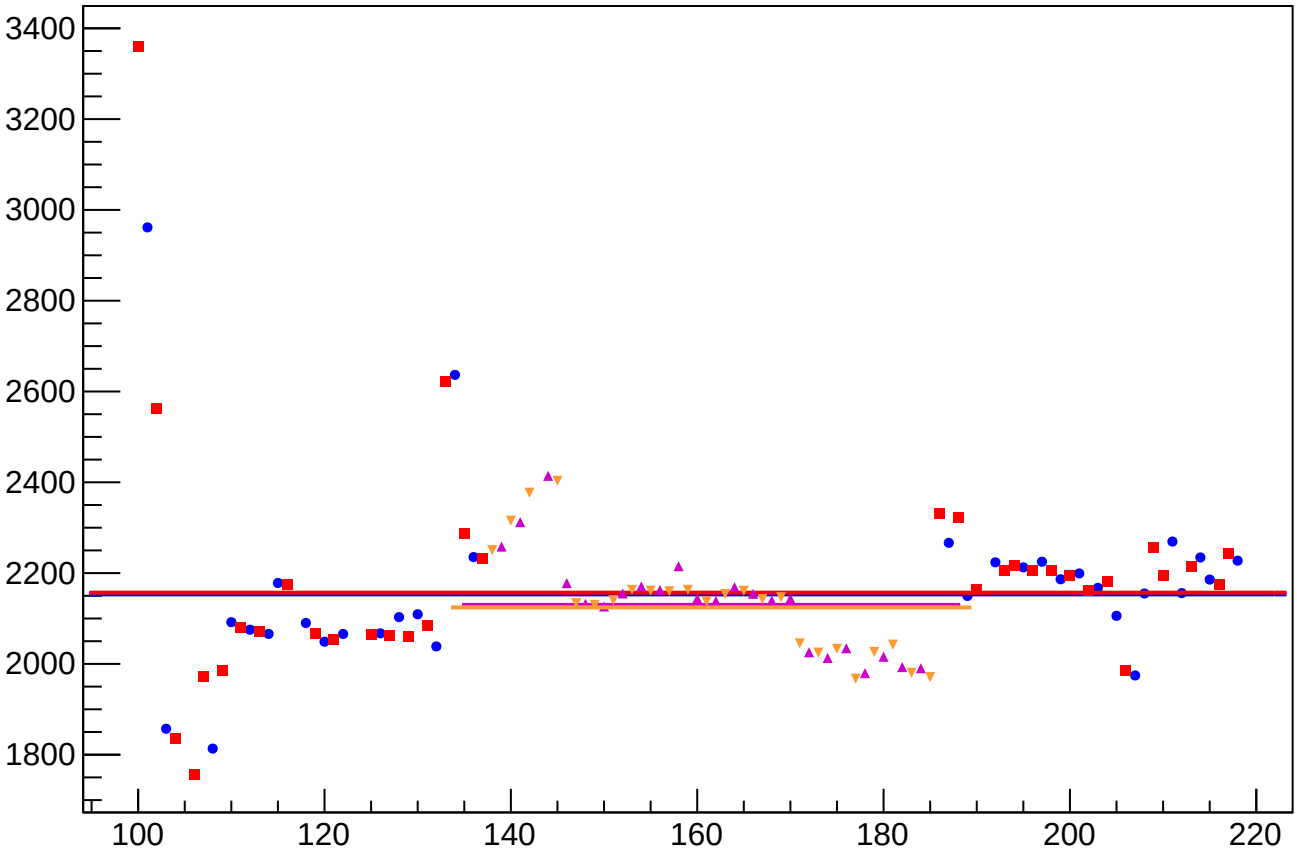
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -189.001+/-340.256 χ^2/NDF: 53.3/65

In: -725.086+/-345.774 χ^2/NDF:38.4/54

Out: 37.107+/-344.819 χ^2/NDF:57.4/57

All: -342.935+/-244.161 χ^2/NDF: 98.3/112



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: 2156.918+/-0.341 χ^2/NDF: 203165.7/33

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

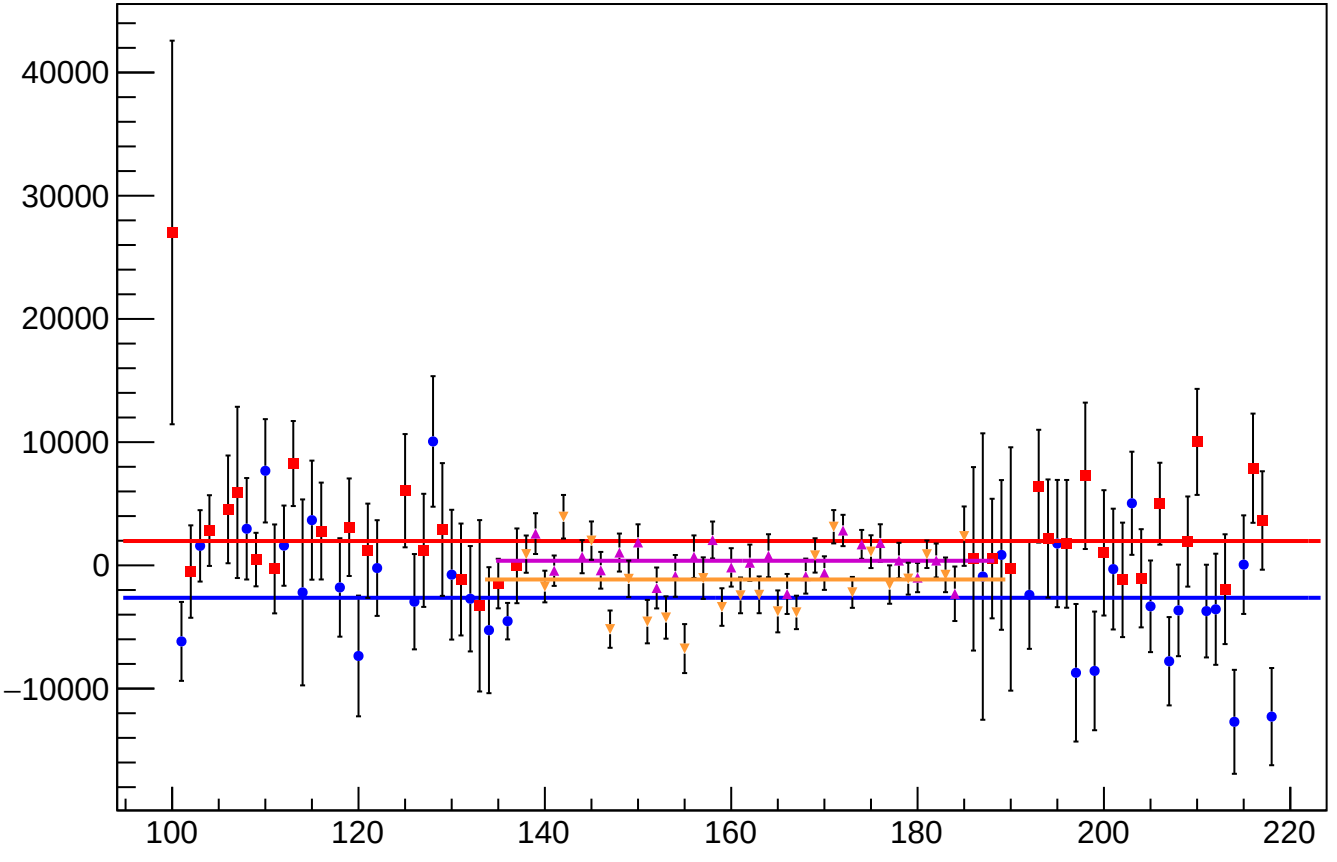
Right: 2155.010+/-0.241 χ^2/NDF: 429219.7/65

In: 2141.915+/-0.244 χ^2/NDF:313596.6/54

Out: 2141.072+/-0.244 χ^2/NDF:296783.7/57

All: 2141.492+/-0.173 χ^2/NDF: 610386.3/112

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 1976.692+/-681.619 χ^2/NDF: 23.5/33

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

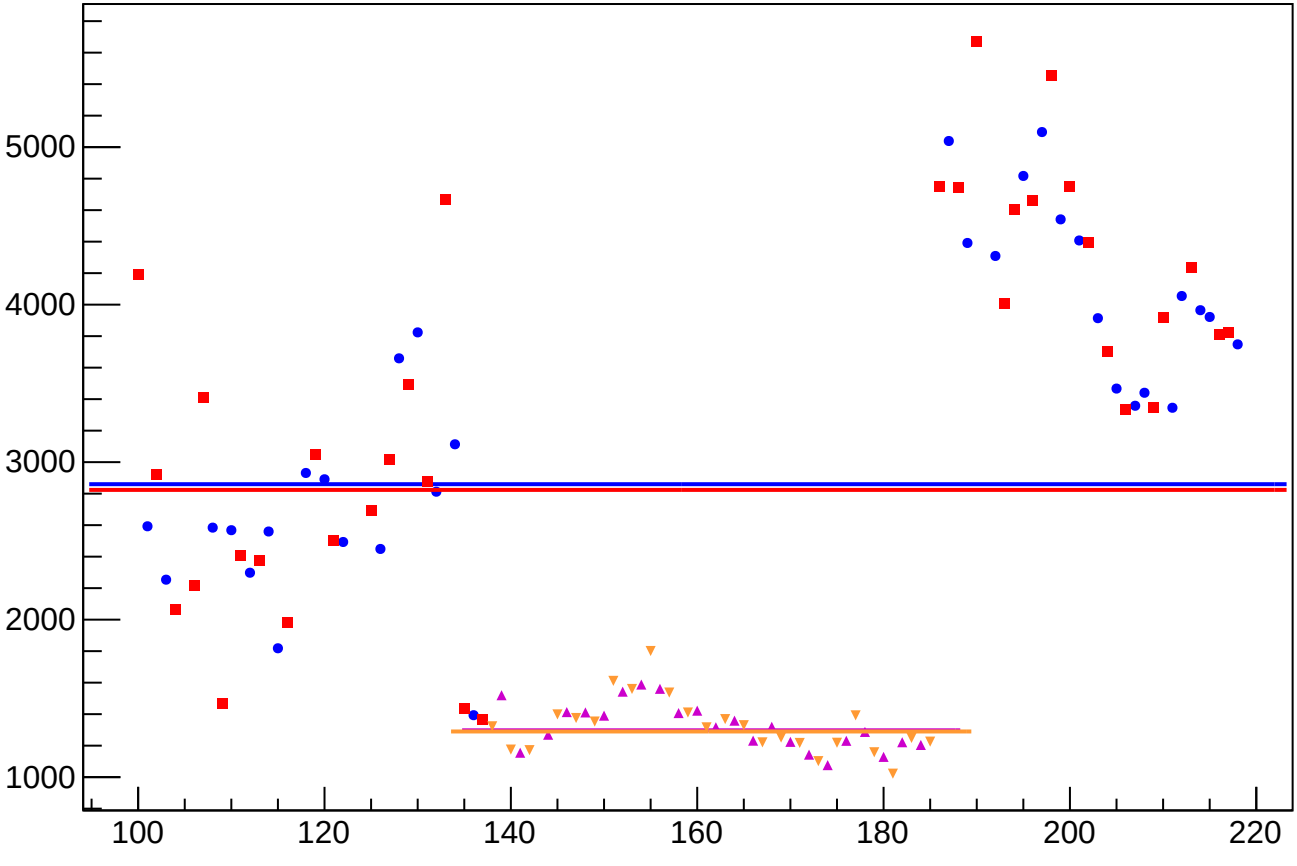
Right: -336.275+/-481.056 χ^2/NDF: 92.0/65

In: -132.326+/-278.509 χ^2/NDF:82.1/54

Out: -631.179+/-276.487 χ^2/NDF:108.5/57

All: -383.570+/-196.217 χ^2/NDF: 192.3/112

asym_us_dd_at2lr_dd_avg_eigen_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: 2823.814+/-0.482 χ^2/NDF: 5670483.8/33

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

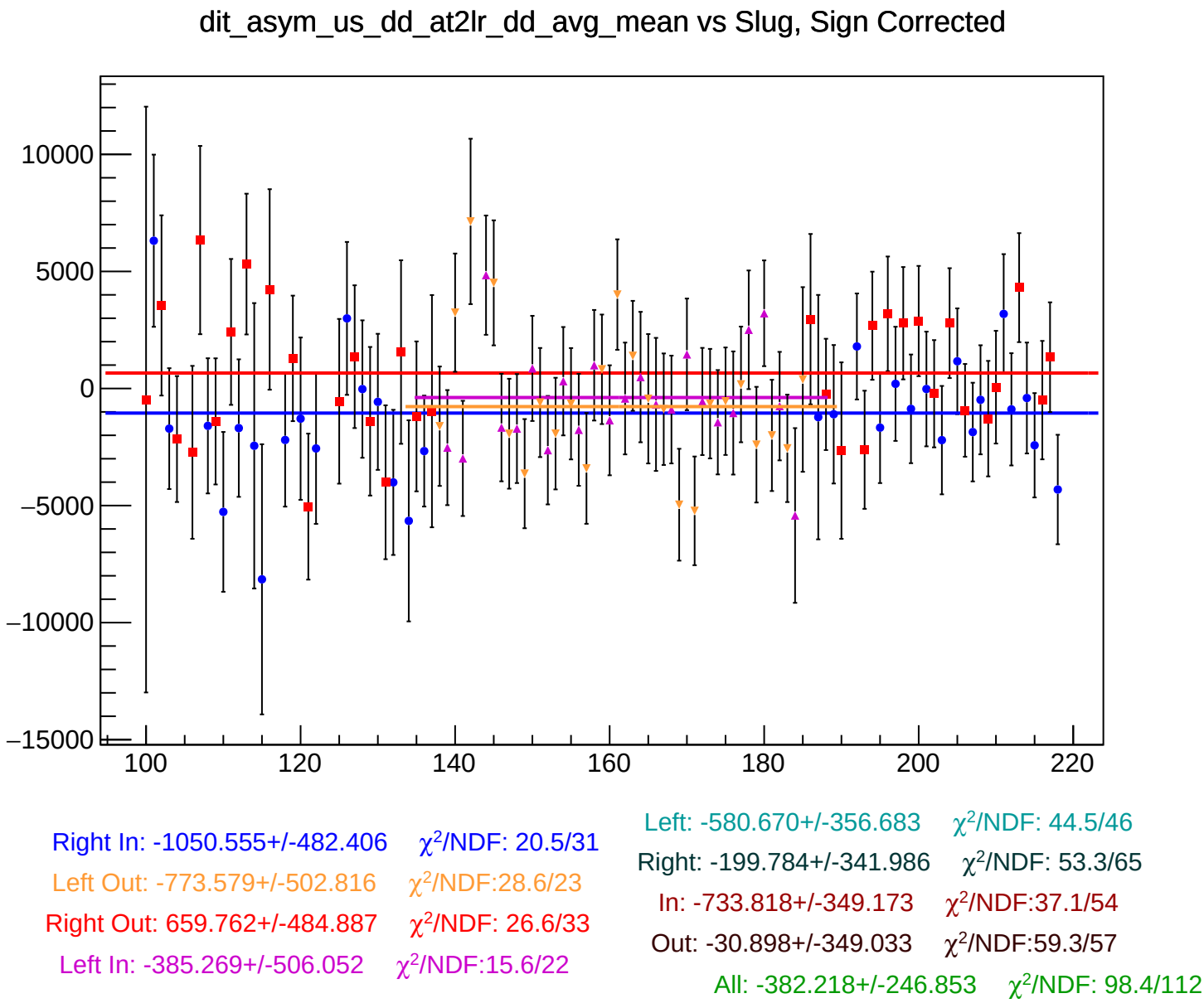
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

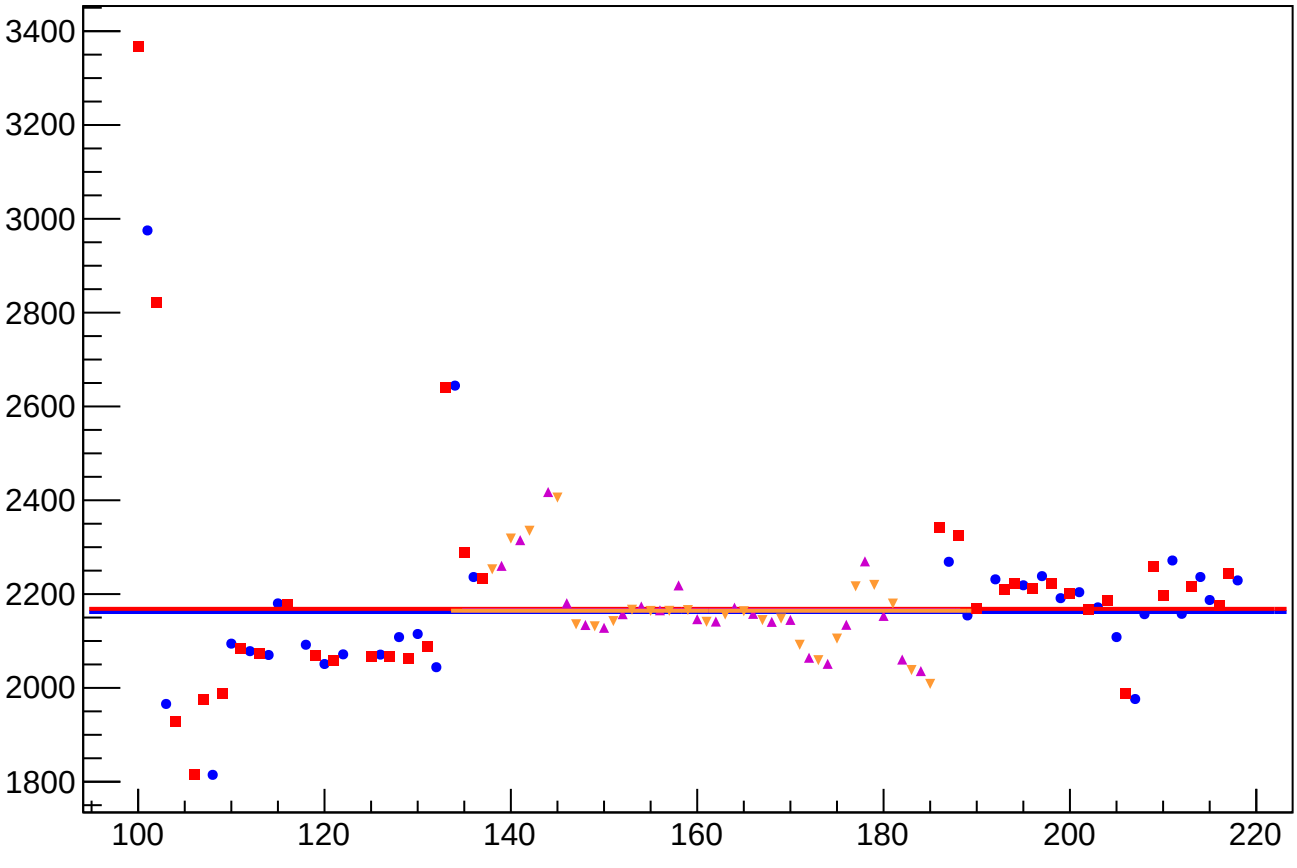
Right: 2841.991+/-0.340 χ^2/NDF: 10358622.8/65

In: 1560.334+/-0.197 χ^2/NDF:13928677.5/54

Out: 1542.405+/-0.196 χ^2/NDF:14698865.0/57

All: 1551.304+/-0.139 χ^2/NDF: 28631717.2/


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -1050.555+/-482.406 χ²/NDF: 20.5/31
Left Out: -773.579+/-502.816 χ²/NDF:28.6/23
Right Out: 659.762+/-484.887 χ²/NDF: 26.6/33
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.670+/-356.683 χ²/NDF: 44.5/46
Right: -199.784+/-341.986 χ²/NDF: 53.3/65
In: -733.818+/-349.173 χ²/NDF:37.1/54
Out: -30.898+/-349.033 χ²/NDF:59.3/57
All: -382.218+/-246.853 χ²/NDF: 98.4/112



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: 2168.531+/-0.343 χ^2/NDF: 211189.9/33

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

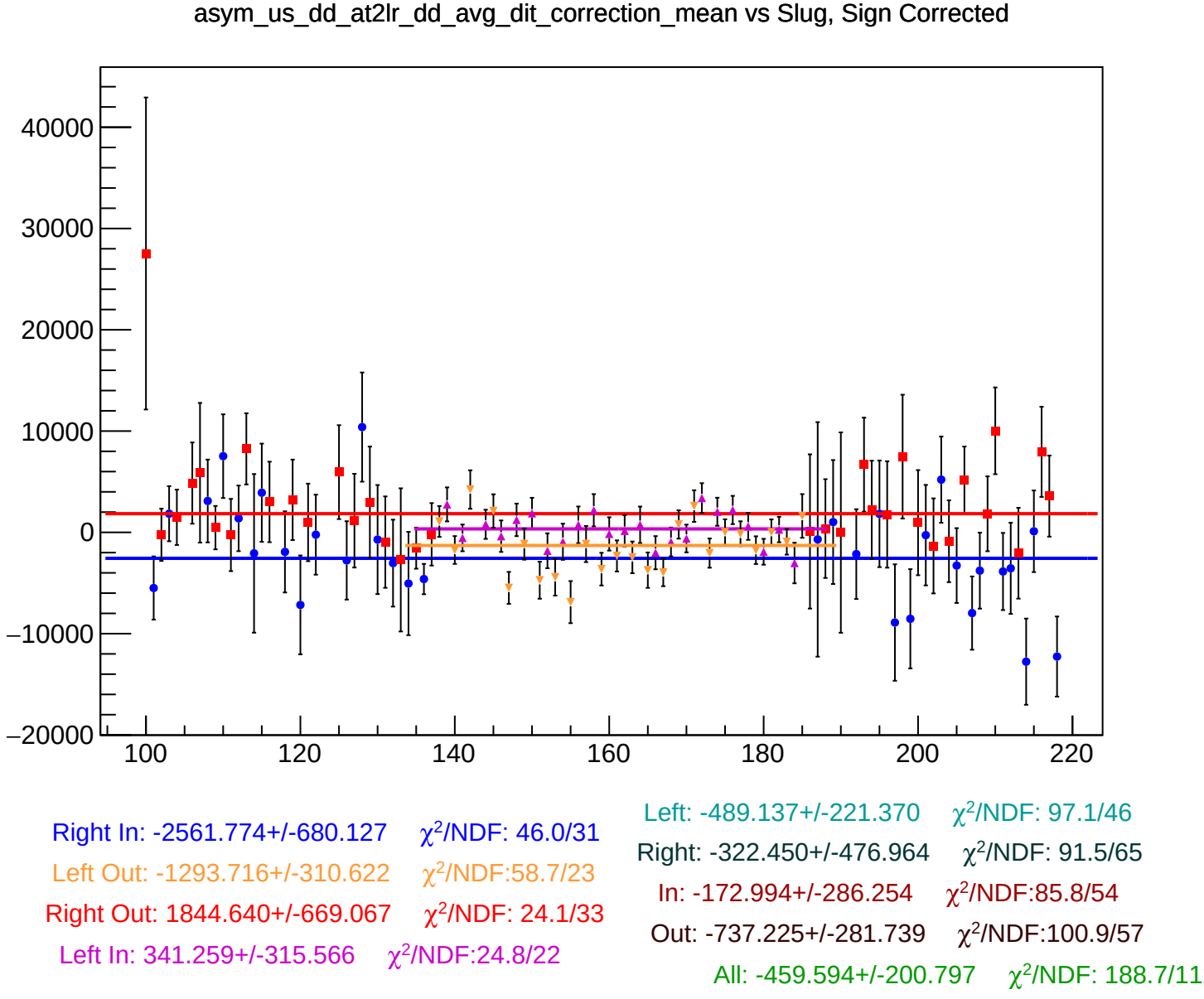
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

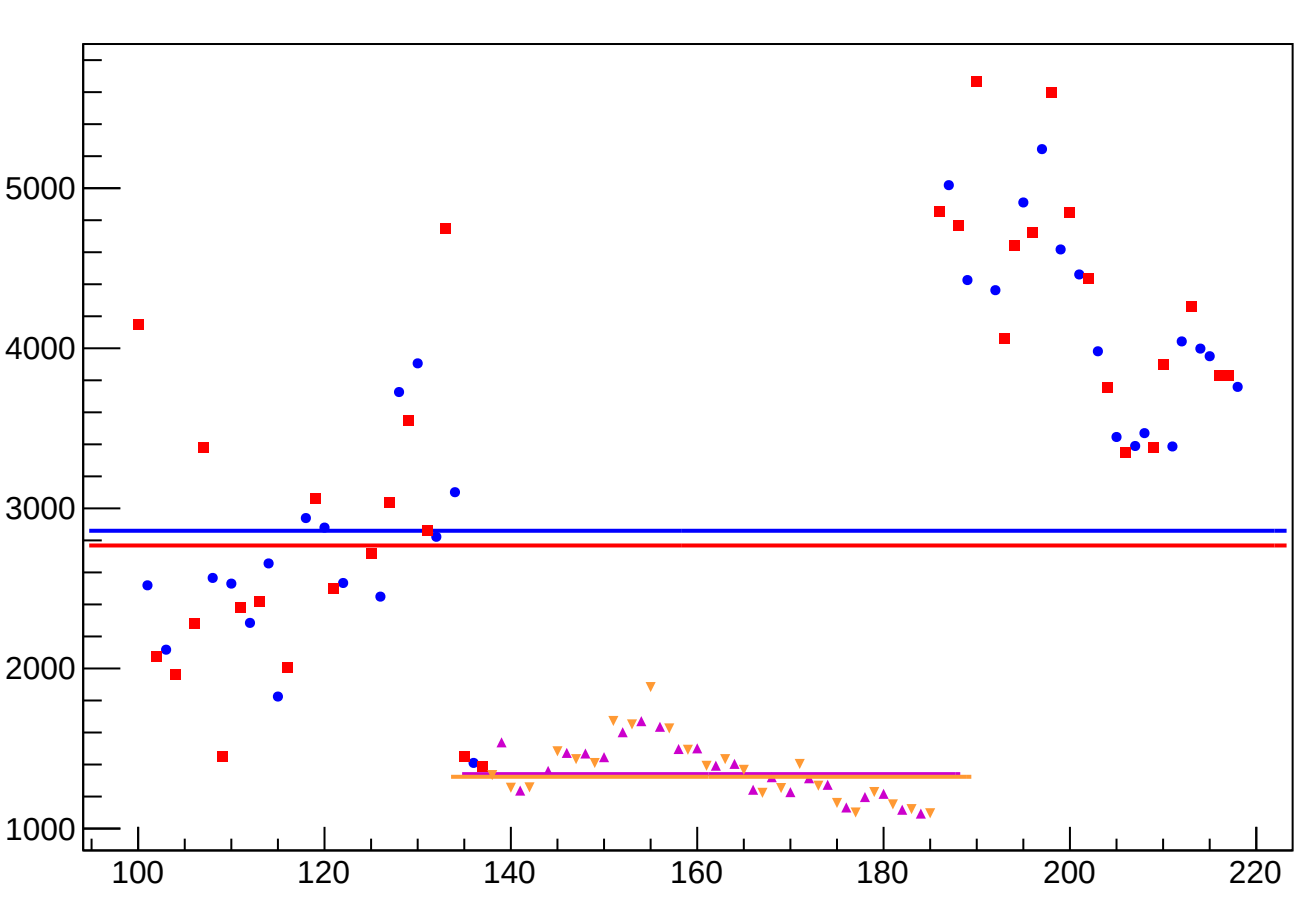
Right: 2165.151+/-0.242 χ^2/NDF: 421305.5/65

In: 2163.632+/-0.247 χ^2/NDF:262106.9/54

Out: 2166.604+/-0.247 χ^2/NDF:261931.7/57

All: 2165.119+/-0.175 χ^2/NDF: 524111.1/112


asym_us_dd_at2lr_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: -2561.774+/-680.127 χ²/NDF: 46.0/31
Left Out: -1293.716+/-310.622 χ²/NDF:58.7/23
Right Out: 1844.640+/-669.067 χ²/NDF: 24.1/33
Left In: 341.259+/-315.566 χ²/NDF:24.8/22
Left: -489.137+/-221.370 χ²/NDF: 97.1/46
Right: -322.450+/-476.964 χ²/NDF: 91.5/65
In: -172.994+/-286.254 χ²/NDF:85.8/54
Out: -737.225+/-281.739 χ²/NDF:100.9/57
All: -459.594+/-200.797 χ²/NDF: 188.7/112



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: 2768.221+/-0.473 χ^2/NDF: 5968108.7/33

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

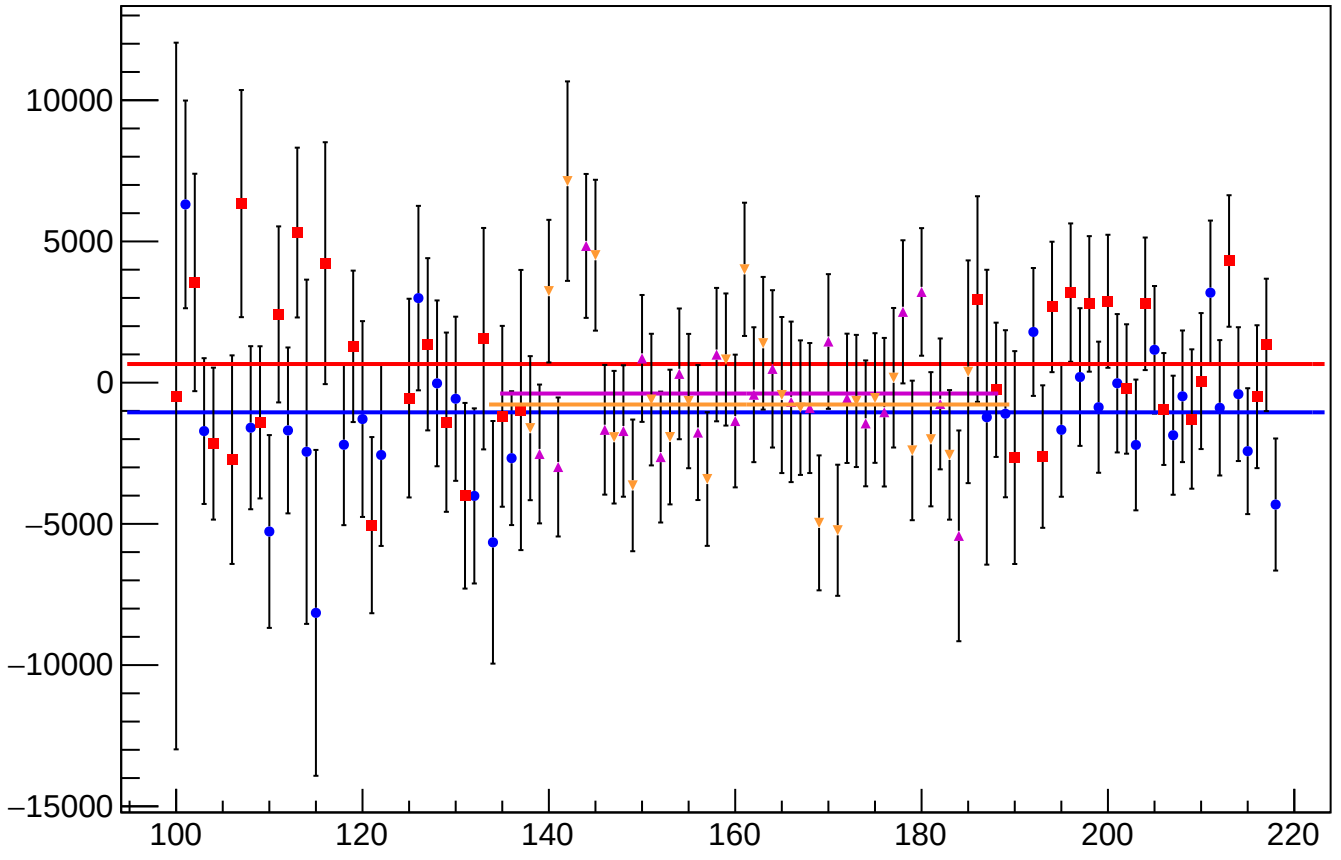
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

Right: 2813.441+/-0.337 χ^2/NDF: 10778619.0/65

In: 1609.357+/-0.202 χ^2/NDF:13506922.6/54

Out: 1579.596+/-0.199 χ^2/NDF:14304669.4/57

All: 1594.240+/-0.142 χ^2/NDF: 27822572.9/1



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: 659.756+/-484.887 χ^2/NDF: 26.6/33

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

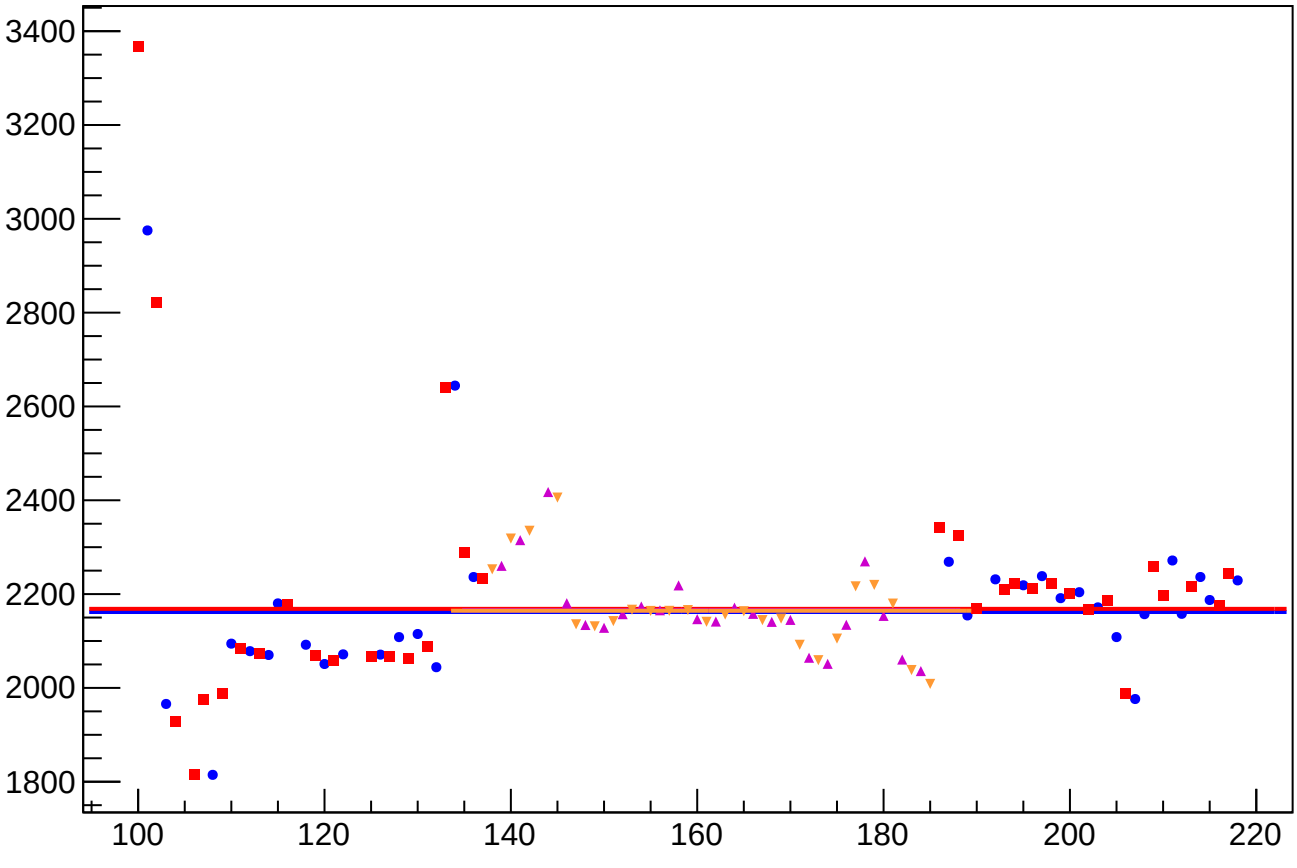
Left: -580.668+/-356.683 χ^2/NDF: 44.5/46

Right: -199.783+/-341.986 χ^2/NDF: 53.3/65

In: -733.814+/-349.173 χ^2/NDF:37.1/54

Out: -30.900+/-349.033 χ^2/NDF:59.3/57

All: -382.217+/-246.853 χ^2/NDF: 98.4/112



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: 2168.531+/-0.343 χ^2/NDF: 211189.8/33

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

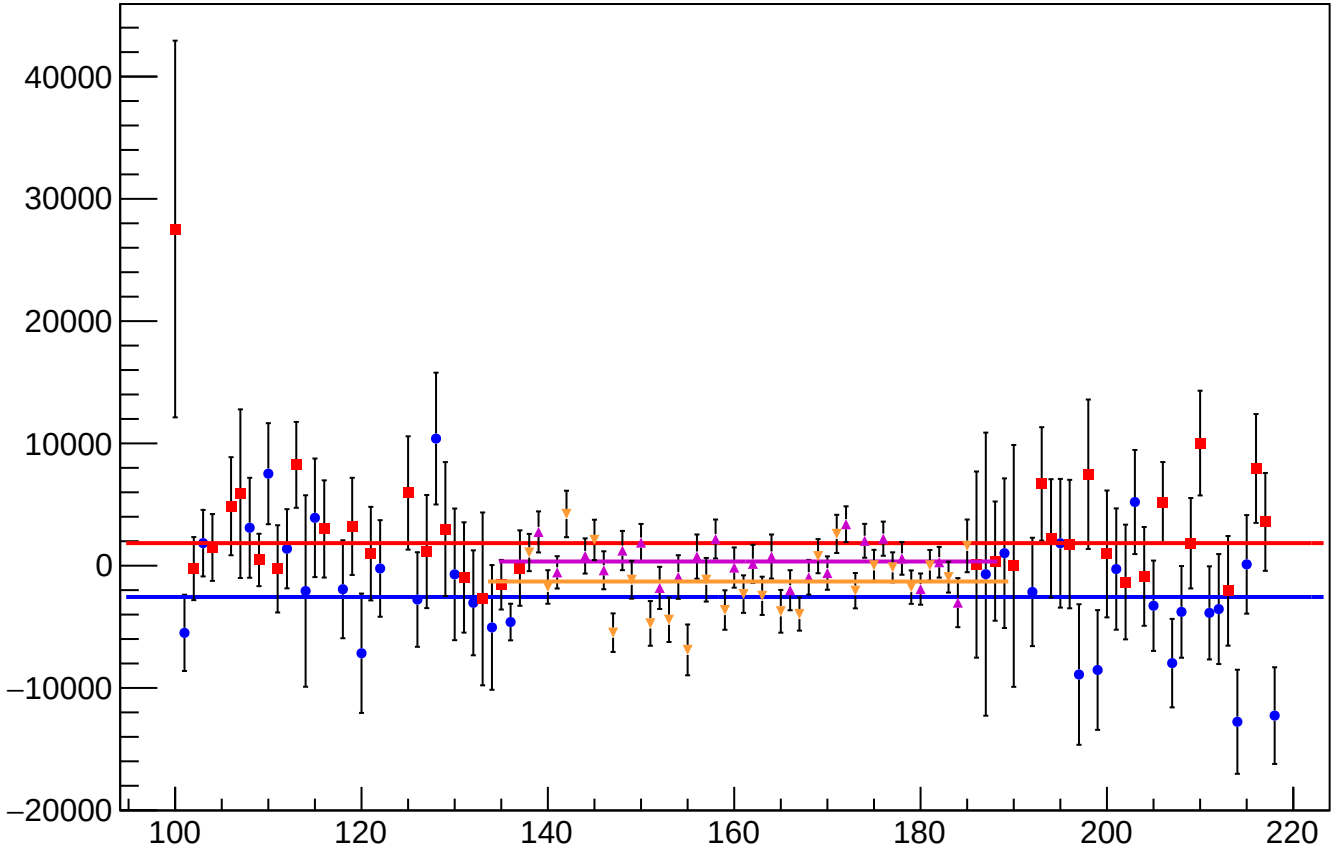
Right: 2165.150+/-0.242 χ^2/NDF: 421305.3/65

In: 2163.632+/-0.247 χ^2/NDF:262106.9/54

Out: 2166.604+/-0.247 χ^2/NDF:261931.7/57

All: 2165.118+/-0.175 χ^2/NDF: 524111.0/112

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: 1844.651+/-669.069 χ^2/NDF: 24.1/33

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

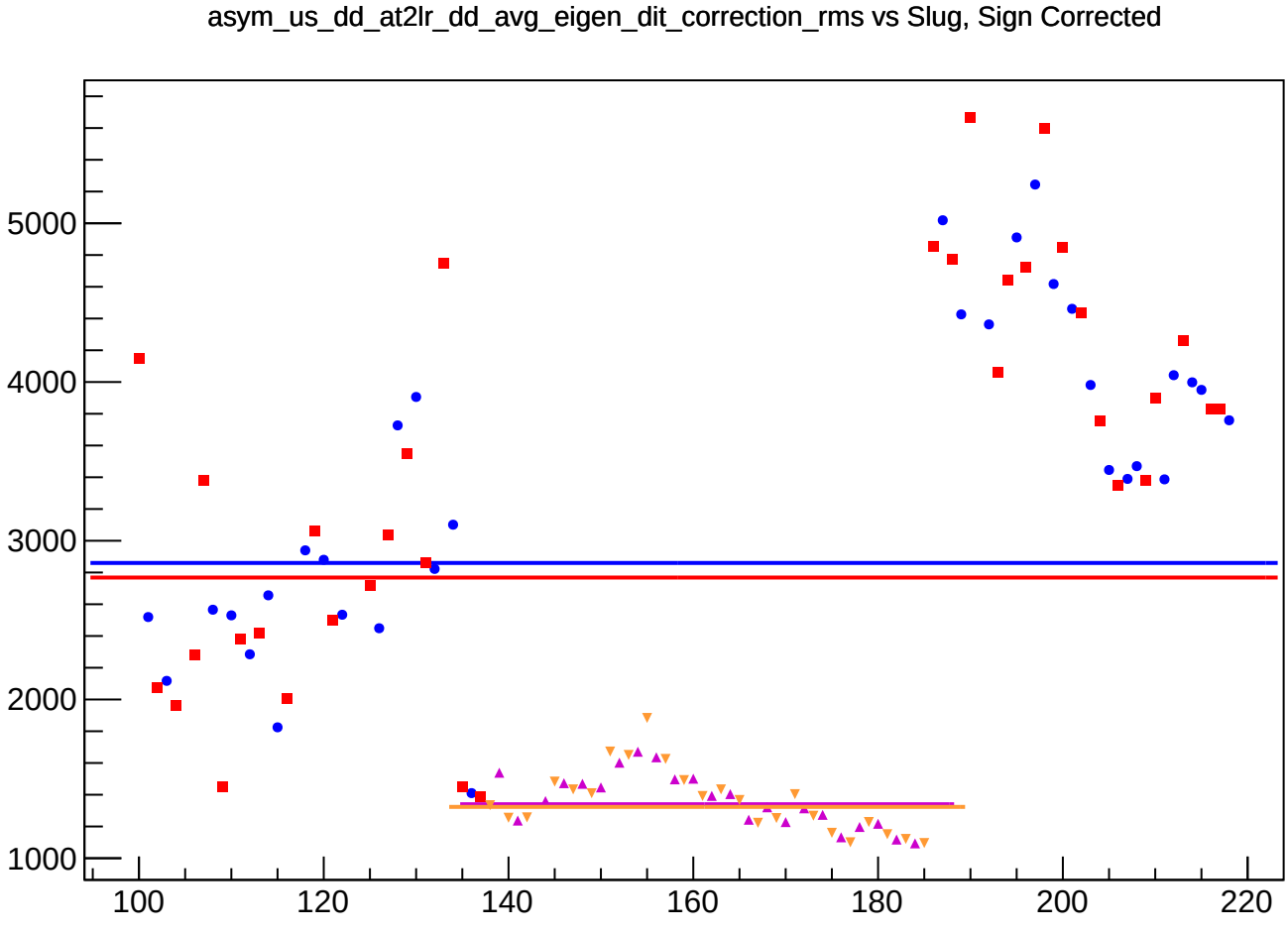
Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

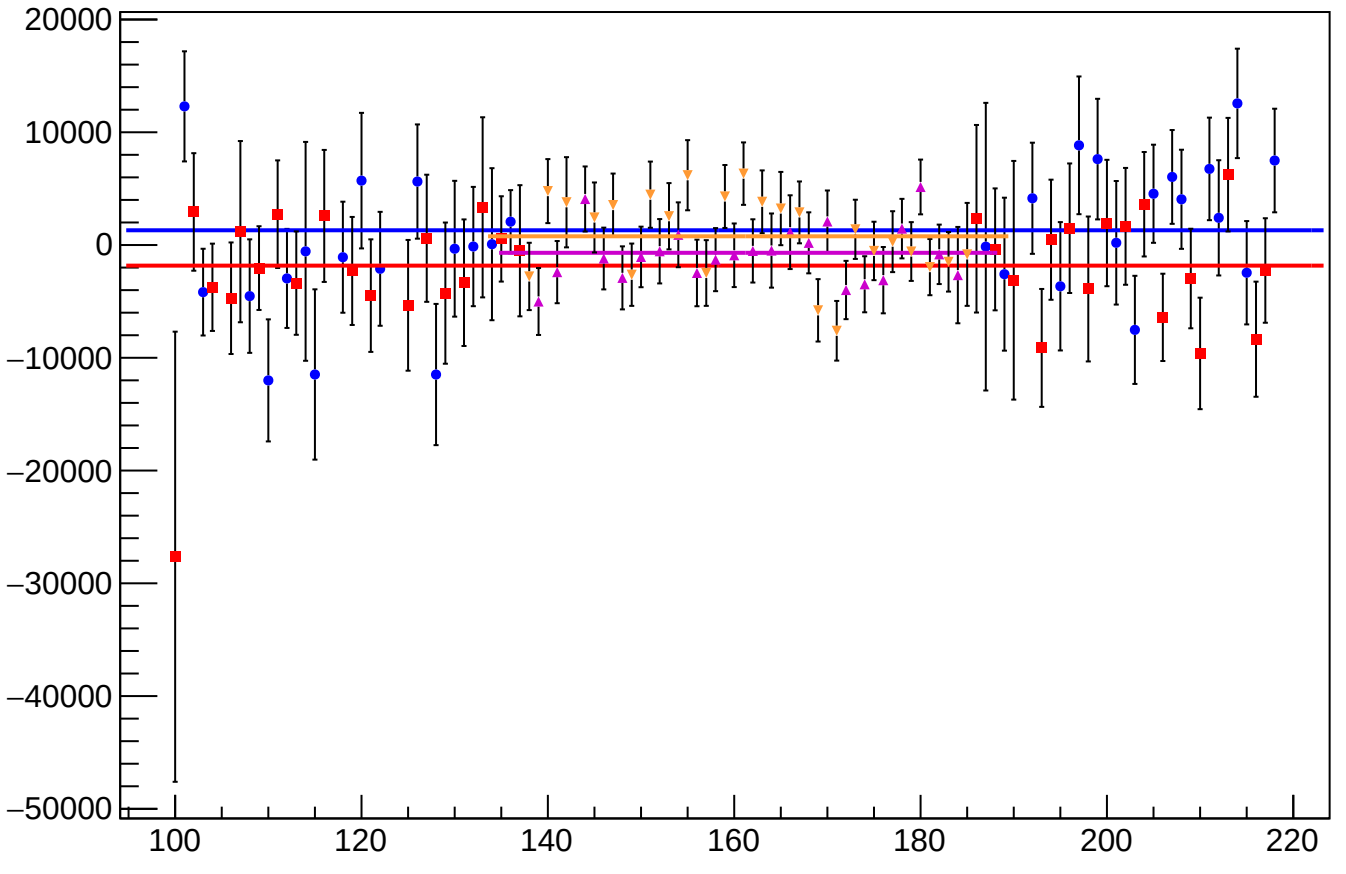
Right: -322.445+/-476.965 χ^2/NDF: 91.5/65

In: -172.994+/-286.254 χ^2/NDF:85.8/54

Out: -737.227+/-281.740 χ^2/NDF:100.9/57

All: -459.595+/-200.797 χ^2/NDF: 188.7/112


asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2860.179+/-0.481 χ²/NDF: 4791820.9/31
Left Out: 1323.402+/-0.220 χ²/NDF:663857.6/23
Right Out: 2768.233+/-0.473 χ²/NDF: 5968010.6/33
Left In: 1340.083+/-0.223 χ²/NDF:494276.1/22
Left: 1331.611+/-0.157 χ²/NDF: 1160972.0/46
Right: 2813.452+/-0.337 χ²/NDF: 10778407.3/65
In: 1609.357+/-0.202 χ²/NDF:13506919.3/54
Out: 1579.597+/-0.199 χ²/NDF:14304663.3/57
All: 1594.240+/-0.142 χ²/NDF: 27822562.4/



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: -1826.795+/-892.275 χ^2/NDF: 20.1/33

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

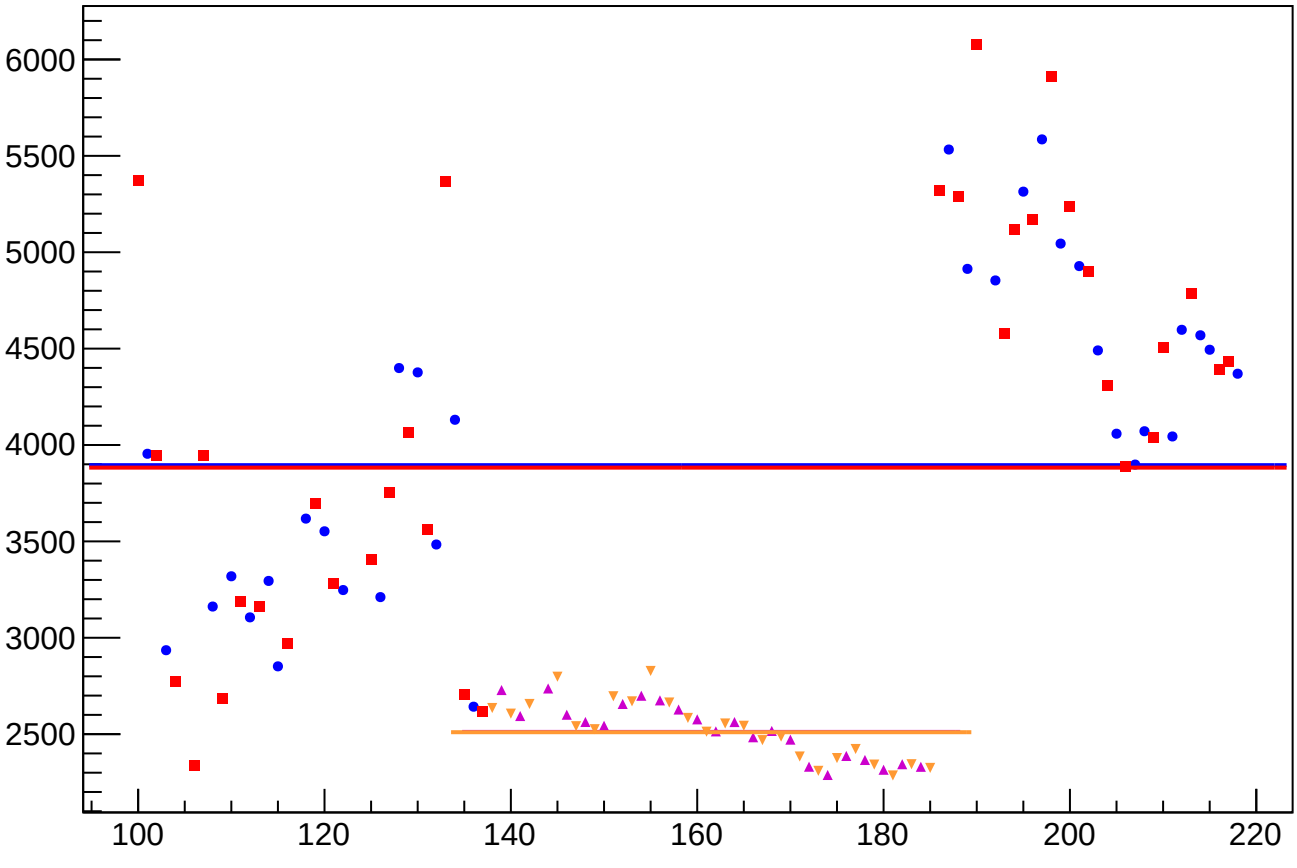
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -248.467+/-628.740 χ^2/NDF: 70.4/65

In: -79.952+/-489.613 χ^2/NDF:66.0/54

Out: -4.866+/-488.462 χ^2/NDF:65.4/57

All: -42.320+/-345.801 χ^2/NDF: 131.4/112



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: 3882.624+/-0.631 χ^2/NDF: 2213558.7/33

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

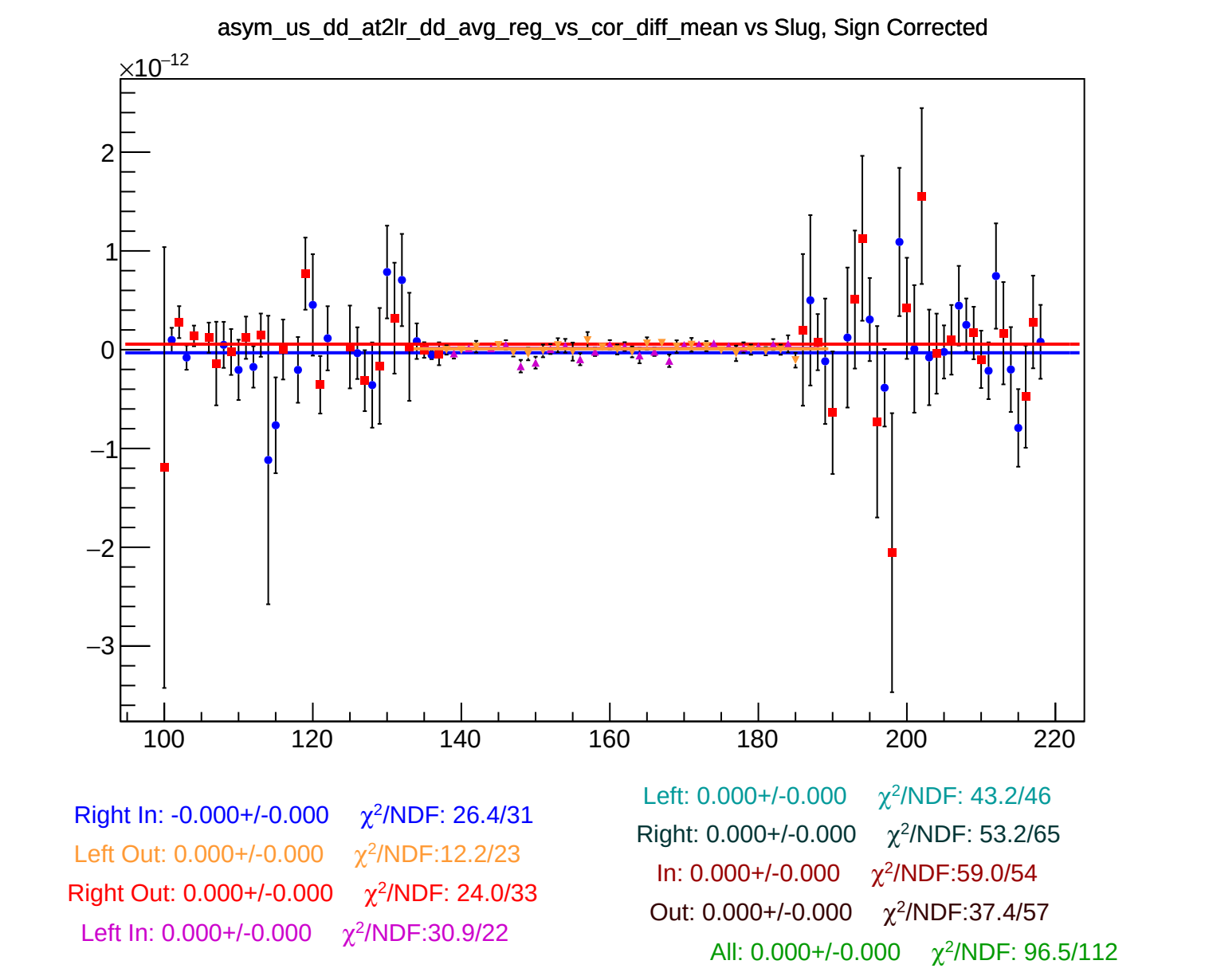
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

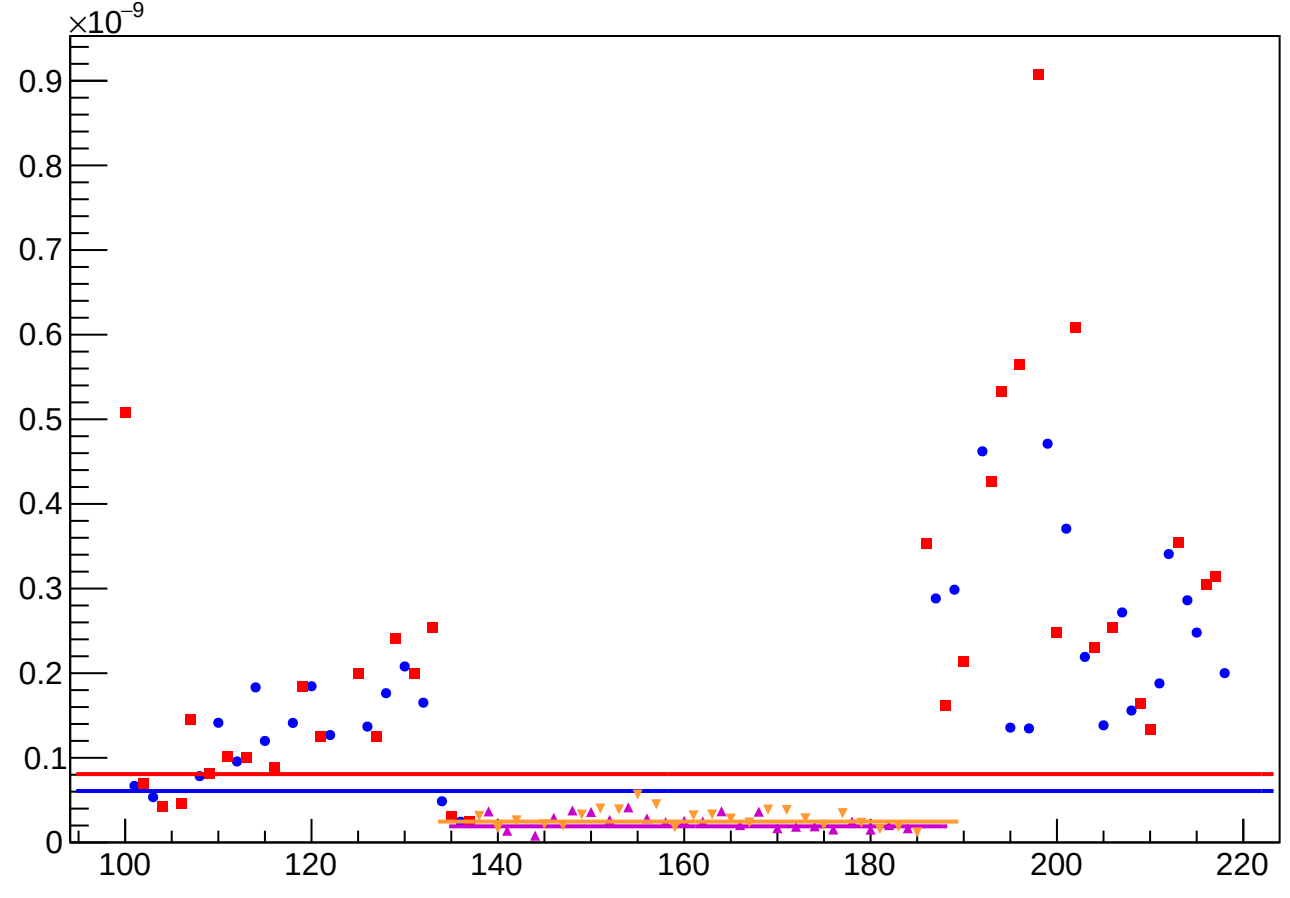
Right: 3889.065+/-0.445 χ^2/NDF: 3802642.0/65

In: 2934.100+/-0.346 χ^2/NDF:5090846.0/54

Out: 2921.407+/-0.345 χ^2/NDF:5656483.8/57

All: 2927.738+/-0.245 χ^2/NDF: 10748003.5/1


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: 24.0/33
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: 53.2/65
In: 0.000+/-0.000 χ²/NDF:59.0/54
Out: 0.000+/-0.000 χ²/NDF:37.4/57
All: 0.000+/-0.000 χ²/NDF: 96.5/112



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: 8787060.7/33

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

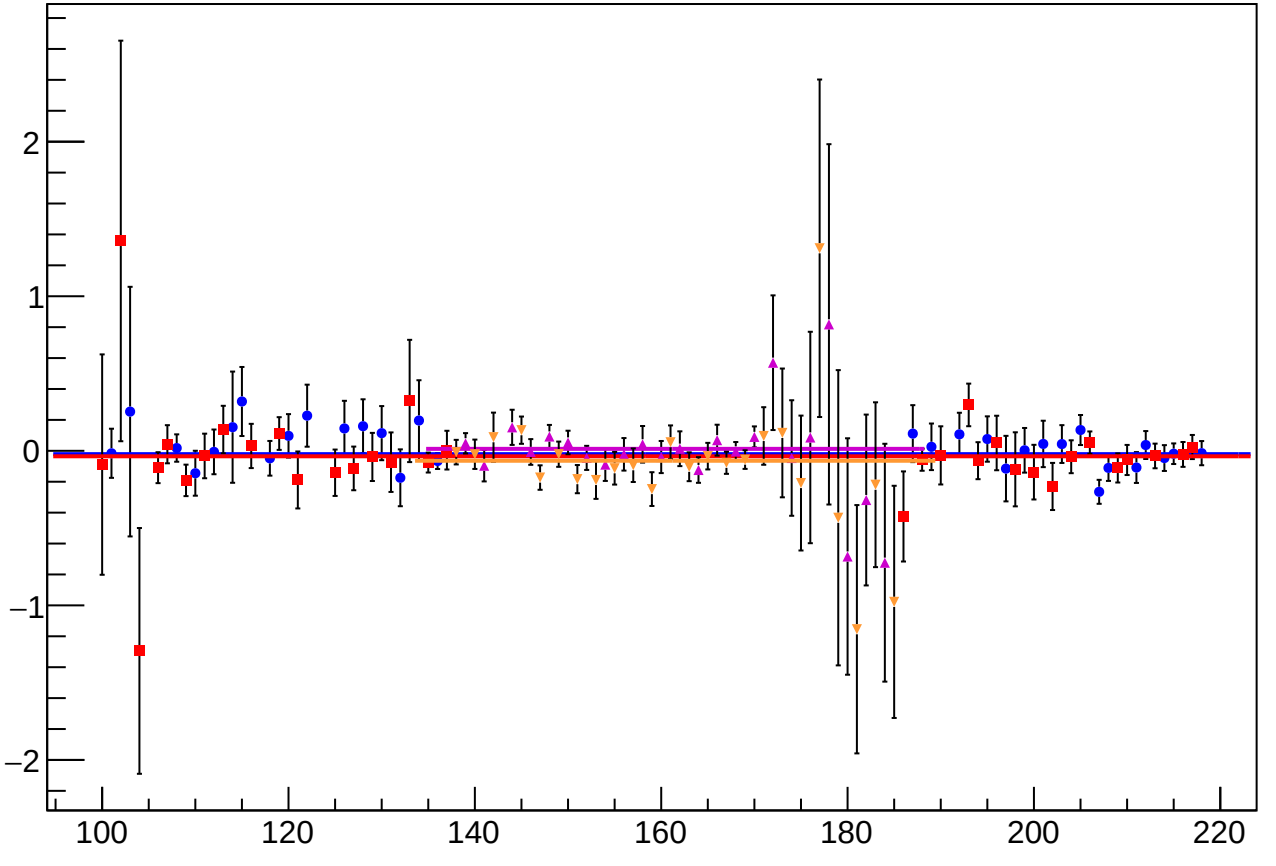
Right: 0.000+/-0.000 χ^2/NDF: 17461918.8/65

In: 0.000+/-0.000 χ^2/NDF:13642081.1/54

Out: 0.000+/-0.000 χ^2/NDF:13823735.2/57

All: 0.000+/-0.000 χ^2/NDF: 27937598.8/112

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: -0.035+/-0.020 χ^2/NDF: 26.1/33

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

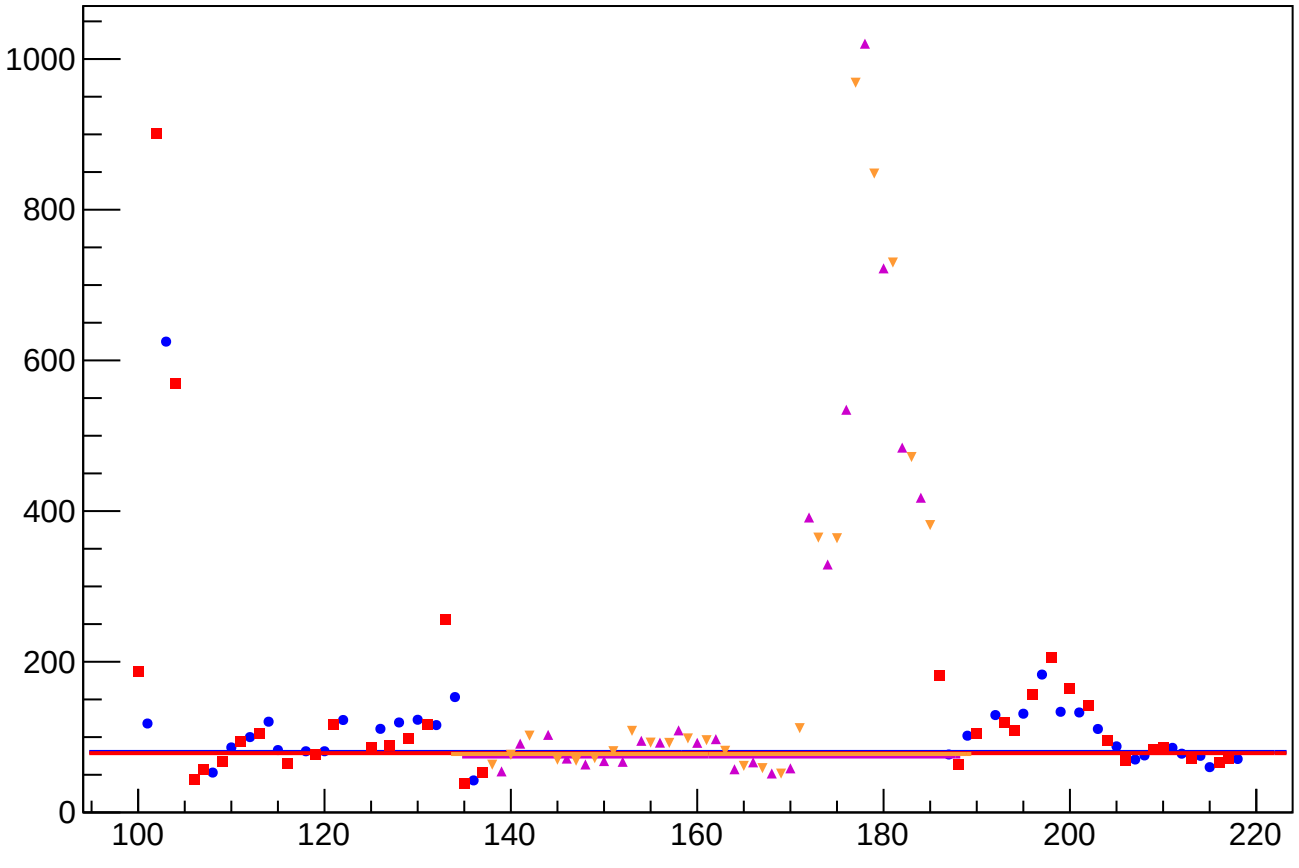
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.029+/-0.014 χ^2/NDF: 54.4/65

In: -0.005+/-0.015 χ^2/NDF:44.5/54

Out: -0.049+/-0.015 χ^2/NDF:49.4/57

All: -0.026+/-0.010 χ^2/NDF: 98.2/112



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: 78.715+/-0.014 χ^2/NDF: 6156469.0/33

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

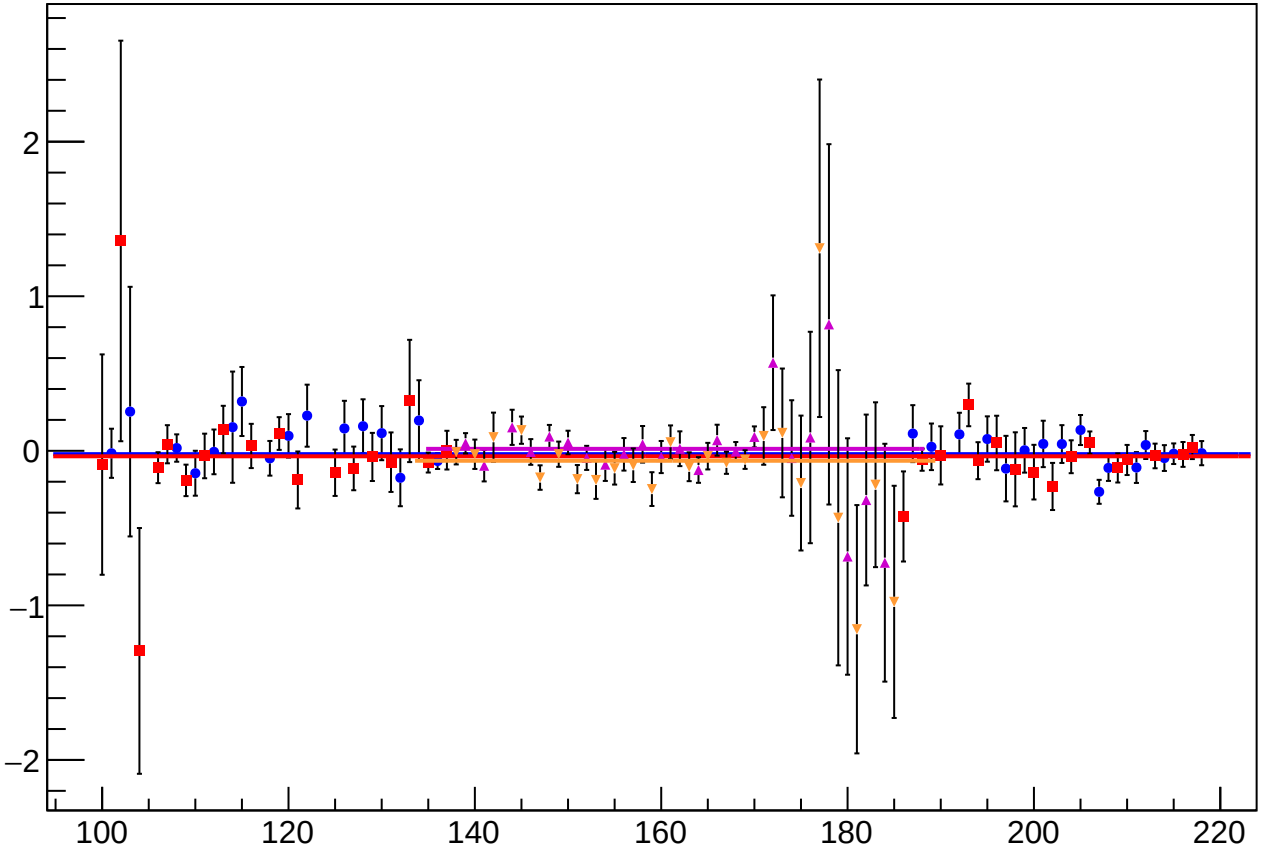
Right: 79.524+/-0.010 χ^2/NDF: 11028320.5/65

In: 77.427+/-0.010 χ^2/NDF:13467432.5/54

Out: 78.178+/-0.011 χ^2/NDF:14490783.4/57

All: 77.793+/-0.007 χ^2/NDF: 27960818.3/112

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: -0.035+/-0.020 χ^2/NDF: 26.1/33

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

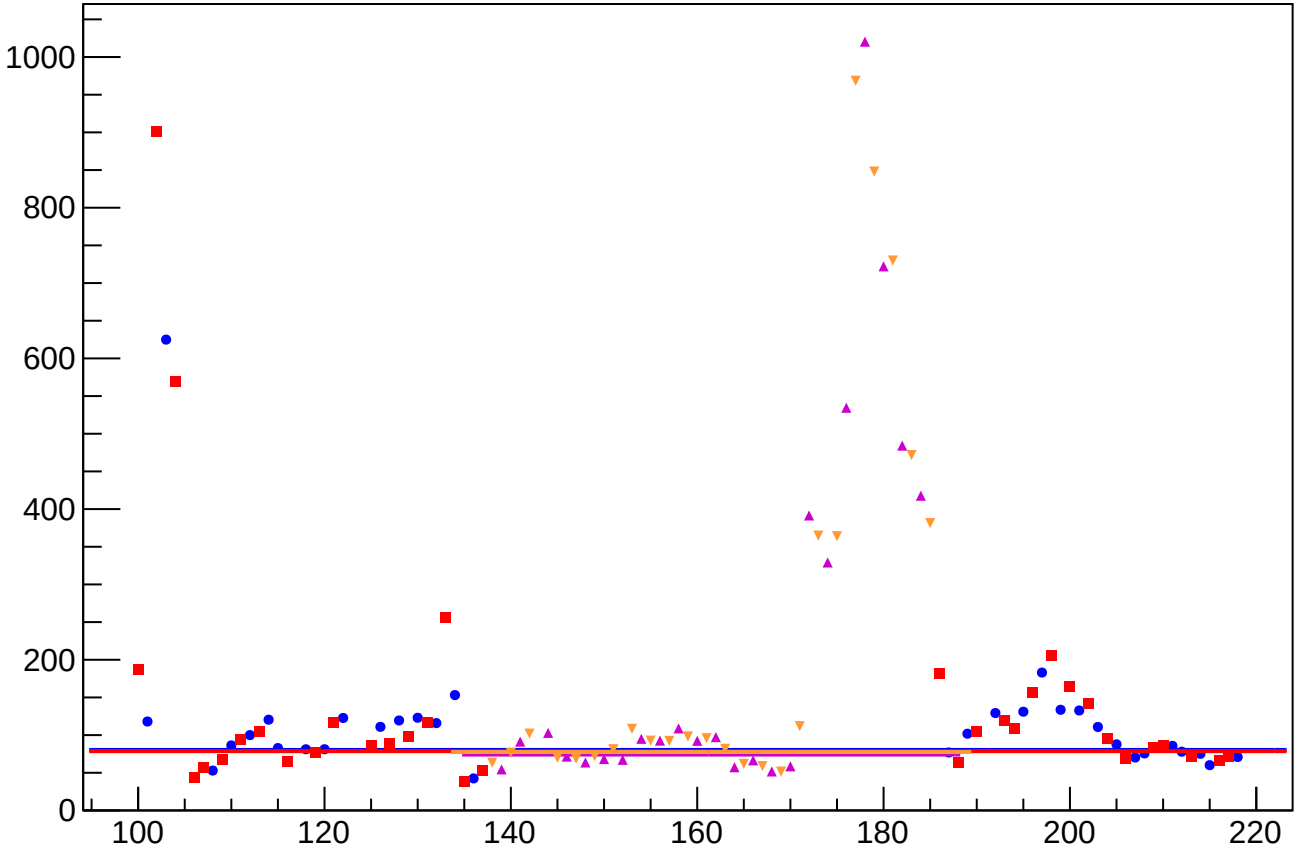
Right: -0.029+/-0.014 χ^2/NDF: 54.4/65

In: -0.005+/-0.015 χ^2/NDF:44.5/54

Out: -0.049+/-0.015 χ^2/NDF:49.4/57

All: -0.026+/-0.010 χ^2/NDF: 98.2/112

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 78.715+/-0.014 χ^2/NDF: 6156469.0/33

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

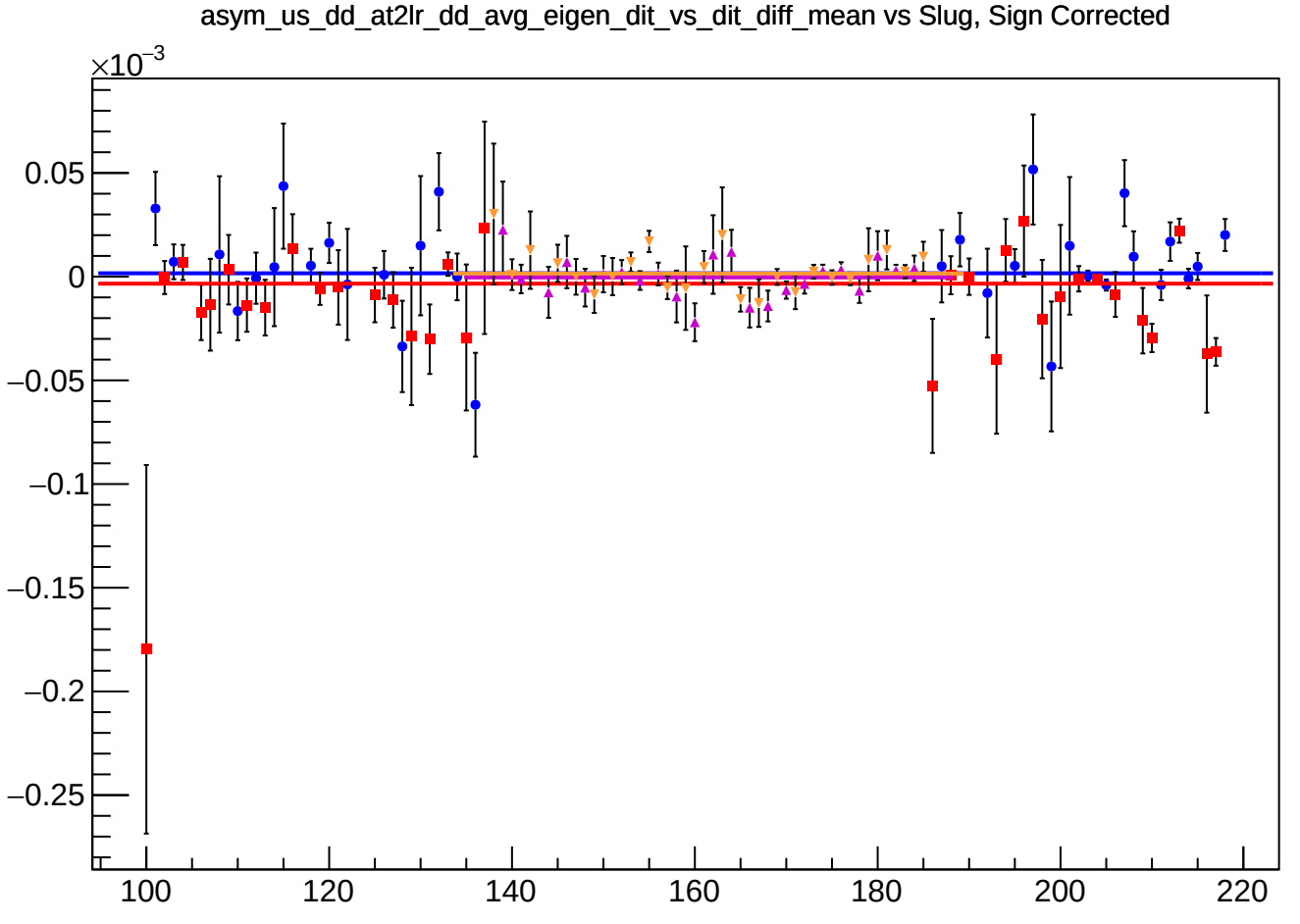
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 79.524+/-0.010 χ^2/NDF: 11028320.5/65

In: 77.427+/-0.010 χ^2/NDF:13467432.5/54

Out: 78.178+/-0.011 χ^2/NDF:14490783.4/57

All: 77.793+/-0.007 χ^2/NDF: 27960818.3/112



Right In: 0.000+/-0.000 χ^2/NDF: 51.9/31

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 85.8/33

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

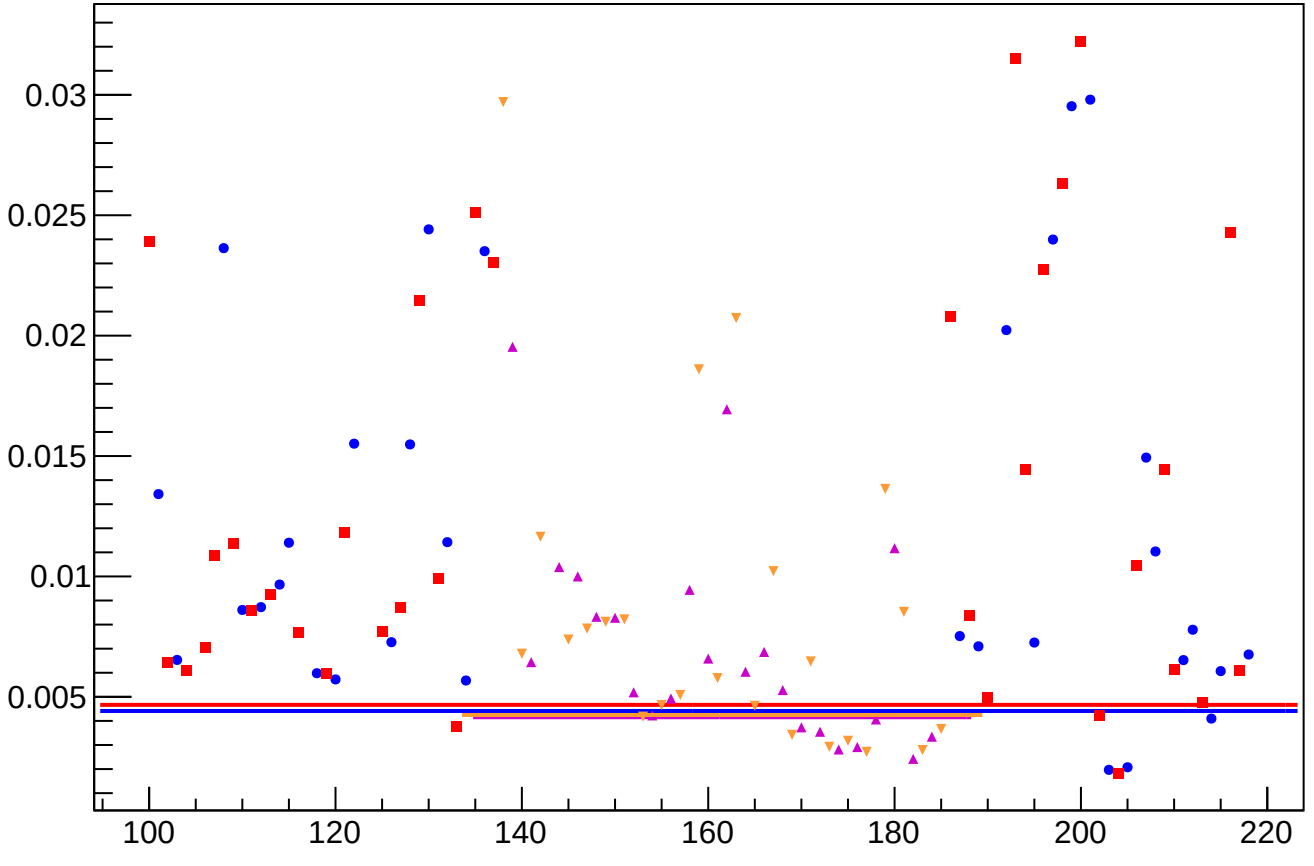
Right: -0.000+/-0.000 χ^2/NDF: 144.2/65

In: 0.000+/-0.000 χ^2/NDF:77.7/54

Out: -0.000+/-0.000 χ^2/NDF:120.0/57

All: 0.000+/-0.000 χ^2/NDF: 198.3/112

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: 15933422.7/33

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

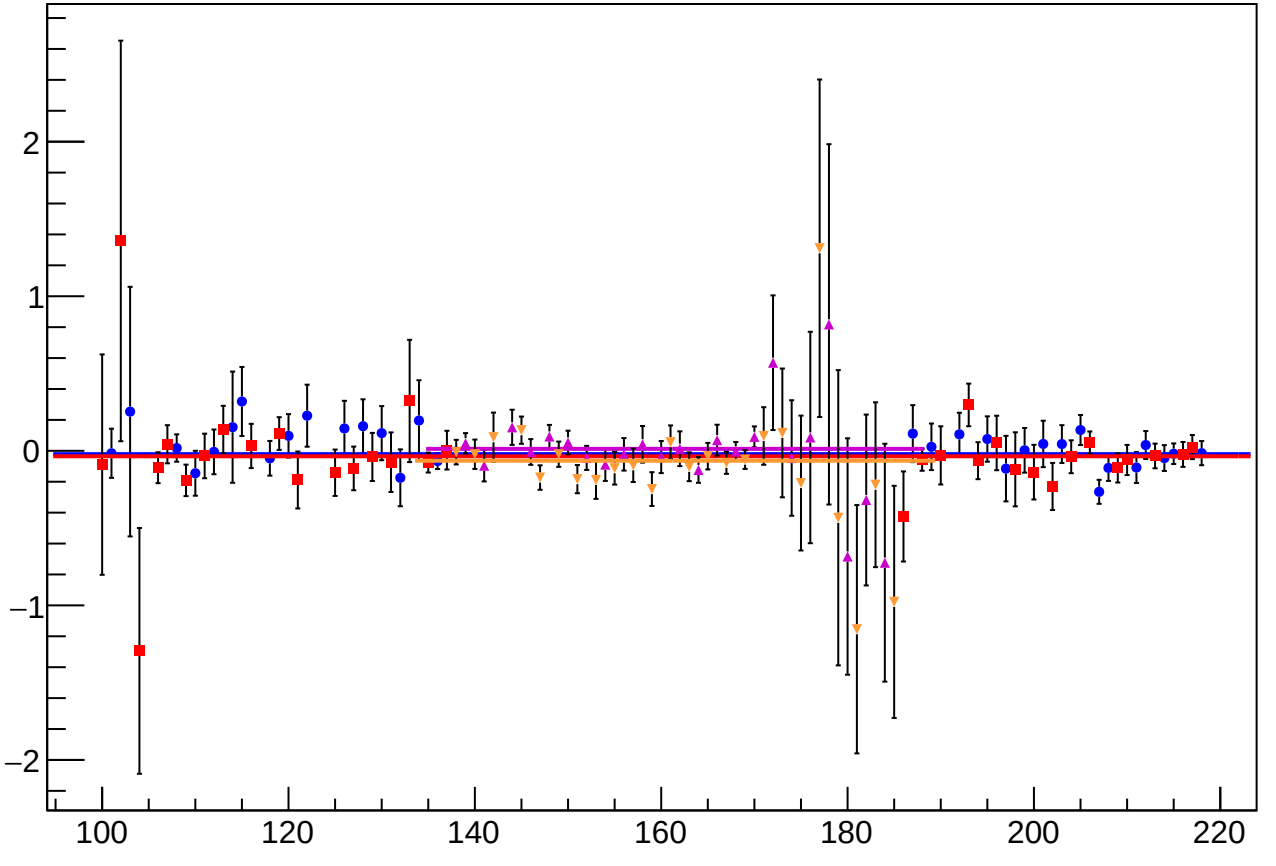
Right: 0.005+/-0.000 χ^2/NDF: 31707835.9/65

In: 0.004+/-0.000 χ^2/NDF:22668932.7/54

Out: 0.004+/-0.000 χ^2/NDF:24690584.6/57

All: 0.004+/-0.000 χ^2/NDF: 47386997.8/112

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: -0.036+/-0.020 χ^2/NDF: 26.1/33

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

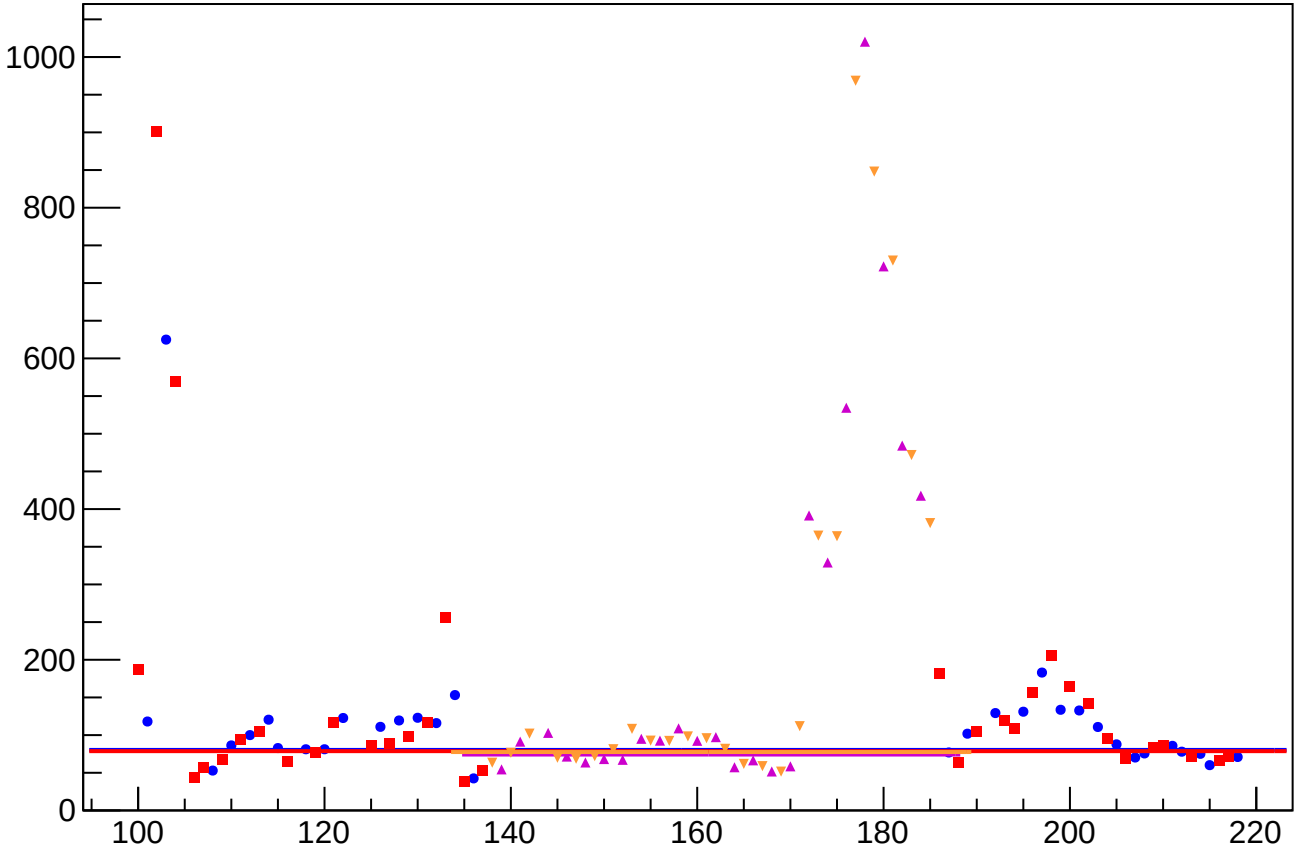
Right: -0.029+/-0.014 χ^2/NDF: 54.4/65

In: -0.005+/-0.015 χ^2/NDF:44.5/54

Out: -0.049+/-0.015 χ^2/NDF:49.4/57

All: -0.026+/-0.010 χ^2/NDF: 98.2/112

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 78.711+/-0.014 χ^2/NDF: 6157919.1/33

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

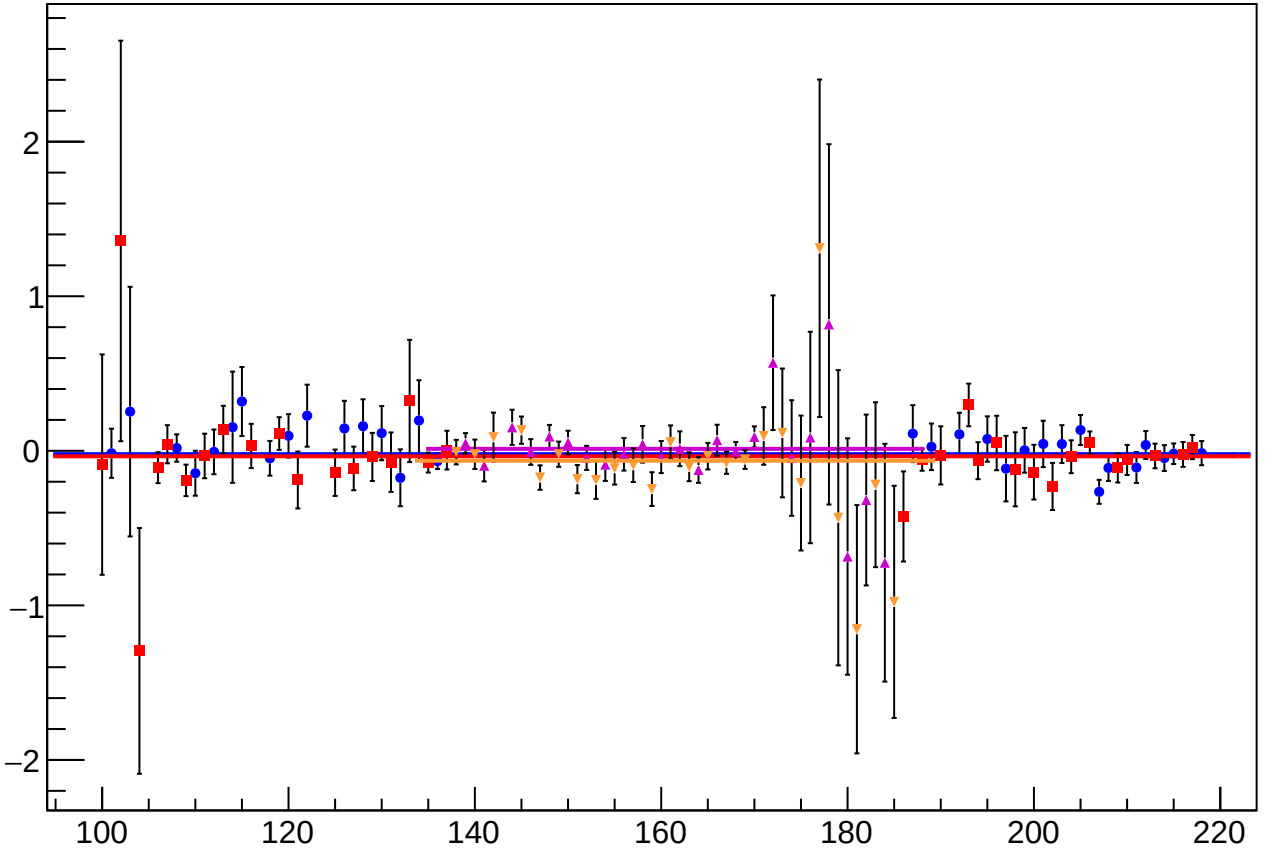
Right: 79.527+/-0.010 χ^2/NDF: 11026978.8/65

In: 77.432+/-0.010 χ^2/NDF:13464480.7/54

Out: 78.175+/-0.011 χ^2/NDF:14492124.0/57

All: 77.795+/-0.007 χ^2/NDF: 27959150.0/112

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: -0.036+/-0.020 χ^2/NDF: 26.1/33

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

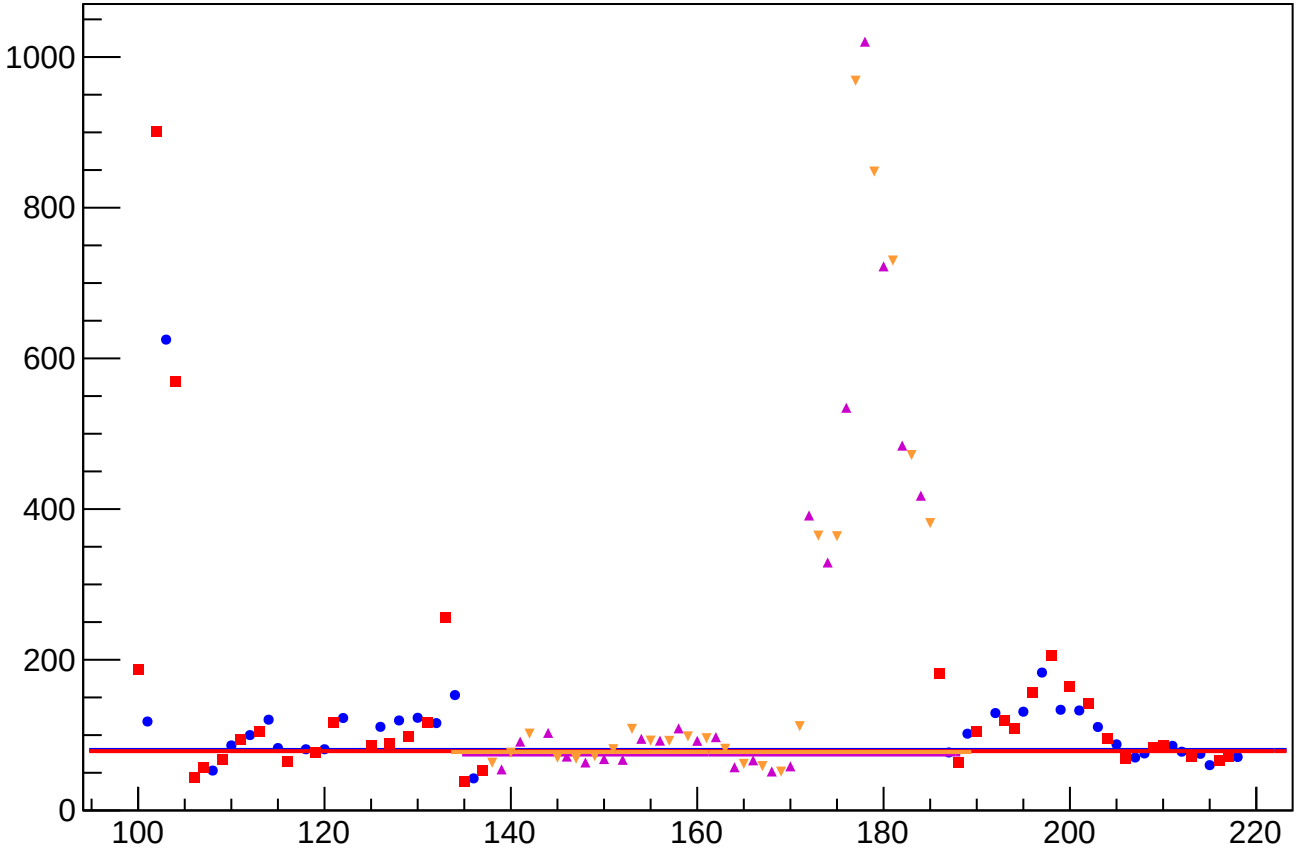
Right: -0.029+/-0.014 χ^2/NDF: 54.4/65

In: -0.005+/-0.015 χ^2/NDF:44.5/54

Out: -0.049+/-0.015 χ^2/NDF:49.4/57

All: -0.026+/-0.010 χ^2/NDF: 98.2/112

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 78.711+/-0.014 χ^2/NDF: 6157919.1/33

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

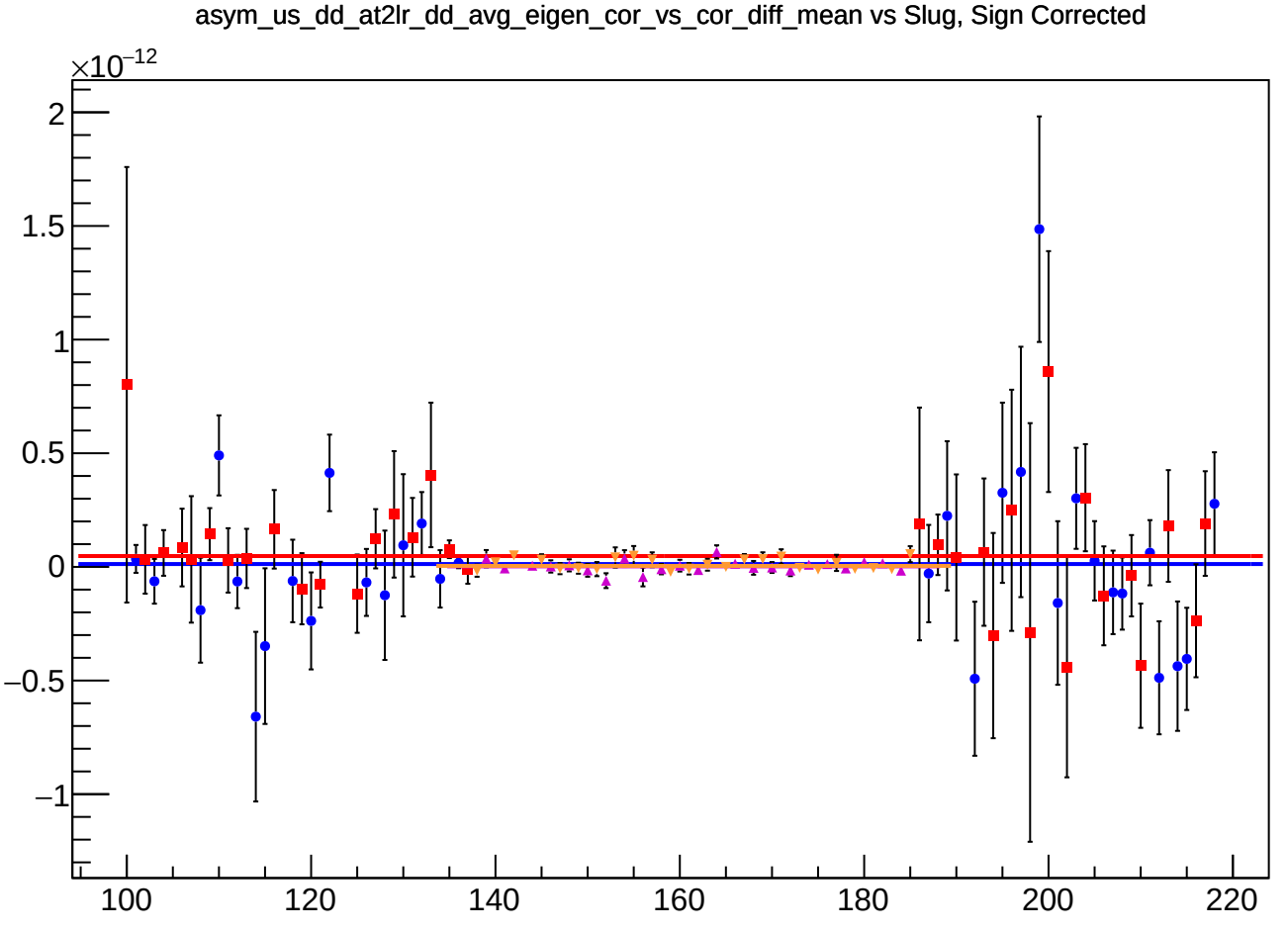
Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

Right: 79.527+/-0.010 χ^2/NDF: 11026978.8/65

In: 77.432+/-0.010 χ^2/NDF:13464480.7/54

Out: 78.175+/-0.011 χ^2/NDF:14492124.0/57

All: 77.795+/-0.007 χ^2/NDF: 27959150.0/112



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: 20.7/33

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

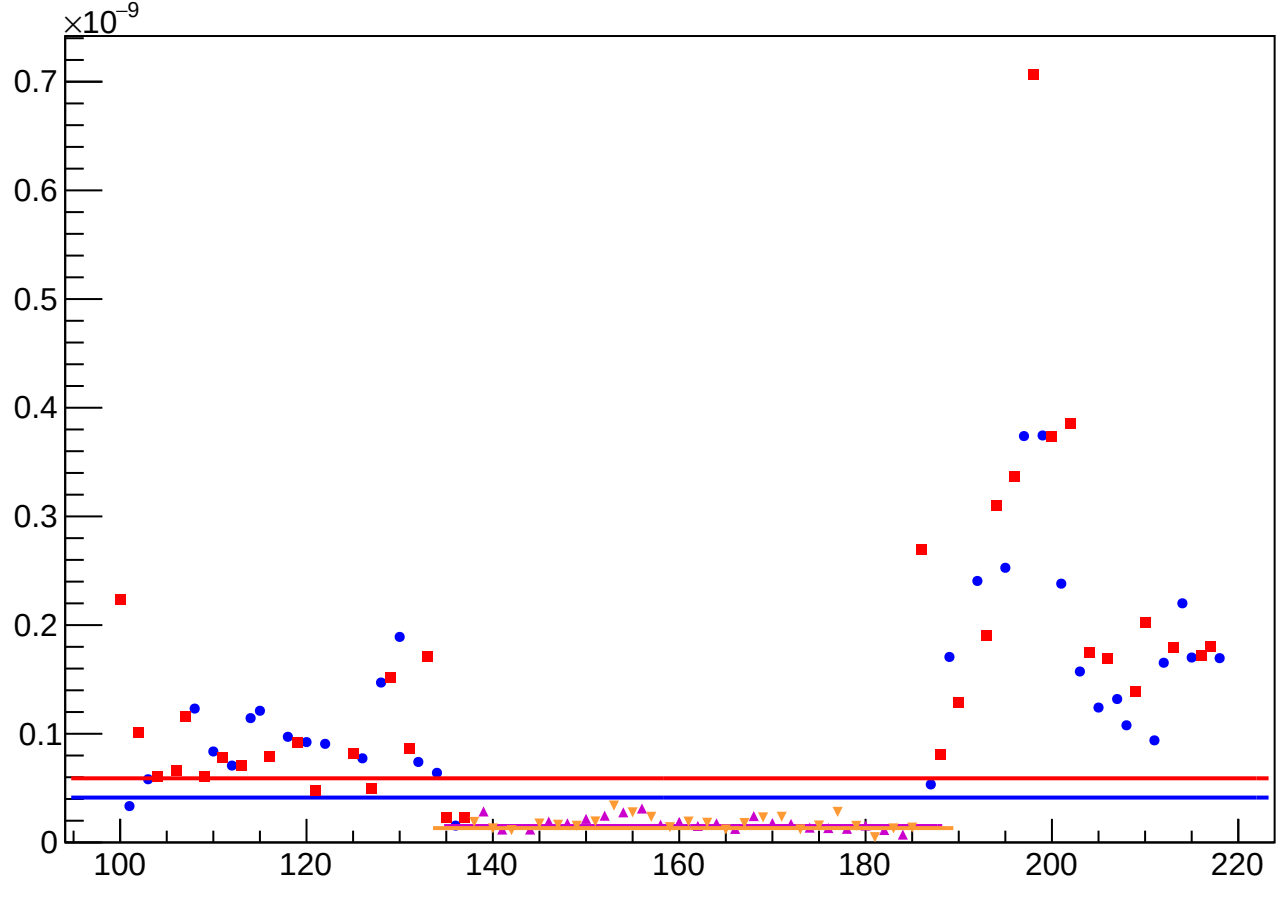
Right: 0.000+/-0.000 χ^2/NDF: 72.7/65

In: 0.000+/-0.000 χ^2/NDF:68.4/54

Out: 0.000+/-0.000 χ^2/NDF:45.7/57

All: 0.000+/-0.000 χ^2/NDF: 114.4/112

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: 11447966.8/33

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

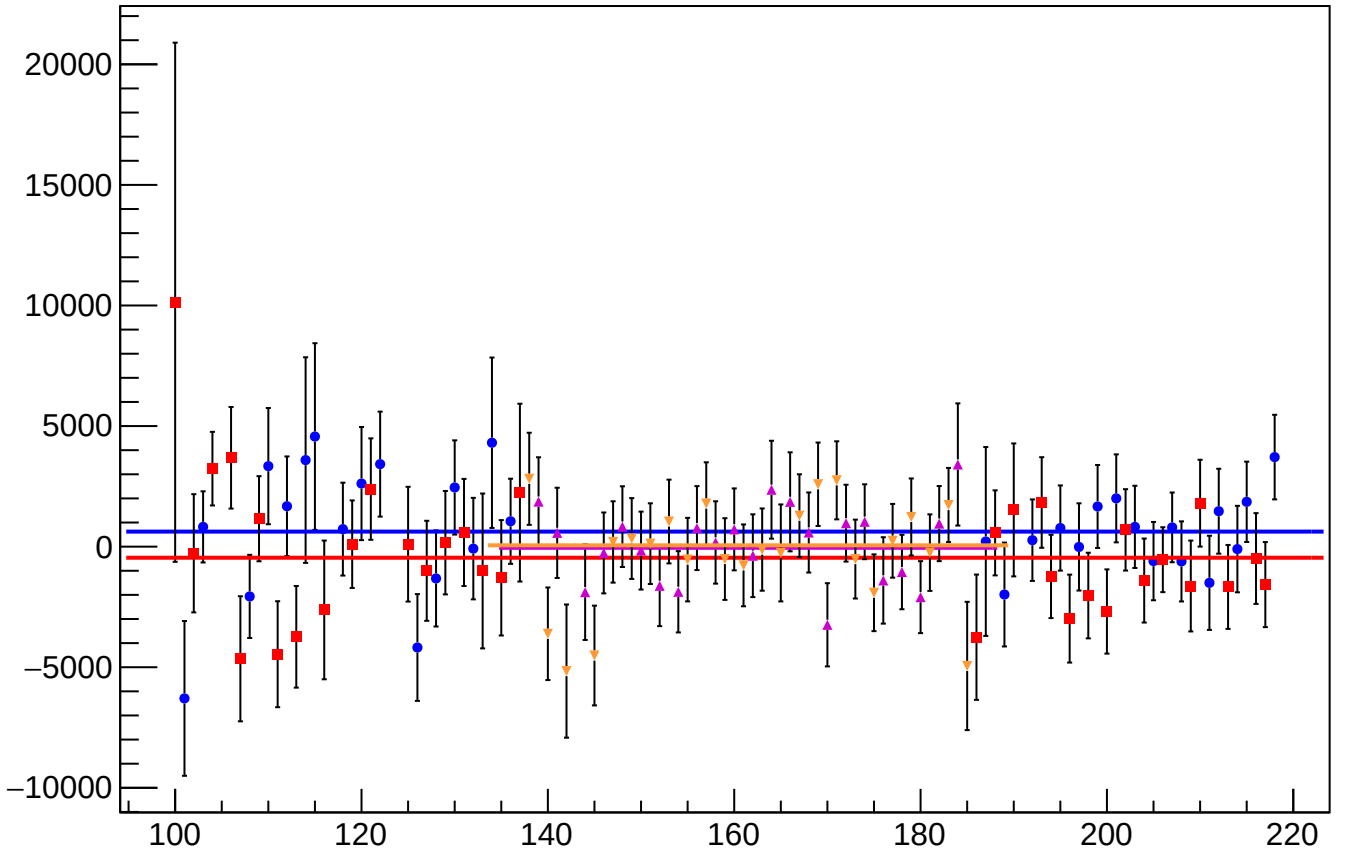
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

Right: 0.000+/-0.000 χ^2/NDF: 25445812.1/65

In: 0.000+/-0.000 χ^2/NDF:19255485.4/54

Out: 0.000+/-0.000 χ^2/NDF:23215127.6/57

All: 0.000+/-0.000 χ^2/NDF: 42669687.7/112



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: -459.435+/-343.391 χ^2/NDF: 35.6/33

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

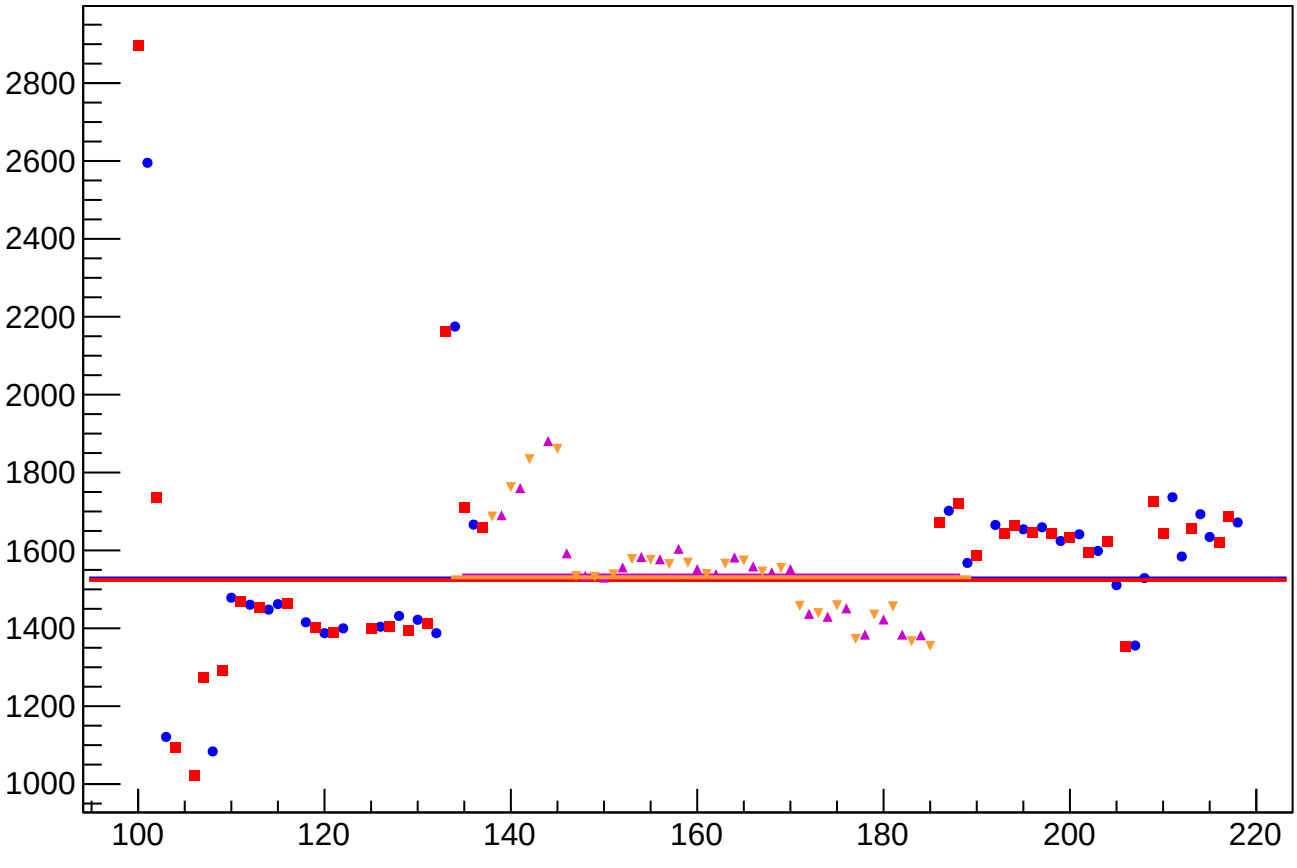
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 82.044+/-242.884 χ^2/NDF: 69.9/65

In: 303.219+/-248.398 χ^2/NDF:47.9/54

Out: -211.870+/-247.277 χ^2/NDF:65.1/57

All: 44.510+/-175.246 χ^2/NDF: 115.2/112



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: 1524.191+/-0.243 χ^2/NDF: 701038.0/33

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

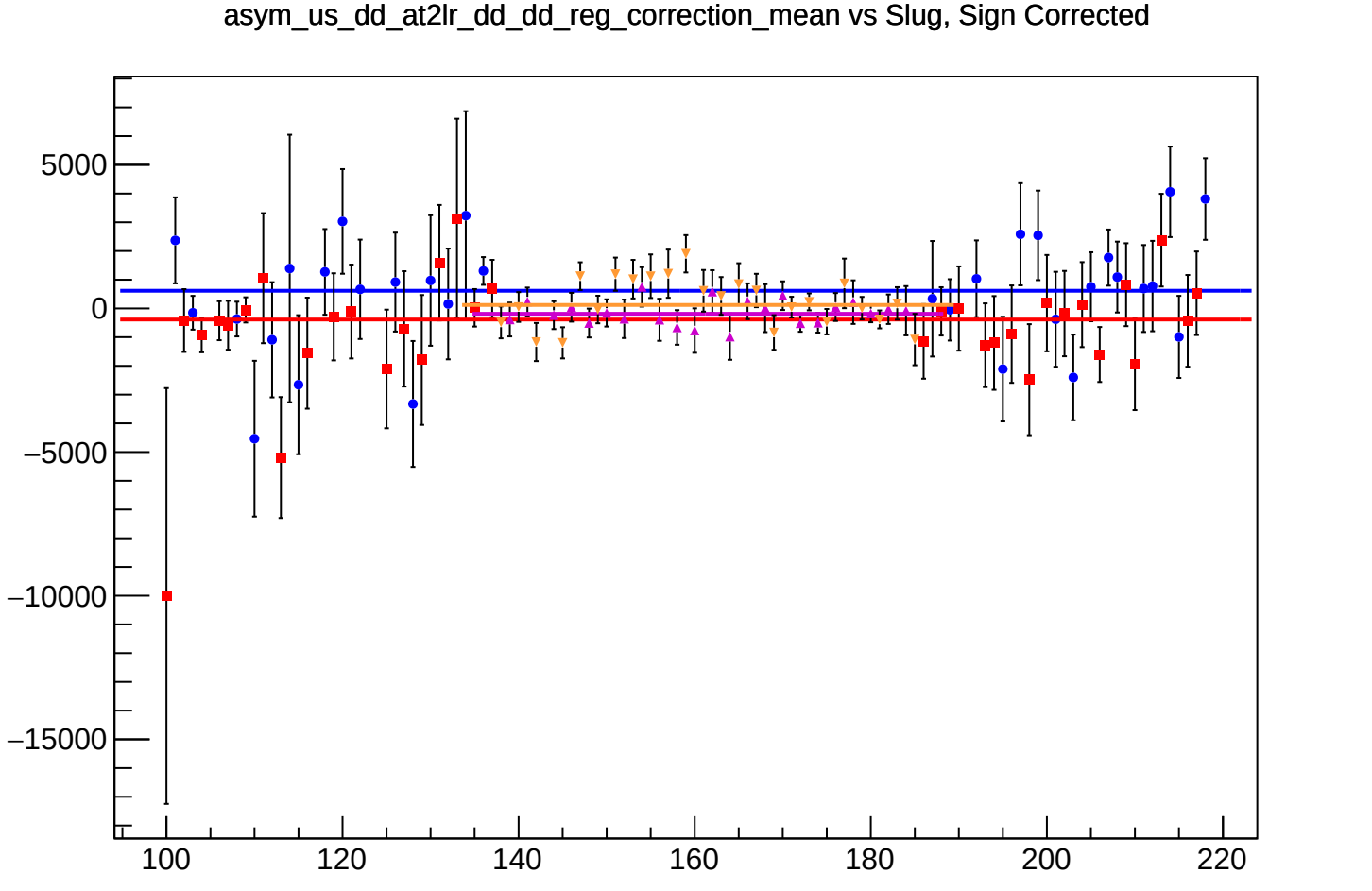
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1526.017+/-0.172 χ^2/NDF: 1485779.7/65

In: 1531.523+/-0.176 χ^2/NDF:977541.5/54

Out: 1527.458+/-0.175 χ^2/NDF:904953.6/57

All: 1529.481+/-0.124 χ^2/NDF: 1882764.2/11



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: -386.413+/-193.458 χ^2/NDF: 23.2/33

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

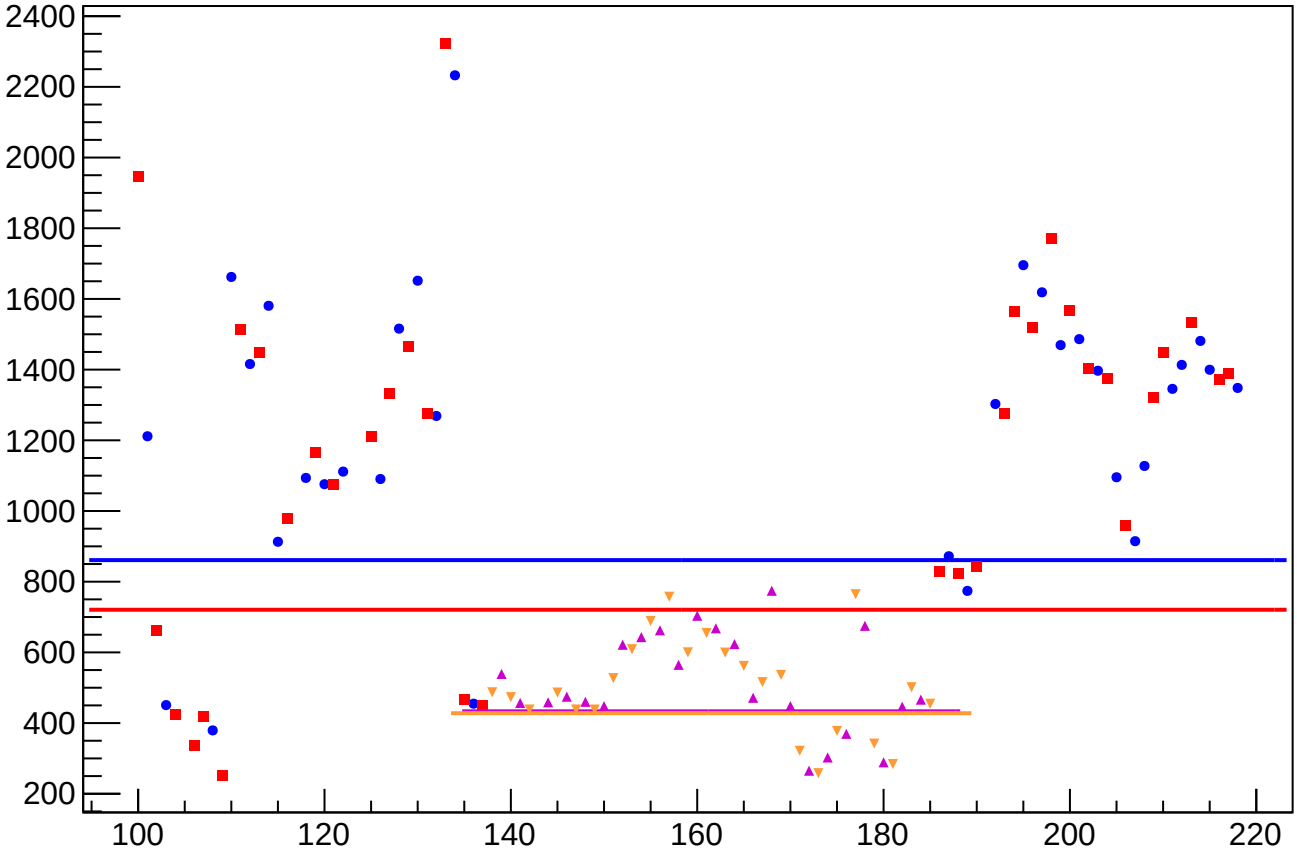
Right: 58.009+/-144.326 χ^2/NDF: 77.5/65

In: -29.595+/-95.927 χ^2/NDF:65.0/54

Out: 5.689+/-92.324 χ^2/NDF:72.2/57

All: -11.278+/-66.520 χ^2/NDF: 137.3/112

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: 720.635+/-0.137 χ^2/NDF: 11481056.2/33

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

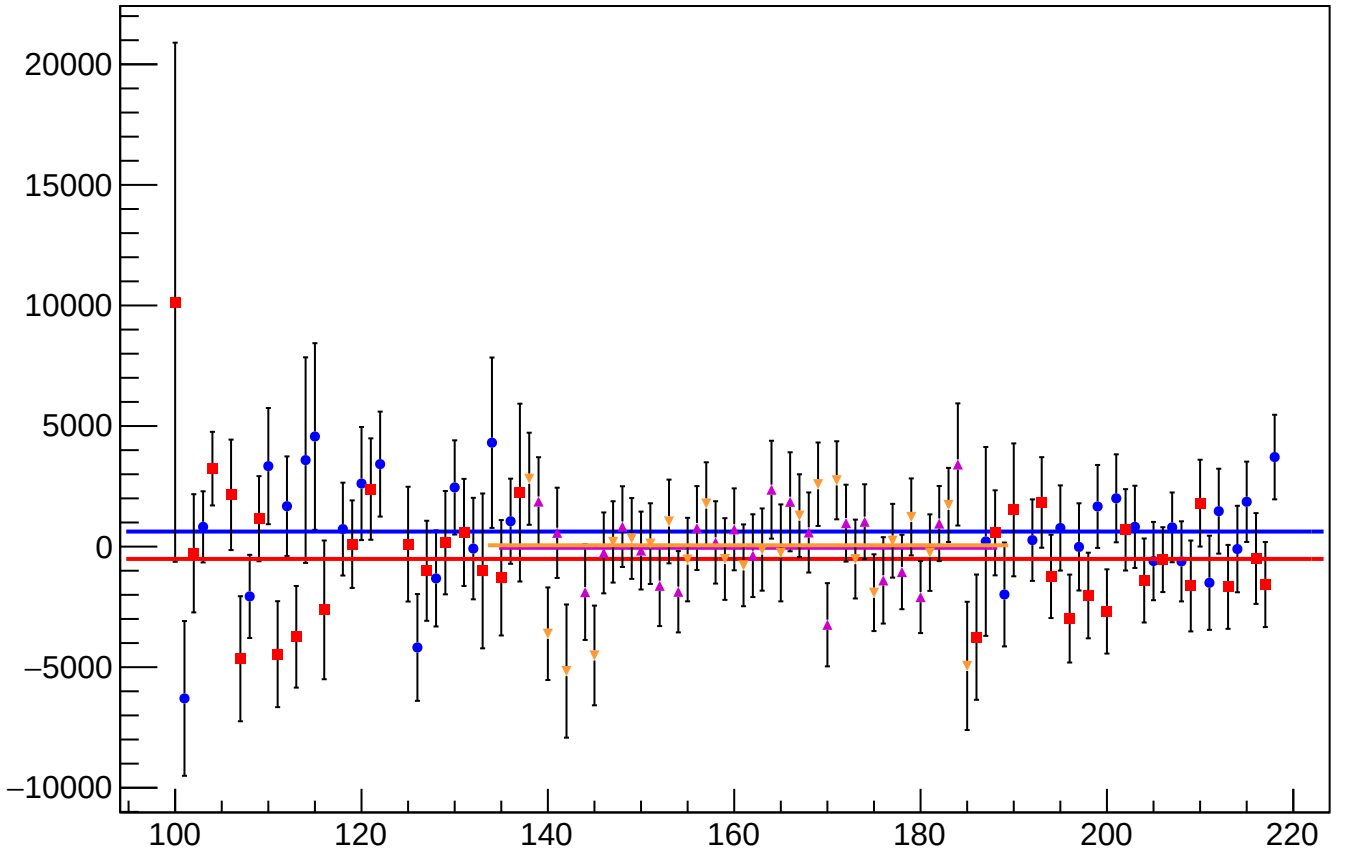
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 782.892+/-0.102 χ^2/NDF: 20360424.2/65

In: 517.077+/-0.068 χ^2/NDF:17924419.6/54

Out: 494.504+/-0.065 χ^2/NDF:18207703.9/57

All: 505.359+/-0.047 χ^2/NDF: 36189613.4/11



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: -511.389+/-344.100 χ^2/NDF: 33.0/33

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

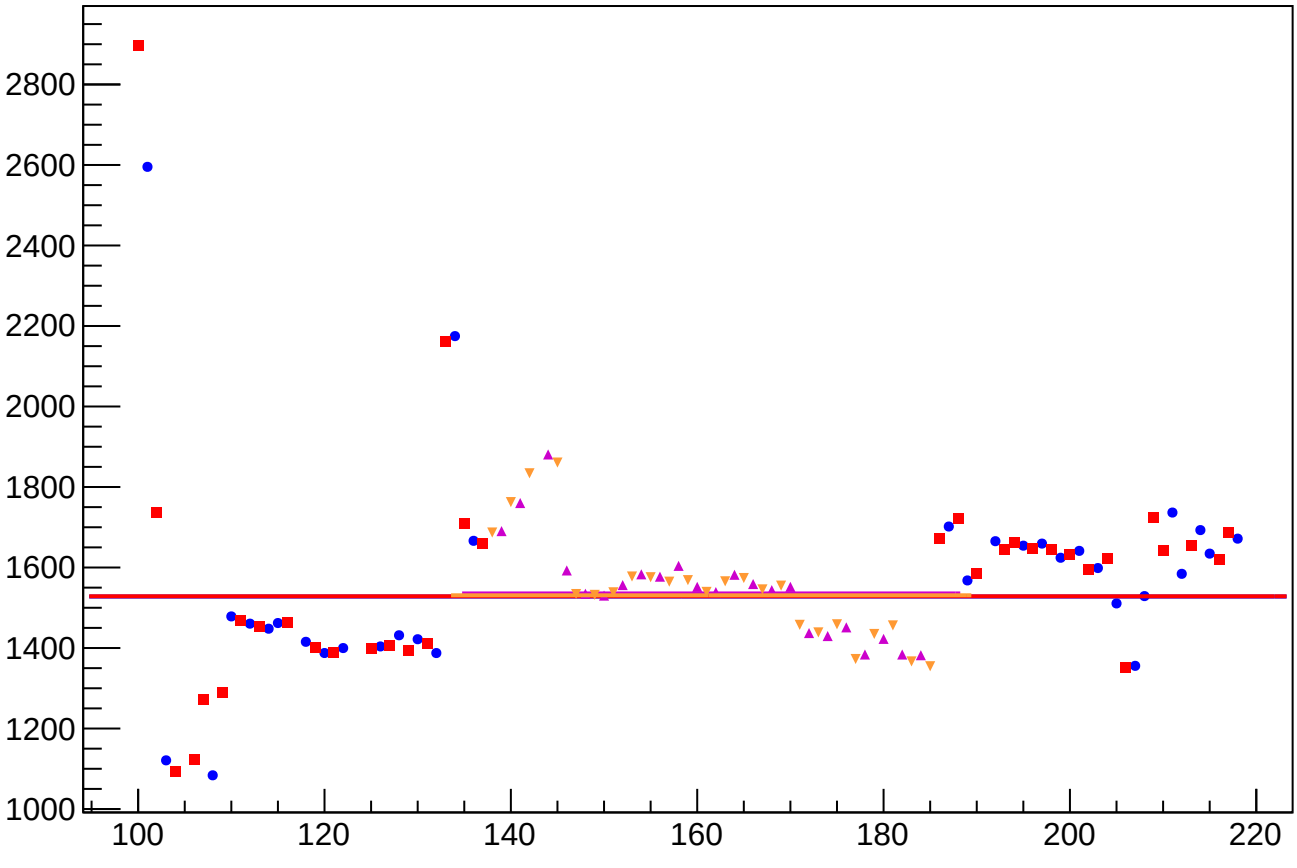
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 57.241+/-243.134 χ^2/NDF: 67.8/65

In: 303.201+/-248.398 χ^2/NDF:47.9/54

Out: -238.245+/-247.541 χ^2/NDF:62.8/57

All: 31.542+/-175.340 χ^2/NDF: 113.1/112



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: 1528.503+/-0.243 χ^2/NDF: 648991.4/33

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

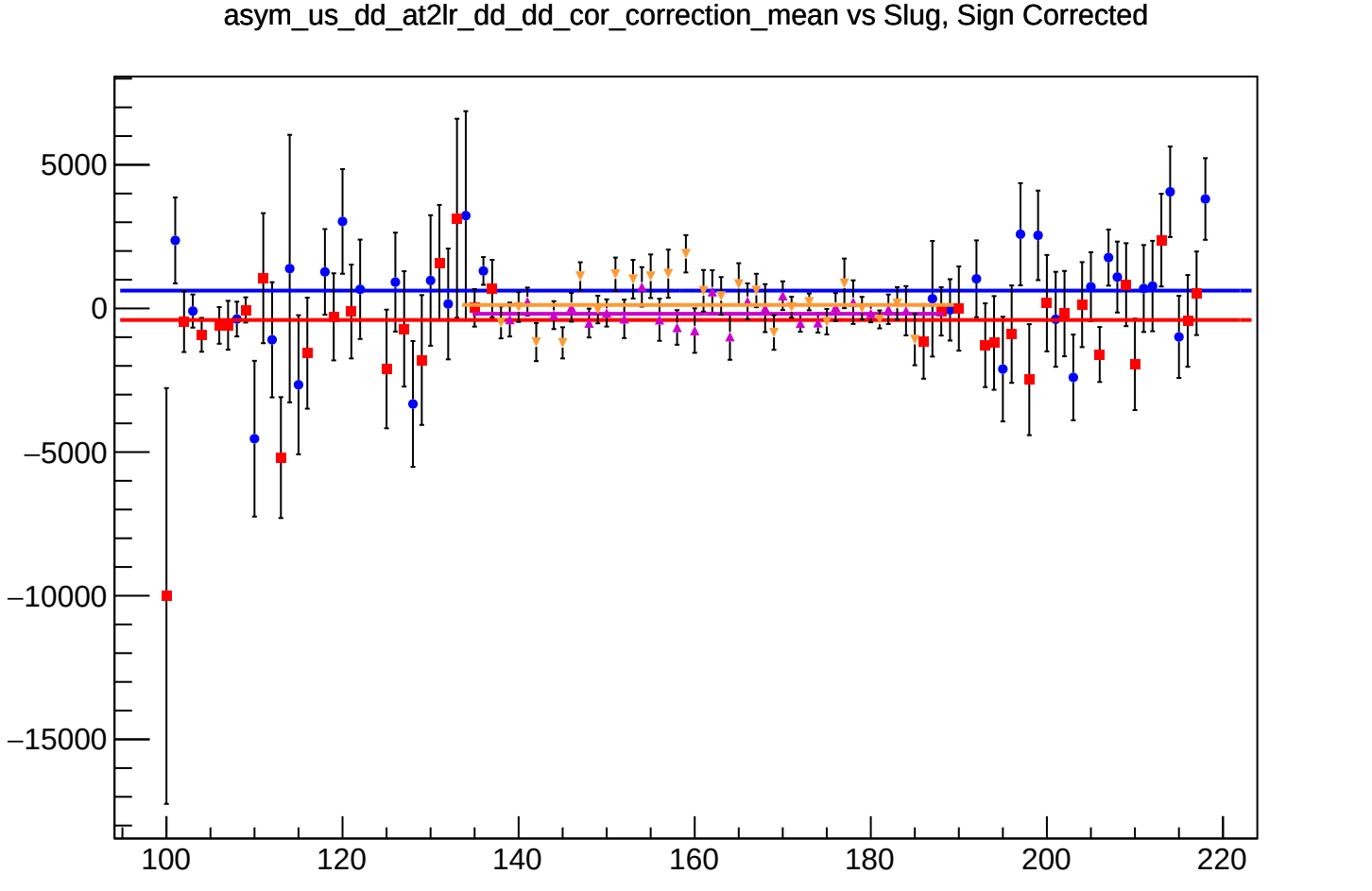
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1528.173+/-0.172 χ^2/NDF: 1433624.0/65

In: 1531.523+/-0.176 χ^2/NDF:977541.9/54

Out: 1529.696+/-0.175 χ^2/NDF:852581.0/57

All: 1530.606+/-0.124 χ^2/NDF: 1830177.2/11



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: -402.387+/-192.096 χ^2/NDF: 23.3/33

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

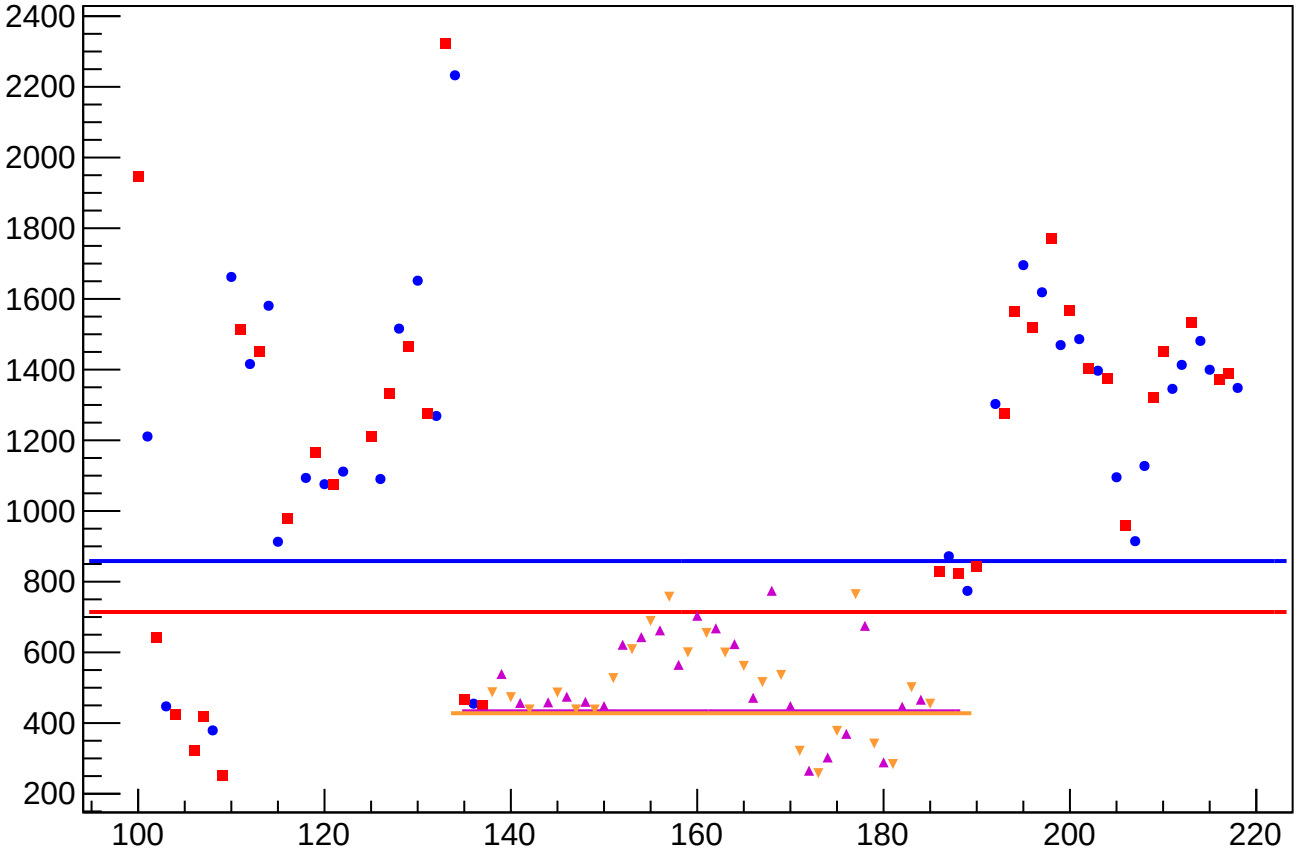
Right: 48.844+/-143.590 χ^2/NDF: 78.0/65

In: -28.225+/-95.877 χ^2/NDF:65.0/54

Out: 0.742+/-92.175 χ^2/NDF:72.7/57

All: -13.171+/-66.448 χ^2/NDF: 137.7/112

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: 714.197+/-0.136 χ^2/NDF: 11624956.3/33

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

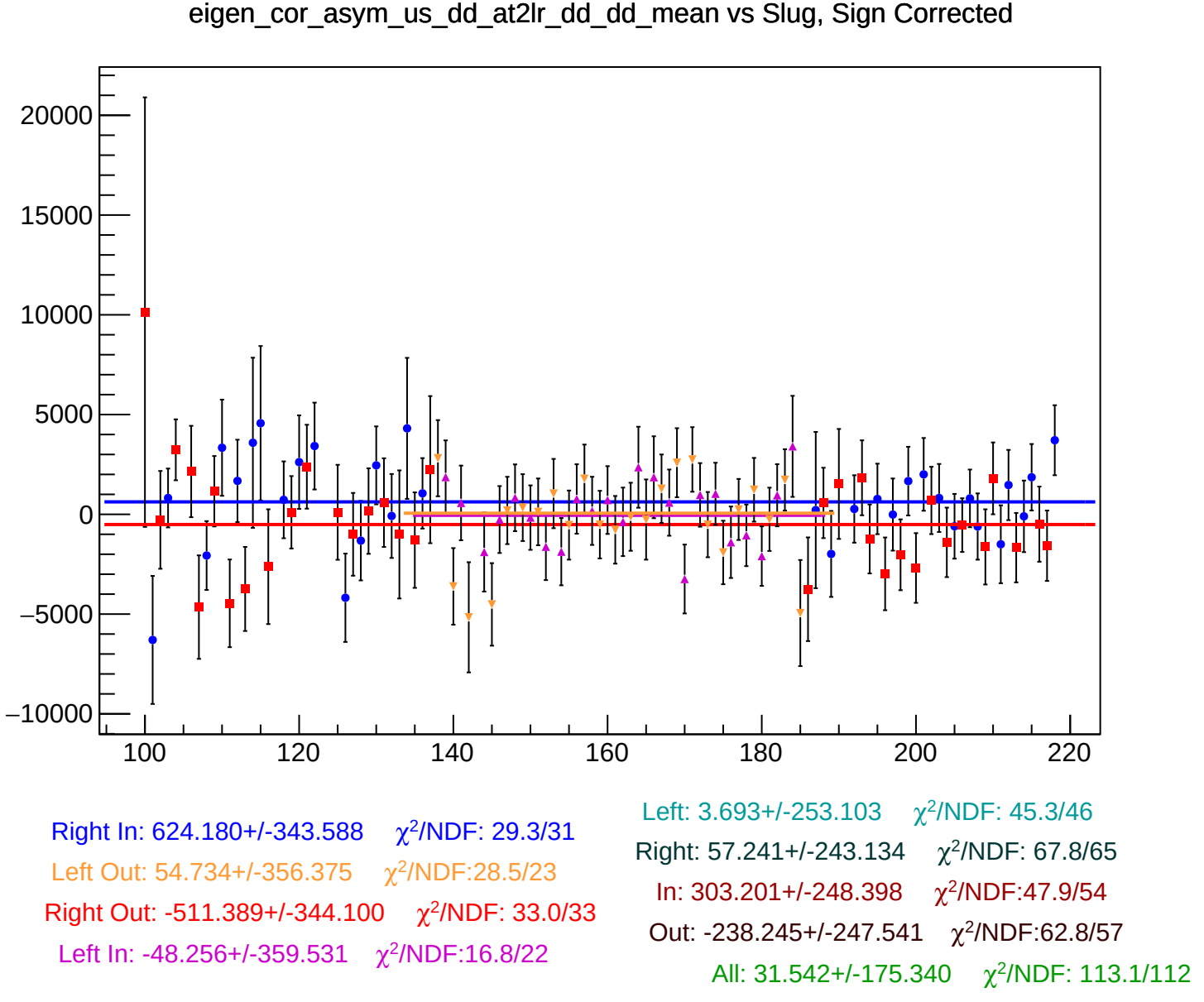
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

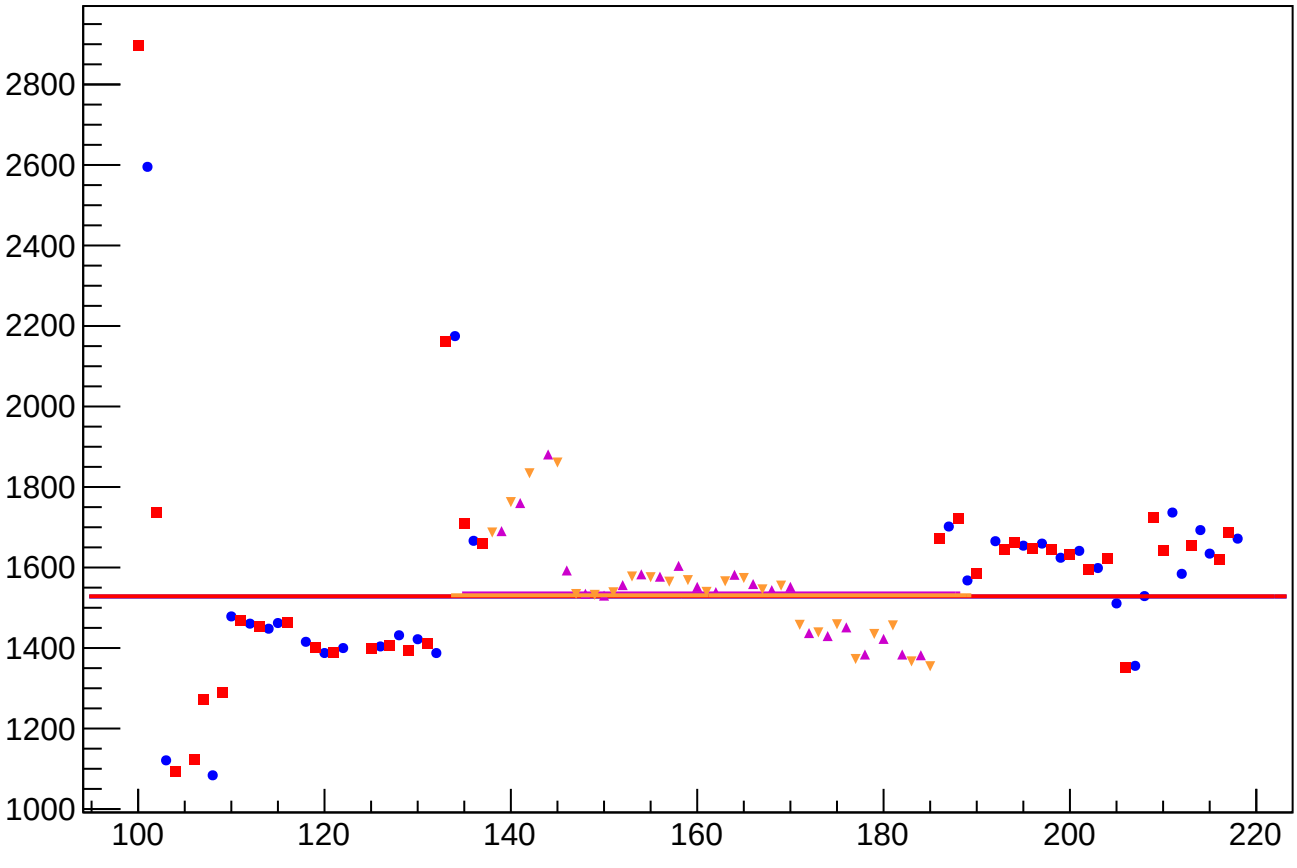
Right: 777.812+/-0.102 χ^2/NDF: 20589315.4/65

In: 516.911+/-0.068 χ^2/NDF:17927748.0/54

Out: 493.753+/-0.065 χ^2/NDF:18235045.2/57

All: 504.876+/-0.047 χ^2/NDF: 36223430.0/11


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 624.180+/-343.588 χ²/NDF: 29.3/31
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -511.389+/-344.100 χ²/NDF: 33.0/33
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: 57.241+/-243.134 χ²/NDF: 67.8/65
In: 303.201+/-248.398 χ²/NDF:47.9/54
Out: -238.245+/-247.541 χ²/NDF:62.8/57
All: 31.542+/-175.340 χ²/NDF: 113.1/112



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: 1528.503+/-0.243 χ^2/NDF: 648991.4/33

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

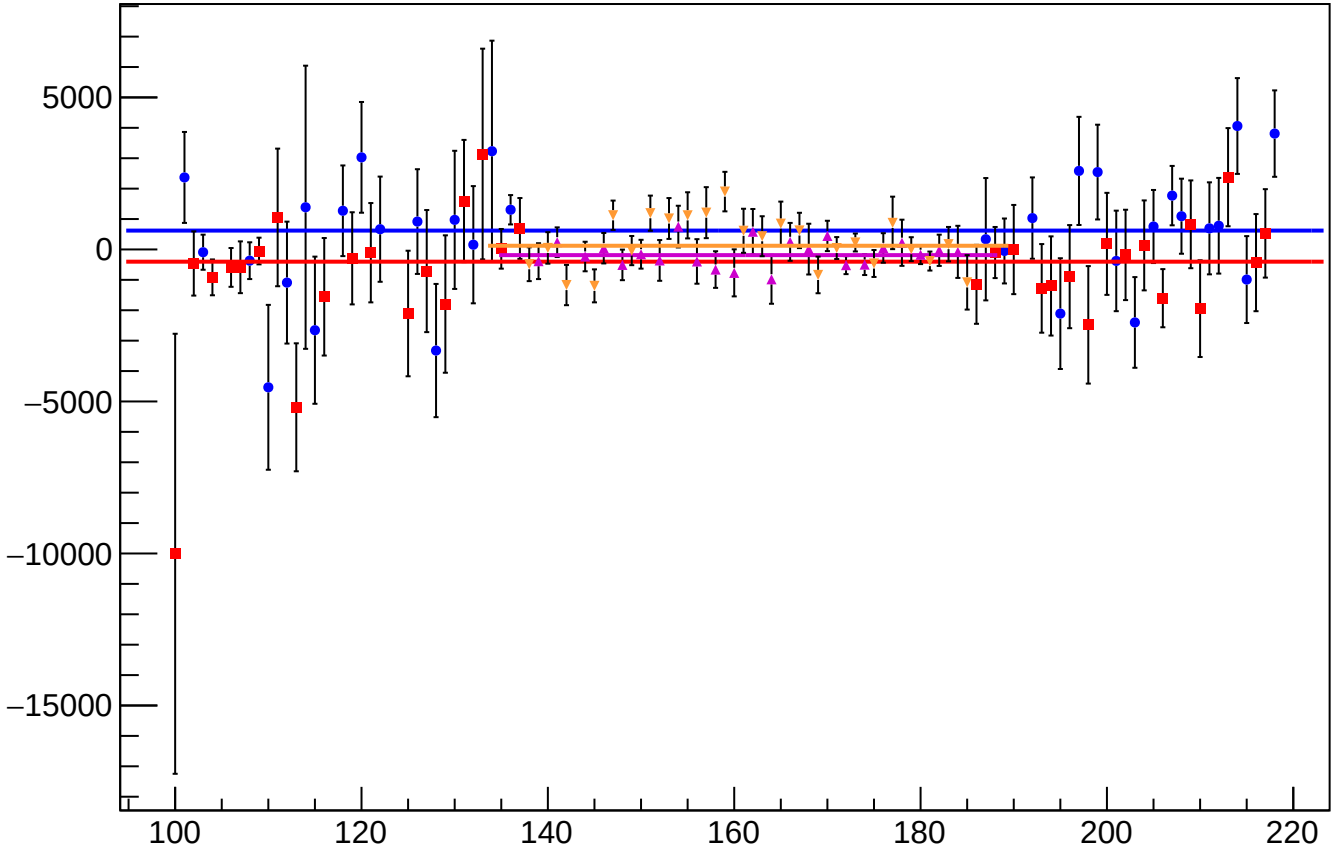
Right: 1528.173+/-0.172 χ^2/NDF: 1433624.0/65

In: 1531.523+/-0.176 χ^2/NDF:977541.9/54

Out: 1529.696+/-0.175 χ^2/NDF:852581.0/57

All: 1530.606+/-0.124 χ^2/NDF: 1830177.2/11

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -402.387+/-192.096 χ^2/NDF: 23.3/33

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

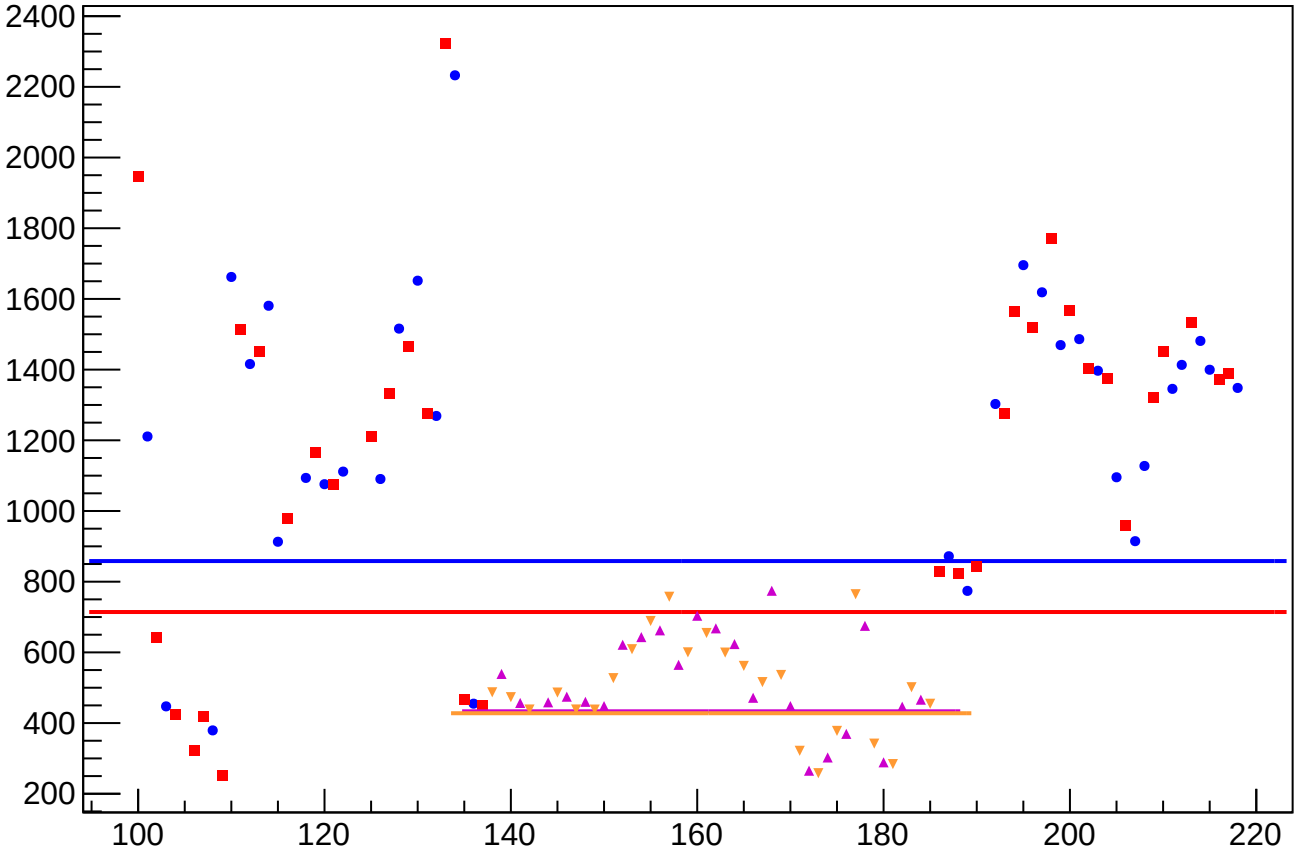
Right: 48.844+/-143.590 χ^2/NDF: 78.0/65

In: -28.225+/-95.877 χ^2/NDF:65.0/54

Out: 0.742+/-92.175 χ^2/NDF:72.7/57

All: -13.171+/-66.448 χ^2/NDF: 137.7/112

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: 714.197+/-0.136 χ^2/NDF: 11624956.3/33

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

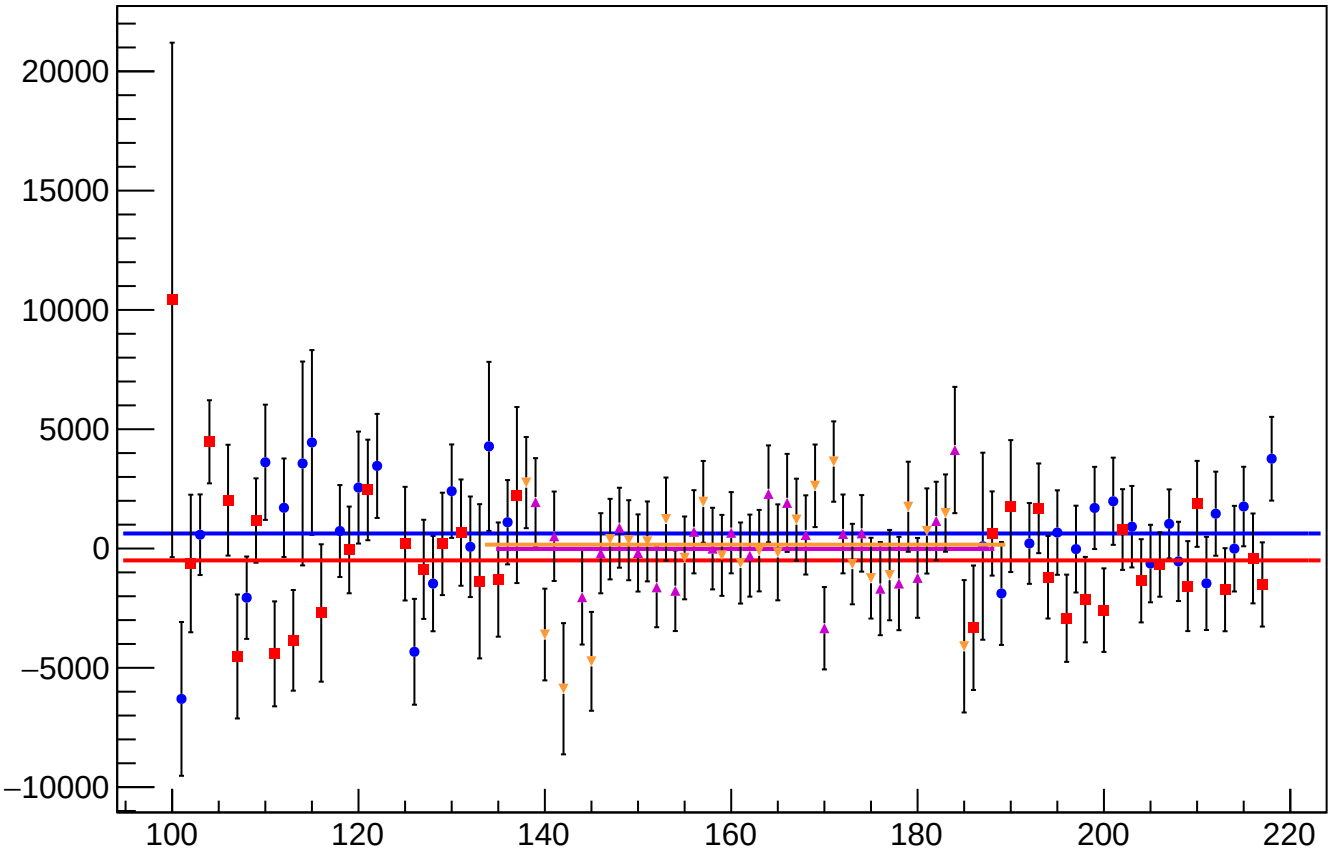
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 777.812+/-0.102 χ^2/NDF: 20589315.4/65

In: 516.911+/-0.068 χ^2/NDF:17927748.0/54

Out: 493.753+/-0.065 χ^2/NDF:18235045.2/57

All: 504.876+/-0.047 χ^2/NDF: 36223430.0/11



Right In: 630.518+/-346.318 χ^2/NDF: 29.6/31

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: -497.658+/-347.835 χ^2/NDF: 34.7/33

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

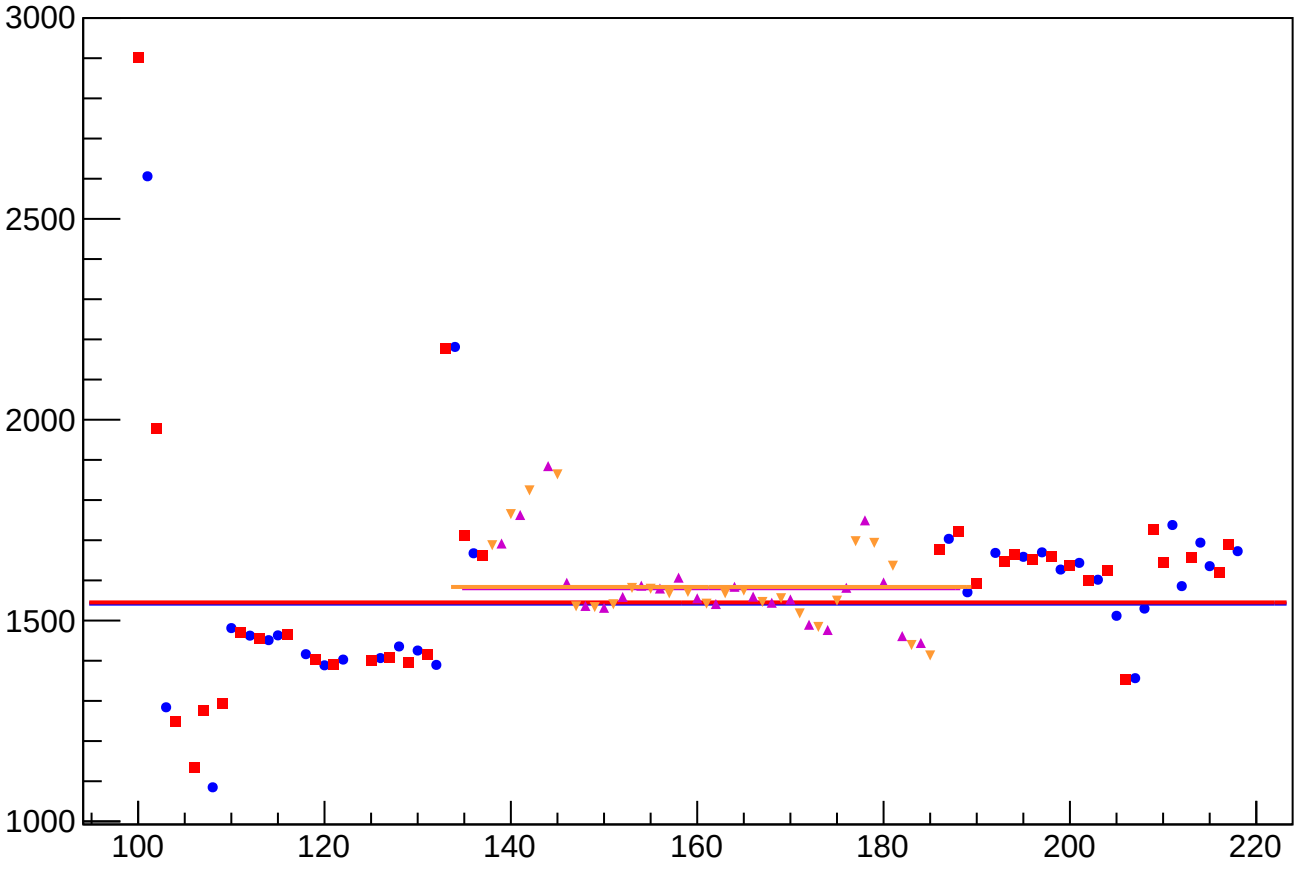
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 68.895+/-245.418 χ^2/NDF: 69.6/65

In: 326.432+/-252.772 χ^2/NDF:47.3/54

Out: -186.916+/-252.903 χ^2/NDF:66.3/57

All: 69.891+/-178.783 χ^2/NDF: 115.6/112



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: 1545.188+/-0.246 χ^2/NDF: 568378.5/33

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

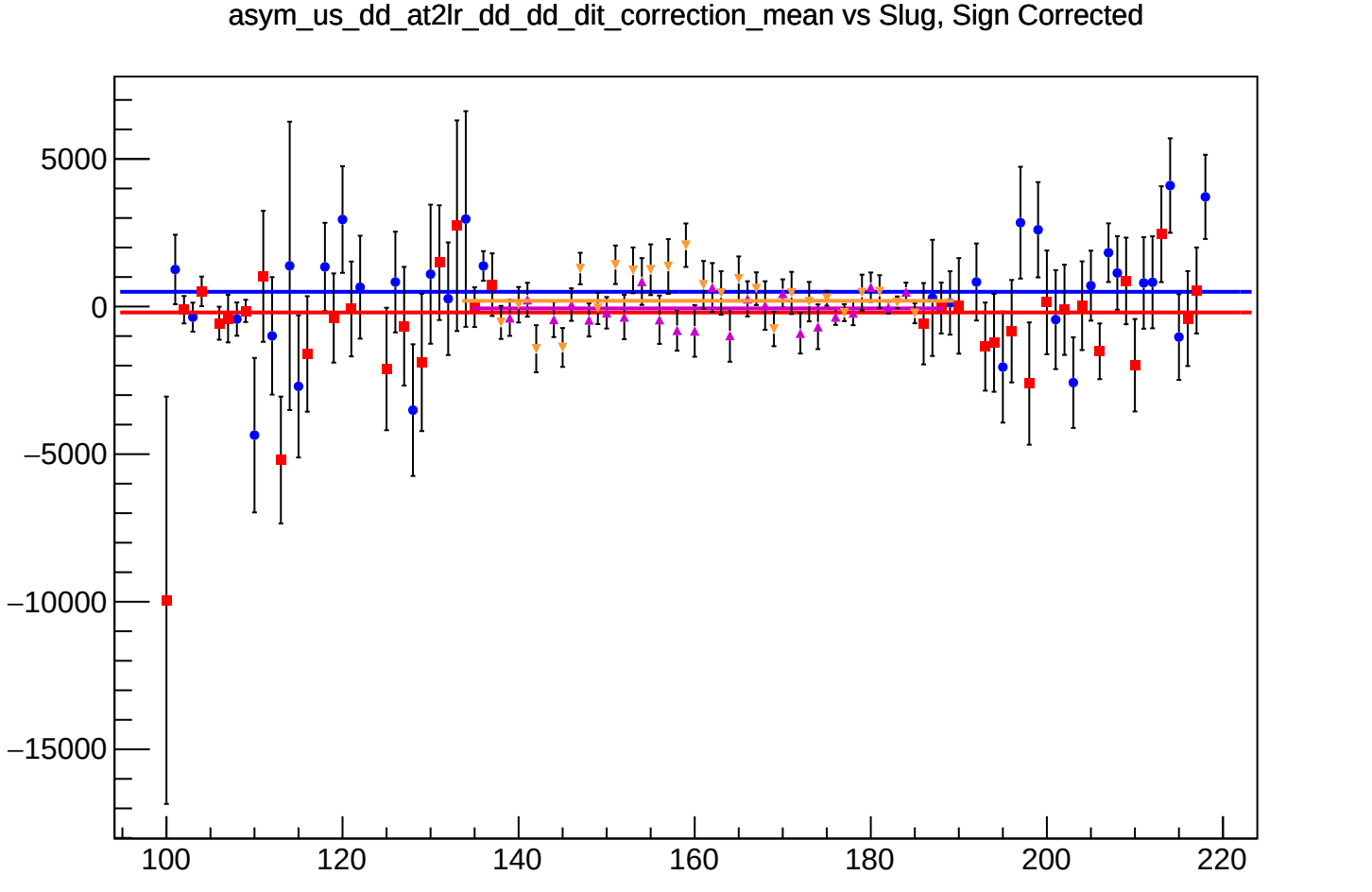
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1543.653+/-0.174 χ^2/NDF: 1244082.6/65

In: 1560.044+/-0.179 χ^2/NDF:812821.3/54

Out: 1563.328+/-0.179 χ^2/NDF:713502.2/57

All: 1561.685+/-0.126 χ^2/NDF: 1526492.3/11



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: -200.203+/-171.230 χ^2/NDF: 23.9/33

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

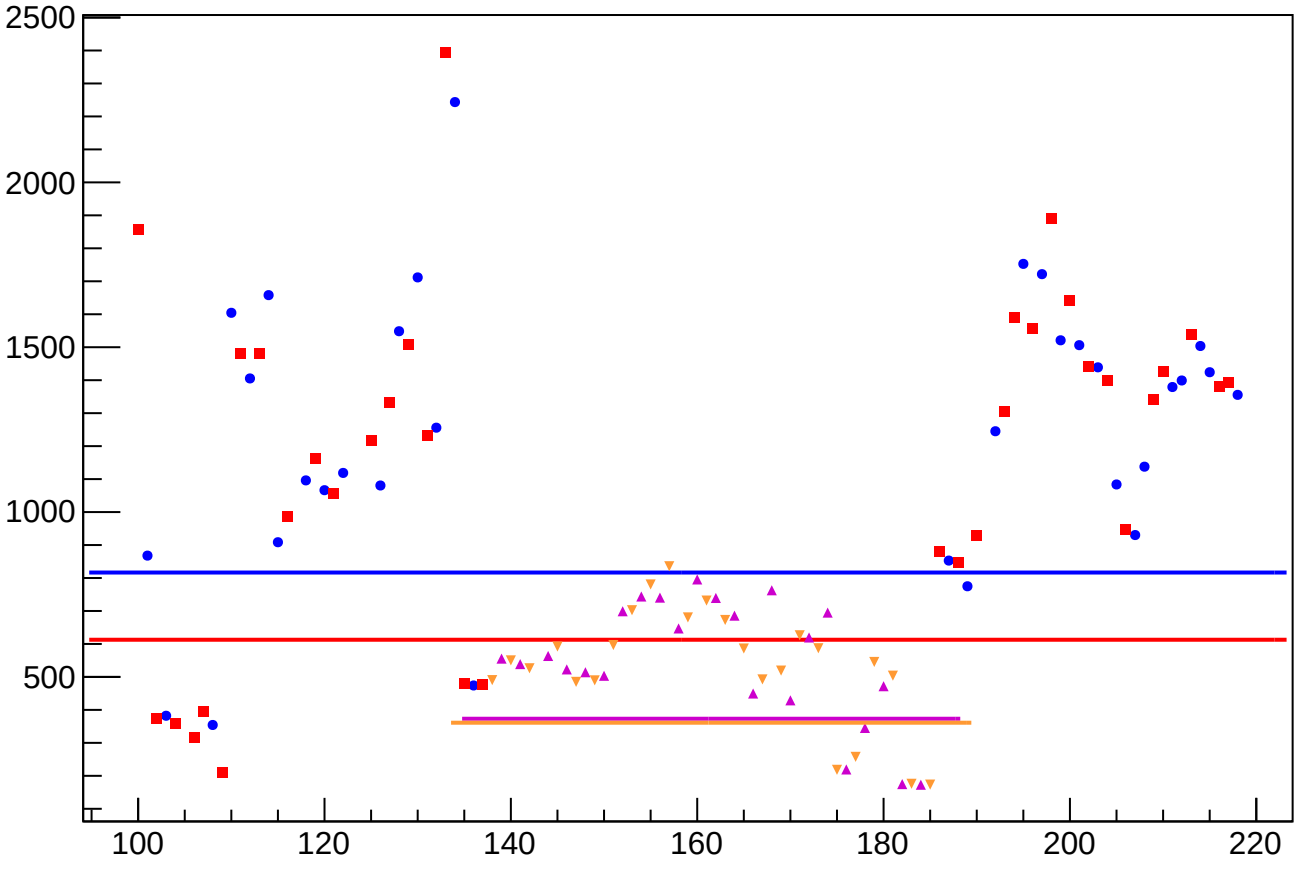
Right: 79.730+/-132.653 χ^2/NDF: 74.6/65

In: 41.412+/-90.061 χ^2/NDF:66.8/54

Out: 99.356+/-83.667 χ^2/NDF:68.0/57

All: 72.514+/-61.297 χ^2/NDF: 135.1/112

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: 612.754+/-0.121 χ^2/NDF: 14308317.8/33

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

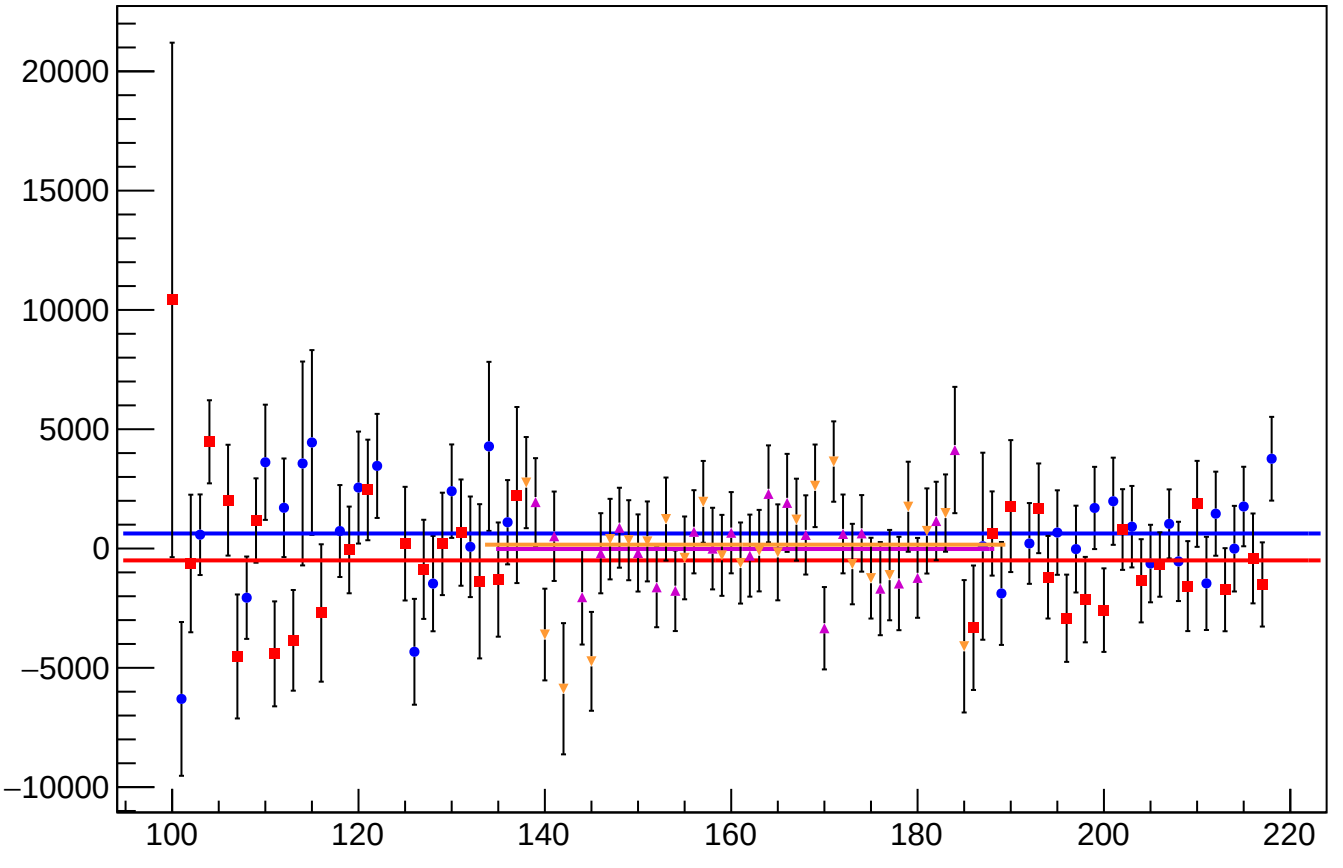
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 694.268+/-0.094 χ^2/NDF: 24856027.5/65

In: 454.873+/-0.064 χ^2/NDF:24912079.4/54

Out: 421.183+/-0.059 χ^2/NDF:25780004.6/57

All: 436.789+/-0.043 χ^2/NDF: 50842306.6/1



Right In: 630.510+/-346.318 χ^2/NDF: 29.6/31

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: -497.656+/-347.835 χ^2/NDF: 34.7/33

Left In: -20.250+/-369.781 χ^2/NDF:16.0/22

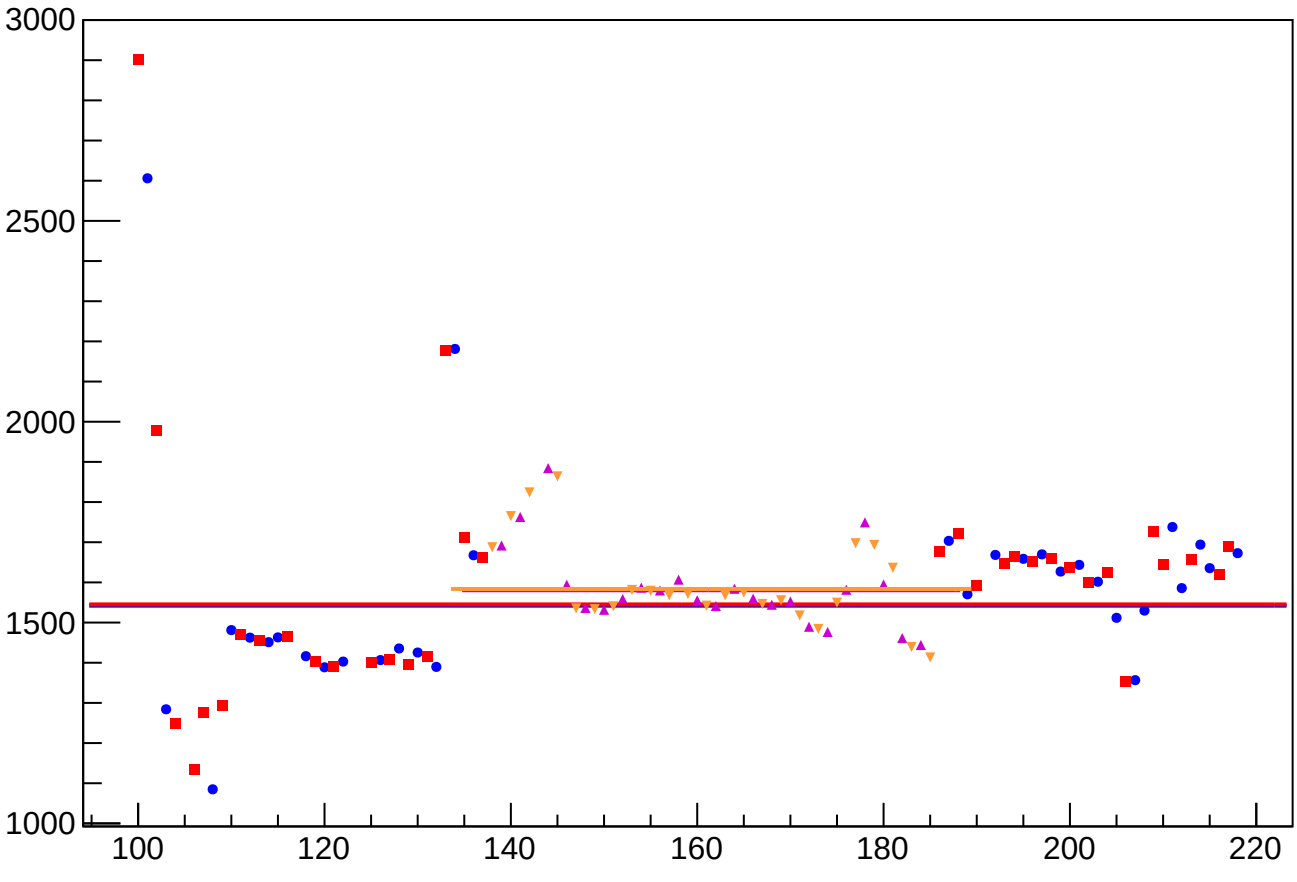
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: 68.891+/-245.418 χ^2/NDF: 69.6/65

In: 326.429+/-252.772 χ^2/NDF:47.3/54

Out: -186.917+/-252.903 χ^2/NDF:66.3/57

All: 69.889+/-178.783 χ^2/NDF: 115.6/112



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: 1545.188+/-0.246 χ^2/NDF: 568378.5/33

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

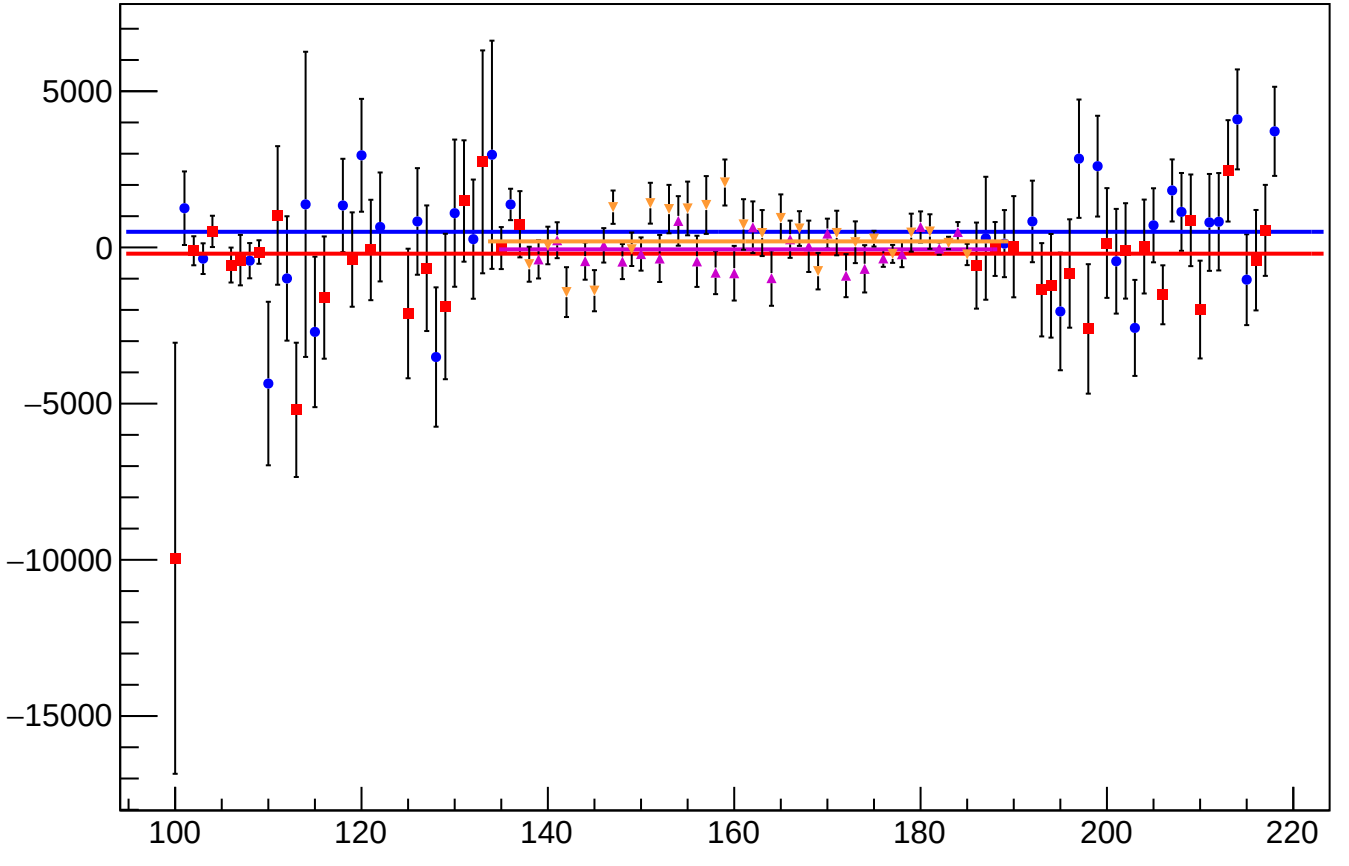
Right: 1543.653+/-0.174 χ^2/NDF: 1244082.1/65

In: 1560.043+/-0.179 χ^2/NDF:812820.7/54

Out: 1563.328+/-0.179 χ^2/NDF:713502.2/57

All: 1561.685+/-0.126 χ^2/NDF: 1526491.7/11

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -200.201+/-171.231 χ^2/NDF: 23.9/33

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

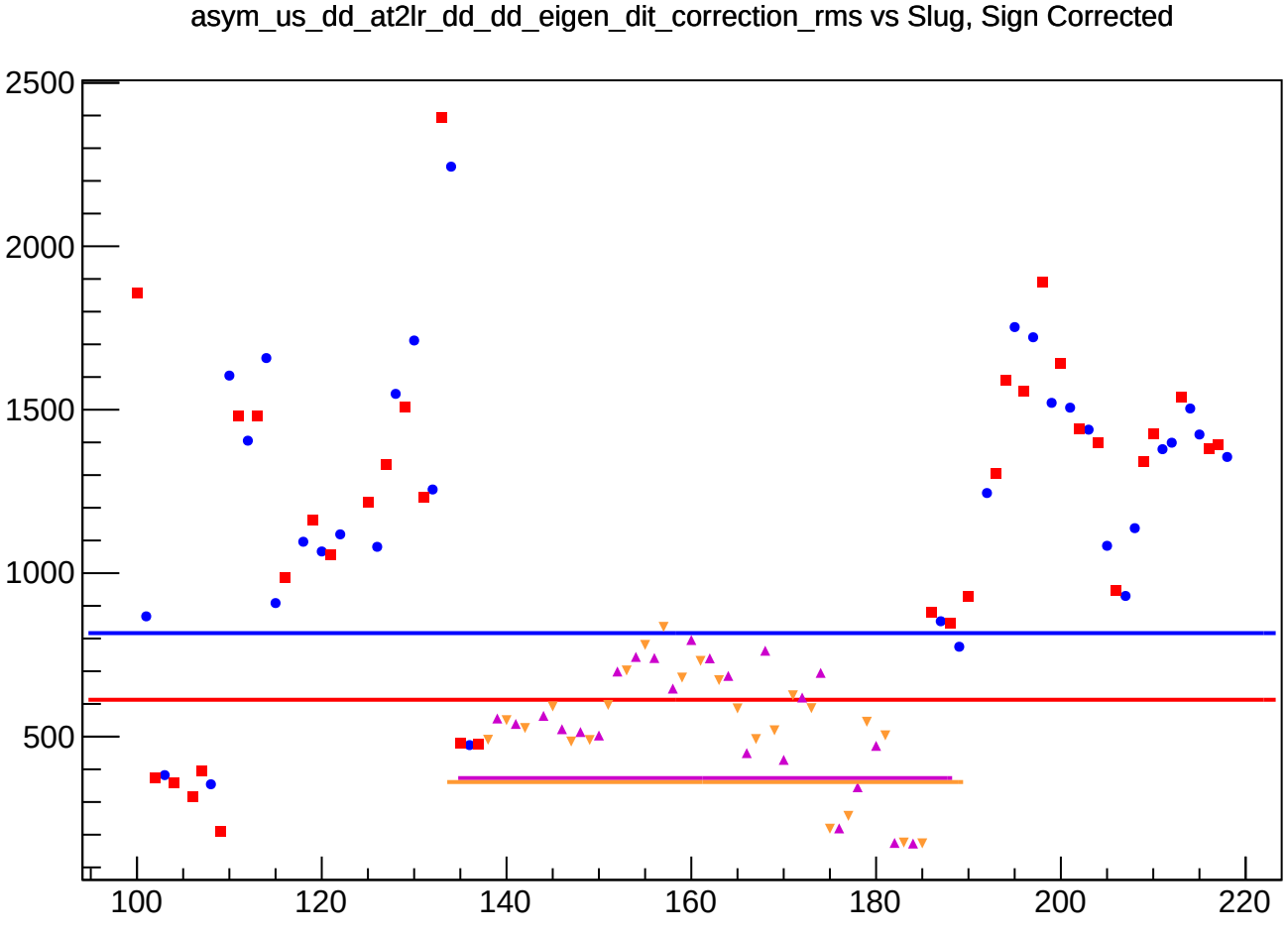
Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

Right: 79.734+/-132.653 χ^2/NDF: 74.6/65

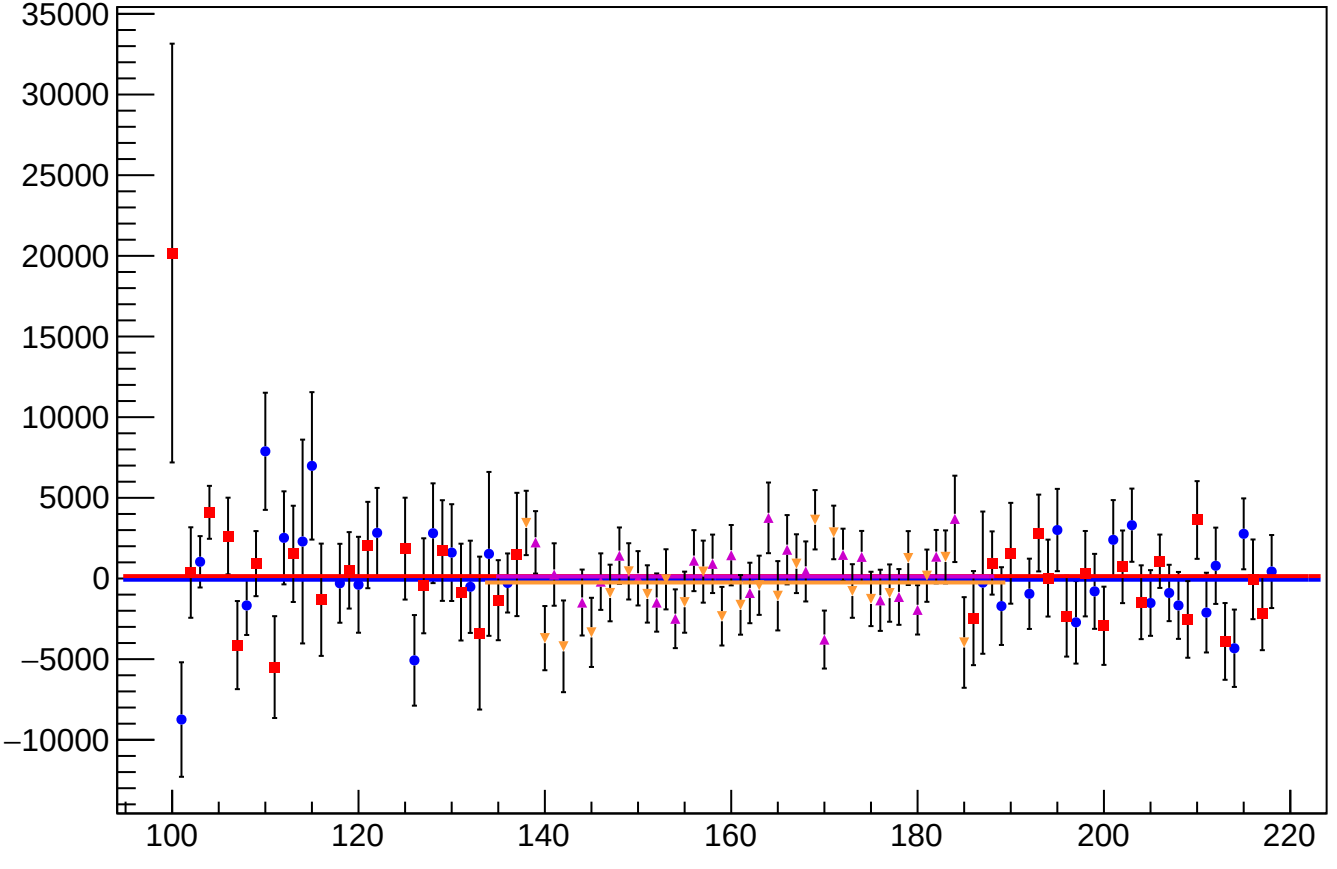
In: 41.415+/-90.061 χ^2/NDF:66.8/54

Out: 99.360+/-83.667 χ^2/NDF:68.0/57

All: 72.517+/-61.298 χ^2/NDF: 135.1/112


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: 612.760+/-0.121 χ²/NDF: 14308128.4/33
Left In: 373.145+/-0.071 χ²/NDF:8207110.6/22
Left: 366.889+/-0.049 χ²/NDF: 16405230.8/46
Right: 694.272+/-0.094 χ²/NDF: 24855741.9/65
In: 454.877+/-0.064 χ²/NDF:24911612.9/54
Out: 421.187+/-0.059 χ²/NDF:25779697.0/57
All: 436.794+/-0.043 χ²/NDF: 50841534.8/1

asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



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: 147.721+/-433.606 χ^2/NDF: 30.9/33

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

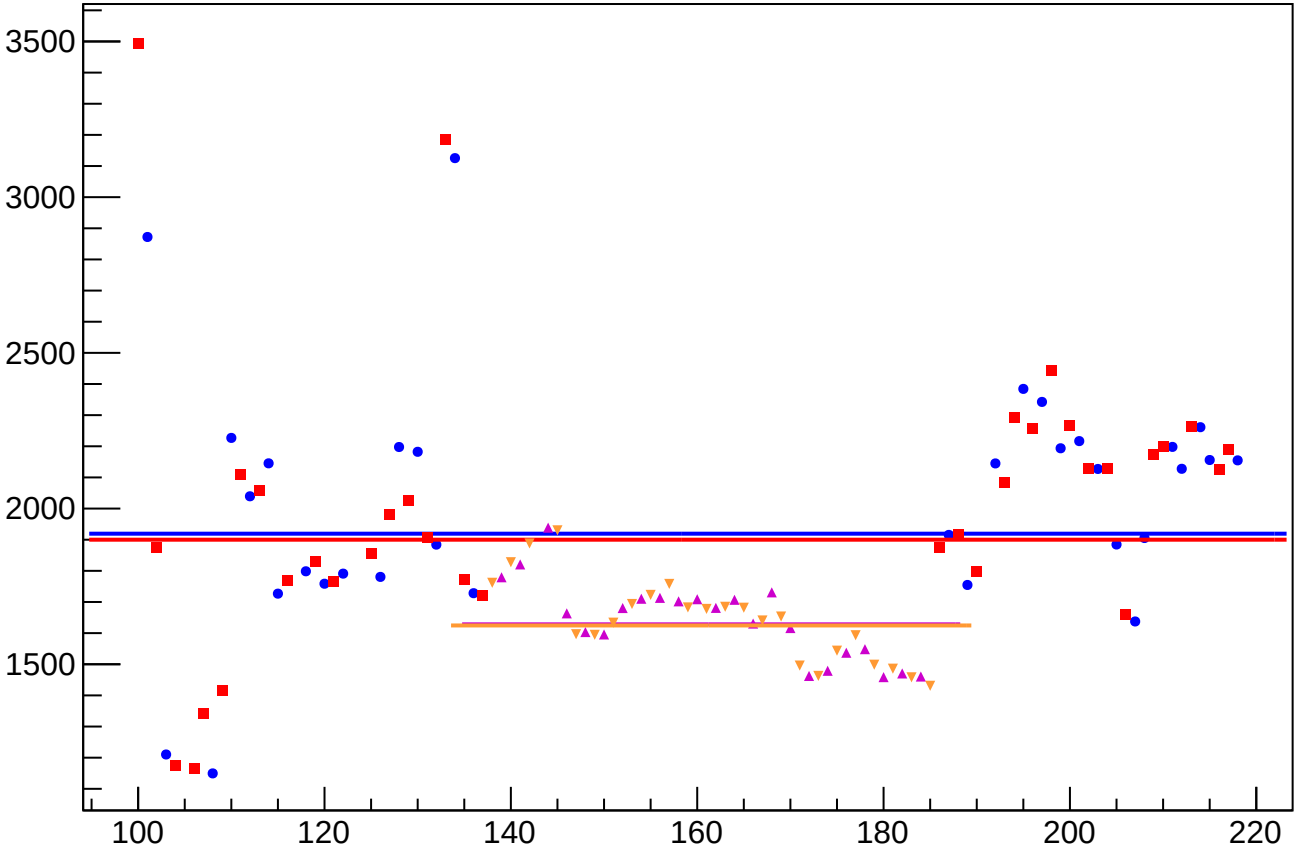
Right: 36.348+/-307.485 χ^2/NDF: 65.5/65

In: 38.411+/-287.055 χ^2/NDF:55.7/54

Out: -76.504+/-285.027 χ^2/NDF:57.4/57

All: -19.454+/-202.258 χ^2/NDF: 113.3/112

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



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: 1900.023+/-0.307 χ^2/NDF: 1470259.3/33

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

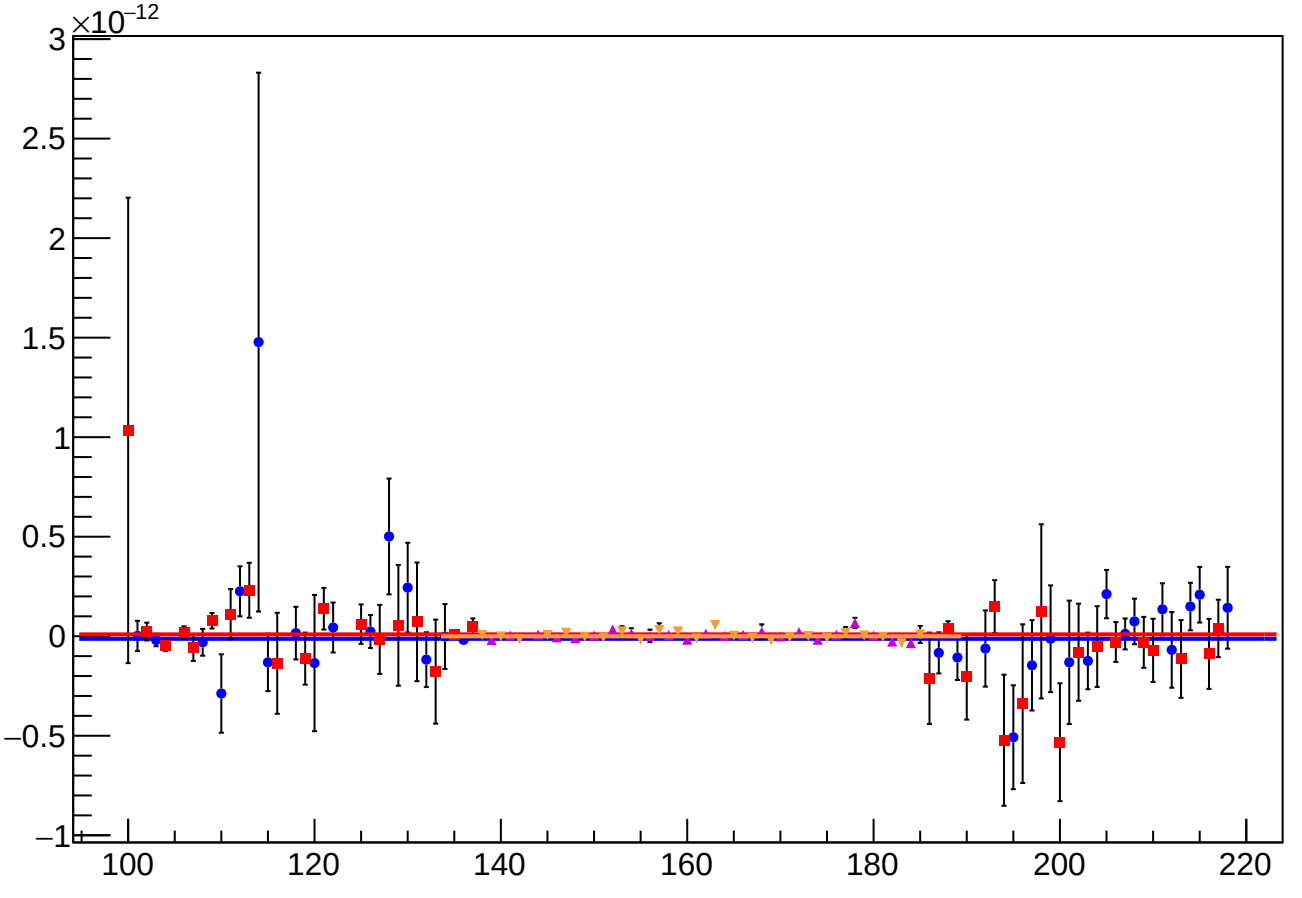
Right: 1909.614+/-0.217 χ^2/NDF: 2982463.6/65

In: 1754.341+/-0.203 χ^2/NDF:2220128.5/54

Out: 1743.618+/-0.202 χ^2/NDF:2135730.4/57

All: 1748.941+/-0.143 χ^2/NDF: 4357264.2/11

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: 28.3/33

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

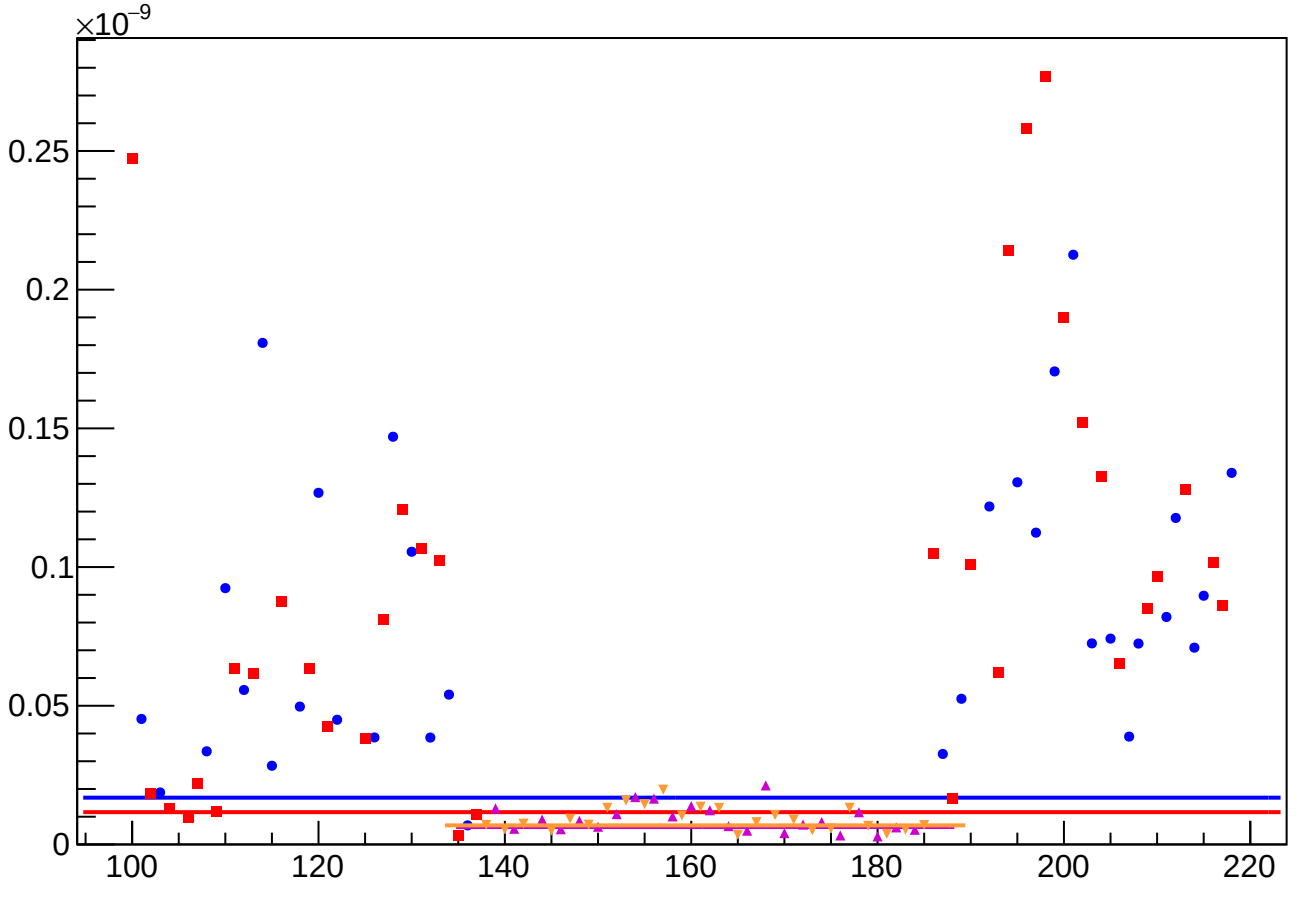
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: 0.000+/-0.000 χ^2/NDF: 61.1/65

In: 0.000+/-0.000 χ^2/NDF:56.1/54

Out: 0.000+/-0.000 χ^2/NDF:52.2/57

All: 0.000+/-0.000 χ^2/NDF: 108.3/112



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: 12731396.0/33

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

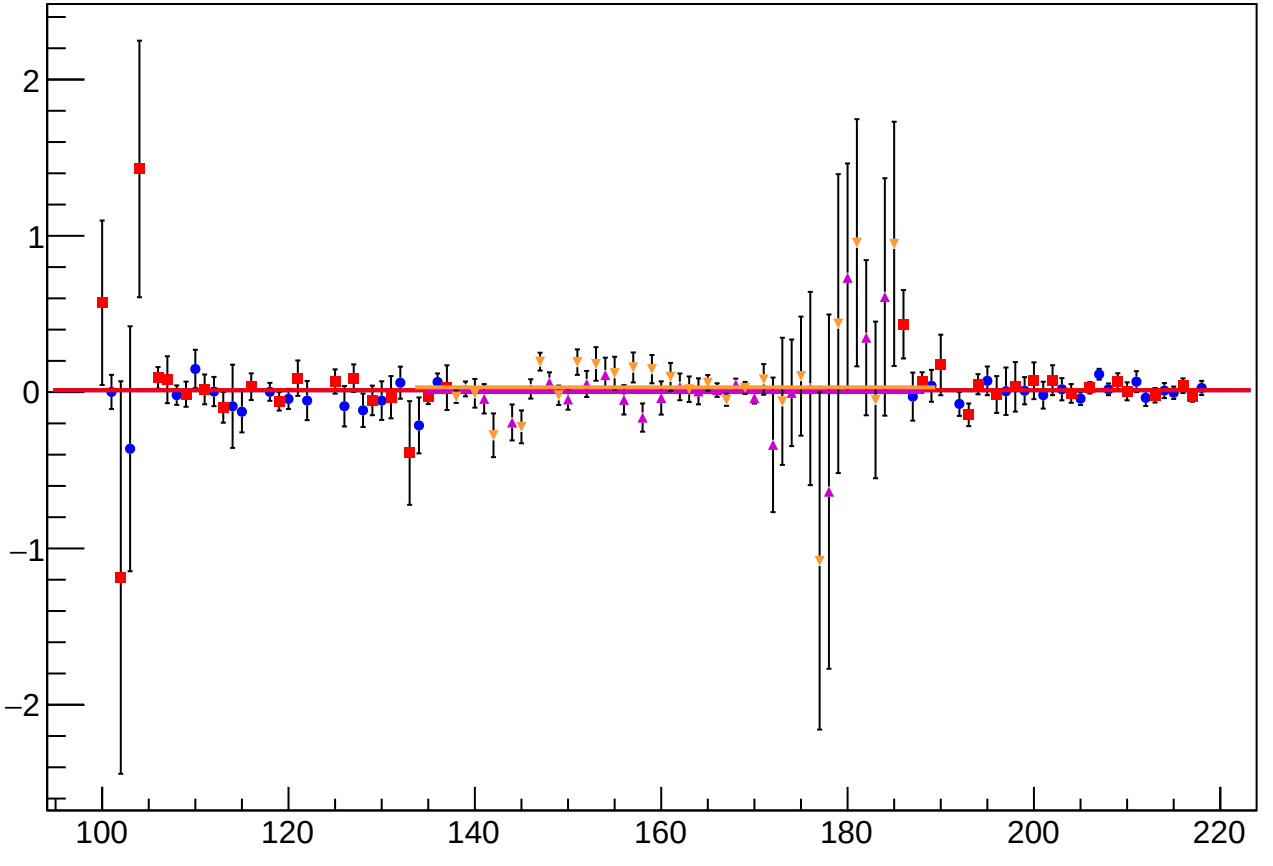
Right: 0.000+/-0.000 χ^2/NDF: 24014511.9/65

In: 0.000+/-0.000 χ^2/NDF:15991771.0/54

Out: 0.000+/-0.000 χ^2/NDF:15570762.6/57

All: 0.000+/-0.000 χ^2/NDF: 31579315.4/112

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: 28.3/33

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

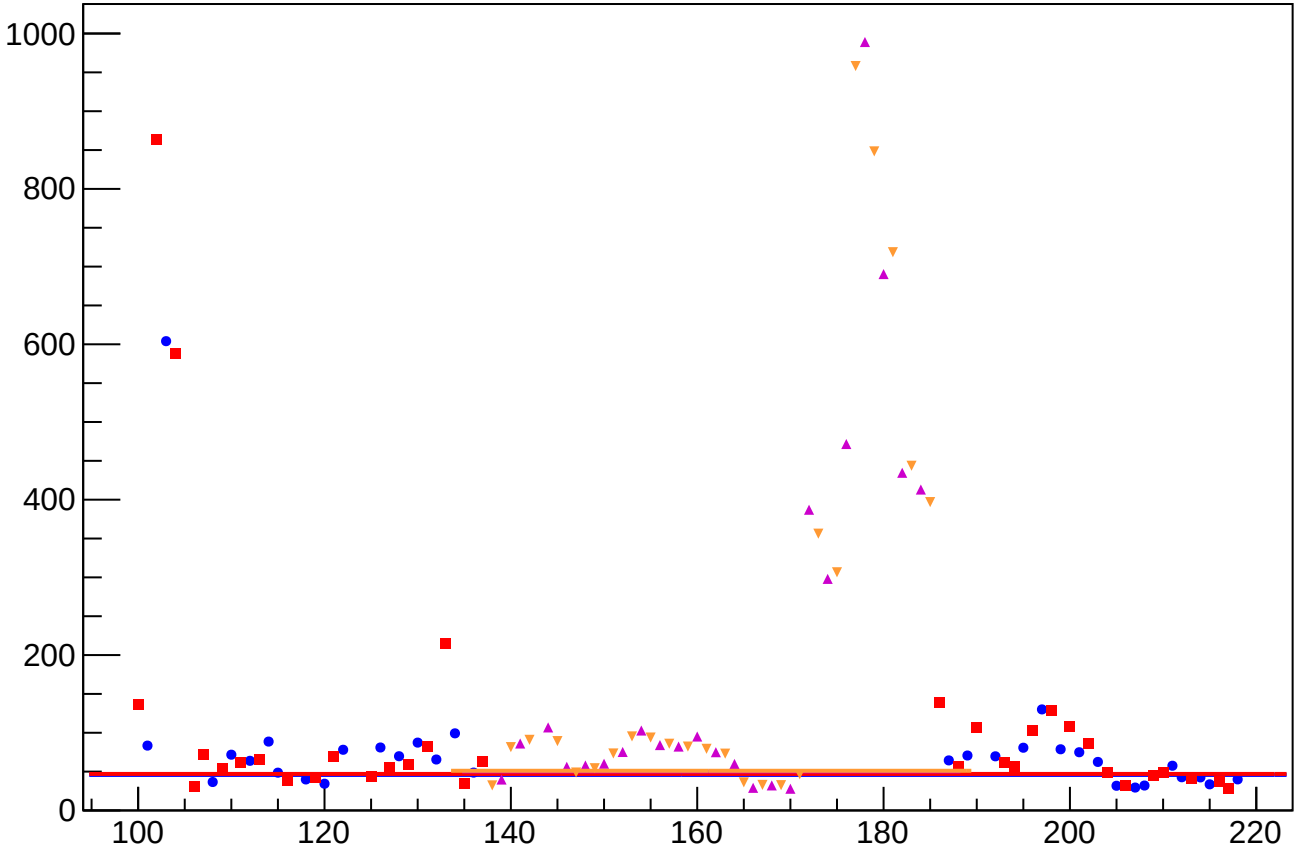
Right: 0.012+/-0.009 χ^2/NDF: 51.7/65

In: 0.008+/-0.009 χ^2/NDF:39.7/54

Out: 0.020+/-0.010 χ^2/NDF:70.7/57

All: 0.013+/-0.007 χ^2/NDF: 111.2/112

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: 47.007+/-0.009 χ^2/NDF: 6601451.2/33

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

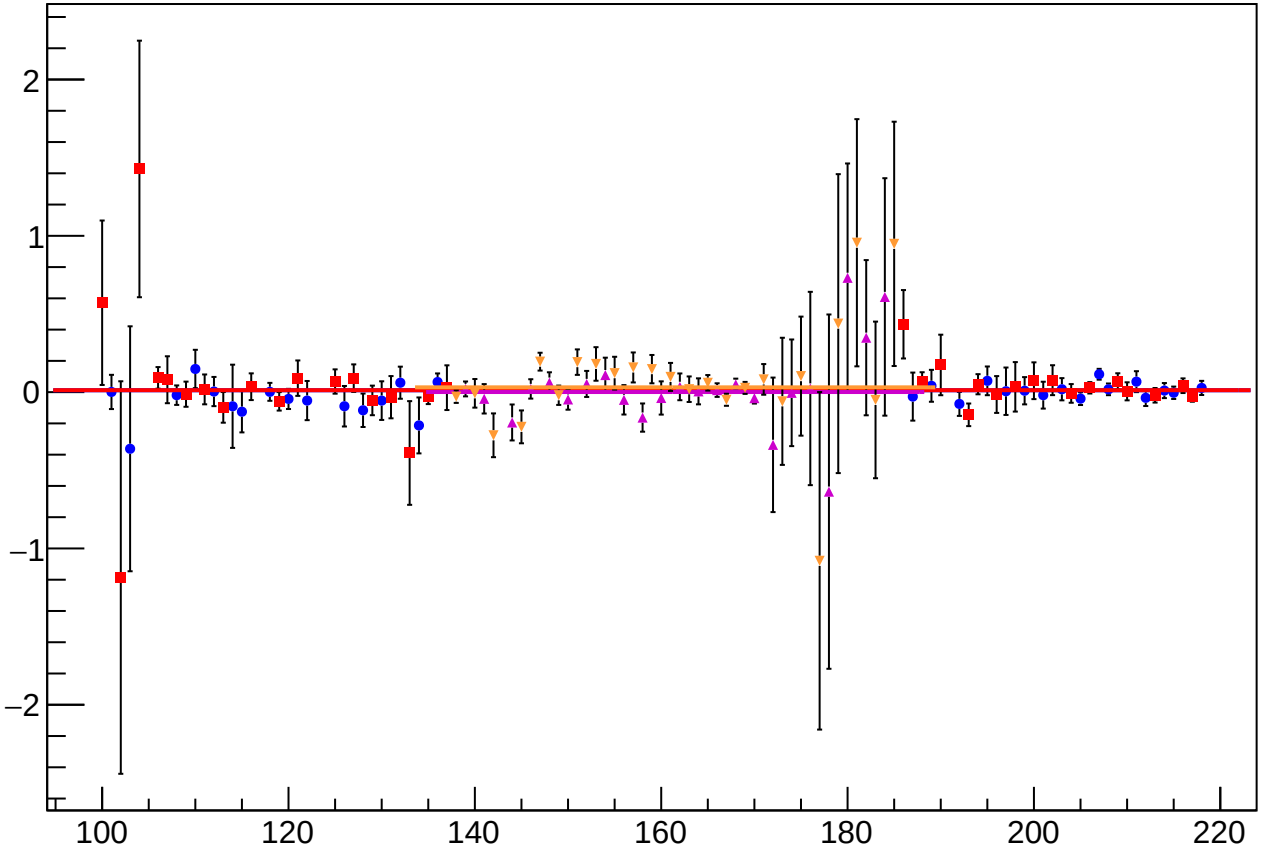
Right: 46.345+/-0.006 χ^2/NDF: 12195377.2/65

In: 47.442+/-0.007 χ^2/NDF:17887600.3/54

Out: 48.605+/-0.007 χ^2/NDF:18422343.4/57

All: 48.004+/-0.005 χ^2/NDF: 36324845.6/112

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: 28.3/33

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

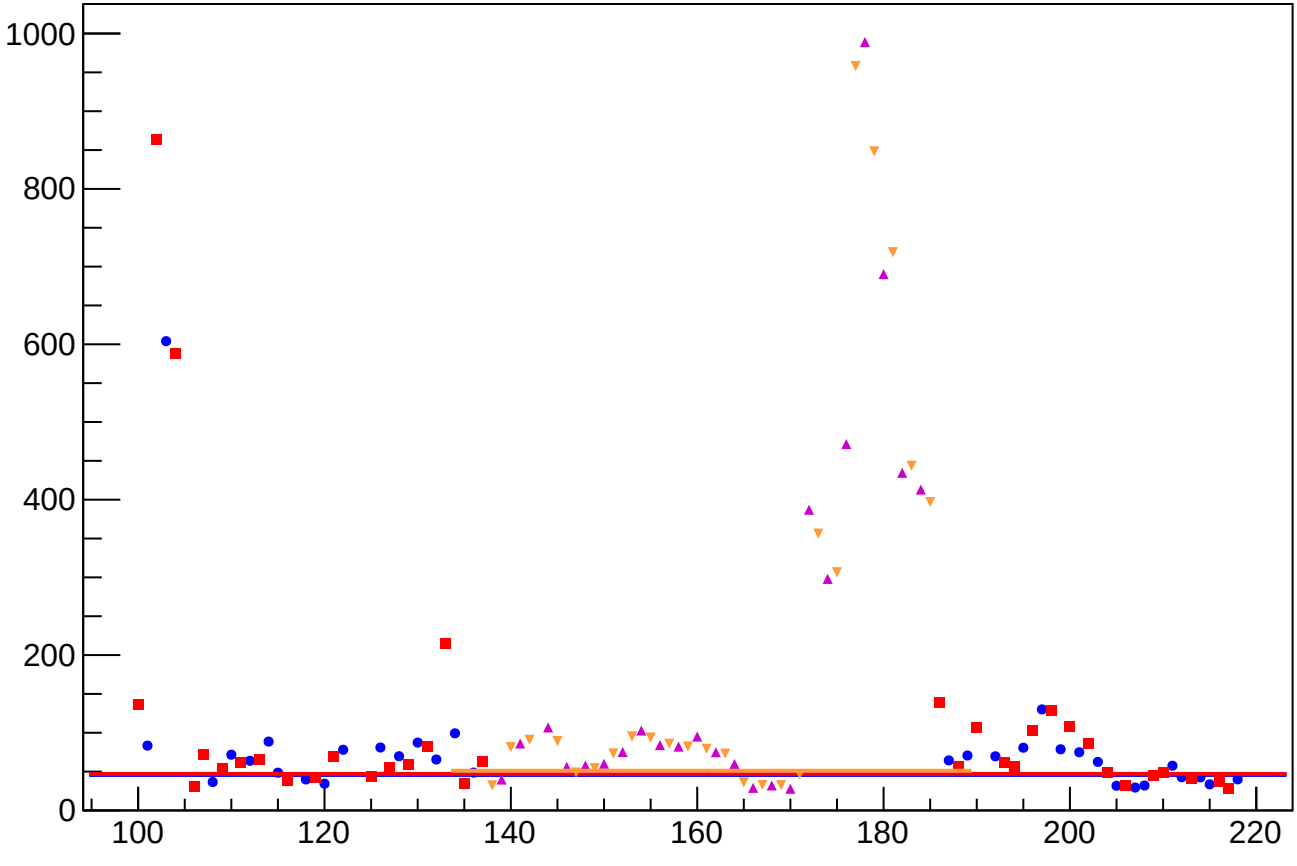
Right: 0.012+/-0.009 χ^2/NDF: 51.7/65

In: 0.008+/-0.009 χ^2/NDF:39.7/54

Out: 0.020+/-0.010 χ^2/NDF:70.7/57

All: 0.013+/-0.007 χ^2/NDF: 111.2/112

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: 47.007+/-0.009 χ^2/NDF: 6601451.2/33

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

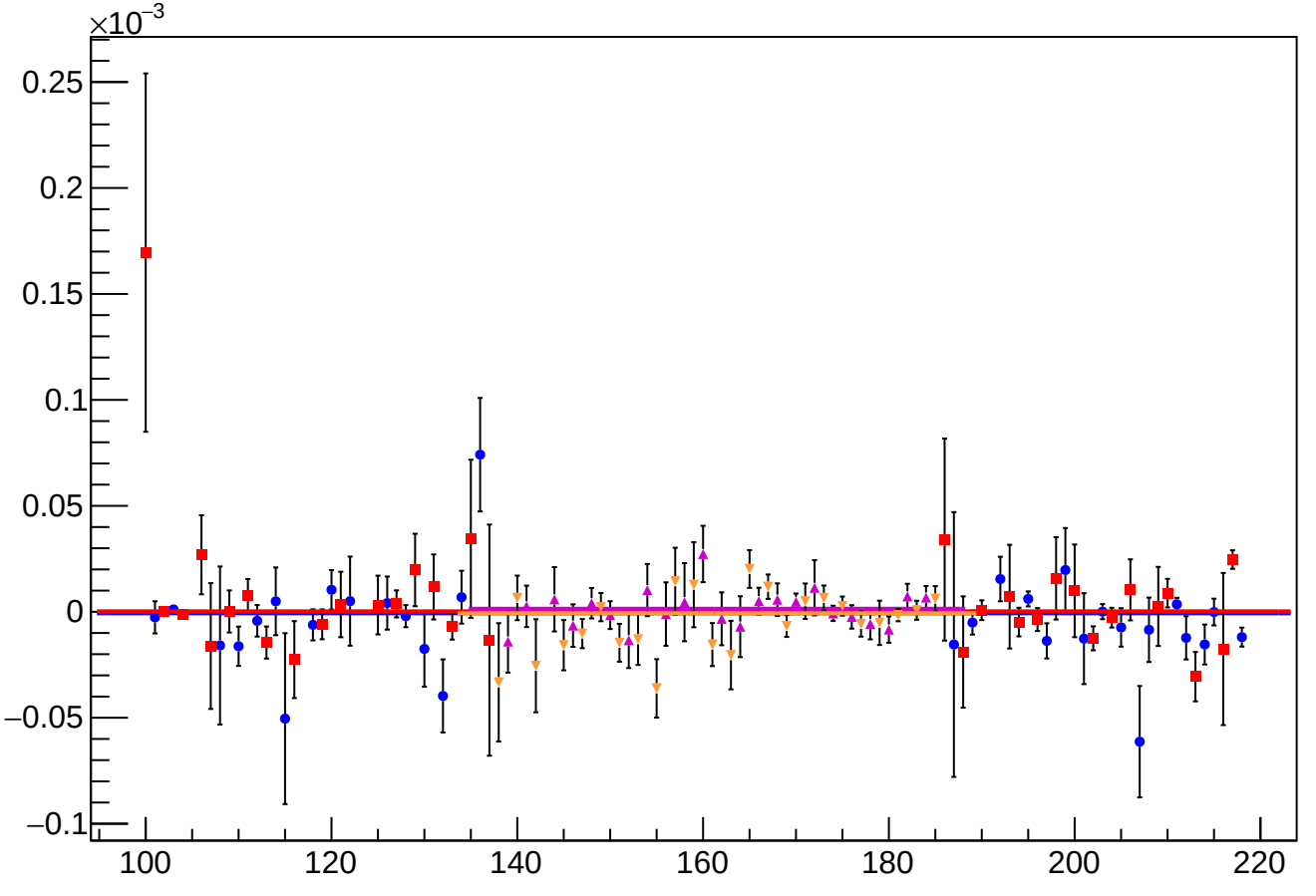
Right: 46.345+/-0.006 χ^2/NDF: 12195377.2/65

In: 47.442+/-0.007 χ^2/NDF:17887600.3/54

Out: 48.605+/-0.007 χ^2/NDF:18422343.4/57

All: 48.004+/-0.005 χ^2/NDF: 36324845.6/112

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: 67.5/33

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

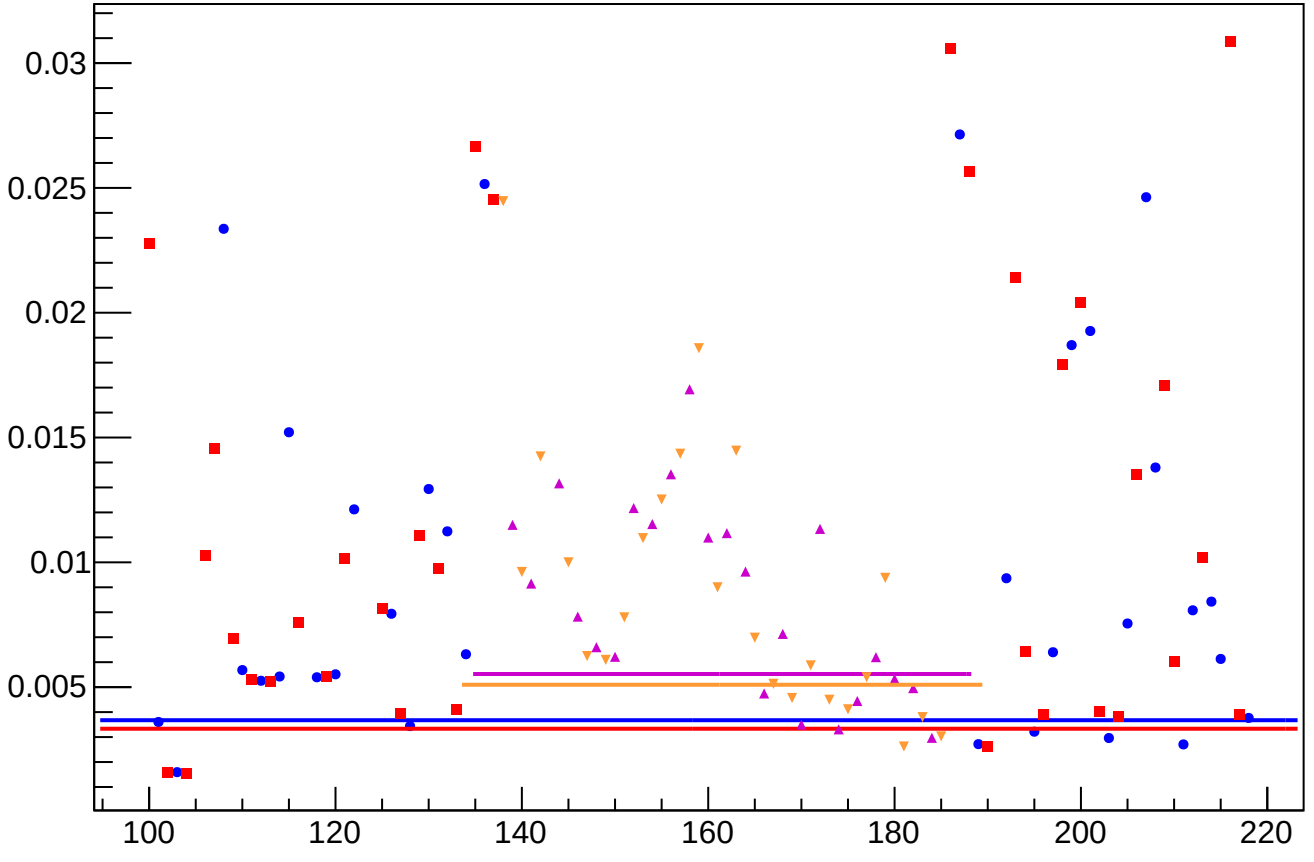
Right: -0.000+/-0.000 χ^2/NDF: 118.8/65

In: 0.000+/-0.000 χ^2/NDF:68.6/54

Out: -0.000+/-0.000 χ^2/NDF:106.3/57

All: -0.000+/-0.000 χ^2/NDF: 174.9/112

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: 17421600.3/33

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

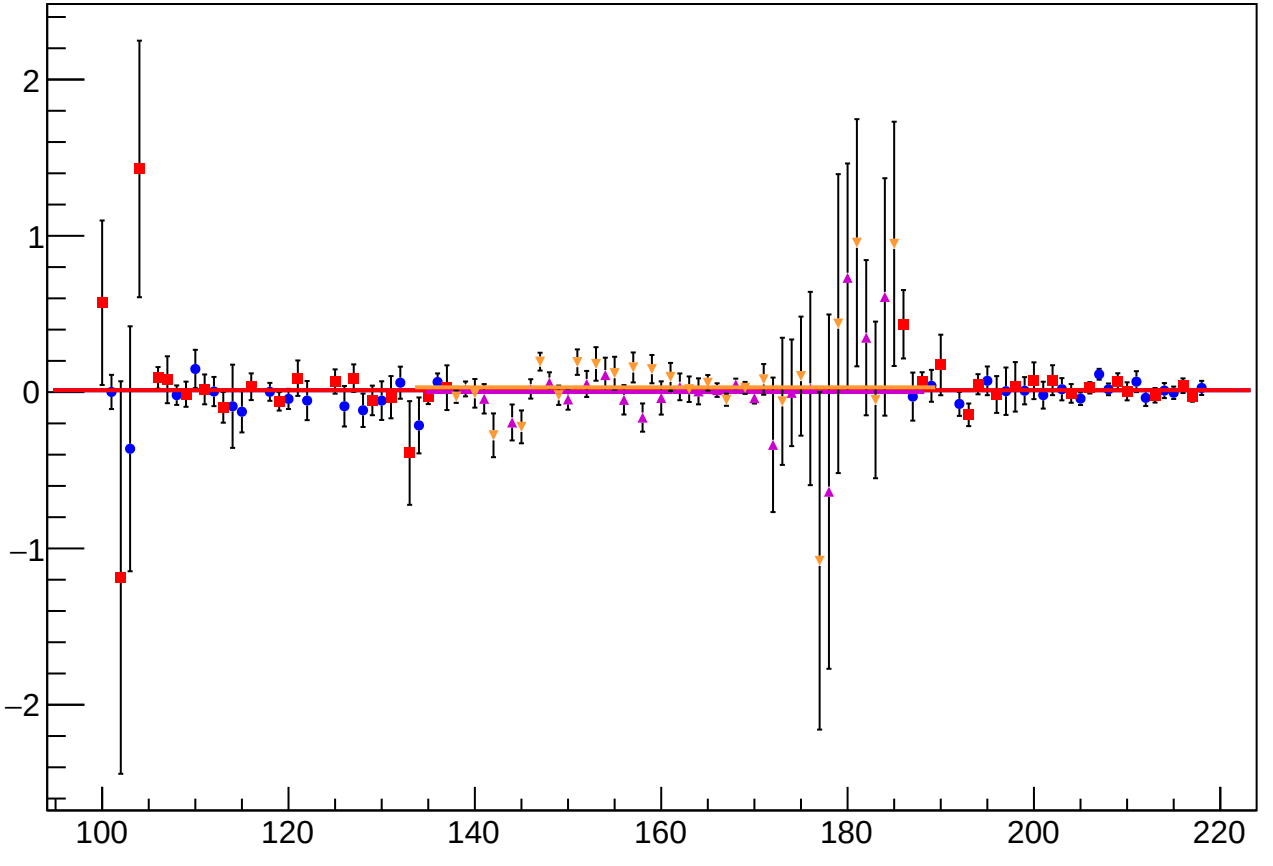
Right: 0.003+/-0.000 χ^2/NDF: 30937199.2/65

In: 0.004+/-0.000 χ^2/NDF:22268175.3/54

Out: 0.004+/-0.000 χ^2/NDF:27838021.3/57

All: 0.004+/-0.000 χ^2/NDF: 50263873.0/112

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: 28.3/33

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

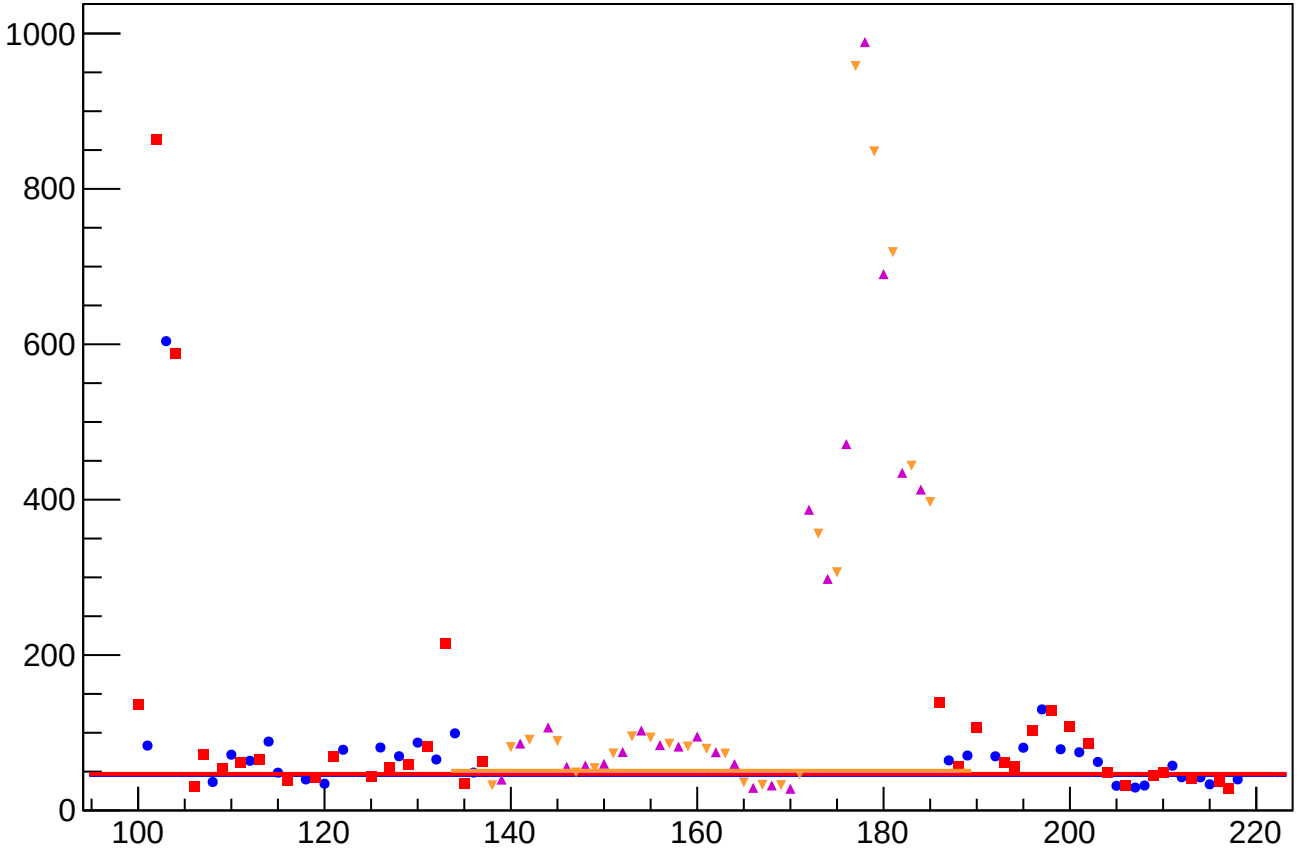
Right: 0.012+/-0.009 χ^2/NDF: 51.7/65

In: 0.008+/-0.009 χ^2/NDF:39.7/54

Out: 0.020+/-0.010 χ^2/NDF:70.7/57

All: 0.013+/-0.007 χ^2/NDF: 111.2/112

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: 47.009+/-0.009 χ^2/NDF: 6600884.2/33

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

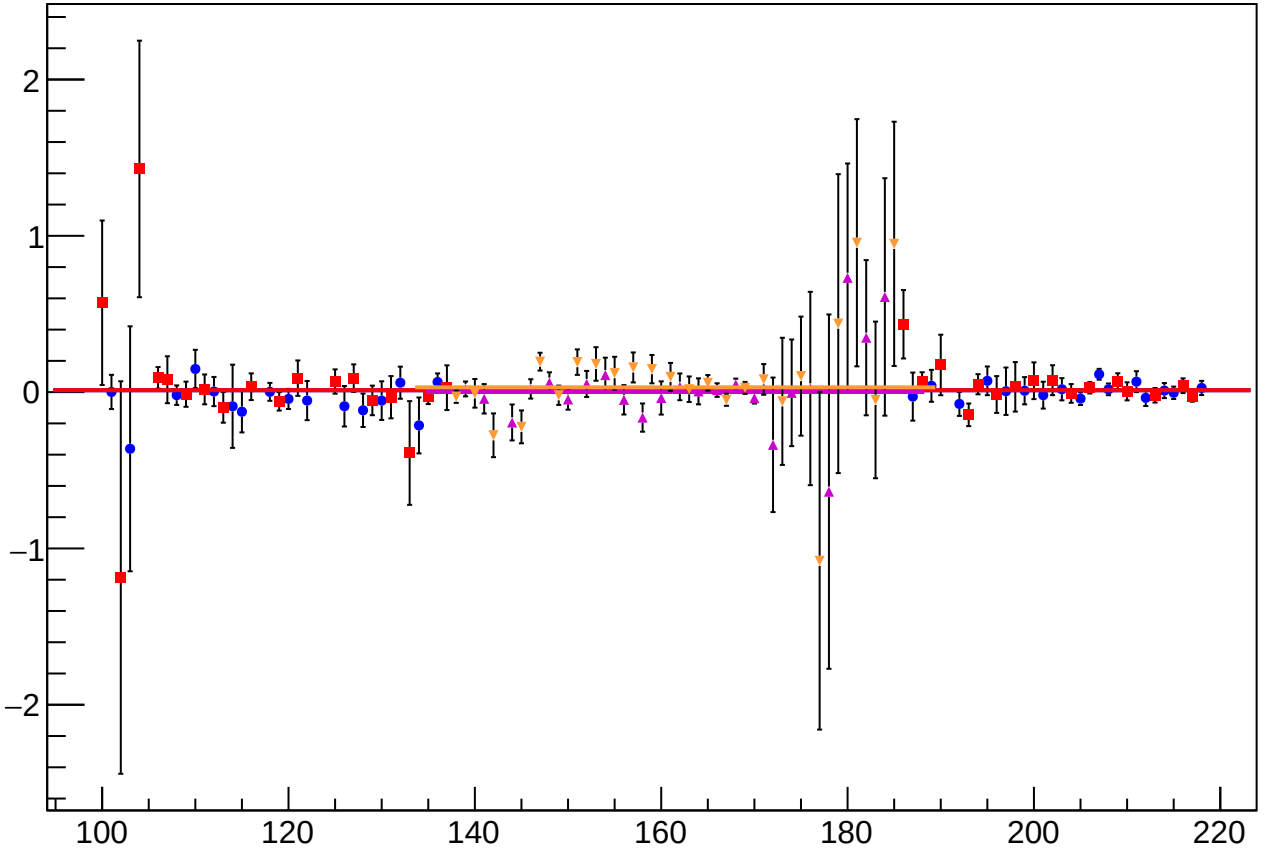
Right: 46.346+/-0.006 χ^2/NDF: 12194955.4/65

In: 47.442+/-0.007 χ^2/NDF:17887665.5/54

Out: 48.608+/-0.007 χ^2/NDF:18420950.2/57

All: 48.005+/-0.005 χ^2/NDF: 36323582.5/112

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: 28.3/33

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

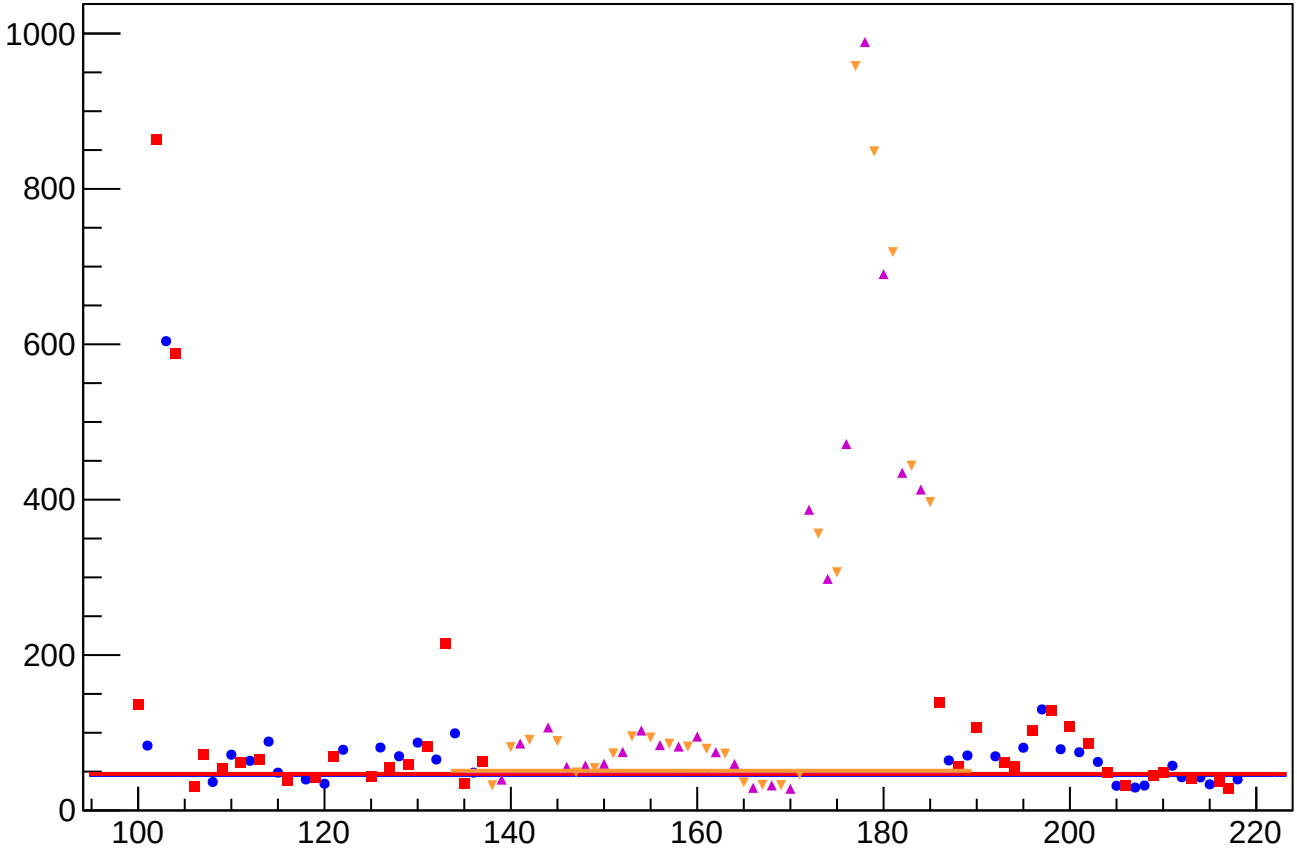
Right: 0.012+/-0.009 χ^2/NDF: 51.7/65

In: 0.008+/-0.009 χ^2/NDF:39.7/54

Out: 0.020+/-0.010 χ^2/NDF:70.7/57

All: 0.013+/-0.007 χ^2/NDF: 111.2/112

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: 47.009+/-0.009 χ^2/NDF: 6600884.2/33

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

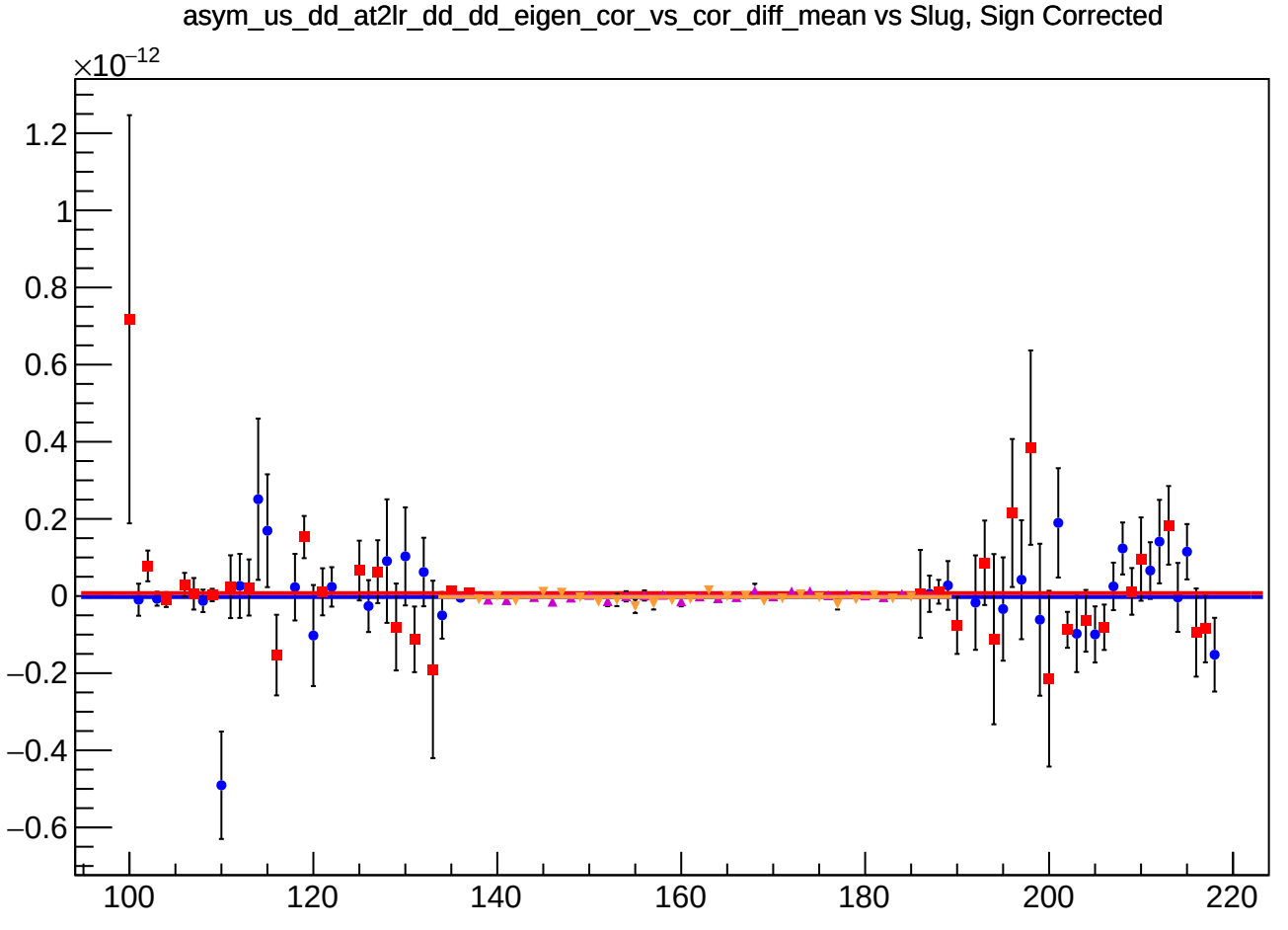
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

Right: 46.346+/-0.006 χ^2/NDF: 12194955.4/65

In: 47.442+/-0.007 χ^2/NDF:17887665.5/54

Out: 48.608+/-0.007 χ^2/NDF:18420950.2/57

All: 48.005+/-0.005 χ^2/NDF: 36323582.5/112



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: 39.5/33

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

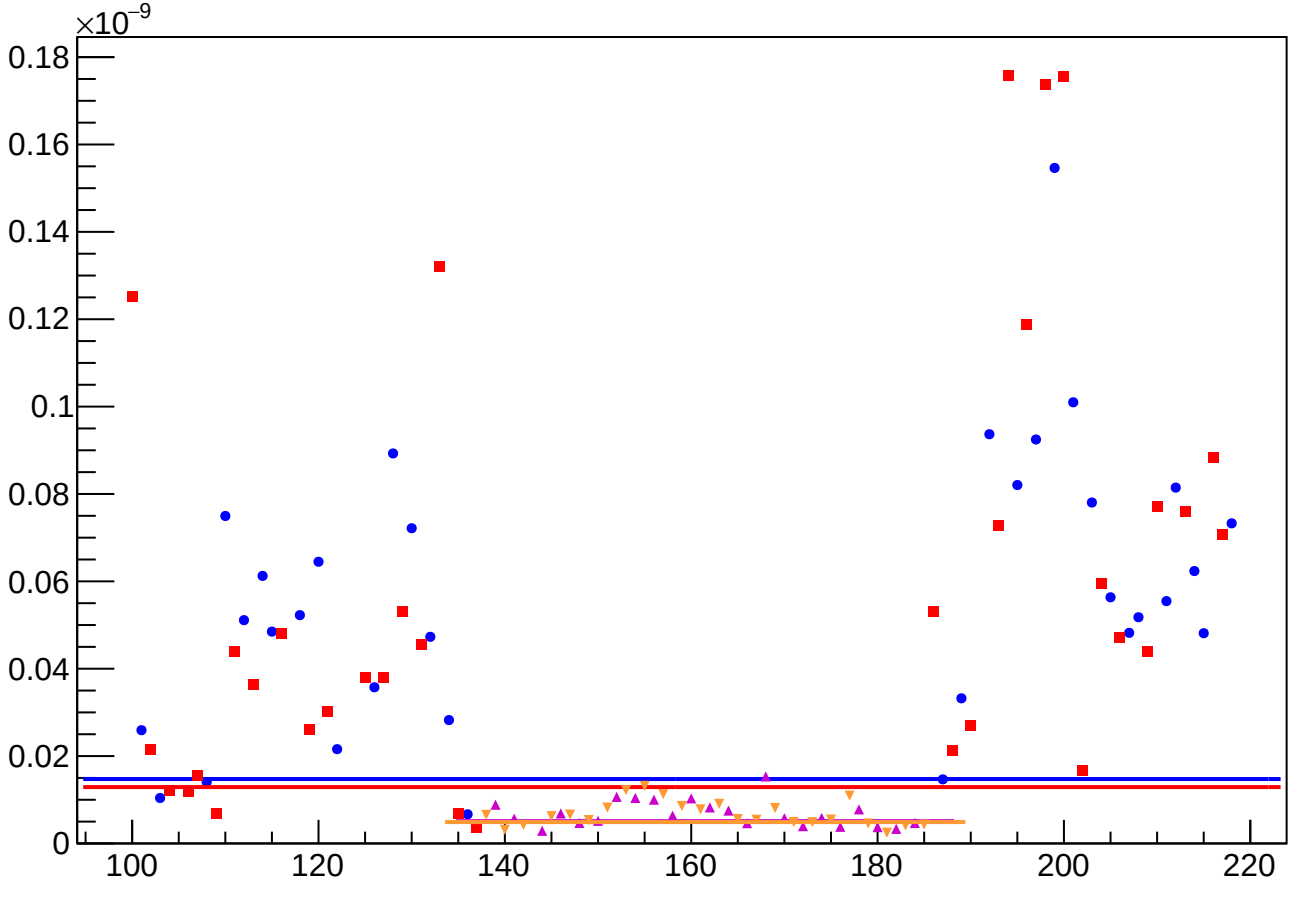
Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

Right: 0.000+/-0.000 χ^2/NDF: 76.1/65

In: -0.000+/-0.000 χ^2/NDF:53.6/54

Out: -0.000+/-0.000 χ^2/NDF:64.2/57

All: -0.000+/-0.000 χ^2/NDF: 118.2/112



Right In: 0.000+/-0.000 χ^2/NDF: 14830020.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14303464.2/33

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

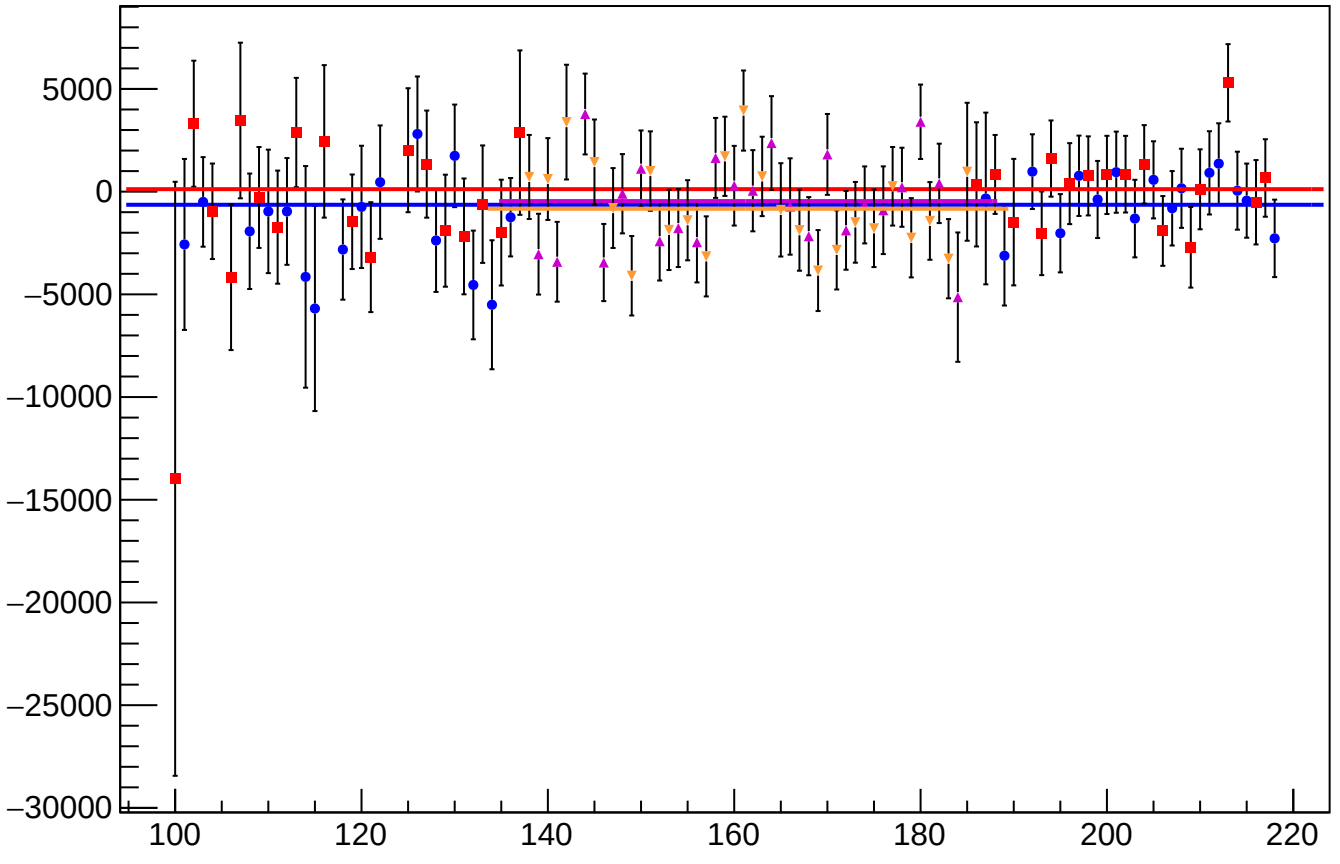
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 29219773.5/65

In: 0.000+/-0.000 χ^2/NDF:22793188.2/54

Out: 0.000+/-0.000 χ^2/NDF:21879225.5/57

All: 0.000+/-0.000 χ^2/NDF: 44706054.4/112



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: 120.794+/-401.908 χ^2/NDF: 25.7/33

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

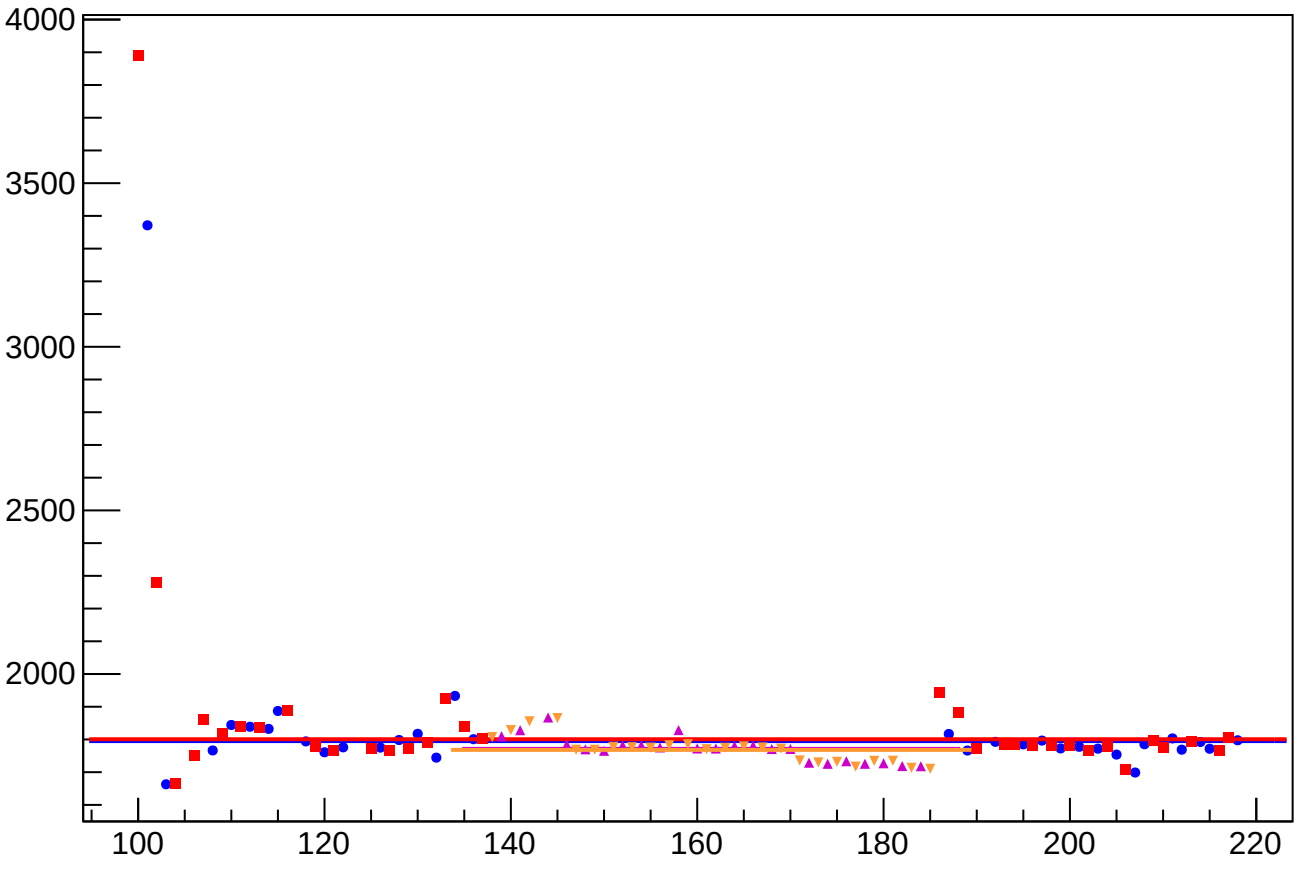
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -259.978+/-283.864 χ^2/NDF: 44.8/65

In: -552.085+/-287.908 χ^2/NDF:44.6/54

Out: -345.873+/-287.163 χ^2/NDF:53.9/57

All: -448.712+/-203.318 χ^2/NDF: 98.8/112



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: 1800.637+/-0.284 χ^2/NDF: 122916.7/33

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

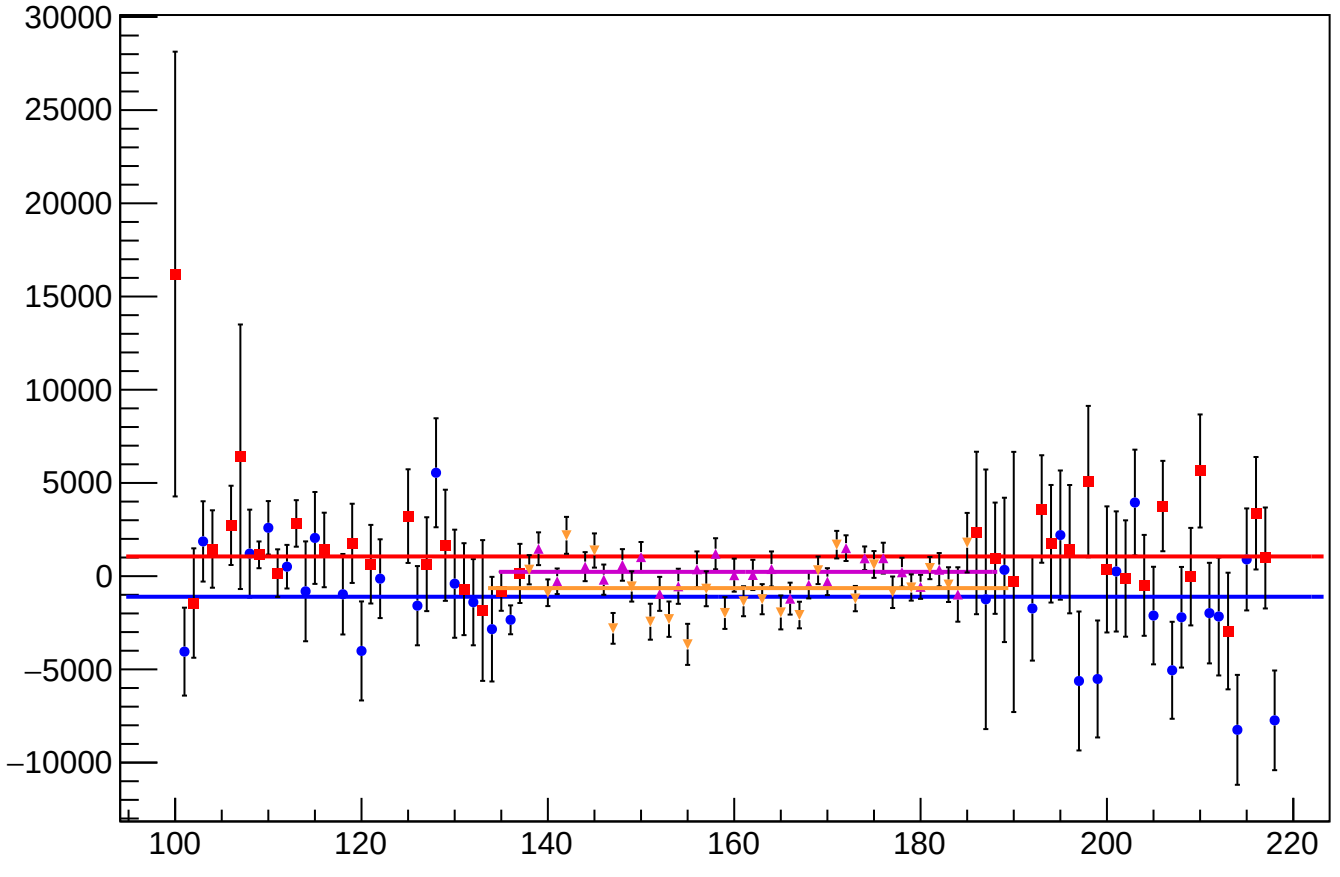
Right: 1797.840+/-0.201 χ^2/NDF: 433124.4/65

In: 1783.507+/-0.204 χ^2/NDF:329864.8/54

Out: 1784.723+/-0.203 χ^2/NDF:145681.2/57

All: 1784.117+/-0.144 χ^2/NDF: 475563.9/112

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: 1057.166+/-351.096 χ^2/NDF: 20.1/33

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

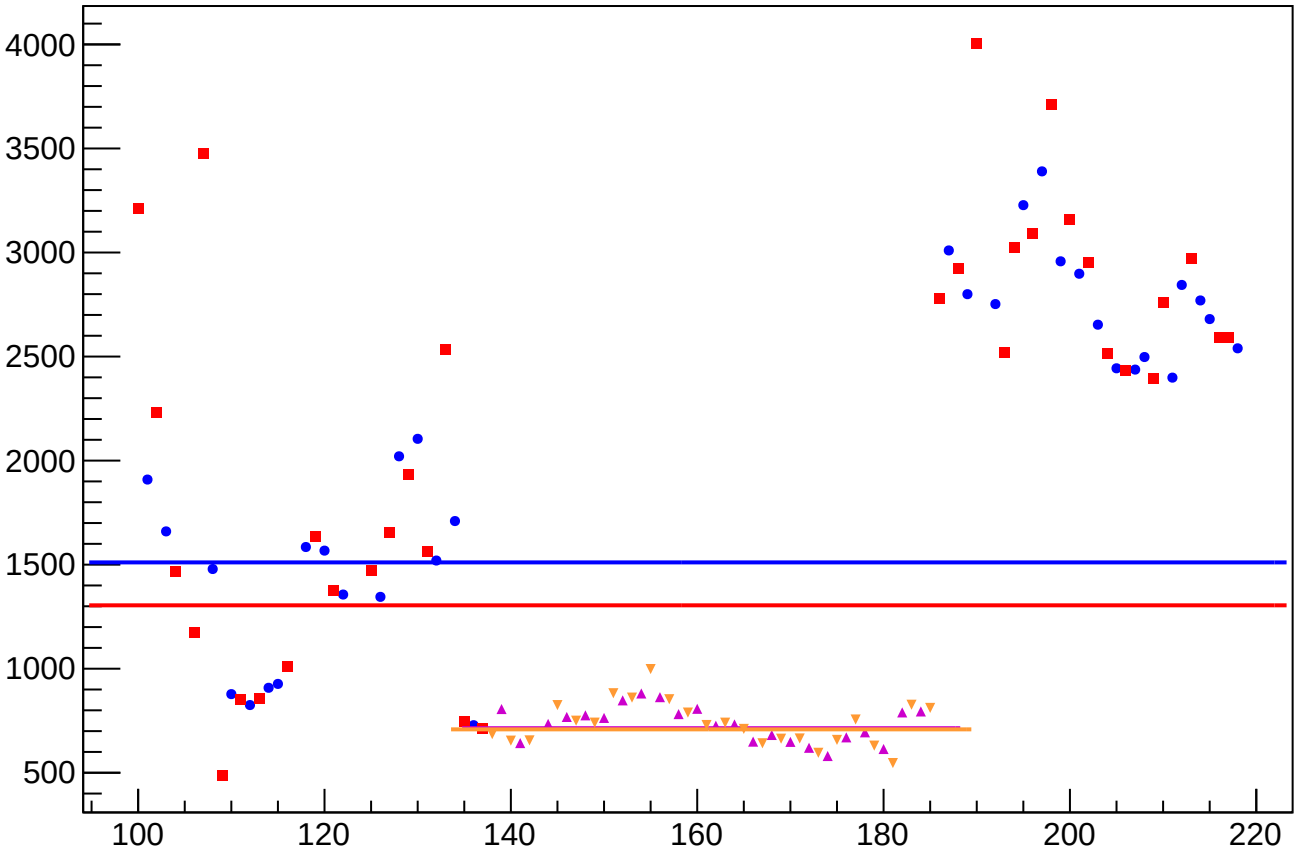
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

Right: 66.340+/-258.393 χ^2/NDF: 85.0/65

In: 13.252+/-154.007 χ^2/NDF:77.7/54

Out: -329.391+/-150.403 χ^2/NDF:105.8/57

All: -162.126+/-107.603 χ^2/NDF: 186.1/112



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: 1304.570+/-0.248 χ^2/NDF: 12363948.7/33

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

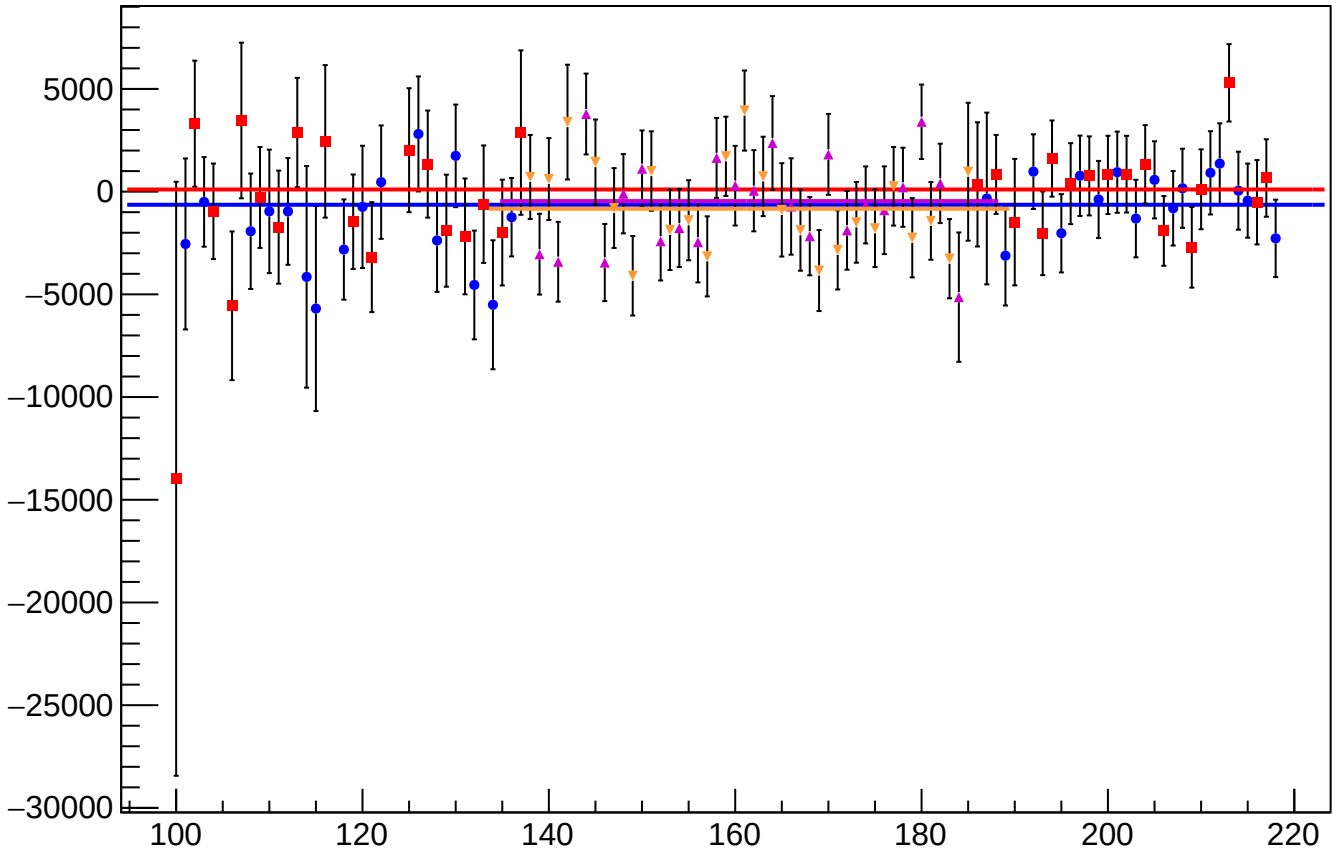
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1399.110+/-0.183 χ^2/NDF: 21460283.9/65

In: 843.882+/-0.109 χ^2/NDF:16572519.9/54

Out: 817.888+/-0.106 χ^2/NDF:17771162.2/57

All: 830.577+/-0.076 χ^2/NDF: 34372844.9/1



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: 105.906+/-402.013 χ^2/NDF: 26.7/33

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

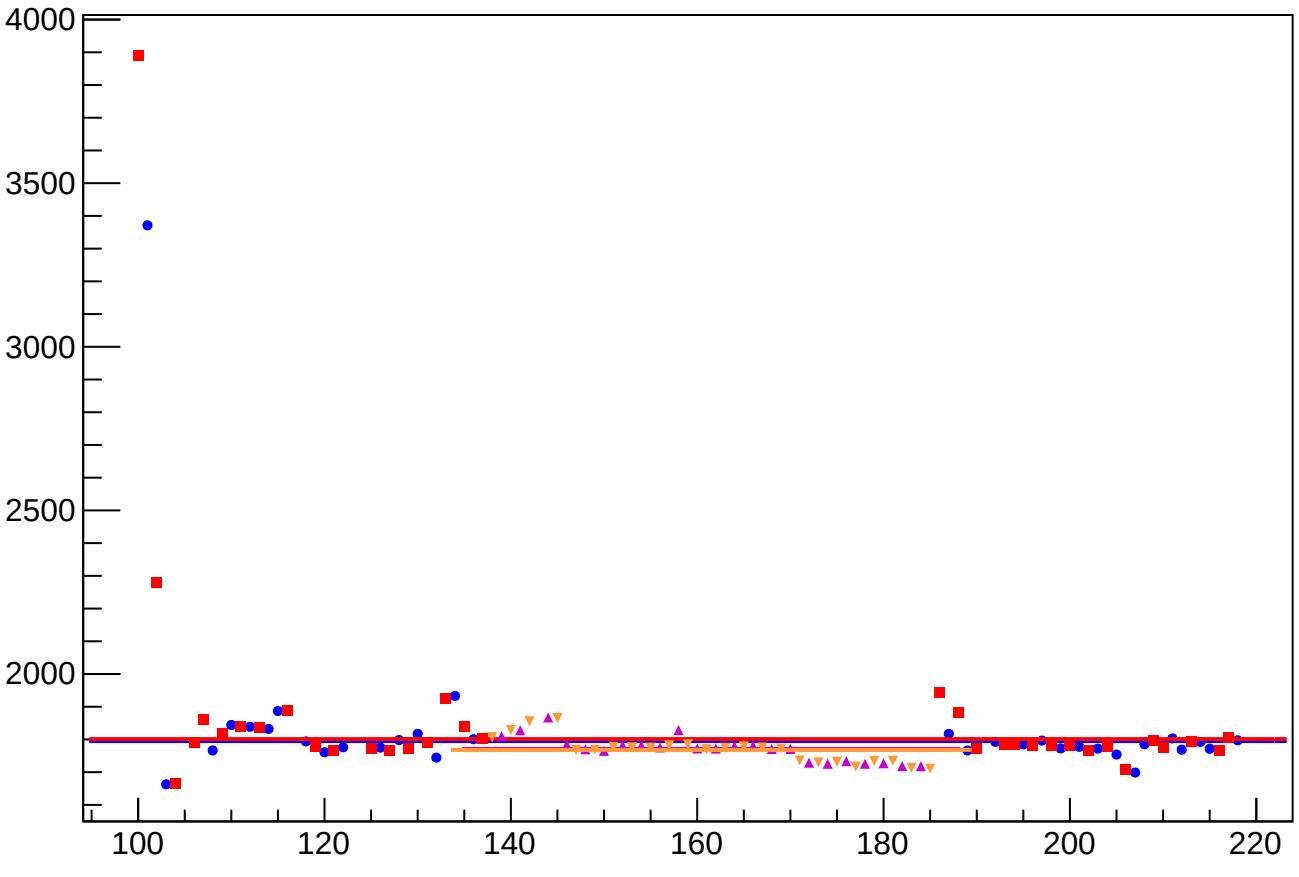
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -267.395+/-283.902 χ^2/NDF: 45.7/65

In: -551.953+/-287.908 χ^2/NDF:44.6/54

Out: -353.544+/-287.202 χ^2/NDF:54.8/57

All: -452.505+/-203.332 χ^2/NDF: 99.7/112



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: 1801.168+/-0.284 χ^2/NDF: 122527.6/33

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

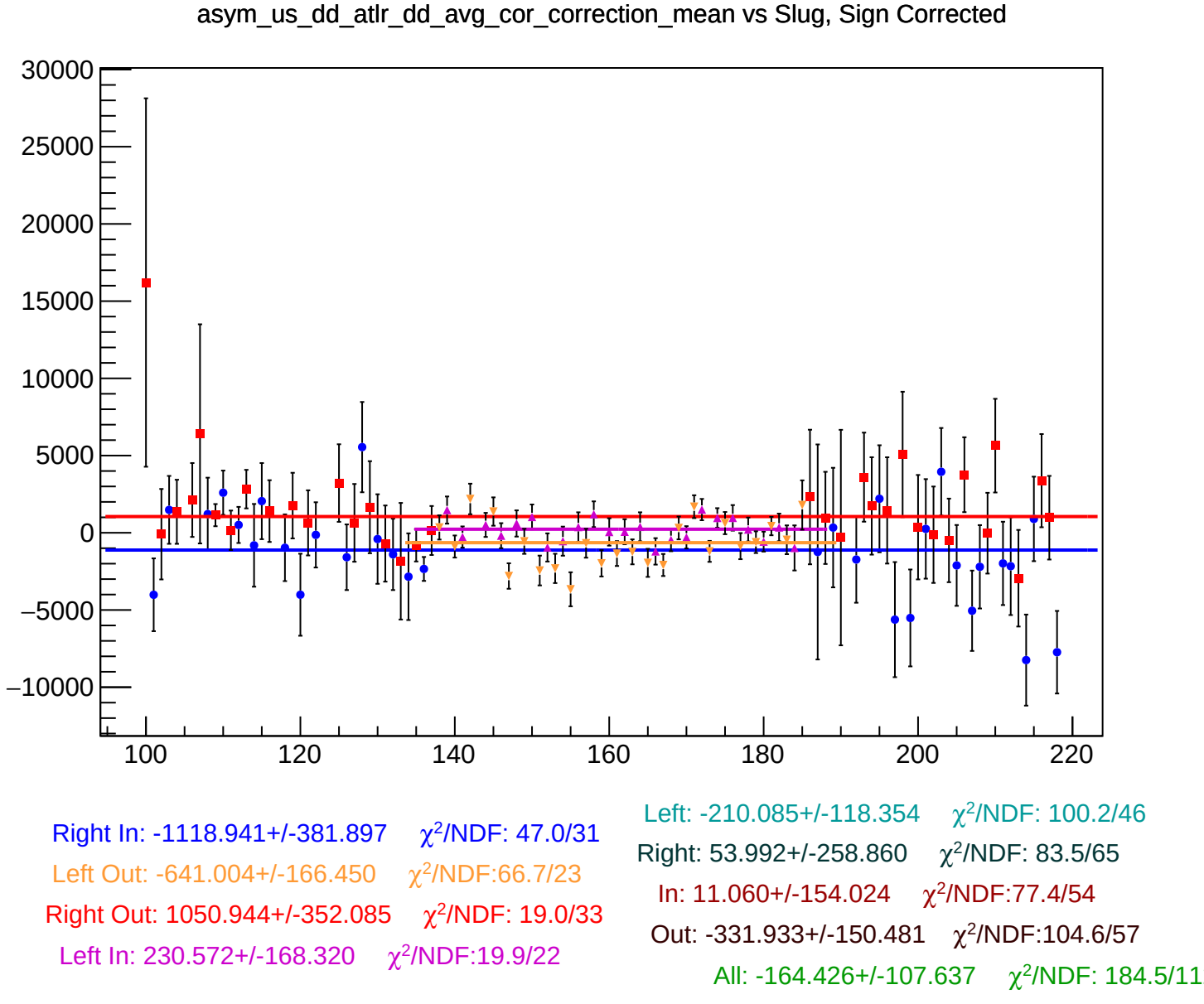
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

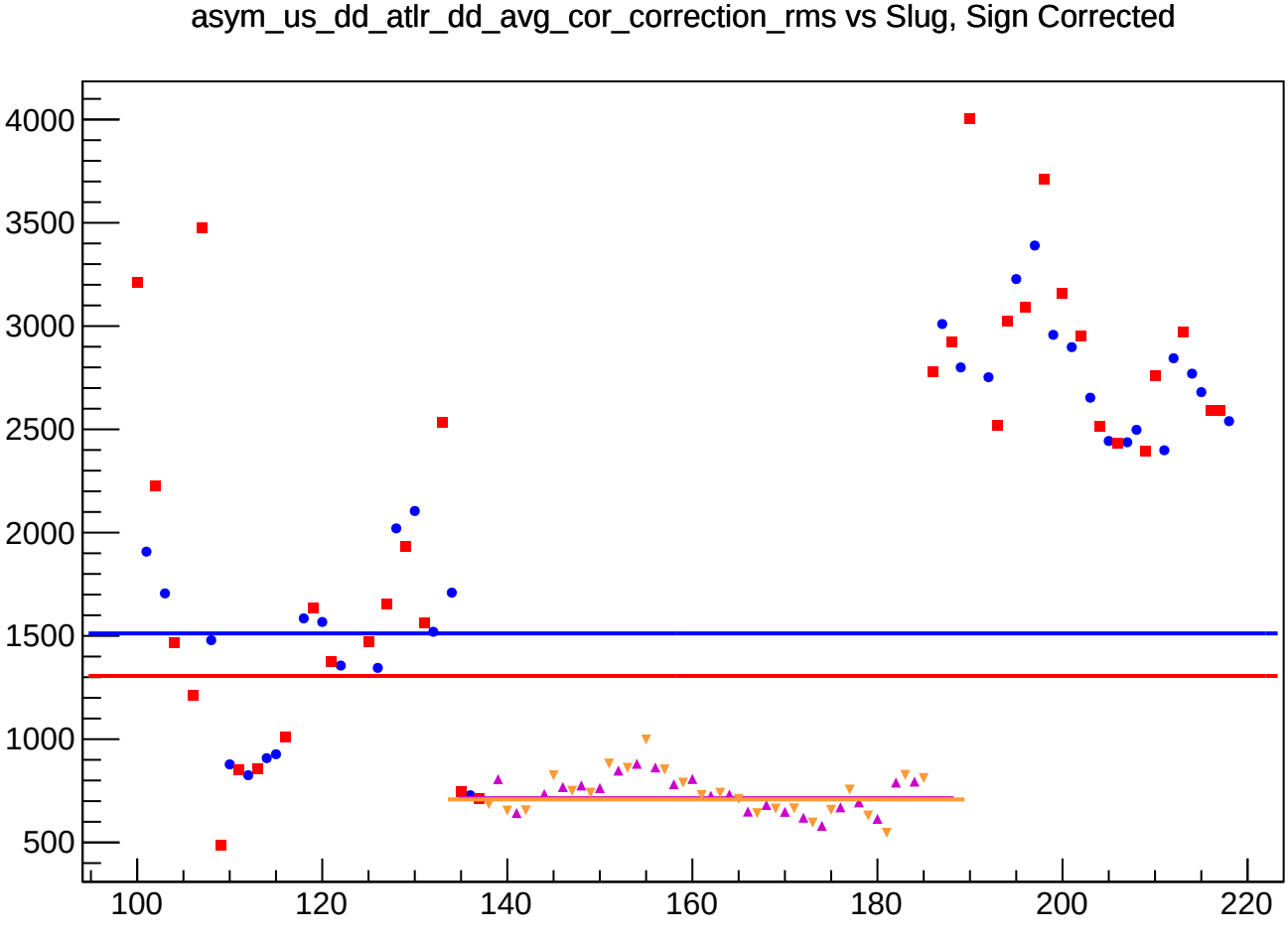
Right: 1798.104+/-0.201 χ^2/NDF: 432775.7/65

In: 1783.507+/-0.204 χ^2/NDF:329866.6/54

Out: 1784.990+/-0.203 χ^2/NDF:145501.3/57

All: 1784.250+/-0.144 χ^2/NDF: 475394.5/112


asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1118.941+/-381.897 χ²/NDF: 47.0/31
Left Out: -641.004+/-166.450 χ²/NDF:66.7/23
Right Out: 1050.944+/-352.085 χ²/NDF: 19.0/33
Left In: 230.572+/-168.320 χ²/NDF:19.9/22
Left: -210.085+/-118.354 χ²/NDF: 100.2/46
Right: 53.992+/-258.860 χ²/NDF: 83.5/65
In: 11.060+/-154.024 χ²/NDF:77.4/54
Out: -331.933+/-150.481 χ²/NDF:104.6/57
All: -164.426+/-107.637 χ²/NDF: 184.5/112



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: 1306.109+/-0.249 χ^2/NDF: 12358396.7/33

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

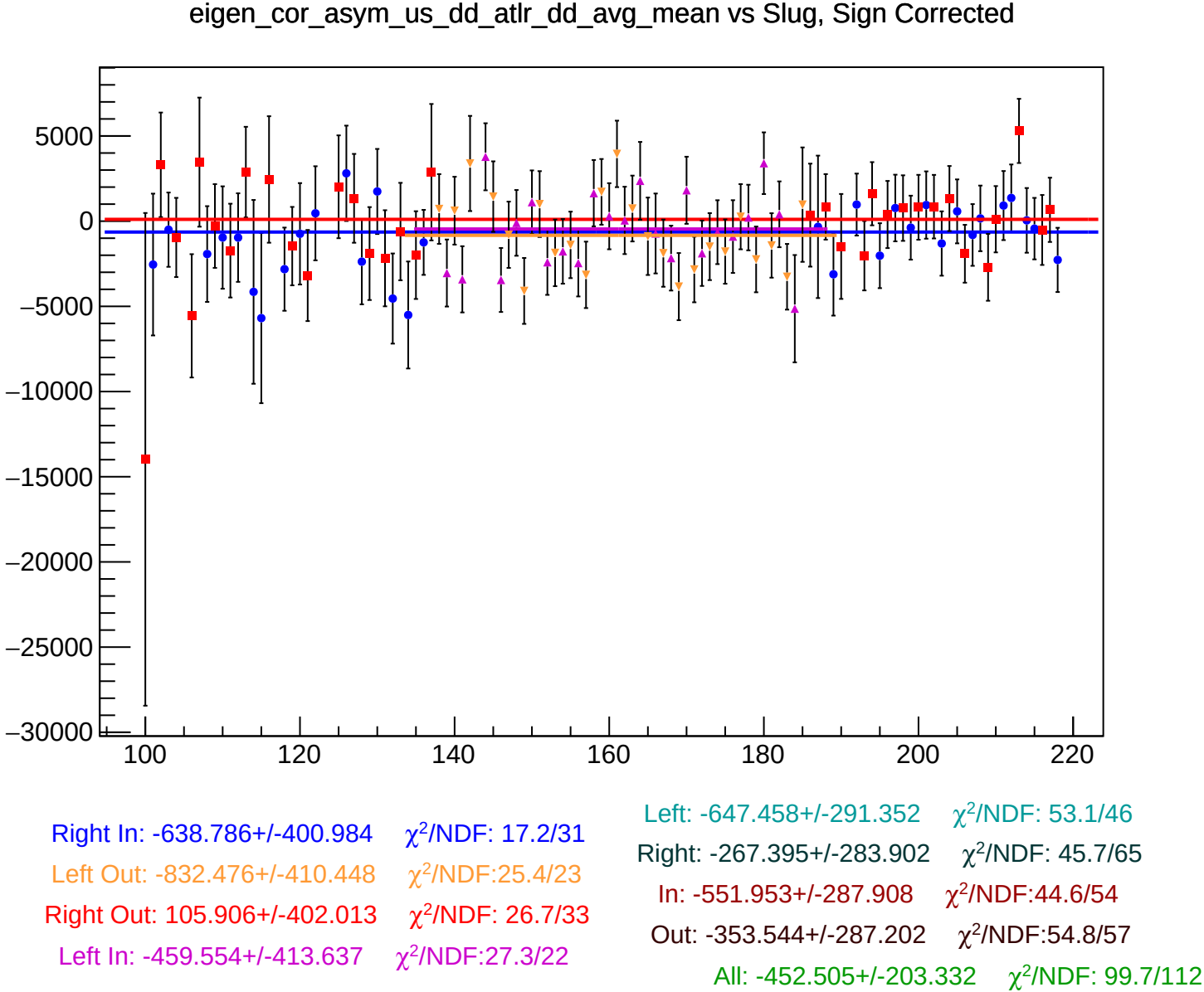
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

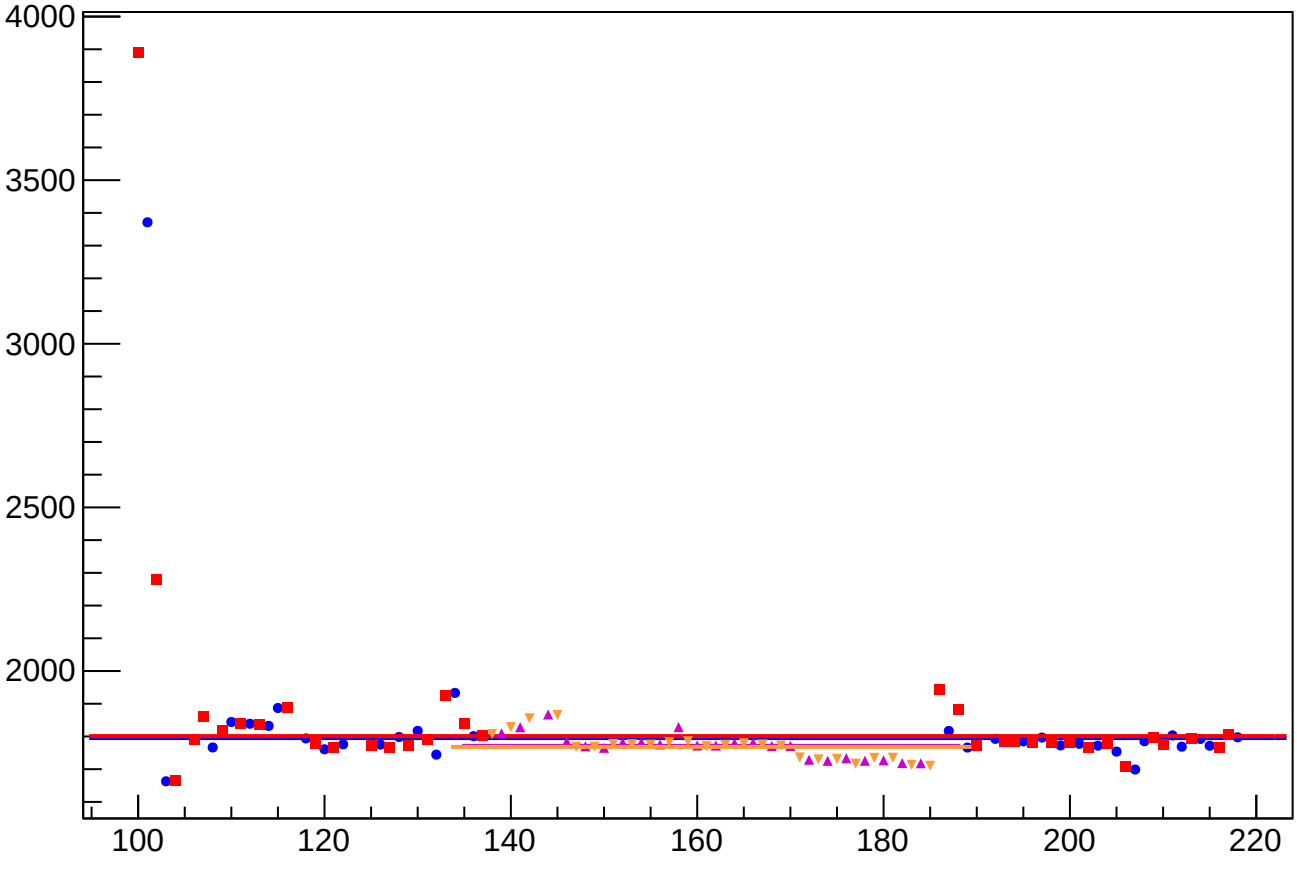
Right: 1400.715+/-0.183 χ^2/NDF: 21458469.6/65

In: 843.947+/-0.109 χ^2/NDF:16592454.1/54

Out: 817.673+/-0.106 χ^2/NDF:17768113.2/57

All: 830.504+/-0.076 χ^2/NDF: 34390343.0/11


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
120
140
160
180
200
220
Right In: -638.786+/-400.984 χ²/NDF: 17.2/31
Left Out: -832.476+/-410.448 χ²/NDF:25.4/23
Right Out: 105.906+/-402.013 χ²/NDF: 26.7/33
Left In: -459.554+/-413.637 χ²/NDF:27.3/22
Left: -647.458+/-291.352 χ²/NDF: 53.1/46
Right: -267.395+/-283.902 χ²/NDF: 45.7/65
In: -551.953+/-287.908 χ²/NDF:44.6/54
Out: -353.544+/-287.202 χ²/NDF:54.8/57
All: -452.505+/-203.332 χ²/NDF: 99.7/112



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: 1801.168+/-0.284 χ^2/NDF: 122527.6/33

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

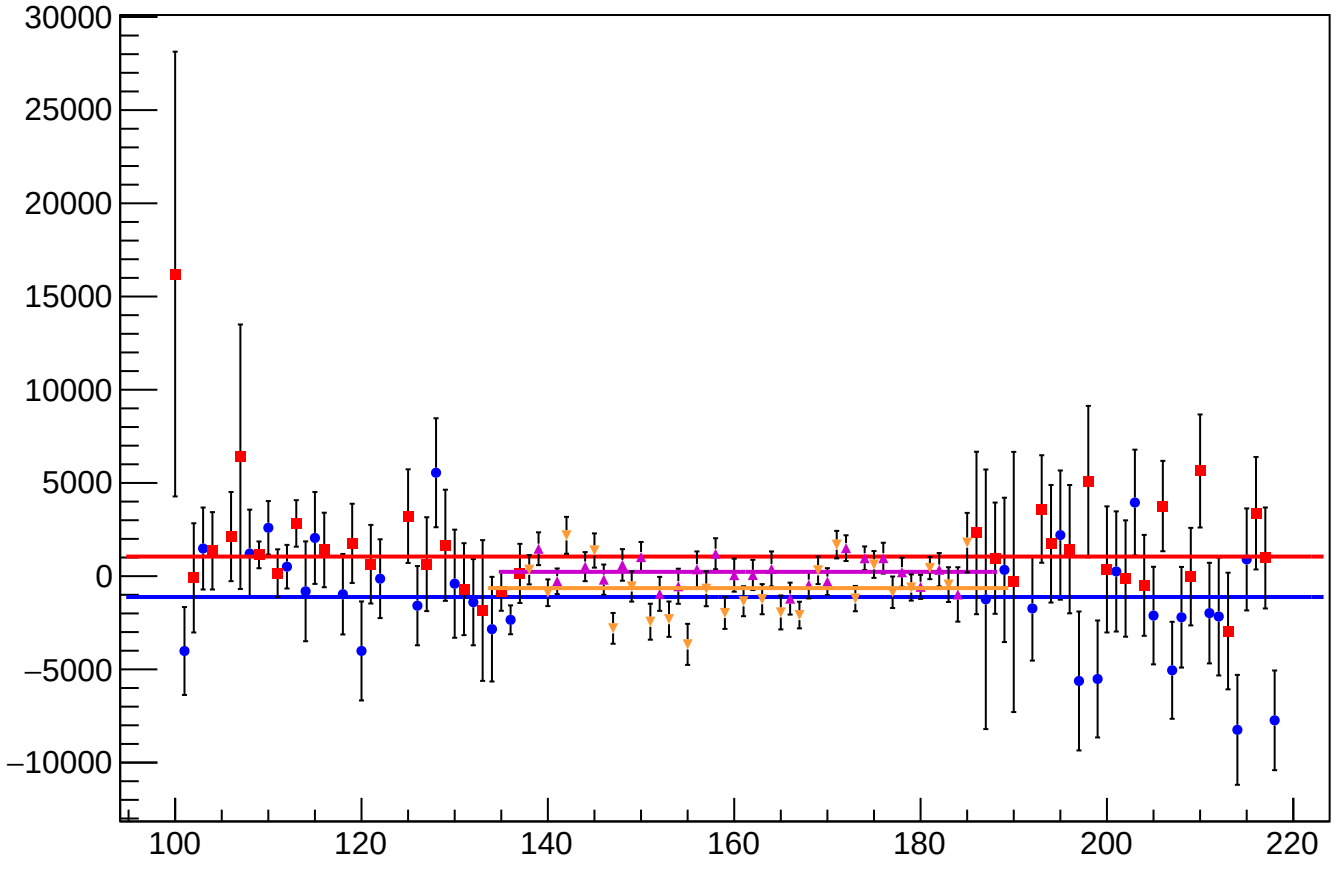
Right: 1798.104+/-0.201 χ^2/NDF: 432775.7/65

In: 1783.507+/-0.204 χ^2/NDF:329866.6/54

Out: 1784.990+/-0.203 χ^2/NDF:145501.3/57

All: 1784.250+/-0.144 χ^2/NDF: 475394.5/112

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 1050.944+/-352.085 χ^2/NDF: 19.0/33

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

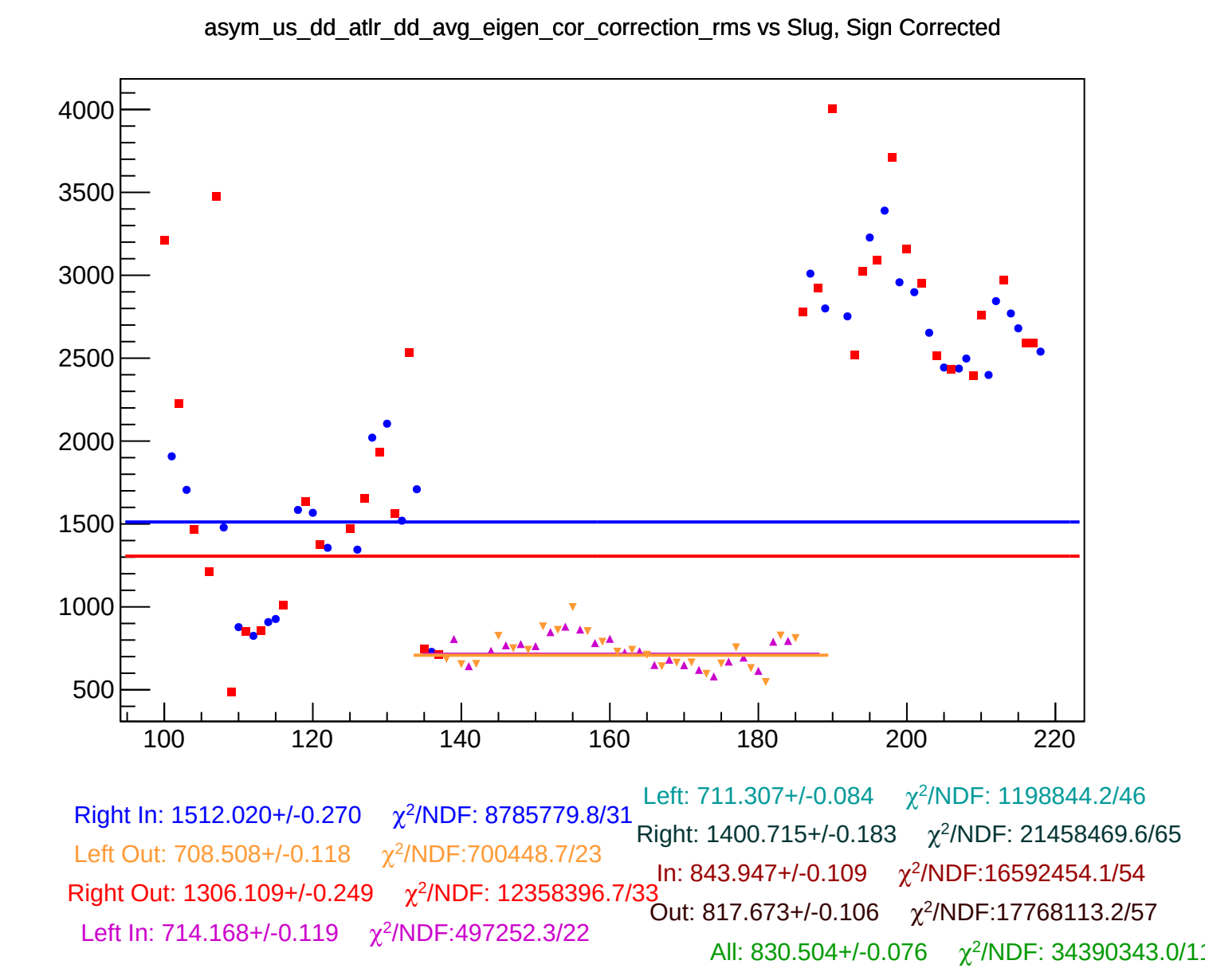
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 53.992+/-258.860 χ^2/NDF: 83.5/65

In: 11.060+/-154.024 χ^2/NDF:77.4/54

Out: -331.933+/-150.481 χ^2/NDF:104.6/57

All: -164.426+/-107.637 χ^2/NDF: 184.5/112


asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
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1000
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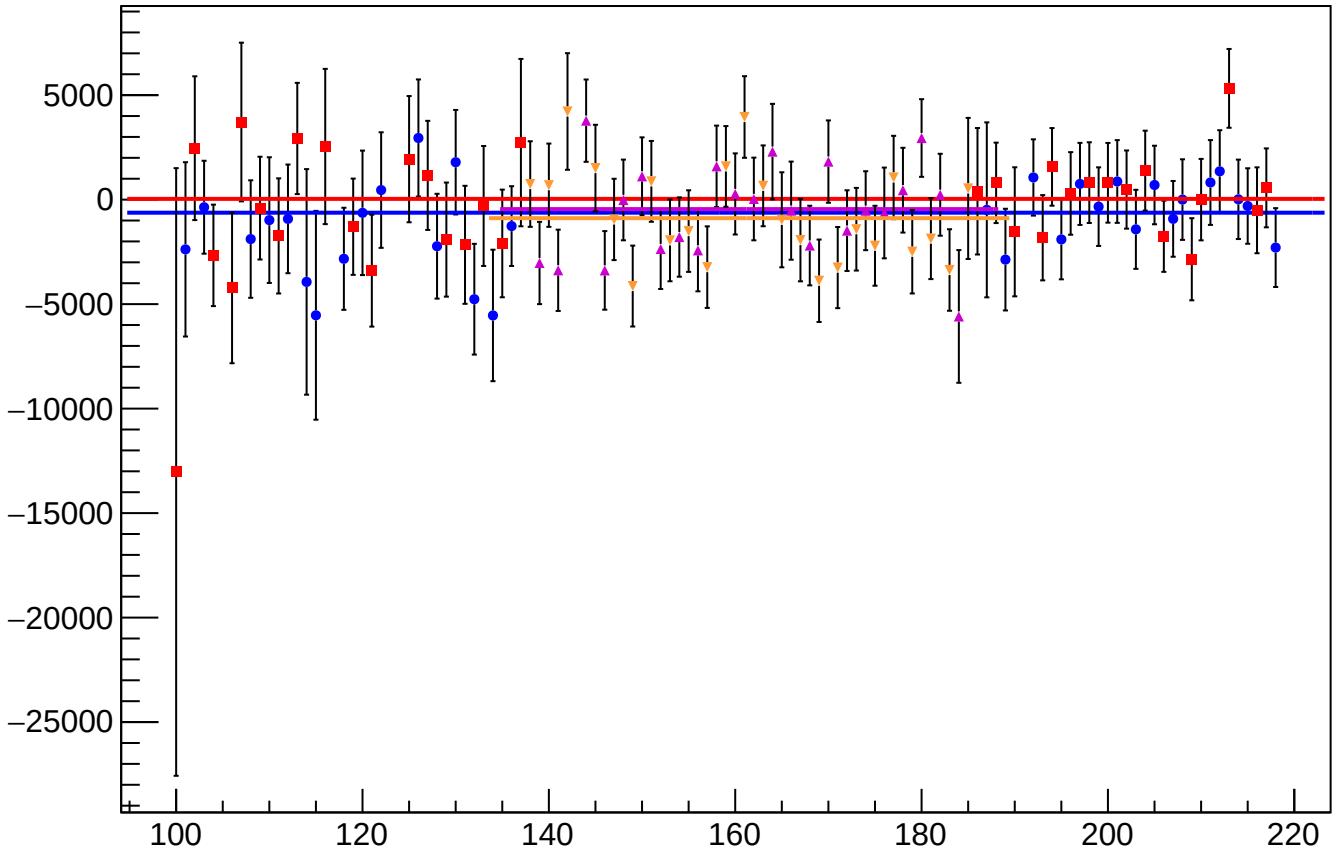
100
120
140
160
180
200
220
Right In: 1512.020+/-0.270 χ²/NDF: 8785779.8/31
Left Out: 708.508+/-0.118 χ²/NDF:700448.7/23
Right Out: 1306.109+/-0.249 χ²/NDF: 12358396.7/33
Left In: 714.168+/-0.119 χ²/NDF:497252.3/22
Left: 711.307+/-0.084 χ²/NDF: 1198844.2/46
Right: 1400.715+/-0.183 χ²/NDF: 21458469.6/65
In: 843.947+/-0.109 χ²/NDF:16592454.1/54
Out: 817.673+/-0.106 χ²/NDF:17768113.2/57
All: 830.504+/-0.076 χ²/NDF: 34390343.0/11



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: 36.019+/-403.786 χ^2/NDF: 25.9/33

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

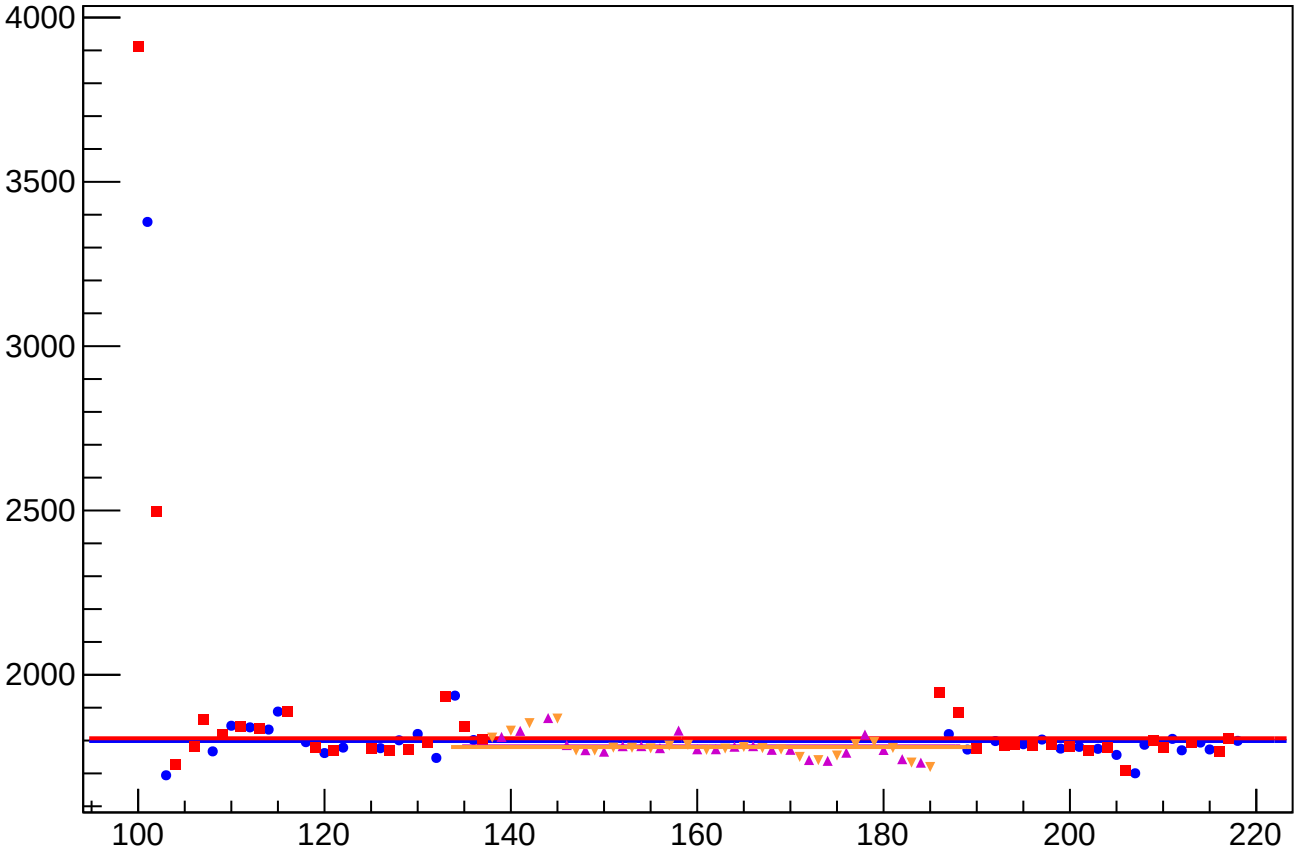
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -296.167+/-284.812 χ^2/NDF: 44.4/65

In: -542.185+/-289.069 χ^2/NDF:43.1/54

Out: -414.510+/-288.800 χ^2/NDF:56.6/57

All: -478.288+/-204.307 χ^2/NDF: 99.8/112



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: 1806.850+/-0.286 χ^2/NDF: 150542.0/33

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

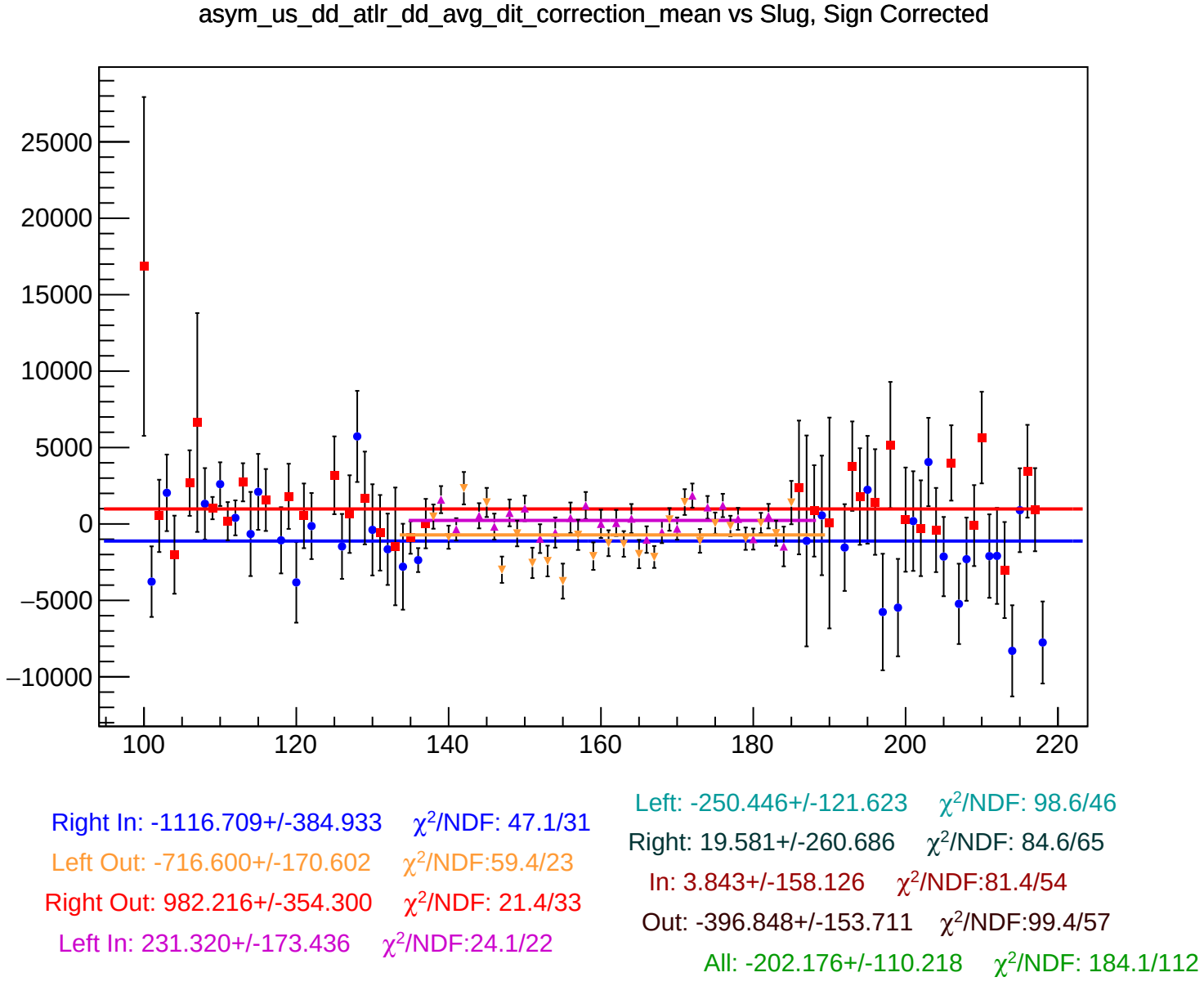
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

Right: 1802.751+/-0.201 χ^2/NDF: 458419.7/65

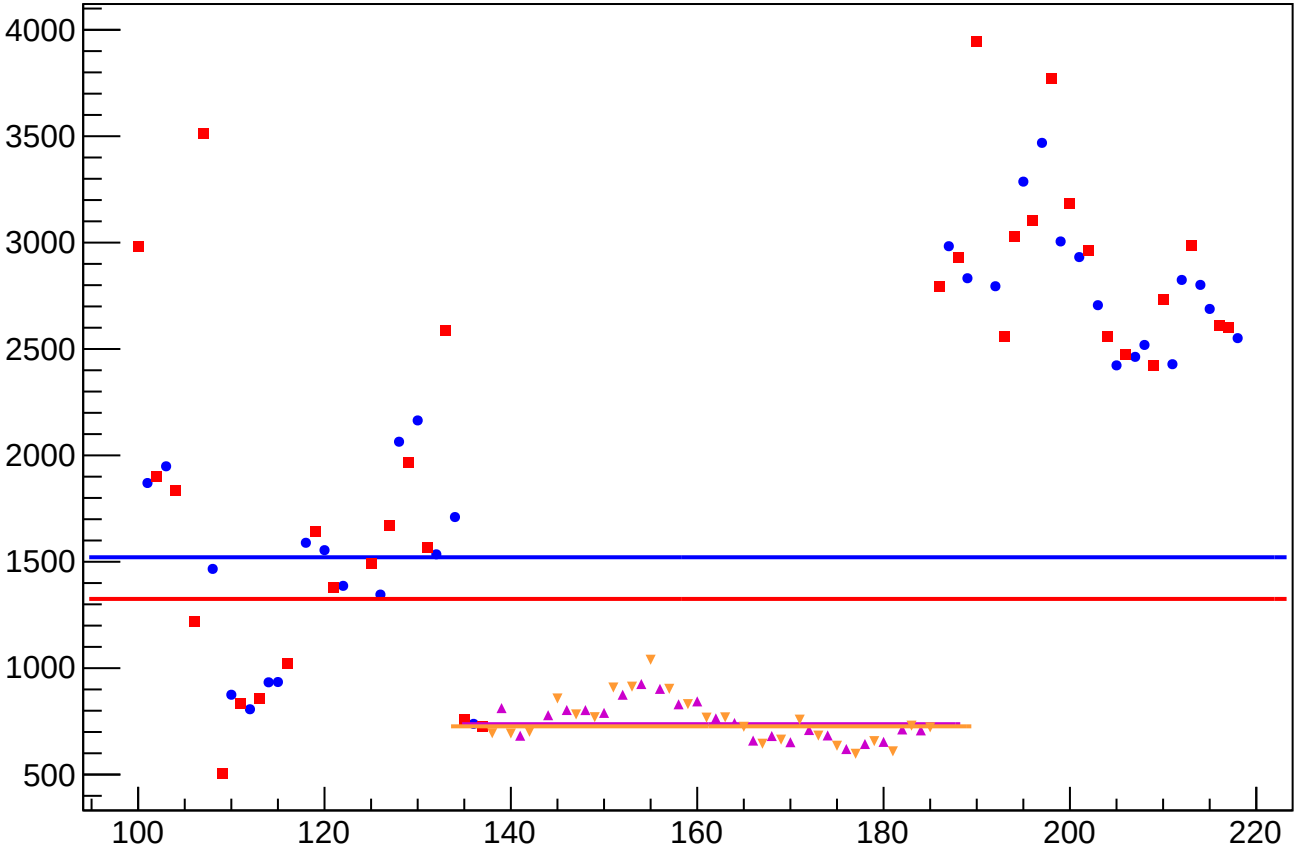
In: 1790.784+/-0.204 χ^2/NDF:320305.9/54

Out: 1793.843+/-0.204 χ^2/NDF:165171.1/57

All: 1792.315+/-0.144 χ^2/NDF: 485589.1/112


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: 982.216+/-354.300 χ²/NDF: 21.4/33
Left In: 231.320+/-173.436 χ²/NDF:24.1/22
Left: -250.446+/-121.623 χ²/NDF: 98.6/46
Right: 19.581+/-260.686 χ²/NDF: 84.6/65
In: 3.843+/-158.126 χ²/NDF:81.4/54
Out: -396.848+/-153.711 χ²/NDF:99.4/57
All: -202.176+/-110.218 χ²/NDF: 184.1/112

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1521.216+/-0.272 χ^2/NDF: 8920433.4/31

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1325.407+/-0.251 χ^2/NDF: 12227751.2/33

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

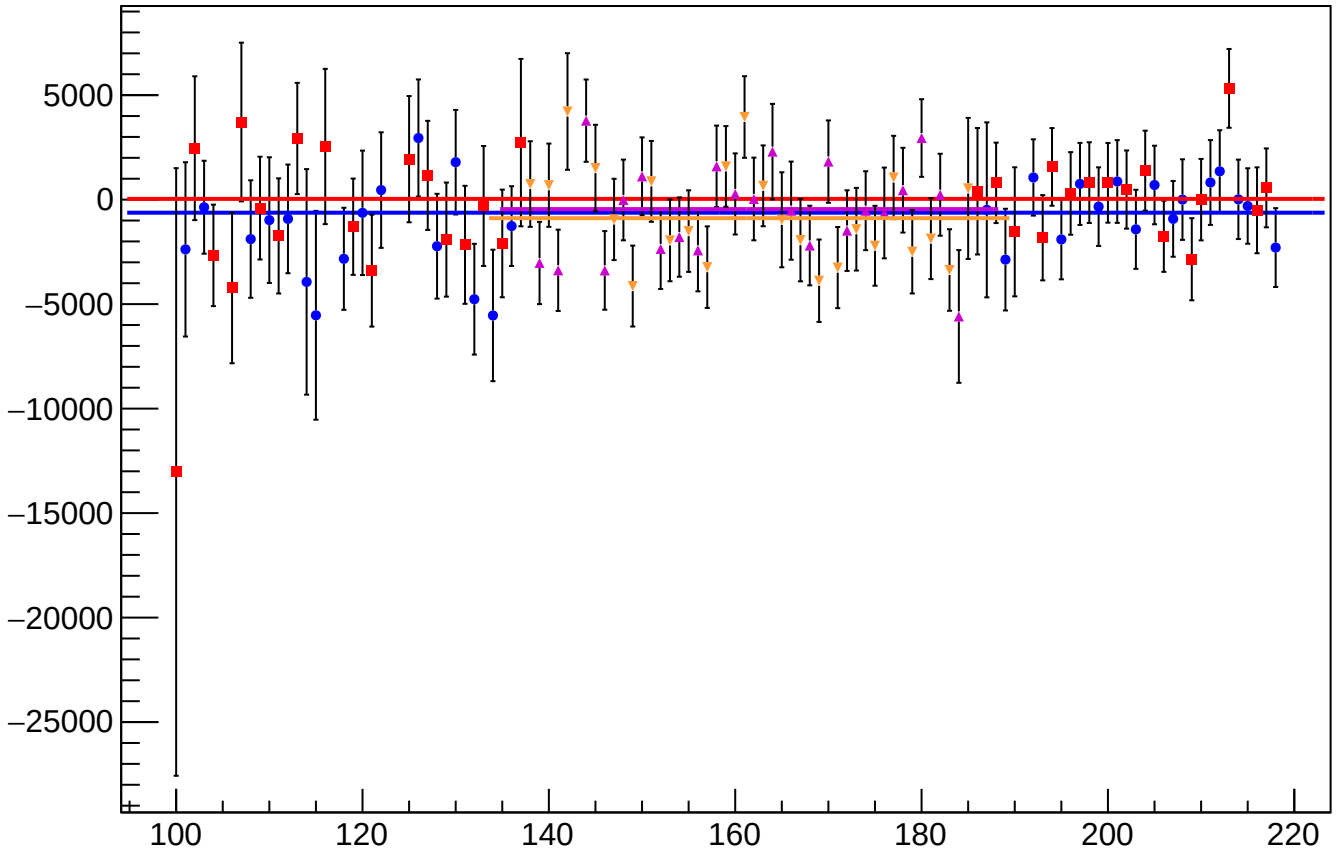
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

Right: 1415.211+/-0.184 χ^2/NDF: 21428351.0/65

In: 869.093+/-0.112 χ^2/NDF:16290818.3/54

Out: 839.311+/-0.109 χ^2/NDF:17550134.7/57

All: 853.781+/-0.078 χ^2/NDF: 33877431.0/1



Right In: -625.079+/-401.791 χ^2/NDF: 17.2/31

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: 36.016+/-403.786 χ^2/NDF: 25.9/33

Left In: -453.236+/-416.200 χ^2/NDF:25.8/22

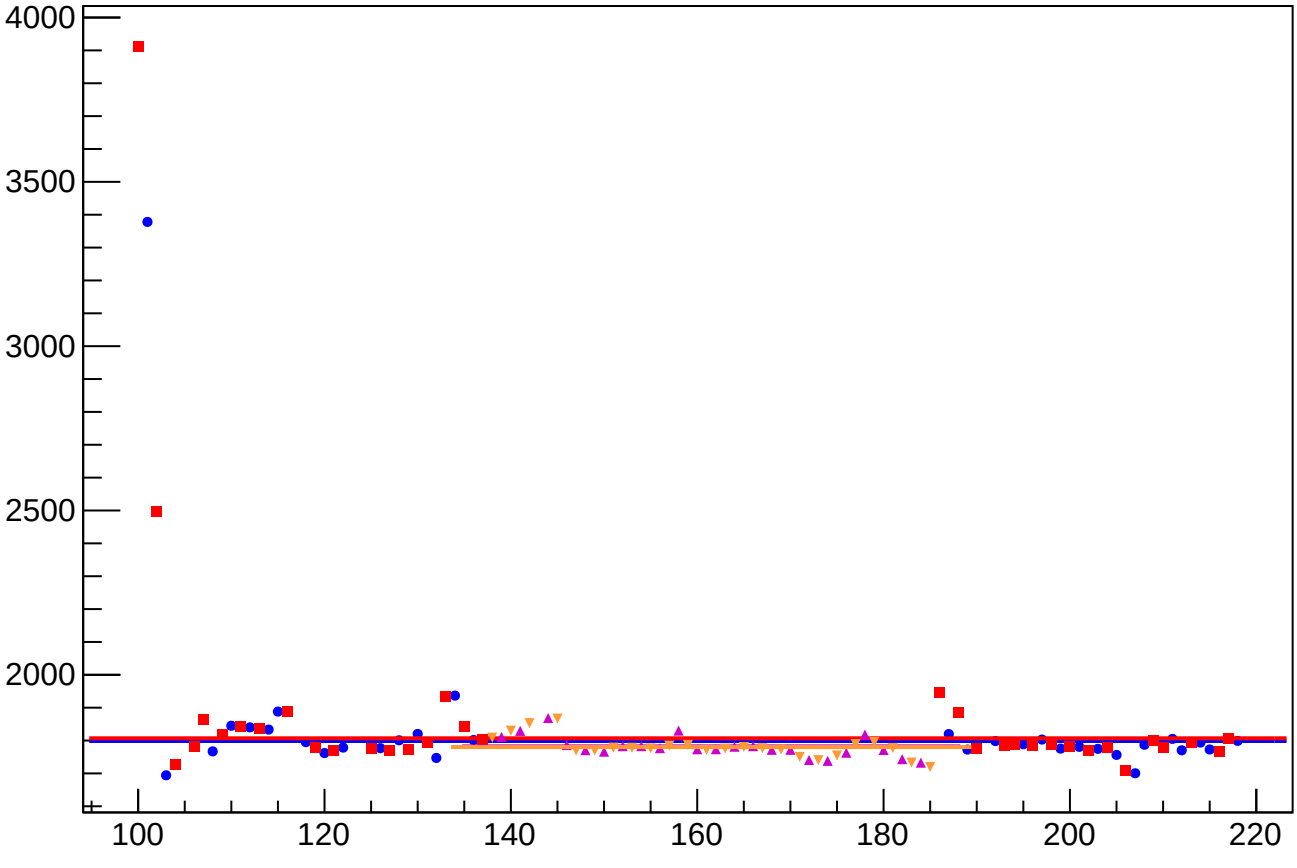
Left: -671.347+/-293.241 χ^2/NDF: 54.5/46

Right: -296.168+/-284.812 χ^2/NDF: 44.5/65

In: -542.184+/-289.069 χ^2/NDF:43.1/54

Out: -414.511+/-288.800 χ^2/NDF:56.6/57

All: -478.288+/-204.307 χ^2/NDF: 99.8/112



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: 1806.850+/-0.286 χ^2/NDF: 150542.1/33

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

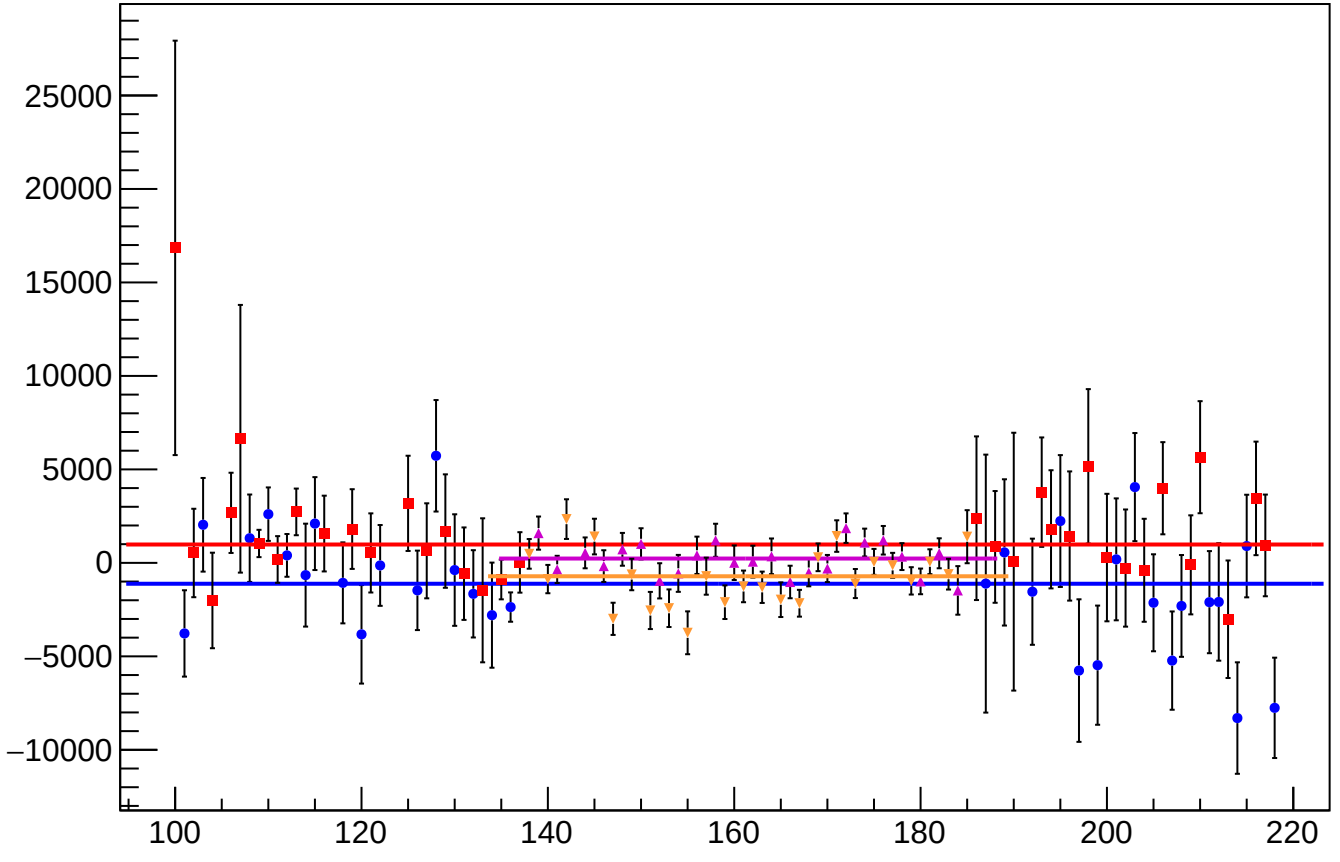
Right: 1802.751+/-0.201 χ^2/NDF: 458419.7/65

In: 1790.784+/-0.204 χ^2/NDF:320305.9/54

Out: 1793.843+/-0.204 χ^2/NDF:165171.3/57

All: 1792.315+/-0.144 χ^2/NDF: 485589.2/112

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1116.700+/-384.933 χ^2/NDF: 47.1/31

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

Right Out: 982.221+/-354.301 χ^2/NDF: 21.4/33

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

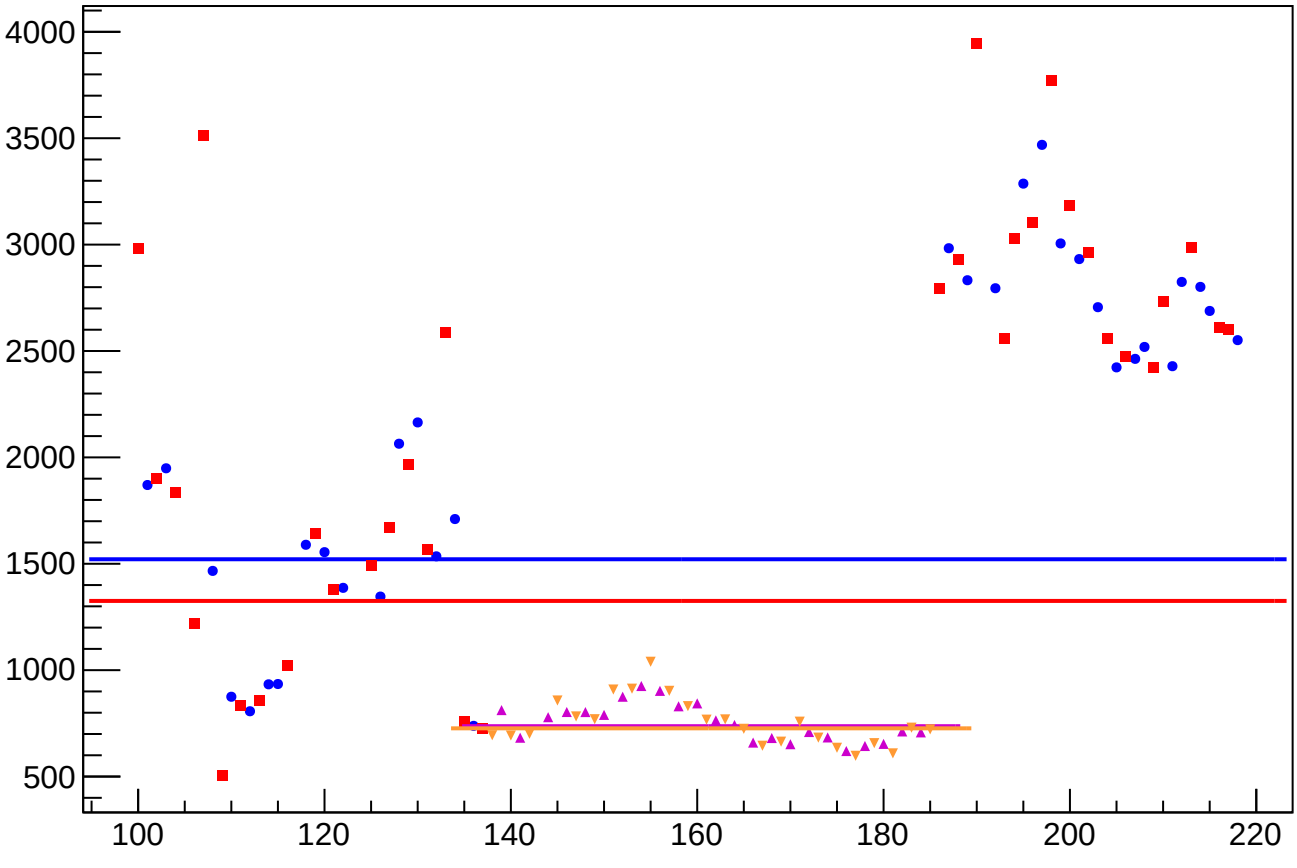
Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

Right: 19.588+/-260.686 χ^2/NDF: 84.6/65

In: 3.843+/-158.126 χ^2/NDF:81.4/54

Out: -396.849+/-153.711 χ^2/NDF:99.4/57

All: -202.175+/-110.218 χ^2/NDF: 184.1/112



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: 1325.410+/-0.251 χ^2/NDF: 12227711.4/33

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

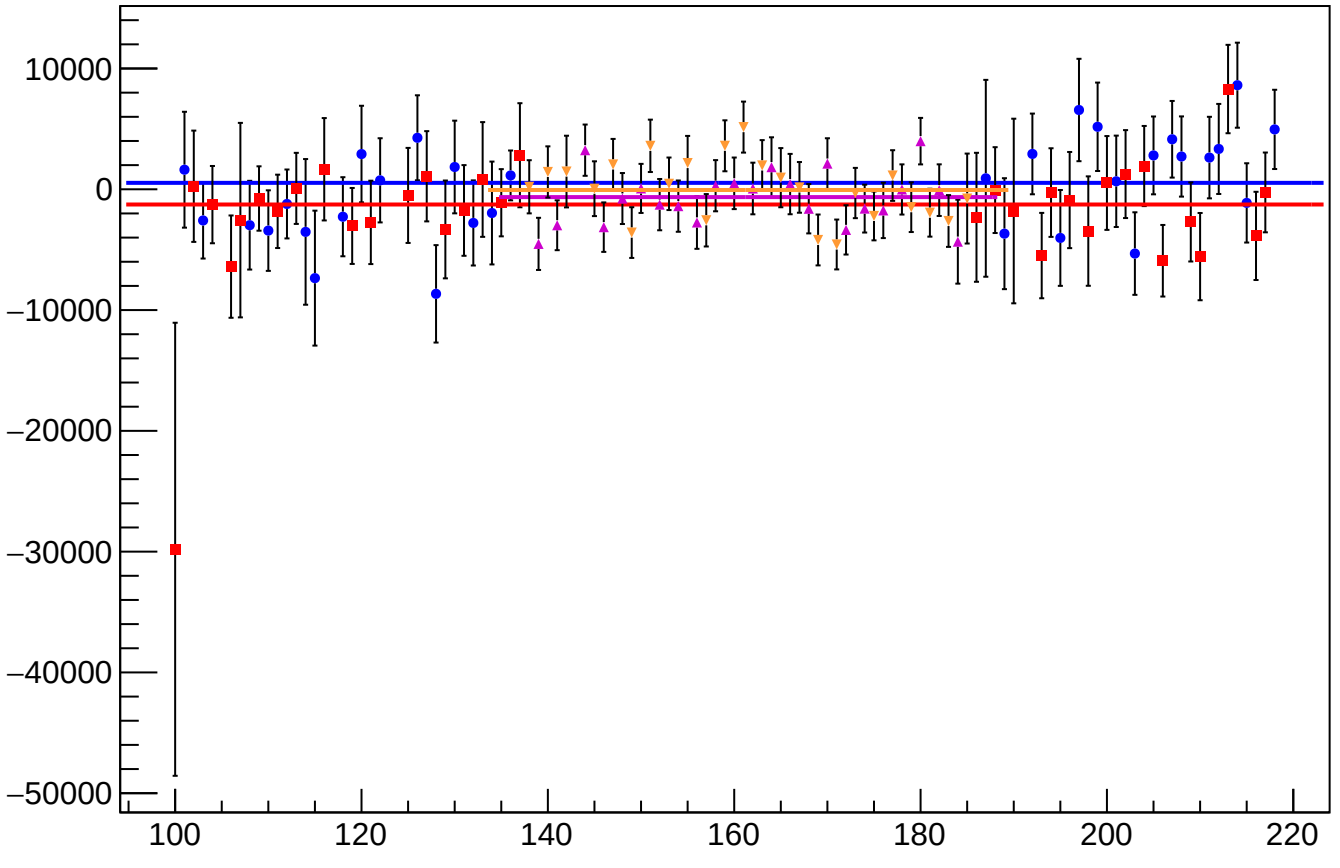
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1415.214+/-0.184 χ^2/NDF: 21428251.8/65

In: 869.093+/-0.112 χ^2/NDF:16290821.3/54

Out: 839.312+/-0.109 χ^2/NDF:17550118.1/57

All: 853.781+/-0.078 χ^2/NDF: 33877415.3/1



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: -1259.657+/-635.597 χ^2/NDF: 22.0/33

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

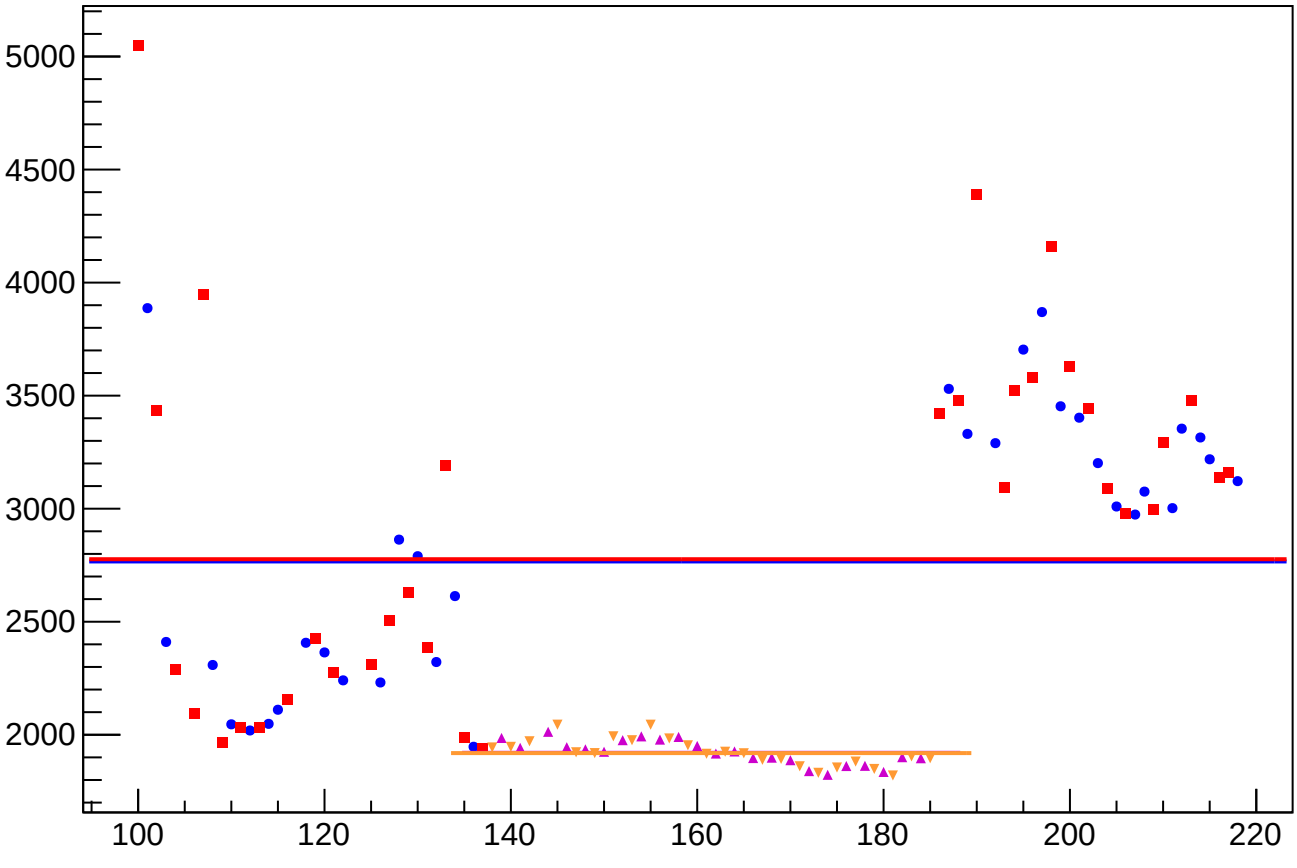
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -354.880+/-447.266 χ^2/NDF: 60.8/65

In: -249.716+/-365.295 χ^2/NDF:60.8/54

Out: -455.055+/-364.866 χ^2/NDF:57.4/57

All: -352.506+/-258.151 χ^2/NDF: 118.3/112



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: 2776.529+/-0.449 χ^2/NDF: 1993648.4/33

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

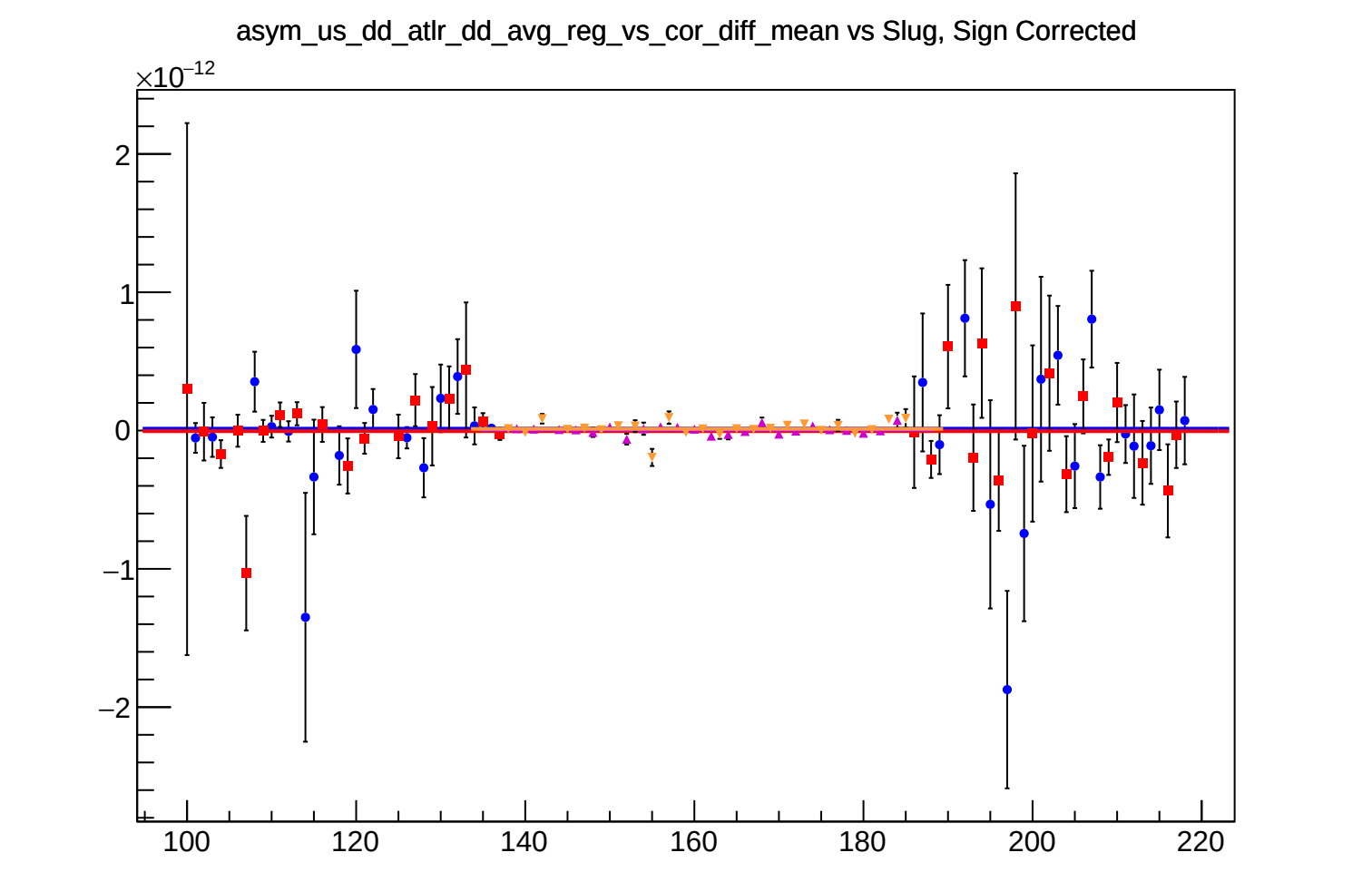
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2771.541+/-0.316 χ^2/NDF: 3643439.8/65

In: 2205.237+/-0.258 χ^2/NDF:4077762.1/54

Out: 2201.572+/-0.258 χ^2/NDF:4470212.7/57

All: 2203.403+/-0.183 χ^2/NDF: 8548075.6/11



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: 35.1/33

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

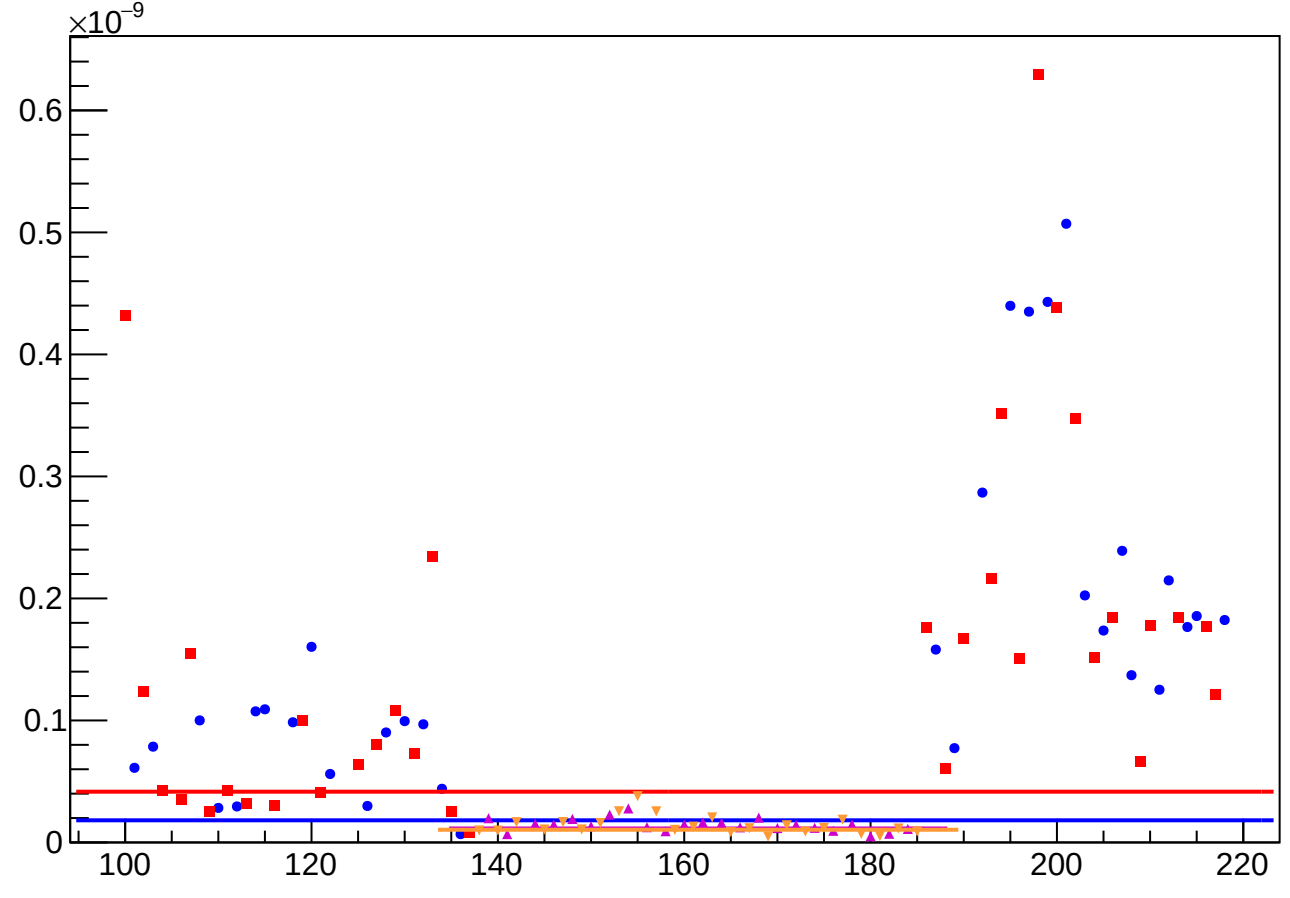
Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

Right: 0.000+/-0.000 χ^2/NDF: 75.2/65

In: 0.000+/-0.000 χ^2/NDF:59.7/54

Out: 0.000+/-0.000 χ^2/NDF:73.7/57

All: 0.000+/-0.000 χ^2/NDF: 134.5/112



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: 8964429.9/33

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

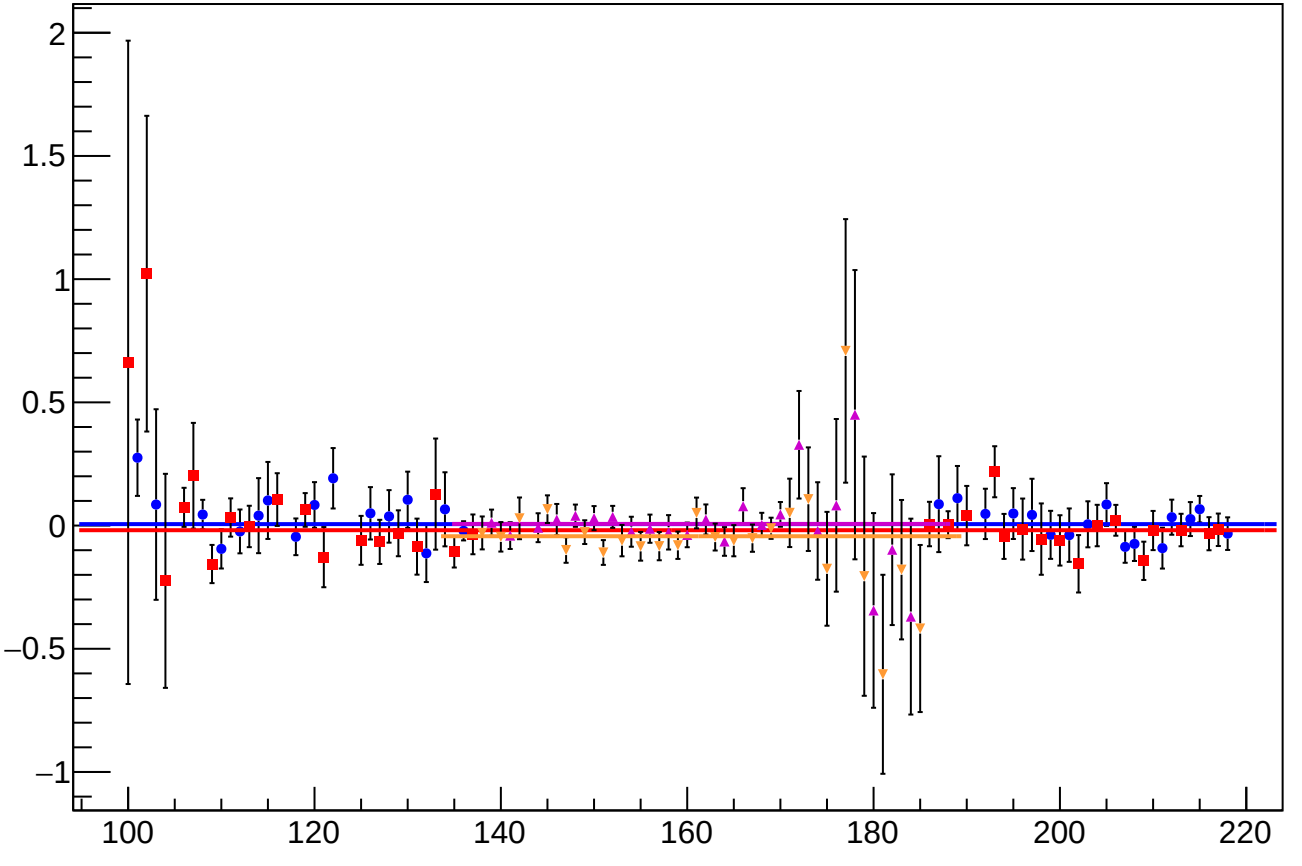
Right: 0.000+/-0.000 χ^2/NDF: 23700703.4/65

In: 0.000+/-0.000 χ^2/NDF:15479505.3/54

Out: 0.000+/-0.000 χ^2/NDF:14678071.1/57

All: 0.000+/-0.000 χ^2/NDF: 30170770.5/112

asym_us_dd_atlr_dd_avg_dit_vs_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: -0.019+/-0.015 χ^2/NDF: 26.5/33

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

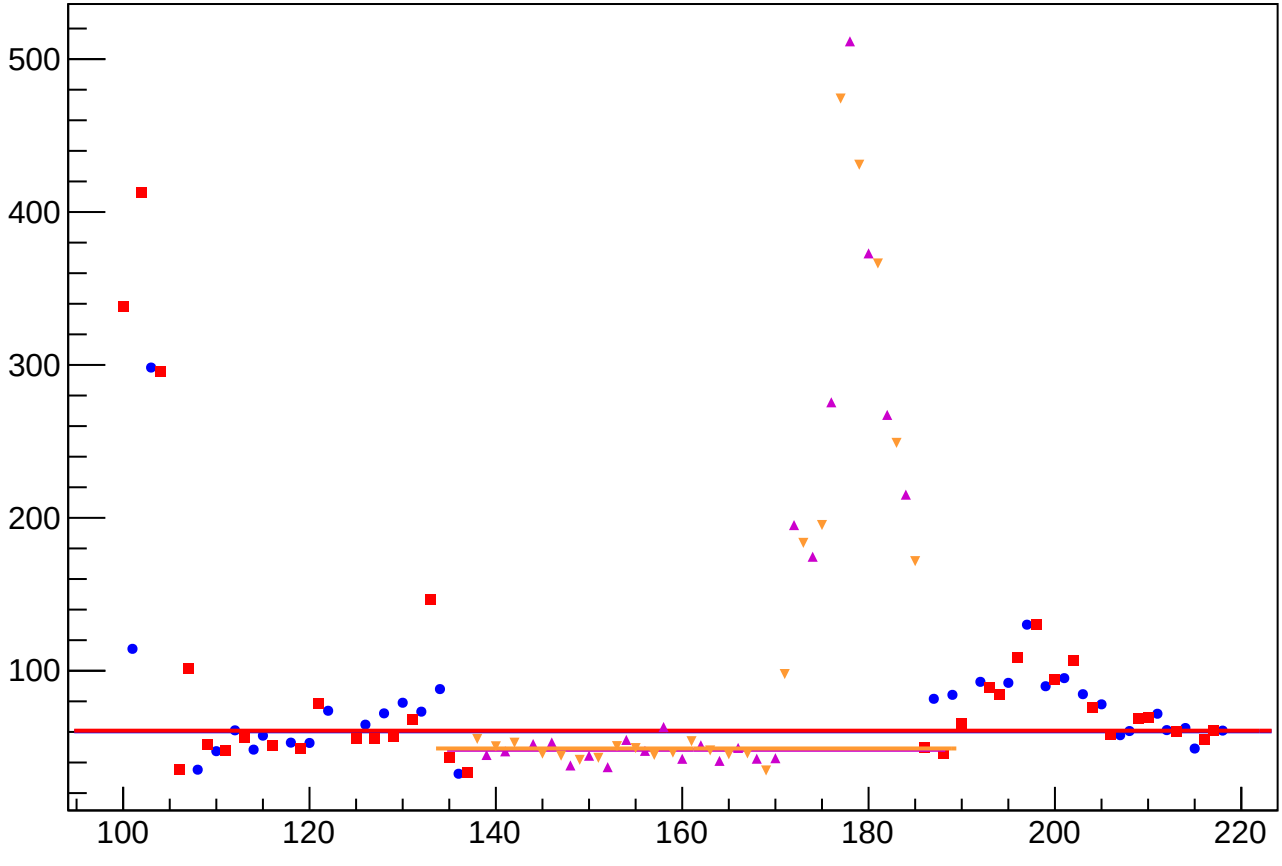
Right: -0.006+/-0.011 χ^2/NDF: 48.6/65

In: 0.006+/-0.010 χ^2/NDF:32.1/54

Out: -0.032+/-0.010 χ^2/NDF:46.7/57

All: -0.013+/-0.007 χ^2/NDF: 86.0/112

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: 60.813+/-0.011 χ^2/NDF: 4335289.4/33

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

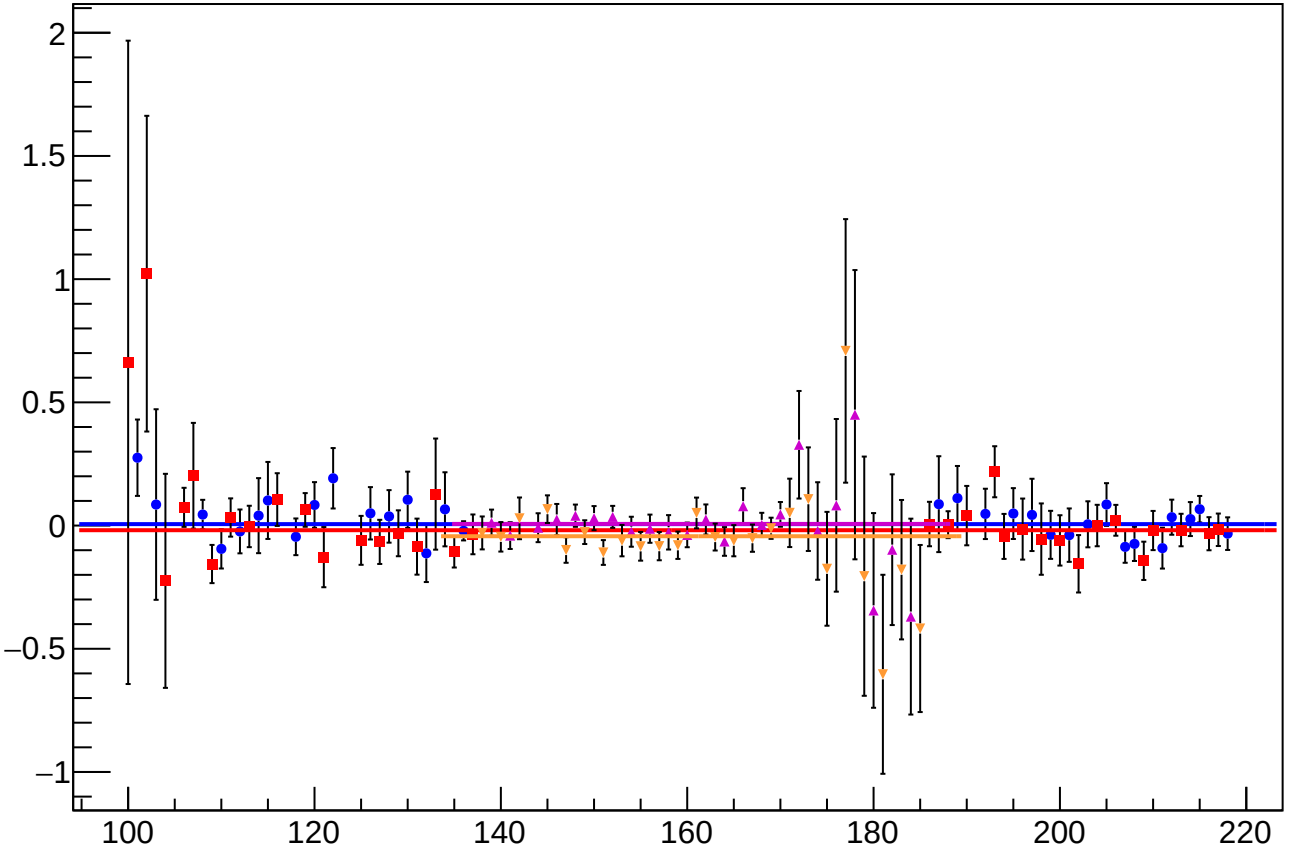
Right: 60.605+/-0.008 χ^2/NDF: 8671266.2/65

In: 53.717+/-0.007 χ^2/NDF:12091608.7/54

Out: 54.459+/-0.007 χ^2/NDF:12220599.4/57

All: 54.080+/-0.005 χ^2/NDF: 24317546.9/112

asym_us_dd_atlr_dd_avg_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: -0.019+/-0.015 χ^2/NDF: 26.5/33

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

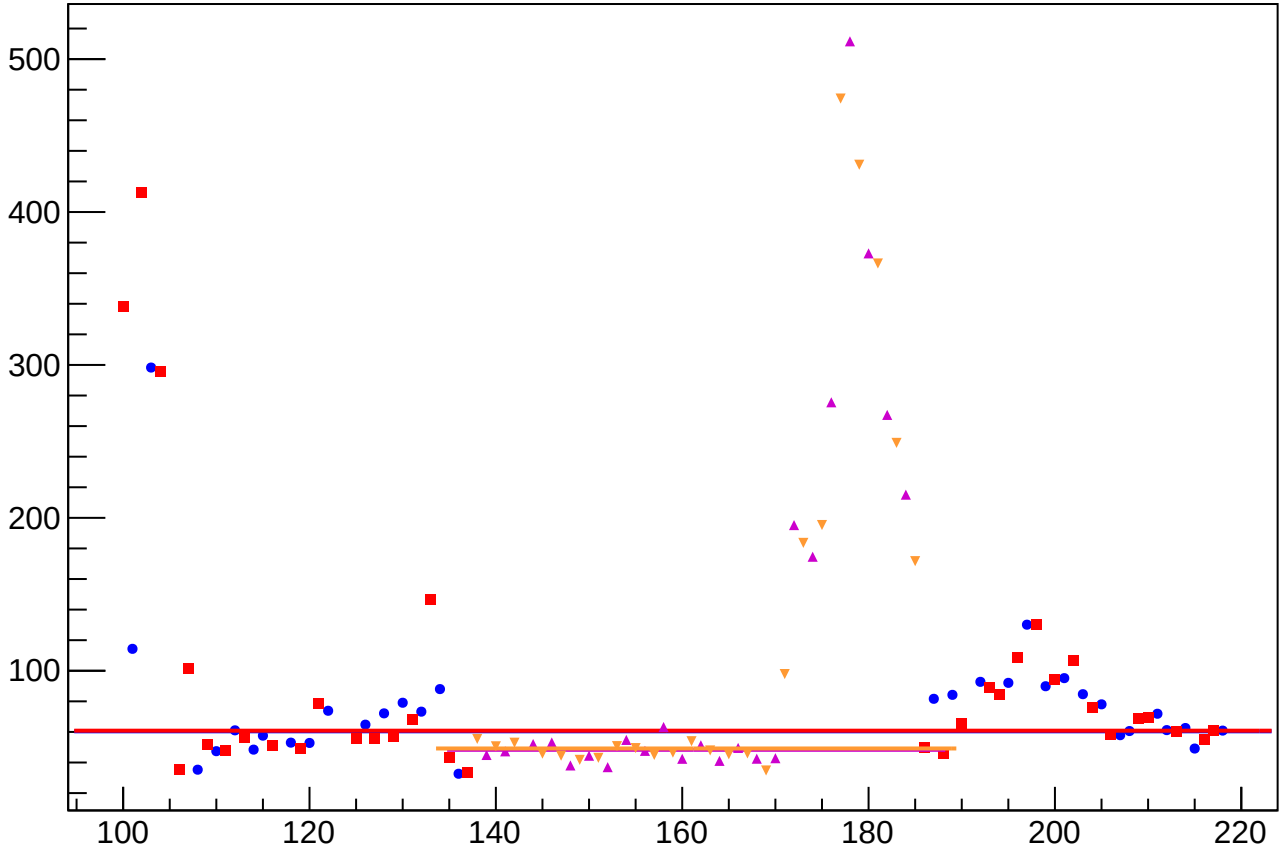
Right: -0.006+/-0.011 χ^2/NDF: 48.6/65

In: 0.006+/-0.010 χ^2/NDF:32.1/54

Out: -0.032+/-0.010 χ^2/NDF:46.7/57

All: -0.013+/-0.007 χ^2/NDF: 86.0/112

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: 60.813+/-0.011 χ^2/NDF: 4335289.4/33

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

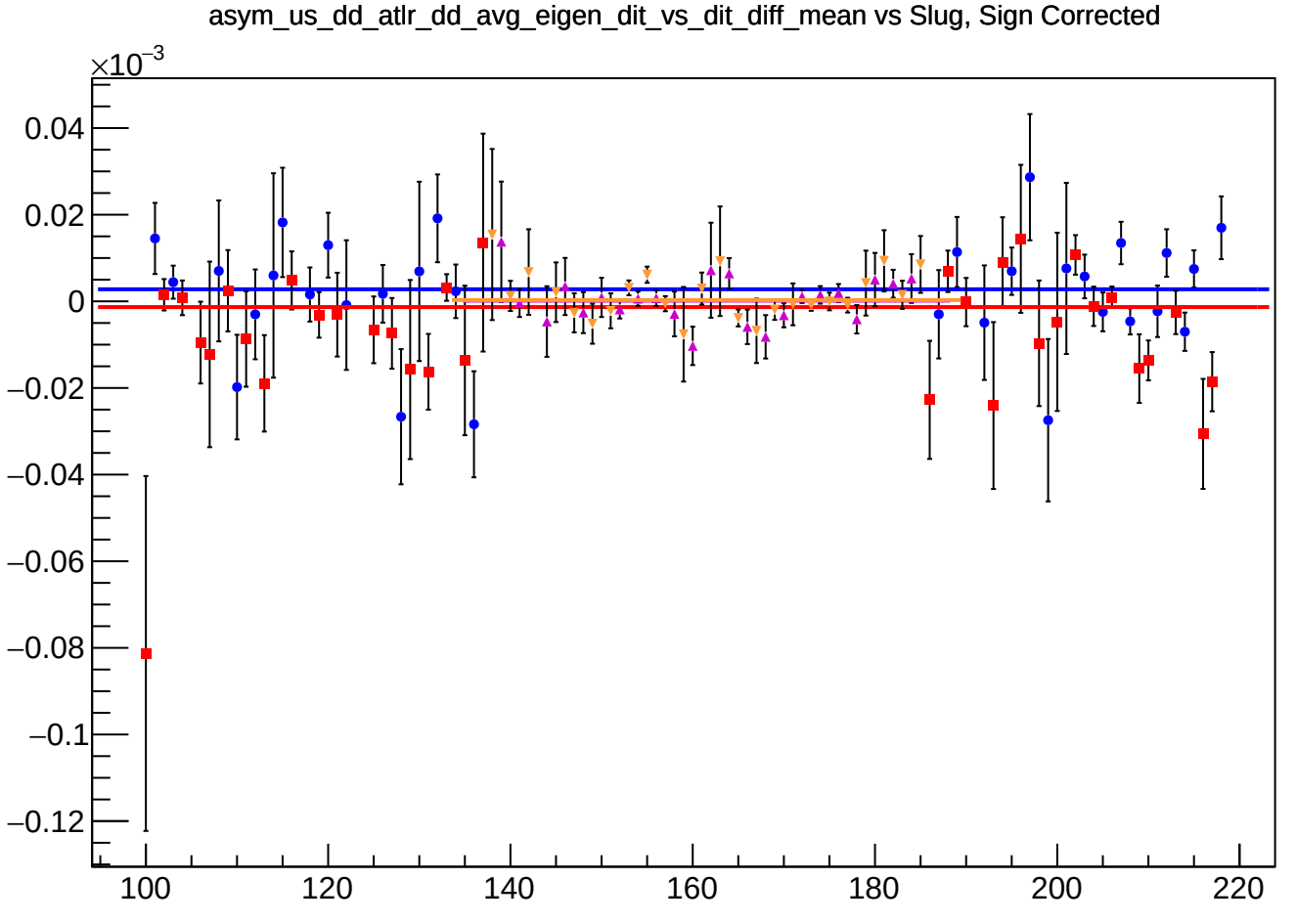
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 60.605+/-0.008 χ^2/NDF: 8671266.2/65

In: 53.717+/-0.007 χ^2/NDF:12091608.7/54

Out: 54.459+/-0.007 χ^2/NDF:12220599.4/57

All: 54.080+/-0.005 χ^2/NDF: 24317546.9/112



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: 56.2/33

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

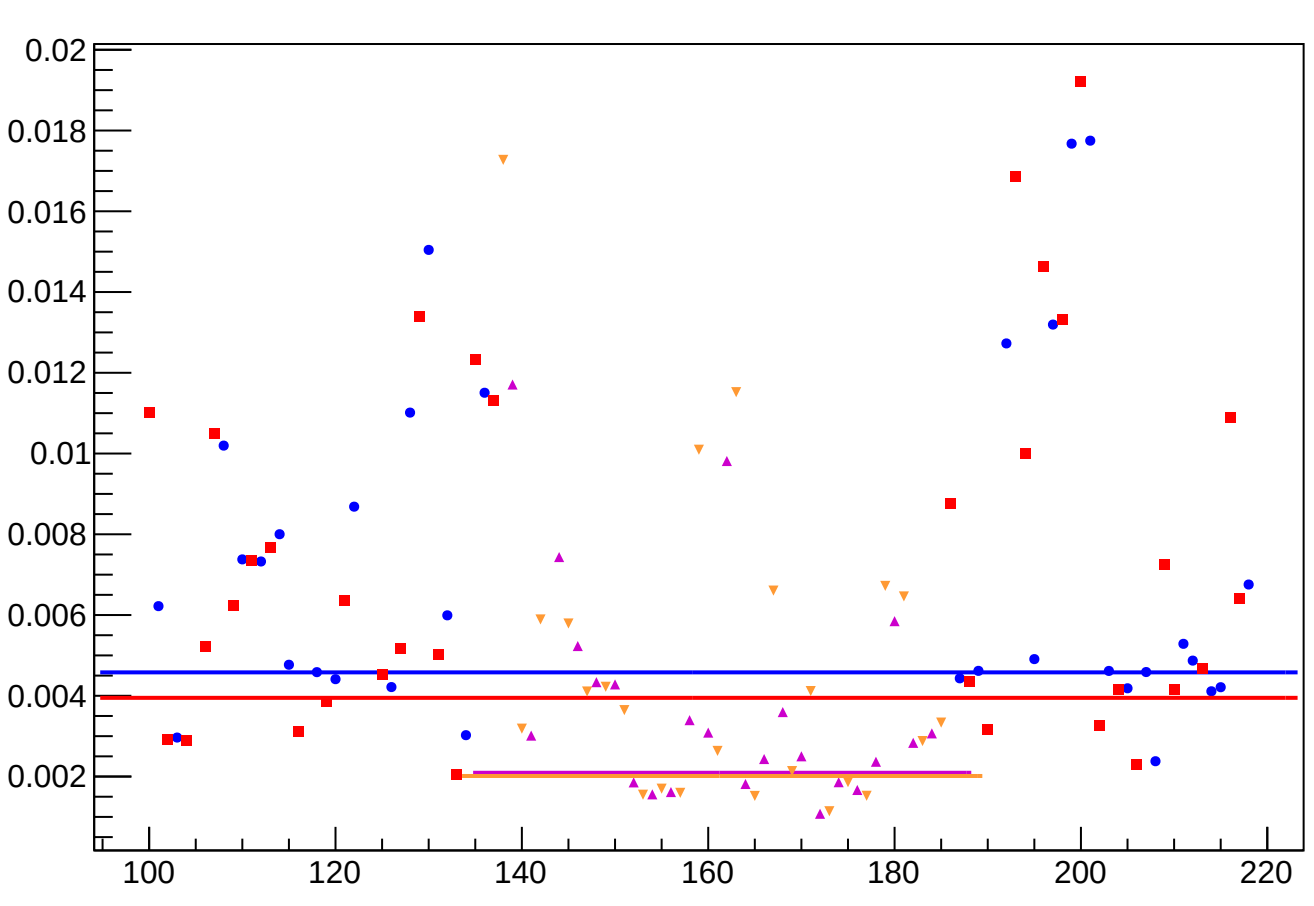
Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

Right: 0.000+/-0.000 χ^2/NDF: 119.0/65

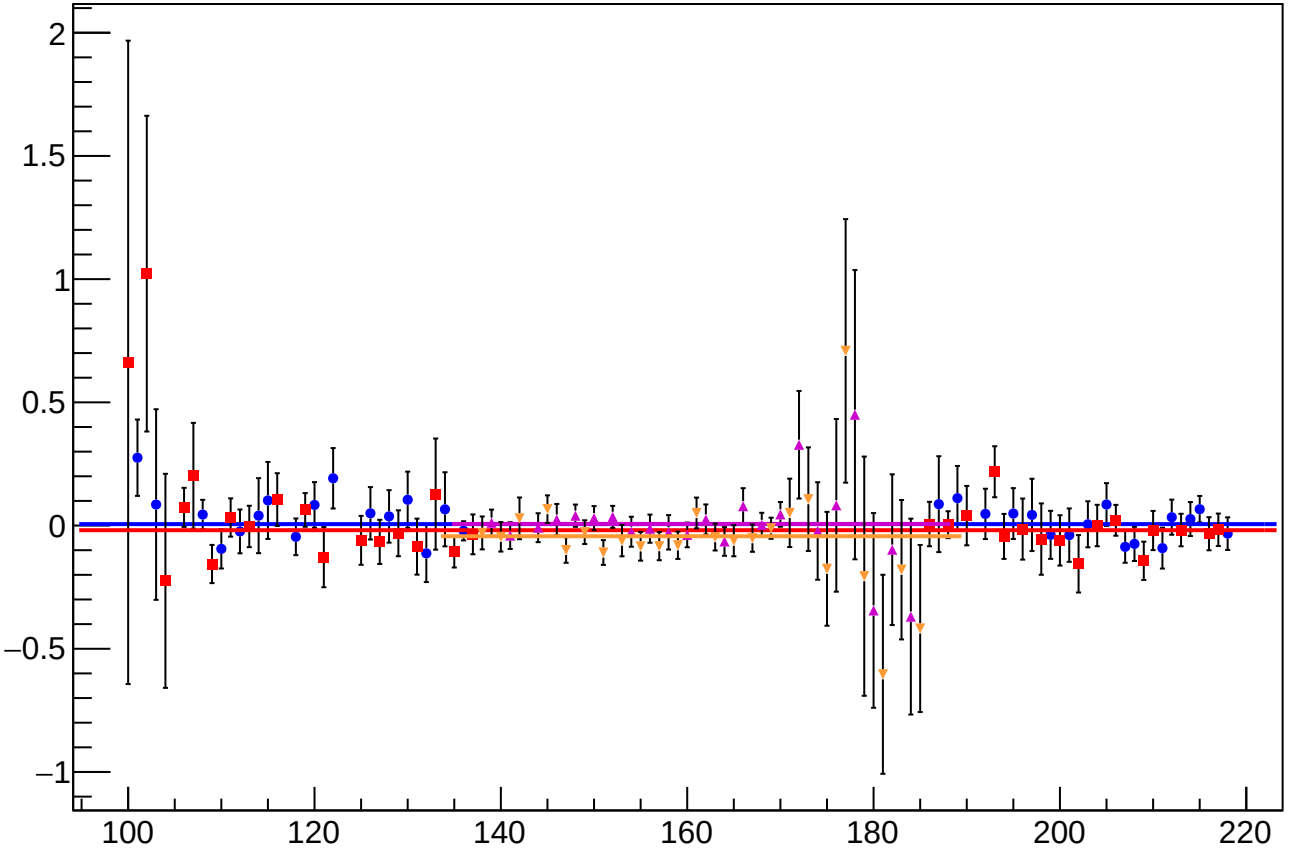
In: 0.000+/-0.000 χ^2/NDF:85.2/54

Out: -0.000+/-0.000 χ^2/NDF:86.9/57

All: 0.000+/-0.000 χ^2/NDF: 173.3/112


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.005+/-0.000 χ²/NDF: 7442818.2/31
Left Out: 0.002+/-0.000 χ²/NDF:10262318.5/23
Right Out: 0.004+/-0.000 χ²/NDF: 9956693.7/33
Left In: 0.002+/-0.000 χ²/NDF:7141979.6/22
Left: 0.002+/-0.000 χ²/NDF: 17422562.9/46
Right: 0.004+/-0.000 χ²/NDF: 17720688.2/65
In: 0.003+/-0.000 χ²/NDF:21711470.5/54
Out: 0.002+/-0.000 χ²/NDF:25455466.4/57
All: 0.003+/-0.000 χ²/NDF: 47280577.5/112

asym_us_dd_atlr_dd_avg_eigen_dit_vs_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: -0.019+/-0.015 χ^2/NDF: 26.5/33

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

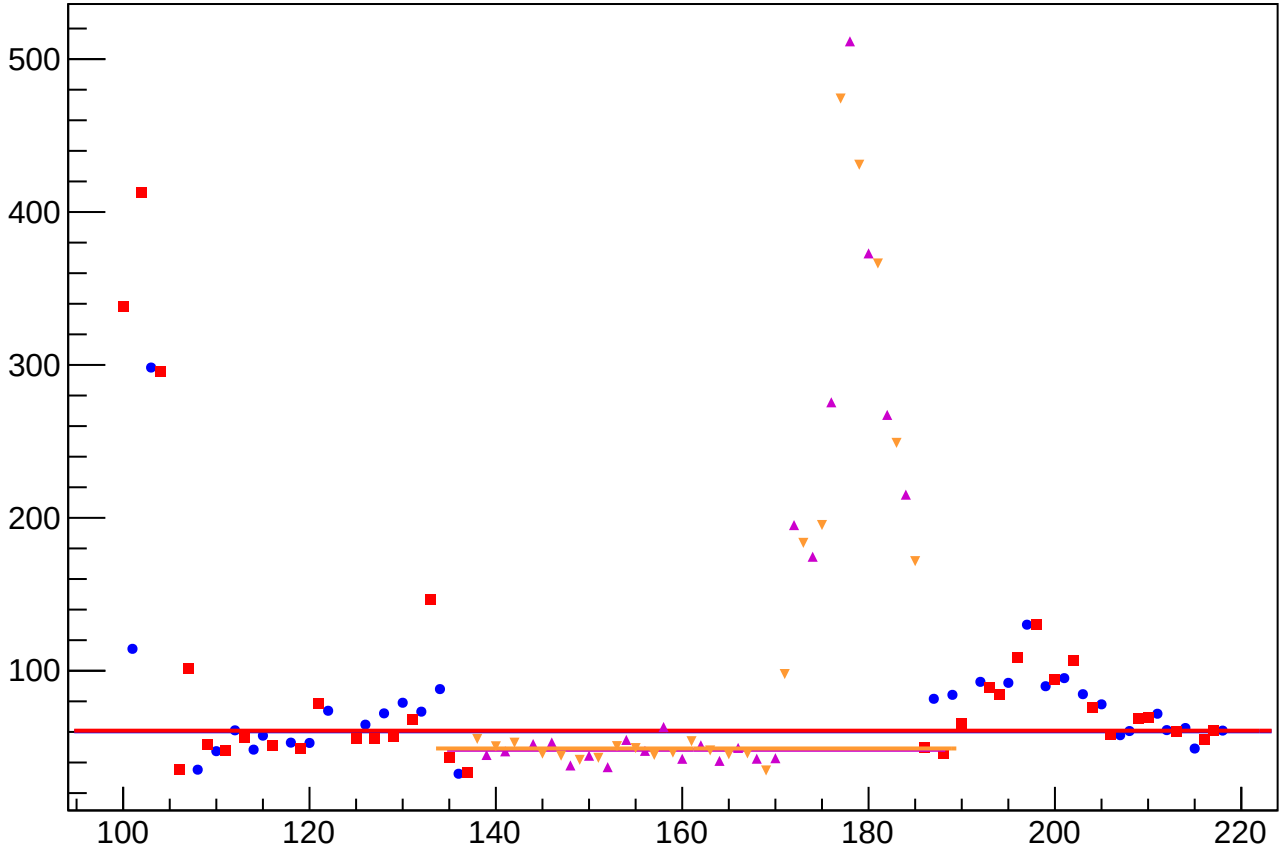
Right: -0.006+/-0.011 χ^2/NDF: 48.6/65

In: 0.006+/-0.010 χ^2/NDF:32.1/54

Out: -0.032+/-0.010 χ^2/NDF:46.7/57

All: -0.013+/-0.007 χ^2/NDF: 86.0/112

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: 60.813+/-0.011 χ^2/NDF: 4335141.7/33

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

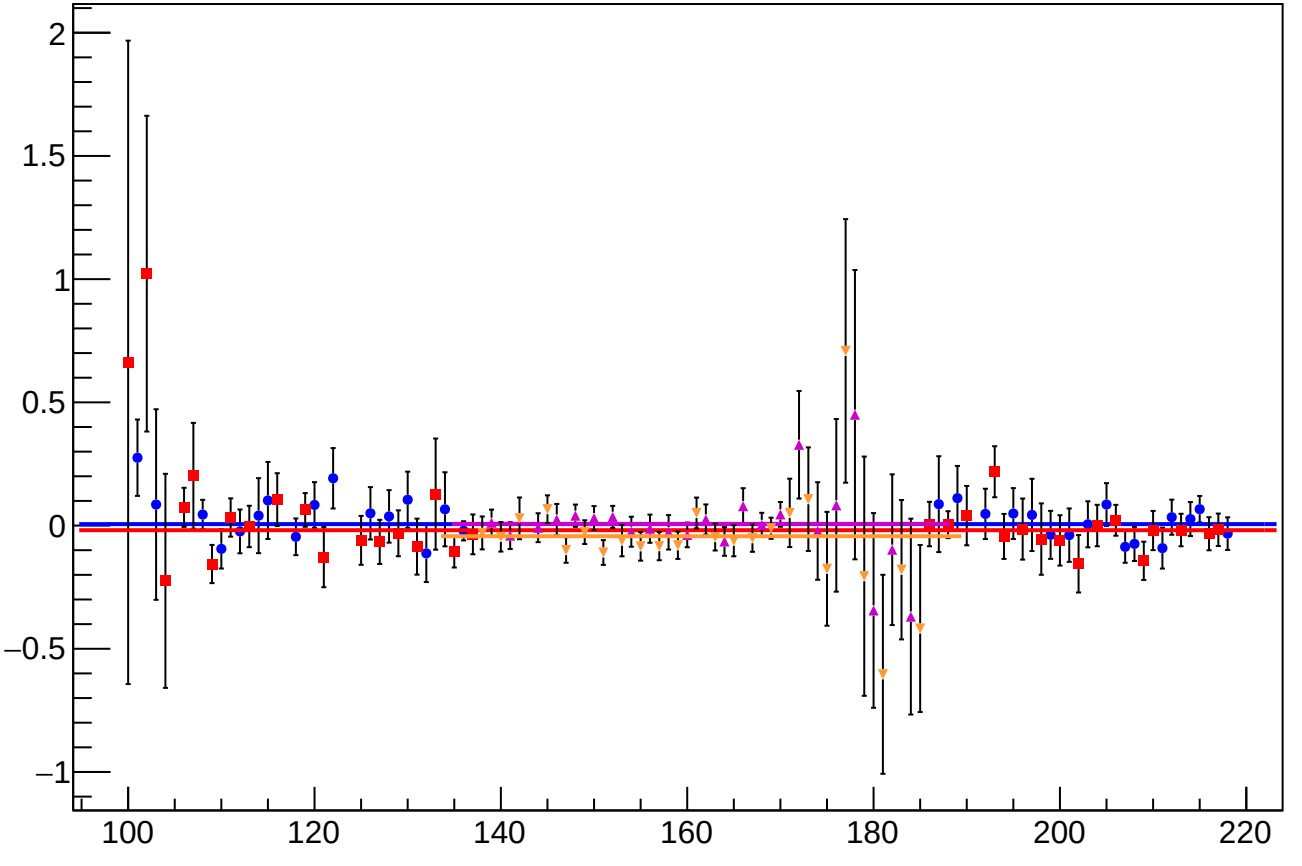
Right: 60.605+/-0.008 χ^2/NDF: 8670948.6/65

In: 53.717+/-0.007 χ^2/NDF:12091356.4/54

Out: 54.459+/-0.007 χ^2/NDF:12220564.6/57

All: 54.080+/-0.005 χ^2/NDF: 24317256.2/112

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: -0.019+/-0.015 χ^2/NDF: 26.5/33

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

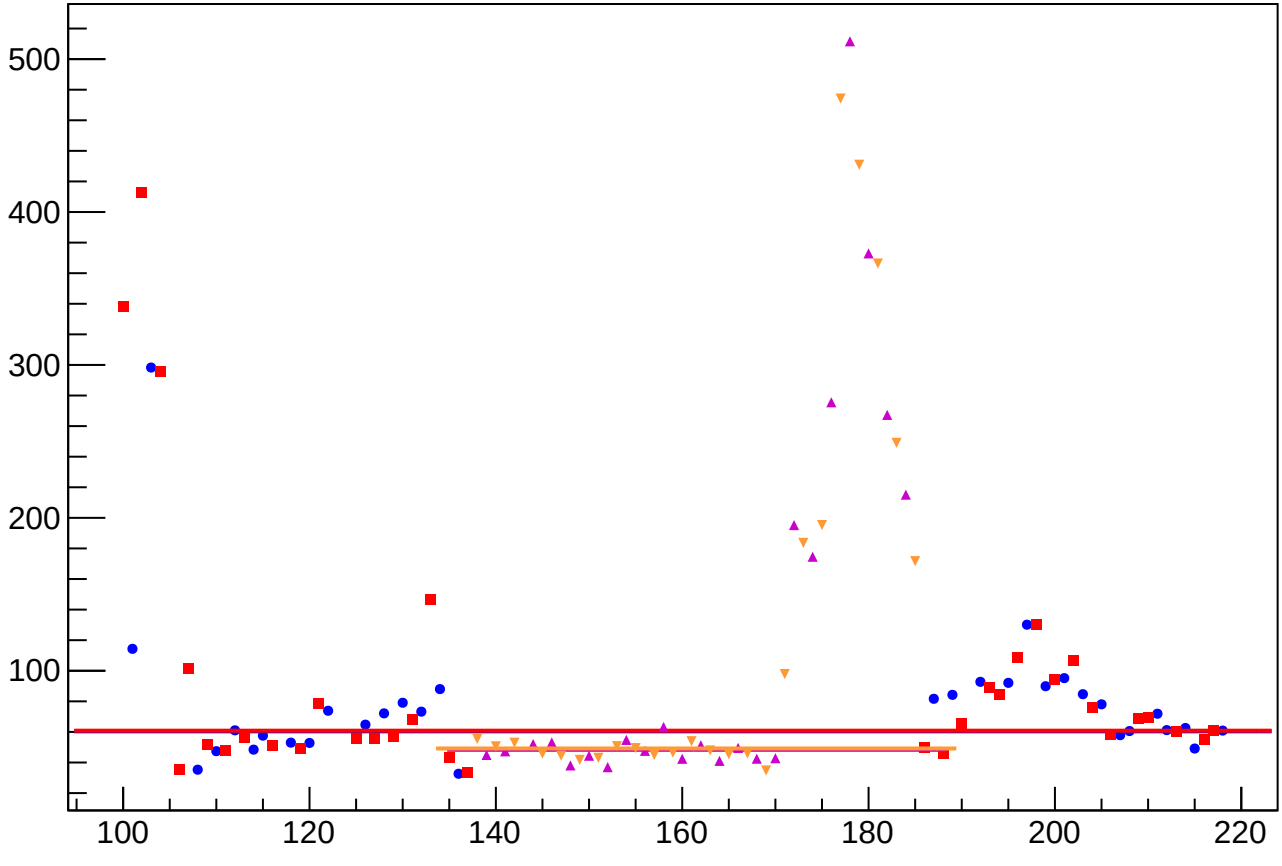
Right: -0.006+/-0.011 χ^2/NDF: 48.6/65

In: 0.006+/-0.010 χ^2/NDF:32.1/54

Out: -0.032+/-0.010 χ^2/NDF:46.7/57

All: -0.013+/-0.007 χ^2/NDF: 86.0/112

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: 60.813+/-0.011 χ^2/NDF: 4335141.7/33

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

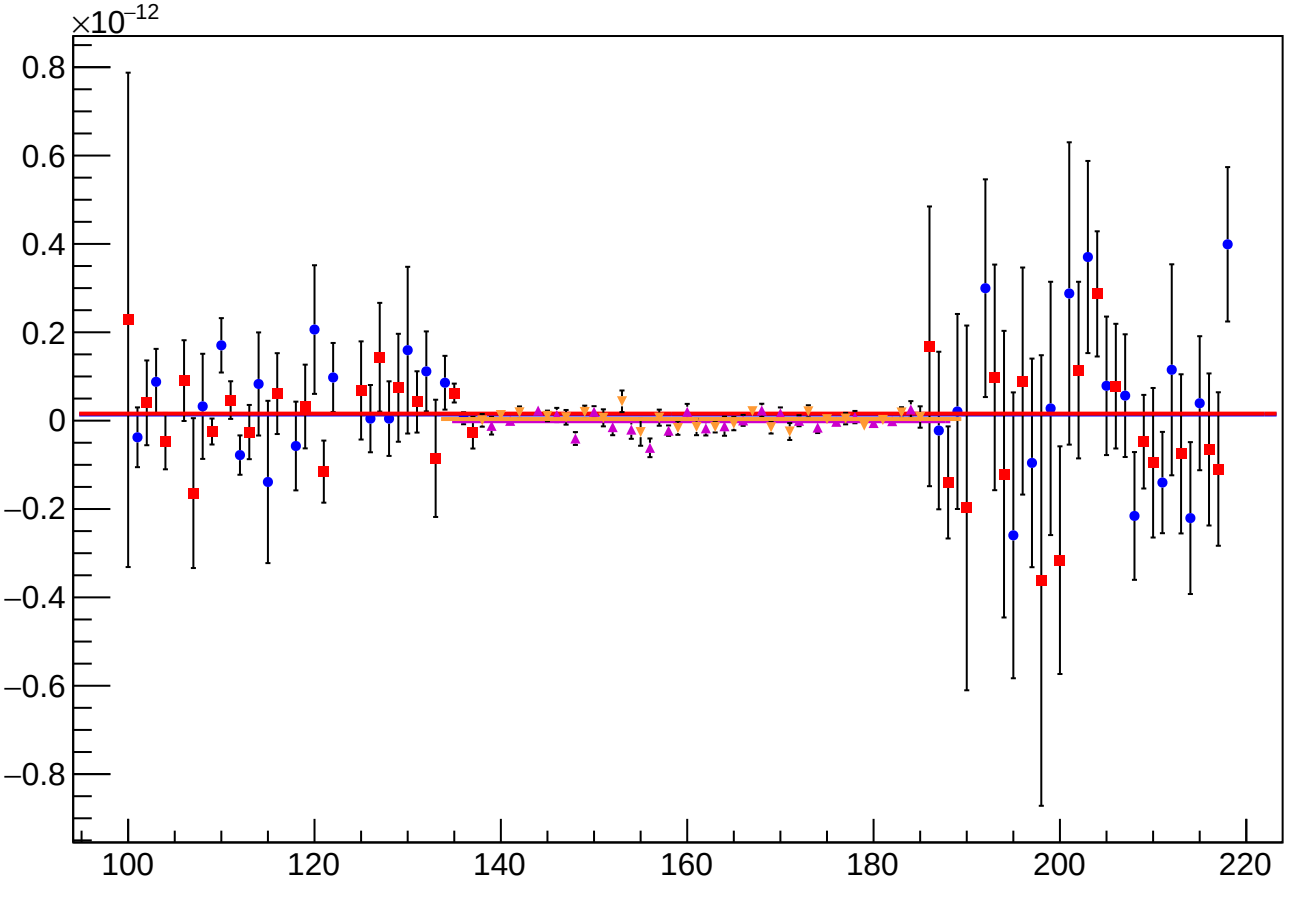
Right: 60.605+/-0.008 χ^2/NDF: 8670948.6/65

In: 53.717+/-0.007 χ^2/NDF:12091356.4/54

Out: 54.459+/-0.007 χ^2/NDF:12220564.6/57

All: 54.080+/-0.005 χ^2/NDF: 24317256.2/112

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 37.5/31

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.5/33

Left In: -0.000+/-0.000 χ^2/NDF:40.0/22

Left: 0.000+/-0.000 χ^2/NDF: 66.3/46

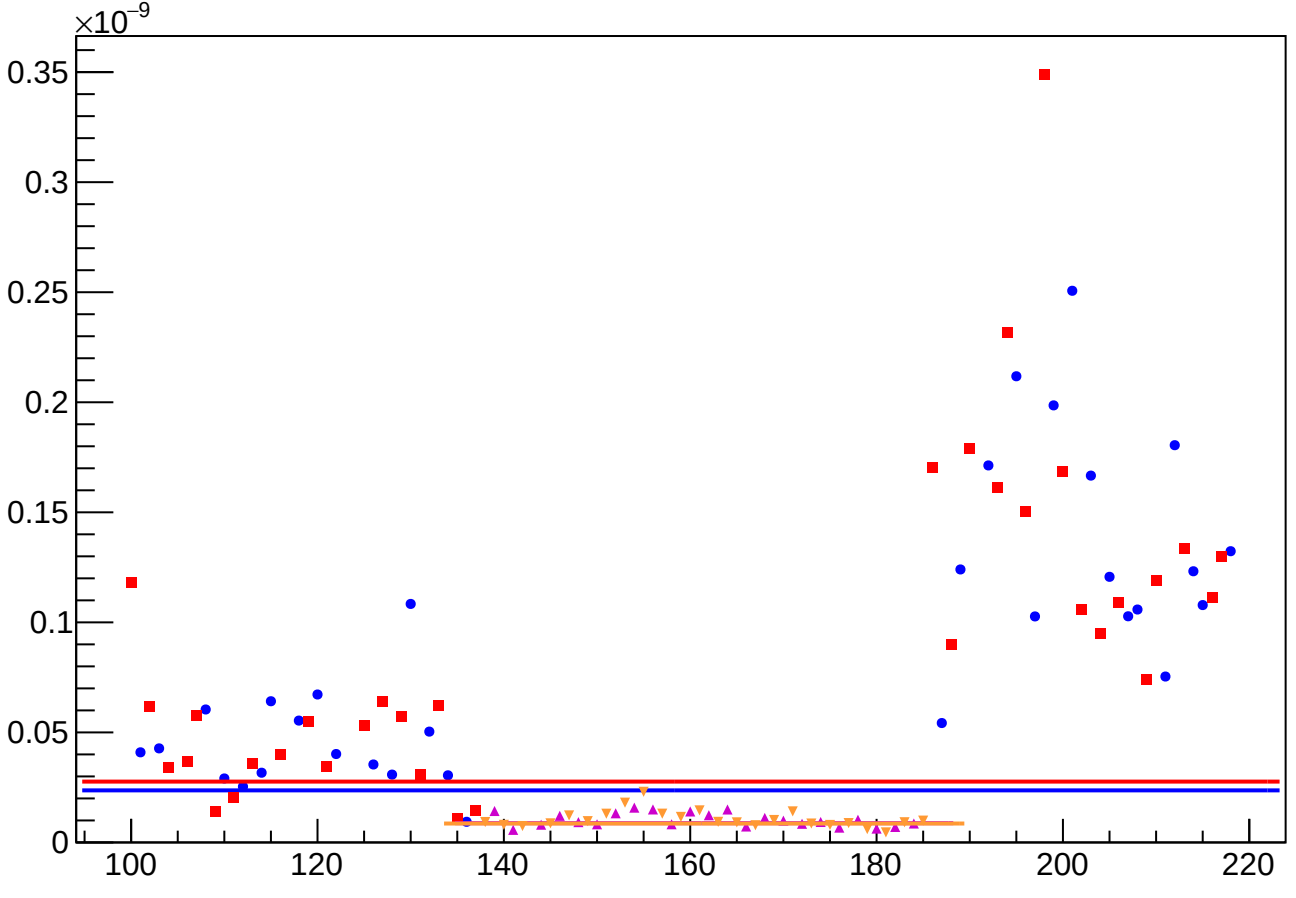
Right: 0.000+/-0.000 χ^2/NDF: 66.0/65

In: -0.000+/-0.000 χ^2/NDF:79.3/54

Out: 0.000+/-0.000 χ^2/NDF:54.1/57

All: 0.000+/-0.000 χ^2/NDF: 135.0/112

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 13890832.1/31

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11750139.1/33

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

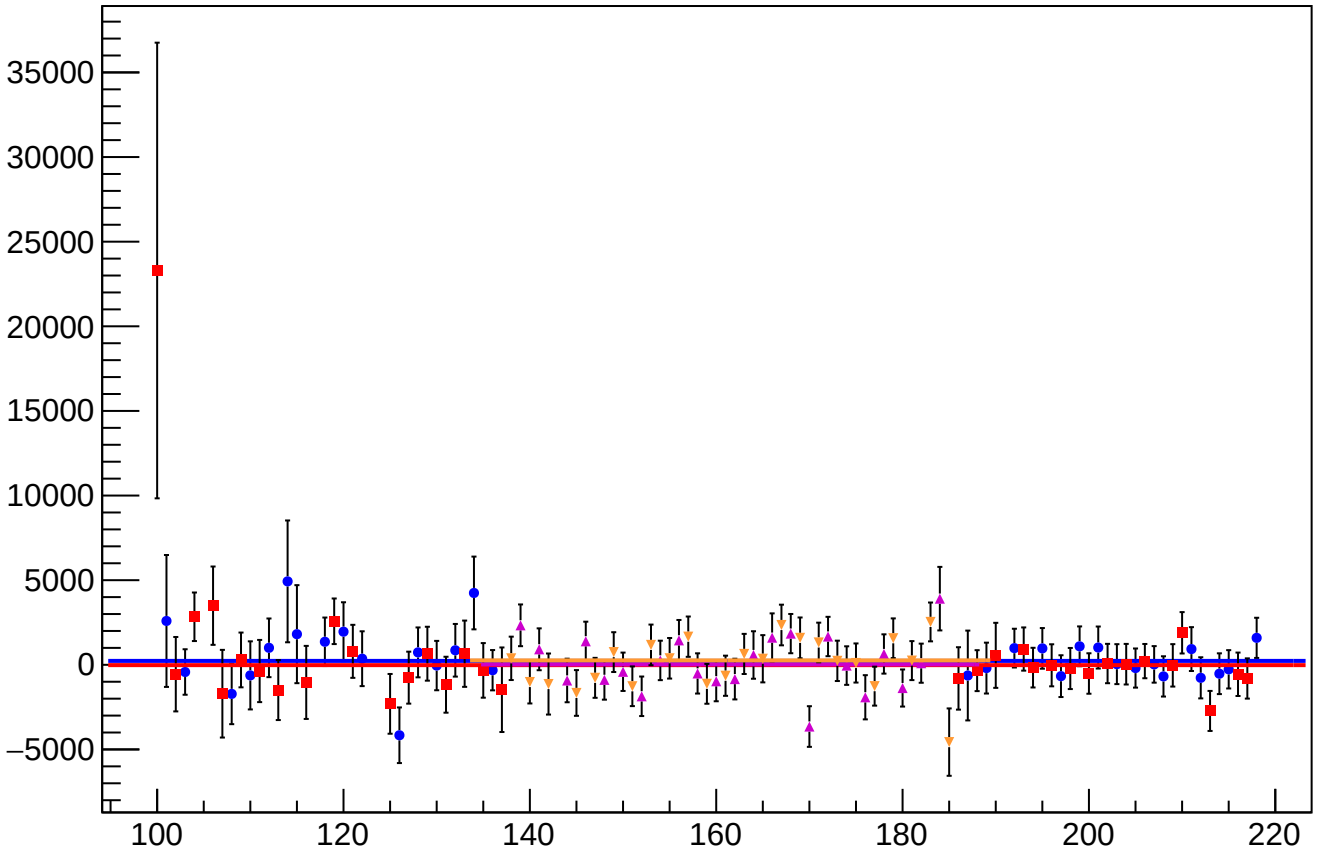
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 25760317.2/65

In: 0.000+/-0.000 χ^2/NDF:19313795.7/54

Out: 0.000+/-0.000 χ^2/NDF:18990753.2/57

All: 0.000+/-0.000 χ^2/NDF: 38306856.9/112



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: -19.193+/-250.937 χ^2/NDF: 27.3/33

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

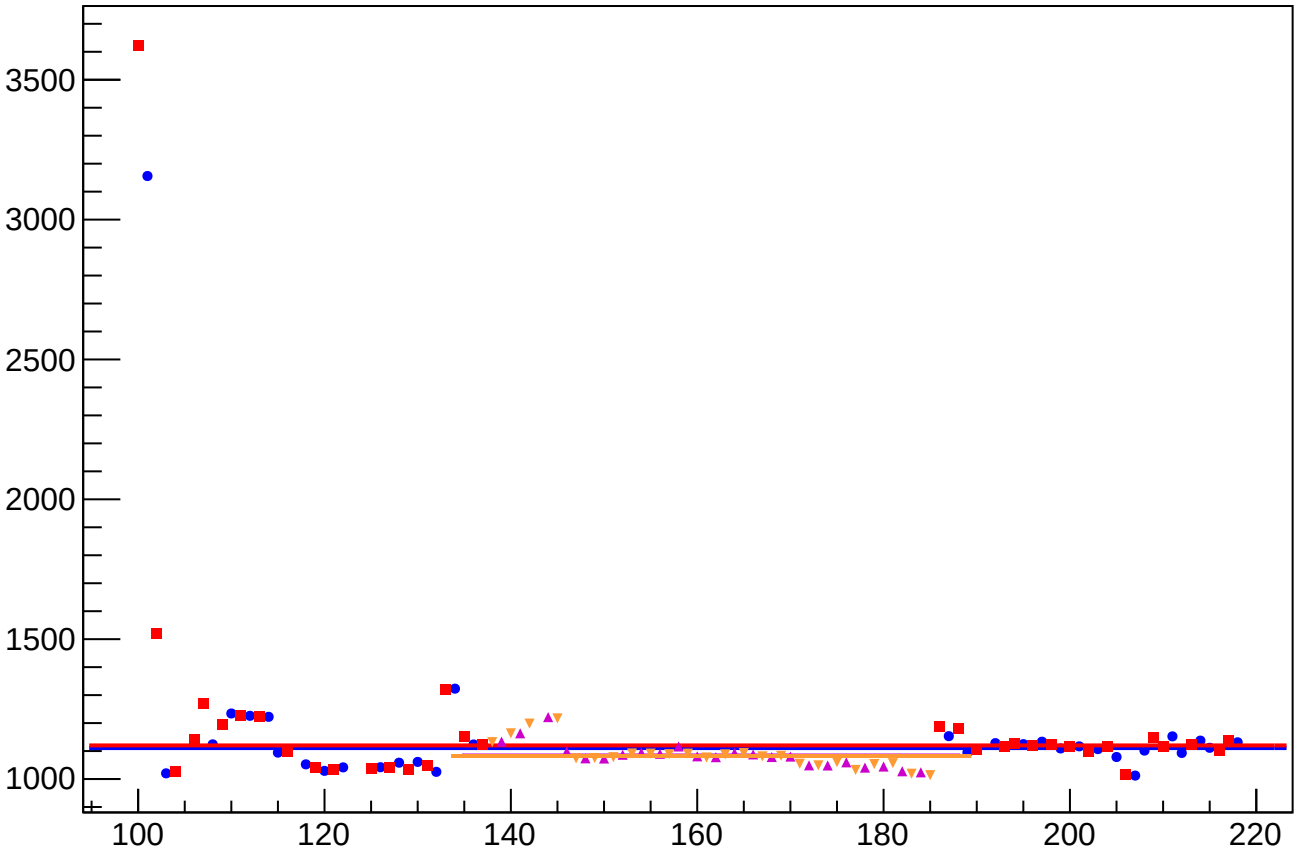
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 107.022+/-176.828 χ^2/NDF: 50.9/65

In: 128.652+/-177.660 χ^2/NDF:59.2/54

Out: 120.470+/-177.603 χ^2/NDF:56.1/57

All: 124.560+/-125.605 χ^2/NDF: 115.3/112



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: 1120.166+/-0.177 χ^2/NDF: 253393.7/33

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

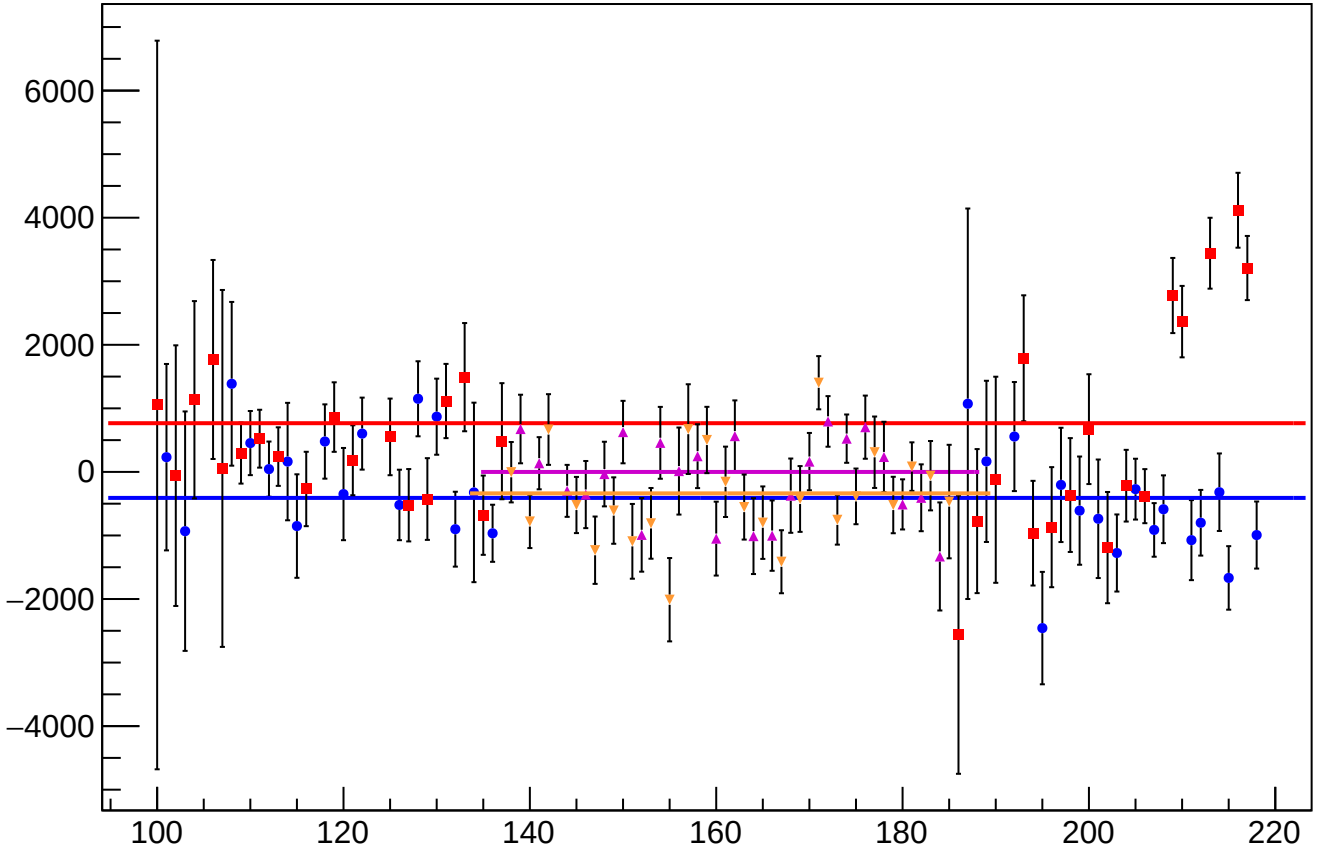
Right: 1115.379+/-0.125 χ^2/NDF: 903116.8/65

In: 1097.628+/-0.126 χ^2/NDF:712830.0/54

Out: 1101.272+/-0.126 χ^2/NDF:333986.1/57

All: 1099.451+/-0.089 χ^2/NDF: 1047236.8/11

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -409.067+/-112.959 χ^2/NDF: 46.5/31

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 766.532+/-115.798 χ^2/NDF: 151.0/33

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

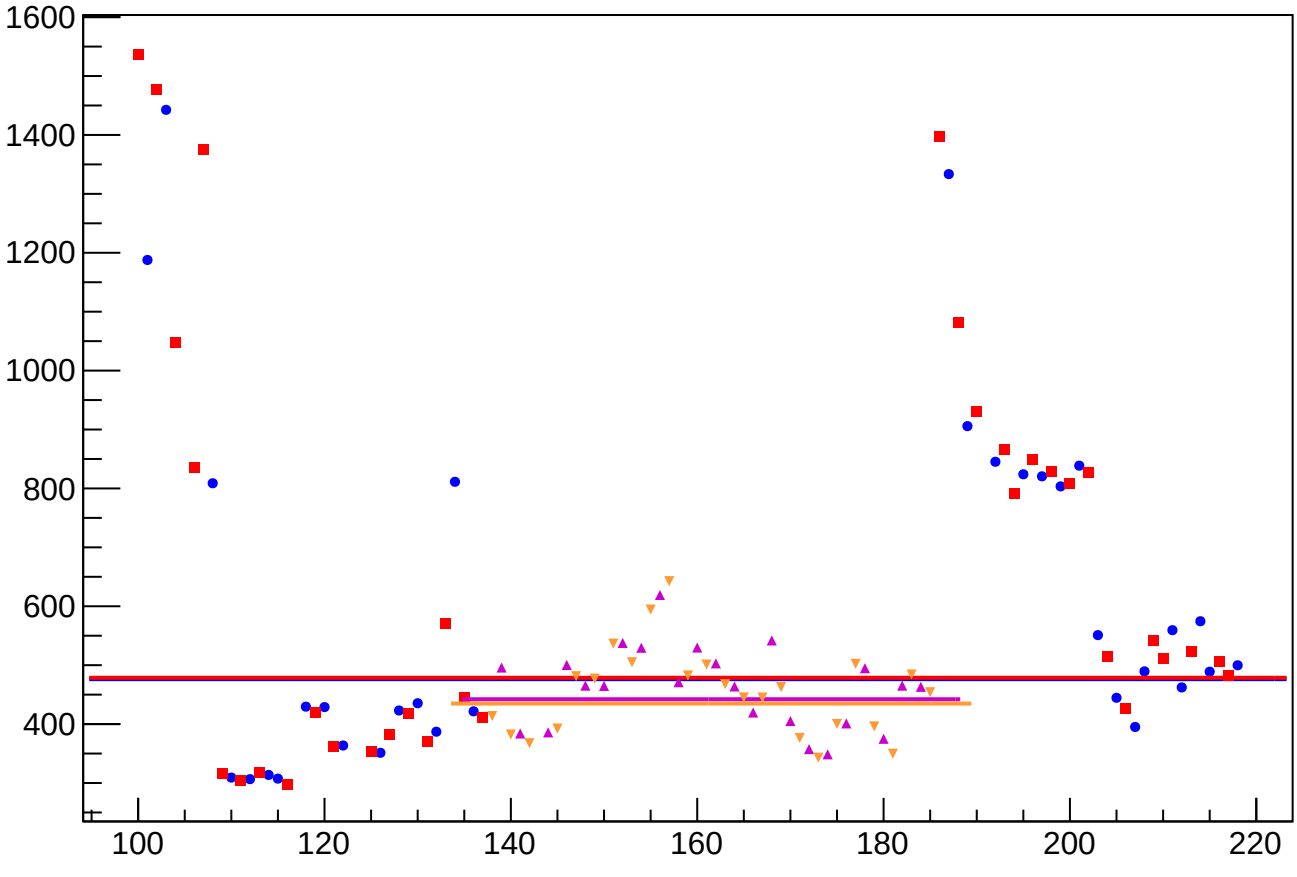
Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

Right: 164.149+/-80.859 χ^2/NDF: 250.3/65

In: -189.391+/-76.801 χ^2/NDF:85.3/54

Out: 147.922+/-76.794 χ^2/NDF:250.8/57

All: -20.718+/-54.304 χ^2/NDF: 345.8/112



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: 478.603+/-0.082 χ^2/NDF: 5432682.1/33

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

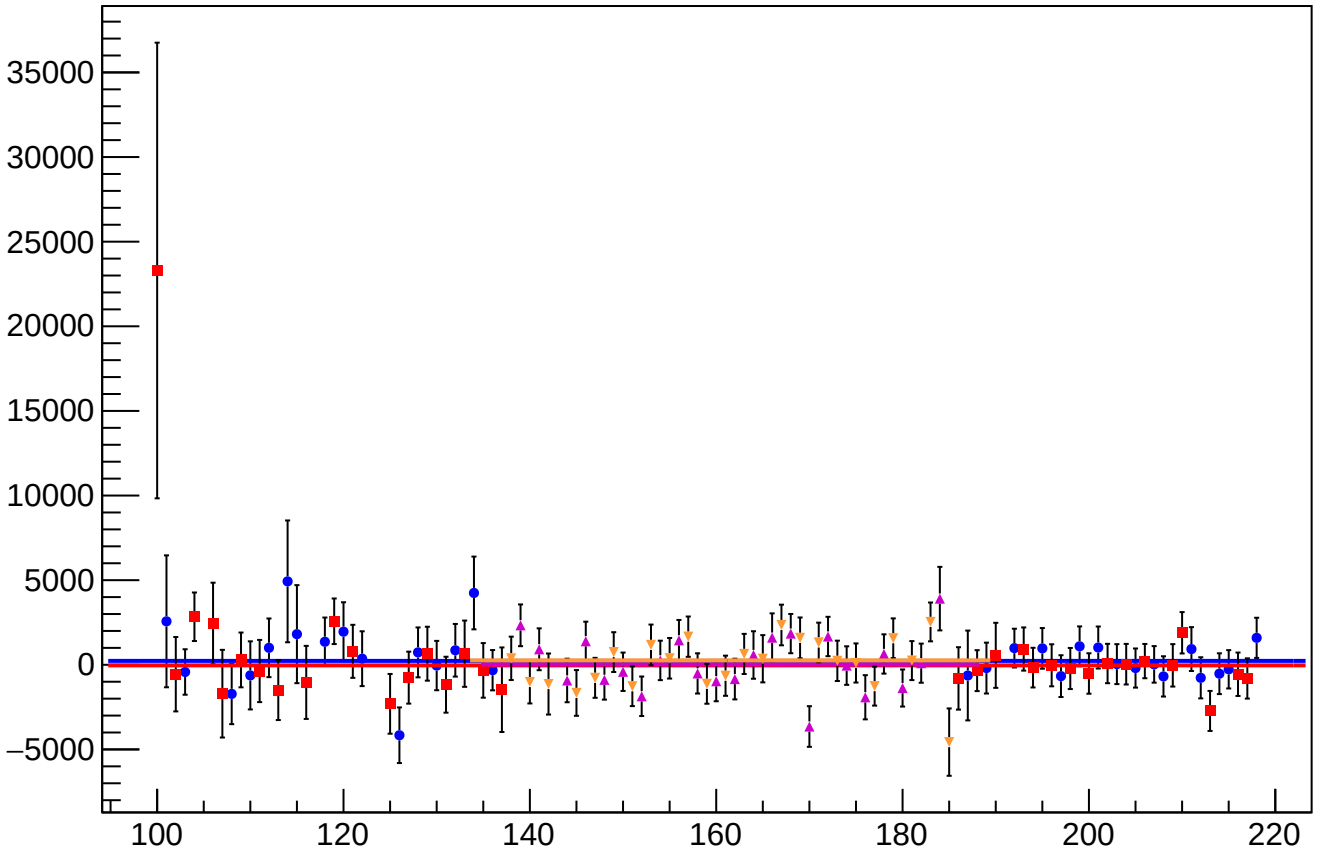
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 477.399+/-0.057 χ^2/NDF: 9815235.7/65

In: 457.946+/-0.054 χ^2/NDF:5305795.1/54

Out: 454.097+/-0.054 χ^2/NDF:6470991.1/57

All: 456.022+/-0.038 χ^2/NDF: 11779298.2/1



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: -33.830+/-251.051 χ^2/NDF: 26.0/33

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

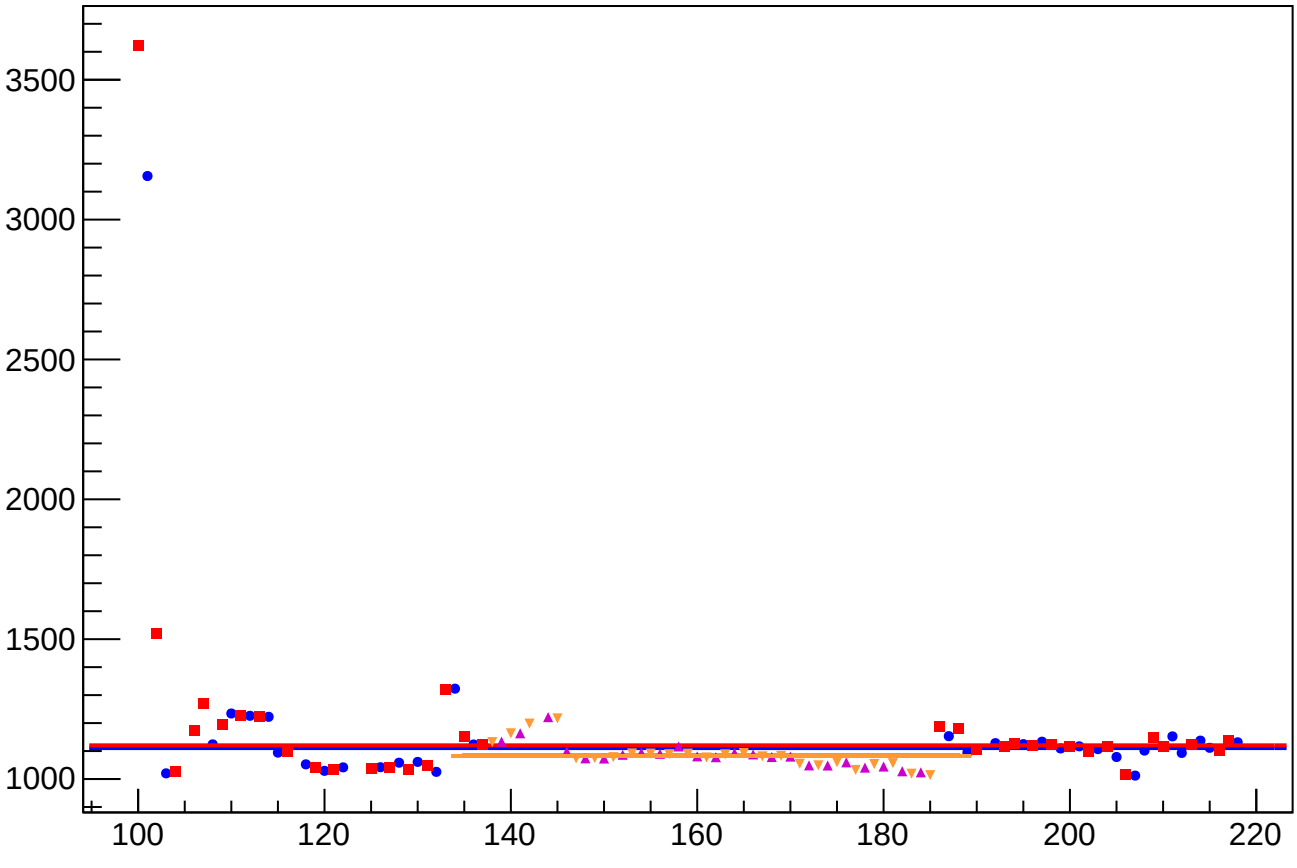
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 99.755+/-176.868 χ^2/NDF: 49.6/65

In: 128.590+/-177.660 χ^2/NDF:59.2/54

Out: 113.200+/-177.643 χ^2/NDF:54.9/57

All: 120.894+/-125.619 χ^2/NDF: 114.1/112



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: 1120.488+/-0.178 χ^2/NDF: 254155.0/33

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

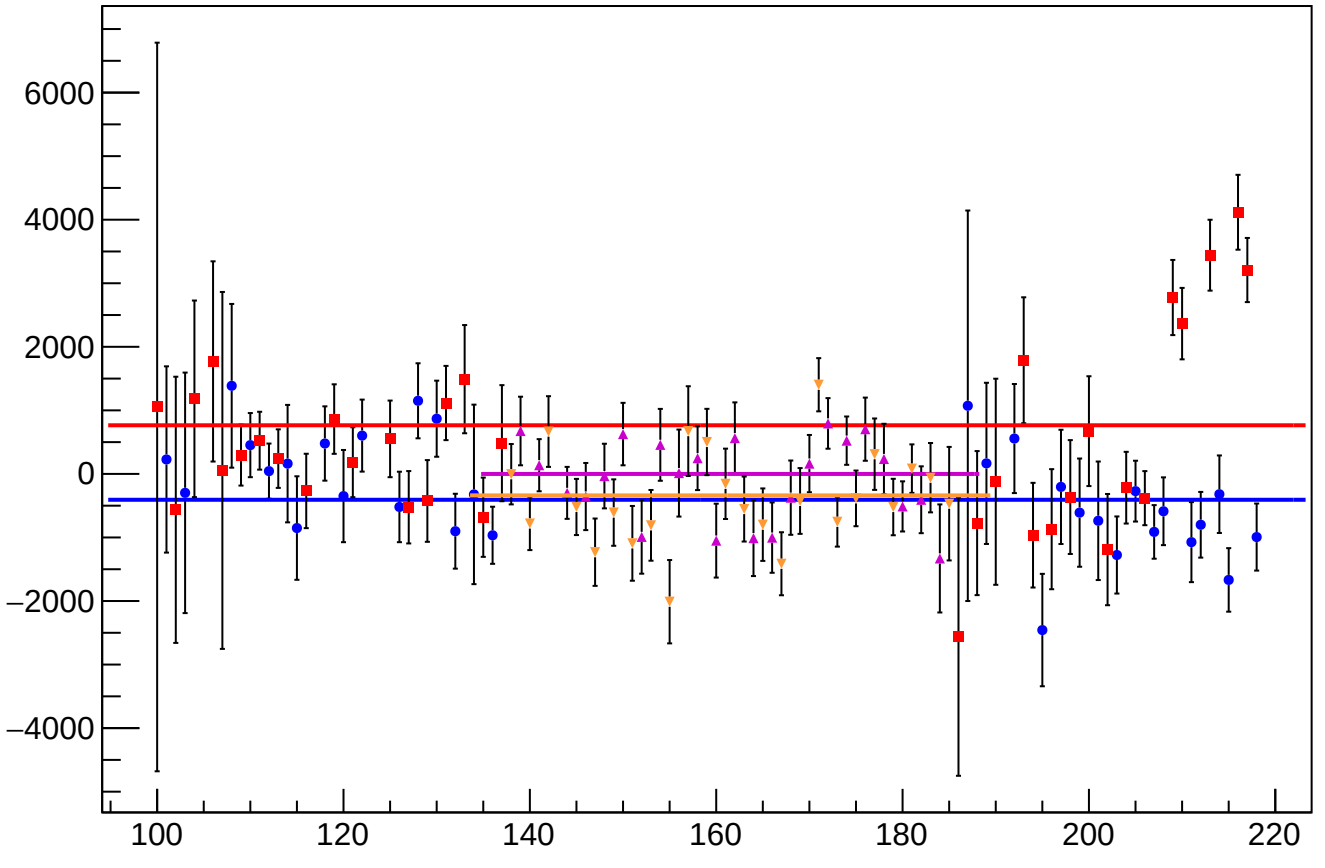
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1115.537+/-0.125 χ^2/NDF: 903978.1/65

In: 1097.628+/-0.126 χ^2/NDF:712830.9/54

Out: 1101.425+/-0.126 χ^2/NDF:335125.4/57

All: 1099.527+/-0.089 χ^2/NDF: 1048412.9/11



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: 765.334+/-115.807 χ^2/NDF: 151.3/33

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

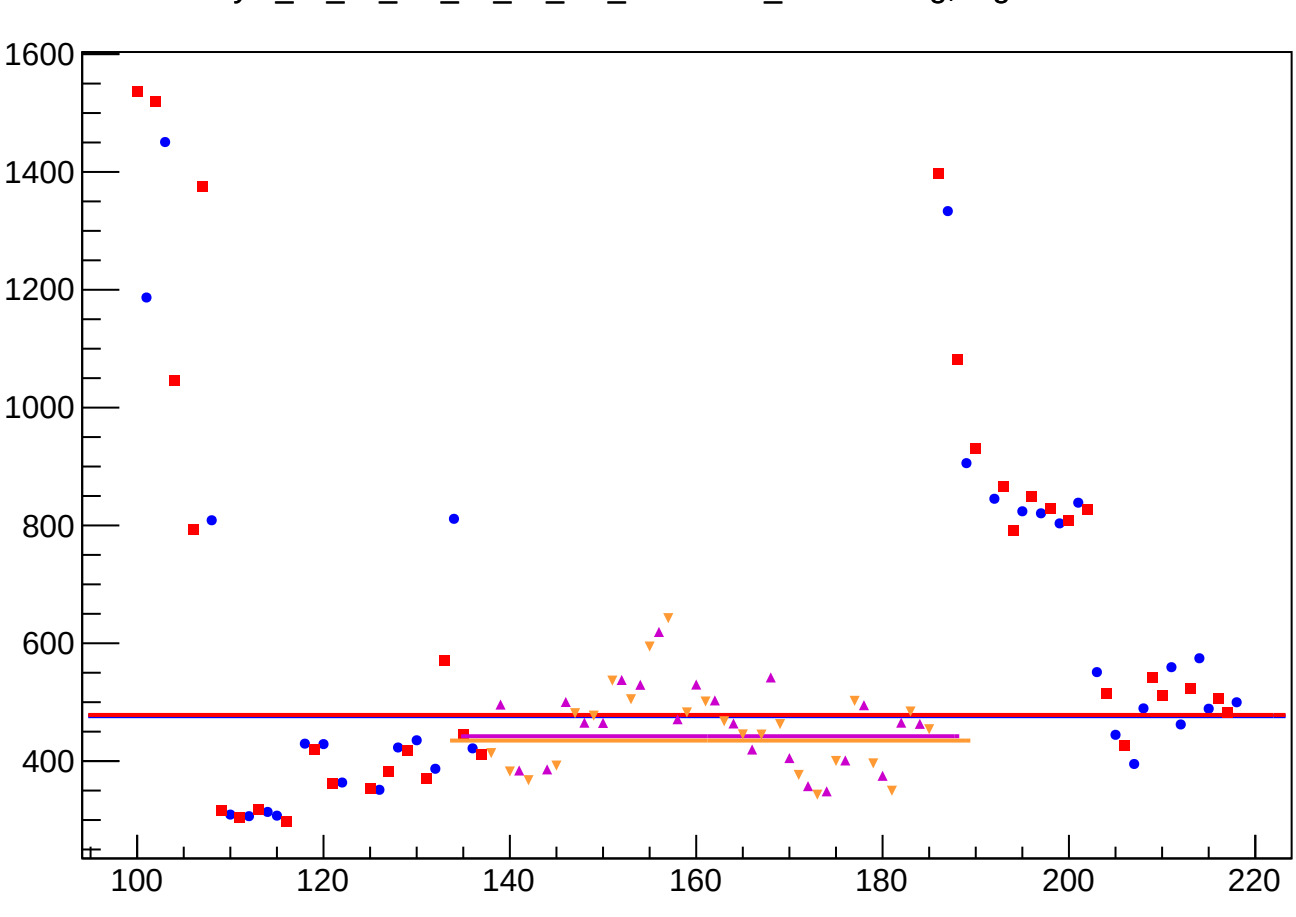
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 164.636+/-80.863 χ^2/NDF: 250.2/65

In: -188.393+/-76.801 χ^2/NDF:85.2/54

Out: 147.297+/-76.796 χ^2/NDF:250.9/57

All: -20.537+/-54.305 χ^2/NDF: 345.7/112



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: 478.364+/-0.082 χ^2/NDF: 5427596.2/33

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

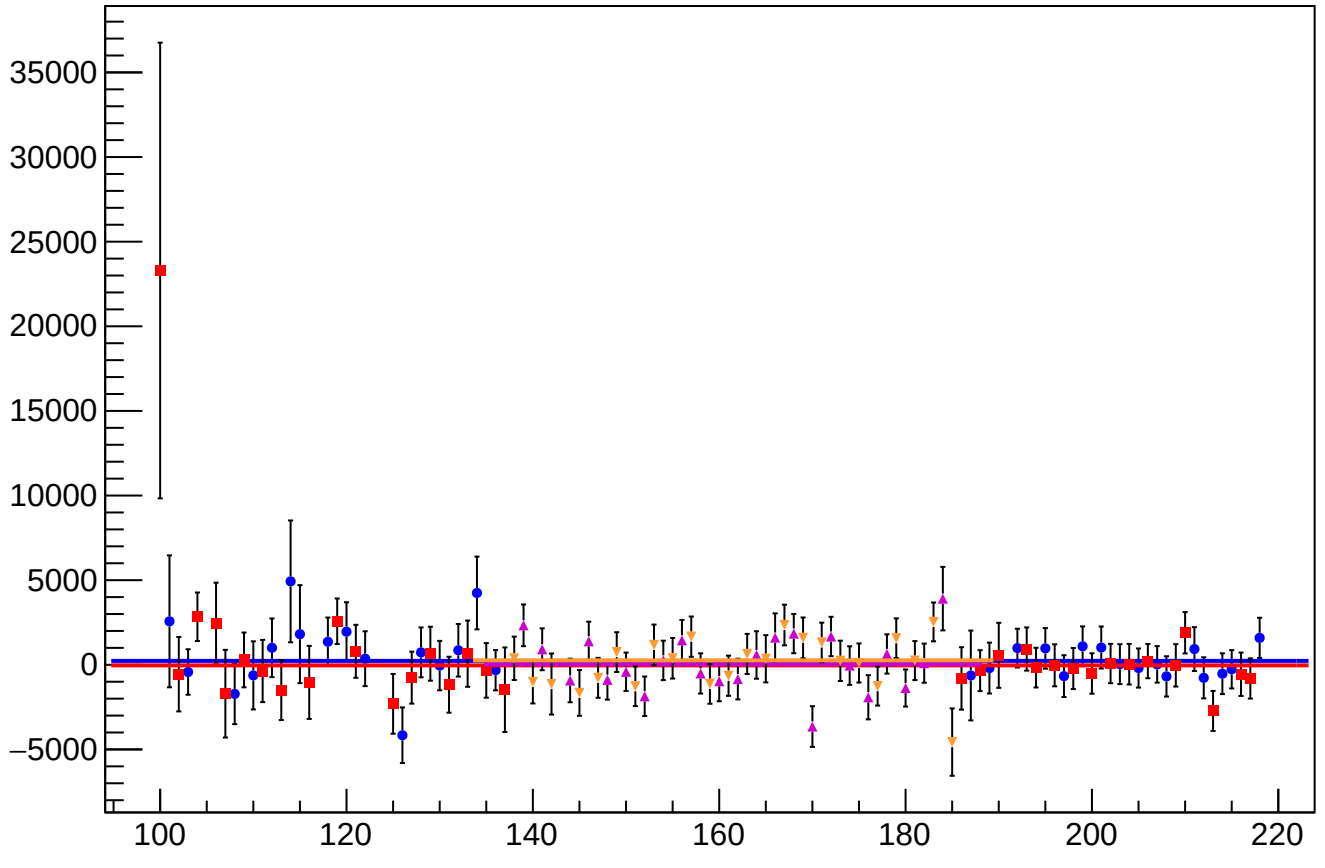
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 477.280+/-0.057 χ^2/NDF: 9813871.6/65

In: 457.945+/-0.054 χ^2/NDF:5309435.3/54

Out: 453.989+/-0.054 χ^2/NDF:6464255.4/57

All: 455.966+/-0.038 χ^2/NDF: 11776344.1/1



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: -33.830+/-251.051 χ^2/NDF: 26.0/33

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

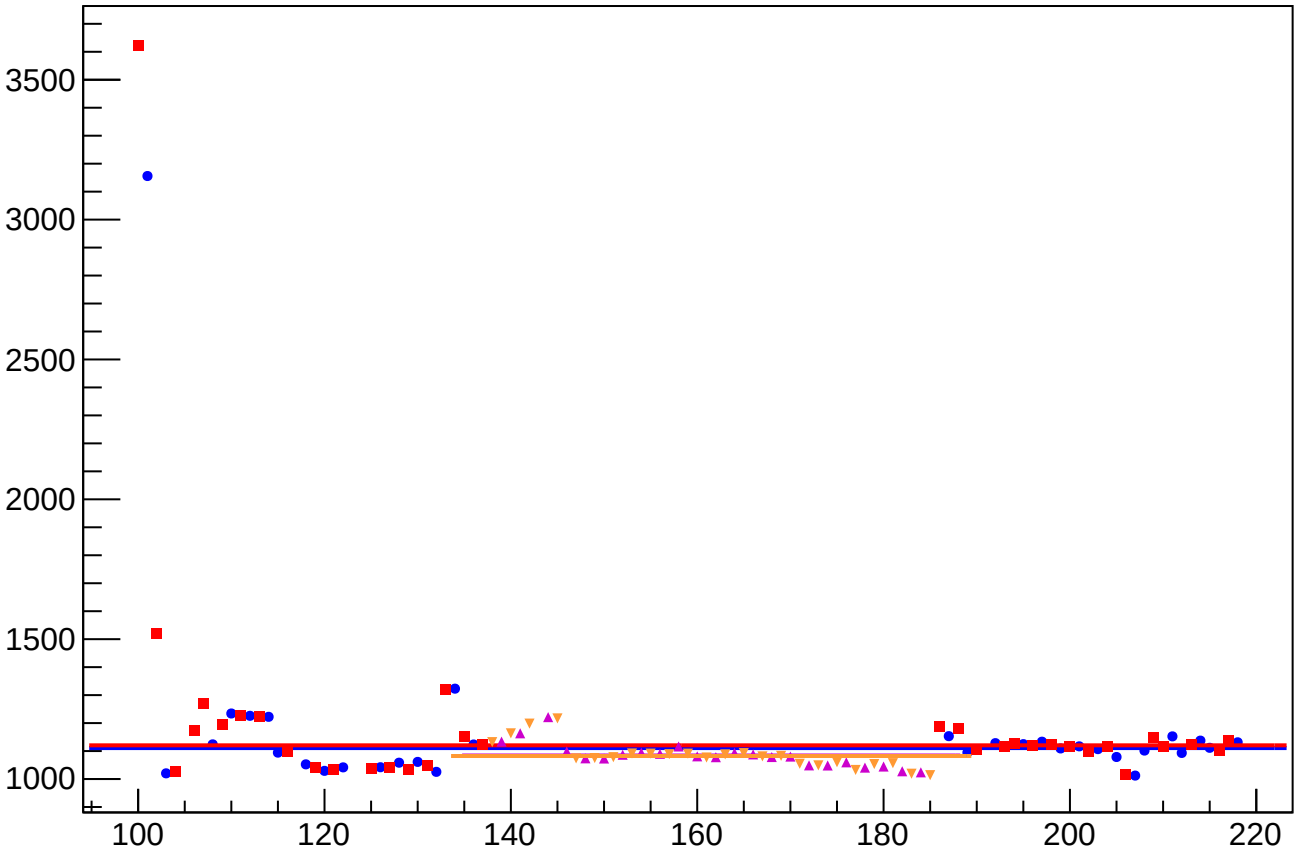
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 99.755+/-176.868 χ^2/NDF: 49.6/65

In: 128.590+/-177.660 χ^2/NDF:59.2/54

Out: 113.200+/-177.643 χ^2/NDF:54.9/57

All: 120.894+/-125.619 χ^2/NDF: 114.1/112



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: 1120.488+/-0.178 χ^2/NDF: 254155.0/33

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

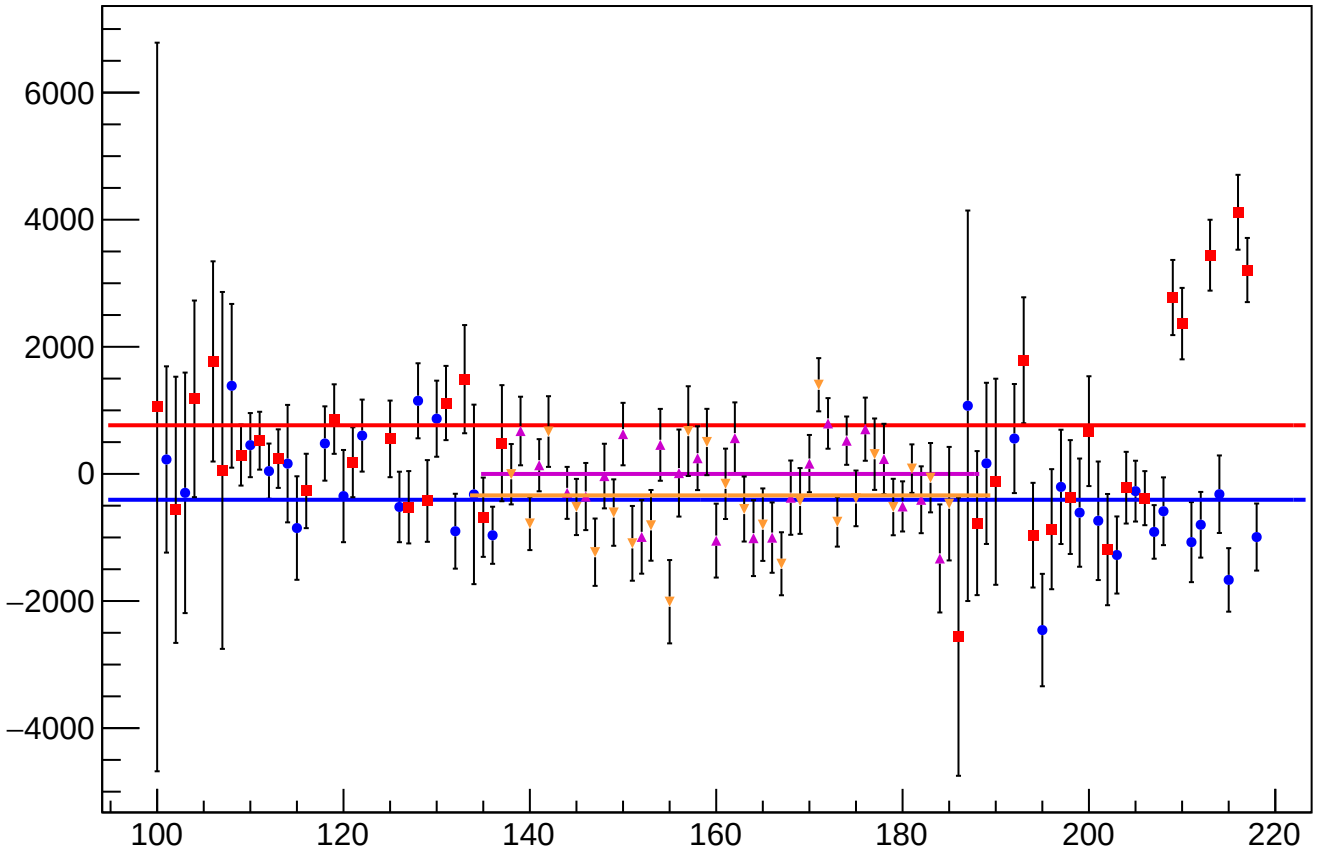
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1115.537+/-0.125 χ^2/NDF: 903978.1/65

In: 1097.628+/-0.126 χ^2/NDF:712830.9/54

Out: 1101.425+/-0.126 χ^2/NDF:335125.4/57

All: 1099.527+/-0.089 χ^2/NDF: 1048412.9/11



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: 765.334+/-115.807 χ^2/NDF: 151.3/33

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

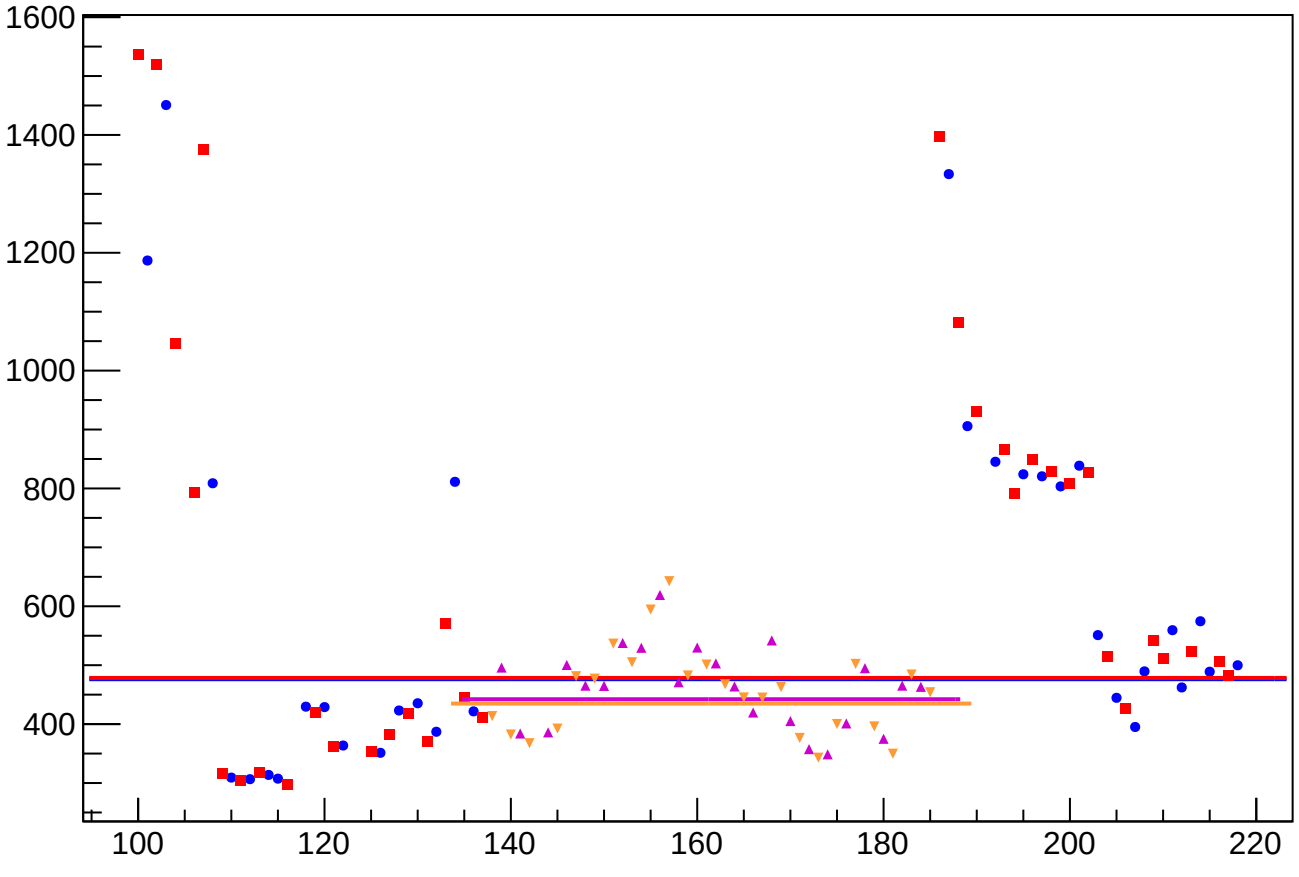
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 164.636+/-80.863 χ^2/NDF: 250.2/65

In: -188.393+/-76.801 χ^2/NDF:85.2/54

Out: 147.297+/-76.796 χ^2/NDF:250.9/57

All: -20.537+/-54.305 χ^2/NDF: 345.7/112



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: 478.364+/-0.082 χ^2/NDF: 5427596.2/33

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

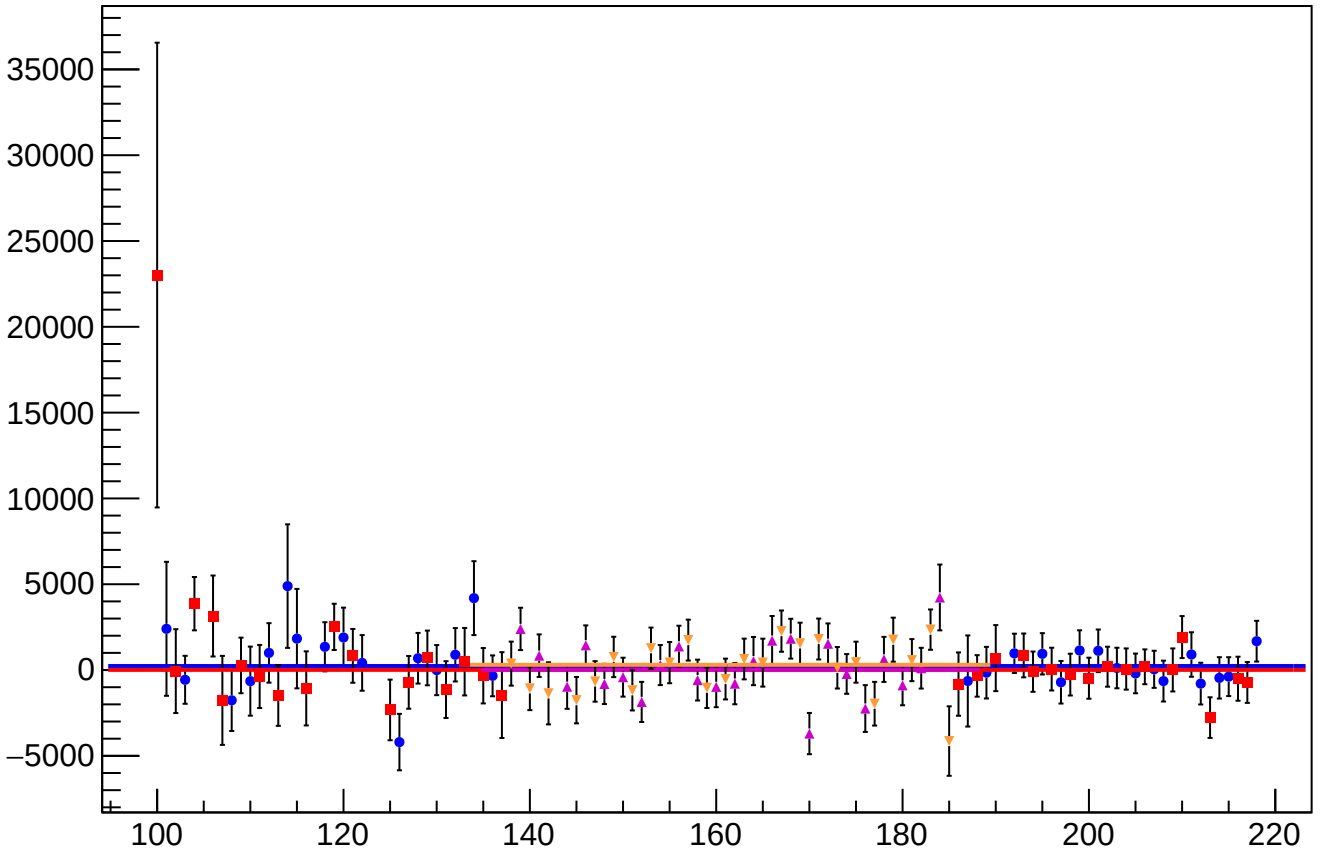
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 477.280+/-0.057 χ^2/NDF: 9813871.6/65

In: 457.945+/-0.054 χ^2/NDF:5309435.3/54

Out: 453.989+/-0.054 χ^2/NDF:6464255.4/57

All: 455.966+/-0.038 χ^2/NDF: 11776344.1/11



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: 9.827+/-252.161 χ^2/NDF: 28.8/33

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

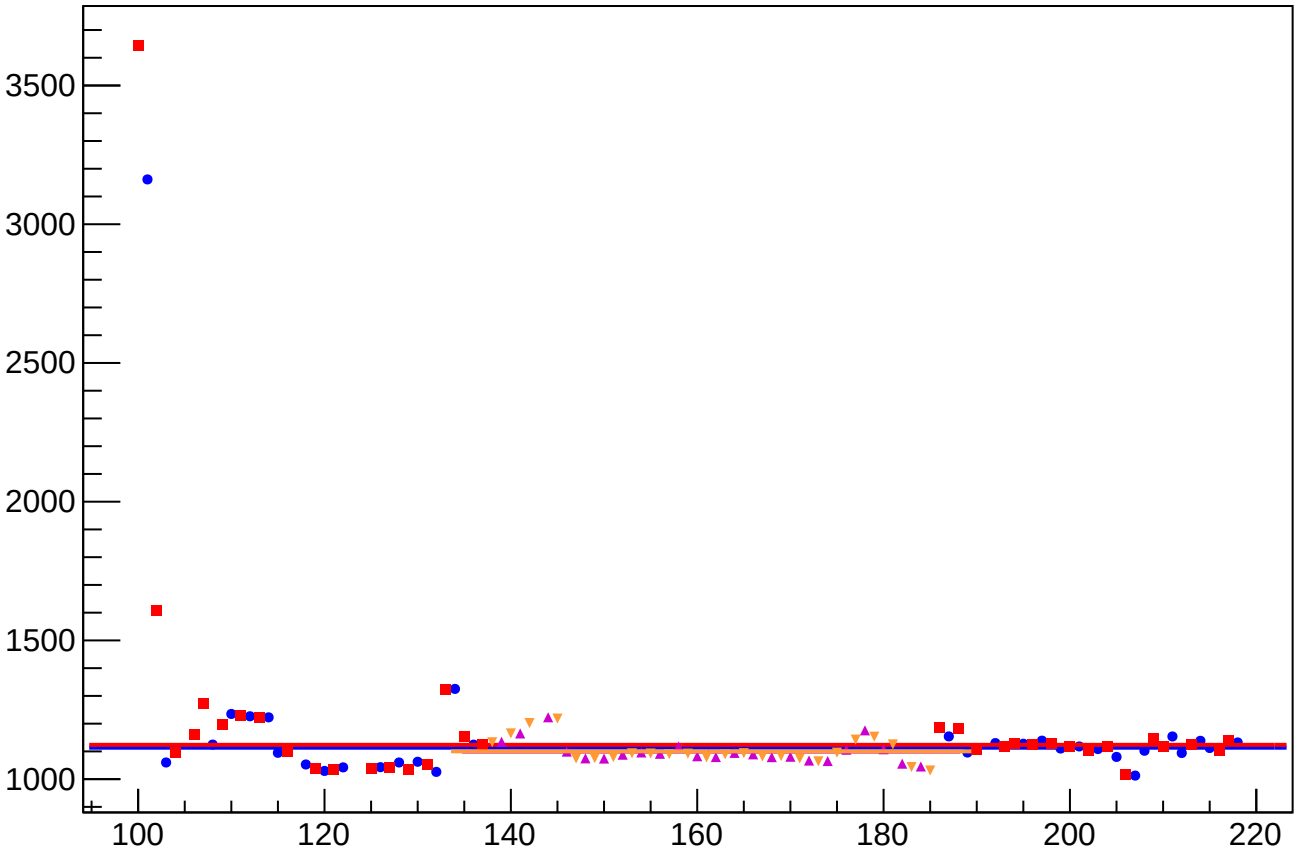
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 122.792+/-177.470 χ^2/NDF: 52.6/65

In: 132.390+/-179.087 χ^2/NDF:59.6/54

Out: 154.652+/-179.493 χ^2/NDF:57.9/57

All: 143.496+/-126.777 χ^2/NDF: 117.5/112



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: 1123.667+/-0.178 χ^2/NDF: 259888.8/33

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

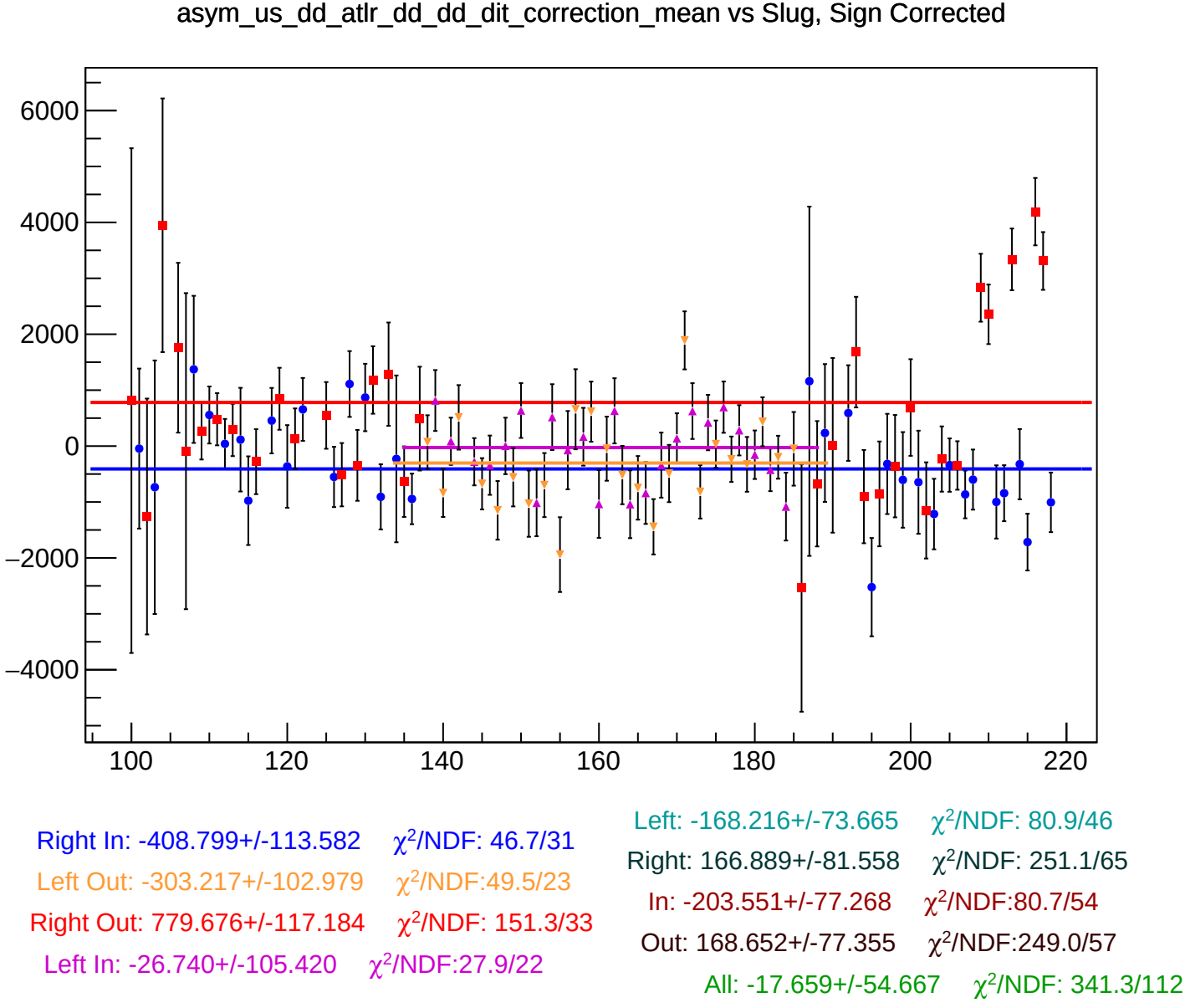
Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

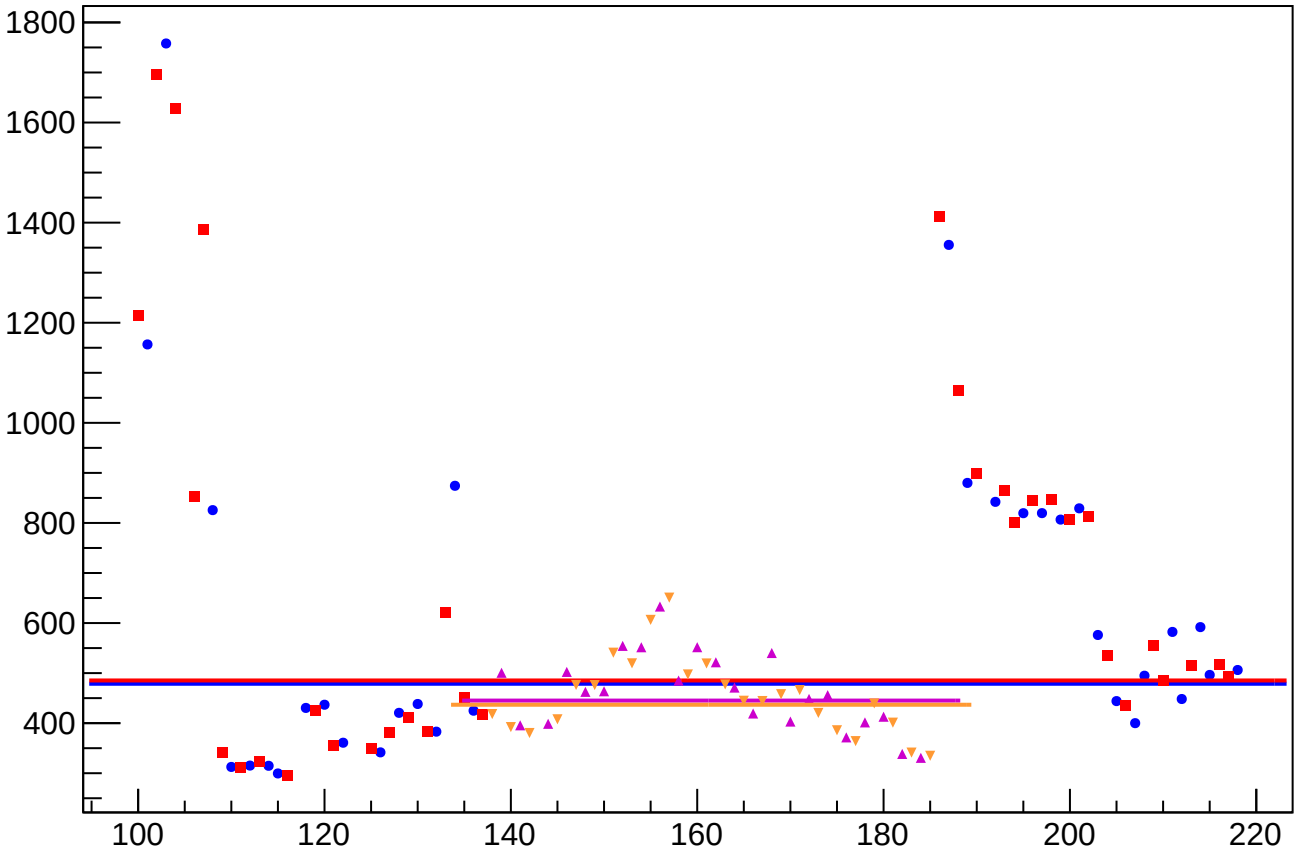
Right: 1118.457+/-0.125 χ^2/NDF: 904584.2/65

In: 1106.538+/-0.127 χ^2/NDF:690843.3/54

Out: 1112.119+/-0.127 χ^2/NDF:317165.8/57

All: 1109.322+/-0.090 χ^2/NDF: 1008978.2/11


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -408.799+/-113.582 χ²/NDF: 46.7/31
Left Out: -303.217+/-102.979 χ²/NDF:49.5/23
Right Out: 779.676+/-117.184 χ²/NDF: 151.3/33
Left In: -26.740+/-105.420 χ²/NDF:27.9/22
Left: -168.216+/-73.665 χ²/NDF: 80.9/46
Right: 166.889+/-81.558 χ²/NDF: 251.1/65
In: -203.551+/-77.268 χ²/NDF:80.7/54
Out: 168.652+/-77.355 χ²/NDF:249.0/57
All: -17.659+/-54.667 χ²/NDF: 341.3/112



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: 485.306+/-0.083 χ^2/NDF: 5740939.8/33

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

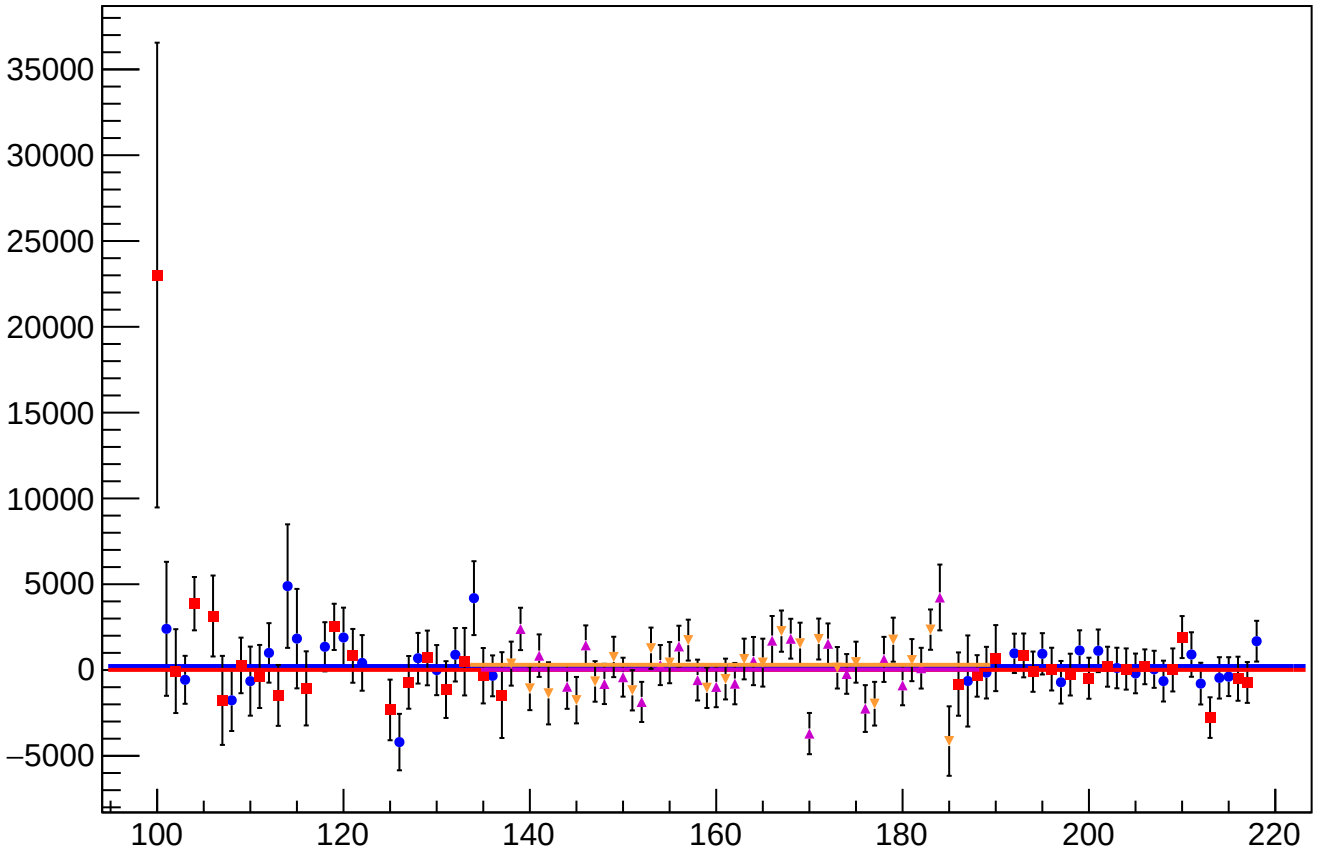
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 481.916+/-0.058 χ^2/NDF: 10266988.2/65

In: 460.668+/-0.055 χ^2/NDF:5491480.5/54

Out: 457.929+/-0.055 χ^2/NDF:6789605.2/57

All: 459.300+/-0.039 χ^2/NDF: 12282341.2/11



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: 9.827+/-252.161 χ^2/NDF: 28.8/33

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

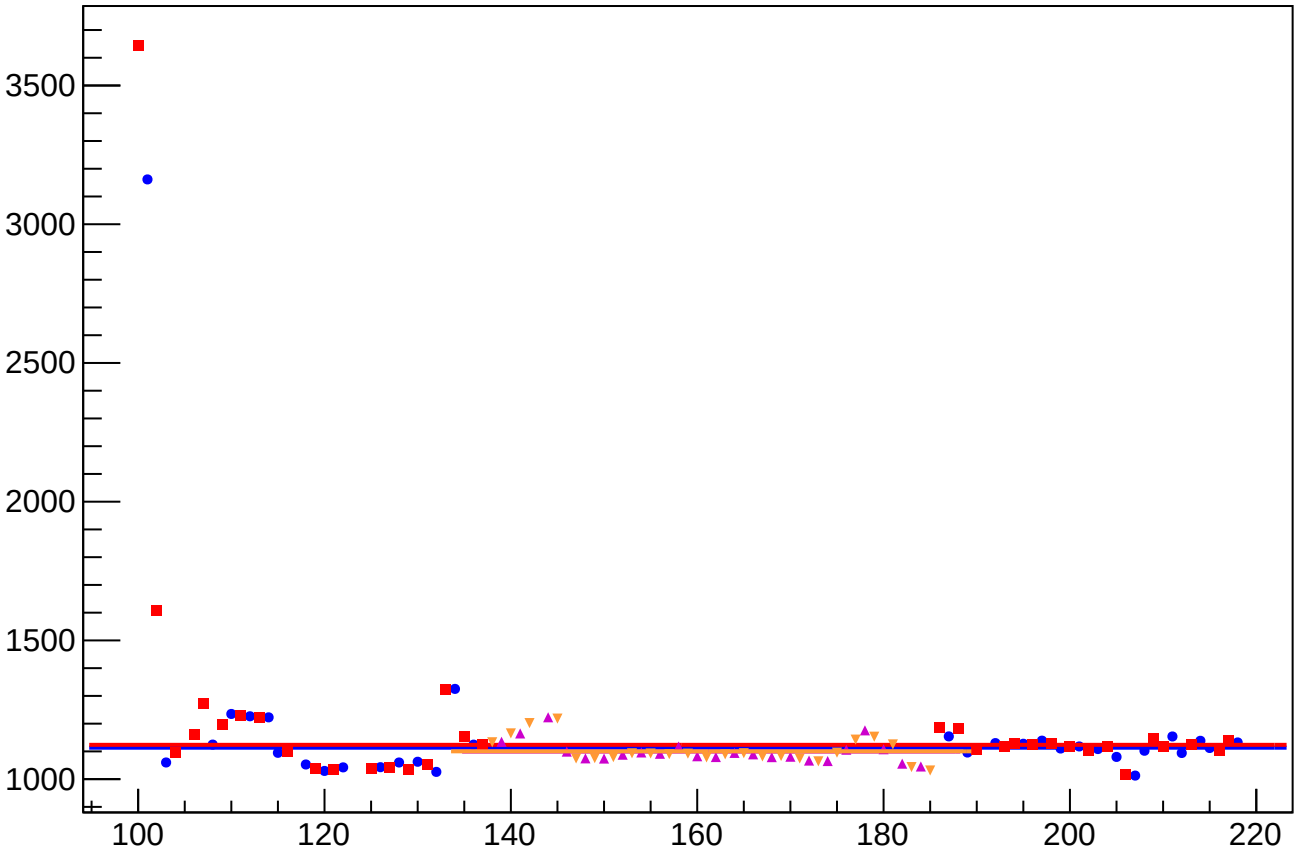
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 122.791+/-177.470 χ^2/NDF: 52.6/65

In: 132.390+/-179.087 χ^2/NDF:59.6/54

Out: 154.651+/-179.493 χ^2/NDF:57.9/57

All: 143.495+/-126.777 χ^2/NDF: 117.5/112



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: 1123.667+/-0.178 χ^2/NDF: 259888.9/33

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

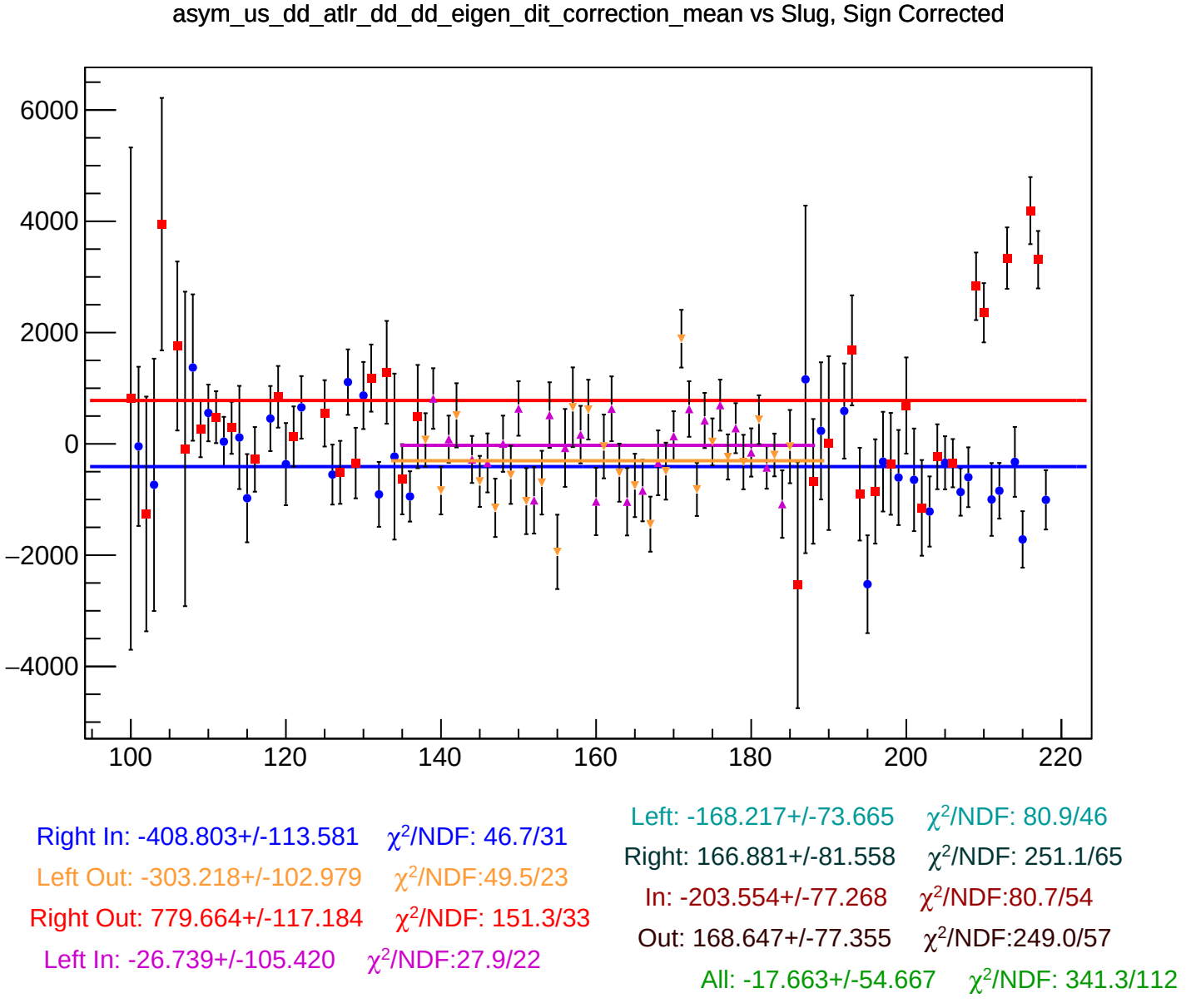
Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

Right: 1118.457+/-0.125 χ^2/NDF: 904584.3/65

In: 1106.537+/-0.127 χ^2/NDF:690843.4/54

Out: 1112.119+/-0.127 χ^2/NDF:317166.1/57

All: 1109.322+/-0.090 χ^2/NDF: 1008978.7/11


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
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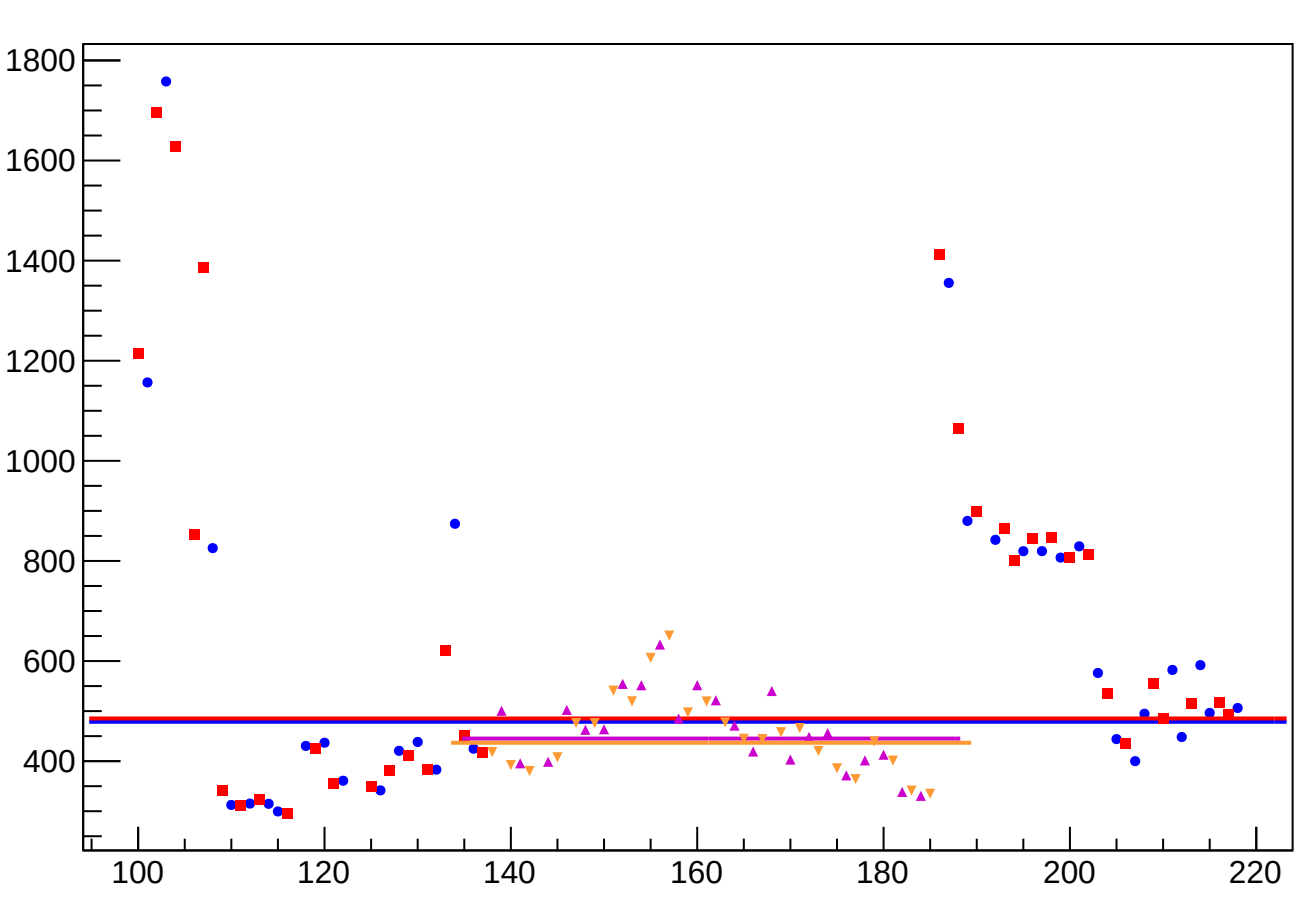
−2000
−4000
100
120
140
160
180
200
220
Right In: -408.803+/-113.581 χ²/NDF: 46.7/31
Left Out: -303.218+/-102.979 χ²/NDF:49.5/23
Right Out: 779.664+/-117.184 χ²/NDF: 151.3/33
Left In: -26.739+/-105.420 χ²/NDF:27.9/22
Left: -168.217+/-73.665 χ²/NDF: 80.9/46
Right: 166.881+/-81.558 χ²/NDF: 251.1/65
In: -203.554+/-77.268 χ²/NDF:80.7/54
Out: 168.647+/-77.355 χ²/NDF:249.0/57
All: -17.663+/-54.667 χ²/NDF: 341.3/112



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: 485.304+/-0.083 χ^2/NDF: 5741010.5/33

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

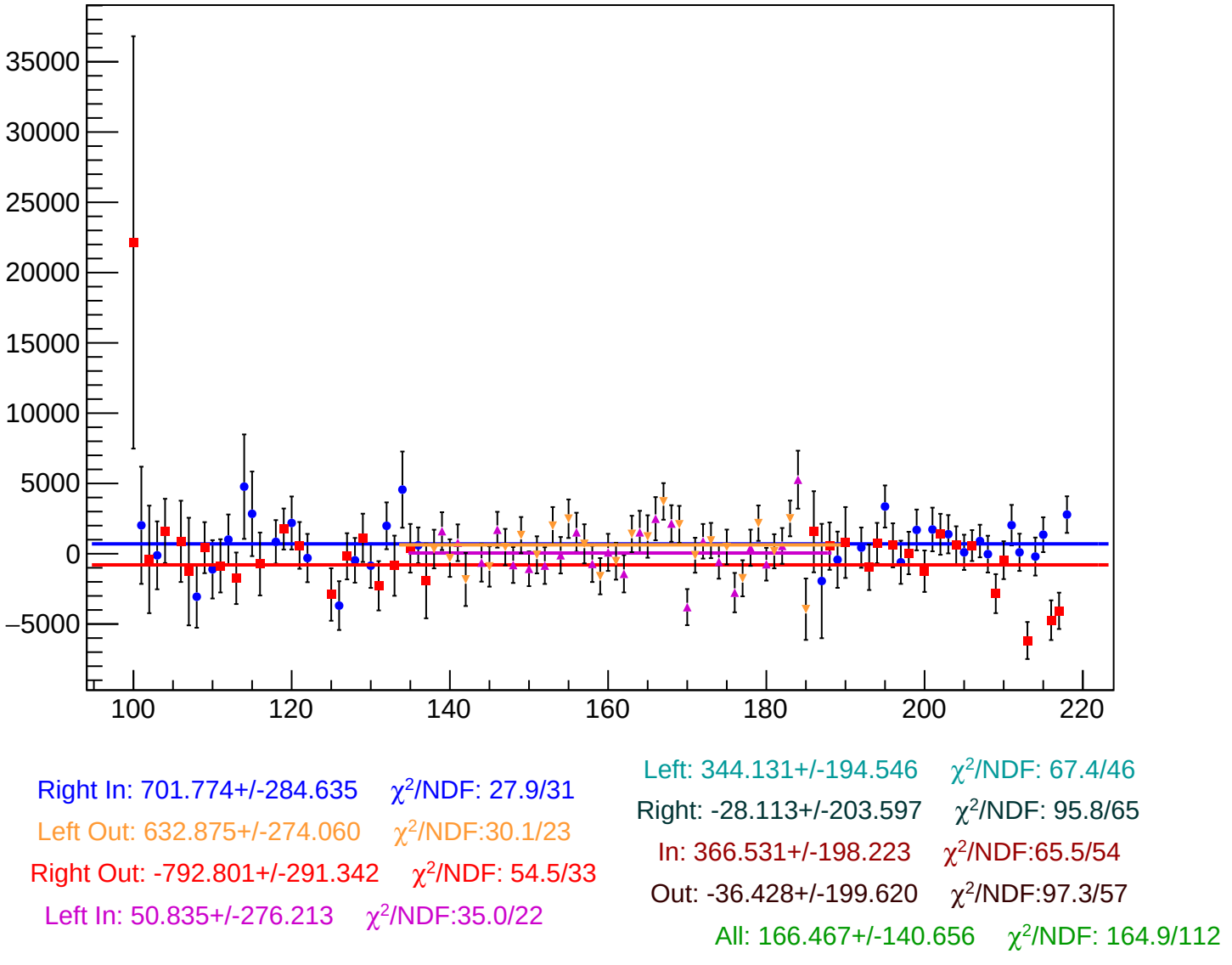
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

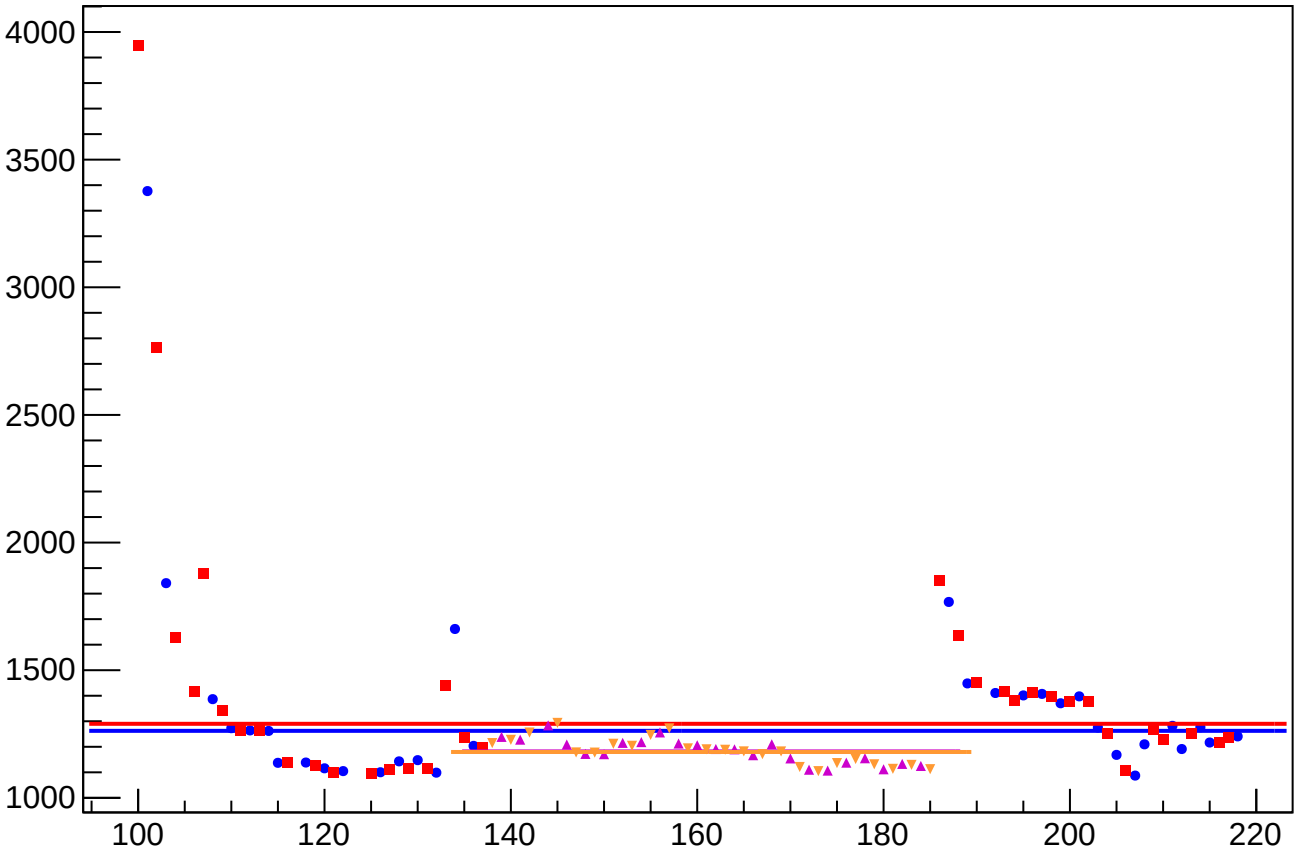
Right: 481.913+/-0.058 χ^2/NDF: 10267093.4/65

In: 460.667+/-0.055 χ^2/NDF:5491538.9/54

Out: 457.928+/-0.055 χ^2/NDF:6789691.6/57

All: 459.299+/-0.039 χ^2/NDF: 12282485.8/1


asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: 701.774+/-284.635 χ²/NDF: 27.9/31
Left Out: 632.875+/-274.060 χ²/NDF:30.1/23
Right Out: -792.801+/-291.342 χ²/NDF: 54.5/33
Left In: 50.835+/-276.213 χ²/NDF:35.0/22
Left: 344.131+/-194.546 χ²/NDF: 67.4/46
Right: -28.113+/-203.597 χ²/NDF: 95.8/65
In: 366.531+/-198.223 χ²/NDF:65.5/54
Out: -36.428+/-199.620 χ²/NDF:97.3/57
All: 166.467+/-140.656 χ²/NDF: 164.9/112



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: 1290.043+/-0.206 χ^2/NDF: 918824.6/33

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

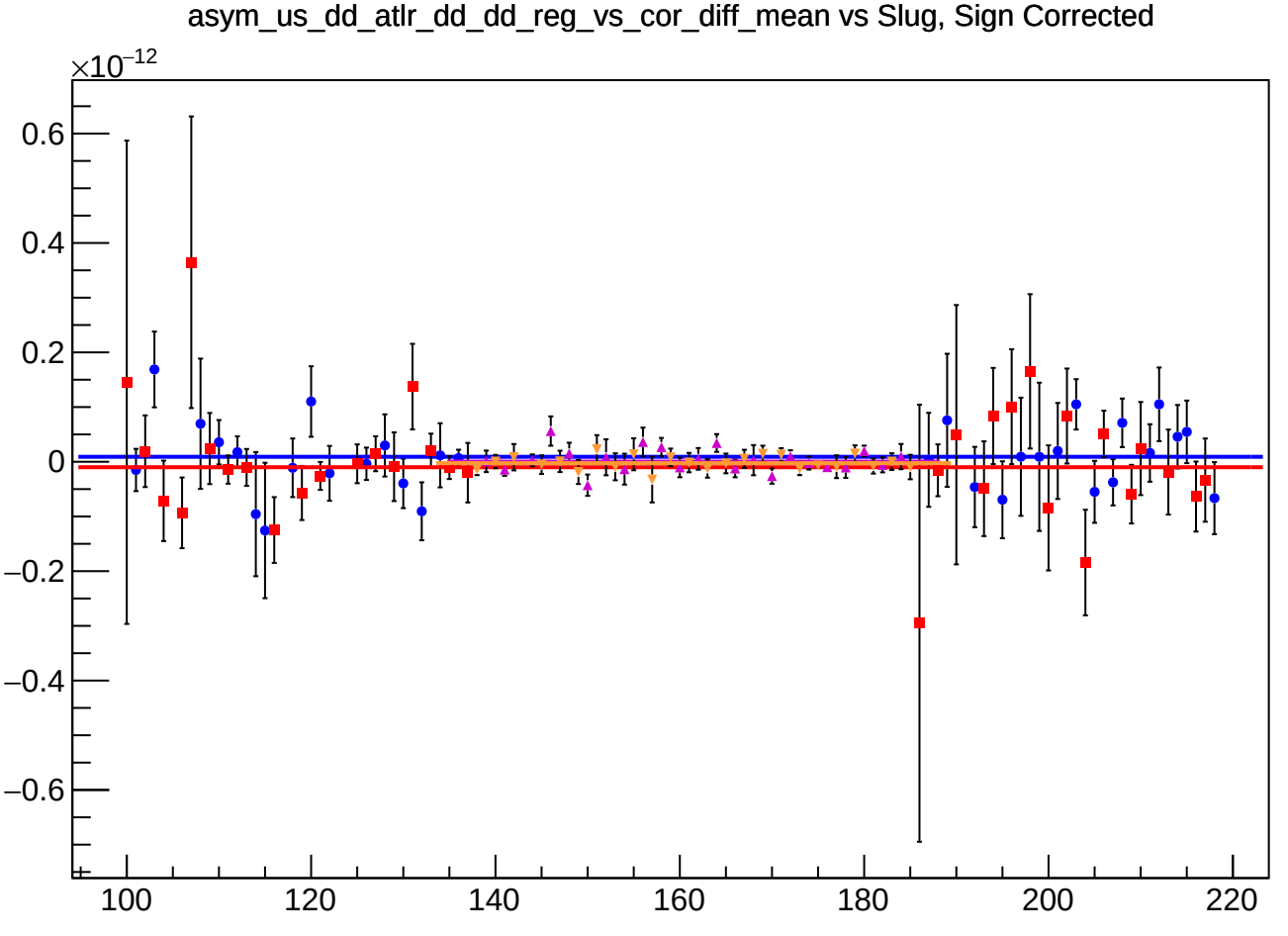
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1275.940+/-0.144 χ^2/NDF: 1915856.1/65

In: 1220.995+/-0.140 χ^2/NDF:1130721.0/54

Out: 1231.509+/-0.141 χ^2/NDF:1135659.9/57

All: 1226.215+/-0.099 χ^2/NDF: 2269174.5/11



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: 28.3/33

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

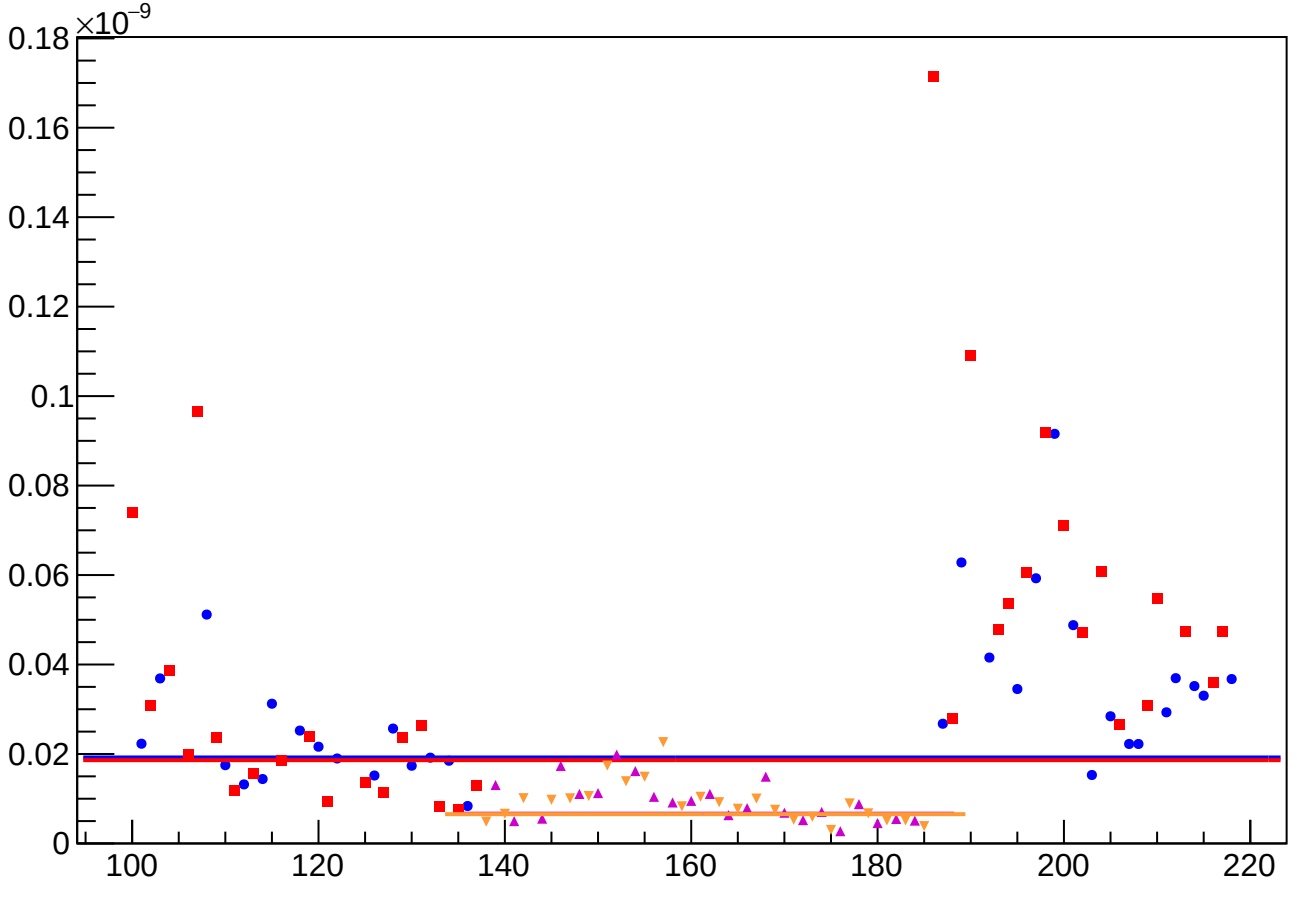
Right: -0.000+/-0.000 χ^2/NDF: 62.8/65

In: 0.000+/-0.000 χ^2/NDF:65.4/54

Out: -0.000+/-0.000 χ^2/NDF:39.5/57

All: -0.000+/-0.000 χ^2/NDF: 106.3/112

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: 6196945.7/33

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

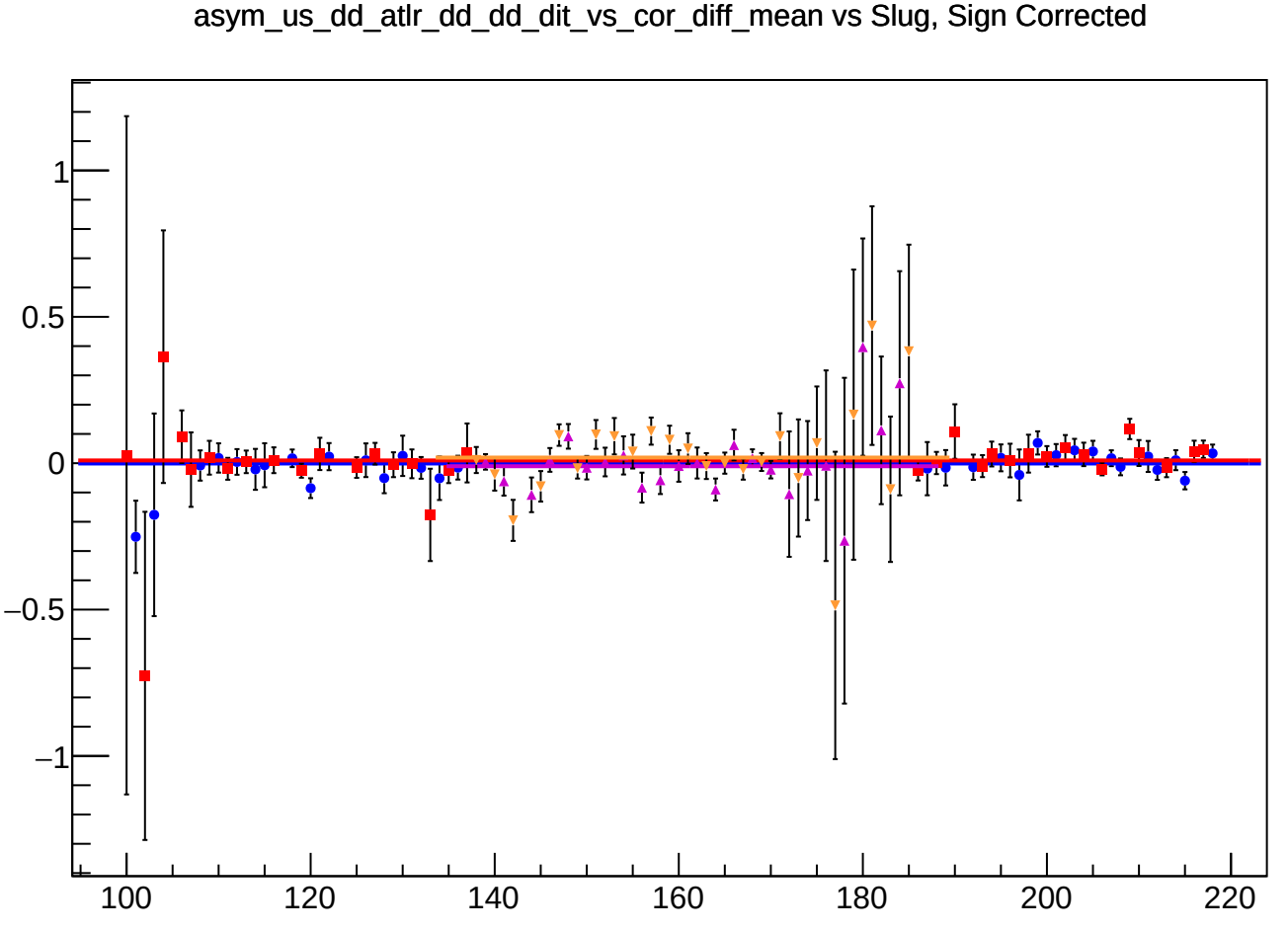
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 10033246.7/65

In: 0.000+/-0.000 χ^2/NDF:10495378.4/54

Out: 0.000+/-0.000 χ^2/NDF:12193666.4/57

All: 0.000+/-0.000 χ^2/NDF: 22697461.2/112



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: 28.5/33

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

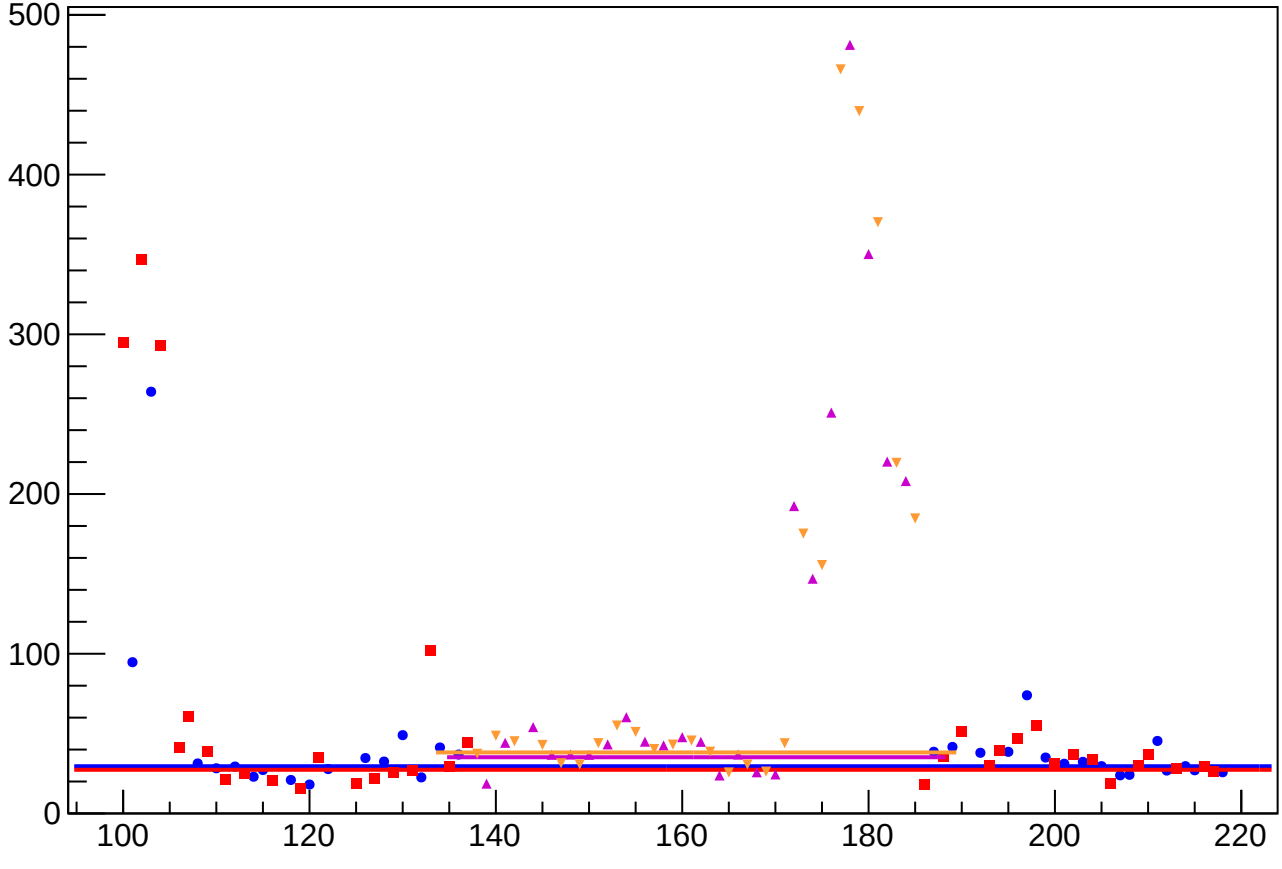
Right: 0.004+/-0.005 χ^2/NDF: 56.3/65

In: -0.004+/-0.006 χ^2/NDF:50.9/54

Out: 0.012+/-0.006 χ^2/NDF:65.0/57

All: 0.004+/-0.004 χ^2/NDF: 119.8/112

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: 27.343+/-0.005 χ^2/NDF: 4830153.3/33

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

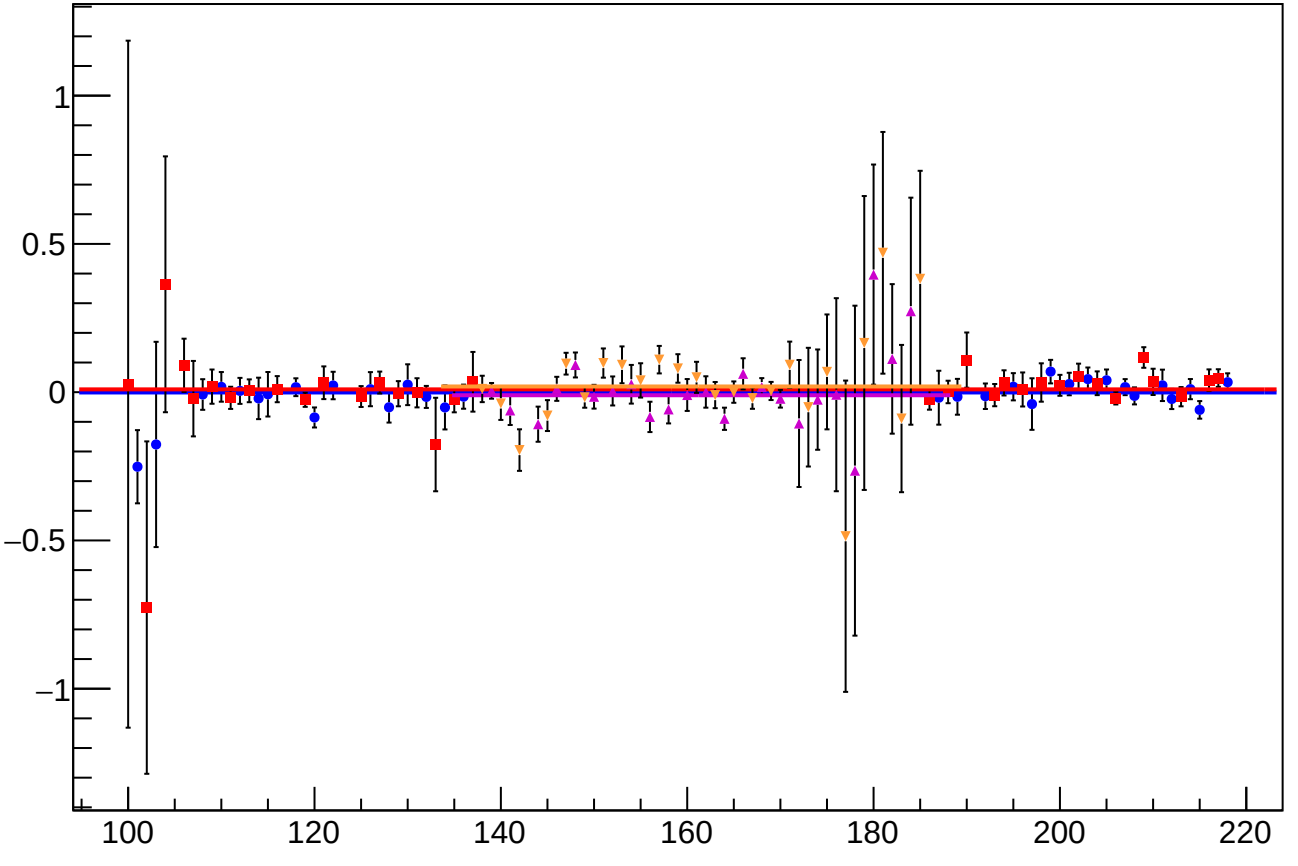
Right: 28.400+/-0.004 χ^2/NDF: 8408238.9/65

In: 31.519+/-0.004 χ^2/NDF:13271223.0/54

Out: 30.658+/-0.004 χ^2/NDF:14520772.3/57

All: 31.082+/-0.003 χ^2/NDF: 27812532.0/112

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: 28.5/33

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

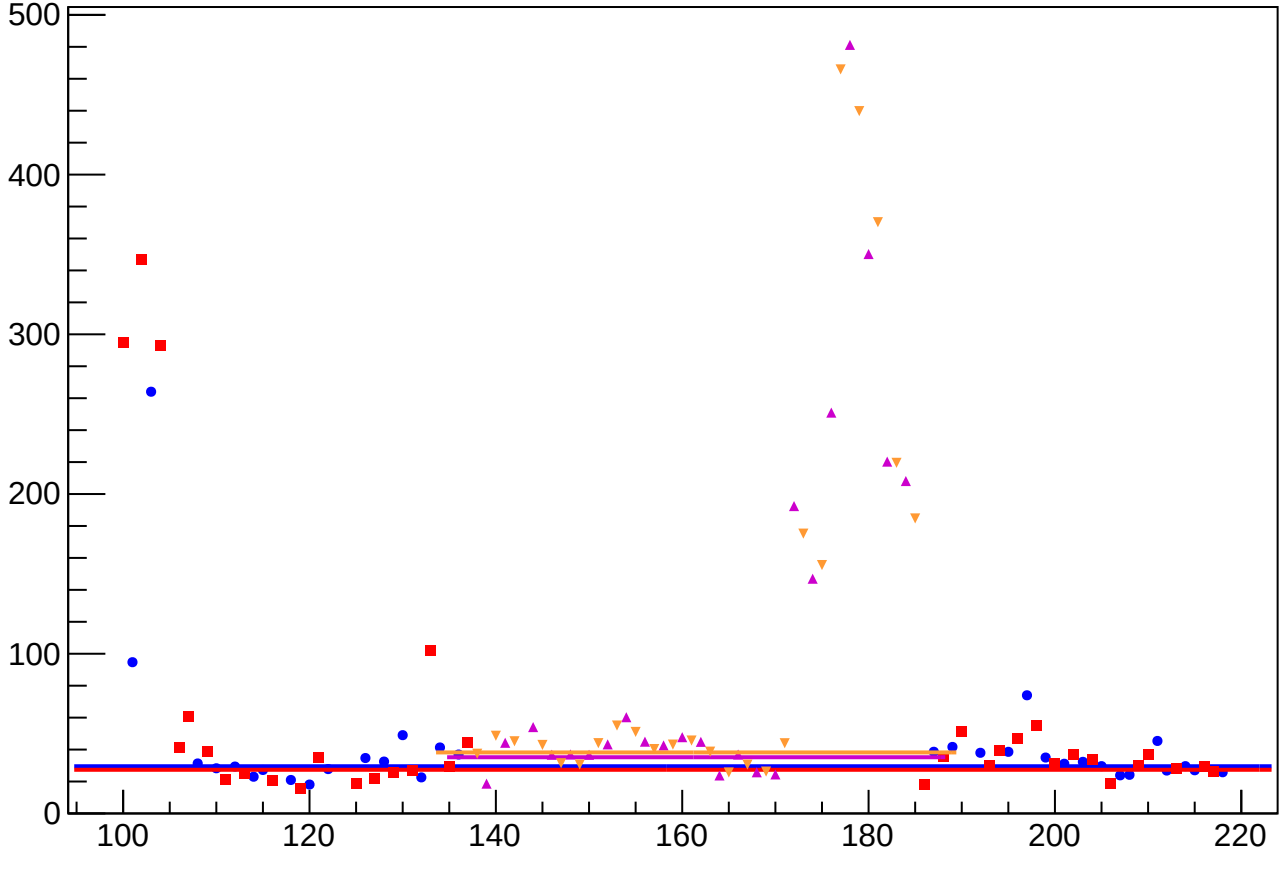
Right: 0.004+/-0.005 χ^2/NDF: 56.3/65

In: -0.004+/-0.006 χ^2/NDF:50.9/54

Out: 0.012+/-0.006 χ^2/NDF:65.0/57

All: 0.004+/-0.004 χ^2/NDF: 119.8/112

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: 27.343+/-0.005 χ^2/NDF: 4830153.3/33

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

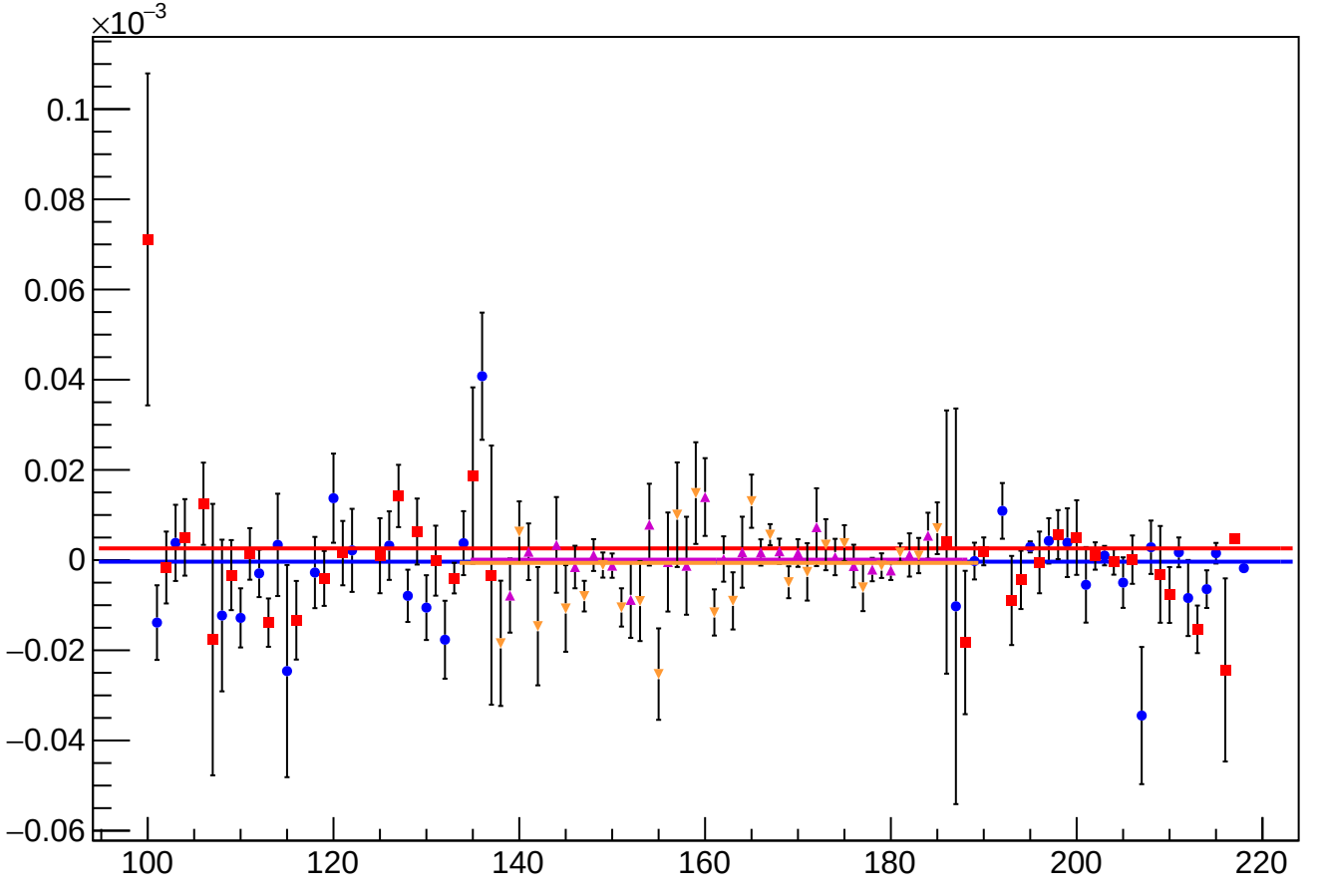
Right: 28.400+/-0.004 χ^2/NDF: 8408238.9/65

In: 31.519+/-0.004 χ^2/NDF:13271223.0/54

Out: 30.658+/-0.004 χ^2/NDF:14520772.3/57

All: 31.082+/-0.003 χ^2/NDF: 27812532.0/112

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 53.1/31

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 58.0/33

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

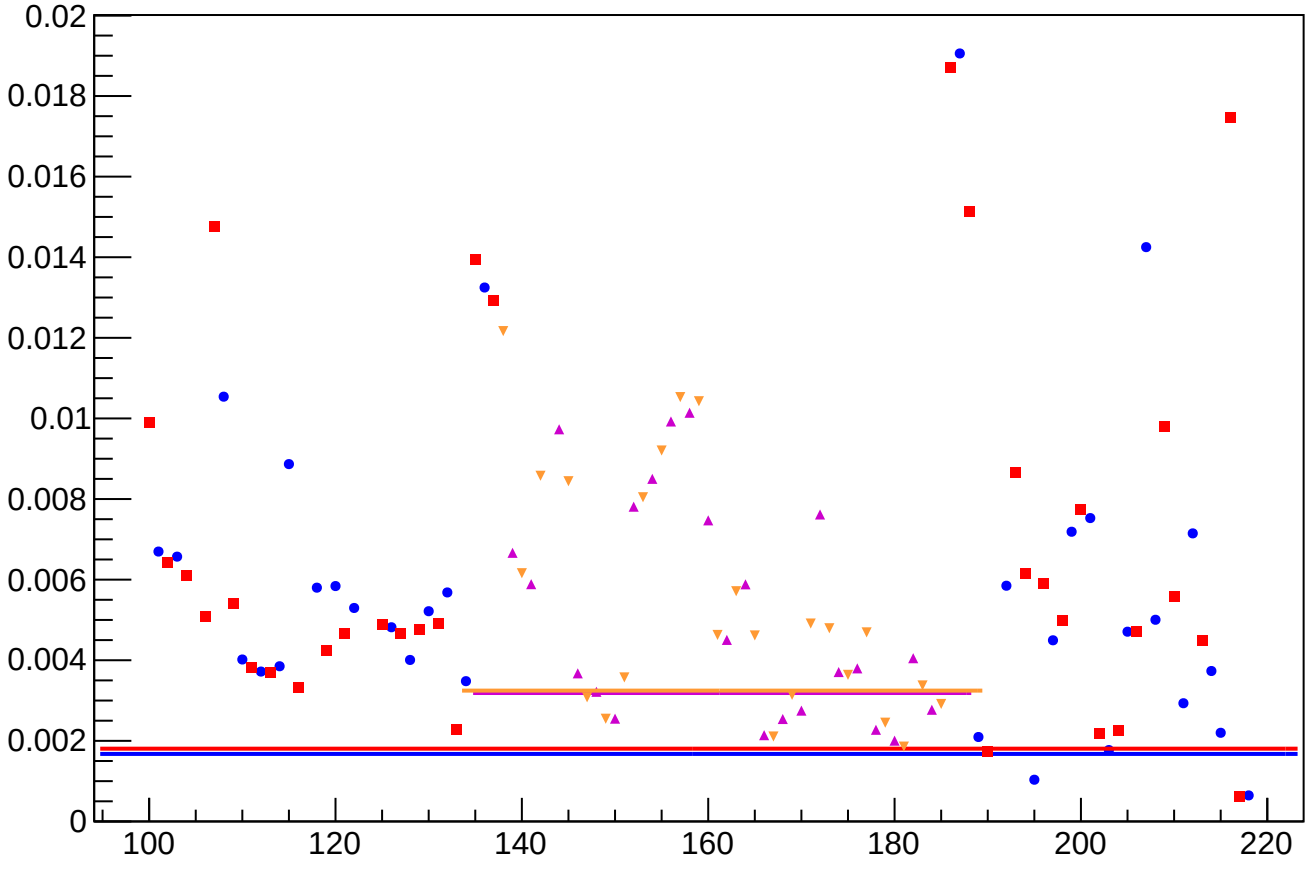
Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

Right: 0.000+/-0.000 χ^2/NDF: 123.2/65

In: -0.000+/-0.000 χ^2/NDF:64.3/54

Out: 0.000+/-0.000 χ^2/NDF:118.1/57

All: 0.000+/-0.000 χ^2/NDF: 188.3/112



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: 20835552.0/33

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

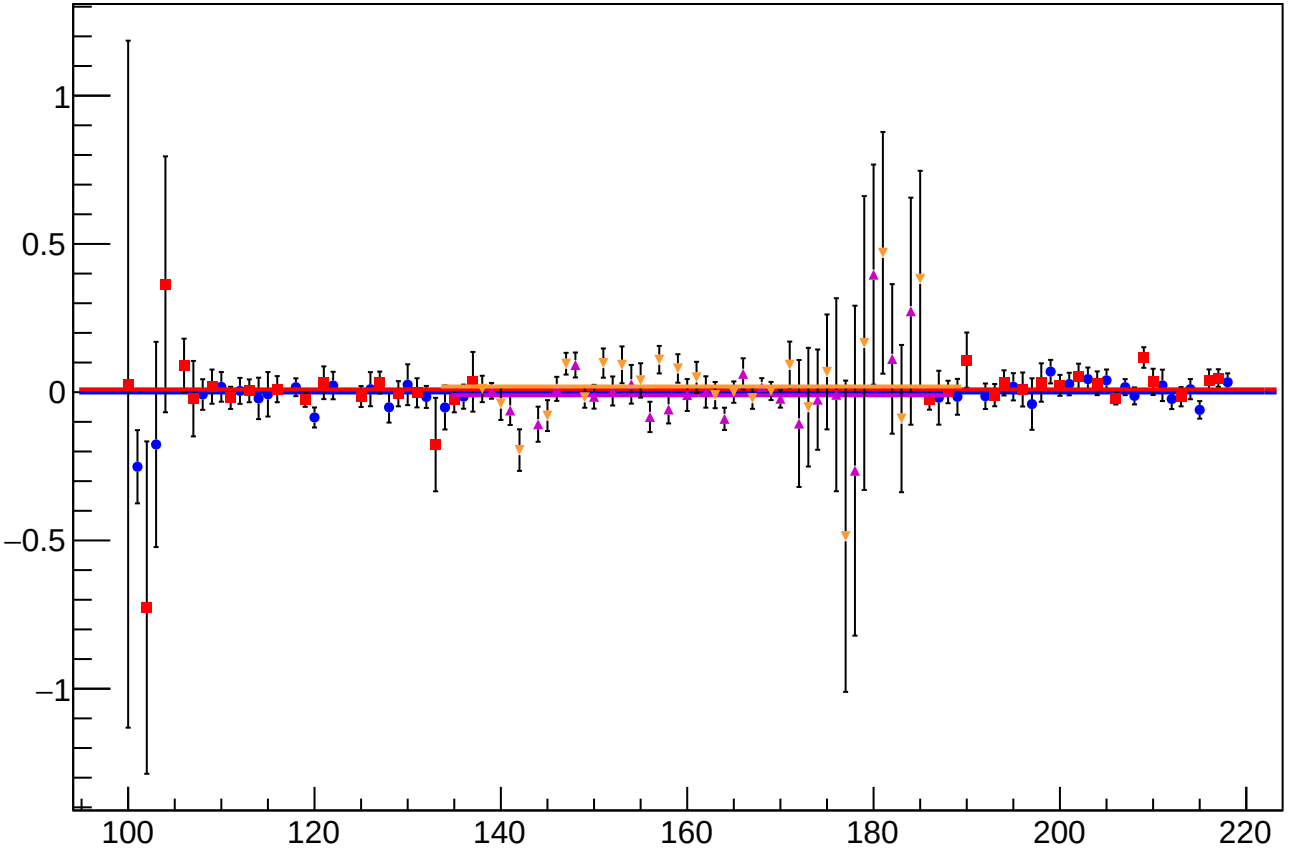
Right: 0.002+/-0.000 χ^2/NDF: 39799586.6/65

In: 0.002+/-0.000 χ^2/NDF:30549702.7/54

Out: 0.002+/-0.000 χ^2/NDF:32168816.0/57

All: 0.002+/-0.000 χ^2/NDF: 62858485.4/112

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: 28.5/33

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

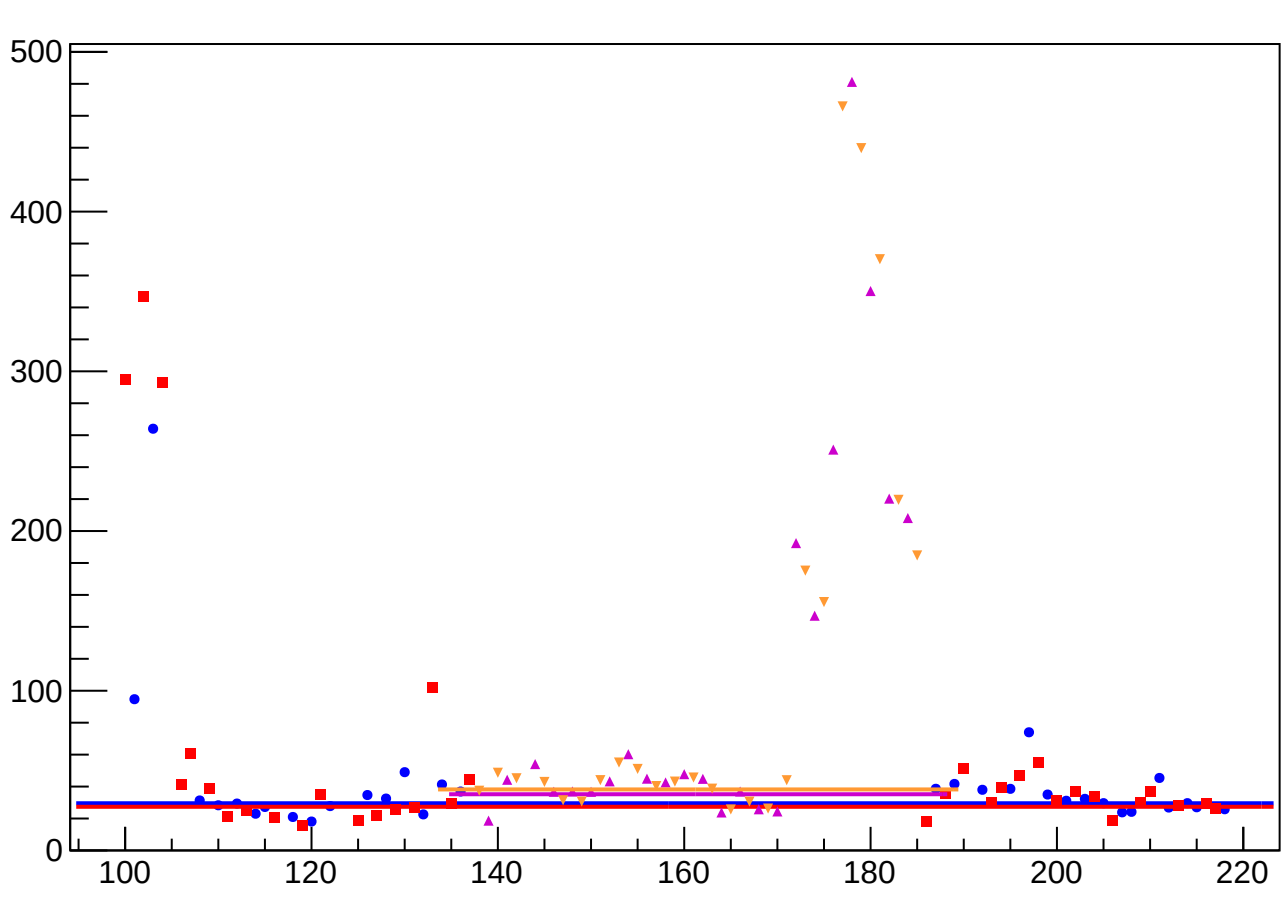
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.004+/-0.005 χ^2/NDF: 56.3/65

In: -0.004+/-0.006 χ^2/NDF:50.9/54

Out: 0.012+/-0.006 χ^2/NDF:65.0/57

All: 0.004+/-0.004 χ^2/NDF: 119.8/112



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: 27.342+/-0.005 χ^2/NDF: 4830404.1/33

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

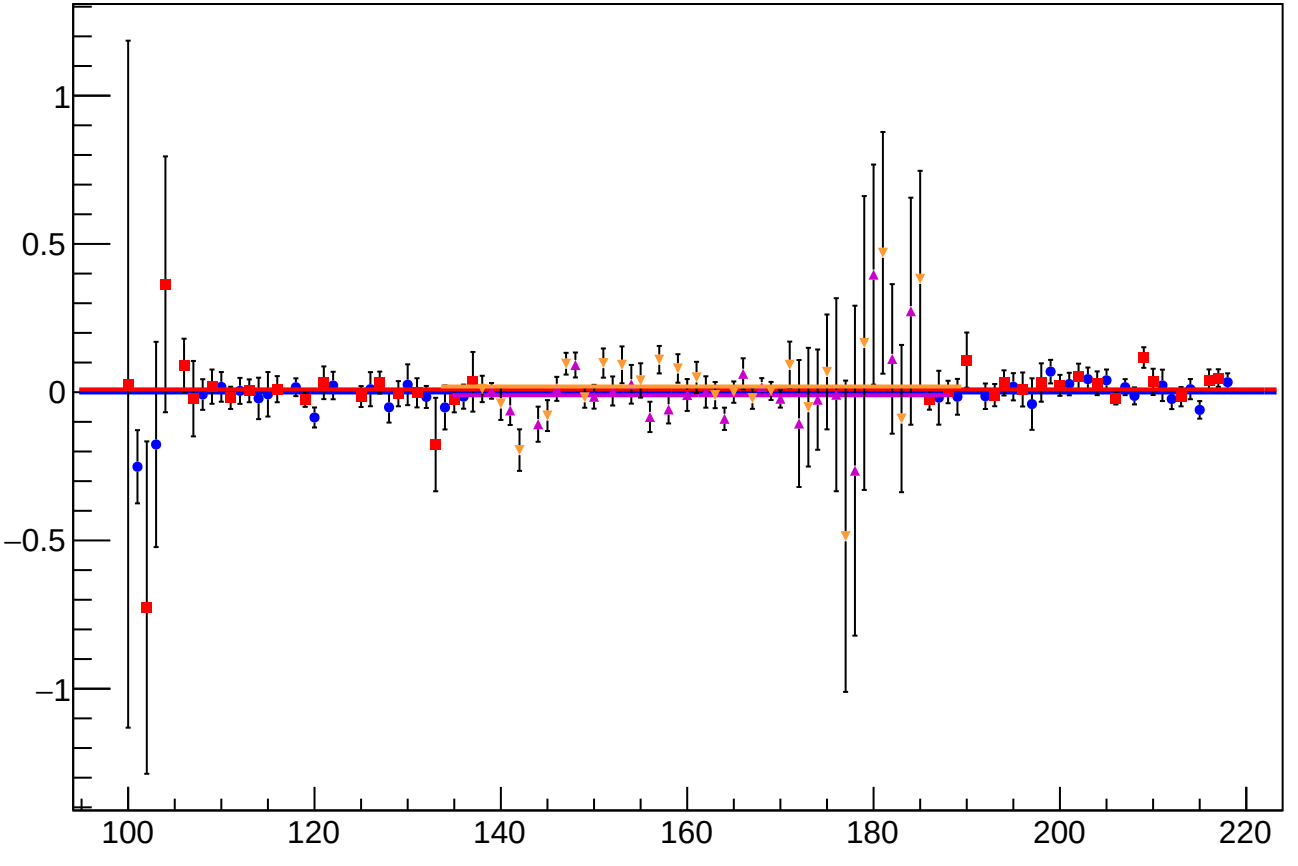
Right: 28.399+/-0.004 χ^2/NDF: 8408733.9/65

In: 31.518+/-0.004 χ^2/NDF:13271881.1/54

Out: 30.656+/-0.004 χ^2/NDF:14521518.0/57

All: 31.081+/-0.003 χ^2/NDF: 27813971.0/112

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: 28.5/33

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

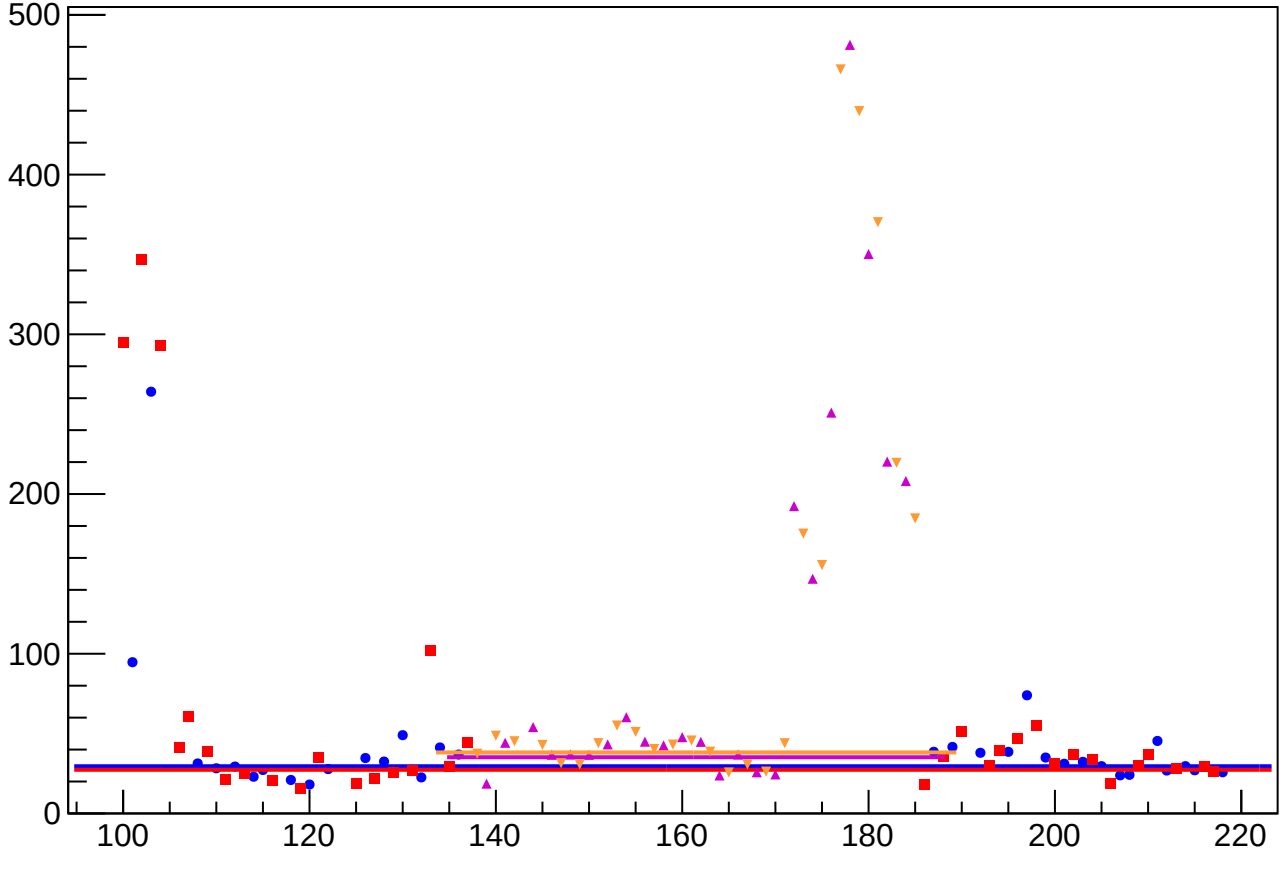
Right: 0.004+/-0.005 χ^2/NDF: 56.3/65

In: -0.004+/-0.006 χ^2/NDF:50.9/54

Out: 0.012+/-0.006 χ^2/NDF:65.0/57

All: 0.004+/-0.004 χ^2/NDF: 119.8/112

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: 27.342+/-0.005 χ^2/NDF: 4830404.1/33

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

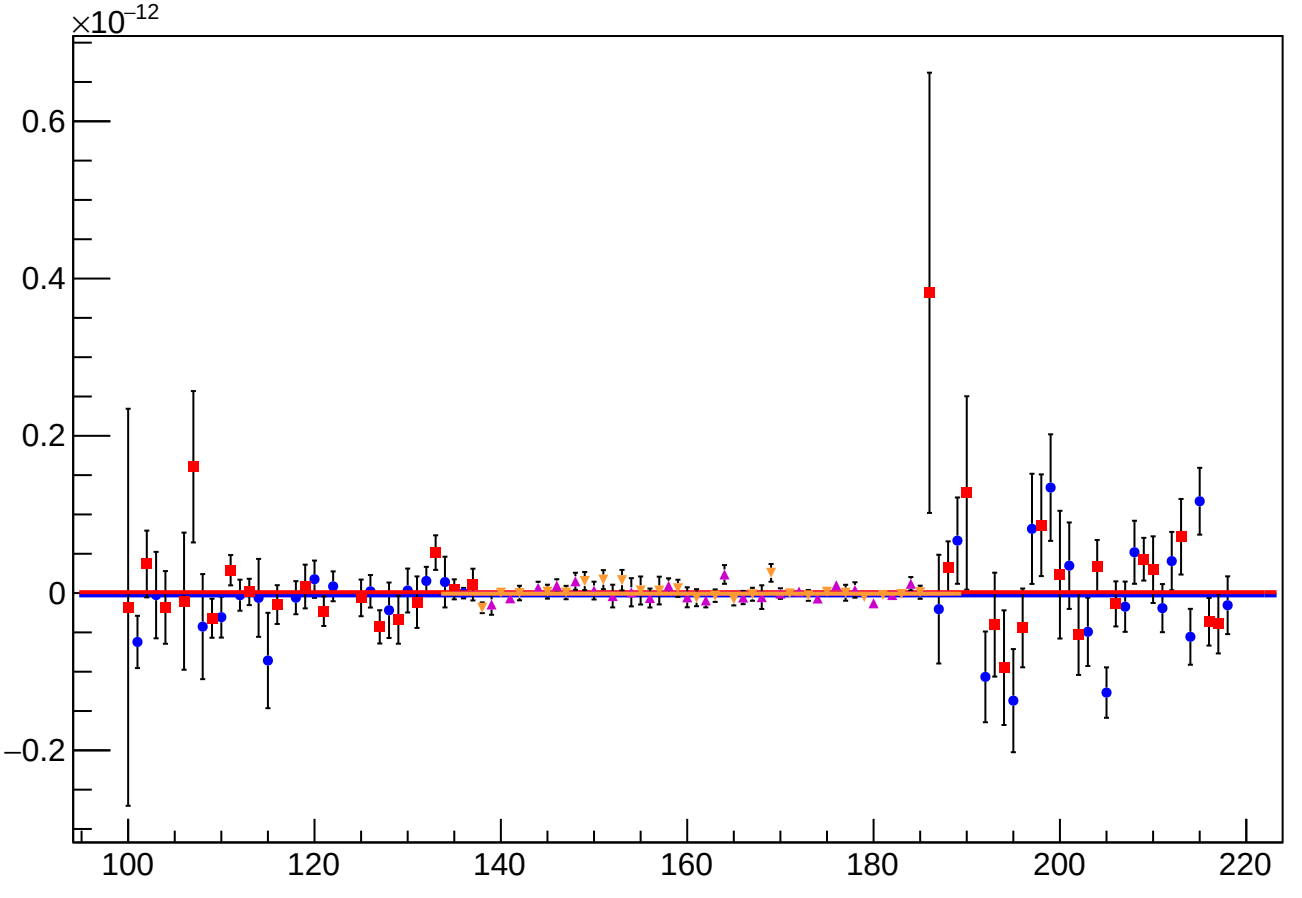
Right: 28.399+/-0.004 χ^2/NDF: 8408733.9/65

In: 31.518+/-0.004 χ^2/NDF:13271881.1/54

Out: 30.656+/-0.004 χ^2/NDF:14521518.0/57

All: 31.081+/-0.003 χ^2/NDF: 27813971.0/112

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 54.6/31

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 39.6/33

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

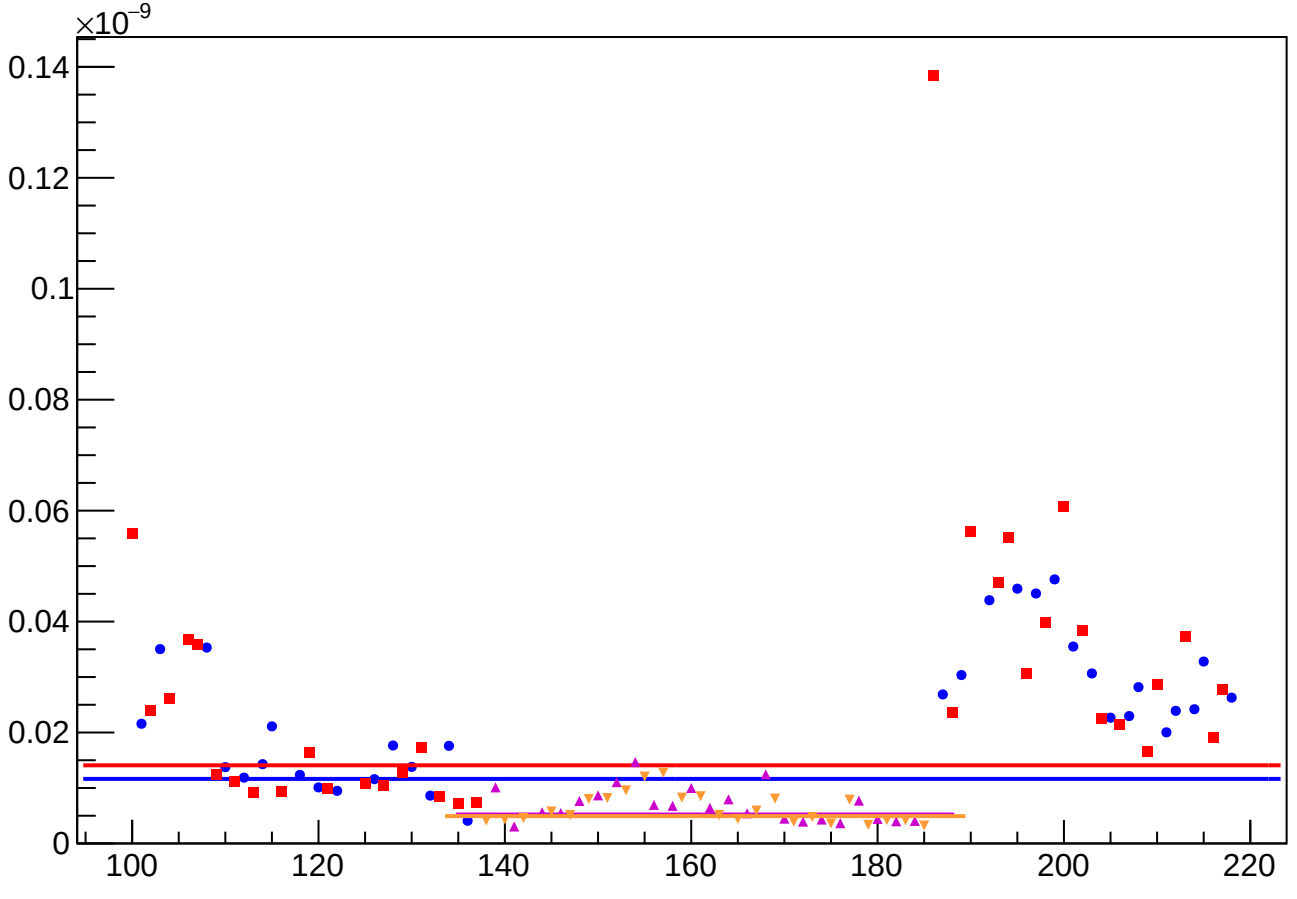
Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

Right: -0.000+/-0.000 χ^2/NDF: 94.7/65

In: -0.000+/-0.000 χ^2/NDF:81.2/54

Out: -0.000+/-0.000 χ^2/NDF:60.9/57

All: -0.000+/-0.000 χ^2/NDF: 142.1/112



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: 6857407.5/33

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

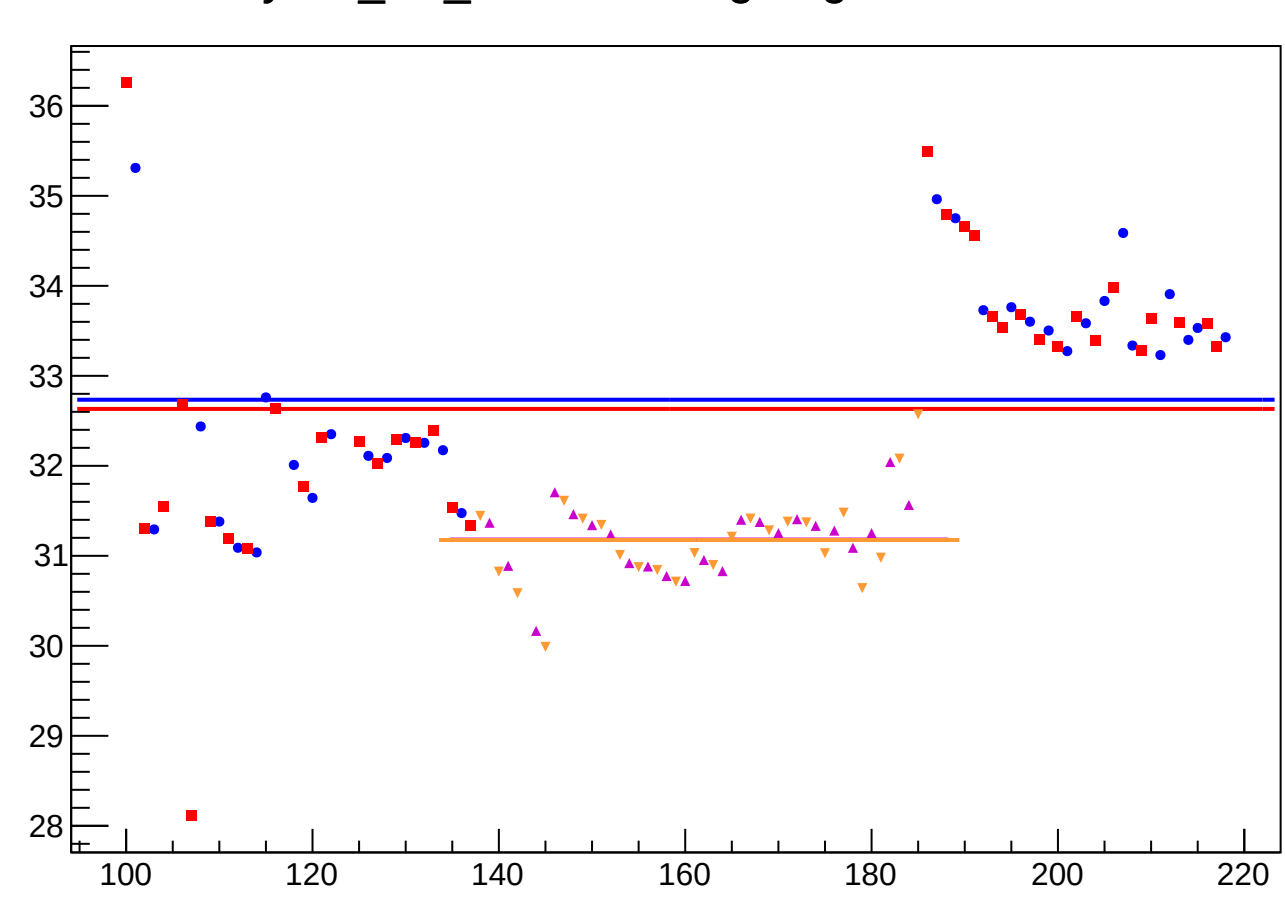
Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

Right: 0.000+/-0.000 χ^2/NDF: 16305917.6/65

In: 0.000+/-0.000 χ^2/NDF:16420161.9/54

Out: 0.000+/-0.000 χ^2/NDF:15667804.3/57

All: 0.000+/-0.000 χ^2/NDF: 32115643.9/112



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: 32.632+/-0.000 χ^2/NDF: 2389923643.0/34

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

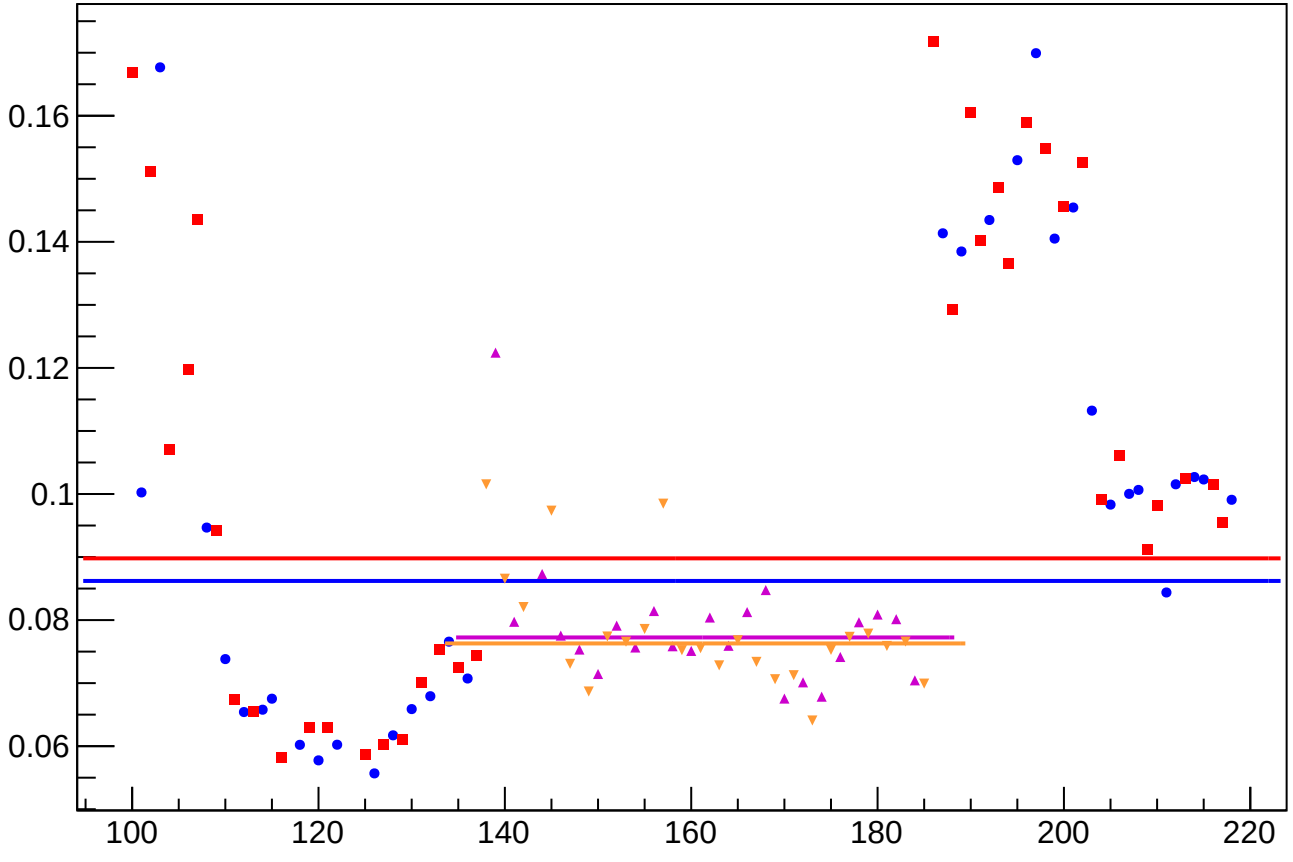
Right: 32.685+/-0.000 χ^2/NDF: 4964816033.8/66

In: 31.889+/-0.000 χ^2/NDF:5990111818.5/54

Out: 31.800+/-0.000 χ^2/NDF:5535884556.0/58

All: 31.845+/-0.000 χ^2/NDF: 11546308291.0

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: 4015576.6/34

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

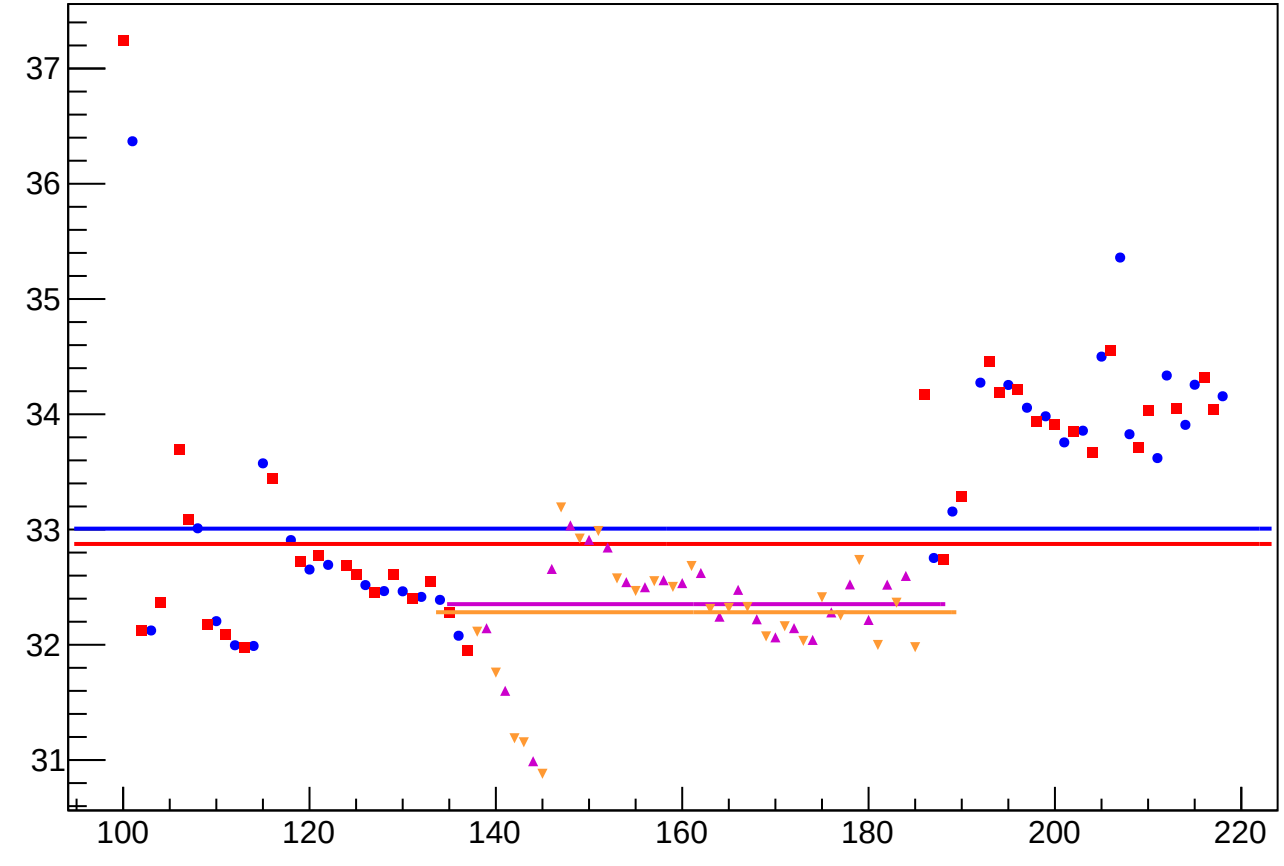
Right: 0.088+/-0.000 χ^2/NDF: 7670162.1/66

In: 0.081+/-0.000 χ^2/NDF:4194124.1/54

Out: 0.082+/-0.000 χ^2/NDF:4821714.3/58

All: 0.082+/-0.000 χ^2/NDF: 9018646.7/113

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: 32.875+/-0.000 χ^2/NDF: 697303544.6/34

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

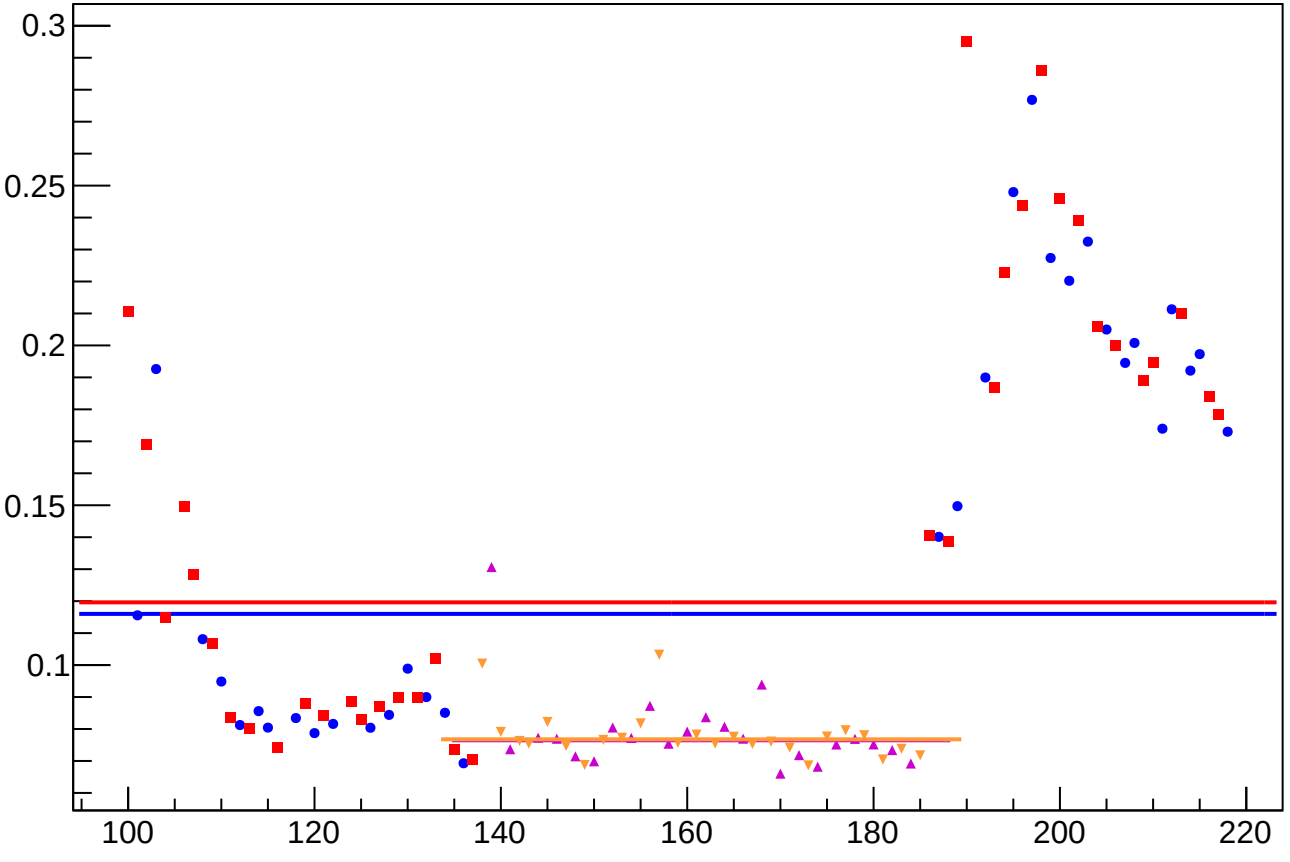
Right: 32.942+/-0.000 χ^2/NDF: 1996281464.2/66

In: 32.540+/-0.000 χ^2/NDF:2231847903.8/54

Out: 32.442+/-0.000 χ^2/NDF:1820179699.0/59

All: 32.490+/-0.000 χ^2/NDF: 4071378597.9/1

yield_usr_rms vs Slug, Sign Corrected



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: 0.120+/-0.000 χ^2/NDF: 6416272.3/34

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

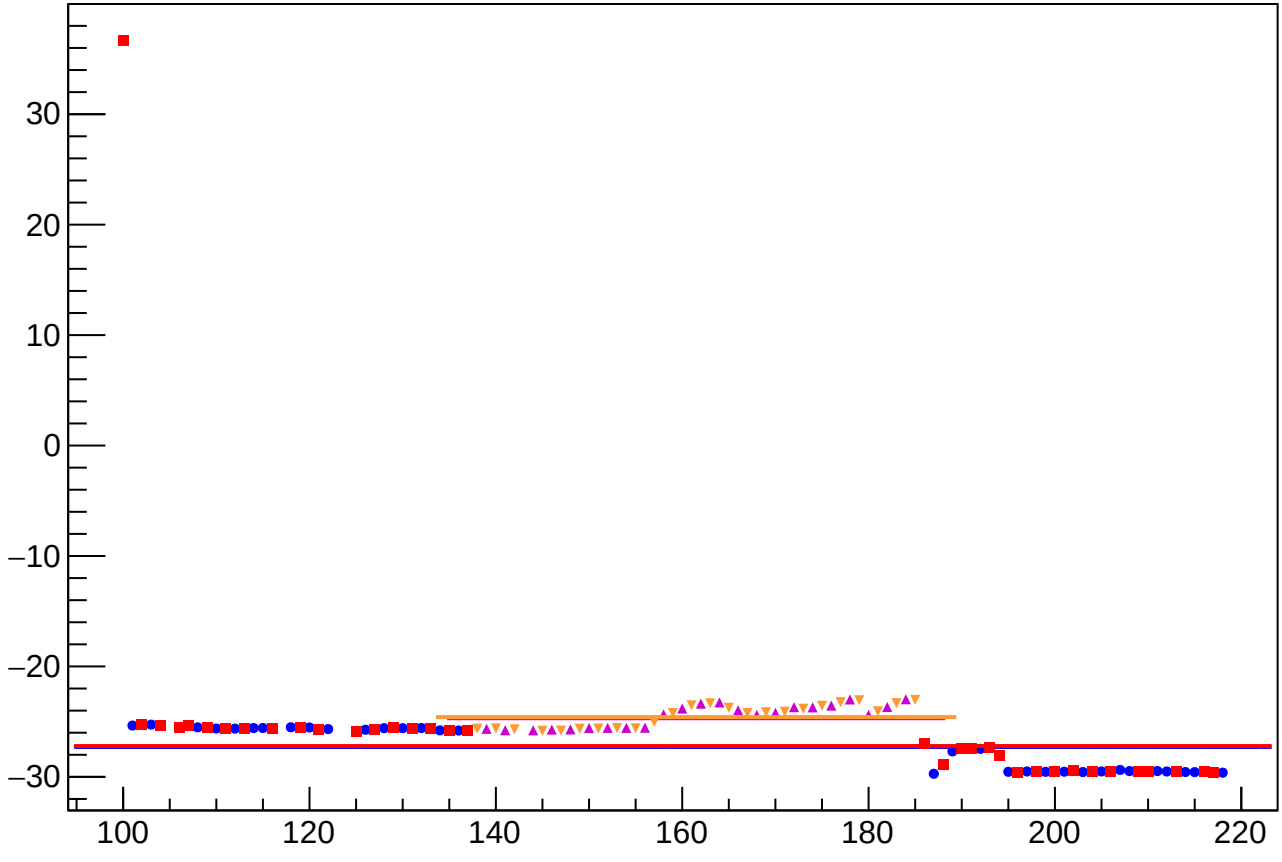
Right: 0.118+/-0.000 χ^2/NDF: 13166908.5/66

In: 0.088+/-0.000 χ^2/NDF:9789940.3/54

Out: 0.088+/-0.000 χ^2/NDF:9639348.7/59

All: 0.088+/-0.000 χ^2/NDF: 19430575.7/114

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: -27.209+/-0.000 χ^2/NDF: 35344796002.0/34

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

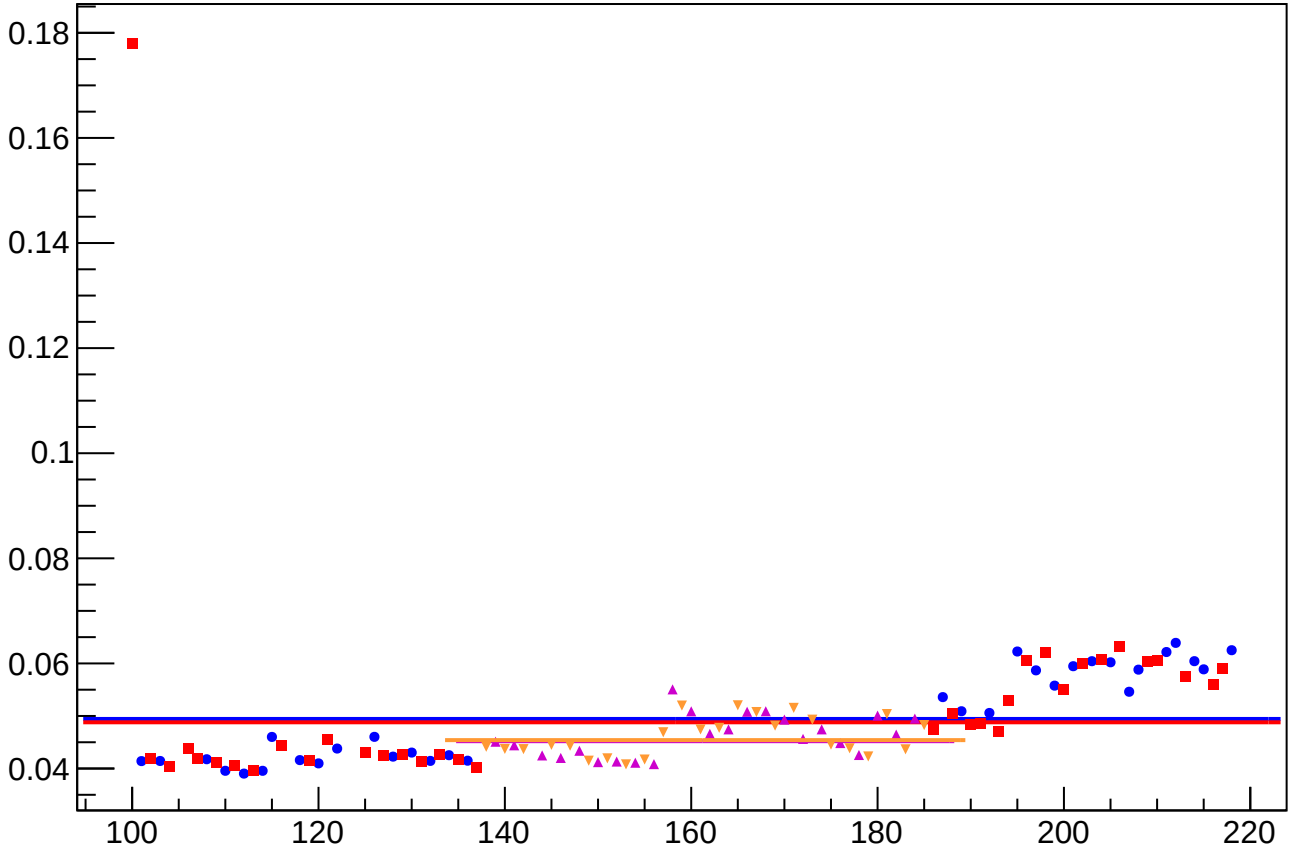
Right: -27.248+/-0.000 χ^2/NDF: 62922635542.2/66

In: -25.914+/-0.000 χ^2/NDF:64122361200.4/54

Out: -25.852+/-0.000 χ^2/NDF:73487528716.6/58

All: -25.883+/-0.000 χ^2/NDF: 137641208689

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: 1115197.9/34

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

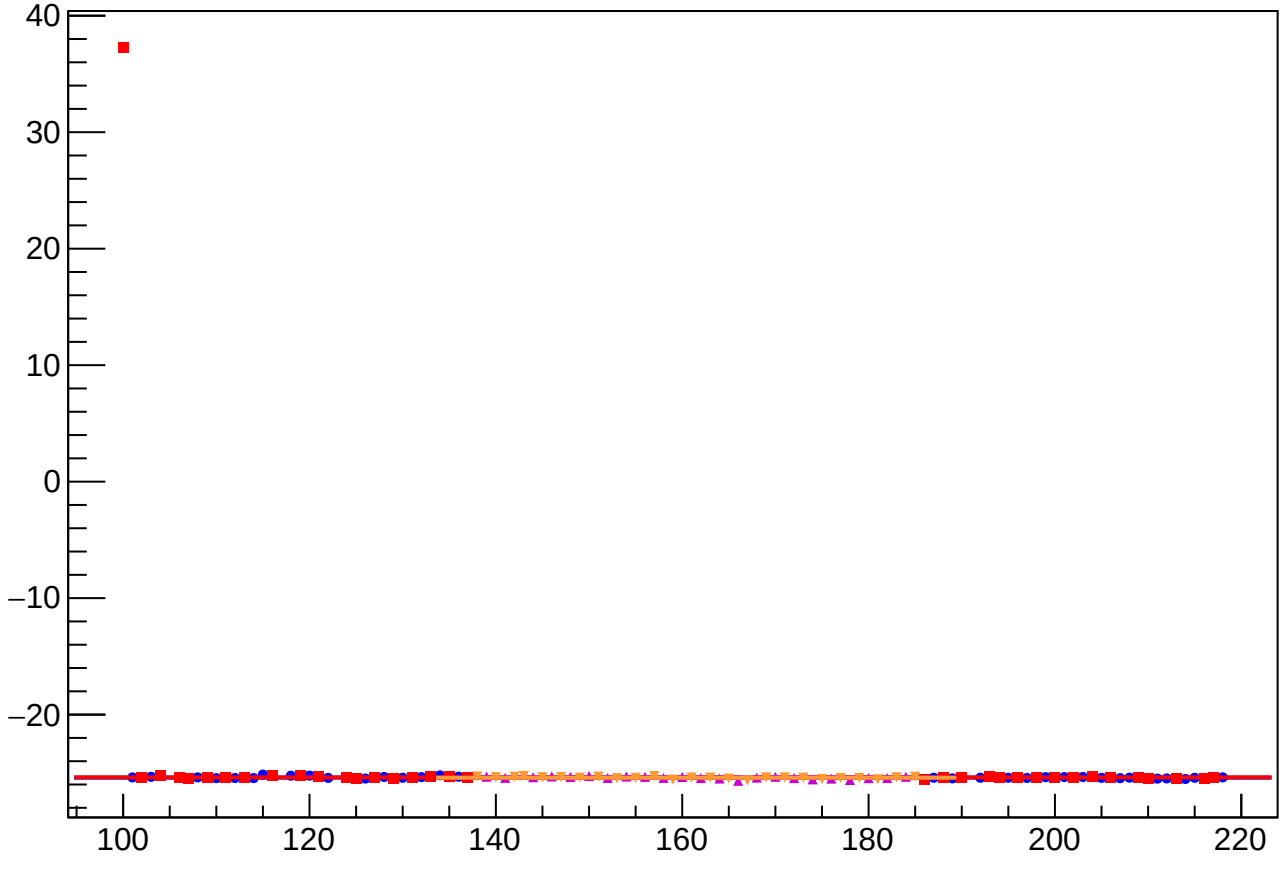
Right: 0.049+/-0.000 χ^2/NDF: 2290448.8/66

In: 0.047+/-0.000 χ^2/NDF:1563592.6/54

Out: 0.047+/-0.000 χ^2/NDF:1417675.3/58

All: 0.047+/-0.000 χ^2/NDF: 2981669.8/113

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: -25.388+/-0.000 χ^2/NDF: 6347034262.3/34

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

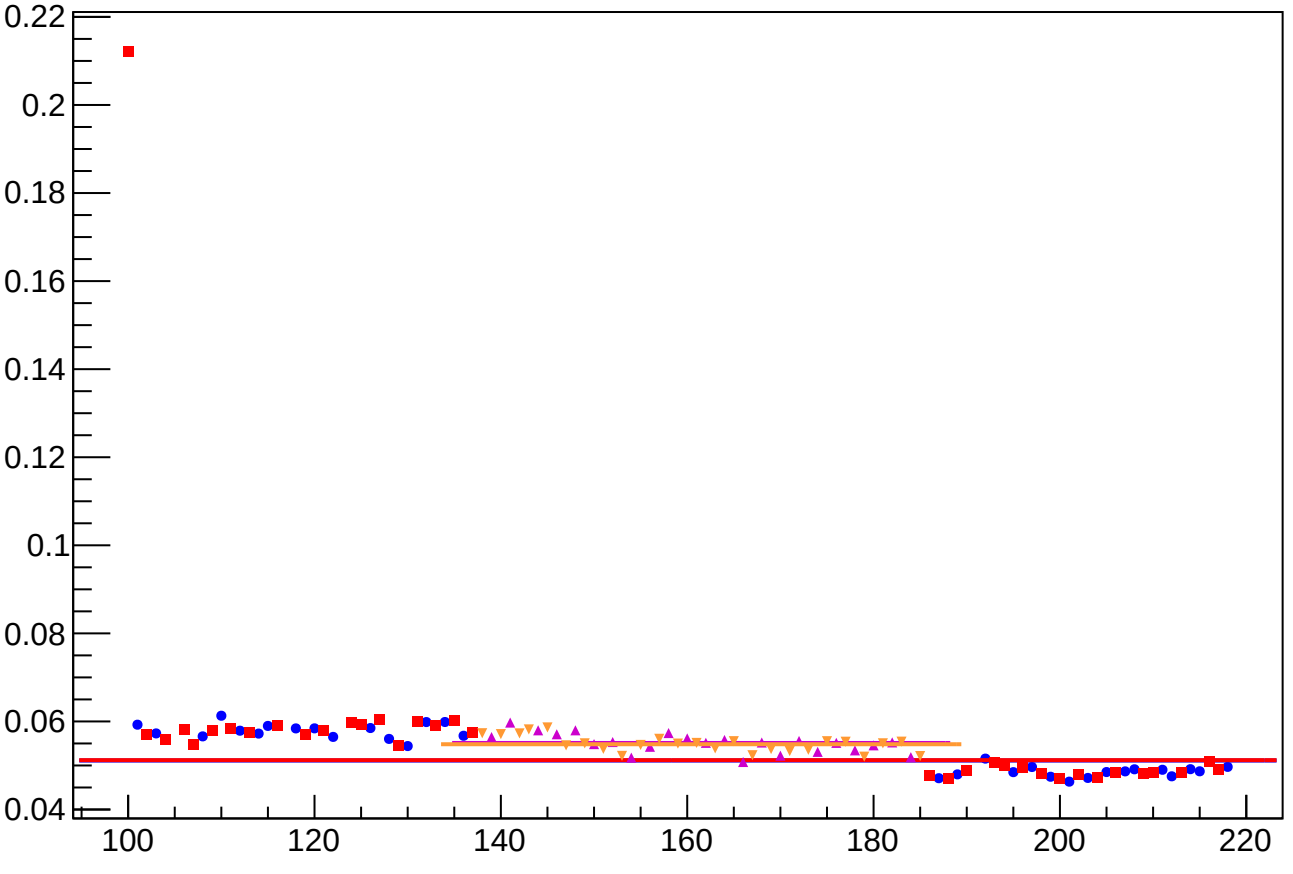
Right: -25.398+/-0.000 χ^2/NDF: 6380537800.6/66

In: -25.411+/-0.000 χ^2/NDF:87988433.7/54

Out: -25.401+/-0.000 χ^2/NDF:6402104978.9/59

All: -25.406+/-0.000 χ^2/NDF: 6490731421.0/

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: 379574.6/34

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

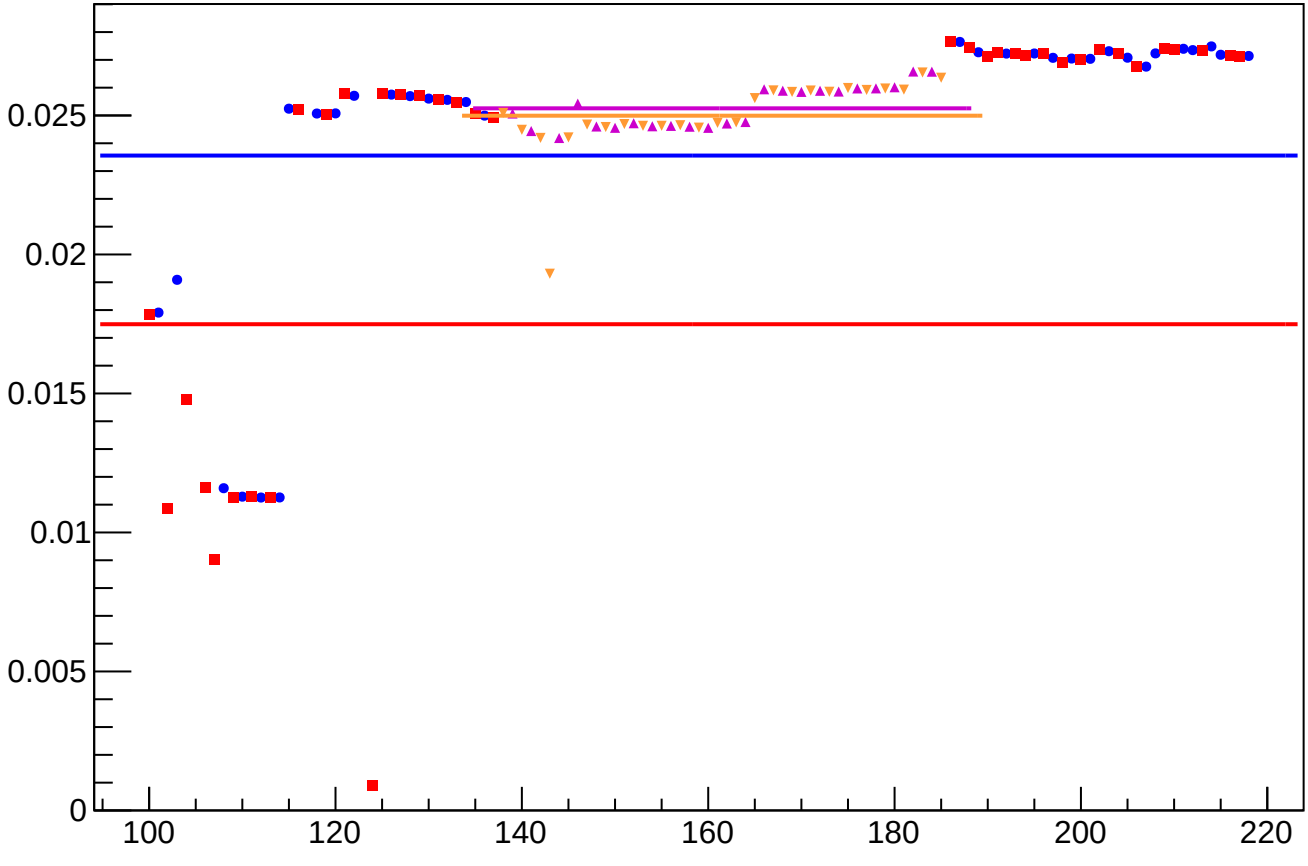
Right: 0.051+/-0.000 χ^2/NDF: 659783.0/66

In: 0.053+/-0.000 χ^2/NDF:435970.0/54

Out: 0.053+/-0.000 χ^2/NDF:506566.5/59

All: 0.053+/-0.000 χ^2/NDF: 942545.1/114

yield_atl1_mean vs Slug, Sign Corrected



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: 0.017+/-0.000 χ^2/NDF: 494744796382.8/35

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

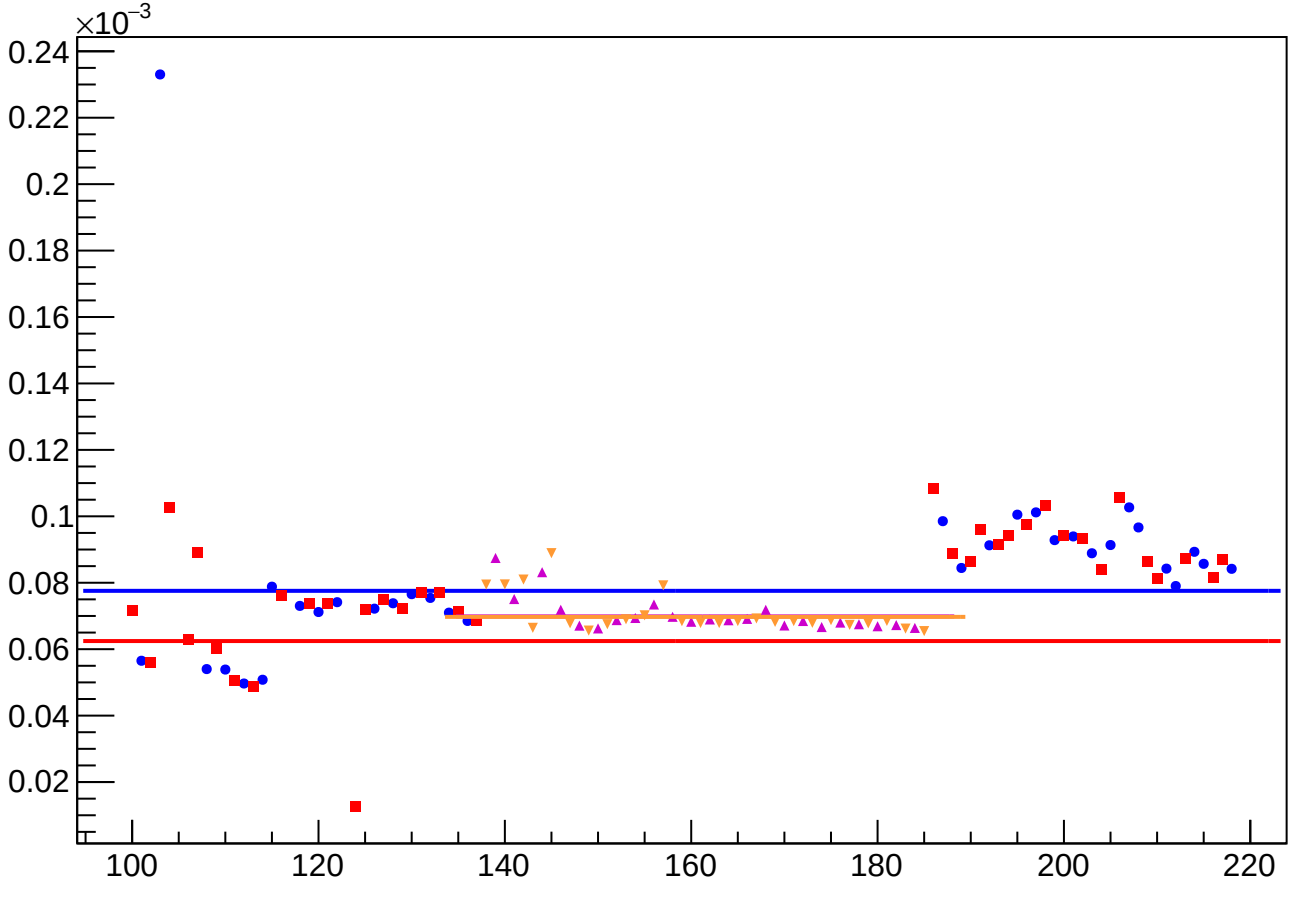
Right: 0.020+/-0.000 χ^2/NDF: 663270212806.3/67

In: 0.024+/-0.000 χ^2/NDF:110315151593.9/54

Out: 0.021+/-0.000 χ^2/NDF:614843392020.2/60

All: 0.023+/-0.000 χ^2/NDF: 765827160433.1

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: 7982123.2/35

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

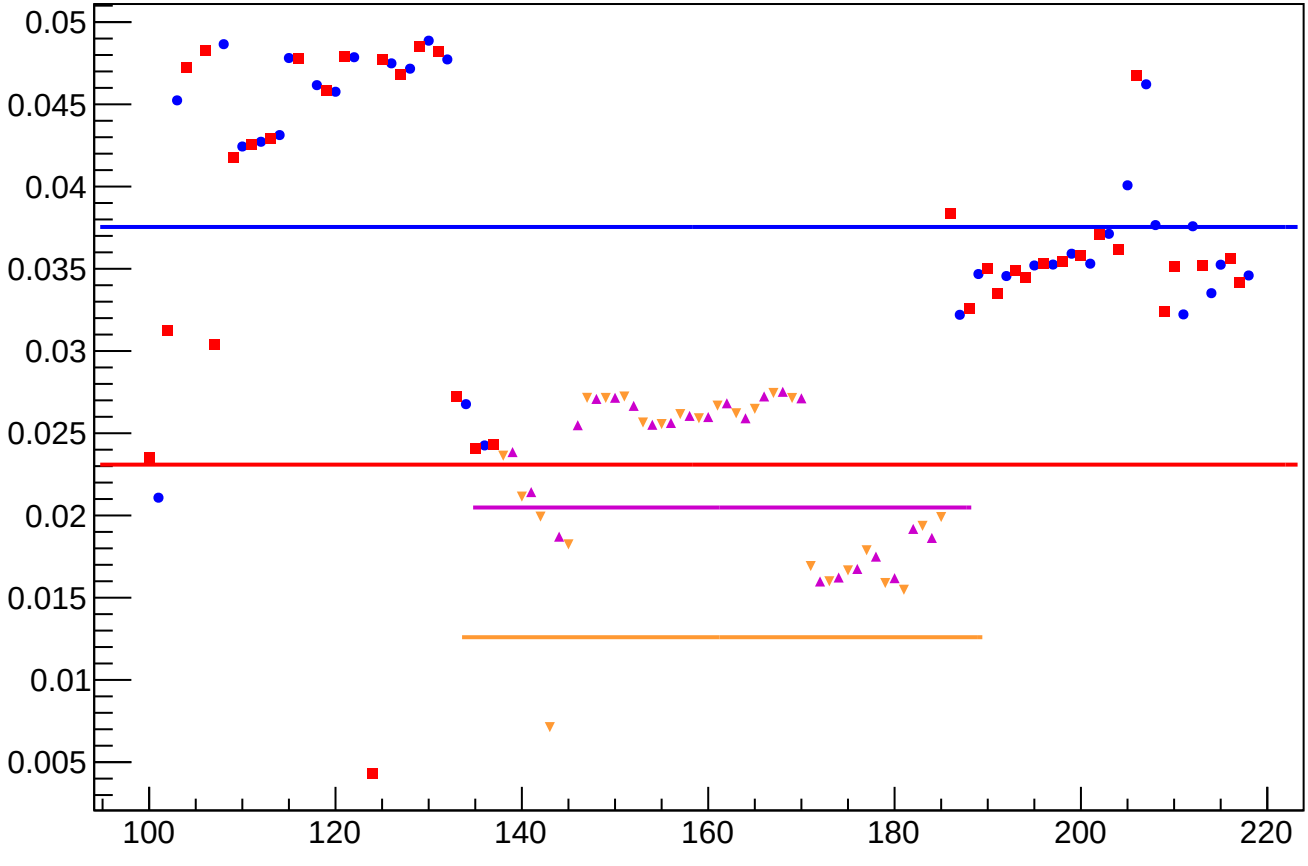
Right: 0.000+/-0.000 χ^2/NDF: 10748893.8/67

In: 0.000+/-0.000 χ^2/NDF:2311999.6/54

Out: 0.000+/-0.000 χ^2/NDF:8381766.9/60

All: 0.000+/-0.000 χ^2/NDF: 11094610.7/115

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: 48120501246.1/35

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

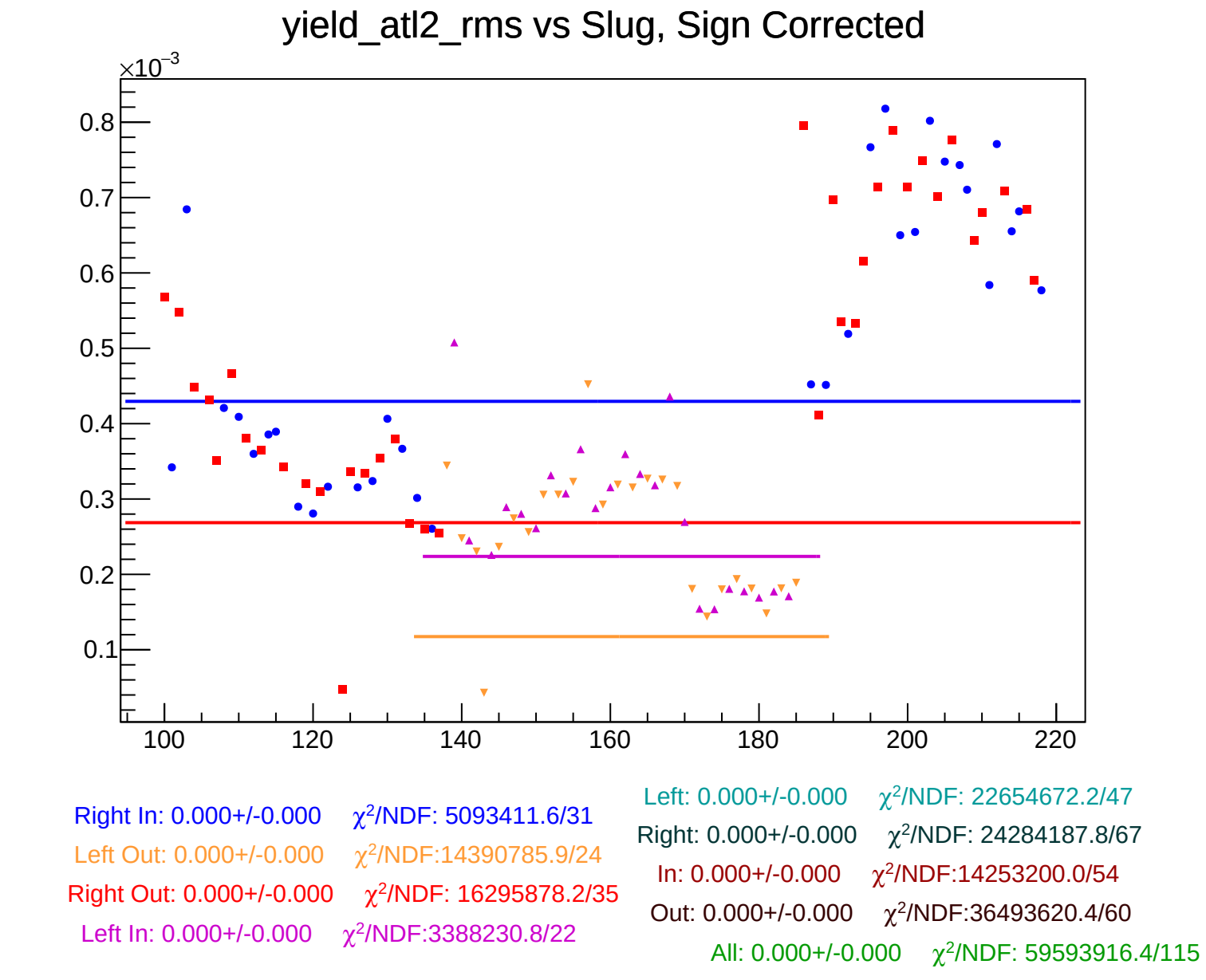
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.028+/-0.000 χ^2/NDF: 67261280631.0/67

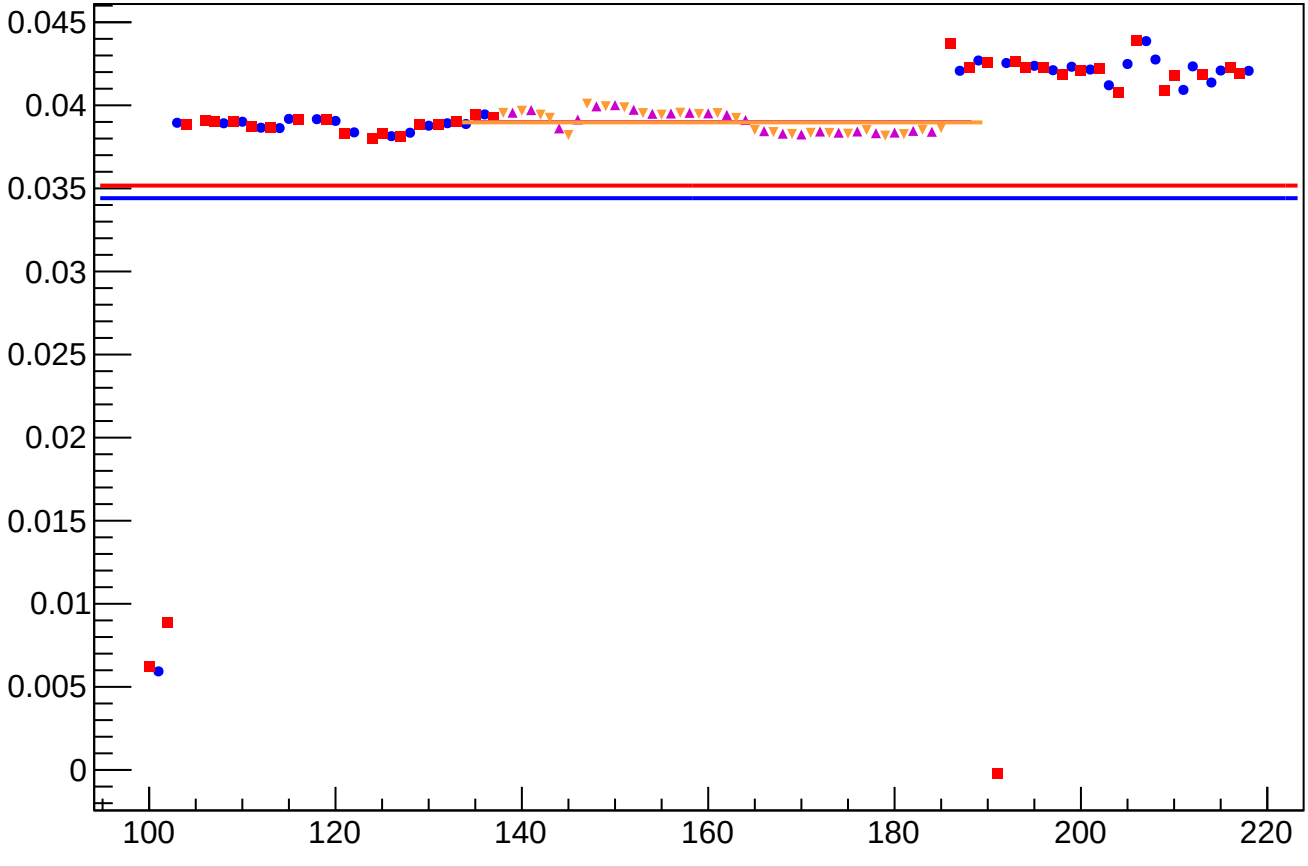
In: 0.024+/-0.000 χ^2/NDF:33408610673.6/54

Out: 0.014+/-0.000 χ^2/NDF:99446947765.0/60

All: 0.017+/-0.000 χ^2/NDF: 159957922937.6


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: 16295878.2/35
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: 24284187.8/67
In: 0.000+/-0.000 χ²/NDF:14253200.0/54
Out: 0.000+/-0.000 χ²/NDF:36493620.4/60
All: 0.000+/-0.000 χ²/NDF: 59593916.4/115

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: 123536938764.7/35

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

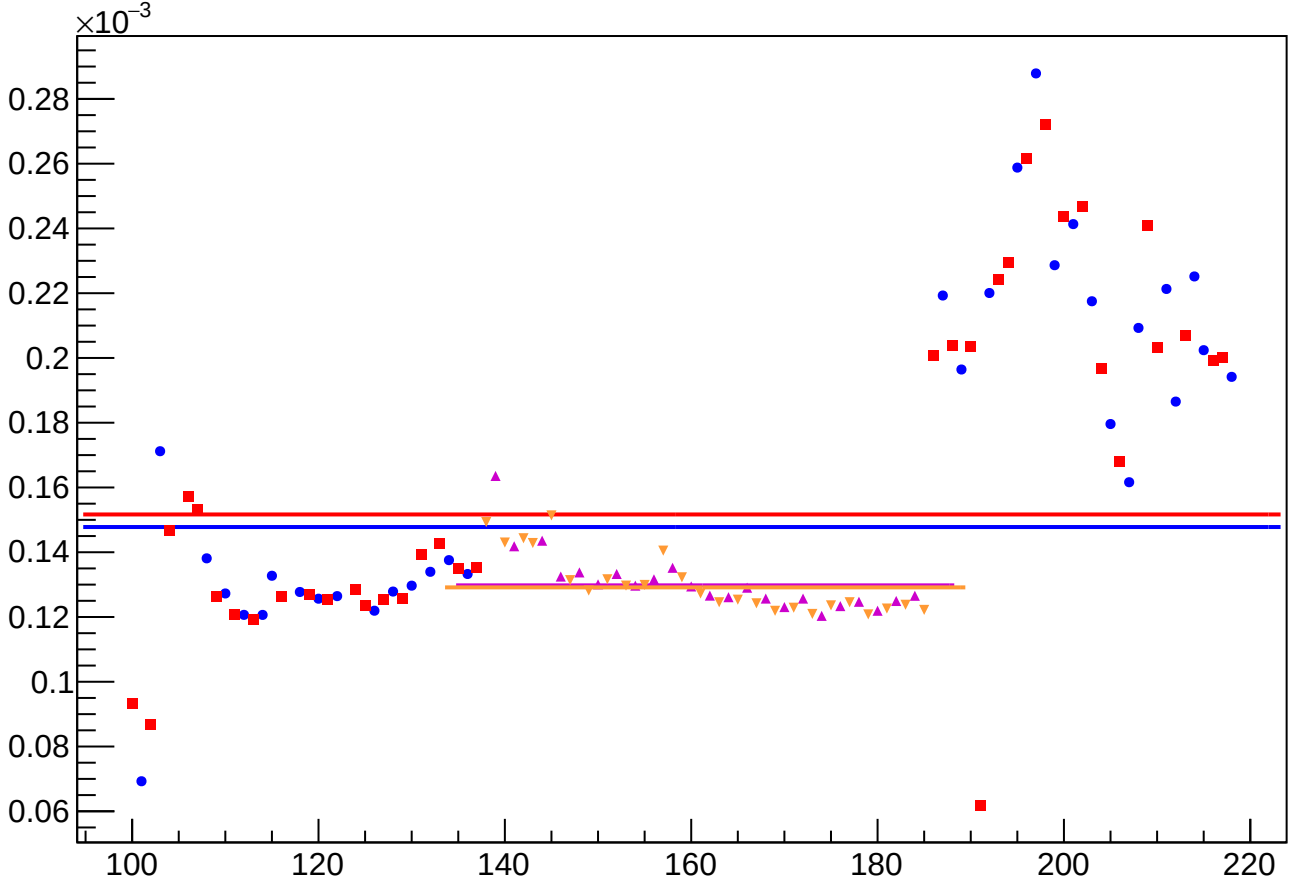
Right: 0.035+/-0.000 χ^2/NDF: 259998696317.8/67

In: 0.037+/-0.000 χ^2/NDF:146176708342.1/54

Out: 0.037+/-0.000 χ^2/NDF:130635671714.0/60

All: 0.037+/-0.000 χ^2/NDF: 276960585450.0

yield_atr1_rms vs Slug, Sign Corrected



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: 4118547.3/35

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

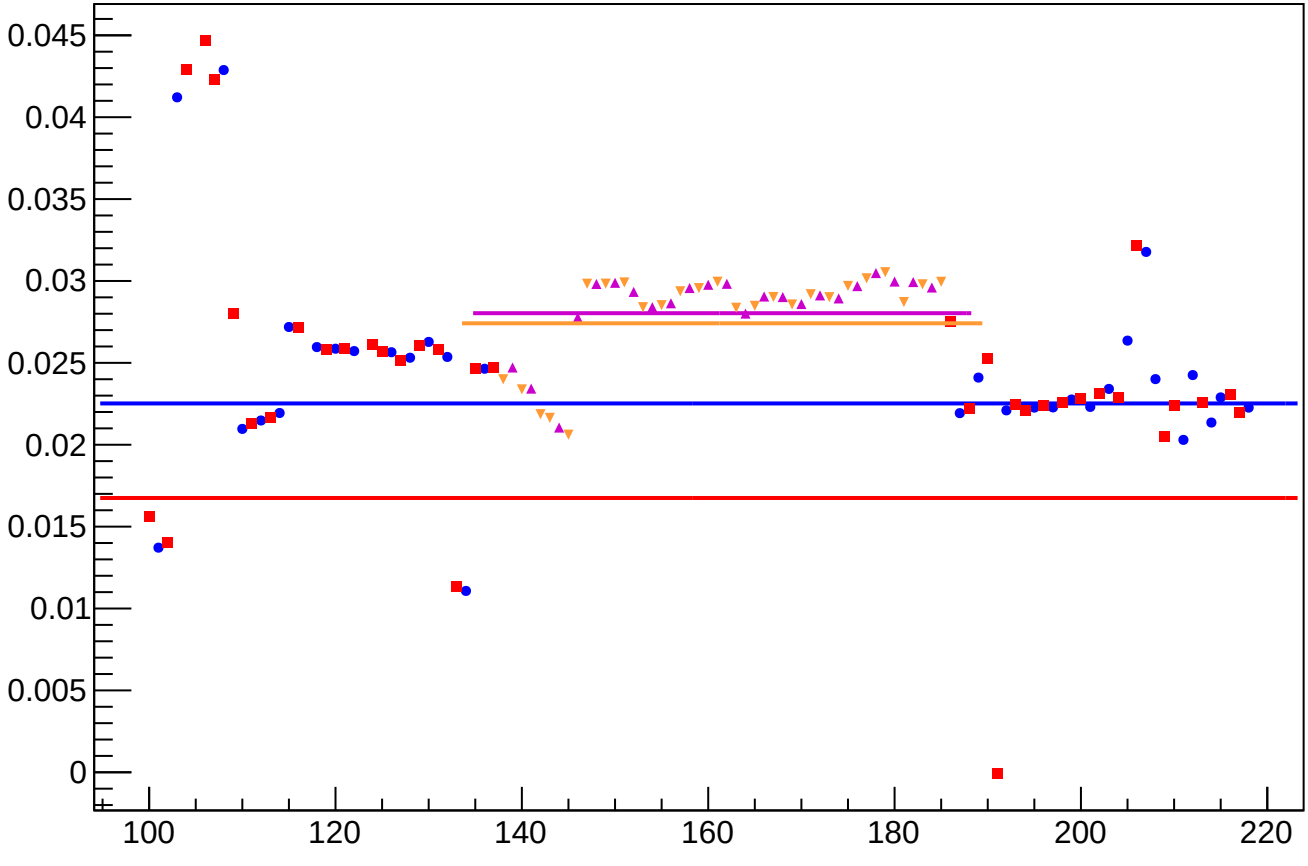
Right: 0.000+/-0.000 χ^2/NDF: 8593838.2/67

In: 0.000+/-0.000 χ^2/NDF:4899562.7/54

Out: 0.000+/-0.000 χ^2/NDF:4740324.8/60

All: 0.000+/-0.000 χ^2/NDF: 9641049.7/115

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: 25970027257.6/35

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

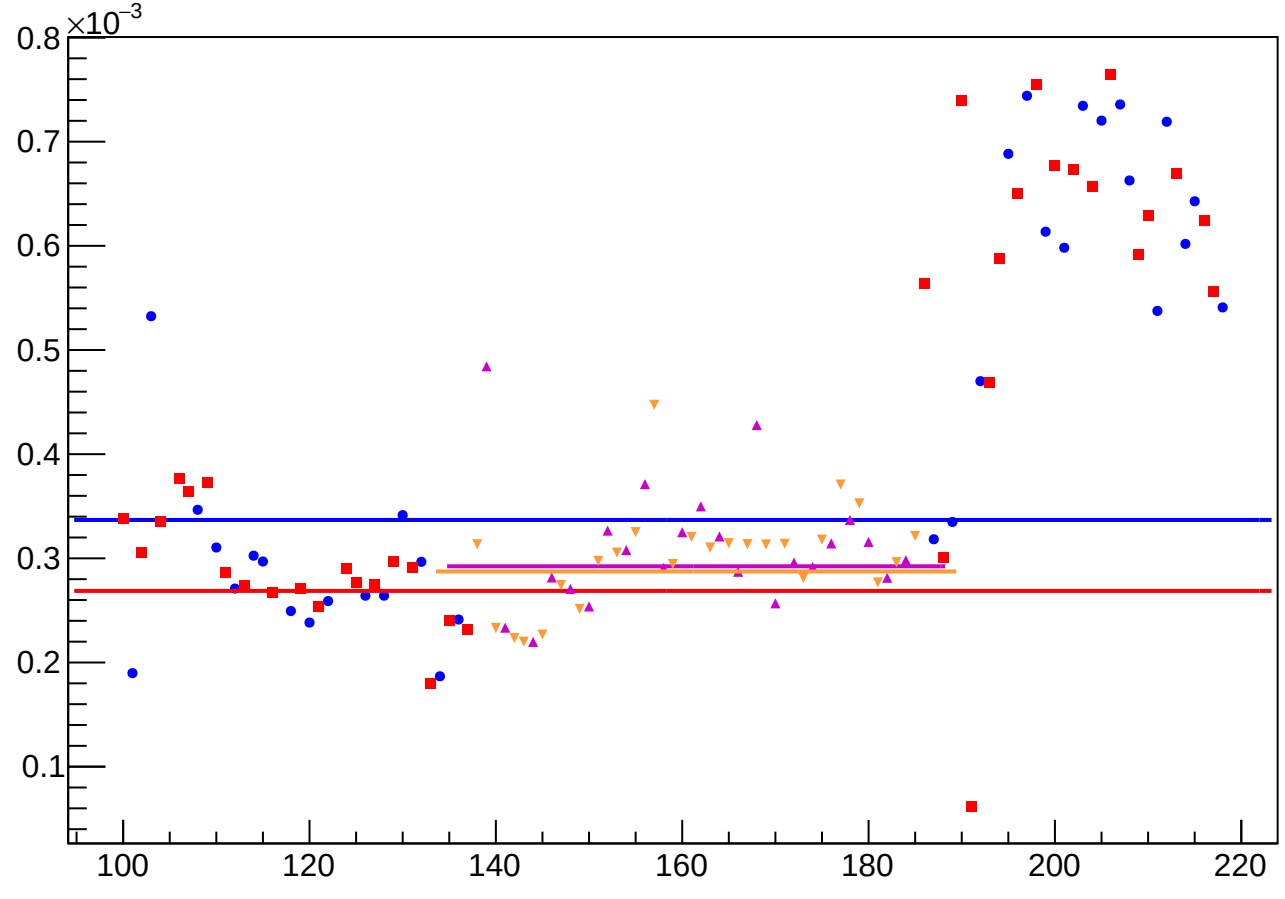
Right: 0.019+/-0.000 χ^2/NDF: 33722434646.2/67

In: 0.026+/-0.000 χ^2/NDF:9095375686.6/54

Out: 0.022+/-0.000 χ^2/NDF:39112869114.2/60

All: 0.024+/-0.000 χ^2/NDF: 50122849016.9/1

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: 12376591.2/35

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

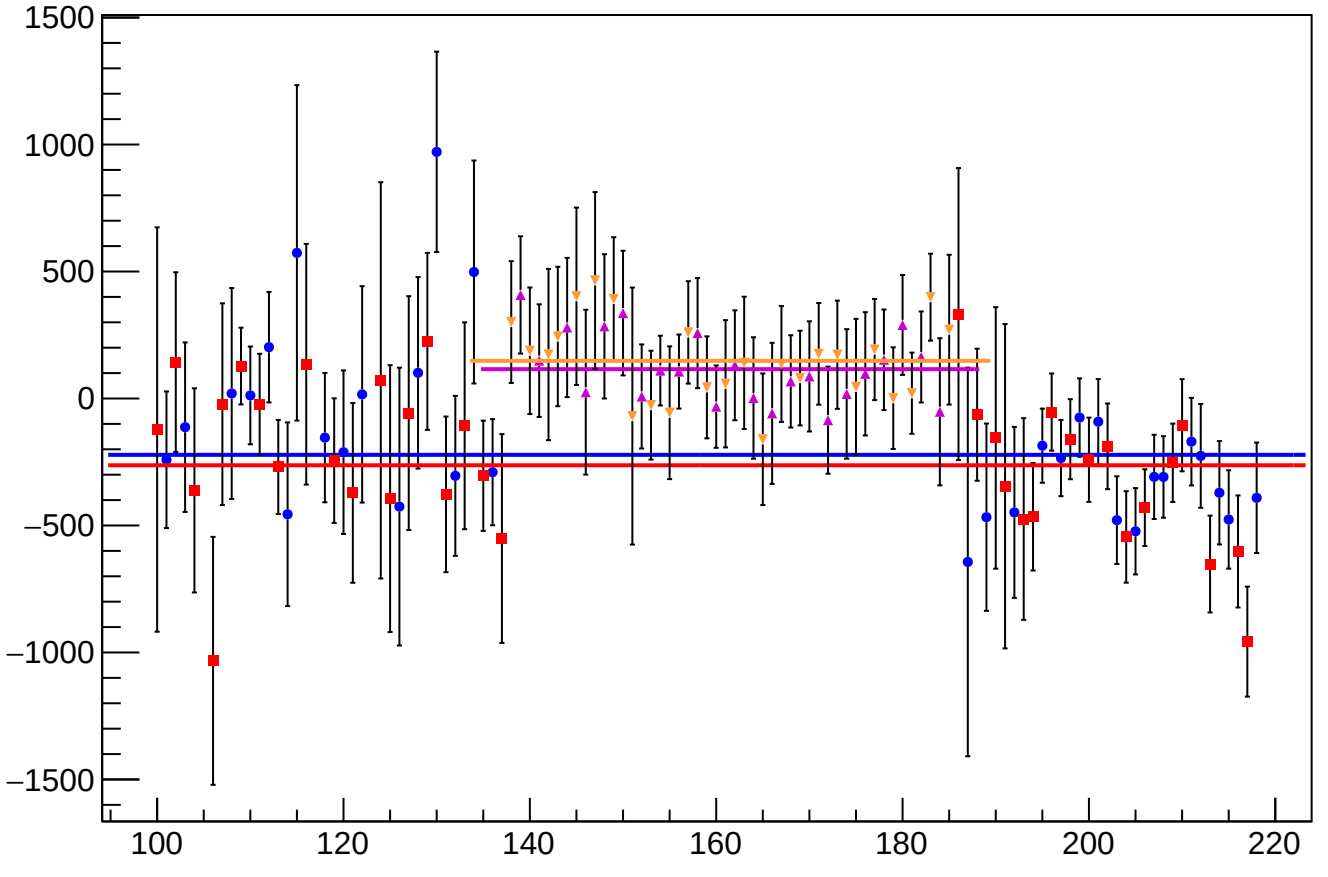
Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

Right: 0.000+/-0.000 χ^2/NDF: 20316935.5/67

In: 0.000+/-0.000 χ^2/NDF:8515019.4/54

Out: 0.000+/-0.000 χ^2/NDF:13264829.4/60

All: 0.000+/-0.000 χ^2/NDF: 22136894.1/115



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: -262.882+/-39.524 χ^2/NDF: 43.2/35

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

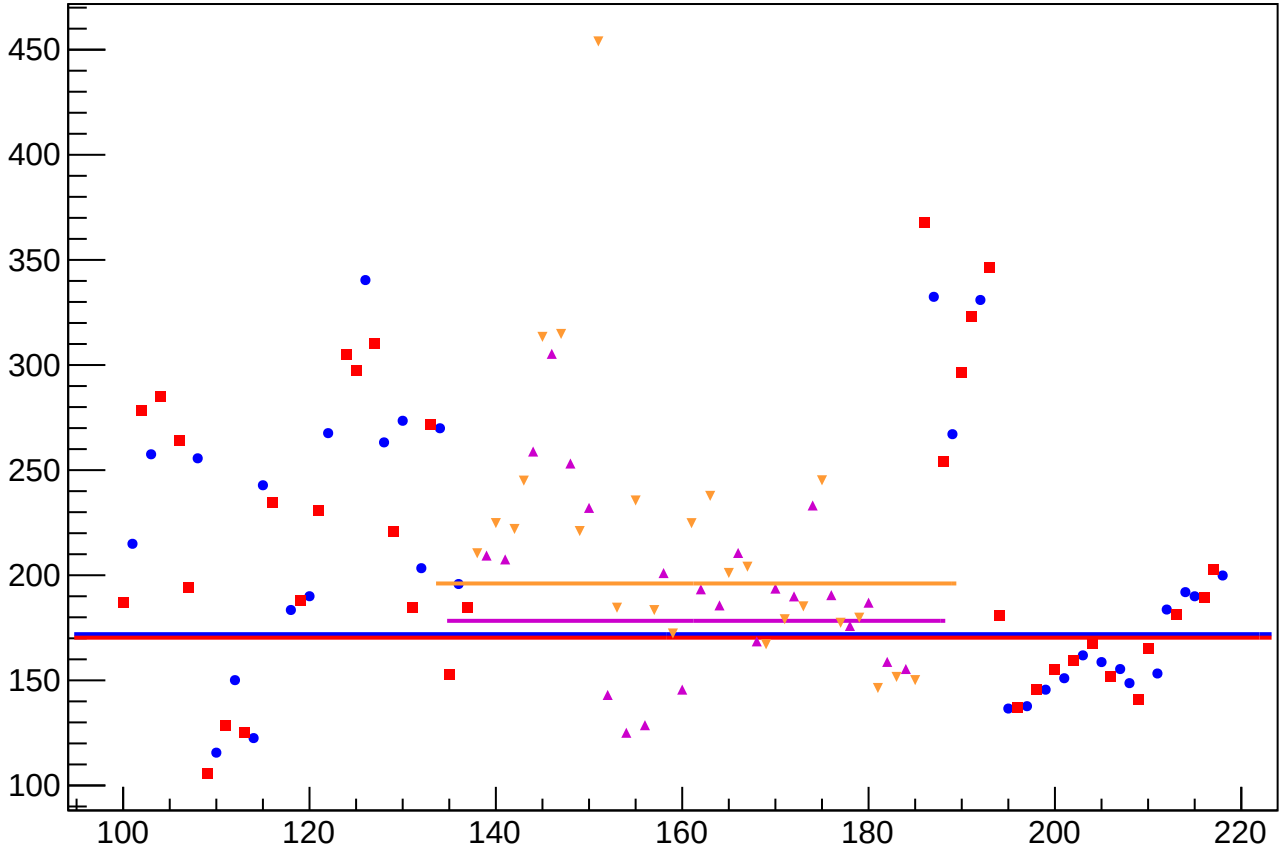
Right: -242.504+/-28.040 χ^2/NDF: 76.2/67

In: -68.458+/-29.379 χ^2/NDF:73.0/54

Out: -89.215+/-30.039 χ^2/NDF:99.2/60

All: -78.606+/-21.003 χ^2/NDF: 172.4/115

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: 170.304+/-0.028 χ^2/NDF: 3075771.1/35

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

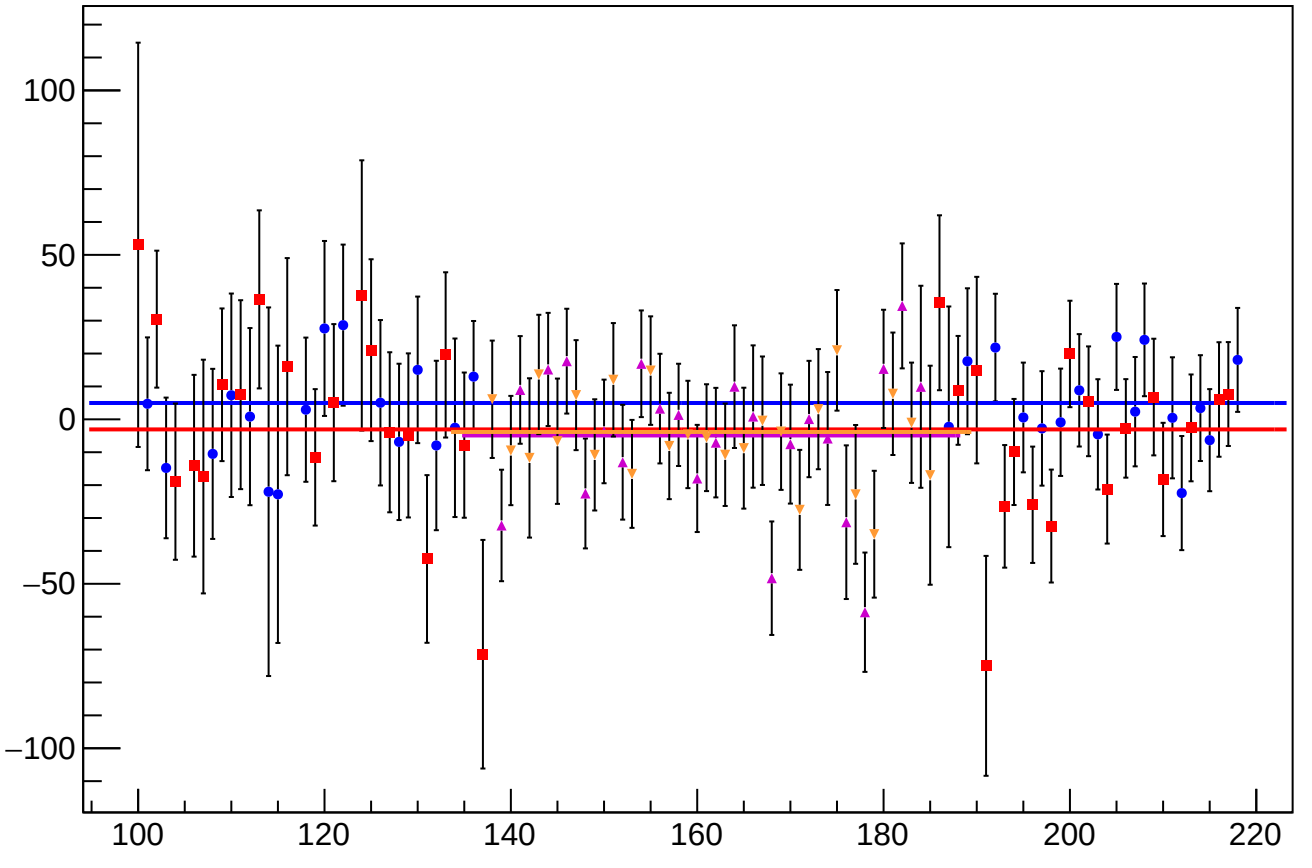
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 171.131+/-0.020 χ^2/NDF: 5448621.7/67

In: 174.855+/-0.021 χ^2/NDF:4072594.6/54

Out: 181.195+/-0.021 χ^2/NDF:5253729.7/60

All: 177.955+/-0.015 χ^2/NDF: 9371849.6/115



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: -3.063+/-3.519 χ^2/NDF: 35.6/35

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

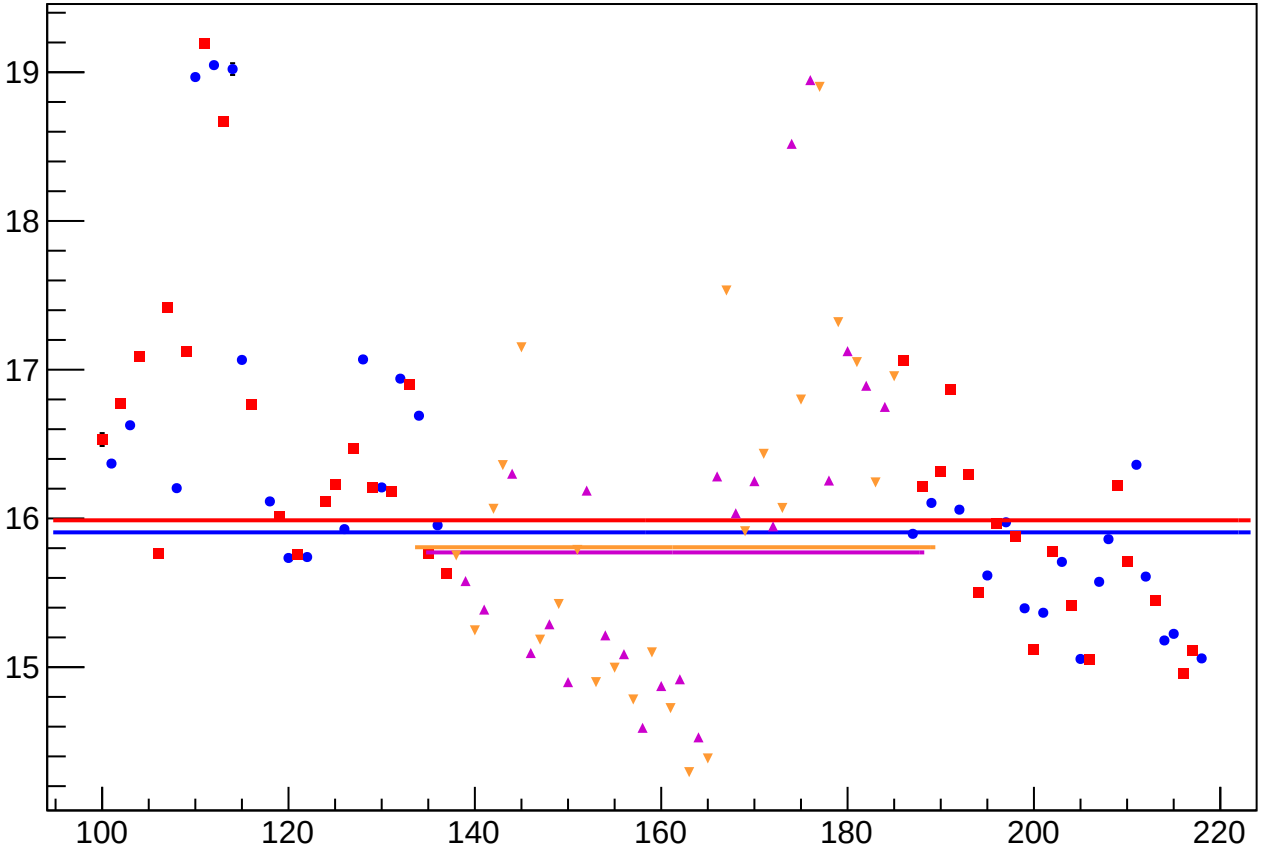
Right: 0.924+/-2.497 χ^2/NDF: 51.5/67

In: 0.239+/-2.558 χ^2/NDF:50.9/54

Out: -3.440+/-2.517 χ^2/NDF:48.5/60

All: -1.630+/-1.794 χ^2/NDF: 100.5/115

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: 15.987+/-0.002 χ^2/NDF: 105762.6/35

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

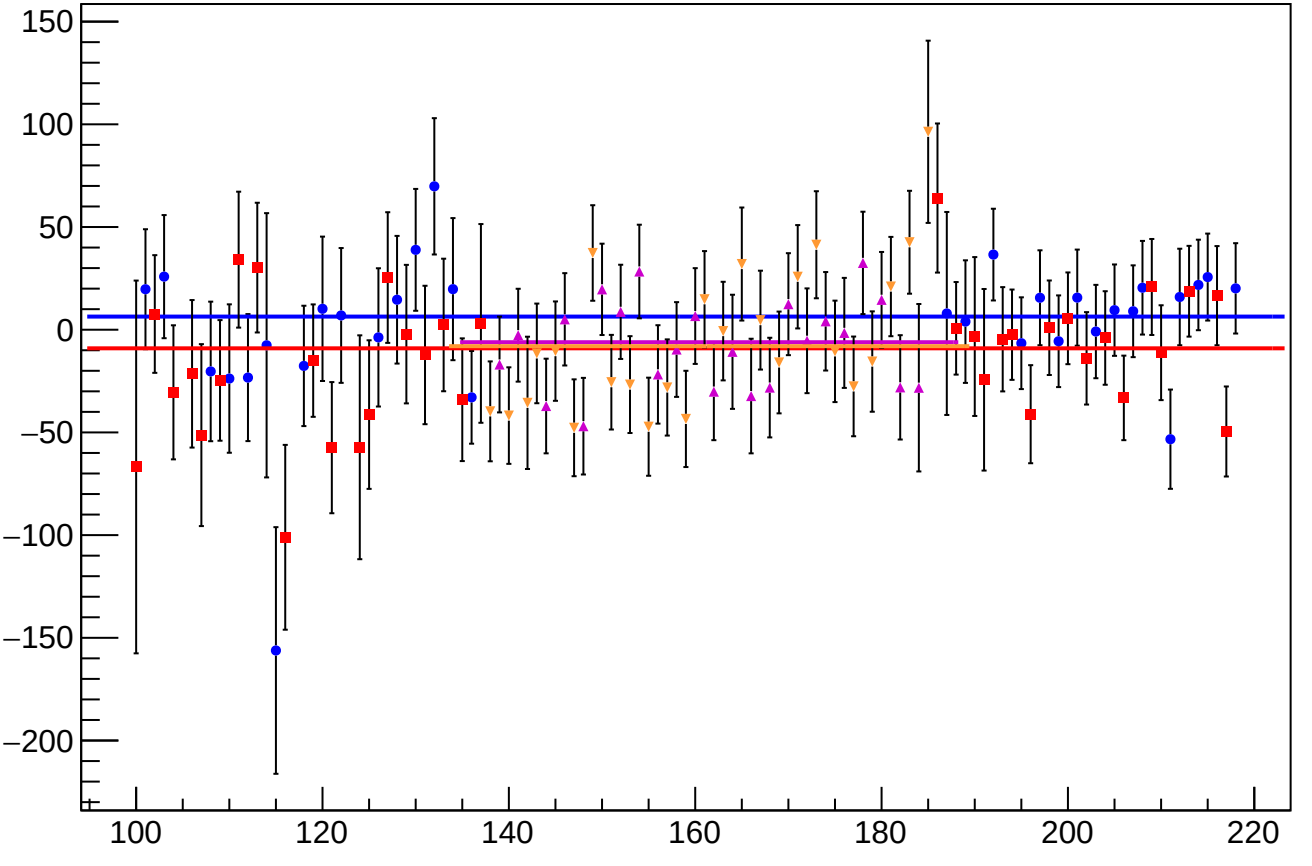
Right: 15.947+/-0.002 χ^2/NDF: 201706.3/67

In: 15.842+/-0.002 χ^2/NDF:248942.7/54

Out: 15.899+/-0.002 χ^2/NDF:280999.4/60

All: 15.871+/-0.001 χ^2/NDF: 530451.7/115

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: -9.058+/-4.724 χ^2/NDF: 32.1/35

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

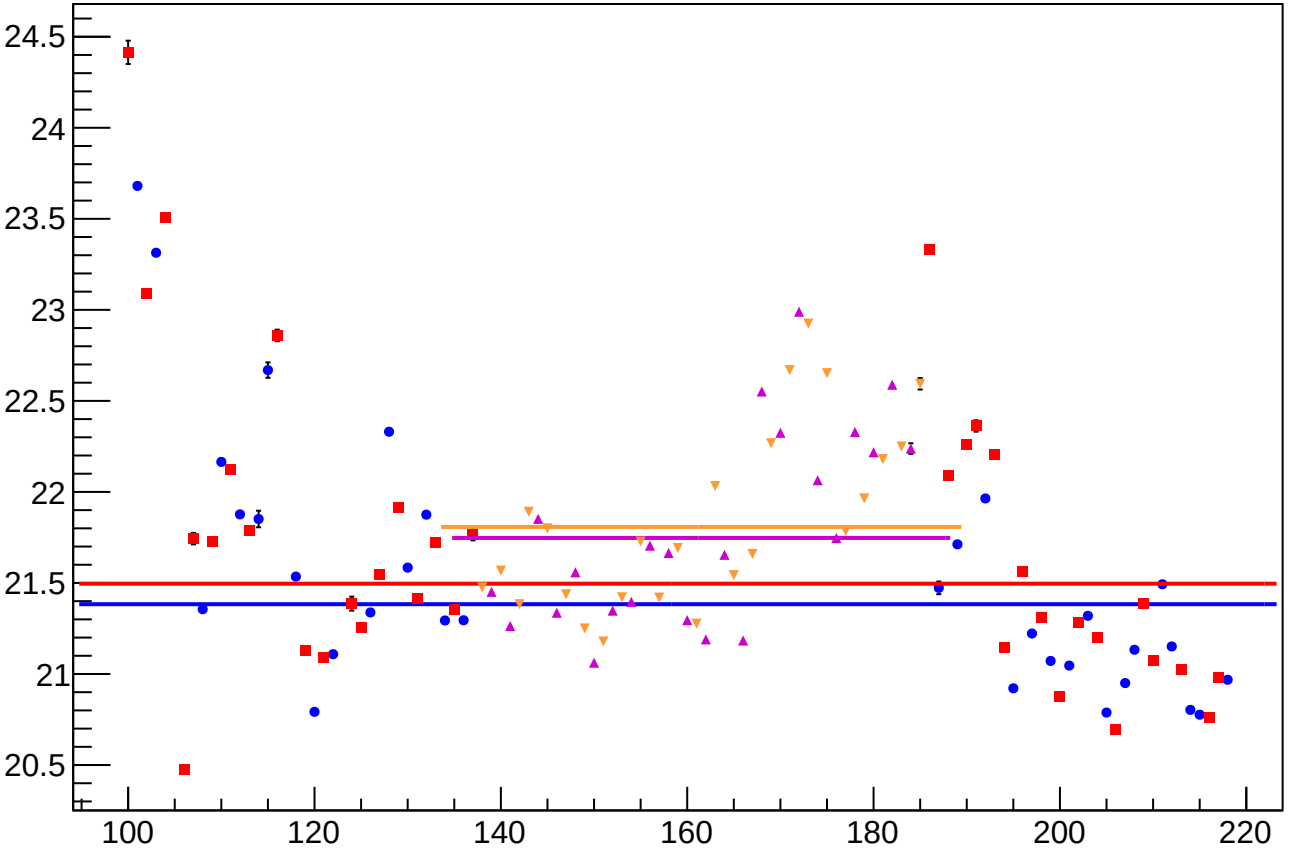
Right: -1.388+/-3.353 χ^2/NDF: 67.8/67

In: 0.562+/-3.473 χ^2/NDF:51.5/54

Out: -8.562+/-3.420 χ^2/NDF:71.0/60

All: -4.071+/-2.437 χ^2/NDF: 126.0/115

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: 21.496+/-0.003 χ^2/NDF: 41646.3/35

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

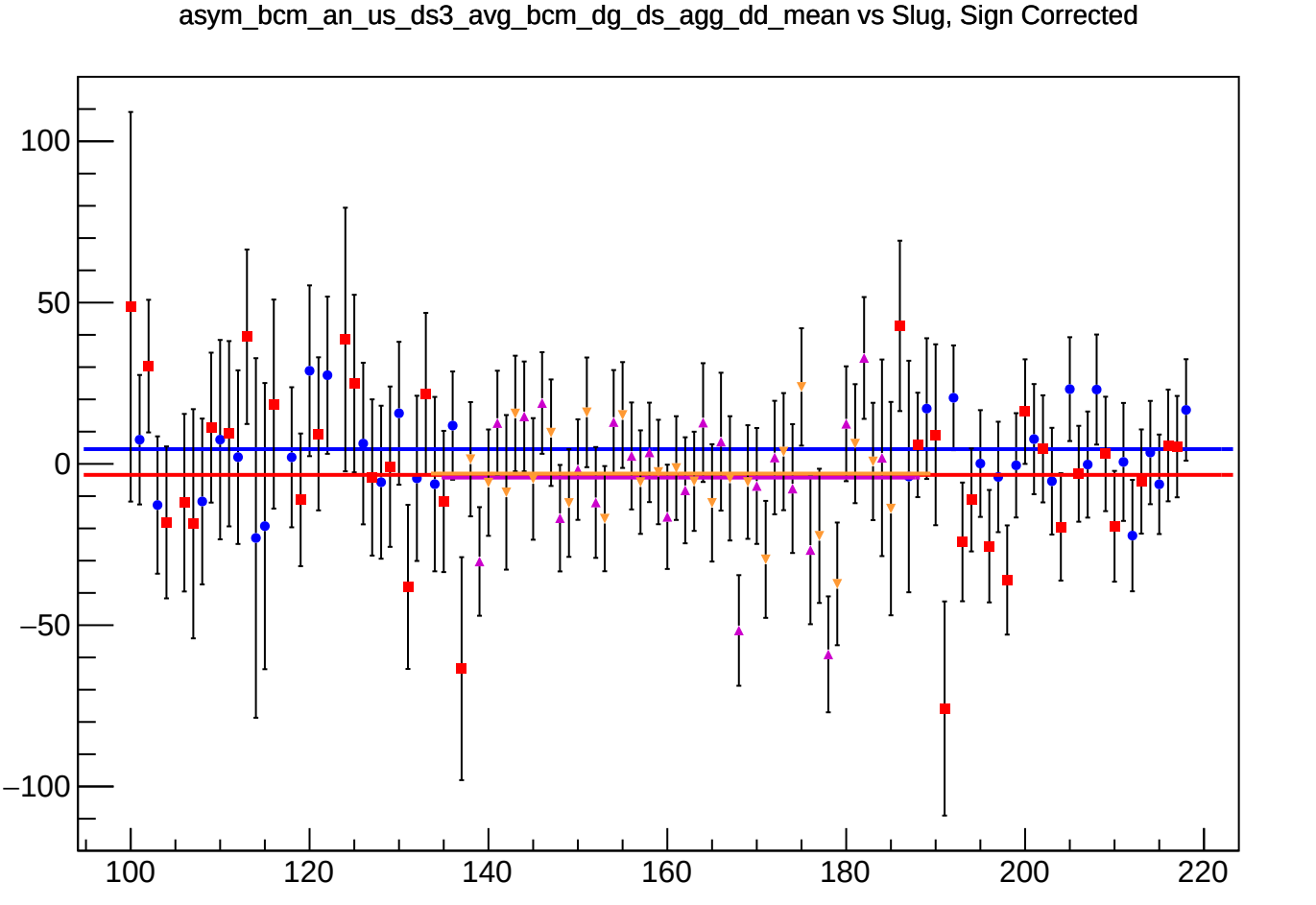
Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

Right: 21.440+/-0.002 χ^2/NDF: 78330.3/67

In: 21.553+/-0.002 χ^2/NDF:62148.7/54

Out: 21.644+/-0.002 χ^2/NDF:63354.5/60

All: 21.600+/-0.002 χ^2/NDF: 126199.5/115



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: -3.406+/-3.496 χ^2/NDF: 35.7/35

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

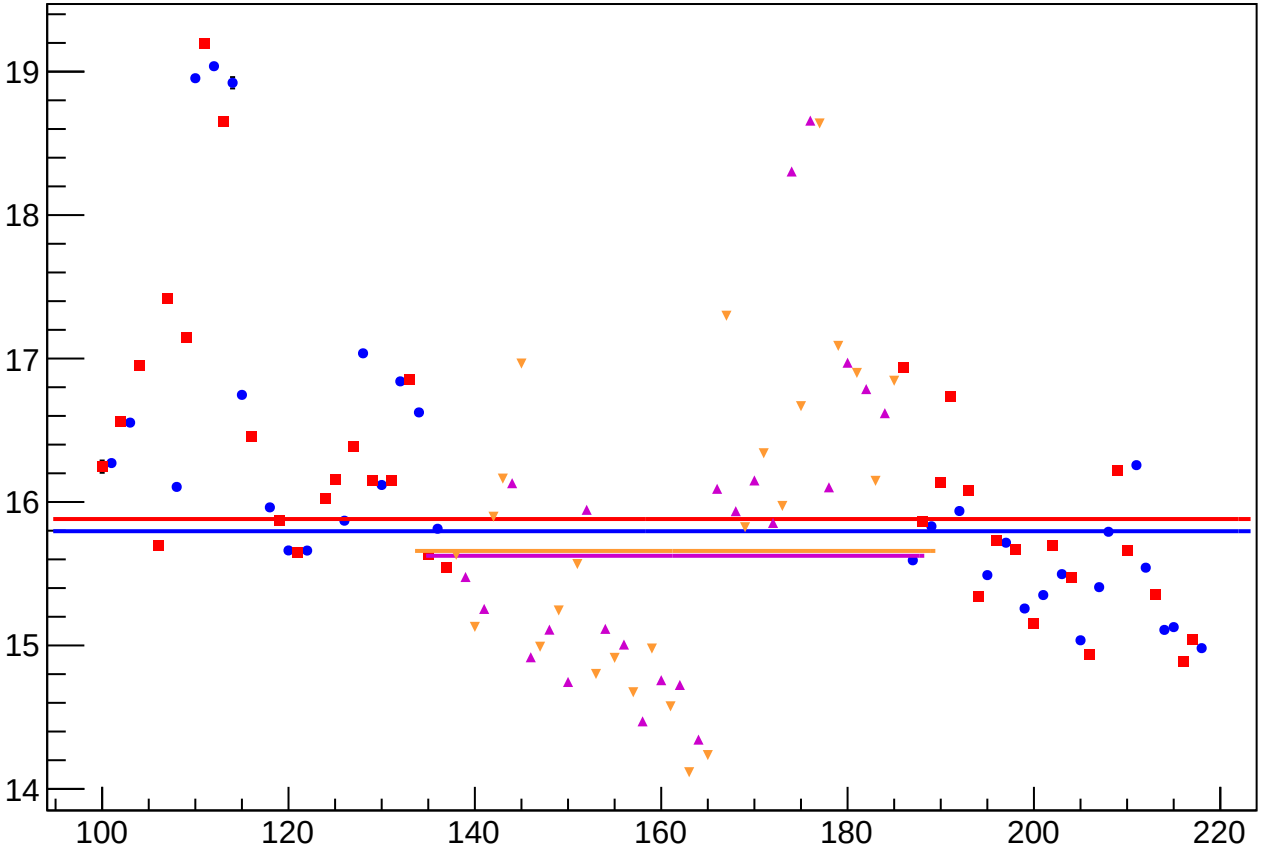
Right: 0.557+/-2.480 χ^2/NDF: 50.9/67

In: 0.336+/-2.537 χ^2/NDF:49.5/54

Out: -3.208+/-2.497 χ^2/NDF:50.3/60

All: -1.464+/-1.780 χ^2/NDF: 100.8/115

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: 15.881+/-0.002 χ^2/NDF: 106346.3/35

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

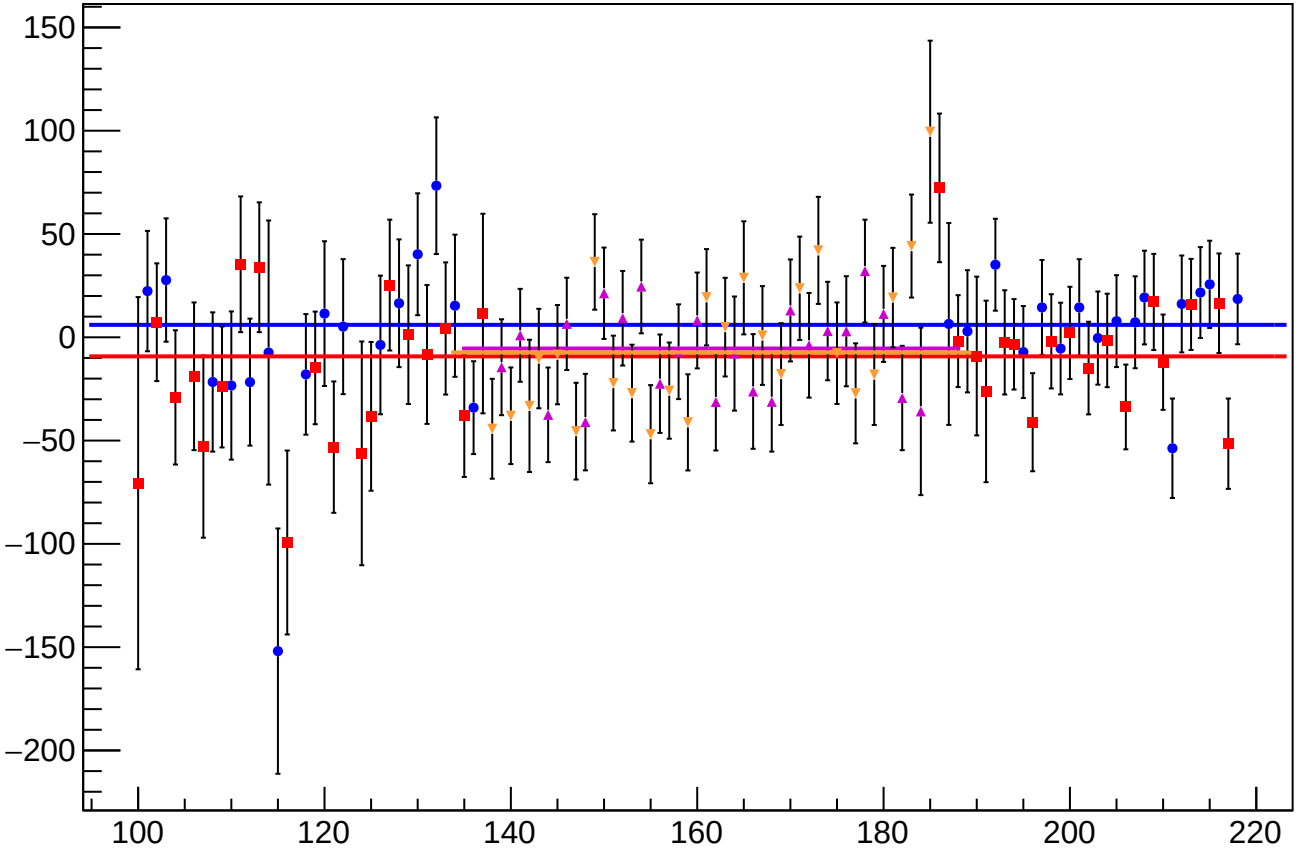
Right: 15.839+/-0.002 χ^2/NDF: 204605.3/67

In: 15.714+/-0.002 χ^2/NDF:250382.9/54

Out: 15.772+/-0.002 χ^2/NDF:280146.9/60

All: 15.744+/-0.001 χ^2/NDF: 531066.9/115

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: -9.236+/-4.702 χ^2/NDF: 33.0/35

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

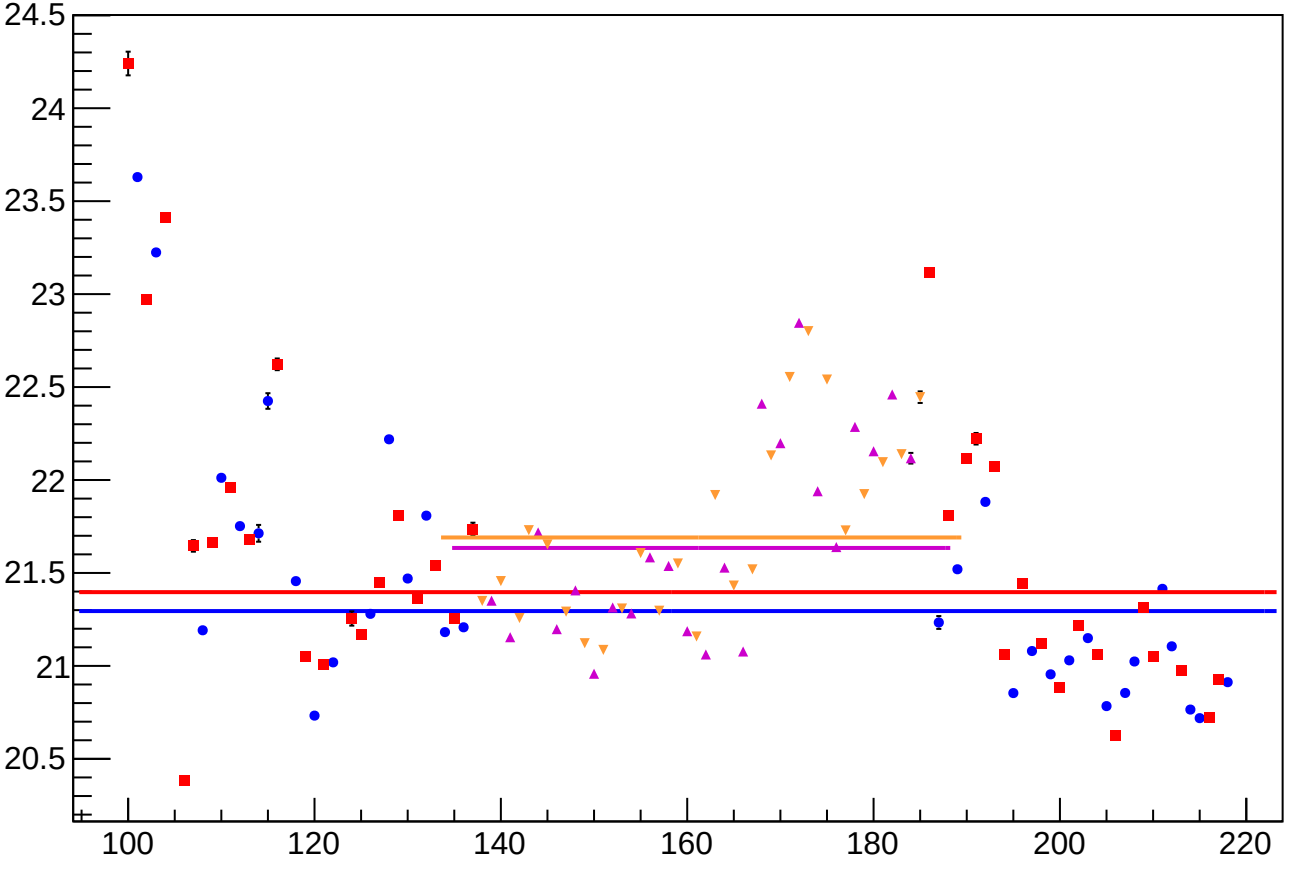
Right: -1.664+/-3.338 χ^2/NDF: 69.1/67

In: 0.663+/-3.457 χ^2/NDF:50.8/54

Out: -8.322+/-3.402 χ^2/NDF:71.7/60

All: -3.901+/-2.425 χ^2/NDF: 126.0/115

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: 21.397+/-0.003 χ^2/NDF: 38088.6/35

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

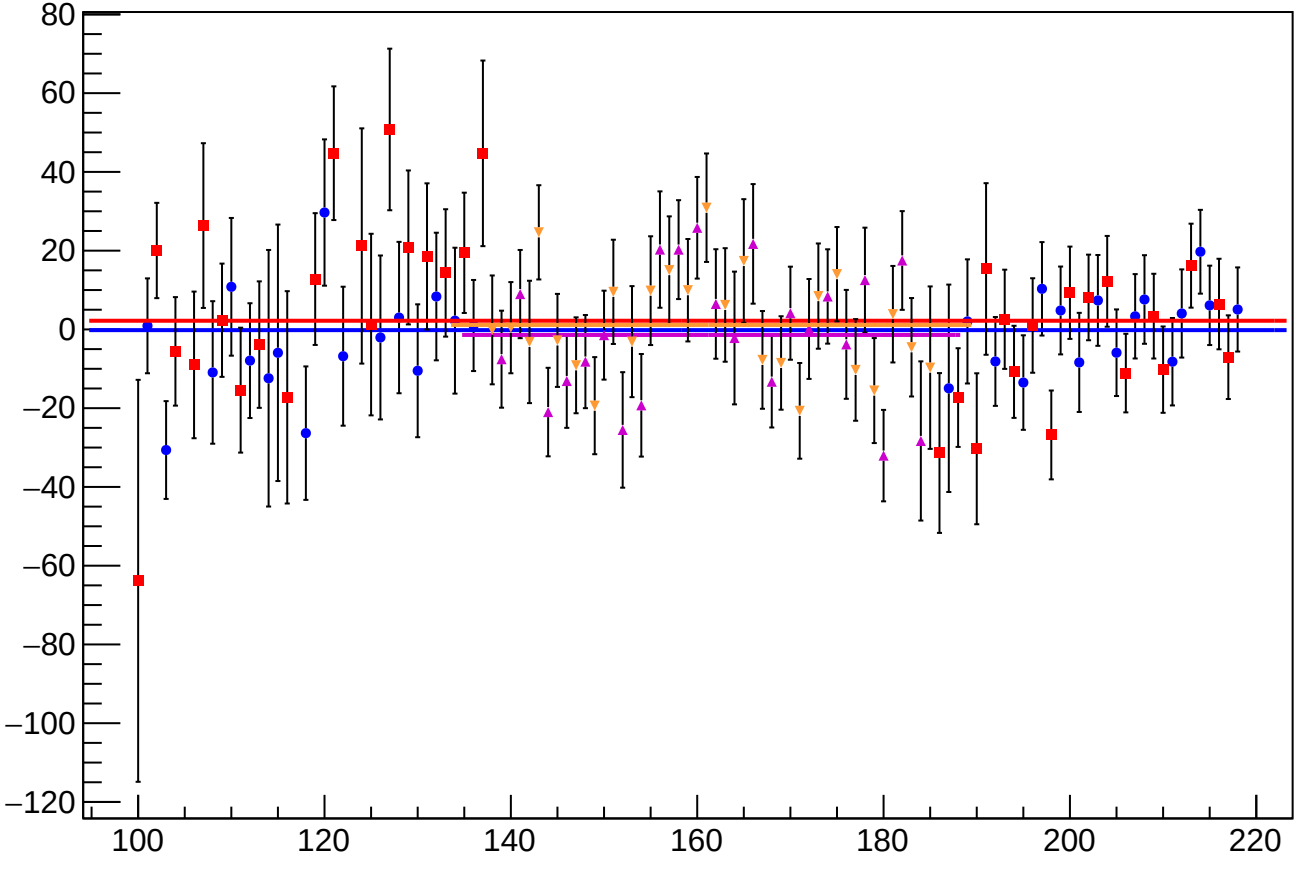
Right: 21.346+/-0.002 χ^2/NDF: 73766.9/67

In: 21.454+/-0.002 χ^2/NDF:60578.9/54

Out: 21.537+/-0.002 χ^2/NDF:59750.3/60

All: 21.496+/-0.002 χ^2/NDF: 120915.9/115

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: 2.204+/-2.376 χ^2/NDF: 50.6/35

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

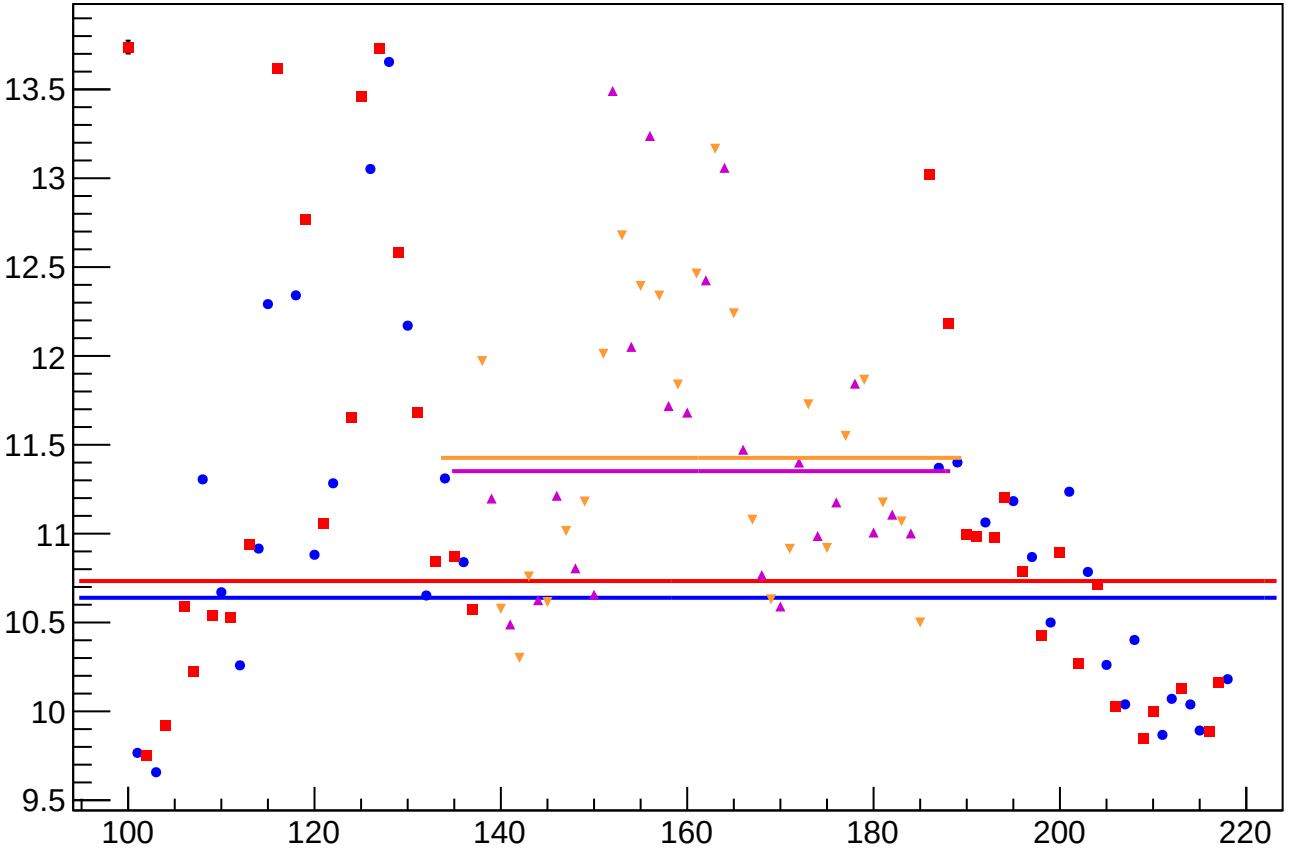
Right: 1.014+/-1.682 χ^2/NDF: 73.7/67

In: -0.724+/-1.779 χ^2/NDF:59.0/54

Out: 1.723+/-1.760 χ^2/NDF:75.2/60

All: 0.512+/-1.251 χ^2/NDF: 135.2/115

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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: 10.733+/-0.002 χ^2/NDF: 296811.6/35

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

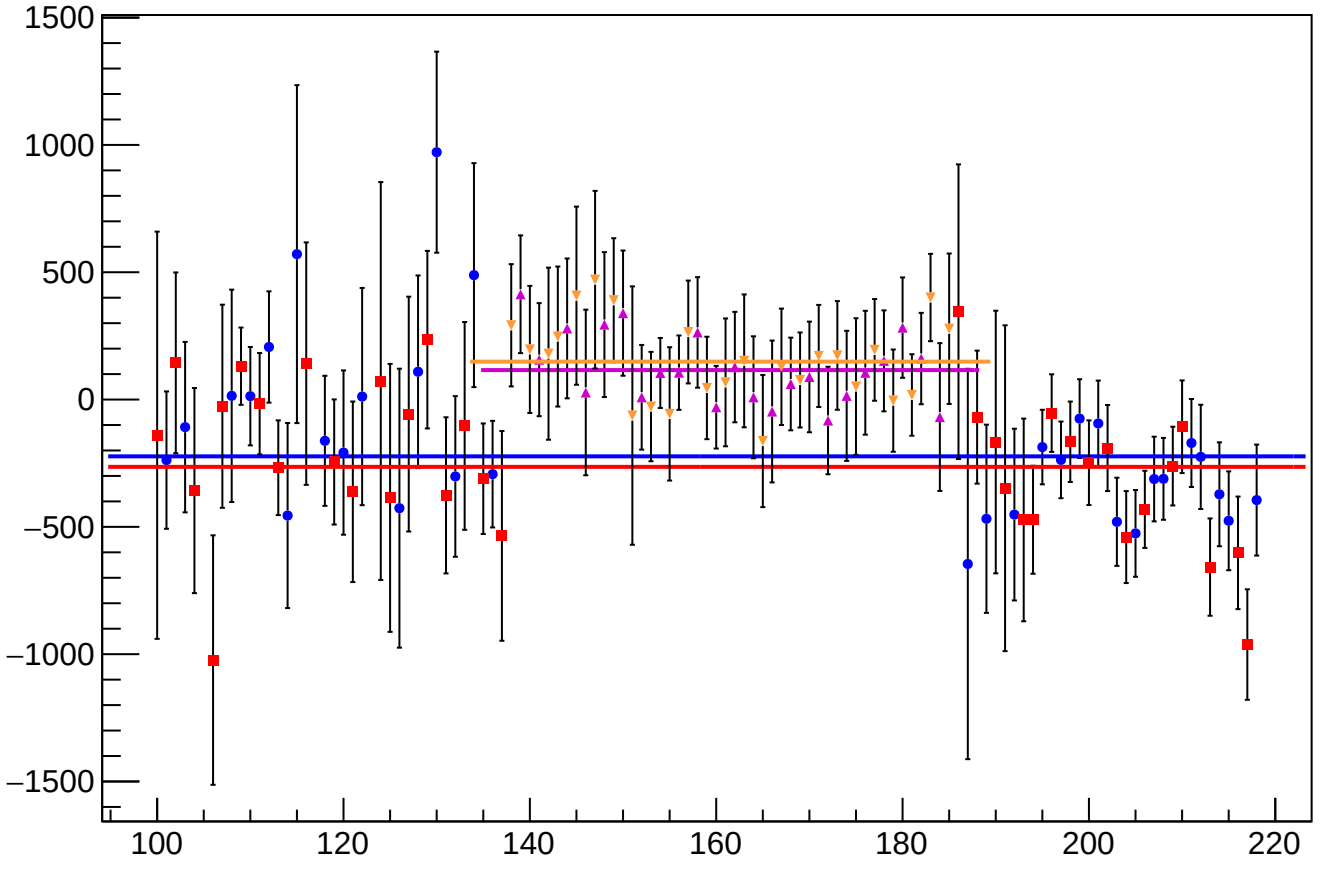
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 10.686+/-0.001 χ^2/NDF: 514099.7/67

In: 10.954+/-0.001 χ^2/NDF:465476.4/54

Out: 11.046+/-0.001 χ^2/NDF:530589.7/60

All: 11.001+/-0.001 χ^2/NDF: 998756.0/115



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: -264.321+/-39.629 χ^2/NDF: 43.3/35

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

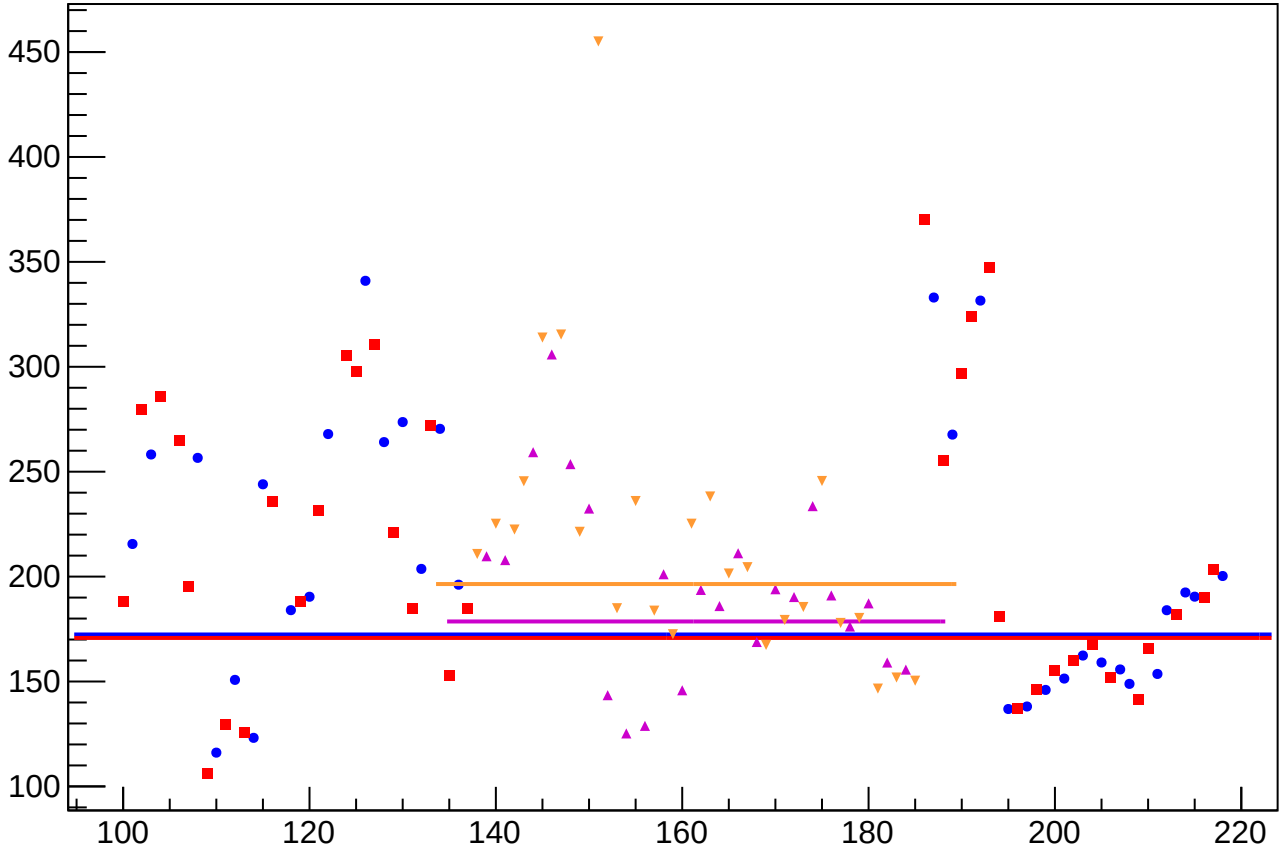
Right: -243.824+/-28.112 χ^2/NDF: 76.3/67

In: -68.879+/-29.441 χ^2/NDF:73.2/54

Out: -89.624+/-30.109 χ^2/NDF:99.7/60

All: -79.019+/-21.050 χ^2/NDF: 173.1/115

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: 170.764+/-0.028 χ^2/NDF: 3072484.6/35

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

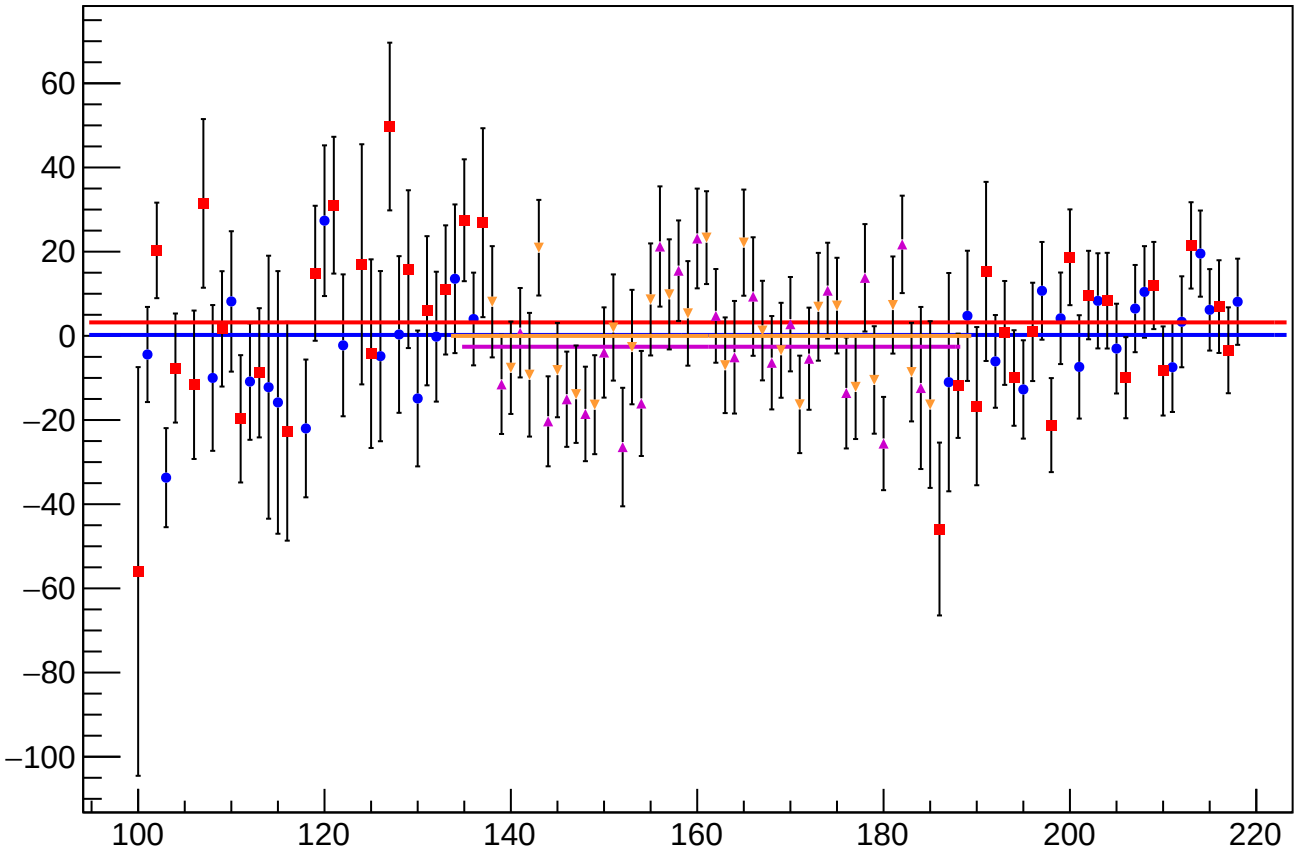
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 171.580+/-0.020 χ^2/NDF: 5440296.9/67

In: 175.232+/-0.021 χ^2/NDF:4067011.2/54

Out: 181.625+/-0.021 χ^2/NDF:5246567.6/60

All: 178.357+/-0.015 χ^2/NDF: 9359676.3/115



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: 3.194+/-2.293 χ^2/NDF: 49.7/35

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

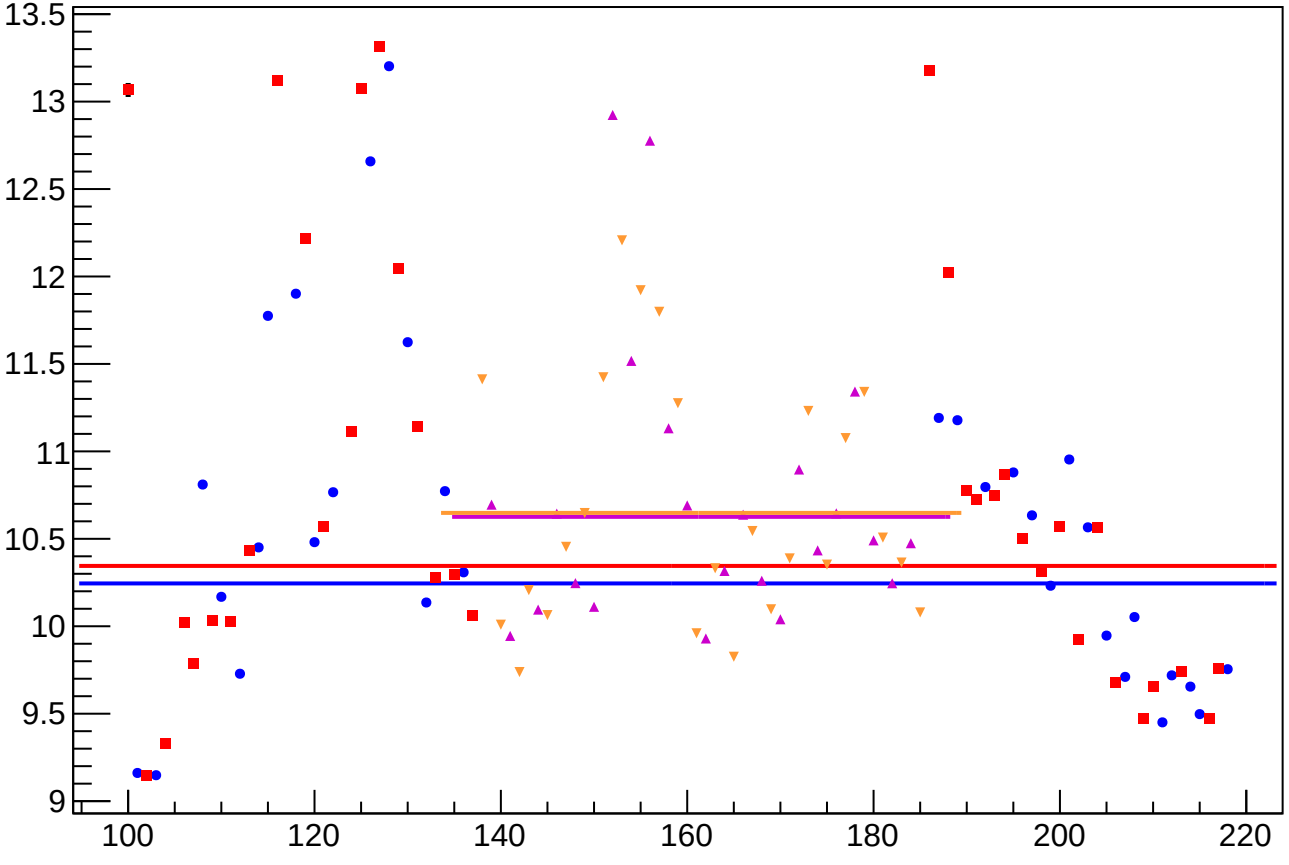
Right: 1.706+/-1.622 χ^2/NDF: 76.6/67

In: -1.066+/-1.693 χ^2/NDF:61.5/54

Out: 1.691+/-1.672 χ^2/NDF:74.4/60

All: 0.329+/-1.190 χ^2/NDF: 137.3/115

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: 10.345+/-0.002 χ^2/NDF: 338487.8/35

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

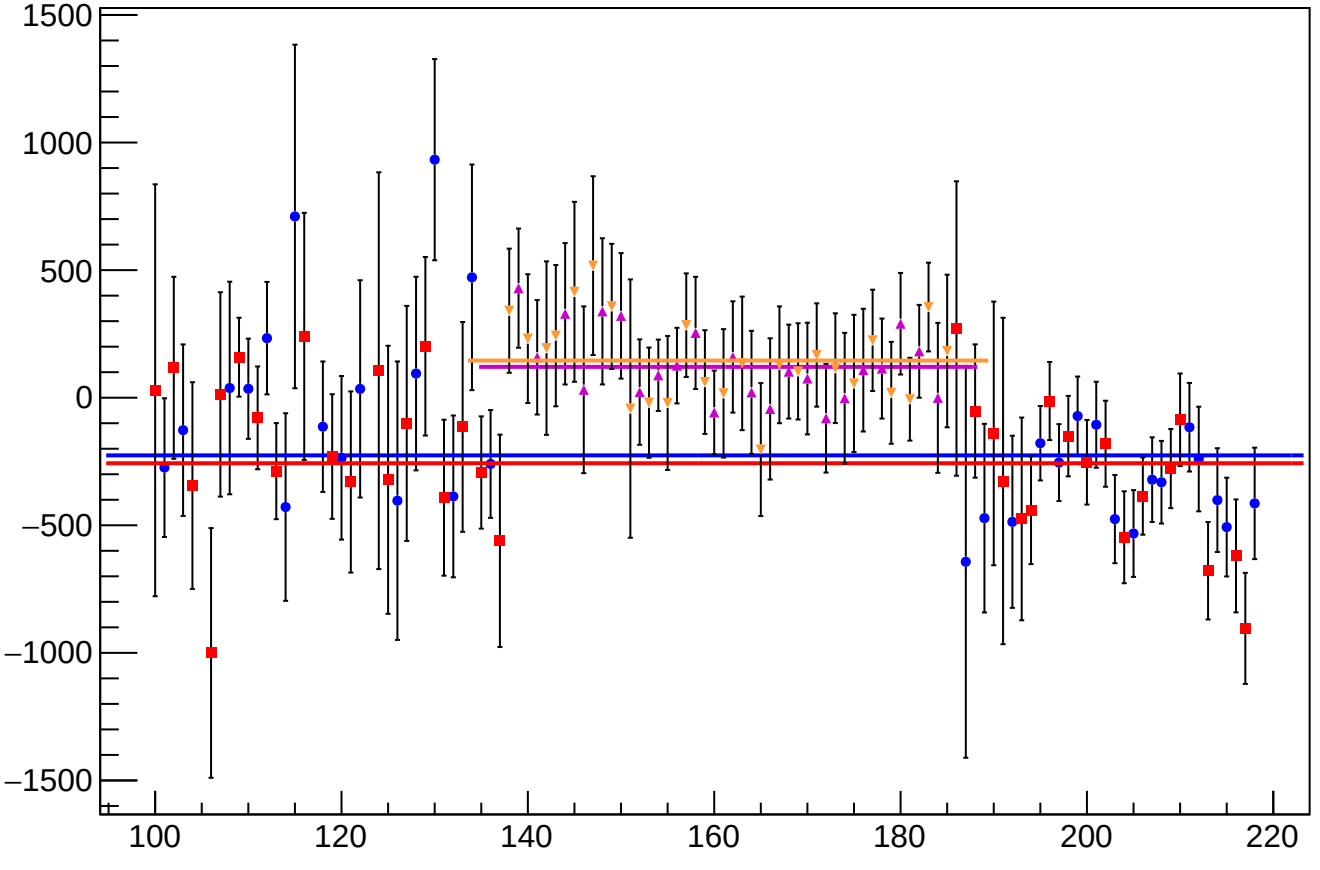
Right: 10.295+/-0.001 χ^2/NDF: 582255.4/67

In: 10.419+/-0.001 χ^2/NDF:426514.6/54

Out: 10.487+/-0.001 χ^2/NDF:498393.6/60

All: 10.453+/-0.001 χ^2/NDF: 926555.7/115

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -226.024+/-39.956 χ^2/NDF: 34.7/31

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -256.854+/-39.739 χ^2/NDF: 42.5/35

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

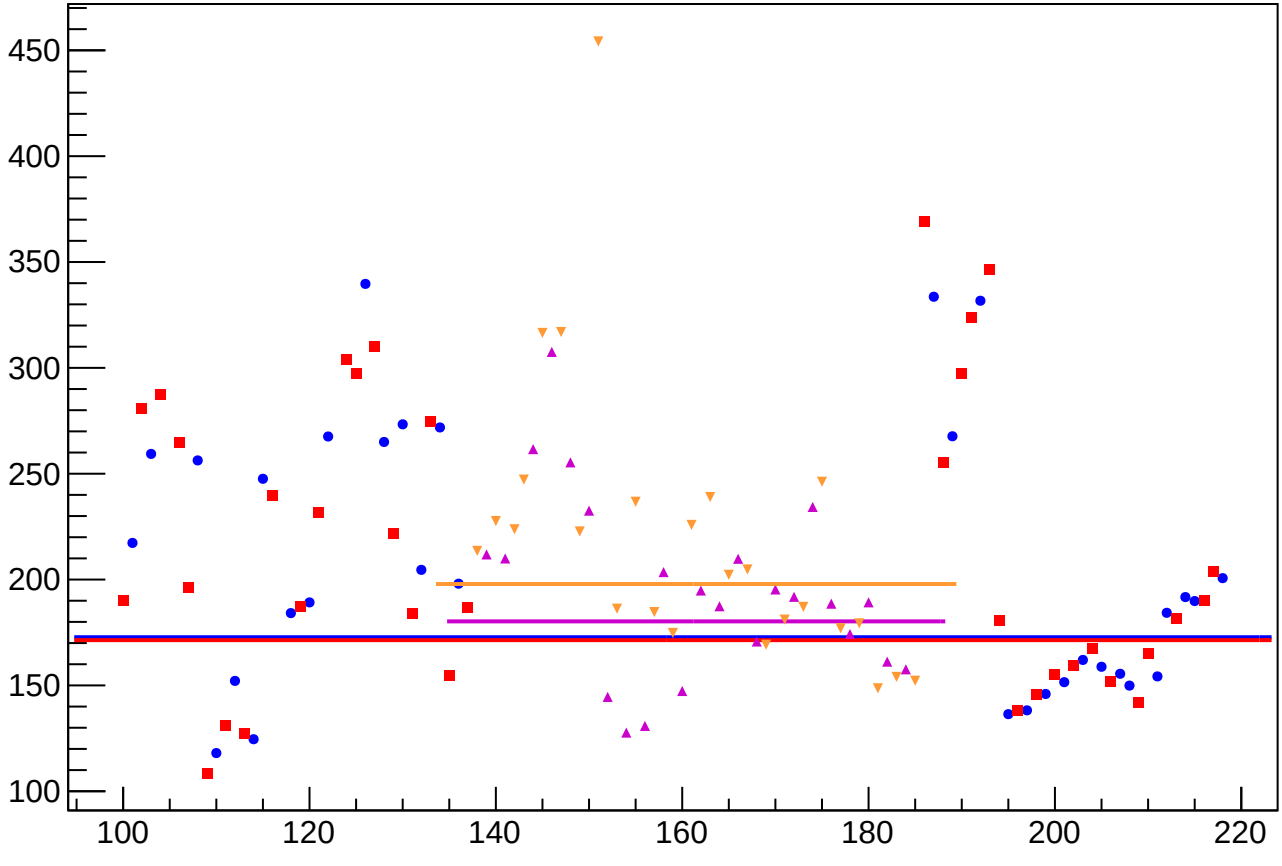
Right: -241.523+/-28.176 χ^2/NDF: 77.5/67

In: -69.216+/-29.578 χ^2/NDF:77.0/54

Out: -87.488+/-30.241 χ^2/NDF:95.9/60

All: -78.150+/-21.145 χ^2/NDF: 173.2/115

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: 171.381+/-0.028 χ^2/NDF: 3019314.1/35

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

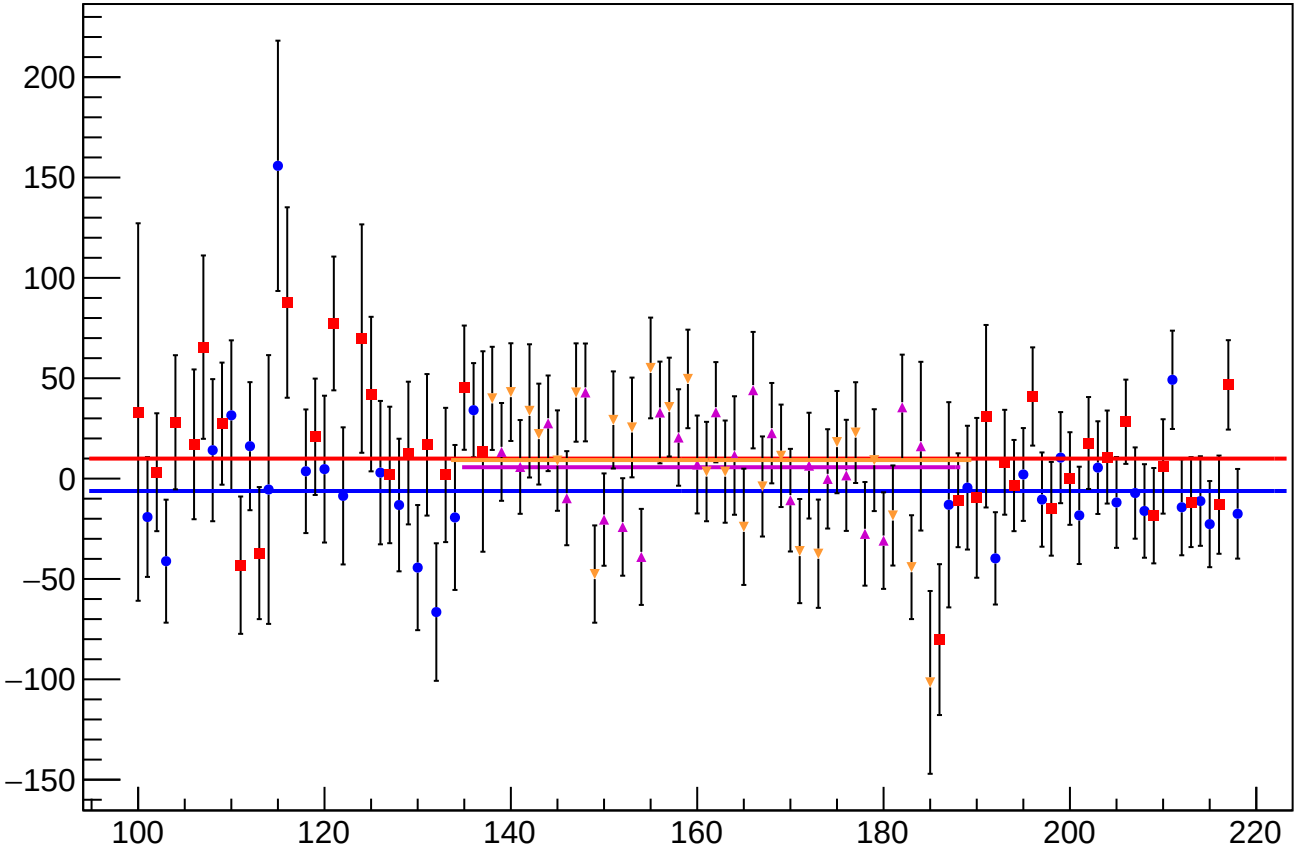
Right: 172.064+/-0.020 χ^2/NDF: 5374801.5/67

In: 176.142+/-0.021 χ^2/NDF:4013867.9/54

Out: 182.539+/-0.021 χ^2/NDF:5182755.3/60

All: 179.269+/-0.015 χ^2/NDF: 9242359.5/115

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: 9.968+/-4.864 χ^2/NDF: 34.1/35

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

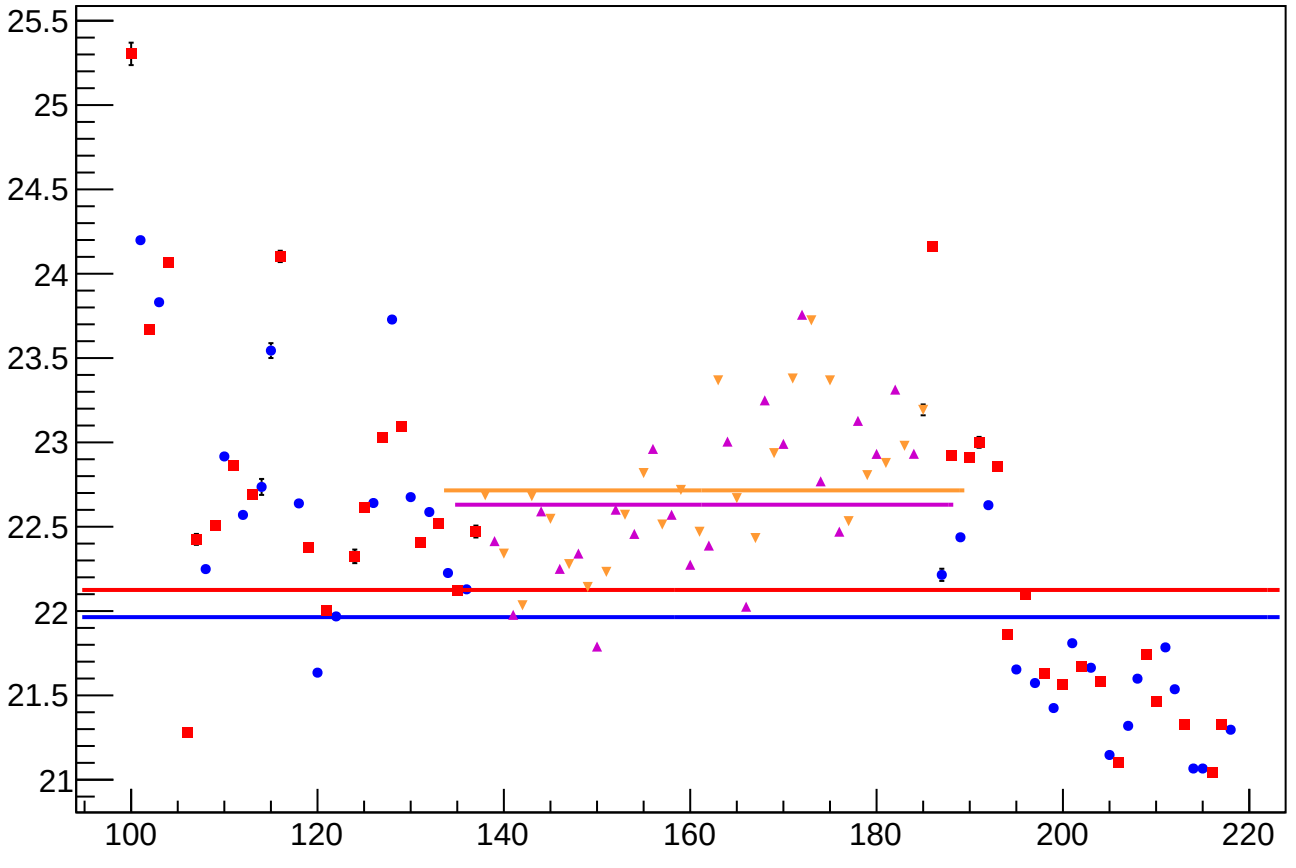
Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

Right: 1.935+/-3.448 χ^2/NDF: 67.3/67

In: -0.719+/-3.589 χ^2/NDF:51.3/54

Out: 9.623+/-3.540 χ^2/NDF:73.5/60

All: 4.523+/-2.520 χ^2/NDF: 129.0/115



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: 22.125+/-0.003 χ^2/NDF: 56347.5/35

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

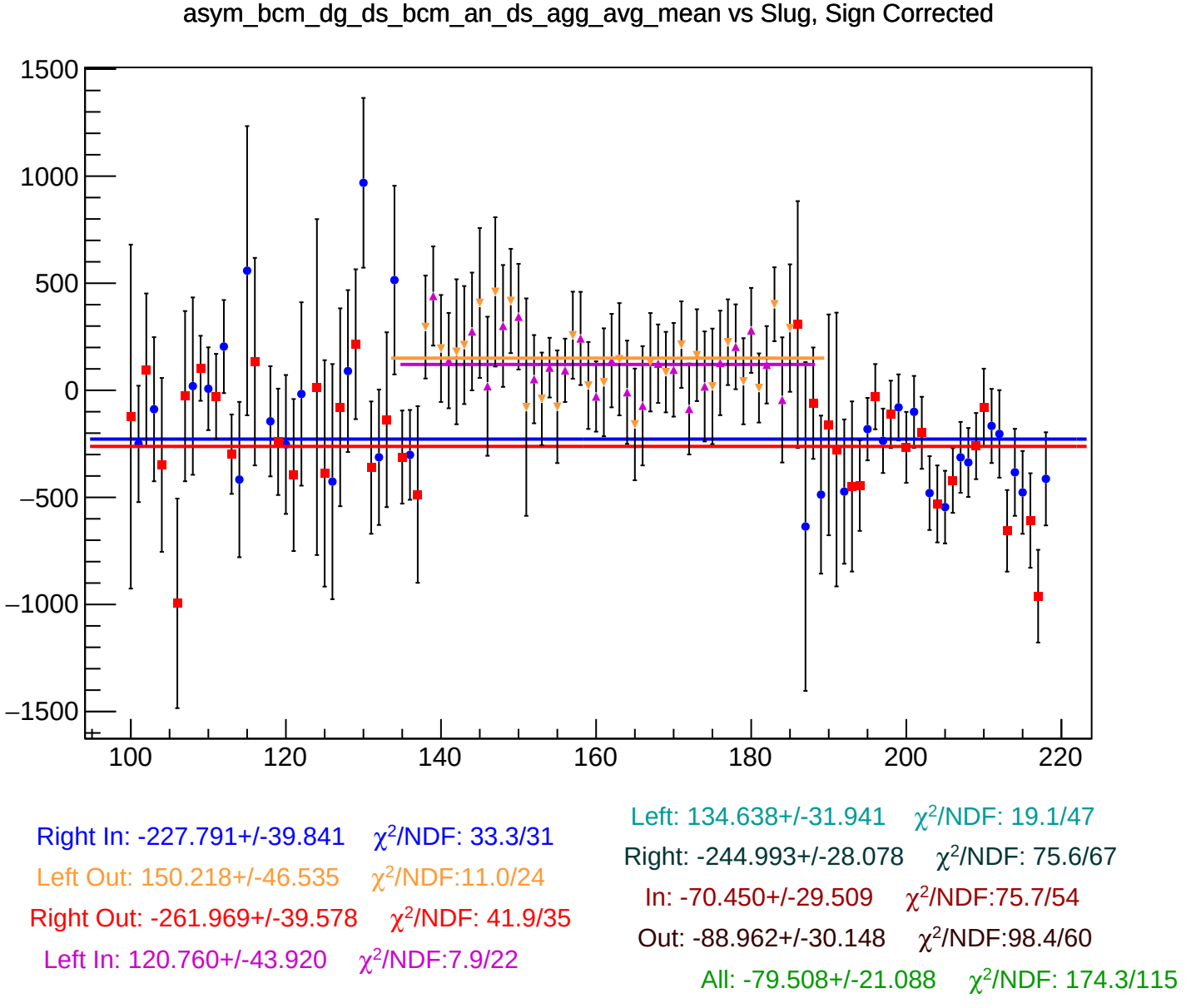
Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

Right: 22.045+/-0.002 χ^2/NDF: 107858.8/67

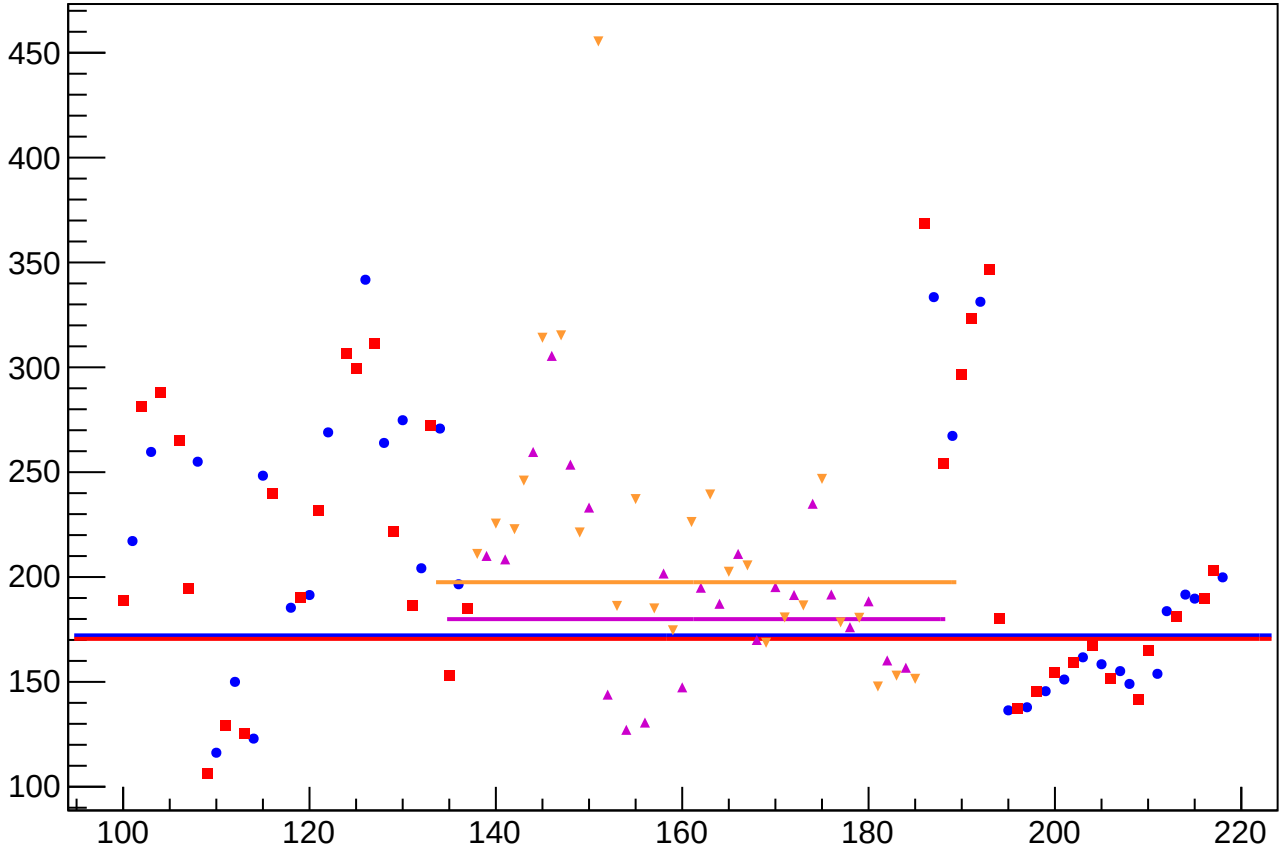
In: 22.271+/-0.003 χ^2/NDF:82949.7/54

Out: 22.403+/-0.003 χ^2/NDF:82383.5/60

All: 22.338+/-0.002 χ^2/NDF: 166693.3/115


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -227.791+/-39.841 χ²/NDF: 33.3/31
Left Out: 150.218+/-46.535 χ²/NDF:11.0/24
Right Out: -261.969+/-39.578 χ²/NDF: 41.9/35
Left In: 120.760+/-43.920 χ²/NDF:7.9/22
Left: 134.638+/-31.941 χ²/NDF: 19.1/47
Right: -244.993+/-28.078 χ²/NDF: 75.6/67
In: -70.450+/-29.509 χ²/NDF:75.7/54
Out: -88.962+/-30.148 χ²/NDF:98.4/60
All: -79.508+/-21.088 χ²/NDF: 174.3/115

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: 170.516+/-0.028 χ^2/NDF: 3091700.9/35

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

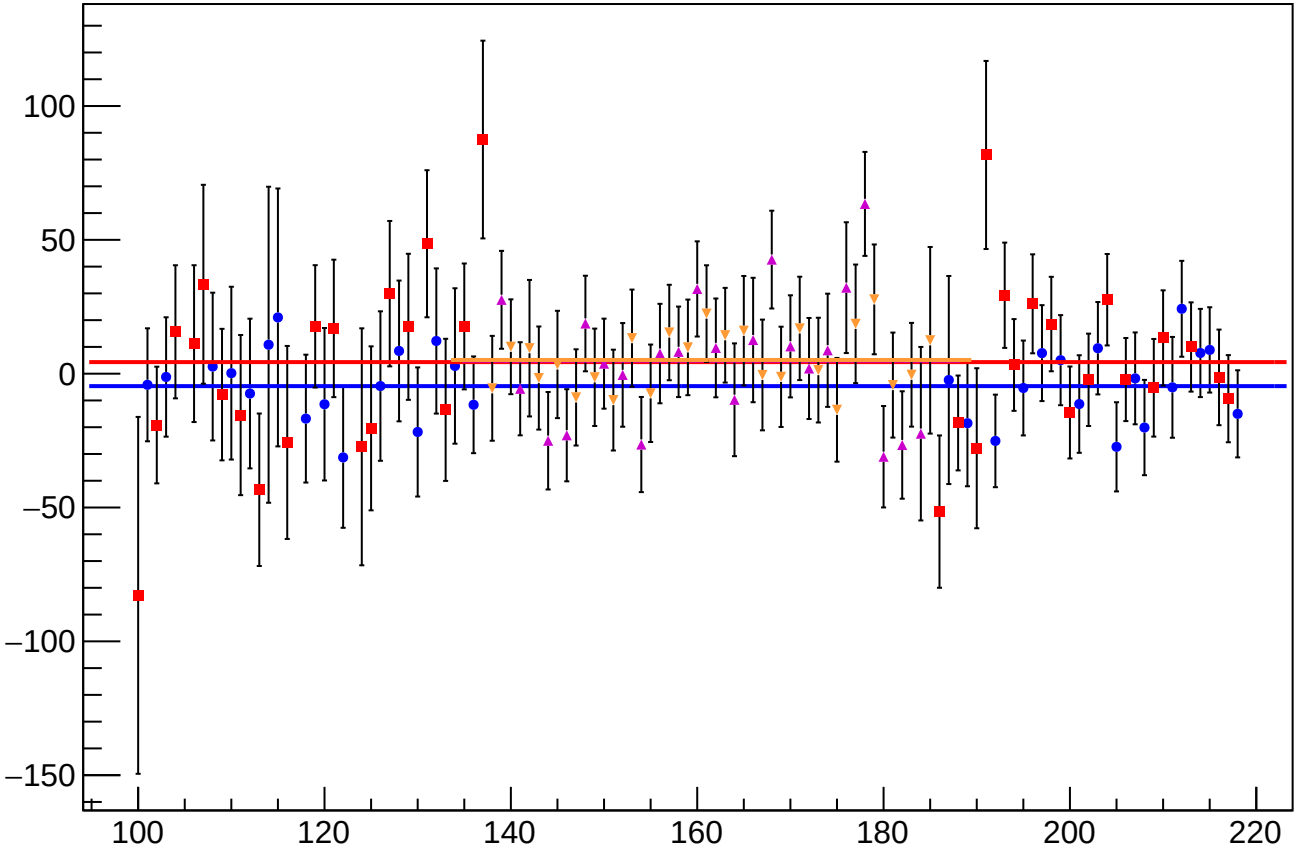
Right: 171.341+/-0.020 χ^2/NDF: 5480069.7/67

In: 175.673+/-0.021 χ^2/NDF:4044901.7/54

Out: 181.856+/-0.021 χ^2/NDF:5272809.7/60

All: 178.699+/-0.015 χ^2/NDF: 9360669.1/115

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: 4.325+/-3.699 χ^2/NDF: 39.2/35

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

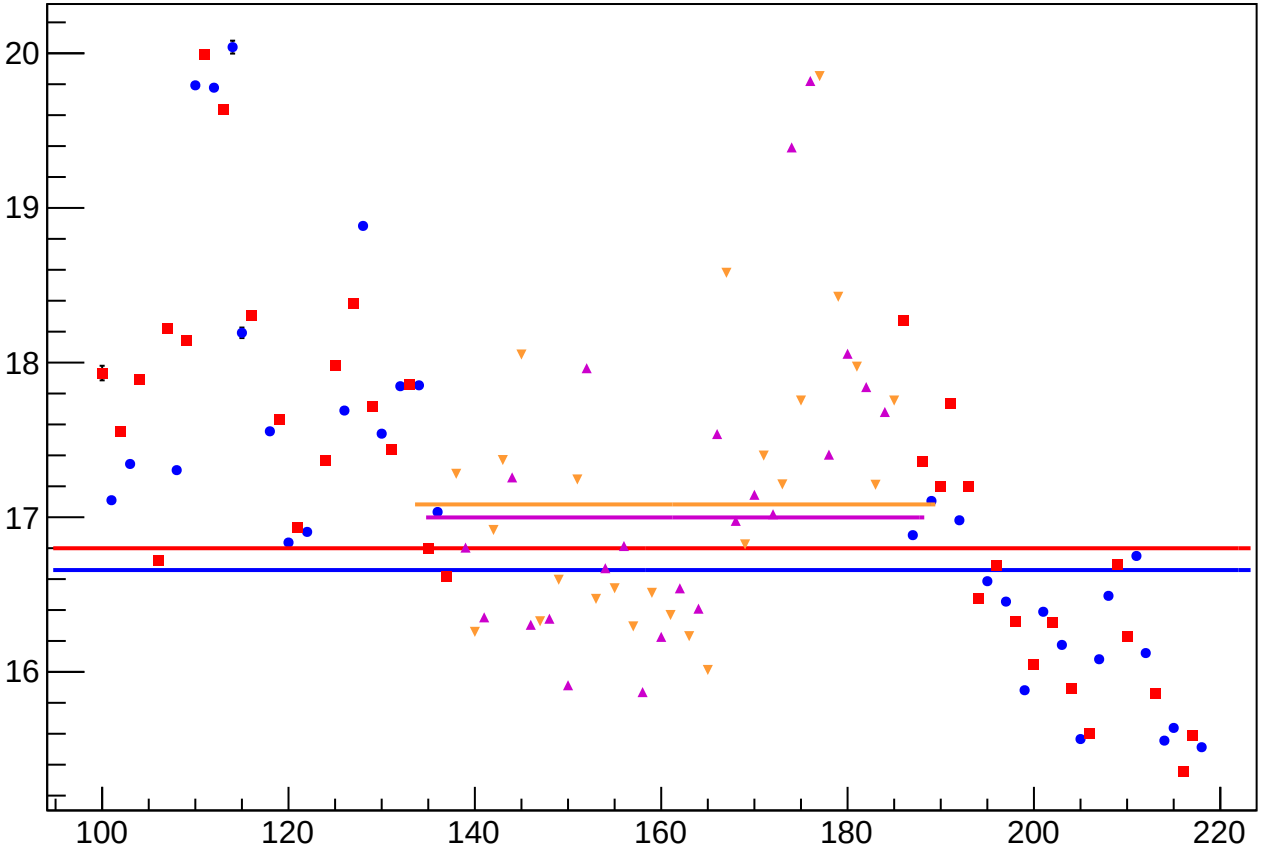
Right: -0.145+/-2.621 χ^2/NDF: 55.6/67

In: -0.225+/-2.715 χ^2/NDF:52.0/54

Out: 4.702+/-2.681 χ^2/NDF:47.2/60

All: 2.270+/-1.908 χ^2/NDF: 100.9/115

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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: 16.799+/-0.003 χ^2/NDF: 148883.3/35

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

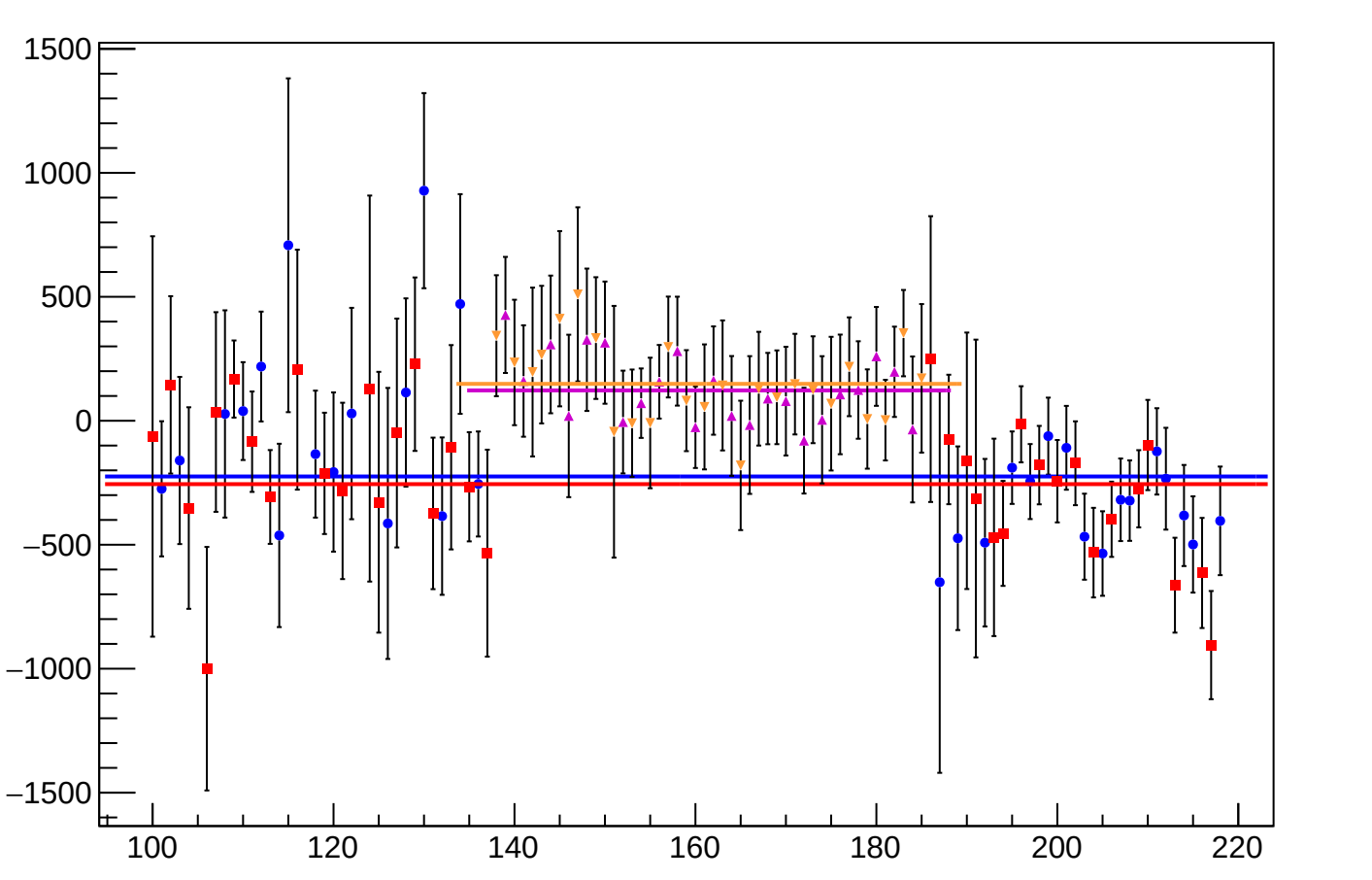
Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

Right: 16.729+/-0.002 χ^2/NDF: 285459.2/67

In: 16.817+/-0.002 χ^2/NDF:246963.1/54

Out: 16.934+/-0.002 χ^2/NDF:251233.4/60

All: 16.876+/-0.001 χ^2/NDF: 500084.6/115



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: -255.640+/-39.857 χ^2/NDF: 41.8/35

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

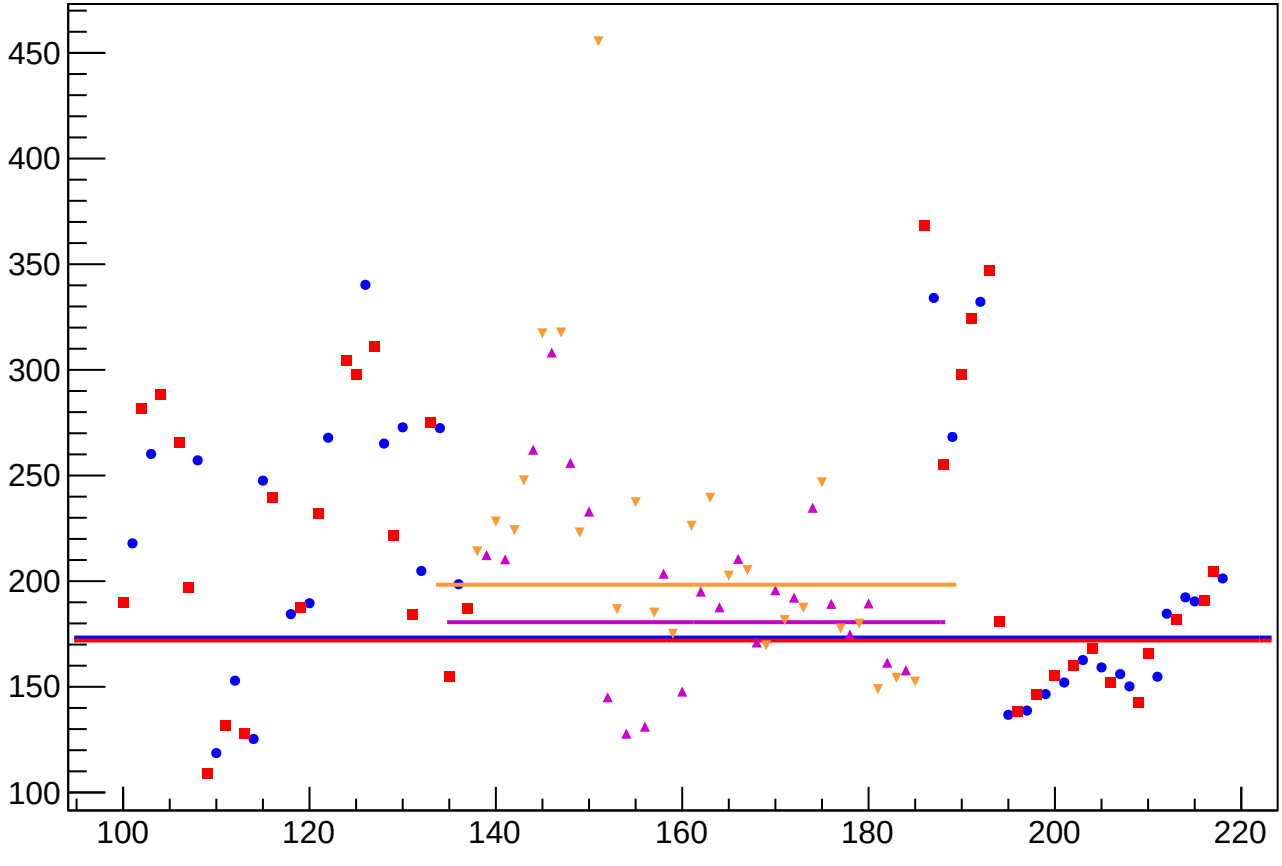
Right: -240.255+/-28.261 χ^2/NDF: 76.0/67

In: -67.639+/-29.653 χ^2/NDF:75.7/54

Out: -85.271+/-30.321 χ^2/NDF:94.8/60

All: -76.258+/-21.200 χ^2/NDF: 170.6/115

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: 171.934+/-0.028 χ^2/NDF: 3001065.9/35

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

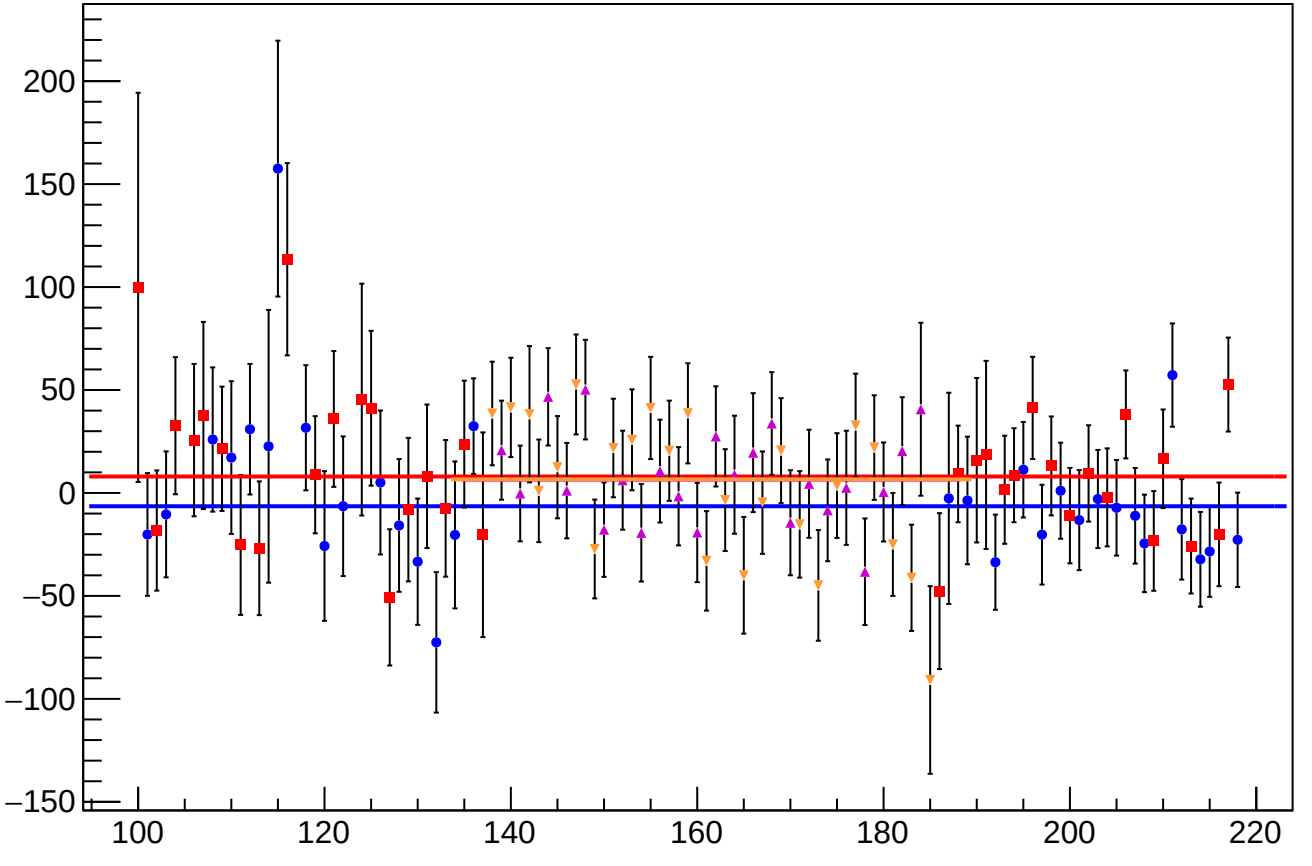
Right: 172.616+/-0.020 χ^2/NDF: 5343717.0/67

In: 176.607+/-0.021 χ^2/NDF:3999543.9/54

Out: 183.047+/-0.021 χ^2/NDF:5160435.9/60

All: 179.755+/-0.015 χ^2/NDF: 9206099.4/115

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: 7.993+/-4.896 χ^2/NDF: 32.5/35

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

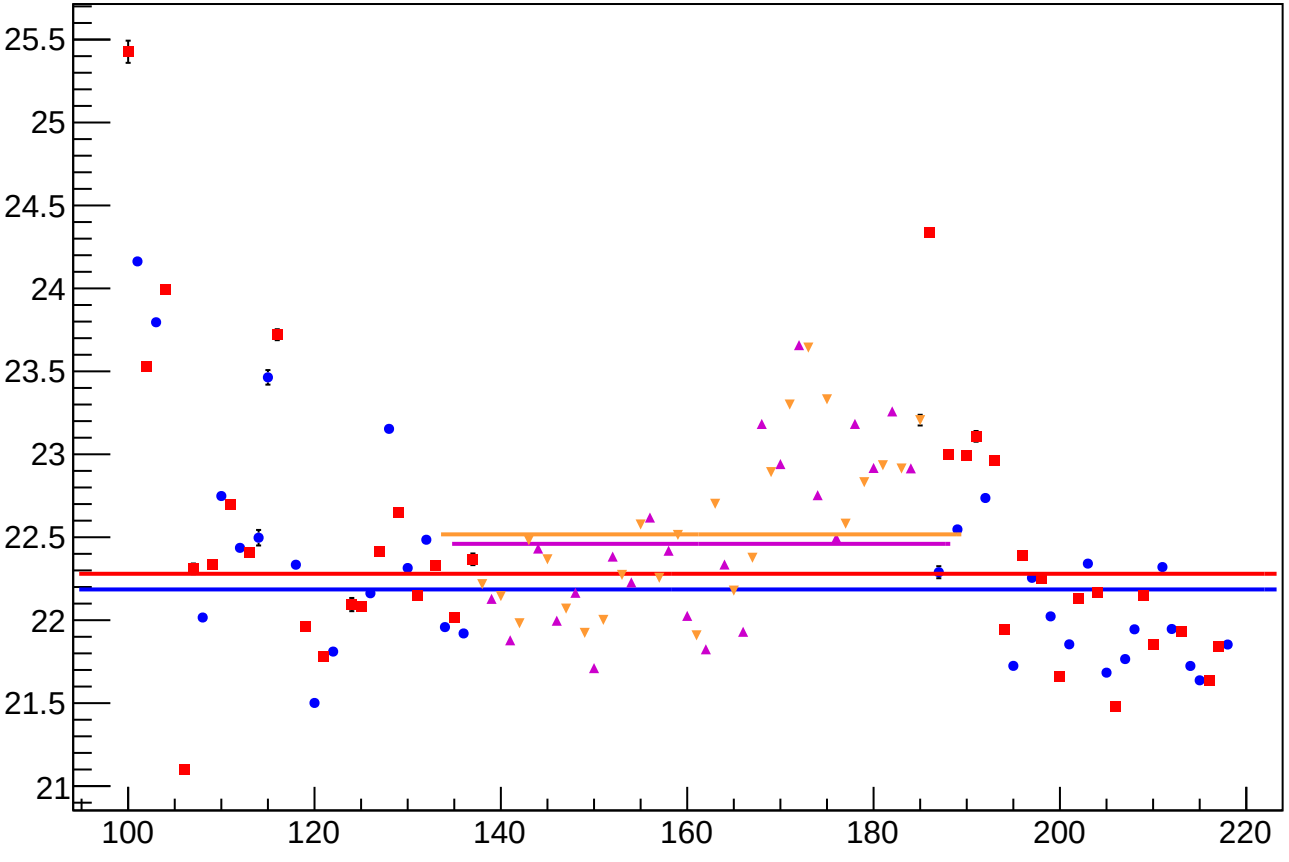
Right: 0.830+/-3.476 χ^2/NDF: 68.9/67

In: -0.378+/-3.595 χ^2/NDF:52.8/54

Out: 7.332+/-3.538 χ^2/NDF:69.4/60

All: 3.540+/-2.522 χ^2/NDF: 124.6/115

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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: 22.280+/-0.003 χ^2/NDF: 35171.8/35

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

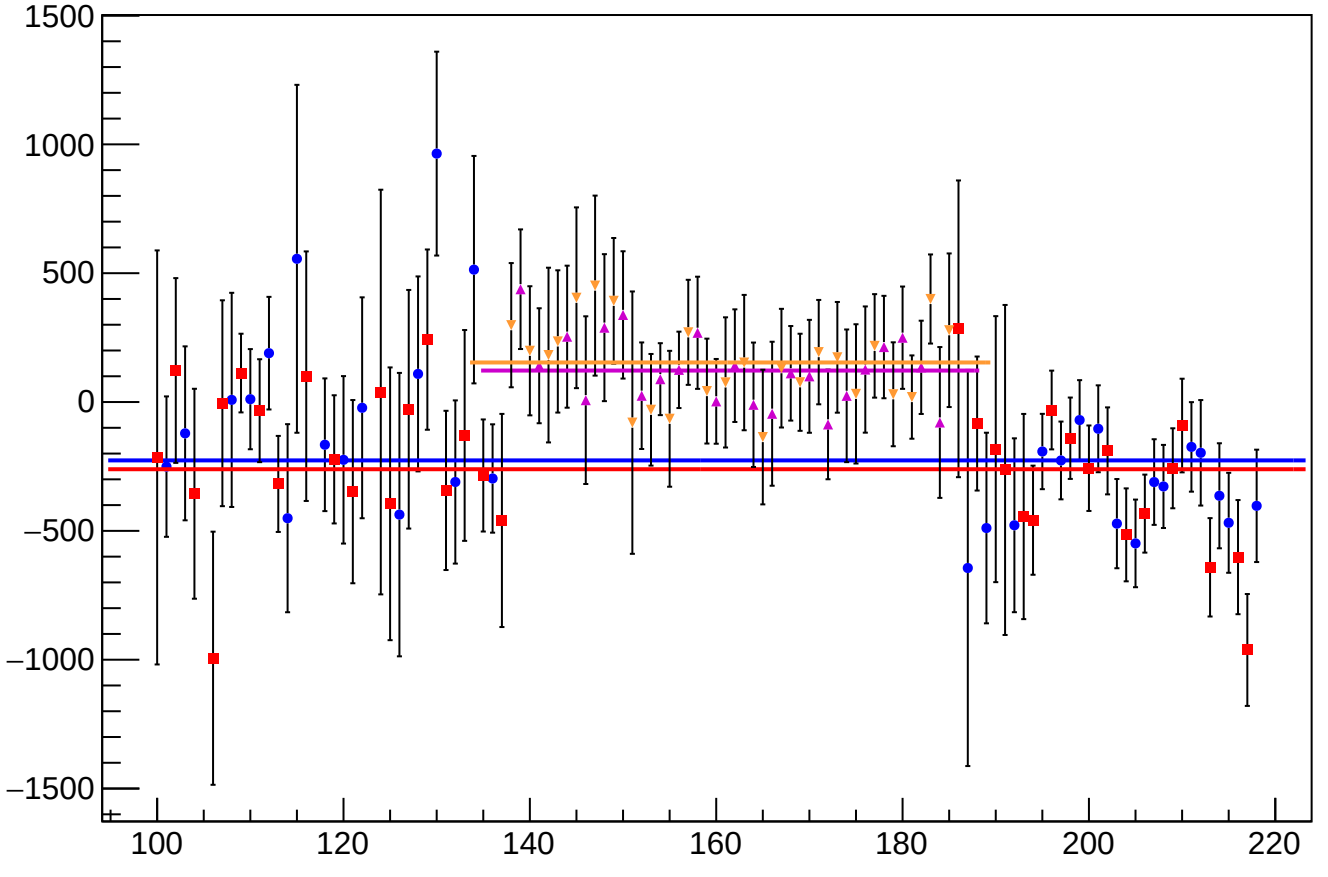
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.233+/-0.002 χ^2/NDF: 62030.7/67

In: 22.314+/-0.003 χ^2/NDF:48518.8/54

Out: 22.393+/-0.003 χ^2/NDF:53425.7/60

All: 22.355+/-0.002 χ^2/NDF: 102434.0/115



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: -260.791+/-39.697 χ^2/NDF: 41.2/35

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

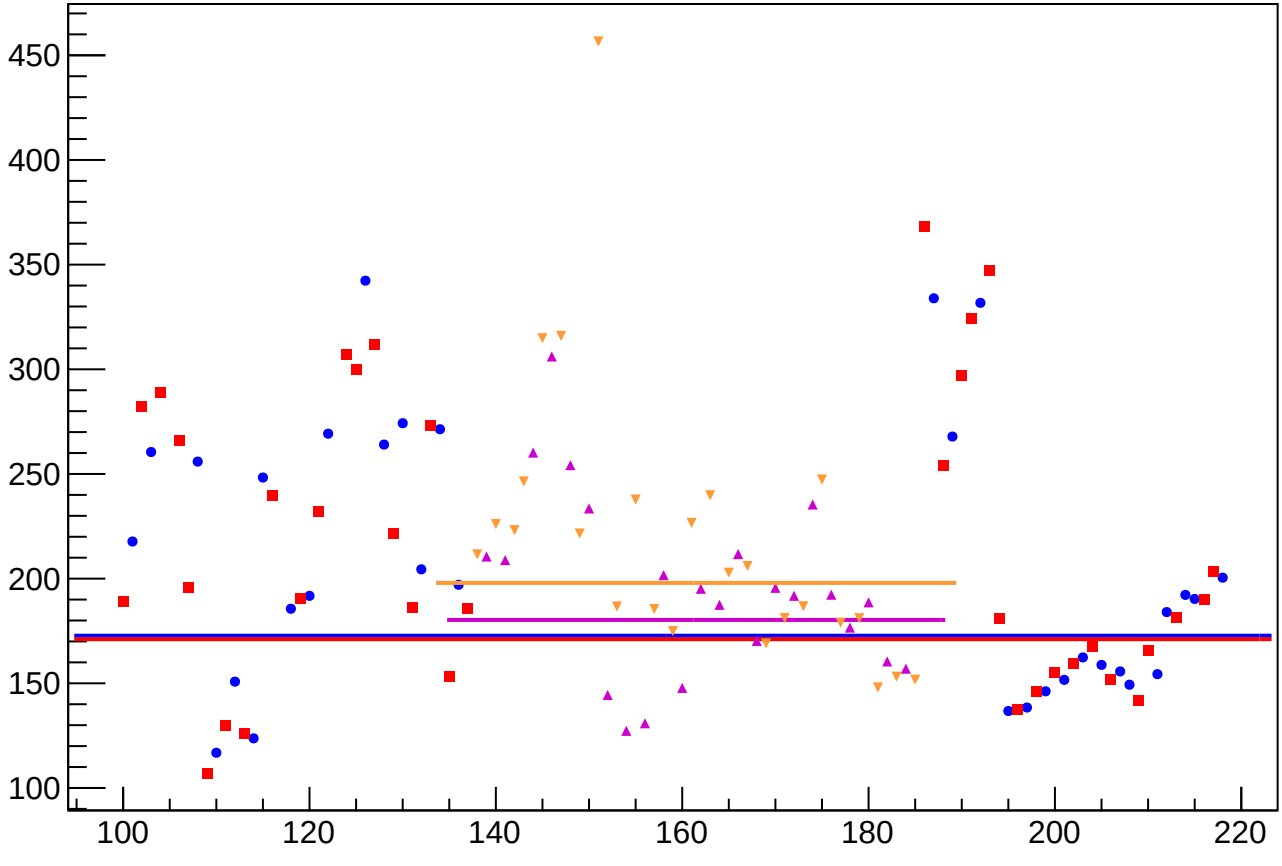
Right: -243.754+/-28.163 χ^2/NDF: 74.1/67

In: -68.915+/-29.584 χ^2/NDF:74.4/54

Out: -86.726+/-30.229 χ^2/NDF:97.0/60

All: -77.628+/-21.143 χ^2/NDF: 171.6/115

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



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: 171.074+/-0.028 χ^2/NDF: 3072547.0/35

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

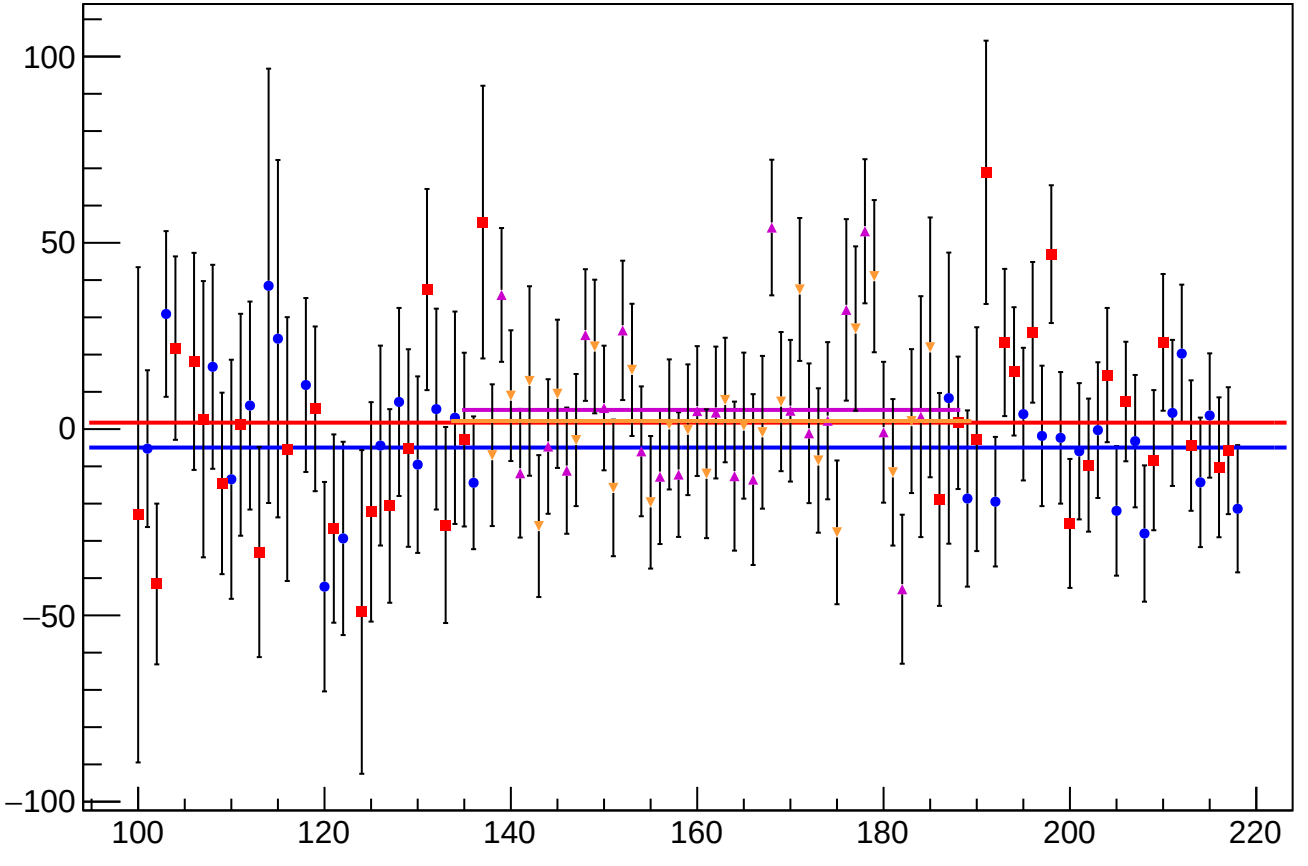
Right: 171.897+/-0.020 χ^2/NDF: 5447565.1/67

In: 176.140+/-0.021 χ^2/NDF:4030180.5/54

Out: 182.369+/-0.021 χ^2/NDF:5249276.0/60

All: 179.187+/-0.015 χ^2/NDF: 9322828.5/115

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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: 1.733+/-3.749 χ^2/NDF: 35.8/35

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

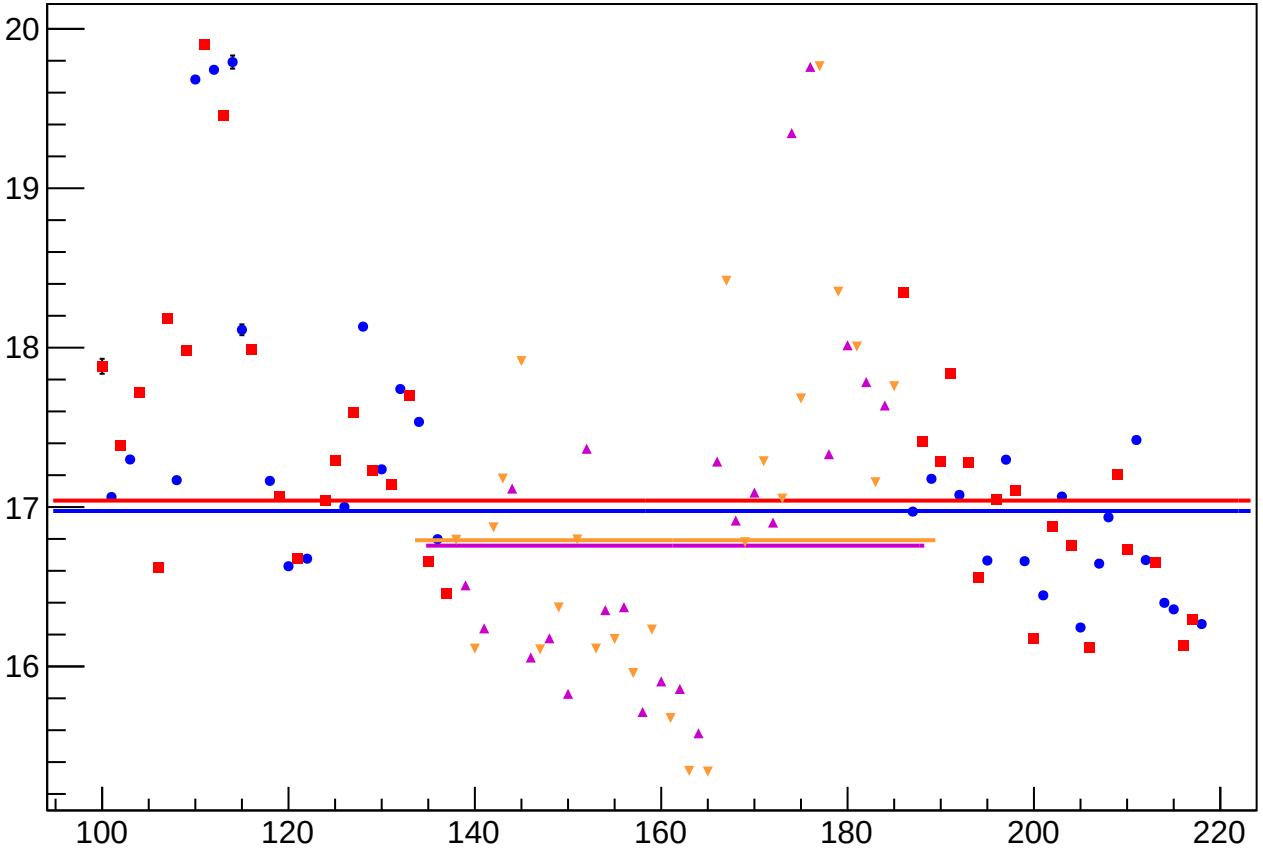
Right: -1.580+/-2.663 χ^2/NDF: 53.3/67

In: -0.086+/-2.723 χ^2/NDF:51.7/54

Out: 1.949+/-2.678 χ^2/NDF:55.8/60

All: 0.948+/-1.909 χ^2/NDF: 107.7/115

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: 17.040+/-0.003 χ^2/NDF: 76658.4/35

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

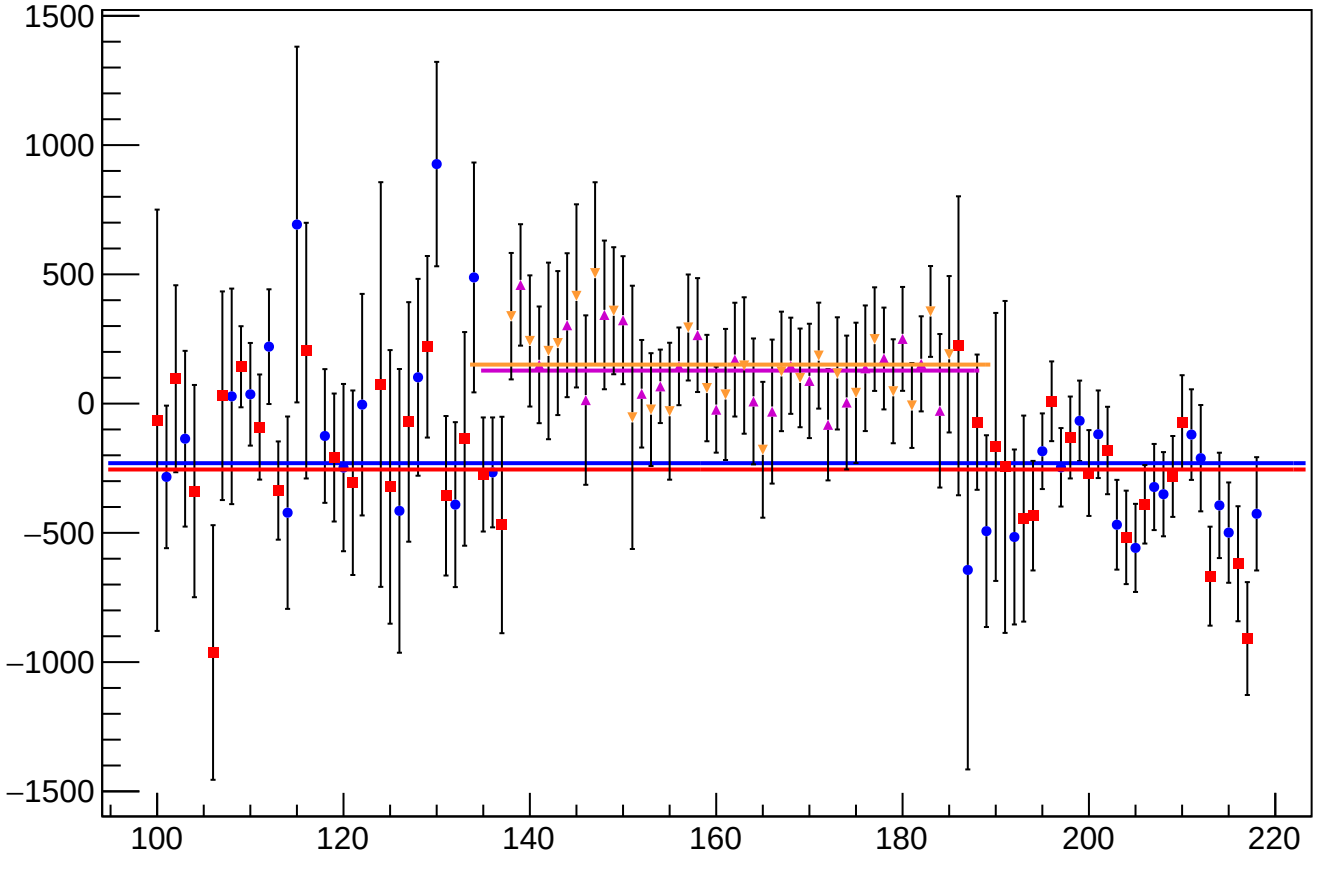
Right: 17.008+/-0.002 χ^2/NDF: 142895.7/67

In: 16.871+/-0.002 χ^2/NDF:192430.2/54

Out: 16.919+/-0.002 χ^2/NDF:217964.1/60

All: 16.895+/-0.001 χ^2/NDF: 410712.2/115

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: -254.916+/-39.981 χ^2/NDF: 40.5/35

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

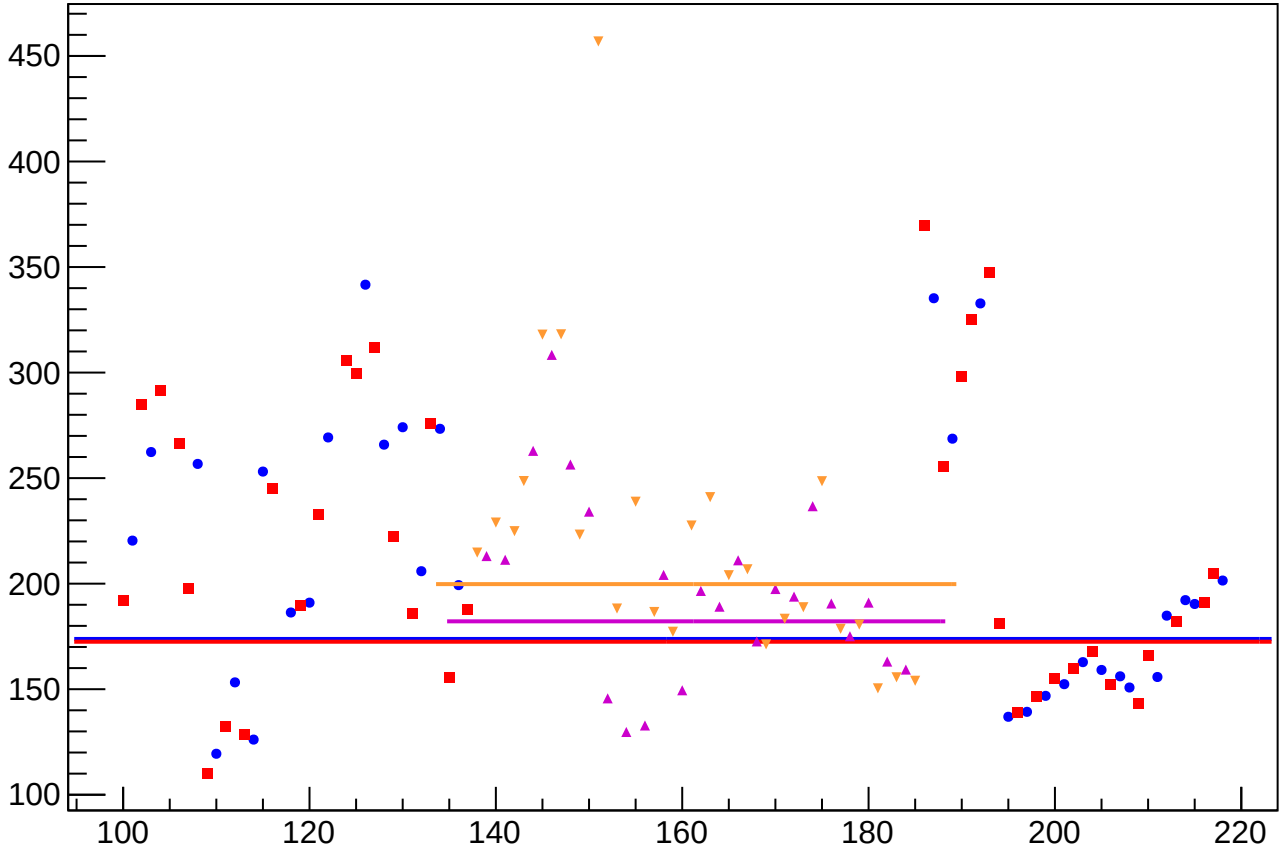
Right: -242.762+/-28.345 χ^2/NDF: 75.3/67

In: -69.259+/-29.805 χ^2/NDF:78.2/54

Out: -84.698+/-30.463 χ^2/NDF:93.7/60

All: -76.810+/-21.304 χ^2/NDF: 172.1/115

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: 172.490+/-0.028 χ^2/NDF: 3002213.1/35

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

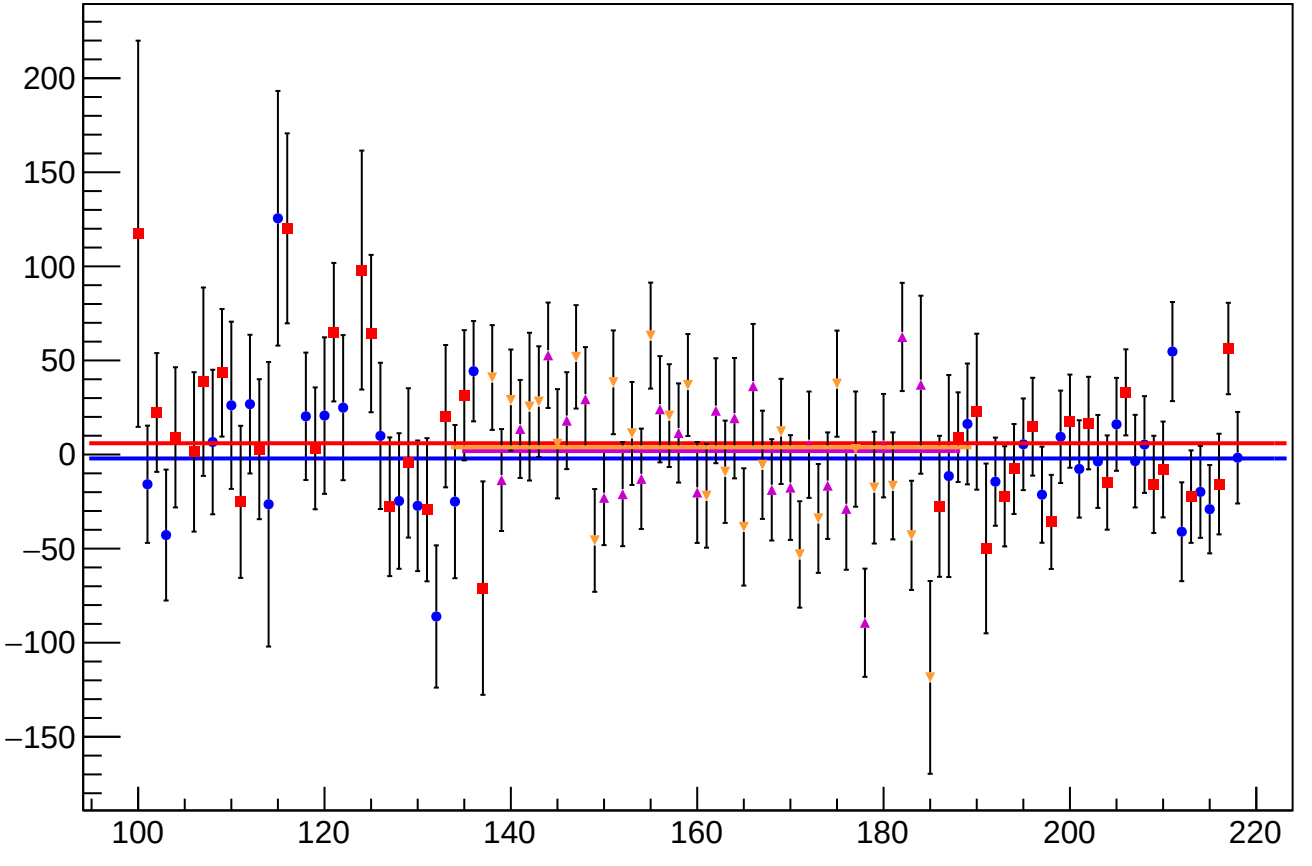
Right: 173.143+/-0.020 χ^2/NDF: 5350438.6/67

In: 177.561+/-0.021 χ^2/NDF:3970321.6/54

Out: 183.939+/-0.022 χ^2/NDF:5153553.9/60

All: 180.680+/-0.015 χ^2/NDF: 9168669.6/115

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: 5.997+/-5.259 χ^2/NDF: 36.4/35

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

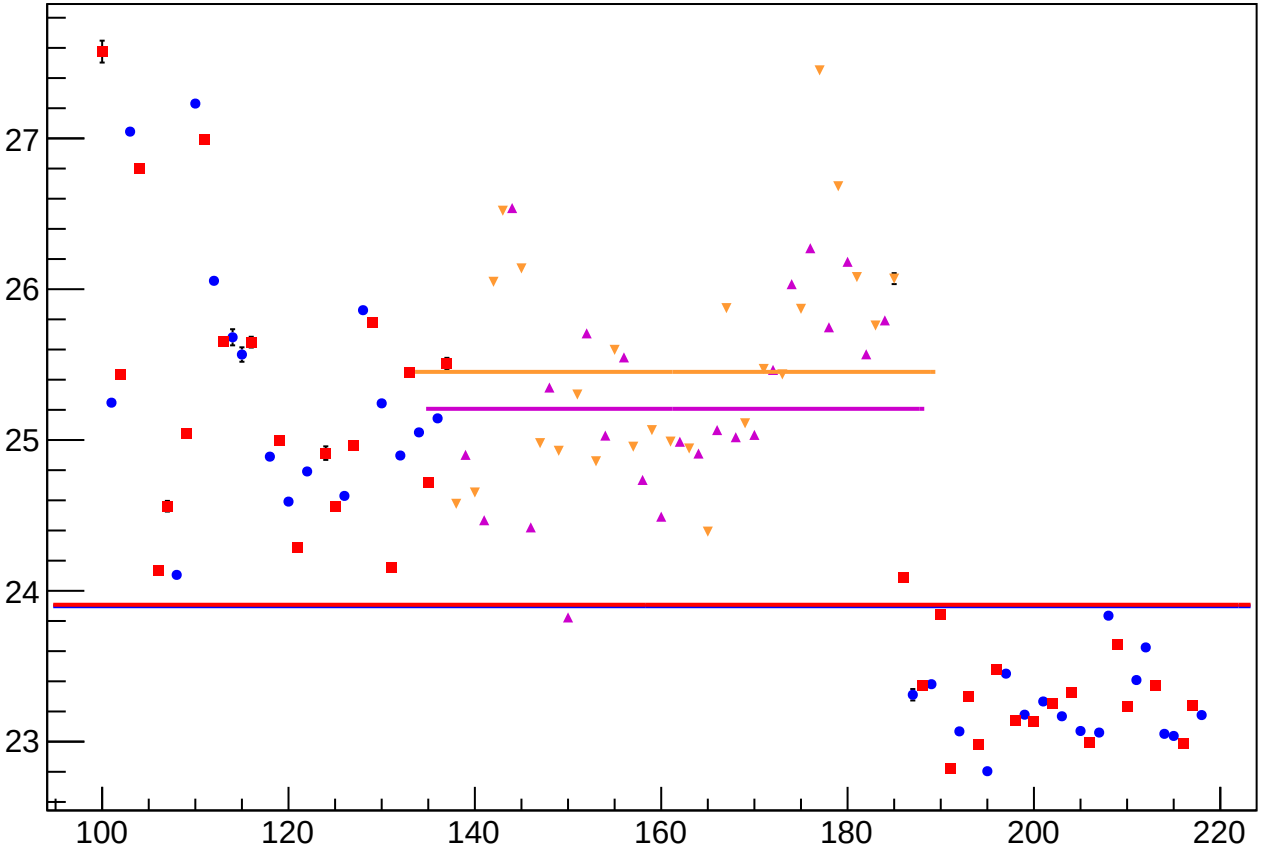
Right: 2.003+/-3.741 χ^2/NDF: 65.3/67

In: -0.319+/-3.950 χ^2/NDF:56.0/54

Out: 5.018+/-3.892 χ^2/NDF:74.1/60

All: 2.388+/-2.773 χ^2/NDF: 131.1/115

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: 23.908+/-0.004 χ^2/NDF: 78781.8/35

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

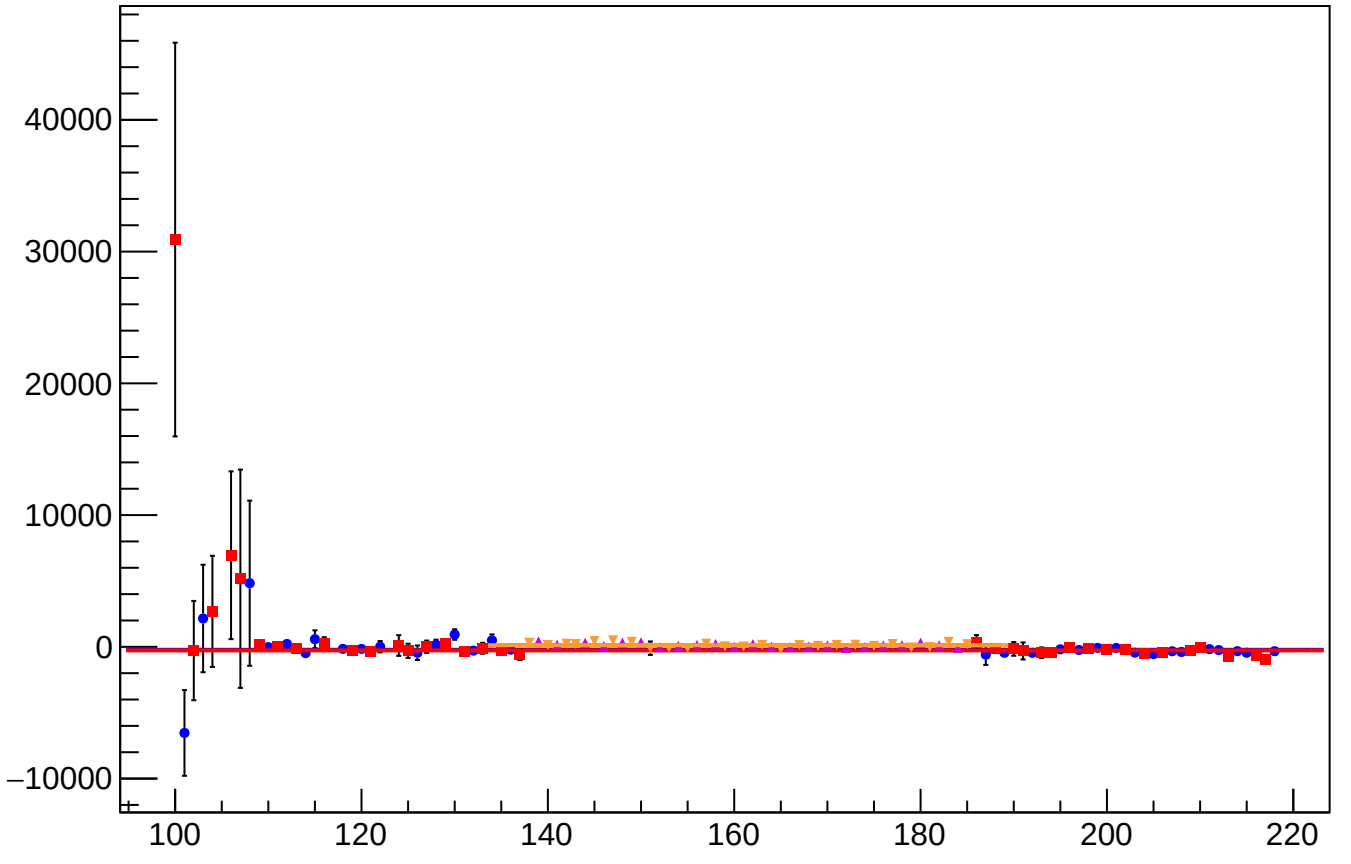
Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

Right: 23.903+/-0.003 χ^2/NDF: 164655.5/67

In: 24.486+/-0.003 χ^2/NDF:166031.0/54

Out: 24.606+/-0.003 χ^2/NDF:186360.5/60

All: 24.547+/-0.002 χ^2/NDF: 353325.0/115



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: -269.373+/-42.040 χ^2/NDF: 45.6/35

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

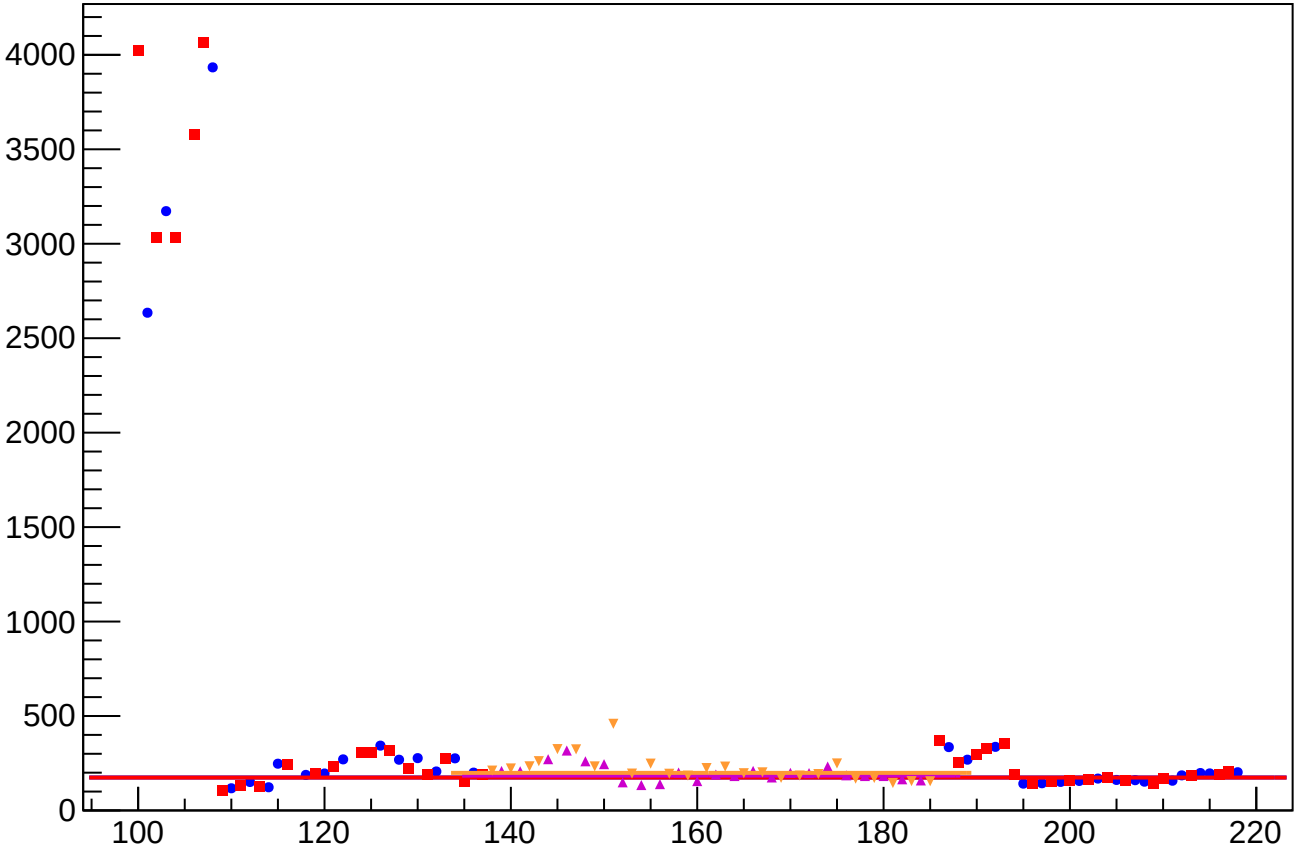
Right: -247.431+/-29.646 χ^2/NDF: 81.4/67

In: -66.310+/-30.590 χ^2/NDF:74.6/54

Out: -93.704+/-31.312 χ^2/NDF:95.9/60

All: -79.687+/-21.881 χ^2/NDF: 170.9/115

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



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: 174.088+/-0.030 χ^2/NDF: 5647435.6/35

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

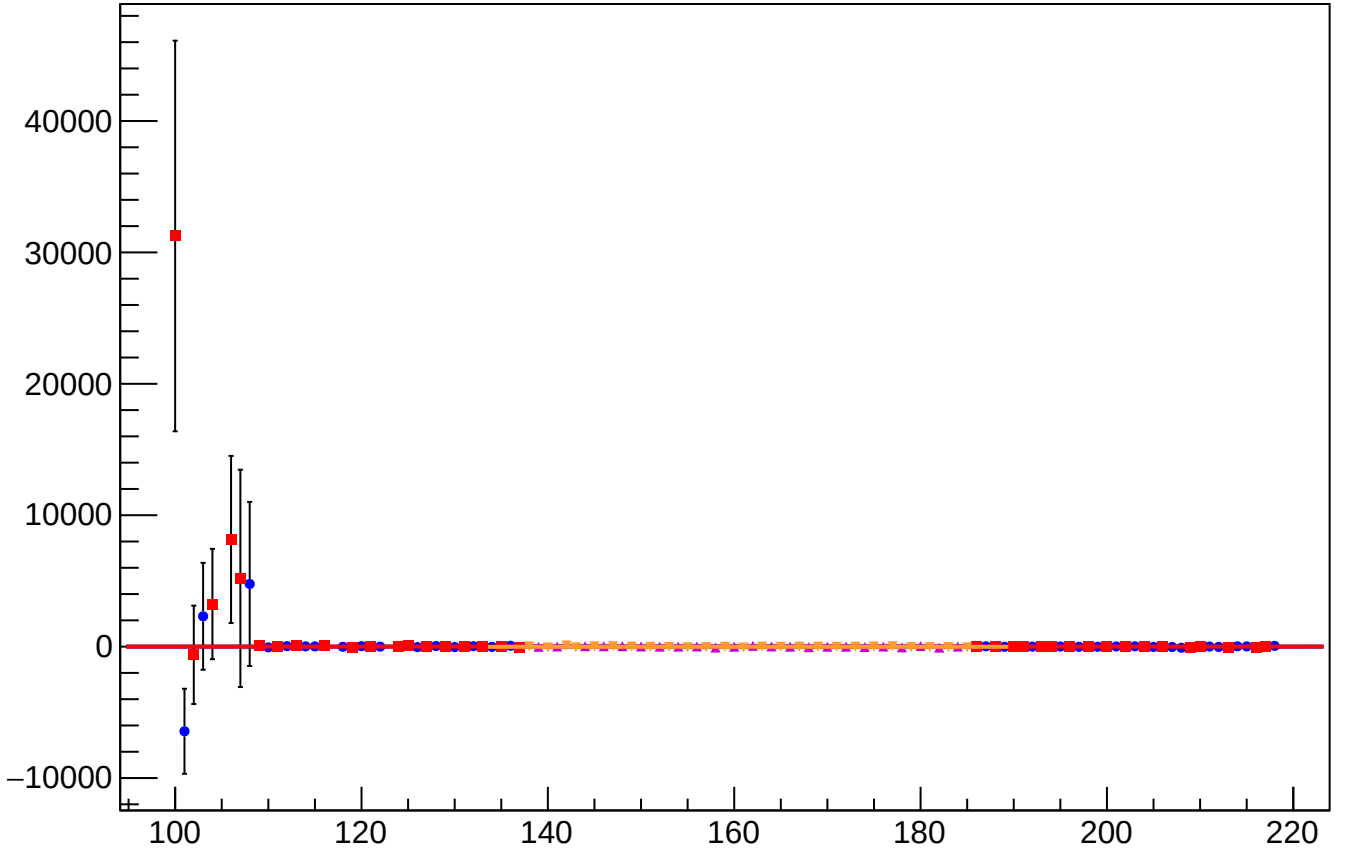
Right: 174.321+/-0.021 χ^2/NDF: 10617406.8/67

In: 179.128+/-0.022 χ^2/NDF:6467711.8/54

Out: 185.178+/-0.022 χ^2/NDF:7862124.6/60

All: 182.082+/-0.015 χ^2/NDF: 14368036.0/11

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: 2.291+/-6.339 χ^2/NDF: 43.3/35

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

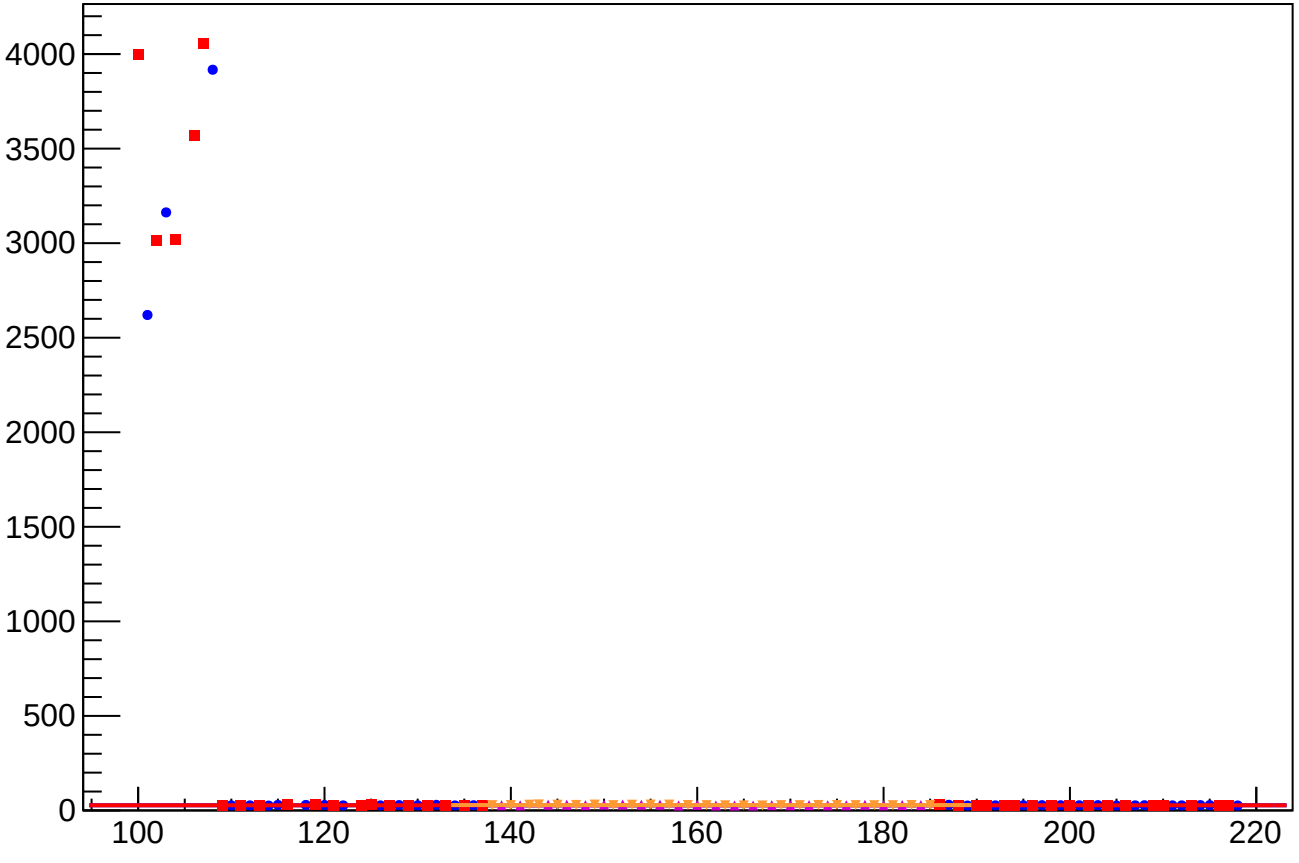
Right: 1.696+/-4.489 χ^2/NDF: 77.6/67

In: 1.607+/-4.613 χ^2/NDF:62.6/54

Out: -6.039+/-4.542 χ^2/NDF:69.1/60

All: -2.275+/-3.237 χ^2/NDF: 133.1/115

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: 27.323+/-0.004 χ^2/NDF: 3597236.5/35

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

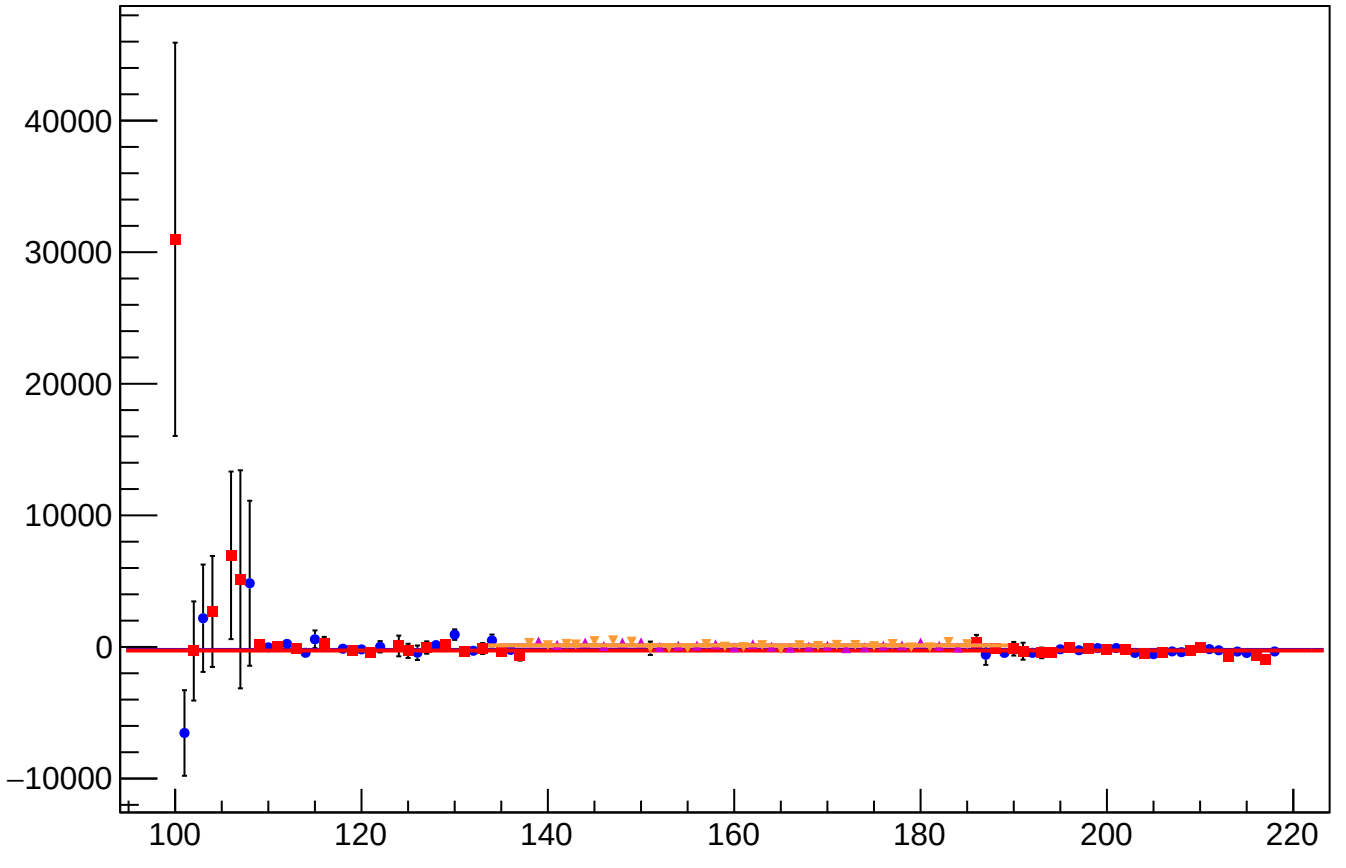
Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

Right: 27.346+/-0.003 χ^2/NDF: 6884541.7/67

In: 27.955+/-0.003 χ^2/NDF:3445977.6/54

Out: 27.937+/-0.003 χ^2/NDF:3723986.4/60

All: 27.946+/-0.002 χ^2/NDF: 7169979.0/115



Right In: -227.501+/-41.691 χ^2/NDF: 35.9/31

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -270.297+/-41.922 χ^2/NDF: 46.6/35

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

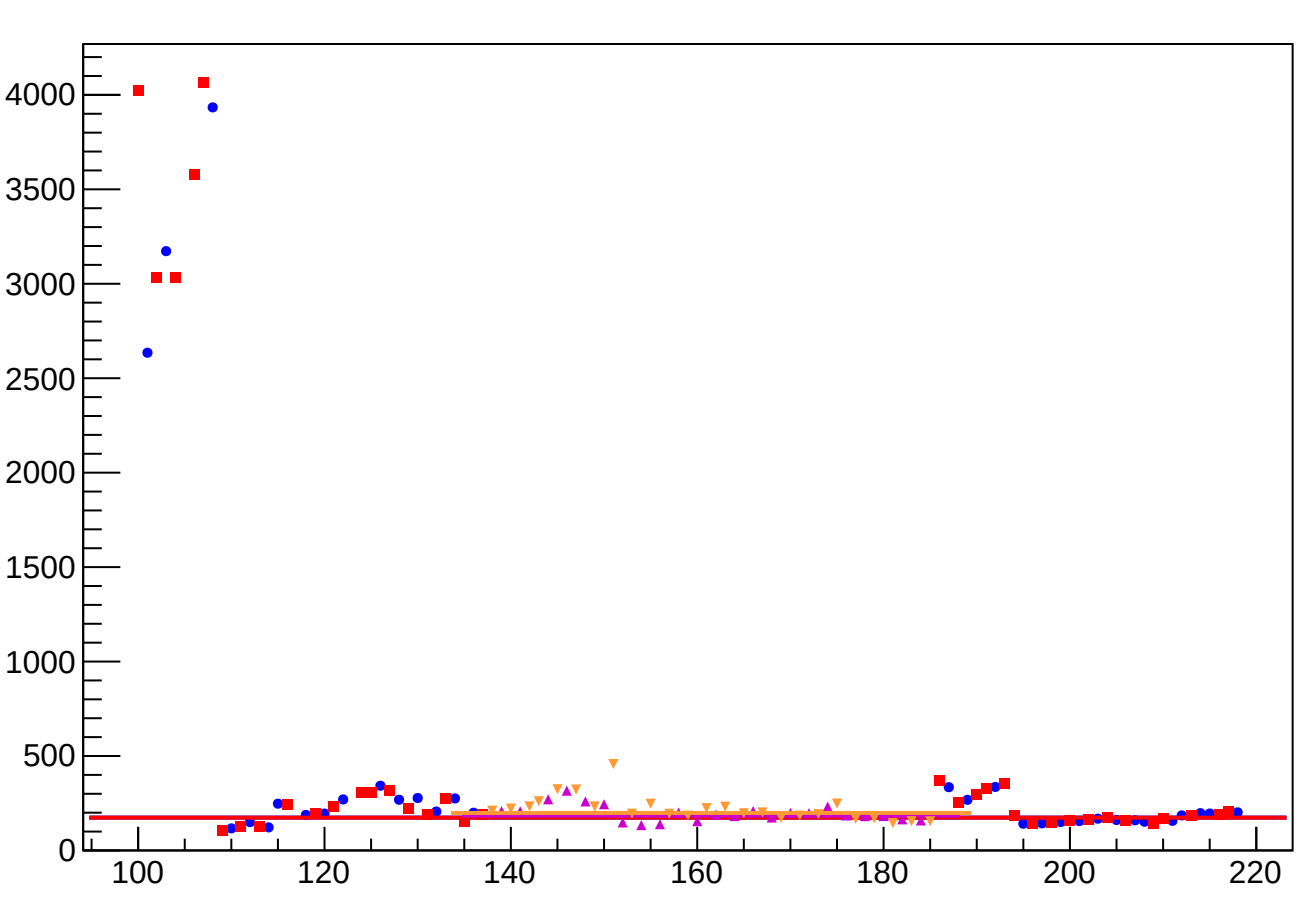
Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

Right: -248.780+/-29.561 χ^2/NDF: 83.0/67

In: -67.918+/-30.515 χ^2/NDF:75.9/54

Out: -95.792+/-31.233 χ^2/NDF:97.5/60

All: -81.531+/-21.827 χ^2/NDF: 173.8/115



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: 173.552+/-0.030 χ^2/NDF: 5666477.8/35

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

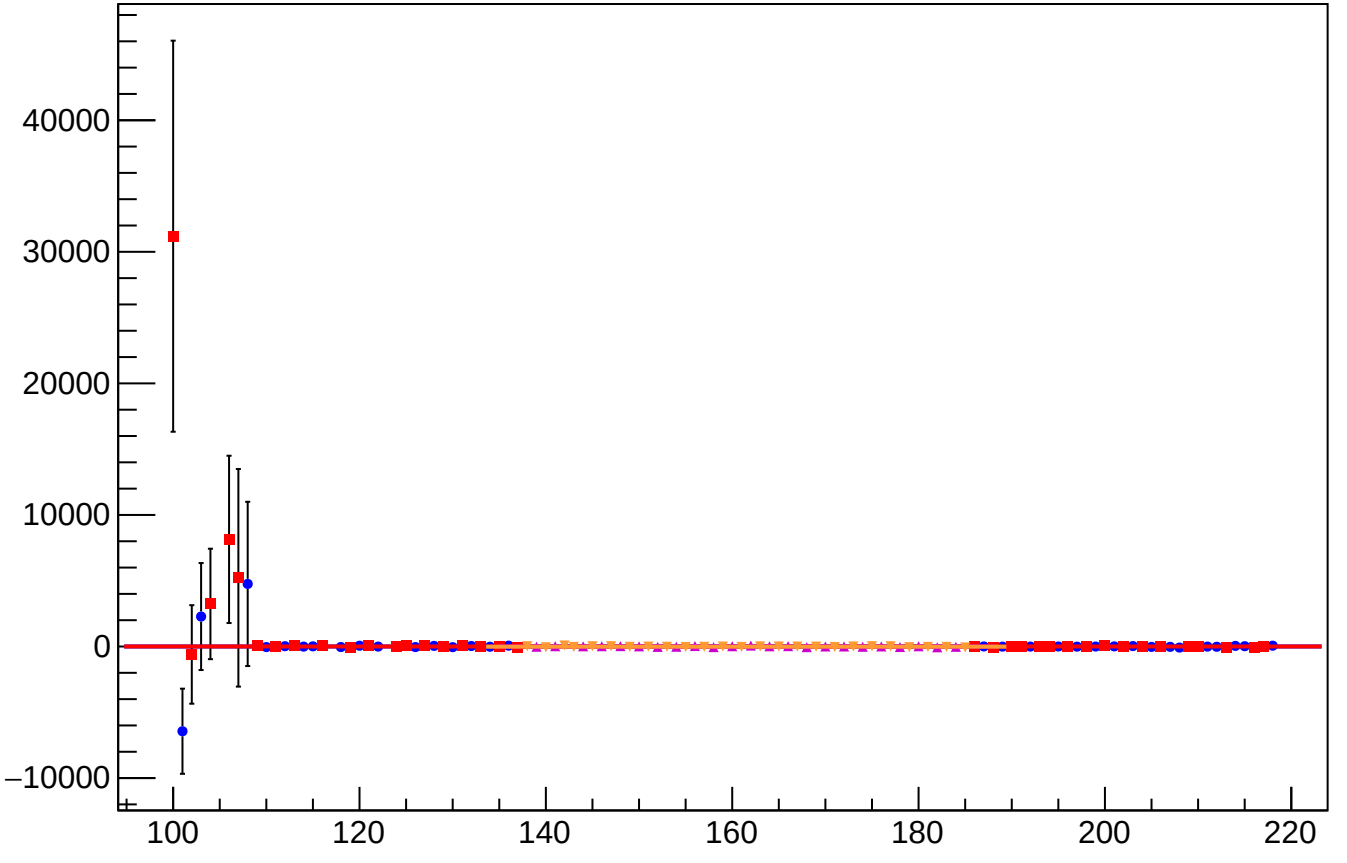
Right: 173.783+/-0.021 χ^2/NDF: 10650230.1/67

In: 178.672+/-0.022 χ^2/NDF:6482912.6/54

Out: 184.684+/-0.022 χ^2/NDF:7884896.8/60

All: 181.608+/-0.015 χ^2/NDF: 14405720.2/11

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: 3.467+/-6.306 χ^2/NDF: 41.4/35

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

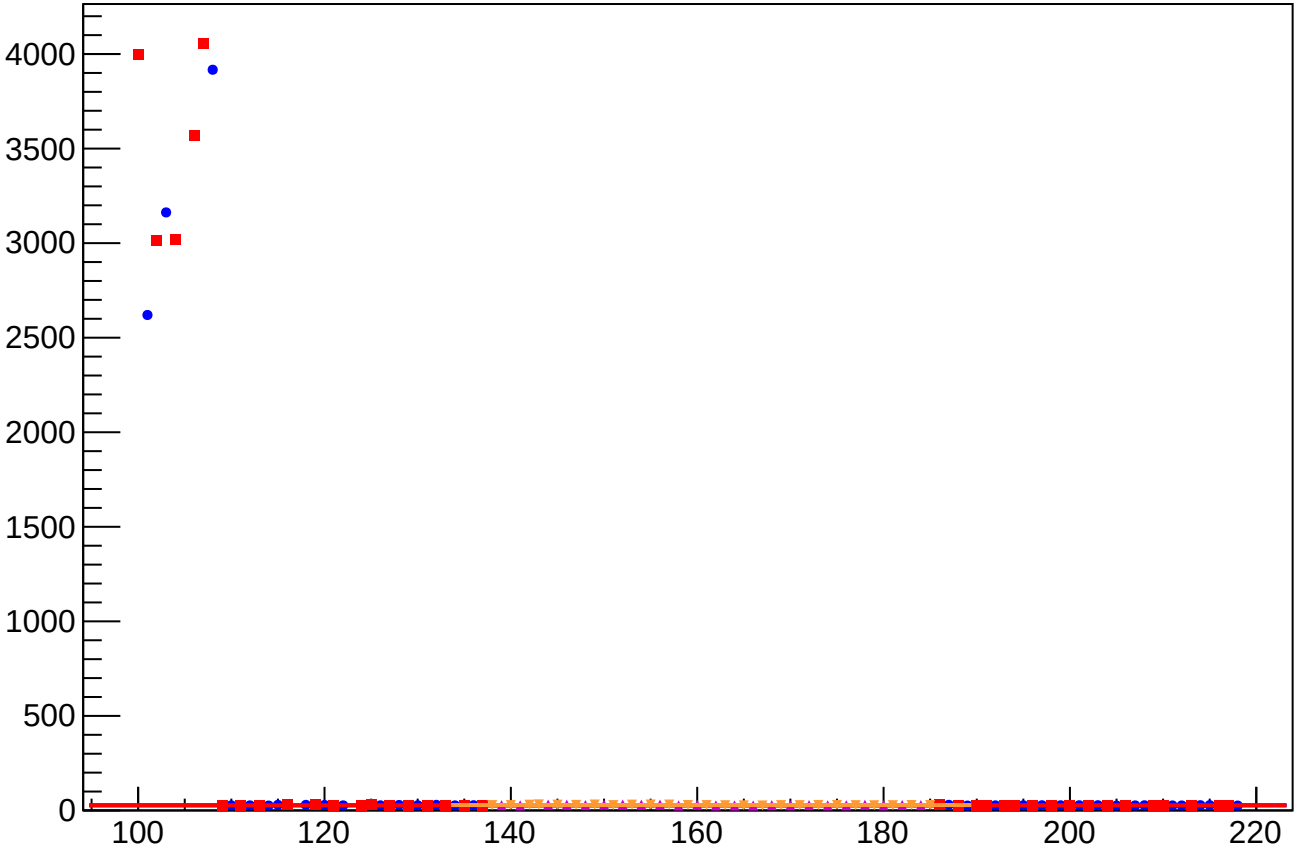
Right: 2.623+/-4.463 χ^2/NDF: 79.6/67

In: 2.151+/-4.607 χ^2/NDF:60.3/54

Out: -3.918+/-4.540 χ^2/NDF:62.1/60

All: -0.928+/-3.234 χ^2/NDF: 123.3/115

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: 27.178+/-0.004 χ^2/NDF: 3603305.8/35

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

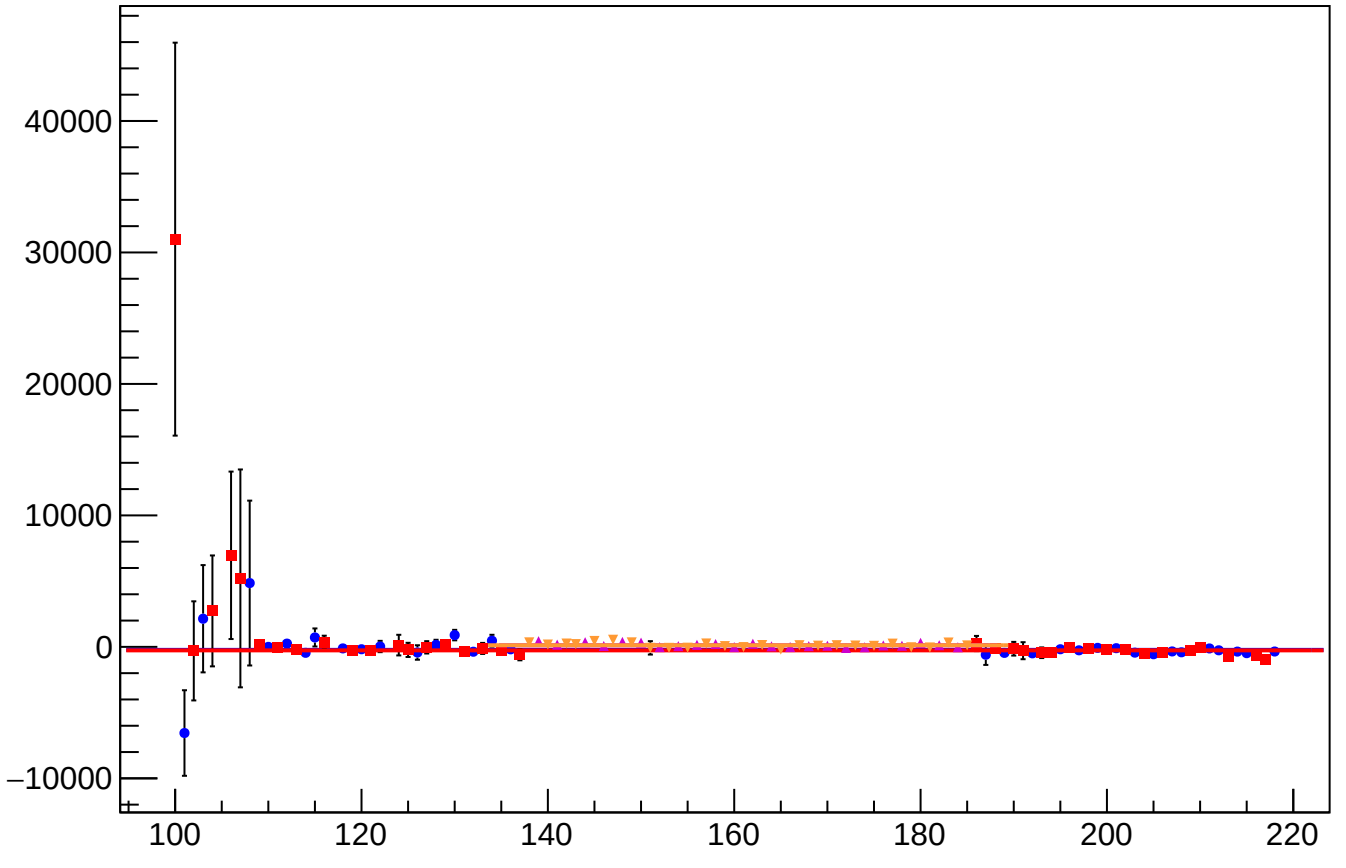
Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

Right: 27.187+/-0.003 χ^2/NDF: 6898773.3/67

In: 27.913+/-0.003 χ^2/NDF:3477911.9/54

Out: 27.915+/-0.003 χ^2/NDF:3758865.2/60

All: 27.914+/-0.002 χ^2/NDF: 7236777.2/115



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: -265.603+/-42.236 χ^2/NDF: 44.2/35

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

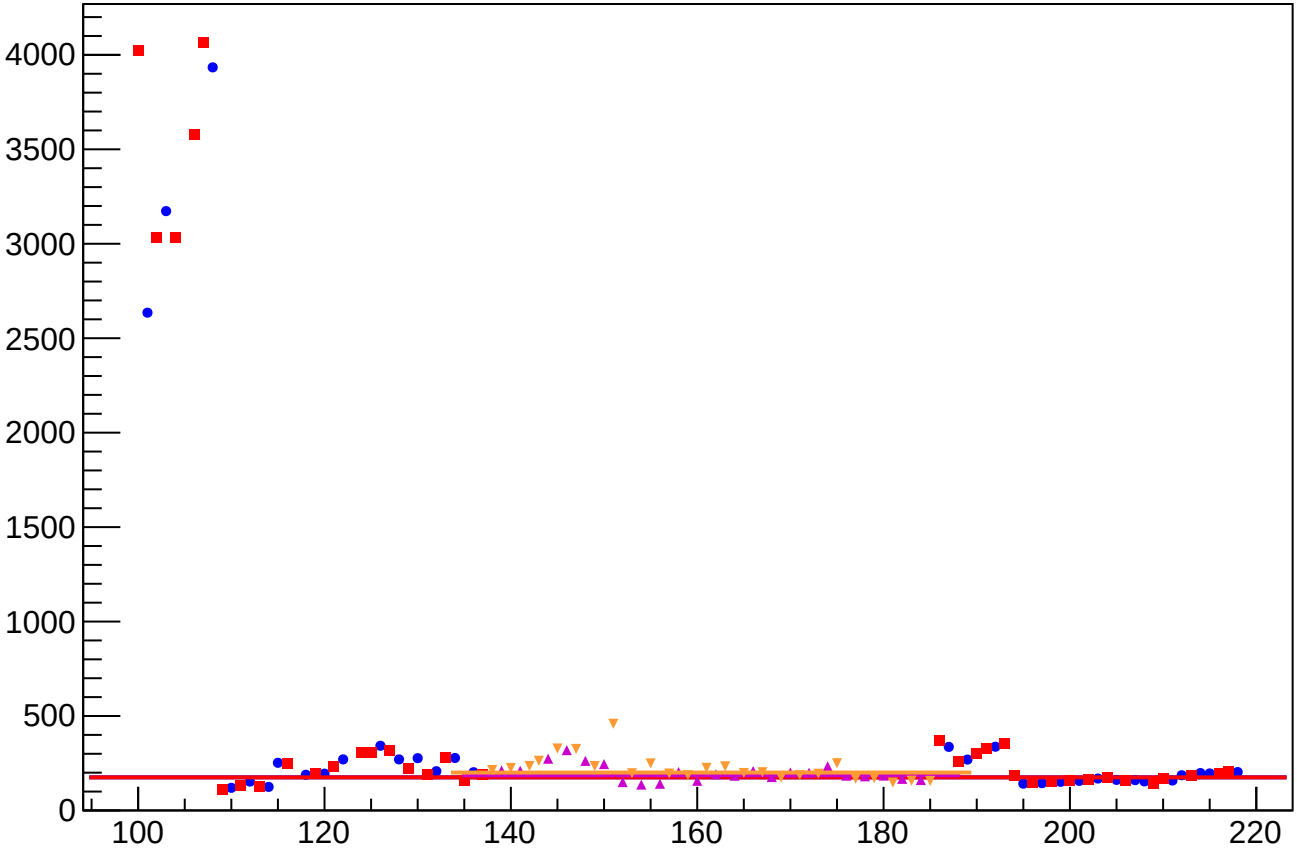
Right: -247.089+/-29.777 χ^2/NDF: 82.0/67

In: -66.093+/-30.784 χ^2/NDF:78.3/54

Out: -93.267+/-31.504 χ^2/NDF:93.1/60

All: -79.366+/-22.018 χ^2/NDF: 171.8/115

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



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: 175.032+/-0.030 χ^2/NDF: 5602432.3/35

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

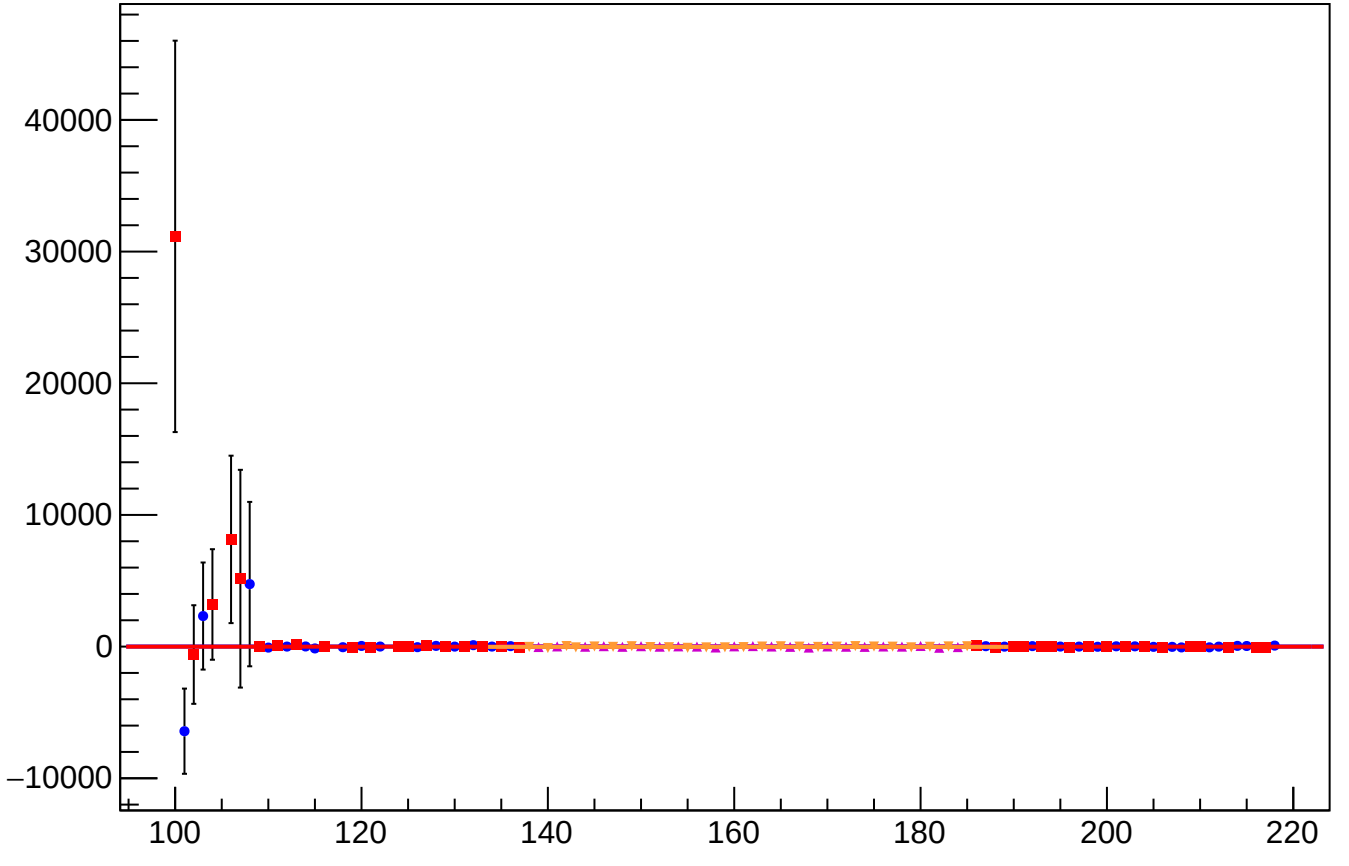
Right: 175.192+/-0.021 χ^2/NDF: 10548635.4/67

In: 180.353+/-0.022 χ^2/NDF:6420954.3/54

Out: 186.413+/-0.022 χ^2/NDF:7809837.9/60

All: 183.313+/-0.016 χ^2/NDF: 14268651.6/11

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: -5.533+/-7.700 χ^2/NDF: 39.1/35

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

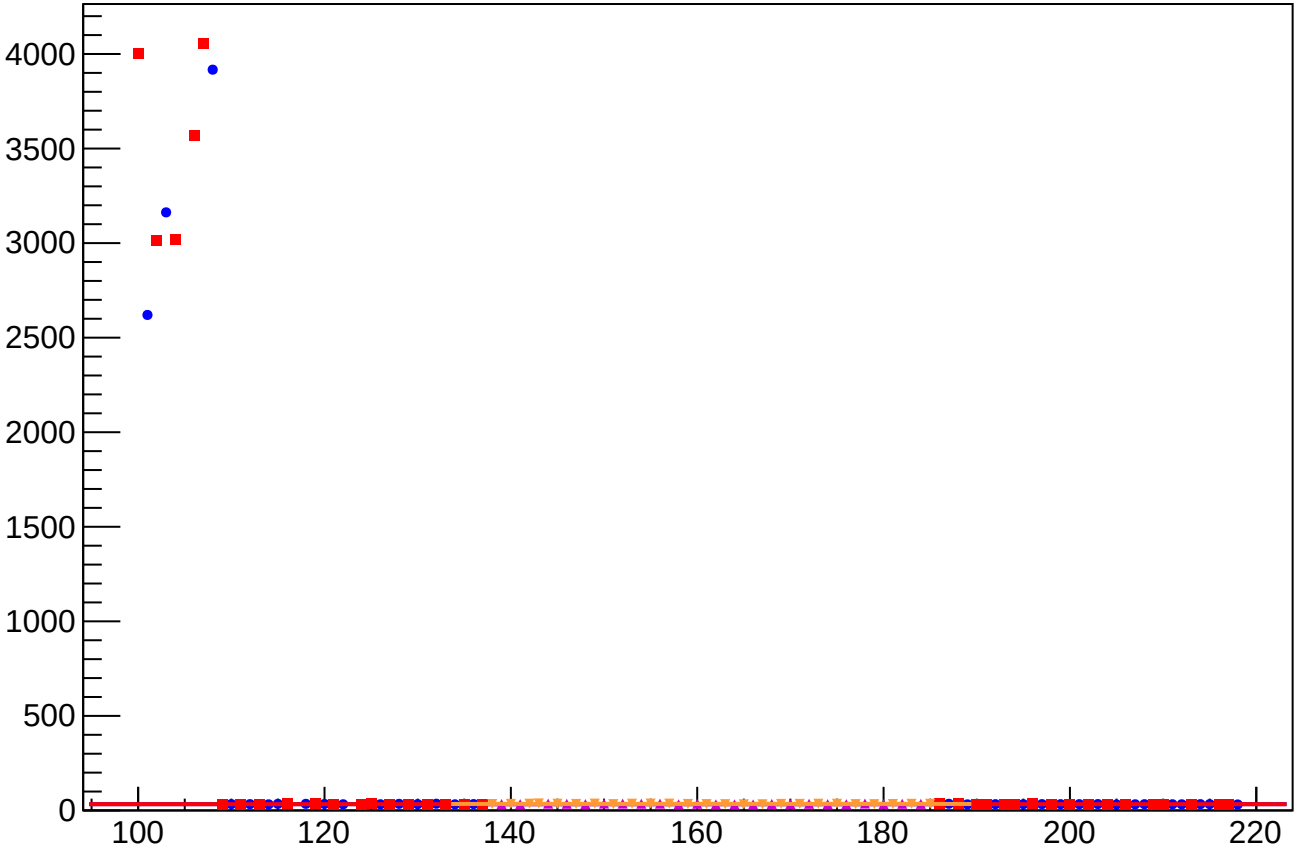
Right: 0.620+/-5.448 χ^2/NDF: 74.7/67

In: 1.635+/-5.578 χ^2/NDF:54.1/54

Out: -13.244+/-5.492 χ^2/NDF:64.1/60

All: -5.921+/-3.914 χ^2/NDF: 121.8/115

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: 33.232+/-0.005 χ^2/NDF: 3554509.8/35

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

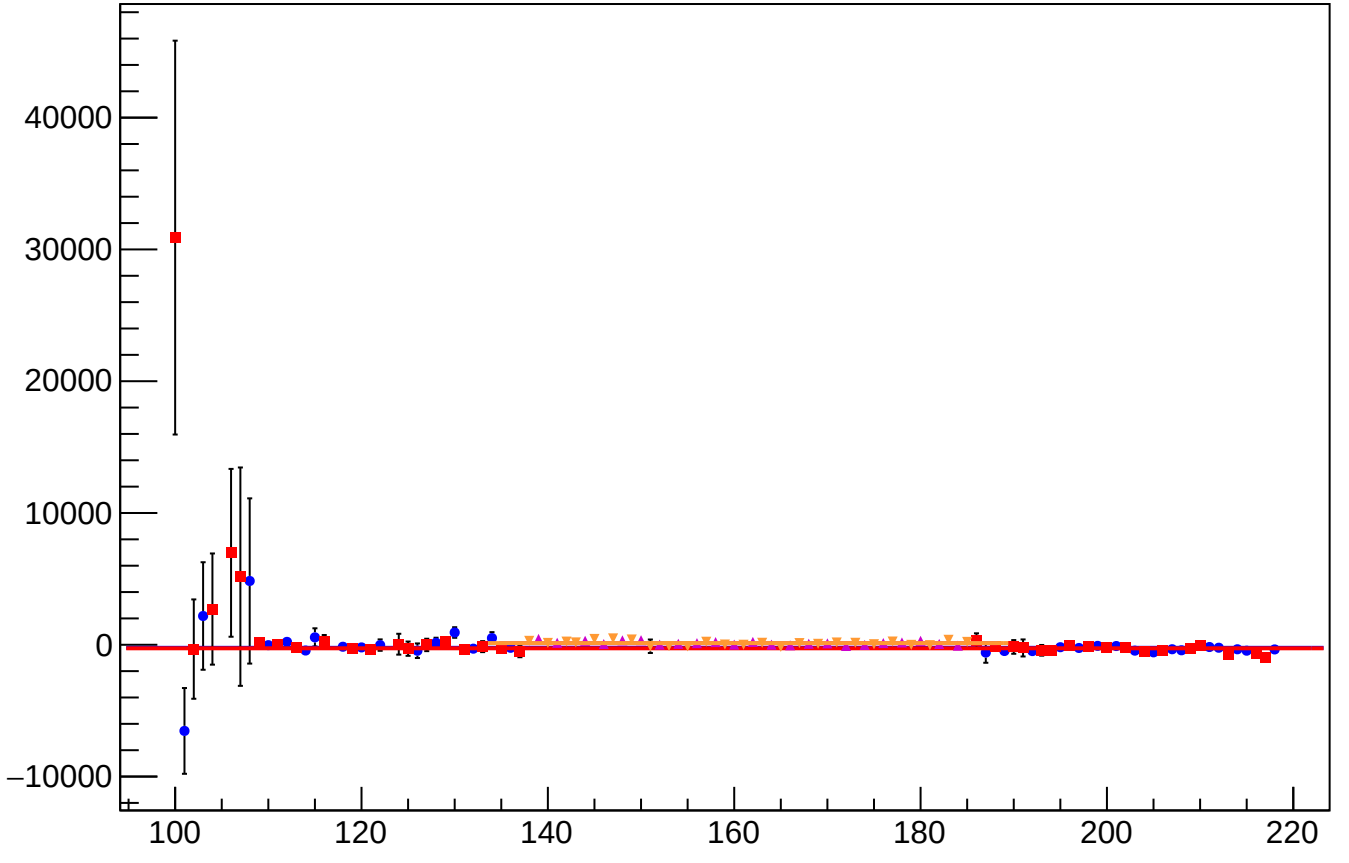
Right: 33.221+/-0.004 χ^2/NDF: 6815923.5/67

In: 33.849+/-0.004 χ^2/NDF:3349566.8/54

Out: 33.825+/-0.004 χ^2/NDF:3623338.0/60

All: 33.837+/-0.003 χ^2/NDF: 6972924.2/115

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



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: -267.515+/-42.087 χ^2/NDF: 45.0/35

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

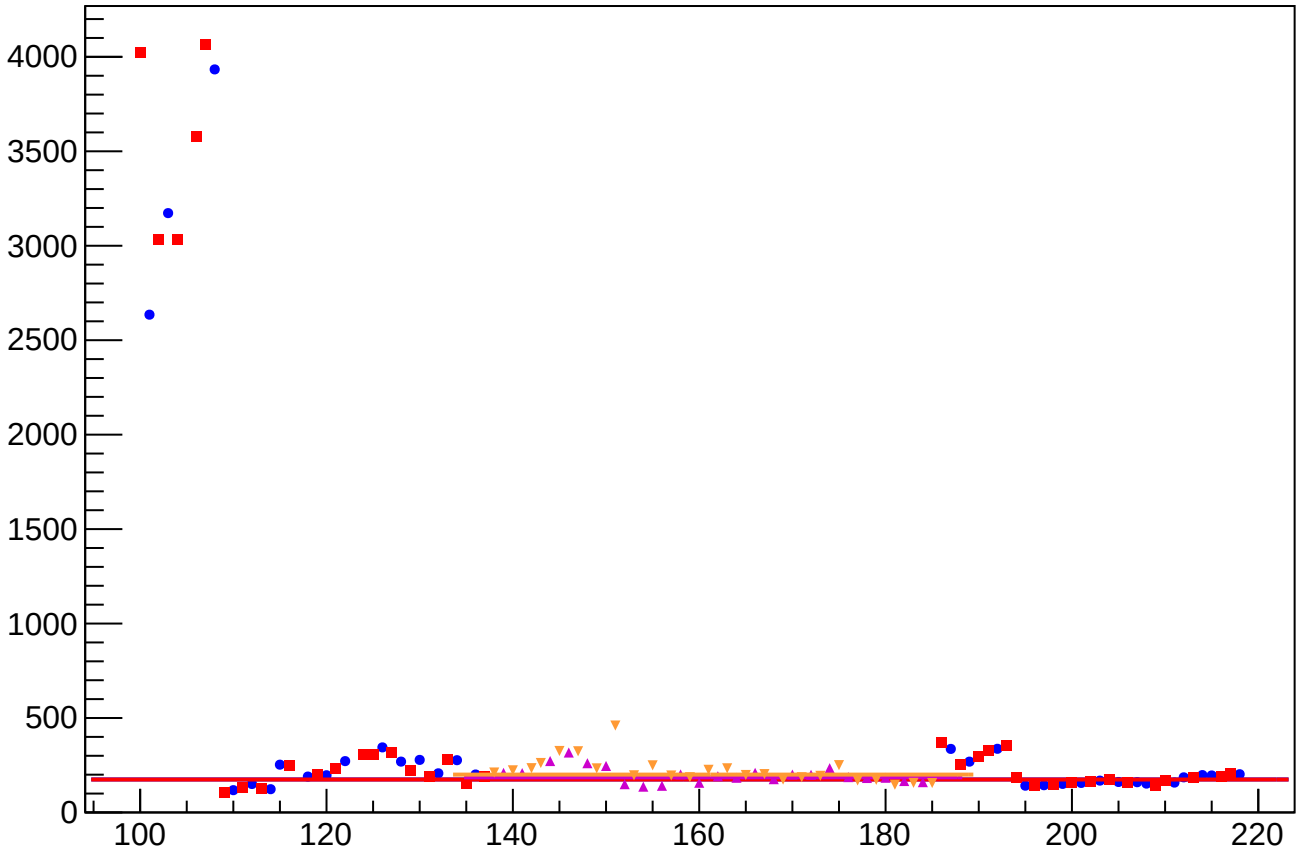
Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

Right: -249.618+/-29.681 χ^2/NDF: 81.4/67

In: -68.121+/-30.713 χ^2/NDF:77.2/54

Out: -92.585+/-31.421 χ^2/NDF:95.6/60

All: -80.075+/-21.964 χ^2/NDF: 173.1/115



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: 174.278+/-0.030 χ^2/NDF: 5653286.4/35

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

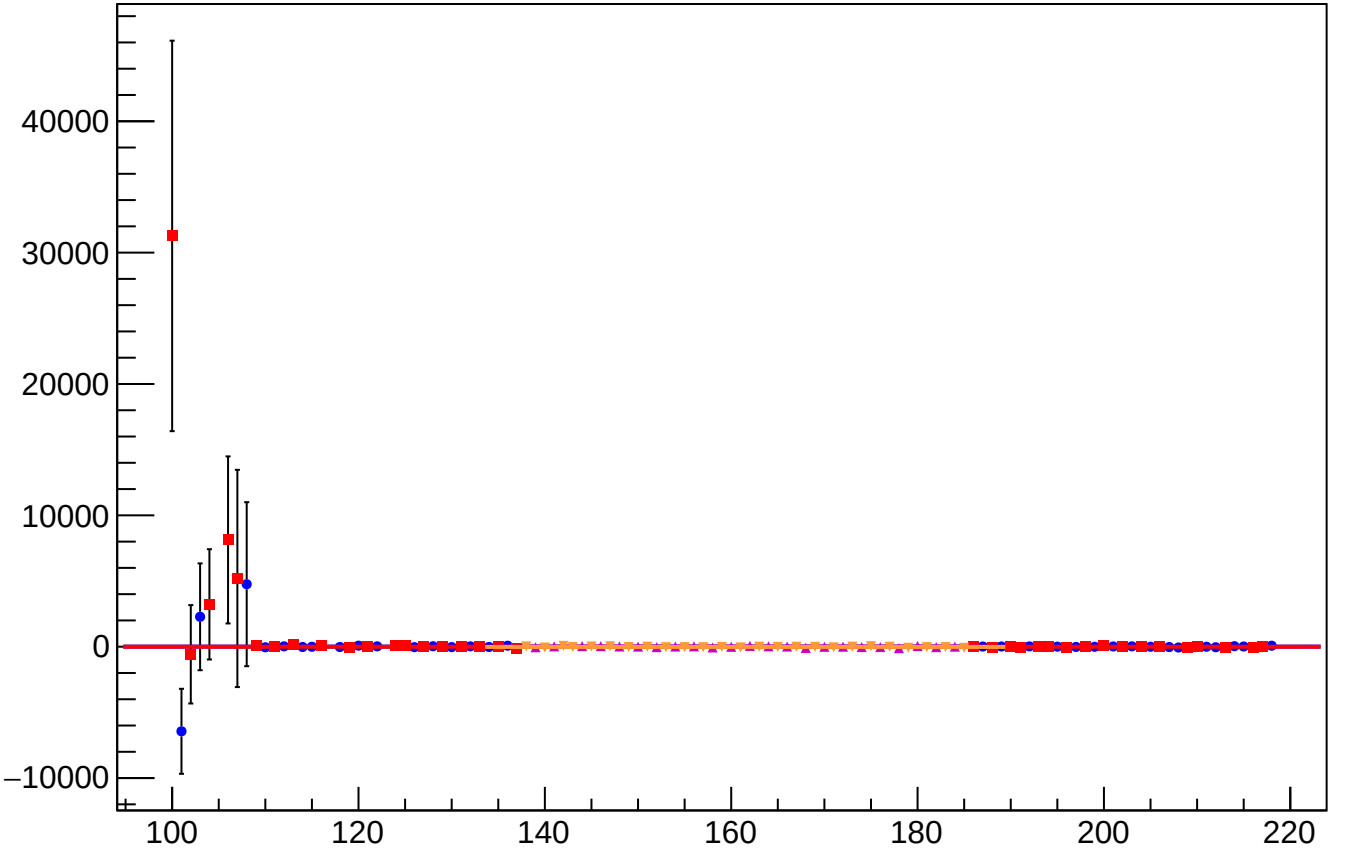
Right: 174.515+/-0.021 χ^2/NDF: 10630750.0/67

In: 179.885+/-0.022 χ^2/NDF:6448032.7/54

Out: 185.828+/-0.022 χ^2/NDF:7870114.6/60

All: 182.789+/-0.016 χ^2/NDF: 14354731.0/11

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: -2.205+/-6.961 χ^2/NDF: 46.5/35

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

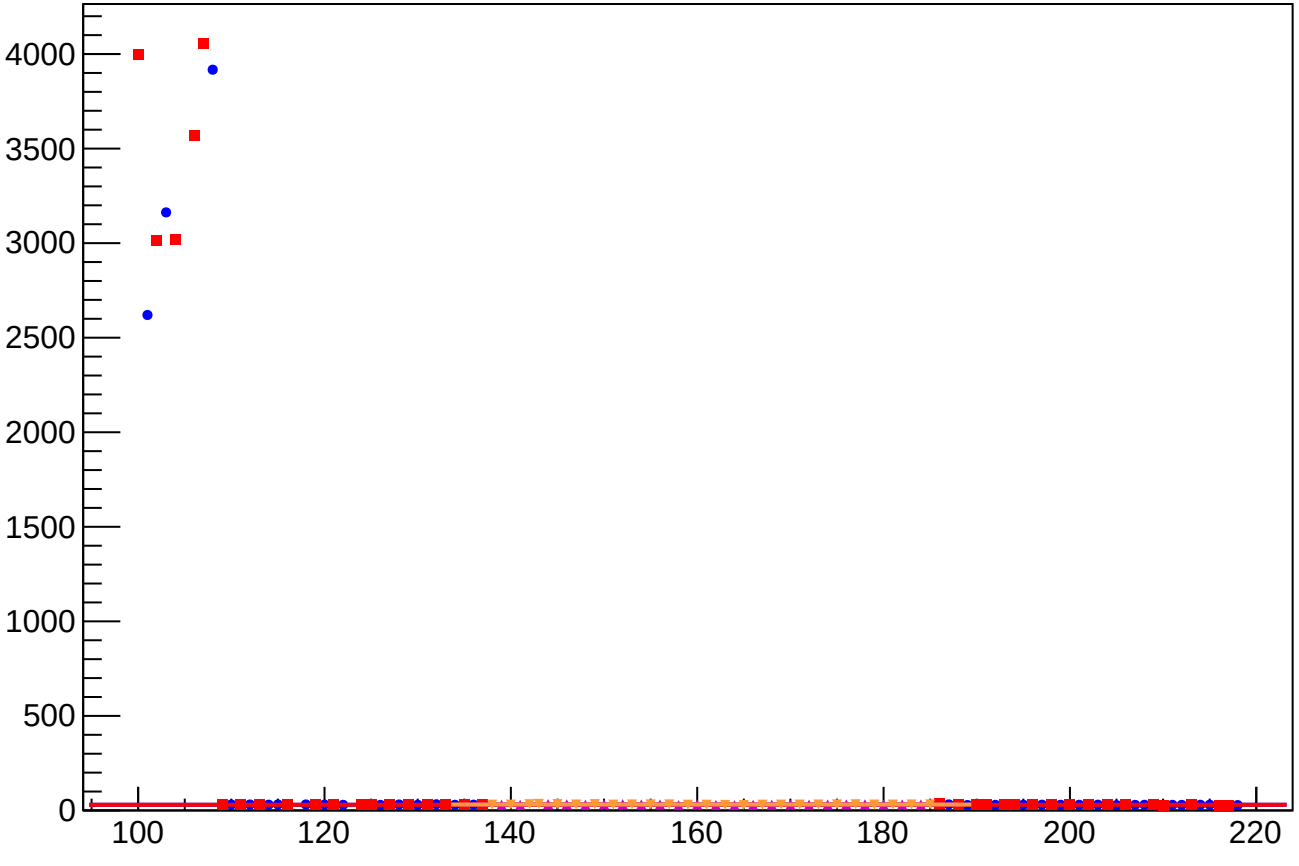
Right: 2.594+/-4.925 χ^2/NDF: 78.8/67

In: 2.614+/-5.057 χ^2/NDF:67.9/54

Out: -10.191+/-4.982 χ^2/NDF:69.6/60

All: -3.883+/-3.549 χ^2/NDF: 140.7/115

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: 30.017+/-0.005 χ^2/NDF: 3577760.3/35

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

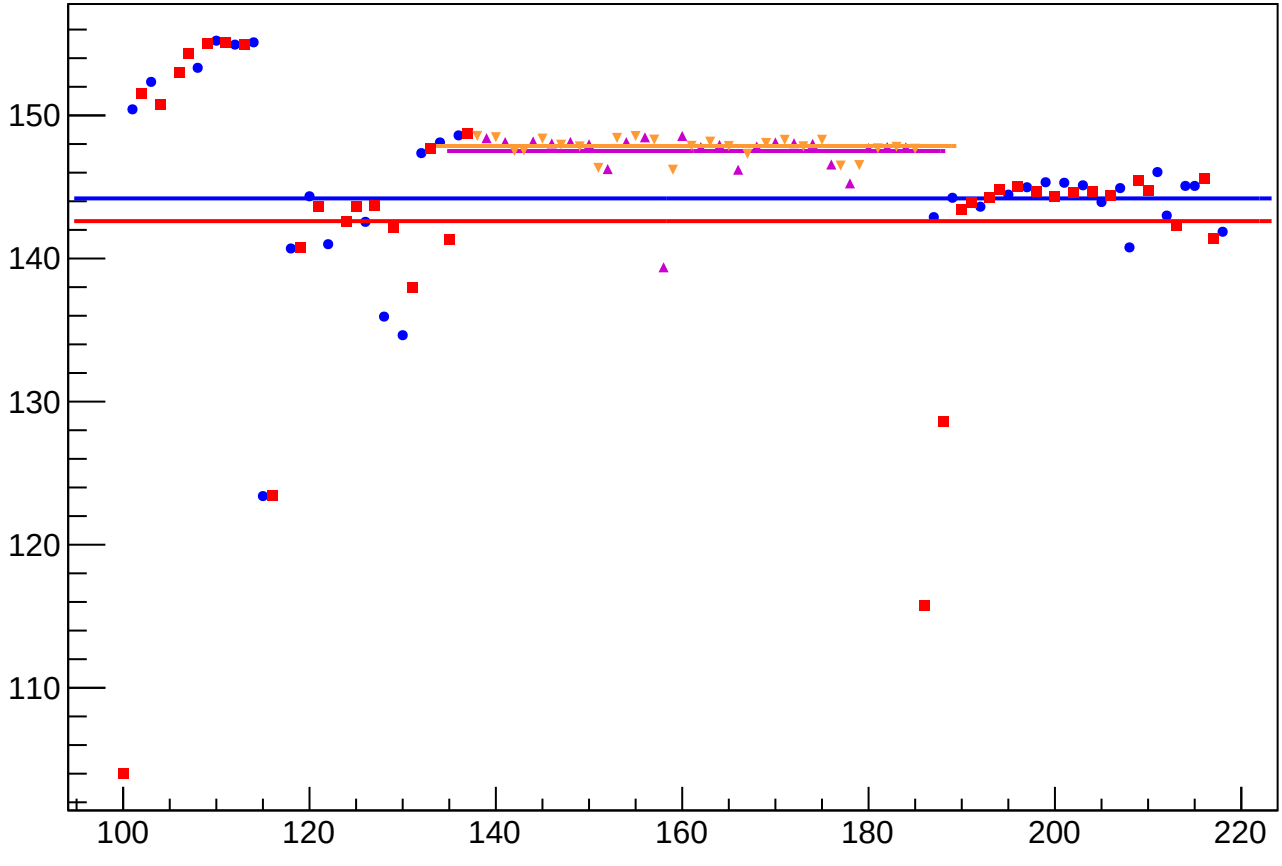
Right: 30.013+/-0.003 χ^2/NDF: 6860303.0/67

In: 30.658+/-0.004 χ^2/NDF:3404373.9/54

Out: 30.662+/-0.004 χ^2/NDF:3675989.2/60

All: 30.660+/-0.003 χ^2/NDF: 7080363.7/115

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: 142.613+/-0.000 χ^2/NDF: 7600007128.3/35

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

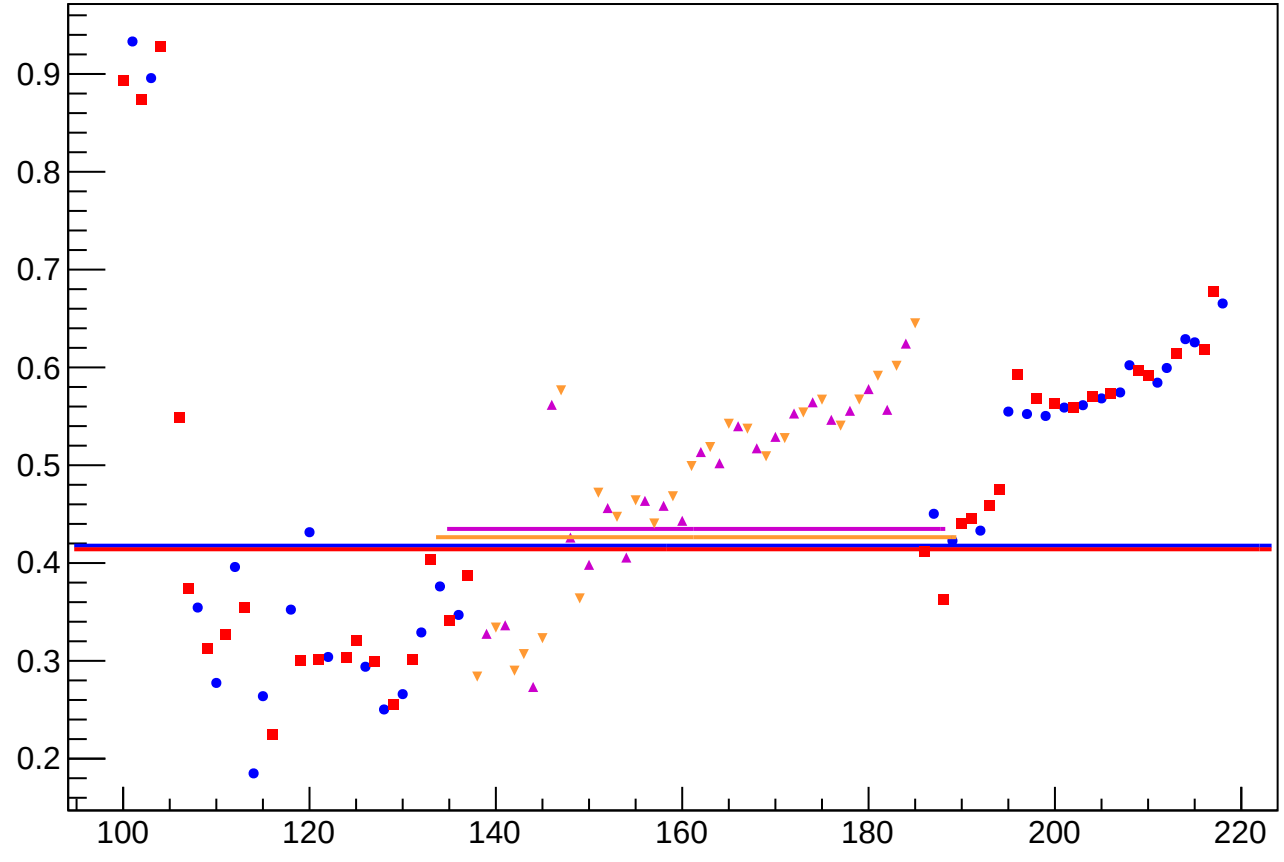
Right: 143.385+/-0.000 χ^2/NDF: 11518352977.1/67

In: 145.782+/-0.000 χ^2/NDF:4609030910.4/54

Out: 145.161+/-0.000 χ^2/NDF:9022248499.6/60

All: 145.461+/-0.000 χ^2/NDF: 13668574092.

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: 0.414+/-0.000 χ^2/NDF: 3916587.9/35

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

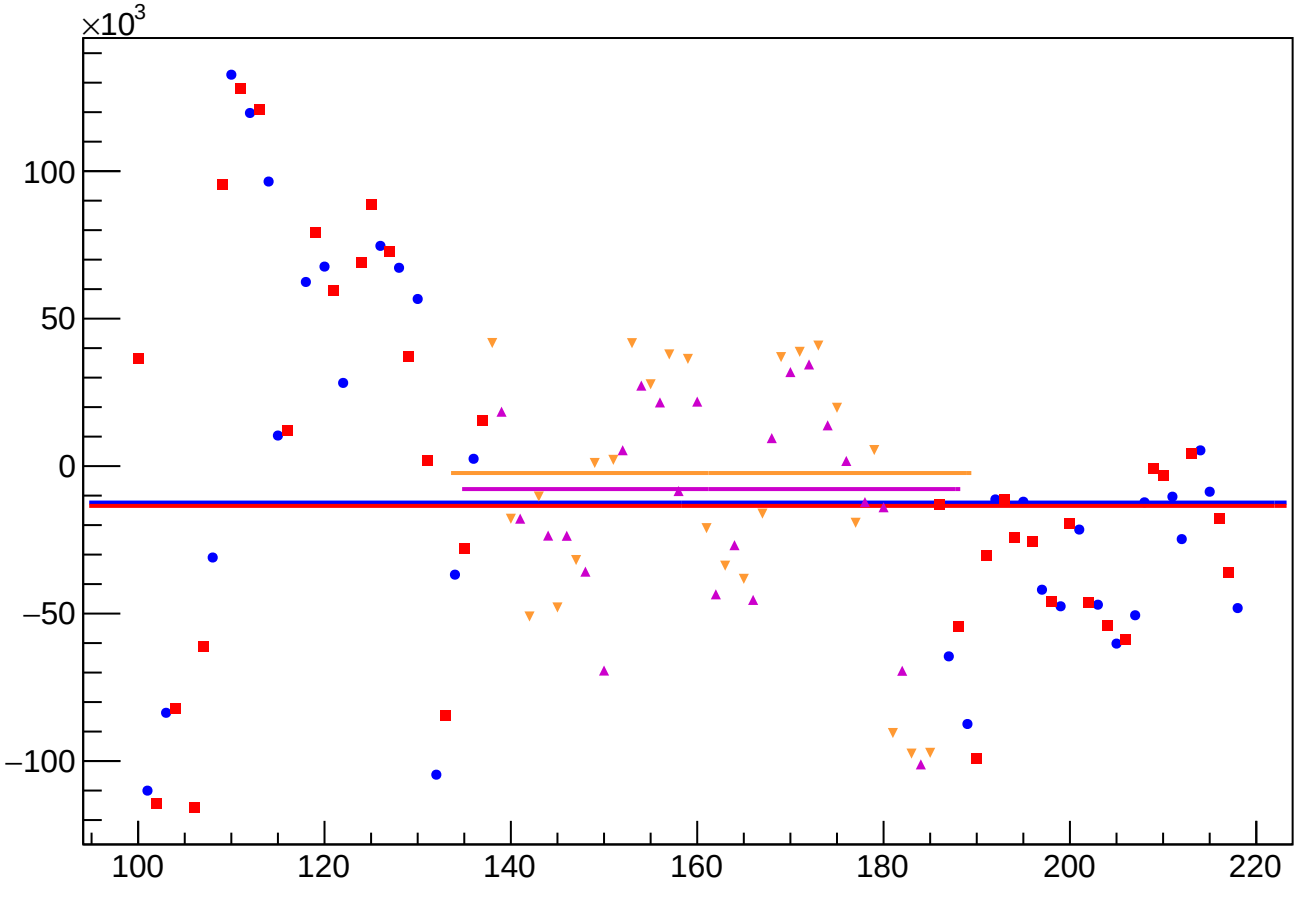
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.416+/-0.000 χ^2/NDF: 8173553.1/67

In: 0.426+/-0.000 χ^2/NDF:6057854.0/54

Out: 0.420+/-0.000 χ^2/NDF:6191073.0/60

All: 0.423+/-0.000 χ^2/NDF: 12255592.8/115



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: -13486.605+/-1.193 χ^2/NDF: 2416590160.3/35

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

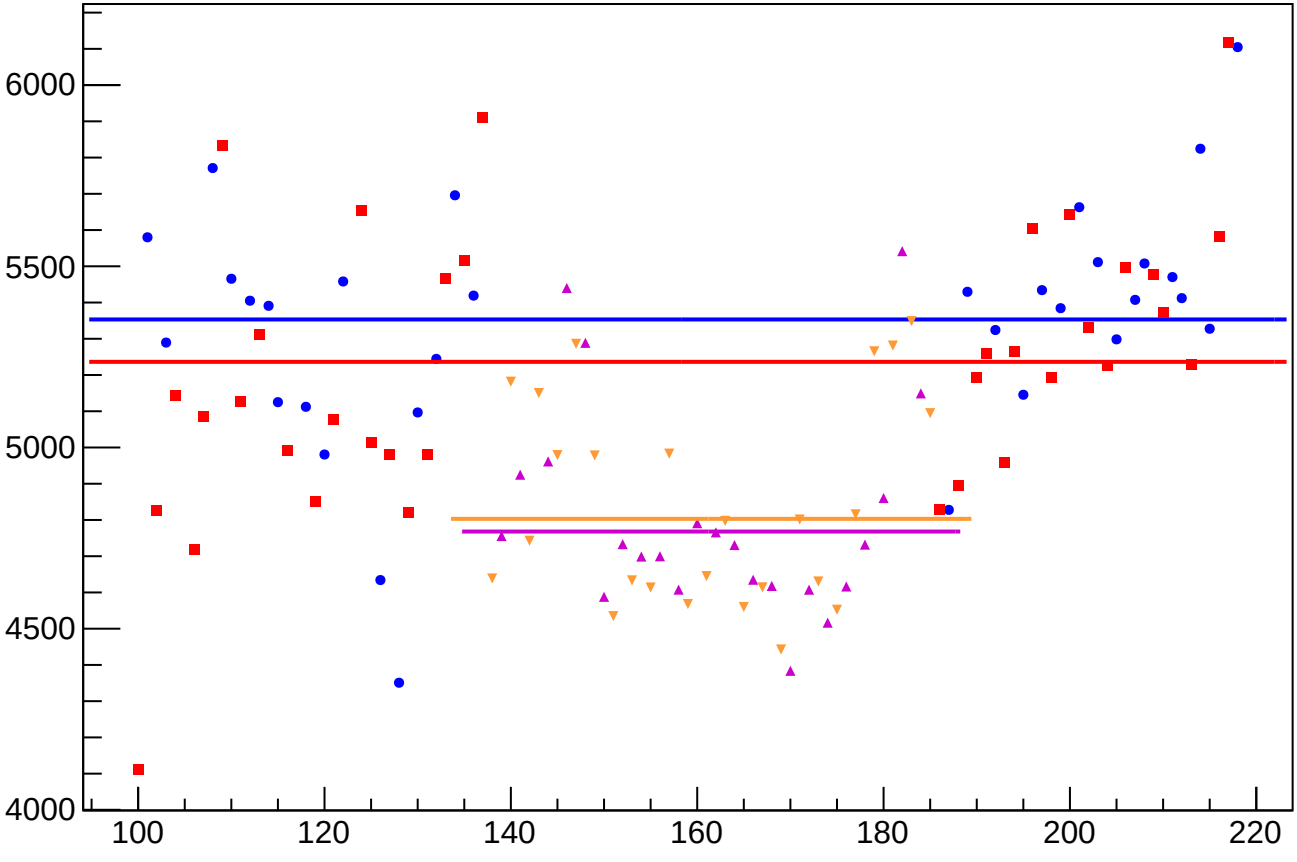
Right: -12943.376+/-0.859 χ^2/NDF: 4392853609.3/

In: -9894.451+/-0.840 χ^2/NDF:2745679629.8/54

Out: -7581.152+/-0.818 χ^2/NDF:3692859381.2/60

All: -8706.293+/-0.586 χ^2/NDF: 6442431058

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: 5236.362+/-0.843 χ^2/NDF: 152590.5/35

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

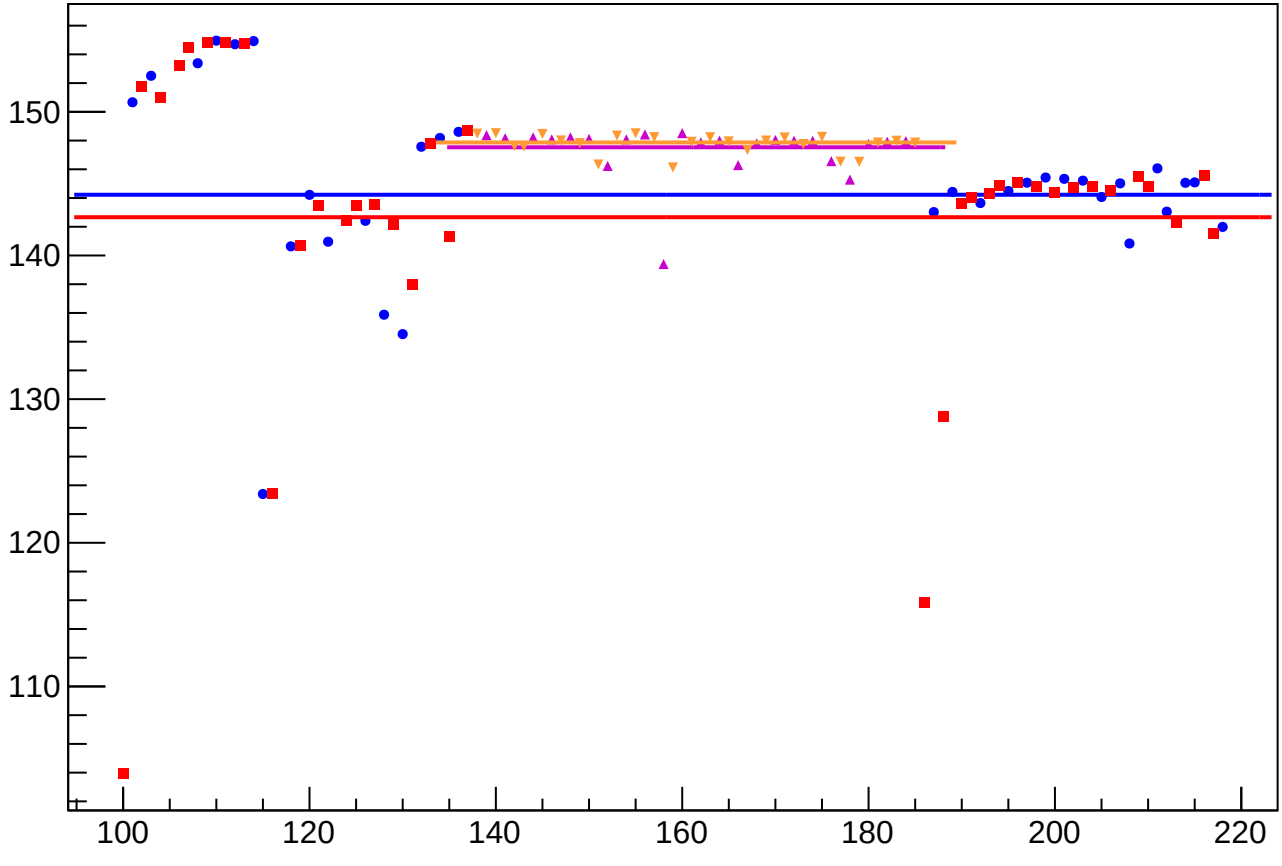
Right: 5292.671+/-0.607 χ^2/NDF: 301663.1/67

In: 5037.801+/-0.594 χ^2/NDF:483196.5/54

Out: 5006.740+/-0.578 χ^2/NDF:407091.6/60

All: 5021.847+/-0.414 χ^2/NDF: 891691.5/115

yield_bcm_an_ds_mean vs Slug, Sign Corrected



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: 142.663+/-0.000 χ^2/NDF: 7575131435.8/35

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

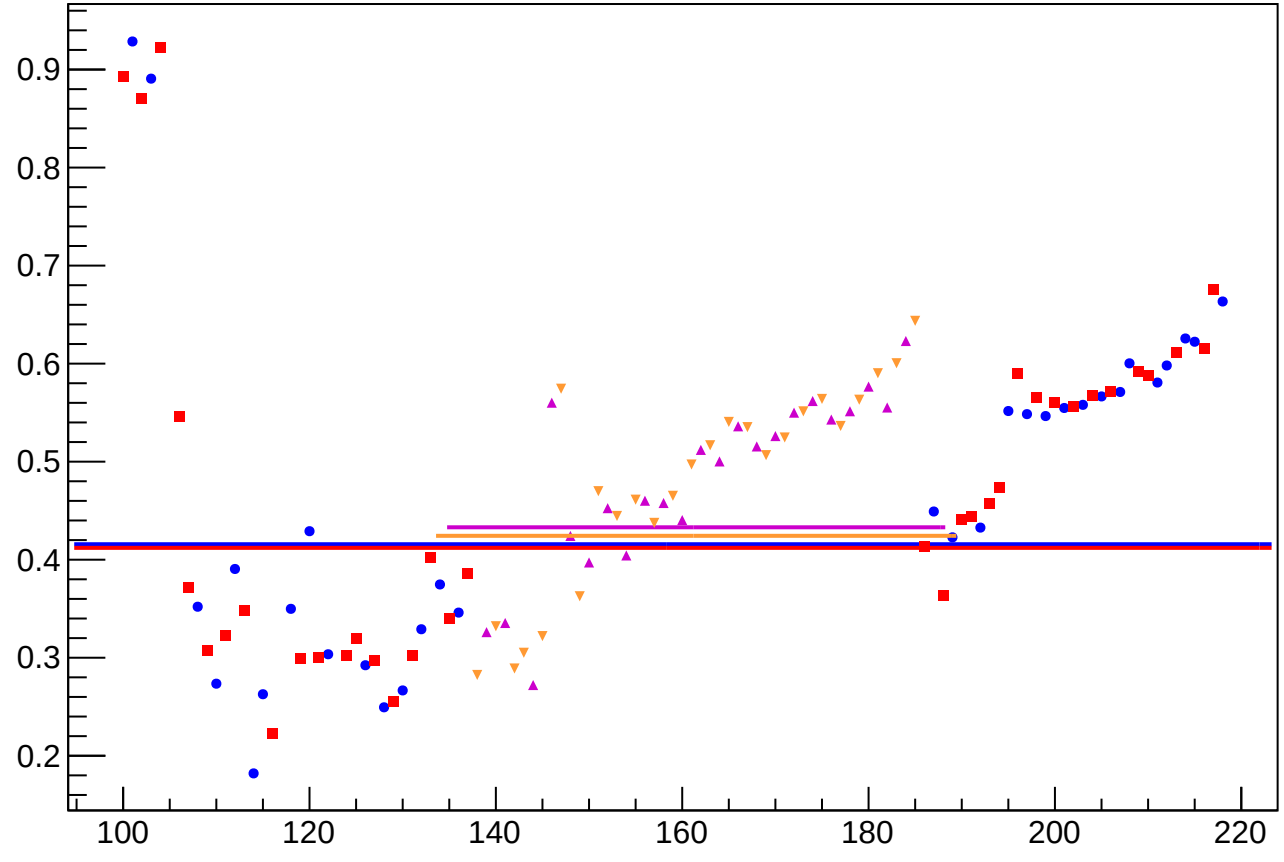
Right: 143.424+/-0.000 χ^2/NDF: 11531237768.2/67

In: 145.806+/-0.000 χ^2/NDF:4652636801.7/54

Out: 145.190+/-0.000 χ^2/NDF:8986366507.4/60

All: 145.487+/-0.000 χ^2/NDF: 13675898787.

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: 0.412+/-0.000 χ^2/NDF: 3923707.6/35

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

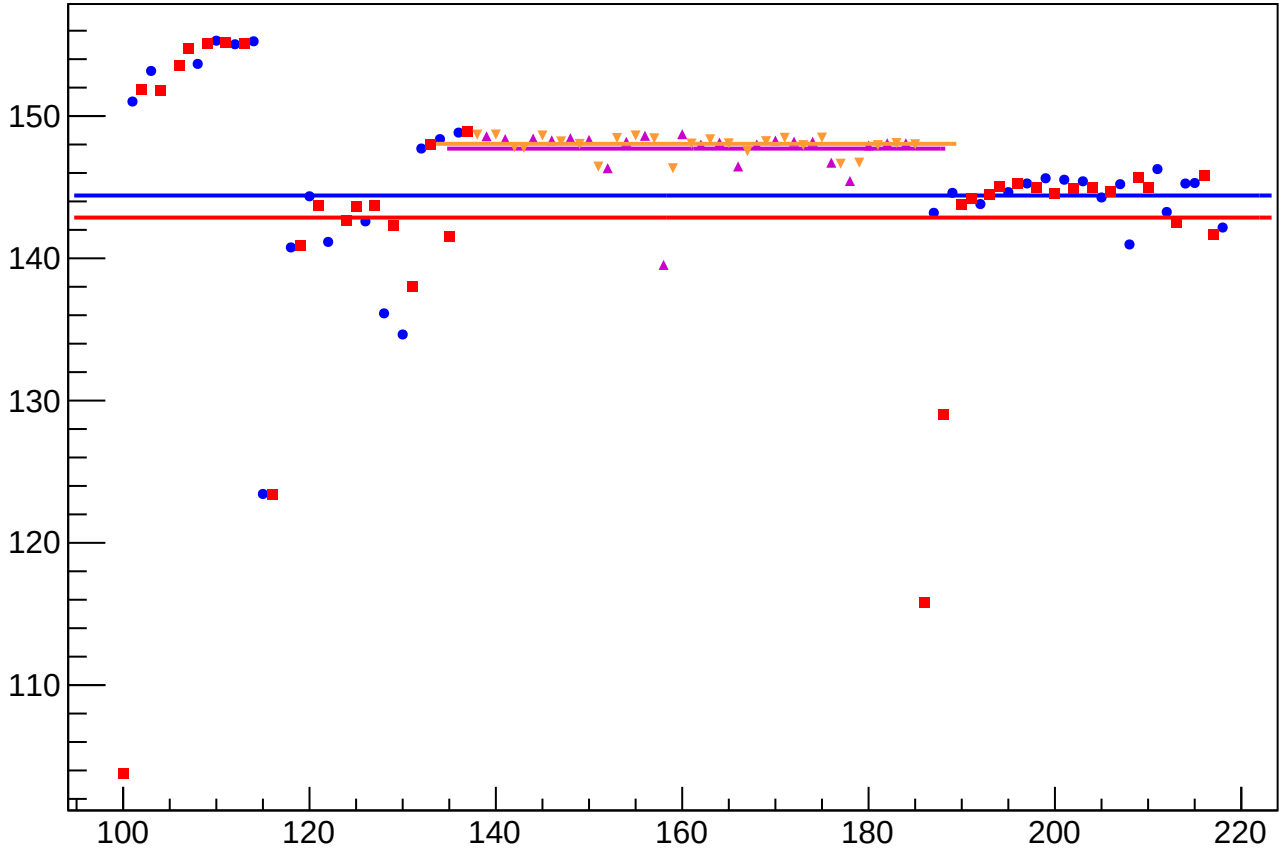
Right: 0.414+/-0.000 χ^2/NDF: 8180601.4/67

In: 0.424+/-0.000 χ^2/NDF:6054685.4/54

Out: 0.418+/-0.000 χ^2/NDF:6199632.1/60

All: 0.421+/-0.000 χ^2/NDF: 12261301.5/115

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



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: 142.864+/-0.000 χ^2/NDF: 7509477620.8/35

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

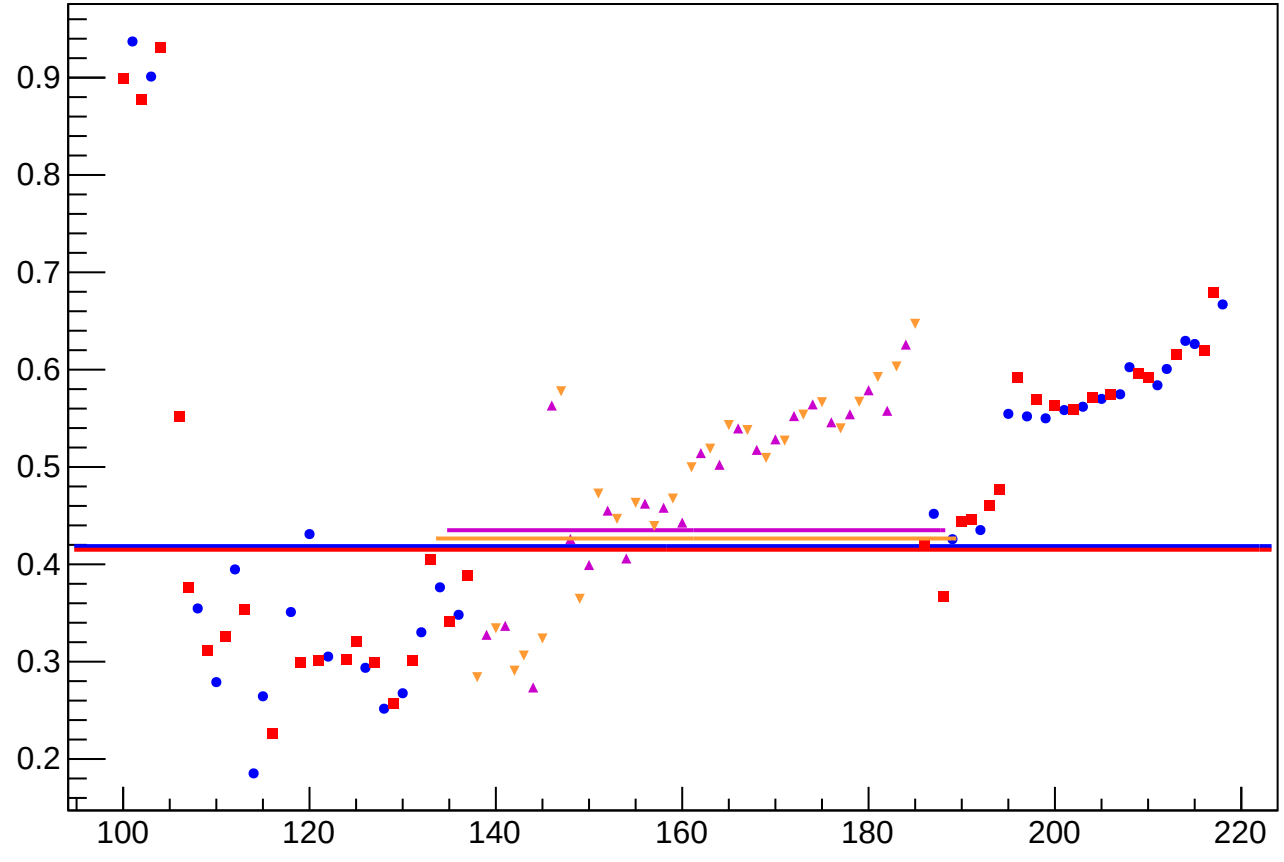
Right: 143.618+/-0.000 χ^2/NDF: 11456266006.6/67

In: 145.993+/-0.000 χ^2/NDF:4643320286.1/54

Out: 145.386+/-0.000 χ^2/NDF:8893808311.5/60

All: 145.679+/-0.000 χ^2/NDF: 13572594555.

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: 0.415+/-0.000 χ^2/NDF: 3914130.6/35

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

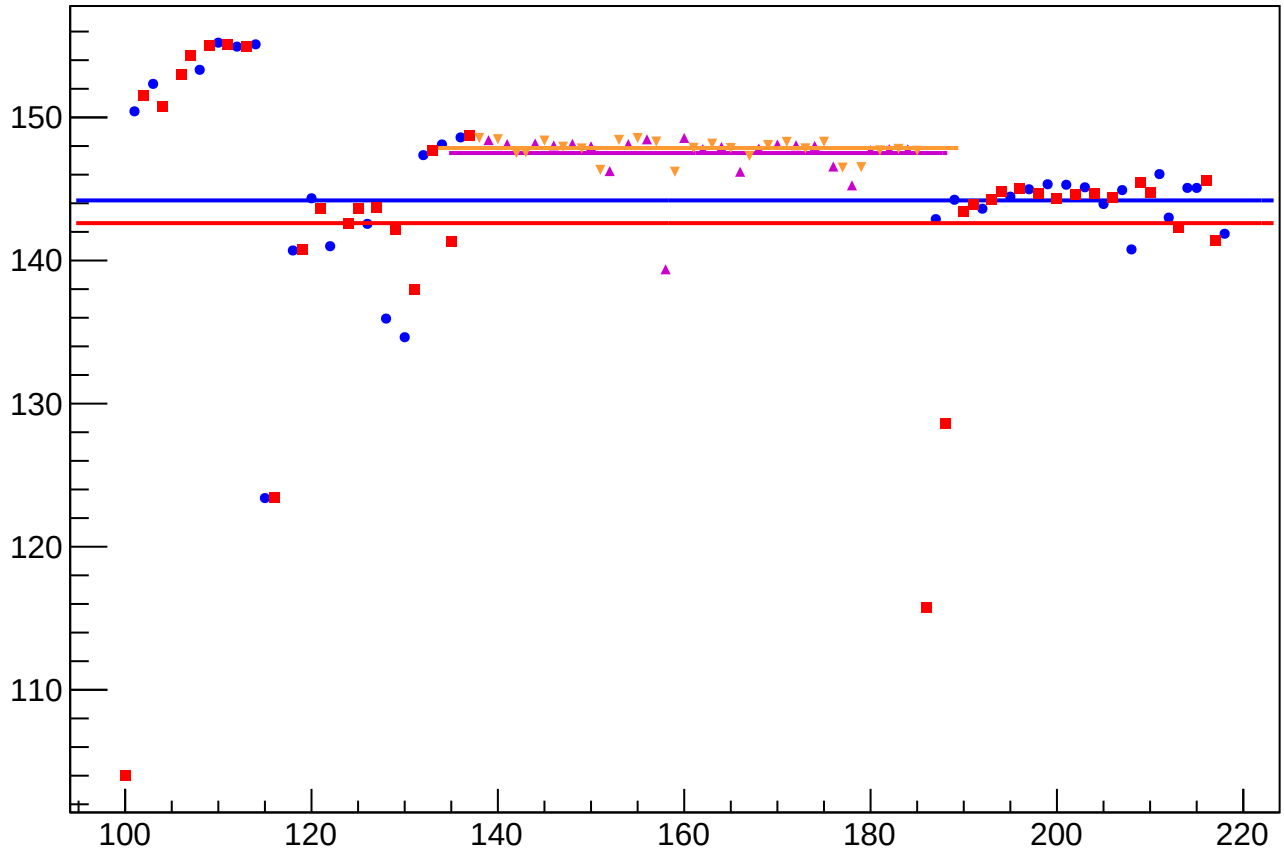
Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

Right: 0.417+/-0.000 χ^2/NDF: 8152315.7/67

In: 0.427+/-0.000 χ^2/NDF:6031356.4/54

Out: 0.421+/-0.000 χ^2/NDF:6184902.4/60

All: 0.423+/-0.000 χ^2/NDF: 12222987.9/115



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: 142.613+/-0.000 χ^2/NDF: 7600007128.3/35

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

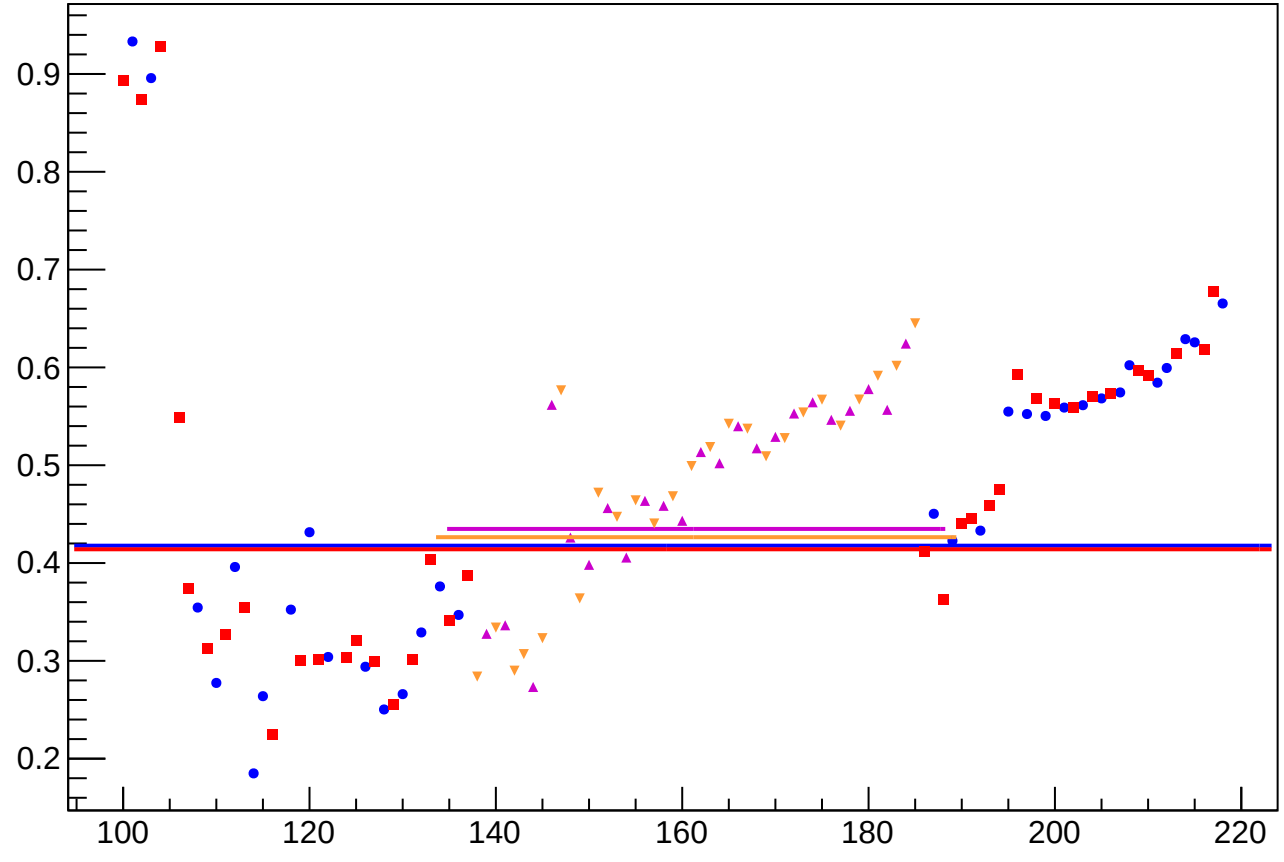
Right: 143.385+/-0.000 χ^2/NDF: 11518352977.1/67

In: 145.782+/-0.000 χ^2/NDF:4609030910.4/54

Out: 145.161+/-0.000 χ^2/NDF:9022248499.6/60

All: 145.461+/-0.000 χ^2/NDF: 13668574092.

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: 0.414+/-0.000 χ^2/NDF: 3916587.9/35

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

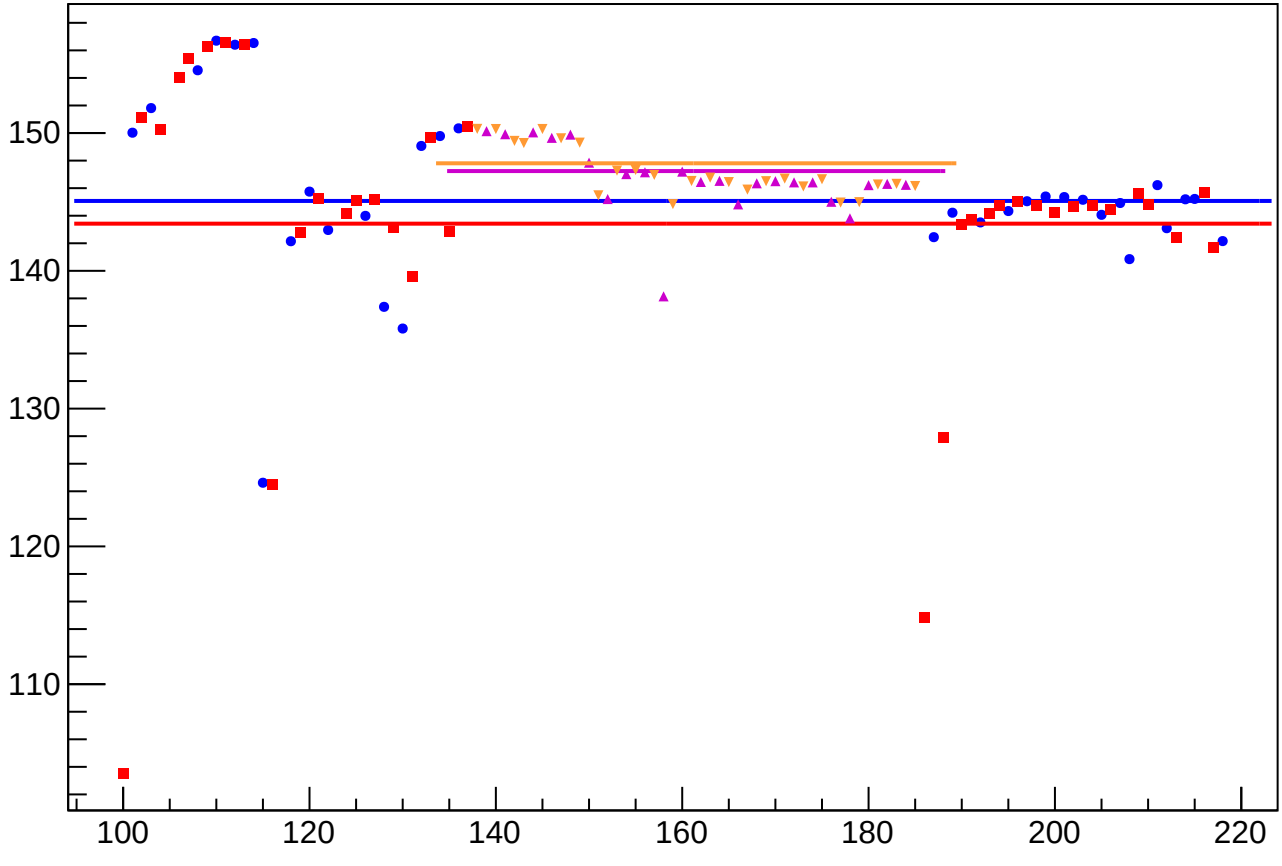
Right: 0.416+/-0.000 χ^2/NDF: 8173553.1/67

In: 0.426+/-0.000 χ^2/NDF:6057854.0/54

Out: 0.420+/-0.000 χ^2/NDF:6191073.0/60

All: 0.423+/-0.000 χ^2/NDF: 12255592.8/115

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: 143.423+/-0.000 χ^2/NDF: 7648240830.6/35

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

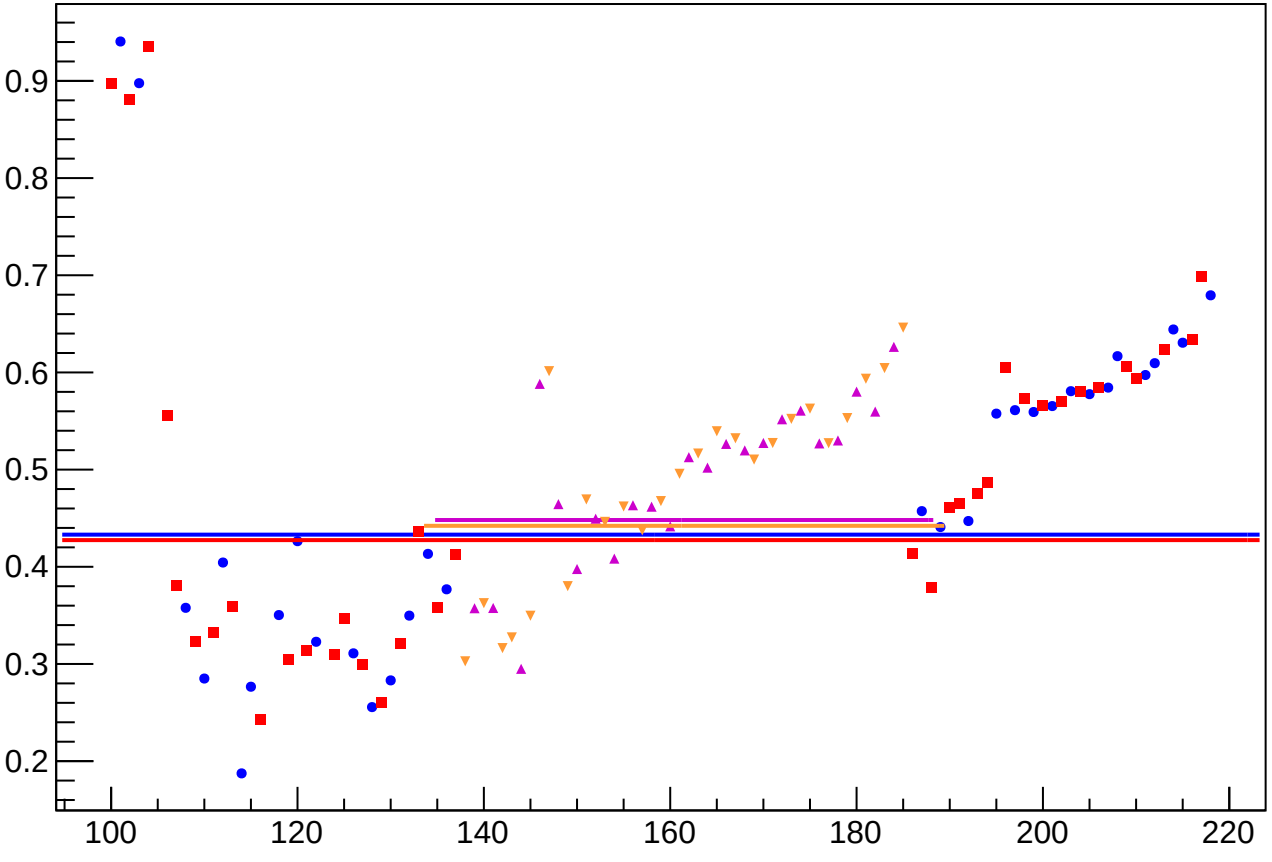
Right: 144.222+/-0.000 χ^2/NDF: 11365132586.7/67

In: 146.119+/-0.000 χ^2/NDF:4414800991.1/54

Out: 145.551+/-0.000 χ^2/NDF:8877874559.8/60

All: 145.826+/-0.000 χ^2/NDF: 13322048036.

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: 0.427+/-0.000 χ^2/NDF: 3732788.7/35

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

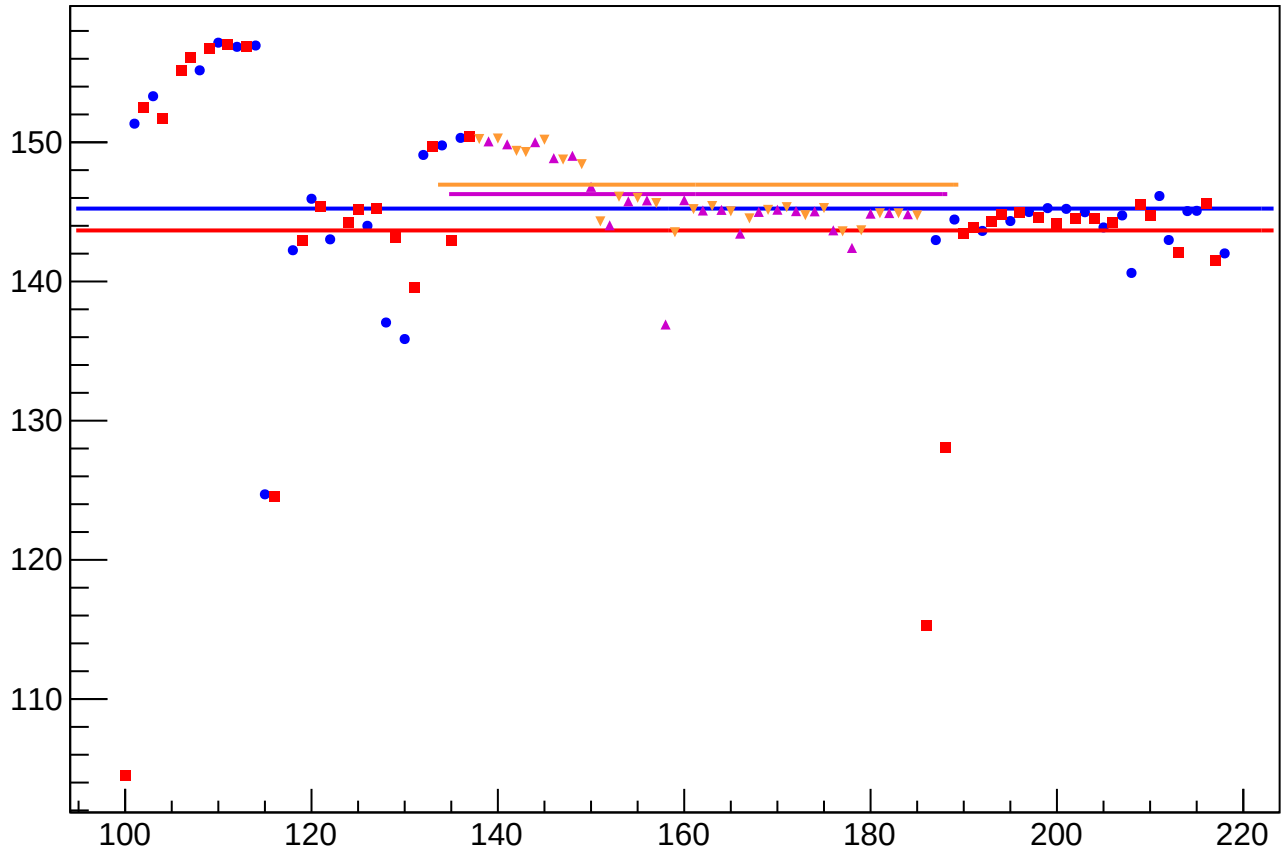
Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

Right: 0.430+/-0.000 χ^2/NDF: 7749183.3/67

In: 0.440+/-0.000 χ^2/NDF:5381158.7/54

Out: 0.435+/-0.000 χ^2/NDF:5457377.6/60

All: 0.437+/-0.000 χ^2/NDF: 10844554.7/115



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: 143.667+/-0.000 χ^2/NDF: 7704709678.5/35

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

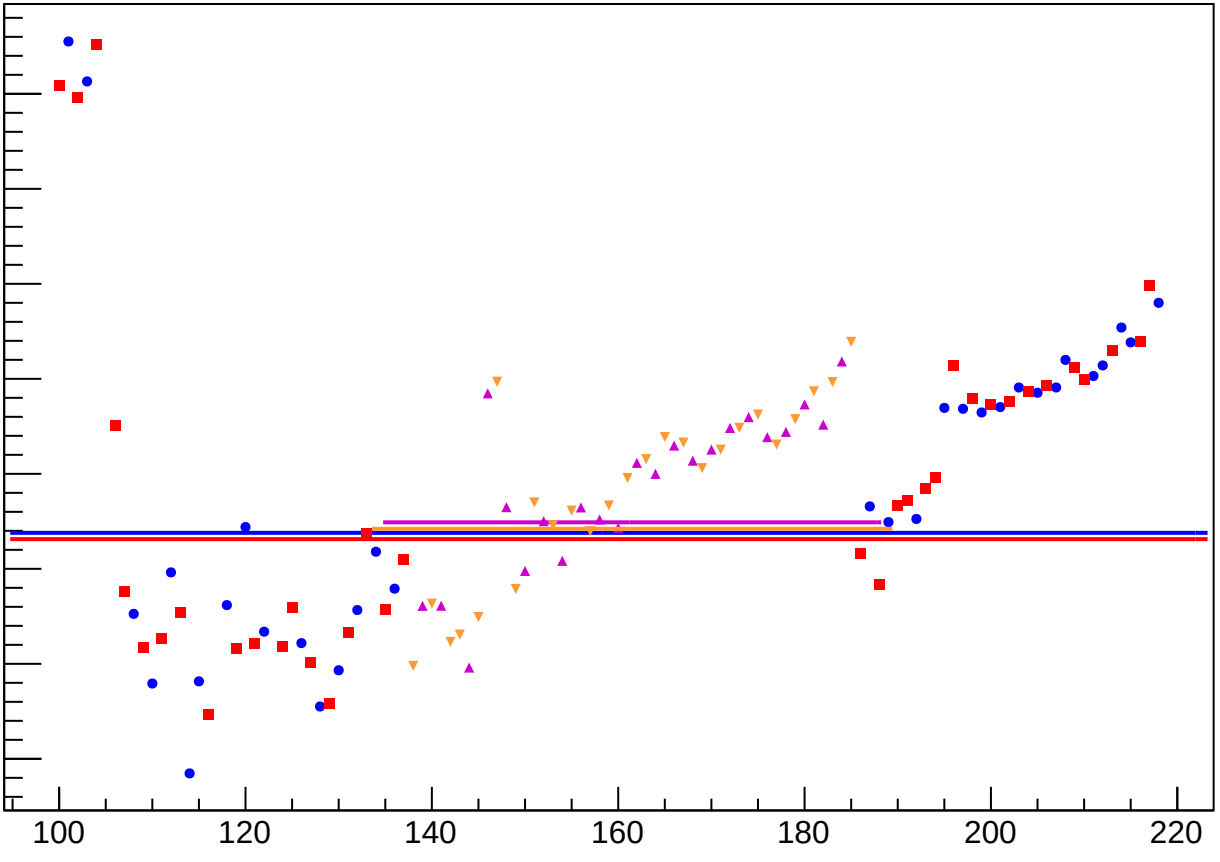
Right: 144.426+/-0.000 χ^2/NDF: 11572137750.0/67

In: 145.745+/-0.000 χ^2/NDF:4626325536.3/54

Out: 145.281+/-0.000 χ^2/NDF:8751262522.2/60

All: 145.505+/-0.000 χ^2/NDF: 13396983675.

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: 0.431+/-0.000 χ^2/NDF: 3753380.3/35

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

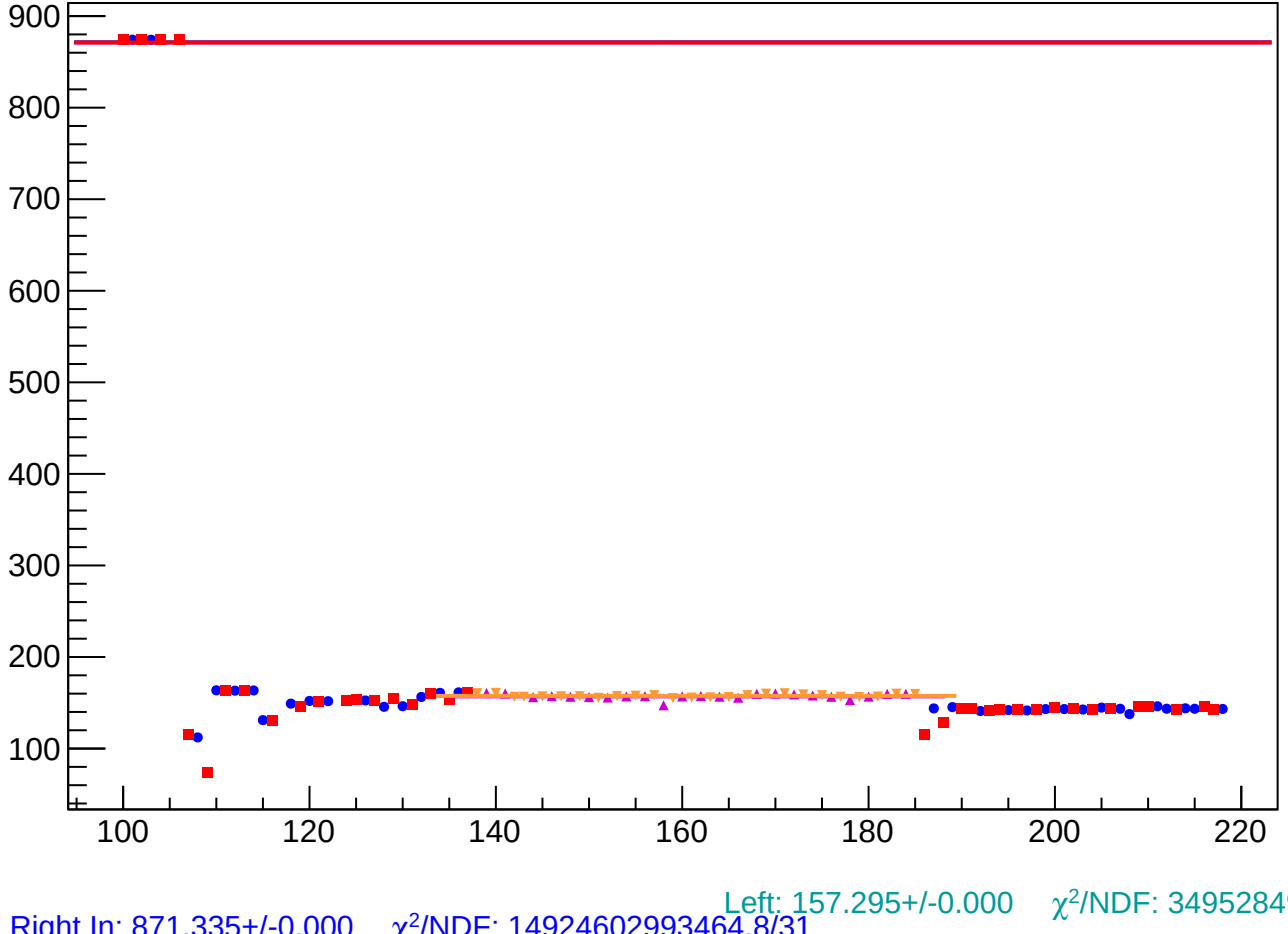
Right: 0.434+/-0.000 χ^2/NDF: 7796388.0/67

In: 0.443+/-0.000 χ^2/NDF:5350231.8/54

Out: 0.437+/-0.000 χ^2/NDF:5441065.2/60

All: 0.440+/-0.000 χ^2/NDF: 10799390.2/115

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: 871.178+/-0.000 χ^2/NDF: 18173251076504.9/35

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

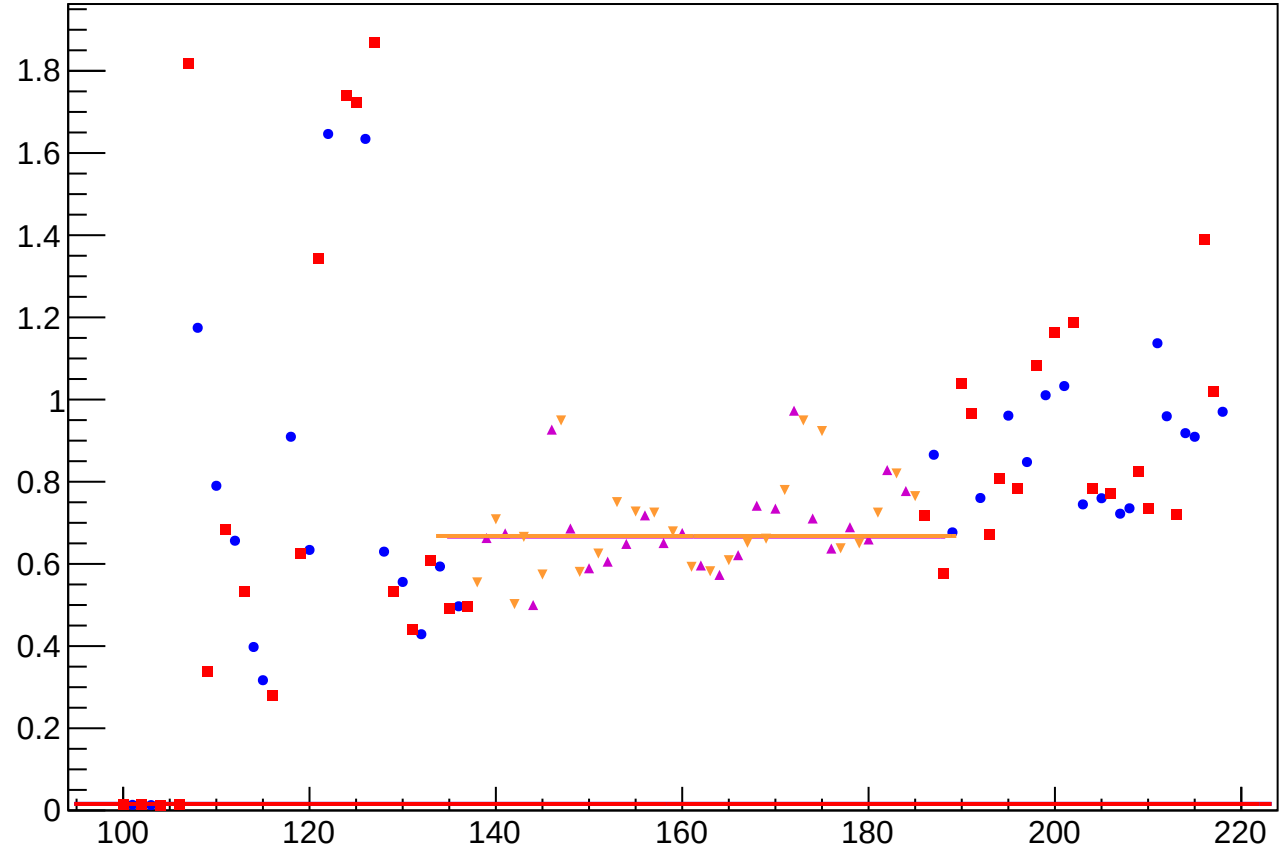
Right: 871.251+/-0.000 χ^2/NDF: 33097948508865.

In: 868.107+/-0.000 χ^2/NDF:31386876244580.1/

Out: 868.251+/-0.000 χ^2/NDF:35356050603900.8

All: 868.184+/-0.000 χ^2/NDF: 667430060417

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: 31144482.6/35

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

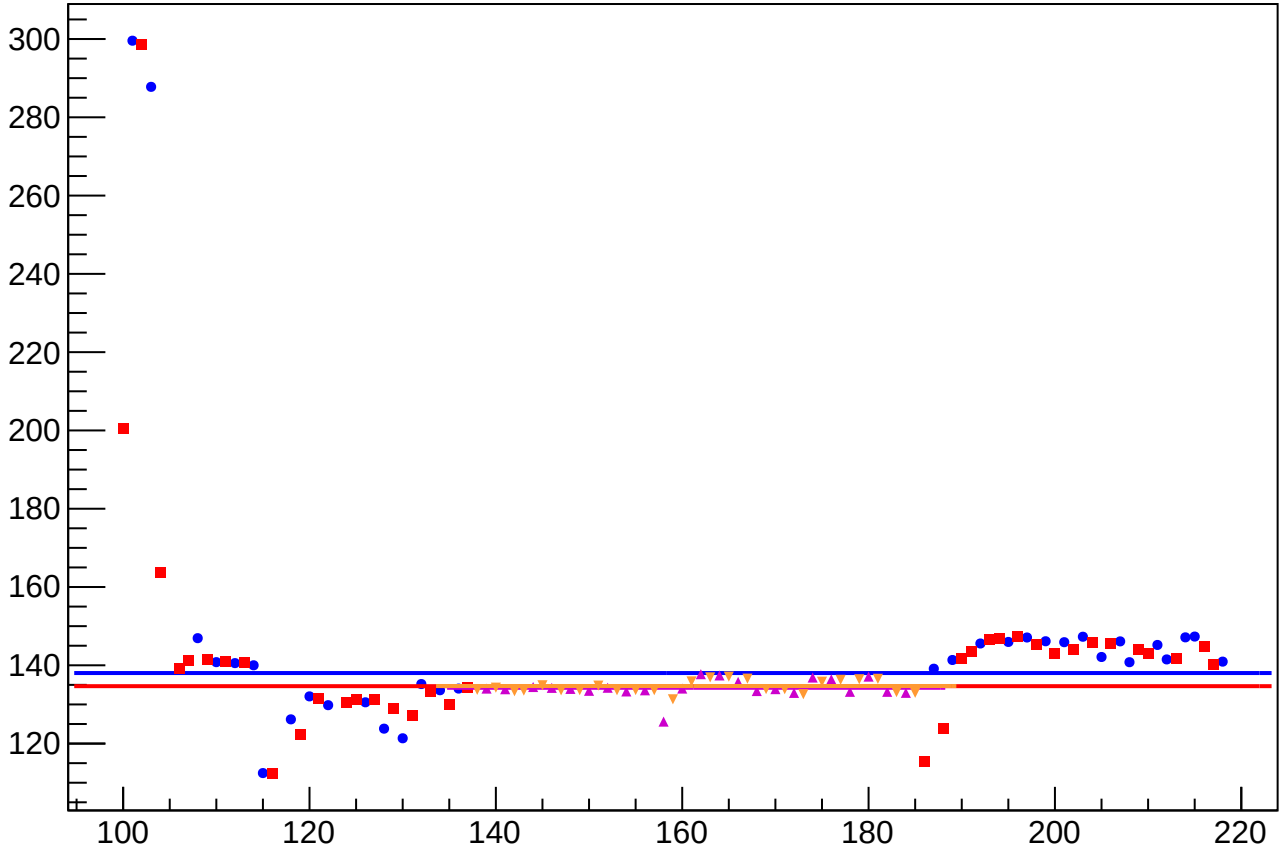
Right: 0.016+/-0.000 χ^2/NDF: 61070254.3/67

In: 0.019+/-0.000 χ^2/NDF:57756386.0/54

Out: 0.019+/-0.000 χ^2/NDF:60525144.2/60

All: 0.019+/-0.000 χ^2/NDF: 118283346.3/115

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: 134.669+/-0.000 χ^2/NDF: 5539726651.9/35

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

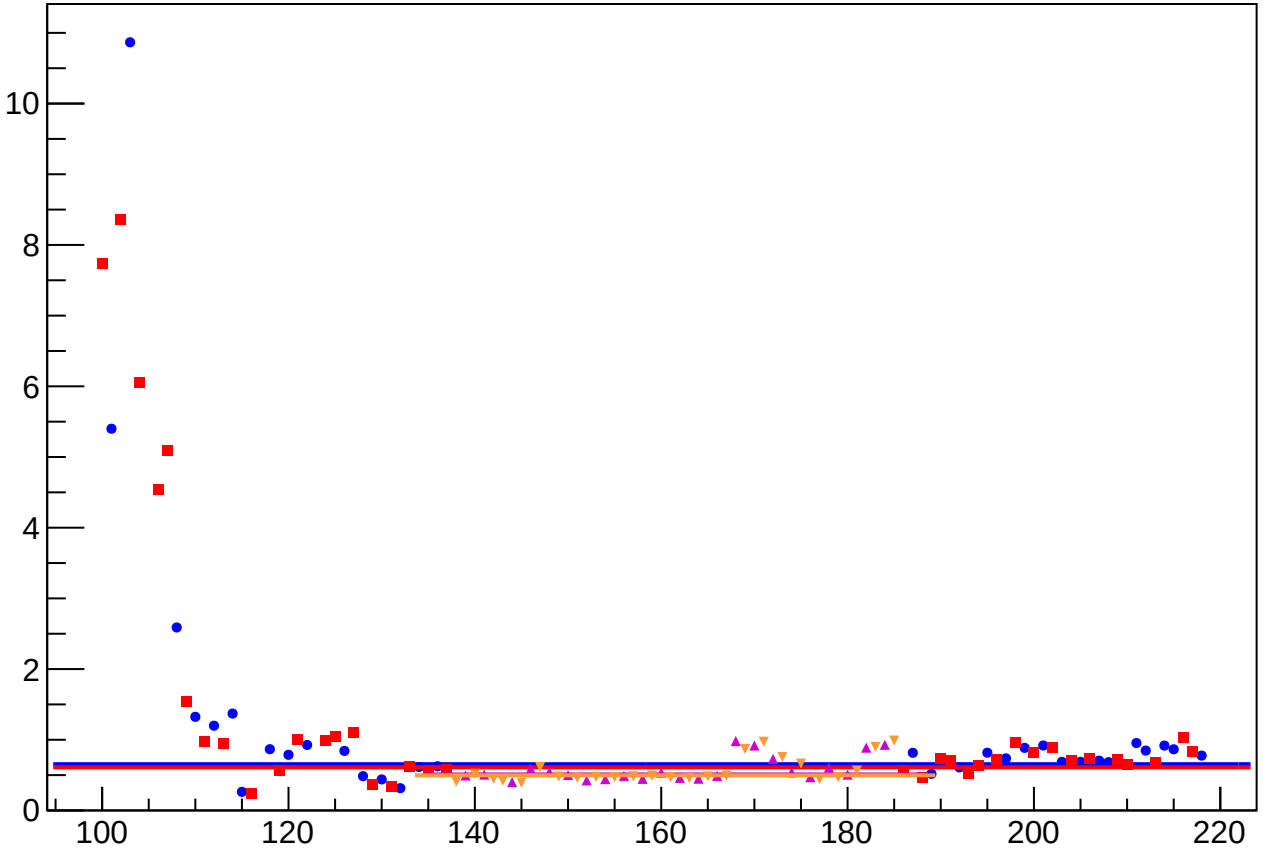
Right: 136.213+/-0.000 χ^2/NDF: 9482357942.9/67

In: 135.578+/-0.000 χ^2/NDF:4487676578.1/54

Out: 134.697+/-0.000 χ^2/NDF:5699662510.9/60

All: 135.111+/-0.000 χ^2/NDF: 10225770973.

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: 0.610+/-0.000 χ^2/NDF: 6400051.5/35

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

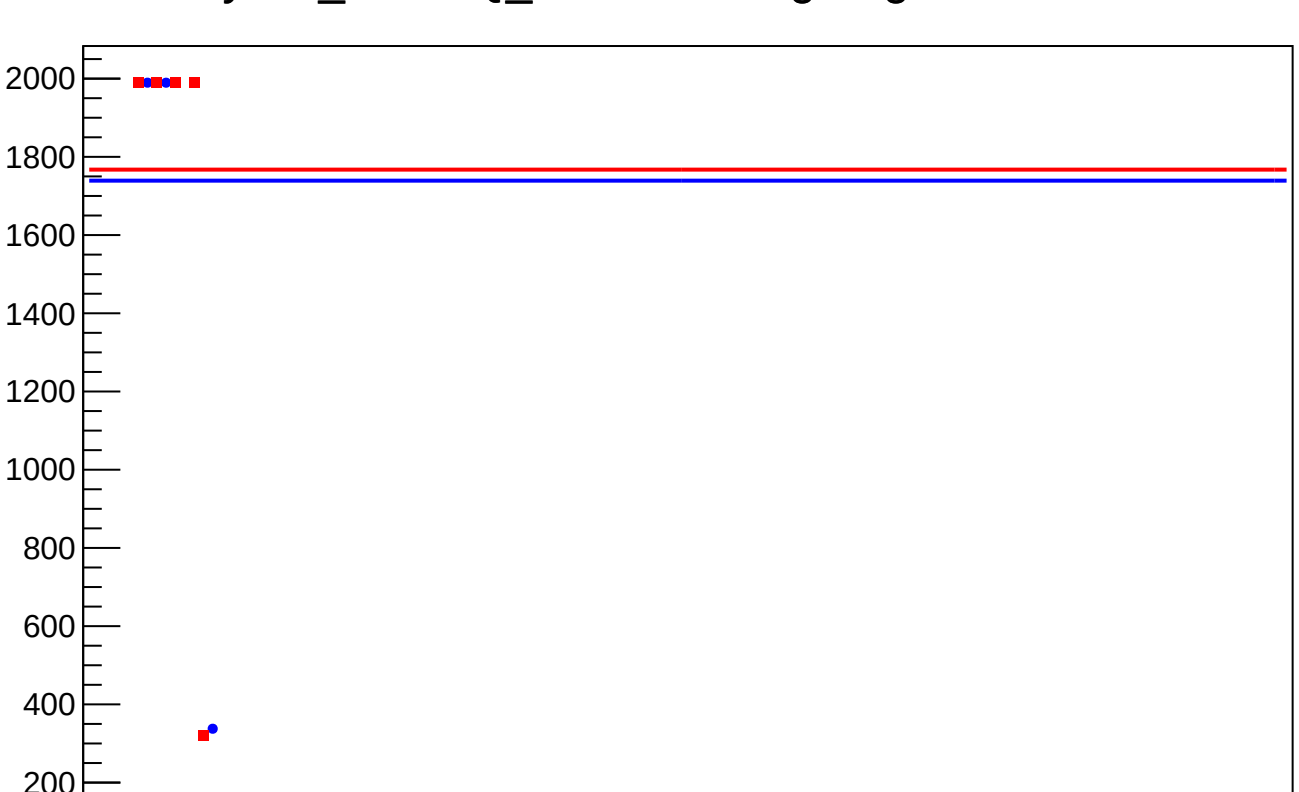
Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

Right: 0.631+/-0.000 χ^2/NDF: 11916286.2/67

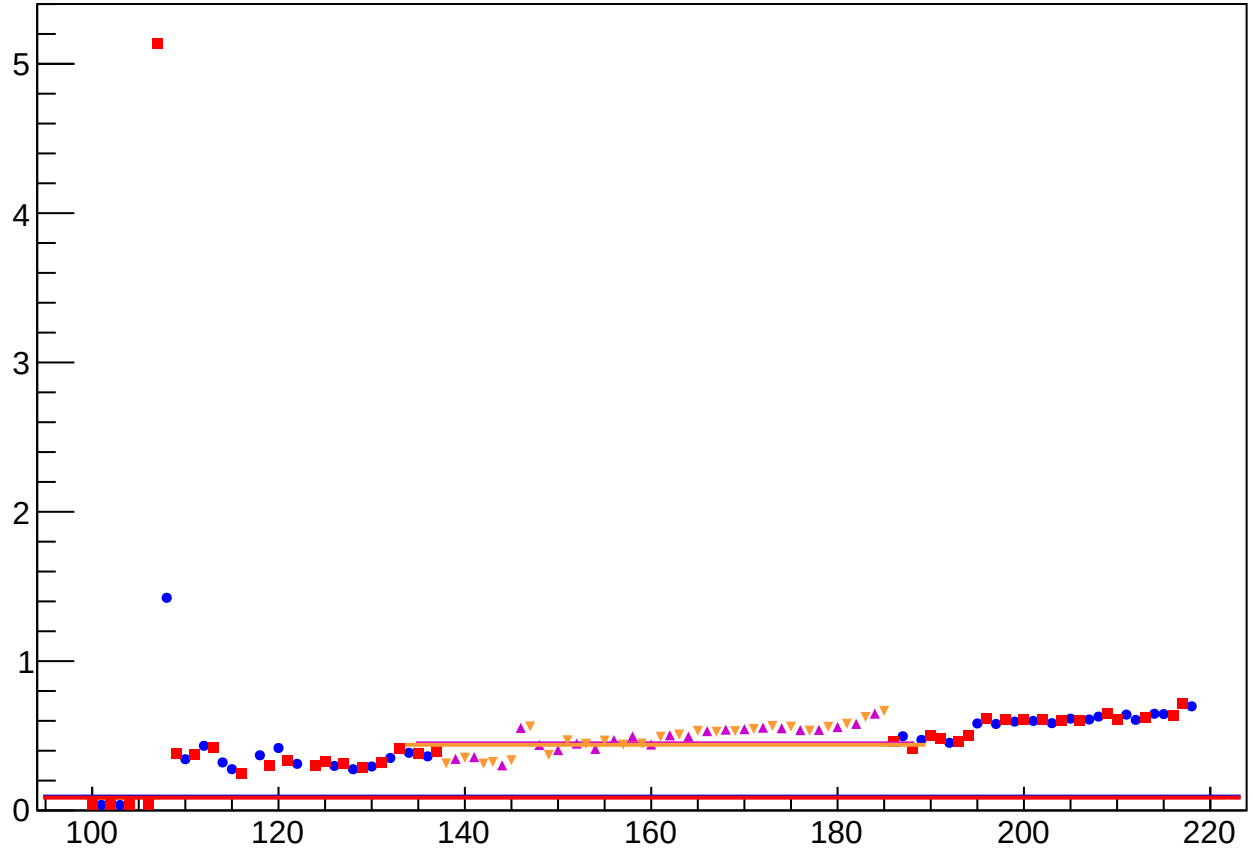
In: 0.561+/-0.000 χ^2/NDF:7827814.1/54

Out: 0.538+/-0.000 χ^2/NDF:8602891.4/60

All: 0.549+/-0.000 χ^2/NDF: 16479815.1/115


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: 1767.353+/-0.000 χ²/NDF: 256062343180723.6/35
Left In: 137.349+/-0.000 χ²/NDF:248752254.7/22
Left: 137.469+/-0.000 χ²/NDF: 315189054.5/47
Right: 1754.320+/-0.000 χ²/NDF: 49956843845454
In: 1542.431+/-0.000 χ²/NDF:434284574958011.
Out: 1578.005+/-0.000 χ²/NDF:474023608603345
All: 1561.506+/-0.000 χ²/NDF: 9087772052

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: 0.086+/-0.000 χ^2/NDF: 27354116.5/35

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

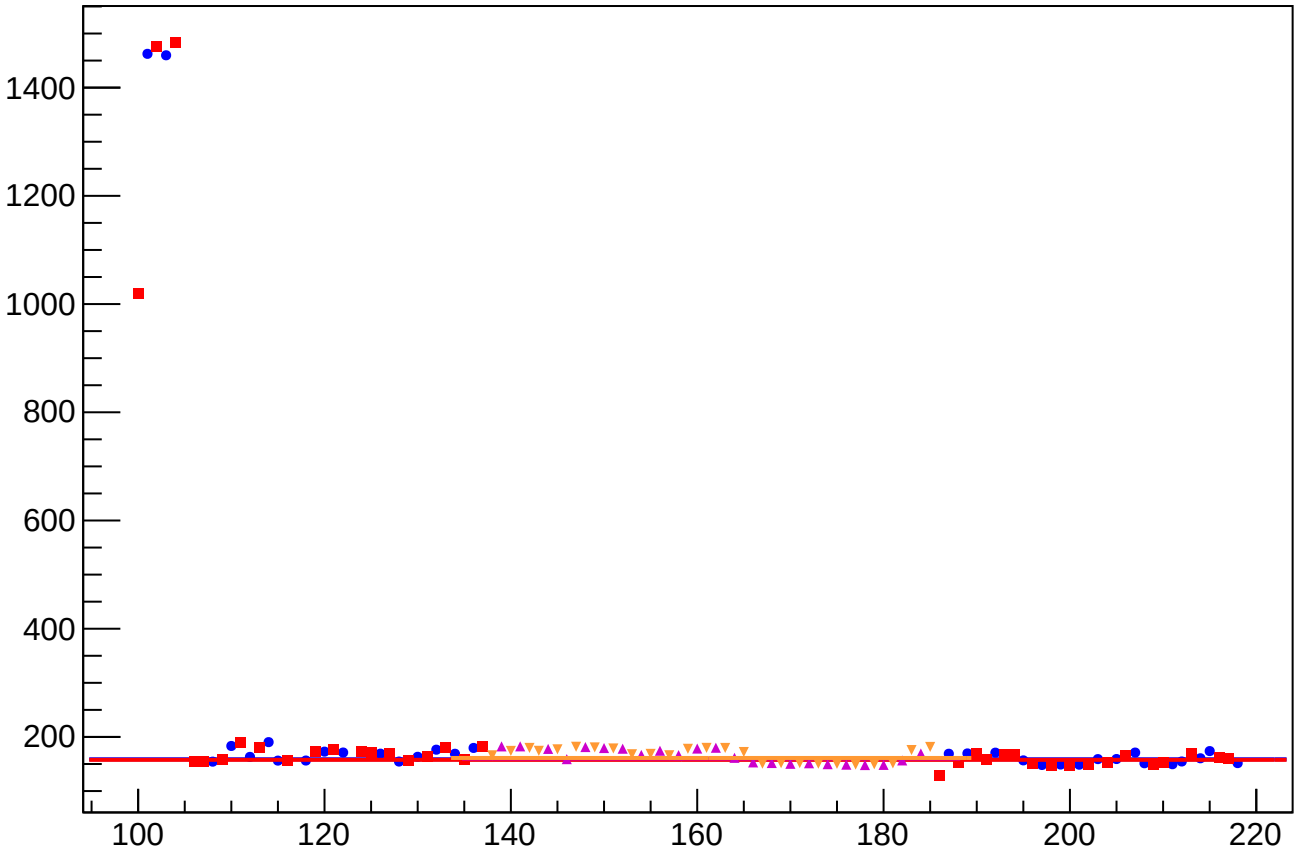
Right: 0.089+/-0.000 χ^2/NDF: 54383280.3/67

In: 0.137+/-0.000 χ^2/NDF:47261414.6/54

Out: 0.127+/-0.000 χ^2/NDF:49651760.6/60

All: 0.131+/-0.000 χ^2/NDF: 96981825.9/115

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: 157.697+/-0.000 χ^2/NDF: 18380147224.3/35

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

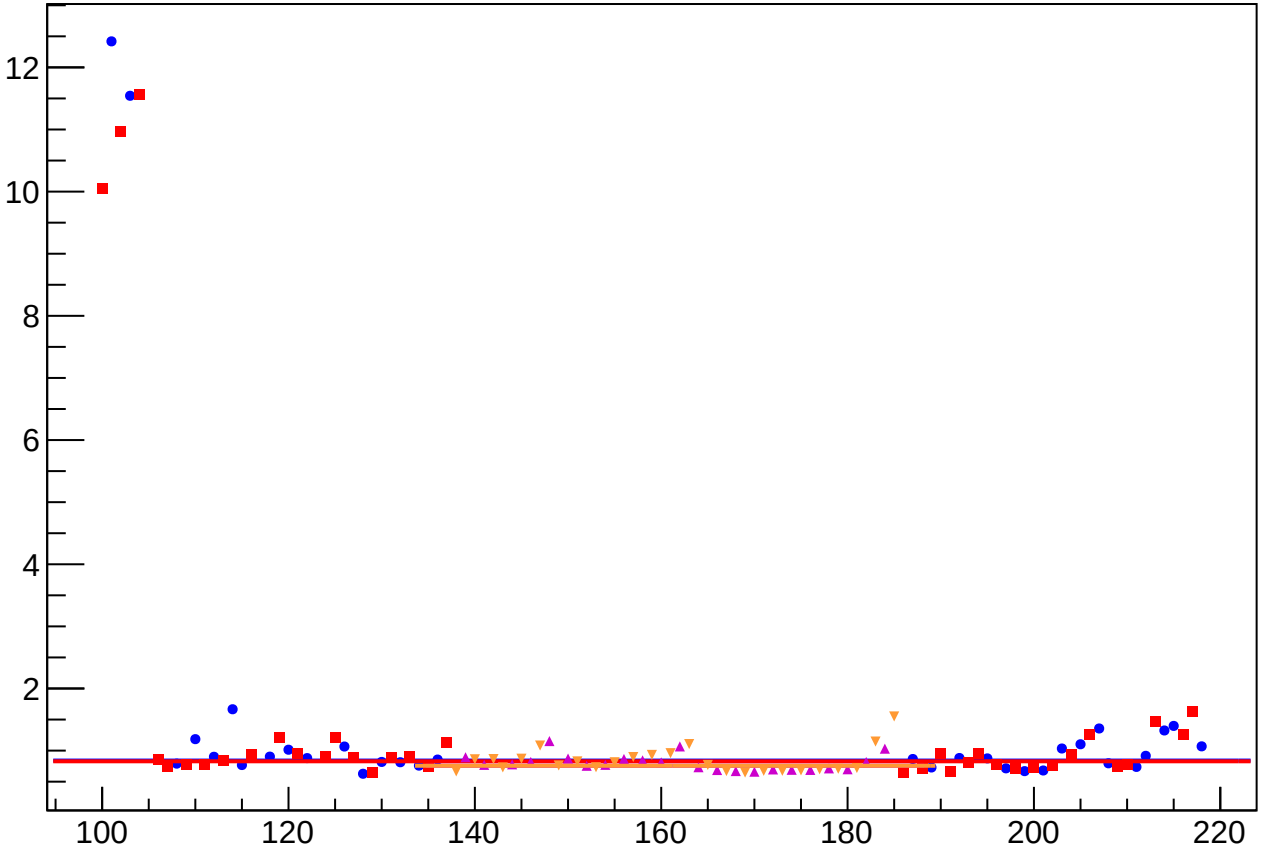
Right: 158.192+/-0.000 χ^2/NDF: 34481283111.3/67

In: 159.515+/-0.000 χ^2/NDF:19850012278.0/54

Out: 159.586+/-0.000 χ^2/NDF:22251242866.0/60

All: 159.552+/-0.000 χ^2/NDF: 42101366713.

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: 0.828+/-0.000 χ^2/NDF: 3243816.2/35

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

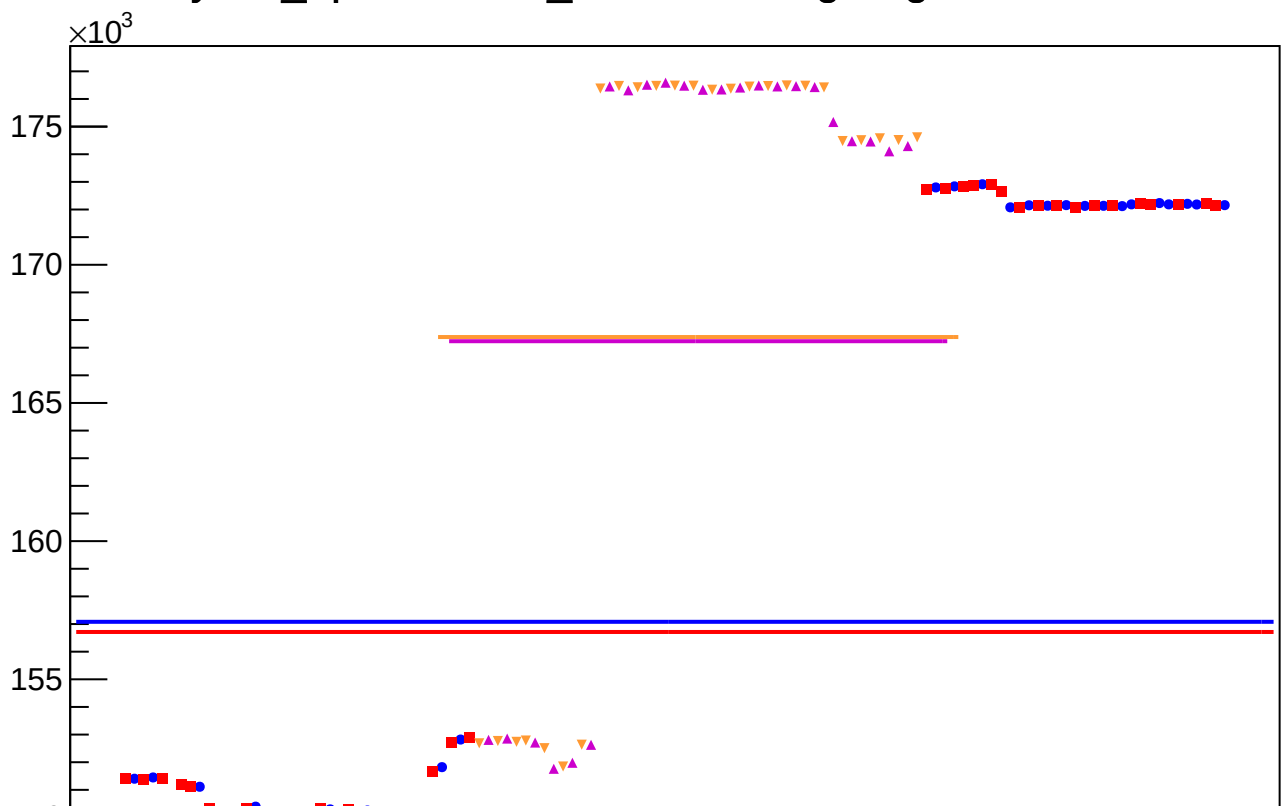
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.834+/-0.000 χ^2/NDF: 6548411.9/67

In: 0.793+/-0.000 χ^2/NDF:3922909.3/54

Out: 0.789+/-0.000 χ^2/NDF:4107825.9/60

All: 0.791+/-0.000 χ^2/NDF: 8031437.3/115



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: 156712.911+/-0.043 χ^2/NDF: 51776835641.8/35

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

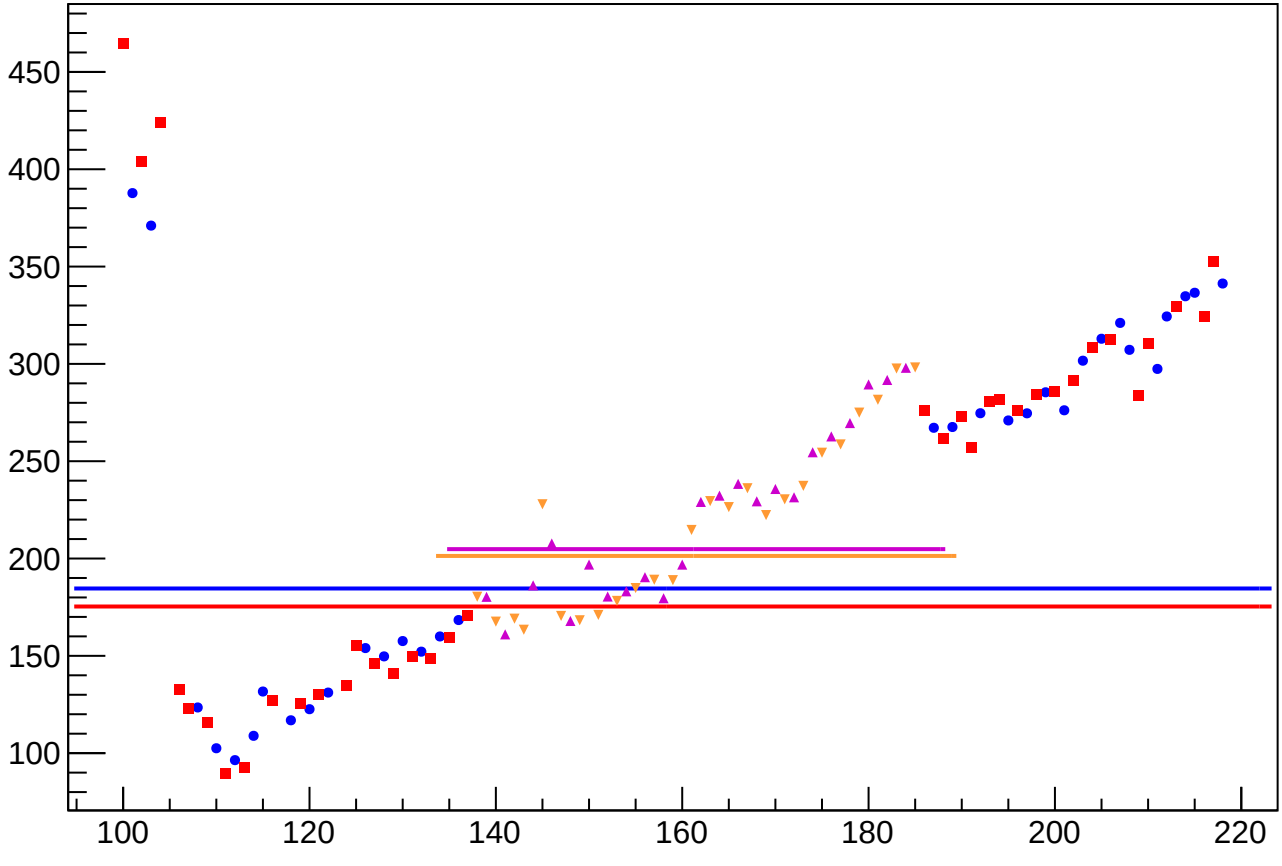
Right: 156886.491+/-0.031 χ^2/NDF: 99445169738.9

In: 161816.163+/-0.033 χ^2/NDF:125767316207.5

Out: 161629.389+/-0.032 χ^2/NDF:139508759298.

All: 161718.027+/-0.023 χ^2/NDF: 26529253

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: 175.349+/-0.031 χ^2/NDF: 7600813.2/35

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

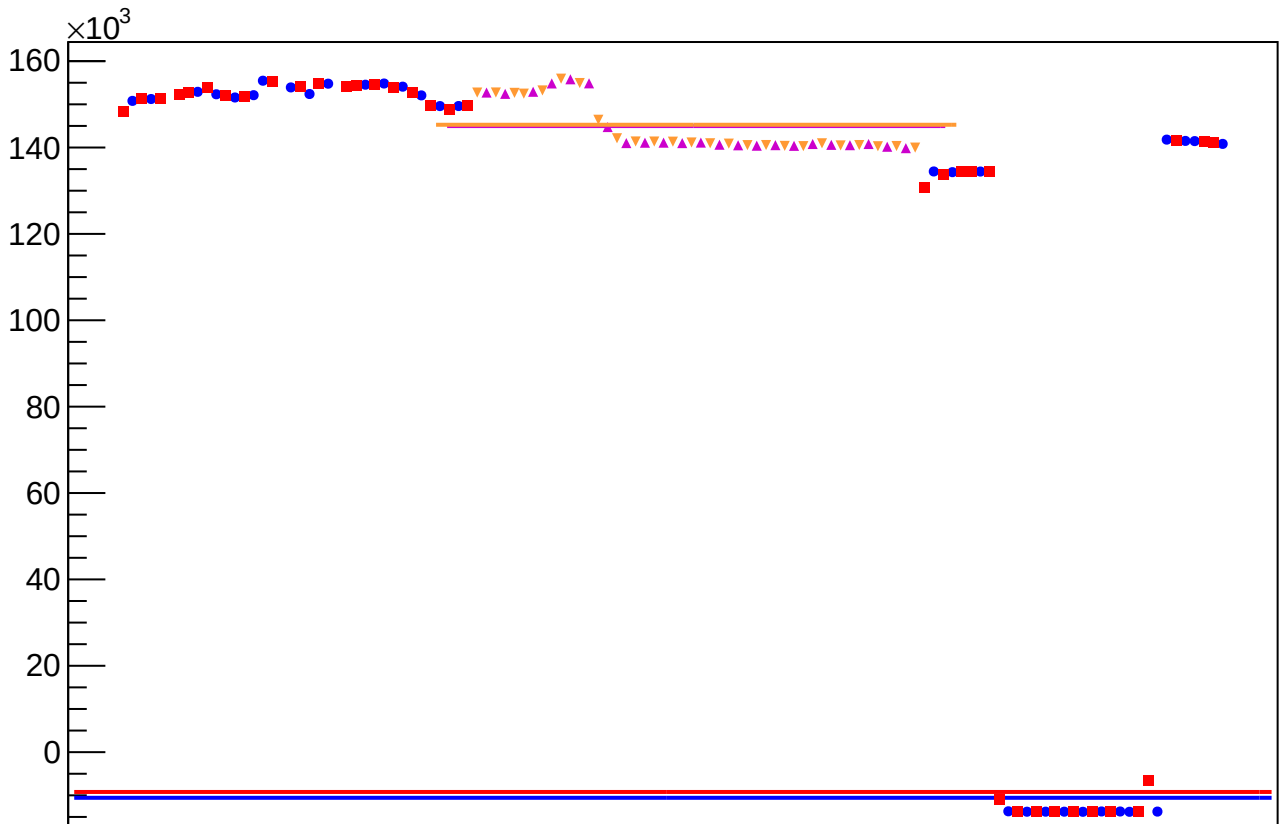
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 179.717+/-0.022 χ^2/NDF: 14537992.7/67

In: 194.035+/-0.024 χ^2/NDF:8129714.4/54

Out: 187.317+/-0.022 χ^2/NDF:9164821.3/60

All: 190.505+/-0.016 χ^2/NDF: 17337113.4/11



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: -9217.381+/-0.009 χ^2/NDF: 7686356218932.6/35

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

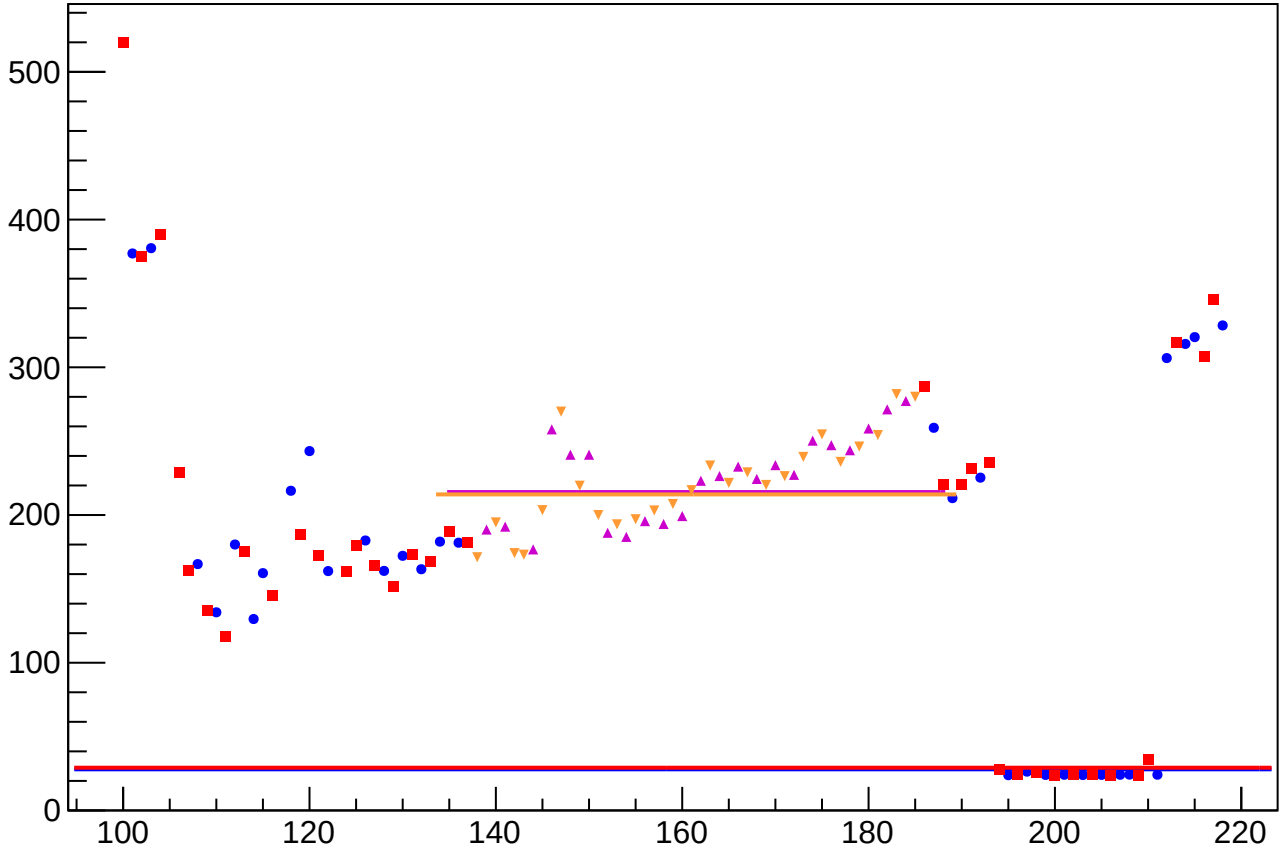
Right: -9940.216+/-0.006 χ^2/NDF: 1438136731483

In: -6167.526+/-0.009 χ^2/NDF:15662596223192.4

Out: -3843.378+/-0.009 χ^2/NDF:17144451239838

All: -5083.416+/-0.006 χ^2/NDF: 3284101458

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: 28.933+/-0.007 χ^2/NDF: 18653602.7/35

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

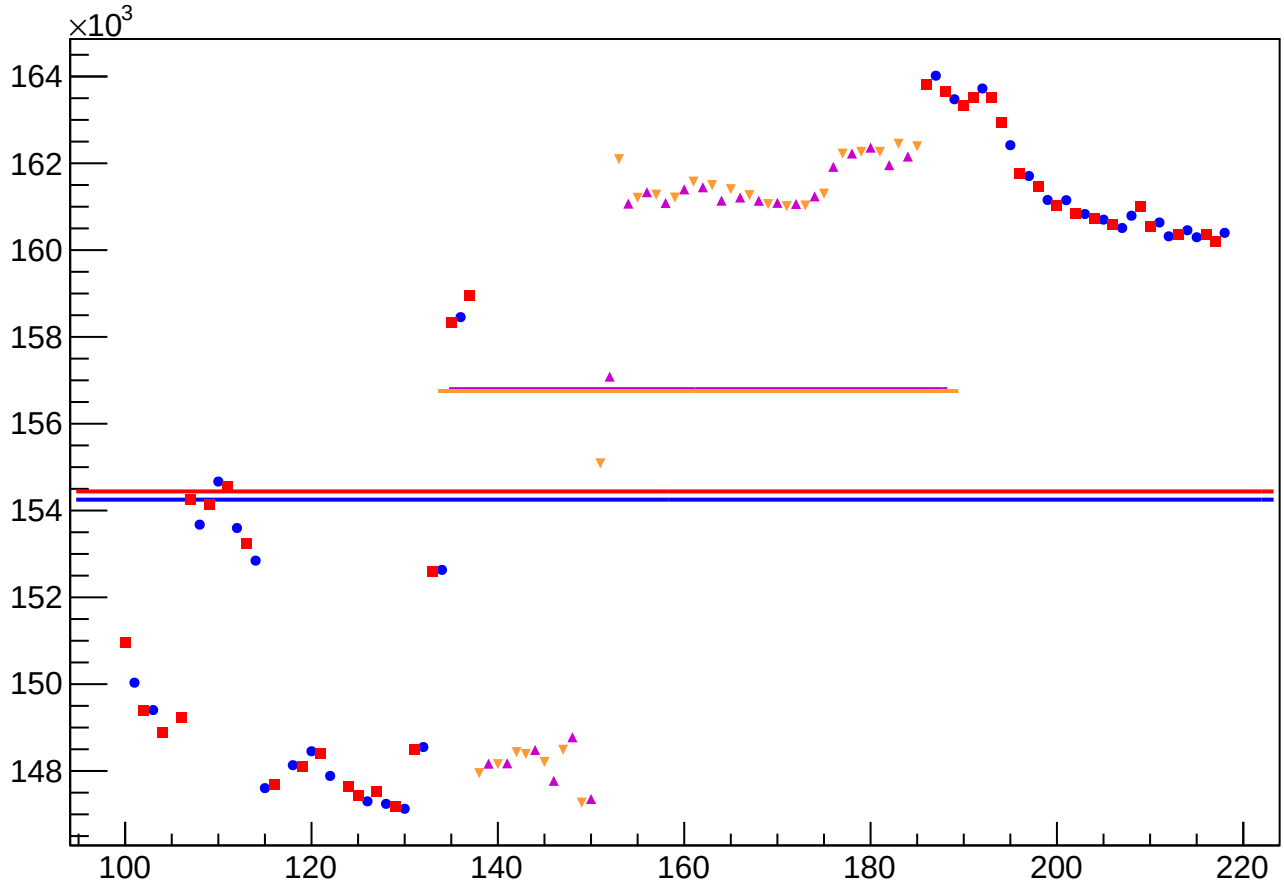
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.352+/-0.005 χ^2/NDF: 37193709.6/67

In: 33.158+/-0.006 χ^2/NDF:45238273.1/54

Out: 35.369+/-0.007 χ^2/NDF:46396481.0/60

All: 34.190+/-0.004 χ^2/NDF: 91696253.4/115



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: 154440.188+/-0.049 χ^2/NDF: 13601275321.6/35

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

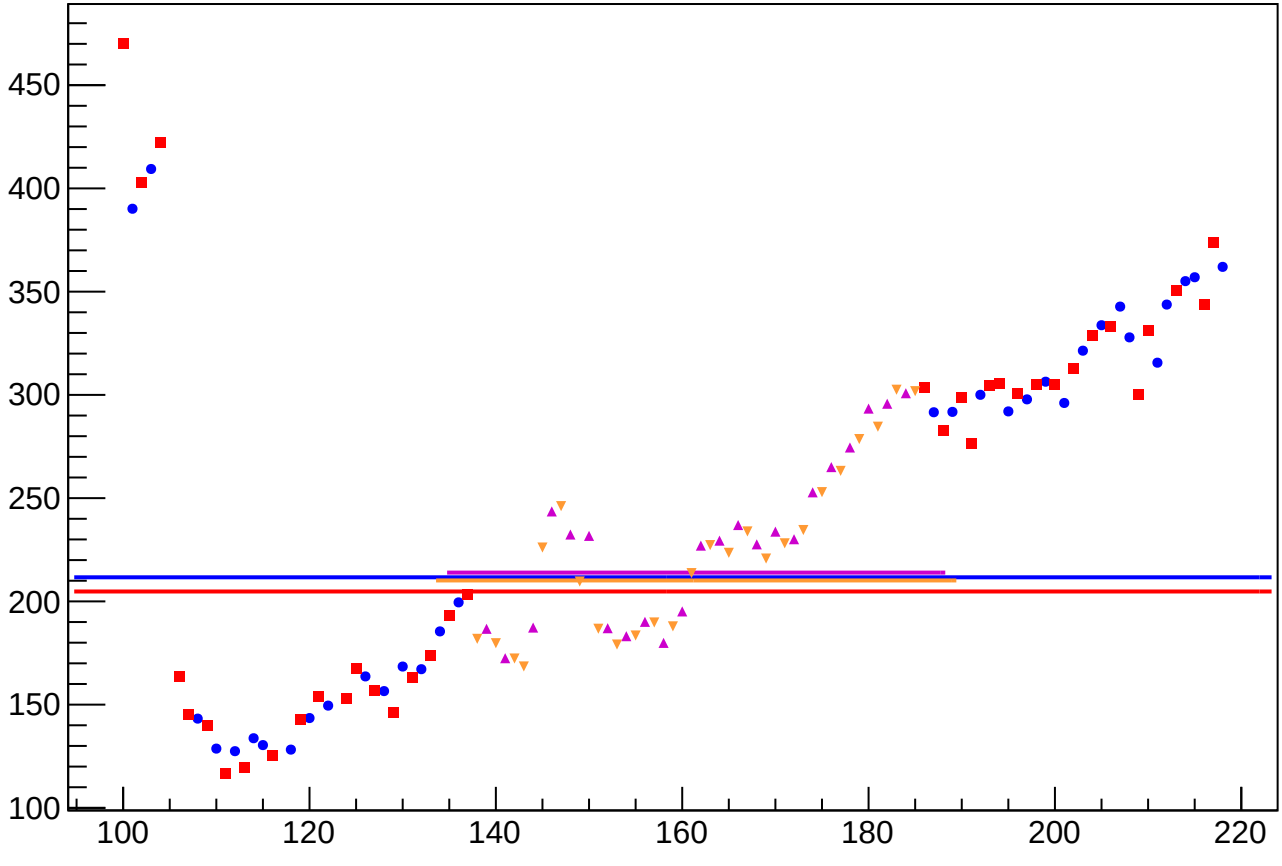
Right: 154349.293+/-0.036 χ^2/NDF: 26506046386.

In: 155536.895+/-0.036 χ^2/NDF:28479136449.6/5

Out: 155616.929+/-0.035 χ^2/NDF:31094521240.1

All: 155578.625+/-0.025 χ^2/NDF: 595762059

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: 204.794+/-0.035 χ^2/NDF: 6061526.9/35

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

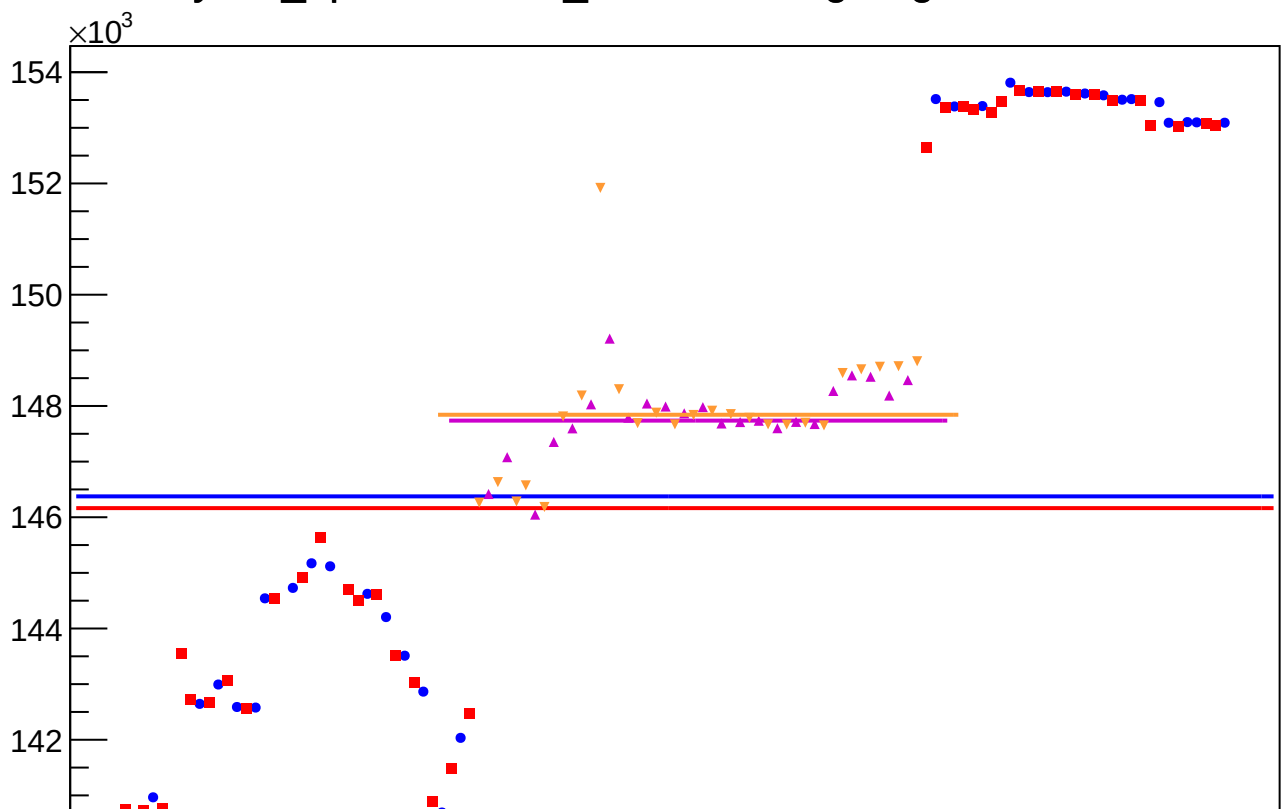
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 208.095+/-0.025 χ^2/NDF: 11794926.1/67

In: 212.816+/-0.026 χ^2/NDF:6631313.9/54

Out: 207.514+/-0.025 χ^2/NDF:7071212.6/60

All: 210.052+/-0.018 χ^2/NDF: 13724898.4/11



Right In: 146375.079+/-0.044 χ^2/NDF: 11551646216.6/31

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 146163.875+/-0.042 χ^2/NDF: 12387255213.5/35

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

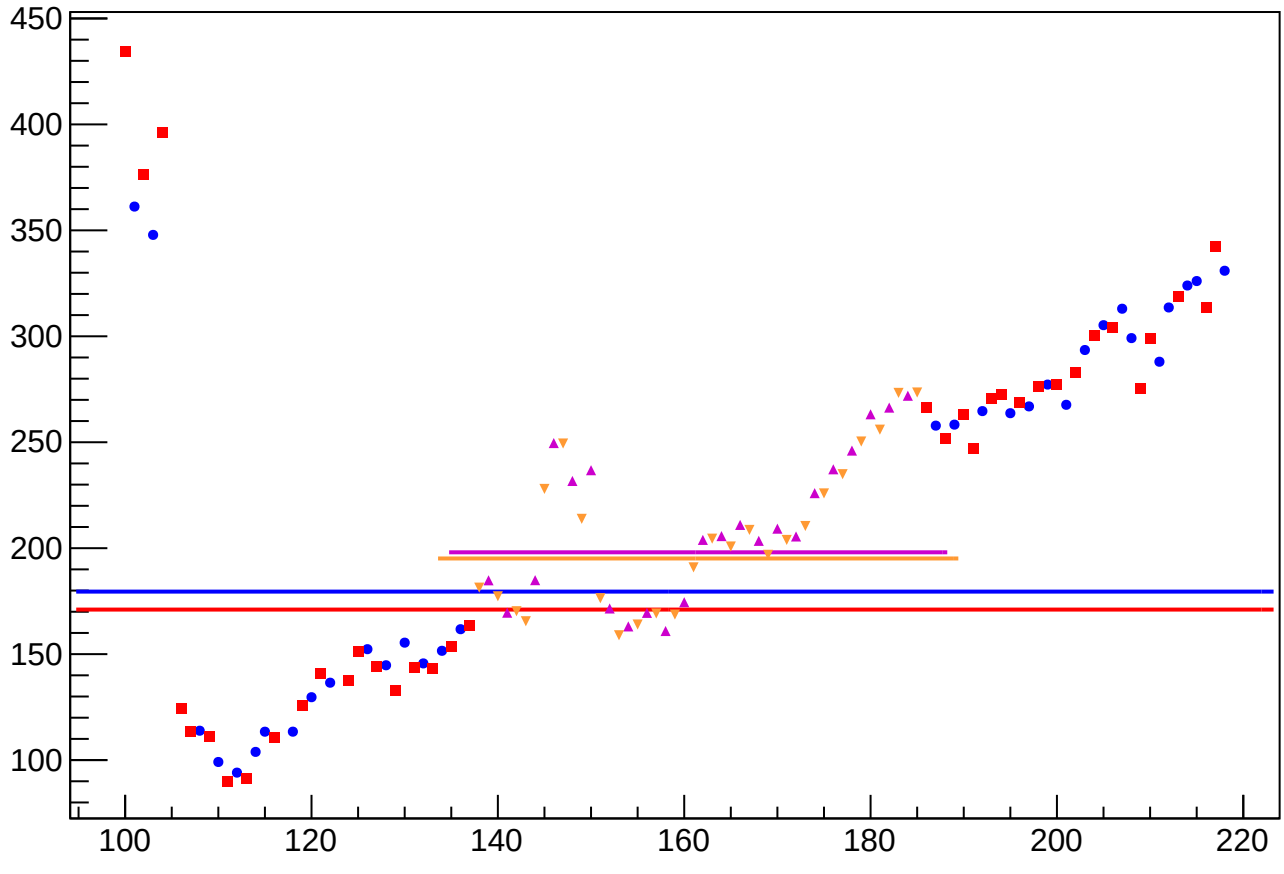
Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

Right: 146263.671+/-0.031 χ^2/NDF: 2395083167 5.0

In: 147014.720+/-0.032 χ^2/NDF:12220318566.4/5

Out: 146943.435+/-0.031 χ^2/NDF:13840858683.0/

All: 146977.293+/-0.022 χ^2/NDF: 26063728



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: 171.030+/-0.030 χ^2/NDF: 7427306.3/35

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

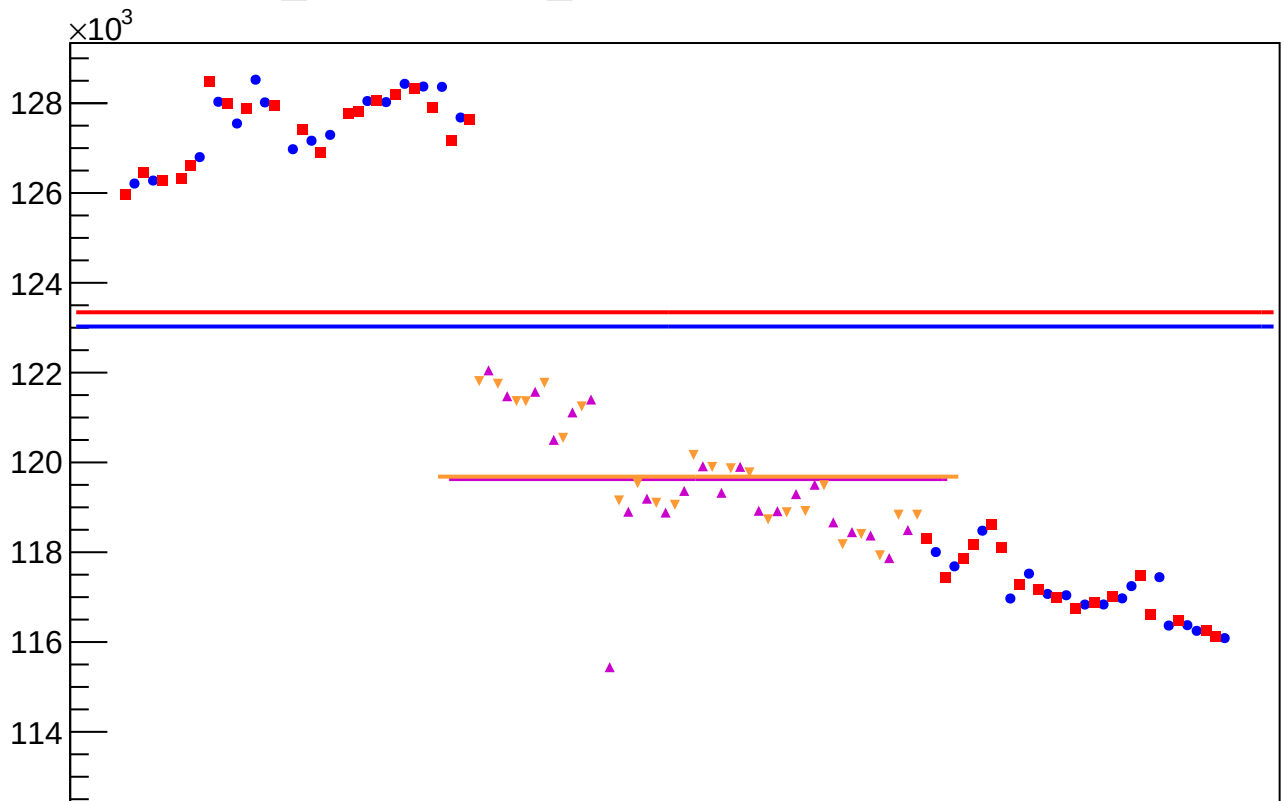
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 175.037+/-0.022 χ^2/NDF: 14289877.8/67

In: 188.223+/-0.023 χ^2/NDF:7888283.0/54

Out: 182.231+/-0.022 χ^2/NDF:8637107.2/60

All: 185.077+/-0.016 χ^2/NDF: 16561437.3/11



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: 123343.765+/-0.042 χ^2/NDF: 15515771414.4/35

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

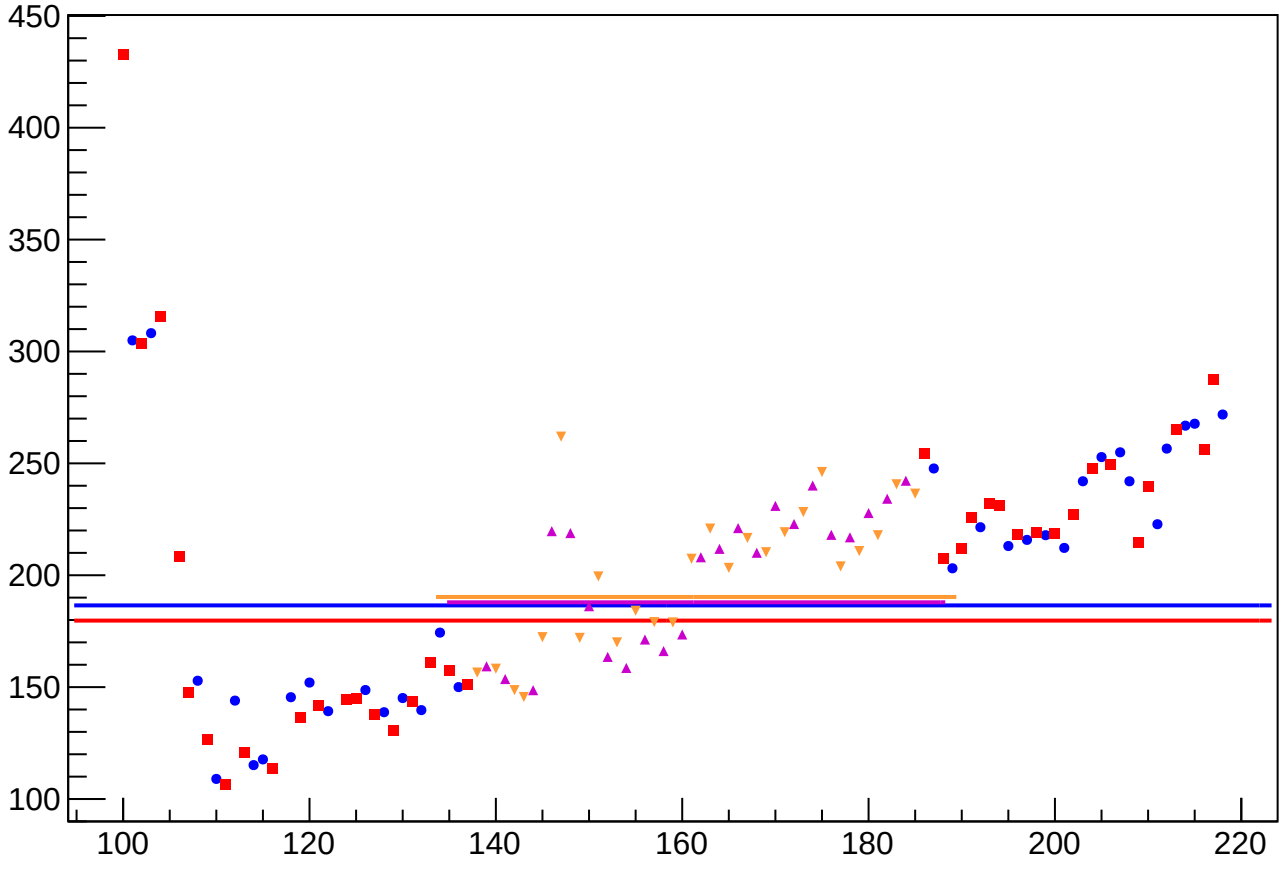
Right: 123191.760+/-0.030 χ^2/NDF: 30285111336.3

In: 121378.076+/-0.031 χ^2/NDF:18993993687.1/5

Out: 121613.843+/-0.030 χ^2/NDF:21107821876.1

All: 121499.424+/-0.022 χ^2/NDF: 40130946

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: 179.732+/-0.030 χ^2/NDF: 3509059.3/35

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

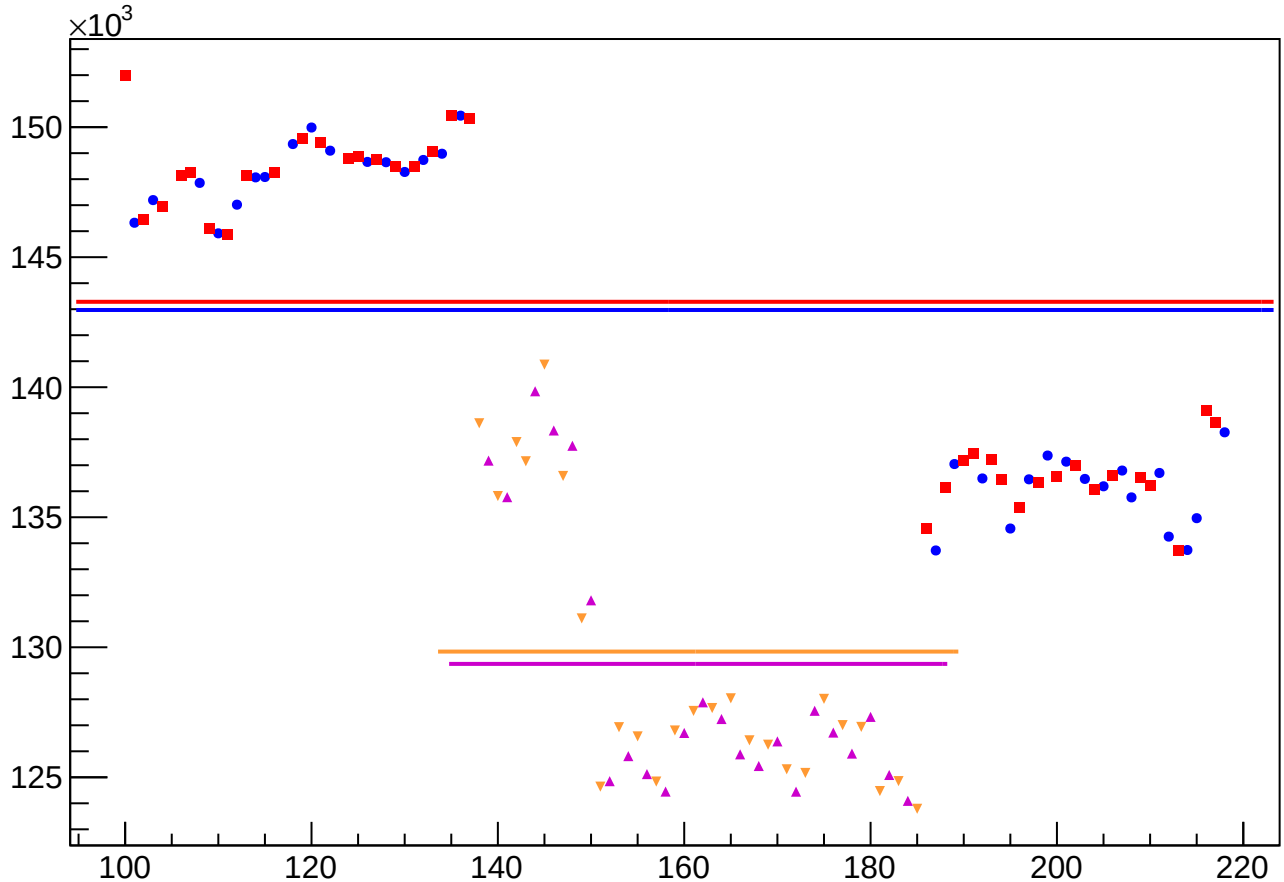
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 182.987+/-0.021 χ^2/NDF: 6493485.3/67

In: 187.196+/-0.022 χ^2/NDF:3886262.2/54

Out: 184.725+/-0.022 χ^2/NDF:4493698.1/60

All: 185.924+/-0.015 χ^2/NDF: 8386356.2/115



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: 143284.707+/-0.058 χ^2/NDF: 10515022870.0/35

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

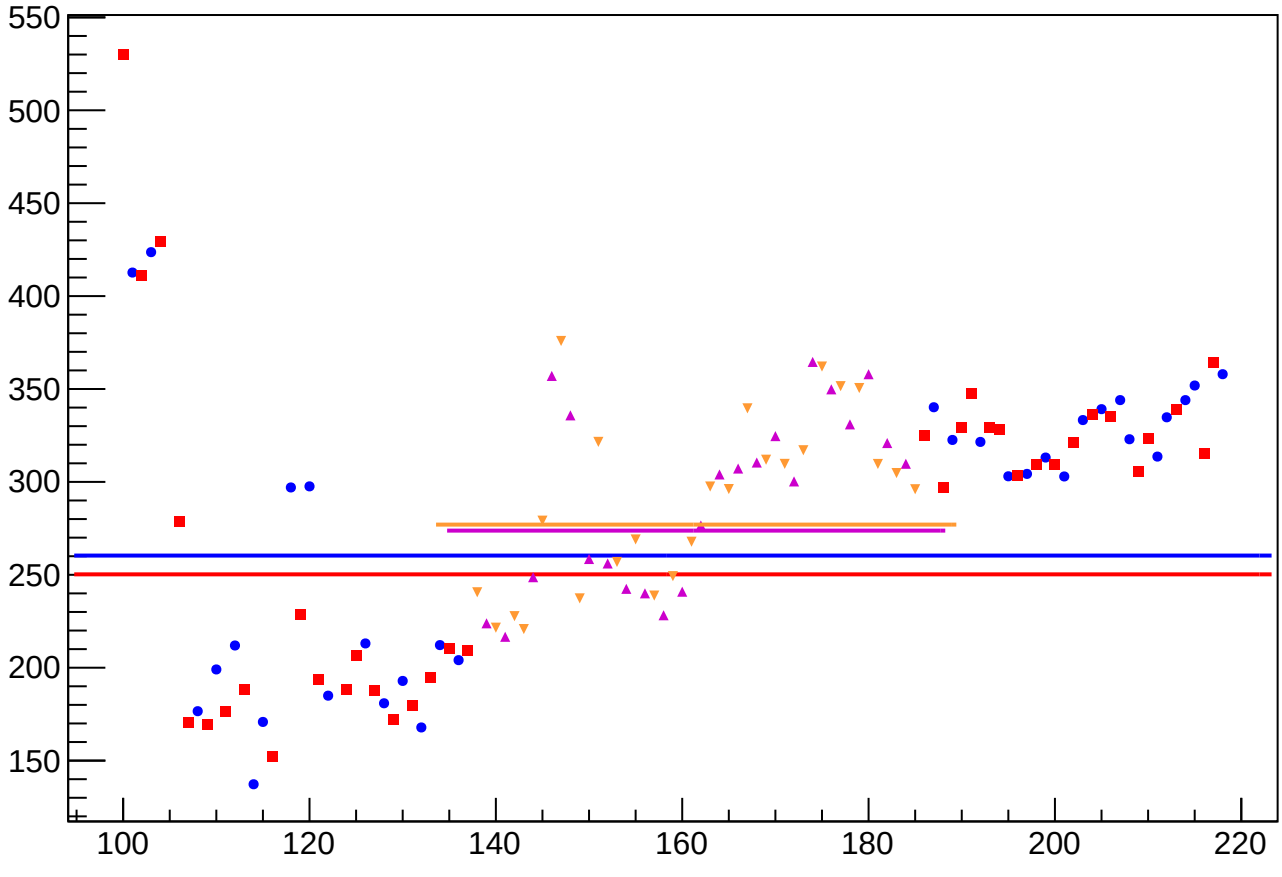
Right: 143134.486+/-0.042 χ^2/NDF: 21200548863.

In: 136643.117+/-0.045 χ^2/NDF:40502914364.9/5

Out: 137222.981+/-0.043 χ^2/NDF:41420791243.3

All: 136942.709+/-0.031 χ^2/NDF: 82011201

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: 250.245+/-0.041 χ^2/NDF: 3204633.3/35

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

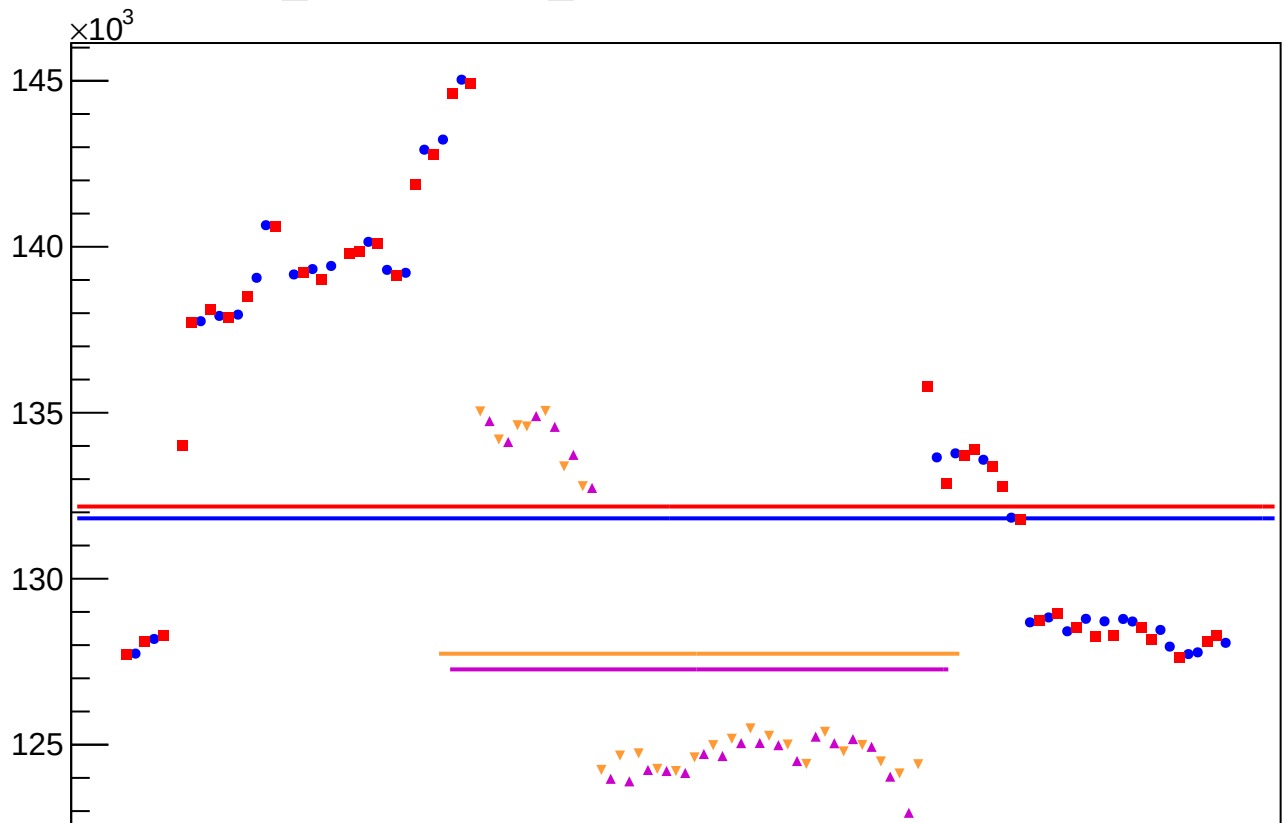
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 255.066+/-0.030 χ^2/NDF: 6164585.0/67

In: 266.598+/-0.032 χ^2/NDF:3980238.0/54

Out: 262.313+/-0.030 χ^2/NDF:4342343.3/60

All: 264.384+/-0.022 χ^2/NDF: 8332138.1/115



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: 132175.206+/-0.099 χ^2/NDF: 2210102566.9/35

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

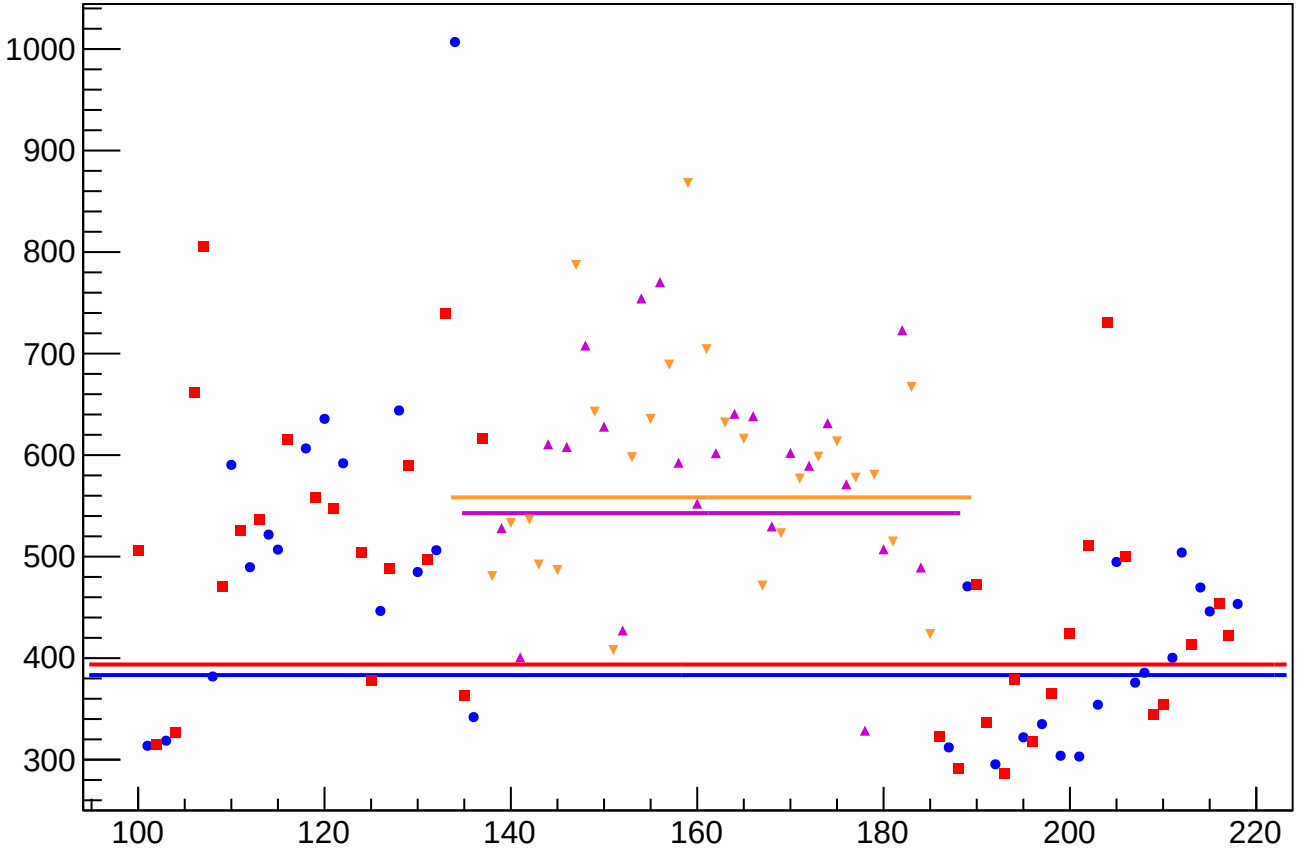
Right: 131993.180+/-0.069 χ^2/NDF: 5183445600.4/

In: 130330.394+/-0.079 χ^2/NDF:4663392039.1/54

Out: 130637.458+/-0.080 χ^2/NDF:4001318954.1/6

All: 130482.830+/-0.056 χ^2/NDF: 86721950

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: 393.753+/-0.070 χ^2/NDF: 2034453.1/35

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

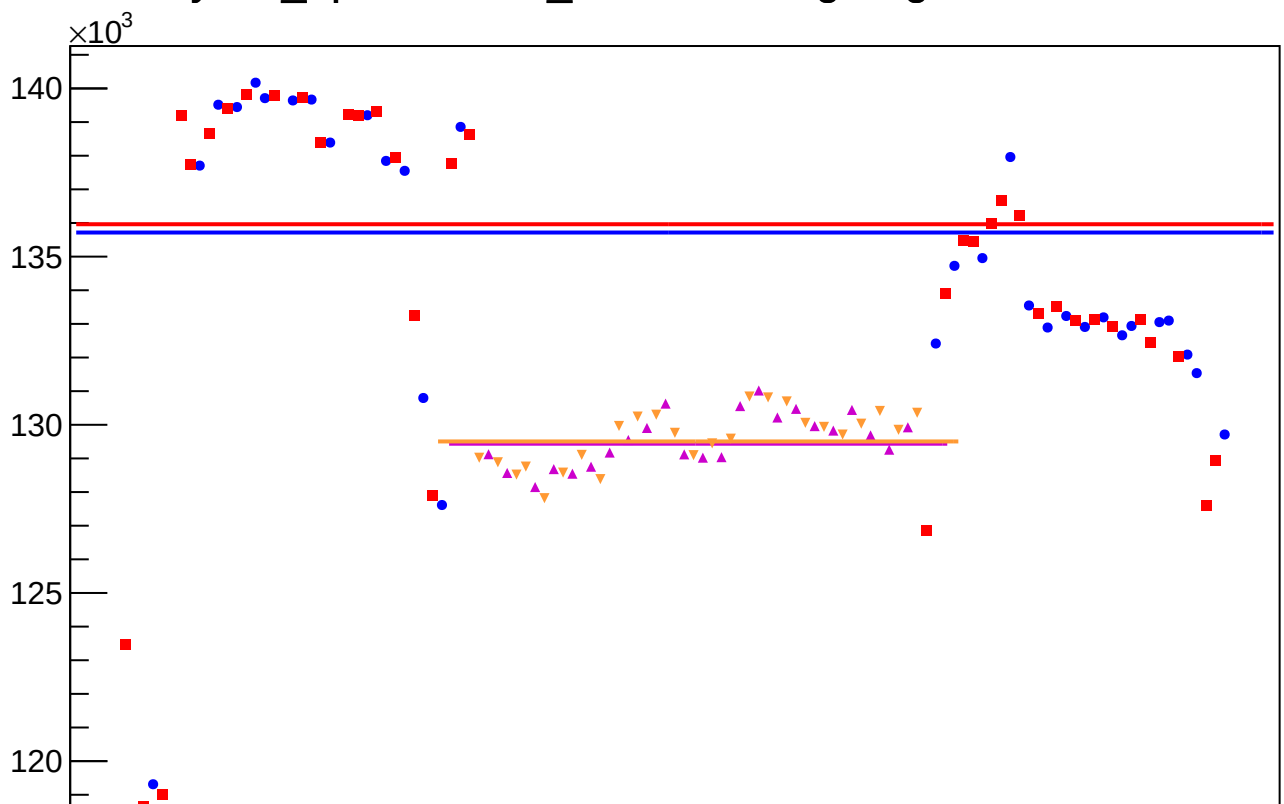
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 388.421+/-0.049 χ^2/NDF: 3842123.9/67

In: 435.513+/-0.056 χ^2/NDF:4996370.4/54

Out: 450.844+/-0.056 χ^2/NDF:4928821.8/60

All: 443.124+/-0.040 χ^2/NDF: 9962329.2/115



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: 135962.872+/-0.054 χ^2/NDF: 7799784929.8/35

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

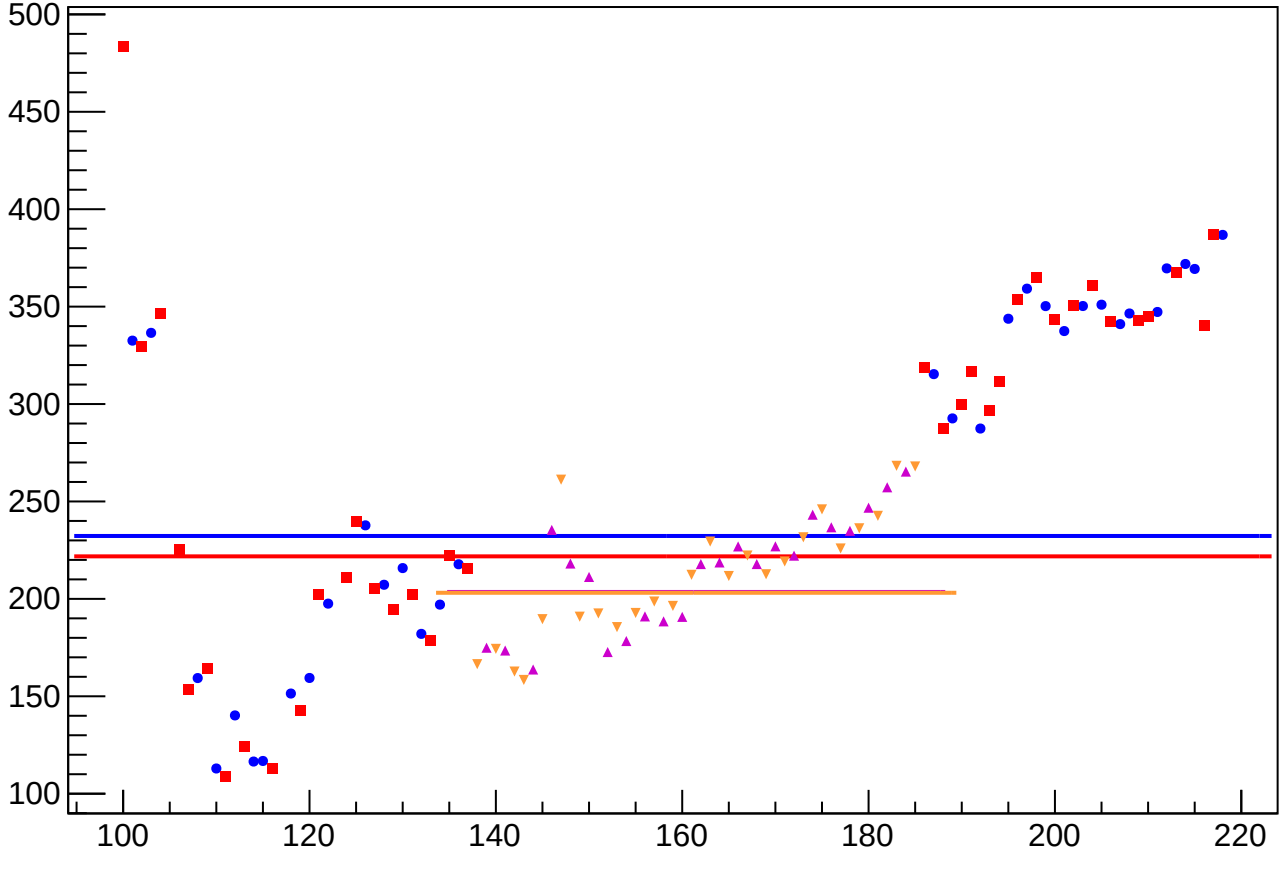
Right: 135845.849+/-0.039 χ^2/NDF: 14866406480.3

In: 132098.876+/-0.037 χ^2/NDF:14449938975.7/5

Out: 132305.053+/-0.035 χ^2/NDF:16286220497.3

All: 132205.939+/-0.025 χ^2/NDF: 30752493

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: 221.822+/-0.038 χ^2/NDF: 6029733.1/35

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

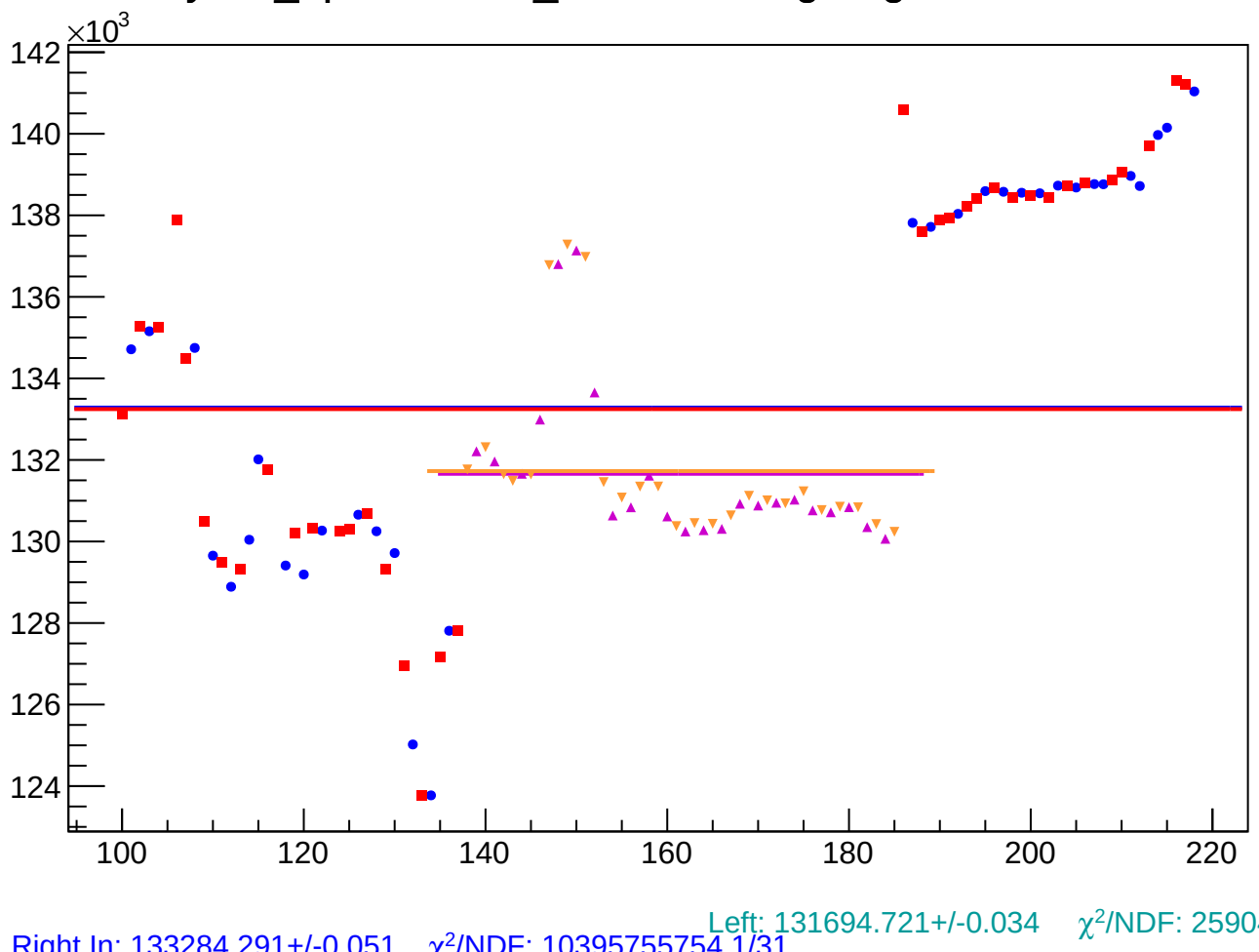
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 226.793+/-0.028 χ^2/NDF: 11480216.9/67

In: 215.727+/-0.026 χ^2/NDF:6378964.8/54

Out: 211.234+/-0.025 χ^2/NDF:6925378.4/60

All: 213.394+/-0.018 χ^2/NDF: 13319855.4/11



Right In: 133284.291+/-0.051 χ^2/NDF: 10395755754.1/31

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 133246.965+/-0.048 χ^2/NDF: 10459263295.3/35

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

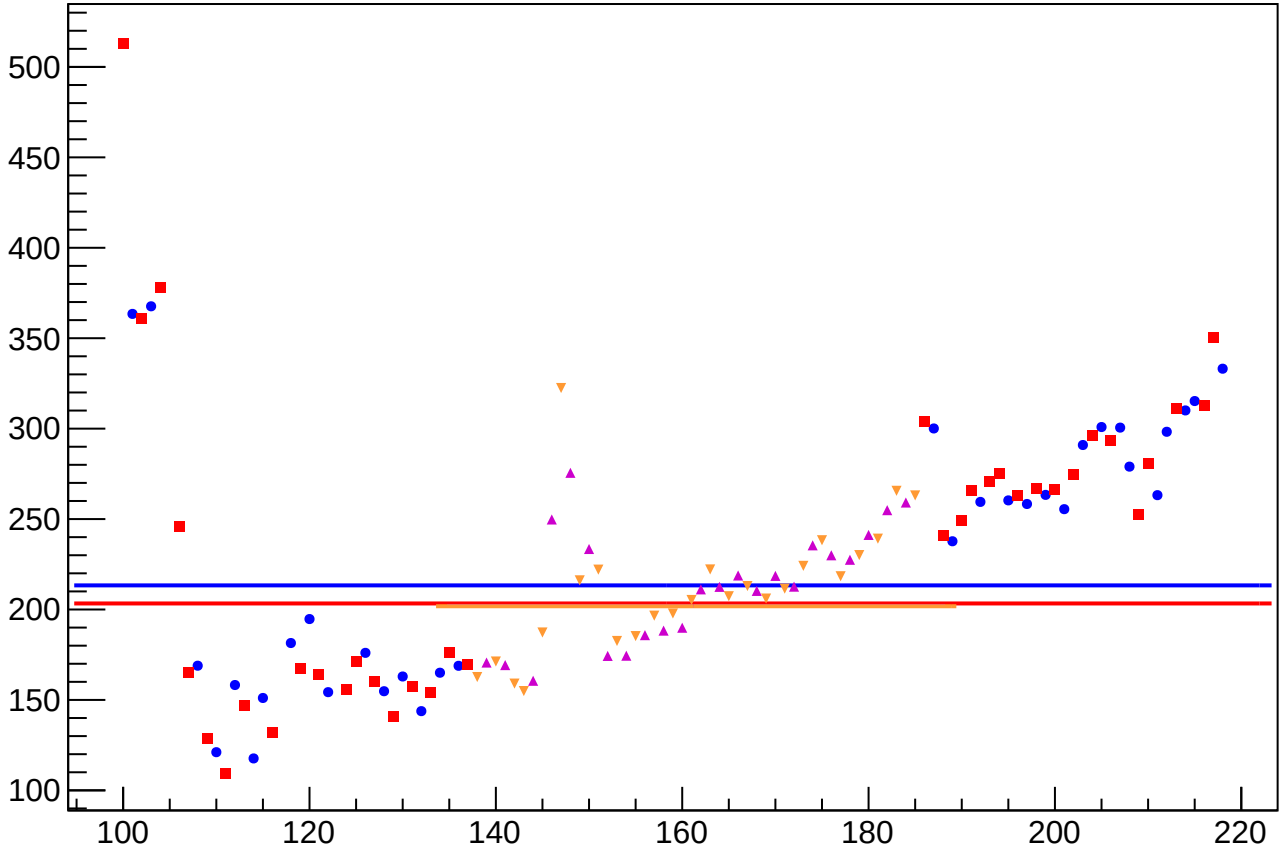
Right: 133264.720+/-0.035 χ^2/NDF: 20855305364.

In: 132434.007+/-0.035 χ^2/NDF:12101305990.6/5

Out: 132466.780+/-0.034 χ^2/NDF:12396613745.8

All: 132451.015+/-0.024 χ^2/NDF: 24498378

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: 203.340+/-0.034 χ^2/NDF: 4390820.2/35

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

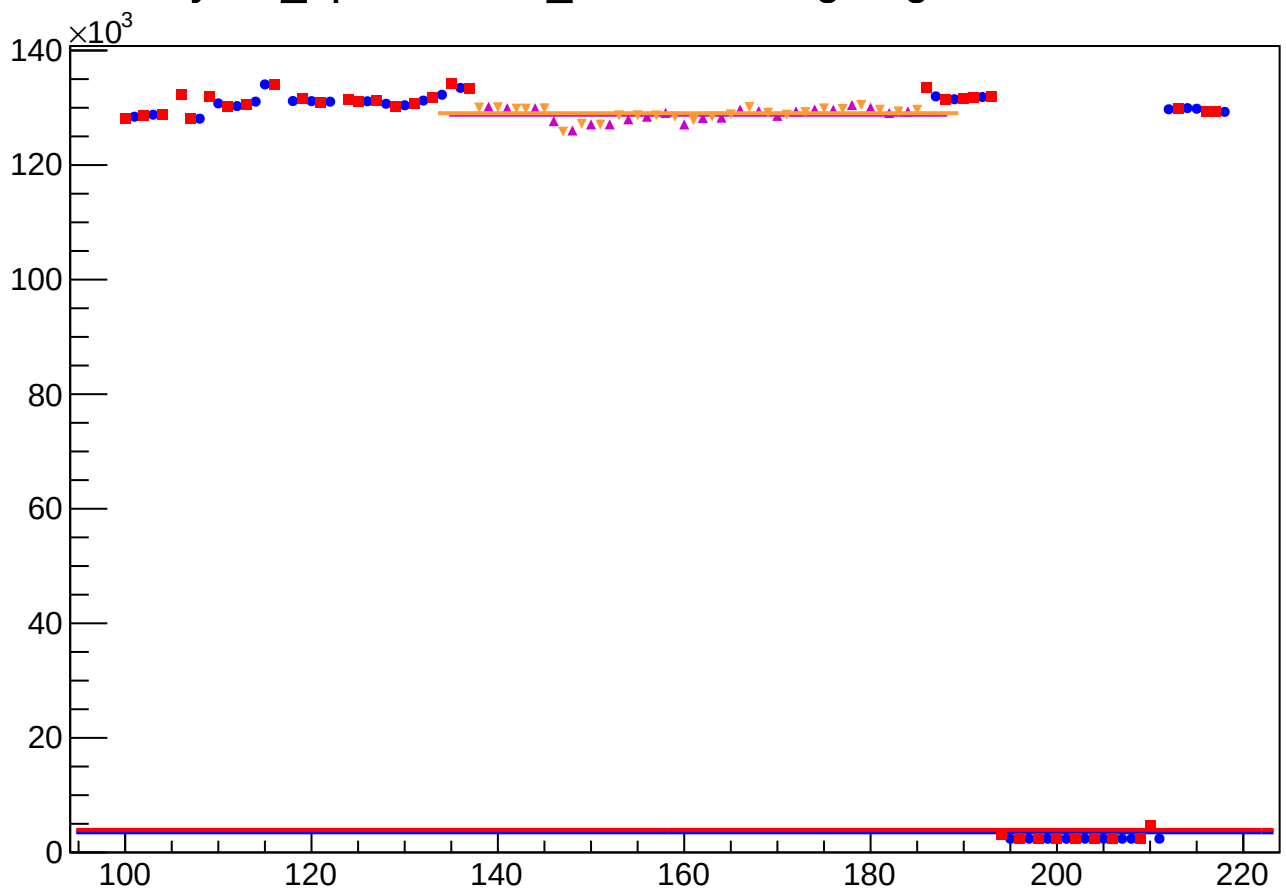
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 208.095+/-0.025 χ^2/NDF: 7992346.4/67

In: 207.372+/-0.025 χ^2/NDF:4416401.1/54

Out: 202.548+/-0.024 χ^2/NDF:5297227.0/60

All: 204.869+/-0.017 χ^2/NDF: 9733499.9/115



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: 3939.121+/-0.005 χ^2/NDF: 6326130916238.7/35

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

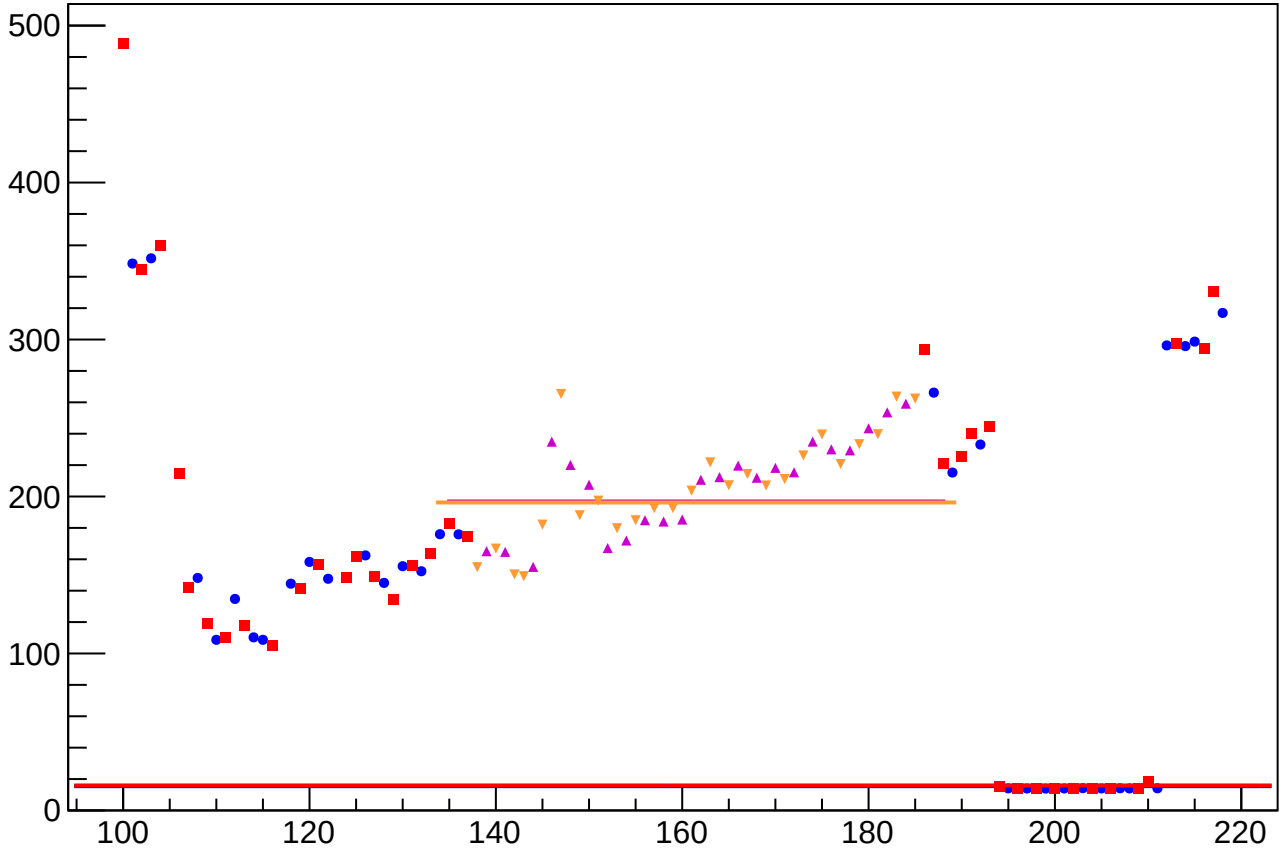
Right: 3711.399+/-0.004 χ^2/NDF: 11938280316900

In: 4953.844+/-0.005 χ^2/NDF:12662646185312.2

Out: 5710.794+/-0.005 χ^2/NDF:13783288509987.

All: 5304.178+/-0.004 χ^2/NDF: 2645643756

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: 15.919+/-0.004 χ^2/NDF: 21066196.9/35

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

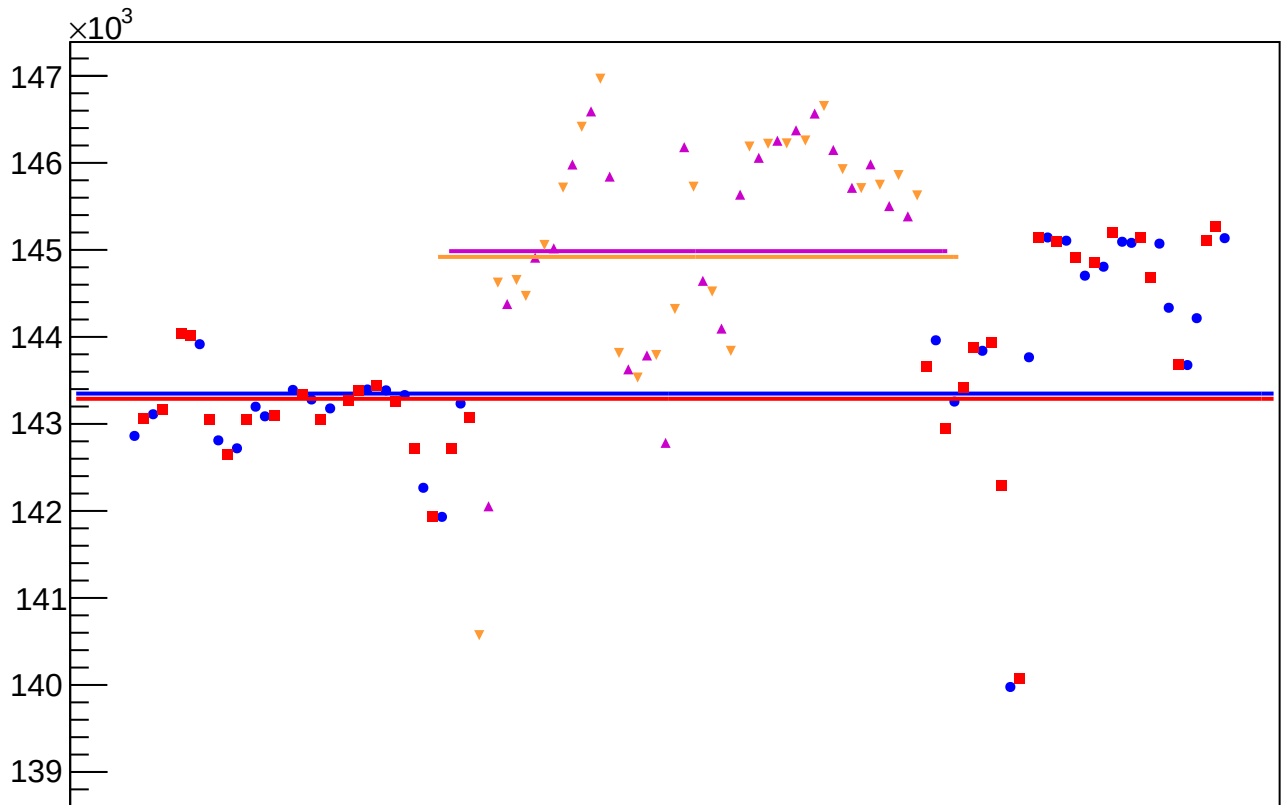
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 15.683+/-0.003 χ^2/NDF: 41804832.6/67

In: 17.563+/-0.004 χ^2/NDF:51071631.0/54

Out: 18.472+/-0.004 χ^2/NDF:52955645.9/60

All: 17.984+/-0.003 χ^2/NDF: 104057543.3/11



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: 143288.907+/-0.051 χ^2/NDF: 316207269.1/35

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

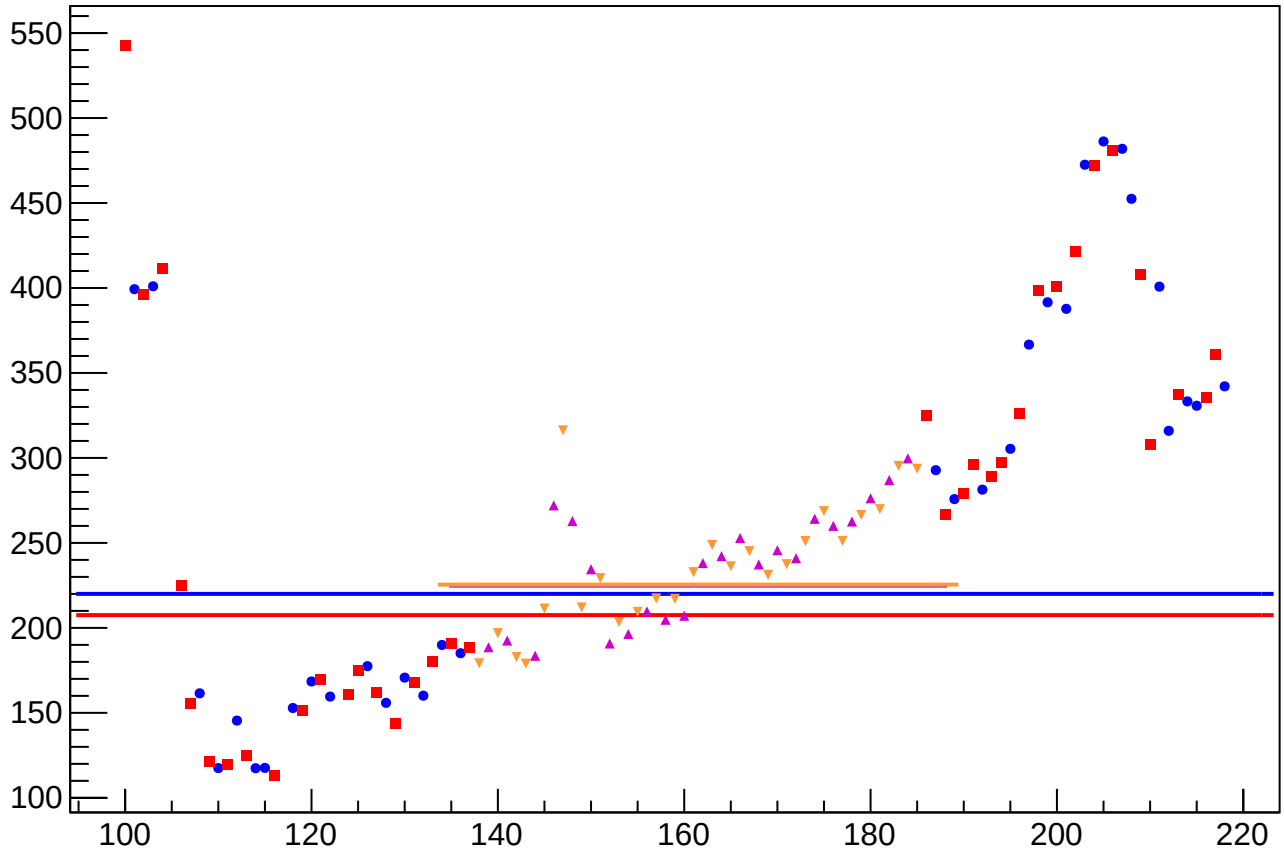
Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

Right: 143316.943+/-0.037 χ^2/NDF: 617136408.9/6

In: 144181.726+/-0.038 χ^2/NDF:1377504717.7/54

Out: 144088.400+/-0.037 χ^2/NDF:1648431331.6/6

All: 144133.010+/-0.026 χ^2/NDF: 30290486



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: 207.524+/-0.036 χ^2/NDF: 7475935.0/35

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

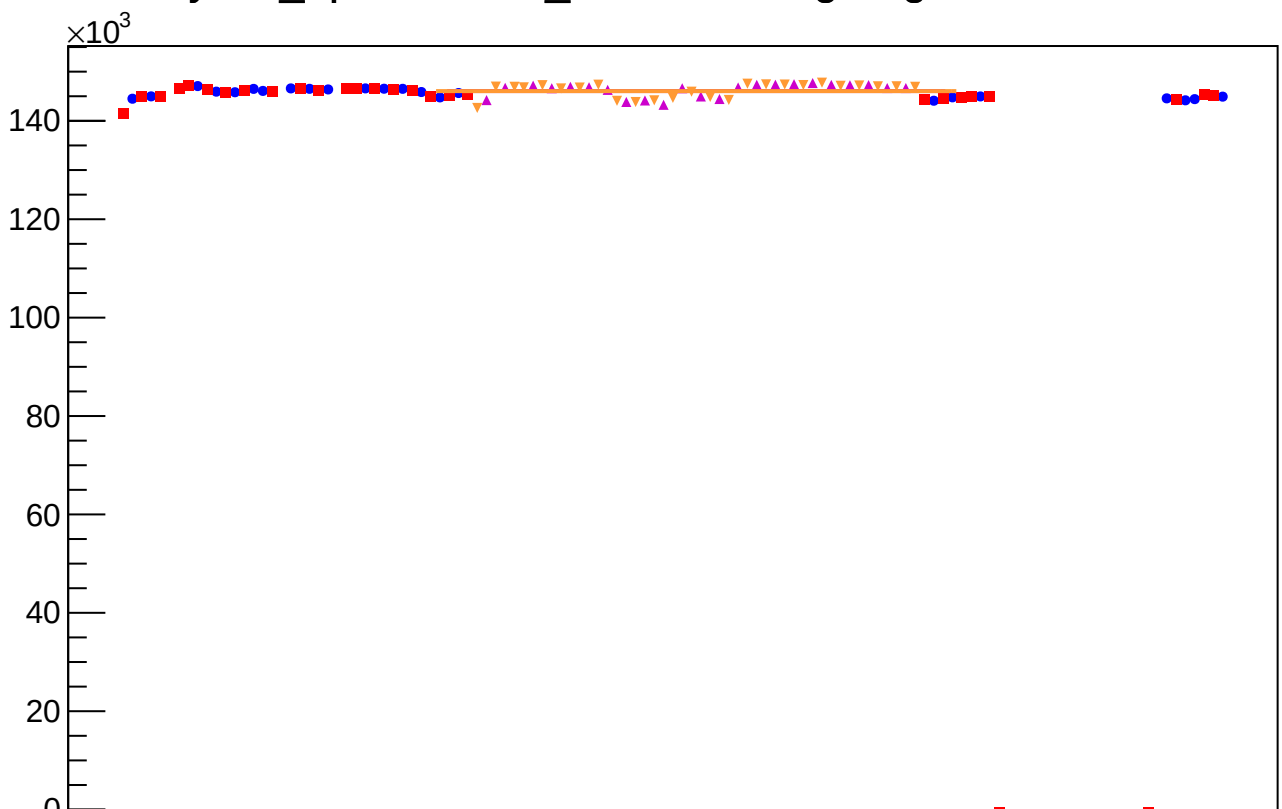
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 213.375+/-0.026 χ^2/NDF: 14410438.6/67

In: 222.481+/-0.027 χ^2/NDF:7610749.4/54

Out: 216.327+/-0.026 χ^2/NDF:8371752.3/60

All: 219.269+/-0.019 χ^2/NDF: 16009564.7/11



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: -839.961+/-0.003 χ^2/NDF: 6924681581717.4/35

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

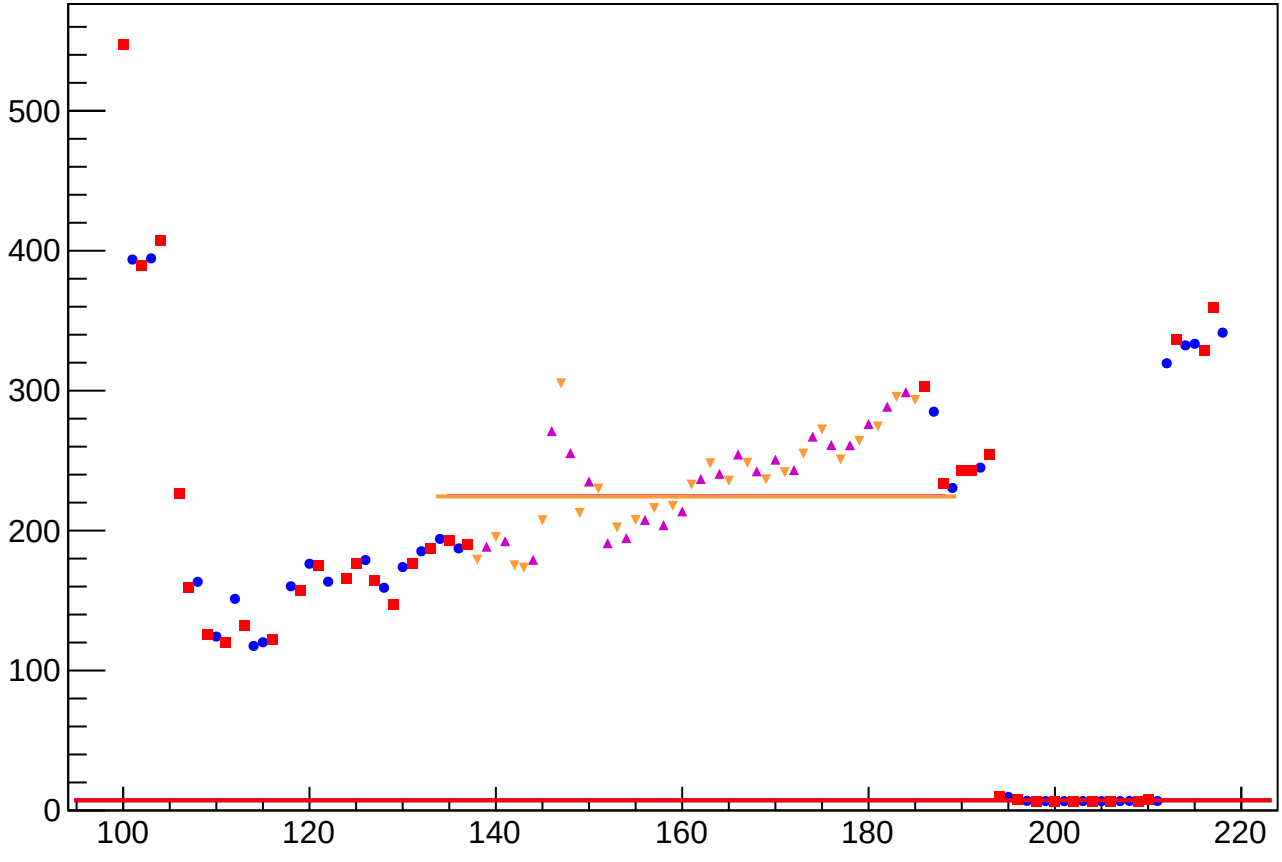
Right: -891.927+/-0.002 χ^2/NDF: 12974009371142

In: -616.699+/-0.003 χ^2/NDF:13564532911233.4/

Out: -449.466+/-0.003 χ^2/NDF:14880040939042.0

All: -538.919+/-0.002 χ^2/NDF: 2844665400

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: 7.280+/-0.002 χ^2/NDF: 23267144.6/35

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

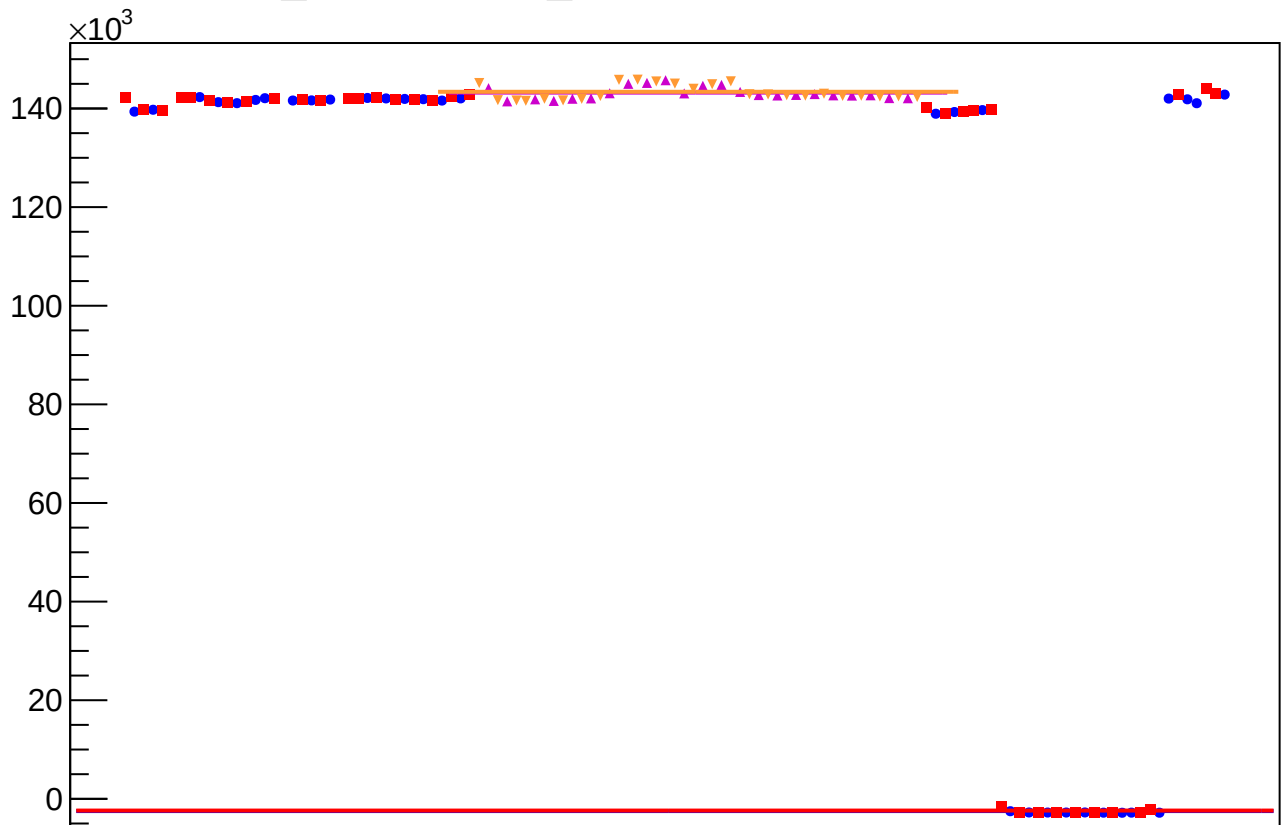
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.252+/-0.001 χ^2/NDF: 46080164.7/67

In: 7.702+/-0.002 χ^2/NDF:56454530.5/54

Out: 7.857+/-0.002 χ^2/NDF:58880965.2/60

All: 7.774+/-0.001 χ^2/NDF: 115339058.6/115



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: -2376.738+/-0.003 χ^2/NDF: 6240320048334.6/35

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

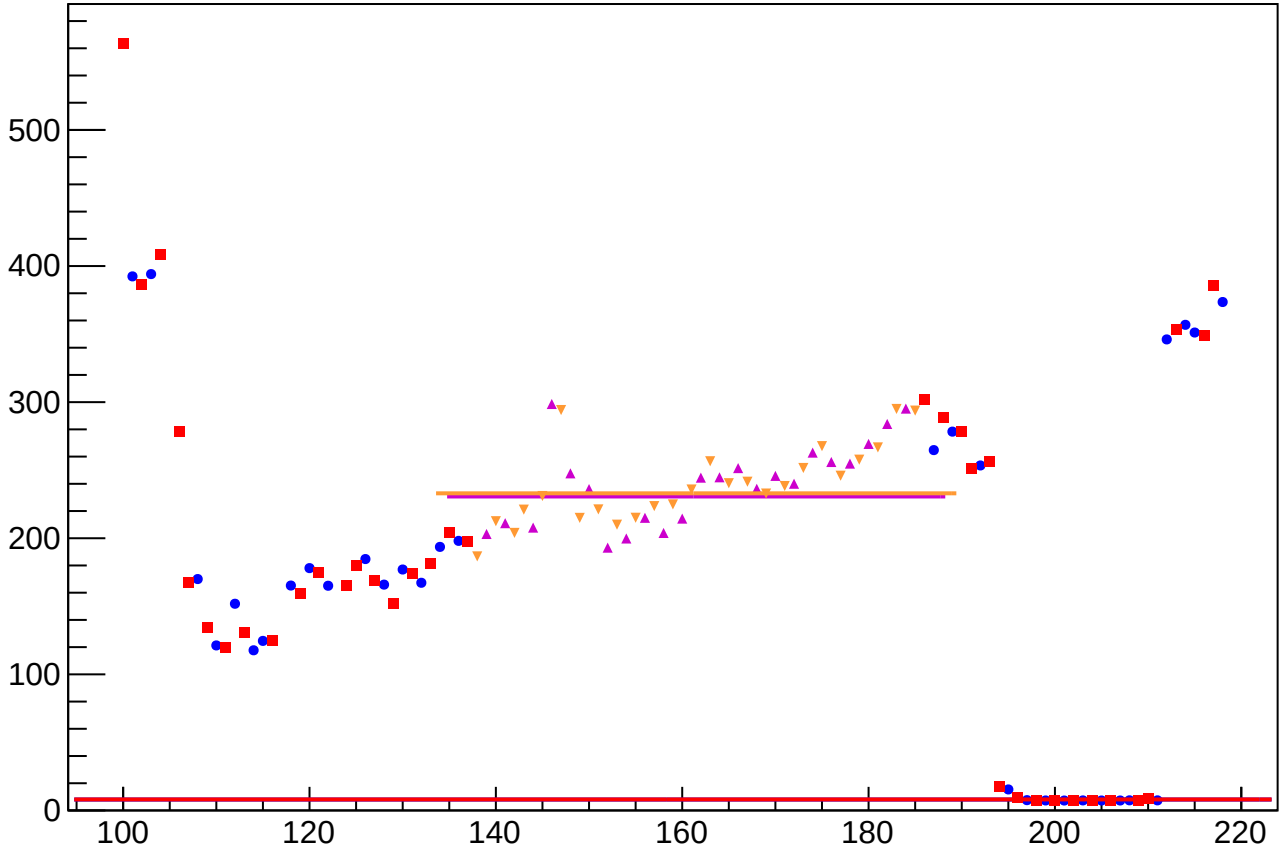
Right: -2431.763+/-0.002 χ^2/NDF: 1177725932369

In: -2101.504+/-0.003 χ^2/NDF:12580006292946.9

Out: -1922.656+/-0.003 χ^2/NDF:13590537838489

All: -2018.357+/-0.002 χ^2/NDF: 2617245055

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: 8.090+/-0.002 χ^2/NDF: 23298580.9/35

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

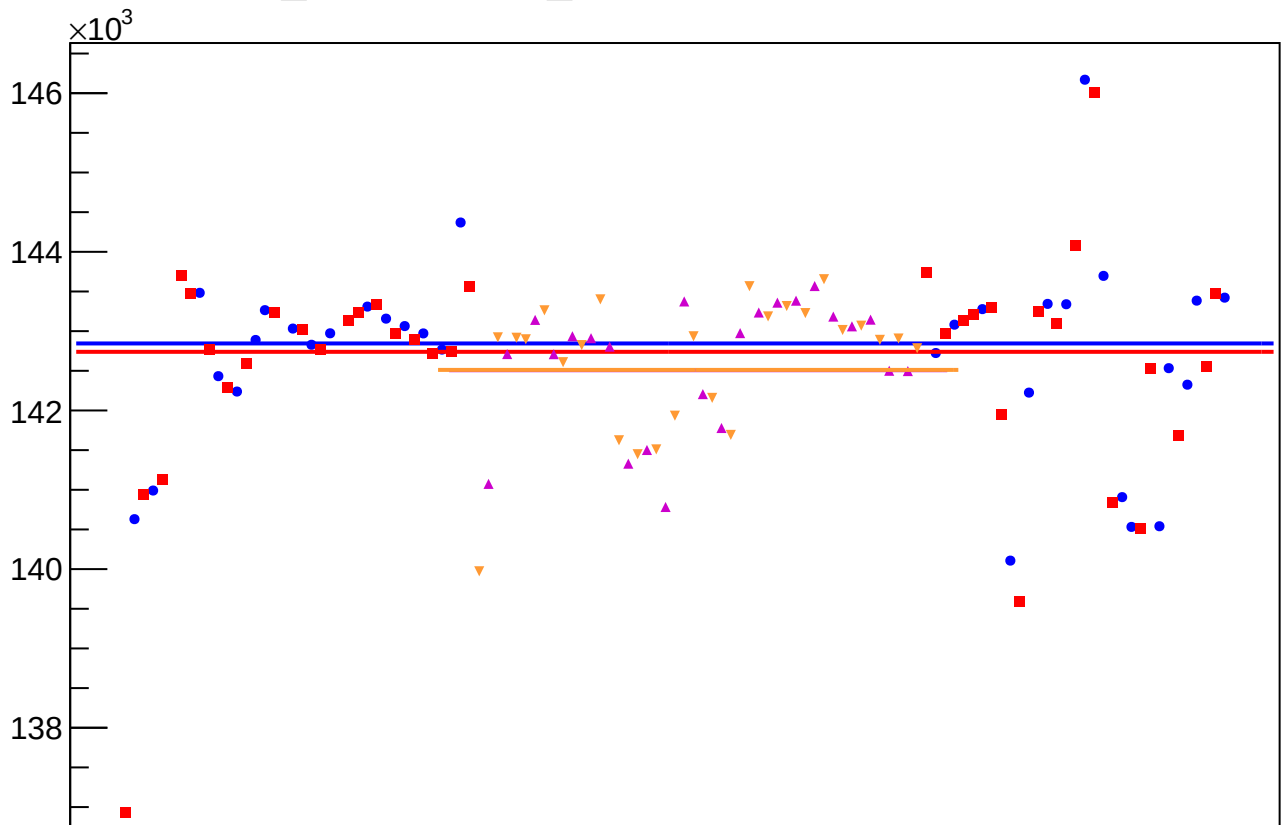
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.049+/-0.001 χ^2/NDF: 46251989.8/67

In: 8.592+/-0.002 χ^2/NDF:56367257.1/54

Out: 8.790+/-0.002 χ^2/NDF:58741737.0/60

All: 8.684+/-0.001 χ^2/NDF: 115113699.0/115



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: 142739.399+/-0.053 χ^2/NDF: 250813101.0/35

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

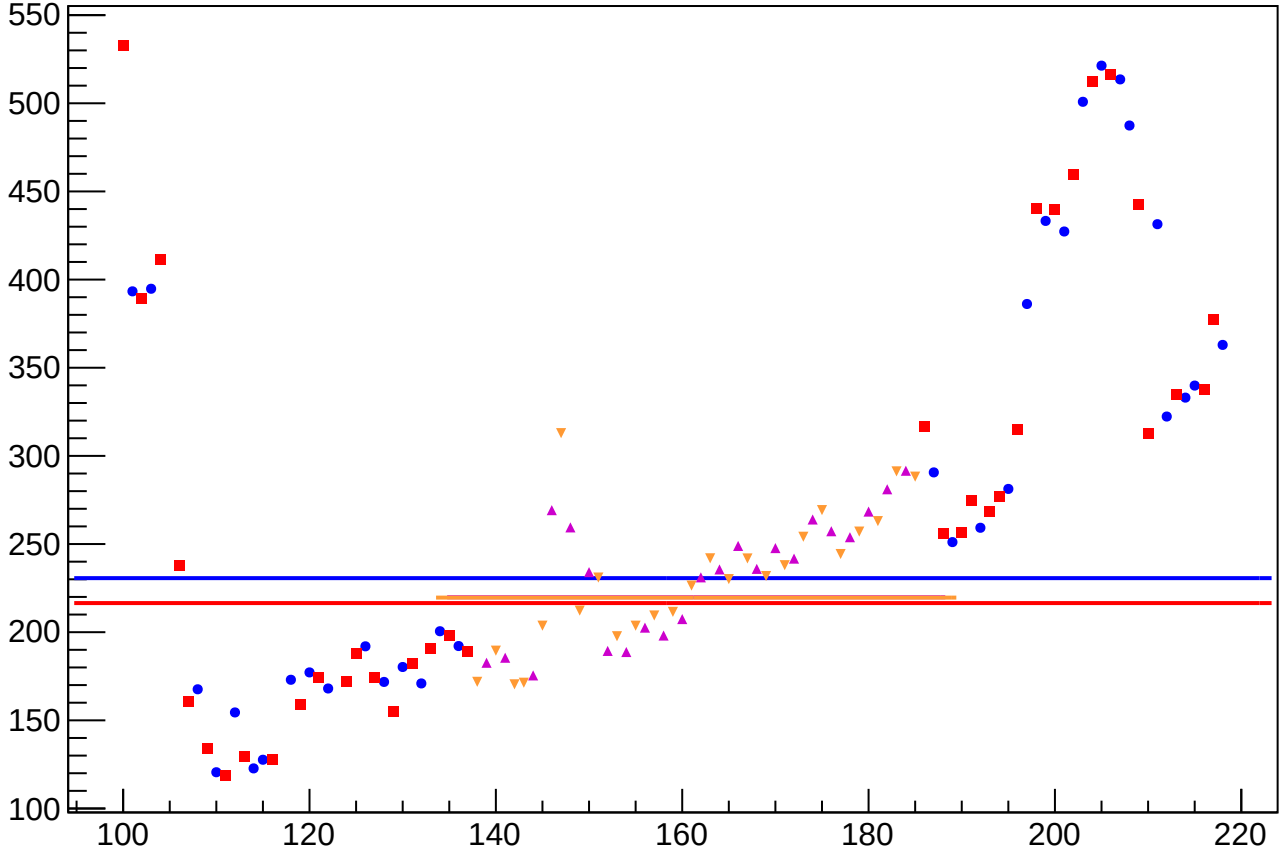
Right: 142788.504+/-0.039 χ^2/NDF: 555278259.7/6

In: 142662.098+/-0.039 χ^2/NDF:590891459.0/54

Out: 142620.429+/-0.037 χ^2/NDF:598497696.3/60

All: 142640.263+/-0.027 χ^2/NDF: 119000053

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: 216.514+/-0.038 χ^2/NDF: 7057867.8/35

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

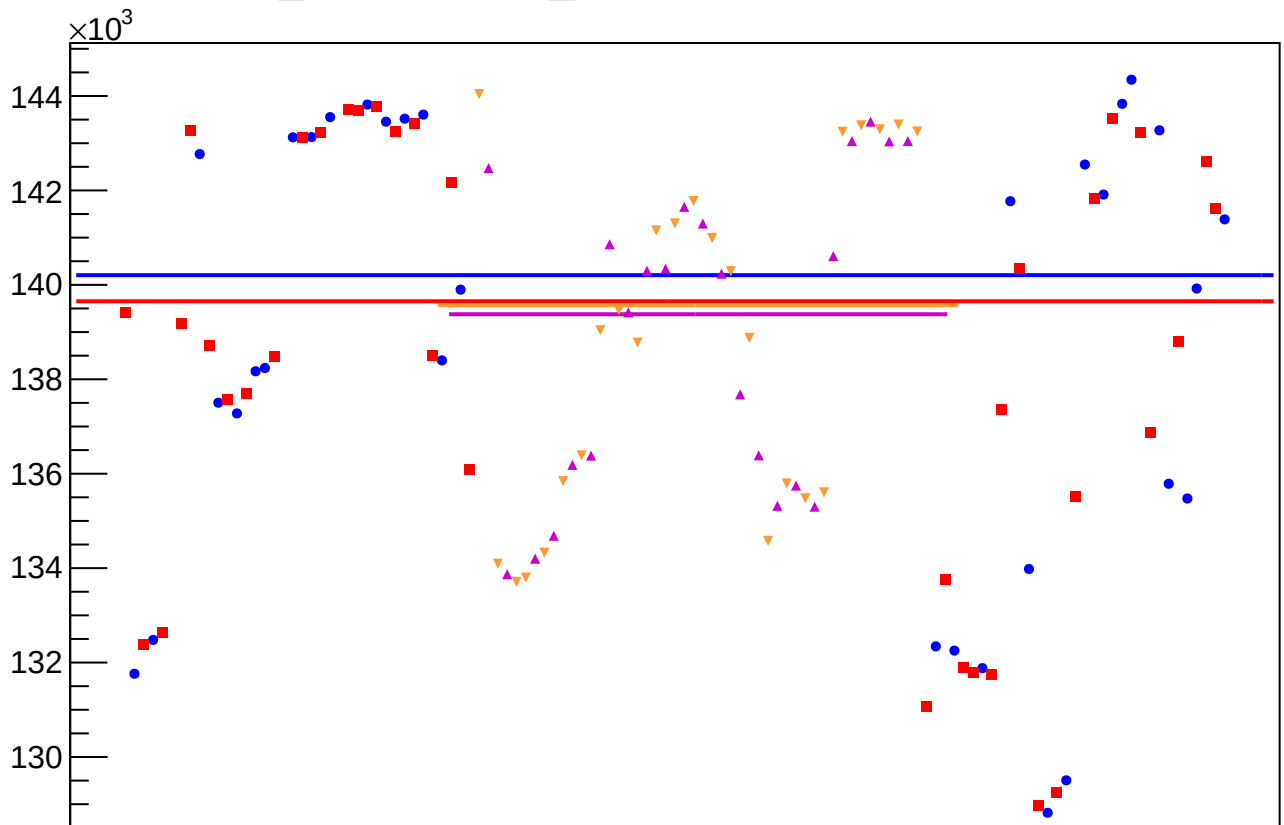
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 223.095+/-0.027 χ^2/NDF: 13691544.2/67

In: 224.782+/-0.027 χ^2/NDF:7412548.9/54

Out: 218.133+/-0.026 χ^2/NDF:7963452.0/60

All: 221.298+/-0.019 χ^2/NDF: 15407132.0/1



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: 139652.405+/-0.080 χ^2/NDF: 2863974657.8/35

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

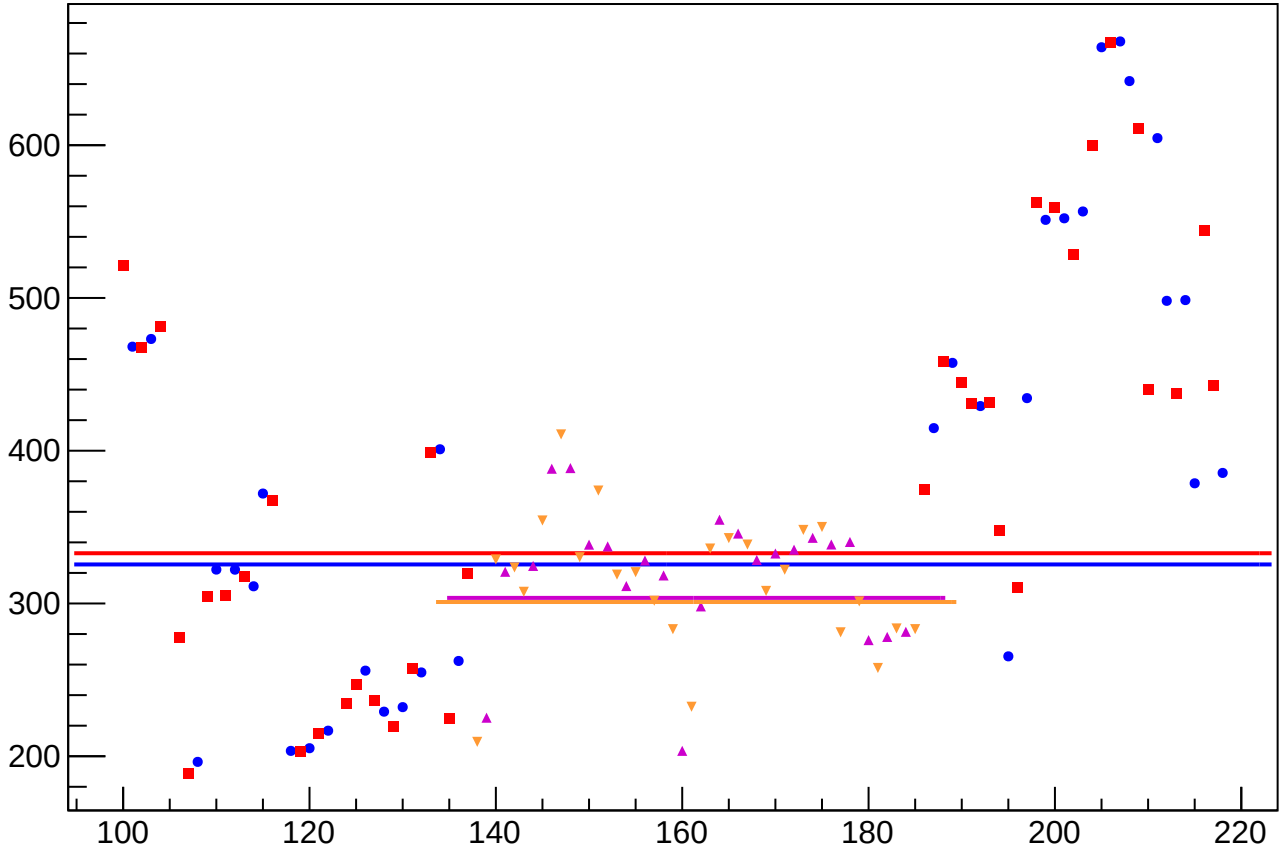
Right: 139929.189+/-0.056 χ^2/NDF: 5698300305.2/

In: 139755.924+/-0.054 χ^2/NDF:4790453288.9/54

Out: 139605.243+/-0.053 χ^2/NDF:5451236024.6/6

All: 139678.923+/-0.038 χ^2/NDF: 10245705

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: 332.887+/-0.056 χ^2/NDF: 4844379.0/35

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

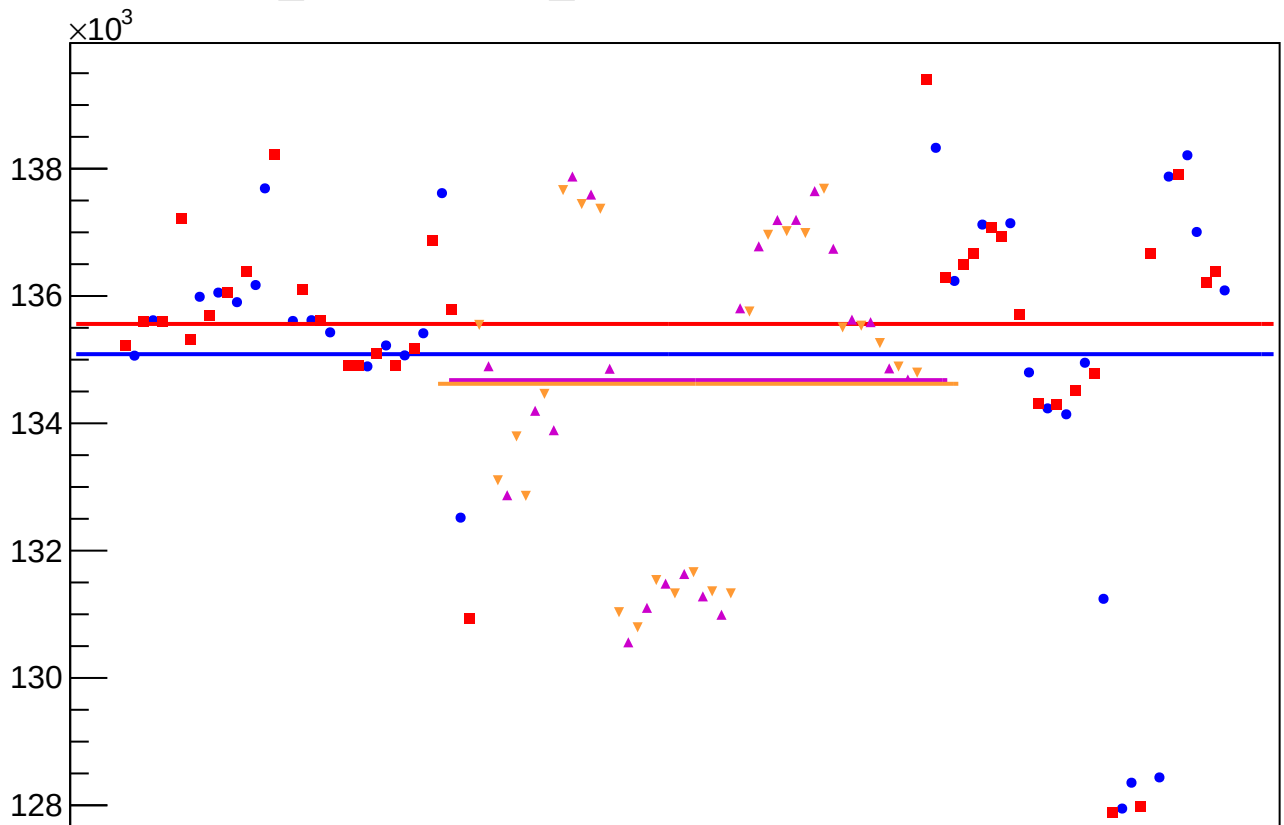
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 329.215+/-0.040 χ^2/NDF: 10169640.4/67

In: 313.667+/-0.038 χ^2/NDF:6375355.0/54

Out: 314.890+/-0.037 χ^2/NDF:5902588.5/60

All: 314.292+/-0.027 χ^2/NDF: 12278473.0/11



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: 135561.082+/-0.070 χ^2/NDF: 785303504.1/35

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

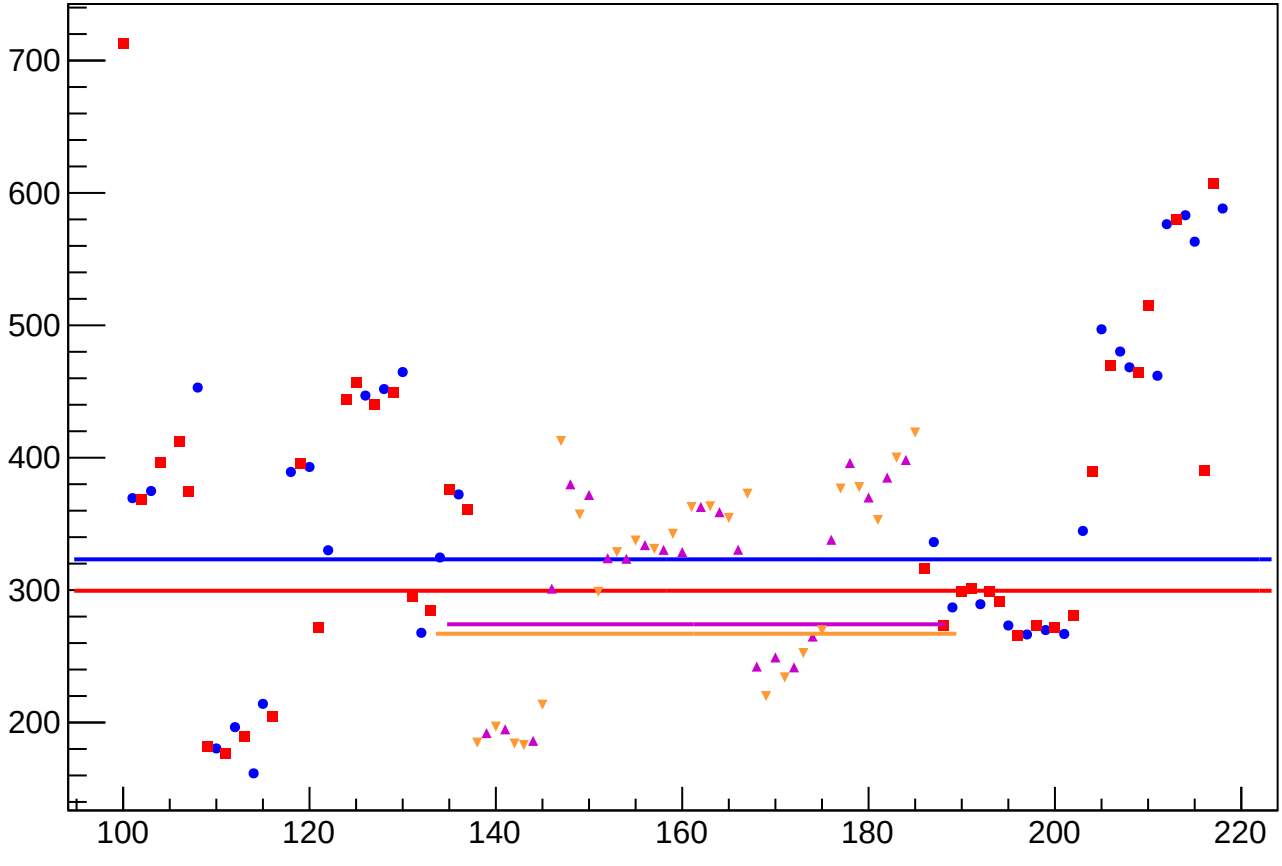
Right: 135344.325+/-0.052 χ^2/NDF: 1702795448.2/

In: 134854.879+/-0.050 χ^2/NDF:2008987903.0/54

Out: 135045.618+/-0.047 χ^2/NDF:2085065430.5/6

All: 134956.492+/-0.034 χ^2/NDF: 41016857

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: 299.522+/-0.050 χ^2/NDF: 3752157.4/35

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

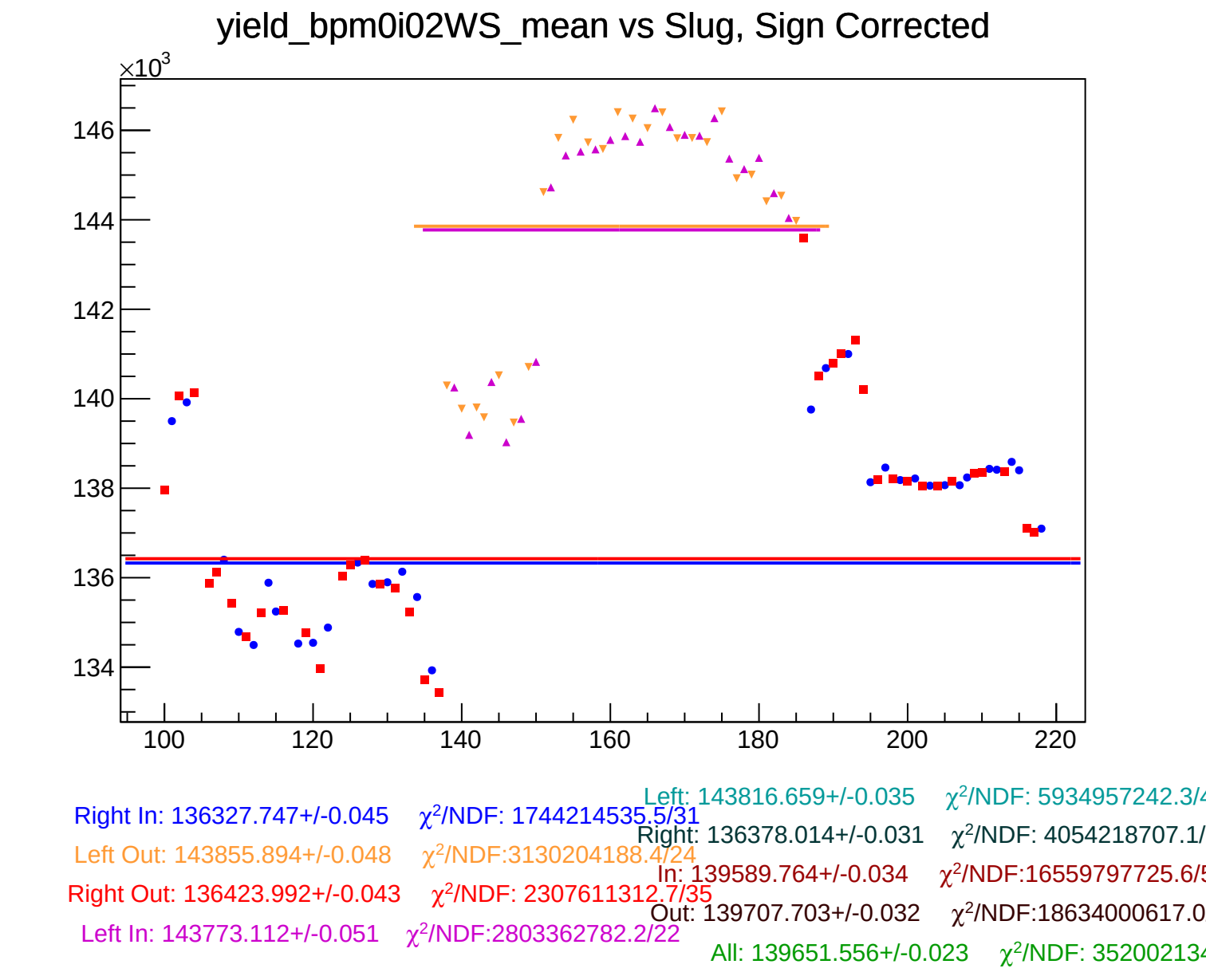
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 310.349+/-0.037 χ^2/NDF: 7804884.6/67

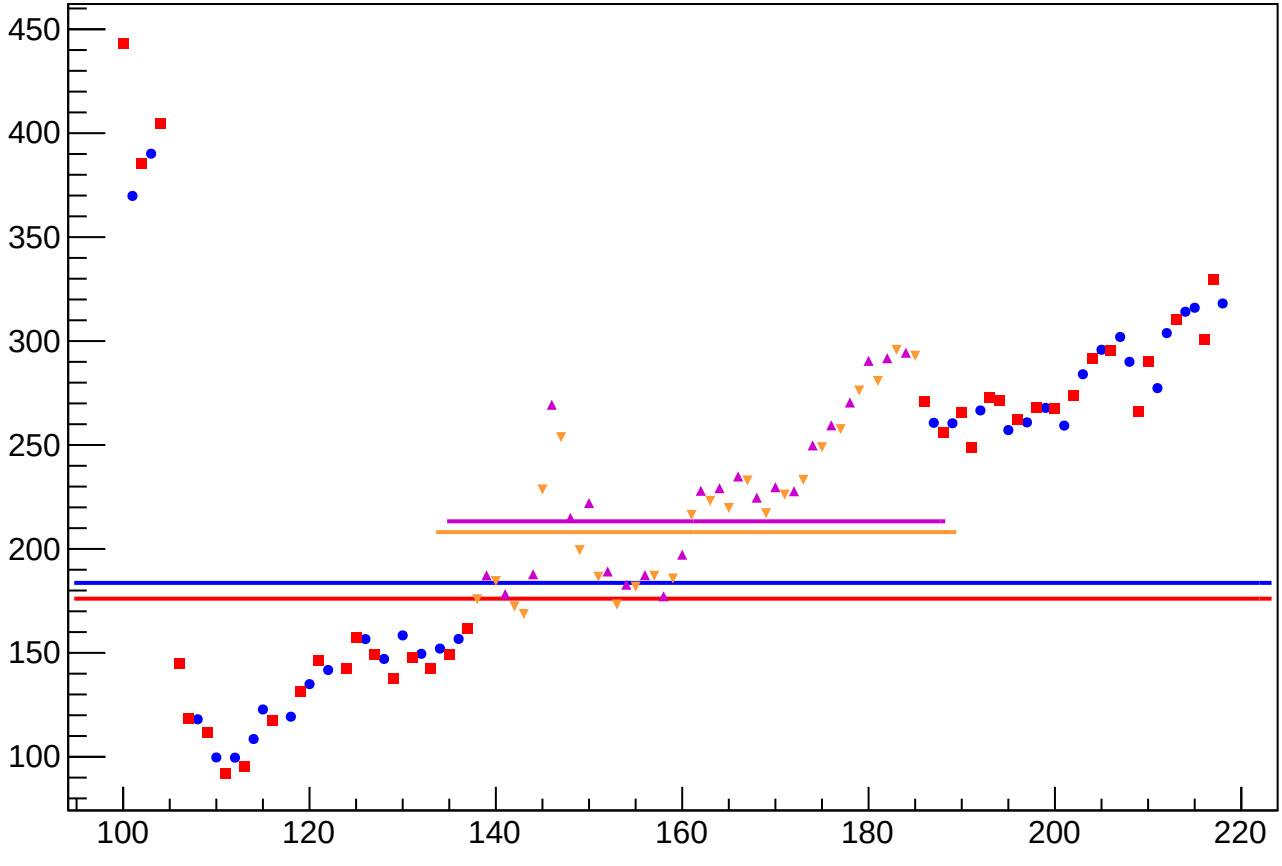
In: 295.399+/-0.036 χ^2/NDF:6650663.5/54

Out: 281.719+/-0.033 χ^2/NDF:6829903.5/60

All: 288.111+/-0.024 χ^2/NDF: 13559094.4/11


yield_bpm0i02WS_mean vs Slug, Sign Corrected
×10^3
146
144
142
140
138
136
134
100
120
140
160
180
200
220
Right In: 136327.747+/-0.045 χ²/NDF: 1744214535.5/31
Left Out: 143855.894+/-0.048 χ²/NDF:3130204188.4/24
Right Out: 136423.992+/-0.043 χ²/NDF: 2307611312.7/35
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
Left: 143816.659+/-0.035 χ²/NDF: 5934957242.3/4
Right: 136378.014+/-0.031 χ²/NDF: 4054218707.1/
In: 139589.764+/-0.034 χ²/NDF:16559797725.6/5
Out: 139707.703+/-0.032 χ²/NDF:18634000617.0
All: 139651.556+/-0.023 χ²/NDF: 35200213

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: 176.088+/-0.030 χ^2/NDF: 6725500.0/35

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

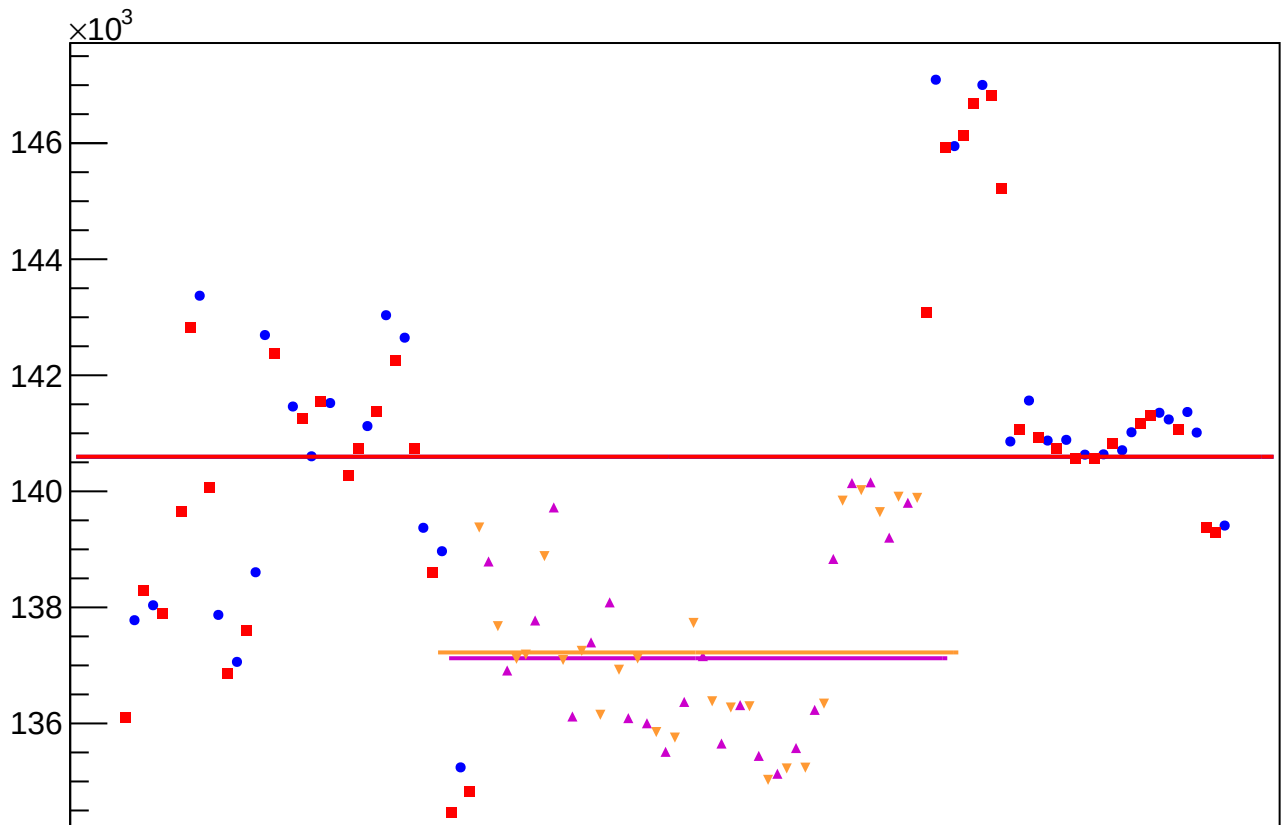
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 179.713+/-0.022 χ^2/NDF: 12902958.7/67

In: 196.650+/-0.024 χ^2/NDF:7393222.8/54

Out: 190.232+/-0.023 χ^2/NDF:8208204.5/60

All: 193.288+/-0.016 χ^2/NDF: 15639423.9/11



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: 140597.284+/-0.048 χ^2/NDF: 3268996365.9/35

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

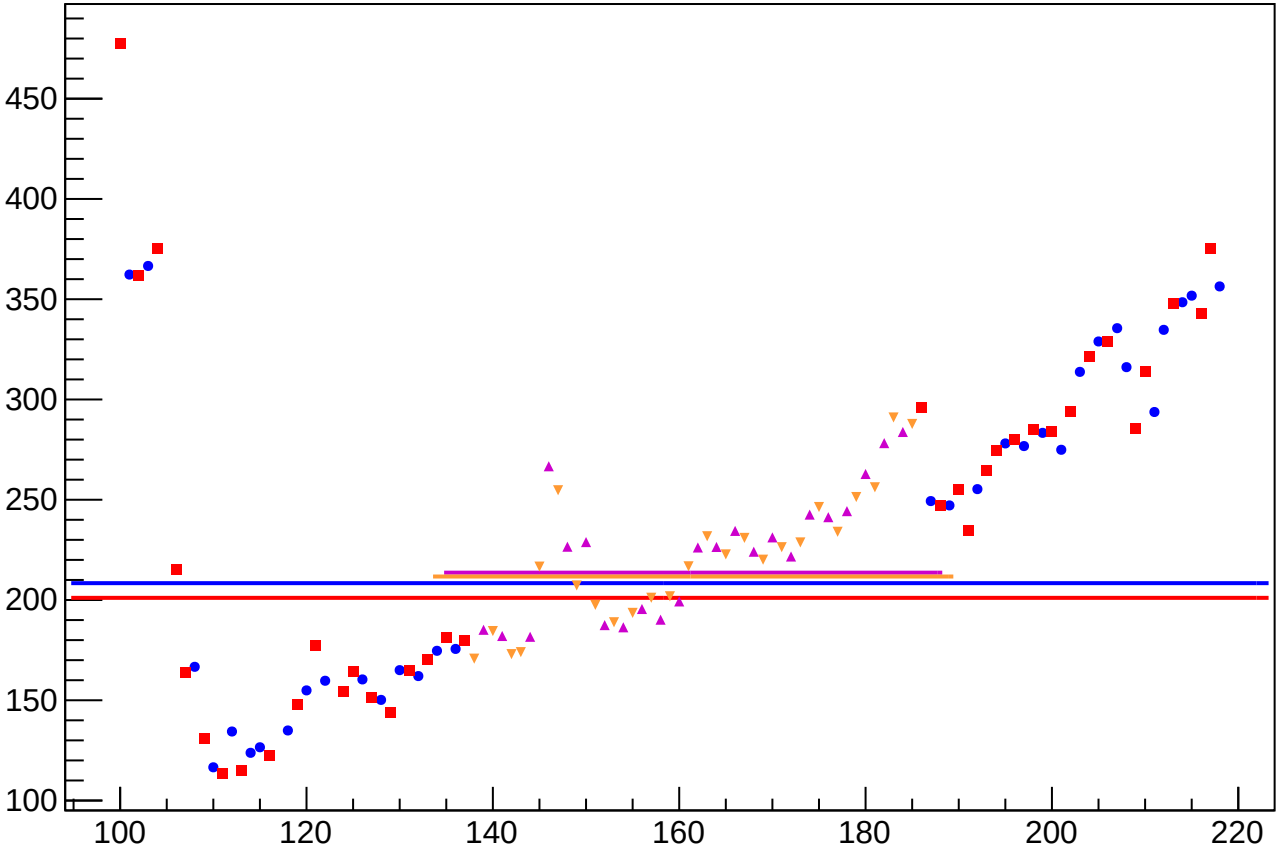
Right: 140596.242+/-0.035 χ^2/NDF: 6102462516.2/

In: 138883.585+/-0.036 χ^2/NDF:6051801140.2/54

Out: 138939.598+/-0.034 χ^2/NDF:6570007903.8/6

All: 138912.680+/-0.025 χ^2/NDF: 12623084

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: 201.076+/-0.034 χ^2/NDF: 5430979.6/35

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

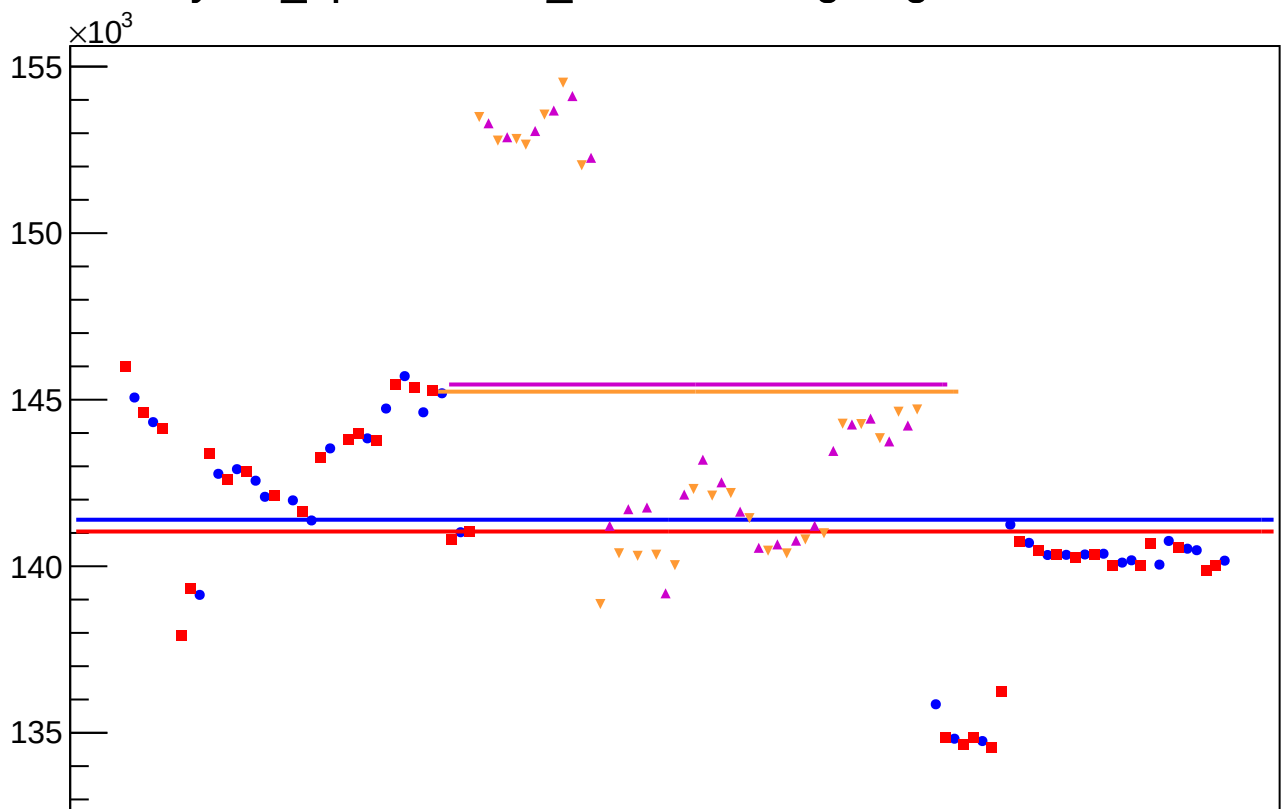
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 204.591+/-0.025 χ^2/NDF: 10436983.7/67

In: 210.985+/-0.025 χ^2/NDF:5615915.2/54

Out: 206.303+/-0.024 χ^2/NDF:6154419.8/60

All: 208.553+/-0.018 χ^2/NDF: 11788156.8/11



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: 141043.215+/-0.047 χ^2/NDF: 4446304215.2/35

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

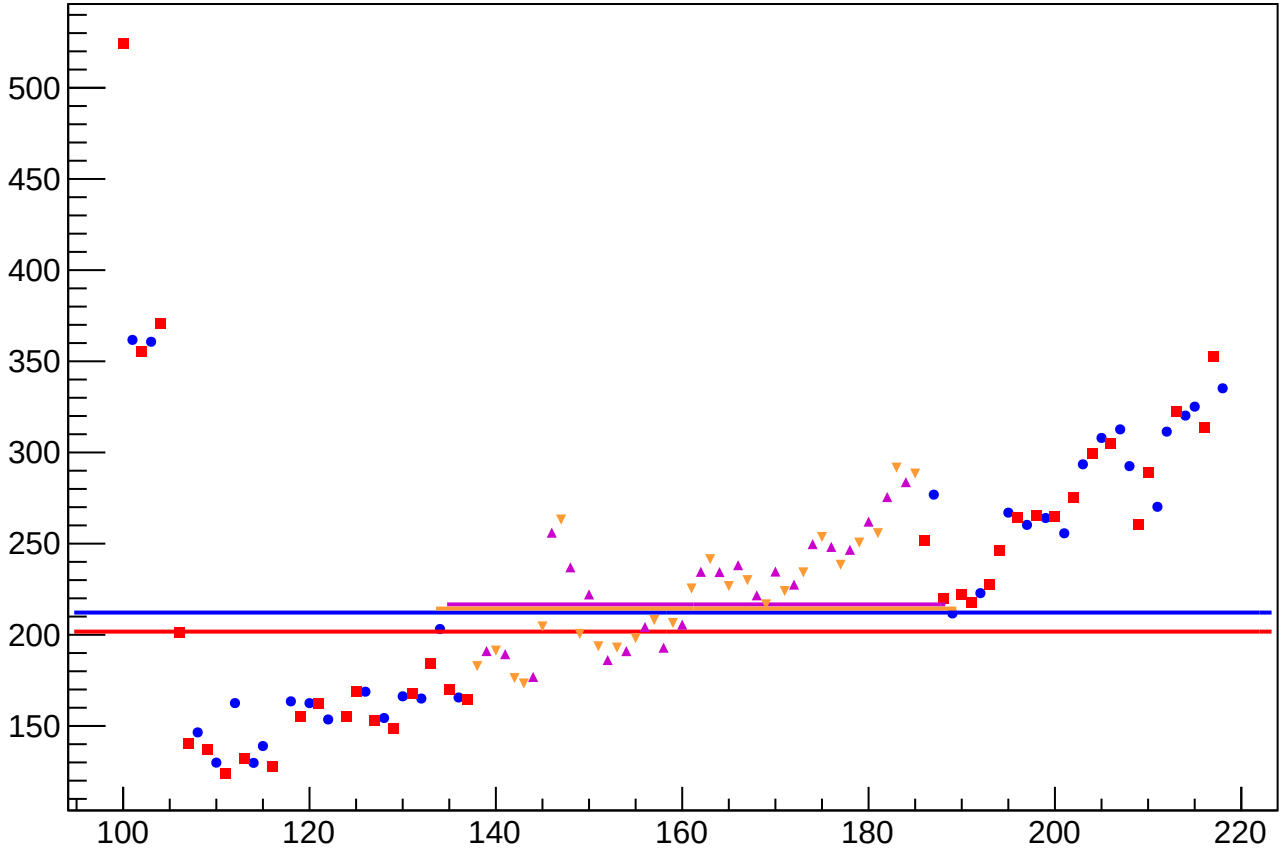
Right: 141210.379+/-0.034 χ^2/NDF: 7328423133.6/

In: 143369.853+/-0.036 χ^2/NDF:17113159122.6/5

Out: 143048.443+/-0.034 χ^2/NDF:21220774541.6

All: 143201.532+/-0.025 χ^2/NDF: 38375780

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: 201.747+/-0.034 χ^2/NDF: 3990276.9/35

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

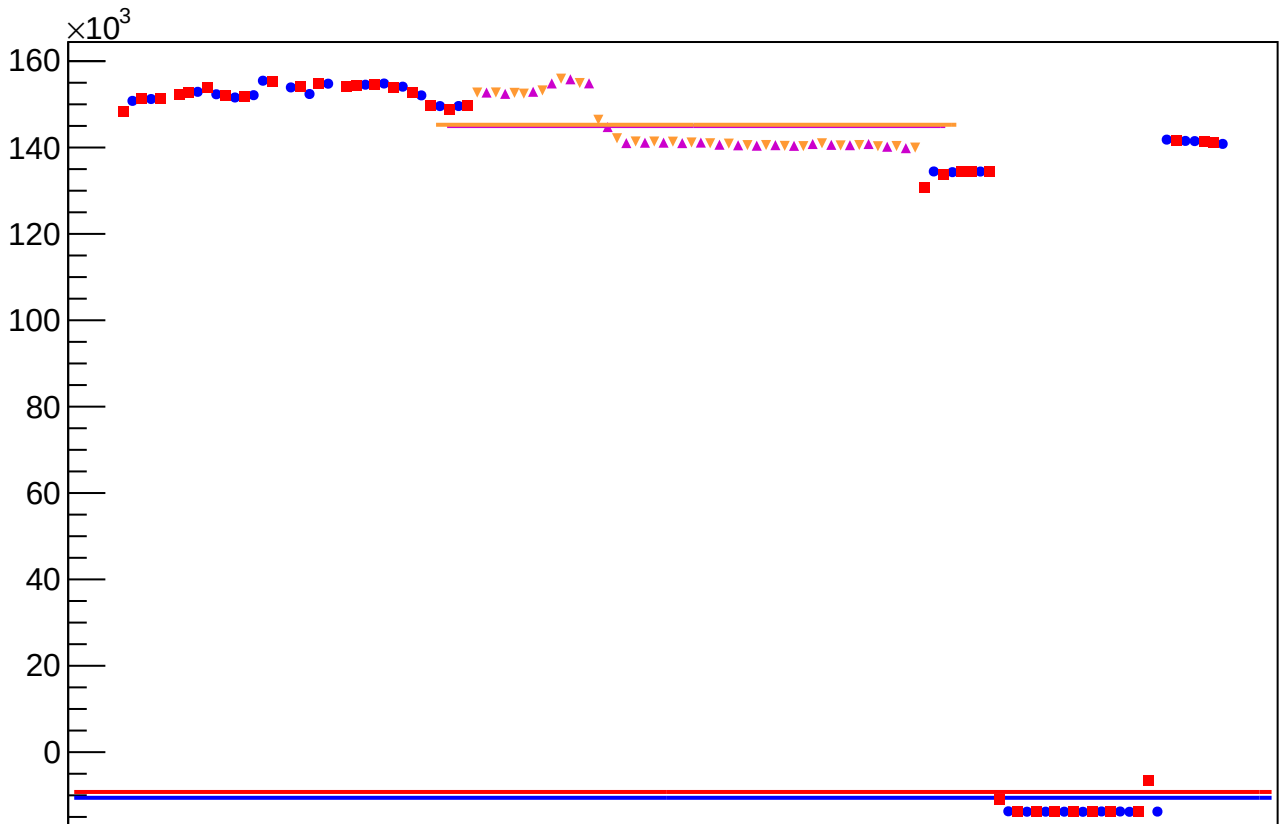
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 206.682+/-0.024 χ^2/NDF: 7641022.2/67

In: 214.363+/-0.025 χ^2/NDF:4199761.6/54

Out: 207.785+/-0.024 χ^2/NDF:4701511.9/60

All: 210.918+/-0.018 χ^2/NDF: 8936327.0/115



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: -9217.381+/-0.009 χ^2/NDF: 7686356218932.6/35

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

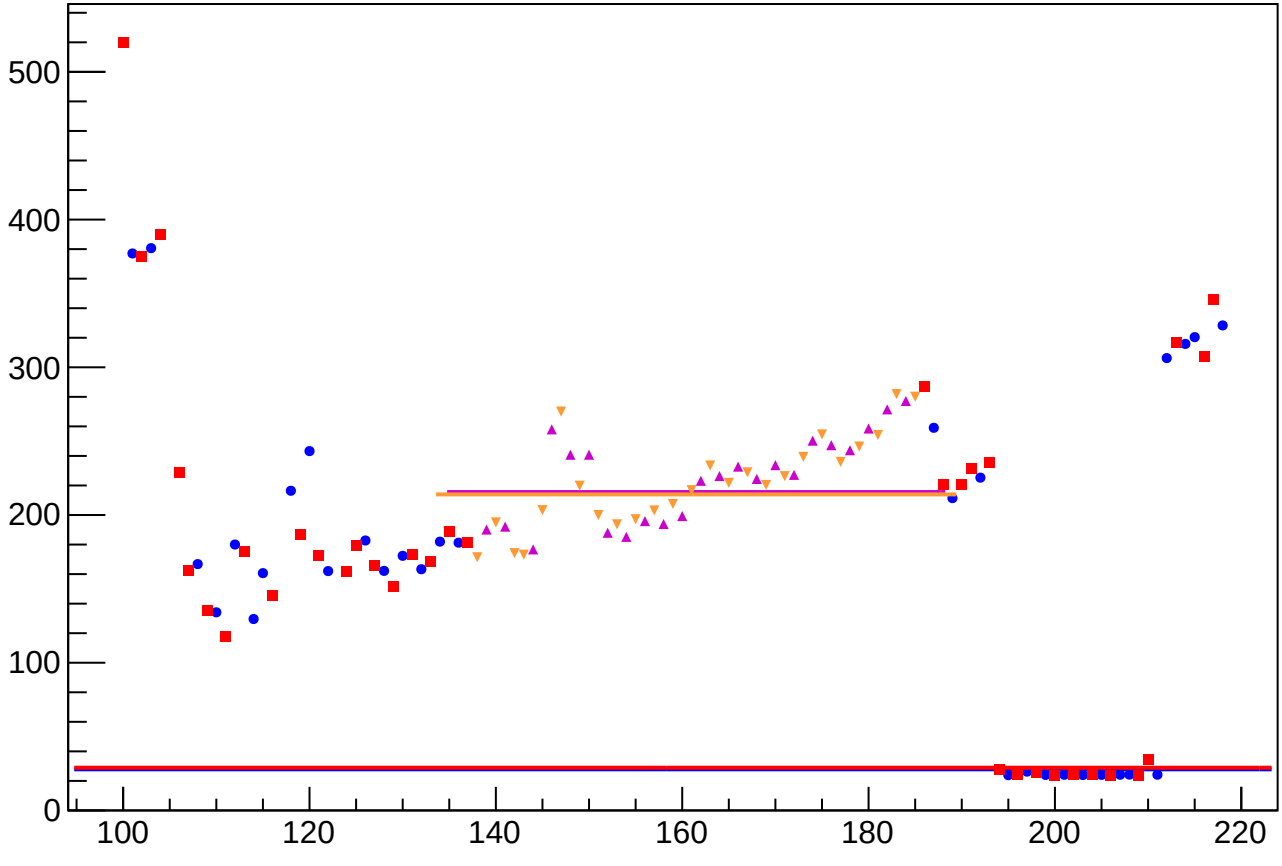
Right: -9940.216+/-0.006 χ^2/NDF: 1438136731483

In: -6167.526+/-0.009 χ^2/NDF:15662596223192.4

Out: -3843.378+/-0.009 χ^2/NDF:17144451239838

All: -5083.416+/-0.006 χ^2/NDF: 3284101458

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: 28.933+/-0.007 χ^2/NDF: 18653602.7/35

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

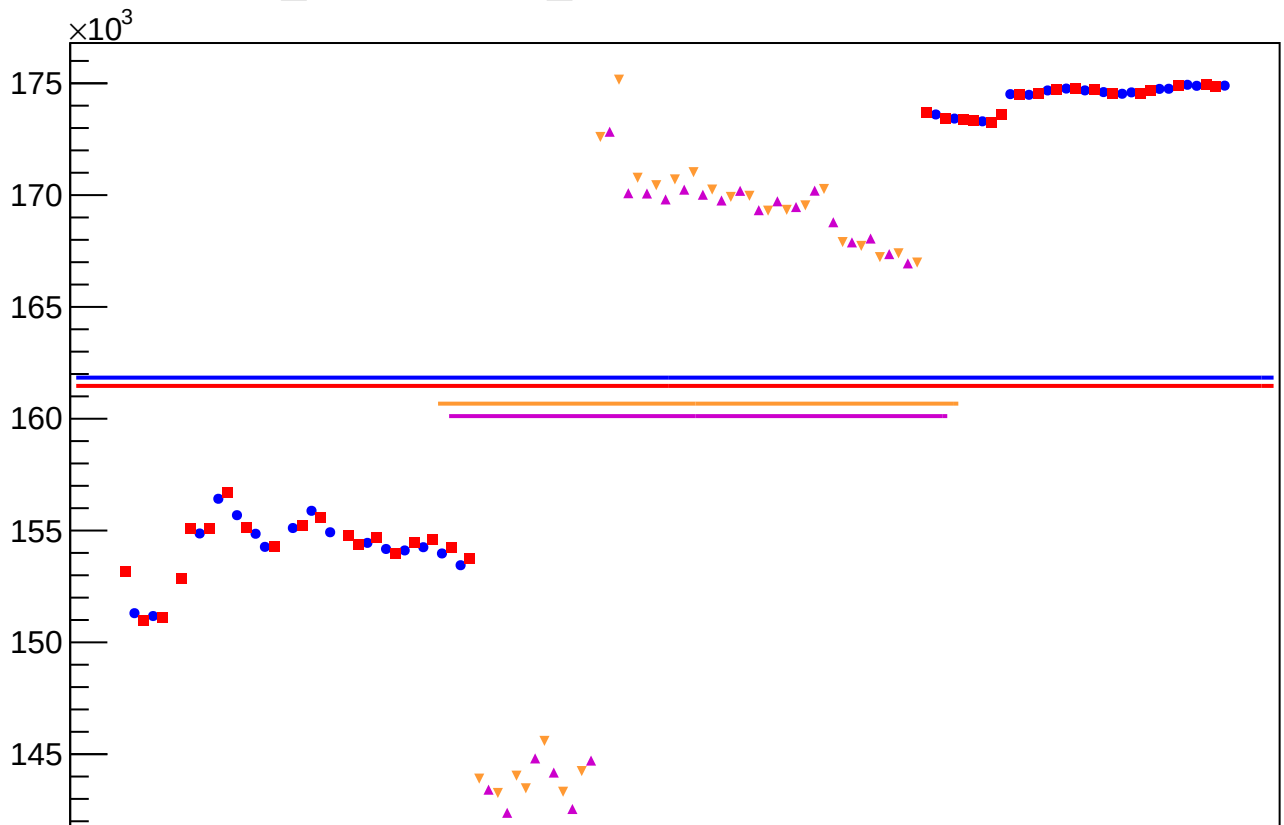
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.352+/-0.005 χ^2/NDF: 37193709.6/67

In: 33.158+/-0.006 χ^2/NDF:45238273.1/54

Out: 35.369+/-0.007 χ^2/NDF:46396481.0/60

All: 34.190+/-0.004 χ^2/NDF: 91696253.4/115



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: 161467.949+/-0.050 χ^2/NDF: 35215514441.7/35

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

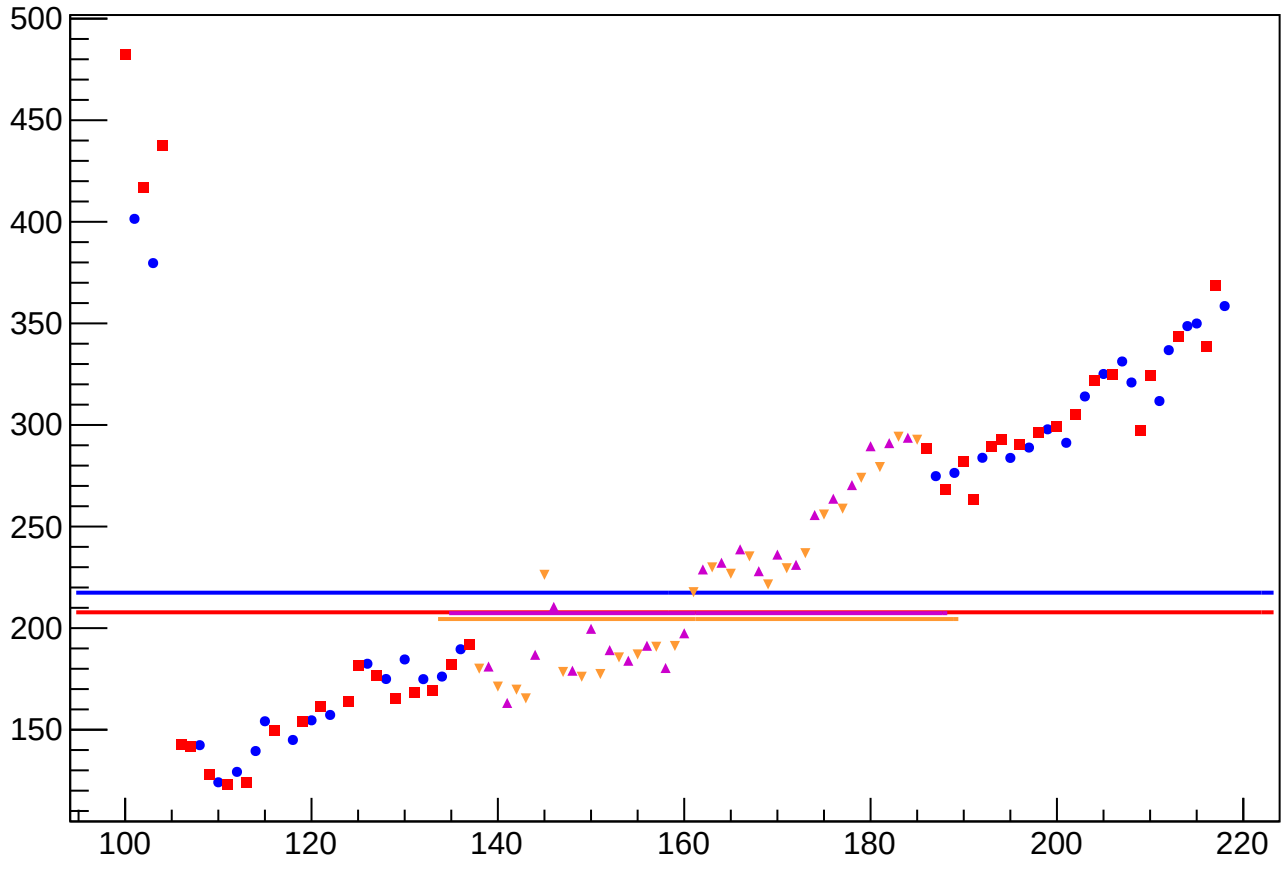
Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

Right: 161643.466+/-0.036 χ^2/NDF: 68548136672.5

In: 160931.084+/-0.036 χ^2/NDF:100433060675.3

Out: 161053.992+/-0.034 χ^2/NDF:109504547236.

All: 160995.391+/-0.025 χ^2/NDF: 209943752



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: 207.790+/-0.035 χ^2/NDF: 5429989.8/35

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

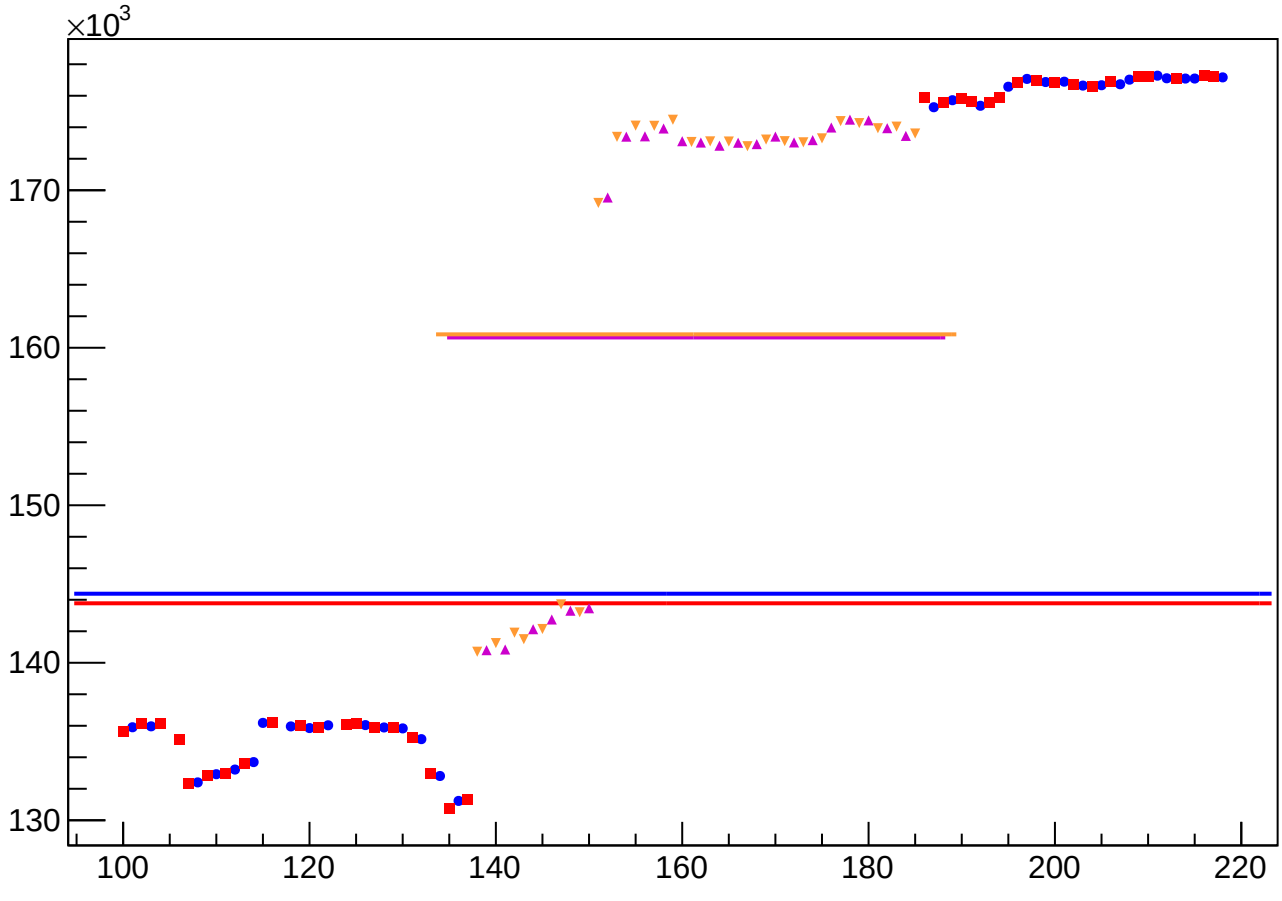
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 212.372+/-0.025 χ^2/NDF: 10322412.8/67

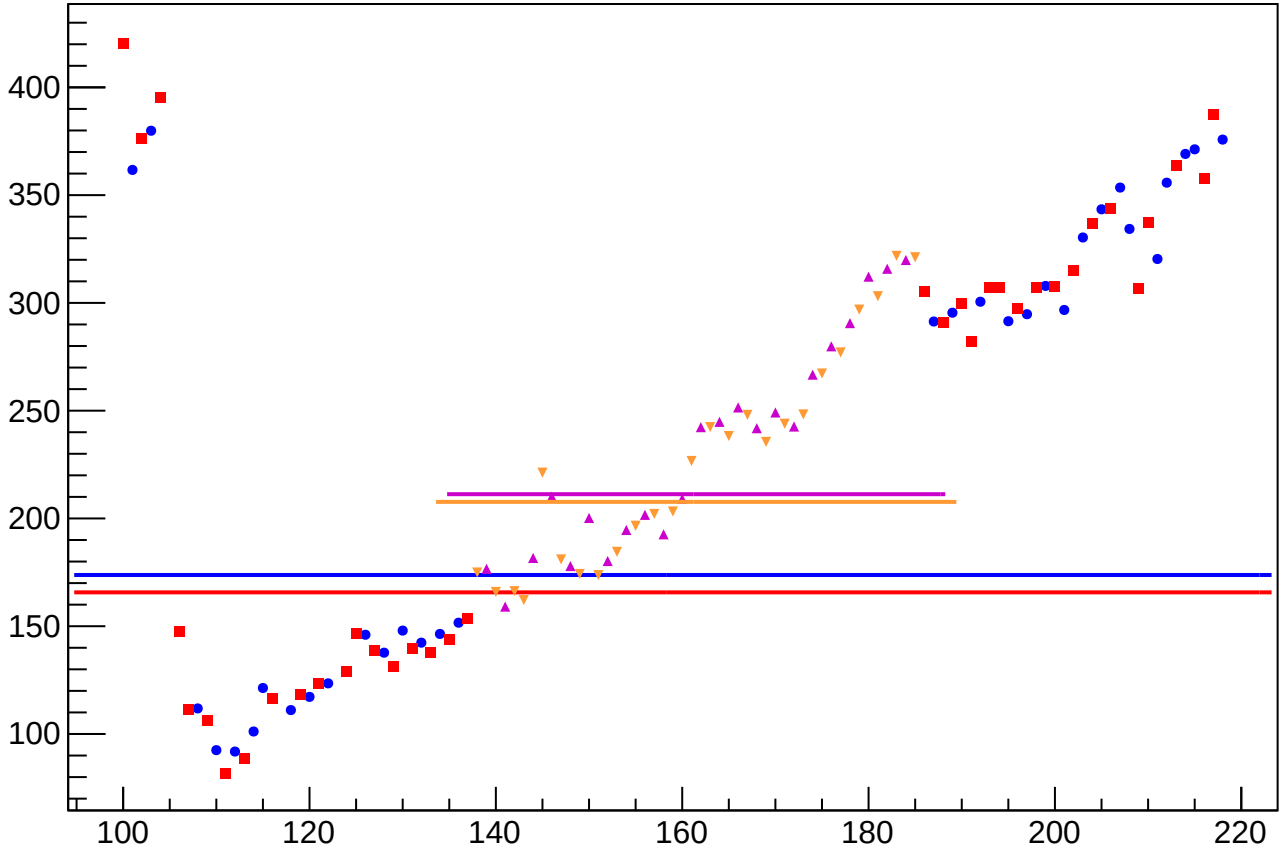
In: 212.138+/-0.025 χ^2/NDF:5852378.0/54

Out: 206.060+/-0.024 χ^2/NDF:6507864.0/60

All: 208.958+/-0.018 χ^2/NDF: 12390285.2/11


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: 143775.909+/-0.042 χ²/NDF: 177653637412.1/35
Left In: 160654.189+/-0.051 χ²/NDF:90149721861.0/22
Left: 160756.959+/-0.035 χ²/NDF: 189360447861.
Right: 144064.922+/-0.031 χ²/NDF: 344919067483
In: 151453.273+/-0.033 χ²/NDF:315768802034.2
Out: 151146.149+/-0.032 χ²/NDF:347510734773.
All: 151292.458+/-0.023 χ²/NDF: 66332923

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: 165.710+/-0.030 χ^2/NDF: 9584221.1/35

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

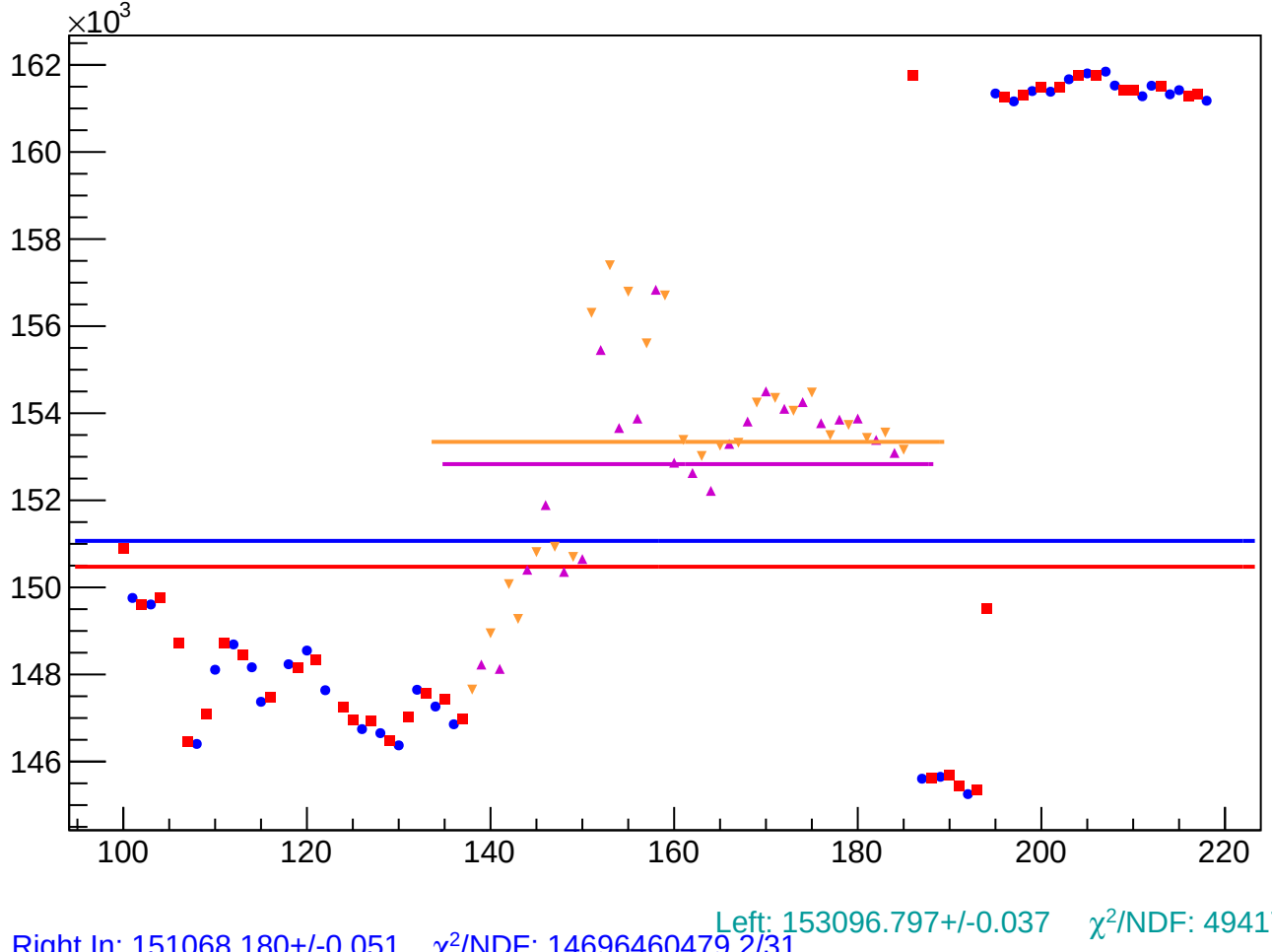
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 169.539+/-0.022 χ^2/NDF: 18546656.4/67

In: 190.056+/-0.024 χ^2/NDF:10854081.7/54

Out: 183.830+/-0.022 χ^2/NDF:11939009.6/60

All: 186.796+/-0.016 χ^2/NDF: 22829572.1/11



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: 150474.488+/-0.049 χ^2/NDF: 13877688794.4/35

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

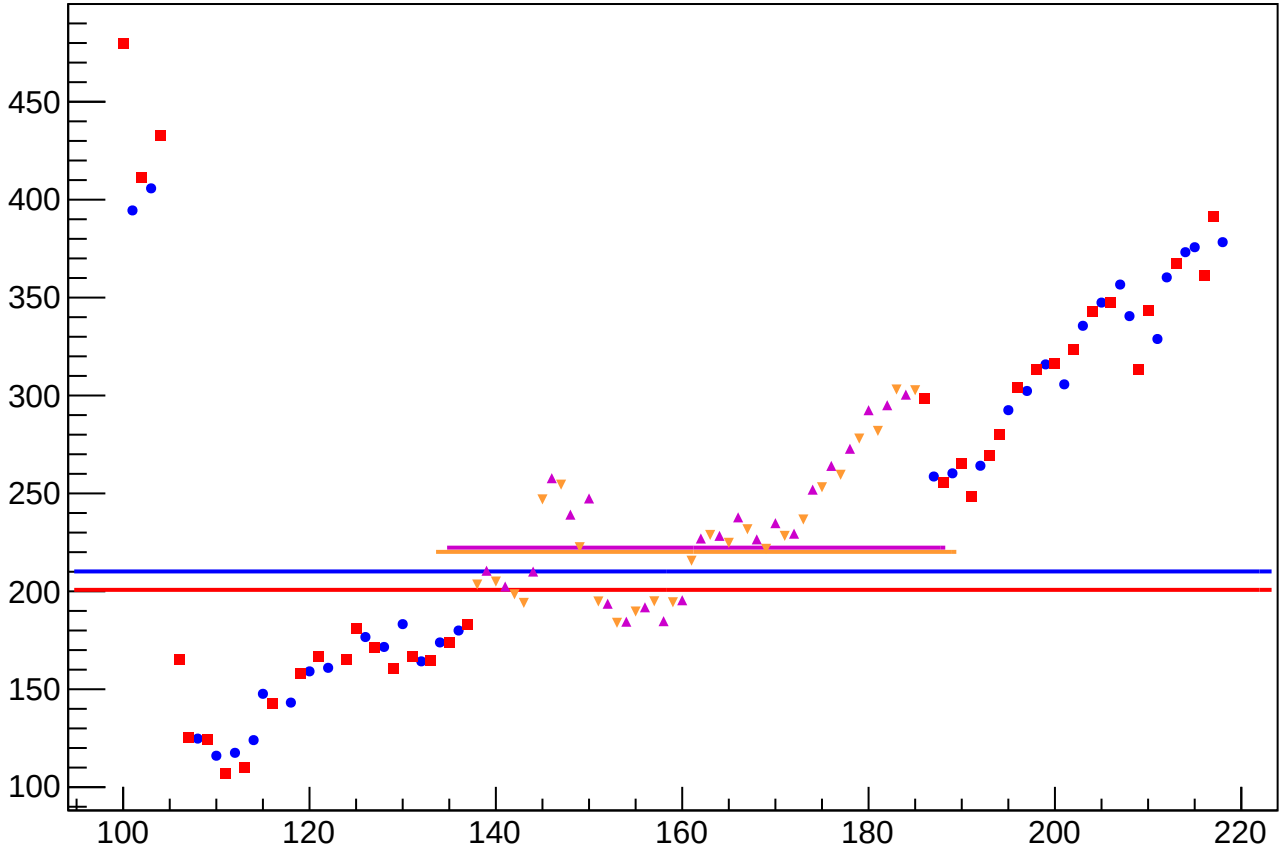
Right: 150755.733+/-0.035 χ^2/NDF: 28644544742.5

In: 151924.956+/-0.037 χ^2/NDF:17184155388.4/5

Out: 151848.045+/-0.035 χ^2/NDF:18517177312.2

All: 151884.738+/-0.025 χ^2/NDF: 35703616

yield_bpm1i06WS_rms vs Slug, Sign Corrected



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: 200.753+/-0.034 χ^2/NDF: 6535758.1/35

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

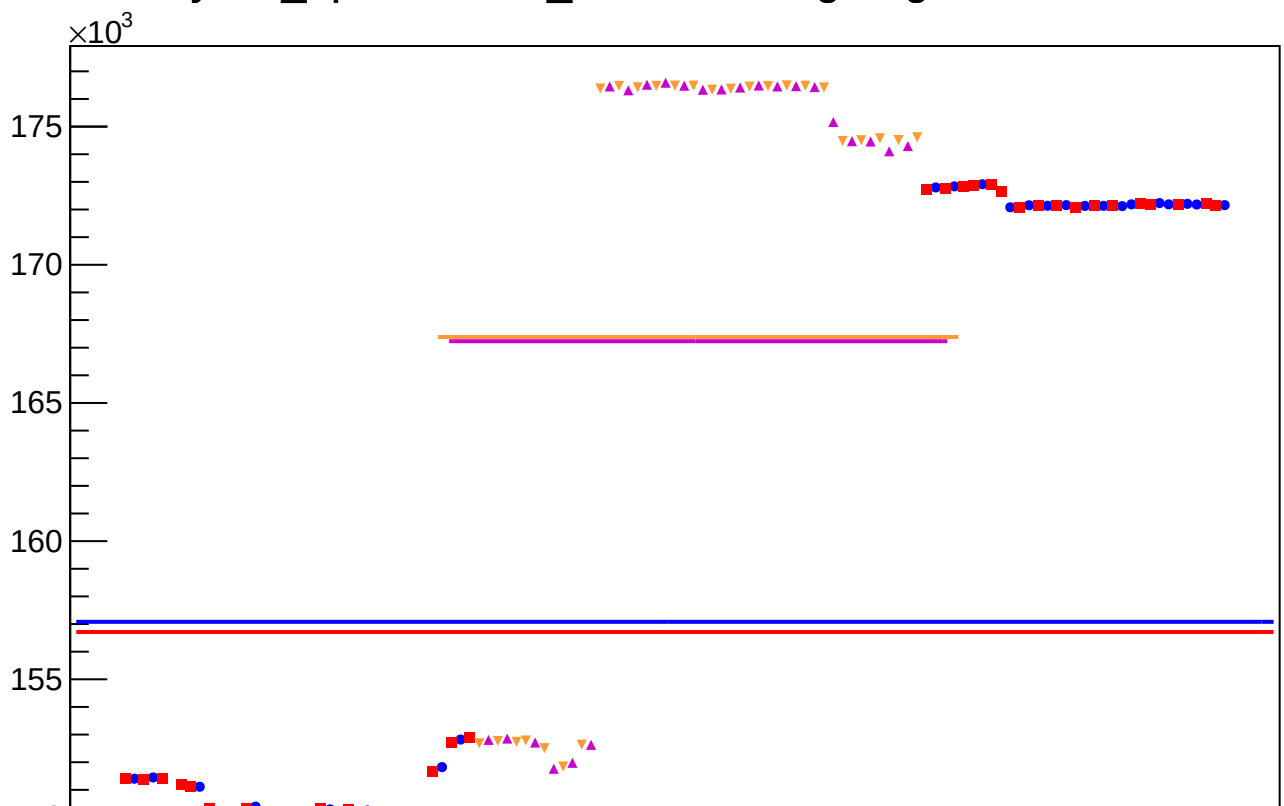
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 205.209+/-0.025 χ^2/NDF: 12674614.4/67

In: 216.061+/-0.026 χ^2/NDF:6855520.9/54

Out: 210.045+/-0.025 χ^2/NDF:7373380.9/60

All: 212.915+/-0.018 χ^2/NDF: 14256836.1/11



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: 156712.911+/-0.043 χ^2/NDF: 51776835641.8/35

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

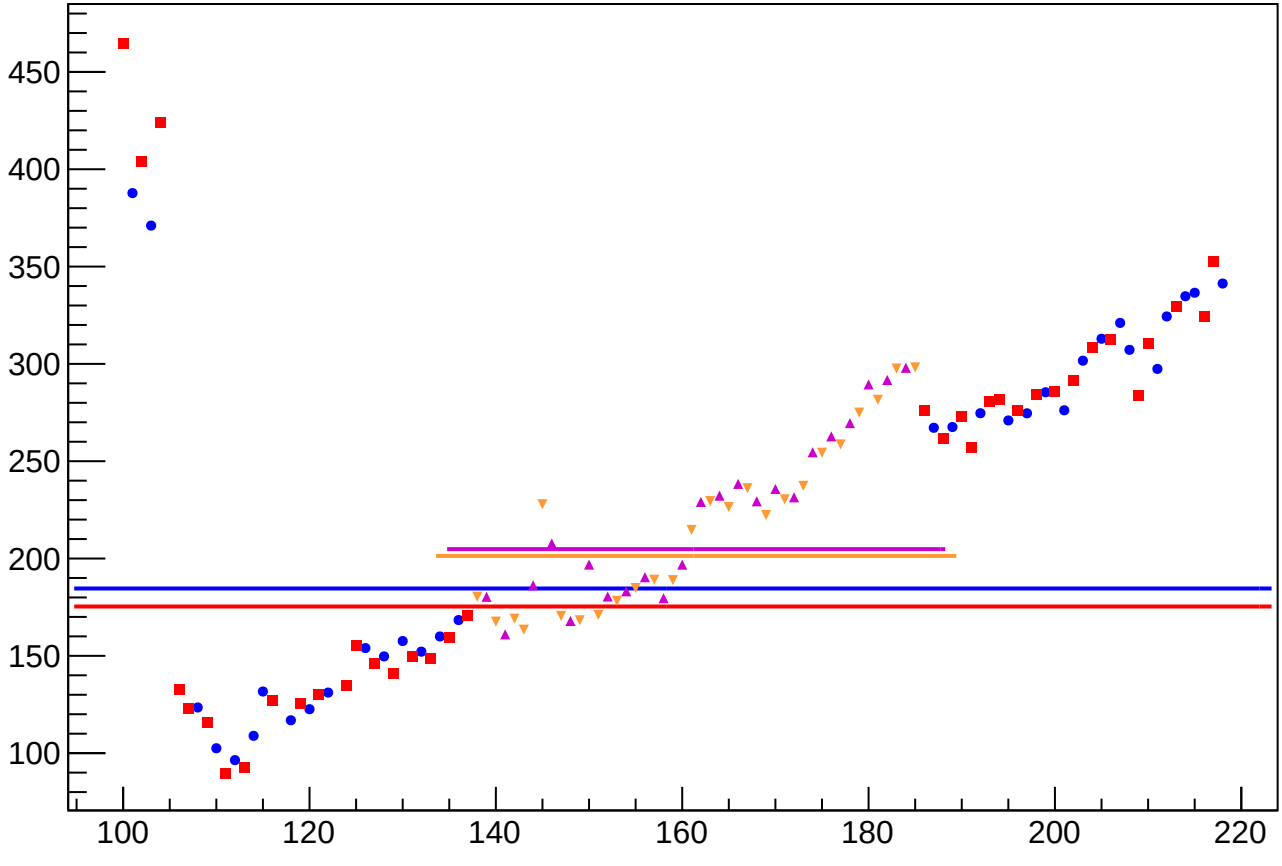
Right: 156886.491+/-0.031 χ^2/NDF: 99445169738.9

In: 161816.163+/-0.033 χ^2/NDF:125767316207.5

Out: 161629.389+/-0.032 χ^2/NDF:139508759298.

All: 161718.027+/-0.023 χ^2/NDF: 26529253

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: 175.349+/-0.031 χ^2/NDF: 7600813.2/35

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

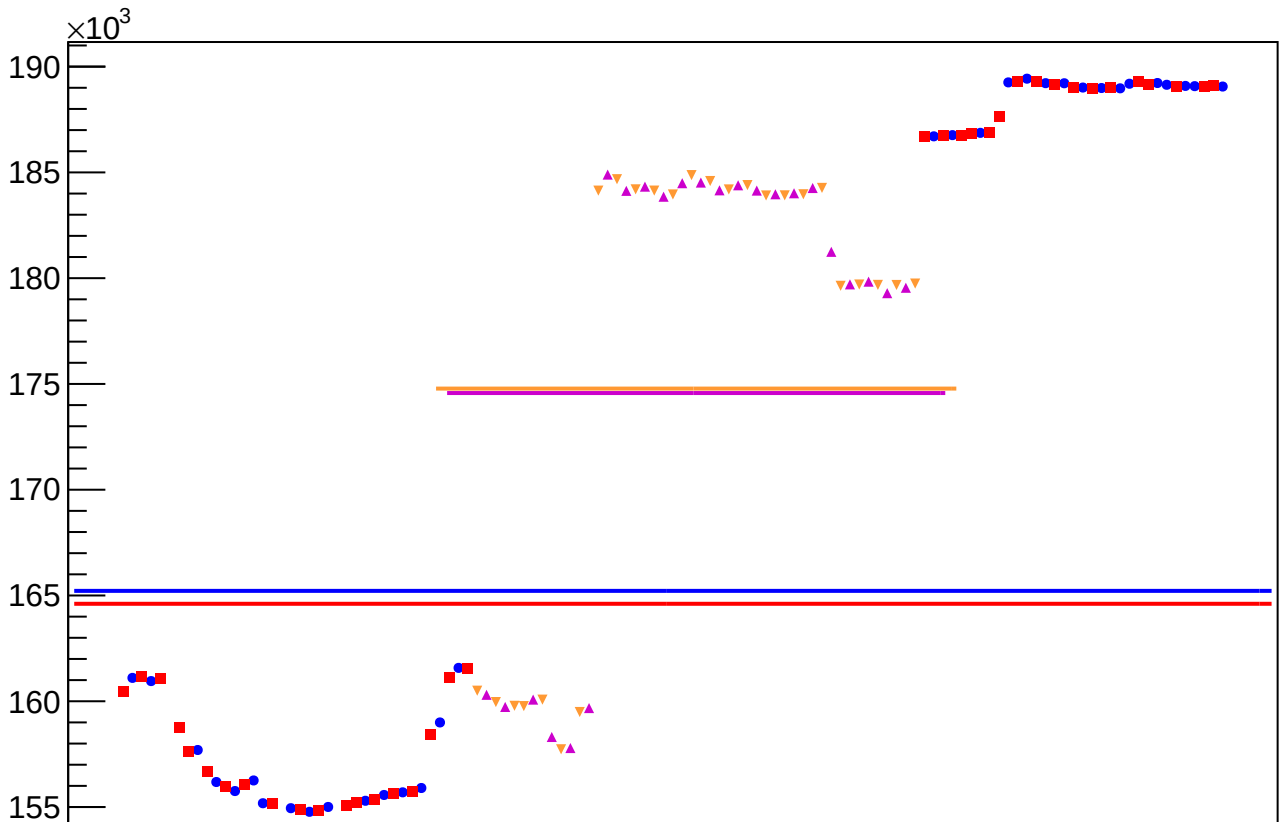
Right: 179.717+/-0.022 χ^2/NDF: 14537992.7/67

In: 194.035+/-0.024 χ^2/NDF:8129714.4/54

Out: 187.317+/-0.022 χ^2/NDF:9164821.3/60

All: 190.505+/-0.016 χ^2/NDF: 17337113.4/11

yield_bpm2i02WS_mean vs Slug, Sign Corrected



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: 164607.581+/-0.046 χ^2/NDF: 93559588218.9/35

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

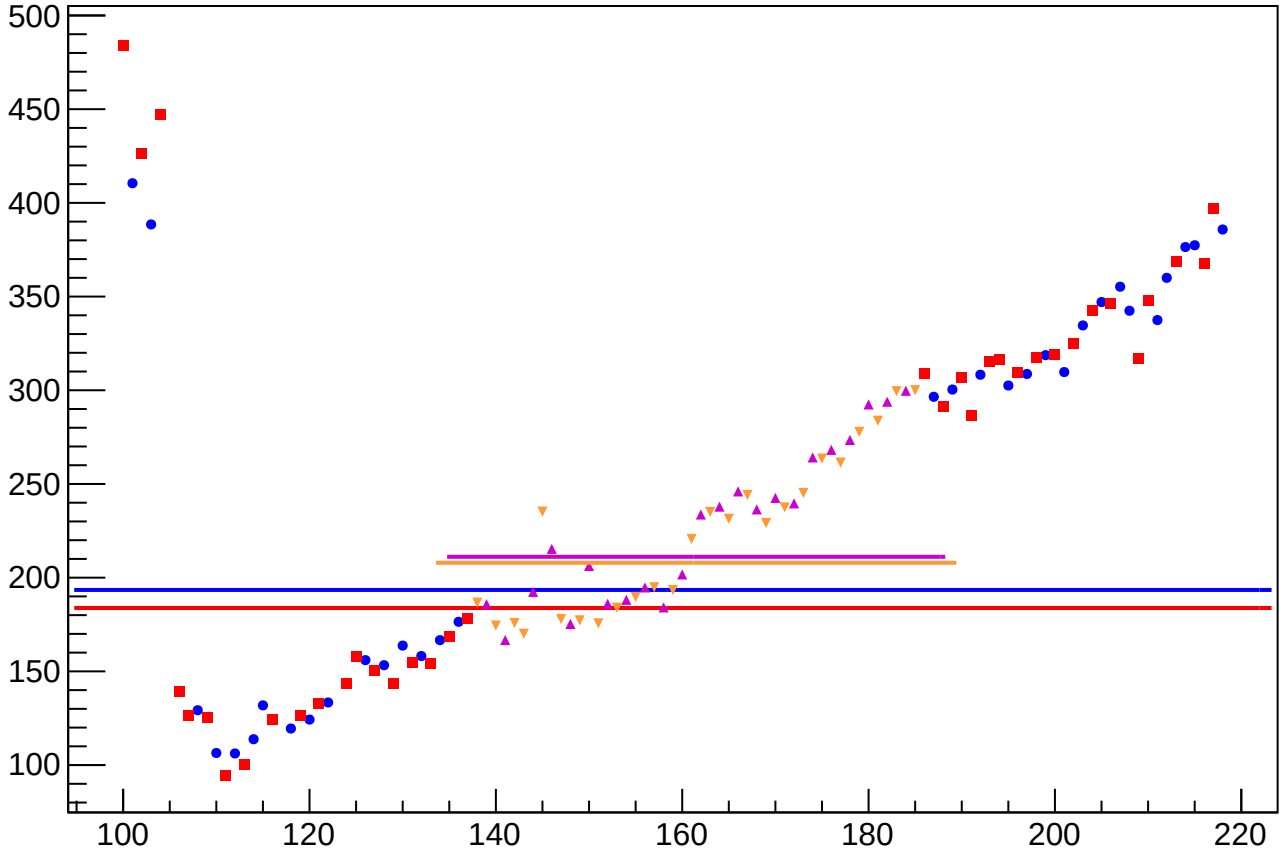
Right: 164895.652+/-0.033 χ^2/NDF: 18249423663

In: 169722.835+/-0.035 χ^2/NDF:161500182636.6

Out: 169441.031+/-0.033 χ^2/NDF:175067943779.

All: 169574.881+/-0.024 χ^2/NDF: 33660228

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: 183.813+/-0.032 χ^2/NDF: 8446976.0/35

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

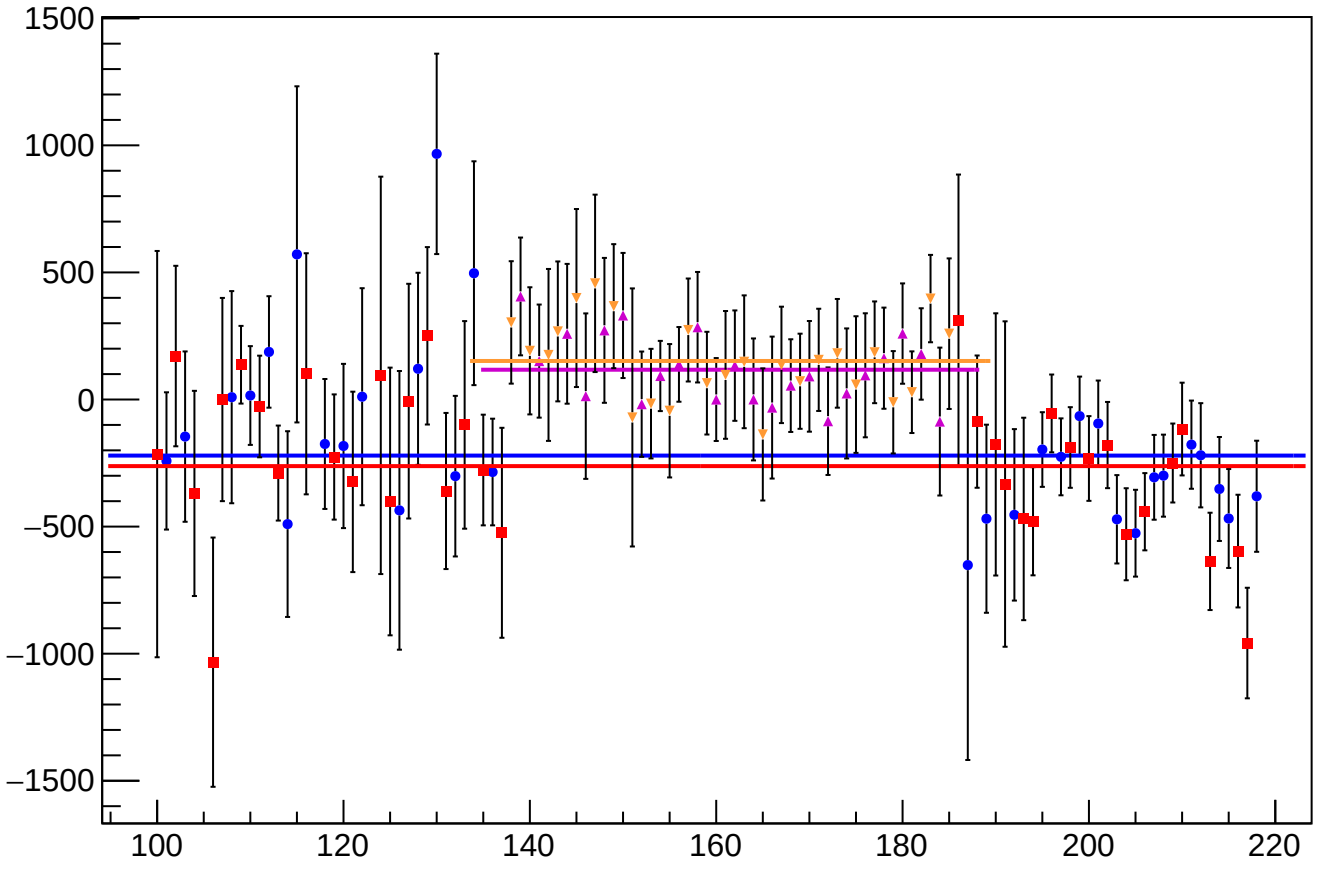
Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

Right: 188.362+/-0.024 χ^2/NDF: 16244267.1/67

In: 201.970+/-0.025 χ^2/NDF:8877207.0/54

Out: 195.276+/-0.023 χ^2/NDF:9842054.5/60

All: 198.455+/-0.017 χ^2/NDF: 18757810.0/1



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: -262.038+/-39.753 χ^2/NDF: 42.4/35

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

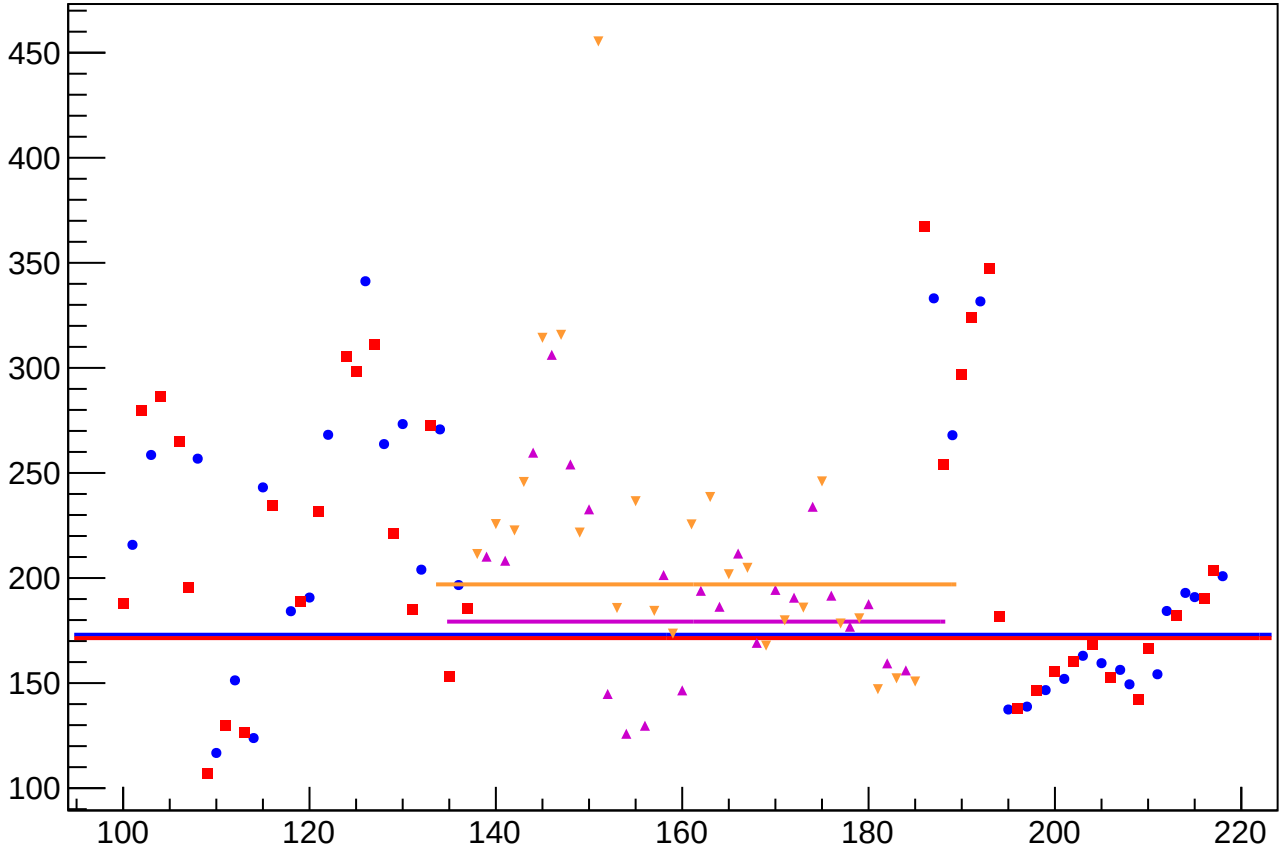
Right: -241.459+/-28.200 χ^2/NDF: 74.7/67

In: -66.886+/-29.534 χ^2/NDF:71.6/54

Out: -87.026+/-30.194 χ^2/NDF:97.8/60

All: -76.733+/-21.113 χ^2/NDF: 169.7/115

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: 171.398+/-0.028 χ^2/NDF: 3035097.7/35

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

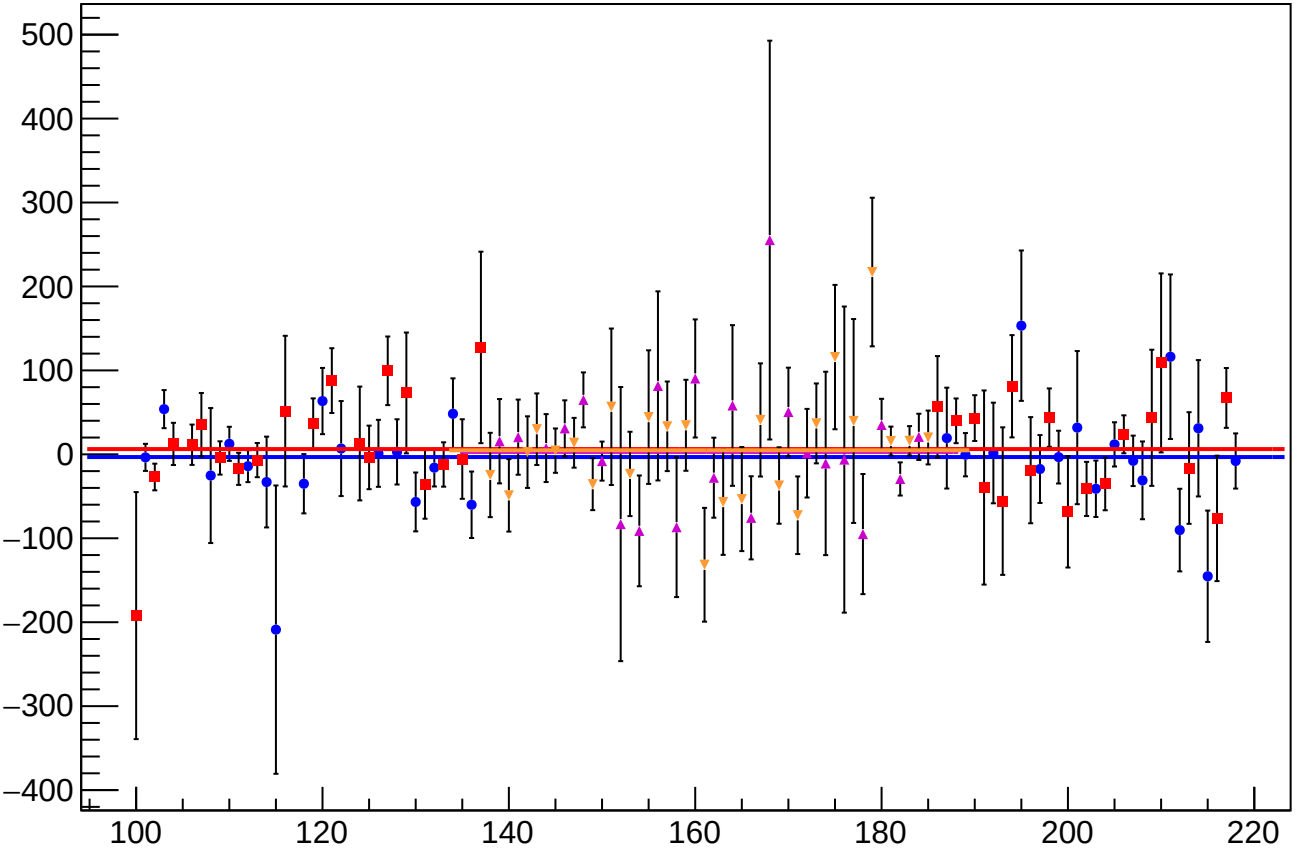
Right: 172.198+/-0.020 χ^2/NDF: 5378744.3/67

In: 175.852+/-0.021 χ^2/NDF:4020235.9/54

Out: 182.220+/-0.021 χ^2/NDF:5194709.1/60

All: 178.965+/-0.015 χ^2/NDF: 9260412.1/115

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: 6.271+/-5.589 χ^2/NDF: 42.5/35

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

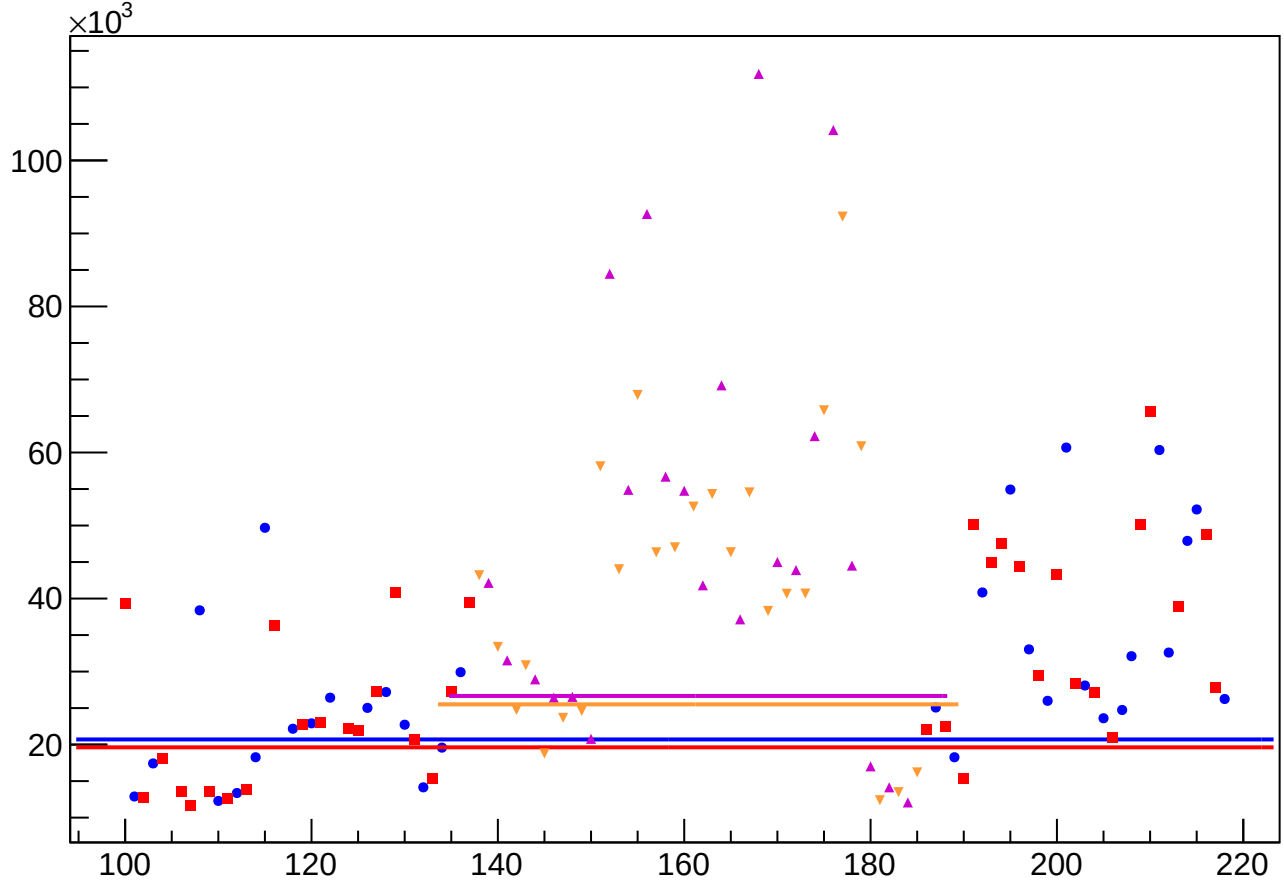
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 1.819+/-4.077 χ^2/NDF: 76.4/67

In: -1.319+/-4.942 χ^2/NDF:54.4/54

Out: 5.756+/-4.503 χ^2/NDF:66.8/60

All: 2.547+/-3.328 χ^2/NDF: 122.4/115



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: 19626.405+/-3.952 χ^2/NDF: 4795811.0/35

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

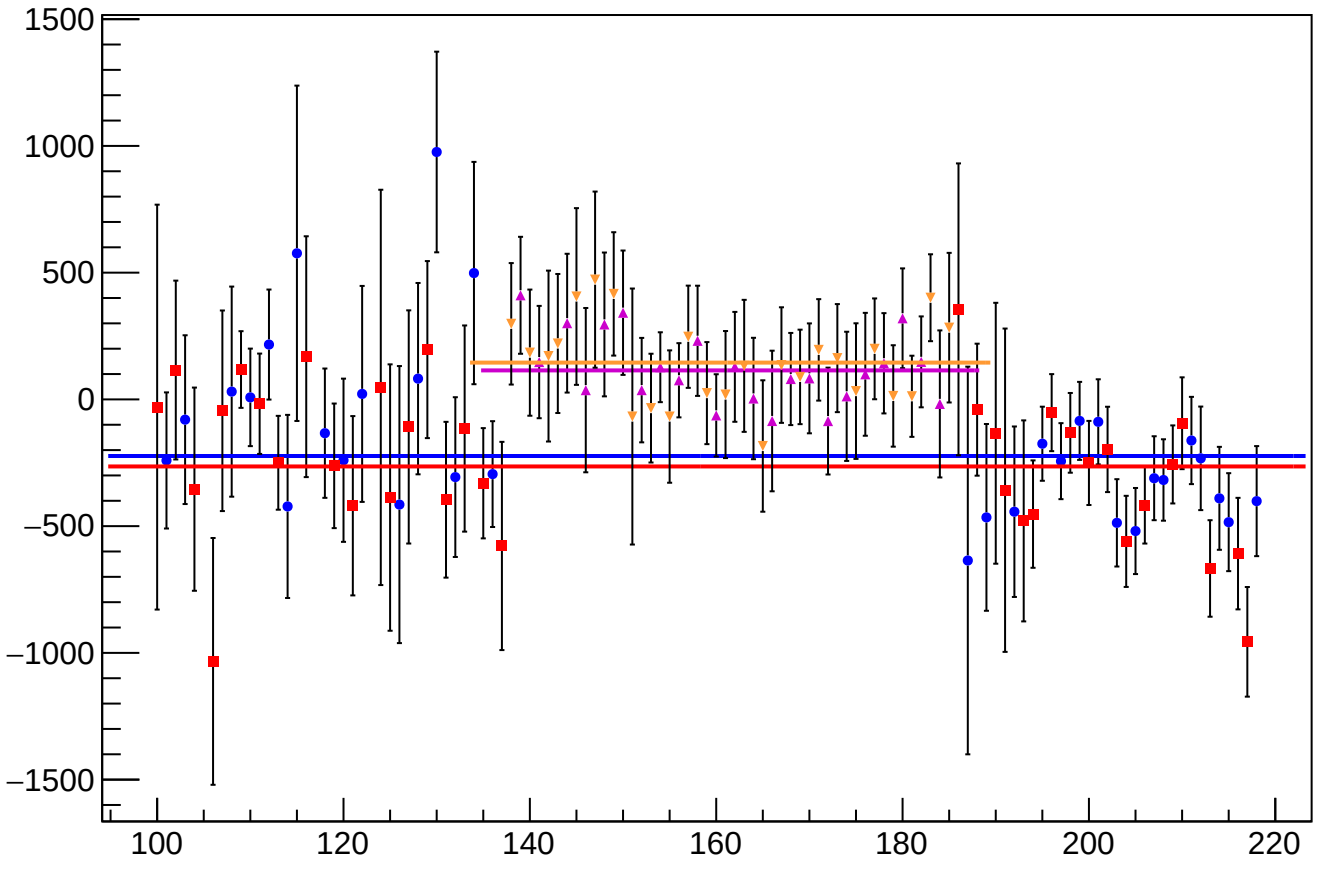
Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

Right: 20131.727+/-2.883 χ^2/NDF: 9037852.4/67

In: 22567.407+/-3.495 χ^2/NDF:10714068.8/54

Out: 21692.075+/-3.184 χ^2/NDF:13316880.1/60

All: 22089.117+/-2.354 χ^2/NDF: 24065231.0



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: -264.505+/-39.501 χ^2/NDF: 43.8/35

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

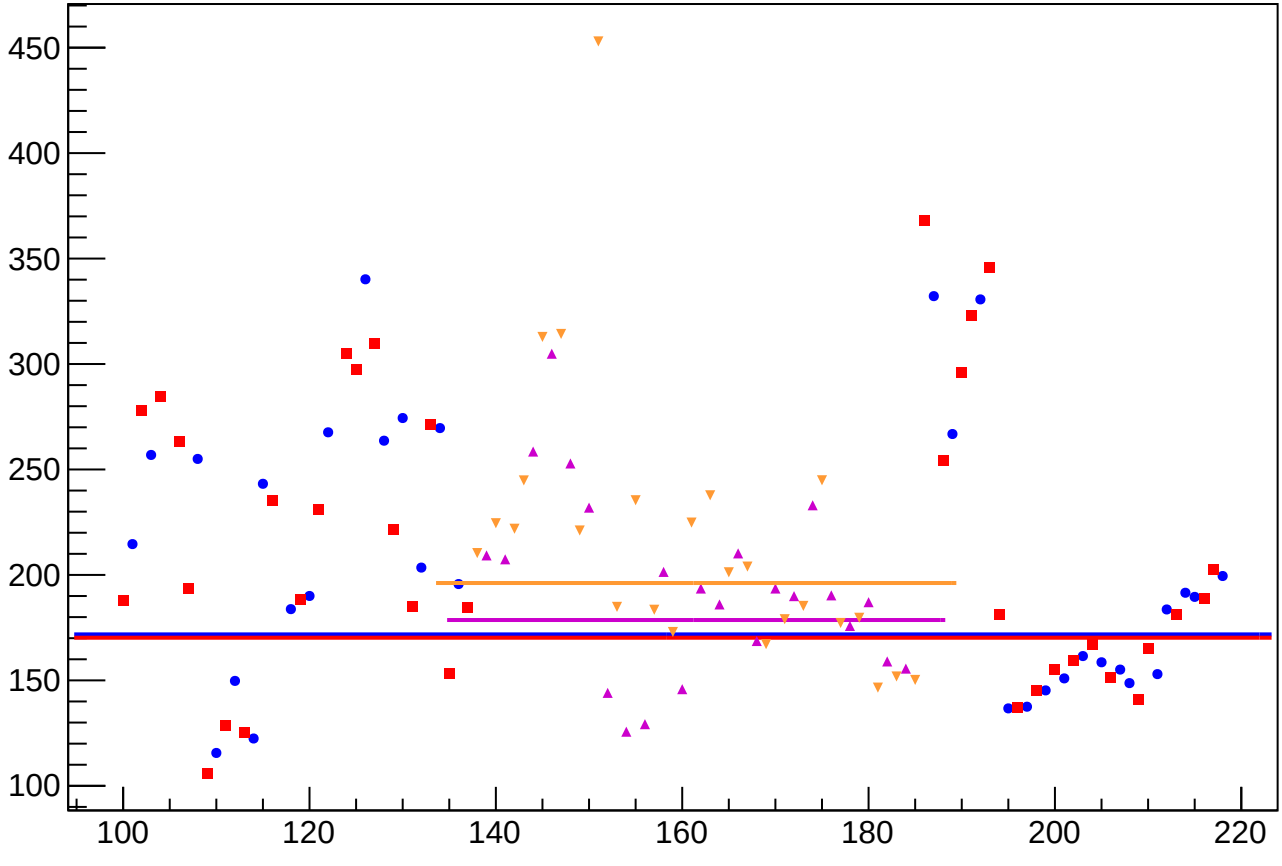
Right: -244.028+/-28.018 χ^2/NDF: 77.6/67

In: -70.099+/-29.379 χ^2/NDF:74.4/54

Out: -91.603+/-30.030 χ^2/NDF:100.4/60

All: -80.616+/-21.001 χ^2/NDF: 175.0/115

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: 170.227+/-0.028 χ^2/NDF: 3074082.7/35

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

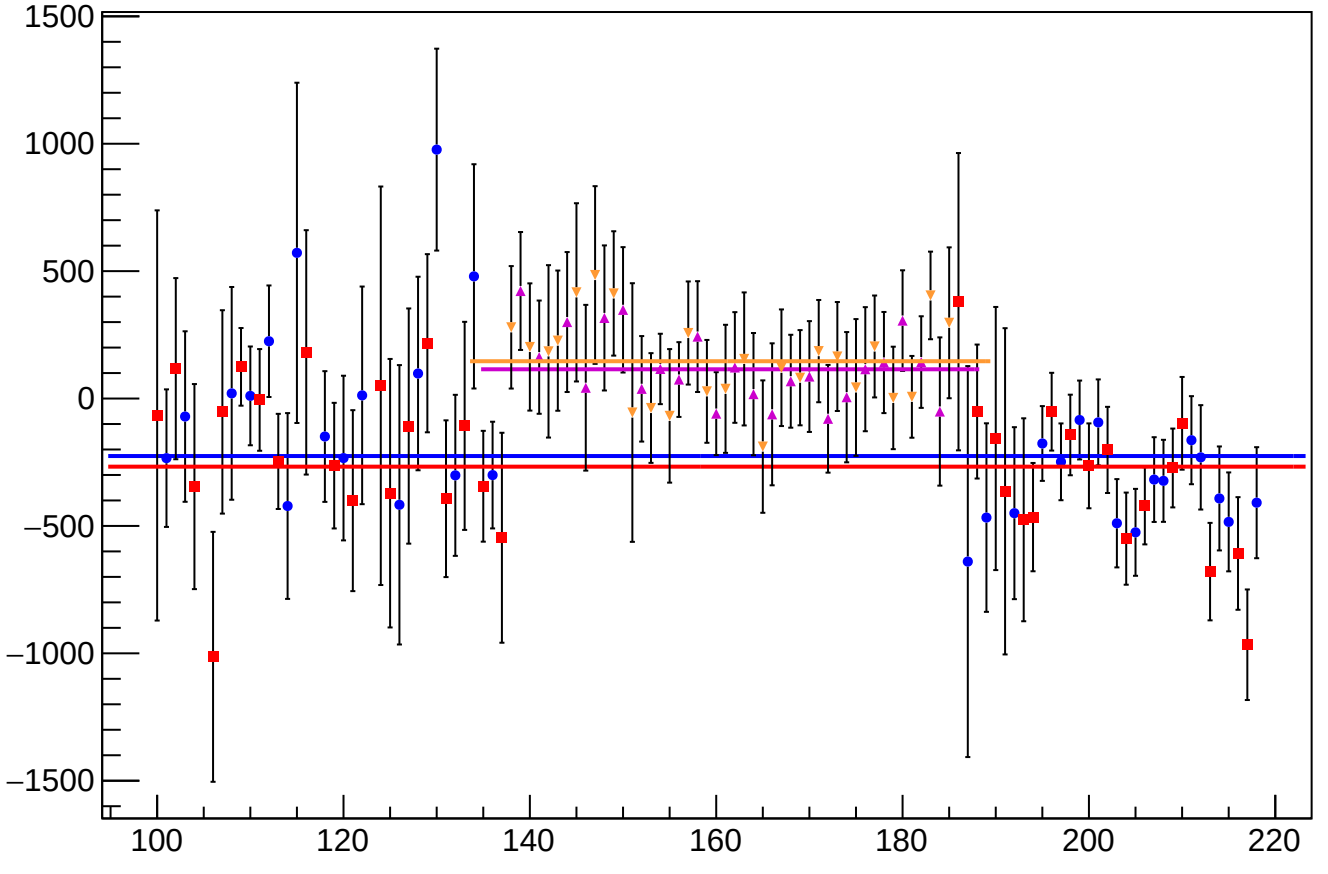
Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

Right: 171.011+/-0.020 χ^2/NDF: 5447790.0/67

In: 174.896+/-0.021 χ^2/NDF:4050682.3/54

Out: 181.174+/-0.021 χ^2/NDF:5244916.4/60

All: 177.967+/-0.015 χ^2/NDF: 9340256.0/115



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: -267.361+/-39.698 χ^2/NDF: 44.0/35

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

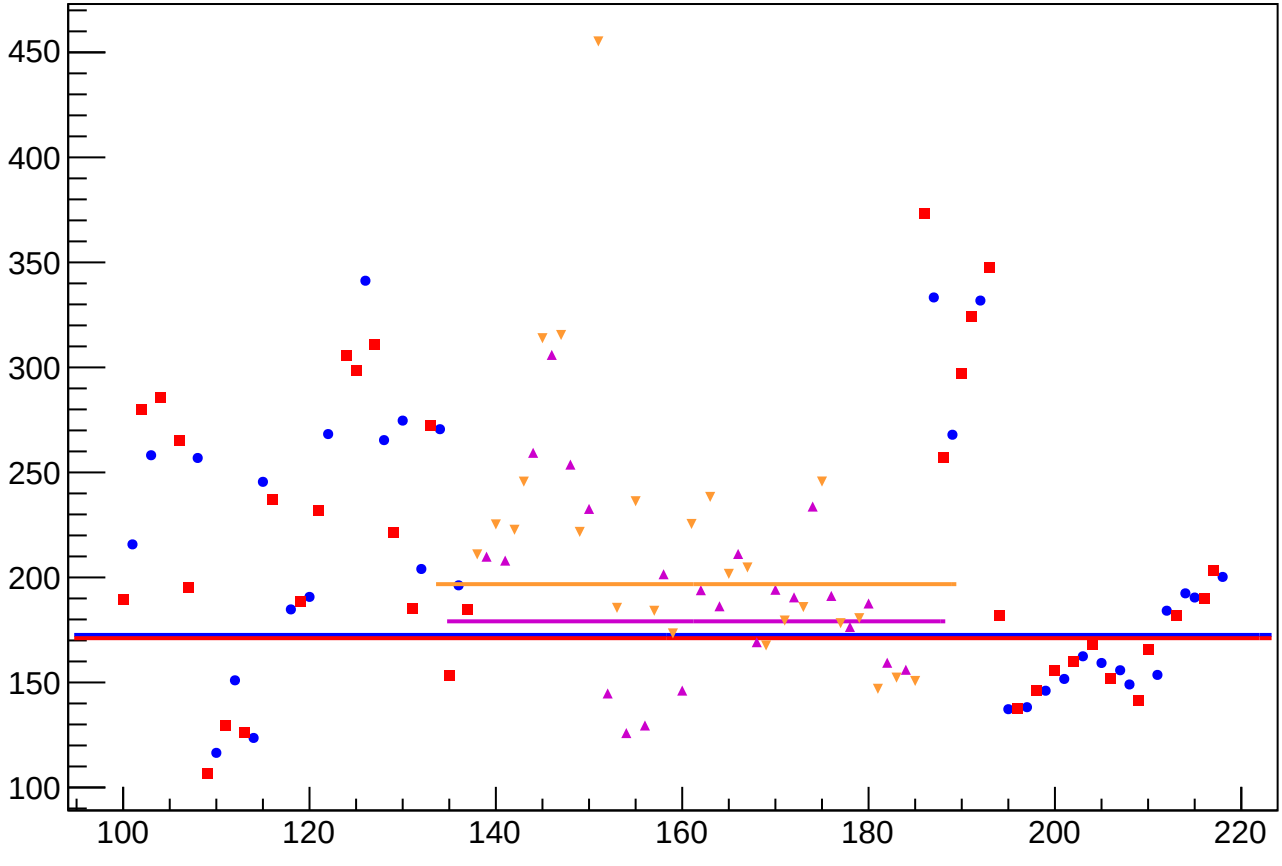
Right: -246.648+/-28.154 χ^2/NDF: 77.9/67

In: -70.899+/-29.492 χ^2/NDF:74.8/54

Out: -92.395+/-30.159 χ^2/NDF:101.4/60

All: -81.407+/-21.086 χ^2/NDF: 176.4/115

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: 171.079+/-0.028 χ^2/NDF: 3070507.7/35

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

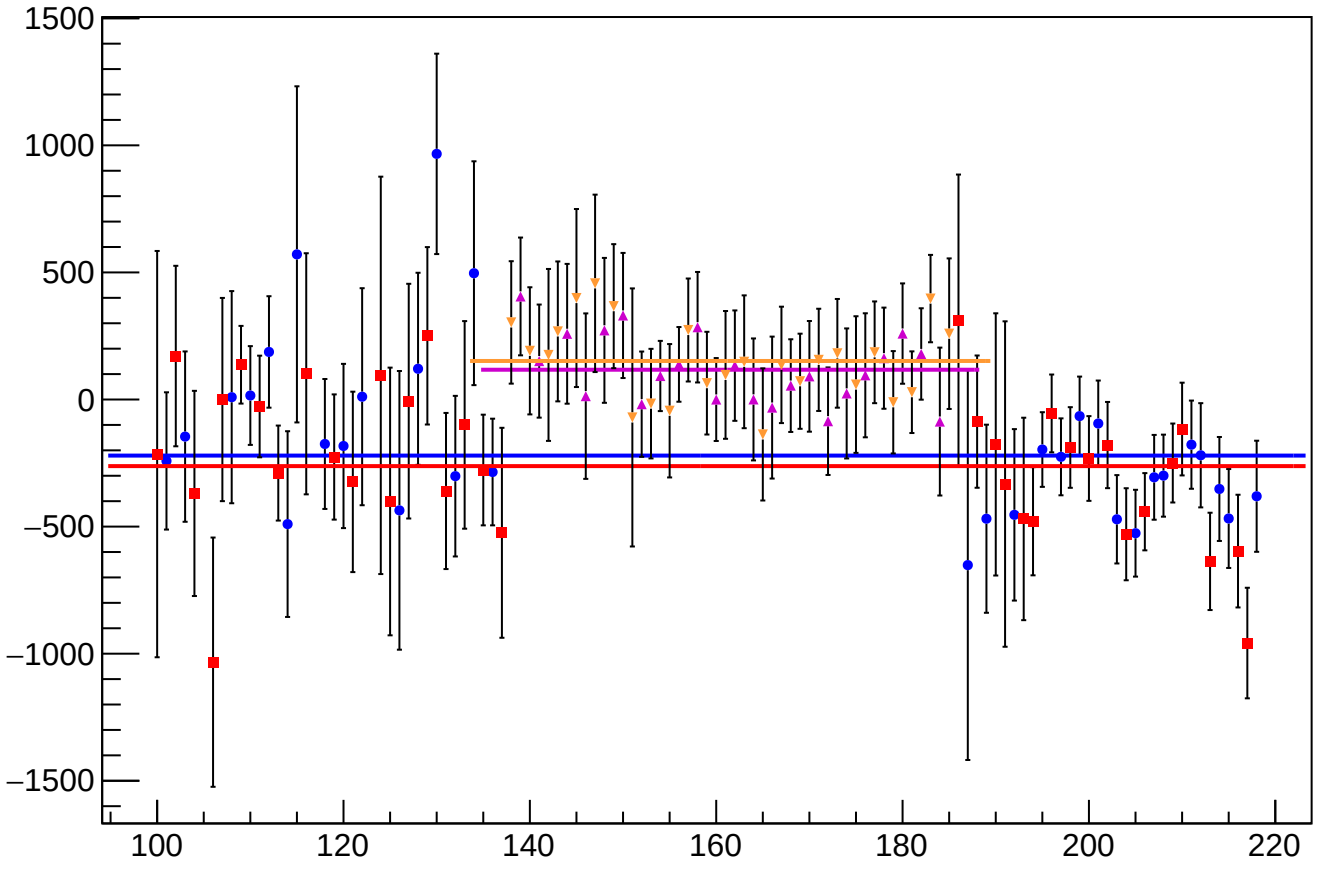
Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

Right: 171.849+/-0.020 χ^2/NDF: 5435665.4/67

In: 175.571+/-0.021 χ^2/NDF:4043390.4/54

Out: 181.957+/-0.021 χ^2/NDF:5234289.0/60

All: 178.693+/-0.015 χ^2/NDF: 9323524.4/115



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: -262.038+/-39.753 χ^2/NDF: 42.4/35

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

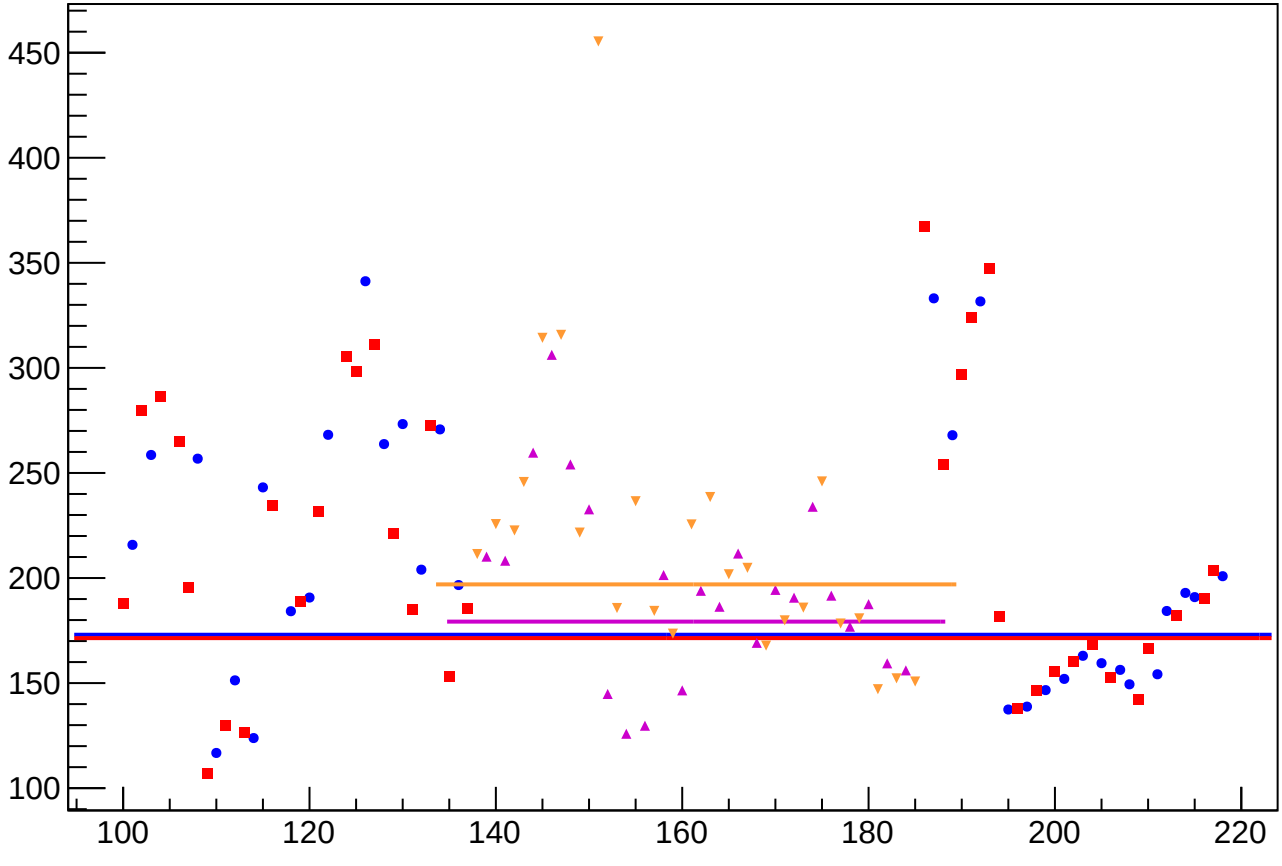
Right: -241.459+/-28.200 χ^2/NDF: 74.7/67

In: -66.886+/-29.534 χ^2/NDF:71.6/54

Out: -87.026+/-30.194 χ^2/NDF:97.8/60

All: -76.733+/-21.113 χ^2/NDF: 169.7/115

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: 171.398+/-0.028 χ^2/NDF: 3035097.7/35

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

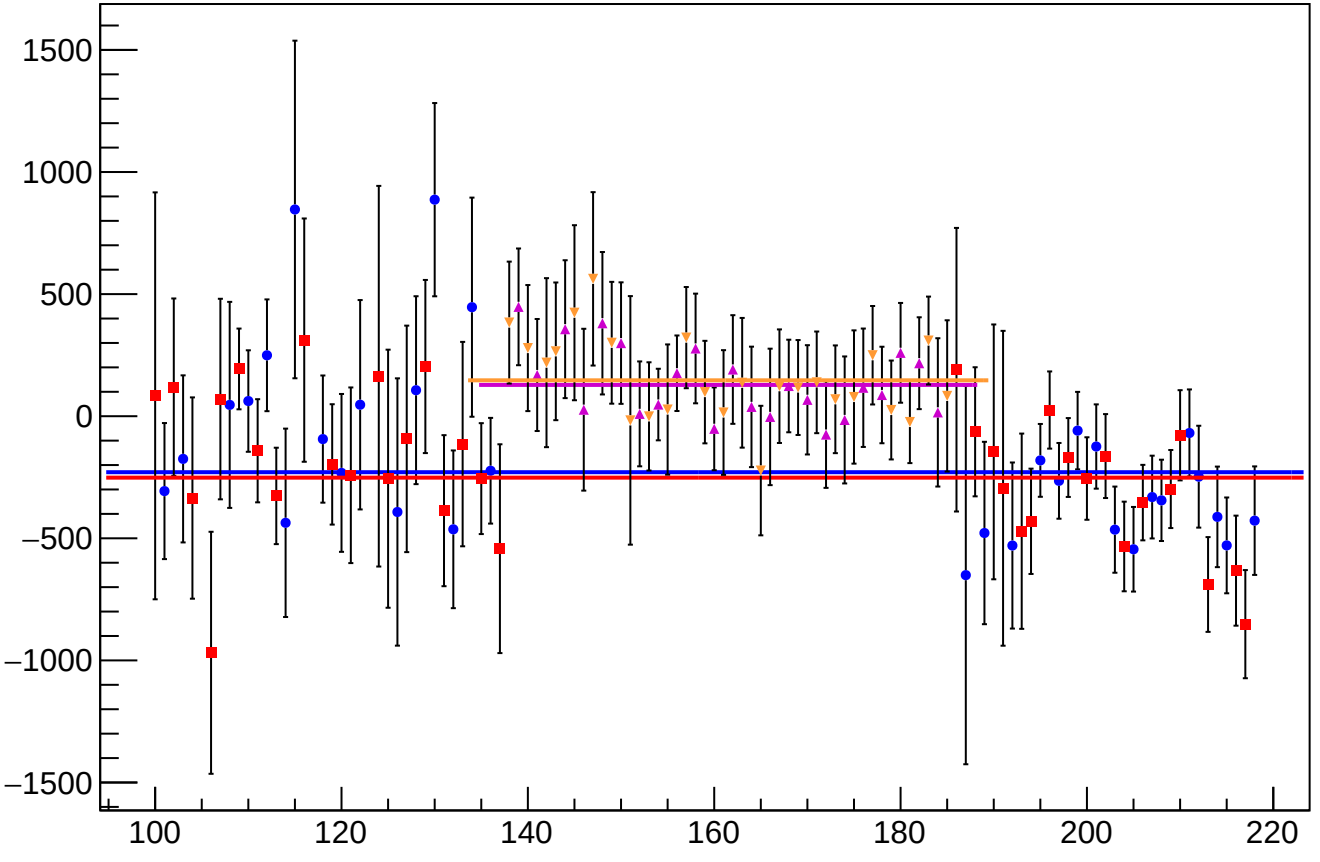
Right: 172.198+/-0.020 χ^2/NDF: 5378744.3/67

In: 175.852+/-0.021 χ^2/NDF:4020235.9/54

Out: 182.220+/-0.021 χ^2/NDF:5194709.1/60

All: 178.965+/-0.015 χ^2/NDF: 9260412.1/115

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -229.315+/-40.889 χ^2/NDF: 35.7/31

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -251.552+/-40.766 χ^2/NDF: 40.5/35

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

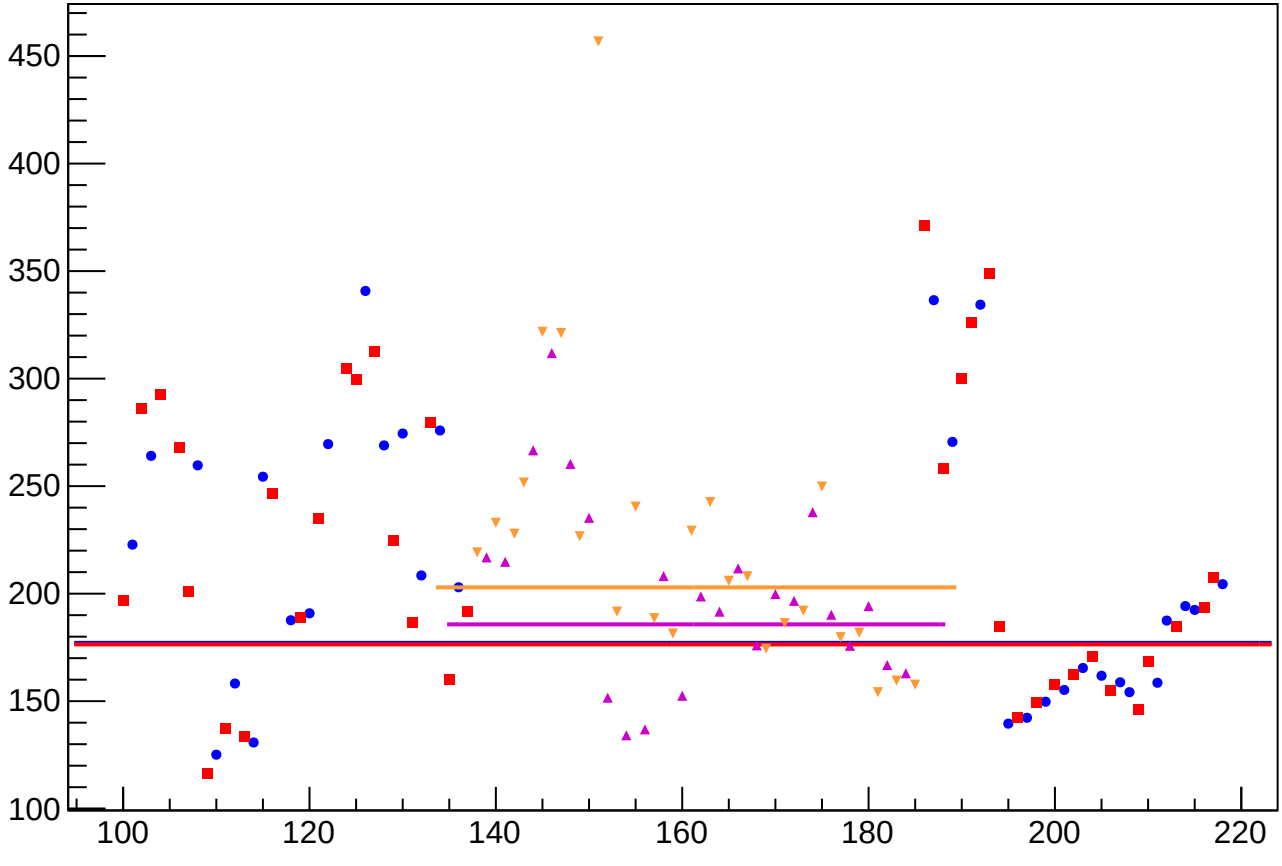
Right: -240.467+/-28.869 χ^2/NDF: 76.4/67

In: -68.436+/-30.323 χ^2/NDF:78.7/54

Out: -83.370+/-30.993 χ^2/NDF:91.0/60

All: -75.740+/-21.674 χ^2/NDF: 169.8/115

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: 176.393+/-0.029 χ^2/NDF: 2818883.8/35

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

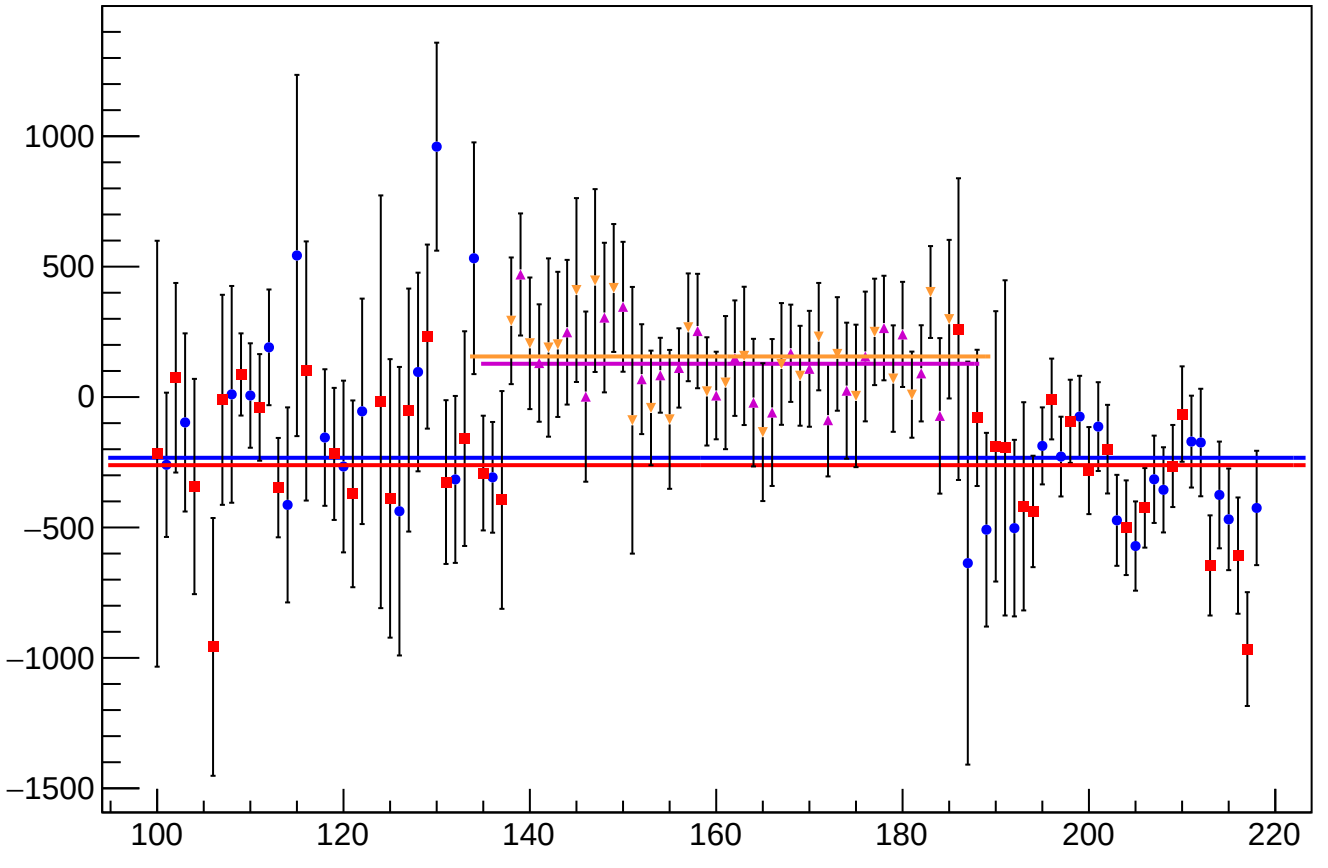
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 176.753+/-0.020 χ^2/NDF: 5054949.3/67

In: 180.985+/-0.021 χ^2/NDF:3765073.1/54

Out: 187.588+/-0.022 χ^2/NDF:4876379.8/60

All: 184.214+/-0.015 χ^2/NDF: 8687828.6/115



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: -261.107+/-40.157 χ^2/NDF: 39.7/35

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

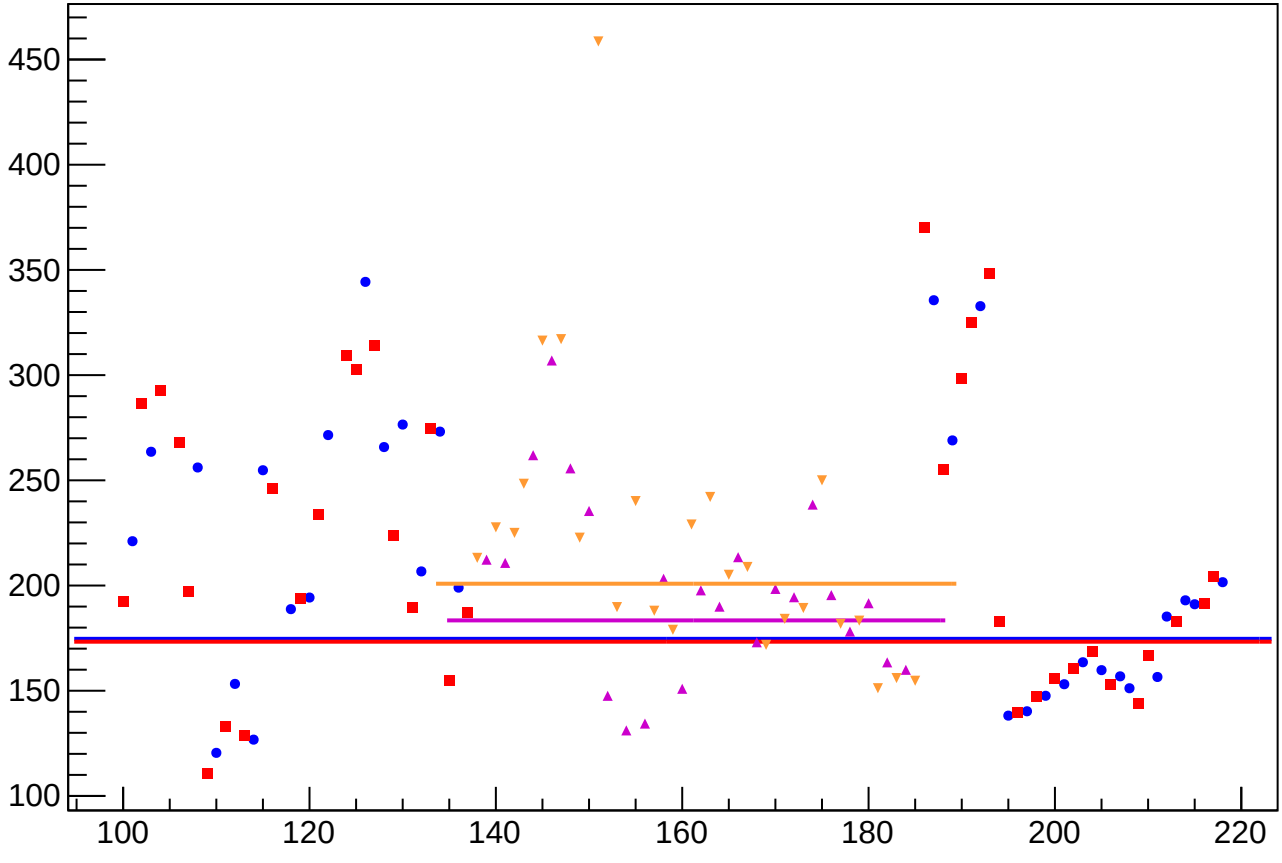
Right: -247.043+/-28.473 χ^2/NDF: 72.9/67

In: -70.839+/-29.963 χ^2/NDF:76.7/54

Out: -86.383+/-30.603 χ^2/NDF:95.5/60

All: -78.447+/-21.410 χ^2/NDF: 172.4/115

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: 173.312+/-0.028 χ^2/NDF: 2991307.8/35

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

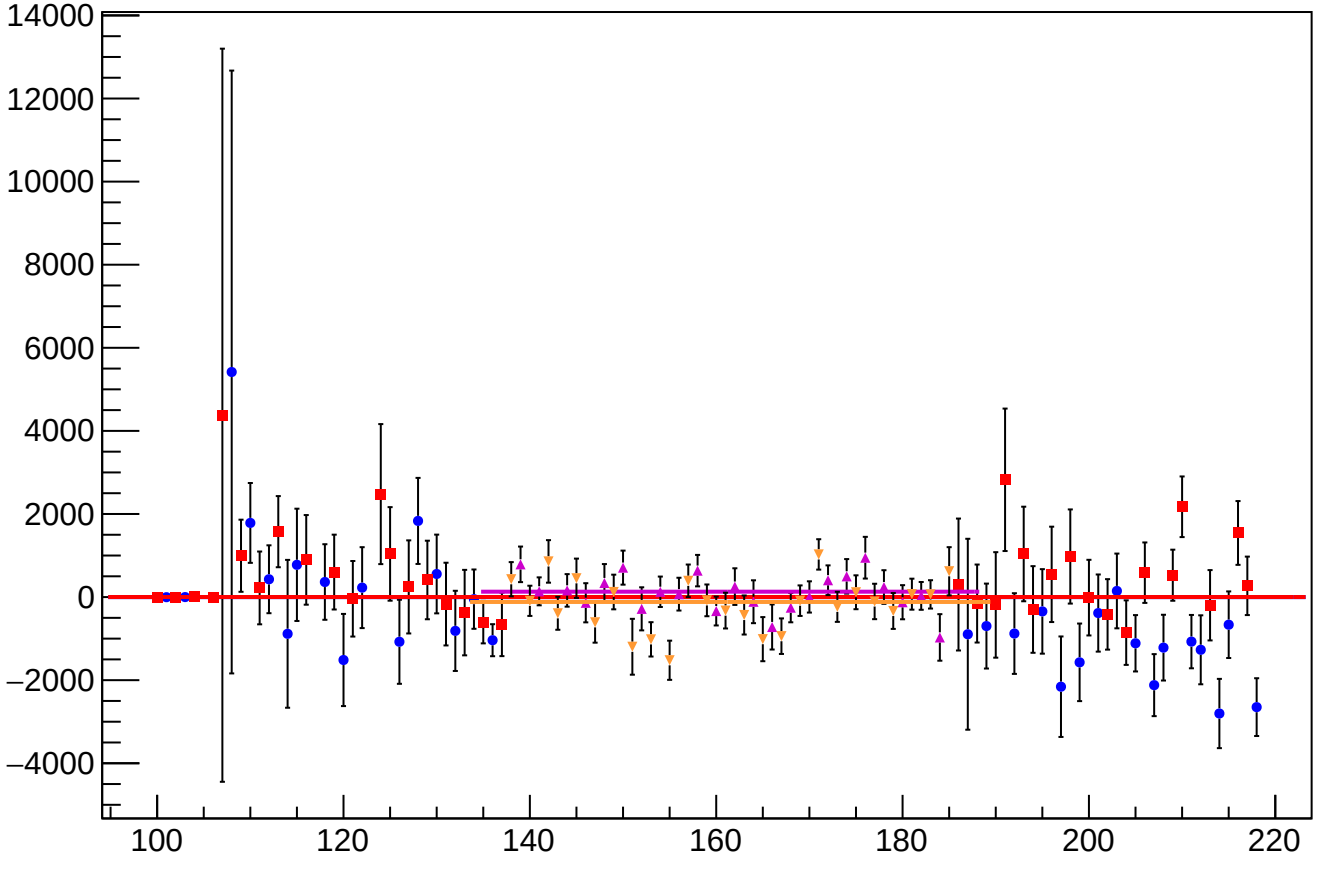
Right: 173.986+/-0.020 χ^2/NDF: 5319081.2/67

In: 178.606+/-0.021 χ^2/NDF:3899675.4/54

Out: 184.863+/-0.022 χ^2/NDF:5113444.0/60

All: 181.669+/-0.015 χ^2/NDF: 9055805.8/115

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: 1.418+/-2.022 χ^2/NDF: 37.5/35

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

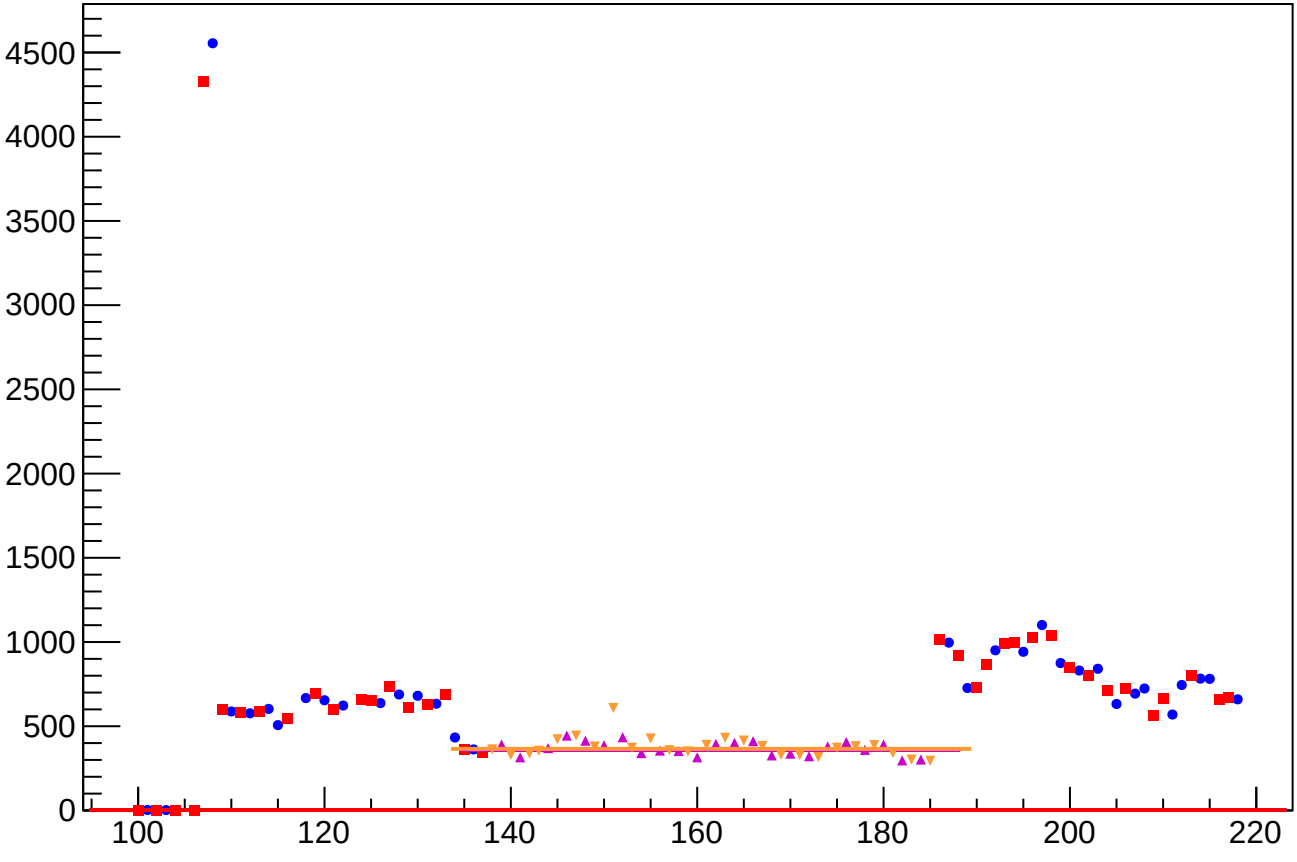
Right: 0.120+/-1.480 χ^2/NDF: 110.7/67

In: -1.289+/-2.170 χ^2/NDF:96.4/54

Out: 1.349+/-2.022 χ^2/NDF:85.8/60

All: 0.123+/-1.479 χ^2/NDF: 183.0/115

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: 2.529+/-0.001 χ^2/NDF: 37507911.2/35

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

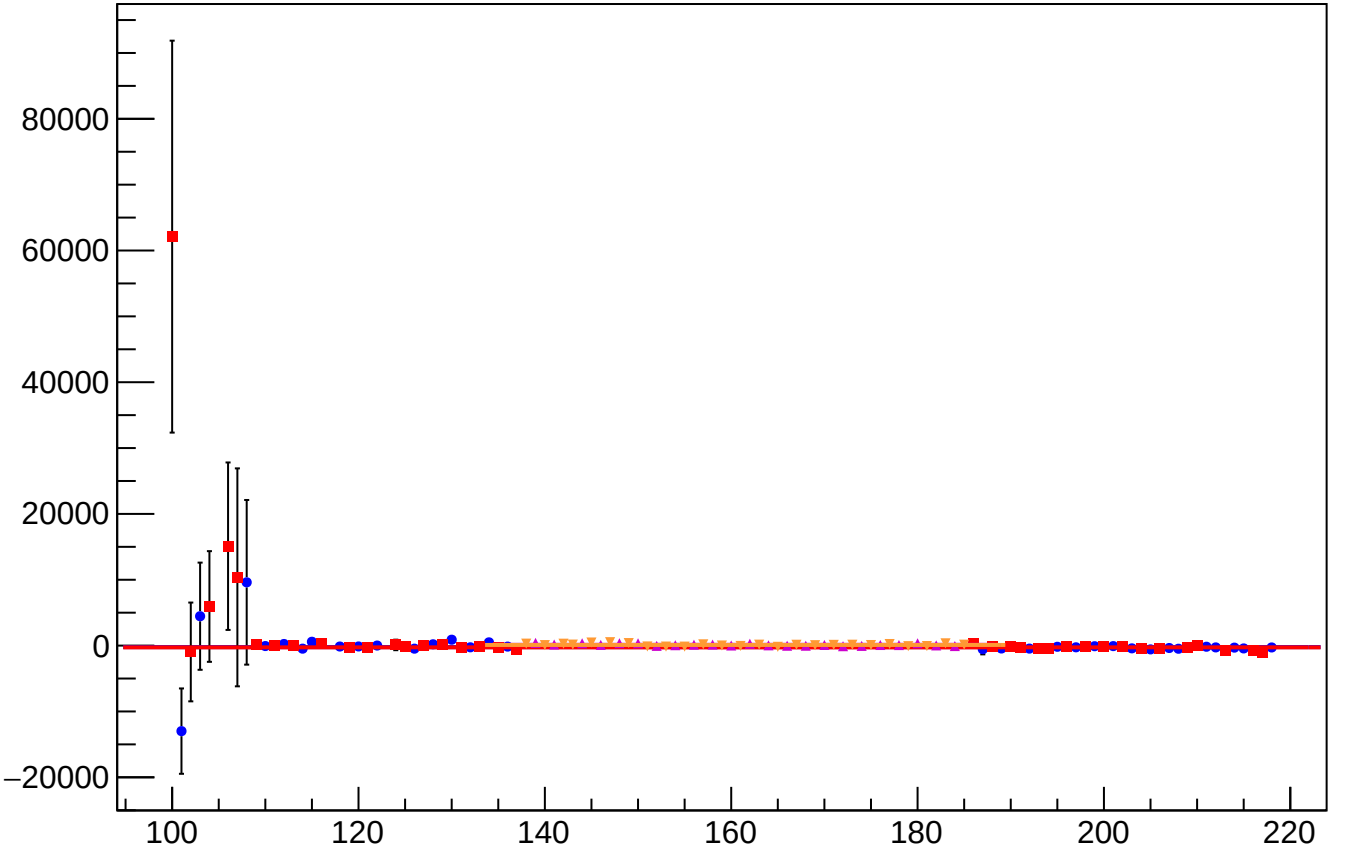
Right: 2.541+/-0.001 χ^2/NDF: 74541684.7/67

In: 2.786+/-0.002 χ^2/NDF:72570598.7/54

Out: 2.739+/-0.001 χ^2/NDF:75335333.9/60

All: 2.761+/-0.001 χ^2/NDF: 147906446.4/115

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: -267.094+/-43.982 χ^2/NDF: 48.5/35

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

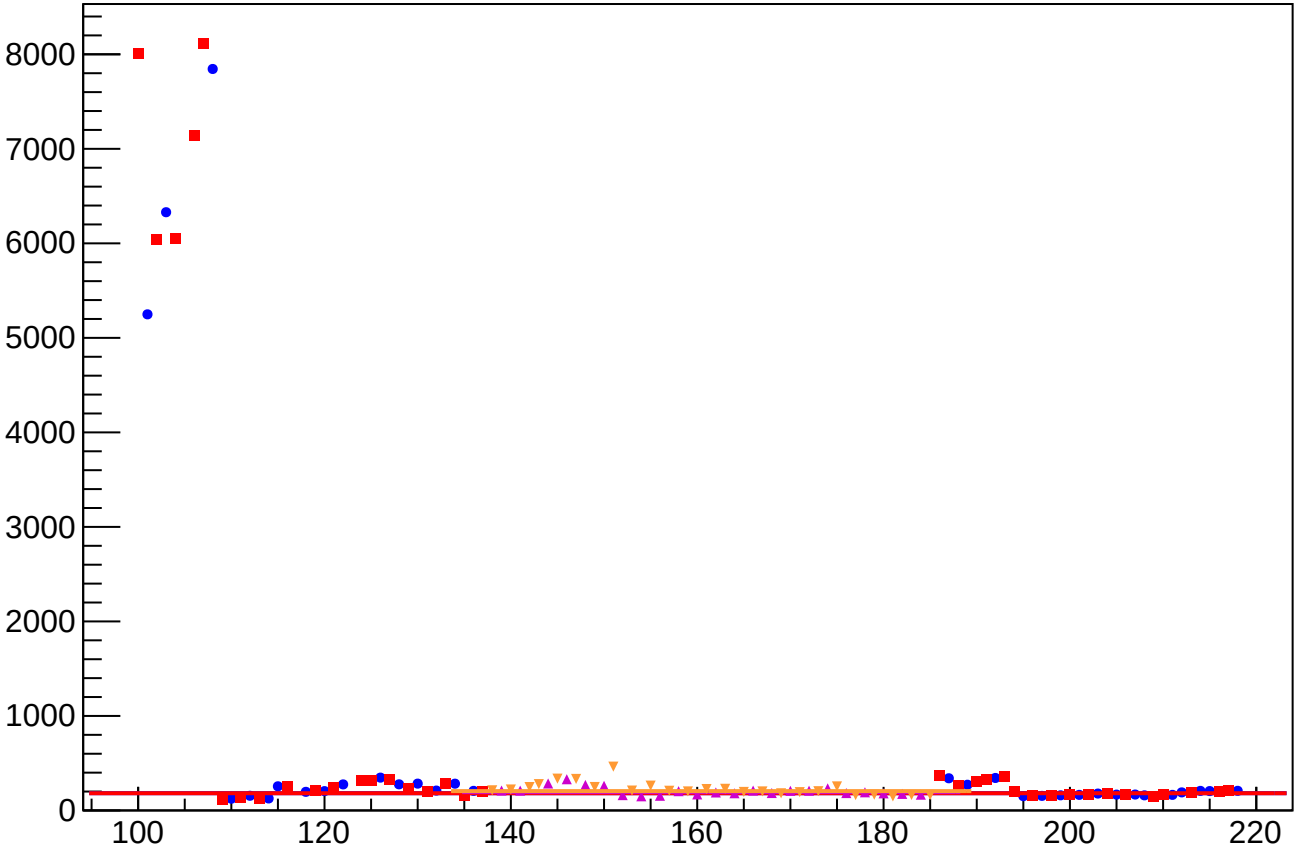
Right: -246.797+/-31.026 χ^2/NDF: 83.5/67

In: -65.804+/-32.019 χ^2/NDF:72.9/54

Out: -100.678+/-32.504 χ^2/NDF:92.8/60

All: -82.978+/-22.810 χ^2/NDF: 166.2/115

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: 182.230+/-0.031 χ^2/NDF: 5655099.0/35

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

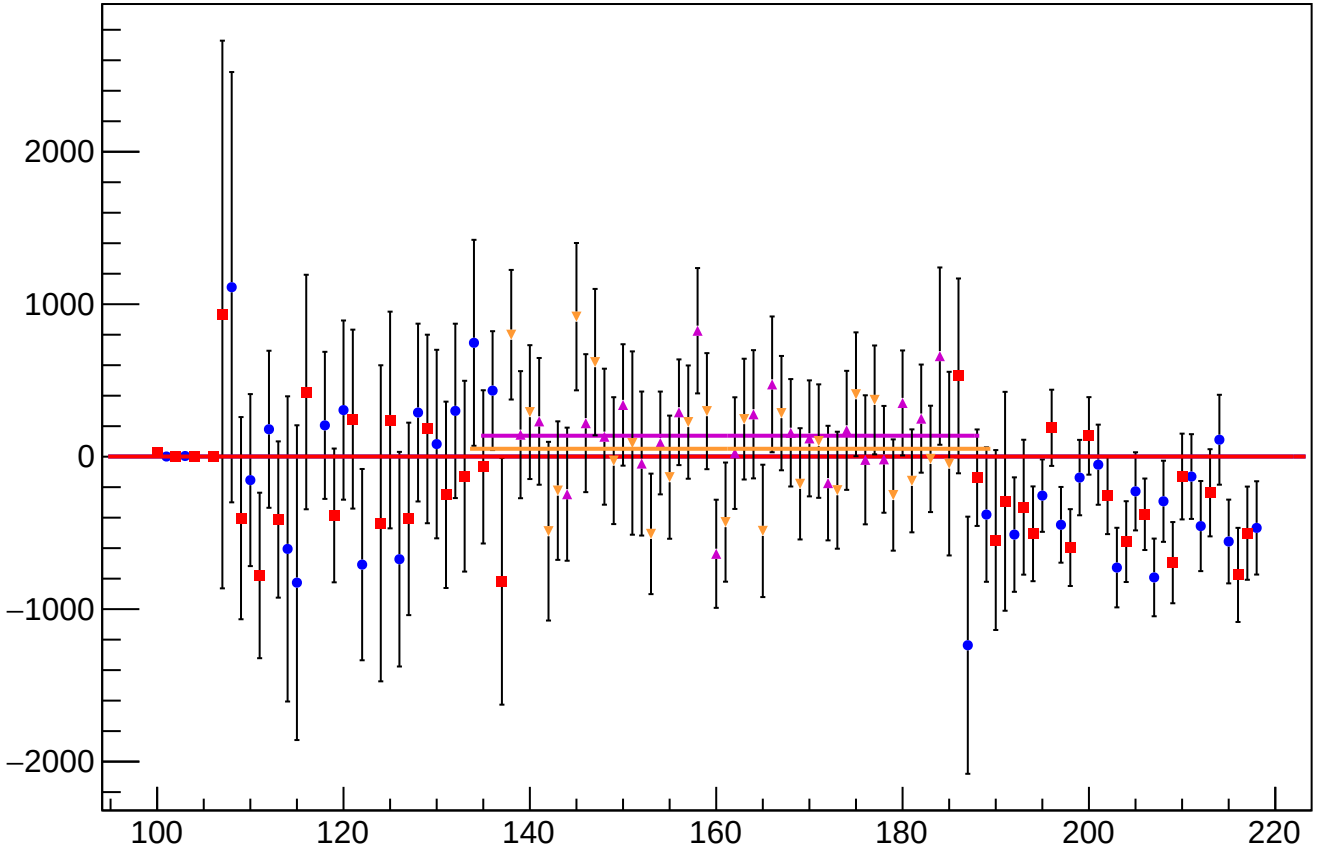
Right: 182.497+/-0.022 χ^2/NDF: 10631202.5/67

In: 187.938+/-0.023 χ^2/NDF:6227712.2/54

Out: 192.373+/-0.023 χ^2/NDF:7864625.3/60

All: 190.122+/-0.016 χ^2/NDF: 14111239.1/11

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: 0.953+/-1.527 χ^2/NDF: 45.6/35

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

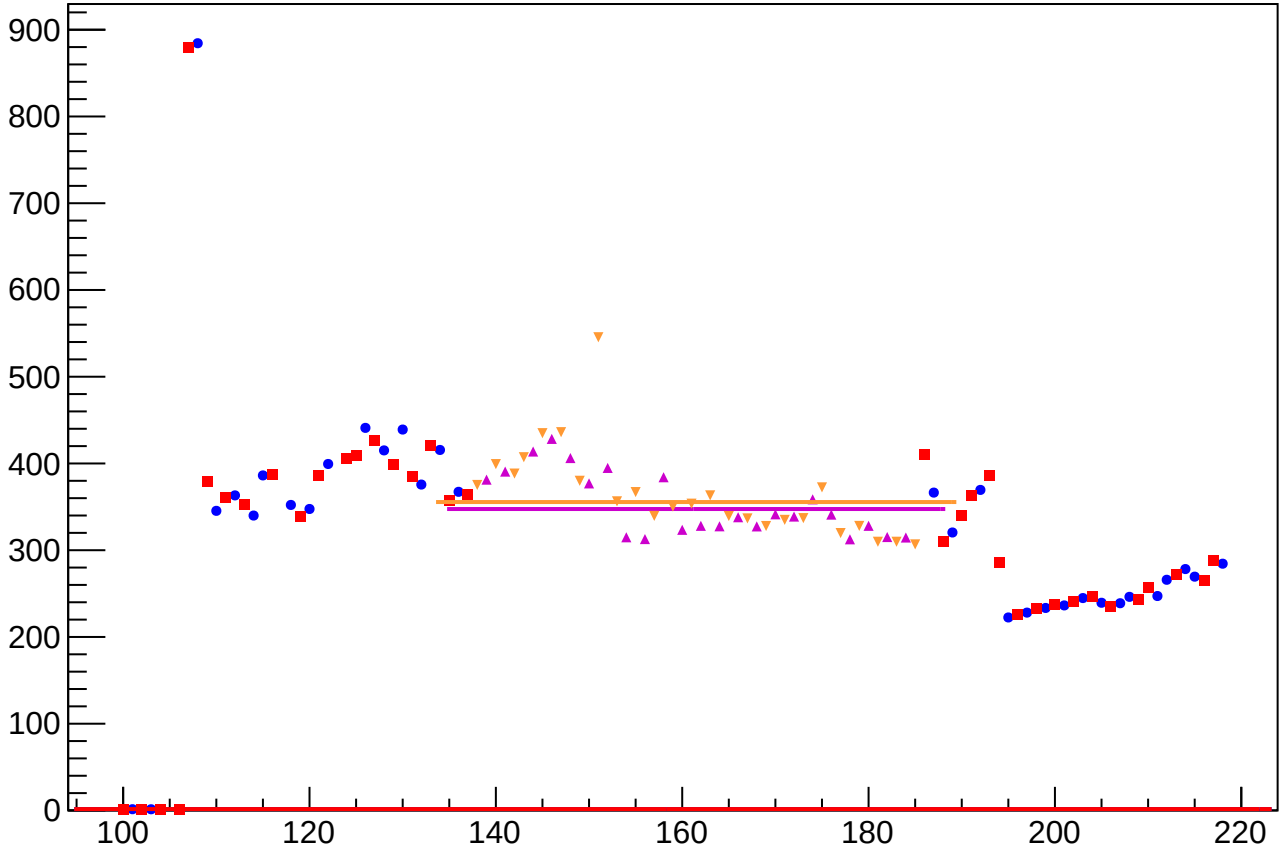
Right: 1.094+/-1.124 χ^2/NDF: 91.7/67

In: 1.316+/-1.660 χ^2/NDF:61.1/54

Out: 0.971+/-1.527 χ^2/NDF:65.4/60

All: 1.129+/-1.124 χ^2/NDF: 126.5/115

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: 1.581+/-0.001 χ^2/NDF: 37154349.2/35

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

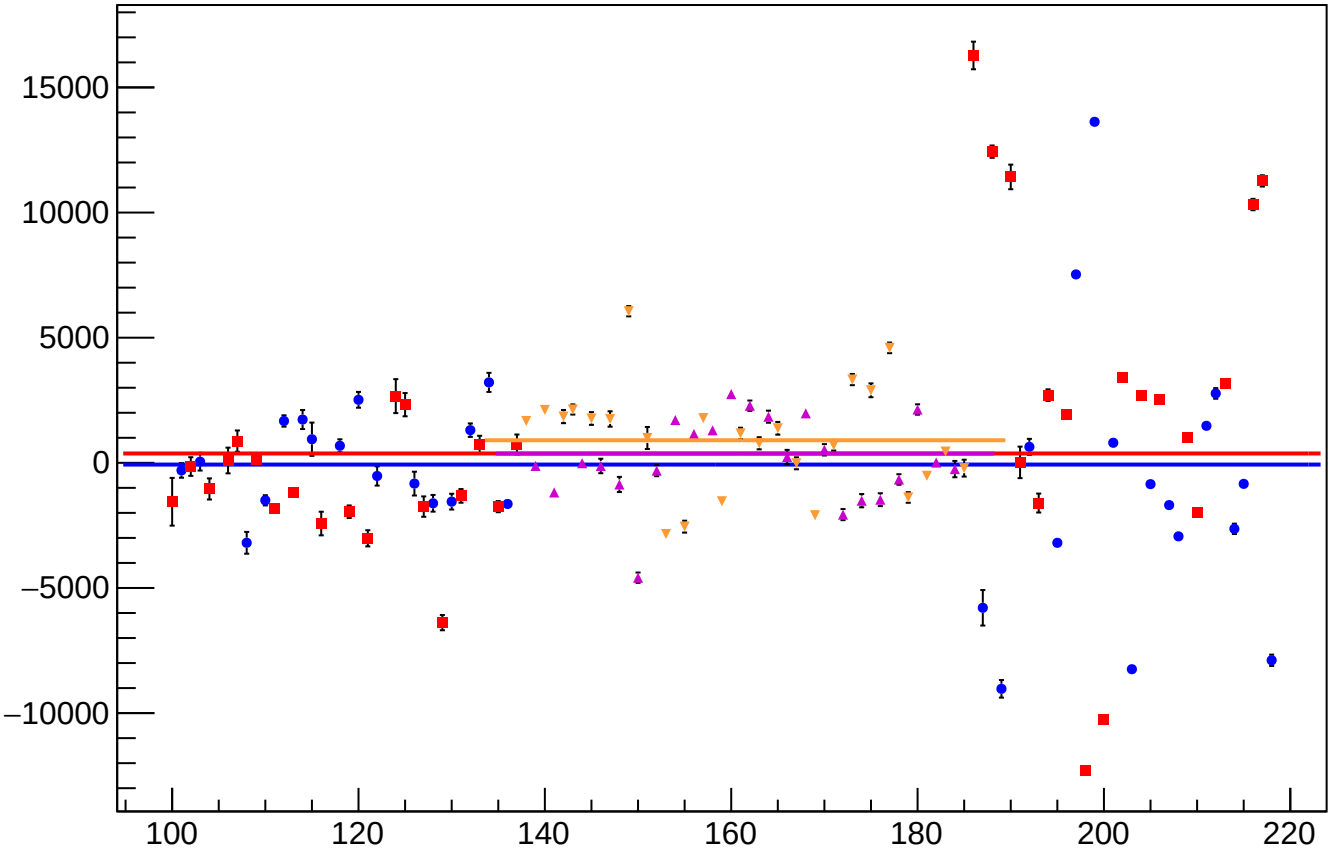
Right: 1.593+/-0.001 χ^2/NDF: 74408233.5/67

In: 1.749+/-0.001 χ^2/NDF:73070727.9/54

Out: 1.705+/-0.001 χ^2/NDF:75342421.2/60

All: 1.725+/-0.001 χ^2/NDF: 148413896.9/115

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: 373.899+/-41.650 χ^2/NDF: 18764.4/35

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

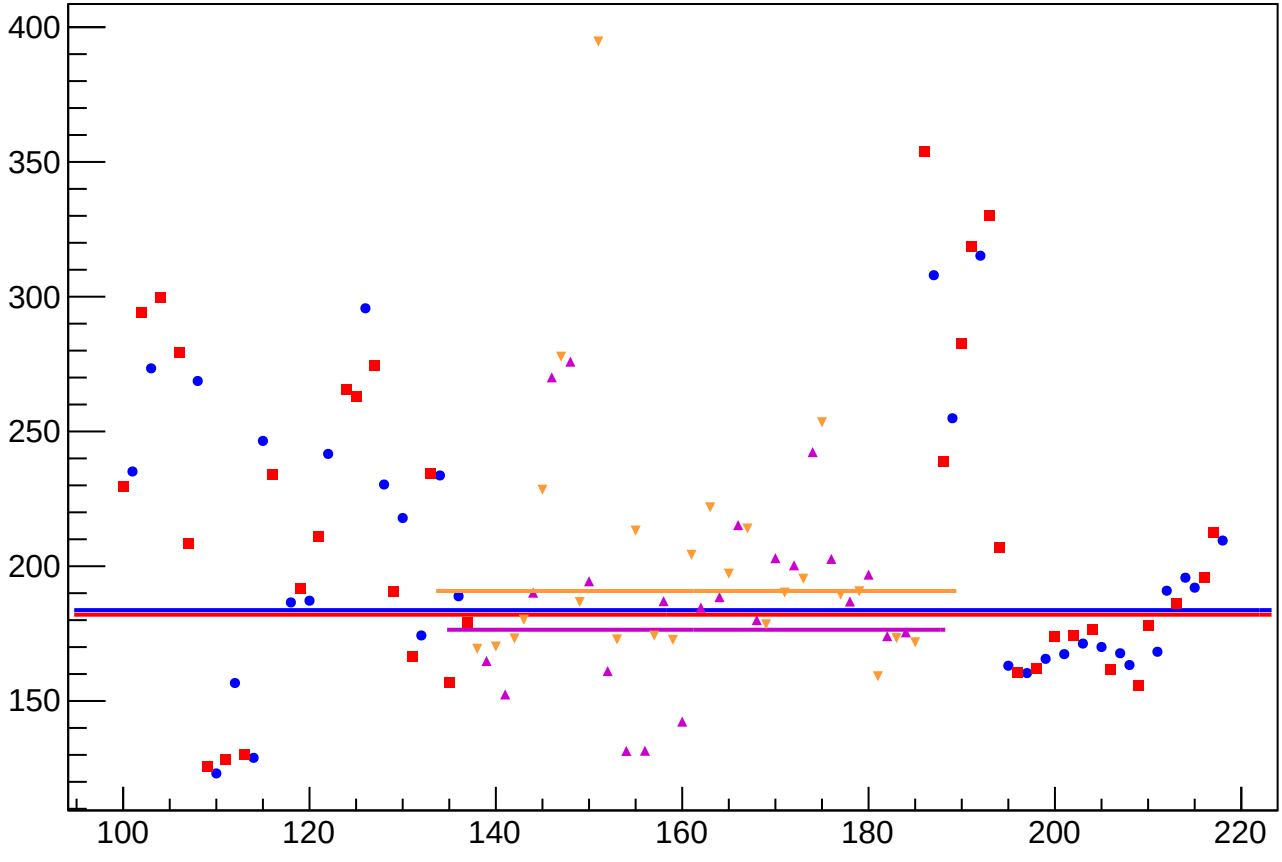
Right: 154.001+/-29.565 χ^2/NDF: 32305.8/67

In: 145.713+/-29.934 χ^2/NDF:15131.6/54

Out: 620.368+/-30.403 χ^2/NDF:21250.4/60

All: 379.349+/-21.330 χ^2/NDF: 36505.7/115

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: 182.020+/-0.029 χ^2/NDF: 2233911.5/35

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

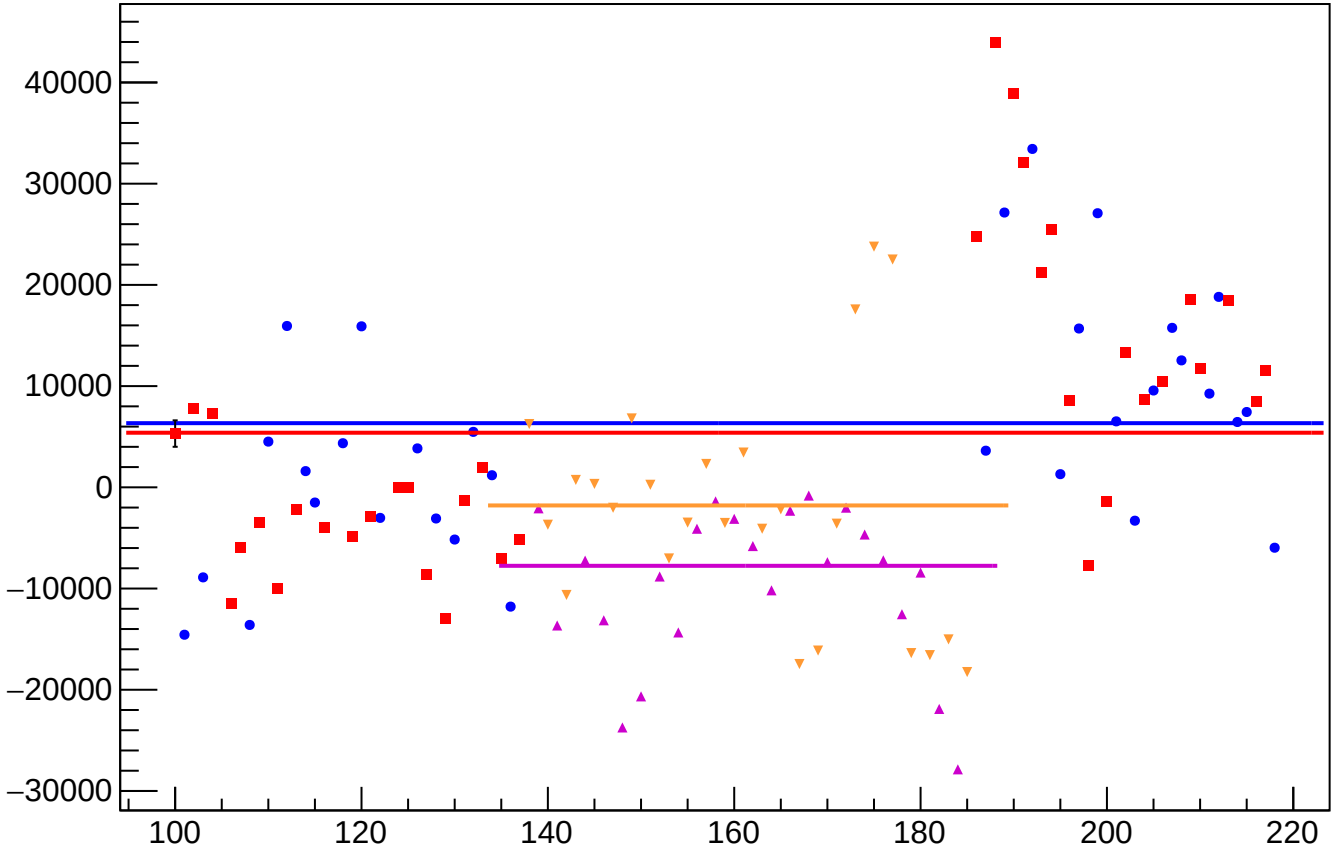
Right: 182.861+/-0.021 χ^2/NDF: 3719137.7/67

In: 180.136+/-0.021 χ^2/NDF:2770844.3/54

Out: 186.122+/-0.021 χ^2/NDF:3295037.1/60

All: 183.083+/-0.015 χ^2/NDF: 6105256.0/115

asym_bpm0i02WS_mean vs Slug, Sign Corrected



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: 5393.881+/-36.880 χ^2/NDF: 147782.5/35

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

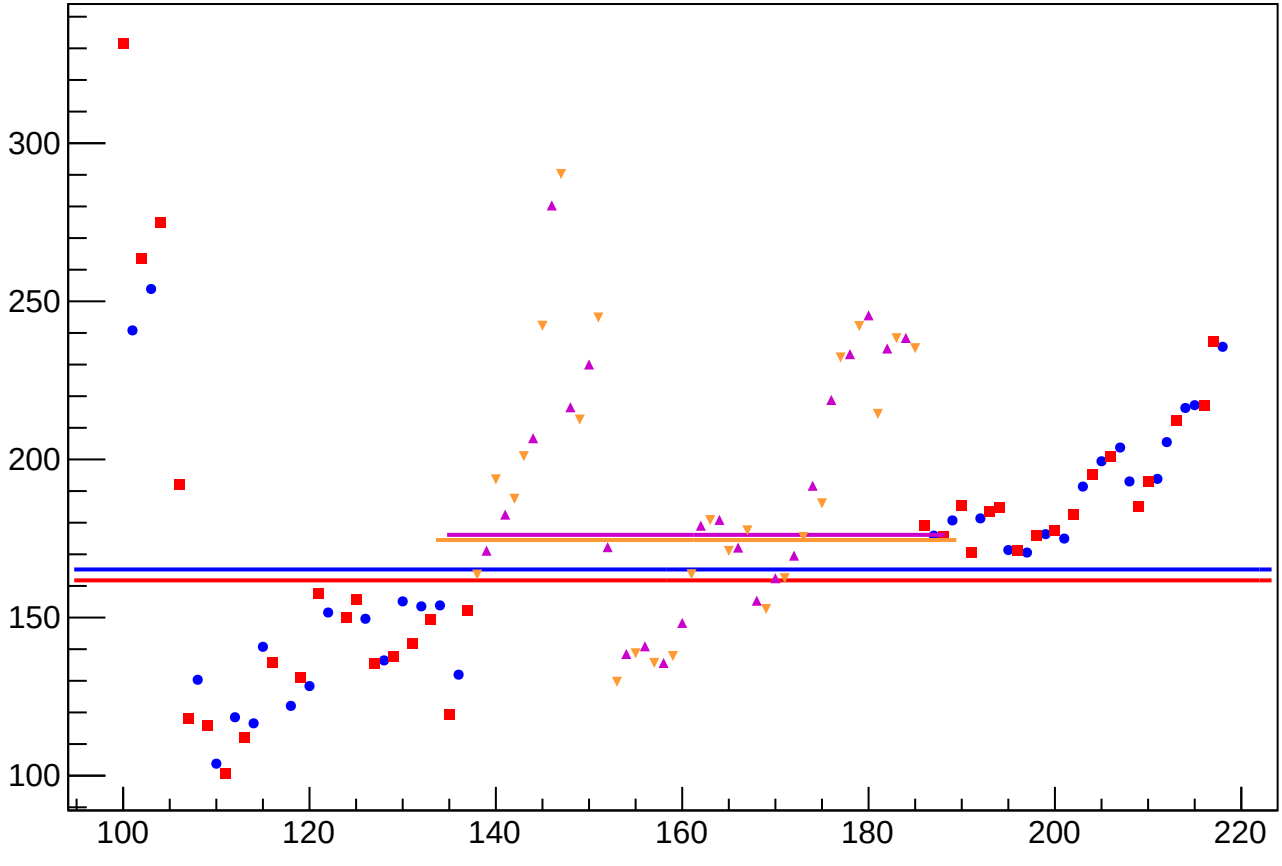
Right: 5851.642+/-26.485 χ^2/NDF: 247212.7/67

In: 78.616+/-28.373 χ^2/NDF:183305.1/54

Out: 2172.940+/-27.393 χ^2/NDF:230540.8/60

All: 1162.597+/-19.707 χ^2/NDF: 416665.9/11

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: 161.760+/-0.026 χ^2/NDF: 2117564.2/35

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

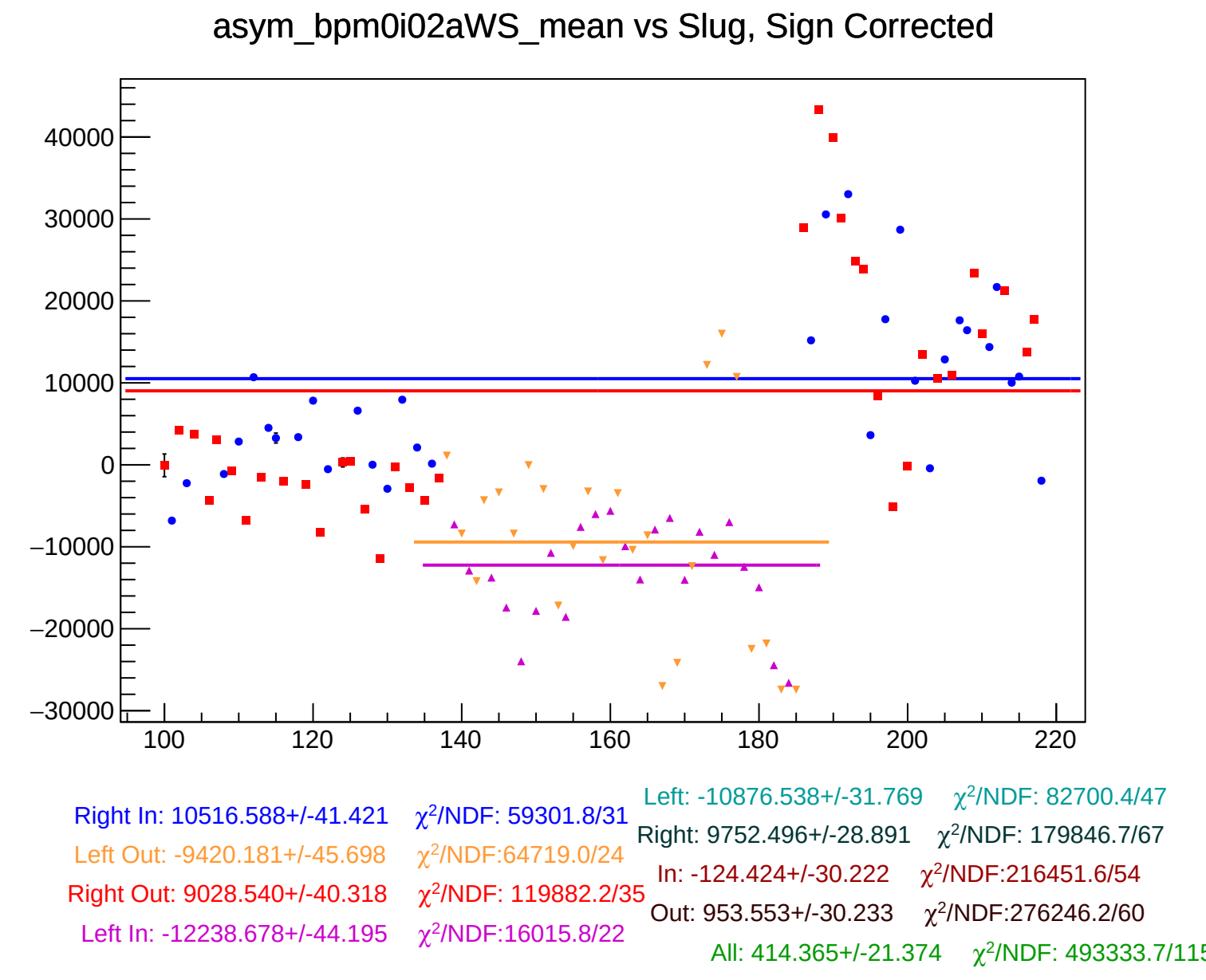
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 163.431+/-0.019 χ^2/NDF: 3944022.3/67

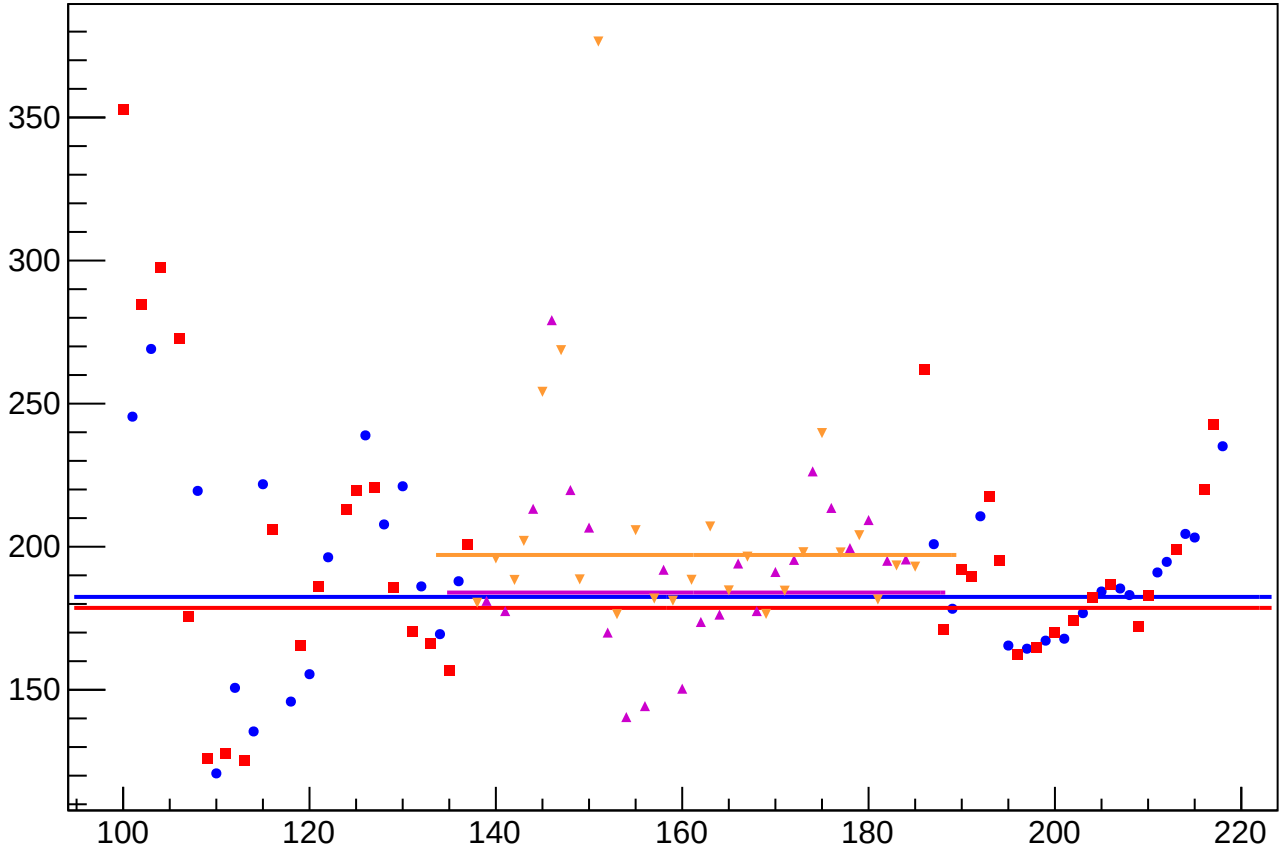
In: 170.072+/-0.020 χ^2/NDF:3258498.2/54

Out: 167.481+/-0.019 χ^2/NDF:3884374.4/60

All: 168.731+/-0.014 χ^2/NDF: 7151504.5/115


asym_bpm0i02aWS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 10516.588+/-41.421 χ²/NDF: 59301.8/31
Left Out: -9420.181+/-45.698 χ²/NDF:64719.0/24
Right Out: 9028.540+/-40.318 χ²/NDF: 119882.2/35
Left In: -12238.678+/-44.195 χ²/NDF:16015.8/22
Left: -10876.538+/-31.769 χ²/NDF: 82700.4/47
Right: 9752.496+/-28.891 χ²/NDF: 179846.7/67
In: -124.424+/-30.222 χ²/NDF:216451.6/54
Out: 953.553+/-30.233 χ²/NDF:276246.2/60
All: 414.365+/-21.374 χ²/NDF: 493333.7/115

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: 178.623+/-0.029 χ^2/NDF: 1419329.2/35

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

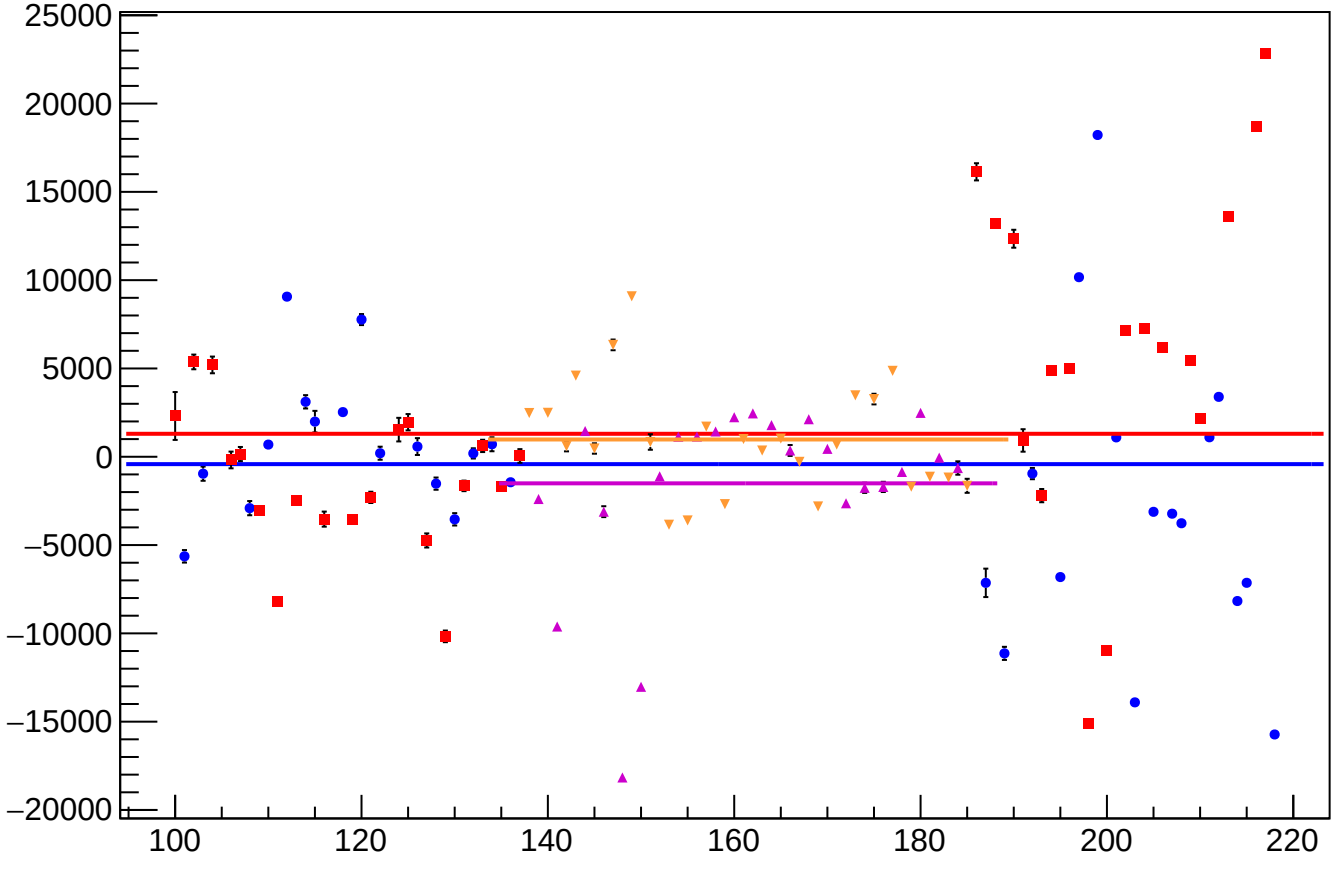
Right: 180.490+/-0.020 χ^2/NDF: 2352529.0/67

In: 183.174+/-0.021 χ^2/NDF:1755427.3/54

Out: 186.720+/-0.021 χ^2/NDF:2336159.9/60

All: 184.946+/-0.015 χ^2/NDF: 4105350.7/115

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: 1300.827+/-45.310 χ^2/NDF: 35397.5/35

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

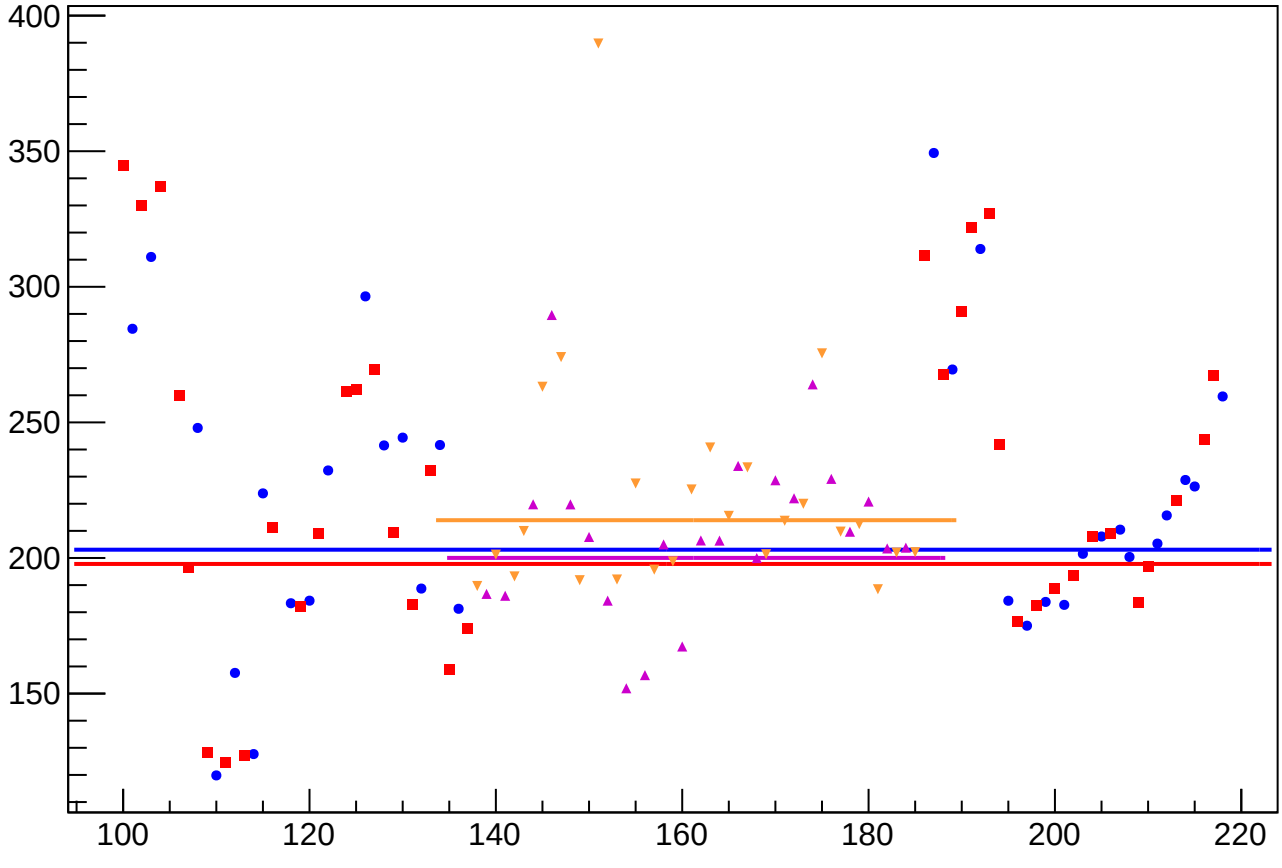
Right: 463.309+/-32.440 χ^2/NDF: 63084.0/67

In: -943.036+/-33.402 χ^2/NDF:38730.9/54

Out: 1154.193+/-33.455 χ^2/NDF:39743.4/60

All: 103.922+/-23.638 χ^2/NDF: 80442.3/115

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: 197.800+/-0.032 χ^2/NDF: 2469069.9/35

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

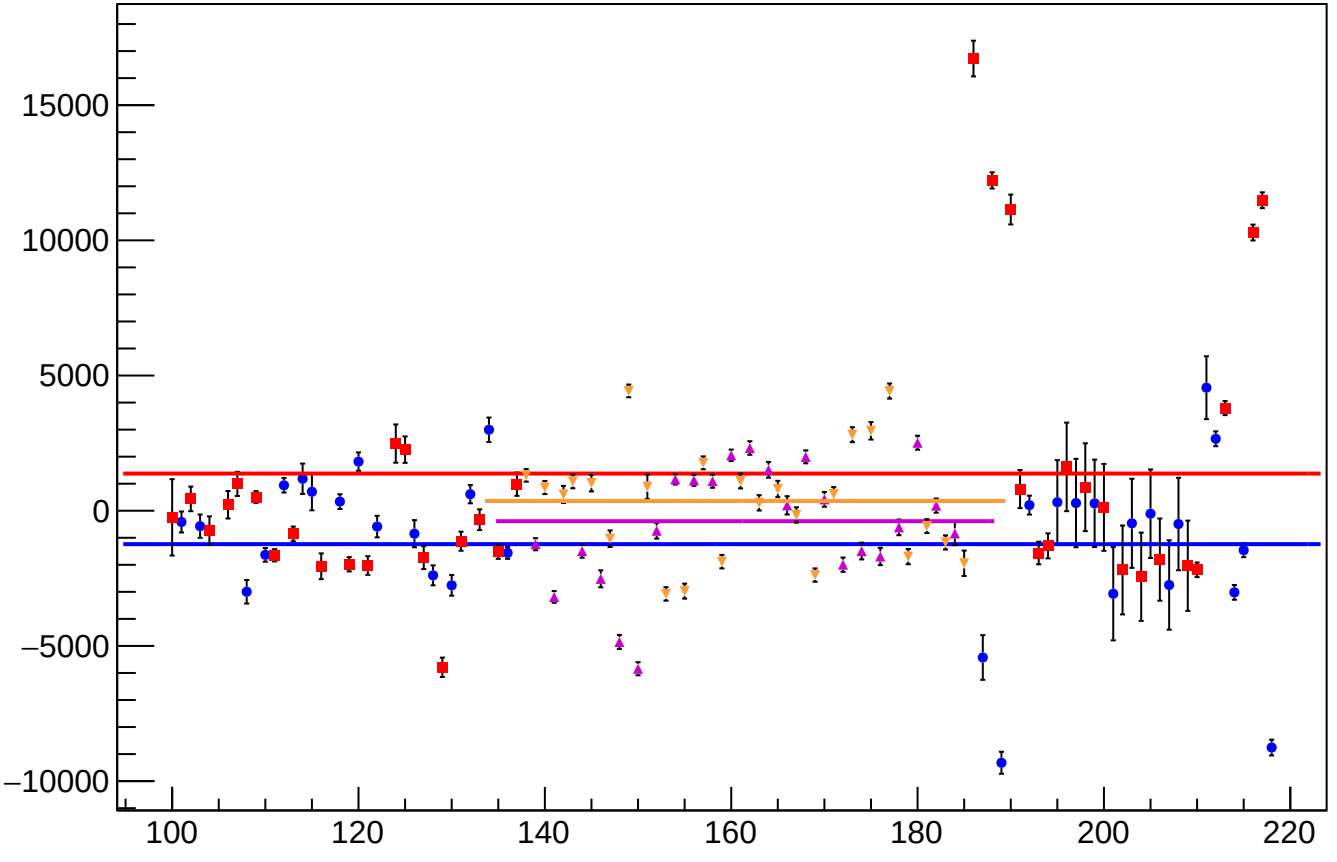
Right: 200.362+/-0.023 χ^2/NDF: 4083234.0/67

In: 201.594+/-0.024 χ^2/NDF:2390671.5/54

Out: 205.137+/-0.024 χ^2/NDF:3317998.2/60

All: 203.363+/-0.017 χ^2/NDF: 5719903.0/115

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: 1374.849+/-65.072 χ^2/NDF: 5891.5/35

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

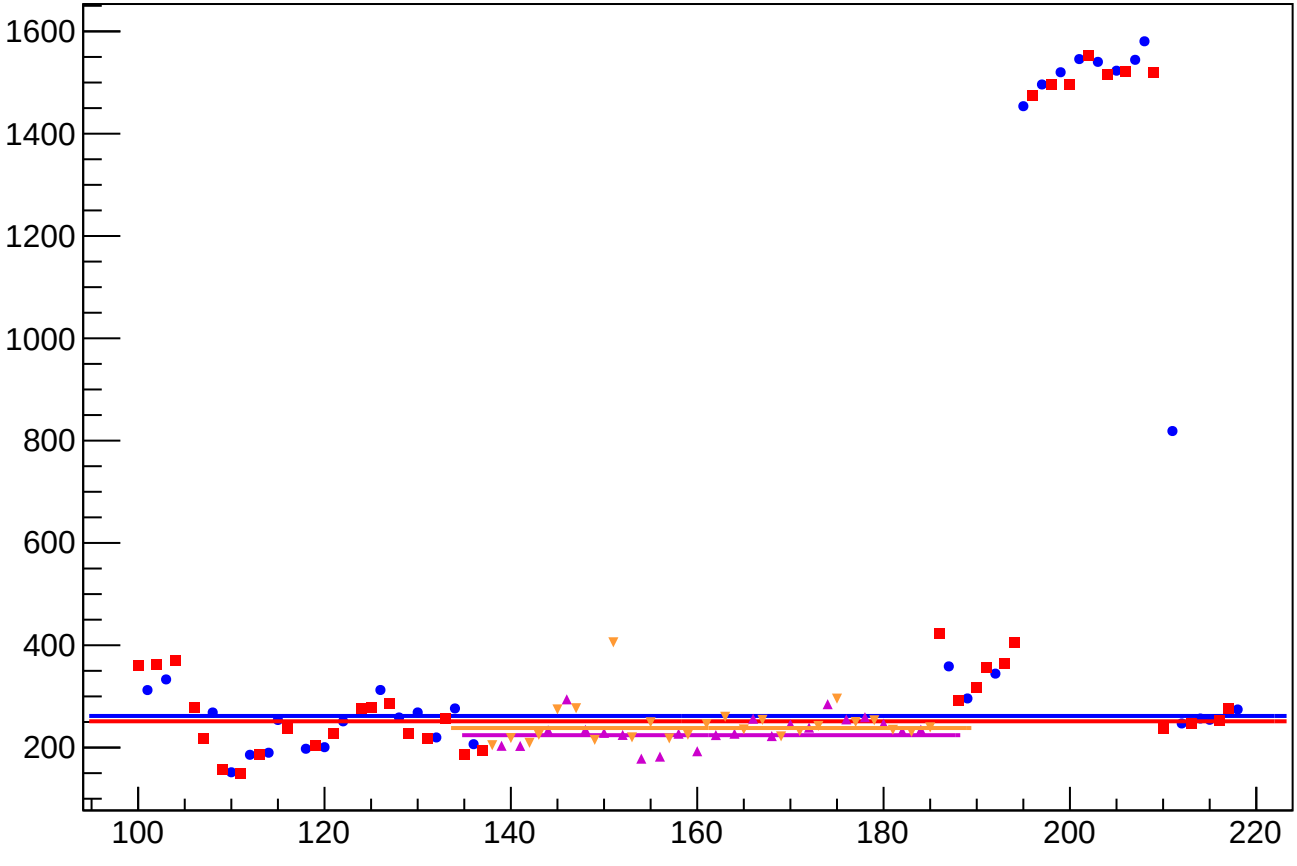
Right: 159.808+/-47.574 χ^2/NDF: 8393.0/67

In: -701.553+/-42.460 χ^2/NDF:3649.8/54

Out: 782.048+/-42.002 χ^2/NDF:7452.6/60

All: 48.302+/-29.861 χ^2/NDF: 11719.5/115

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: 251.365+/-0.046 χ^2/NDF: 10545575.5/35

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

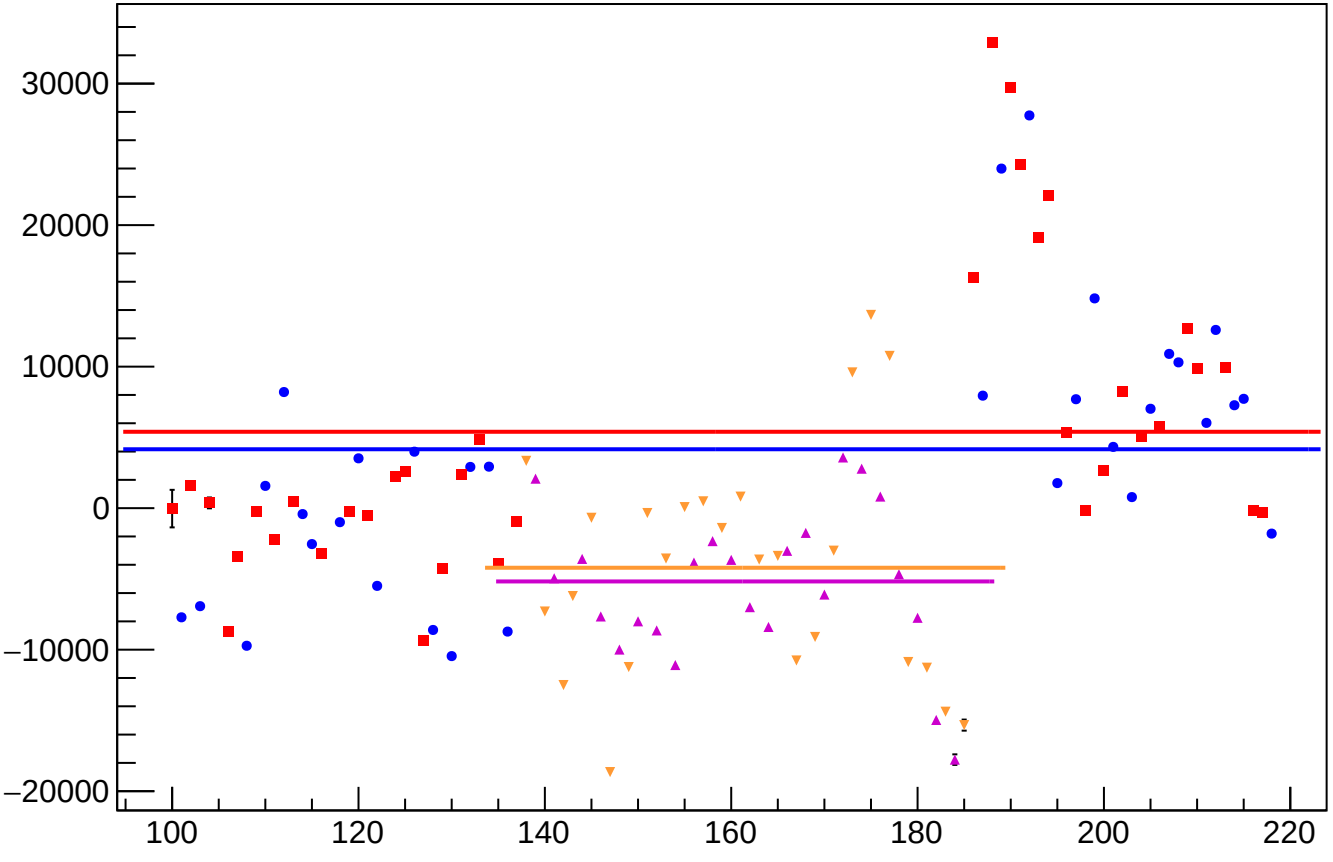
Right: 256.223+/-0.034 χ^2/NDF: 21634594.5/67

In: 238.149+/-0.030 χ^2/NDF:11993988.3/54

Out: 243.685+/-0.030 χ^2/NDF:11161275.6/60

All: 240.947+/-0.021 χ^2/NDF: 23172443.9/11

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: 5397.716+/-31.158 χ^2/NDF: 107251.7/35

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

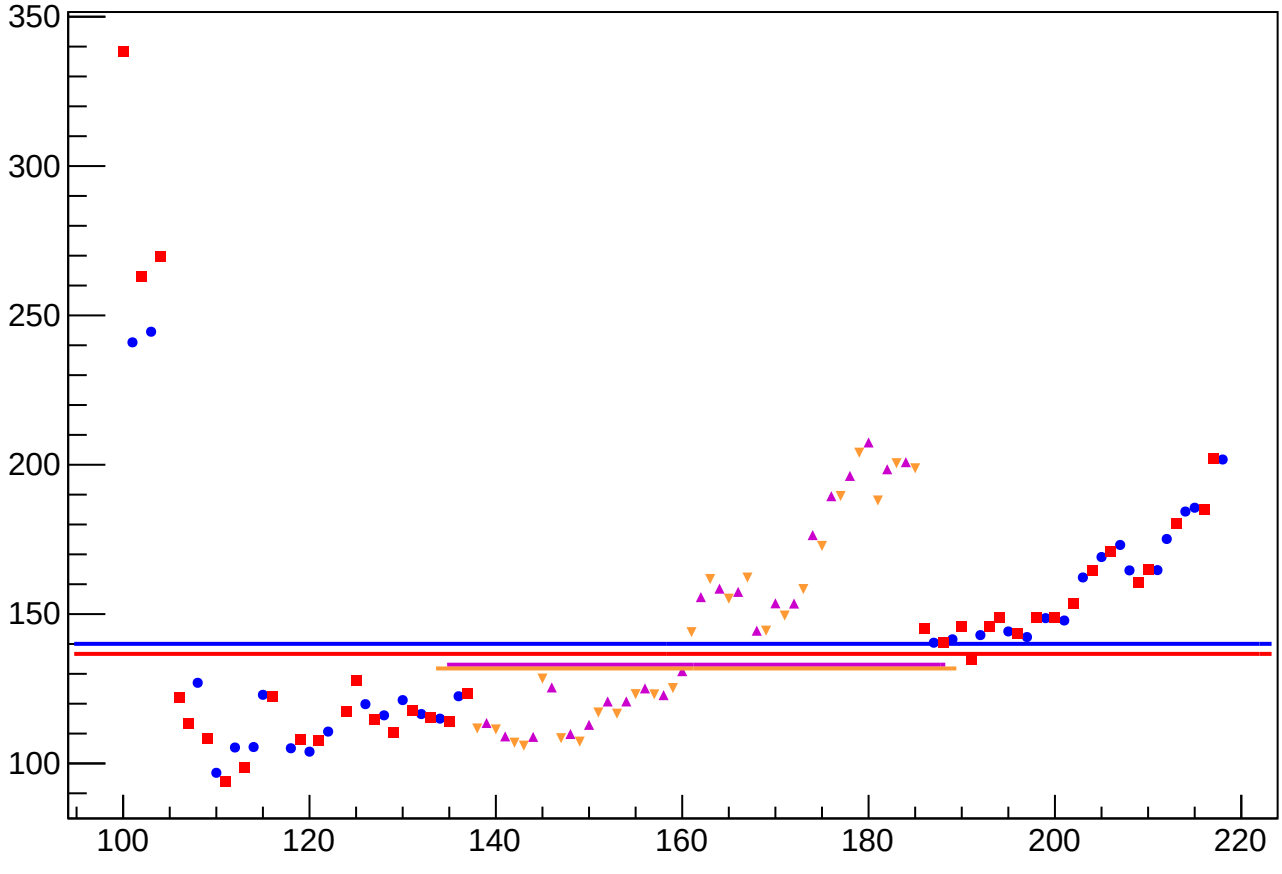
Right: 4802.750+/-22.434 χ^2/NDF: 190843.4/67

In: -560.289+/-22.732 χ^2/NDF:143579.0/54

Out: 542.525+/-21.914 χ^2/NDF:212108.2/60

All: 11.305+/-15.777 χ^2/NDF: 356907.1/115

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: 136.679+/-0.022 χ^2/NDF: 1985478.4/35

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

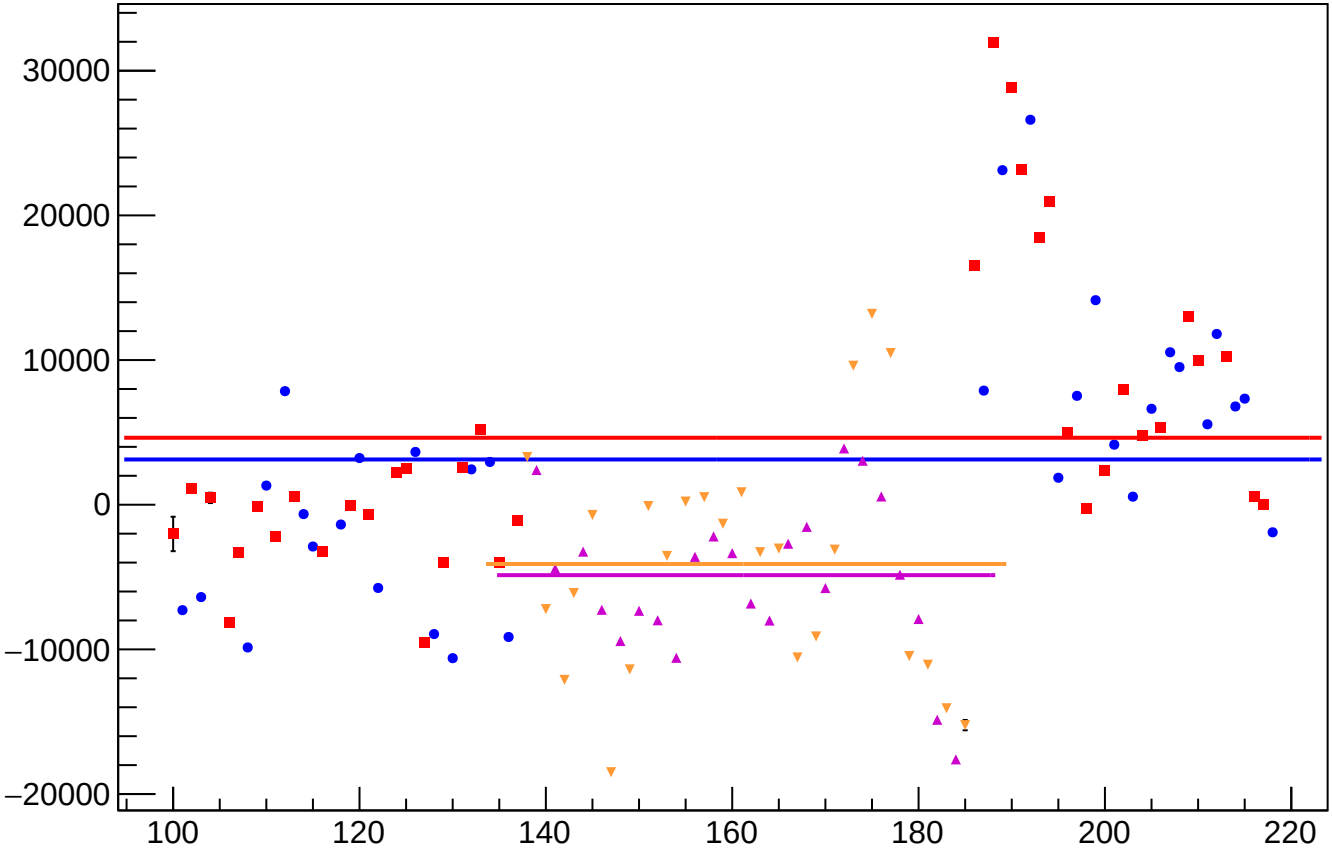
Right: 138.299+/-0.016 χ^2/NDF: 3831448.7/67

In: 136.513+/-0.016 χ^2/NDF:3300151.9/54

Out: 134.212+/-0.015 χ^2/NDF:3554628.3/60

All: 135.320+/-0.011 χ^2/NDF: 6865393.9/115

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: 4629.184+/-28.807 χ^2/NDF: 113979.0/35

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

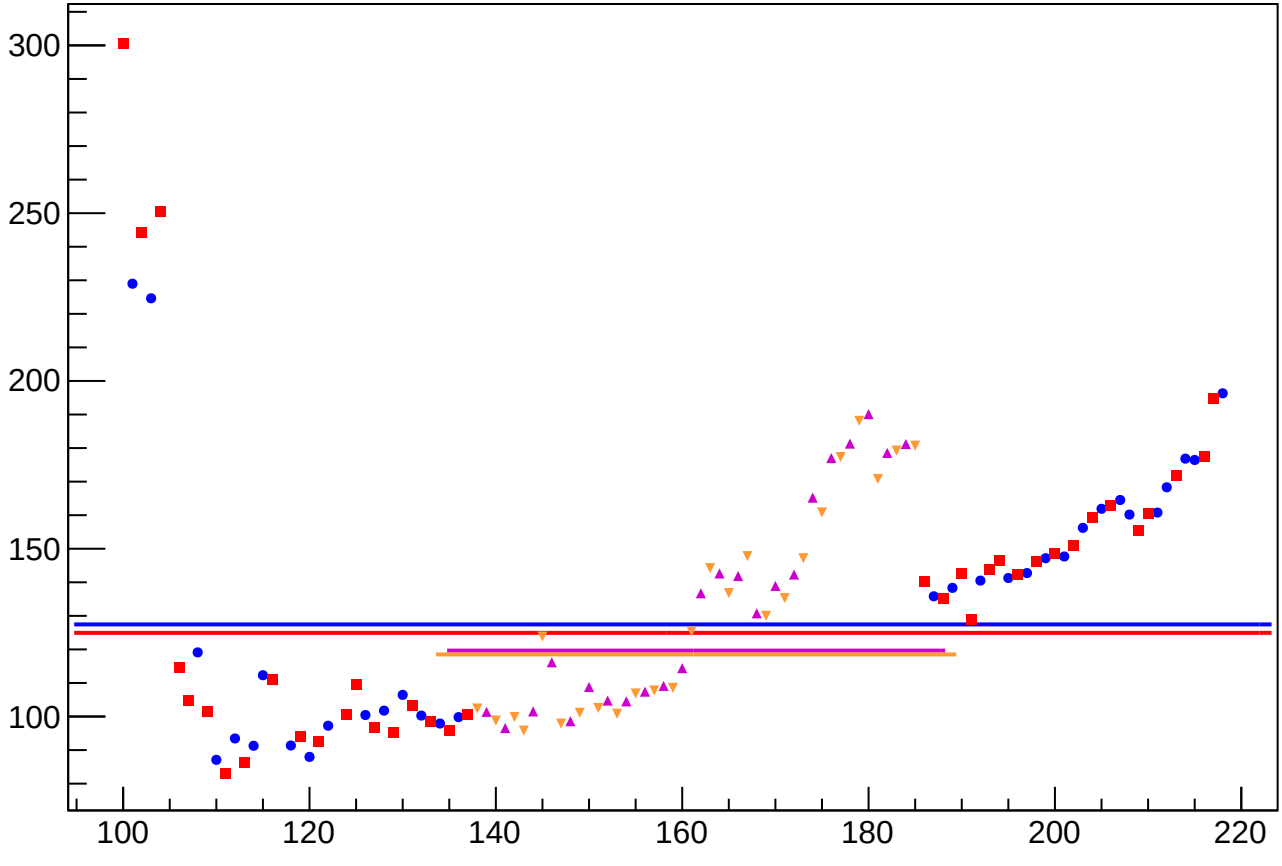
Right: 3903.441+/-20.705 χ^2/NDF: 206370.3/67

In: -1003.458+/-20.706 χ^2/NDF:150248.3/54

Out: 105.520+/-19.993 χ^2/NDF:227830.7/60

All: -429.564+/-14.383 χ^2/NDF: 379563.5/11

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: 124.936+/-0.020 χ^2/NDF: 2748429.1/35

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

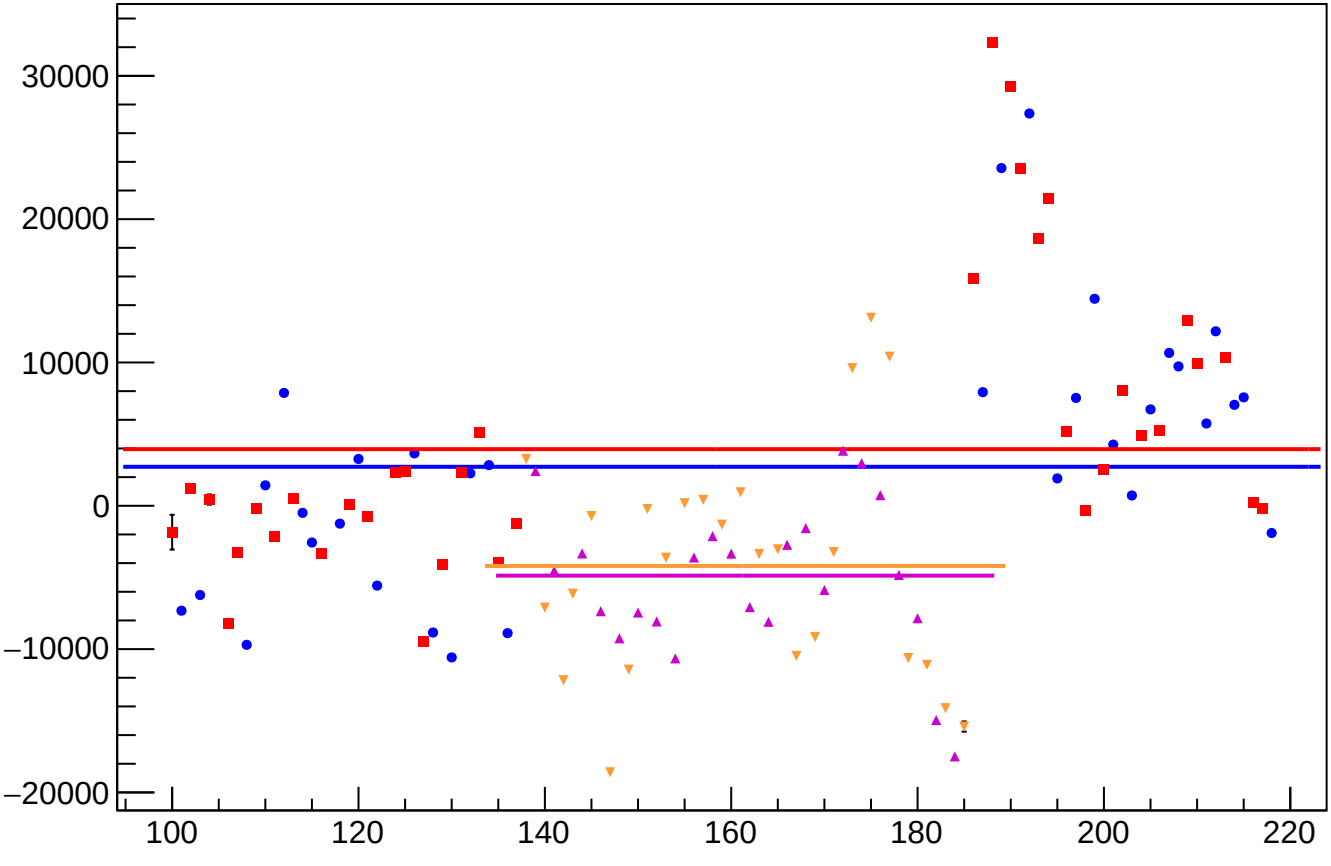
Right: 126.151+/-0.015 χ^2/NDF: 5403419.4/67

In: 123.418+/-0.015 χ^2/NDF:4230979.3/54

Out: 121.601+/-0.014 χ^2/NDF:4427283.8/60

All: 122.478+/-0.010 χ^2/NDF: 8666233.3/115

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: 3951.505+/-28.690 χ^2/NDF: 107524.0/35

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

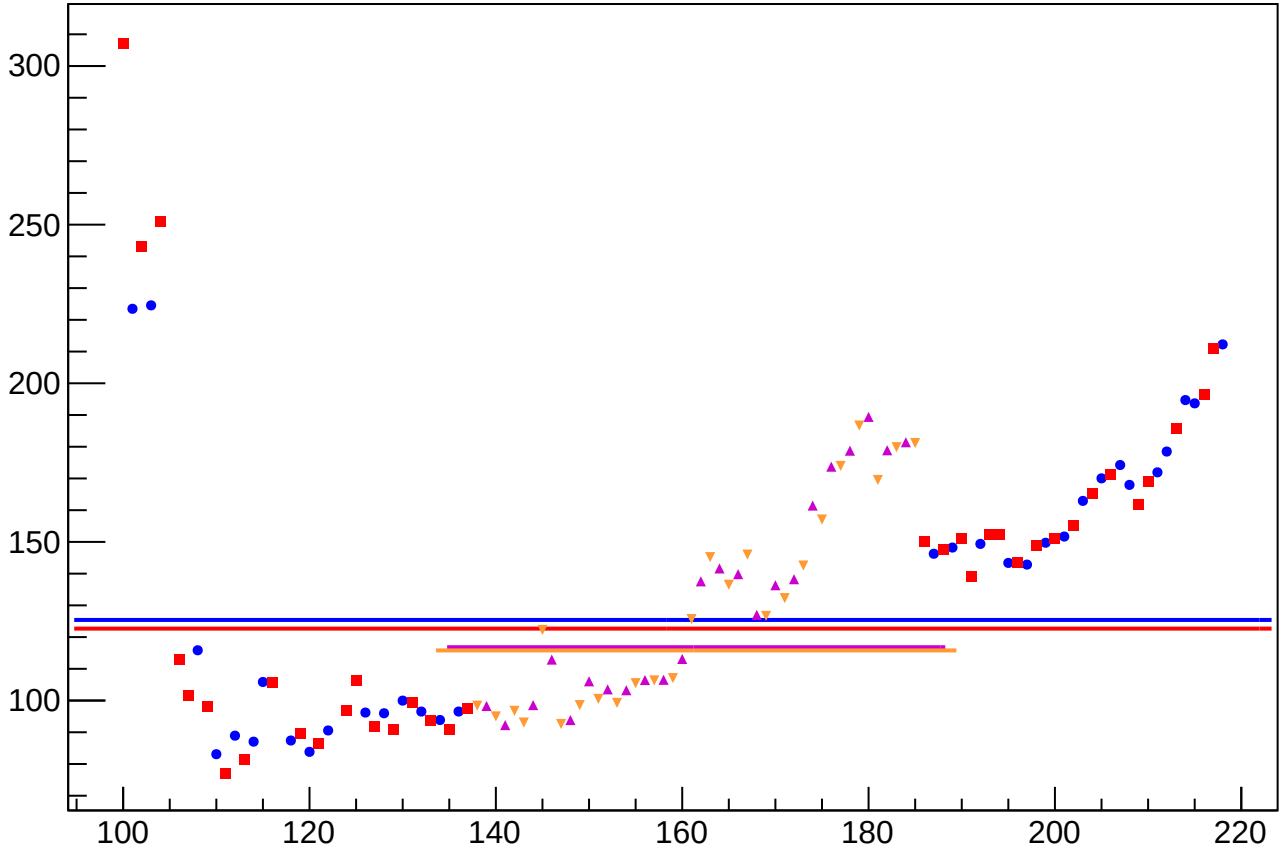
Right: 3357.986+/-20.640 χ^2/NDF: 198659.9/67

In: -1274.408+/-20.455 χ^2/NDF:147538.9/54

Out: -338.394+/-19.743 χ^2/NDF:220410.9/60

All: -789.823+/-14.206 χ^2/NDF: 369033.9/11

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: 122.673+/-0.020 χ^2/NDF: 3709434.6/35

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

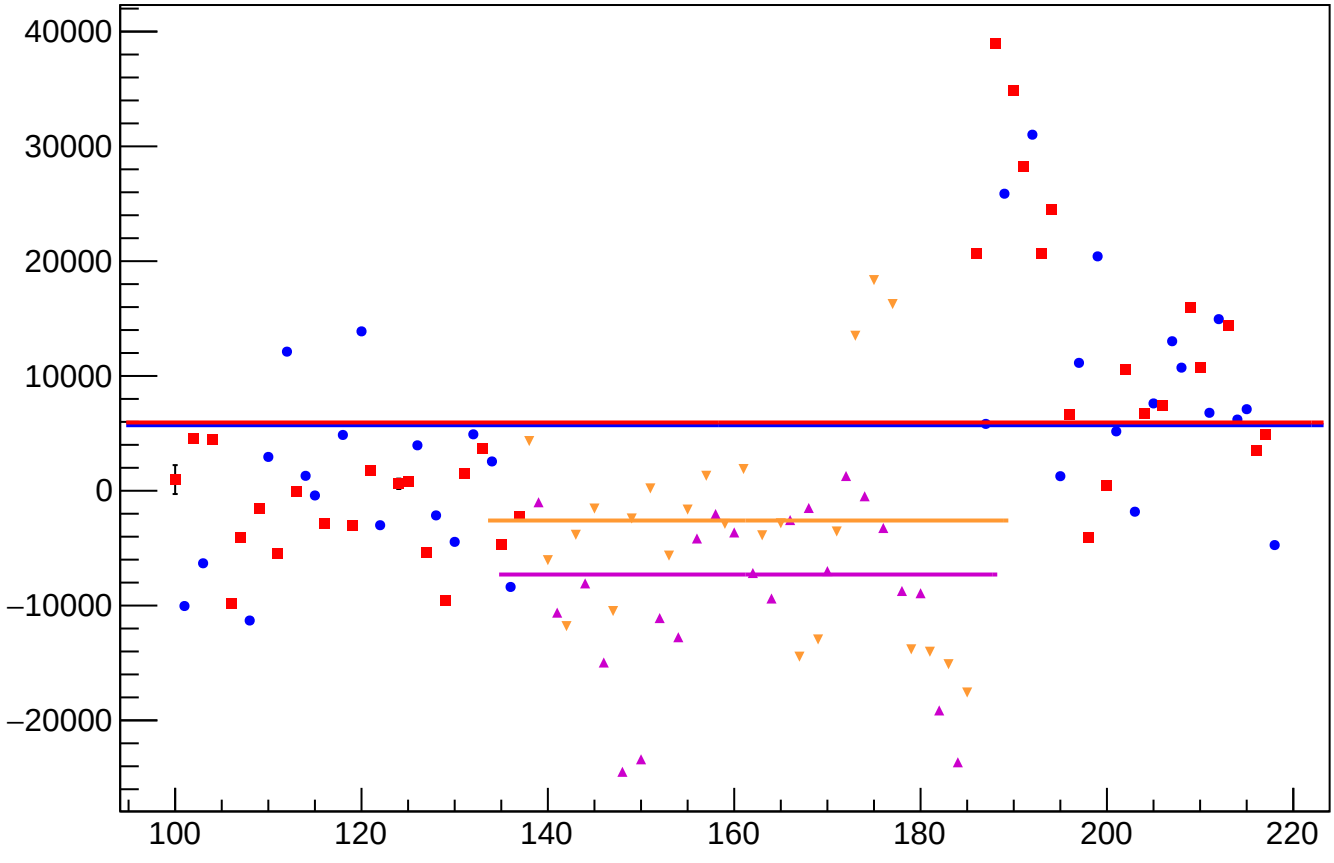
Right: 123.992+/-0.015 χ^2/NDF: 7276257.5/67

In: 120.883+/-0.014 χ^2/NDF:5263822.4/54

Out: 119.054+/-0.014 χ^2/NDF:5518916.3/60

All: 119.936+/-0.010 χ^2/NDF: 10791022.1/11

asym_bpm0i01WS_mean vs Slug, Sign Corrected



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: 5948.666+/-37.667 χ^2/NDF: 101582.4/35

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

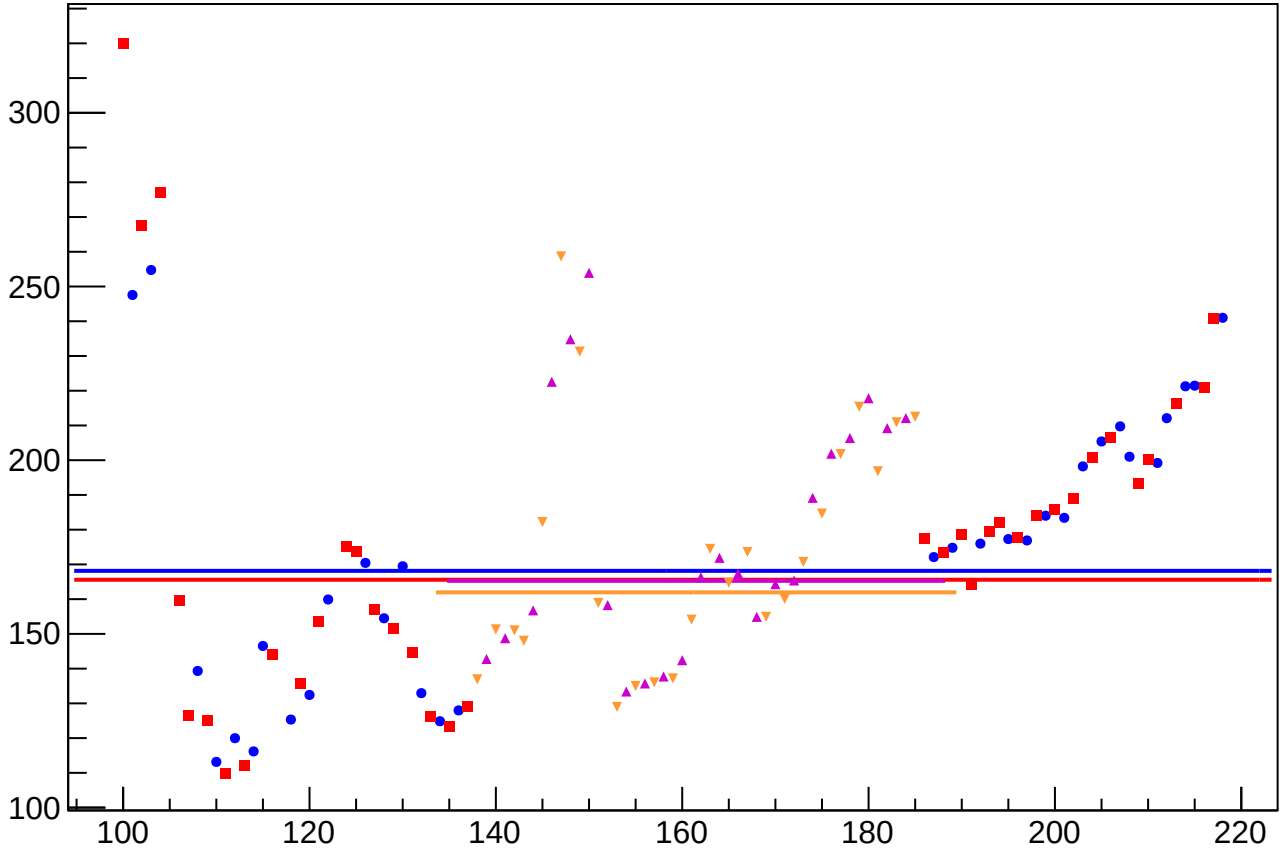
Right: 5832.473+/-27.006 χ^2/NDF: 169205.3/67

In: -654.727+/-27.684 χ^2/NDF:147496.4/54

Out: 1675.917+/-26.626 χ^2/NDF:175295.2/60

All: 555.984+/-19.191 χ^2/NDF: 326473.3/115

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: 165.589+/-0.027 χ^2/NDF: 1973597.6/35

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

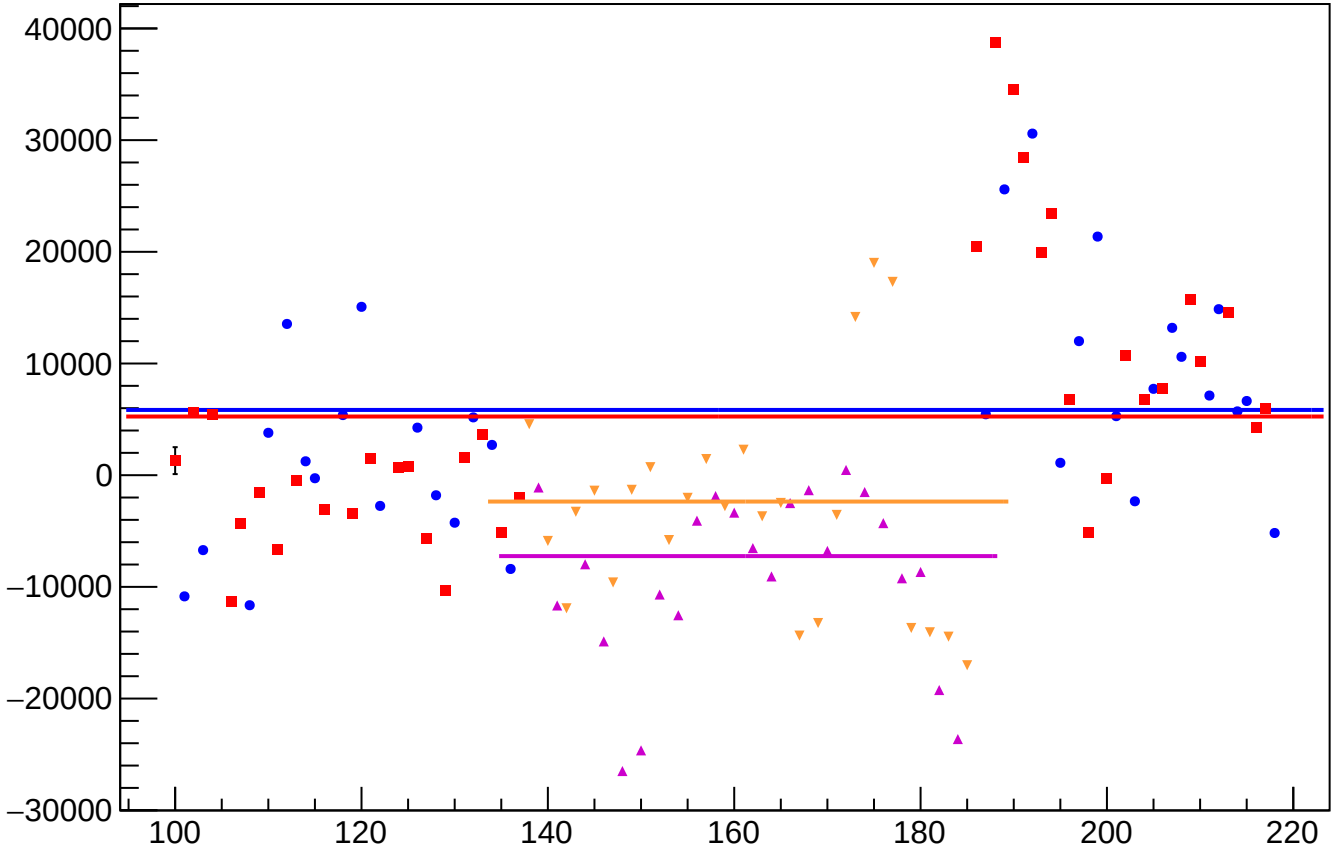
Right: 166.832+/-0.019 χ^2/NDF: 3884219.1/67

In: 166.740+/-0.020 χ^2/NDF:3090617.8/54

Out: 163.772+/-0.019 χ^2/NDF:3127709.5/60

All: 165.198+/-0.014 χ^2/NDF: 6230273.4/115

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: 5254.047+/-31.963 χ^2/NDF: 141560.0/35

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

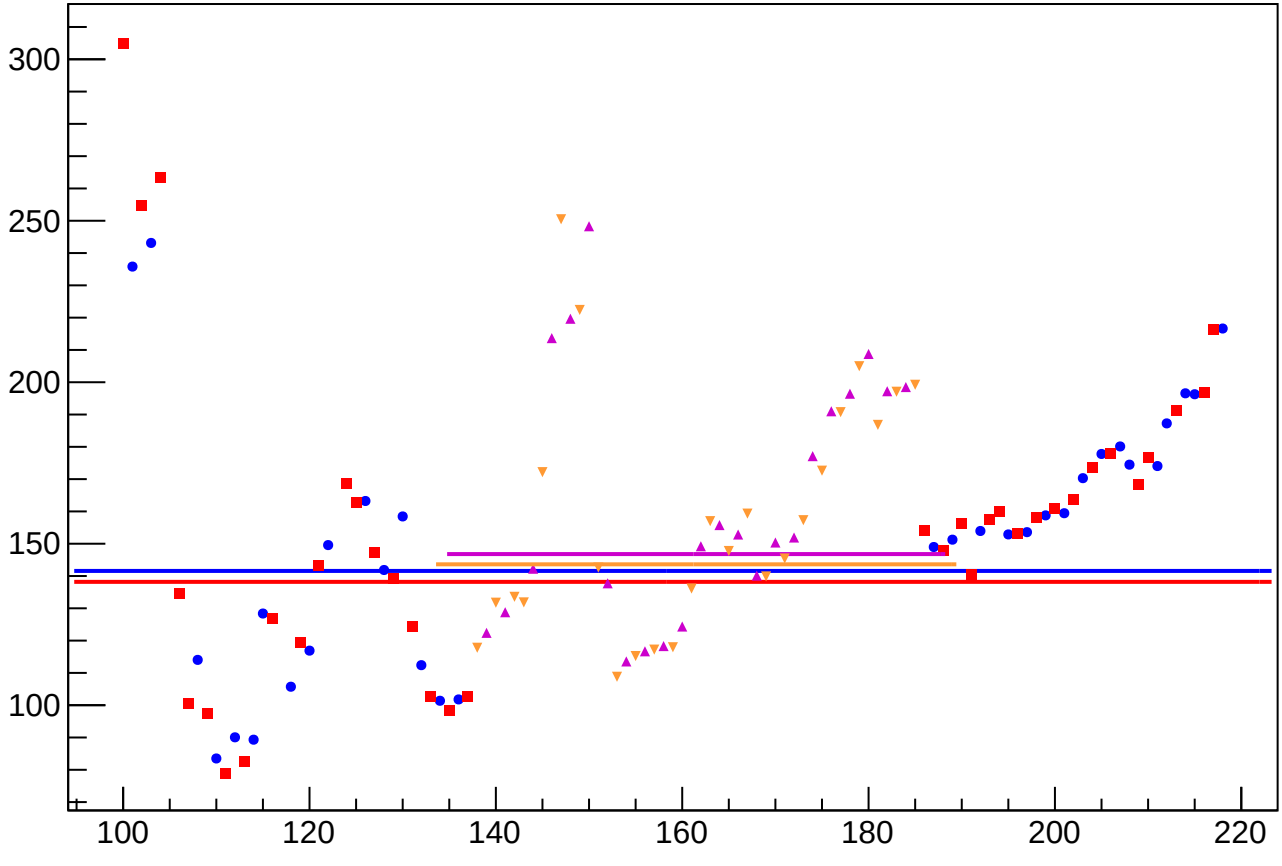
Right: 5538.357+/-22.985 χ^2/NDF: 235708.0/67

In: -237.601+/-24.202 χ^2/NDF:197171.2/54

Out: 1645.734+/-23.184 χ^2/NDF:227021.6/60

All: 744.494+/-16.742 χ^2/NDF: 427350.5/115

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: 138.192+/-0.023 χ^2/NDF: 3024581.1/35

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

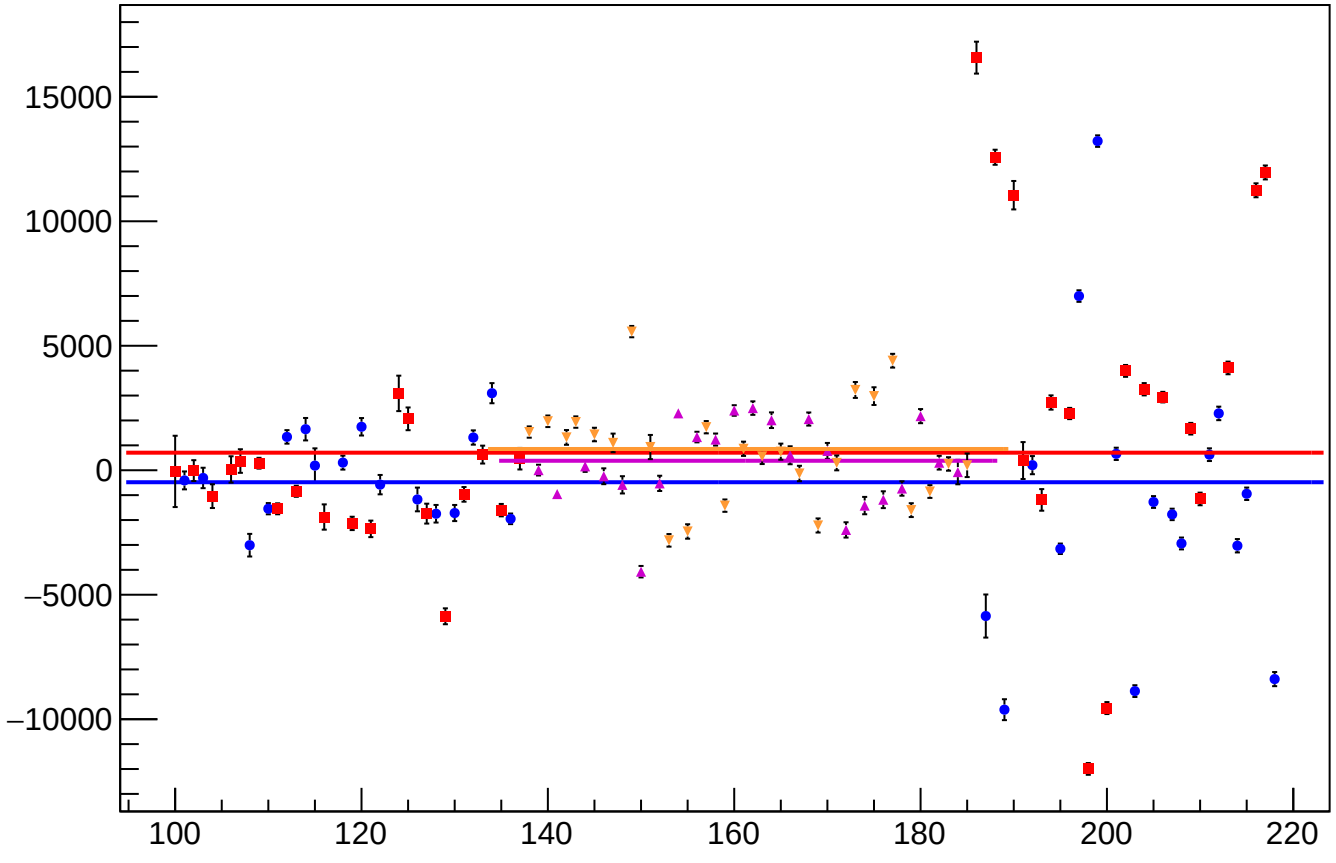
Right: 139.826+/-0.016 χ^2/NDF: 5798870.1/67

In: 144.000+/-0.017 χ^2/NDF:4481111.7/54

Out: 140.765+/-0.016 χ^2/NDF:4714764.2/60

All: 142.313+/-0.012 χ^2/NDF: 9214506.5/115

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: 705.391+/-50.464 χ^2/NDF: 11993.7/35

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

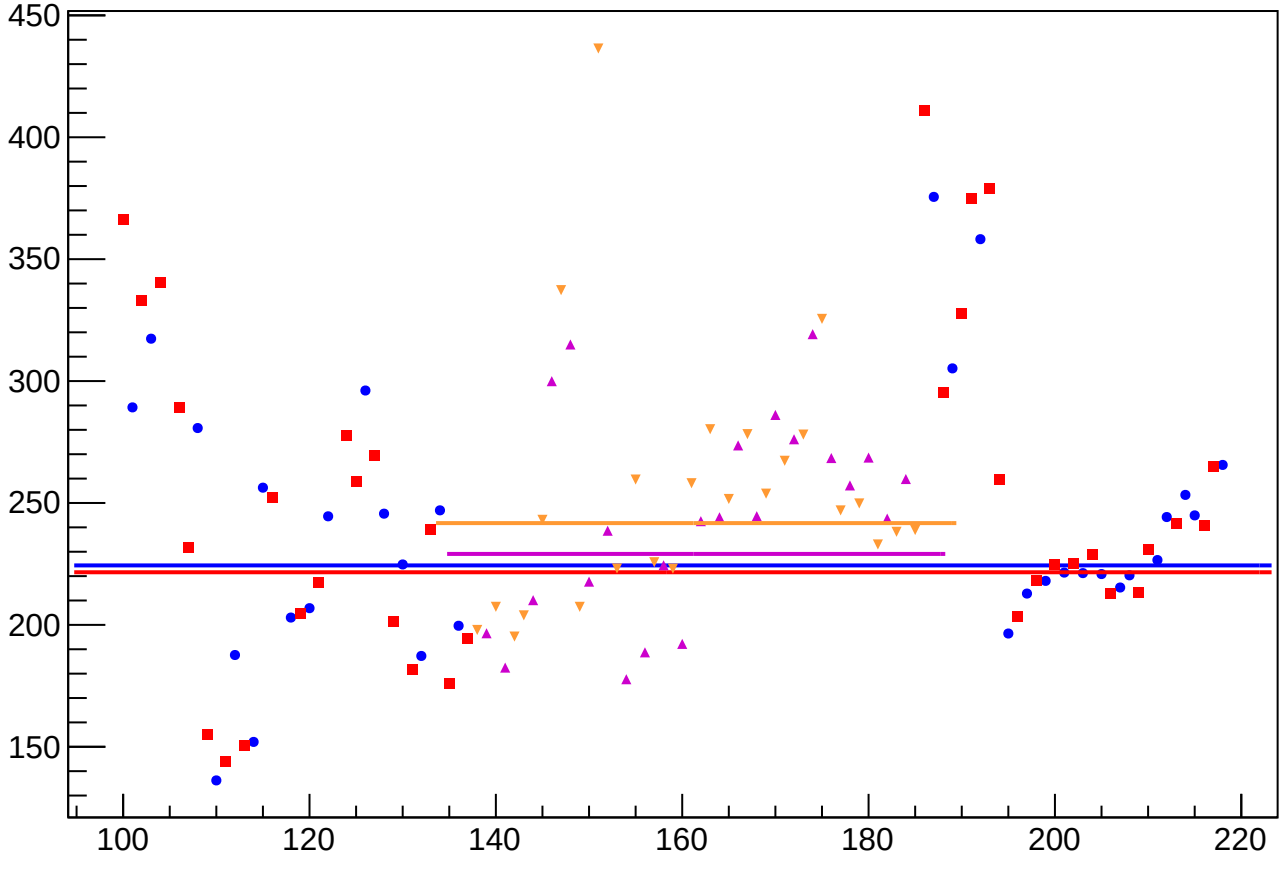
Right: 119.648+/-35.913 χ^2/NDF: 20281.0/67

In: -82.810+/-37.486 χ^2/NDF:9128.3/54

Out: 771.642+/-37.559 χ^2/NDF:13441.4/60

All: 343.585+/-26.532 χ^2/NDF: 22828.9/115

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: 221.580+/-0.036 χ^2/NDF: 1992083.3/35

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

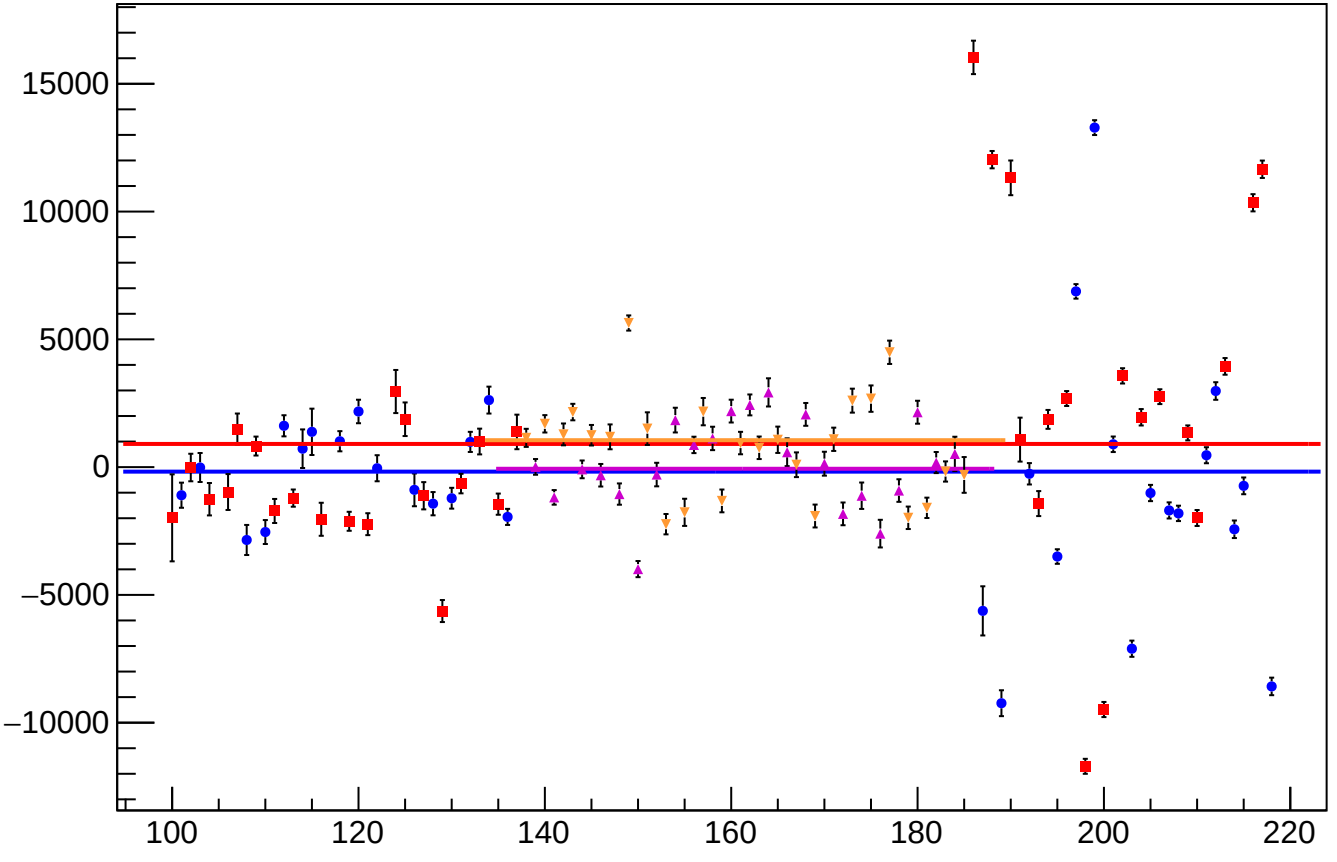
Right: 222.968+/-0.025 χ^2/NDF: 3272107.4/67

In: 226.570+/-0.027 χ^2/NDF:2353769.9/54

Out: 230.575+/-0.027 χ^2/NDF:3120929.4/60

All: 228.569+/-0.019 χ^2/NDF: 5486092.8/115

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: 907.118+/-67.350 χ^2/NDF: 7624.2/35

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

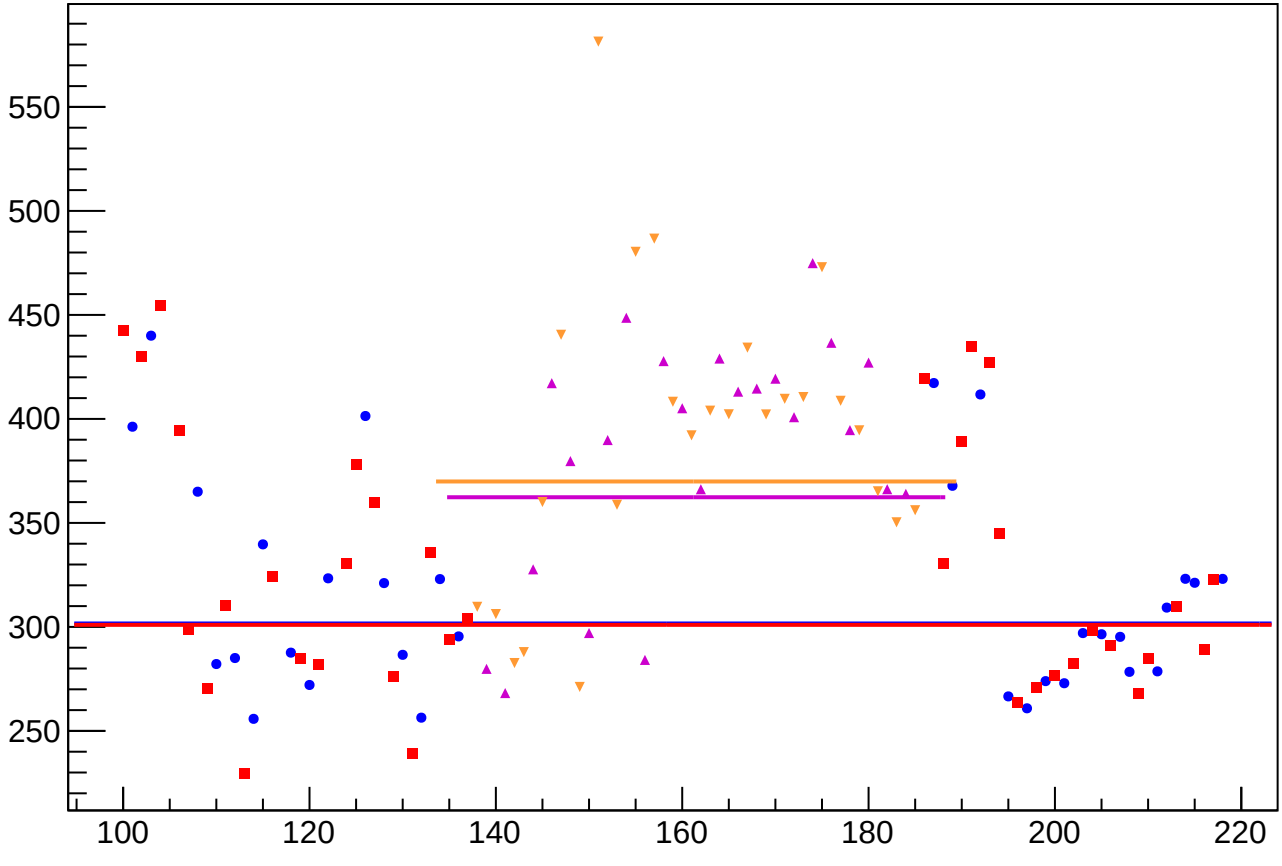
Right: 370.974+/-47.873 χ^2/NDF: 12480.2/67

In: -133.845+/-53.526 χ^2/NDF:5123.3/54

Out: 962.795+/-53.000 χ^2/NDF:8240.7/60

All: 419.883+/-37.661 χ^2/NDF: 13575.9/115

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: 300.997+/-0.048 χ^2/NDF: 965233.3/35

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

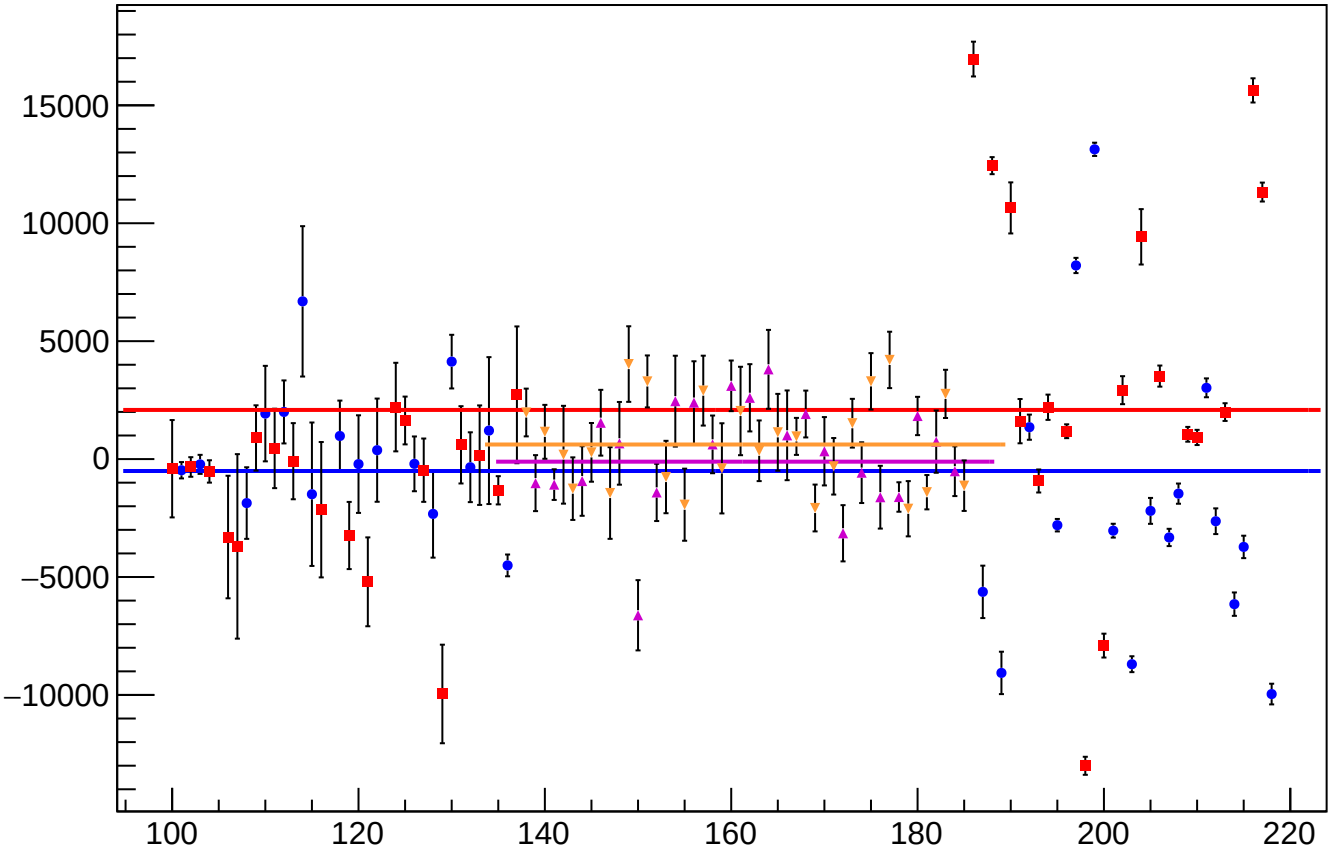
Right: 301.319+/-0.034 χ^2/NDF: 1656072.3/67

In: 324.802+/-0.038 χ^2/NDF:2350922.7/54

Out: 327.240+/-0.037 χ^2/NDF:2993044.9/60

All: 326.033+/-0.027 χ^2/NDF: 5346063.1/115

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: 2083.939+/-97.416 χ^2/NDF: 4768.8/35

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

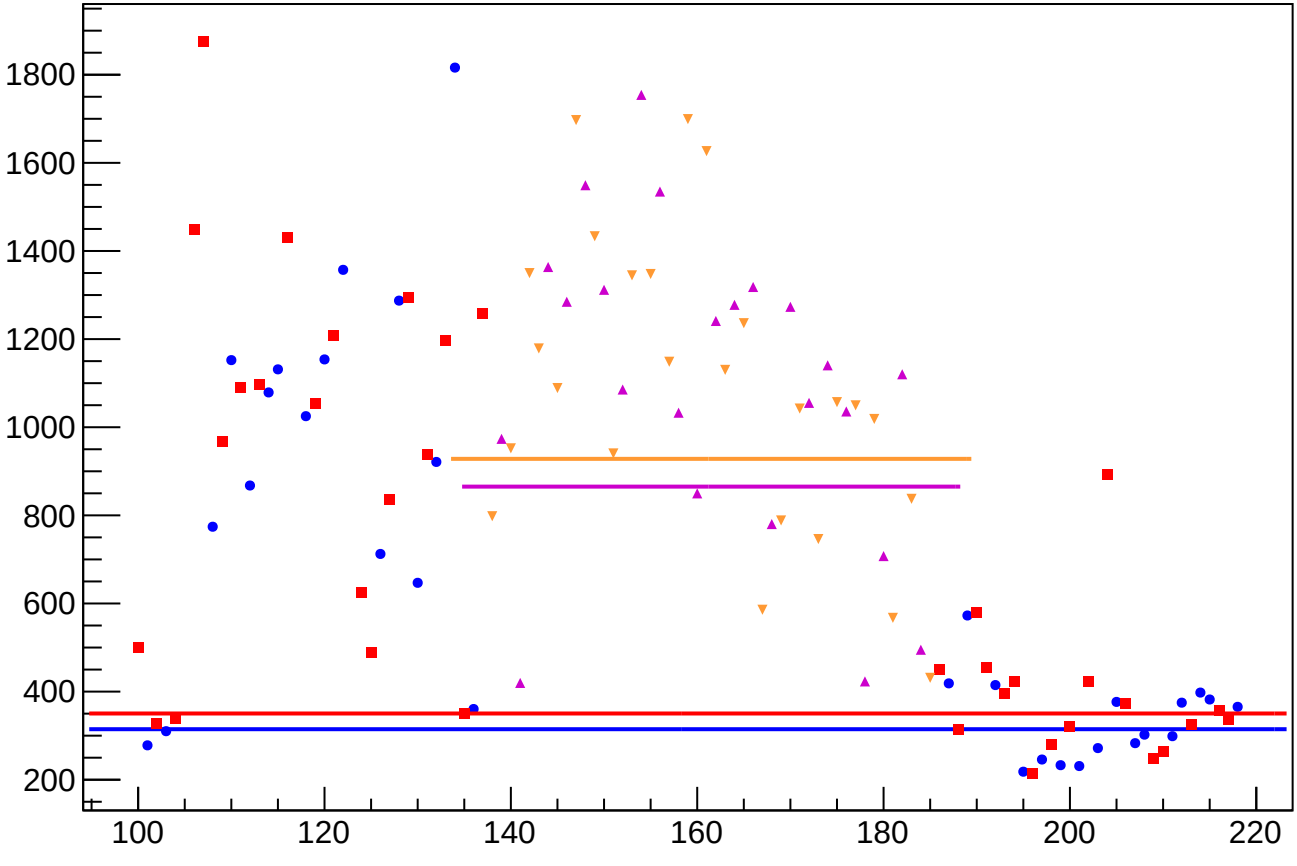
Right: 674.859+/-65.765 χ^2/NDF: 10012.3/67

In: -456.403+/-83.474 χ^2/NDF:4933.2/54

Out: 1873.891+/-90.164 χ^2/NDF:4867.0/60

All: 619.102+/-61.254 χ^2/NDF: 10159.9/115

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: 350.332+/-0.069 χ^2/NDF: 6163179.0/35

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

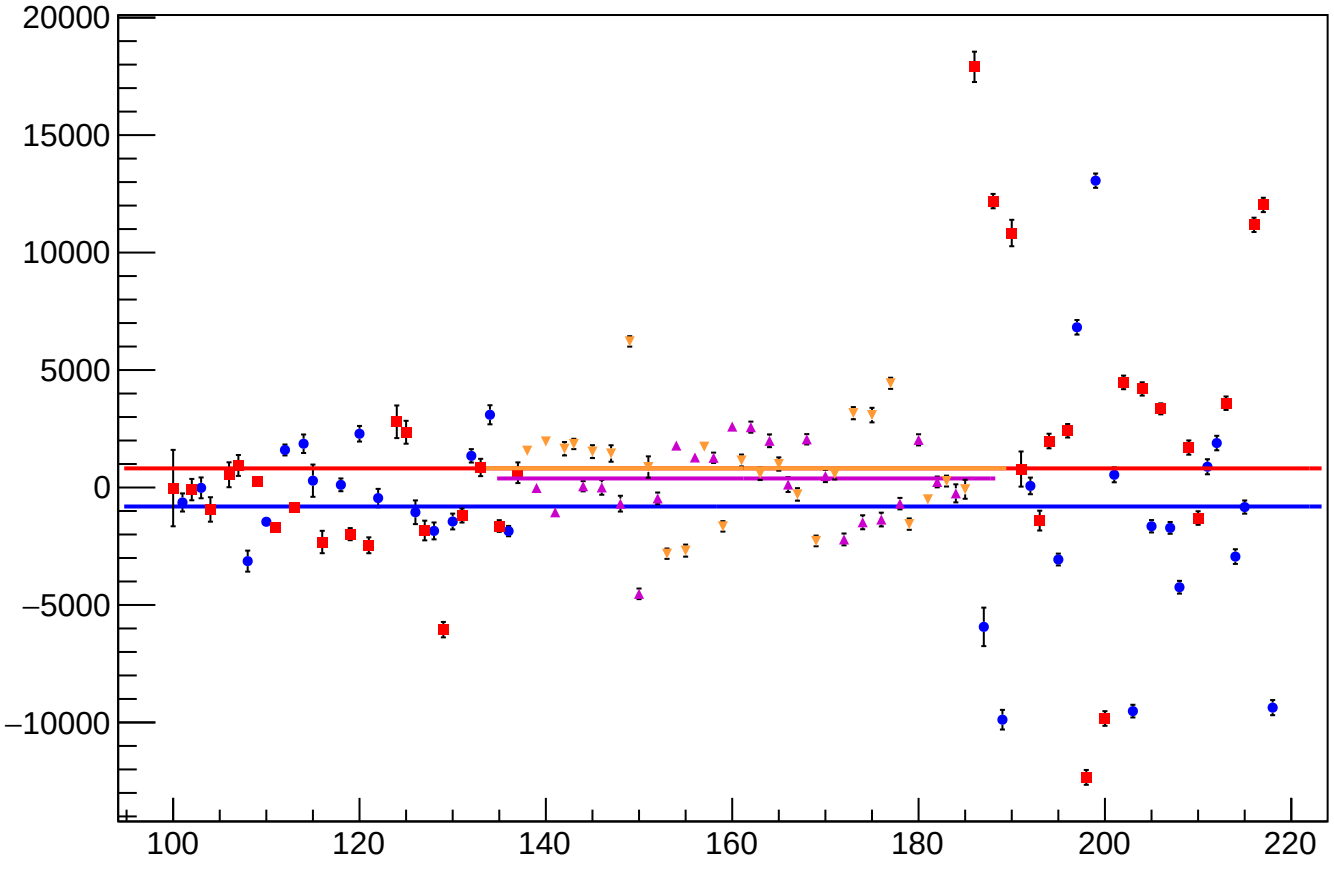
Right: 330.926+/-0.047 χ^2/NDF: 11631773.2/67

In: 382.498+/-0.059 χ^2/NDF:19512704.6/54

Out: 433.169+/-0.064 χ^2/NDF:19547050.9/60

All: 405.884+/-0.043 χ^2/NDF: 39399877.6/11

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: 814.074+/-53.235 χ^2/NDF: 9604.5/35

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

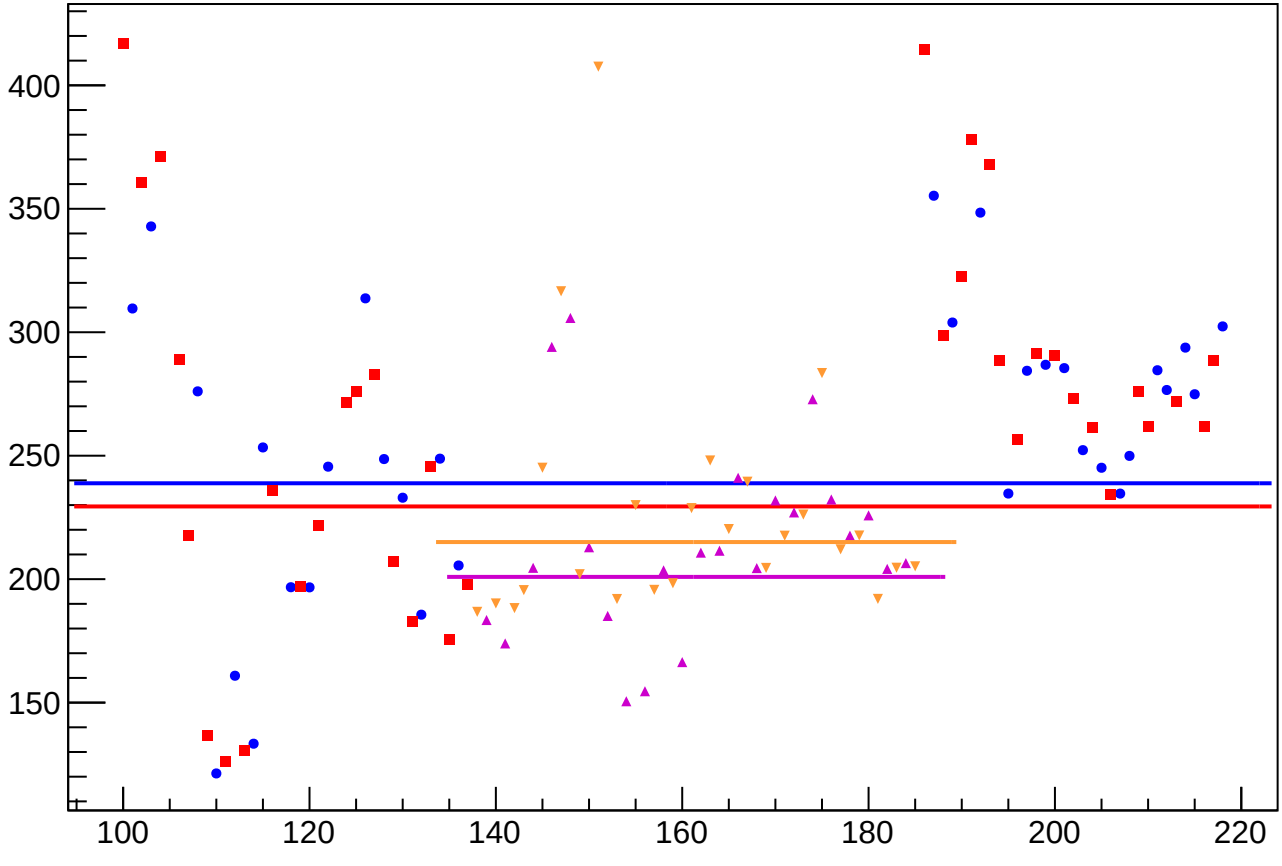
Right: 31.304+/-38.299 χ^2/NDF: 15893.5/67

In: -135.046+/-36.398 χ^2/NDF:7358.5/54

Out: 817.659+/-36.444 χ^2/NDF:11595.3/60

All: 340.711+/-25.754 χ^2/NDF: 19295.9/115

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: 229.447+/-0.038 χ^2/NDF: 3330741.8/35

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

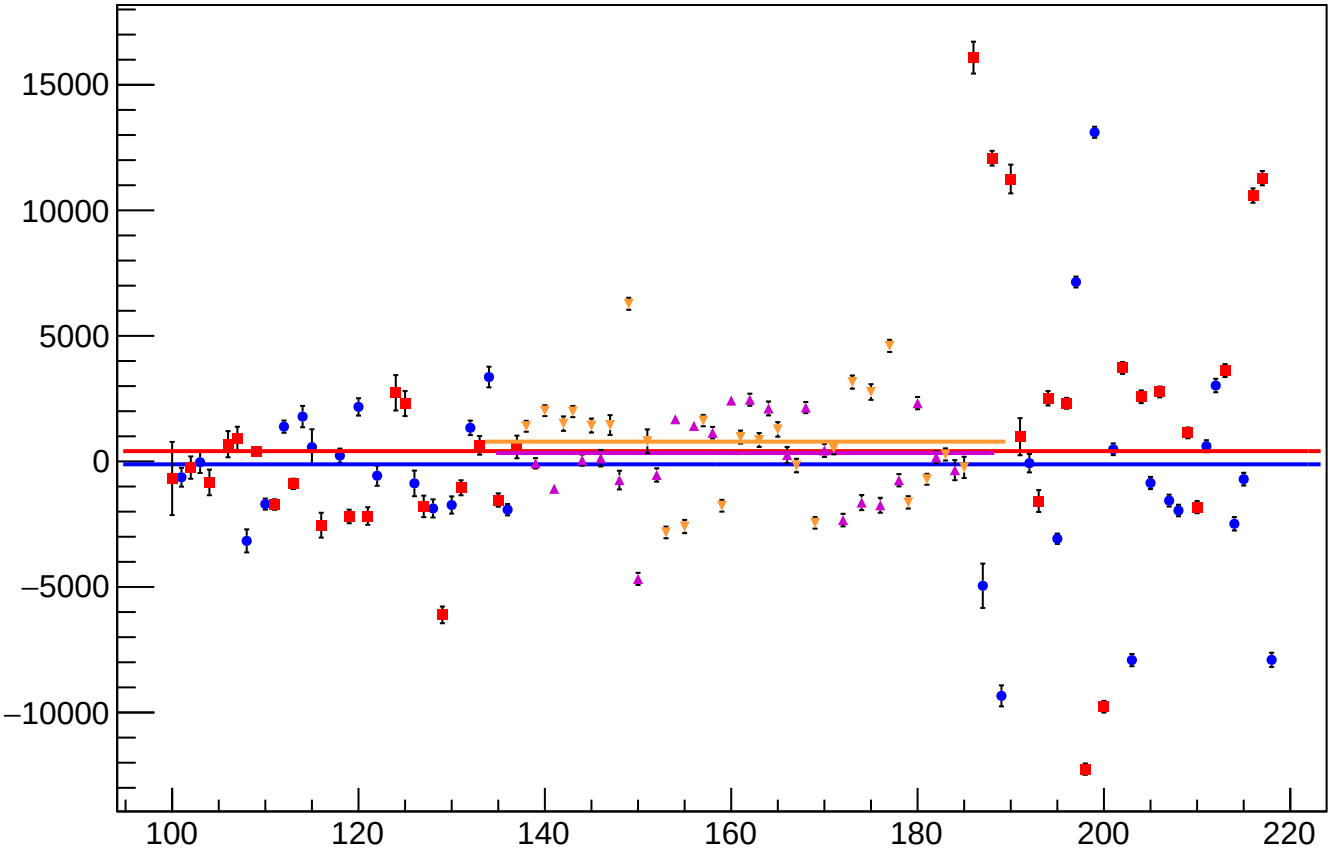
Right: 233.975+/-0.027 χ^2/NDF: 5505401.5/67

In: 217.438+/-0.026 χ^2/NDF:3784094.7/54

Out: 221.785+/-0.026 χ^2/NDF:4306508.3/60

All: 219.609+/-0.018 χ^2/NDF: 8104850.5/115

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: 409.670+/-49.894 χ^2/NDF: 11949.8/35

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

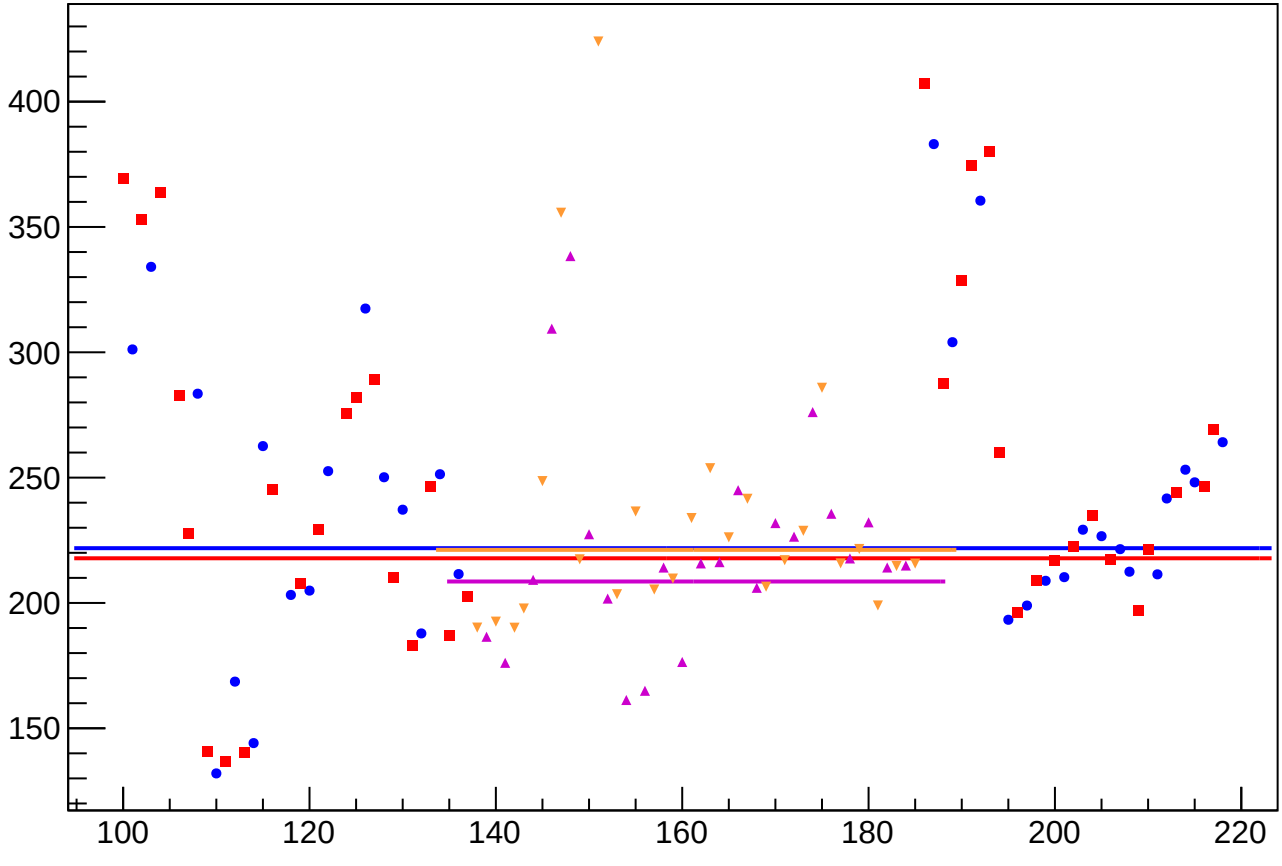
Right: 151.494+/-35.569 χ^2/NDF: 19944.7/67

In: 111.336+/-35.678 χ^2/NDF:9195.2/54

Out: 593.175+/-35.809 χ^2/NDF:13867.9/60

All: 351.370+/-25.274 χ^2/NDF: 23154.0/115

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: 217.819+/-0.035 χ^2/NDF: 2396768.4/35

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

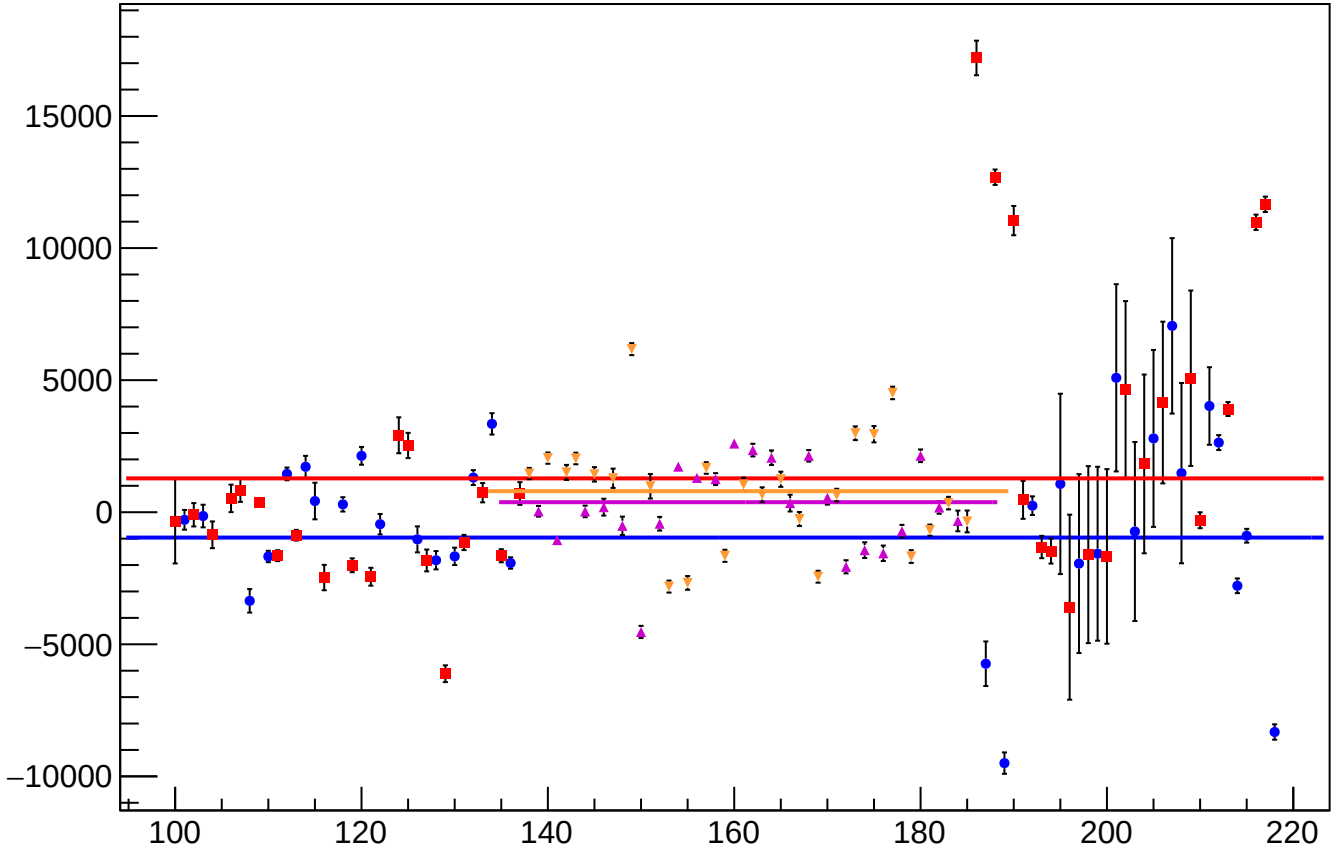
Right: 219.801+/-0.025 χ^2/NDF: 3936920.1/67

In: 215.133+/-0.025 χ^2/NDF:2638775.7/54

Out: 219.451+/-0.025 χ^2/NDF:3340703.7/60

All: 217.284+/-0.018 χ^2/NDF: 5994072.1/115

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: 1281.381+/-61.464 χ^2/NDF: 6546.0/35

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

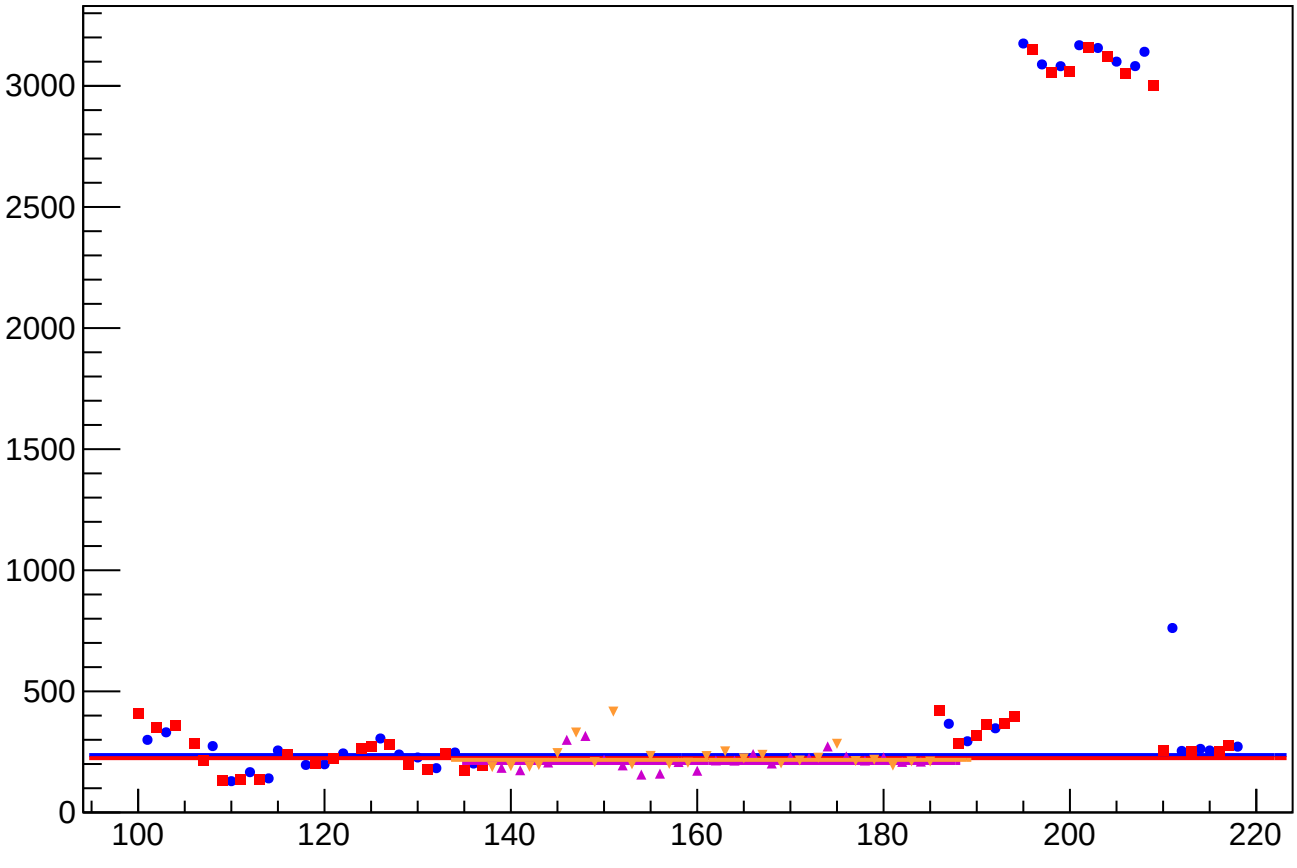
Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

Right: 254.364+/-45.237 χ^2/NDF: 9021.0/67

In: -90.959+/-39.610 χ^2/NDF:3327.5/54

Out: 992.470+/-39.017 χ^2/NDF:8543.9/60

All: 458.935+/-27.796 χ^2/NDF: 12251.0/115



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: 224.225+/-0.043 χ^2/NDF: 13239022.2/35

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

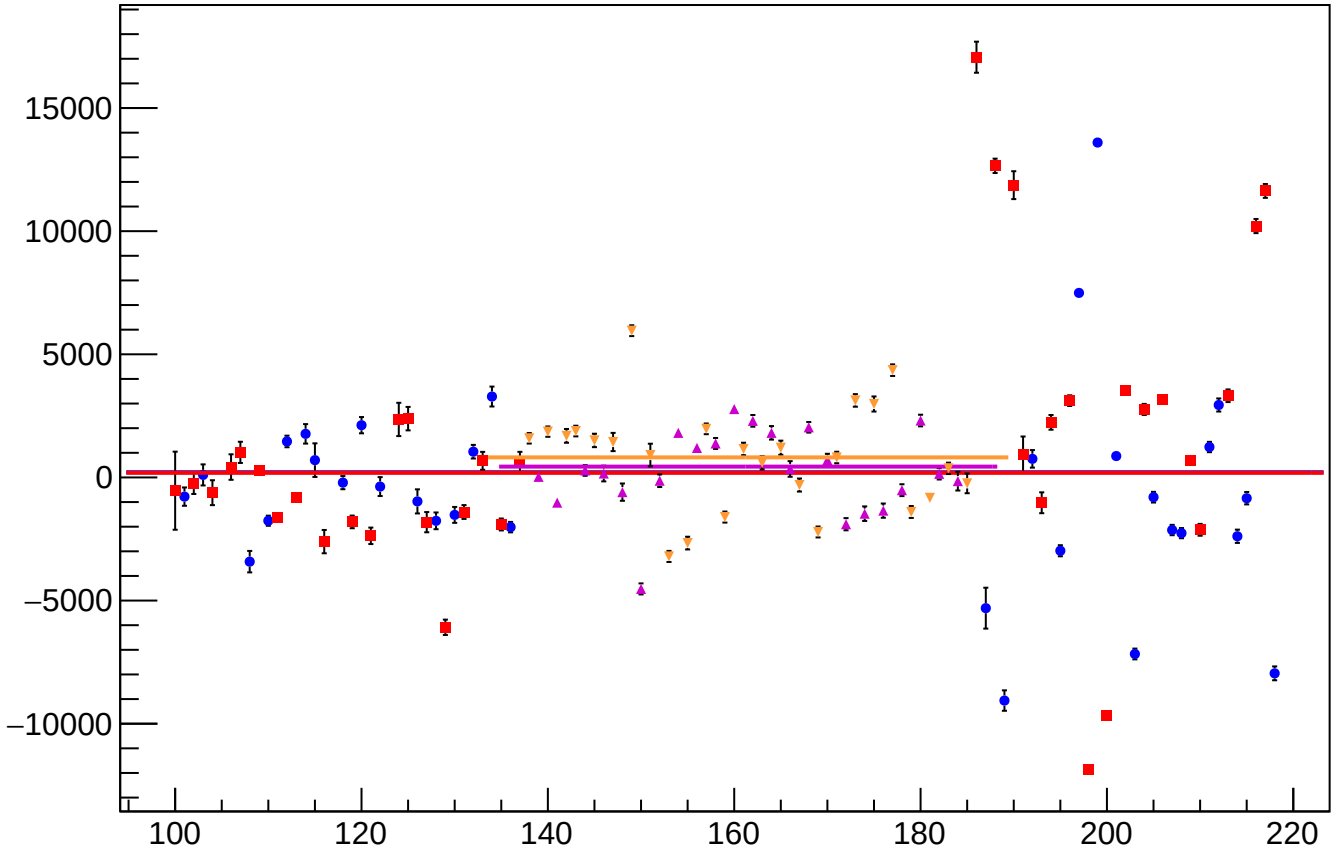
Right: 230.041+/-0.032 χ^2/NDF: 26687823.7/67

In: 215.766+/-0.028 χ^2/NDF:14733684.0/54

Out: 220.045+/-0.028 χ^2/NDF:14164957.4/60

All: 217.938+/-0.020 χ^2/NDF: 28910487.9/11

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: 189.390+/-46.721 χ^2/NDF: 13972.7/35

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

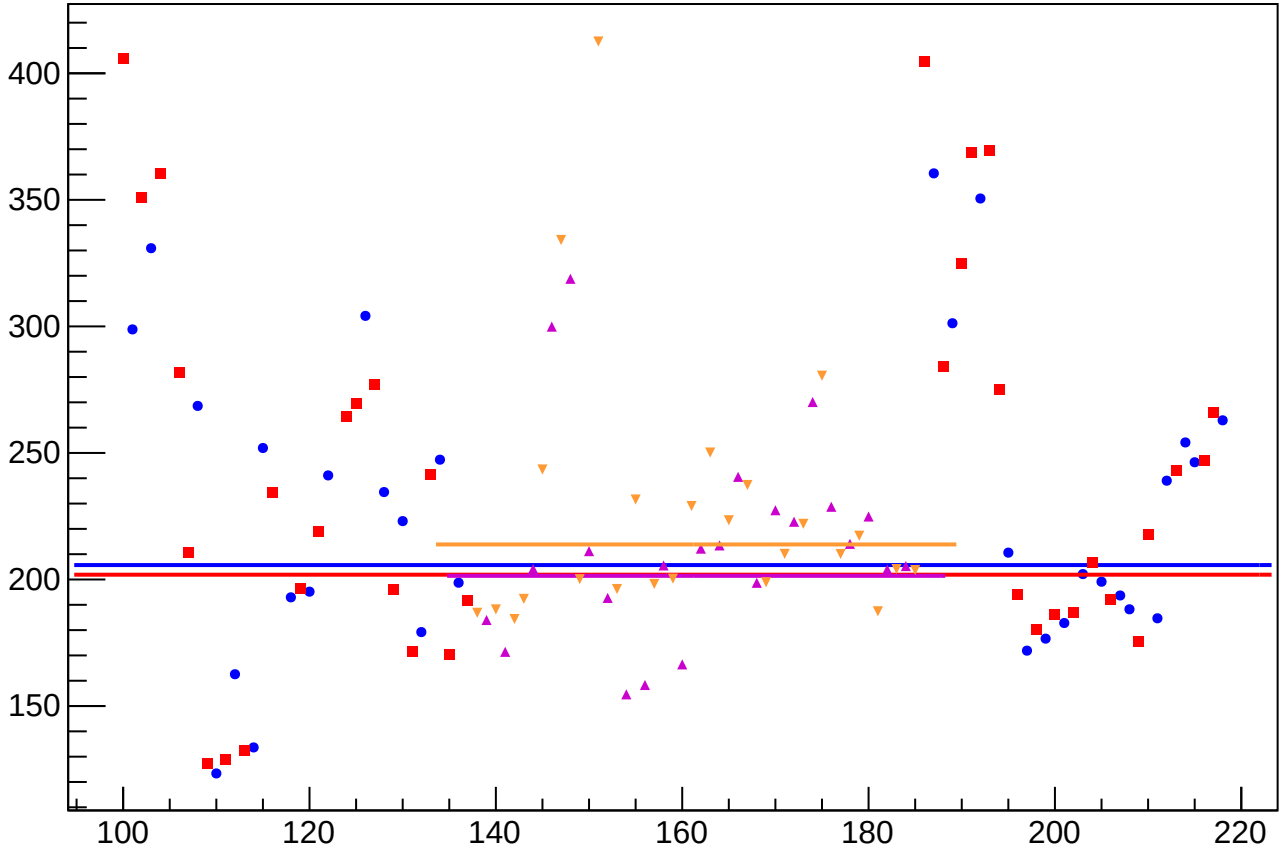
Right: 199.437+/-33.308 χ^2/NDF: 24196.4/67

In: 322.265+/-33.947 χ^2/NDF:11470.0/54

Out: 482.170+/-34.060 χ^2/NDF:16056.9/60

All: 401.951+/-24.044 χ^2/NDF: 27538.0/115

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: 201.896+/-0.033 χ^2/NDF: 2901262.9/35

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

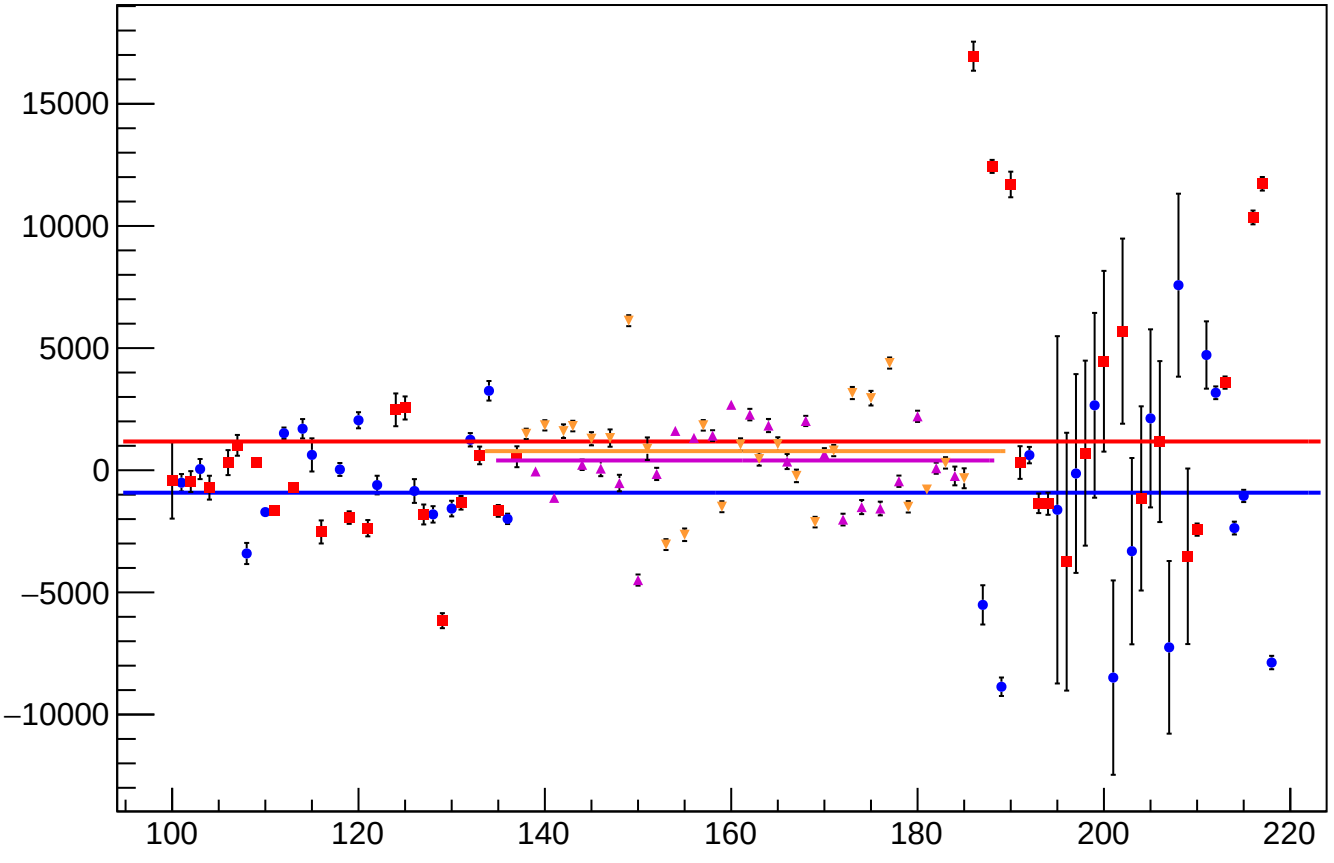
Right: 203.769+/-0.024 χ^2/NDF: 4791975.4/67

In: 203.621+/-0.024 χ^2/NDF:2954017.1/54

Out: 207.496+/-0.024 χ^2/NDF:3926167.0/60

All: 205.552+/-0.017 χ^2/NDF: 6893168.9/115

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: 1177.361+/-58.627 χ^2/NDF: 7298.0/35

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

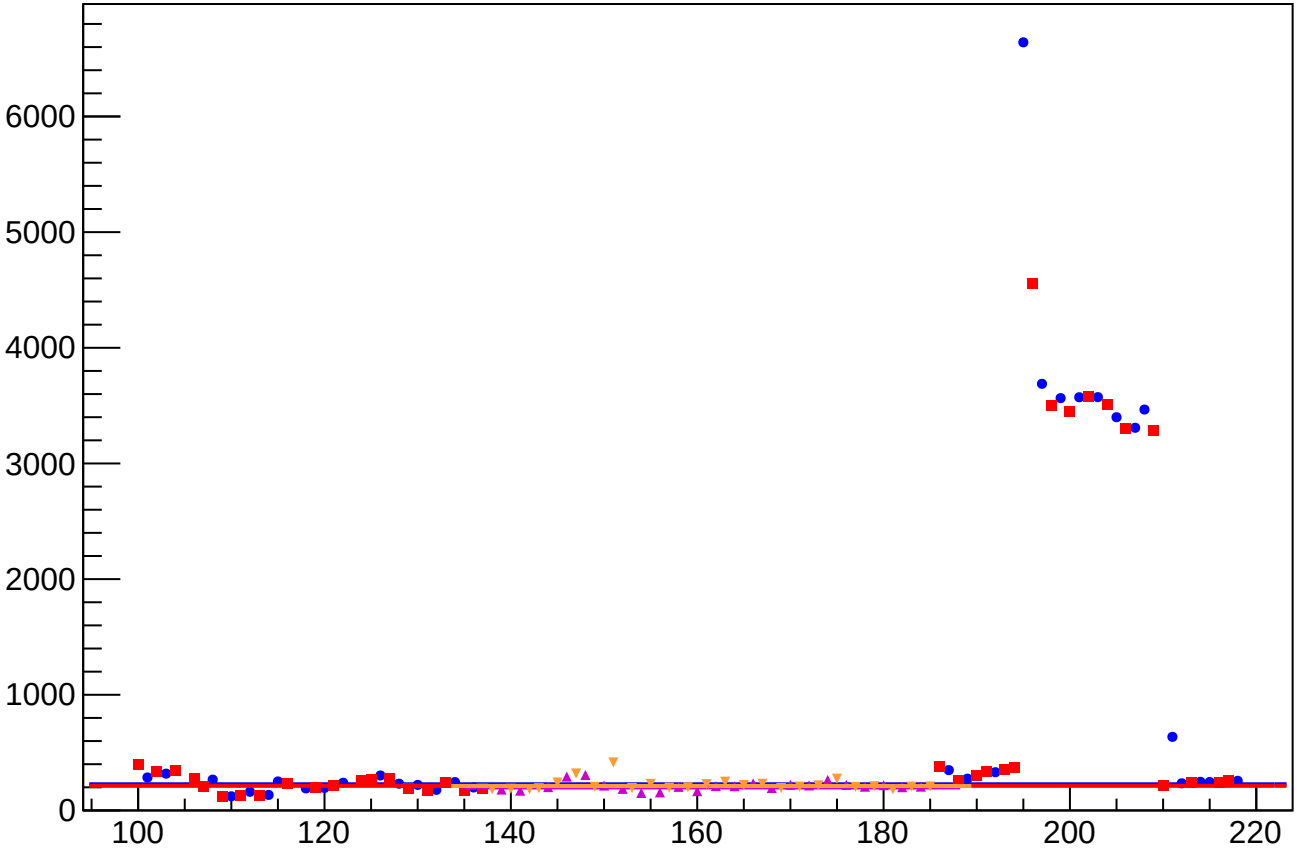
Right: 226.113+/-43.331 χ^2/NDF: 9833.5/67

In: -69.622+/-38.377 χ^2/NDF:3458.1/54

Out: 945.602+/-37.687 χ^2/NDF:9325.9/60

All: 447.196+/-26.889 χ^2/NDF: 13140.2/115

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: 212.850+/-0.041 χ^2/NDF: 13500403.3/35

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

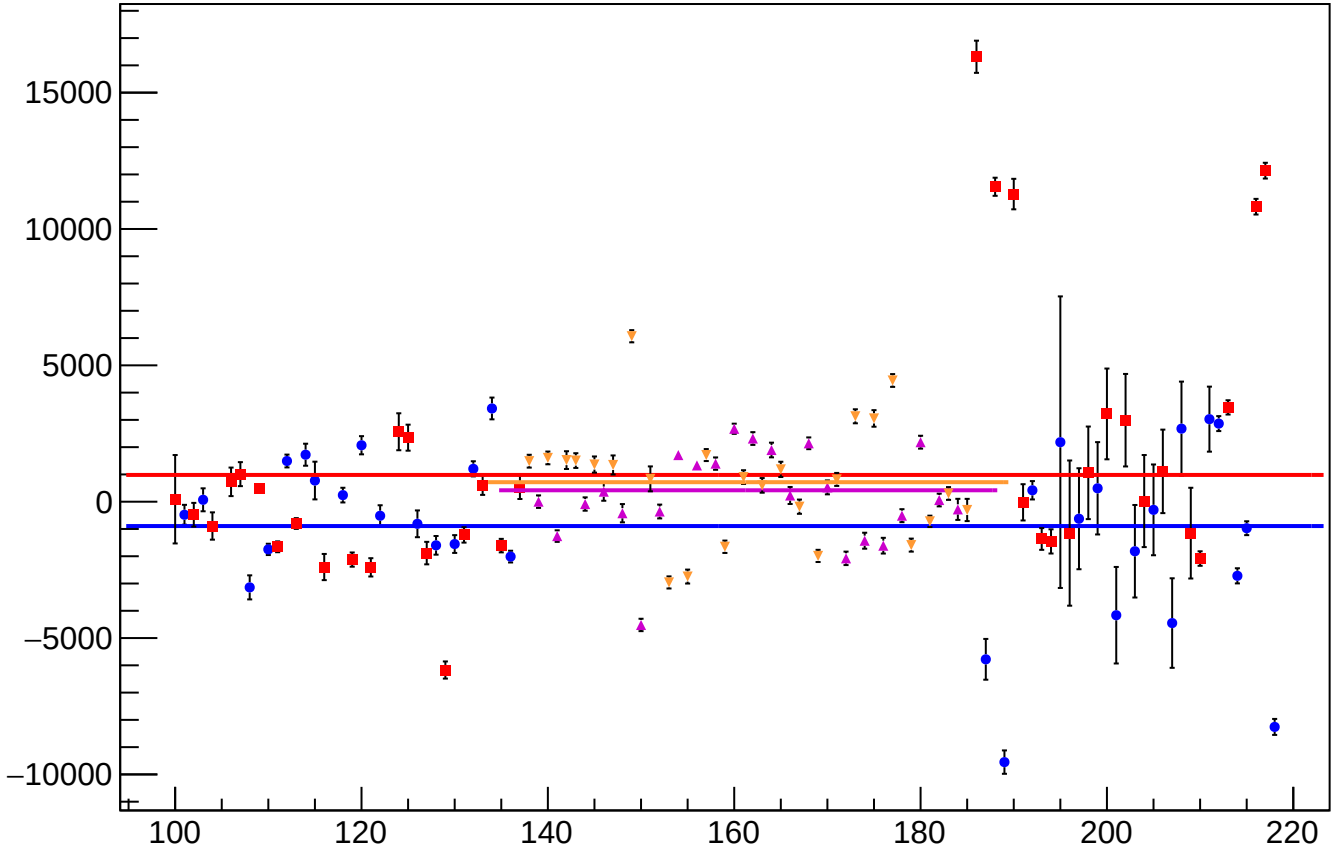
Right: 218.977+/-0.031 χ^2/NDF: 27333308.0/67

In: 208.429+/-0.027 χ^2/NDF:15032311.4/54

Out: 212.055+/-0.027 χ^2/NDF:14436008.0/60

All: 210.275+/-0.019 χ^2/NDF: 29477408.8/11

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: 981.532+/-60.211 χ^2/NDF: 6323.9/35

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

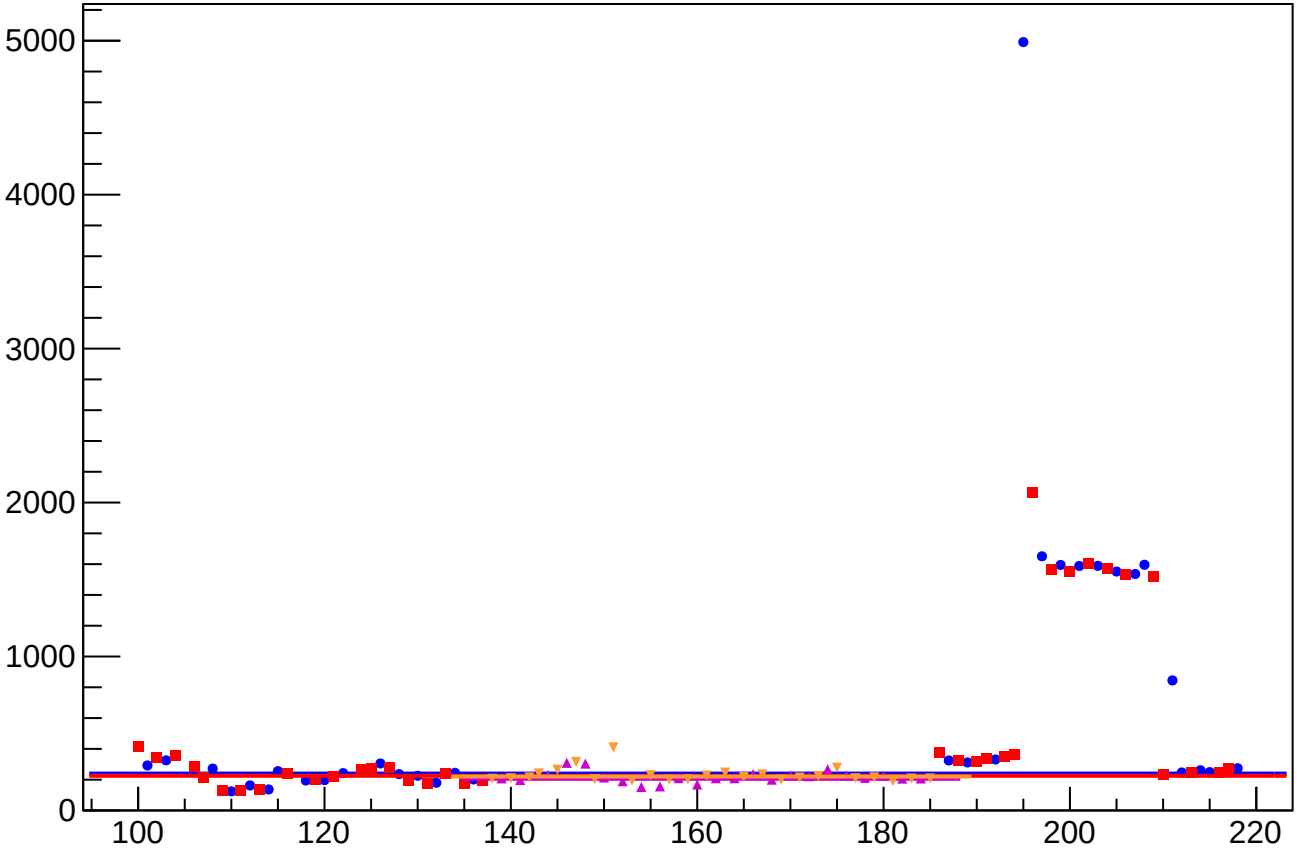
Right: 123.493+/-44.337 χ^2/NDF: 8626.5/67

In: -58.145+/-39.510 χ^2/NDF:3354.9/54

Out: 826.993+/-38.965 χ^2/NDF:8253.2/60

All: 390.570+/-27.743 χ^2/NDF: 11862.5/115

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: 225.097+/-0.043 χ^2/NDF: 11681948.4/35

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

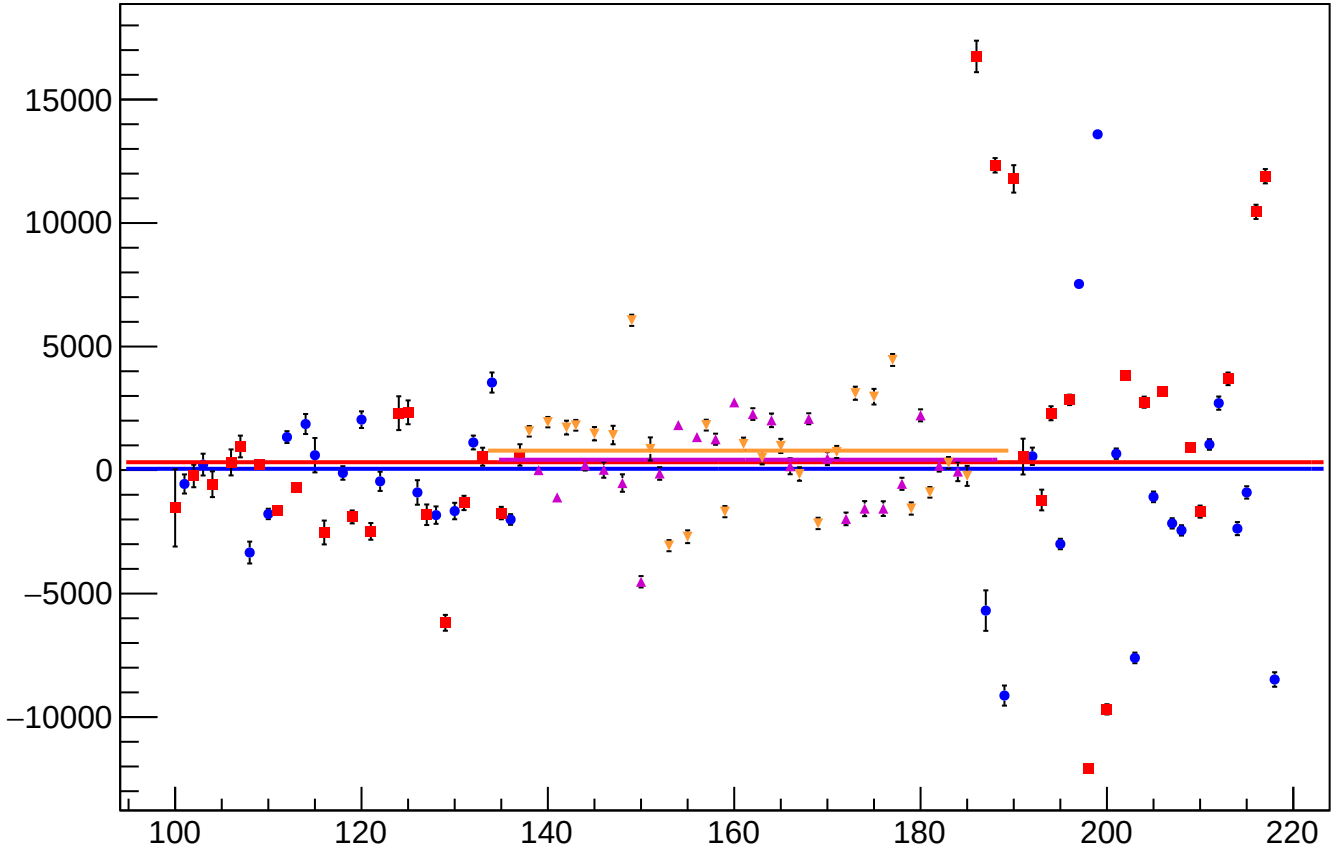
Right: 231.710+/-0.031 χ^2/NDF: 24085599.7/67

In: 217.863+/-0.028 χ^2/NDF:13708827.1/54

Out: 222.219+/-0.028 χ^2/NDF:12489511.8/60

All: 220.071+/-0.020 χ^2/NDF: 26210663.0/1

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 51.092+/-47.995 χ^2/NDF: 10191.6/31

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 317.691+/-47.450 χ^2/NDF: 13591.8/35

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

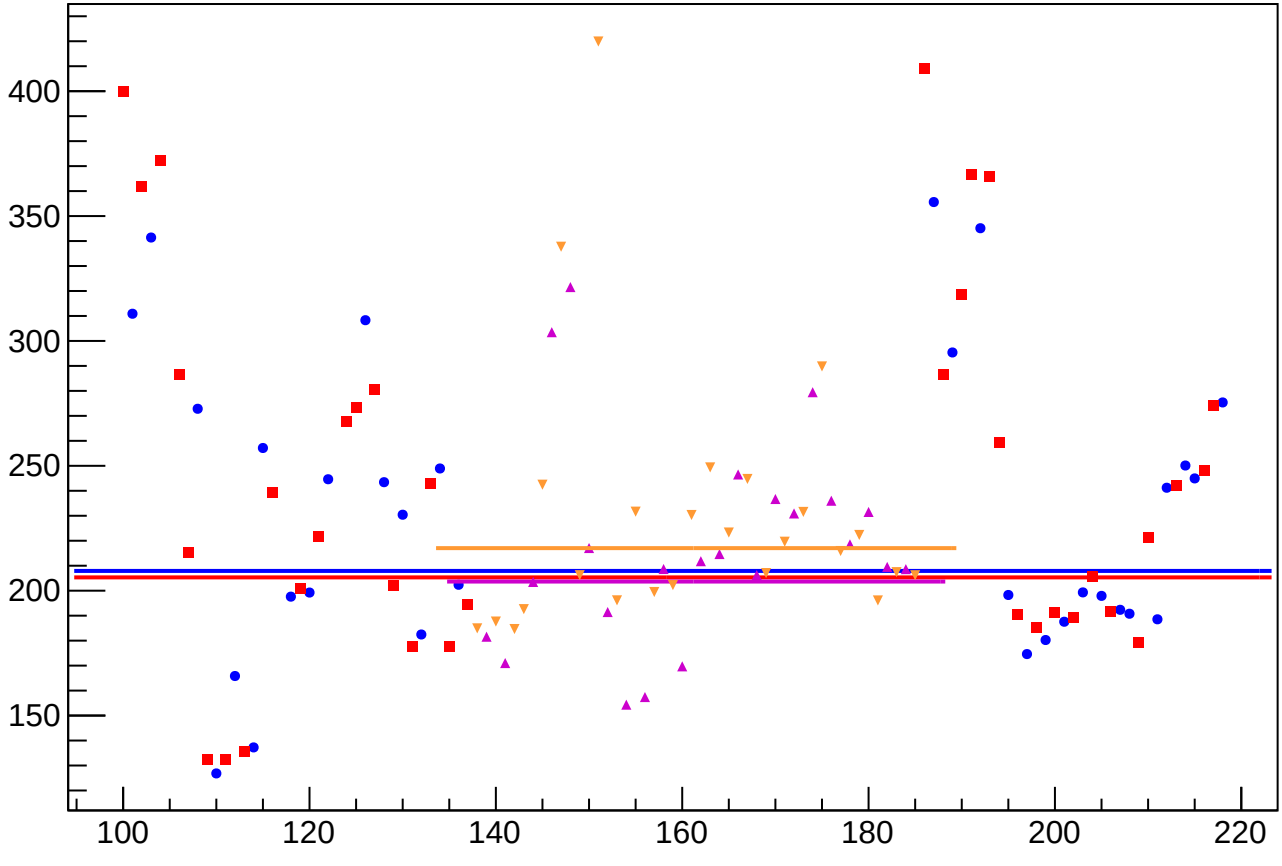
Right: 185.913+/-33.743 χ^2/NDF: 23799.0/67

In: 230.580+/-34.339 χ^2/NDF:11431.2/54

Out: 537.600+/-34.588 χ^2/NDF:15575.2/60

All: 382.982+/-24.369 χ^2/NDF: 27046.1/115

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: 205.323+/-0.034 χ^2/NDF: 2734443.3/35

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

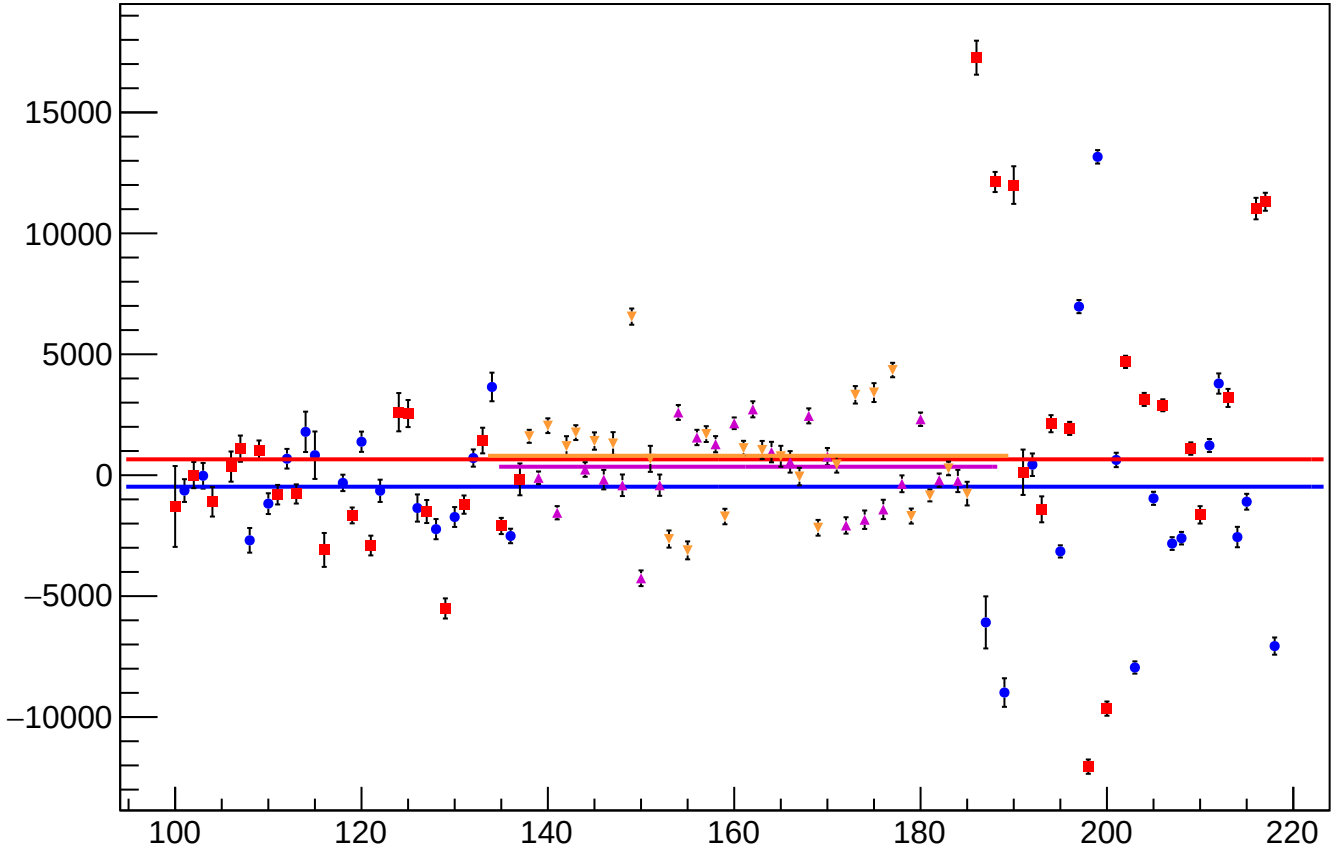
Right: 206.604+/-0.024 χ^2/NDF: 4567052.8/67

In: 205.838+/-0.024 χ^2/NDF:3002666.2/54

Out: 210.814+/-0.024 χ^2/NDF:3774765.9/60

All: 208.308+/-0.017 χ^2/NDF: 6798283.0/115

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: 656.381+/-65.601 χ^2/NDF: 7078.0/35

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

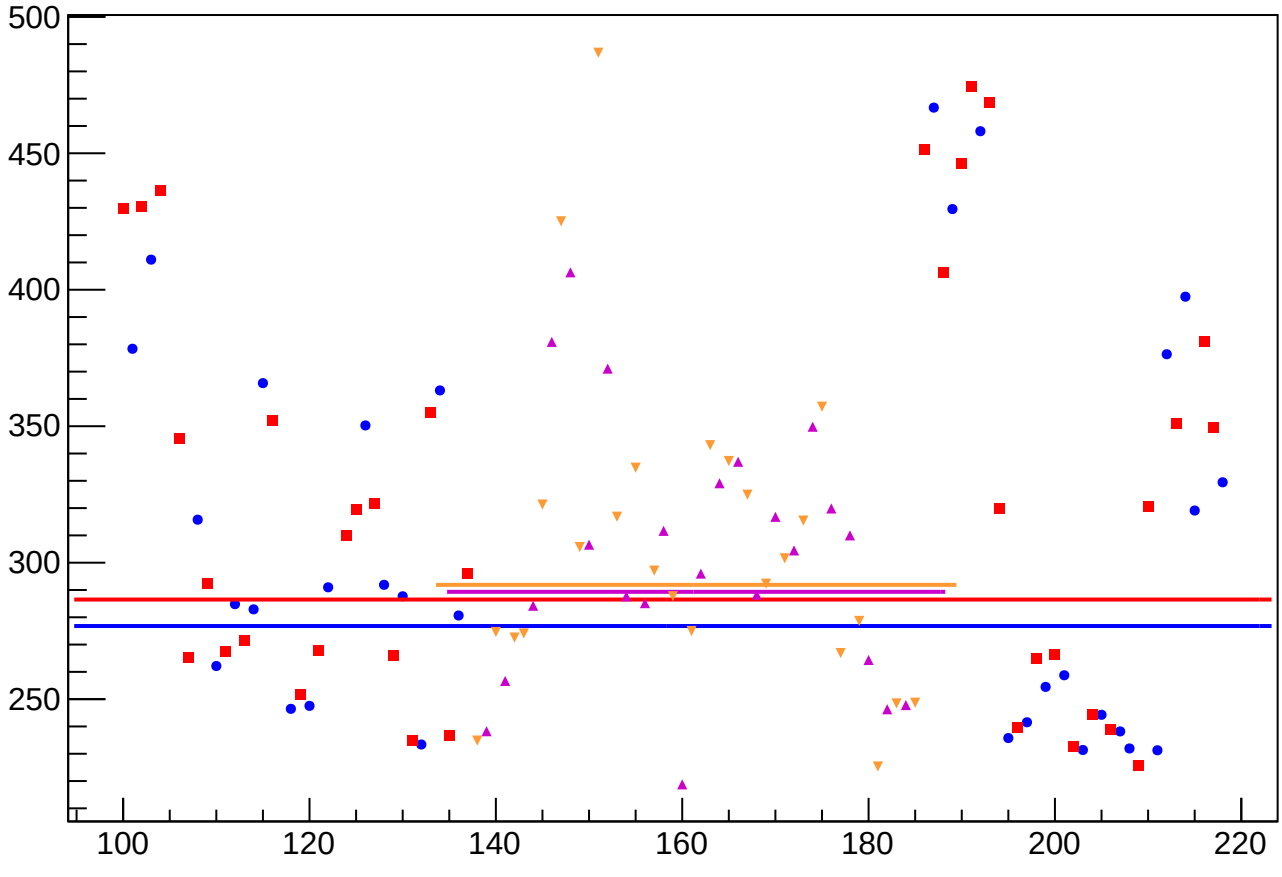
Right: 76.276+/-45.808 χ^2/NDF: 12465.5/67

In: -93.785+/-46.916 χ^2/NDF:5968.0/54

Out: 727.754+/-47.109 χ^2/NDF:8138.1/60

All: 315.297+/-33.243 χ^2/NDF: 14258.8/115

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: 286.500+/-0.046 χ^2/NDF: 1810225.3/35

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

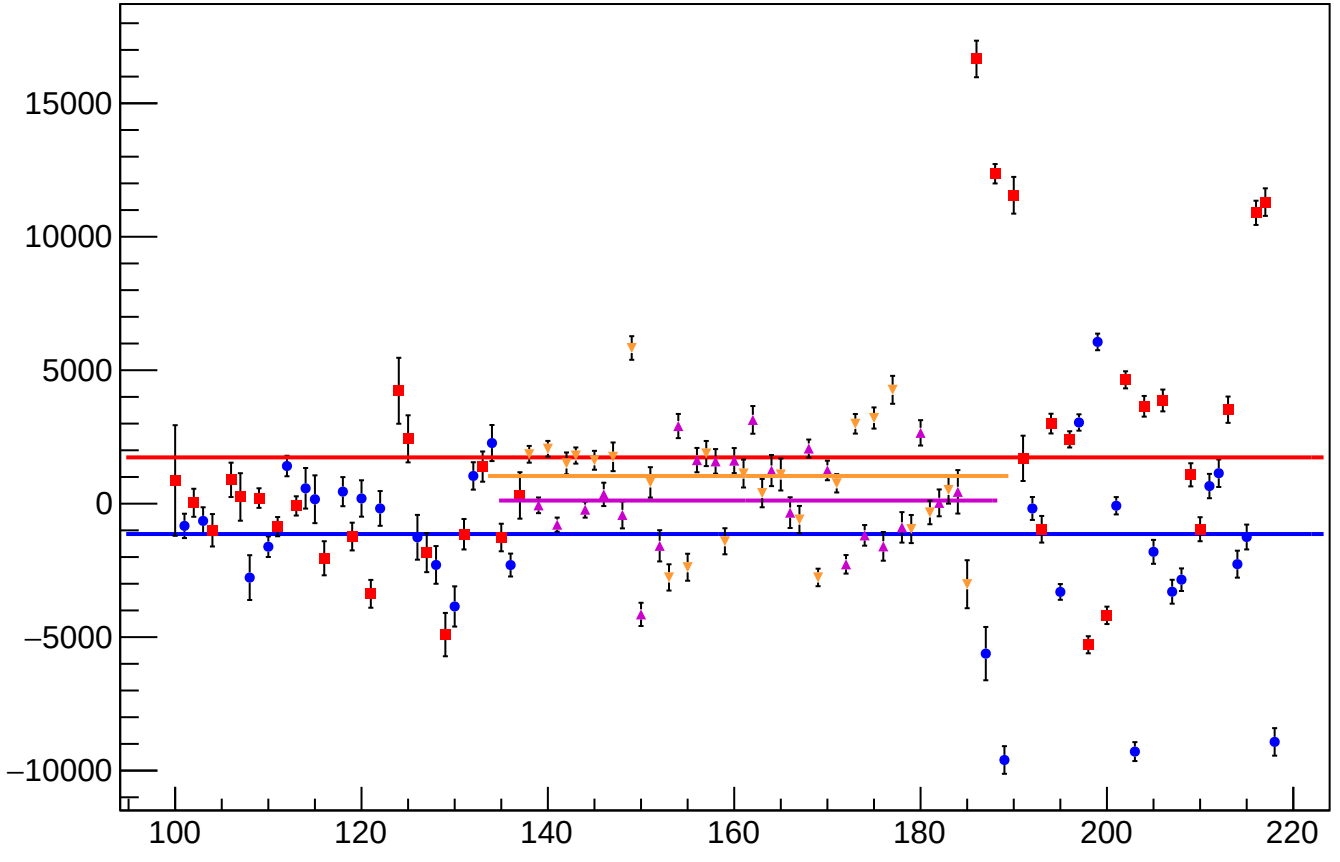
Right: 281.527+/-0.032 χ^2/NDF: 3436010.7/67

In: 282.588+/-0.033 χ^2/NDF:2447401.5/54

Out: 289.107+/-0.033 χ^2/NDF:2776664.0/60

All: 285.834+/-0.024 χ^2/NDF: 5243293.4/115

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: 1734.318+/-79.209 χ^2/NDF: 3774.9/35

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

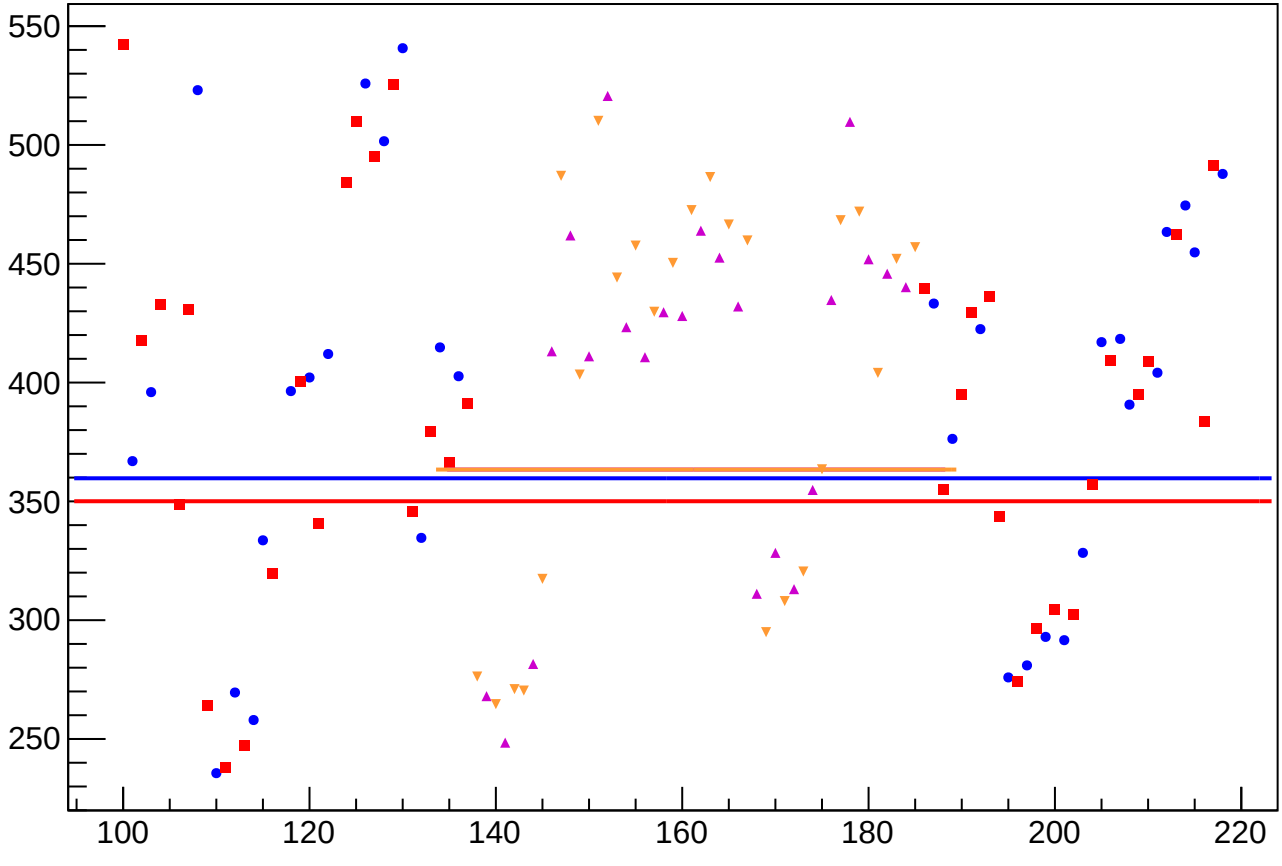
Right: 353.899+/-57.082 χ^2/NDF: 6465.1/67

In: -548.056+/-59.950 χ^2/NDF:2537.9/54

Out: 1411.191+/-58.012 χ^2/NDF:4380.9/60

All: 463.750+/-41.689 χ^2/NDF: 7470.4/115

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: 350.057+/-0.056 χ^2/NDF: 1614461.0/35

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

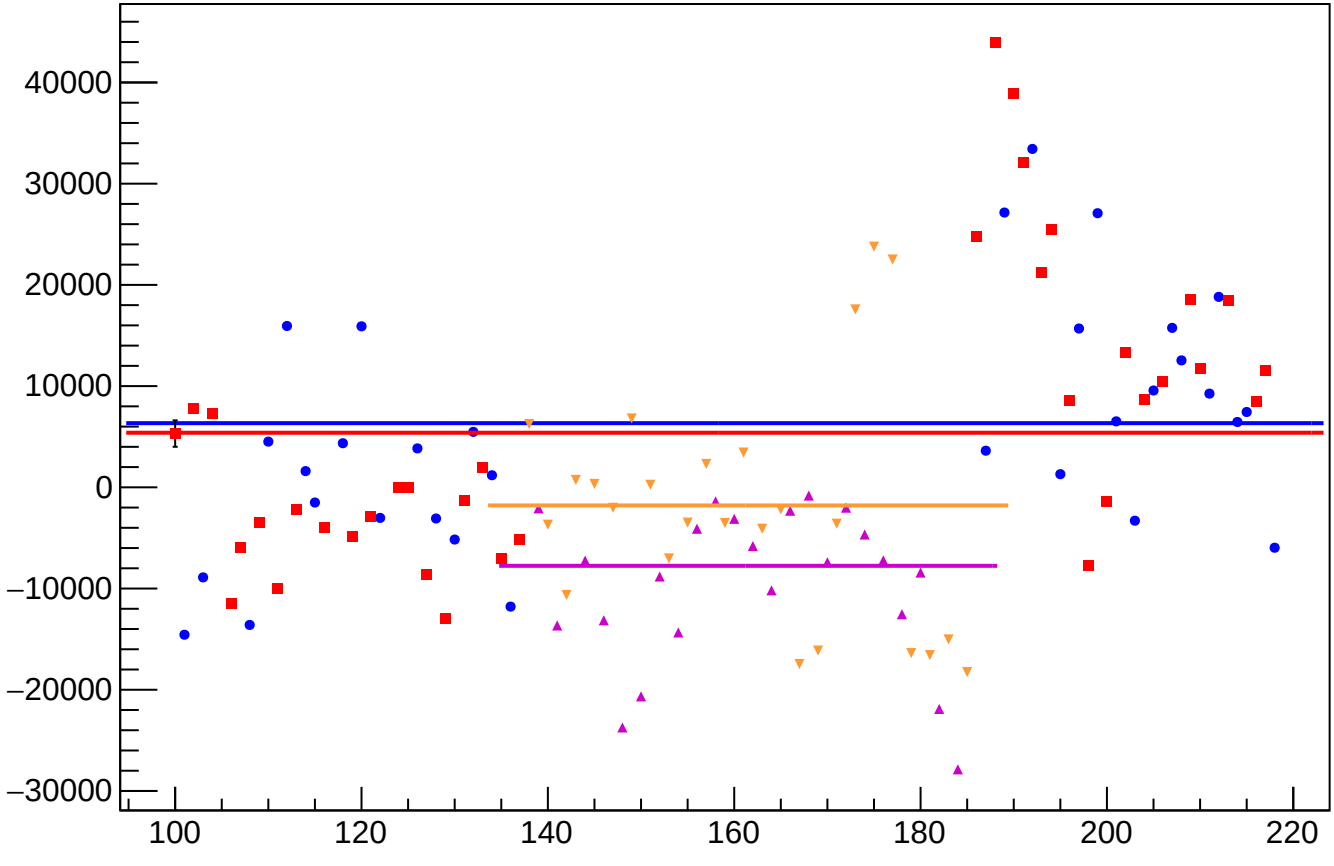
Right: 354.699+/-0.040 χ^2/NDF: 3443794.6/67

In: 361.440+/-0.042 χ^2/NDF:3528505.8/54

Out: 356.237+/-0.041 χ^2/NDF:3581220.2/60

All: 358.753+/-0.029 χ^2/NDF: 7117507.5/115

asym_bpm0i02WS_mean vs Slug, Sign Corrected



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: 5393.881+/-36.880 χ^2/NDF: 147782.5/35

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

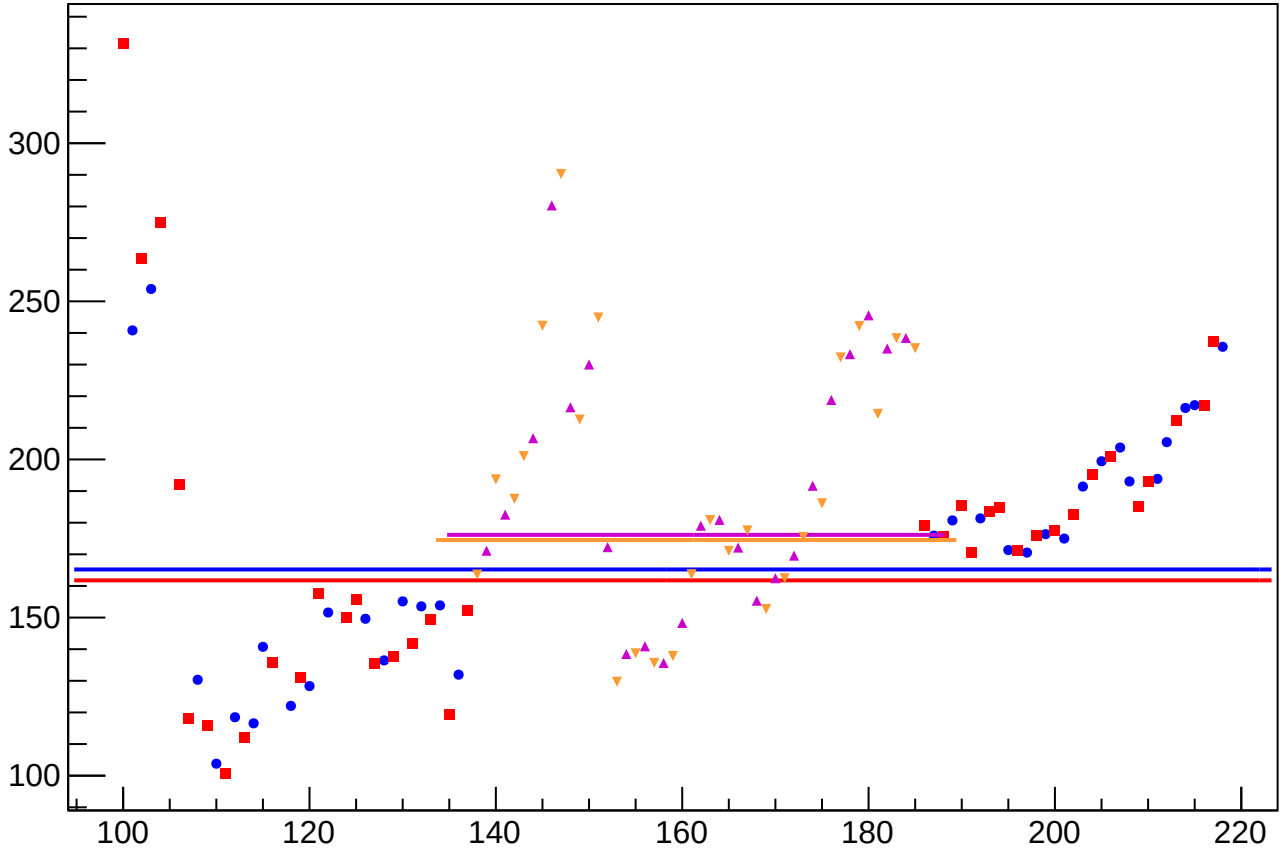
Right: 5851.642+/-26.485 χ^2/NDF: 247212.7/67

In: 78.616+/-28.373 χ^2/NDF:183305.1/54

Out: 2172.940+/-27.393 χ^2/NDF:230540.8/60

All: 1162.597+/-19.707 χ^2/NDF: 416665.9/11

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: 161.760+/-0.026 χ^2/NDF: 2117564.2/35

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

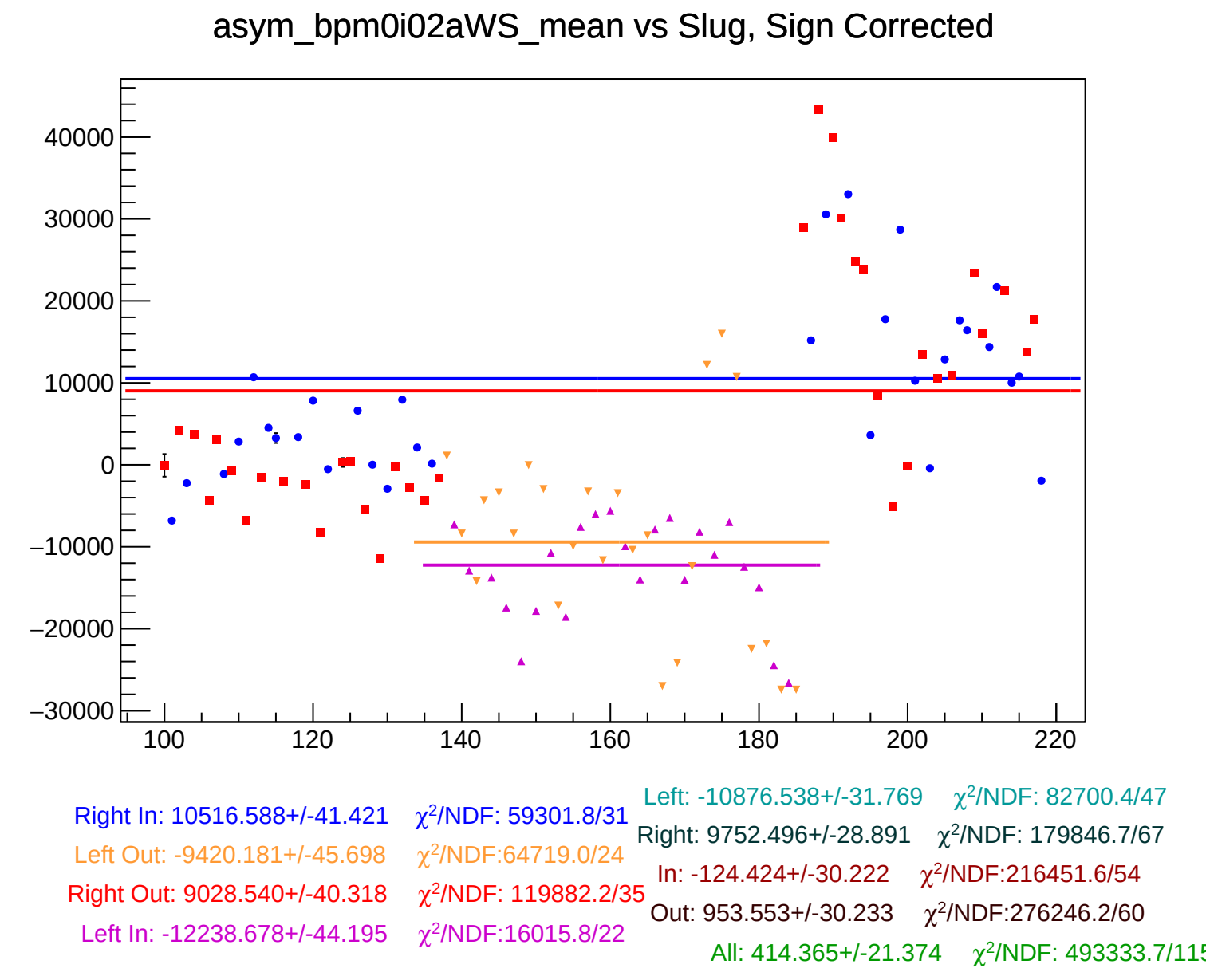
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 163.431+/-0.019 χ^2/NDF: 3944022.3/67

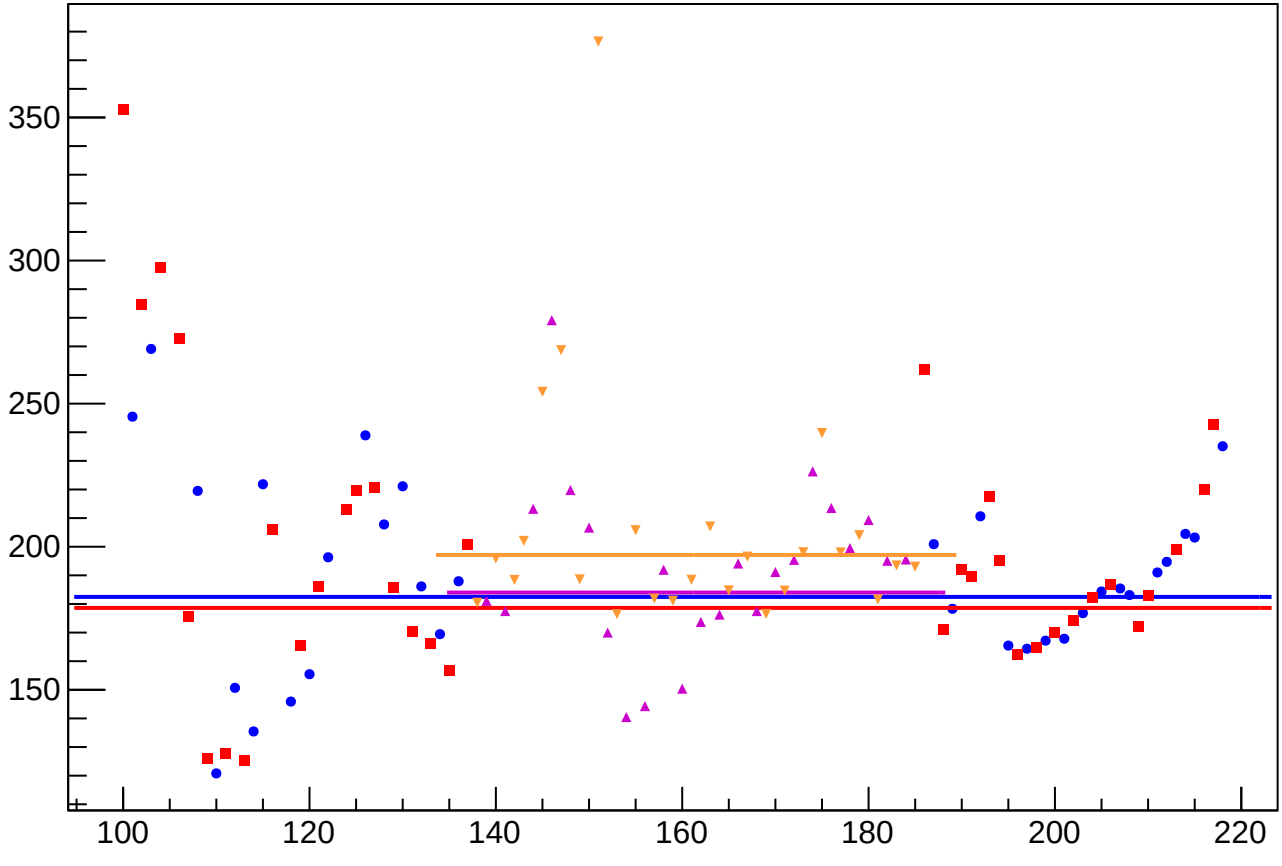
In: 170.072+/-0.020 χ^2/NDF:3258498.2/54

Out: 167.481+/-0.019 χ^2/NDF:3884374.4/60

All: 168.731+/-0.014 χ^2/NDF: 7151504.5/115


asym_bpm0i02aWS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 10516.588+/-41.421 χ²/NDF: 59301.8/31
Left Out: -9420.181+/-45.698 χ²/NDF:64719.0/24
Right Out: 9028.540+/-40.318 χ²/NDF: 119882.2/35
Left In: -12238.678+/-44.195 χ²/NDF:16015.8/22
Left: -10876.538+/-31.769 χ²/NDF: 82700.4/47
Right: 9752.496+/-28.891 χ²/NDF: 179846.7/67
In: -124.424+/-30.222 χ²/NDF:216451.6/54
Out: 953.553+/-30.233 χ²/NDF:276246.2/60
All: 414.365+/-21.374 χ²/NDF: 493333.7/115

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: 178.623+/-0.029 χ^2/NDF: 1419329.2/35

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

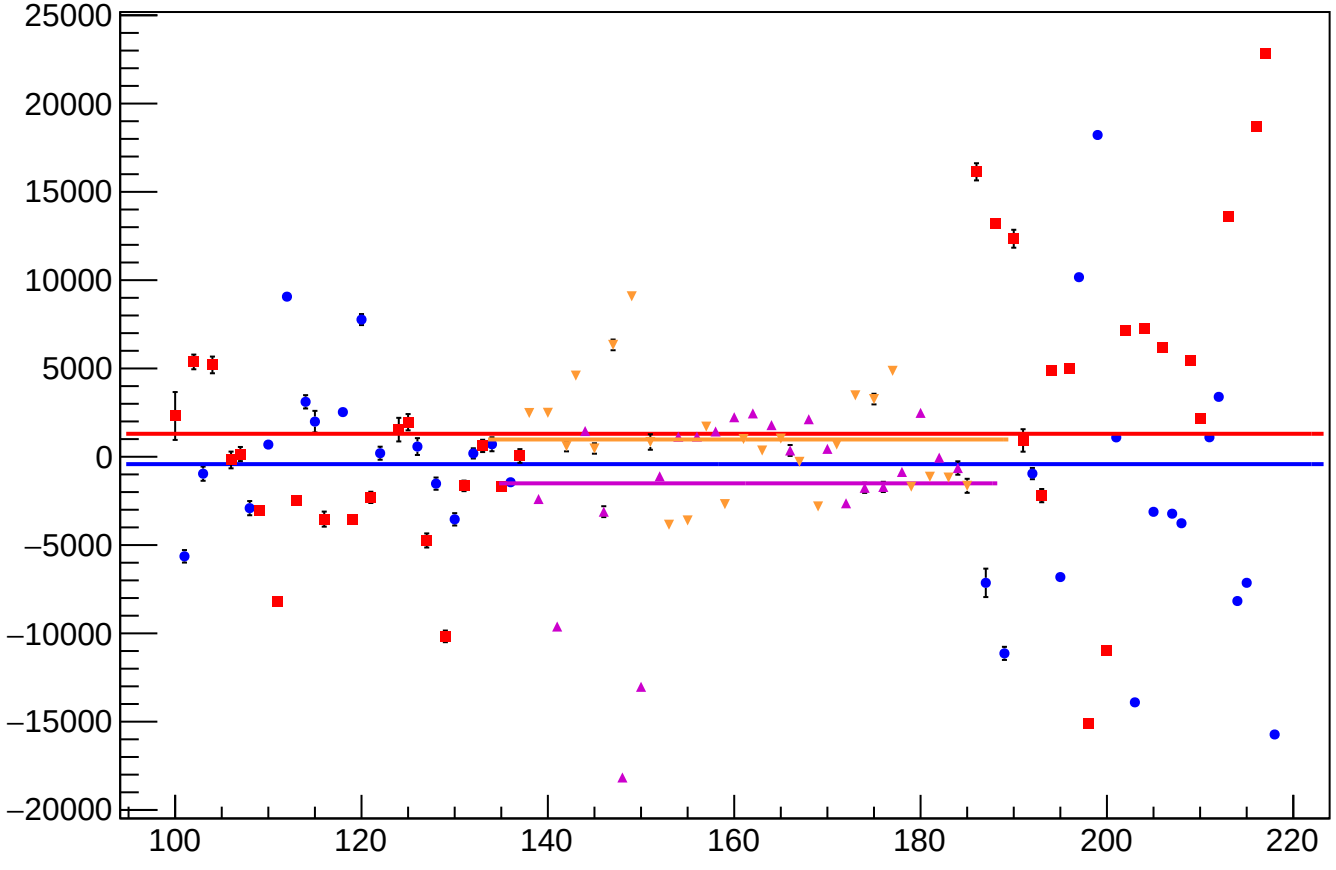
Right: 180.490+/-0.020 χ^2/NDF: 2352529.0/67

In: 183.174+/-0.021 χ^2/NDF:1755427.3/54

Out: 186.720+/-0.021 χ^2/NDF:2336159.9/60

All: 184.946+/-0.015 χ^2/NDF: 4105350.7/115

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: 1300.827+/-45.310 χ^2/NDF: 35397.5/35

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

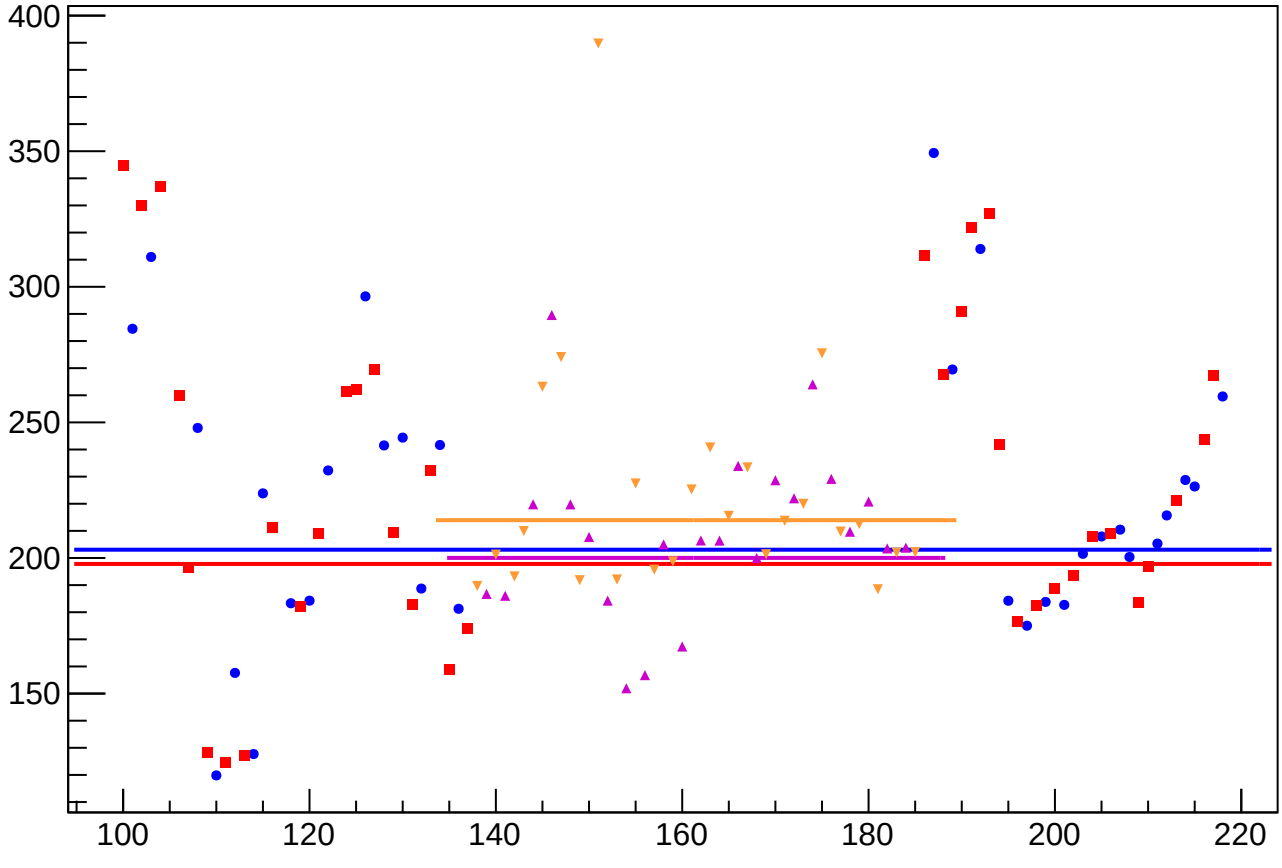
Right: 463.309+/-32.440 χ^2/NDF: 63084.0/67

In: -943.036+/-33.402 χ^2/NDF:38730.9/54

Out: 1154.193+/-33.455 χ^2/NDF:39743.4/60

All: 103.922+/-23.638 χ^2/NDF: 80442.3/115

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: 197.800+/-0.032 χ^2/NDF: 2469069.9/35

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

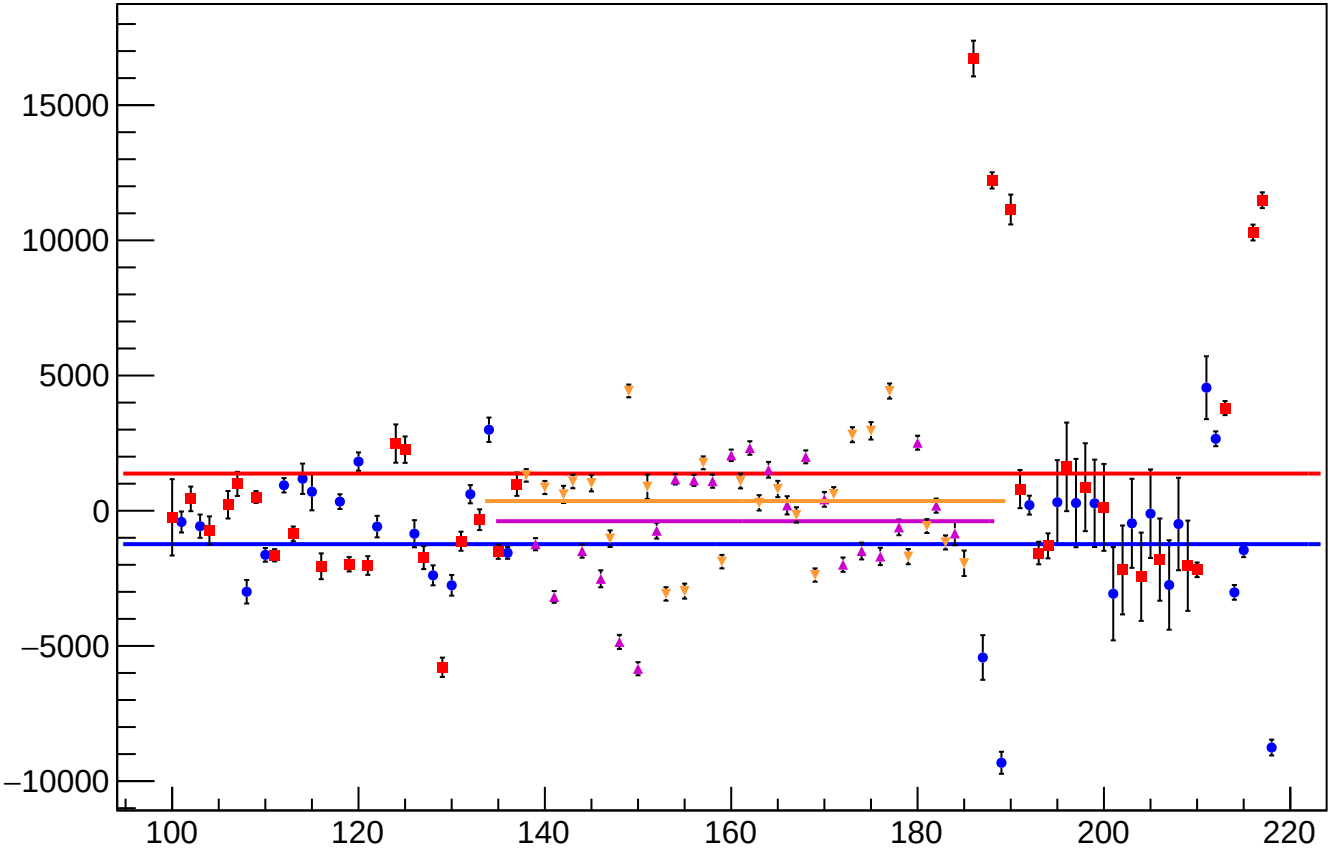
Right: 200.362+/-0.023 χ^2/NDF: 4083234.0/67

In: 201.594+/-0.024 χ^2/NDF:2390671.5/54

Out: 205.137+/-0.024 χ^2/NDF:3317998.2/60

All: 203.363+/-0.017 χ^2/NDF: 5719903.0/115

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: 1374.849+/-65.072 χ^2/NDF: 5891.5/35

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

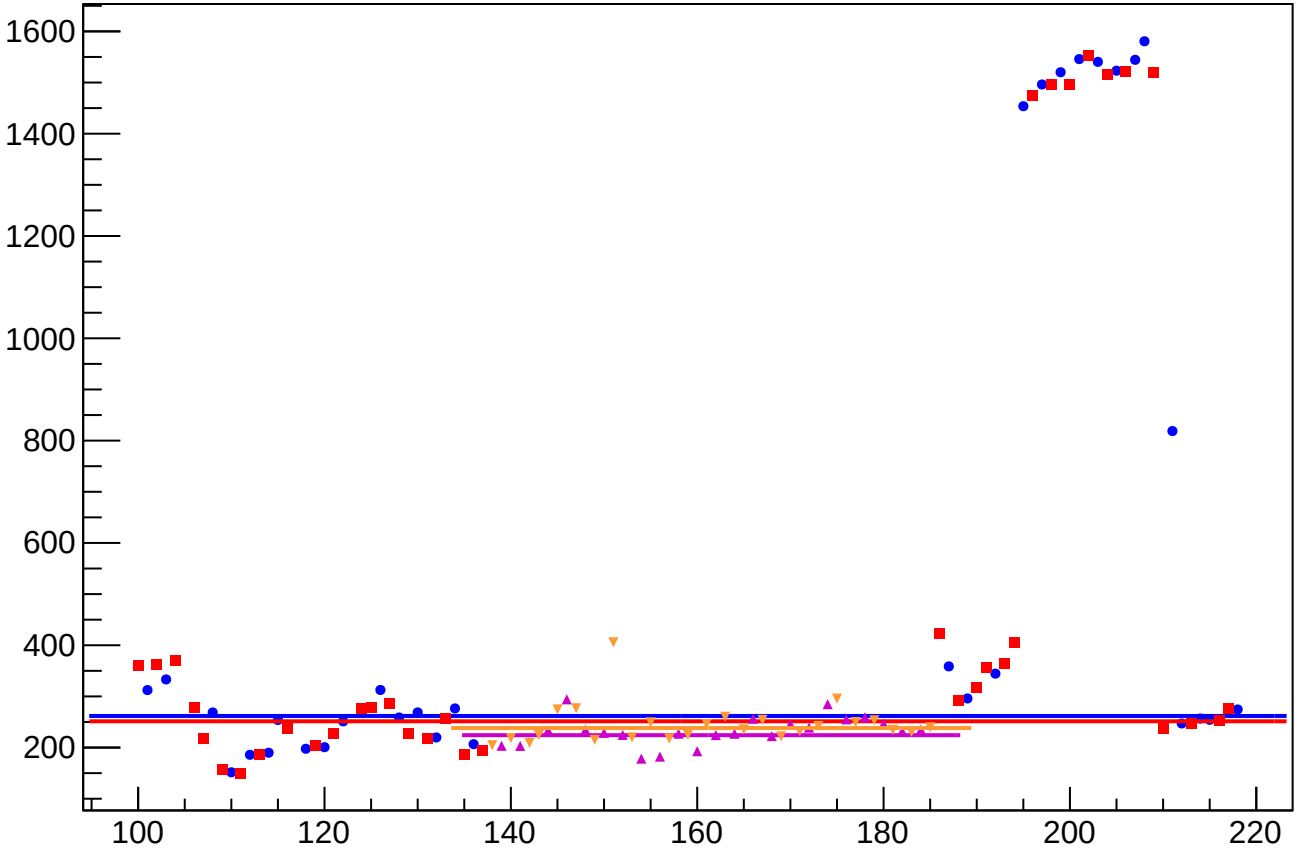
Right: 159.808+/-47.574 χ^2/NDF: 8393.0/67

In: -701.553+/-42.460 χ^2/NDF:3649.8/54

Out: 782.048+/-42.002 χ^2/NDF:7452.6/60

All: 48.302+/-29.861 χ^2/NDF: 11719.5/115

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: 251.365+/-0.046 χ^2/NDF: 10545575.5/35

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

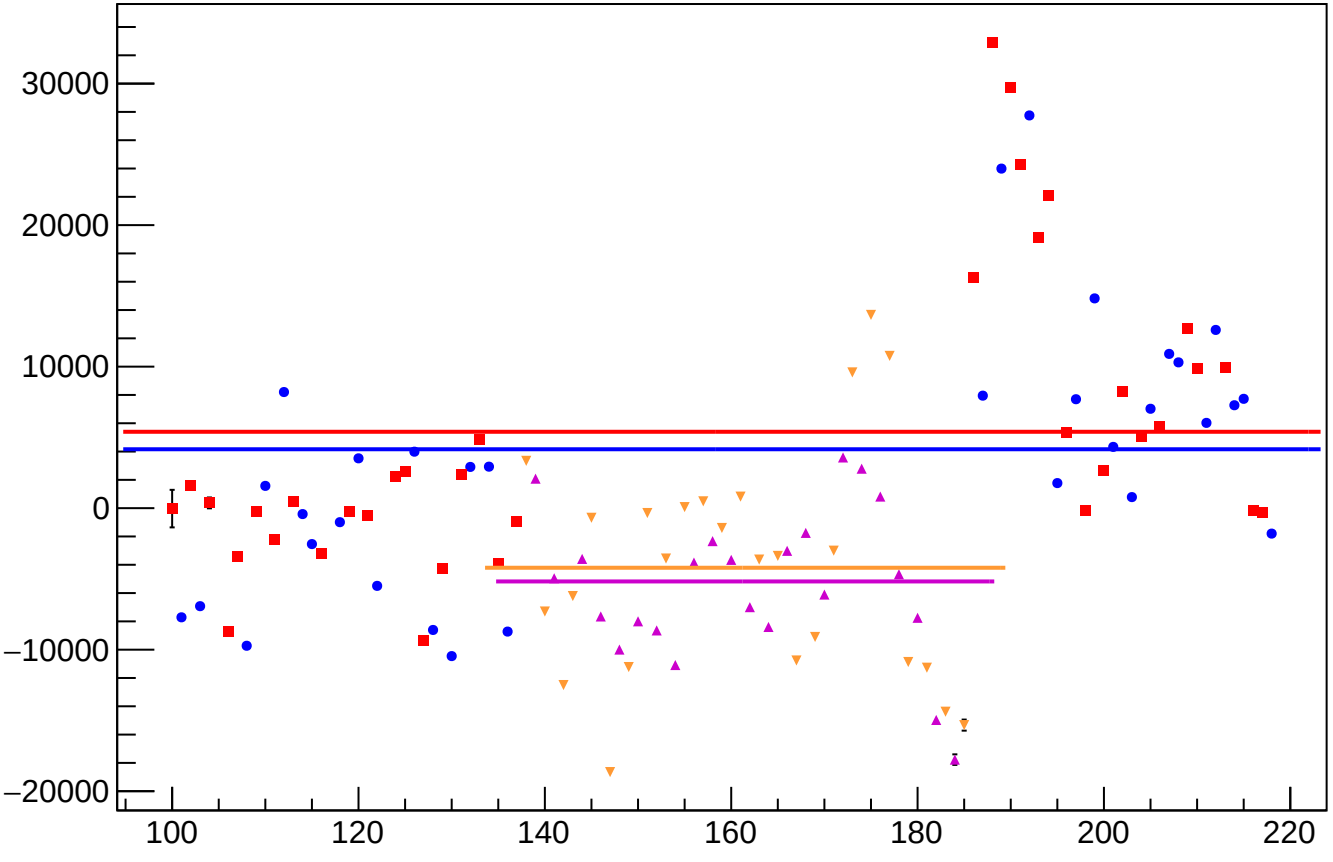
Right: 256.223+/-0.034 χ^2/NDF: 21634594.5/67

In: 238.149+/-0.030 χ^2/NDF:11993988.3/54

Out: 243.685+/-0.030 χ^2/NDF:11161275.6/60

All: 240.947+/-0.021 χ^2/NDF: 23172443.9/11

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: 5397.716+/-31.158 χ^2/NDF: 107251.7/35

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

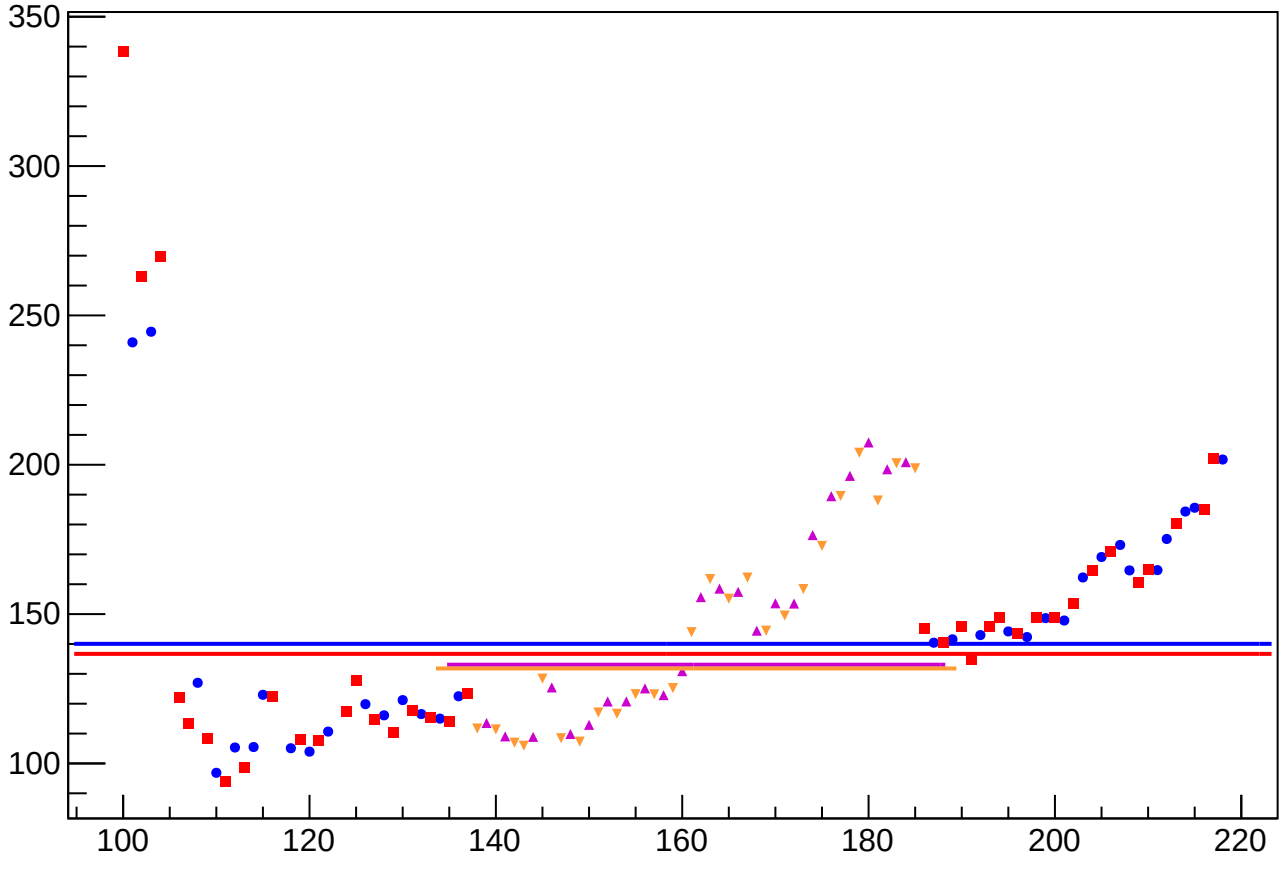
Right: 4802.750+/-22.434 χ^2/NDF: 190843.4/67

In: -560.289+/-22.732 χ^2/NDF:143579.0/54

Out: 542.525+/-21.914 χ^2/NDF:212108.2/60

All: 11.305+/-15.777 χ^2/NDF: 356907.1/115

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: 136.679+/-0.022 χ^2/NDF: 1985478.4/35

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

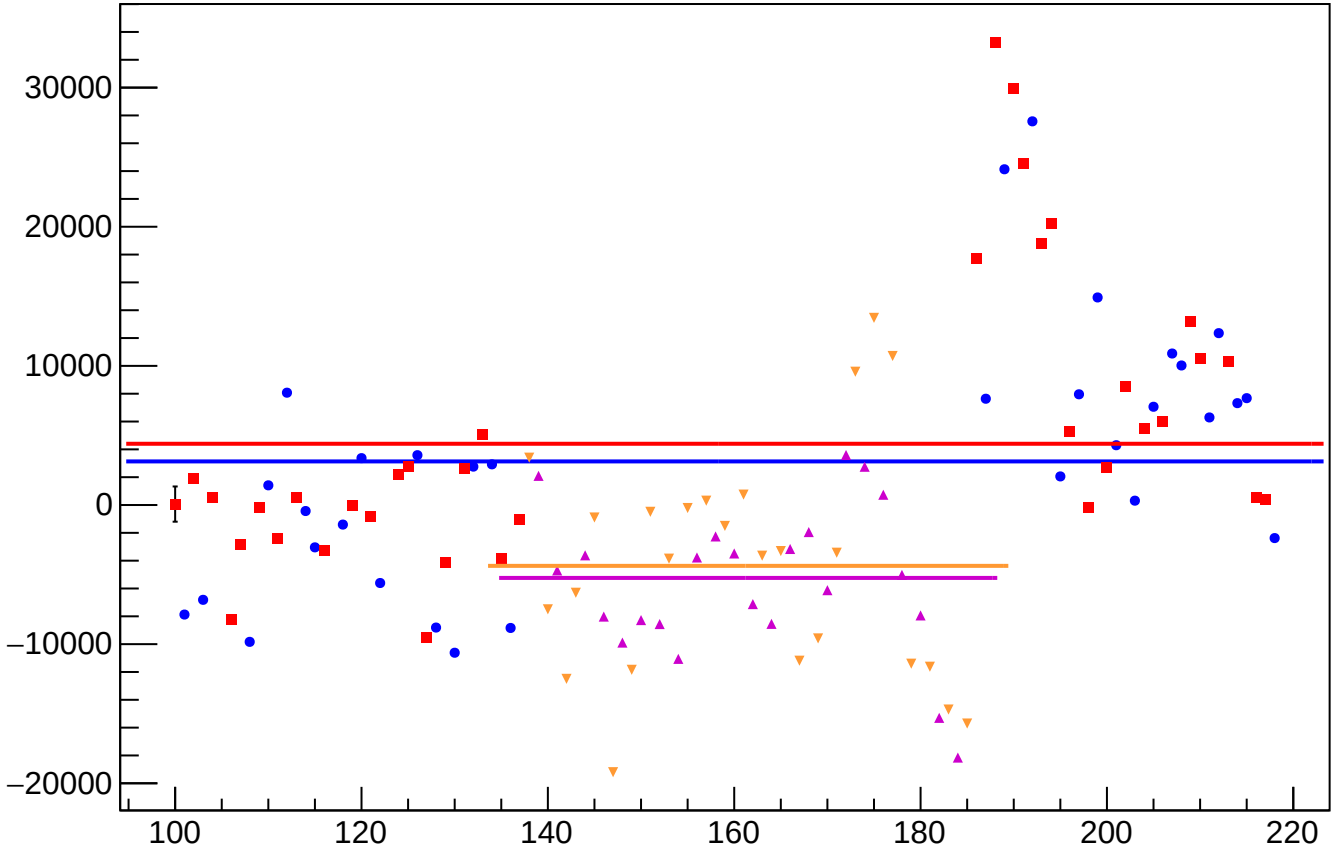
Right: 138.299+/-0.016 χ^2/NDF: 3831448.7/67

In: 136.513+/-0.016 χ^2/NDF:3300151.9/54

Out: 134.212+/-0.015 χ^2/NDF:3554628.3/60

All: 135.320+/-0.011 χ^2/NDF: 6865393.9/115

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: 4402.264+/-28.247 χ^2/NDF: 117027.3/35

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

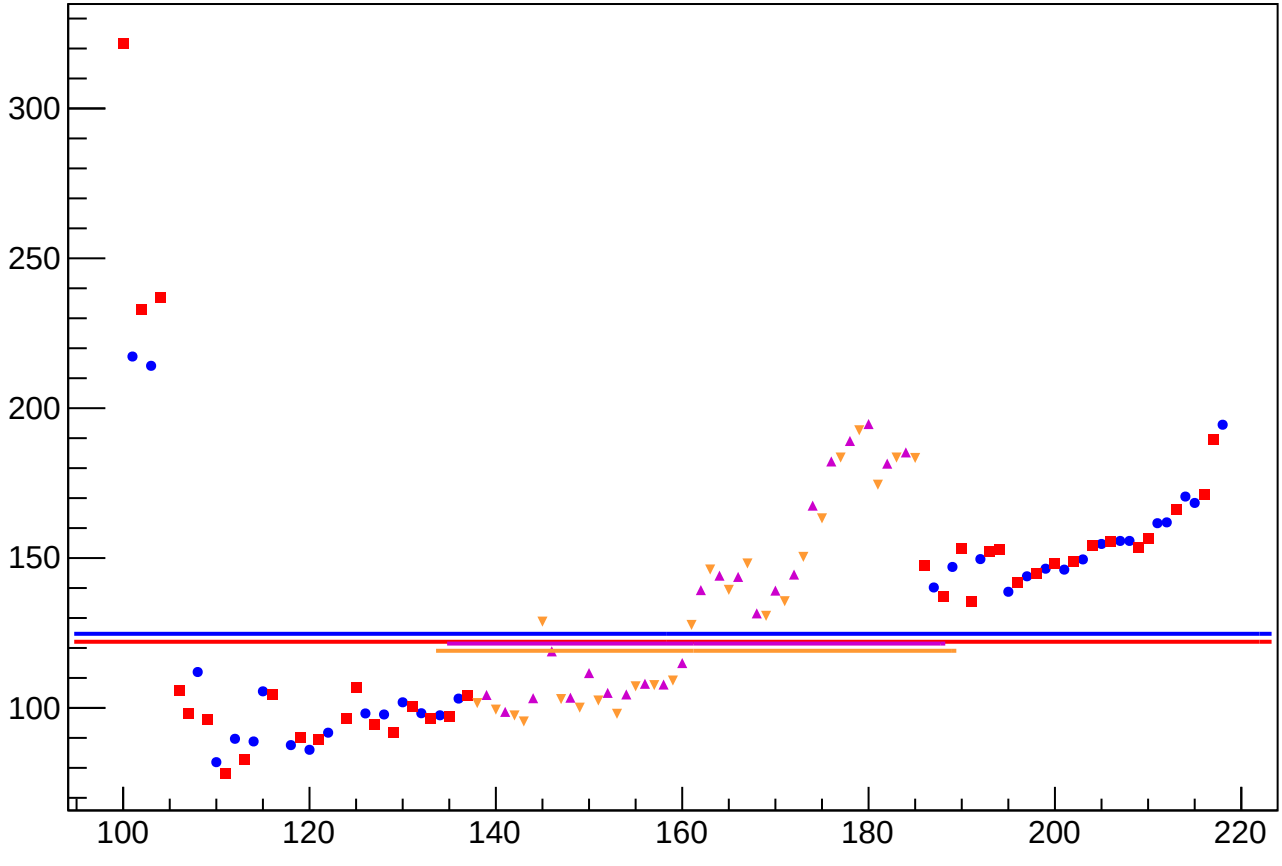
Right: 3788.715+/-20.297 χ^2/NDF: 211684.5/67

In: -1043.440+/-20.660 χ^2/NDF:157020.7/54

Out: -30.750+/-19.870 χ^2/NDF:232999.8/60

All: -517.346+/-14.321 χ^2/NDF: 391268.6/11

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: 122.073+/-0.020 χ^2/NDF: 2959085.4/35

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

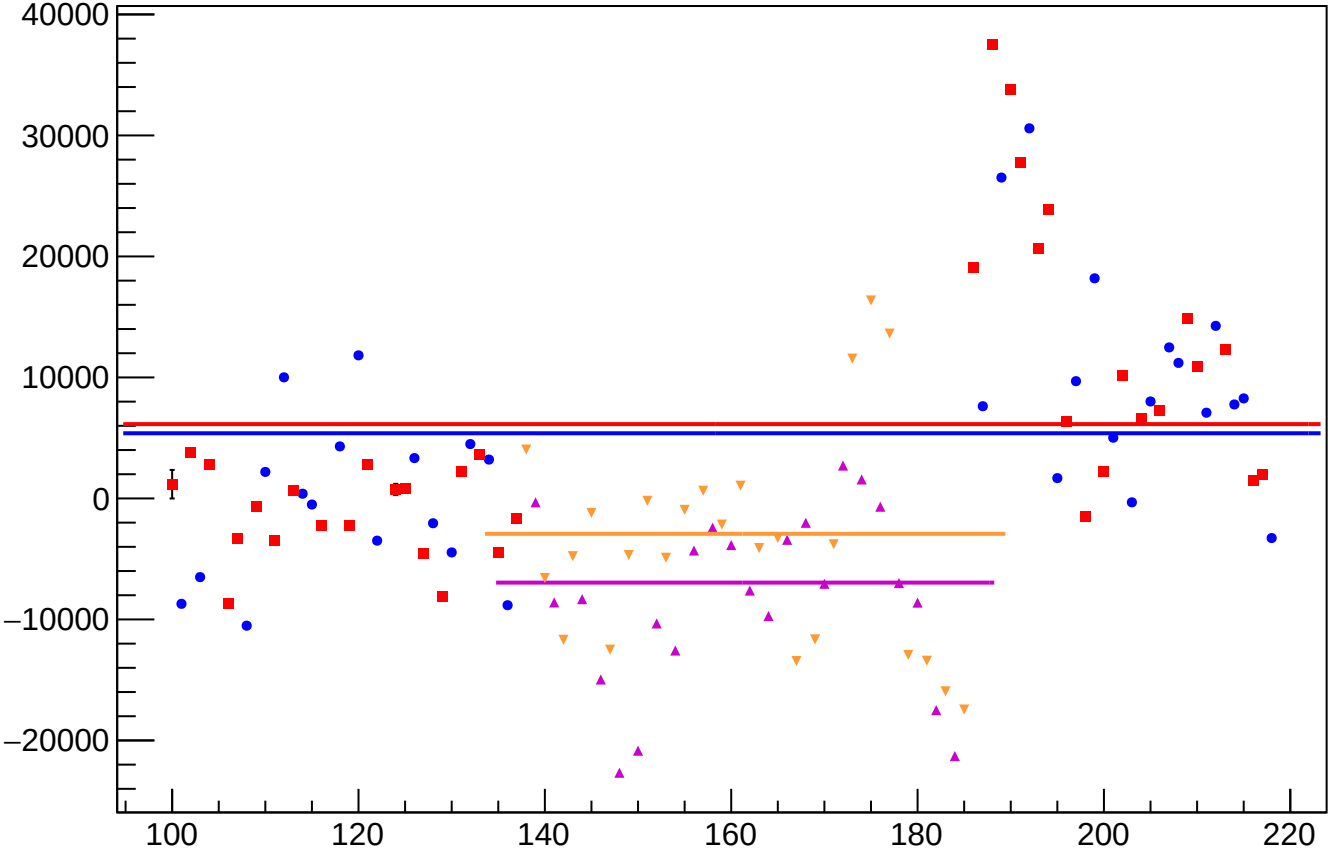
Right: 123.358+/-0.014 χ^2/NDF: 5670152.9/67

In: 123.103+/-0.015 χ^2/NDF:4244355.2/54

Out: 120.553+/-0.014 χ^2/NDF:4725979.6/60

All: 121.778+/-0.010 χ^2/NDF: 8986156.1/115

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 5385.682+/-38.174 χ^2/NDF: 66195.5/31

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 6142.165+/-37.031 χ^2/NDF: 96061.5/35

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

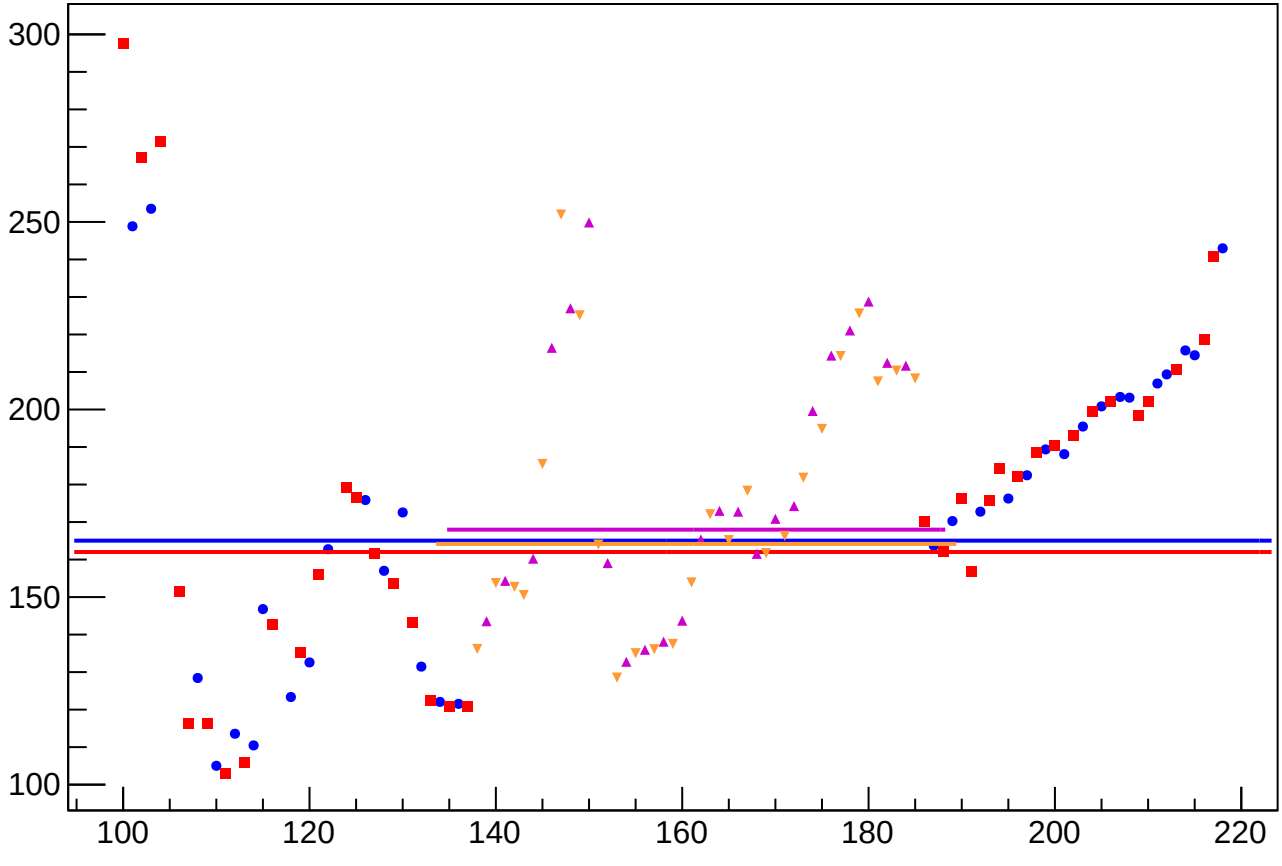
Right: 5775.424+/-26.580 χ^2/NDF: 162459.4/67

In: -459.931+/-27.696 χ^2/NDF:138044.3/54

Out: 1748.606+/-26.583 χ^2/NDF:163158.7/60

All: 689.607+/-19.179 χ^2/NDF: 304512.6/115

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: 162.016+/-0.026 χ^2/NDF: 2304470.3/35

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

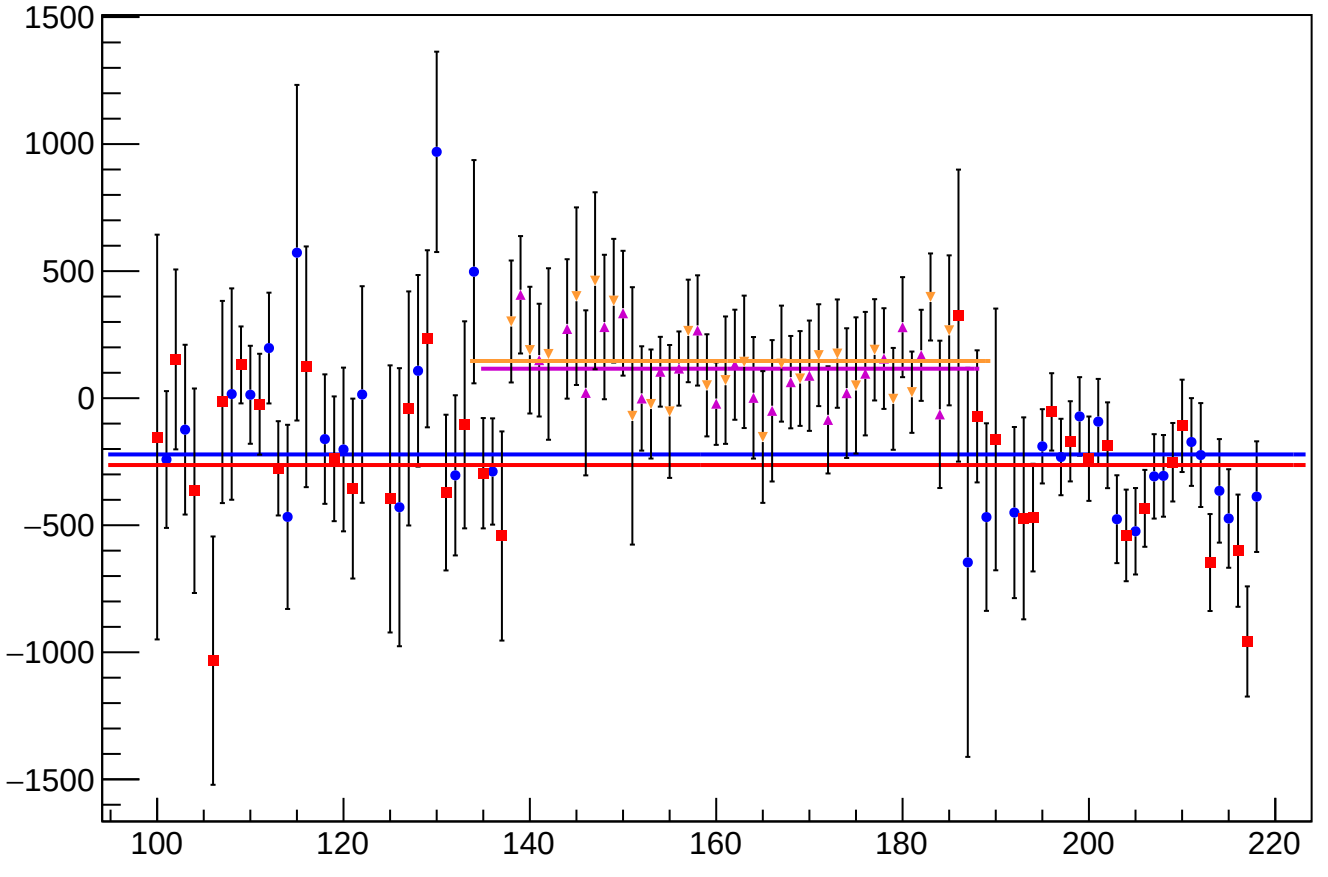
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 163.483+/-0.019 χ^2/NDF: 4499094.3/67

In: 166.431+/-0.020 χ^2/NDF:3416495.0/54

Out: 163.061+/-0.019 χ^2/NDF:3532161.4/60

All: 164.677+/-0.014 χ^2/NDF: 6964063.7/115



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: -263.072+/-39.701 χ^2/NDF: 42.7/33

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

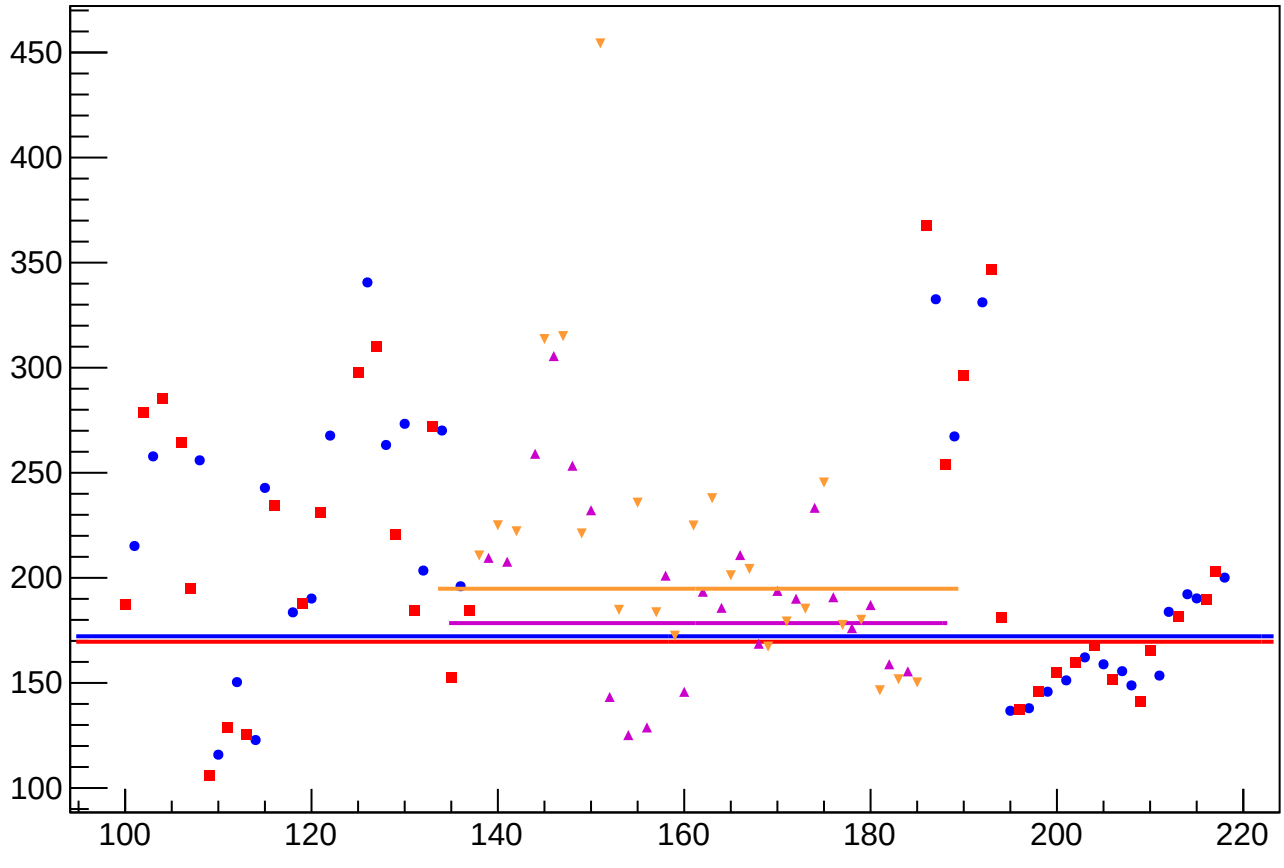
Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

Right: -242.305+/-28.121 χ^2/NDF: 75.5/65

In: -67.917+/-29.411 χ^2/NDF:72.5/54

Out: -92.283+/-30.310 χ^2/NDF:97.0/57

All: -79.734+/-21.107 χ^2/NDF: 169.9/112



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: 169.602+/-0.028 χ^2/NDF: 2891853.6/33

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

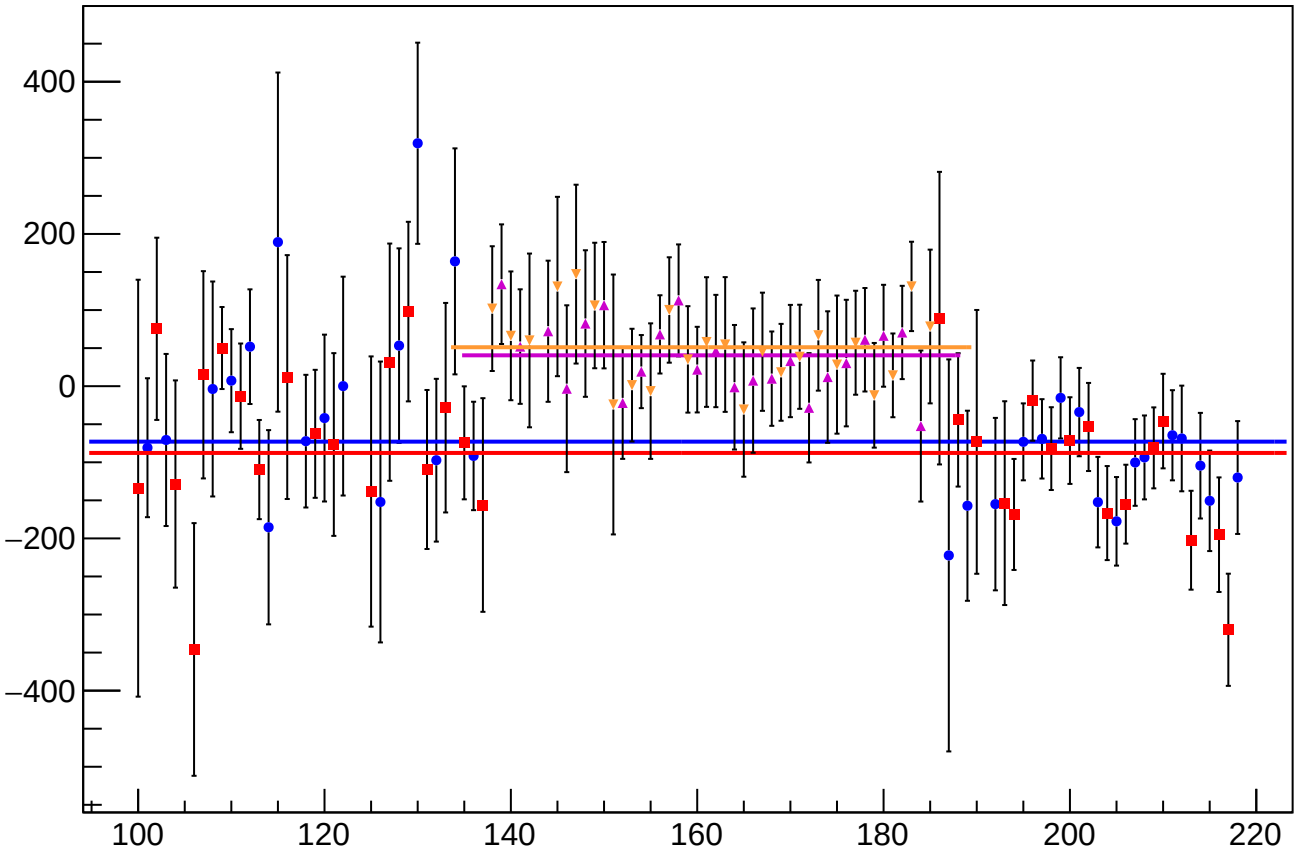
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 170.897+/-0.020 χ^2/NDF: 5260572.2/65

In: 175.055+/-0.021 χ^2/NDF:4063288.3/54

Out: 180.125+/-0.021 χ^2/NDF:4981171.8/57

All: 177.514+/-0.015 χ^2/NDF: 9073279.7/112



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: -87.708+/-13.644 χ^2/NDF: 40.5/33

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

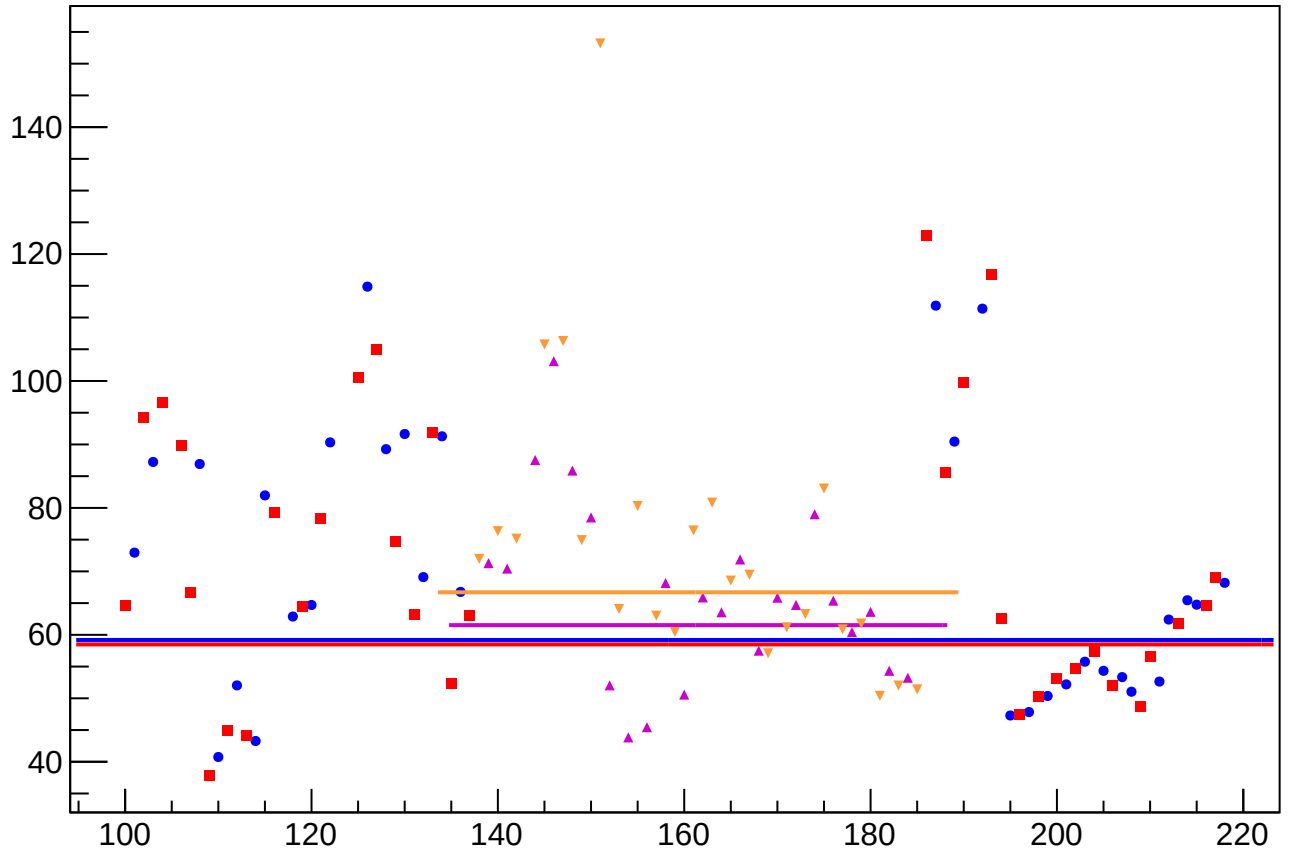
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -80.299+/-9.654 χ^2/NDF: 71.0/65

In: -21.366+/-10.093 χ^2/NDF:69.0/54

Out: -29.399+/-10.392 χ^2/NDF:92.1/57

All: -25.266+/-7.240 χ^2/NDF: 161.5/112



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: 58.490+/-0.010 χ^2/NDF: 2682998.2/33

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

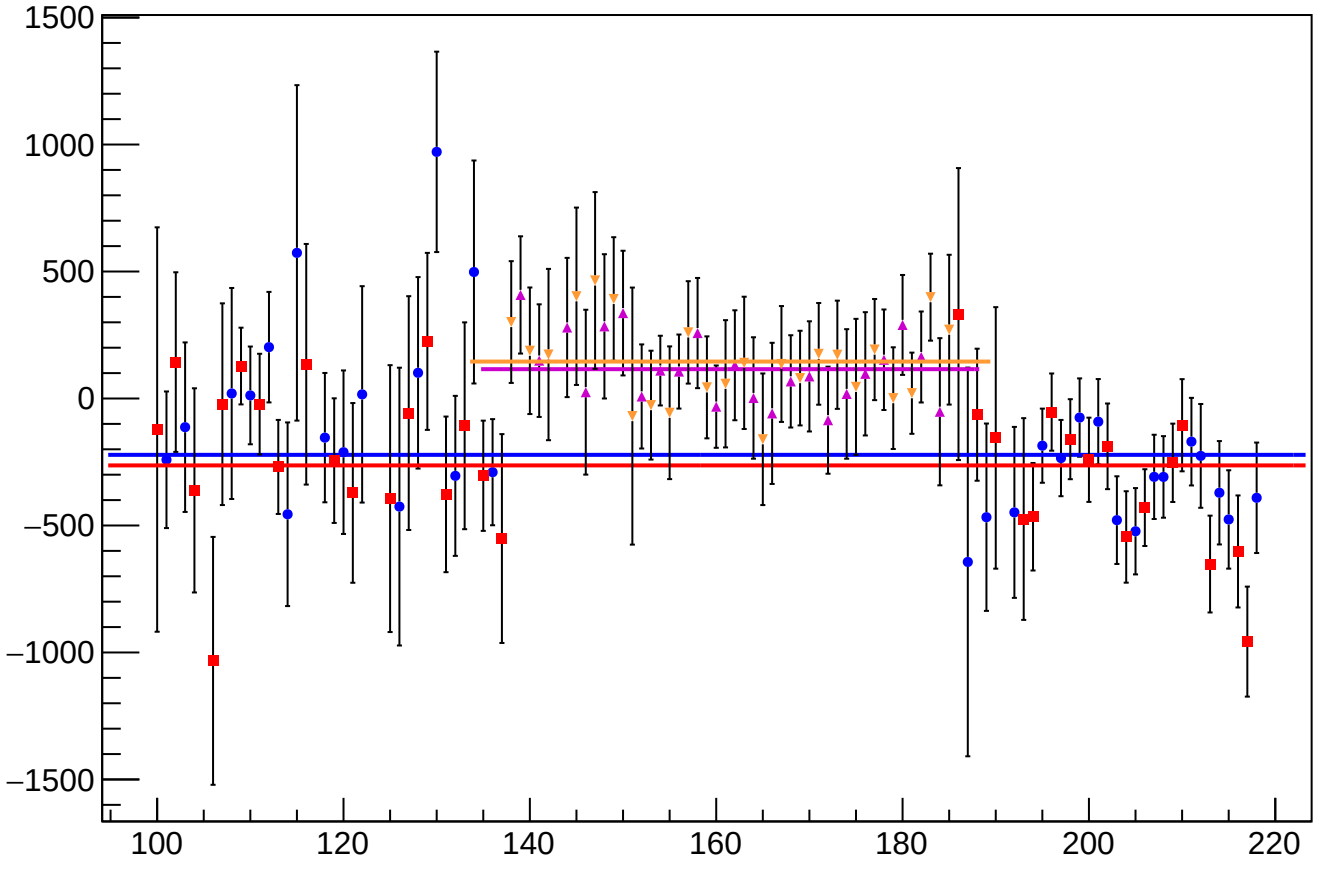
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 58.841+/-0.007 χ^2/NDF: 4896658.6/65

In: 60.254+/-0.007 χ^2/NDF:3727391.3/54

Out: 61.938+/-0.007 χ^2/NDF:4663665.4/57

All: 61.072+/-0.005 χ^2/NDF: 8418087.2/112



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: -263.428+/-39.651 χ^2/NDF: 43.0/33

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

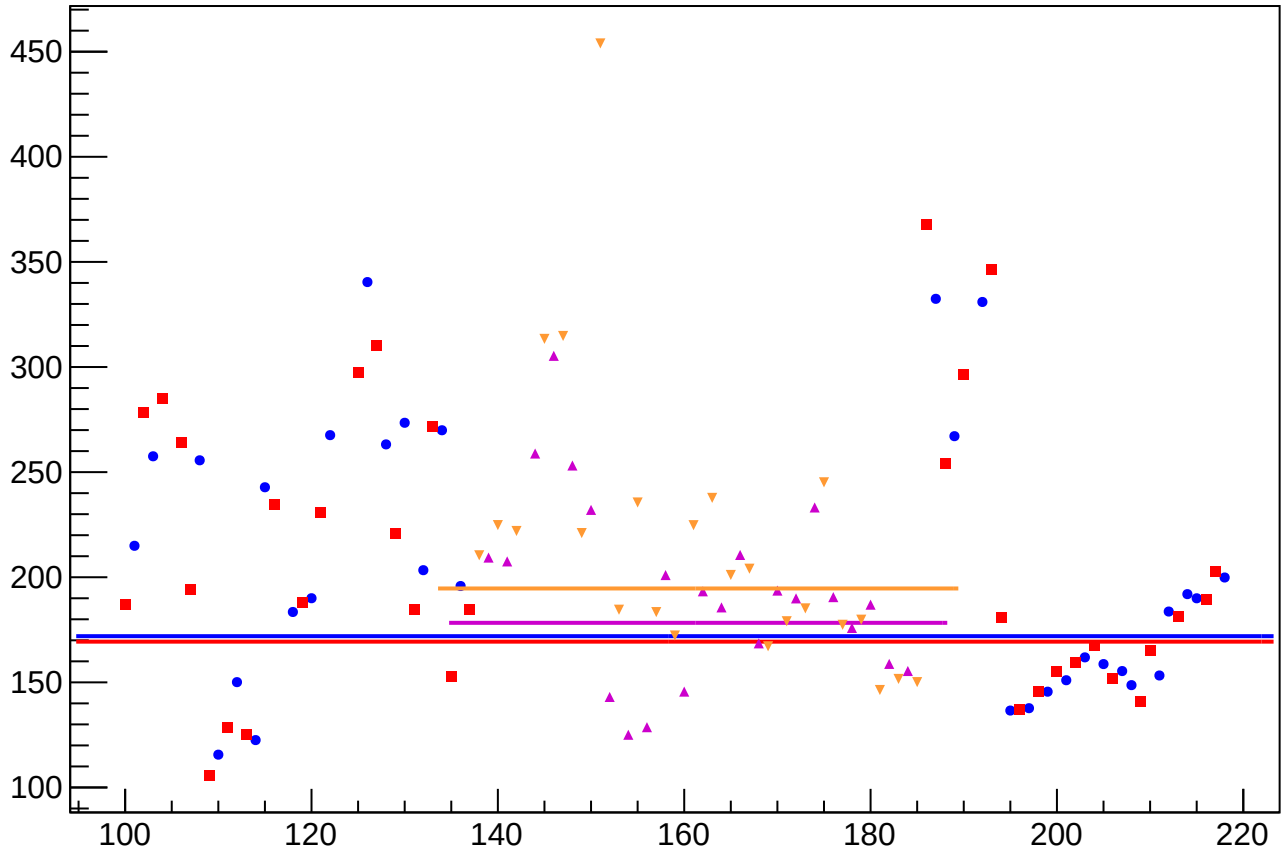
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -242.712+/-28.085 χ^2/NDF: 76.0/65

In: -68.458+/-29.379 χ^2/NDF:73.0/54

Out: -92.938+/-30.277 χ^2/NDF:97.5/57

All: -80.330+/-21.084 χ^2/NDF: 170.8/112



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: 169.367+/-0.028 χ^2/NDF: 2900470.4/33

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

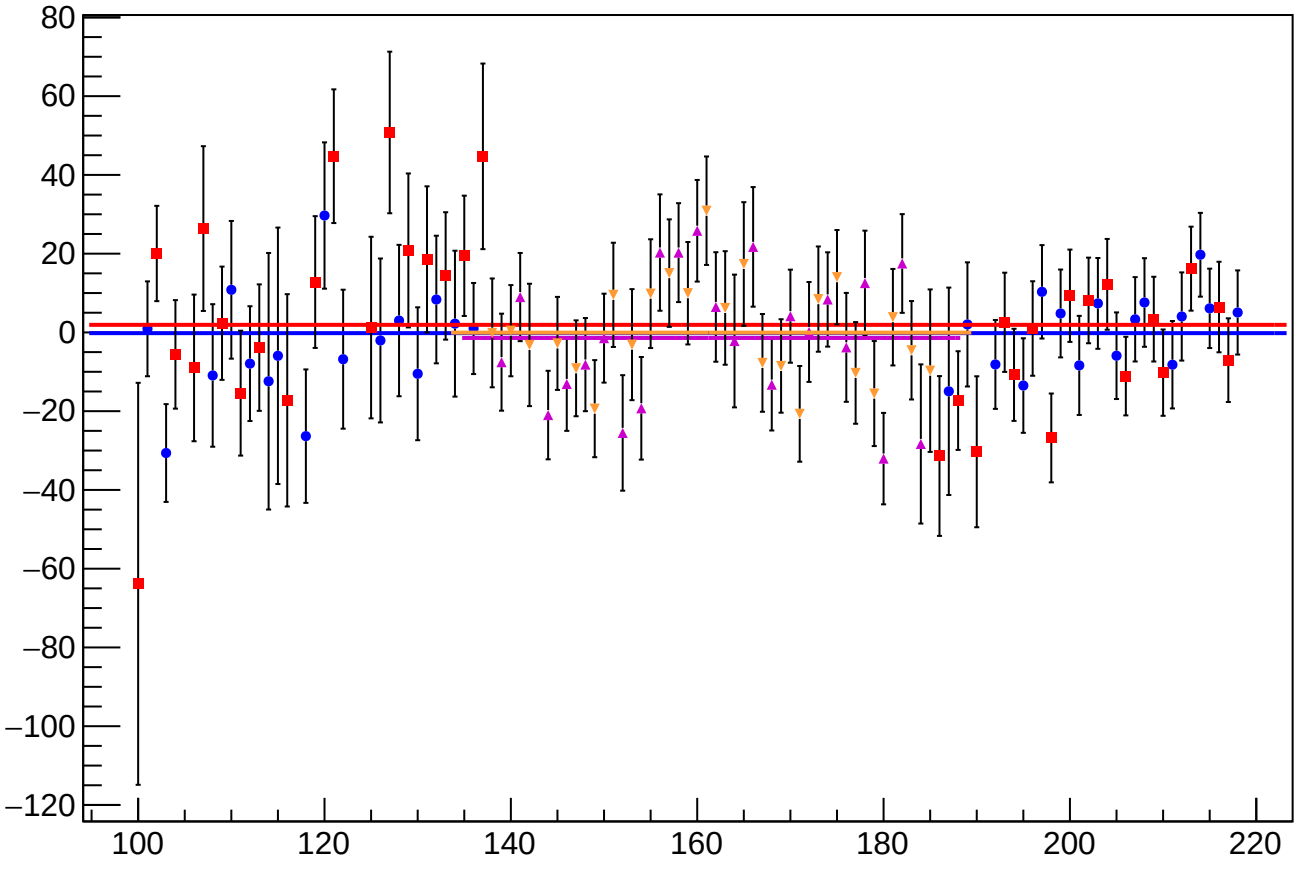
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 170.663+/-0.020 χ^2/NDF: 5275848.4/65

In: 174.855+/-0.021 χ^2/NDF:4072594.6/54

Out: 179.913+/-0.021 χ^2/NDF:4992870.8/57

All: 177.308+/-0.015 χ^2/NDF: 9094205.9/112



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: 1.923+/-2.398 χ^2/NDF: 49.8/33

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

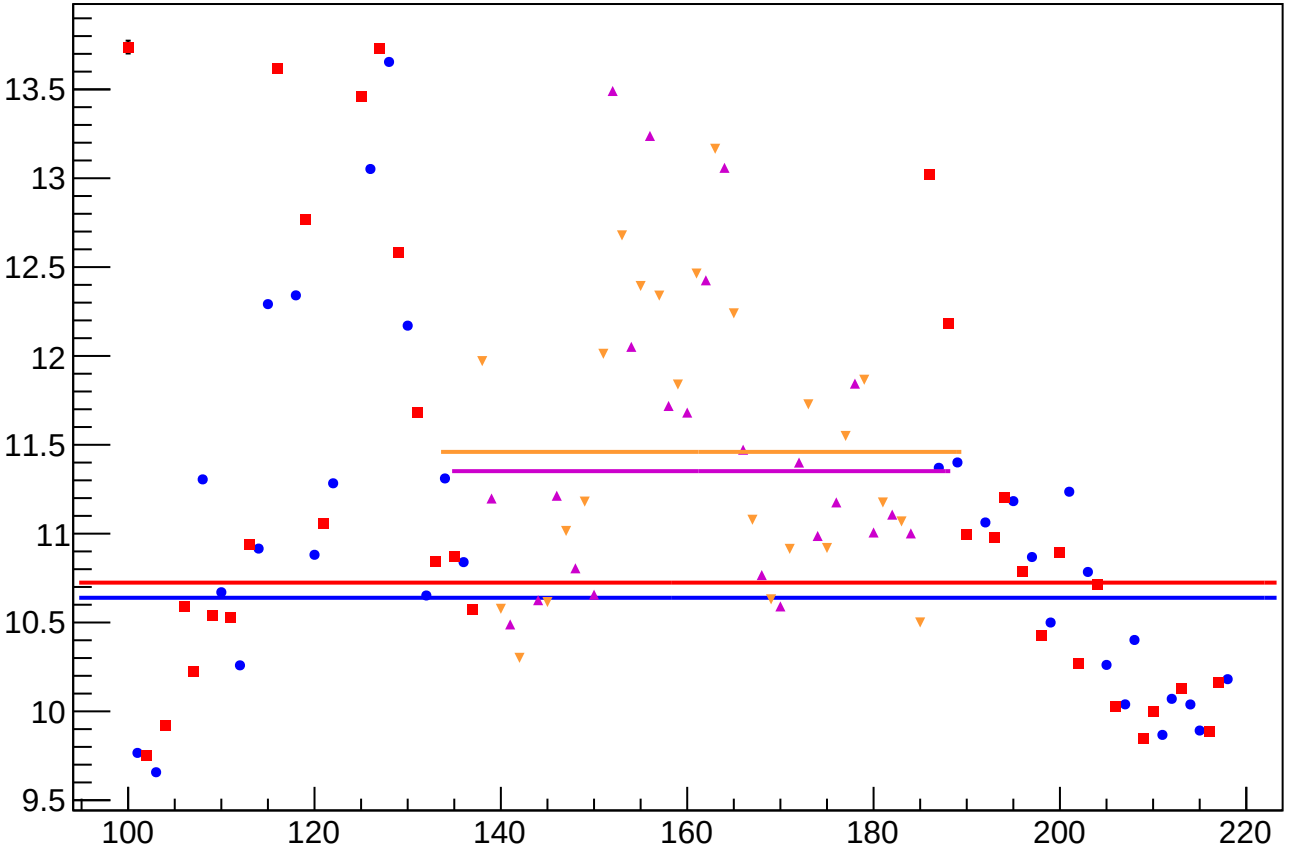
Right: 0.863+/-1.690 χ^2/NDF: 72.8/65

In: -0.724+/-1.779 χ^2/NDF:59.0/54

Out: 1.049+/-1.789 χ^2/NDF:70.6/57

All: 0.157+/-1.261 χ^2/NDF: 130.1/112

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: 10.724+/-0.002 χ^2/NDF: 294627.0/33

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

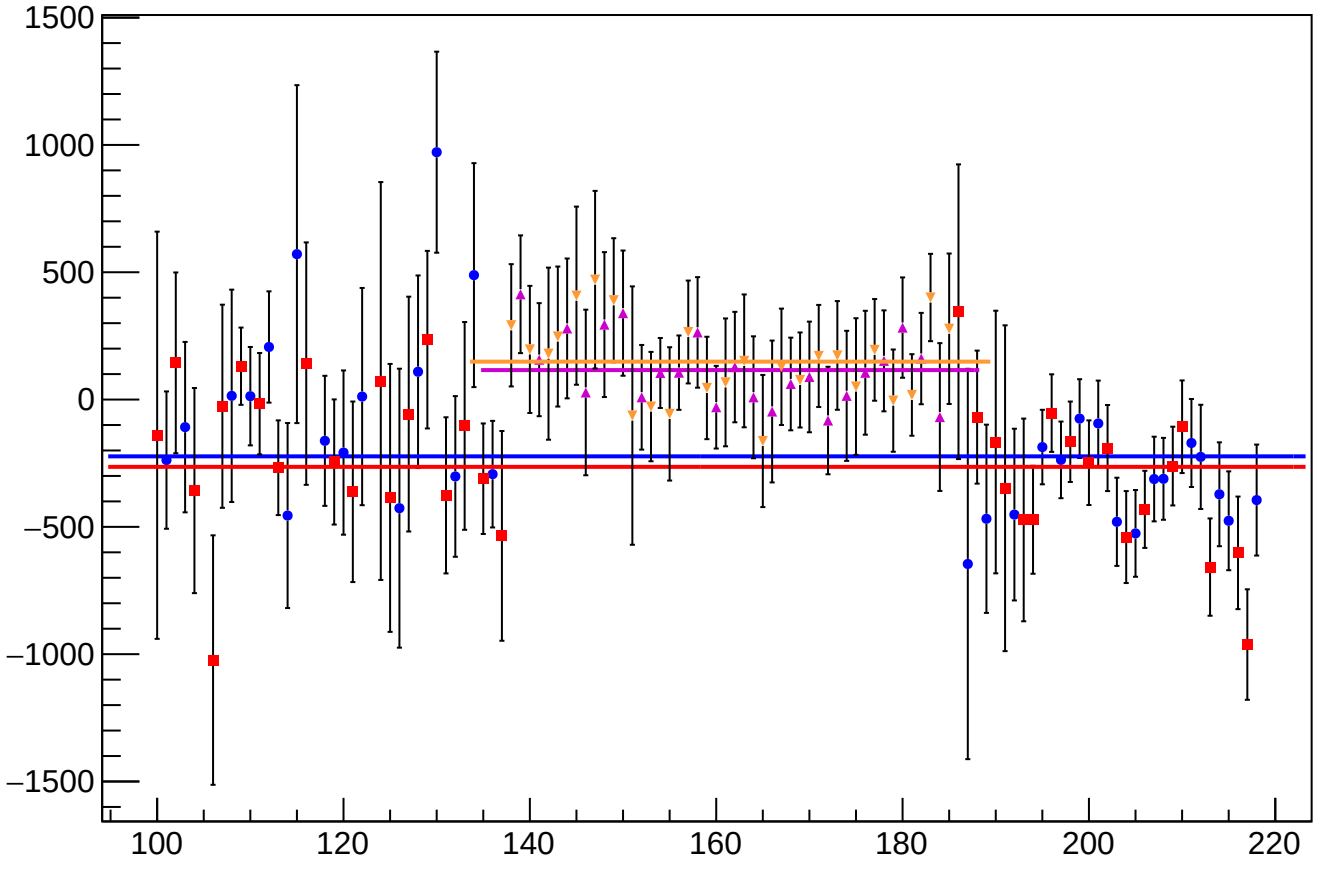
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 10.681+/-0.001 χ^2/NDF: 511618.9/65

In: 10.954+/-0.001 χ^2/NDF:465476.4/54

Out: 11.051+/-0.001 χ^2/NDF:528585.3/57

All: 11.002+/-0.001 χ^2/NDF: 996984.7/112



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: -264.321+/-39.629 χ^2/NDF: 43.3/35

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

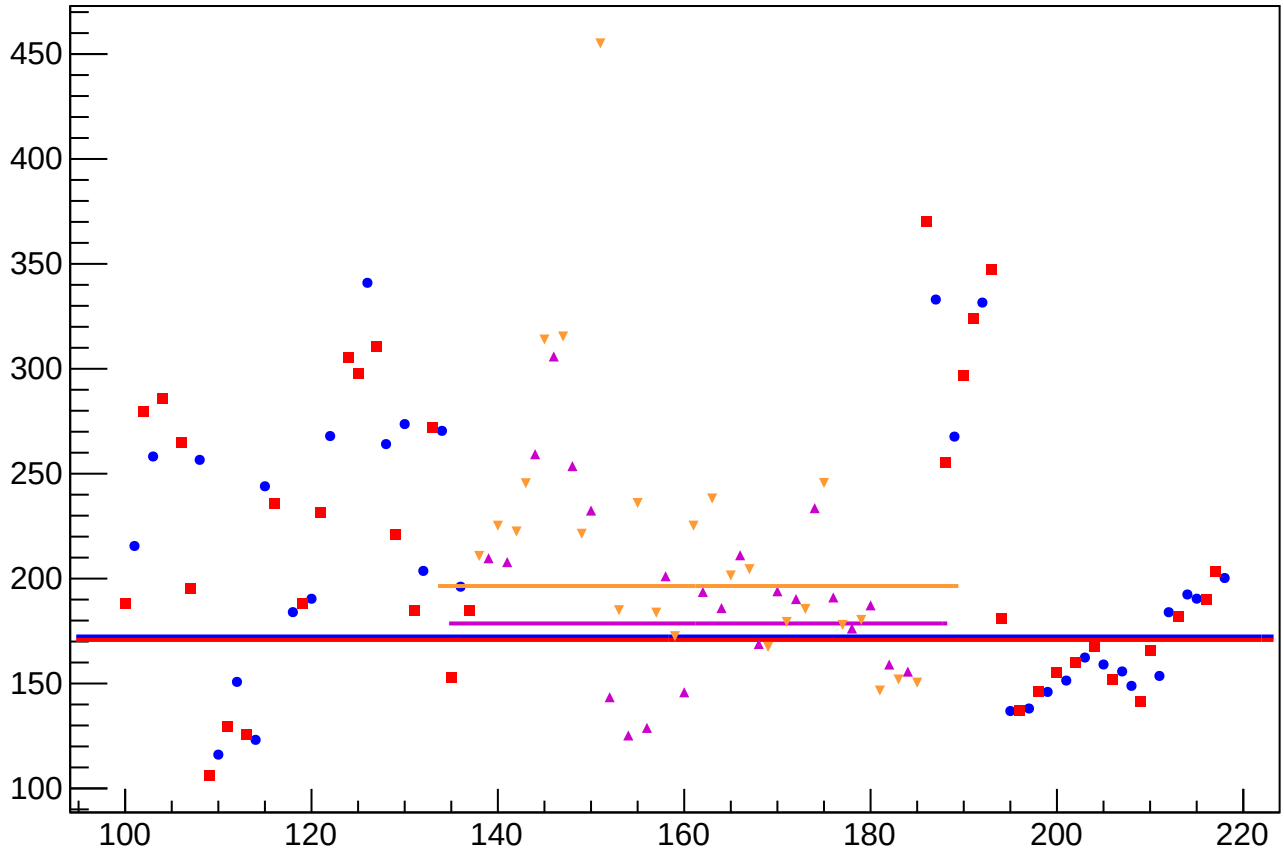
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -243.824+/-28.112 χ^2/NDF: 76.3/67

In: -68.879+/-29.441 χ^2/NDF:73.2/54

Out: -89.624+/-30.109 χ^2/NDF:99.7/60

All: -79.019+/-21.050 χ^2/NDF: 173.1/115



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: 170.764+/-0.028 χ^2/NDF: 3072484.6/35

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

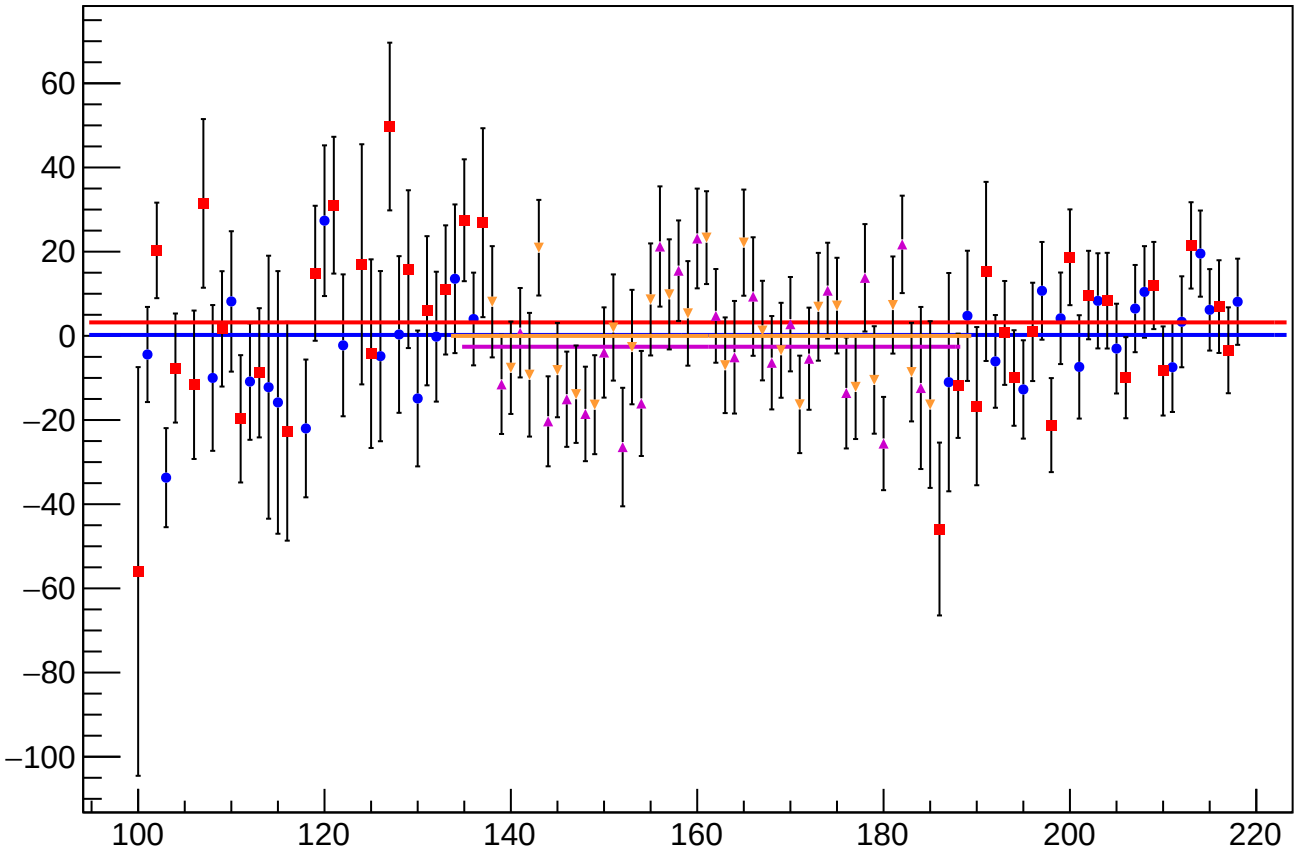
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 171.580+/-0.020 χ^2/NDF: 5440296.9/67

In: 175.232+/-0.021 χ^2/NDF:4067011.2/54

Out: 181.625+/-0.021 χ^2/NDF:5246567.6/60

All: 178.357+/-0.015 χ^2/NDF: 9359676.3/115



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: 3.194+/-2.293 χ^2/NDF: 49.7/35

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

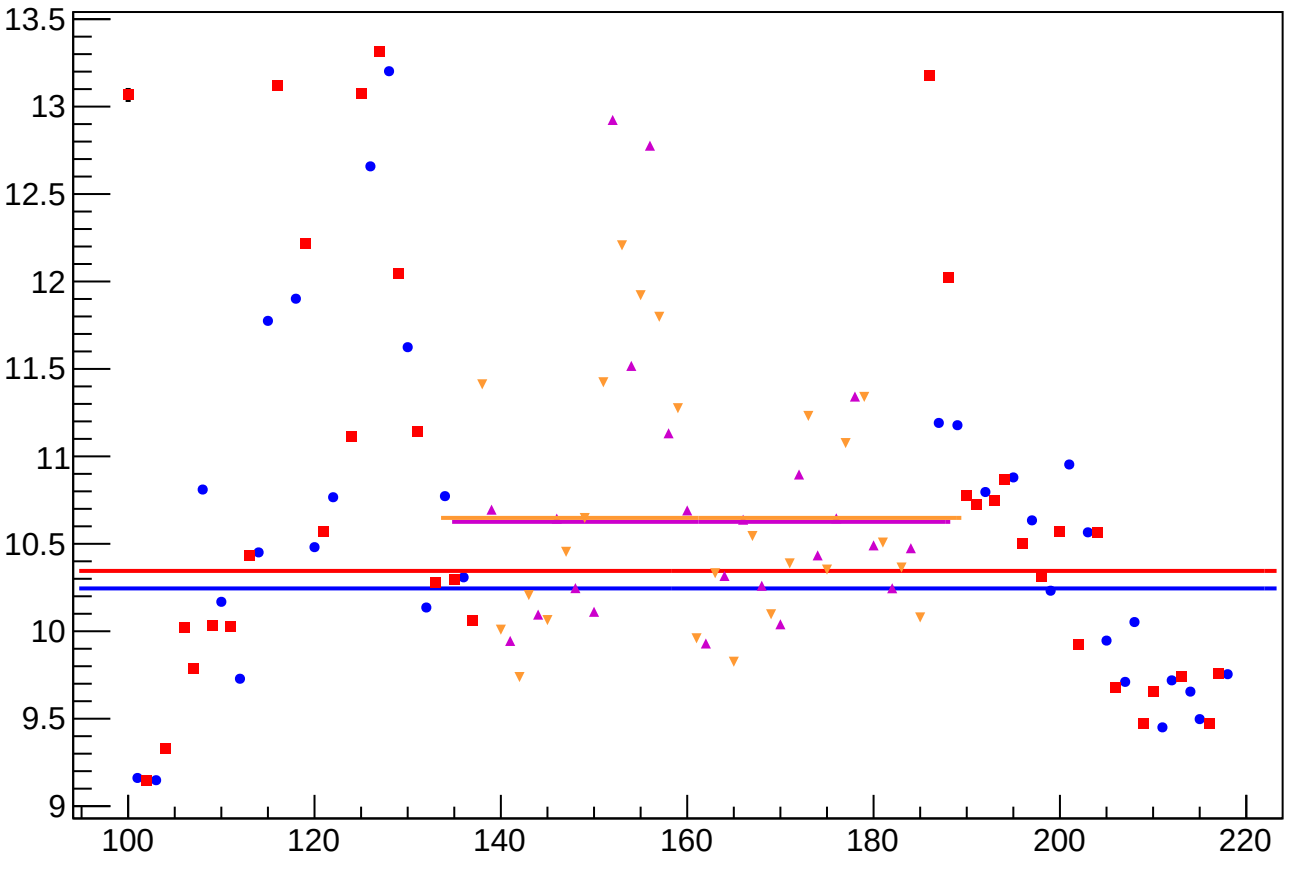
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 1.706+/-1.622 χ^2/NDF: 76.6/67

In: -1.066+/-1.693 χ^2/NDF:61.5/54

Out: 1.691+/-1.672 χ^2/NDF:74.4/60

All: 0.329+/-1.190 χ^2/NDF: 137.3/115



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: 10.345+/-0.002 χ^2/NDF: 338487.8/35

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

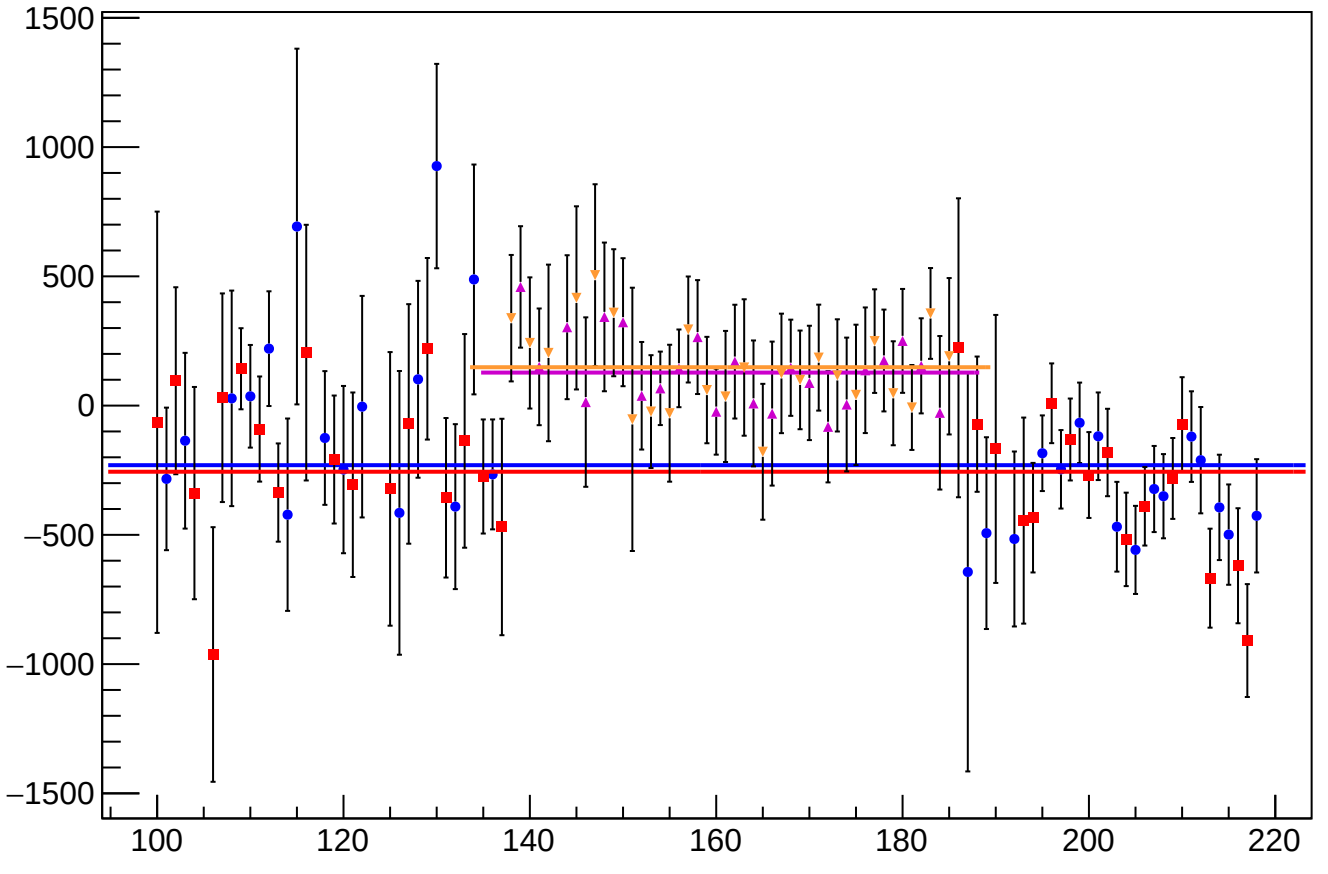
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.295+/-0.001 χ^2/NDF: 582255.4/67

In: 10.419+/-0.001 χ^2/NDF:426514.6/54

Out: 10.487+/-0.001 χ^2/NDF:498393.6/60

All: 10.453+/-0.001 χ^2/NDF: 926555.7/115



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: -255.818+/-40.111 χ^2/NDF: 40.4/33

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

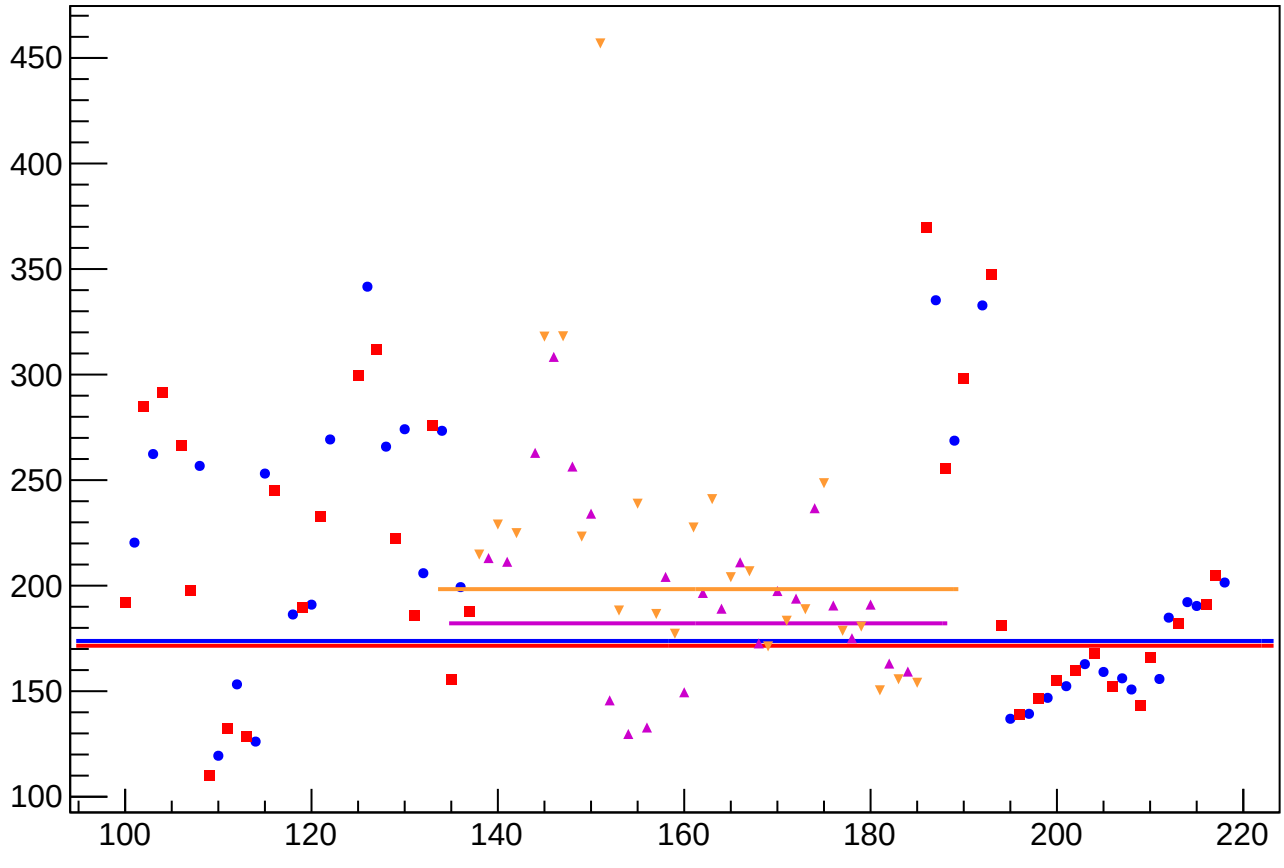
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -243.174+/-28.392 χ^2/NDF: 75.2/65

In: -69.259+/-29.805 χ^2/NDF:78.2/54

Out: -88.451+/-30.705 χ^2/NDF:92.3/57

All: -78.569+/-21.387 χ^2/NDF: 170.7/112



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: 171.544+/-0.028 χ^2/NDF: 2830207.2/33

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

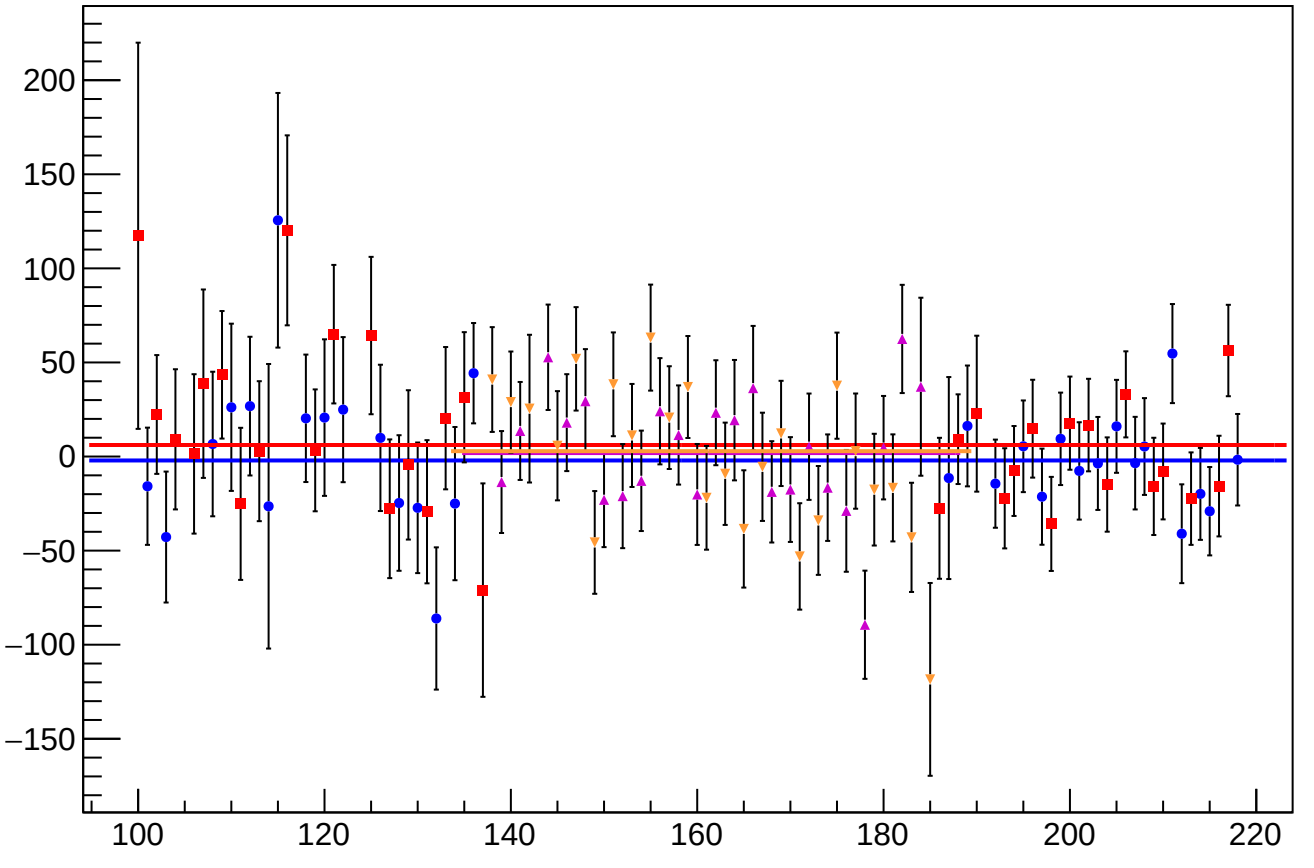
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 172.672+/-0.020 χ^2/NDF: 5180525.7/65

In: 177.561+/-0.021 χ^2/NDF:3970321.6/54

Out: 182.643+/-0.022 χ^2/NDF:4897108.4/57

All: 180.026+/-0.015 χ^2/NDF: 8895636.1/112



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: 6.128+/-5.313 χ^2/NDF: 32.8/33

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

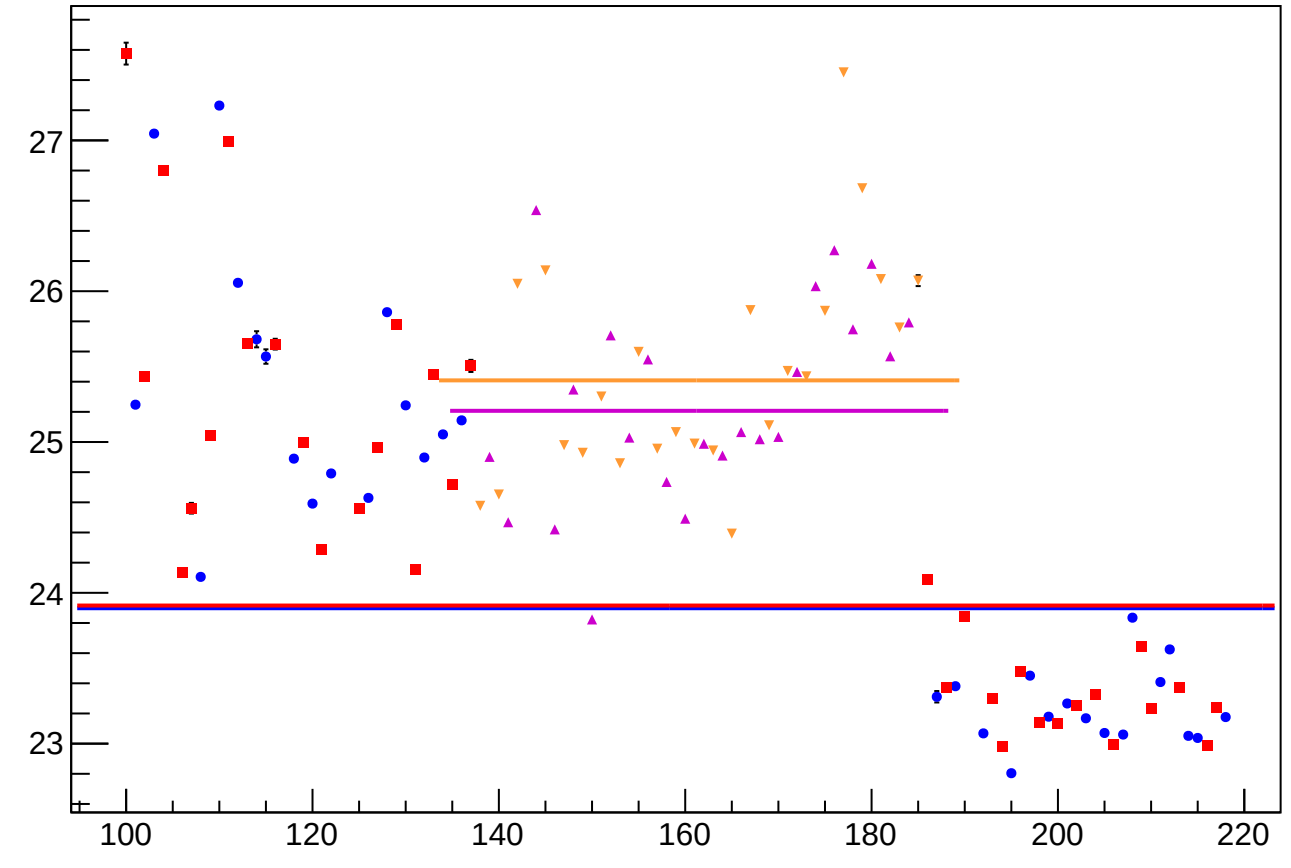
Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

Right: 2.027+/-3.761 χ^2/NDF: 61.7/65

In: -0.319+/-3.950 χ^2/NDF:56.0/54

Out: 4.662+/-3.950 χ^2/NDF:69.9/57

All: 2.172+/-2.793 χ^2/NDF: 126.7/112



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: 23.916+/-0.004 χ^2/NDF: 77116.7/33

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

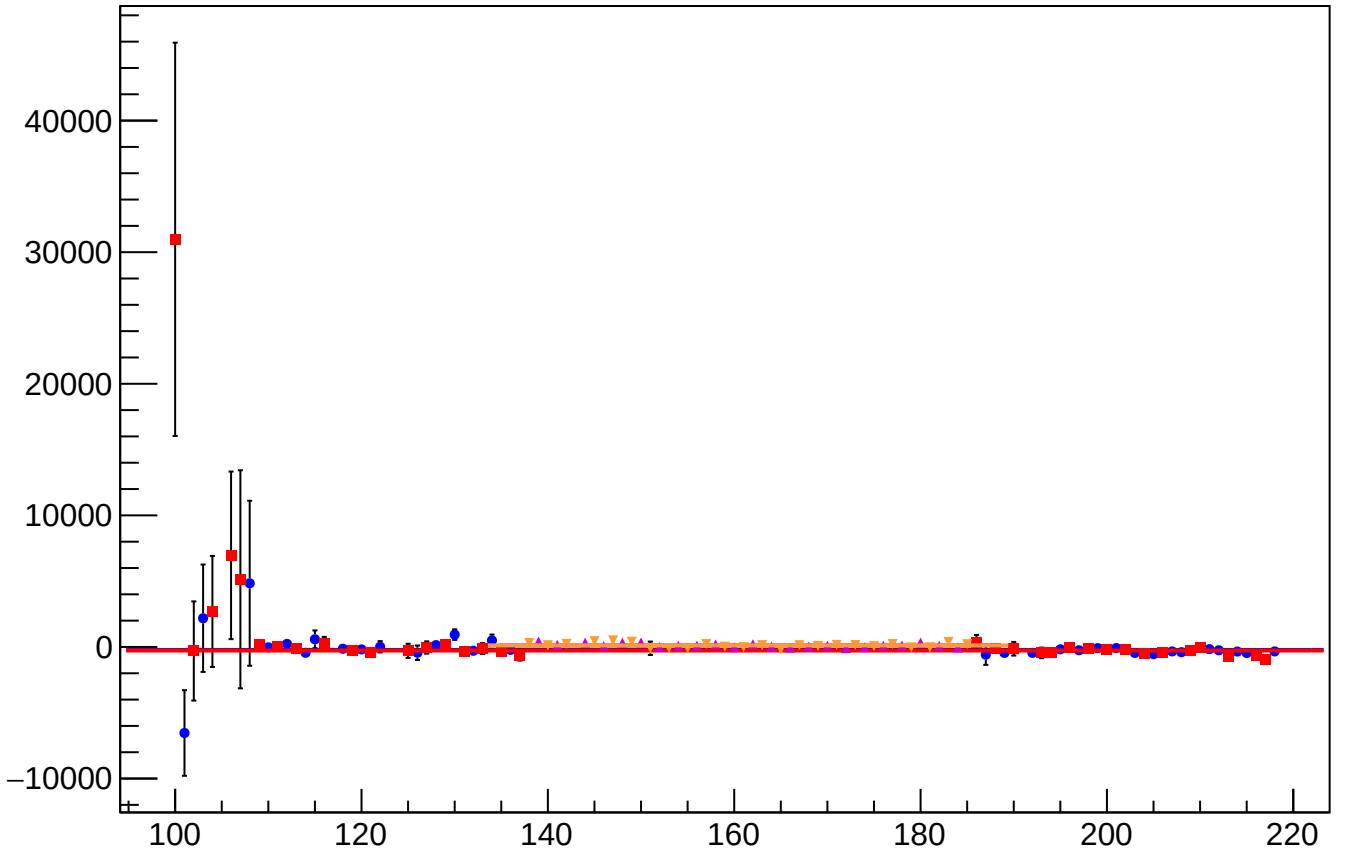
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 23.907+/-0.003 χ^2/NDF: 162998.2/65

In: 24.486+/-0.003 χ^2/NDF:166031.0/54

Out: 24.584+/-0.003 χ^2/NDF:174640.3/57

All: 24.535+/-0.002 χ^2/NDF: 341283.6/112



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: -271.064+/-42.071 χ^2/NDF: 46.4/33

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

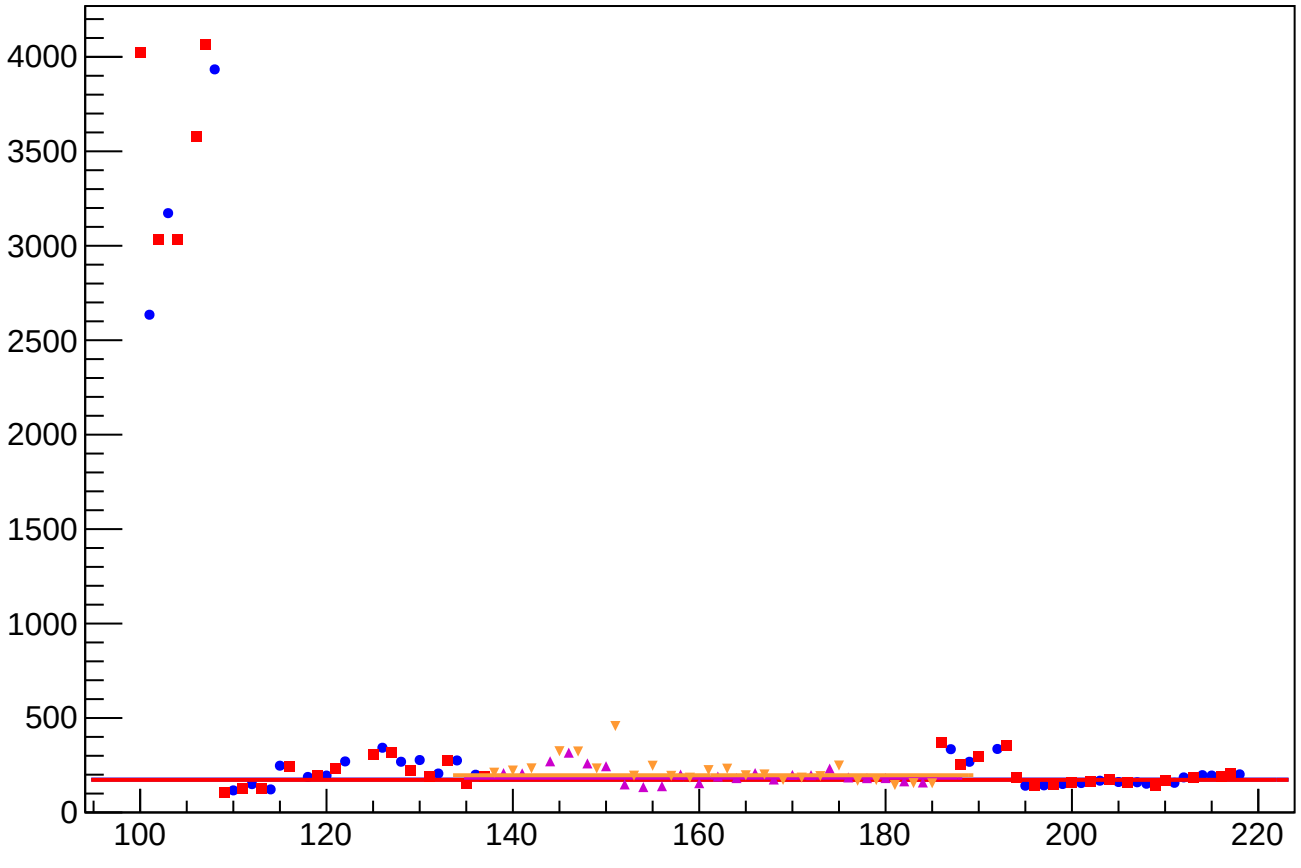
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -249.085+/-29.613 χ^2/NDF: 82.9/65

In: -67.918+/-30.515 χ^2/NDF:75.9/54

Out: -98.806+/-31.477 χ^2/NDF:96.4/57

All: -82.883+/-21.910 χ^2/NDF: 172.8/112



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: 172.519+/-0.030 χ^2/NDF: 5495262.9/33

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

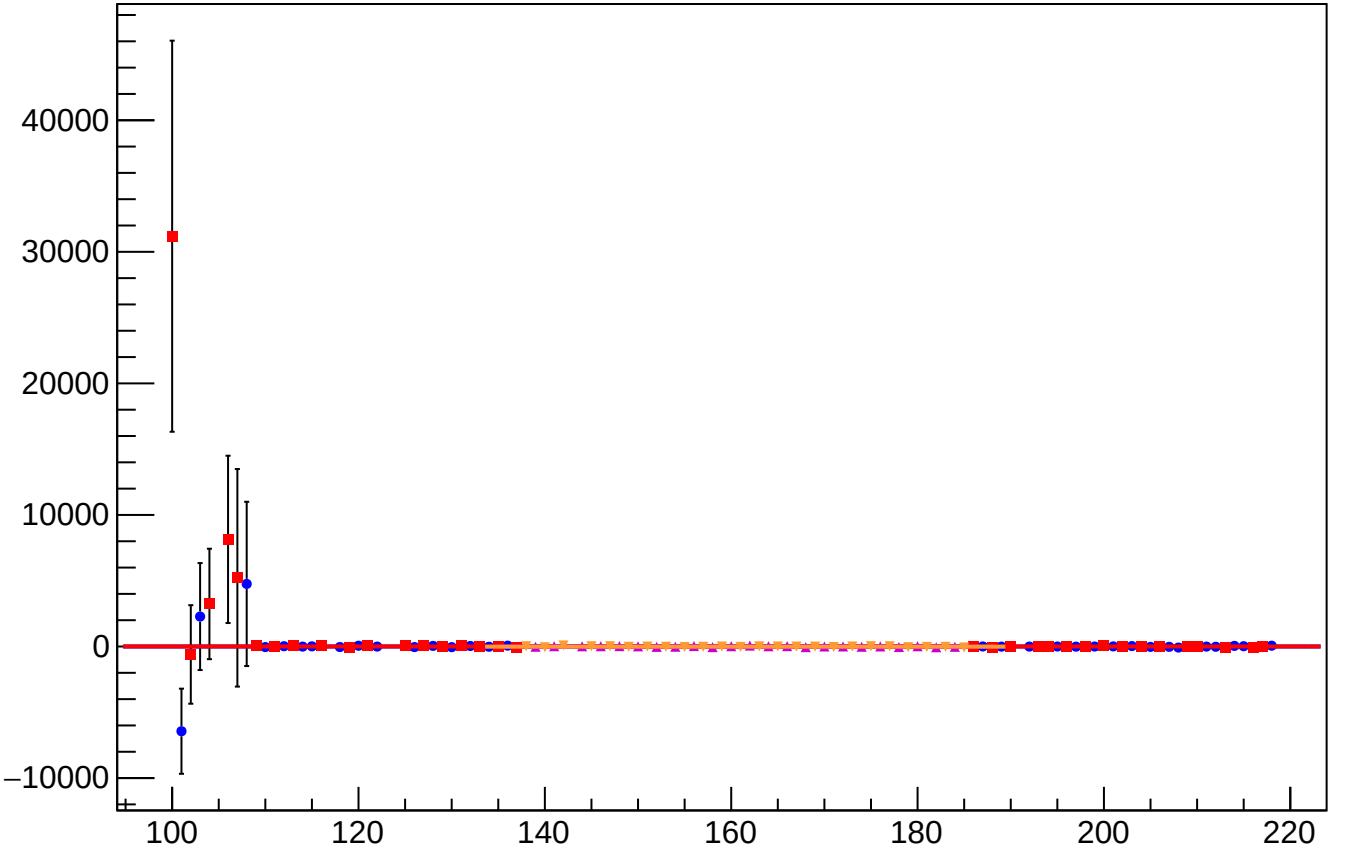
Right: 173.272+/-0.021 χ^2/NDF: 10480163.0/65

In: 178.672+/-0.022 χ^2/NDF:6482912.6/54

Out: 183.268+/-0.022 χ^2/NDF:7601077.2/57

All: 180.899+/-0.015 χ^2/NDF: 14105973.0/1

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: 2.782+/-6.381 χ^2/NDF: 40.9/33

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

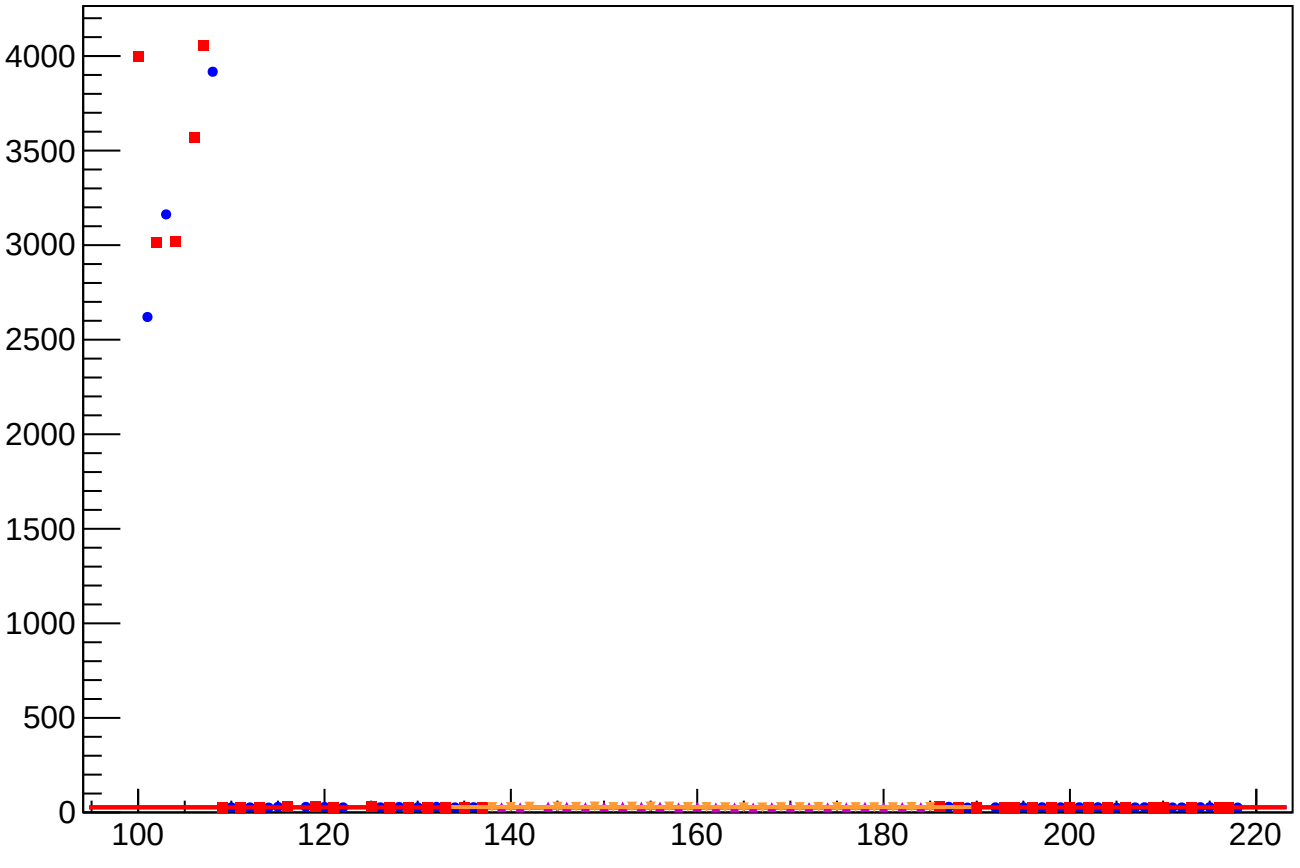
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 2.275+/-4.490 χ^2/NDF: 79.1/65

In: 2.151+/-4.607 χ^2/NDF:60.3/54

Out: -3.875+/-4.605 χ^2/NDF:60.7/57

All: -0.863+/-3.257 χ^2/NDF: 121.9/112



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: 27.195+/-0.005 χ^2/NDF: 3602459.1/33

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

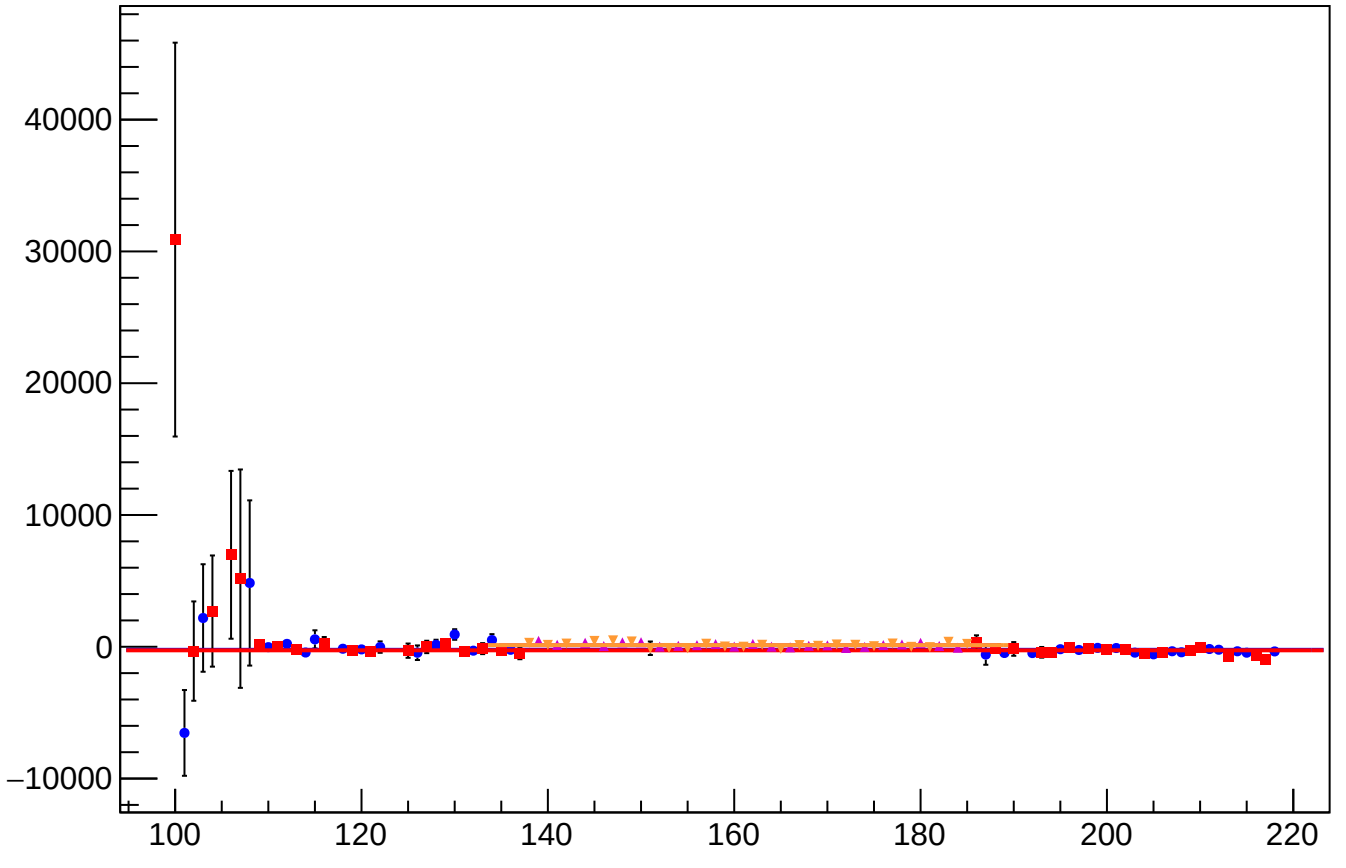
Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

Right: 27.196+/-0.003 χ^2/NDF: 6897918.5/65

In: 27.913+/-0.003 χ^2/NDF:3477911.9/54

Out: 27.865+/-0.003 χ^2/NDF:3729373.9/57

All: 27.889+/-0.002 χ^2/NDF: 7207395.9/112



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: -268.514+/-42.237 χ^2/NDF: 44.8/33

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

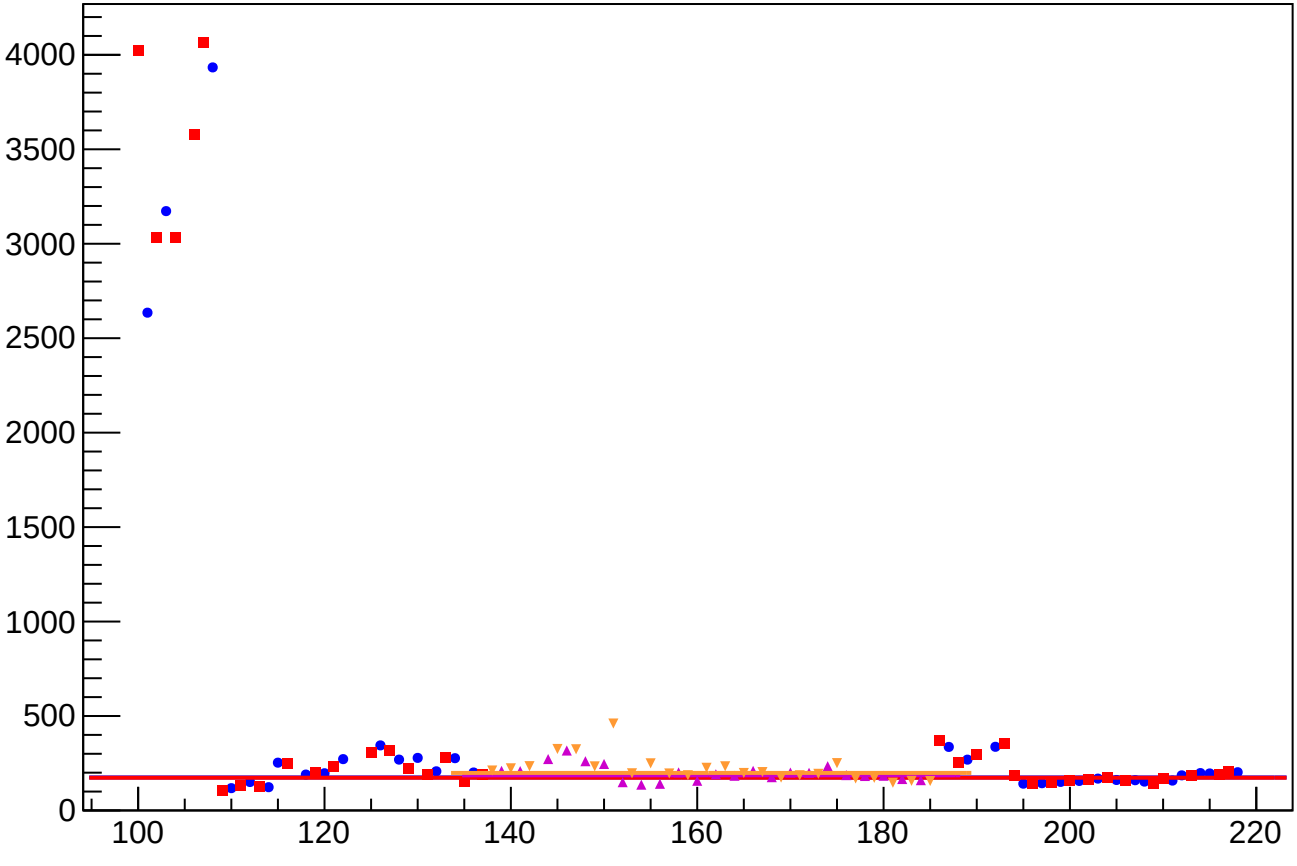
Right: -250.050+/-29.733 χ^2/NDF: 81.2/65

In: -68.121+/-30.713 χ^2/NDF:77.2/54

Out: -95.591+/-31.666 χ^2/NDF:94.7/57

All: -81.436+/-22.047 χ^2/NDF: 172.3/112

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug, Sign Corrected



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: 173.241+/-0.030 χ^2/NDF: 5482088.9/33

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

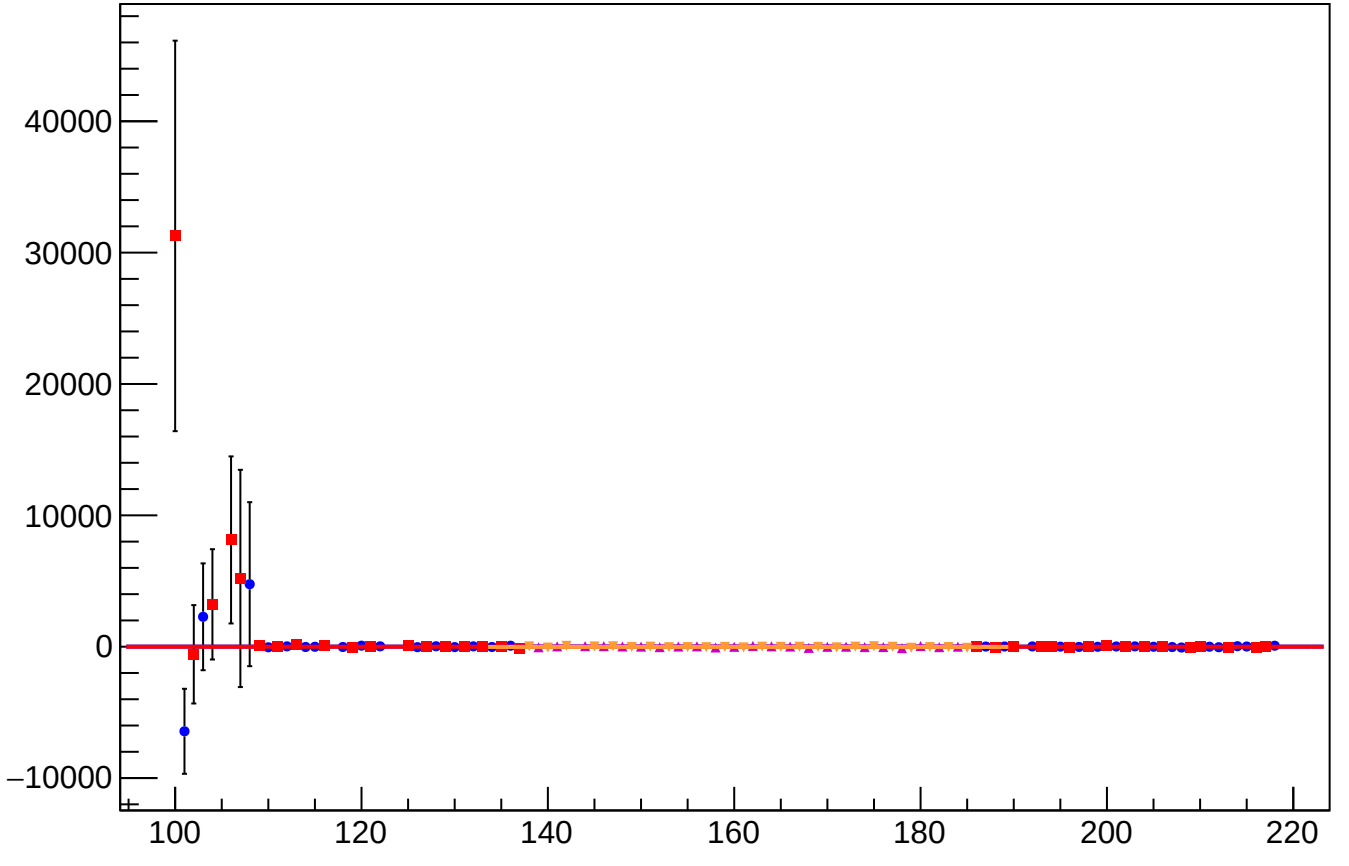
Right: 174.002+/-0.021 χ^2/NDF: 10460714.6/65

In: 179.885+/-0.022 χ^2/NDF:6448032.7/54

Out: 184.405+/-0.022 χ^2/NDF:7587611.7/57

All: 182.076+/-0.016 χ^2/NDF: 14056640.2/1

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: -2.059+/-7.042 χ^2/NDF: 44.9/33

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

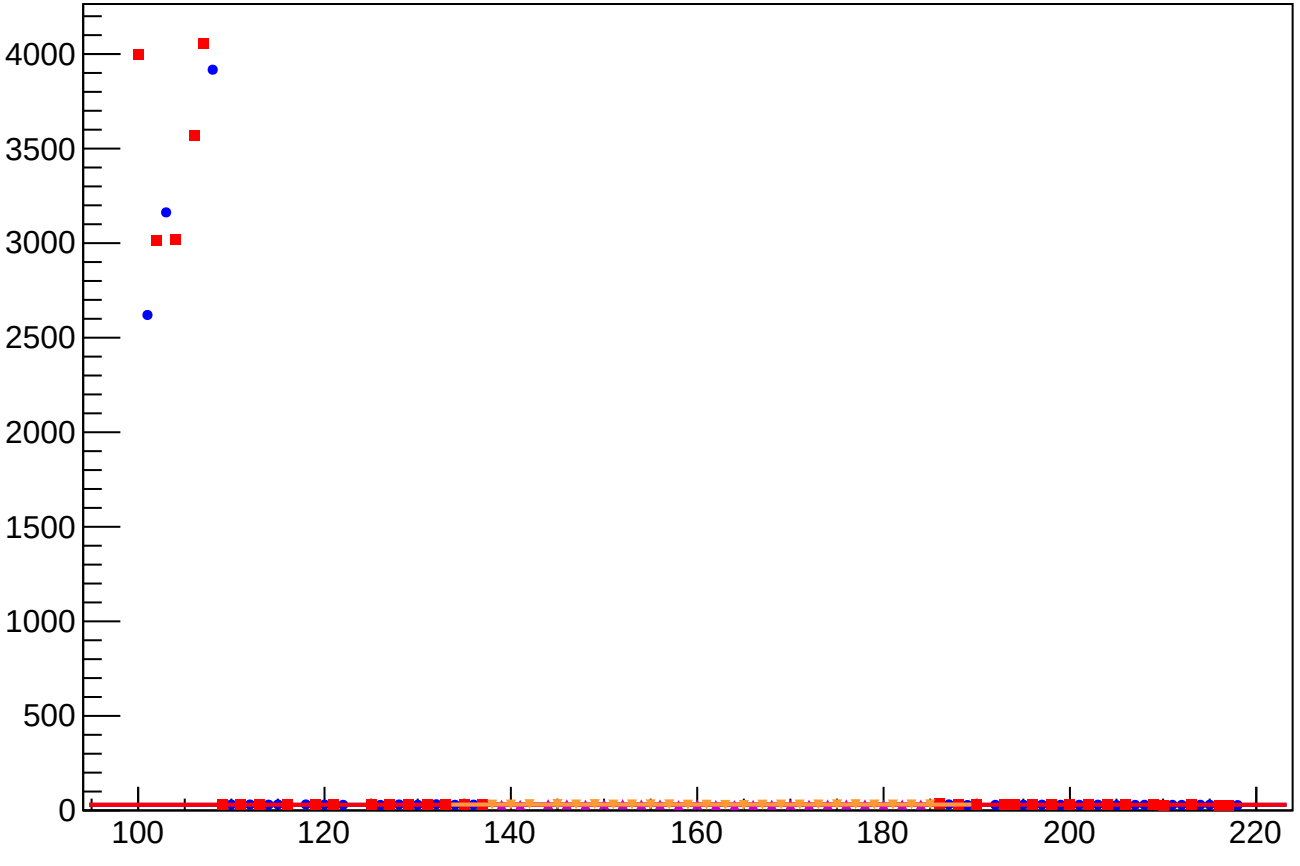
Right: 2.721+/-4.954 χ^2/NDF: 77.2/65

In: 2.614+/-5.057 χ^2/NDF:67.9/54

Out: -9.878+/-5.055 χ^2/NDF:67.8/57

All: -3.634+/-3.575 χ^2/NDF: 138.7/112

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: 30.029+/-0.005 χ^2/NDF: 3577419.9/33

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

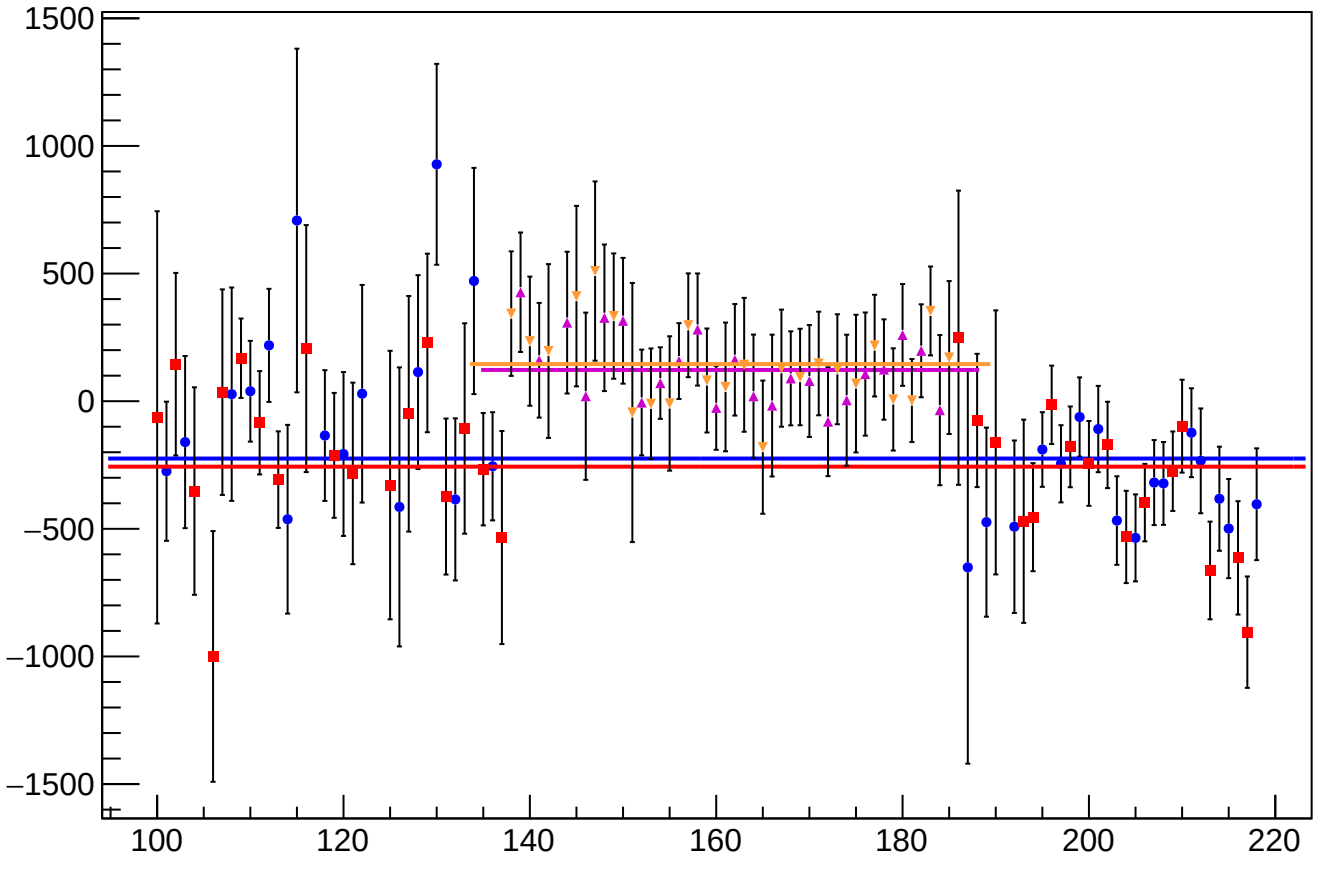
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.019+/-0.004 χ^2/NDF: 6859969.3/65

In: 30.658+/-0.004 χ^2/NDF:3404373.9/54

Out: 30.607+/-0.004 χ^2/NDF:3652635.4/57

All: 30.633+/-0.003 χ^2/NDF: 7057111.1/112



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: -256.431+/-39.987 χ^2/NDF: 41.6/33

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

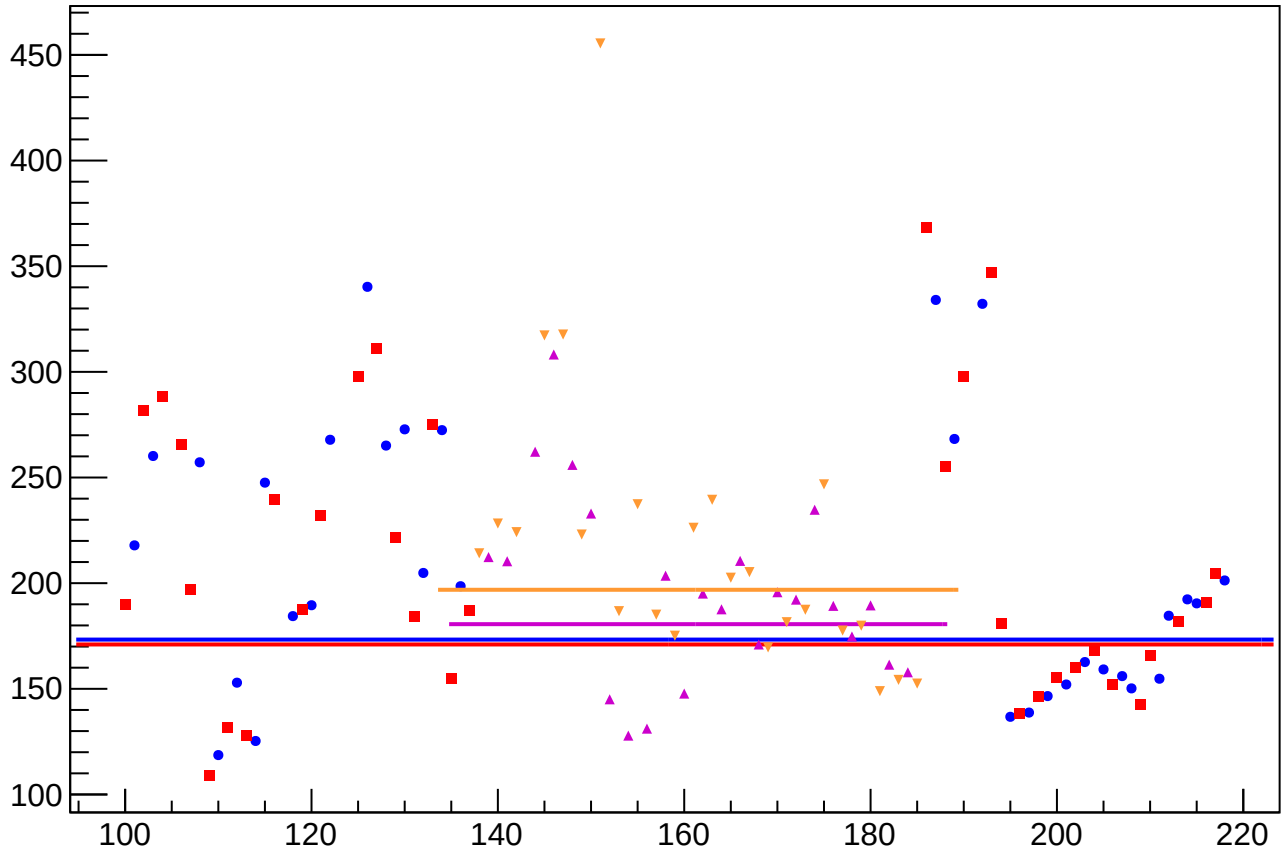
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -240.602+/-28.307 χ^2/NDF: 75.8/65

In: -67.639+/-29.653 χ^2/NDF:75.7/54

Out: -89.354+/-30.561 χ^2/NDF:92.9/57

All: -78.169+/-21.282 χ^2/NDF: 168.9/112



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: 170.991+/-0.028 χ^2/NDF: 2829055.1/33

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

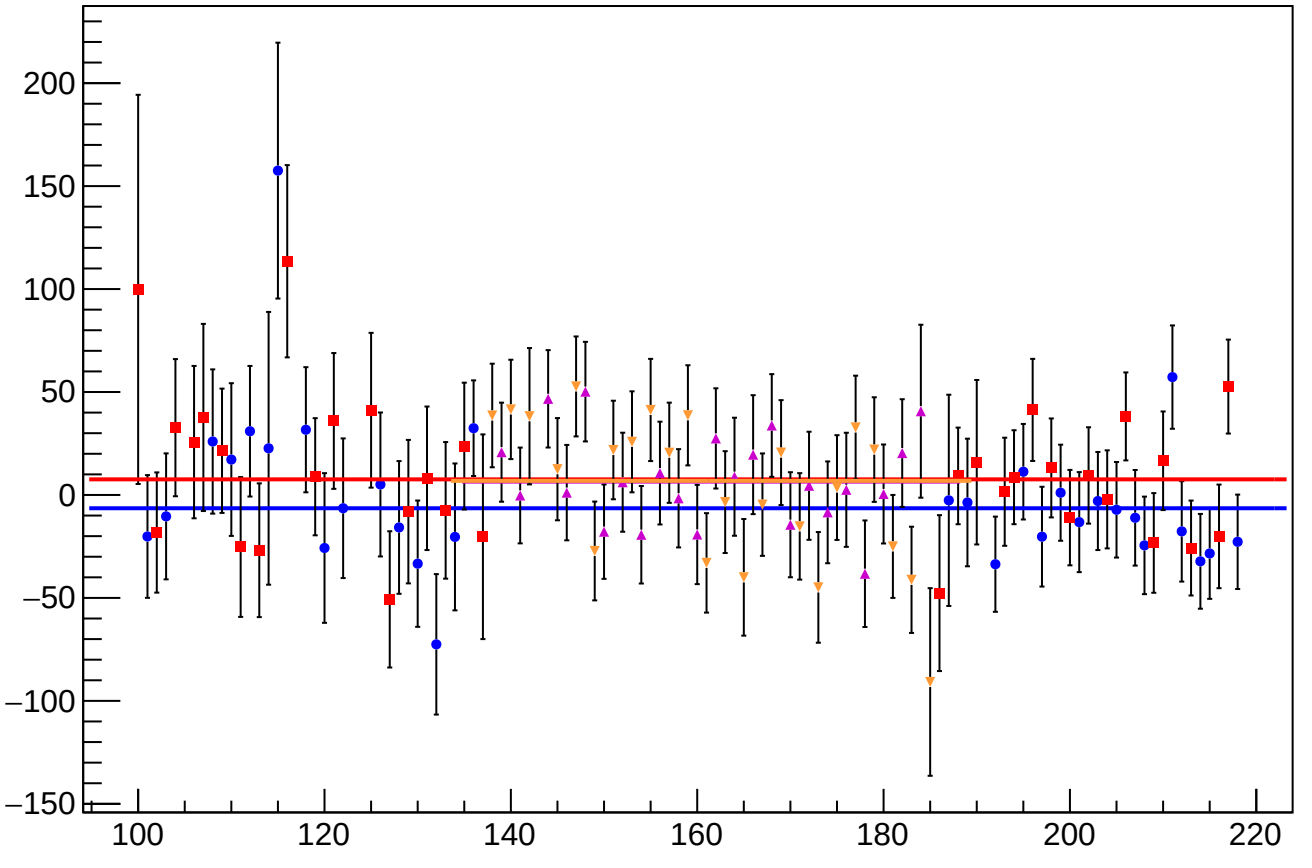
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 172.146+/-0.020 χ^2/NDF: 5173870.0/65

In: 176.607+/-0.021 χ^2/NDF:3999543.9/54

Out: 181.755+/-0.022 χ^2/NDF:4902615.7/57

All: 179.103+/-0.015 χ^2/NDF: 8931388.7/112



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: 7.582+/-4.944 χ^2/NDF: 32.0/33

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

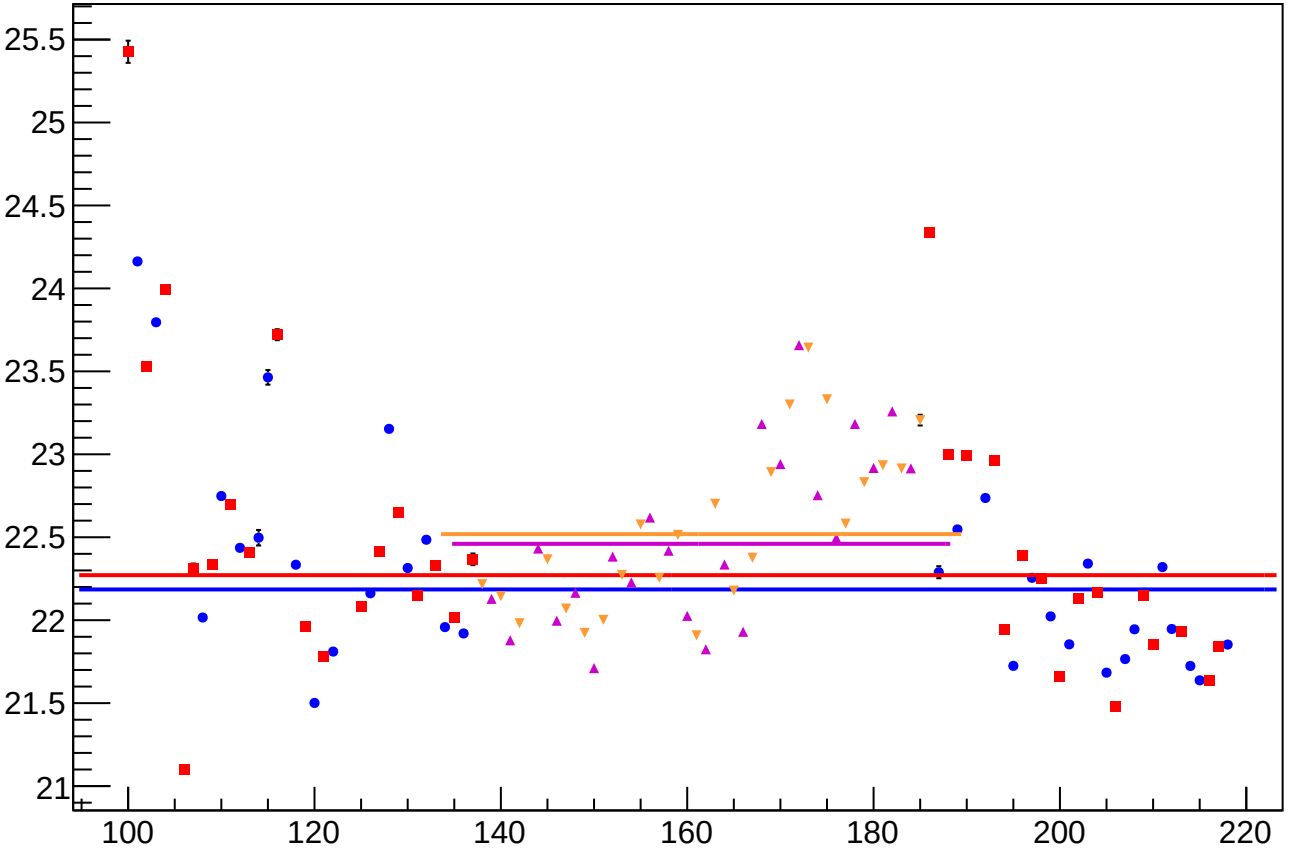
Right: 0.555+/-3.493 χ^2/NDF: 68.2/65

In: -0.378+/-3.595 χ^2/NDF:52.8/54

Out: 7.240+/-3.592 χ^2/NDF:68.9/57

All: 3.434+/-2.541 χ^2/NDF: 123.9/112

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: 22.272+/-0.003 χ^2/NDF: 34486.4/33

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

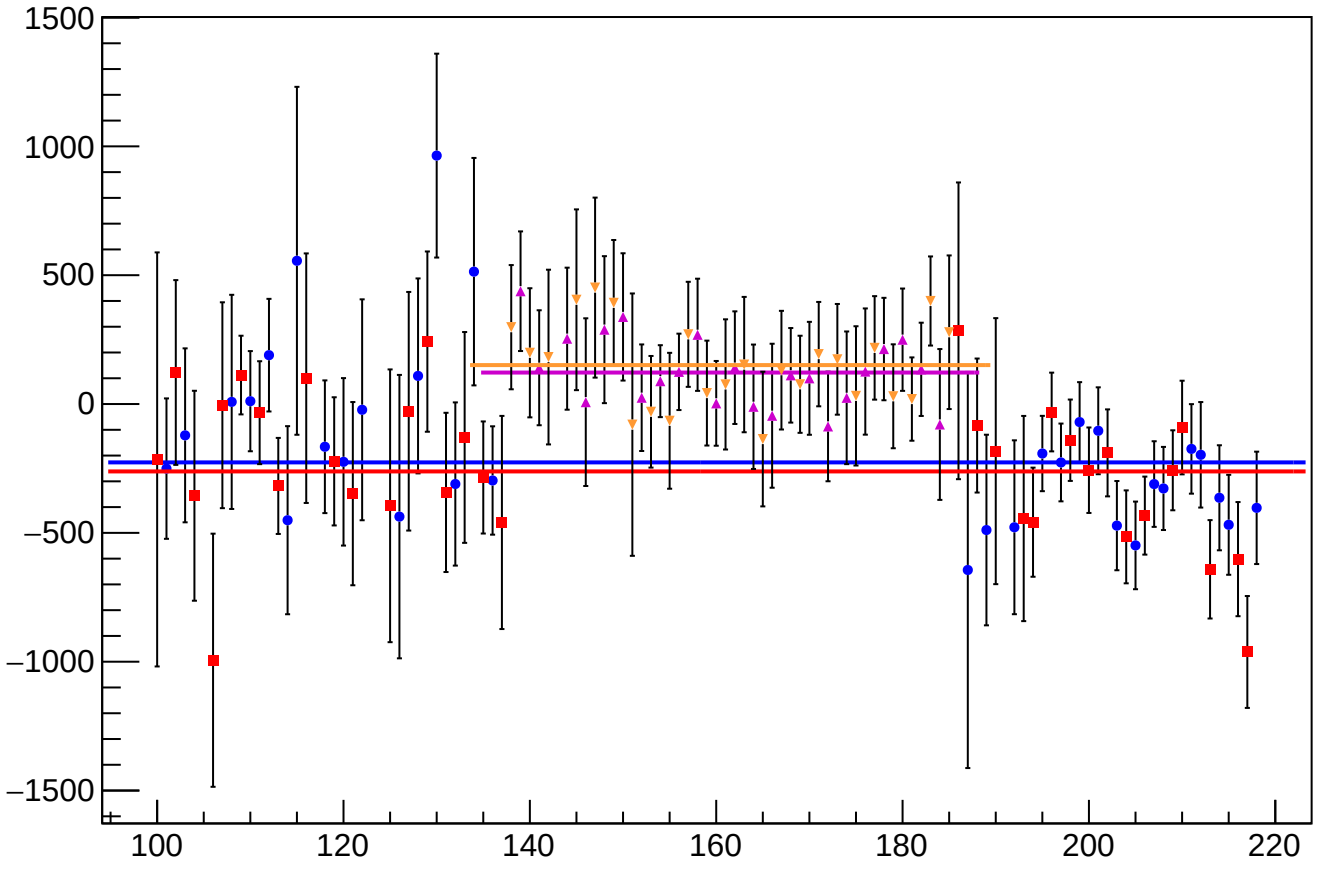
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.228+/-0.002 χ^2/NDF: 61280.6/65

In: 22.314+/-0.003 χ^2/NDF:48518.8/54

Out: 22.388+/-0.003 χ^2/NDF:52850.2/57

All: 22.351+/-0.002 χ^2/NDF: 101791.4/112



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: -261.551+/-39.825 χ^2/NDF: 41.1/33

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

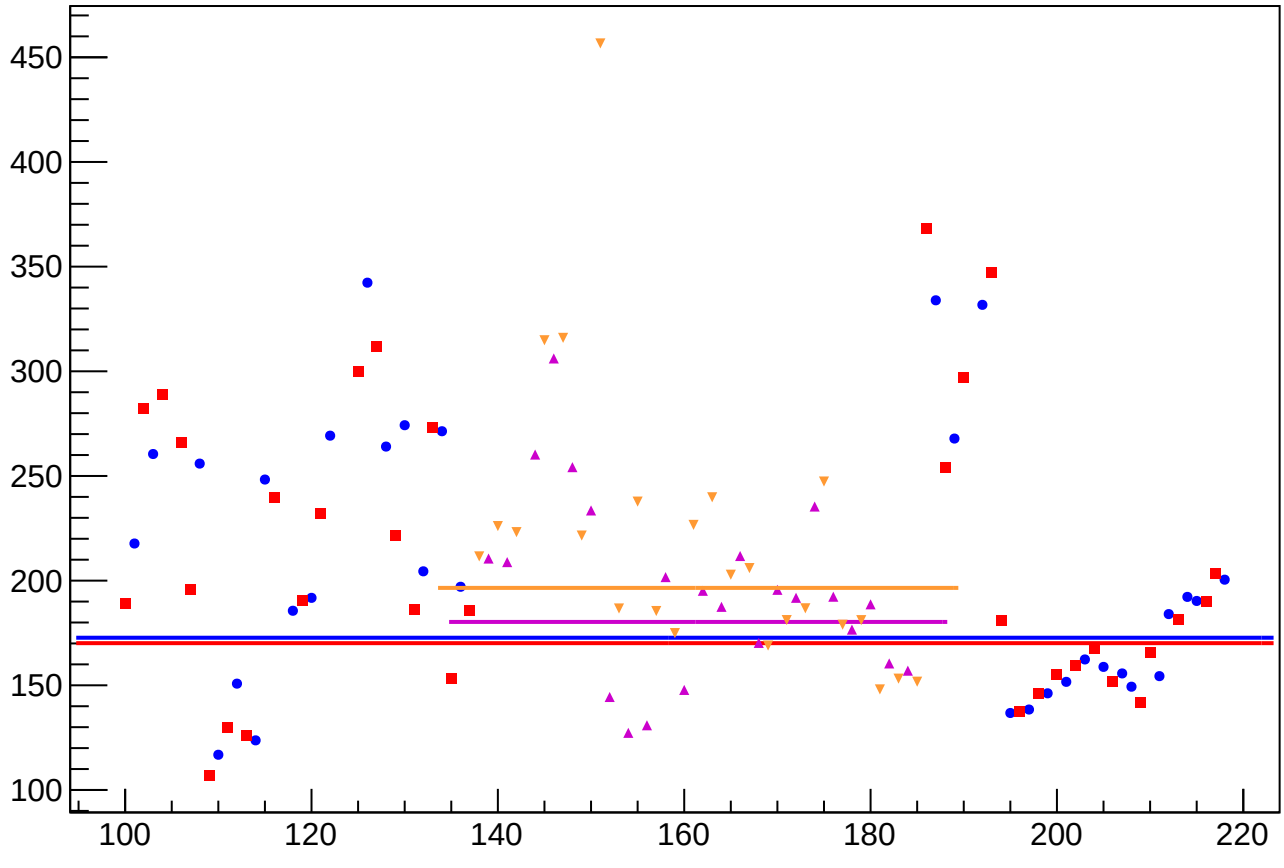
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -244.080+/-28.209 χ^2/NDF: 74.0/65

In: -68.915+/-29.584 χ^2/NDF:74.4/54

Out: -90.435+/-30.469 χ^2/NDF:95.6/57

All: -79.358+/-21.225 χ^2/NDF: 170.2/112



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: 170.132+/-0.028 χ^2/NDF: 2897374.3/33

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

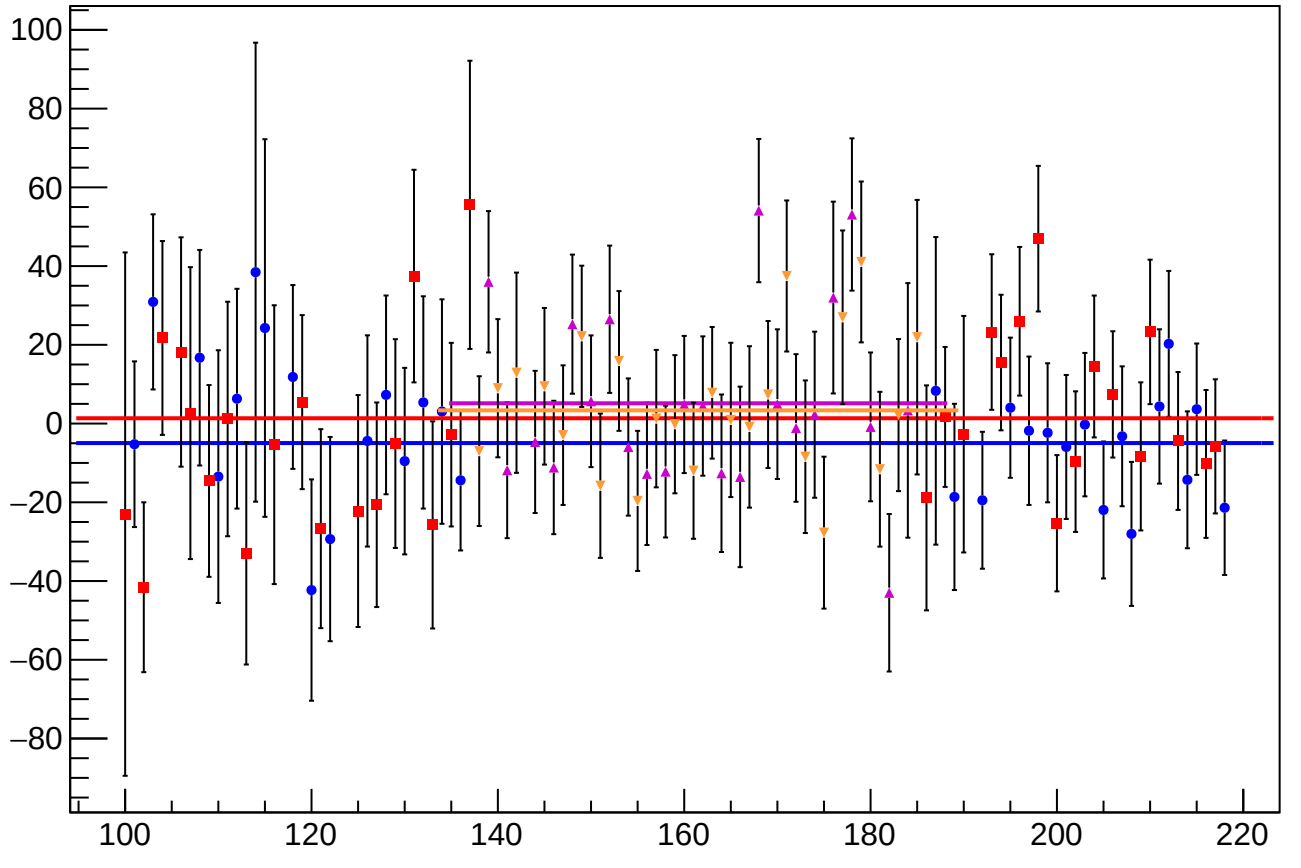
Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

Right: 171.427+/-0.020 χ^2/NDF: 5274903.5/65

In: 176.140+/-0.021 χ^2/NDF:4030180.5/54

Out: 181.080+/-0.022 χ^2/NDF:4989730.9/57

All: 178.537+/-0.015 χ^2/NDF: 9046972.7/112



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: 1.347+/-3.785 χ^2/NDF: 30.8/33

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

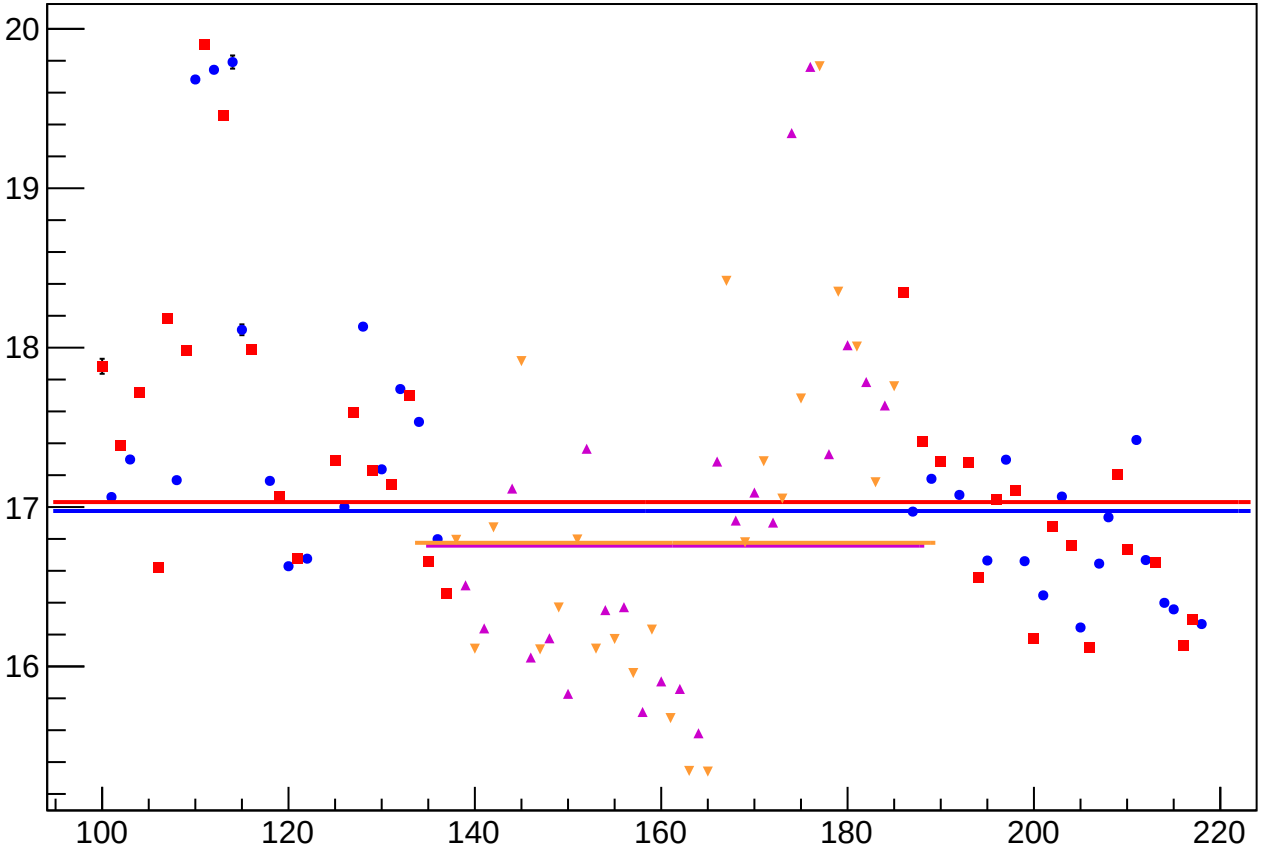
Right: -1.804+/-2.675 χ^2/NDF: 48.2/65

In: -0.086+/-2.723 χ^2/NDF:51.7/54

Out: 2.322+/-2.718 χ^2/NDF:48.6/57

All: 1.120+/-1.924 χ^2/NDF: 100.7/112

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: 17.031+/-0.003 χ^2/NDF: 75620.7/33

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

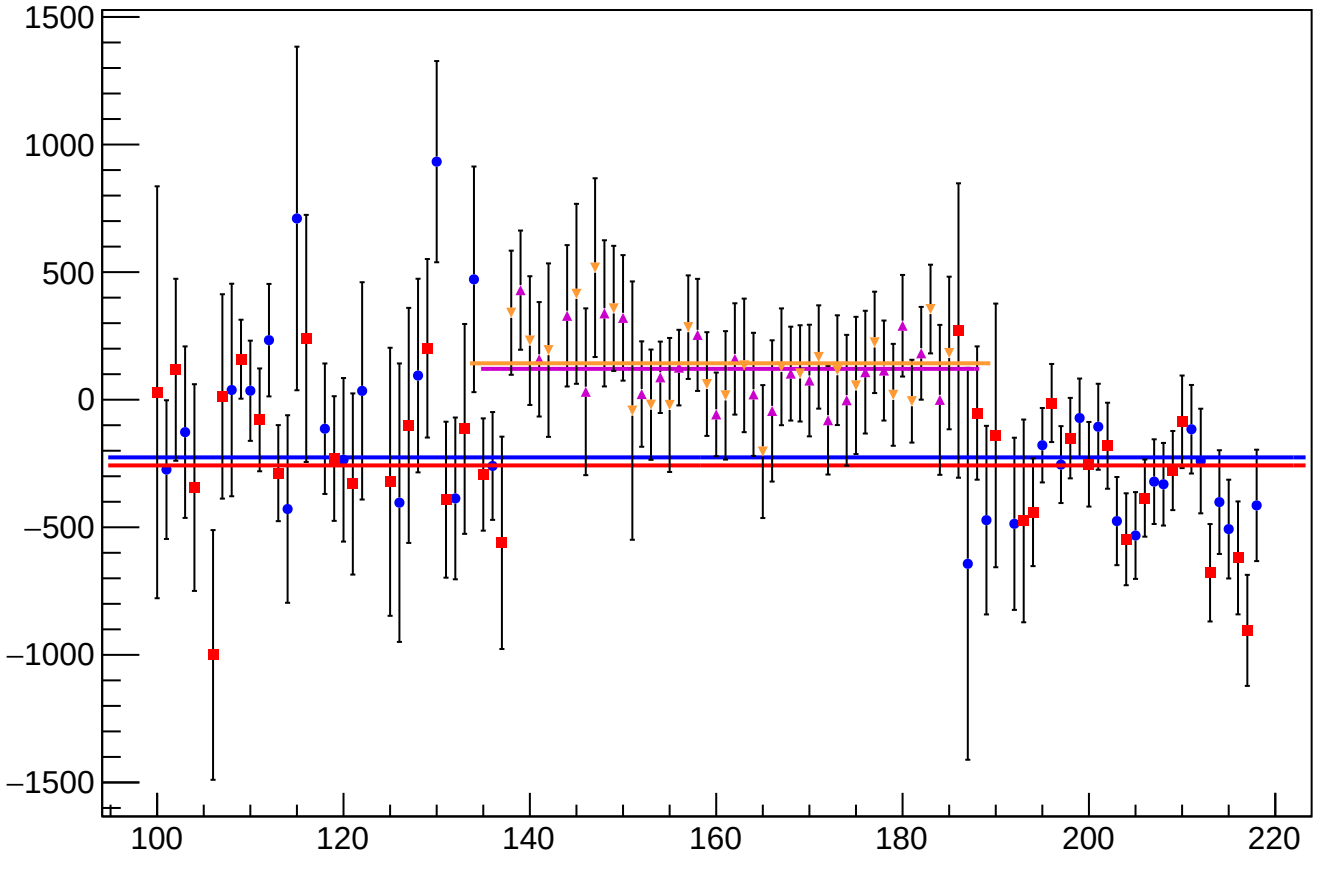
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.003+/-0.002 χ^2/NDF: 141777.4/65

In: 16.871+/-0.002 χ^2/NDF:192430.2/54

Out: 16.907+/-0.002 χ^2/NDF:216180.0/57

All: 16.889+/-0.001 χ^2/NDF: 408794.4/112



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: -257.537+/-39.868 χ^2/NDF: 42.3/33

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

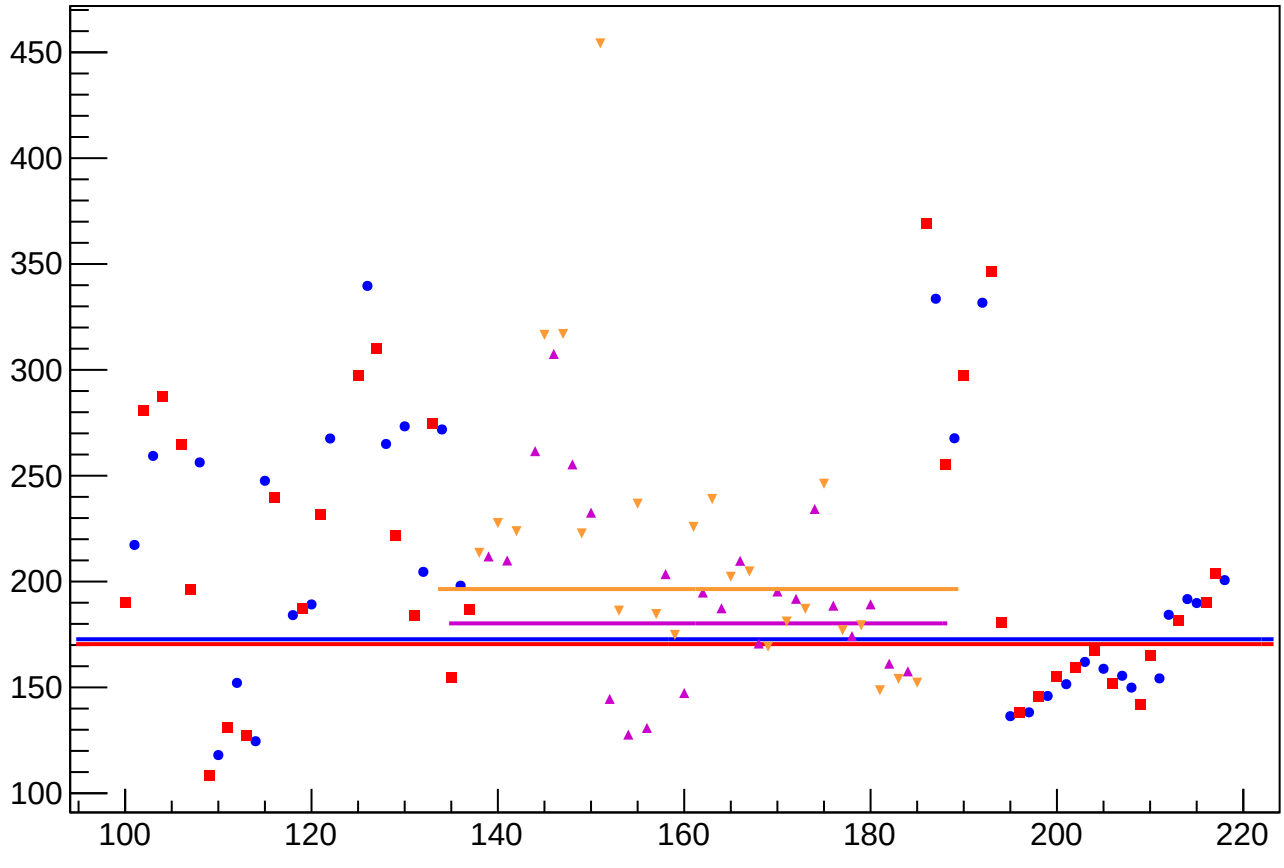
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -241.816+/-28.222 χ^2/NDF: 77.3/65

In: -69.216+/-29.578 χ^2/NDF:77.0/54

Out: -91.249+/-30.481 χ^2/NDF:94.3/57

All: -79.901+/-21.227 χ^2/NDF: 171.6/112



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: 170.441+/-0.028 χ^2/NDF: 2846674.4/33

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

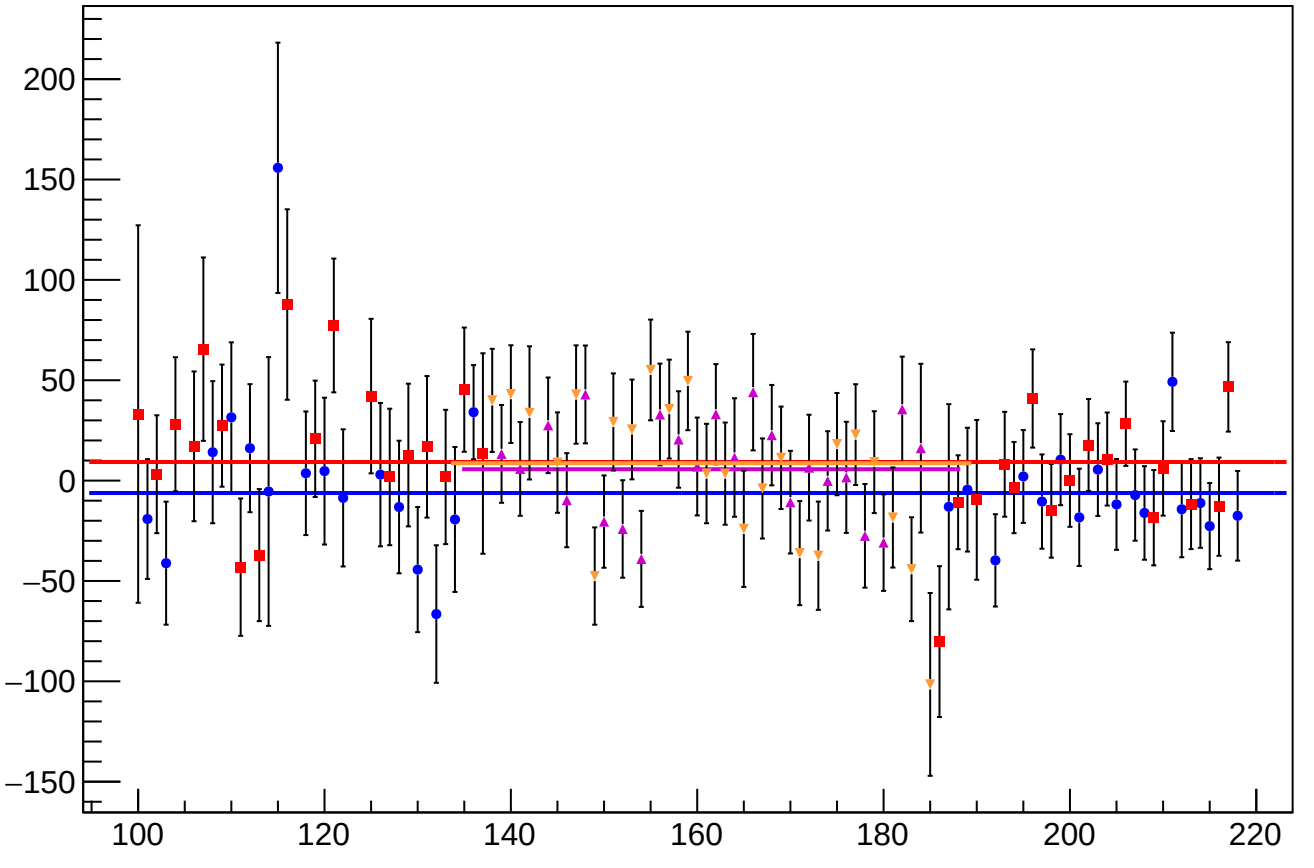
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 171.595+/-0.020 χ^2/NDF: 5204334.5/65

In: 176.142+/-0.021 χ^2/NDF:4013867.9/54

Out: 181.248+/-0.022 χ^2/NDF:4923910.2/57

All: 178.618+/-0.015 χ^2/NDF: 8966685.4/112



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: 9.276+/-4.910 χ^2/NDF: 32.7/33

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

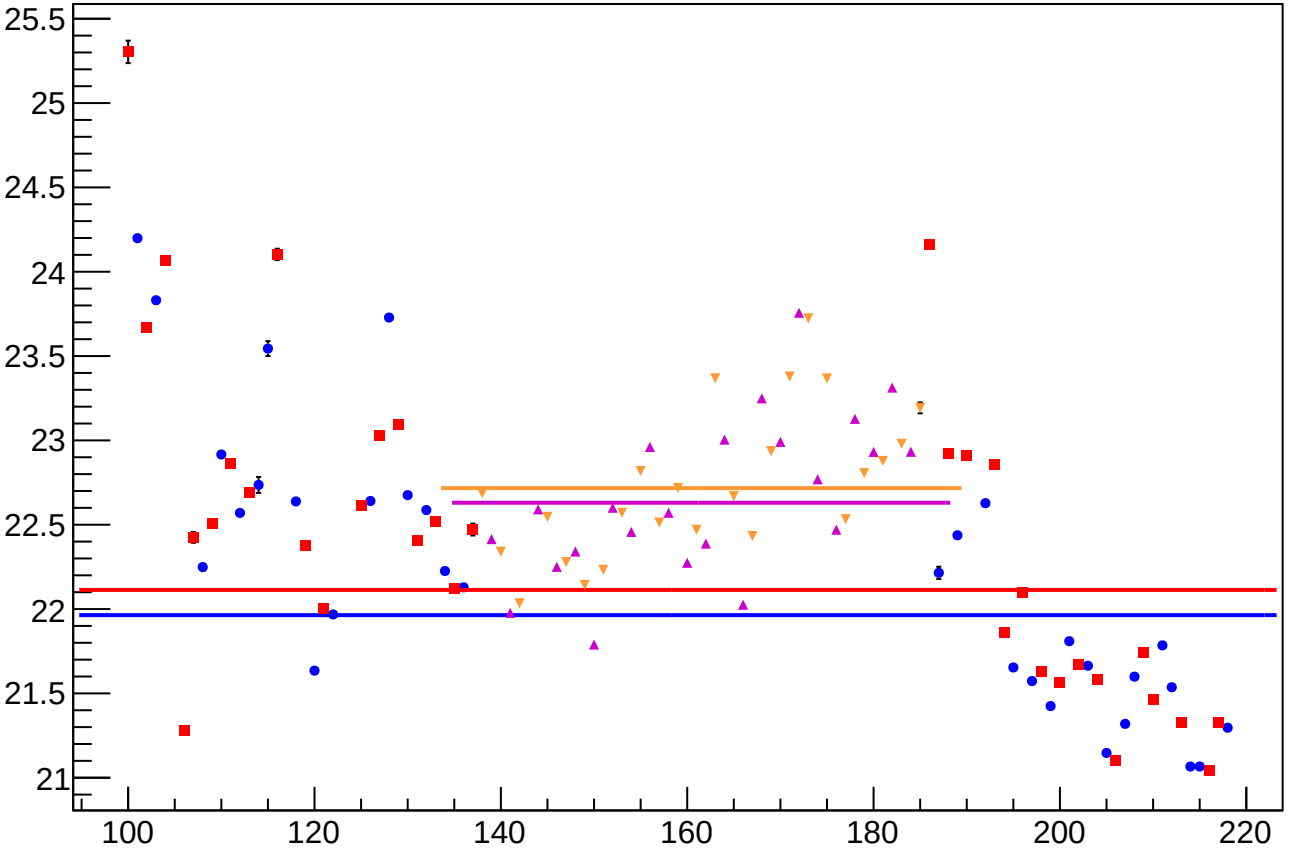
Right: 1.514+/-3.464 χ^2/NDF: 65.5/65

In: -0.719+/-3.589 χ^2/NDF:51.3/54

Out: 8.992+/-3.594 χ^2/NDF:71.9/57

All: 4.130+/-2.540 χ^2/NDF: 126.8/112

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: 22.113+/-0.003 χ^2/NDF: 55570.3/33

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

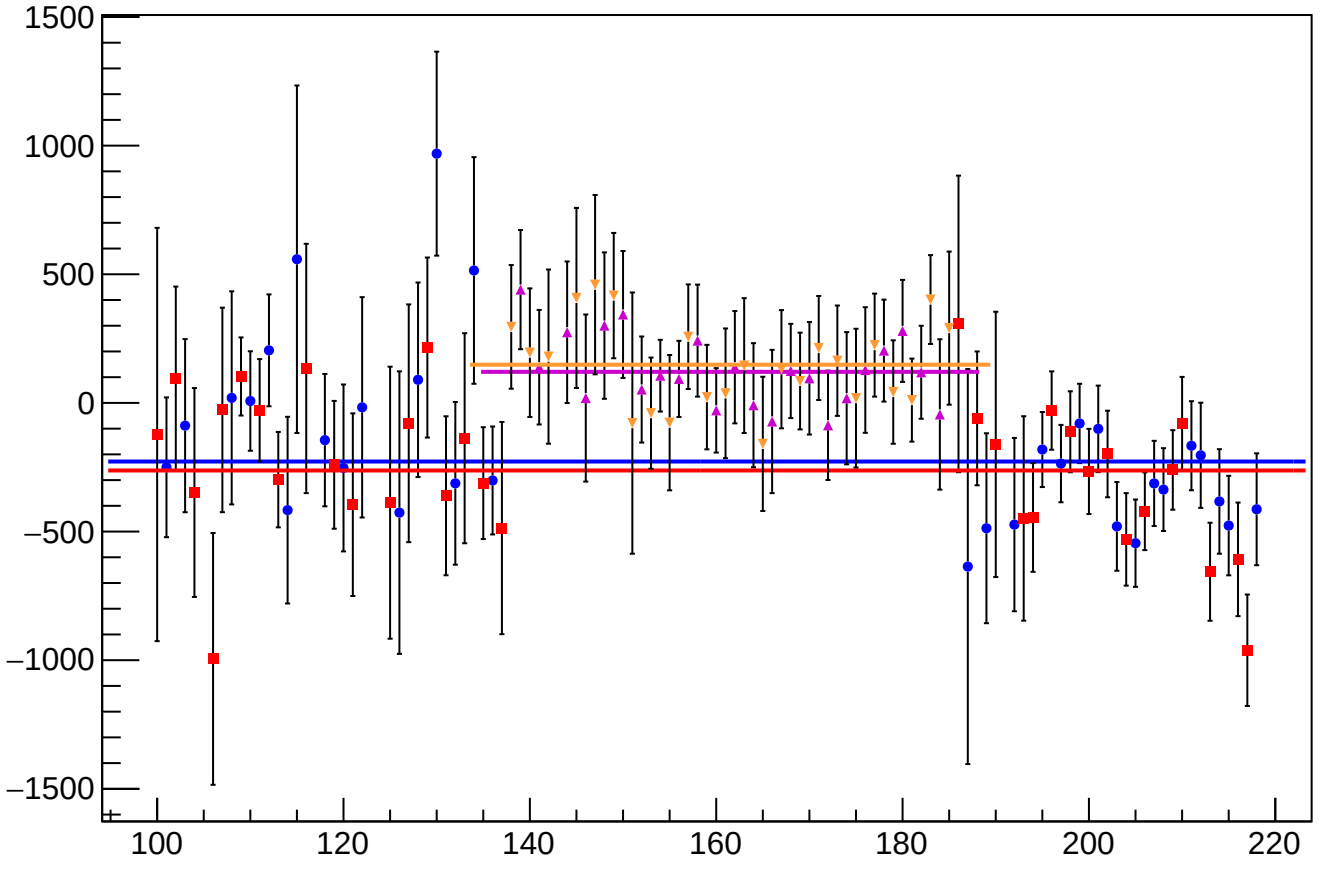
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.038+/-0.002 χ^2/NDF: 106920.0/65

In: 22.271+/-0.003 χ^2/NDF:82949.7/54

Out: 22.394+/-0.003 χ^2/NDF:81776.1/57

All: 22.332+/-0.002 χ^2/NDF: 165886.3/112



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: -262.623+/-39.704 χ^2/NDF: 41.8/33

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

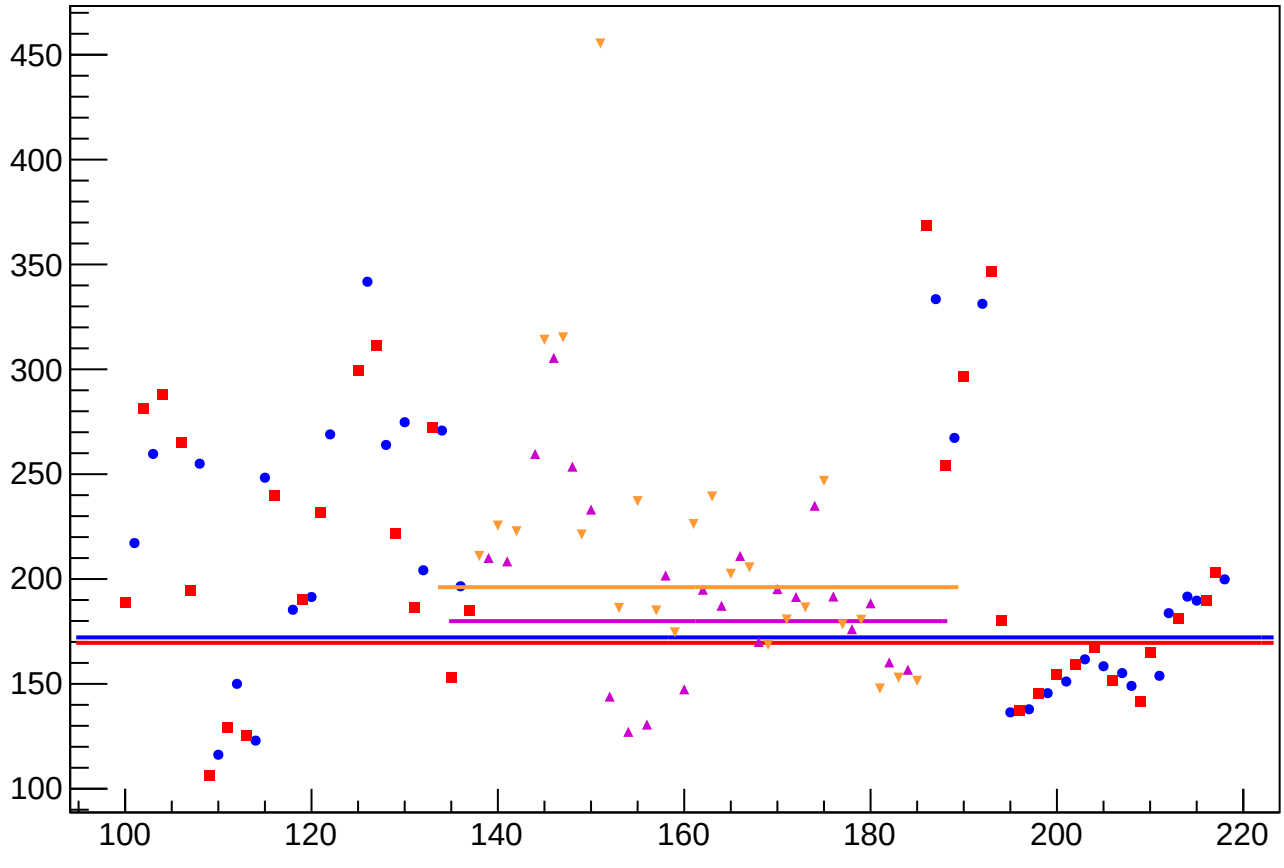
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -245.267+/-28.123 χ^2/NDF: 75.5/65

In: -70.450+/-29.509 χ^2/NDF:75.7/54

Out: -92.346+/-30.388 χ^2/NDF:97.1/57

All: -81.077+/-21.170 χ^2/NDF: 173.1/112



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: 169.577+/-0.028 χ^2/NDF: 2915877.1/33

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

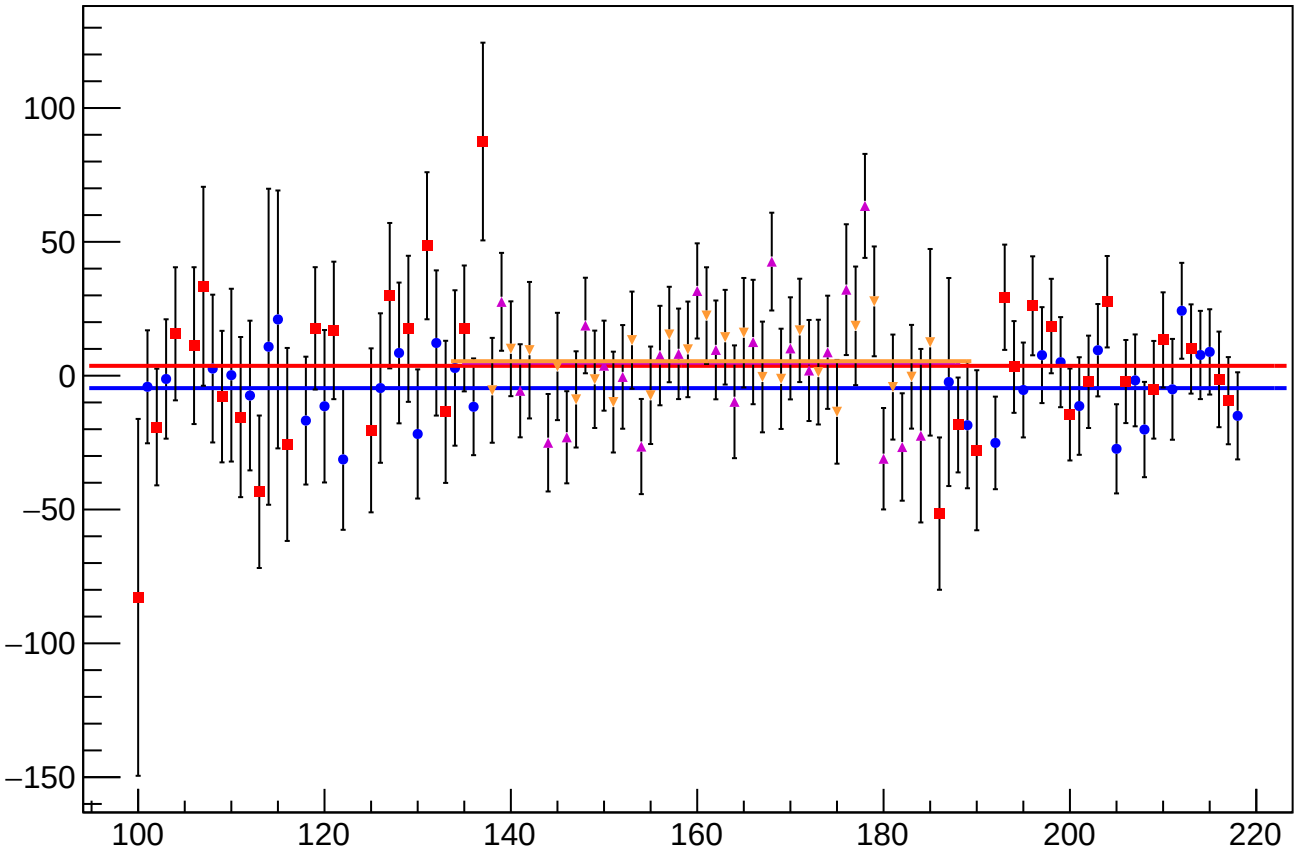
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 170.872+/-0.020 χ^2/NDF: 5306768.7/65

In: 175.673+/-0.021 χ^2/NDF:4044901.7/54

Out: 180.569+/-0.021 χ^2/NDF:5012216.0/57

All: 178.050+/-0.015 χ^2/NDF: 9083835.6/112



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: 3.676+/-3.733 χ^2/NDF: 33.8/33

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

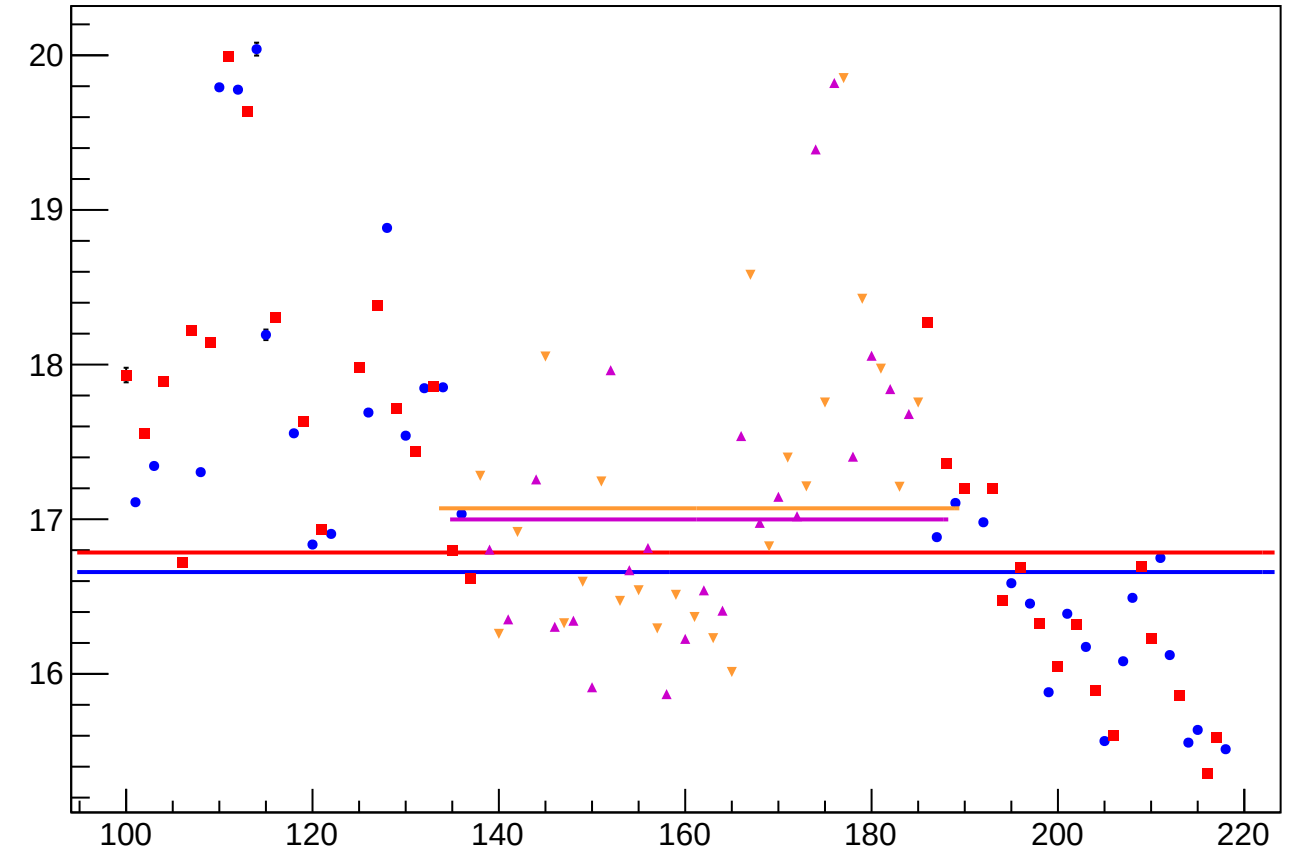
Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

Right: -0.508+/-2.633 χ^2/NDF: 49.8/65

In: -0.225+/-2.715 χ^2/NDF:52.0/54

Out: 4.488+/-2.720 χ^2/NDF:41.7/57

All: 2.127+/-1.922 χ^2/NDF: 95.3/112



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: 16.785+/-0.003 χ^2/NDF: 147100.9/33

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

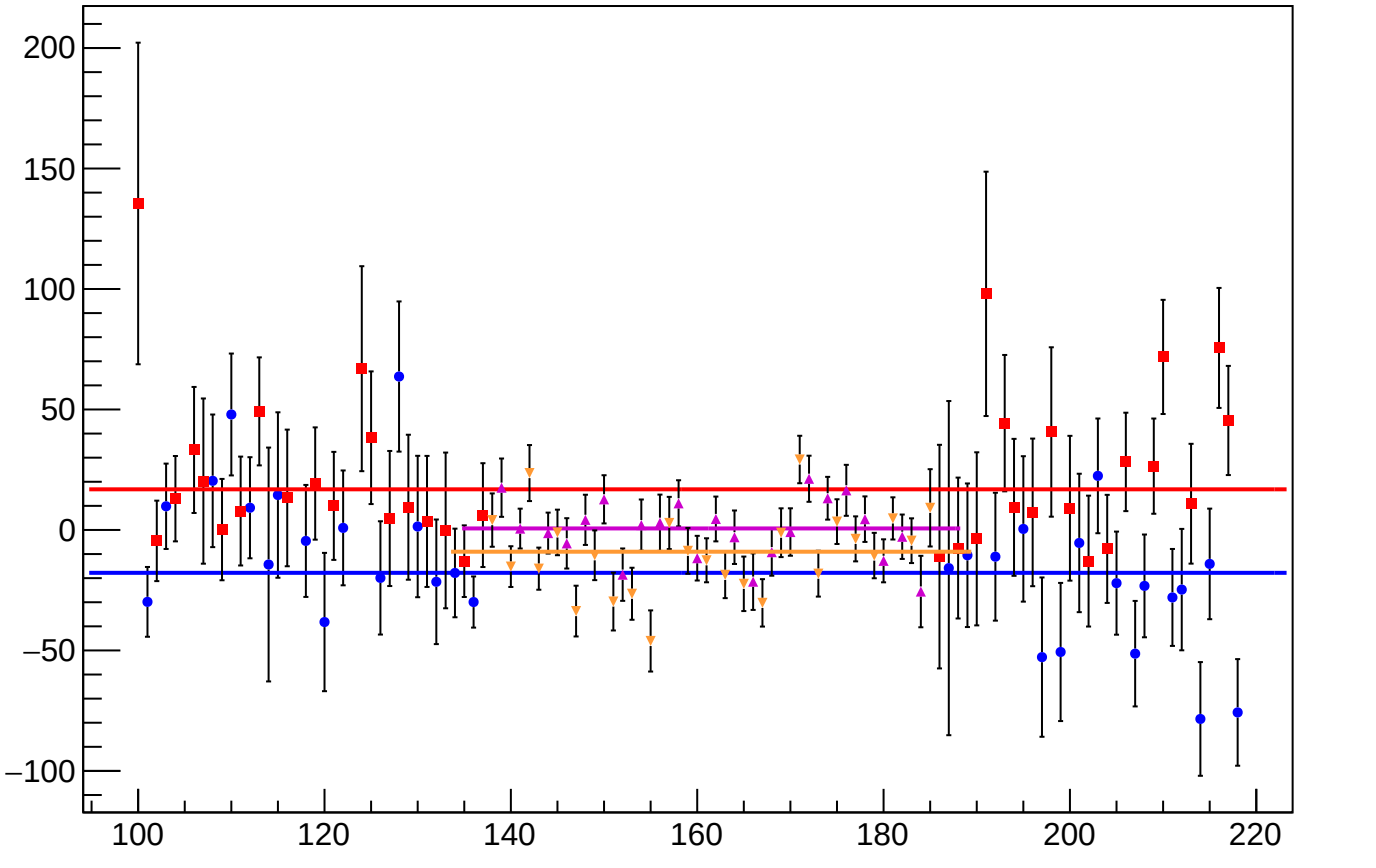
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

Right: 16.721+/-0.002 χ^2/NDF: 283381.9/65

In: 16.817+/-0.002 χ^2/NDF:246963.1/54

Out: 16.919+/-0.002 χ^2/NDF:248913.1/57

All: 16.868+/-0.001 χ^2/NDF: 497287.6/112



Right In: -17.791+/-4.024 χ^2/NDF: 46.6/31

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: 16.863+/-4.175 χ^2/NDF: 36.4/35

Left In: 0.628+/-2.079 χ^2/NDF:29.5/22

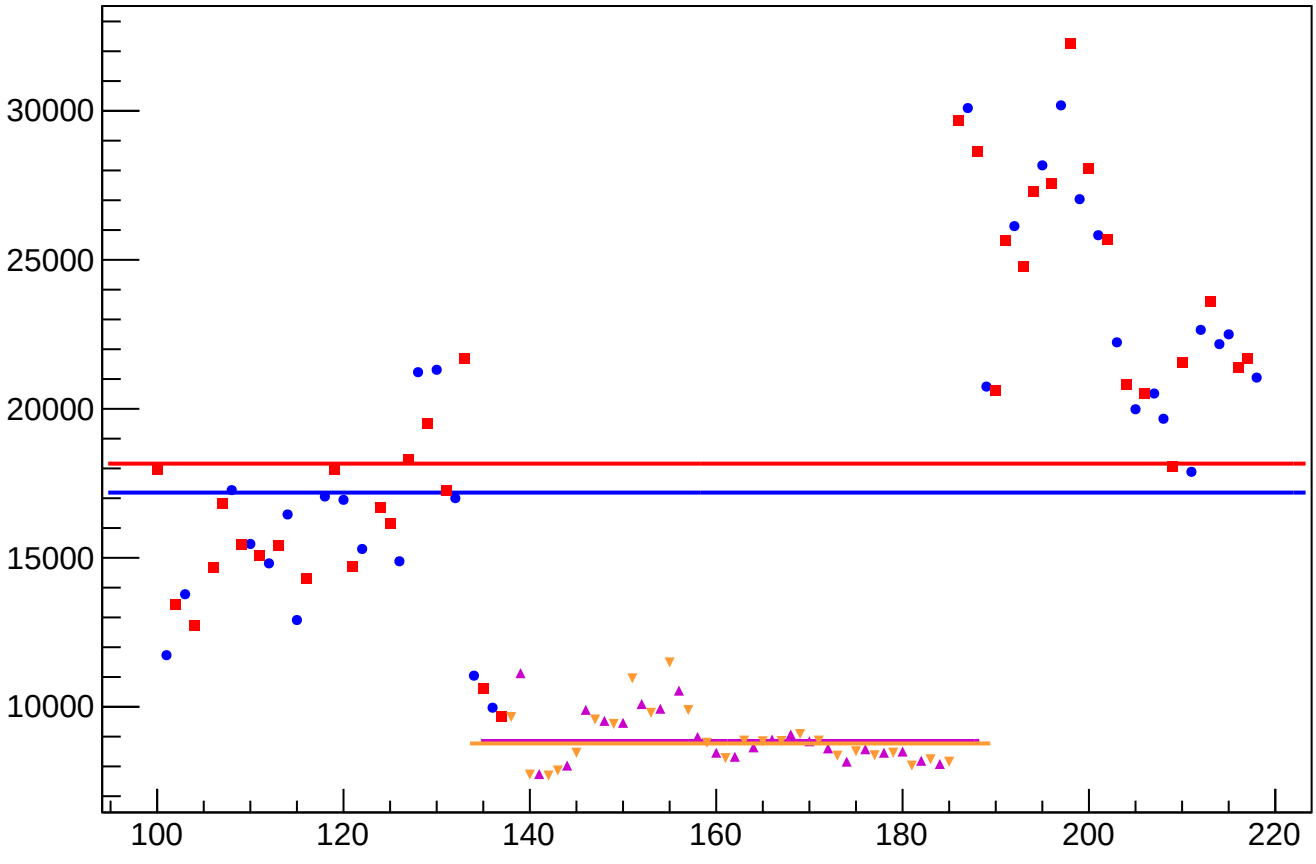
Left: -4.372+/-1.444 χ^2/NDF: 102.7/47

Right: -1.102+/-2.897 χ^2/NDF: 118.7/67

In: -3.253+/-1.847 χ^2/NDF:92.7/54

Out: -4.170+/-1.808 χ^2/NDF:129.6/60

All: -3.721+/-1.292 χ^2/NDF: 222.4/115



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: 18161.207+/-2.952 χ^2/NDF: 3341826.6/35

Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

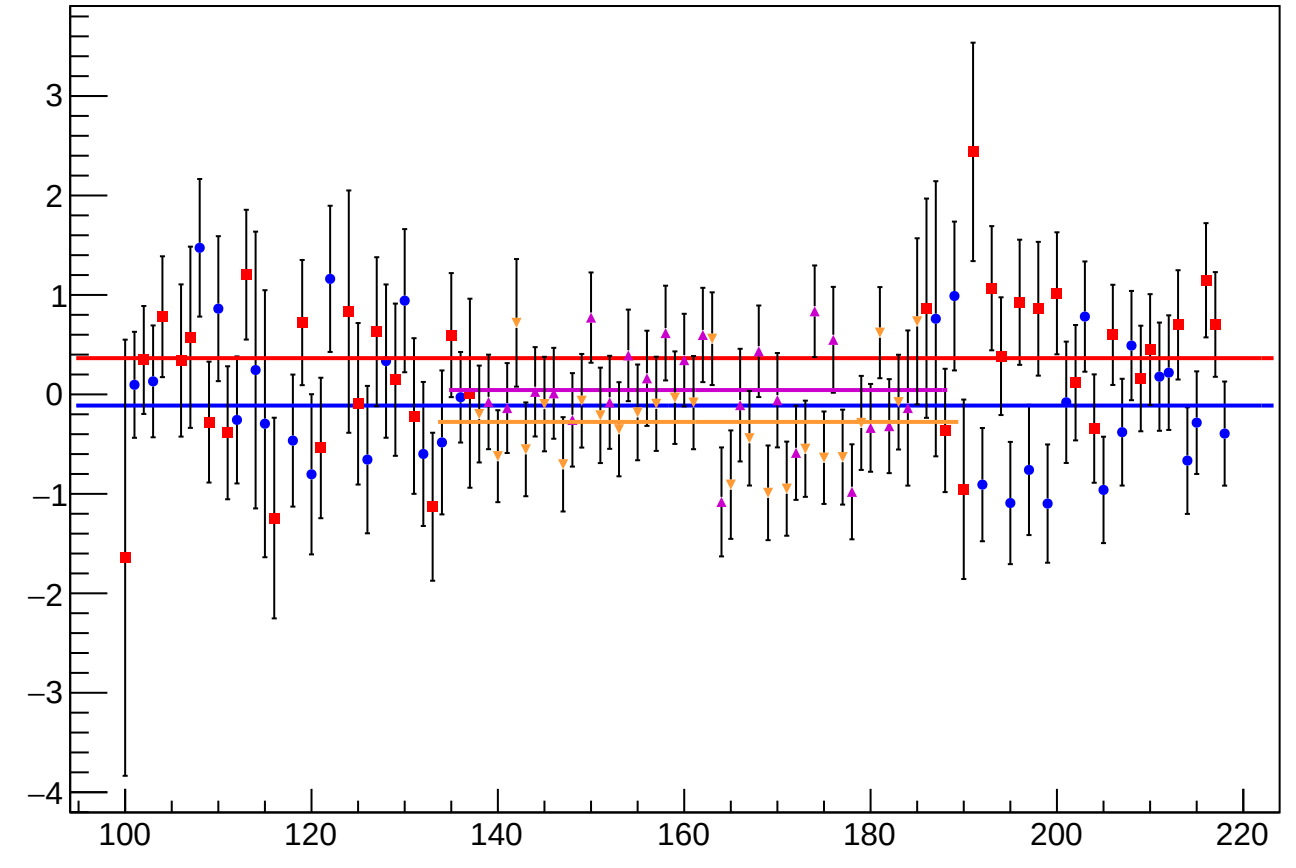
Left: 8810.105+/-1.021 χ^2/NDF: 646671.0/47

Right: 17657.358+/-2.049 χ^2/NDF: 6942238.6/67

In: 10609.539+/-1.306 χ^2/NDF:10618825.6/54

Out: 10532.306+/-1.279 χ^2/NDF:11907248.6/60

All: 10570.102+/-0.914 χ^2/NDF: 22527859.4



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: 0.364+/-0.112 χ^2/NDF: 31.4/35

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

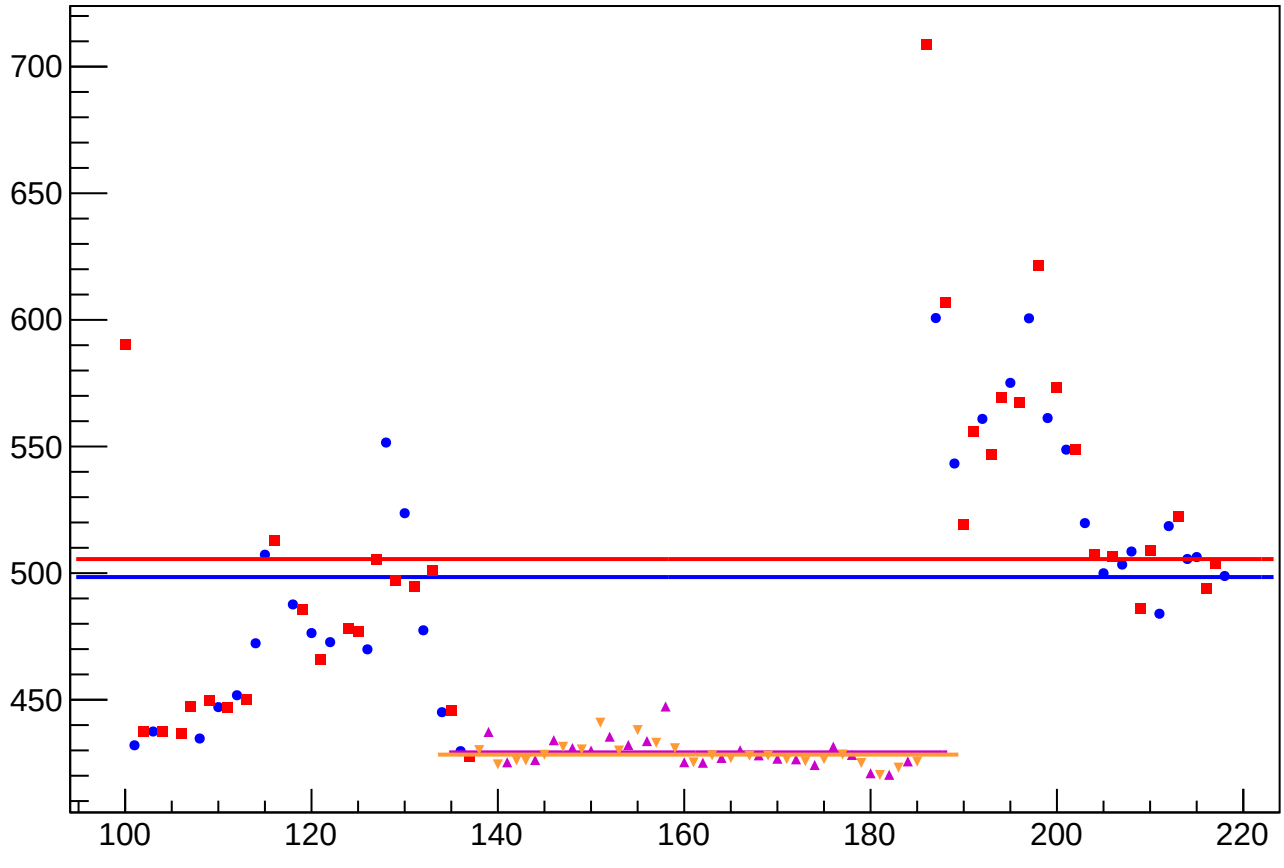
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.125+/-0.079 χ^2/NDF: 75.2/67

In: -0.026+/-0.075 χ^2/NDF:59.6/54

Out: -0.000+/-0.073 χ^2/NDF:71.1/60

All: -0.013+/-0.052 χ^2/NDF: 130.8/115



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: 505.549+/-0.079 χ^2/NDF: 452617.4/35

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

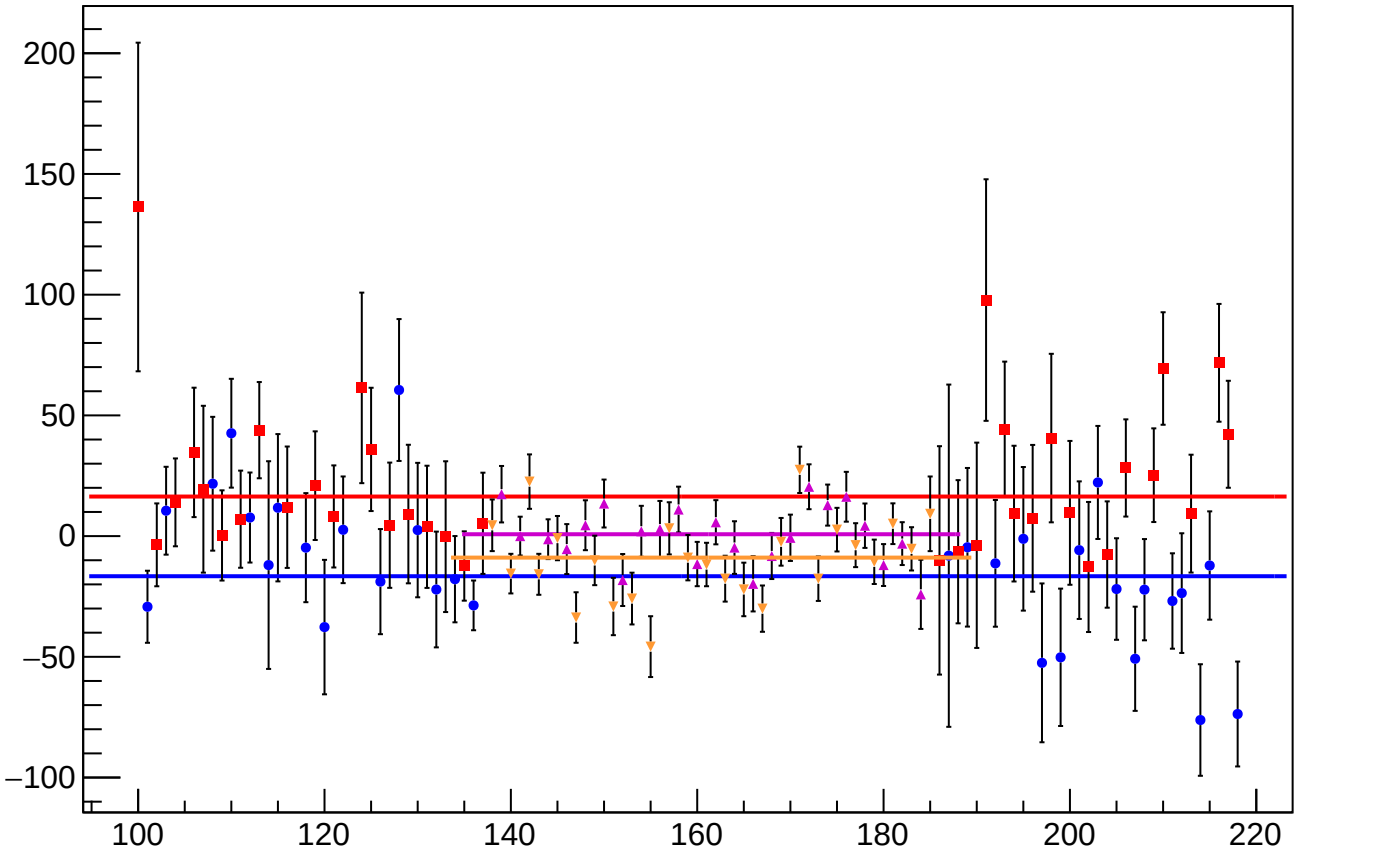
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

Right: 501.988+/-0.056 χ^2/NDF: 793628.6/67

In: 460.204+/-0.053 χ^2/NDF:770554.1/54

Out: 461.650+/-0.052 χ^2/NDF:999824.7/60

All: 460.938+/-0.037 χ^2/NDF: 1770761.3/115



Right In: -16.617+/-3.916 χ^2/NDF: 47.3/31

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: 16.388+/-4.048 χ^2/NDF: 35.2/35

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

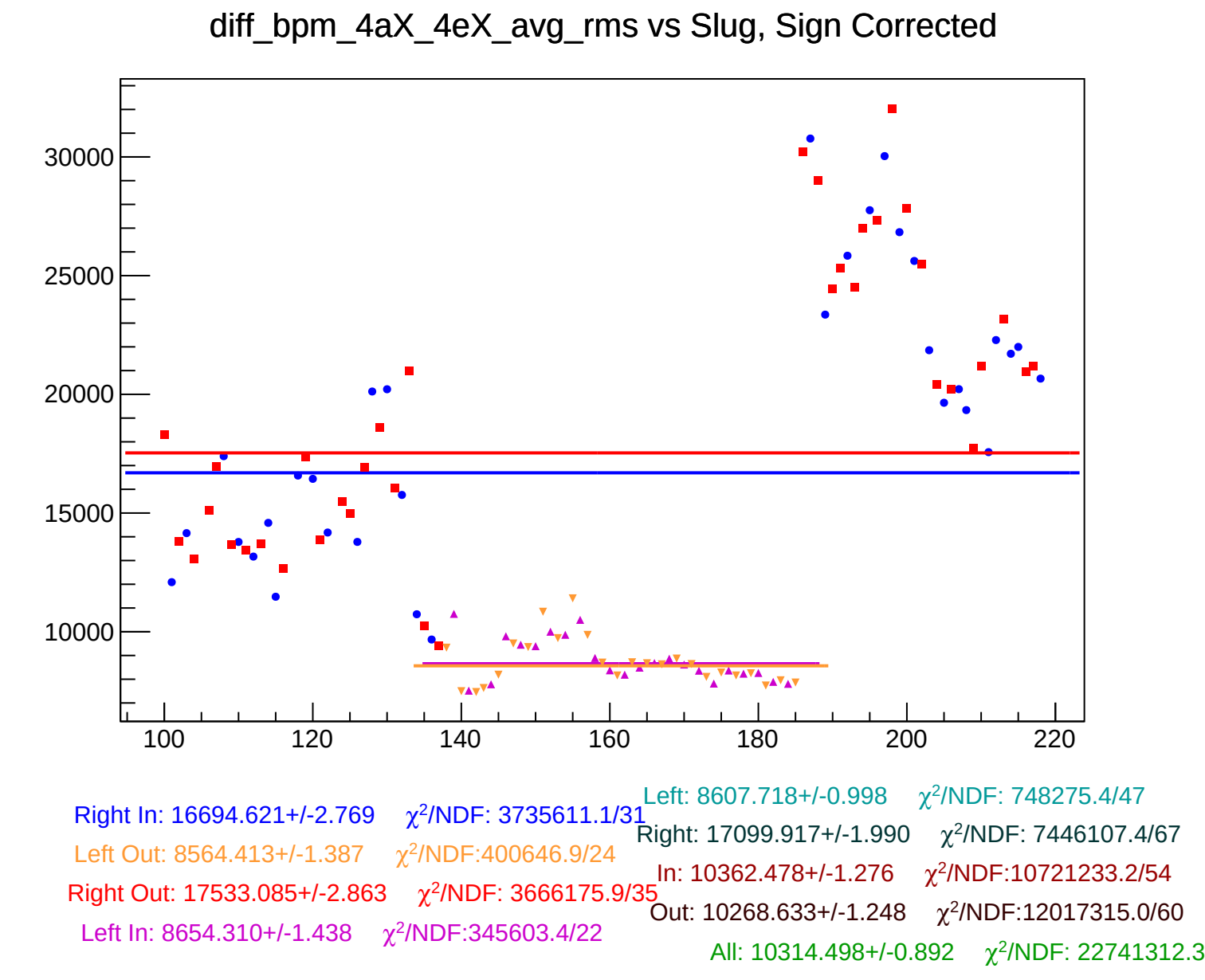
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

Right: -0.663+/-2.815 χ^2/NDF: 116.8/67

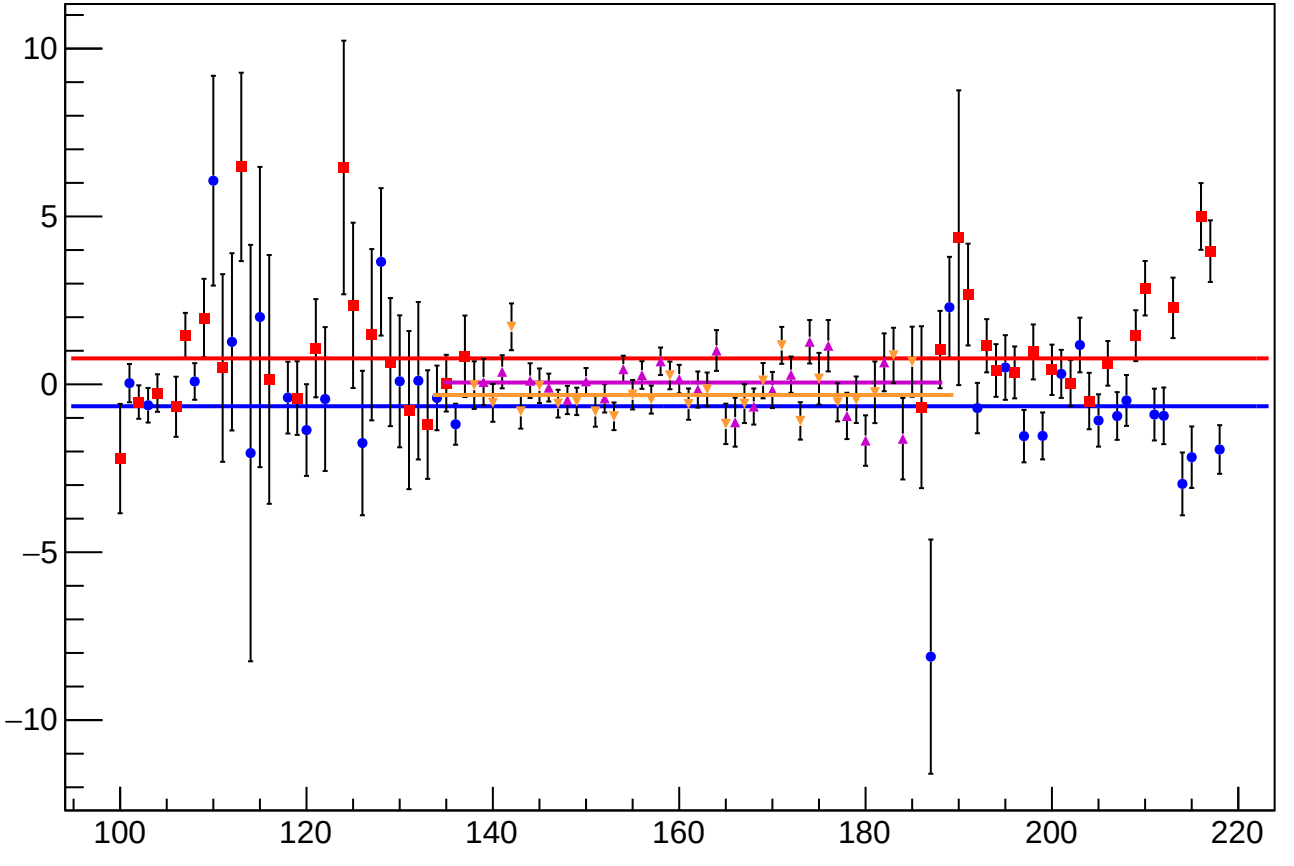
In: -2.922+/-1.805 χ^2/NDF:92.1/54

Out: -4.098+/-1.765 χ^2/NDF:128.3/60

All: -3.523+/-1.262 χ^2/NDF: 220.6/115


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16694.621+/-2.769 χ²/NDF: 3735611.1/31
Left Out: 8564.413+/-1.387 χ²/NDF:400646.9/24
Right Out: 17533.085+/-2.863 χ²/NDF: 3666175.9/35
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
Left: 8607.718+/-0.998 χ²/NDF: 748275.4/47
Right: 17099.917+/-1.990 χ²/NDF: 7446107.4/67
In: 10362.478+/-1.276 χ²/NDF:10721233.2/54
Out: 10268.633+/-1.248 χ²/NDF:12017315.0/60
All: 10314.498+/-0.892 χ²/NDF: 22741312.3

diff_bpm_4aX_4eX_dd_mean vs Slug, Sign Corrected



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: 0.773+/-0.160 χ^2/NDF: 76.7/35

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

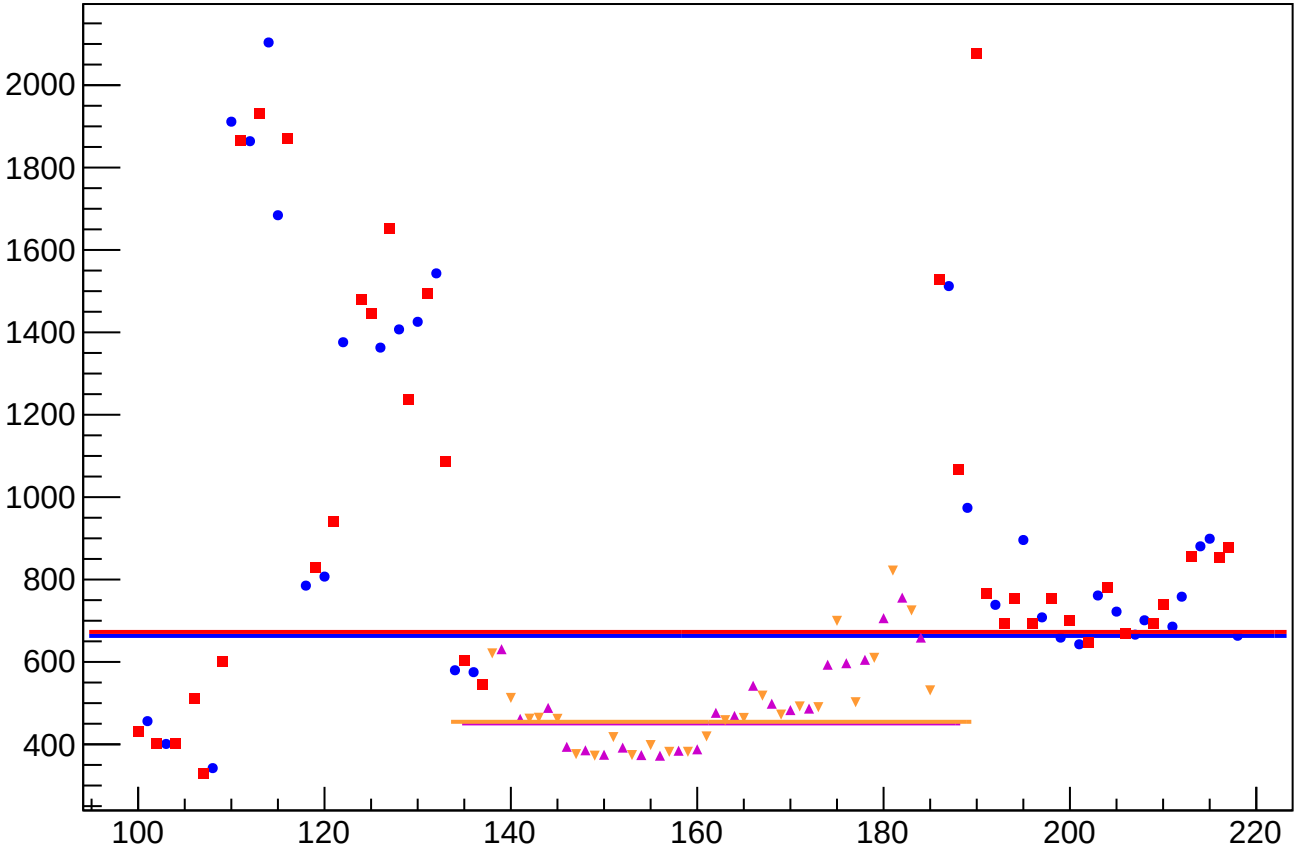
Right: 0.050+/-0.113 χ^2/NDF: 163.4/67

In: -0.171+/-0.089 χ^2/NDF:90.1/54

Out: 0.014+/-0.088 χ^2/NDF:141.1/60

All: -0.078+/-0.063 χ^2/NDF: 233.4/115

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



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: 672.850+/-0.113 χ^2/NDF: 5002744.5/35

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

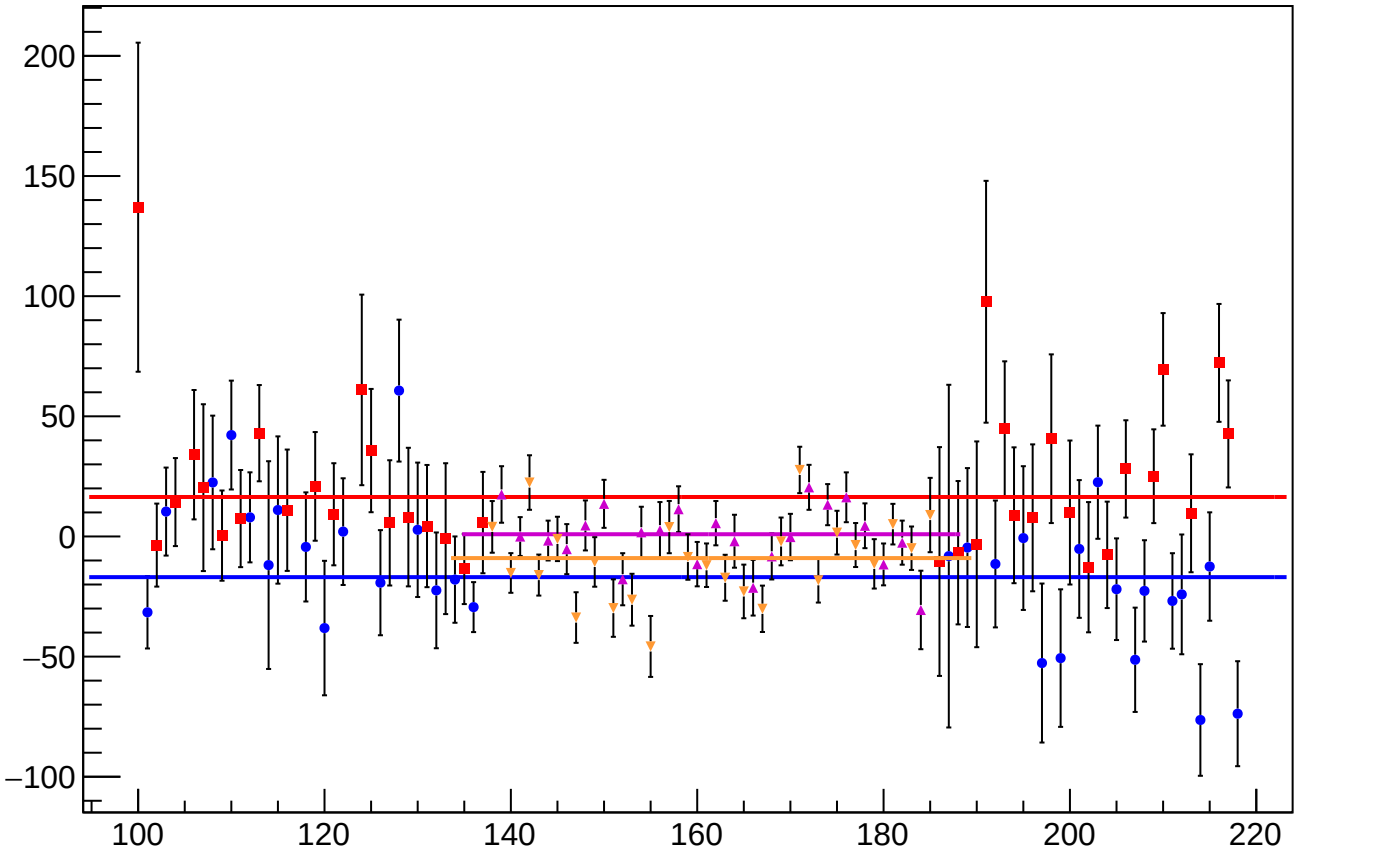
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

Right: 667.934+/-0.080 χ^2/NDF: 9440106.0/67

In: 518.480+/-0.063 χ^2/NDF:8364975.2/54

Out: 520.940+/-0.063 χ^2/NDF:9027541.0/60

All: 519.721+/-0.044 χ^2/NDF: 17393283.0/11



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: 16.424+/-4.075 χ^2/NDF: 34.9/35

Left In: 0.925+/-2.056 χ^2/NDF:29.9/22

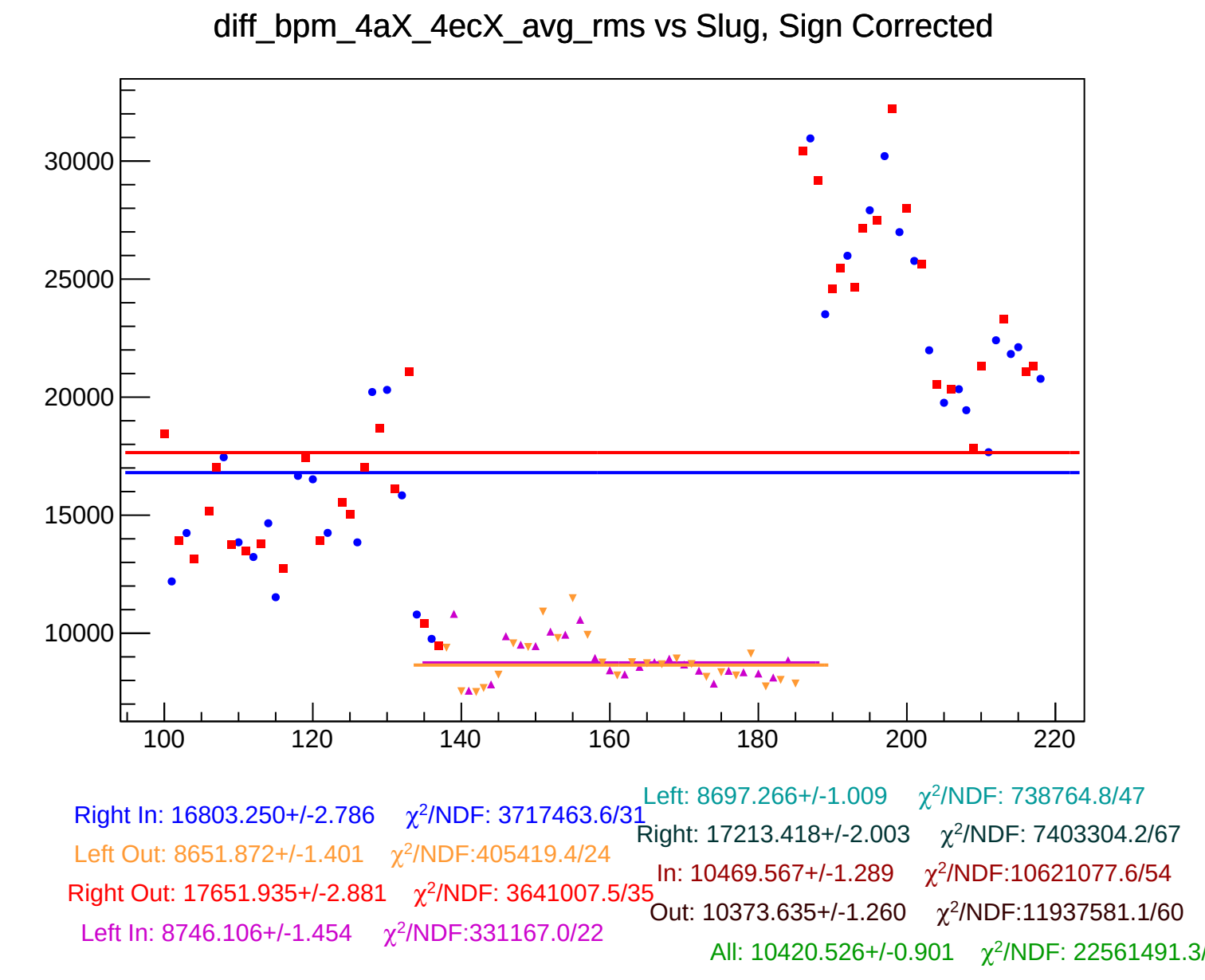
Left: -4.219+/-1.427 χ^2/NDF: 103.2/47

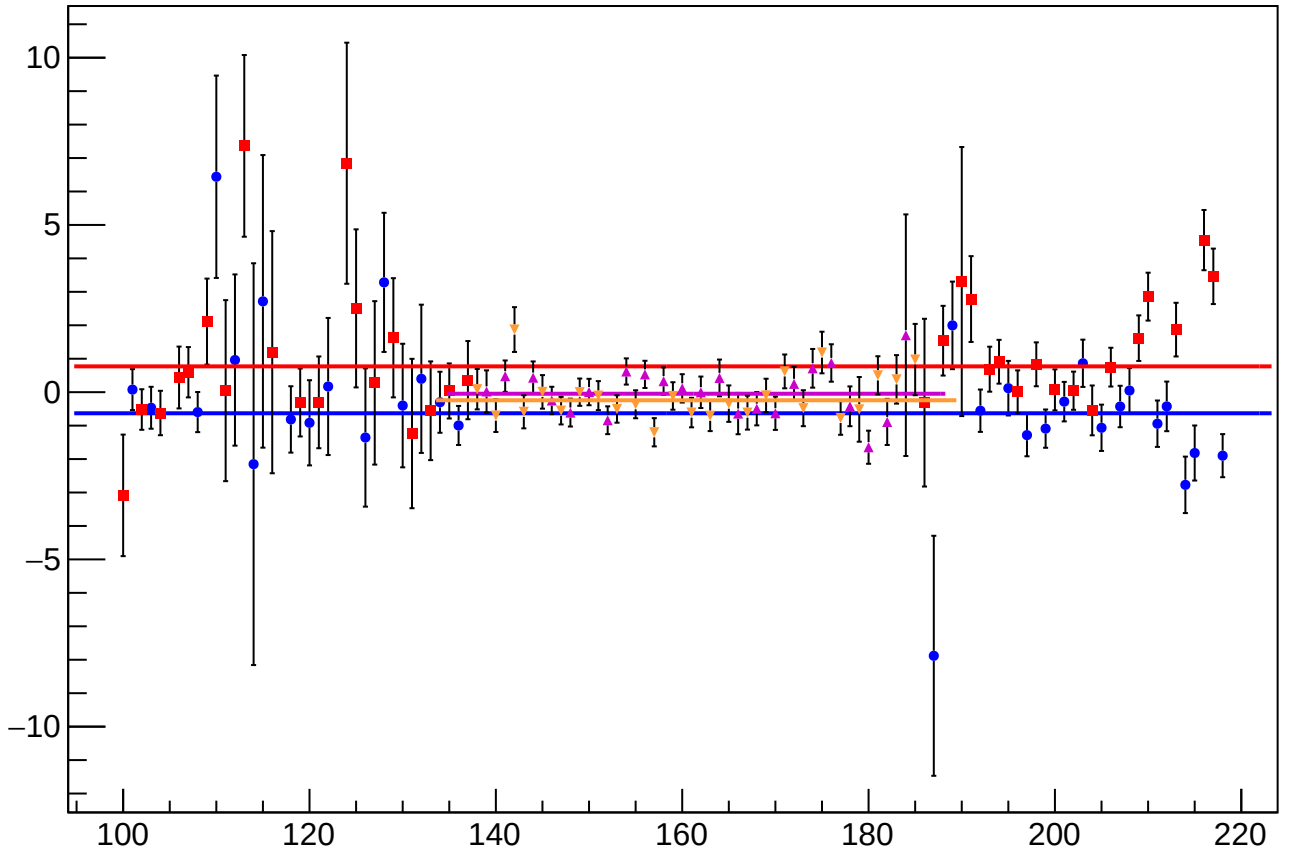
Right: -0.811+/-2.833 χ^2/NDF: 117.0/67

In: -2.894+/-1.823 χ^2/NDF:93.5/54

Out: -4.137+/-1.782 χ^2/NDF:127.7/60

All: -3.529+/-1.274 χ^2/NDF: 221.4/115


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16803.250+/-2.786 χ²/NDF: 3717463.6/31
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 17651.935+/-2.881 χ²/NDF: 3641007.5/35
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 17213.418+/-2.003 χ²/NDF: 7403304.2/67
In: 10469.567+/-1.289 χ²/NDF:10621077.6/54
Out: 10373.635+/-1.260 χ²/NDF:11937581.1/60
All: 10420.526+/-0.901 χ²/NDF: 22561491.3/



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: 0.772+/-0.150 χ^2/NDF: 79.8/35

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

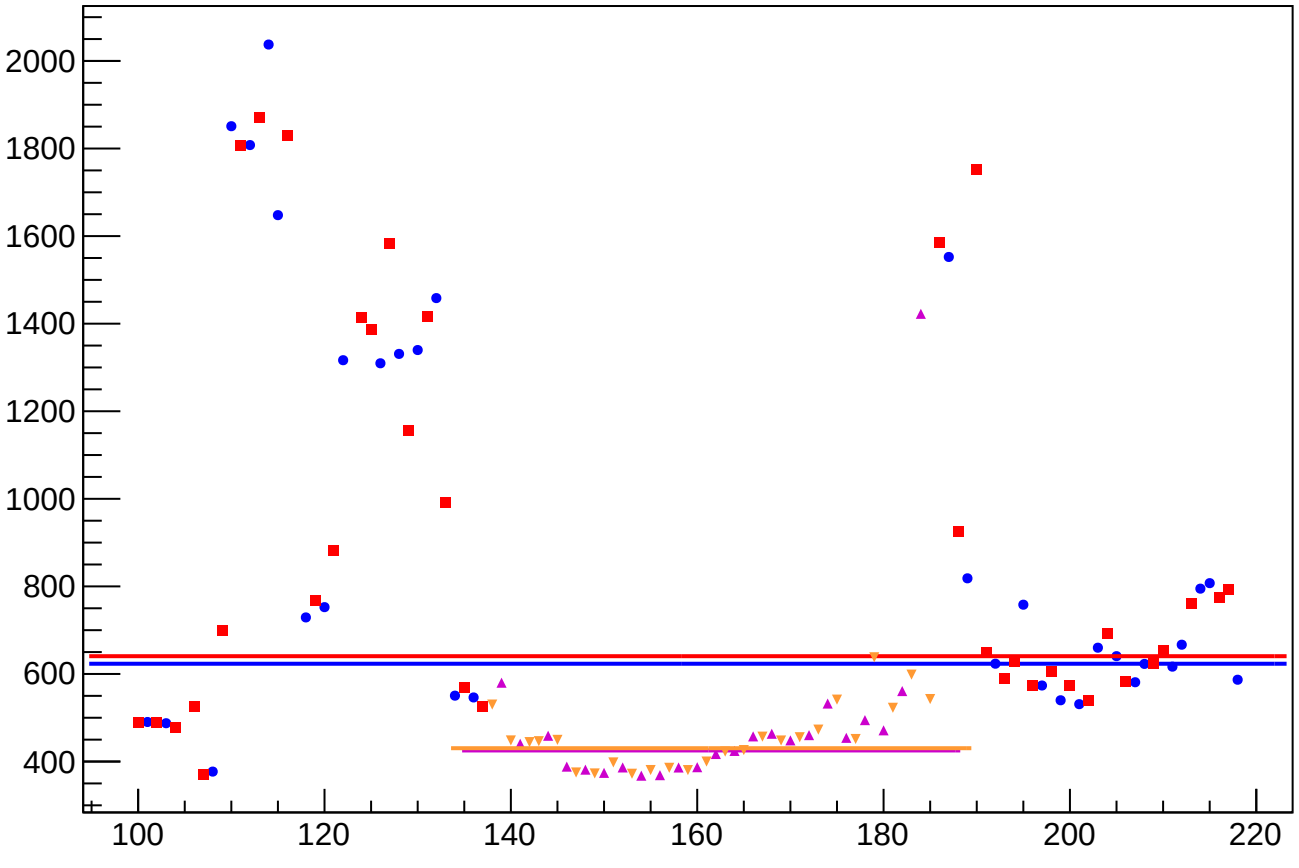
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

Right: 0.053+/-0.105 χ^2/NDF: 166.5/67

In: -0.236+/-0.084 χ^2/NDF:88.0/54

Out: 0.069+/-0.083 χ^2/NDF:145.5/60

All: -0.083+/-0.059 χ^2/NDF: 240.2/115



Right In: 623.338+/-0.104 χ^2/NDF: 3408695.6/31

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 640.581+/-0.106 χ^2/NDF: 3692398.9/35

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

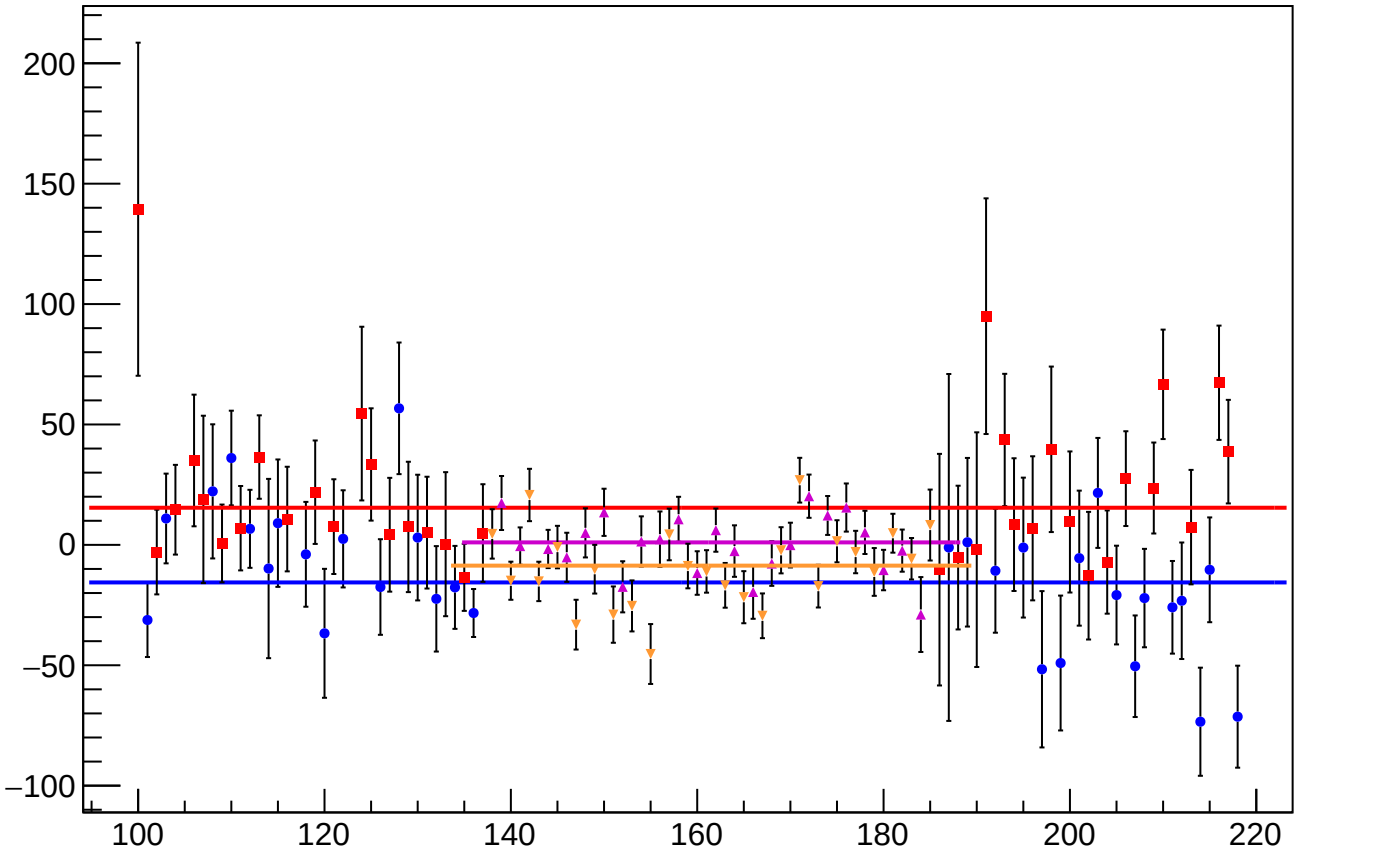
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

Right: 631.743+/-0.074 χ^2/NDF: 7114561.5/67

In: 489.488+/-0.059 χ^2/NDF:6588681.6/54

Out: 495.024+/-0.059 χ^2/NDF:7043697.3/60

All: 492.260+/-0.042 χ^2/NDF: 13636779.8/1



Right In: -15.602+/-3.762 χ^2/NDF: 48.5/31

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: 15.420+/-3.866 χ^2/NDF: 34.0/35

Left In: 1.027+/-1.987 χ^2/NDF:29.8/22

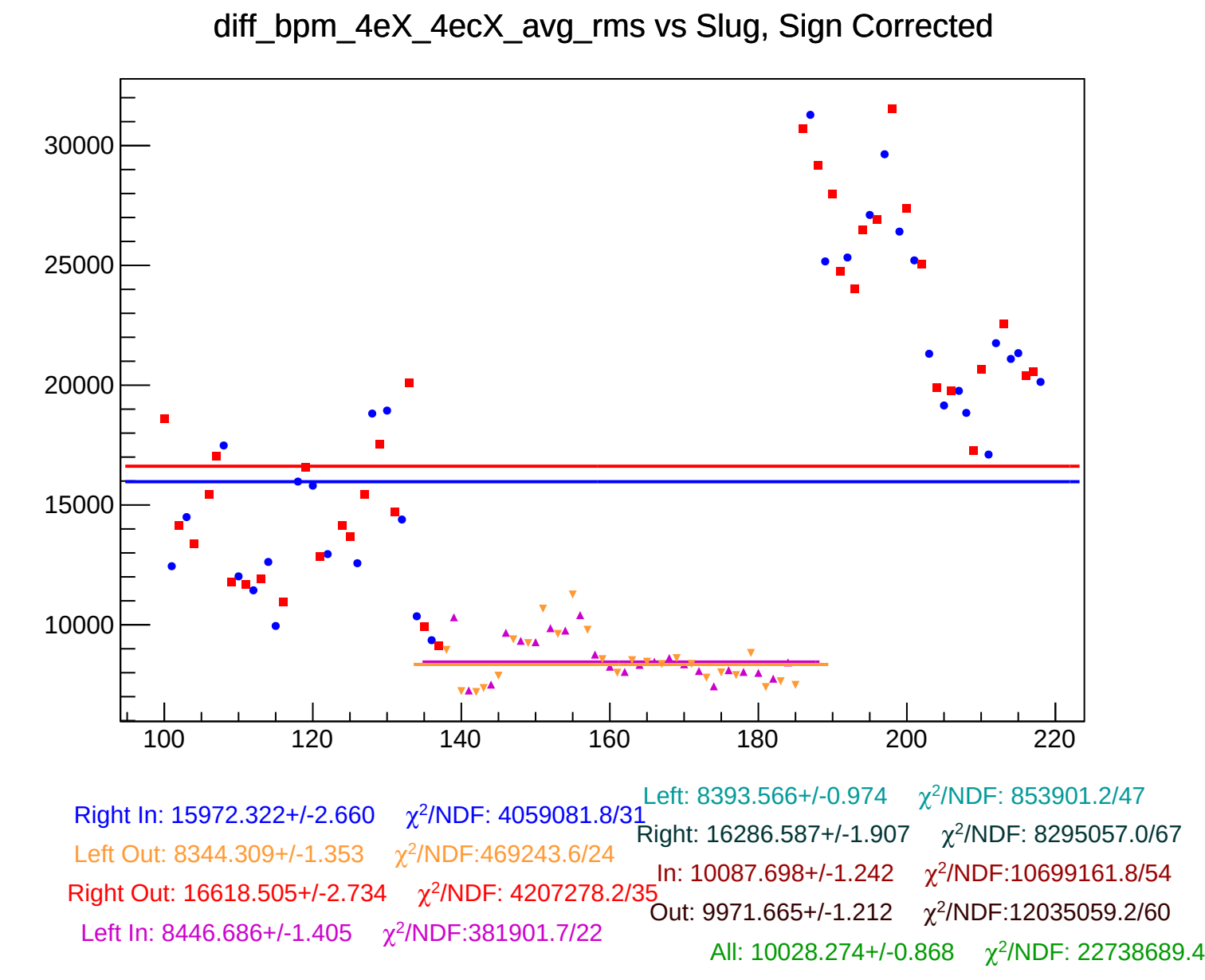
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

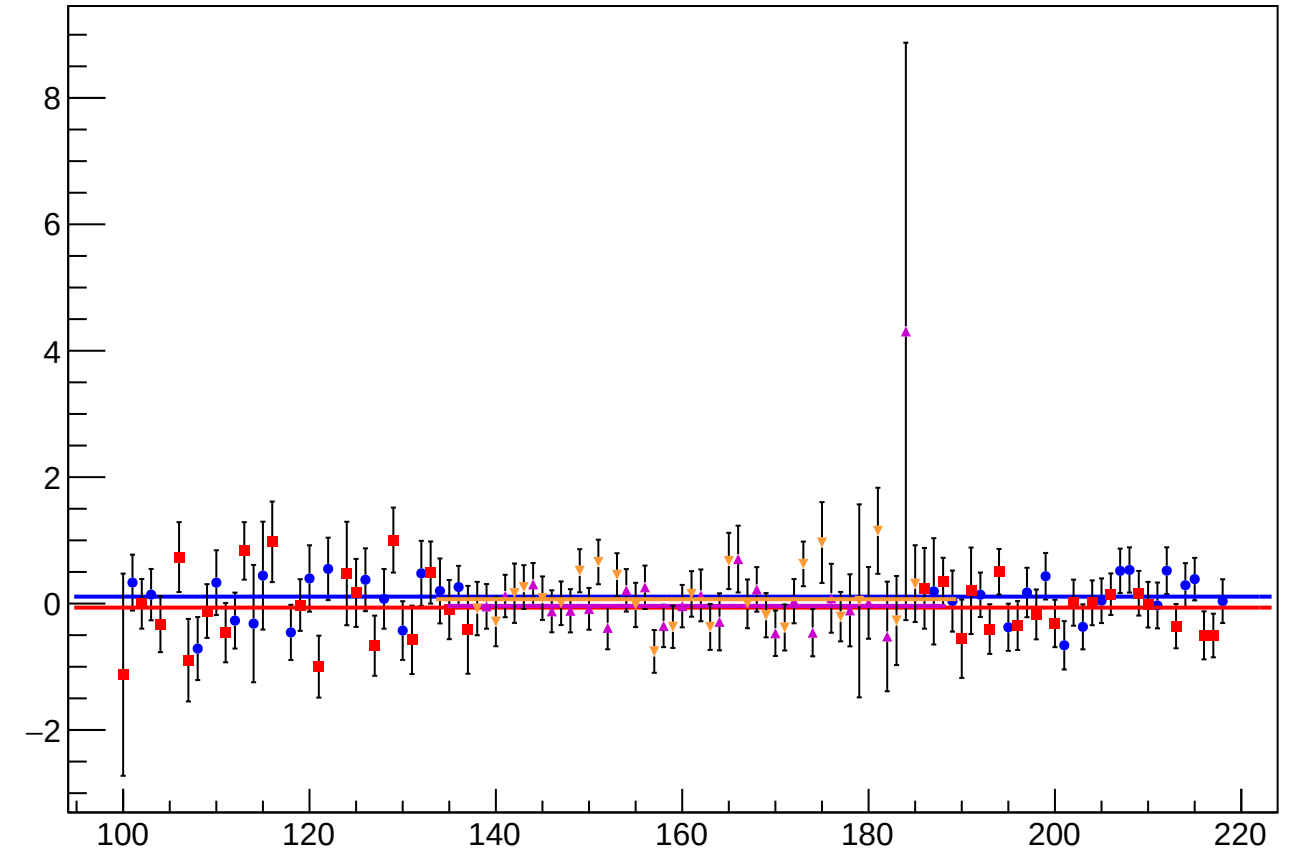
Right: -0.514+/-2.696 χ^2/NDF: 115.6/67

In: -2.599+/-1.757 χ^2/NDF:93.5/54

Out: -3.894+/-1.715 χ^2/NDF:126.7/60

All: -3.262+/-1.227 χ^2/NDF: 220.5/115


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: 16618.505+/-2.734 χ²/NDF: 4207278.2/35
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 16286.587+/-1.907 χ²/NDF: 8295057.0/67
In: 10087.698+/-1.242 χ²/NDF:10699161.8/54
Out: 9971.665+/-1.212 χ²/NDF:12035059.2/60
All: 10028.274+/-0.868 χ²/NDF: 22738689.4



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: -0.064+/-0.074 χ^2/NDF: 35.5/35

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

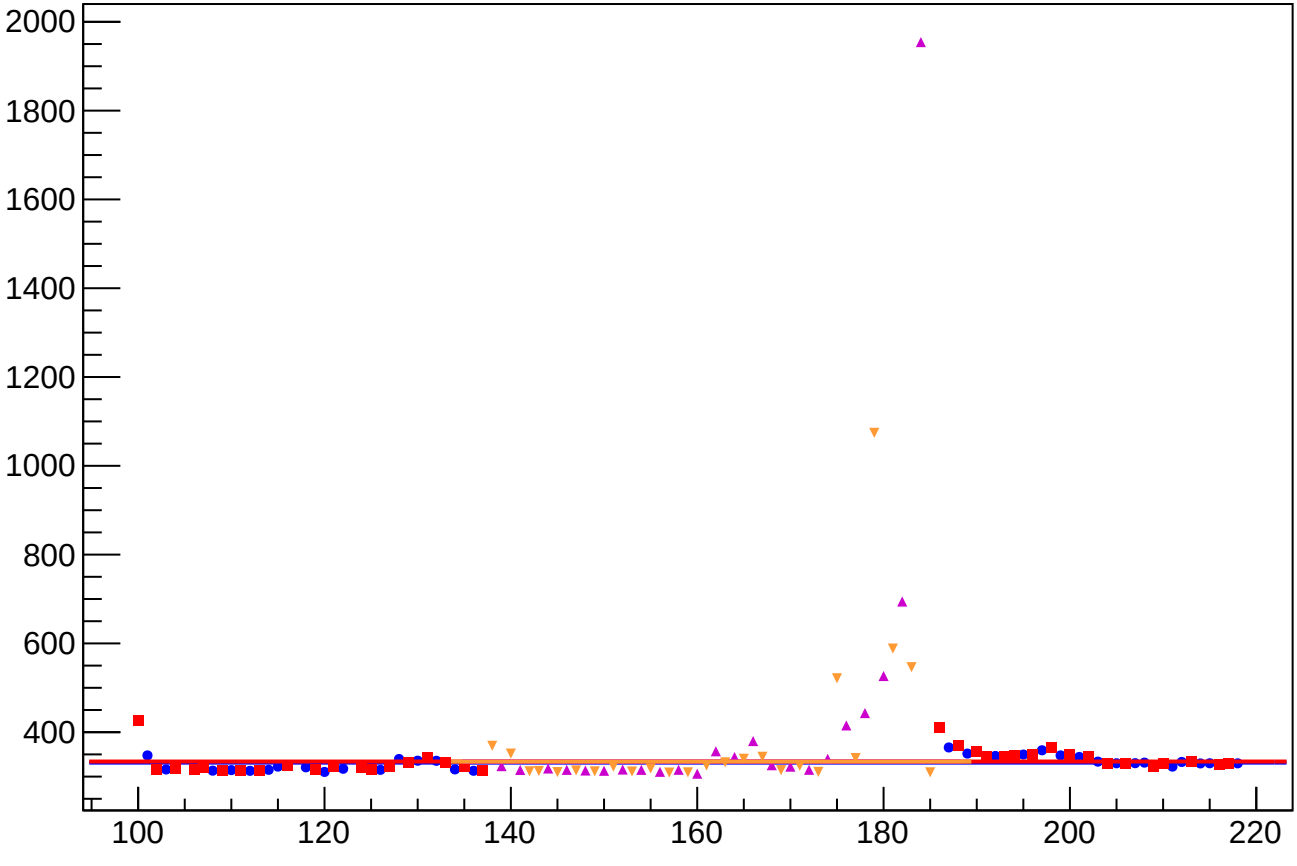
Right: 0.022+/-0.052 χ^2/NDF: 61.2/67

In: 0.043+/-0.055 χ^2/NDF:36.4/54

Out: -0.002+/-0.054 χ^2/NDF:65.2/60

All: 0.020+/-0.038 χ^2/NDF: 102.0/115

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: 333.971+/-0.052 χ^2/NDF: 119761.1/35

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

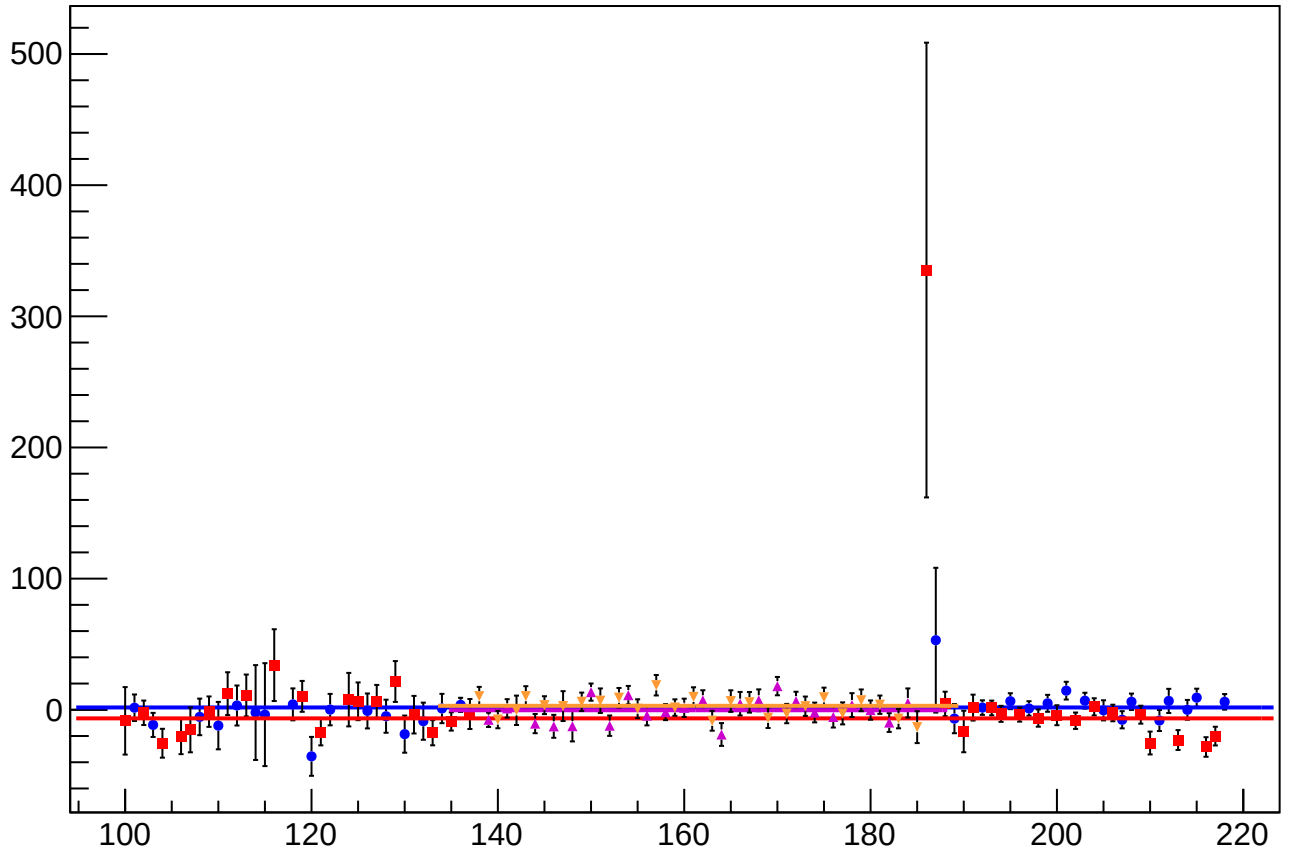
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 332.729+/-0.037 χ^2/NDF: 185281.2/67

In: 332.614+/-0.039 χ^2/NDF:1116402.8/54

Out: 333.884+/-0.038 χ^2/NDF:1337024.1/60

All: 333.257+/-0.027 χ^2/NDF: 2453975.7/115



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: -6.549+/-1.494 χ^2/NDF: 52.8/35

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

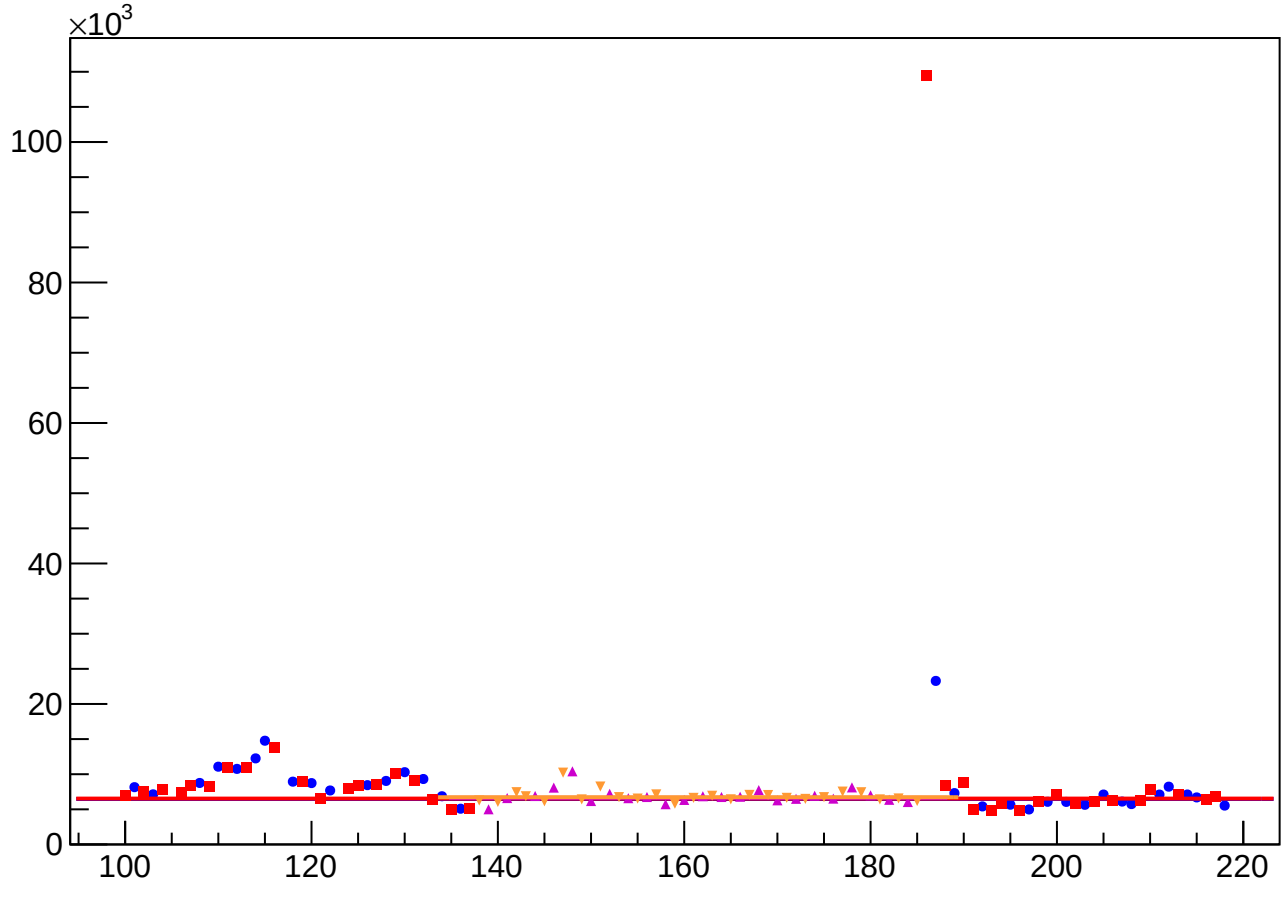
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -2.371+/-1.054 χ^2/NDF: 93.7/67

In: 0.765+/-1.079 χ^2/NDF:60.0/54

Out: -1.914+/-1.073 χ^2/NDF:93.0/60

All: -0.582+/-0.761 χ^2/NDF: 156.2/115



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: 6527.713+/-1.056 χ^2/NDF: 2444949.8/35

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

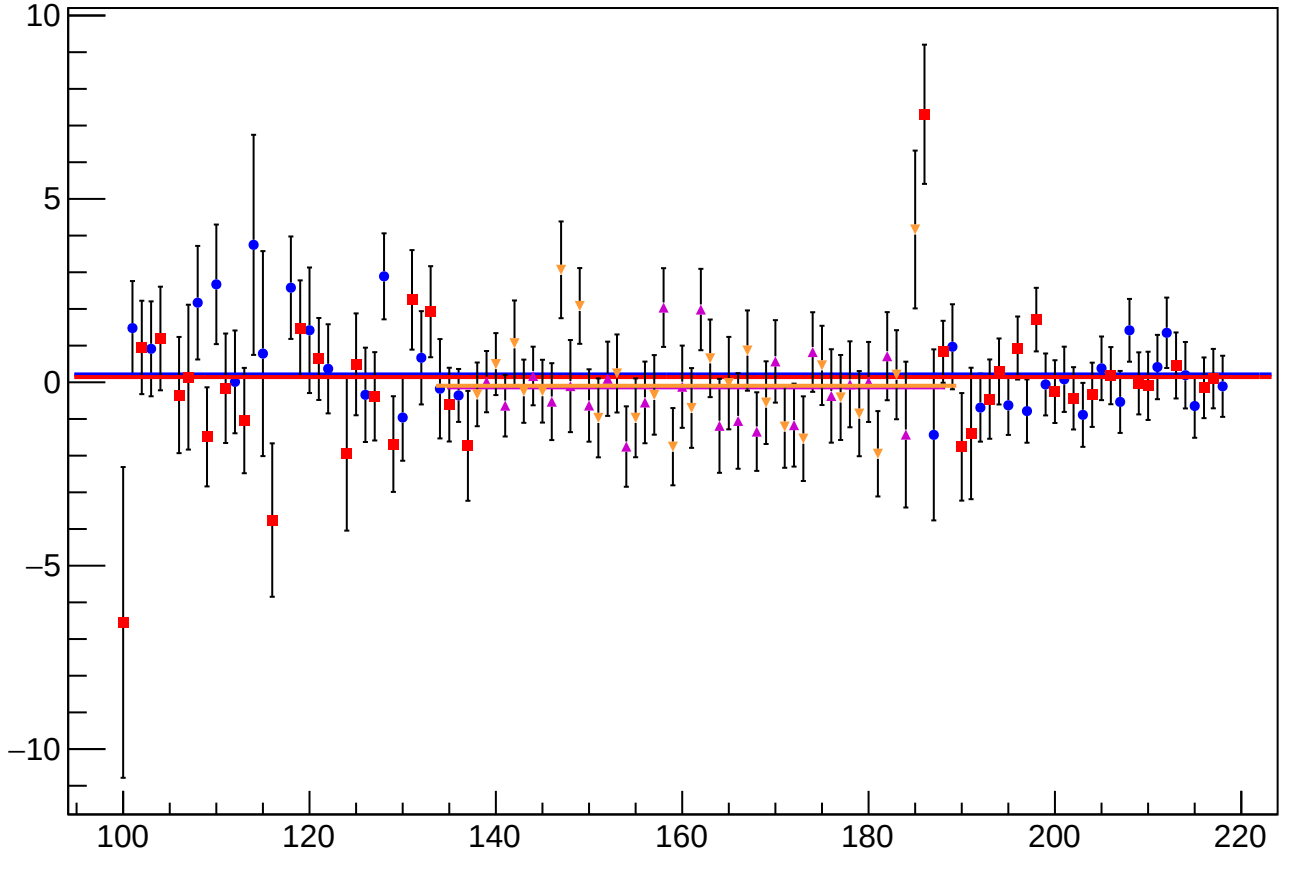
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6499.069+/-0.745 χ^2/NDF: 4331694.1/67

In: 6547.387+/-0.763 χ^2/NDF:2526014.4/54

Out: 6622.269+/-0.759 χ^2/NDF:2864817.5/60

All: 6585.045+/-0.538 χ^2/NDF: 5395675.9/11



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: 0.143+/-0.185 χ^2/NDF: 43.3/35

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

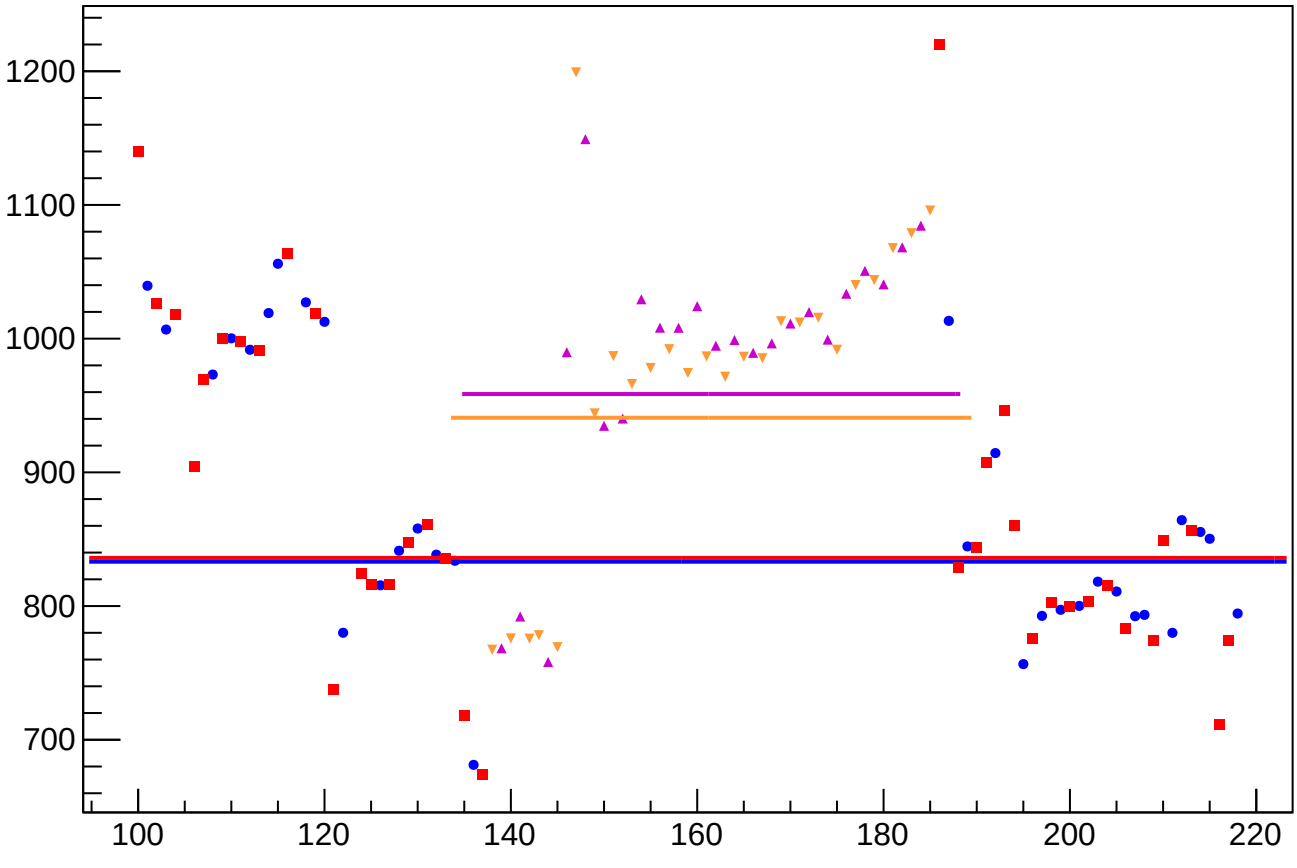
Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

Right: 0.178+/-0.131 χ^2/NDF: 72.0/67

In: 0.071+/-0.144 χ^2/NDF:46.5/54

Out: 0.042+/-0.140 χ^2/NDF:71.4/60

All: 0.056+/-0.100 χ^2/NDF: 117.9/115



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: 835.999+/-0.131 χ^2/NDF: 513247.2/35

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

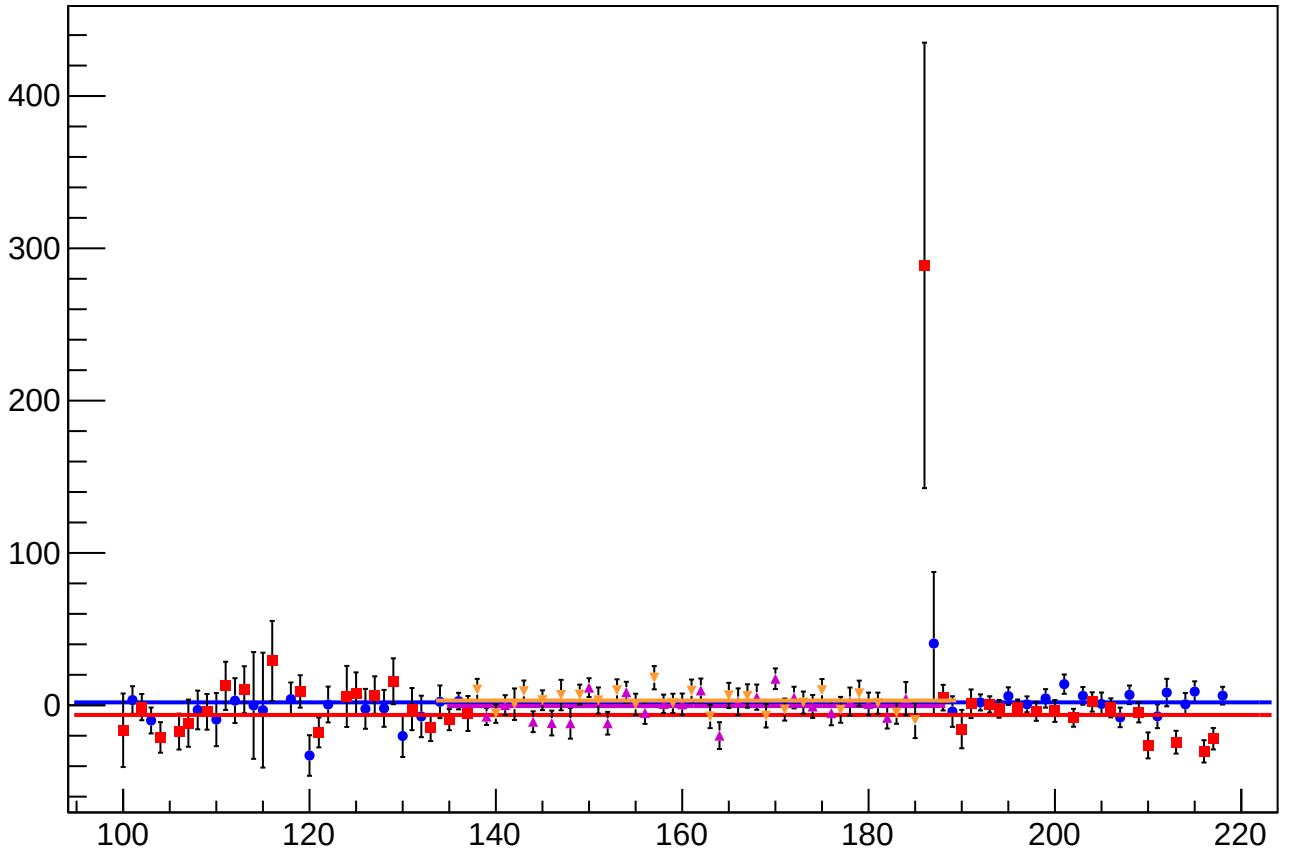
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 834.604+/-0.093 χ^2/NDF: 921934.1/67

In: 884.079+/-0.102 χ^2/NDF:1233212.1/54

Out: 880.464+/-0.099 χ^2/NDF:1354970.3/60

All: 882.229+/-0.071 χ^2/NDF: 2588831.2/115



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: -6.366+/-1.427 χ^2/NDF: 57.2/35

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

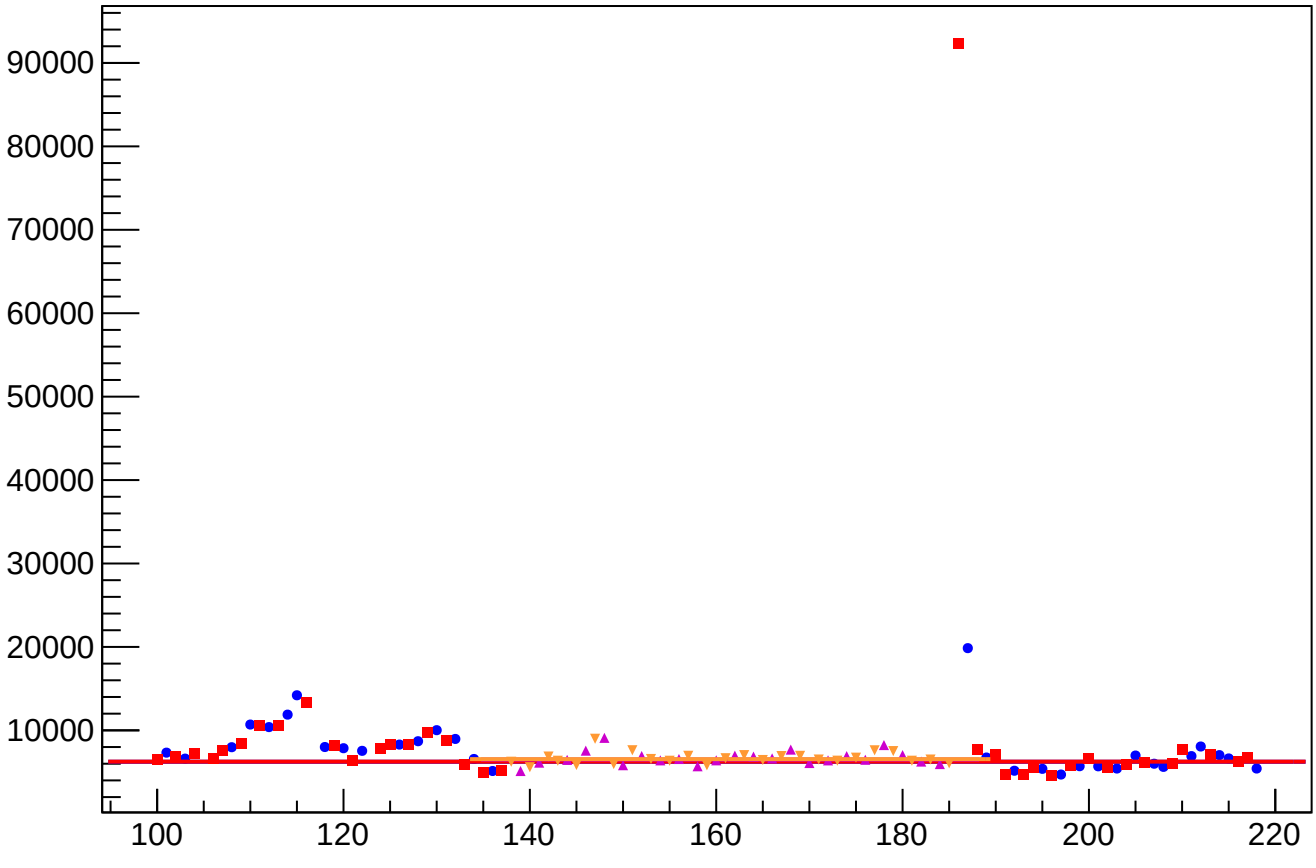
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -2.239+/-1.010 χ^2/NDF: 99.2/67

In: 0.777+/-1.046 χ^2/NDF:58.6/54

Out: -1.870+/-1.034 χ^2/NDF:96.7/60

All: -0.562+/-0.735 χ^2/NDF: 158.6/115



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: 6249.561+/-1.009 χ^2/NDF: 2399908.3/35

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

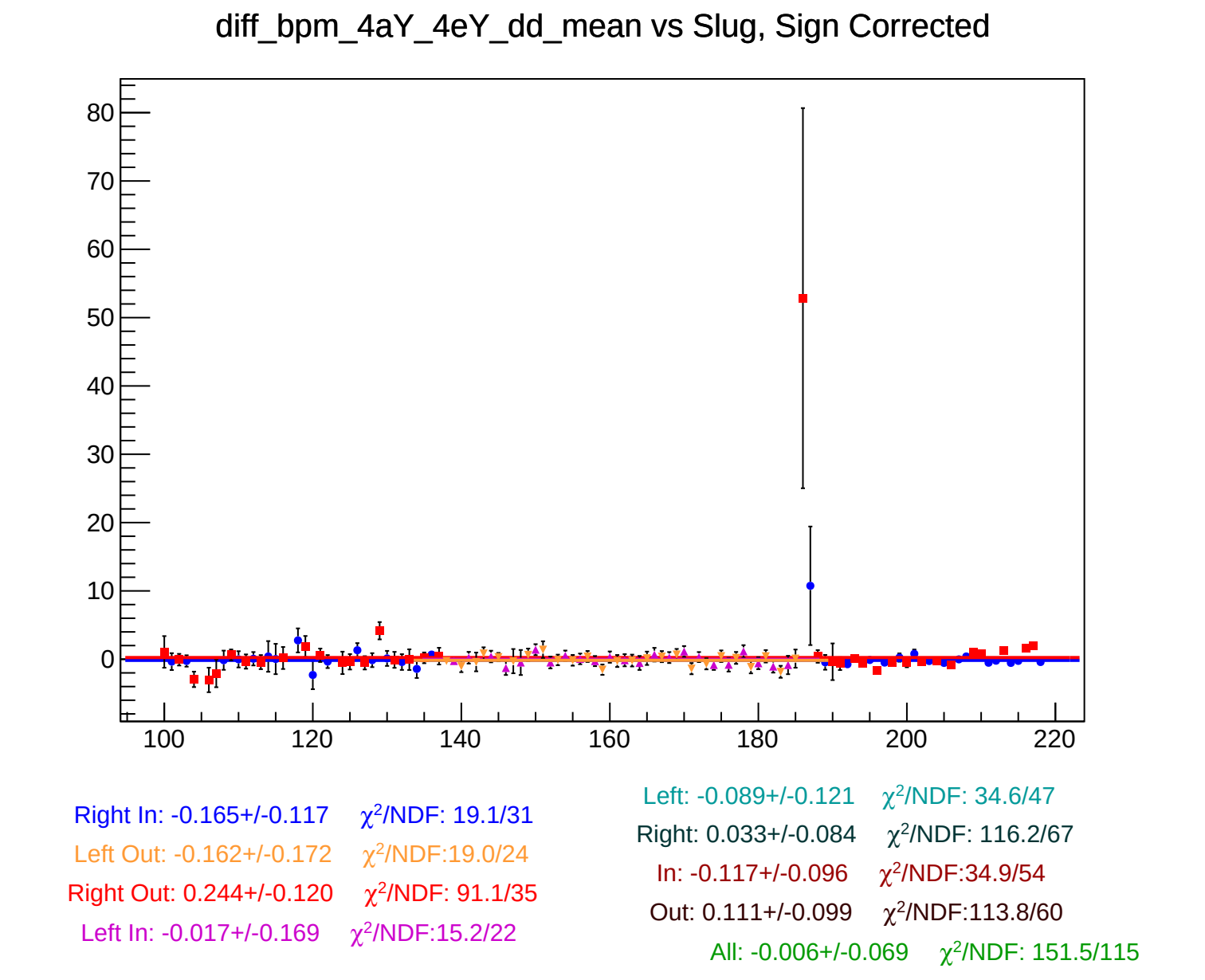
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 6240.345+/-0.714 χ^2/NDF: 4206733.2/67

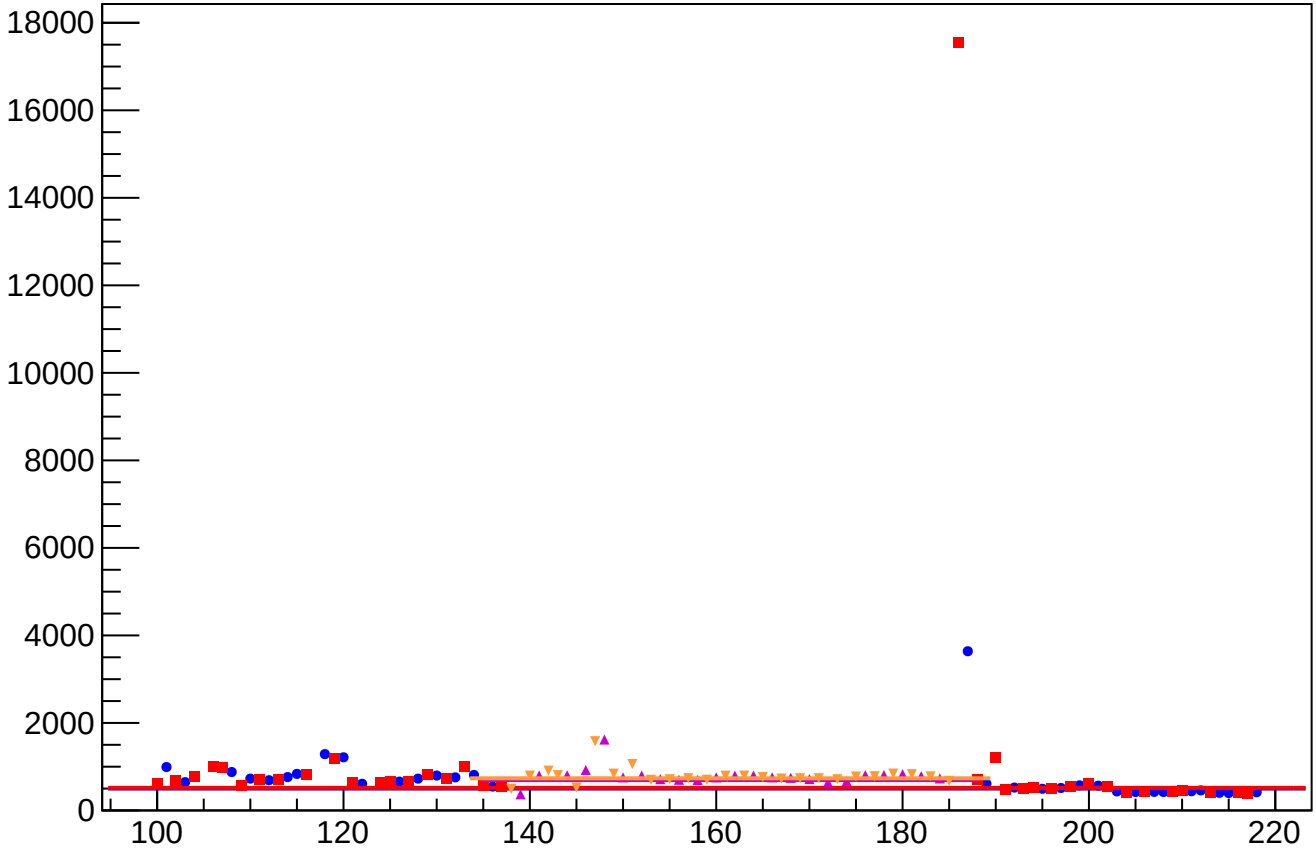
In: 6358.344+/-0.740 χ^2/NDF:2356277.7/54

Out: 6391.768+/-0.731 χ^2/NDF:2807776.5/60

All: 6375.249+/-0.520 χ^2/NDF: 5165086.9/11


diff_bpm_4aY_4eY_dd_mean vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
0
100
120
140
160
180
200
220
Right In: -0.165+/-0.117 χ2/NDF: 19.1/31
Left Out: -0.162+/-0.172 χ2/NDF:19.0/24
Right Out: 0.244+/-0.120 χ2/NDF: 91.1/35
Left In: -0.017+/-0.169 χ2/NDF:15.2/22
Left: -0.089+/-0.121 χ2/NDF: 34.6/47
Right: 0.033+/-0.084 χ2/NDF: 116.2/67
In: -0.117+/-0.096 χ2/NDF:34.9/54
Out: 0.111+/-0.099 χ2/NDF:113.8/60
All: -0.006+/-0.069 χ2/NDF: 151.5/115

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: 515.593+/-0.085 χ^2/NDF: 3225458.5/35

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

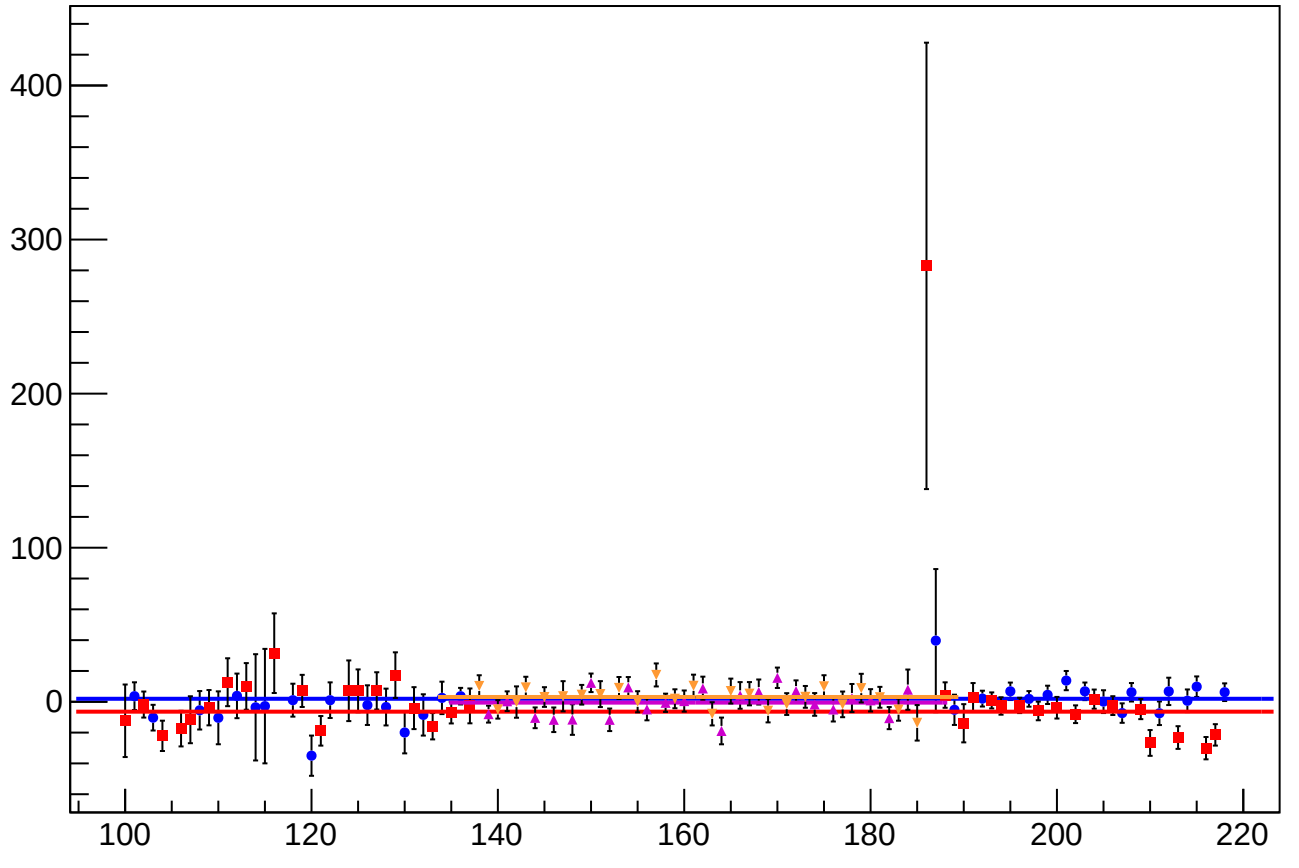
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 507.993+/-0.059 χ^2/NDF: 6058188.1/67

In: 563.182+/-0.068 χ^2/NDF:6813771.2/54

Out: 587.500+/-0.070 χ^2/NDF:6749652.5/60

All: 575.026+/-0.049 χ^2/NDF: 13625907.8/11



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: -6.419+/-1.400 χ^2/NDF: 57.8/35

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

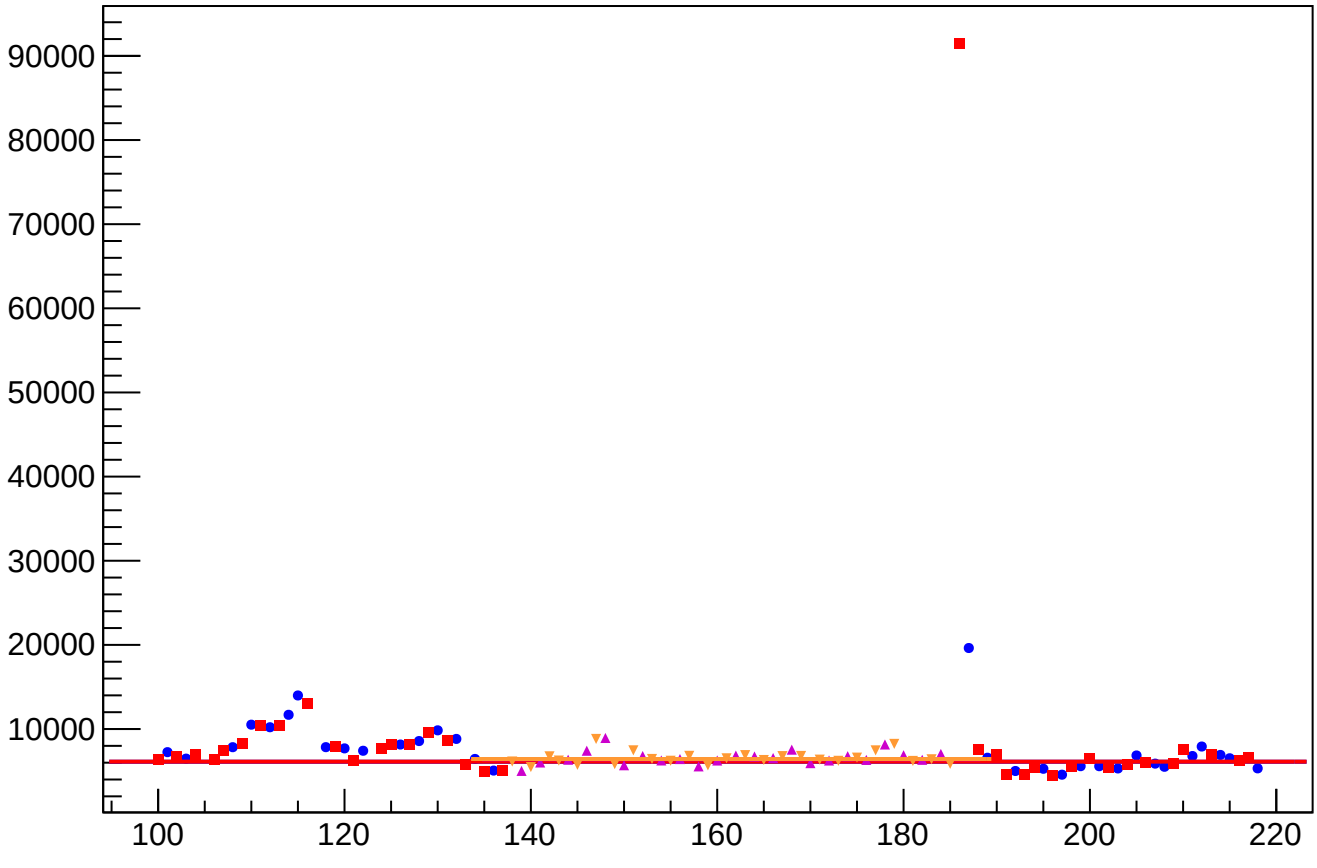
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -2.243+/-0.991 χ^2/NDF: 103.4/67

In: 0.794+/-1.028 χ^2/NDF:62.7/54

Out: -1.908+/-1.016 χ^2/NDF:98.5/60

All: -0.574+/-0.723 χ^2/NDF: 164.7/115



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: 6124.209+/-0.990 χ^2/NDF: 2426834.0/35

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

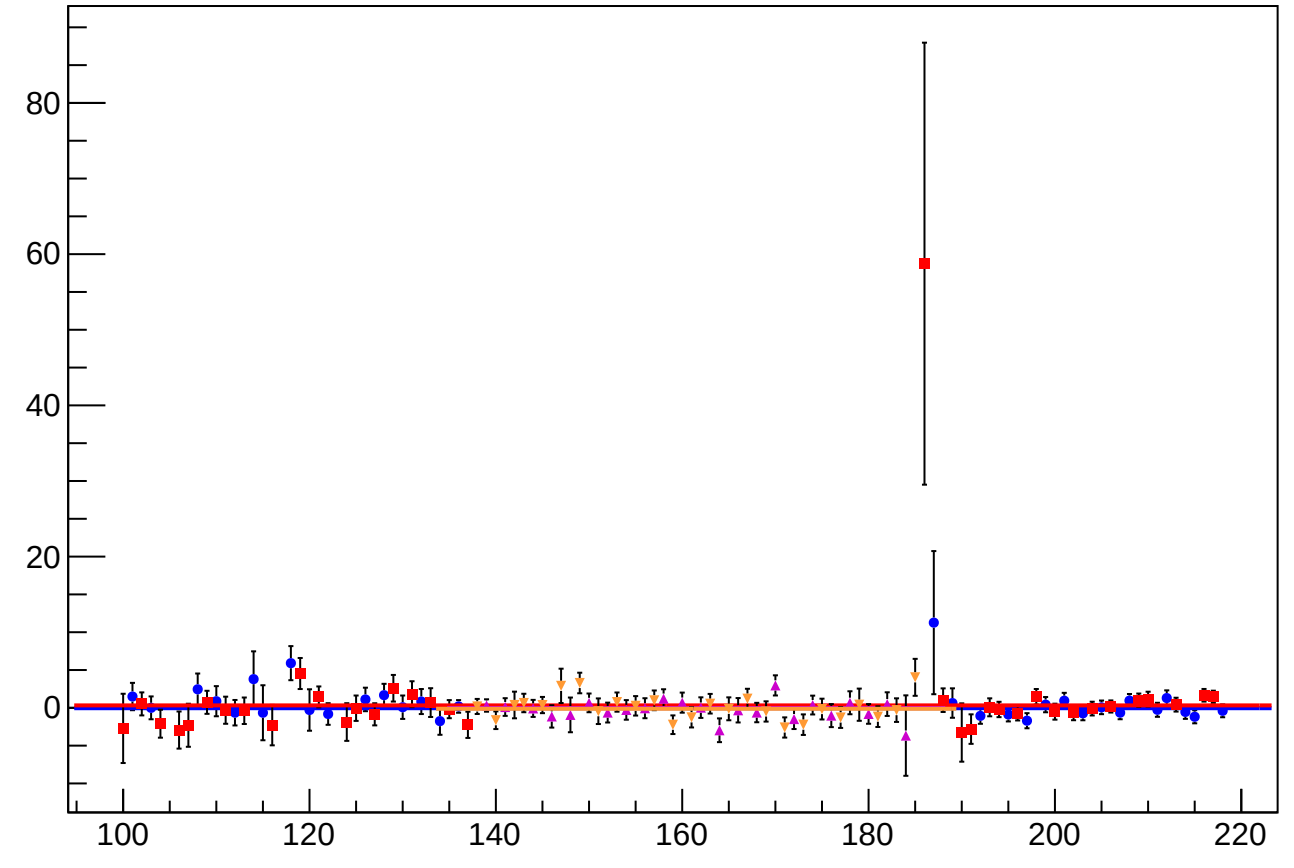
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 6116.381+/-0.700 χ^2/NDF: 4264618.7/67

In: 6245.682+/-0.727 χ^2/NDF:2404128.4/54

Out: 6271.503+/-0.718 χ^2/NDF:2890944.6/60

All: 6258.752+/-0.511 χ^2/NDF: 5295711.3/11



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: 0.322+/-0.215 χ^2/NDF: 35.3/35

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

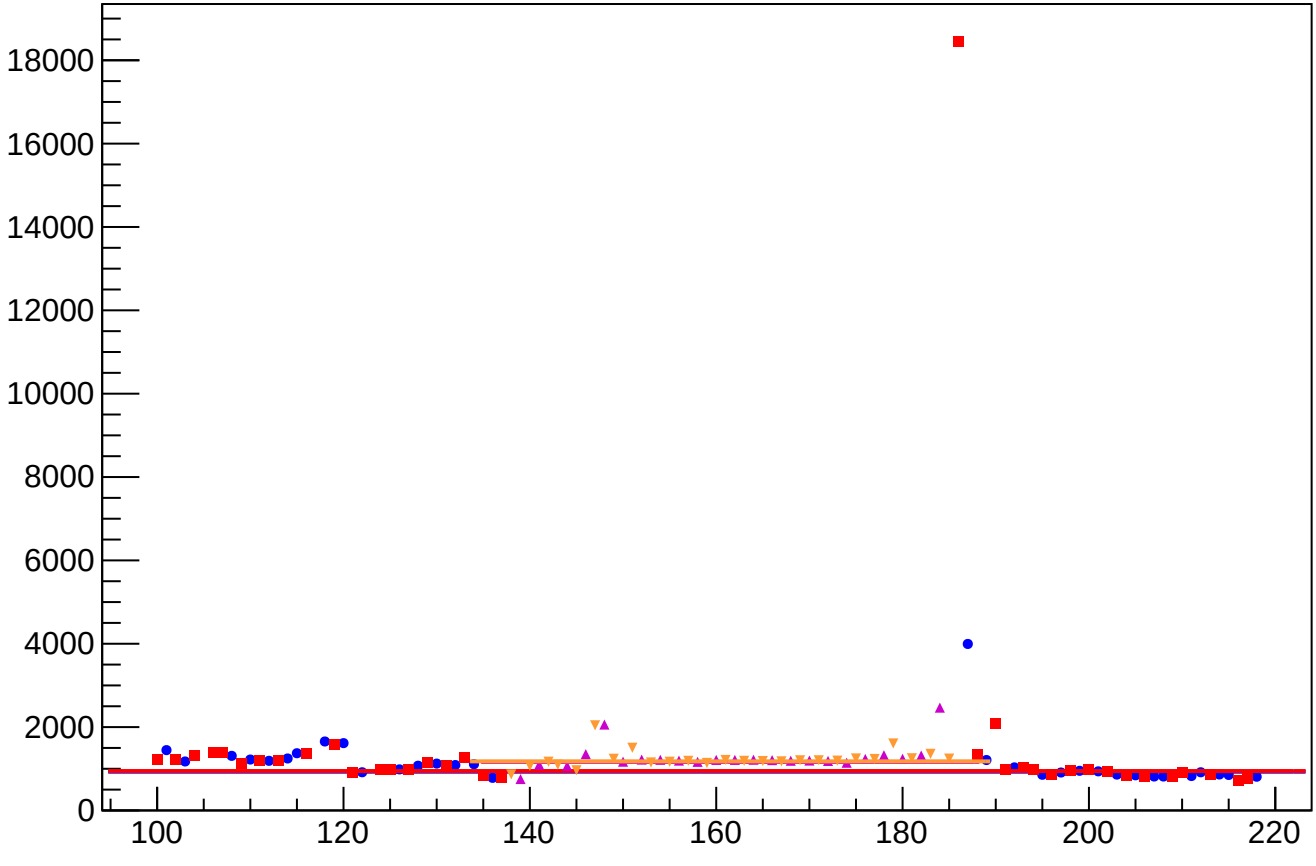
Right: 0.132+/-0.151 χ^2/NDF: 64.3/67

In: -0.043+/-0.169 χ^2/NDF:41.9/54

Out: 0.152+/-0.169 χ^2/NDF:63.9/60

All: 0.054+/-0.119 χ^2/NDF: 106.5/115

diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected



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: 945.039+/-0.152 χ^2/NDF: 2198544.3/35

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

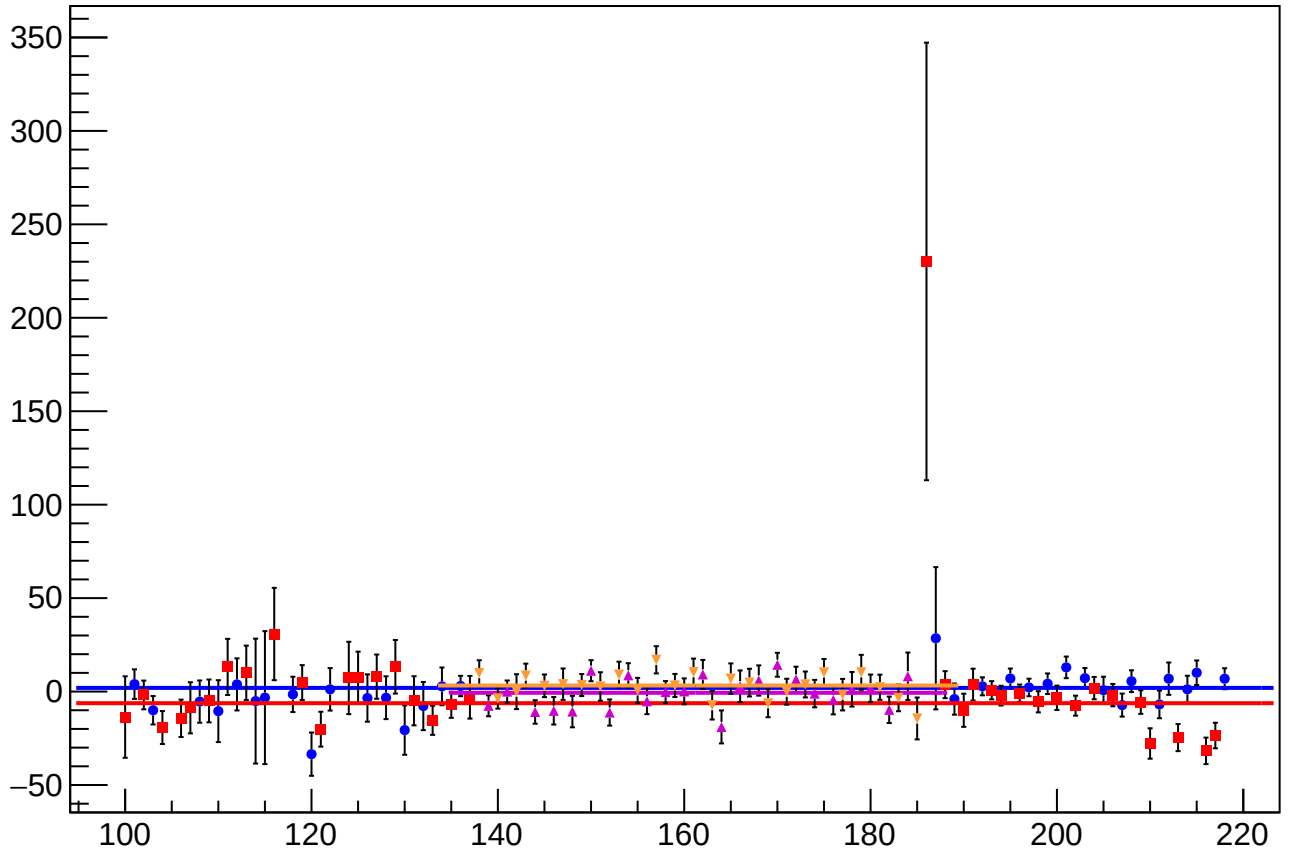
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 937.849+/-0.107 χ^2/NDF: 3584564.9/67

In: 1016.278+/-0.119 χ^2/NDF:3319619.5/54

Out: 1034.124+/-0.120 χ^2/NDF:3893824.1/60

All: 1025.176+/-0.084 χ^2/NDF: 7224606.8/11



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: -6.221+/-1.318 χ^2/NDF: 65.3/35

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

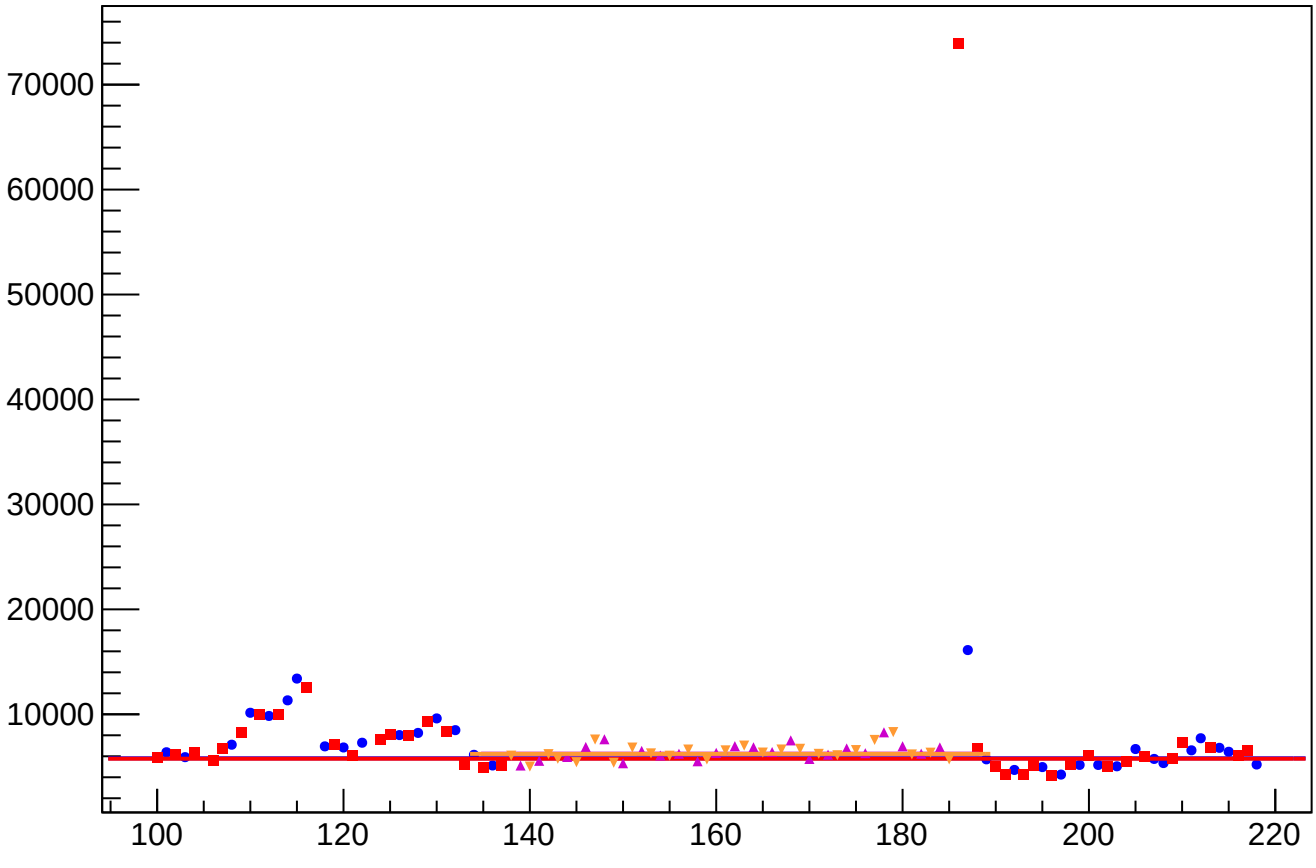
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -2.174+/-0.937 χ^2/NDF: 114.7/67

In: 0.779+/-0.988 χ^2/NDF:64.5/54

Out: -1.876+/-0.969 χ^2/NDF:106.8/60

All: -0.574+/-0.692 χ^2/NDF: 174.9/115



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: 5769.277+/-0.932 χ^2/NDF: 2508394.8/35

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

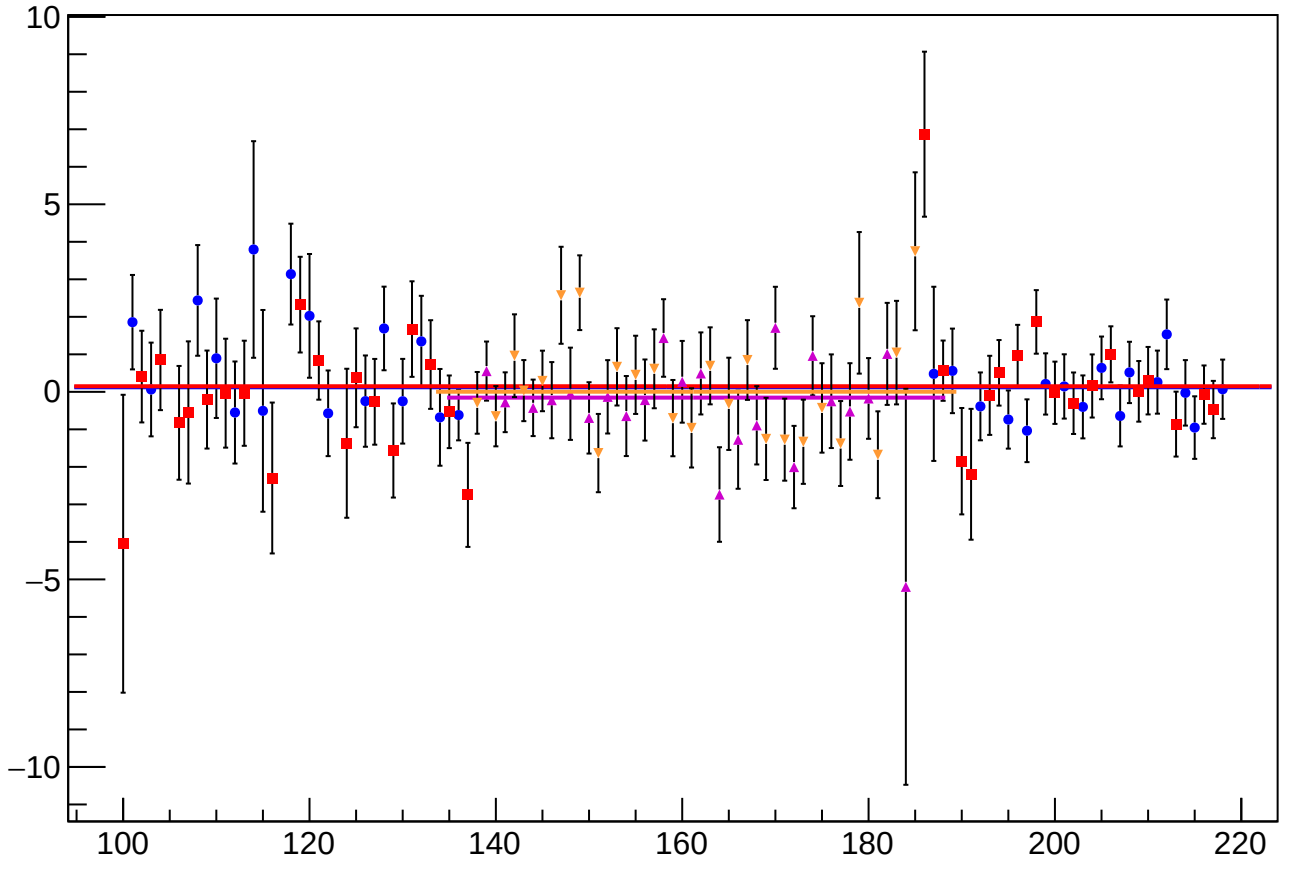
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5787.974+/-0.663 χ^2/NDF: 4361009.3/67

In: 6004.919+/-0.699 χ^2/NDF:2434731.2/54

Out: 5980.389+/-0.685 χ^2/NDF:3090853.9/60

All: 5992.411+/-0.489 χ^2/NDF: 5526213.1/11



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: 0.149+/-0.177 χ^2/NDF: 38.5/35

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

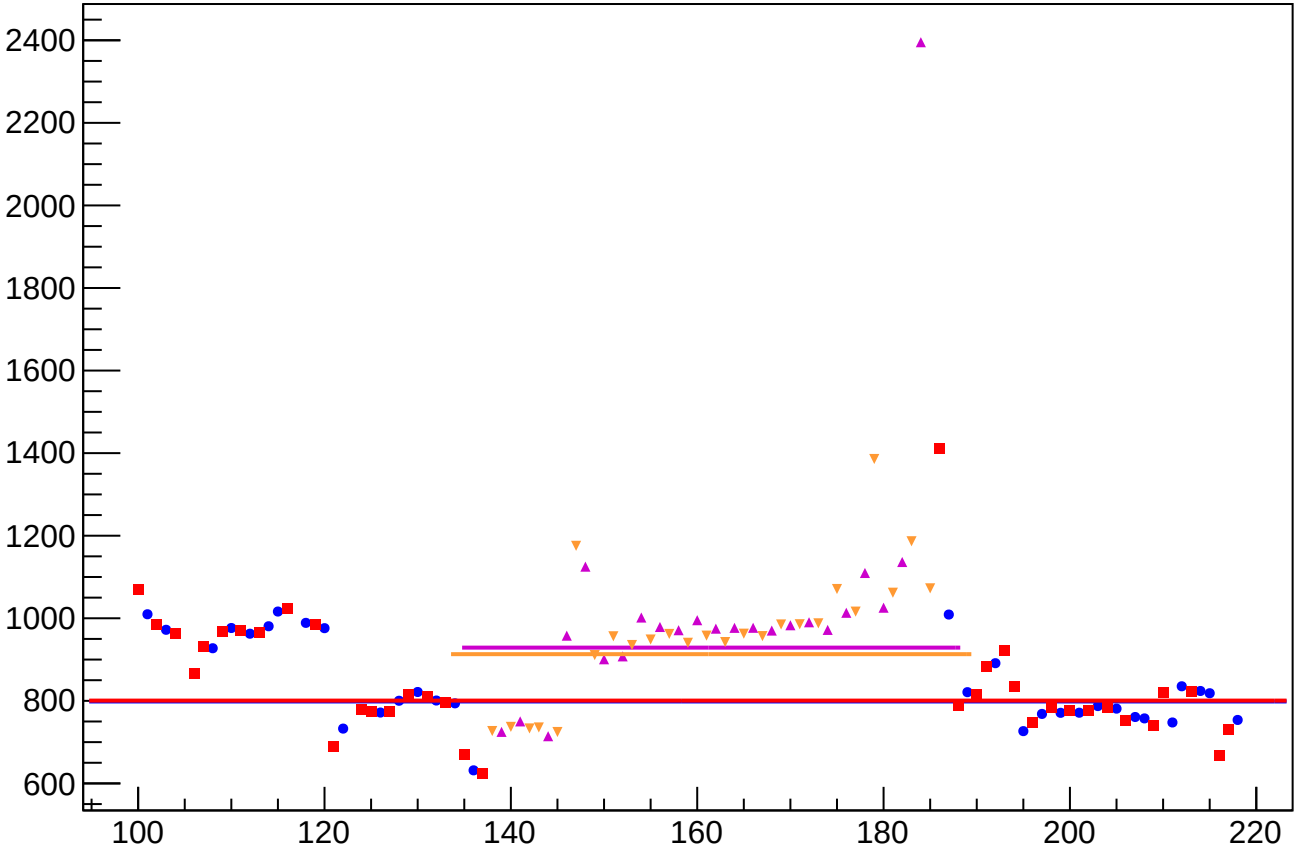
Right: 0.136+/-0.126 χ^2/NDF: 66.2/67

In: 0.013+/-0.139 χ^2/NDF:47.0/54

Out: 0.089+/-0.136 χ^2/NDF:70.4/60

All: 0.052+/-0.097 χ^2/NDF: 117.6/115

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: 800.609+/-0.125 χ^2/NDF: 644899.2/35

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

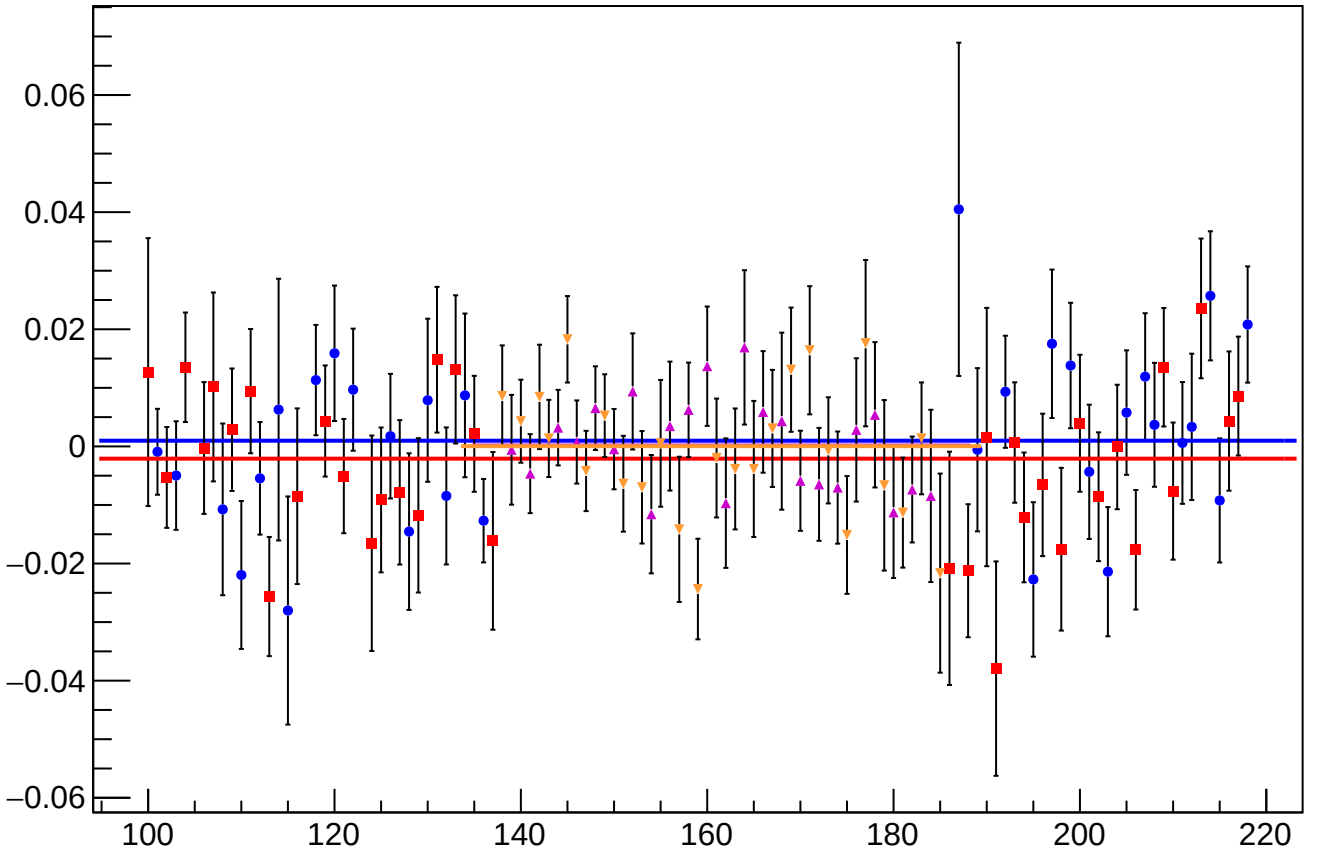
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 799.559+/-0.089 χ^2/NDF: 1116999.7/67

In: 850.056+/-0.098 χ^2/NDF:1661908.8/54

Out: 846.956+/-0.096 χ^2/NDF:1865212.0/60

All: 848.472+/-0.069 χ^2/NDF: 3527628.7/115



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: 38.9/35

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

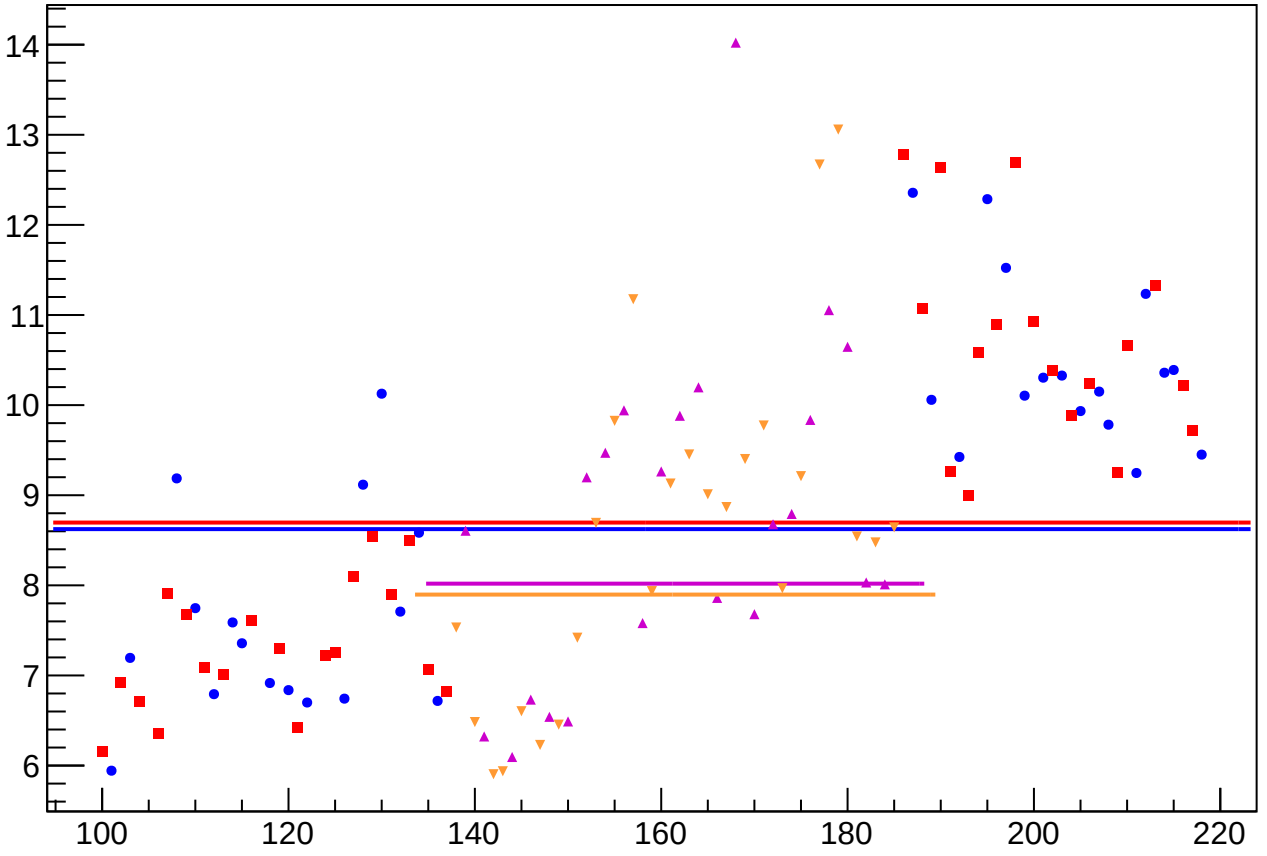
Right: -0.001+/-0.001 χ^2/NDF: 81.8/67

In: 0.001+/-0.001 χ^2/NDF:54.5/54

Out: -0.001+/-0.001 χ^2/NDF:70.7/60

All: -0.000+/-0.001 χ^2/NDF: 125.8/115

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: 8.697+/-0.001 χ^2/NDF: 1641758.2/35

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

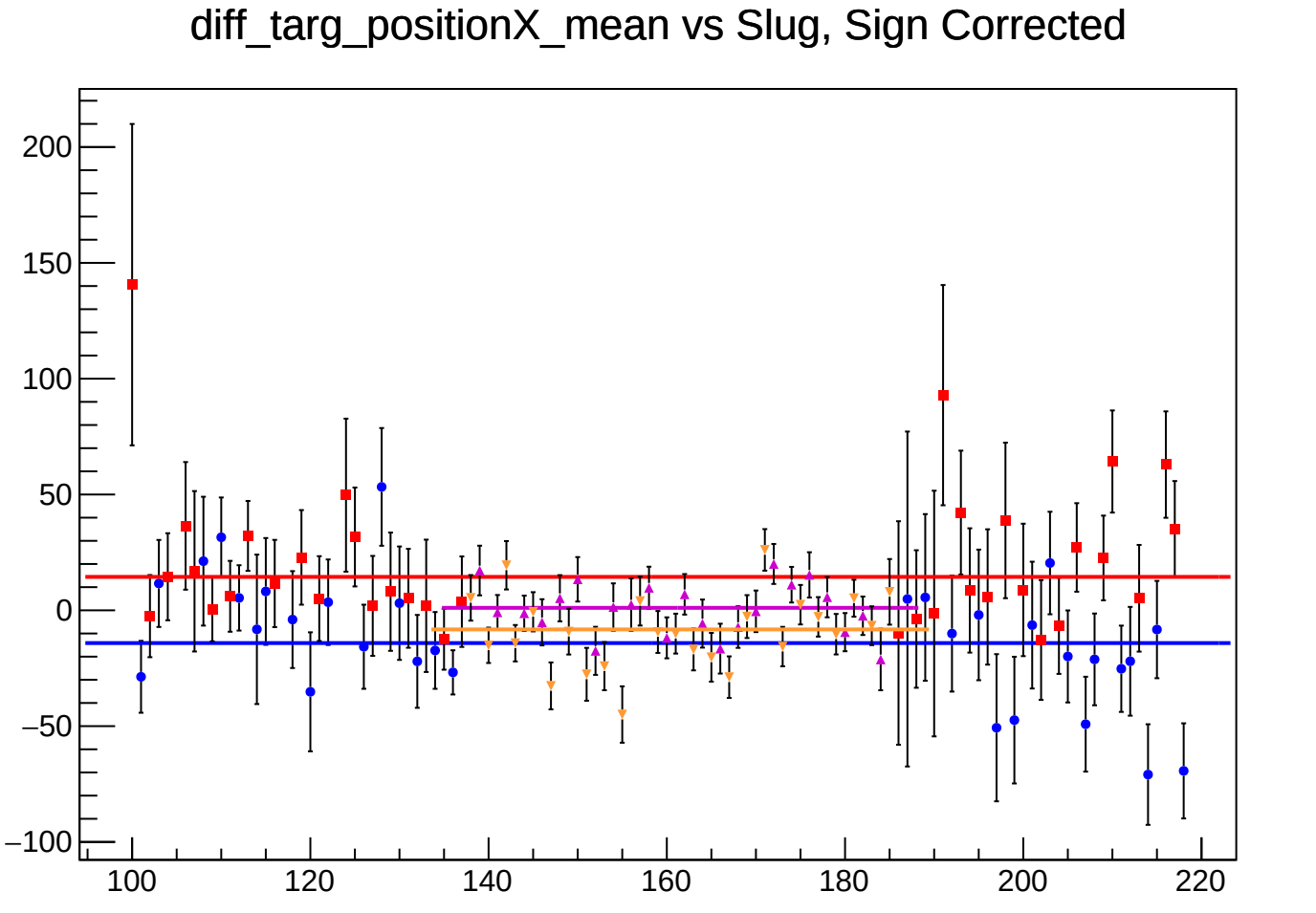
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

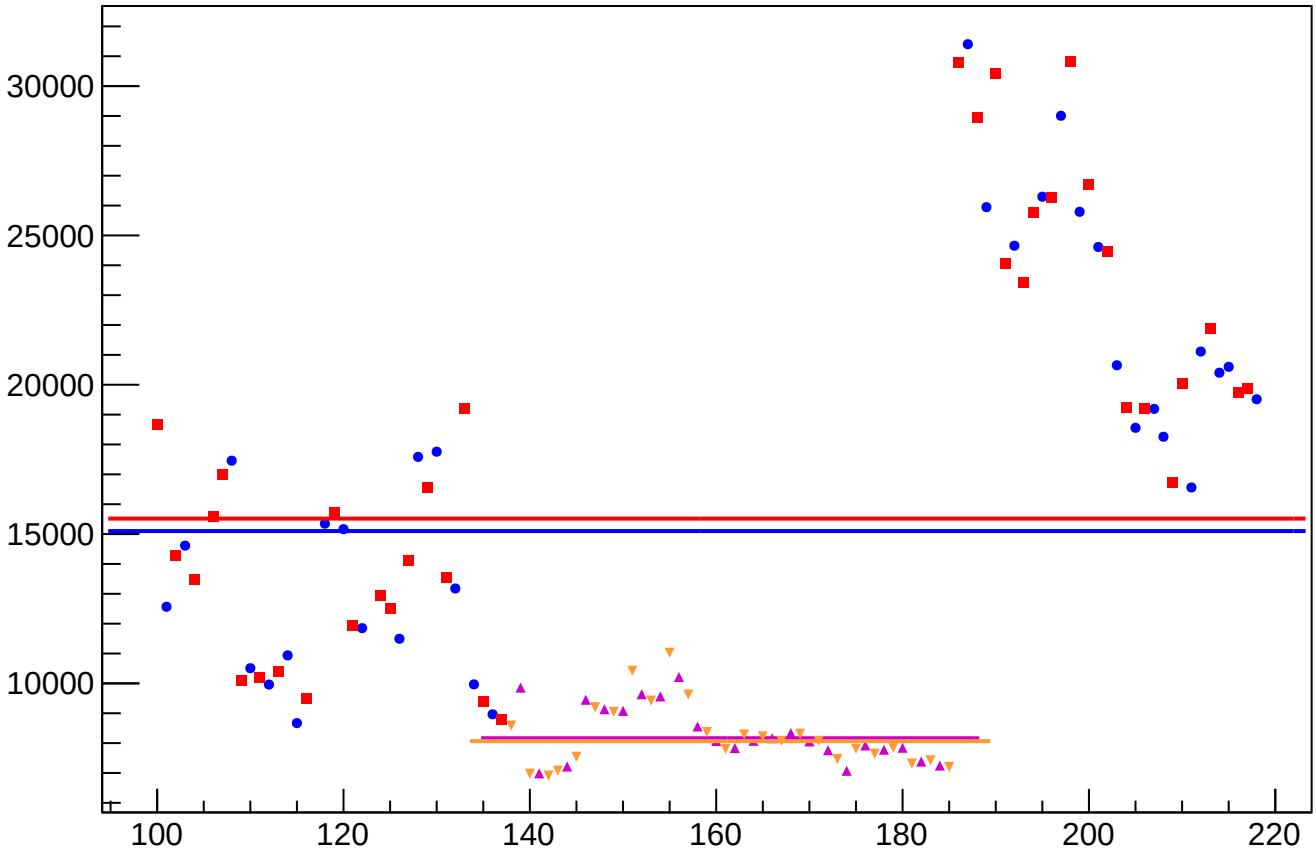
Right: 8.660+/-0.001 χ^2/NDF: 3246363.4/67

In: 8.314+/-0.001 χ^2/NDF:3156191.7/54

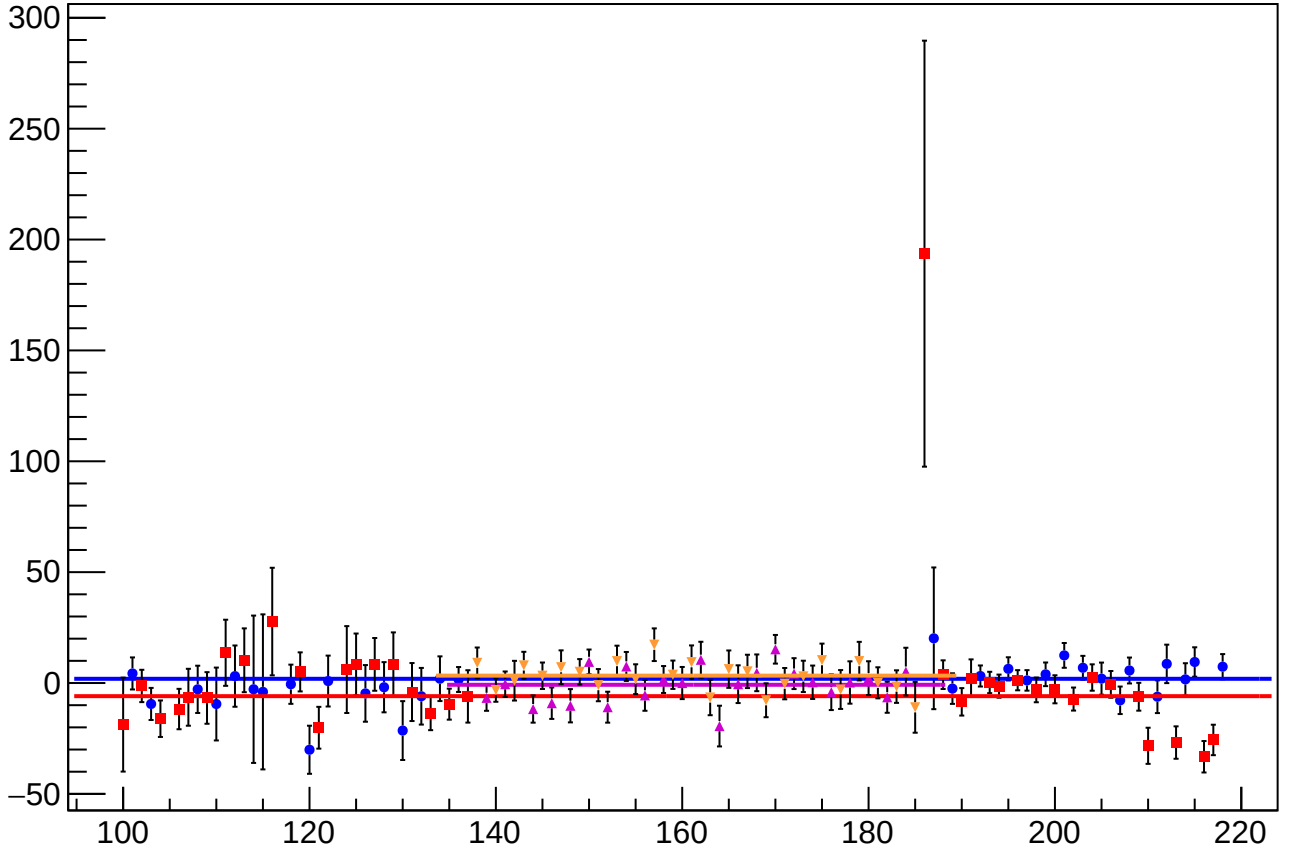
Out: 8.273+/-0.001 χ^2/NDF:3409367.5/60

All: 8.293+/-0.001 χ^2/NDF: 6566457.9/115


diff_targ_positionX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -14.135+/-3.579 χ²/NDF: 49.3/31
Left Out: -8.256+/-1.849 χ²/NDF:62.2/24
Right Out: 14.433+/-3.648 χ²/NDF: 33.8/35
Left In: 1.072+/-1.921 χ²/NDF:28.8/22
Left: -3.769+/-1.332 χ²/NDF: 103.2/47
Right: -0.125+/-2.555 χ²/NDF: 114.3/67
In: -2.329+/-1.692 χ²/NDF:92.1/54
Out: -3.617+/-1.650 χ²/NDF:126.7/60
All: -2.990+/-1.181 χ²/NDF: 219.1/115


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: 15517.620+/-2.580 χ²/NDF: 4952502.9/35
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
Left: 8113.259+/-0.942 χ²/NDF: 933130.1/47
Right: 15305.132+/-1.806 χ²/NDF: 9483361.0/67
In: 9715.016+/-1.197 χ²/NDF:10784347.9/54
Out: 9590.066+/-1.166 χ²/NDF:12087575.6/60
All: 9650.938+/-0.835 χ²/NDF: 22877513.9/

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: -5.927+/-1.280 χ^2/NDF: 71.5/35

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

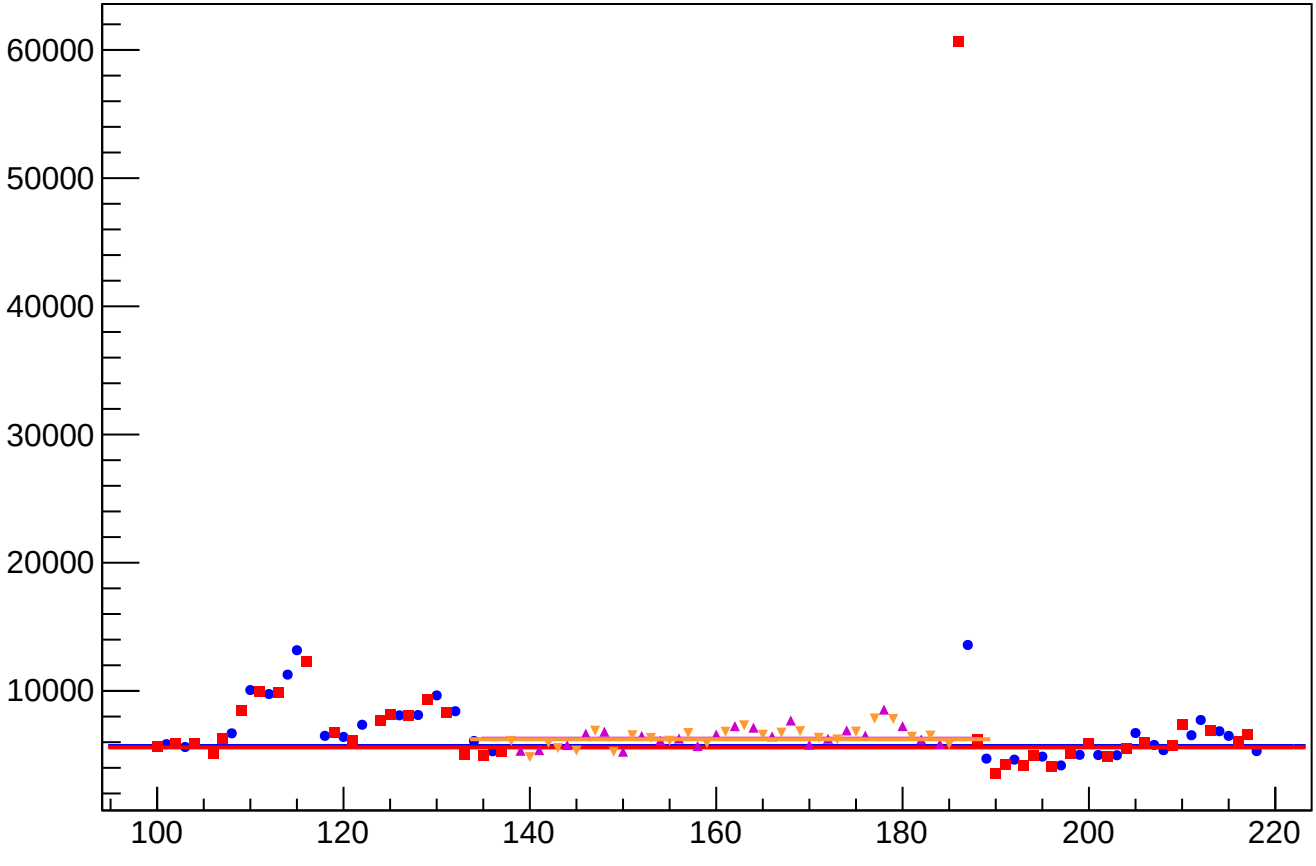
Right: -2.098+/-0.915 χ^2/NDF: 118.7/67

In: 0.717+/-0.980 χ^2/NDF:60.3/54

Out: -1.810+/-0.954 χ^2/NDF:111.6/60

All: -0.580+/-0.684 χ^2/NDF: 175.3/115

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: 5593.419+/-0.905 χ^2/NDF: 2735060.0/35

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

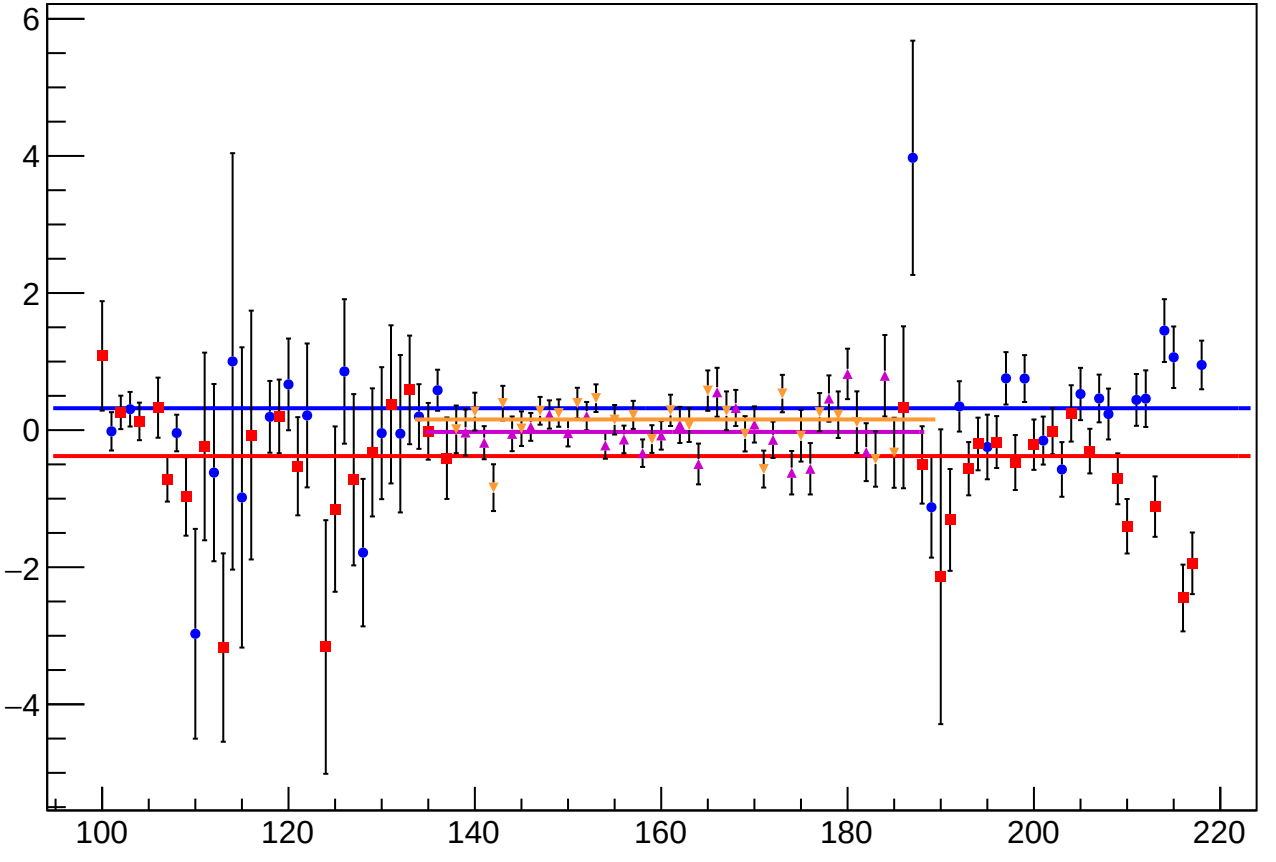
Right: 5646.398+/-0.647 χ^2/NDF: 4628251.1/67

In: 5951.717+/-0.693 χ^2/NDF:2557037.6/54

Out: 5876.963+/-0.675 χ^2/NDF:3488178.7/60

All: 5913.338+/-0.483 χ^2/NDF: 6051191.1/11

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: -0.379+/-0.079 χ^2/NDF: 76.7/35

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

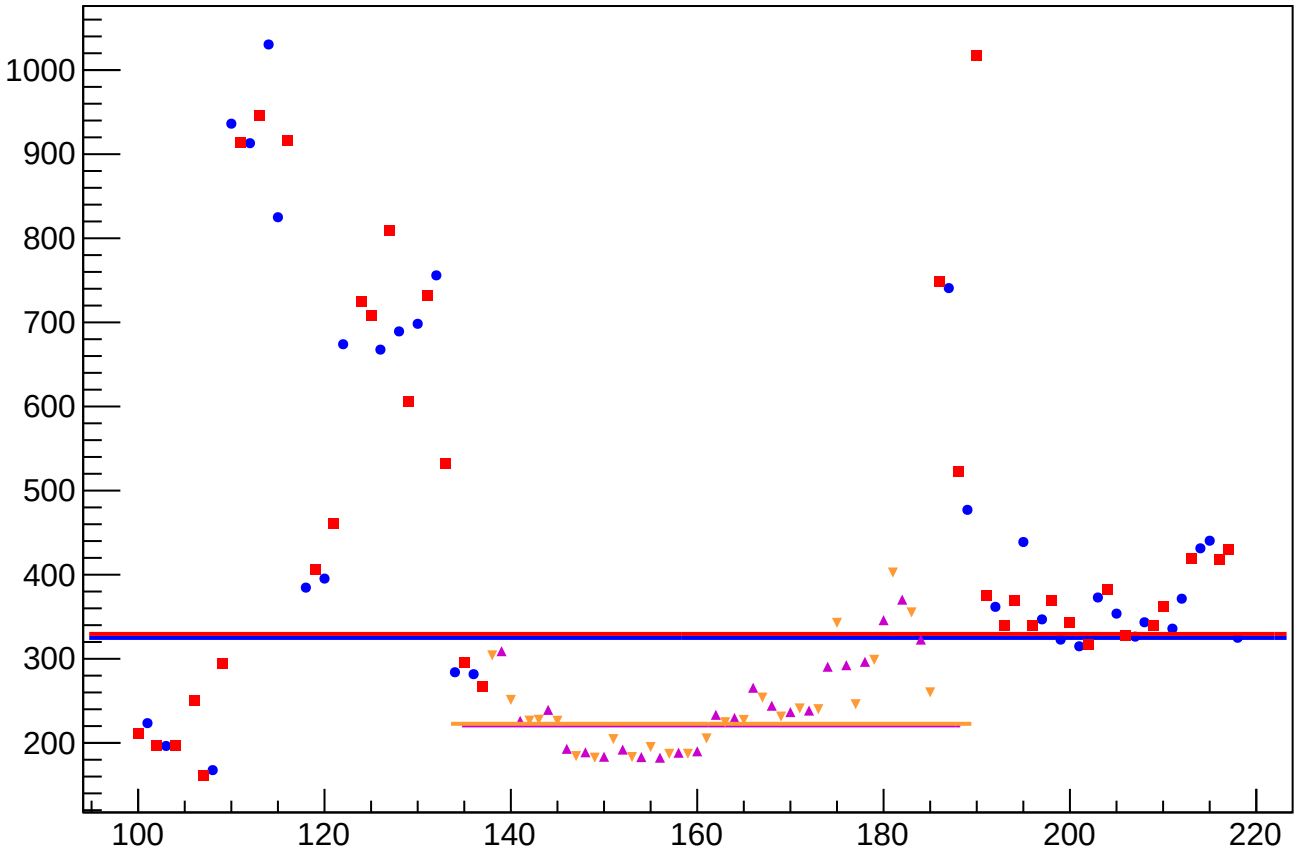
Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

Right: -0.024+/-0.055 χ^2/NDF: 163.4/67

In: 0.084+/-0.044 χ^2/NDF:90.1/54

Out: -0.007+/-0.043 χ^2/NDF:141.1/60

All: 0.038+/-0.031 χ^2/NDF: 233.4/115



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: 329.586+/-0.056 χ^2/NDF: 5002744.5/35

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

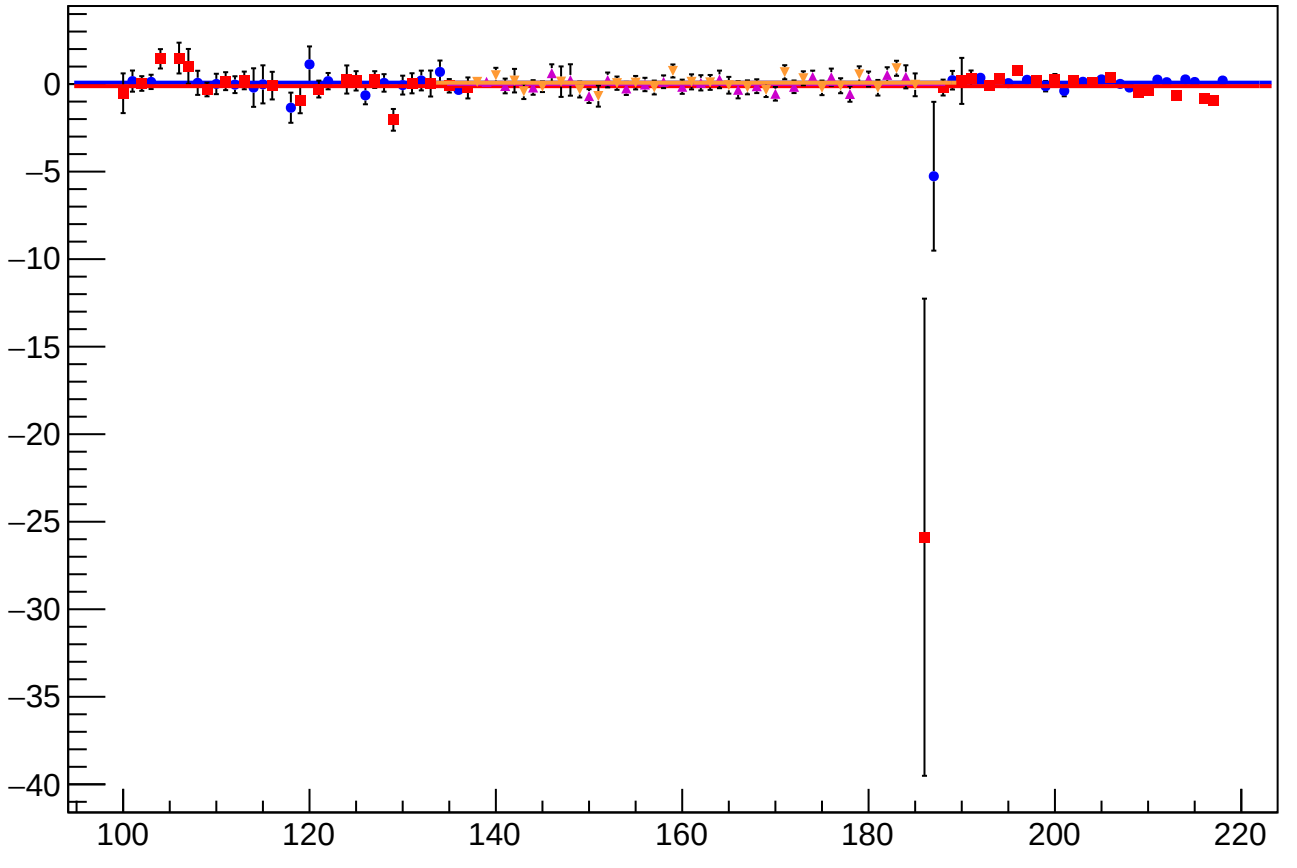
Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

Right: 327.178+/-0.039 χ^2/NDF: 9440106.0/67

In: 253.970+/-0.031 χ^2/NDF:8364975.2/54

Out: 255.175+/-0.031 χ^2/NDF:9027541.0/60

All: 254.578+/-0.022 χ^2/NDF: 17393283.0/11



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: -0.119+/-0.059 χ^2/NDF: 91.1/35

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

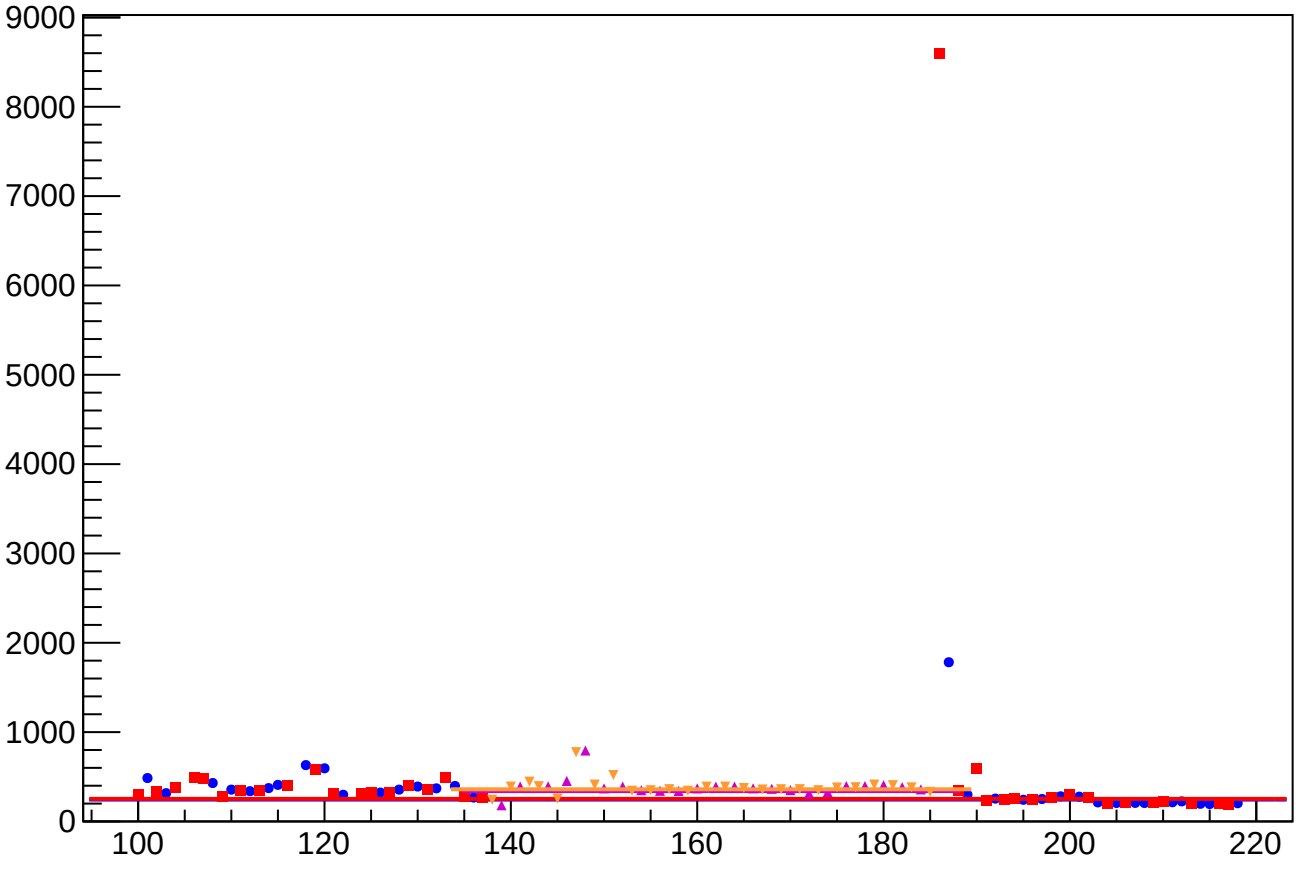
Right: -0.016+/-0.041 χ^2/NDF: 116.2/67

In: 0.057+/-0.047 χ^2/NDF:34.9/54

Out: -0.054+/-0.048 χ^2/NDF:113.8/60

All: 0.003+/-0.034 χ^2/NDF: 151.5/115

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: 252.556+/-0.042 χ^2/NDF: 3225458.5/35

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

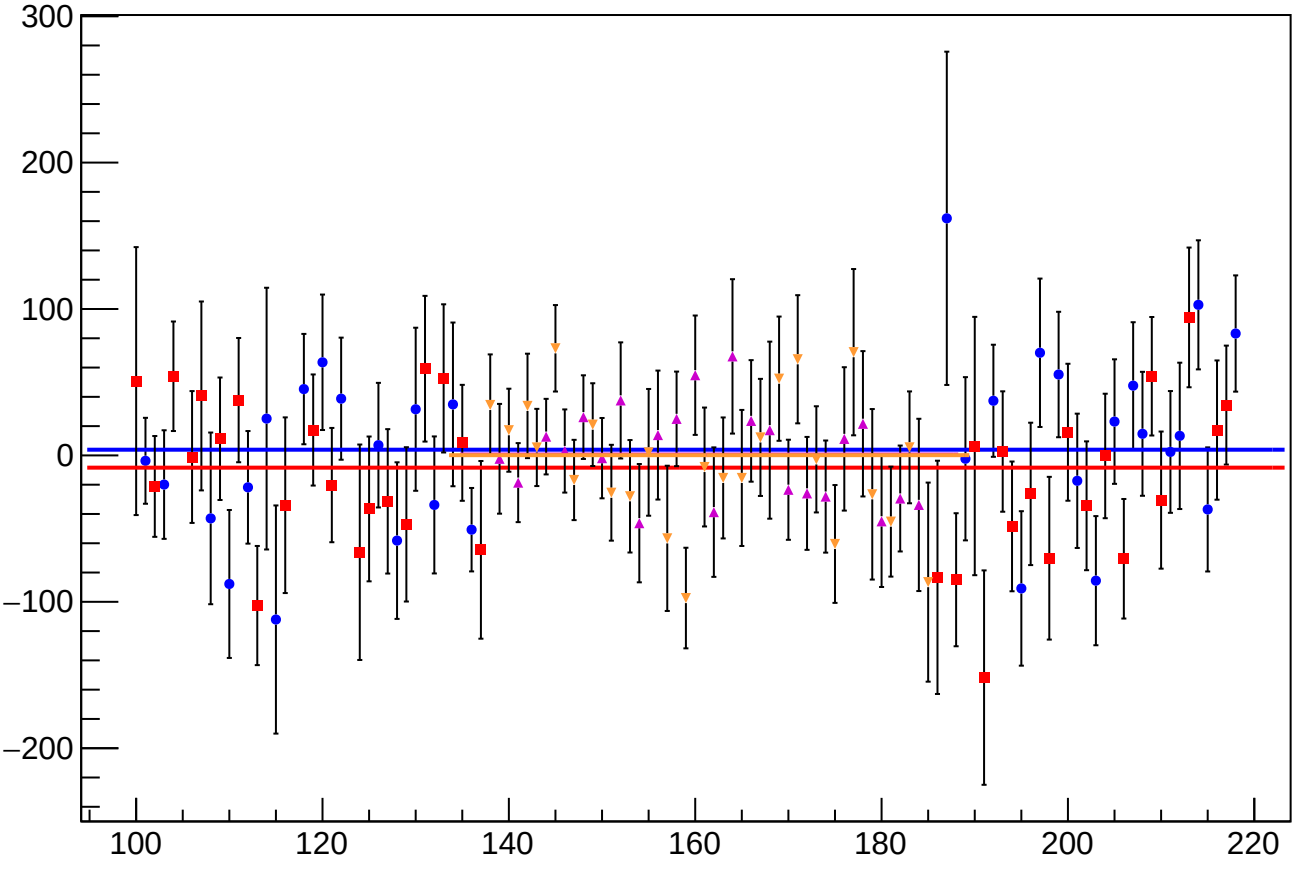
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 248.833+/-0.029 χ^2/NDF: 6058188.1/67

In: 275.867+/-0.033 χ^2/NDF:6813771.2/54

Out: 287.778+/-0.034 χ^2/NDF:6749652.5/60

All: 281.668+/-0.024 χ^2/NDF: 13625907.8/11



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: -8.366+/-7.827 χ^2/NDF: 38.9/35

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

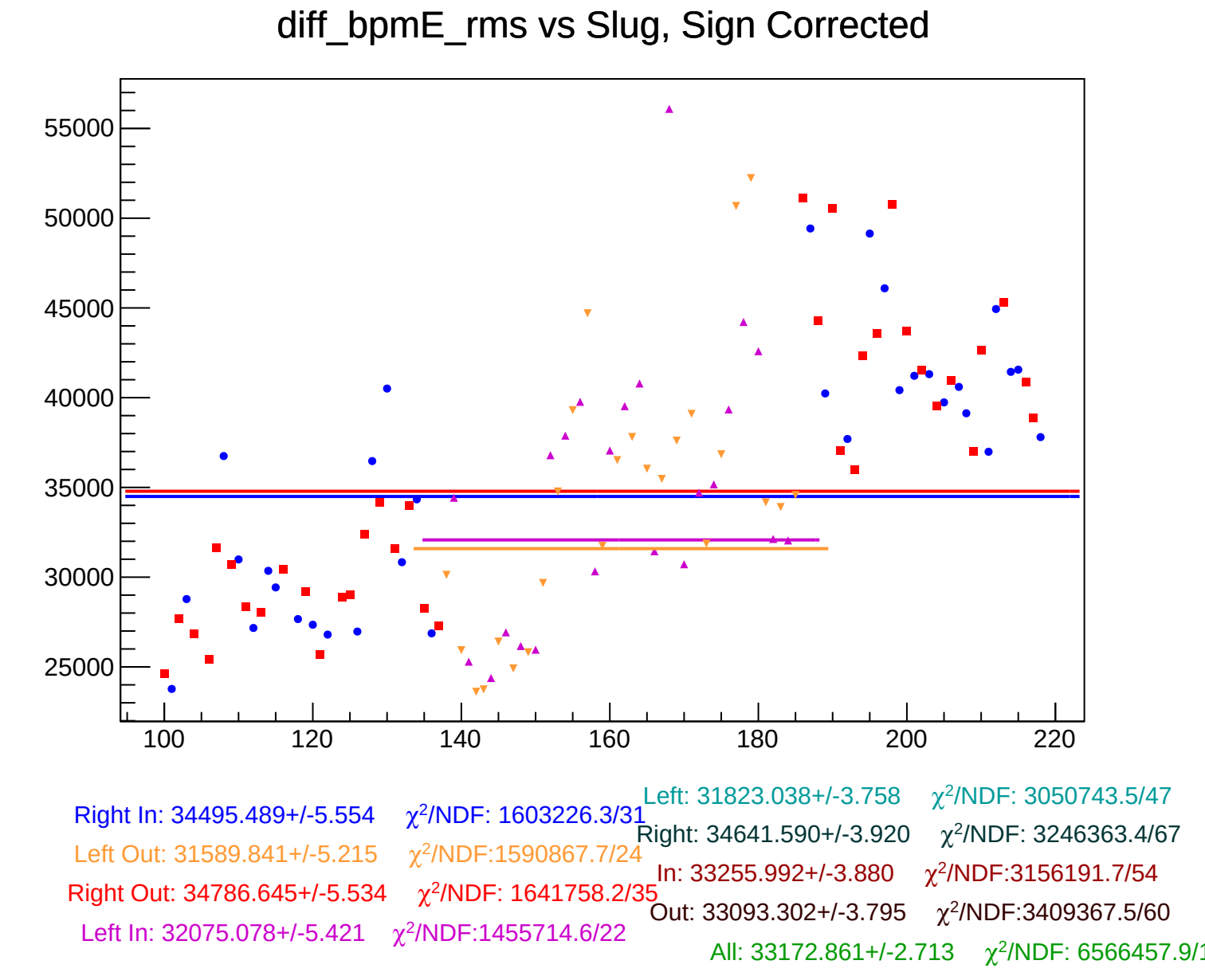
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -2.257+/-5.544 χ^2/NDF: 81.8/67

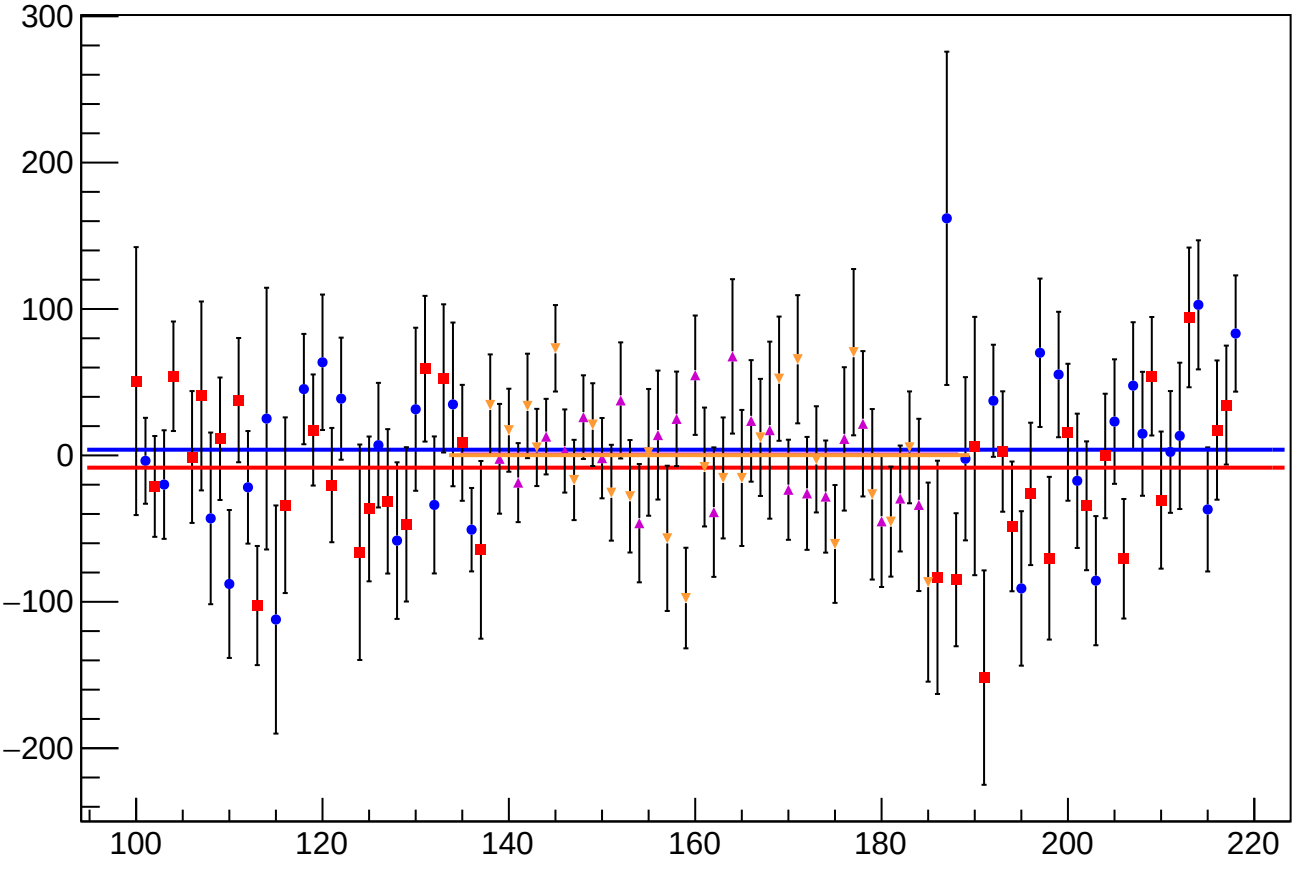
In: 2.201+/-5.487 χ^2/NDF:54.5/54

Out: -3.845+/-5.367 χ^2/NDF:70.7/60

All: -0.889+/-3.837 χ^2/NDF: 125.8/115


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: 34786.645+/-5.534 χ²/NDF: 1641758.2/35
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34641.590+/-3.920 χ²/NDF: 3246363.4/67
In: 33255.992+/-3.880 χ²/NDF:3156191.7/54
Out: 33093.302+/-3.795 χ²/NDF:3409367.5/60
All: 33172.861+/-2.713 χ²/NDF: 6566457.9/1

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: -8.366+/-7.827 χ^2/NDF: 38.9/35

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

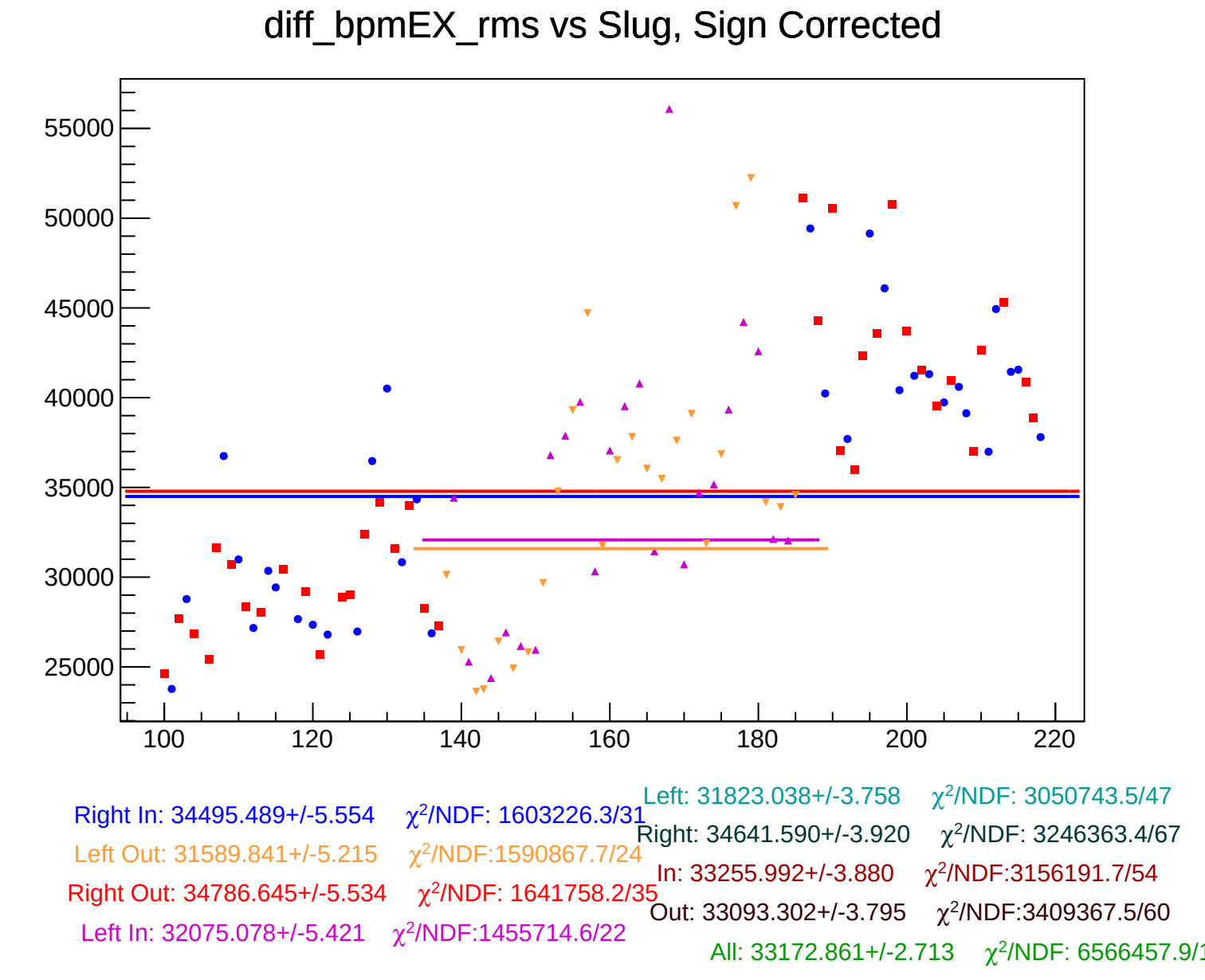
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -2.257+/-5.544 χ^2/NDF: 81.8/67

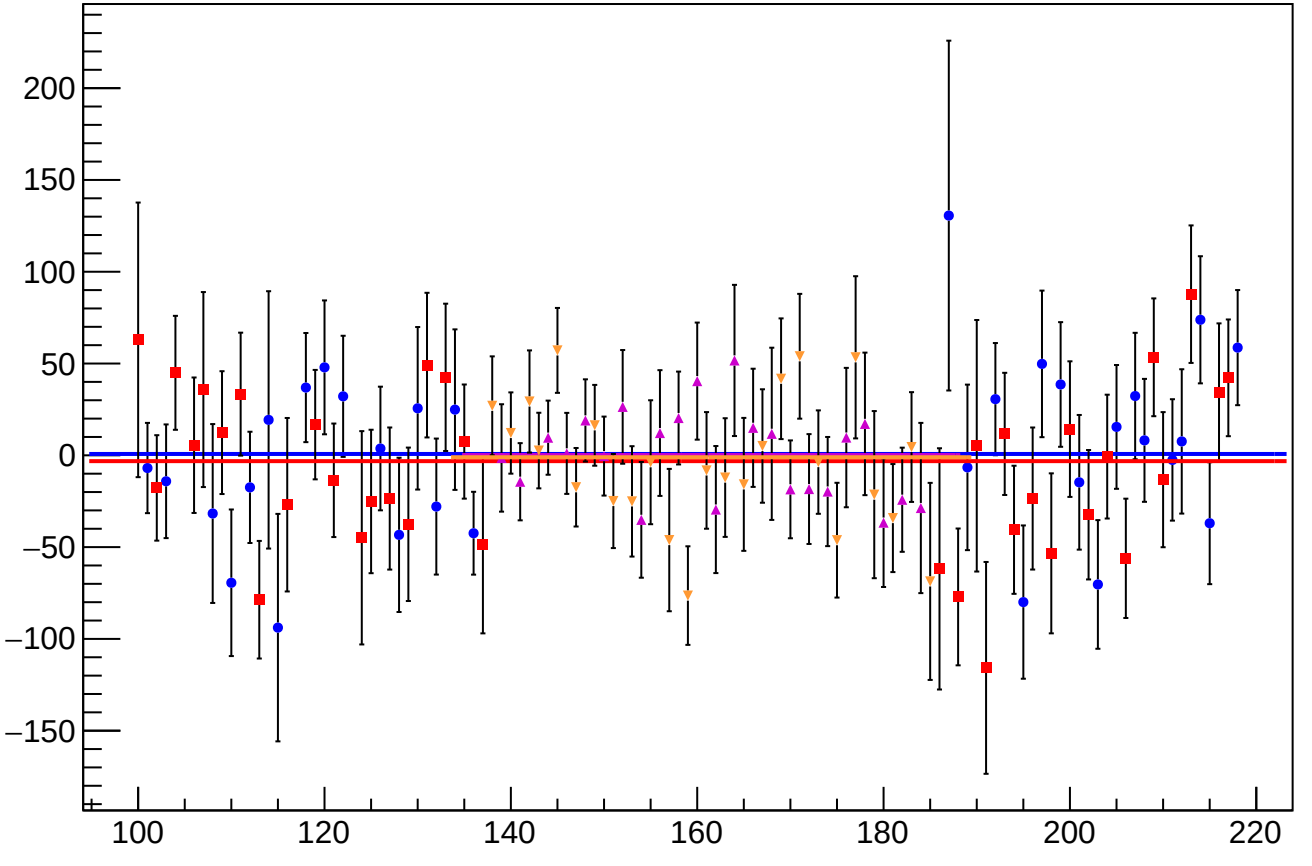
In: 2.201+/-5.487 χ^2/NDF:54.5/54

Out: -3.845+/-5.367 χ^2/NDF:70.7/60

All: -0.889+/-3.837 χ^2/NDF: 125.8/115


diff_bpmEX_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: 34786.645+/-5.534 χ²/NDF: 1641758.2/35
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34641.590+/-3.920 χ²/NDF: 3246363.4/67
In: 33255.992+/-3.880 χ²/NDF:3156191.7/54
Out: 33093.302+/-3.795 χ²/NDF:3409367.5/60
All: 33172.861+/-2.713 χ²/NDF: 6566457.9/1

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: -3.170+/-6.239 χ^2/NDF: 44.9/35

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

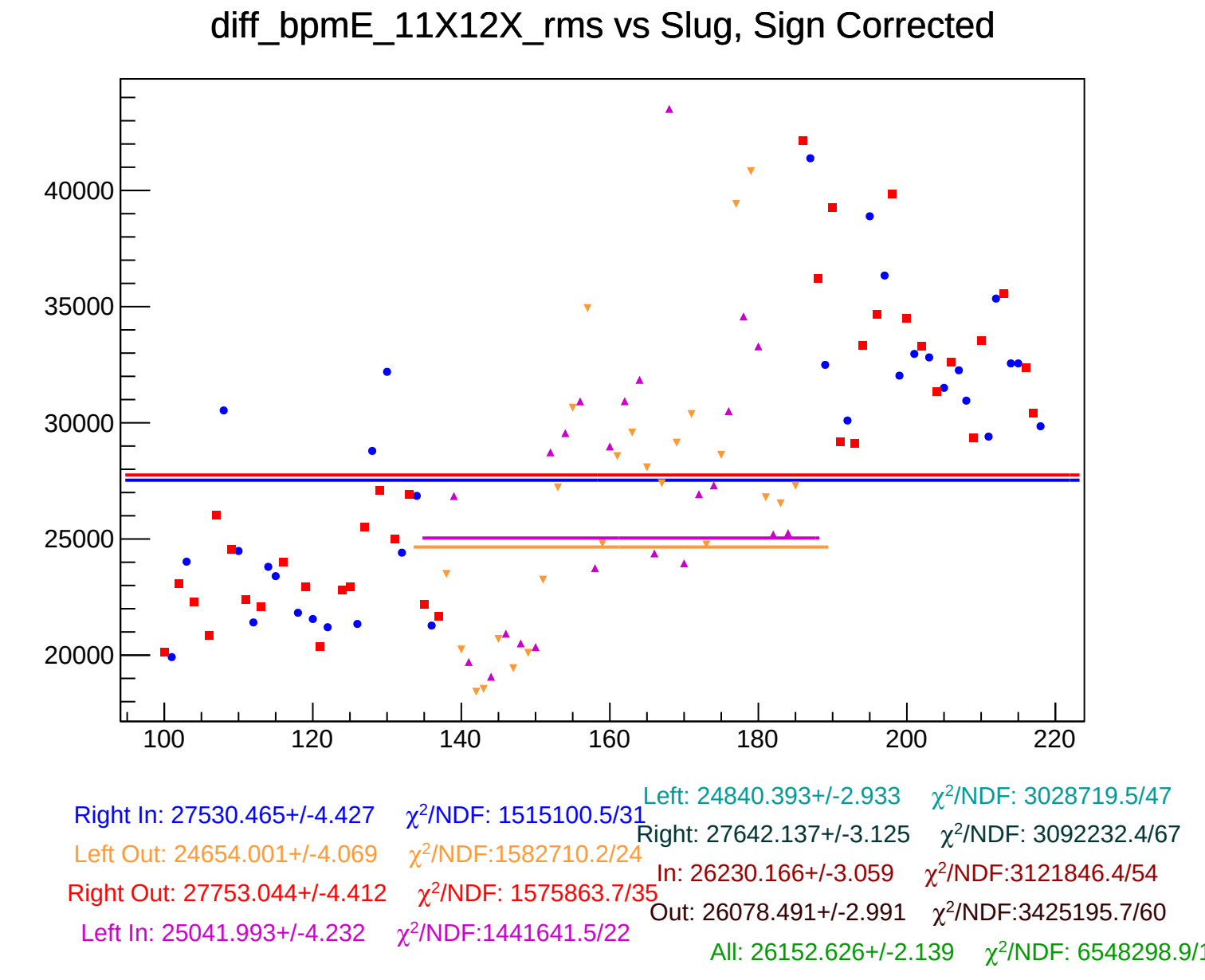
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -1.222+/-4.419 χ^2/NDF: 85.6/67

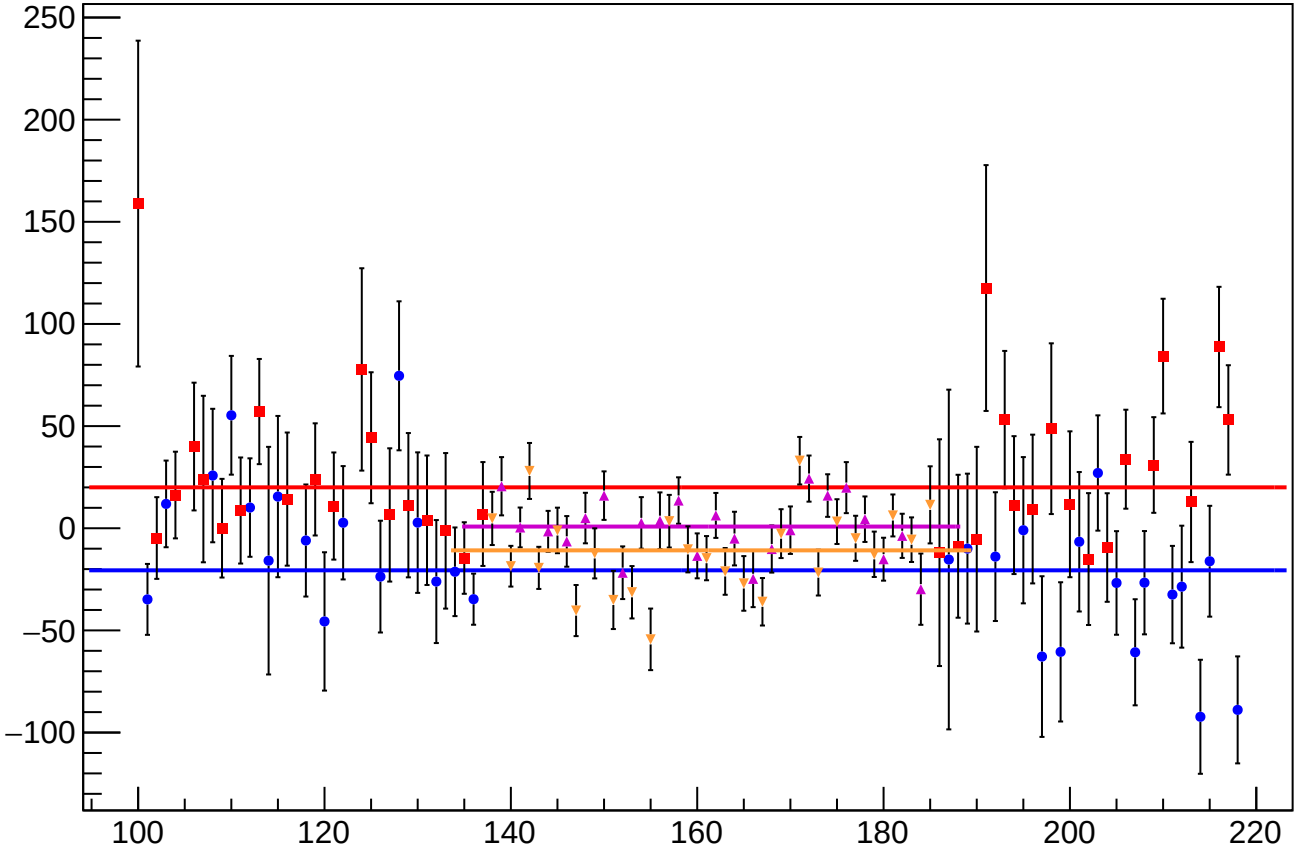
In: 0.430+/-4.326 χ^2/NDF:52.7/54

Out: -2.020+/-4.230 χ^2/NDF:77.3/60

All: -0.823+/-3.024 χ^2/NDF: 130.1/115


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: 27753.044+/-4.412 χ²/NDF: 1575863.7/35
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 27642.137+/-3.125 χ²/NDF: 3092232.4/67
In: 26230.166+/-3.059 χ²/NDF:3121846.4/54
Out: 26078.491+/-2.991 χ²/NDF:3425195.7/60
All: 26152.626+/-2.139 χ²/NDF: 6548298.9/1

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: 20.024+/-4.926 χ^2/NDF: 35.9/35

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

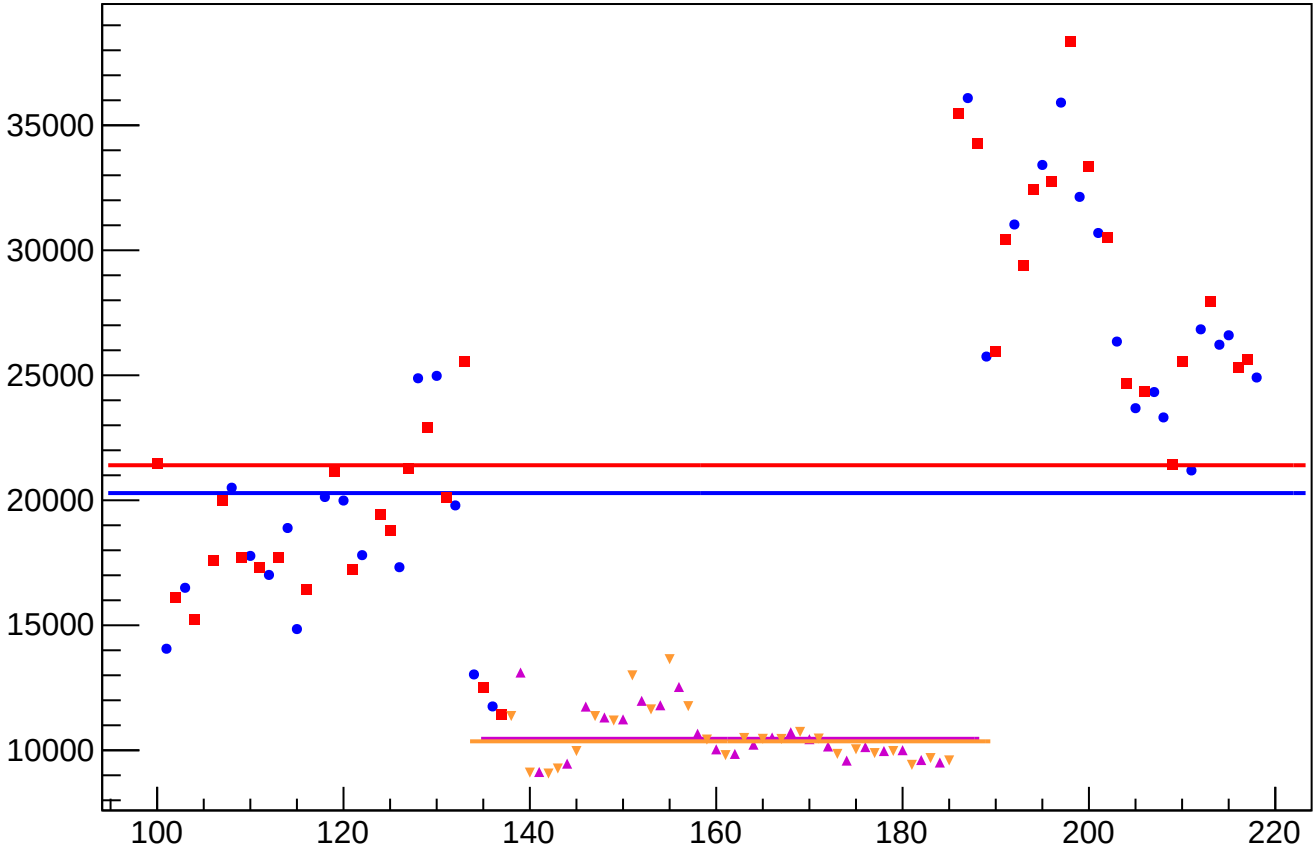
Right: -1.015+/-3.420 χ^2/NDF: 117.8/67

In: -3.692+/-2.183 χ^2/NDF:92.1/54

Out: -5.023+/-2.136 χ^2/NDF:129.0/60

All: -4.372+/-1.527 χ^2/NDF: 221.3/115

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: 21402.003+/-3.483 χ^2/NDF: 3432560.8/35

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

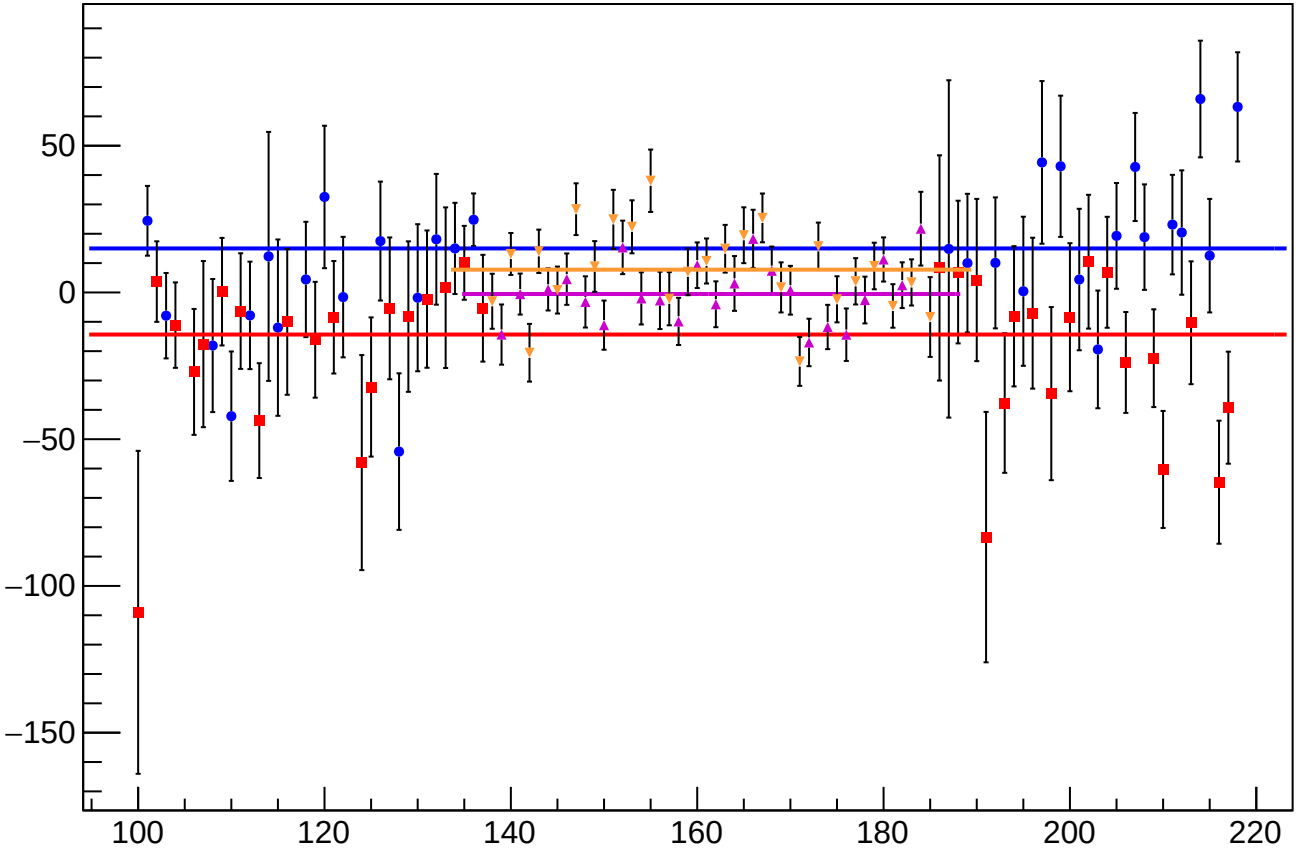
Right: 20825.085+/-2.418 χ^2/NDF: 7087273.5/67

In: 12532.362+/-1.543 χ^2/NDF:10667652.6/54

Out: 12434.693+/-1.510 χ^2/NDF:11957974.9/60

All: 12482.473+/-1.079 χ^2/NDF: 22627673.3

diff_bpm4aediffX_mean vs Slug, Sign Corrected



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: -14.339+/-3.522 χ^2/NDF: 36.7/35

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

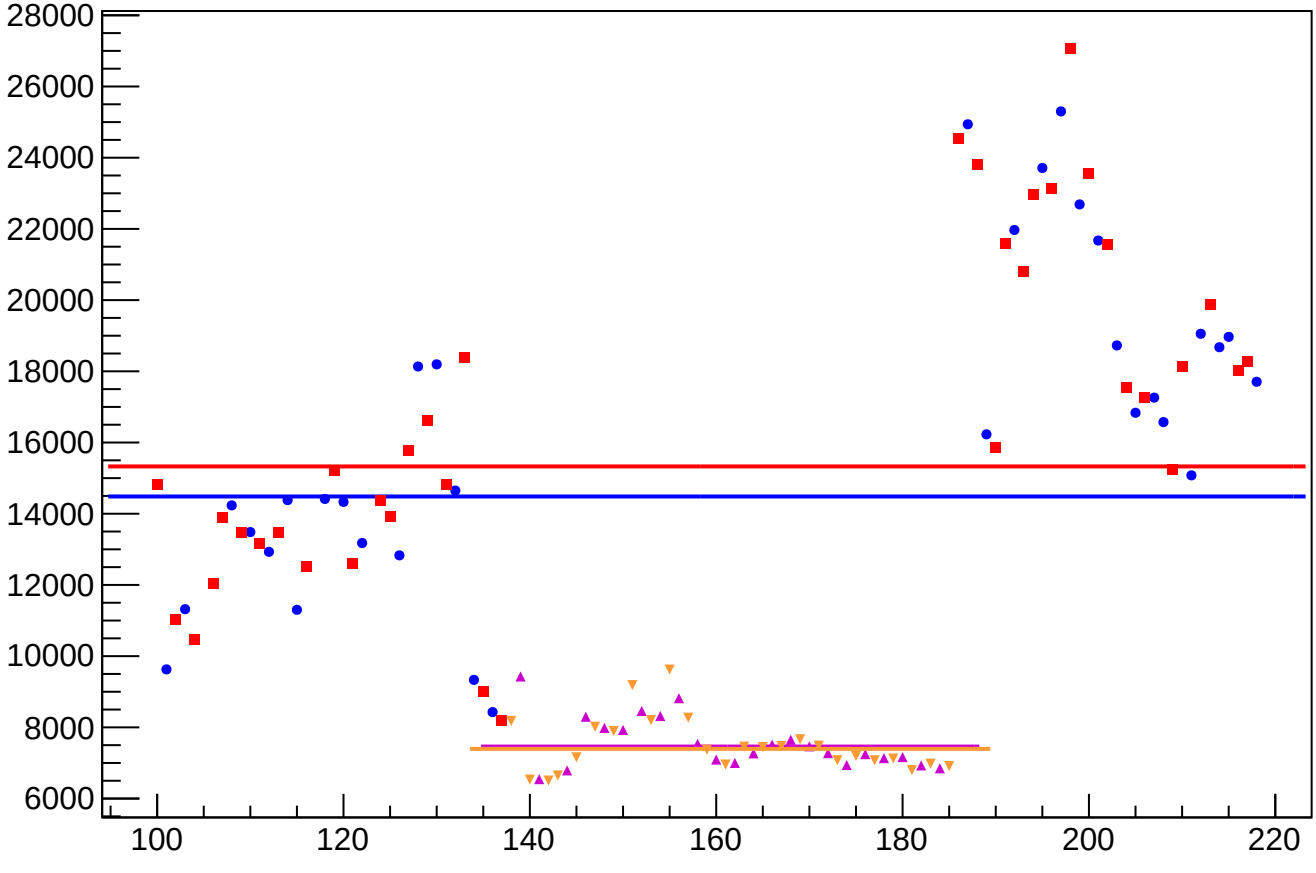
Right: 0.881+/-2.443 χ^2/NDF: 118.9/67

In: 2.739+/-1.557 χ^2/NDF:92.2/54

Out: 3.620+/-1.525 χ^2/NDF:129.7/60

All: 3.189+/-1.089 χ^2/NDF: 222.0/115

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: 15328.469+/-2.490 χ^2/NDF: 3299329.5/35

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

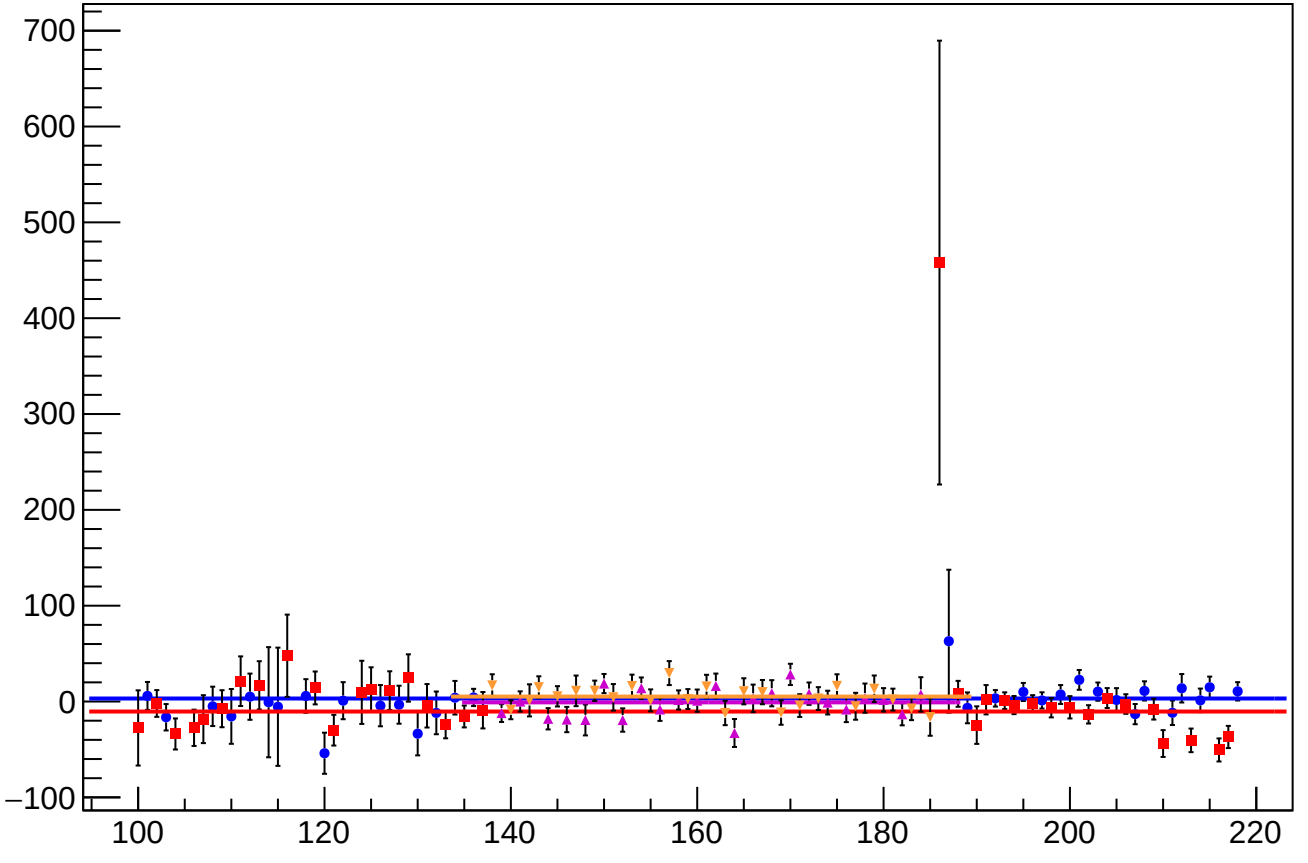
Right: 14890.691+/-1.727 χ^2/NDF: 6891717.1/67

In: 8940.198+/-1.101 χ^2/NDF:10587567.7/54

Out: 8882.576+/-1.078 χ^2/NDF:11869237.8/60

All: 8910.791+/-0.770 χ^2/NDF: 22458204.3/1

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: -10.447+/-2.328 χ^2/NDF: 58.7/35

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

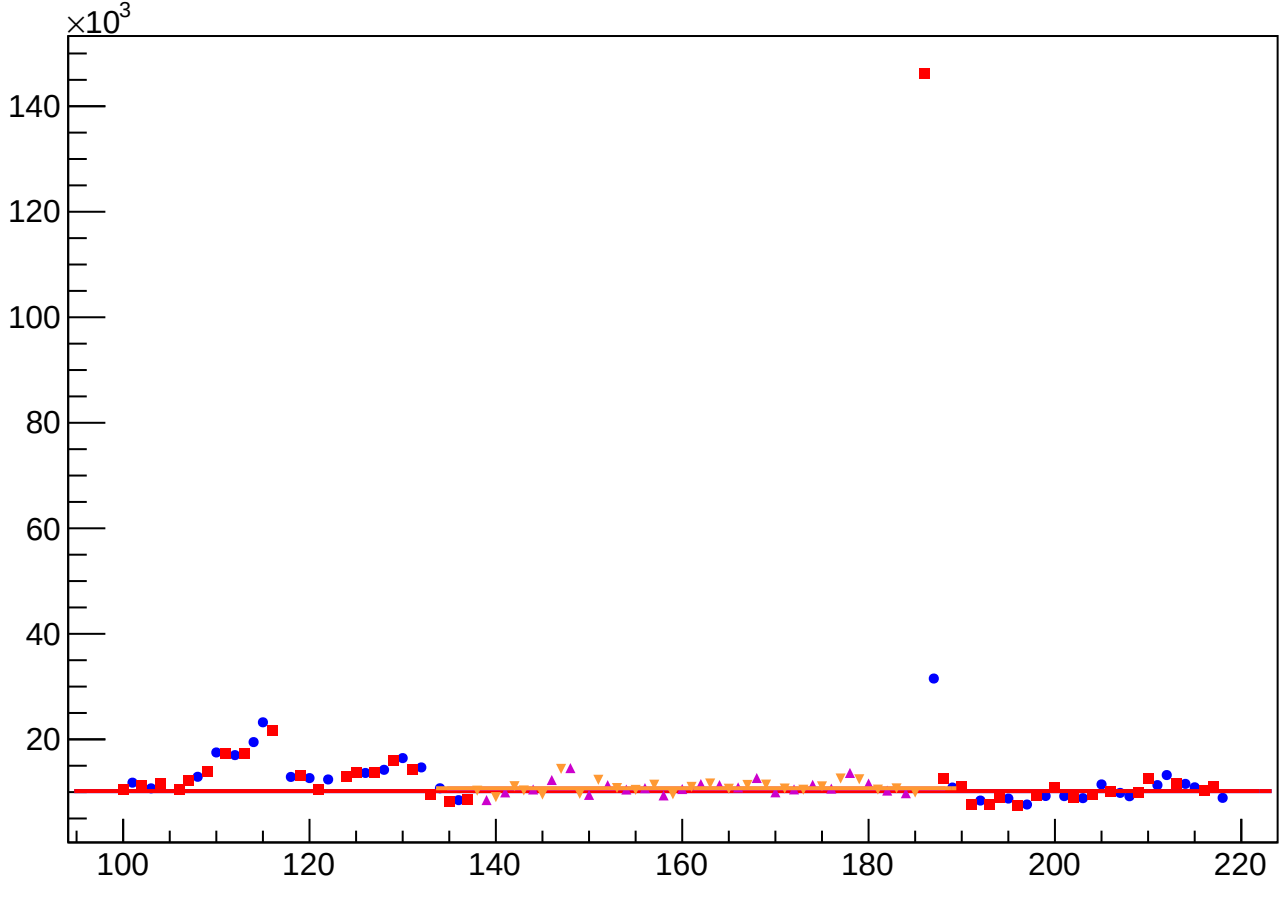
Right: -3.670+/-1.649 χ^2/NDF: 101.4/67

In: 1.282+/-1.712 χ^2/NDF:58.8/54

Out: -3.063+/-1.690 χ^2/NDF:98.4/60

All: -0.918+/-1.203 χ^2/NDF: 160.5/115

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: 10195.291+/-1.646 χ^2/NDF: 2403188.2/35

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

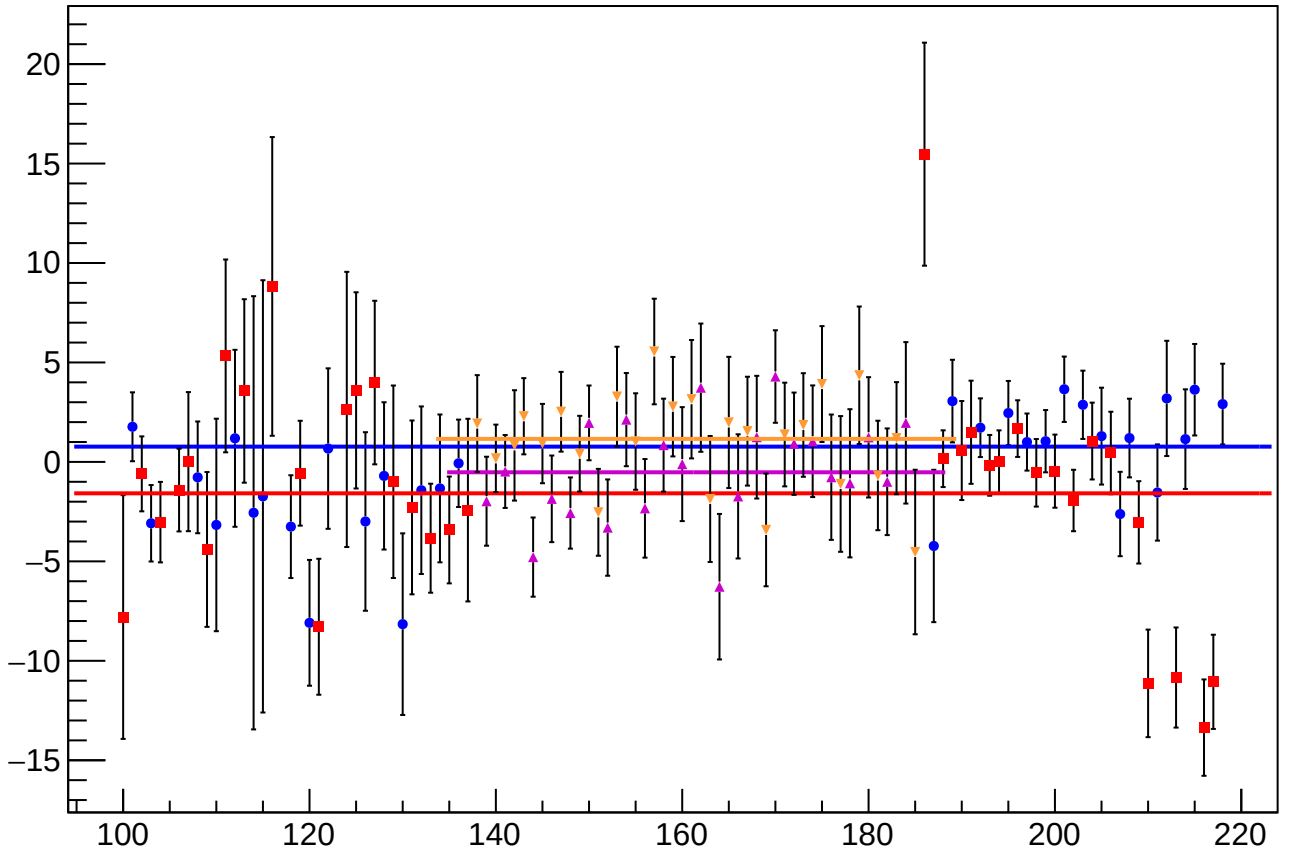
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10188.049+/-1.166 χ^2/NDF: 4204410.5/67

In: 10410.217+/-1.211 χ^2/NDF:2343538.5/54

Out: 10449.779+/-1.195 χ^2/NDF:2822045.4/60

All: 10430.252+/-0.851 χ^2/NDF: 5166124.6/1



Right In: 0.768+/-0.411 χ^2/NDF: 37.0/31

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: -1.580+/-0.395 χ^2/NDF: 106.0/35

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

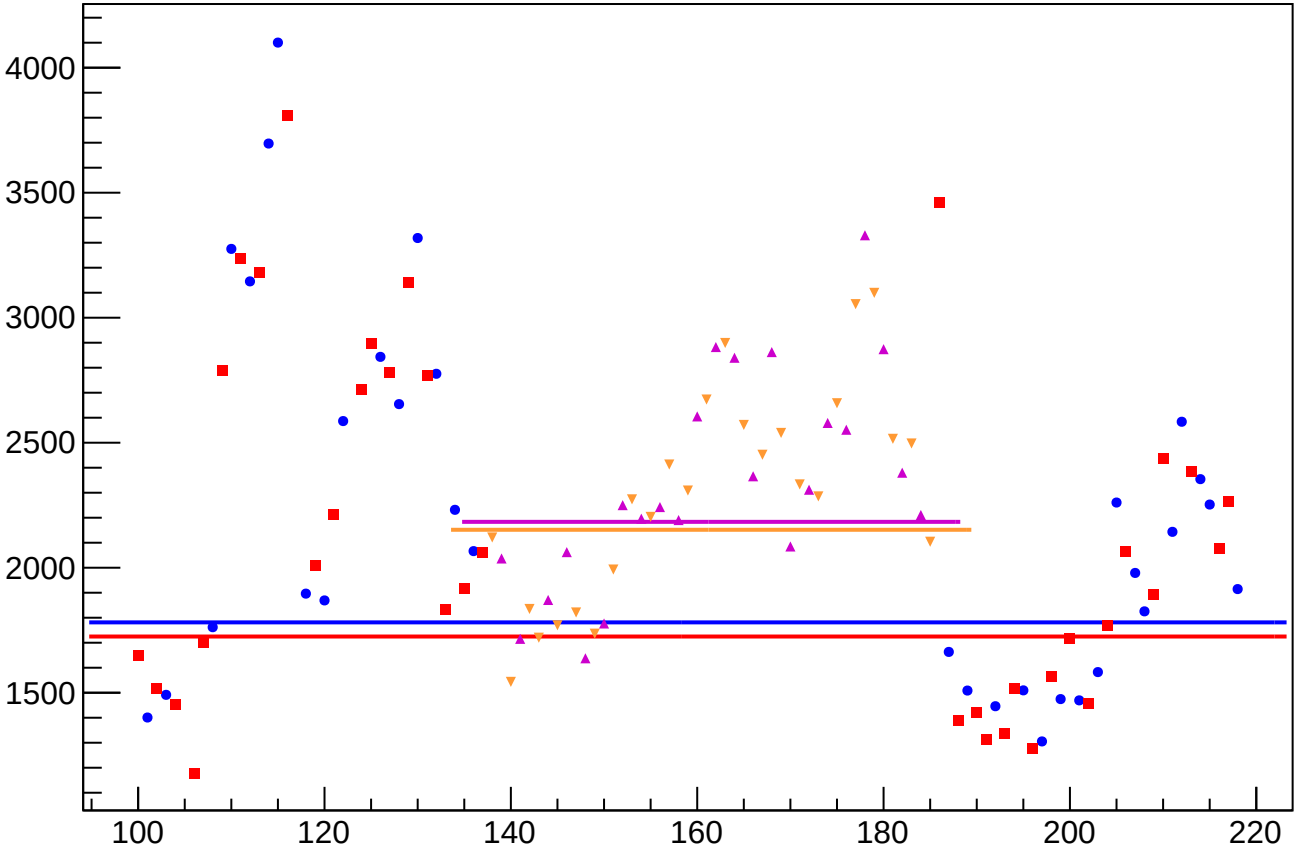
Right: -0.451+/-0.285 χ^2/NDF: 160.0/67

In: 0.272+/-0.322 χ^2/NDF:63.1/54

Out: -0.527+/-0.310 χ^2/NDF:141.3/60

All: -0.143+/-0.223 χ^2/NDF: 207.6/115

diff_bpm4aediffY_rms vs Slug, Sign Corrected



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: 1724.823+/-0.280 χ^2/NDF: 2868267.8/35

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

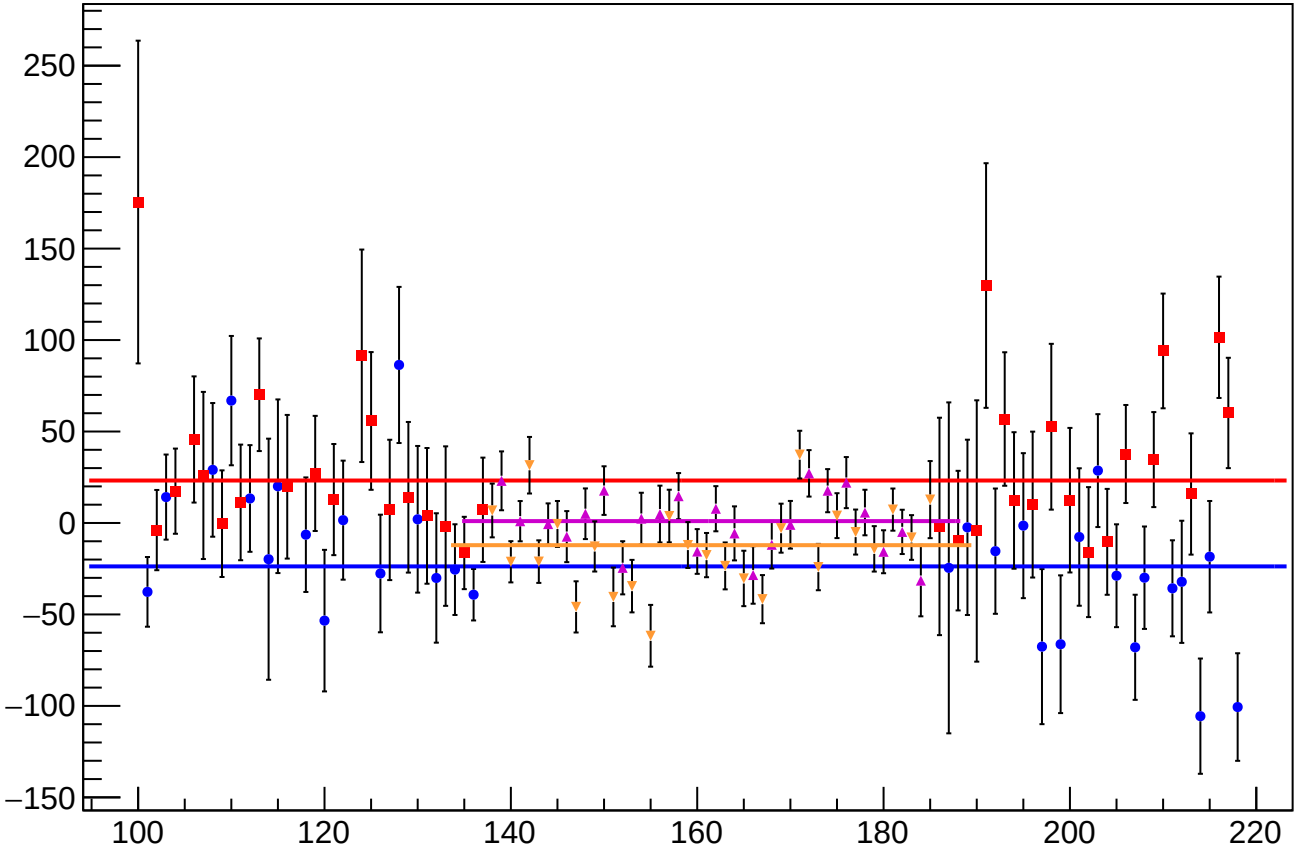
Right: 1752.023+/-0.201 χ^2/NDF: 5320781.9/67

In: 1935.963+/-0.228 χ^2/NDF:4331605.9/54

Out: 1889.011+/-0.219 χ^2/NDF:5114722.0/60

All: 1911.584+/-0.158 χ^2/NDF: 9468363.1/11

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: 23.214+/-5.584 χ^2/NDF: 35.9/35

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

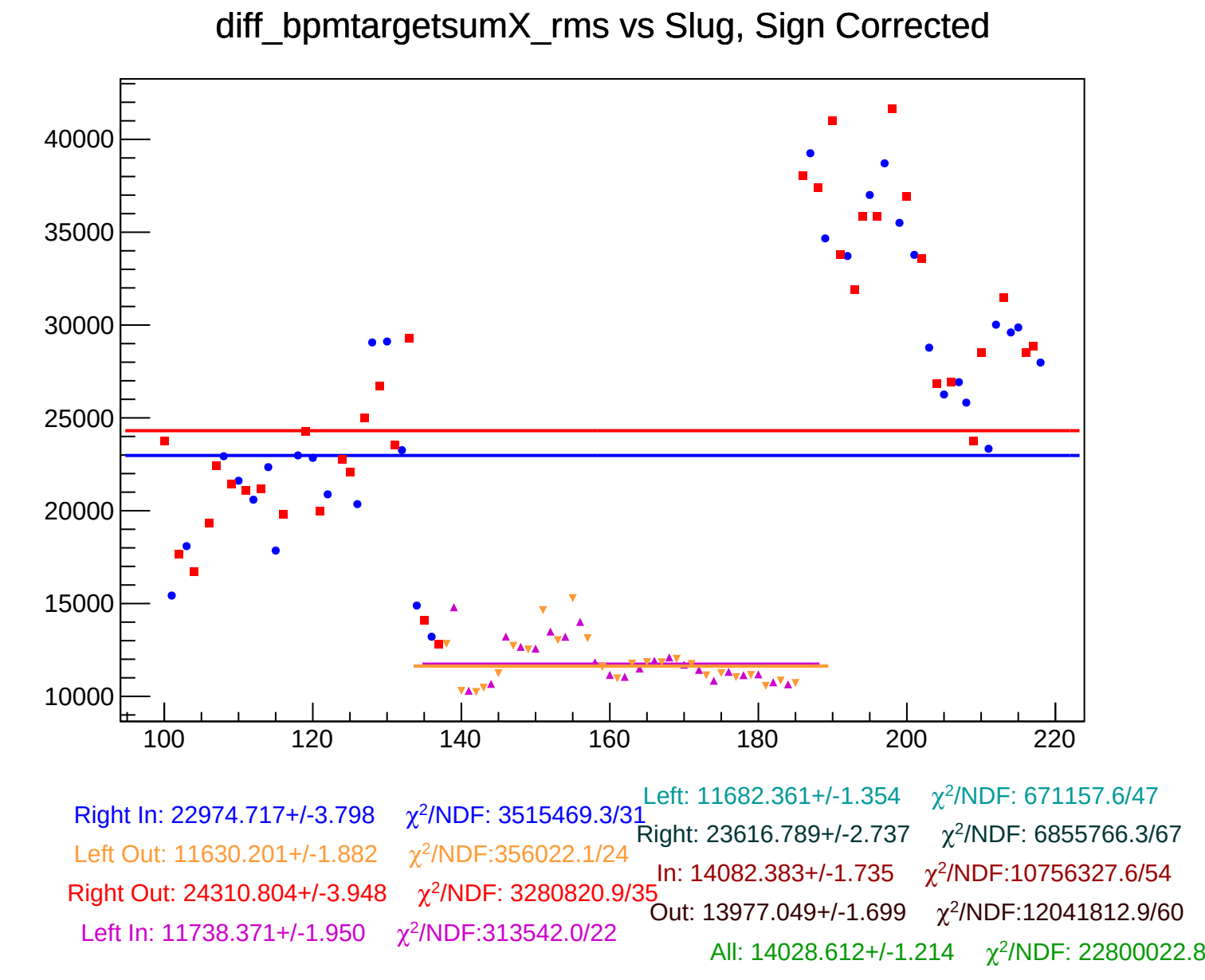
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

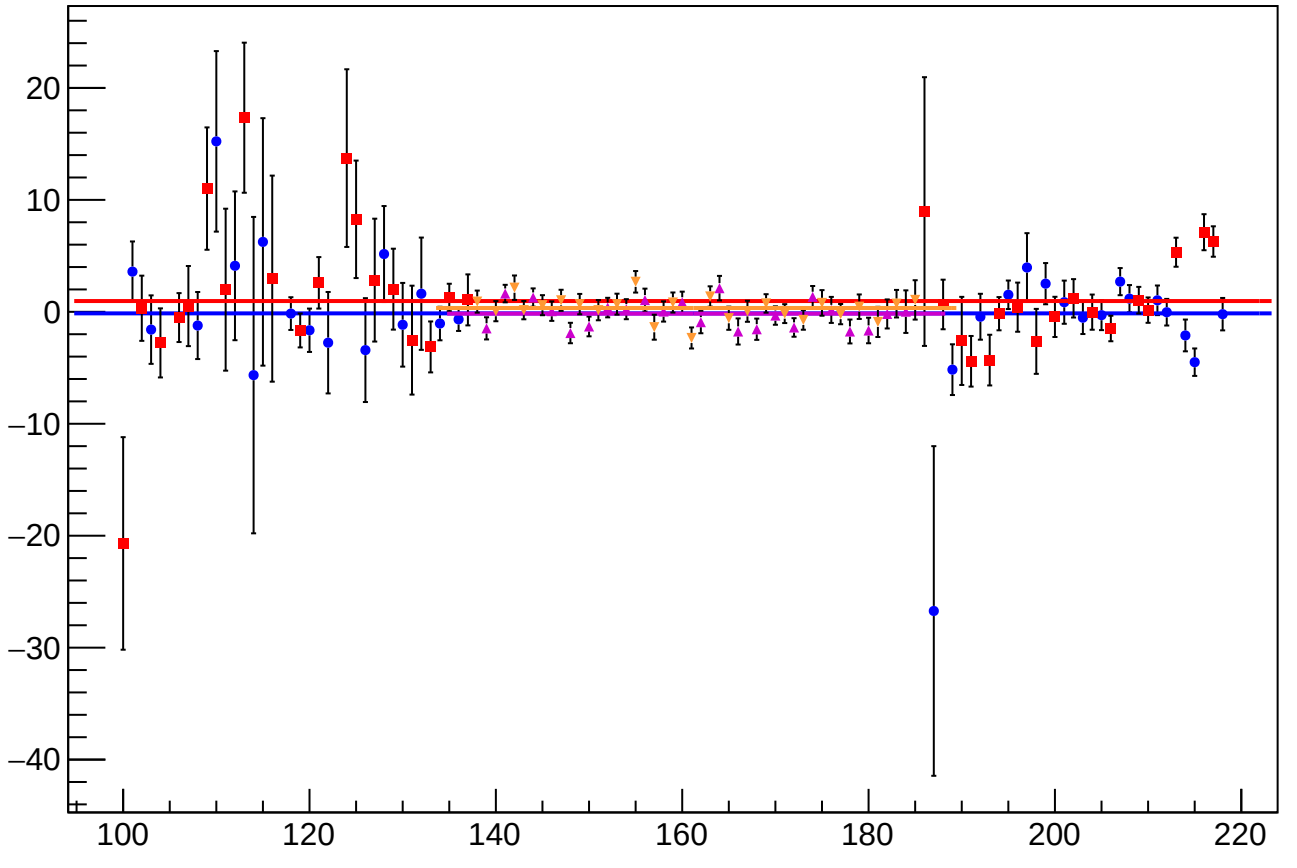
Right: -1.174+/-3.871 χ^2/NDF: 119.2/67

In: -4.141+/-2.453 χ^2/NDF:92.1/54

Out: -5.592+/-2.402 χ^2/NDF:131.2/60

All: -4.882+/-1.716 χ^2/NDF: 223.5/115


diff_bpmtargetsumX_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 22974.717+/-3.798 χ²/NDF: 3515469.3/31
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 24310.804+/-3.948 χ²/NDF: 3280820.9/35
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
Left: 11682.361+/-1.354 χ²/NDF: 671157.6/47
Right: 23616.789+/-2.737 χ²/NDF: 6855766.3/67
In: 14082.383+/-1.735 χ²/NDF:10756327.6/54
Out: 13977.049+/-1.699 χ²/NDF:12041812.9/60
All: 14028.612+/-1.214 χ²/NDF: 22800022.8



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: 0.963+/-0.338 χ^2/NDF: 90.6/35

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

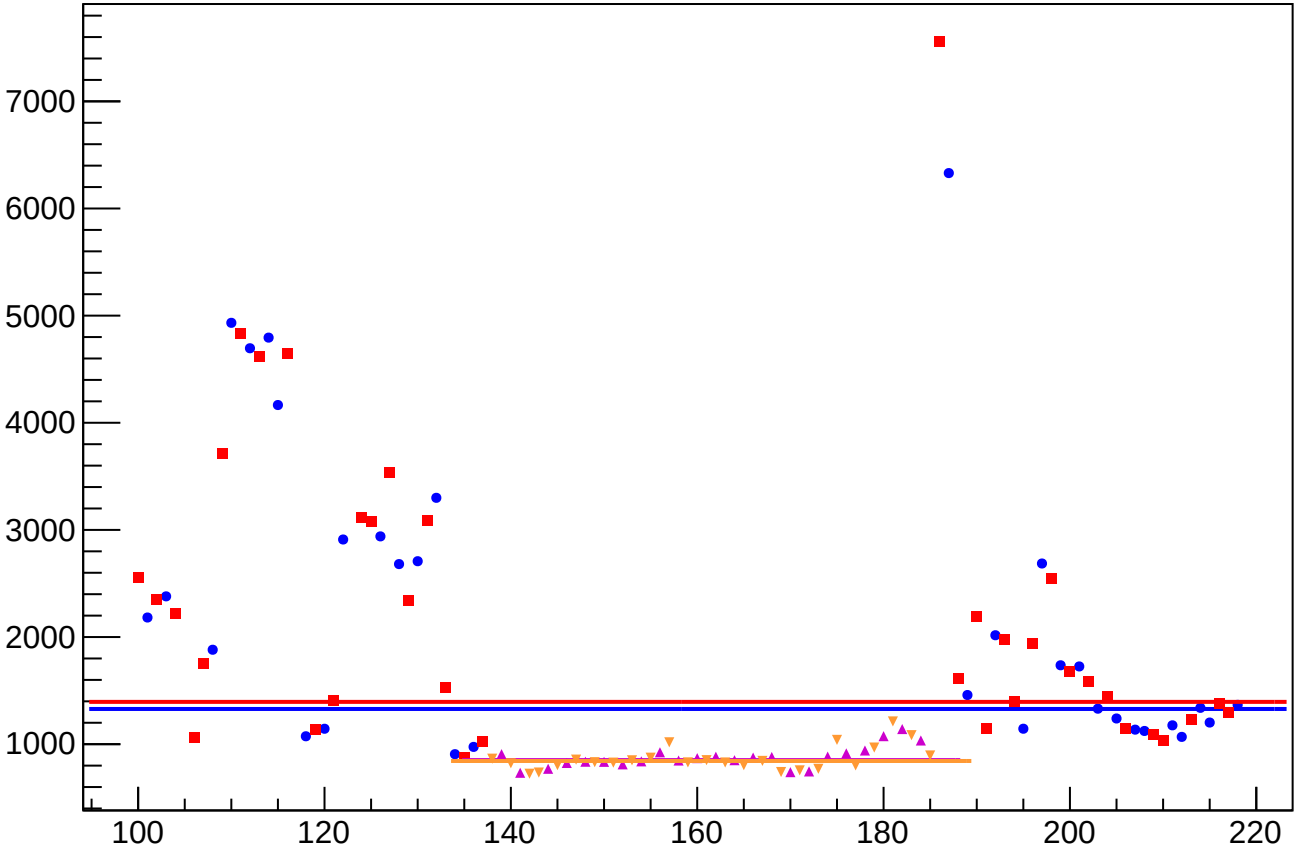
Right: 0.382+/-0.232 χ^2/NDF: 143.0/67

In: -0.157+/-0.170 χ^2/NDF:83.1/54

Out: 0.496+/-0.168 χ^2/NDF:119.9/60

All: 0.173+/-0.120 χ^2/NDF: 210.5/115

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: 1394.945+/-0.239 χ^2/NDF: 5219295.2/35

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

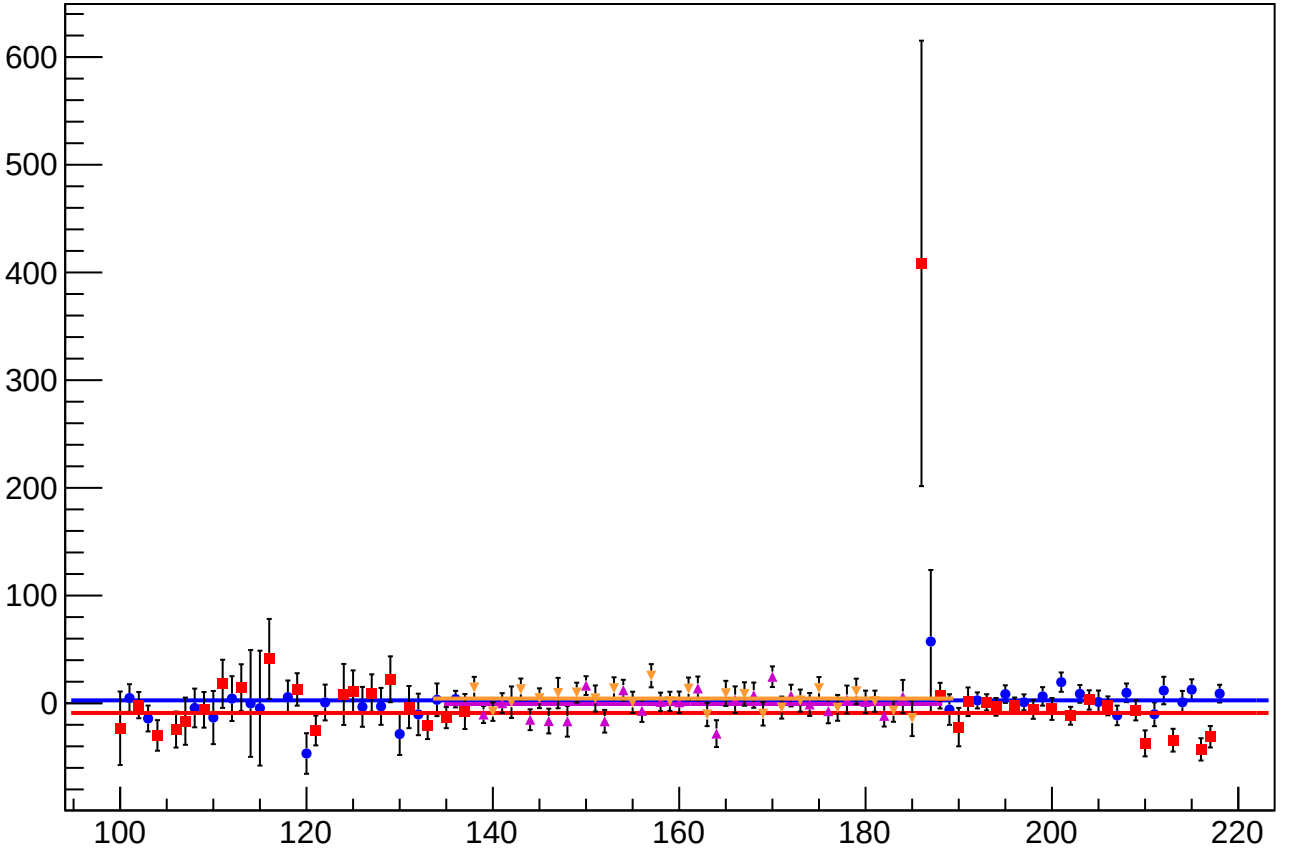
Right: 1359.986+/-0.164 χ^2/NDF: 10006131.1/67

In: 986.842+/-0.120 χ^2/NDF:8326658.2/54

Out: 979.919+/-0.119 χ^2/NDF:9740586.3/60

All: 983.340+/-0.085 χ^2/NDF: 18068921.8/11

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: -9.003+/-2.018 χ^2/NDF: 57.2/35

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

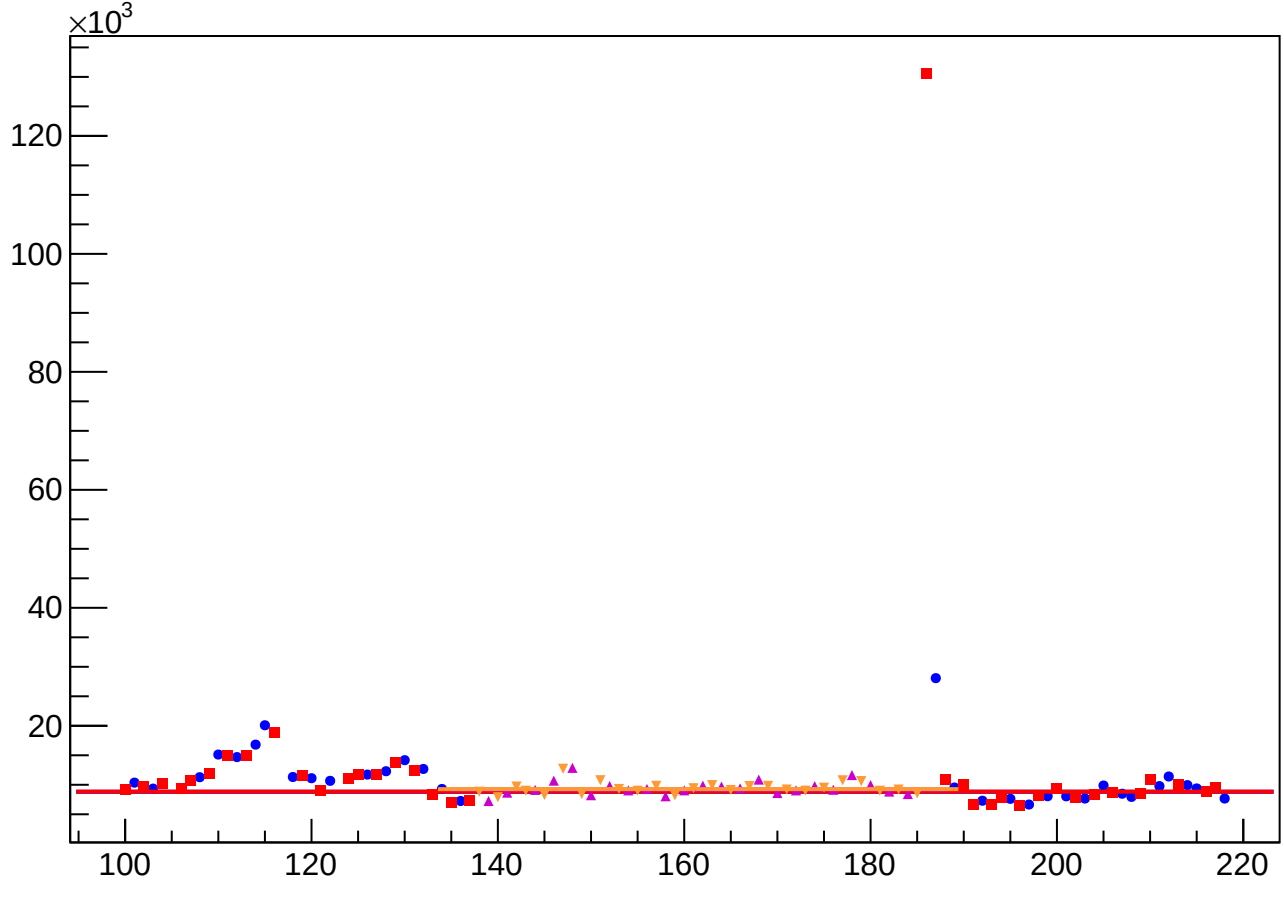
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -3.167+/-1.428 χ^2/NDF: 99.2/67

In: 1.098+/-1.479 χ^2/NDF:58.6/54

Out: -2.644+/-1.462 χ^2/NDF:96.7/60

All: -0.794+/-1.040 χ^2/NDF: 158.6/115



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: 8838.217+/-1.427 χ^2/NDF: 2399908.3/35

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

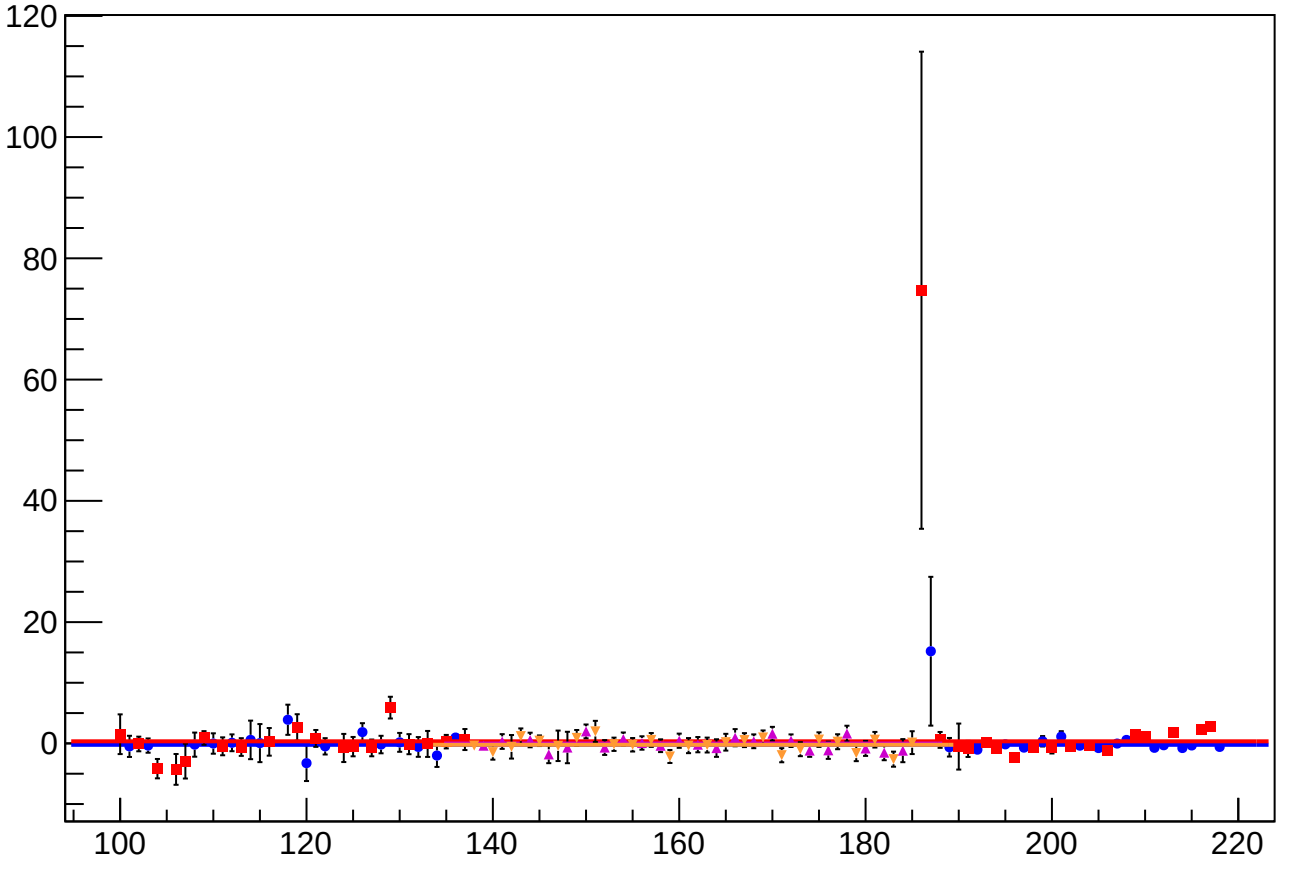
Right: 8825.183+/-1.010 χ^2/NDF: 4206733.2/67

In: 8992.060+/-1.046 χ^2/NDF:2356277.7/54

Out: 9039.327+/-1.034 χ^2/NDF:2807776.5/60

All: 9015.966+/-0.735 χ^2/NDF: 5165086.9/11

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



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: 0.345+/-0.170 χ^2/NDF: 91.1/35

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

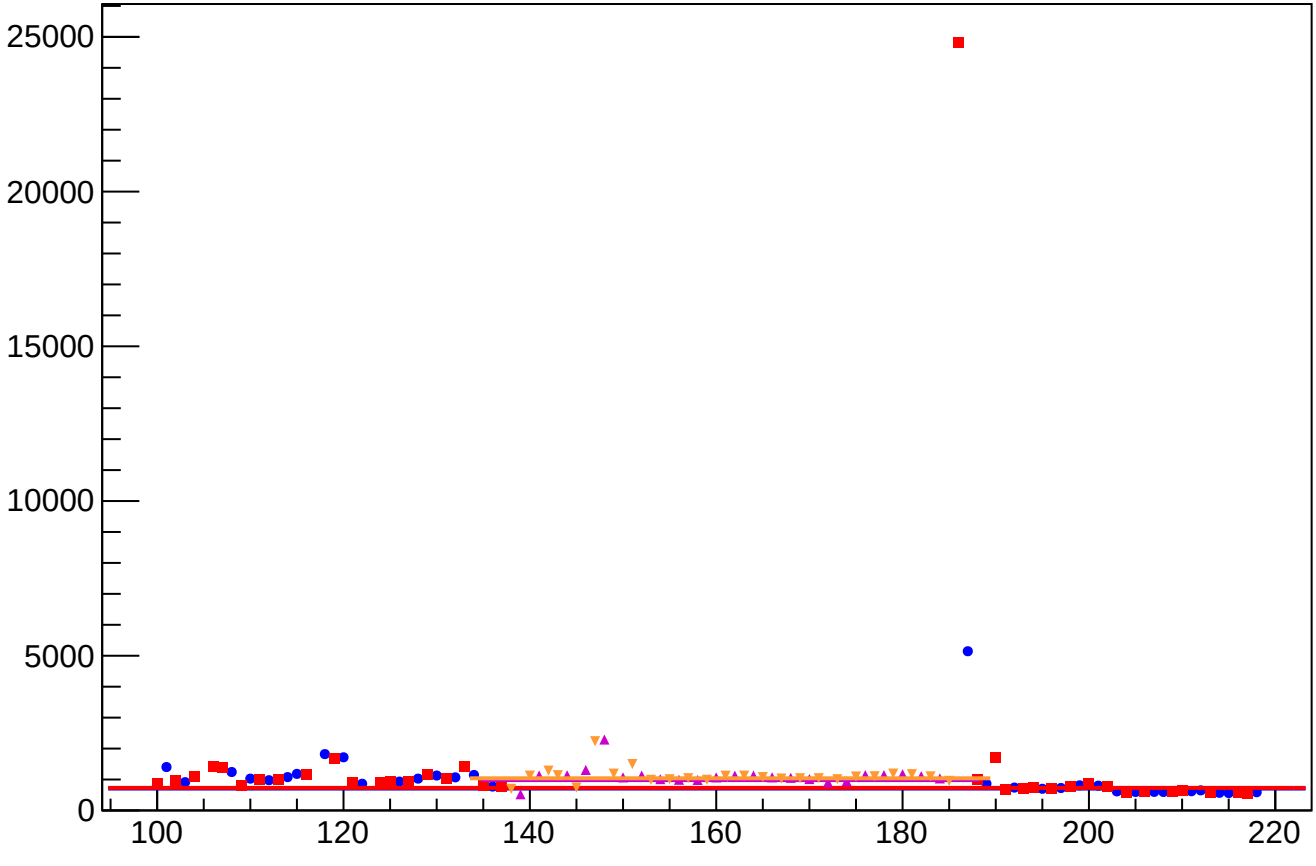
Right: 0.047+/-0.118 χ^2/NDF: 116.2/67

In: -0.166+/-0.136 χ^2/NDF:34.9/54

Out: 0.156+/-0.139 χ^2/NDF:113.8/60

All: -0.009+/-0.097 χ^2/NDF: 151.5/115

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: 729.159+/-0.120 χ^2/NDF: 3225458.5/35

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

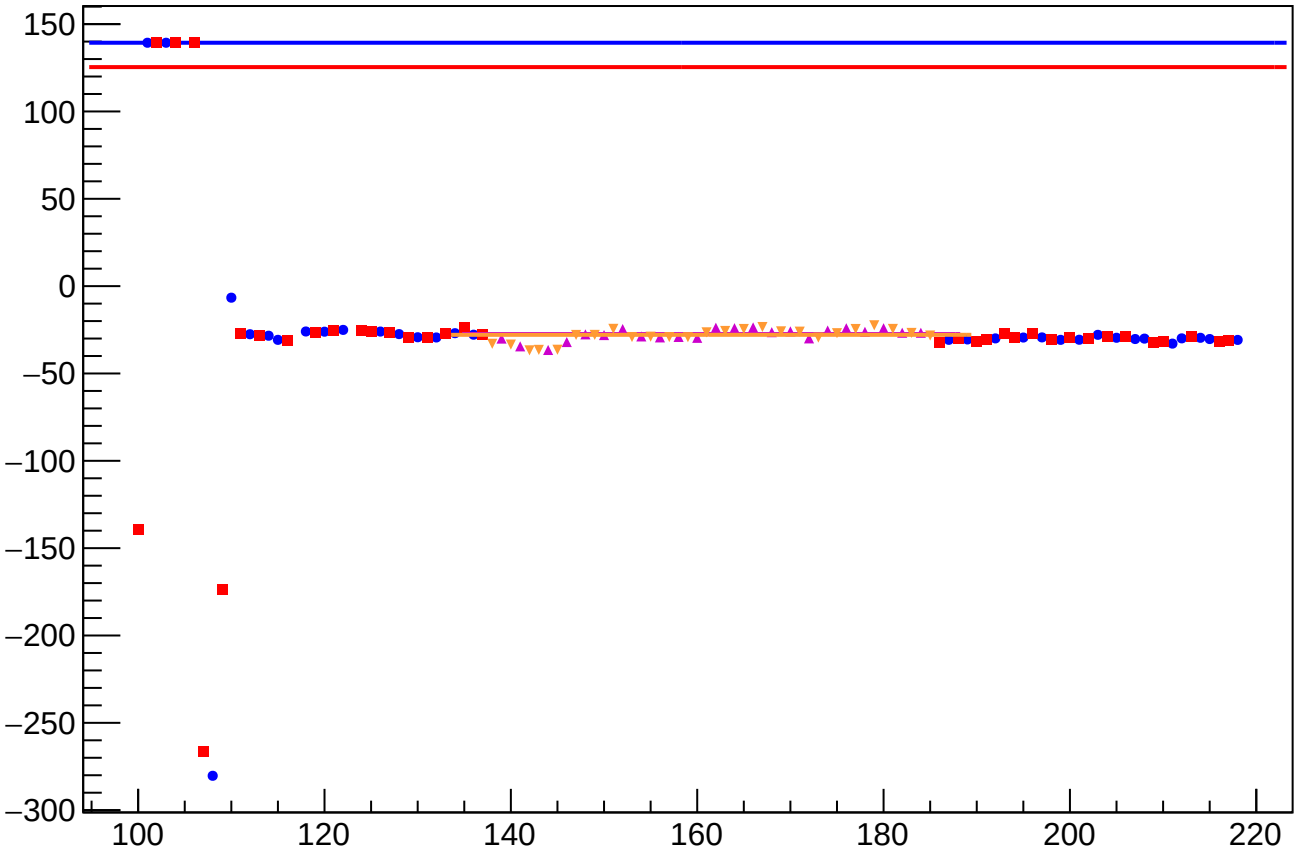
Right: 718.411+/-0.084 χ^2/NDF: 6058188.1/67

In: 796.459+/-0.096 χ^2/NDF:6813771.2/54

Out: 830.850+/-0.099 χ^2/NDF:6749652.5/60

All: 813.209+/-0.069 χ^2/NDF: 13625907.8/1

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: 774192236728746.4/35

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

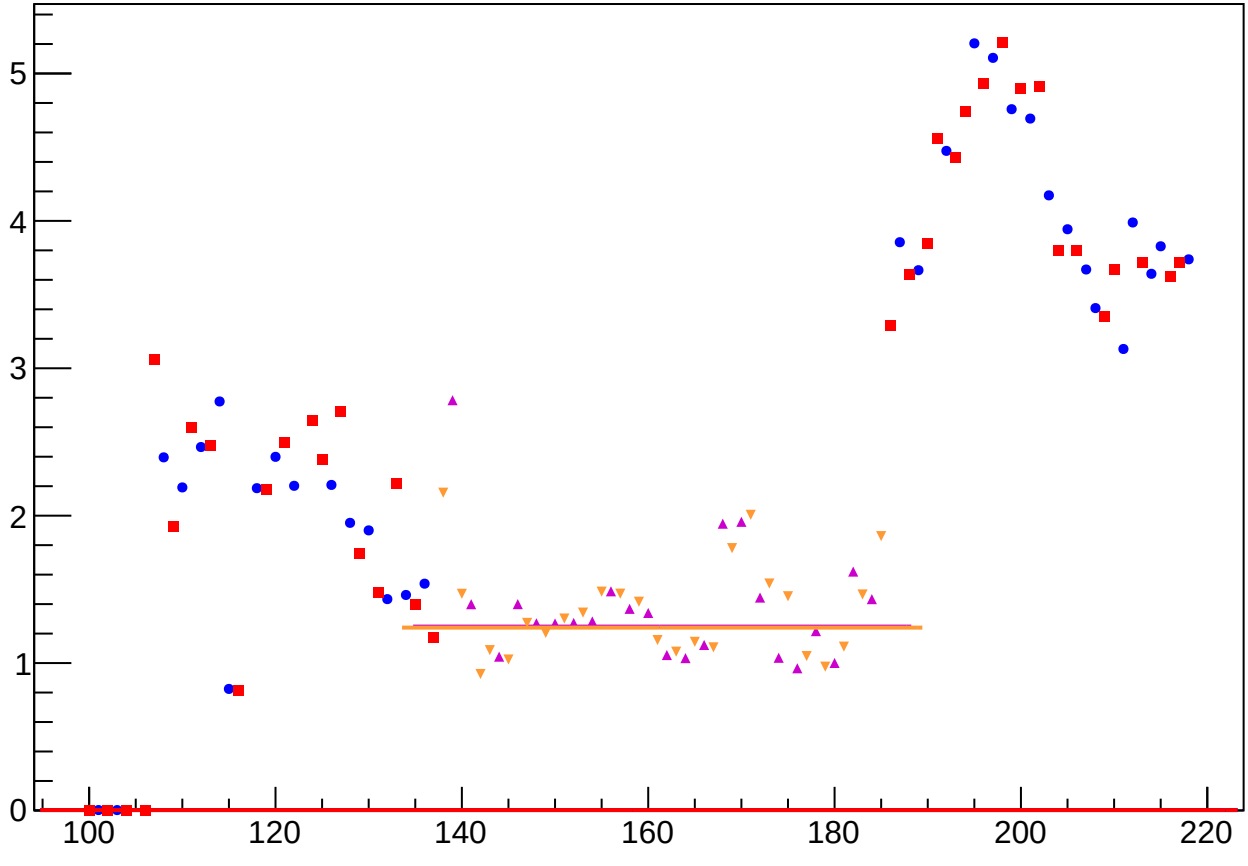
Right: 131.818+/-0.000 χ^2/NDF: 793046466167651

In: 139.328+/-0.000 χ^2/NDF:324191693830.0/54

Out: 125.384+/-0.000 χ^2/NDF:774422924144058.

All: 131.810+/-0.000 χ^2/NDF: 79352887683

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: 35252053.4/35

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

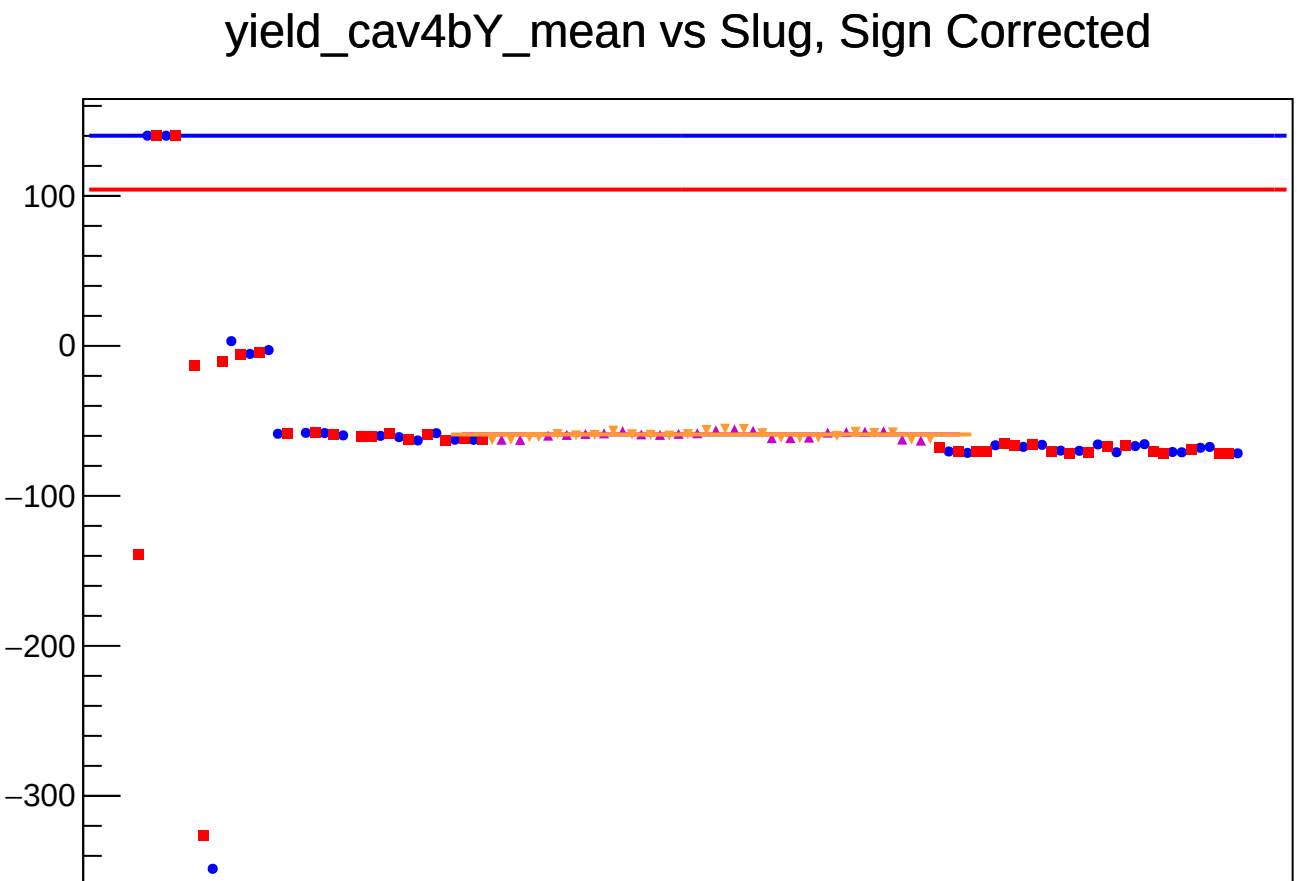
Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

Right: 0.003+/-0.000 χ^2/NDF: 69884649.1/67

In: 0.003+/-0.000 χ^2/NDF:64397355.8/54

Out: 0.003+/-0.000 χ^2/NDF:66551717.0/60

All: 0.003+/-0.000 χ^2/NDF: 130949363.1/115



Right In: 140.133+/-0.000 χ^2/NDF: 586812166126.3/31

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.216+/-0.000 χ^2/NDF: 1257687074400449.5/35

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

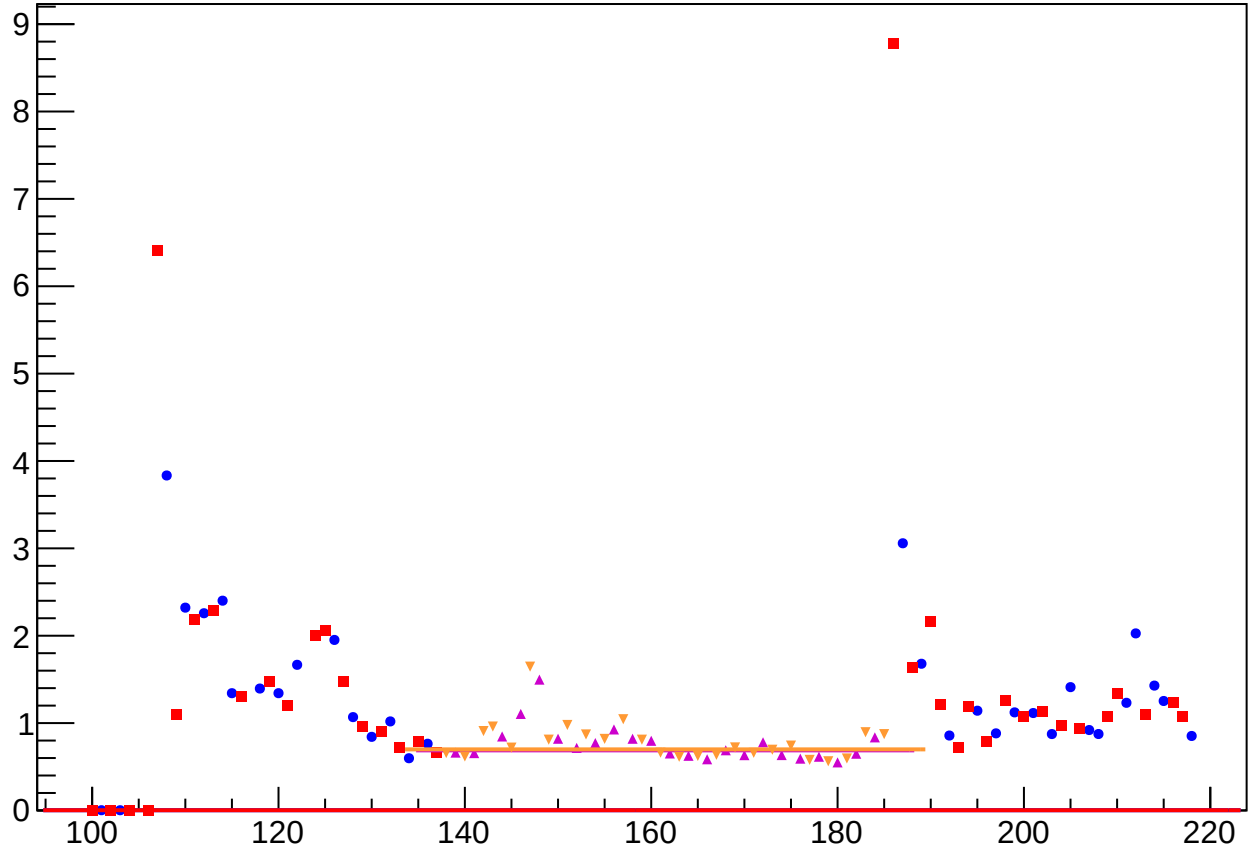
Right: 120.822+/-0.000 χ^2/NDF: 138156705065039

In: 140.097+/-0.000 χ^2/NDF:1862278478532.2/54

Out: 104.191+/-0.000 χ^2/NDF:1258558645023281

All: 120.792+/-0.000 χ^2/NDF: 13836650251

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: 32641397.7/35

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

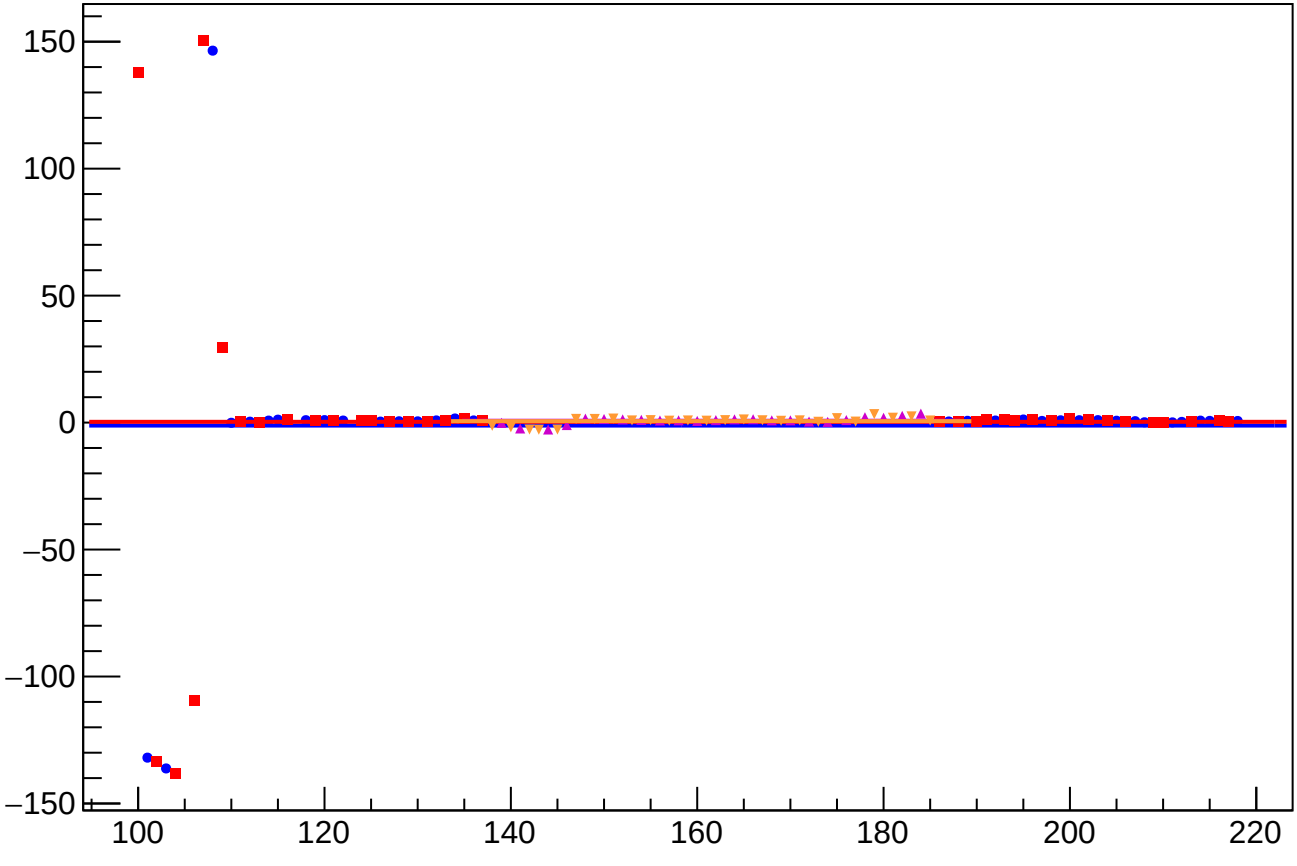
Right: 0.003+/-0.000 χ^2/NDF: 64277844.5/67

In: 0.003+/-0.000 χ^2/NDF:62938330.3/54

Out: 0.003+/-0.000 χ^2/NDF:65695196.3/60

All: 0.003+/-0.000 χ^2/NDF: 128634049.2/115

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: 0.302+/-0.000 χ^2/NDF: 3613086805.8/35

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

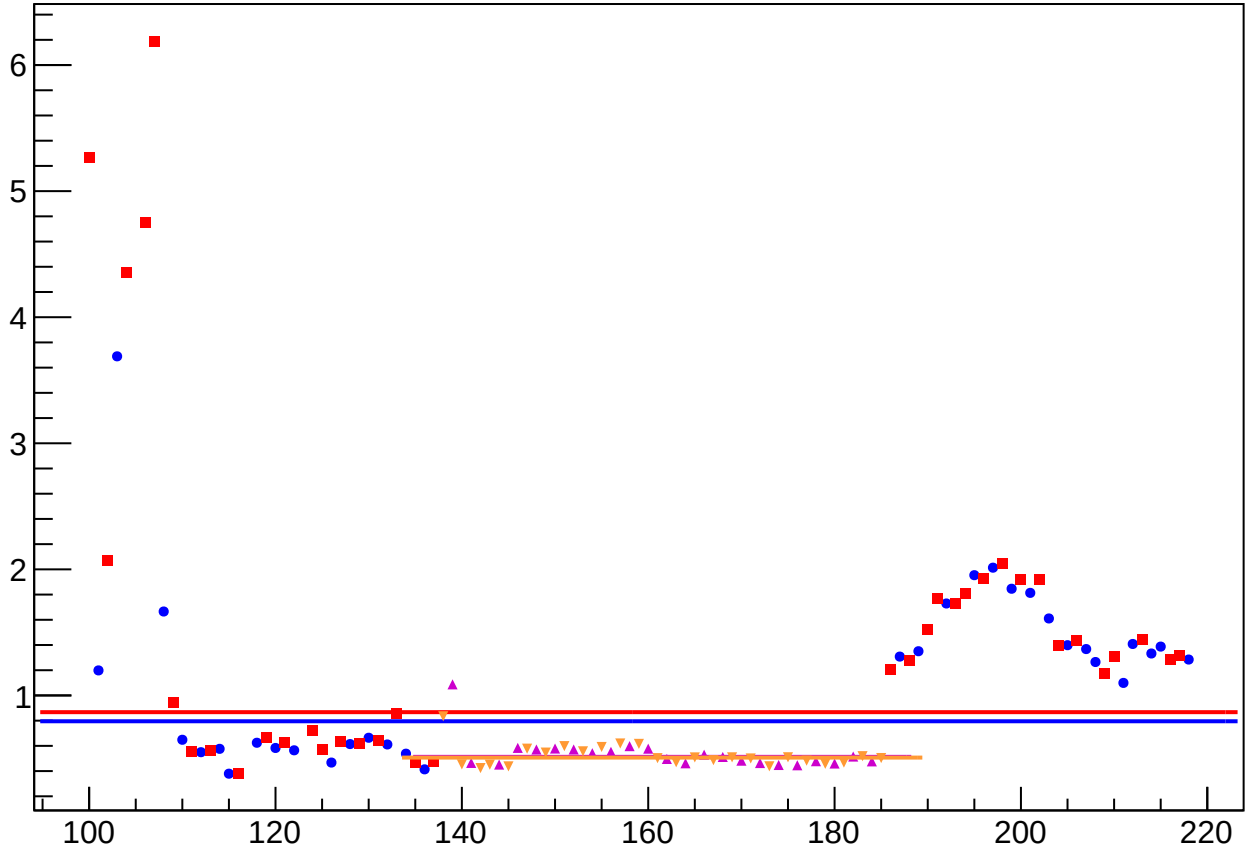
Right: -0.487+/-0.000 χ^2/NDF: 13548190328.0/67

In: 0.195+/-0.000 χ^2/NDF:10075330528.5/54

Out: 0.509+/-0.000 χ^2/NDF:3768536296.8/60

All: 0.354+/-0.000 χ^2/NDF: 13847781119.3/1

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: 0.867+/-0.000 χ^2/NDF: 9176553.5/35

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

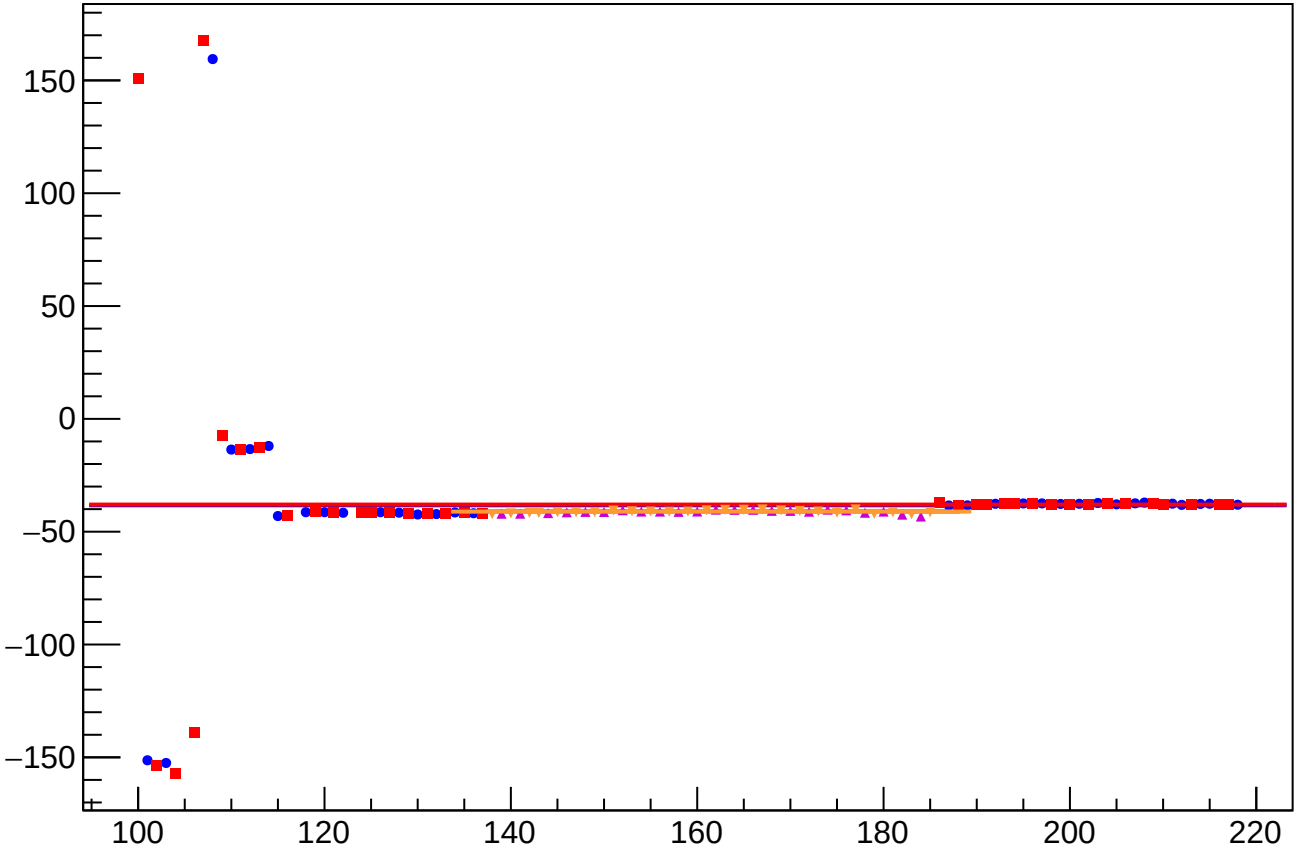
Right: 0.829+/-0.000 χ^2/NDF: 18275215.0/67

In: 0.592+/-0.000 χ^2/NDF:12264557.9/54

Out: 0.593+/-0.000 χ^2/NDF:13516384.9/60

All: 0.593+/-0.000 χ^2/NDF: 25781004.1/115

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: -37.983+/-0.000 χ^2/NDF: 2514567051.9/35

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

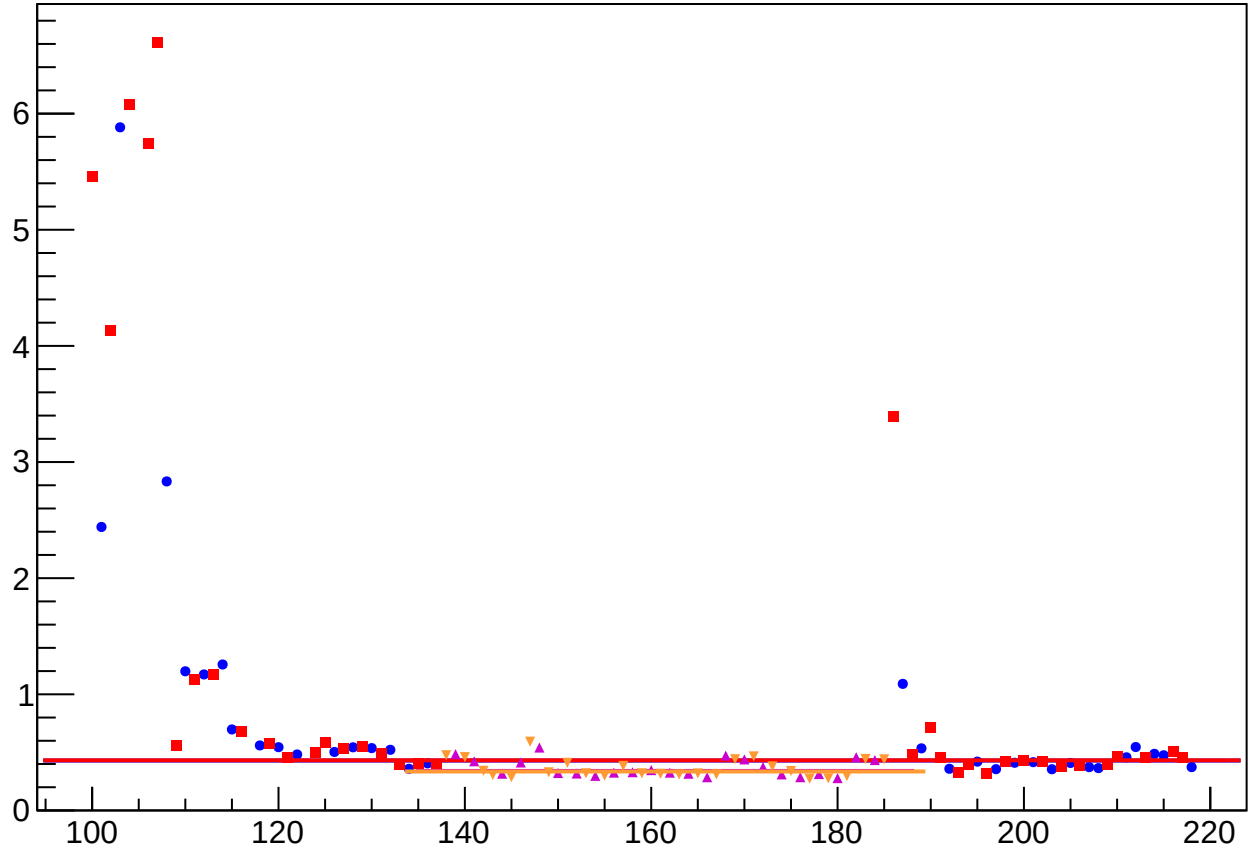
Right: -38.140+/-0.000 χ^2/NDF: 6142479458.1/67

In: -39.980+/-0.000 χ^2/NDF:4091236946.4/54

Out: -39.966+/-0.000 χ^2/NDF:3126077612.6/60

All: -39.973+/-0.000 χ^2/NDF: 7217337247.1/

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: 0.432+/-0.000 χ^2/NDF: 4743892.3/35

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

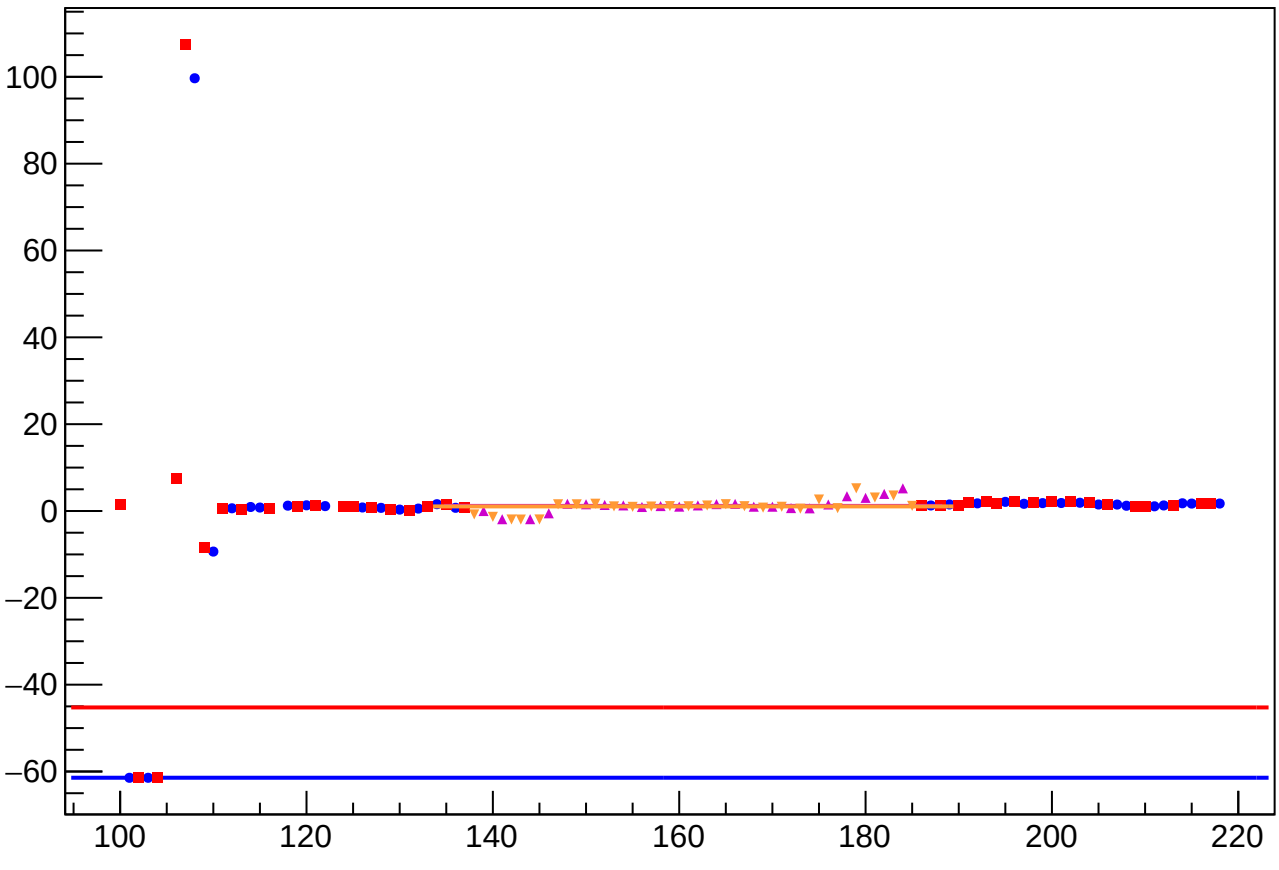
Right: 0.431+/-0.000 χ^2/NDF: 8638567.1/67

In: 0.374+/-0.000 χ^2/NDF:5846245.9/54

Out: 0.370+/-0.000 χ^2/NDF:7038206.9/60

All: 0.372+/-0.000 χ^2/NDF: 12888278.2/115

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: 357887459894557.4/35

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

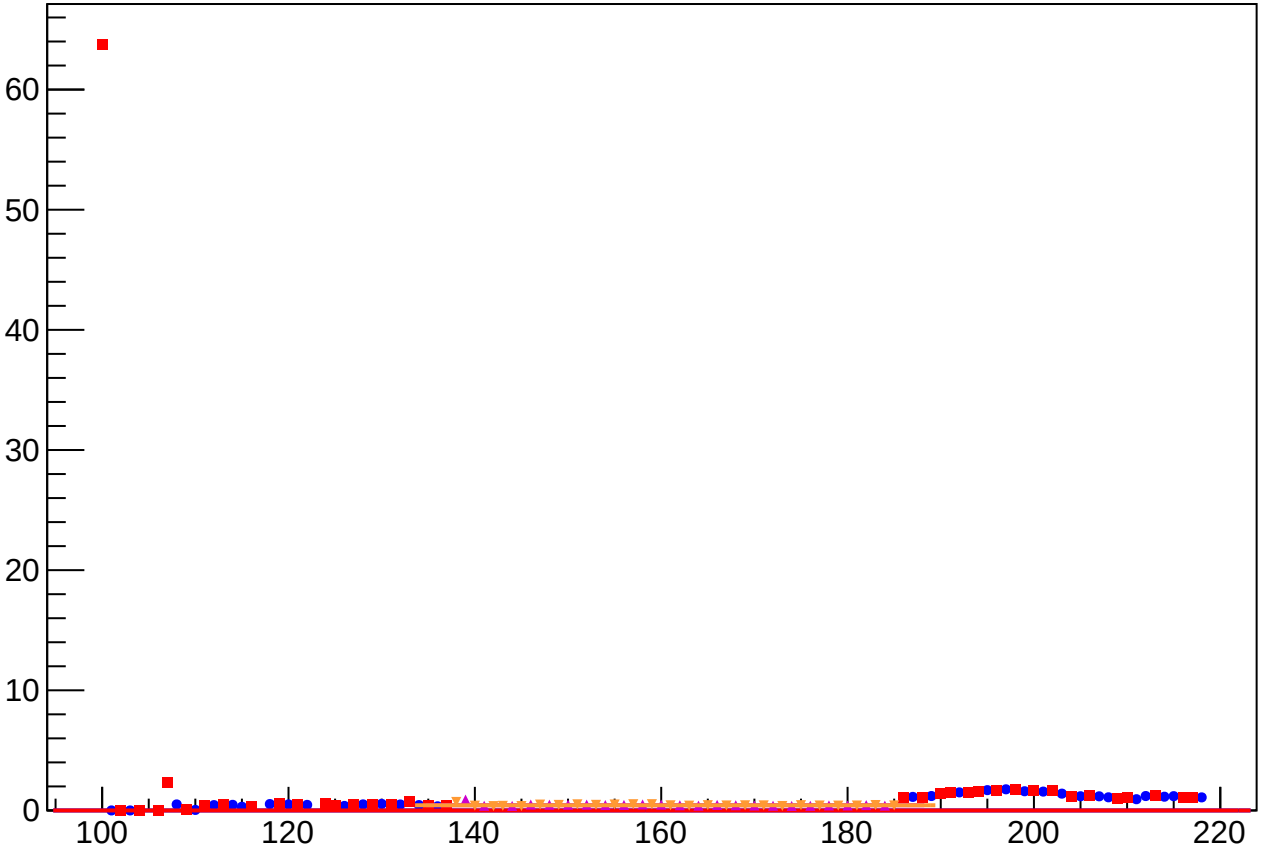
Right: -52.748+/-0.000 χ^2/NDF: 409168443154884

In: -61.421+/-0.000 χ^2/NDF:607916692663.1/54

Out: -45.235+/-0.000 χ^2/NDF:358068737414954.9

All: -52.737+/-0.000 χ^2/NDF: 409637840985

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: 34890665.6/35

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

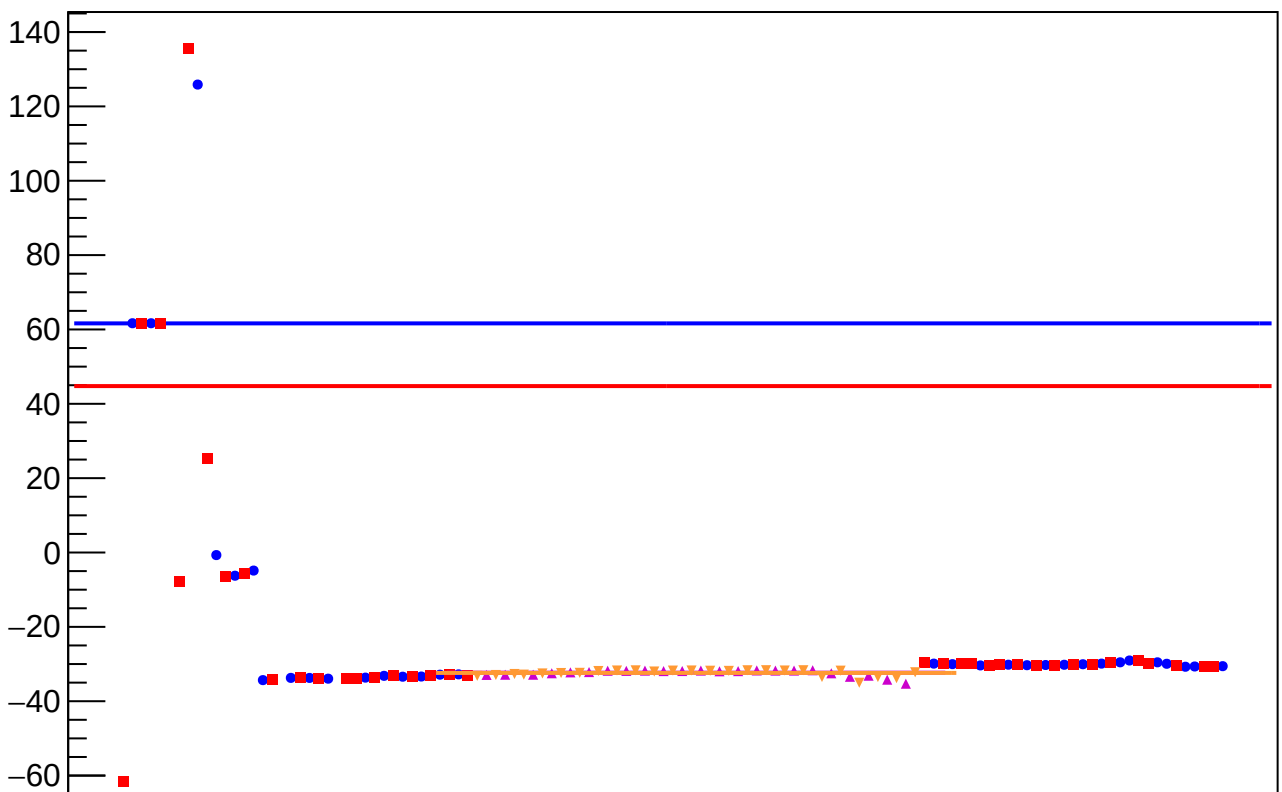
Right: 0.001+/-0.000 χ^2/NDF: 69099396.6/67

In: 0.002+/-0.000 χ^2/NDF:64347221.2/54

Out: 0.002+/-0.000 χ^2/NDF:66654362.1/60

All: 0.002+/-0.000 χ^2/NDF: 131001644.6/115

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: 44.766+/-0.000 χ^2/NDF: 366649164501533.1/35

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

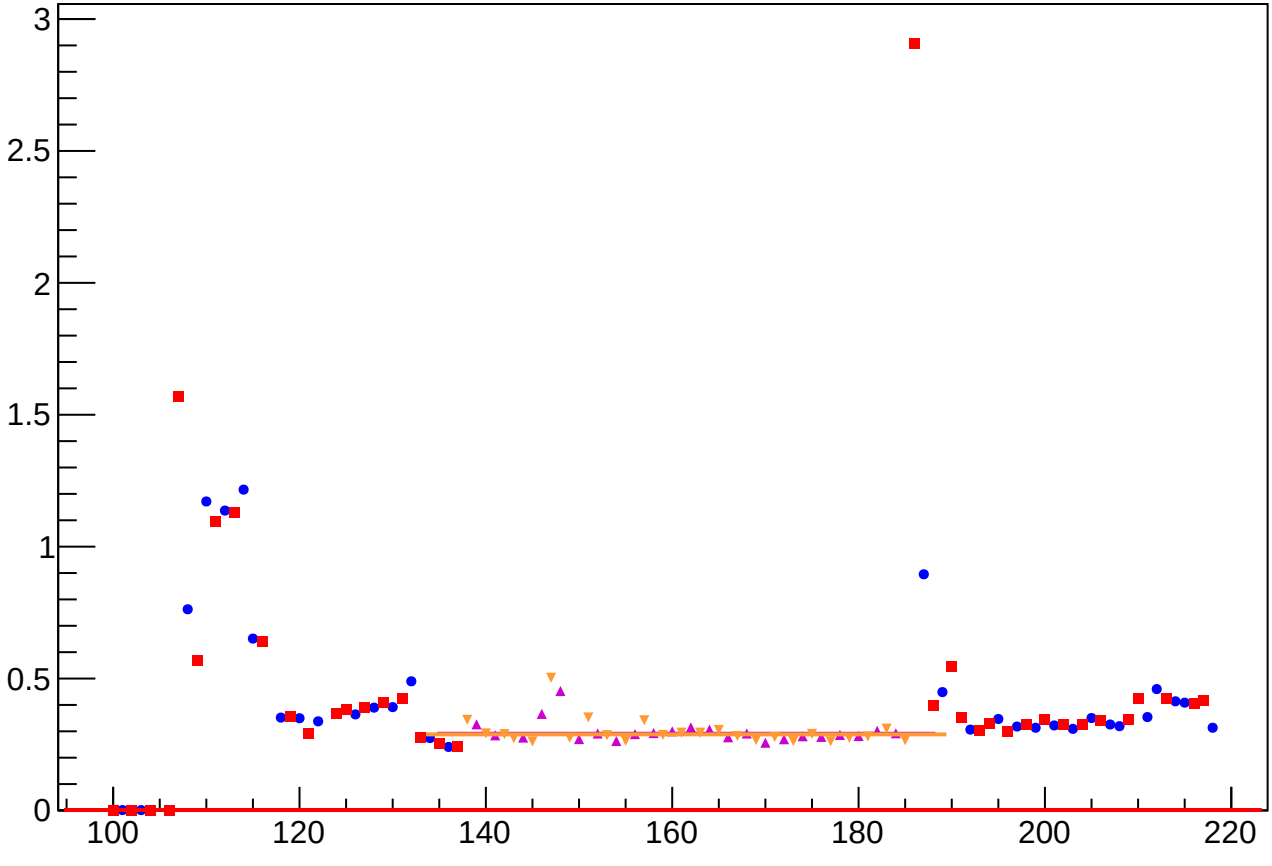
Right: 52.665+/-0.000 χ^2/NDF: 418957054223534.4

In: 61.576+/-0.000 χ^2/NDF:3066220119146.9/54

Out: 44.722+/-0.000 χ^2/NDF:367967099083518.4

All: 52.615+/-0.000 χ^2/NDF: 4220500724692

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: 35740436.4/35

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

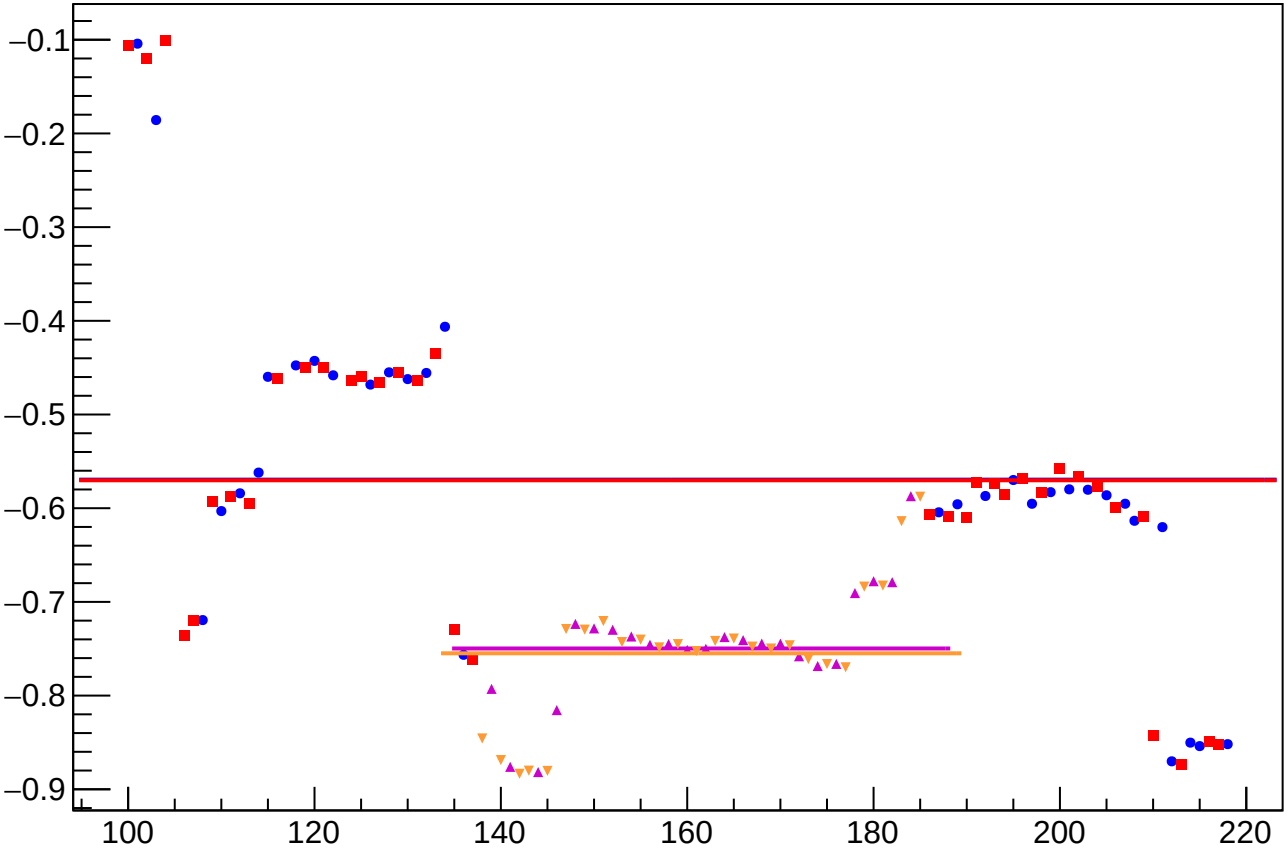
Right: 0.002+/-0.000 χ^2/NDF: 71266562.2/67

In: 0.002+/-0.000 χ^2/NDF:70411523.1/54

Out: 0.002+/-0.000 χ^2/NDF:72678924.4/60

All: 0.002+/-0.000 χ^2/NDF: 143090463.0/115

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: -0.570+/-0.000 χ^2/NDF: 322702971.0/35

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

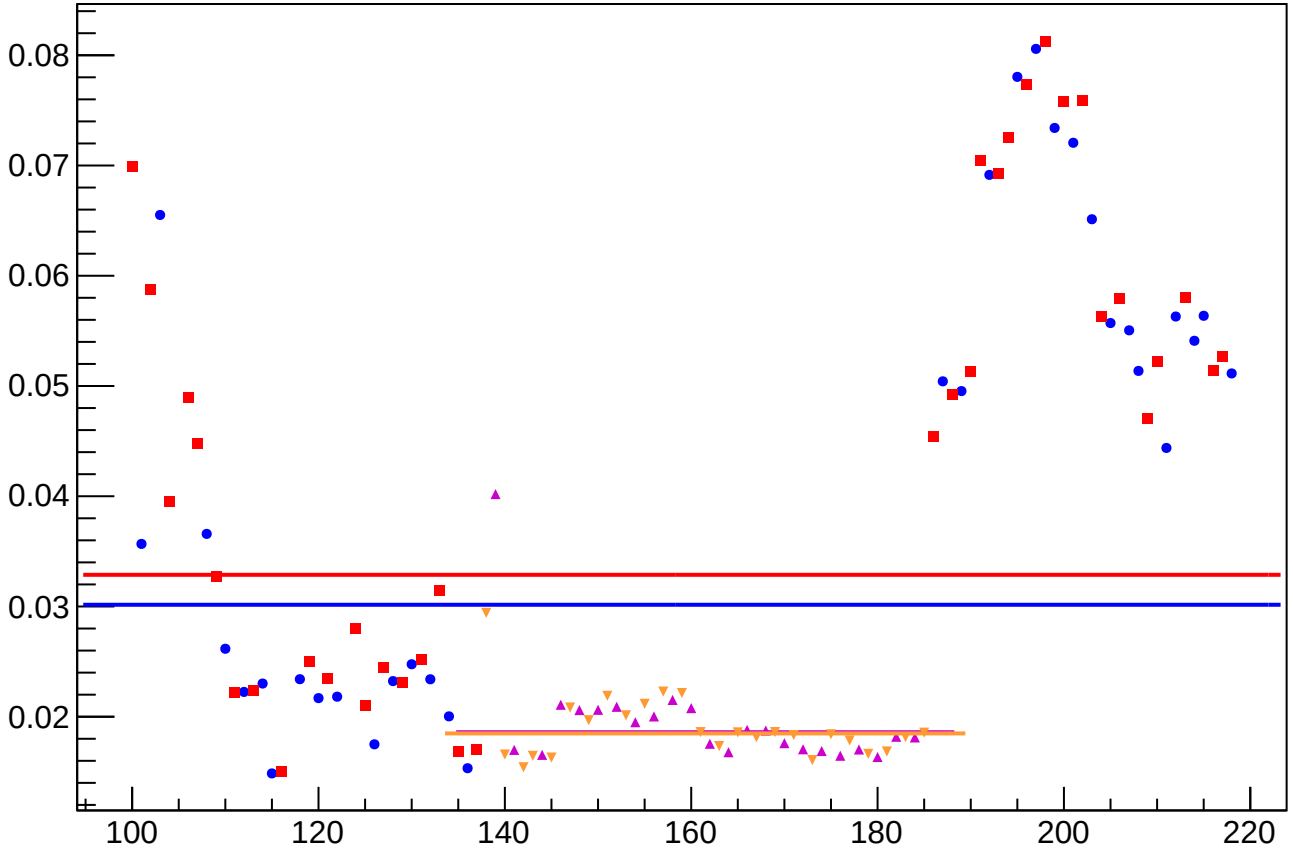
Right: -0.570+/-0.000 χ^2/NDF: 735897024.9/67

In: -0.702+/-0.000 χ^2/NDF:919397310.6/54

Out: -0.712+/-0.000 χ^2/NDF:894561916.0/60

All: -0.707+/-0.000 χ^2/NDF: 1817098698.6/1

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: 8456541.5/35

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

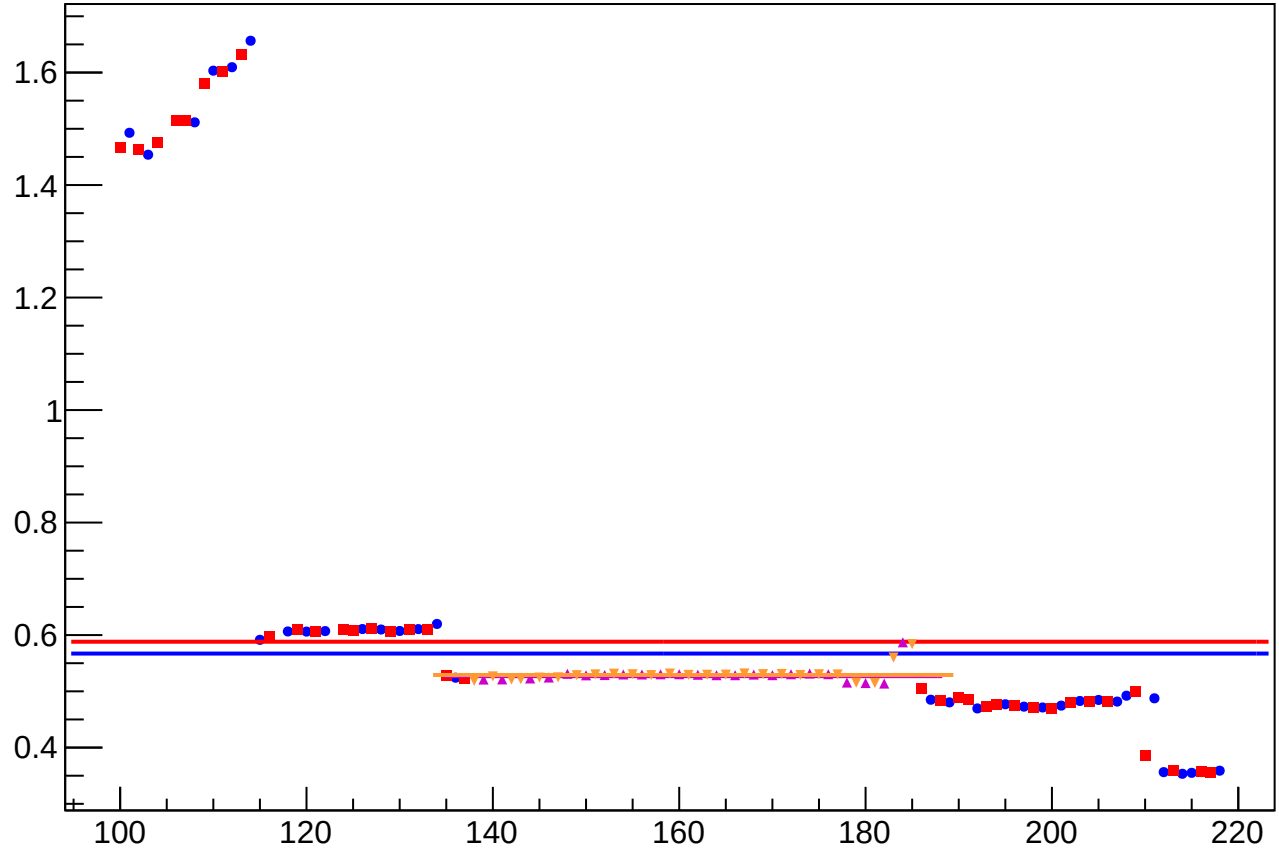
Right: 0.031+/-0.000 χ^2/NDF: 17716837.3/67

In: 0.022+/-0.000 χ^2/NDF:12901460.2/54

Out: 0.022+/-0.000 χ^2/NDF:13308606.8/60

All: 0.022+/-0.000 χ^2/NDF: 26211235.4/115

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: 0.588+/-0.000 χ^2/NDF: 7199080087.7/35

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

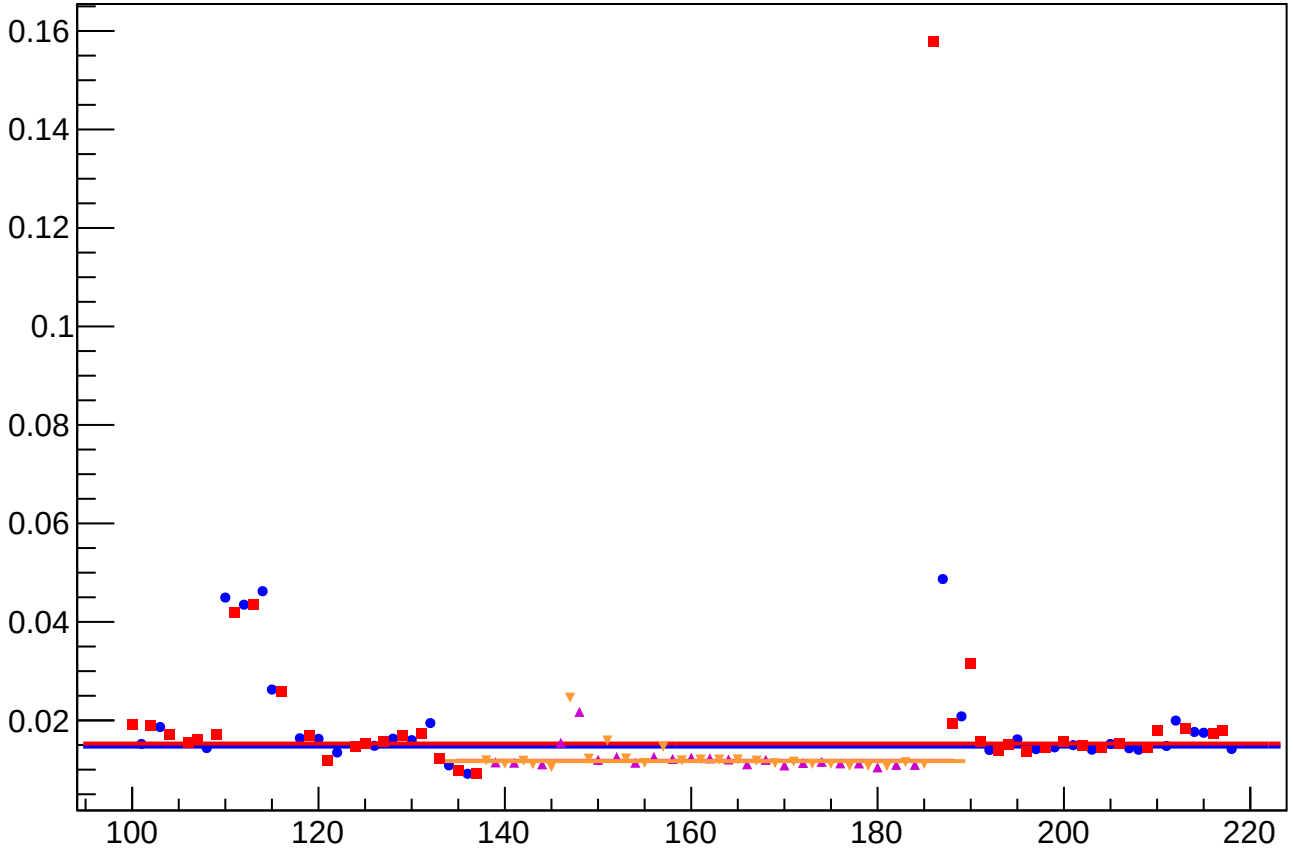
Right: 0.577+/-0.000 χ^2/NDF: 13517937161.0/67

In: 0.543+/-0.000 χ^2/NDF:6395113420.8/54

Out: 0.551+/-0.000 χ^2/NDF:7388614312.5/60

All: 0.547+/-0.000 χ^2/NDF: 13790283874.0/1

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: 2548919.8/35

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

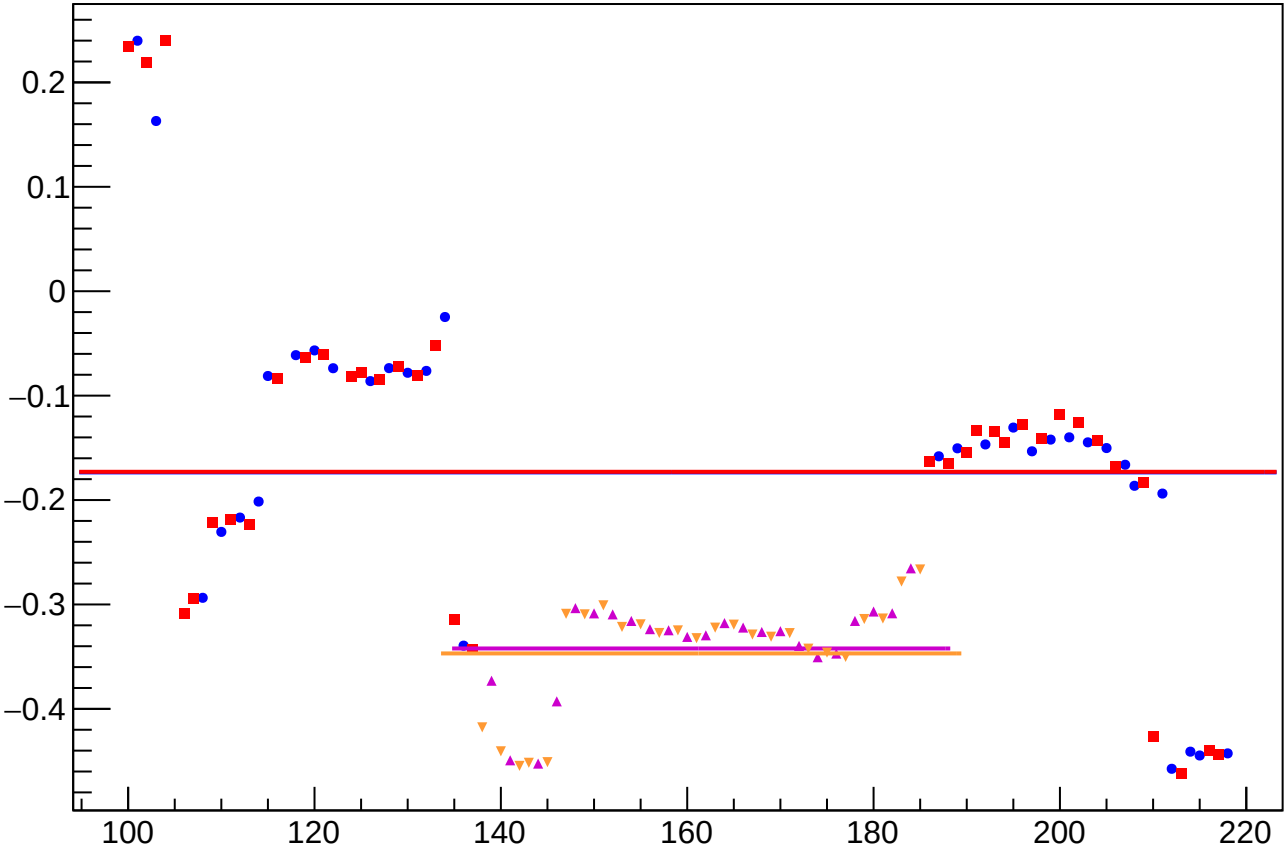
Right: 0.015+/-0.000 χ^2/NDF: 4778946.0/67

In: 0.013+/-0.000 χ^2/NDF:3559964.0/54

Out: 0.013+/-0.000 χ^2/NDF:4509686.5/60

All: 0.013+/-0.000 χ^2/NDF: 8072035.1/115

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: -0.173+/-0.000 χ^2/NDF: 305056698.3/35

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

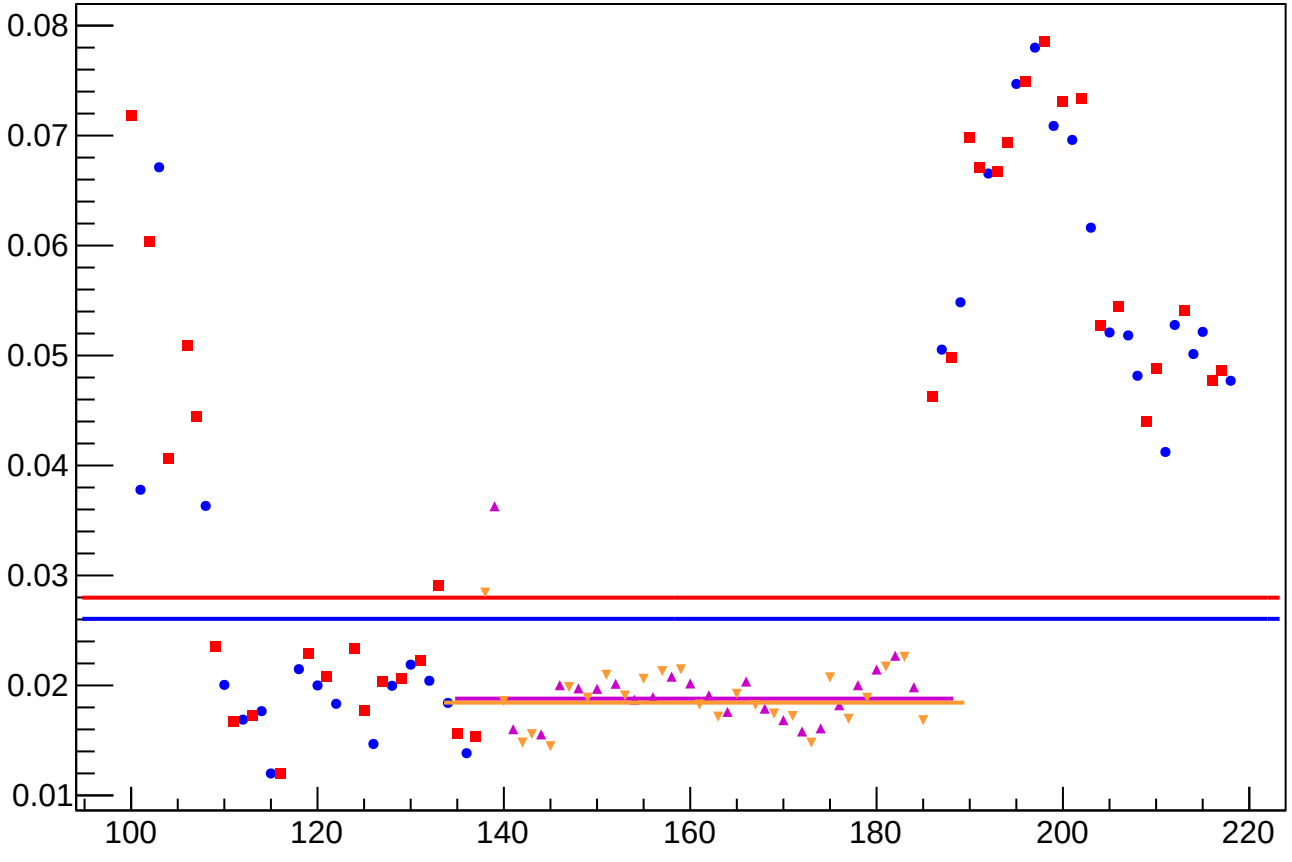
Right: -0.173+/-0.000 χ^2/NDF: 690925251.4/67

In: -0.289+/-0.000 χ^2/NDF:854166367.2/54

Out: -0.299+/-0.000 χ^2/NDF:819476827.3/60

All: -0.294+/-0.000 χ^2/NDF: 1676762070.0/1

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: 10303648.1/35

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

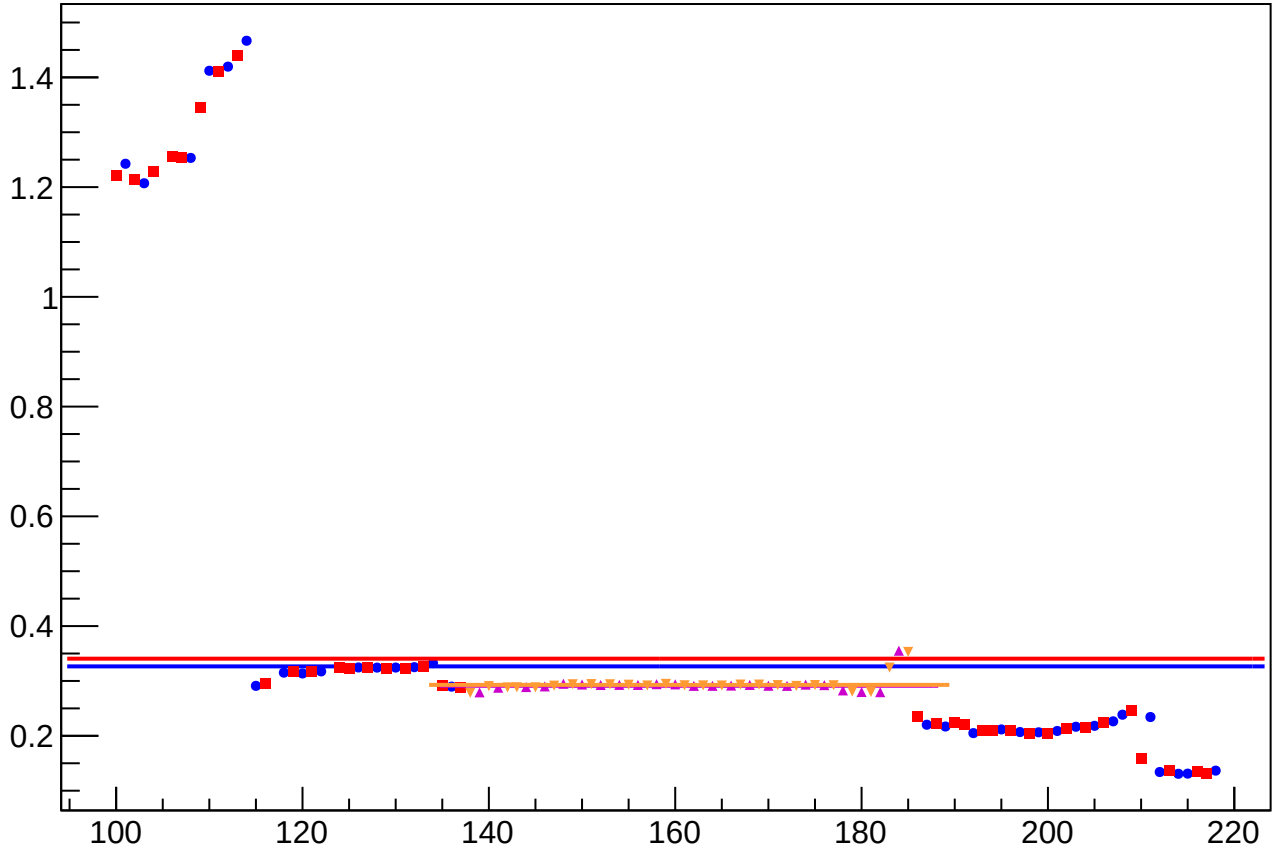
Right: 0.027+/-0.000 χ^2/NDF: 20919528.0/67

In: 0.021+/-0.000 χ^2/NDF:12673435.5/54

Out: 0.021+/-0.000 χ^2/NDF:13283459.8/60

All: 0.021+/-0.000 χ^2/NDF: 25956919.6/115

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: 0.341+/-0.000 χ^2/NDF: 9811949781.6/35

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

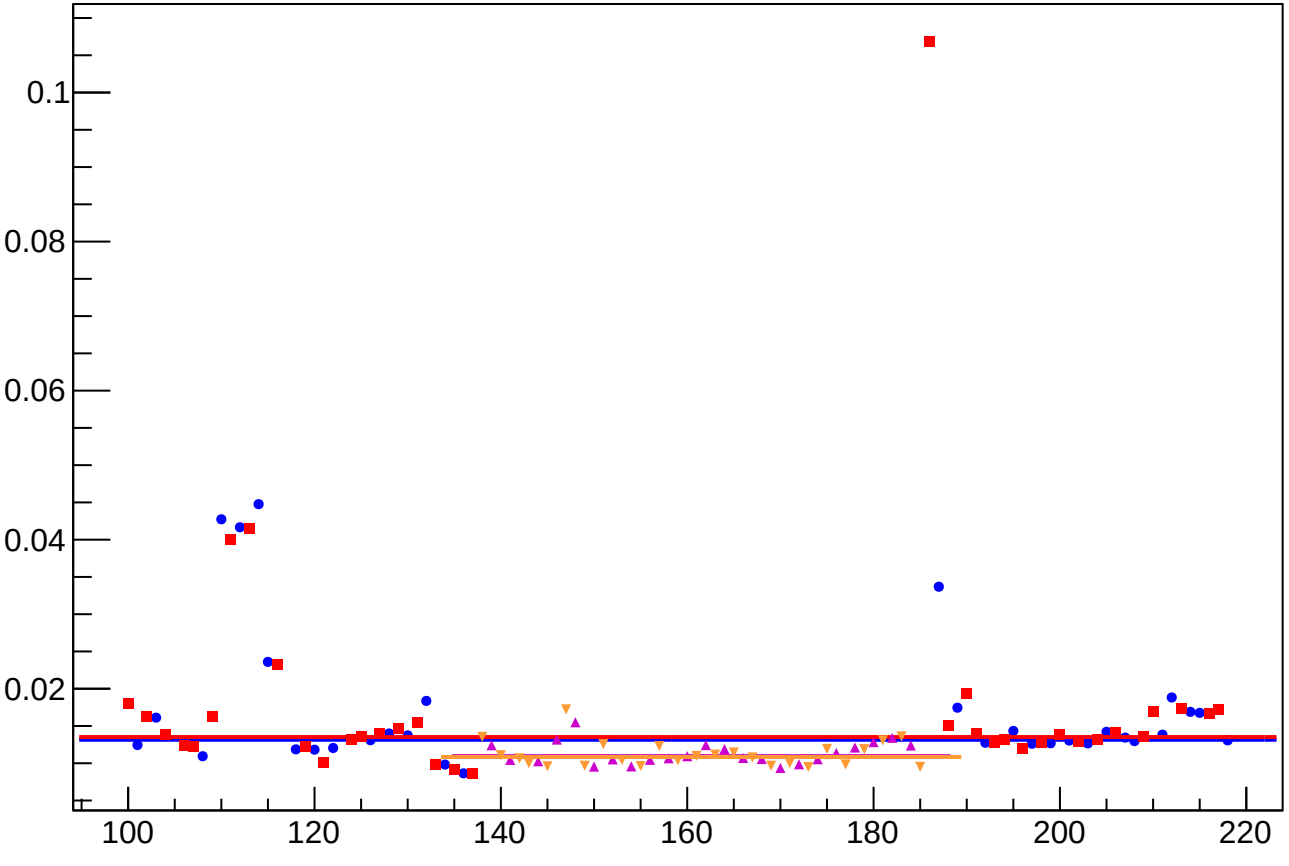
Right: 0.333+/-0.000 χ^2/NDF: 18777439270.8/67

In: 0.306+/-0.000 χ^2/NDF:9041467814.2/54

Out: 0.312+/-0.000 χ^2/NDF:9968191189.9/60

All: 0.309+/-0.000 χ^2/NDF: 19013534857.7/1

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: 2503028.9/35

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

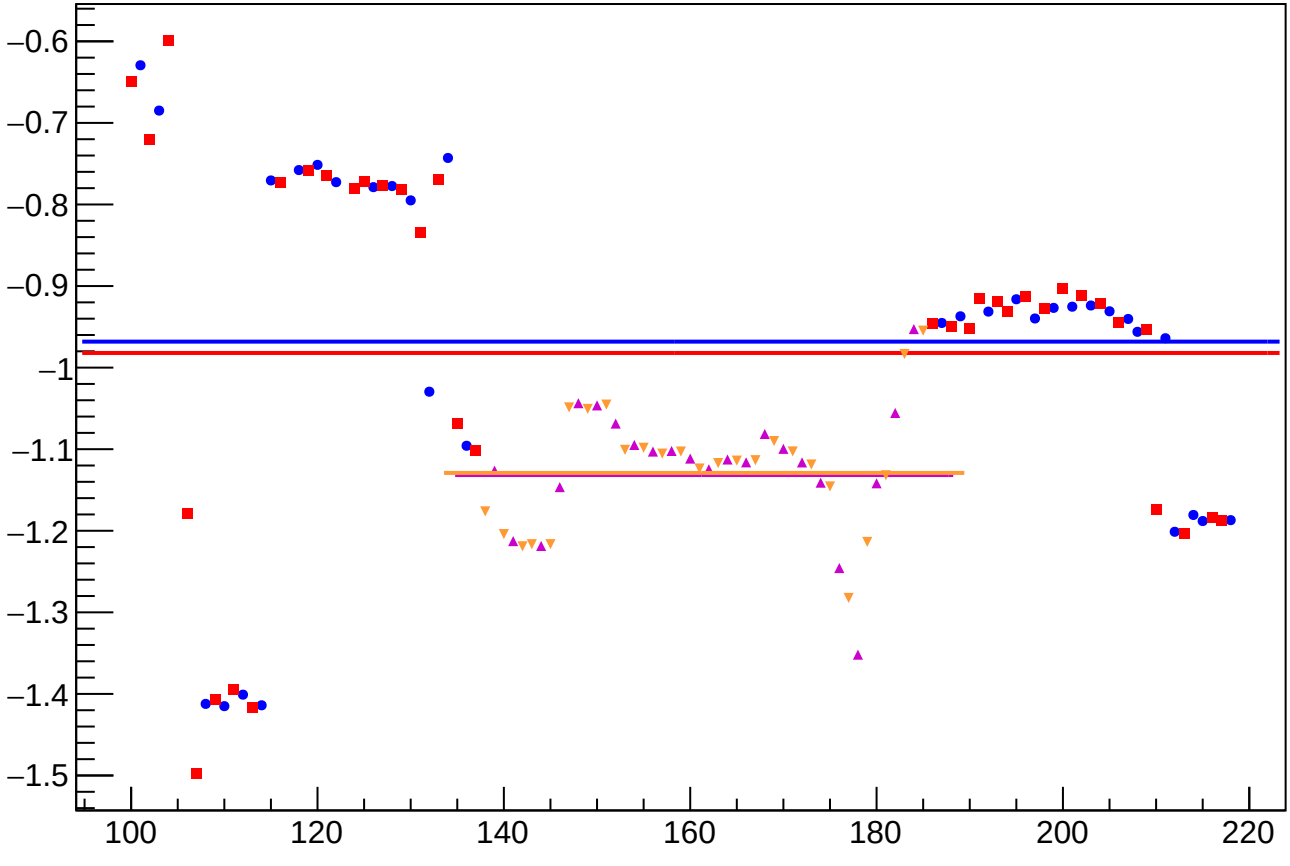
Right: 0.013+/-0.000 χ^2/NDF: 4661308.4/67

In: 0.012+/-0.000 χ^2/NDF:3240898.5/54

Out: 0.012+/-0.000 χ^2/NDF:4026206.5/60

All: 0.012+/-0.000 χ^2/NDF: 7267153.5/115

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: -0.982+/-0.000 χ^2/NDF: 773320600.8/35

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

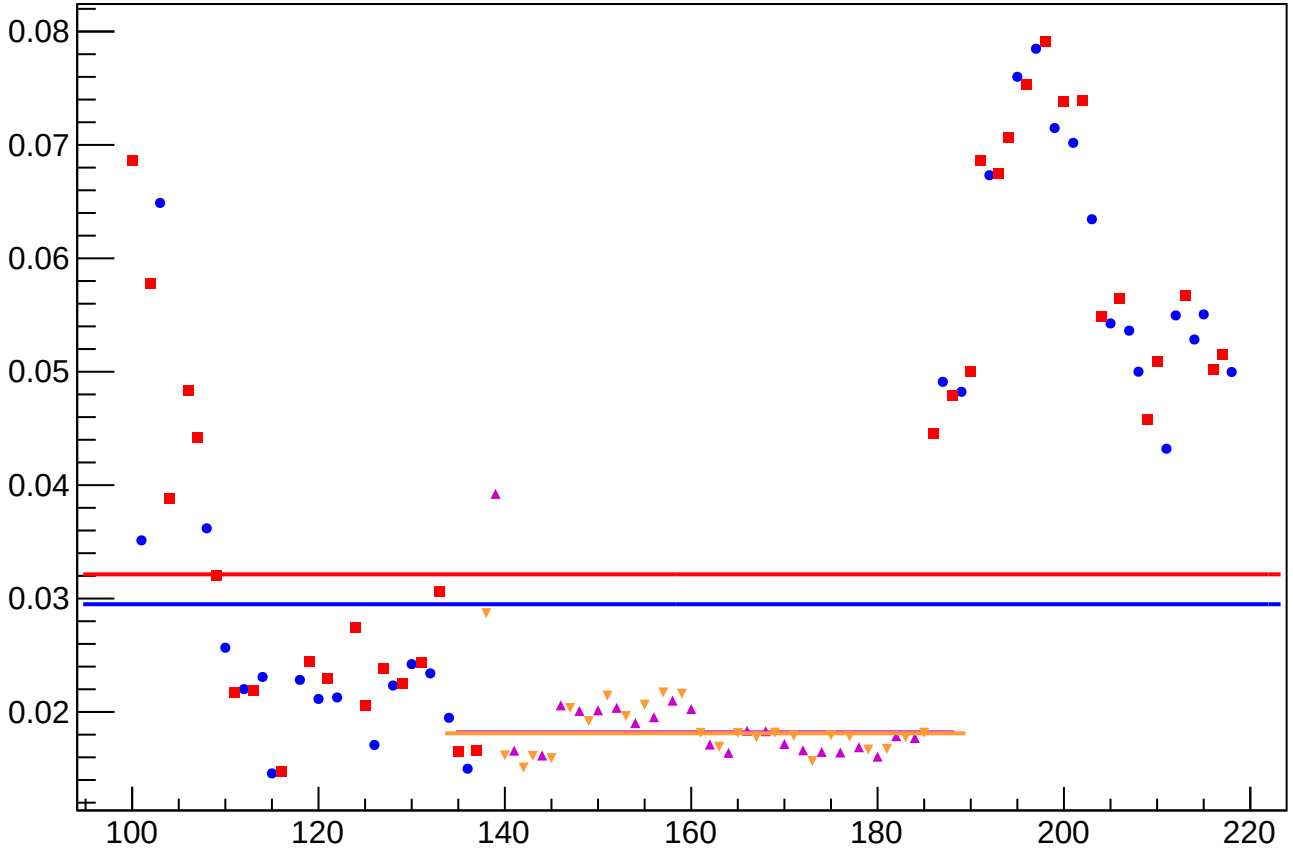
Right: -0.975+/-0.000 χ^2/NDF: 1539954704.7/67

In: -1.088+/-0.000 χ^2/NDF:1339897954.7/54

Out: -1.095+/-0.000 χ^2/NDF:1249469642.8/60

All: -1.092+/-0.000 χ^2/NDF: 2590779467.9/1

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: 0.032+/-0.000 χ^2/NDF: 8427727.0/35

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

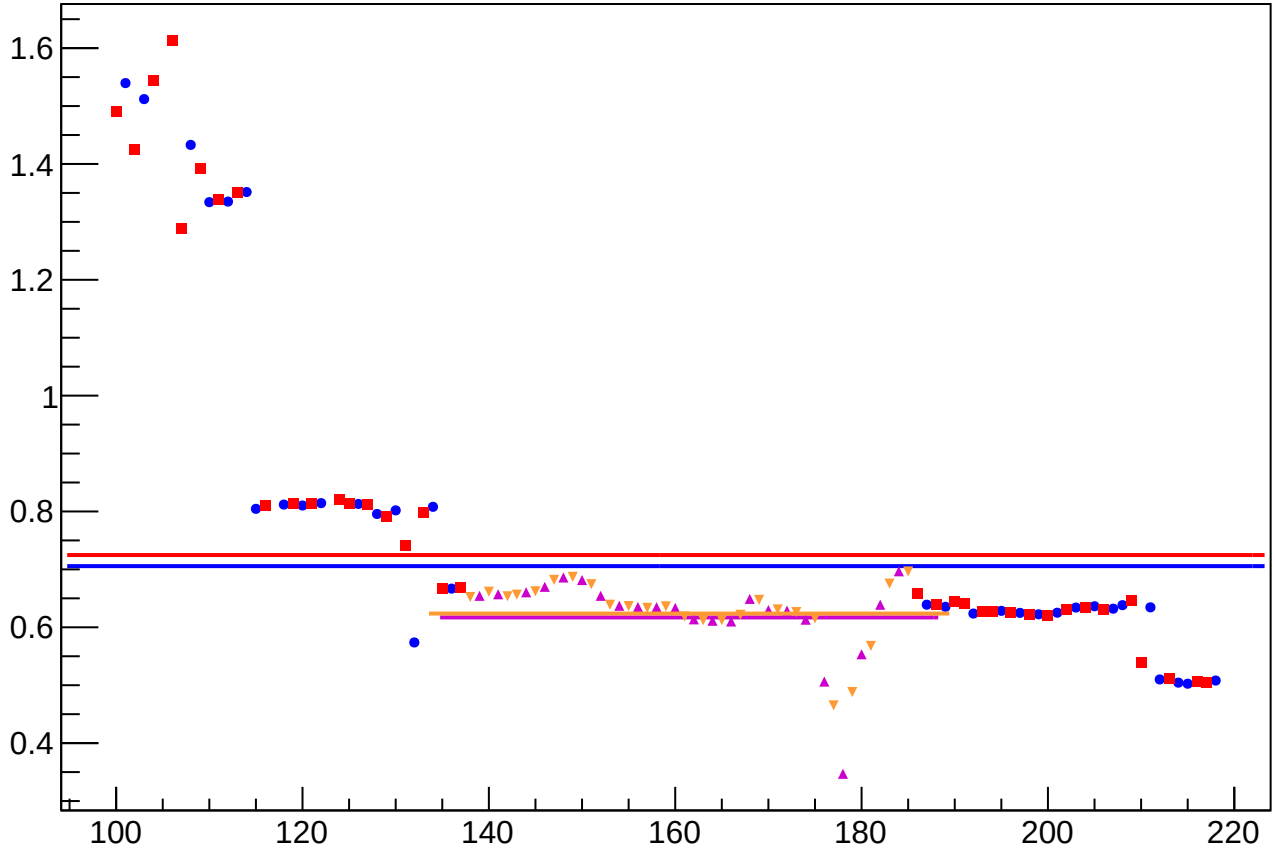
Right: 0.031+/-0.000 χ^2/NDF: 17655735.5/67

In: 0.021+/-0.000 χ^2/NDF:12851294.2/54

Out: 0.021+/-0.000 χ^2/NDF:13224375.4/60

All: 0.021+/-0.000 χ^2/NDF: 26077309.2/115

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: 0.725+/-0.000 χ^2/NDF: 4747380286.7/35

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

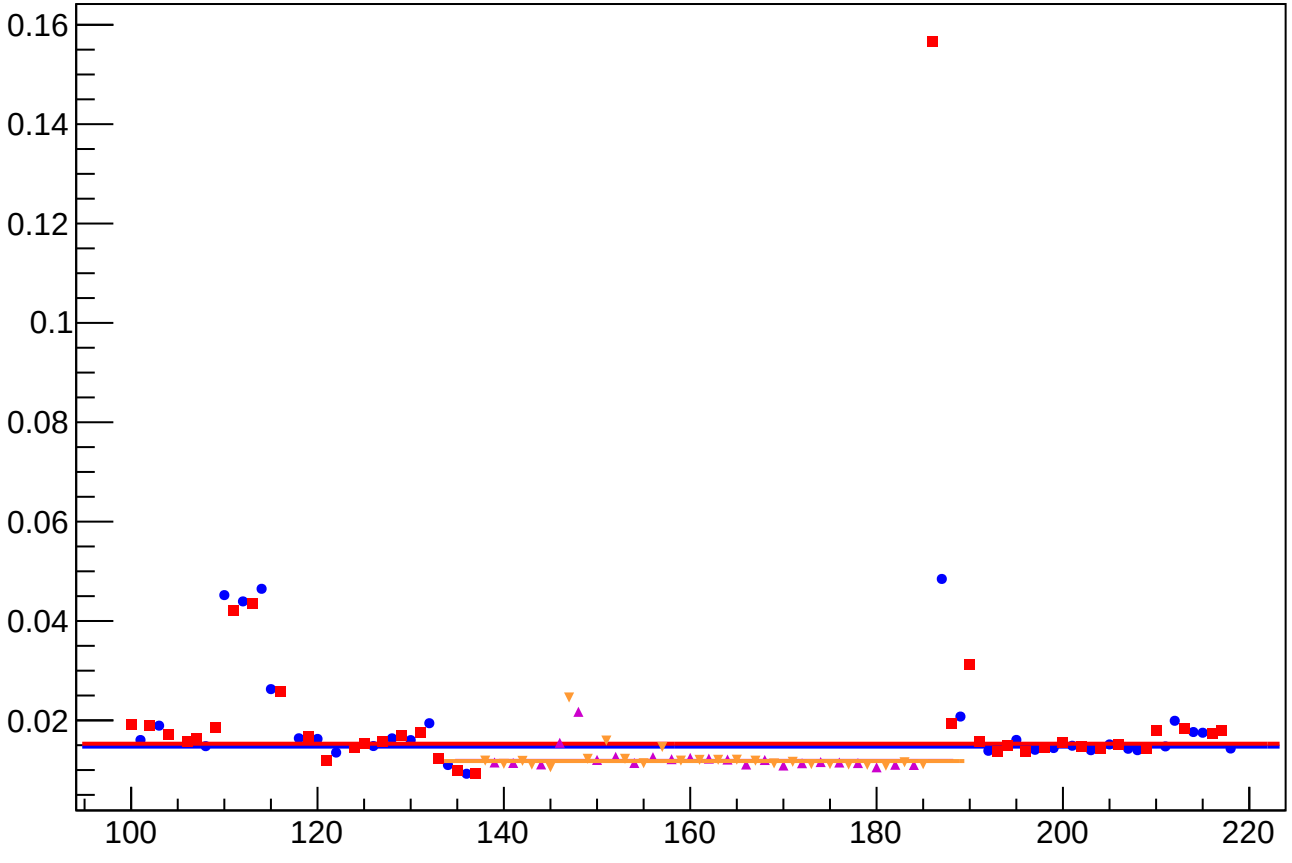
Right: 0.715+/-0.000 χ^2/NDF: 9209828141.8/67

In: 0.652+/-0.000 χ^2/NDF:5486102079.9/54

Out: 0.661+/-0.000 χ^2/NDF:5651010490.7/60

All: 0.657+/-0.000 χ^2/NDF: 11145274533.0/1

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: 2554518.6/35

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

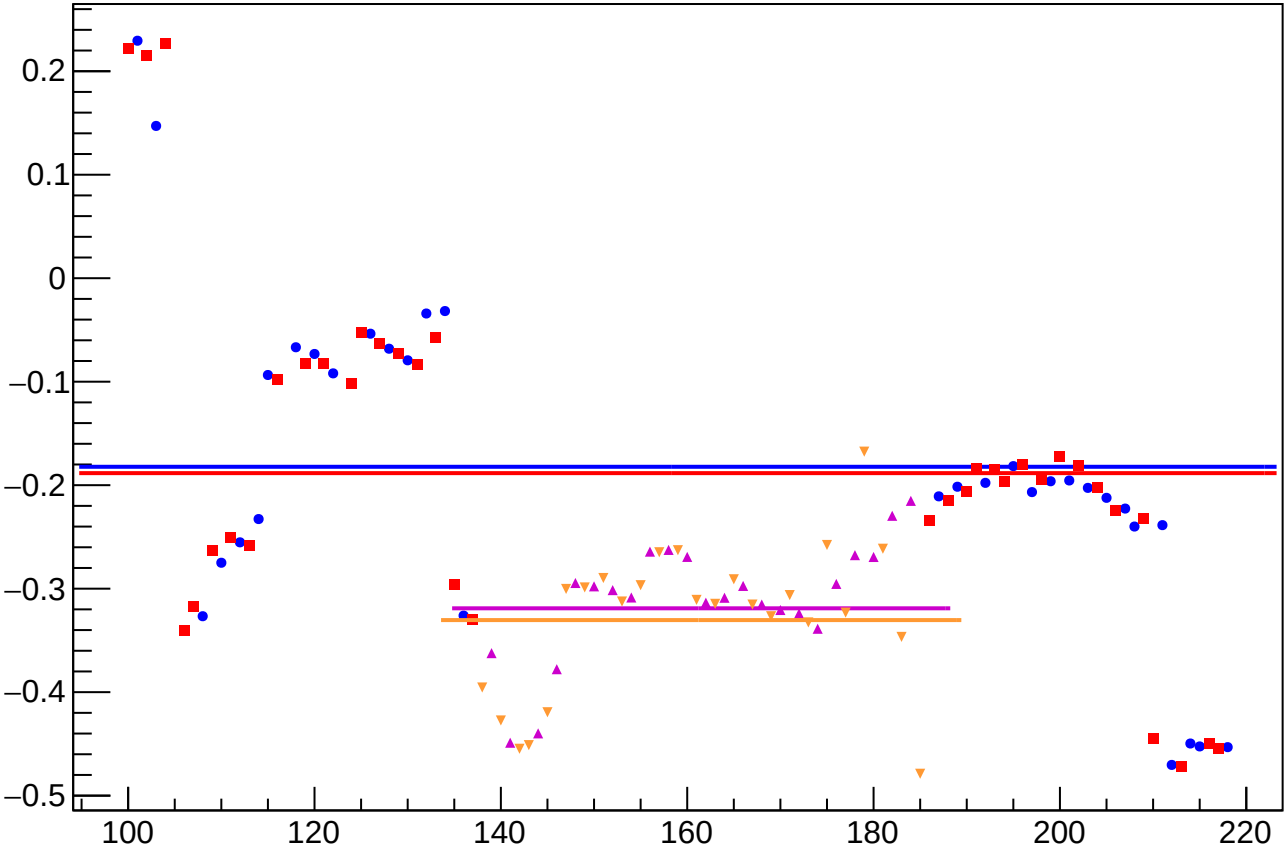
Right: 0.015+/-0.000 χ^2/NDF: 4759008.1/67

In: 0.013+/-0.000 χ^2/NDF:3509130.5/54

Out: 0.013+/-0.000 χ^2/NDF:4431451.5/60

All: 0.013+/-0.000 χ^2/NDF: 7943262.9/115

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: -0.188+/-0.000 χ^2/NDF: 301120390.3/35

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

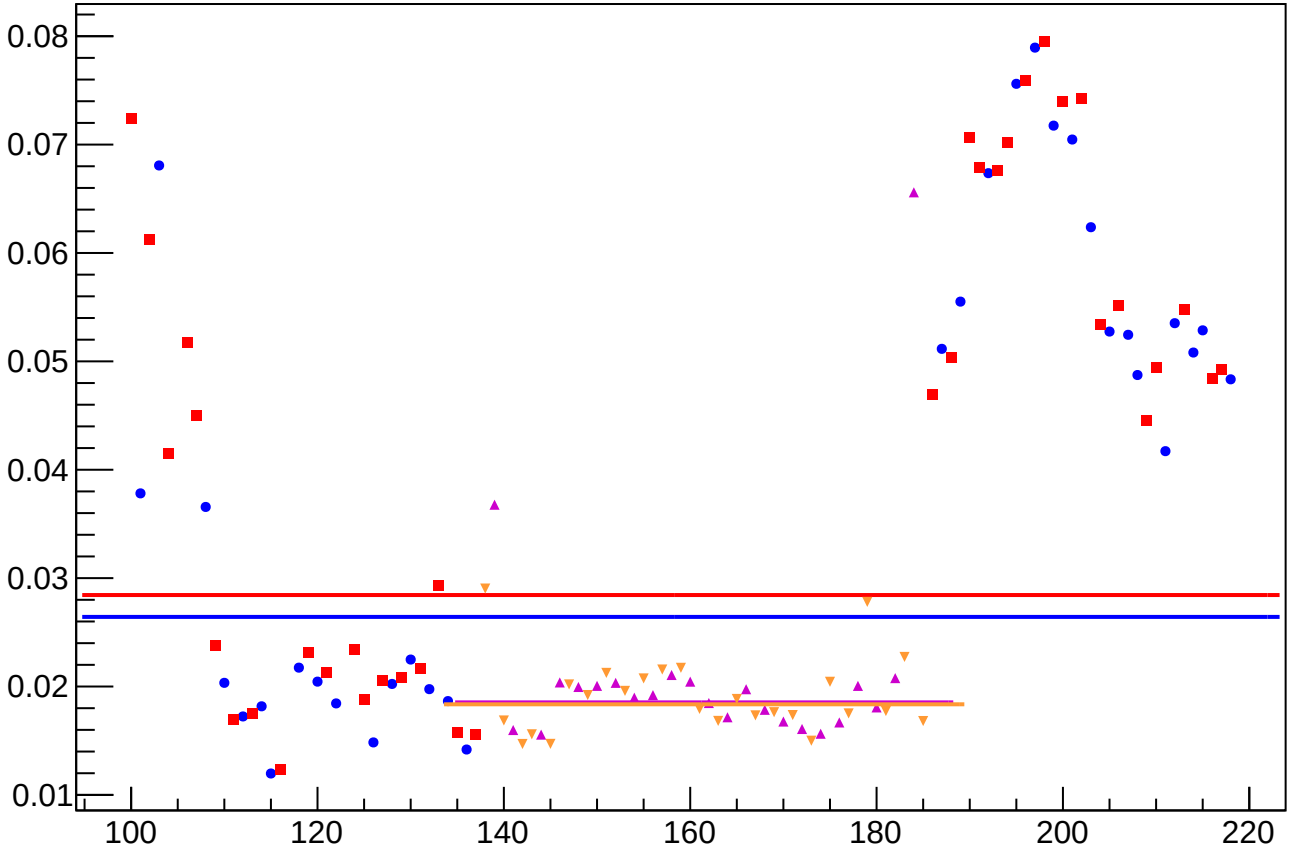
Right: -0.185+/-0.000 χ^2/NDF: 691178502.7/67

In: -0.277+/-0.000 χ^2/NDF:765502971.3/54

Out: -0.292+/-0.000 χ^2/NDF:735437207.4/60

All: -0.284+/-0.000 χ^2/NDF: 1507810677.3/1

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: 0.028+/-0.000 χ^2/NDF: 10239571.4/35

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

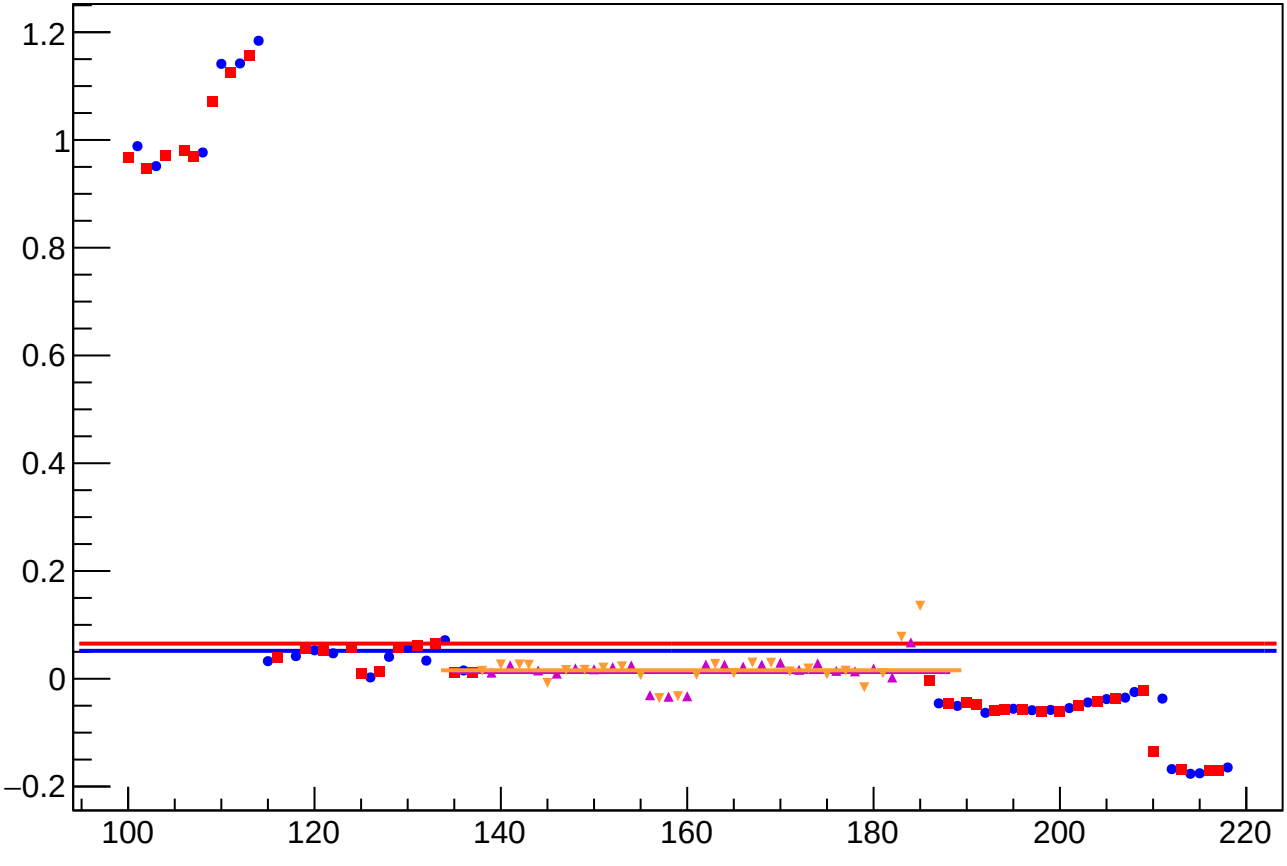
Right: 0.027+/-0.000 χ^2/NDF: 20818087.5/67

In: 0.021+/-0.000 χ^2/NDF:13069307.2/54

Out: 0.021+/-0.000 χ^2/NDF:13513021.4/60

All: 0.021+/-0.000 χ^2/NDF: 26583507.9/115

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: 0.065+/-0.000 χ^2/NDF: 9844202325.5/35

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

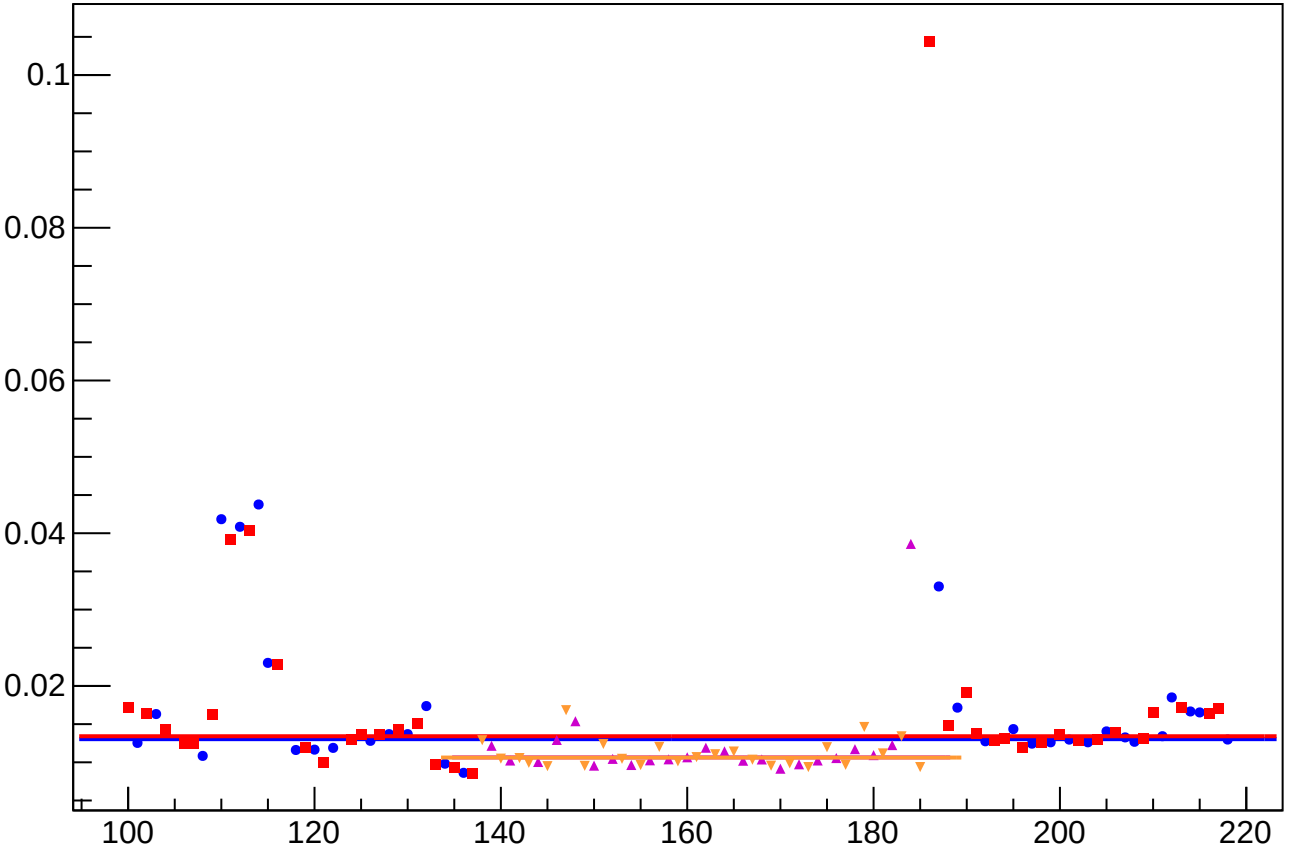
Right: 0.058+/-0.000 χ^2/NDF: 19061962284.6/67

In: 0.029+/-0.000 χ^2/NDF:9363258536.0/54

Out: 0.035+/-0.000 χ^2/NDF:10100533123.2/60

All: 0.032+/-0.000 χ^2/NDF: 19468978377.0/1

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: 2424574.3/35

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

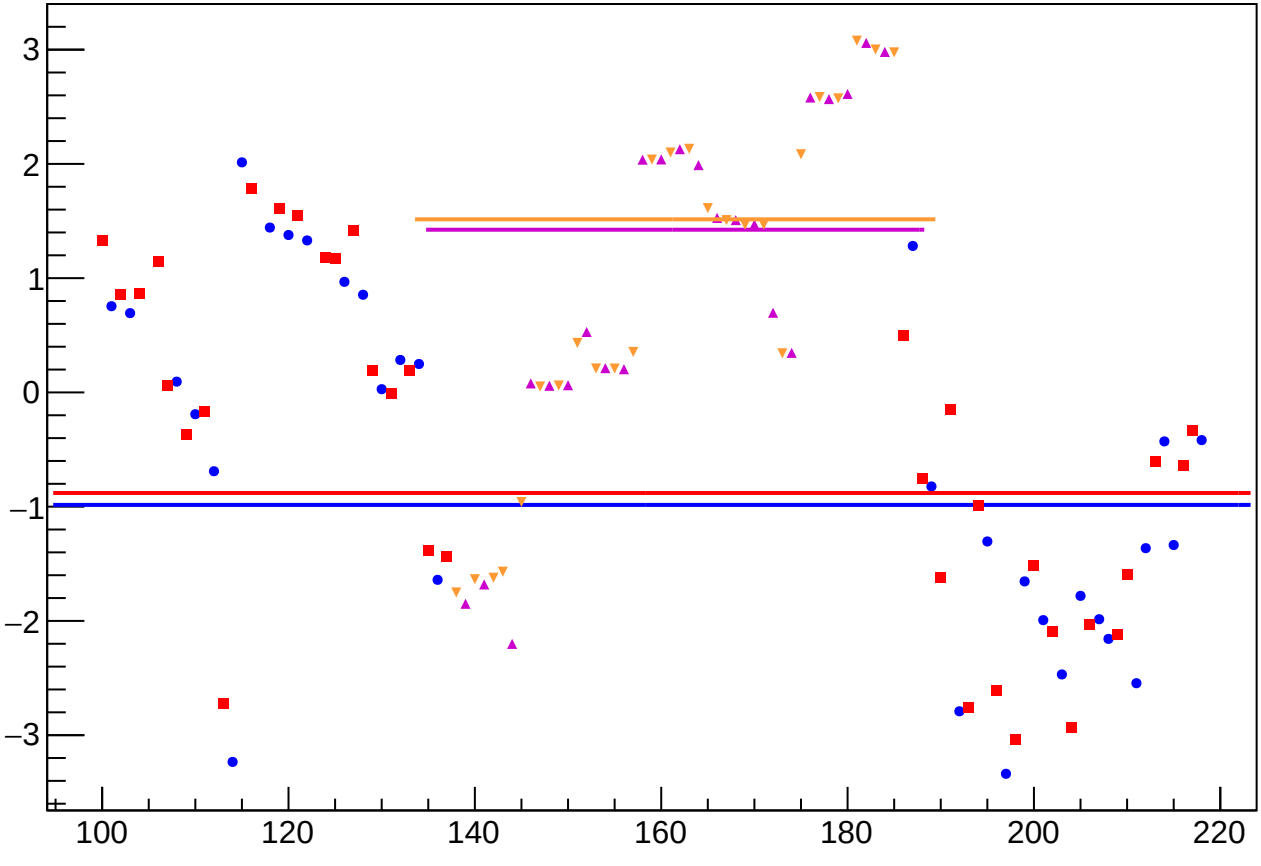
Right: 0.013+/-0.000 χ^2/NDF: 4530493.7/67

In: 0.012+/-0.000 χ^2/NDF:3373317.5/54

Out: 0.012+/-0.000 χ^2/NDF:4011110.1/60

All: 0.012+/-0.000 χ^2/NDF: 7386197.7/115

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: -0.880+/-0.000 χ^2/NDF: 9780308858.5/35

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

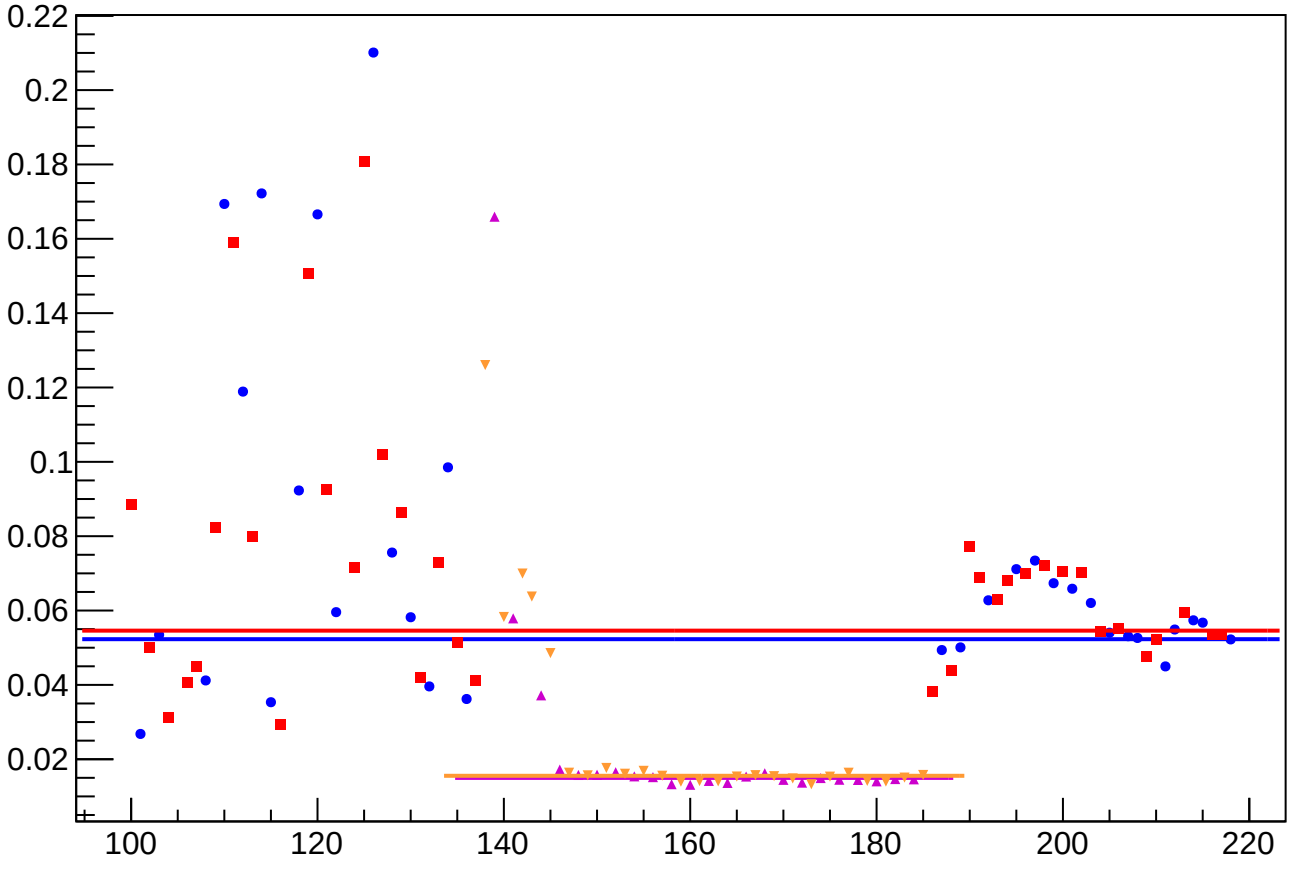
Right: -0.933+/-0.000 χ^2/NDF: 19621226940.5/67

In: 1.221+/-0.000 χ^2/NDF:108253470608.8/54

Out: 1.315+/-0.000 χ^2/NDF:106622405063.3/60

All: 1.267+/-0.000 χ^2/NDF: 215172868561.2

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: 3197251.4/35

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

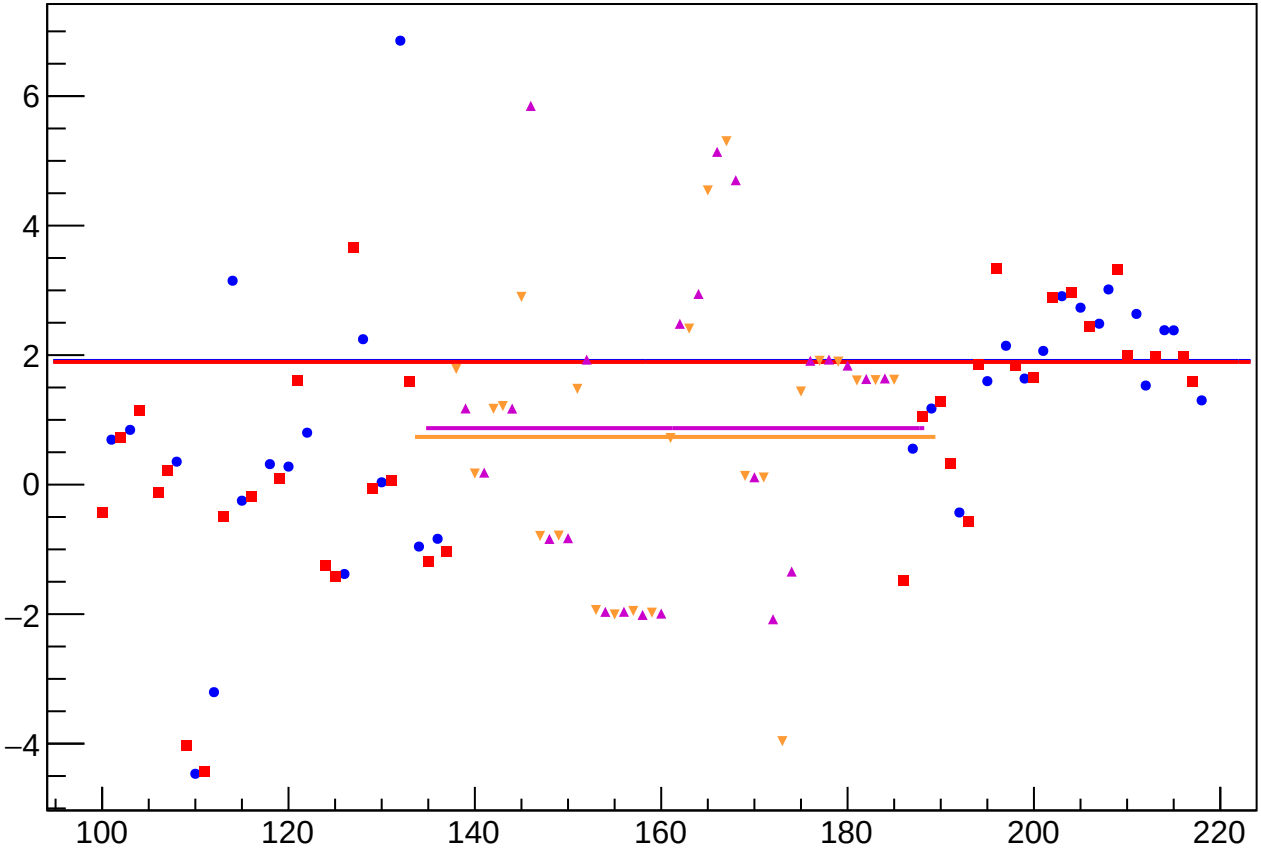
Right: 0.053+/-0.000 χ^2/NDF: 6849236.2/67

In: 0.018+/-0.000 χ^2/NDF:20398866.4/54

Out: 0.019+/-0.000 χ^2/NDF:21622262.5/60

All: 0.018+/-0.000 χ^2/NDF: 42052449.1/115

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: 1.895+/-0.000 χ^2/NDF: 44802060826.3/35

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

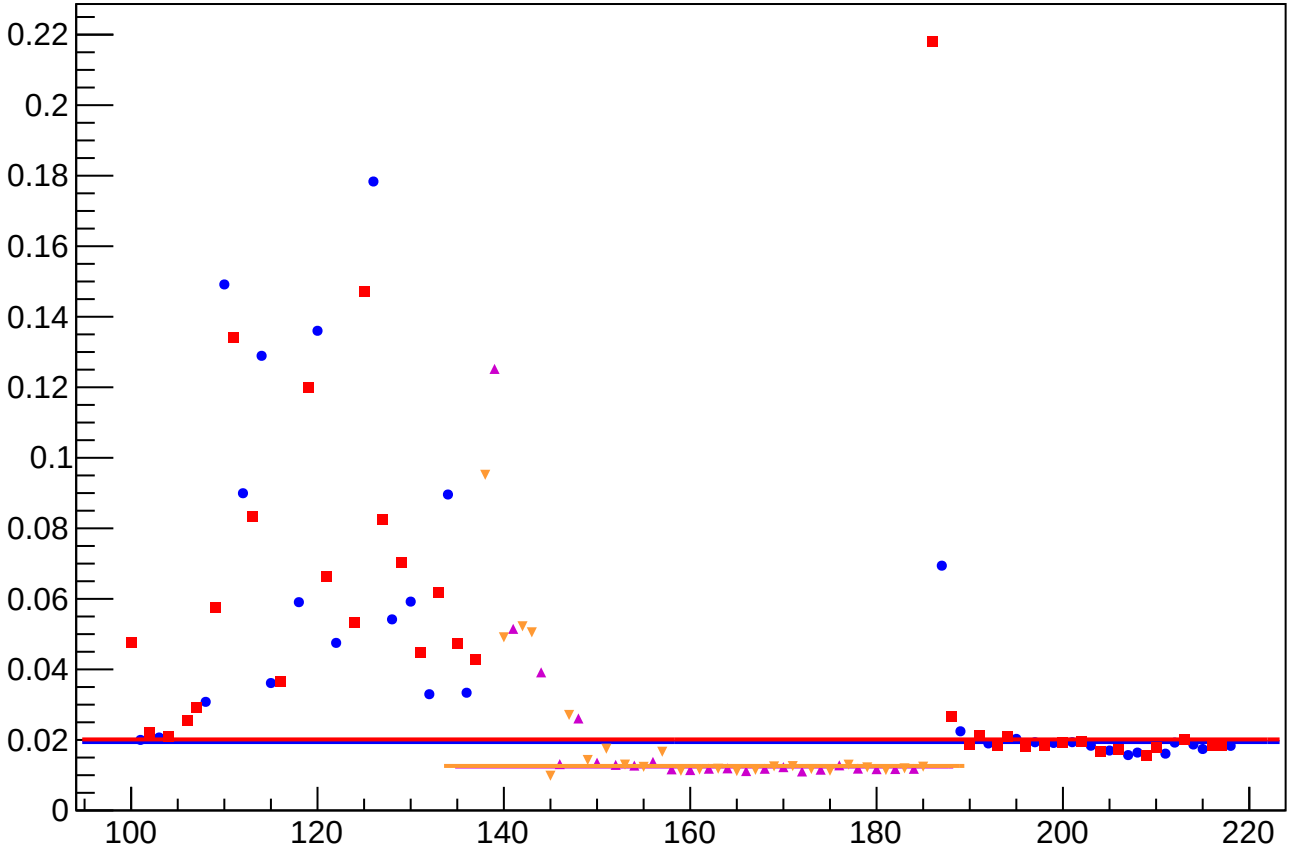
Right: 1.902+/-0.000 χ^2/NDF: 87317232431.0/67

In: 1.159+/-0.000 χ^2/NDF:692169639854.5/54

Out: 1.045+/-0.000 χ^2/NDF:616207998878.4/60

All: 1.103+/-0.000 χ^2/NDF: 1309270275334.

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: 5556936.5/35

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

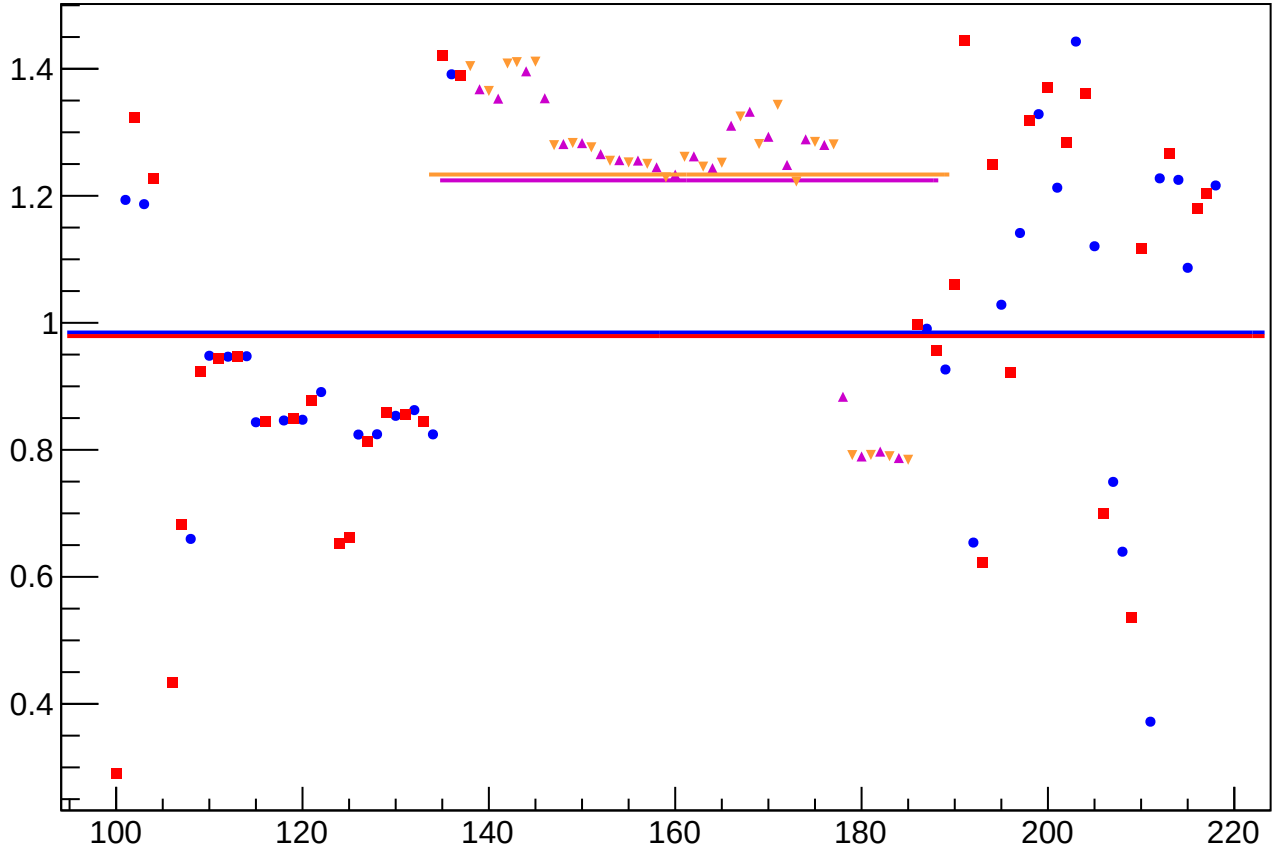
Right: 0.020+/-0.000 χ^2/NDF: 10084232.1/67

In: 0.014+/-0.000 χ^2/NDF:9903448.3/54

Out: 0.015+/-0.000 χ^2/NDF:11735534.0/60

All: 0.015+/-0.000 χ^2/NDF: 21647340.5/115

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: 0.979+/-0.000 χ^2/NDF: 2600548034.1/35

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

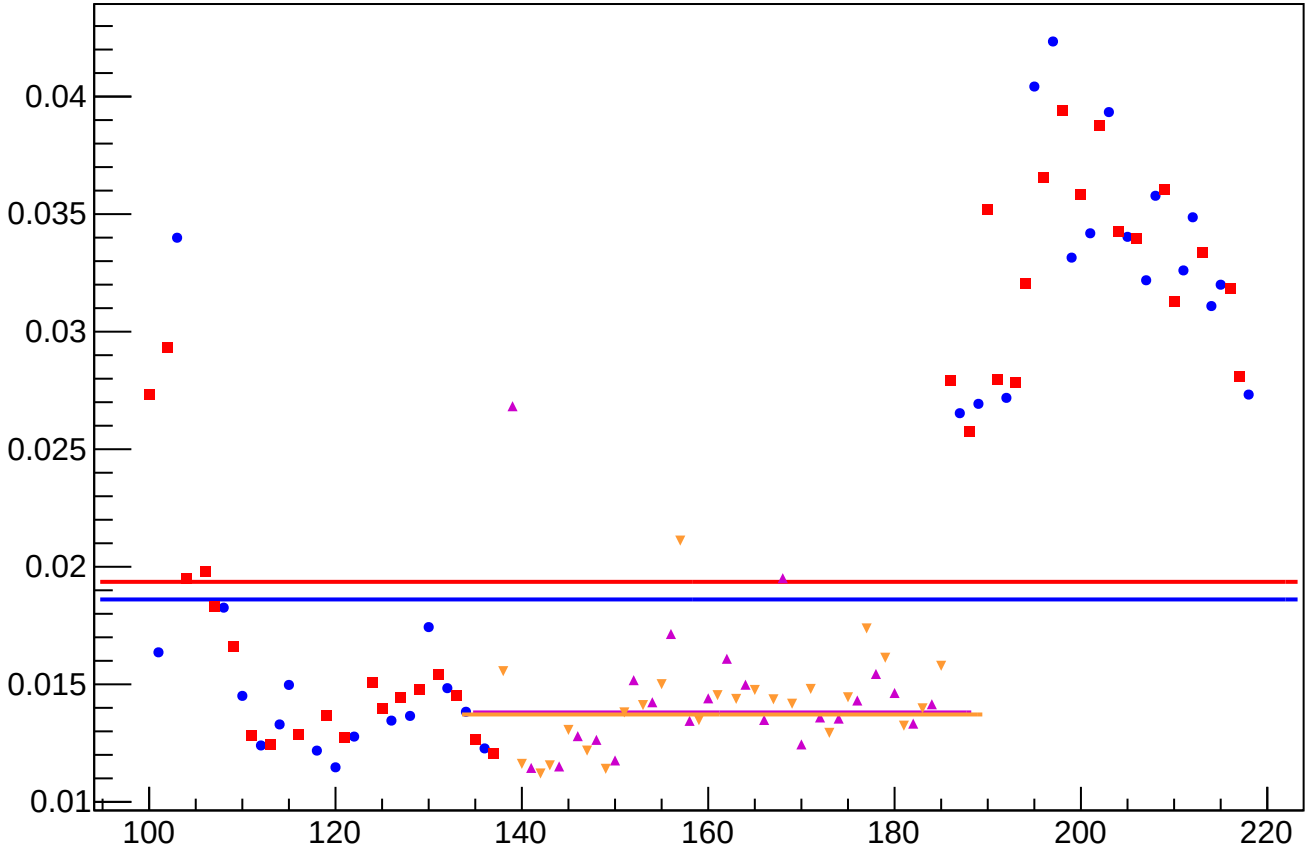
Right: 0.982+/-0.000 χ^2/NDF: 4952332433.0/67

In: 1.143+/-0.000 χ^2/NDF:6660306356.5/54

Out: 1.152+/-0.000 χ^2/NDF:7510312439.1/60

All: 1.148+/-0.000 χ^2/NDF: 14175859665.1/1

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: 0.019+/-0.000 χ^2/NDF: 6100811.6/35

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

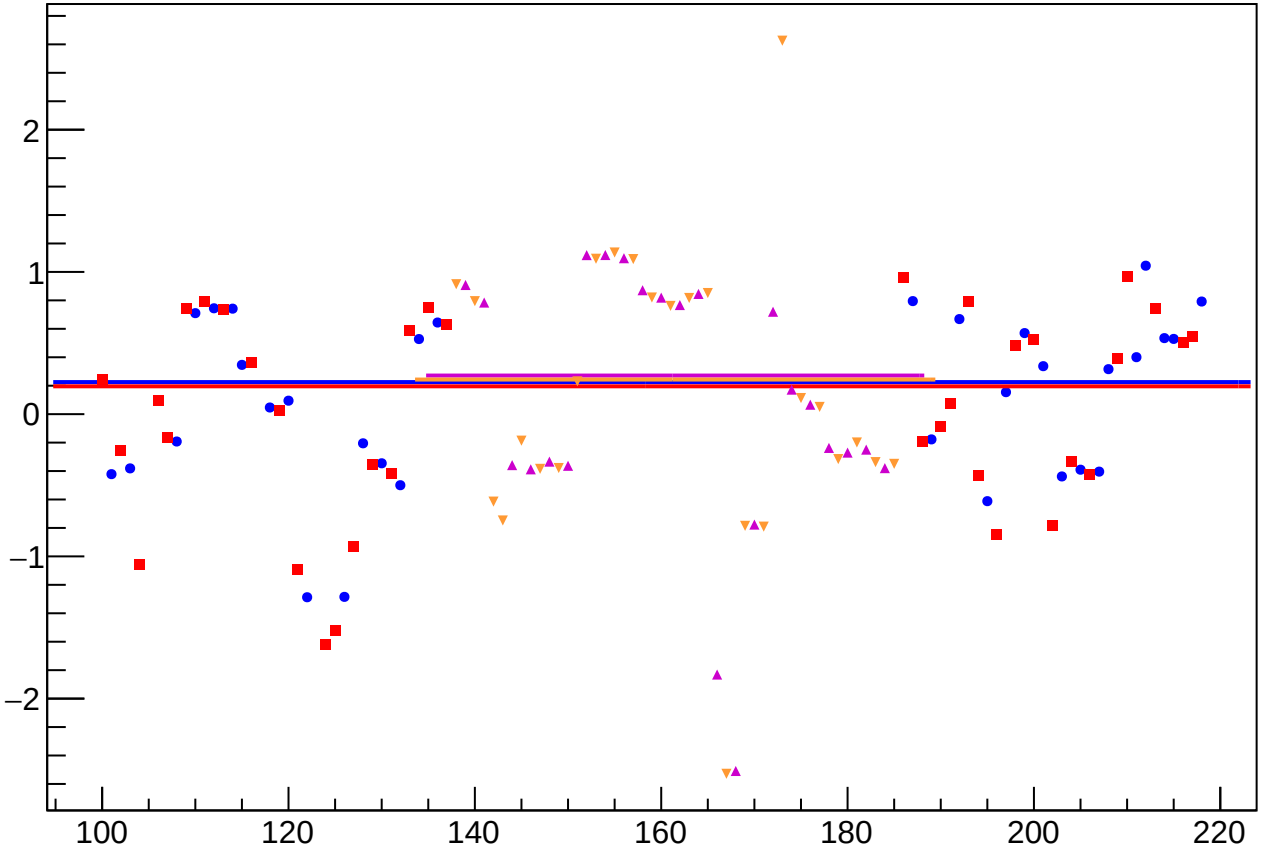
Right: 0.019+/-0.000 χ^2/NDF: 12807543.9/67

In: 0.015+/-0.000 χ^2/NDF:8885006.5/54

Out: 0.016+/-0.000 χ^2/NDF:8486659.8/60

All: 0.015+/-0.000 χ^2/NDF: 17372741.4/115

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: 0.196+/-0.000 χ^2/NDF: 50301934932.5/35

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

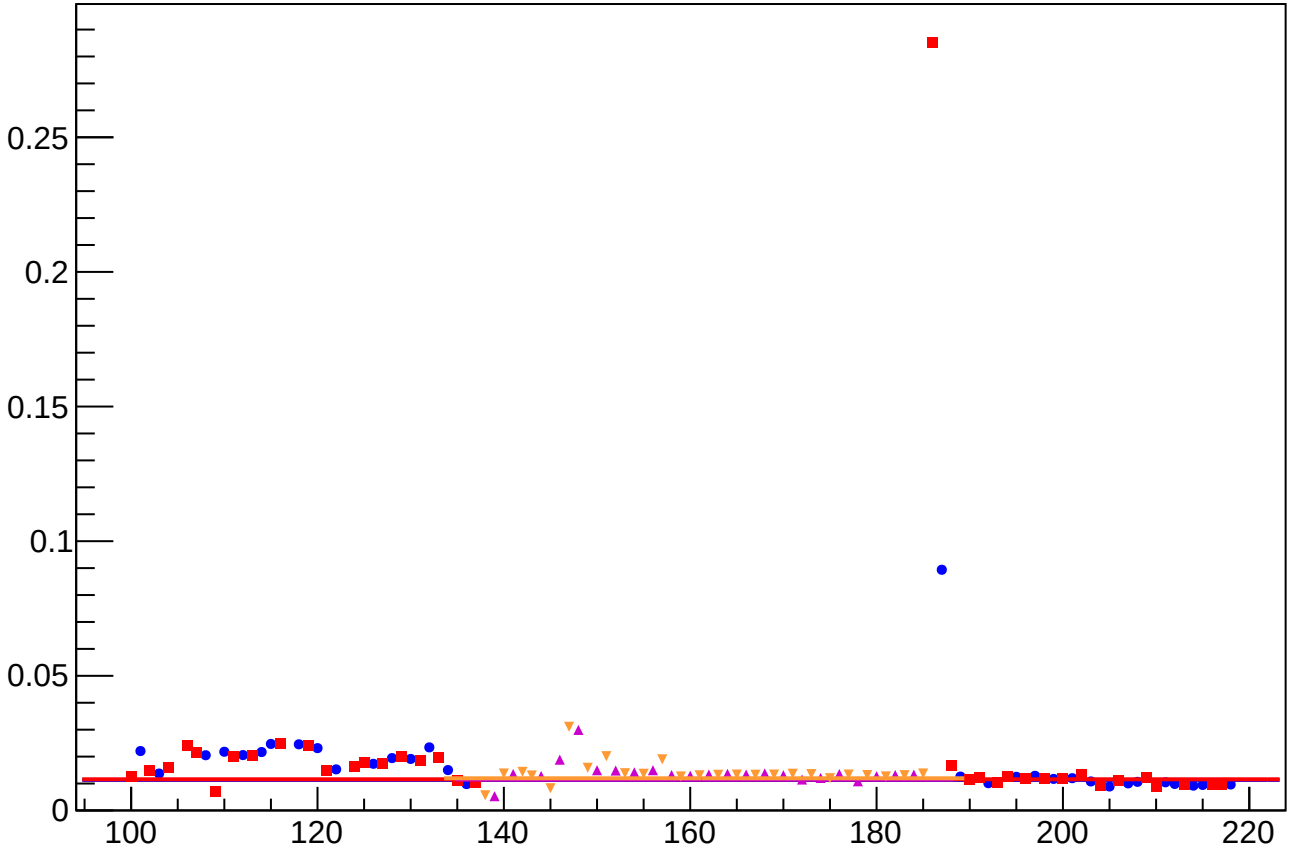
Right: 0.211+/-0.000 χ^2/NDF: 88935421298.0/67

In: 0.247+/-0.000 χ^2/NDF:129208118695.6/54

Out: 0.219+/-0.000 χ^2/NDF:156030988713.0/60

All: 0.233+/-0.000 χ^2/NDF: 285339812033.4

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: 0.012+/-0.000 χ^2/NDF: 3357280.6/35

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

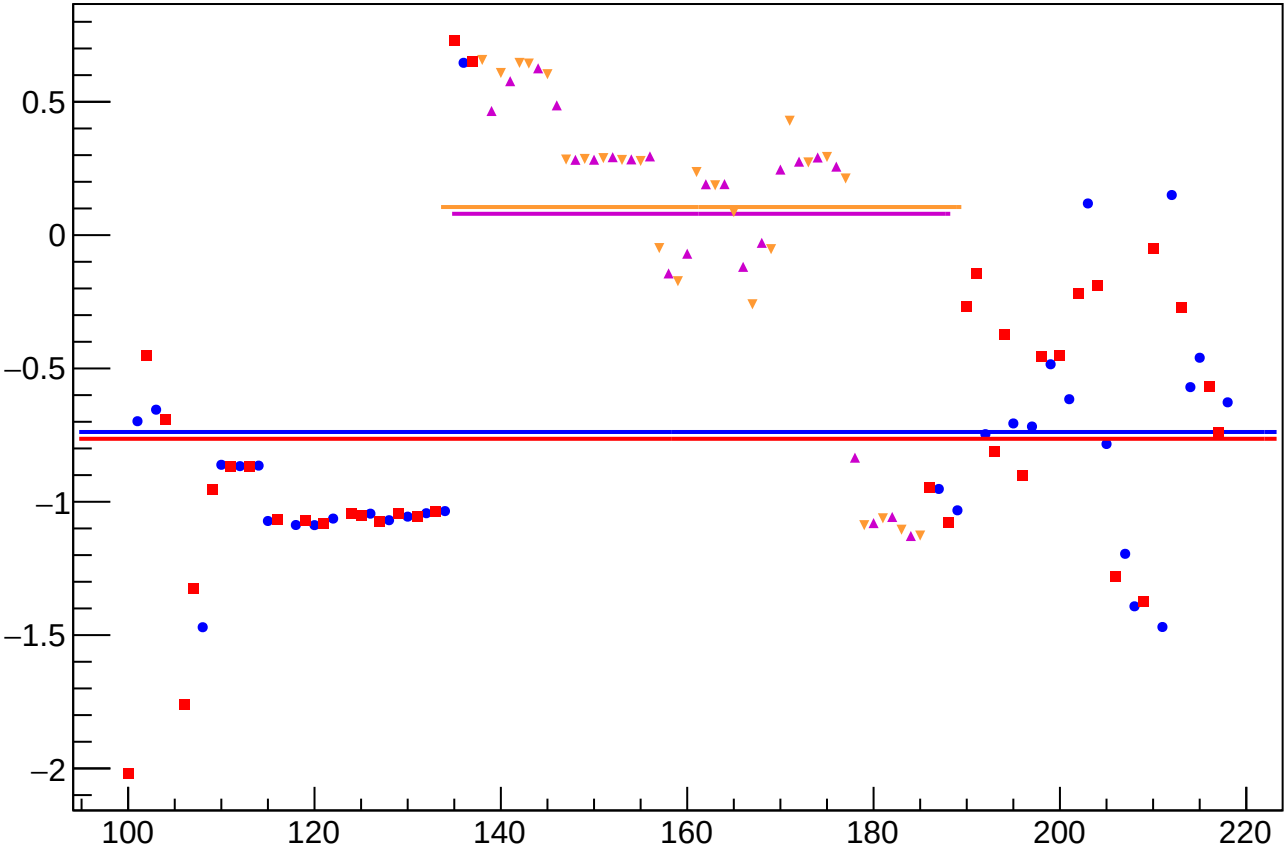
Right: 0.011+/-0.000 χ^2/NDF: 6261851.3/67

In: 0.011+/-0.000 χ^2/NDF:6572133.6/54

Out: 0.012+/-0.000 χ^2/NDF:6641454.8/60

All: 0.012+/-0.000 χ^2/NDF: 13241359.9/115

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: -0.764+/-0.000 χ^2/NDF: 2245973604.5/35

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

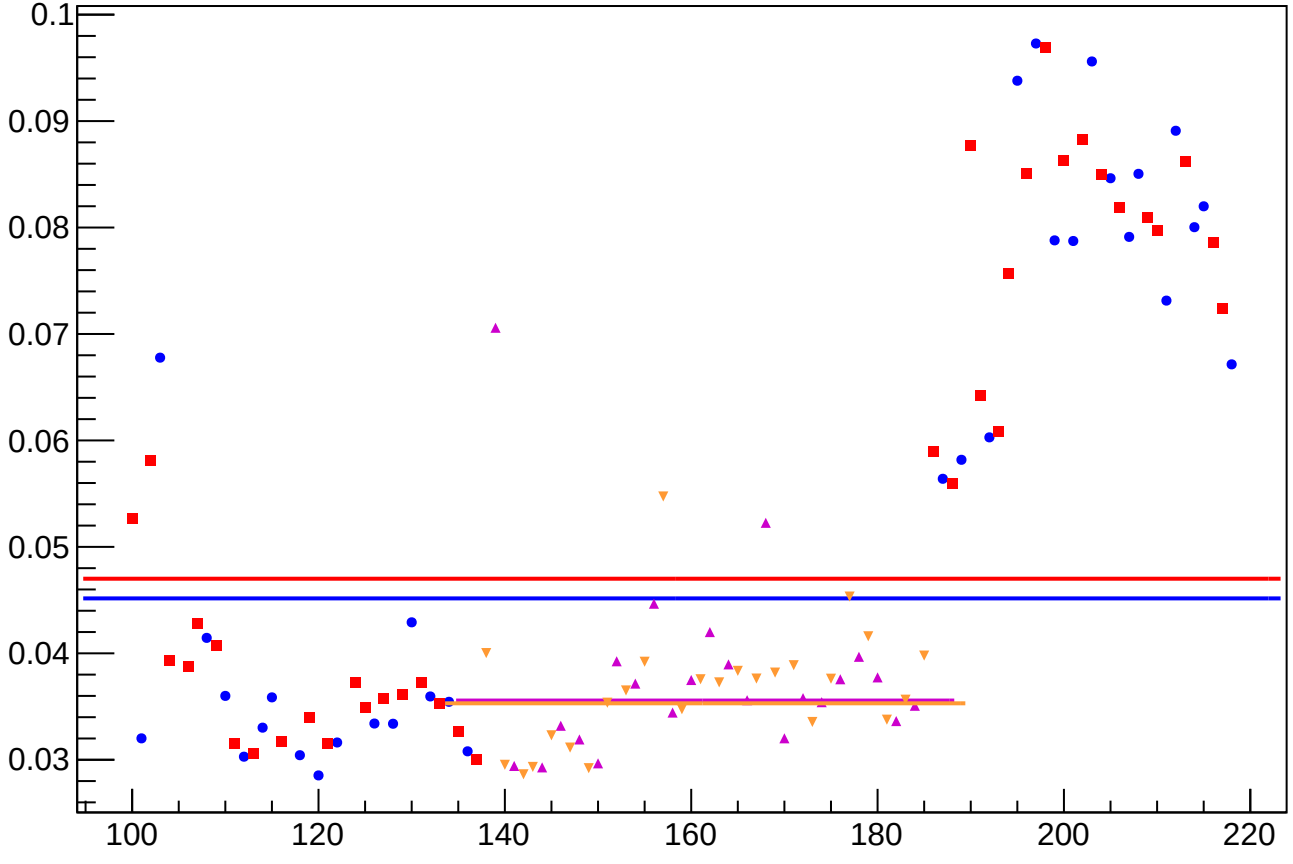
Right: -0.751+/-0.000 χ^2/NDF: 4657261378.3/67

In: -0.226+/-0.000 χ^2/NDF:8861493962.7/54

Out: -0.200+/-0.000 χ^2/NDF:9619929054.8/60

All: -0.213+/-0.000 χ^2/NDF: 18488003893.0/

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: 0.047+/-0.000 χ^2/NDF: 5699484.3/35

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

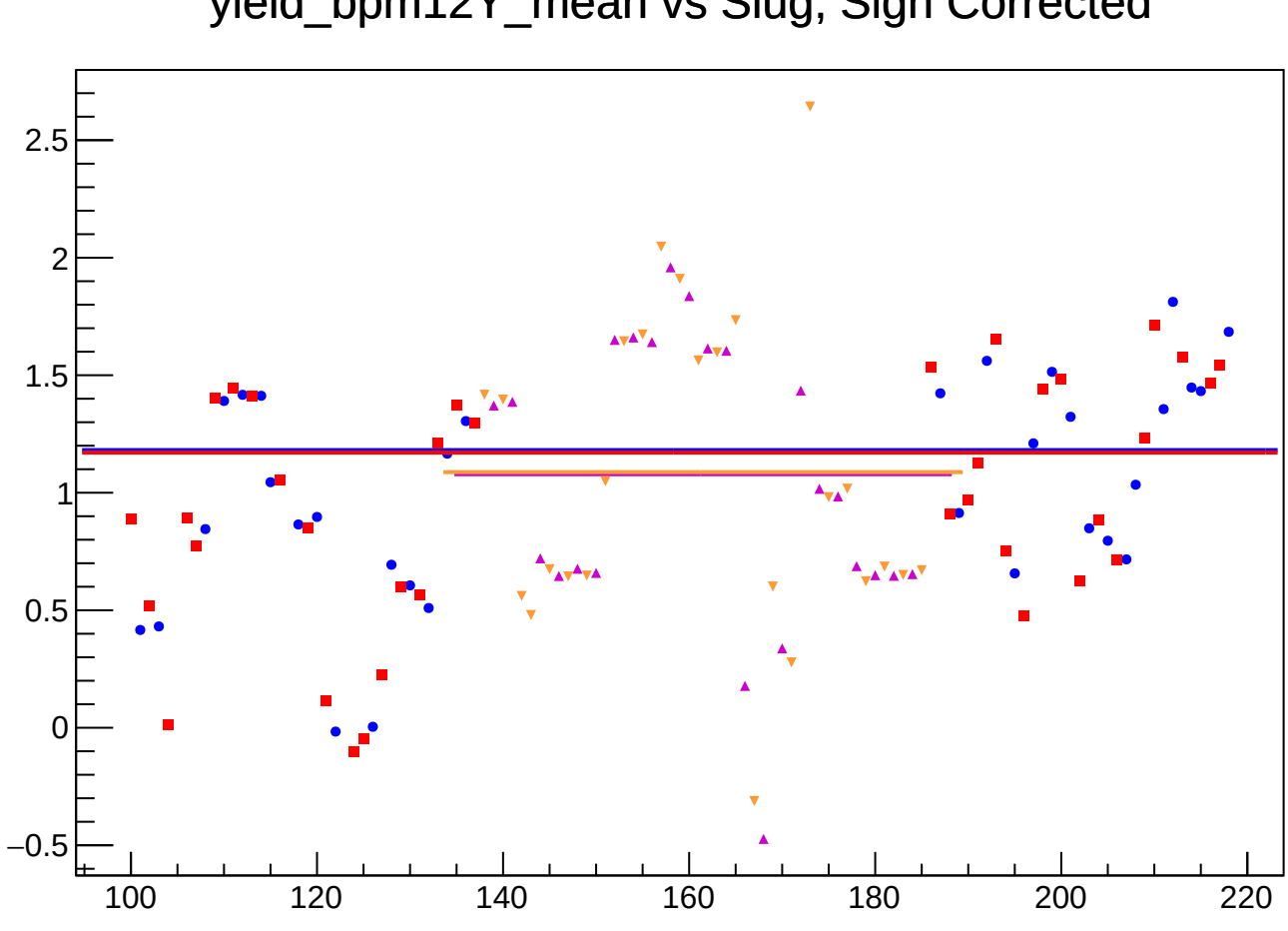
Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

Right: 0.046+/-0.000 χ^2/NDF: 12182609.8/67

In: 0.039+/-0.000 χ^2/NDF:8293684.8/54

Out: 0.039+/-0.000 χ^2/NDF:7613253.9/60

All: 0.039+/-0.000 χ^2/NDF: 15908474.4/115



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: 1.171+/-0.000 χ^2/NDF: 64312640182.6/35

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

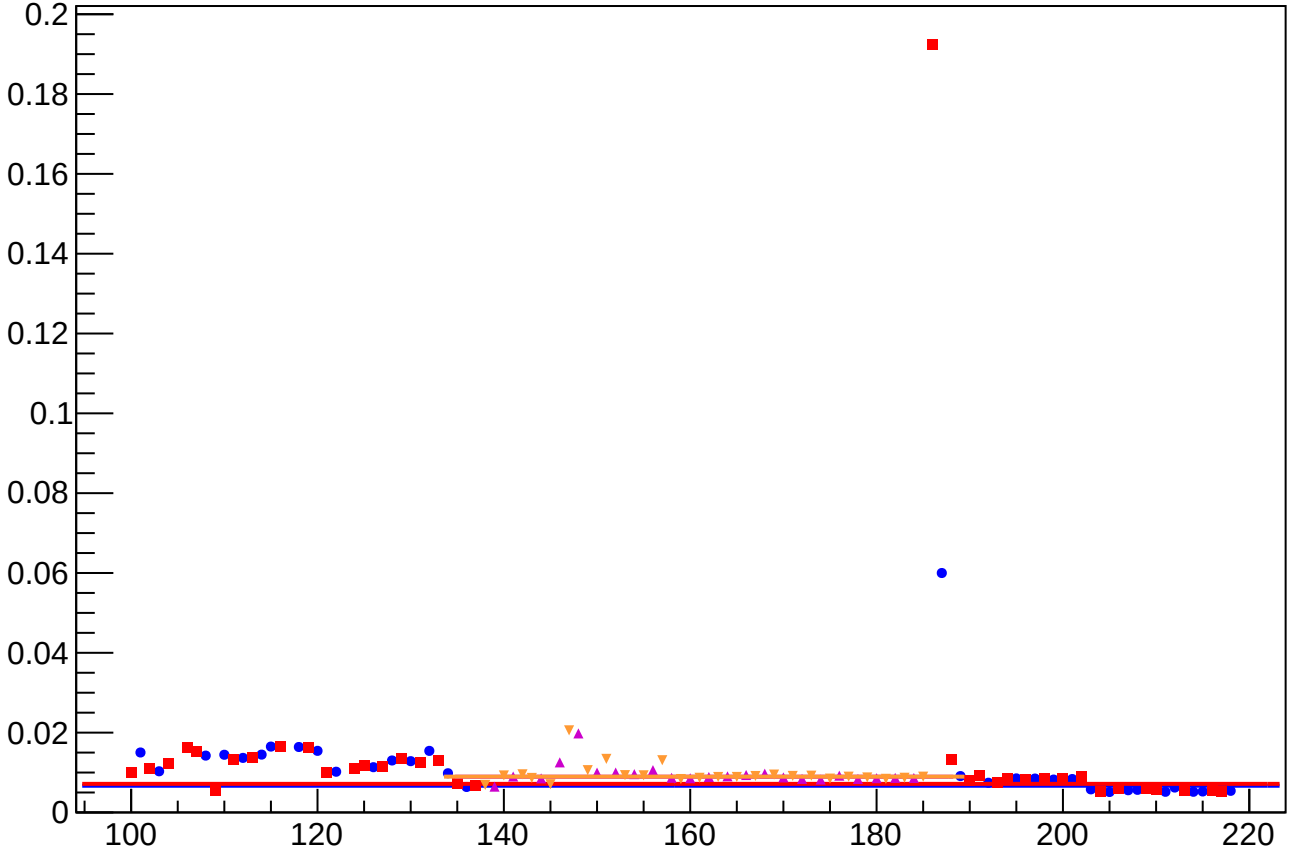
Right: 1.176+/-0.000 χ^2/NDF: 123101884626.9/67

In: 1.144+/-0.000 χ^2/NDF:134274499141.2/54

Out: 1.137+/-0.000 χ^2/NDF:159081923242.4/60

All: 1.141+/-0.000 χ^2/NDF: 293370852536.3

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: 4551632.7/35

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

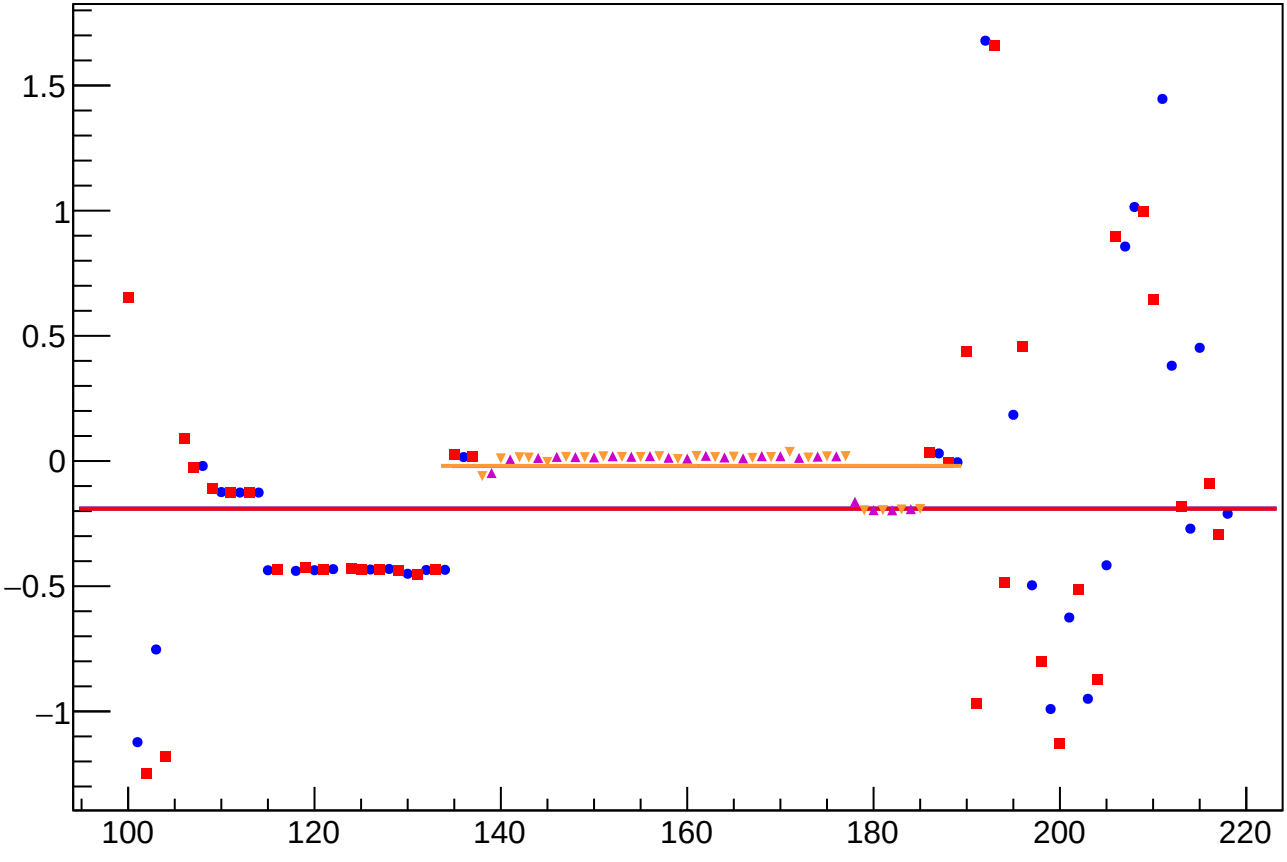
Right: 0.007+/-0.000 χ^2/NDF: 8906965.3/67

In: 0.008+/-0.000 χ^2/NDF:6614907.2/54

Out: 0.008+/-0.000 χ^2/NDF:6568569.0/60

All: 0.008+/-0.000 χ^2/NDF: 13268113.6/115

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: 4554999924.7/35

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

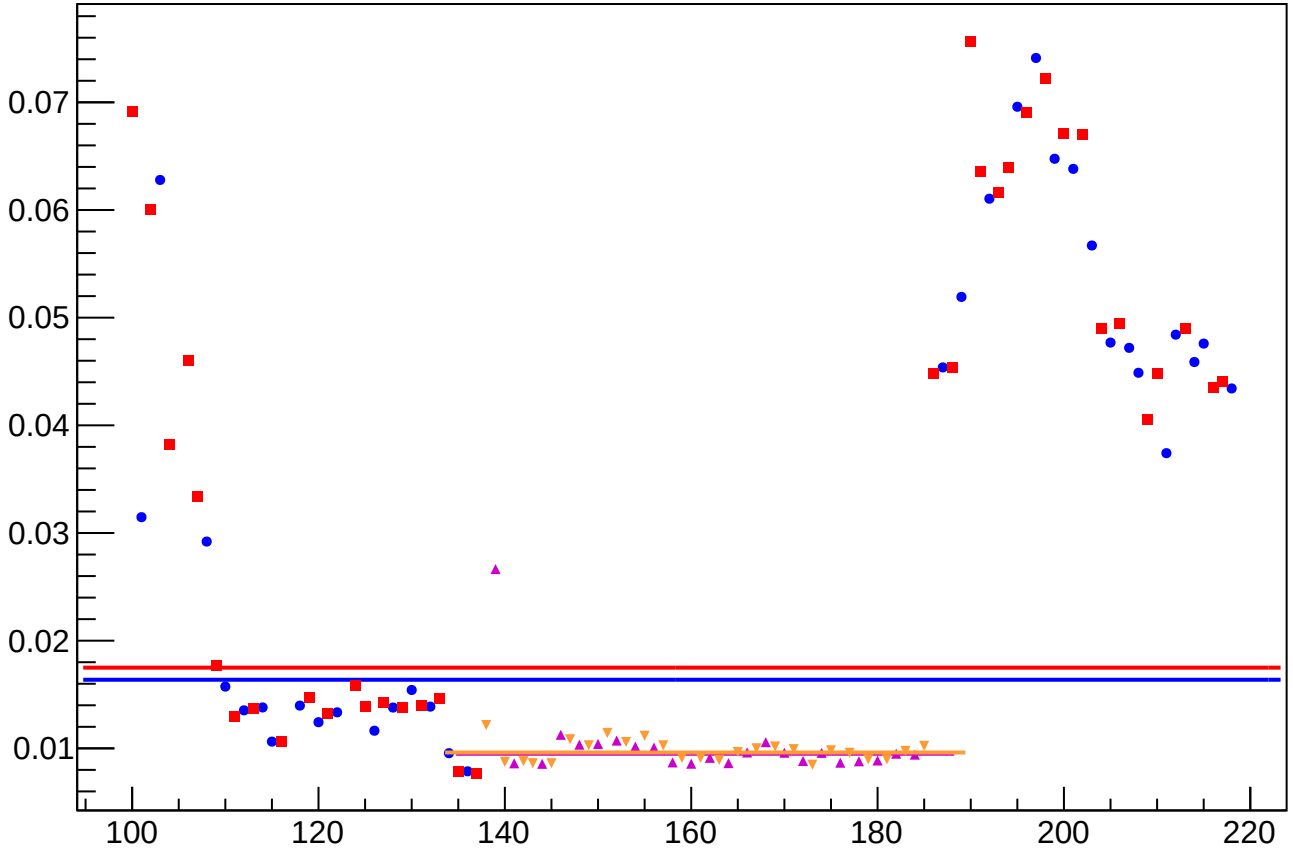
Right: -0.190+/-0.000 χ^2/NDF: 10768866623.7/67

In: -0.053+/-0.000 χ^2/NDF:8136467044.6/54

Out: -0.048+/-0.000 χ^2/NDF:6498316863.4/60

All: -0.051+/-0.000 χ^2/NDF: 14636777000.6/

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: 0.017+/-0.000 χ^2/NDF: 15194792.3/35

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

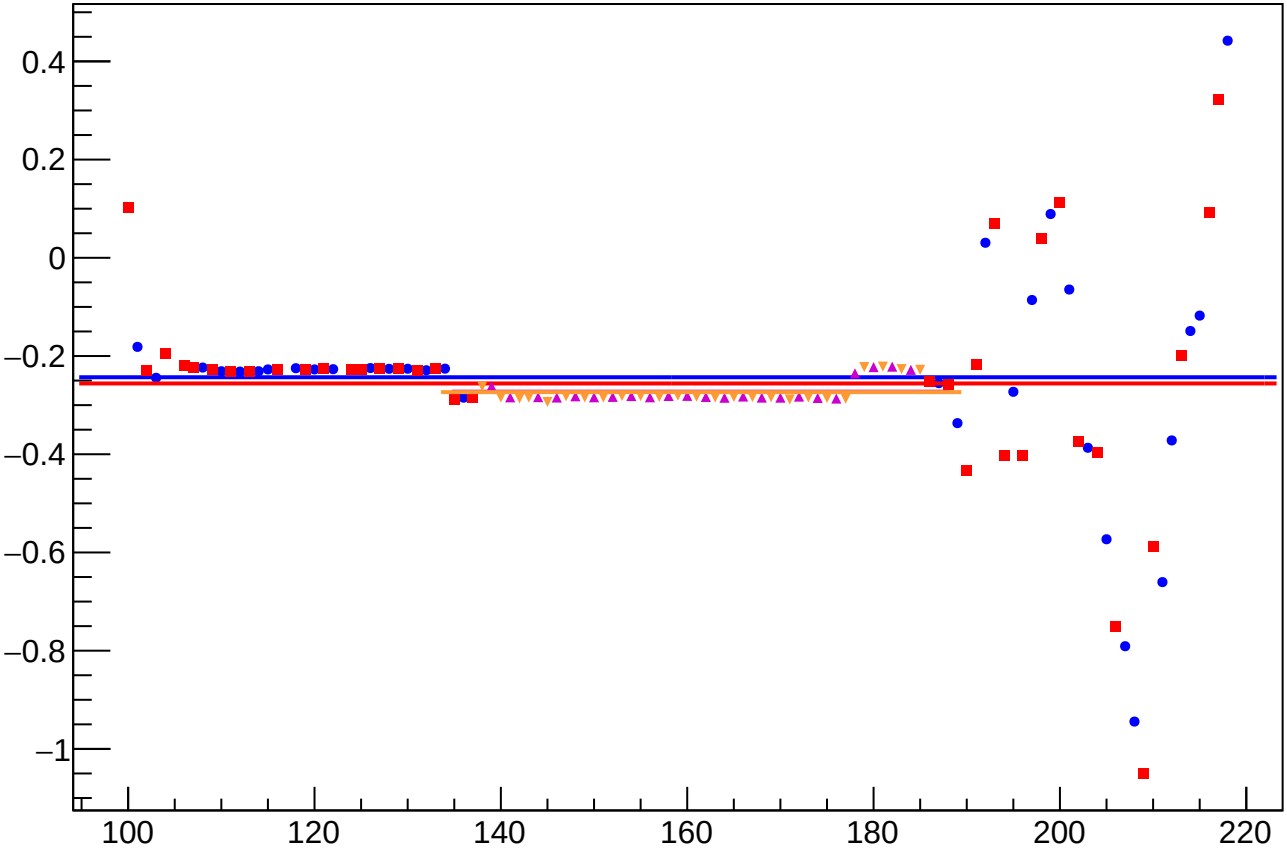
Right: 0.017+/-0.000 χ^2/NDF: 30285444.1/67

In: 0.011+/-0.000 χ^2/NDF:19017562.9/54

Out: 0.011+/-0.000 χ^2/NDF:19219352.6/60

All: 0.011+/-0.000 χ^2/NDF: 38240780.5/115

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: -0.256+/-0.000 χ^2/NDF: 33381854570.6/35

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

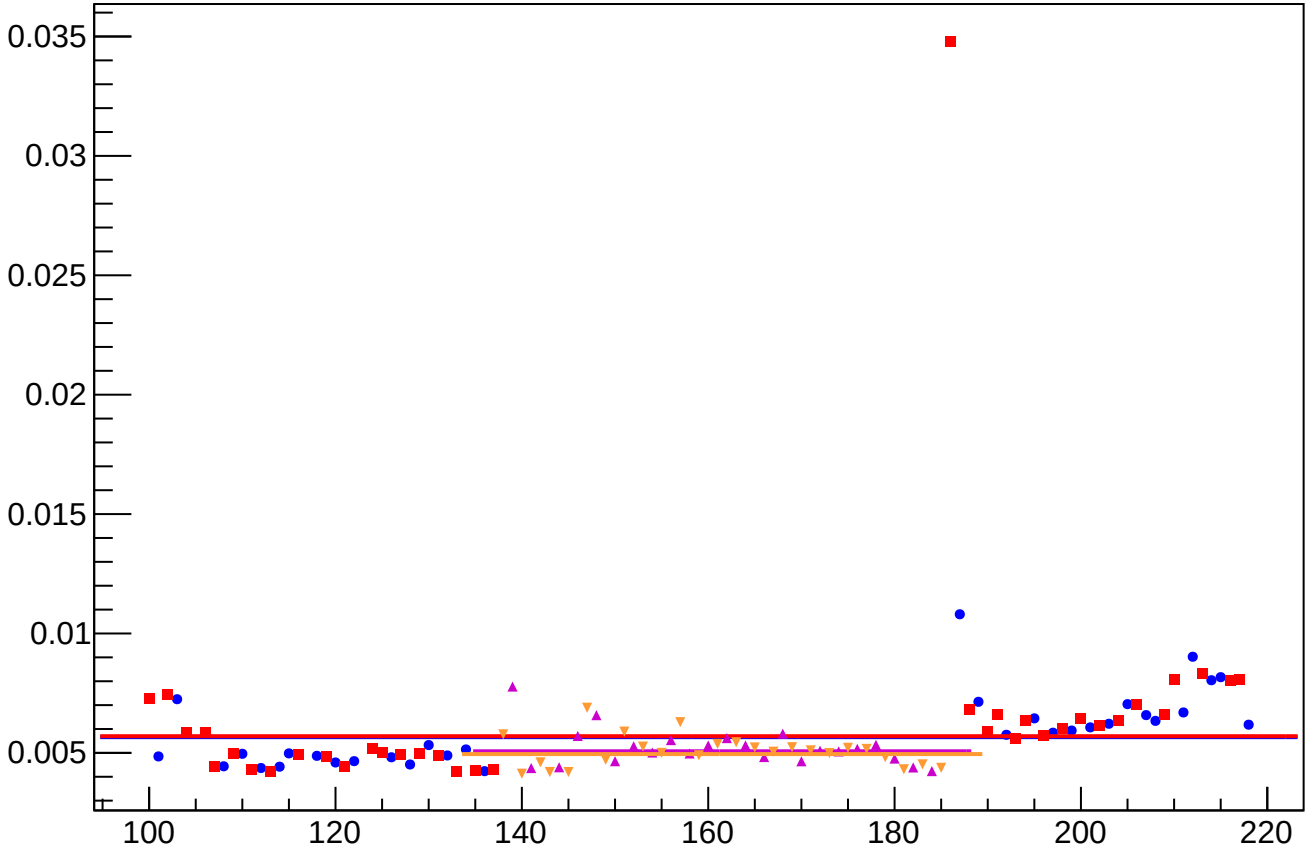
Right: -0.250+/-0.000 χ^2/NDF: 70931842922.3/67

In: -0.259+/-0.000 χ^2/NDF:38103979005.2/54

Out: -0.266+/-0.000 χ^2/NDF:33877127311.2/60

All: -0.263+/-0.000 χ^2/NDF: 72009336985.4/

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: 2100815.5/35

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

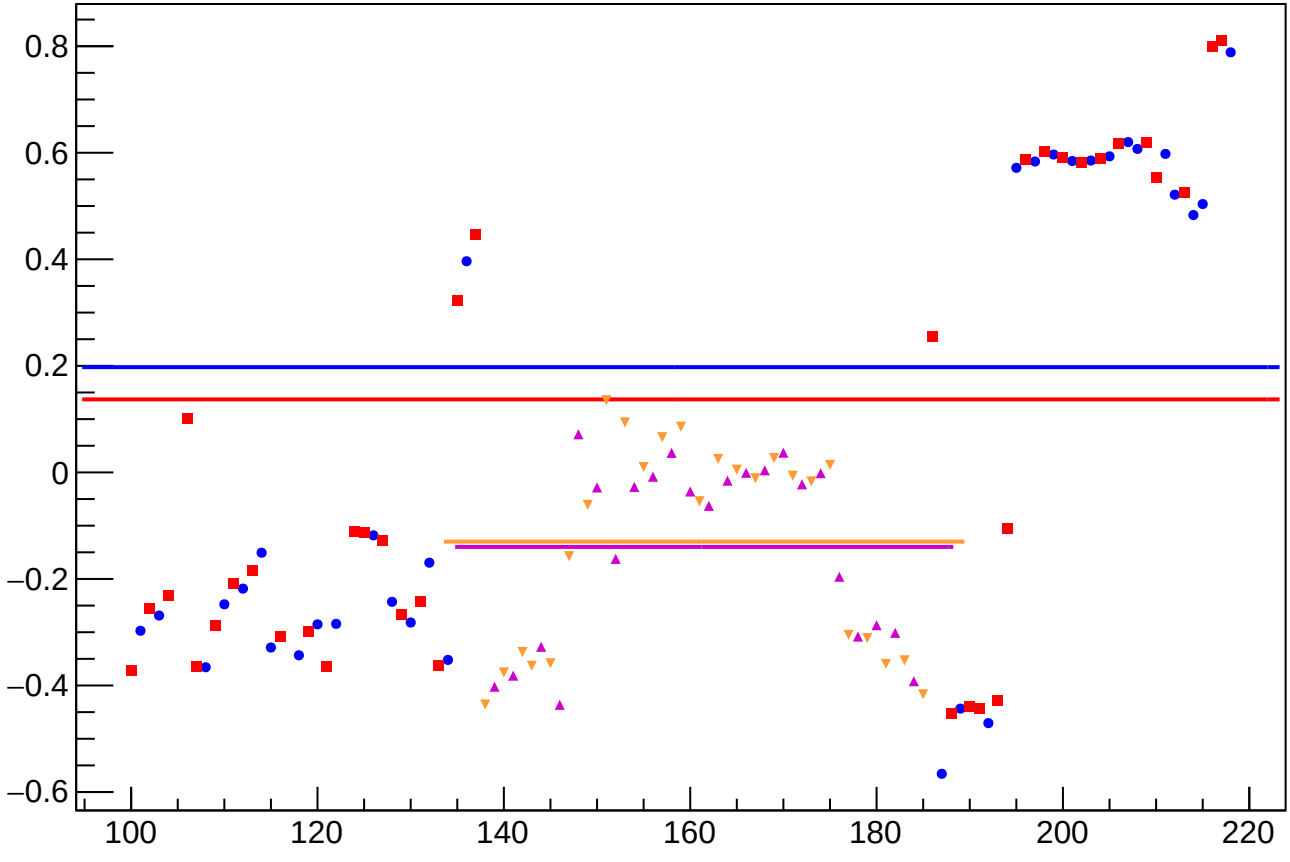
Right: 0.006+/-0.000 χ^2/NDF: 3620319.9/67

In: 0.005+/-0.000 χ^2/NDF:2272377.1/54

Out: 0.005+/-0.000 χ^2/NDF:2988313.4/60

All: 0.005+/-0.000 χ^2/NDF: 5265619.0/115

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: 0.137+/-0.000 χ^2/NDF: 84652155301.9/35

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

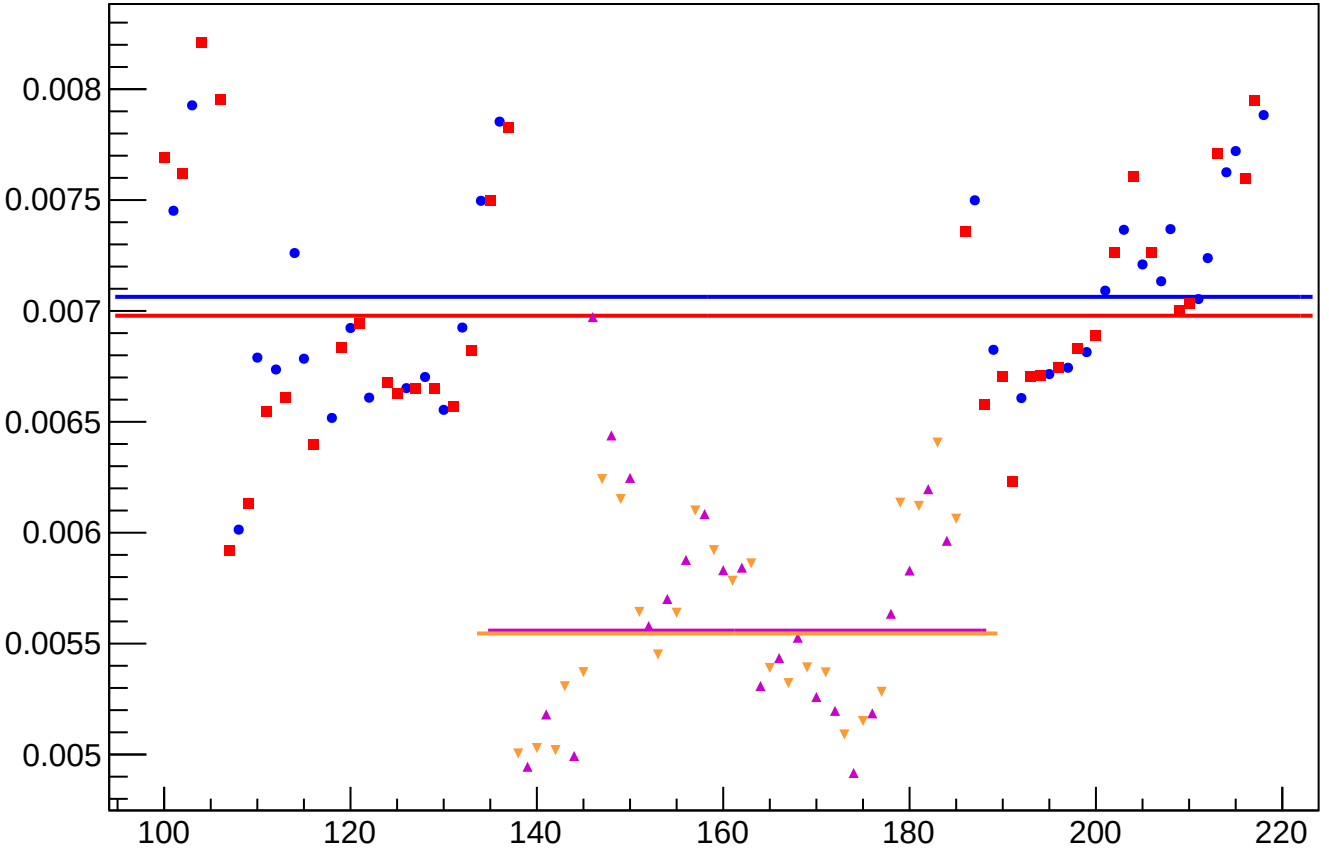
Right: 0.167+/-0.000 χ^2/NDF: 165006339729.2/67

In: 0.000+/-0.000 χ^2/NDF:121183605642.8/54

Out: -0.021+/-0.000 χ^2/NDF:123563152355.4/60

All: -0.011+/-0.000 χ^2/NDF: 244958575846.1

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: 200826.9/35

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

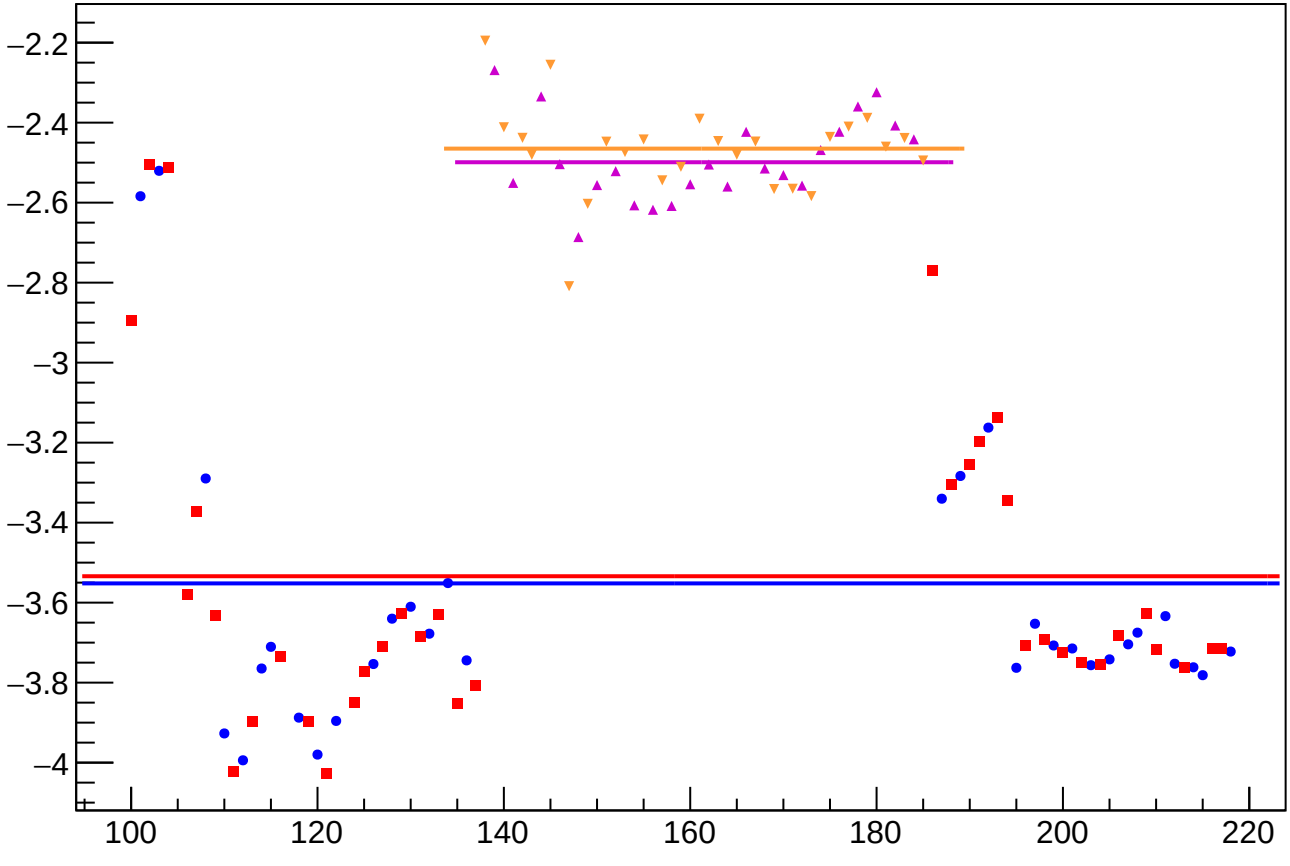
Right: 0.007+/-0.000 χ^2/NDF: 365844.4/67

In: 0.006+/-0.000 χ^2/NDF:1474418.0/54

Out: 0.006+/-0.000 χ^2/NDF:1405855.4/60

All: 0.006+/-0.000 χ^2/NDF: 2882791.6/115

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: -3.534+/-0.000 χ^2/NDF: 35540853611.6/35

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

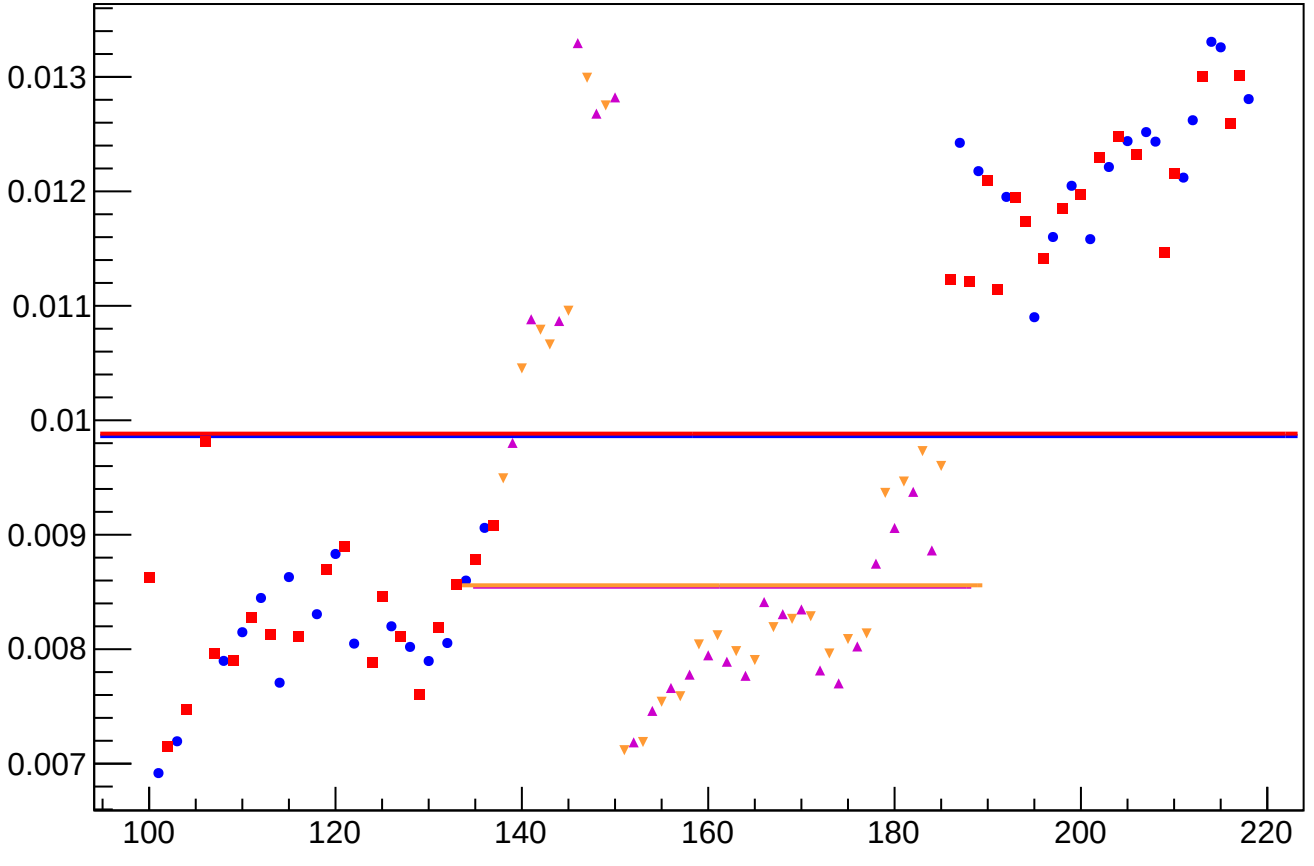
Right: -3.543+/-0.000 χ^2/NDF: 69409127120.6/67

In: -2.976+/-0.000 χ^2/NDF:153660551410.8/54

Out: -2.941+/-0.000 χ^2/NDF:163248295563.0/60

All: -2.958+/-0.000 χ^2/NDF: 317183164704.1

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: 1614534.7/35

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

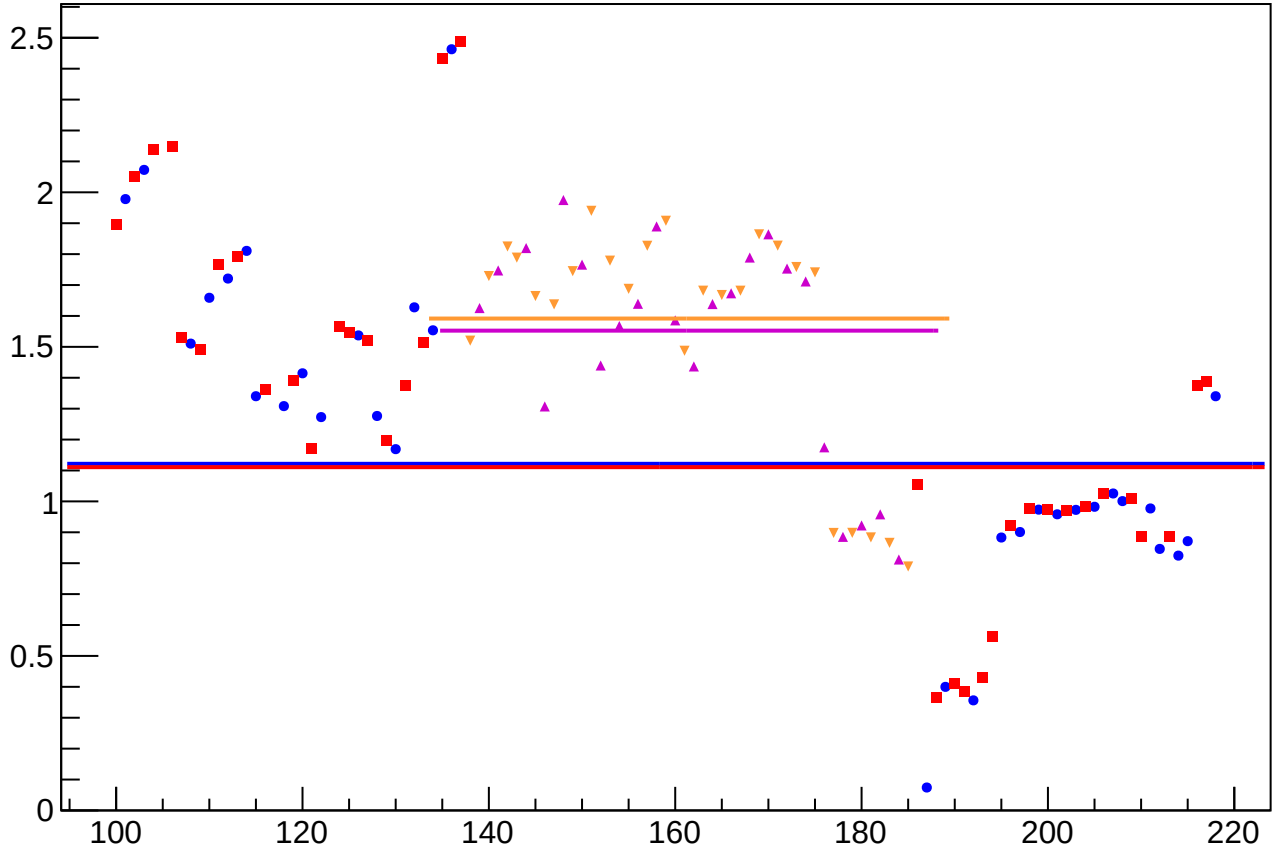
Right: 0.010+/-0.000 χ^2/NDF: 3454041.7/67

In: 0.009+/-0.000 χ^2/NDF:3117308.4/54

Out: 0.009+/-0.000 χ^2/NDF:2824239.0/60

All: 0.009+/-0.000 χ^2/NDF: 5941562.1/115

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: 1.111+/-0.000 χ^2/NDF: 35503992643.9/35

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

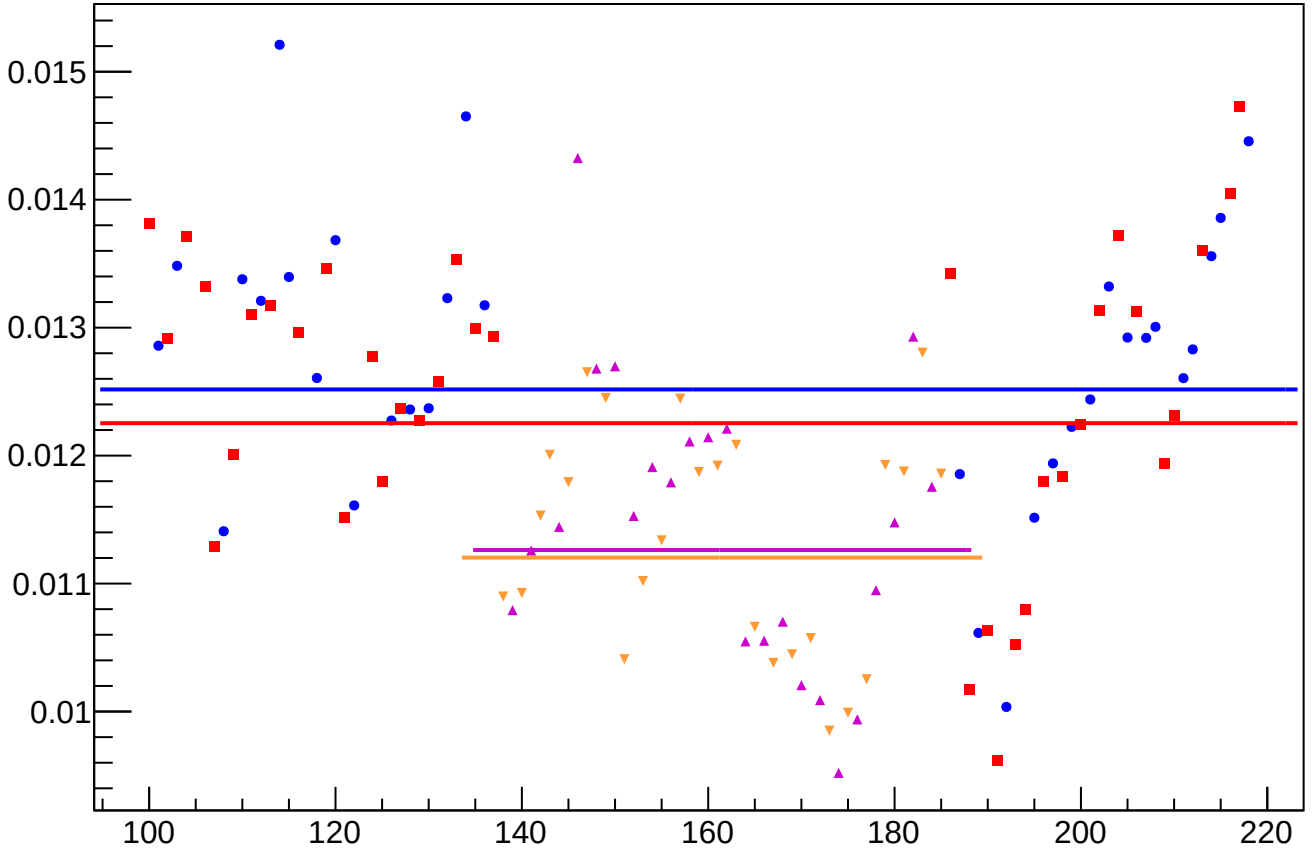
Right: 1.116+/-0.000 χ^2/NDF: 66440186956.3/67

In: 1.346+/-0.000 χ^2/NDF:57110740764.2/54

Out: 1.363+/-0.000 χ^2/NDF:68712807695.1/60

All: 1.355+/-0.000 χ^2/NDF: 125862854700.1

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: 403415.6/35

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

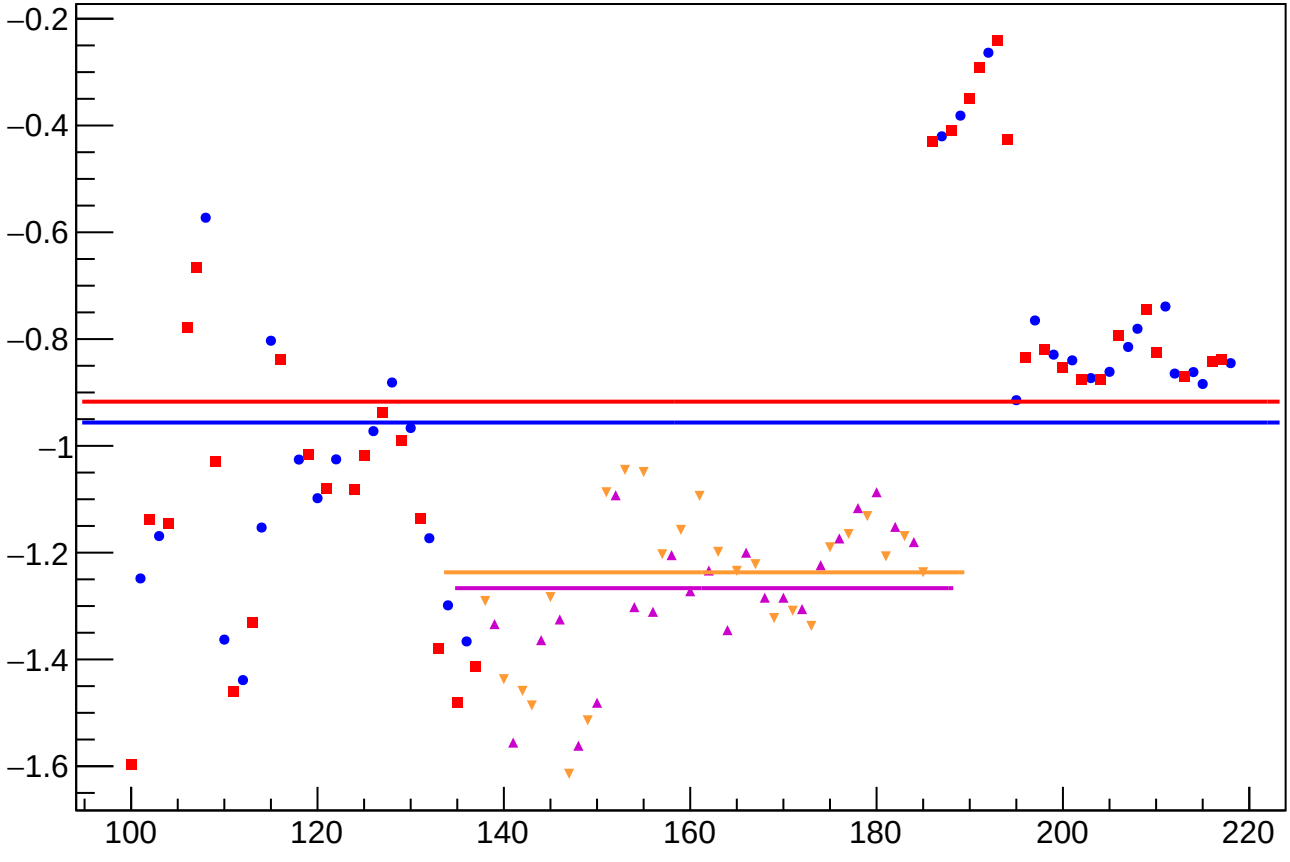
Right: 0.012+/-0.000 χ^2/NDF: 715698.9/67

In: 0.012+/-0.000 χ^2/NDF:820674.9/54

Out: 0.012+/-0.000 χ^2/NDF:780915.0/60

All: 0.012+/-0.000 χ^2/NDF: 1608588.5/115

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: -0.917+/-0.000 χ^2/NDF: 17029647214.6/35

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

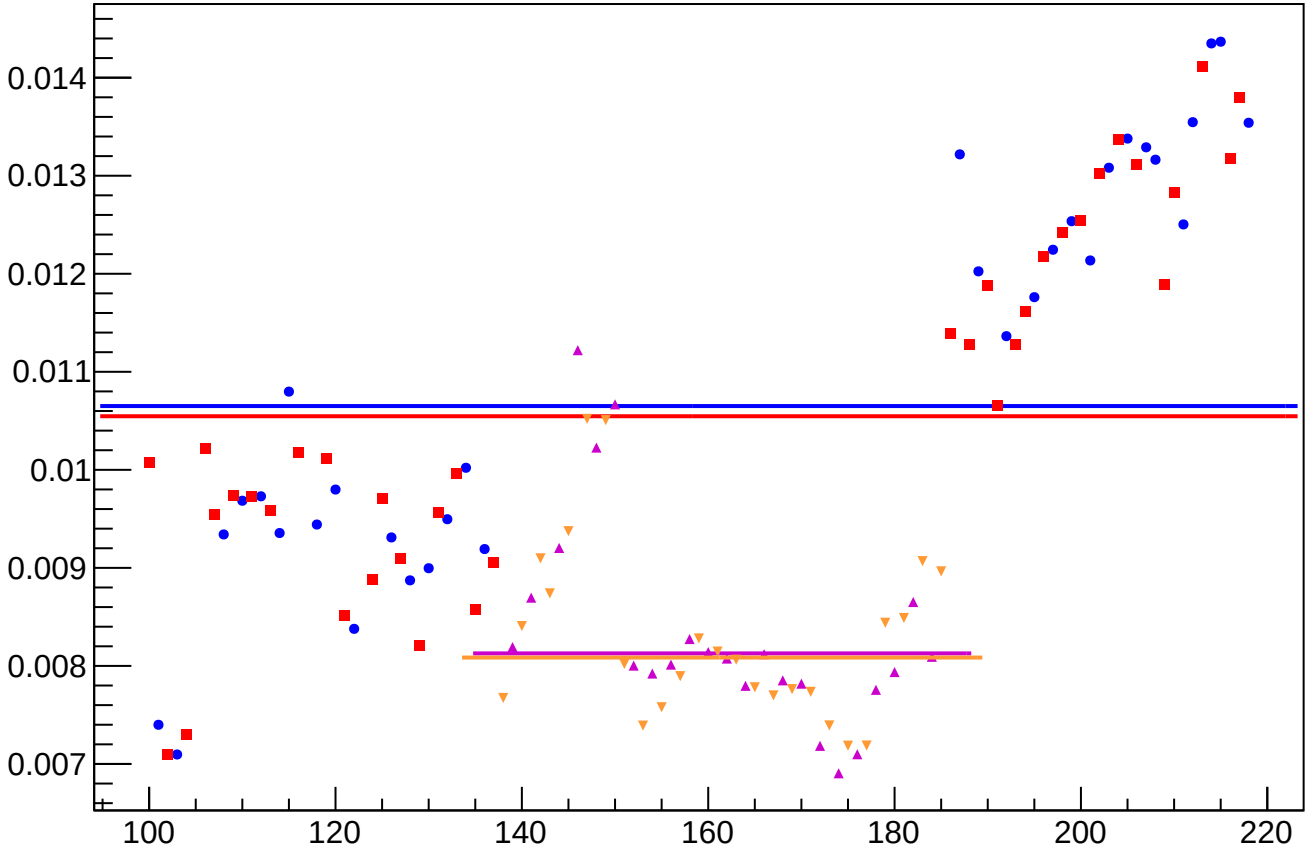
Right: -0.936+/-0.000 χ^2/NDF: 29725699575.5/67

In: -1.146+/-0.000 χ^2/NDF:25966552628.8/54

Out: -1.114+/-0.000 χ^2/NDF:32873694686.5/60

All: -1.129+/-0.000 χ^2/NDF: 59059880010.9/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



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: 1451882.4/35

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

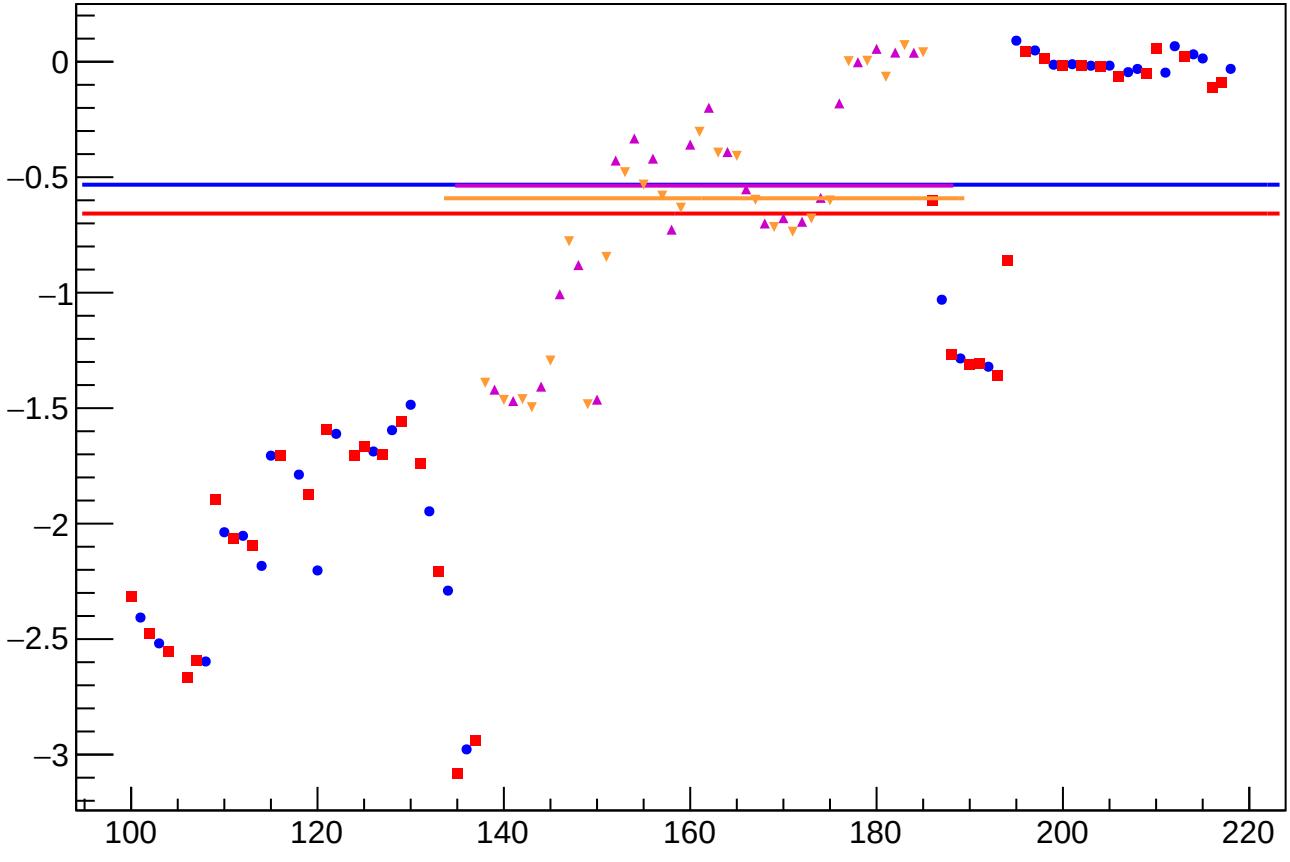
Right: 0.011+/-0.000 χ^2/NDF: 3073515.2/67

In: 0.009+/-0.000 χ^2/NDF:3315411.9/54

Out: 0.009+/-0.000 χ^2/NDF:3067785.2/60

All: 0.009+/-0.000 χ^2/NDF: 6385908.2/115

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -0.532+/-0.000 χ^2/NDF: 419854148548.0/31

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.657+/-0.000 χ^2/NDF: 441286491295.9/35

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

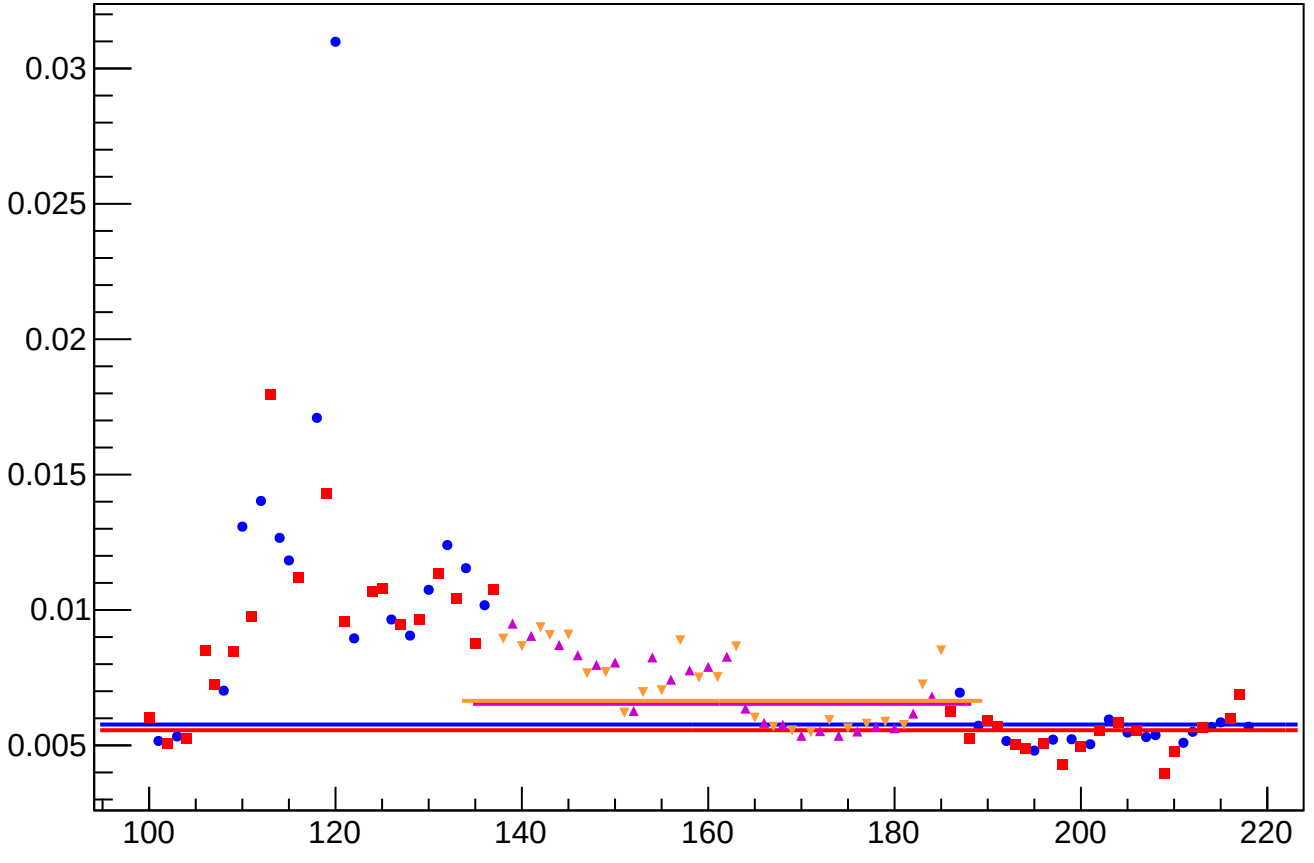
Right: -0.598+/-0.000 χ^2/NDF: 865229592590.4/67

In: -0.534+/-0.000 χ^2/NDF:490026315650.1/54

Out: -0.630+/-0.000 χ^2/NDF:514948593783.3/60

All: -0.584+/-0.000 χ^2/NDF: 1009139320790

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: 2746148.4/35

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

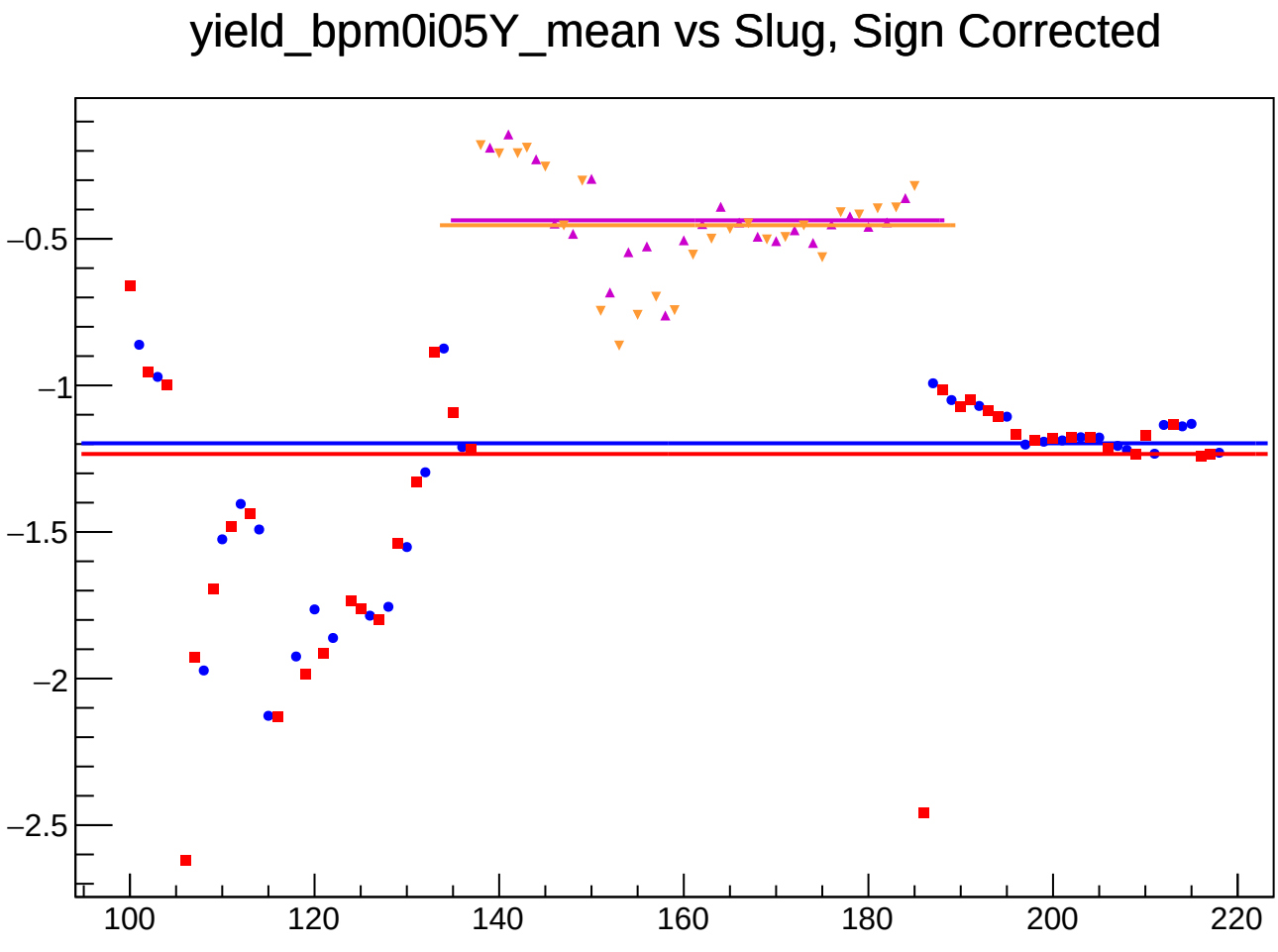
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 5311913.8/67

In: 0.006+/-0.000 χ^2/NDF:3943519.6/54

Out: 0.006+/-0.000 χ^2/NDF:4367242.7/60

All: 0.006+/-0.000 χ^2/NDF: 8318539.2/115



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: 72816454247.3/35

Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

Left: -0.446+/-0.000 χ^2/NDF: 45759847773.7/47

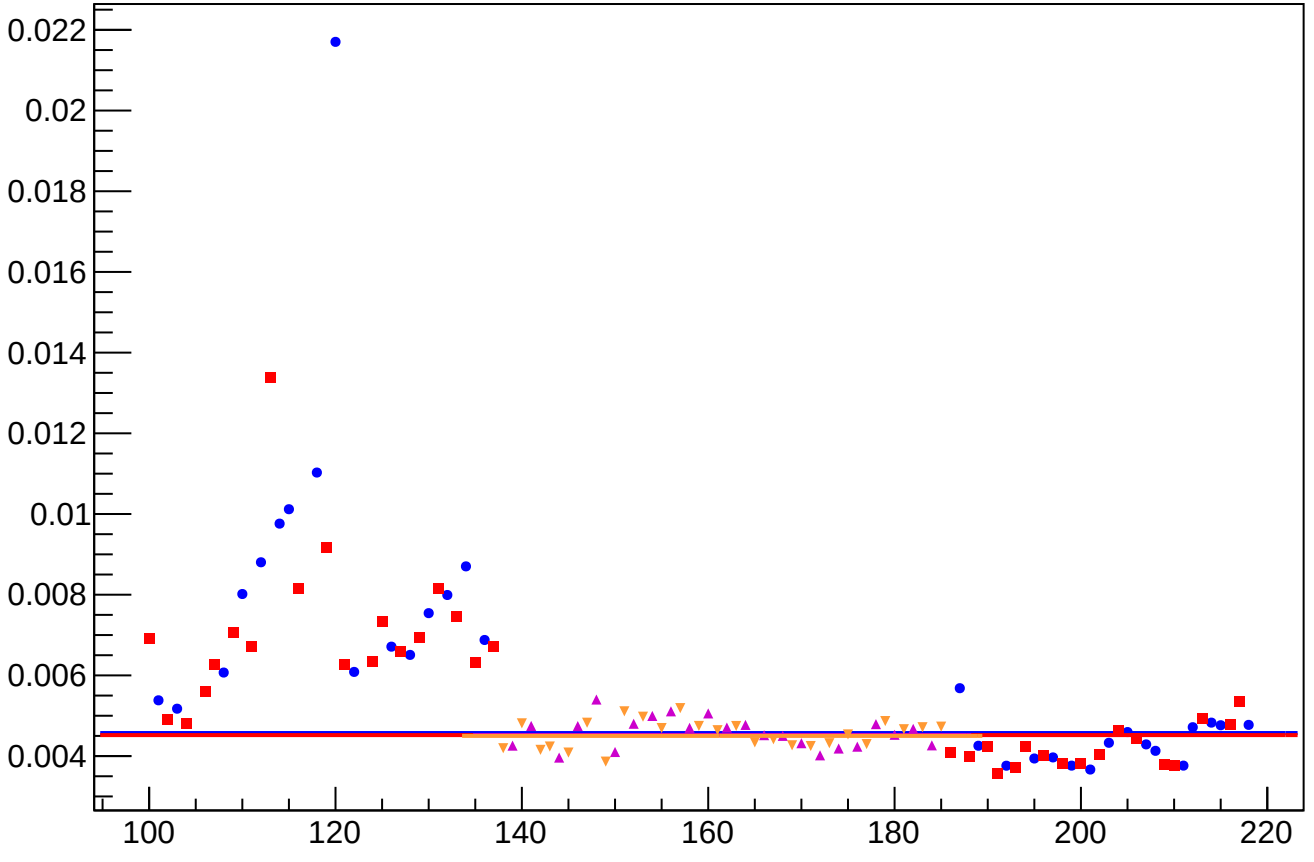
Right: -1.216+/-0.000 χ^2/NDF: 101046781003.9/67

In: -0.814+/-0.000 χ^2/NDF:278205303743.8/54

Out: -0.839+/-0.000 χ^2/NDF:363605954038.8/60

All: -0.827+/-0.000 χ^2/NDF: 642326634808.9

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: 2025589.1/35

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

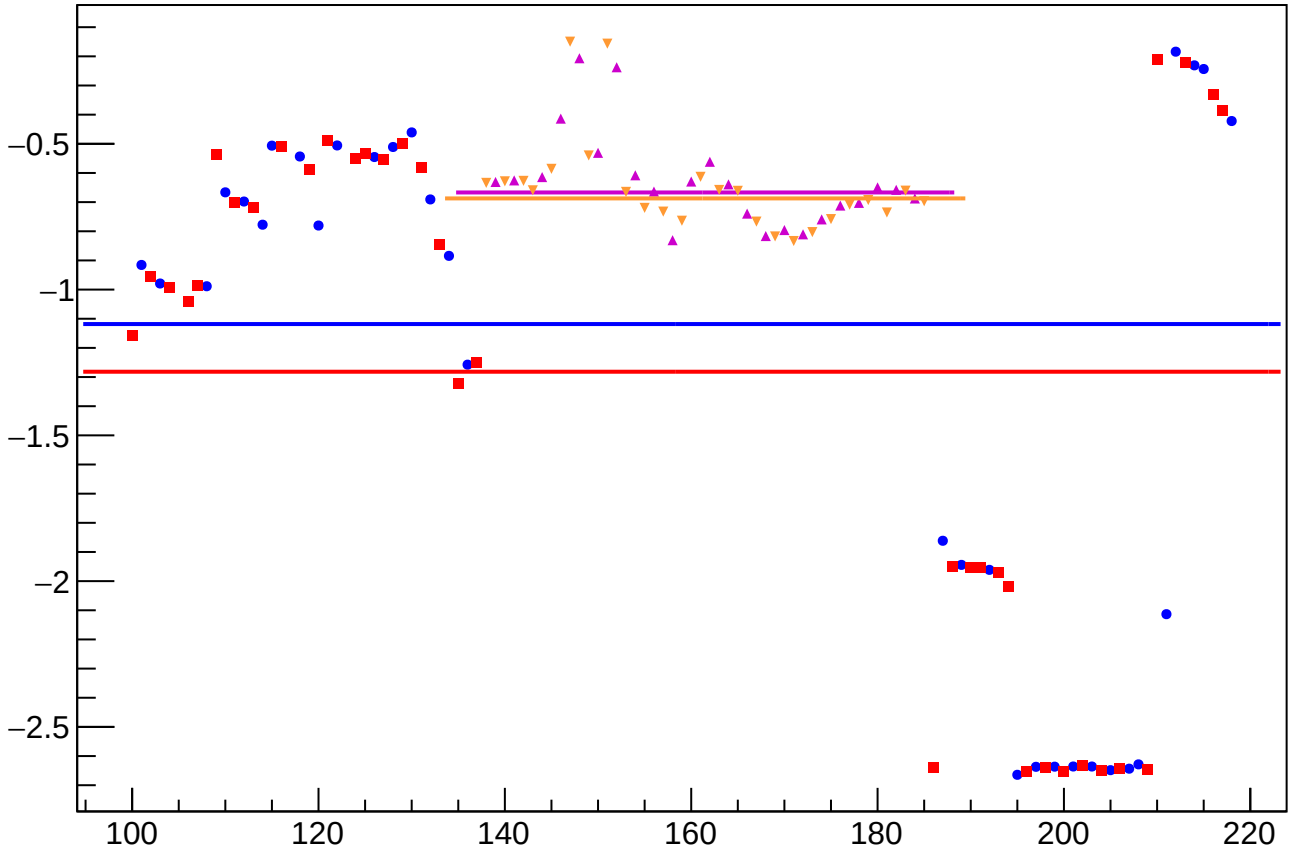
Right: 0.005+/-0.000 χ^2/NDF: 4286563.5/67

In: 0.005+/-0.000 χ^2/NDF:2472950.9/54

Out: 0.005+/-0.000 χ^2/NDF:2215132.3/60

All: 0.005+/-0.000 χ^2/NDF: 4690156.9/115

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: -1.282+/-0.000 χ^2/NDF: 745375161408.7/35

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

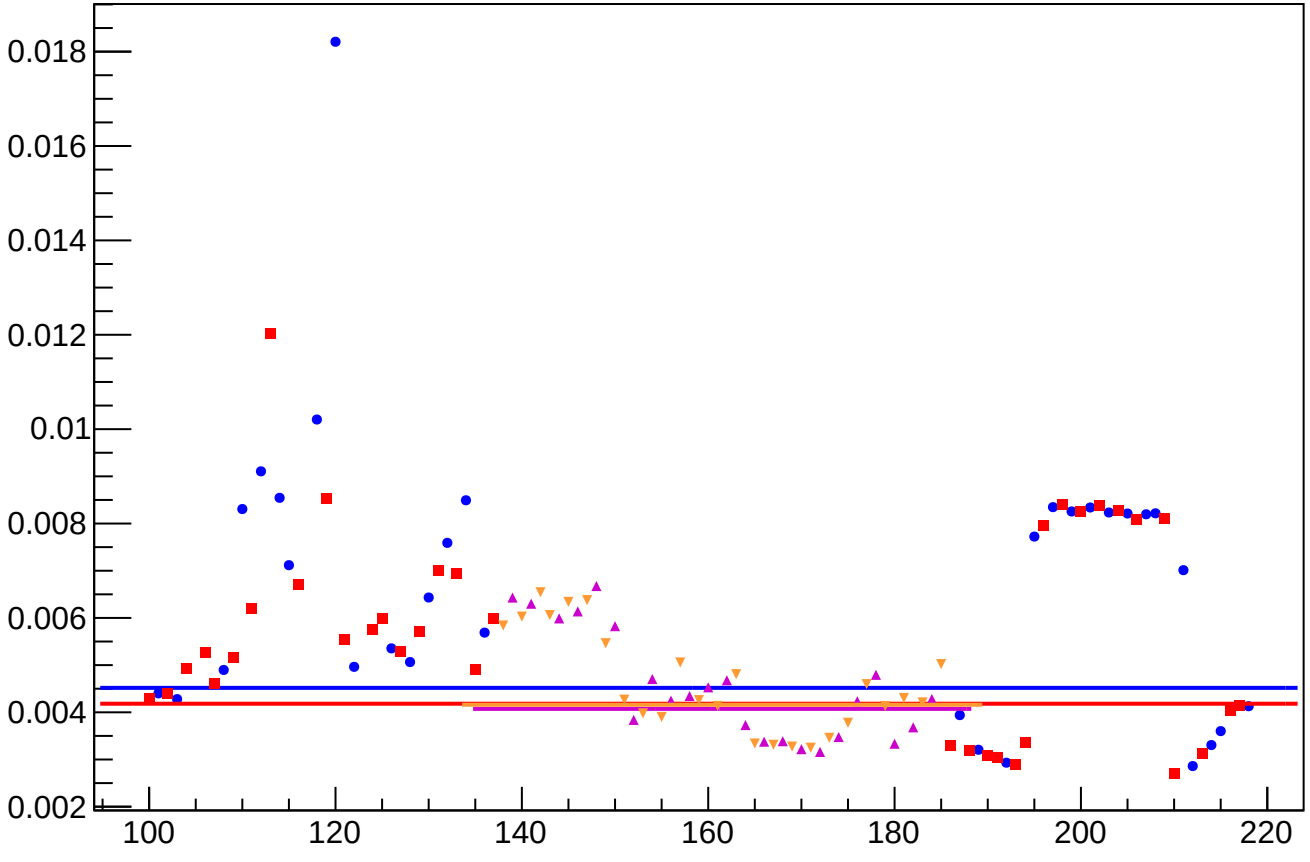
Right: -1.208+/-0.000 χ^2/NDF: 1383244329851.2/6

In: -0.869+/-0.000 χ^2/NDF:735976821379.8/54

Out: -0.980+/-0.000 χ^2/NDF:935462878696.8/60

All: -0.927+/-0.000 χ^2/NDF: 1682460578083

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: 5567168.7/35

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

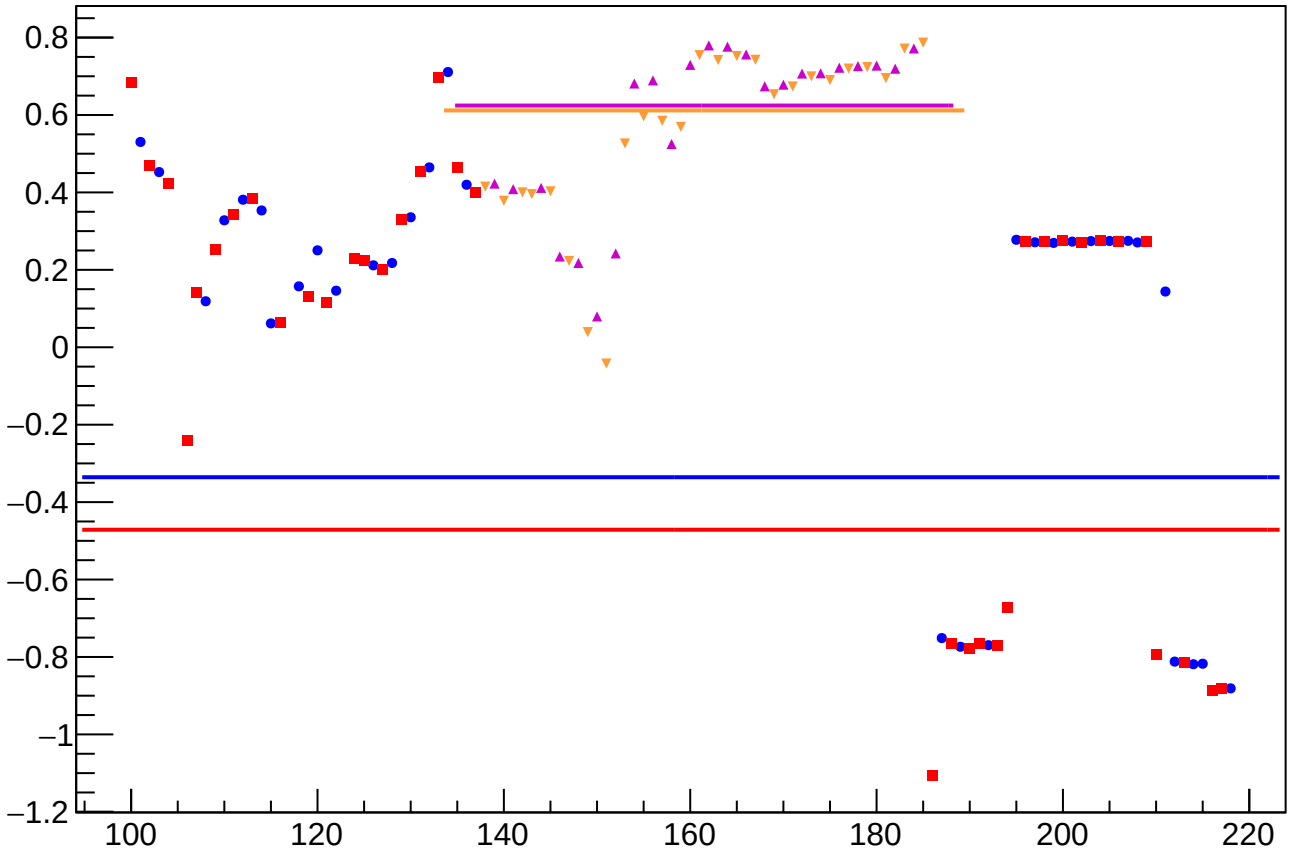
Right: 0.004+/-0.000 χ^2/NDF: 11530014.7/67

In: 0.004+/-0.000 χ^2/NDF:7786892.3/54

Out: 0.004+/-0.000 χ^2/NDF:7087665.8/60

All: 0.004+/-0.000 χ^2/NDF: 14893058.3/115

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: -0.471+/-0.000 χ^2/NDF: 629701030295.7/35

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

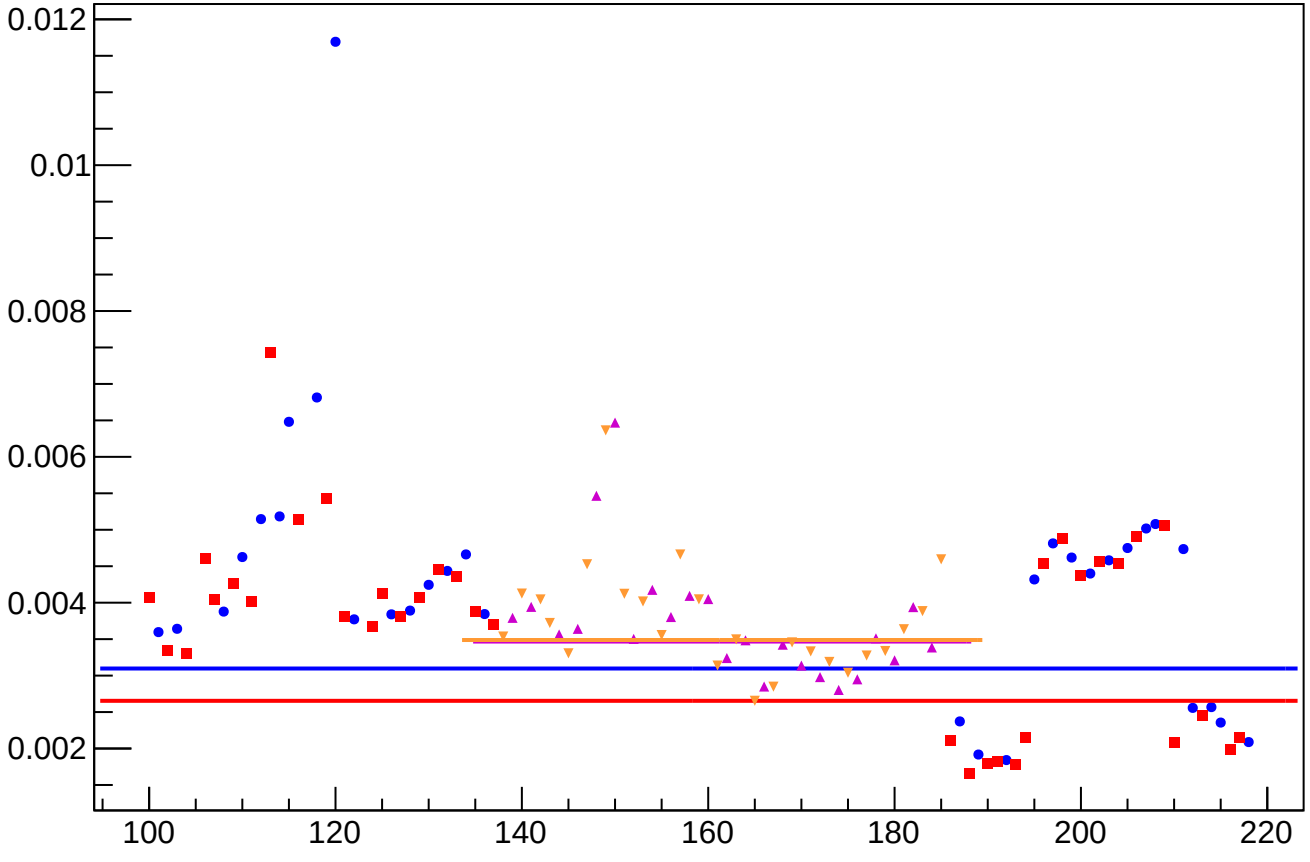
Right: -0.414+/-0.000 χ^2/NDF: 1179393454846.0/6

In: 0.076+/-0.000 χ^2/NDF:1239670356805.7/54

Out: -0.075+/-0.000 χ^2/NDF:1656566975461.0/60

All: -0.007+/-0.000 χ^2/NDF: 2933080746409

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: 5724410.6/35

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

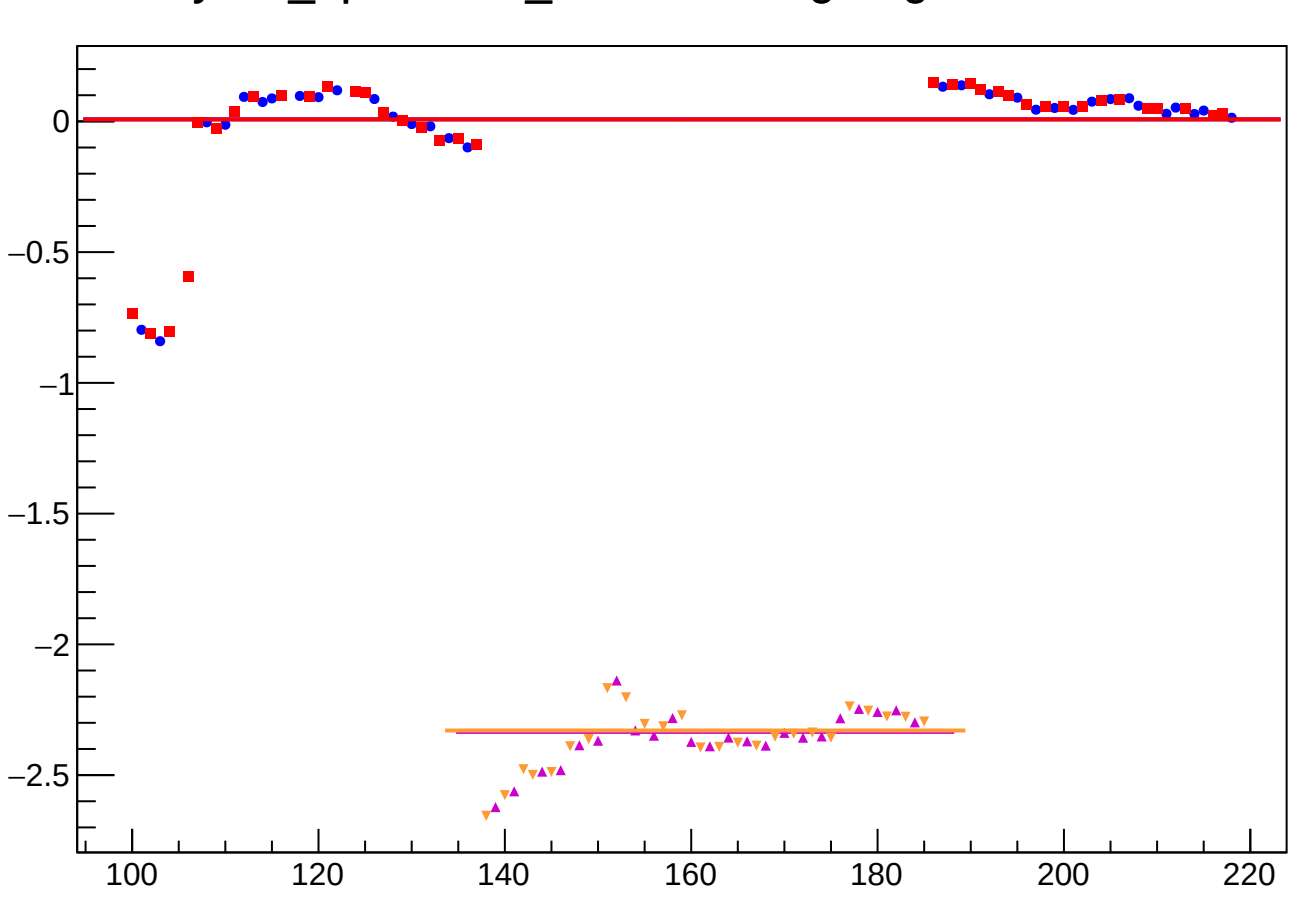
Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

Right: 0.003+/-0.000 χ^2/NDF: 10968972.2/67

In: 0.003+/-0.000 χ^2/NDF:5954936.6/54

Out: 0.003+/-0.000 χ^2/NDF:7738287.0/60

All: 0.003+/-0.000 χ^2/NDF: 13978542.3/115



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: 7840905089.5/35

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

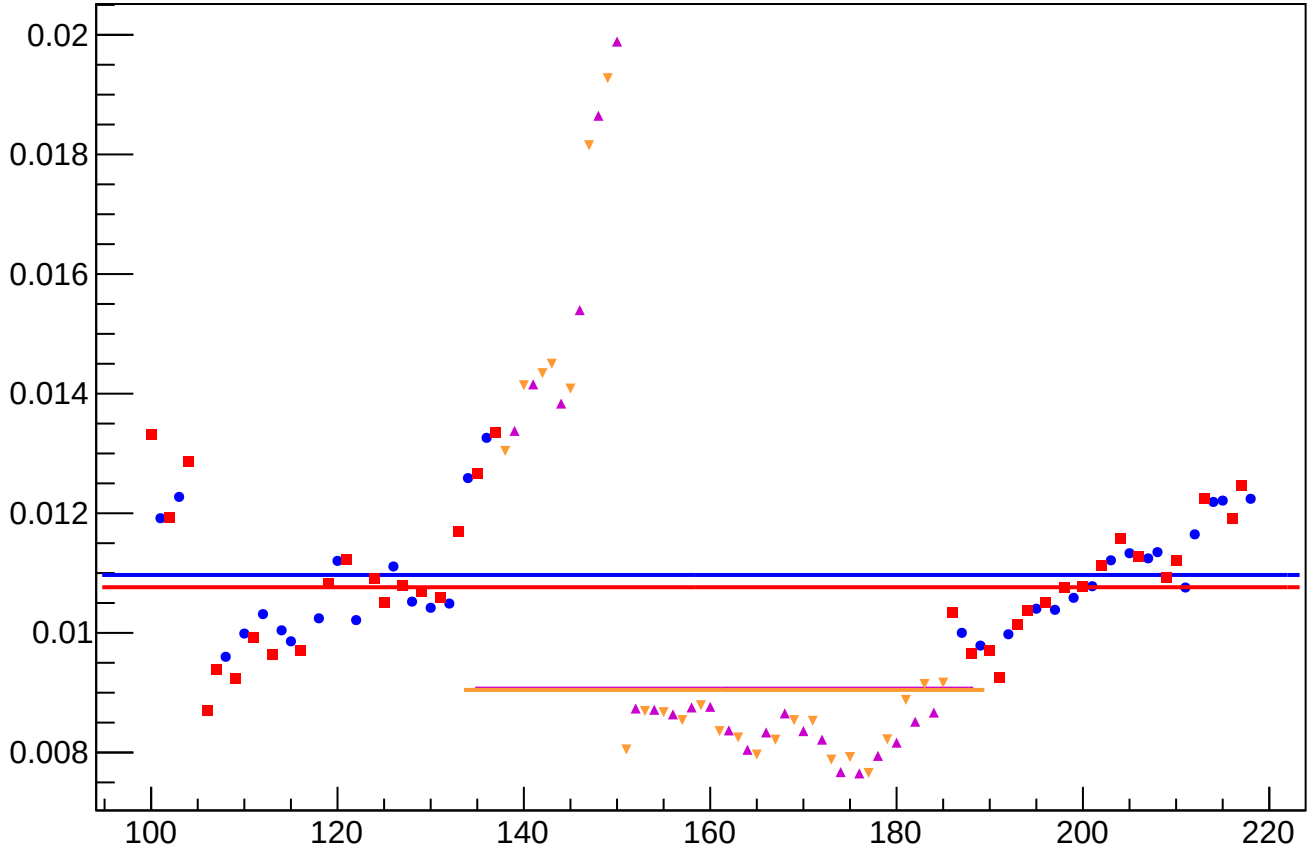
Right: 0.008+/-0.000 χ^2/NDF: 14417673451.0/67

In: -1.299+/-0.000 χ^2/NDF:514607188765.6/54

Out: -1.297+/-0.000 χ^2/NDF:545662752081.2/60

All: -1.298+/-0.000 χ^2/NDF: 1060270222383

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: 340752.8/35

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

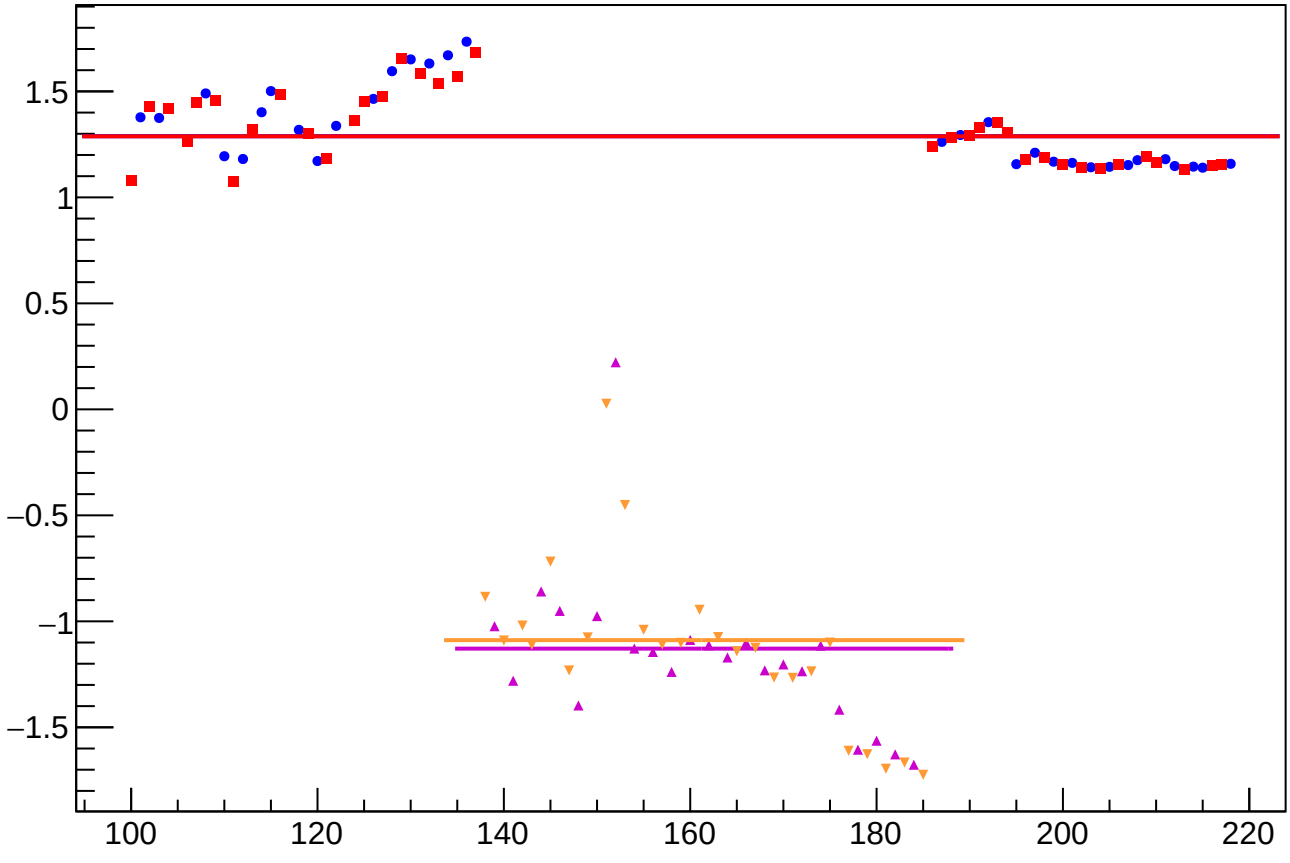
Right: 0.011+/-0.000 χ^2/NDF: 604013.7/67

In: 0.010+/-0.000 χ^2/NDF:3057129.0/54

Out: 0.010+/-0.000 χ^2/NDF:2967653.9/60

All: 0.010+/-0.000 χ^2/NDF: 6028942.9/115

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: 1.288+/-0.000 χ^2/NDF: 7550937535.8/35

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

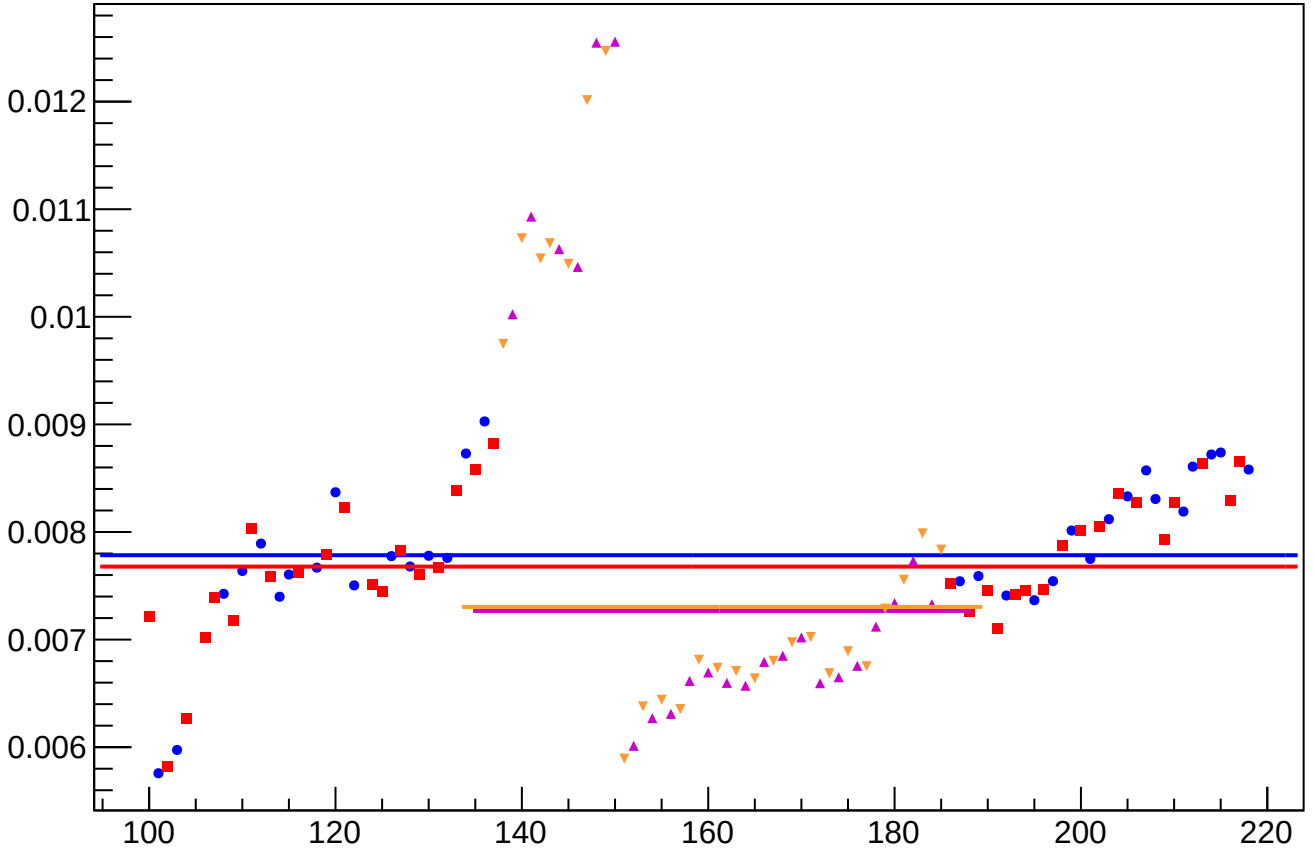
Right: 1.288+/-0.000 χ^2/NDF: 17260198987.3/67

In: 0.074+/-0.000 χ^2/NDF:1030382993066.7/54

Out: 0.099+/-0.000 χ^2/NDF:1047071499774.5/60

All: 0.087+/-0.000 χ^2/NDF: 2077677738675.

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: 336119.4/35

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

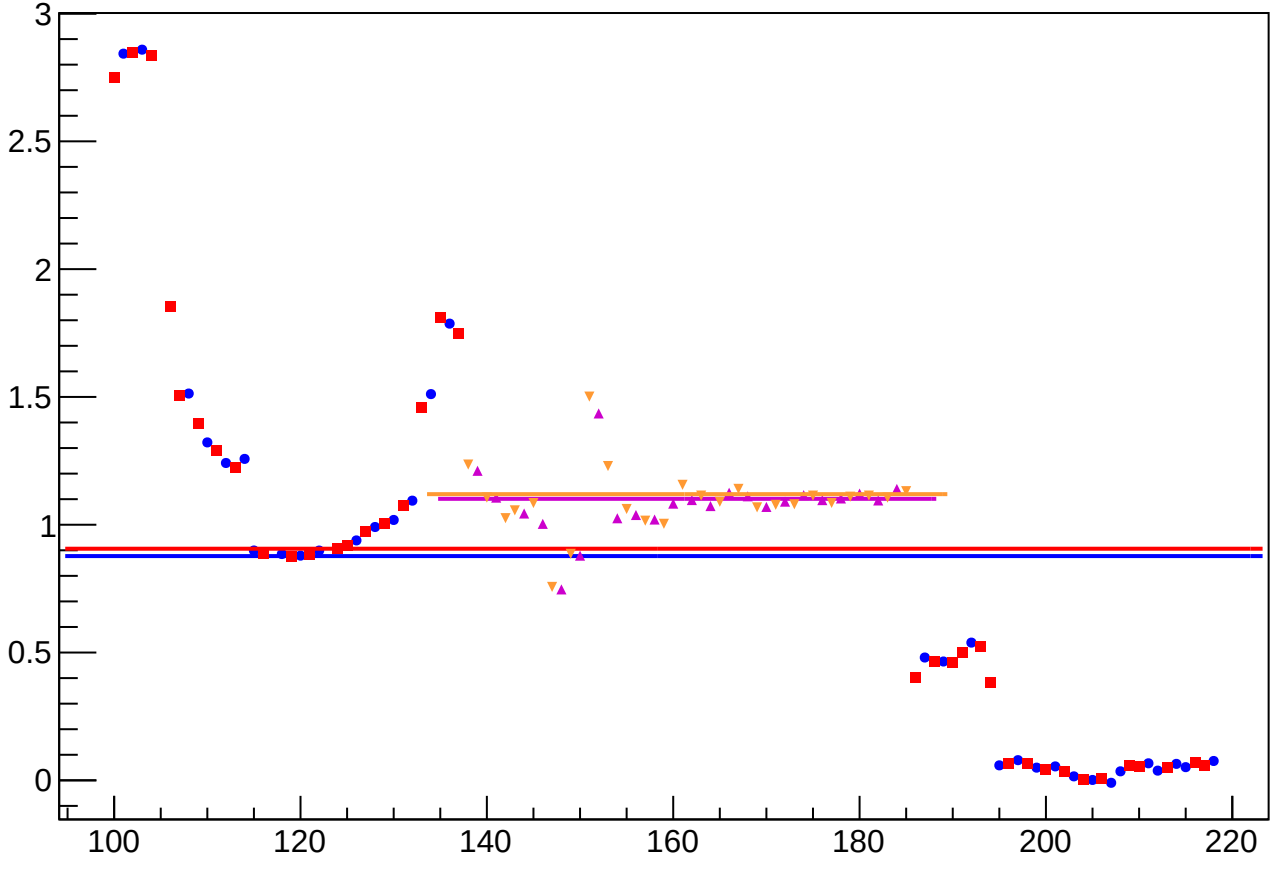
Right: 0.008+/-0.000 χ^2/NDF: 784311.2/67

In: 0.008+/-0.000 χ^2/NDF:2092833.6/54

Out: 0.007+/-0.000 χ^2/NDF:1888920.6/60

All: 0.008+/-0.000 χ^2/NDF: 3982486.3/115

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: 0.906+/-0.000 χ^2/NDF: 155136400426.5/35

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

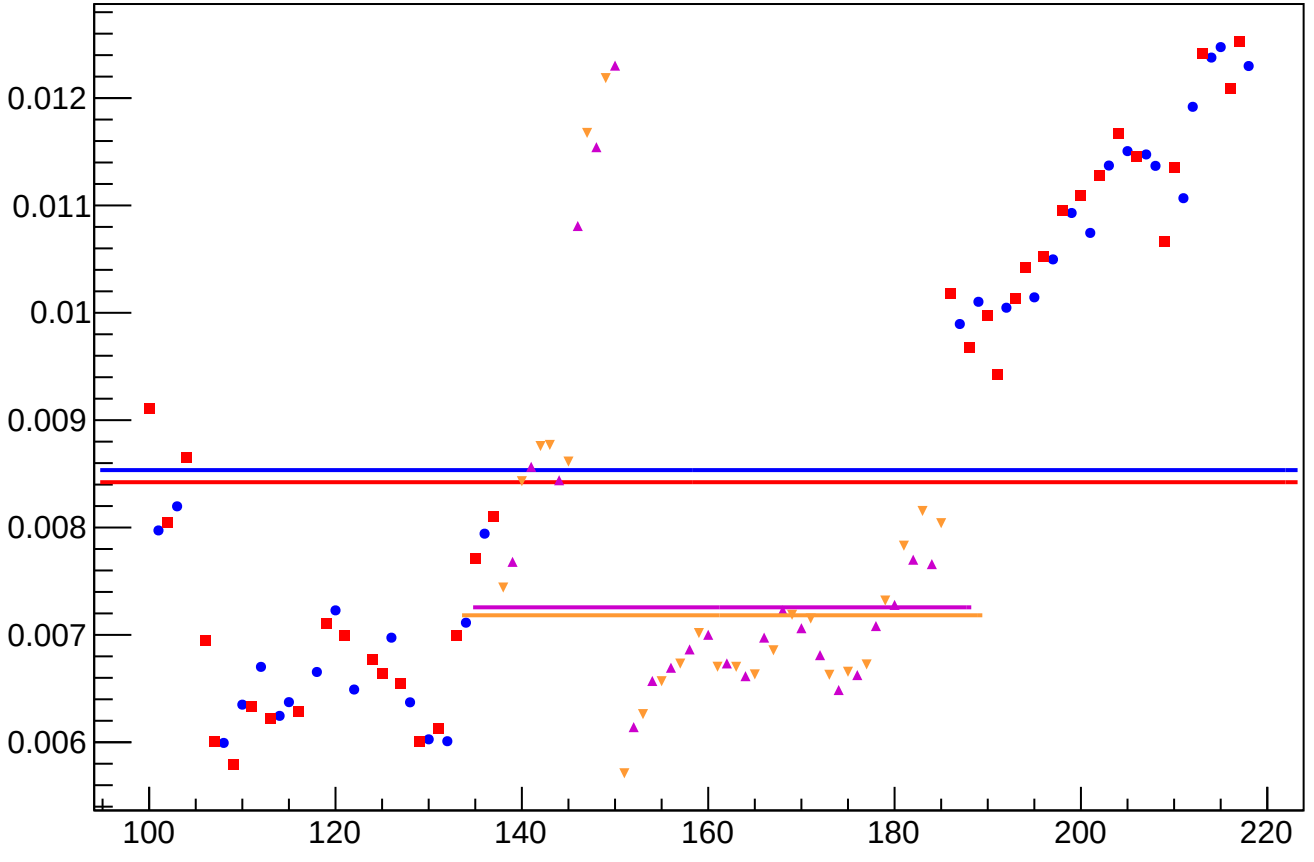
Right: 0.892+/-0.000 χ^2/NDF: 316479993120.4/67

In: 1.004+/-0.000 χ^2/NDF:172714051900.3/54

Out: 1.028+/-0.000 χ^2/NDF:167679027840.4/60

All: 1.016+/-0.000 χ^2/NDF: 340568465166.2

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: 0.008+/-0.000 χ^2/NDF: 2649831.4/35

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

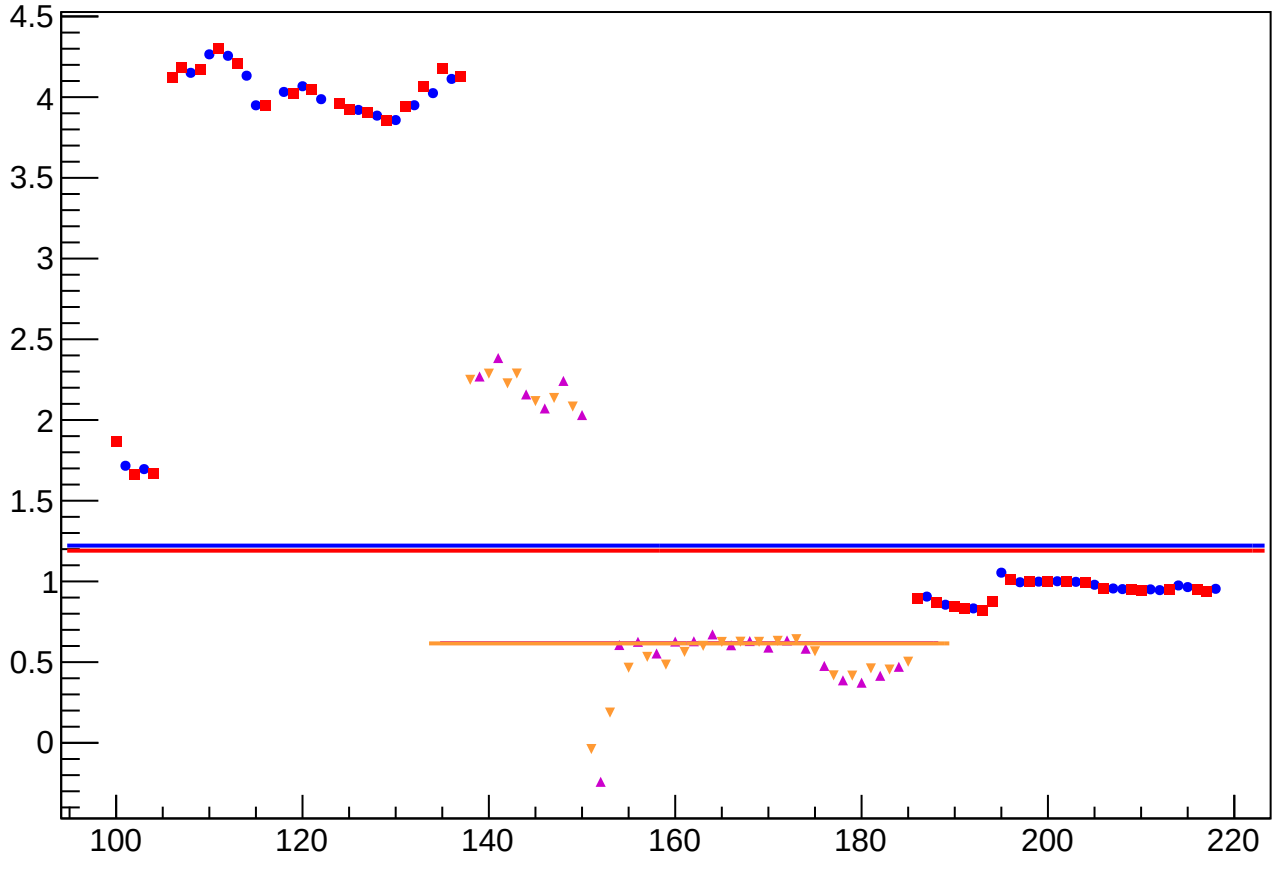
Right: 0.008+/-0.000 χ^2/NDF: 5266557.7/67

In: 0.008+/-0.000 χ^2/NDF:4004157.3/54

Out: 0.008+/-0.000 χ^2/NDF:4017613.3/60

All: 0.008+/-0.000 χ^2/NDF: 8027552.4/115

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: 1.191+/-0.000 χ^2/NDF: 1805427257250.6/35

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

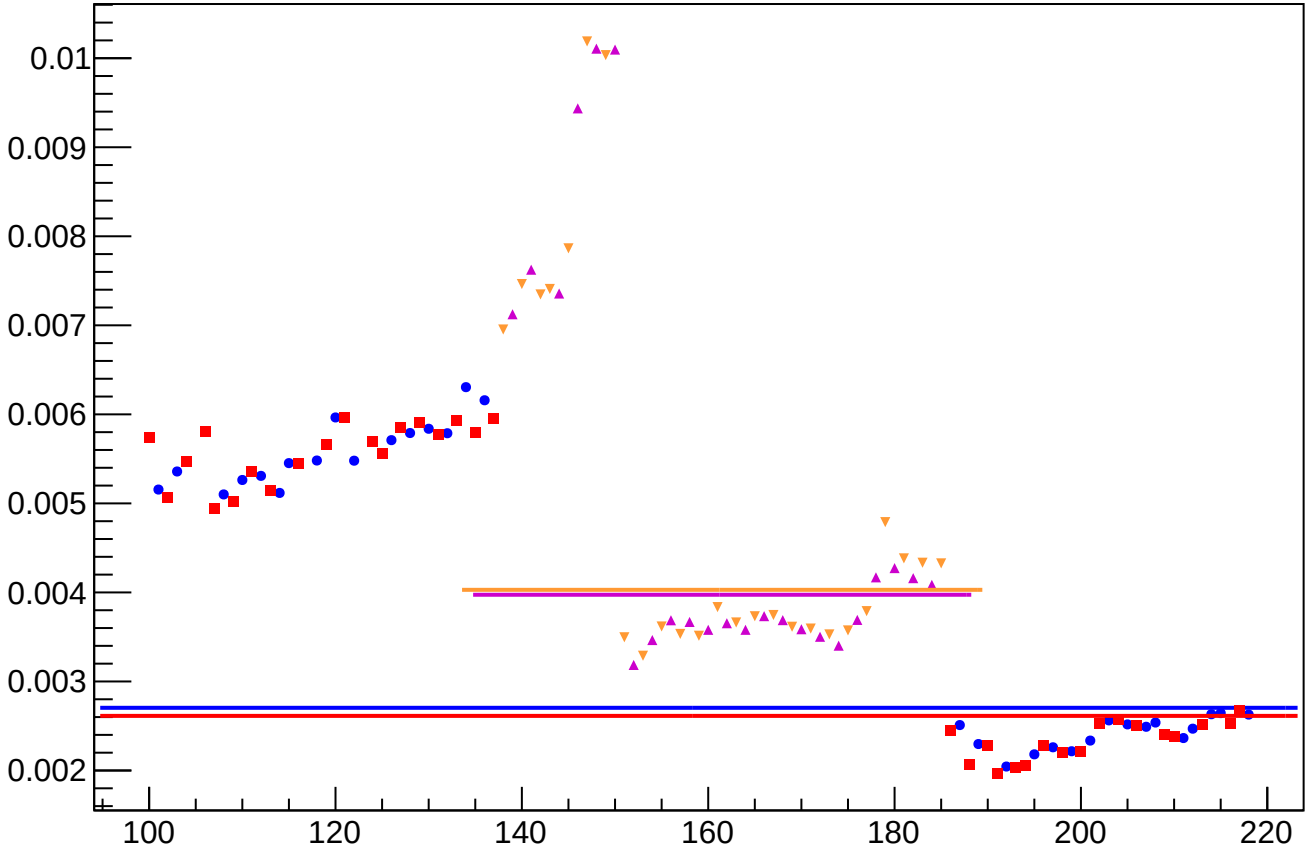
Right: 1.206+/-0.000 χ^2/NDF: 3453488712069.6/67

In: 1.037+/-0.000 χ^2/NDF:2160456385811.9/54

Out: 1.021+/-0.000 χ^2/NDF:2303254285285.5/60

All: 1.029+/-0.000 χ^2/NDF: 4464118361706.

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: 4715235.5/35

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

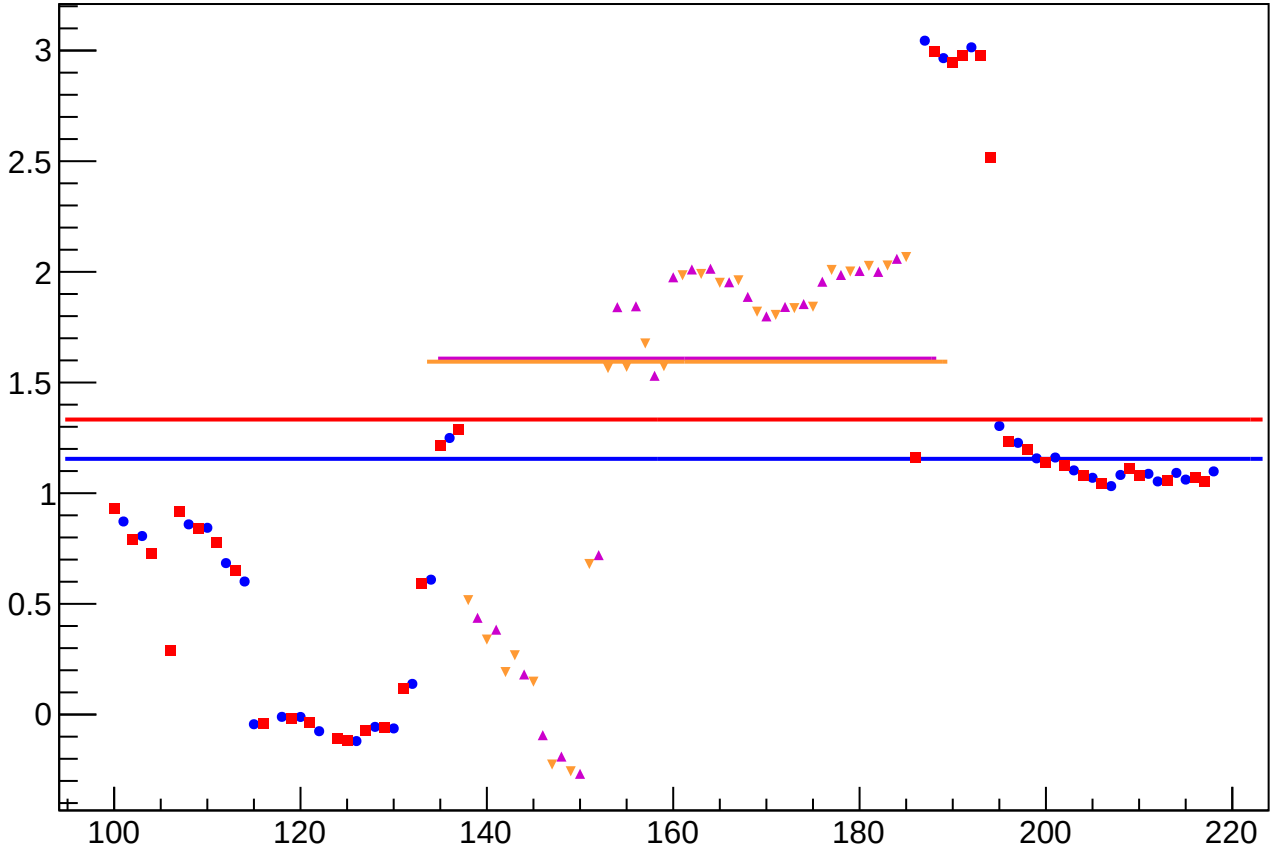
Right: 0.003+/-0.000 χ^2/NDF: 9162689.7/67

In: 0.003+/-0.000 χ^2/NDF:9844182.6/54

Out: 0.003+/-0.000 χ^2/NDF:10667101.7/60

All: 0.003+/-0.000 χ^2/NDF: 20525150.3/115

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: 1.333+/-0.000 χ^2/NDF: 107520823423.8/35

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

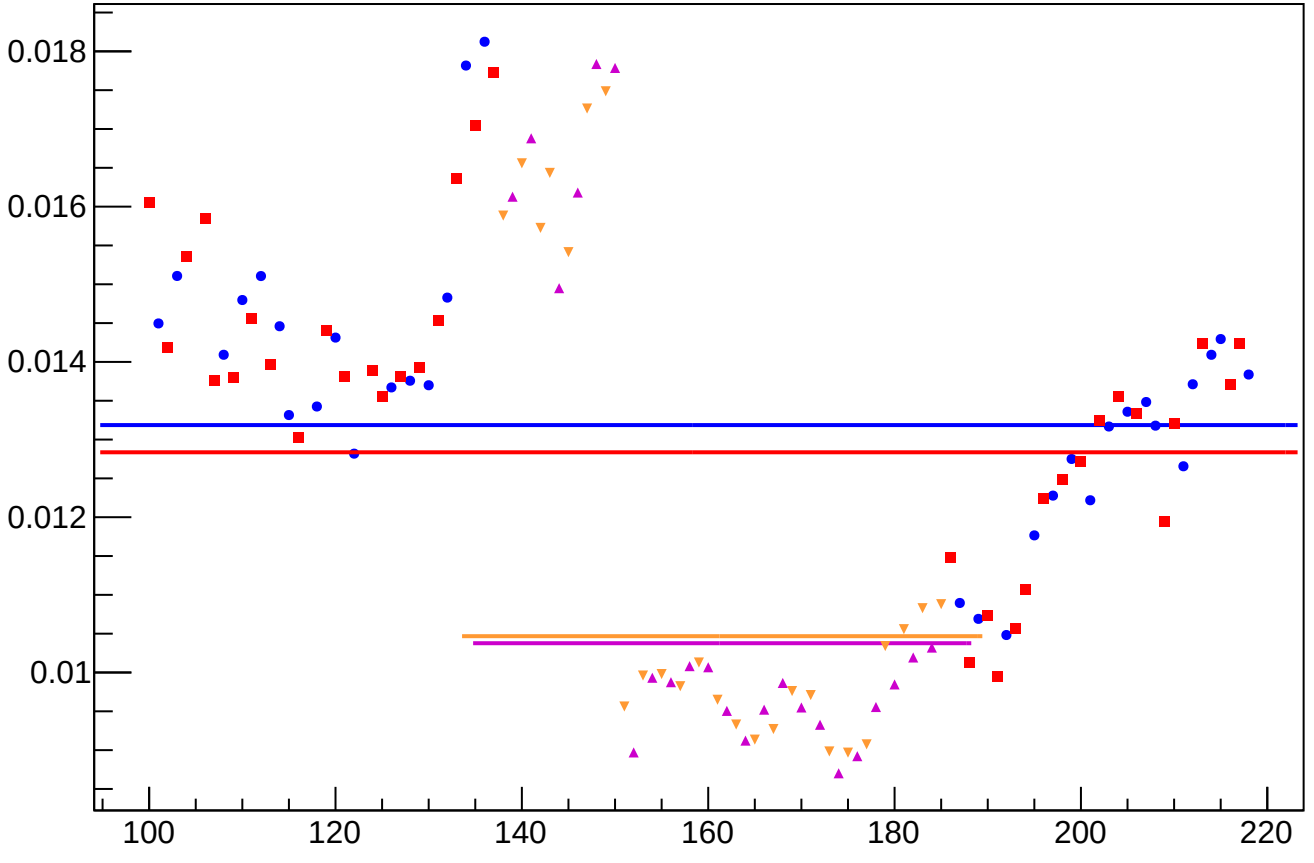
Right: 1.247+/-0.000 χ^2/NDF: 187295574136.8/67

In: 1.421+/-0.000 χ^2/NDF:157940866055.6/54

Out: 1.484+/-0.000 χ^2/NDF:174951610185.1/60

All: 1.453+/-0.000 χ^2/NDF: 333454215517.5

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: 659624.4/35

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

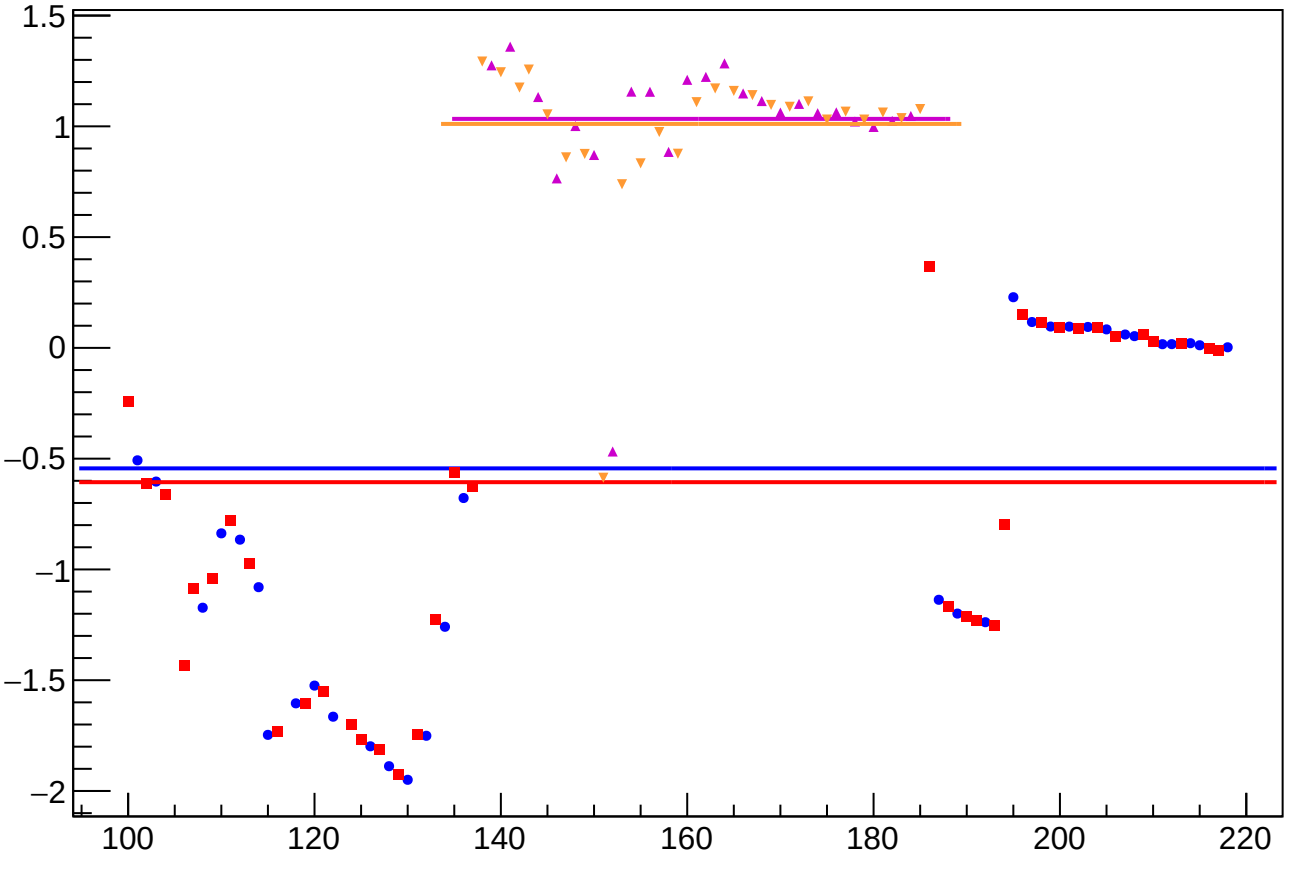
Right: 0.013+/-0.000 χ^2/NDF: 1209807.5/67

In: 0.012+/-0.000 χ^2/NDF:3294157.2/54

Out: 0.011+/-0.000 χ^2/NDF:3108947.7/60

All: 0.012+/-0.000 χ^2/NDF: 6404609.7/115

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: -0.606+/-0.000 χ^2/NDF: 205573831767.0/35

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

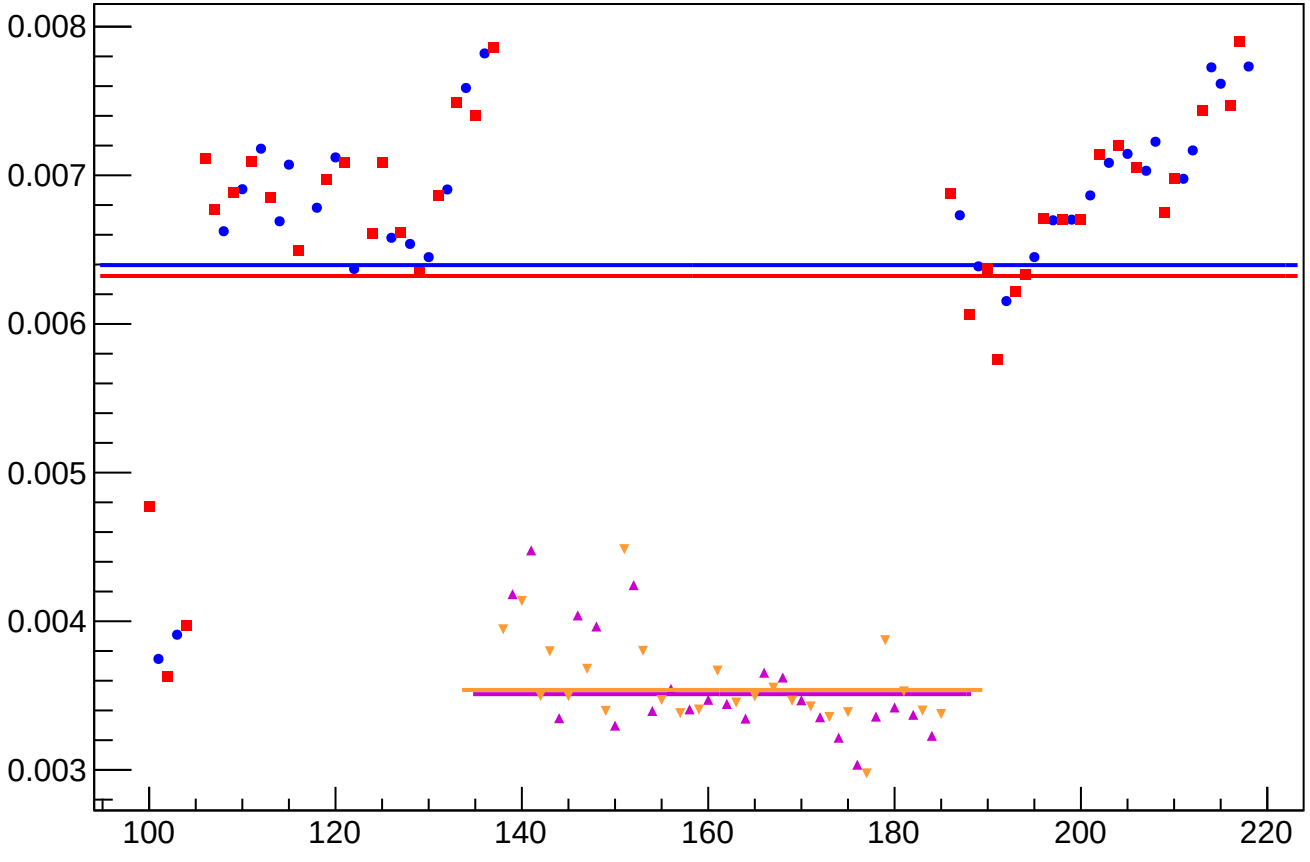
Right: -0.576+/-0.000 χ^2/NDF: 424678558286.4/67

In: 0.635+/-0.000 χ^2/NDF:1188799141742.9/54

Out: 0.603+/-0.000 χ^2/NDF:1244667591837.5/60

All: 0.619+/-0.000 χ^2/NDF: 2434462276822.

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: 1406956.4/35

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

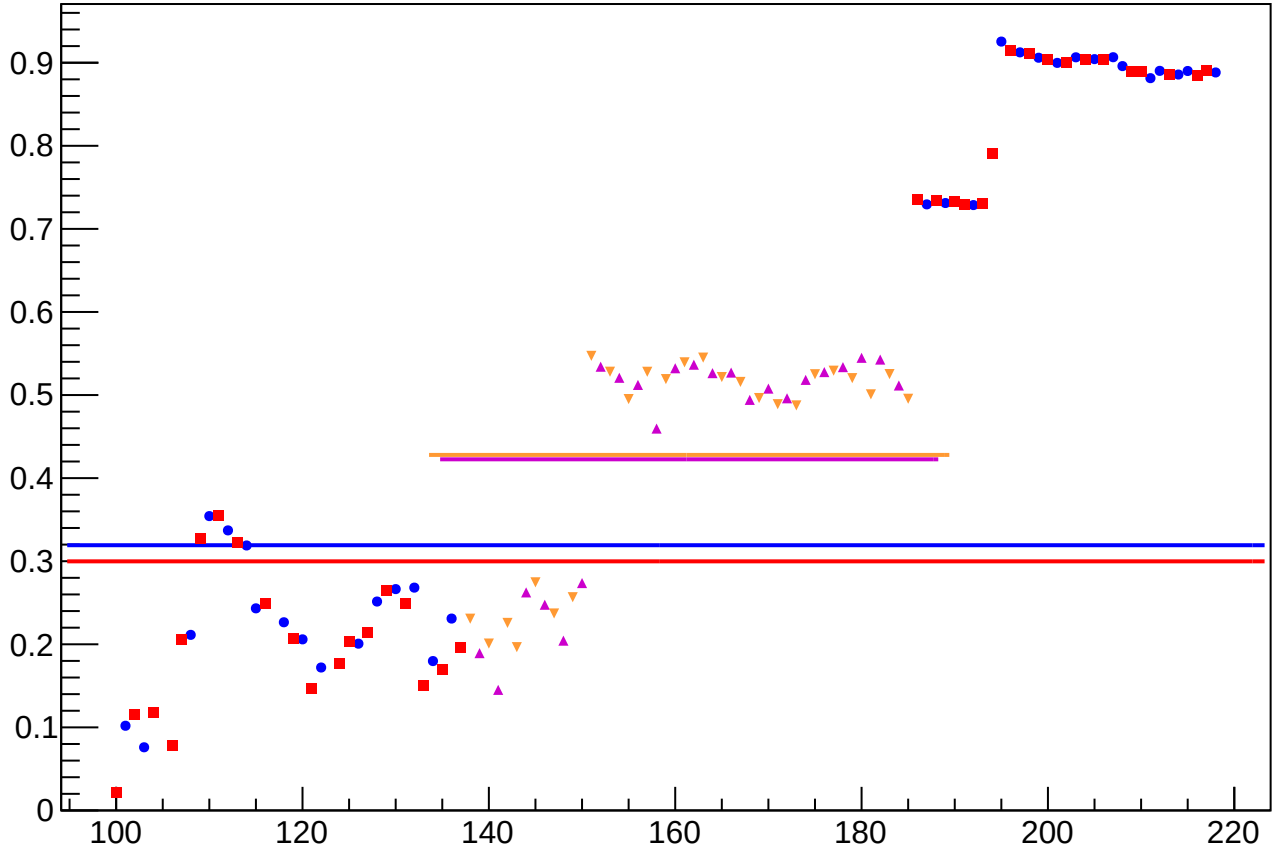
Right: 0.006+/-0.000 χ^2/NDF: 2826165.6/67

In: 0.004+/-0.000 χ^2/NDF:7360901.3/54

Out: 0.004+/-0.000 χ^2/NDF:7126969.7/60

All: 0.004+/-0.000 χ^2/NDF: 14487887.4/115

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: 0.300+/-0.000 χ^2/NDF: 258587703437.1/35

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

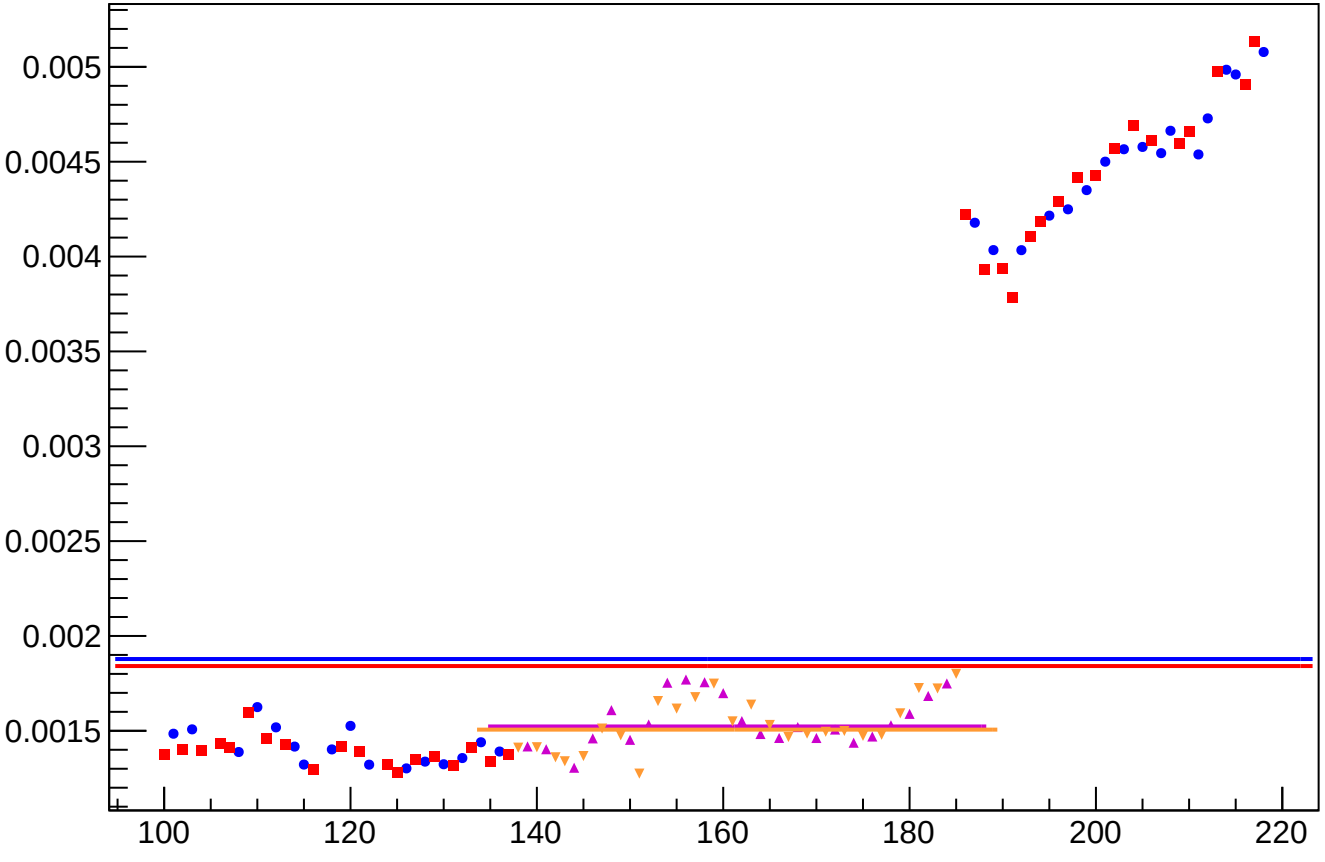
Right: 0.309+/-0.000 χ^2/NDF: 507390182506.5/67

In: 0.387+/-0.000 χ^2/NDF:434960262470.3/54

Out: 0.384+/-0.000 χ^2/NDF:460165234037.8/60

All: 0.385+/-0.000 χ^2/NDF: 895184774322.1

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: 10634677.5/35

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

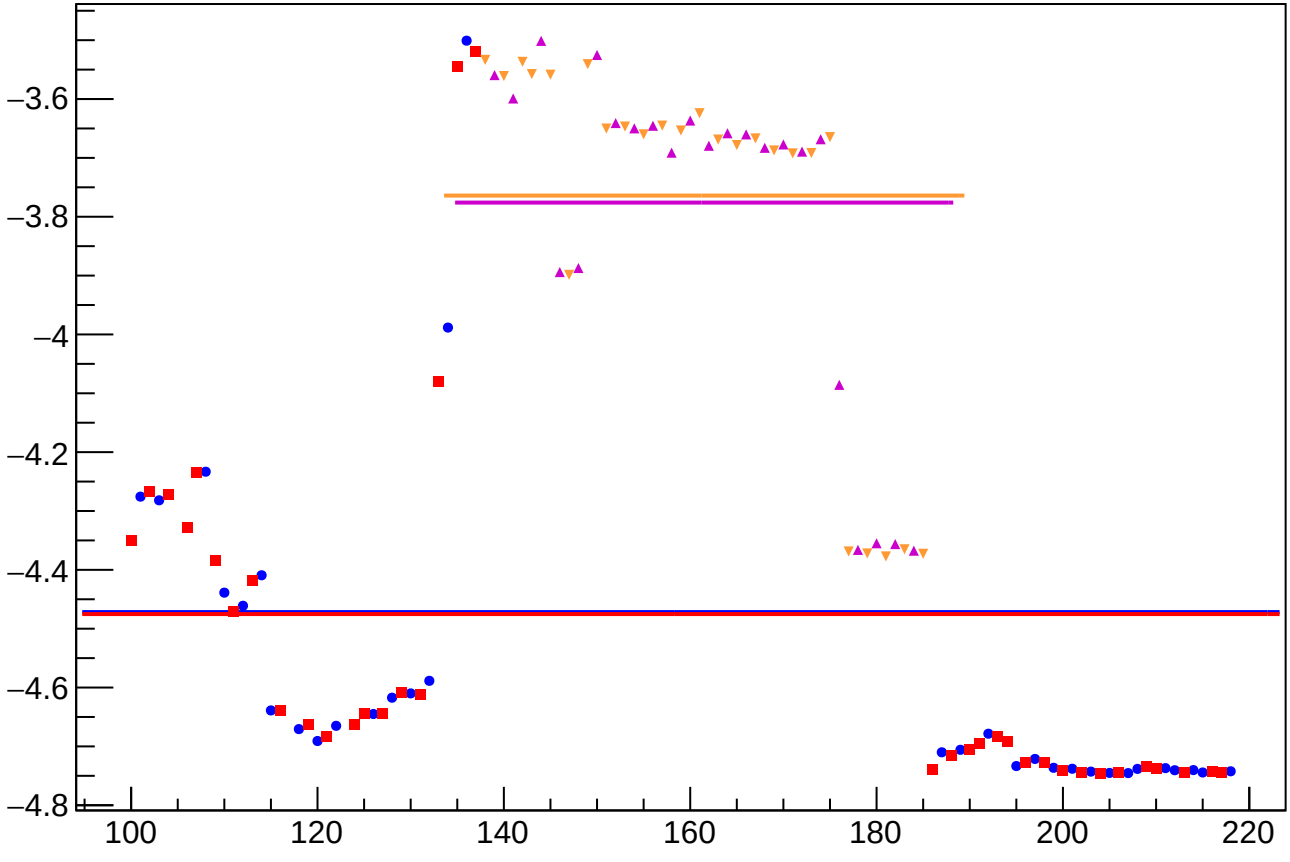
Right: 0.002+/-0.000 χ^2/NDF: 21062717.4/67

In: 0.002+/-0.000 χ^2/NDF:11339013.1/54

Out: 0.002+/-0.000 χ^2/NDF:11567428.4/60

All: 0.002+/-0.000 χ^2/NDF: 22913737.7/115

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: -4.475+/-0.000 χ^2/NDF: 400083413171.4/35

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

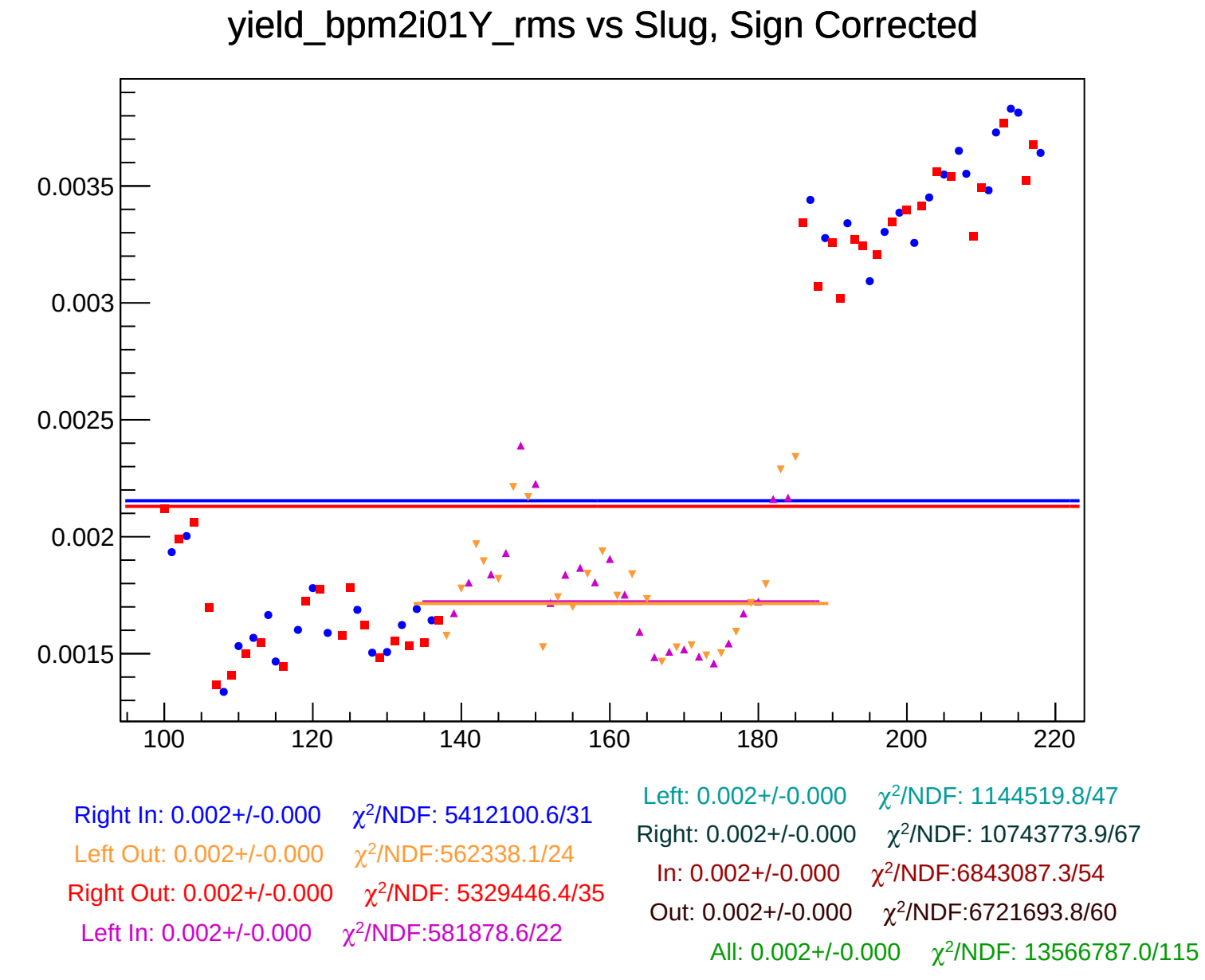
Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

Right: -4.474+/-0.000 χ^2/NDF: 854188976918.3/67

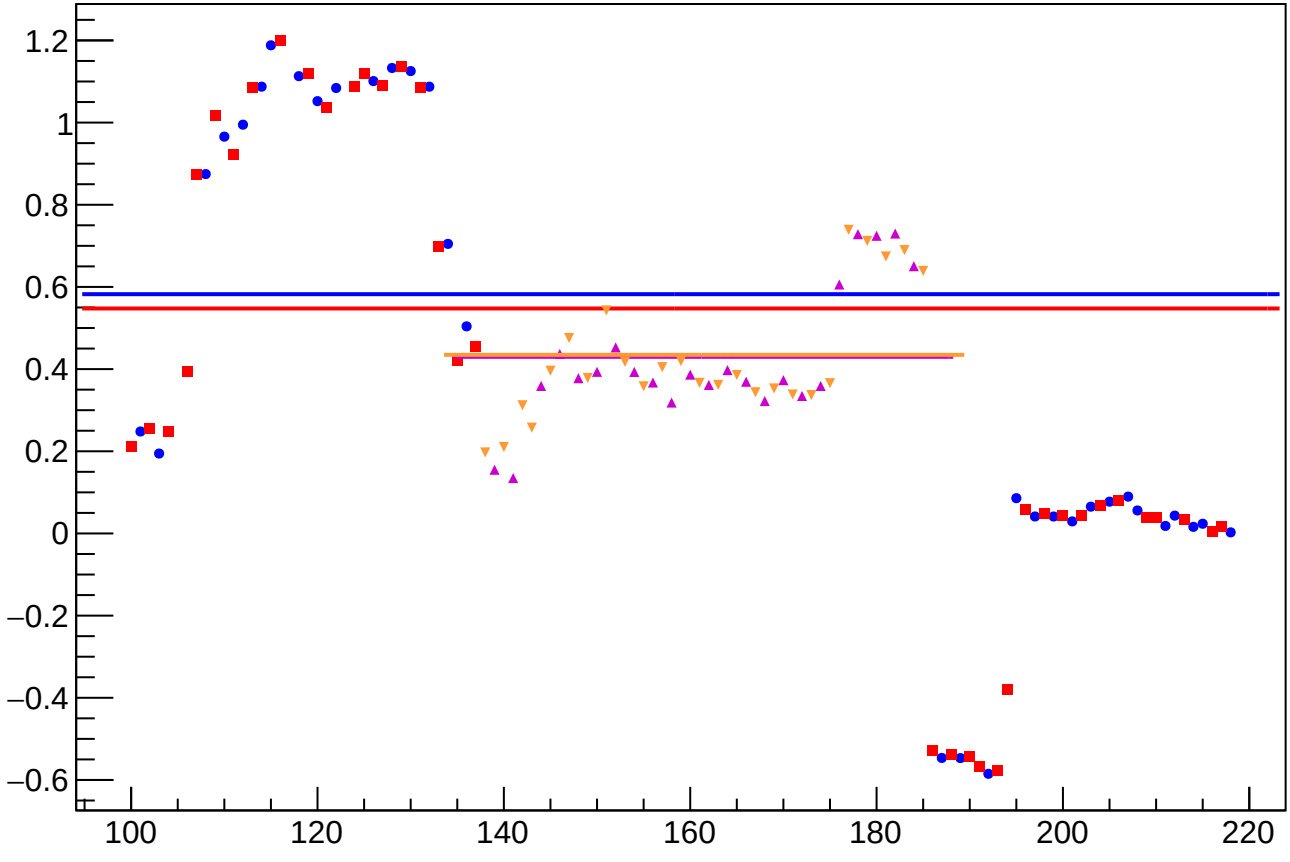
In: -4.042+/-0.000 χ^2/NDF:1955856483721.7/54

Out: -4.035+/-0.000 χ^2/NDF:2100493809315.2/60

All: -4.039+/-0.000 χ^2/NDF: 4056600117708


yield_bpm2i01Y_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 5412100.6/31
Left Out: 0.002+/-0.000 χ²/NDF:562338.1/24
Right Out: 0.002+/-0.000 χ²/NDF: 5329446.4/35
Left In: 0.002+/-0.000 χ²/NDF:581878.6/22
Left: 0.002+/-0.000 χ²/NDF: 1144519.8/47
Right: 0.002+/-0.000 χ²/NDF: 10743773.9/67
In: 0.002+/-0.000 χ²/NDF:6843087.3/54
Out: 0.002+/-0.000 χ²/NDF:6721693.8/60
All: 0.002+/-0.000 χ²/NDF: 13566787.0/115

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: 0.548+/-0.000 χ^2/NDF: 94684996354.4/35

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

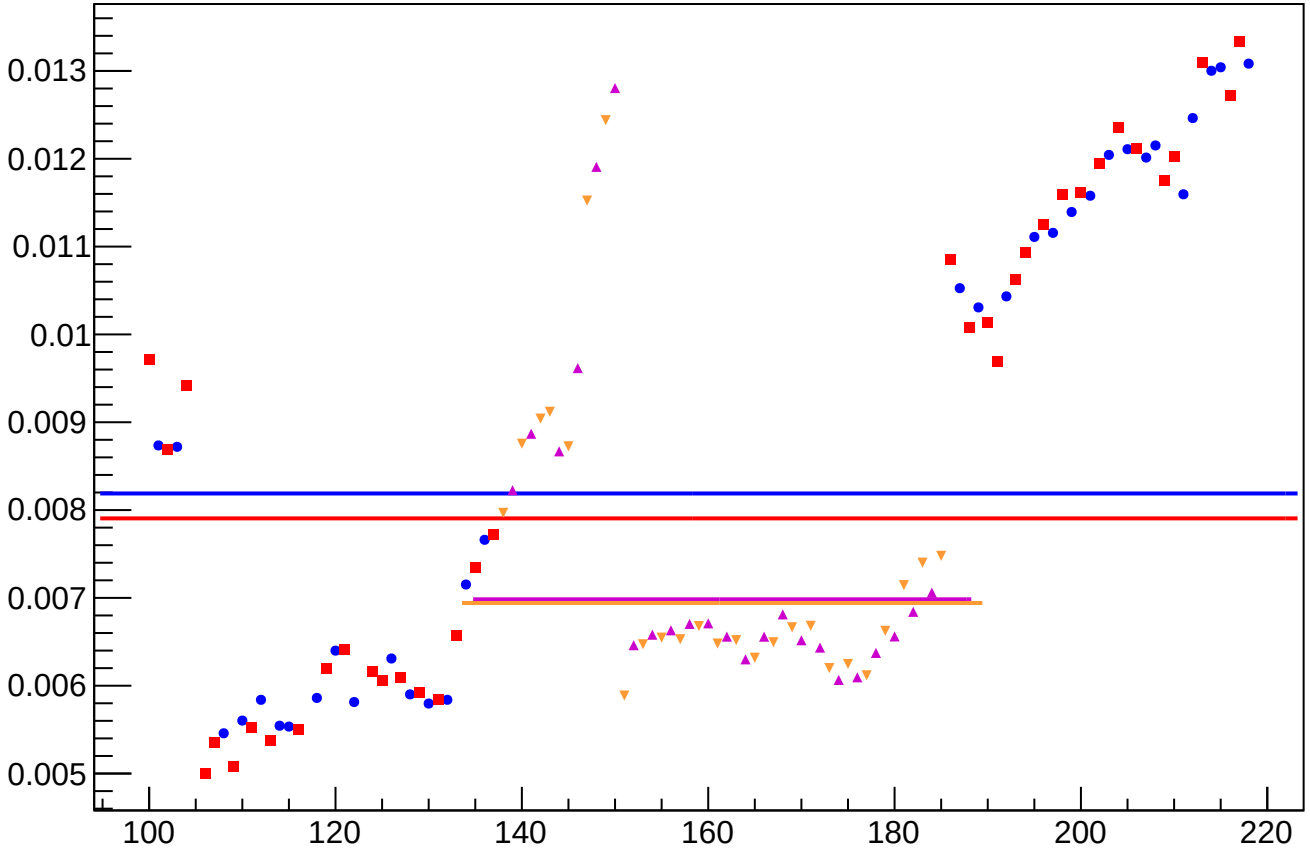
Right: 0.564+/-0.000 χ^2/NDF: 172327677567.8/67

In: 0.495+/-0.000 χ^2/NDF:90099722153.7/54

Out: 0.483+/-0.000 χ^2/NDF:105323056571.4/60

All: 0.489+/-0.000 χ^2/NDF: 195466621269.2

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: 4471101.4/35

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

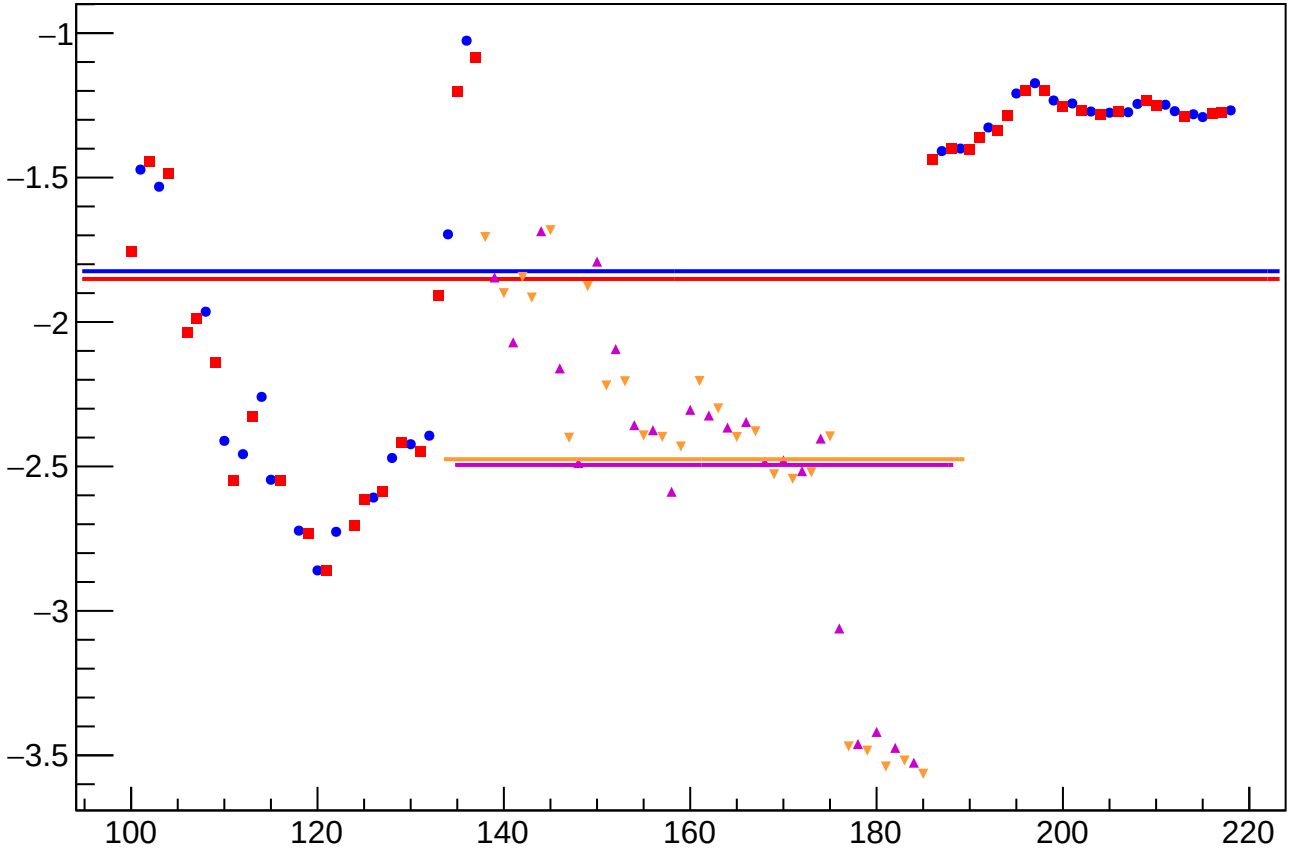
Right: 0.008+/-0.000 χ^2/NDF: 8527756.1/67

In: 0.007+/-0.000 χ^2/NDF:5618678.9/54

Out: 0.007+/-0.000 χ^2/NDF:5871802.6/60

All: 0.007+/-0.000 χ^2/NDF: 11503455.1/115

yield_bpm2i02Y_mean vs Slug, Sign Corrected



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: -1.851+/-0.000 χ^2/NDF: 120242577521.4/35

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

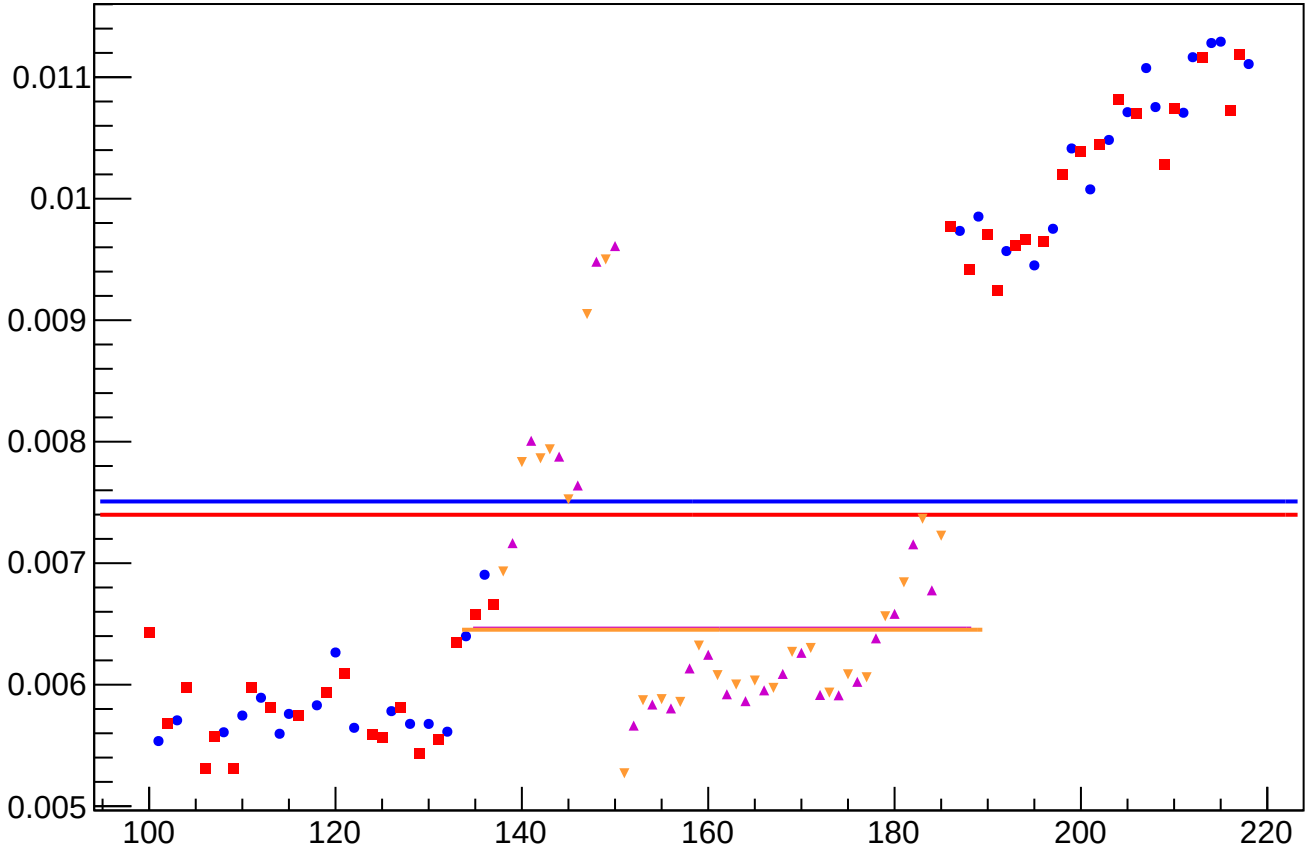
Right: -1.838+/-0.000 χ^2/NDF: 243663938188.2/67

In: -2.205+/-0.000 χ^2/NDF:303631015116.5/54

Out: -2.205+/-0.000 χ^2/NDF:319818152009.0/60

All: -2.205+/-0.000 χ^2/NDF: 623449201347.8

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: 3296693.7/35

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

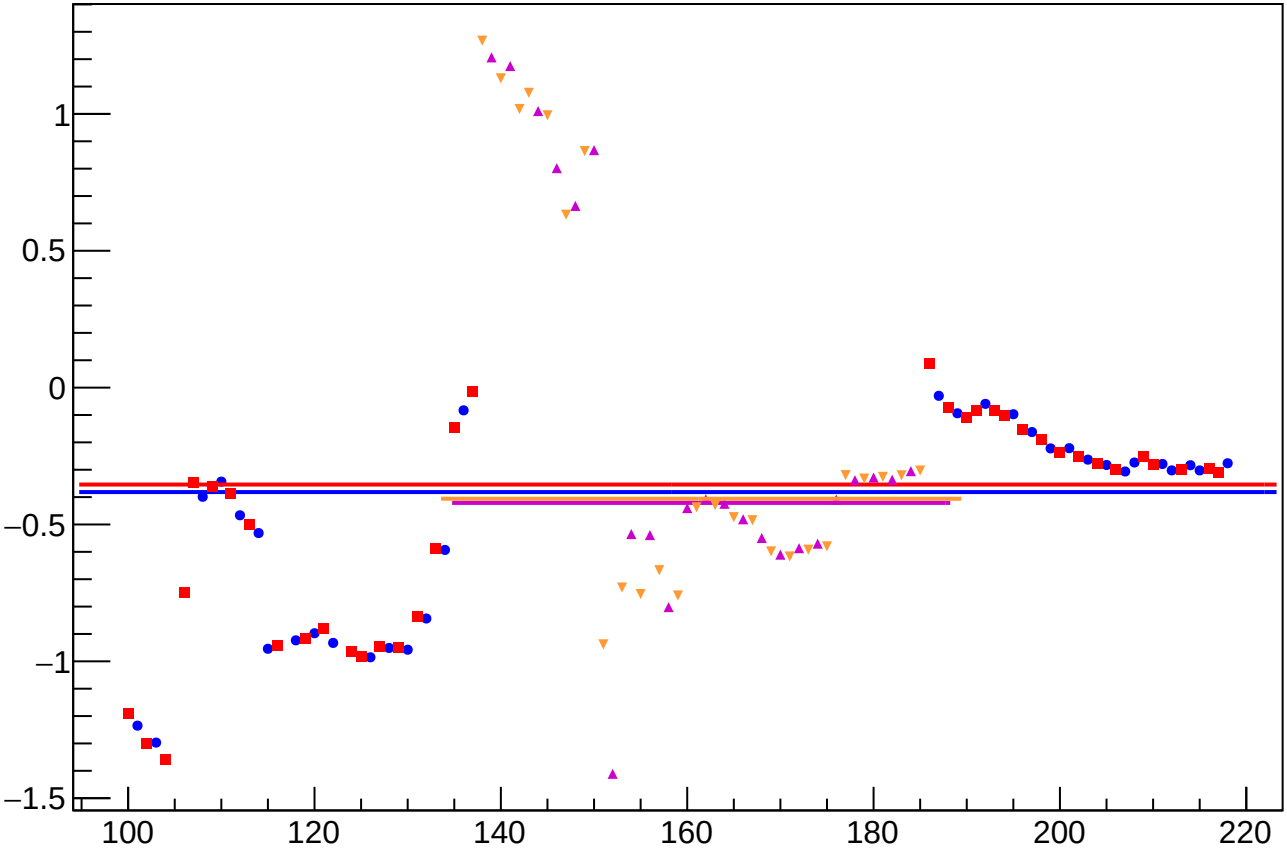
Right: 0.007+/-0.000 χ^2/NDF: 6631551.7/67

In: 0.007+/-0.000 χ^2/NDF:4458457.0/54

Out: 0.007+/-0.000 χ^2/NDF:4362269.7/60

All: 0.007+/-0.000 χ^2/NDF: 8822867.0/115

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: -0.354+/-0.000 χ^2/NDF: 27363591306.1/35

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

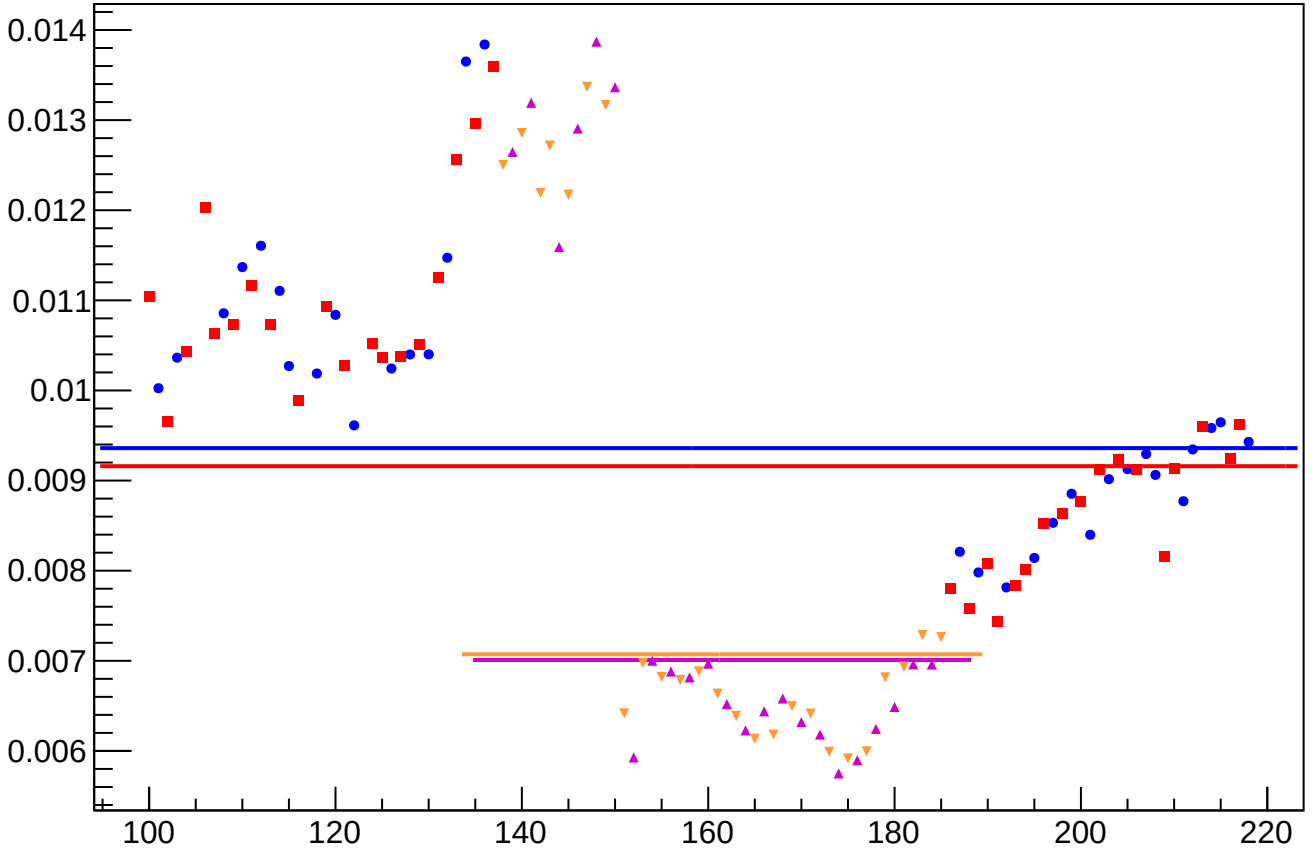
Right: -0.367+/-0.000 χ^2/NDF: 52227441916.8/67

In: -0.406+/-0.000 χ^2/NDF:115229863493.3/54

Out: -0.385+/-0.000 χ^2/NDF:109379160195.9/60

All: -0.395+/-0.000 χ^2/NDF: 224728392857.8

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: 708370.2/35

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

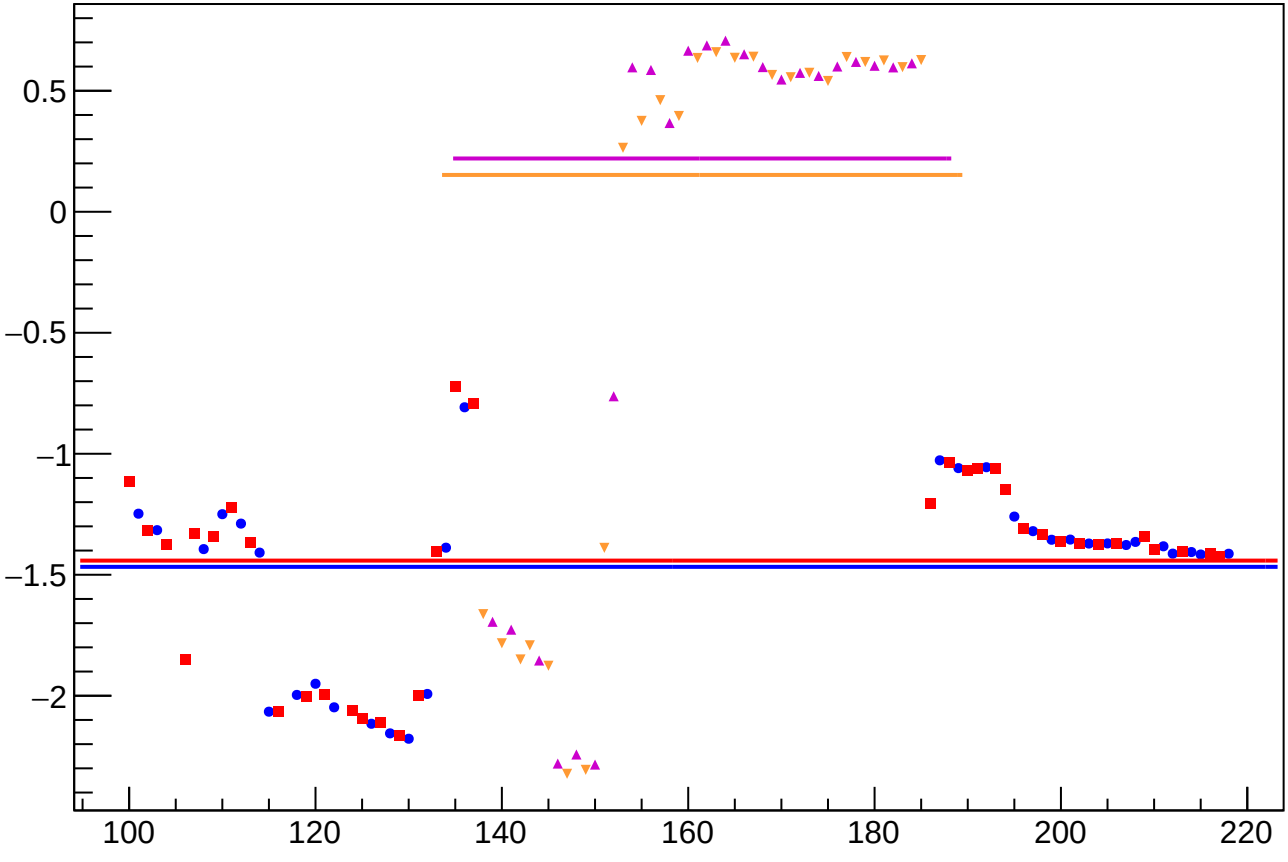
Right: 0.009+/-0.000 χ^2/NDF: 1356240.5/67

In: 0.008+/-0.000 χ^2/NDF:4585075.8/54

Out: 0.008+/-0.000 χ^2/NDF:4331988.0/60

All: 0.008+/-0.000 χ^2/NDF: 8917576.9/115

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: -1.442+/-0.000 χ^2/NDF: 172713261633.2/35

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

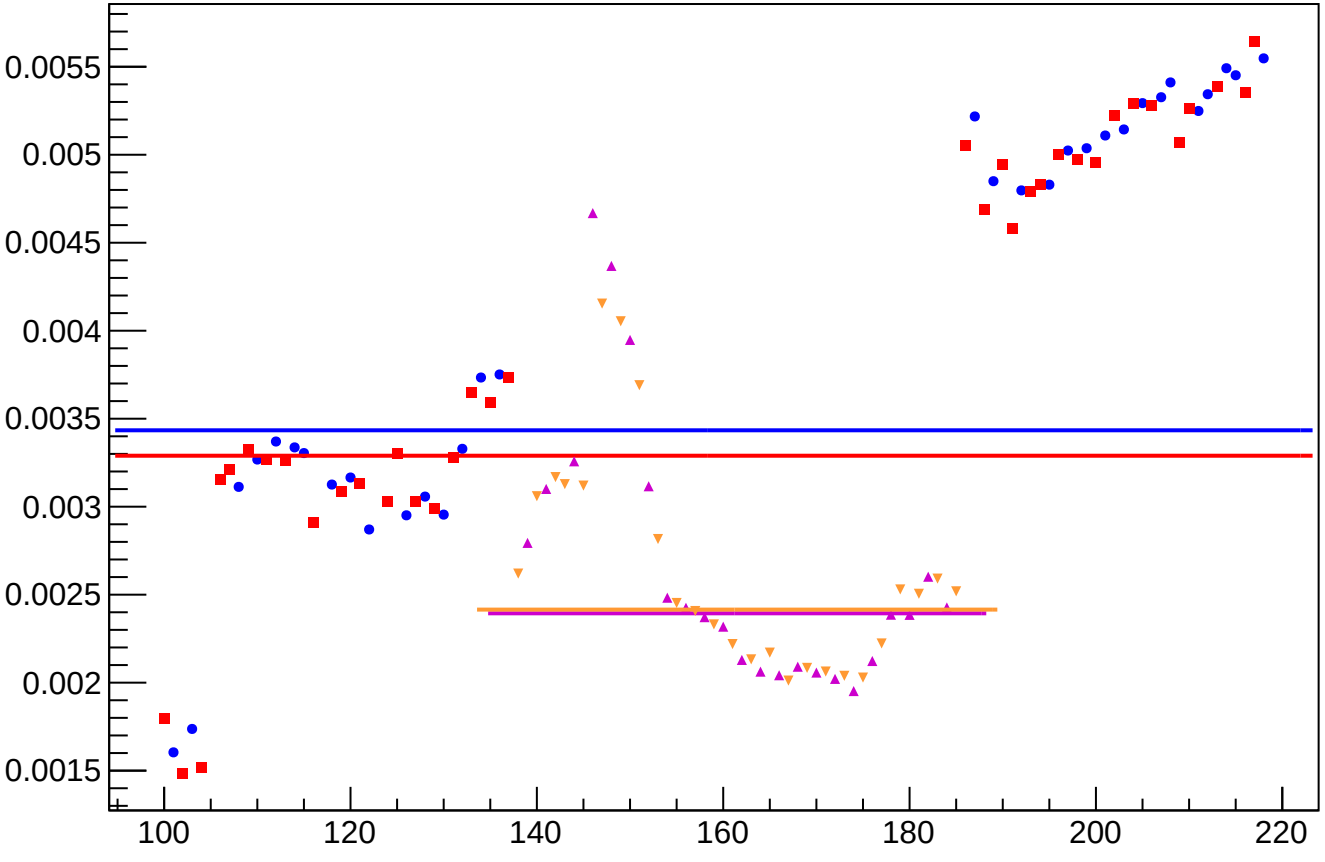
Right: -1.454+/-0.000 χ^2/NDF: 357181308257.6/67

In: -0.343+/-0.000 χ^2/NDF:4955415322310.1/54

Out: -0.391+/-0.000 χ^2/NDF:5106253036835.8/60

All: -0.368+/-0.000 χ^2/NDF: 1006670509238

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: 6368497.6/35

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

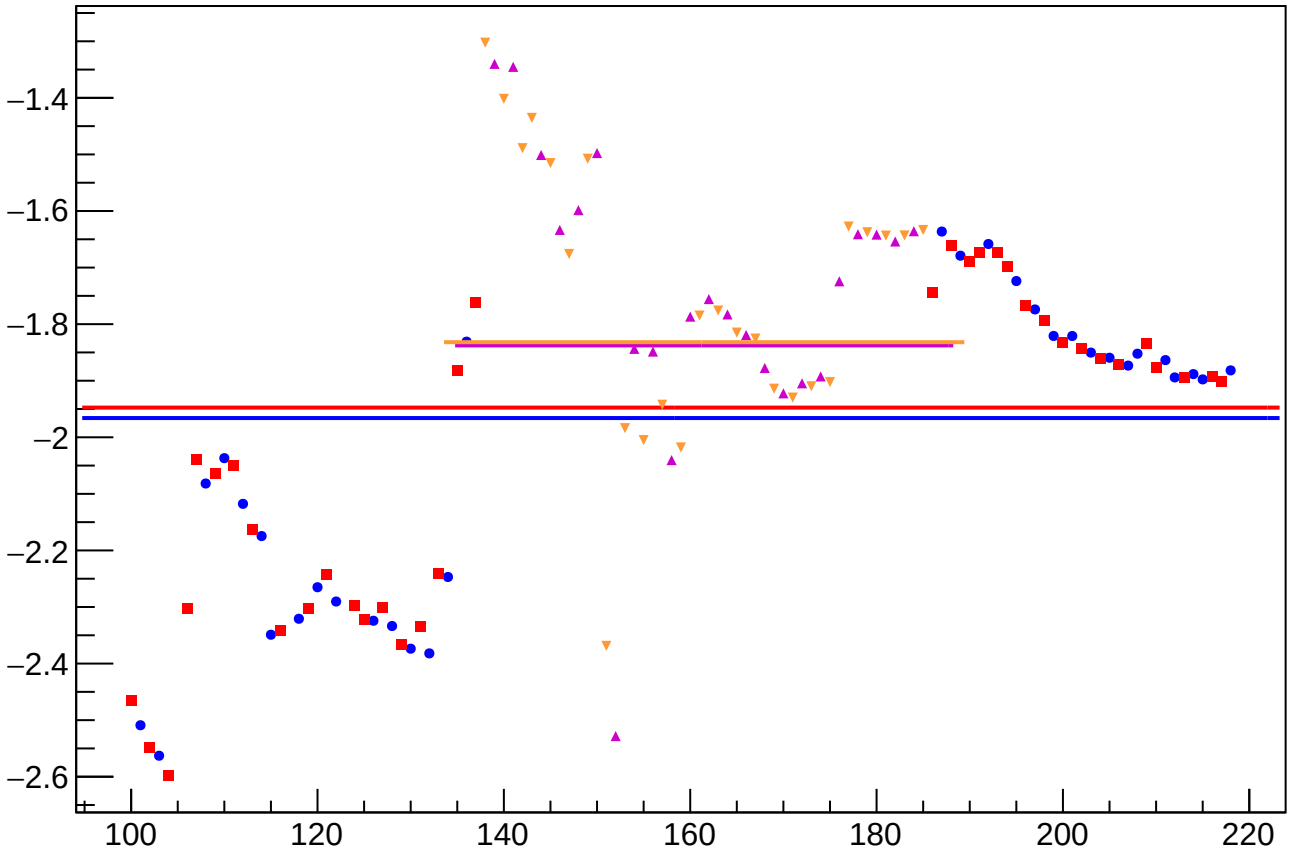
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 11918843.5/67

In: 0.003+/-0.000 χ^2/NDF:8942356.7/54

Out: 0.003+/-0.000 χ^2/NDF:9115173.6/60

All: 0.003+/-0.000 χ^2/NDF: 18060848.5/115



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: -1.948+/-0.000 χ^2/NDF: 38106033603.7/35

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

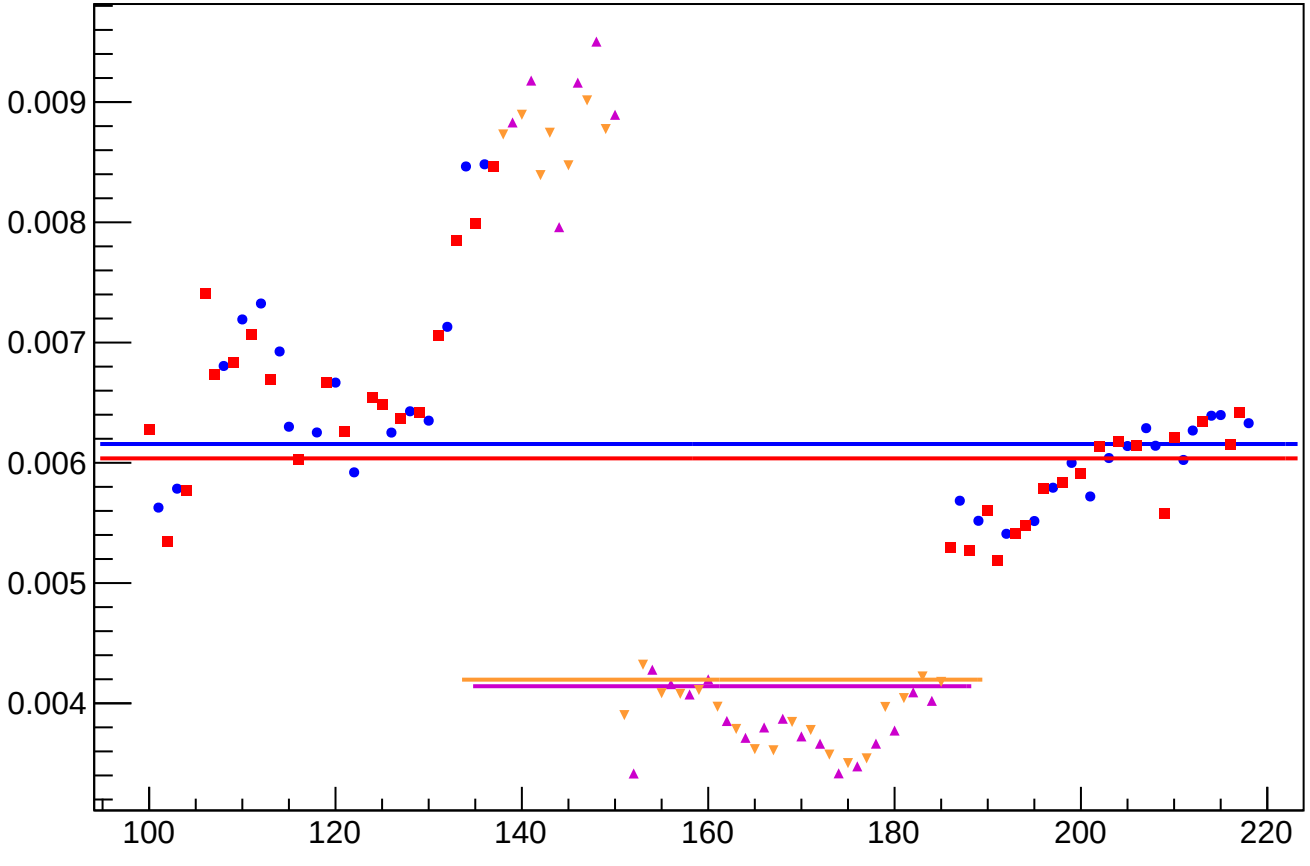
Right: -1.956+/-0.000 χ^2/NDF: 72496012486.3/67

In: -1.883+/-0.000 χ^2/NDF:93220632756.3/54

Out: -1.873+/-0.000 χ^2/NDF:81157657088.0/60

All: -1.878+/-0.000 χ^2/NDF: 174446811889.9

yield_bpm0i01aX_rms vs Slug, Sign Corrected



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: 403786.5/35

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

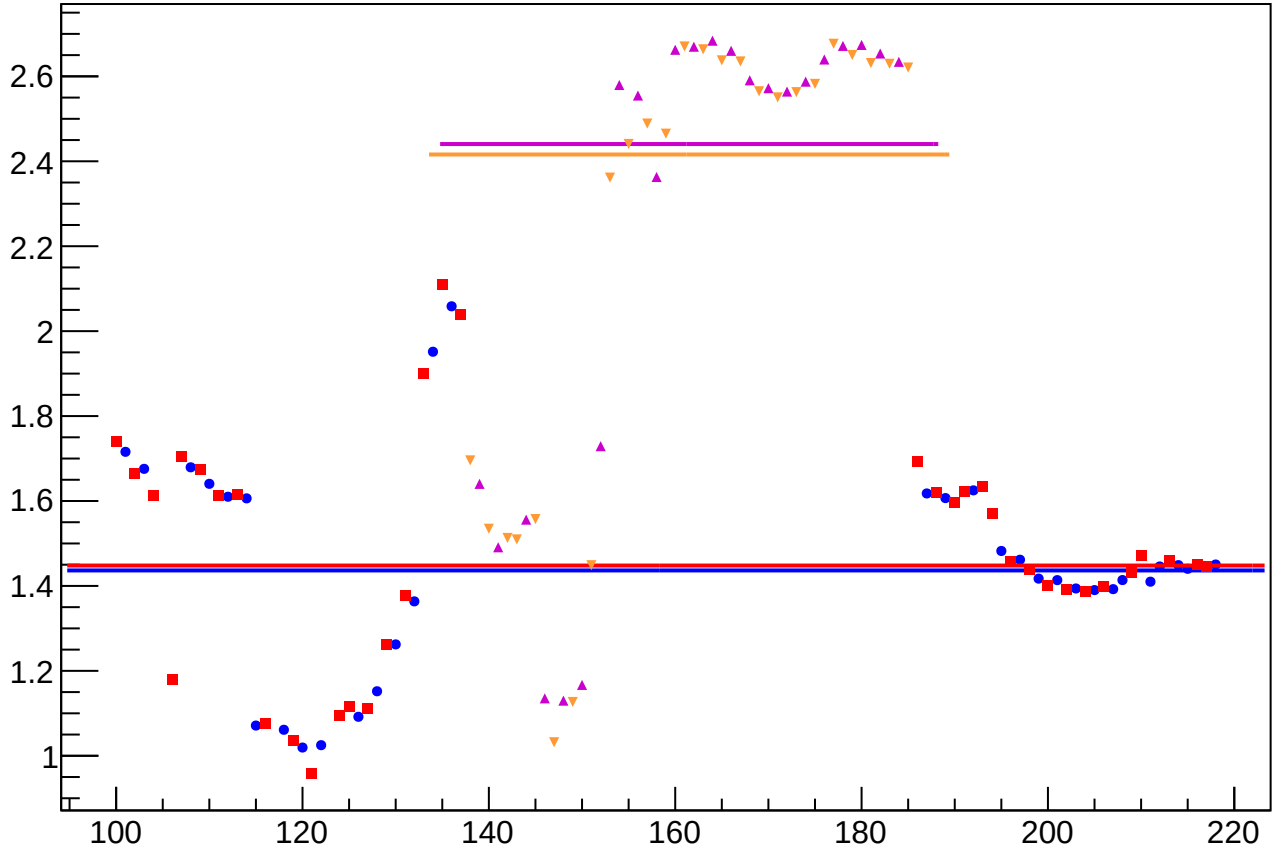
Right: 0.006+/-0.000 χ^2/NDF: 786882.7/67

In: 0.005+/-0.000 χ^2/NDF:6269122.5/54

Out: 0.005+/-0.000 χ^2/NDF:5868478.5/60

All: 0.005+/-0.000 χ^2/NDF: 12137616.6/115

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: 186652076596.8/35

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

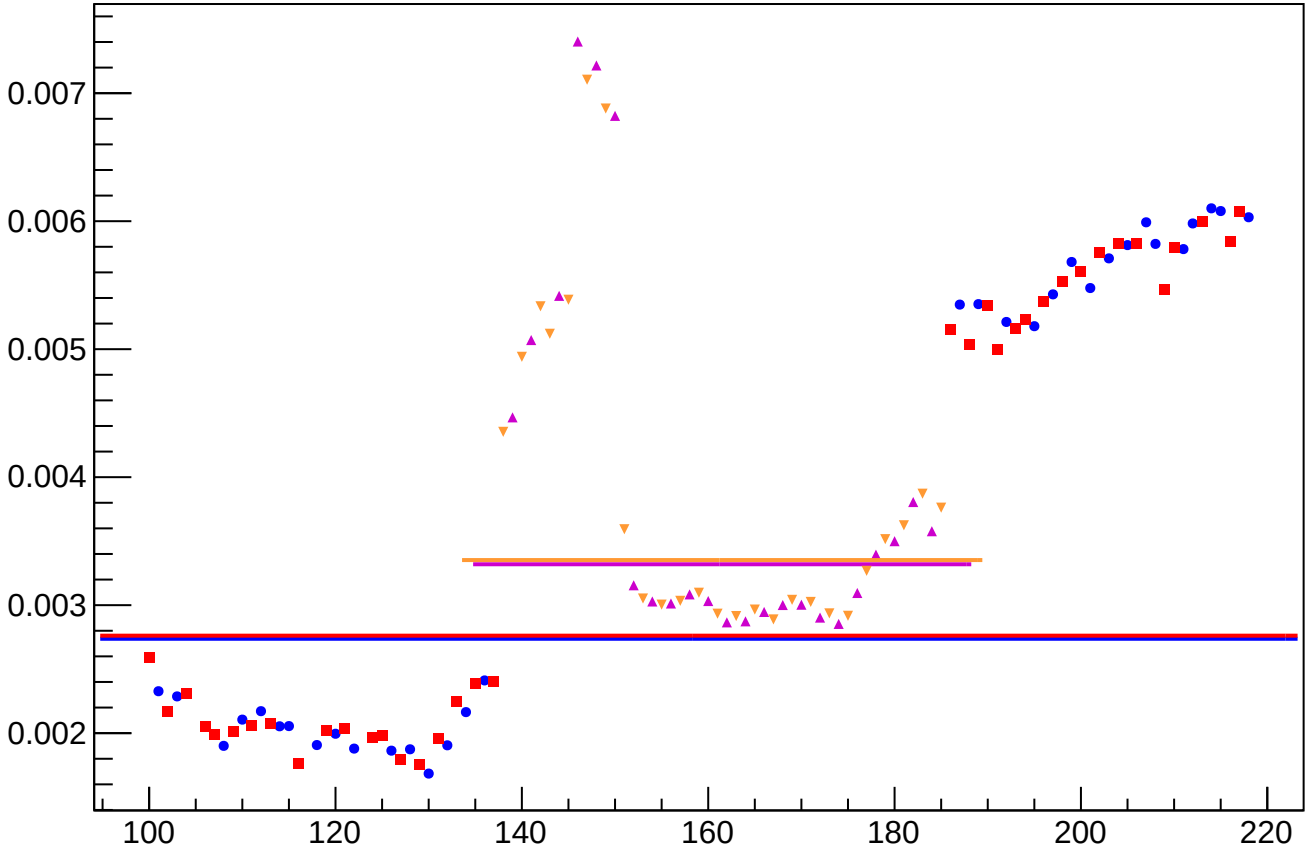
Right: 1.442+/-0.000 χ^2/NDF: 378299008131.2/67

In: 1.861+/-0.000 χ^2/NDF:1285542255851.5/54

Out: 1.864+/-0.000 χ^2/NDF:1258513804886.2/60

All: 1.863+/-0.000 χ^2/NDF: 2544074180742.

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: 8480416.3/35

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

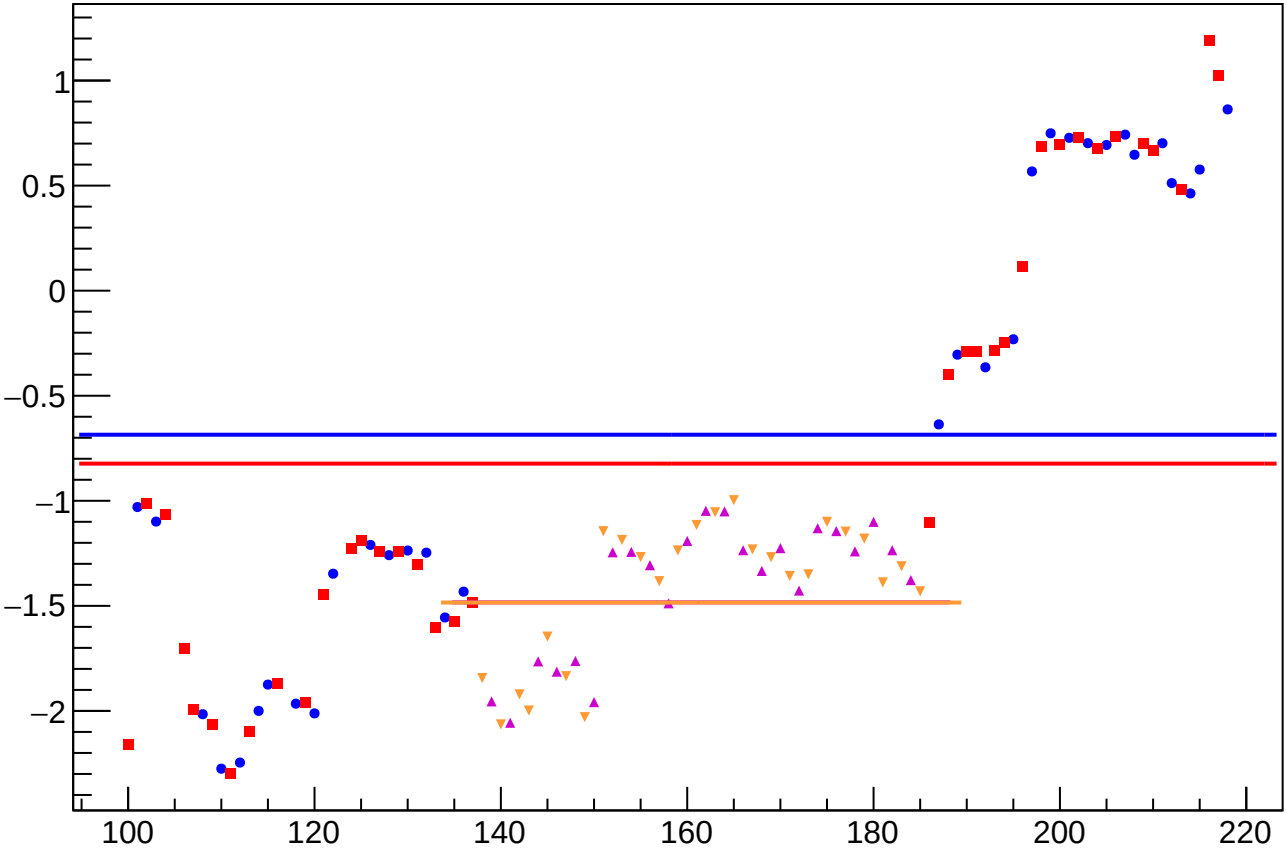
Right: 0.003+/-0.000 χ^2/NDF: 17246428.2/67

In: 0.003+/-0.000 χ^2/NDF:11399914.6/54

Out: 0.003+/-0.000 χ^2/NDF:10917578.5/60

All: 0.003+/-0.000 χ^2/NDF: 22321145.5/115

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: -0.823+/-0.000 χ^2/NDF: 304003241552.6/35

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

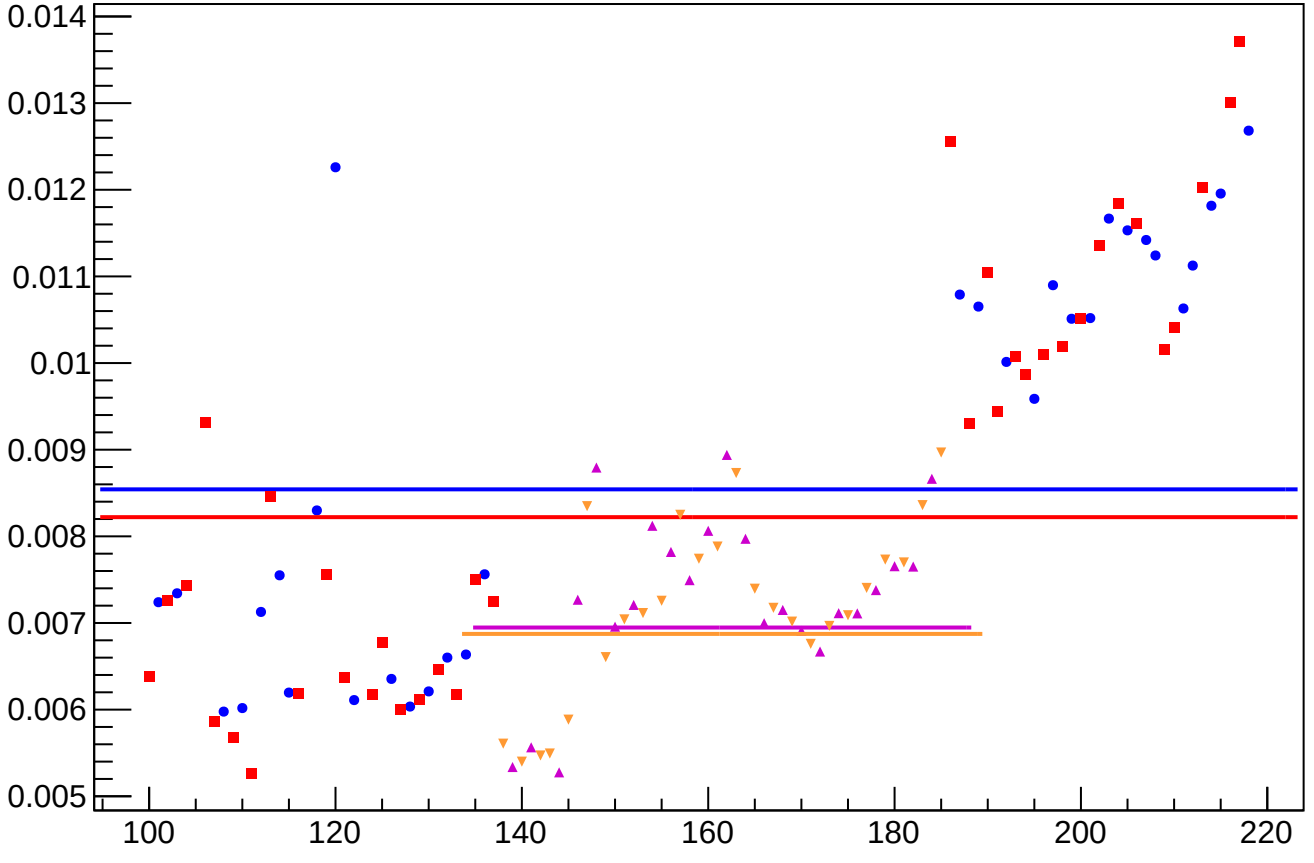
Right: -0.758+/-0.000 χ^2/NDF: 570946627880.0/67

In: -1.156+/-0.000 χ^2/NDF:396898776110.8/54

Out: -1.210+/-0.000 χ^2/NDF:421844150519.0/60

All: -1.184+/-0.000 χ^2/NDF: 819655861194.4

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: 2868916.7/35

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

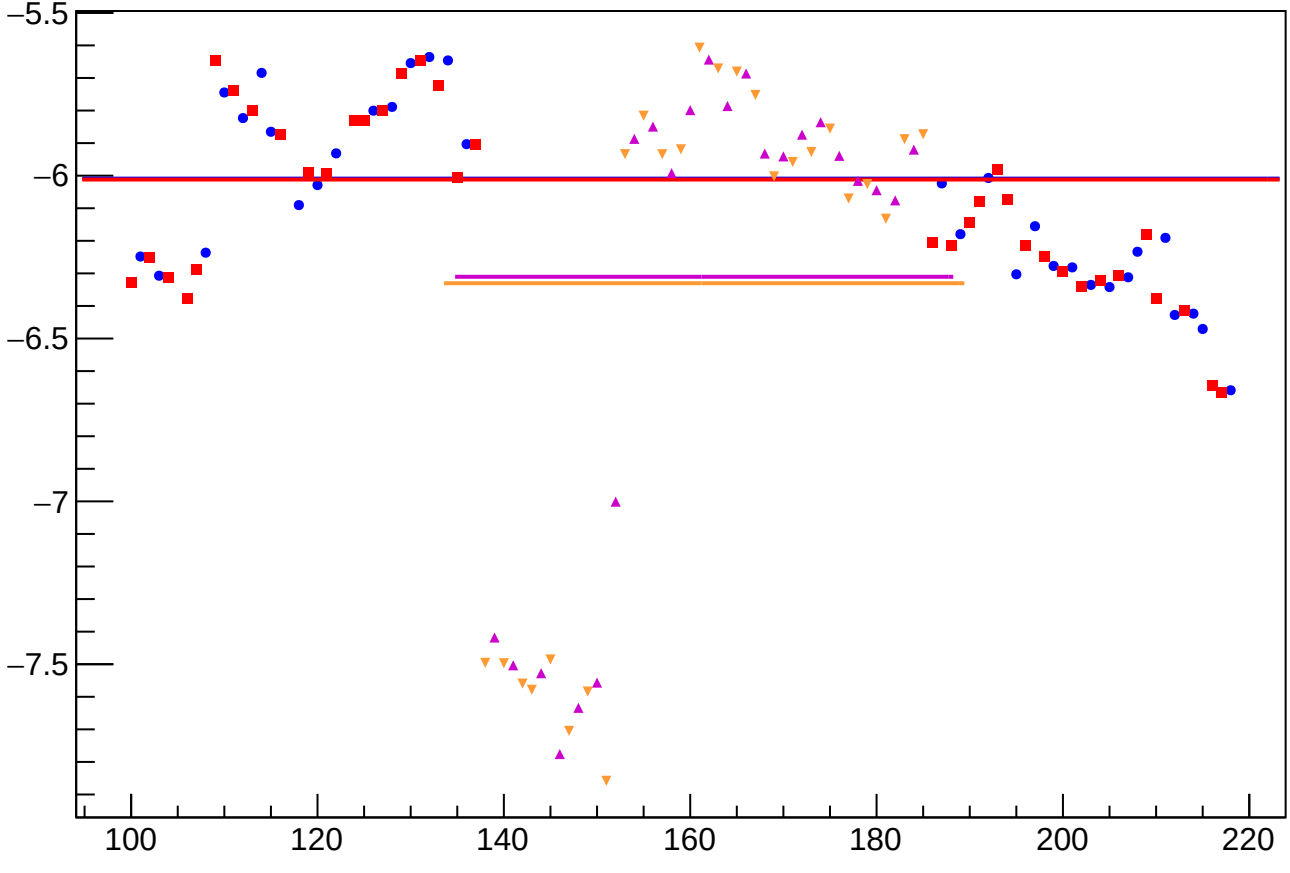
Right: 0.008+/-0.000 χ^2/NDF: 5386824.5/67

In: 0.008+/-0.000 χ^2/NDF:3973641.1/54

Out: 0.007+/-0.000 χ^2/NDF:4191131.1/60

All: 0.008+/-0.000 χ^2/NDF: 8182663.7/115

yield_bpm0l01Y_mean vs Slug, Sign Corrected



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: -6.012+/-0.000 χ^2/NDF: 20602451027.9/35

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

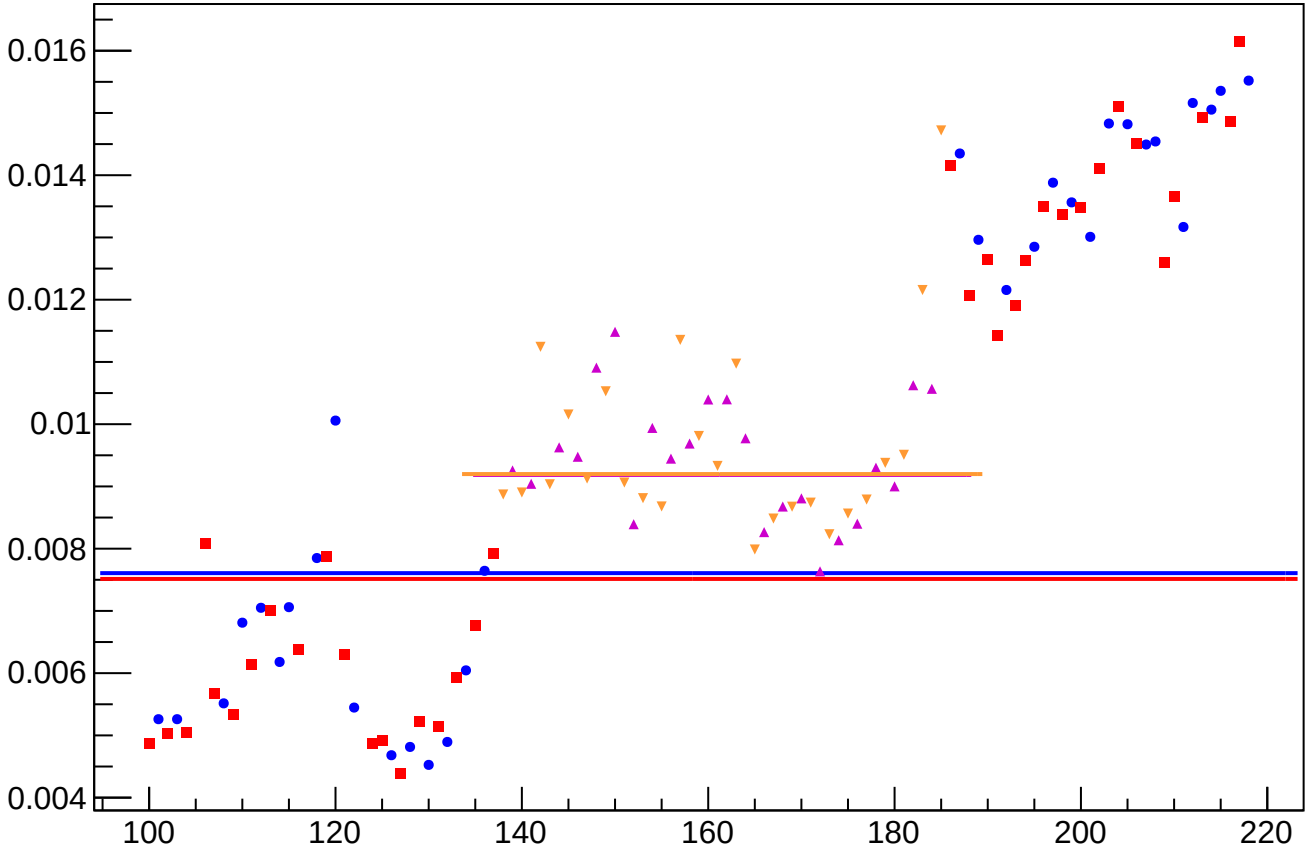
Right: -6.010+/-0.000 χ^2/NDF: 40396056410.8/67

In: -6.133+/-0.000 χ^2/NDF:121254485837.3/54

Out: -6.141+/-0.000 χ^2/NDF:142425191611.4/60

All: -6.137+/-0.000 χ^2/NDF: 263694599179.6

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: 7132978.5/35

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

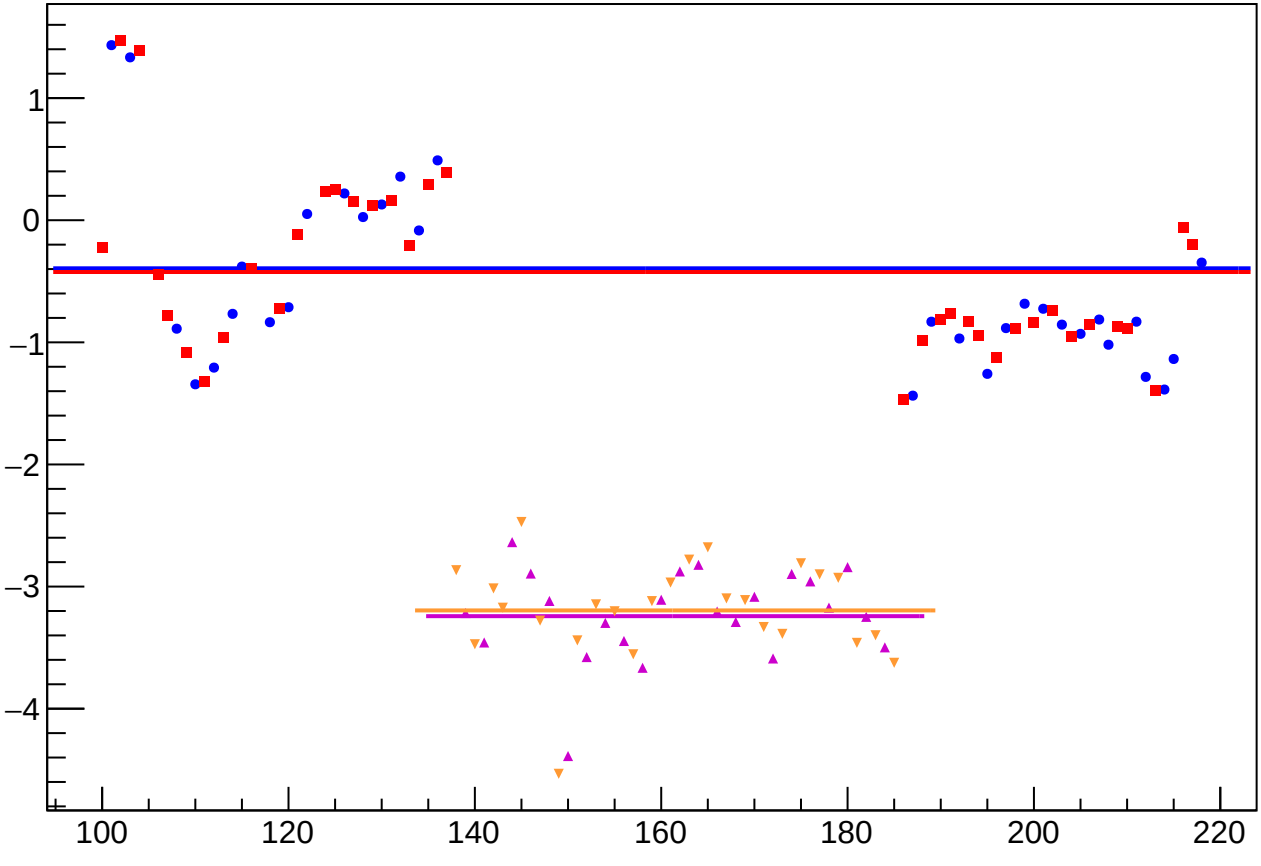
Right: 0.008+/-0.000 χ^2/NDF: 14576297.8/67

In: 0.008+/-0.000 χ^2/NDF:8295395.1/54

Out: 0.008+/-0.000 χ^2/NDF:8143535.0/60

All: 0.008+/-0.000 χ^2/NDF: 16440461.6/115

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: -0.424+/-0.000 χ^2/NDF: 38468238935.8/35

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

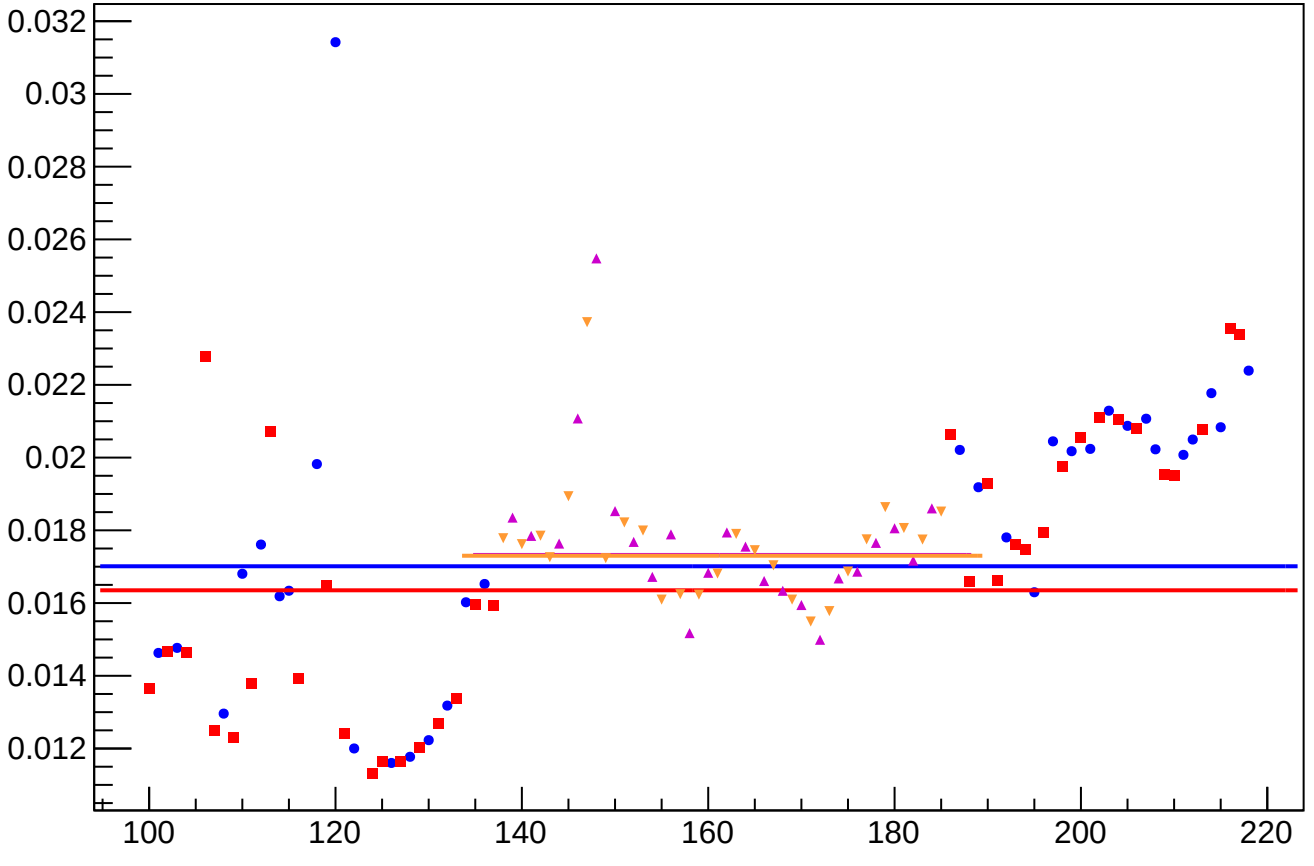
Right: -0.410+/-0.000 χ^2/NDF: 78295119826.1/67

In: -1.760+/-0.000 χ^2/NDF:294422729671.6/54

Out: -1.719+/-0.000 χ^2/NDF:302017054621.5/60

All: -1.738+/-0.000 χ^2/NDF: 596546660817.0

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: 1848394.0/35

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

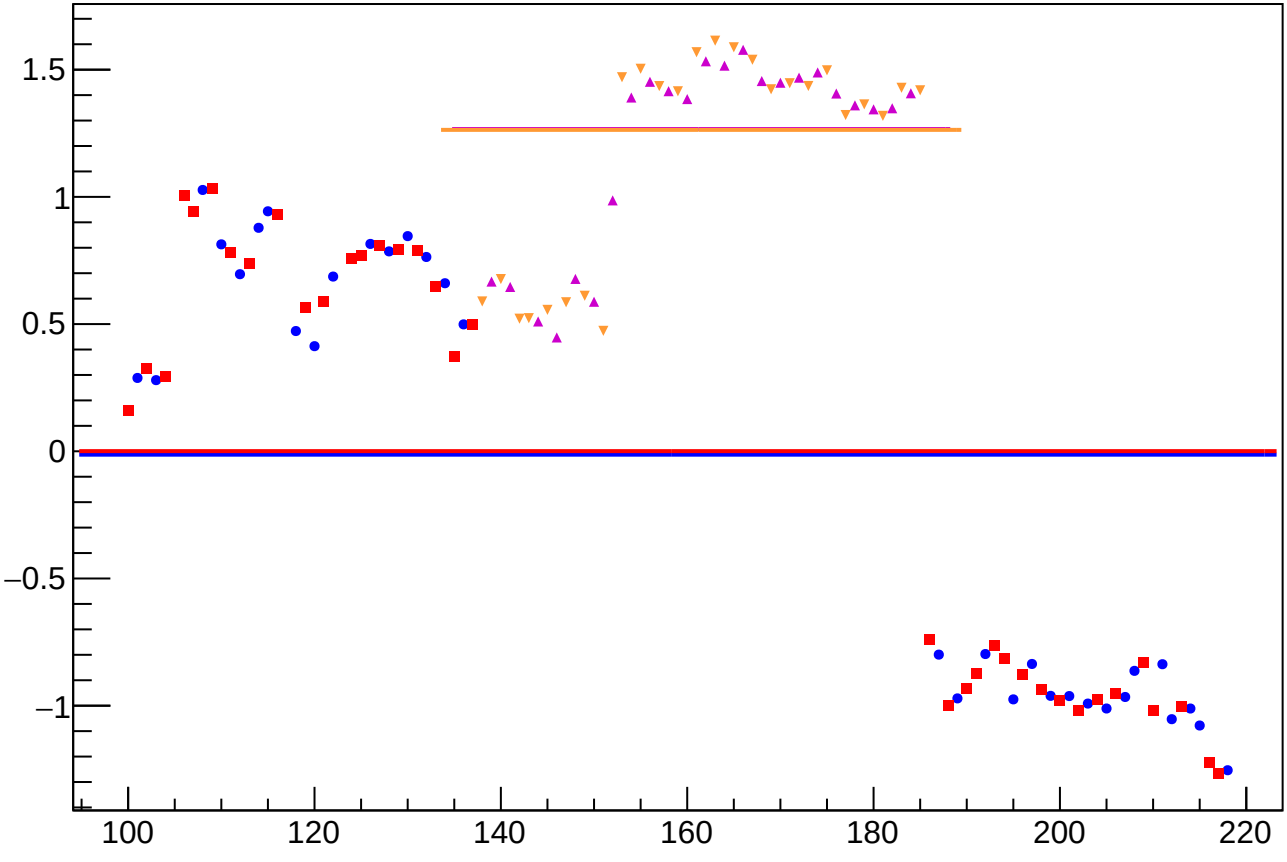
Right: 0.017+/-0.000 χ^2/NDF: 3617399.0/67

In: 0.017+/-0.000 χ^2/NDF:2075560.6/54

Out: 0.017+/-0.000 χ^2/NDF:2126160.4/60

All: 0.017+/-0.000 χ^2/NDF: 4218747.5/115

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: 0.001+/-0.000 χ^2/NDF: 108266542199.7/35

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

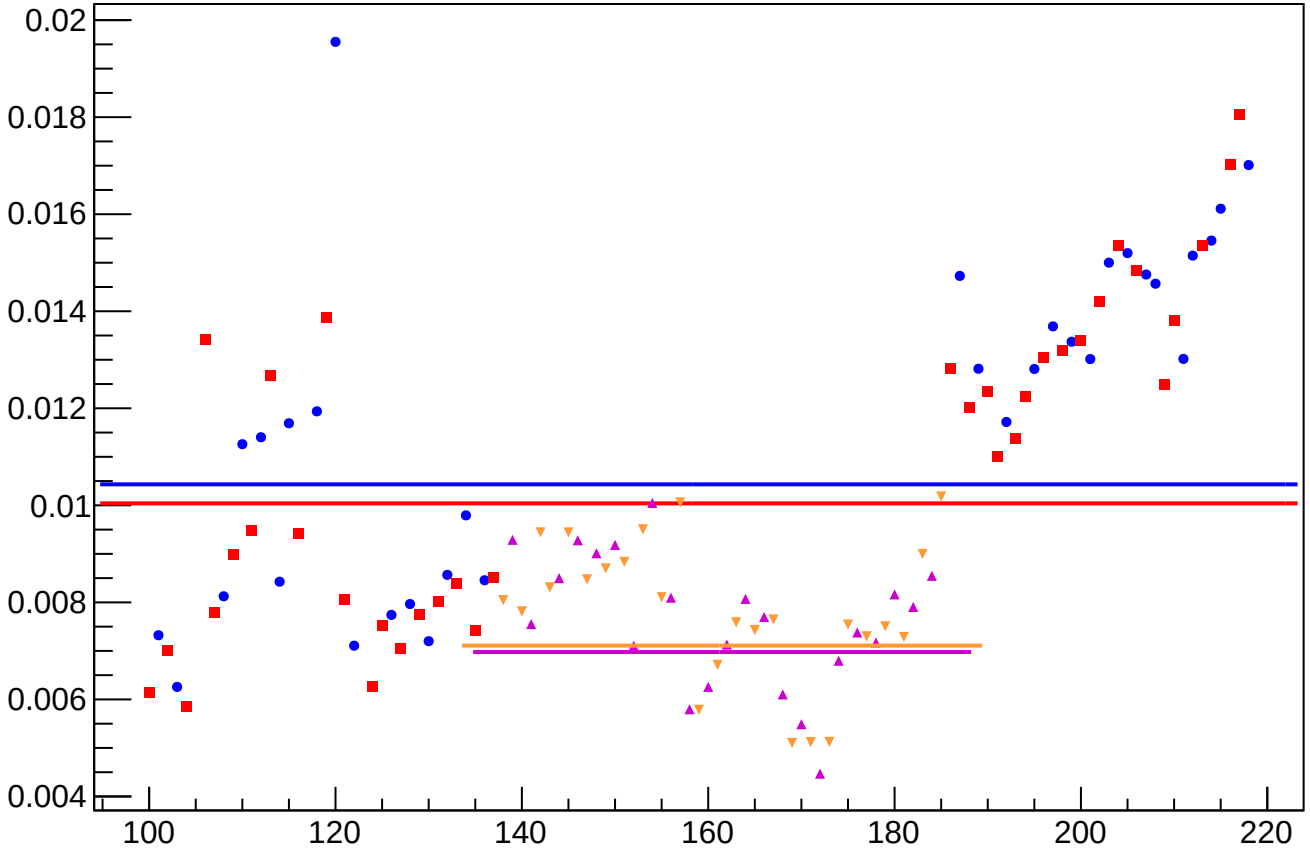
Right: -0.006+/-0.000 χ^2/NDF: 207036762044.3/67

In: 0.857+/-0.000 χ^2/NDF:311604722865.3/54

Out: 0.833+/-0.000 χ^2/NDF:336846196872.3/60

All: 0.845+/-0.000 χ^2/NDF: 648594132036.5

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: 3625106.3/35

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

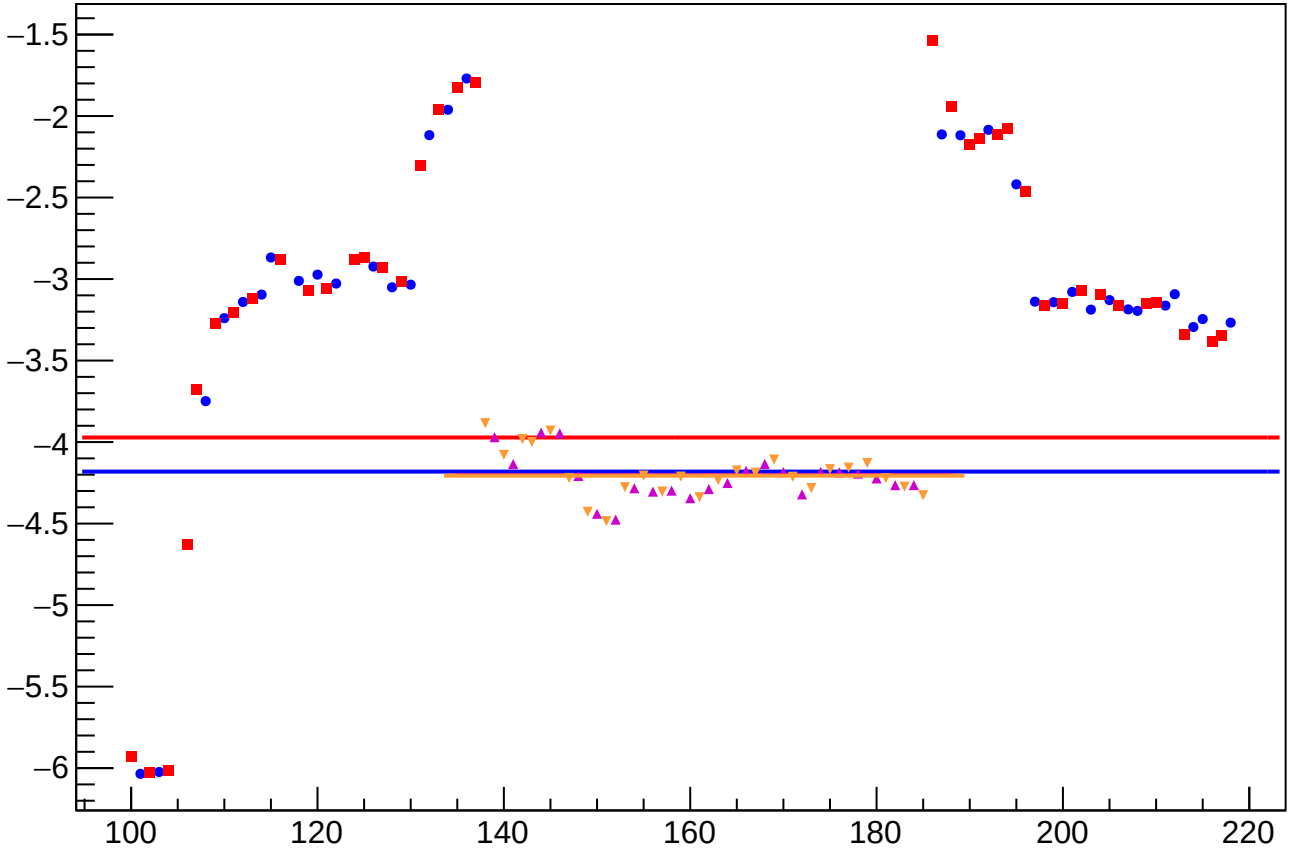
Right: 0.010+/-0.000 χ^2/NDF: 7179286.2/67

In: 0.008+/-0.000 χ^2/NDF:7541091.7/54

Out: 0.008+/-0.000 χ^2/NDF:7116760.9/60

All: 0.008+/-0.000 χ^2/NDF: 14658174.8/115

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: -3.972+/-0.000 χ^2/NDF: 308491709997.9/35

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

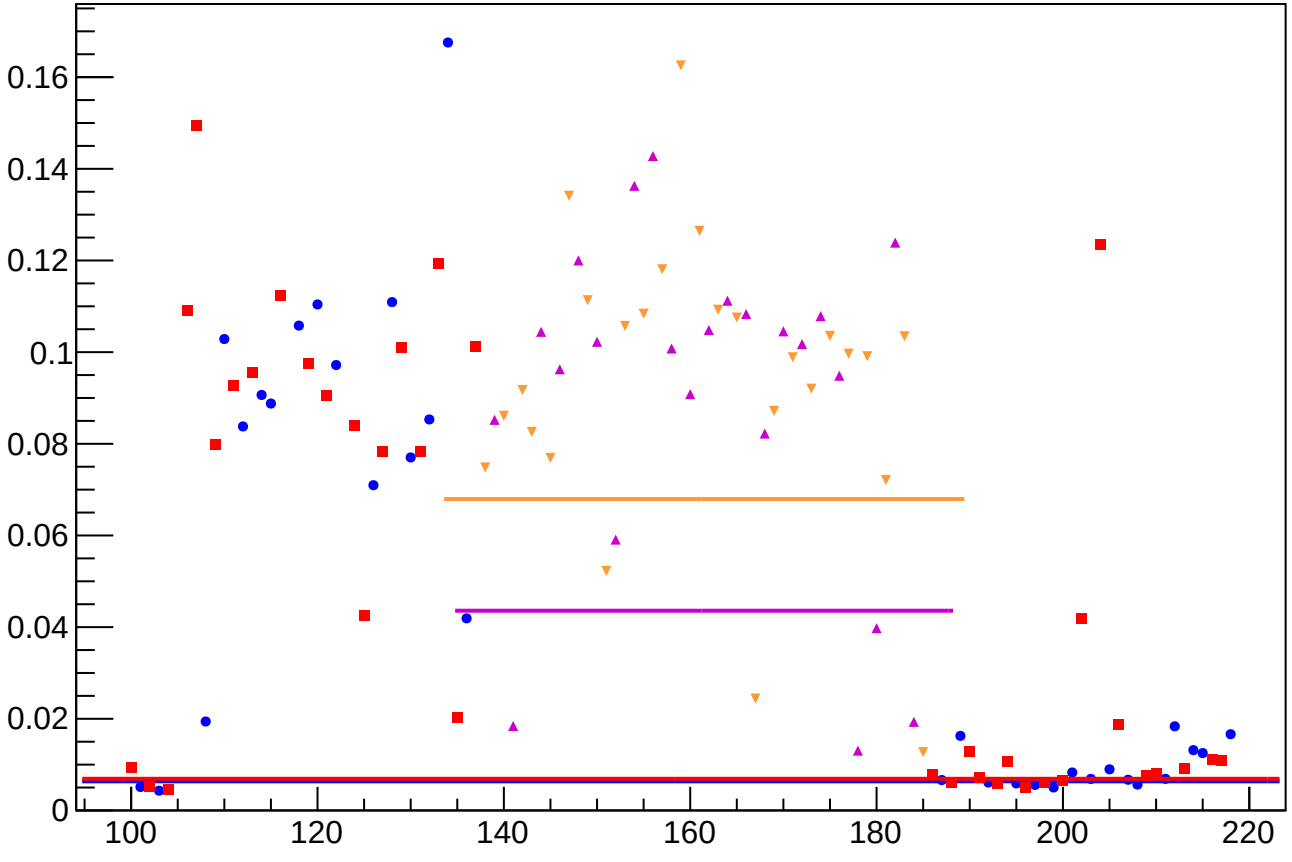
Right: -4.087+/-0.000 χ^2/NDF: 613937572684.4/67

In: -4.182+/-0.000 χ^2/NDF:303027926987.4/54

Out: -3.978+/-0.000 χ^2/NDF:308695550139.8/60

All: -4.090+/-0.000 χ^2/NDF: 614131497862.4

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: 10893008.1/35

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

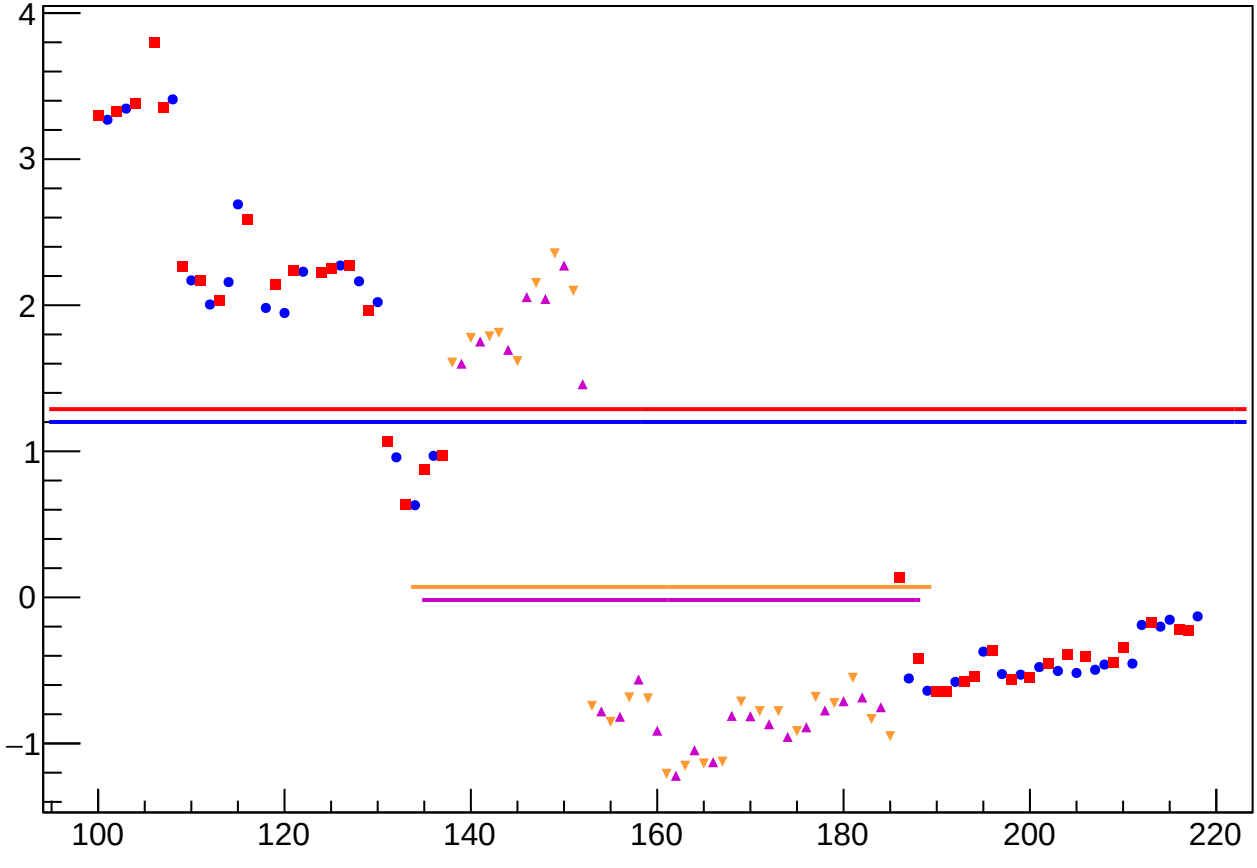
Right: 0.007+/-0.000 χ^2/NDF: 20532746.9/67

In: 0.008+/-0.000 χ^2/NDF:33342342.1/54

Out: 0.008+/-0.000 χ^2/NDF:37855129.3/60

All: 0.008+/-0.000 χ^2/NDF: 71291435.5/115

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: 1.289+/-0.000 χ^2/NDF: 220676164112.4/35

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

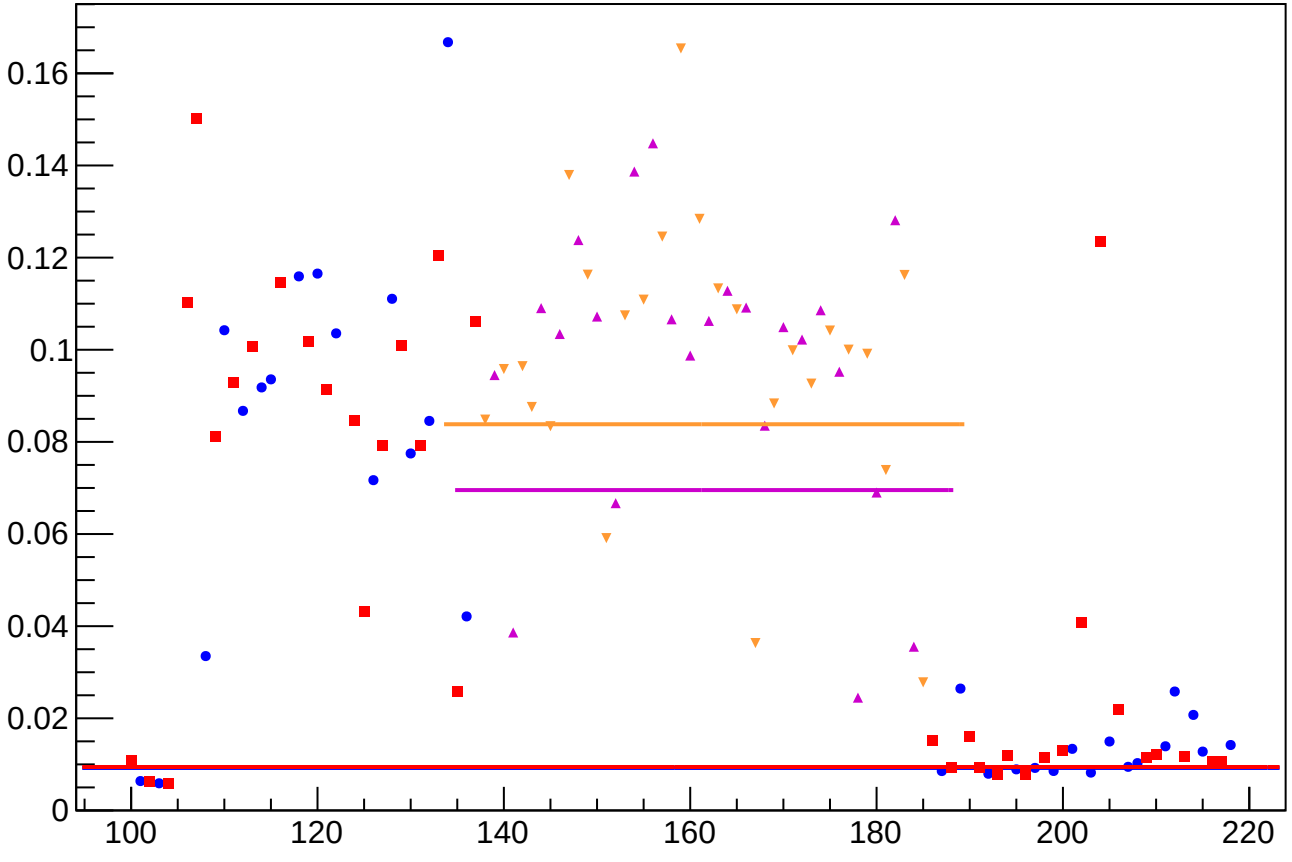
Right: 1.243+/-0.000 χ^2/NDF: 462259858328.5/67

In: 1.160+/-0.000 χ^2/NDF:248196372168.0/54

Out: 1.251+/-0.000 χ^2/NDF:227263878913.1/60

All: 1.204+/-0.000 χ^2/NDF: 475741166131.0

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: 0.009+/-0.000 χ^2/NDF: 10533770.5/35

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

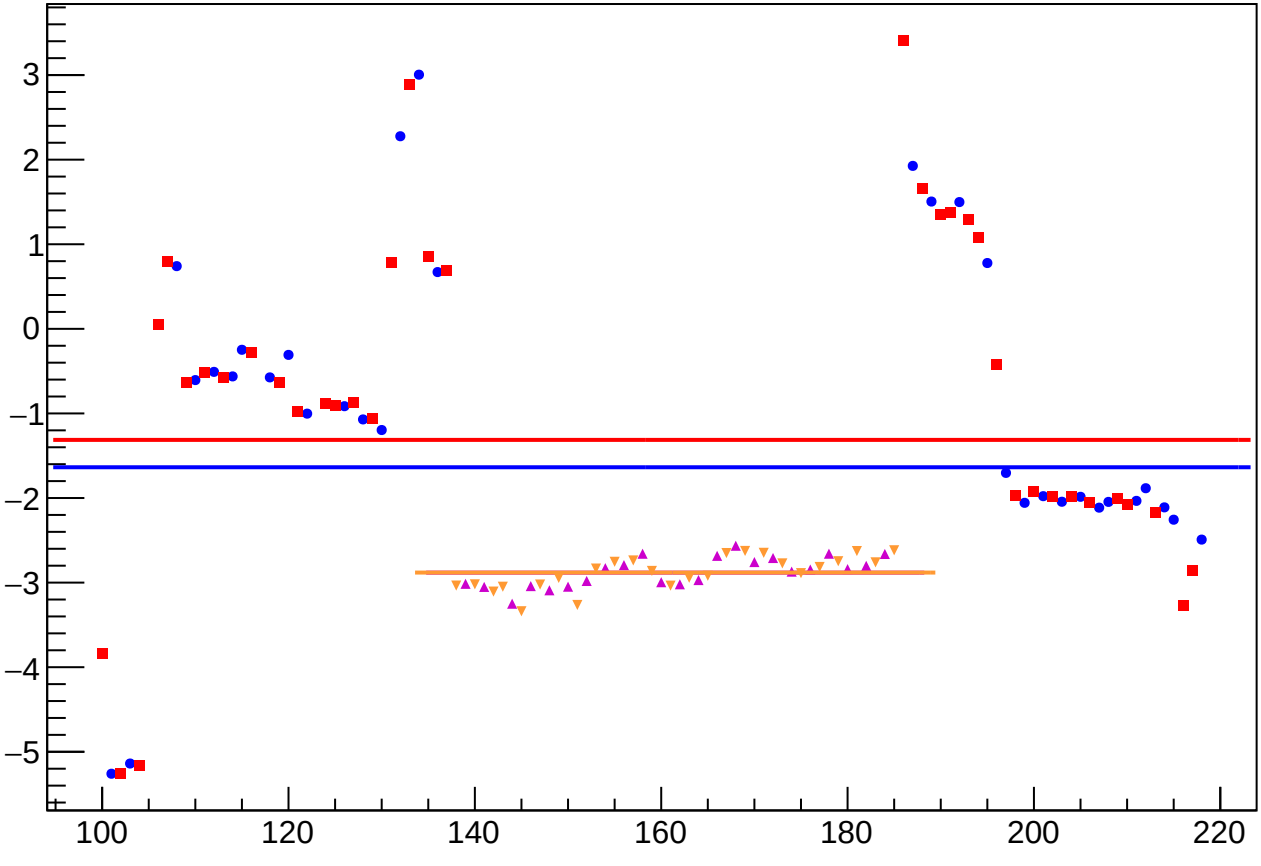
Right: 0.009+/-0.000 χ^2/NDF: 19923300.6/67

In: 0.011+/-0.000 χ^2/NDF:32811826.9/54

Out: 0.012+/-0.000 χ^2/NDF:36429473.8/60

All: 0.011+/-0.000 χ^2/NDF: 69260412.3/115

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: -1.313+/-0.000 χ^2/NDF: 245487080709.5/35

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

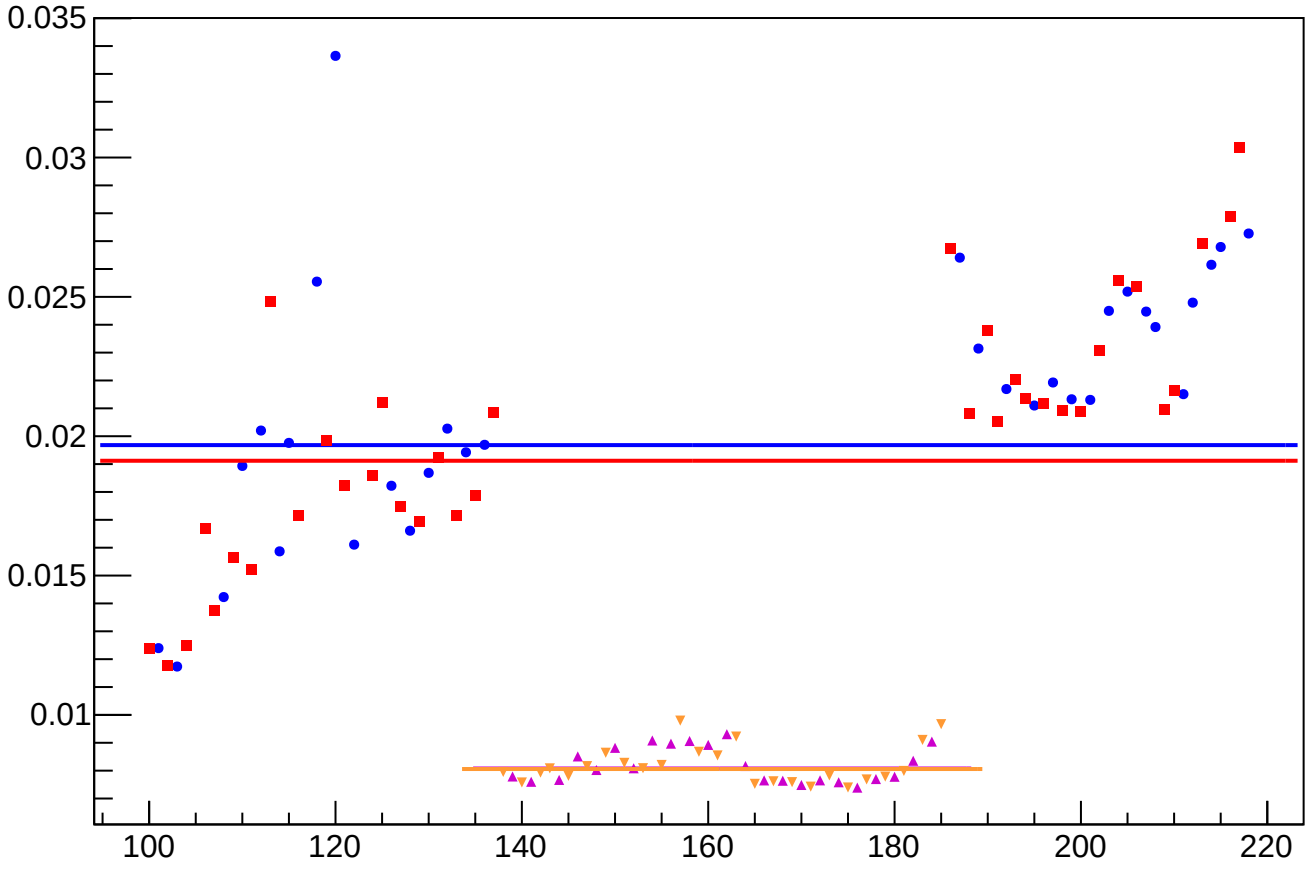
Right: -1.467+/-0.000 χ^2/NDF: 459020102749.2/67

In: -2.702+/-0.000 χ^2/NDF:279362457303.1/54

Out: -2.648+/-0.000 χ^2/NDF:360013237304.1/60

All: -2.674+/-0.000 χ^2/NDF: 639858636399.2

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: 2091877.6/35

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

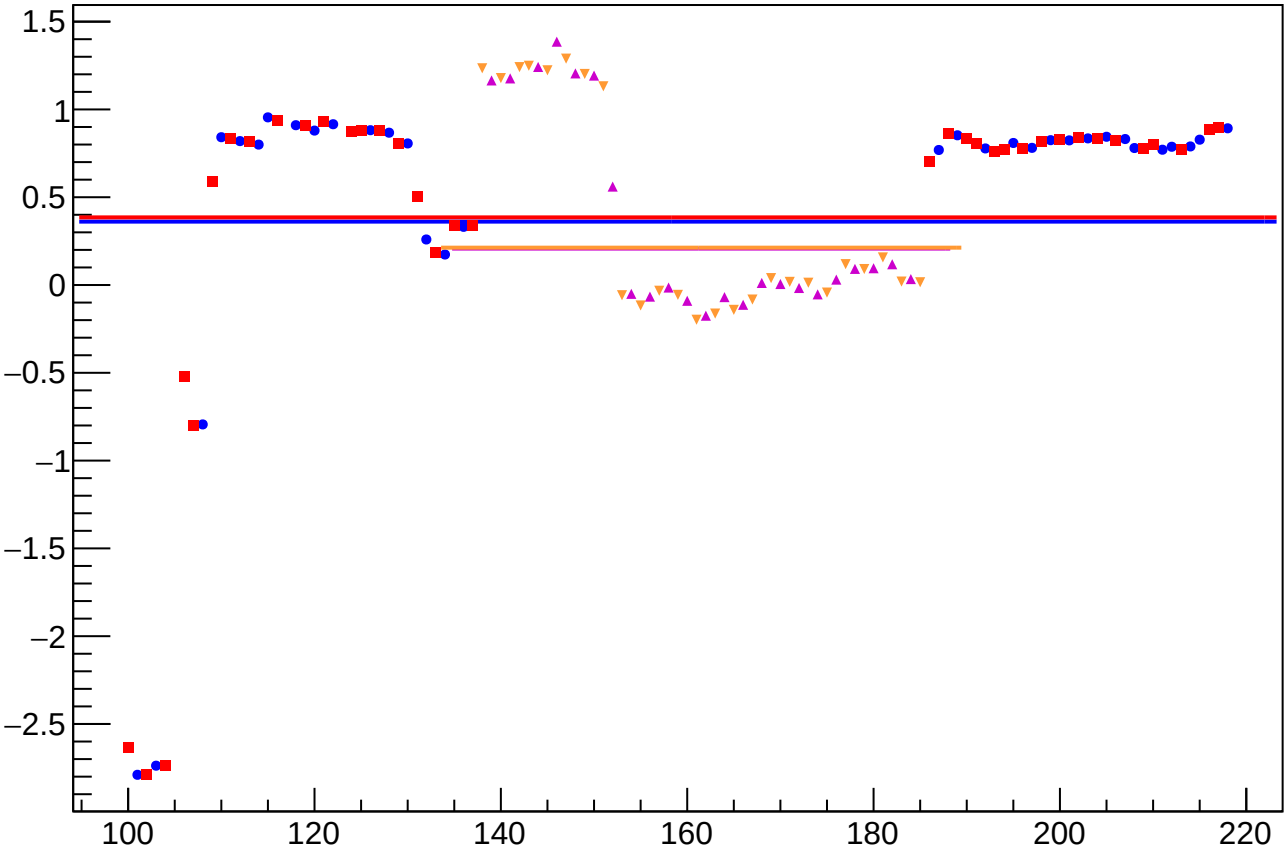
Right: 0.019+/-0.000 χ^2/NDF: 4242490.2/67

In: 0.010+/-0.000 χ^2/NDF:12722666.8/54

Out: 0.010+/-0.000 χ^2/NDF:12619812.8/60

All: 0.010+/-0.000 χ^2/NDF: 25343249.5/115

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: 0.385+/-0.000 χ^2/NDF: 1069202467091.5/35

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

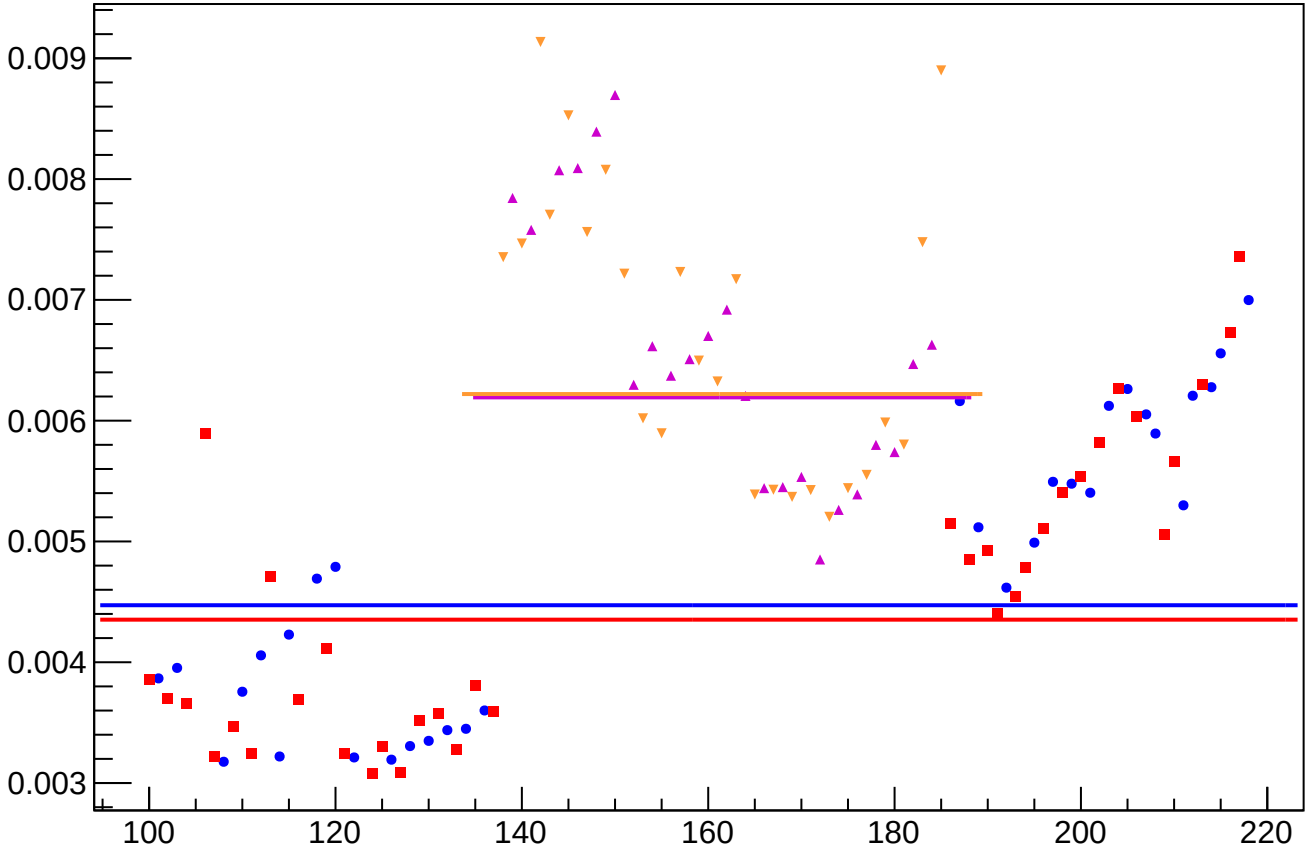
Right: 0.374+/-0.000 χ^2/NDF: 2055962010789.2/67

In: 0.313+/-0.000 χ^2/NDF:1080290614895.9/54

Out: 0.333+/-0.000 χ^2/NDF:1180922240603.6/60

All: 0.323+/-0.000 χ^2/NDF: 2261478844209.

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: 2354853.3/35

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

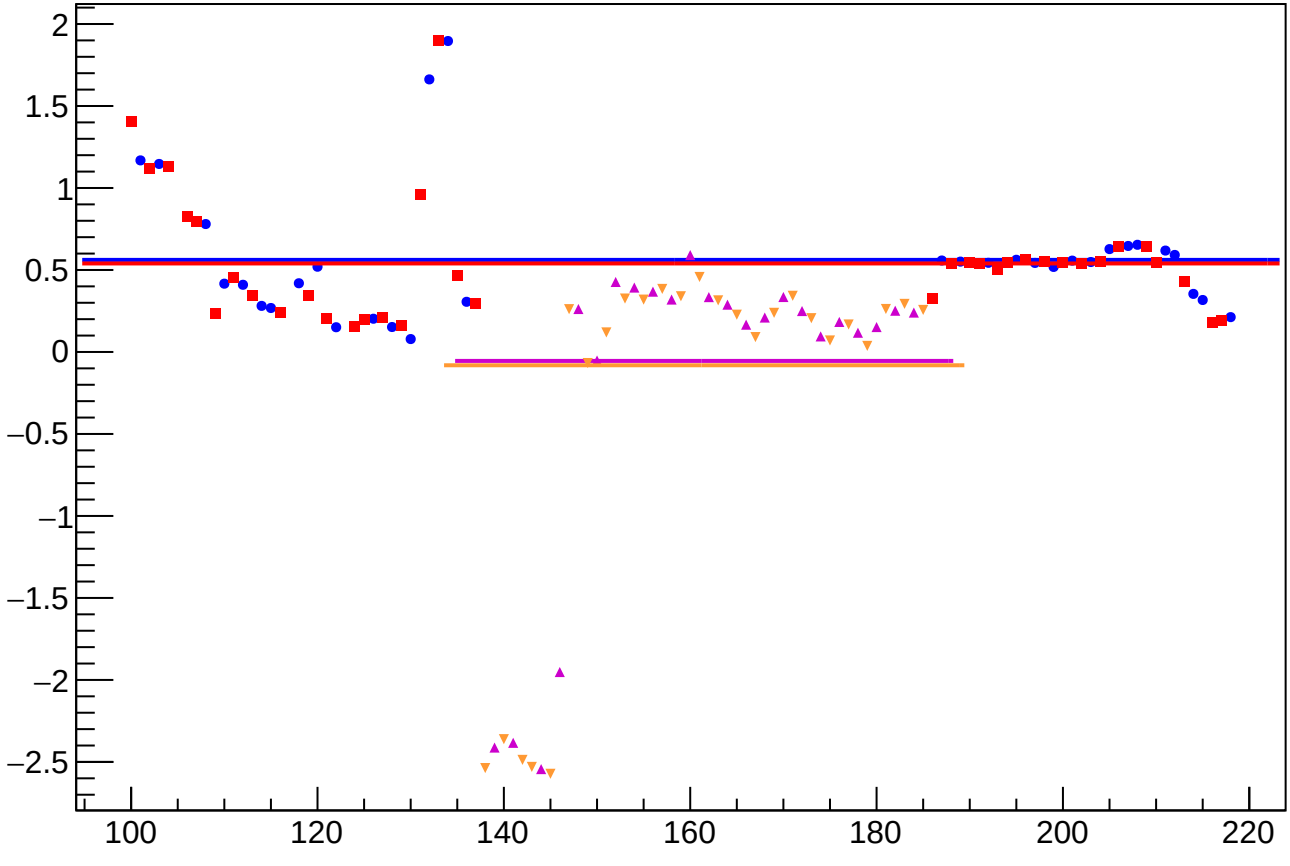
Right: 0.004+/-0.000 χ^2/NDF: 4755635.1/67

In: 0.005+/-0.000 χ^2/NDF:4883088.5/54

Out: 0.005+/-0.000 χ^2/NDF:5256842.8/60

All: 0.005+/-0.000 χ^2/NDF: 10150993.6/115

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: 0.540+/-0.000 χ^2/NDF: 62700871466.6/35

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

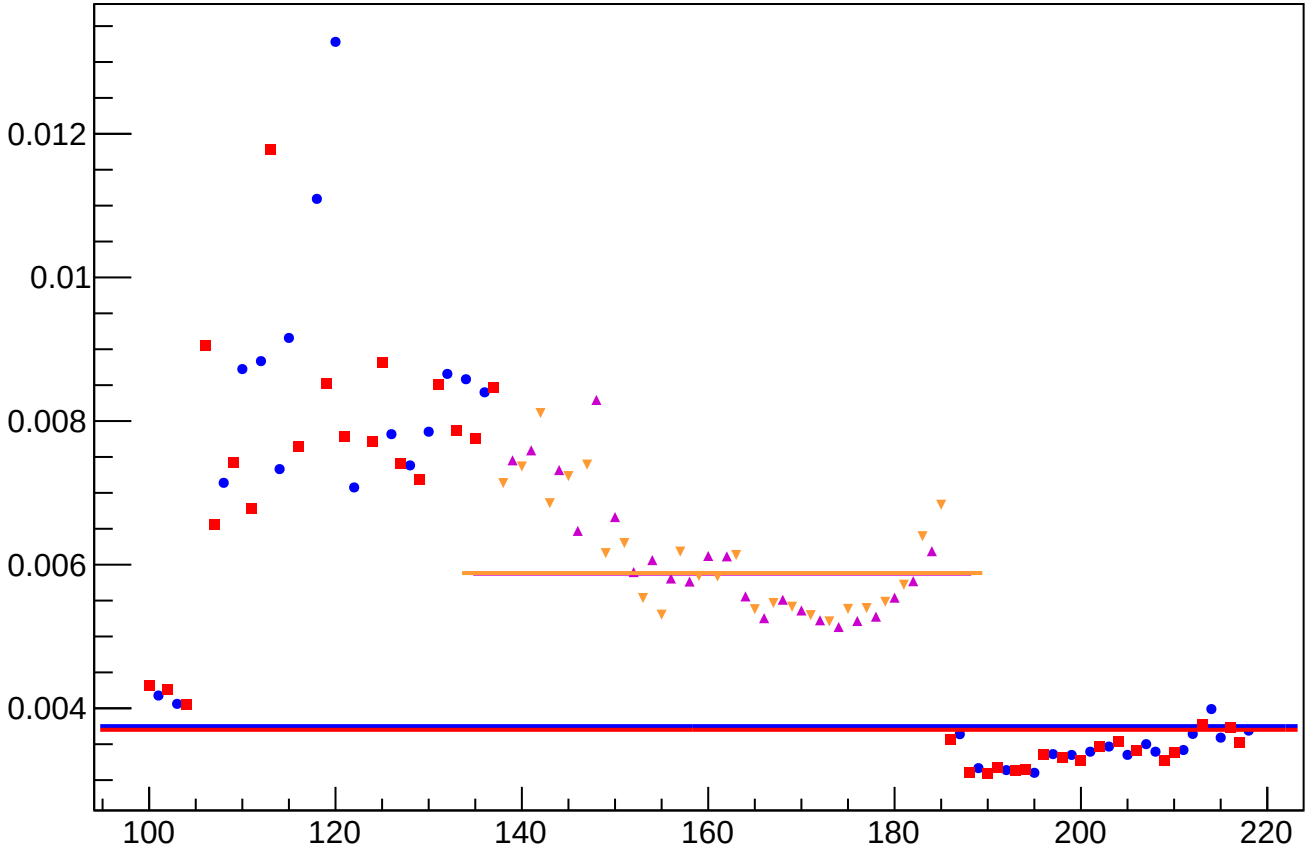
Right: 0.550+/-0.000 χ^2/NDF: 123972752716.9/67

In: 0.385+/-0.000 χ^2/NDF:539325105568.3/54

Out: 0.365+/-0.000 χ^2/NDF:591256870661.2/60

All: 0.375+/-0.000 χ^2/NDF: 1130945019733.

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: 3484157.4/35

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

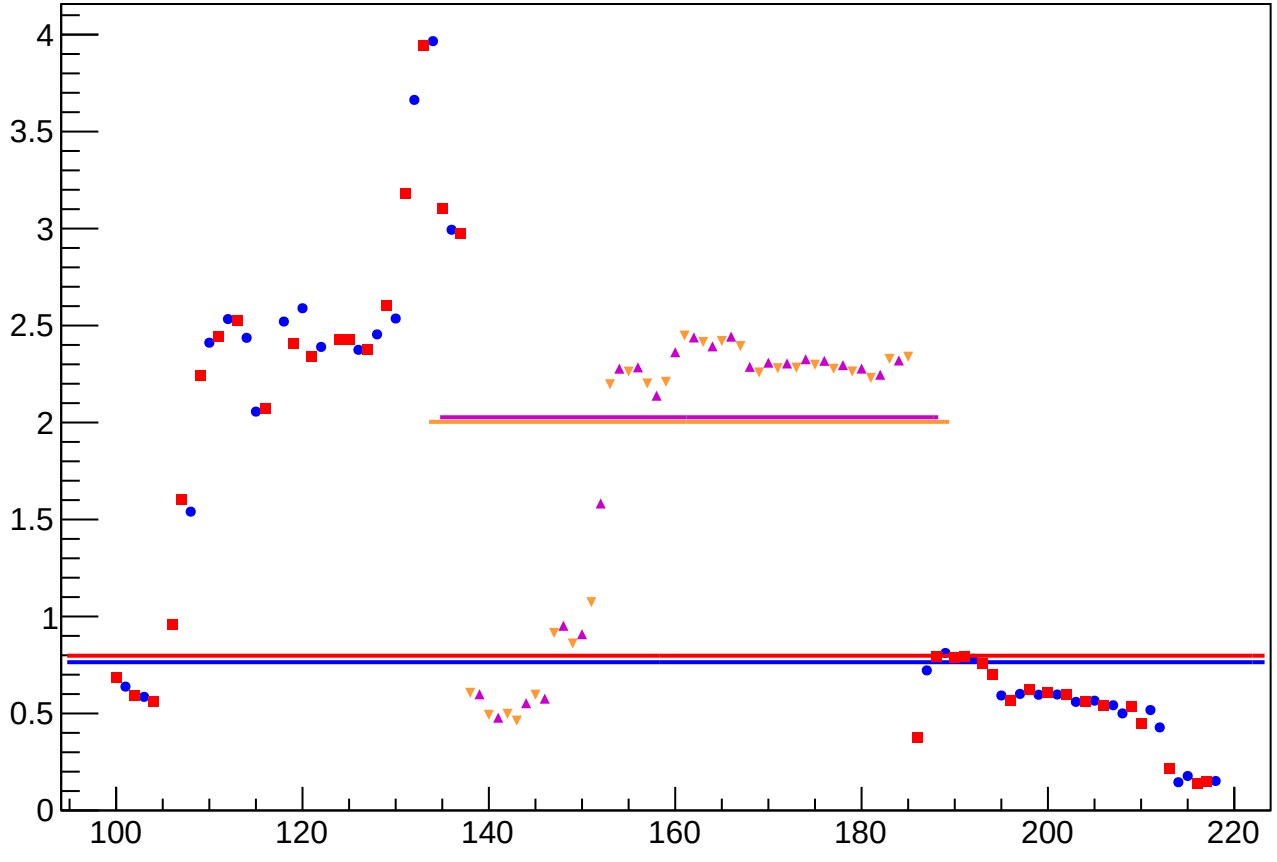
Right: 0.004+/-0.000 χ^2/NDF: 6983406.7/67

In: 0.004+/-0.000 χ^2/NDF:7135364.2/54

Out: 0.004+/-0.000 χ^2/NDF:7408828.1/60

All: 0.004+/-0.000 χ^2/NDF: 14547530.1/115

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: 0.798+/-0.000 χ^2/NDF: 309410755146.1/35

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

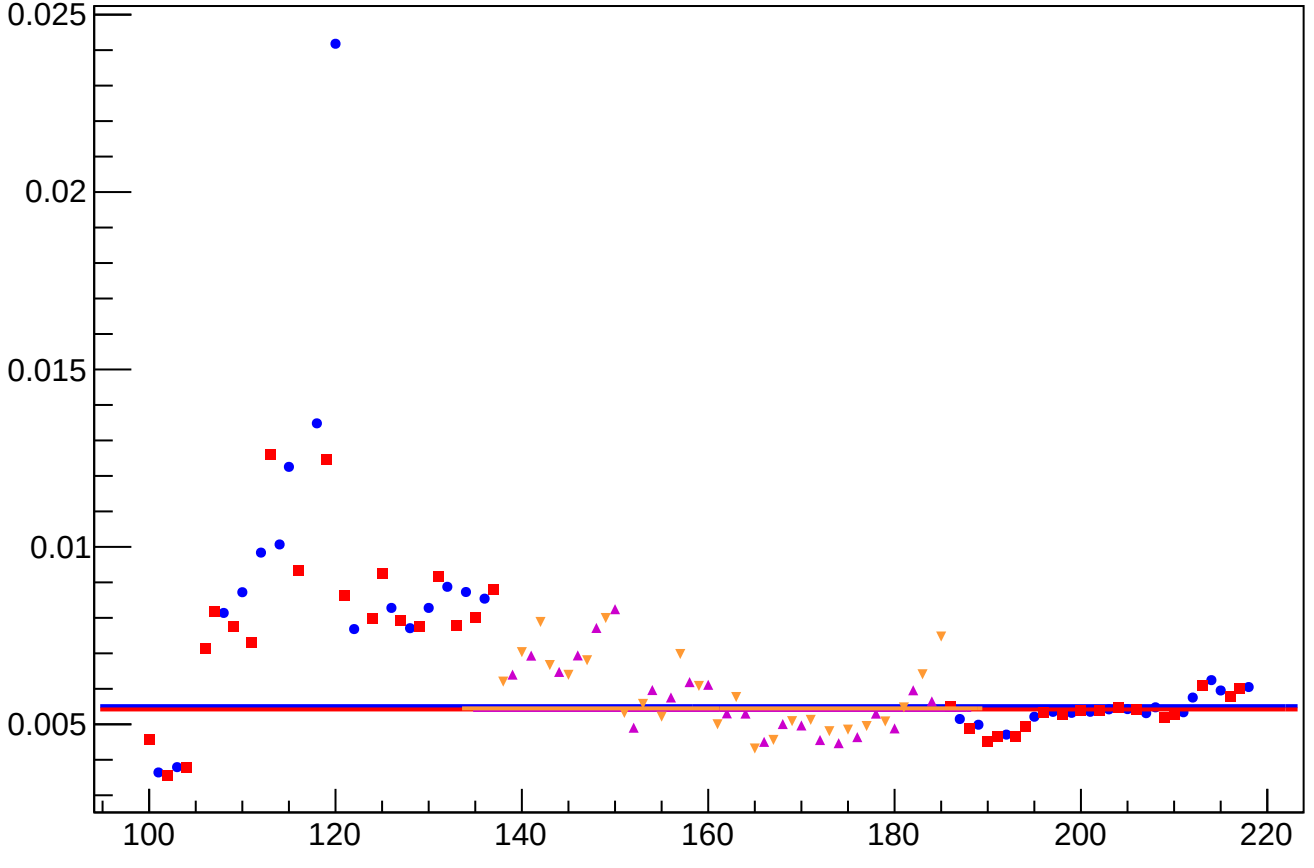
Right: 0.782+/-0.000 χ^2/NDF: 590221854583.4/67

In: 1.370+/-0.000 χ^2/NDF:915672606493.0/54

Out: 1.365+/-0.000 χ^2/NDF:952858199740.9/60

All: 1.368+/-0.000 χ^2/NDF: 1868544293410.

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: 2177806.3/35

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

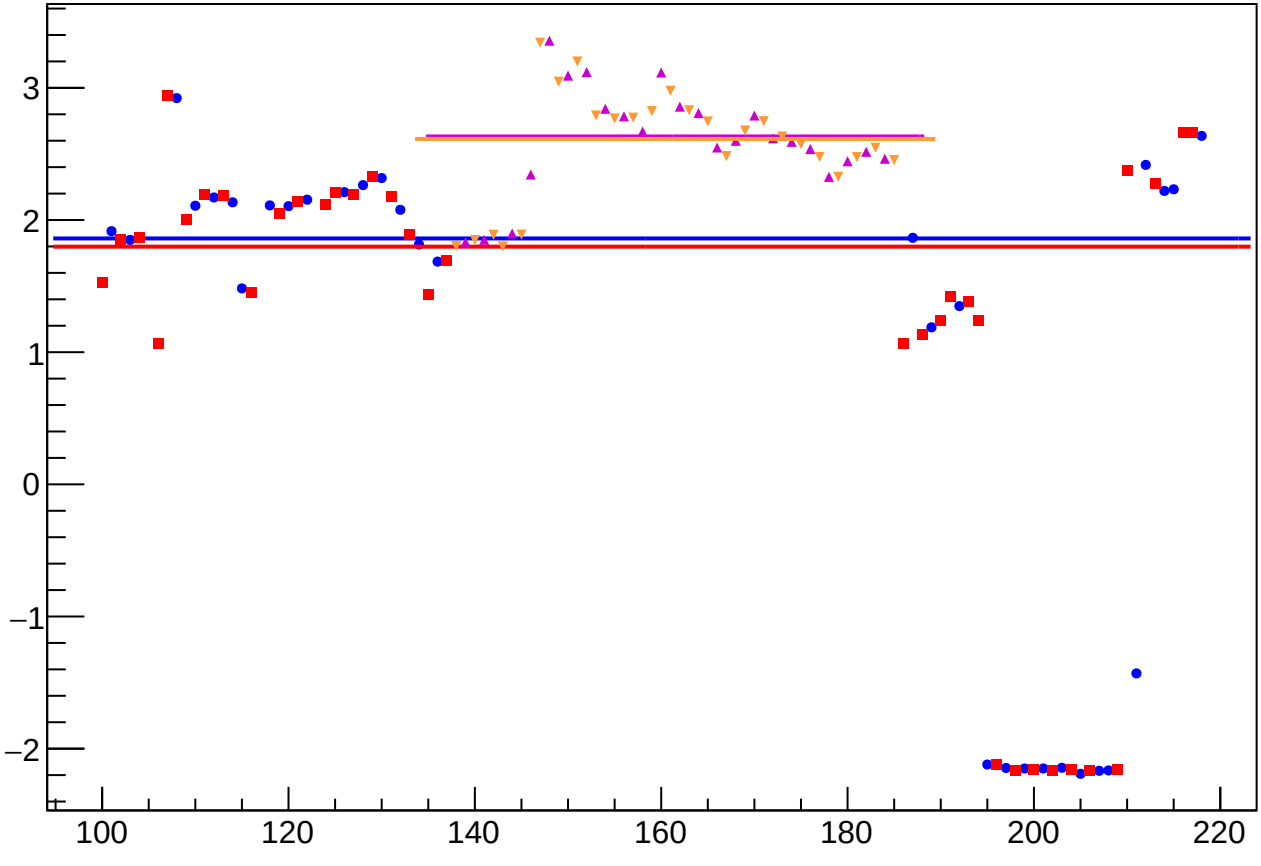
Right: 0.005+/-0.000 χ^2/NDF: 4551551.4/67

In: 0.005+/-0.000 χ^2/NDF:3190001.2/54

Out: 0.005+/-0.000 χ^2/NDF:2949765.2/60

All: 0.005+/-0.000 χ^2/NDF: 6140627.2/115

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: 1.799+/-0.000 χ^2/NDF: 173529338015.3/35

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

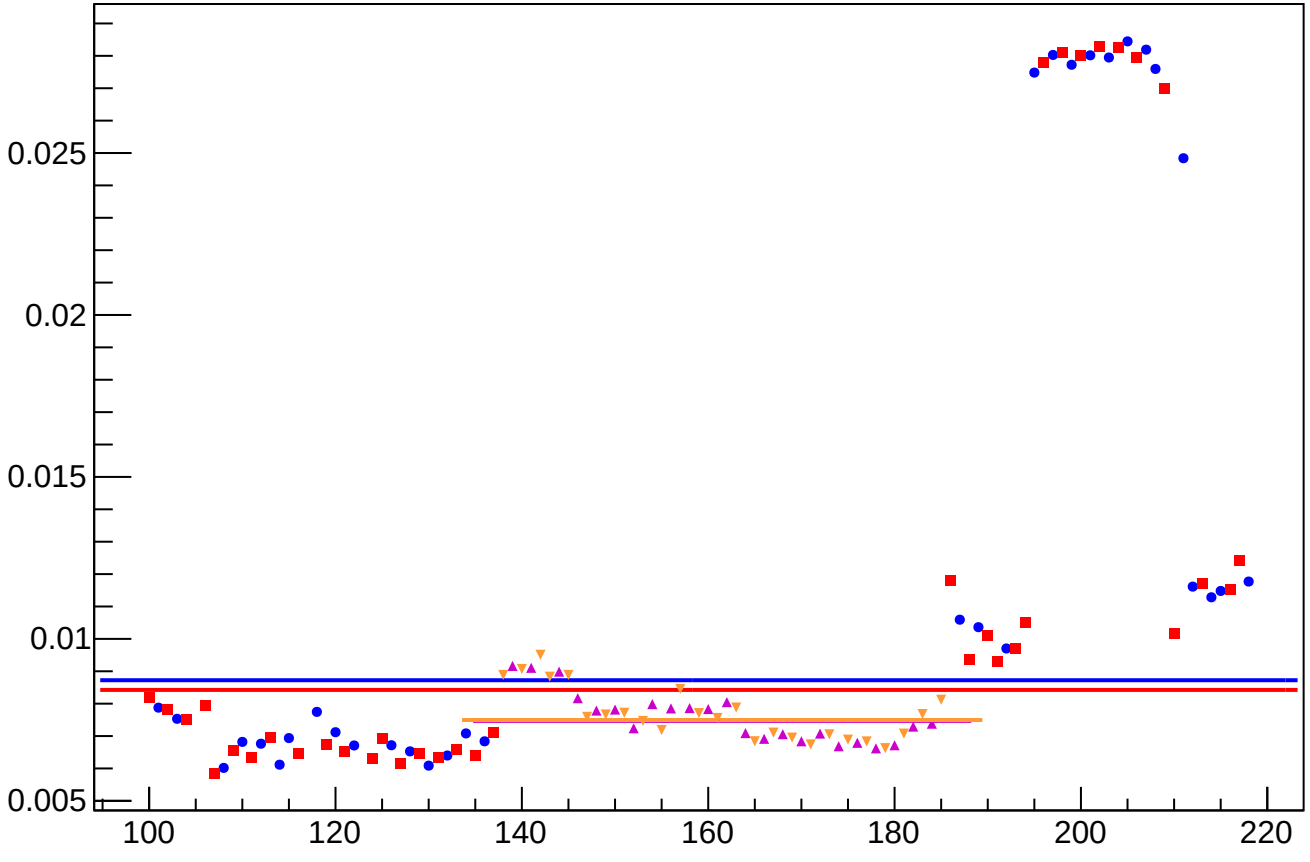
Right: 1.828+/-0.000 χ^2/NDF: 364006104879.1/67

In: 2.331+/-0.000 χ^2/NDF:302700244009.3/54

Out: 2.278+/-0.000 χ^2/NDF:308227442609.3/60

All: 2.304+/-0.000 χ^2/NDF: 611671533961.0

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: 0.008+/-0.000 χ^2/NDF: 7678858.2/35

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

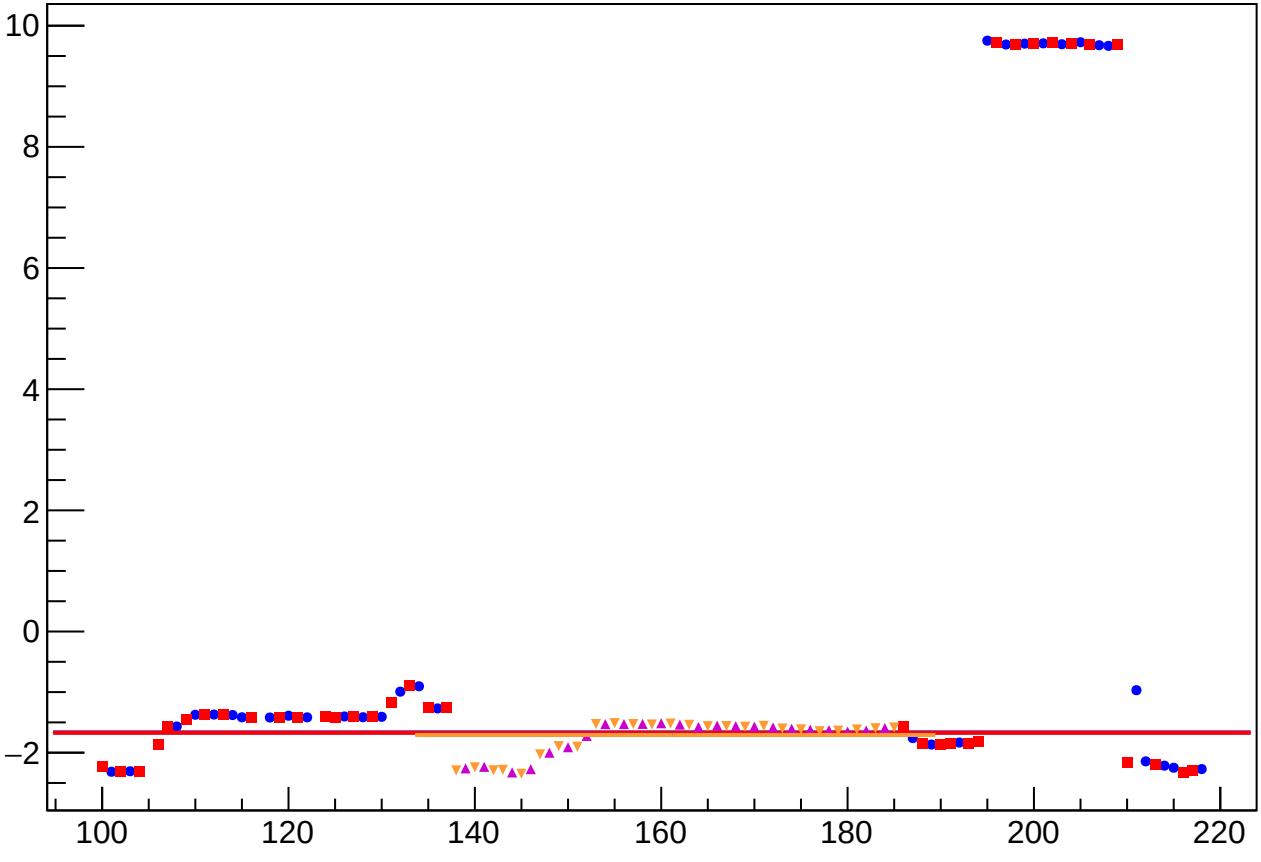
Right: 0.009+/-0.000 χ^2/NDF: 16463977.6/67

In: 0.008+/-0.000 χ^2/NDF:9470203.7/54

Out: 0.008+/-0.000 χ^2/NDF:8241276.9/60

All: 0.008+/-0.000 χ^2/NDF: 17714859.9/115

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: -1.670+/-0.000 χ^2/NDF: 464528920805.5/35

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

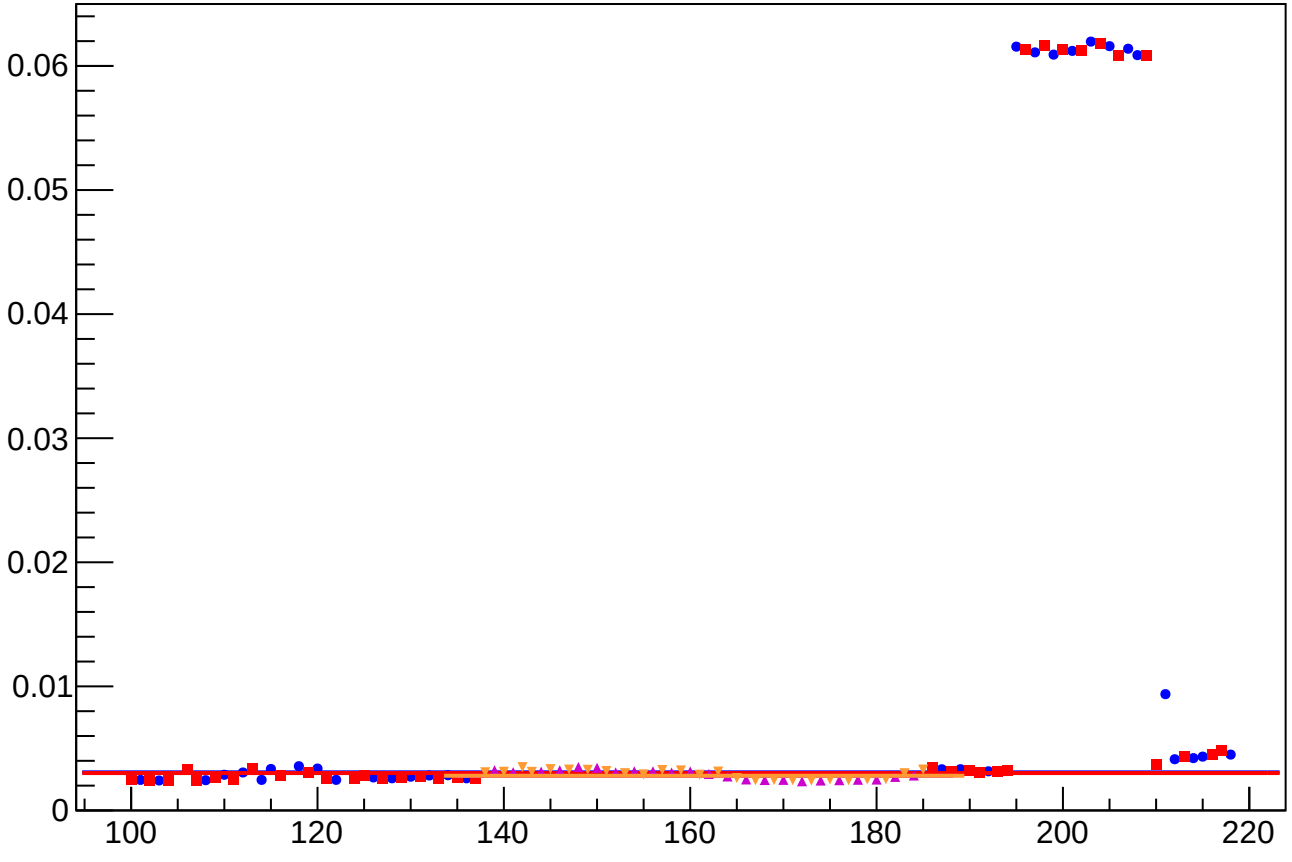
Right: -1.669+/-0.000 χ^2/NDF: 951029544170.4/67

In: -1.691+/-0.000 χ^2/NDF:624256849377.5/54

Out: -1.693+/-0.000 χ^2/NDF:617620416966.5/60

All: -1.692+/-0.000 χ^2/NDF: 1241883527585

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: 12155312.1/35

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

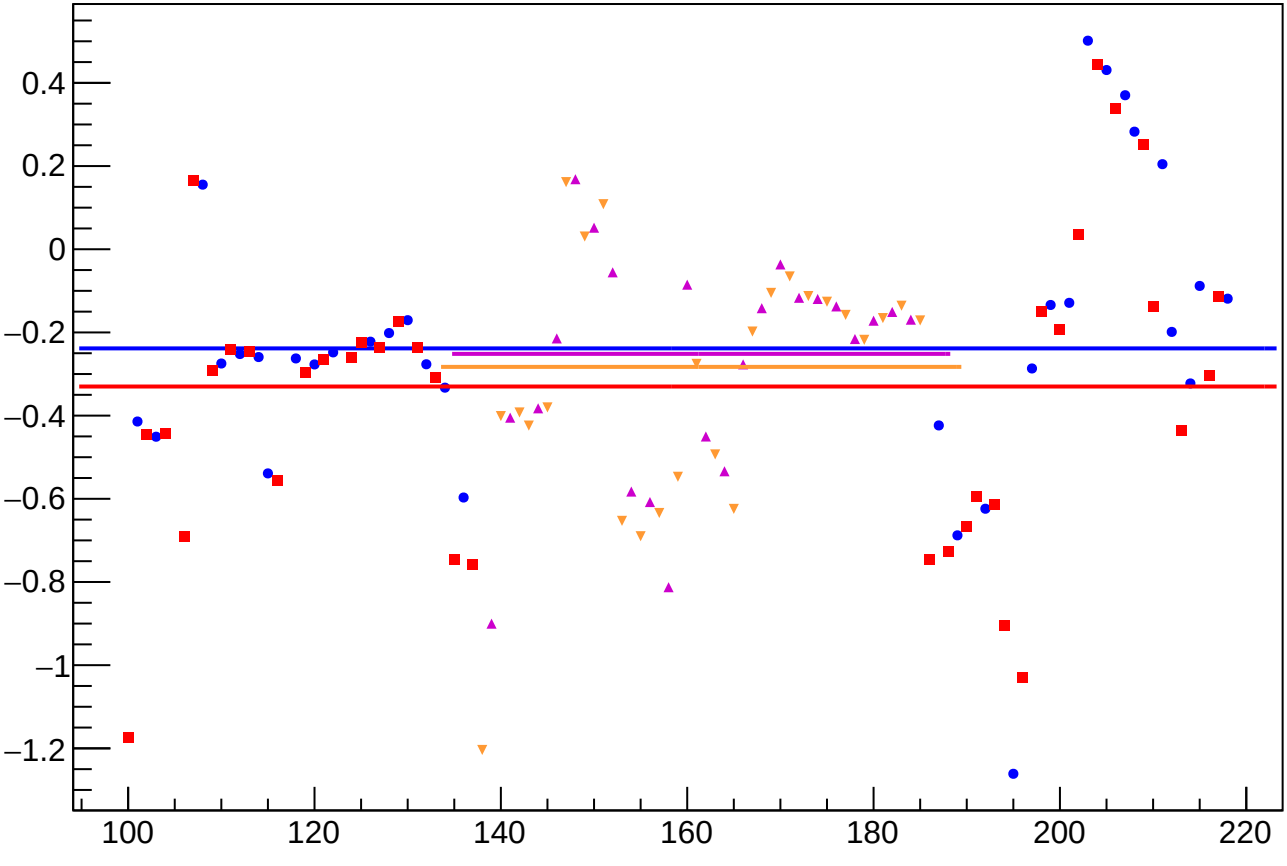
Right: 0.003+/-0.000 χ^2/NDF: 25797200.3/67

In: 0.003+/-0.000 χ^2/NDF:14327804.3/54

Out: 0.003+/-0.000 χ^2/NDF:12788701.5/60

All: 0.003+/-0.000 χ^2/NDF: 27116696.5/115

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: -0.330+/-0.000 χ^2/NDF: 9996967224.0/35

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

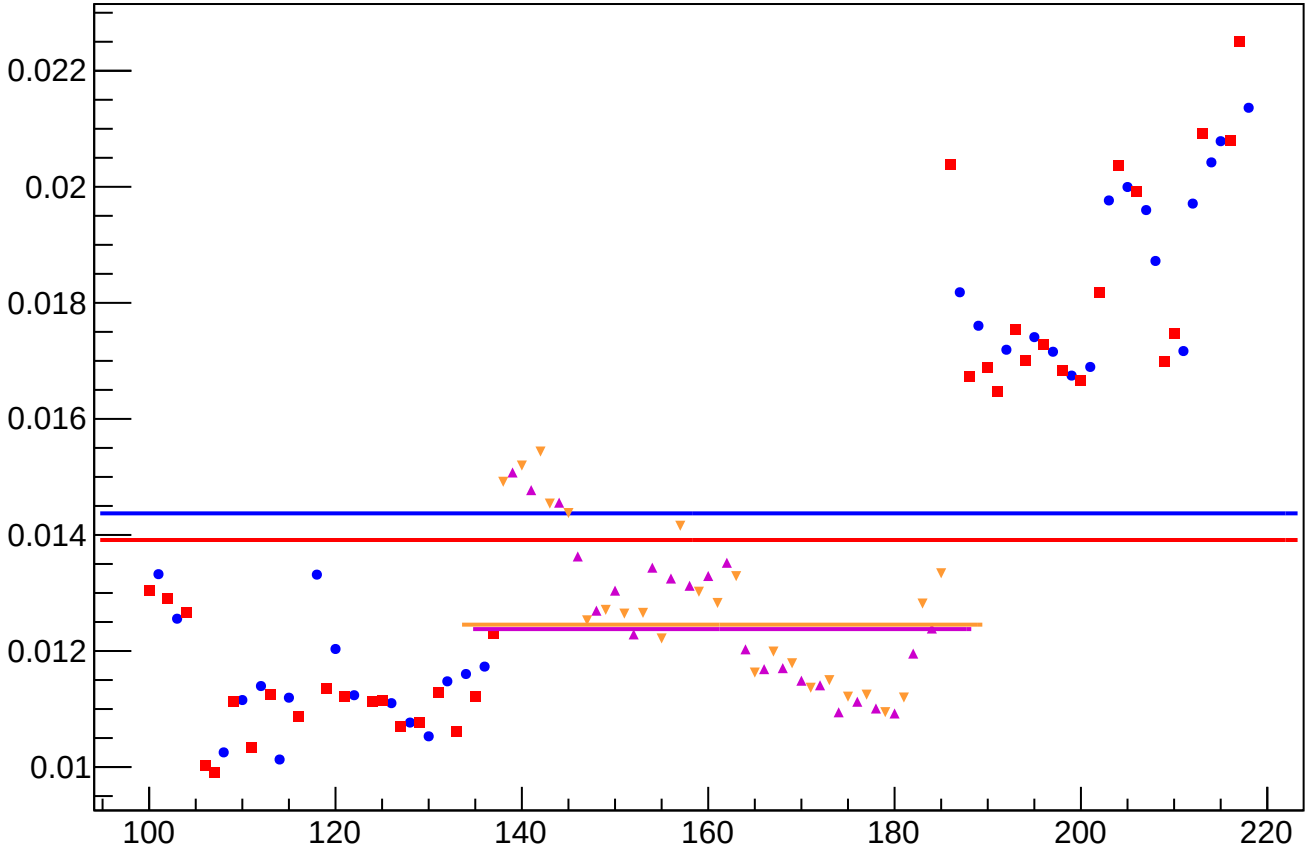
Right: -0.286+/-0.000 χ^2/NDF: 20183440148.4/67

In: -0.246+/-0.000 χ^2/NDF:16974132438.4/54

Out: -0.304+/-0.000 χ^2/NDF:19458836972.1/60

All: -0.276+/-0.000 χ^2/NDF: 36786763801.4/

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: 2541912.6/35

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

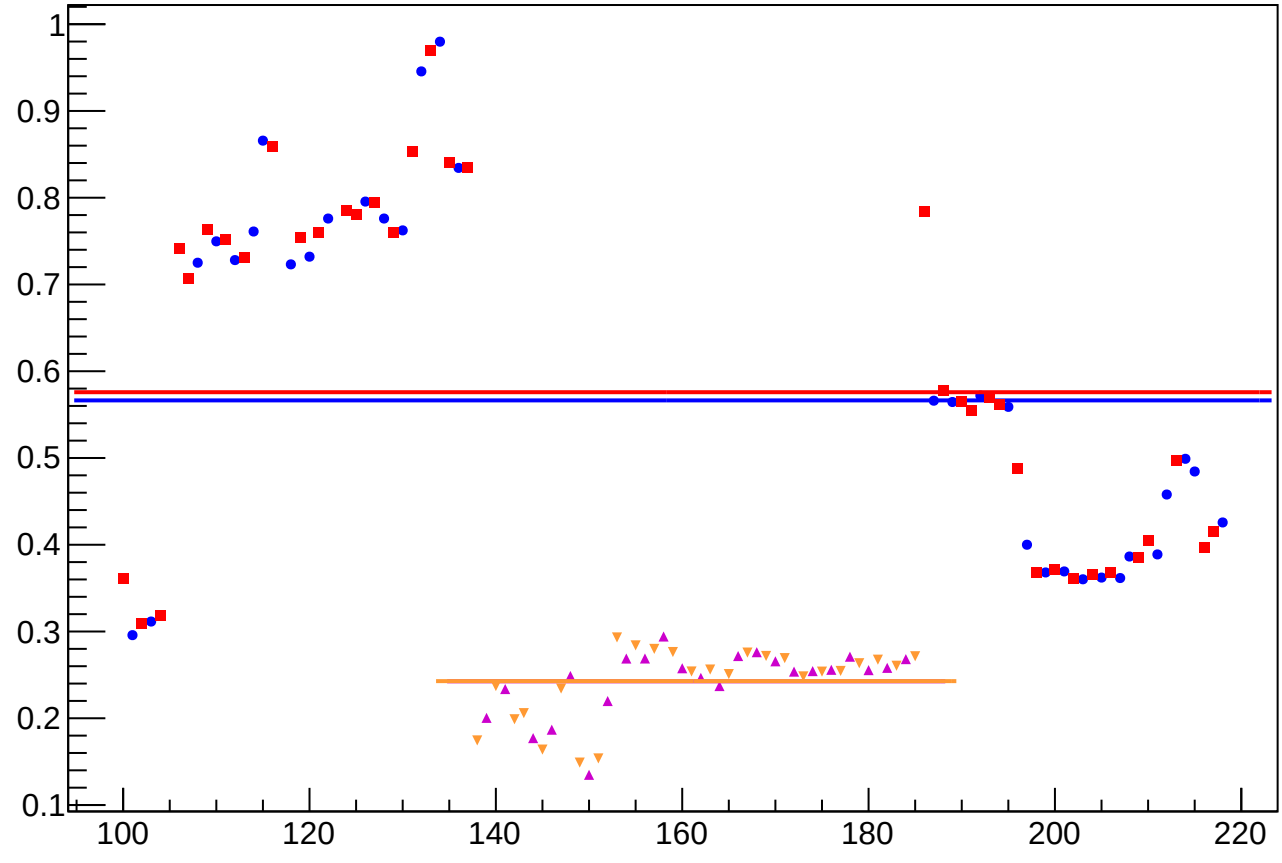
Right: 0.014+/-0.000 χ^2/NDF: 4882020.7/67

In: 0.013+/-0.000 χ^2/NDF:3042387.9/54

Out: 0.013+/-0.000 χ^2/NDF:3109298.3/60

All: 0.013+/-0.000 χ^2/NDF: 6155831.1/115

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: 0.576+/-0.000 χ^2/NDF: 96740587872.4/35

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

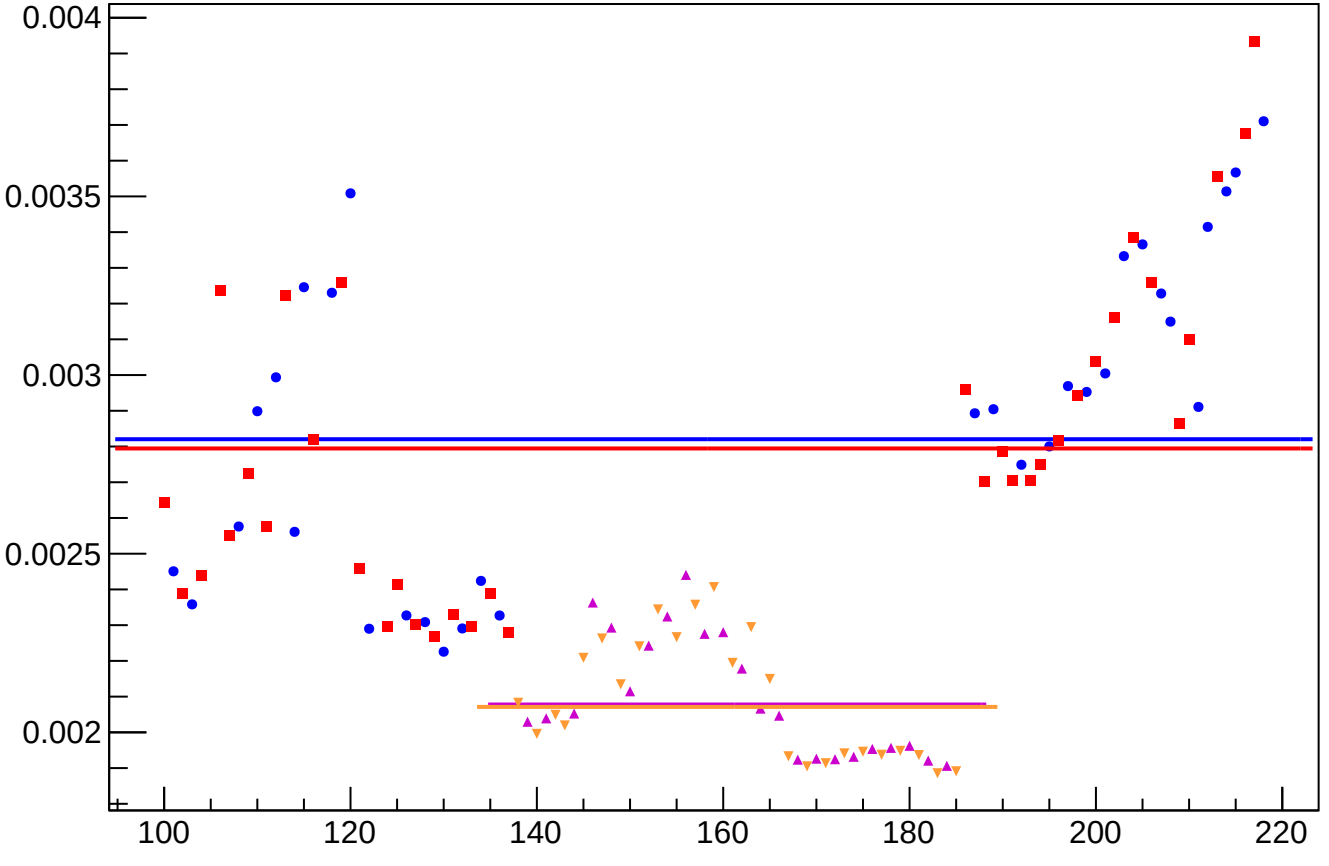
Right: 0.571+/-0.000 χ^2/NDF: 197041978926.3/67

In: 0.360+/-0.000 χ^2/NDF:265821468962.9/54

Out: 0.363+/-0.000 χ^2/NDF:281619659329.1/60

All: 0.362+/-0.000 χ^2/NDF: 547458126433.1

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: 829676.3/35

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

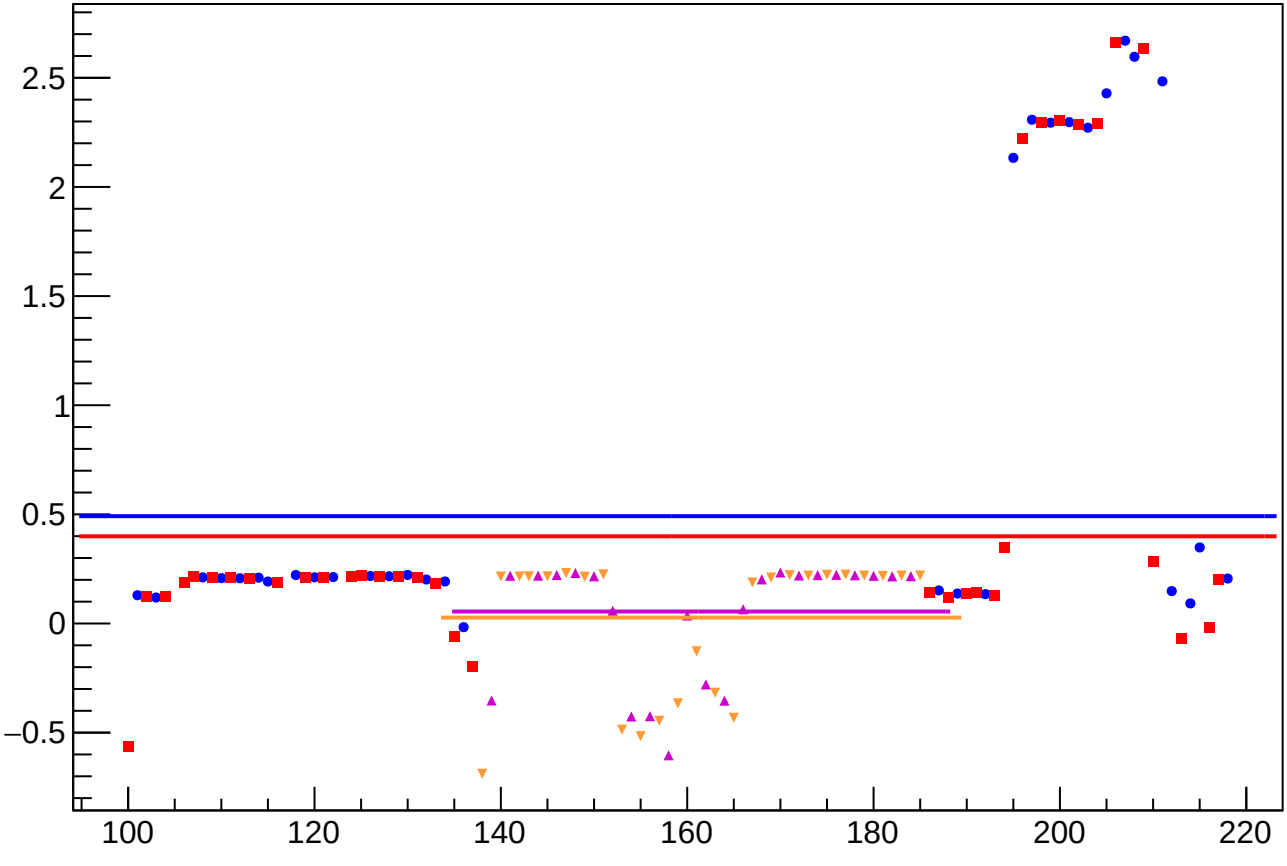
Right: 0.003+/-0.000 χ^2/NDF: 1751053.4/67

In: 0.002+/-0.000 χ^2/NDF:2812580.5/54

Out: 0.002+/-0.000 χ^2/NDF:2738960.9/60

All: 0.002+/-0.000 χ^2/NDF: 5553396.4/115

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: 0.399+/-0.000 χ^2/NDF: 55220795495.1/35

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

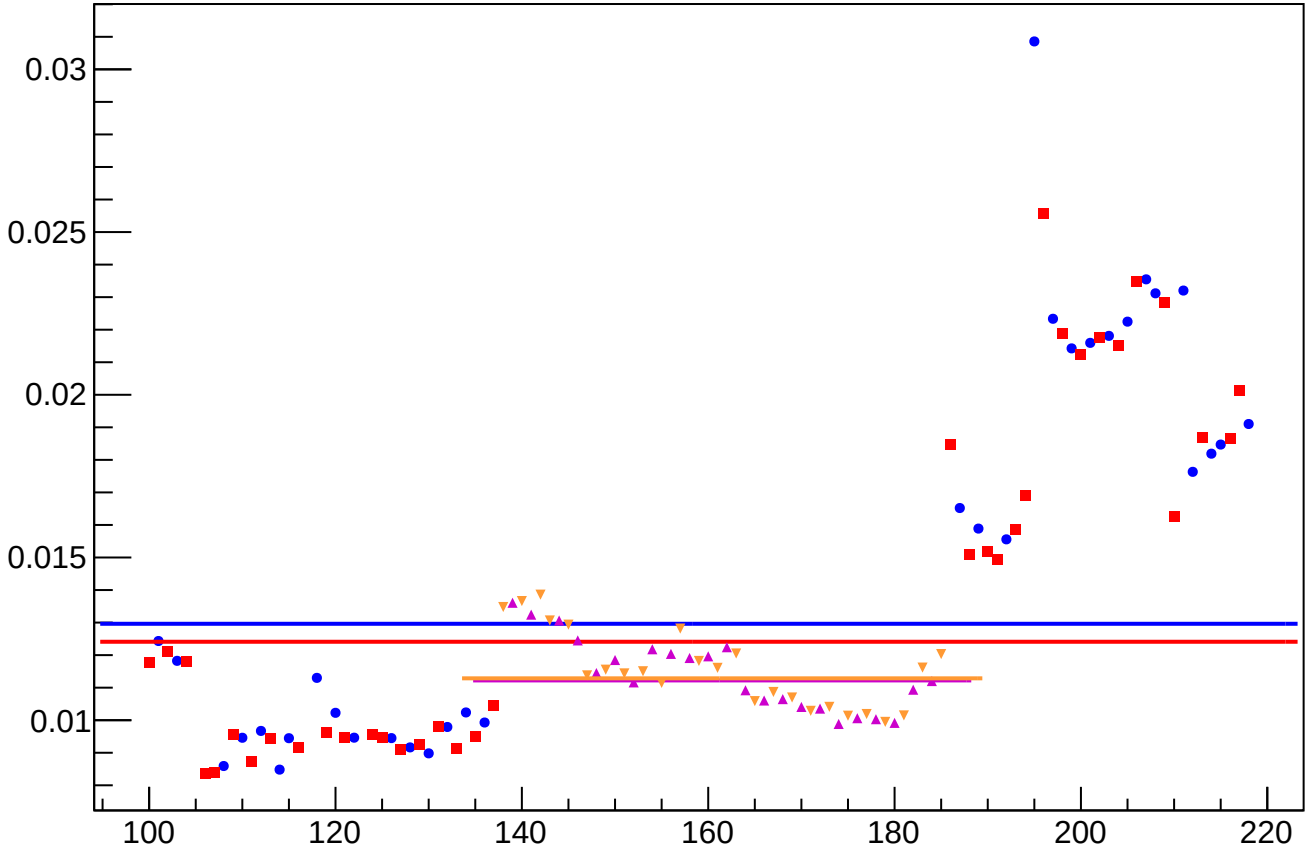
Right: 0.443+/-0.000 χ^2/NDF: 117640382058.5/67

In: 0.240+/-0.000 χ^2/NDF:82801609501.8/54

Out: 0.192+/-0.000 χ^2/NDF:77017224657.0/60

All: 0.215+/-0.000 χ^2/NDF: 160105367500.9

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: 0.012+/-0.000 χ^2/NDF: 4939538.6/35

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

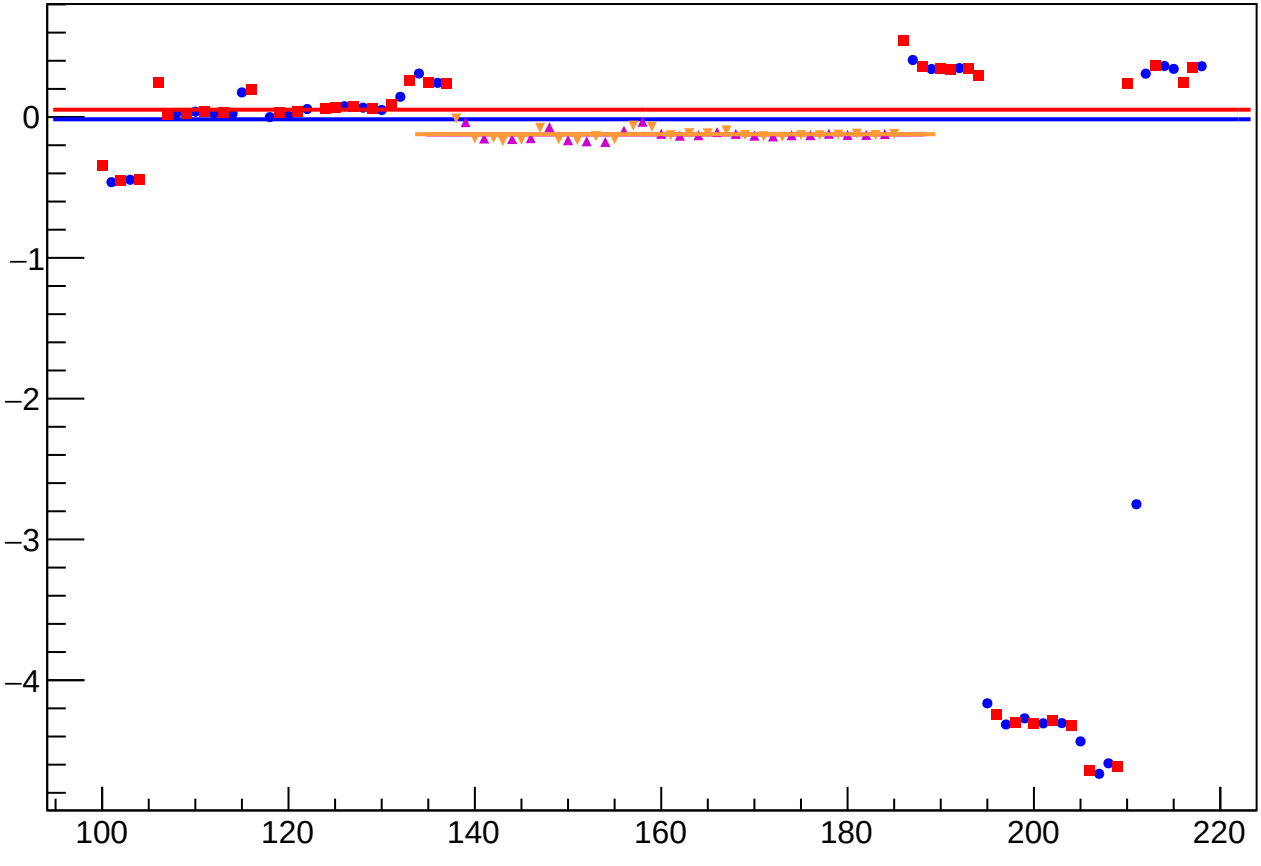
Right: 0.013+/-0.000 χ^2/NDF: 10133775.2/67

In: 0.012+/-0.000 χ^2/NDF:5830164.5/54

Out: 0.012+/-0.000 χ^2/NDF:5428483.8/60

All: 0.012+/-0.000 χ^2/NDF: 11266336.2/115

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: 0.053+/-0.000 χ^2/NDF: 403308953032.6/35

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

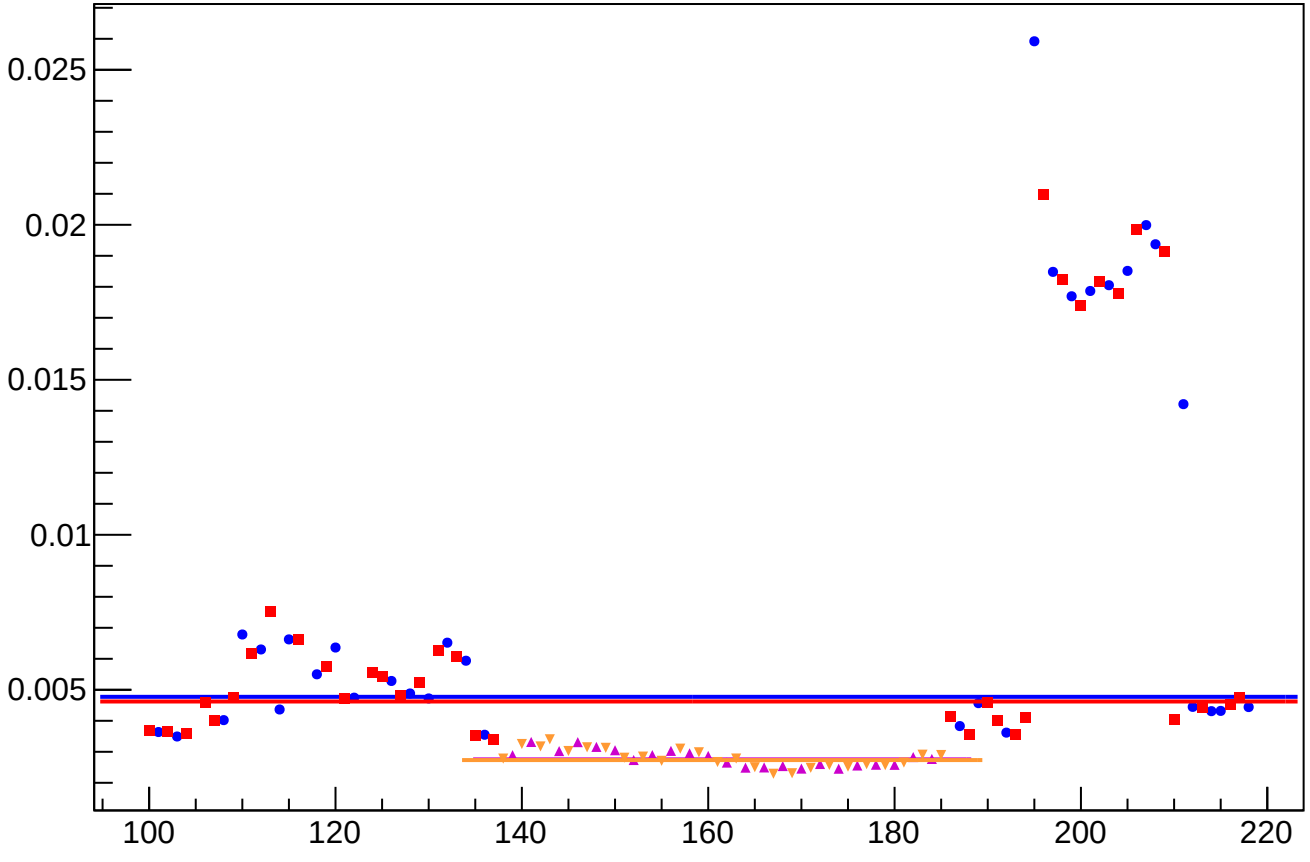
Right: 0.021+/-0.000 χ^2/NDF: 848845342635.4/67

In: -0.100+/-0.000 χ^2/NDF:452499958747.9/54

Out: -0.082+/-0.000 χ^2/NDF:423052829990.2/60

All: -0.091+/-0.000 χ^2/NDF: 876045166002.4

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: 8011069.2/35

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

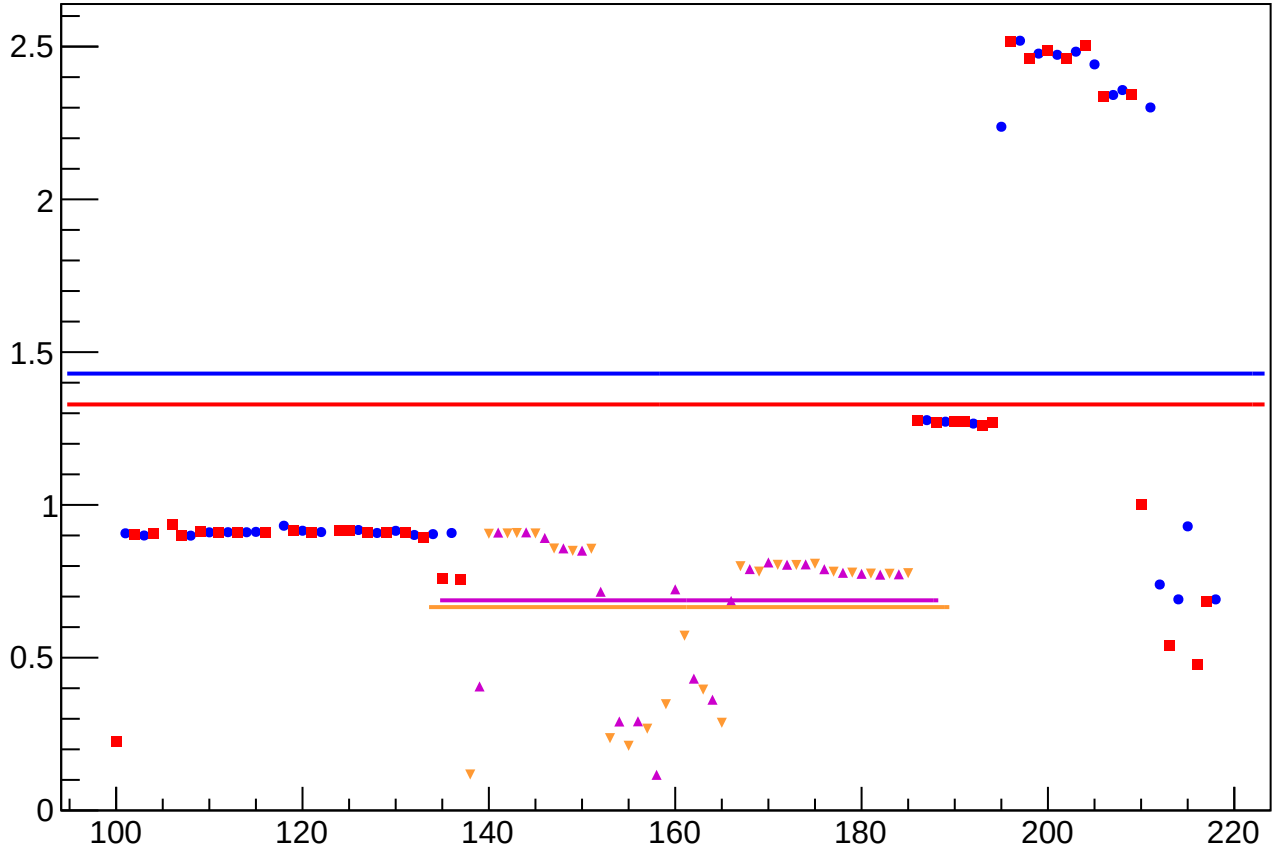
Right: 0.005+/-0.000 χ^2/NDF: 17383332.5/67

In: 0.003+/-0.000 χ^2/NDF:13642734.5/54

Out: 0.003+/-0.000 χ^2/NDF:12358356.1/60

All: 0.003+/-0.000 χ^2/NDF: 26003900.4/115

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: 1.329+/-0.000 χ^2/NDF: 56313108273.8/35

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

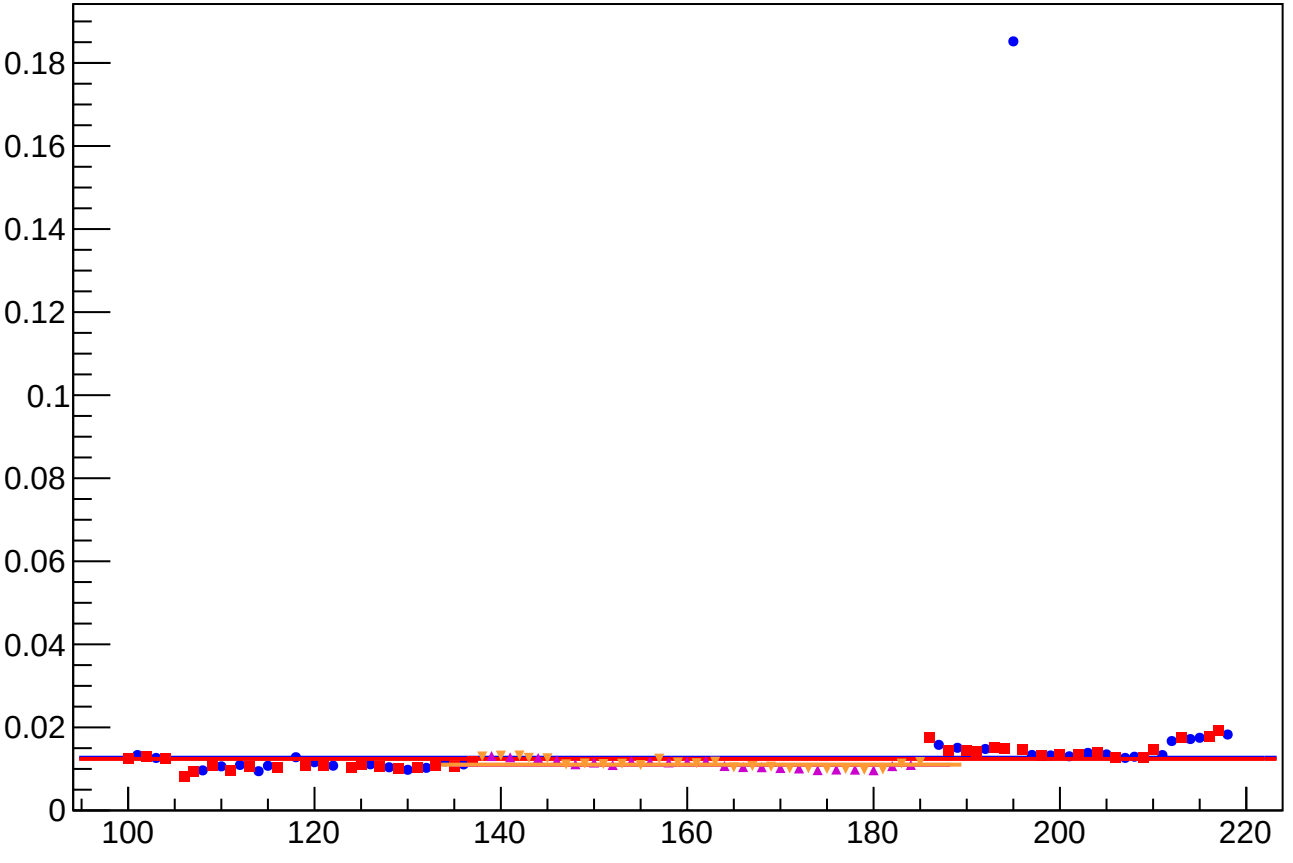
Right: 1.377+/-0.000 χ^2/NDF: 115094982770.7/67

In: 1.013+/-0.000 χ^2/NDF:100163376284.8/54

Out: 0.961+/-0.000 χ^2/NDF:95236058300.4/60

All: 0.986+/-0.000 χ^2/NDF: 195746148727.8

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: 0.012+/-0.000 χ^2/NDF: 1364877.2/35

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

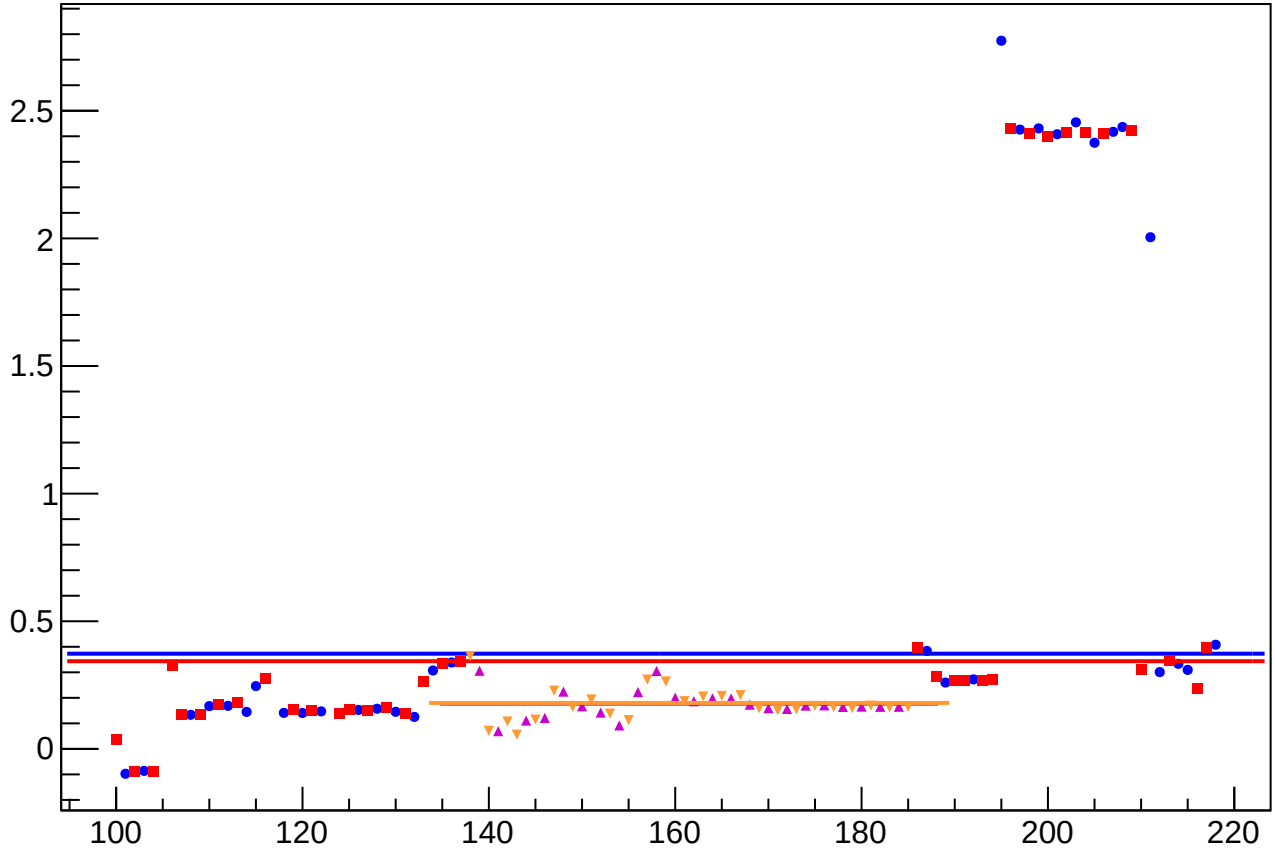
Right: 0.013+/-0.000 χ^2/NDF: 3945371.5/67

In: 0.012+/-0.000 χ^2/NDF:3238497.9/54

Out: 0.012+/-0.000 χ^2/NDF:1921514.3/60

All: 0.012+/-0.000 χ^2/NDF: 5161607.2/115

yield_bpm0l09Y_mean vs Slug, Sign Corrected



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: 0.343+/-0.000 χ^2/NDF: 163930548914.8/35

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

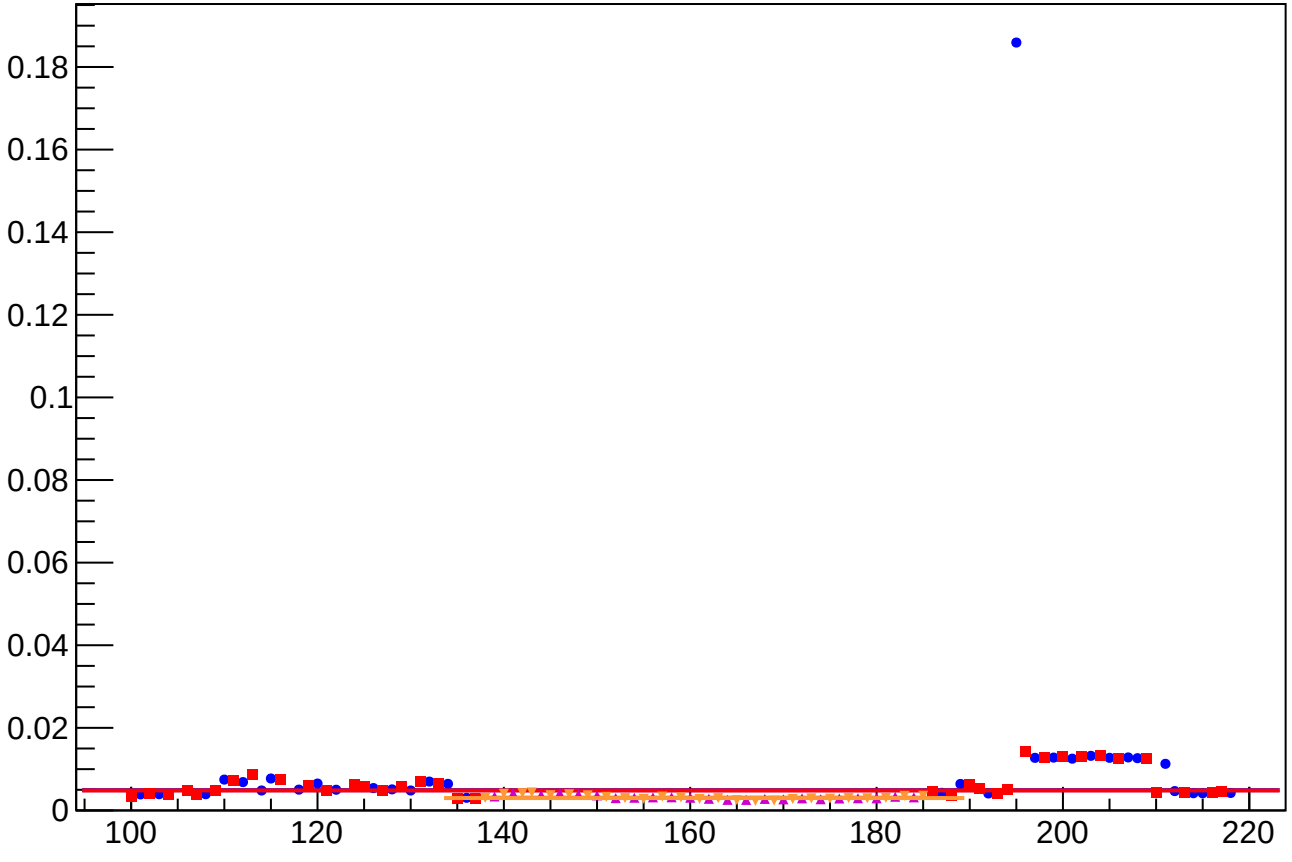
Right: 0.358+/-0.000 χ^2/NDF: 355729500111.4/67

In: 0.227+/-0.000 χ^2/NDF:213473284655.4/54

Out: 0.221+/-0.000 χ^2/NDF:183493417949.7/60

All: 0.224+/-0.000 χ^2/NDF: 397012678705.8

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: 5974288.5/35

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

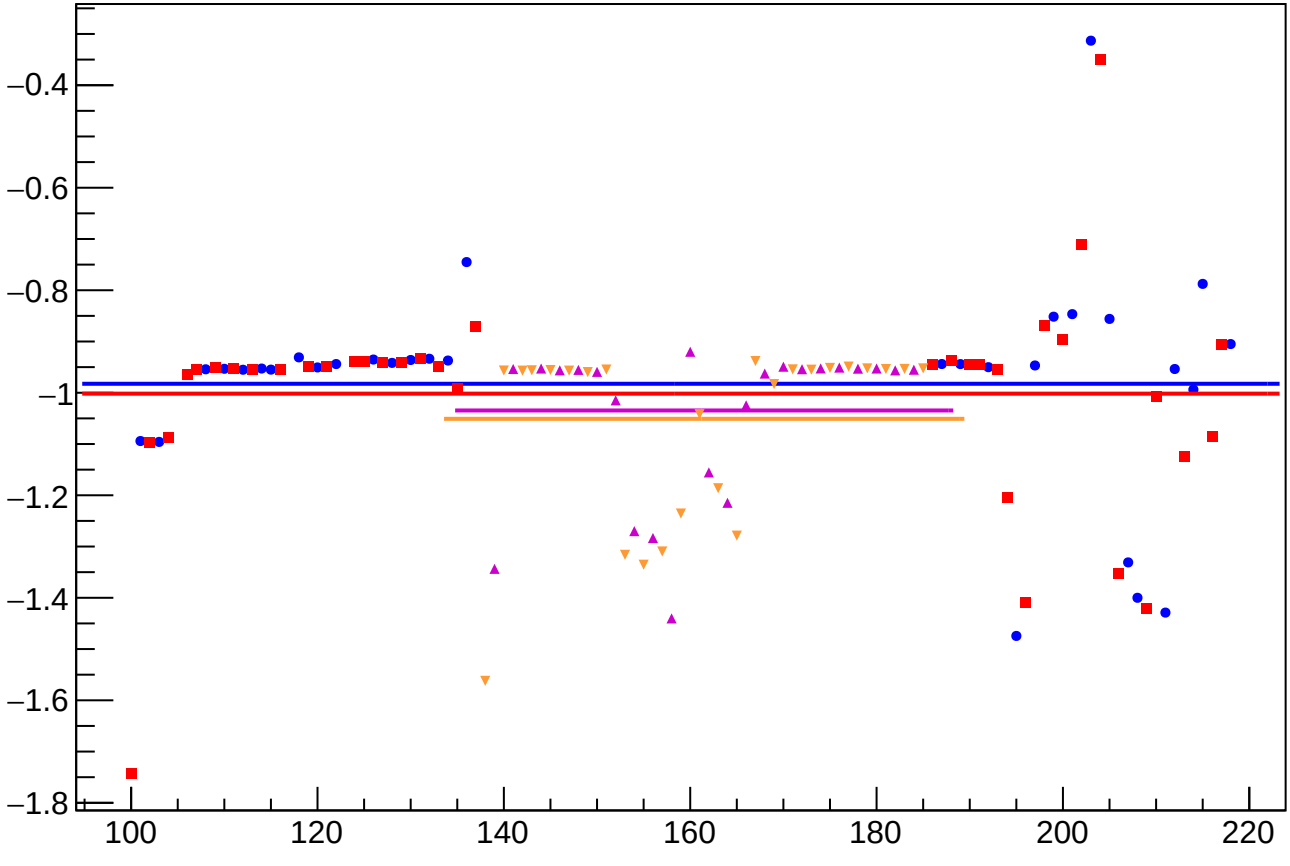
Right: 0.005+/-0.000 χ^2/NDF: 13956934.5/67

In: 0.004+/-0.000 χ^2/NDF:11612784.1/54

Out: 0.003+/-0.000 χ^2/NDF:10215981.9/60

All: 0.004+/-0.000 χ^2/NDF: 21843285.1/115

yield_bpm0l10X_mean vs Slug, Sign Corrected



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: -1.002+/-0.000 χ^2/NDF: 5120324962.1/35

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

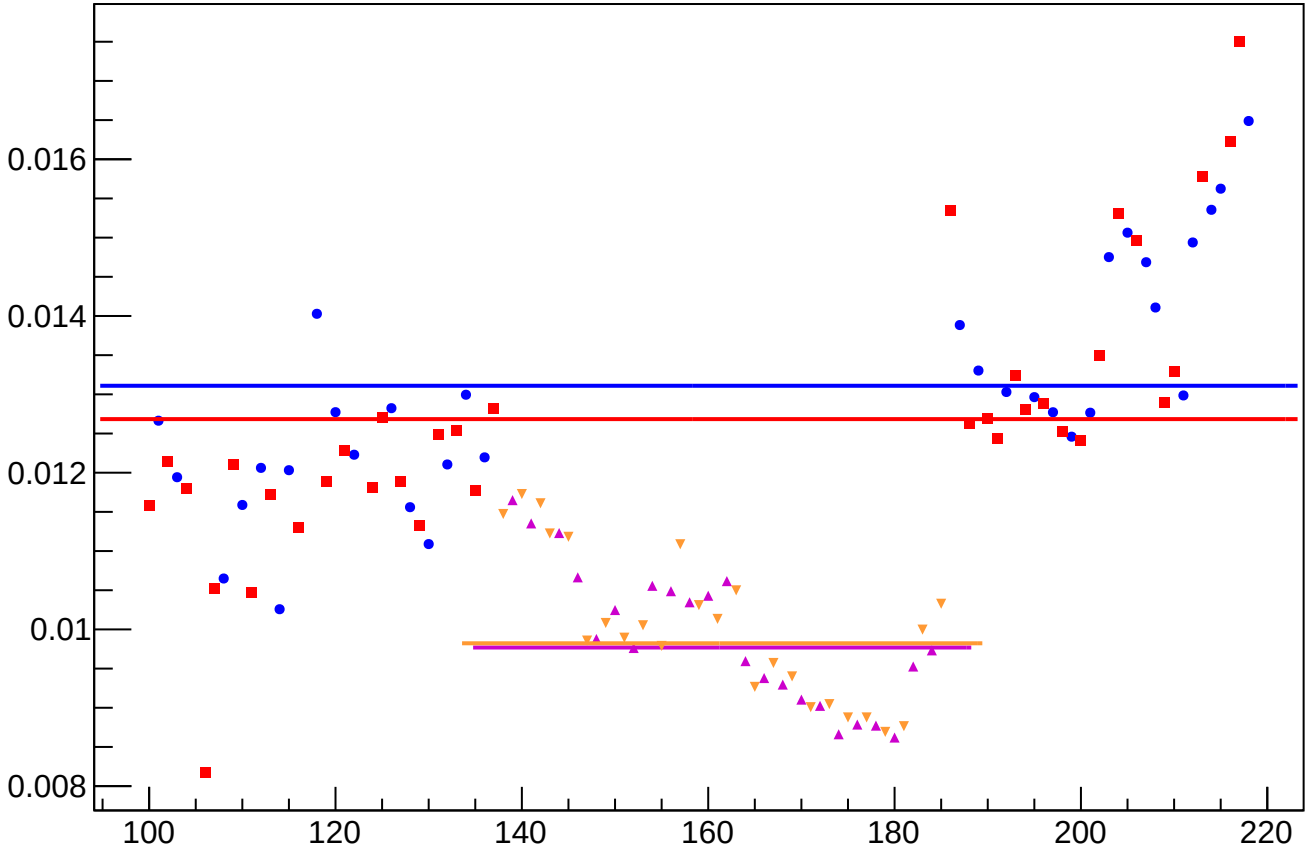
Right: -0.993+/-0.000 χ^2/NDF: 11132085699.3/67

In: -1.015+/-0.000 χ^2/NDF:10104319145.8/54

Out: -1.032+/-0.000 χ^2/NDF:10382483757.8/60

All: -1.024+/-0.000 χ^2/NDF: 20530223656.1/

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: 691895.8/35

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

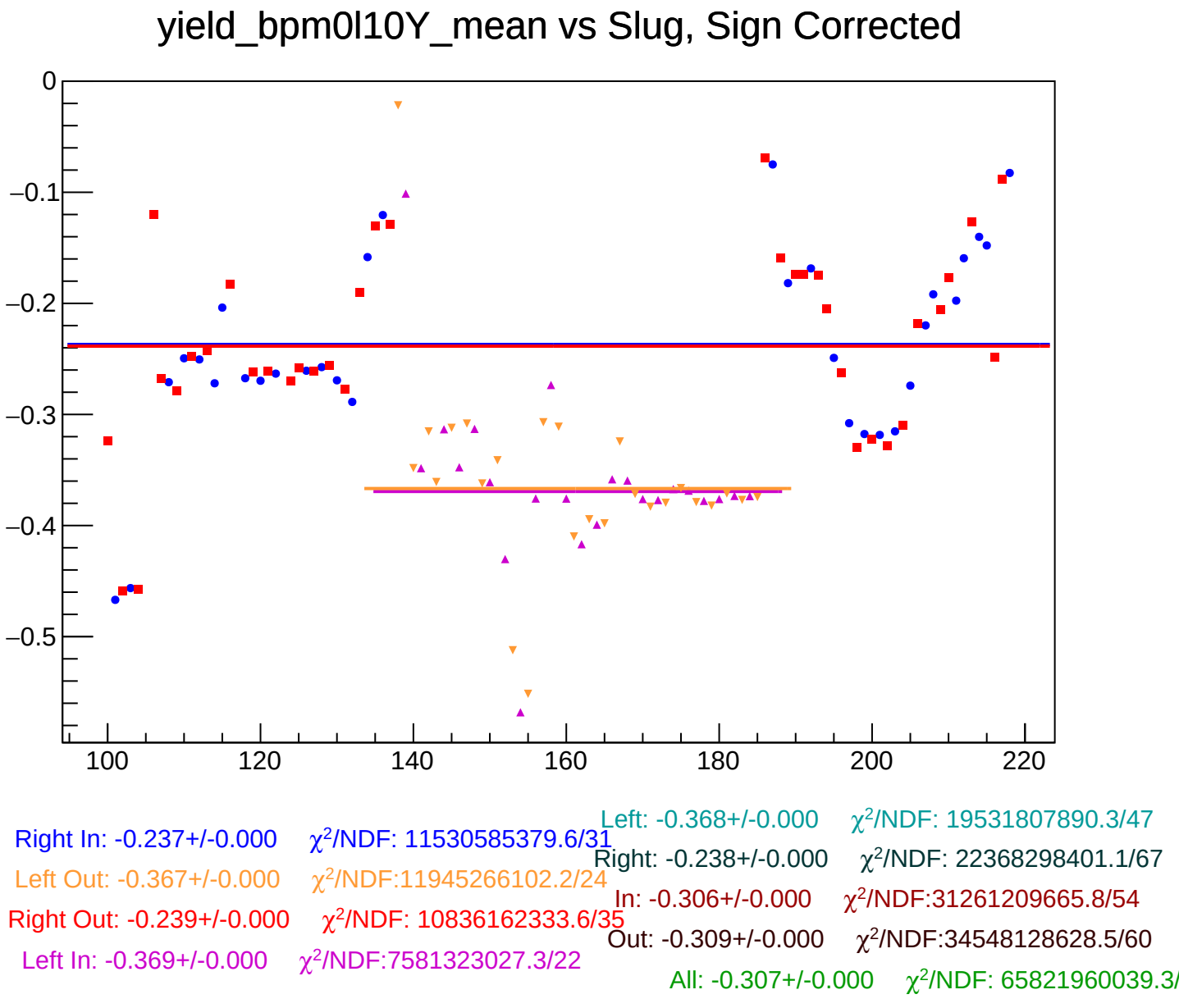
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

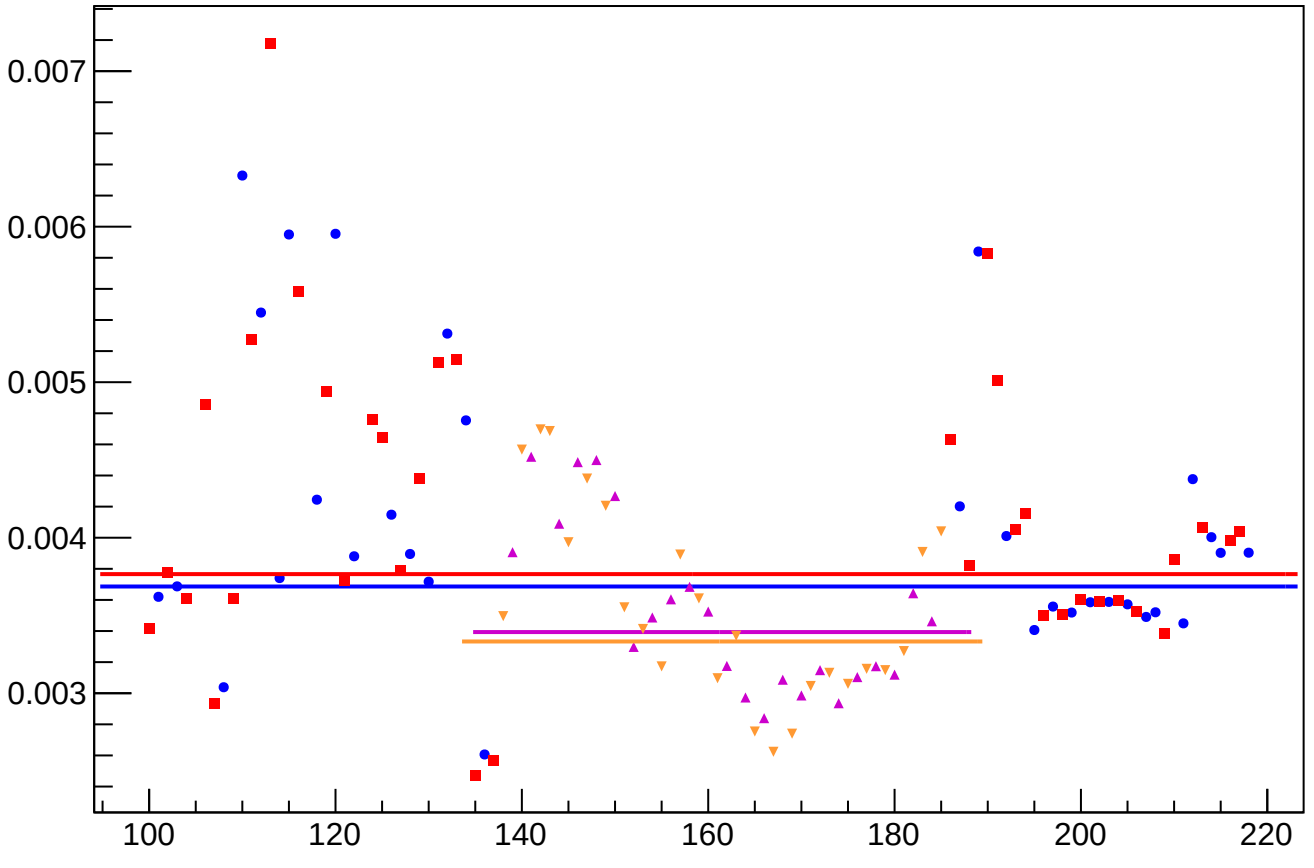
Right: 0.013+/-0.000 χ^2/NDF: 1144214.4/67

In: 0.011+/-0.000 χ^2/NDF:2263185.4/54

Out: 0.011+/-0.000 χ^2/NDF:2206203.2/60

All: 0.011+/-0.000 χ^2/NDF: 4472169.3/115


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: -0.239+/-0.000 χ²/NDF: 10836162333.6/35
Left In: -0.369+/-0.000 χ²/NDF:7581323027.3/22
Left: -0.368+/-0.000 χ²/NDF: 19531807890.3/47
Right: -0.238+/-0.000 χ²/NDF: 22368298401.1/67
In: -0.306+/-0.000 χ²/NDF:31261209665.8/54
Out: -0.309+/-0.000 χ²/NDF:34548128628.5/60
All: -0.307+/-0.000 χ²/NDF: 65821960039.3/



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: 1135676.7/35

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

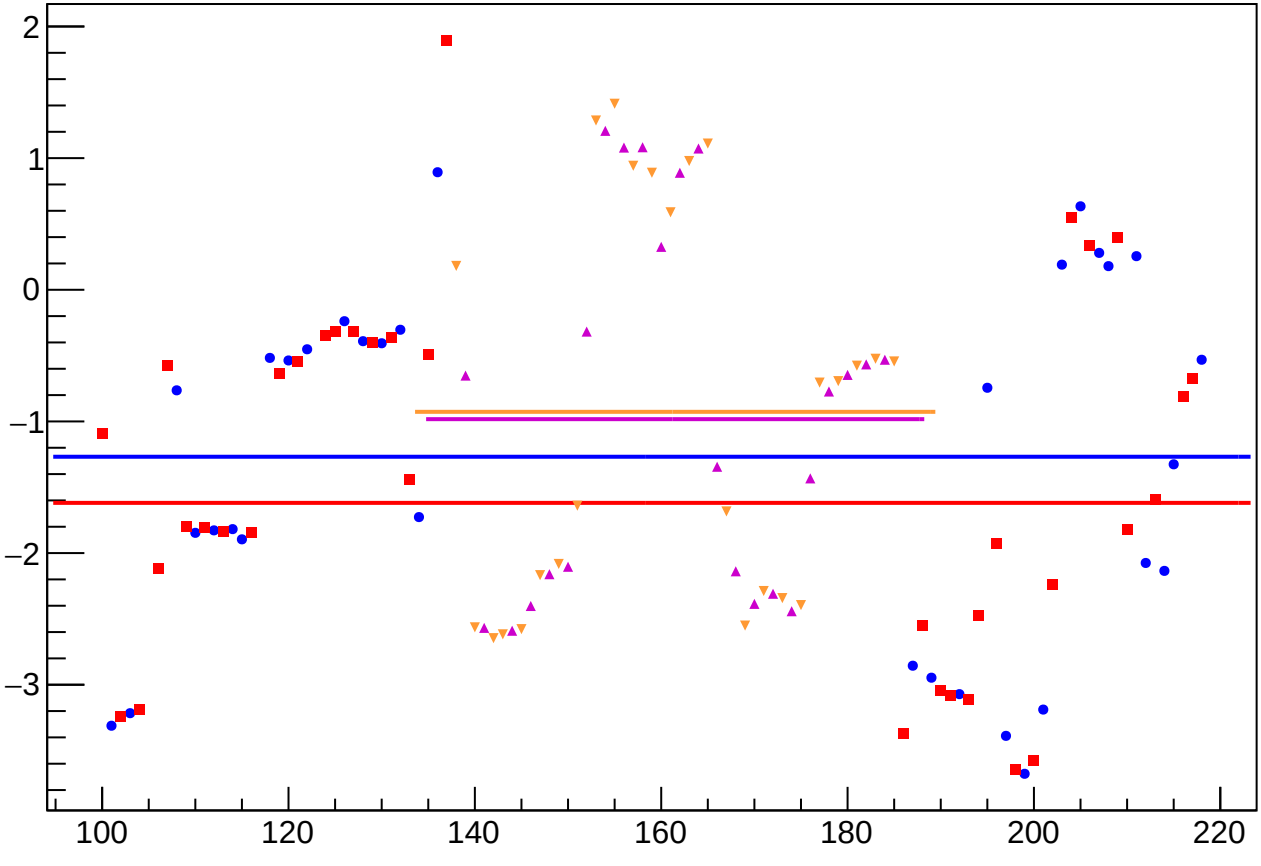
Right: 0.004+/-0.000 χ^2/NDF: 2126045.8/67

In: 0.004+/-0.000 χ^2/NDF:1734692.7/54

Out: 0.004+/-0.000 χ^2/NDF:2262219.7/60

All: 0.004+/-0.000 χ^2/NDF: 3996990.1/115

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: -1.619+/-0.000 χ^2/NDF: 6165618788.6/35

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

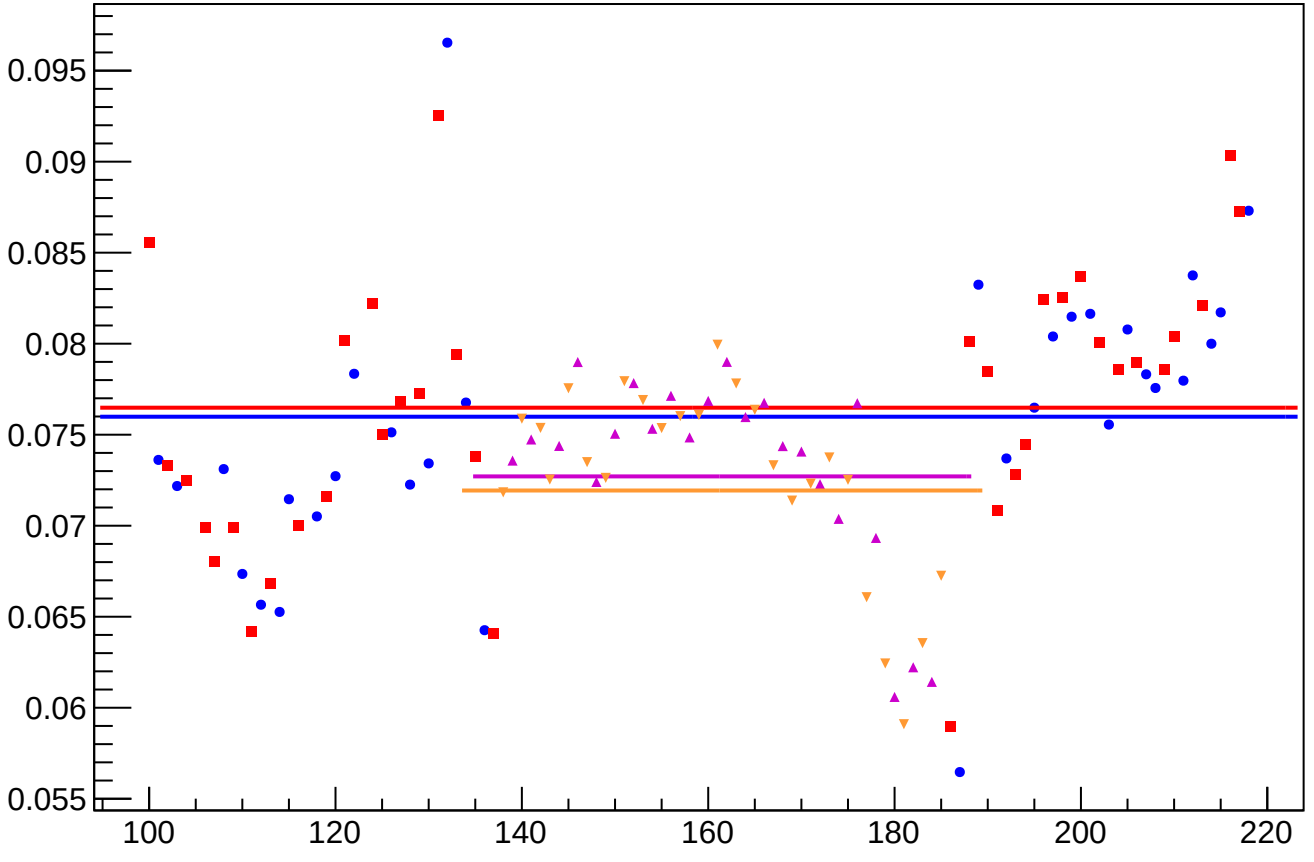
Right: -1.445+/-0.000 χ^2/NDF: 13527818861.7/67

In: -1.126+/-0.000 χ^2/NDF:13208634145.9/54

Out: -1.263+/-0.000 χ^2/NDF:14265840930.7/60

All: -1.196+/-0.000 χ^2/NDF: 27539604667.1/

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: 0.076+/-0.000 χ^2/NDF: 330184.4/35

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

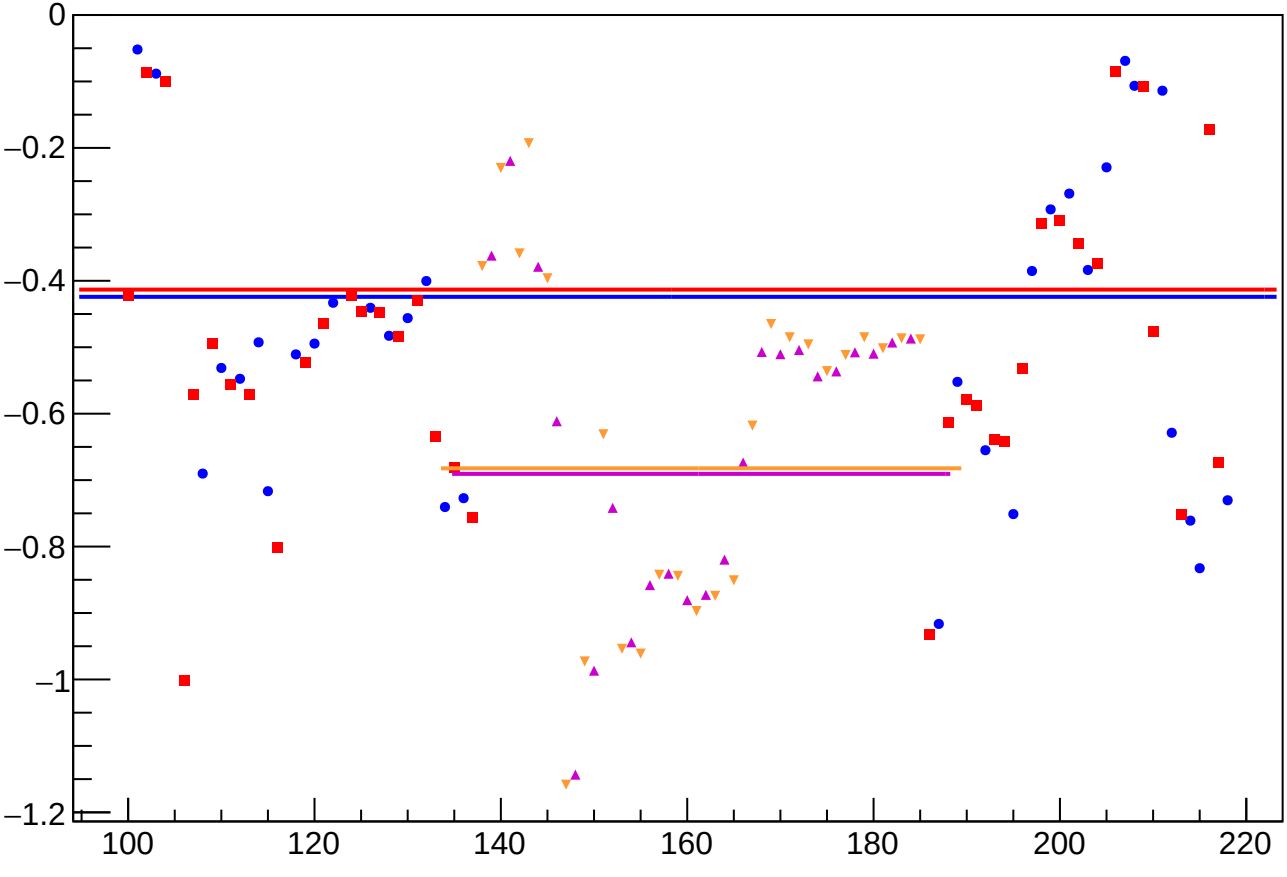
Right: 0.076+/-0.000 χ^2/NDF: 625624.6/67

In: 0.074+/-0.000 χ^2/NDF:528178.4/54

Out: 0.074+/-0.000 χ^2/NDF:639404.8/60

All: 0.074+/-0.000 χ^2/NDF: 1167896.0/115

yield_bpm0r03Y_mean vs Slug, Sign Corrected



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: -0.413+/-0.000 χ^2/NDF: 13942526361.2/35

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

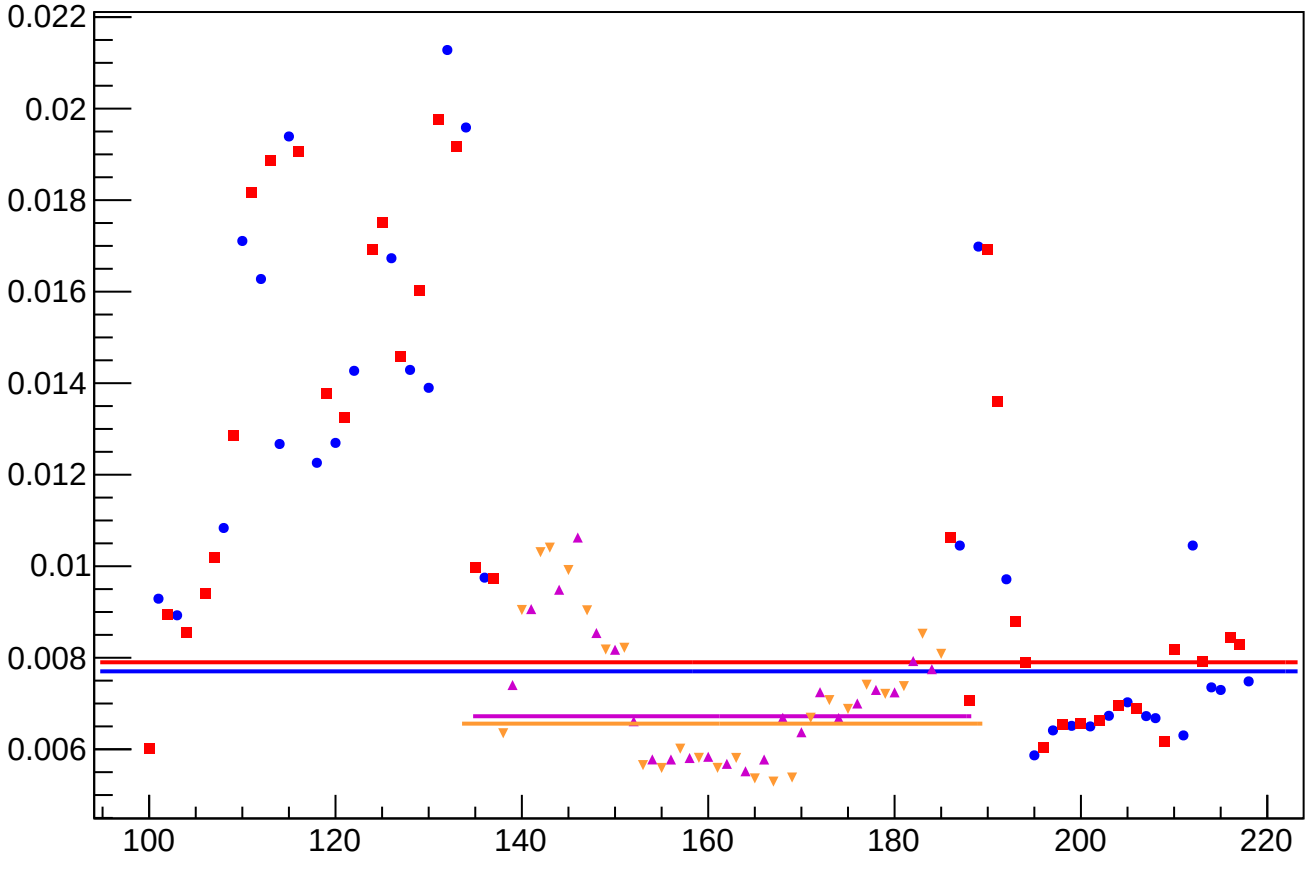
Right: -0.419+/-0.000 χ^2/NDF: 34733508015.6/67

In: -0.573+/-0.000 χ^2/NDF:49191076820.7/54

Out: -0.574+/-0.000 χ^2/NDF:47688951105.5/60

All: -0.573+/-0.000 χ^2/NDF: 96880069482.7/

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: 3266758.5/35

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

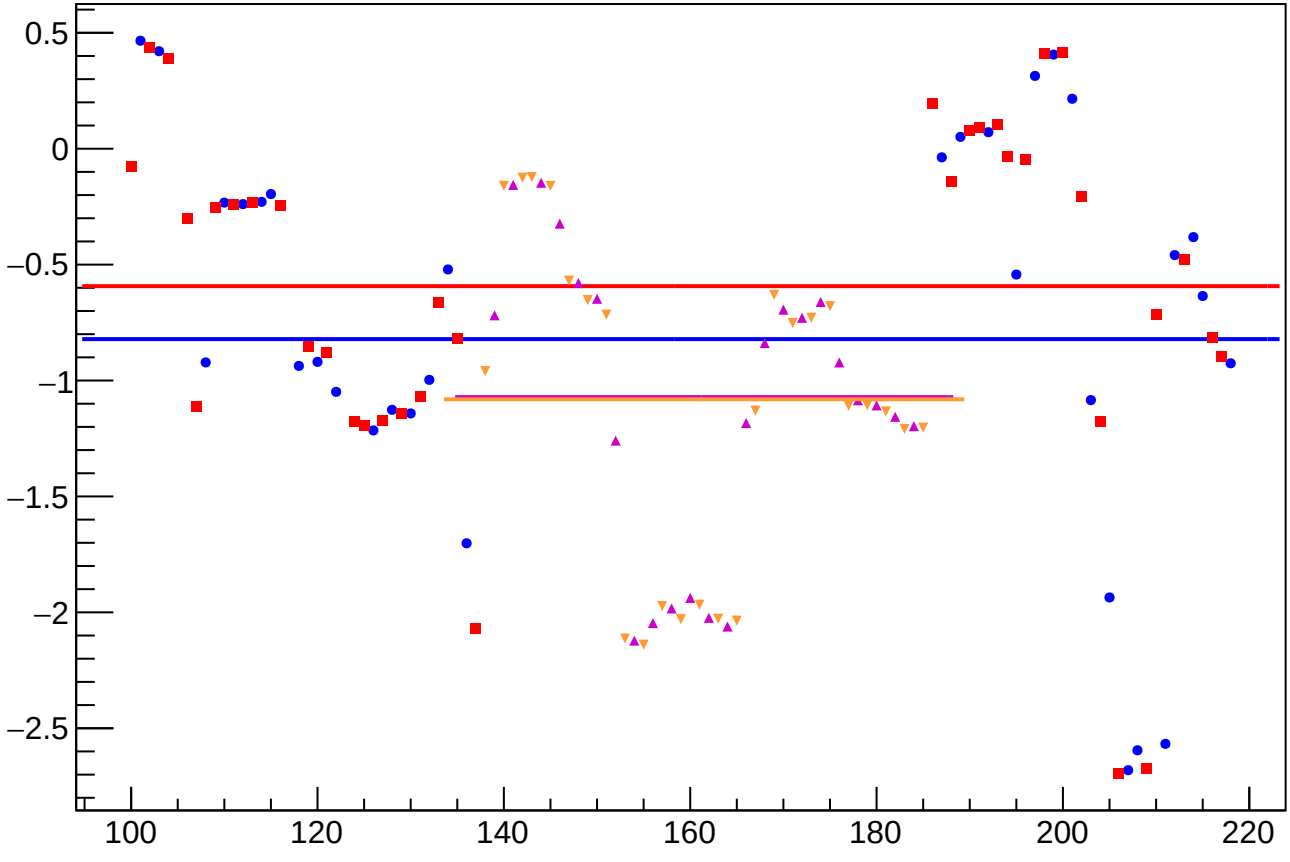
Right: 0.008+/-0.000 χ^2/NDF: 6472236.7/67

In: 0.007+/-0.000 χ^2/NDF:4468294.2/54

Out: 0.007+/-0.000 χ^2/NDF:5263718.9/60

All: 0.007+/-0.000 χ^2/NDF: 9733838.8/115

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: -0.593+/-0.000 χ^2/NDF: 1672744796.7/35

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

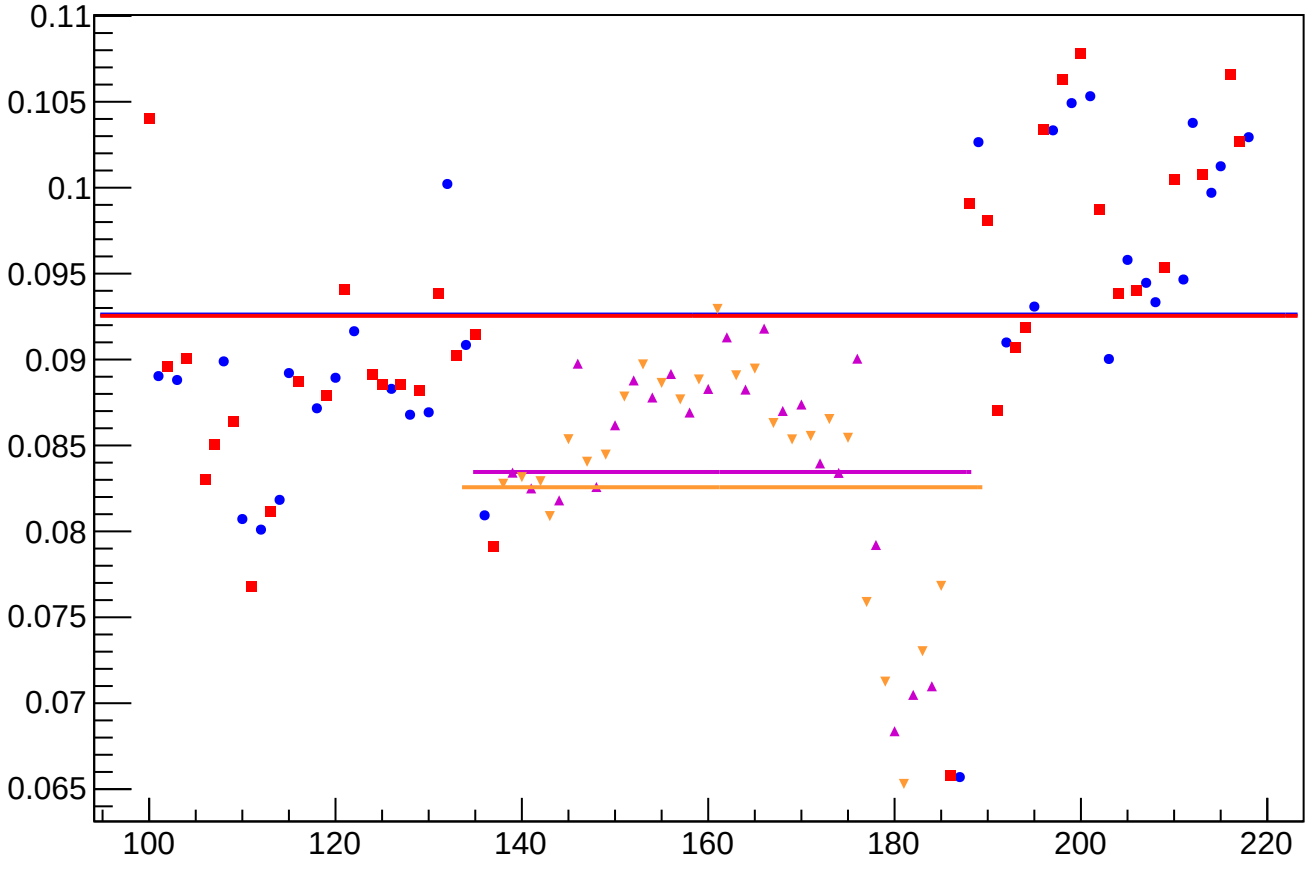
Right: -0.706+/-0.000 χ^2/NDF: 3721203427.2/67

In: -0.953+/-0.000 χ^2/NDF:3039476868.9/54

Out: -0.857+/-0.000 χ^2/NDF:3131838773.3/60

All: -0.904+/-0.000 χ^2/NDF: 6194955152.8/1

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: 406309.2/35

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

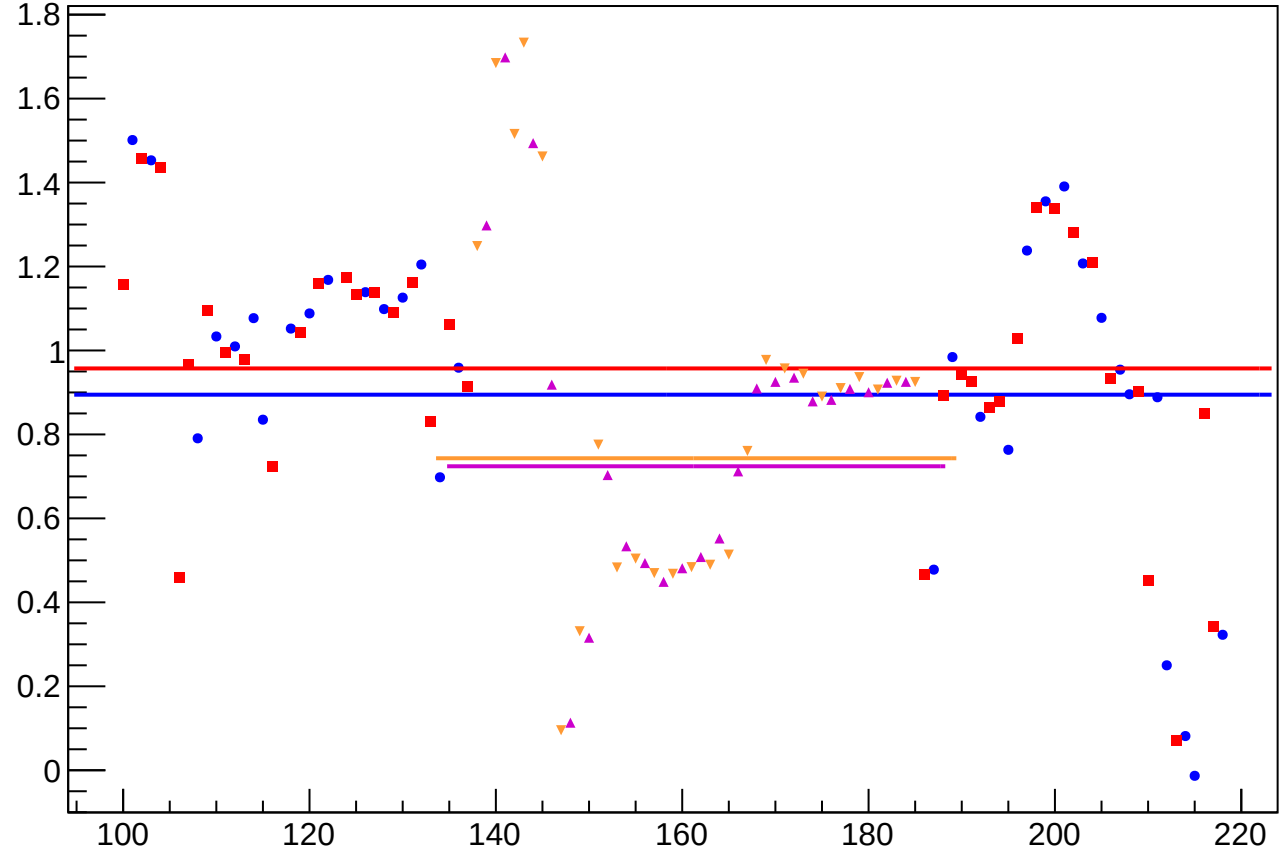
Right: 0.093+/-0.000 χ^2/NDF: 717722.0/67

In: 0.088+/-0.000 χ^2/NDF:755727.4/54

Out: 0.087+/-0.000 χ^2/NDF:953739.6/60

All: 0.087+/-0.000 χ^2/NDF: 1711481.8/115

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: 0.957+/-0.000 χ^2/NDF: 15948040247.3/35

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

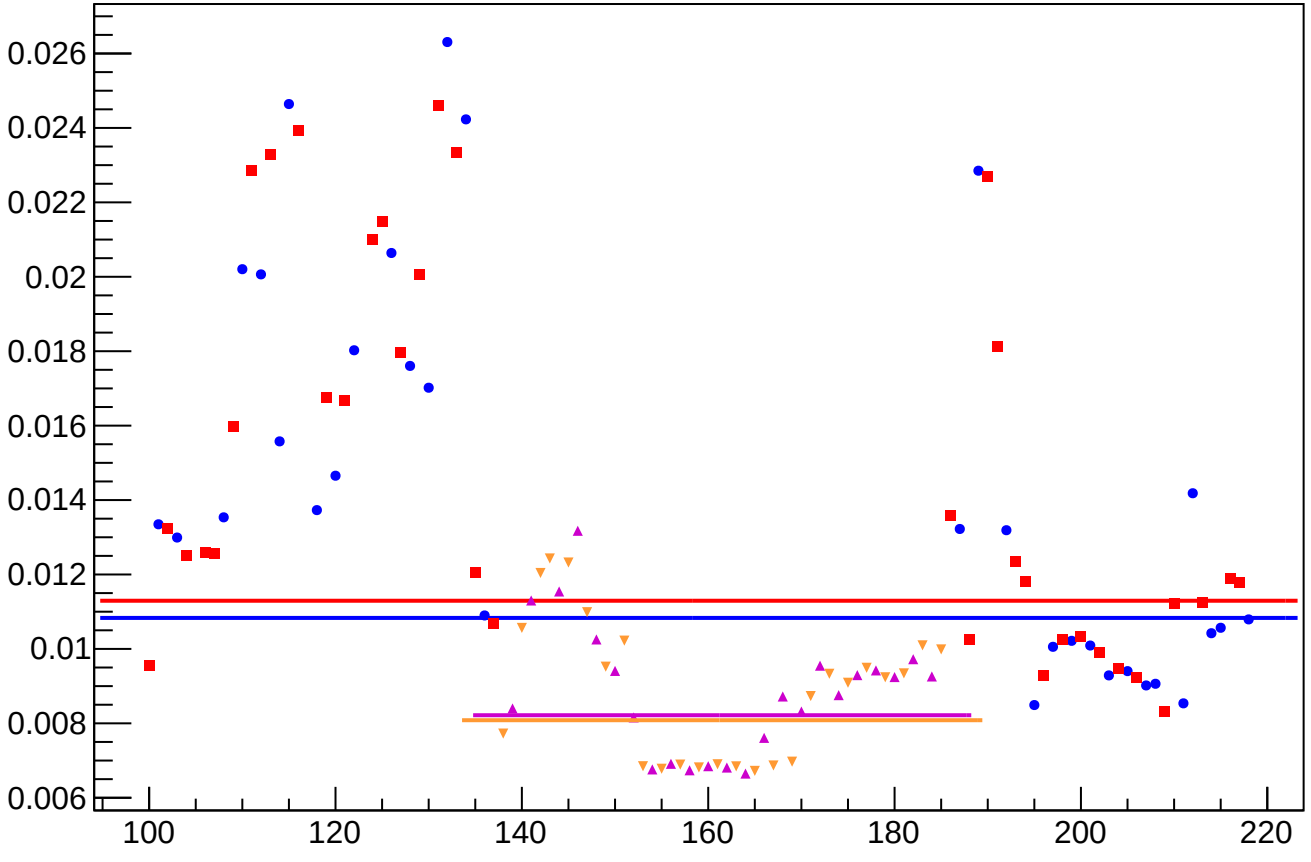
Right: 0.925+/-0.000 χ^2/NDF: 41275336698.7/67

In: 0.789+/-0.000 χ^2/NDF:53418769682.7/54

Out: 0.816+/-0.000 χ^2/NDF:52735361170.9/60

All: 0.802+/-0.000 χ^2/NDF: 106302986230.9

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: 2463821.3/35

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

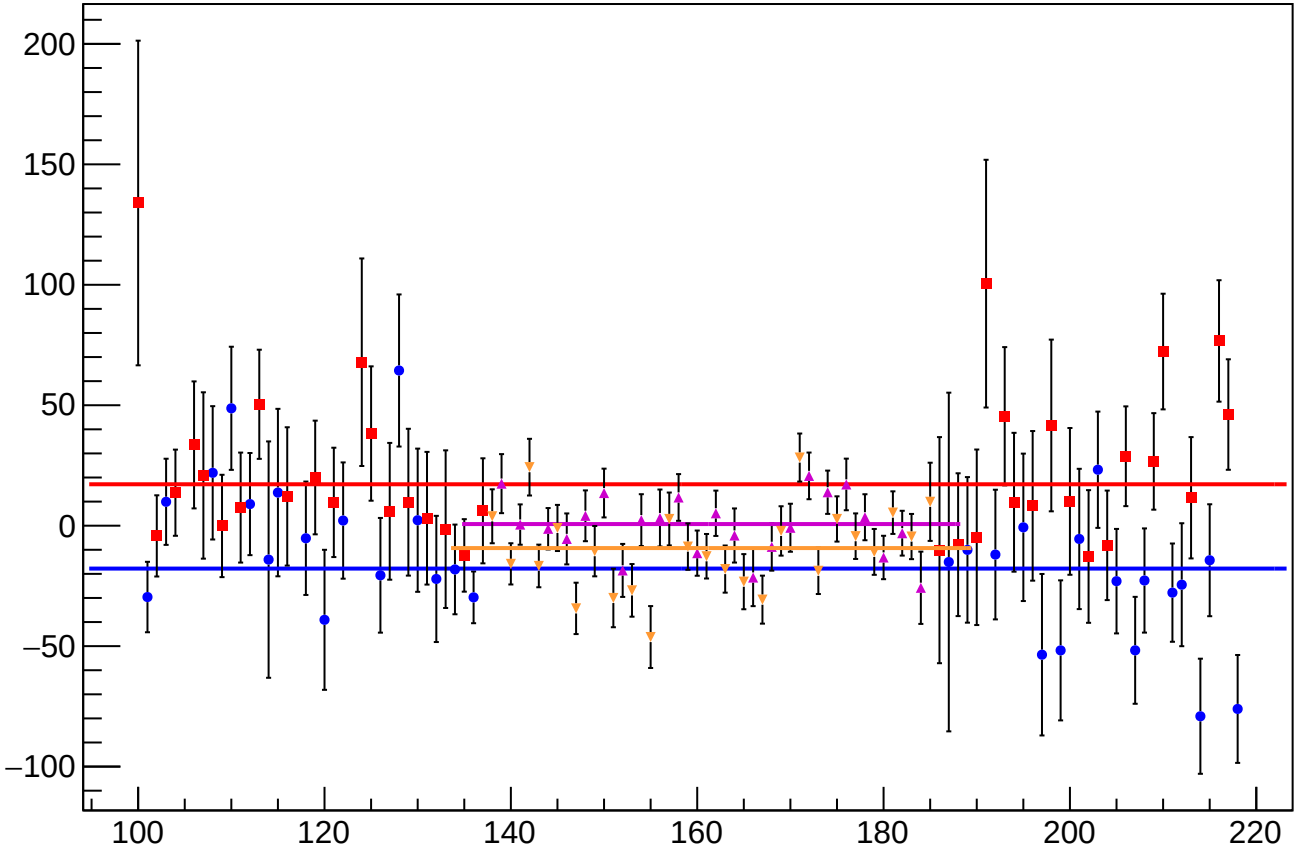
Right: 0.011+/-0.000 χ^2/NDF: 4893673.9/67

In: 0.009+/-0.000 χ^2/NDF:4805869.1/54

Out: 0.009+/-0.000 χ^2/NDF:5763965.8/60

All: 0.009+/-0.000 χ^2/NDF: 10570316.6/115

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: 17.195+/-4.226 χ^2/NDF: 36.2/35

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

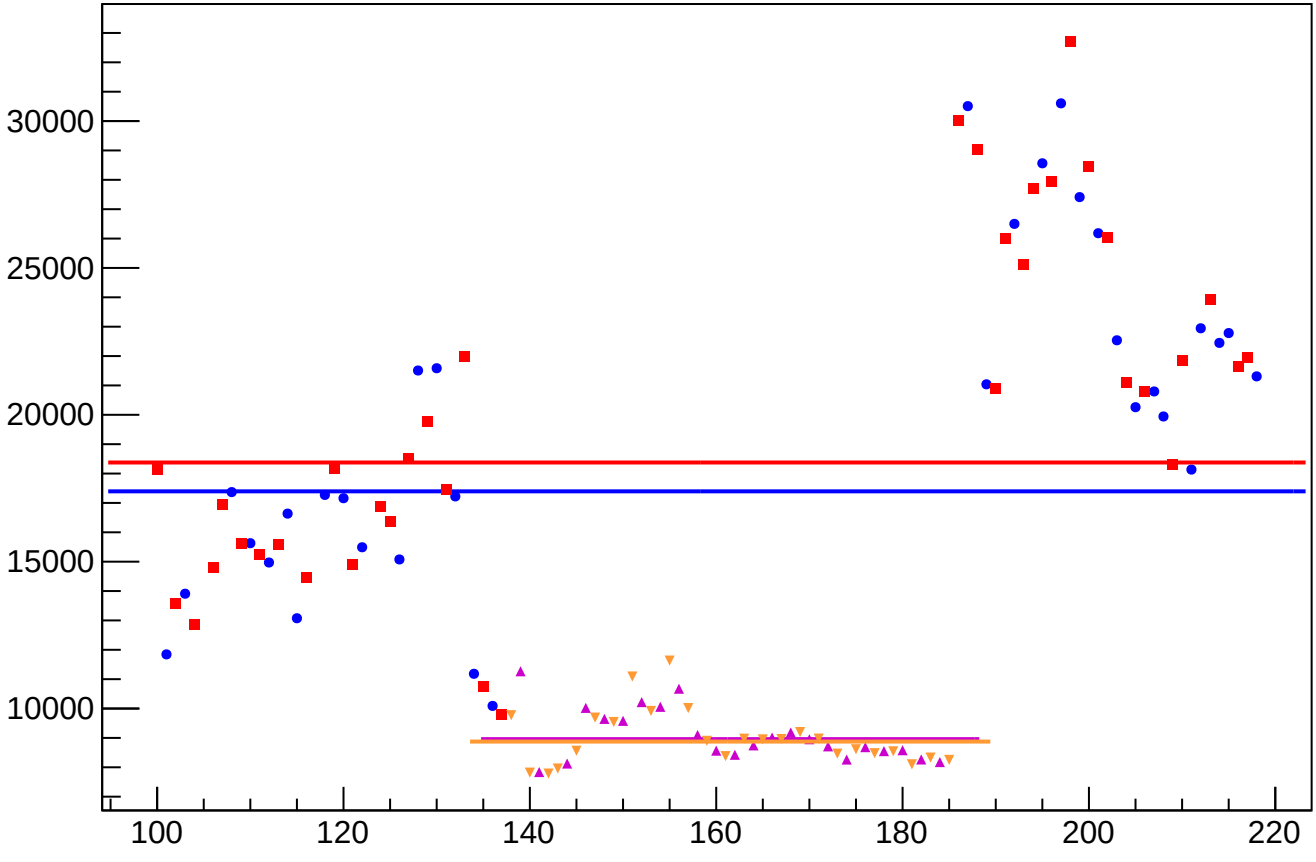
Right: -0.947+/-2.933 χ^2/NDF: 118.2/67

In: -3.217+/-1.869 χ^2/NDF:92.1/54

Out: -4.323+/-1.830 χ^2/NDF:129.3/60

All: -3.781+/-1.308 χ^2/NDF: 221.6/115

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 17394.412+/-2.880 χ^2/NDF: 3564505.6/31

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 18376.535+/-2.988 χ^2/NDF: 3364032.0/35

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

Left: 8915.664+/-1.033 χ^2/NDF: 650301.9/47

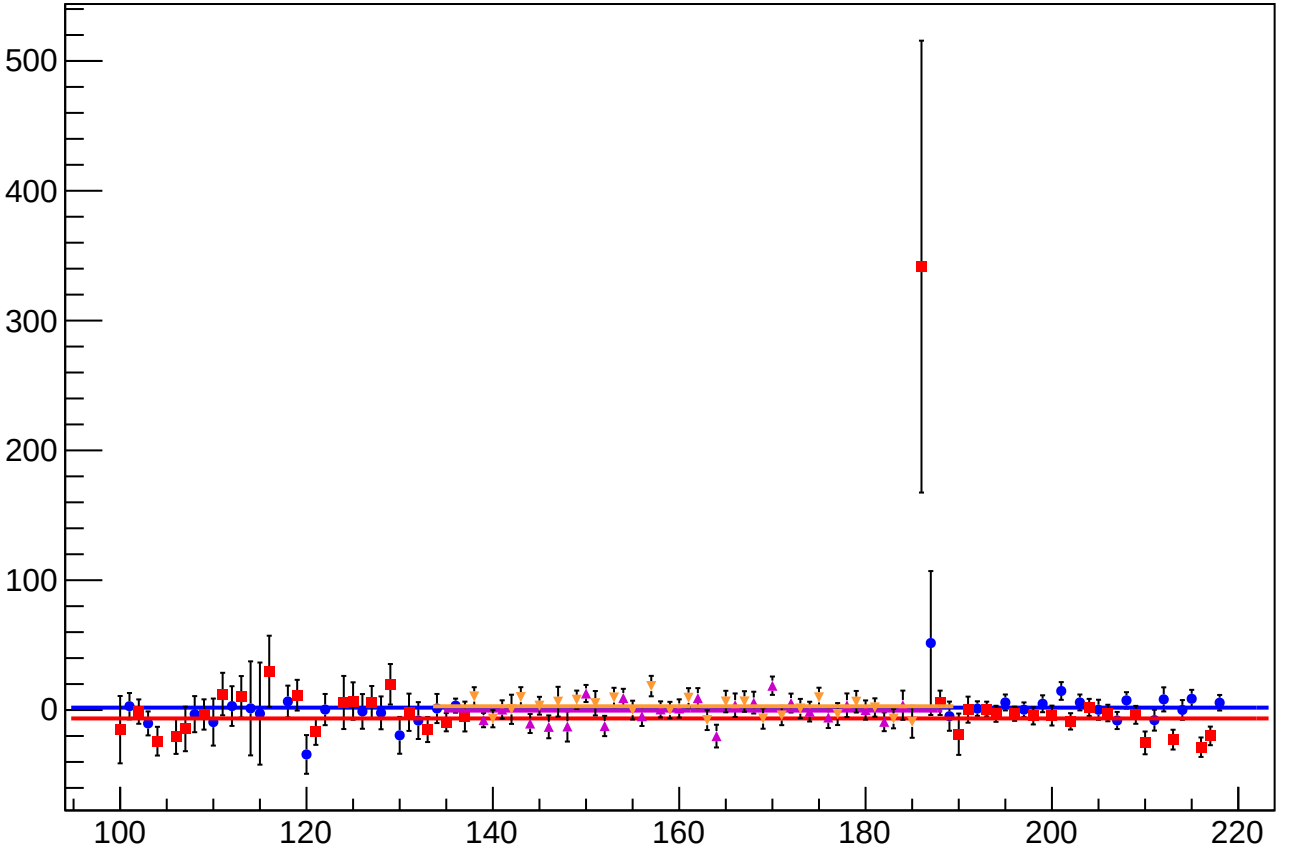
Right: 17867.431+/-2.074 χ^2/NDF: 6984538.9/67

In: 10735.660+/-1.322 χ^2/NDF:10637515.6/54

Out: 10657.915+/-1.294 χ^2/NDF:11924534.6/60

All: 10695.963+/-0.925 χ^2/NDF: 22563816.3

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: -6.486+/-1.505 χ^2/NDF: 50.9/35

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

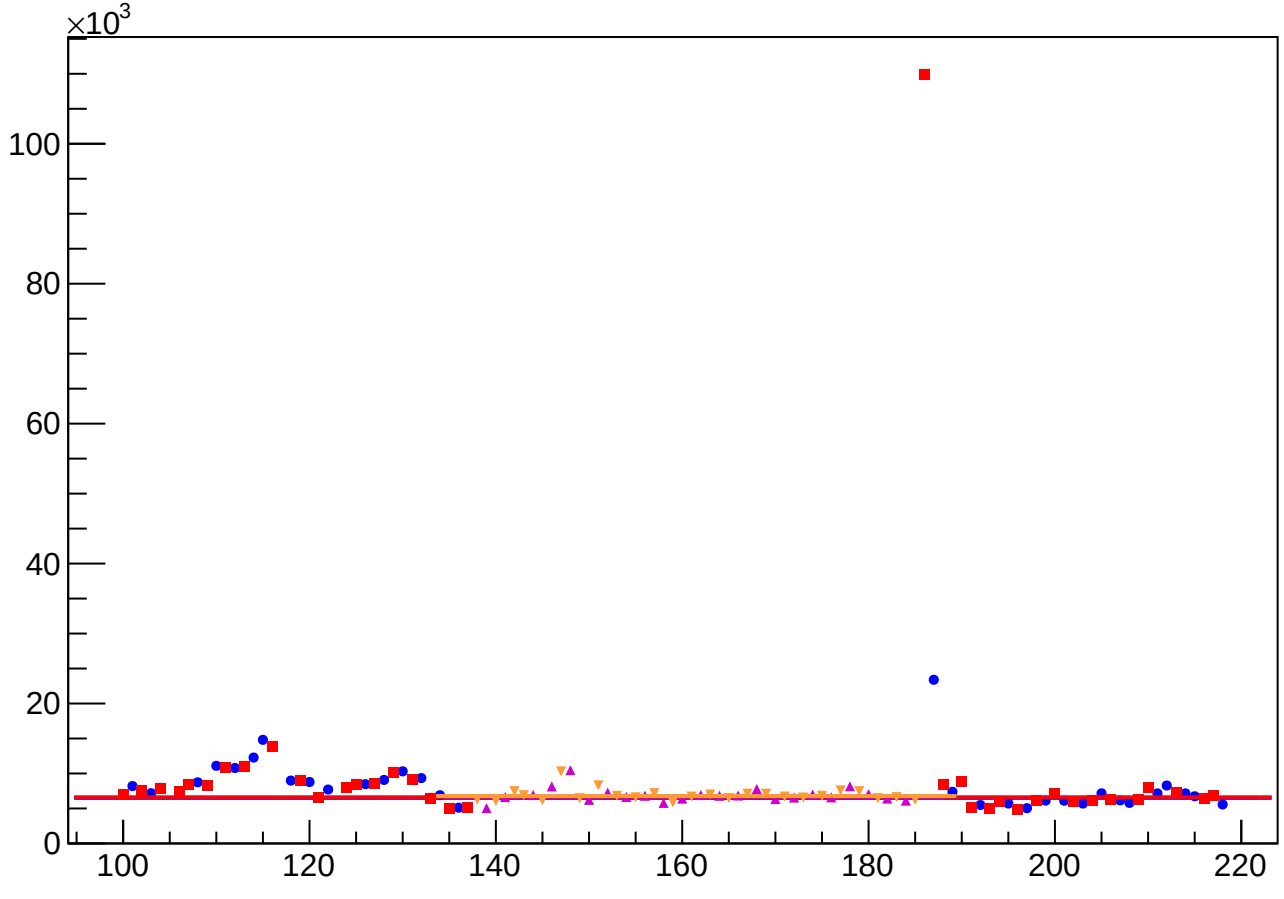
Right: -2.305+/-1.062 χ^2/NDF: 89.8/67

In: 0.753+/-1.088 χ^2/NDF:57.4/54

Out: -1.952+/-1.081 χ^2/NDF:89.2/60

All: -0.608+/-0.767 χ^2/NDF: 149.7/115

diff_bpm4aY_rms vs Slug, Sign Corrected



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: 6582.637+/-1.064 χ^2/NDF: 2405594.8/35

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

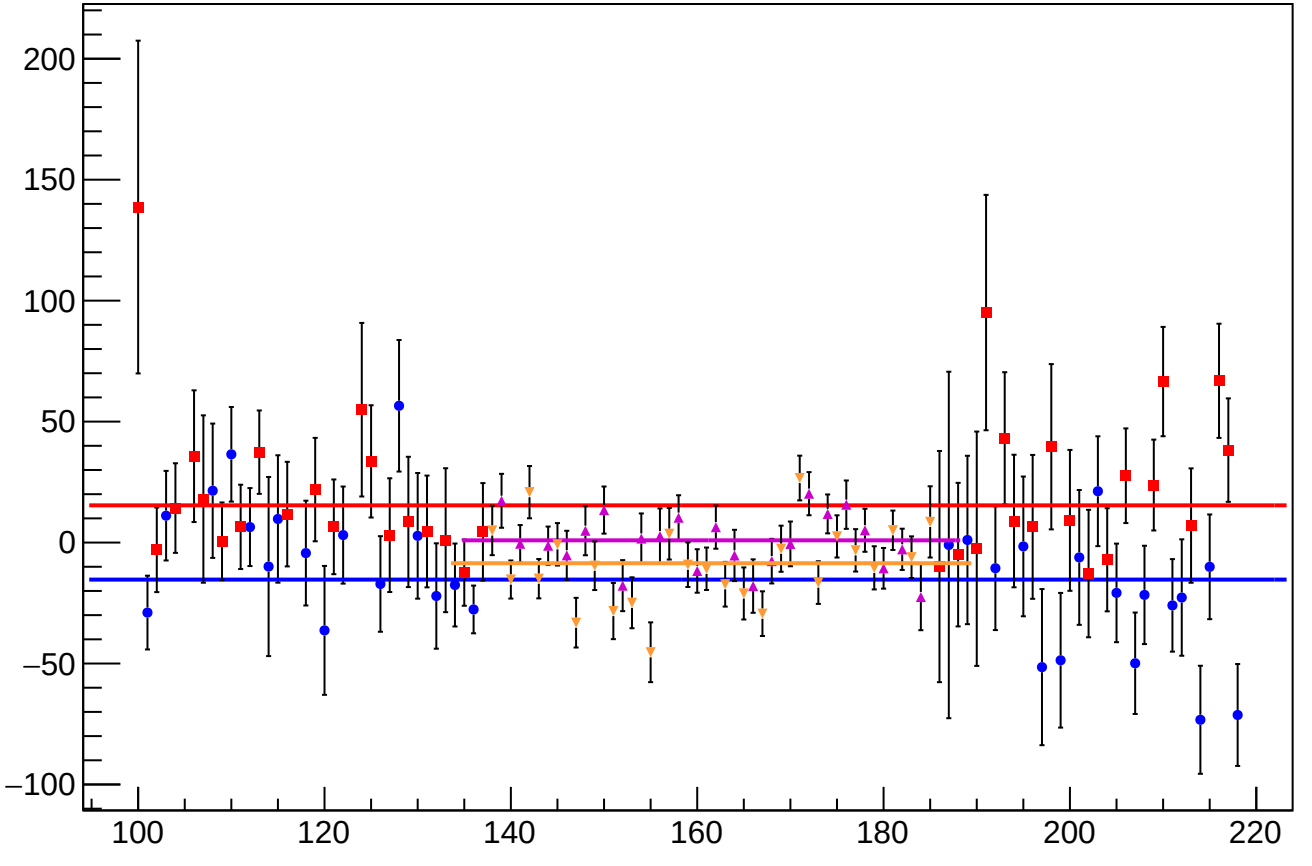
Right: 6553.352+/-0.751 χ^2/NDF: 4259463.9/67

In: 6602.486+/-0.769 χ^2/NDF:2484141.7/54

Out: 6676.614+/-0.764 χ^2/NDF:2821861.9/60

All: 6639.773+/-0.542 χ^2/NDF: 5310676.5/11

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: 15.388+/-3.841 χ^2/NDF: 34.3/35

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

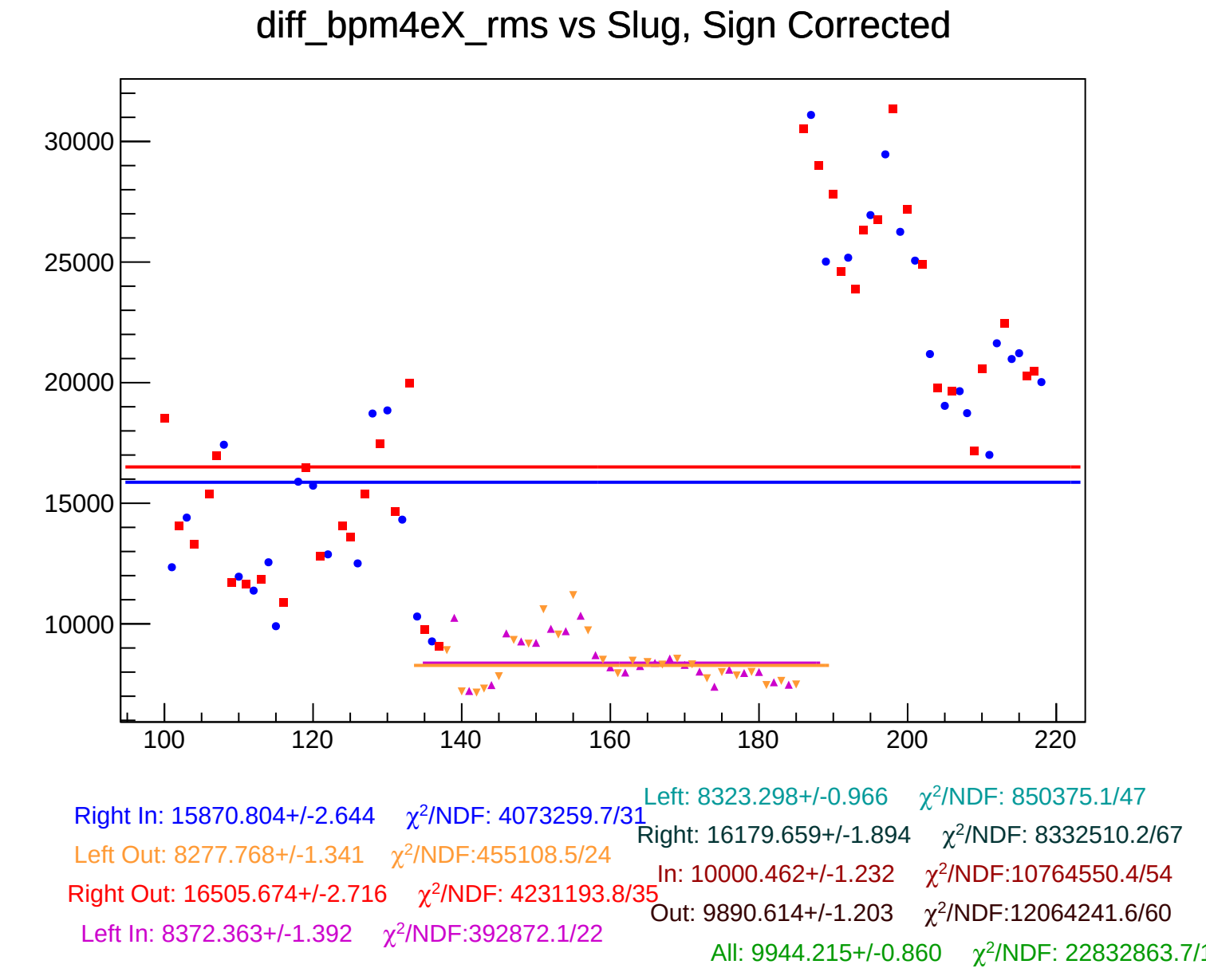
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: -0.373+/-2.679 χ^2/NDF: 115.4/67

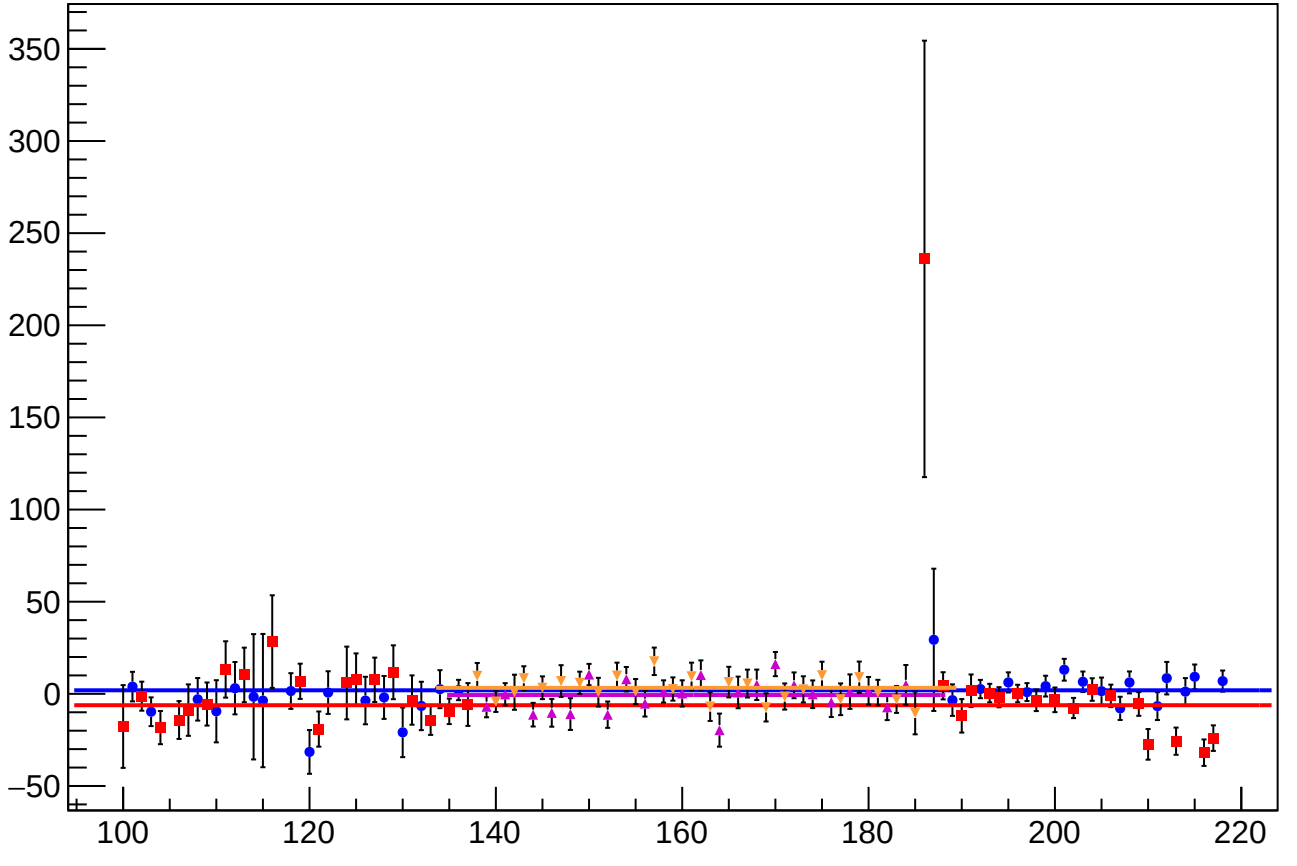
In: -2.603+/-1.742 χ^2/NDF:92.1/54

Out: -3.847+/-1.701 χ^2/NDF:127.4/60

All: -3.240+/-1.217 χ^2/NDF: 219.8/115


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: 16505.674+/-2.716 χ²/NDF: 4231193.8/35
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
Left: 8323.298+/-0.966 χ²/NDF: 850375.1/47
Right: 16179.659+/-1.894 χ²/NDF: 8332510.2/67
In: 10000.462+/-1.232 χ²/NDF:10764550.4/54
Out: 9890.614+/-1.203 χ²/NDF:12064241.6/60
All: 9944.215+/-0.860 χ²/NDF: 22832863.7/1

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: -6.170+/-1.349 χ^2/NDF: 64.7/35

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

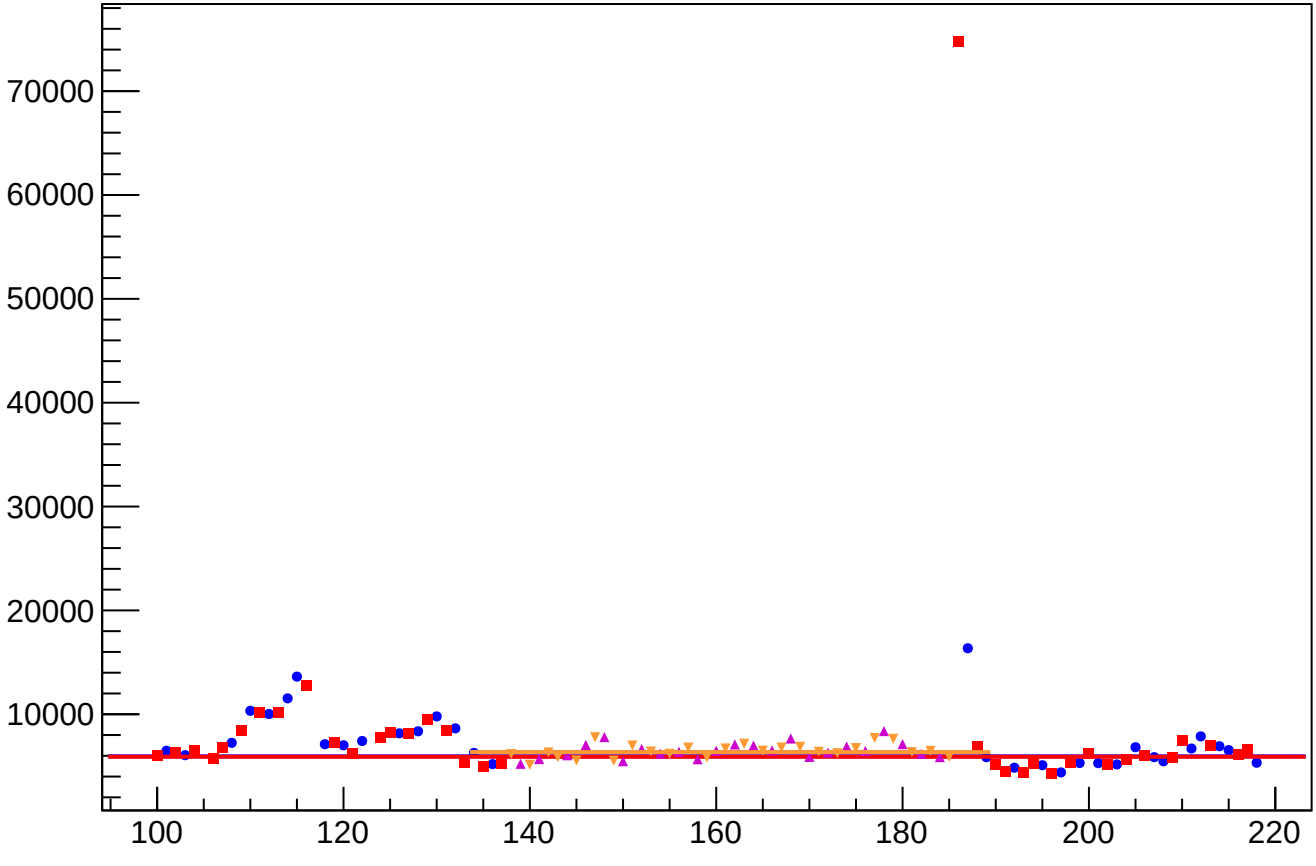
Right: -2.164+/-0.959 χ^2/NDF: 109.8/67

In: 0.762+/-1.009 χ^2/NDF:59.6/54

Out: -1.820+/-0.990 χ^2/NDF:104.8/60

All: -0.553+/-0.706 χ^2/NDF: 167.8/115

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: 5910.533+/-0.954 χ^2/NDF: 2454422.2/35

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

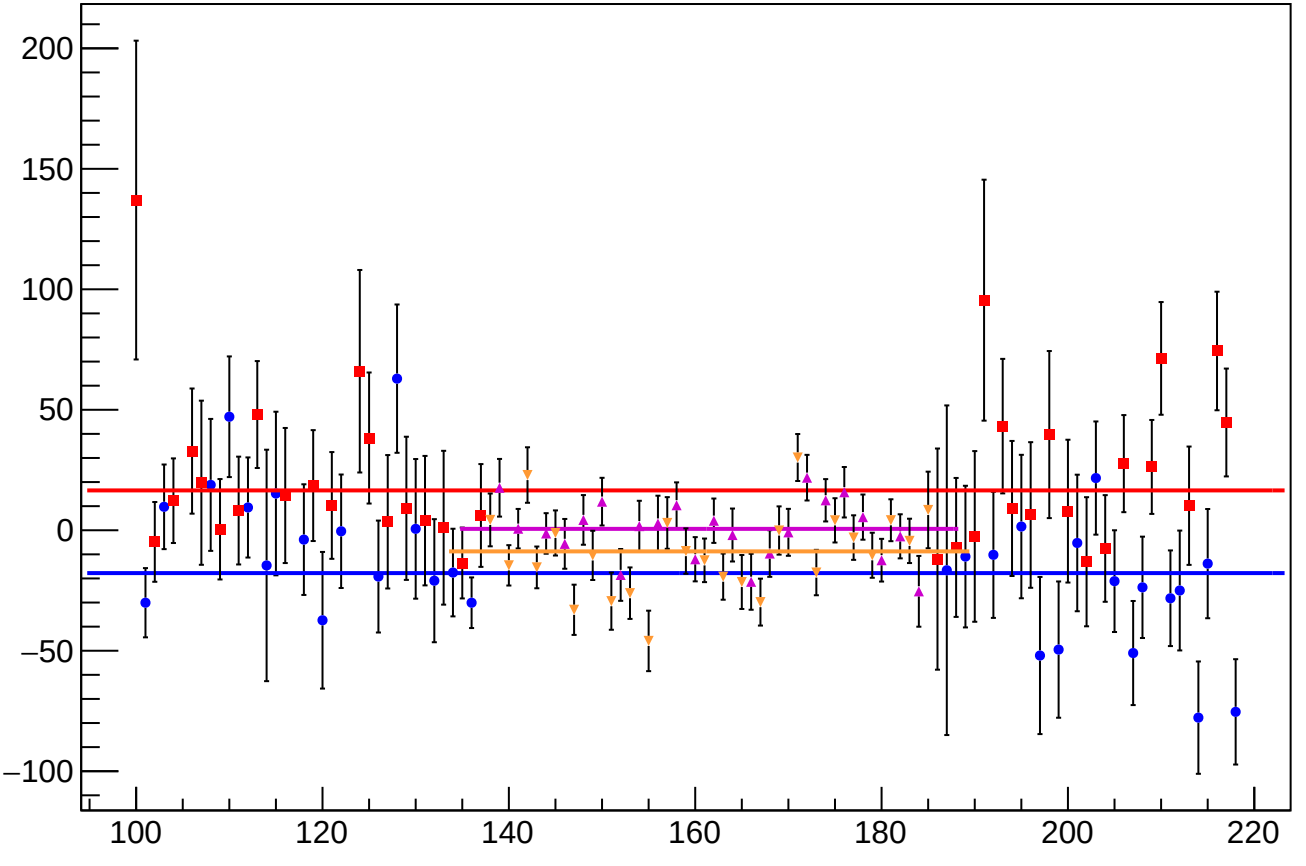
Right: 5927.512+/-0.678 χ^2/NDF: 4257058.3/67

In: 6132.657+/-0.713 χ^2/NDF:2359799.6/54

Out: 6116.879+/-0.700 χ^2/NDF:2969914.1/60

All: 6124.622+/-0.500 χ^2/NDF: 5329963.0/11

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: 16.536+/-4.127 χ^2/NDF: 36.6/35

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

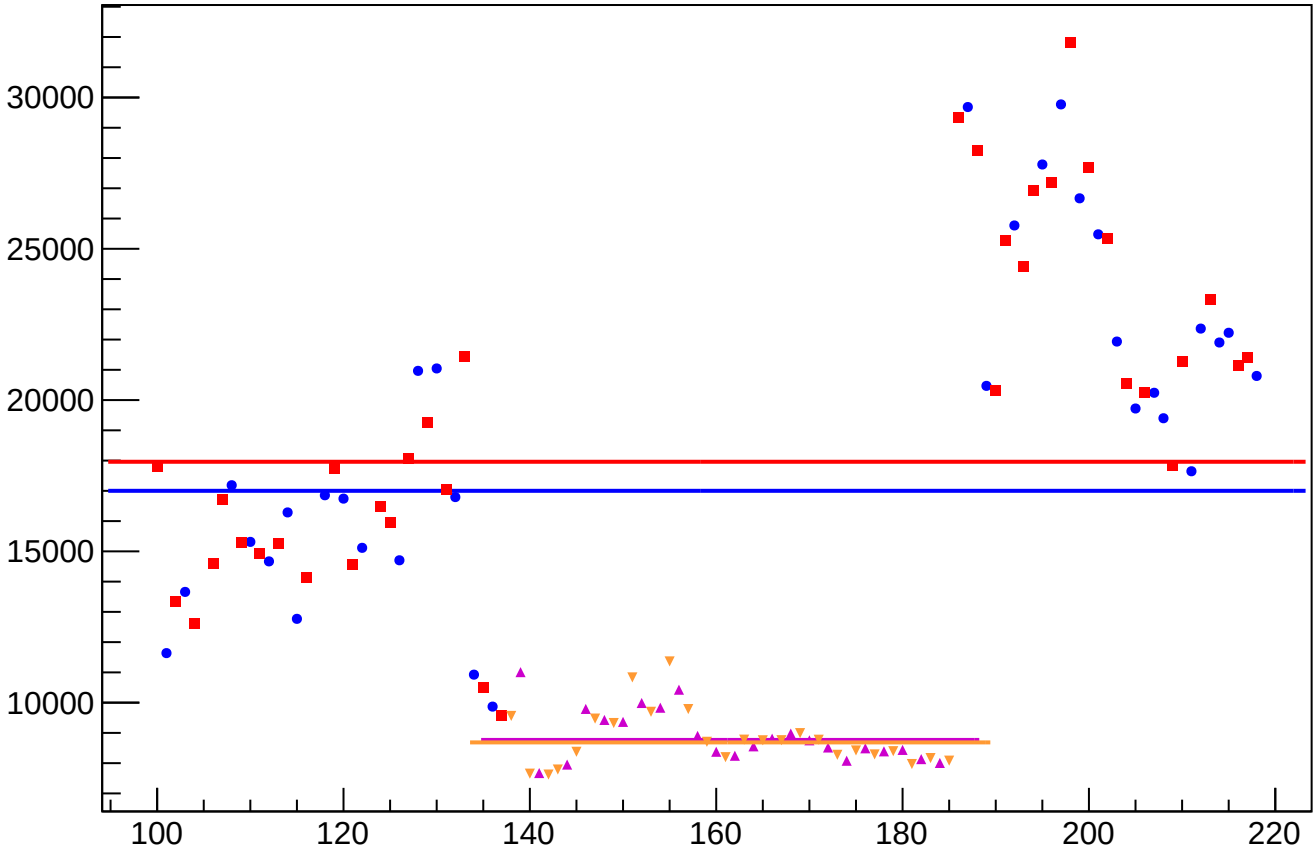
Right: -1.251+/-2.864 χ^2/NDF: 119.2/67

In: -3.300+/-1.829 χ^2/NDF:93.1/54

Out: -4.006+/-1.790 χ^2/NDF:129.8/60

All: -3.660+/-1.279 χ^2/NDF: 223.0/115

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: 17961.196+/-2.918 χ^2/NDF: 3310424.7/35

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

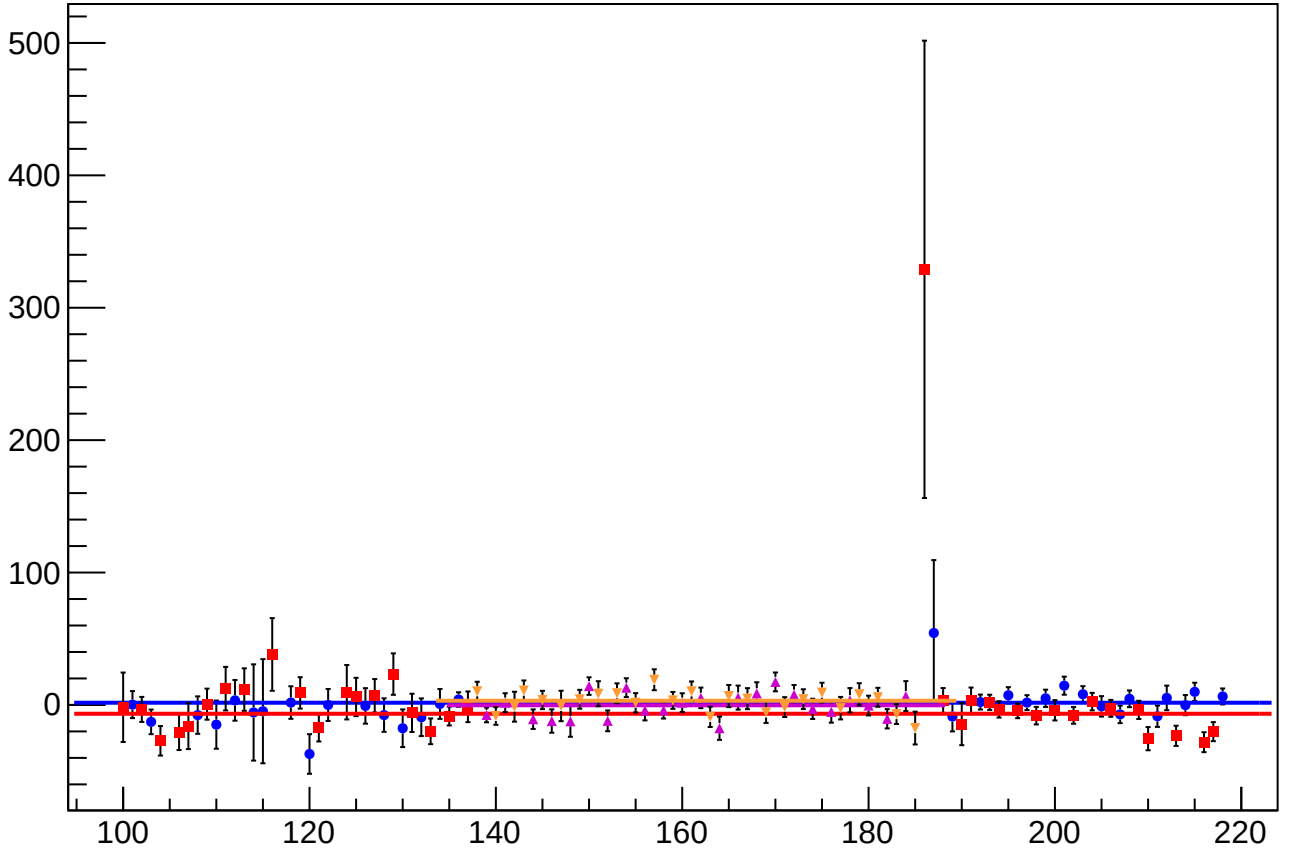
Right: 17463.466+/-2.025 χ^2/NDF: 6879317.0/67

In: 10507.396+/-1.293 χ^2/NDF:10564761.4/54

Out: 10431.255+/-1.266 χ^2/NDF:11851047.6/60

All: 10468.519+/-0.905 χ^2/NDF: 22417579.5

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: -6.660+/-1.510 χ^2/NDF: 54.3/35

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

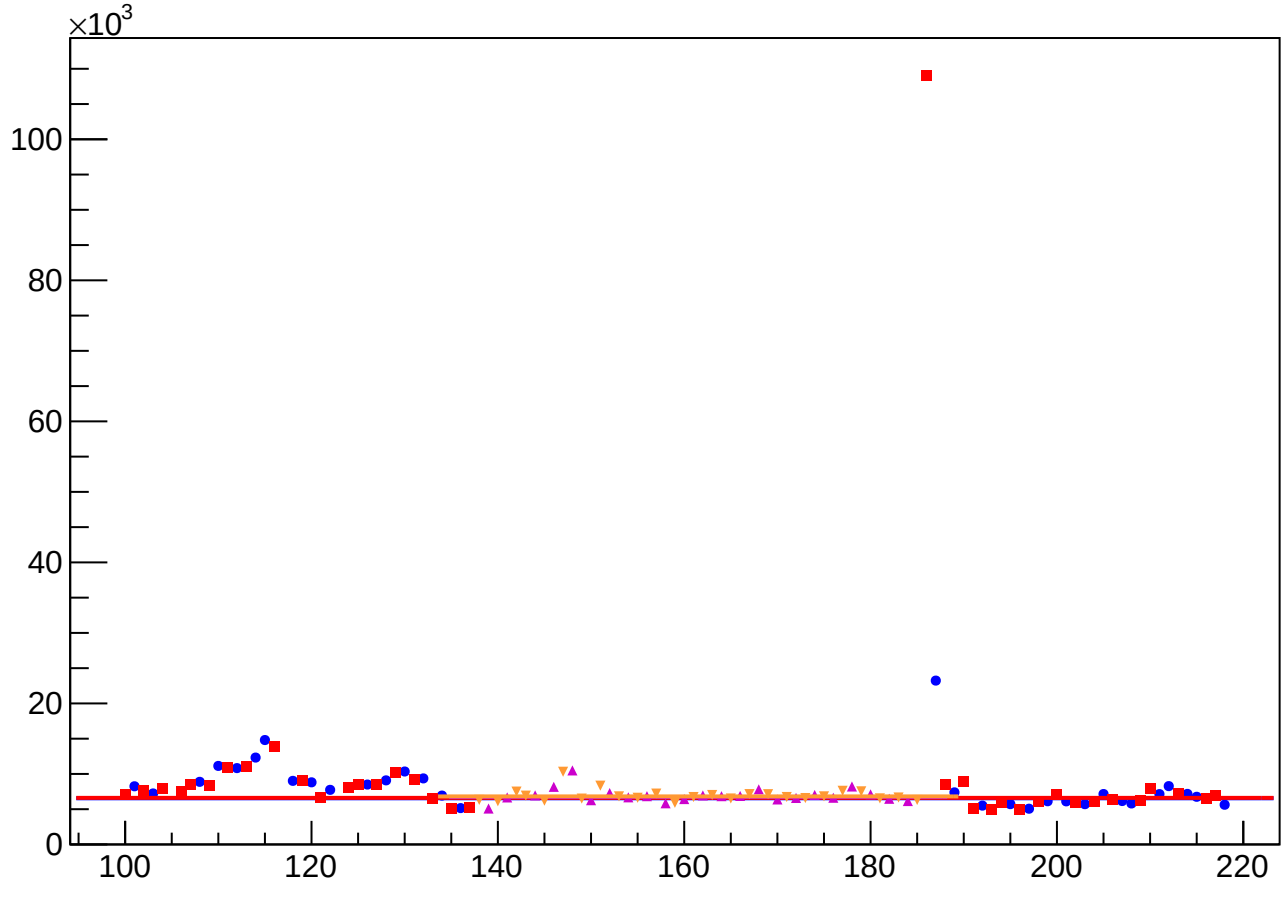
Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

Right: -2.475+/-1.065 χ^2/NDF: 96.8/67

In: 0.755+/-1.092 χ^2/NDF:62.2/54

Out: -1.909+/-1.086 χ^2/NDF:96.4/60

All: -0.585+/-0.770 χ^2/NDF: 161.7/115



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: 6606.315+/-1.068 χ^2/NDF: 2398123.4/35

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

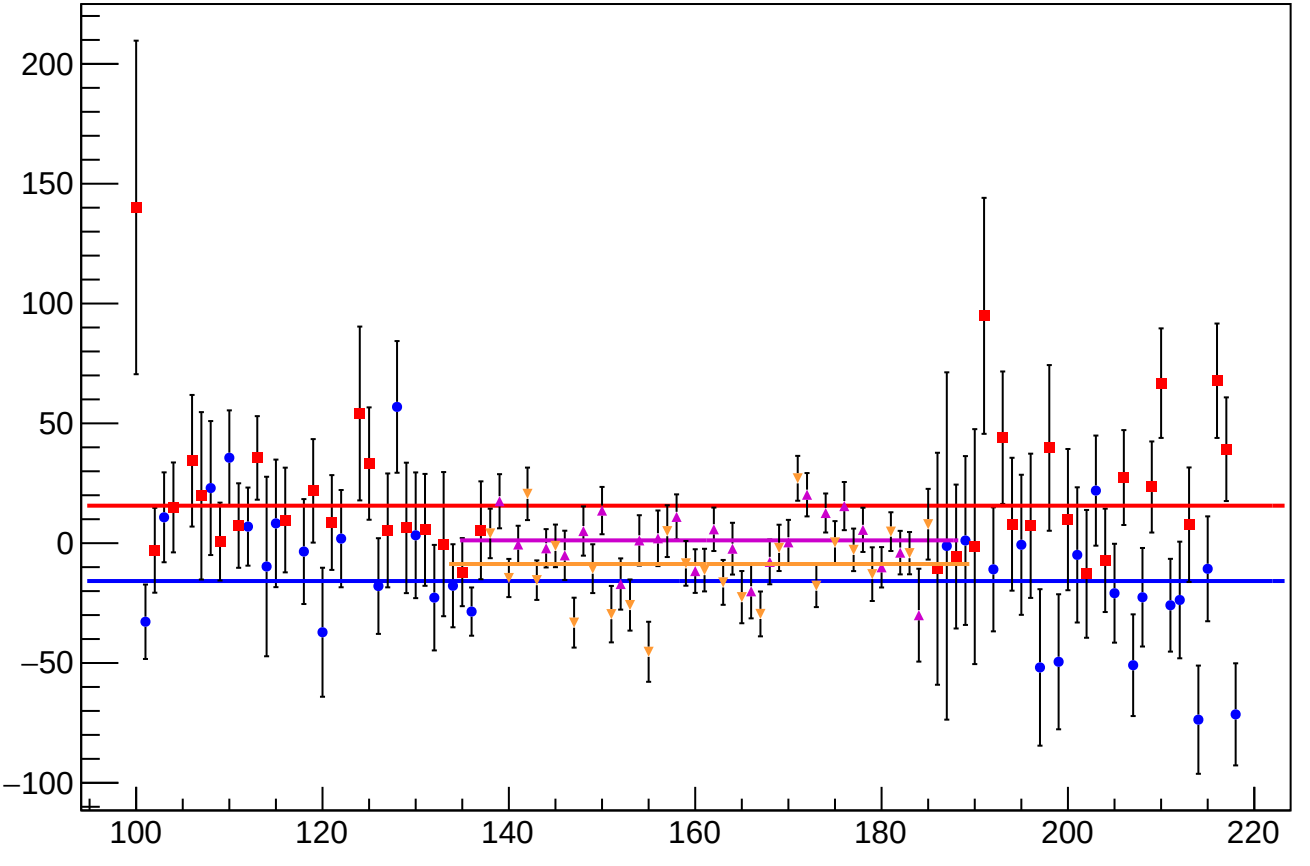
Right: 6576.036+/-0.753 χ^2/NDF: 4243262.3/67

In: 6631.829+/-0.772 χ^2/NDF:2467385.9/54

Out: 6706.174+/-0.768 χ^2/NDF:2810837.9/60

All: 6669.224+/-0.544 χ^2/NDF: 5282884.7/11

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: 15.648+/-3.894 χ^2/NDF: 33.1/35

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

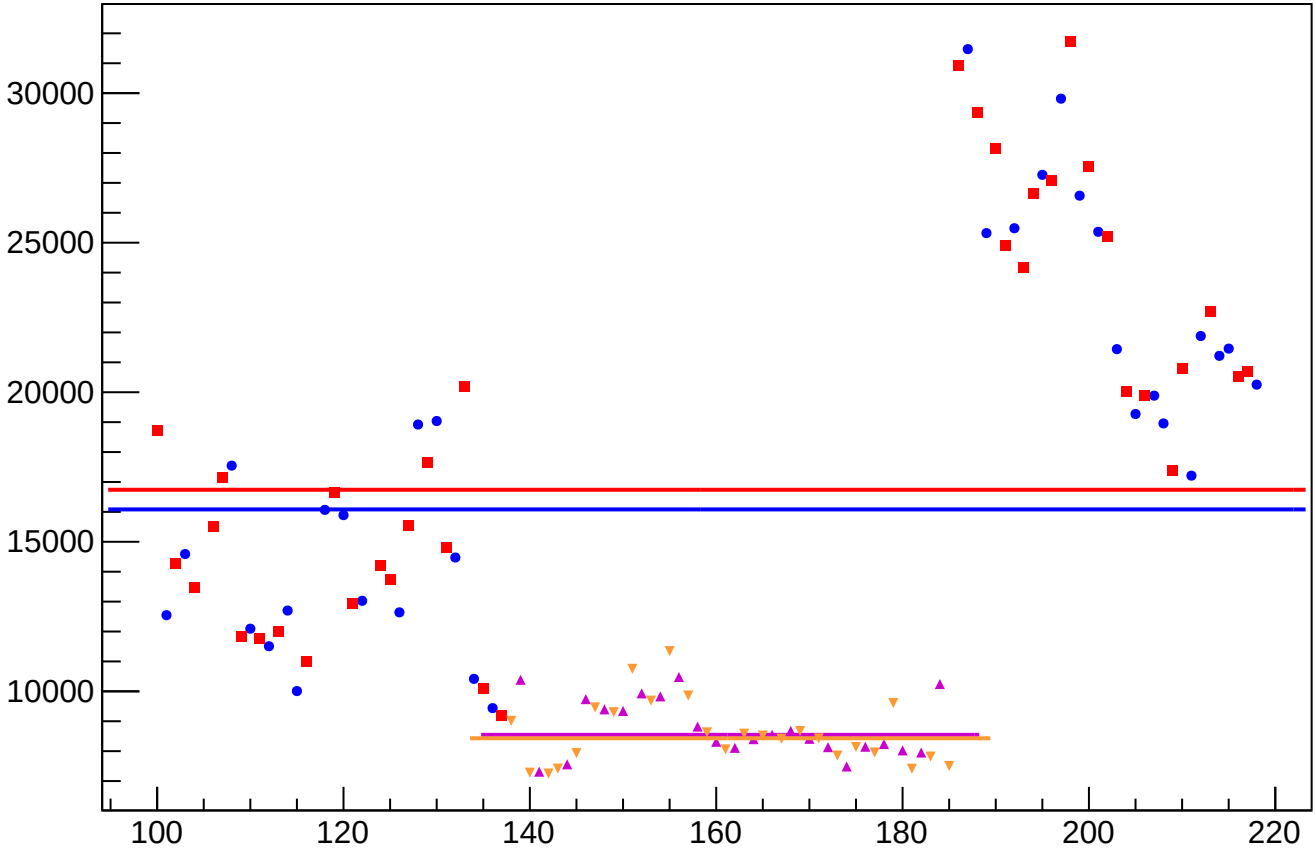
Right: -0.508+/-2.715 χ^2/NDF: 115.0/67

In: -2.562+/-1.777 χ^2/NDF:92.6/54

Out: -3.867+/-1.734 χ^2/NDF:125.8/60

All: -3.231+/-1.241 χ^2/NDF: 218.7/115

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: 16739.489+/-2.753 χ^2/NDF: 4180934.1/35

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

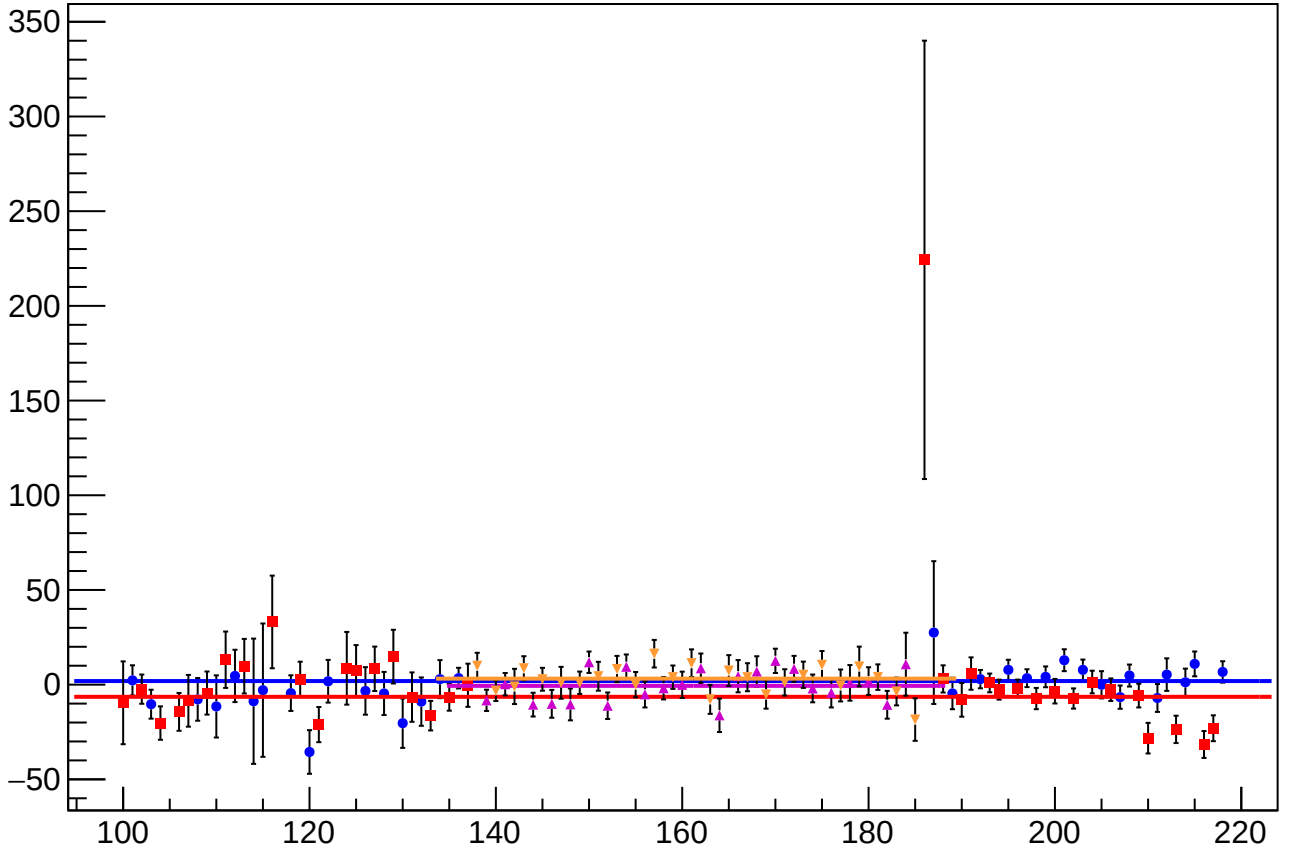
Right: 16401.741+/-1.920 χ^2/NDF: 8251726.2/67

In: 10204.714+/-1.257 χ^2/NDF:10606894.2/54

Out: 10077.942+/-1.226 χ^2/NDF:11967736.1/60

All: 10139.759+/-0.877 χ^2/NDF: 22579845.1

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: -6.422+/-1.317 χ^2/NDF: 65.3/35

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

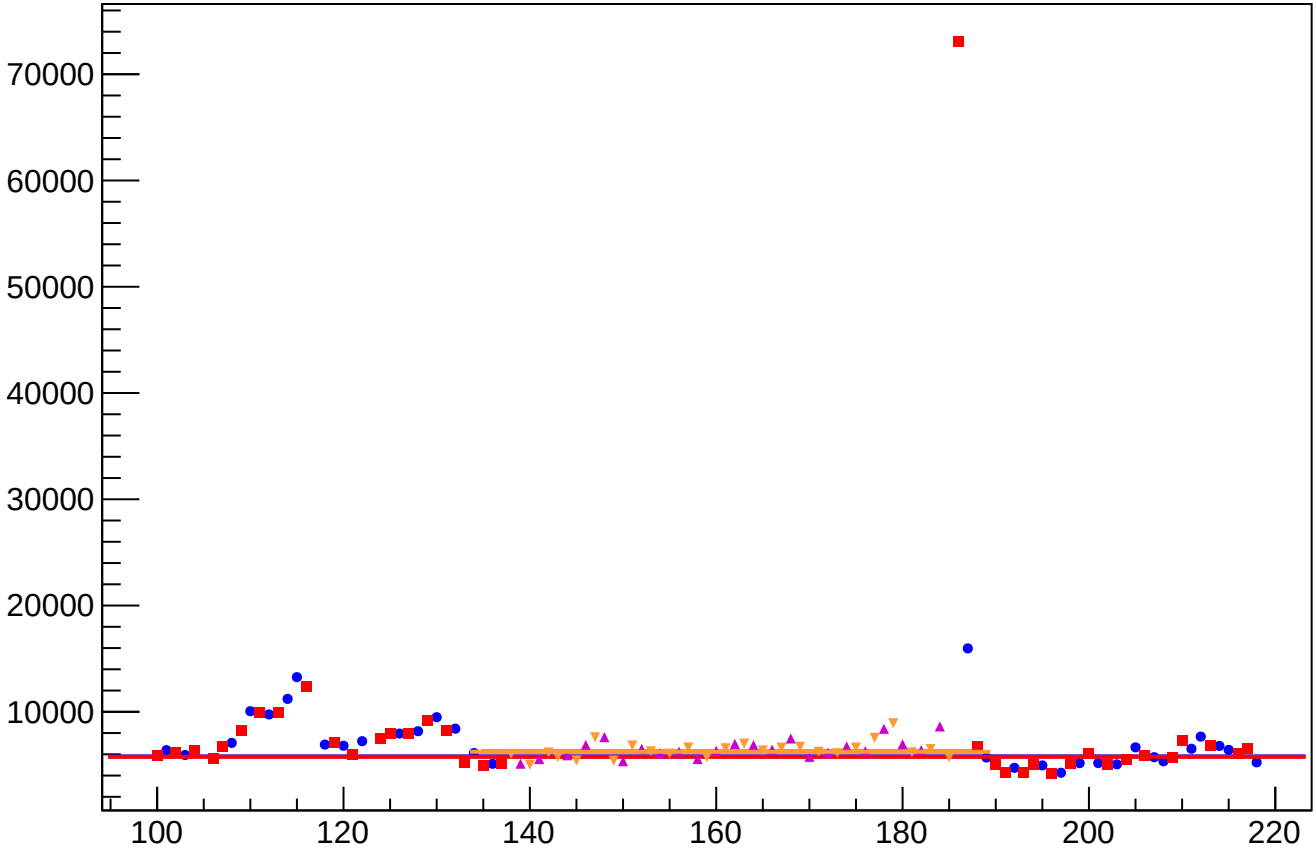
Right: -2.308+/-0.936 χ^2/NDF: 118.3/67

In: 0.767+/-0.990 χ^2/NDF:66.8/54

Out: -2.031+/-0.970 χ^2/NDF:108.3/60

All: -0.661+/-0.693 χ^2/NDF: 179.1/115

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: 5766.648+/-0.931 χ^2/NDF: 2442212.7/35

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

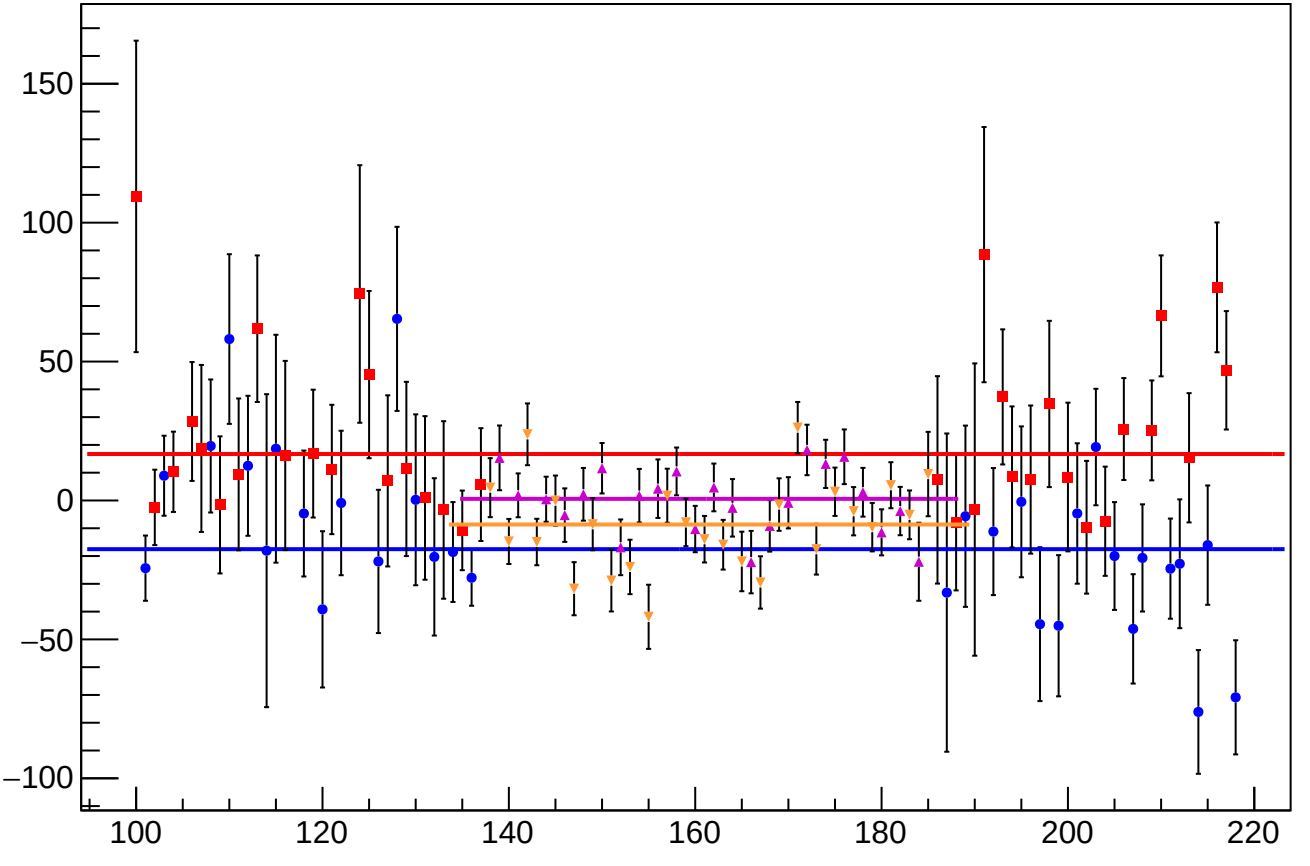
Right: 5784.827+/-0.662 χ^2/NDF: 4243916.4/67

In: 6010.979+/-0.700 χ^2/NDF:2434207.1/54

Out: 5982.070+/-0.686 χ^2/NDF:3067088.6/60

All: 5996.228+/-0.490 χ^2/NDF: 5502165.7/11

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: 16.723+/-3.931 χ^2/NDF: 38.2/35

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

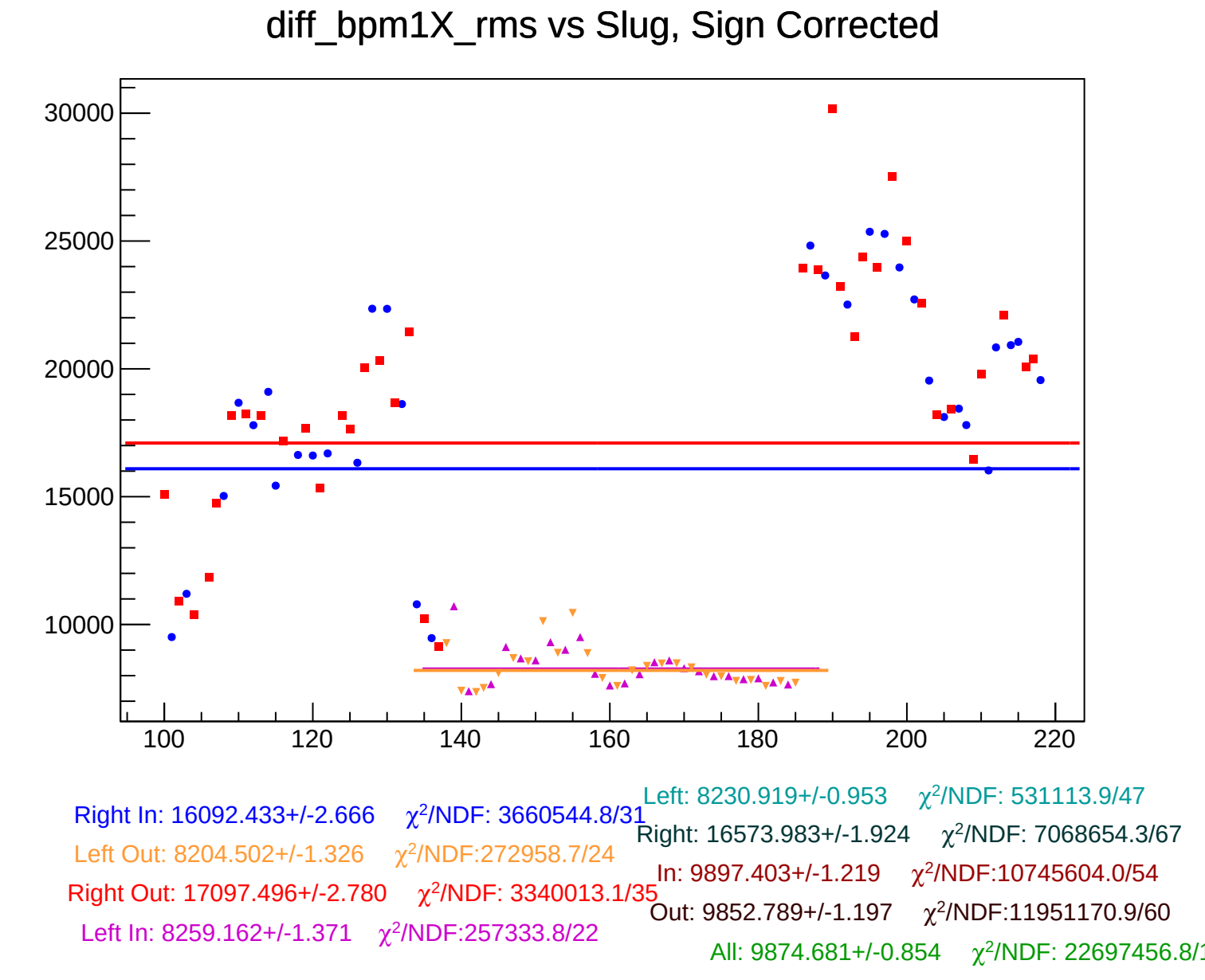
Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

Right: -1.115+/-2.721 χ^2/NDF: 123.3/67

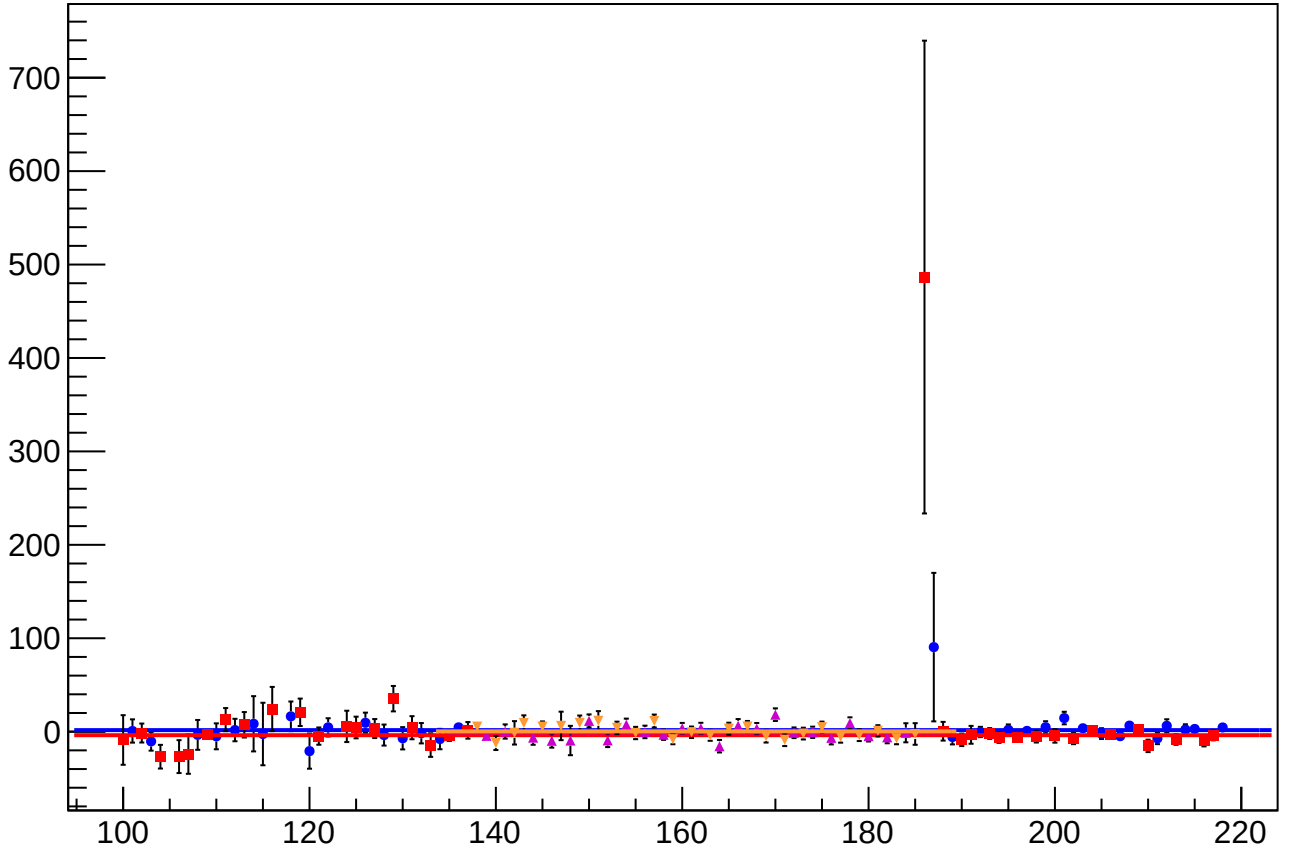
In: -3.204+/-1.724 χ^2/NDF:92.4/54

Out: -3.948+/-1.692 χ^2/NDF:135.1/60

All: -3.583+/-1.208 χ^2/NDF: 227.6/115


diff_bpm1X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16092.433+/-2.666 χ²/NDF: 3660544.8/31
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 17097.496+/-2.780 χ²/NDF: 3340013.1/35
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
Left: 8230.919+/-0.953 χ²/NDF: 531113.9/47
Right: 16573.983+/-1.924 χ²/NDF: 7068654.3/67
In: 9897.403+/-1.219 χ²/NDF:10745604.0/54
Out: 9852.789+/-1.197 χ²/NDF:11951170.9/60
All: 9874.681+/-0.854 χ²/NDF: 22697456.8/1

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: -3.761+/-1.260 χ^2/NDF: 35.9/35

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

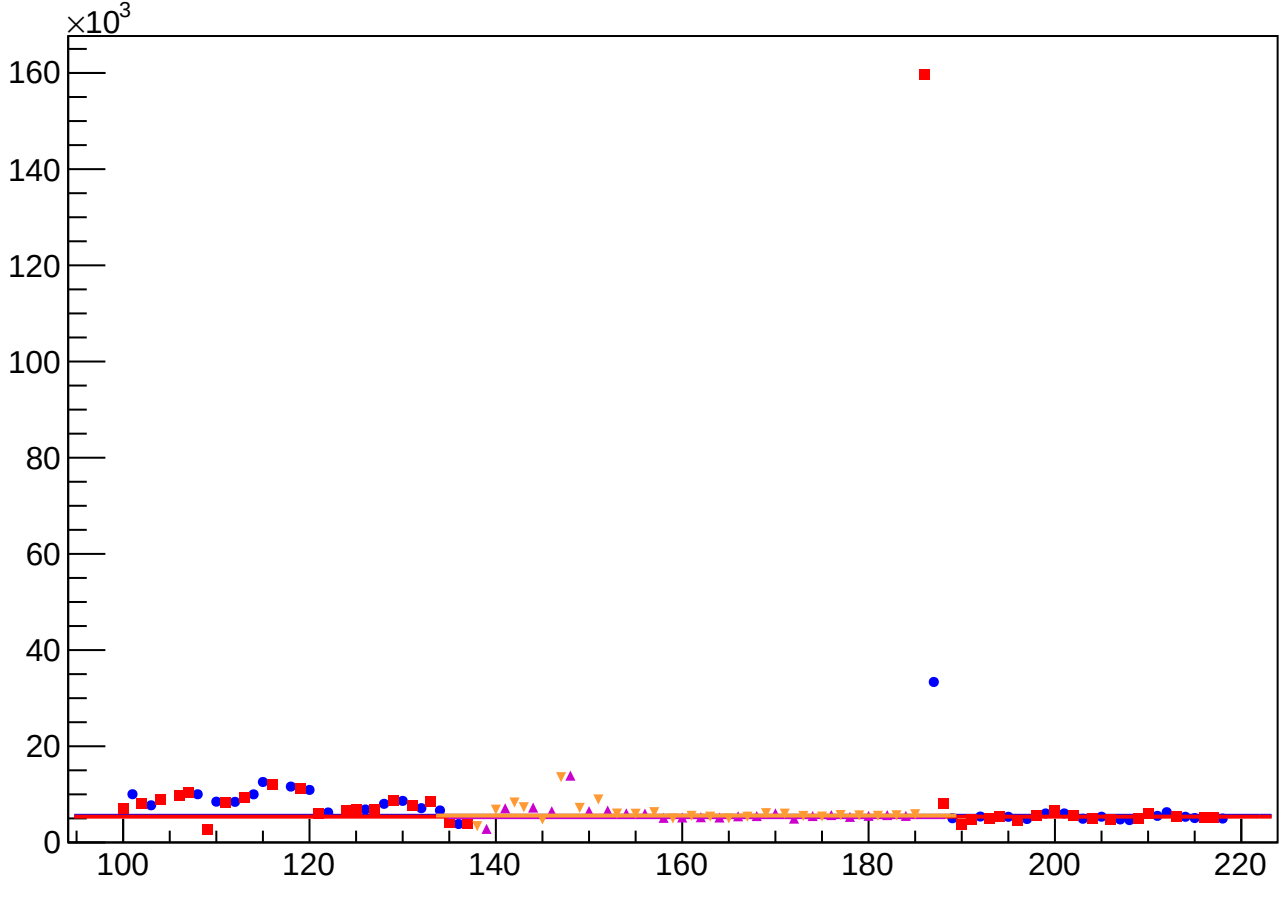
Right: -1.102+/-0.899 χ^2/NDF: 63.9/67

In: 0.480+/-0.910 χ^2/NDF:50.6/54

Out: -1.802+/-0.912 χ^2/NDF:62.5/60

All: -0.659+/-0.644 χ^2/NDF: 116.2/115

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: 5366.778+/-0.891 χ^2/NDF: 3820047.3/35

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

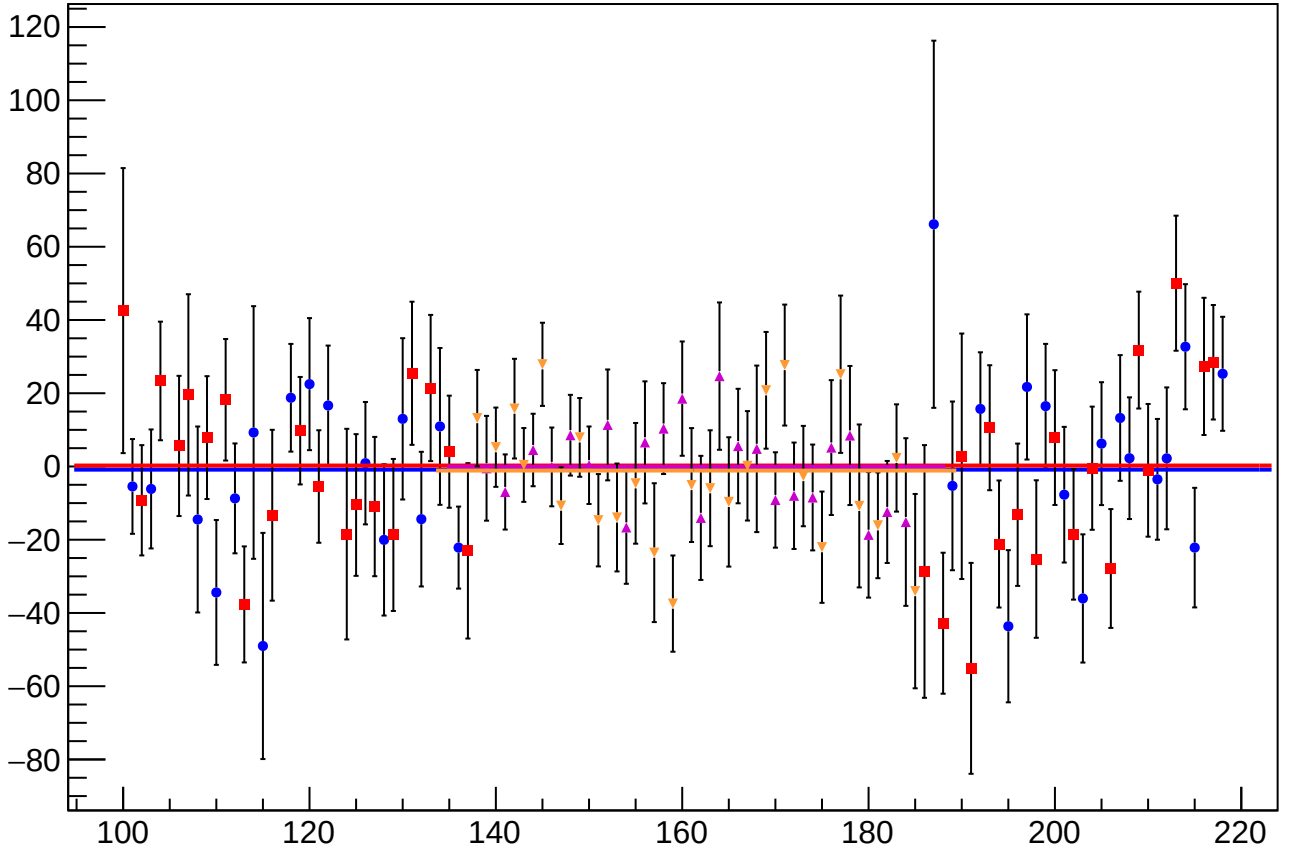
Right: 5451.826+/-0.636 χ^2/NDF: 6342631.0/67

In: 5402.206+/-0.644 χ^2/NDF:4976025.1/54

Out: 5475.246+/-0.645 χ^2/NDF:5635403.0/60

All: 5438.655+/-0.456 χ^2/NDF: 10617852.9/1

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: 0.259+/-3.125 χ^2/NDF: 51.9/35

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

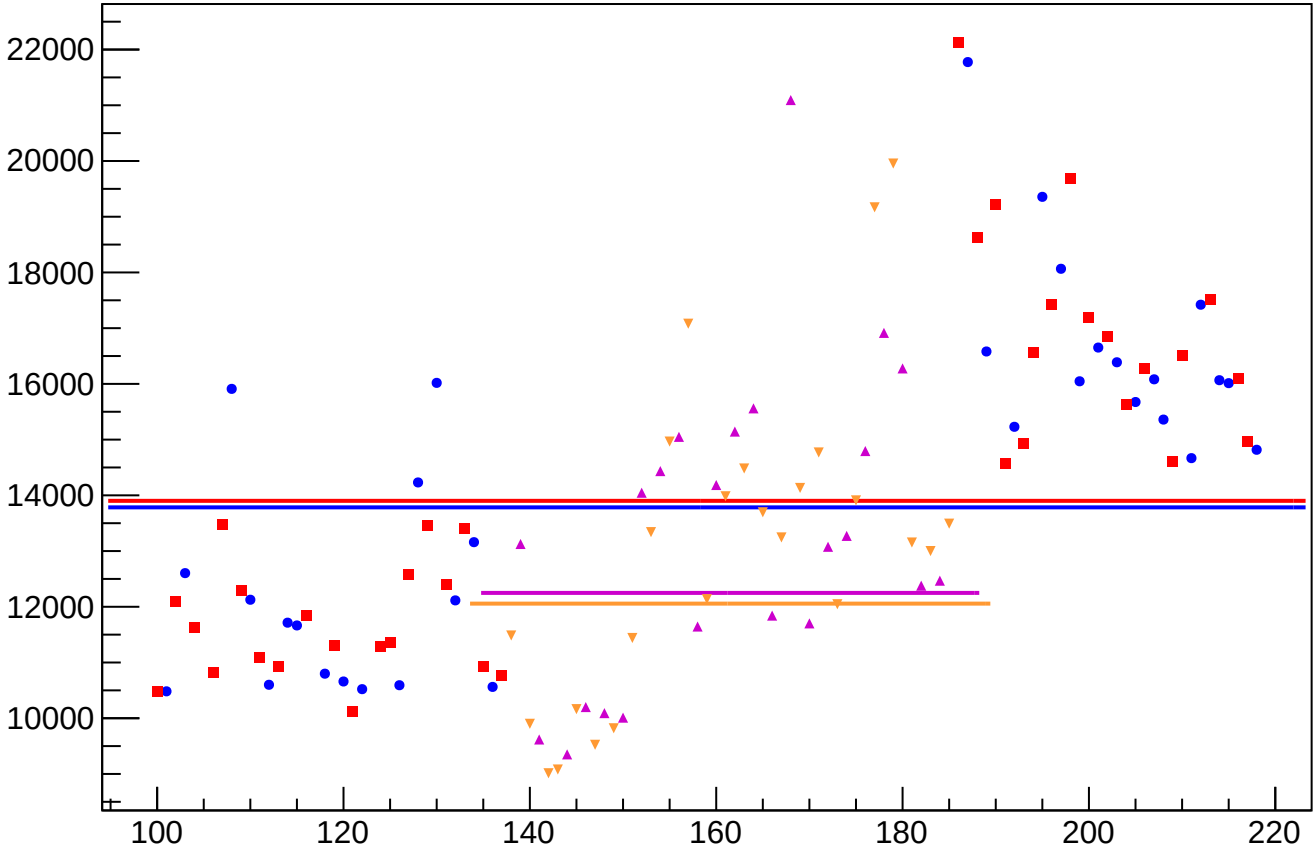
Right: -0.299+/-2.212 χ^2/NDF: 91.5/67

In: -0.446+/-2.138 χ^2/NDF:51.1/54

Out: -0.498+/-2.091 χ^2/NDF:85.8/60

All: -0.473+/-1.495 χ^2/NDF: 136.8/115

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 13784.064+/-2.215 χ^2/NDF: 1475441.9/31

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 13901.300+/-2.209 χ^2/NDF: 1559095.5/35

Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

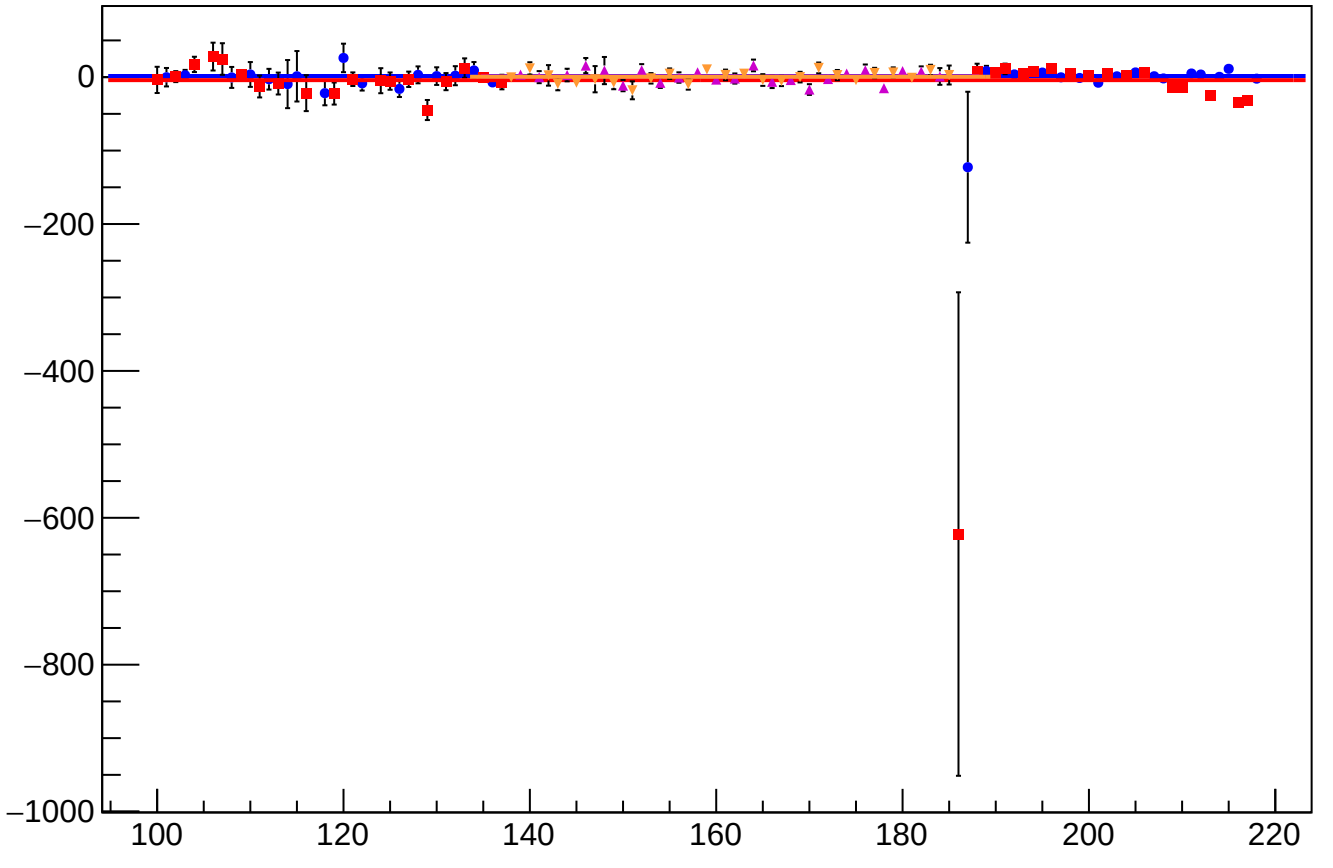
Left: 12149.117+/-1.434 χ^2/NDF: 2982262.4/47

Right: 13842.831+/-1.564 χ^2/NDF: 3035941.6/67

In: 12964.412+/-1.512 χ^2/NDF:3147904.8/54

Out: 12882.507+/-1.478 χ^2/NDF:3505814.4/60

All: 12922.534+/-1.057 χ^2/NDF: 6655219.5/1



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: -4.092+/-1.071 χ^2/NDF: 183.2/35

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

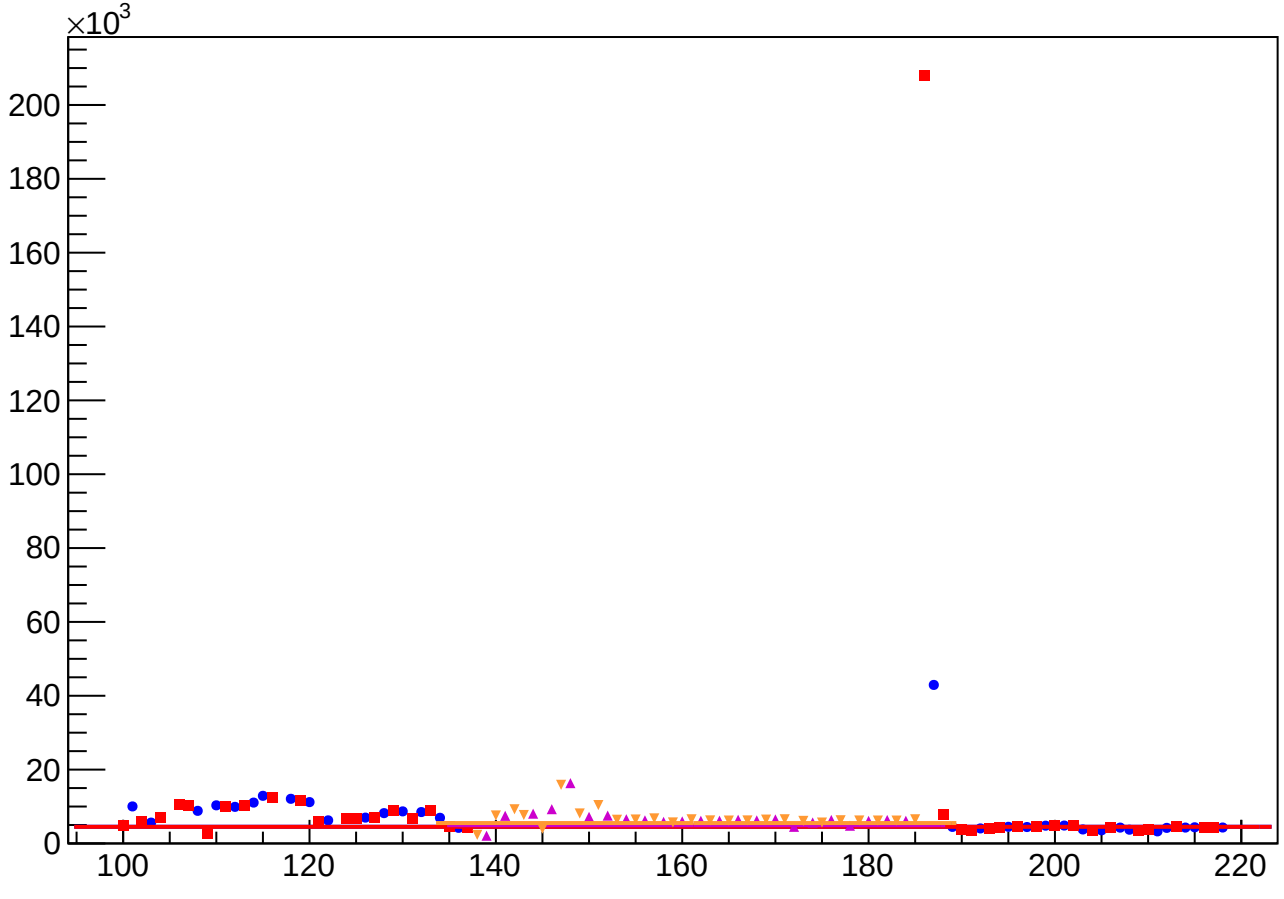
Right: -1.266+/-0.756 χ^2/NDF: 224.3/67

In: 1.300+/-0.824 χ^2/NDF:59.5/54

Out: -2.337+/-0.844 χ^2/NDF:211.7/60

All: -0.475+/-0.589 χ^2/NDF: 280.7/115

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: 4502.708+/-0.758 χ^2/NDF: 4240330.3/35

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

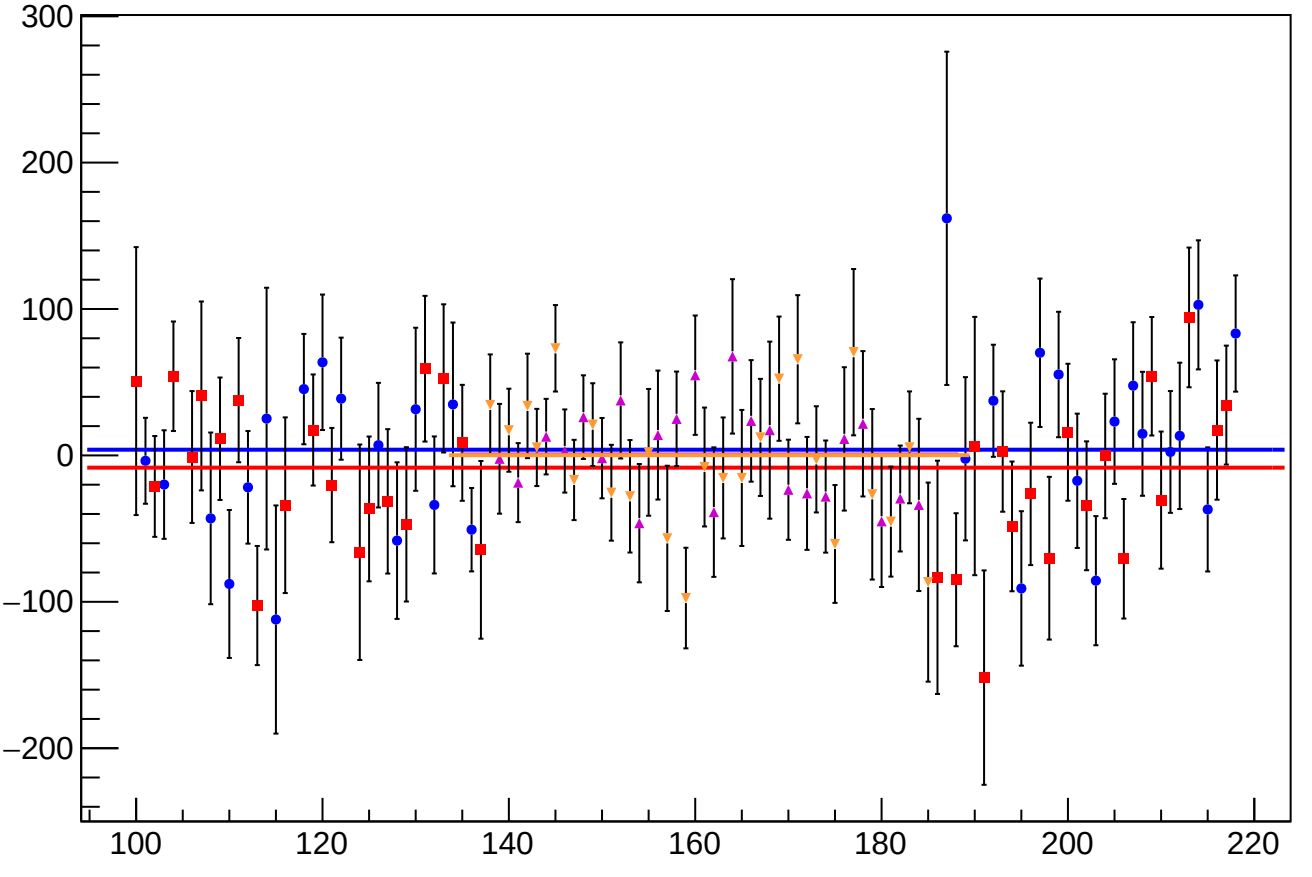
Right: 4512.175+/-0.535 χ^2/NDF: 7970590.1/67

In: 4691.848+/-0.582 χ^2/NDF:9791610.1/54

Out: 4892.266+/-0.597 χ^2/NDF:9311859.5/60

All: 4789.654+/-0.417 χ^2/NDF: 19161252.6/1

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: -8.366+/-7.827 χ^2/NDF: 38.9/35

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

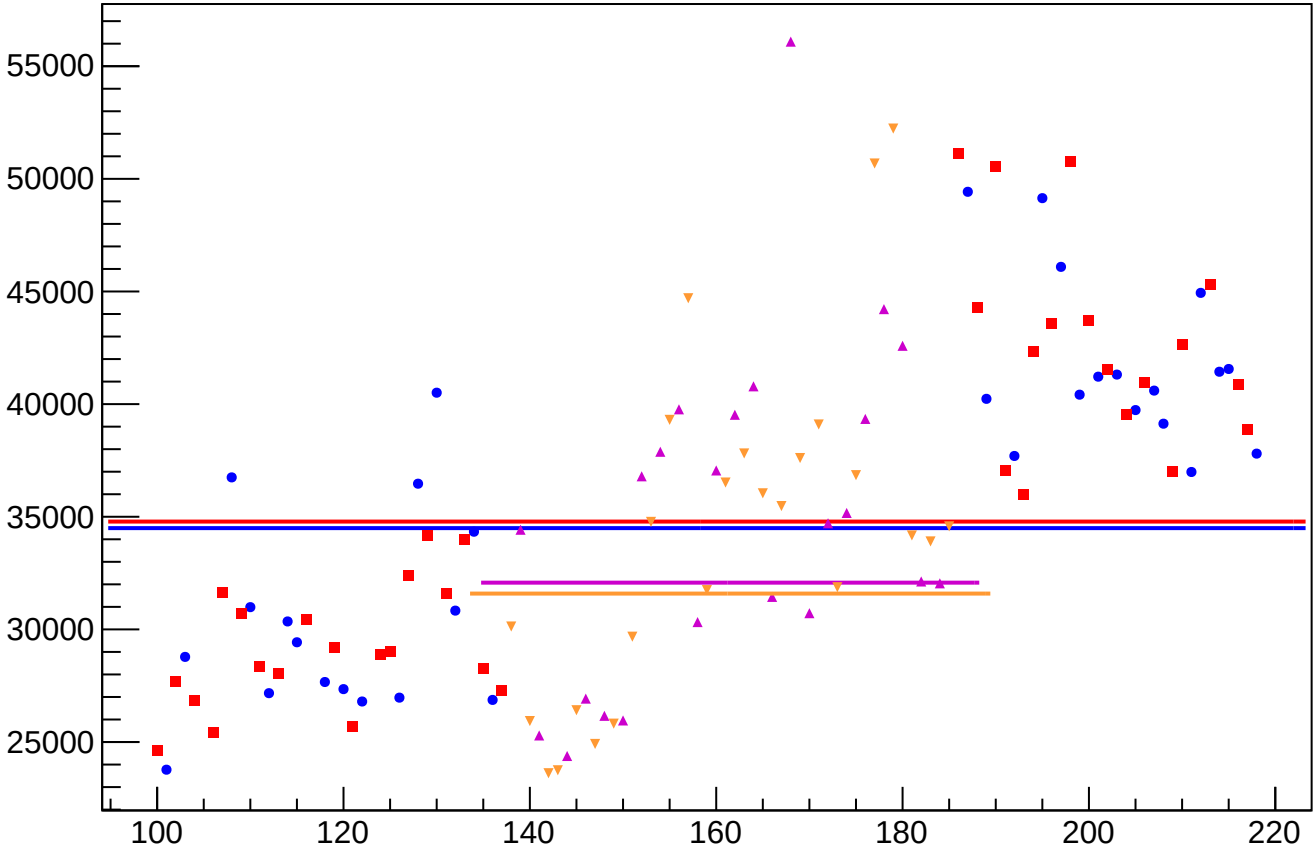
Right: -2.257+/-5.544 χ^2/NDF: 81.8/67

In: 2.201+/-5.487 χ^2/NDF:54.5/54

Out: -3.845+/-5.367 χ^2/NDF:70.7/60

All: -0.889+/-3.837 χ^2/NDF: 125.8/115

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: 34786.645+/-5.534 χ^2/NDF: 1641758.2/35

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

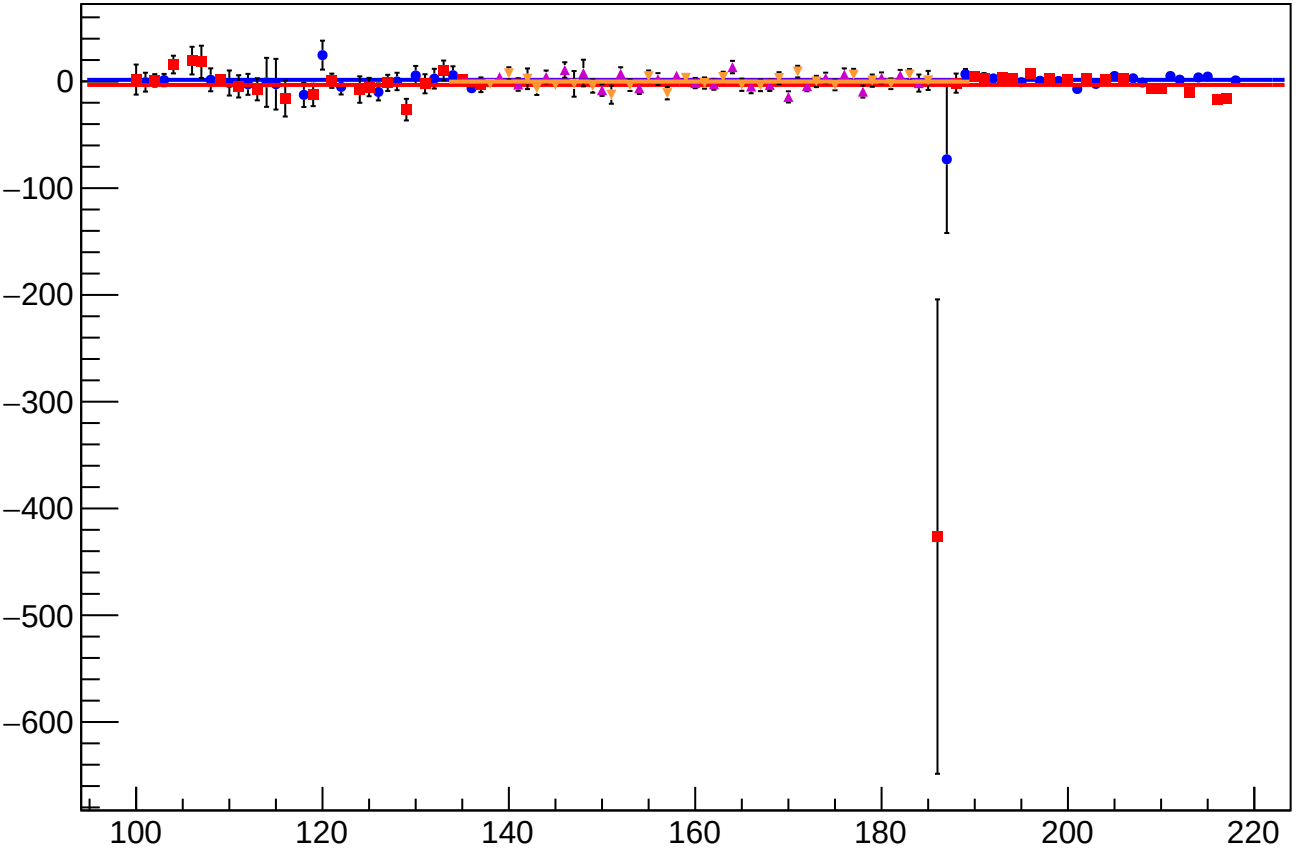
Right: 34641.590+/-3.920 χ^2/NDF: 3246363.4/67

In: 33255.992+/-3.880 χ^2/NDF:3156191.7/54

Out: 33093.302+/-3.795 χ^2/NDF:3409367.5/60

All: 33172.861+/-2.713 χ^2/NDF: 6566457.9/1

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: -3.307+/-0.645 χ^2/NDF: 155.2/35

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

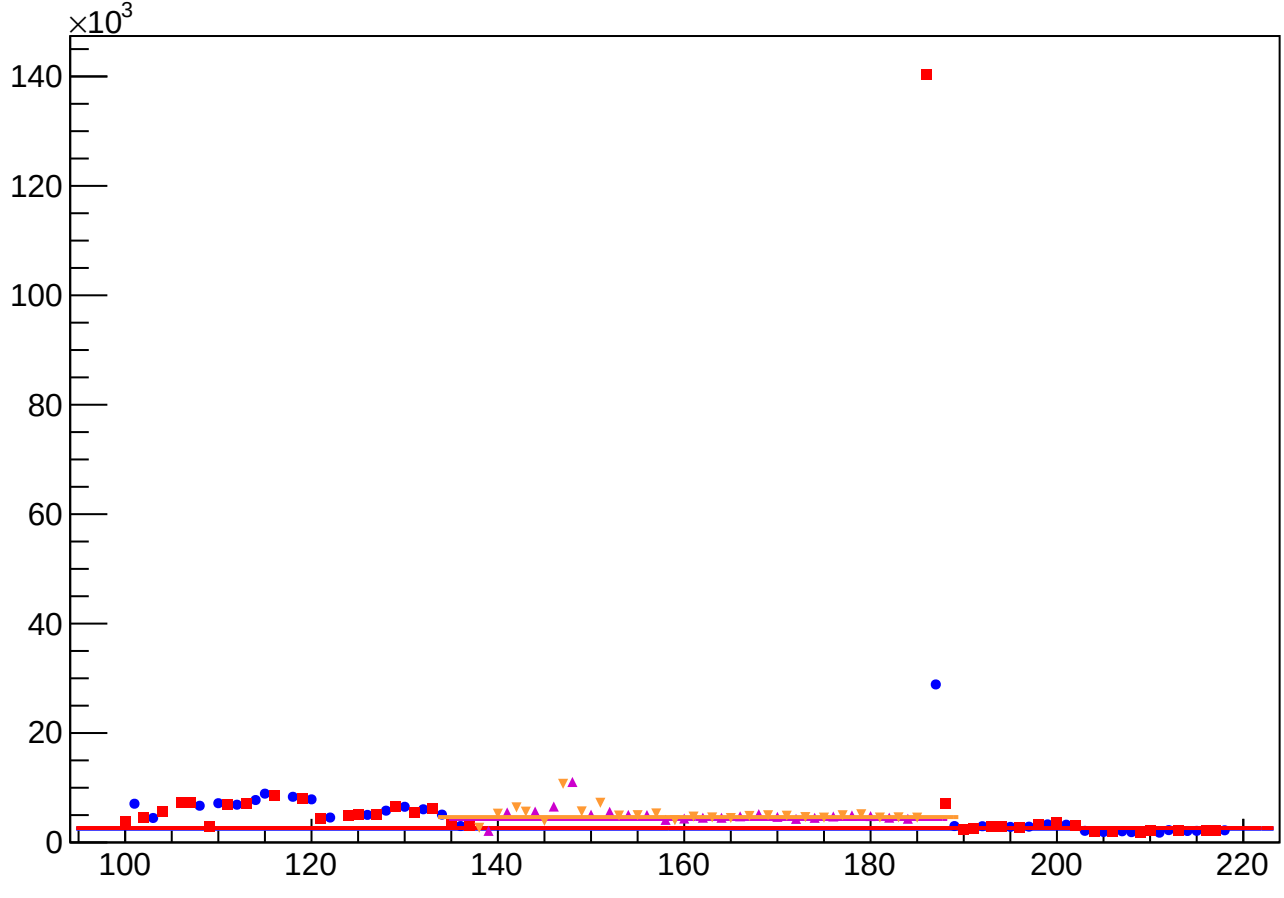
Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

Right: -0.811+/-0.444 χ^2/NDF: 220.7/67

In: 1.279+/-0.531 χ^2/NDF:71.1/54

Out: -2.512+/-0.556 χ^2/NDF:181.0/60

All: -0.530+/-0.384 χ^2/NDF: 276.4/115



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: 2638.809+/-0.456 χ^2/NDF: 6489395.8/35

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

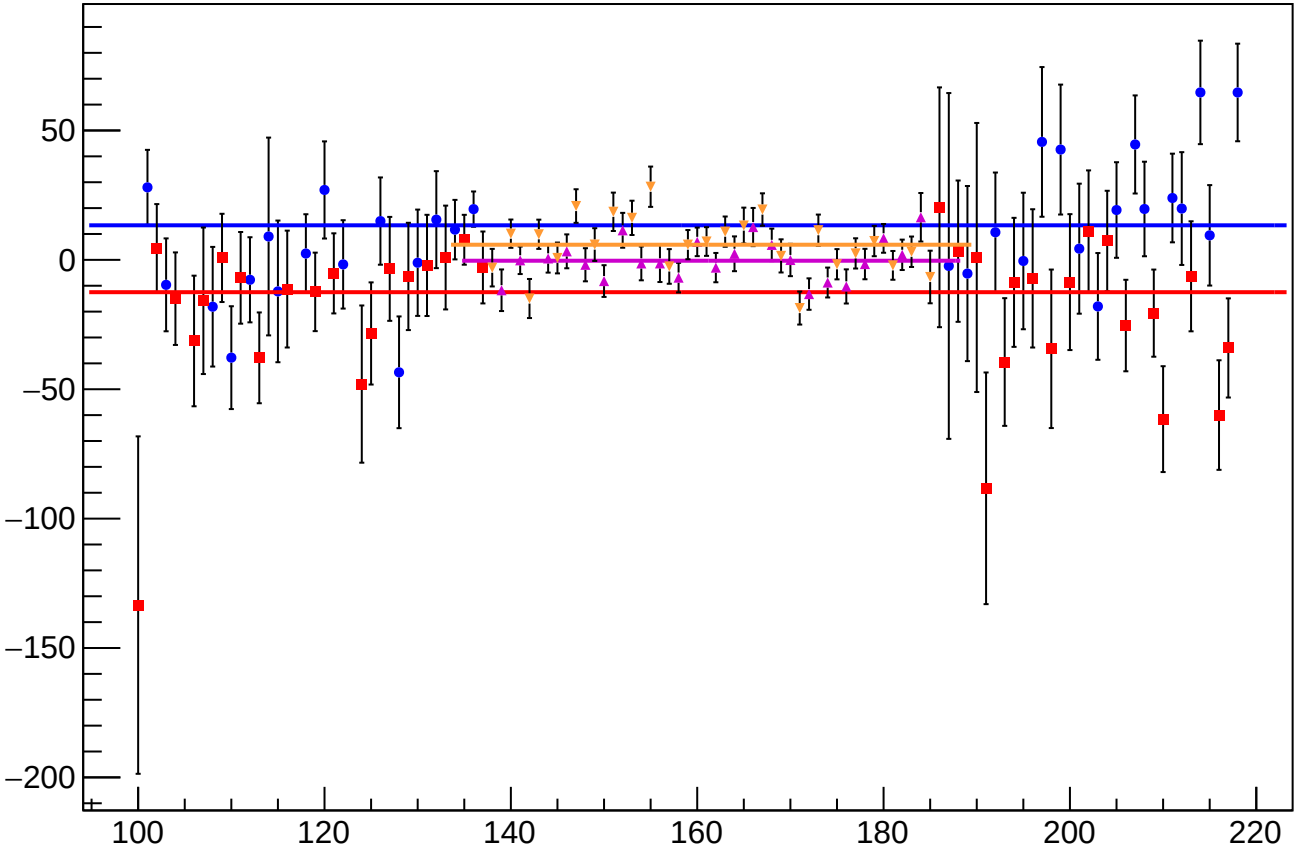
Right: 2571.687+/-0.314 χ^2/NDF: 12572930.4/67

In: 2957.670+/-0.375 χ^2/NDF:13379866.0/54

Out: 3154.274+/-0.393 χ^2/NDF:13206482.9/60

All: 3051.471+/-0.271 χ^2/NDF: 26717320.7/1

diff_bpm16X_mean vs Slug, Sign Corrected



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: -12.493+/-3.332 χ^2/NDF: 36.5/35

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

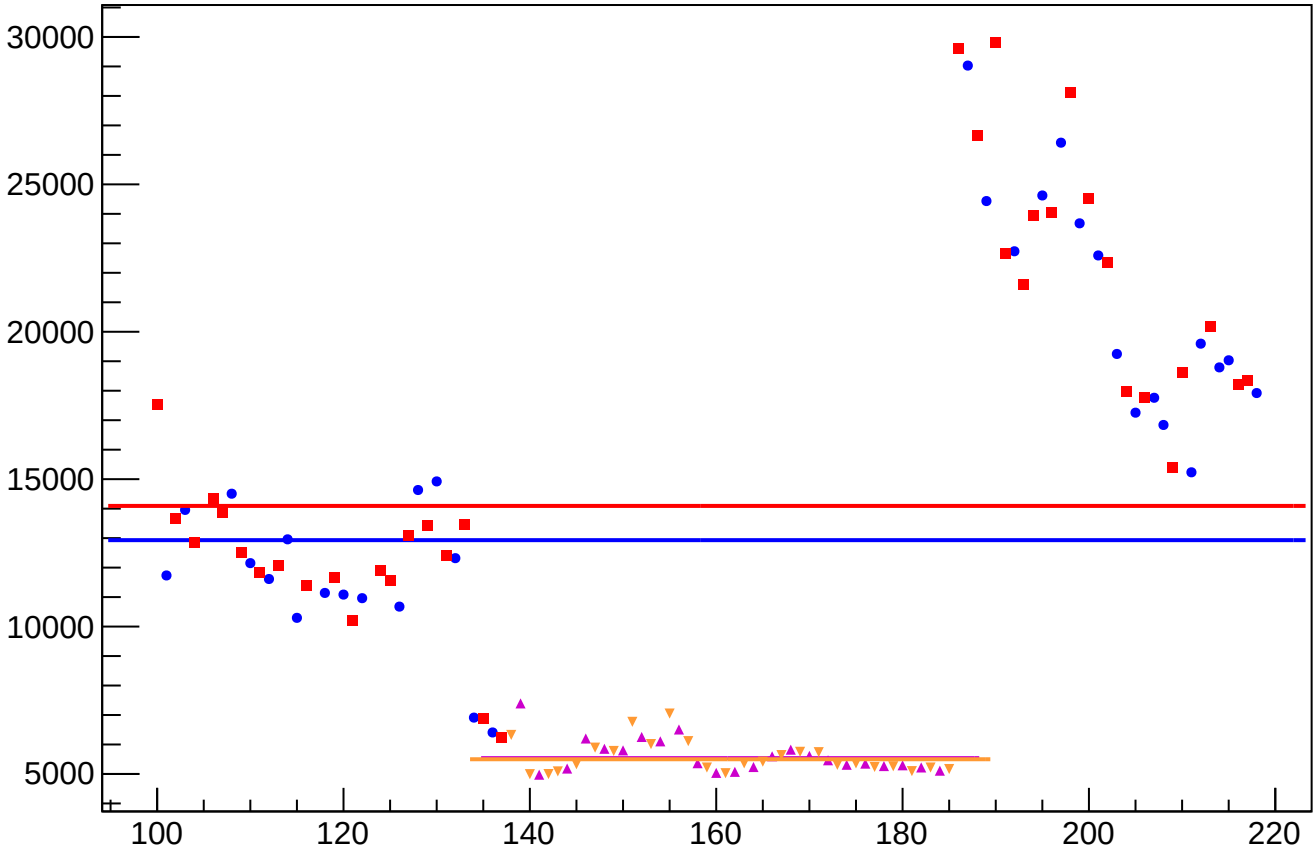
Right: 1.223+/-2.283 χ^2/NDF: 115.3/67

In: 1.676+/-1.201 χ^2/NDF:92.6/54

Out: 3.562+/-1.176 χ^2/NDF:123.0/60

All: 2.639+/-0.841 χ^2/NDF: 216.9/115

diff_bpm16X_rms vs Slug, Sign Corrected



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: 14092.718+/-2.356 χ^2/NDF: 5394141.2/35

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

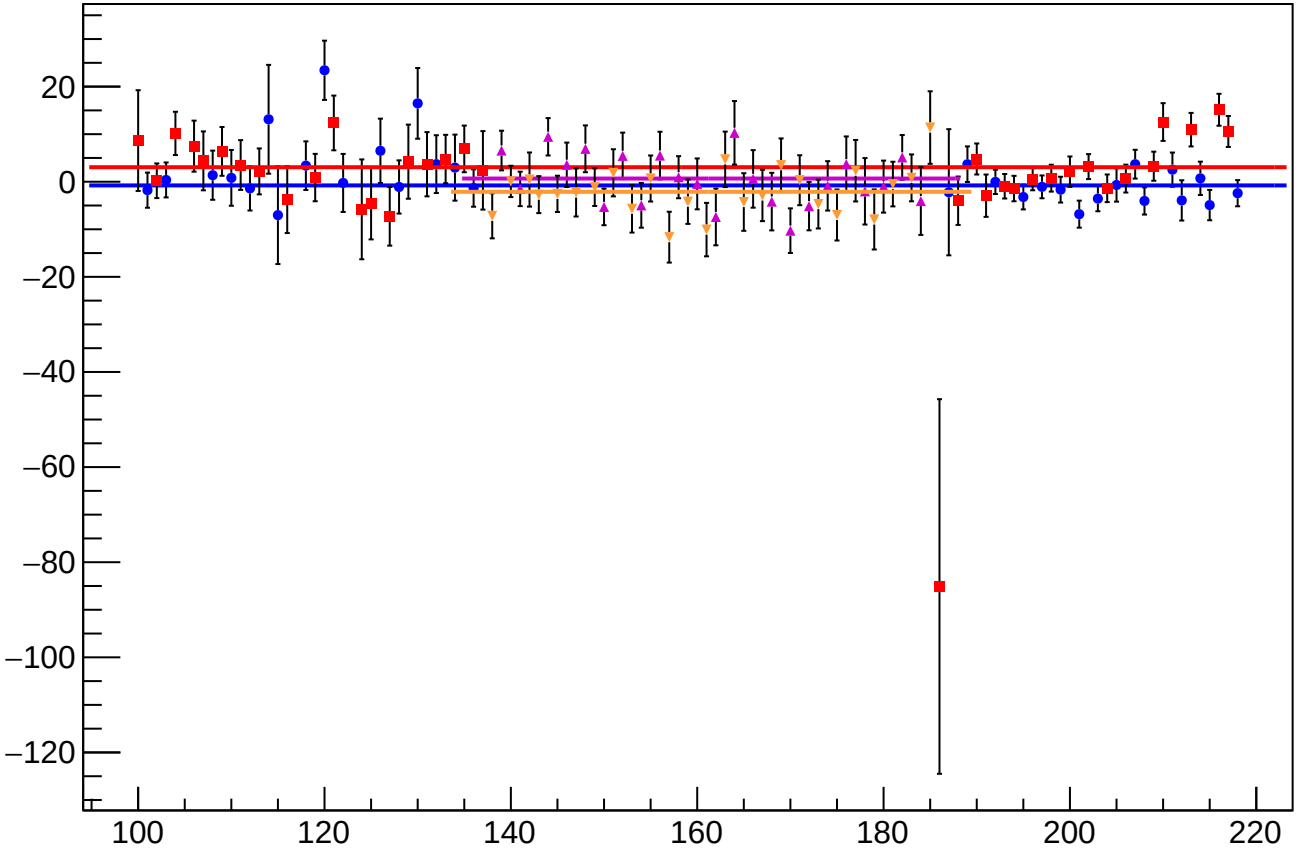
Right: 13476.354+/-1.614 χ^2/NDF: 11555938.4/67

In: 6624.663+/-0.849 χ^2/NDF:15835241.2/54

Out: 6570.640+/-0.832 χ^2/NDF:17338807.1/60

All: 6597.084+/-0.594 χ^2/NDF: 33176112.9/1

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: 3.053+/-0.662 χ^2/NDF: 61.8/35

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

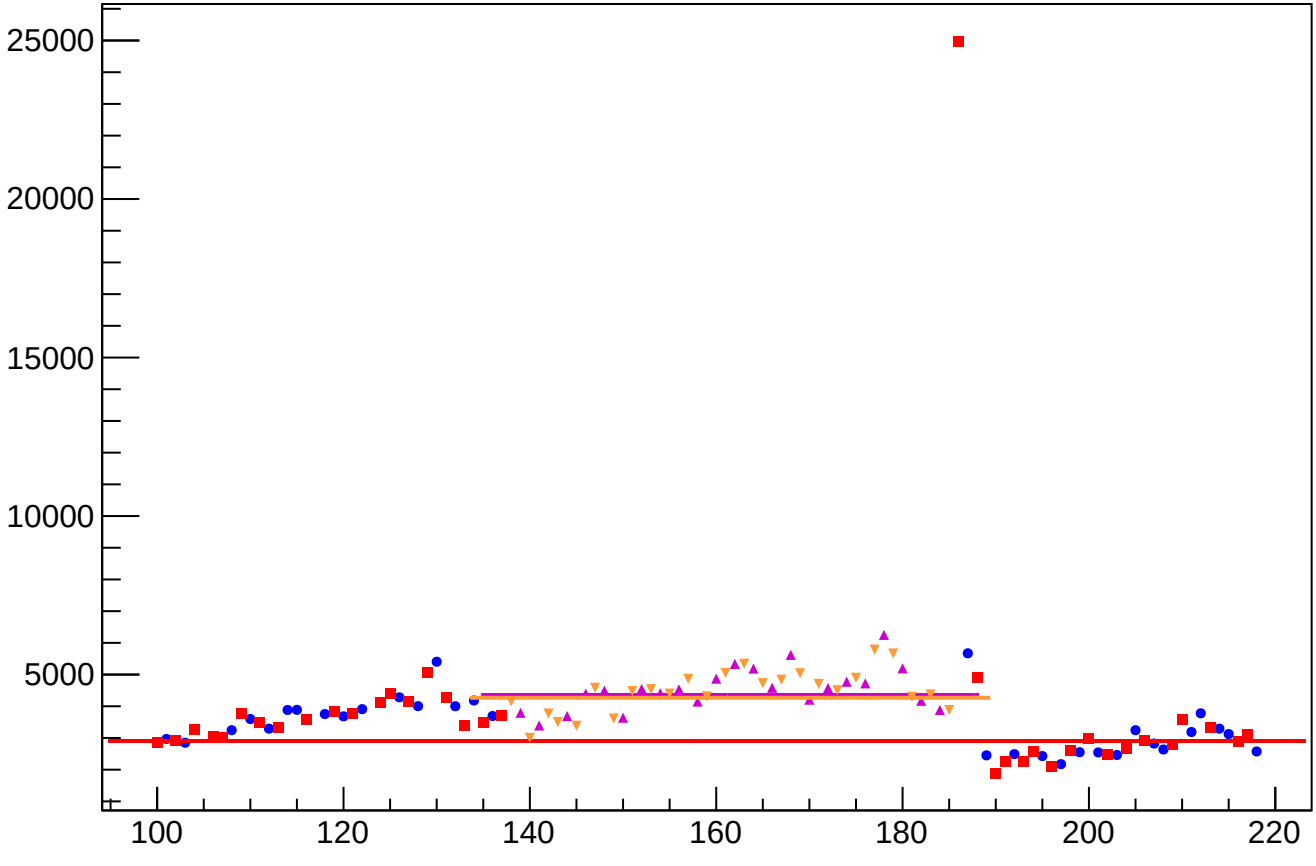
Right: 1.147+/-0.469 χ^2/NDF: 119.2/67

In: -0.351+/-0.558 χ^2/NDF:70.4/54

Out: 1.451+/-0.550 χ^2/NDF:98.2/60

All: 0.564+/-0.392 χ^2/NDF: 173.9/115

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: 2904.309+/-0.468 χ^2/NDF: 2522917.4/35

Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

Left: 4309.839+/-0.504 χ^2/NDF: 1785408.9/47

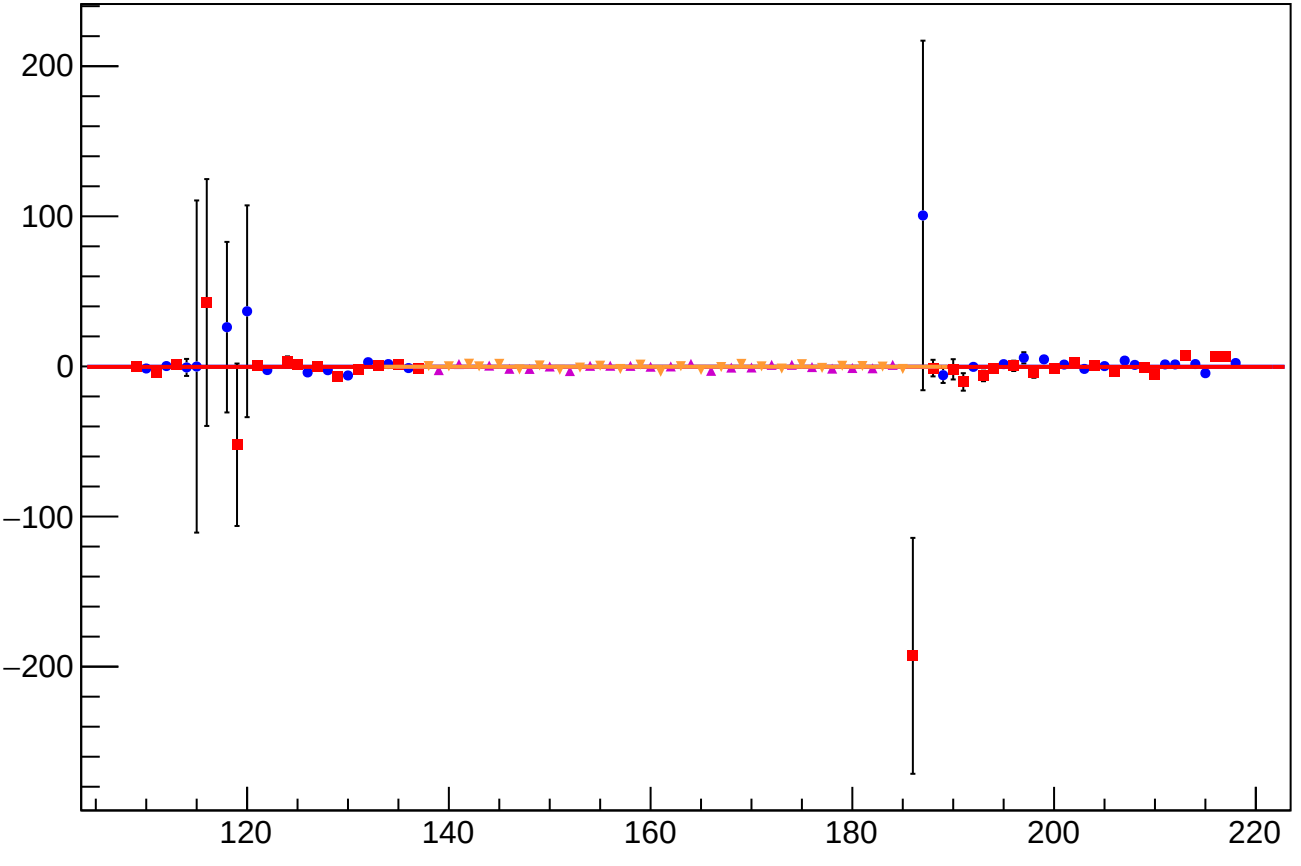
Right: 2904.246+/-0.332 χ^2/NDF: 4089140.1/67

In: 3330.266+/-0.395 χ^2/NDF:5111248.5/54

Out: 3326.793+/-0.389 χ^2/NDF:6189473.3/60

All: 3328.502+/-0.277 χ^2/NDF: 11300761.1/1

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: -0.321+/-0.507 χ^2/NDF: 57.3/30

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

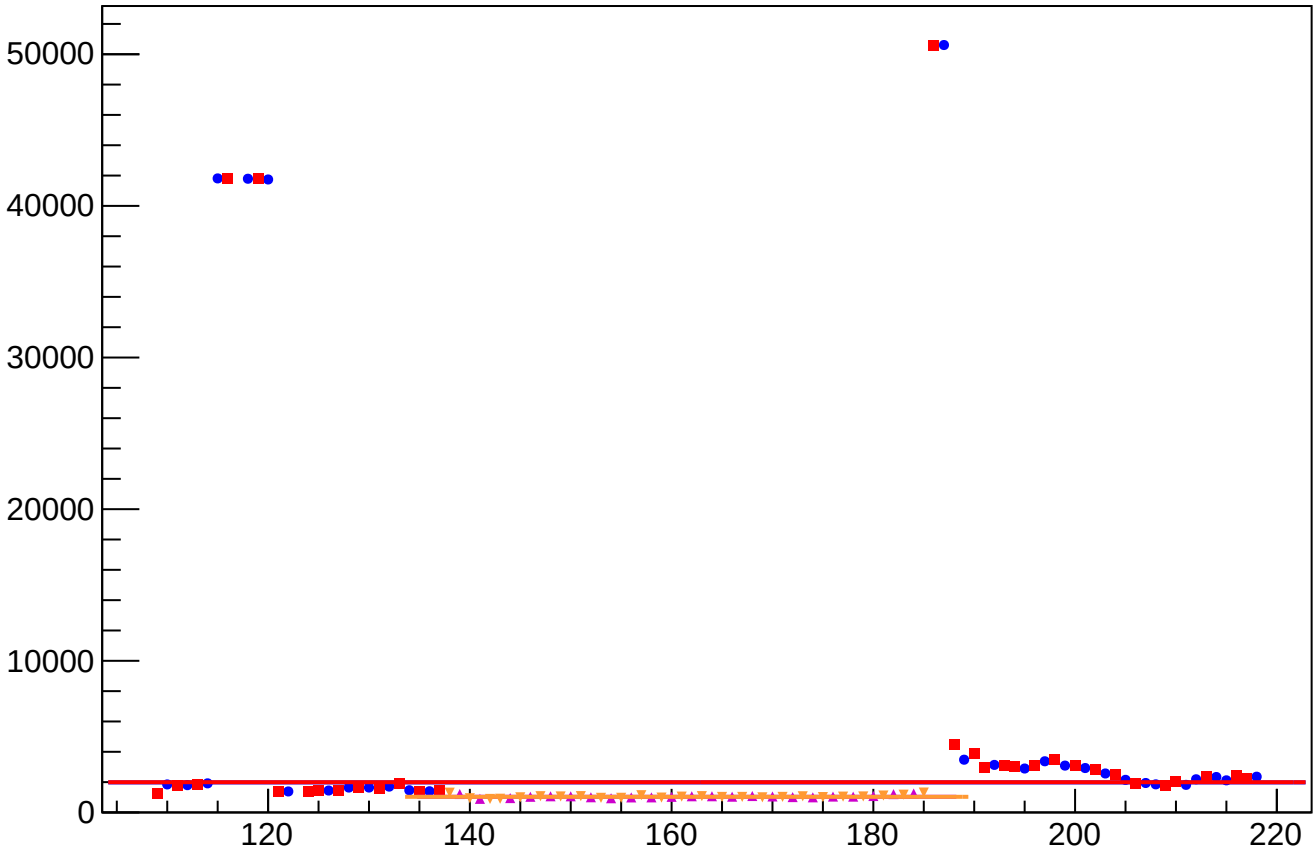
Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

Right: -0.257+/-0.354 χ^2/NDF: 89.9/59

In: -0.307+/-0.217 χ^2/NDF:62.1/51

Out: -0.222+/-0.214 χ^2/NDF:91.3/55

All: -0.264+/-0.152 χ^2/NDF: 153.5/107



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: 1994.644+/-0.358 χ^2/NDF: 5493941.8/30

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

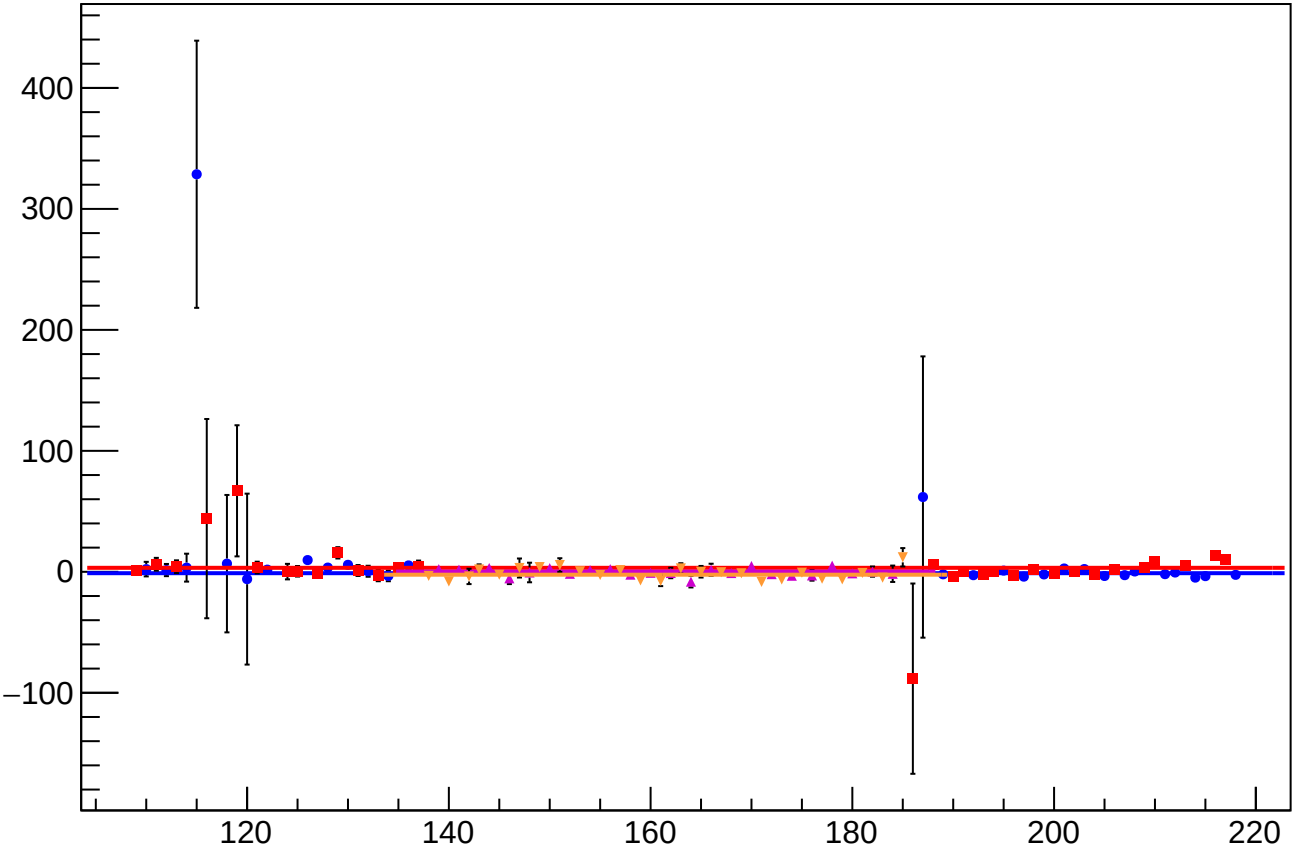
Right: 1987.096+/-0.250 χ^2/NDF: 10019872.4/59

In: 1216.365+/-0.154 χ^2/NDF:10645105.9/51

Out: 1202.483+/-0.151 χ^2/NDF:11677787.7/55

All: 1209.300+/-0.108 χ^2/NDF: 22327043.1/

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: 3.311+/-0.436 χ^2/NDF: 125.6/30

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

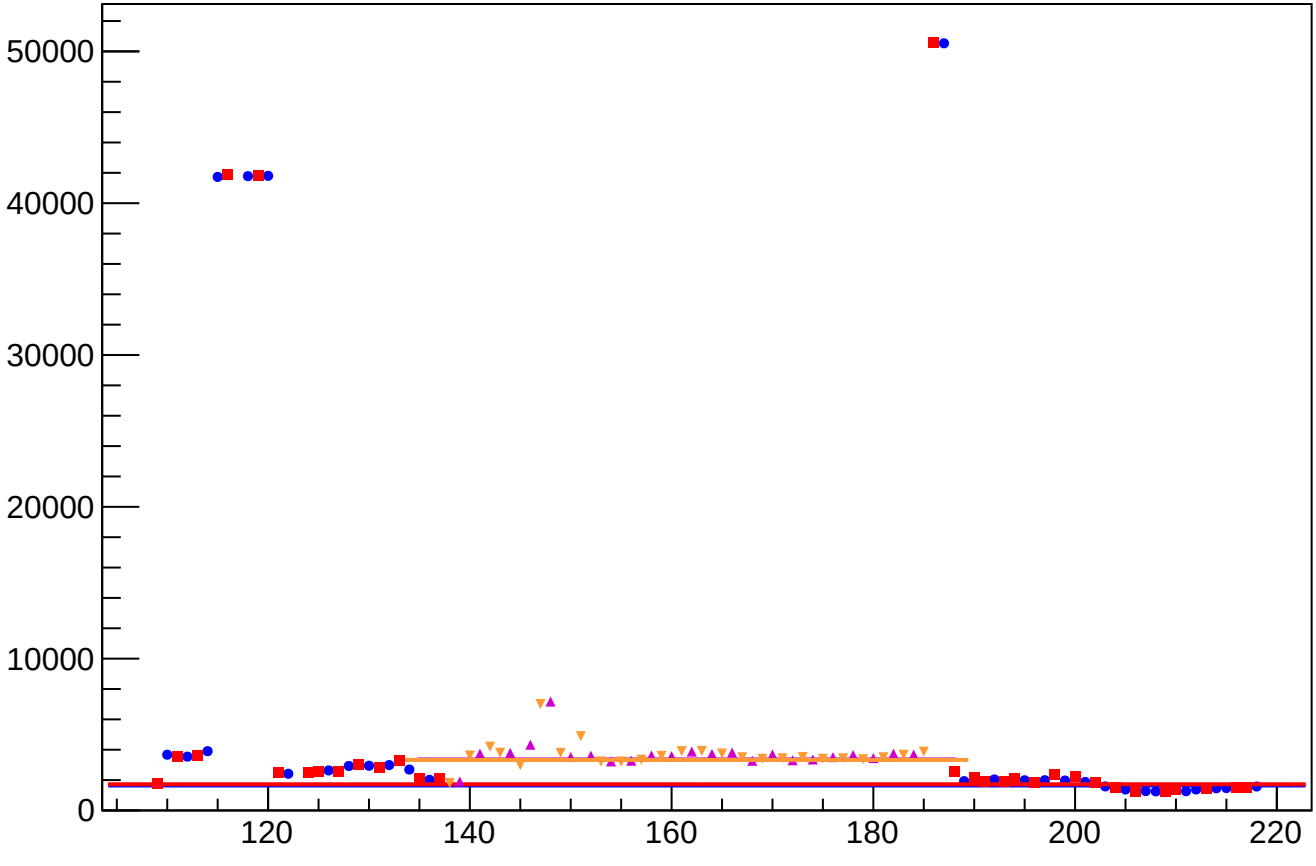
Right: 0.965+/-0.300 χ^2/NDF: 236.7/59

In: -0.866+/-0.368 χ^2/NDF:71.0/51

Out: 1.961+/-0.381 χ^2/NDF:190.3/55

All: 0.497+/-0.264 χ^2/NDF: 289.7/107

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: 1724.850+/-0.308 χ^2/NDF: 4818865.8/30

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

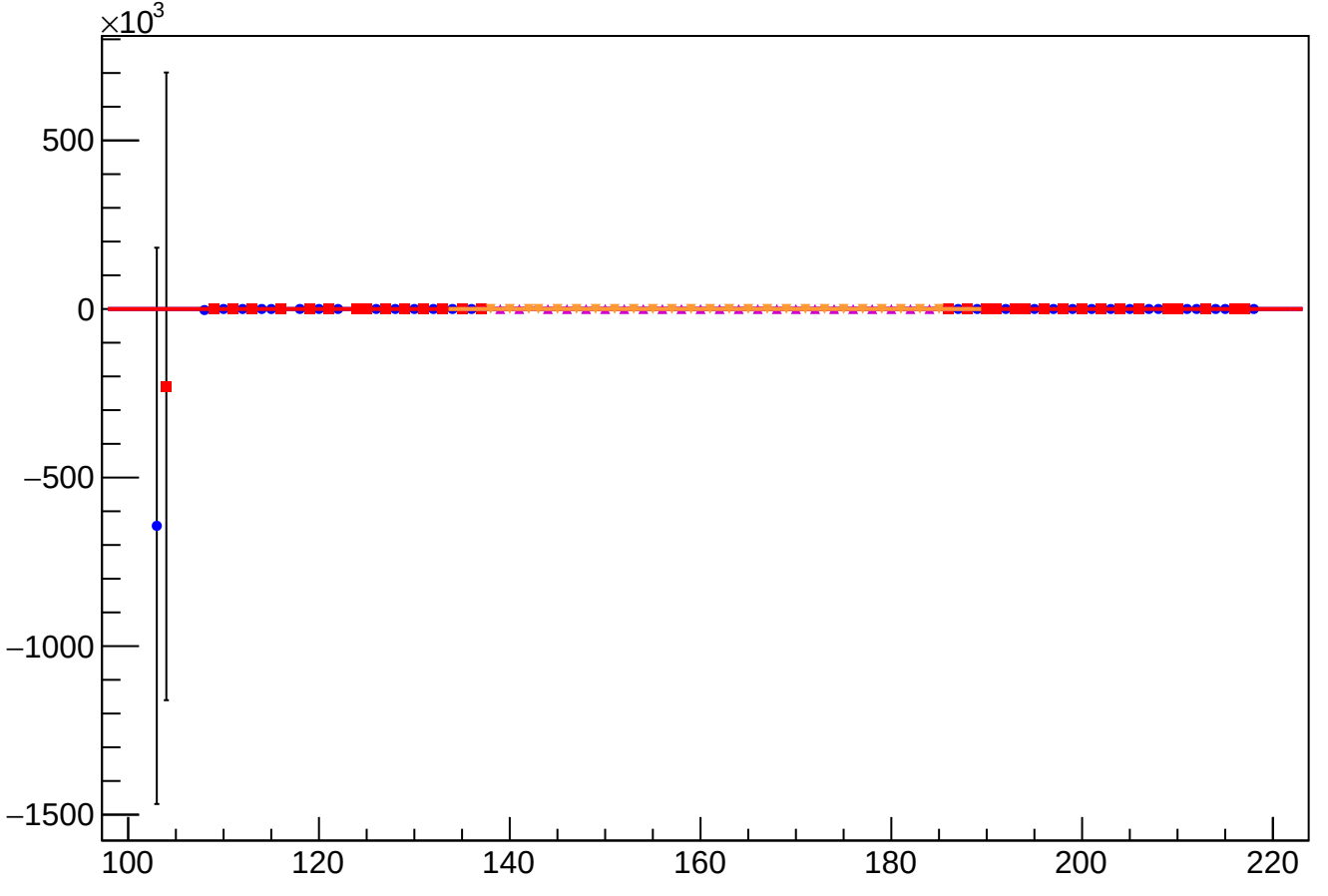
Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

Right: 1683.756+/-0.212 χ^2/NDF: 9545434.1/59

In: 2000.212+/-0.260 χ^2/NDF:13457181.6/51

Out: 2105.129+/-0.269 χ^2/NDF:13146914.1/55

All: 2050.803+/-0.187 χ^2/NDF: 26682675.1/



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: 3.181+/-0.545 χ^2/NDF: 66.3/31

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

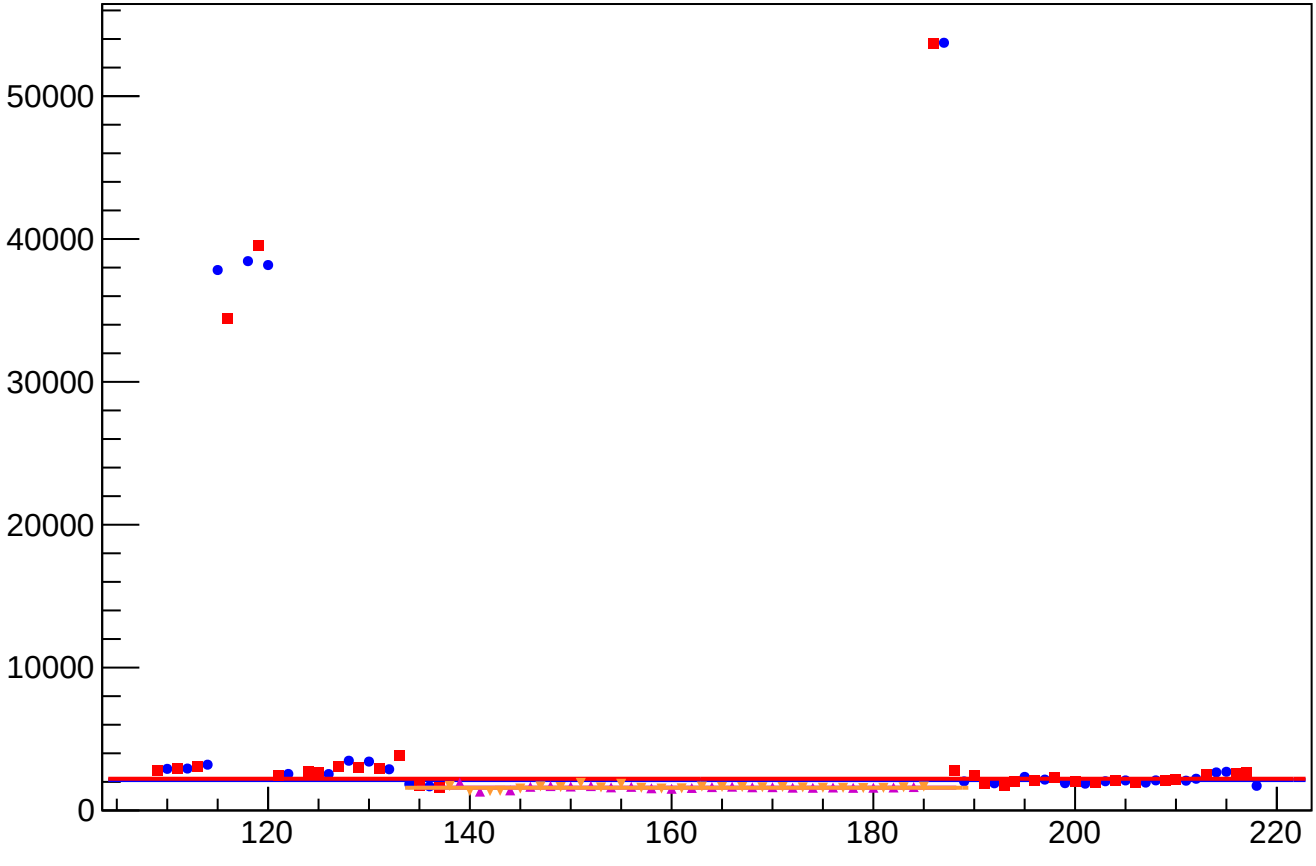
Right: 0.295+/-0.377 χ^2/NDF: 165.1/62

In: -0.813+/-0.304 χ^2/NDF:85.5/53

Out: -0.111+/-0.302 χ^2/NDF:169.3/56

All: -0.459+/-0.214 χ^2/NDF: 257.5/110

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: 2219.920+/-0.385 χ^2/NDF: 3370113.7/30

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

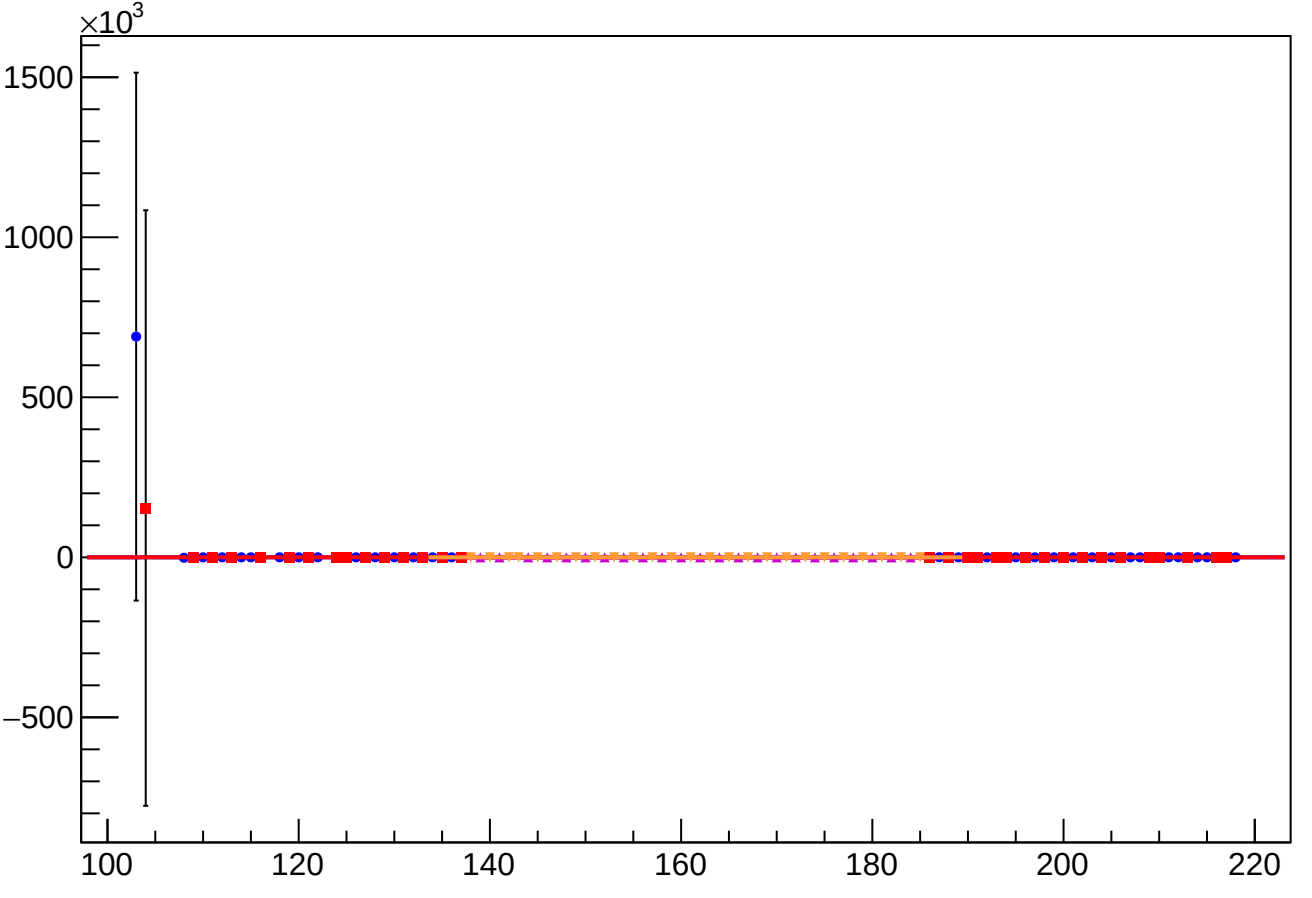
Right: 2170.823+/-0.267 χ^2/NDF: 6630585.2/59

In: 1775.654+/-0.215 χ^2/NDF:4781305.5/51

Out: 1783.390+/-0.214 χ^2/NDF:5459013.6/55

All: 1779.553+/-0.152 χ^2/NDF: 10240970.1/1

diff_bpm1p03aY_mean vs Slug, Sign Corrected



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: 1.536+/-0.358 χ^2/NDF: 61.1/31

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

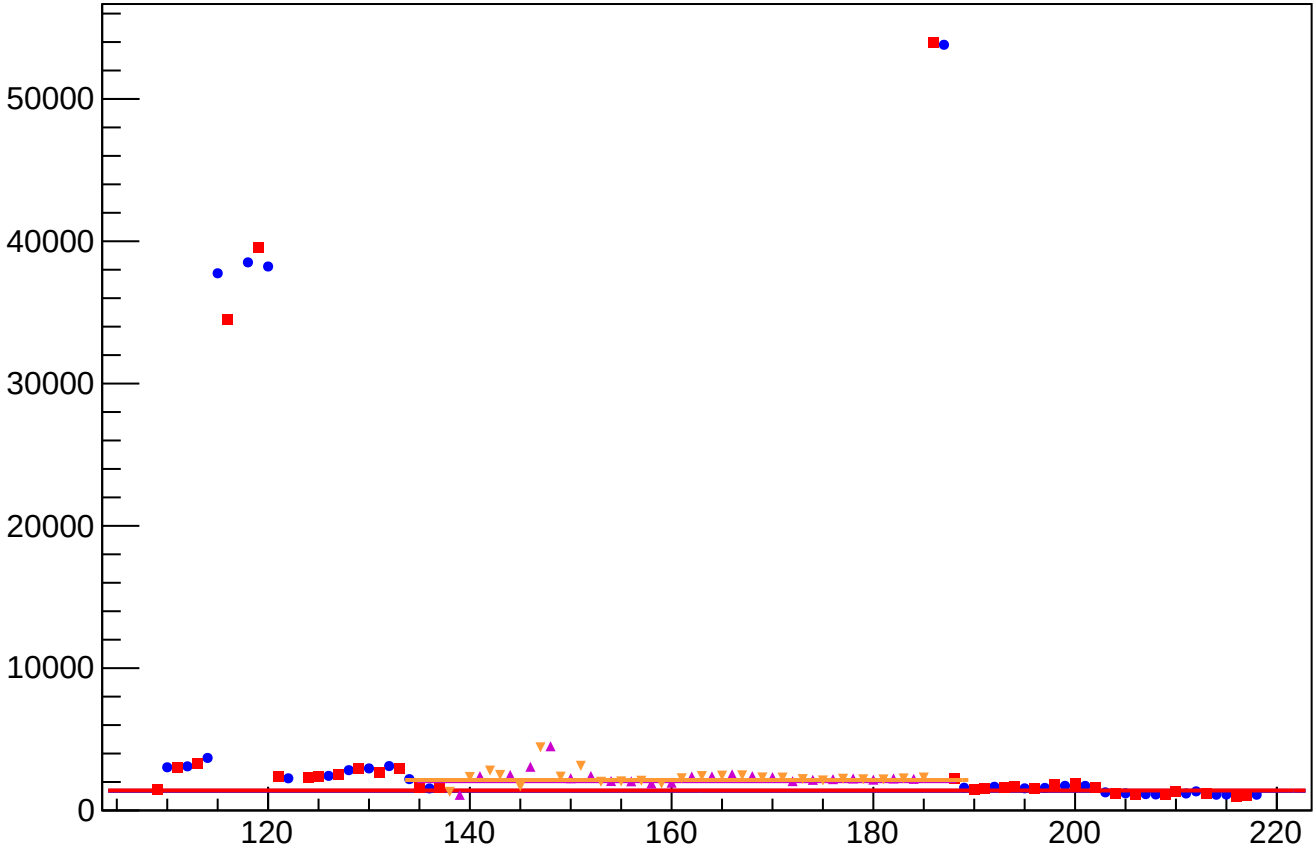
Right: 0.594+/-0.249 χ^2/NDF: 103.3/62

In: -0.236+/-0.285 χ^2/NDF:45.8/53

Out: 0.622+/-0.292 χ^2/NDF:104.9/56

All: 0.184+/-0.204 χ^2/NDF: 155.1/110

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: 1404.743+/-0.253 χ^2/NDF: 5306264.9/30

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

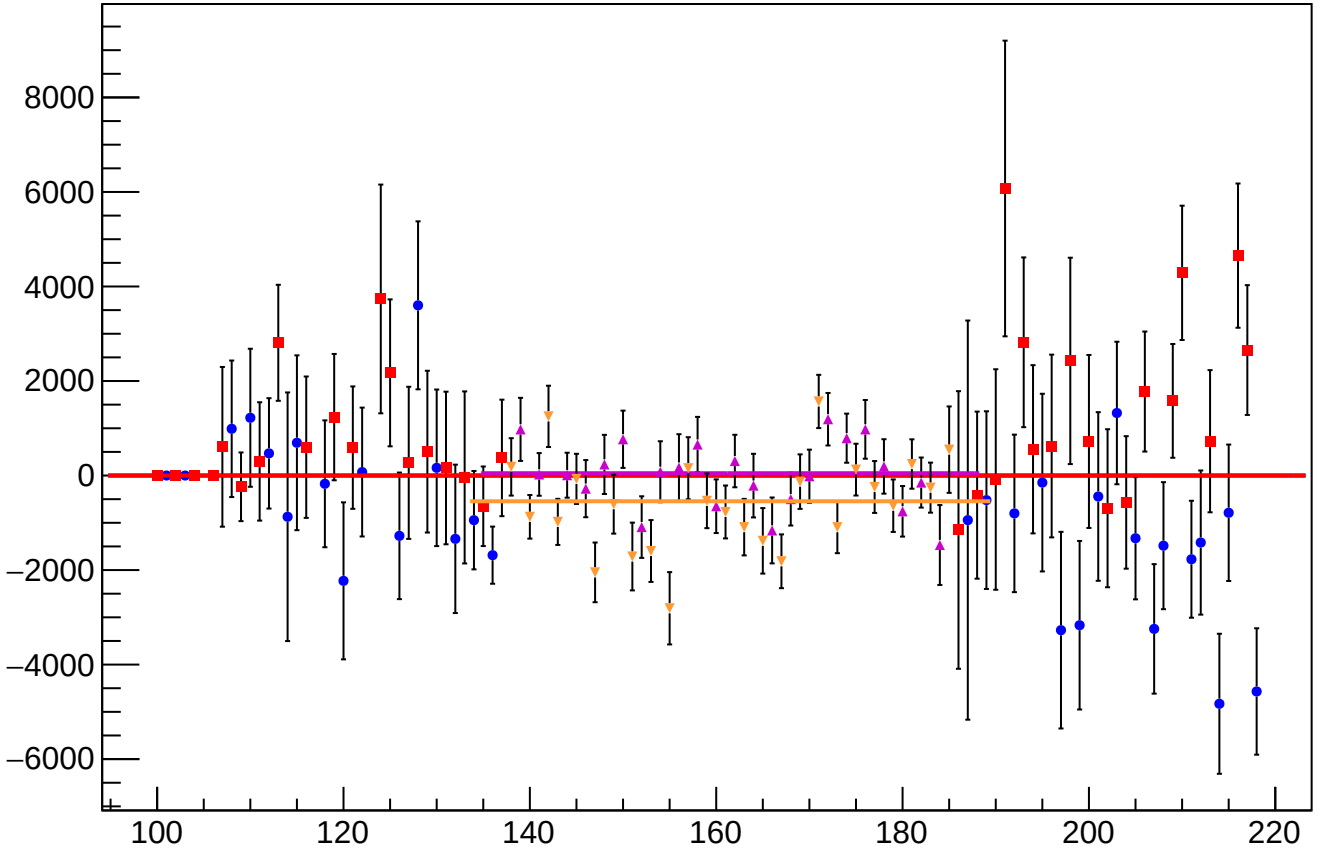
Right: 1391.089+/-0.176 χ^2/NDF: 10258315.3/59

In: 1598.291+/-0.202 χ^2/NDF:9729330.3/51

Out: 1651.979+/-0.206 χ^2/NDF:9621419.3/55

All: 1624.540+/-0.144 χ^2/NDF: 19385418.6/

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: 49.8/35

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

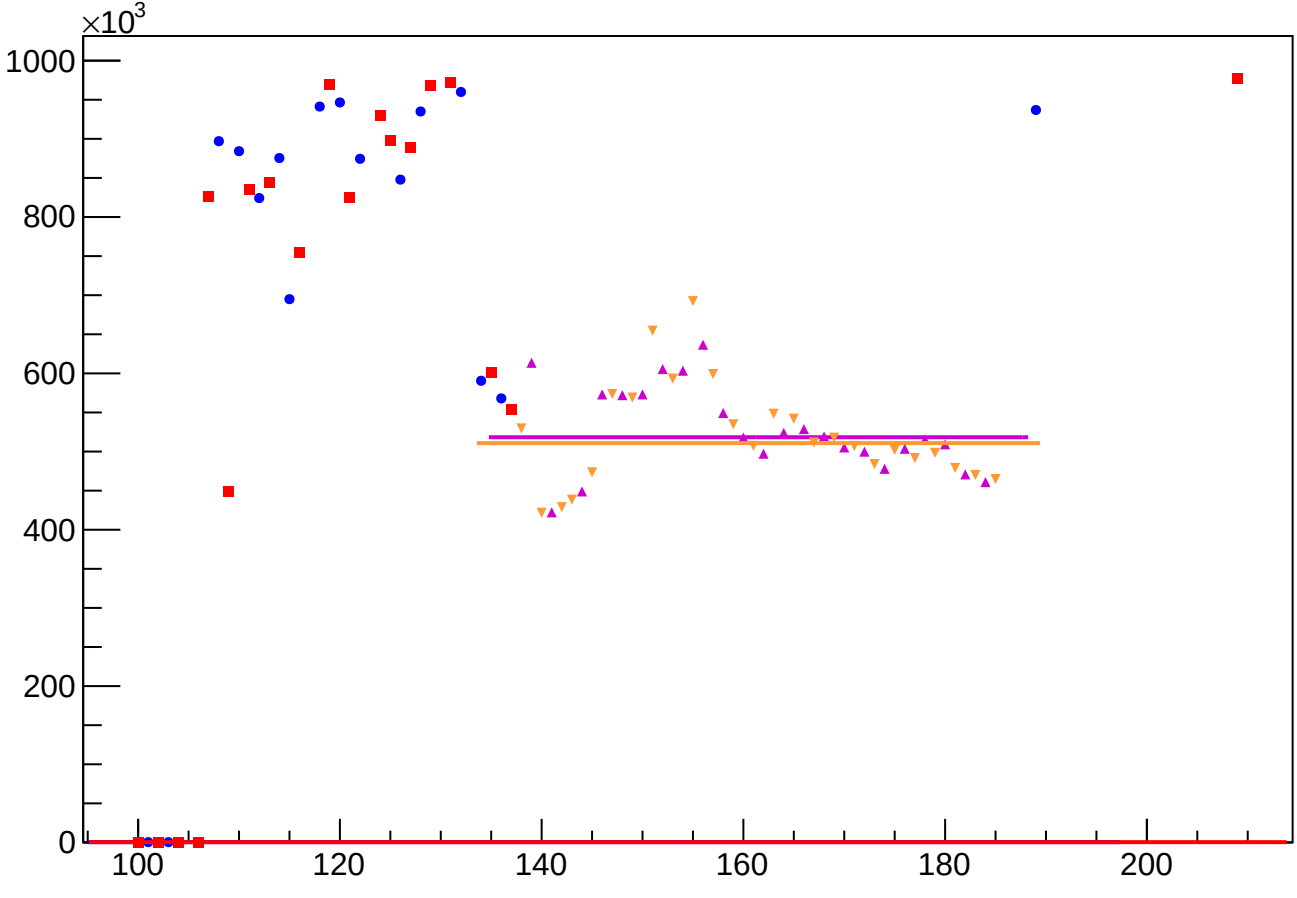
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 108.3/67

In: 0.254+/-0.356 χ^2/NDF:86.1/54

Out: -0.099+/-0.328 χ^2/NDF:132.3/60

All: 0.063+/-0.241 χ^2/NDF: 218.9/115



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

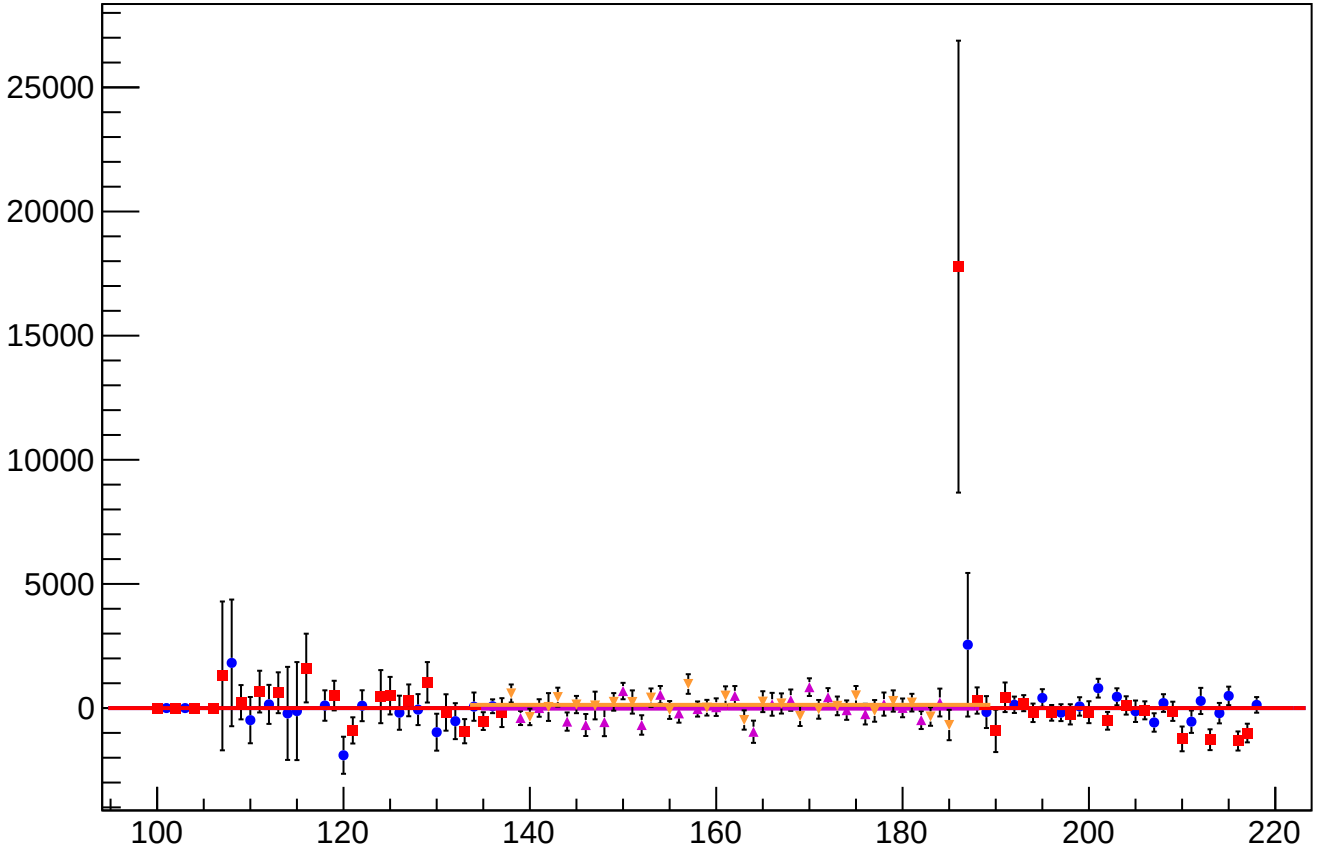
Right: 395.838+/-0.170 χ^2/NDF: 16370006.0/34

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: -0.602+/-0.324 χ^2/NDF: 59.2/35

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

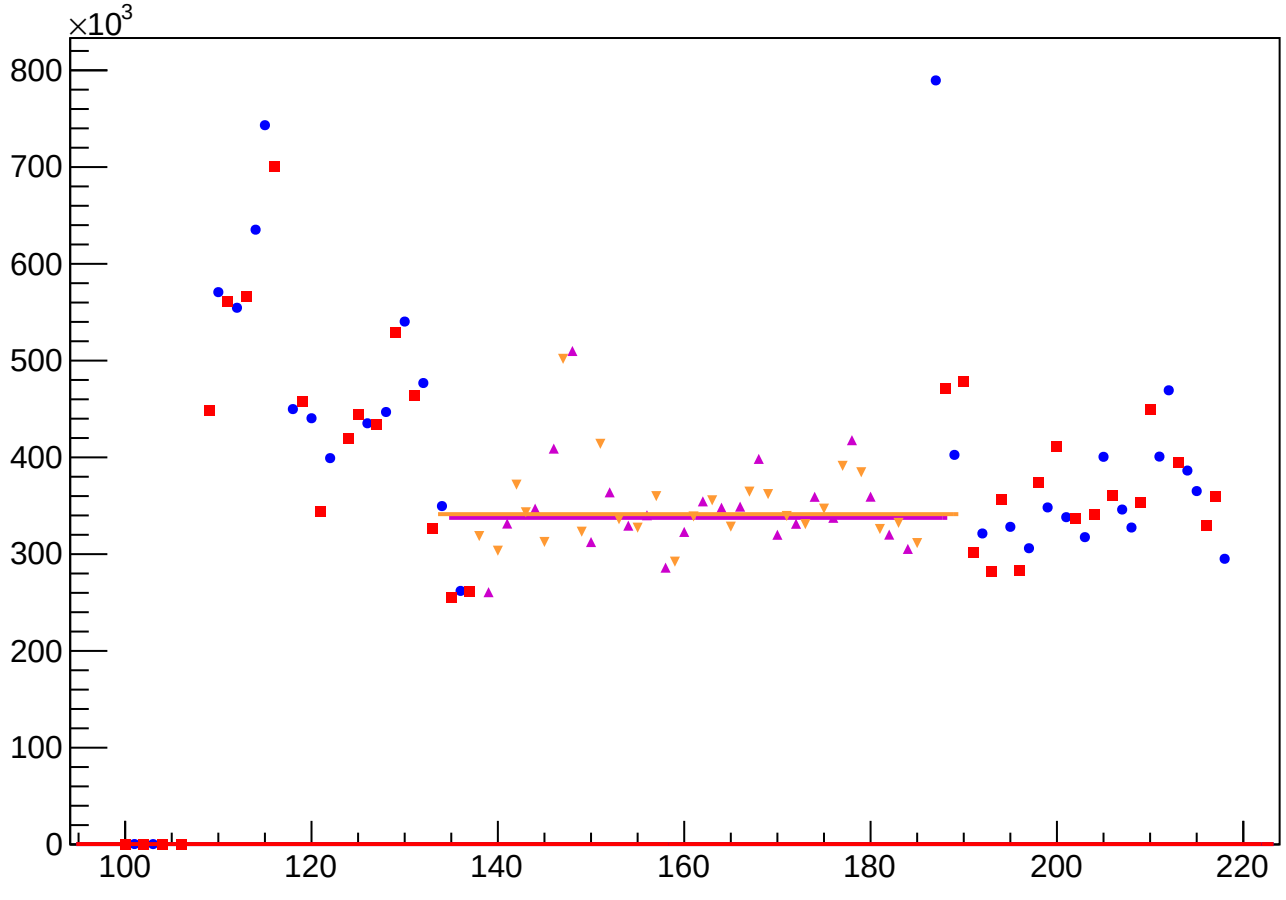
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.331+/-0.237 χ^2/NDF: 86.8/67

In: -0.019+/-0.347 χ^2/NDF:59.9/54

Out: -0.600+/-0.324 χ^2/NDF:82.0/60

All: -0.330+/-0.237 χ^2/NDF: 143.4/115



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: 391.618+/-0.229 χ^2/NDF: 35917907.9/33

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

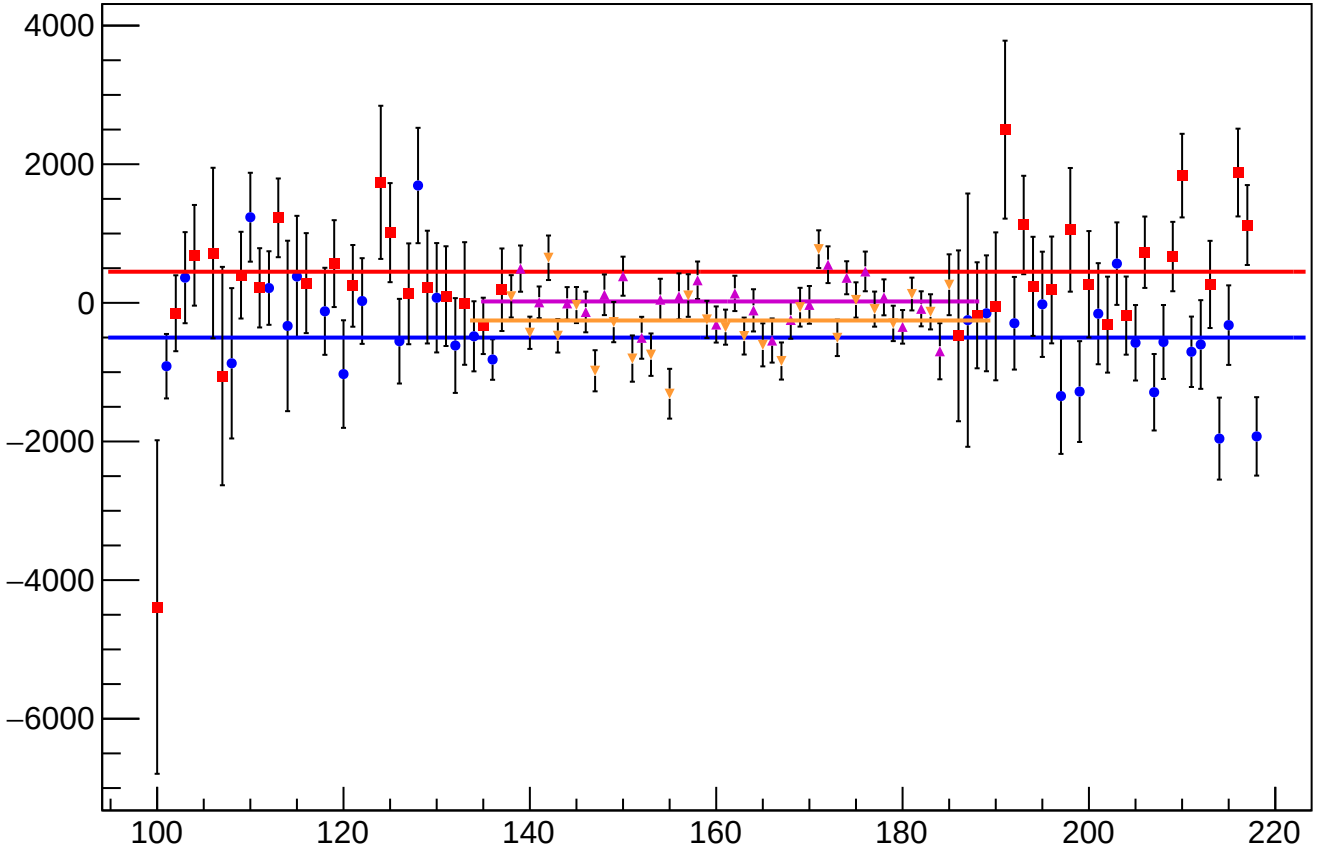
Right: 392.987+/-0.167 χ^2/NDF: 71877776.4/64

In: 400.943+/-0.245 χ^2/NDF:72277504.5/53

Out: 397.456+/-0.229 χ^2/NDF:74288616.4/58

All: 399.078+/-0.167 χ^2/NDF: 146566228.8/

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: 449.059+/-113.964 χ^2/NDF: 35.6/35

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

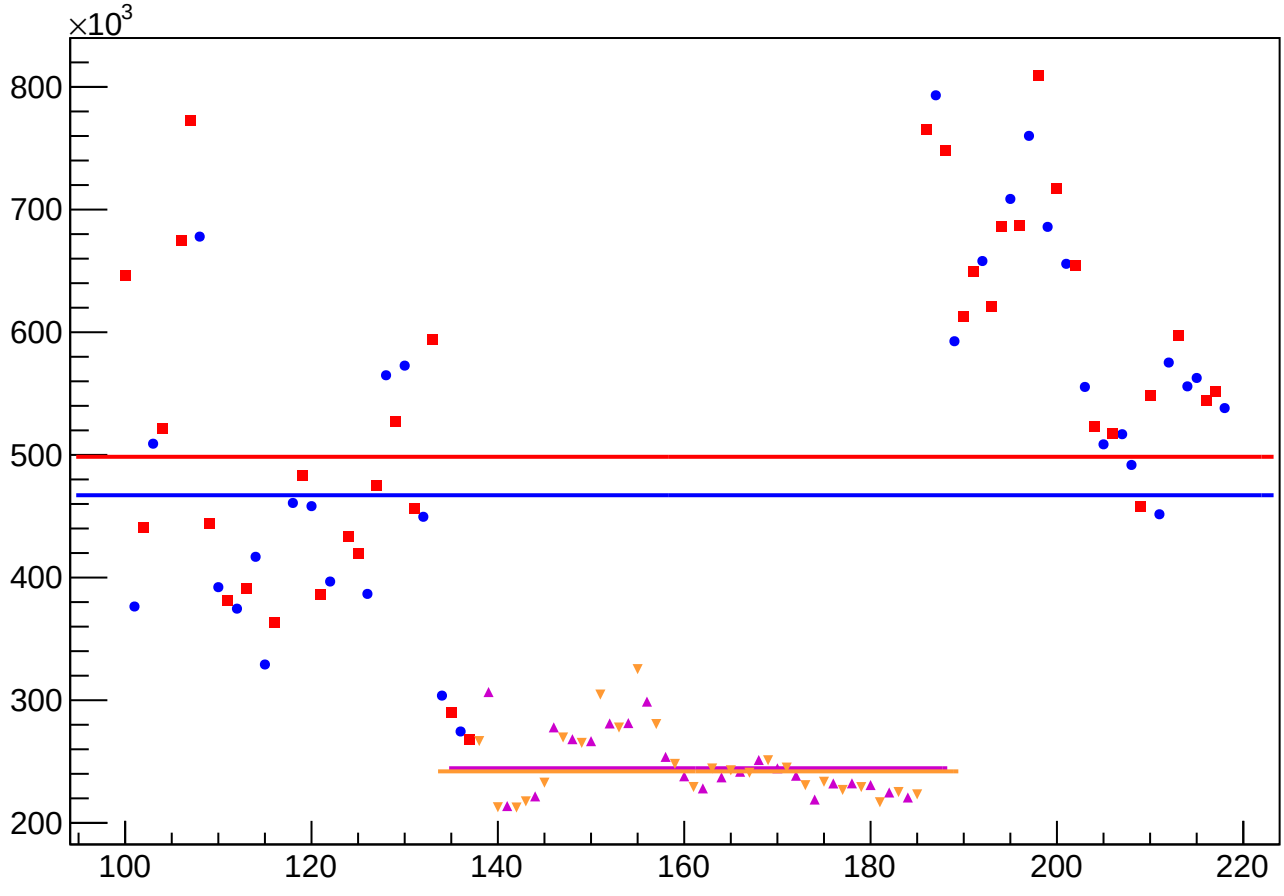
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -50.248+/-78.498 χ^2/NDF: 116.3/67

In: -94.413+/-50.773 χ^2/NDF:90.8/54

Out: -119.847+/-49.838 χ^2/NDF:127.7/60

All: -107.366+/-35.566 χ^2/NDF: 218.7/115



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: 498462.068+/-80.661 χ^2/NDF: 2612146.3/35

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

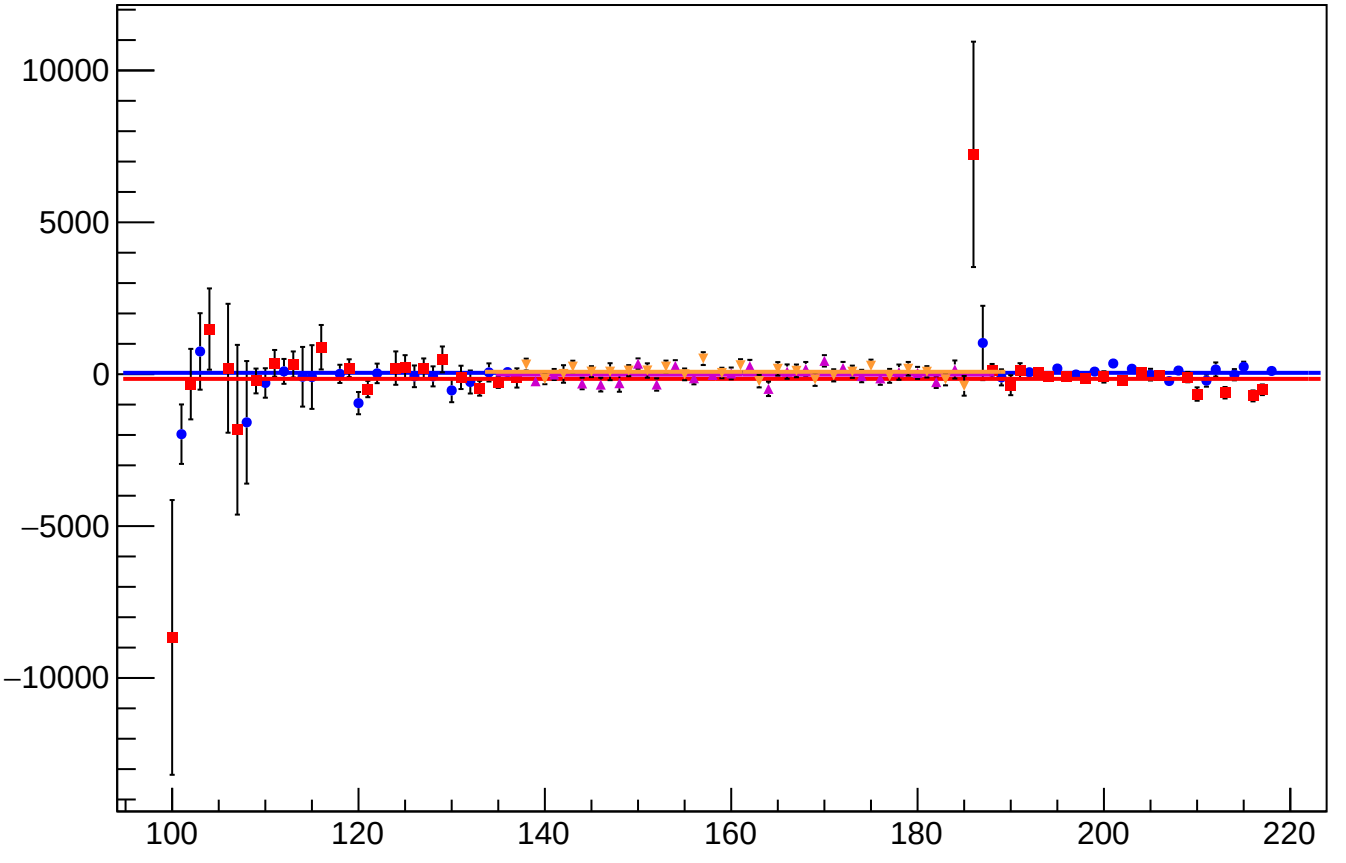
Right: 481978.805+/-55.536 χ^2/NDF: 5497415.0/67

In: 293469.122+/-35.903 χ^2/NDF:9758641.0/54

Out: 290977.864+/-35.247 χ^2/NDF:11203758.3/60

All: 292200.524+/-25.152 χ^2/NDF: 2096485

diff_cav4cY_mean vs Slug, Sign Corrected



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: -153.415+/-38.409 χ^2/NDF: 57.2/35

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

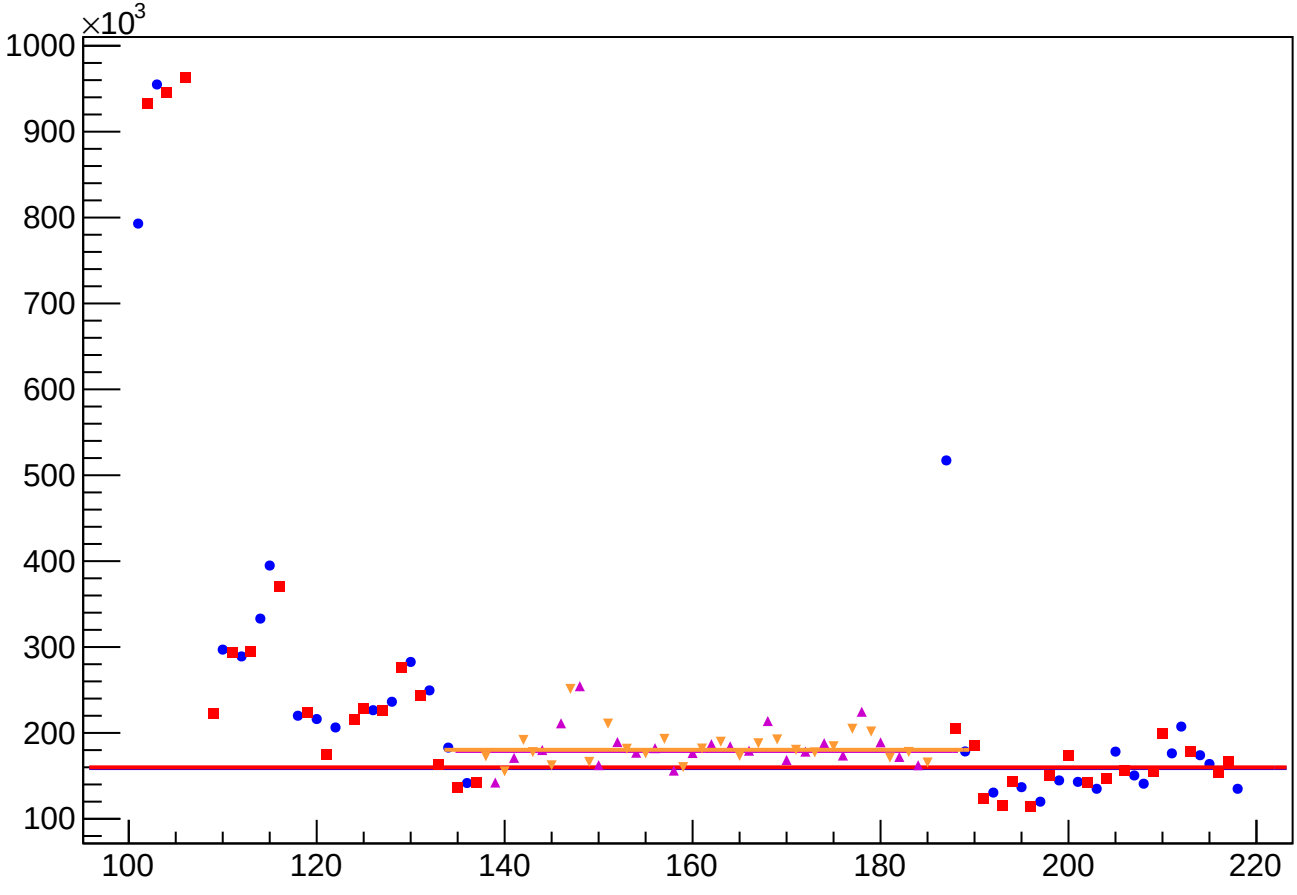
Right: -52.776+/-26.993 χ^2/NDF: 100.4/67

In: 18.876+/-28.225 χ^2/NDF:64.0/54

Out: -45.398+/-28.126 χ^2/NDF:94.0/60

All: -13.374+/-19.923 χ^2/NDF: 160.5/115

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: 159908.136+/-27.174 χ^2/NDF: 3365265.7/32

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

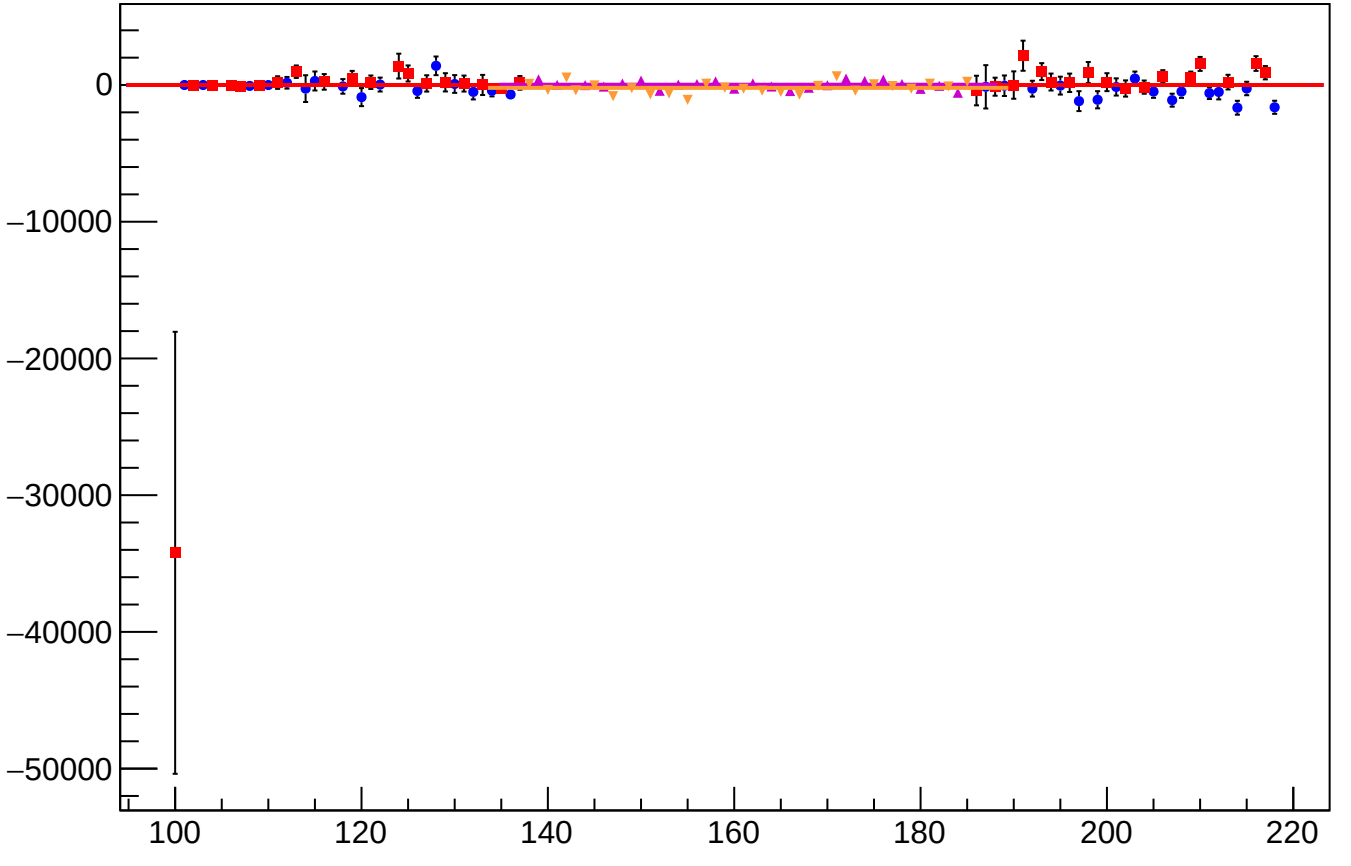
Right: 159500.093+/-19.095 χ^2/NDF: 6795709.3/63

In: 168003.545+/-19.962 χ^2/NDF:4177585.6/53

Out: 169390.612+/-19.894 χ^2/NDF:3974277.5/57

All: 168699.450+/-14.091 χ^2/NDF: 8154285.5

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: 49.9/35

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

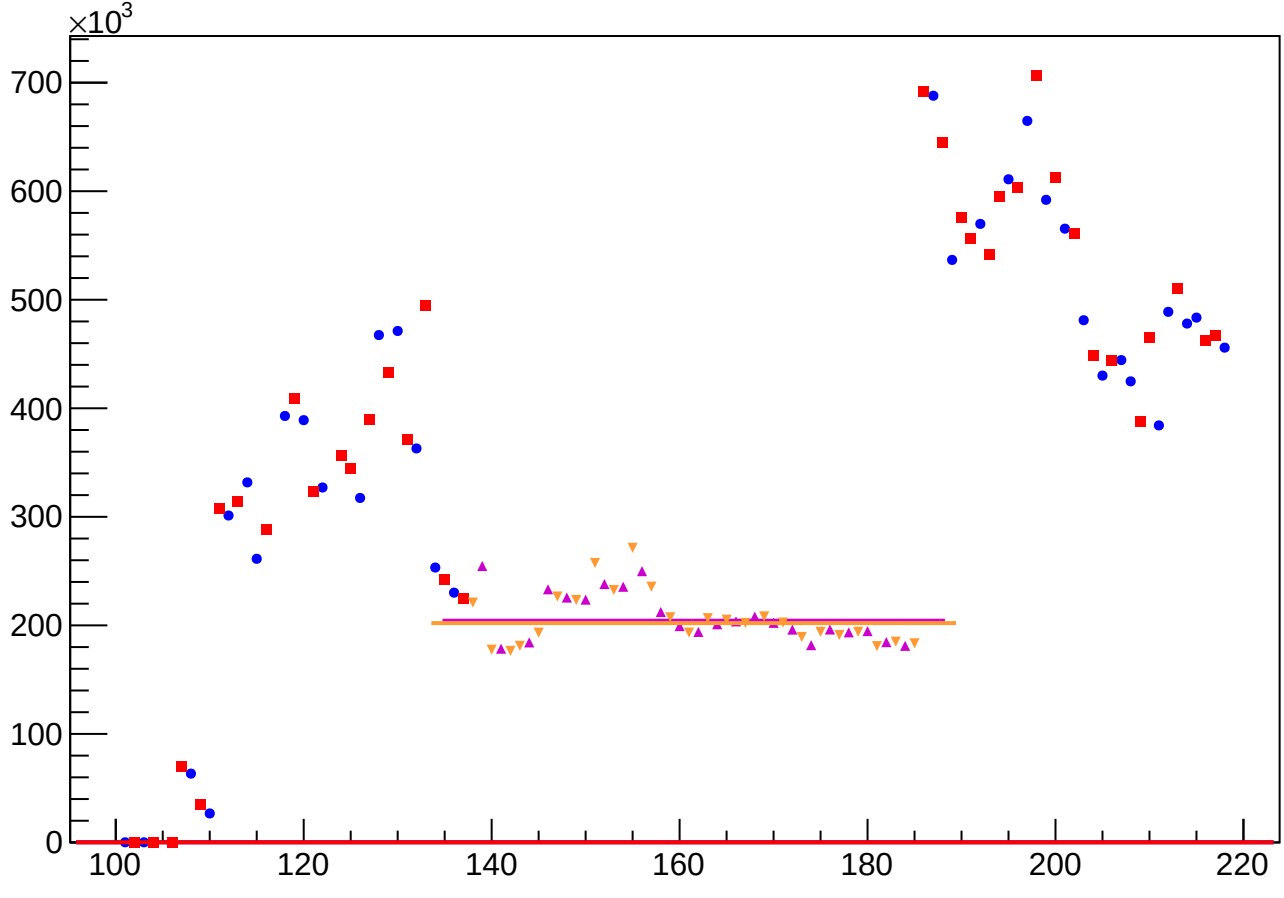
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 110.4/67

In: -0.036+/-0.172 χ^2/NDF:86.5/54

Out: 0.353+/-0.160 χ^2/NDF:131.8/60

All: 0.173+/-0.117 χ^2/NDF: 221.0/115



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: 150.021+/-0.113 χ^2/NDF: 37556350.8/34

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

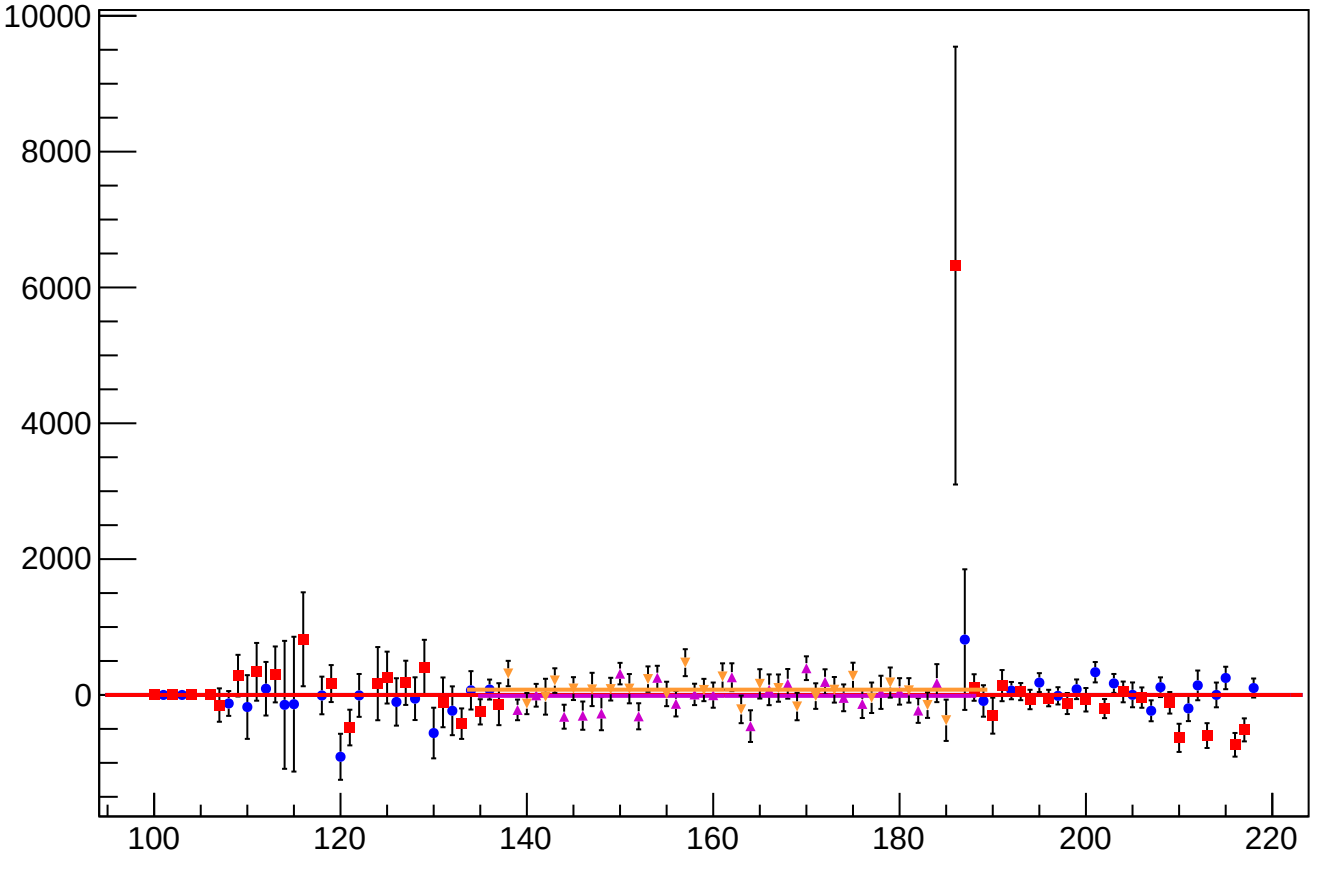
Right: 149.946+/-0.083 χ^2/NDF: 74626189.0/66

In: 152.485+/-0.122 χ^2/NDF:73572385.5/54

Out: 152.438+/-0.113 χ^2/NDF:76051945.8/59

All: 152.460+/-0.083 χ^2/NDF: 149624331.3/1

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: -0.129+/-0.166 χ^2/NDF: 72.1/35

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

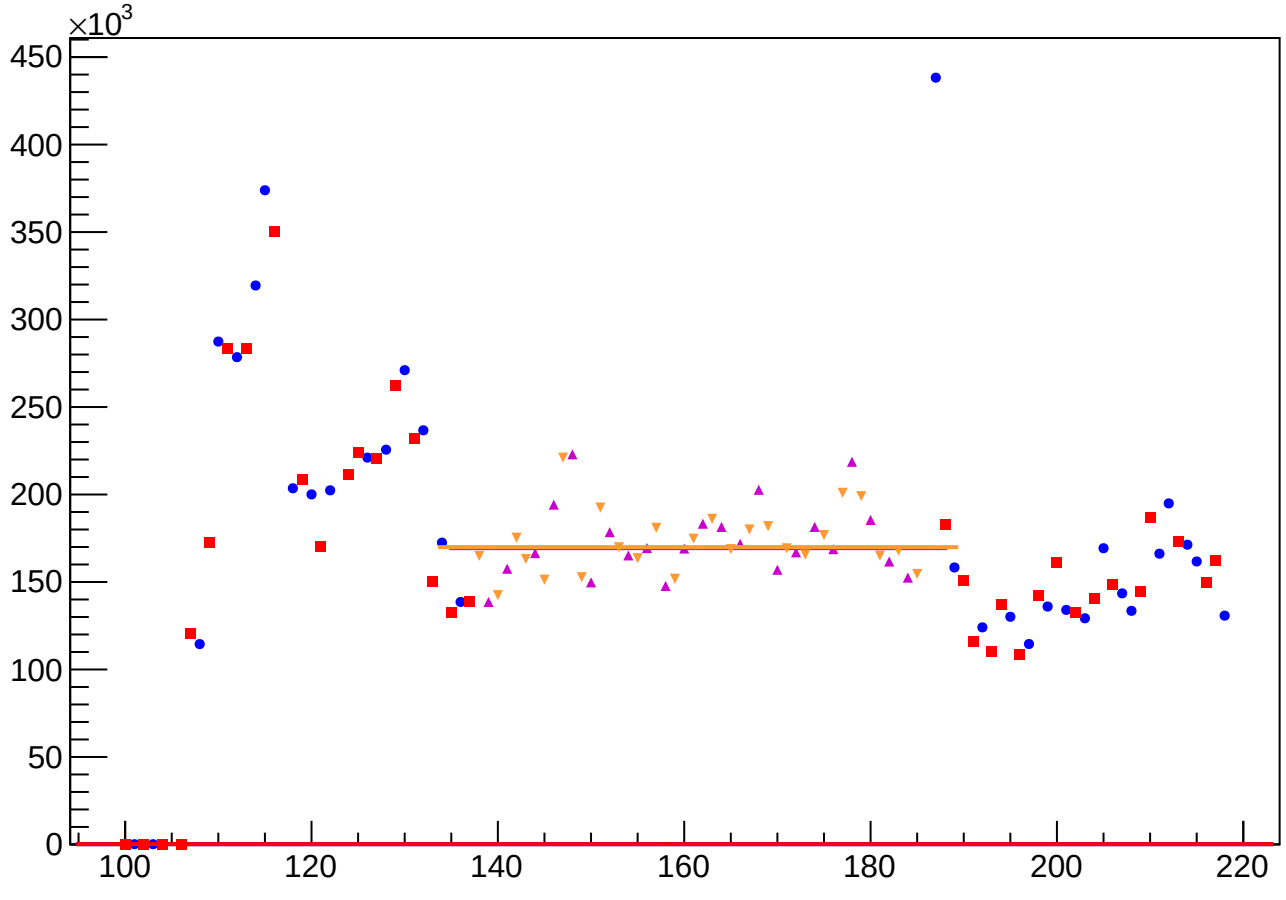
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.100+/-0.121 χ^2/NDF: 100.1/67

In: -0.067+/-0.177 χ^2/NDF:60.8/54

Out: -0.127+/-0.166 χ^2/NDF:95.2/60

All: -0.099+/-0.121 χ^2/NDF: 156.0/115



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: 158.557+/-0.118 χ^2/NDF: 36411188.2/34

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

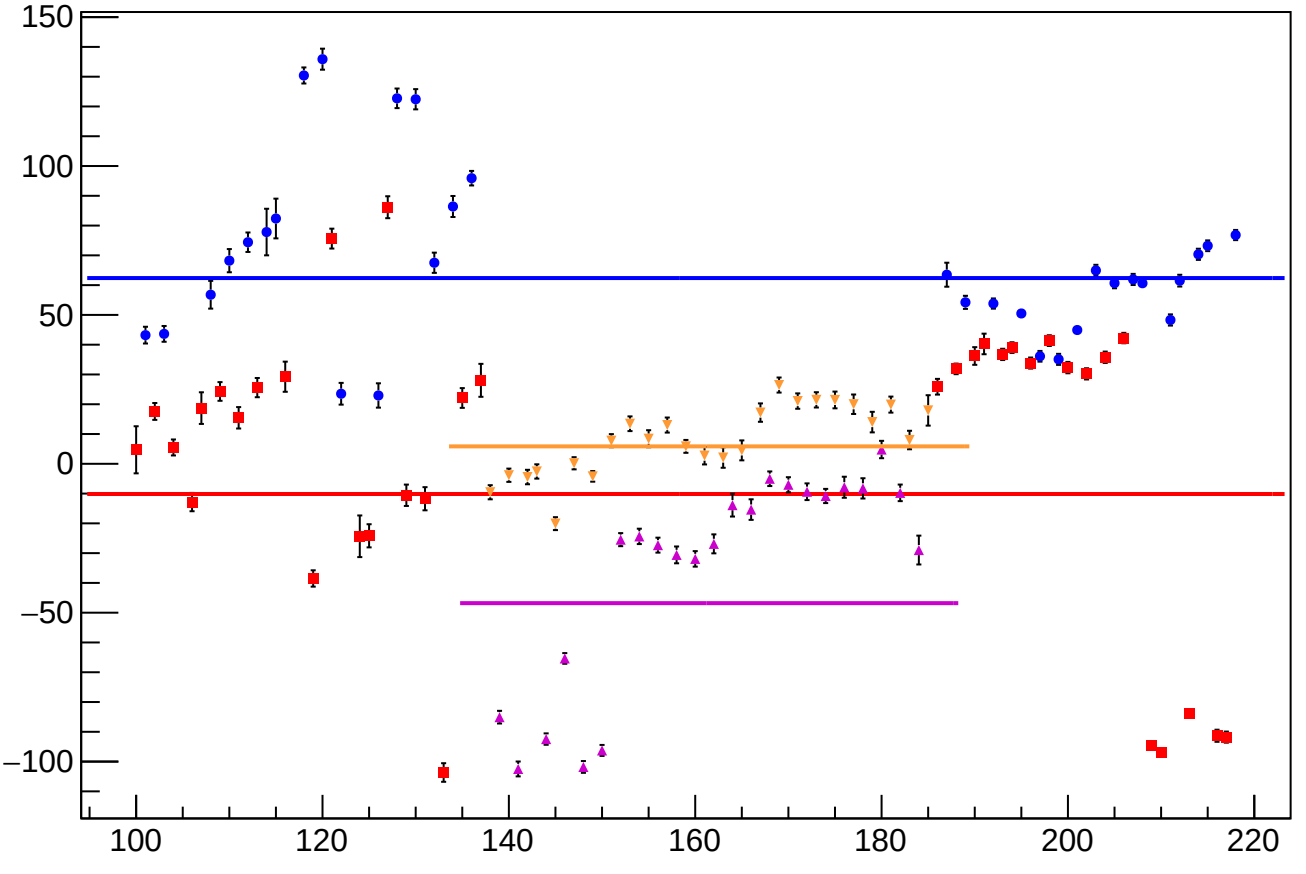
Right: 157.461+/-0.086 χ^2/NDF: 73631304.2/66

In: 159.551+/-0.125 χ^2/NDF:73604836.2/54

Out: 161.663+/-0.118 χ^2/NDF:74821124.9/59

All: 160.673+/-0.086 χ^2/NDF: 148426112.0/

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: -10.140+/-0.394 χ^2/NDF: 22507.0/35

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

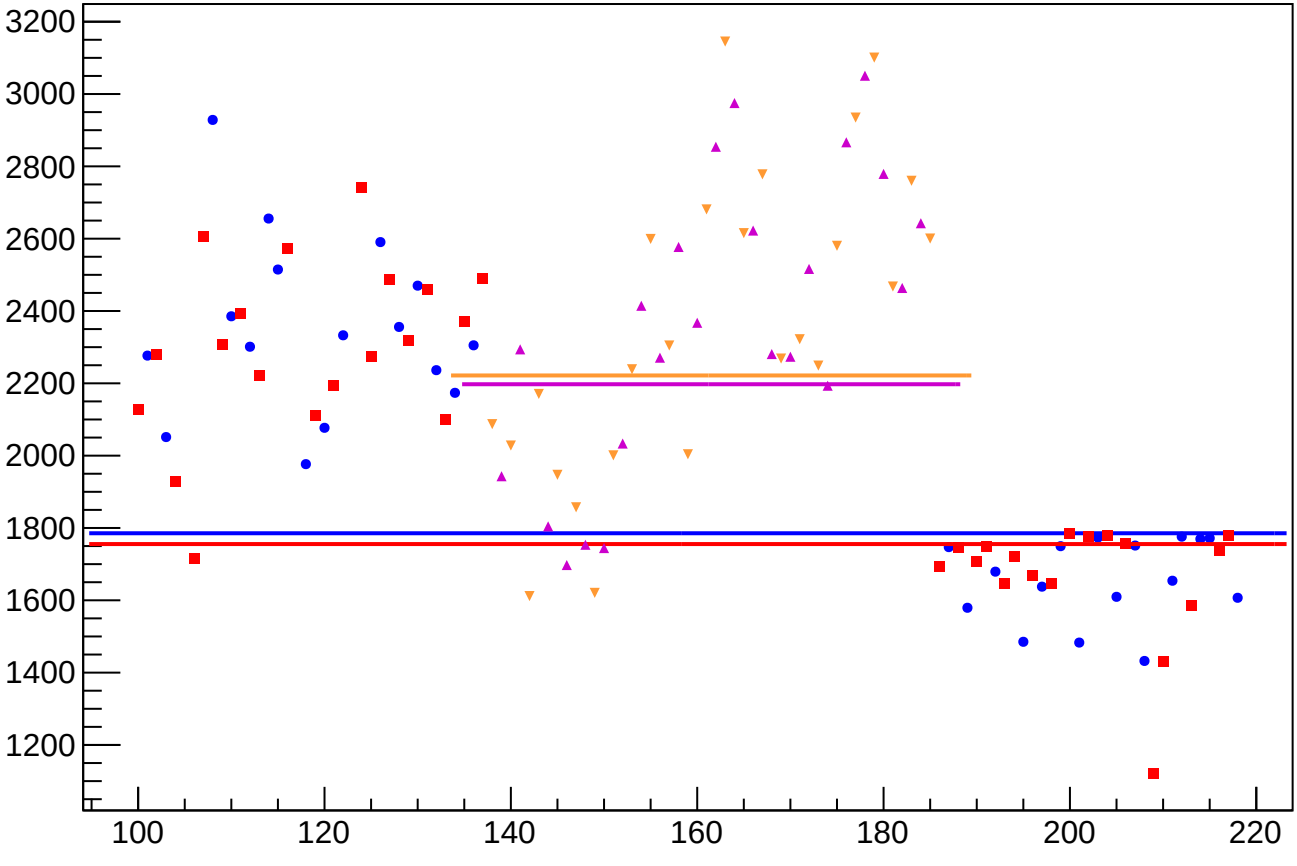
Right: 25.136+/-0.283 χ^2/NDF: 42056.2/67

In: 21.564+/-0.321 χ^2/NDF:35411.0/54

Out: -4.213+/-0.313 χ^2/NDF:23651.5/60

All: 8.359+/-0.224 χ^2/NDF: 62372.6/115

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: 1755.522+/-0.279 χ^2/NDF: 1477834.6/35

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

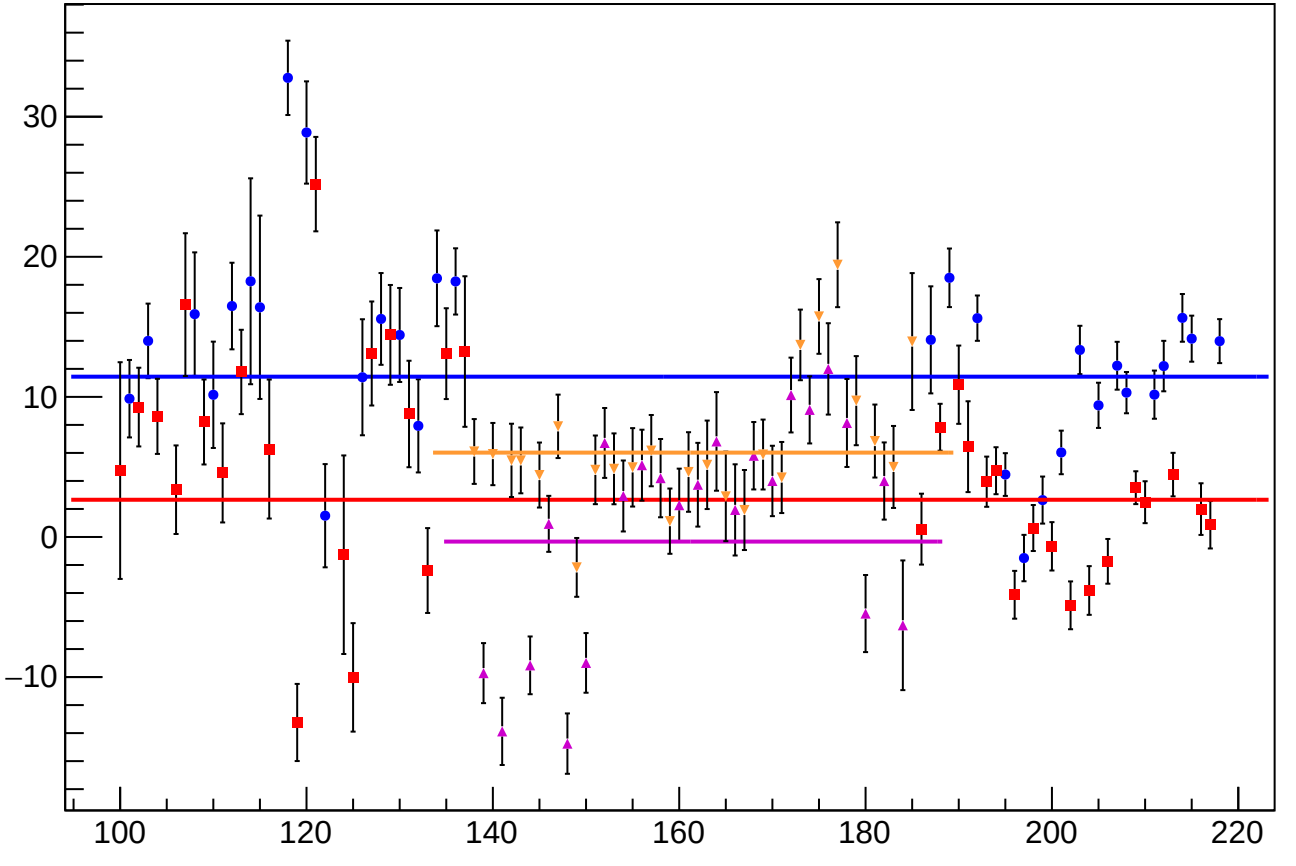
Right: 1770.060+/-0.200 χ^2/NDF: 2593499.1/67

In: 1939.445+/-0.227 χ^2/NDF:2987776.0/54

Out: 1928.325+/-0.221 χ^2/NDF:3697686.6/60

All: 1933.749+/-0.158 χ^2/NDF: 6686694.5/11

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: 2.657+/-0.371 χ^2/NDF: 246.3/35

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

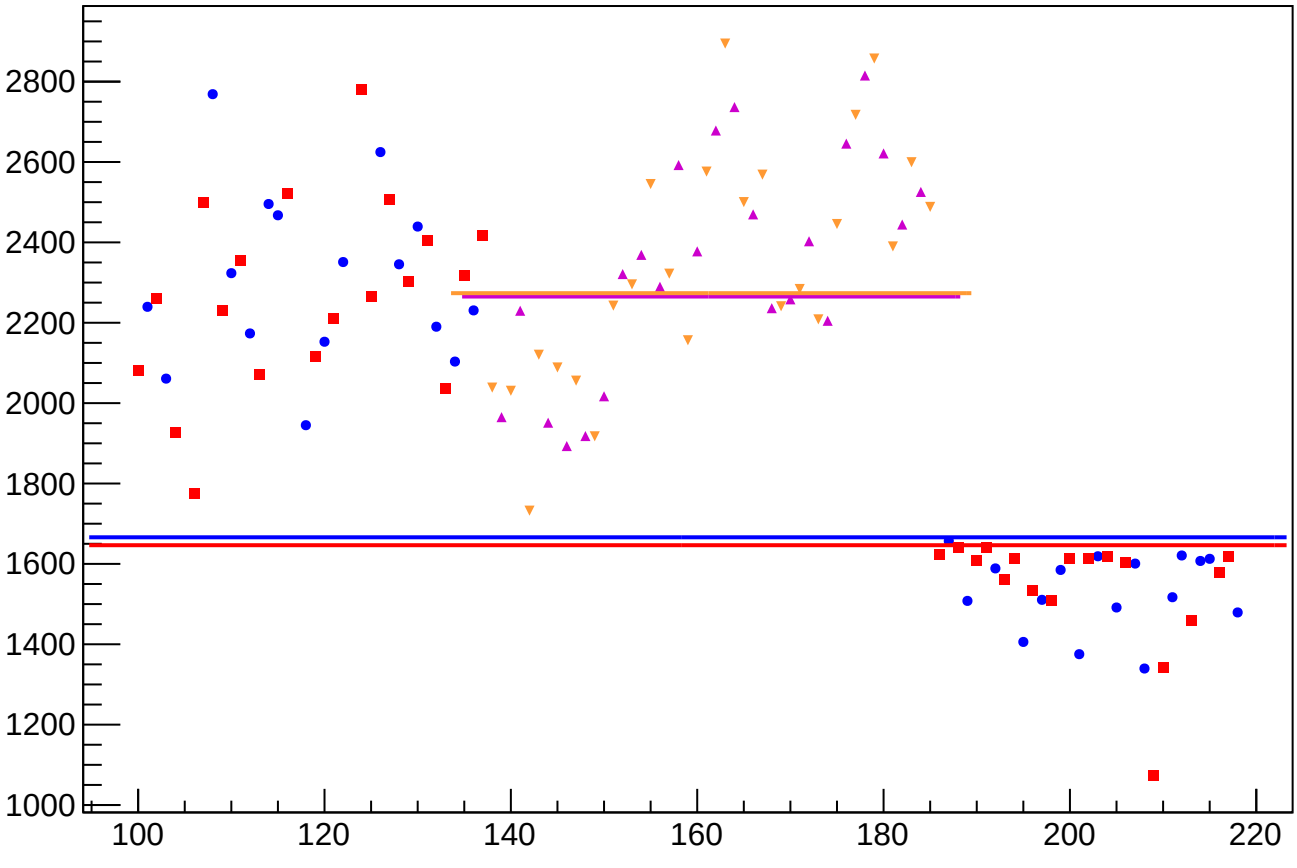
Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

Right: 6.951+/-0.265 χ^2/NDF: 794.2/67

In: 7.504+/-0.309 χ^2/NDF:820.7/54

Out: 3.788+/-0.302 χ^2/NDF:345.8/60

All: 5.602+/-0.216 χ^2/NDF: 1240.5/115



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: 1646.488+/-0.262 χ^2/NDF: 1695912.1/35

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

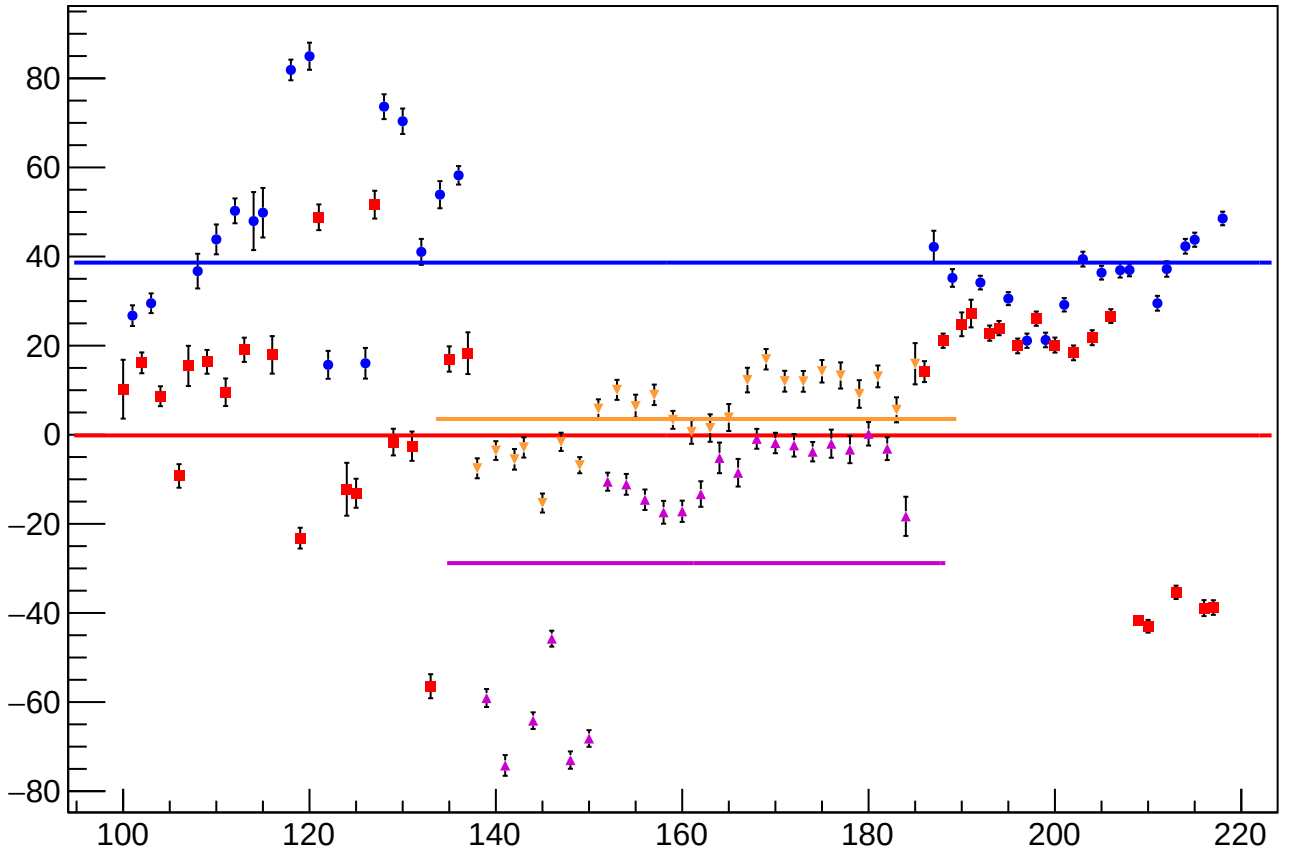
Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

Right: 1656.114+/-0.187 χ^2/NDF: 3087673.1/67

In: 1866.632+/-0.219 χ^2/NDF:3556123.7/54

Out: 1857.319+/-0.214 χ^2/NDF:4157617.6/60

All: 1861.865+/-0.153 χ^2/NDF: 7714669.8/11



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: -0.146+/-0.347 χ^2/NDF: 7170.7/35

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

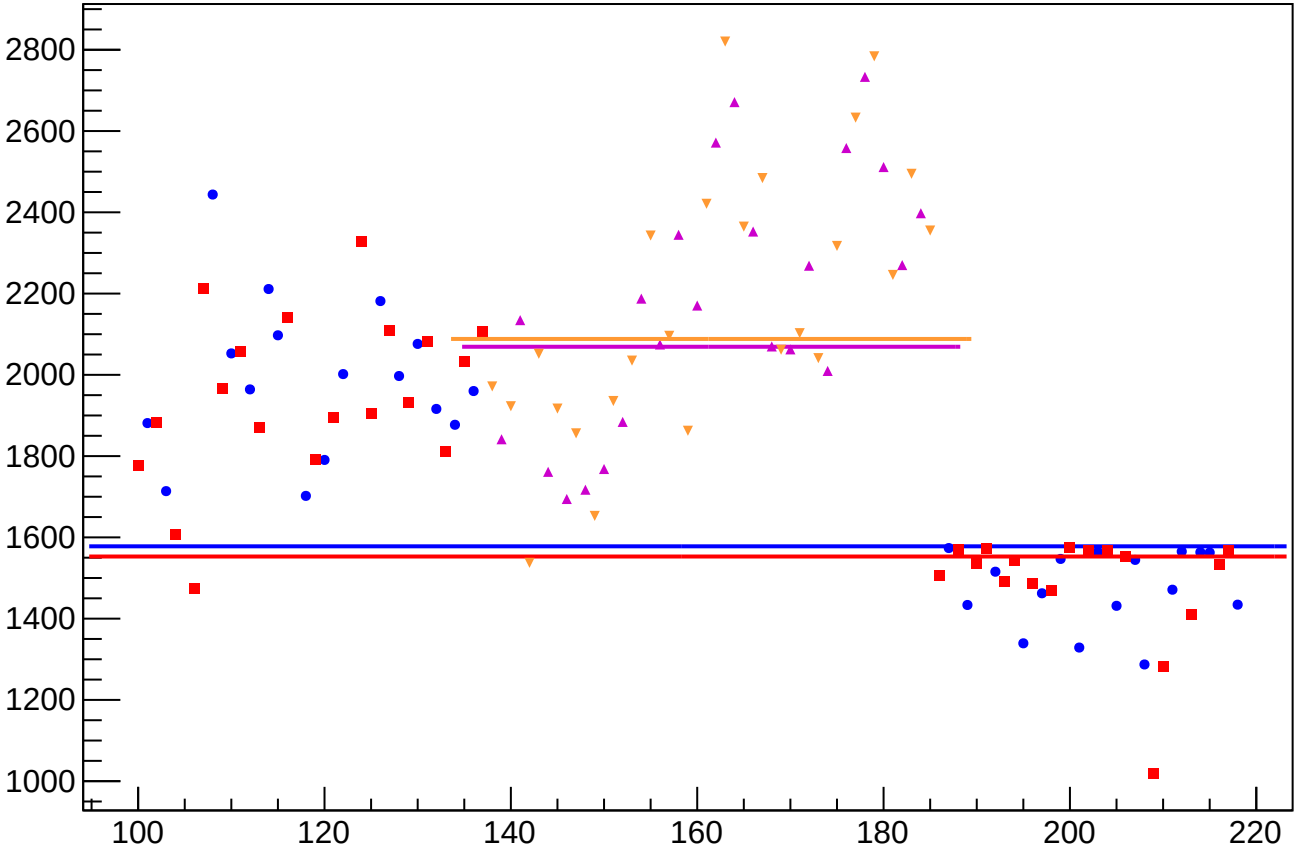
Right: 18.736+/-0.249 χ^2/NDF: 14785.9/67

In: 15.333+/-0.289 χ^2/NDF:17165.0/54

Out: 1.122+/-0.281 χ^2/NDF:7529.3/60

All: 8.052+/-0.201 χ^2/NDF: 25937.2/115

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: 1552.906+/-0.246 χ^2/NDF: 1176419.8/35

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

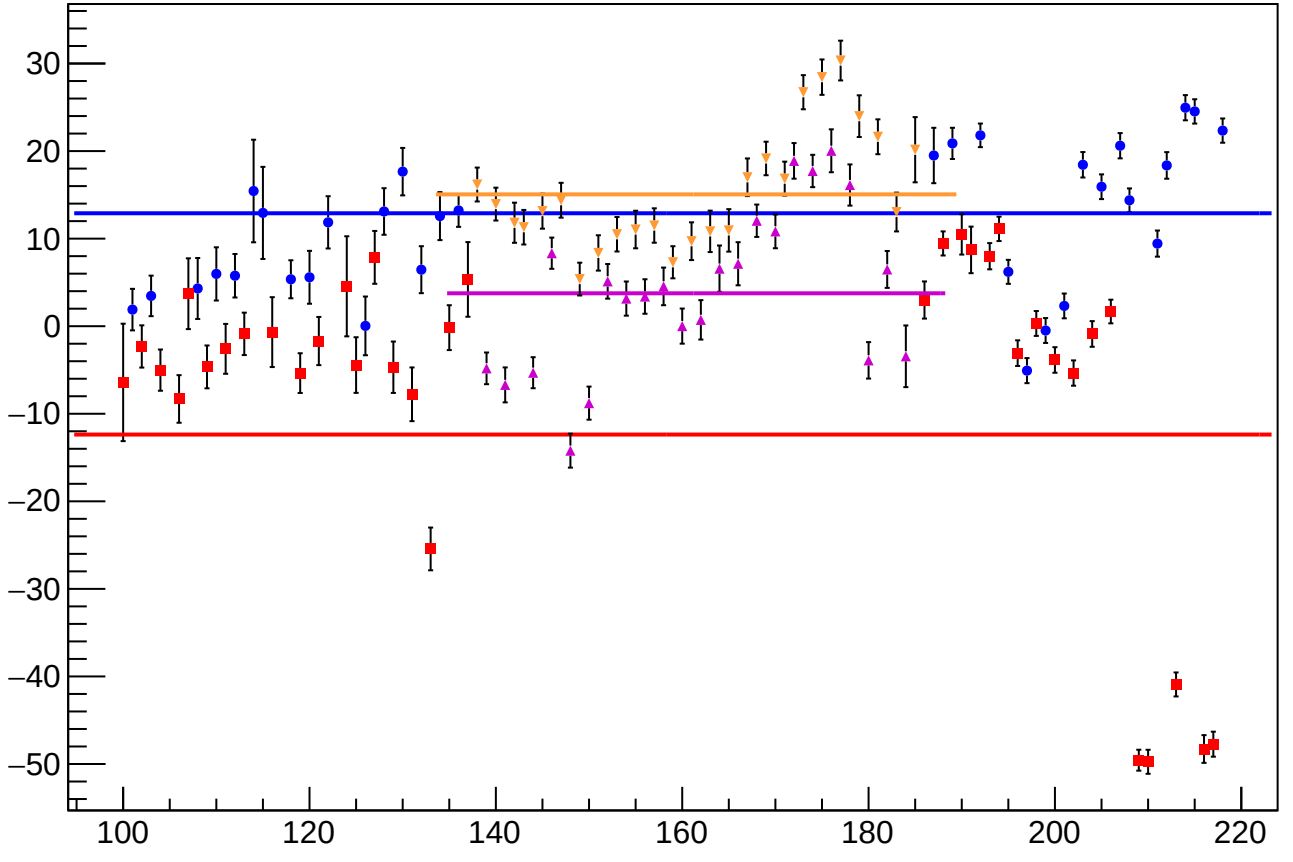
Right: 1565.118+/-0.176 χ^2/NDF: 2033393.9/67

In: 1747.700+/-0.204 χ^2/NDF:2873727.0/54

Out: 1736.843+/-0.199 χ^2/NDF:3595792.1/60

All: 1742.137+/-0.142 χ^2/NDF: 6470969.7/11

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: -12.374+/-0.318 χ^2/NDF: 4814.4/35

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

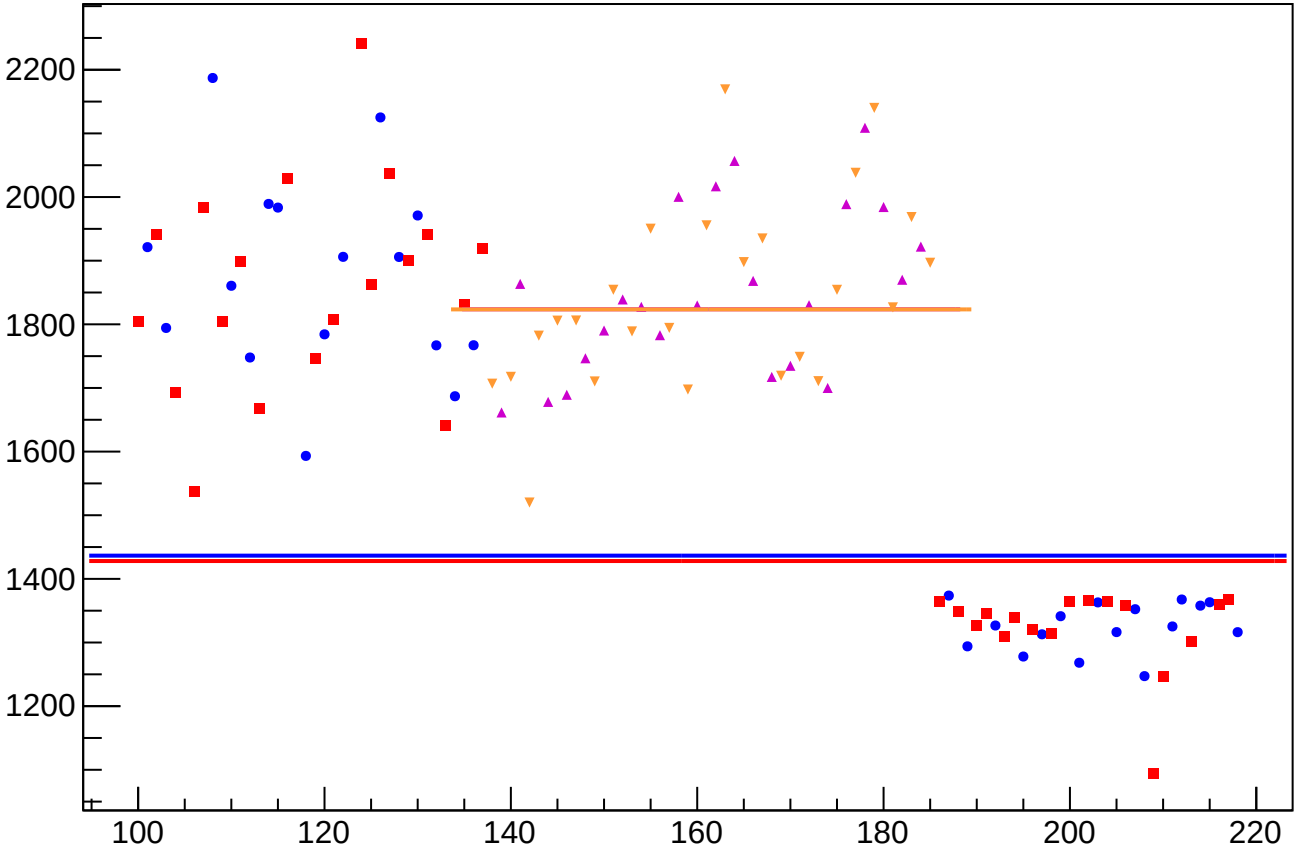
Right: 0.035+/-0.227 χ^2/NDF: 8659.8/67

In: 9.567+/-0.258 χ^2/NDF:1496.9/54

Out: -2.240+/-0.253 χ^2/NDF:7806.3/60

All: 3.534+/-0.181 χ^2/NDF: 10371.2/115

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: 1428.032+/-0.225 χ^2/NDF: 1056321.1/35

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

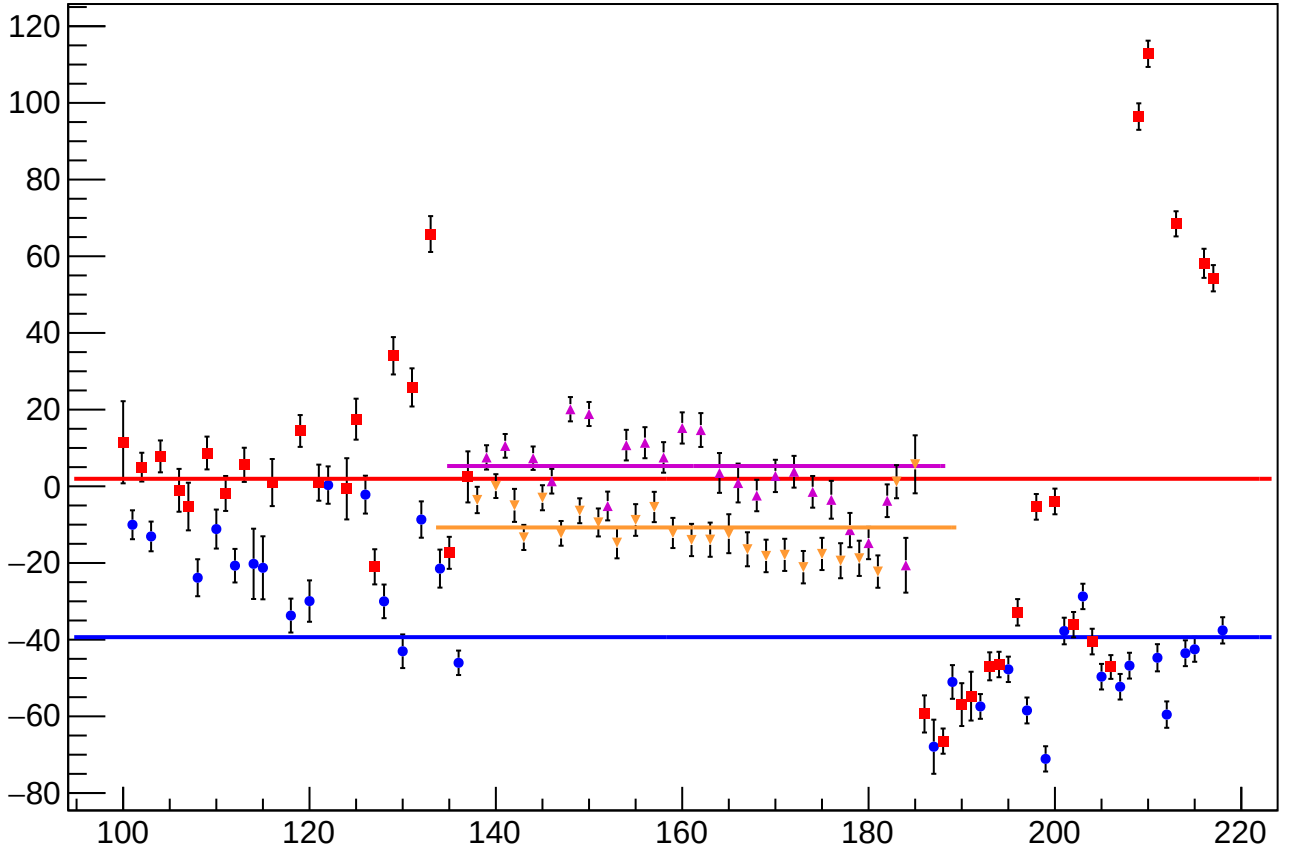
Right: 1432.194+/-0.161 χ^2/NDF: 2024490.5/67

In: 1577.579+/-0.183 χ^2/NDF:2172051.5/54

Out: 1574.119+/-0.179 χ^2/NDF:2408722.6/60

All: 1575.811+/-0.128 χ^2/NDF: 4580957.6/11

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: 1.959+/-0.689 χ^2/NDF: 4814.0/35

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

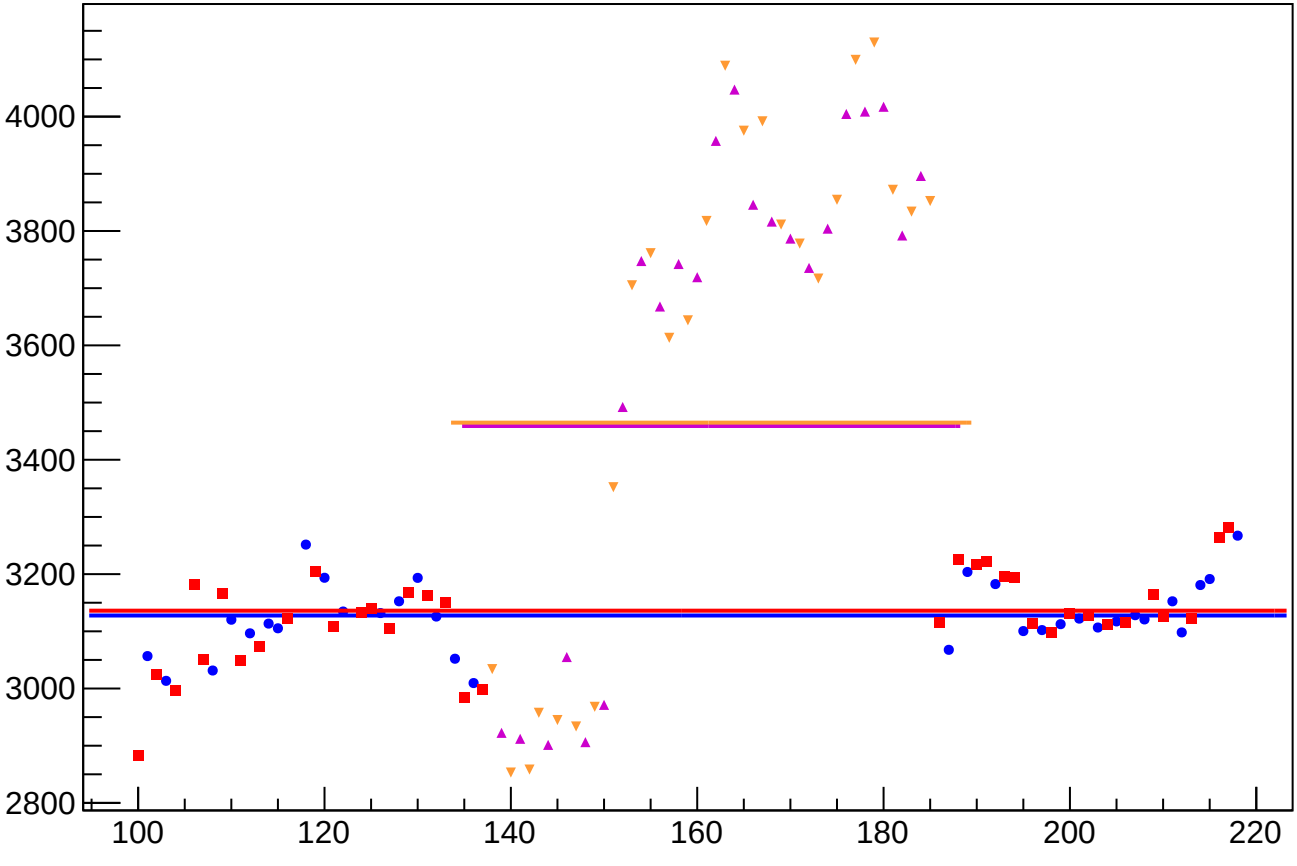
Right: -18.492+/-0.490 χ^2/NDF: 7225.9/67

In: -20.512+/-0.529 χ^2/NDF:2502.8/54

Out: -3.494+/-0.520 χ^2/NDF:5033.6/60

All: -11.863+/-0.371 χ^2/NDF: 8062.5/115

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: 3136.108+/-0.487 χ^2/NDF: 21362.9/35

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

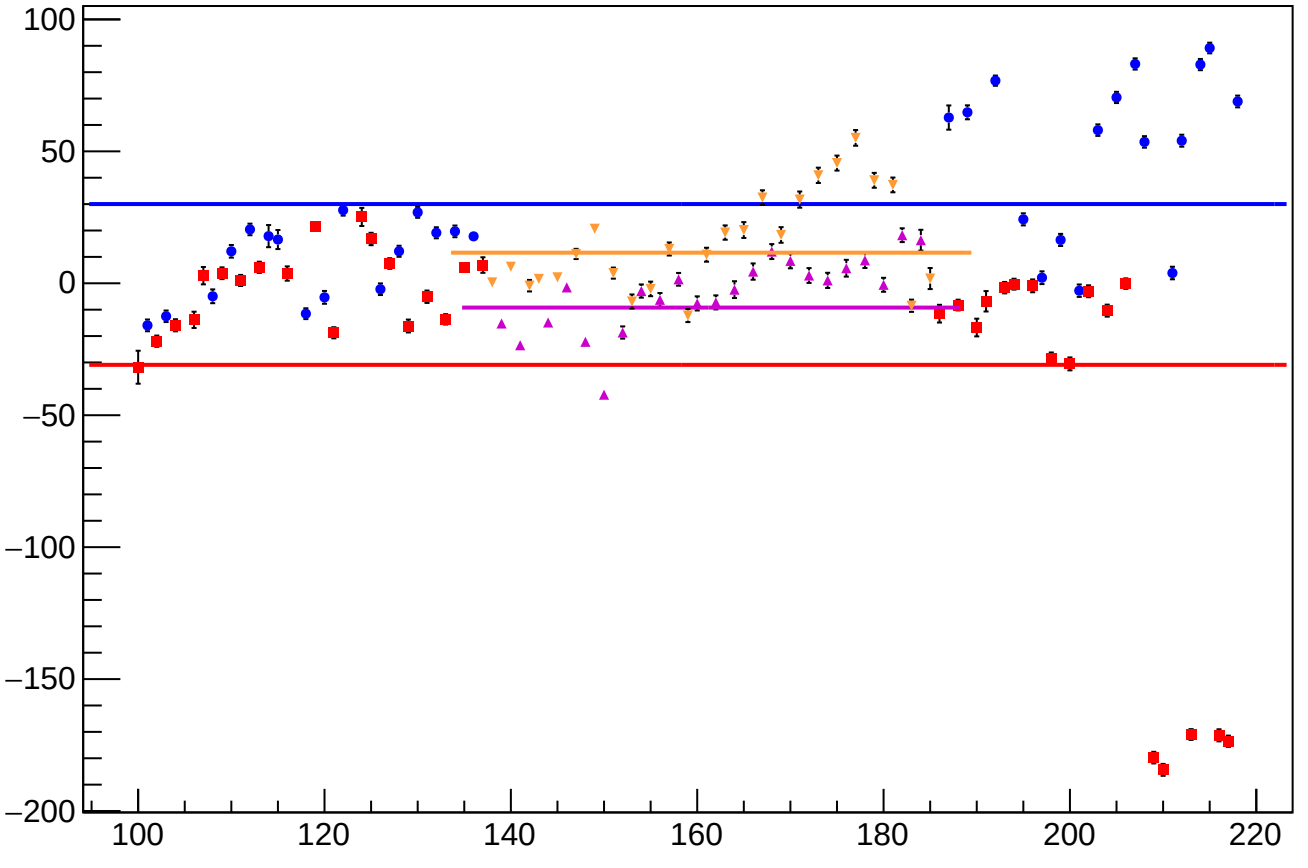
Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

Right: 3131.925+/-0.346 χ^2/NDF: 37045.4/67

In: 3267.474+/-0.374 χ^2/NDF:790327.4/54

Out: 3277.368+/-0.368 χ^2/NDF:861095.5/60

All: 3272.502+/-0.262 χ^2/NDF: 1651778.5/11



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: -30.906+/-0.388 χ^2/NDF: 27250.3/35

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

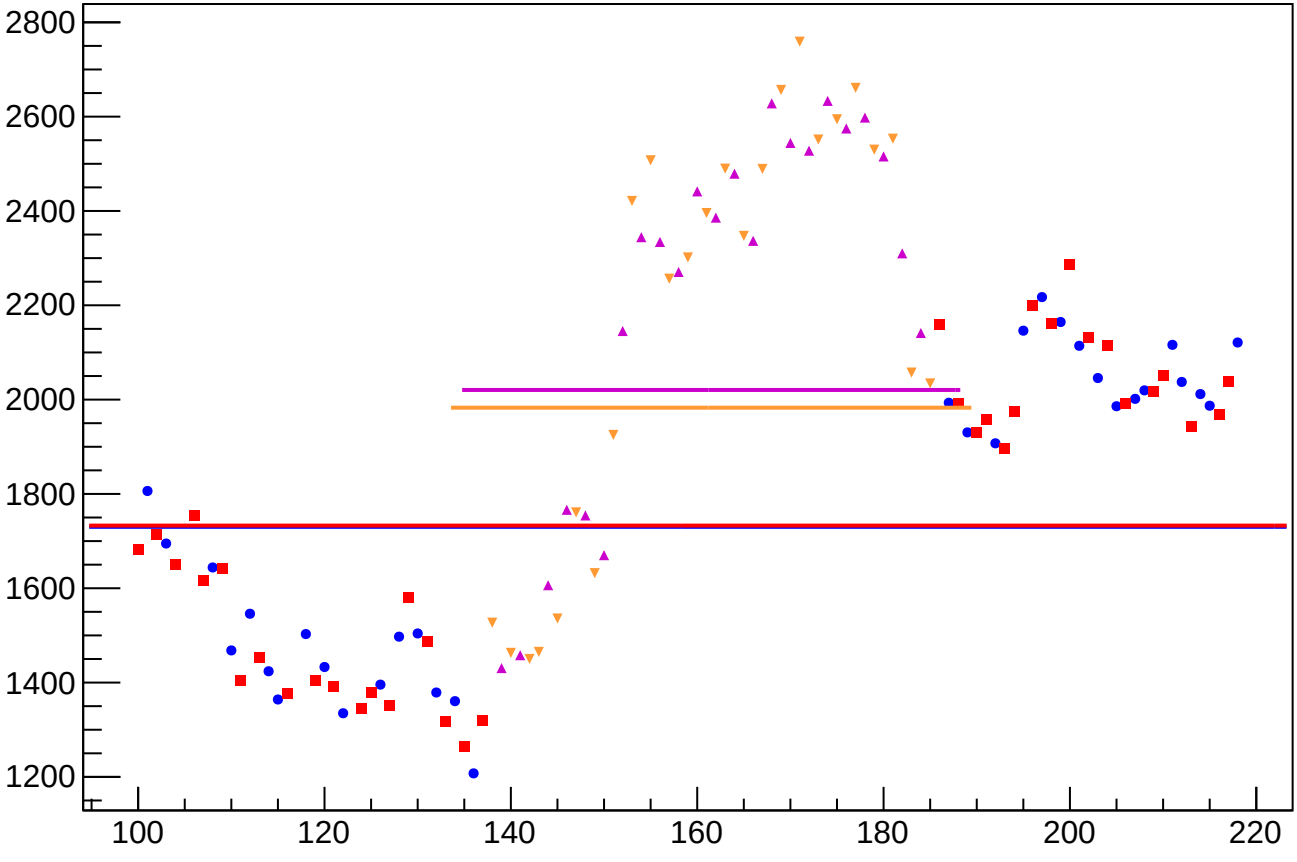
Right: -0.808+/-0.276 χ^2/NDF: 46025.0/67

In: 14.458+/-0.305 χ^2/NDF:11478.5/54

Out: -13.409+/-0.297 χ^2/NDF:33396.9/60

All: 0.182+/-0.213 χ^2/NDF: 49159.5/115

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: 1732.877+/-0.274 χ^2/NDF: 1356060.4/35

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

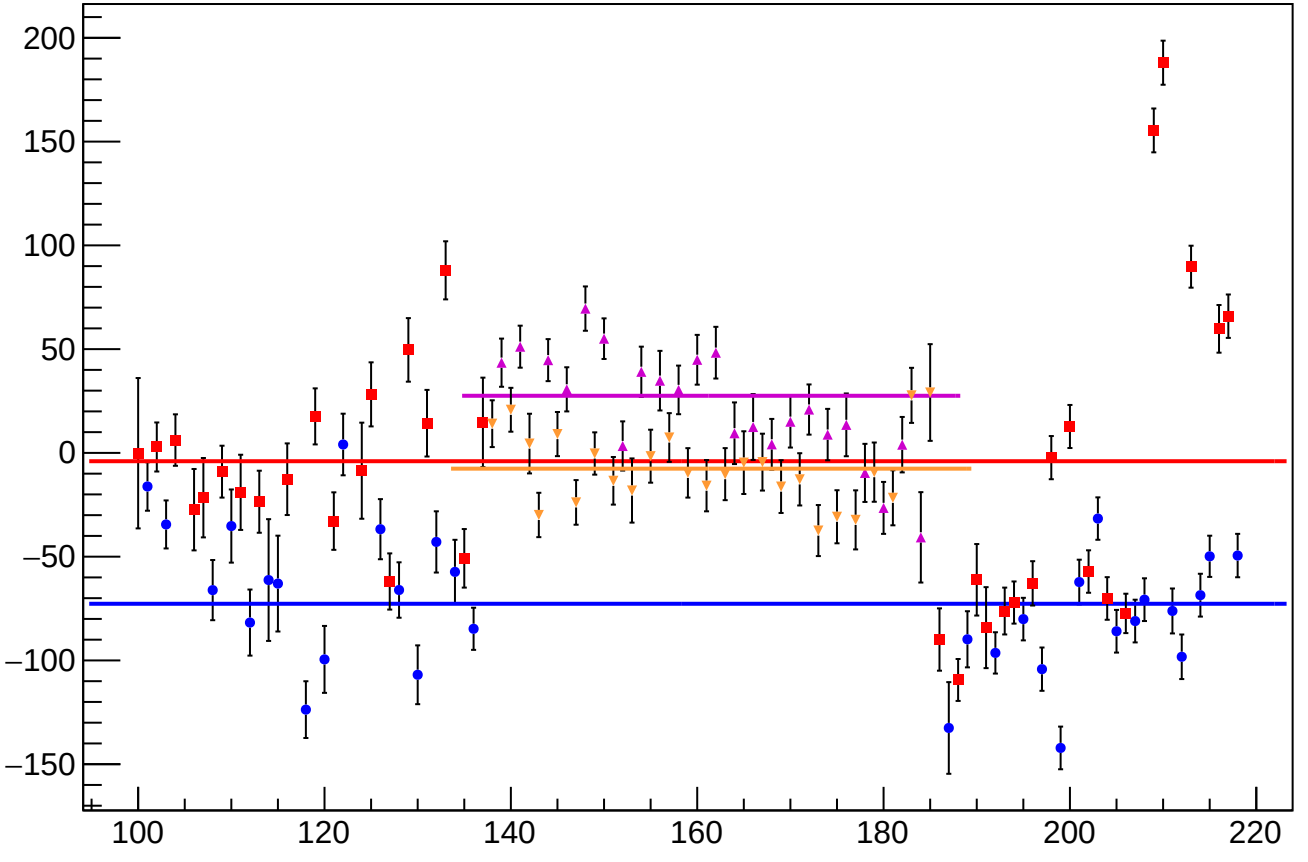
Right: 1731.599+/-0.195 χ^2/NDF: 2757358.3/67

In: 1845.401+/-0.215 χ^2/NDF:3450004.4/54

Out: 1835.787+/-0.210 χ^2/NDF:3676170.4/60

All: 1840.476+/-0.150 χ^2/NDF: 7127194.8/11

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: -4.004+/-2.136 χ^2/NDF: 1237.0/35

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

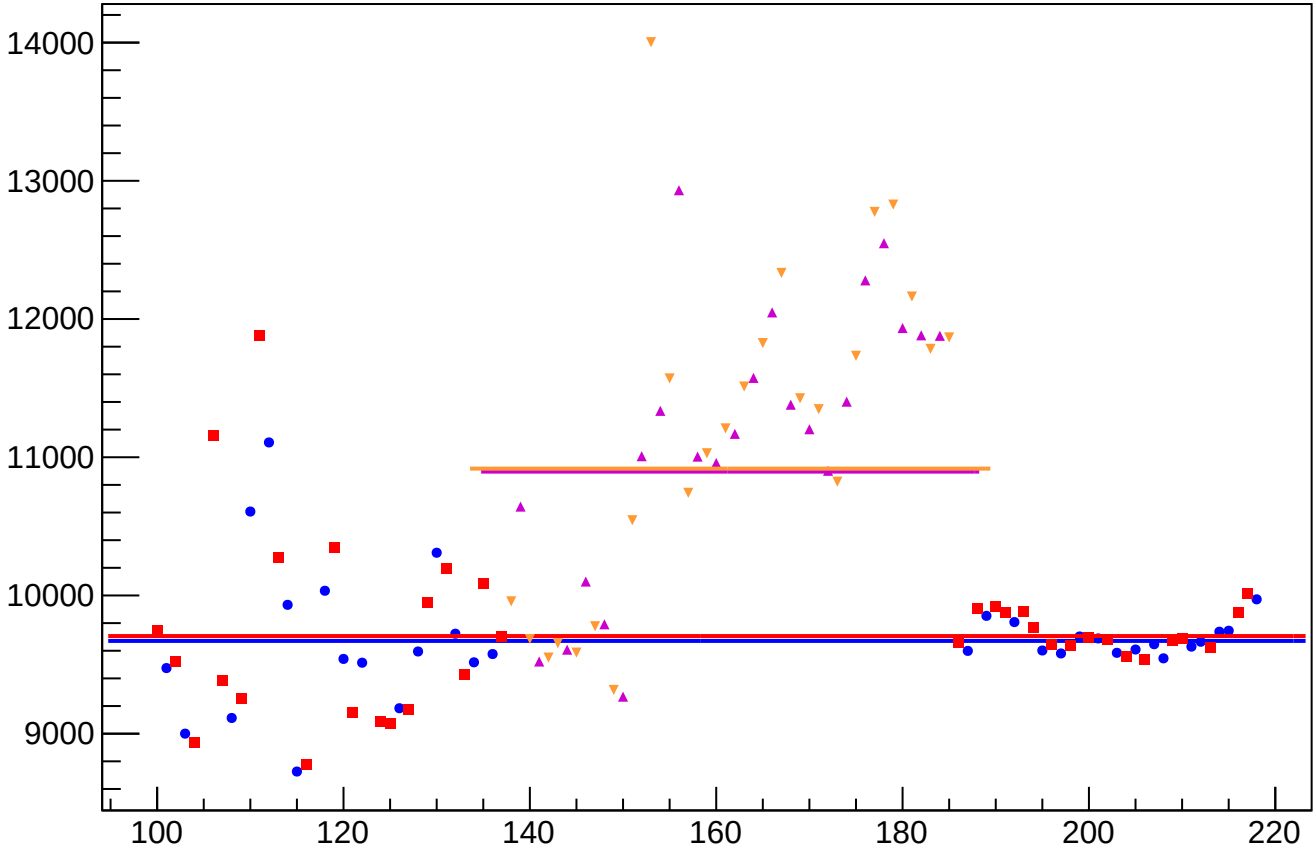
Right: -38.059+/-1.517 χ^2/NDF: 1957.2/67

In: -31.086+/-1.647 χ^2/NDF:1199.2/54

Out: -5.522+/-1.623 χ^2/NDF:1286.1/60

All: -18.110+/-1.156 χ^2/NDF: 2607.6/115

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: 9706.423+/-1.510 χ^2/NDF: 85458.0/35

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

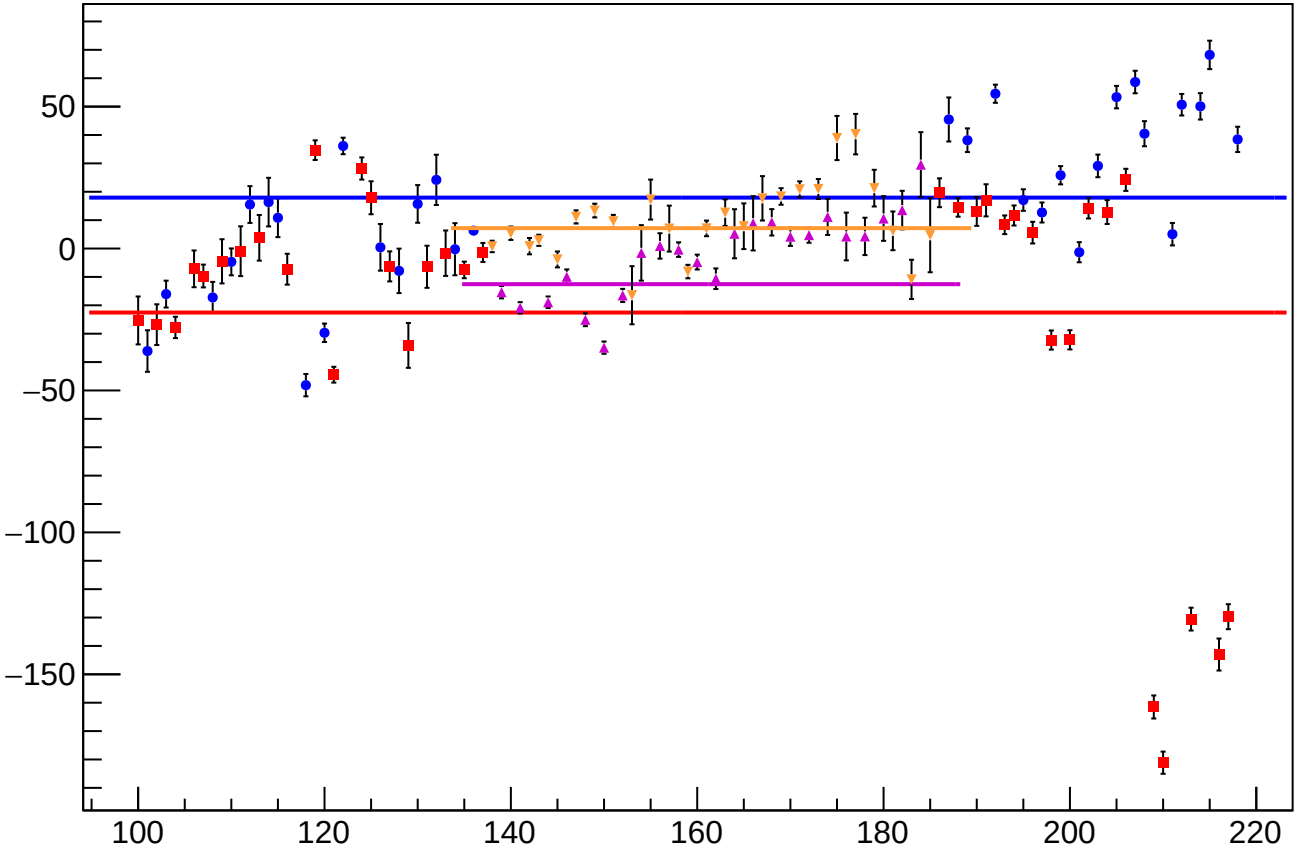
Right: 9688.968+/-1.072 χ^2/NDF: 133368.2/67

In: 10179.724+/-1.165 χ^2/NDF:614160.0/54

Out: 10218.656+/-1.147 χ^2/NDF:783339.1/60

All: 10199.485+/-0.817 χ^2/NDF: 1398066.2/

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: -22.547+/-0.715 χ^2/NDF: 6144.3/35

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

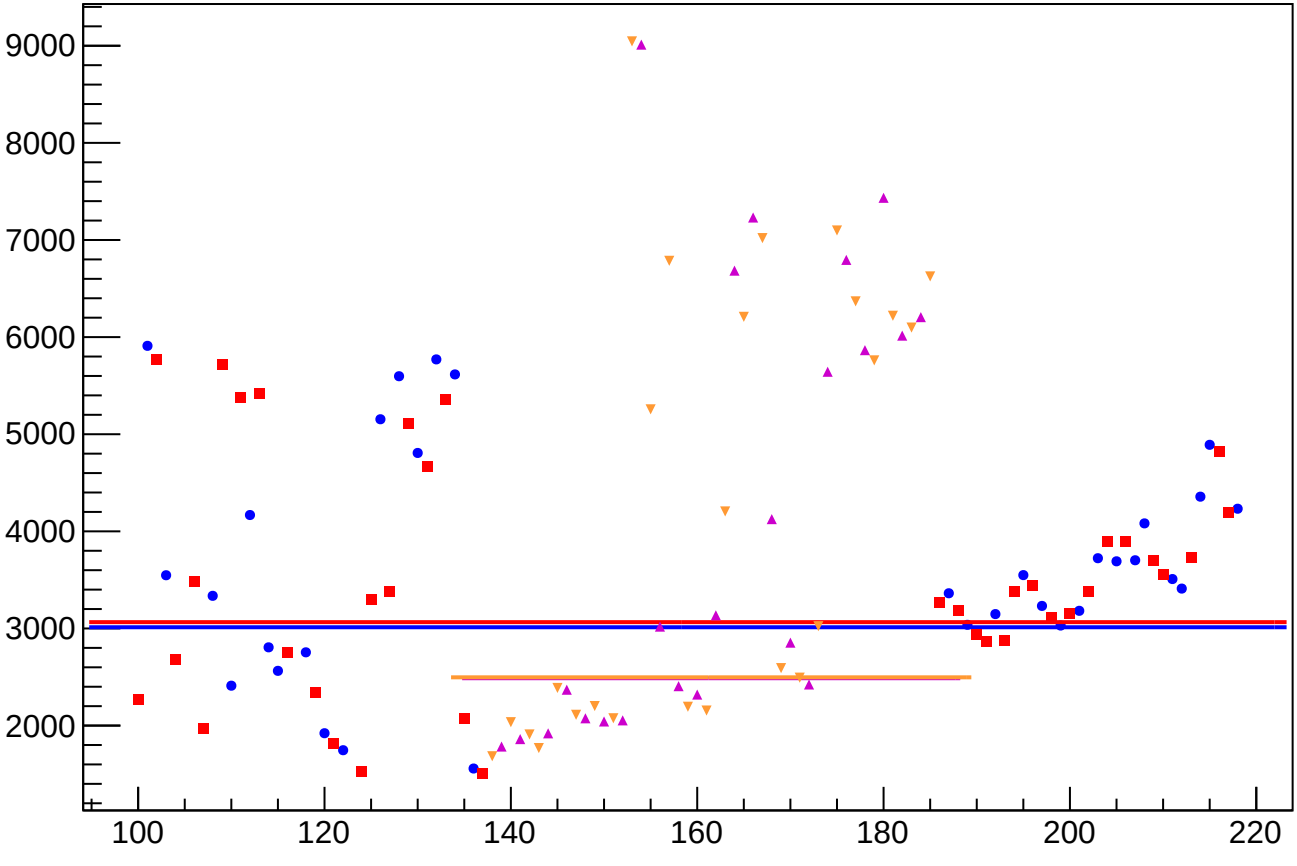
Right: -2.485+/-0.508 χ^2/NDF: 9187.4/67

In: 1.360+/-0.487 χ^2/NDF:2797.1/54

Out: -6.358+/-0.482 χ^2/NDF:7288.4/60

All: -2.537+/-0.343 χ^2/NDF: 10212.4/115

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: 3065.029+/-0.505 χ^2/NDF: 3591791.7/35

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

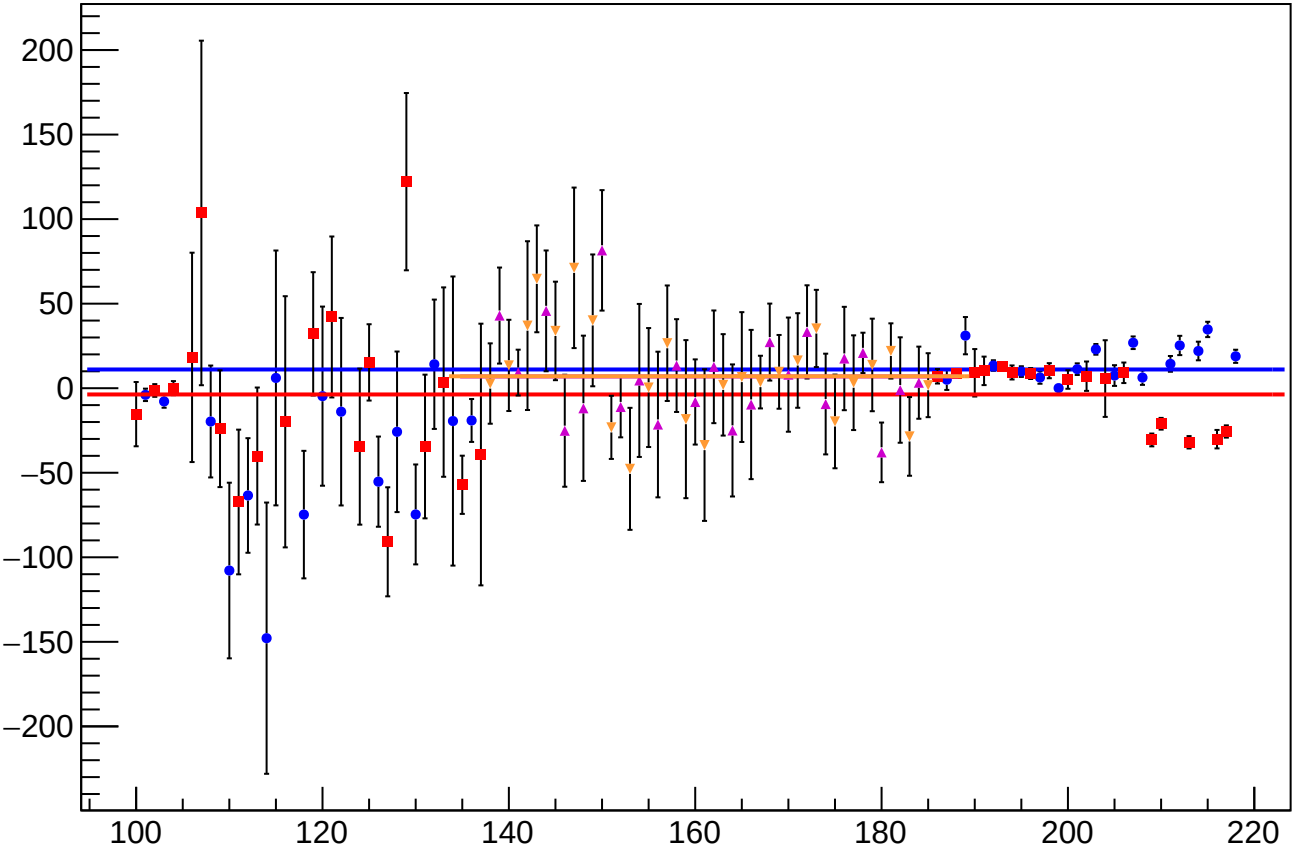
Right: 3038.966+/-0.359 χ^2/NDF: 8048967.2/67

In: 2727.147+/-0.344 χ^2/NDF:11131167.5/54

Out: 2755.622+/-0.341 χ^2/NDF:11486106.9/60

All: 2741.524+/-0.242 χ^2/NDF: 22620725.9/1

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: -3.695+/-0.963 χ^2/NDF: 333.9/35

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

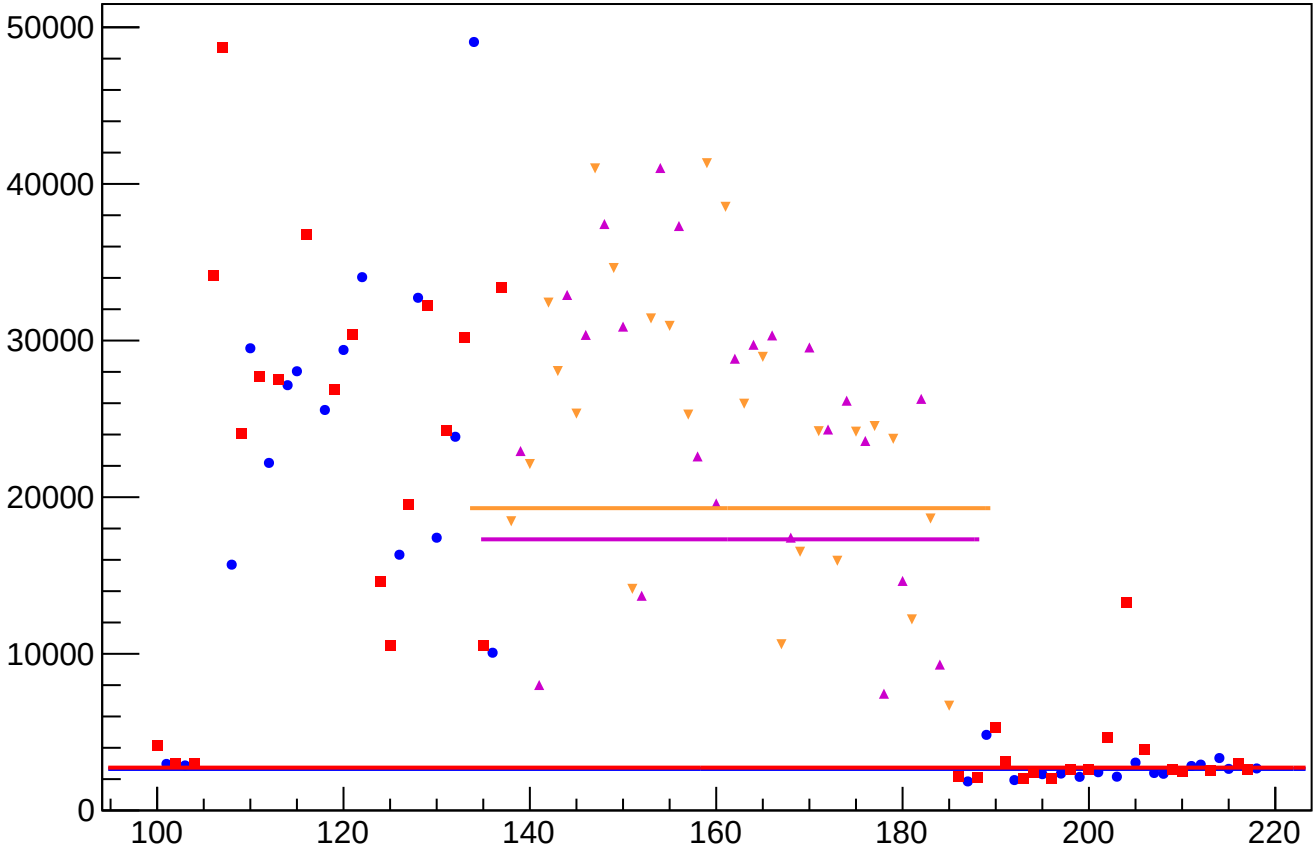
Right: 3.924+/-0.670 χ^2/NDF: 635.4/67

In: 10.942+/-0.917 χ^2/NDF:201.8/54

Out: -3.342+/-0.947 χ^2/NDF:357.6/60

All: 4.024+/-0.659 χ^2/NDF: 676.8/115

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: 2734.488+/-0.681 χ^2/NDF: 9432093.1/35

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

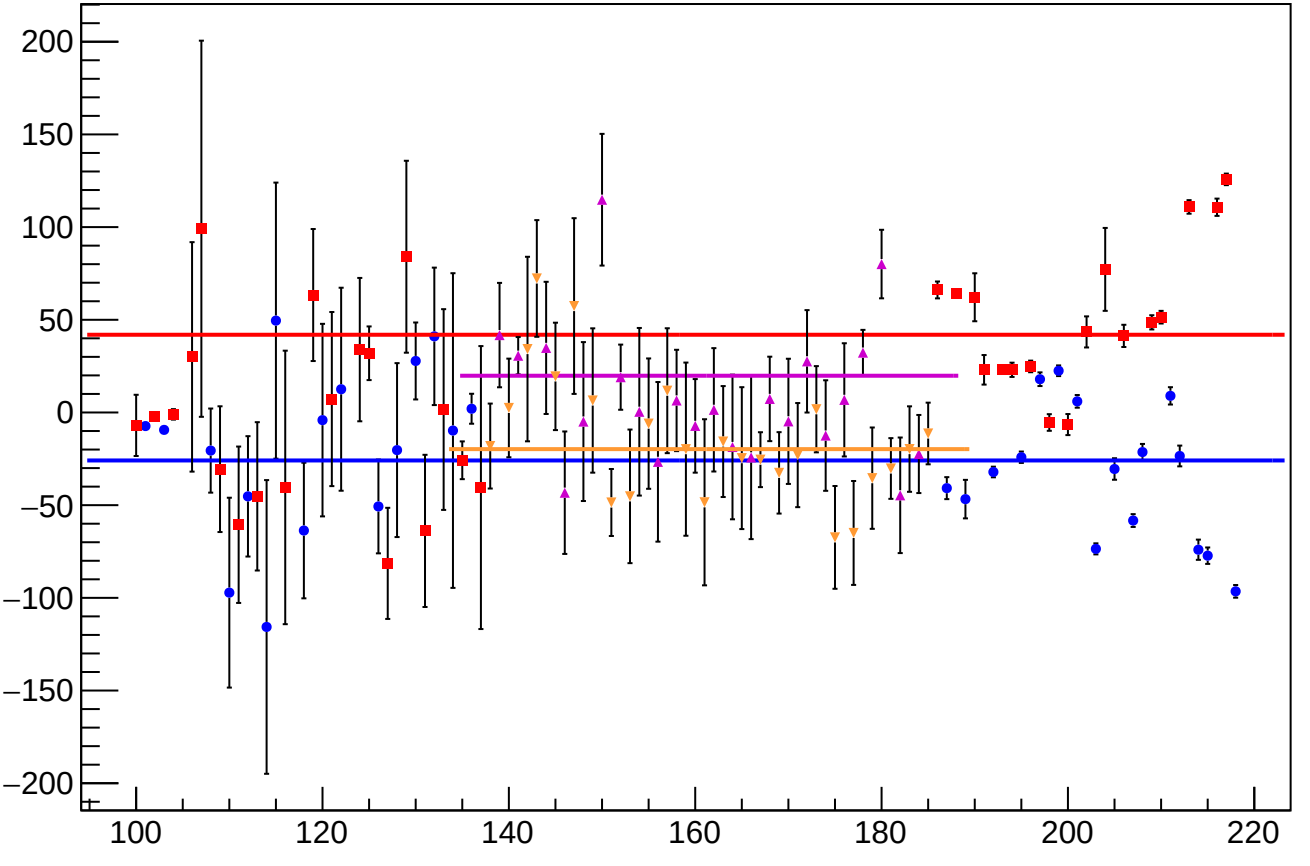
Right: 2690.898+/-0.474 χ^2/NDF: 17428749.2/67

In: 3126.176+/-0.649 χ^2/NDF:30755328.8/54

Out: 3277.833+/-0.669 χ^2/NDF:33892920.3/60

All: 3199.624+/-0.466 χ^2/NDF: 64674714.0/1

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: 41.929+/-0.865 χ^2/NDF: 2331.8/35

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

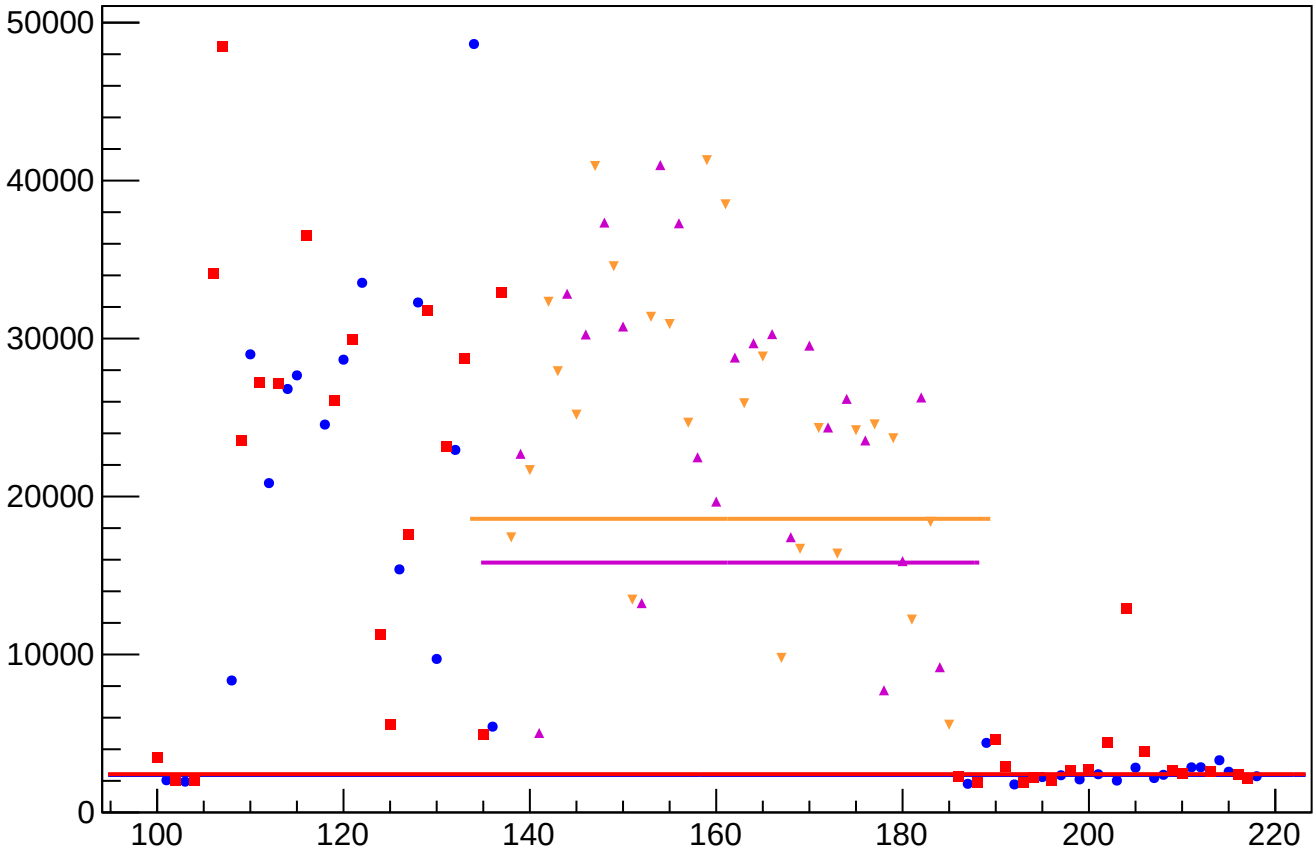
Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

Right: 7.124+/-0.604 χ^2/NDF: 7176.4/67

In: -24.543+/-0.830 χ^2/NDF:1818.8/54

Out: 40.214+/-0.853 χ^2/NDF:2500.9/60

All: 6.951+/-0.595 χ^2/NDF: 7278.9/115



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: 2424.040+/-0.612 χ^2/NDF: 9032653.6/35

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

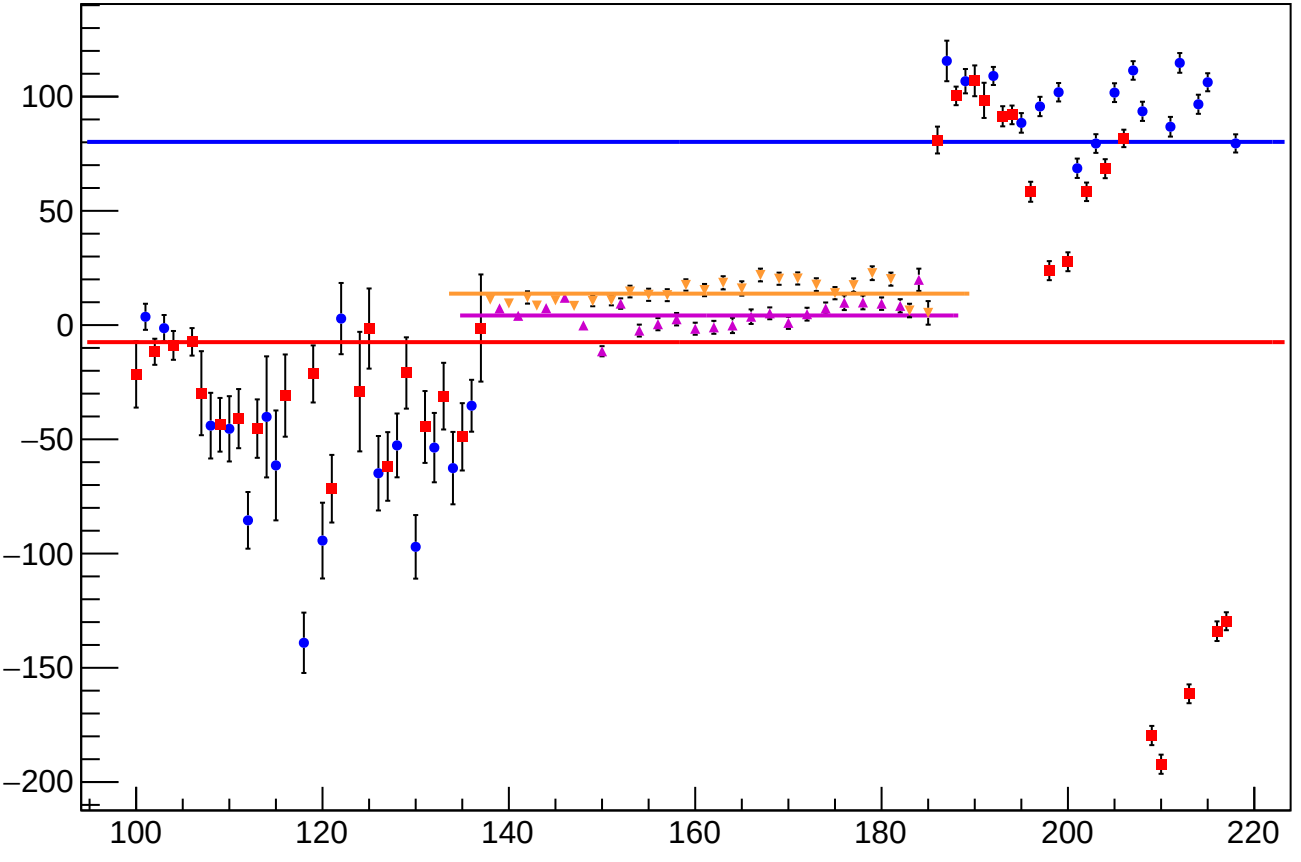
Right: 2398.321+/-0.427 χ^2/NDF: 16212132.7/67

In: 2768.552+/-0.587 χ^2/NDF:30525909.4/54

Out: 2873.478+/-0.603 χ^2/NDF:34138330.0/60

All: 2819.582+/-0.421 χ^2/NDF: 64679777.4/1

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: -7.465+/-0.981 χ^2/NDF: 10930.7/35

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

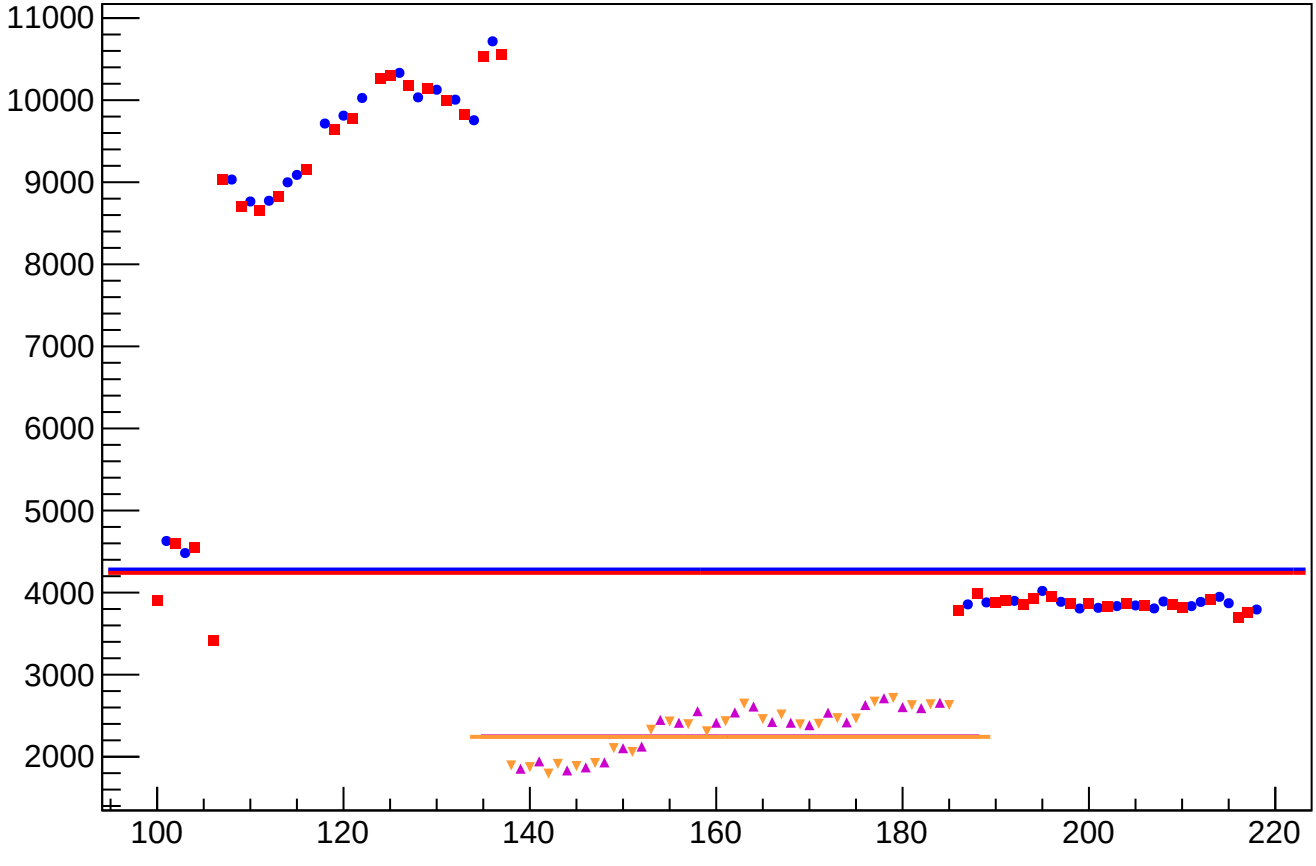
Right: 35.309+/-0.702 χ^2/NDF: 16970.3/67

In: 20.754+/-0.469 χ^2/NDF:6740.8/54

Out: 9.186+/-0.455 χ^2/NDF:11375.5/60

All: 14.801+/-0.327 χ^2/NDF: 18429.6/115

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: 4240.790+/-0.693 χ^2/NDF: 4049703.1/35

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

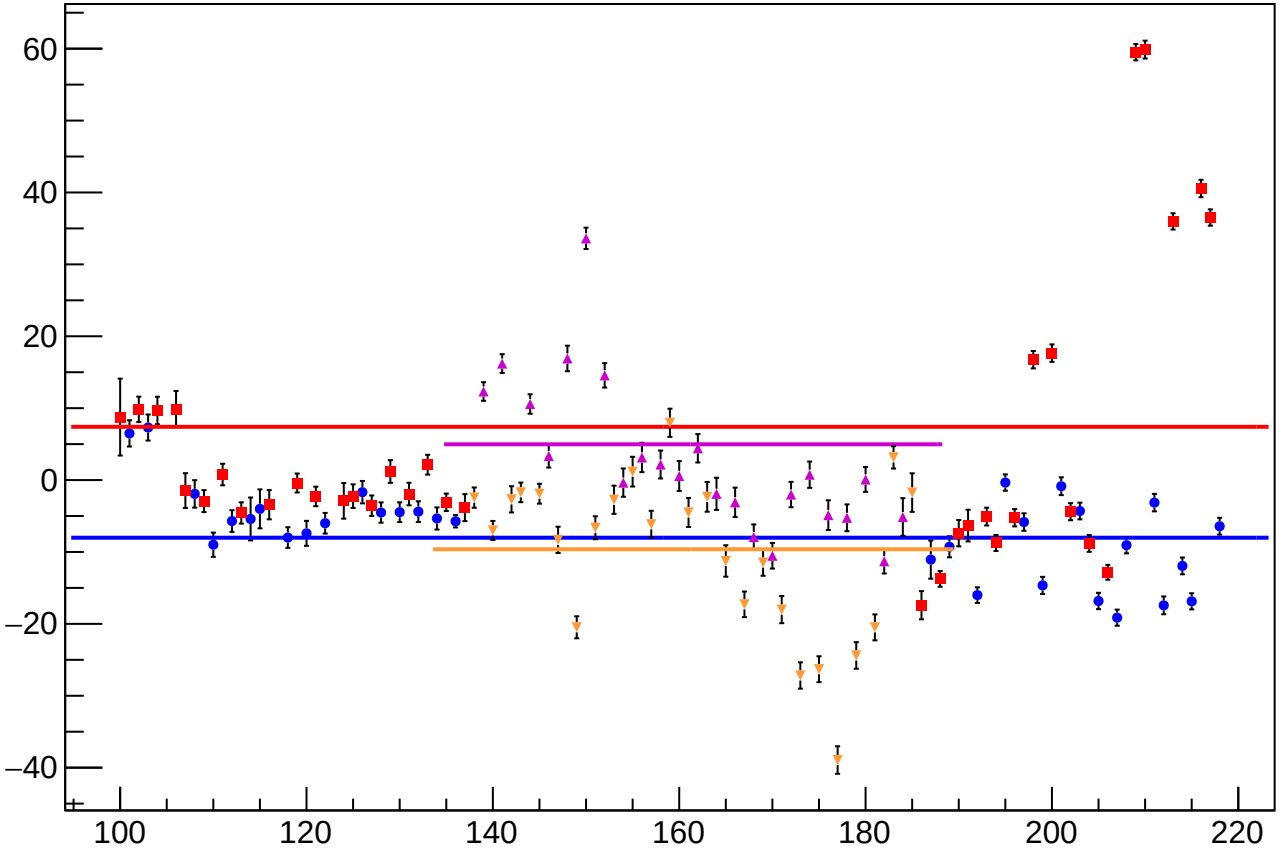
Right: 4260.473+/-0.496 χ^2/NDF: 8153574.4/67

In: 2691.358+/-0.331 χ^2/NDF:11150565.2/54

Out: 2673.057+/-0.322 χ^2/NDF:11223672.1/60

All: 2681.939+/-0.231 χ^2/NDF: 22375805.9/1

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: 7.407+/-0.235 χ^2/NDF: 8351.5/35

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

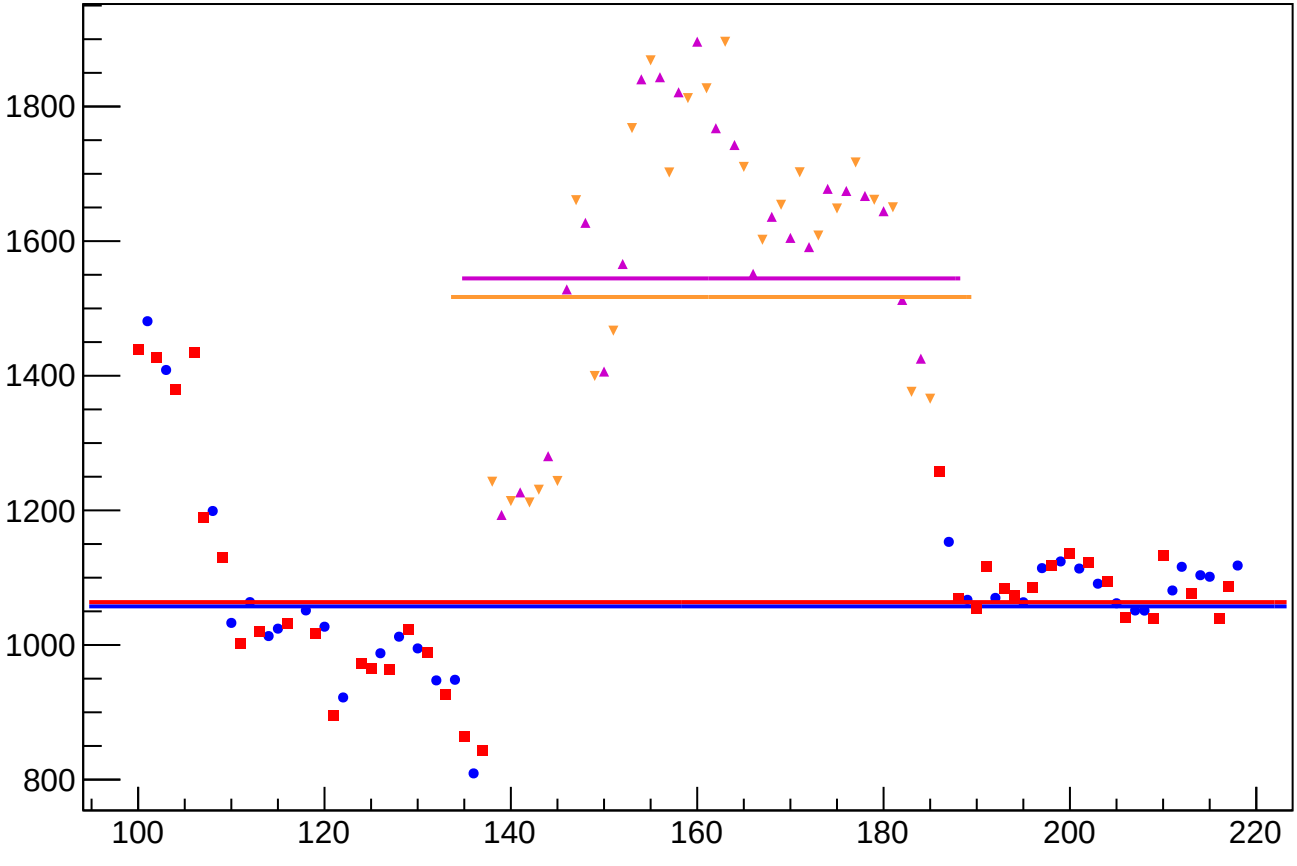
Right: -0.251+/-0.167 χ^2/NDF: 11177.7/67

In: -4.168+/-0.198 χ^2/NDF:2509.2/54

Out: 2.099+/-0.195 χ^2/NDF:10923.5/60

All: -0.978+/-0.139 χ^2/NDF: 13940.3/115

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: 1063.714+/-0.166 χ^2/NDF: 415954.4/35

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

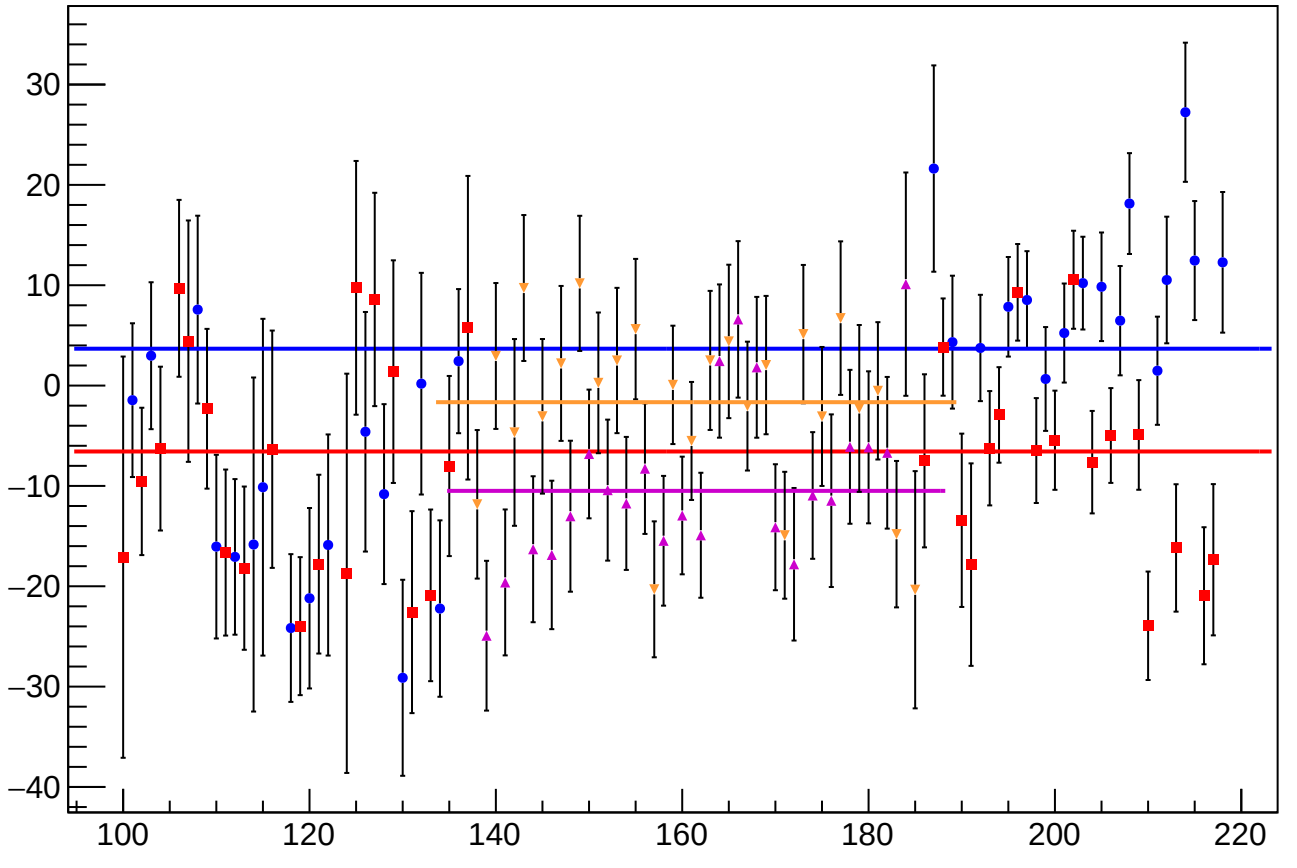
Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

Right: 1060.574+/-0.118 χ^2/NDF: 865631.6/67

In: 1201.735+/-0.140 χ^2/NDF:3600925.0/54

Out: 1205.000+/-0.138 χ^2/NDF:3569897.9/60

All: 1203.397+/-0.098 χ^2/NDF: 7171098.5/11



Right In: 3.674+/-1.191 χ^2/NDF: 96.4/31

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -6.568+/-1.163 χ^2/NDF: 76.7/35

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

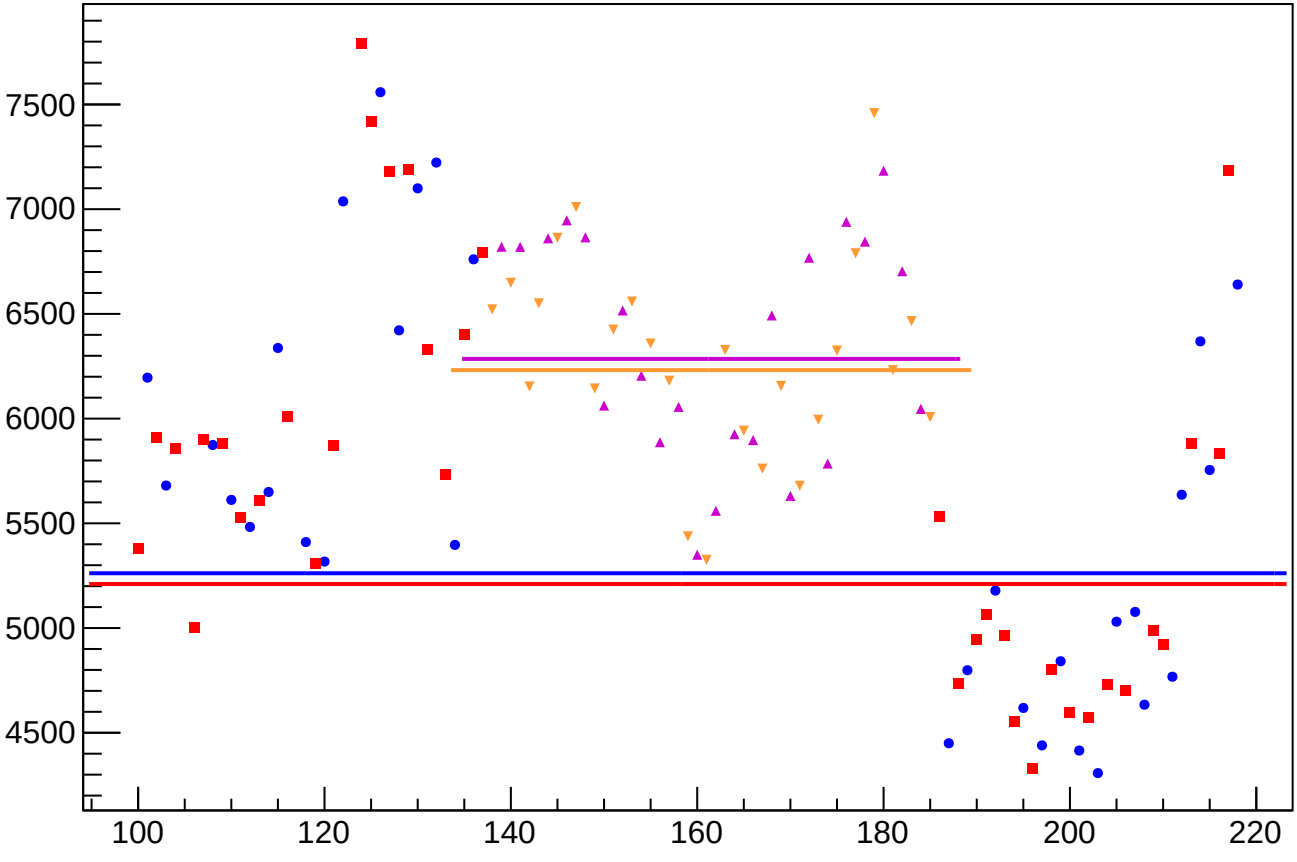
Right: -1.571+/-0.832 χ^2/NDF: 211.0/67

In: -1.896+/-0.928 χ^2/NDF:177.0/54

Out: -4.607+/-0.901 χ^2/NDF:115.3/60

All: -3.291+/-0.646 χ^2/NDF: 296.7/115

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: 5210.109+/-0.822 χ^2/NDF: 834324.8/35

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

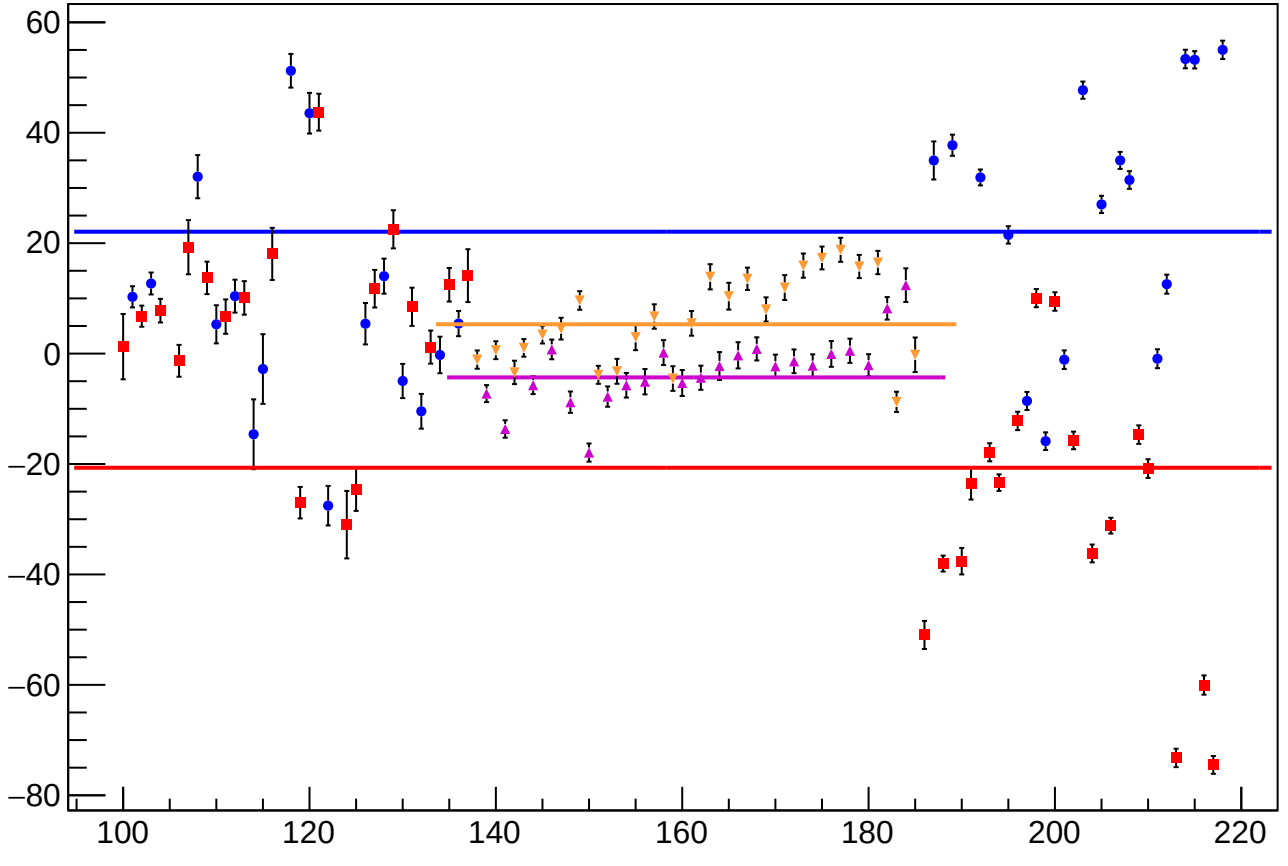
Right: 5235.242+/-0.588 χ^2/NDF: 1750599.9/67

In: 5664.018+/-0.656 χ^2/NDF:1760289.3/54

Out: 5617.839+/-0.637 χ^2/NDF:1677616.0/60

All: 5640.254+/-0.457 χ^2/NDF: 3440454.7/11

diff_bpm0l05Y_mean vs Slug, Sign Corrected



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: -20.674+/-0.359 χ^2/NDF: 5643.9/35

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

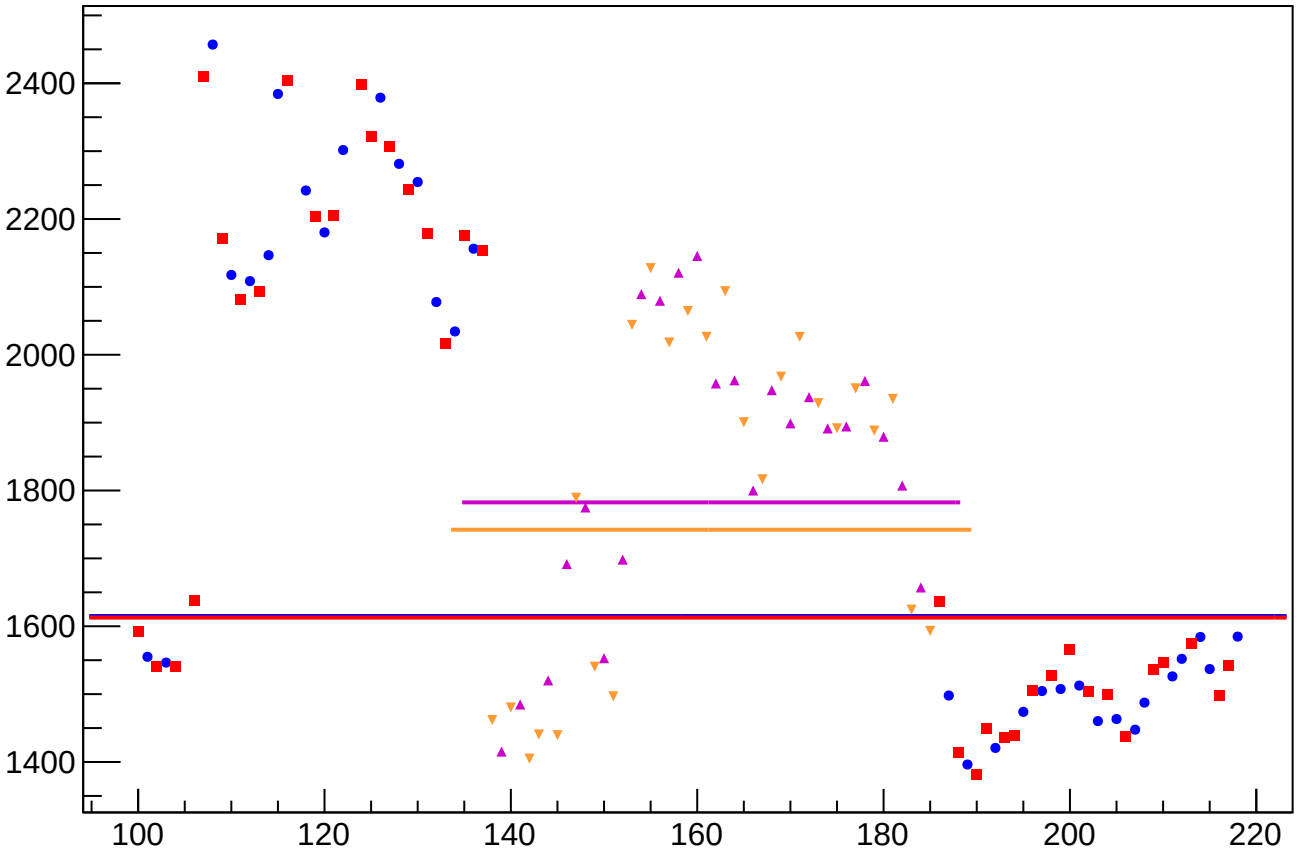
Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

Right: 0.405+/-0.256 χ^2/NDF: 16370.8/67

In: 10.755+/-0.275 χ^2/NDF:6213.8/54

Out: -9.086+/-0.267 χ^2/NDF:8356.6/60

All: 0.548+/-0.192 χ^2/NDF: 17245.0/115



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: 1612.782+/-0.254 χ^2/NDF: 1059997.8/35

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

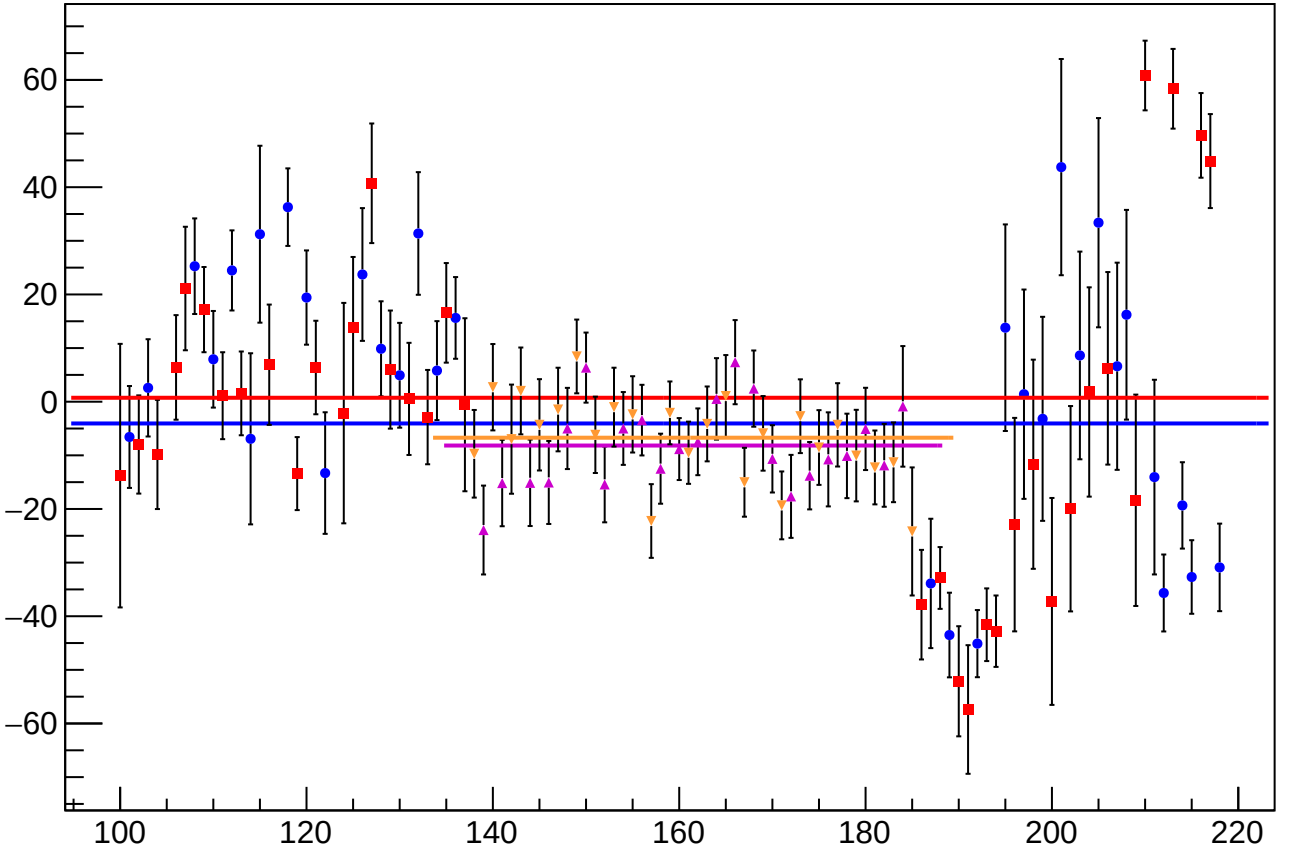
Right: 1613.910+/-0.181 χ^2/NDF: 2142470.8/67

In: 1686.909+/-0.195 χ^2/NDF:1798203.5/54

Out: 1670.500+/-0.189 χ^2/NDF:1943493.1/60

All: 1678.468+/-0.136 χ^2/NDF: 3745355.3/11

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: 0.736+/-1.614 χ^2/NDF: 429.7/35

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

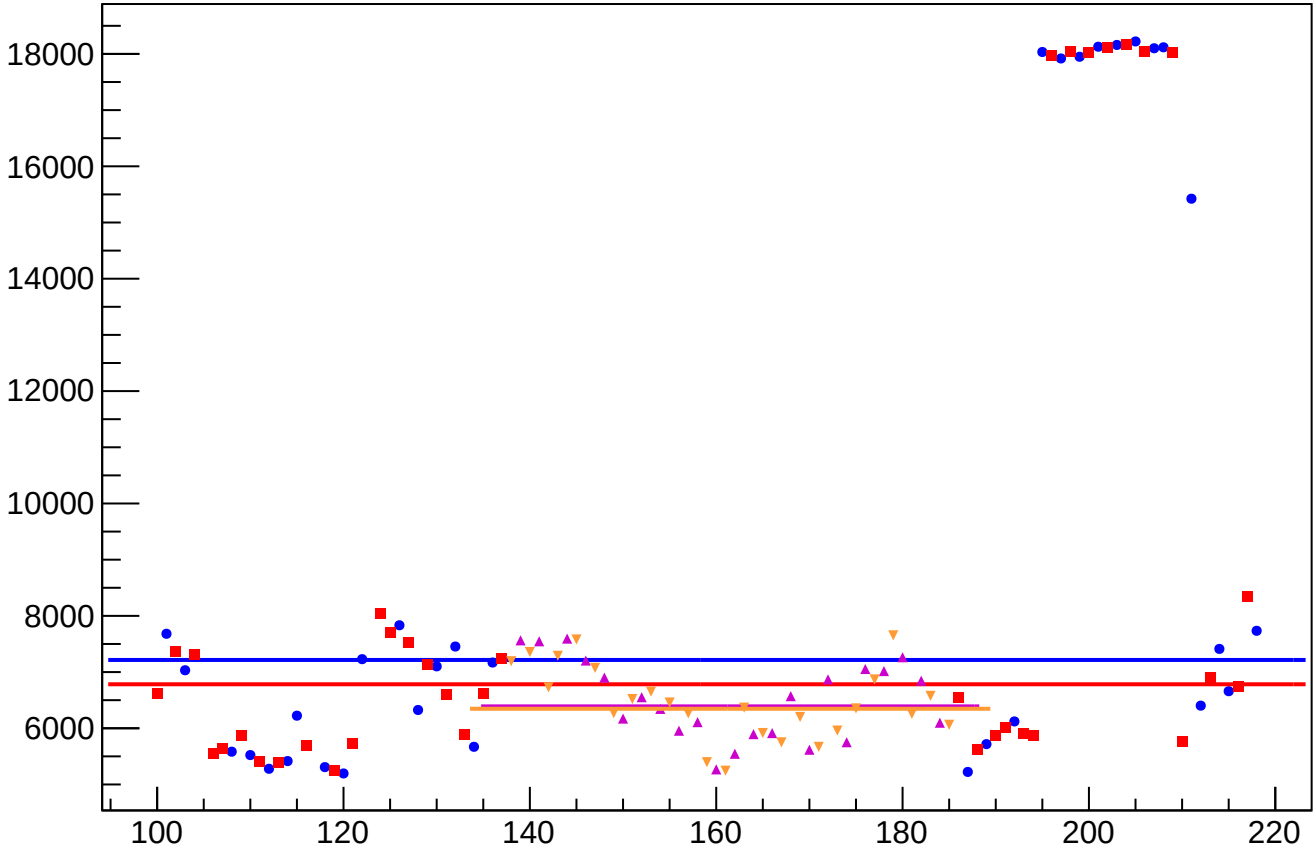
Right: -1.457+/-1.189 χ^2/NDF: 668.5/67

In: -6.424+/-1.145 χ^2/NDF:262.1/54

Out: -3.367+/-1.082 χ^2/NDF:467.1/60

All: -4.809+/-0.787 χ^2/NDF: 733.0/115

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: 6782.884+/-1.142 χ^2/NDF: 5500600.5/35

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

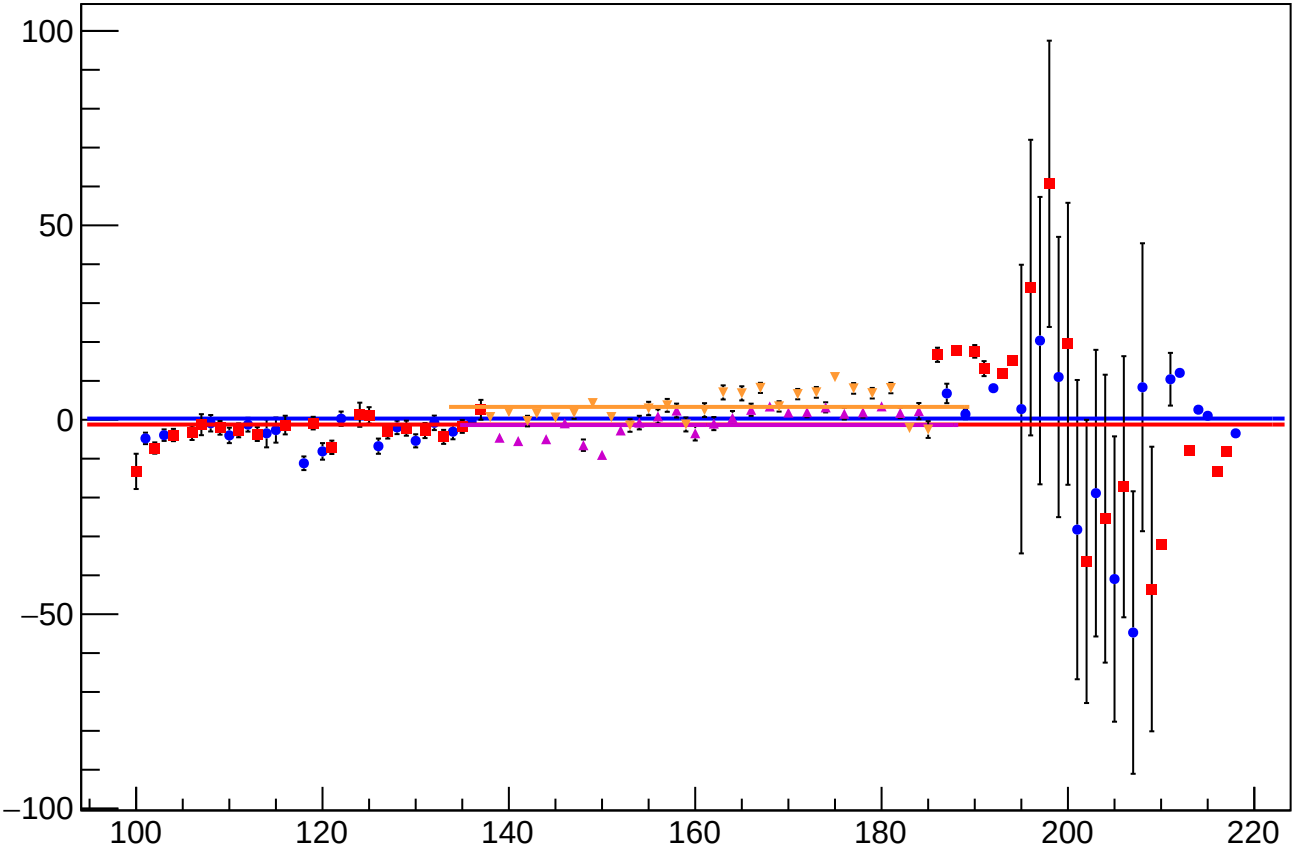
Right: 6980.905+/-0.841 χ^2/NDF: 11836519.4/67

In: 6740.238+/-0.810 χ^2/NDF:6944172.5/54

Out: 6542.930+/-0.765 χ^2/NDF:5966832.4/60

All: 6635.969+/-0.556 χ^2/NDF: 12942368.5/1

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: -1.228+/-0.287 χ^2/NDF: 1881.6/35

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

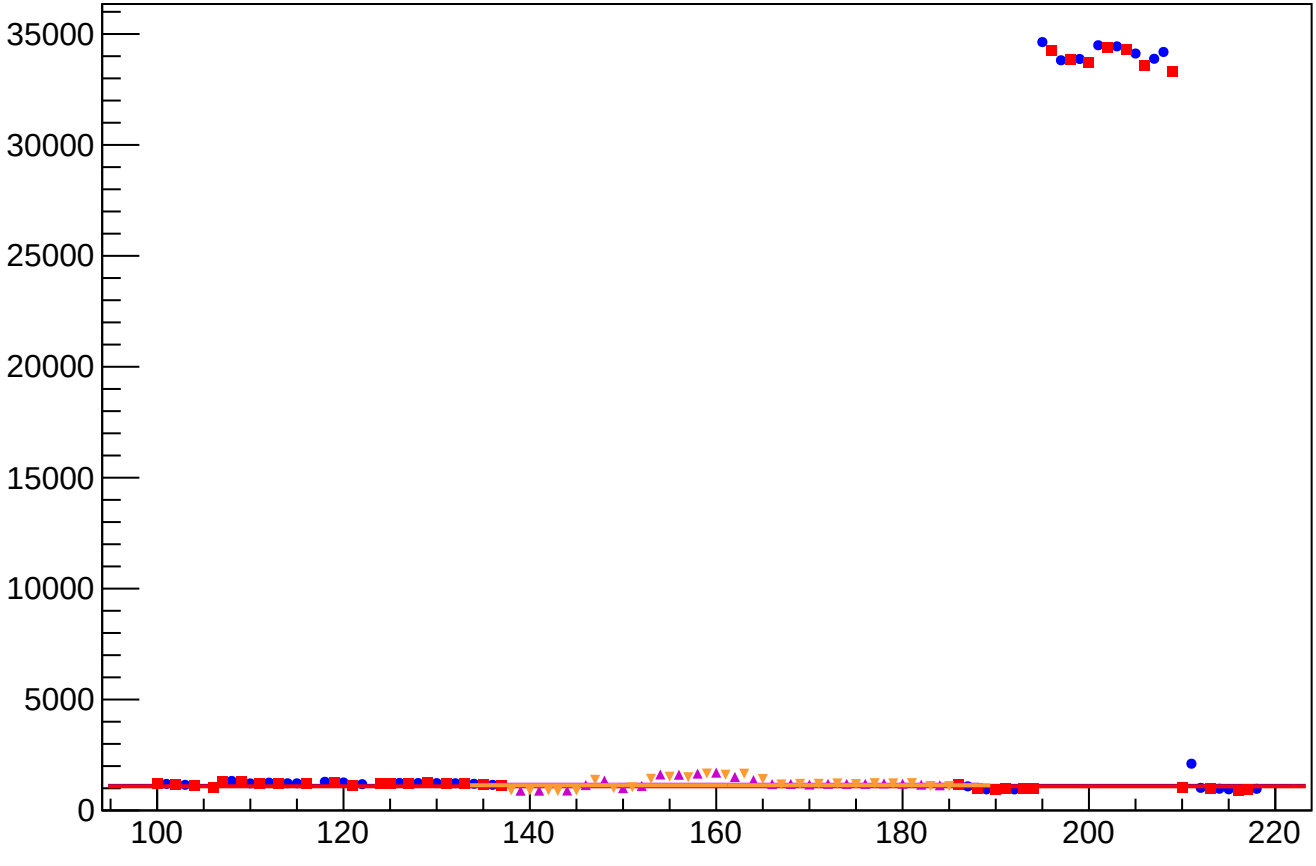
Right: -0.517+/-0.210 χ^2/NDF: 2218.5/67

In: -0.616+/-0.206 χ^2/NDF:536.0/54

Out: 1.227+/-0.194 χ^2/NDF:2194.7/60

All: 0.359+/-0.141 χ^2/NDF: 2773.0/115

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: 1088.622+/-0.203 χ^2/NDF: 11815549.2/35

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

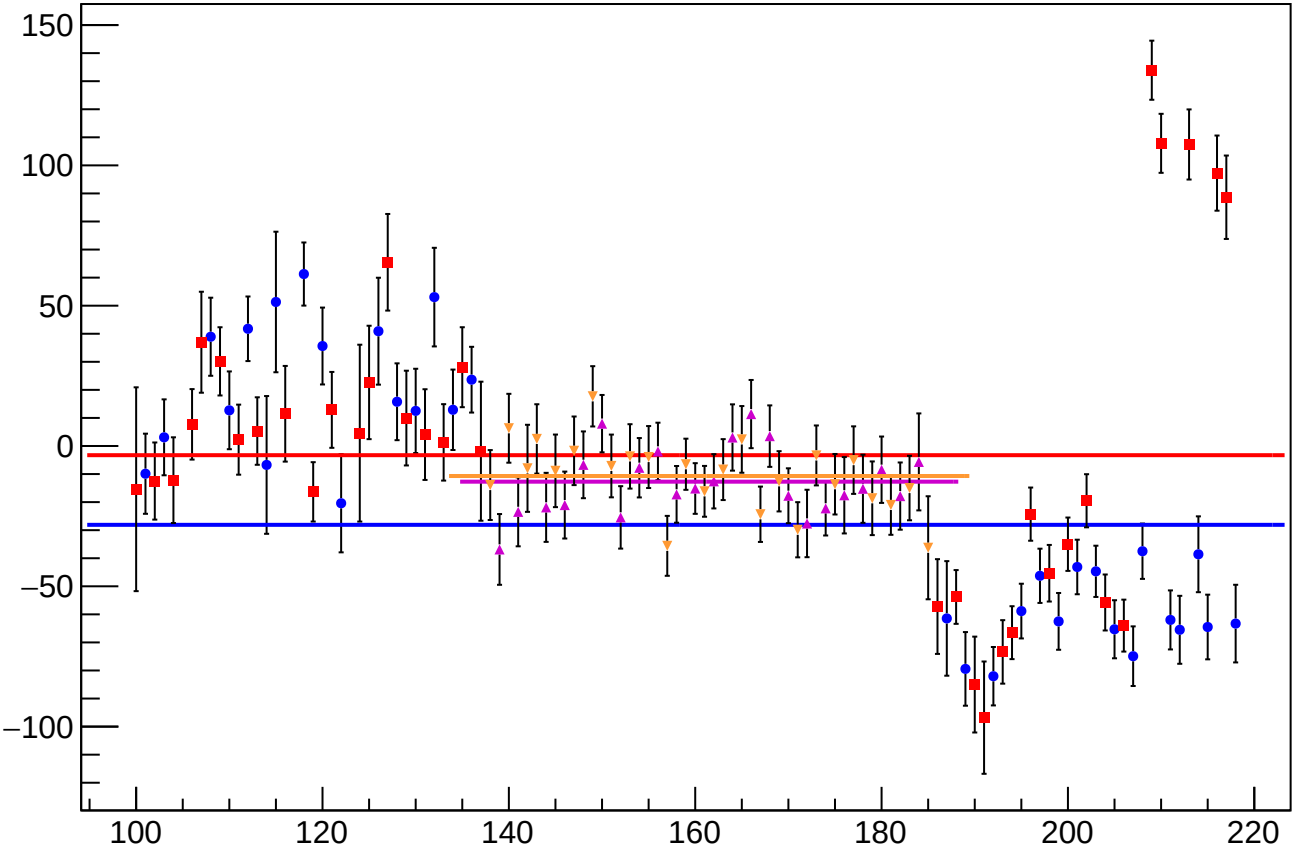
Right: 1097.692+/-0.149 χ^2/NDF: 25048847.3/67

In: 1136.662+/-0.146 χ^2/NDF:14519244.0/54

Out: 1114.869+/-0.138 χ^2/NDF:13316160.5/60

All: 1125.129+/-0.100 χ^2/NDF: 27847228.7/1

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: -3.275+/-2.119 χ^2/NDF: 770.1/35

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

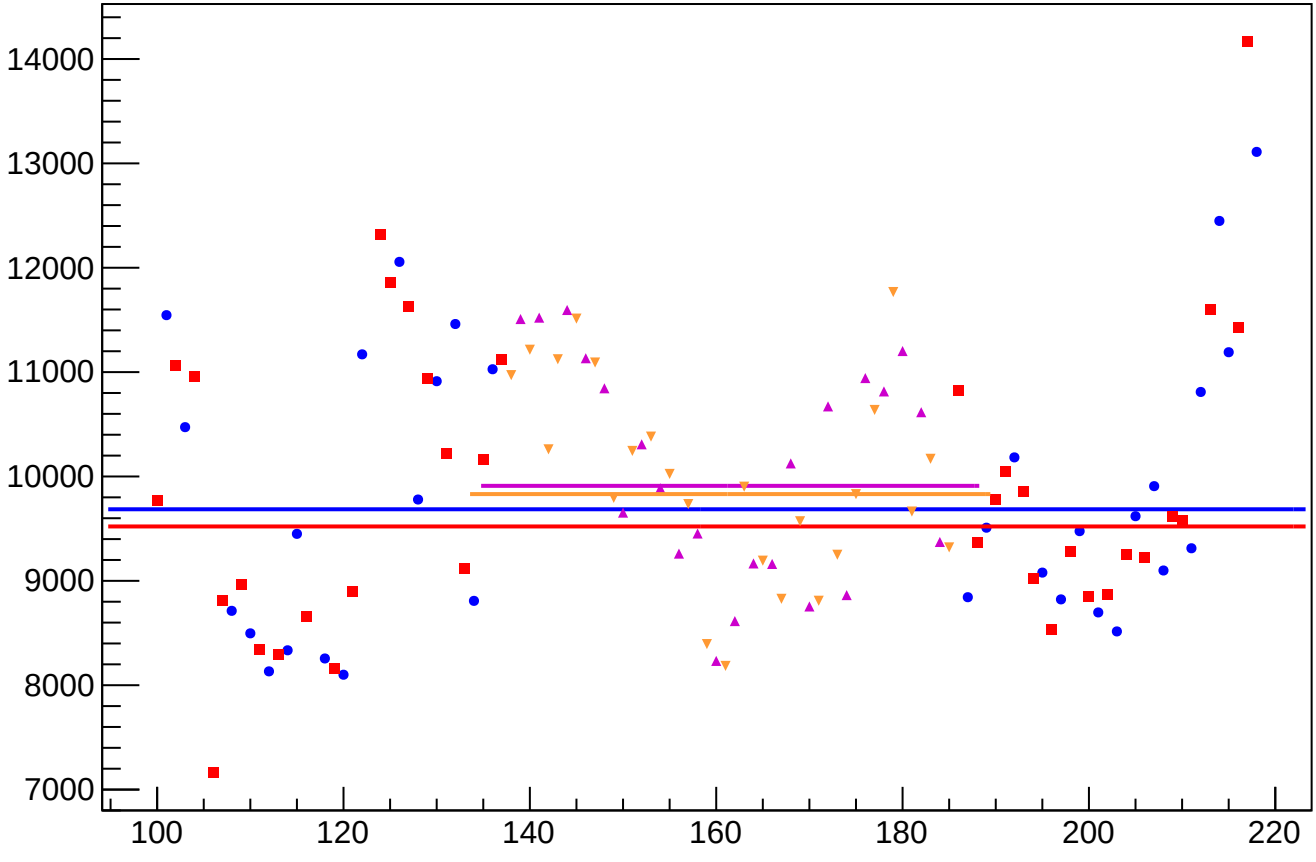
Right: -15.307+/-1.521 χ^2/NDF: 1233.6/67

In: -20.938+/-1.597 χ^2/NDF:444.1/54

Out: -6.752+/-1.545 χ^2/NDF:804.5/60

All: -13.609+/-1.110 χ^2/NDF: 1289.4/115

diff_bpm0l07X_rms vs Slug, Sign Corrected



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: 9521.147+/-1.498 χ^2/NDF: 665469.1/35

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

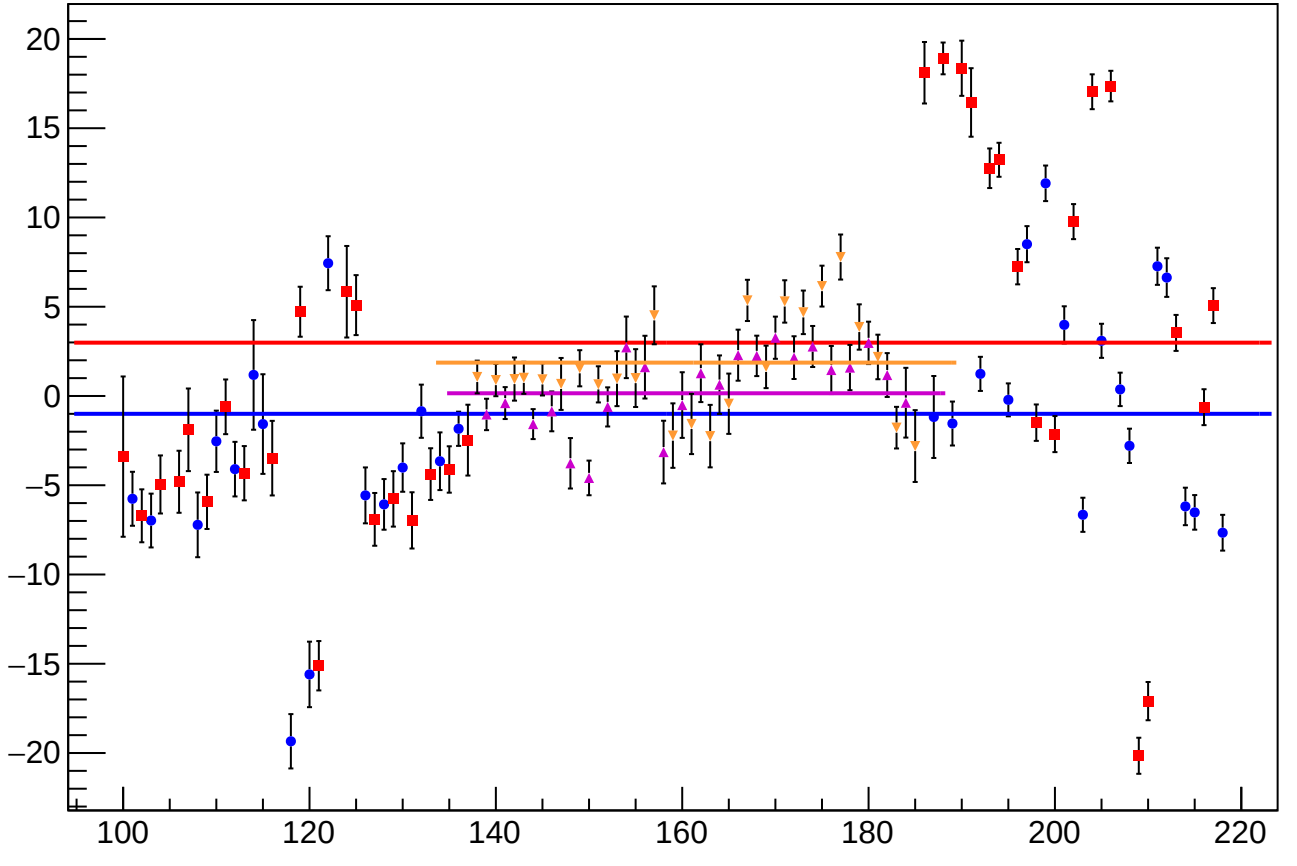
Right: 9600.957+/-1.075 χ^2/NDF: 1305683.2/67

In: 9790.296+/-1.129 χ^2/NDF:1033562.8/54

Out: 9666.431+/-1.092 χ^2/NDF:1041666.4/60

All: 9726.306+/-0.785 χ^2/NDF: 2081443.9/11

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: 2.987+/-0.211 χ^2/NDF: 2753.9/35

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

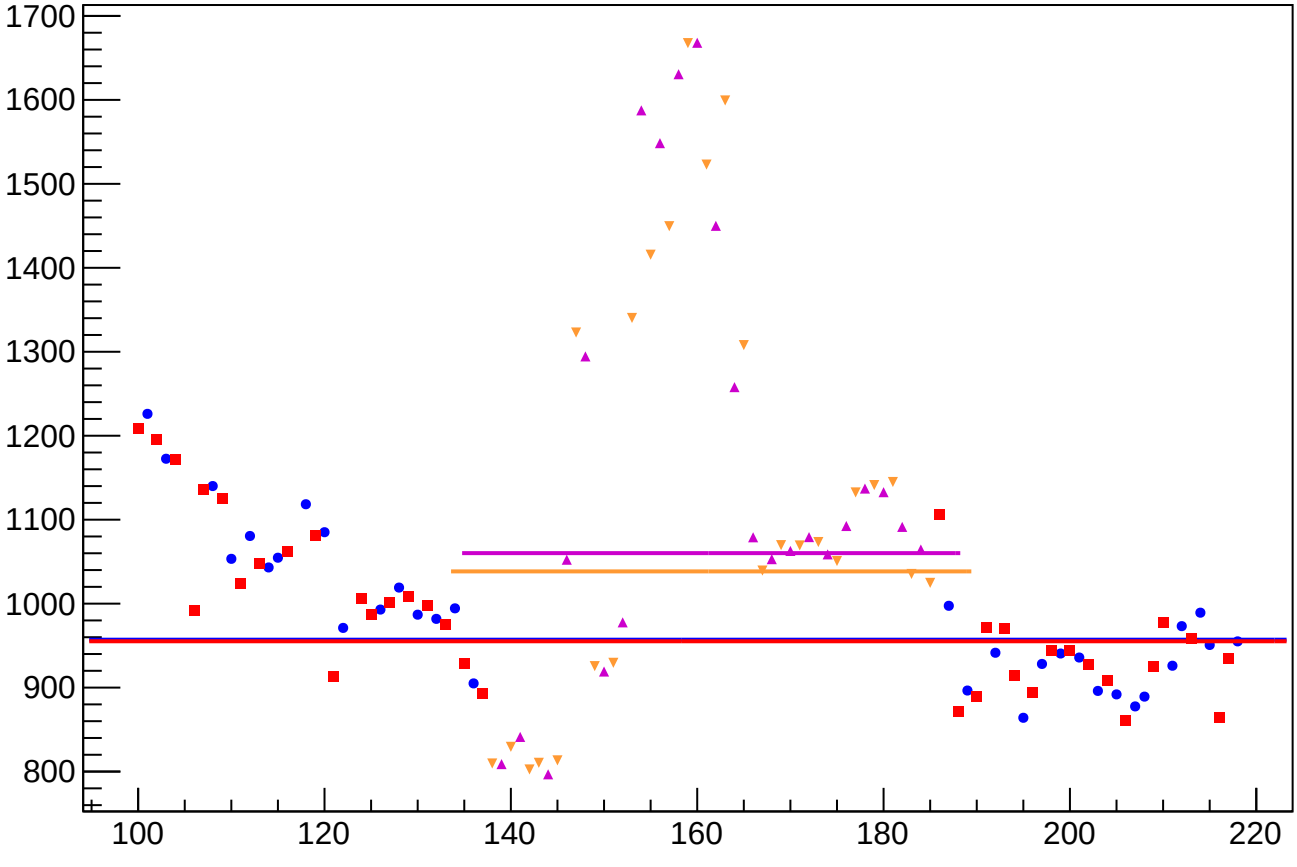
Right: 1.023+/-0.150 χ^2/NDF: 3801.2/67

In: -0.523+/-0.164 χ^2/NDF:958.4/54

Out: 2.507+/-0.159 χ^2/NDF:2869.2/60

All: 1.035+/-0.114 χ^2/NDF: 4003.9/115

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: 955.180+/-0.149 χ^2/NDF: 276963.5/35

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

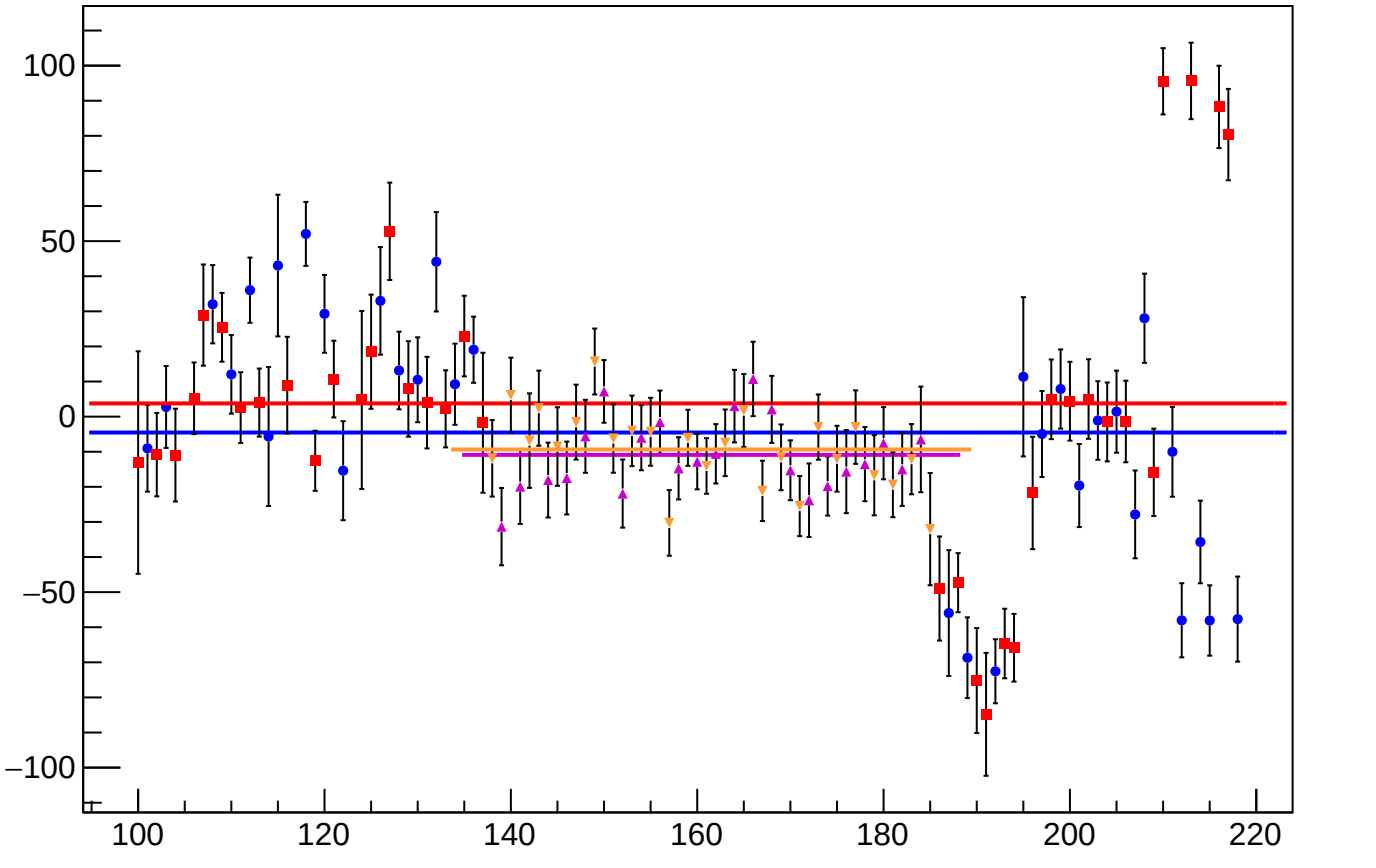
Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

Right: 956.105+/-0.106 χ^2/NDF: 546048.6/67

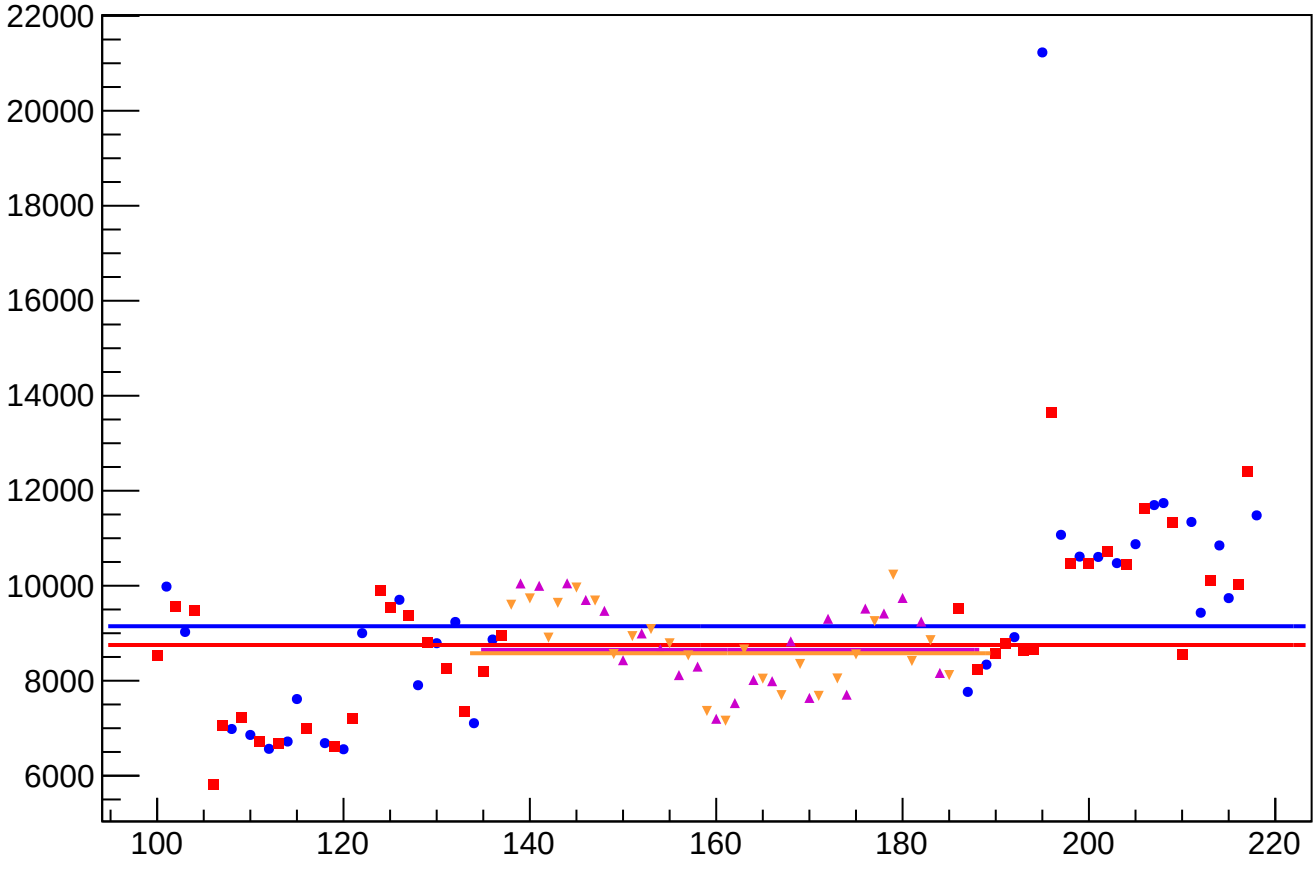
In: 999.682+/-0.116 χ^2/NDF:1984804.3/54

Out: 990.936+/-0.112 χ^2/NDF:2117843.6/60

All: 995.185+/-0.081 χ^2/NDF: 4105585.9/115


diff_bpm0l08X_mean vs Slug, Sign Corrected
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -4.527+/-2.094 χ²/NDF: 305.5/31
Left Out: -9.355+/-1.969 χ²/NDF:28.5/24
Right Out: 3.770+/-1.977 χ²/NDF: 491.5/35
Left In: -10.892+/-2.043 χ²/NDF:23.6/22
Left: -10.095+/-1.418 χ²/NDF: 52.4/47
Right: -0.139+/-1.438 χ²/NDF: 805.4/67
In: -7.789+/-1.462 χ²/NDF:333.9/54
Out: -2.818+/-1.395 χ²/NDF:542.2/60
All: -5.187+/-1.009 χ²/NDF: 882.1/115

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: 8752.216+/-1.398 χ^2/NDF: 1500543.5/35

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

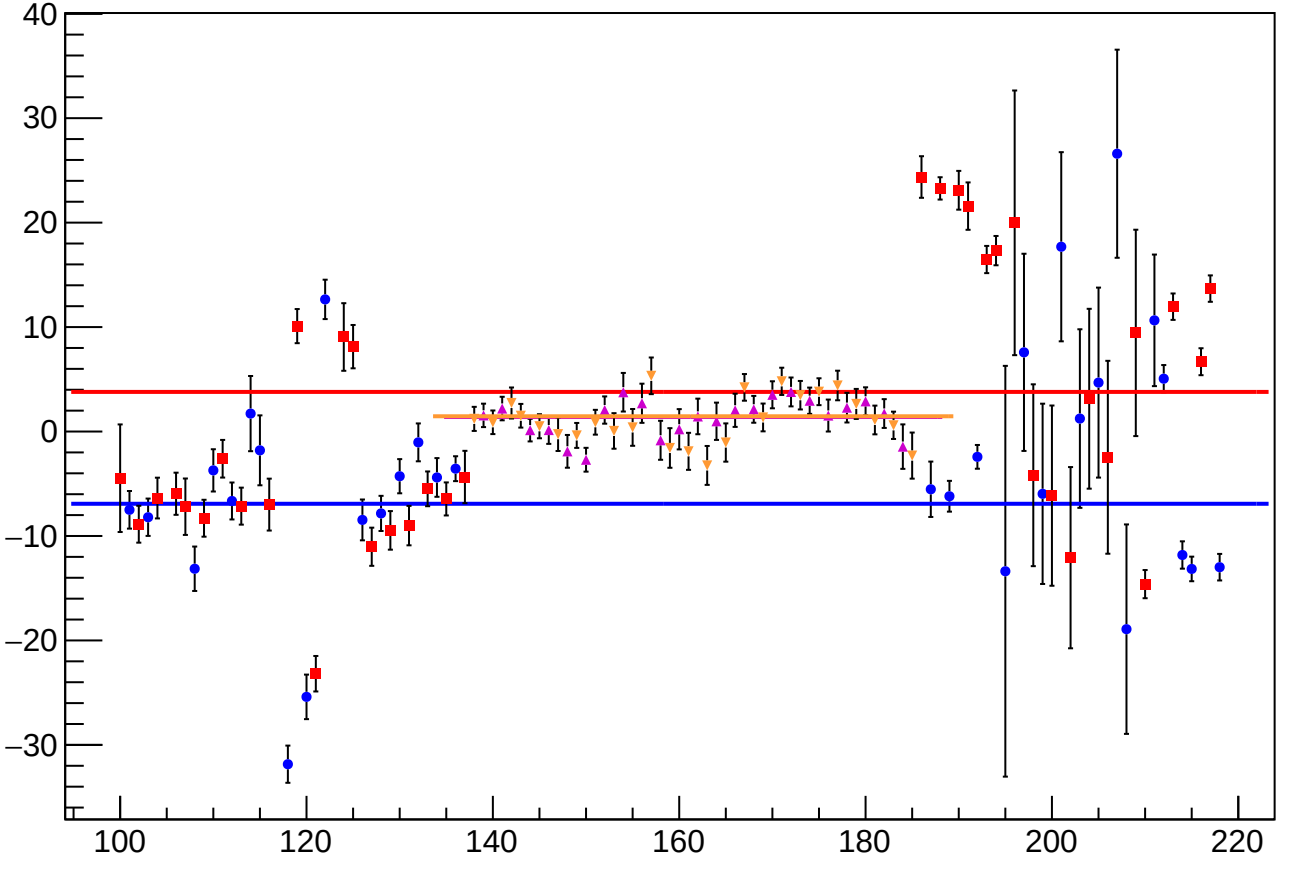
Right: 8938.337+/-1.016 χ^2/NDF: 3376882.9/67

In: 8892.007+/-1.034 χ^2/NDF:2274603.0/54

Out: 8664.973+/-0.986 χ^2/NDF:1852026.3/60

All: 8773.159+/-0.714 χ^2/NDF: 4151869.0/11

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: 3.793+/-0.314 χ^2/NDF: 1857.1/35

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

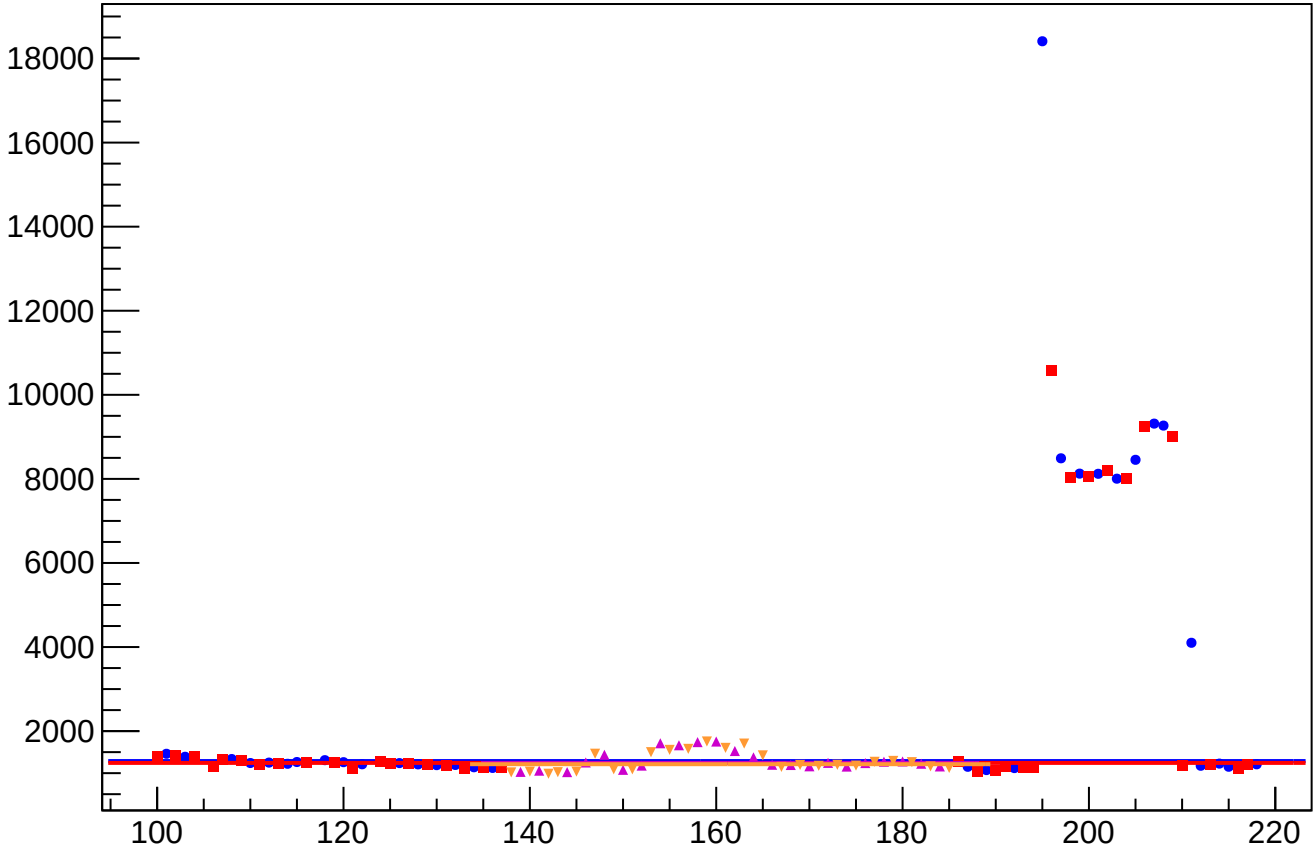
Right: -1.142+/-0.230 χ^2/NDF: 3014.0/67

In: -2.173+/-0.222 χ^2/NDF:997.8/54

Out: 2.497+/-0.209 χ^2/NDF:1938.8/60

All: 0.304+/-0.152 χ^2/NDF: 3170.6/115

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: 1244.031+/-0.222 χ^2/NDF: 9033201.1/35

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

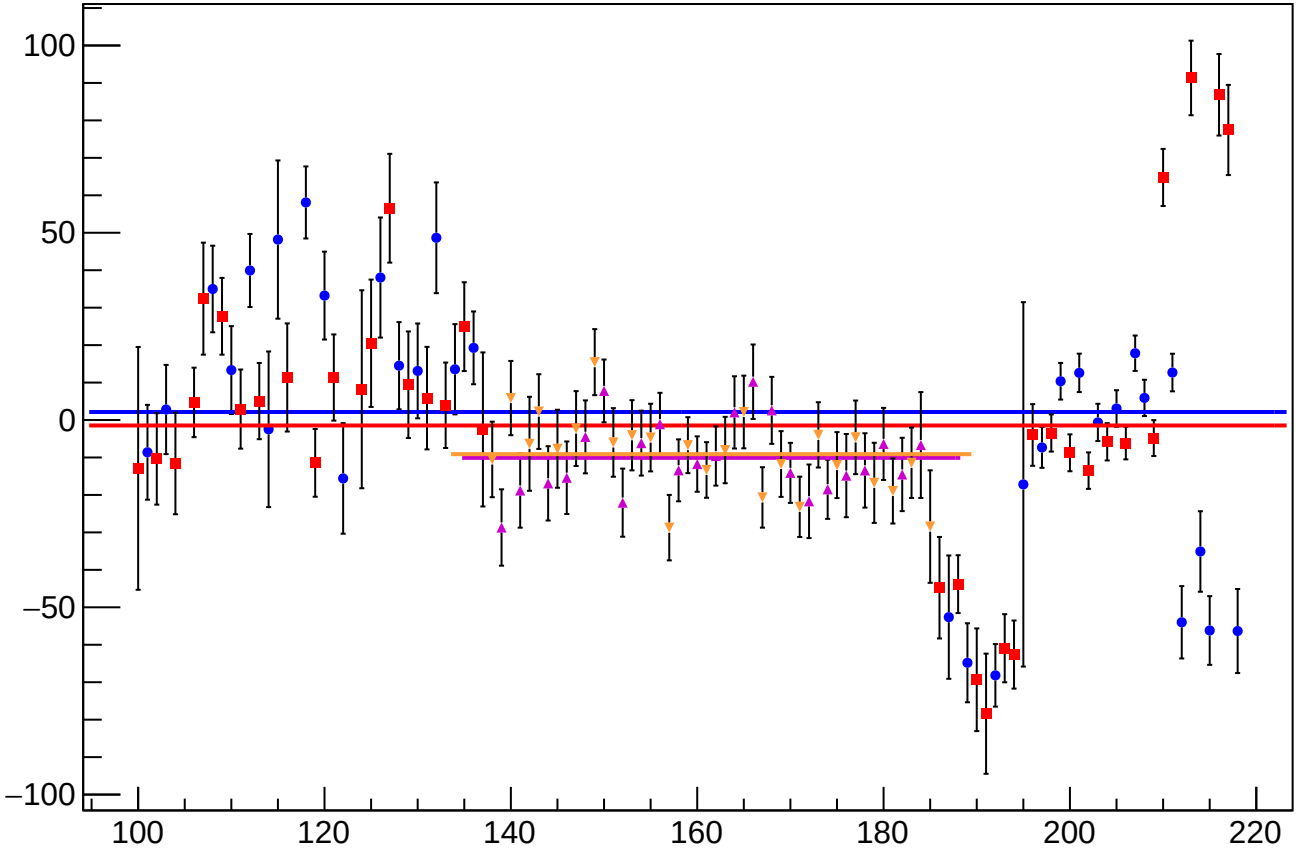
Right: 1264.066+/-0.163 χ^2/NDF: 19812776.6/67

In: 1259.907+/-0.157 χ^2/NDF:11670634.7/54

Out: 1226.926+/-0.148 χ^2/NDF:10056648.4/60

All: 1242.408+/-0.108 χ^2/NDF: 21750626.2/1

diff_bpm0l09X_mean vs Slug, Sign Corrected



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: -1.455+/-1.425 χ^2/NDF: 500.6/35

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

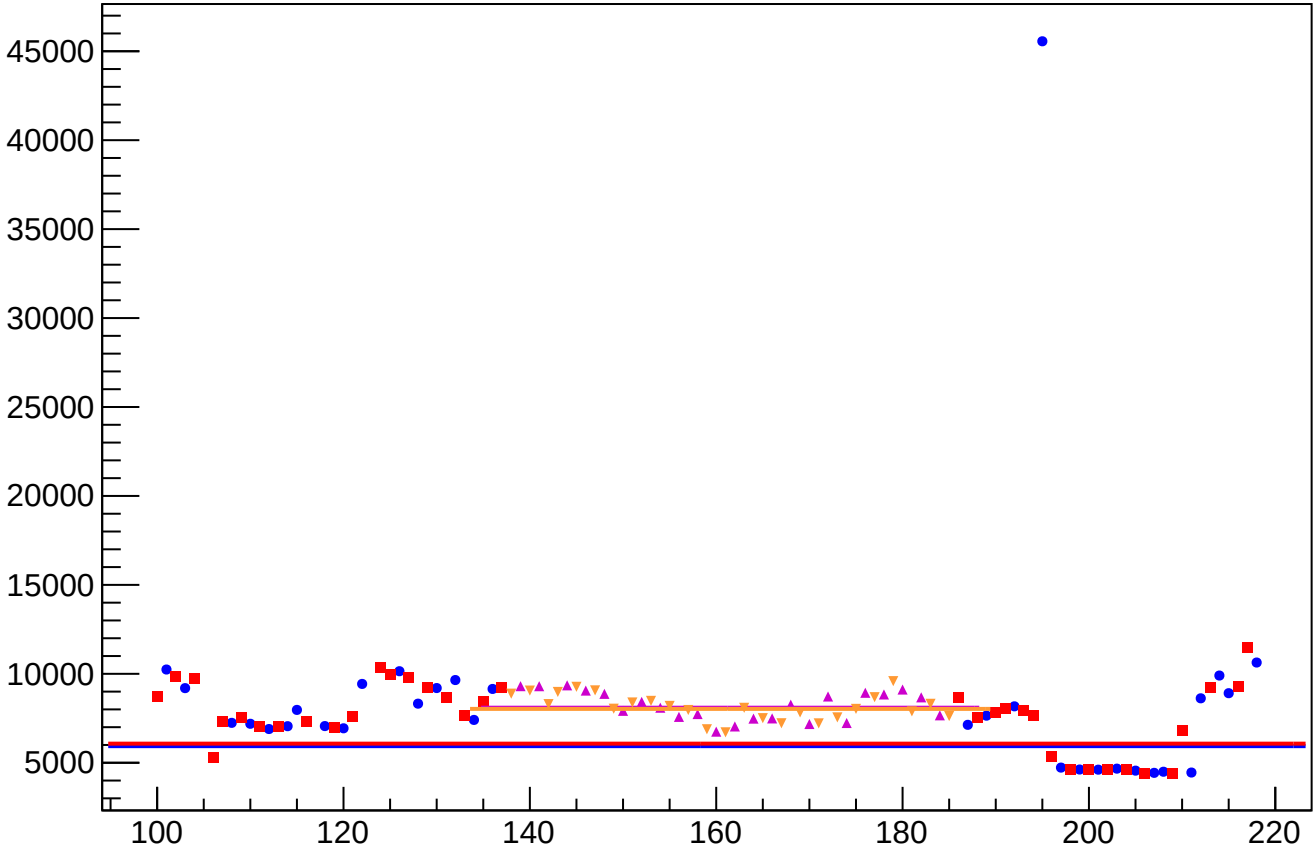
Right: 0.350+/-1.006 χ^2/NDF: 858.6/67

In: -2.214+/-1.141 χ^2/NDF:405.5/54

Out: -4.321+/-1.127 χ^2/NDF:540.2/60

All: -3.280+/-0.802 χ^2/NDF: 947.4/115

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 5933.633+/-1.005 χ^2/NDF: 5099122.1/31

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 6074.212+/-1.007 χ^2/NDF: 3571771.0/35

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

Left: 8060.478+/-0.938 χ^2/NDF: 701195.2/47

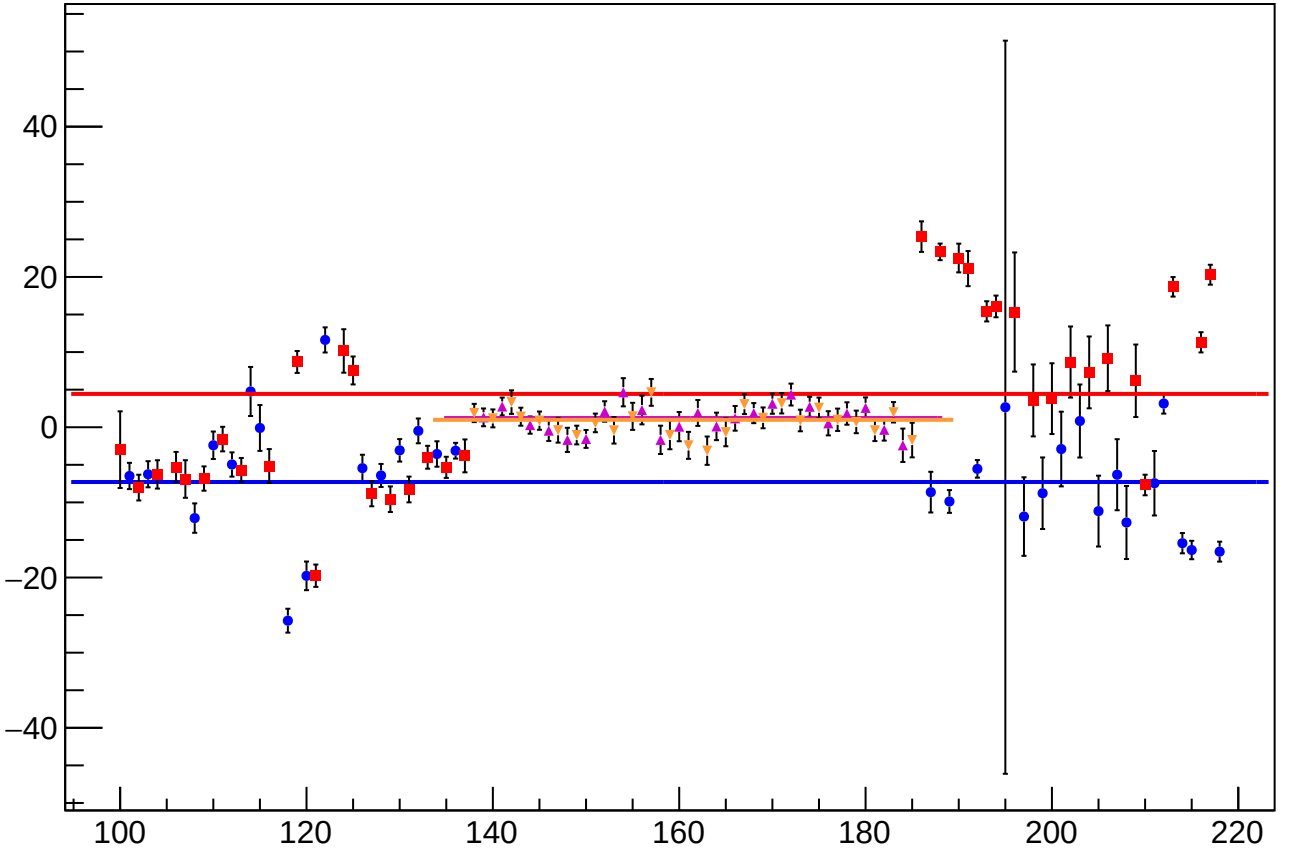
Right: 6003.765+/-0.712 χ^2/NDF: 8680650.5/67

In: 6703.578+/-0.807 χ^2/NDF:7113831.6/54

Out: 6805.351+/-0.797 χ^2/NDF:5311722.4/60

All: 6755.074+/-0.567 χ^2/NDF: 12433610.2/1

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: 4.435+/-0.301 χ^2/NDF: 1857.3/35

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

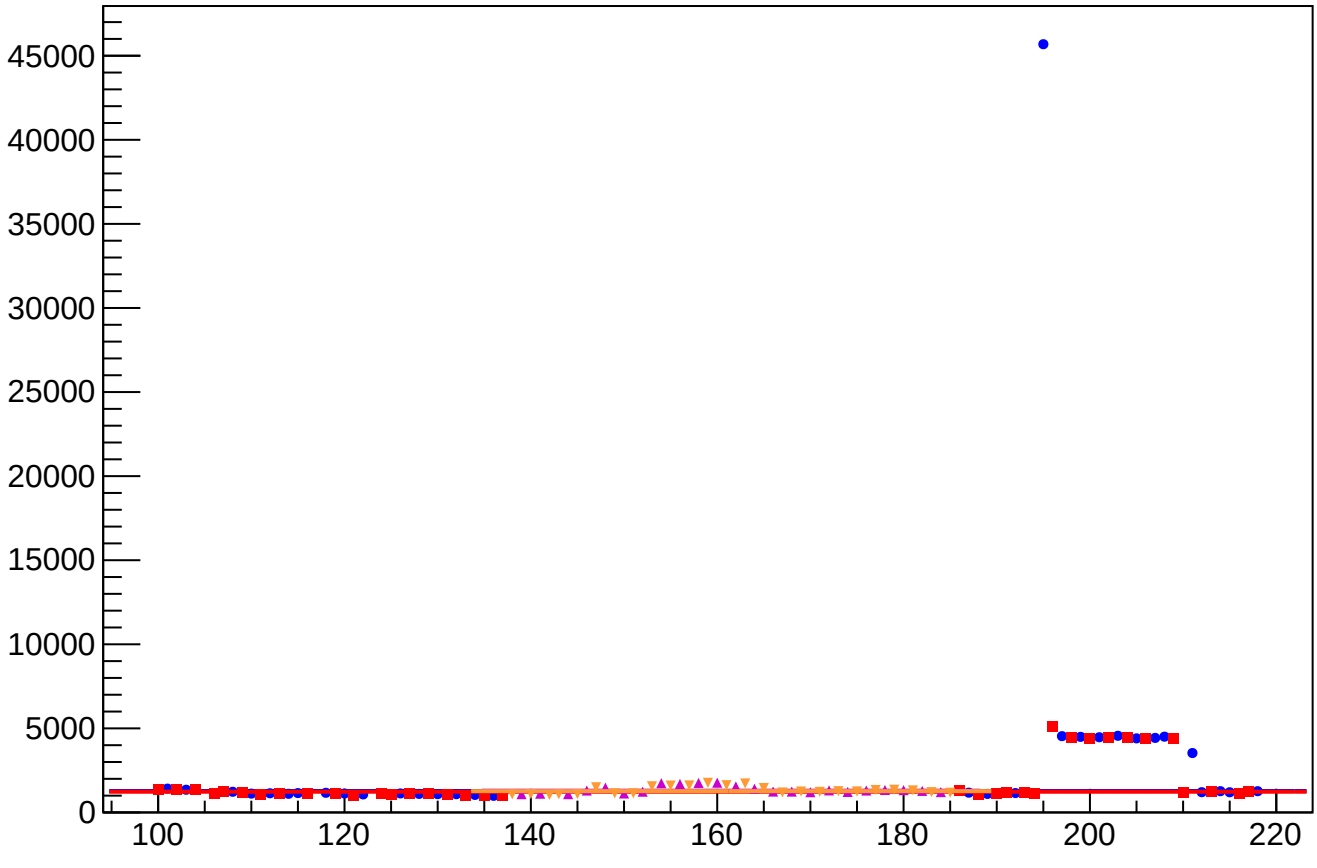
Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

Right: -1.030+/-0.220 χ^2/NDF: 3163.8/67

In: -2.823+/-0.222 χ^2/NDF:998.9/54

Out: 2.661+/-0.210 χ^2/NDF:1955.7/60

All: 0.076+/-0.152 χ^2/NDF: 3276.8/115



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: 1232.836+/-0.213 χ^2/NDF: 6410996.5/35

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

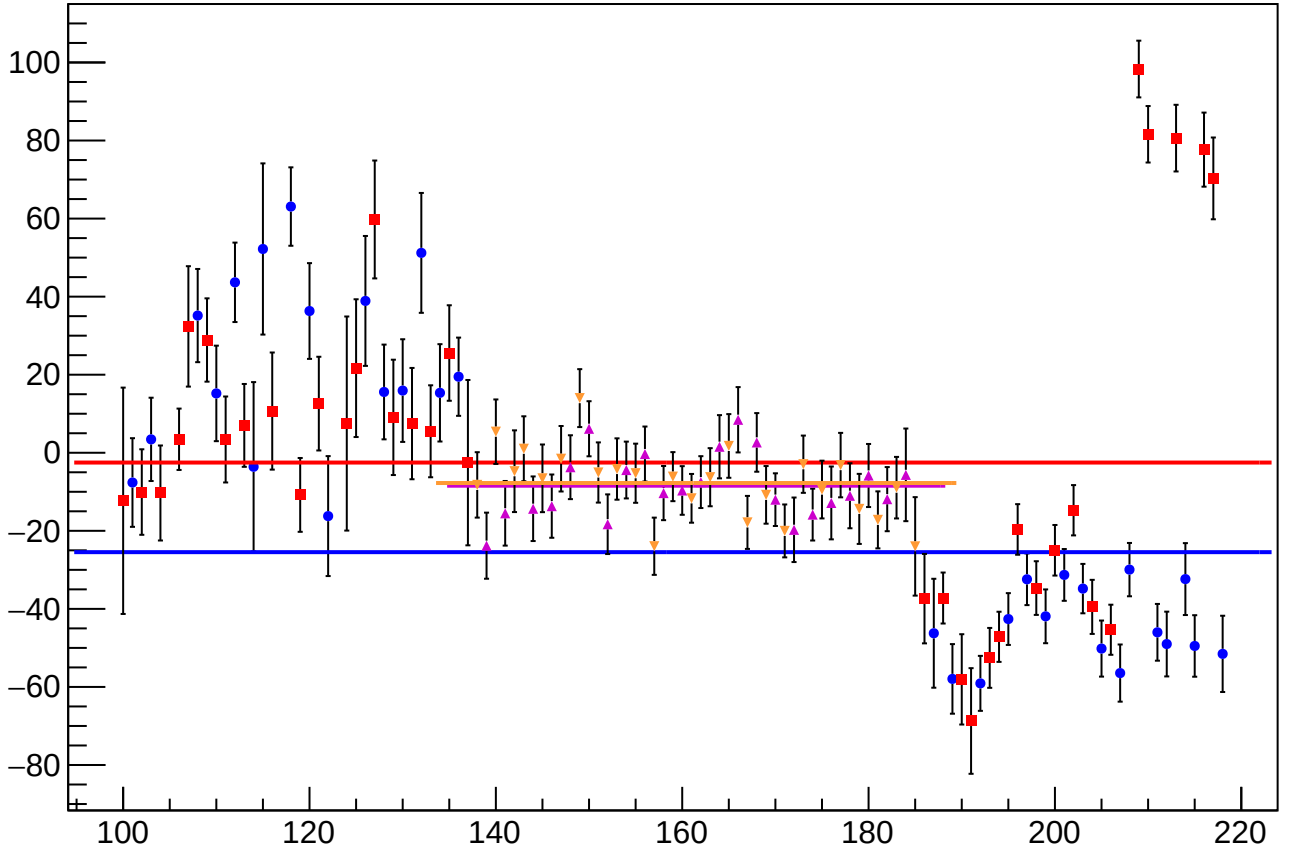
Right: 1251.585+/-0.156 χ^2/NDF: 15182102.6/67

In: 1284.086+/-0.157 χ^2/NDF:9517134.2/54

Out: 1250.629+/-0.148 χ^2/NDF:7302998.7/60

All: 1266.401+/-0.108 χ^2/NDF: 16844123.1/

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: -2.508+/-1.553 χ^2/NDF: 880.4/35

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

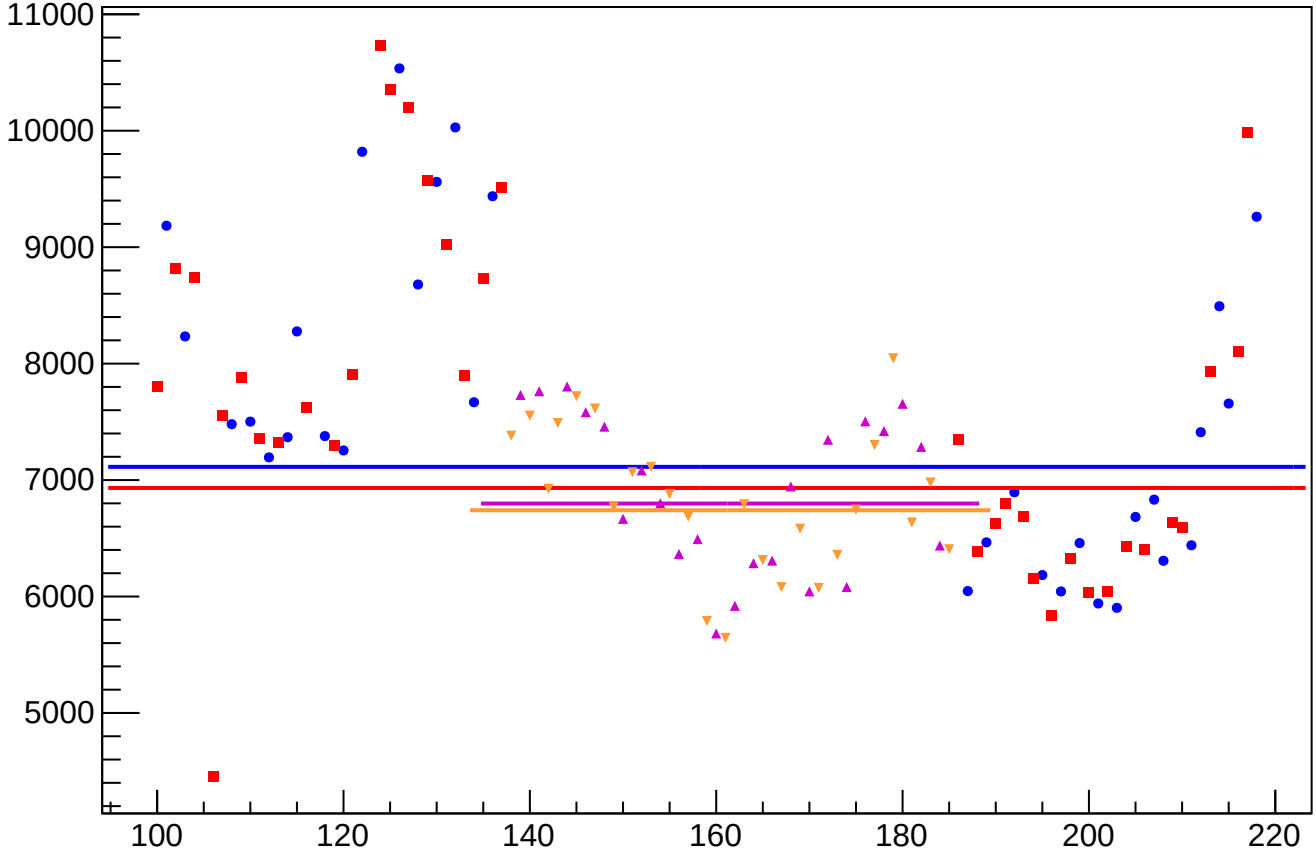
Right: -13.561+/-1.118 χ^2/NDF: 1405.3/67

In: -16.916+/-1.137 χ^2/NDF:500.5/54

Out: -5.140+/-1.096 χ^2/NDF:916.6/60

All: -10.810+/-0.789 χ^2/NDF: 1472.7/115

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: 6932.354+/-1.098 χ^2/NDF: 1207607.2/35

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

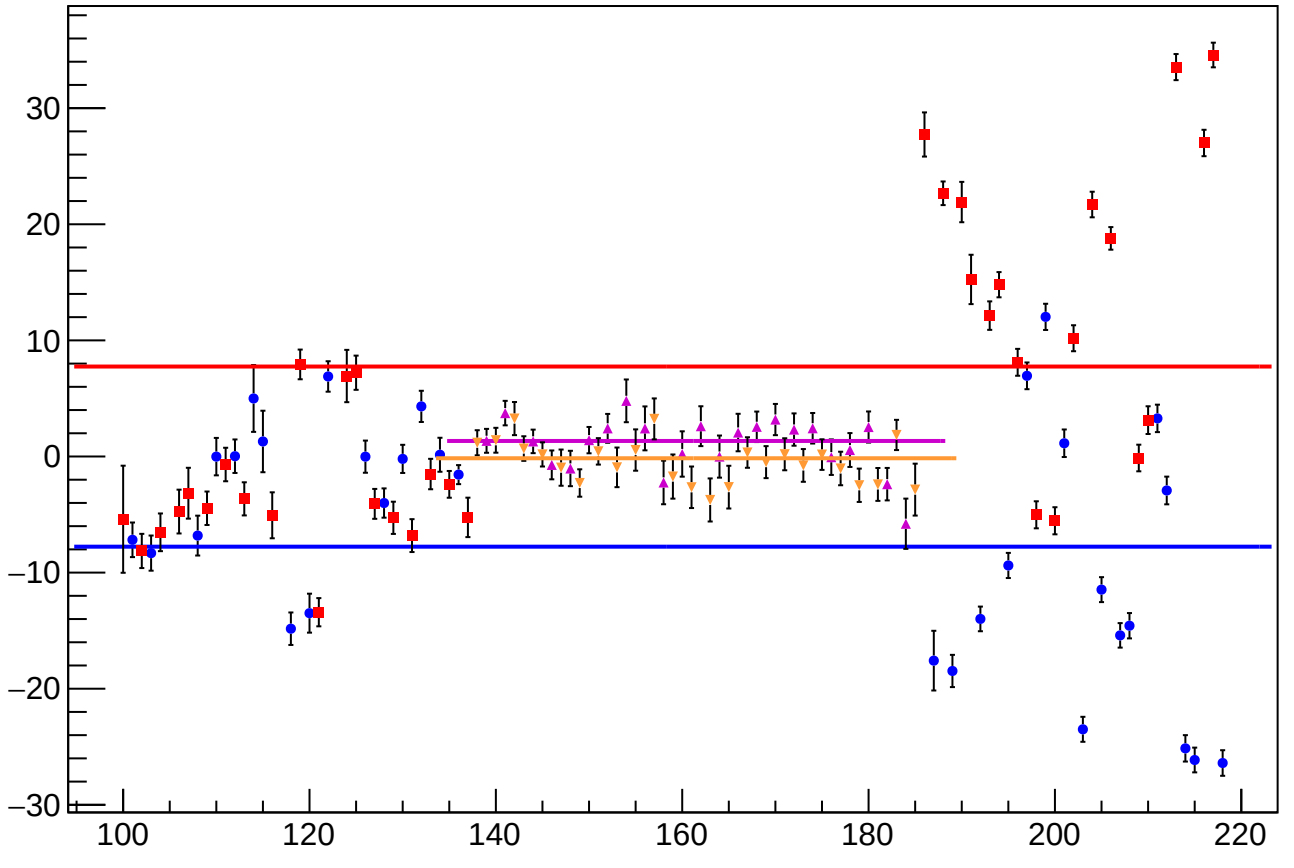
Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

Right: 7019.539+/-0.791 χ^2/NDF: 2231627.5/67

In: 6955.320+/-0.804 χ^2/NDF:1402554.3/54

Out: 6836.220+/-0.775 χ^2/NDF:1539589.1/60

All: 6893.568+/-0.558 χ^2/NDF: 2953520.6/11



Right In: -7.767+/-0.223 χ^2/NDF: 2368.4/31

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 7.747+/-0.221 χ^2/NDF: 3767.1/35

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

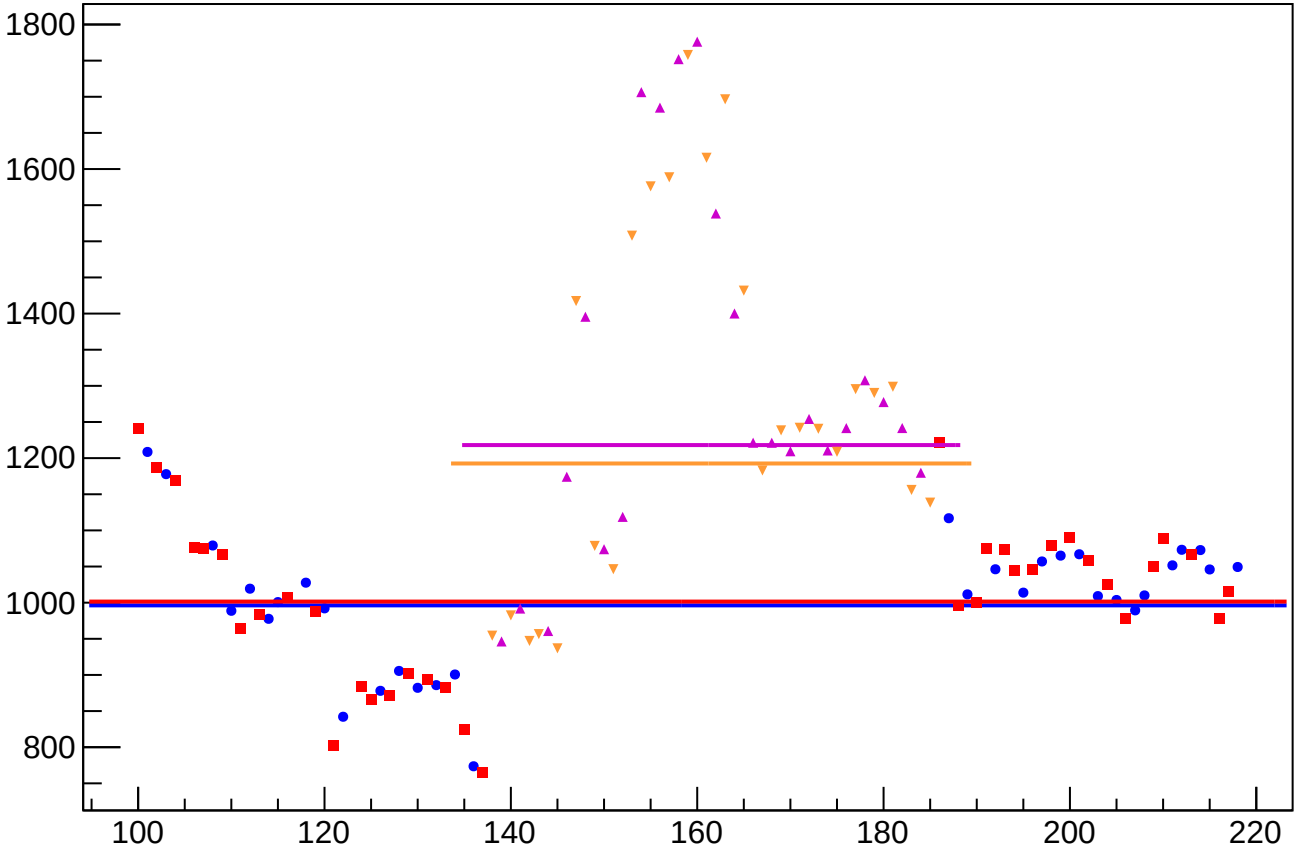
Right: 0.045+/-0.157 χ^2/NDF: 8579.9/67

In: -4.393+/-0.177 χ^2/NDF:3032.1/54

Out: 4.669+/-0.173 χ^2/NDF:4300.6/60

All: 0.239+/-0.124 χ^2/NDF: 8677.8/115

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: 1001.509+/-0.156 χ^2/NDF: 383476.6/35

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

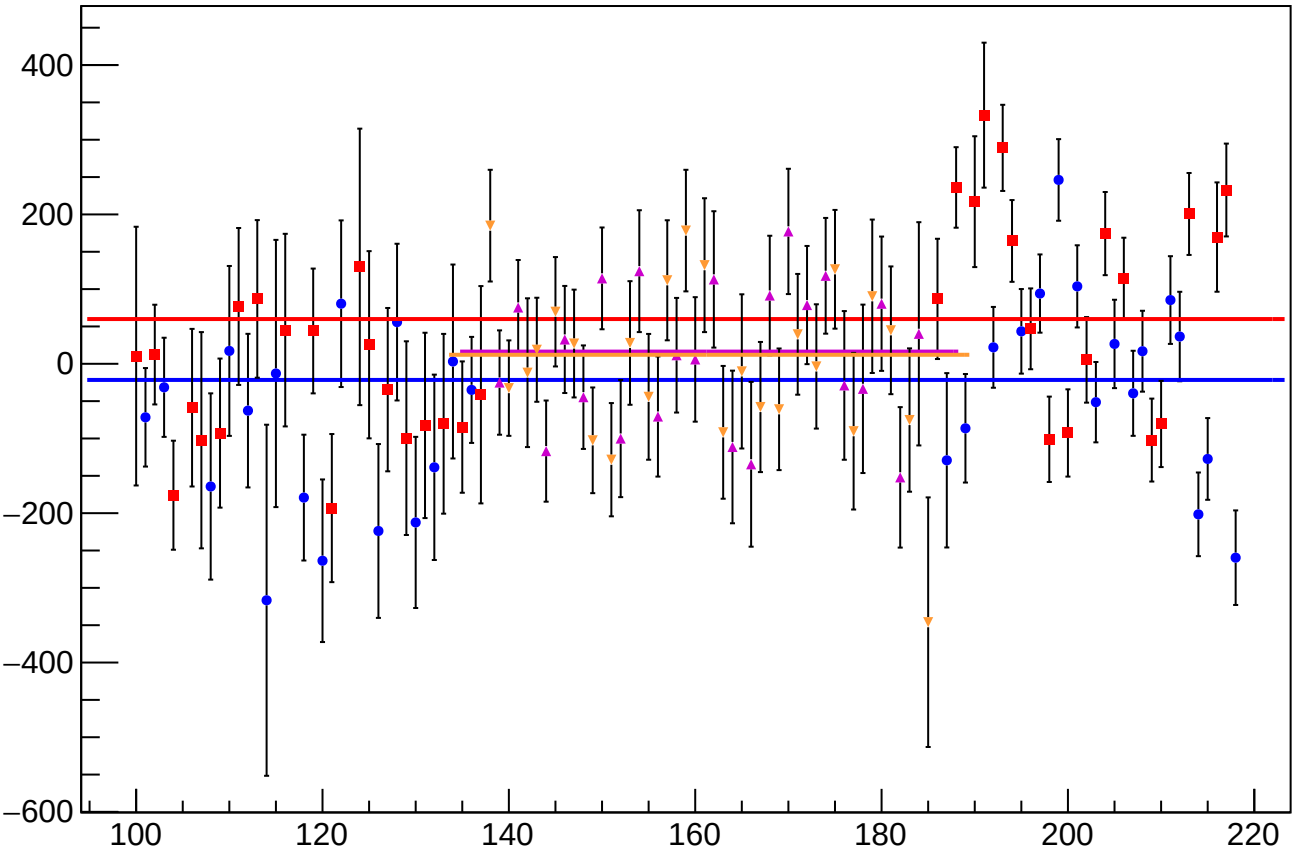
Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

Right: 998.902+/-0.111 χ^2/NDF: 760827.3/67

In: 1078.468+/-0.125 χ^2/NDF:2240190.0/54

Out: 1075.969+/-0.122 χ^2/NDF:2285663.5/60

All: 1077.190+/-0.087 χ^2/NDF: 4526058.2/11



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: 59.914+/-12.510 χ^2/NDF: 124.2/35

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

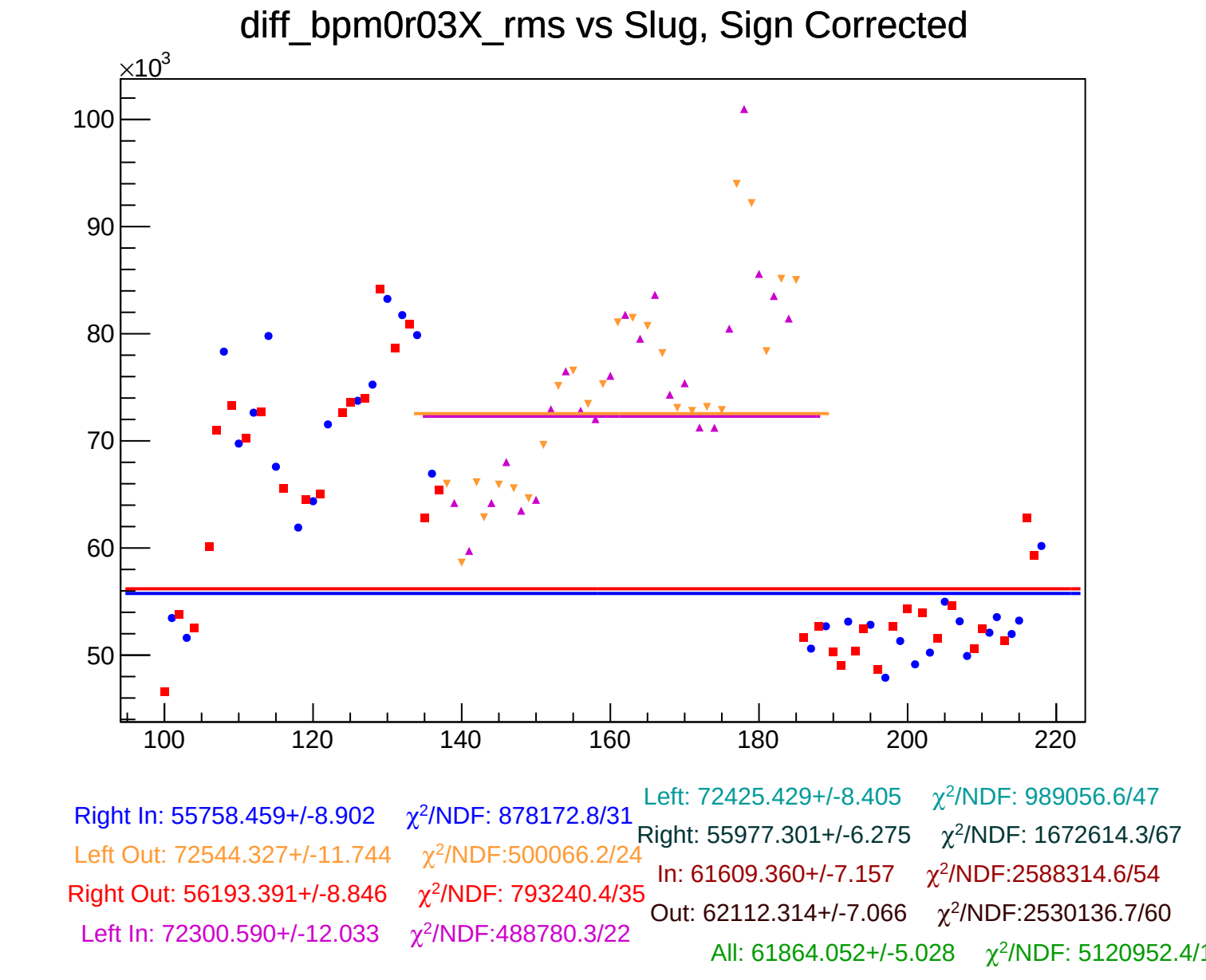
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 19.412+/-8.874 χ^2/NDF: 237.4/67

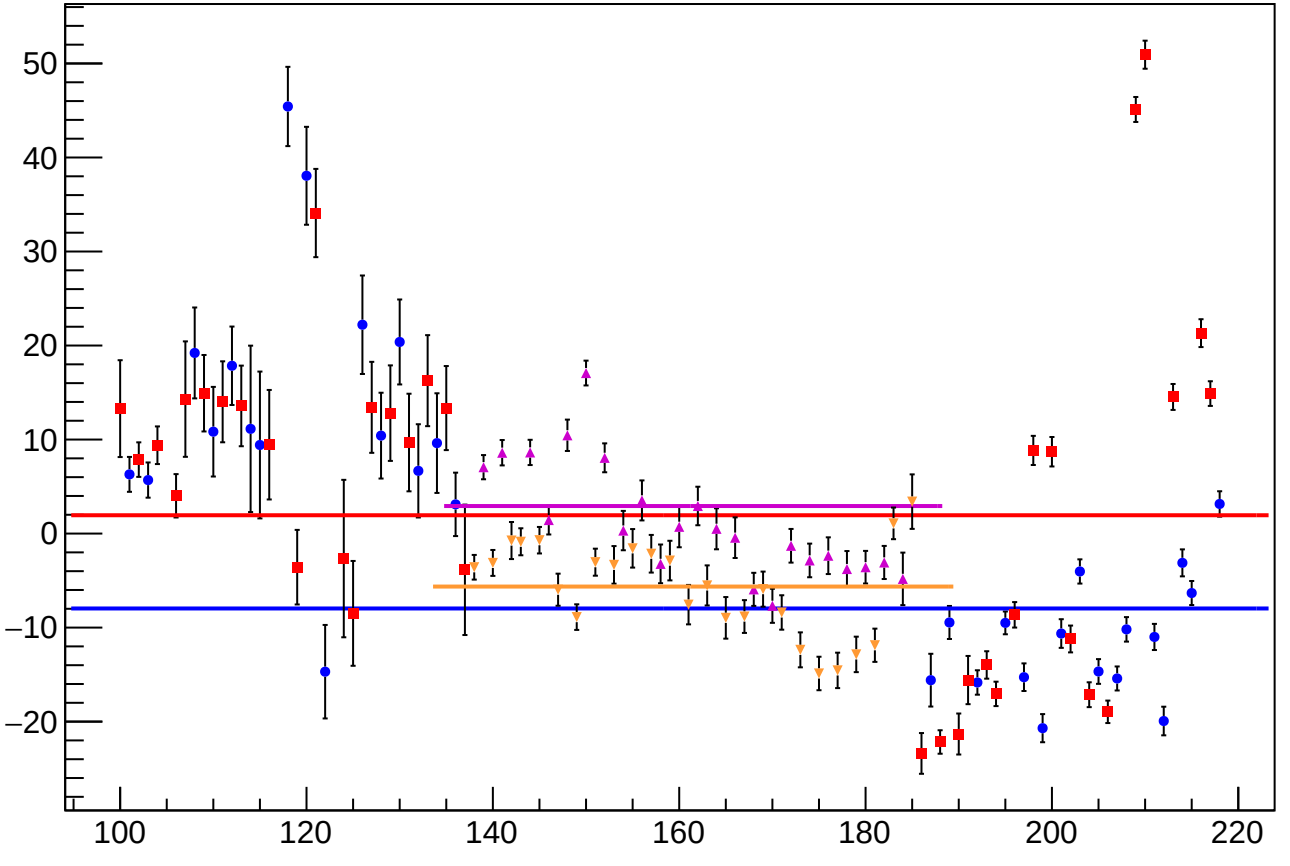
In: -8.185+/-10.121 χ^2/NDF:124.0/54

Out: 42.599+/-9.992 χ^2/NDF:162.3/60

All: 17.532+/-7.111 χ^2/NDF: 299.0/115


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: 56193.391+/-8.846 χ²/NDF: 793240.4/35
Left In: 72300.590+/-12.033 χ²/NDF:488780.3/22
Left: 72425.429+/-8.405 χ²/NDF: 989056.6/47
Right: 55977.301+/-6.275 χ²/NDF: 1672614.3/67
In: 61609.360+/-7.157 χ²/NDF:2588314.6/54
Out: 62112.314+/-7.066 χ²/NDF:2530136.7/60
All: 61864.052+/-5.028 χ²/NDF: 5120952.4/1

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: 1.949+/-0.327 χ^2/NDF: 4329.1/35

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

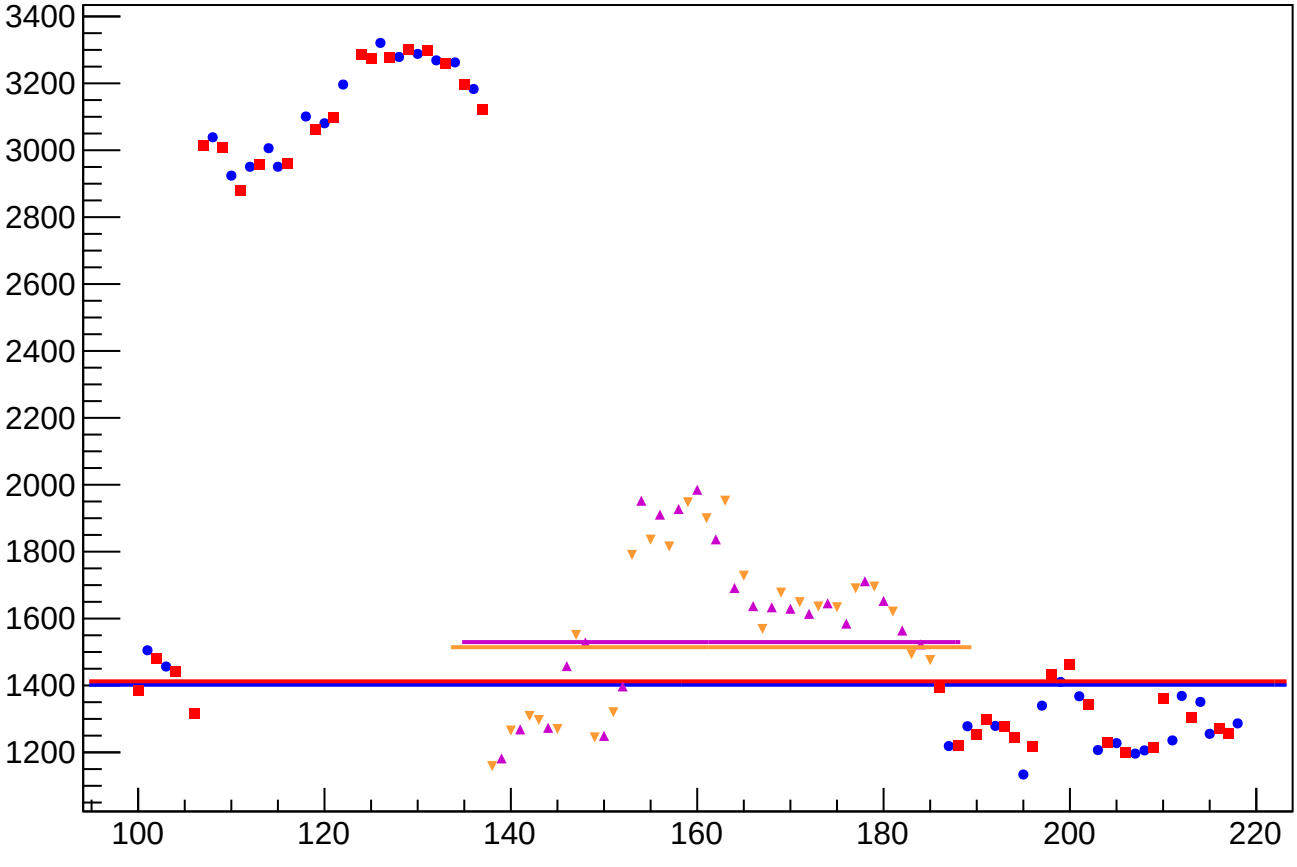
Right: -2.968+/-0.232 χ^2/NDF: 5719.6/67

In: -3.038+/-0.244 χ^2/NDF:1766.0/54

Out: -1.592+/-0.238 χ^2/NDF:4759.1/60

All: -2.299+/-0.170 χ^2/NDF: 6543.1/115

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: 1412.347+/-0.231 χ^2/NDF: 3947865.0/35

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

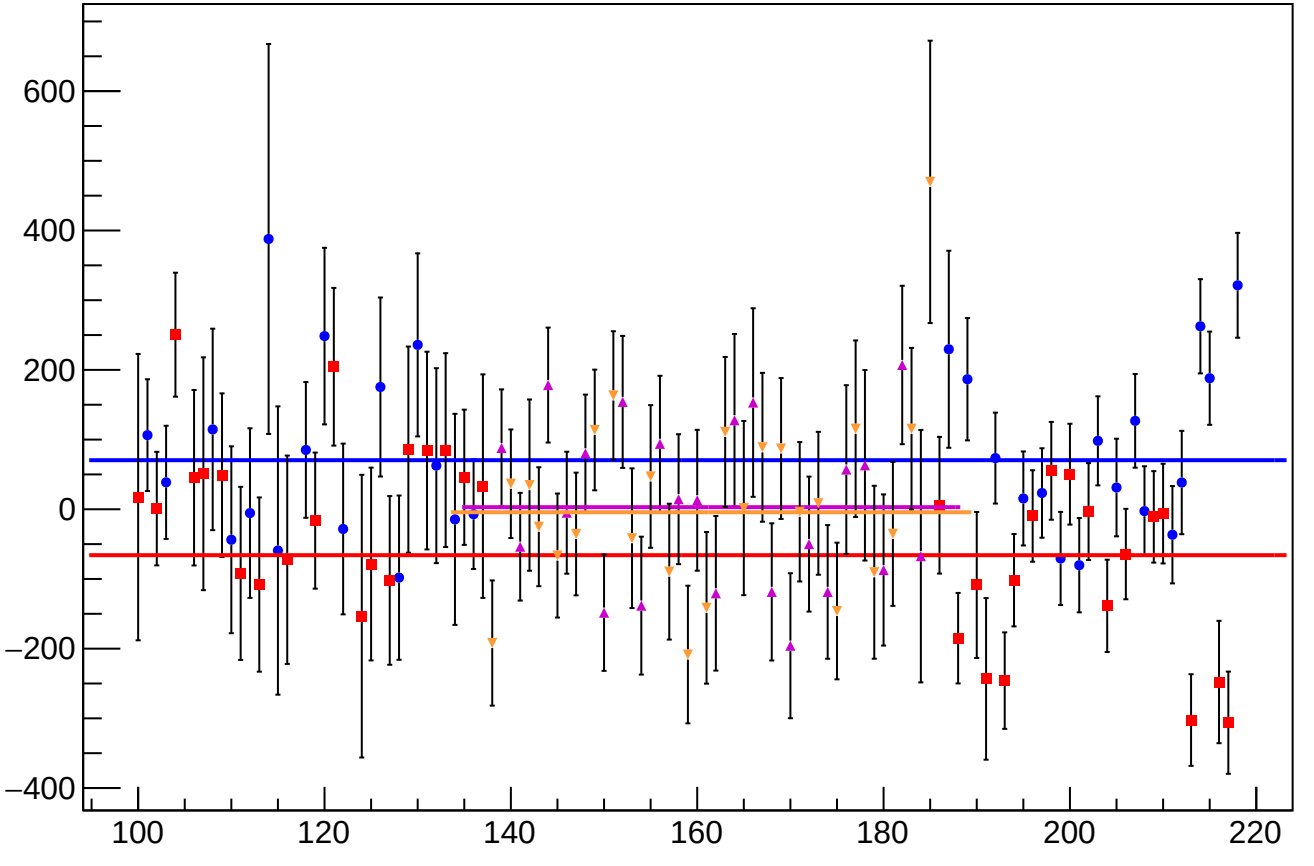
Right: 1407.303+/-0.164 χ^2/NDF: 8036319.4/67

In: 1459.838+/-0.172 χ^2/NDF:5051542.4/54

Out: 1459.958+/-0.169 χ^2/NDF:4972241.5/60

All: 1459.899+/-0.121 χ^2/NDF: 10023784.1/1

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: -65.847+/-14.937 χ^2/NDF: 78.3/35

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

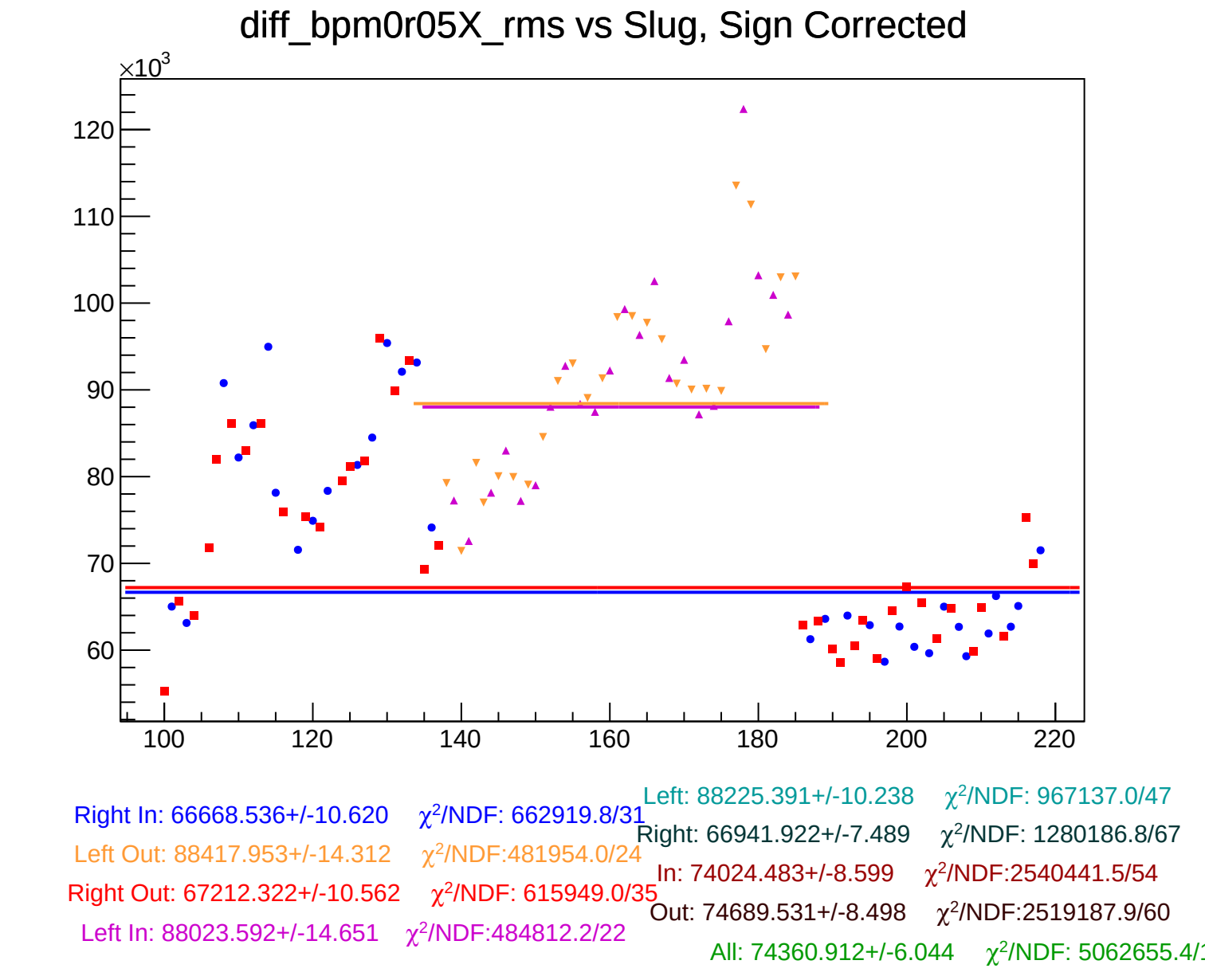
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 1.916+/-10.591 χ^2/NDF: 172.2/67

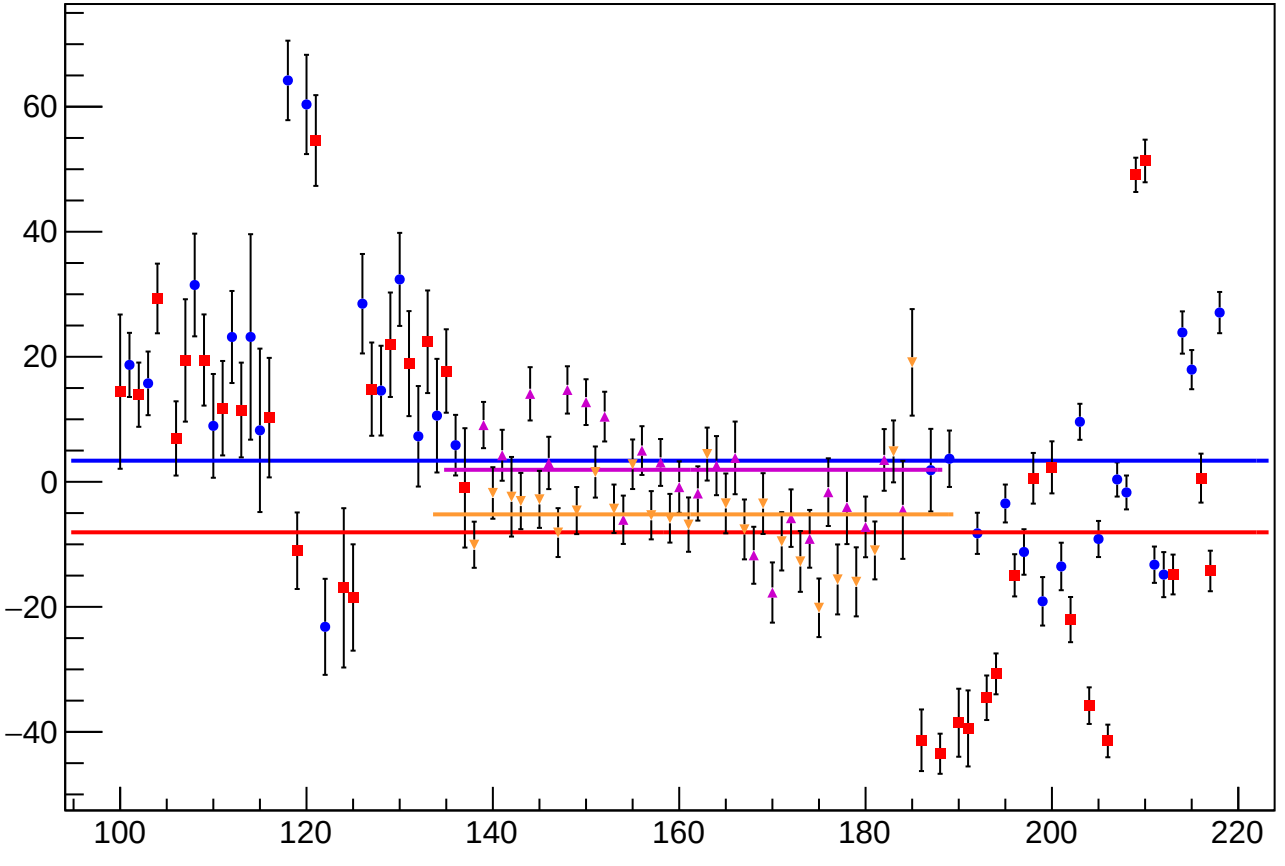
In: 47.207+/-12.161 χ^2/NDF:90.1/54

Out: -44.136+/-12.019 χ^2/NDF:114.8/60

All: 0.999+/-8.548 χ^2/NDF: 233.4/115


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: 67212.322+/-10.562 χ²/NDF: 615949.0/35
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 66941.922+/-7.489 χ²/NDF: 1280186.8/67
In: 74024.483+/-8.599 χ²/NDF:2540441.5/54
Out: 74689.531+/-8.498 χ²/NDF:2519187.9/60
All: 74360.912+/-6.044 χ²/NDF: 5062655.4/

diff_bpm0r05Y_mean vs Slug, Sign Corrected



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: -8.076+/-0.759 χ^2/NDF: 1614.5/35

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

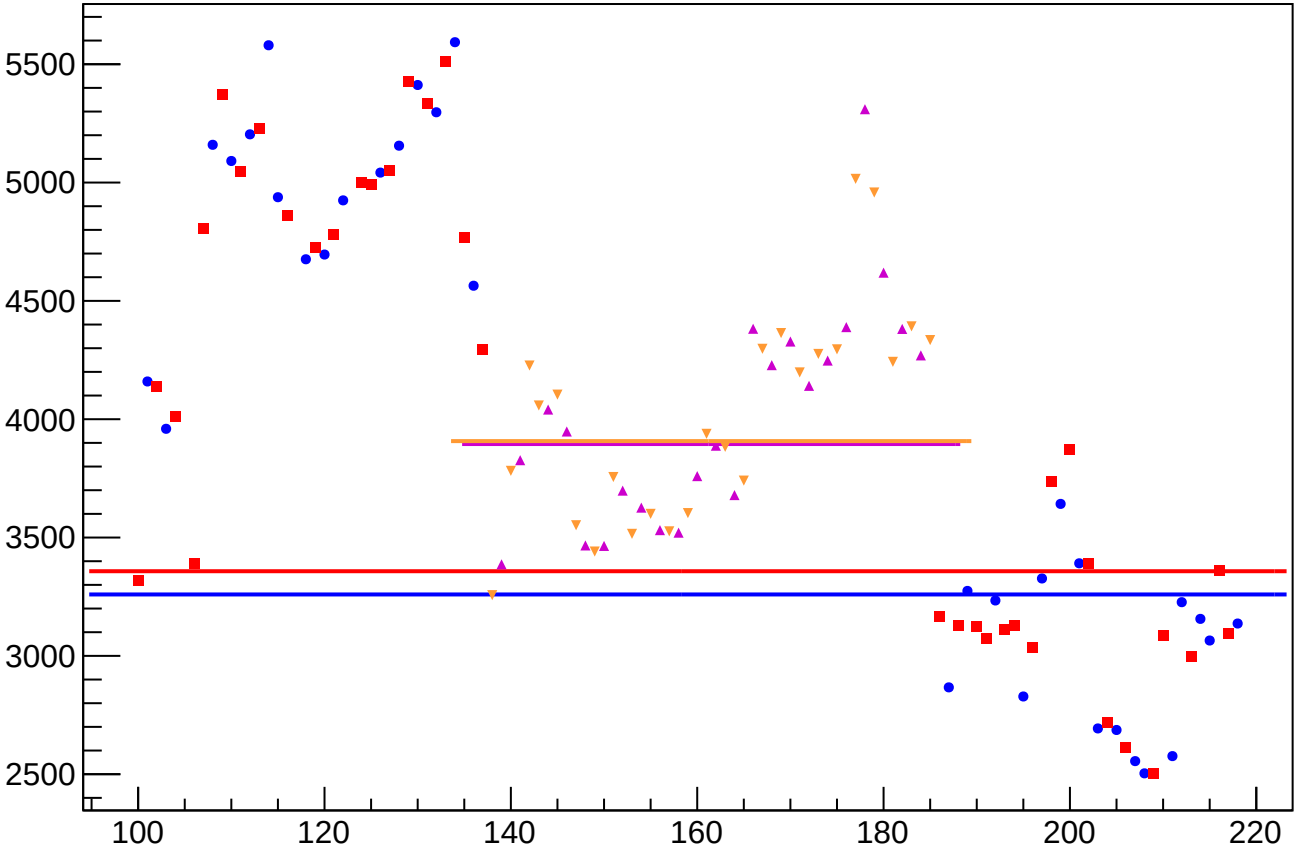
Right: -2.267+/-0.533 χ^2/NDF: 2233.3/67

In: 2.798+/-0.580 χ^2/NDF:588.0/54

Out: -6.874+/-0.578 χ^2/NDF:1671.5/60

All: -2.047+/-0.409 χ^2/NDF: 2399.0/115

diff_bpm0r05Y_rms vs Slug, Sign Corrected



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: 3357.688+/-0.537 χ^2/NDF: 2018093.3/35

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

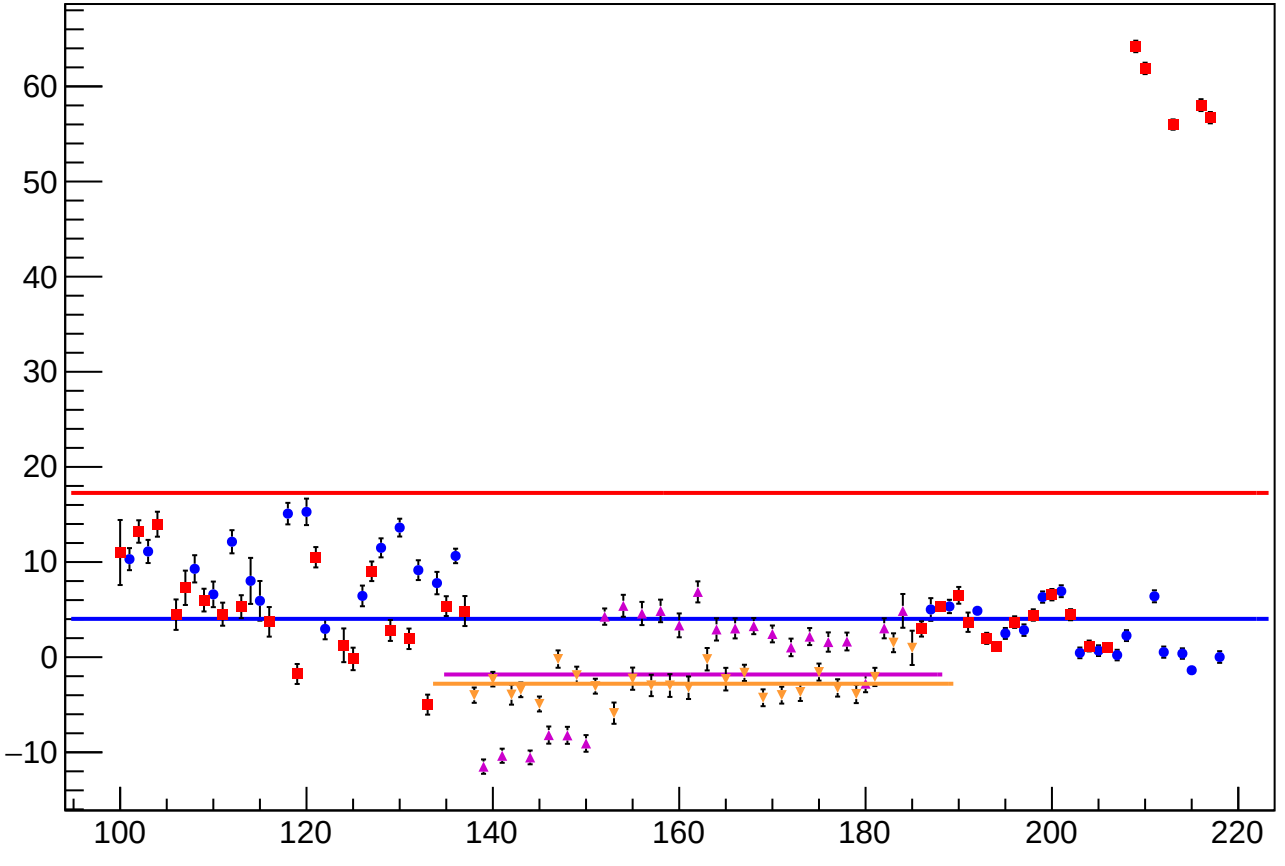
Right: 3307.911+/-0.377 χ^2/NDF: 4260094.1/67

In: 3513.774+/-0.410 χ^2/NDF:3212319.5/54

Out: 3587.956+/-0.409 χ^2/NDF:2899015.7/60

All: 3550.932+/-0.289 χ^2/NDF: 6127750.2/11

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: 17.266+/-0.131 χ^2/NDF: 33860.8/35

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

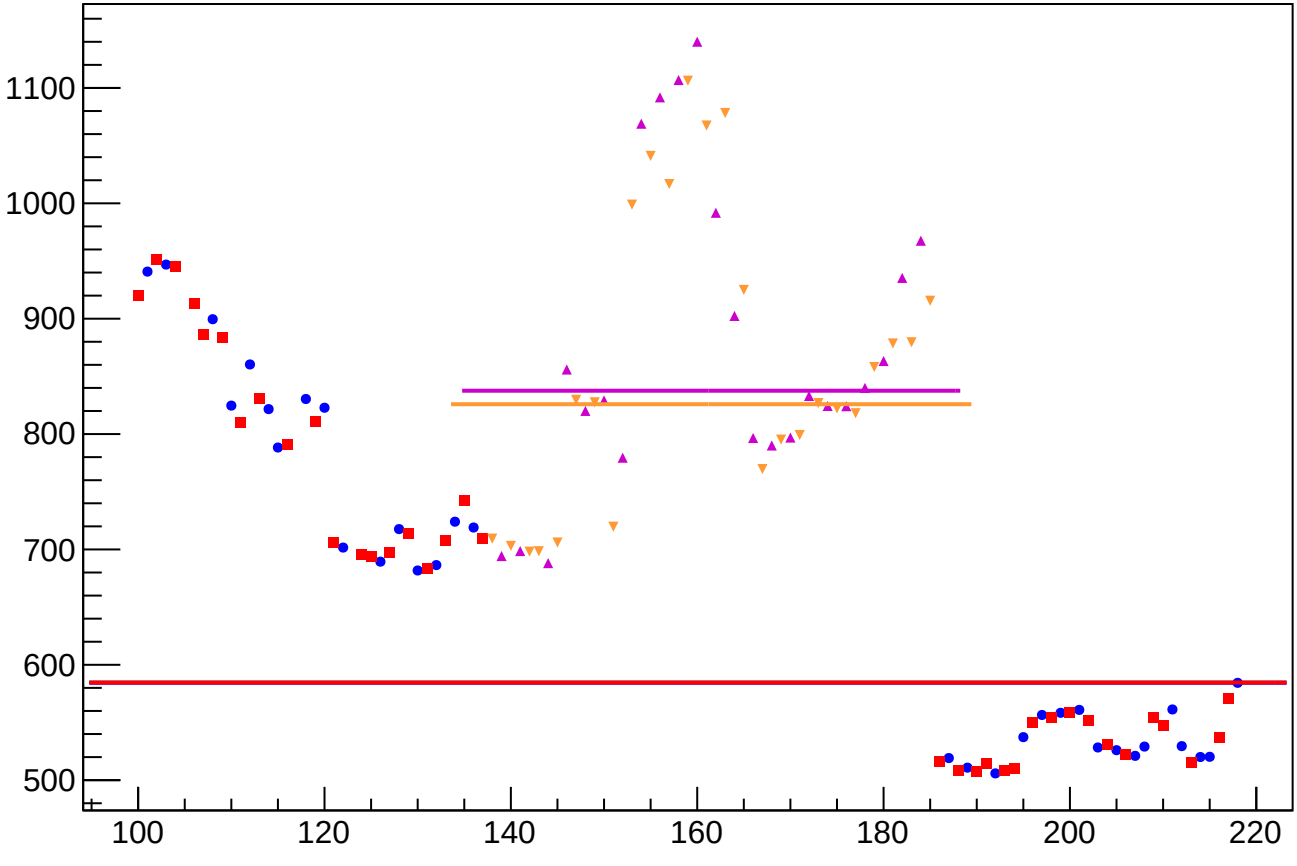
Right: 10.722+/-0.093 χ^2/NDF: 39928.5/67

In: 2.227+/-0.110 χ^2/NDF:2620.4/54

Out: 10.830+/-0.108 χ^2/NDF:41492.9/60

All: 6.618+/-0.077 χ^2/NDF: 47238.4/115

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: 584.650+/-0.092 χ^2/NDF: 1398069.0/35

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

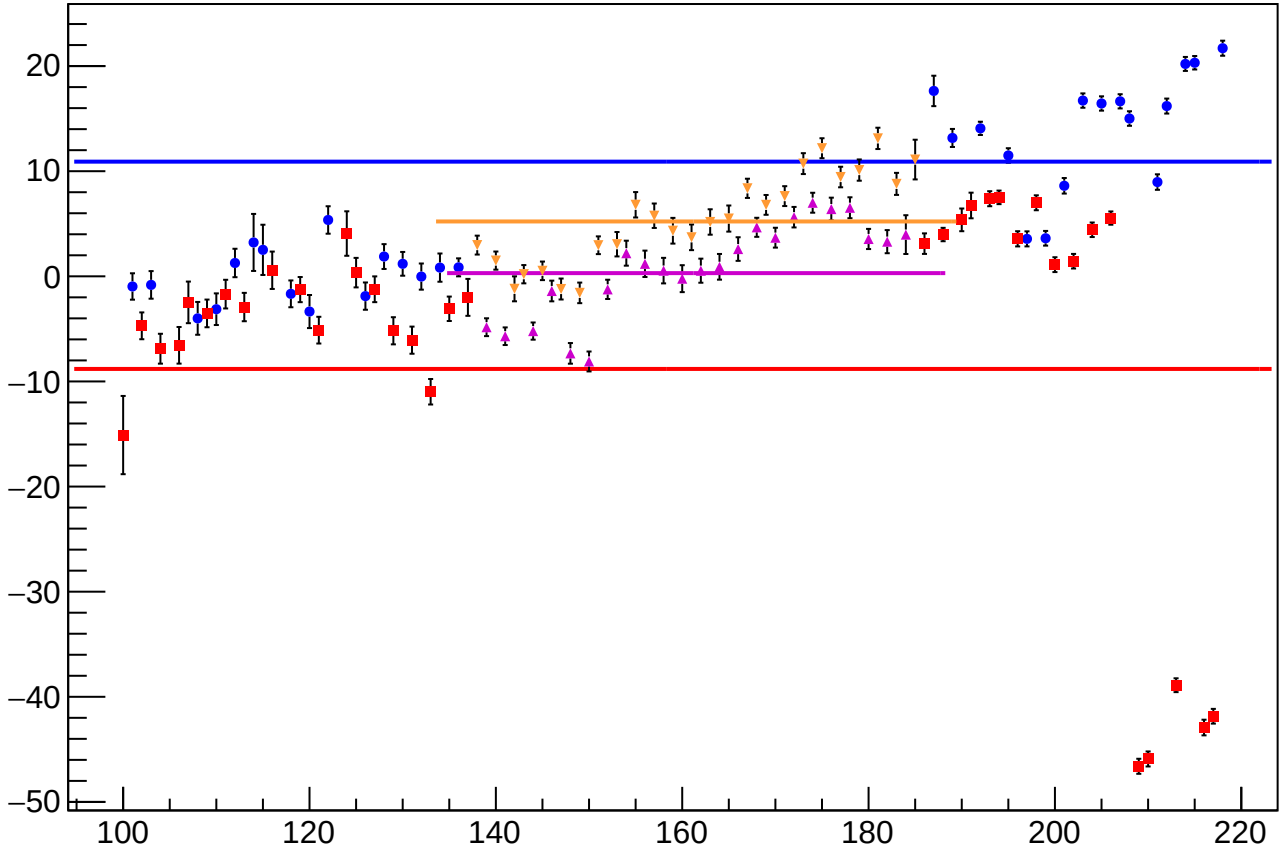
Right: 584.567+/-0.066 χ^2/NDF: 2689913.3/67

In: 662.382+/-0.078 χ^2/NDF:4264056.9/54

Out: 662.057+/-0.076 χ^2/NDF:4350976.7/60

All: 662.216+/-0.054 χ^2/NDF: 8615042.6/115

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: -8.810+/-0.155 χ^2/NDF: 16374.1/35

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

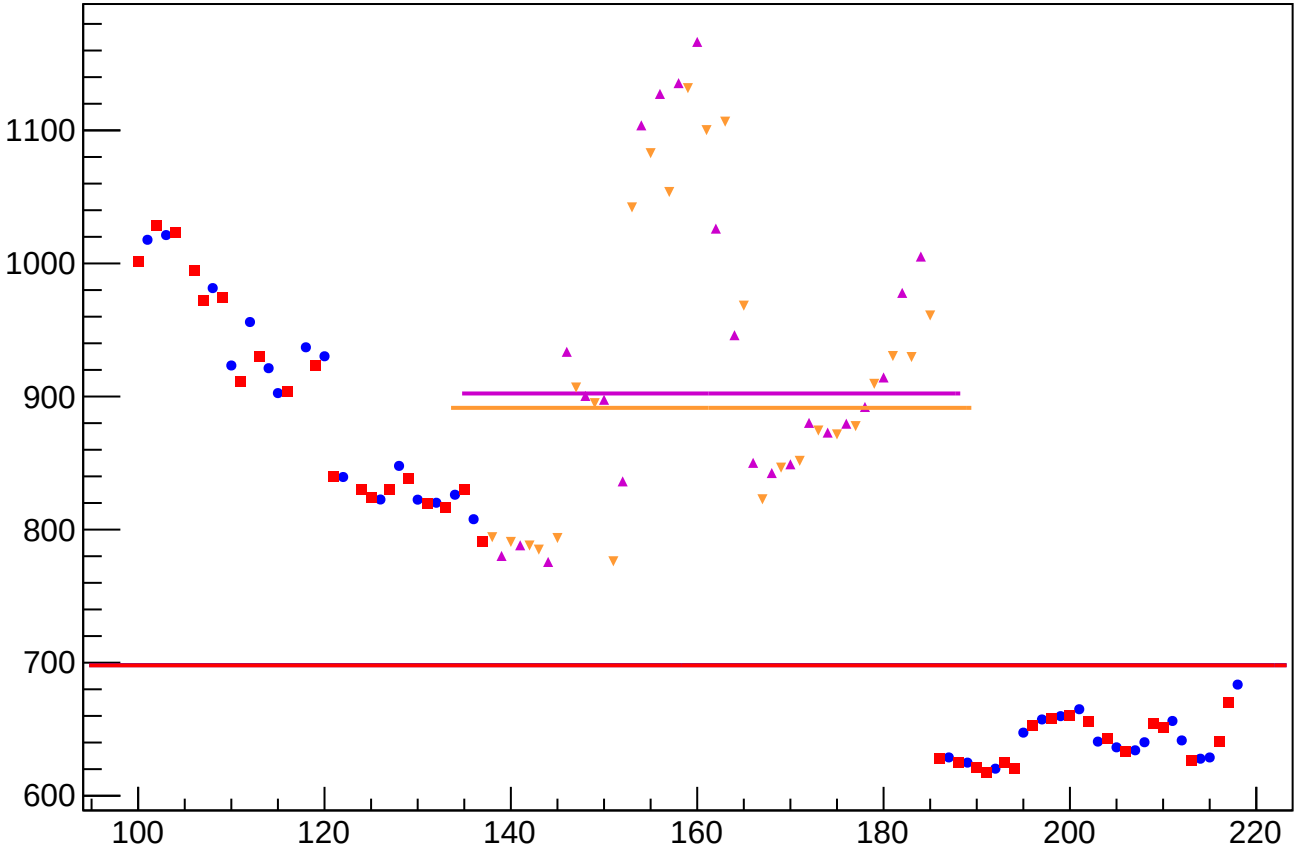
Right: 0.930+/-0.110 χ^2/NDF: 26677.7/67

In: 7.162+/-0.126 χ^2/NDF:4442.6/54

Out: -3.675+/-0.124 χ^2/NDF:19811.5/60

All: 1.624+/-0.088 χ^2/NDF: 28010.2/115

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: 698.012+/-0.110 χ^2/NDF: 1028257.9/35

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

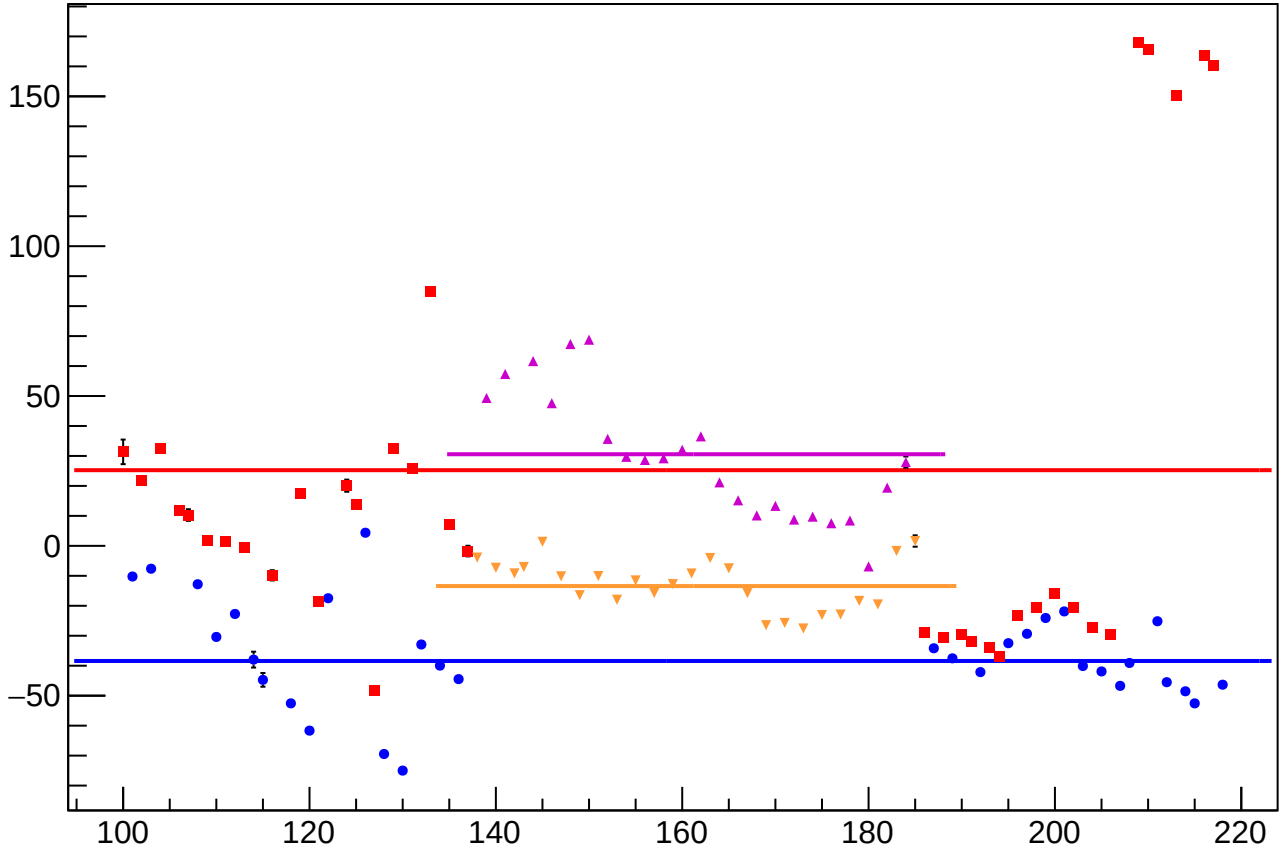
Right: 698.079+/-0.078 χ^2/NDF: 1977854.2/67

In: 770.271+/-0.089 χ^2/NDF:2626434.4/54

Out: 768.836+/-0.087 χ^2/NDF:2682418.6/60

All: 769.538+/-0.063 χ^2/NDF: 5308984.8/115

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: 25.251+/-0.153 χ^2/NDF: 255256.7/35

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

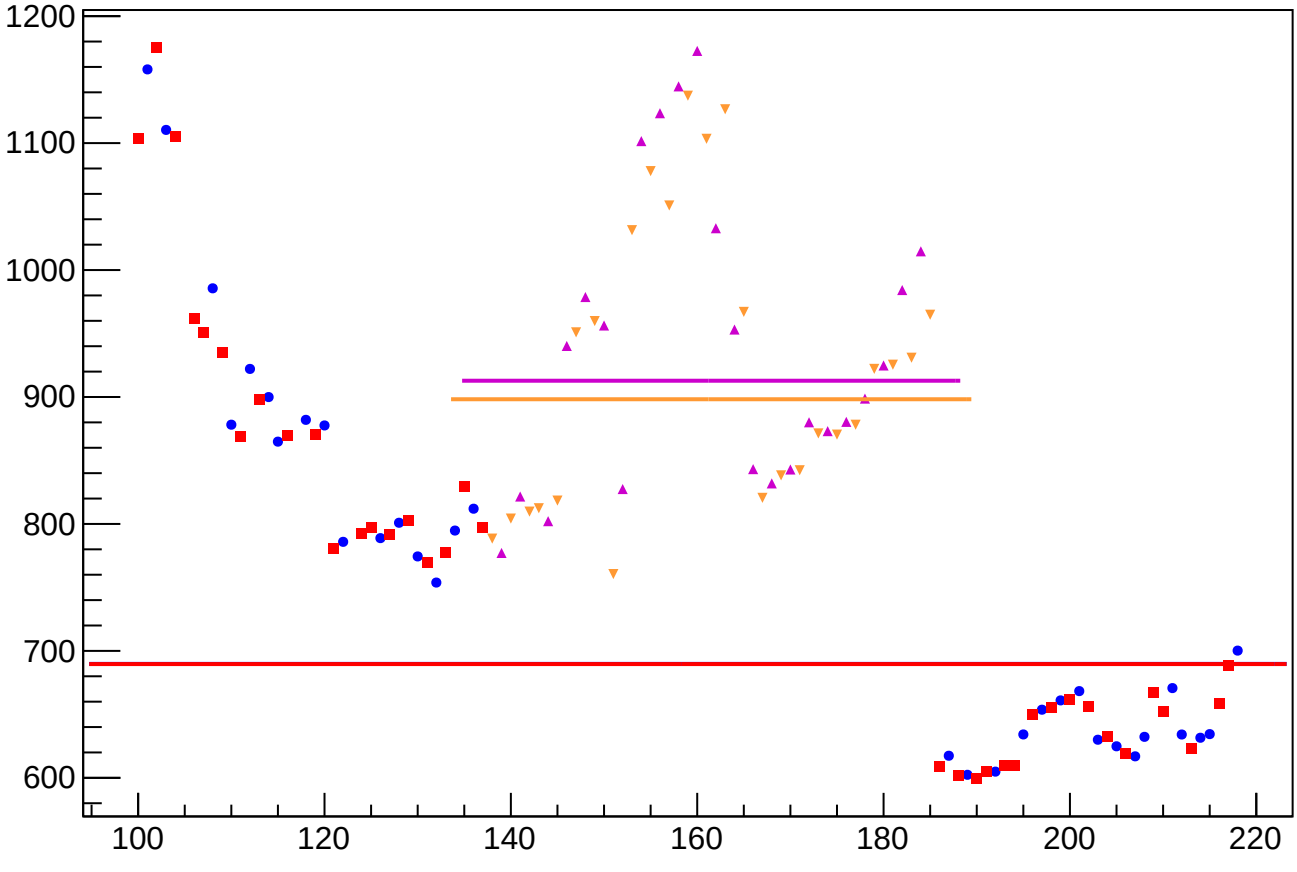
Right: -6.197+/-0.109 χ^2/NDF: 348109.8/67

In: -14.783+/-0.126 χ^2/NDF:85794.3/54

Out: 11.446+/-0.123 χ^2/NDF:279590.6/60

All: -1.364+/-0.088 χ^2/NDF: 387574.0/115

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: 689.619+/-0.109 χ^2/NDF: 1063050.8/35

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

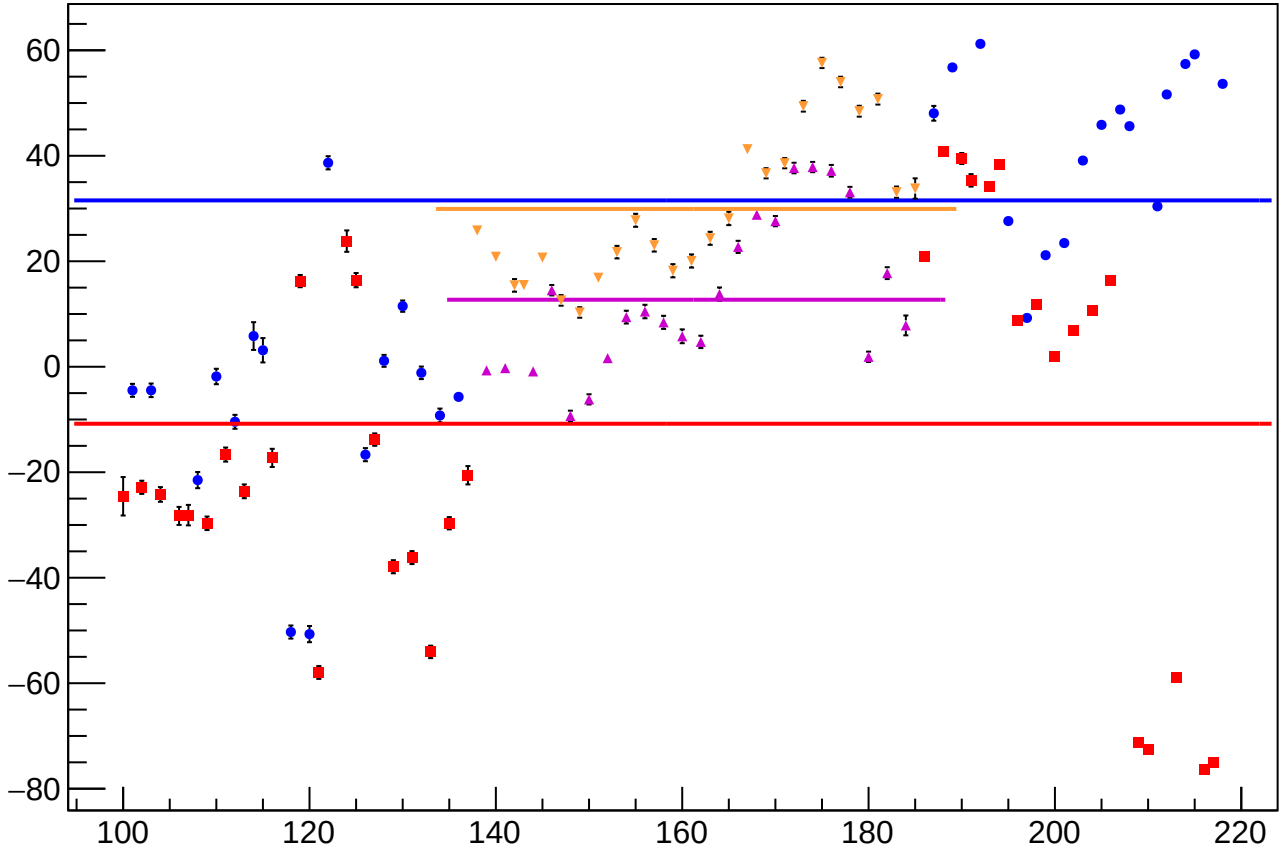
Right: 689.684+/-0.077 χ^2/NDF: 2052660.9/67

In: 766.173+/-0.089 χ^2/NDF:2882650.9/54

Out: 764.091+/-0.087 χ^2/NDF:2900796.9/60

All: 765.108+/-0.062 χ^2/NDF: 5783727.4/115

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: -10.805+/-0.151 χ^2/NDF: 72099.9/35

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

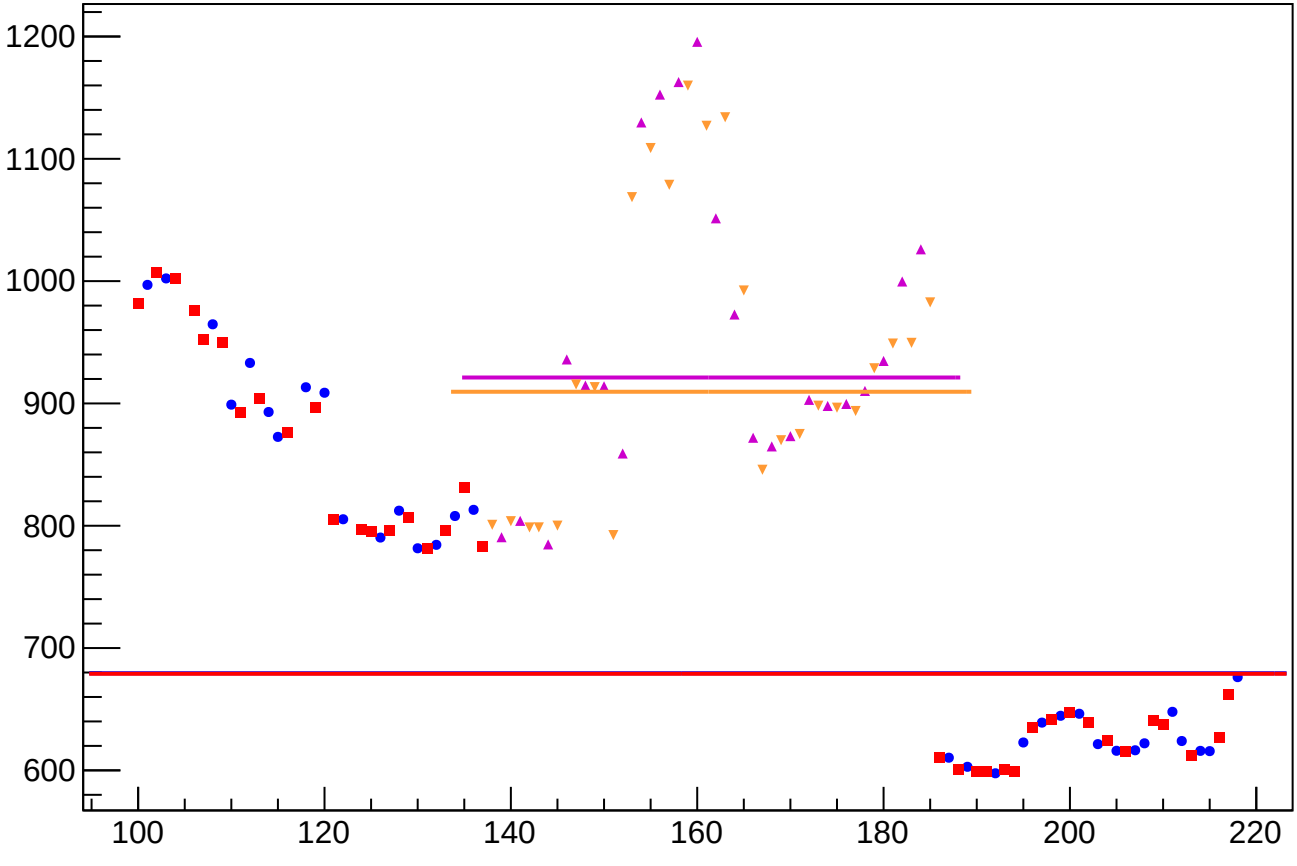
Right: 10.101+/-0.107 χ^2/NDF: 140835.3/67

In: 25.294+/-0.125 χ^2/NDF:39751.7/54

Out: 3.207+/-0.122 χ^2/NDF:101693.9/60

All: 14.009+/-0.087 χ^2/NDF: 157386.4/115

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: 678.969+/-0.107 χ^2/NDF: 1043112.9/35

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

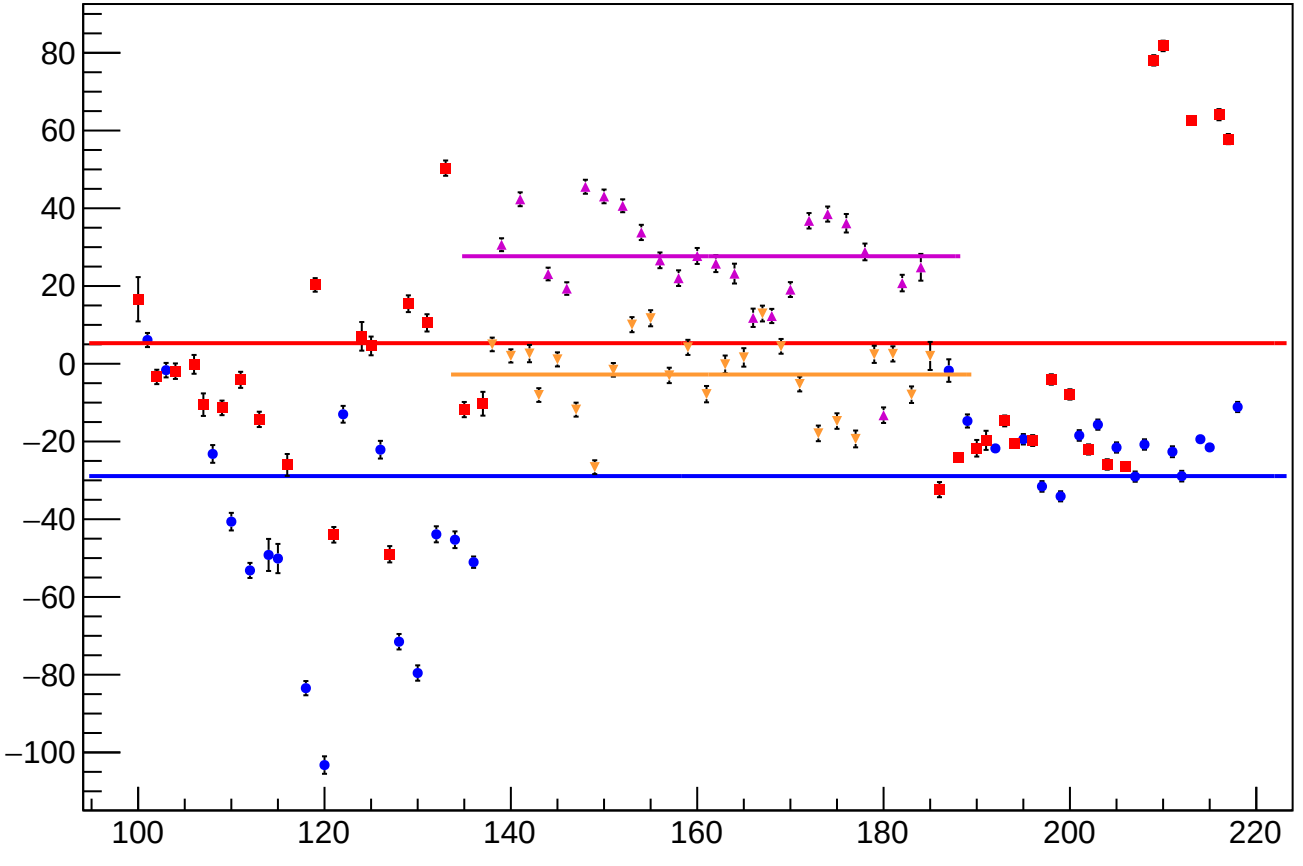
Right: 679.182+/-0.076 χ^2/NDF: 2008947.7/67

In: 759.594+/-0.088 χ^2/NDF:3120862.0/54

Out: 758.302+/-0.087 χ^2/NDF:3188436.8/60

All: 758.934+/-0.062 χ^2/NDF: 6309407.7/115

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: 5.295+/-0.283 χ^2/NDF: 17732.5/35

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

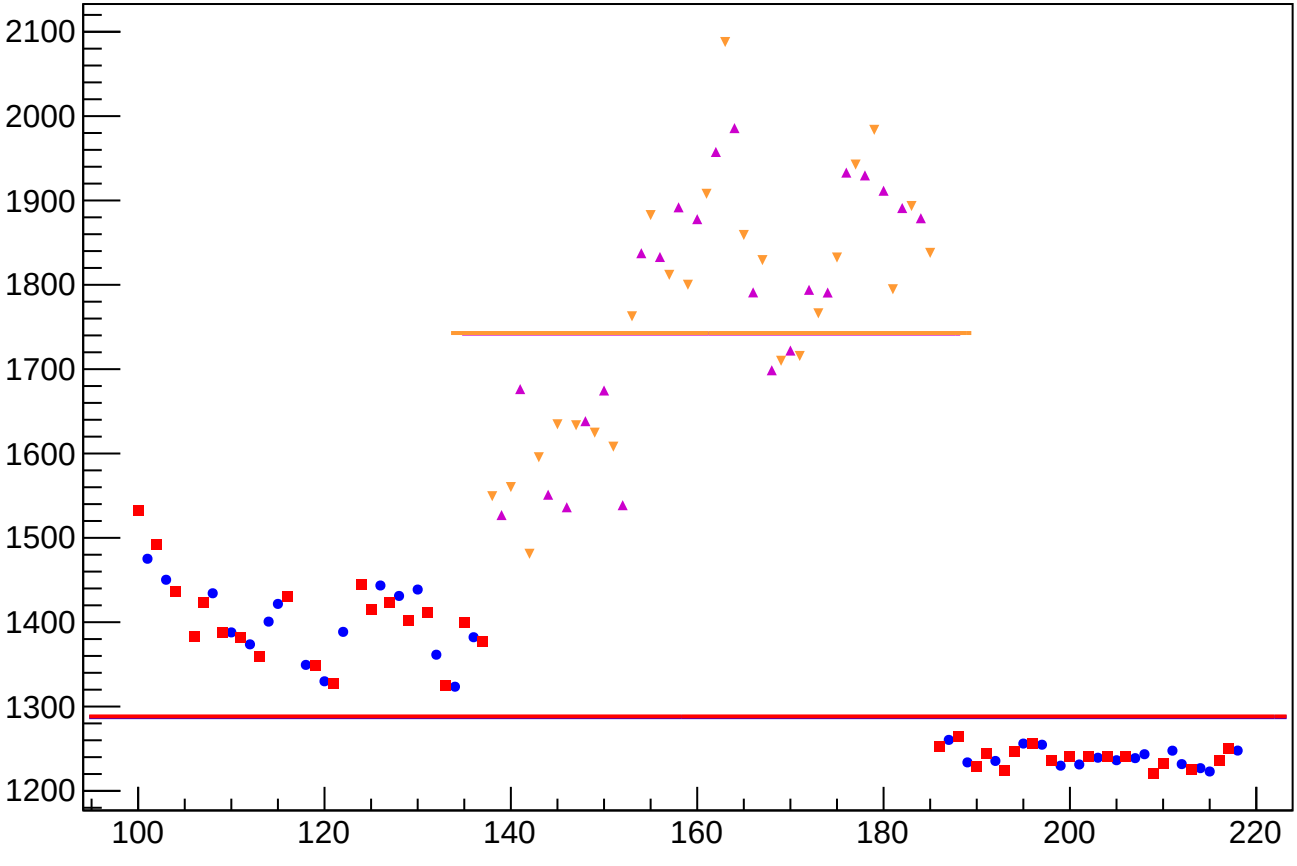
Right: -11.603+/-0.202 χ^2/NDF: 30026.4/67

In: -10.237+/-0.235 χ^2/NDF:18926.4/54

Out: 2.576+/-0.231 χ^2/NDF:18621.4/60

All: -3.721+/-0.165 χ^2/NDF: 39062.3/115

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: 1288.260+/-0.200 χ^2/NDF: 147231.2/35

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

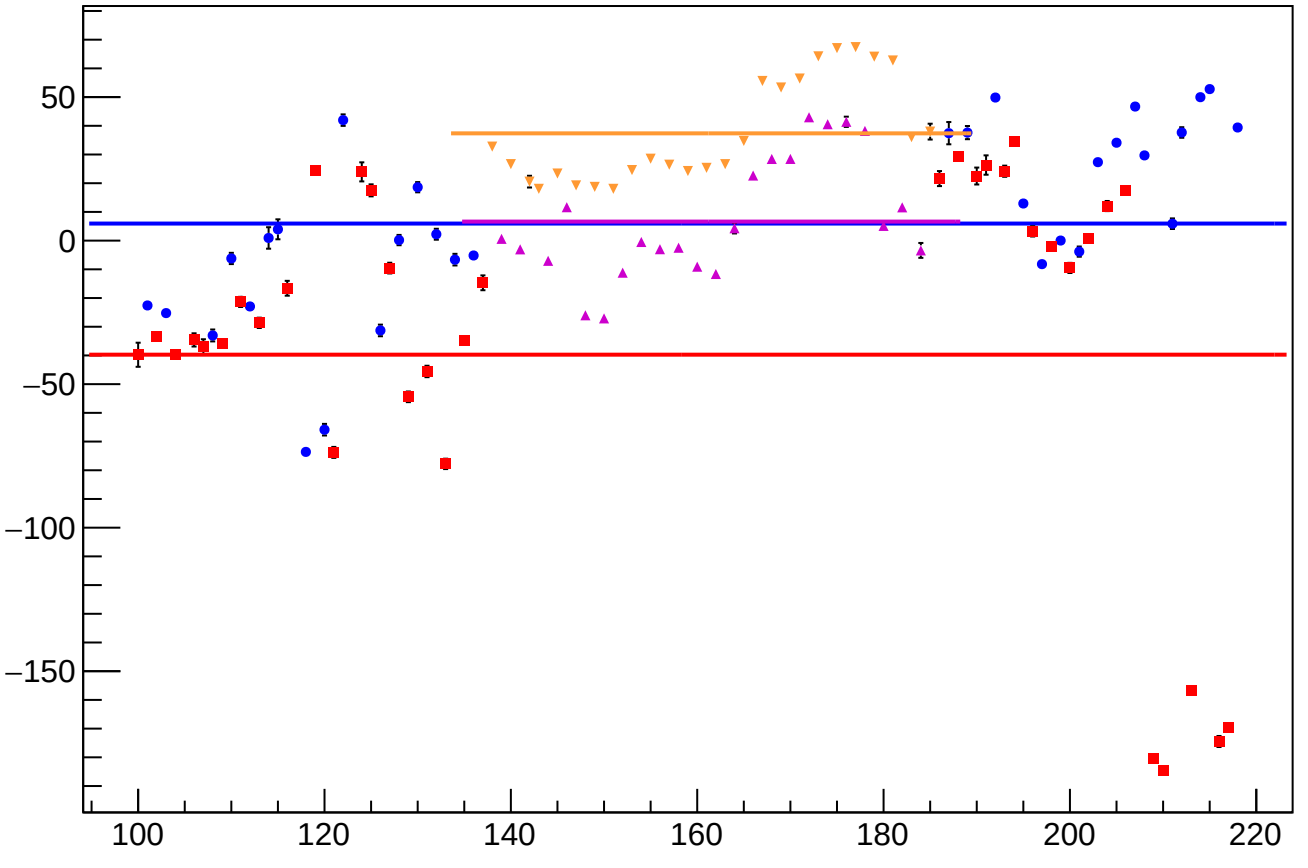
Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

Right: 1287.858+/-0.143 χ^2/NDF: 296507.0/67

In: 1437.485+/-0.166 χ^2/NDF:2069406.8/54

Out: 1441.567+/-0.163 χ^2/NDF:2144662.1/60

All: 1439.561+/-0.116 χ^2/NDF: 4214376.5/11



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: -39.732+/-0.316 χ^2/NDF: 44048.2/35

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

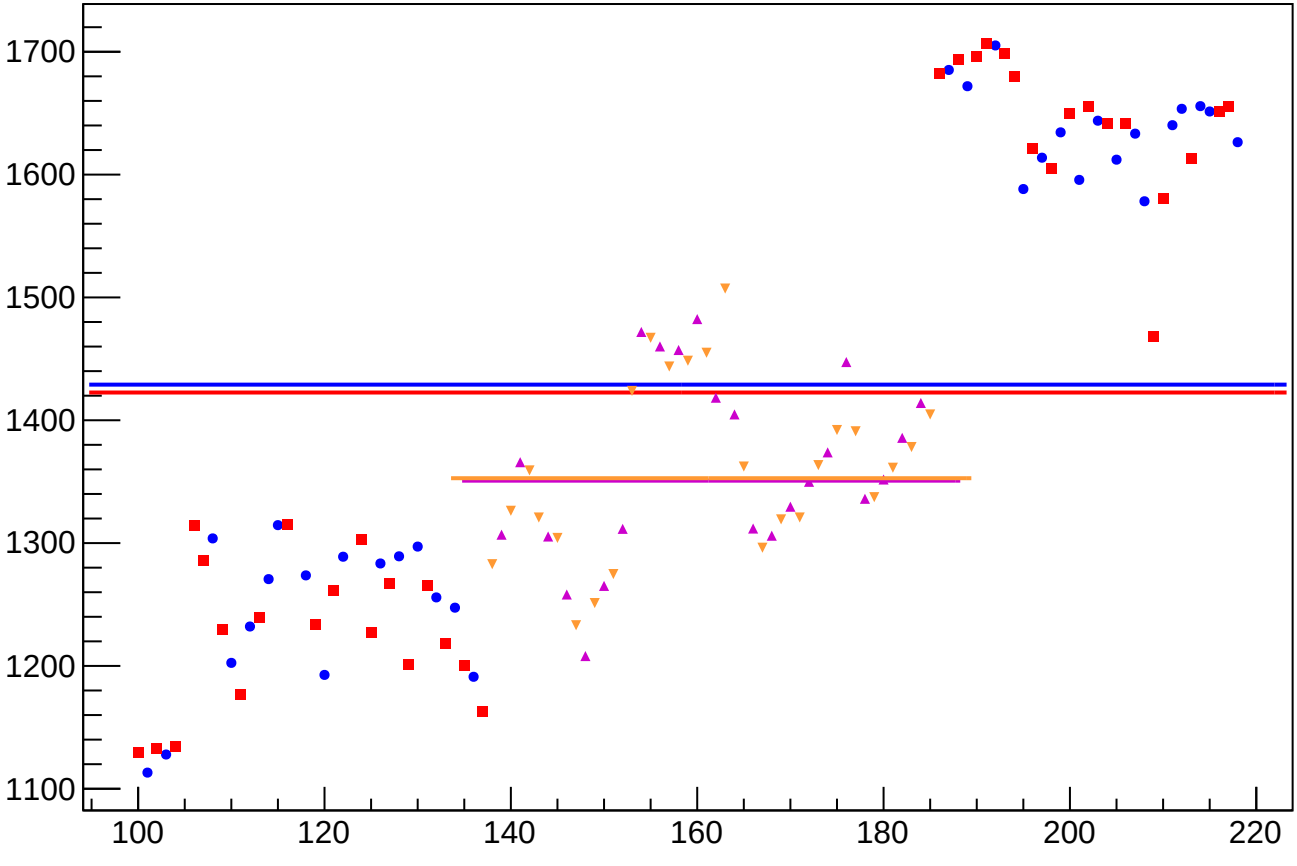
Right: -17.267+/-0.225 χ^2/NDF: 64359.1/67

In: 6.294+/-0.225 χ^2/NDF:14456.6/54

Out: -0.159+/-0.221 χ^2/NDF:77971.7/60

All: 2.998+/-0.158 χ^2/NDF: 92847.0/115

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: 1422.590+/-0.224 χ^2/NDF: 933879.8/35

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

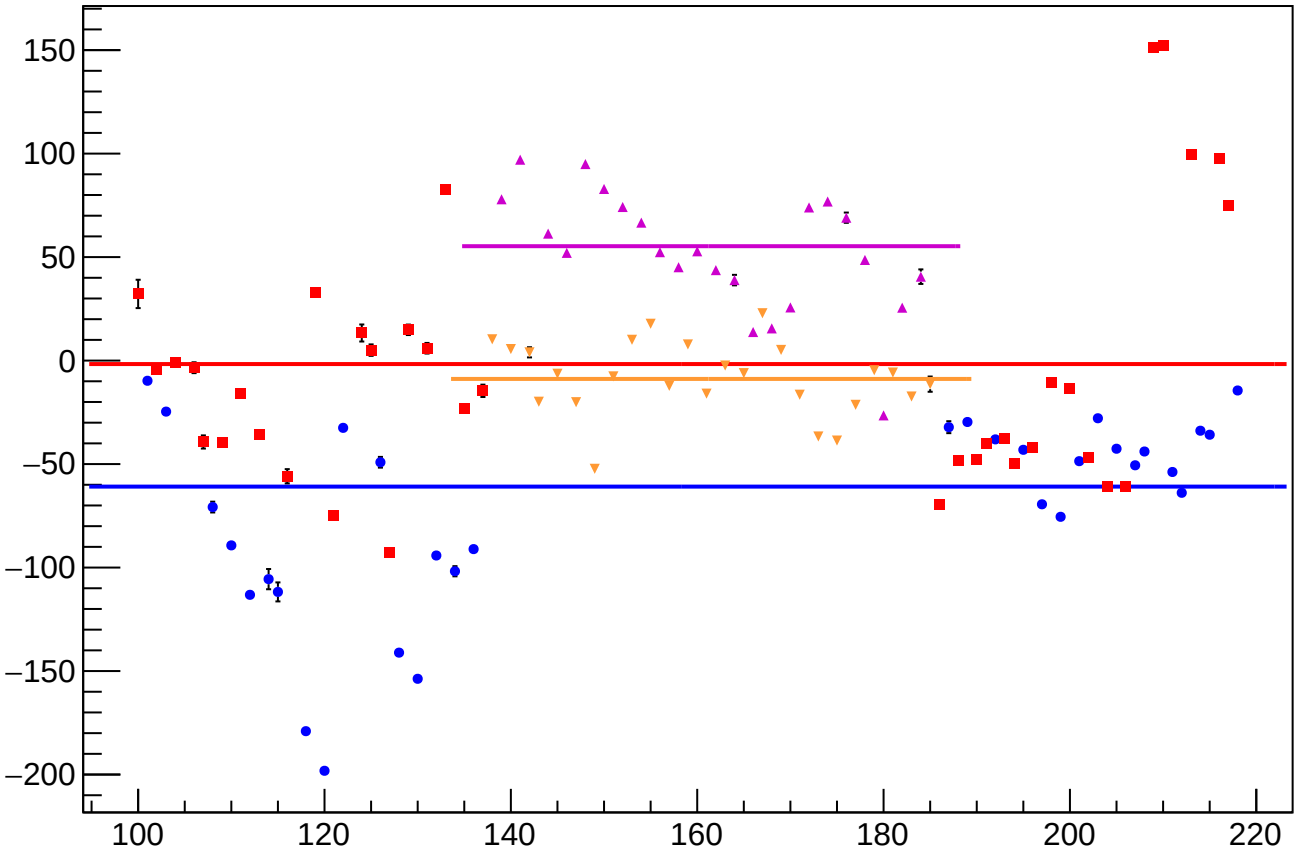
Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

Right: 1425.746+/-0.159 χ^2/NDF: 1796156.3/67

In: 1389.272+/-0.159 χ^2/NDF:1030654.4/54

Out: 1386.780+/-0.156 χ^2/NDF:1088721.7/60

All: 1387.999+/-0.111 χ^2/NDF: 2119501.0/11



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: -1.678+/-0.317 χ^2/NDF: 44779.9/35

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

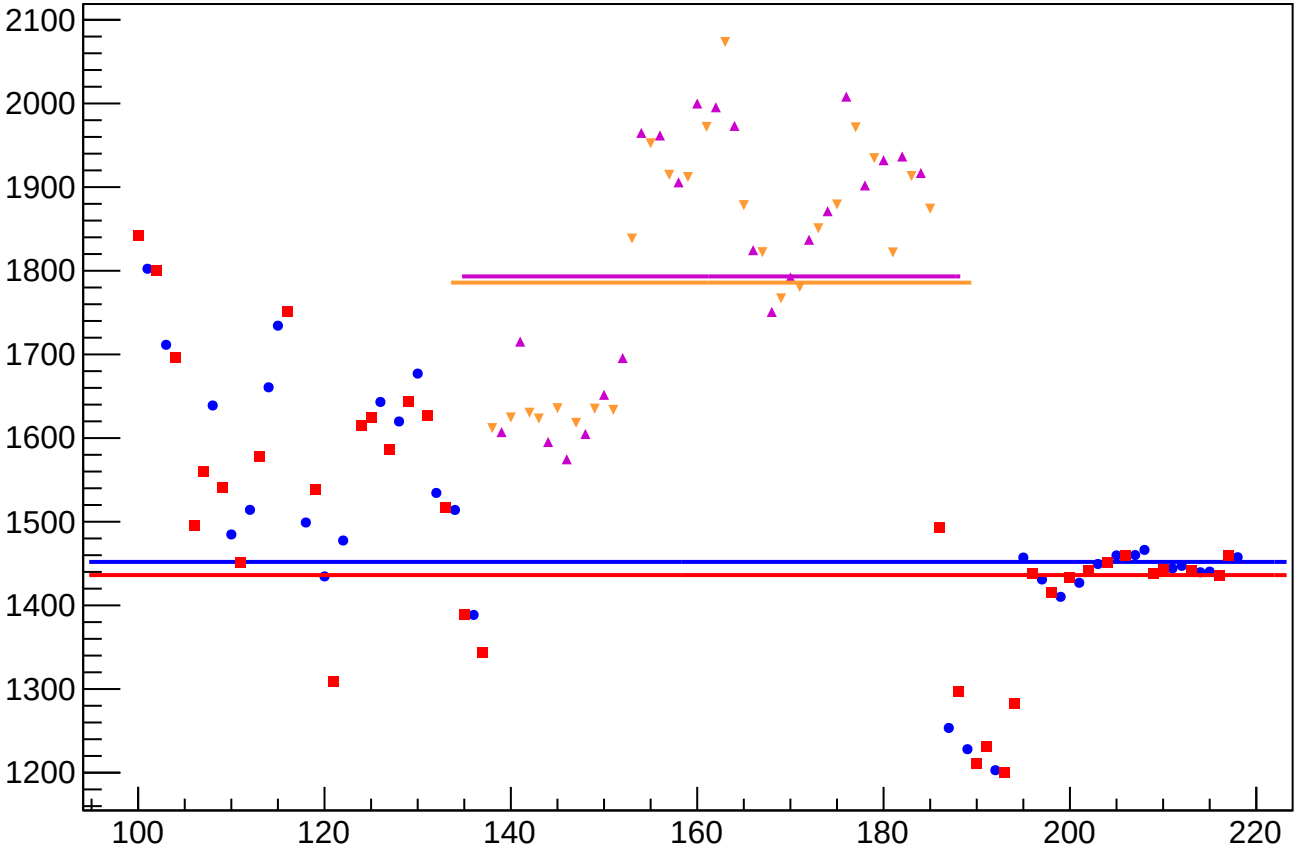
Right: -30.609+/-0.227 χ^2/NDF: 77543.7/67

In: -17.603+/-0.257 χ^2/NDF:68302.2/54

Out: -4.386+/-0.250 χ^2/NDF:46926.8/60

All: -10.821+/-0.179 χ^2/NDF: 116589.5/115

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: 1436.202+/-0.224 χ^2/NDF: 331455.5/35

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

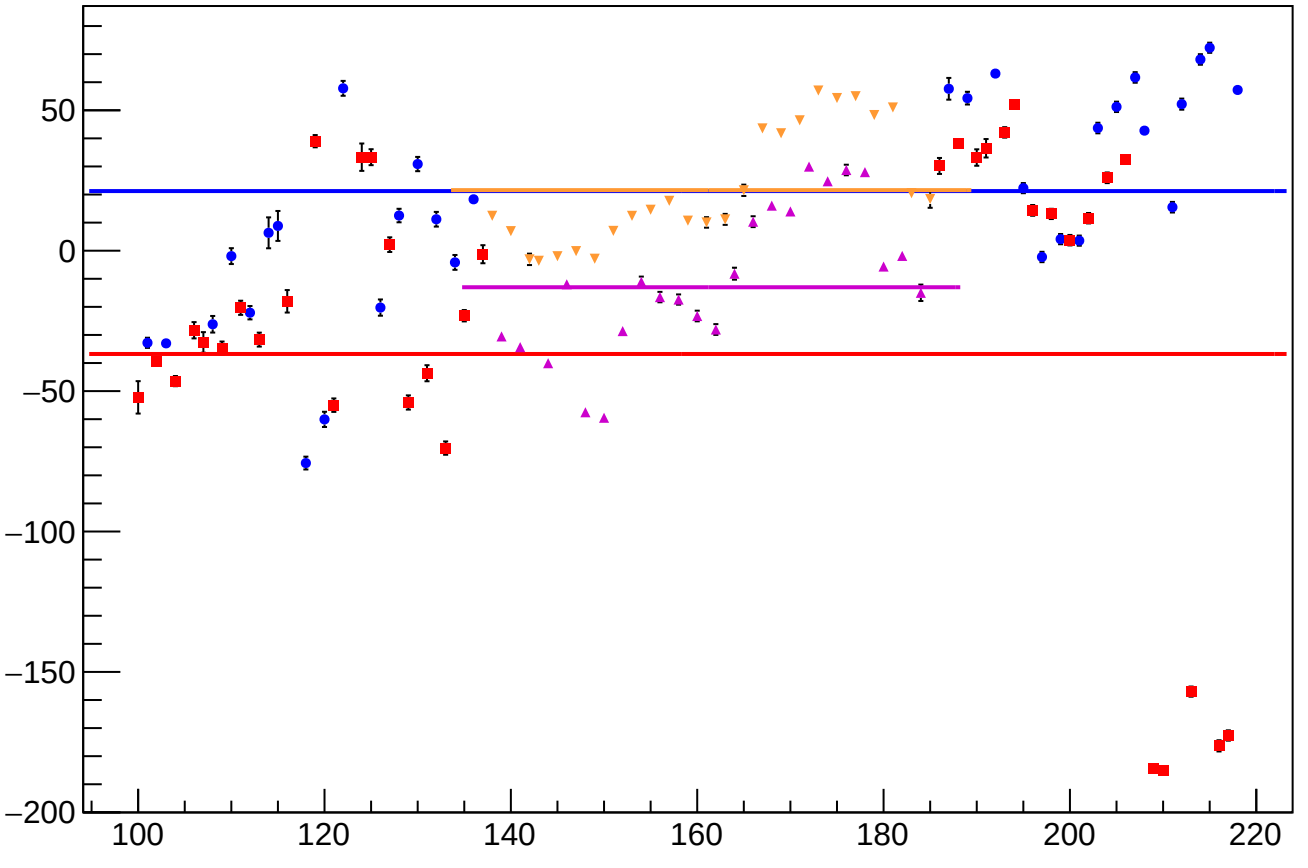
Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

Right: 1443.902+/-0.160 χ^2/NDF: 615949.4/67

In: 1579.135+/-0.181 χ^2/NDF:1361490.0/54

Out: 1568.031+/-0.177 χ^2/NDF:1487334.1/60

All: 1573.437+/-0.127 χ^2/NDF: 2850745.0/11



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: -36.778+/-0.364 χ^2/NDF: 47065.9/35

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

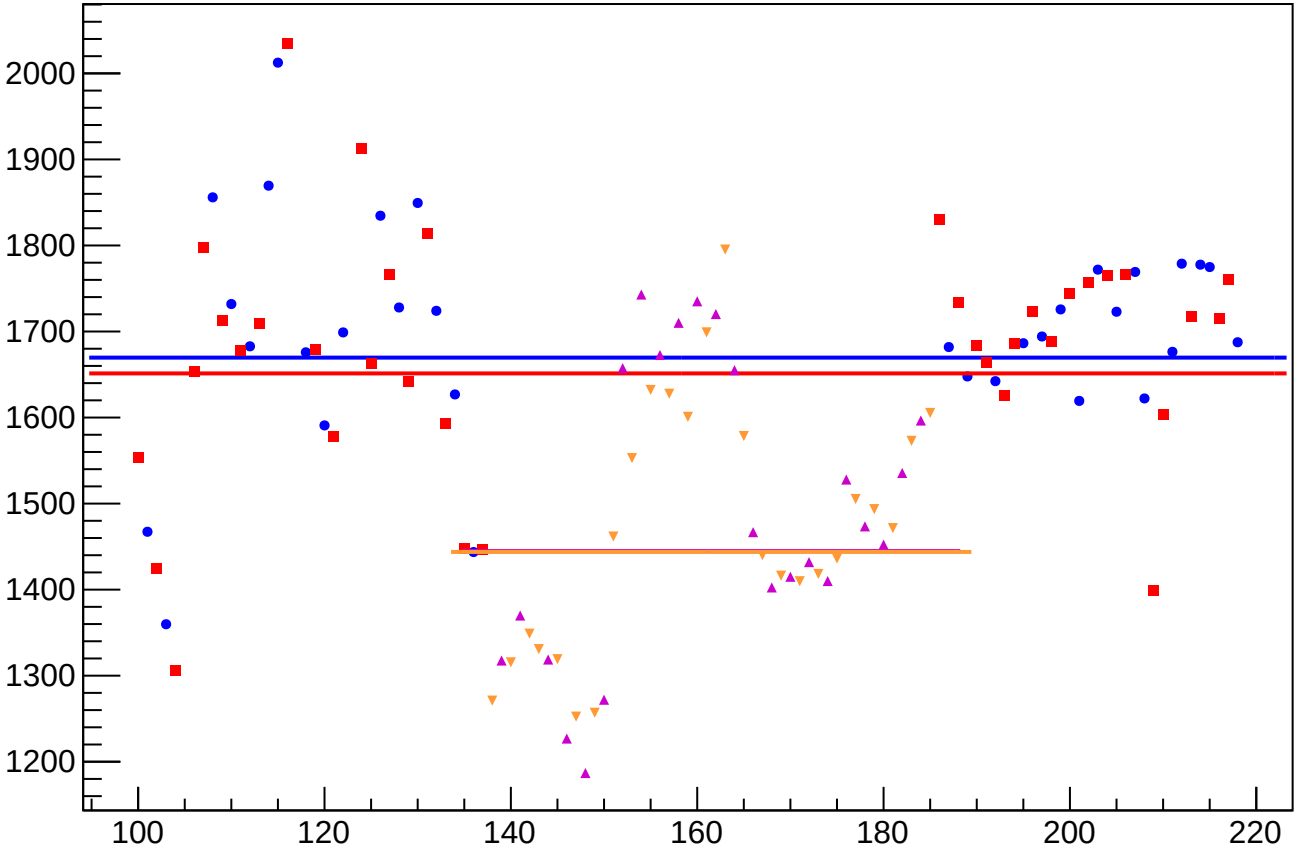
Right: -8.437+/-0.261 χ^2/NDF: 69567.5/67

In: 2.536+/-0.251 χ^2/NDF:21353.8/54

Out: -4.715+/-0.245 χ^2/NDF:65314.1/60

All: -1.187+/-0.175 χ^2/NDF: 87095.6/115

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: 1651.299+/-0.258 χ^2/NDF: 291045.9/35

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

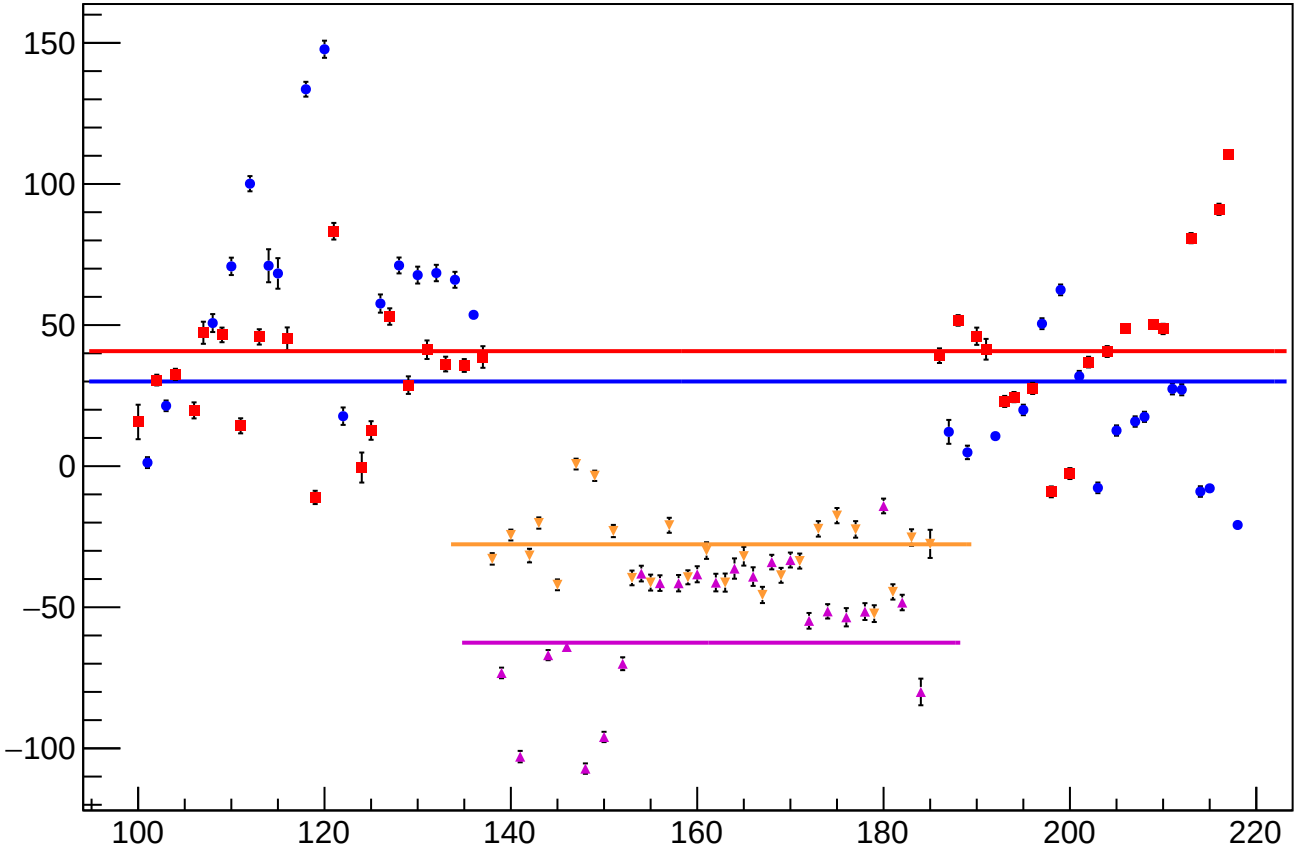
Right: 1660.267+/-0.184 χ^2/NDF: 504761.1/67

In: 1546.905+/-0.178 χ^2/NDF:1093509.2/54

Out: 1537.282+/-0.173 χ^2/NDF:999718.7/60

All: 1541.964+/-0.124 χ^2/NDF: 2094734.5/11

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: 40.763+/-0.384 χ^2/NDF: 5242.4/35

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

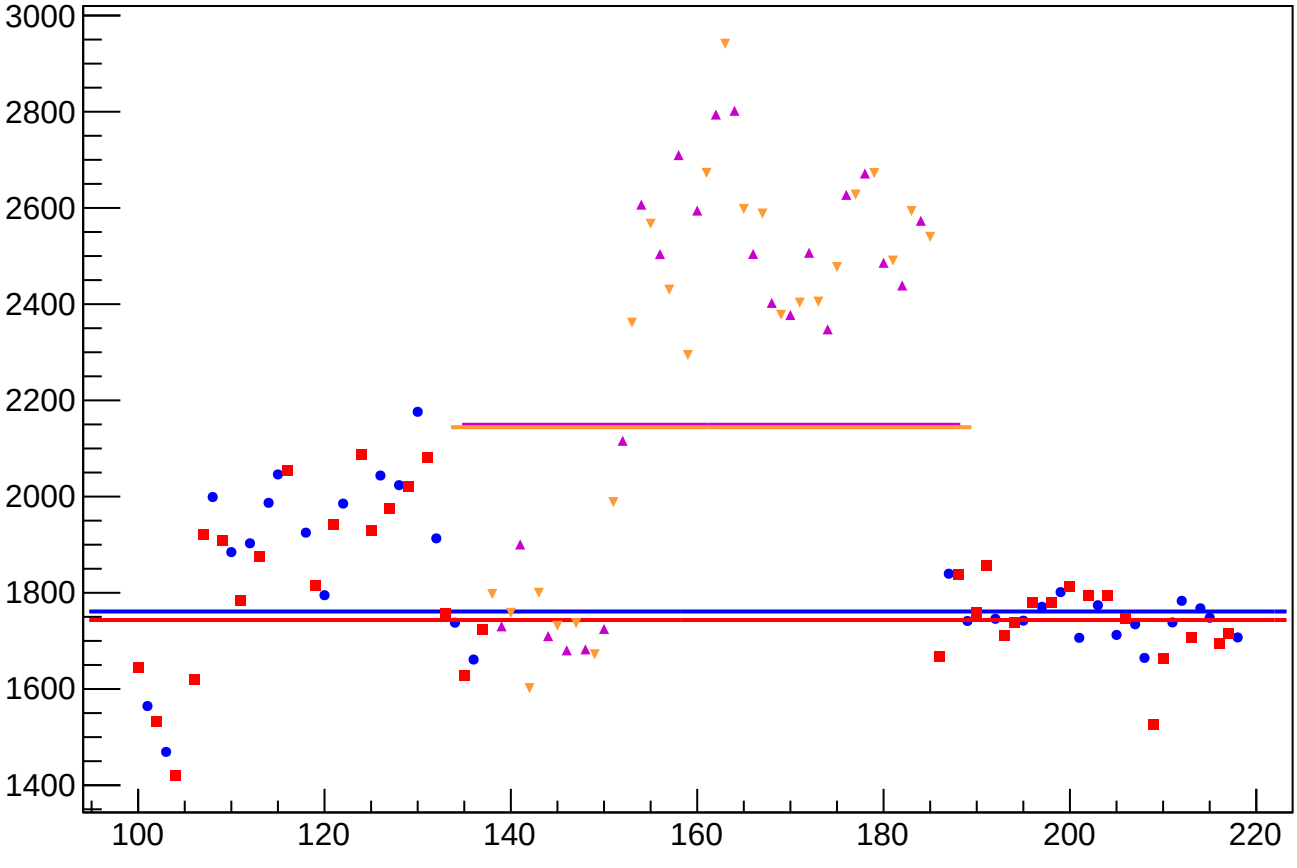
Right: 35.510+/-0.275 χ^2/NDF: 13863.5/67

In: -4.334+/-0.312 χ^2/NDF:31279.0/54

Out: 15.079+/-0.304 χ^2/NDF:17908.5/60

All: 5.622+/-0.218 χ^2/NDF: 51176.3/115

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: 1743.409+/-0.272 χ^2/NDF: 248525.0/35

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

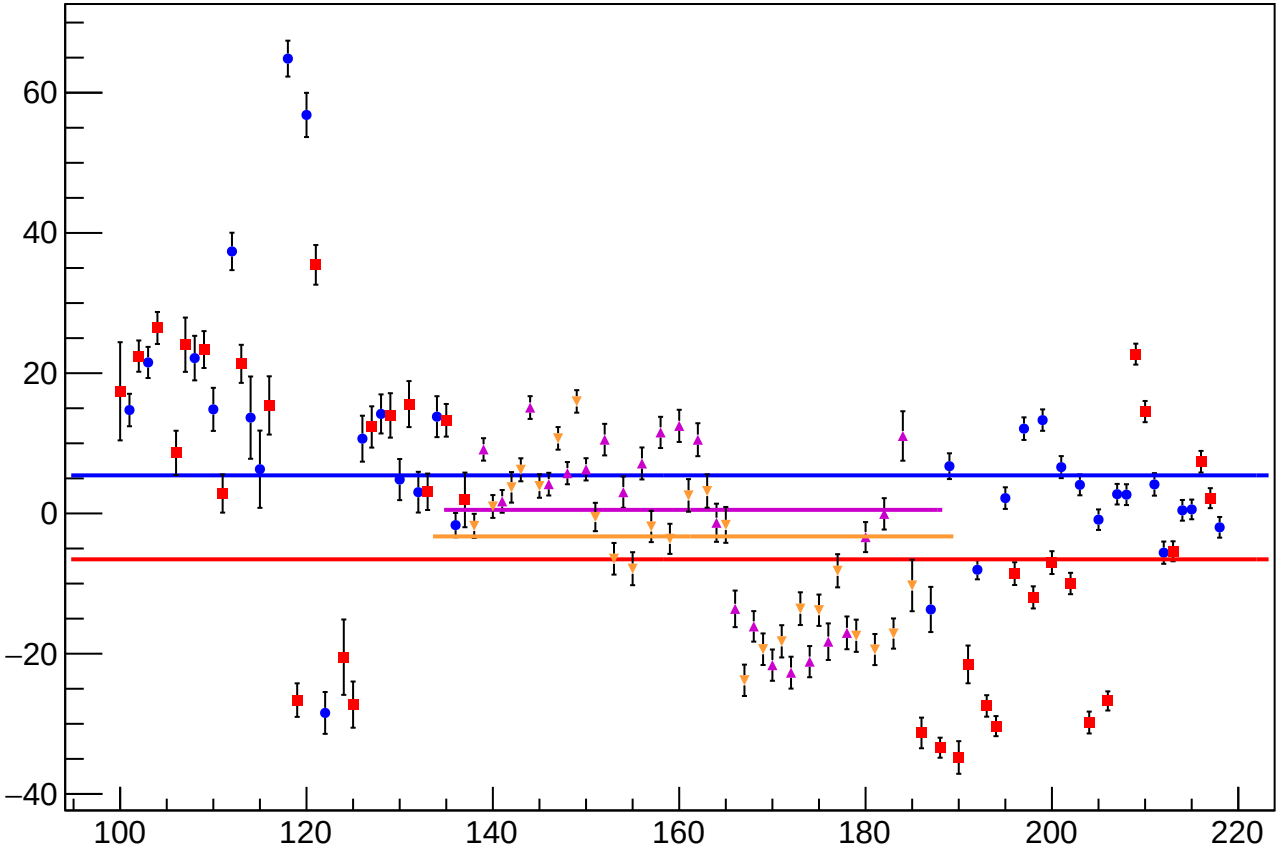
Right: 1752.076+/-0.194 χ^2/NDF: 463206.1/67

In: 1905.193+/-0.220 χ^2/NDF:2202199.2/54

Out: 1893.788+/-0.215 χ^2/NDF:2344291.9/60

All: 1899.344+/-0.154 χ^2/NDF: 4547863.8/11

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: -6.543+/-0.334 χ^2/NDF: 3586.6/35

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

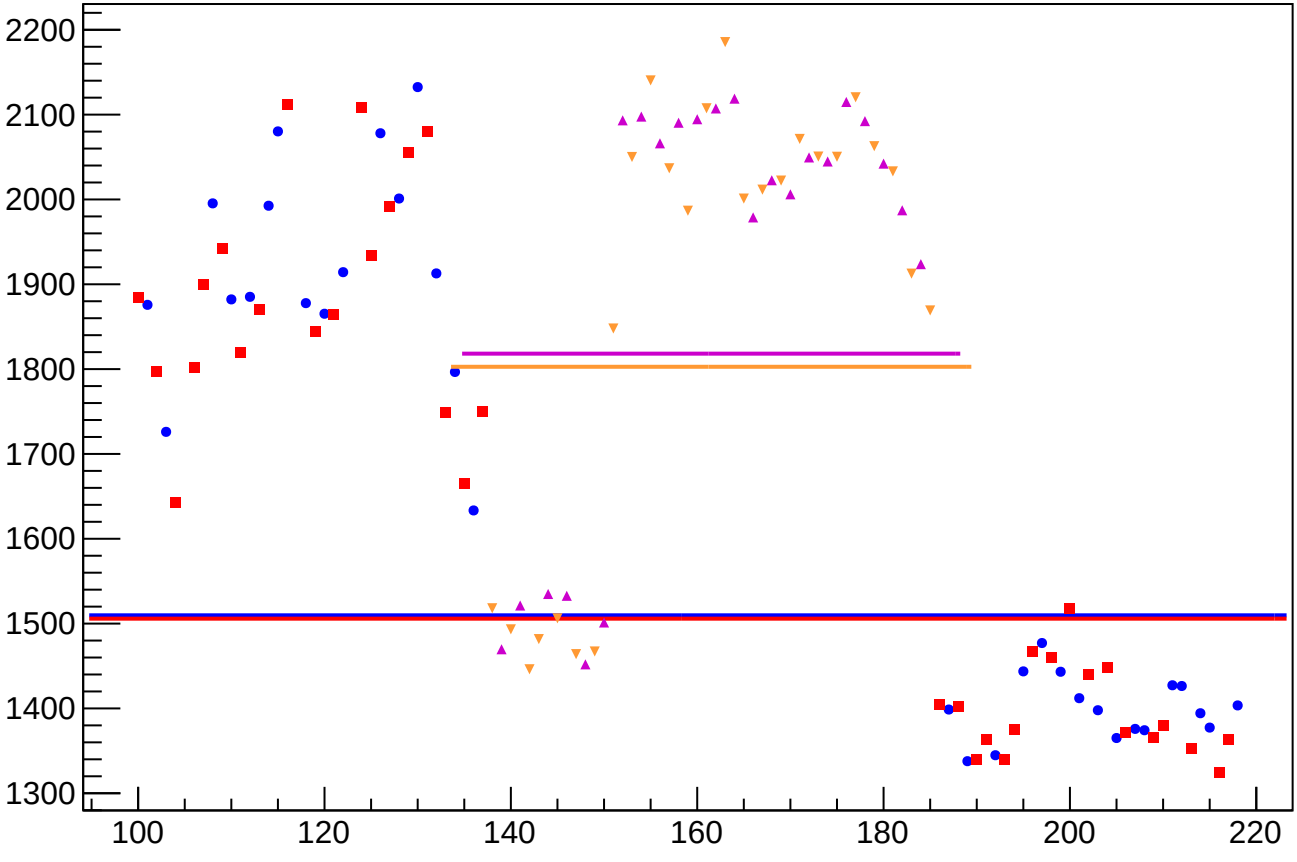
Right: -0.647+/-0.238 χ^2/NDF: 5746.2/67

In: 3.542+/-0.266 χ^2/NDF:2354.0/54

Out: -5.256+/-0.260 χ^2/NDF:4295.4/60

All: -0.959+/-0.186 χ^2/NDF: 7207.7/115

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: 1505.809+/-0.236 χ^2/NDF: 789608.2/35

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

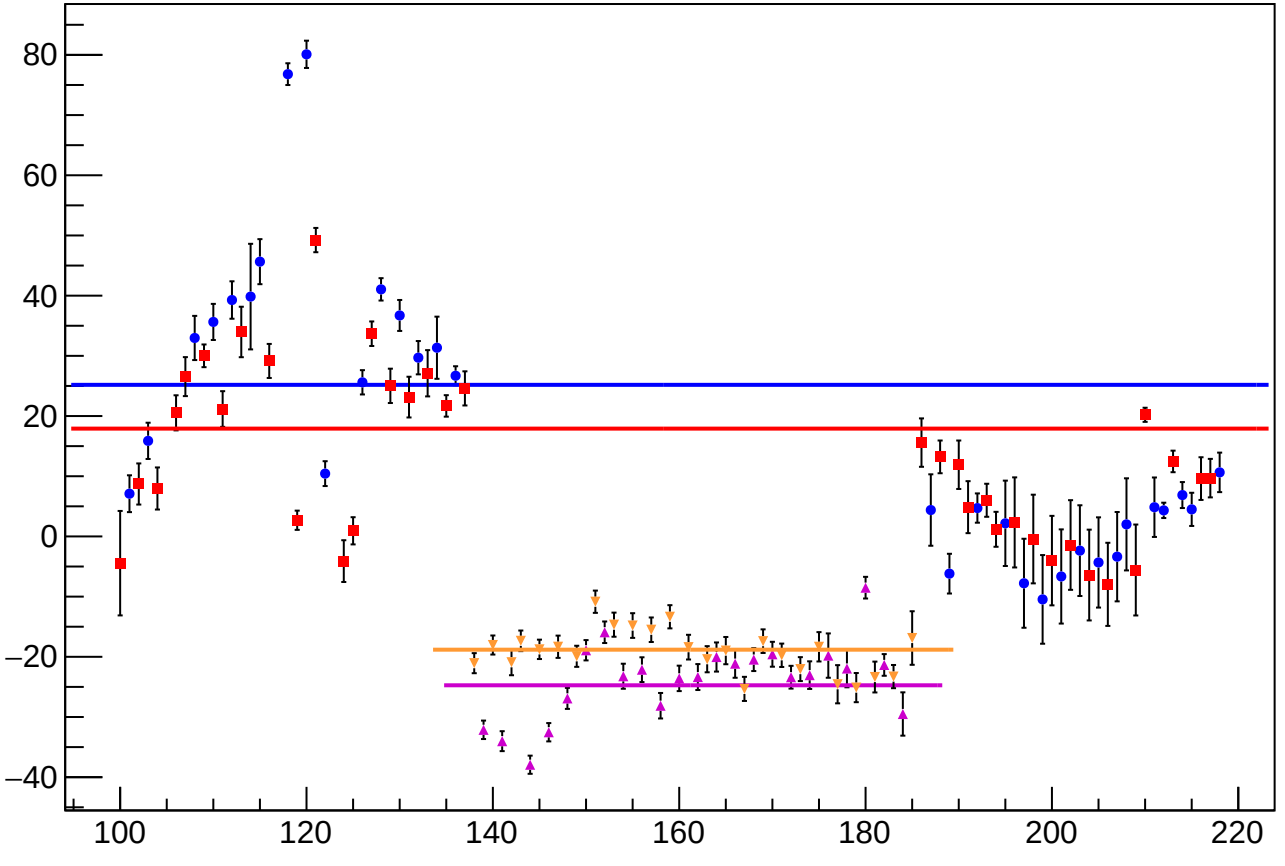
Right: 1507.758+/-0.168 χ^2/NDF: 1574021.8/67

In: 1628.212+/-0.188 χ^2/NDF:2259250.3/54

Out: 1622.755+/-0.184 χ^2/NDF:2308727.5/60

All: 1625.420+/-0.132 χ^2/NDF: 4568407.4/11

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: 17.912+/-0.459 χ^2/NDF: 767.4/35

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

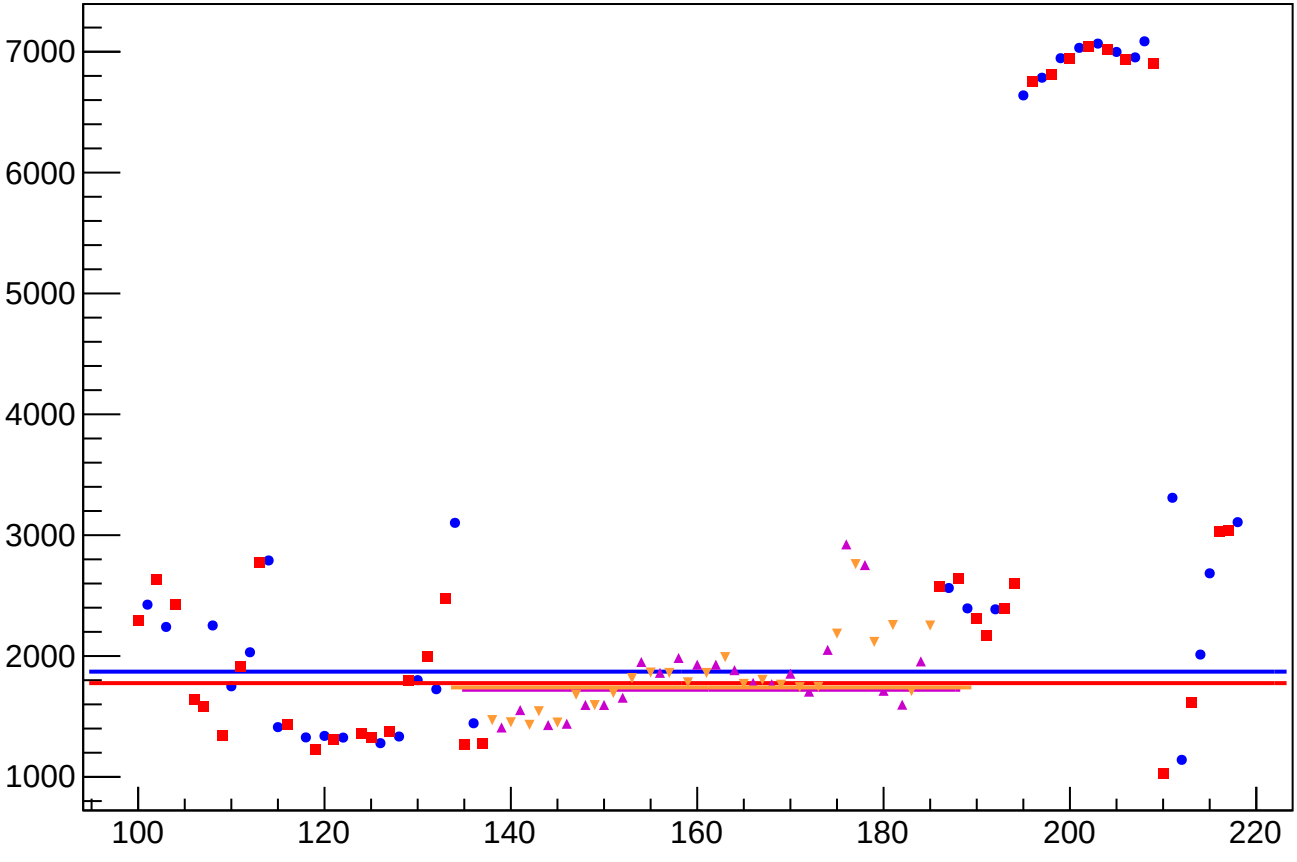
Right: 21.283+/-0.336 χ^2/NDF: 3279.6/67

In: -4.406+/-0.315 χ^2/NDF:8775.1/54

Out: -2.860+/-0.302 χ^2/NDF:4469.8/60

All: -3.602+/-0.218 χ^2/NDF: 13257.5/115

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: 1775.862+/-0.324 χ^2/NDF: 10072661.0/35

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

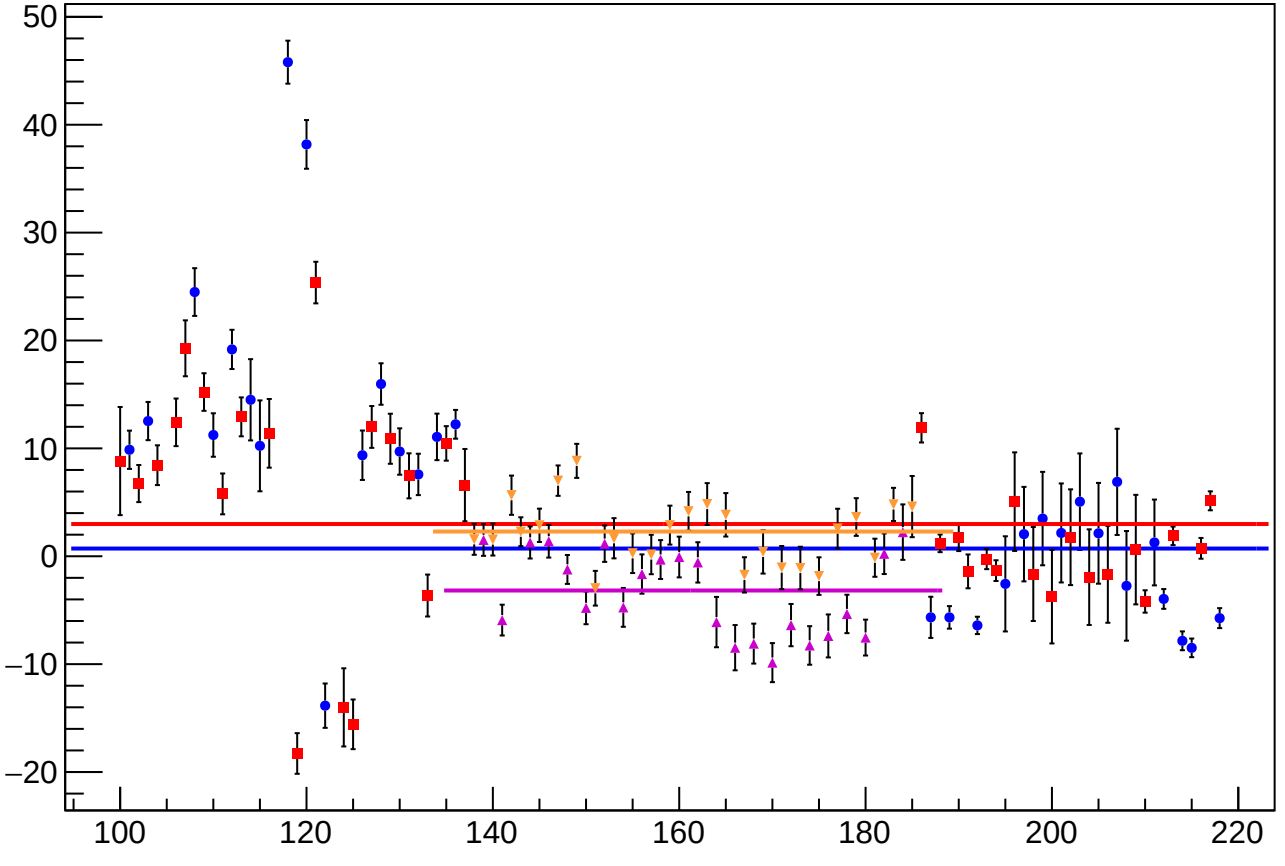
Right: 1819.899+/-0.237 χ^2/NDF: 20150399.8/67

In: 1781.933+/-0.223 χ^2/NDF:11031575.2/54

Out: 1755.630+/-0.214 χ^2/NDF:10832921.3/60

All: 1768.250+/-0.154 χ^2/NDF: 21871763.1/1

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: 2.988+/-0.262 χ^2/NDF: 739.4/35

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

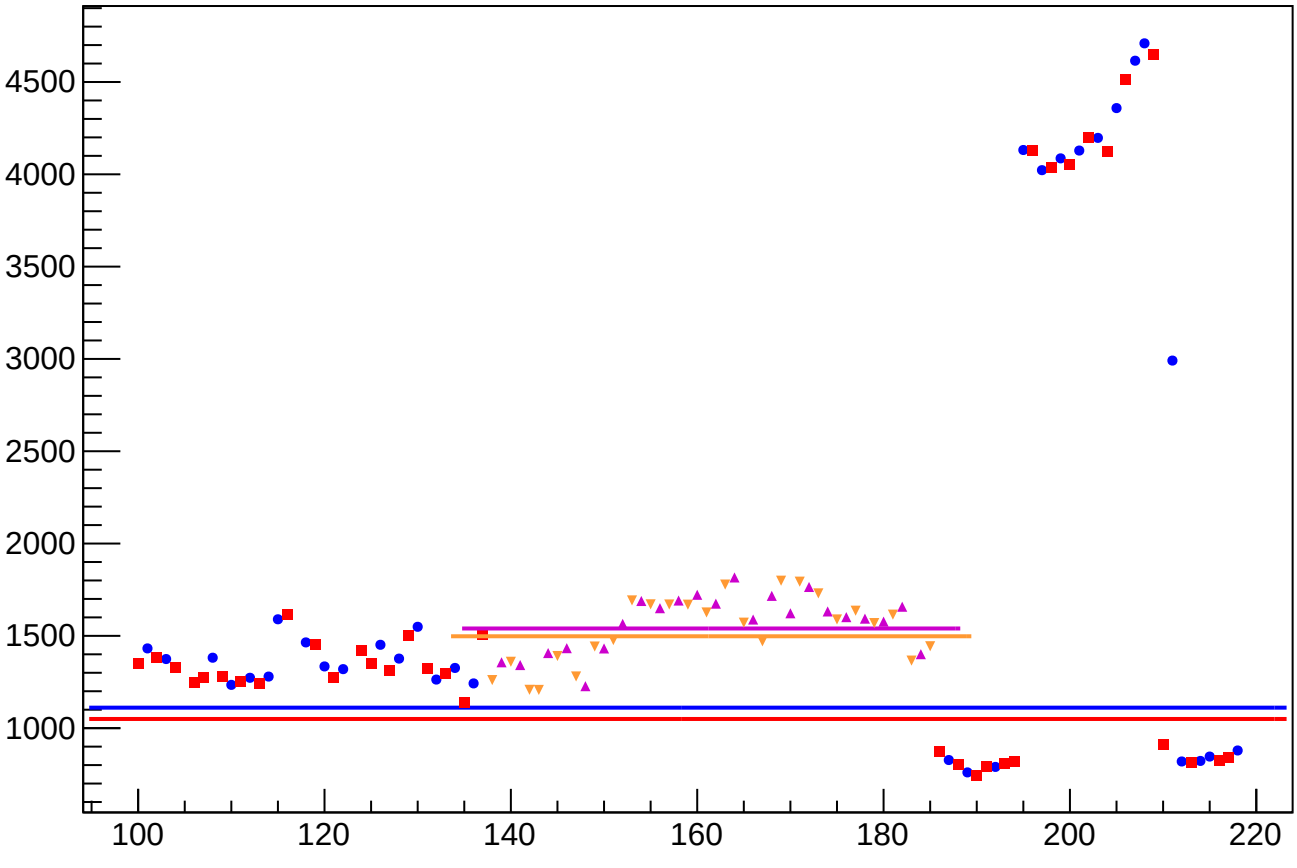
Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

Right: 1.956+/-0.194 χ^2/NDF: 2568.0/67

In: -0.784+/-0.225 χ^2/NDF:1975.5/54

Out: 2.732+/-0.208 χ^2/NDF:815.5/60

All: 1.110+/-0.153 χ^2/NDF: 2922.4/115



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: 1049.780+/-0.185 χ^2/NDF: 8700961.2/35

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

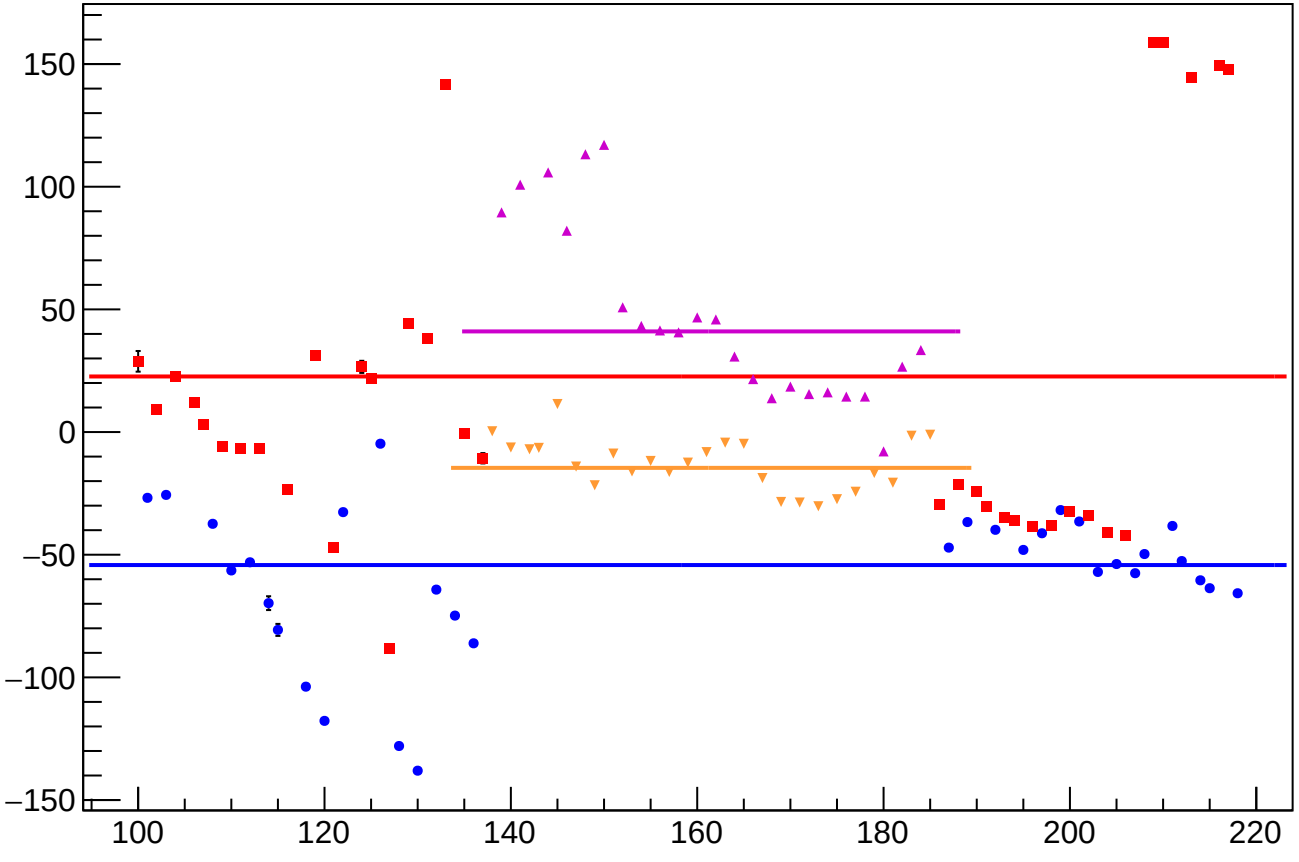
Right: 1077.628+/-0.137 χ^2/NDF: 18600466.2/67

In: 1276.430+/-0.159 χ^2/NDF:11950121.6/54

Out: 1214.548+/-0.147 χ^2/NDF:11419882.8/60

All: 1243.101+/-0.108 χ^2/NDF: 23451436.7/

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: 22.657+/-0.157 χ^2/NDF: 268461.8/35

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

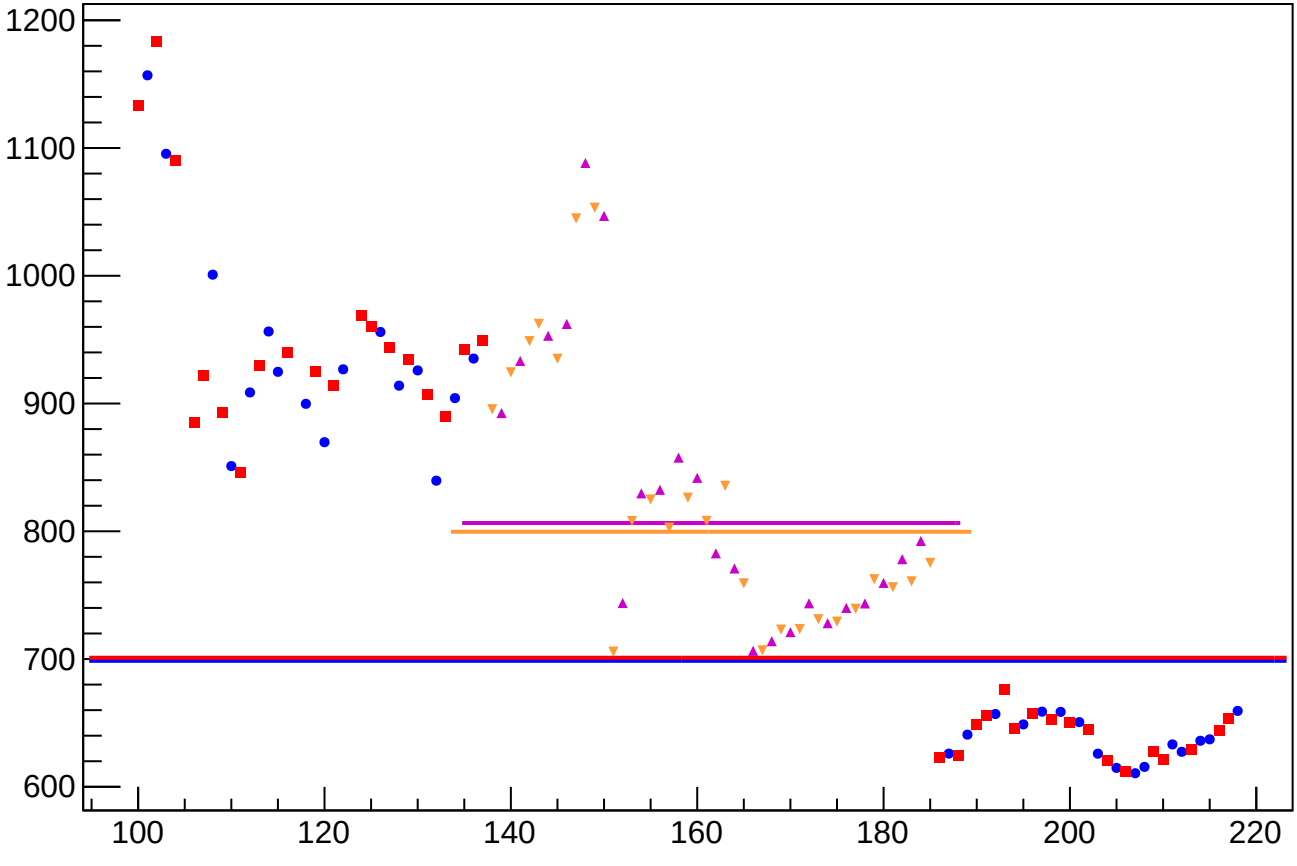
Right: -15.437+/-0.111 χ^2/NDF: 406887.7/67

In: -15.245+/-0.121 χ^2/NDF:198771.8/54

Out: 6.910+/-0.119 χ^2/NDF:295561.5/60

All: -3.941+/-0.085 χ^2/NDF: 511327.2/115

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: 701.010+/-0.111 χ^2/NDF: 1345550.4/35

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

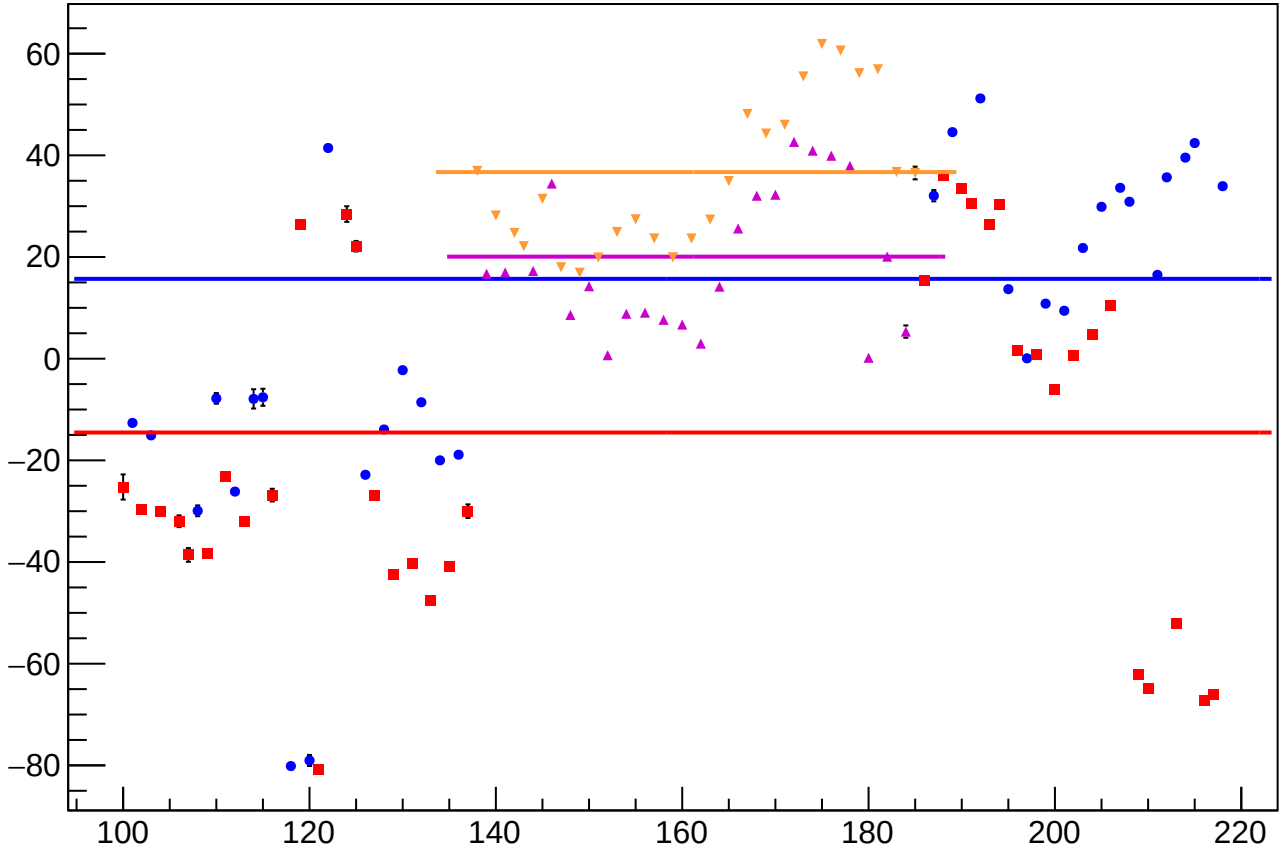
Right: 699.824+/-0.079 χ^2/NDF: 2638688.6/67

In: 742.751+/-0.086 χ^2/NDF:2185892.6/54

Out: 742.700+/-0.084 χ^2/NDF:2178574.2/60

All: 742.725+/-0.060 χ^2/NDF: 4364466.9/115

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: -14.521+/-0.117 χ^2/NDF: 94034.1/35

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

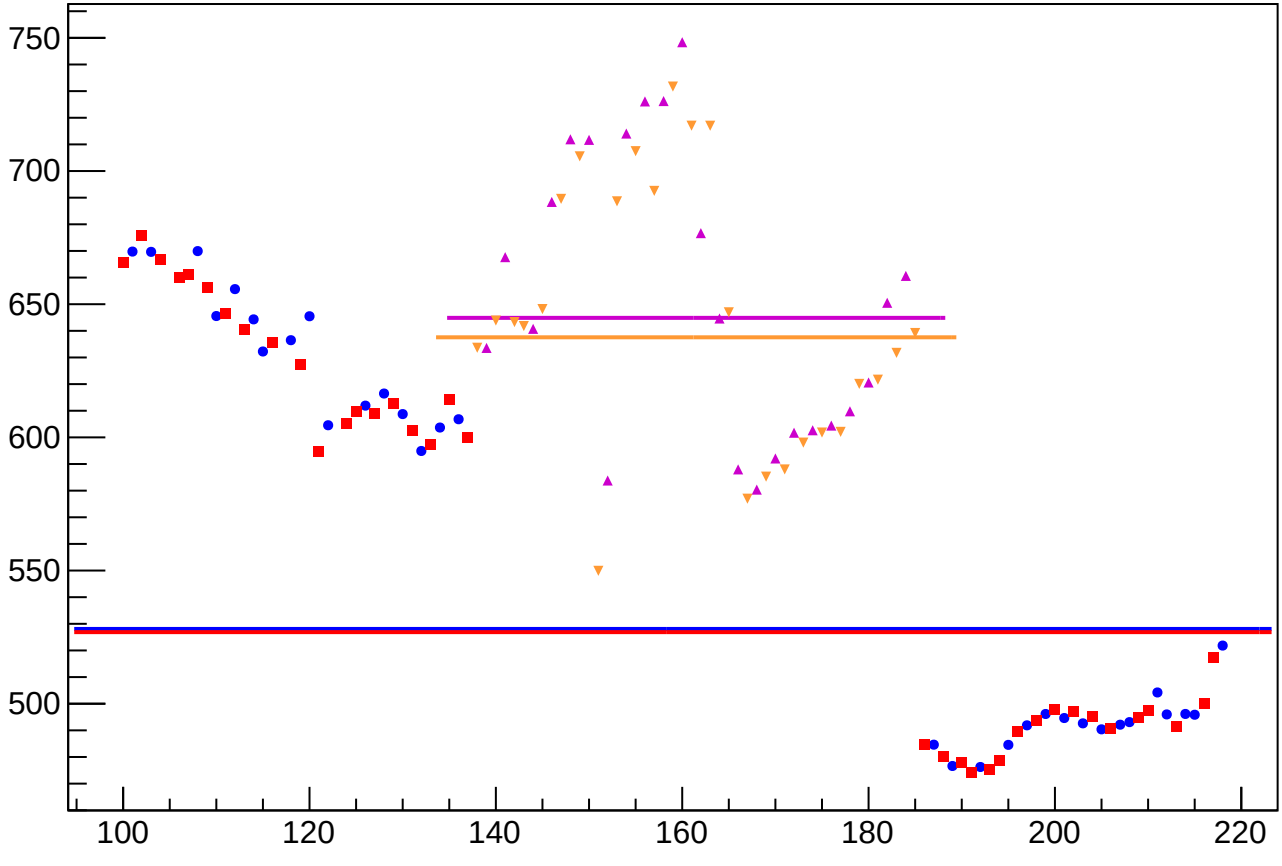
Right: 0.371+/-0.083 χ^2/NDF: 181862.0/67

In: 17.359+/-0.093 χ^2/NDF:63757.2/54

Out: 5.507+/-0.091 χ^2/NDF:179828.5/60

All: 11.291+/-0.065 χ^2/NDF: 251875.2/115

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: 526.879+/-0.082 χ^2/NDF: 574584.4/35

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

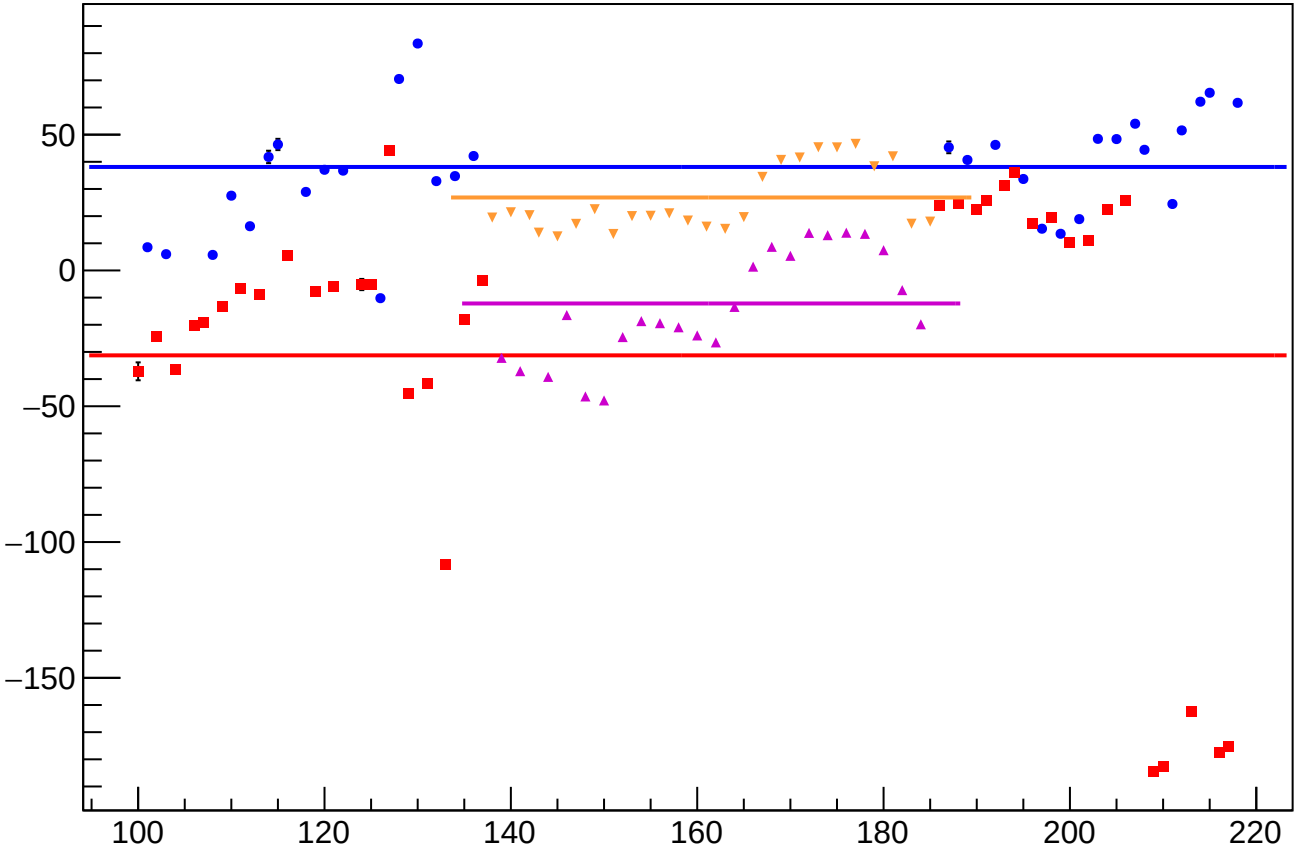
Right: 527.467+/-0.059 χ^2/NDF: 1116825.6/67

In: 572.378+/-0.066 χ^2/NDF:1512105.8/54

Out: 570.156+/-0.064 χ^2/NDF:1516791.6/60

All: 571.240+/-0.046 χ^2/NDF: 3029480.2/115

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: -31.263+/-0.192 χ^2/NDF: 142032.0/35

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

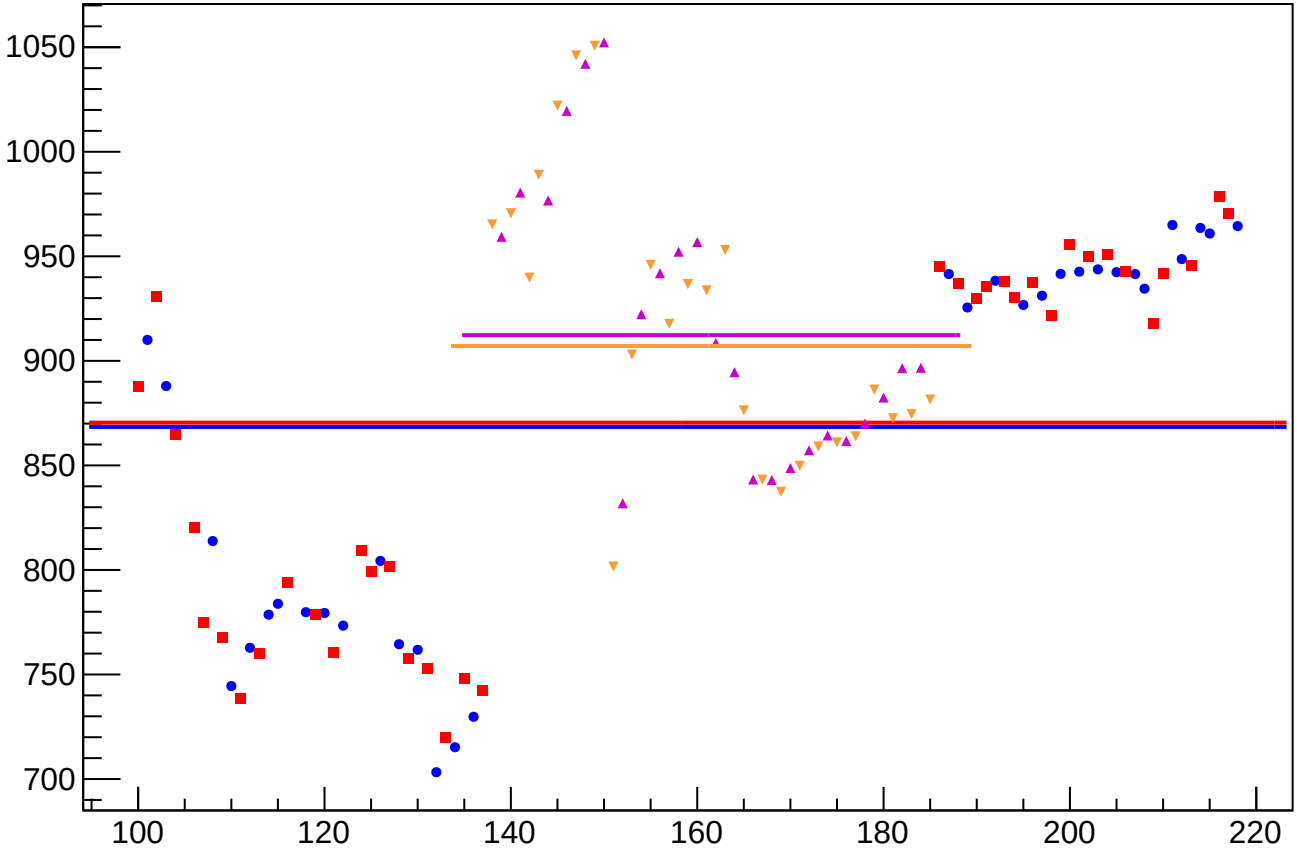
Right: 3.047+/-0.137 χ^2/NDF: 217751.8/67

In: 15.364+/-0.144 χ^2/NDF:50106.6/54

Out: -4.311+/-0.141 χ^2/NDF:187851.9/60

All: 5.318+/-0.101 χ^2/NDF: 247525.6/115

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: 870.456+/-0.136 χ^2/NDF: 417481.0/35

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

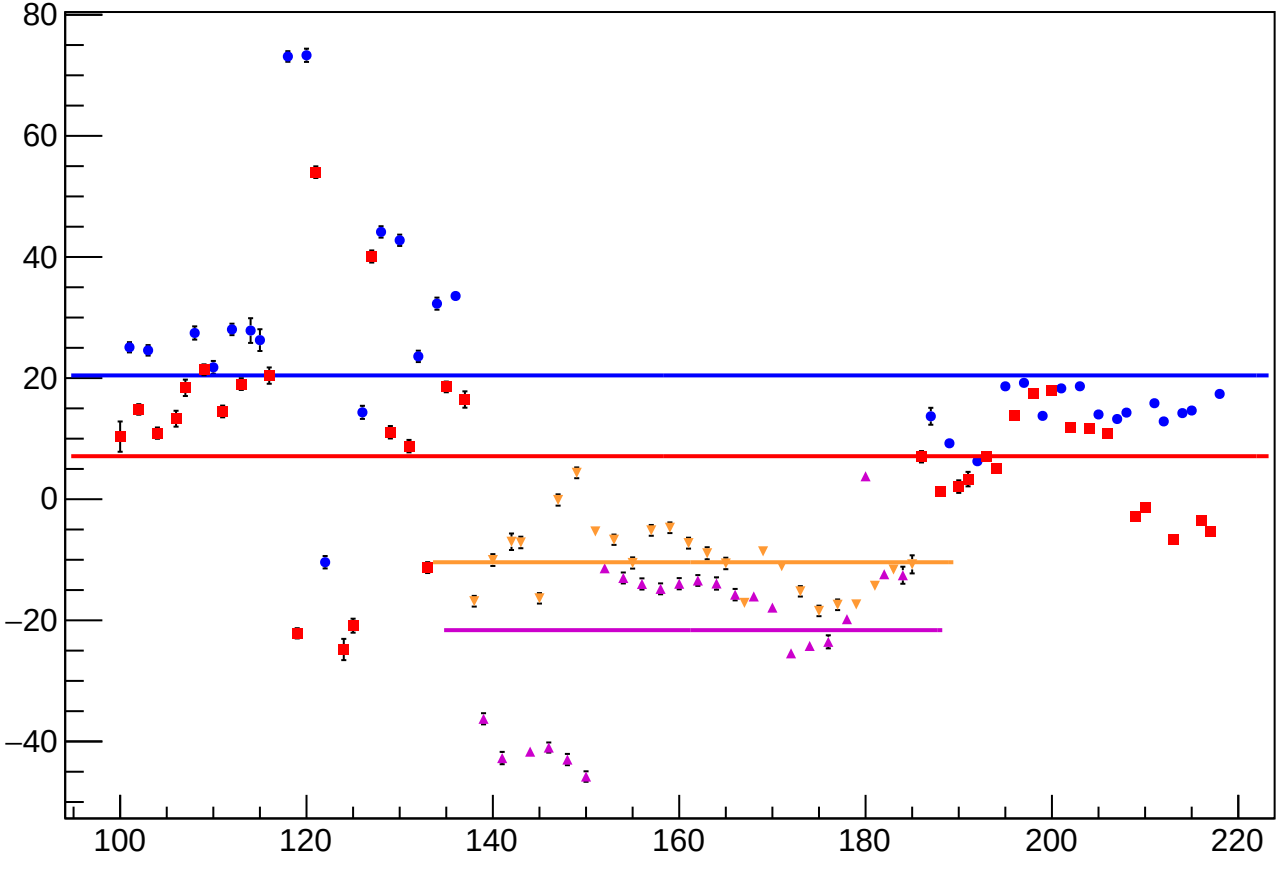
Right: 869.436+/-0.097 χ^2/NDF: 872800.4/67

In: 888.259+/-0.102 χ^2/NDF:676157.0/54

Out: 887.441+/-0.100 χ^2/NDF:645790.0/60

All: 887.841+/-0.071 χ^2/NDF: 1321980.1/115

diff_bpm1i04Y_mean vs Slug, Sign Corrected



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: 7.104+/-0.134 χ^2/NDF: 9568.4/35

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

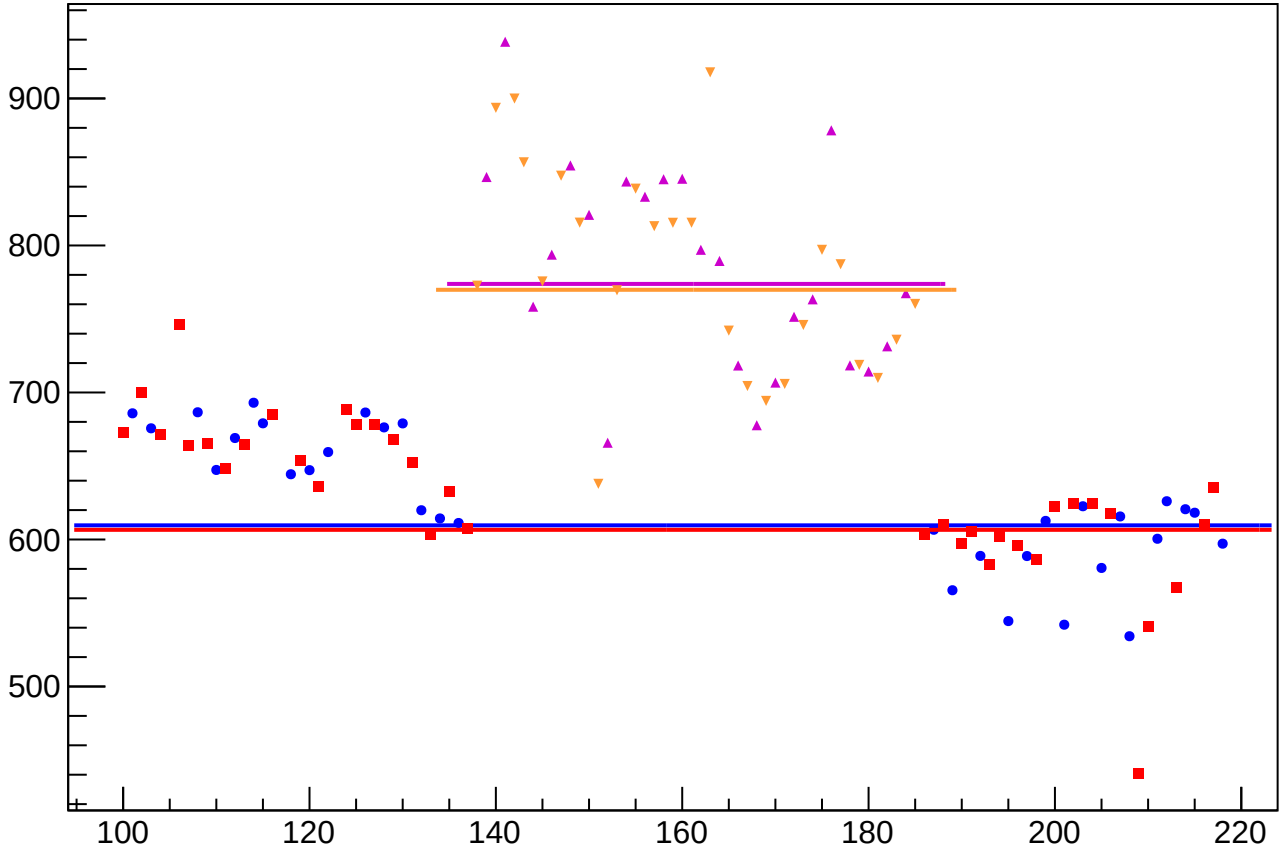
Right: 13.664+/-0.096 χ^2/NDF: 24892.4/67

In: 5.313+/-0.109 χ^2/NDF:49930.6/54

Out: 0.670+/-0.107 χ^2/NDF:16871.2/60

All: 2.939+/-0.076 χ^2/NDF: 67727.7/115

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: 606.568+/-0.095 χ^2/NDF: 412736.4/35

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

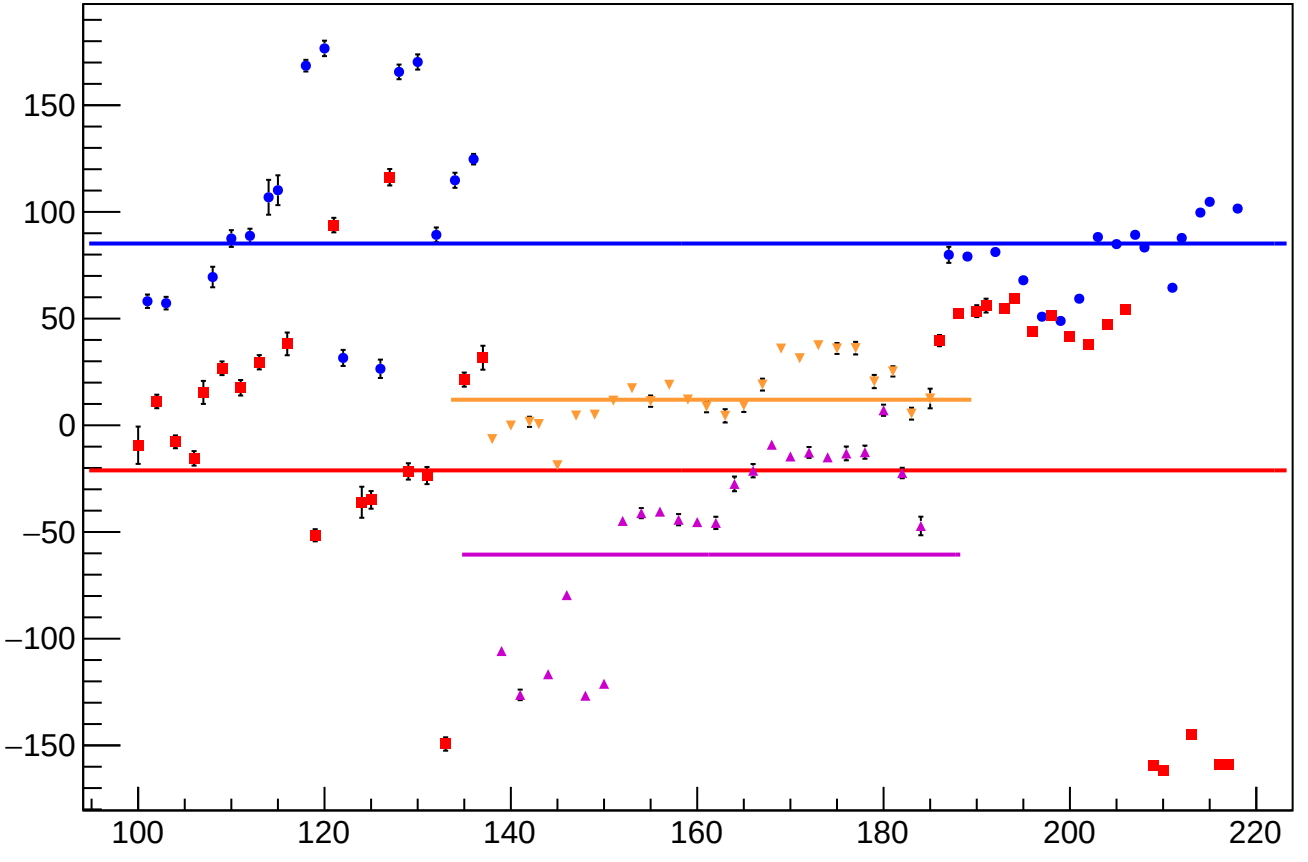
Right: 608.070+/-0.068 χ^2/NDF: 610897.3/67

In: 668.689+/-0.077 χ^2/NDF:1523909.9/54

Out: 666.567+/-0.075 χ^2/NDF:1806110.5/60

All: 667.604+/-0.054 χ^2/NDF: 3330407.1/115

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: -21.130+/-0.397 χ^2/NDF: 55367.4/35

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

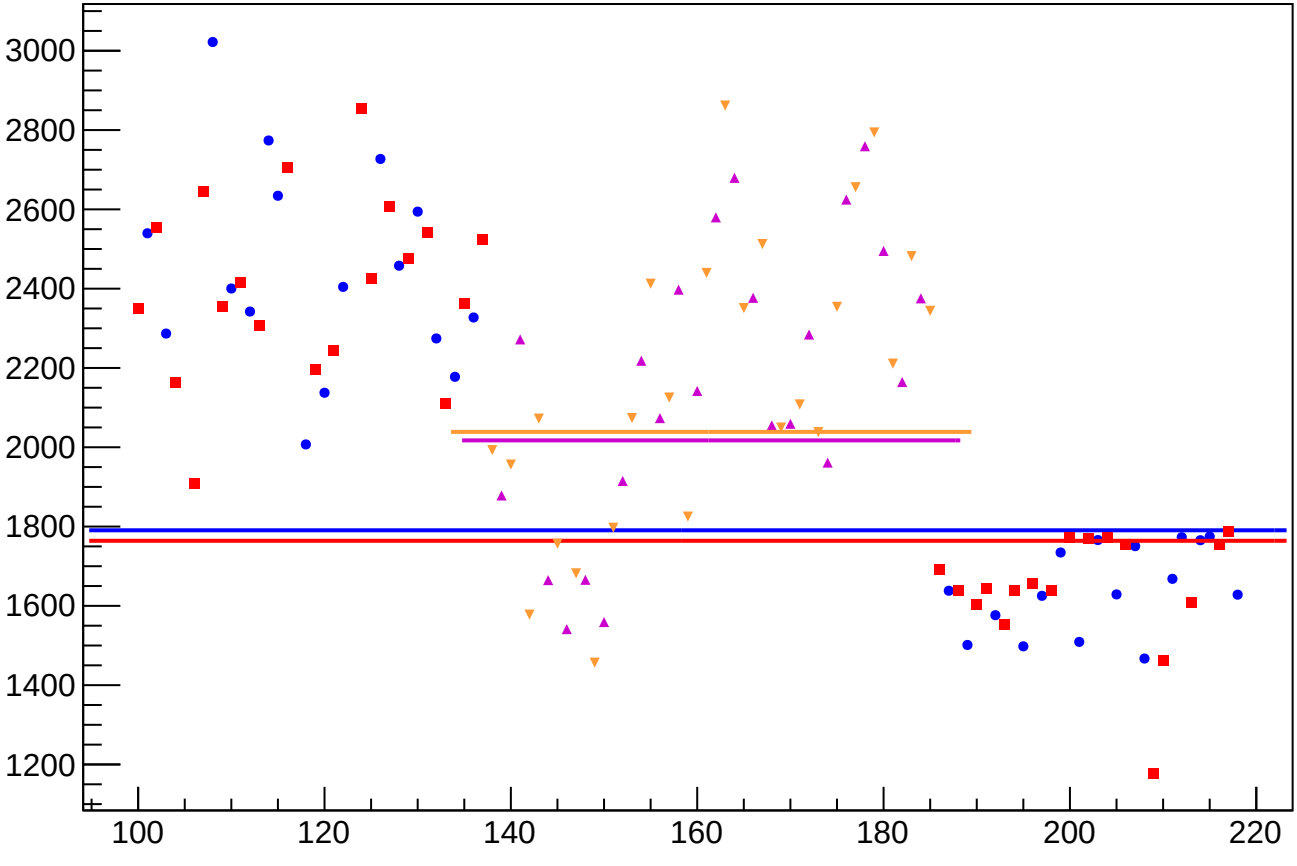
Right: 30.645+/-0.284 χ^2/NDF: 95467.7/67

In: 24.333+/-0.311 χ^2/NDF:67282.3/54

Out: -7.408+/-0.304 χ^2/NDF:59203.5/60

All: 8.092+/-0.217 χ^2/NDF: 131825.8/115

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: 1764.118+/-0.280 χ^2/NDF: 1598298.5/35

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

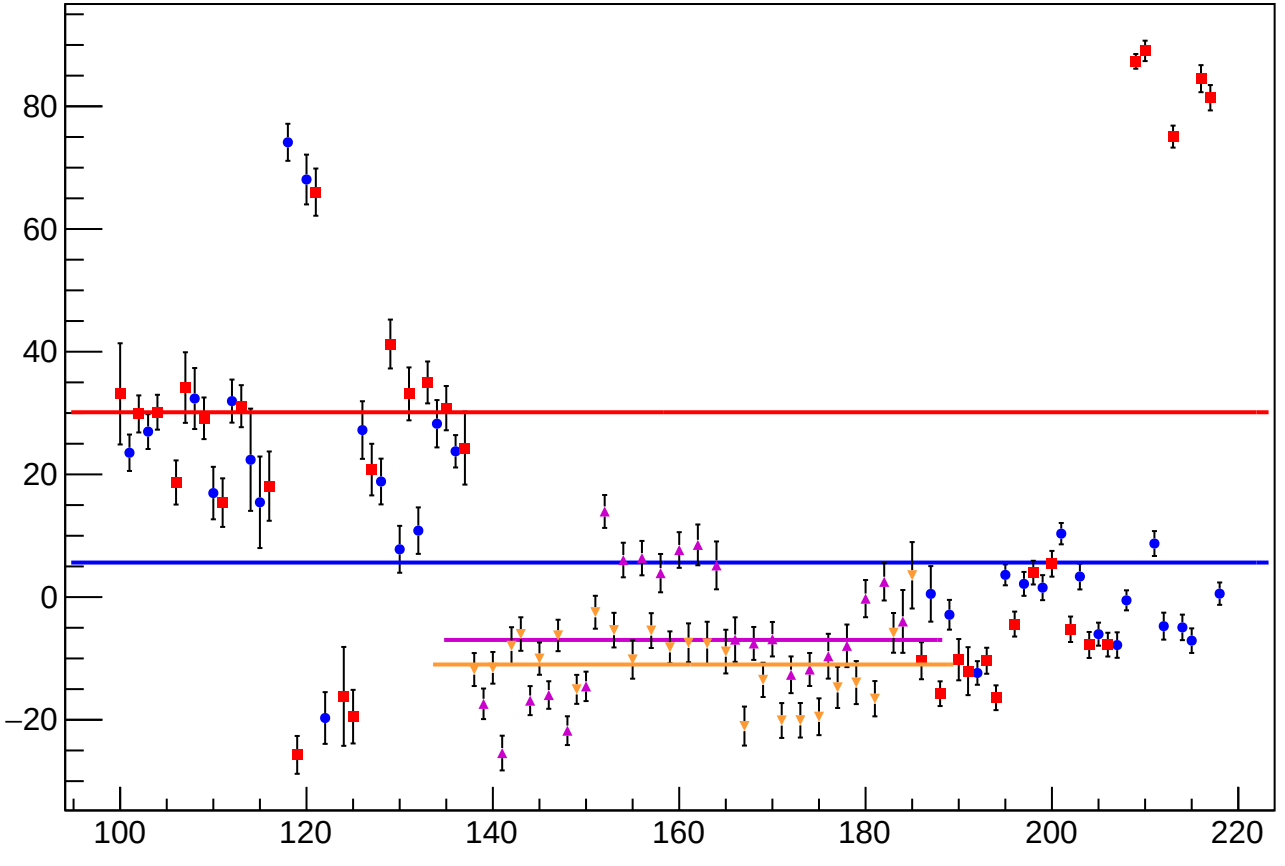
Right: 1777.015+/-0.201 χ^2/NDF: 2919822.9/67

In: 1885.237+/-0.220 χ^2/NDF:2626215.7/54

Out: 1877.920+/-0.215 χ^2/NDF:3119236.4/60

All: 1881.493+/-0.154 χ^2/NDF: 5746019.7/11

diff_bpm1i06Y_mean vs Slug, Sign Corrected



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: 30.130+/-0.427 χ^2/NDF: 9472.7/35

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

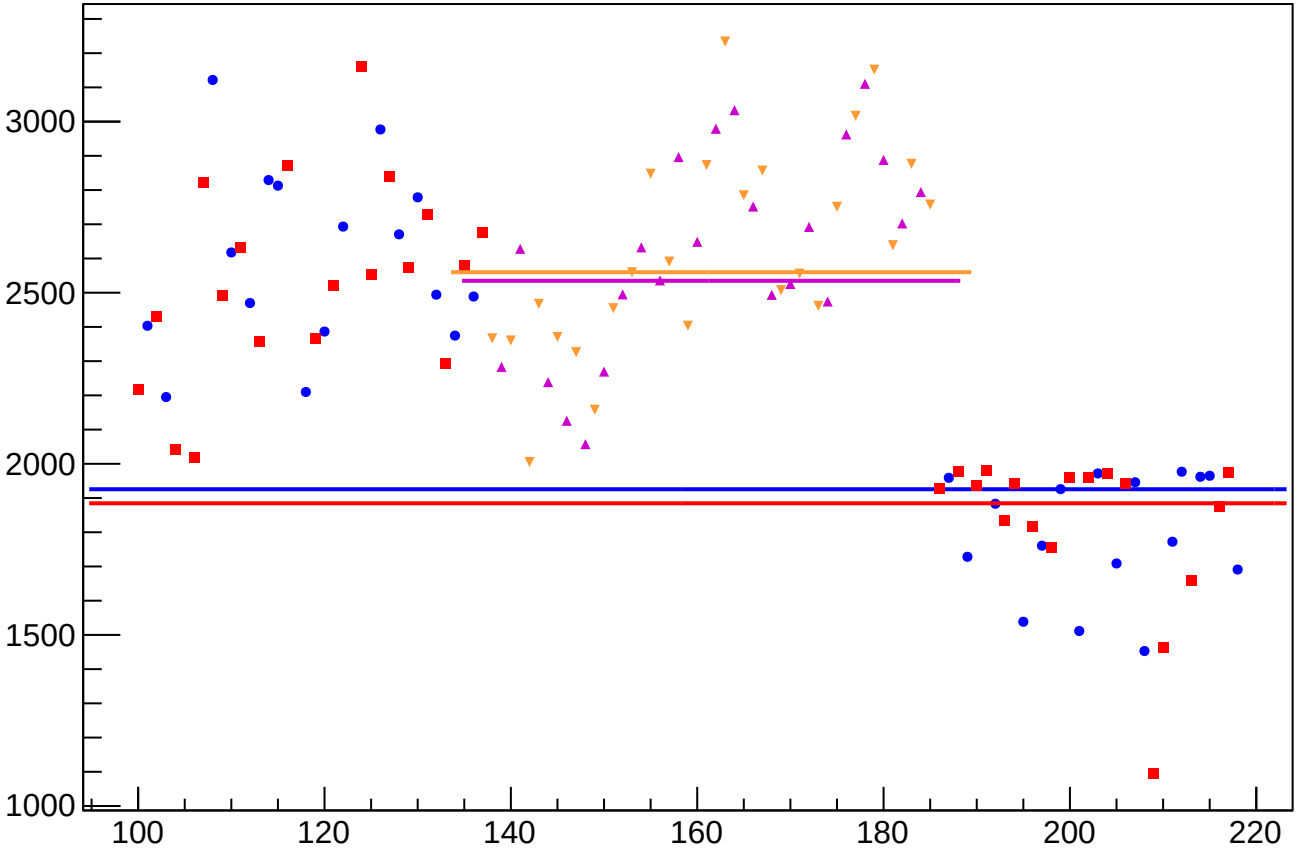
Right: 18.249+/-0.307 χ^2/NDF: 12474.4/67

In: 1.200+/-0.355 χ^2/NDF:2036.0/54

Out: 15.851+/-0.345 χ^2/NDF:12774.6/60

All: 8.723+/-0.247 χ^2/NDF: 15686.6/115

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: 1884.622+/-0.302 χ^2/NDF: 2009816.9/35

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

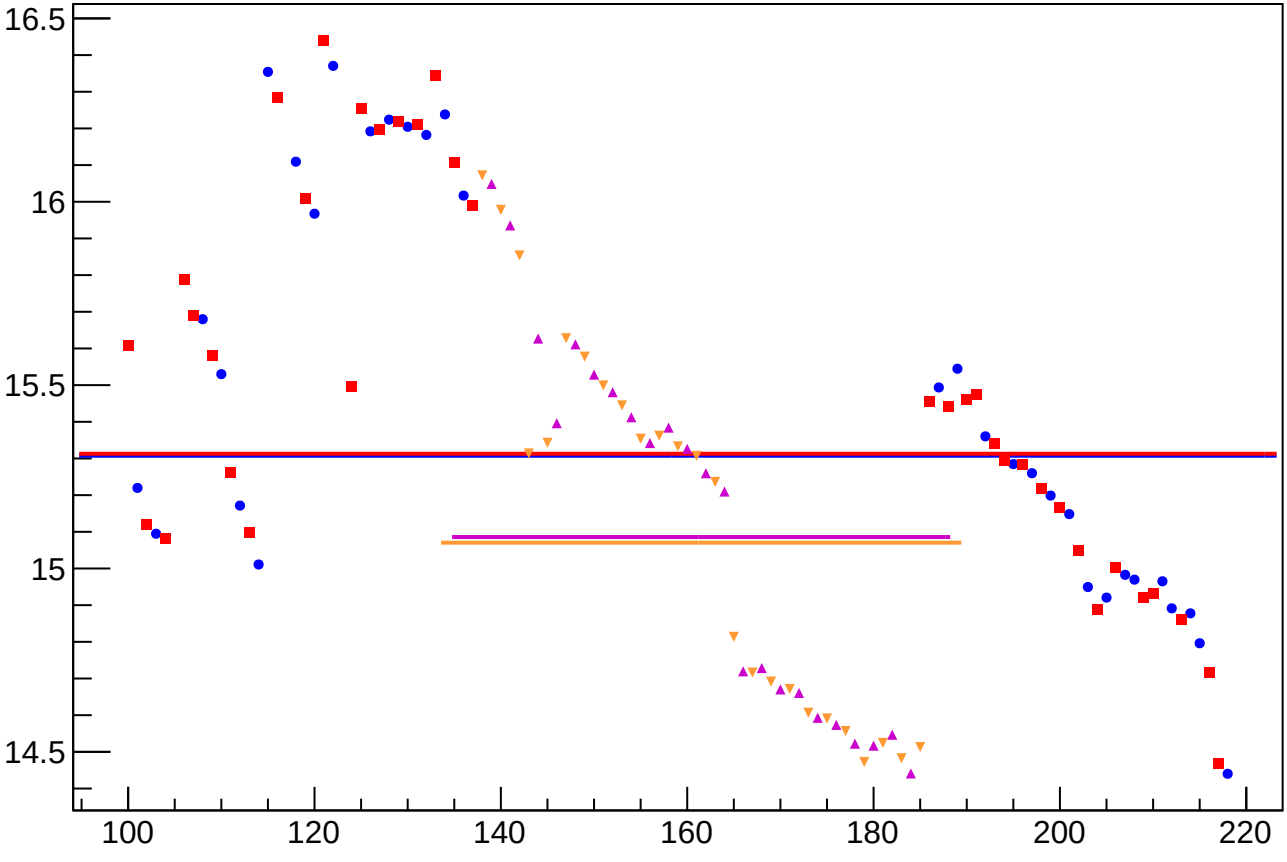
Right: 1904.540+/-0.217 χ^2/NDF: 3397307.6/67

In: 2139.679+/-0.251 χ^2/NDF:3185981.6/54

Out: 2119.150+/-0.244 χ^2/NDF:4194295.4/60

All: 2129.137+/-0.175 χ^2/NDF: 7383716.6/11

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: 15.313+/-0.000 χ^2/NDF: 31731881508.5/35

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

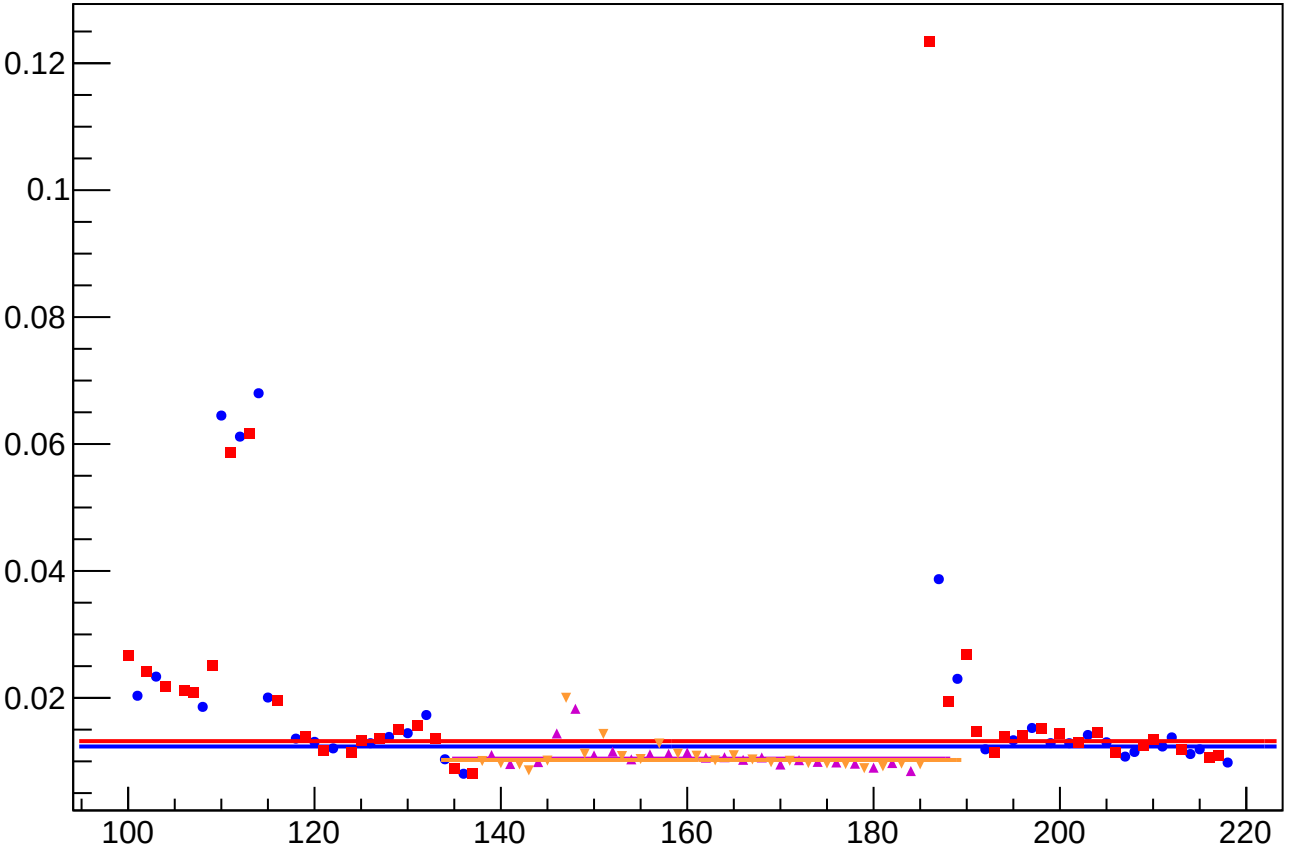
Right: 15.310+/-0.000 χ^2/NDF: 67710478302.4/67

In: 15.180+/-0.000 χ^2/NDF:78763531048.3/54

Out: 15.160+/-0.000 χ^2/NDF:79232552458.7/60

All: 15.170+/-0.000 χ^2/NDF: 158047035392.

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: 3566988.3/35

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

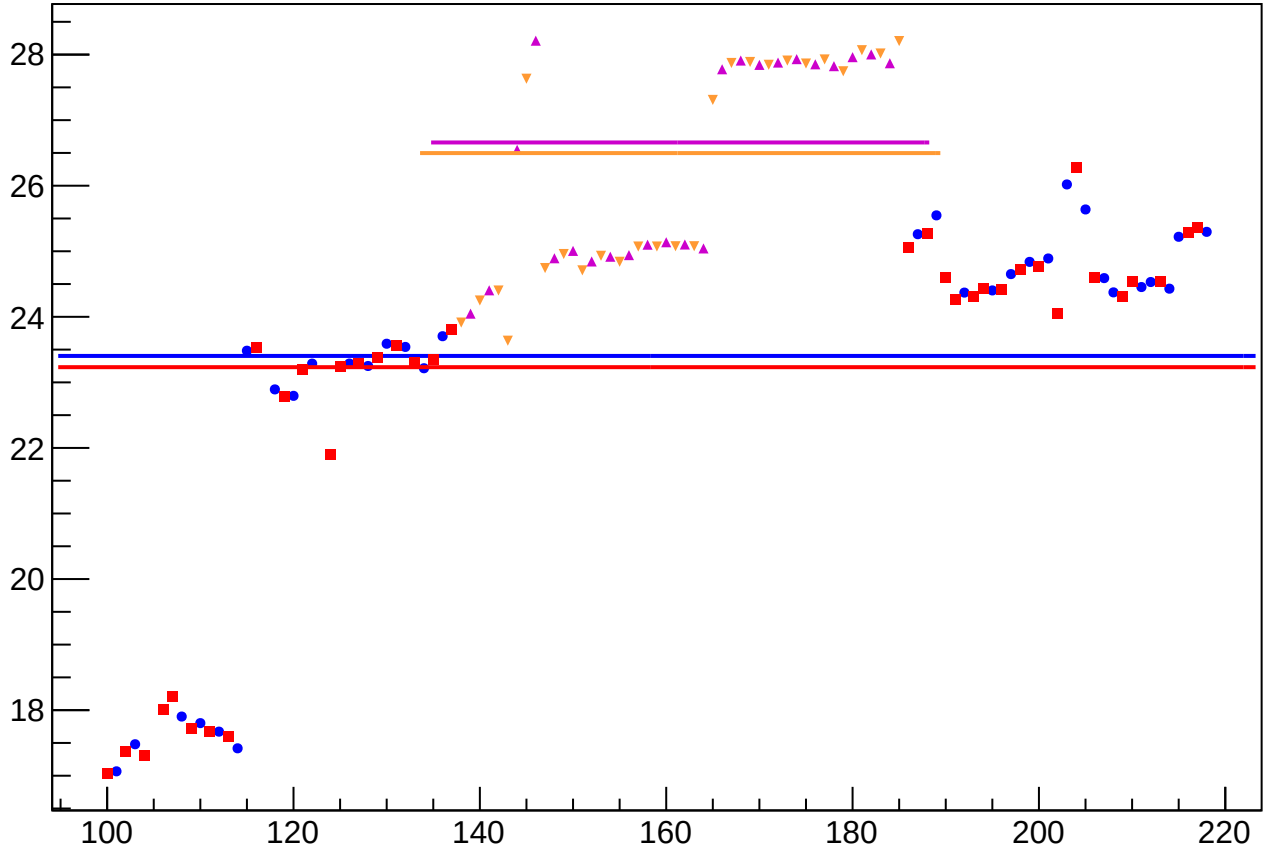
Right: 0.013+/-0.000 χ^2/NDF: 6648071.7/67

In: 0.011+/-0.000 χ^2/NDF:4090595.0/54

Out: 0.011+/-0.000 χ^2/NDF:5461900.8/60

All: 0.011+/-0.000 χ^2/NDF: 9554236.6/115

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: 23.232+/-0.000 χ^2/NDF: 1865989388.6/35

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

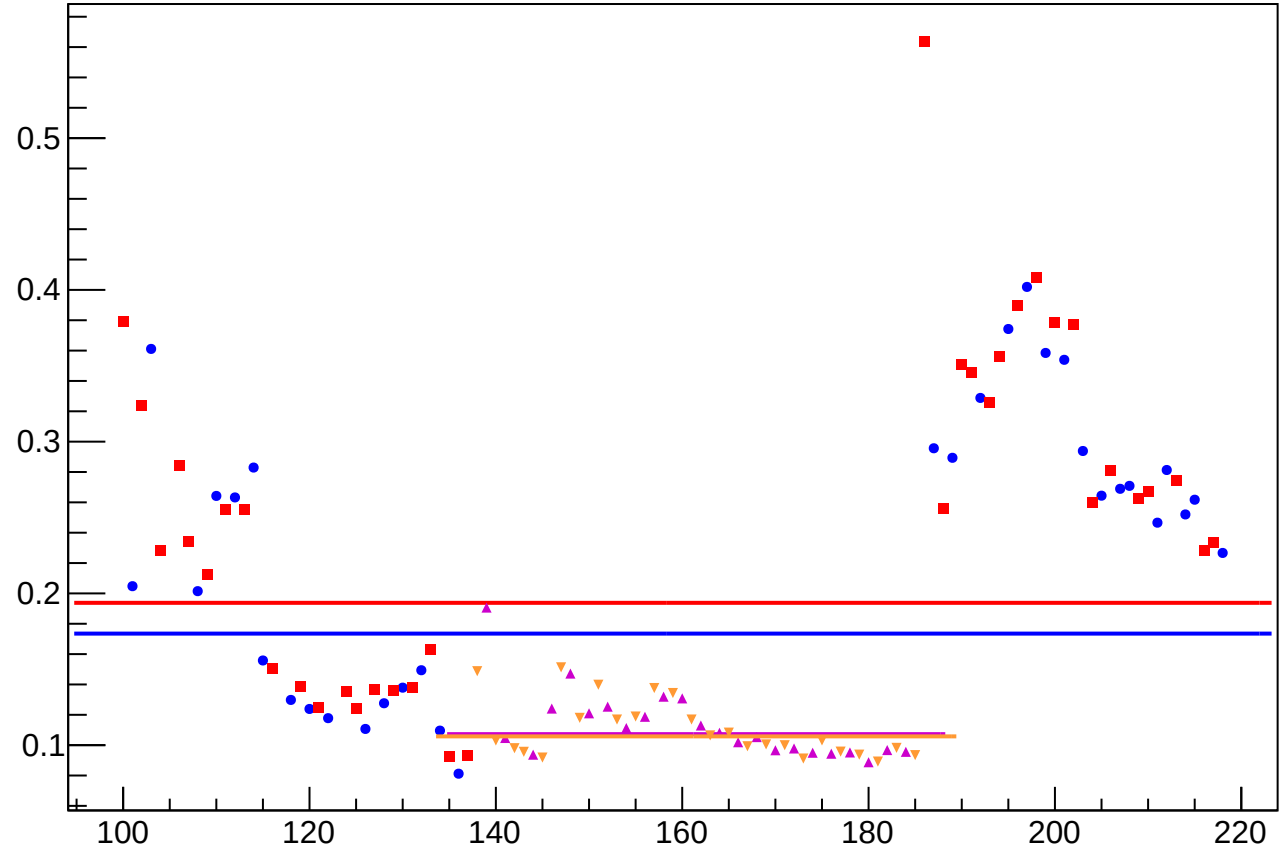
Right: 23.324+/-0.000 χ^2/NDF: 3632057403.2/67

In: 25.789+/-0.000 χ^2/NDF:8500760079.2/54

Out: 25.770+/-0.000 χ^2/NDF:9298460852.6/60

All: 25.780+/-0.000 χ^2/NDF: 17799562574.4

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: 0.194+/-0.000 χ^2/NDF: 6752061.9/35

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

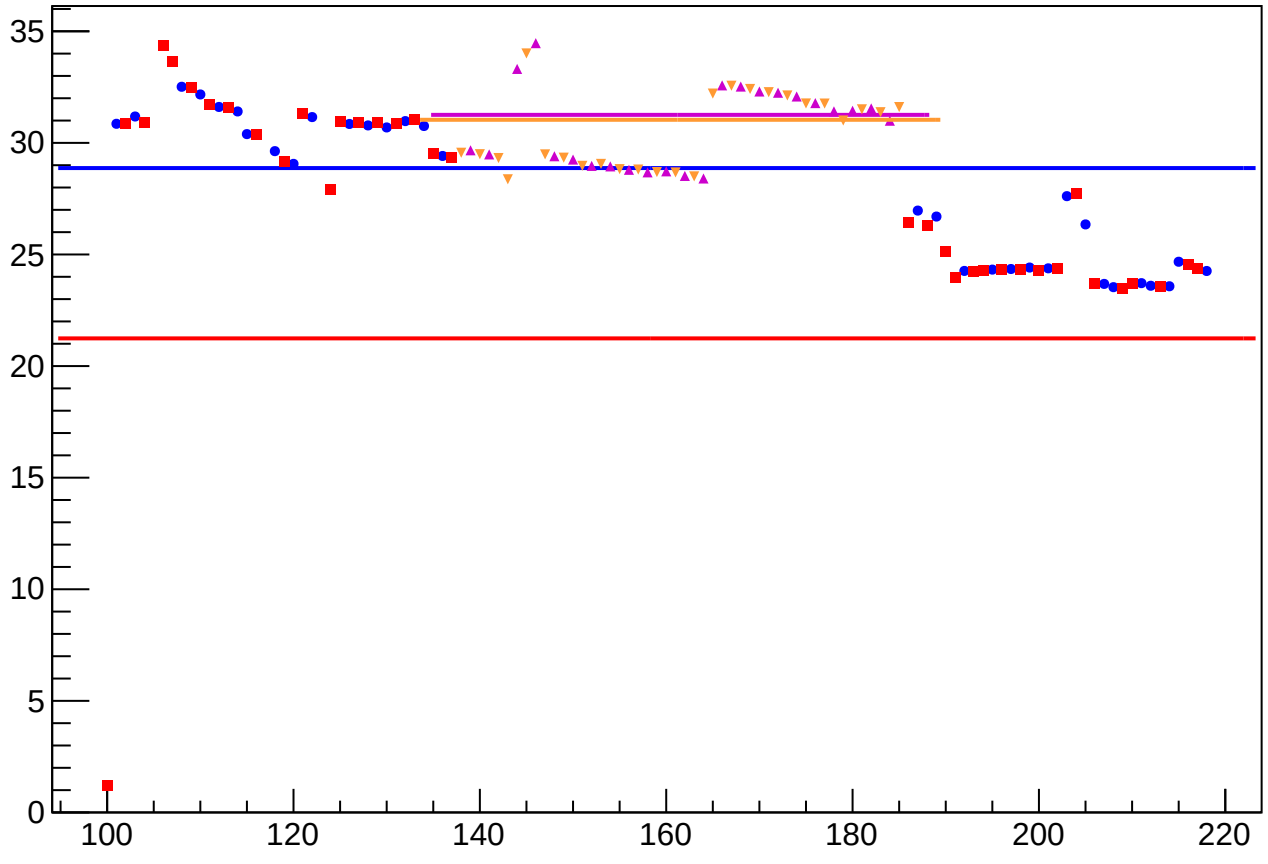
Right: 0.183+/-0.000 χ^2/NDF: 14621391.9/67

In: 0.125+/-0.000 χ^2/NDF:11731842.6/54

Out: 0.125+/-0.000 χ^2/NDF:12625188.5/60

All: 0.125+/-0.000 χ^2/NDF: 24357360.8/115

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: 21.240+/-0.000 χ^2/NDF: 226850244848.2/35

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

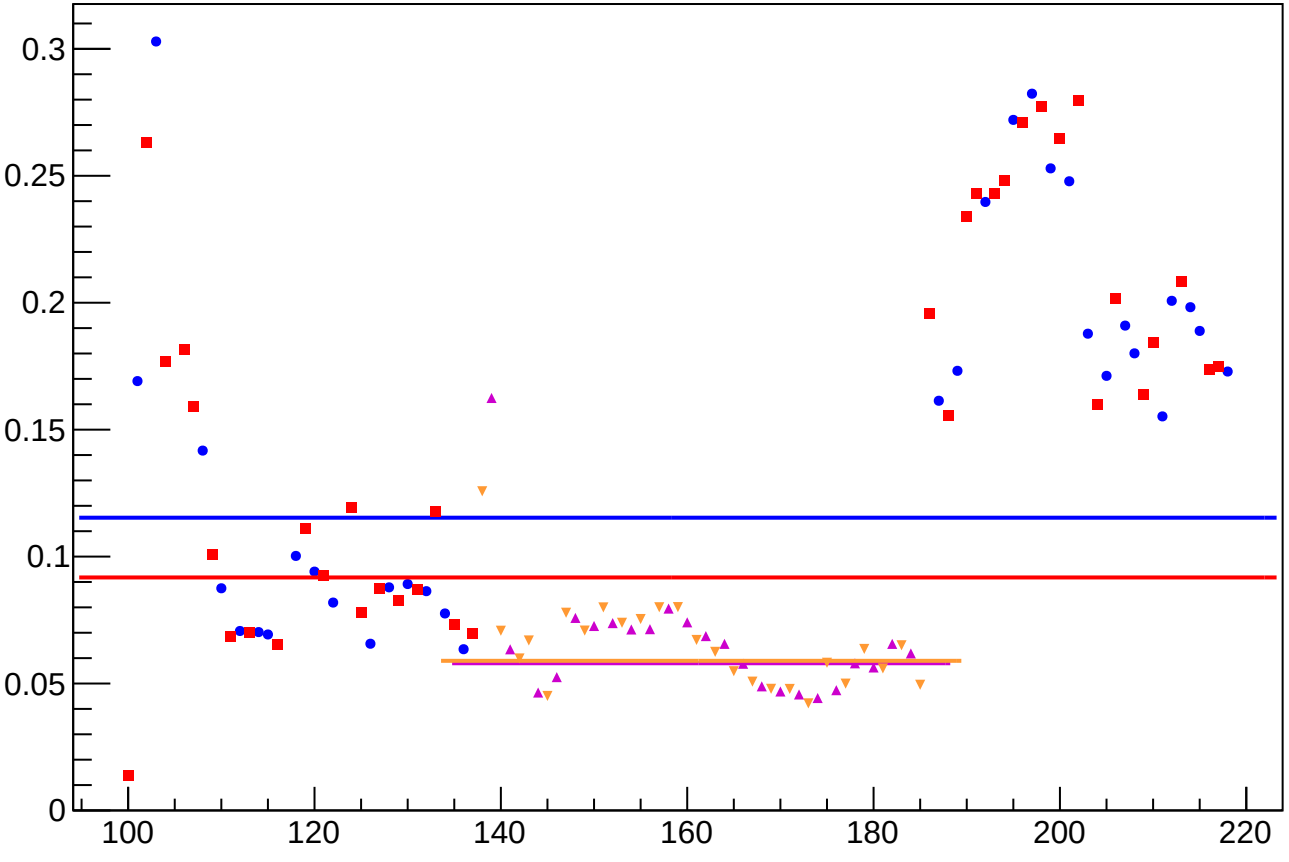
Right: 24.580+/-0.000 χ^2/NDF: 271559814208.5/67

In: 30.757+/-0.000 χ^2/NDF:26497889656.4/54

Out: 28.621+/-0.000 χ^2/NDF:340024865192.2/60

All: 29.643+/-0.000 χ^2/NDF: 378941609446.

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: 0.092+/-0.000 χ^2/NDF: 14125904.1/35

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

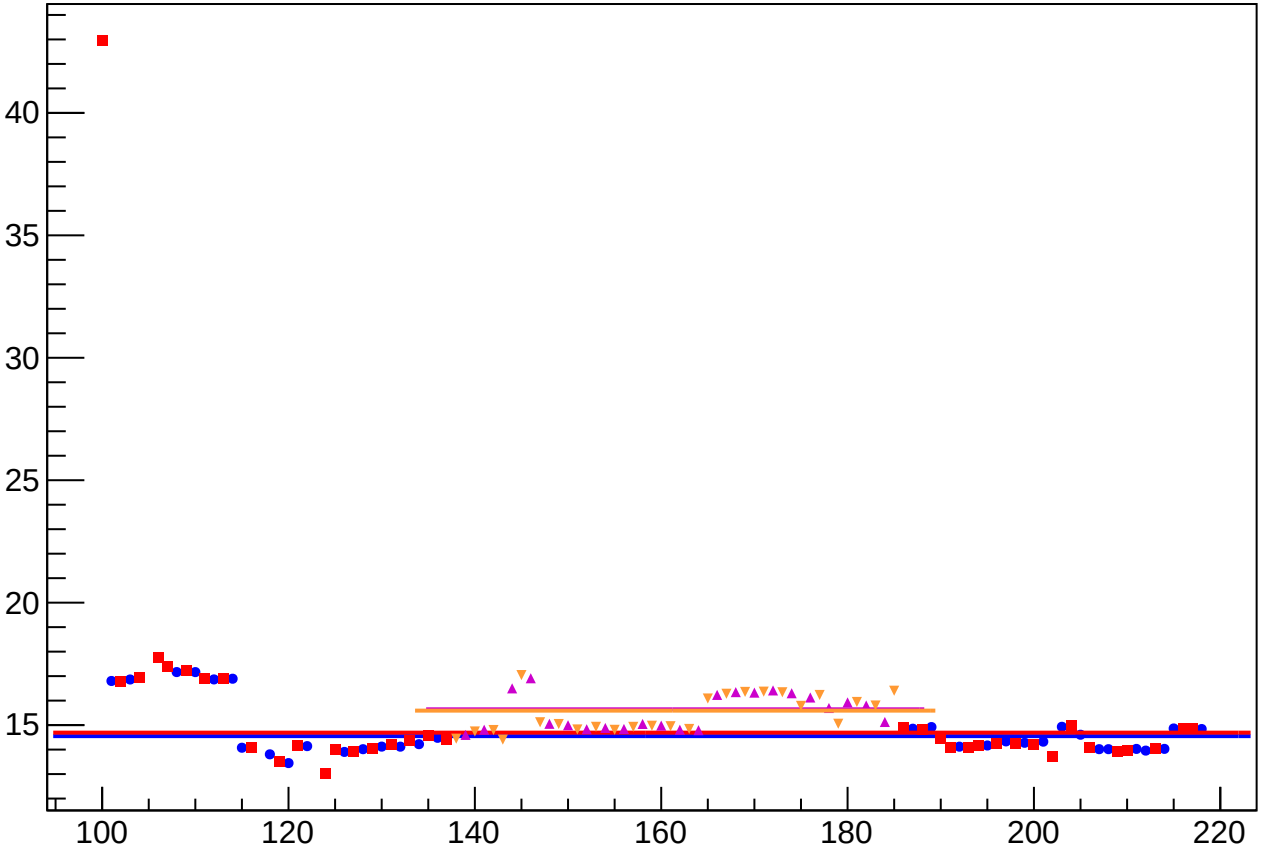
Right: 0.102+/-0.000 χ^2/NDF: 22547185.0/67

In: 0.070+/-0.000 χ^2/NDF:15127623.5/54

Out: 0.067+/-0.000 χ^2/NDF:17939049.0/60

All: 0.068+/-0.000 χ^2/NDF: 33113349.4/115

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: 14.692+/-0.000 χ^2/NDF: 1875949018.1/35

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

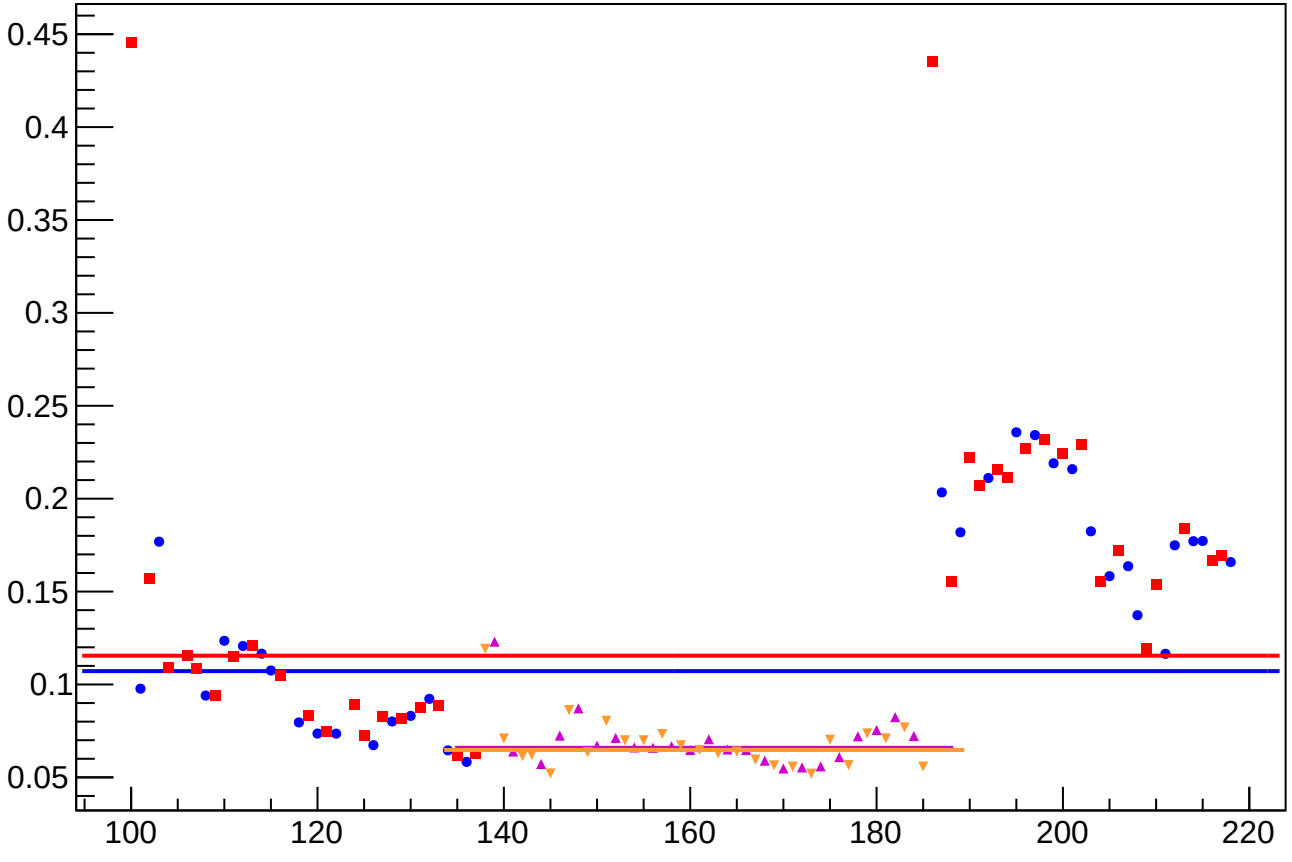
Right: 14.617+/-0.000 χ^2/NDF: 3165306918.1/67

In: 15.345+/-0.000 χ^2/NDF:4310486035.6/54

Out: 15.378+/-0.000 χ^2/NDF:4883039832.5/60

All: 15.362+/-0.000 χ^2/NDF: 9196270765.0/1

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: 0.115+/-0.000 χ^2/NDF: 6271835.0/35

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

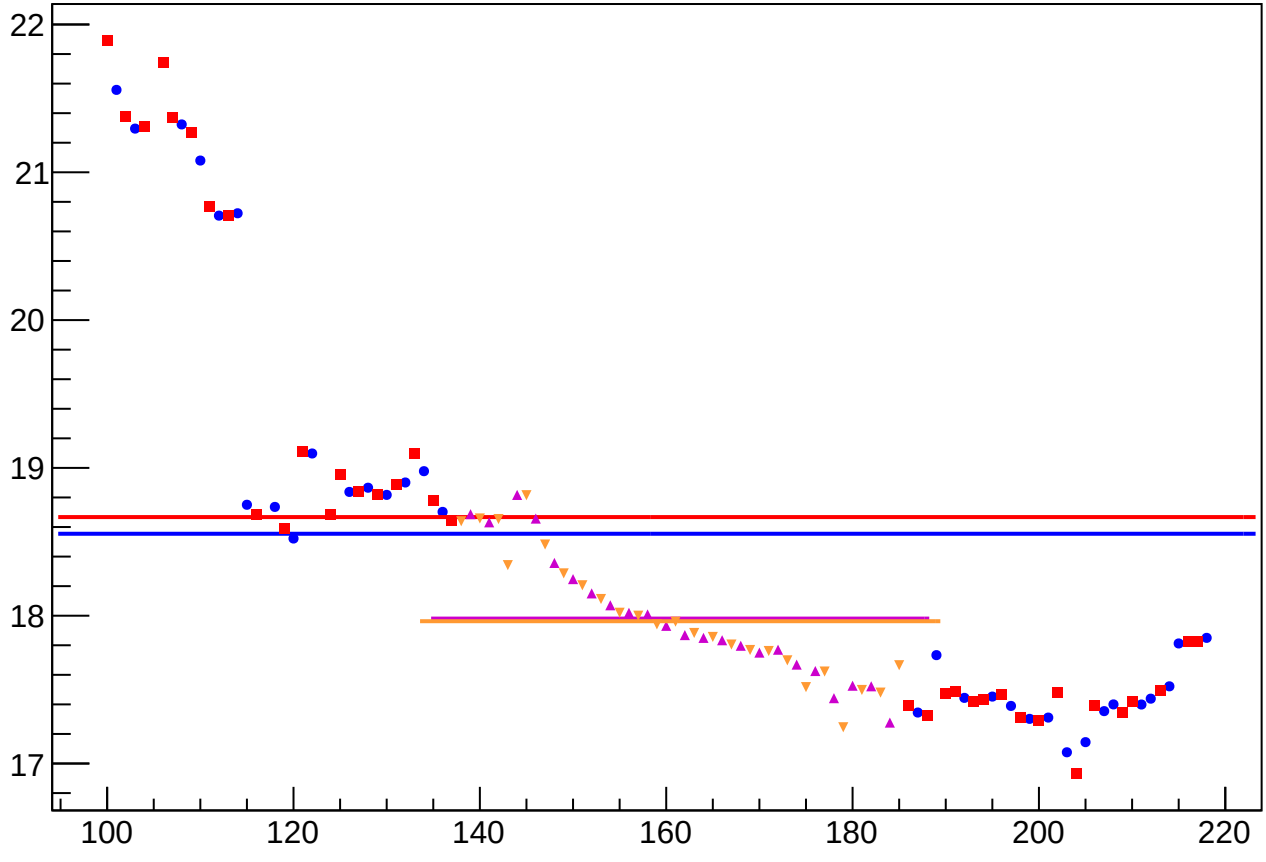
Right: 0.111+/-0.000 χ^2/NDF: 13069219.7/67

In: 0.077+/-0.000 χ^2/NDF:10838855.1/54

Out: 0.077+/-0.000 χ^2/NDF:11901529.7/60

All: 0.077+/-0.000 χ^2/NDF: 22741222.6/115

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: 18.667+/-0.000 χ^2/NDF: 37998391084.6/35

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

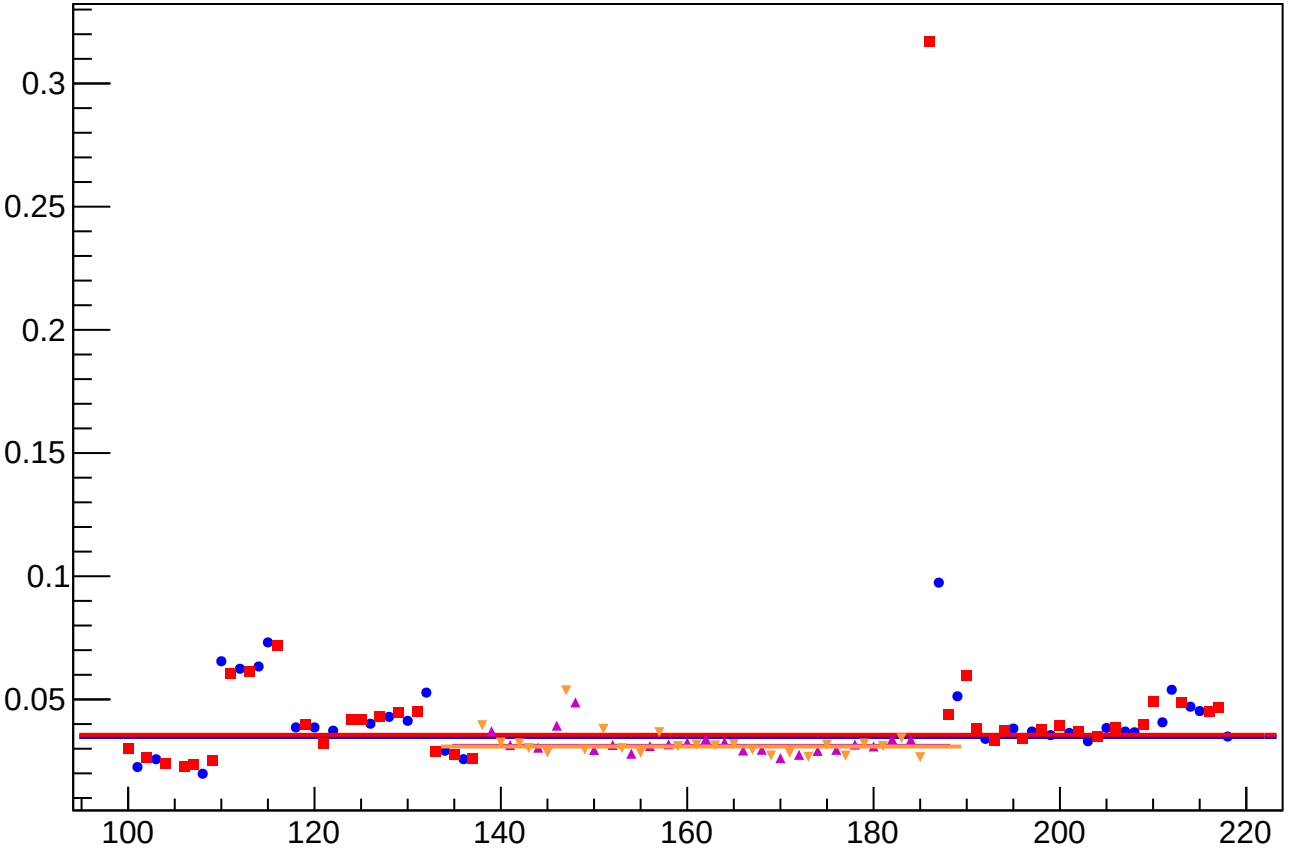
Right: 18.610+/-0.000 χ^2/NDF: 73646157637.9/67

In: 18.240+/-0.000 χ^2/NDF:40936893632.0/54

Out: 18.263+/-0.000 χ^2/NDF:45102298529.9/60

All: 18.252+/-0.000 χ^2/NDF: 86048219725.0

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: 2745350.1/35

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

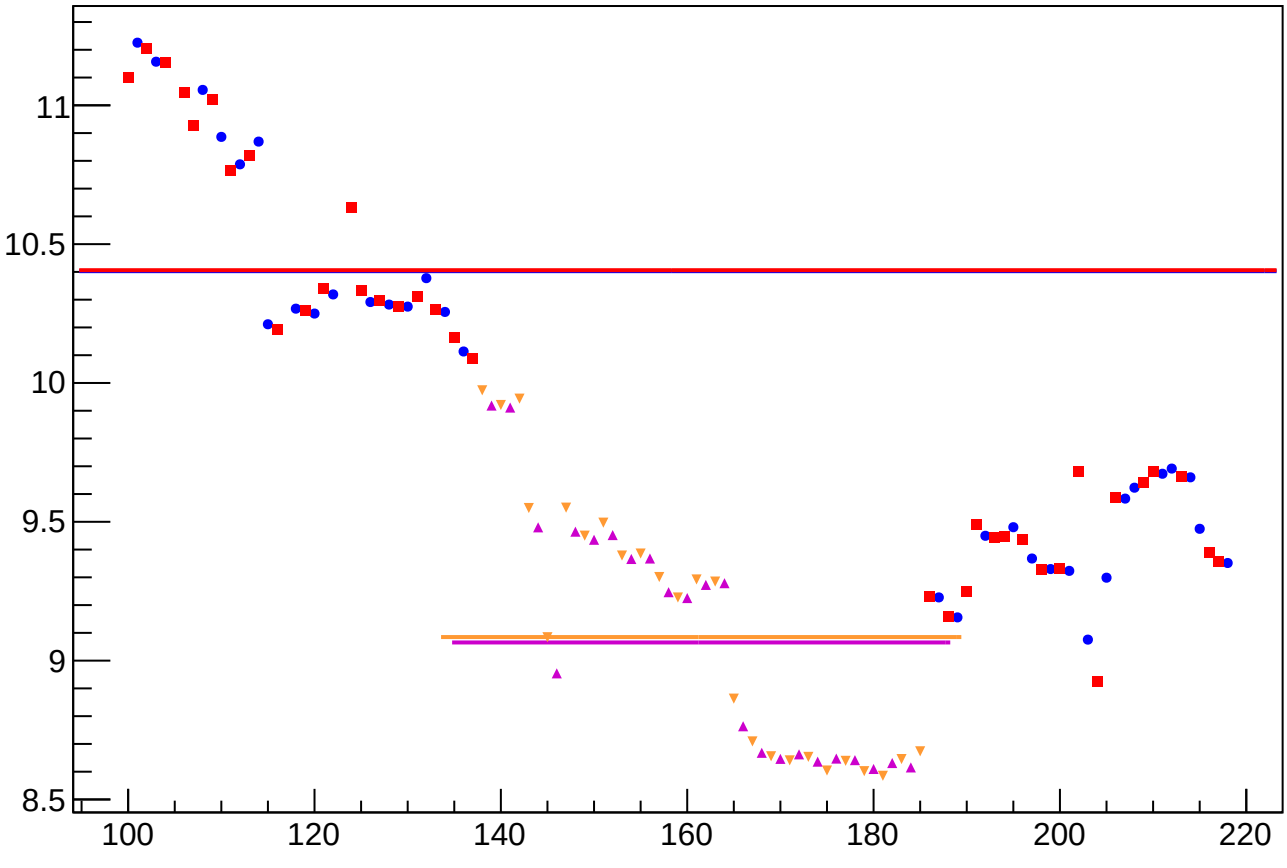
Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

Right: 0.035+/-0.000 χ^2/NDF: 5216331.1/67

In: 0.033+/-0.000 χ^2/NDF:3156450.4/54

Out: 0.033+/-0.000 χ^2/NDF:3749846.7/60

All: 0.033+/-0.000 χ^2/NDF: 6906944.6/115



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: 10.406+/-0.000 χ^2/NDF: 16329737412.3/35

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

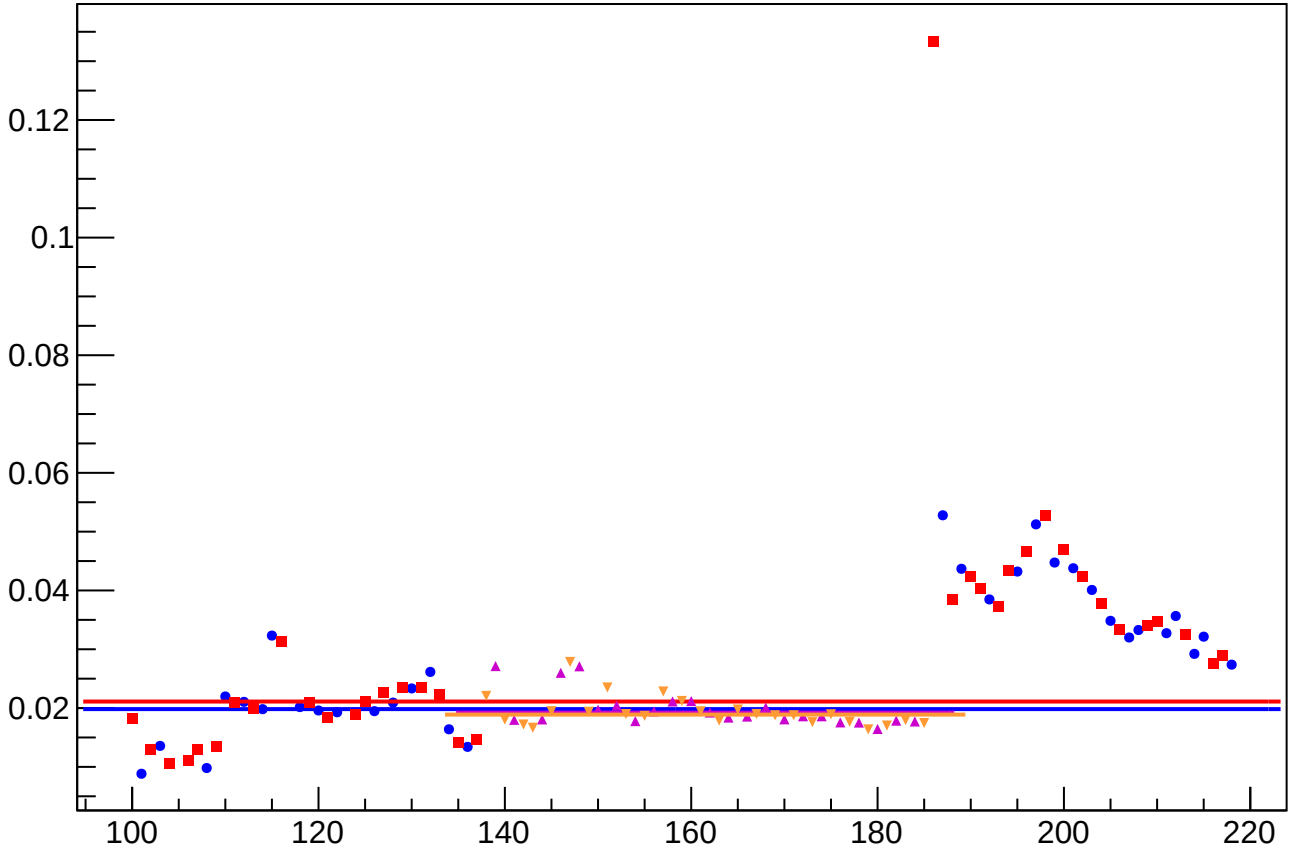
Right: 10.404+/-0.000 χ^2/NDF: 34128882598.1/67

In: 9.674+/-0.000 χ^2/NDF:62304477119.6/54

Out: 9.631+/-0.000 χ^2/NDF:62064133466.9/60

All: 9.652+/-0.000 χ^2/NDF: 124446549345.4

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: 8142852.6/35

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

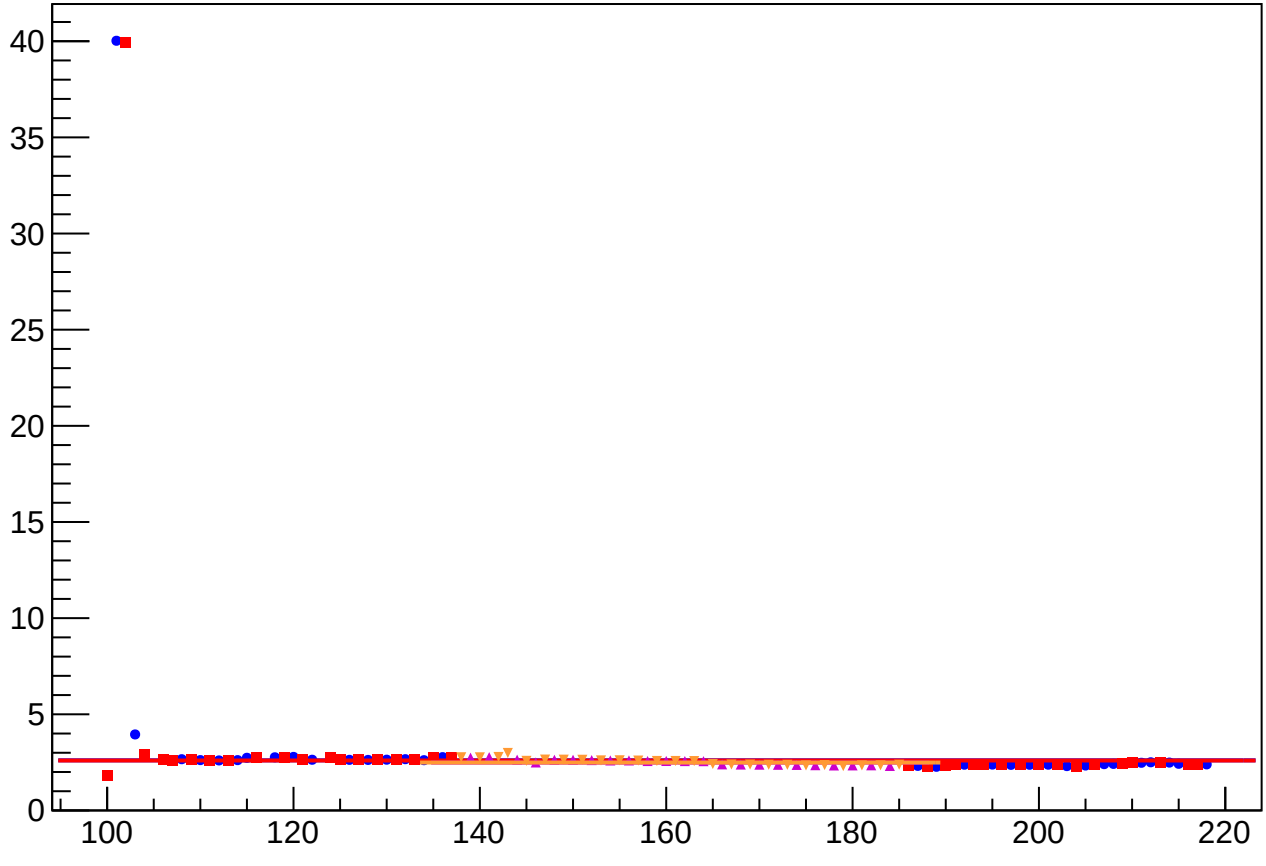
Right: 0.020+/-0.000 χ^2/NDF: 16756693.1/67

In: 0.020+/-0.000 χ^2/NDF:9109596.7/54

Out: 0.020+/-0.000 χ^2/NDF:8784125.2/60

All: 0.020+/-0.000 χ^2/NDF: 17901614.2/115

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: 2.598+/-0.000 χ^2/NDF: 88461042067.8/35

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

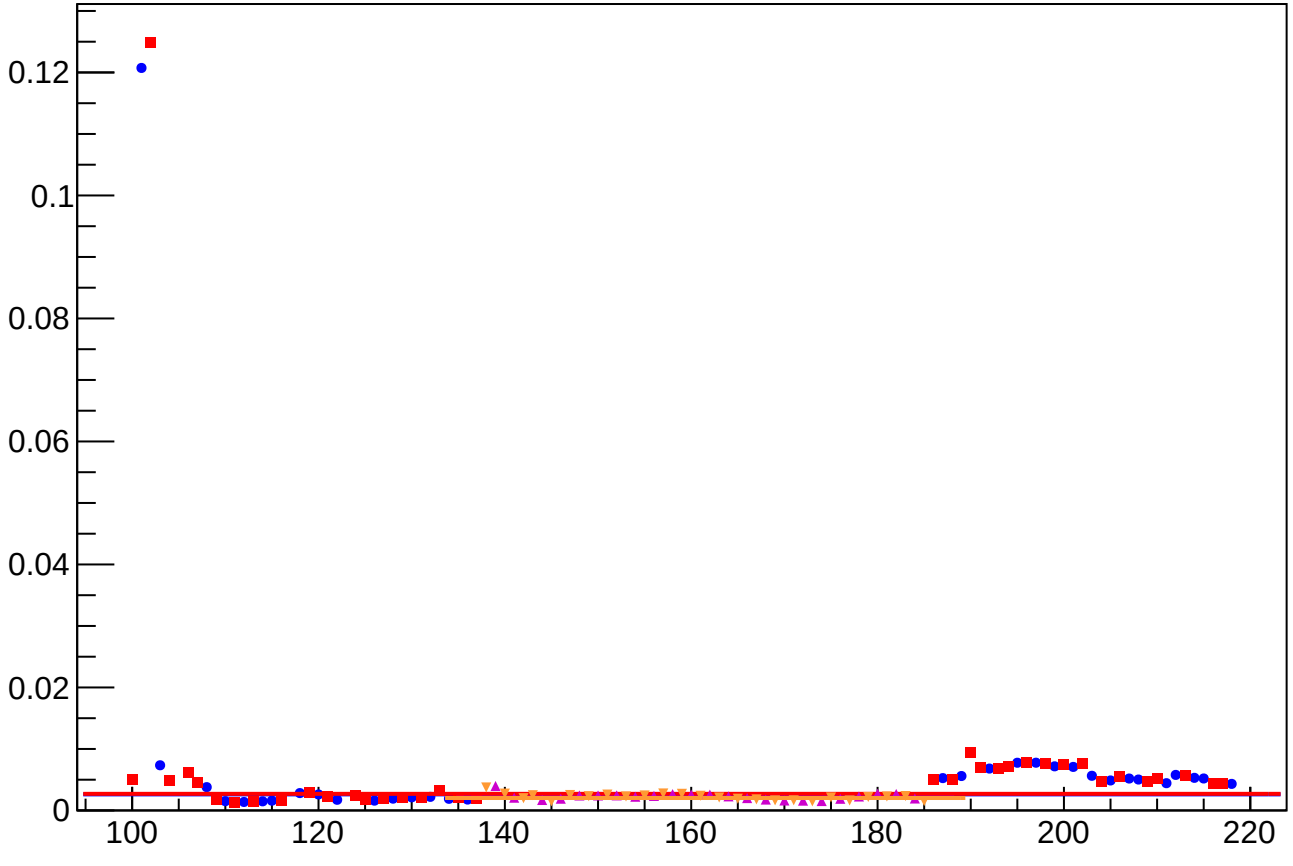
Right: 2.602+/-0.000 χ^2/NDF: 179298278893.2/67

In: 2.530+/-0.000 χ^2/NDF:168789836714.7/54

Out: 2.526+/-0.000 χ^2/NDF:194619428555.5/60

All: 2.528+/-0.000 χ^2/NDF: 363457878874.7

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: 11862276.5/35

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

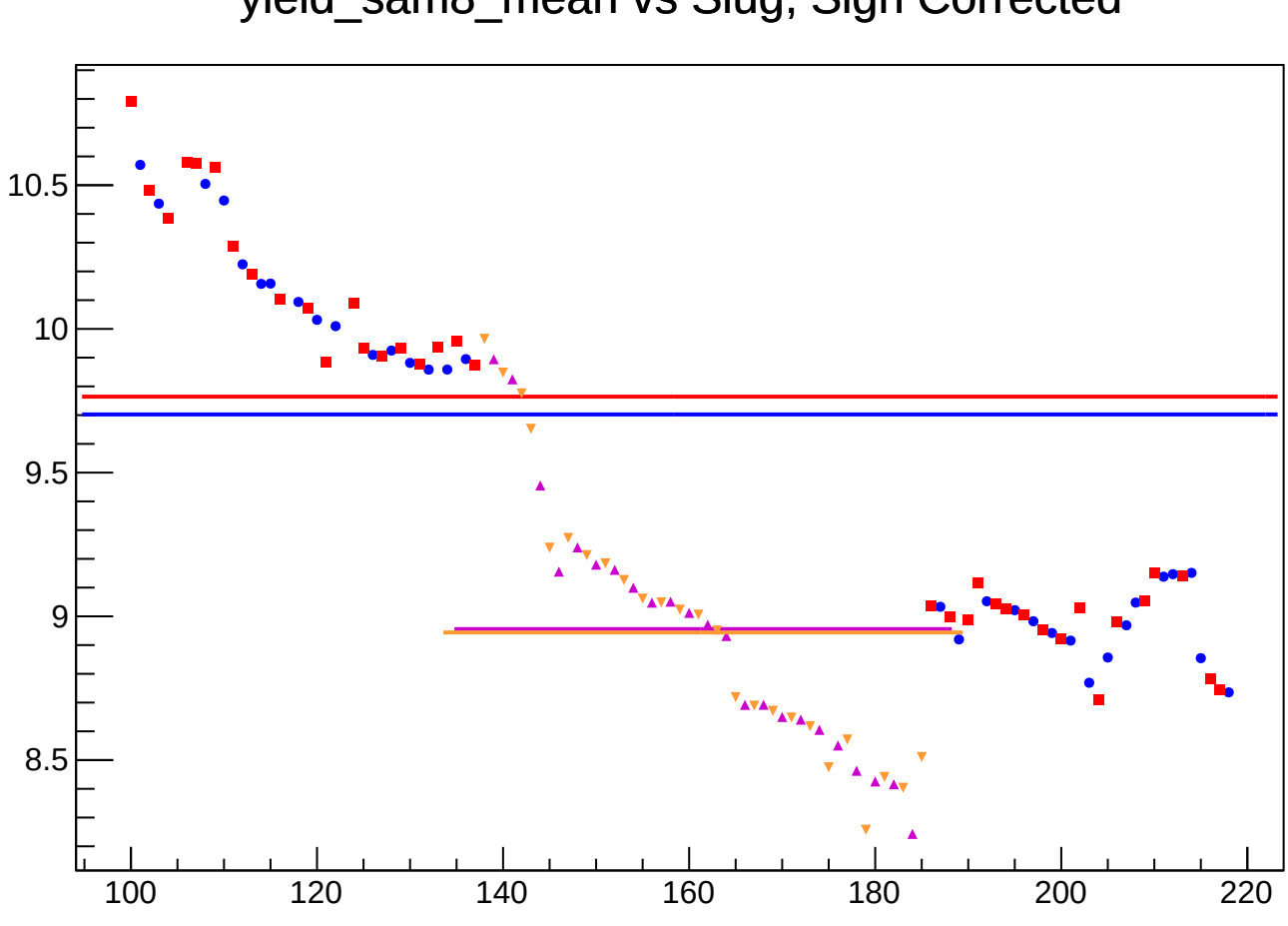
Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

Right: 0.003+/-0.000 χ^2/NDF: 22959655.4/67

In: 0.002+/-0.000 χ^2/NDF:13201926.2/54

Out: 0.002+/-0.000 χ^2/NDF:14537999.4/60

All: 0.002+/-0.000 χ^2/NDF: 27740976.1/115



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: 9.764+/-0.000 χ^2/NDF: 109313727088.5/35

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

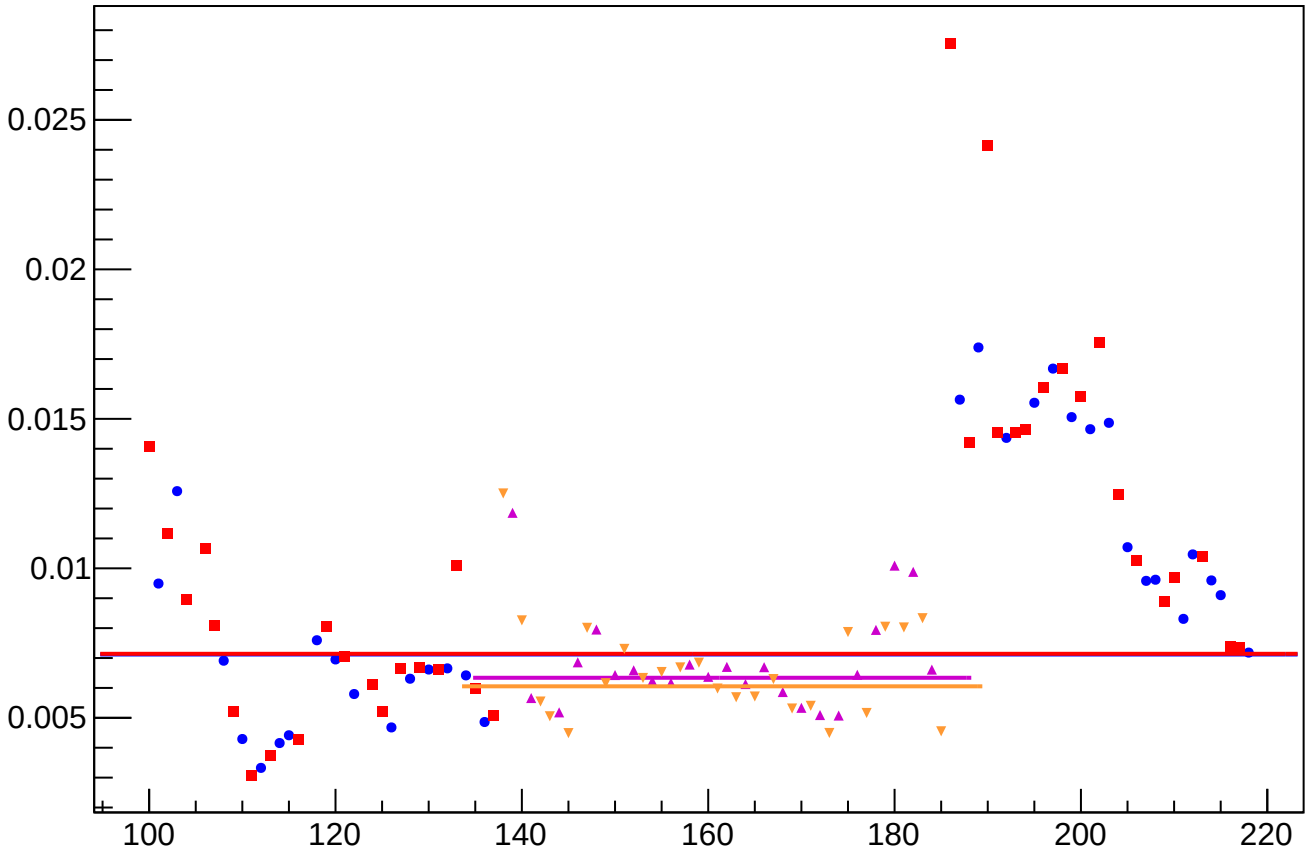
Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

Right: 9.733+/-0.000 χ^2/NDF: 210618419516.5/67

In: 9.293+/-0.000 χ^2/NDF:243589976690.0/54

Out: 9.283+/-0.000 χ^2/NDF:291190021581.7/60

All: 9.288+/-0.000 χ^2/NDF: 534811842558.3



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: 8344586.0/35

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

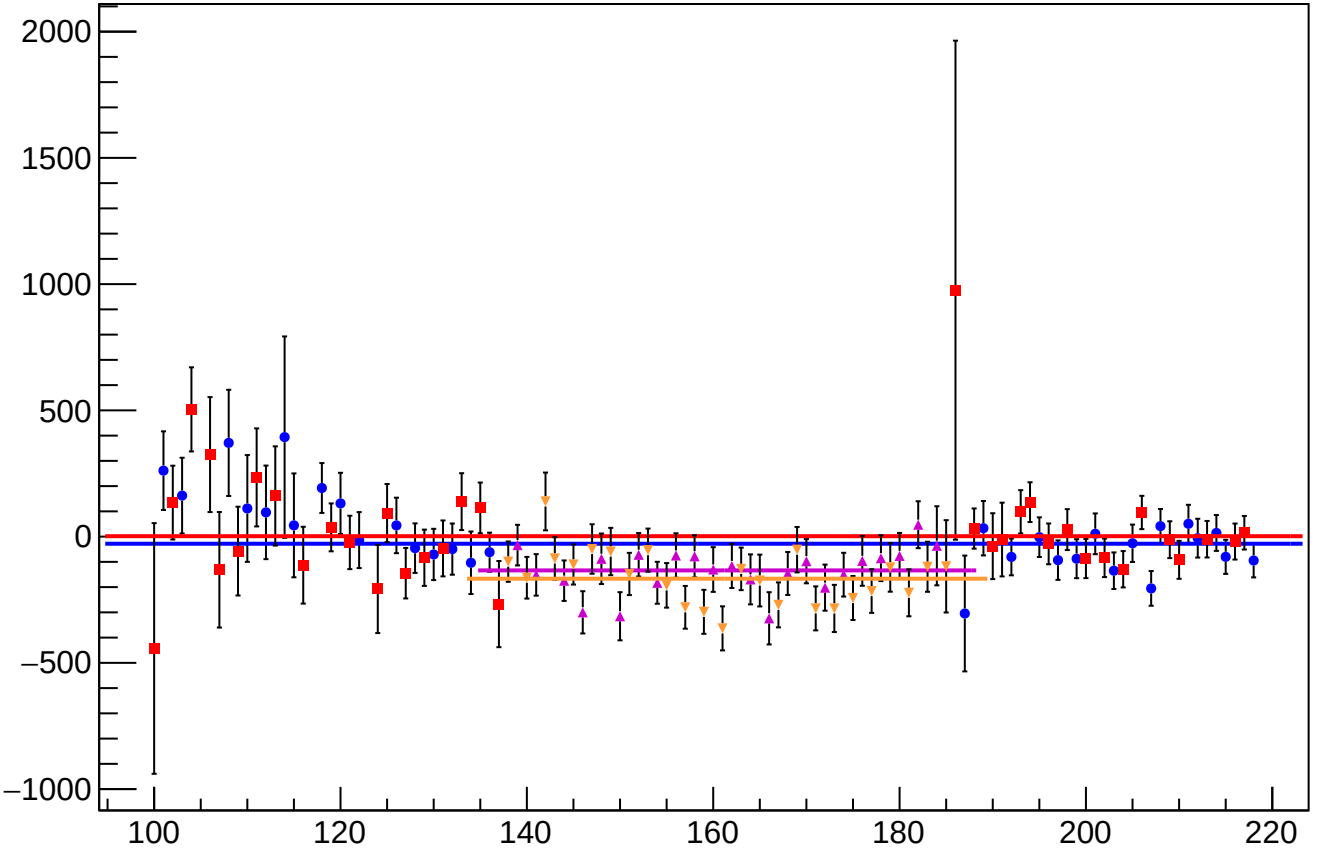
Right: 0.007+/-0.000 χ^2/NDF: 15043773.6/67

In: 0.007+/-0.000 χ^2/NDF:8072841.0/54

Out: 0.007+/-0.000 χ^2/NDF:10213366.7/60

All: 0.007+/-0.000 χ^2/NDF: 18310330.3/115

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: 1.642+/-16.565 χ^2/NDF: 41.5/35

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

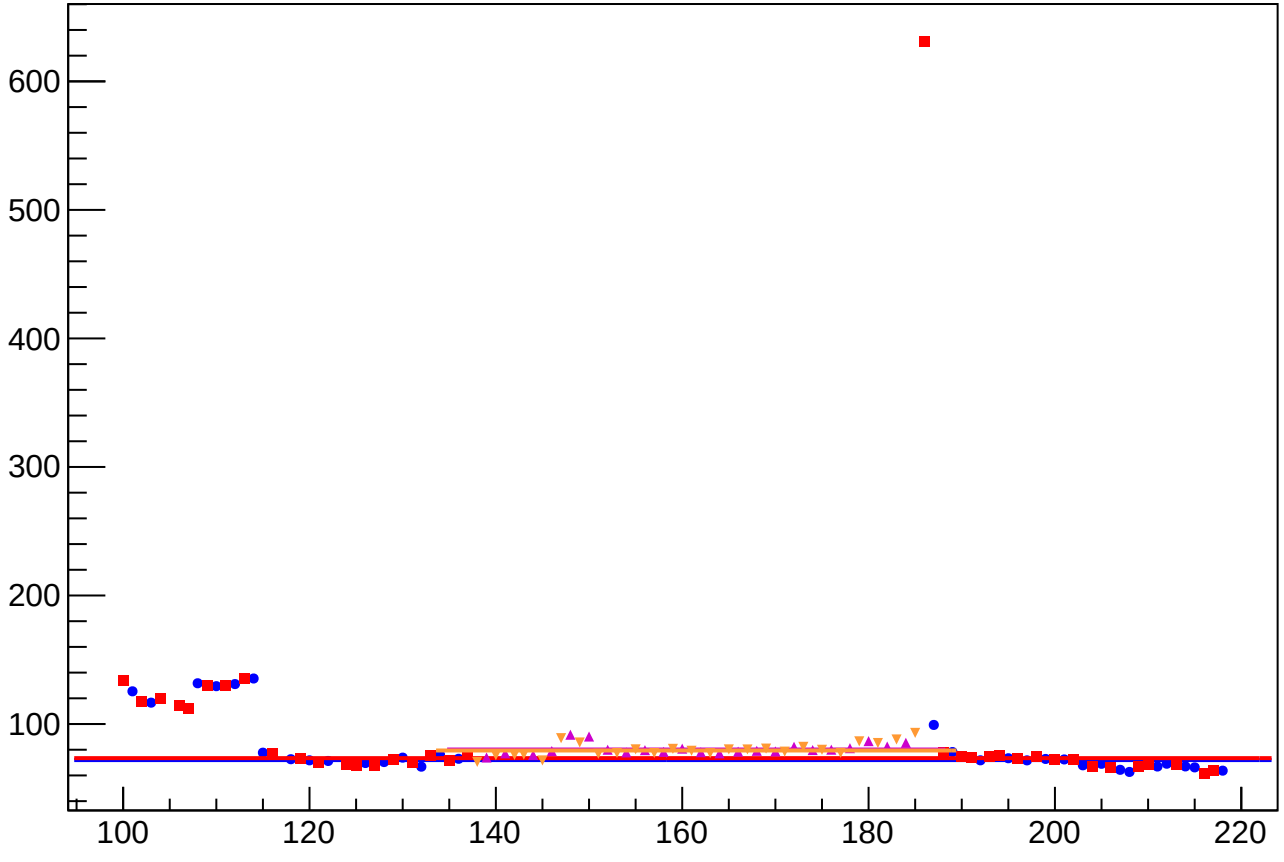
Right: -13.568+/-11.602 χ^2/NDF: 78.9/67

In: -73.519+/-12.283 χ^2/NDF:74.6/54

Out: -75.176+/-12.213 χ^2/NDF:120.3/60

All: -74.353+/-8.661 χ^2/NDF: 194.9/115

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: 73.458+/-0.012 χ^2/NDF: 1905266.7/35

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

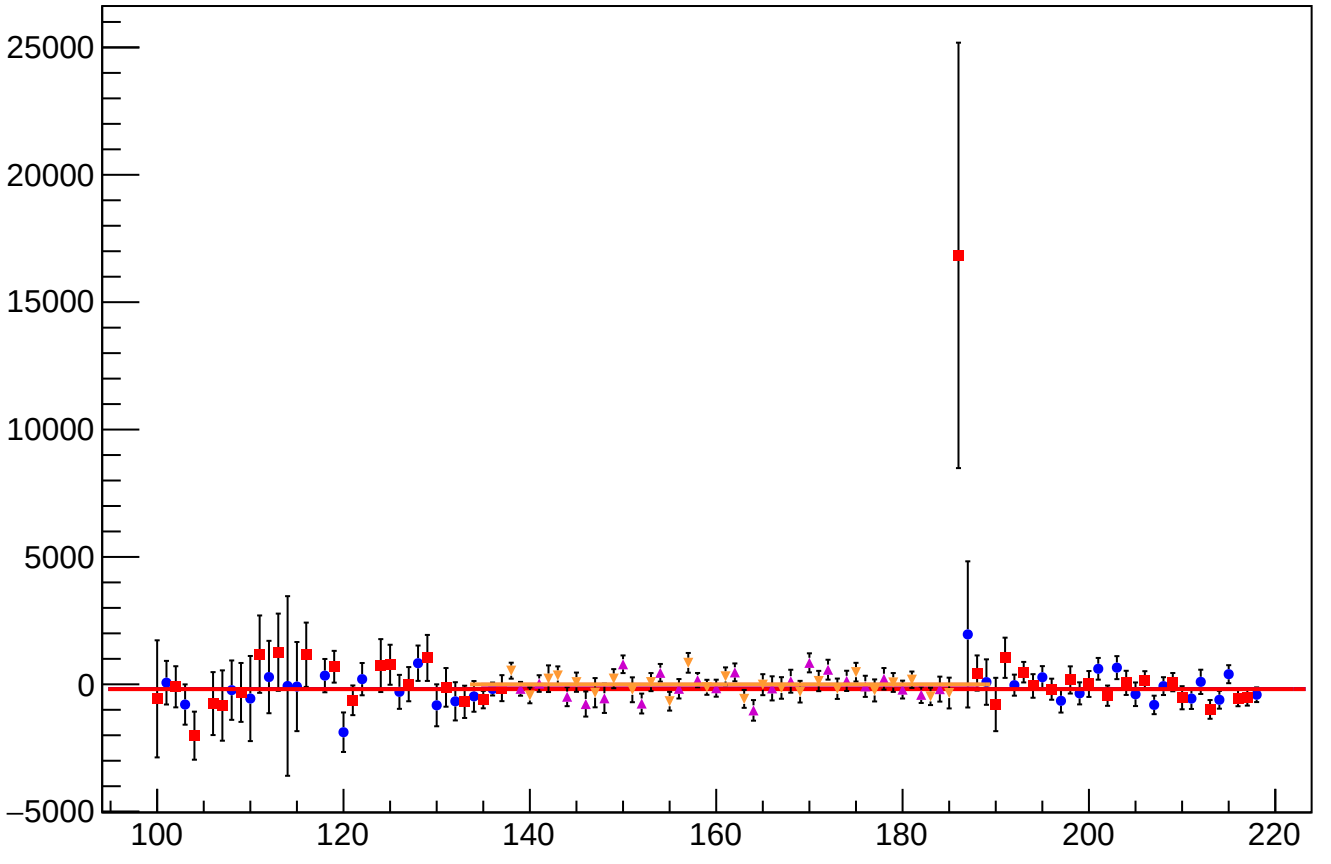
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 72.686+/-0.008 χ^2/NDF: 3075280.1/67

In: 75.467+/-0.009 χ^2/NDF:1472186.0/54

Out: 76.175+/-0.009 χ^2/NDF:2157918.3/60

All: 75.823+/-0.006 χ^2/NDF: 3633437.0/115



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: -188.556+/-90.857 χ^2/NDF: 36.8/35

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

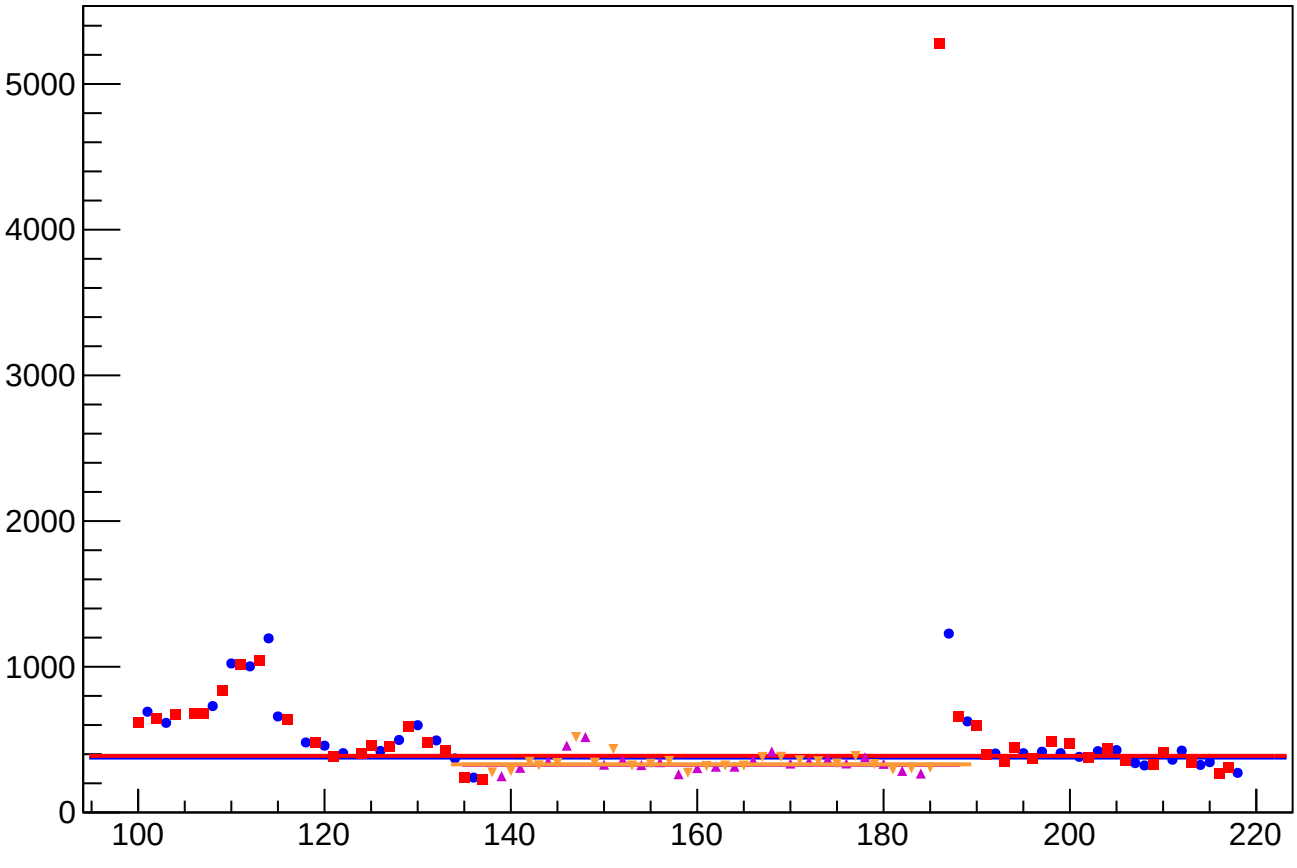
Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

Right: -186.079+/-63.188 χ^2/NDF: 66.1/67

In: -91.237+/-58.159 χ^2/NDF:66.3/54

Out: -79.503+/-58.232 χ^2/NDF:63.3/60

All: -85.378+/-41.151 χ^2/NDF: 129.6/115



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: 388.589+/-0.064 χ^2/NDF: 4253637.3/35

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

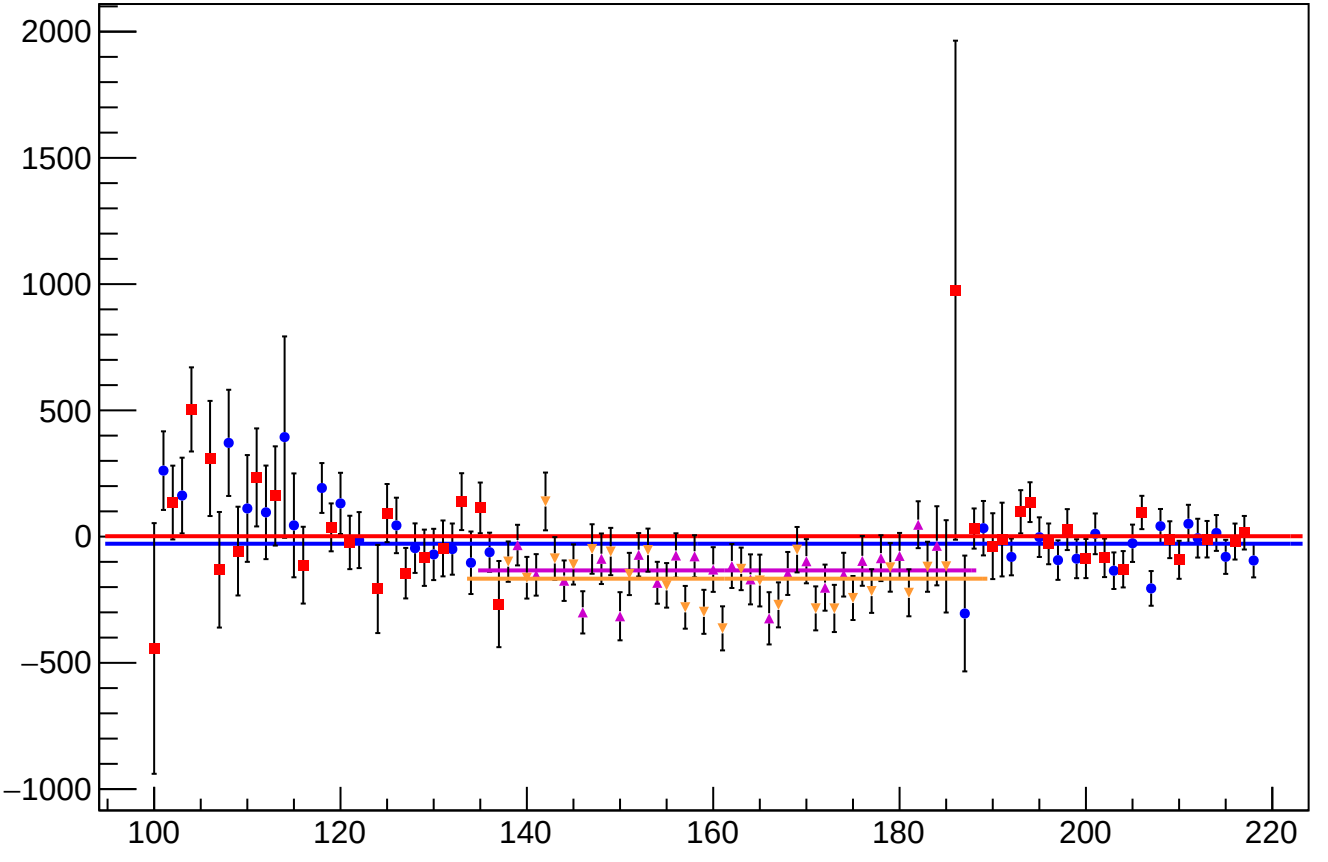
Right: 382.460+/-0.045 χ^2/NDF: 7515408.2/67

In: 348.728+/-0.041 χ^2/NDF:4503688.2/54

Out: 354.049+/-0.041 χ^2/NDF:5403444.4/60

All: 351.385+/-0.029 χ^2/NDF: 9915492.0/115

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: 1.555+/-16.565 χ^2/NDF: 41.3/35

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

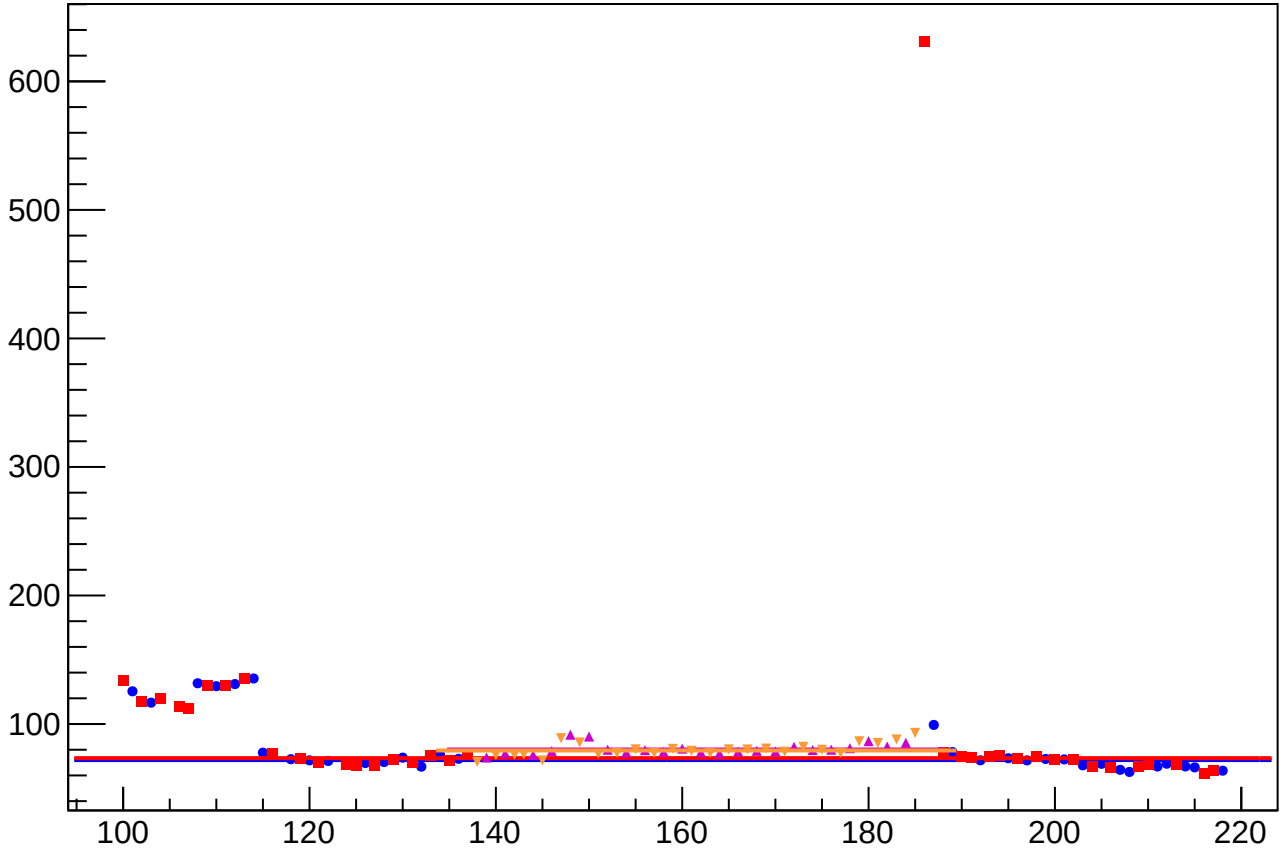
Right: -13.611+/-11.602 χ^2/NDF: 78.7/67

In: -73.523+/-12.283 χ^2/NDF:74.6/54

Out: -75.224+/-12.214 χ^2/NDF:120.1/60

All: -74.378+/-8.661 χ^2/NDF: 194.6/115

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: 73.454+/-0.012 χ^2/NDF: 1902854.8/35

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

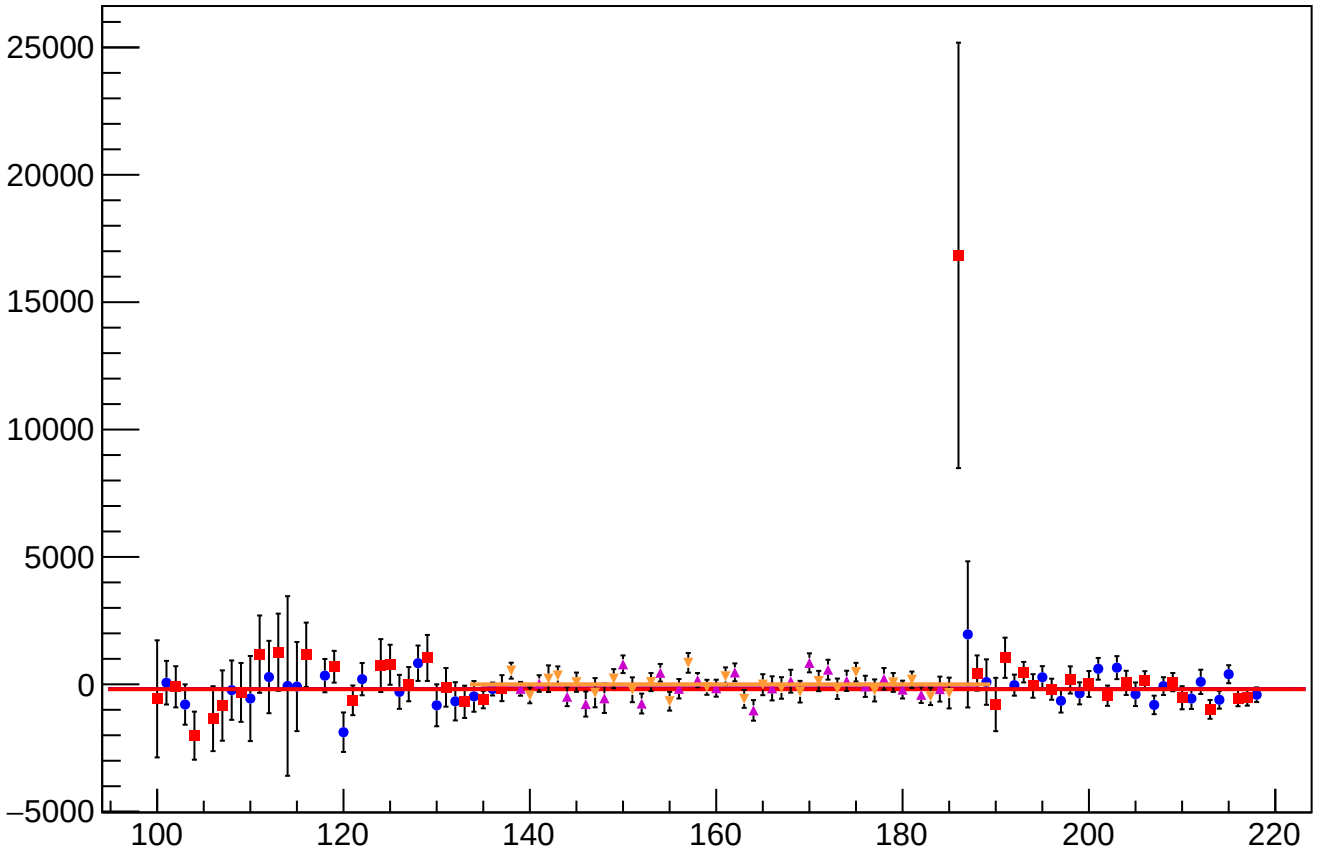
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 72.684+/-0.008 χ^2/NDF: 3072818.7/67

In: 75.467+/-0.009 χ^2/NDF:1472186.2/54

Out: 76.172+/-0.009 χ^2/NDF:2155680.6/60

All: 75.822+/-0.006 χ^2/NDF: 3631177.2/115



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: -191.385+/-90.871 χ^2/NDF: 37.4/35

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

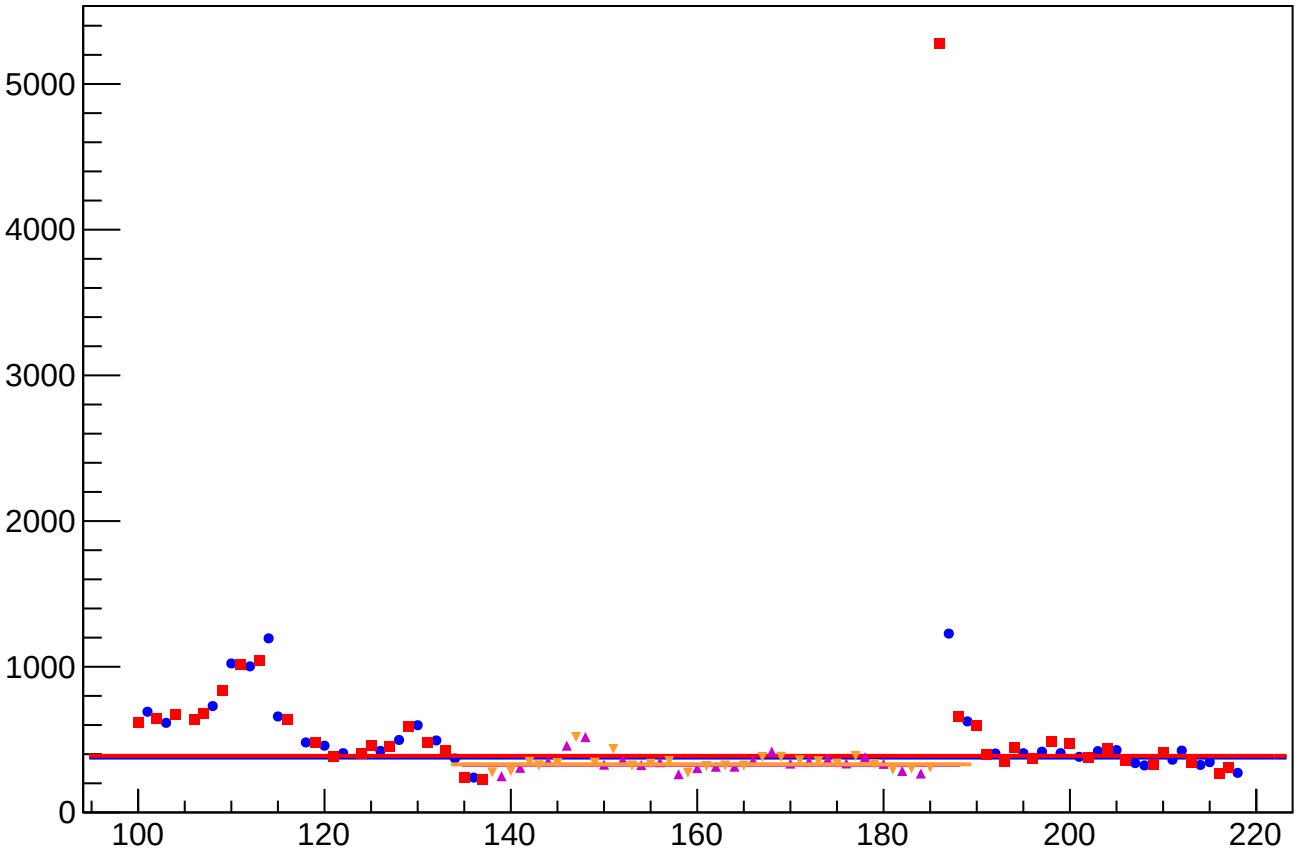
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -187.449+/-63.192 χ^2/NDF: 66.7/67

In: -91.243+/-58.159 χ^2/NDF:66.3/54

Out: -80.650+/-58.236 χ^2/NDF:64.0/60

All: -85.954+/-41.152 χ^2/NDF: 130.3/115



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: 388.295+/-0.064 χ^2/NDF: 4220702.7/35

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

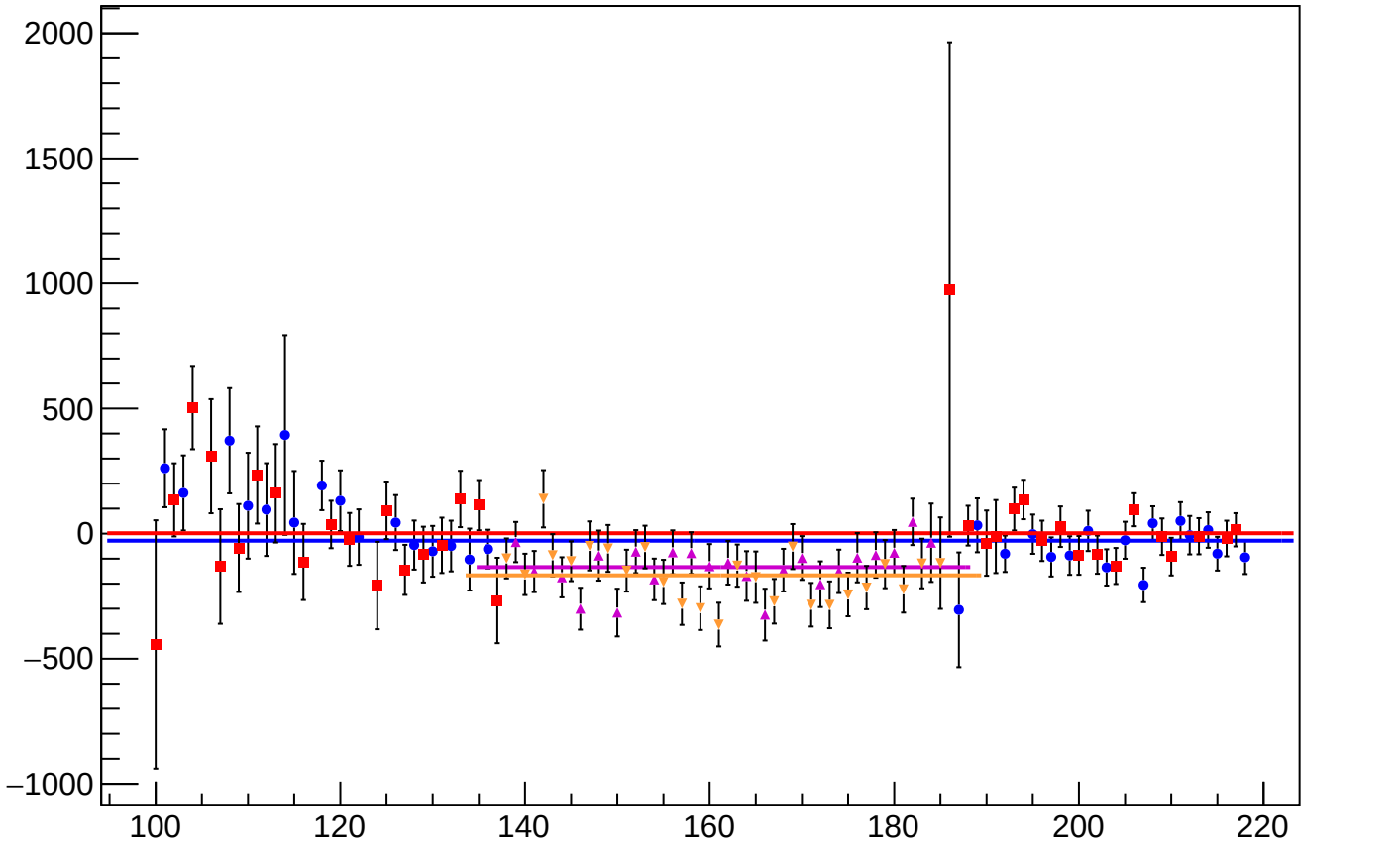
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 382.317+/-0.045 χ^2/NDF: 7481611.2/67

In: 348.728+/-0.041 χ^2/NDF:4503692.9/54

Out: 353.923+/-0.041 χ^2/NDF:5365517.8/60

All: 351.322+/-0.029 χ^2/NDF: 9877180.1/115



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: 1.555+/-16.565 χ^2/NDF: 41.3/35

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

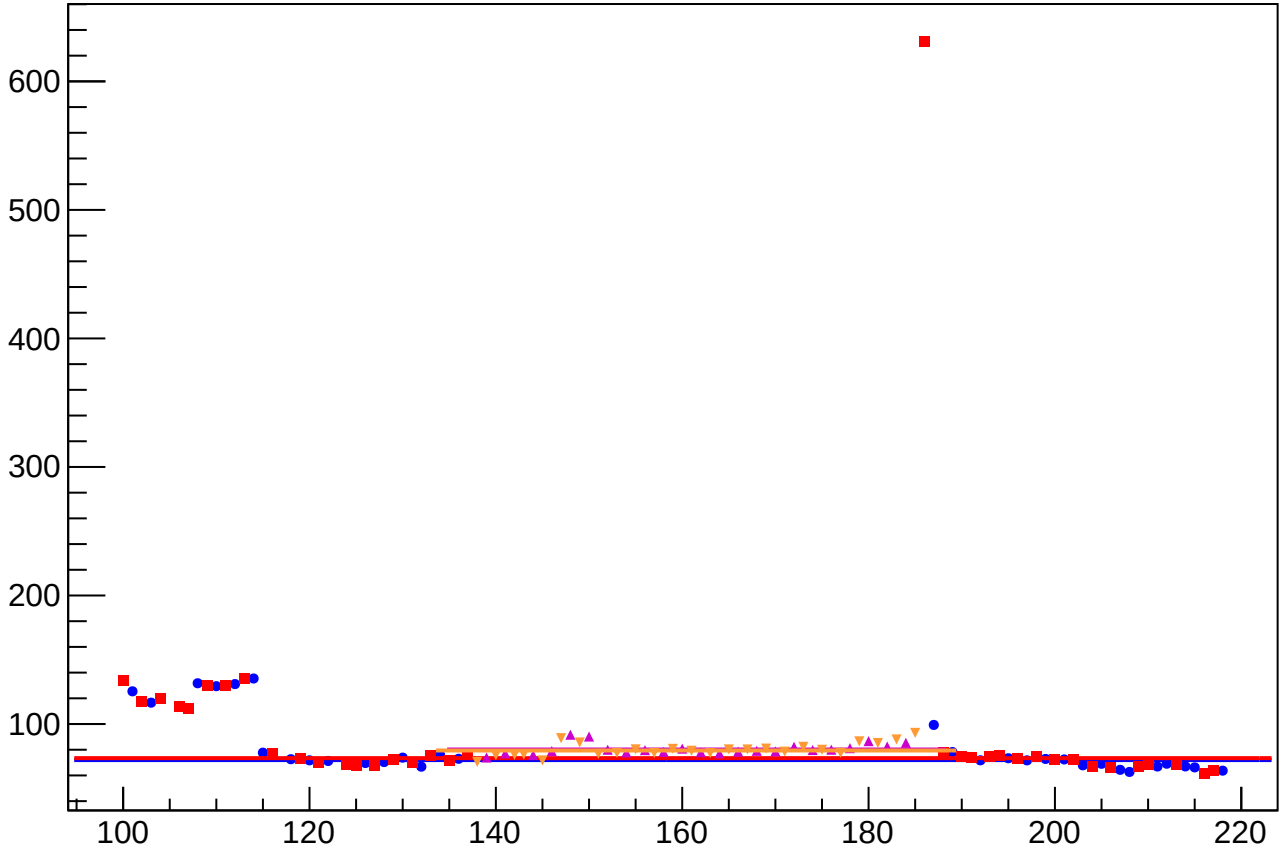
Right: -13.611+/-11.602 χ^2/NDF: 78.7/67

In: -73.523+/-12.283 χ^2/NDF:74.6/54

Out: -75.224+/-12.214 χ^2/NDF:120.1/60

All: -74.378+/-8.661 χ^2/NDF: 194.6/115

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: 73.454+/-0.012 χ^2/NDF: 1902854.8/35

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

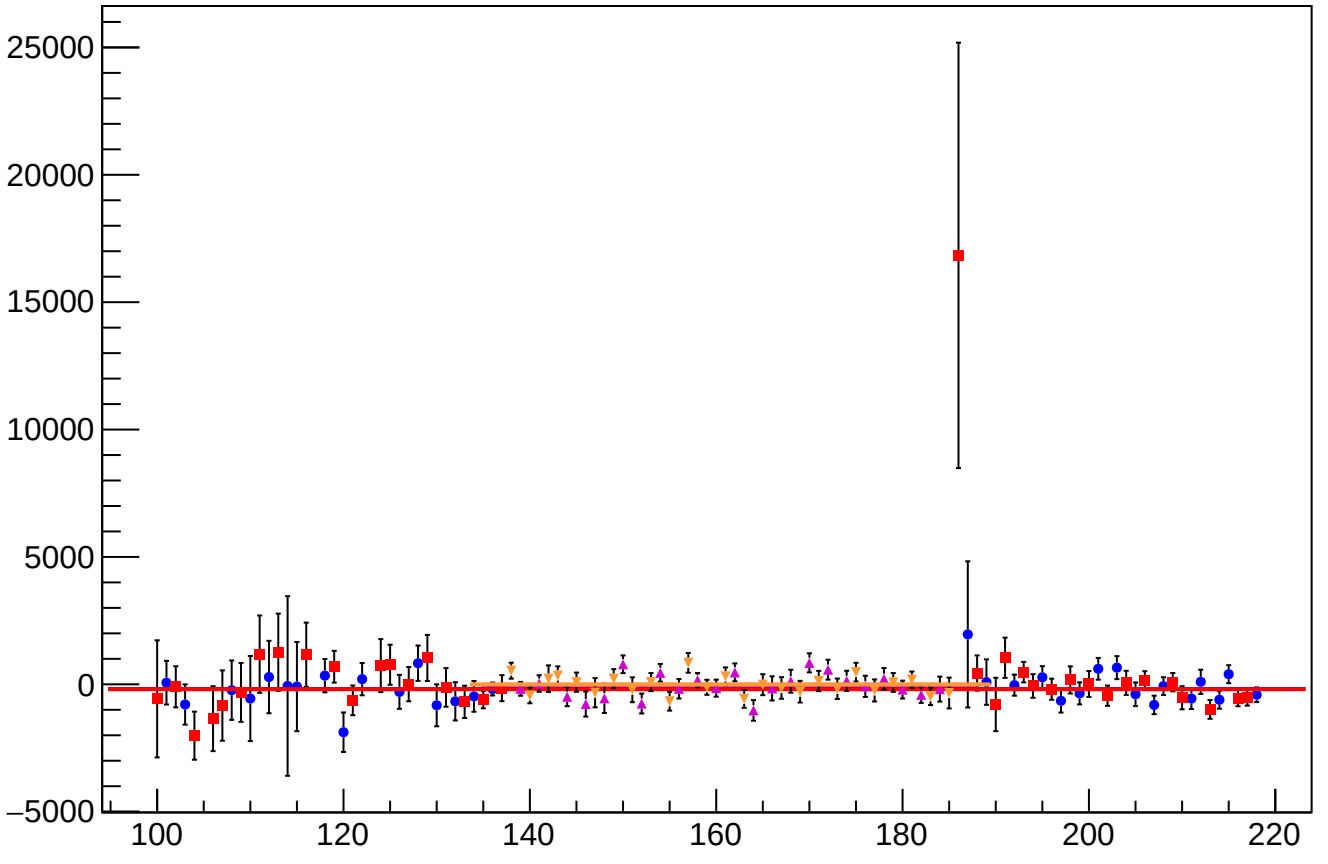
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 72.684+/-0.008 χ^2/NDF: 3072818.7/67

In: 75.467+/-0.009 χ^2/NDF:1472186.2/54

Out: 76.172+/-0.009 χ^2/NDF:2155680.6/60

All: 75.822+/-0.006 χ^2/NDF: 3631177.2/115



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: -191.385+/-90.871 χ^2/NDF: 37.4/35

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

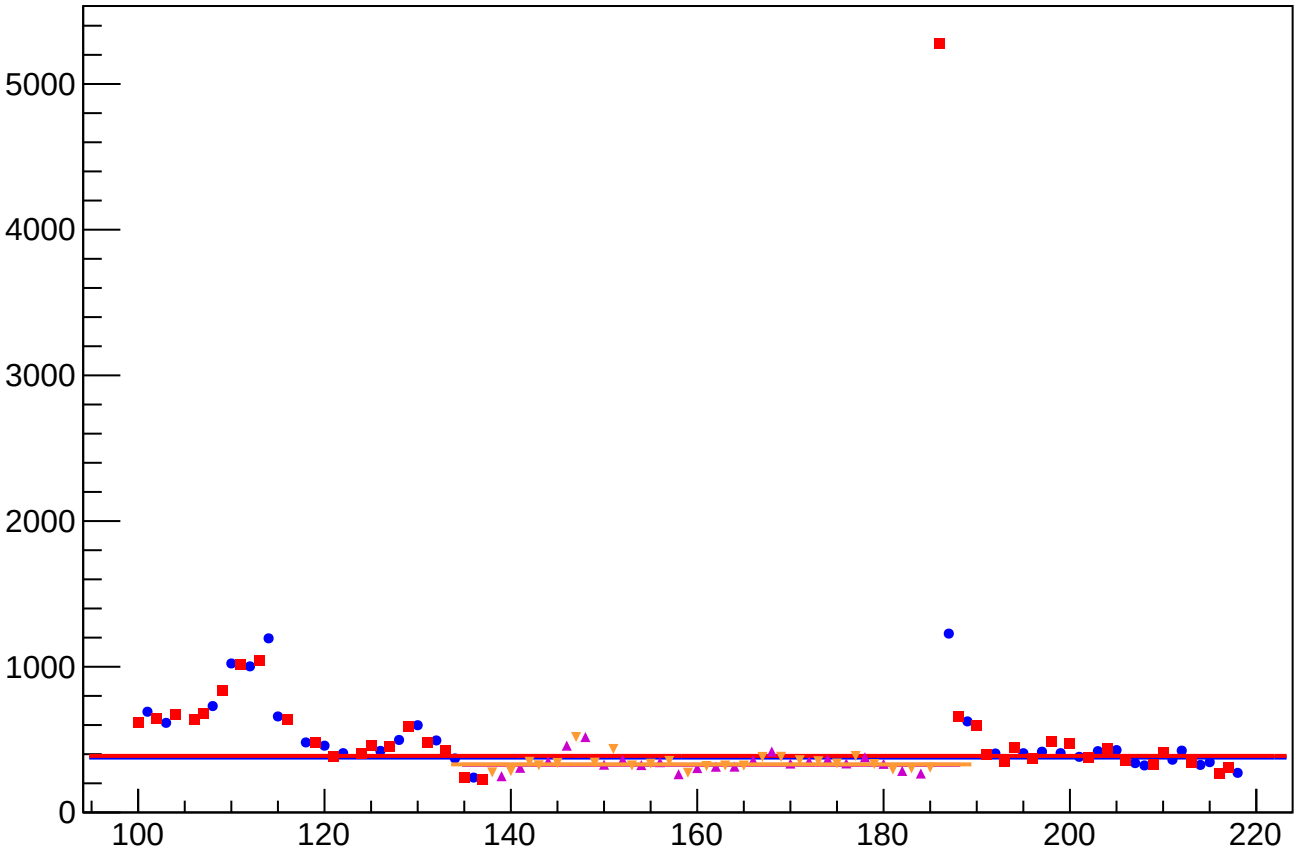
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -187.449+/-63.192 χ^2/NDF: 66.7/67

In: -91.243+/-58.159 χ^2/NDF:66.3/54

Out: -80.650+/-58.236 χ^2/NDF:64.0/60

All: -85.954+/-41.152 χ^2/NDF: 130.3/115



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: 388.295+/-0.064 χ^2/NDF: 4220702.7/35

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

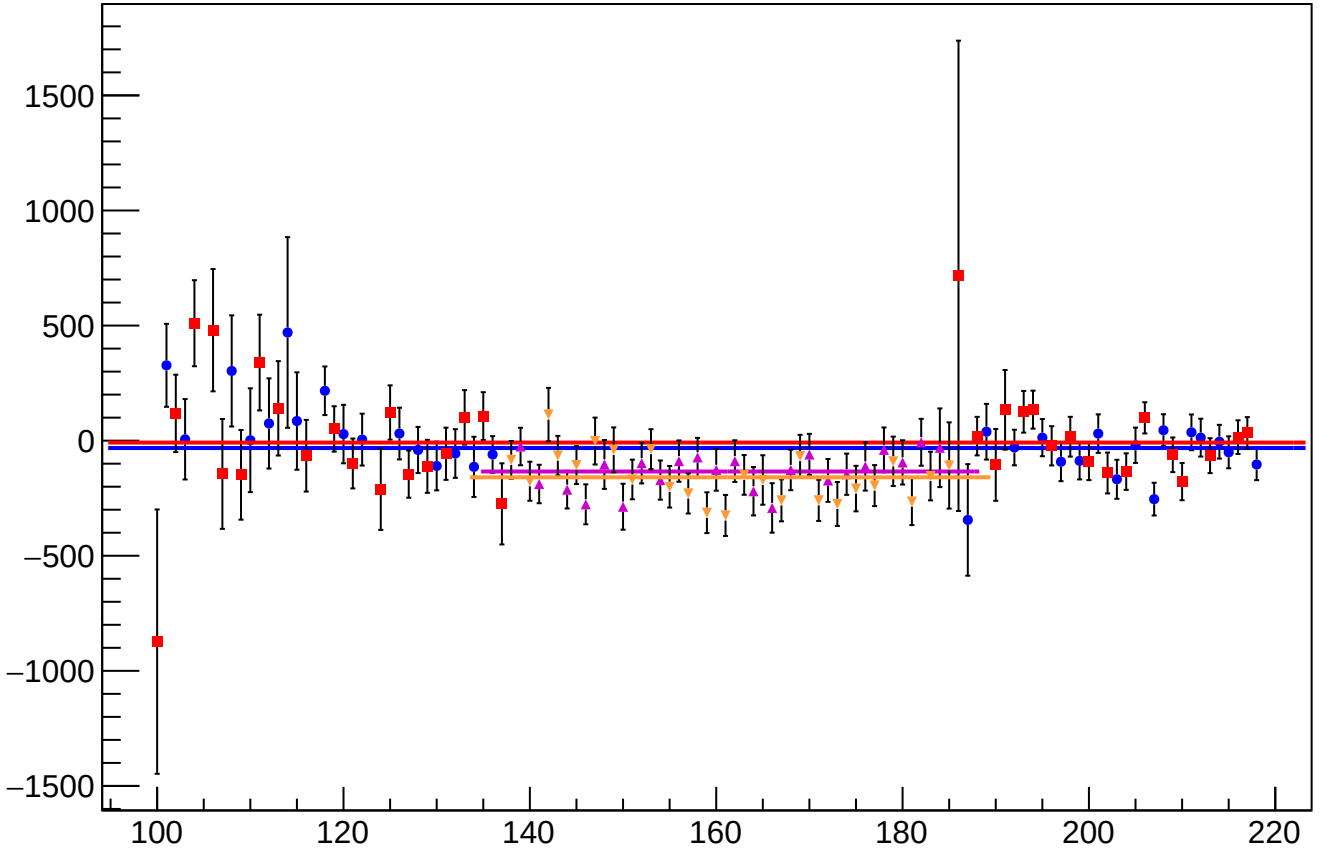
Right: 382.317+/-0.045 χ^2/NDF: 7481611.2/67

In: 348.728+/-0.041 χ^2/NDF:4503692.9/54

Out: 353.923+/-0.041 χ^2/NDF:5365517.8/60

All: 351.322+/-0.029 χ^2/NDF: 9877180.1/115

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: -8.290+/-17.493 χ^2/NDF: 50.2/35

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

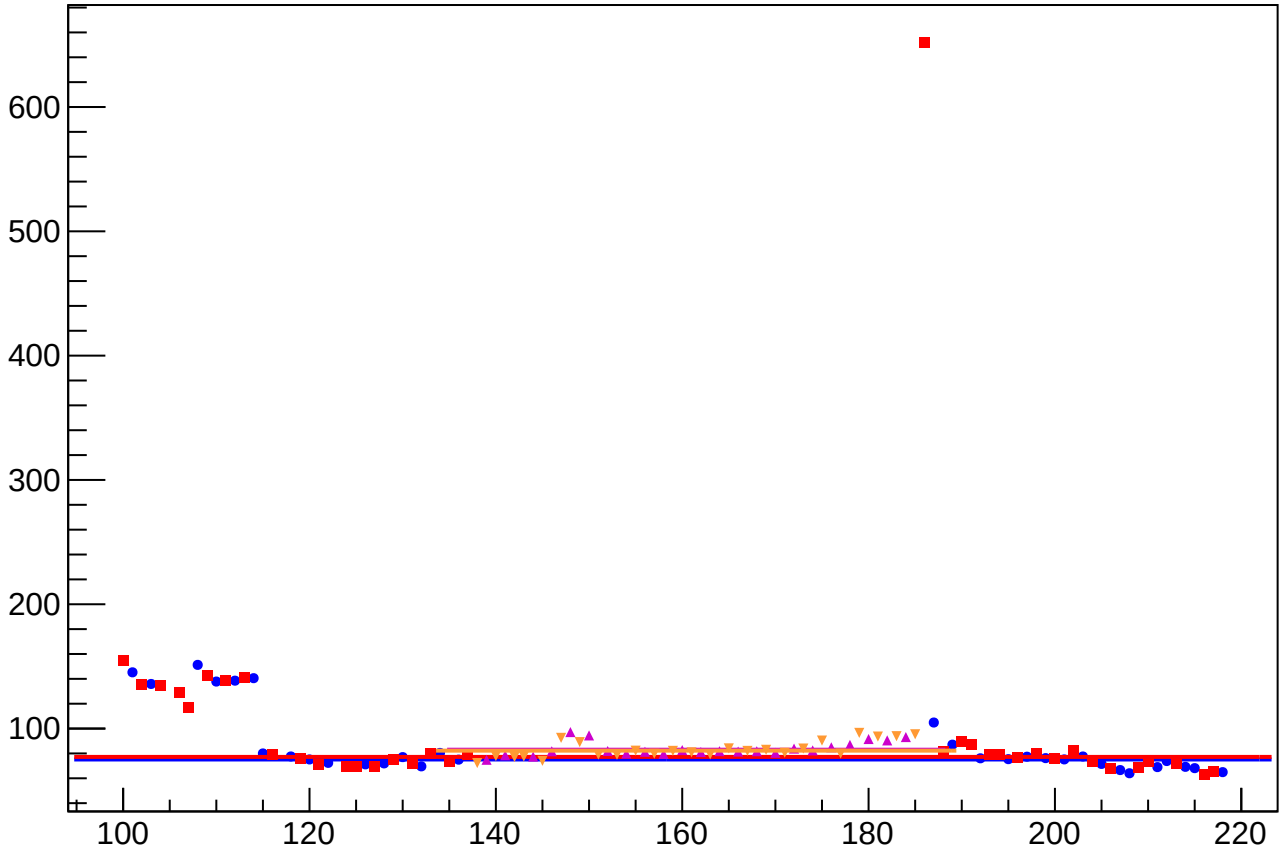
Right: -20.495+/-12.212 χ^2/NDF: 86.3/67

In: -76.424+/-12.821 χ^2/NDF:67.1/54

Out: -78.531+/-12.791 χ^2/NDF:113.0/60

All: -77.480+/-9.055 χ^2/NDF: 180.1/115

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: 77.201+/-0.012 χ^2/NDF: 2119580.6/35

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

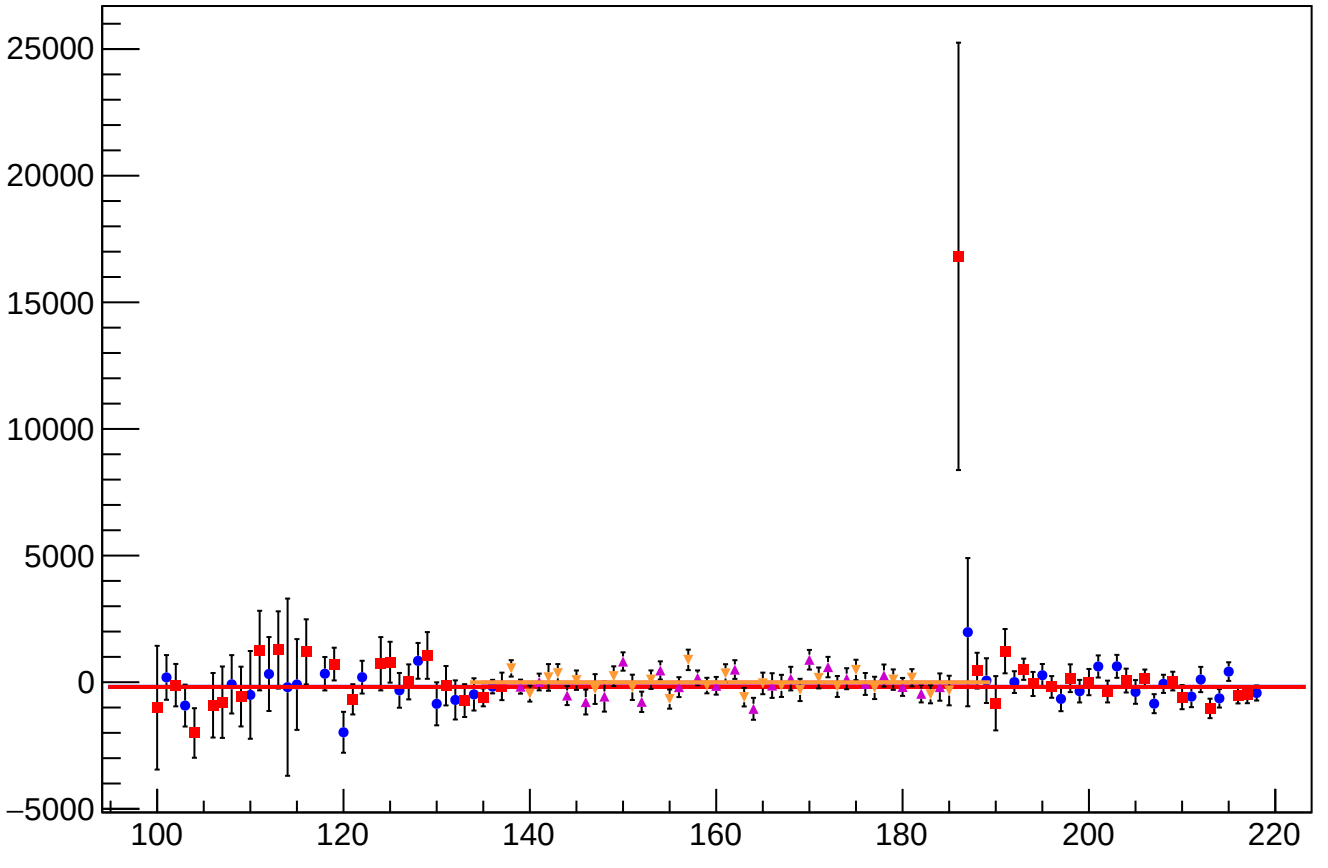
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 76.142+/-0.009 χ^2/NDF: 3535672.8/67

In: 78.552+/-0.009 χ^2/NDF:1732061.8/54

Out: 79.550+/-0.009 χ^2/NDF:2413574.6/60

All: 79.052+/-0.006 χ^2/NDF: 4151700.6/115



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: -187.475+/-94.115 χ^2/NDF: 36.1/35

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

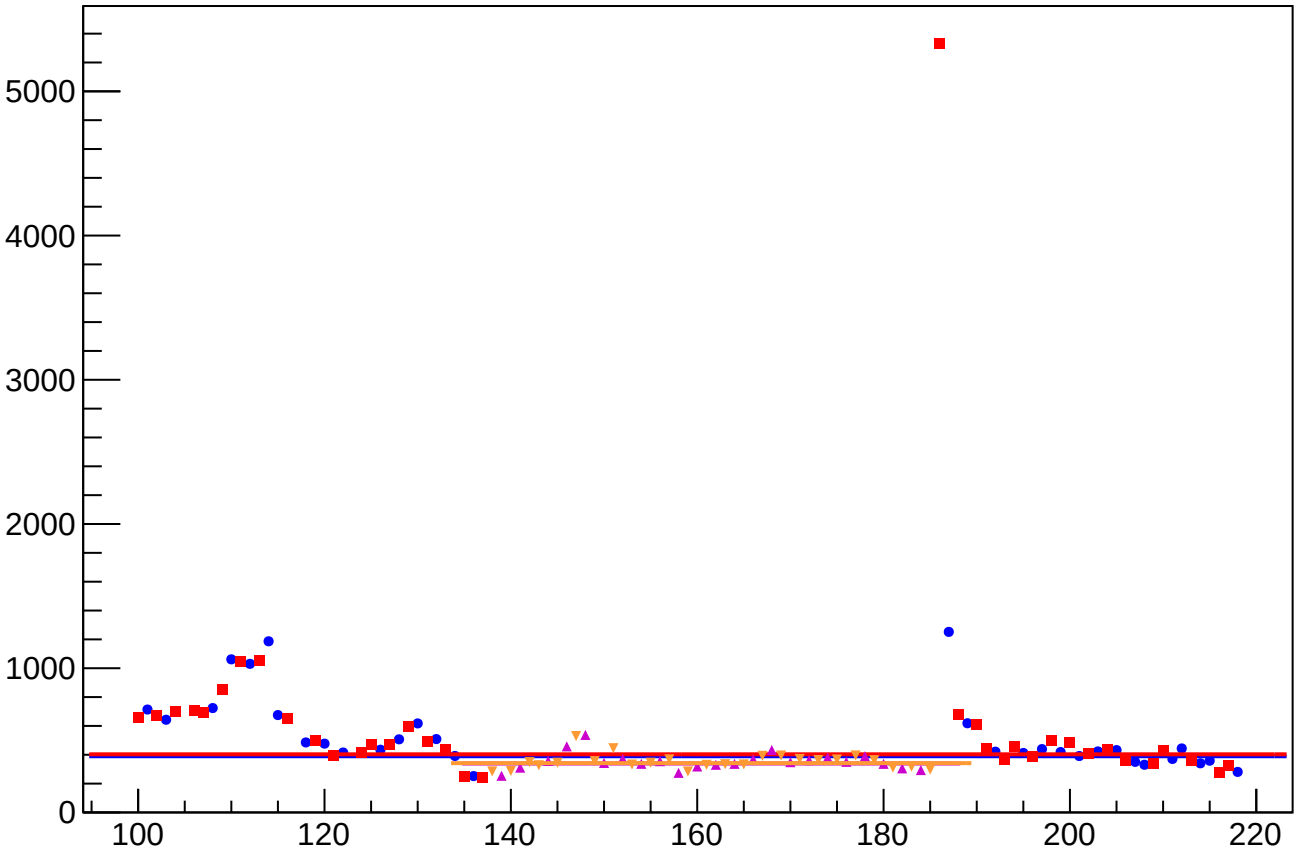
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -184.880+/-65.350 χ^2/NDF: 65.7/67

In: -89.448+/-60.201 χ^2/NDF:66.3/54

Out: -78.834+/-60.320 χ^2/NDF:61.9/60

All: -84.151+/-42.611 χ^2/NDF: 128.2/115



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: 403.112+/-0.067 χ^2/NDF: 4145223.7/35

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

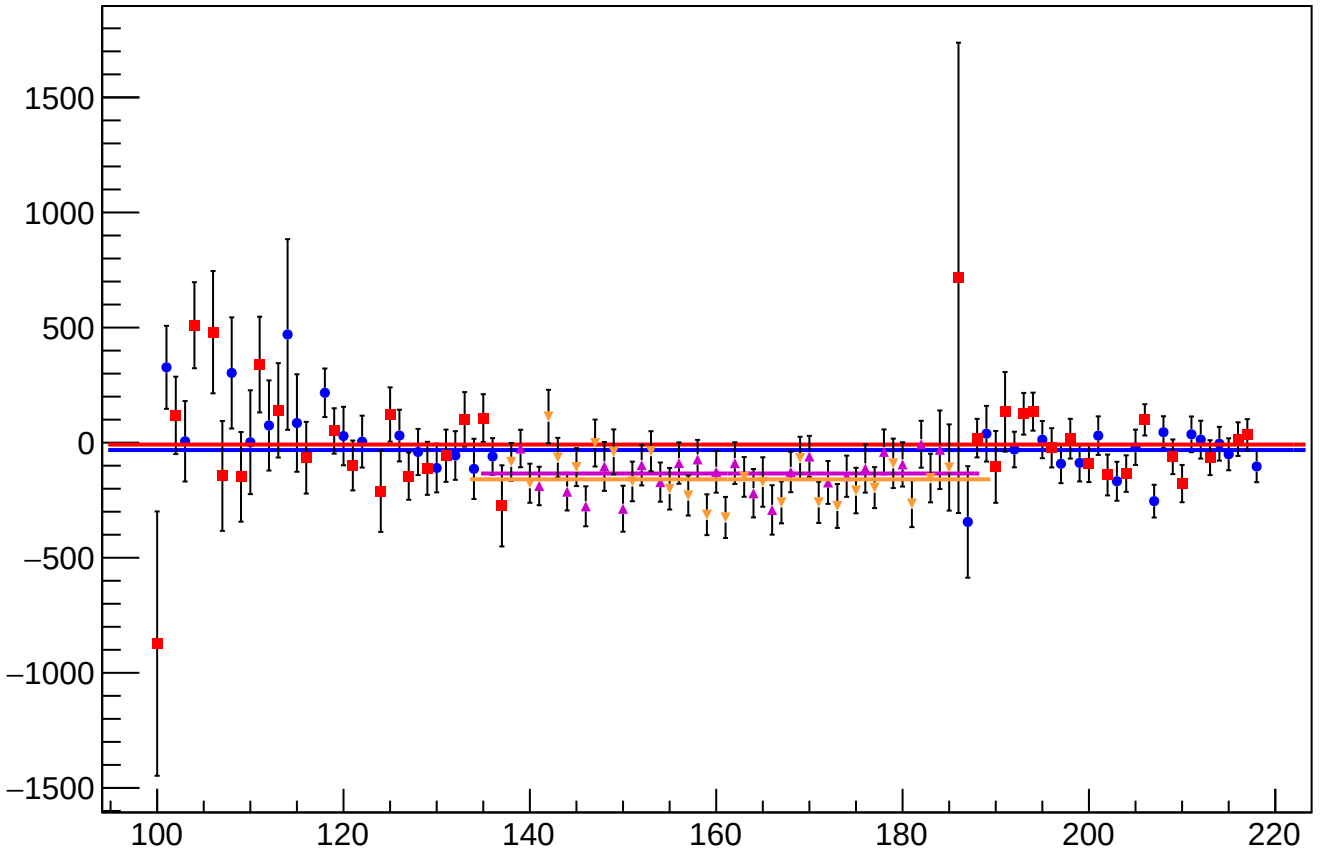
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 396.228+/-0.046 χ^2/NDF: 7285610.1/67

In: 361.575+/-0.043 χ^2/NDF:4311609.4/54

Out: 367.055+/-0.043 χ^2/NDF:5297364.2/60

All: 364.309+/-0.030 χ^2/NDF: 9617243.3/115



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: -8.290+/-17.493 χ^2/NDF: 50.2/35

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

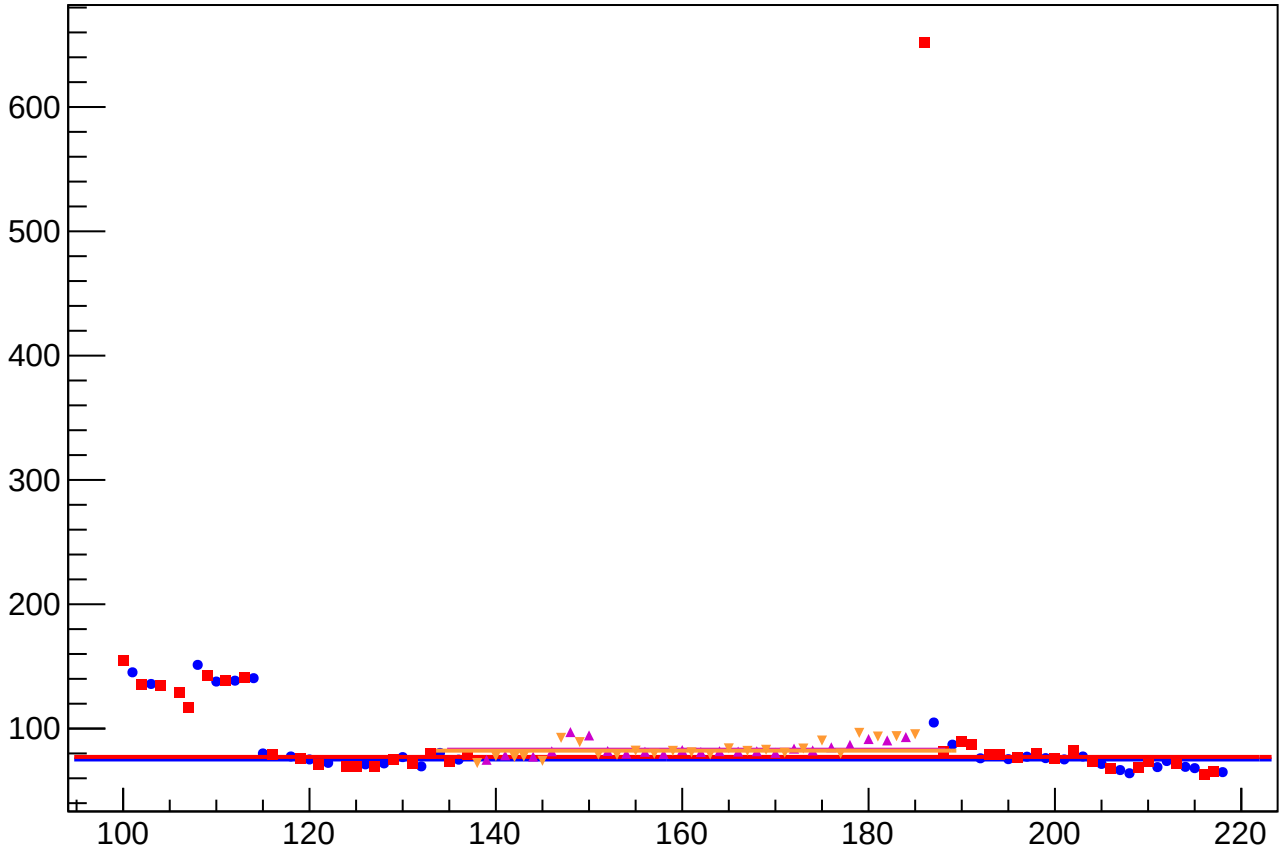
Right: -20.495+/-12.212 χ^2/NDF: 86.3/67

In: -76.423+/-12.821 χ^2/NDF:67.1/54

Out: -78.531+/-12.791 χ^2/NDF:113.0/60

All: -77.480+/-9.055 χ^2/NDF: 180.1/115

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: 77.201+/-0.012 χ^2/NDF: 2119581.2/35

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

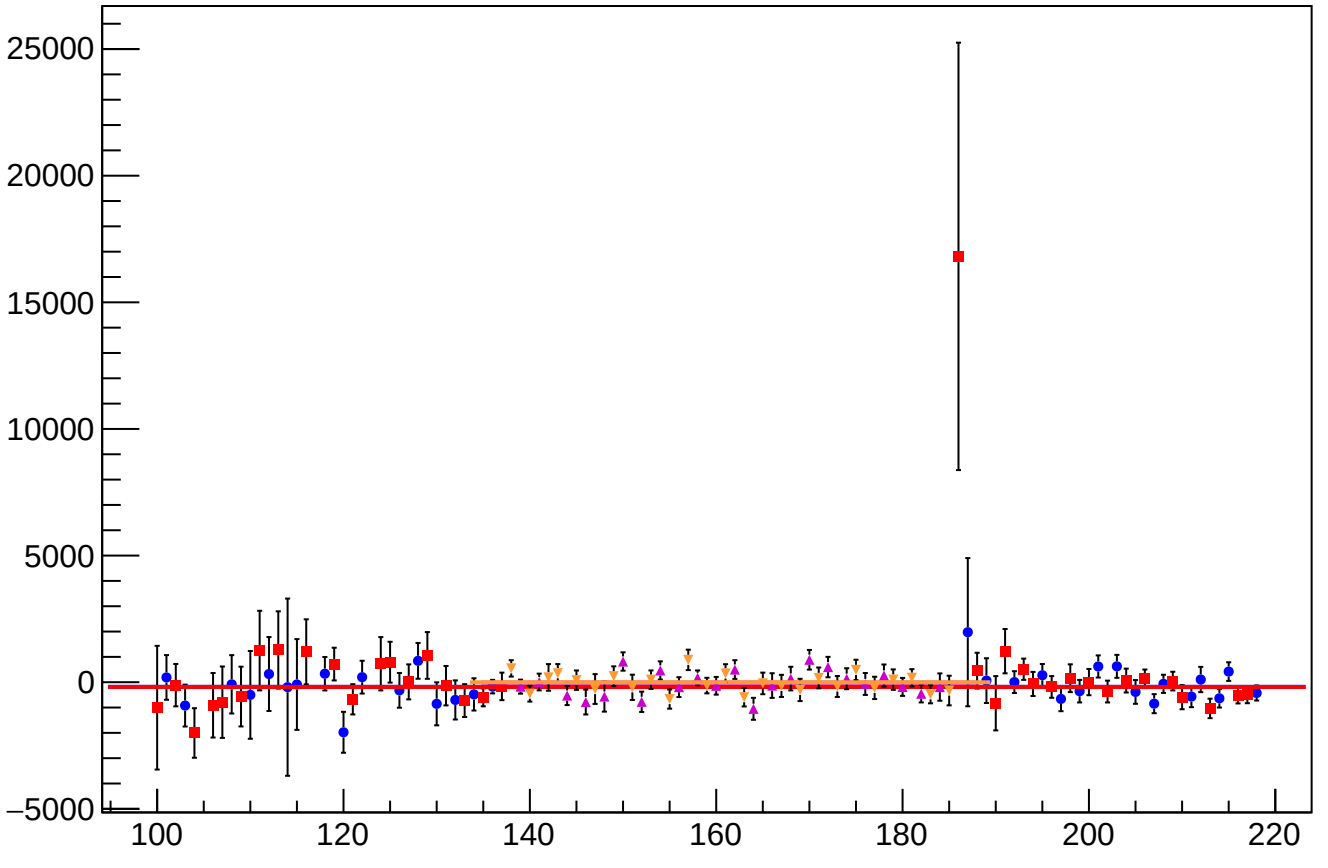
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 76.141+/-0.009 χ^2/NDF: 3535673.8/67

In: 78.552+/-0.009 χ^2/NDF:1732066.0/54

Out: 79.549+/-0.009 χ^2/NDF:2413579.7/60

All: 79.052+/-0.006 χ^2/NDF: 4151709.9/115



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: -187.476+/-94.114 χ^2/NDF: 36.1/35

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

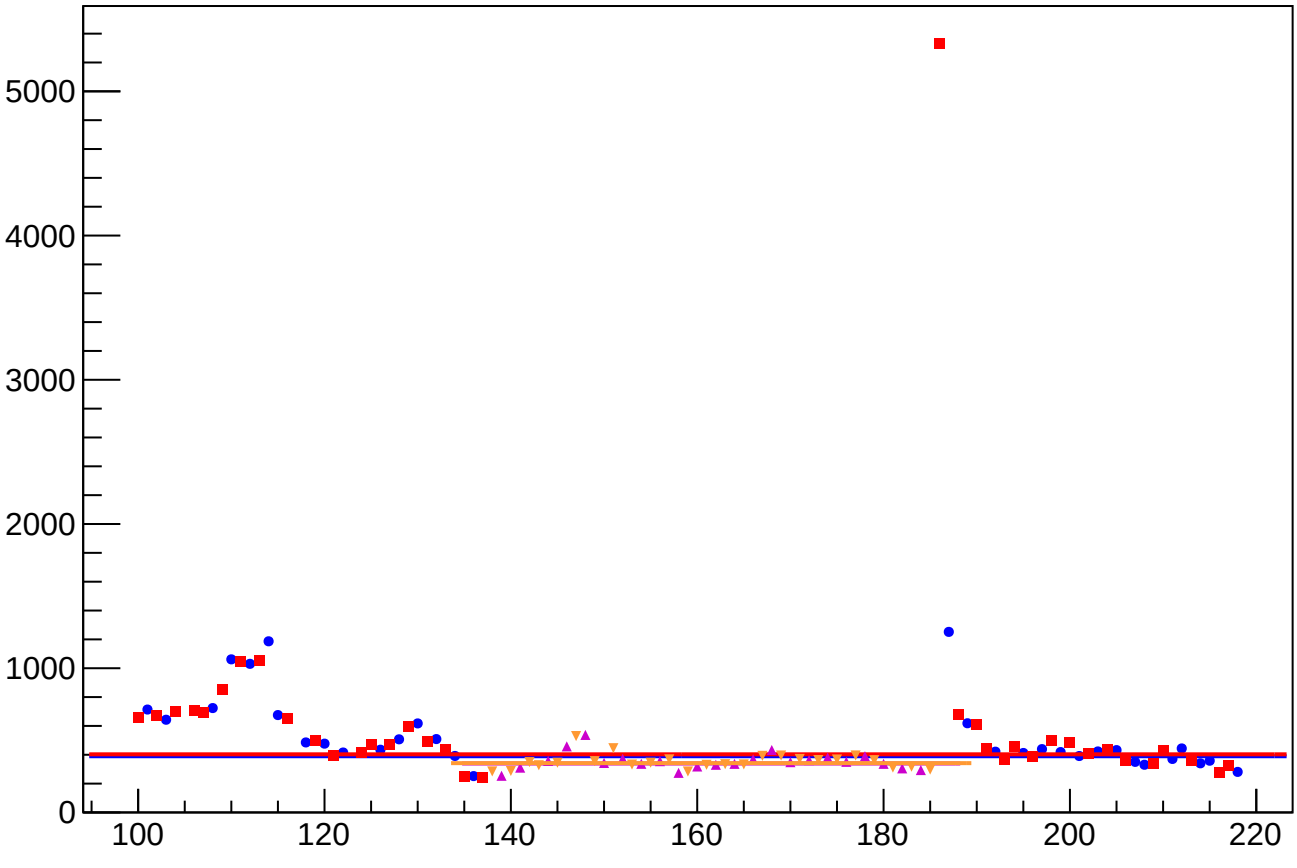
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -184.880+/-65.350 χ^2/NDF: 65.7/67

In: -89.447+/-60.201 χ^2/NDF:66.3/54

Out: -78.834+/-60.320 χ^2/NDF:61.9/60

All: -84.151+/-42.611 χ^2/NDF: 128.2/115



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: 403.111+/-0.067 χ^2/NDF: 4145231.3/35

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

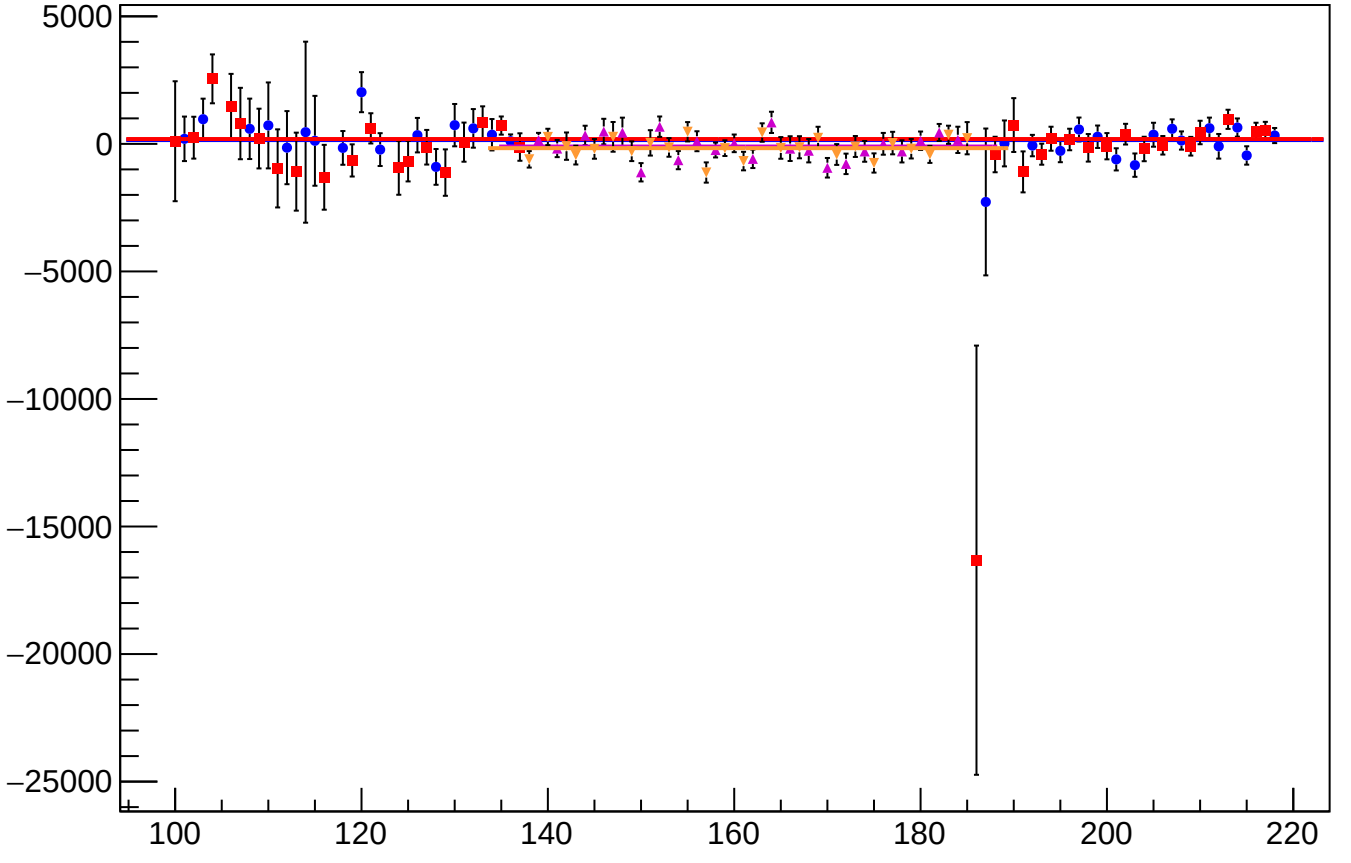
Right: 396.228+/-0.046 χ^2/NDF: 7285621.7/67

In: 361.574+/-0.043 χ^2/NDF:4311608.0/54

Out: 367.054+/-0.043 χ^2/NDF:5297360.8/60

All: 364.309+/-0.030 χ^2/NDF: 9617238.5/115

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: 190.367+/-92.747 χ^2/NDF: 39.1/35

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

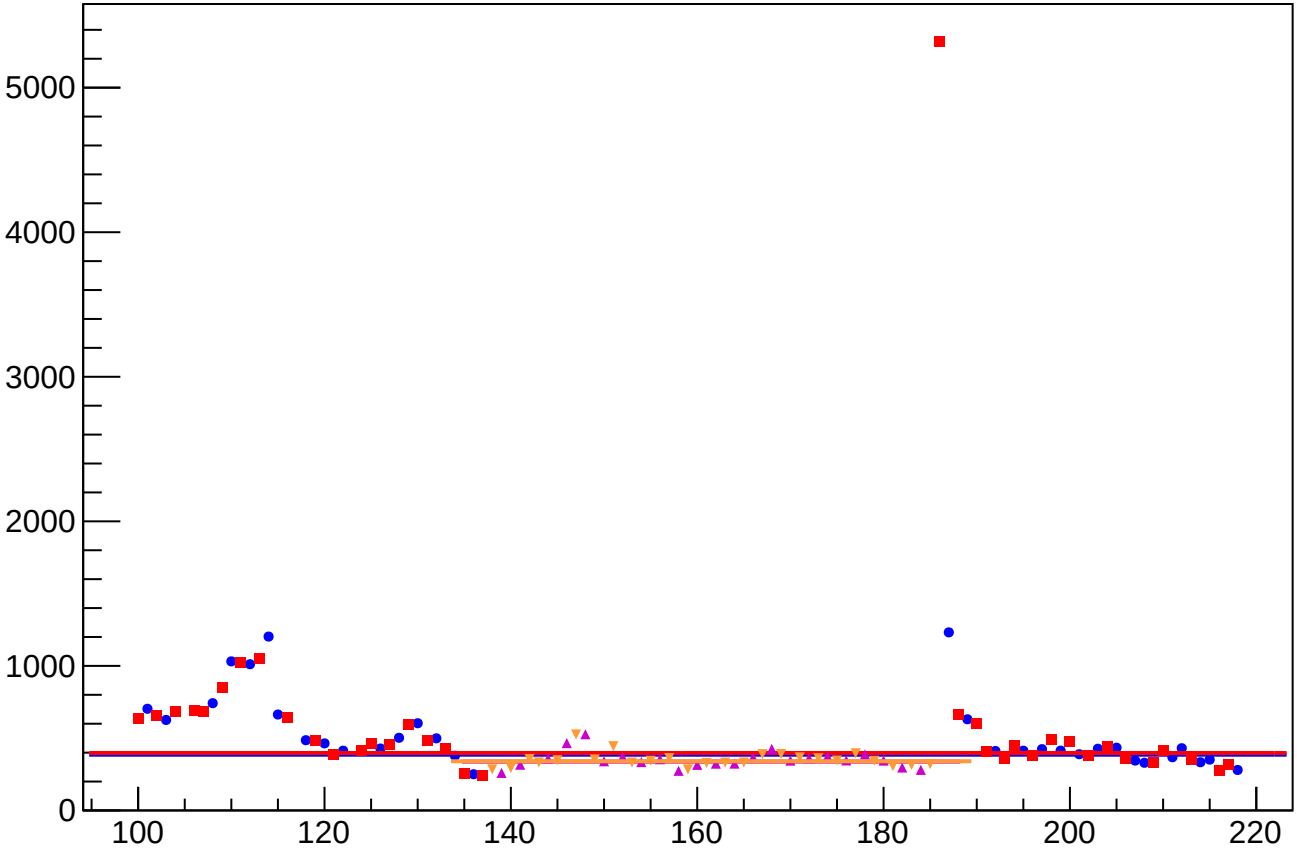
Right: 169.253+/-64.517 χ^2/NDF: 68.8/67

In: 8.124+/-59.734 χ^2/NDF:71.5/54

Out: -18.778+/-59.776 χ^2/NDF:73.3/60

All: -5.317+/-42.253 χ^2/NDF: 145.0/115

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: 397.556+/-0.066 χ^2/NDF: 4093812.4/35

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

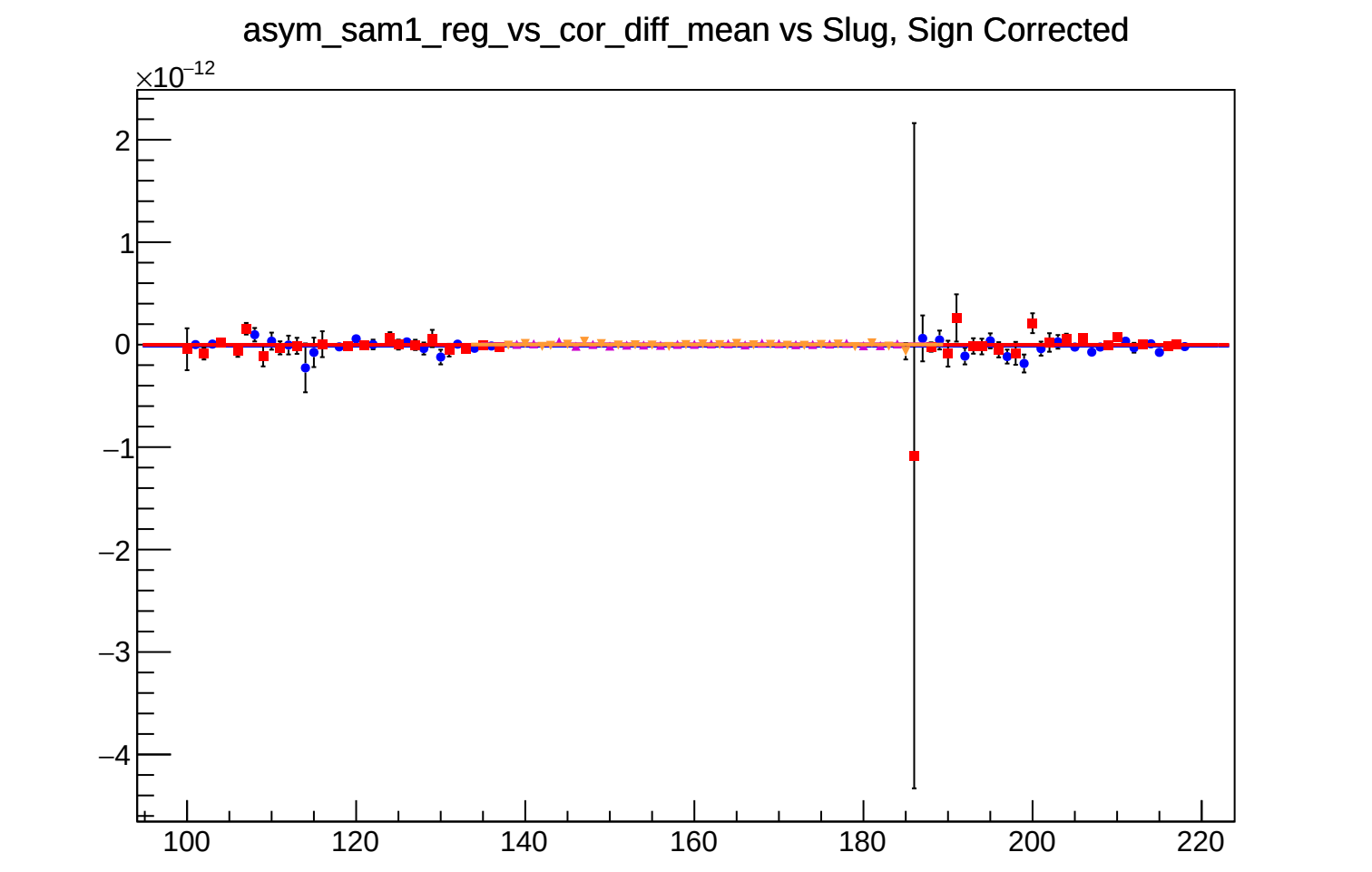
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

Right: 391.404+/-0.046 χ^2/NDF: 7202893.1/67

In: 358.940+/-0.042 χ^2/NDF:4229646.3/54

Out: 364.136+/-0.042 χ^2/NDF:5142145.5/60

All: 361.536+/-0.030 χ^2/NDF: 9379354.0/115



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: 34.3/35

Left In: 0.000+/-0.000 χ^2/NDF:11.9/22

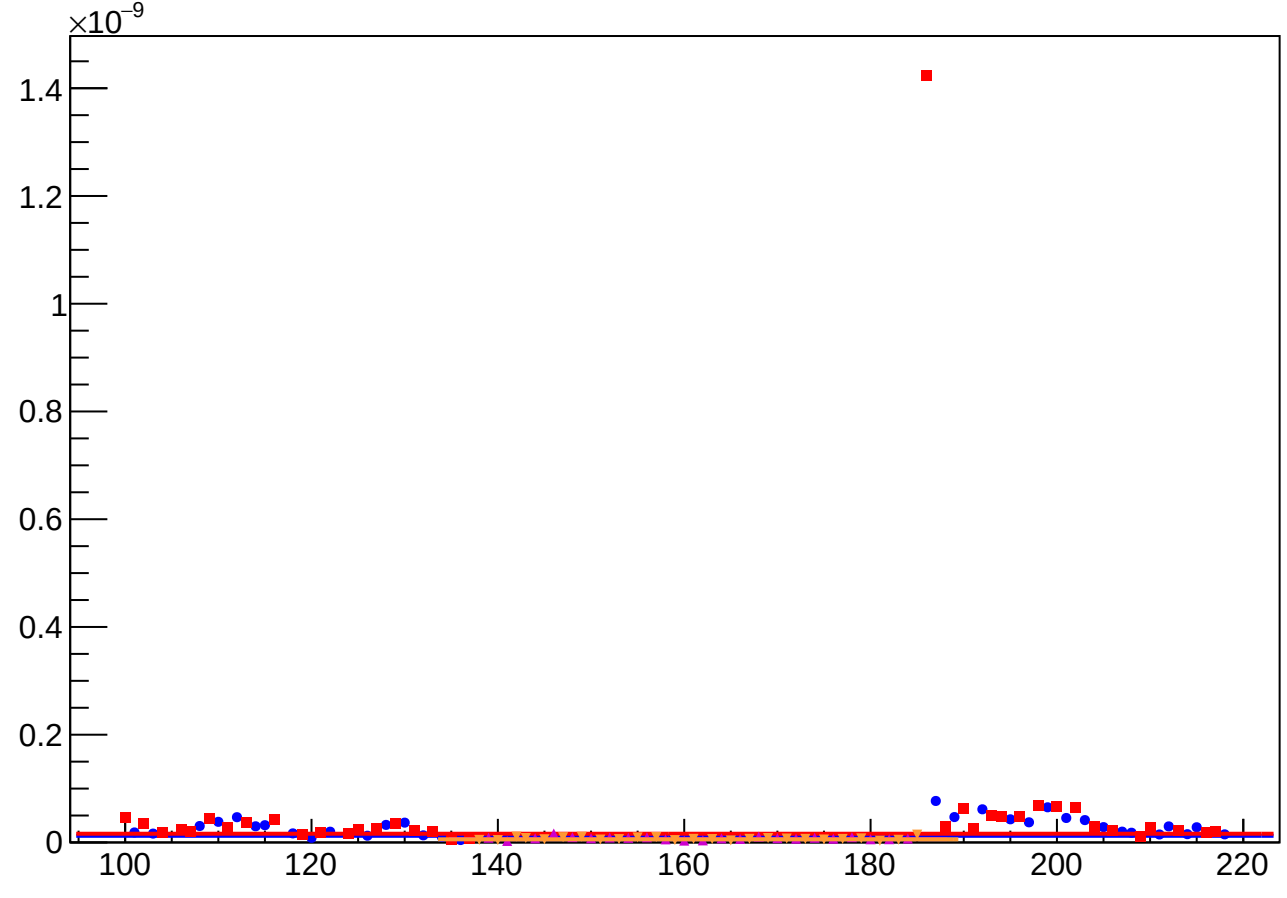
Left: 0.000+/-0.000 χ^2/NDF: 28.7/47

Right: -0.000+/-0.000 χ^2/NDF: 71.8/67

In: 0.000+/-0.000 χ^2/NDF:54.6/54

Out: 0.000+/-0.000 χ^2/NDF:50.6/60

All: 0.000+/-0.000 χ^2/NDF: 105.2/115



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: 7428606.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

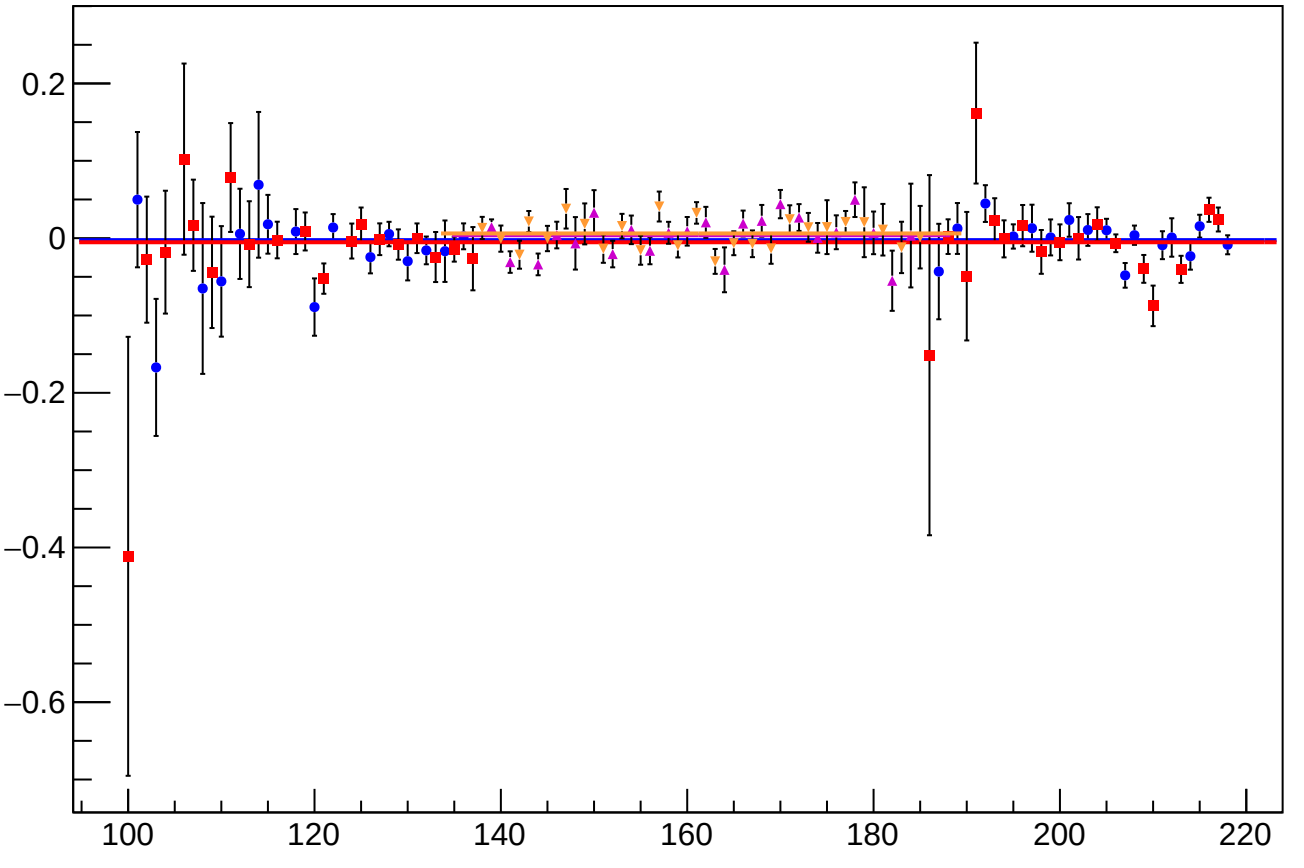
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 16007561.9/67

In: 0.000+/-0.000 χ^2/NDF:12310787.7/54

Out: 0.000+/-0.000 χ^2/NDF:13190096.7/60

All: 0.000+/-0.000 χ^2/NDF: 25537683.8/115



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: -0.005+/-0.004 χ^2/NDF: 48.5/35

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

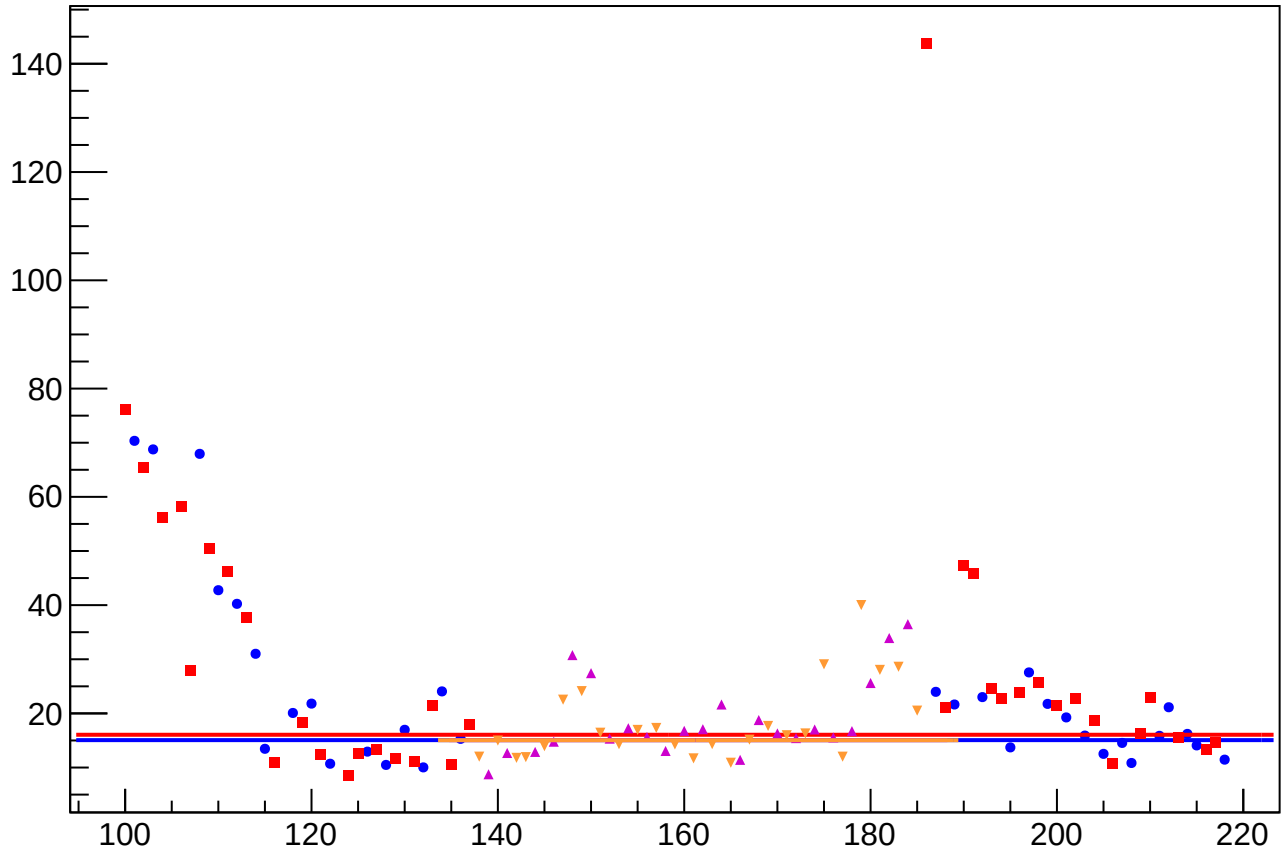
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 83.4/67

In: 0.001+/-0.003 χ^2/NDF:73.1/54

Out: 0.001+/-0.003 χ^2/NDF:79.5/60

All: 0.001+/-0.002 χ^2/NDF: 152.7/115



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: 16.055+/-0.003 χ^2/NDF: 6638734.8/35

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

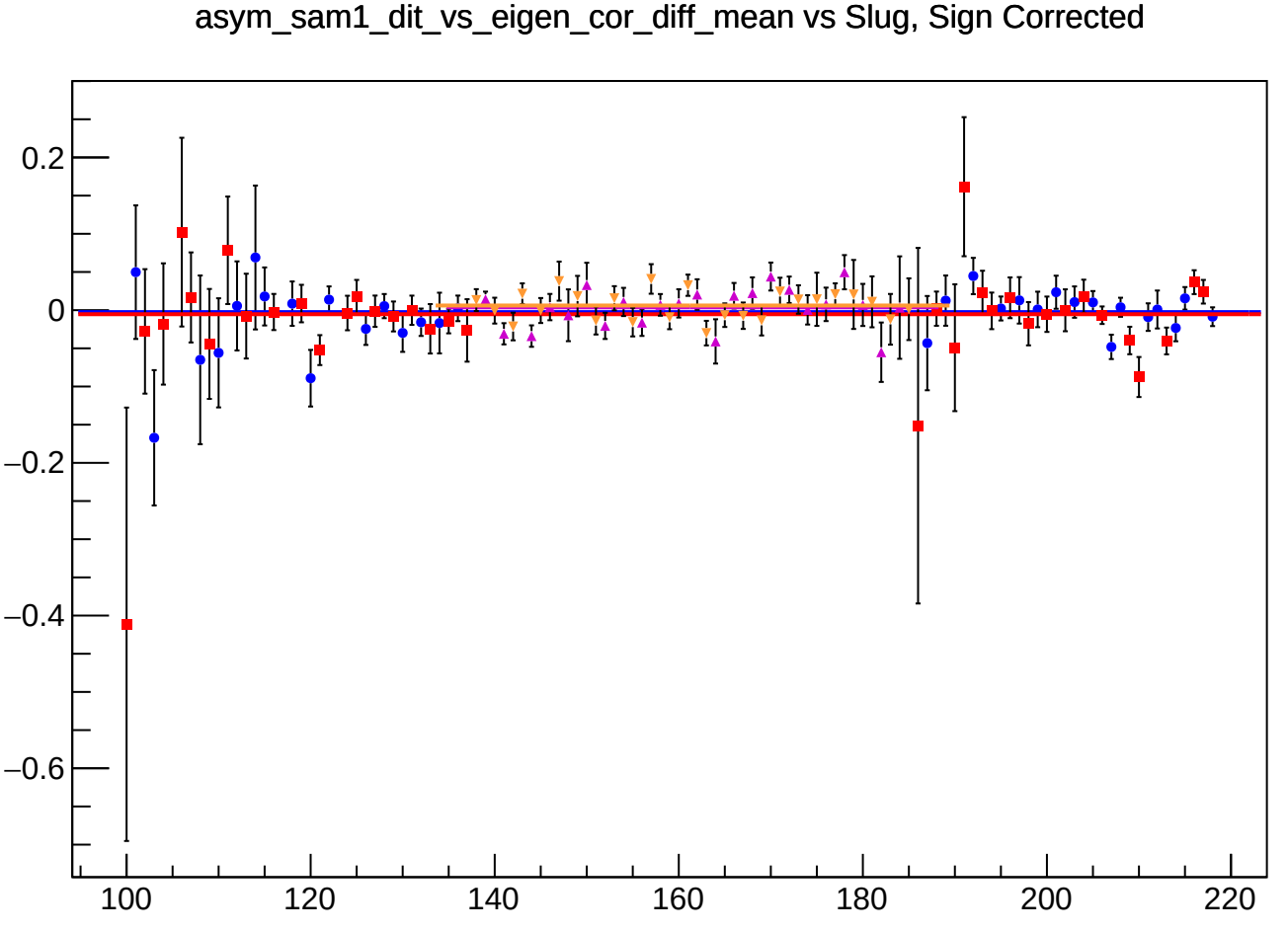
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.524+/-0.002 χ^2/NDF: 11686715.8/67

In: 15.065+/-0.002 χ^2/NDF:8049996.8/54

Out: 15.504+/-0.002 χ^2/NDF:9464968.1/60

All: 15.282+/-0.001 χ^2/NDF: 17541340.3/115



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: -0.005+/-0.004 χ^2/NDF: 48.5/35

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

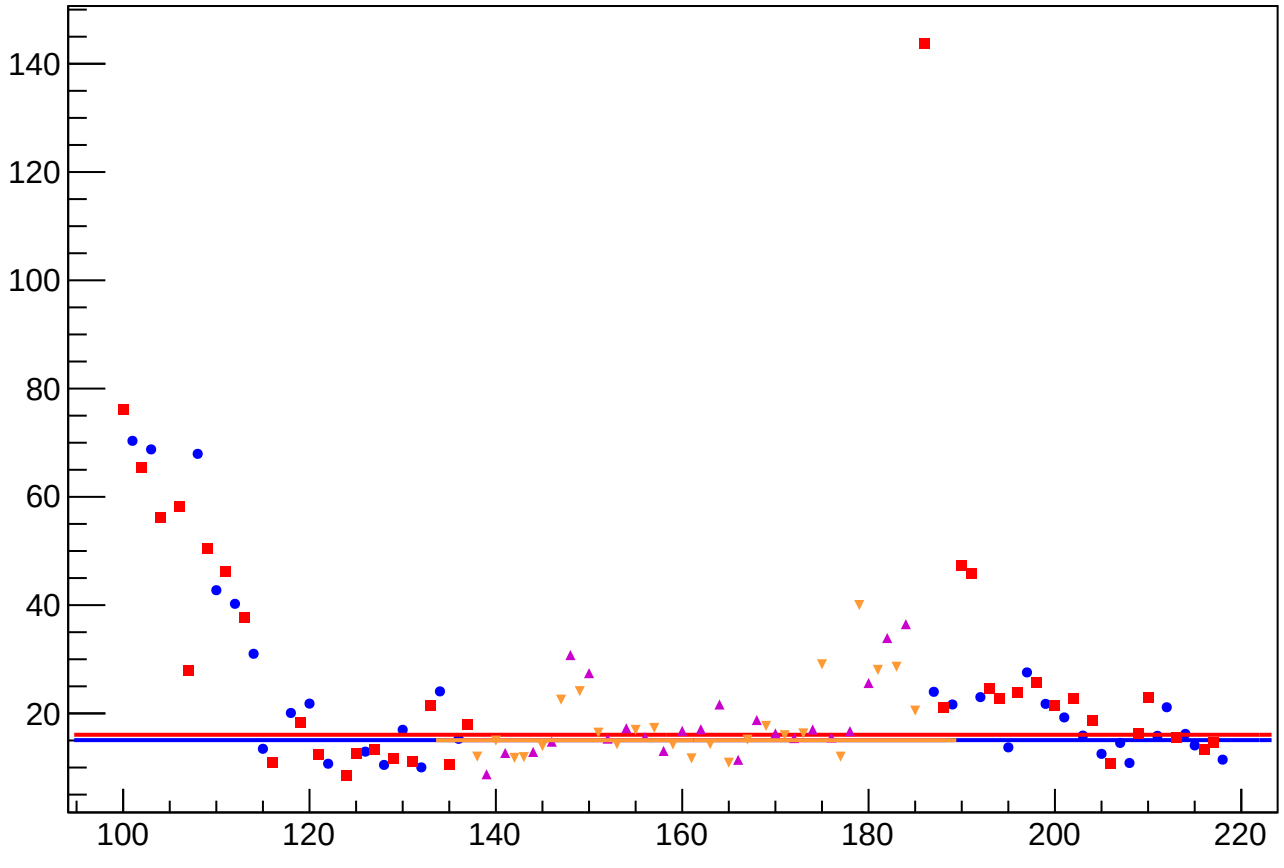
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 83.4/67

In: 0.001+/-0.003 χ^2/NDF:73.1/54

Out: 0.001+/-0.003 χ^2/NDF:79.5/60

All: 0.001+/-0.002 χ^2/NDF: 152.7/115



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: 16.055+/-0.003 χ^2/NDF: 6638734.8/35

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

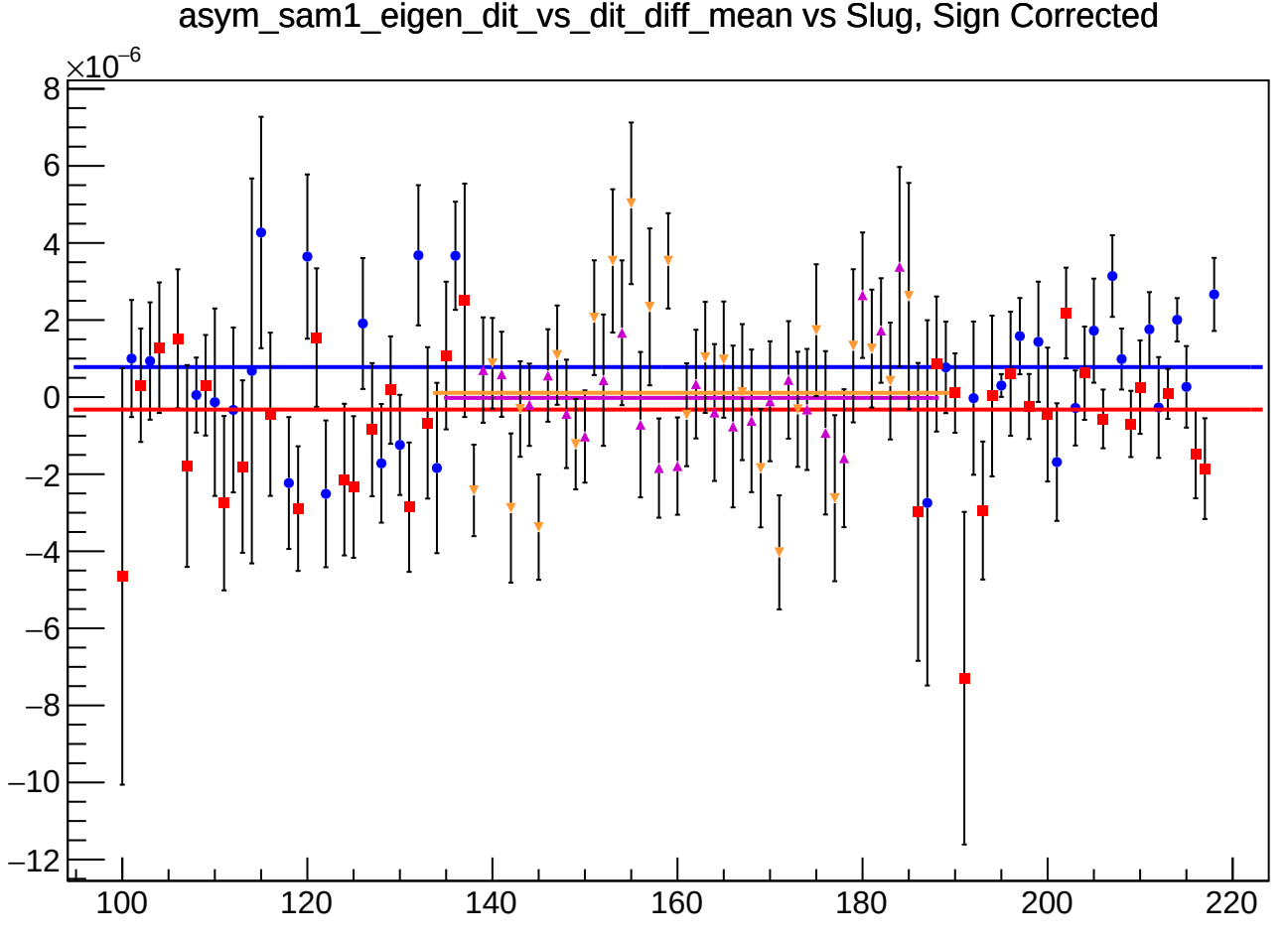
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.524+/-0.002 χ^2/NDF: 11686715.8/67

In: 15.065+/-0.002 χ^2/NDF:8049996.8/54

Out: 15.504+/-0.002 χ^2/NDF:9464968.1/60

All: 15.282+/-0.001 χ^2/NDF: 17541340.3/115



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: 29.2/35

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

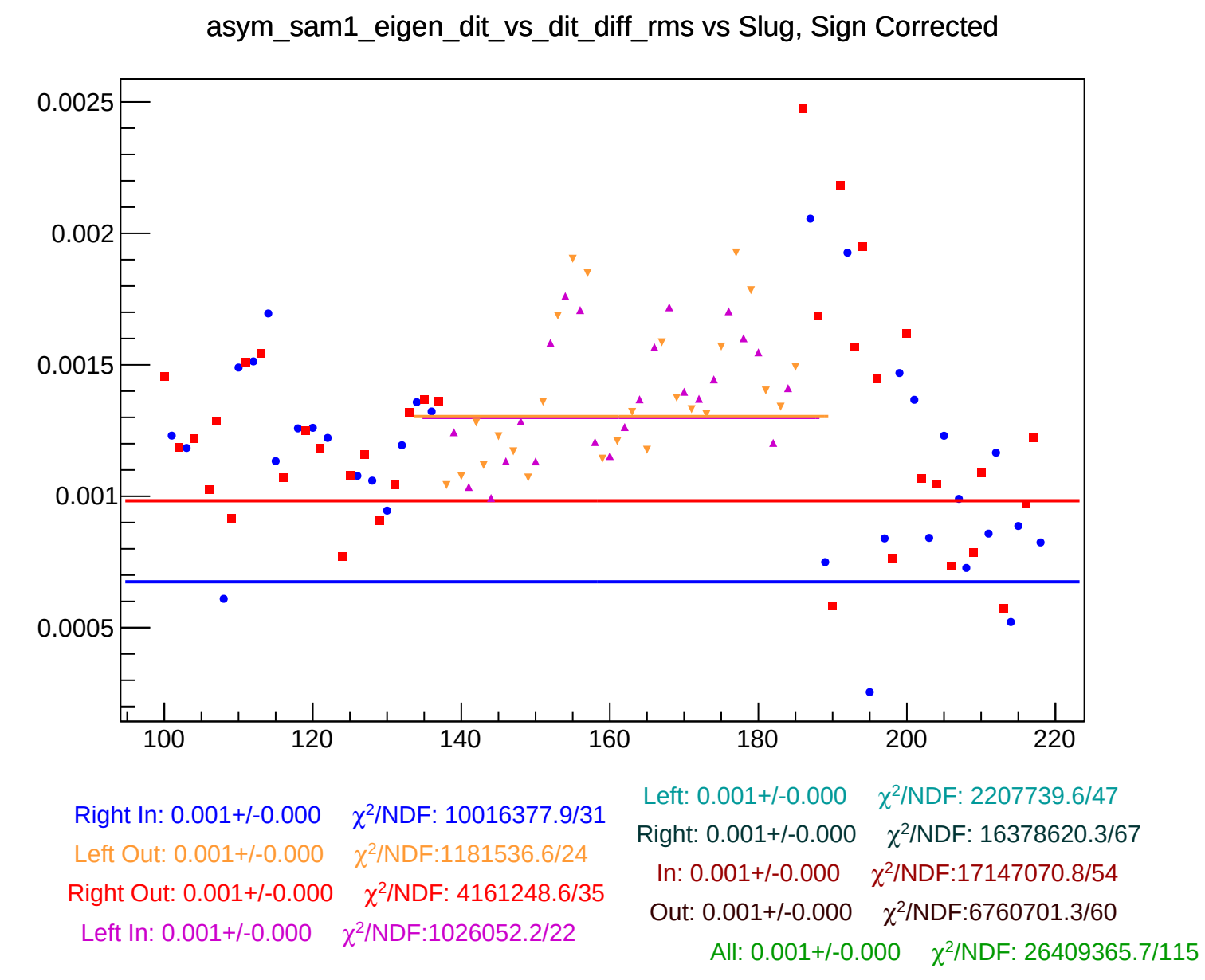
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

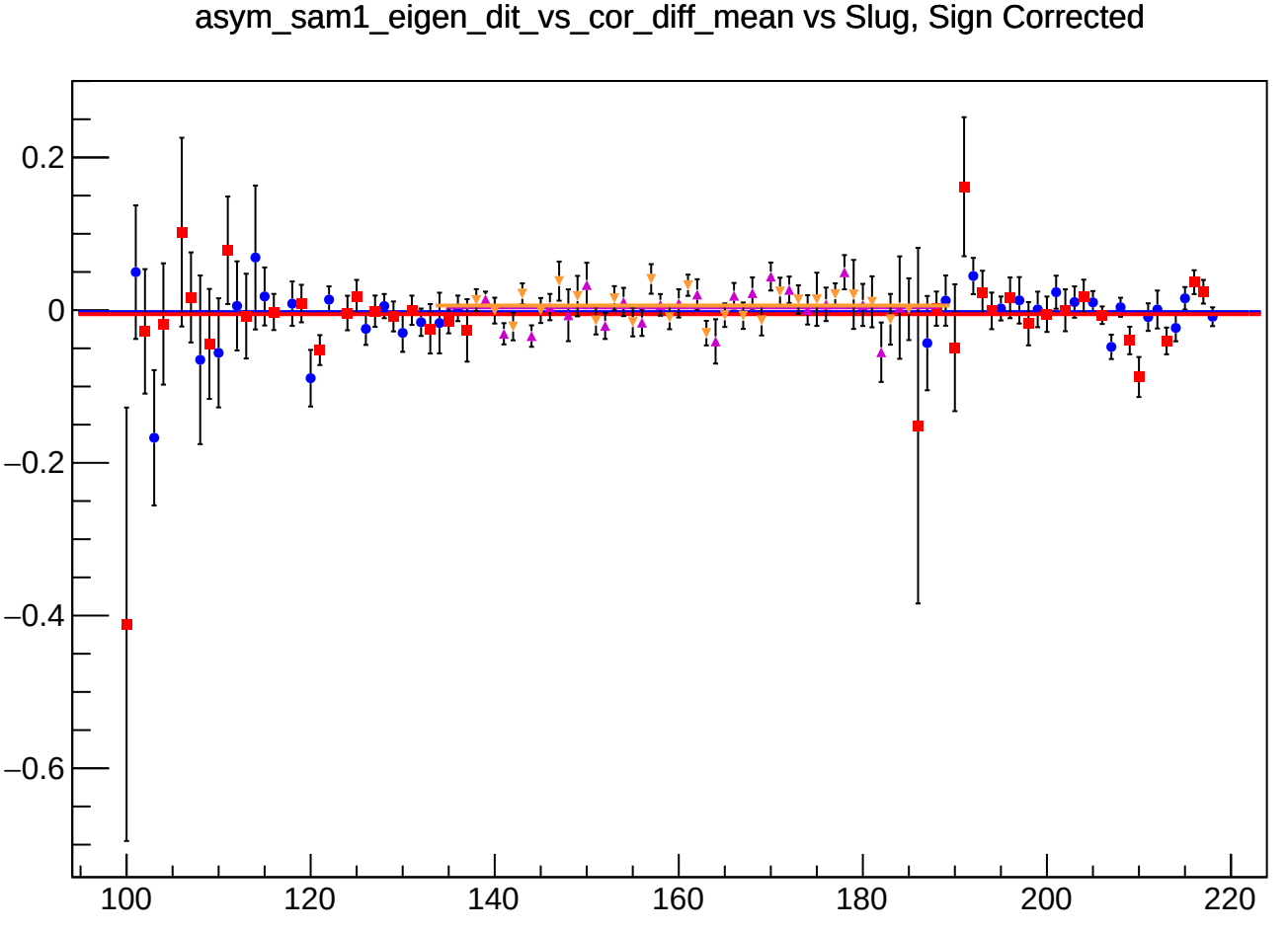
Right: 0.000+/-0.000 χ^2/NDF: 91.3/67

In: 0.000+/-0.000 χ^2/NDF:67.1/54

Out: -0.000+/-0.000 χ^2/NDF:80.5/60

All: 0.000+/-0.000 χ^2/NDF: 157.0/115


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: 4161248.6/35
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: 16378620.3/67
In: 0.001+/-0.000 χ²/NDF:17147070.8/54
Out: 0.001+/-0.000 χ²/NDF:6760701.3/60
All: 0.001+/-0.000 χ²/NDF: 26409365.7/115



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: -0.005+/-0.004 χ^2/NDF: 48.5/35

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

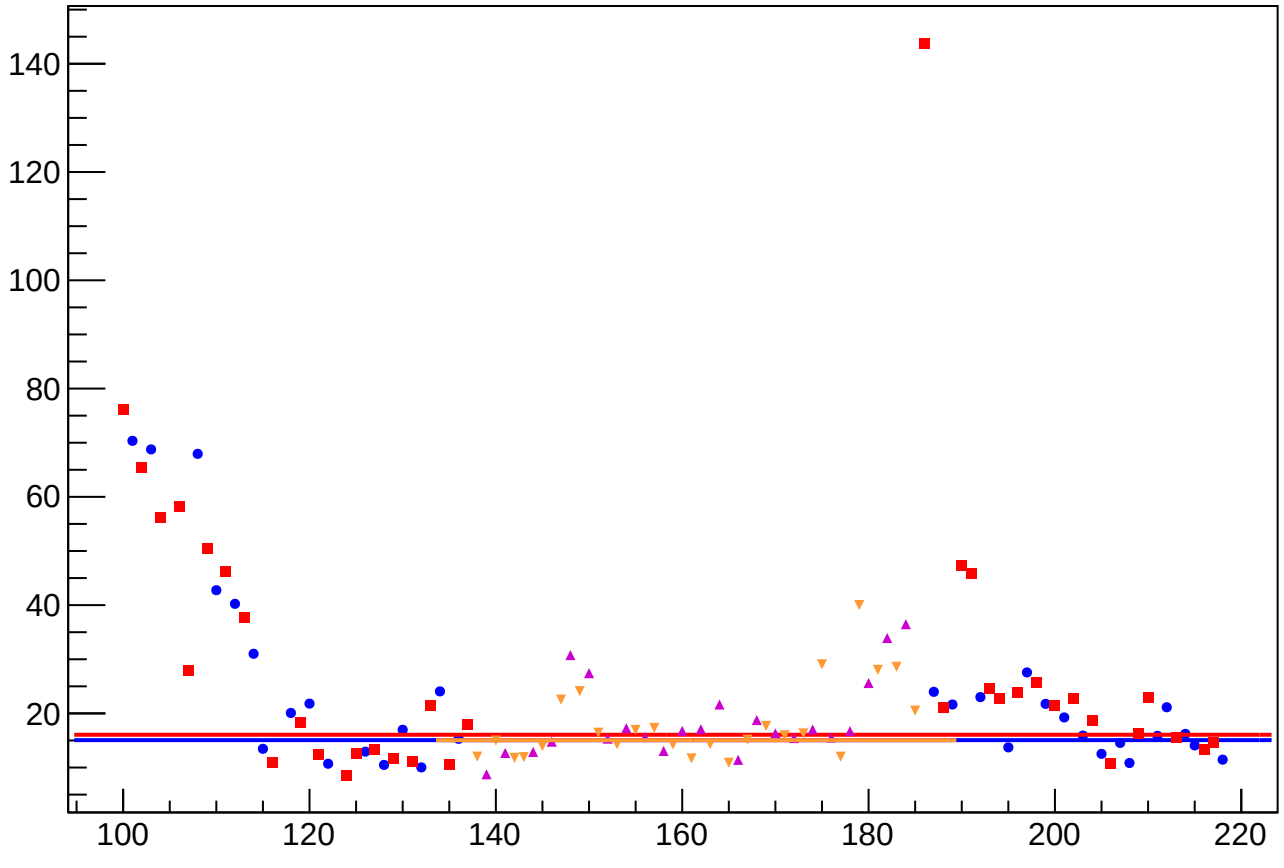
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 83.4/67

In: 0.001+/-0.003 χ^2/NDF:73.1/54

Out: 0.001+/-0.003 χ^2/NDF:79.5/60

All: 0.001+/-0.002 χ^2/NDF: 152.7/115



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: 16.054+/-0.003 χ^2/NDF: 6638728.1/35

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

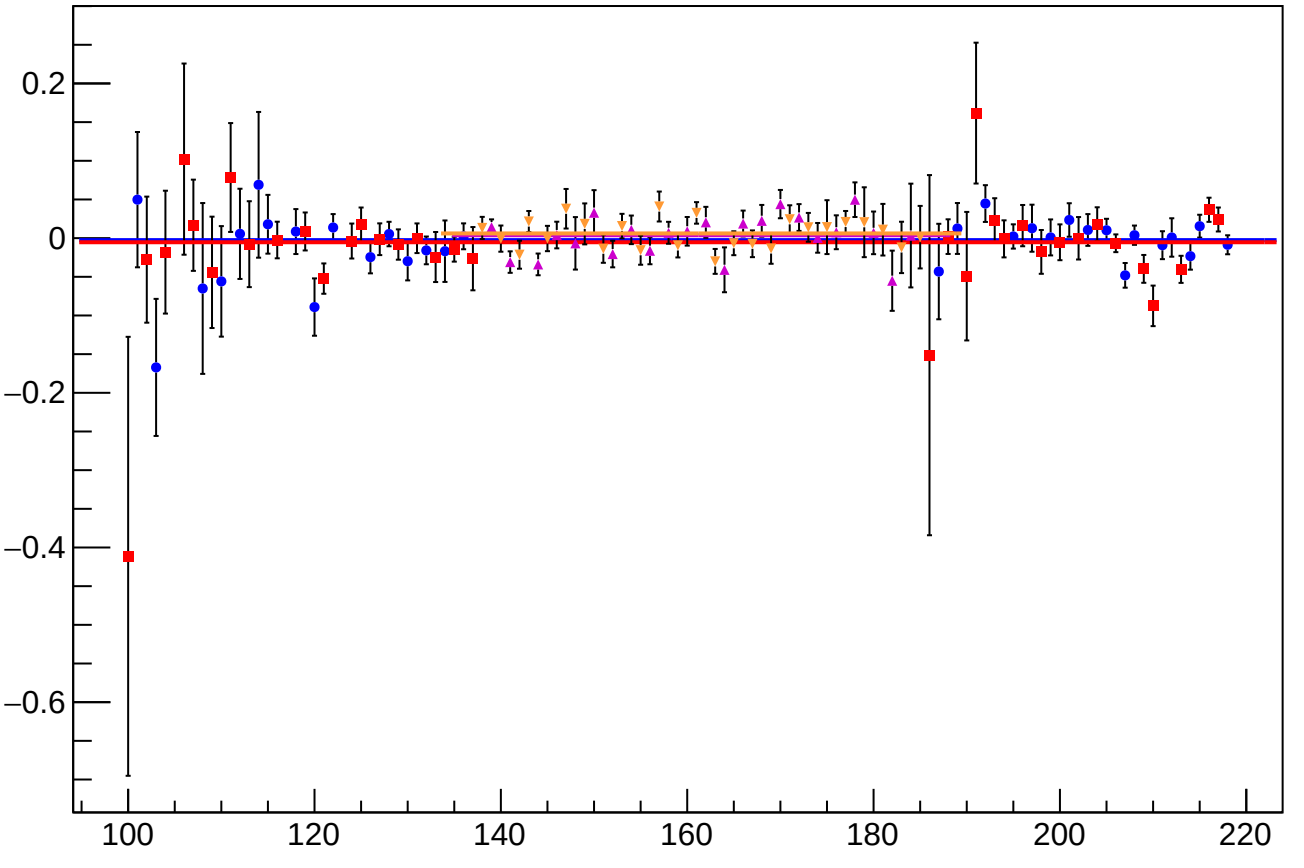
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.524+/-0.002 χ^2/NDF: 11686722.0/67

In: 15.065+/-0.002 χ^2/NDF:8050046.6/54

Out: 15.504+/-0.002 χ^2/NDF:9465165.9/60

All: 15.282+/-0.001 χ^2/NDF: 17541587.6/115



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: -0.005+/-0.004 χ^2/NDF: 48.5/35

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

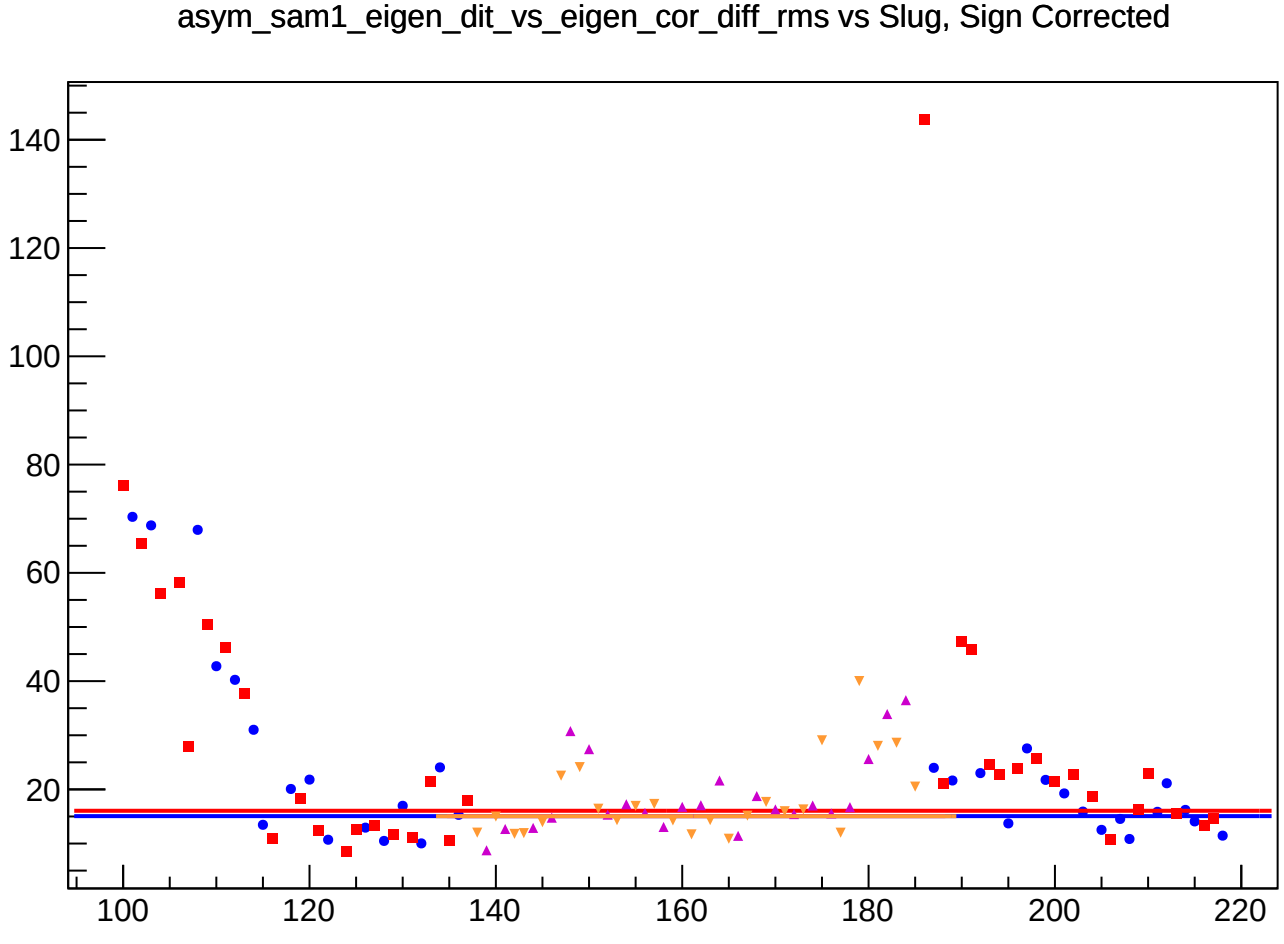
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 83.4/67

In: 0.001+/-0.003 χ^2/NDF:73.1/54

Out: 0.001+/-0.003 χ^2/NDF:79.5/60

All: 0.001+/-0.002 χ^2/NDF: 152.7/115



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: 16.054+/-0.003 χ^2/NDF: 6638728.1/35

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

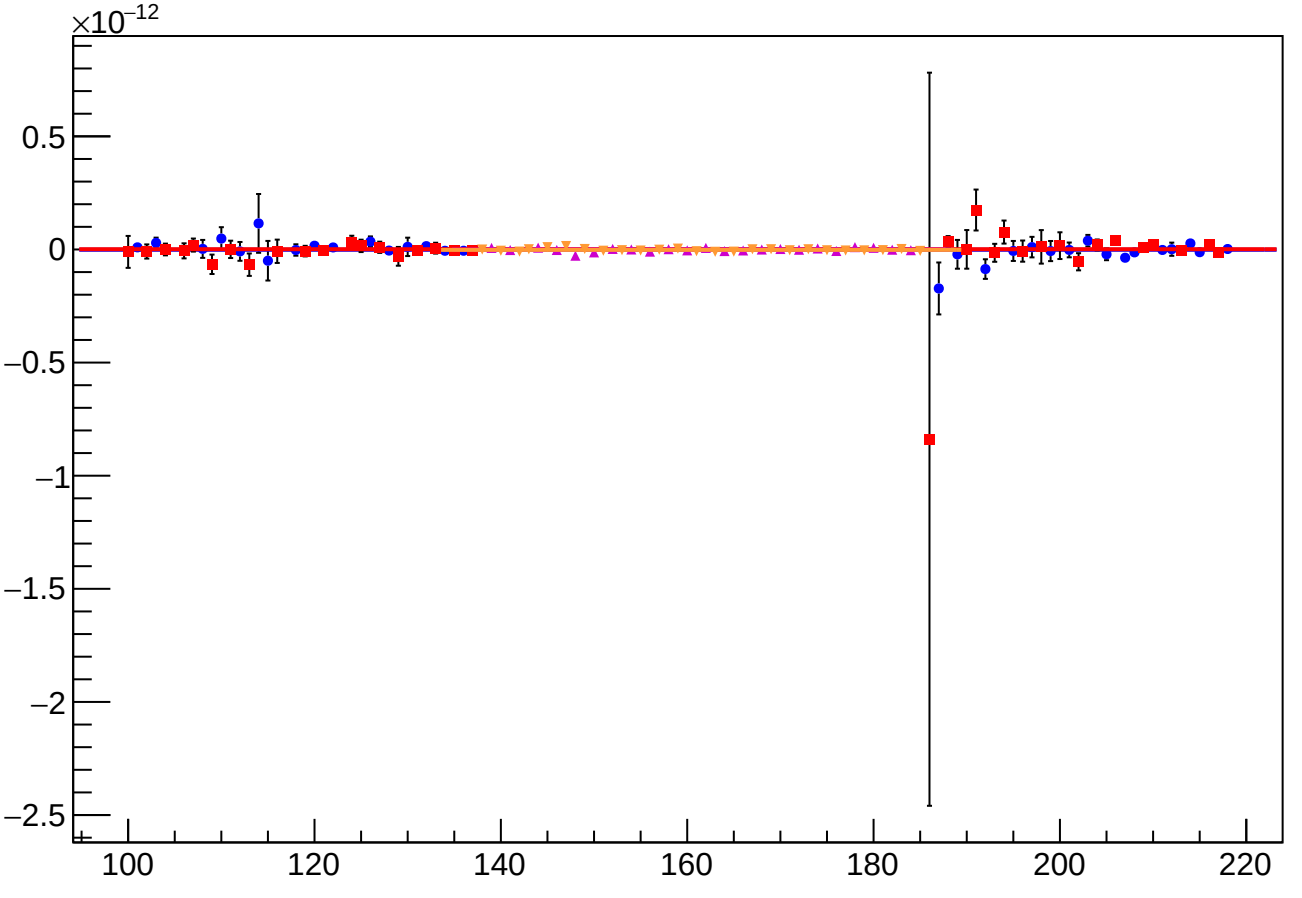
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.524+/-0.002 χ^2/NDF: 11686722.0/67

In: 15.065+/-0.002 χ^2/NDF:8050046.6/54

Out: 15.504+/-0.002 χ^2/NDF:9465165.9/60

All: 15.282+/-0.001 χ^2/NDF: 17541587.6/115



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: 26.5/35

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

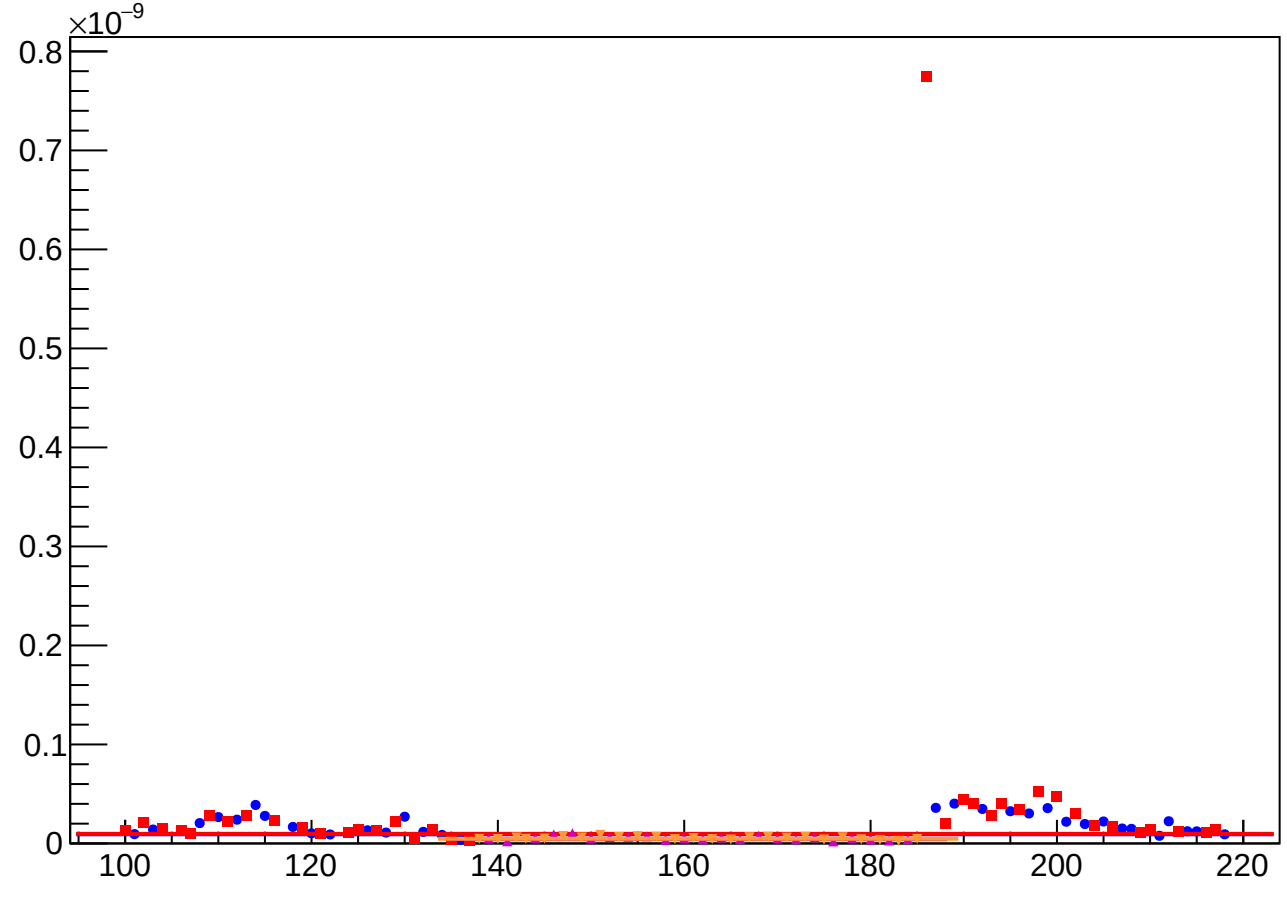
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 53.5/67

In: -0.000+/-0.000 χ^2/NDF:48.1/54

Out: -0.000+/-0.000 χ^2/NDF:42.4/60

All: -0.000+/-0.000 χ^2/NDF: 90.7/115



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: 11291987.6/35

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

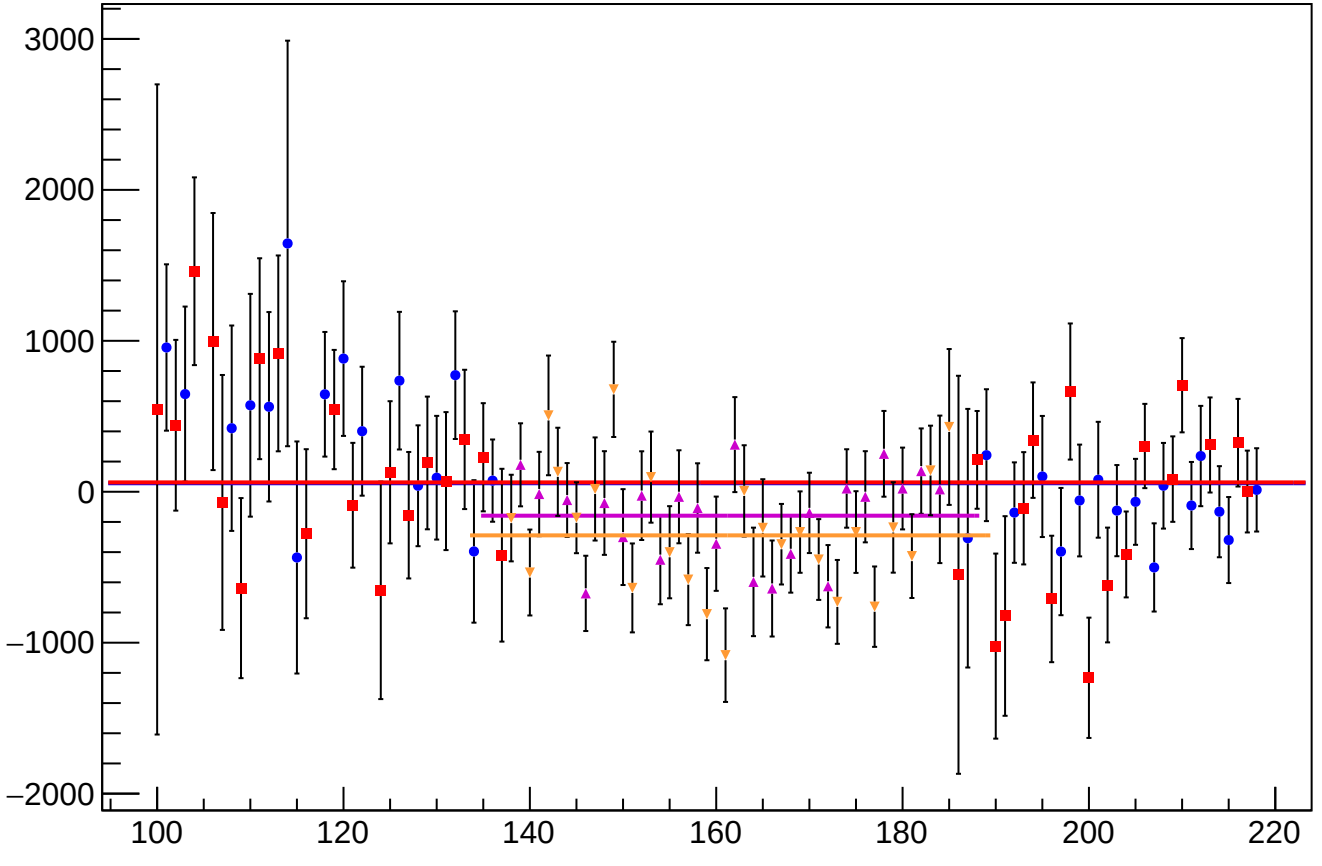
Right: 0.000+/-0.000 χ^2/NDF: 20716187.2/67

In: 0.000+/-0.000 χ^2/NDF:17338456.8/54

Out: 0.000+/-0.000 χ^2/NDF:17187501.7/60

All: 0.000+/-0.000 χ^2/NDF: 34648497.8/115

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: 62.034+/-69.731 χ^2/NDF: 50.4/35

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

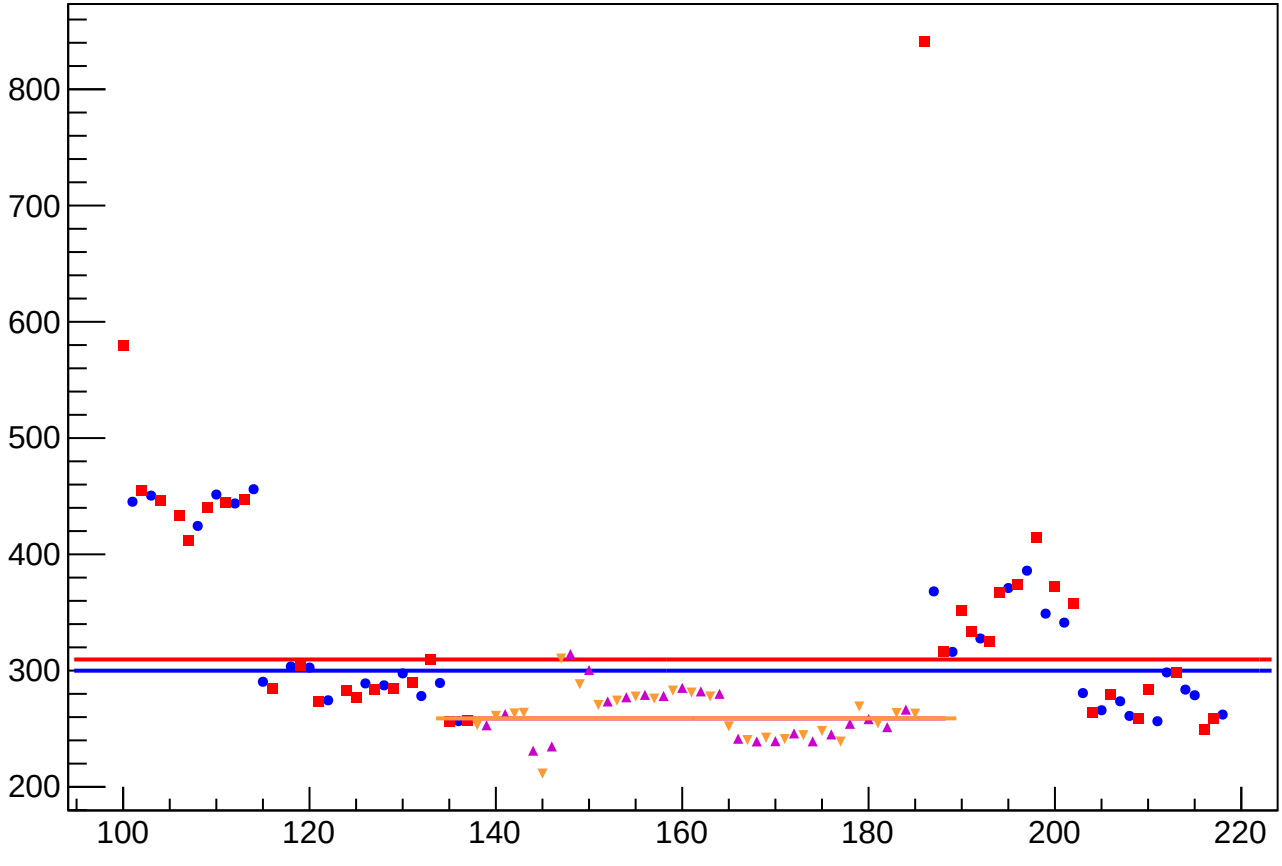
Right: 59.099+/-48.627 χ^2/NDF: 77.5/67

In: -63.039+/-45.241 χ^2/NDF:55.2/54

Out: -142.397+/-45.056 χ^2/NDF:107.6/60

All: -102.881+/-31.925 χ^2/NDF: 164.3/115

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: 309.582+/-0.049 χ^2/NDF: 1647478.7/35

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

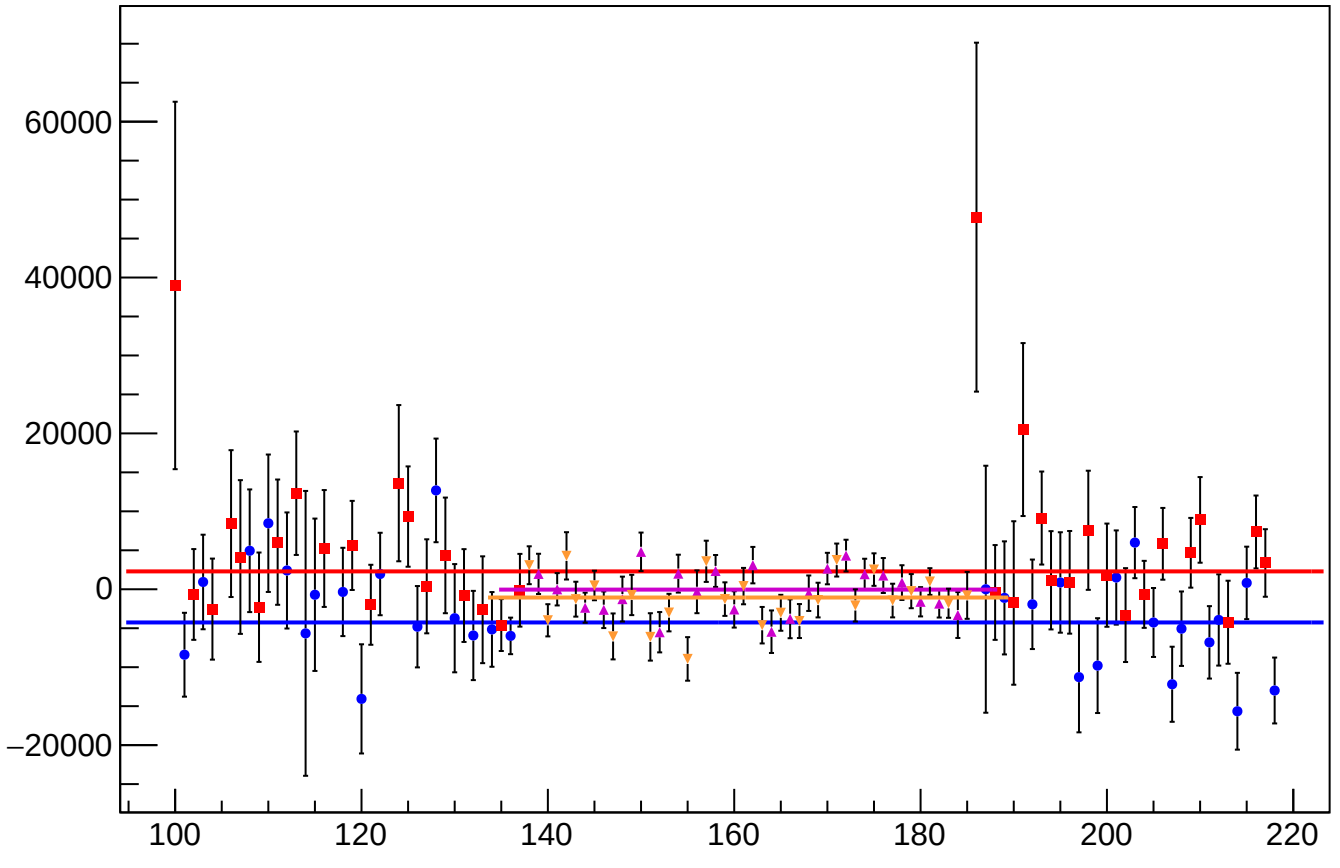
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 304.631+/-0.034 χ^2/NDF: 2716171.9/67

In: 277.118+/-0.032 χ^2/NDF:1701620.6/54

Out: 280.067+/-0.032 χ^2/NDF:2511358.4/60

All: 278.598+/-0.023 χ^2/NDF: 4217246.3/115



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: 2293.124+/-1005.745 χ^2/NDF: 30.5/35

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

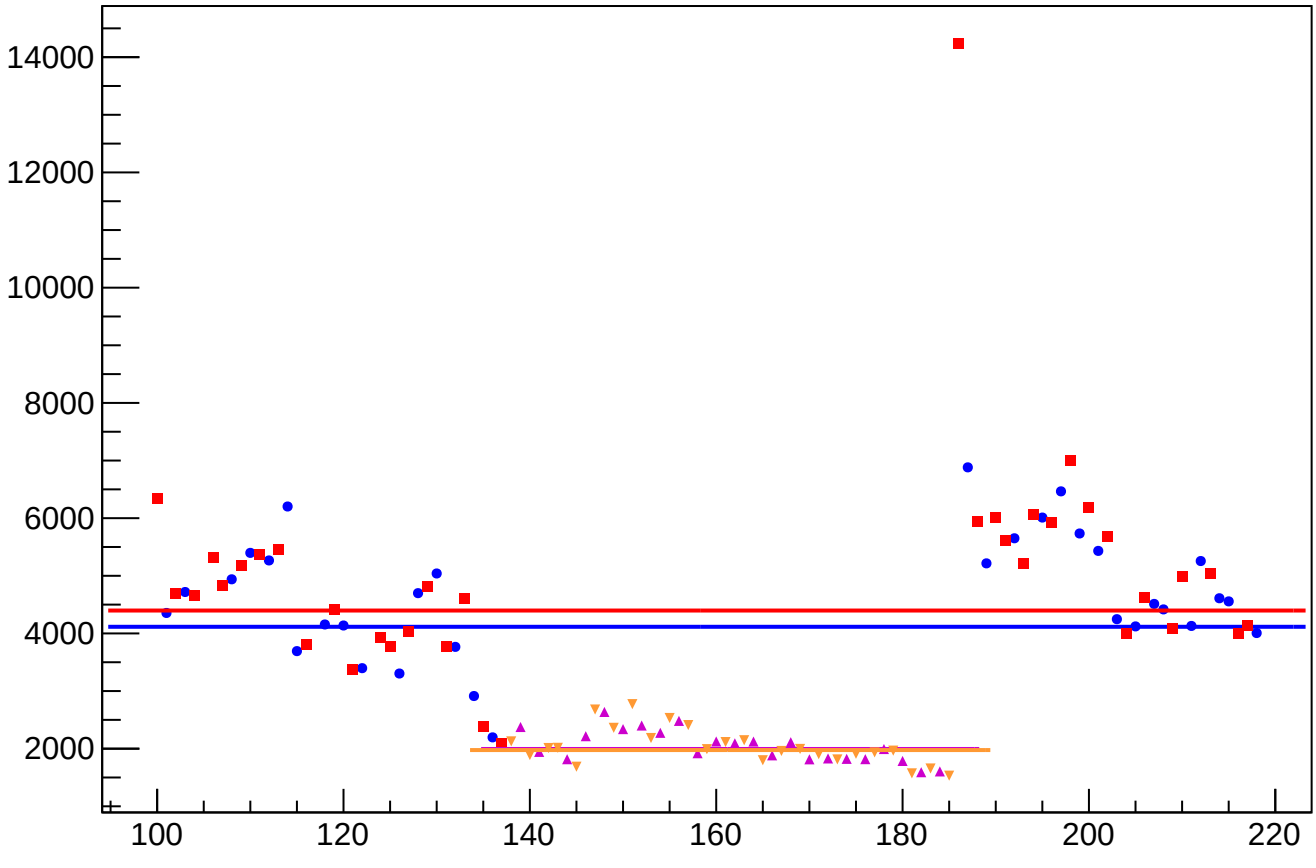
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1160.876+/-691.594 χ^2/NDF: 92.3/67

In: -871.547+/-421.990 χ^2/NDF:89.3/54

Out: -490.404+/-414.288 χ^2/NDF:81.3/60

All: -677.465+/-295.631 χ^2/NDF: 171.0/115



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: 4397.295+/-0.711 χ^2/NDF: 2954566.4/35

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

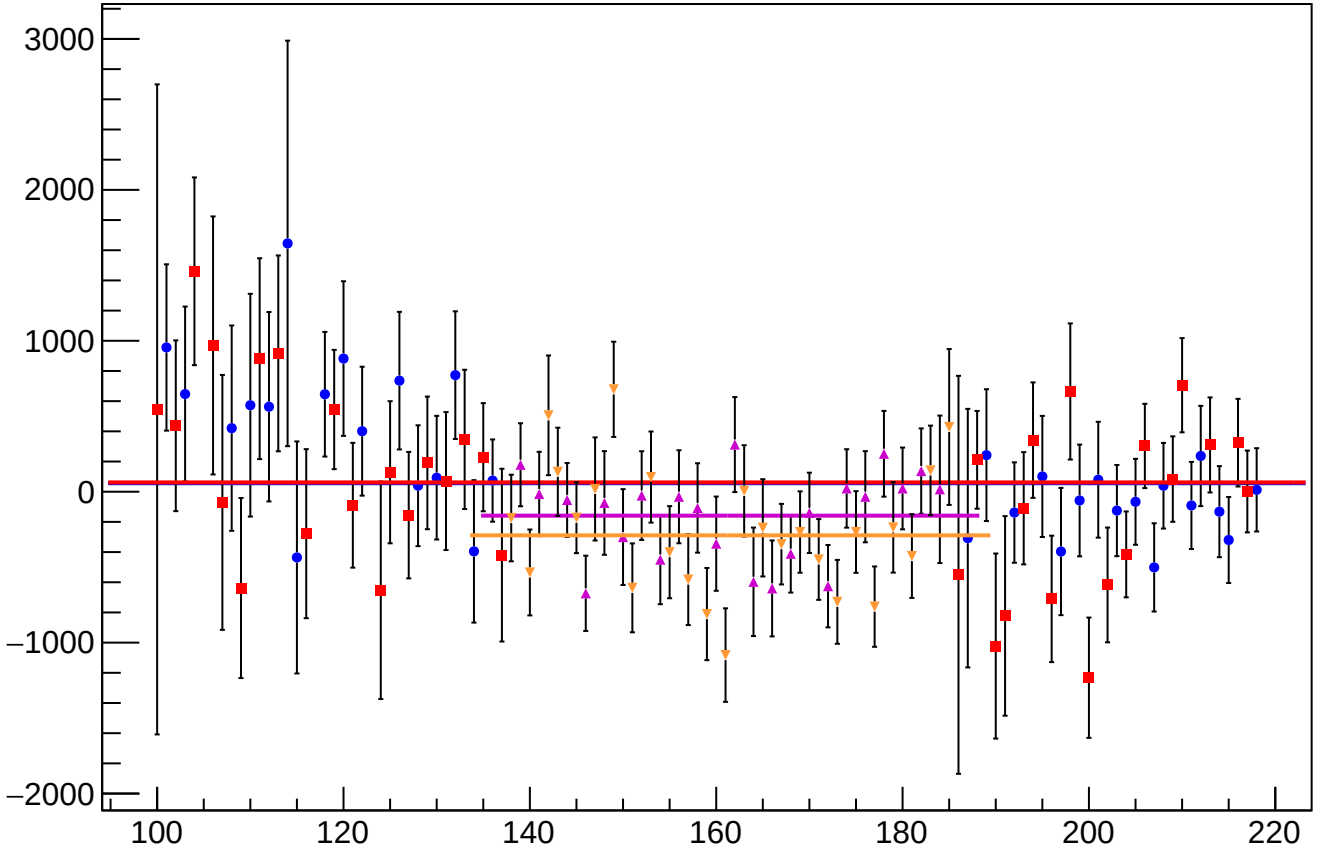
Right: 4248.590+/-0.489 χ^2/NDF: 5831249.4/67

In: 2410.920+/-0.298 χ^2/NDF:11359501.1/54

Out: 2386.817+/-0.293 χ^2/NDF:13343030.8/60

All: 2398.646+/-0.209 χ^2/NDF: 24705854.4/1

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: 61.748+/-69.733 χ^2/NDF: 50.3/35

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

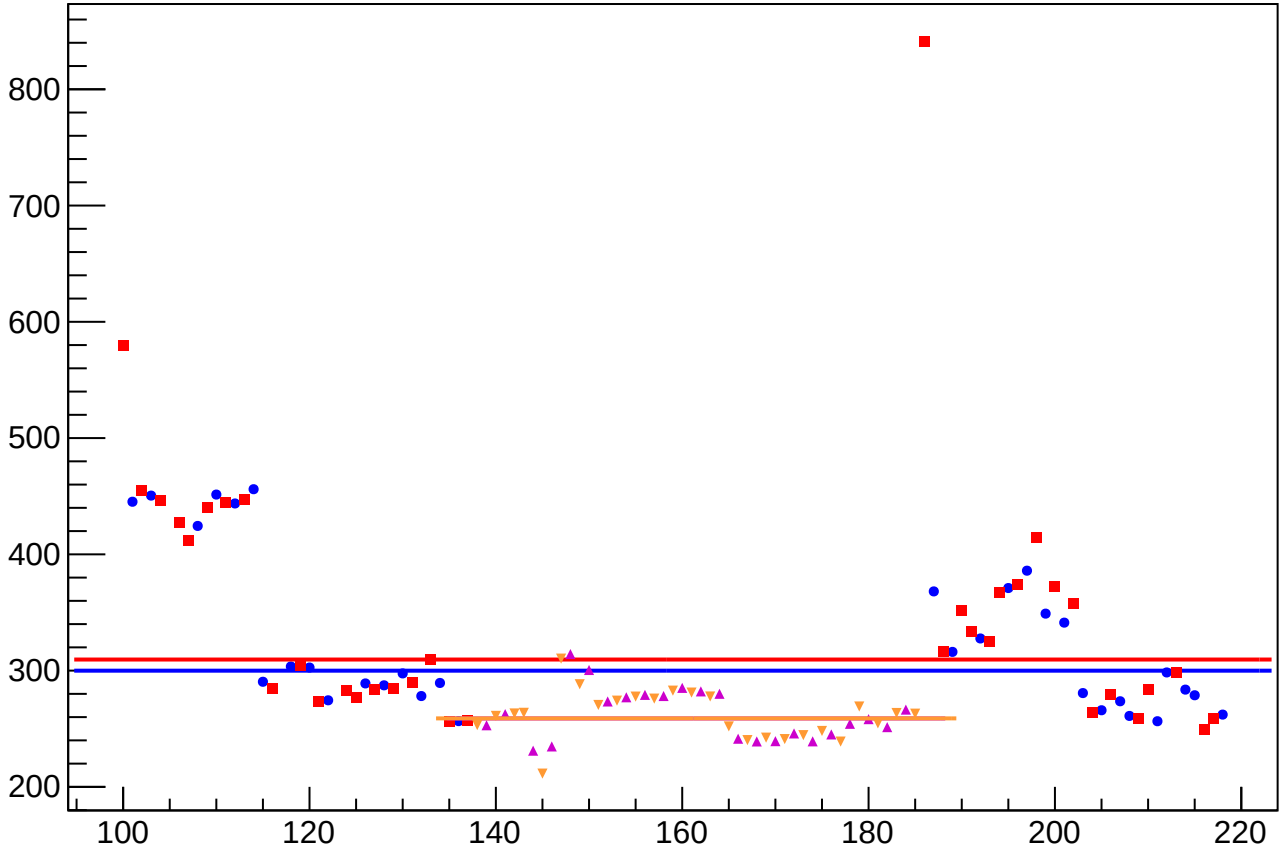
Right: 58.950+/-48.628 χ^2/NDF: 77.5/67

In: -63.055+/-45.241 χ^2/NDF:55.2/54

Out: -142.524+/-45.057 χ^2/NDF:107.5/60

All: -102.952+/-31.925 χ^2/NDF: 164.2/115

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: 309.531+/-0.049 χ^2/NDF: 1642893.4/35

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

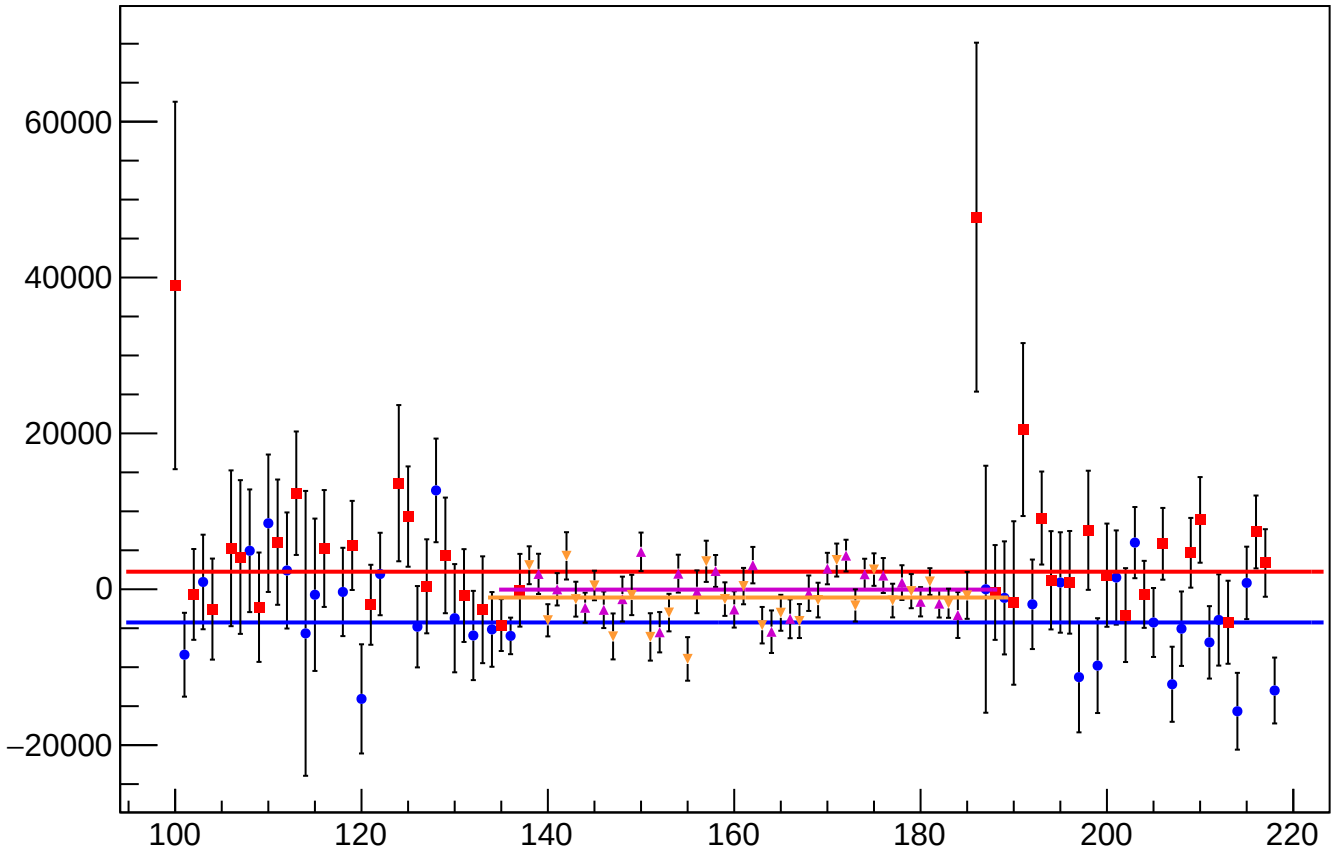
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 304.606+/-0.034 χ^2/NDF: 2711382.3/67

In: 277.118+/-0.032 χ^2/NDF:1701622.1/54

Out: 280.045+/-0.032 χ^2/NDF:2505525.1/60

All: 278.587+/-0.023 χ^2/NDF: 4211351.5/115



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: 2253.513+/-1006.401 χ^2/NDF: 30.2/35

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

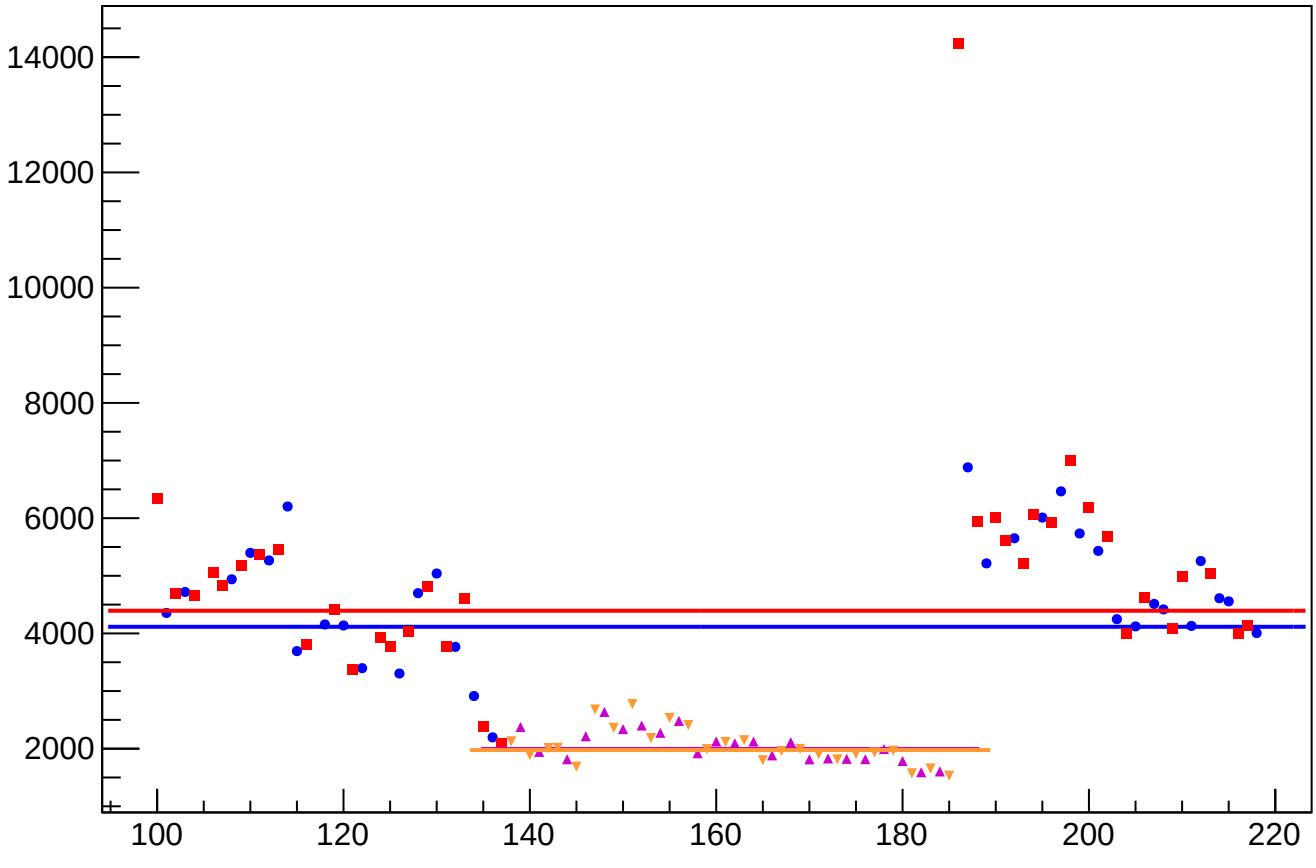
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1181.708+/-691.807 χ^2/NDF: 91.7/67

In: -871.539+/-421.990 χ^2/NDF:89.3/54

Out: -497.735+/-414.334 χ^2/NDF:80.7/60

All: -681.216+/-295.648 χ^2/NDF: 170.4/115



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: 4393.707+/-0.712 χ^2/NDF: 2944742.2/35

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

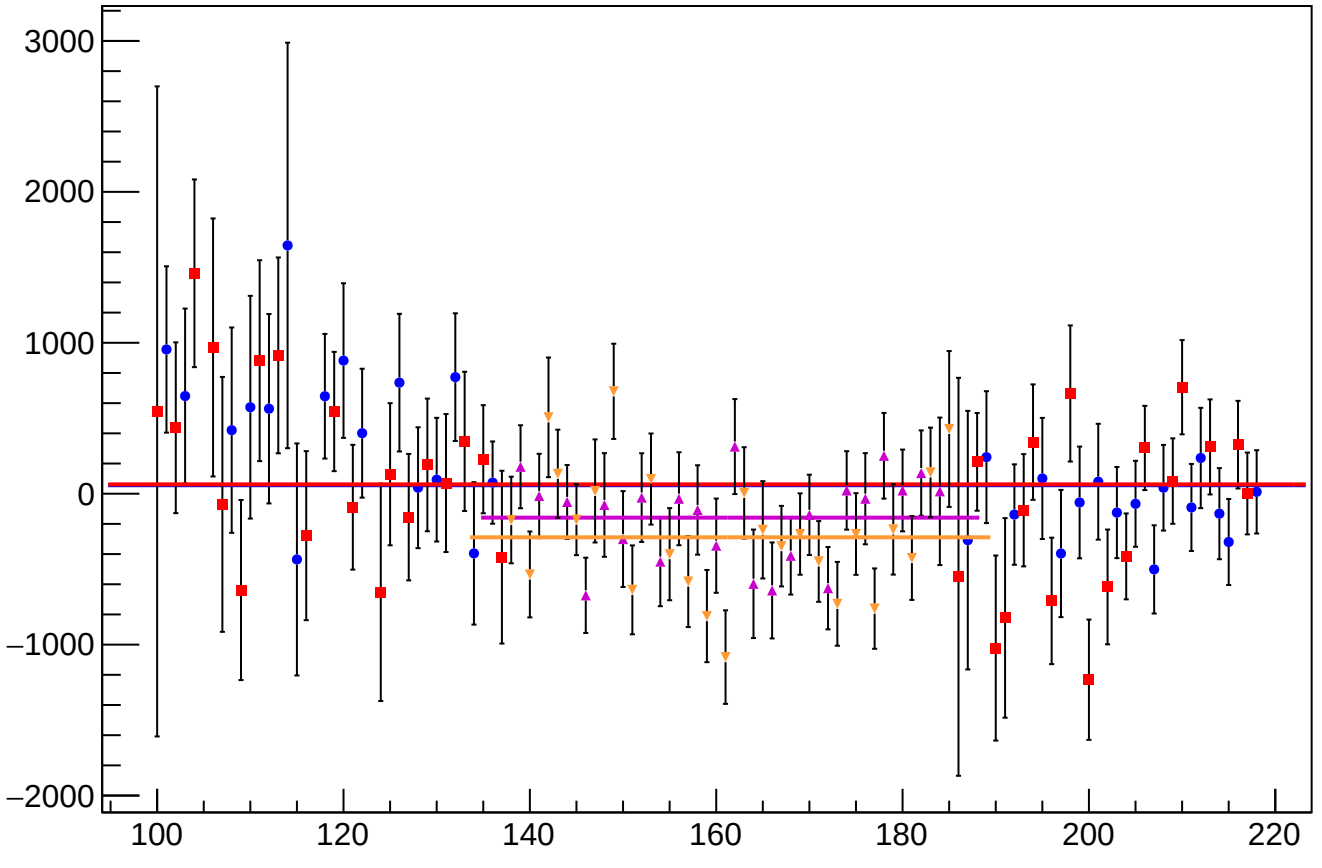
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4246.805+/-0.489 χ^2/NDF: 5819278.8/67

In: 2410.920+/-0.298 χ^2/NDF:11359519.5/54

Out: 2385.764+/-0.293 χ^2/NDF:13294318.5/60

All: 2398.112+/-0.209 χ^2/NDF: 24657456.6/1



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: 61.748+/-69.733 χ^2/NDF: 50.3/35

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

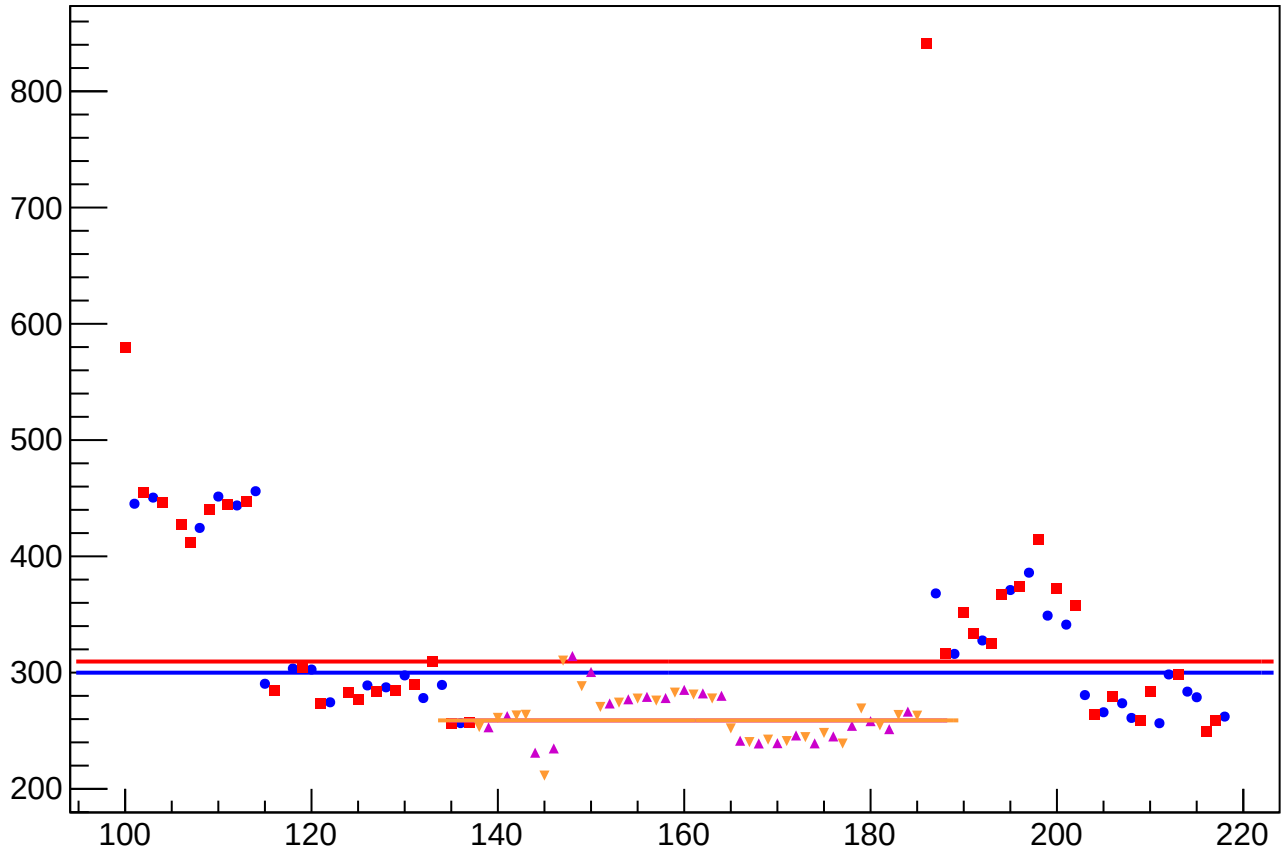
Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

Right: 58.950+/-48.628 χ^2/NDF: 77.5/67

In: -63.055+/-45.241 χ^2/NDF:55.2/54

Out: -142.524+/-45.057 χ^2/NDF:107.5/60

All: -102.952+/-31.925 χ^2/NDF: 164.2/115



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: 309.531+/-0.049 χ^2/NDF: 1642893.4/35

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

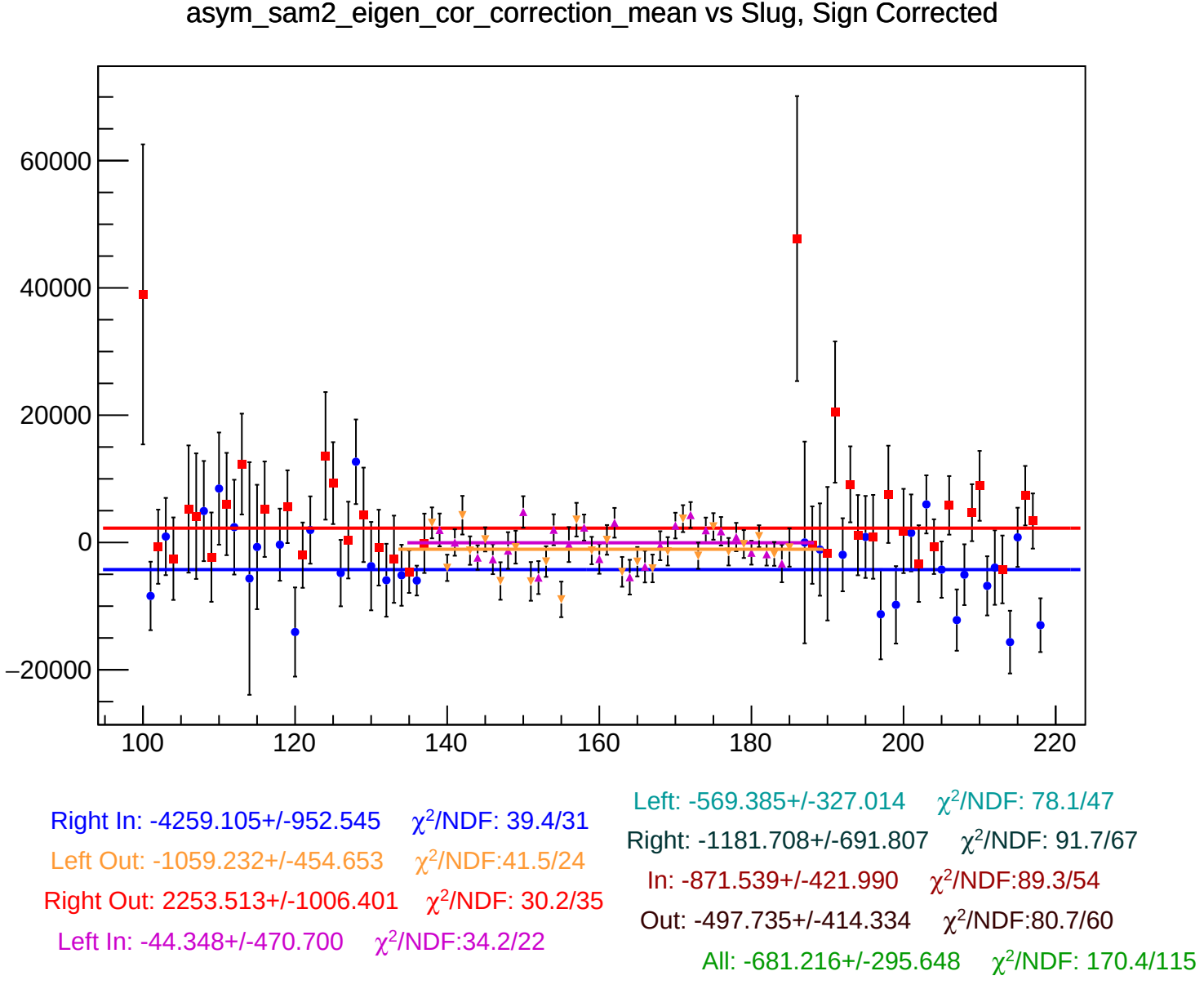
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

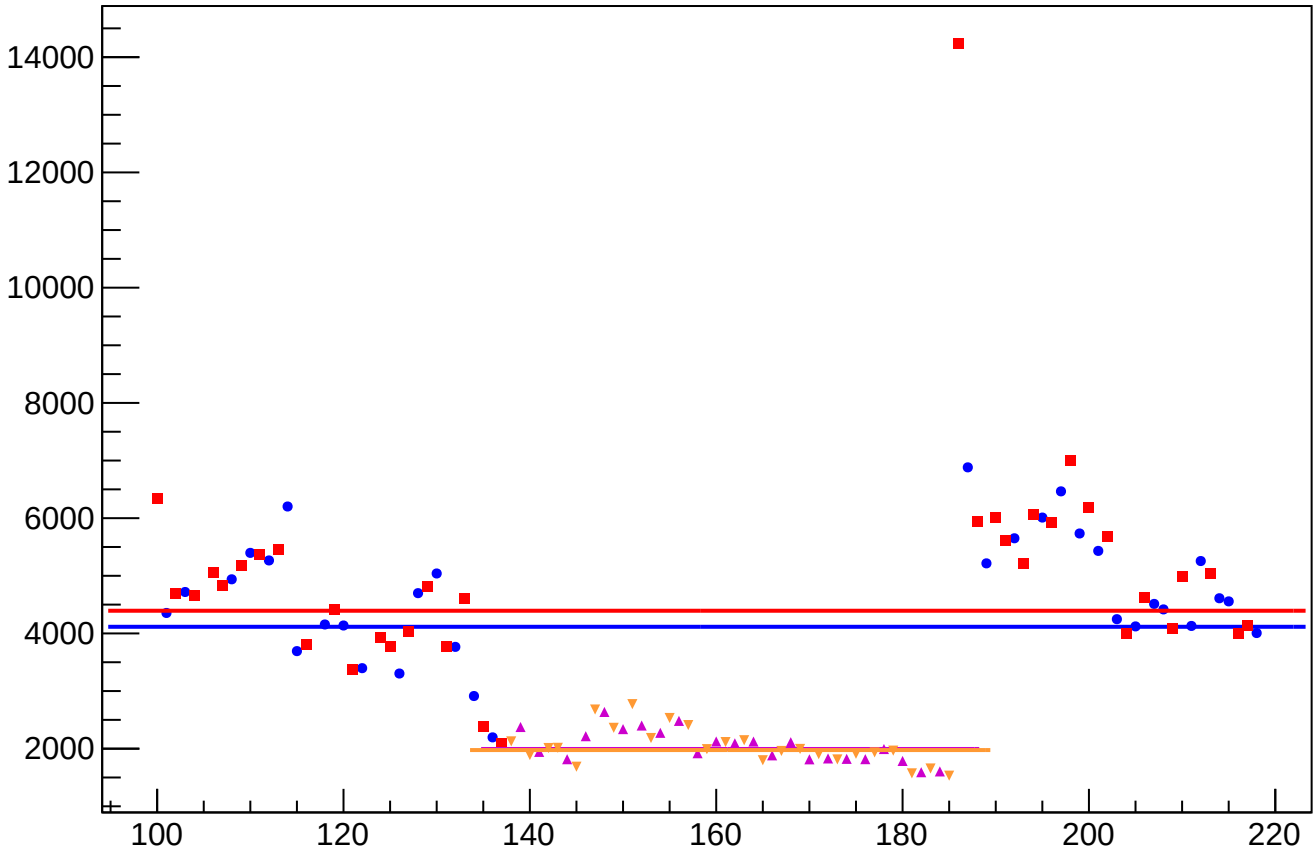
Right: 304.606+/-0.034 χ^2/NDF: 2711382.3/67

In: 277.118+/-0.032 χ^2/NDF:1701622.1/54

Out: 280.045+/-0.032 χ^2/NDF:2505525.1/60

All: 278.587+/-0.023 χ^2/NDF: 4211351.5/115


asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
100
120
140
160
180
200
220
Right In: -4259.105+/-952.545 χ²/NDF: 39.4/31
Left Out: -1059.232+/-454.653 χ²/NDF:41.5/24
Right Out: 2253.513+/-1006.401 χ²/NDF: 30.2/35
Left In: -44.348+/-470.700 χ²/NDF:34.2/22
Left: -569.385+/-327.014 χ²/NDF: 78.1/47
Right: -1181.708+/-691.807 χ²/NDF: 91.7/67
In: -871.539+/-421.990 χ²/NDF:89.3/54
Out: -497.735+/-414.334 χ²/NDF:80.7/60
All: -681.216+/-295.648 χ²/NDF: 170.4/115



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: 4393.707+/-0.712 χ^2/NDF: 2944742.2/35

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

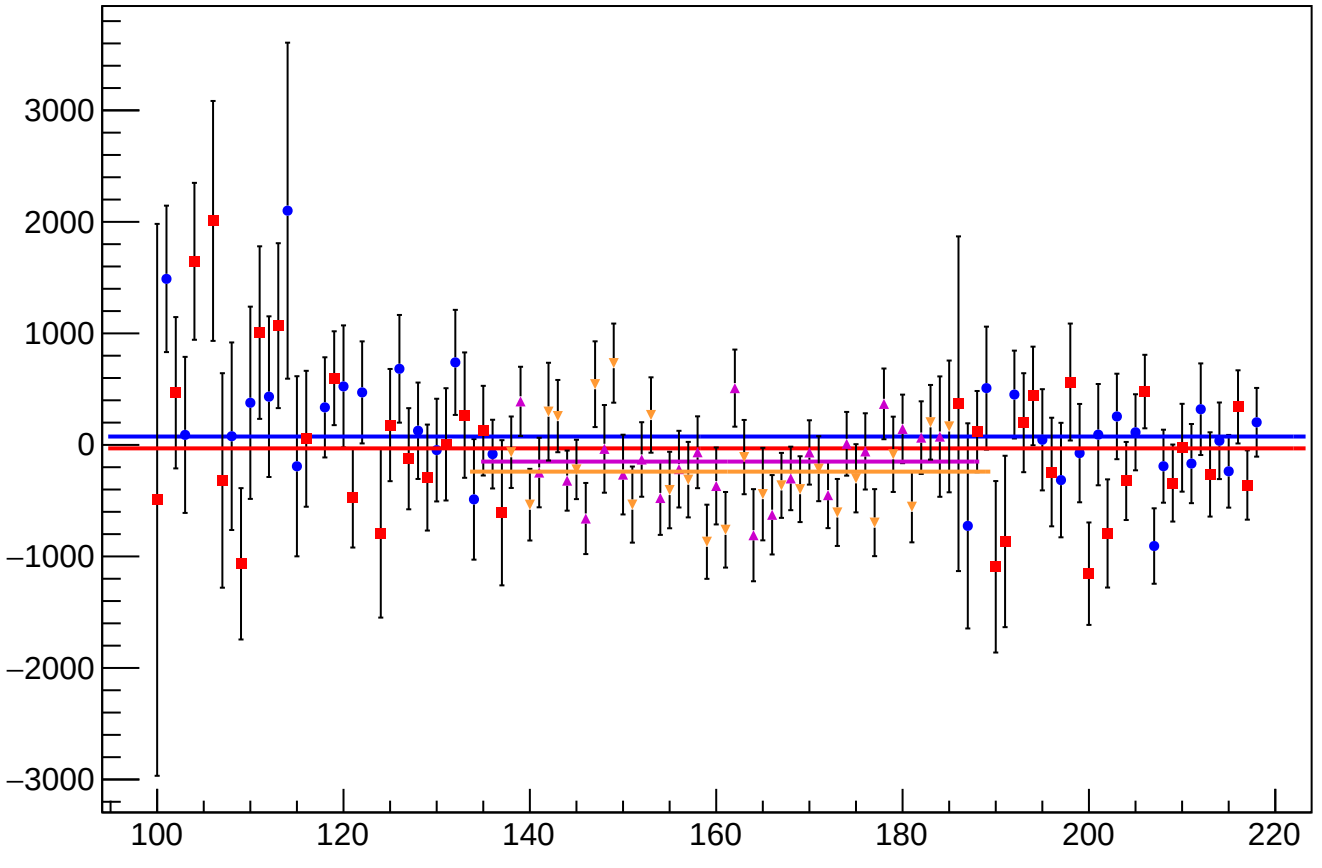
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4246.805+/-0.489 χ^2/NDF: 5819278.8/67

In: 2410.920+/-0.298 χ^2/NDF:11359519.5/54

Out: 2385.764+/-0.293 χ^2/NDF:13294318.5/60

All: 2398.112+/-0.209 χ^2/NDF: 24657456.6/1



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: -31.025+/-80.772 χ^2/NDF: 43.6/35

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

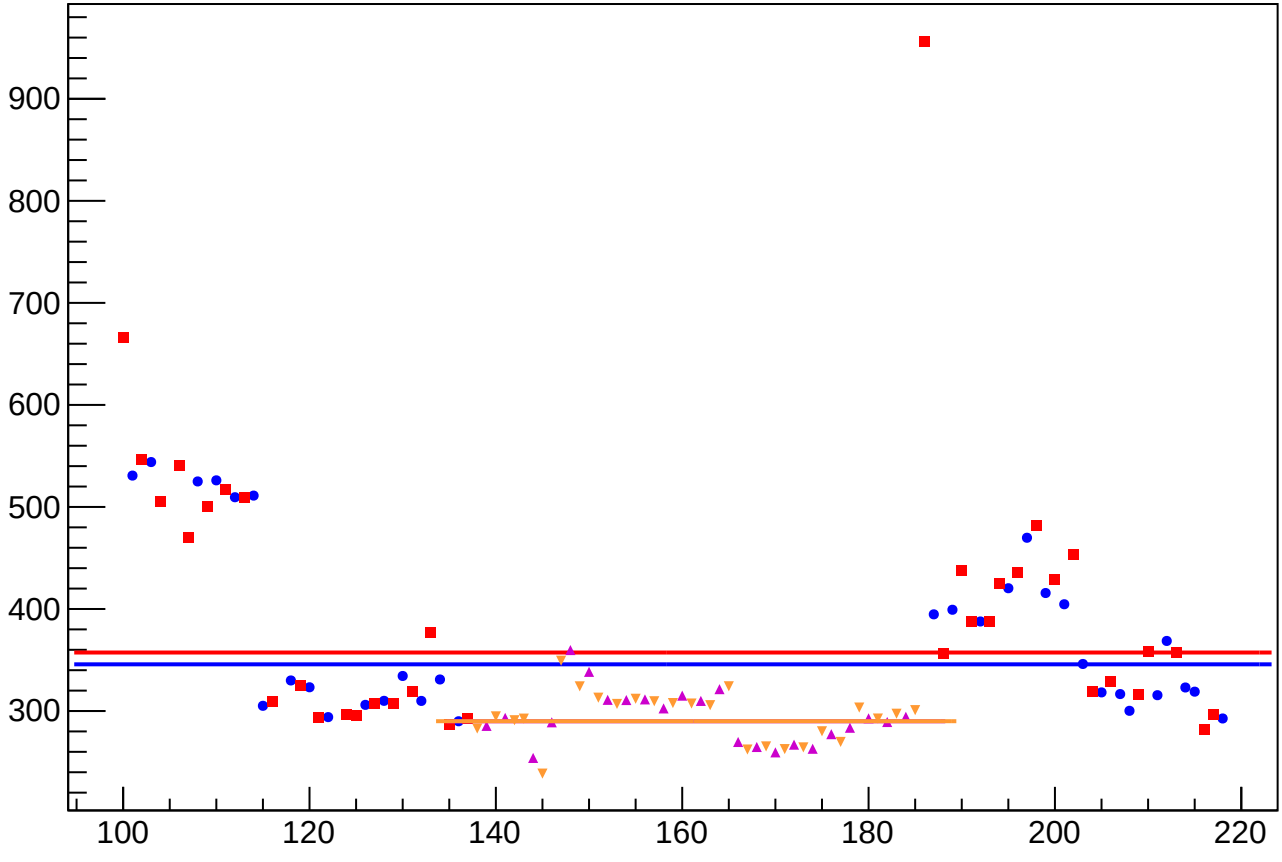
Right: 23.588+/-56.295 χ^2/NDF: 72.5/67

In: -52.938+/-51.467 χ^2/NDF:54.3/54

Out: -155.810+/-51.185 χ^2/NDF:81.7/60

All: -104.657+/-36.293 χ^2/NDF: 138.0/115

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: 357.334+/-0.057 χ^2/NDF: 1808626.0/35

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

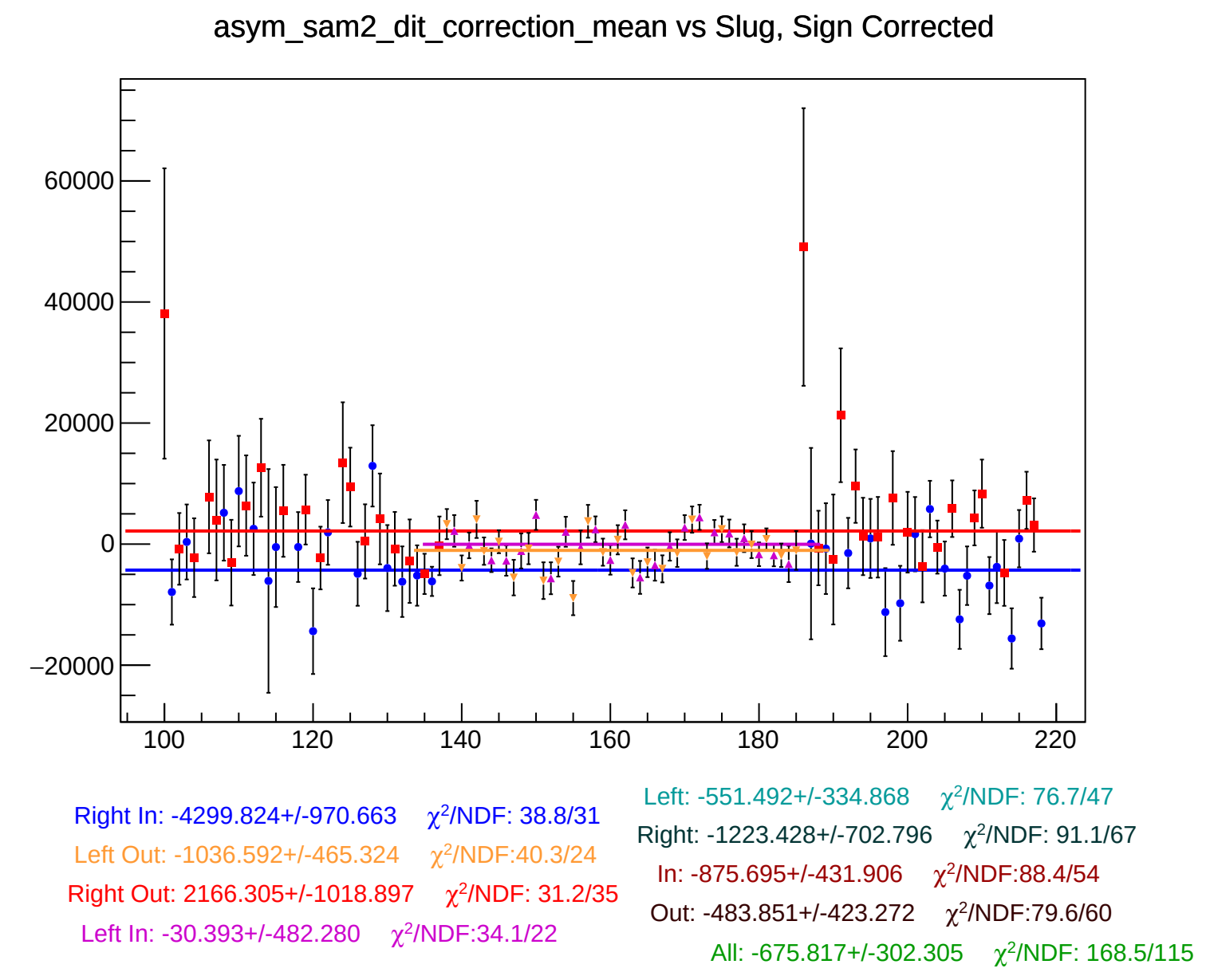
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

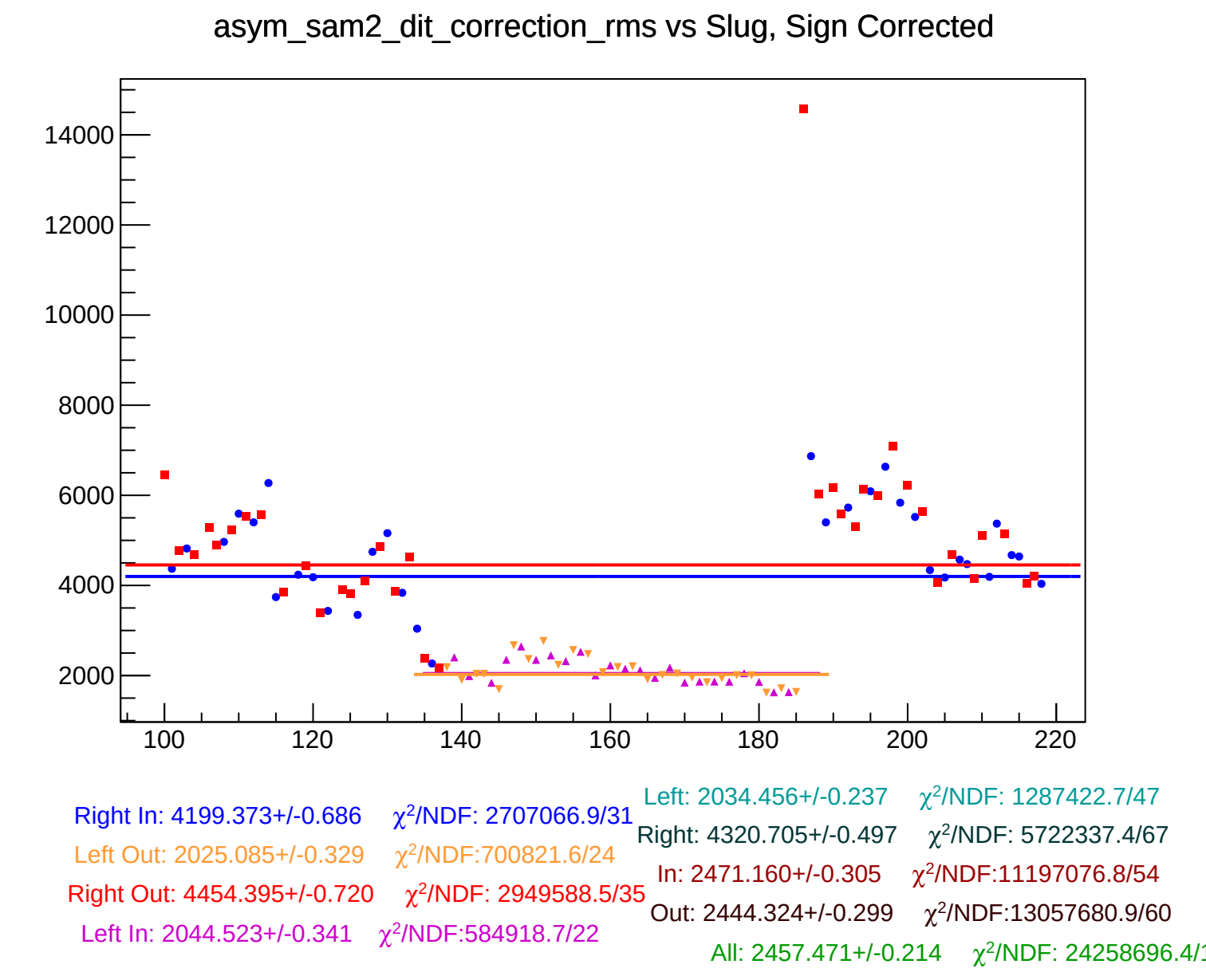
Right: 351.384+/-0.040 χ^2/NDF: 3069431.1/67

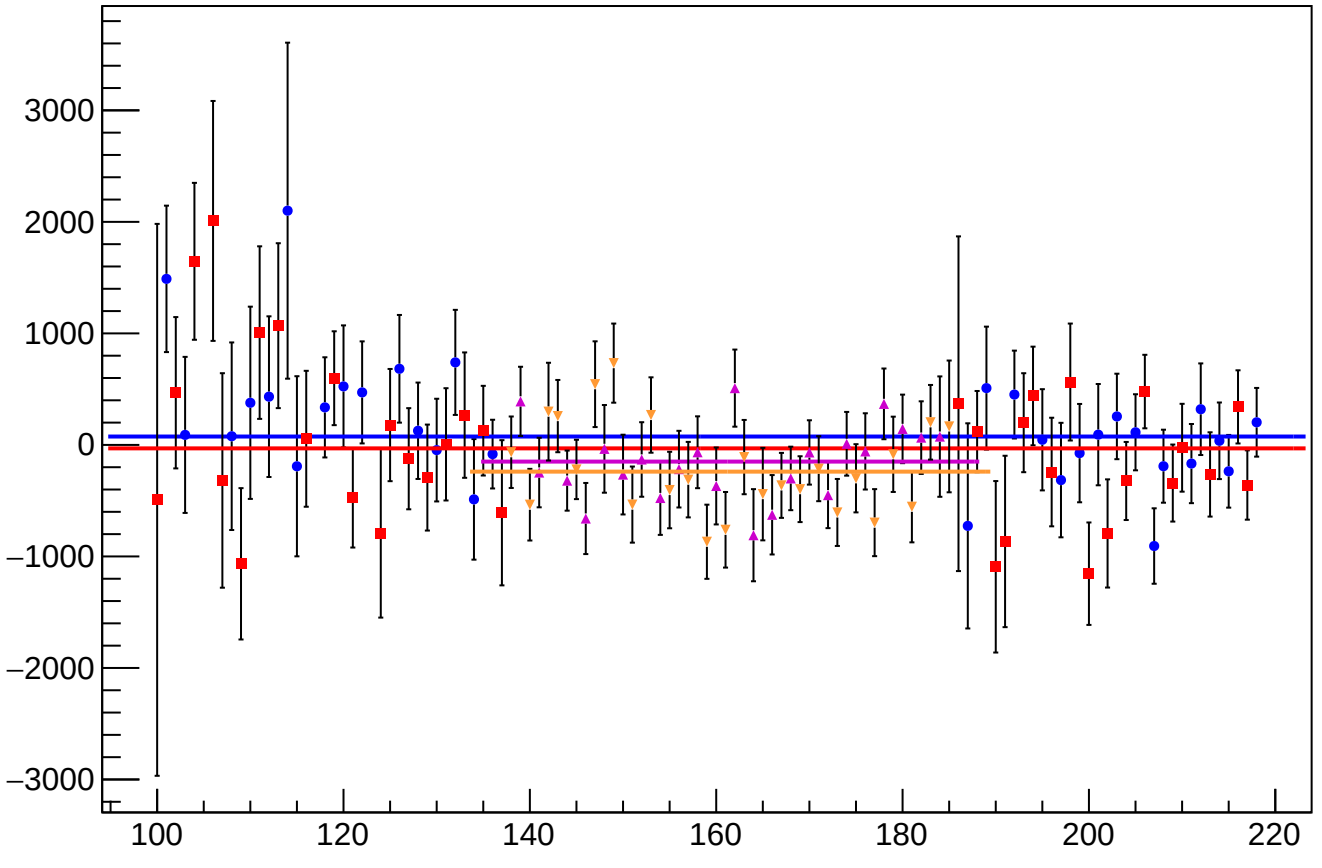
In: 313.935+/-0.036 χ^2/NDF:2085965.8/54

Out: 317.054+/-0.036 χ^2/NDF:2920442.8/60

All: 315.503+/-0.026 χ^2/NDF: 5010101.4/115


asym_sam2_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
100
120
140
160
180
200
220
Right In: -4299.824+/-970.663 χ²/NDF: 38.8/31
Left Out: -1036.592+/-465.324 χ²/NDF:40.3/24
Right Out: 2166.305+/-1018.897 χ²/NDF: 31.2/35
Left In: -30.393+/-482.280 χ²/NDF:34.1/22
Left: -551.492+/-334.868 χ²/NDF: 76.7/47
Right: -1223.428+/-702.796 χ²/NDF: 91.1/67
In: -875.695+/-431.906 χ²/NDF:88.4/54
Out: -483.851+/-423.272 χ²/NDF:79.6/60
All: -675.817+/-302.305 χ²/NDF: 168.5/115


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: 4454.395+/-0.720 χ²/NDF: 2949588.5/35
Left In: 2044.523+/-0.341 χ²/NDF:584918.7/22
Left: 2034.456+/-0.237 χ²/NDF: 1287422.7/47
Right: 4320.705+/-0.497 χ²/NDF: 5722337.4/67
In: 2471.160+/-0.305 χ²/NDF:11197076.8/54
Out: 2444.324+/-0.299 χ²/NDF:13057680.9/60
All: 2457.471+/-0.214 χ²/NDF: 24258696.4/



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: -31.027+/-80.772 χ^2/NDF: 43.6/35

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

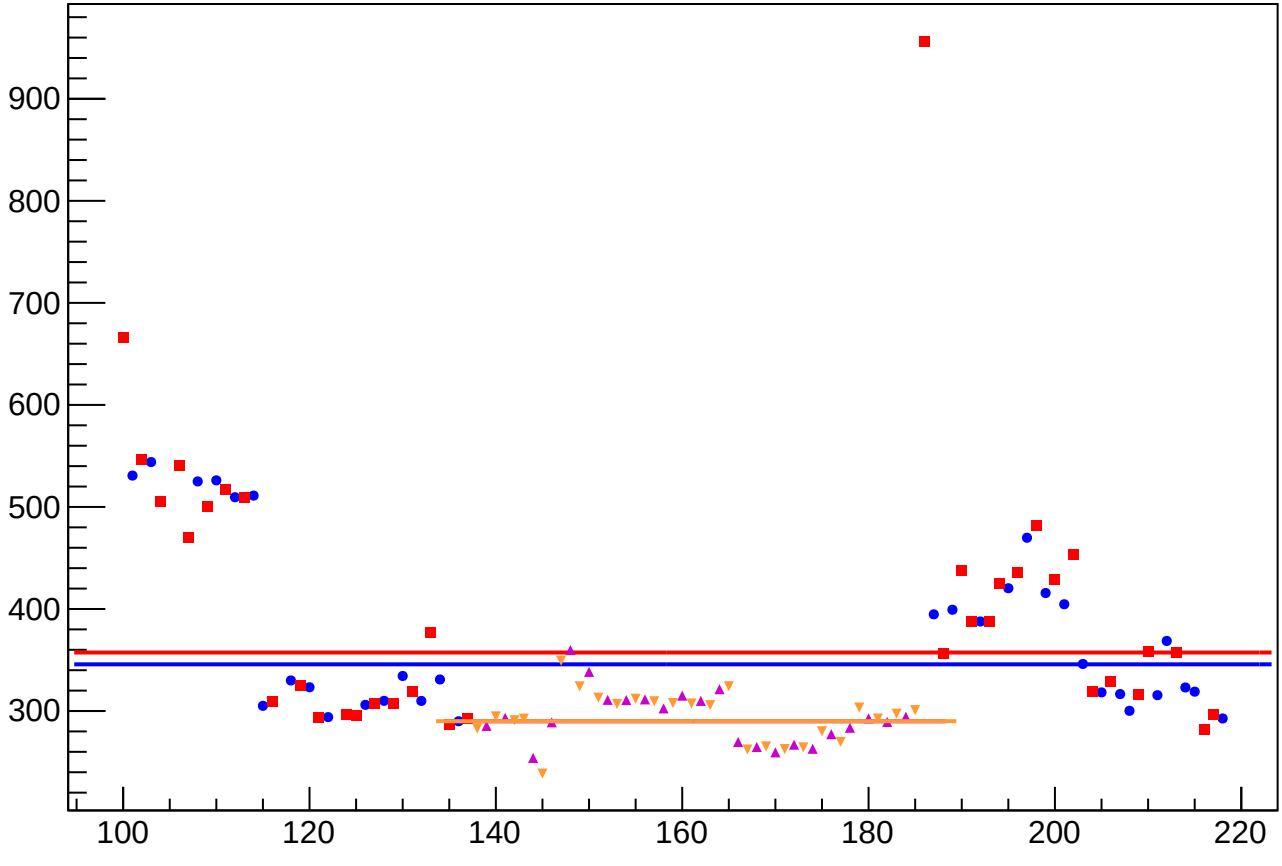
Right: 23.592+/-56.295 χ^2/NDF: 72.5/67

In: -52.935+/-51.467 χ^2/NDF:54.3/54

Out: -155.813+/-51.185 χ^2/NDF:81.7/60

All: -104.657+/-36.293 χ^2/NDF: 138.0/115

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



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: 357.334+/-0.057 χ^2/NDF: 1808613.6/35

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

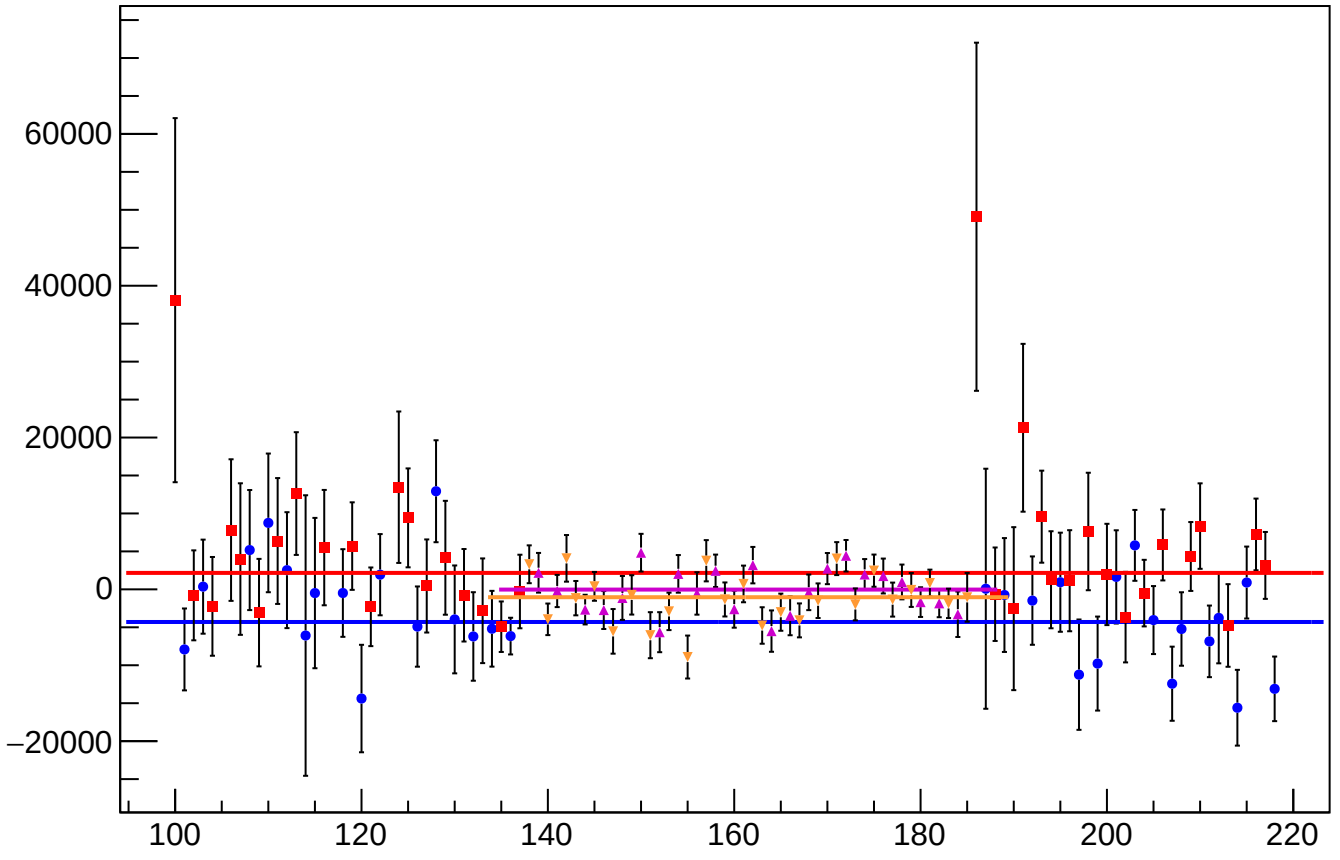
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 351.383+/-0.040 χ^2/NDF: 3069415.3/67

In: 313.934+/-0.036 χ^2/NDF:2085950.6/54

Out: 317.054+/-0.036 χ^2/NDF:2920428.0/60

All: 315.503+/-0.026 χ^2/NDF: 5010071.9/115



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: 2166.302+/-1018.897 χ^2/NDF: 31.2/35

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

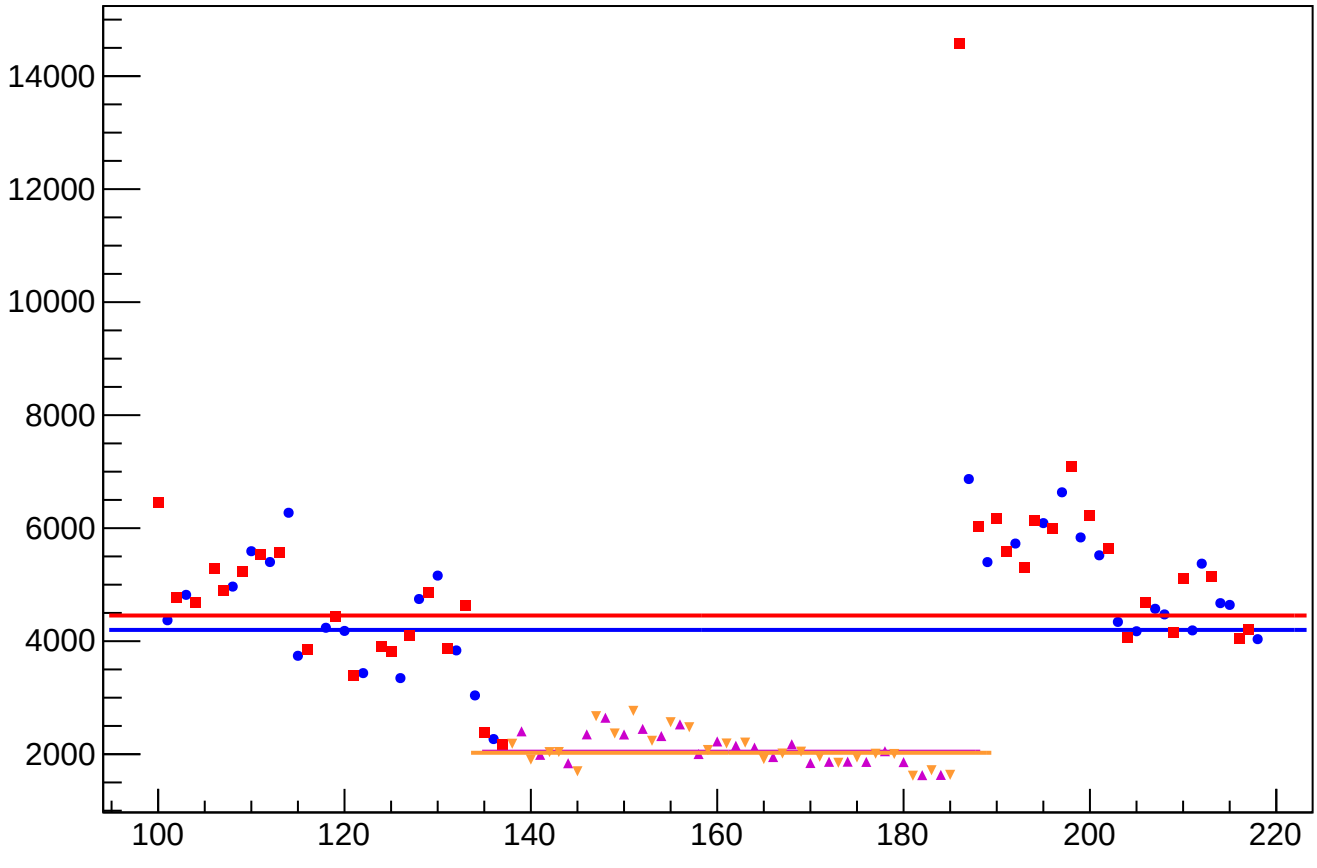
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -1223.428+/-702.795 χ^2/NDF: 91.1/67

In: -875.694+/-431.906 χ^2/NDF:88.4/54

Out: -483.851+/-423.272 χ^2/NDF:79.6/60

All: -675.817+/-302.305 χ^2/NDF: 168.5/115



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: 4454.393+/-0.720 χ^2/NDF: 2949583.2/35

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

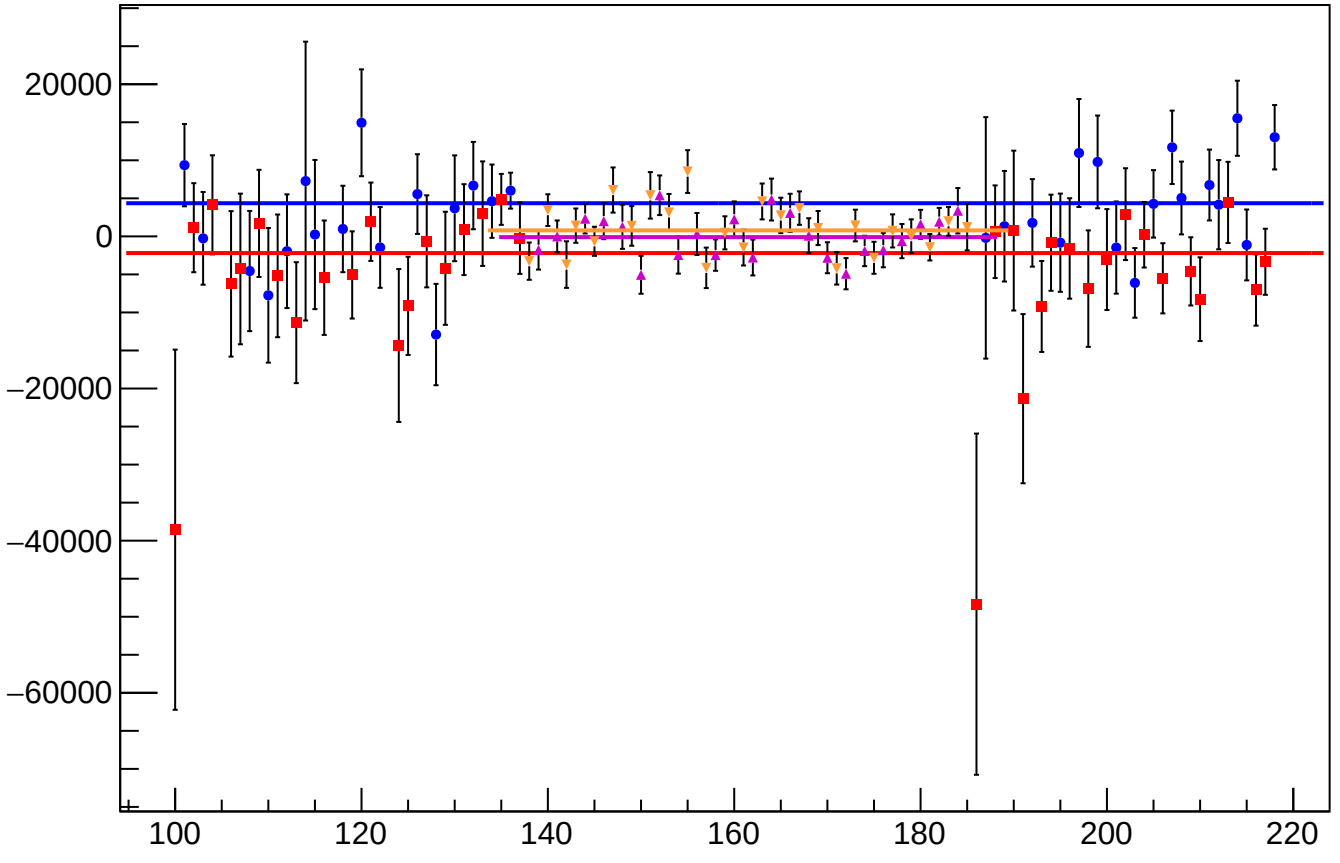
Right: 4320.702+/-0.497 χ^2/NDF: 5722325.3/67

In: 2471.160+/-0.305 χ^2/NDF:11197066.5/54

Out: 2444.324+/-0.299 χ^2/NDF:13057669.9/60

All: 2457.471+/-0.214 χ^2/NDF: 24258675.0/1

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: -2191.650+/-1008.888 χ^2/NDF: 30.0/35

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

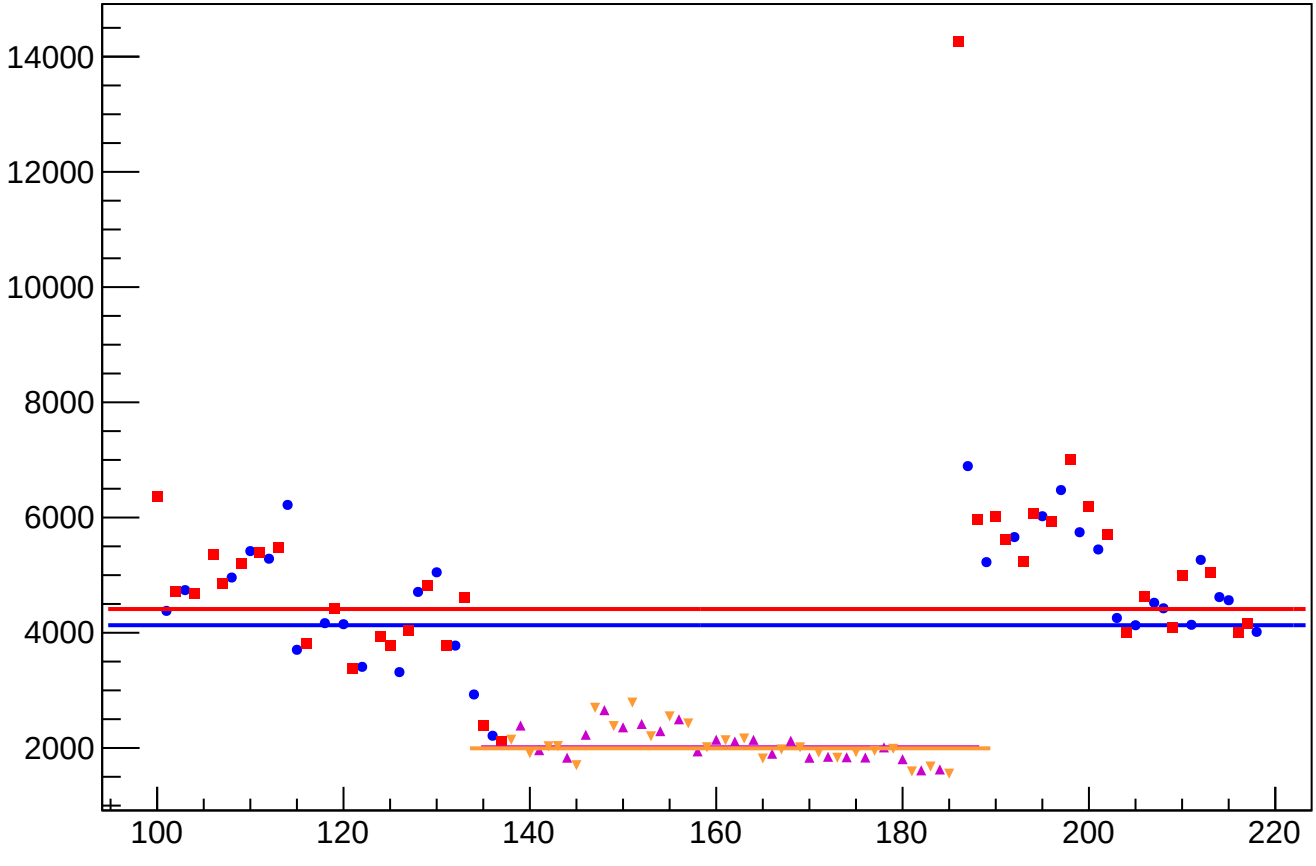
Right: 1260.544+/-693.852 χ^2/NDF: 91.2/67

In: 785.250+/-425.240 χ^2/NDF:89.2/54

Out: 277.793+/-417.587 χ^2/NDF:78.5/60

All: 526.914+/-297.947 χ^2/NDF: 168.5/115

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: 4411.980+/-0.713 χ^2/NDF: 2932890.6/35

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

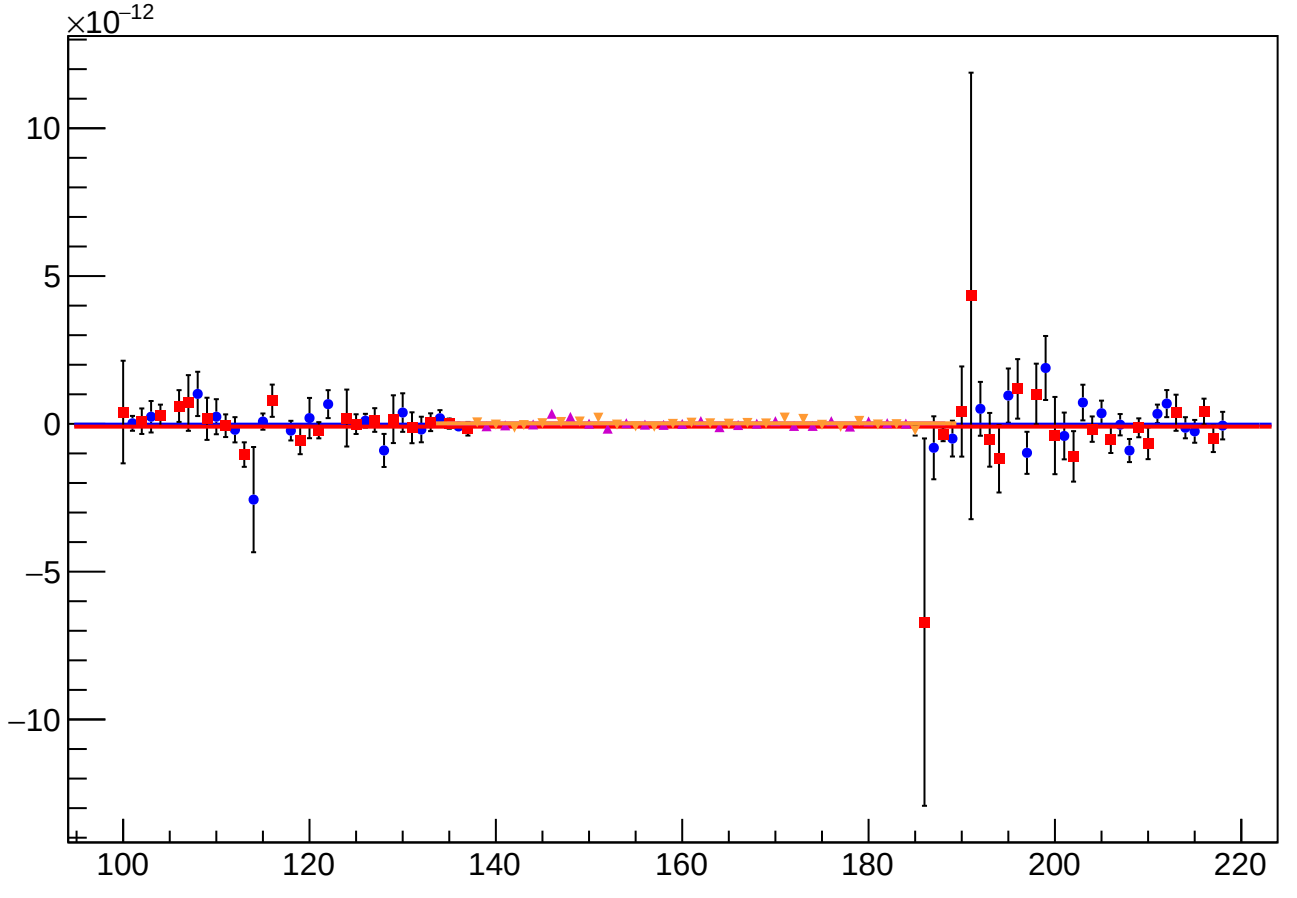
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4263.931+/-0.491 χ^2/NDF: 5775758.3/67

In: 2432.025+/-0.301 χ^2/NDF:11228359.5/54

Out: 2408.451+/-0.295 χ^2/NDF:13197442.1/60

All: 2420.024+/-0.211 χ^2/NDF: 24428930.6/1



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: 27.0/35

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

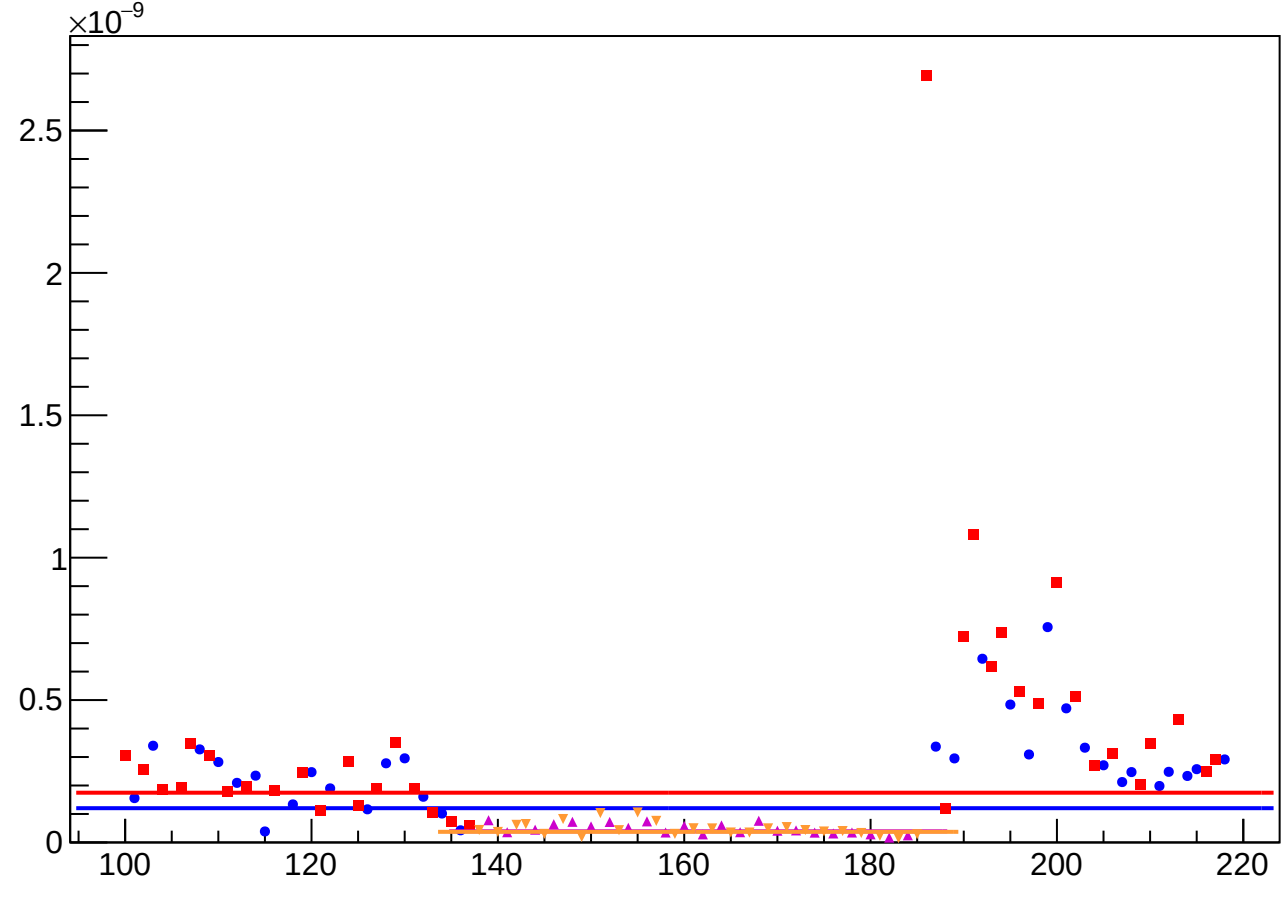
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 59.0/67

In: 0.000+/-0.000 χ^2/NDF:62.5/54

Out: 0.000+/-0.000 χ^2/NDF:50.6/60

All: 0.000+/-0.000 χ^2/NDF: 113.2/115



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: 5958073.1/35

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

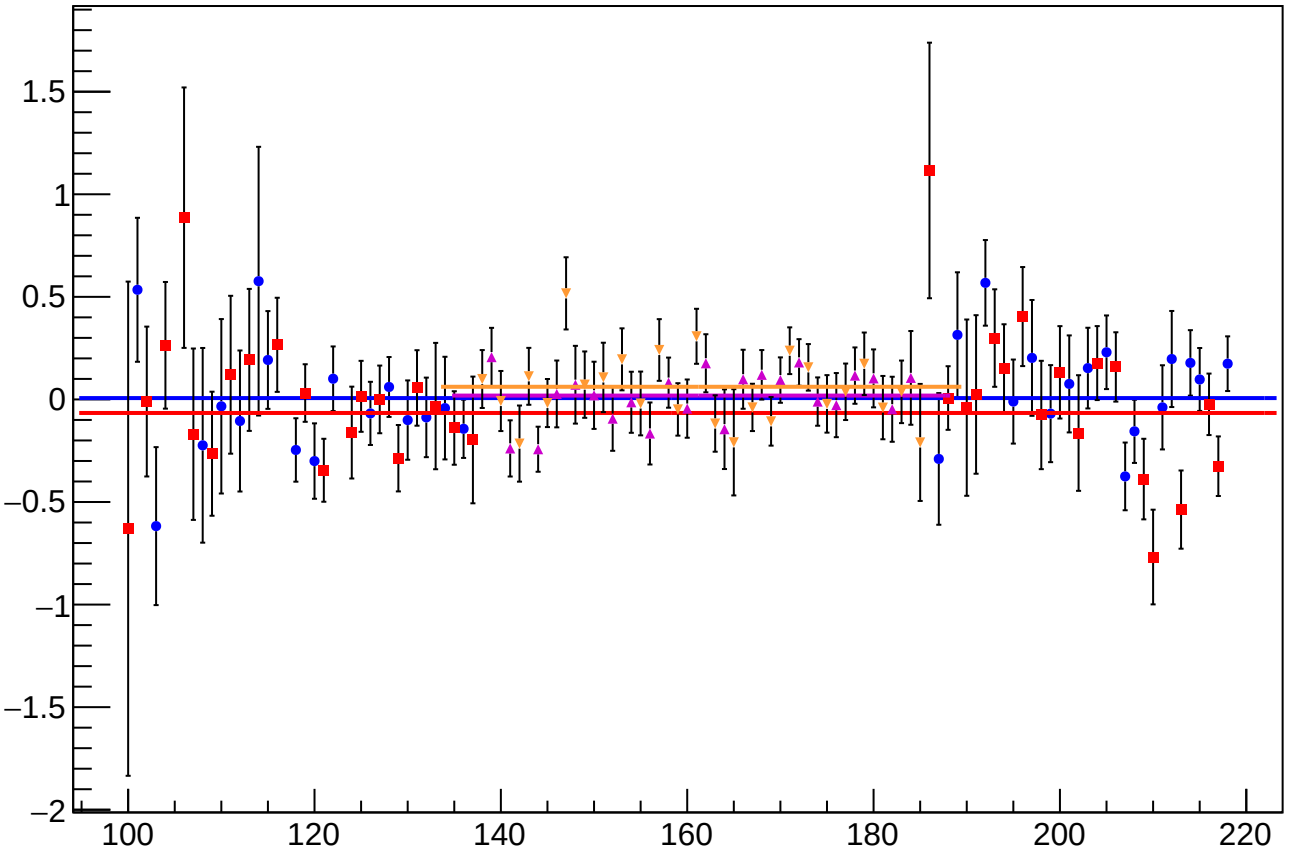
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 14451832.8/67

In: 0.000+/-0.000 χ^2/NDF:13772057.9/54

Out: 0.000+/-0.000 χ^2/NDF:15495293.0/60

All: 0.000+/-0.000 χ^2/NDF: 29292671.8/115



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: -0.066+/-0.036 χ^2/NDF: 50.9/35

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

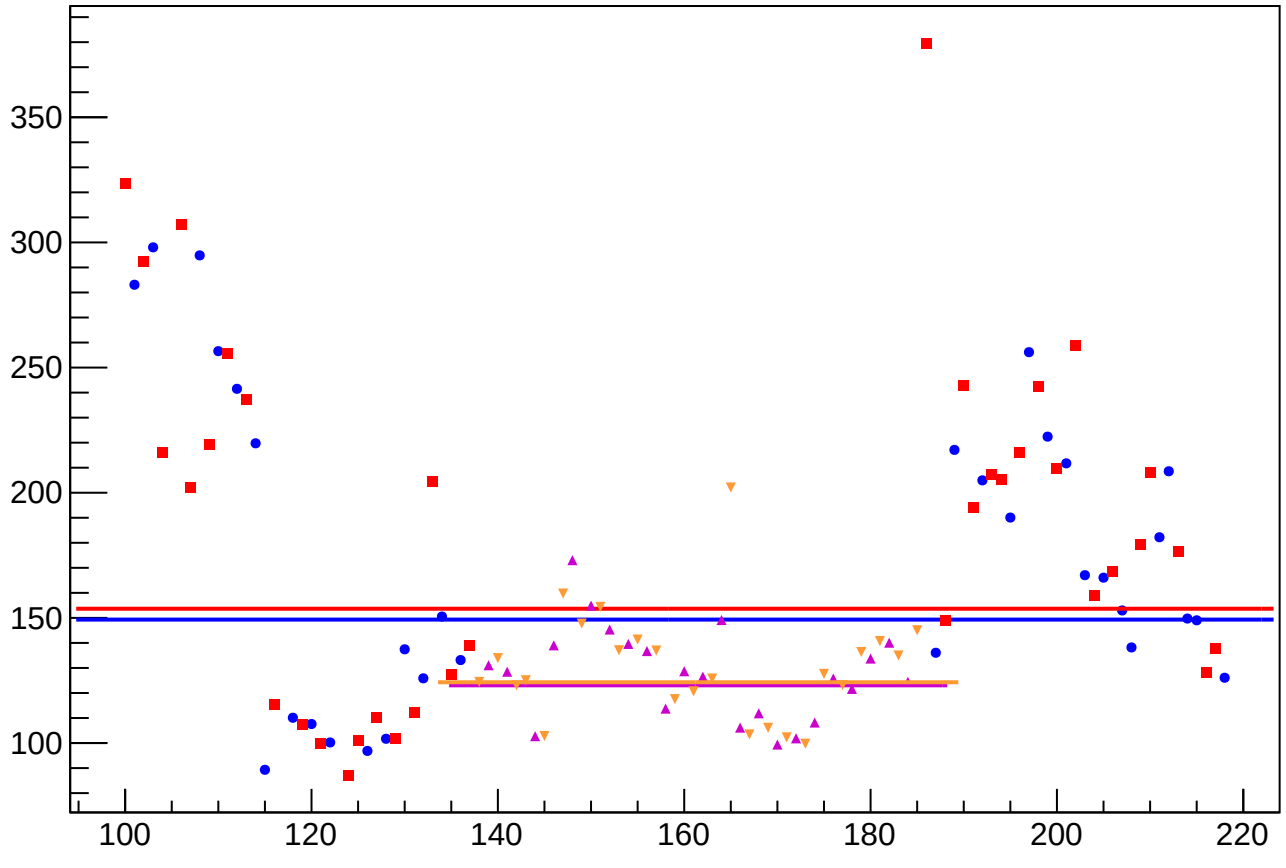
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.029+/-0.025 χ^2/NDF: 89.6/67

In: 0.014+/-0.023 χ^2/NDF:57.0/54

Out: 0.012+/-0.022 χ^2/NDF:86.0/60

All: 0.013+/-0.016 χ^2/NDF: 143.0/115



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: 153.661+/-0.026 χ^2/NDF: 3956692.6/35

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

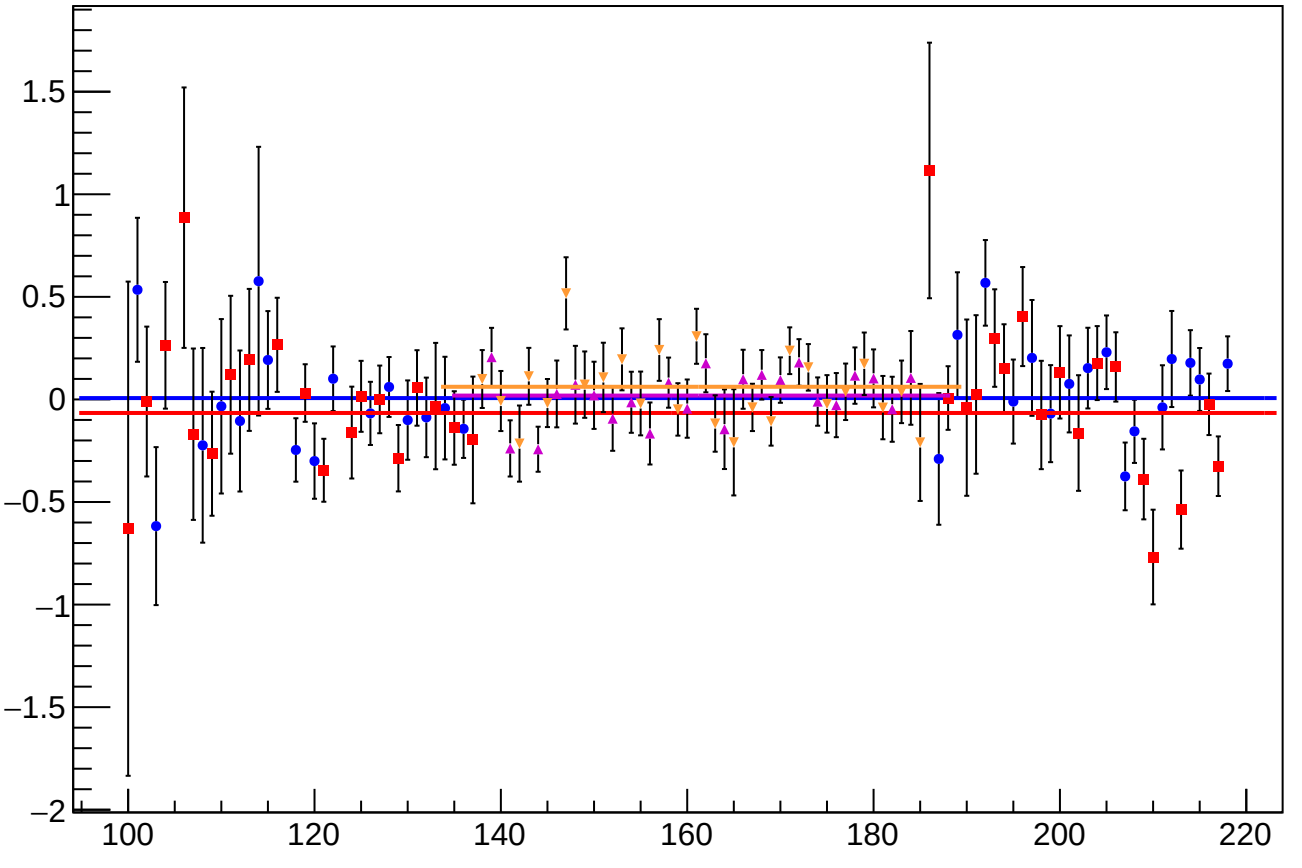
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 151.437+/-0.018 χ^2/NDF: 7329354.4/67

In: 133.802+/-0.016 χ^2/NDF:4732425.1/54

Out: 135.633+/-0.016 χ^2/NDF:5607483.2/60

All: 134.721+/-0.011 χ^2/NDF: 10346523.0/11



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: -0.066+/-0.036 χ^2/NDF: 50.9/35

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

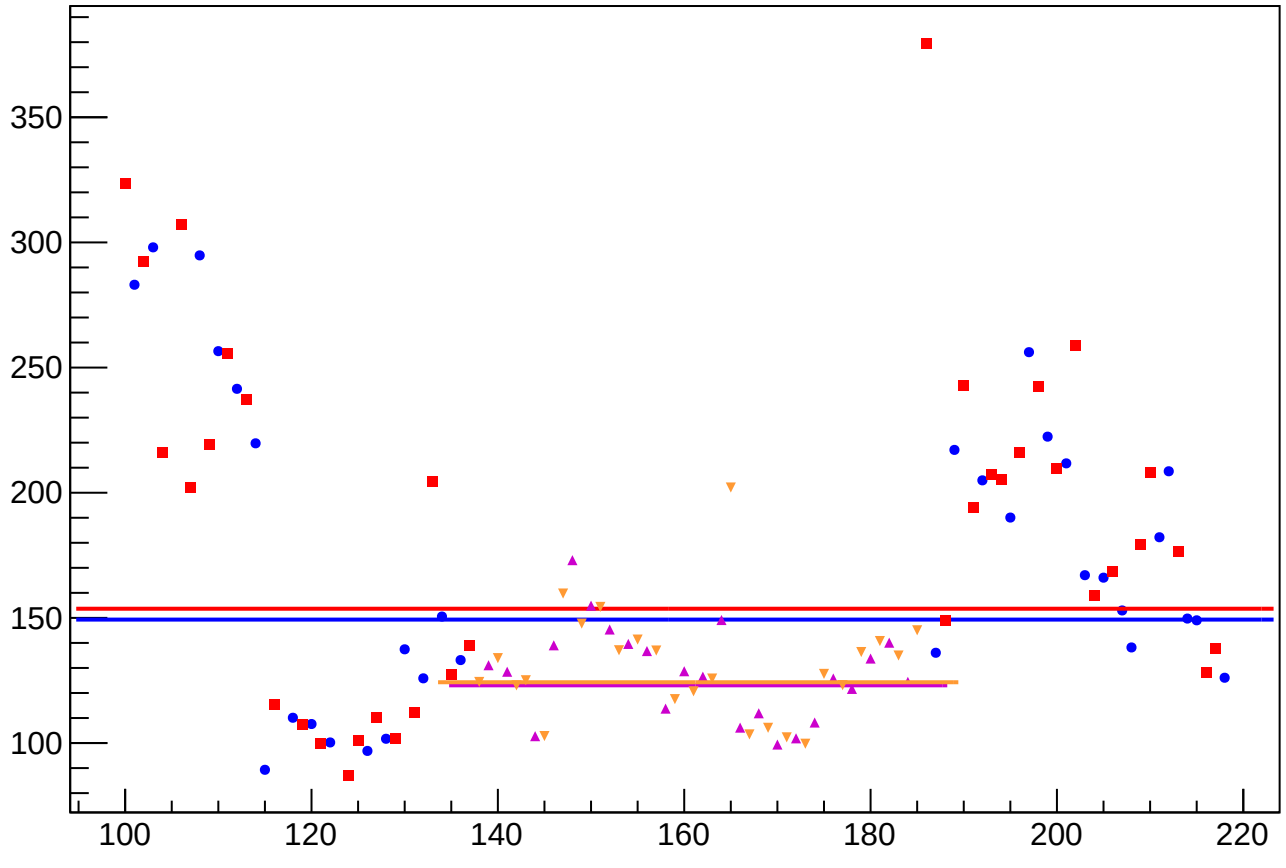
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.029+/-0.025 χ^2/NDF: 89.6/67

In: 0.014+/-0.023 χ^2/NDF:57.0/54

Out: 0.012+/-0.022 χ^2/NDF:86.0/60

All: 0.013+/-0.016 χ^2/NDF: 143.0/115



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: 153.661+/-0.026 χ^2/NDF: 3956692.6/35

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

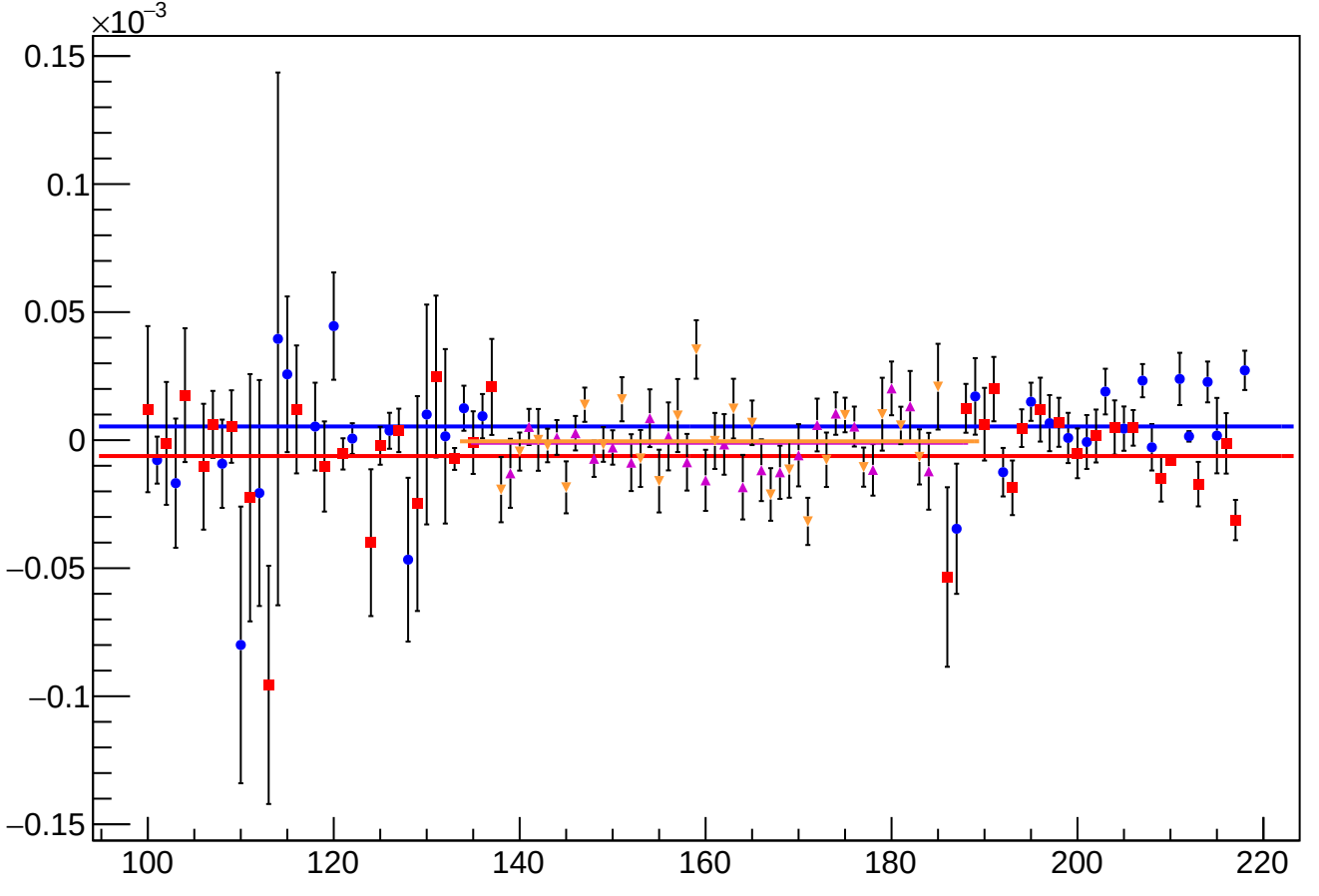
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 151.437+/-0.018 χ^2/NDF: 7329354.4/67

In: 133.802+/-0.016 χ^2/NDF:4732425.1/54

Out: 135.633+/-0.016 χ^2/NDF:5607483.2/60

All: 134.721+/-0.011 χ^2/NDF: 10346523.0/11



Right In: 0.000+/-0.000 χ^2/NDF: 54.1/31

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 50.7/35

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

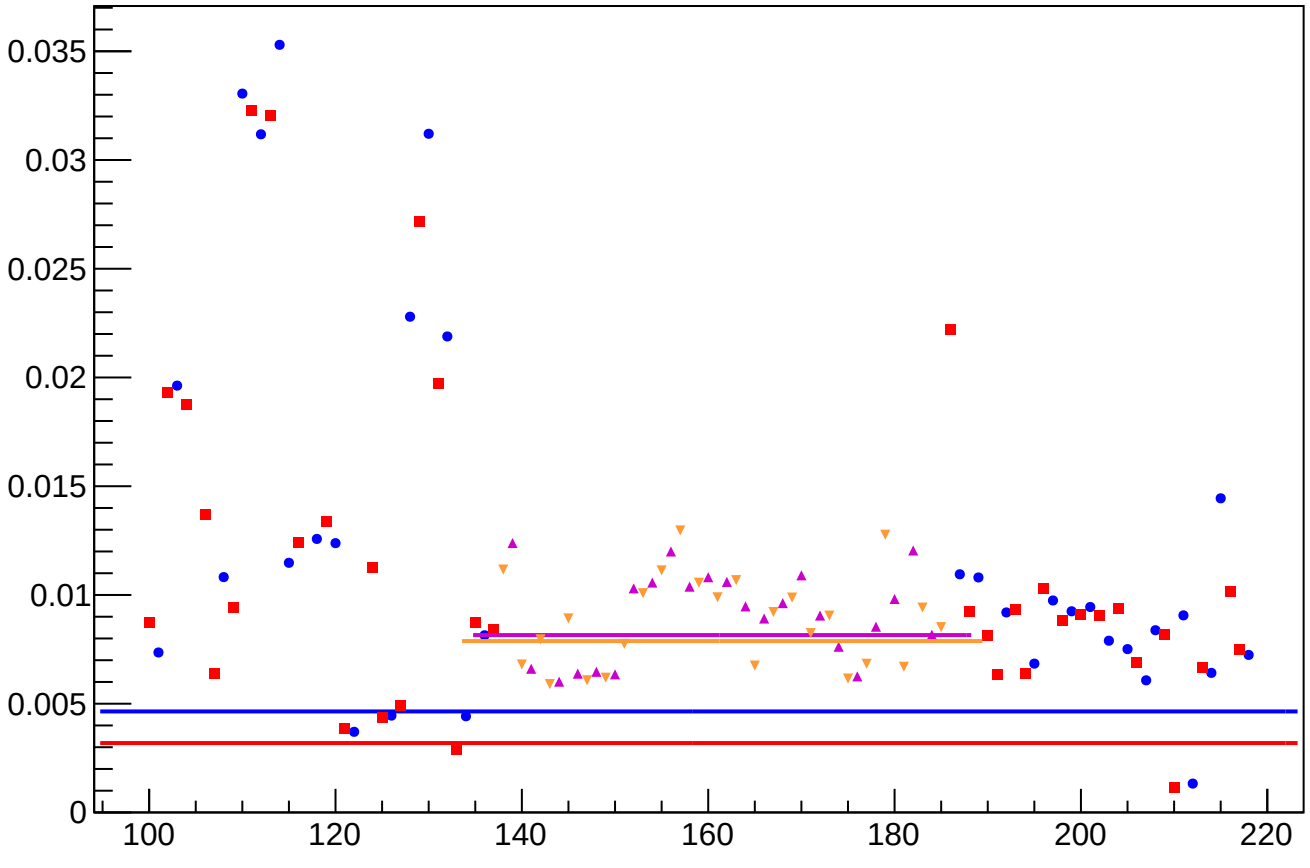
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: -0.000+/-0.000 χ^2/NDF: 148.2/67

In: 0.000+/-0.000 χ^2/NDF:80.9/54

Out: -0.000+/-0.000 χ^2/NDF:110.4/60

All: -0.000+/-0.000 χ^2/NDF: 221.2/115



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: 20795293.0/35

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

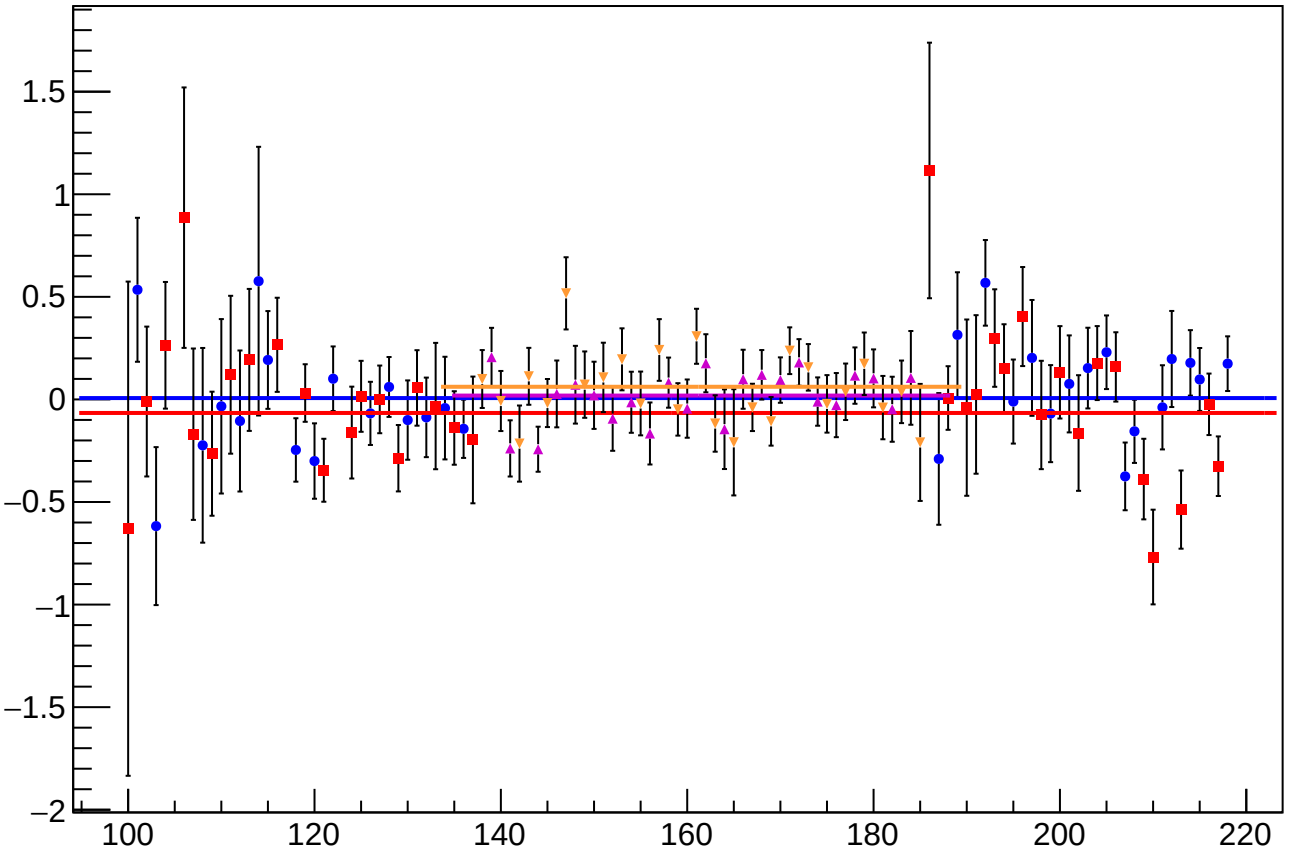
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.004+/-0.000 χ^2/NDF: 38042151.1/67

In: 0.006+/-0.000 χ^2/NDF:22081221.5/54

Out: 0.004+/-0.000 χ^2/NDF:32509801.5/60

All: 0.005+/-0.000 χ^2/NDF: 56557775.3/115



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: -0.066+/-0.036 χ^2/NDF: 50.9/35

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

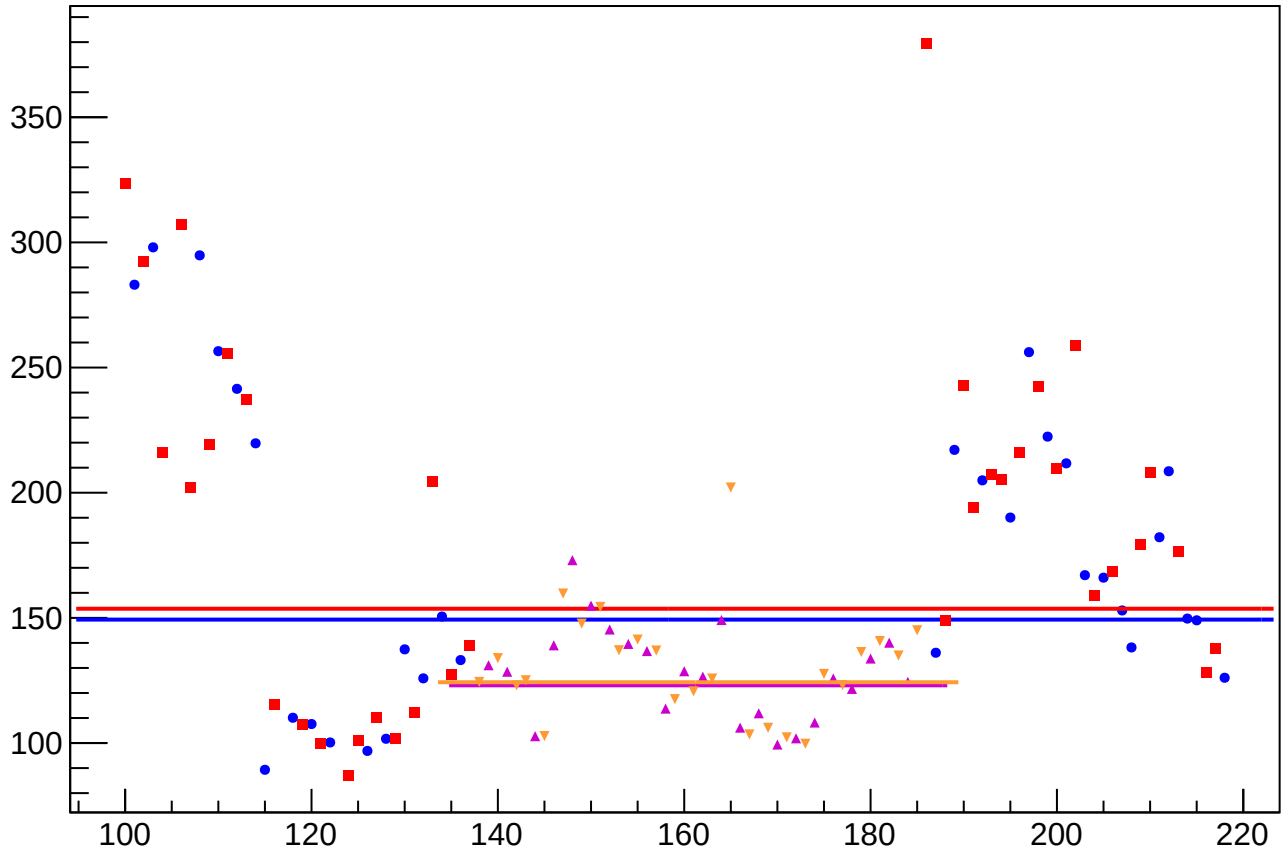
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.029+/-0.025 χ^2/NDF: 89.6/67

In: 0.014+/-0.023 χ^2/NDF:57.0/54

Out: 0.012+/-0.022 χ^2/NDF:86.0/60

All: 0.013+/-0.016 χ^2/NDF: 143.0/115



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: 153.660+/-0.026 χ^2/NDF: 3956816.6/35

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

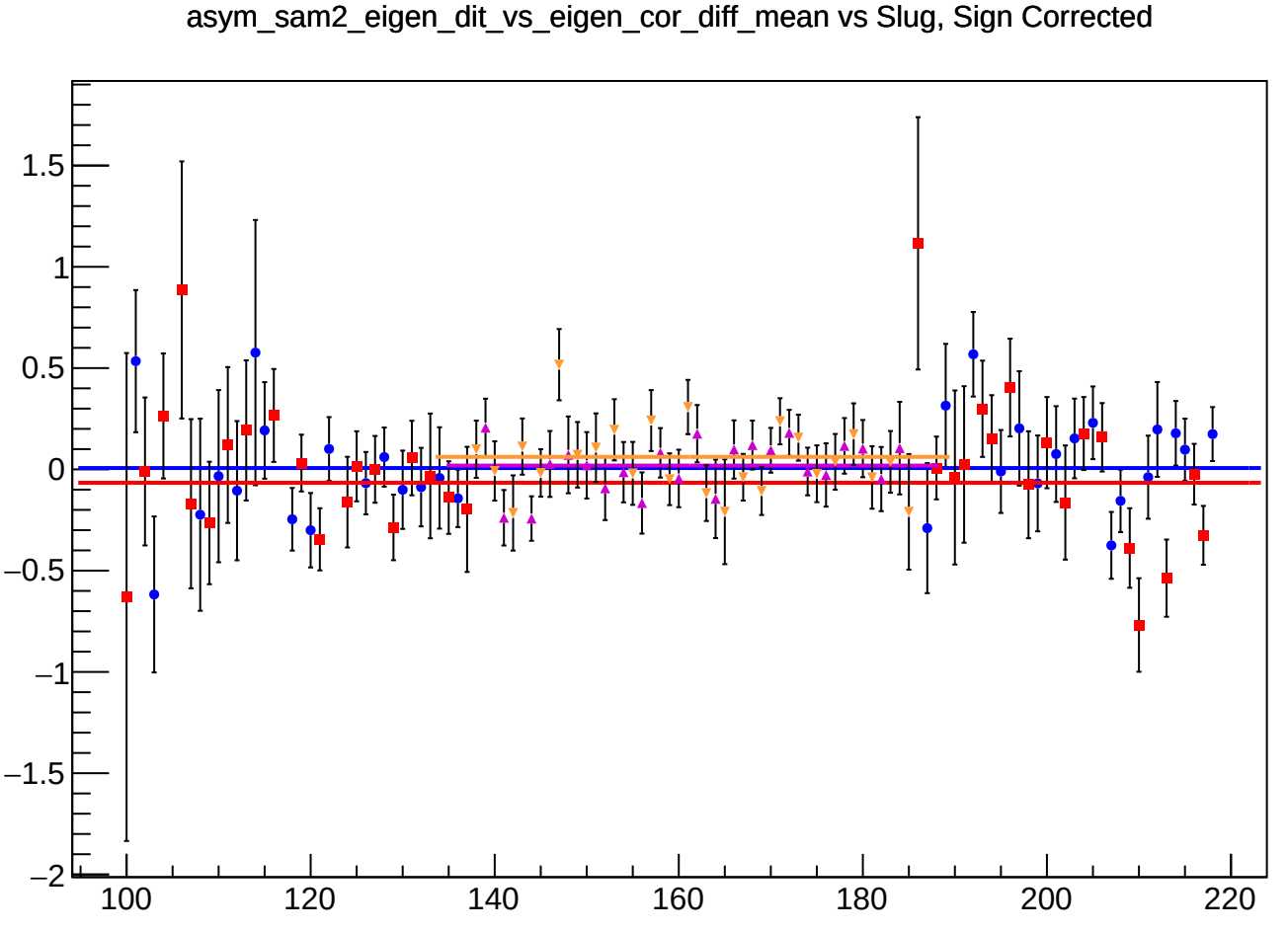
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 151.435+/-0.018 χ^2/NDF: 7329554.2/67

In: 133.801+/-0.016 χ^2/NDF:4732445.7/54

Out: 135.632+/-0.016 χ^2/NDF:5607564.3/60

All: 134.720+/-0.011 χ^2/NDF: 10346625.5/11



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: -0.066+/-0.036 χ^2/NDF: 50.9/35

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

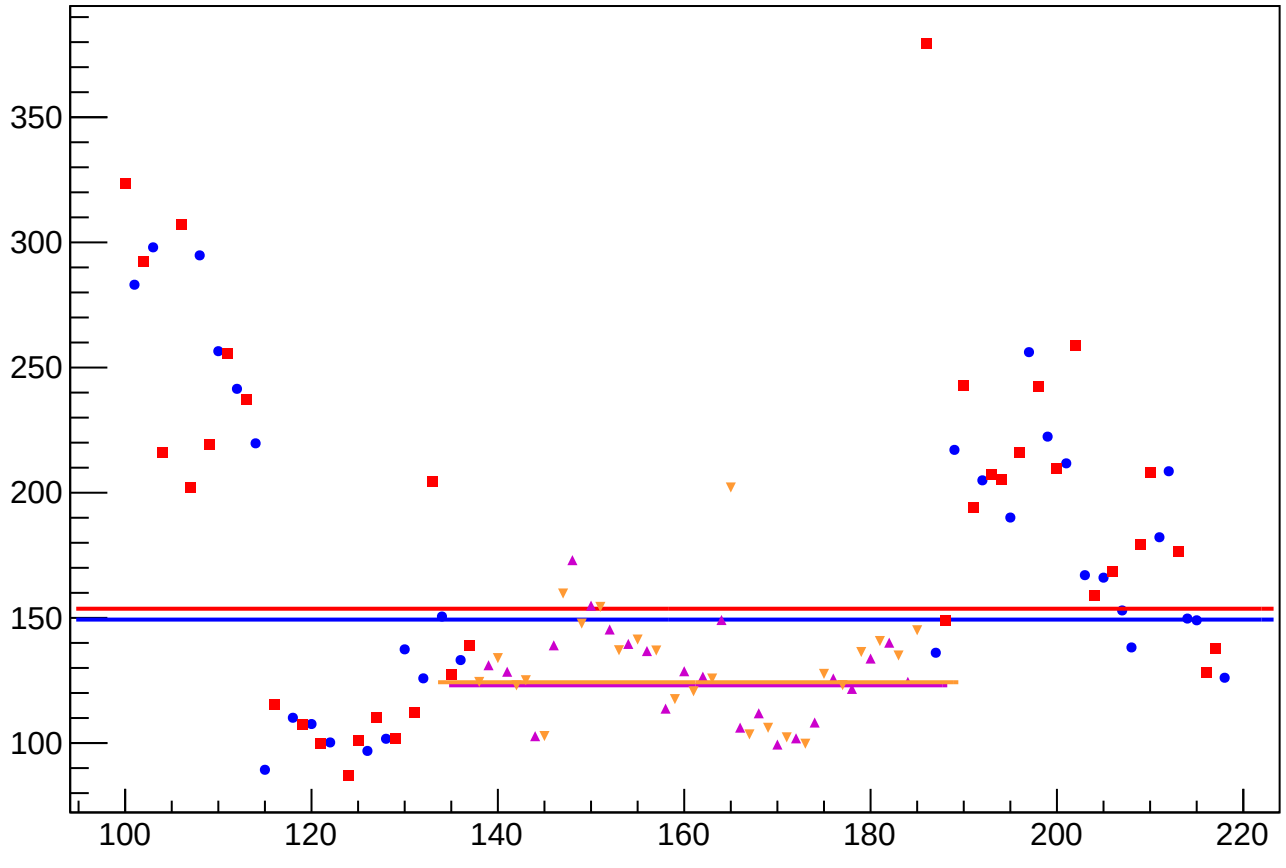
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.029+/-0.025 χ^2/NDF: 89.6/67

In: 0.014+/-0.023 χ^2/NDF:57.0/54

Out: 0.012+/-0.022 χ^2/NDF:86.0/60

All: 0.013+/-0.016 χ^2/NDF: 143.0/115



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: 153.660+/-0.026 χ^2/NDF: 3956816.6/35

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

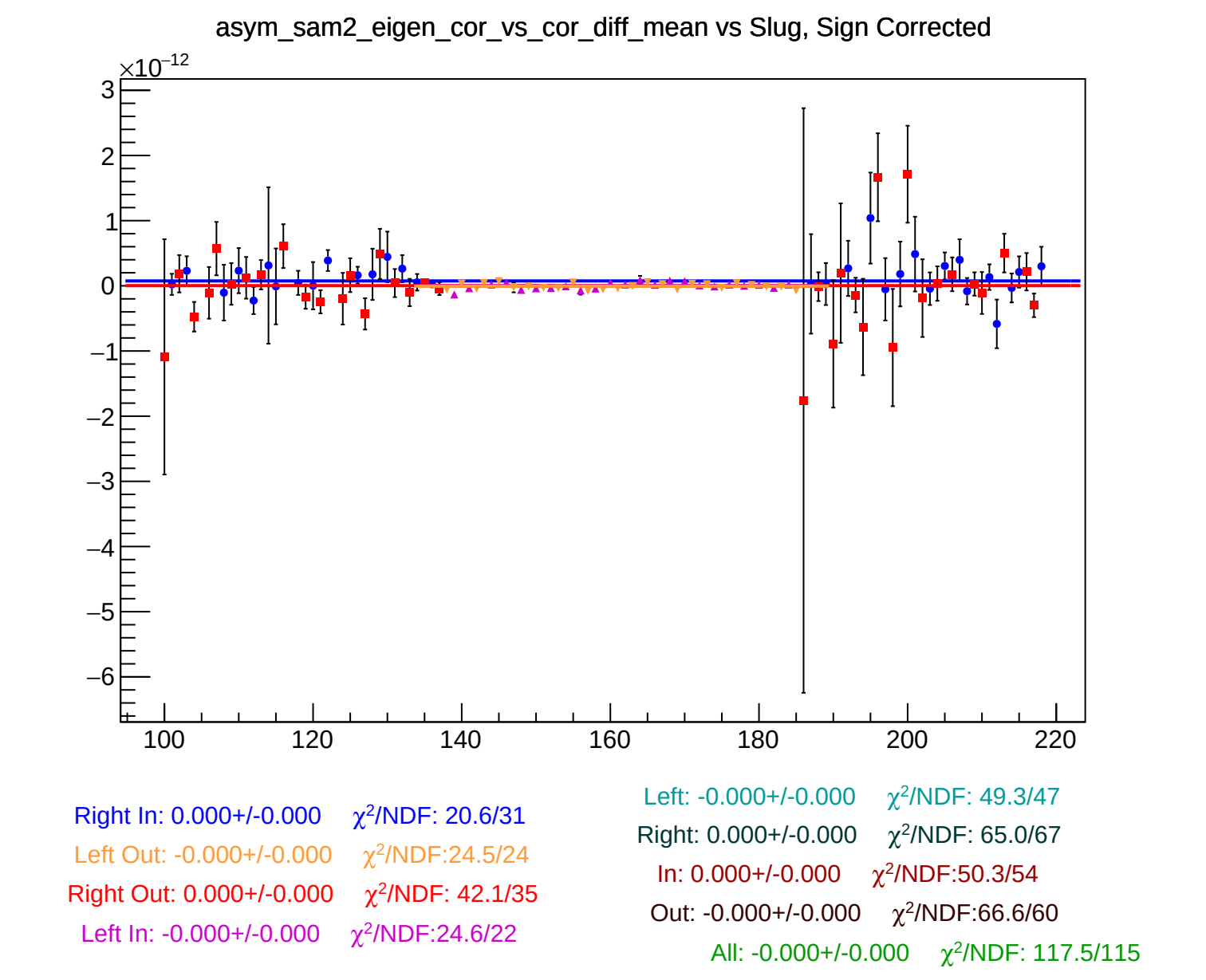
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 151.435+/-0.018 χ^2/NDF: 7329554.2/67

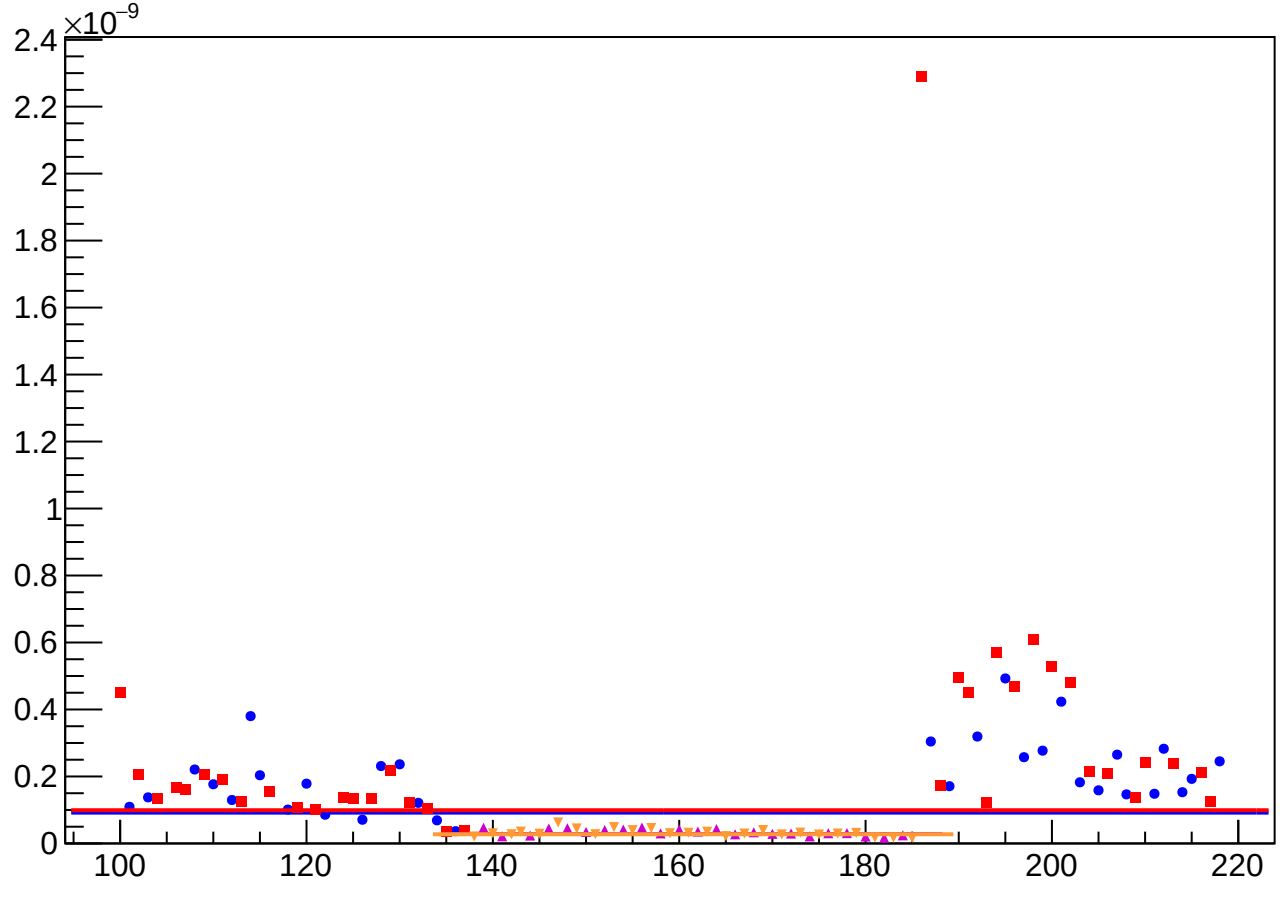
In: 133.801+/-0.016 χ^2/NDF:4732445.7/54

Out: 135.632+/-0.016 χ^2/NDF:5607564.3/60

All: 134.720+/-0.011 χ^2/NDF: 10346625.5/11


asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
−6
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 20.6/31
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 42.1/35
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: -0.000+/-0.000 χ²/NDF: 49.3/47
Right: 0.000+/-0.000 χ²/NDF: 65.0/67
In: 0.000+/-0.000 χ²/NDF:50.3/54
Out: -0.000+/-0.000 χ²/NDF:66.6/60
All: -0.000+/-0.000 χ²/NDF: 117.5/115

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: 11302812.9/35

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

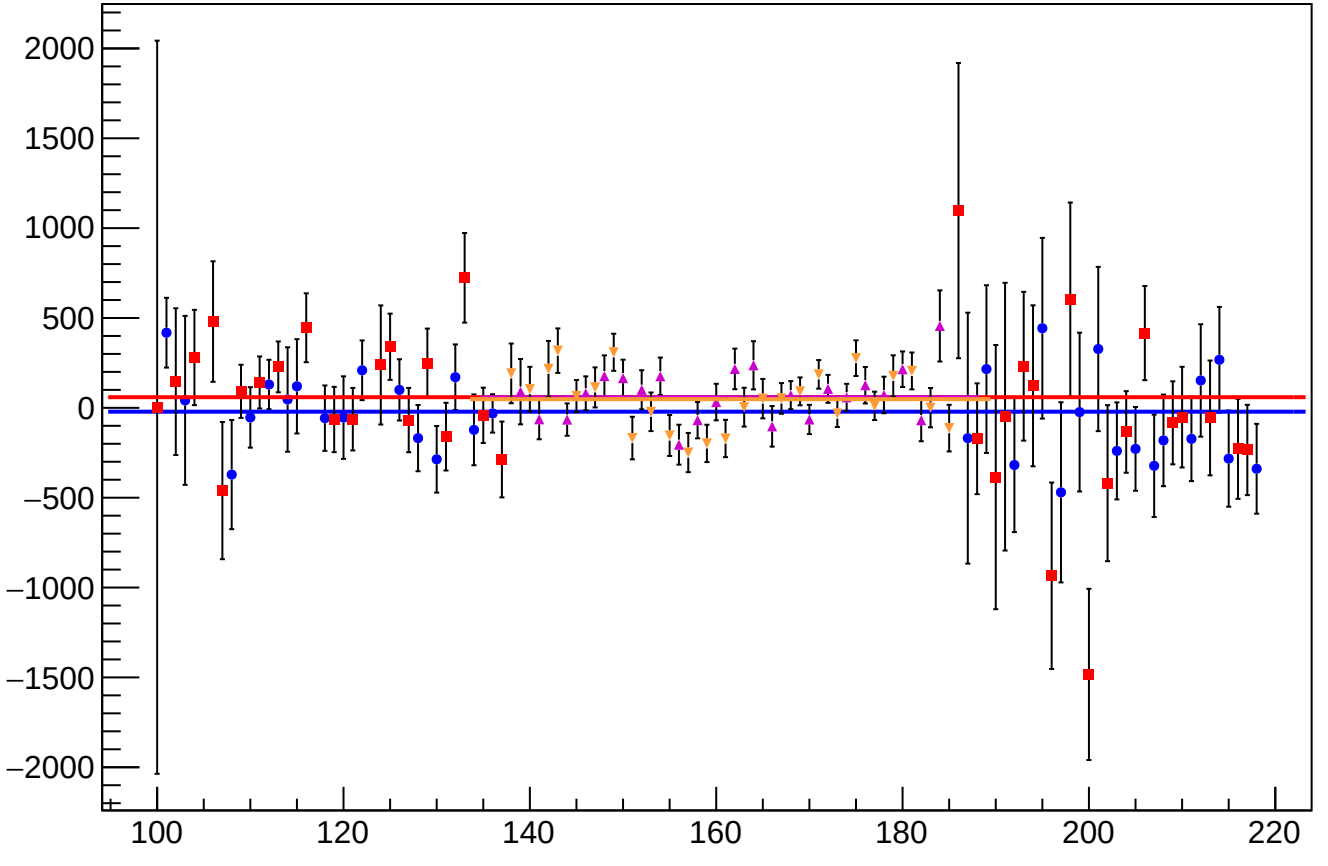
Right: 0.000+/-0.000 χ^2/NDF: 21109408.3/67

In: 0.000+/-0.000 χ^2/NDF:19241838.4/54

Out: 0.000+/-0.000 χ^2/NDF:21663457.1/60

All: 0.000+/-0.000 χ^2/NDF: 40928098.8/115

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: 59.266+/-40.044 χ^2/NDF: 51.5/35

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

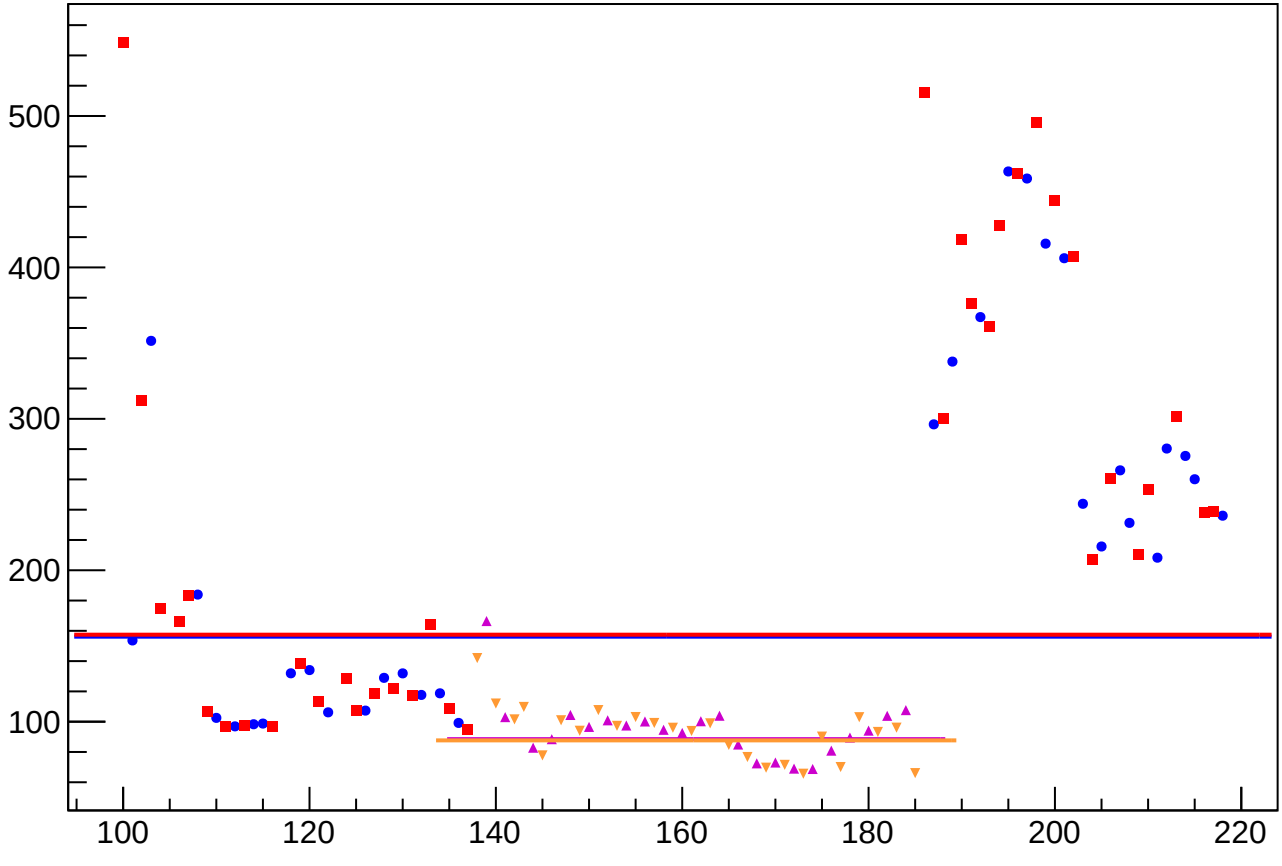
Right: 18.417+/-28.131 χ^2/NDF: 78.5/67

In: 41.111+/-18.652 χ^2/NDF:58.8/54

Out: 50.637+/-18.193 χ^2/NDF:105.1/60

All: 45.992+/-13.024 χ^2/NDF: 164.1/115

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: 157.453+/-0.028 χ^2/NDF: 9307484.6/35

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

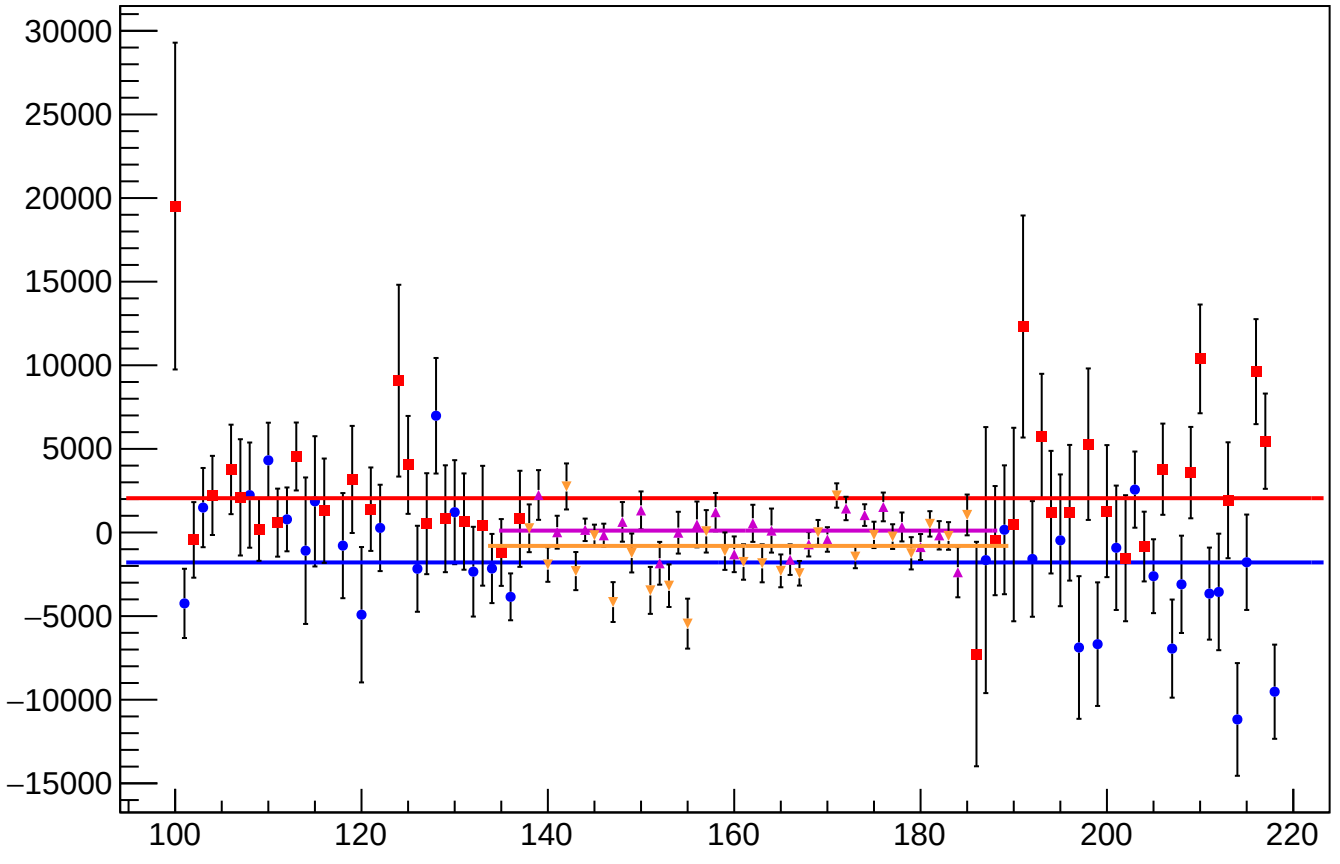
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 156.796+/-0.020 χ^2/NDF: 17479088.2/67

In: 103.553+/-0.013 χ^2/NDF:13803396.6/54

Out: 102.063+/-0.013 χ^2/NDF:15342672.9/60

All: 102.789+/-0.009 χ^2/NDF: 29152603.5/11



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: 2051.239+/-492.690 χ^2/NDF: 37.7/35

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

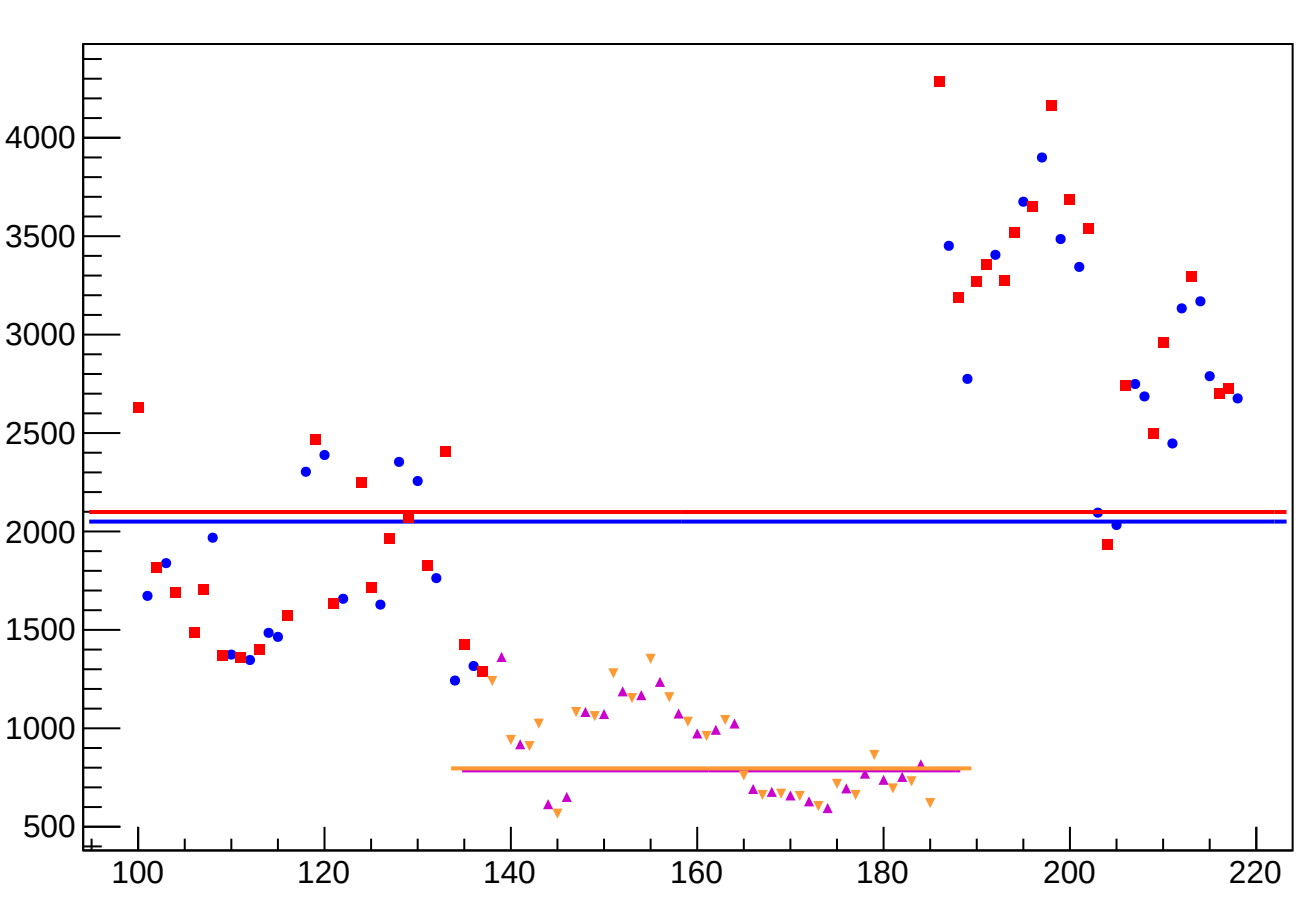
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 100.418+/-345.654 χ^2/NDF: 121.3/67

In: -141.270+/-177.129 χ^2/NDF:93.1/54

Out: -439.756+/-175.447 χ^2/NDF:138.9/60

All: -291.937+/-124.650 χ^2/NDF: 233.4/115



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: 2098.914+/-0.348 χ^2/NDF: 4768341.1/35

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

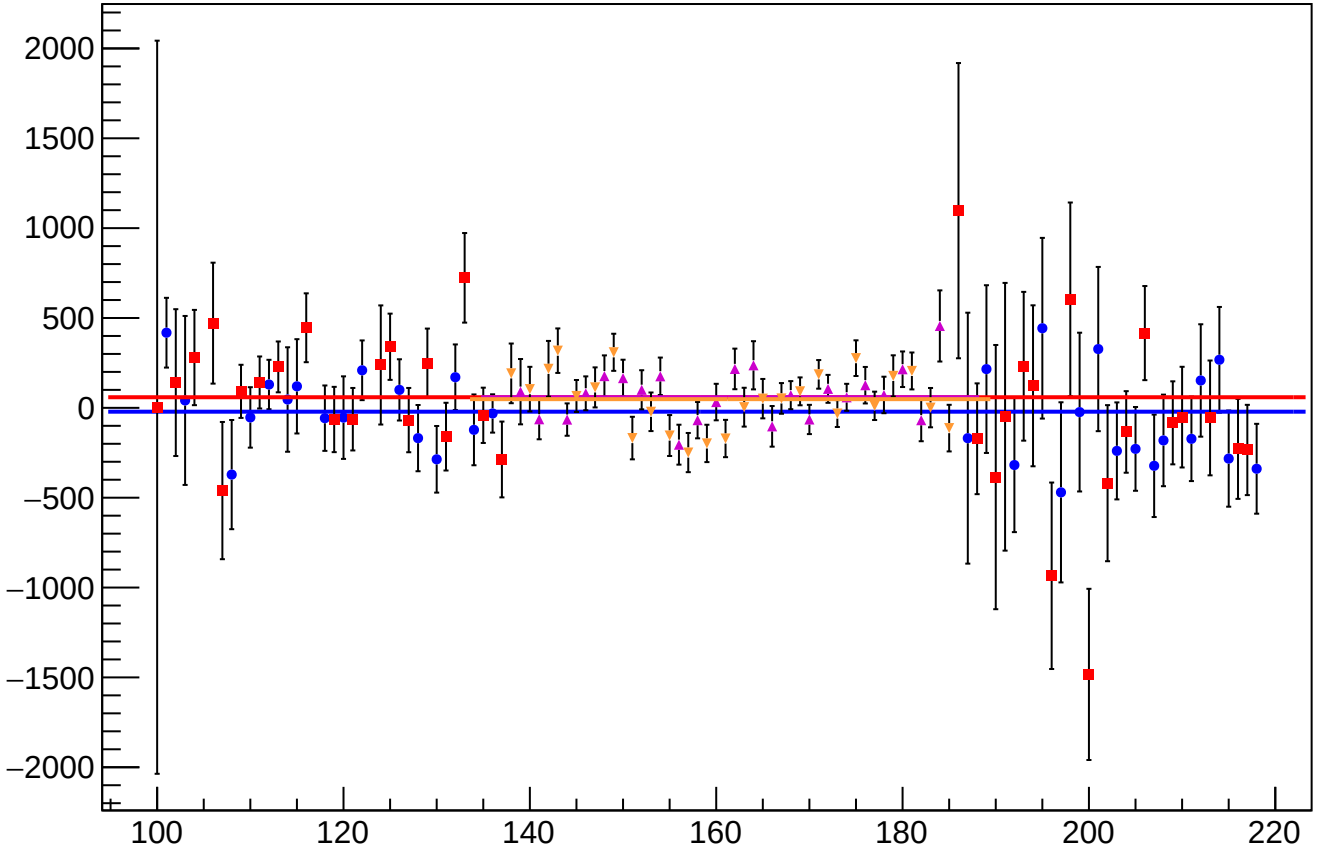
Right: 2074.156+/-0.244 χ^2/NDF: 9017503.4/67

In: 954.869+/-0.125 χ^2/NDF:18162769.9/54

Out: 961.677+/-0.124 χ^2/NDF:19389411.4/60

All: 958.305+/-0.088 χ^2/NDF: 37553672.5/1

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: 59.049+/-40.046 χ^2/NDF: 51.4/35

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

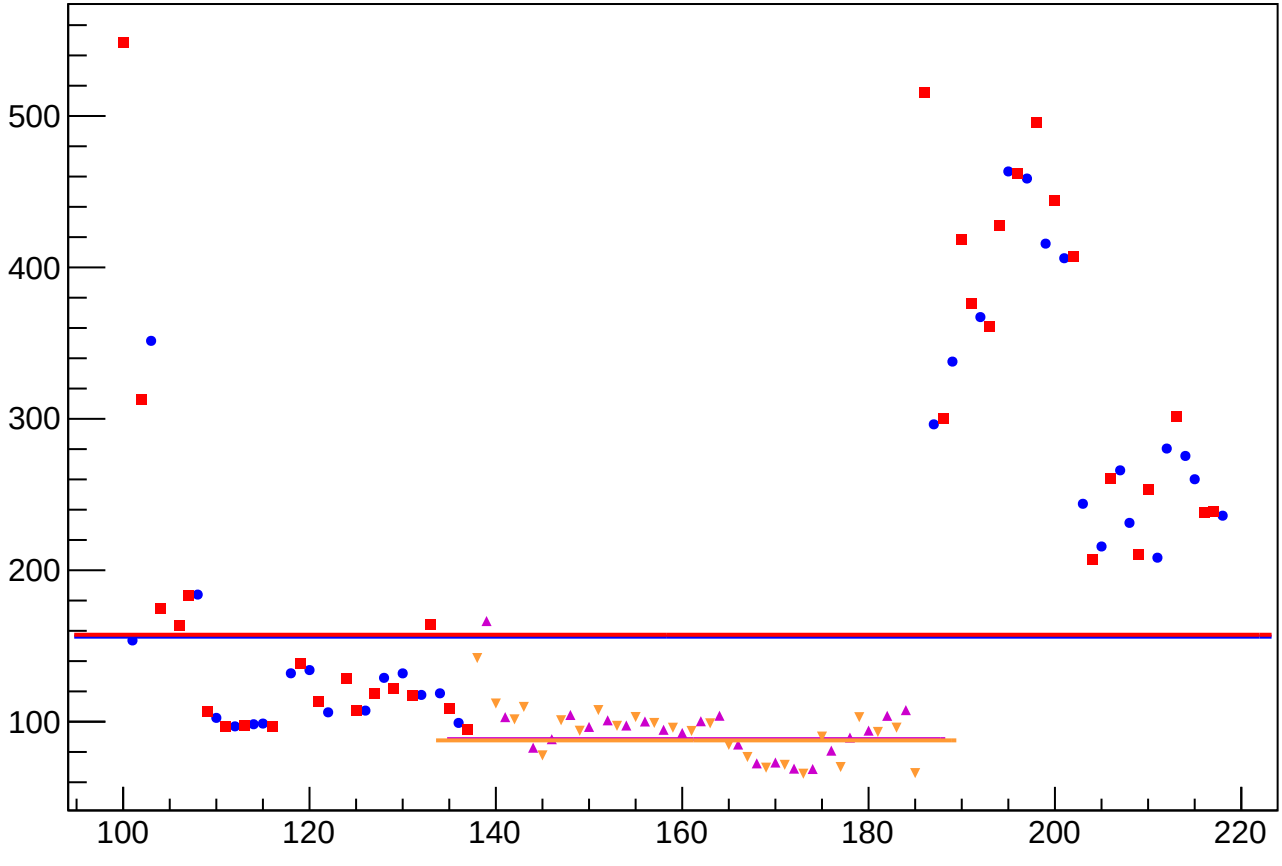
Right: 18.302+/-28.131 χ^2/NDF: 78.4/67

In: 41.110+/-18.652 χ^2/NDF:58.8/54

Out: 50.597+/-18.194 χ^2/NDF:105.0/60

All: 45.972+/-13.024 χ^2/NDF: 164.0/115

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: 157.418+/-0.028 χ^2/NDF: 9306983.7/35

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

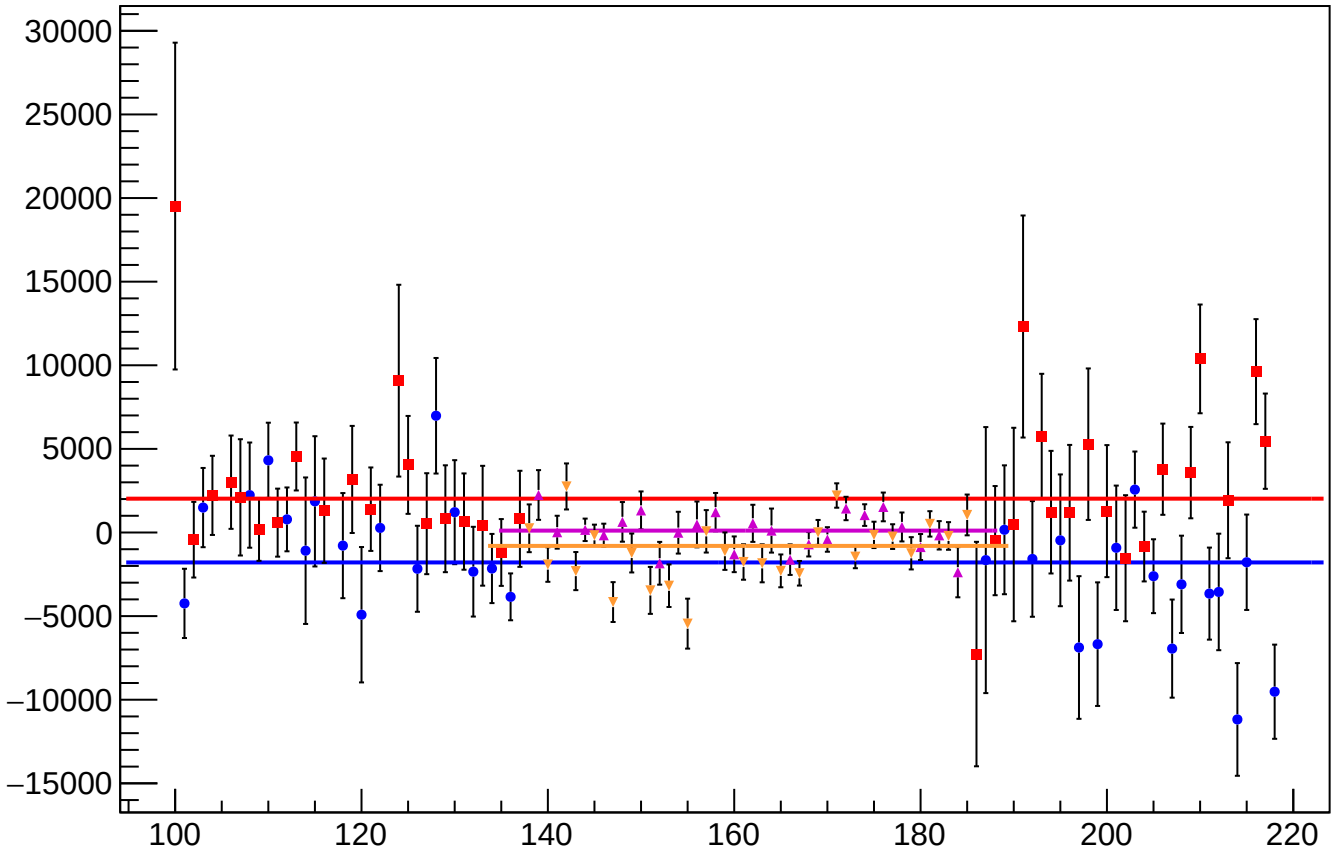
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 156.778+/-0.020 χ^2/NDF: 17478532.2/67

In: 103.553+/-0.013 χ^2/NDF:13803398.4/54

Out: 102.055+/-0.013 χ^2/NDF:15336871.0/60

All: 102.785+/-0.009 χ^2/NDF: 29146878.1/11



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: 2023.512+/-493.388 χ^2/NDF: 37.4/35

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

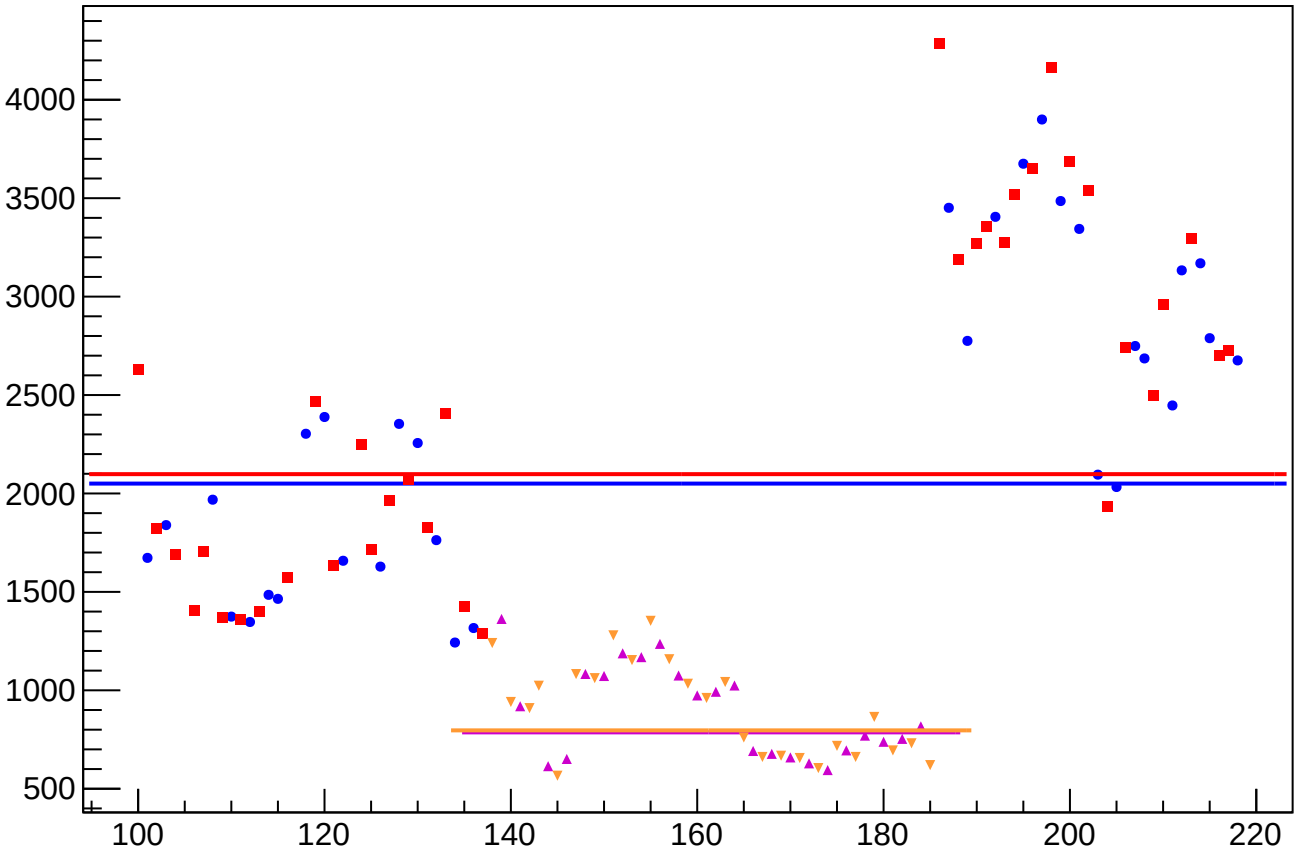
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 84.083+/-345.895 χ^2/NDF: 120.5/67

In: -141.267+/-177.129 χ^2/NDF:93.1/54

Out: -444.150+/-175.479 χ^2/NDF:137.9/60

All: -294.126+/-124.662 χ^2/NDF: 232.5/115



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: 2098.156+/-0.349 χ^2/NDF: 4786656.4/35

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

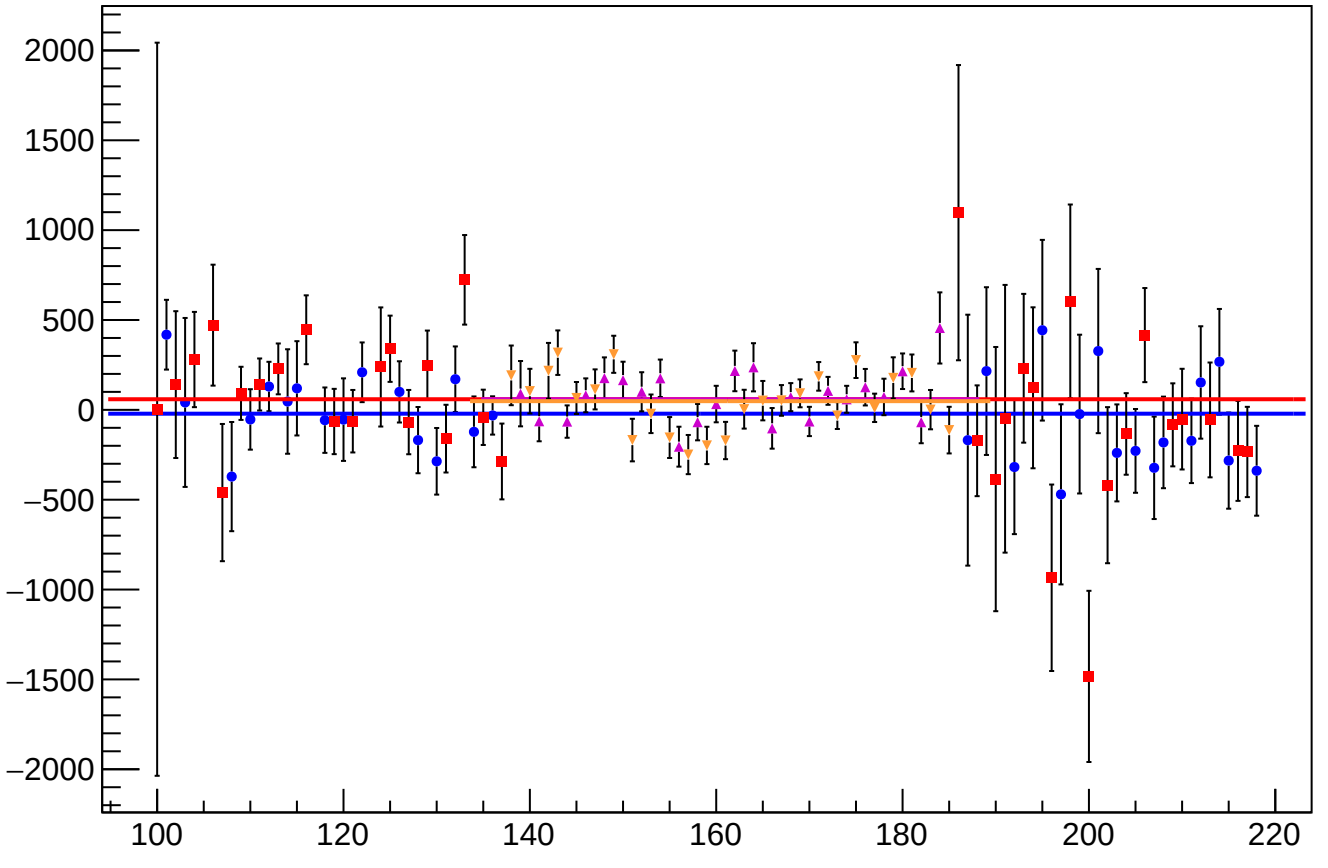
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 2073.755+/-0.245 χ^2/NDF: 9035466.8/67

In: 954.869+/-0.125 χ^2/NDF:18162826.6/54

Out: 961.173+/-0.124 χ^2/NDF:19363448.2/60

All: 958.051+/-0.088 χ^2/NDF: 37527553.3/1



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: 59.049+/-40.046 χ^2/NDF: 51.4/35

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

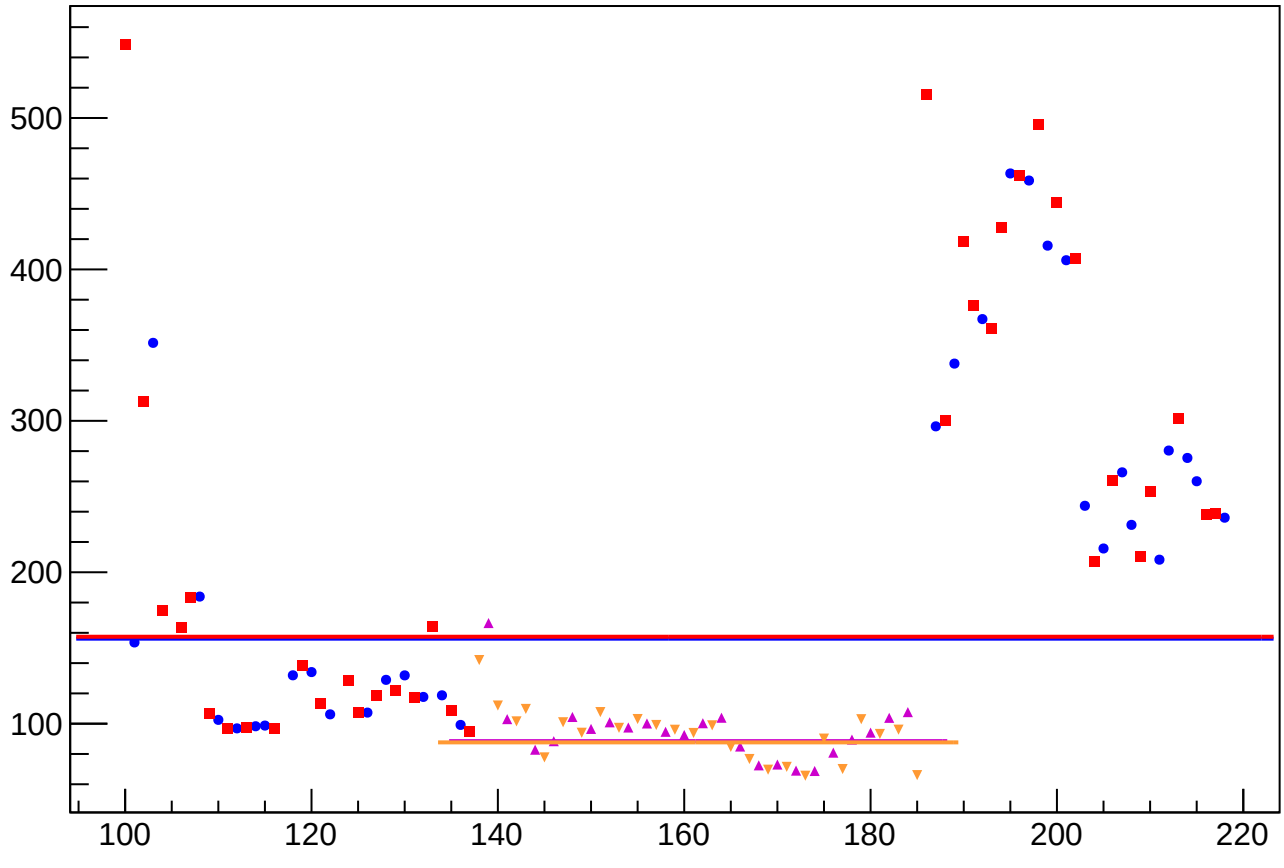
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 18.302+/-28.131 χ^2/NDF: 78.4/67

In: 41.110+/-18.652 χ^2/NDF:58.8/54

Out: 50.597+/-18.194 χ^2/NDF:105.0/60

All: 45.972+/-13.024 χ^2/NDF: 164.0/115



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: 157.418+/-0.028 χ^2/NDF: 9306983.7/35

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

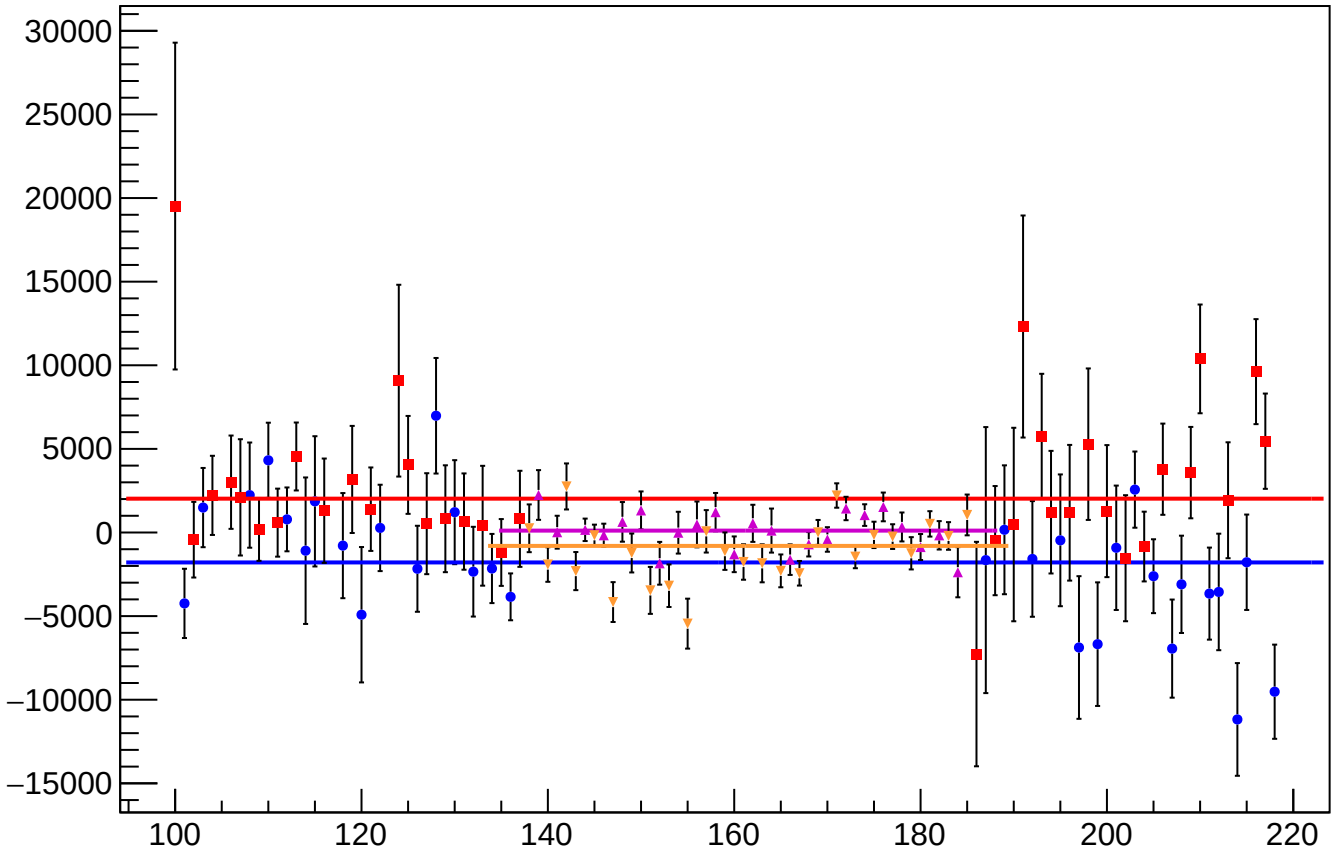
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 156.778+/-0.020 χ^2/NDF: 17478532.2/67

In: 103.553+/-0.013 χ^2/NDF:13803398.4/54

Out: 102.055+/-0.013 χ^2/NDF:15336871.0/60

All: 102.785+/-0.009 χ^2/NDF: 29146878.1/11



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: 2023.512+/-493.388 χ^2/NDF: 37.4/35

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

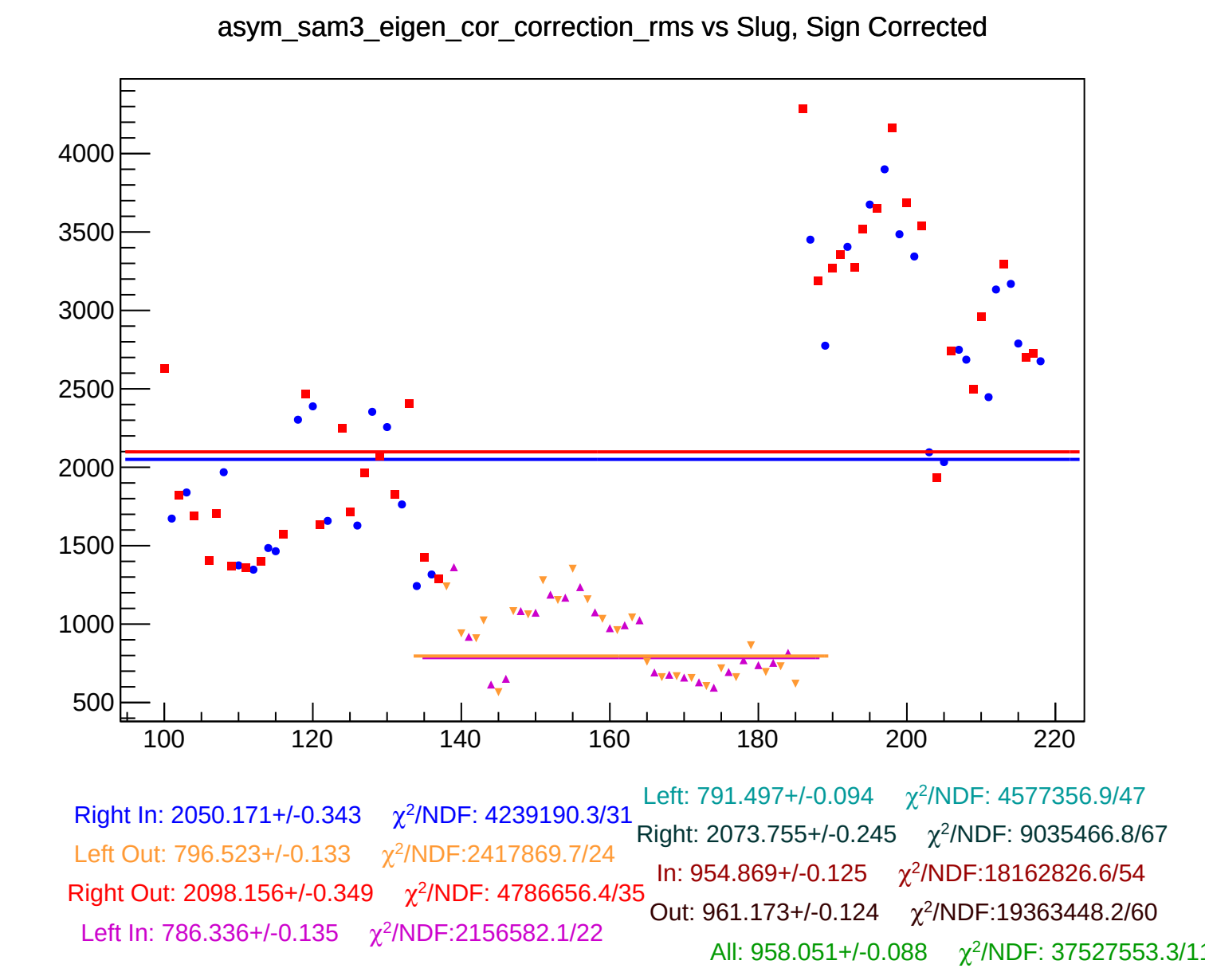
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 84.083+/-345.895 χ^2/NDF: 120.5/67

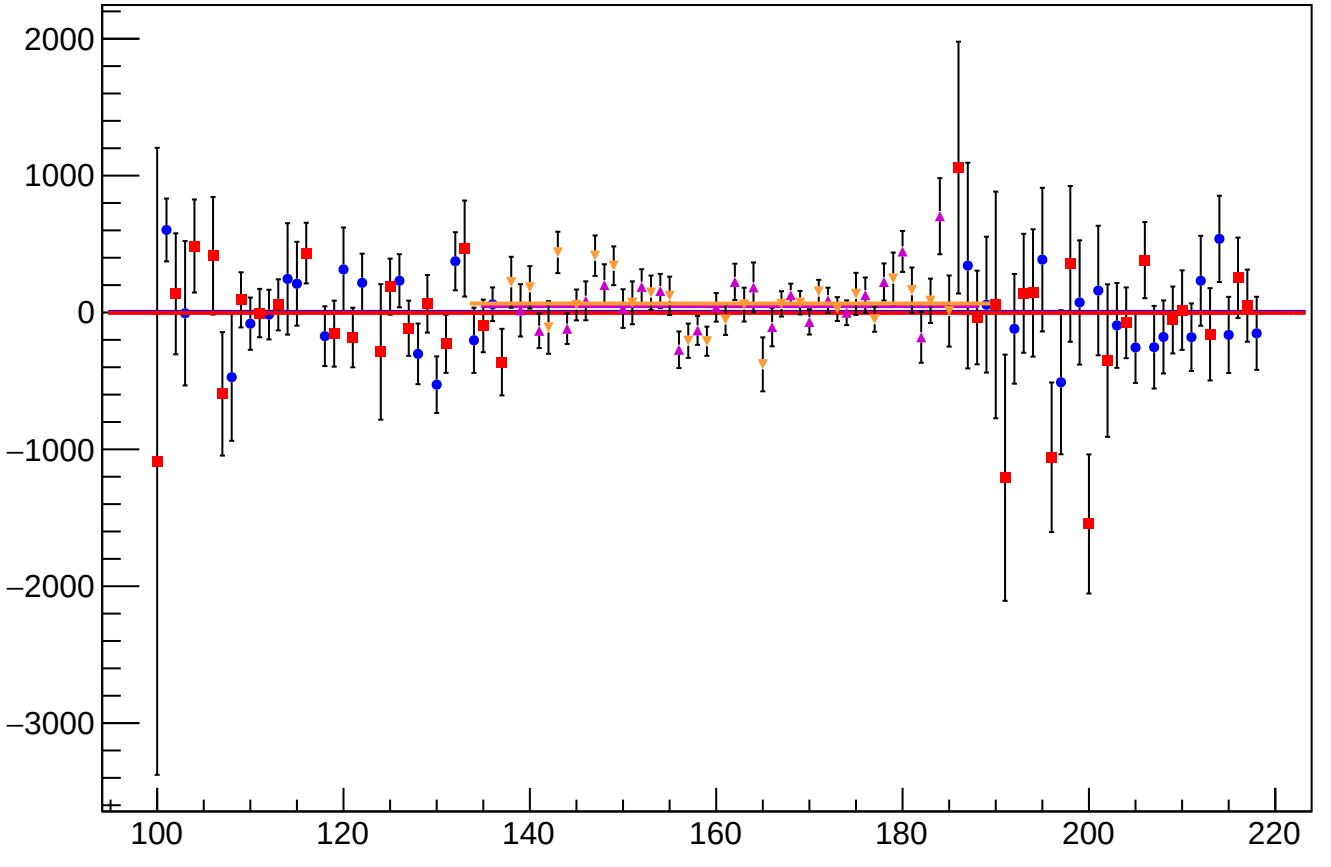
In: -141.267+/-177.129 χ^2/NDF:93.1/54

Out: -444.150+/-175.479 χ^2/NDF:137.9/60

All: -294.126+/-124.662 χ^2/NDF: 232.5/115


asym_sam3_eigen_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 2050.171+/-0.343 χ²/NDF: 4239190.3/31
Left Out: 796.523+/-0.133 χ²/NDF:2417869.7/24
Right Out: 2098.156+/-0.349 χ²/NDF: 4786656.4/35
Left In: 786.336+/-0.135 χ²/NDF:2156582.1/22
Left: 791.497+/-0.094 χ²/NDF: 4577356.9/47
Right: 2073.755+/-0.245 χ²/NDF: 9035466.8/67
In: 954.869+/-0.125 χ²/NDF:18162826.6/54
Out: 961.173+/-0.124 χ²/NDF:19363448.2/60
All: 958.051+/-0.088 χ²/NDF: 37527553.3/11

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: -3.002+/-47.404 χ^2/NDF: 37.5/35

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

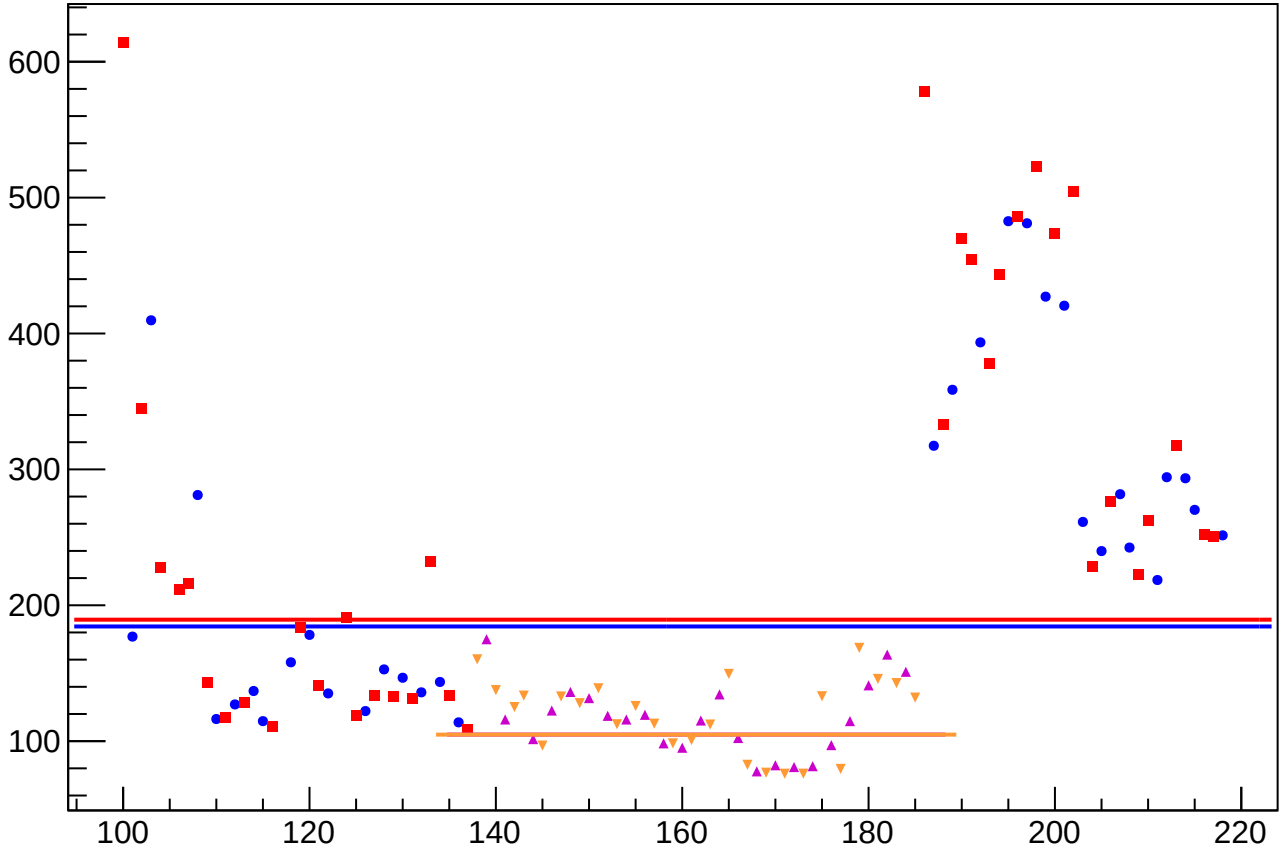
Right: 0.806+/-32.997 χ^2/NDF: 71.8/67

In: 36.881+/-22.429 χ^2/NDF:73.6/54

Out: 50.696+/-22.154 χ^2/NDF:79.2/60

All: 43.874+/-15.762 χ^2/NDF: 152.9/115

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: 189.409+/-0.034 χ^2/NDF: 7976691.7/35

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

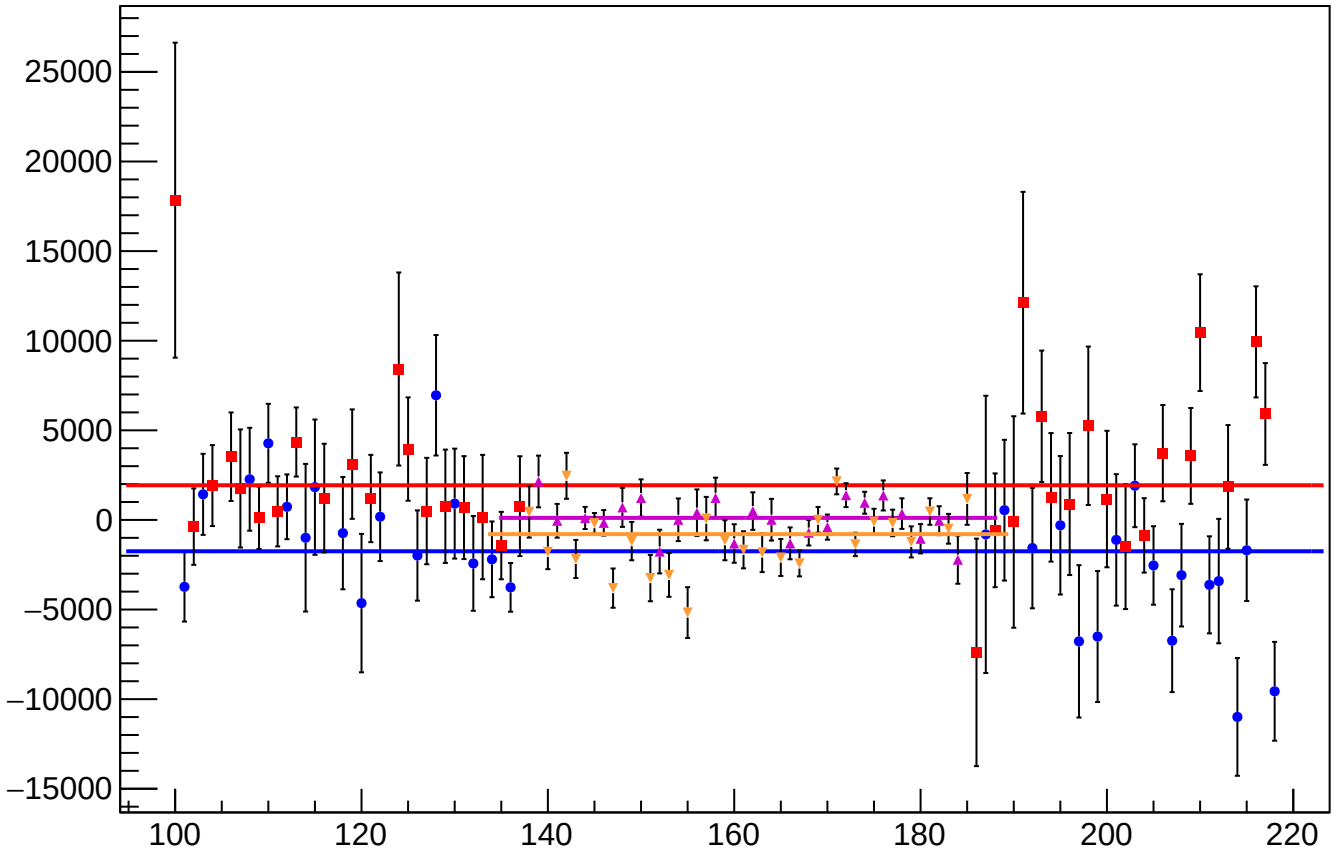
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 186.831+/-0.023 χ^2/NDF: 14839932.9/67

In: 123.784+/-0.016 χ^2/NDF:13033599.2/54

Out: 123.288+/-0.016 χ^2/NDF:15198114.2/60

All: 123.533+/-0.011 χ^2/NDF: 28232209.8/11



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: 1934.367+/-475.256 χ^2/NDF: 41.0/35

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

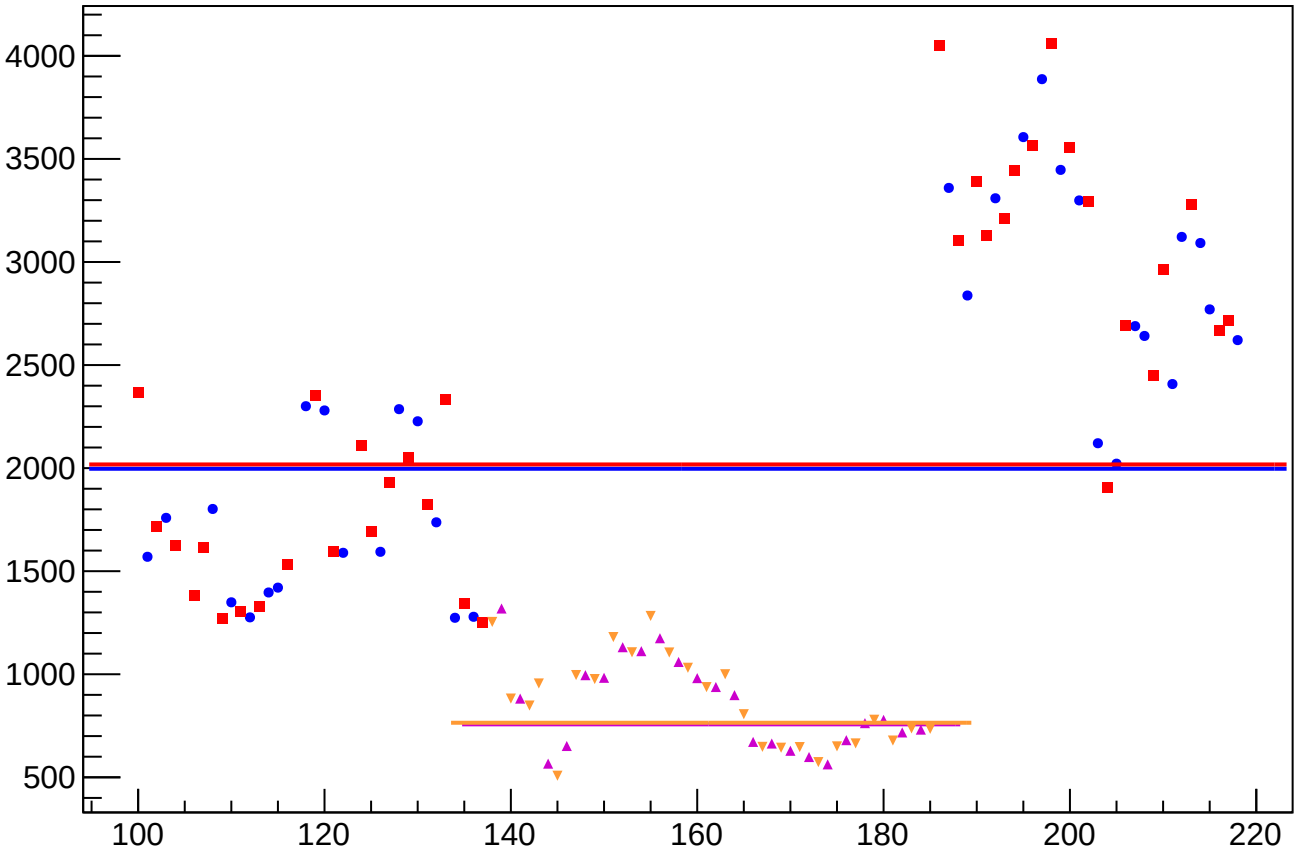
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 84.703+/-335.330 χ^2/NDF: 123.6/67

In: -128.947+/-170.783 χ^2/NDF:92.2/54

Out: -451.254+/-168.247 χ^2/NDF:139.8/60

All: -292.512+/-119.855 χ^2/NDF: 233.9/115



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: 2017.834+/-0.336 χ^2/NDF: 5048251.3/35

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

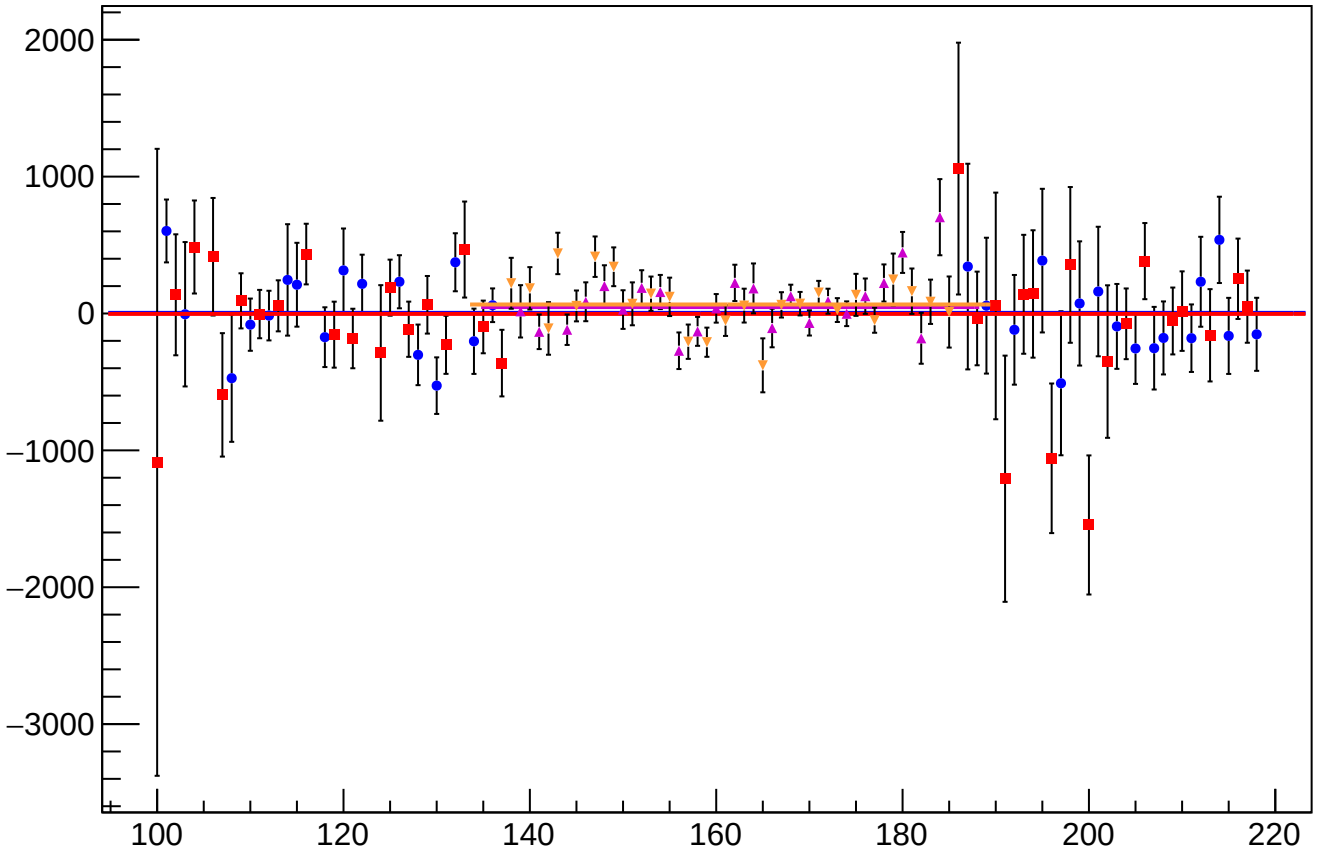
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 2007.320+/-0.237 χ^2/NDF: 9452217.0/67

In: 918.436+/-0.121 χ^2/NDF:18461065.5/54

Out: 921.779+/-0.119 χ^2/NDF:19635489.7/60

All: 920.133+/-0.085 χ^2/NDF: 38096944.0/1



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: -3.006+/-47.404 χ^2/NDF: 37.5/35

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

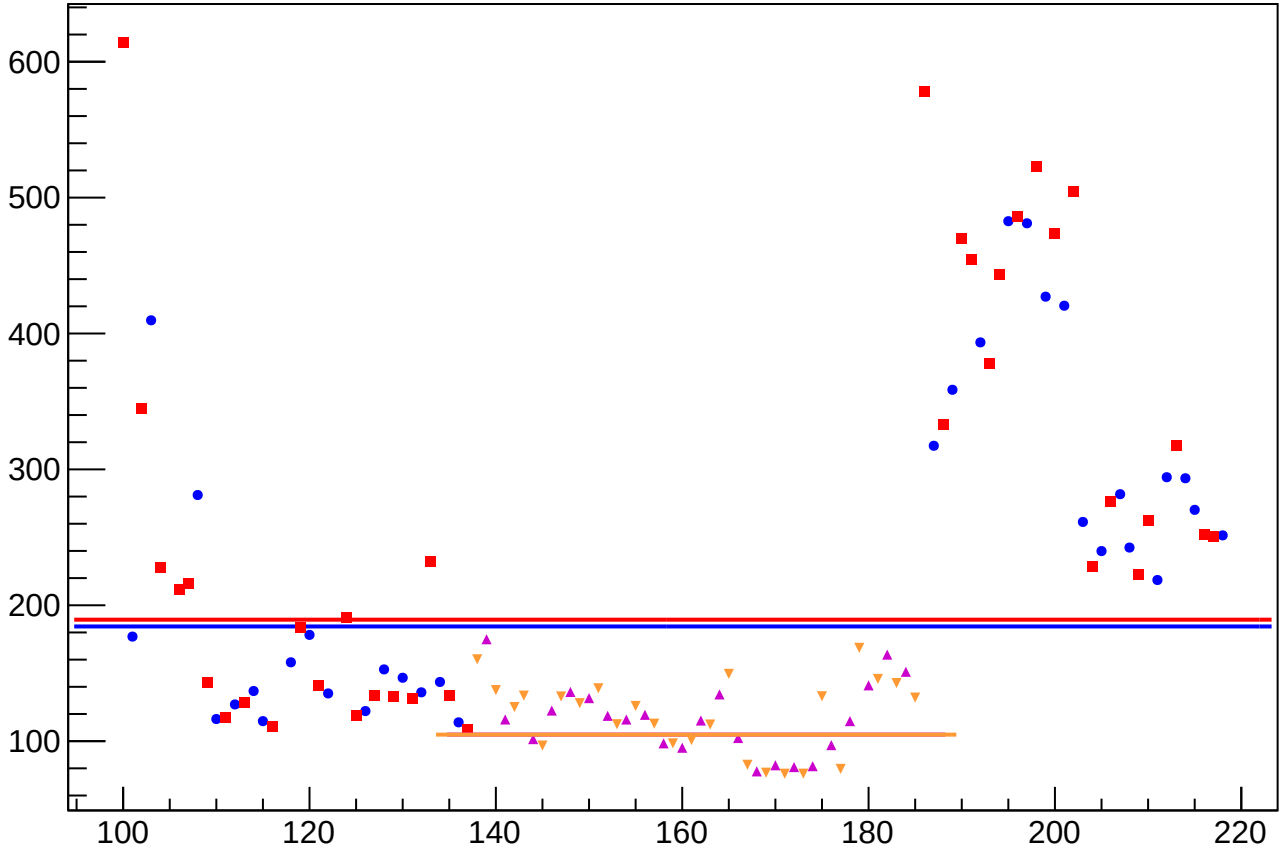
Right: 0.804+/-32.997 χ^2/NDF: 71.8/67

In: 36.880+/-22.429 χ^2/NDF:73.6/54

Out: 50.696+/-22.154 χ^2/NDF:79.2/60

All: 43.873+/-15.762 χ^2/NDF: 152.9/115

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: 189.409+/-0.034 χ^2/NDF: 7976666.6/35

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

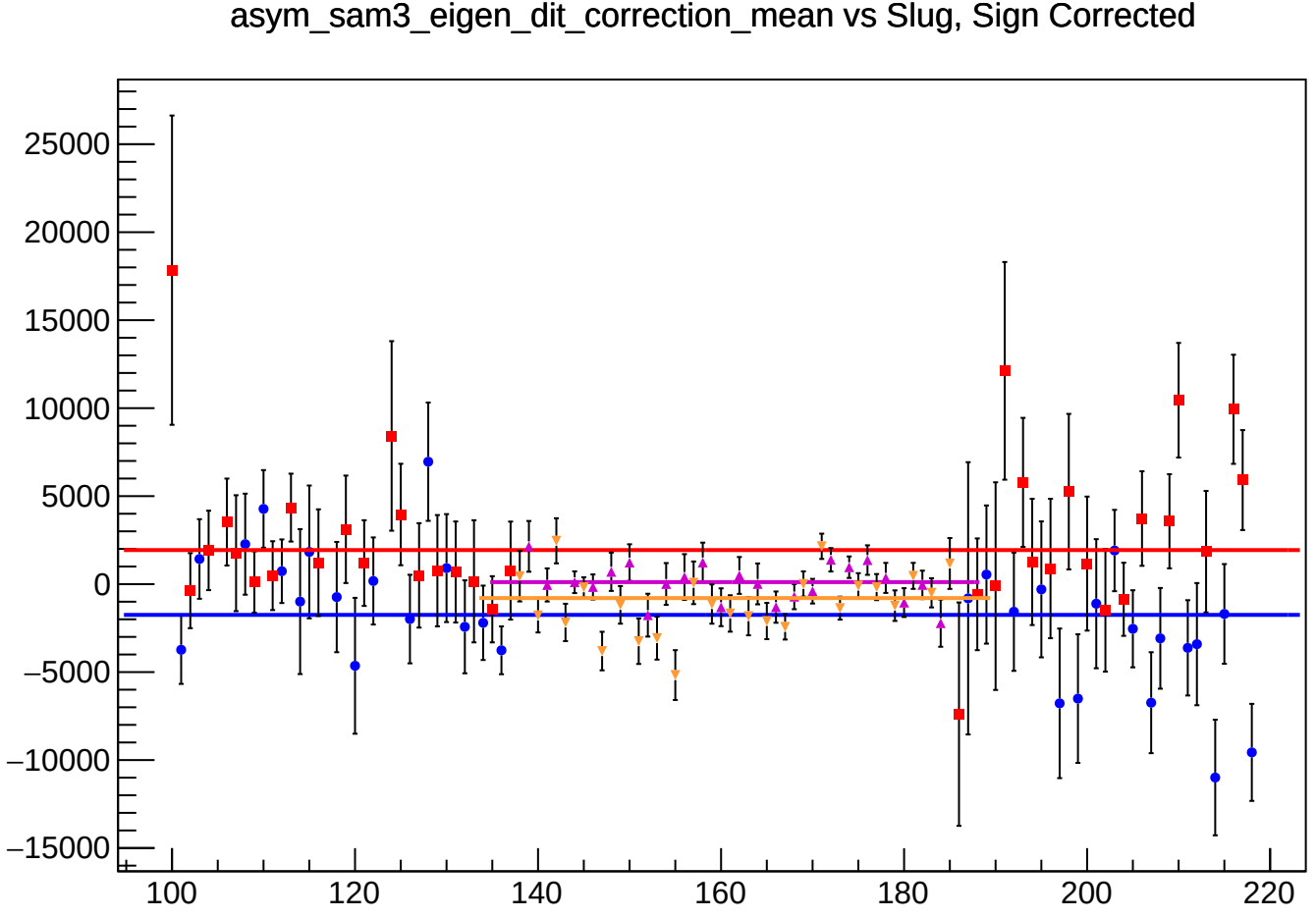
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 186.831+/-0.023 χ^2/NDF: 14839894.0/67

In: 123.785+/-0.016 χ^2/NDF:13033577.1/54

Out: 123.288+/-0.016 χ^2/NDF:15198107.6/60

All: 123.534+/-0.011 χ^2/NDF: 28232181.0/11



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: 1934.364+/-475.255 χ^2/NDF: 41.0/35

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

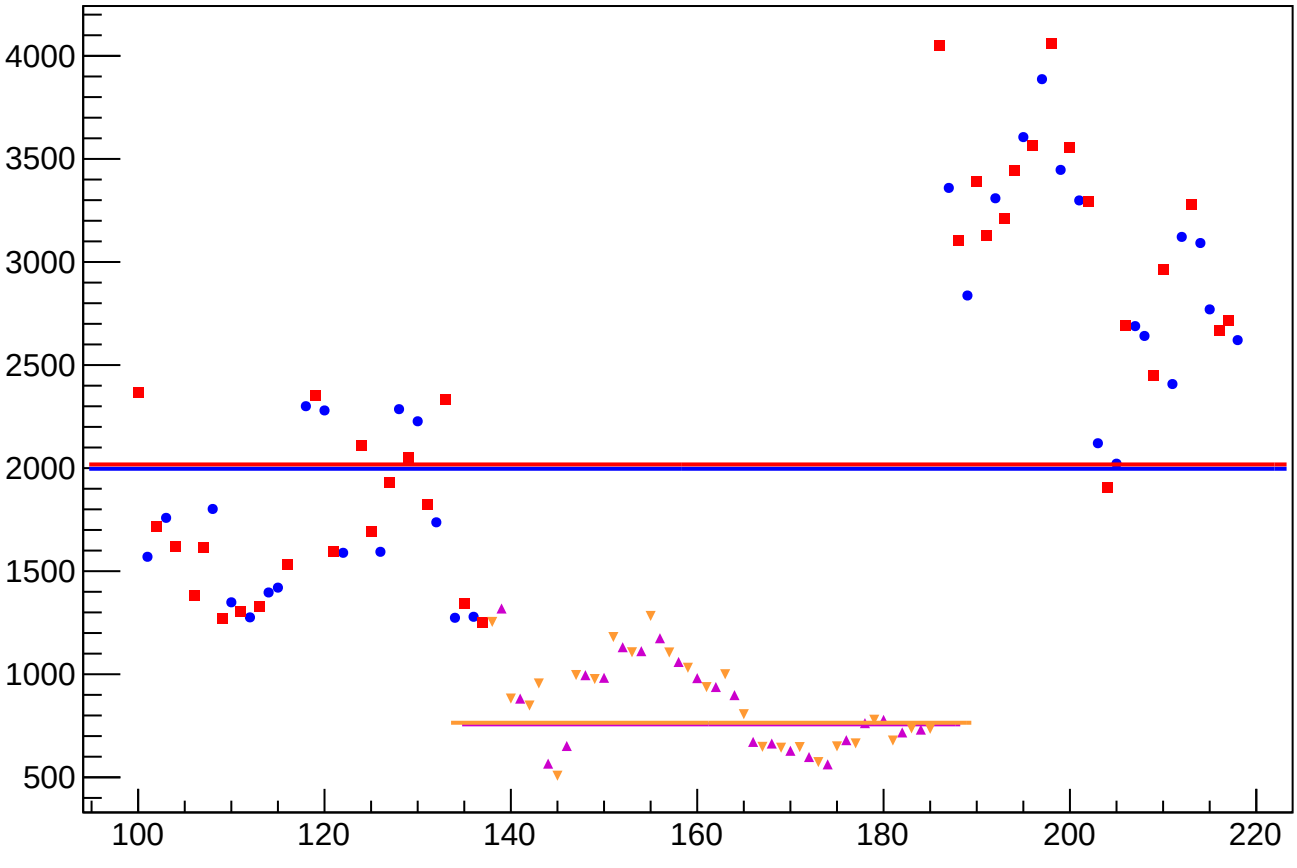
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 84.704+/-335.330 χ^2/NDF: 123.6/67

In: -128.946+/-170.783 χ^2/NDF:92.2/54

Out: -451.255+/-168.246 χ^2/NDF:139.8/60

All: -292.512+/-119.855 χ^2/NDF: 233.9/115



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: 2017.832+/-0.336 χ^2/NDF: 5048253.6/35

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

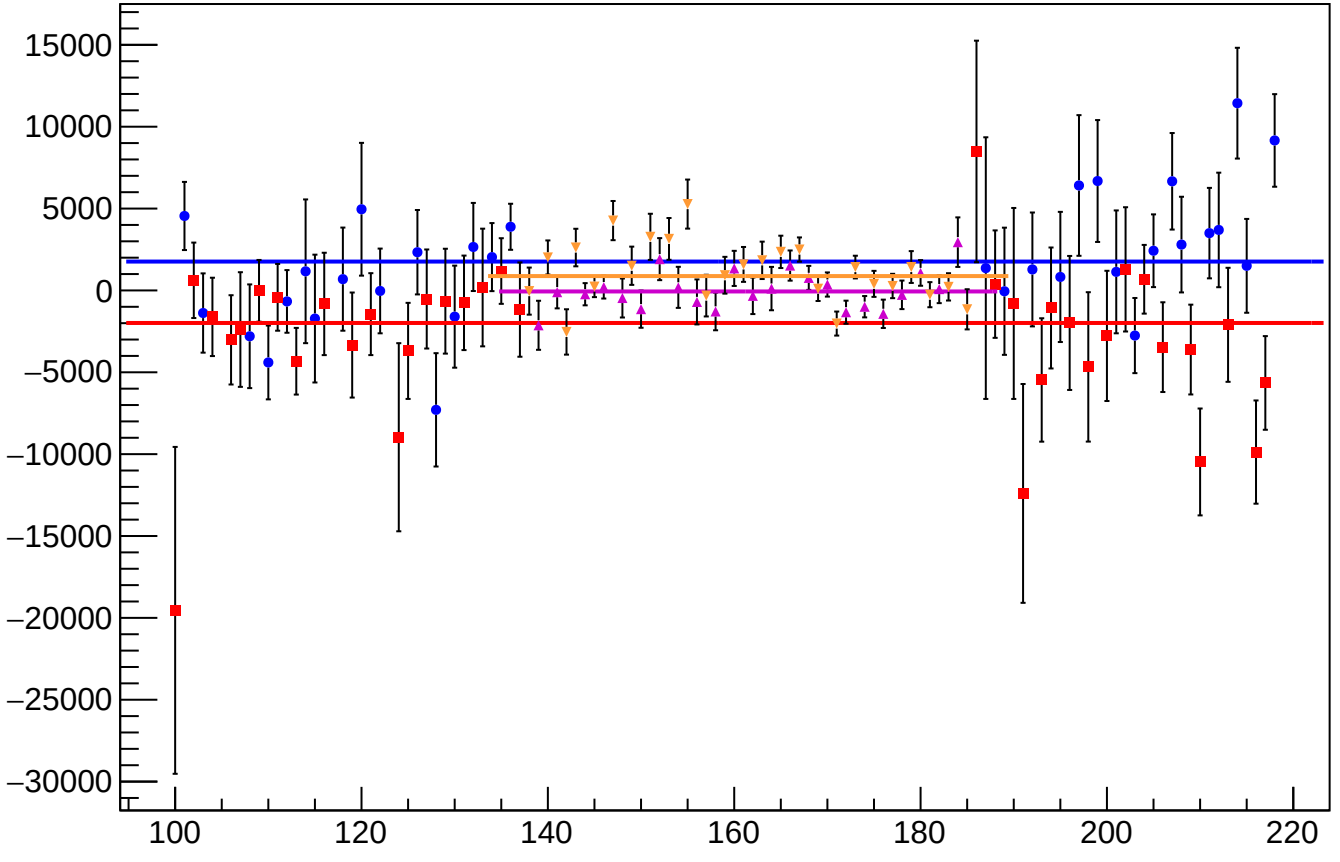
Right: 2007.318+/-0.237 χ^2/NDF: 9452218.3/67

In: 918.435+/-0.121 χ^2/NDF:18461060.2/54

Out: 921.778+/-0.119 χ^2/NDF:19635476.7/60

All: 920.132+/-0.085 χ^2/NDF: 38096925.8/1

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: -1987.606+/-495.400 χ^2/NDF: 37.6/35

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

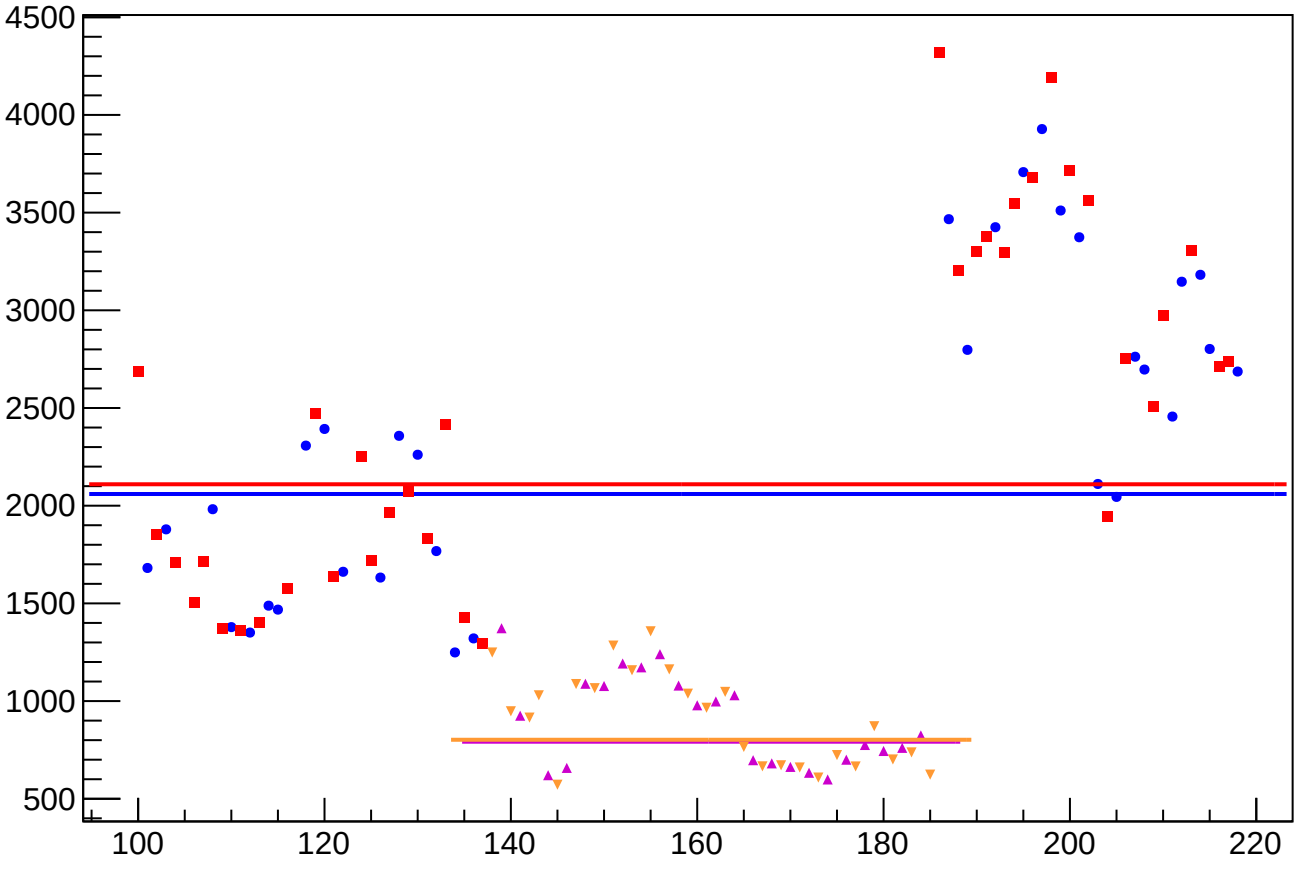
Right: -82.045+/-347.460 χ^2/NDF: 119.7/67

In: 181.550+/-178.317 χ^2/NDF:92.2/54

Out: 512.586+/-176.584 χ^2/NDF:134.0/60

All: 348.684+/-125.472 χ^2/NDF: 228.0/115

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: 2109.656+/-0.350 χ^2/NDF: 4783420.3/35

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

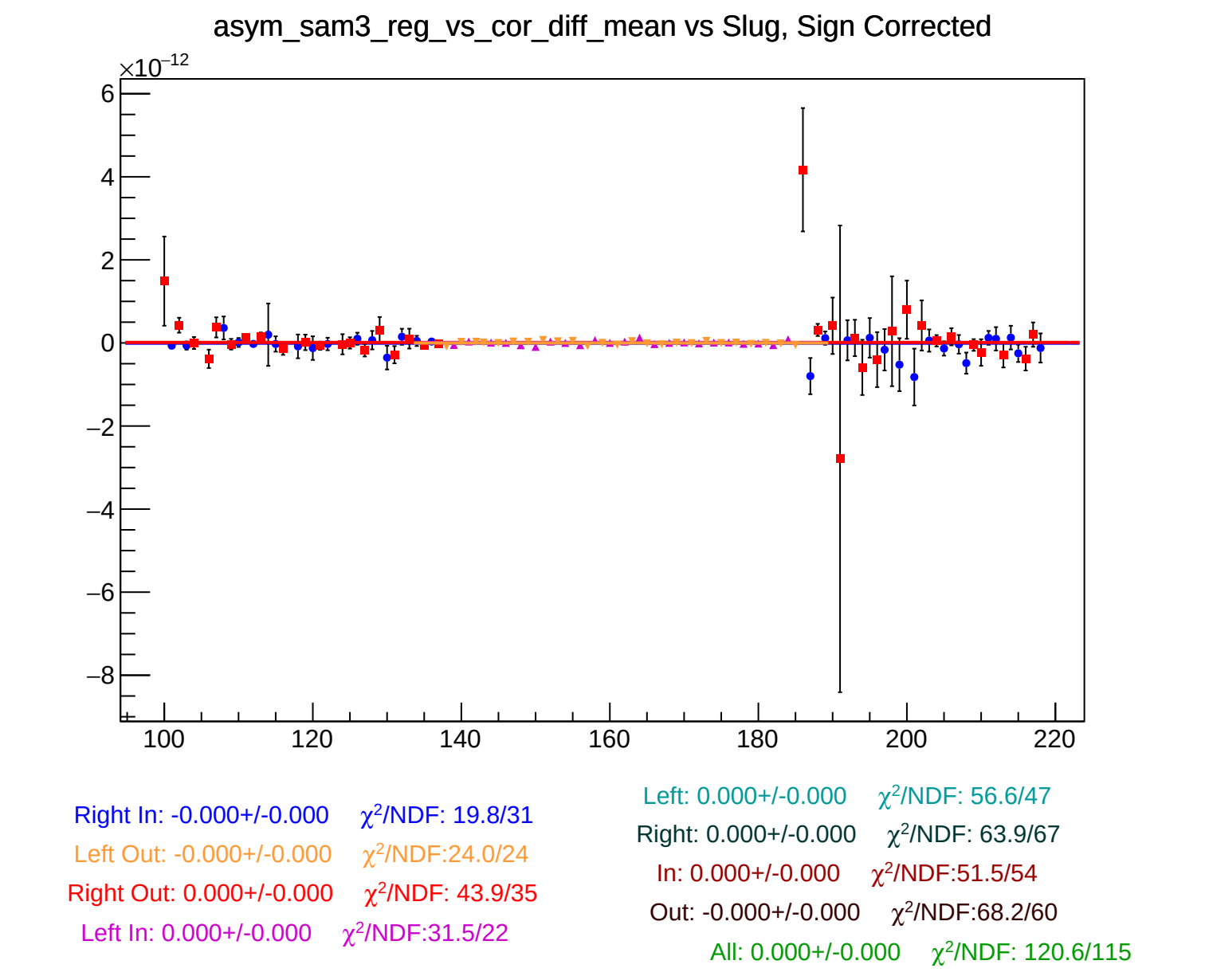
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

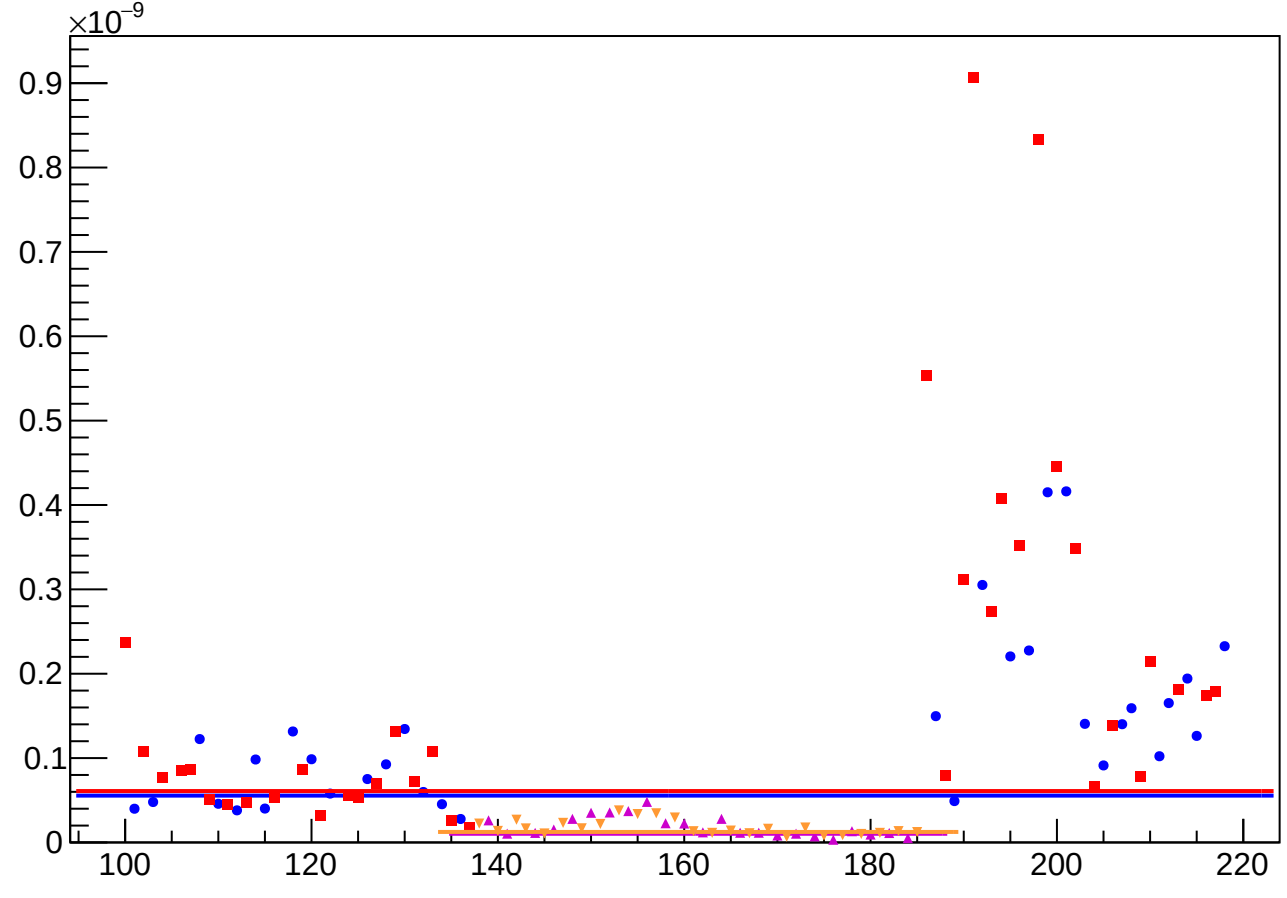
Right: 2084.329+/-0.246 χ^2/NDF: 9050378.7/67

In: 961.704+/-0.126 χ^2/NDF:18109511.8/54

Out: 968.156+/-0.125 χ^2/NDF:19343631.7/60

All: 964.962+/-0.089 χ^2/NDF: 37454465.6/1


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: 43.9/35
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: 63.9/67
In: 0.000+/-0.000 χ²/NDF:51.5/54
Out: -0.000+/-0.000 χ²/NDF:68.2/60
All: 0.000+/-0.000 χ²/NDF: 120.6/115



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: 7280439.5/35

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

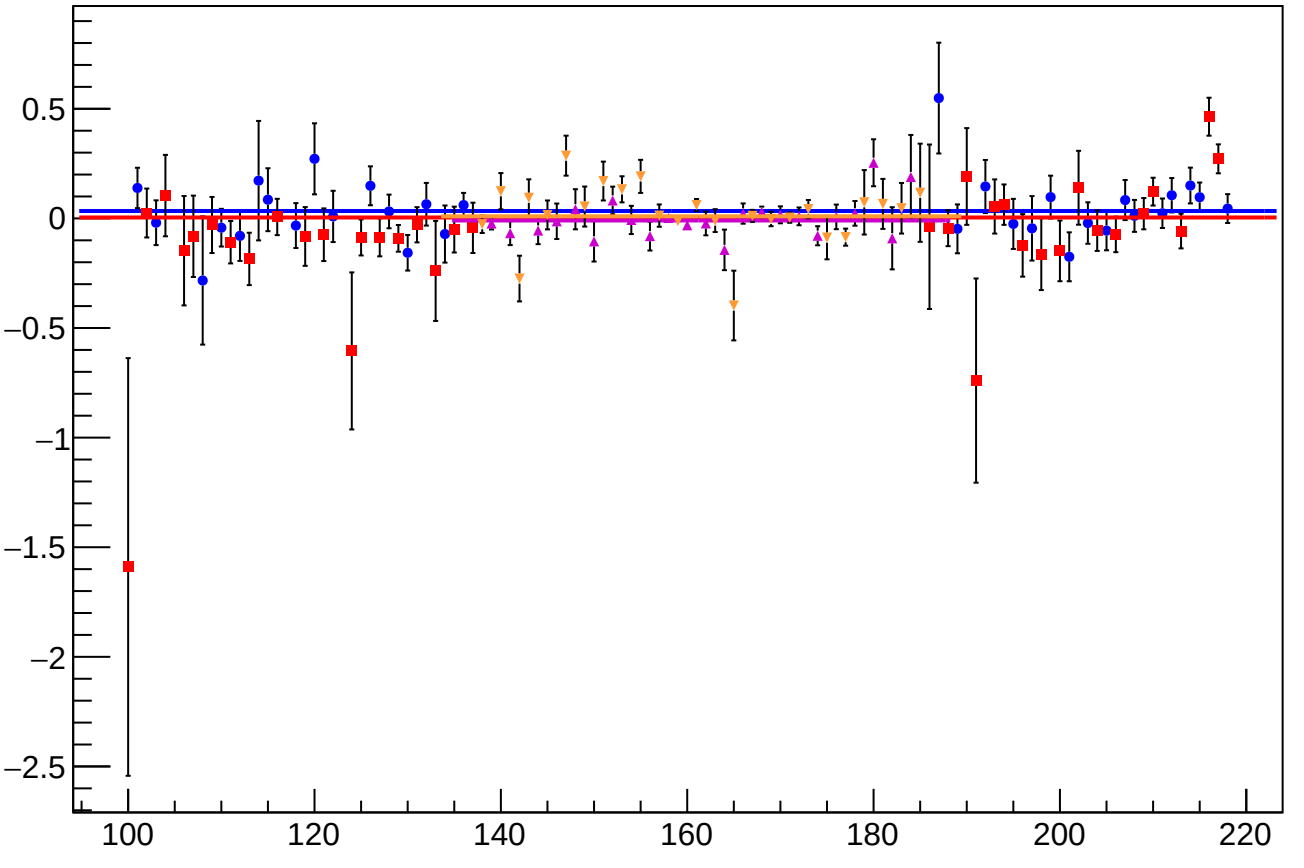
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13821365.8/67

In: 0.000+/-0.000 χ^2/NDF:16409285.7/54

Out: 0.000+/-0.000 χ^2/NDF:15485791.1/60

All: 0.000+/-0.000 χ^2/NDF: 32094146.5/115



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: 0.004+/-0.017 χ^2/NDF: 75.9/35

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

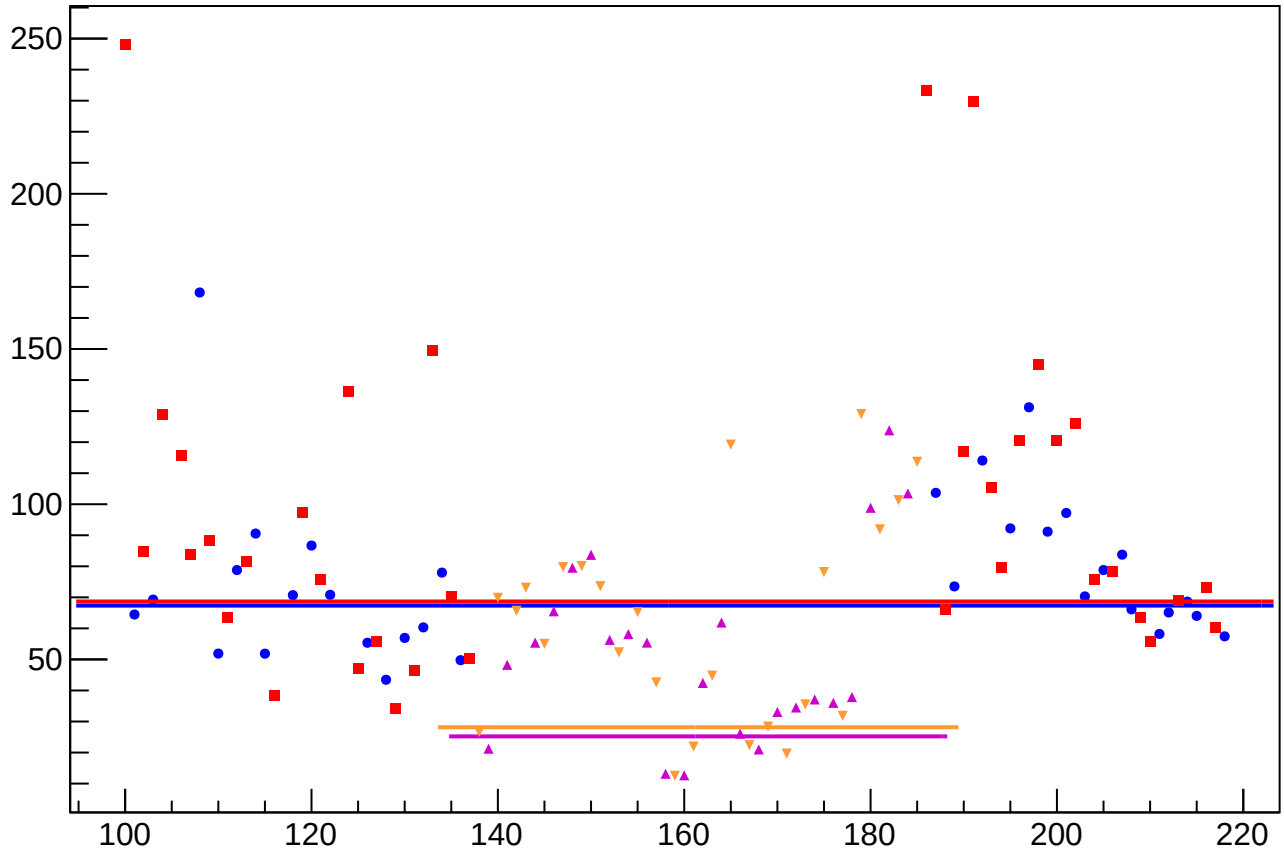
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.020+/-0.012 χ^2/NDF: 108.6/67

In: -0.001+/-0.007 χ^2/NDF:62.0/54

Out: 0.009+/-0.008 χ^2/NDF:130.6/60

All: 0.003+/-0.005 χ^2/NDF: 193.5/115



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: 68.667+/-0.012 χ^2/NDF: 4505689.5/35

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

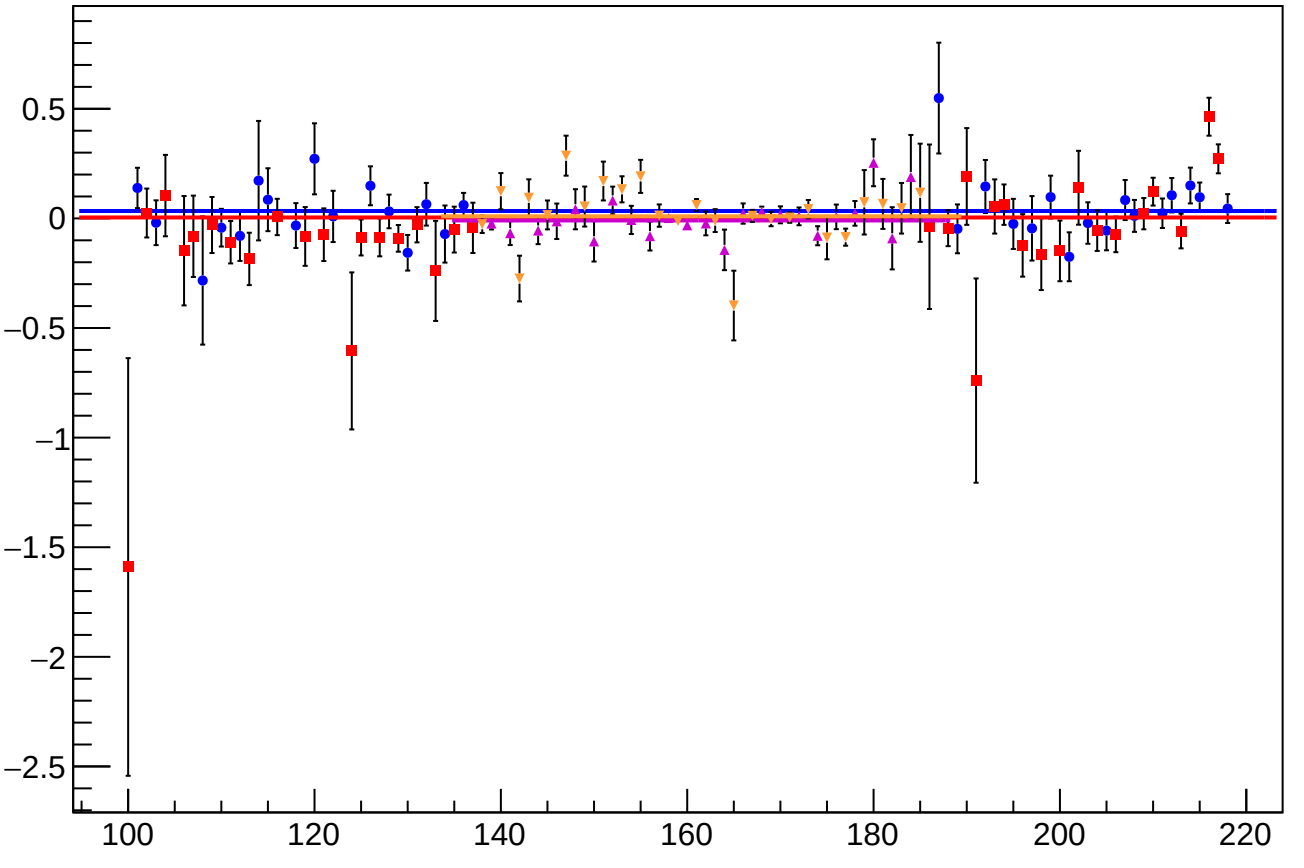
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 67.977+/-0.008 χ^2/NDF: 6662582.6/67

In: 33.056+/-0.005 χ^2/NDF:22652228.6/54

Out: 35.963+/-0.005 χ^2/NDF:24426172.0/60

All: 34.421+/-0.004 χ^2/NDF: 47233702.9/115



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: 0.004+/-0.017 χ^2/NDF: 75.9/35

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

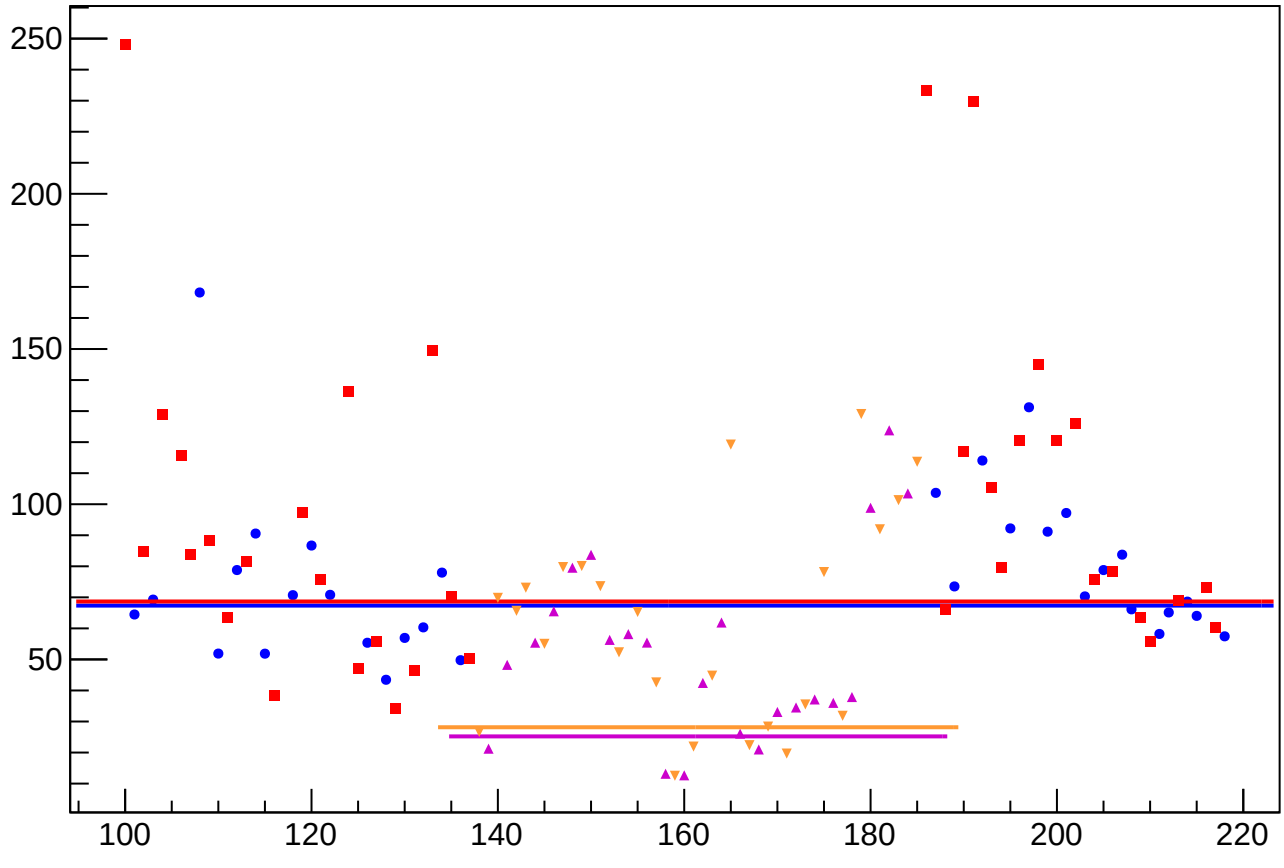
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.020+/-0.012 χ^2/NDF: 108.6/67

In: -0.001+/-0.007 χ^2/NDF:62.0/54

Out: 0.009+/-0.008 χ^2/NDF:130.6/60

All: 0.003+/-0.005 χ^2/NDF: 193.5/115



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: 68.667+/-0.012 χ^2/NDF: 4505689.5/35

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

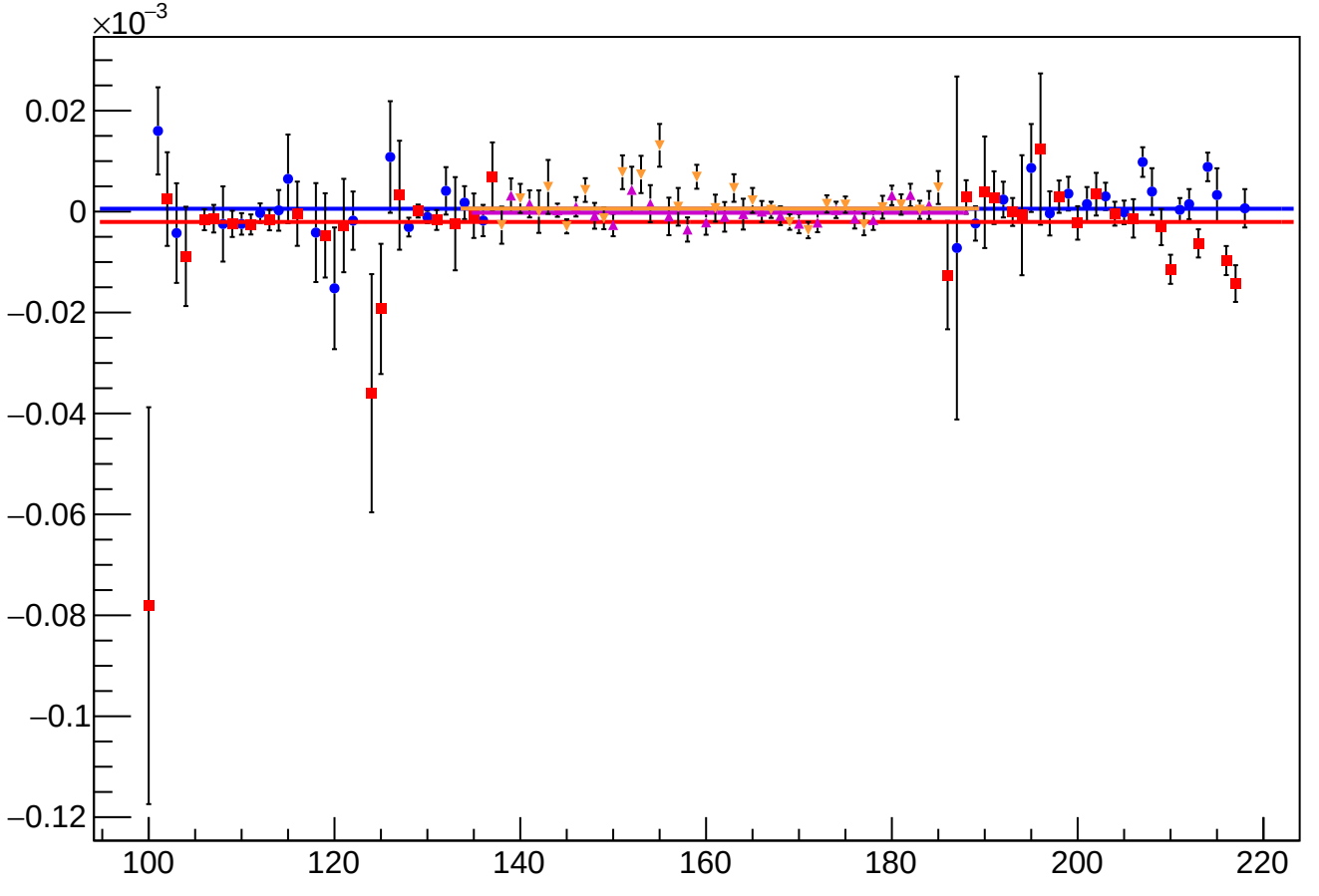
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 67.977+/-0.008 χ^2/NDF: 6662582.6/67

In: 33.056+/-0.005 χ^2/NDF:22652228.6/54

Out: 35.963+/-0.005 χ^2/NDF:24426172.0/60

All: 34.421+/-0.004 χ^2/NDF: 47233702.9/115



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: 55.4/35

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

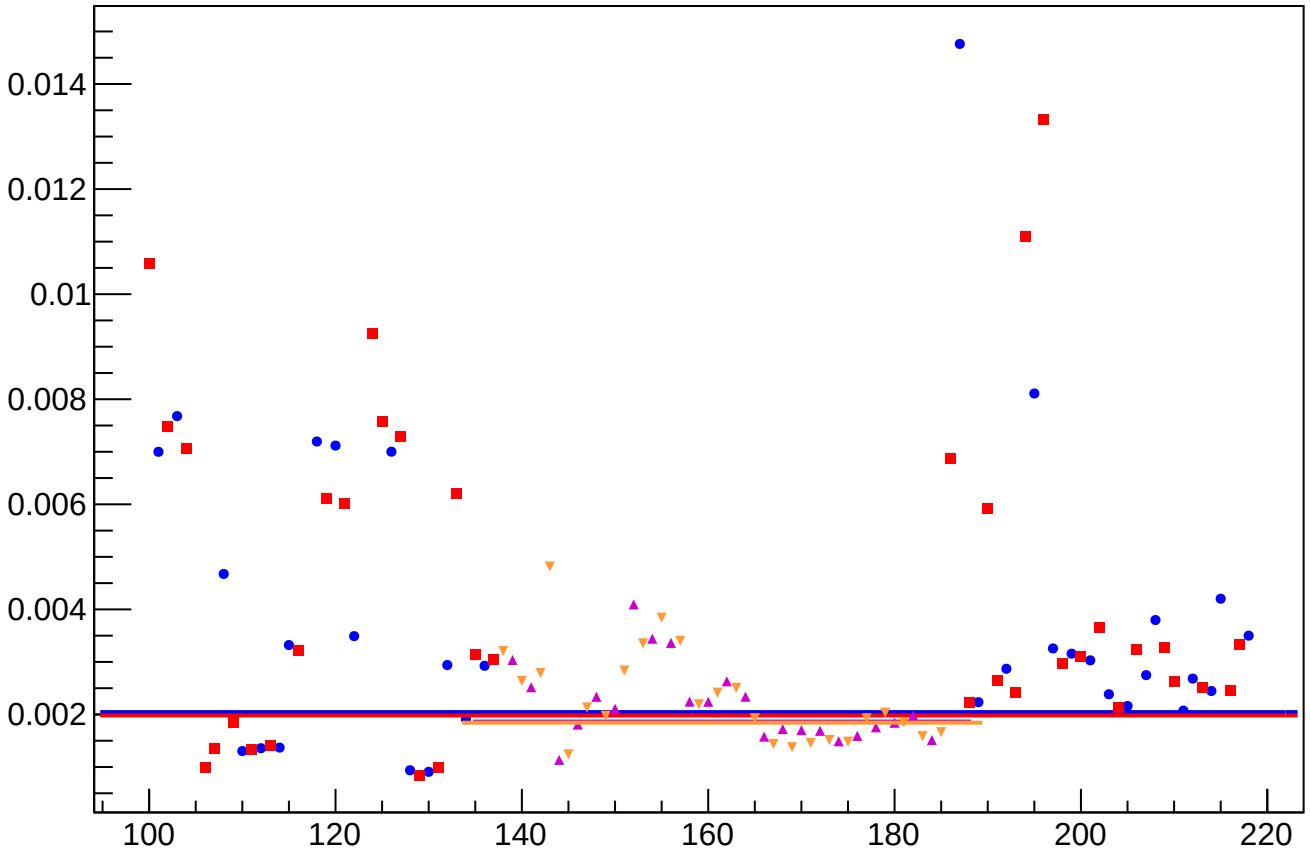
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 105.8/67

In: 0.000+/-0.000 χ^2/NDF:56.9/54

Out: -0.000+/-0.000 χ^2/NDF:121.9/60

All: -0.000+/-0.000 χ^2/NDF: 180.0/115



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: 11795662.0/35

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

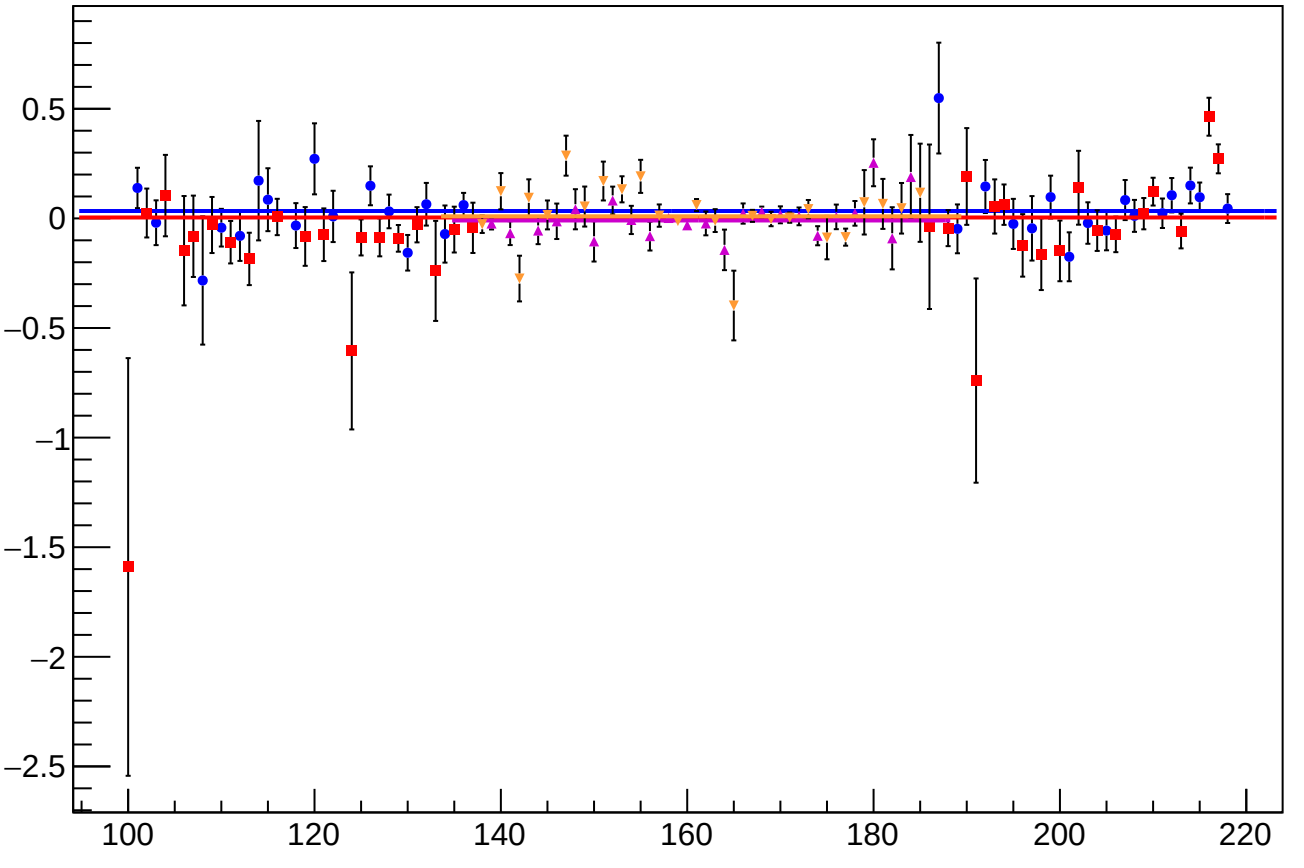
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 21093792.3/67

In: 0.002+/-0.000 χ^2/NDF:12204239.5/54

Out: 0.002+/-0.000 χ^2/NDF:15655416.7/60

All: 0.002+/-0.000 χ^2/NDF: 27872861.5/115



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: 0.004+/-0.017 χ^2/NDF: 75.8/35

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

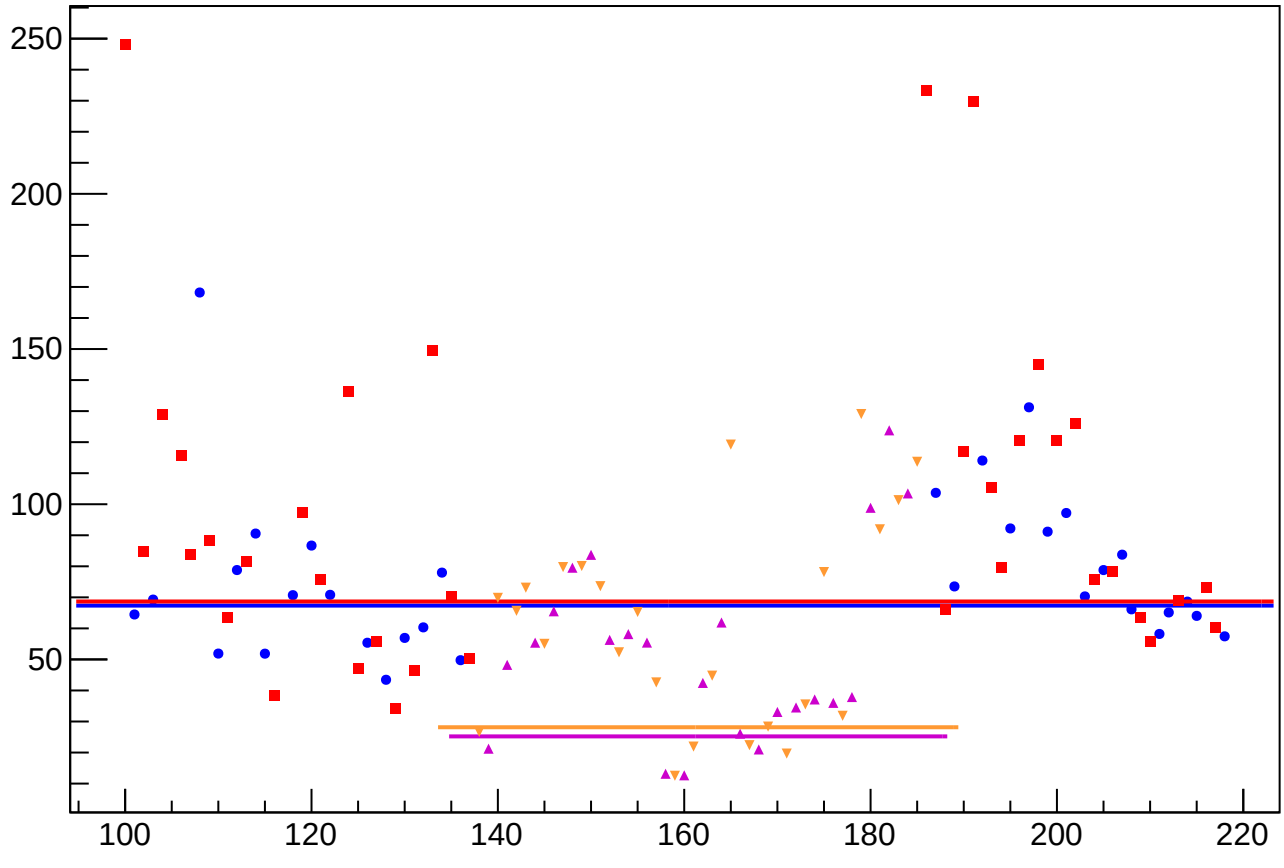
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.020+/-0.012 χ^2/NDF: 108.6/67

In: -0.001+/-0.007 χ^2/NDF:62.0/54

Out: 0.009+/-0.008 χ^2/NDF:130.6/60

All: 0.003+/-0.005 χ^2/NDF: 193.5/115



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: 68.668+/-0.012 χ^2/NDF: 4505746.7/35

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

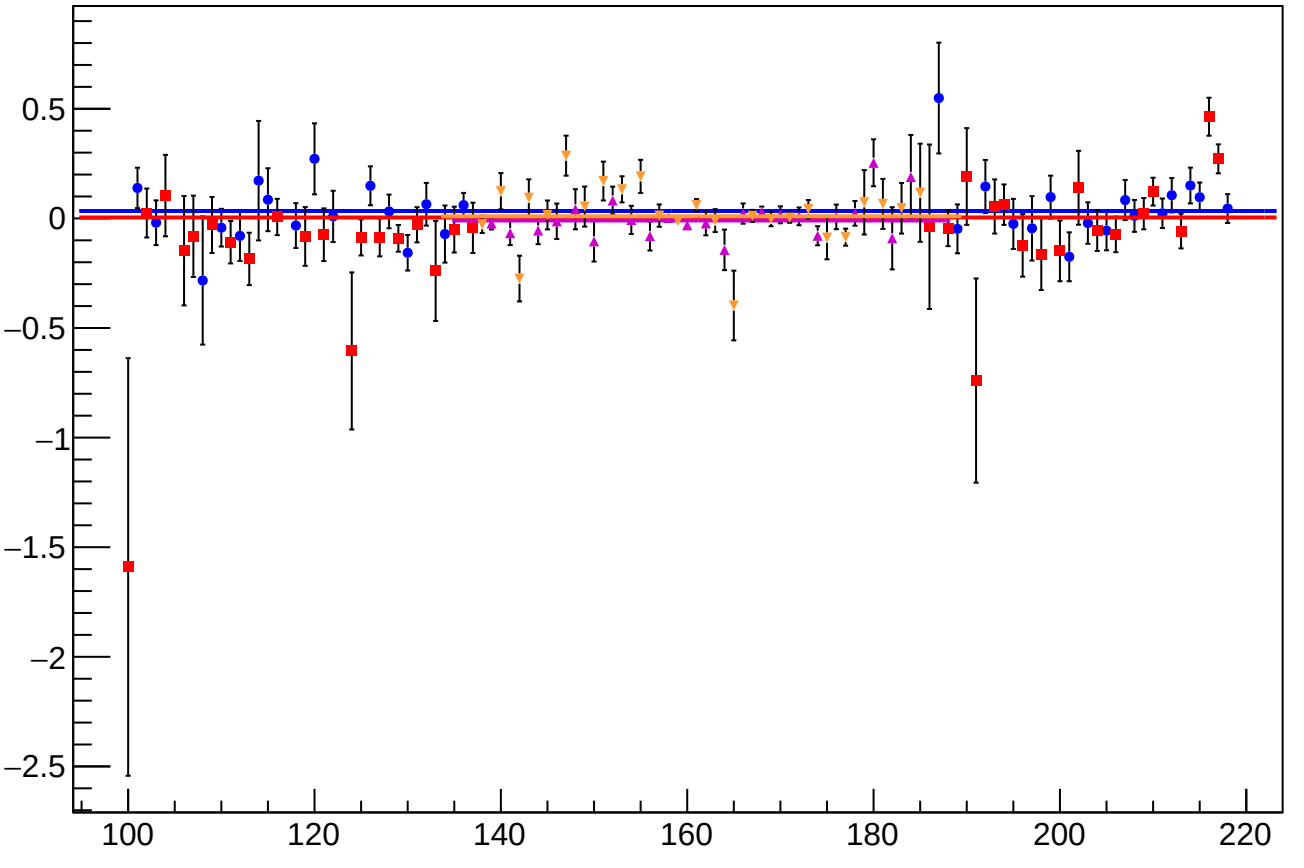
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 67.978+/-0.008 χ^2/NDF: 6662632.5/67

In: 33.056+/-0.005 χ^2/NDF:22653035.8/54

Out: 35.962+/-0.005 χ^2/NDF:24428077.9/60

All: 34.420+/-0.004 χ^2/NDF: 47236333.7/115



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: 0.004+/-0.017 χ^2/NDF: 75.8/35

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

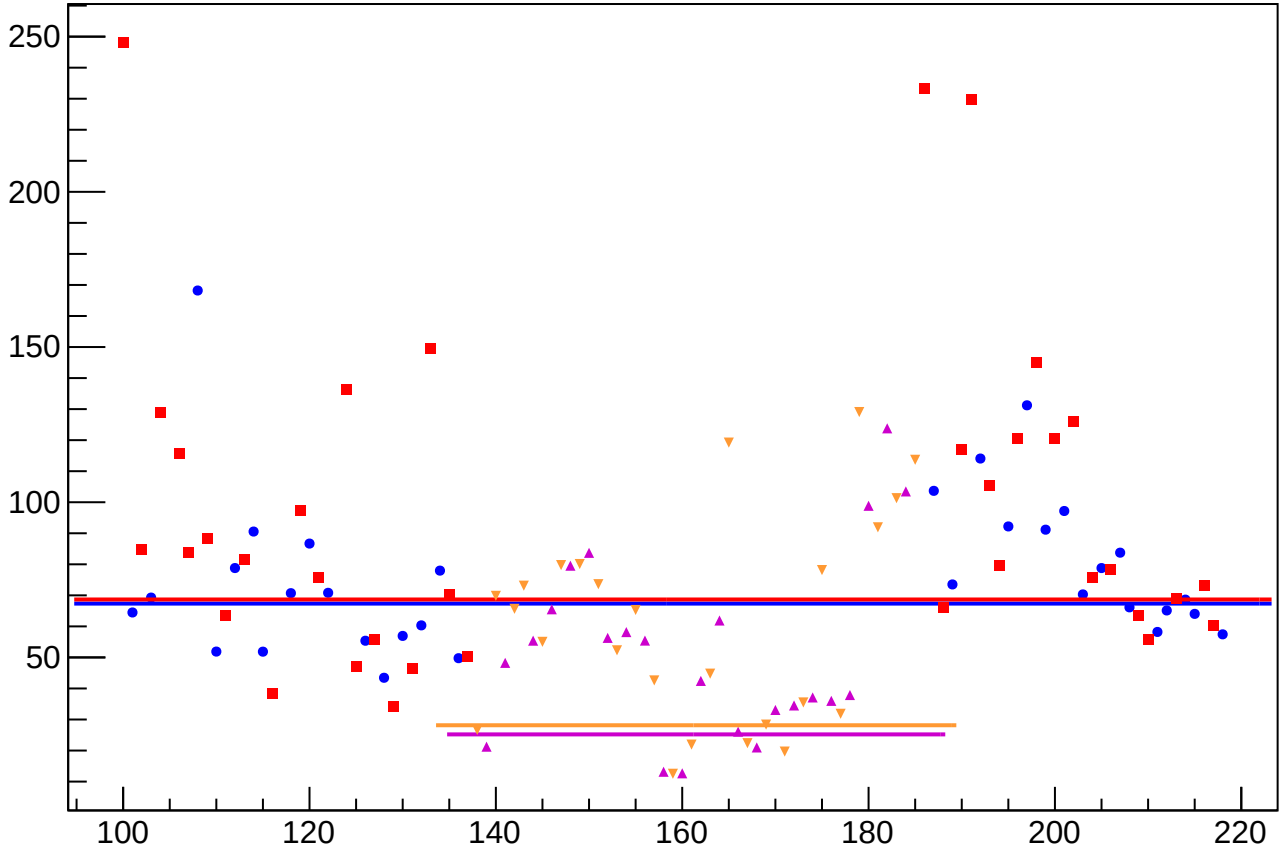
Right: 0.020+/-0.012 χ^2/NDF: 108.6/67

In: -0.001+/-0.007 χ^2/NDF:62.0/54

Out: 0.009+/-0.008 χ^2/NDF:130.6/60

All: 0.003+/-0.005 χ^2/NDF: 193.5/115

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: 68.668+/-0.012 χ^2/NDF: 4505746.7/35

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

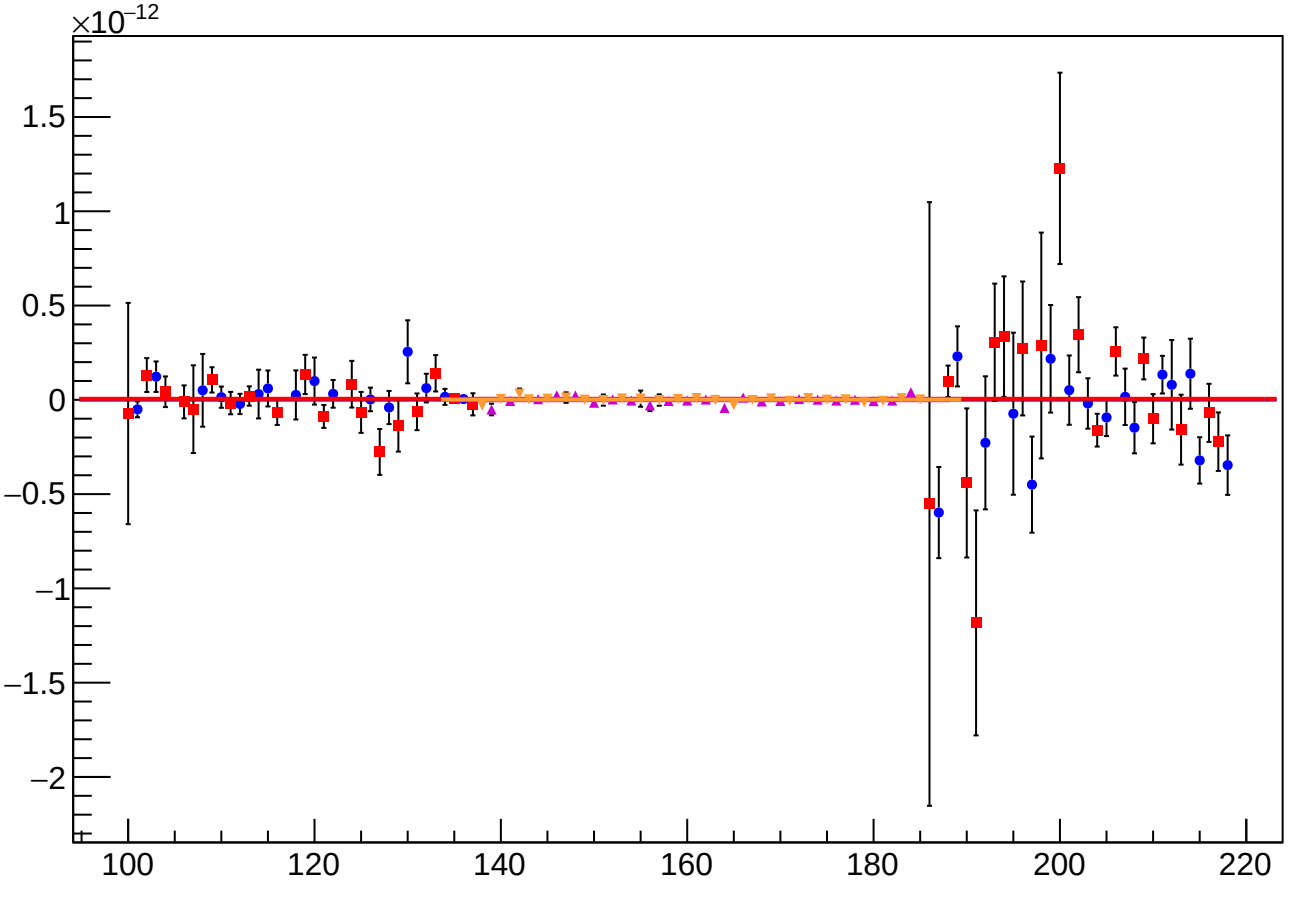
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 67.978+/-0.008 χ^2/NDF: 6662632.5/67

In: 33.056+/-0.005 χ^2/NDF:22653035.8/54

Out: 35.962+/-0.005 χ^2/NDF:24428077.9/60

All: 34.420+/-0.004 χ^2/NDF: 47236333.7/115



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: 52.9/35

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

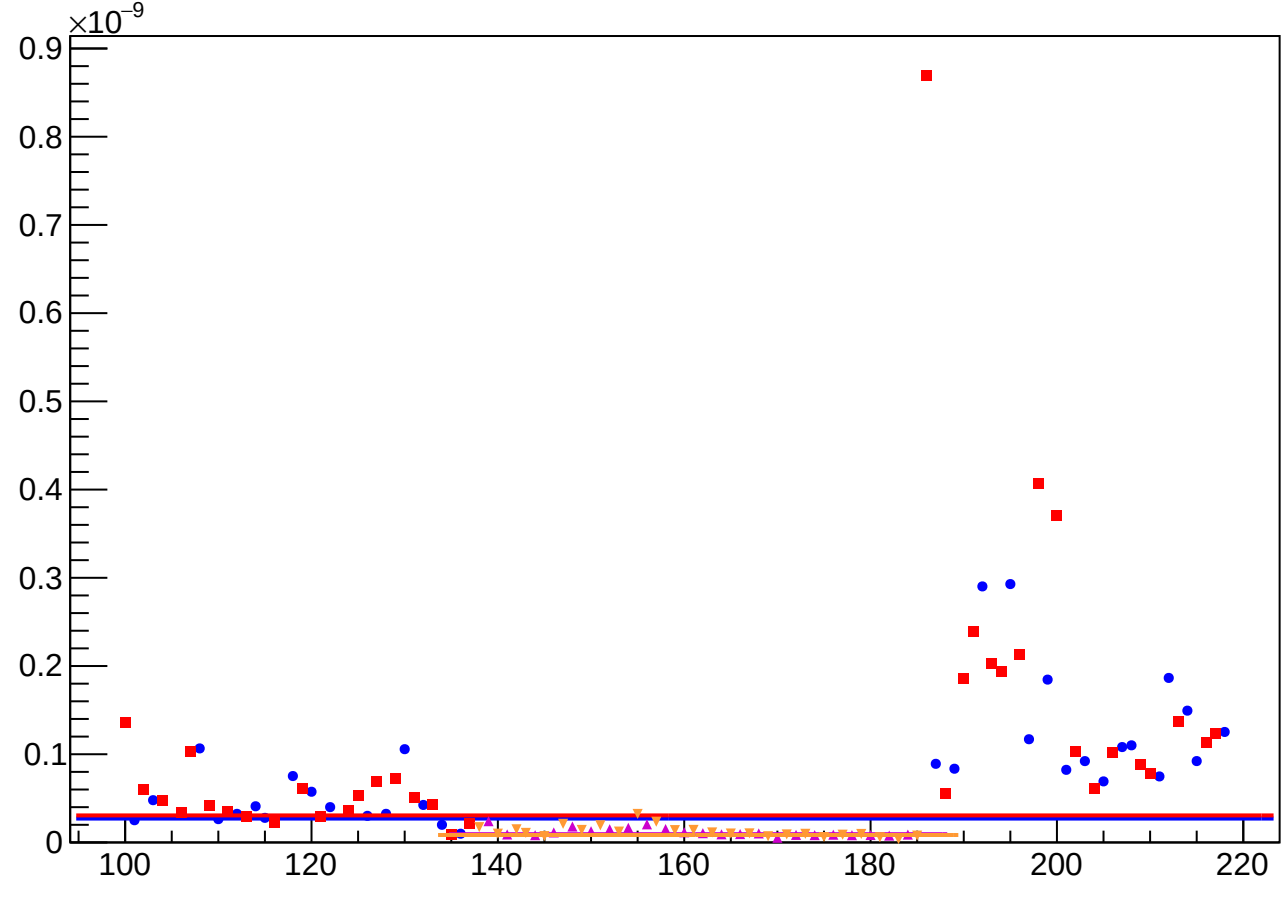
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 90.3/67

In: -0.000+/-0.000 χ^2/NDF:58.3/54

Out: 0.000+/-0.000 χ^2/NDF:64.3/60

All: 0.000+/-0.000 χ^2/NDF: 123.2/115



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: 12686837.8/35

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

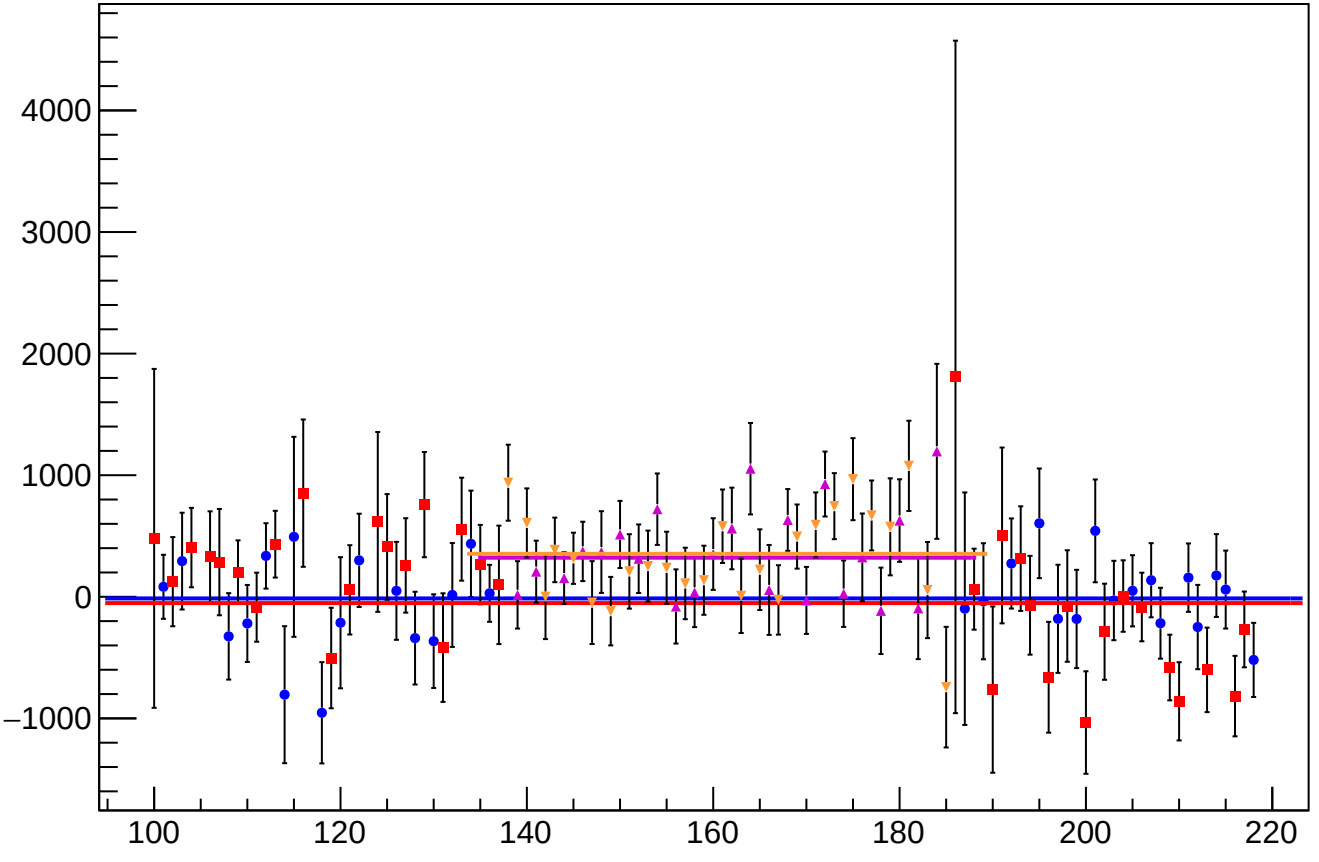
Right: 0.000+/-0.000 χ^2/NDF: 25590480.9/67

In: 0.000+/-0.000 χ^2/NDF:19323577.9/54

Out: 0.000+/-0.000 χ^2/NDF:22799709.3/60

All: 0.000+/-0.000 χ^2/NDF: 42259743.2/115

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: -51.788+/-63.133 χ^2/NDF: 50.5/35

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

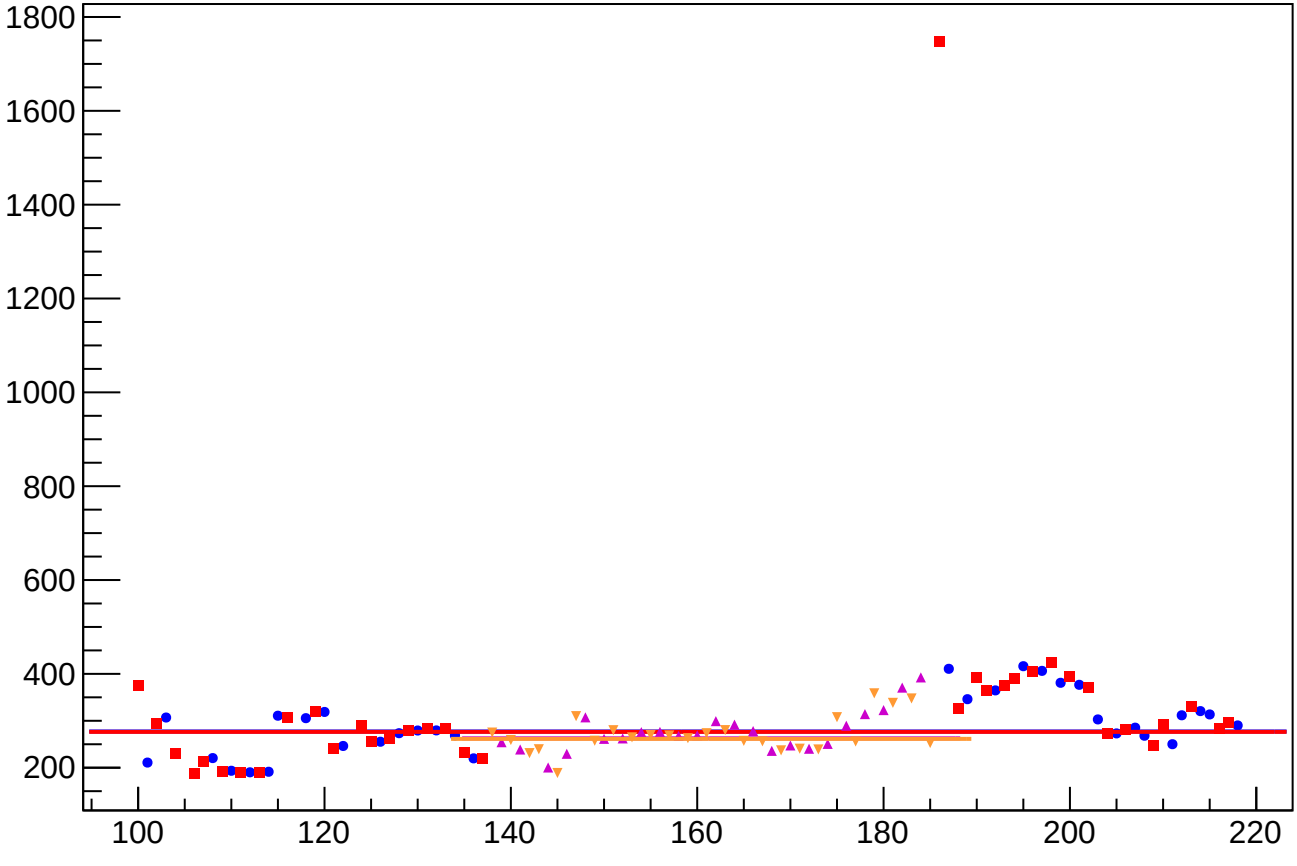
Right: -32.657+/-44.687 χ^2/NDF: 74.5/67

In: 157.099+/-44.321 χ^2/NDF:64.3/54

Out: 160.723+/-43.549 χ^2/NDF:104.5/60

All: 158.943+/-31.063 χ^2/NDF: 168.7/115

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: 276.386+/-0.045 χ^2/NDF: 2610168.2/35

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

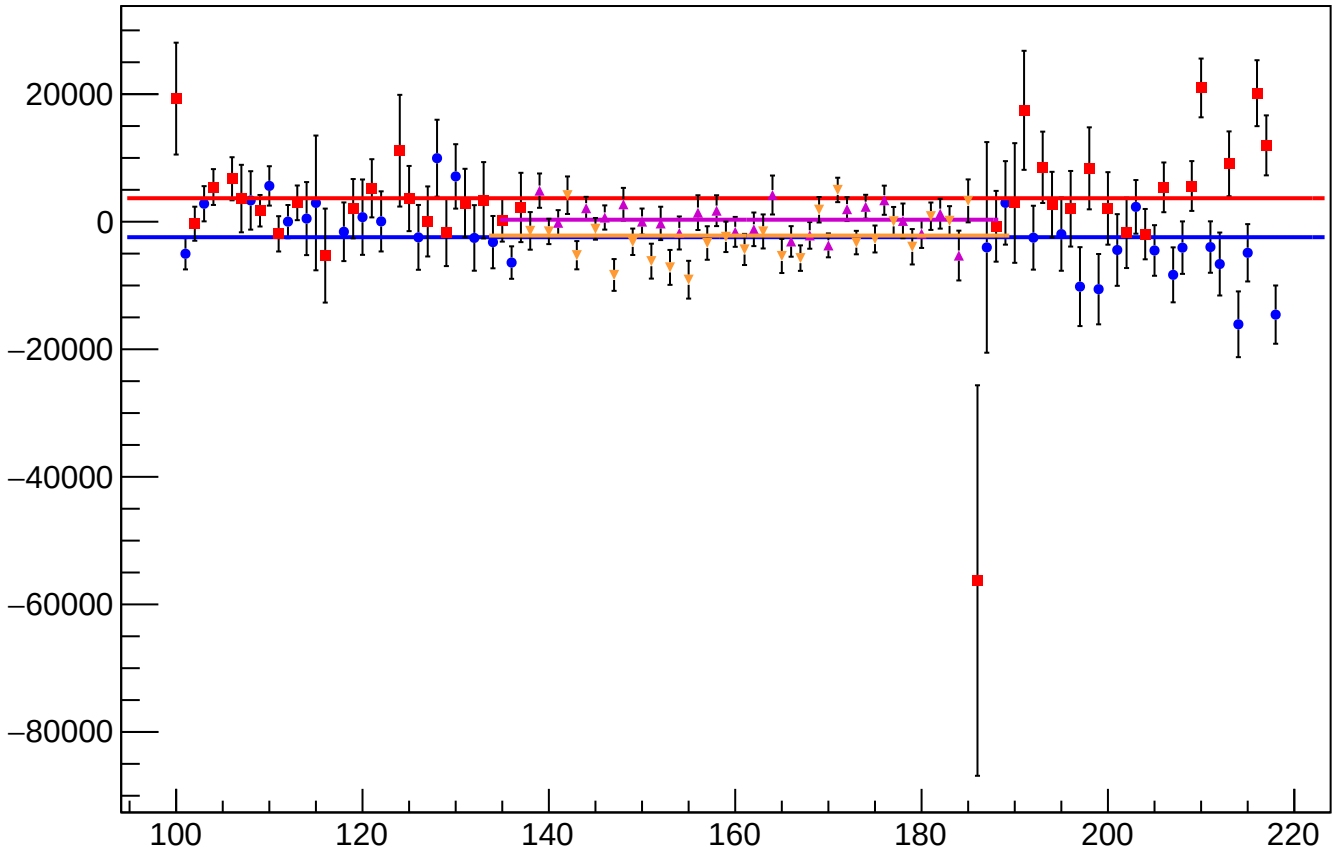
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 276.804+/-0.032 χ^2/NDF: 4269165.3/67

In: 269.786+/-0.031 χ^2/NDF:2383765.7/54

Out: 268.567+/-0.031 χ^2/NDF:3384158.2/60

All: 269.166+/-0.022 χ^2/NDF: 5768694.2/115



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: 3682.423+/-733.747 χ^2/NDF: 56.5/35

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

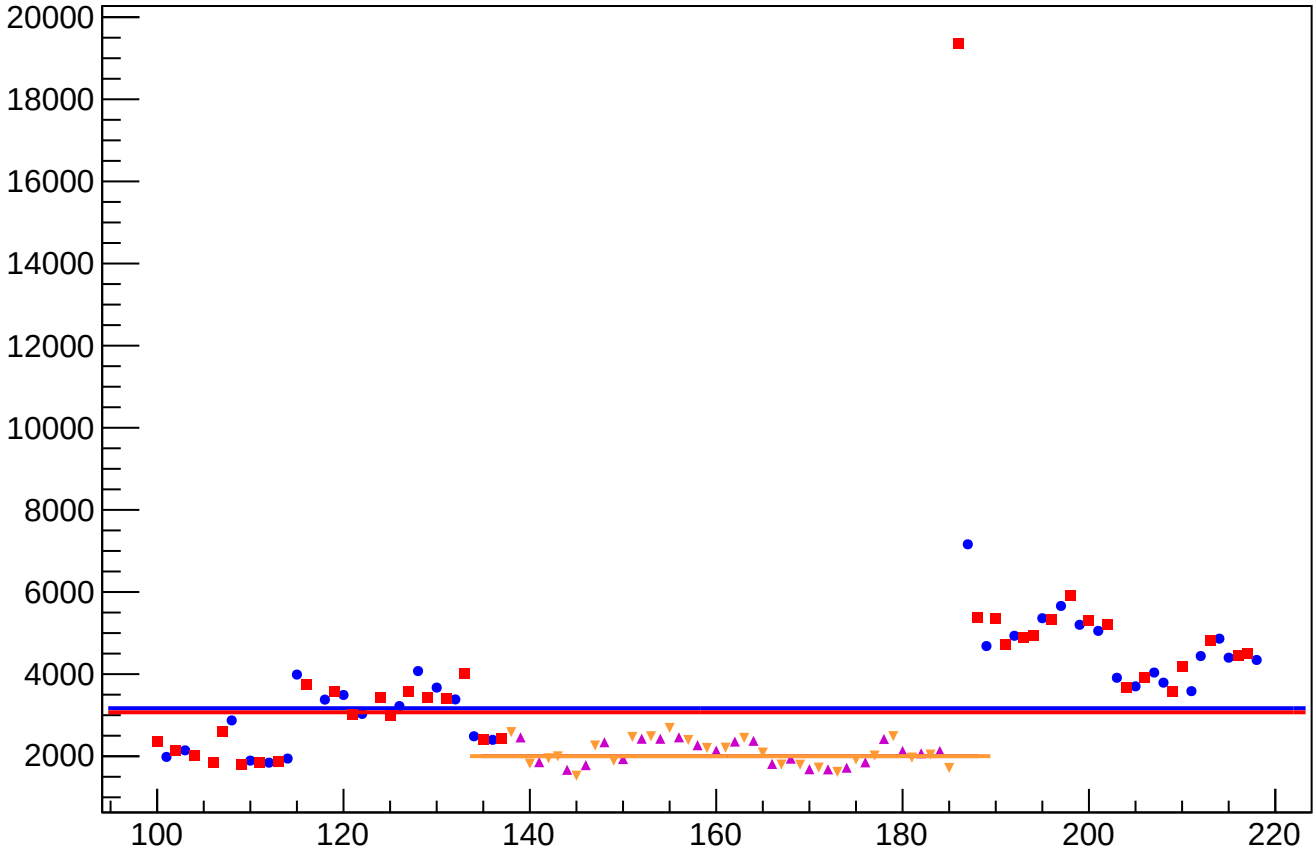
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 698.353+/-524.880 χ^2/NDF: 139.1/67

In: -467.566+/-400.912 χ^2/NDF:81.9/54

Out: -511.624+/-390.744 χ^2/NDF:157.6/60

All: -490.161+/-279.823 χ^2/NDF: 239.5/115



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: 3070.747+/-0.519 χ^2/NDF: 6082829.6/35

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

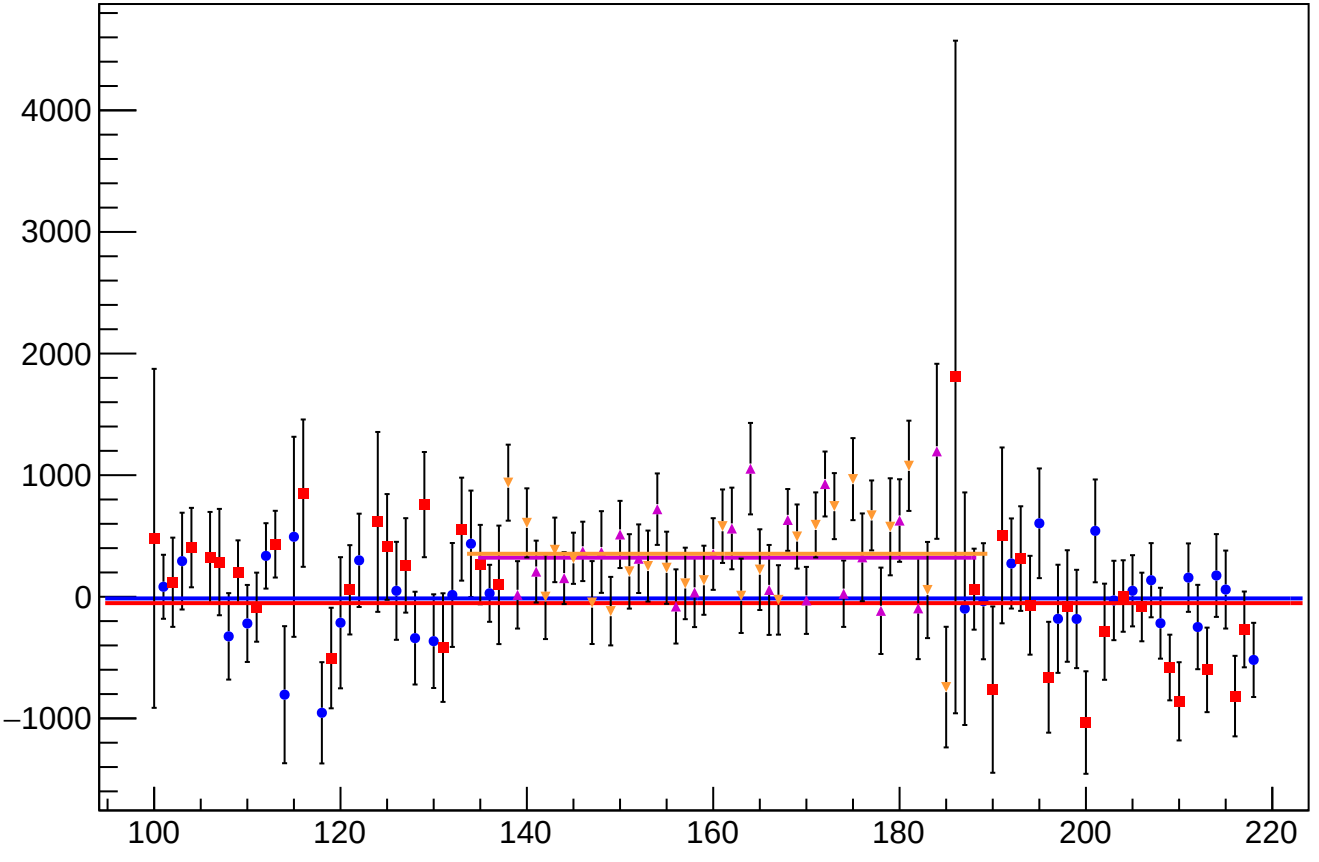
Right: 3119.131+/-0.371 χ^2/NDF: 10593766.9/67

In: 2336.289+/-0.283 χ^2/NDF:8642023.2/54

Out: 2305.251+/-0.276 χ^2/NDF:10014060.8/60

All: 2320.371+/-0.198 χ^2/NDF: 18662231.6/1

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: -52.153+/-63.138 χ^2/NDF: 50.4/35

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

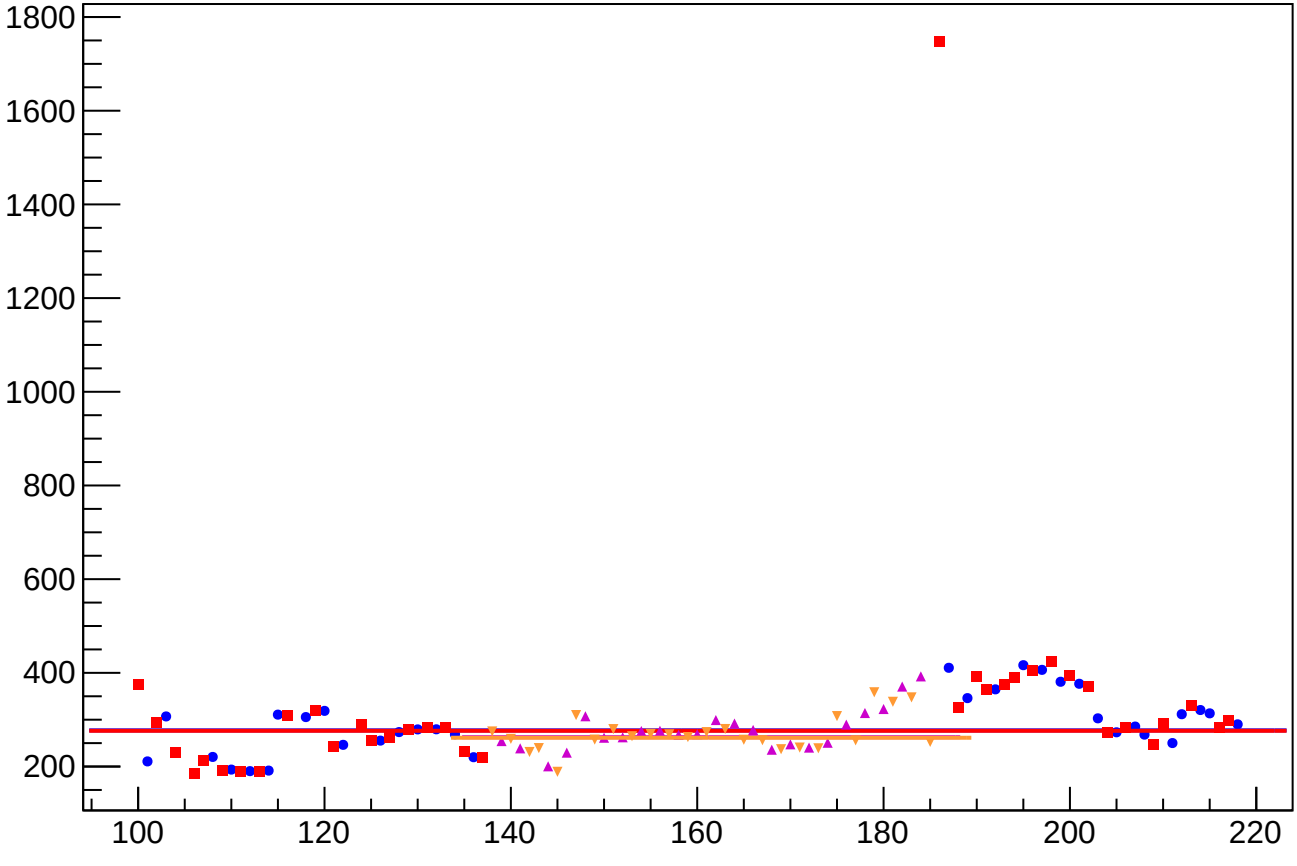
Right: -32.843+/-44.689 χ^2/NDF: 74.4/67

In: 157.097+/-44.321 χ^2/NDF:64.3/54

Out: 160.578+/-43.550 χ^2/NDF:104.4/60

All: 158.868+/-31.064 χ^2/NDF: 168.7/115

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: 276.330+/-0.045 χ^2/NDF: 2616169.8/35

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

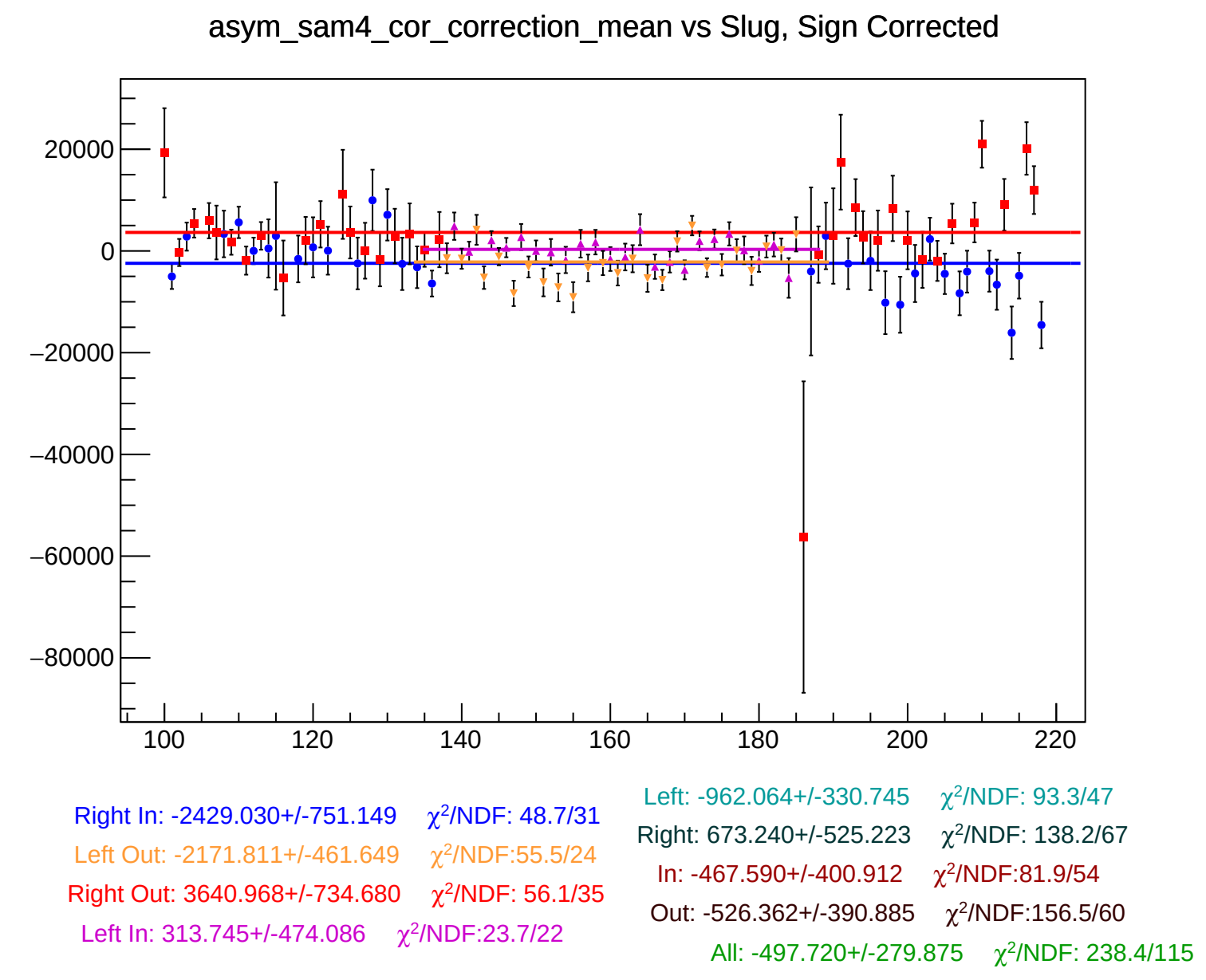
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 276.776+/-0.032 χ^2/NDF: 4275192.4/67

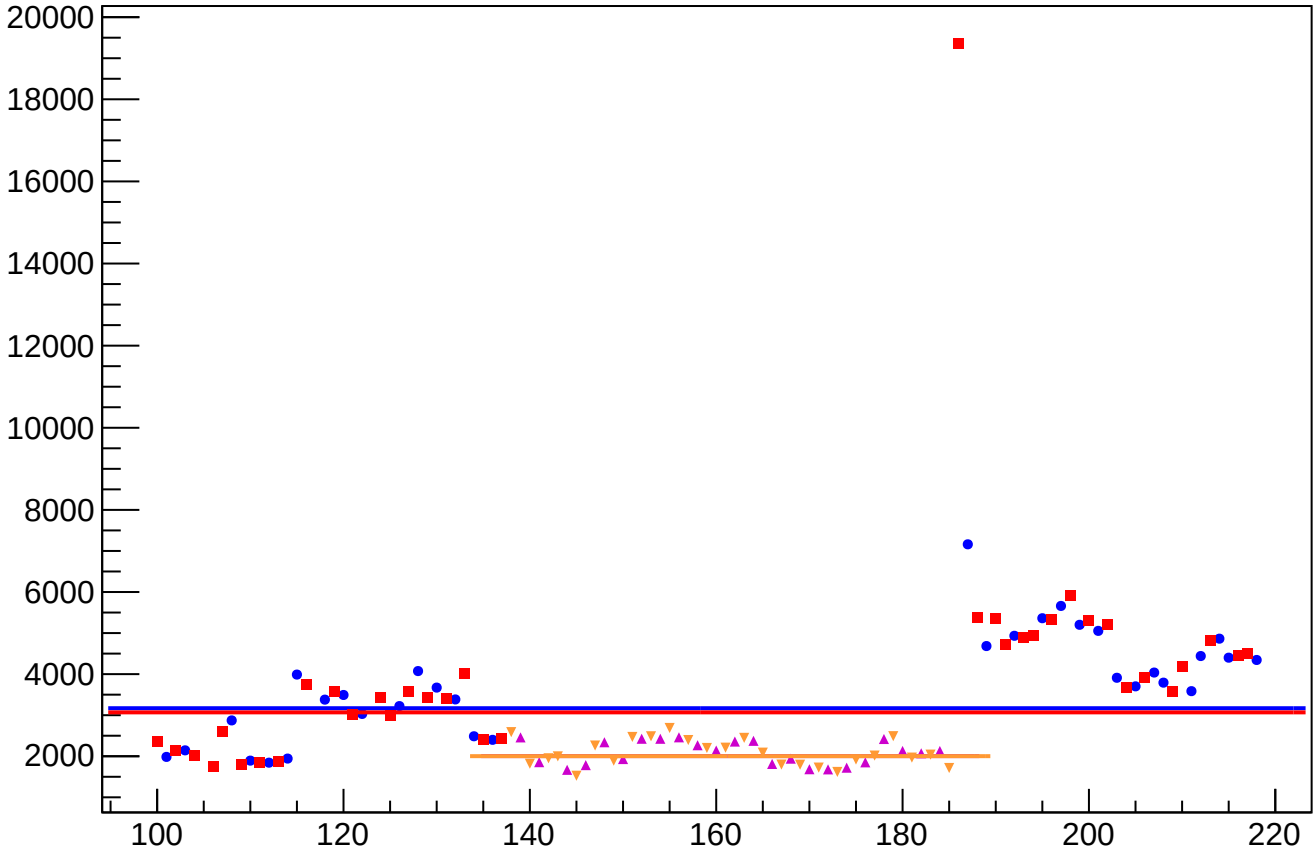
In: 269.786+/-0.031 χ^2/NDF:2383767.2/54

Out: 268.540+/-0.031 χ^2/NDF:3389715.8/60

All: 269.152+/-0.022 χ^2/NDF: 5774288.2/115


asym_sam4_cor_correction_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: -2429.030+/-751.149 χ²/NDF: 48.7/31
Left Out: -2171.811+/-461.649 χ²/NDF:55.5/24
Right Out: 3640.968+/-734.680 χ²/NDF: 56.1/35
Left In: 313.745+/-474.086 χ²/NDF:23.7/22
Left: -962.064+/-330.745 χ²/NDF: 93.3/47
Right: 673.240+/-525.223 χ²/NDF: 138.2/67
In: -467.590+/-400.912 χ²/NDF:81.9/54
Out: -526.362+/-390.885 χ²/NDF:156.5/60
All: -497.720+/-279.875 χ²/NDF: 238.4/115

asym_sam4_cor_correction_rms vs Slug, Sign Corrected



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: 3068.894+/-0.519 χ^2/NDF: 6115699.9/35

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

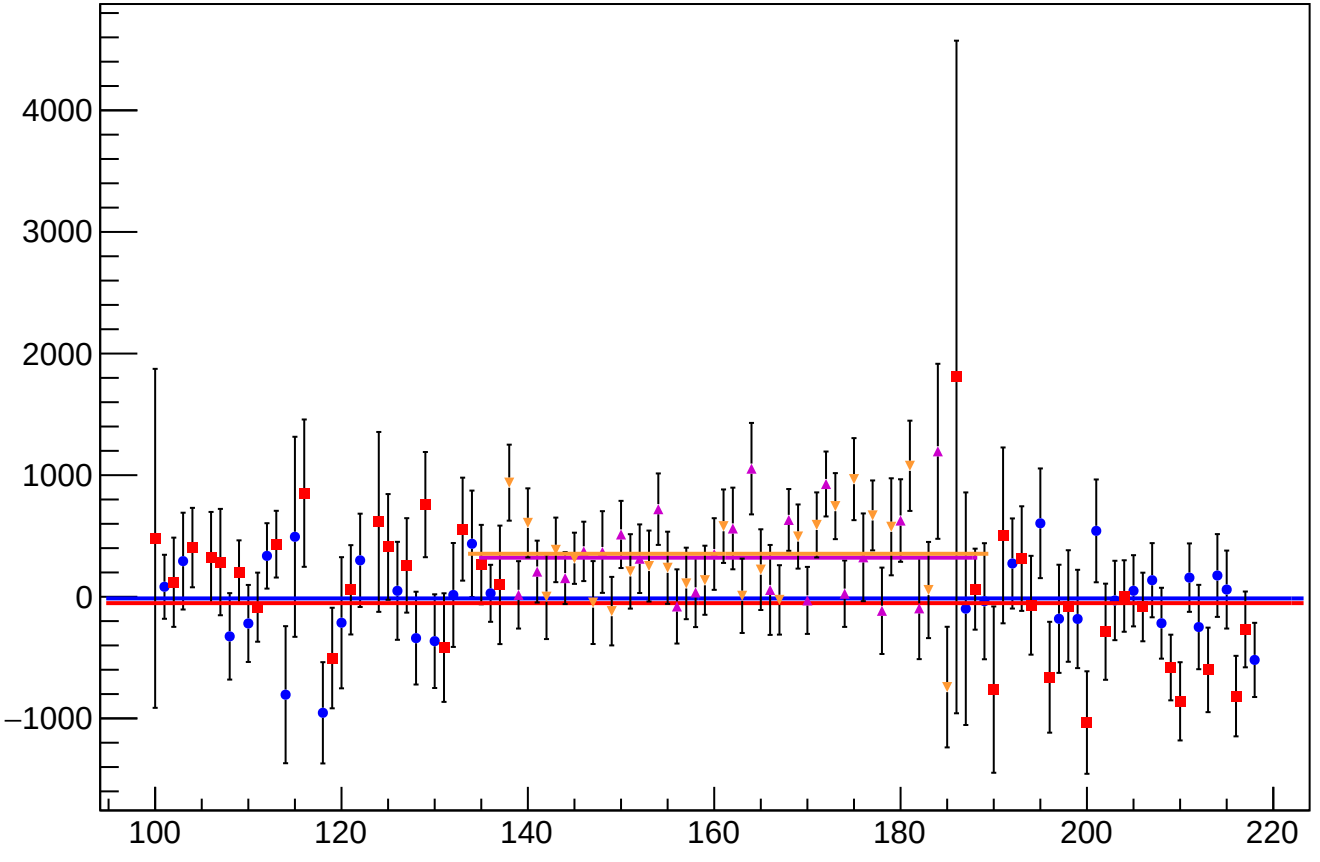
Right: 3118.258+/-0.371 χ^2/NDF: 10627167.4/67

In: 2336.294+/-0.283 χ^2/NDF:8642003.7/54

Out: 2304.175+/-0.276 χ^2/NDF:10030884.3/60

All: 2319.827+/-0.198 χ^2/NDF: 18679468.9/1

eigen_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: -52.153+/-63.138 χ^2/NDF: 50.4/35

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

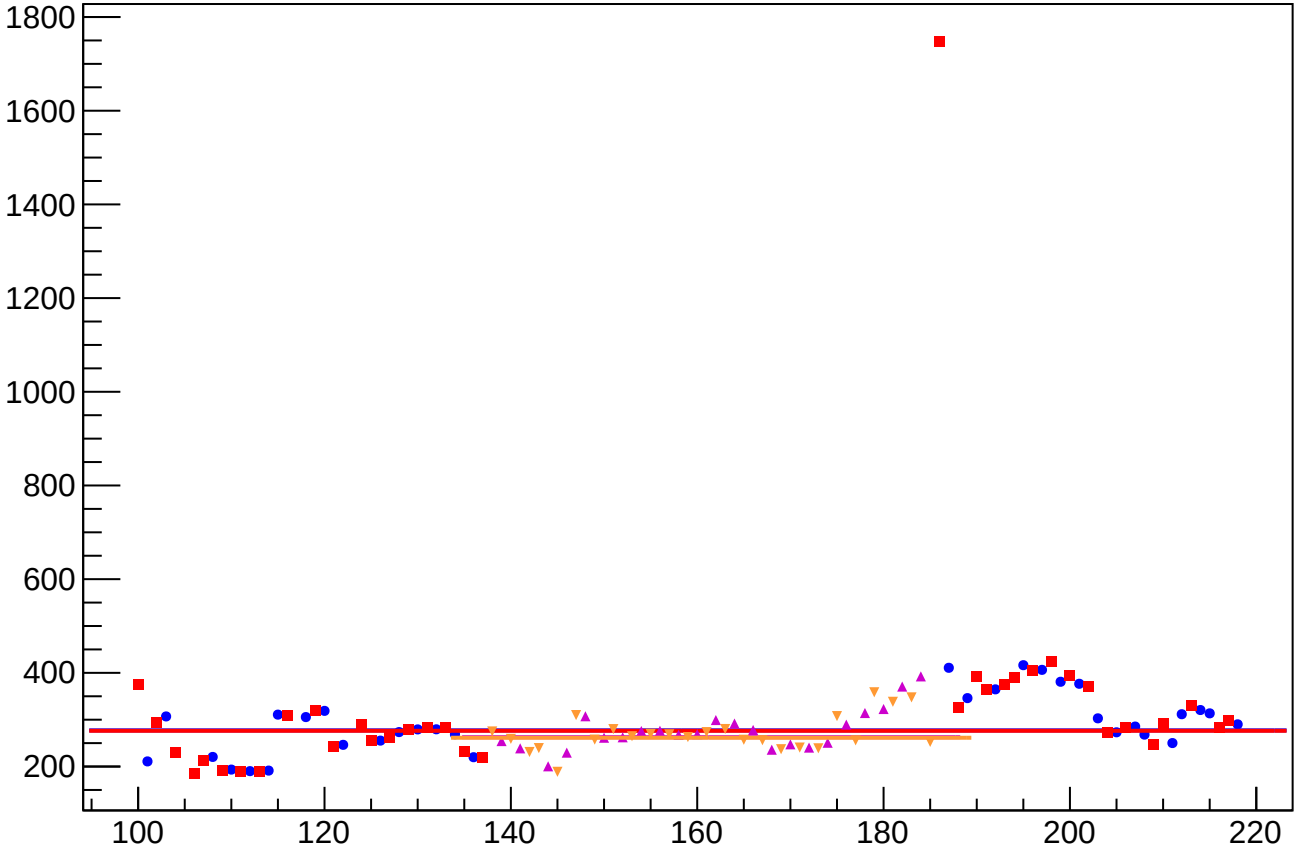
Right: -32.843+/-44.689 χ^2/NDF: 74.4/67

In: 157.097+/-44.321 χ^2/NDF:64.3/54

Out: 160.578+/-43.550 χ^2/NDF:104.4/60

All: 158.868+/-31.064 χ^2/NDF: 168.7/115

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: 276.330+/-0.045 χ^2/NDF: 2616169.8/35

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

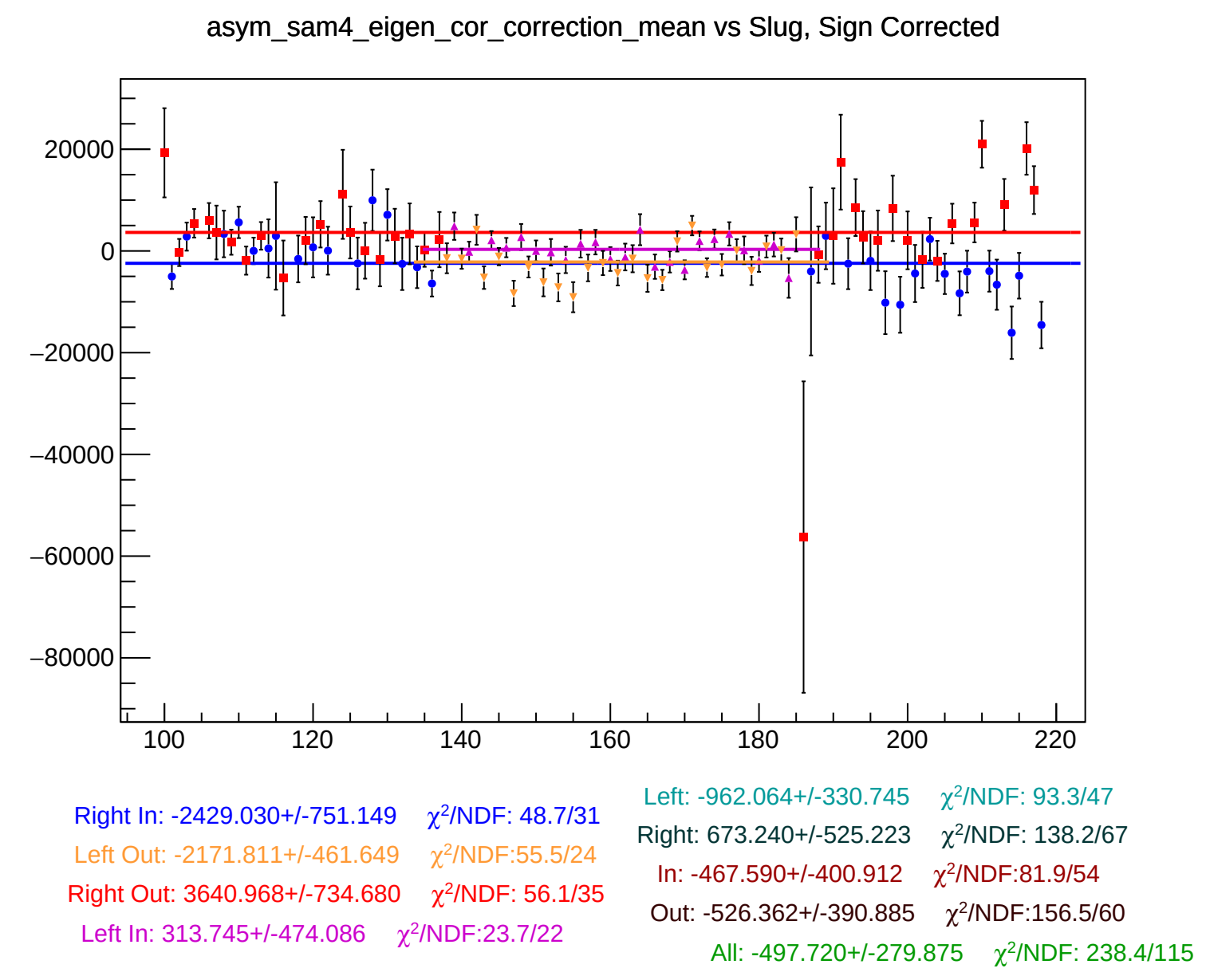
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

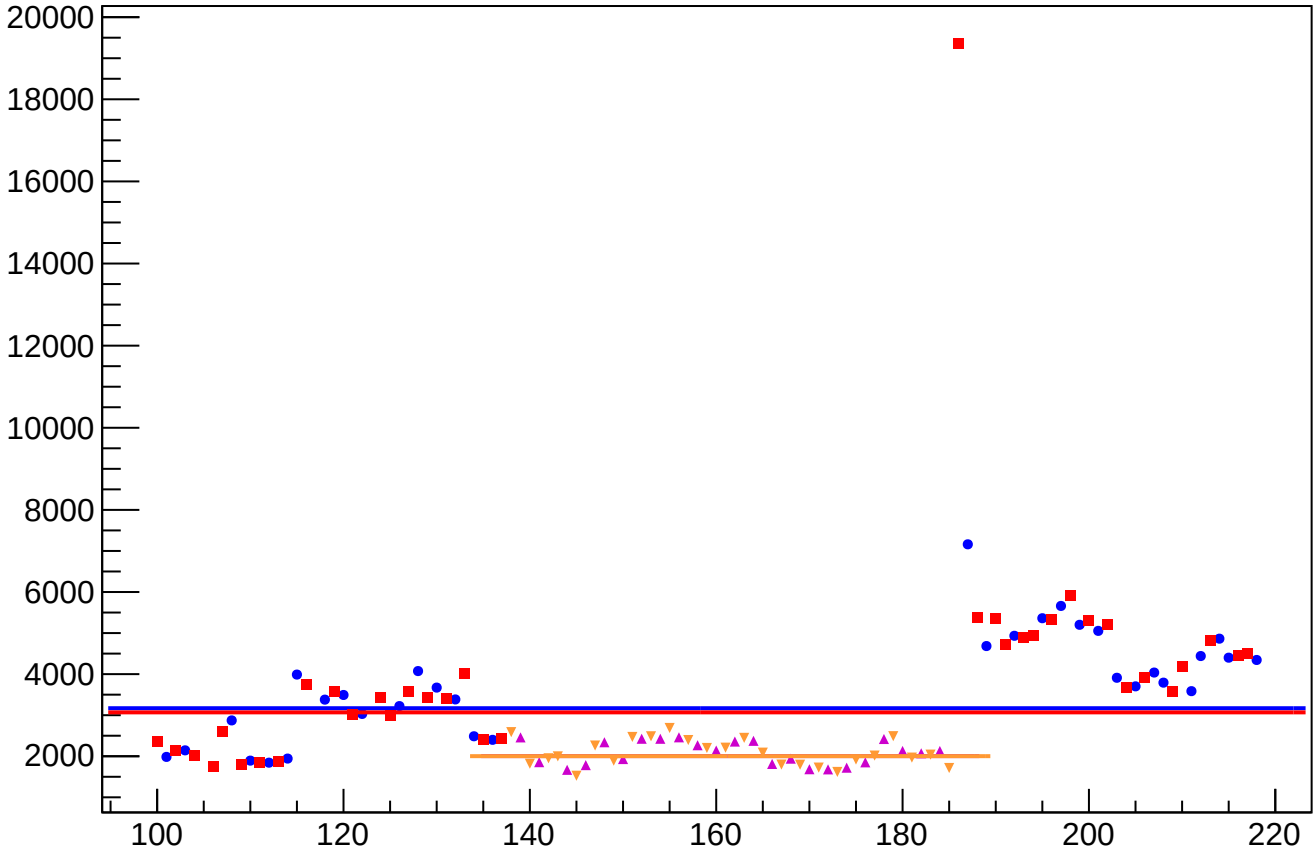
Right: 276.776+/-0.032 χ^2/NDF: 4275192.4/67

In: 269.786+/-0.031 χ^2/NDF:2383767.2/54

Out: 268.540+/-0.031 χ^2/NDF:3389715.8/60

All: 269.152+/-0.022 χ^2/NDF: 5774288.2/115


asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: -2429.030+/-751.149 χ²/NDF: 48.7/31
Left Out: -2171.811+/-461.649 χ²/NDF:55.5/24
Right Out: 3640.968+/-734.680 χ²/NDF: 56.1/35
Left In: 313.745+/-474.086 χ²/NDF:23.7/22
Left: -962.064+/-330.745 χ²/NDF: 93.3/47
Right: 673.240+/-525.223 χ²/NDF: 138.2/67
In: -467.590+/-400.912 χ²/NDF:81.9/54
Out: -526.362+/-390.885 χ²/NDF:156.5/60
All: -497.720+/-279.875 χ²/NDF: 238.4/115



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: 3068.894+/-0.519 χ^2/NDF: 6115699.9/35

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

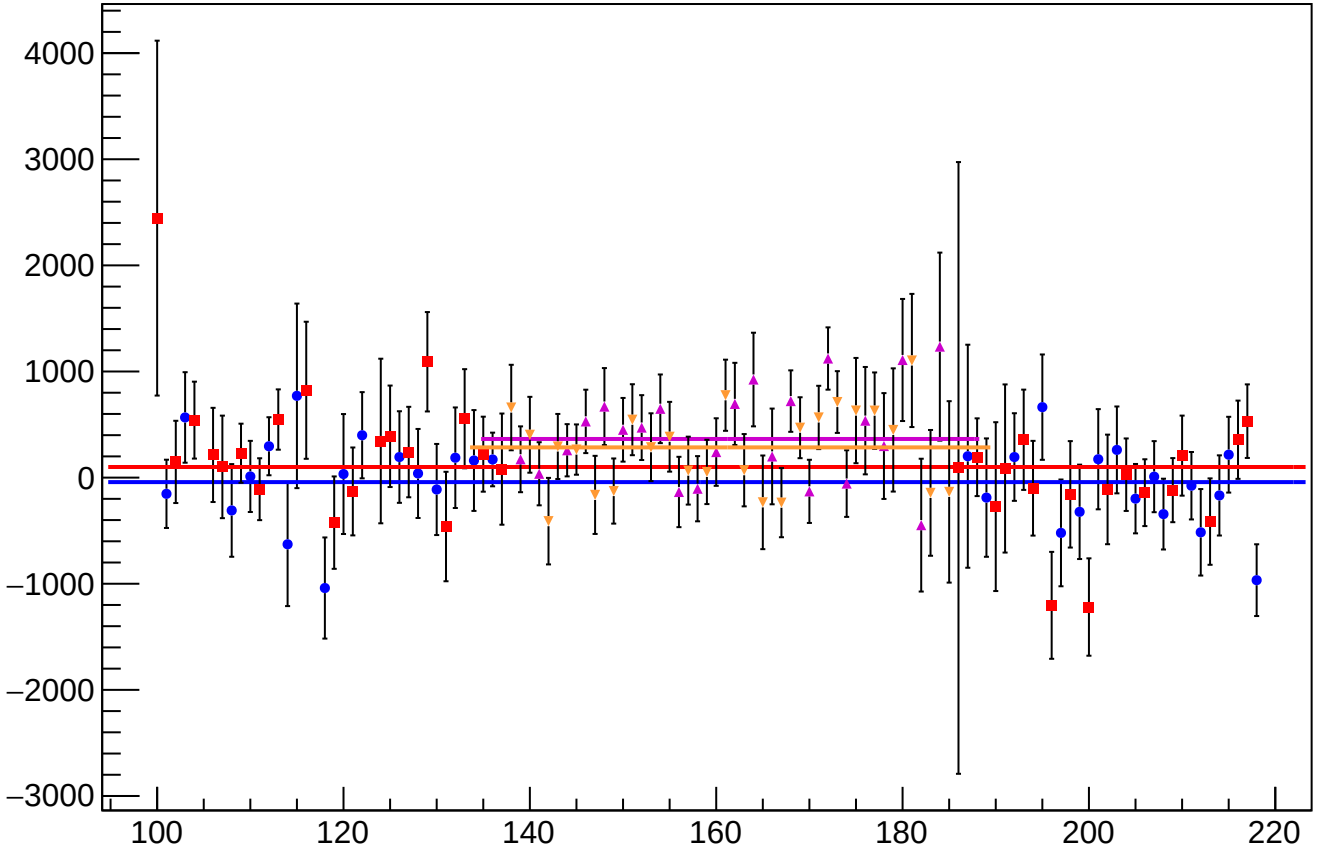
Right: 3118.258+/-0.371 χ^2/NDF: 10627167.4/67

In: 2336.294+/-0.283 χ^2/NDF:8642003.7/54

Out: 2304.175+/-0.276 χ^2/NDF:10030884.3/60

All: 2319.827+/-0.198 χ^2/NDF: 18679468.9/1

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: 100.050+/-69.726 χ^2/NDF: 38.1/35

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

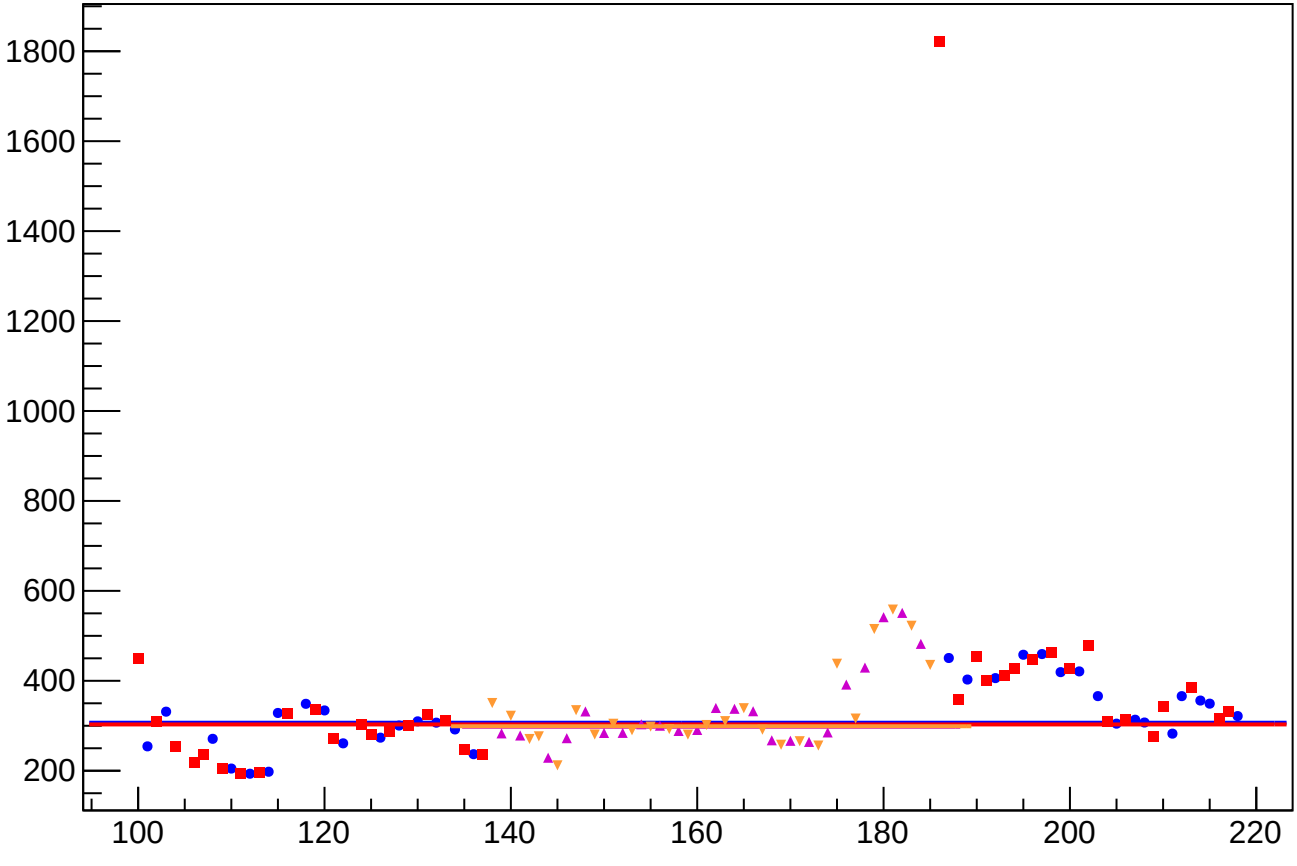
Right: 29.554+/-49.535 χ^2/NDF: 68.3/67

In: 157.139+/-50.232 χ^2/NDF:72.7/54

Out: 192.071+/-49.413 χ^2/NDF:64.4/60

All: 174.892+/-35.226 χ^2/NDF: 137.4/115

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: 302.980+/-0.049 χ^2/NDF: 2951585.6/35

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

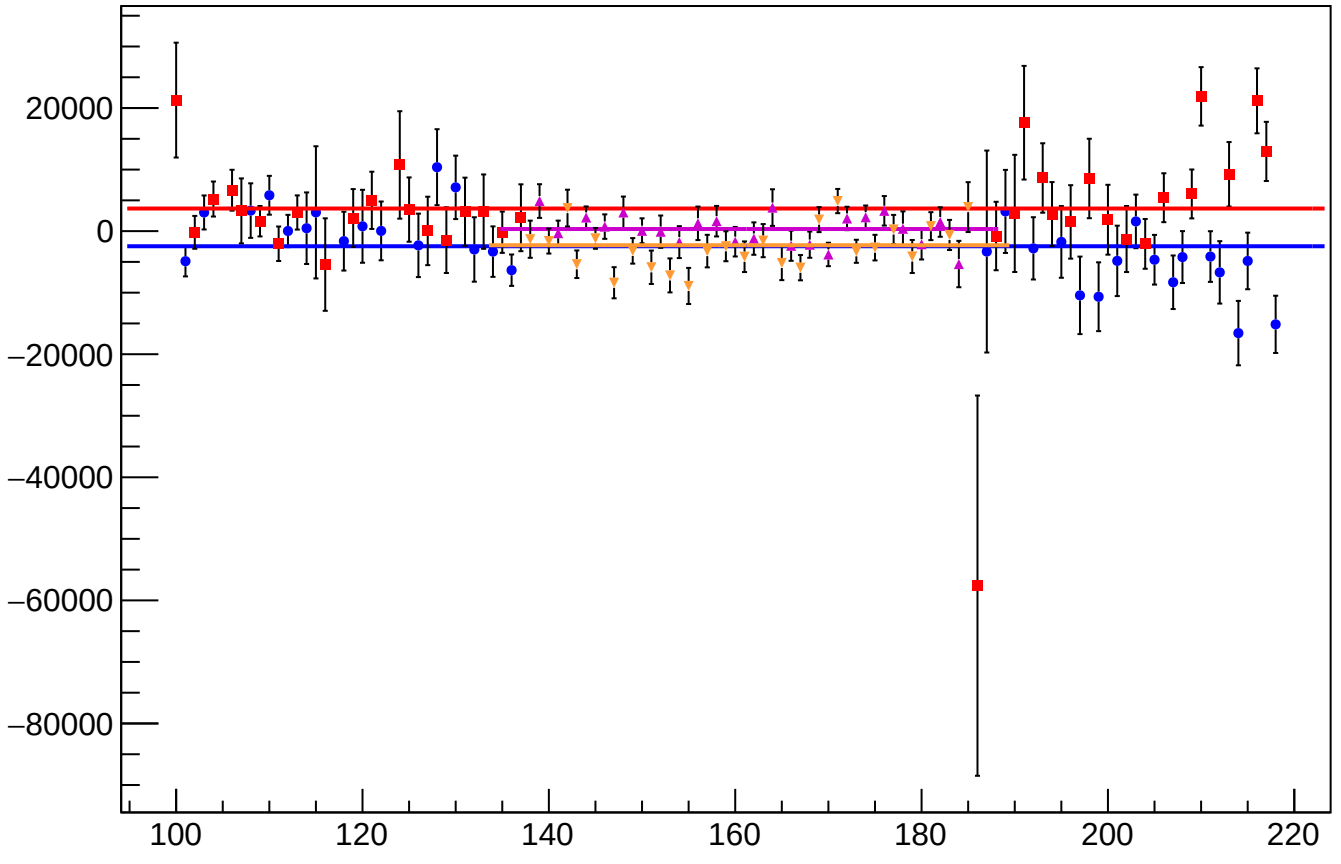
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 304.862+/-0.035 χ^2/NDF: 4830845.6/67

In: 302.416+/-0.036 χ^2/NDF:3211052.6/54

Out: 300.968+/-0.035 χ^2/NDF:4568009.0/60

All: 301.680+/-0.025 χ^2/NDF: 7779906.1/115



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: 3672.484+/-740.849 χ^2/NDF: 59.2/35

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

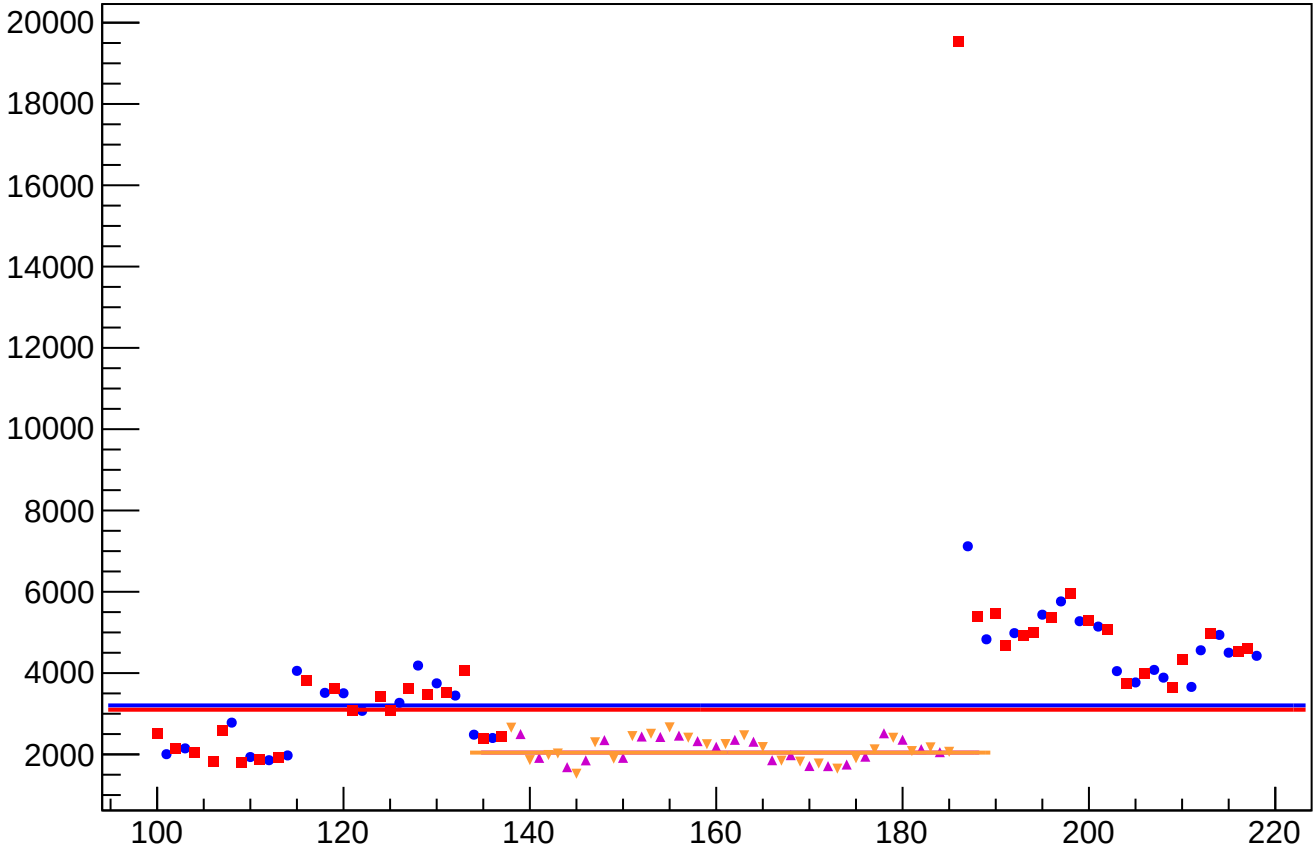
Right: 687.331+/-530.655 χ^2/NDF: 141.9/67

In: -463.837+/-408.077 χ^2/NDF:81.8/54

Out: -576.944+/-397.184 χ^2/NDF:157.1/60

All: -521.920+/-284.624 χ^2/NDF: 238.9/115

asym_sam4_dit_correction_rms vs Slug, Sign Corrected



Right In: 3204.511+/-0.538 χ^2/NDF: 4621275.2/31

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 3098.725+/-0.524 χ^2/NDF: 6137768.4/35

Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

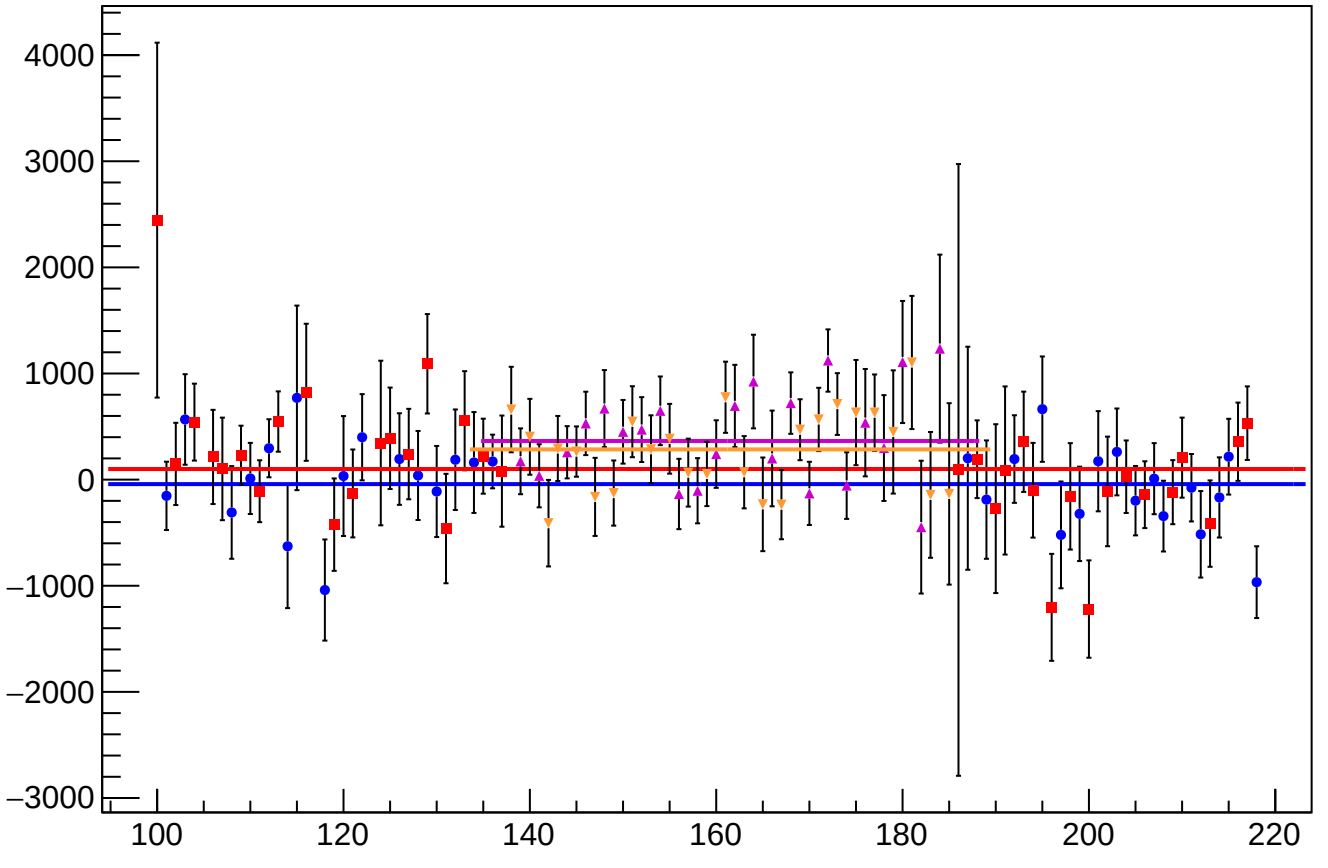
Left: 2044.442+/-0.238 χ^2/NDF: 1543620.1/47

Right: 3150.237+/-0.375 χ^2/NDF: 10778900.1/67

In: 2379.024+/-0.289 χ^2/NDF:8621304.9/54

Out: 2346.972+/-0.281 χ^2/NDF:9881107.0/60

All: 2362.565+/-0.201 χ^2/NDF: 18508748.0/1



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: 100.046+/-69.726 χ^2/NDF: 38.1/35

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

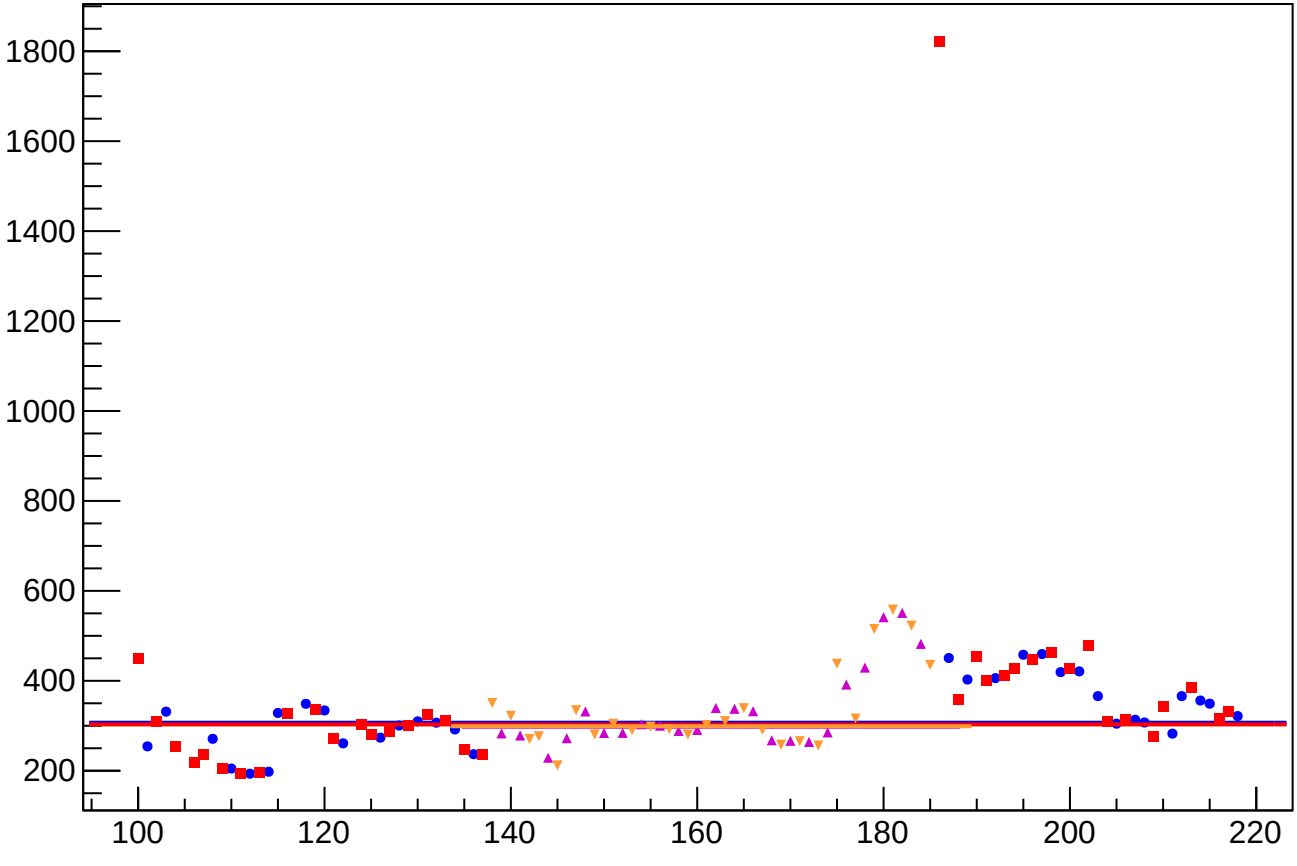
Right: 29.555+/-49.535 χ^2/NDF: 68.3/67

In: 157.142+/-50.232 χ^2/NDF:72.7/54

Out: 192.071+/-49.413 χ^2/NDF:64.4/60

All: 174.894+/-35.226 χ^2/NDF: 137.4/115

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: 302.980+/-0.049 χ^2/NDF: 2951587.3/35

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

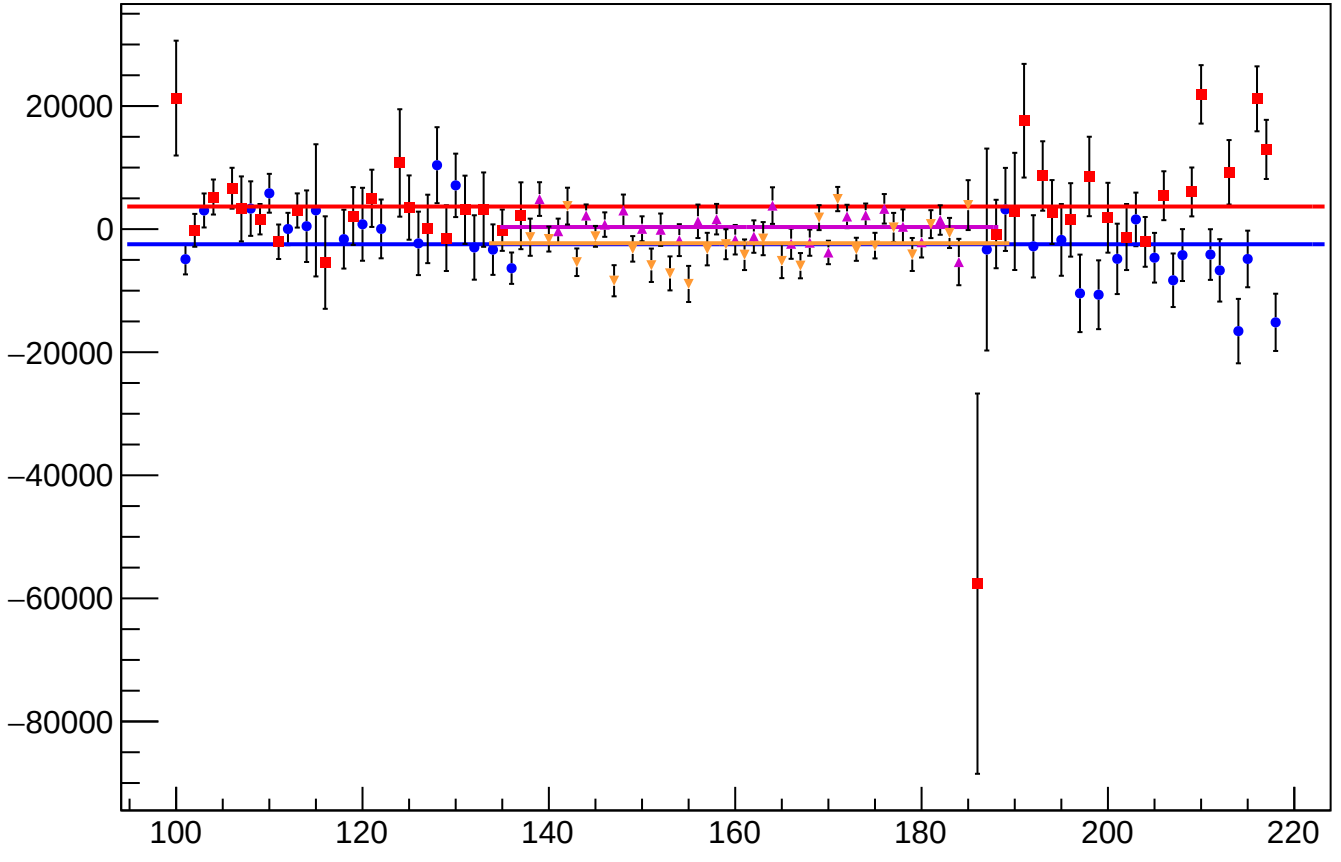
Right: 304.862+/-0.035 χ^2/NDF: 4830827.0/67

In: 302.416+/-0.036 χ^2/NDF:3211012.7/54

Out: 300.968+/-0.035 χ^2/NDF:4568007.4/60

All: 301.680+/-0.025 χ^2/NDF: 7779864.6/115

asym_sam4_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 3672.479+/-740.848 χ^2/NDF: 59.2/35

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

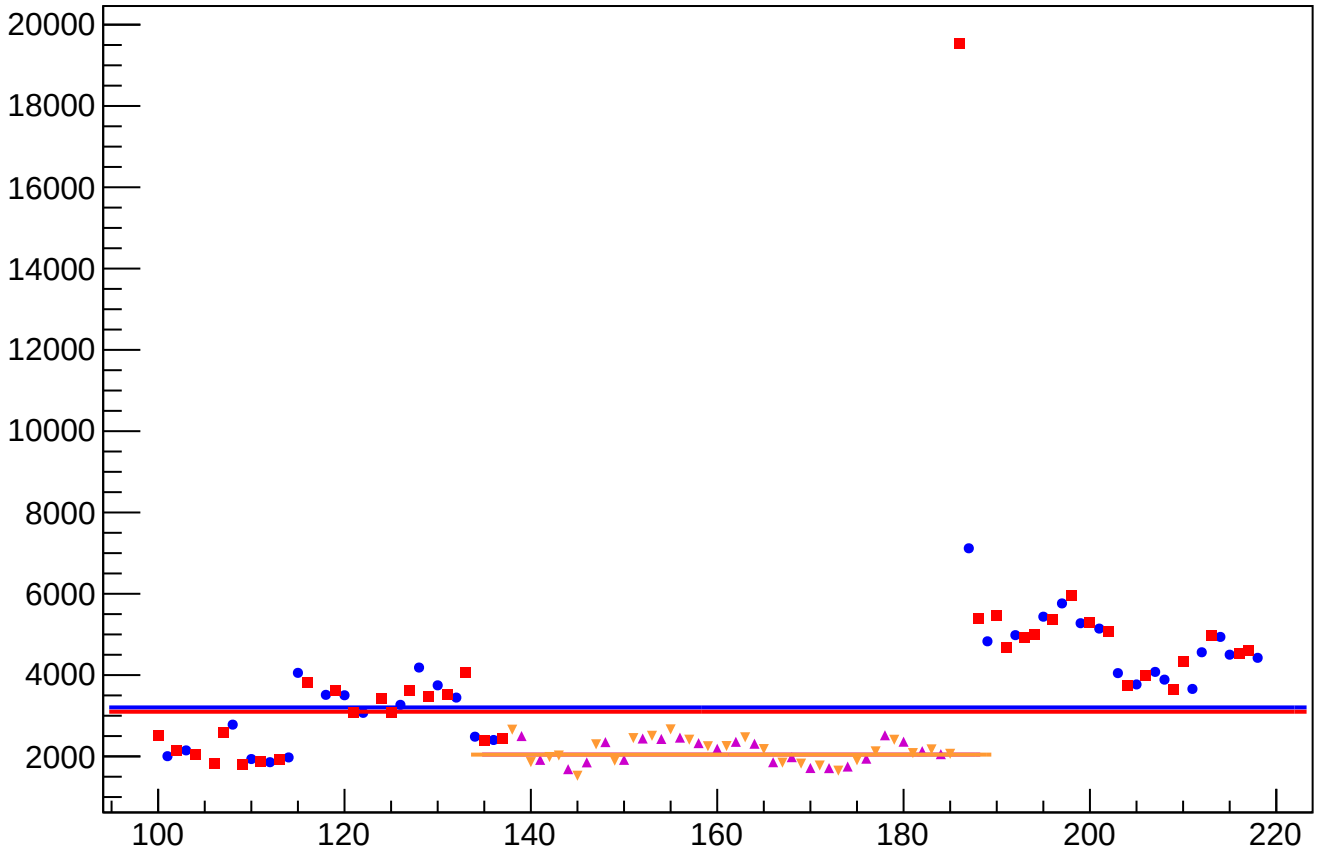
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 687.329+/-530.654 χ^2/NDF: 141.9/67

In: -463.837+/-408.076 χ^2/NDF:81.8/54

Out: -576.943+/-397.183 χ^2/NDF:157.1/60

All: -521.920+/-284.624 χ^2/NDF: 238.9/115



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: 3098.723+/-0.524 χ^2/NDF: 6137765.2/35

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

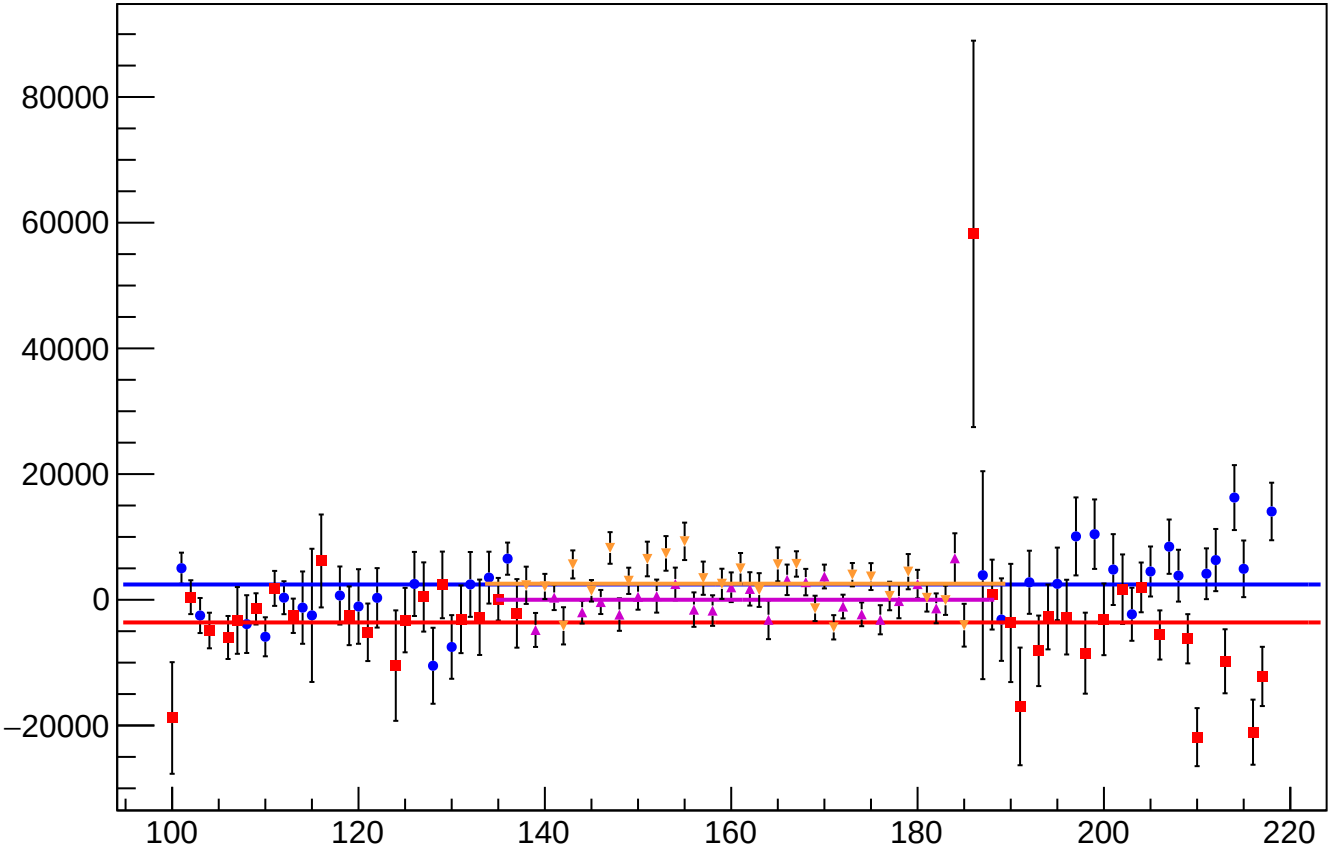
Right: 3150.235+/-0.375 χ^2/NDF: 10778893.8/67

In: 2379.022+/-0.289 χ^2/NDF:8621310.2/54

Out: 2346.969+/-0.281 χ^2/NDF:9881116.7/60

All: 2362.562+/-0.201 χ^2/NDF: 18508763.1/1

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: -3606.893+/-737.430 χ^2/NDF: 59.6/35

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

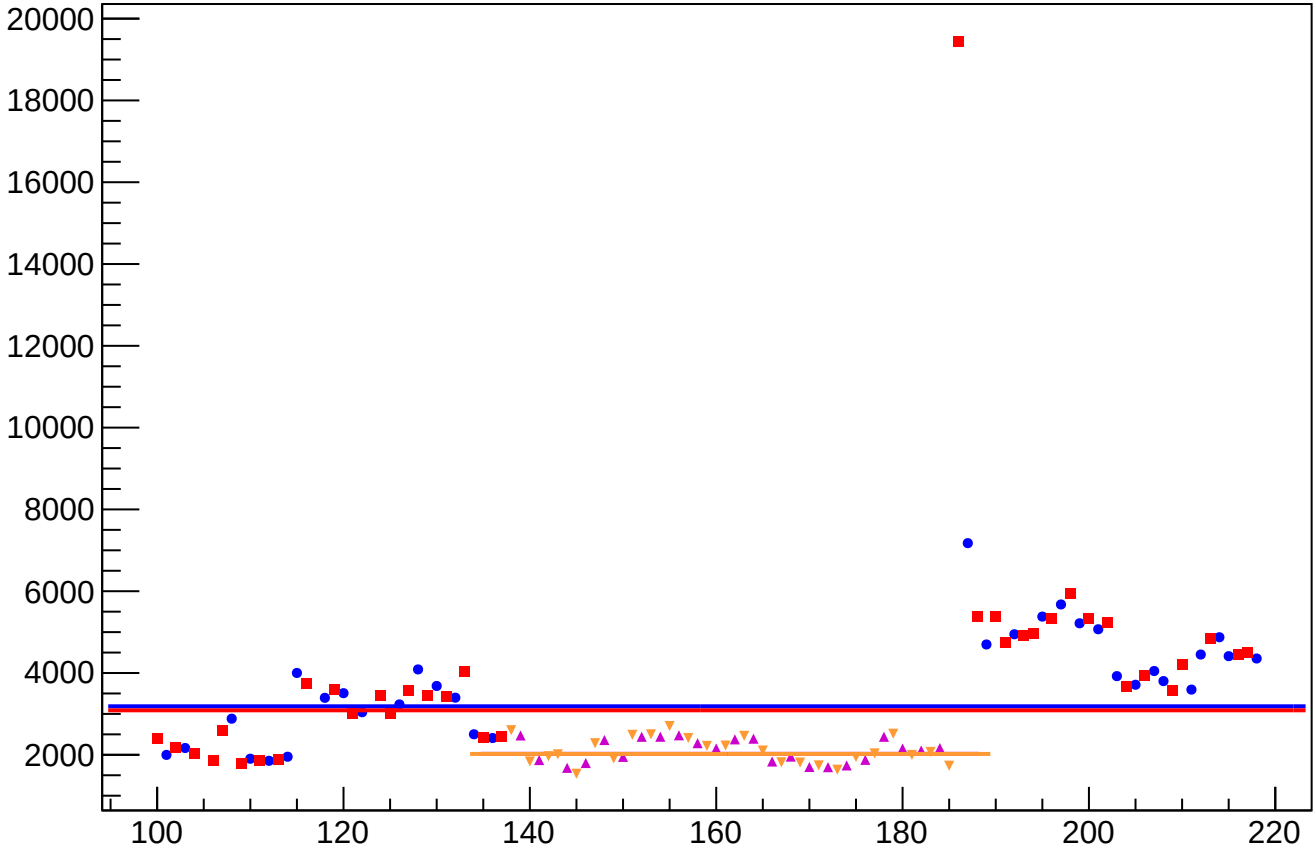
Right: -655.668+/-527.383 χ^2/NDF: 141.5/67

In: 700.628+/-404.101 χ^2/NDF:81.2/54

Out: 799.765+/-393.903 χ^2/NDF:162.2/60

All: 751.463+/-282.068 χ^2/NDF: 243.5/115

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: 3087.930+/-0.521 χ^2/NDF: 6034999.8/35

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

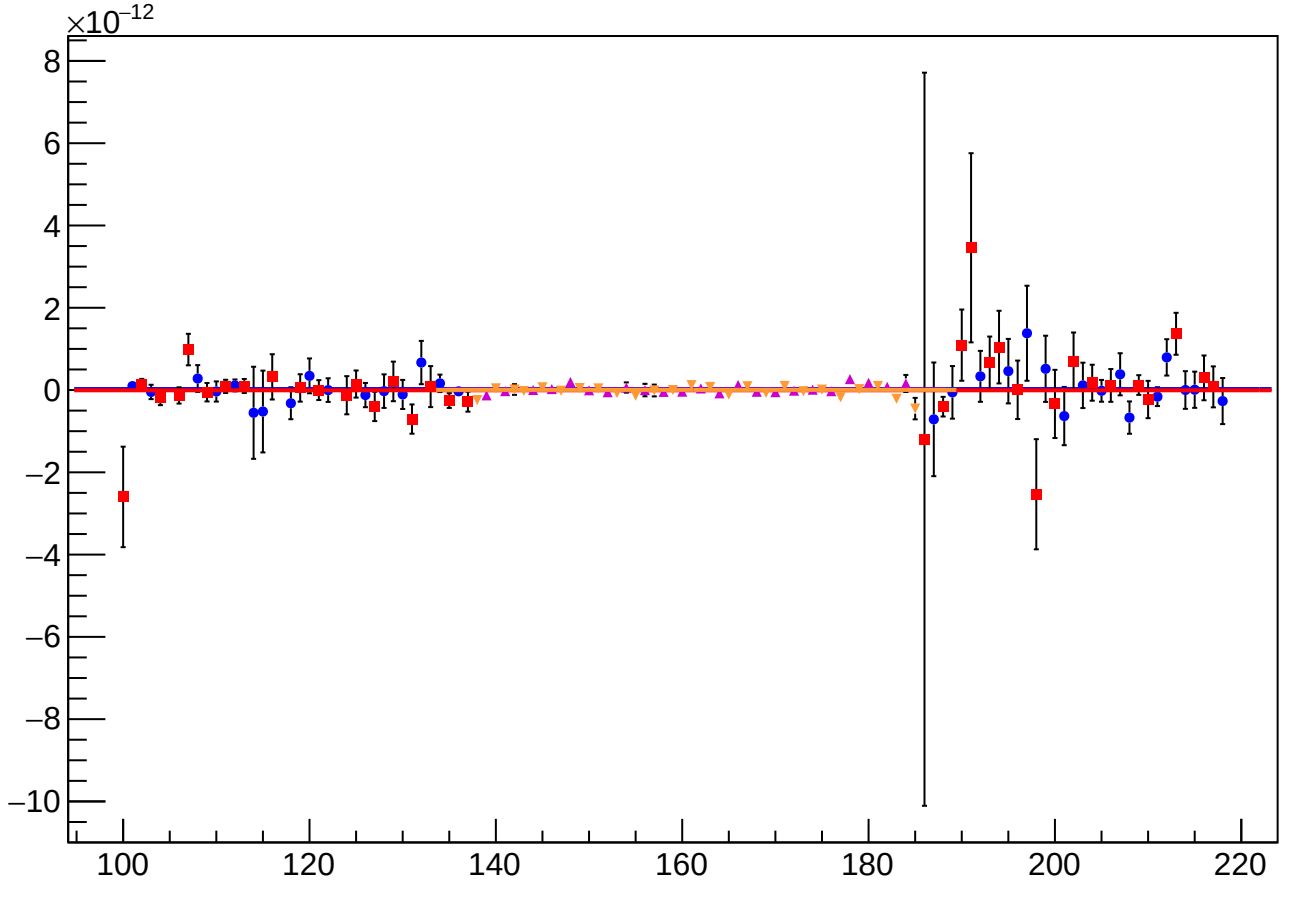
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 3135.806+/-0.373 χ^2/NDF: 10505783.1/67

In: 2356.769+/-0.286 χ^2/NDF:8536187.5/54

Out: 2325.609+/-0.279 χ^2/NDF:9906938.1/60

All: 2340.791+/-0.199 χ^2/NDF: 18449223.1/



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: 45.7/35

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

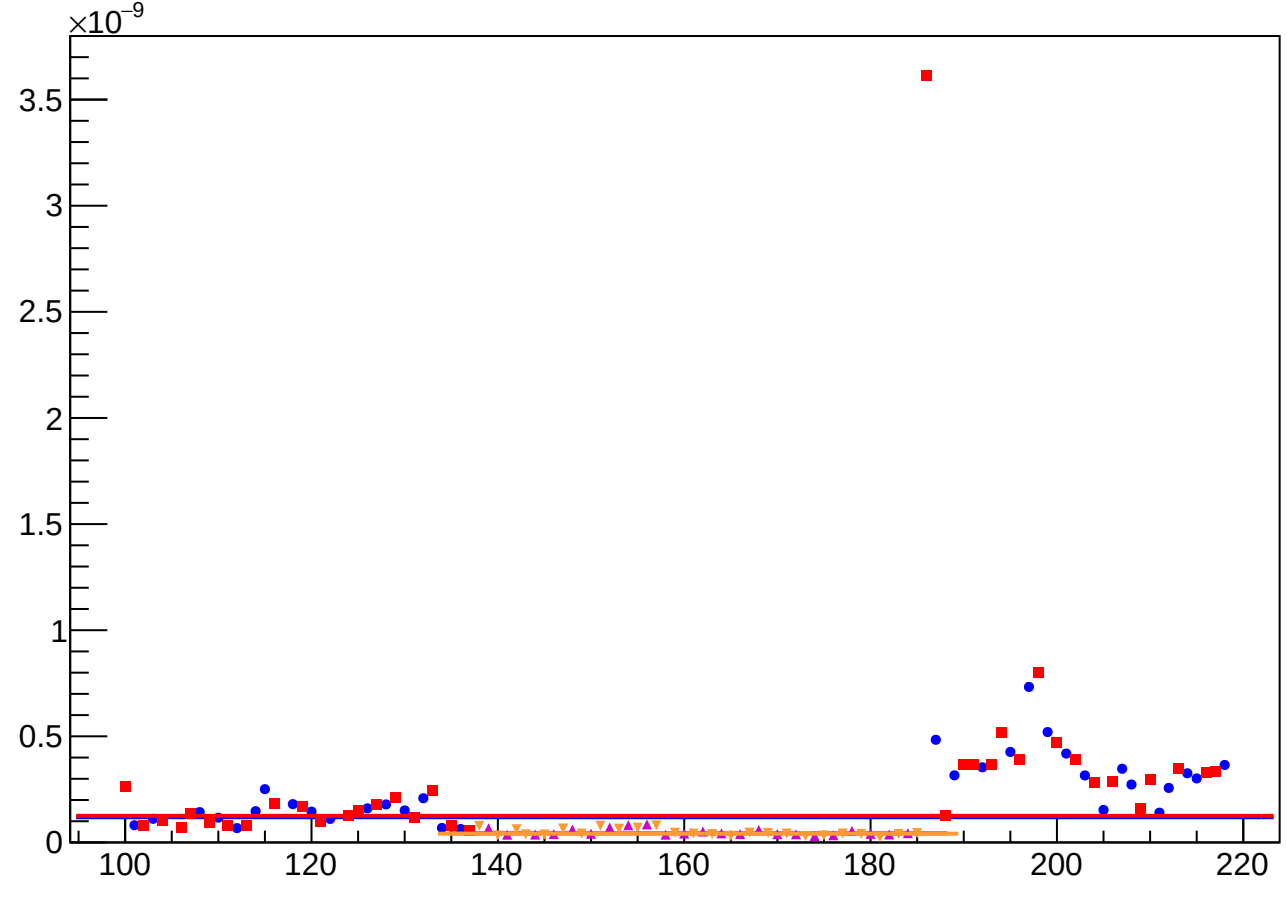
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 63.1/67

In: 0.000+/-0.000 χ^2/NDF:38.1/54

Out: 0.000+/-0.000 χ^2/NDF:77.8/60

All: 0.000+/-0.000 χ^2/NDF: 116.1/115



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: 5914479.7/35

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

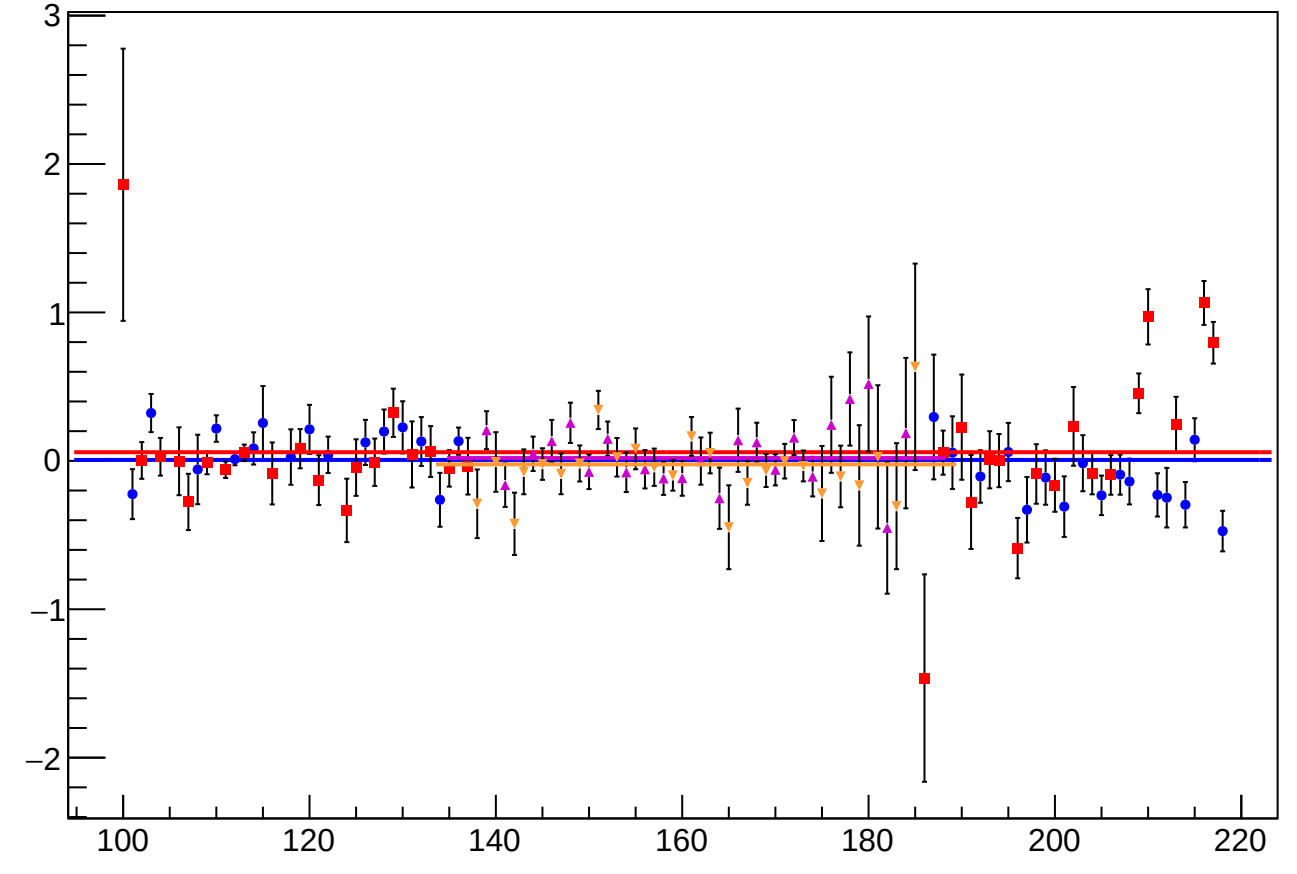
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 12137860.2/67

In: 0.000+/-0.000 χ^2/NDF:11632599.8/54

Out: 0.000+/-0.000 χ^2/NDF:12229454.3/60

All: 0.000+/-0.000 χ^2/NDF: 23889644.3/115



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: 0.058+/-0.023 χ^2/NDF: 150.9/35

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

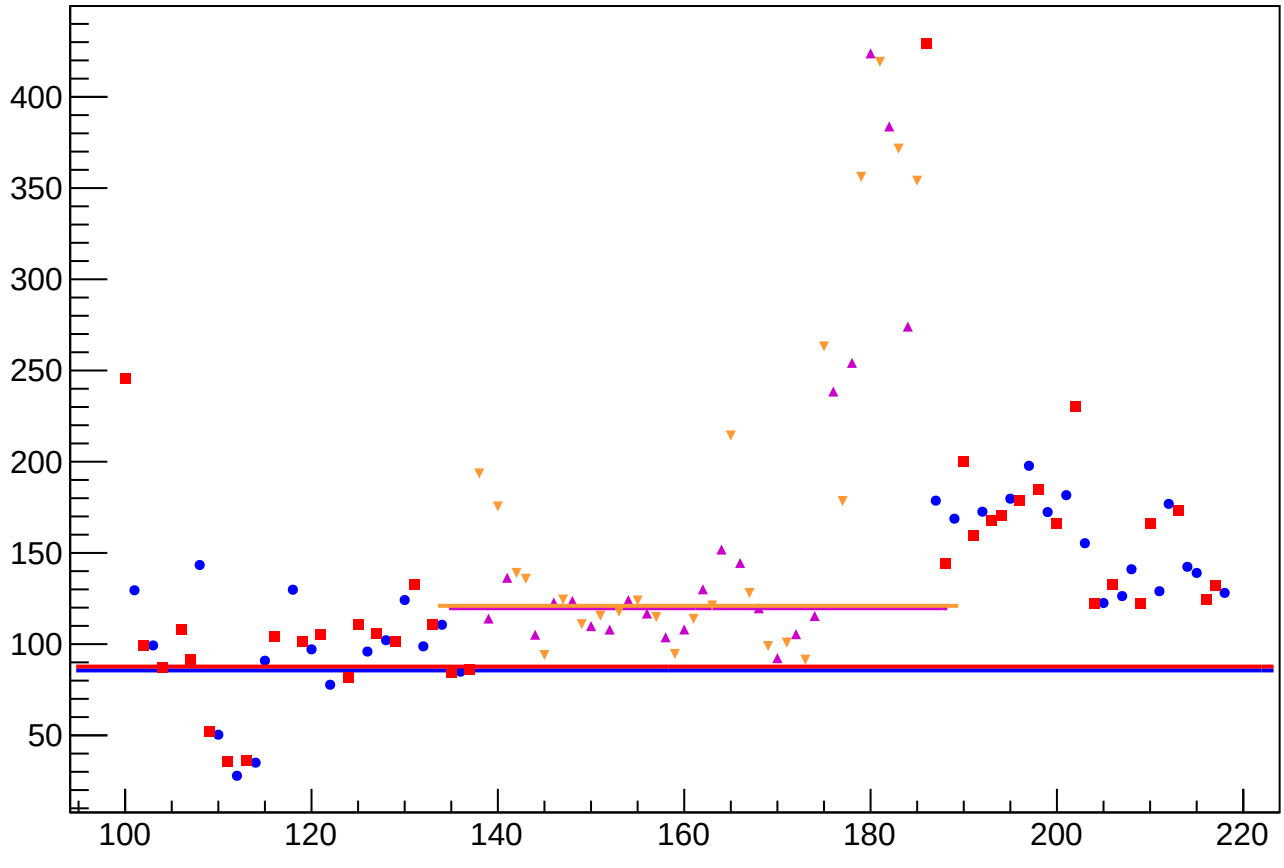
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.032+/-0.016 χ^2/NDF: 210.8/67

In: 0.011+/-0.018 χ^2/NDF:80.4/54

Out: 0.028+/-0.018 χ^2/NDF:177.8/60

All: 0.019+/-0.013 χ^2/NDF: 258.7/115



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: 87.685+/-0.016 χ^2/NDF: 9525187.2/35

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

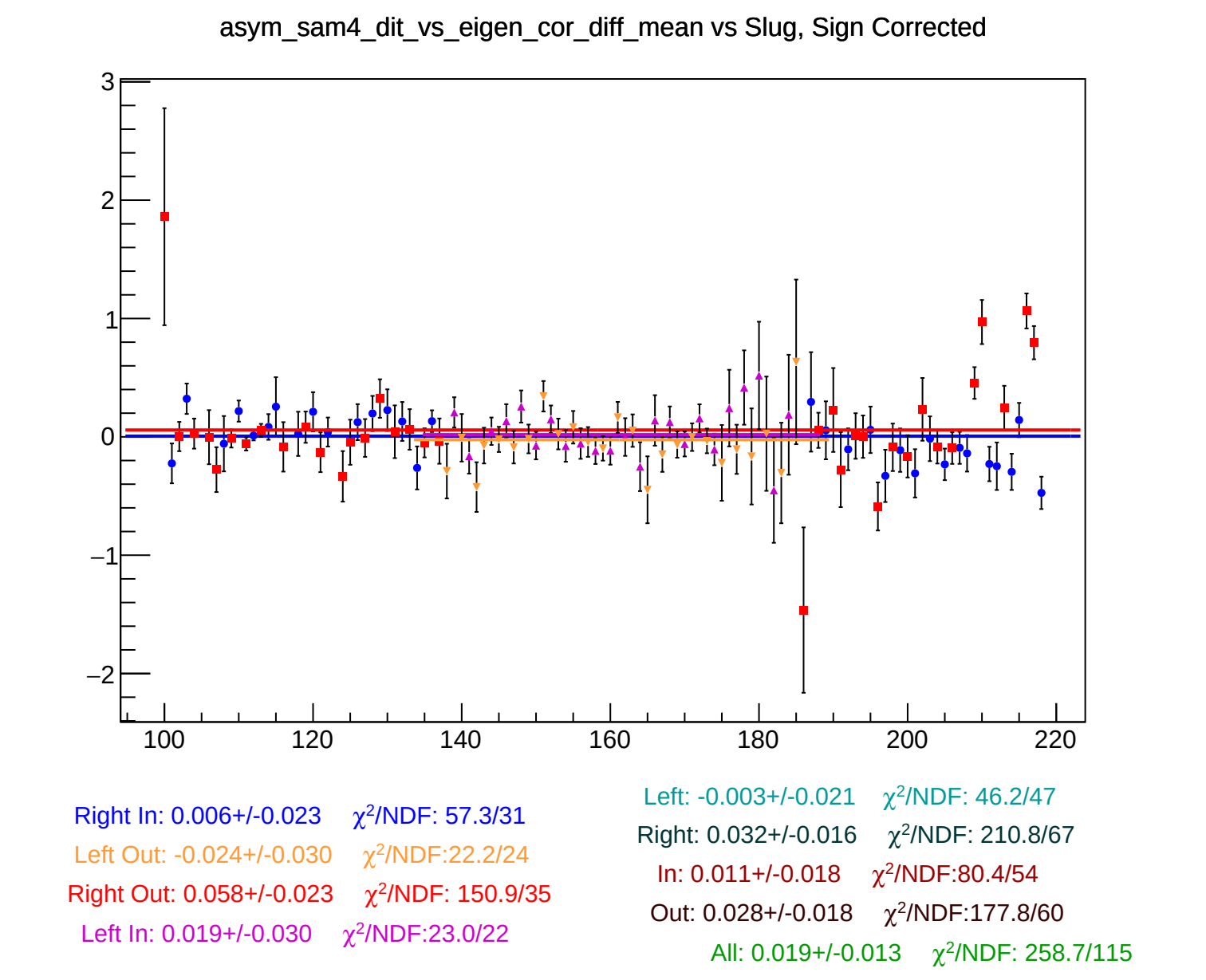
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

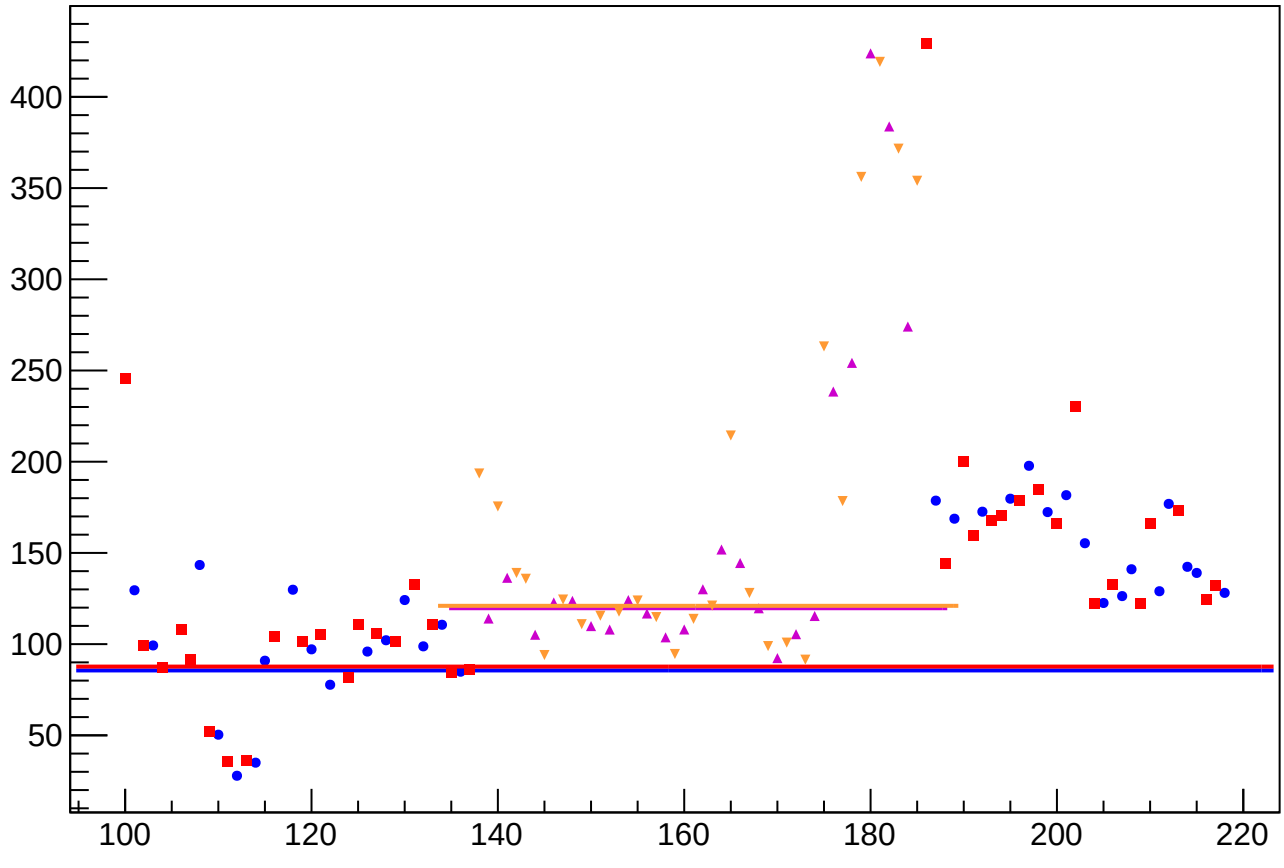
Right: 86.630+/-0.011 χ^2/NDF: 19692042.6/67

In: 97.950+/-0.013 χ^2/NDF:14618894.4/54

Out: 99.937+/-0.013 χ^2/NDF:15189844.4/60

All: 98.947+/-0.009 χ^2/NDF: 29820698.8/115


asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.006+/-0.023 χ²/NDF: 57.3/31
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: 0.058+/-0.023 χ²/NDF: 150.9/35
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.032+/-0.016 χ²/NDF: 210.8/67
In: 0.011+/-0.018 χ²/NDF:80.4/54
Out: 0.028+/-0.018 χ²/NDF:177.8/60
All: 0.019+/-0.013 χ²/NDF: 258.7/115



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: 87.685+/-0.016 χ^2/NDF: 9525187.2/35

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

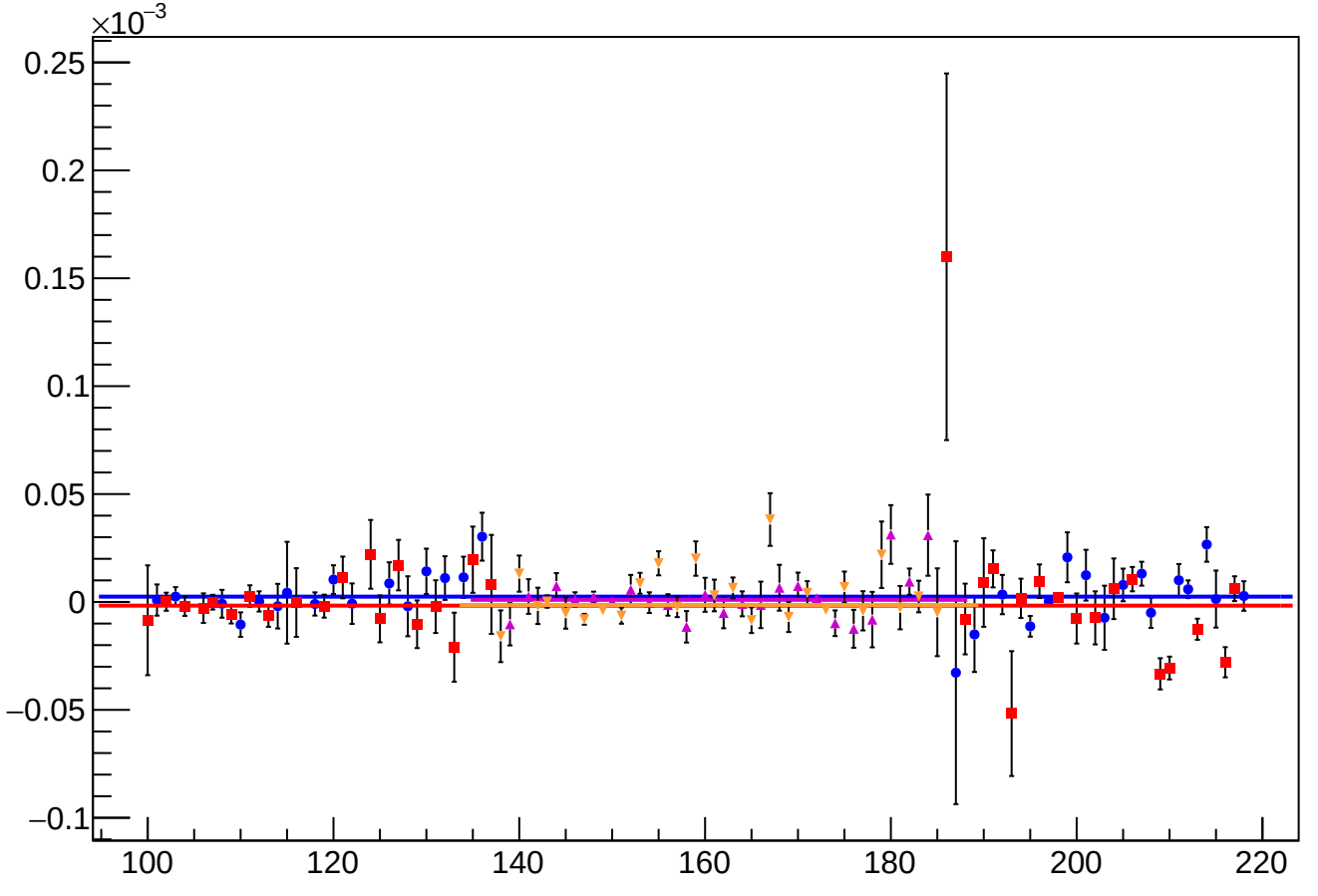
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 86.630+/-0.011 χ^2/NDF: 19692042.6/67

In: 97.950+/-0.013 χ^2/NDF:14618894.4/54

Out: 99.937+/-0.013 χ^2/NDF:15189844.4/60

All: 98.947+/-0.009 χ^2/NDF: 29820698.8/115



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: 108.5/35

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

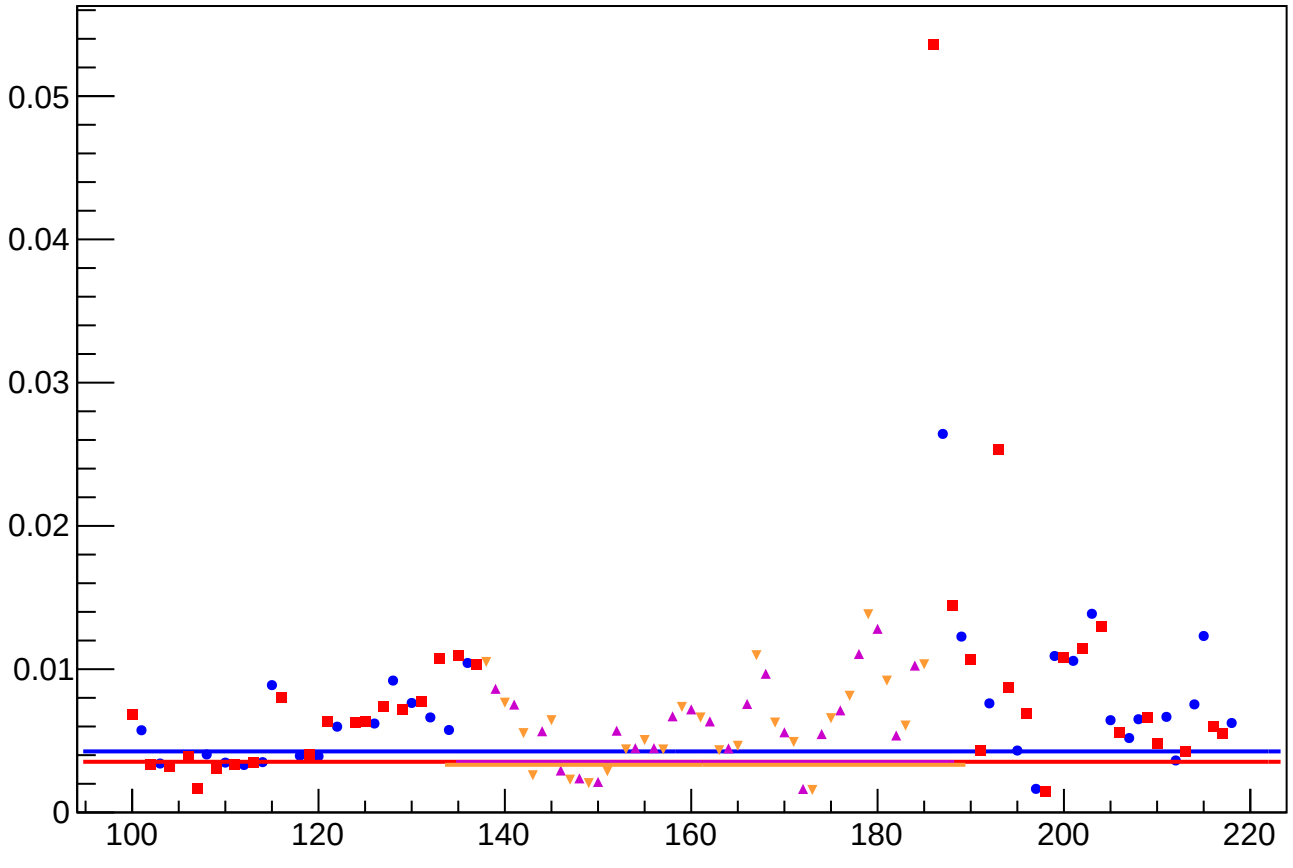
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 164.1/67

In: 0.000+/-0.000 χ^2/NDF:73.2/54

Out: -0.000+/-0.000 χ^2/NDF:169.0/60

All: -0.000+/-0.000 χ^2/NDF: 252.5/115



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: 13803288.6/35

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

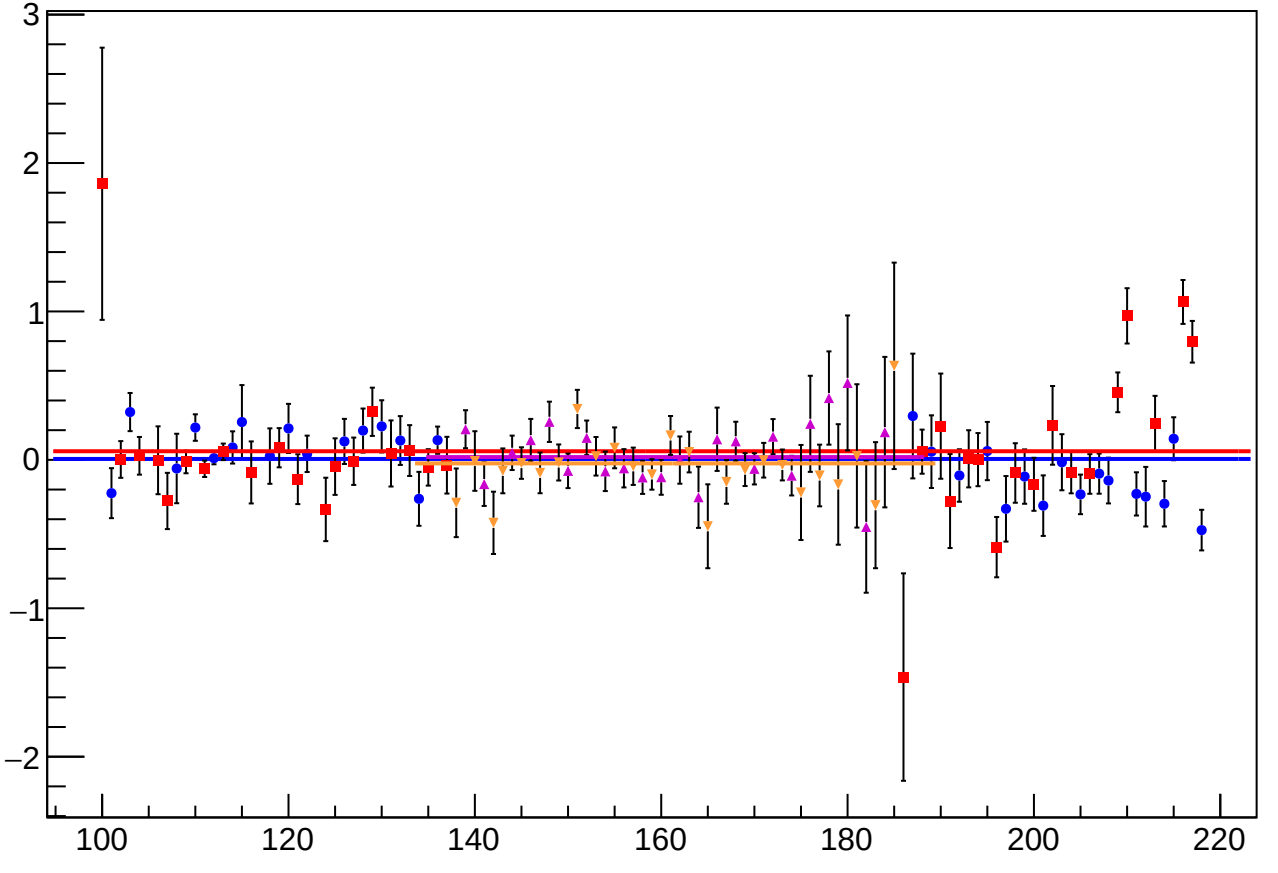
Right: 0.004+/-0.000 χ^2/NDF: 23901066.0/67

In: 0.004+/-0.000 χ^2/NDF:19538807.1/54

Out: 0.003+/-0.000 χ^2/NDF:24339044.9/60

All: 0.004+/-0.000 χ^2/NDF: 44232315.2/115

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: 0.058+/-0.023 χ^2/NDF: 150.9/35

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

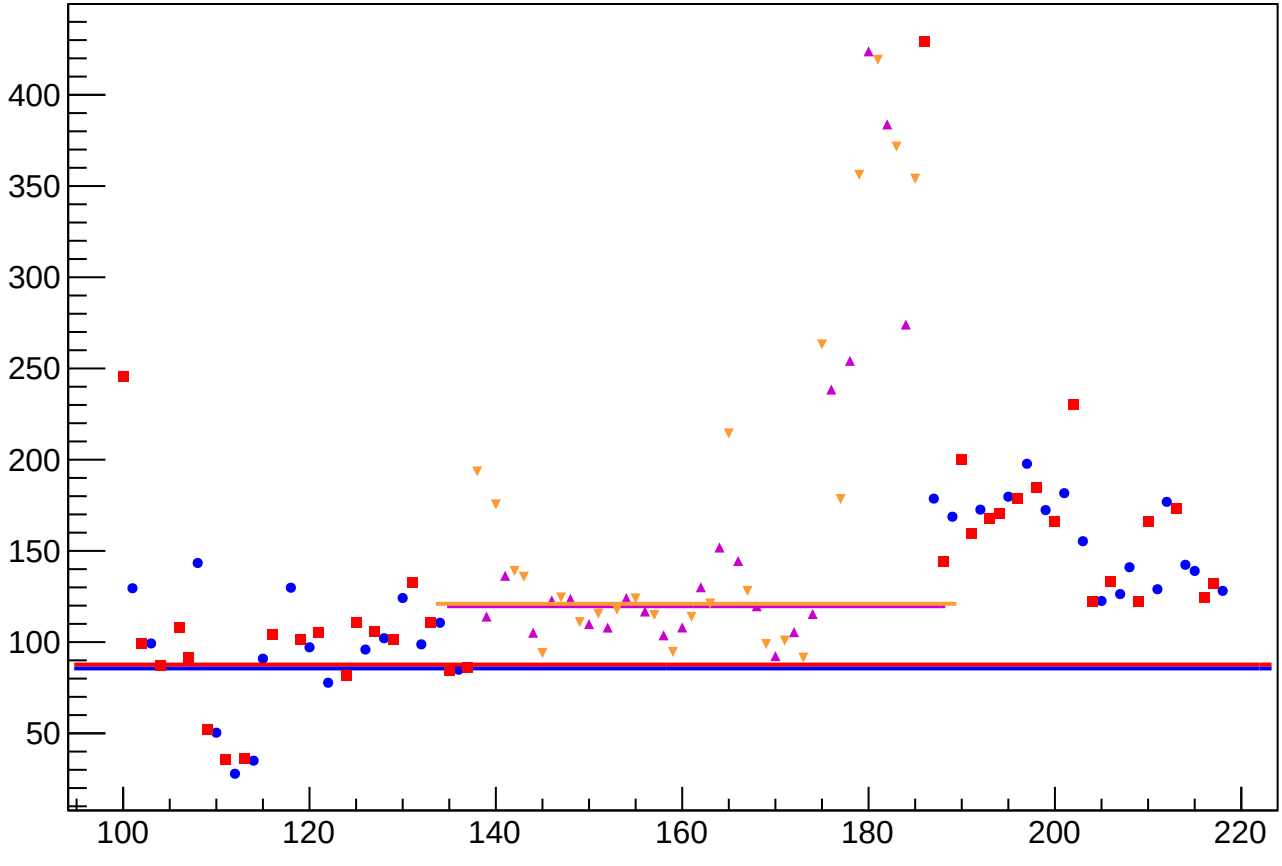
Right: 0.032+/-0.016 χ^2/NDF: 210.8/67

In: 0.011+/-0.018 χ^2/NDF:80.4/54

Out: 0.028+/-0.018 χ^2/NDF:177.8/60

All: 0.019+/-0.013 χ^2/NDF: 258.7/115

asym_sam4_eigen_dit_vs_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: 87.683+/-0.016 χ^2/NDF: 9525745.8/35

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

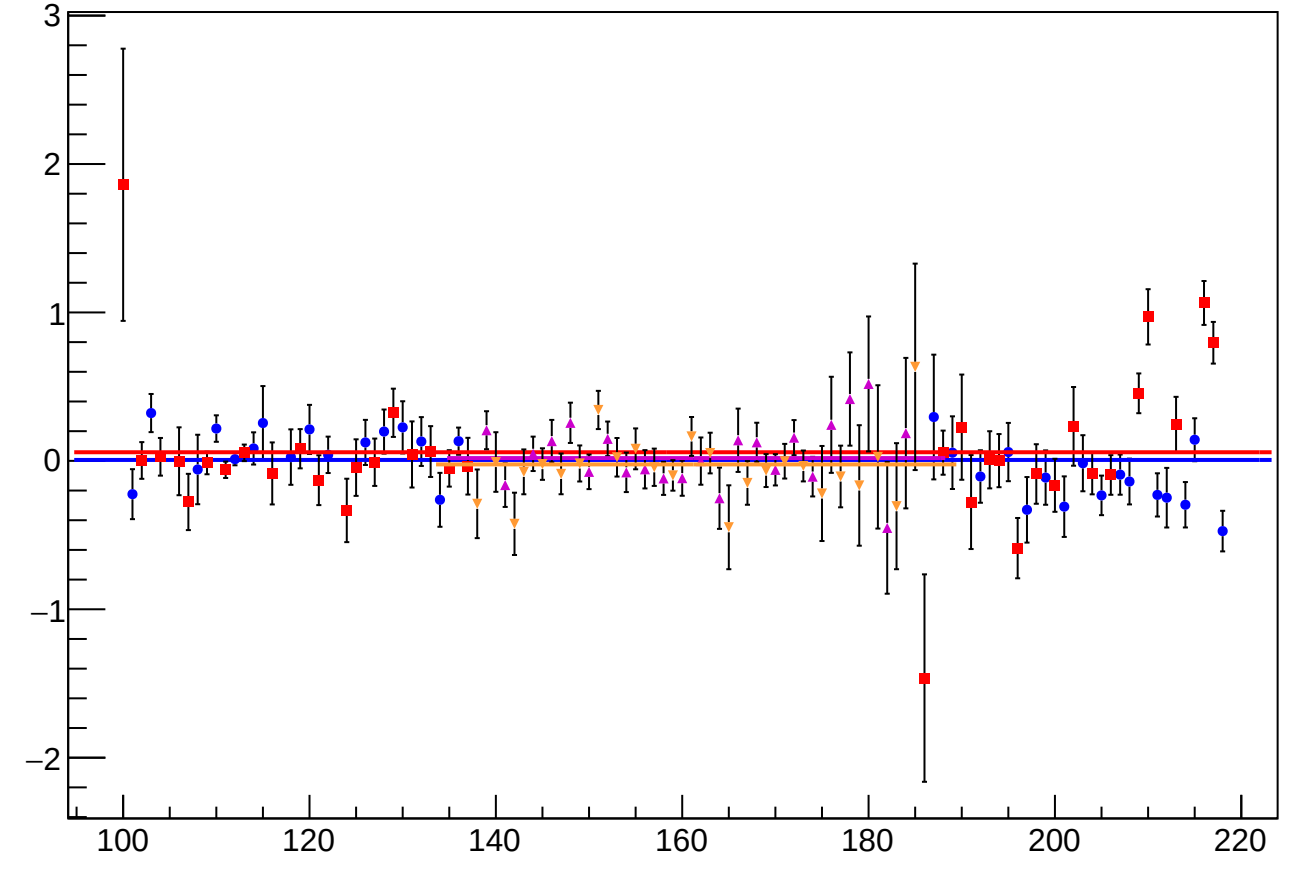
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 86.628+/-0.011 χ^2/NDF: 19693148.9/67

In: 97.948+/-0.013 χ^2/NDF:14619686.4/54

Out: 99.936+/-0.013 χ^2/NDF:15190616.0/60

All: 98.946+/-0.009 χ^2/NDF: 29822266.7/115



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: 0.058+/-0.023 χ^2/NDF: 150.9/35

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

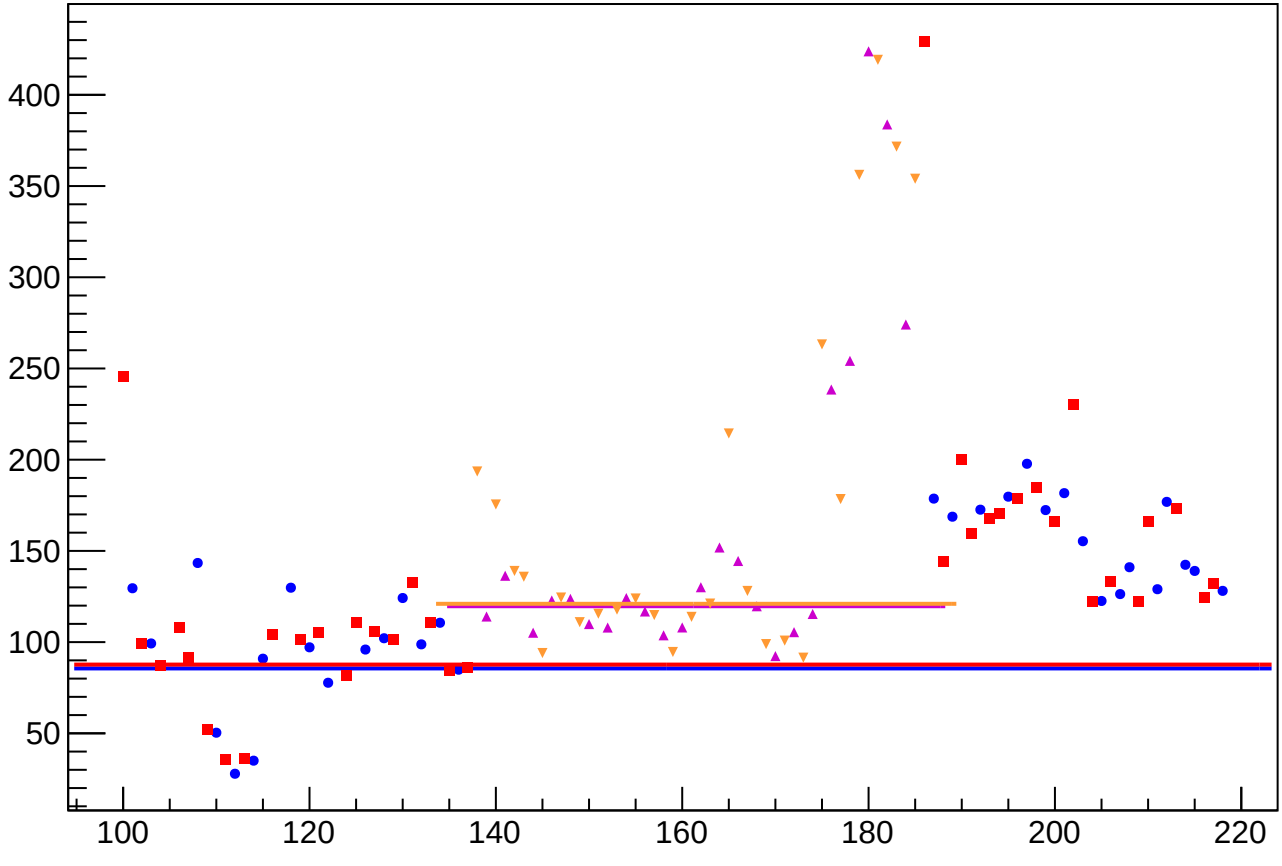
Right: 0.032+/-0.016 χ^2/NDF: 210.8/67

In: 0.011+/-0.018 χ^2/NDF:80.4/54

Out: 0.028+/-0.018 χ^2/NDF:177.8/60

All: 0.019+/-0.013 χ^2/NDF: 258.7/115

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: 87.683+/-0.016 χ^2/NDF: 9525745.8/35

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

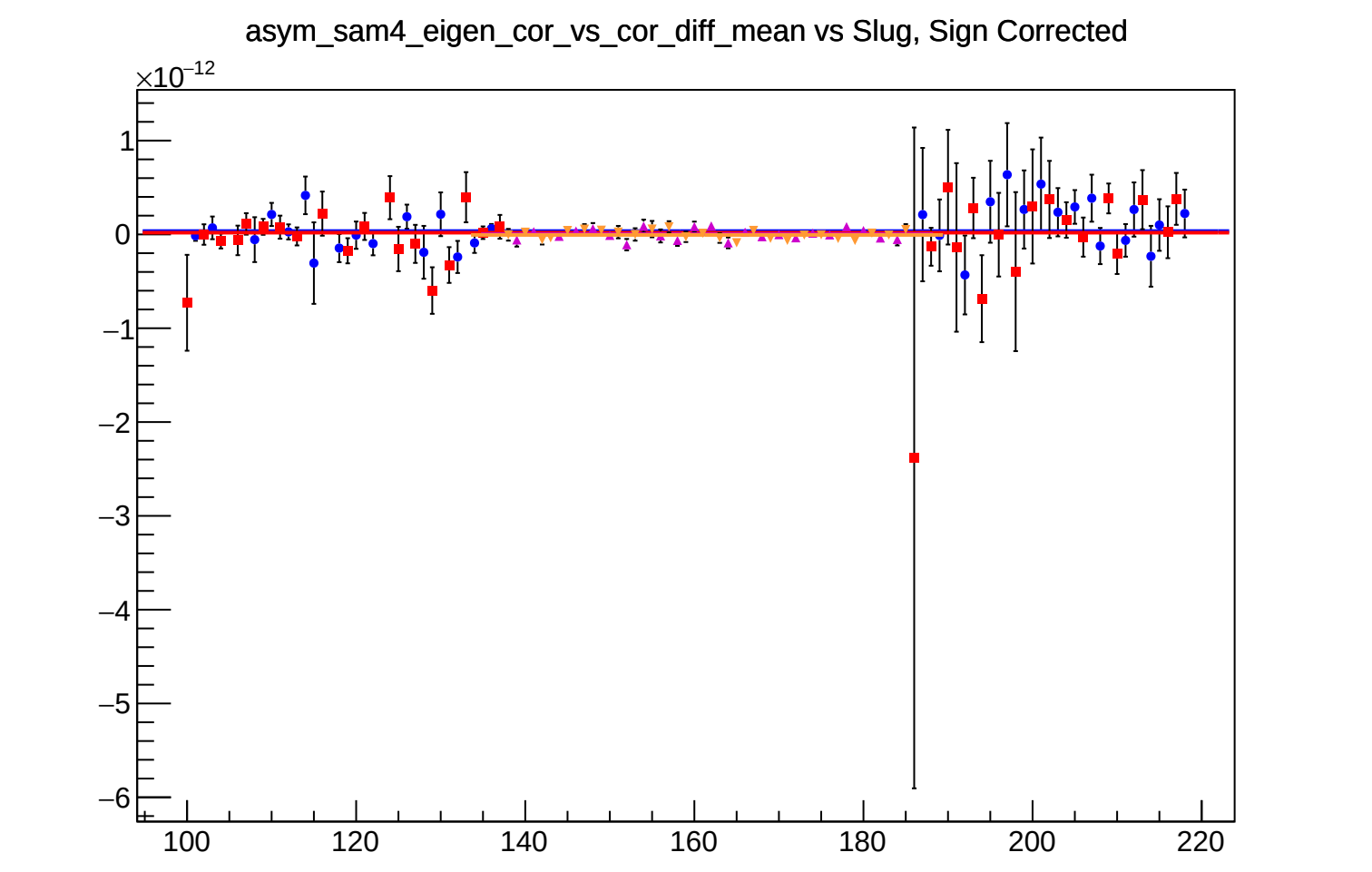
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 86.628+/-0.011 χ^2/NDF: 19693148.9/67

In: 97.948+/-0.013 χ^2/NDF:14619686.4/54

Out: 99.936+/-0.013 χ^2/NDF:15190616.0/60

All: 98.946+/-0.009 χ^2/NDF: 29822266.7/115



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: 39.2/35

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

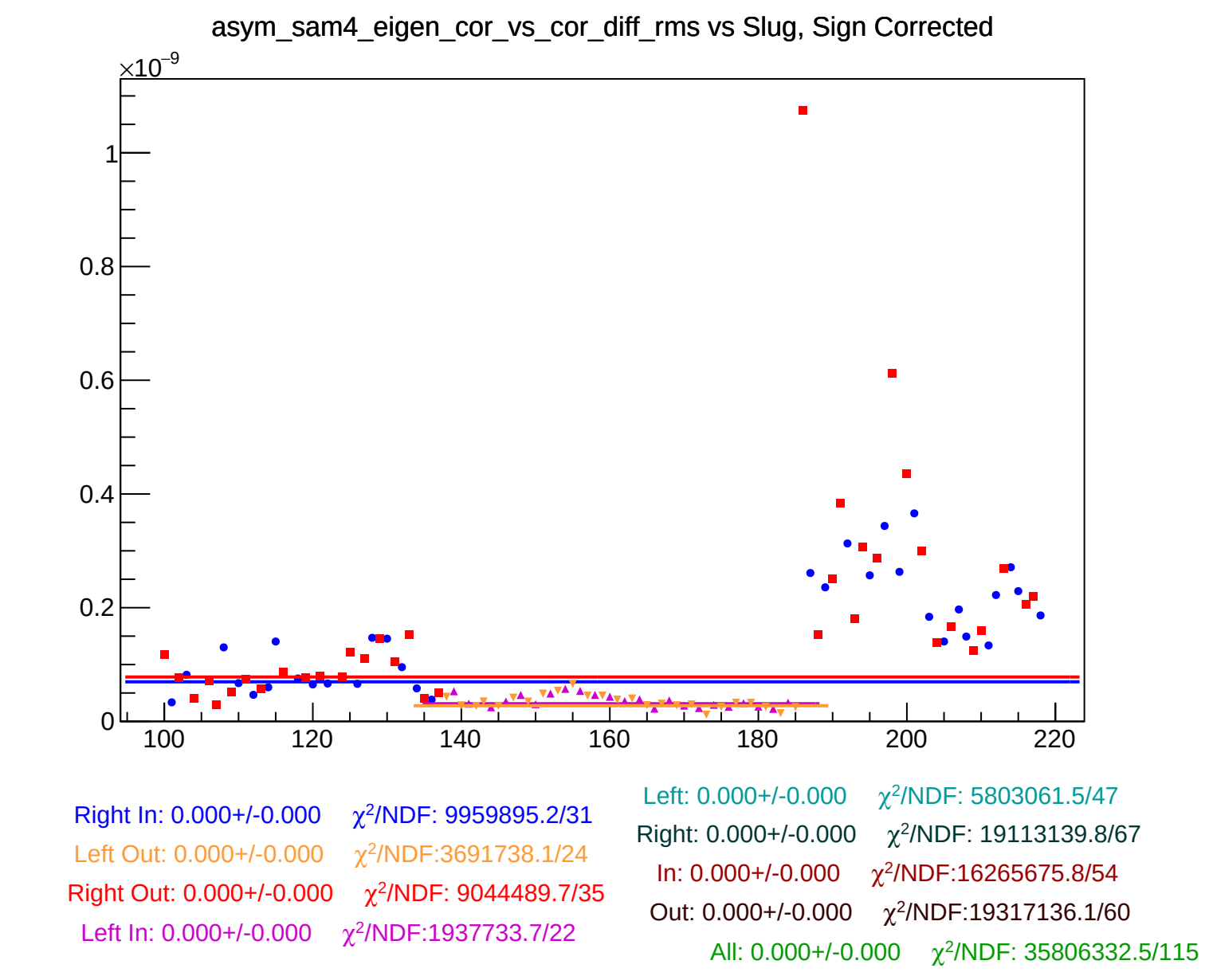
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 68.3/67

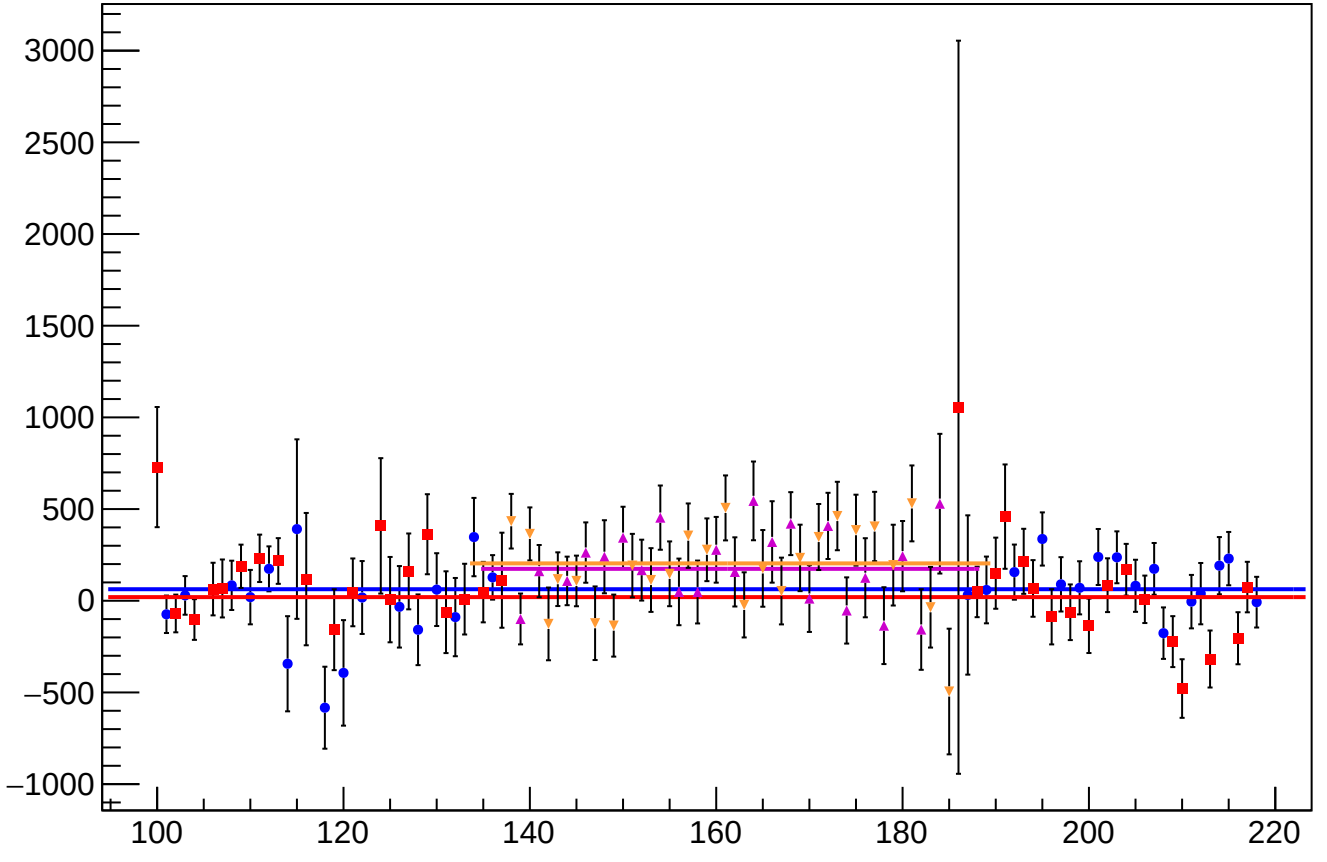
In: 0.000+/-0.000 χ^2/NDF:58.1/54

Out: -0.000+/-0.000 χ^2/NDF:62.1/60

All: 0.000+/-0.000 χ^2/NDF: 121.0/115


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: 9044489.7/35
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: 19113139.8/67
In: 0.000+/-0.000 χ²/NDF:16265675.8/54
Out: 0.000+/-0.000 χ²/NDF:19317136.1/60
All: 0.000+/-0.000 χ²/NDF: 35806332.5/115

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: 19.840+/-26.862 χ^2/NDF: 47.0/35

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

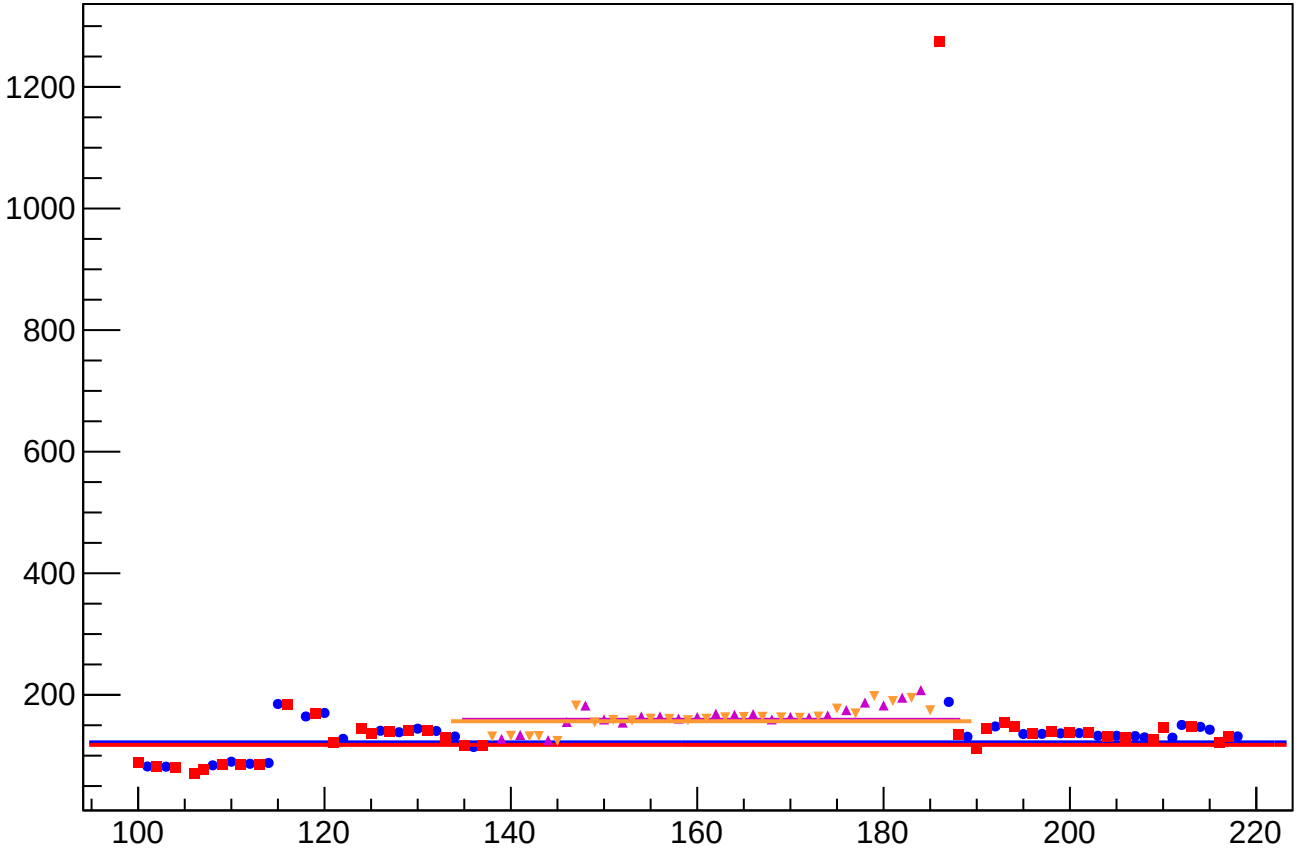
Right: 40.704+/-19.290 χ^2/NDF: 81.8/67

In: 102.281+/-22.270 χ^2/NDF:63.8/54

Out: 85.907+/-21.503 χ^2/NDF:96.7/60

All: 93.807+/-15.469 χ^2/NDF: 160.8/115

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: 117.758+/-0.019 χ^2/NDF: 2746493.0/35

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

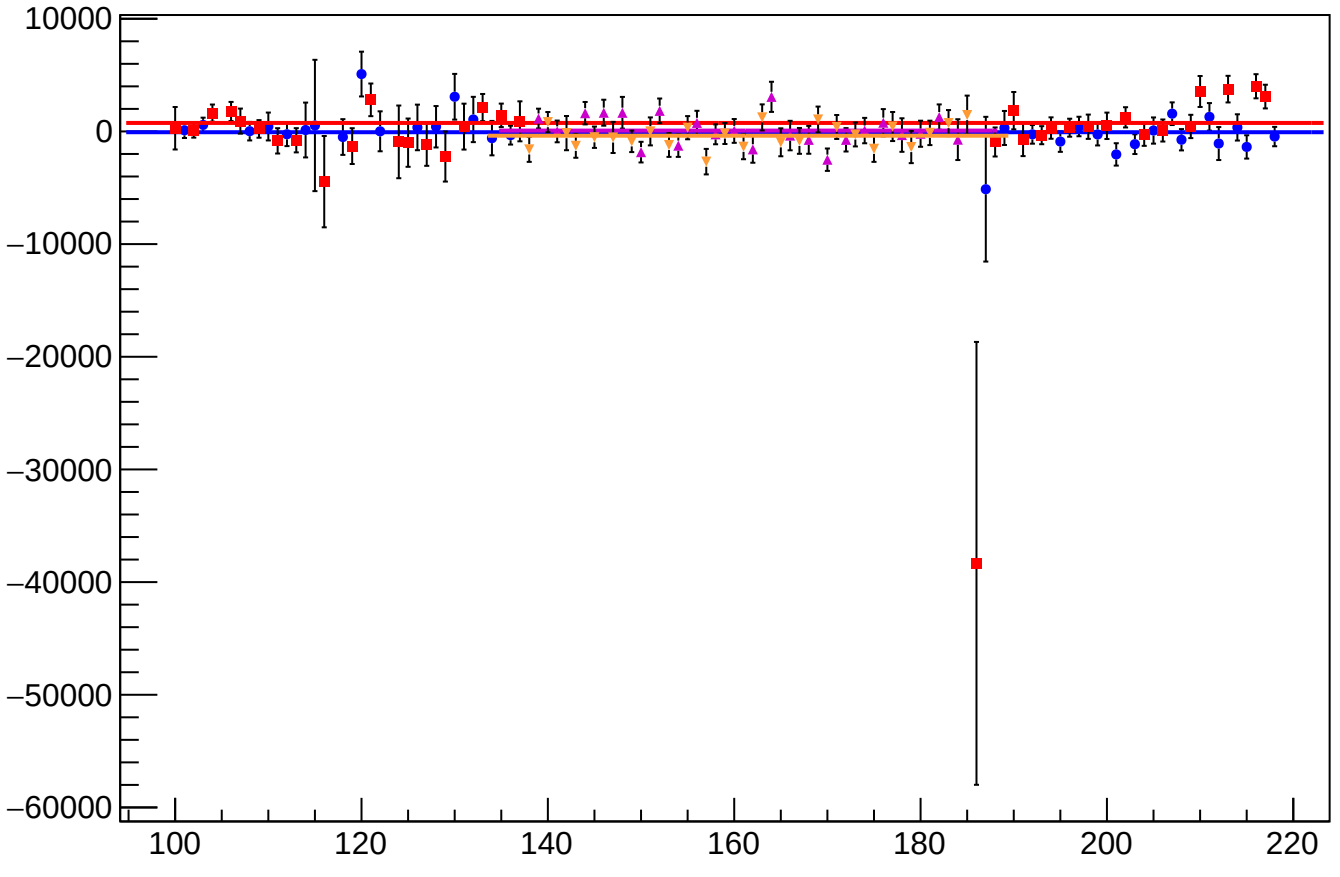
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 119.732+/-0.014 χ^2/NDF: 4454809.1/67

In: 134.990+/-0.016 χ^2/NDF:3468717.8/54

Out: 131.724+/-0.015 χ^2/NDF:4833949.3/60

All: 133.300+/-0.011 χ^2/NDF: 8324927.6/115



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: 753.782+/-188.031 χ^2/NDF: 55.6/35

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

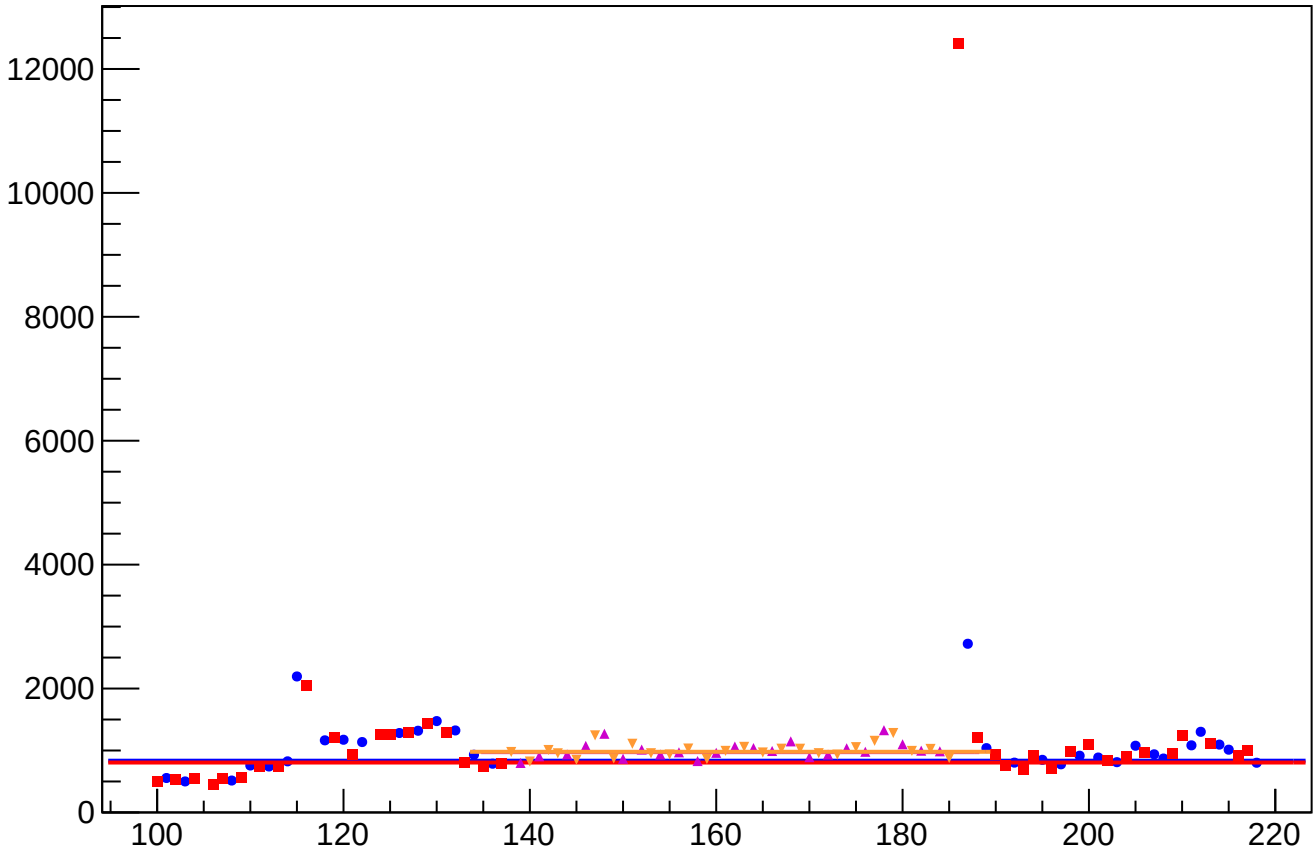
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 355.889+/-135.175 χ^2/NDF: 90.2/67

In: -9.543+/-148.442 χ^2/NDF:58.6/54

Out: 286.190+/-144.164 χ^2/NDF:89.3/60

All: 142.646+/-103.419 χ^2/NDF: 150.0/115



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: 805.895+/-0.133 χ^2/NDF: 3935397.1/35

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

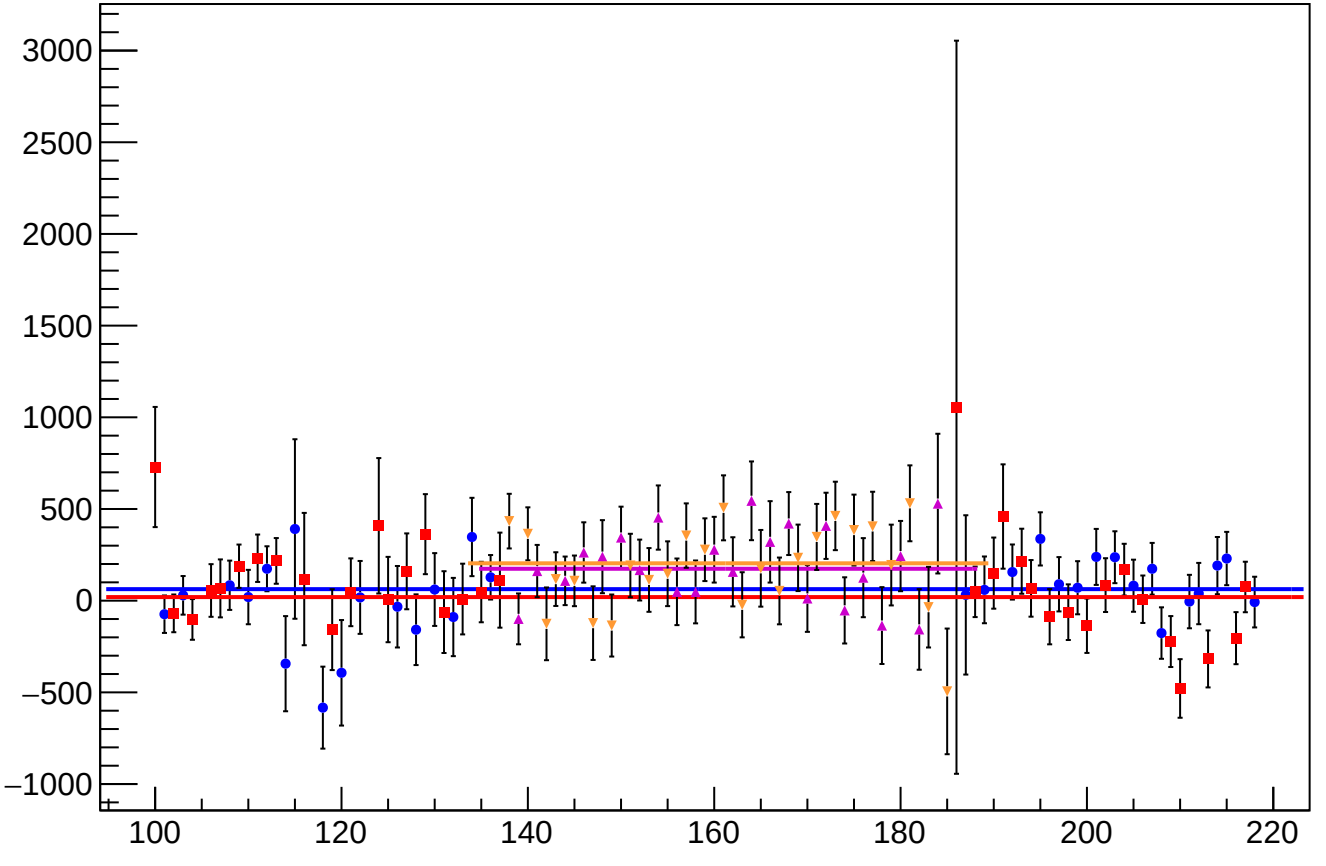
Right: 820.070+/-0.096 χ^2/NDF: 6830586.6/67

In: 893.065+/-0.105 χ^2/NDF:3794172.9/54

Out: 877.289+/-0.102 χ^2/NDF:5064746.6/60

All: 884.946+/-0.073 χ^2/NDF: 8870543.6/115

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: 19.574+/-26.863 χ^2/NDF: 46.9/35

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

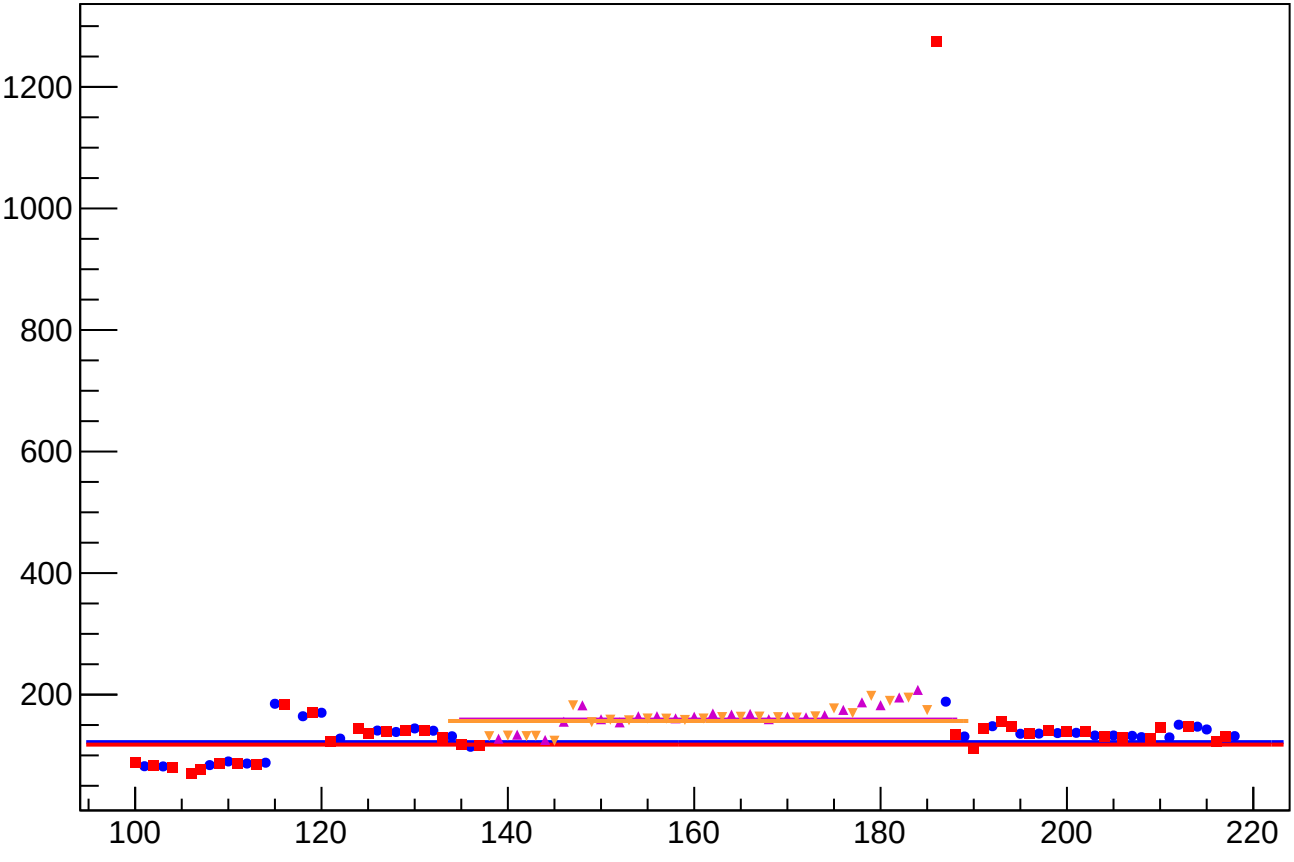
Right: 40.567+/-19.290 χ^2/NDF: 81.8/67

In: 102.282+/-22.270 χ^2/NDF:63.8/54

Out: 85.741+/-21.504 χ^2/NDF:96.7/60

All: 93.722+/-15.469 χ^2/NDF: 160.8/115

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: 117.747+/-0.019 χ^2/NDF: 2749828.2/35

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

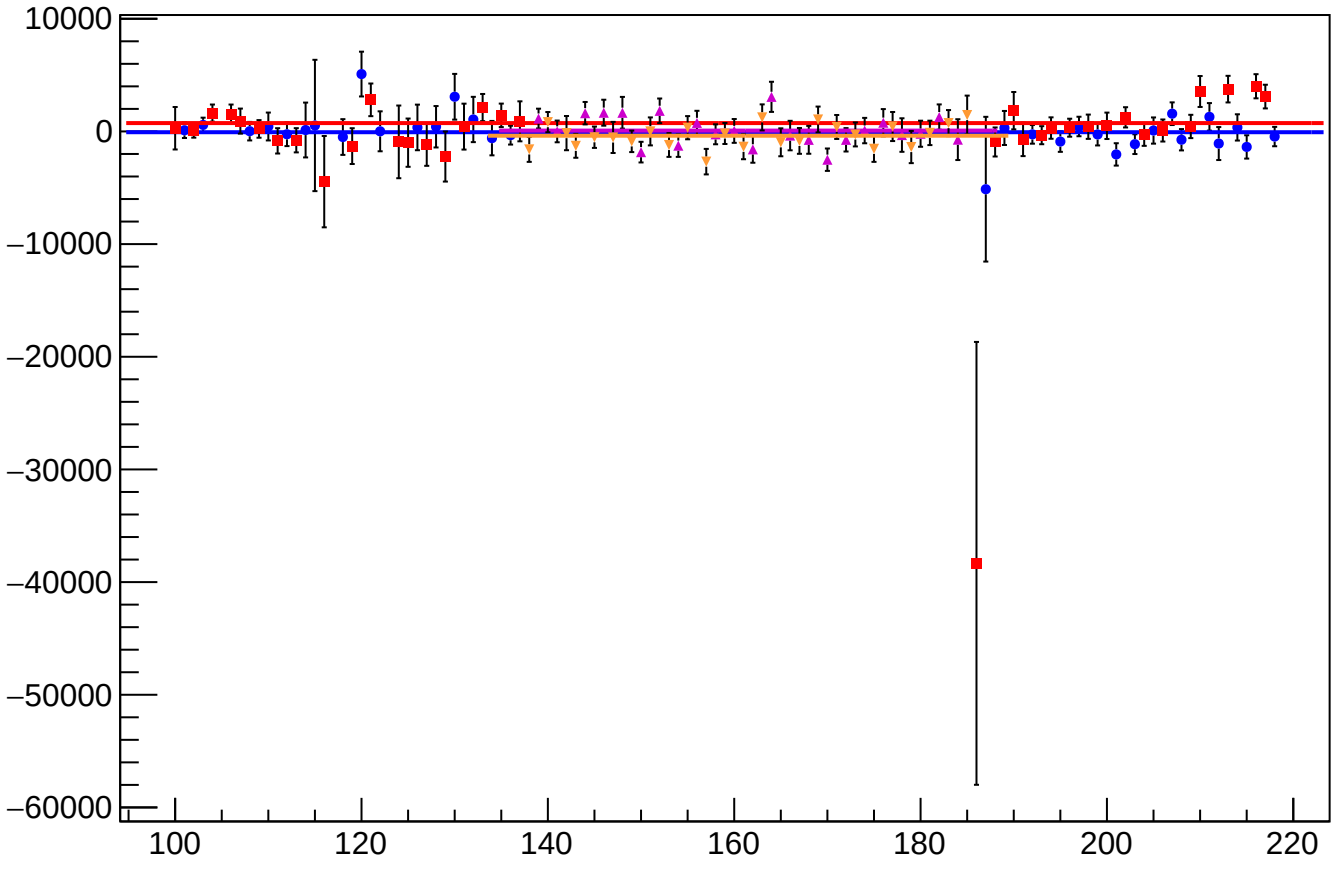
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 119.726+/-0.014 χ^2/NDF: 4458259.3/67

In: 134.990+/-0.016 χ^2/NDF:3468715.8/54

Out: 131.718+/-0.015 χ^2/NDF:4838074.6/60

All: 133.297+/-0.011 χ^2/NDF: 8329135.3/115



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: 741.374+/-188.092 χ^2/NDF: 55.0/35

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

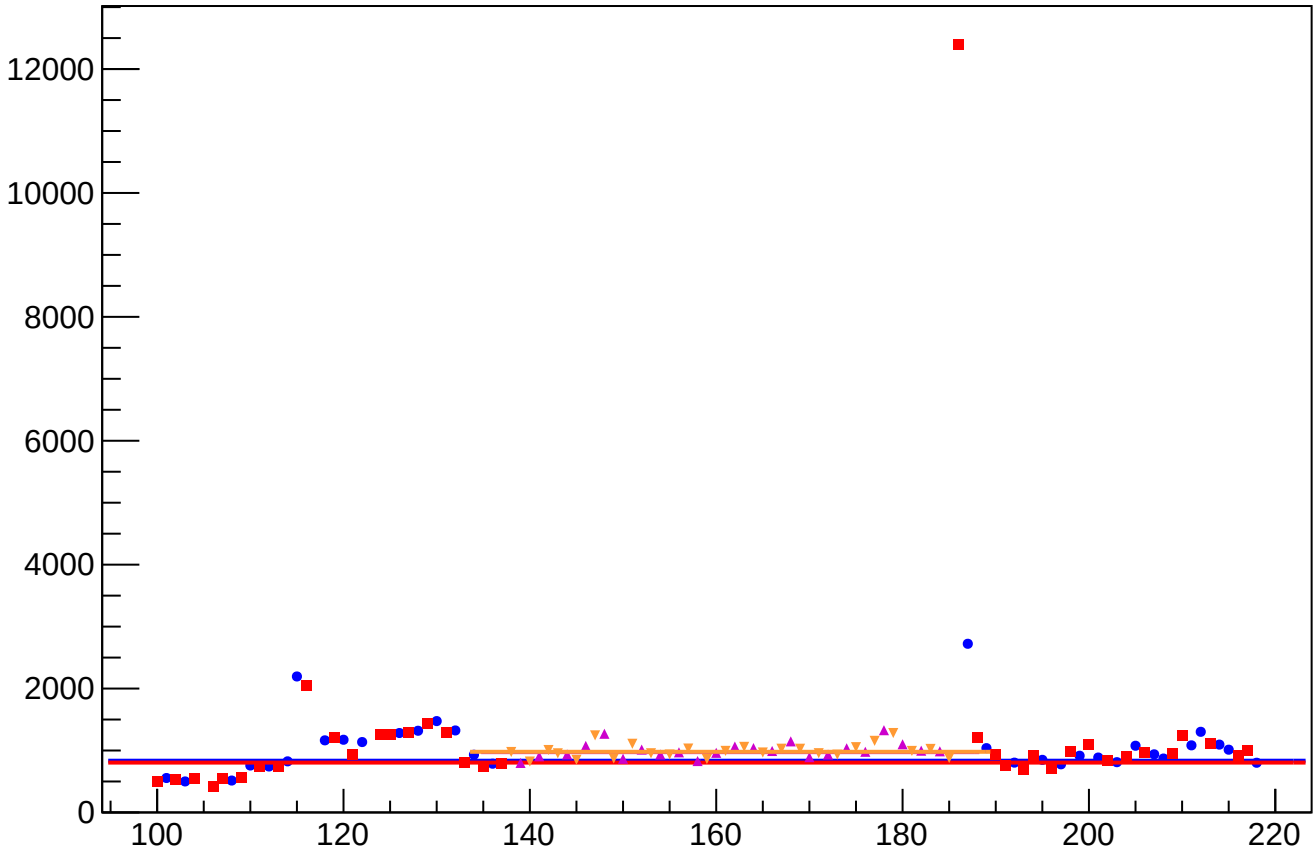
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 349.349+/-135.197 χ^2/NDF: 89.3/67

In: -9.541+/-148.442 χ^2/NDF:58.6/54

Out: 278.727+/-144.191 χ^2/NDF:88.4/60

All: 138.779+/-103.429 χ^2/NDF: 148.9/115



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: 804.939+/-0.133 χ^2/NDF: 3980160.9/35

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

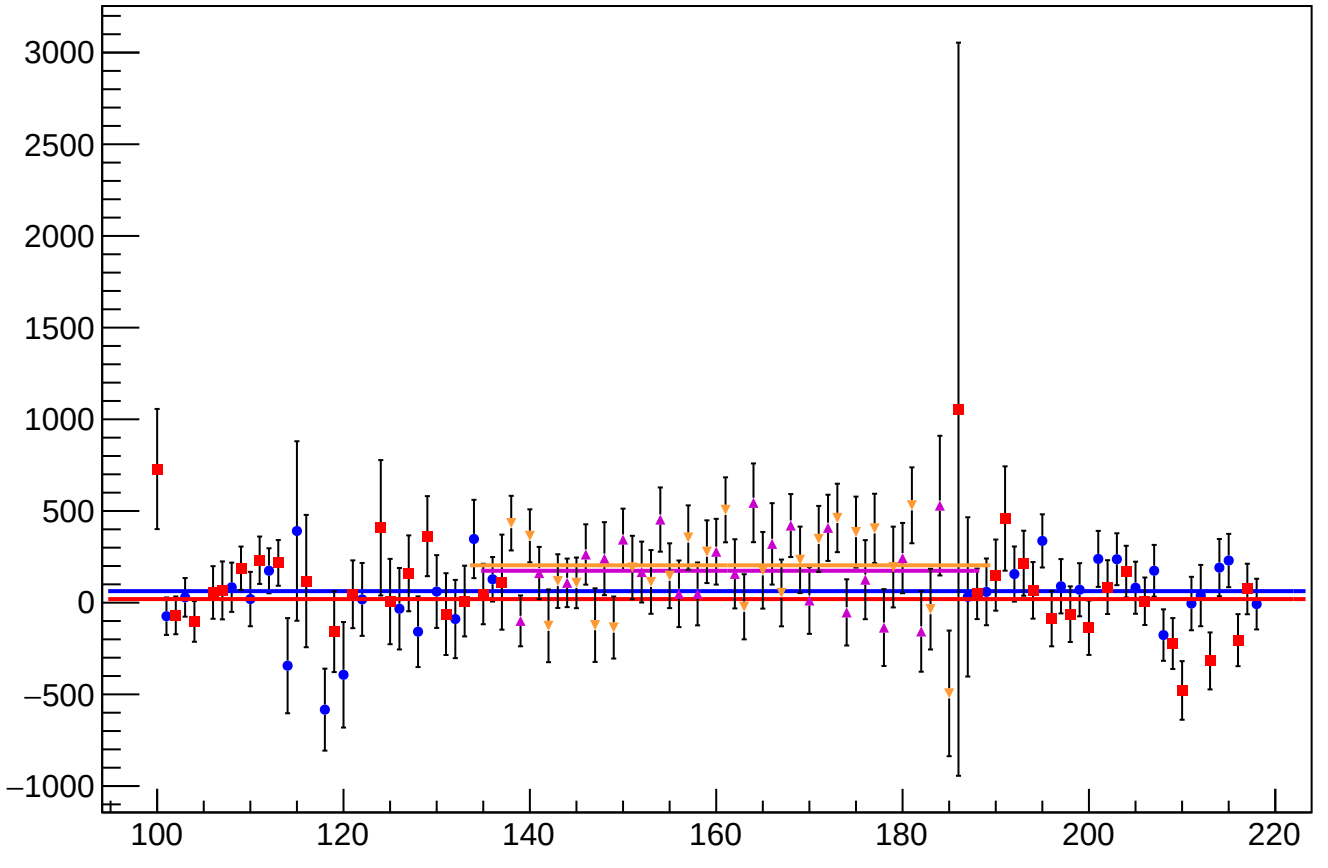
Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

Right: 819.580+/-0.096 χ^2/NDF: 6876904.0/67

In: 893.064+/-0.105 χ^2/NDF:3794179.3/54

Out: 876.754+/-0.102 χ^2/NDF:5117068.1/60

All: 884.673+/-0.073 χ^2/NDF: 8923670.8/115



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: 19.574+/-26.863 χ^2/NDF: 46.9/35

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

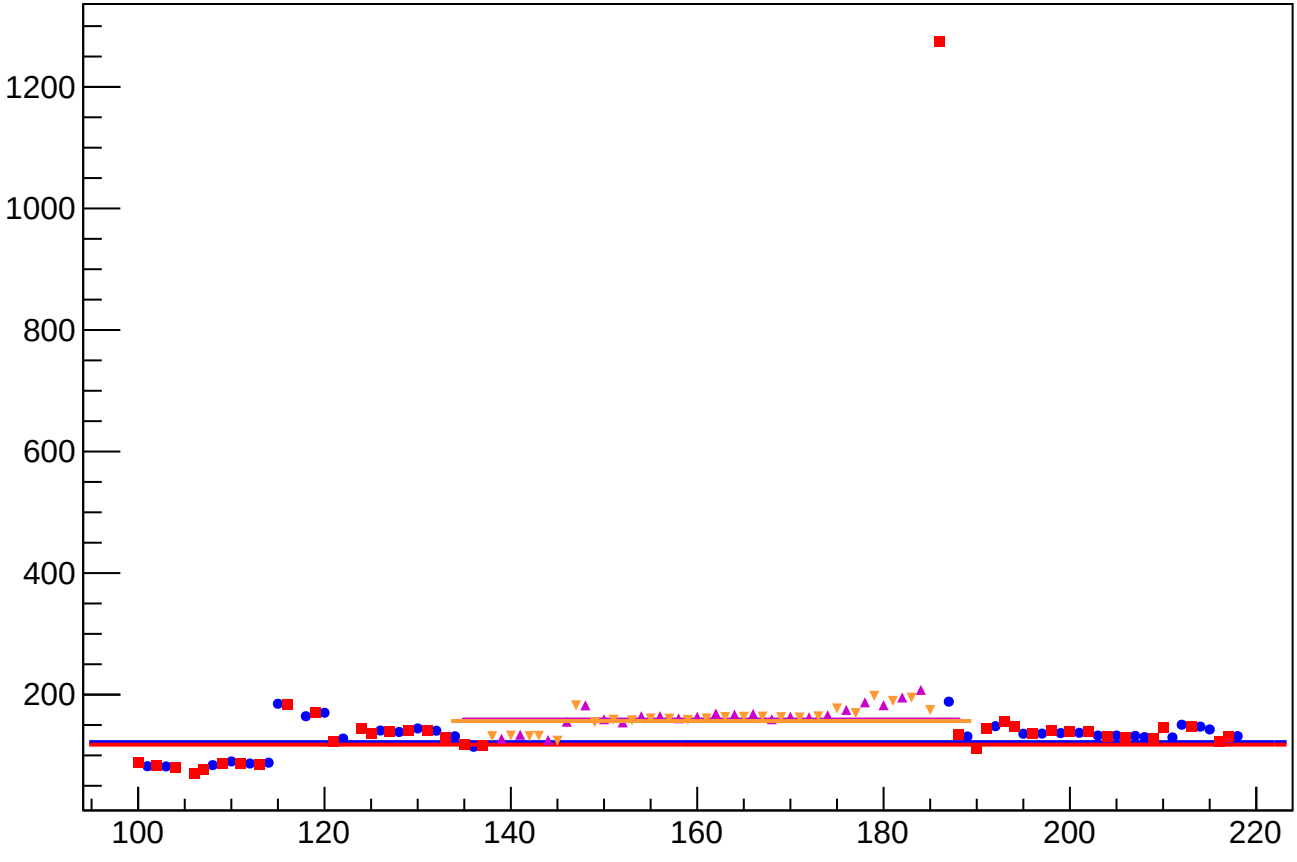
Right: 40.567+/-19.290 χ^2/NDF: 81.8/67

In: 102.282+/-22.270 χ^2/NDF:63.8/54

Out: 85.741+/-21.504 χ^2/NDF:96.7/60

All: 93.722+/-15.469 χ^2/NDF: 160.8/115

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: 117.747+/-0.019 χ^2/NDF: 2749828.2/35

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

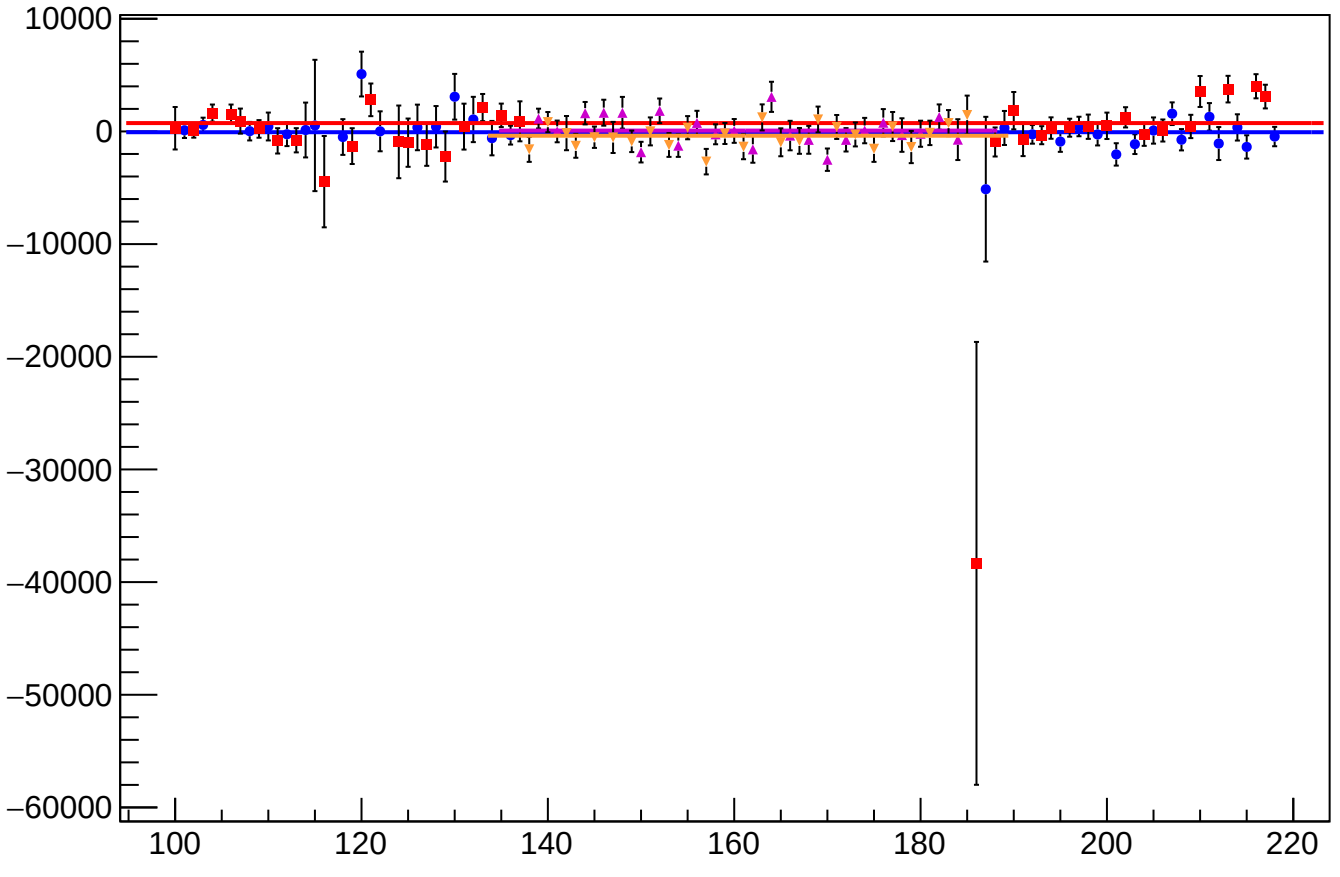
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 119.726+/-0.014 χ^2/NDF: 4458259.3/67

In: 134.990+/-0.016 χ^2/NDF:3468715.8/54

Out: 131.718+/-0.015 χ^2/NDF:4838074.6/60

All: 133.297+/-0.011 χ^2/NDF: 8329135.3/115



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: 741.374+/-188.092 χ^2/NDF: 55.0/35

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

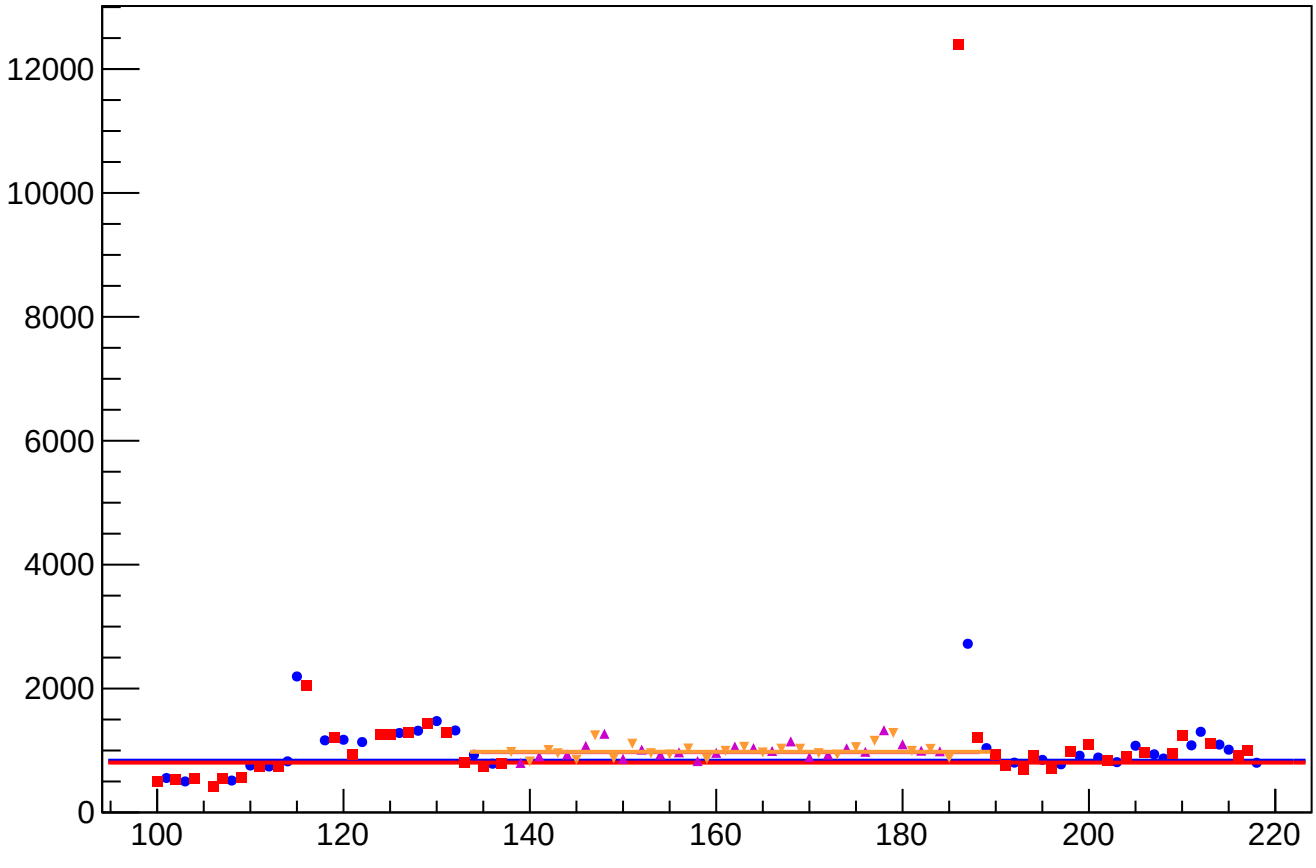
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 349.349+/-135.197 χ^2/NDF: 89.3/67

In: -9.541+/-148.442 χ^2/NDF:58.6/54

Out: 278.727+/-144.191 χ^2/NDF:88.4/60

All: 138.779+/-103.429 χ^2/NDF: 148.9/115



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: 804.939+/-0.133 χ^2/NDF: 3980160.9/35

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

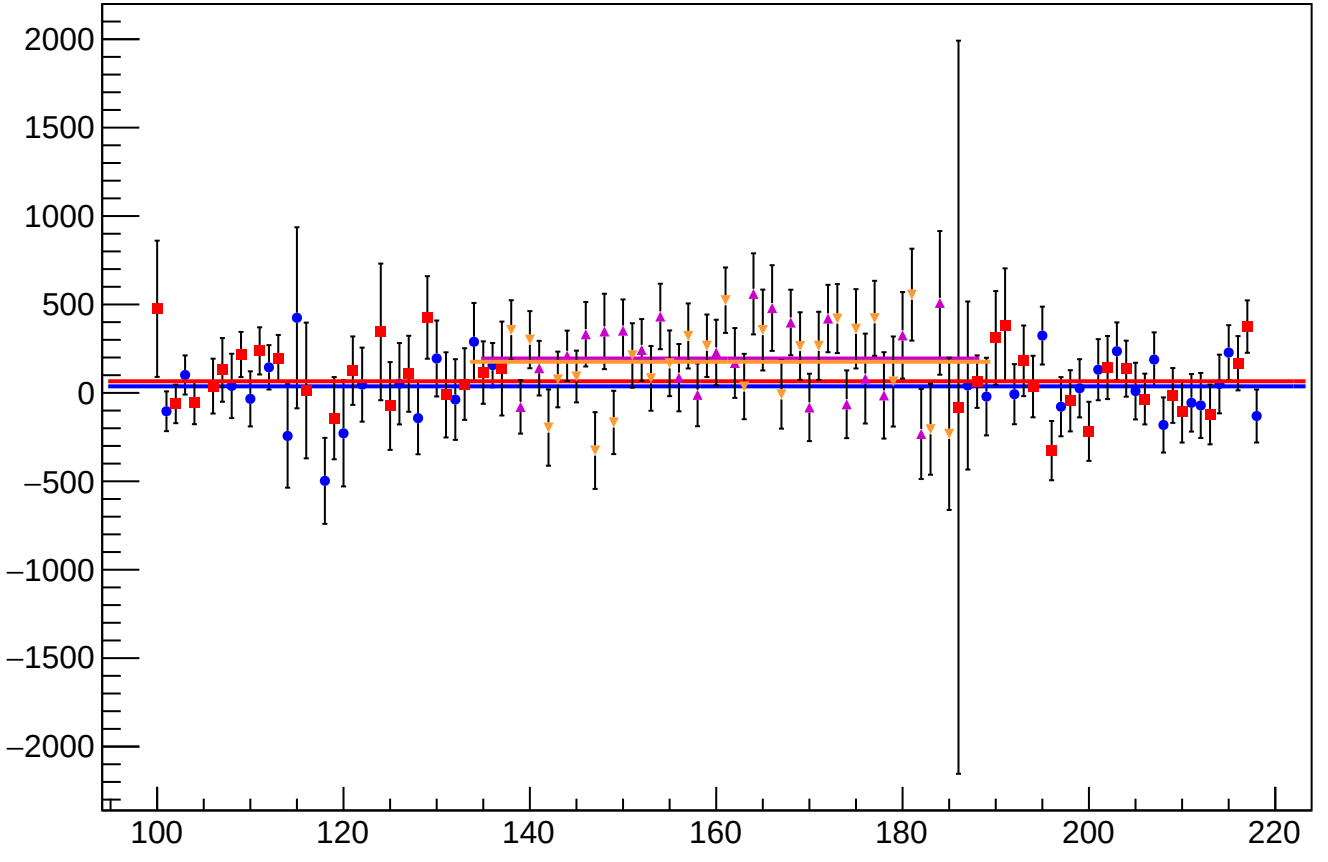
Right: 819.580+/-0.096 χ^2/NDF: 6876904.0/67

In: 893.064+/-0.105 χ^2/NDF:3794179.3/54

Out: 876.754+/-0.102 χ^2/NDF:5117068.1/60

All: 884.673+/-0.073 χ^2/NDF: 8923670.8/115

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: 65.717+/-29.382 χ^2/NDF: 31.3/35

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

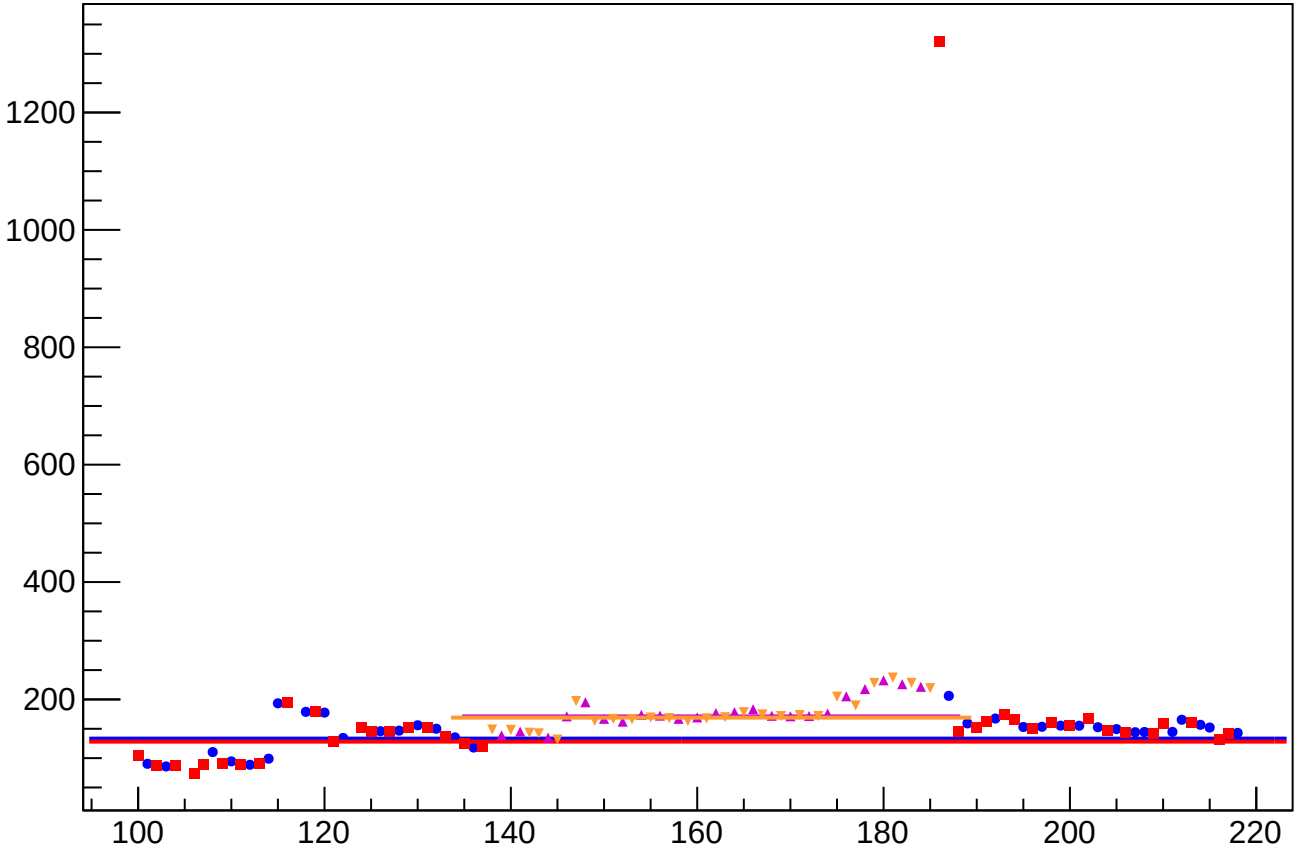
Right: 51.848+/-21.122 χ^2/NDF: 57.2/67

In: 93.881+/-24.280 χ^2/NDF:59.0/54

Out: 105.865+/-23.432 χ^2/NDF:67.1/60

All: 100.086+/-16.861 χ^2/NDF: 126.3/115

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: 128.128+/-0.021 χ^2/NDF: 3012440.7/35

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

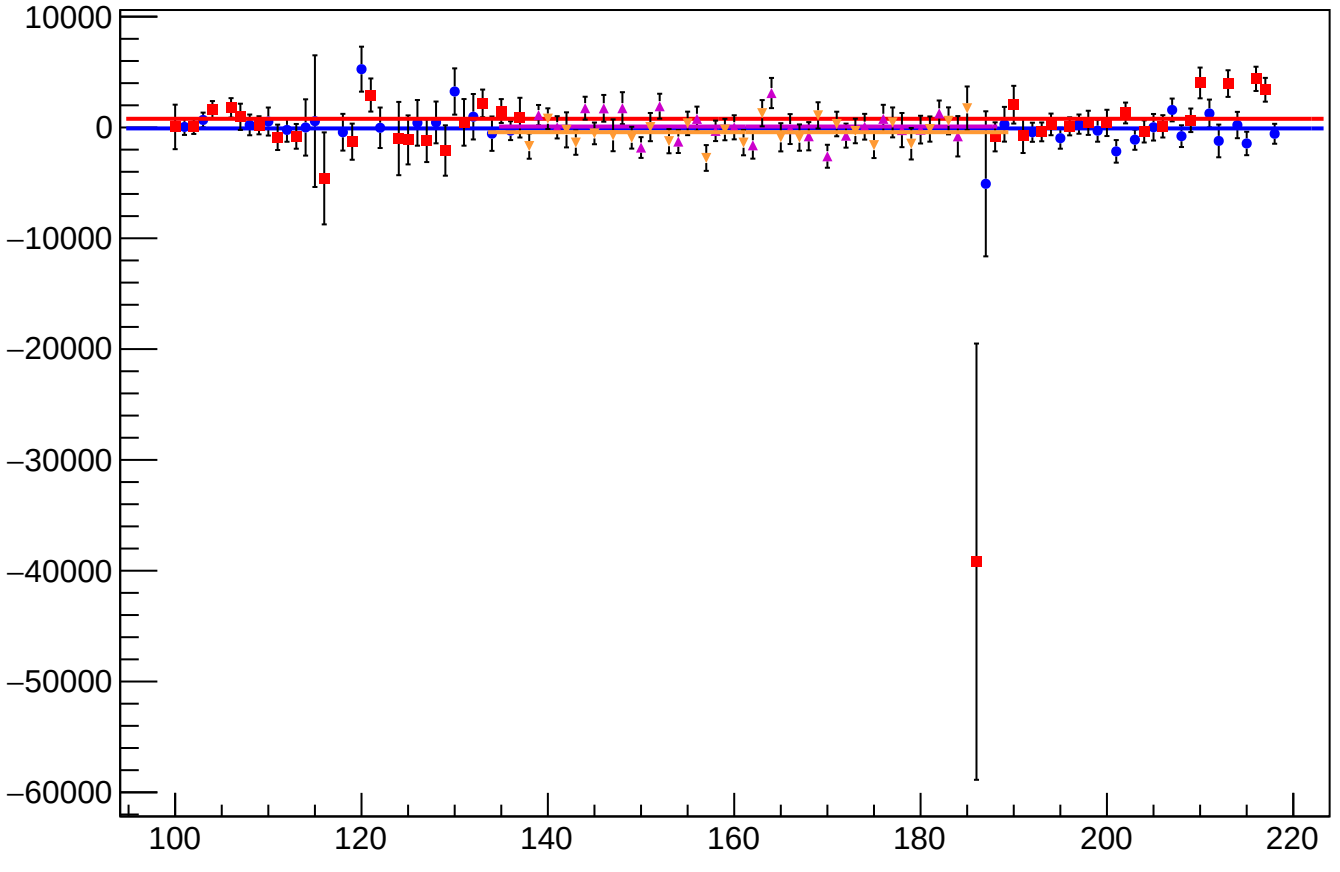
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 130.597+/-0.015 χ^2/NDF: 4856908.6/67

In: 146.897+/-0.017 χ^2/NDF:3611135.2/54

Out: 143.009+/-0.017 χ^2/NDF:5195754.0/60

All: 144.884+/-0.012 χ^2/NDF: 8833437.7/115



Right In: -85.495+/-201.086 χ^2/NDF: 26.0/31

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: 782.963+/-193.899 χ^2/NDF: 60.6/35

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

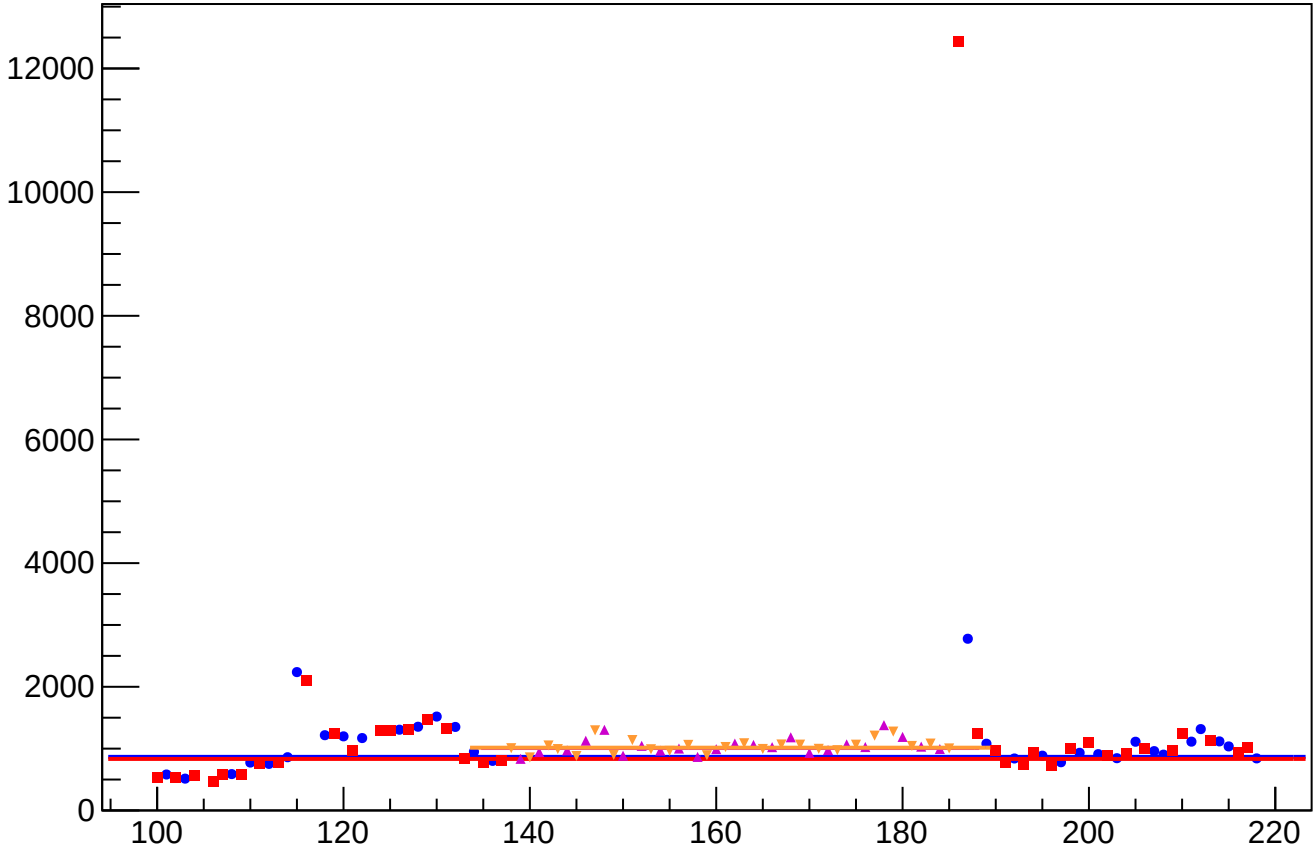
Right: 364.529+/-139.579 χ^2/NDF: 96.2/67

In: -13.916+/-153.643 χ^2/NDF:58.7/54

Out: 287.262+/-148.927 χ^2/NDF:94.9/60

All: 141.367+/-106.935 χ^2/NDF: 155.6/115

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: 833.634+/-0.137 χ^2/NDF: 3774725.7/35

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

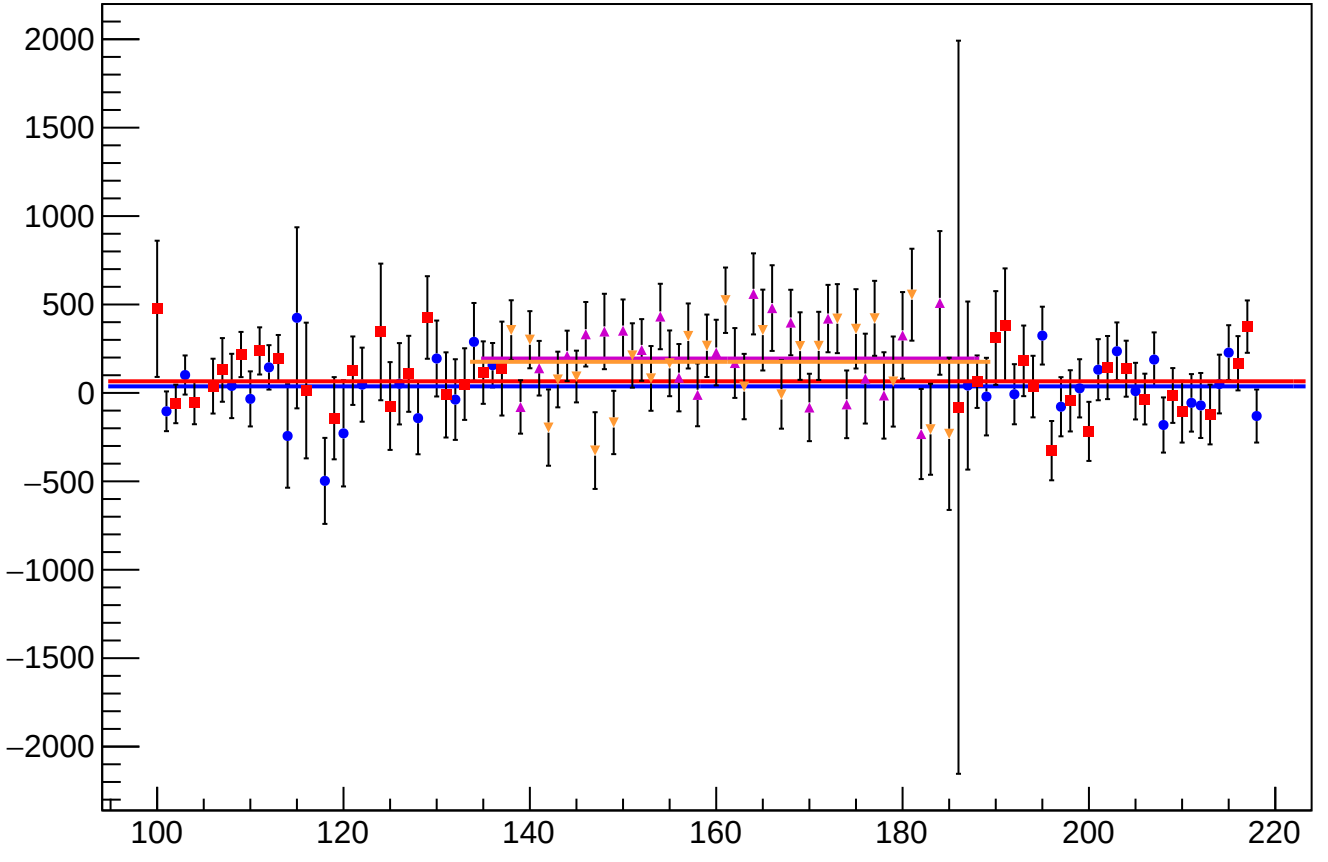
Right: 849.534+/-0.099 χ^2/NDF: 6493842.3/67

In: 926.167+/-0.109 χ^2/NDF:3611176.3/54

Out: 908.028+/-0.105 χ^2/NDF:4890617.2/60

All: 916.815+/-0.076 χ^2/NDF: 8516165.6/115

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



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: 65.716+/-29.382 χ^2/NDF: 31.3/35

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

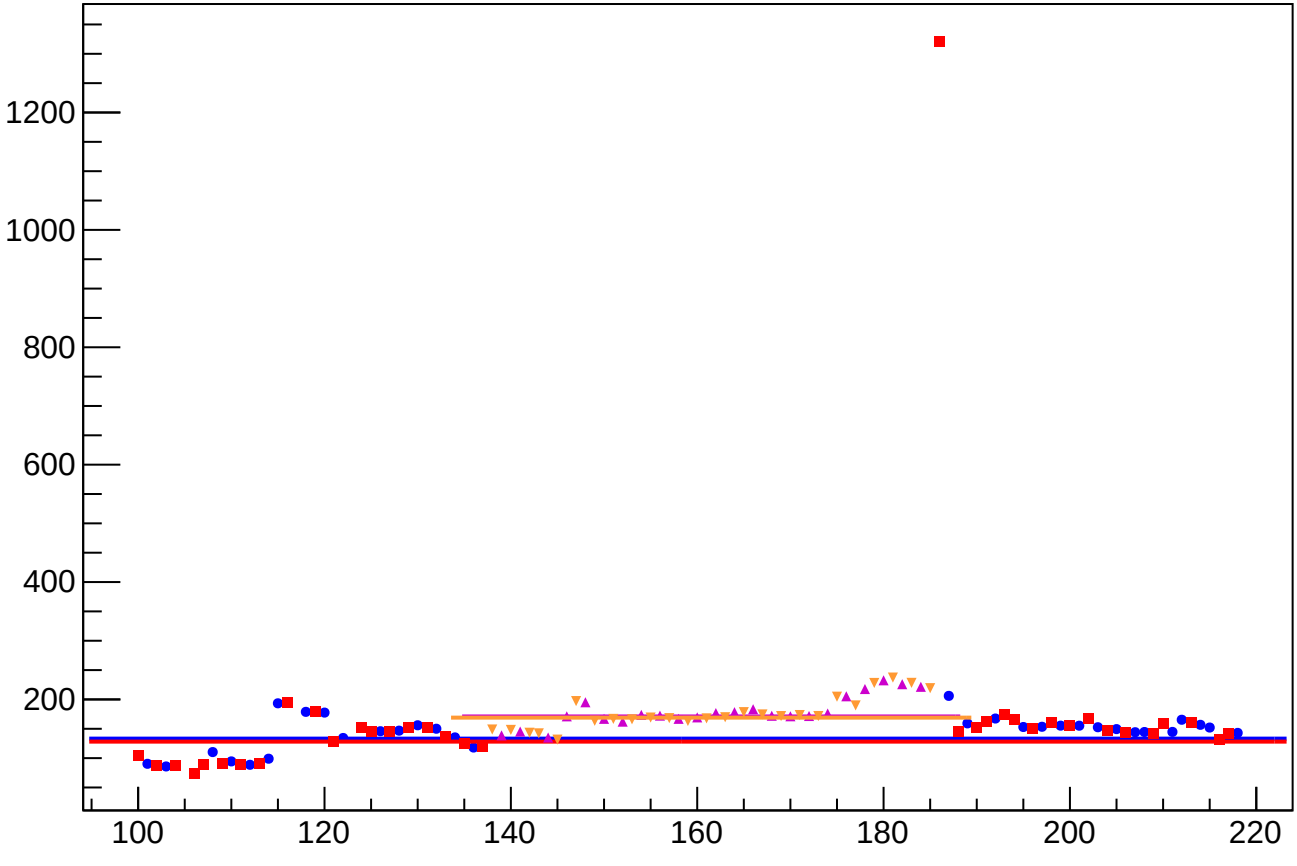
Right: 51.848+/-21.122 χ^2/NDF: 57.2/67

In: 93.881+/-24.280 χ^2/NDF:59.0/54

Out: 105.864+/-23.432 χ^2/NDF:67.1/60

All: 100.086+/-16.861 χ^2/NDF: 126.3/115

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: 128.128+/-0.021 χ^2/NDF: 3012441.3/35

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

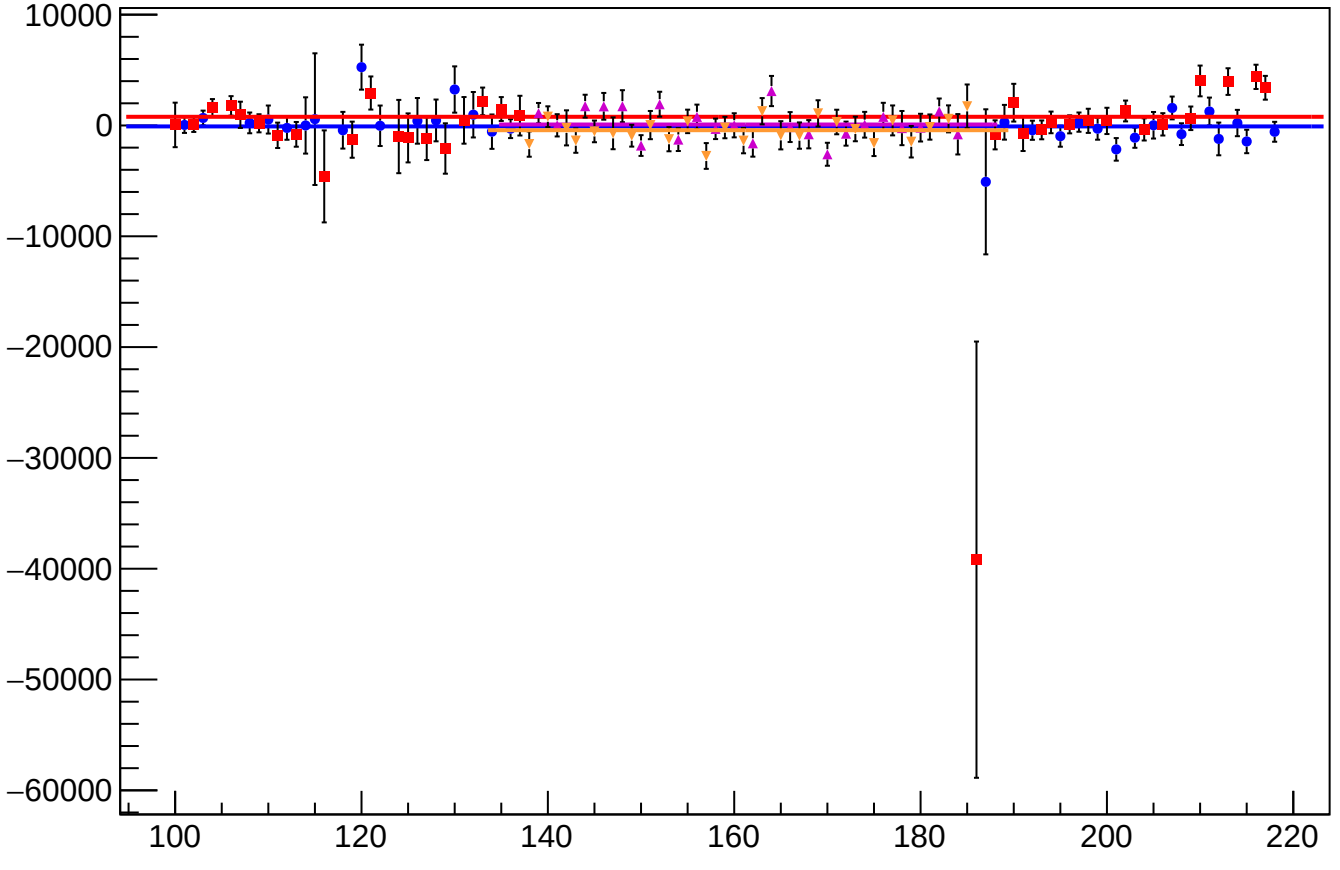
Right: 130.597+/-0.015 χ^2/NDF: 4856916.6/67

In: 146.897+/-0.017 χ^2/NDF:3611163.1/54

Out: 143.009+/-0.017 χ^2/NDF:5195767.0/60

All: 144.884+/-0.012 χ^2/NDF: 8833479.0/115

asym_sam5_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 782.964+/-193.899 χ^2/NDF: 60.6/35

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

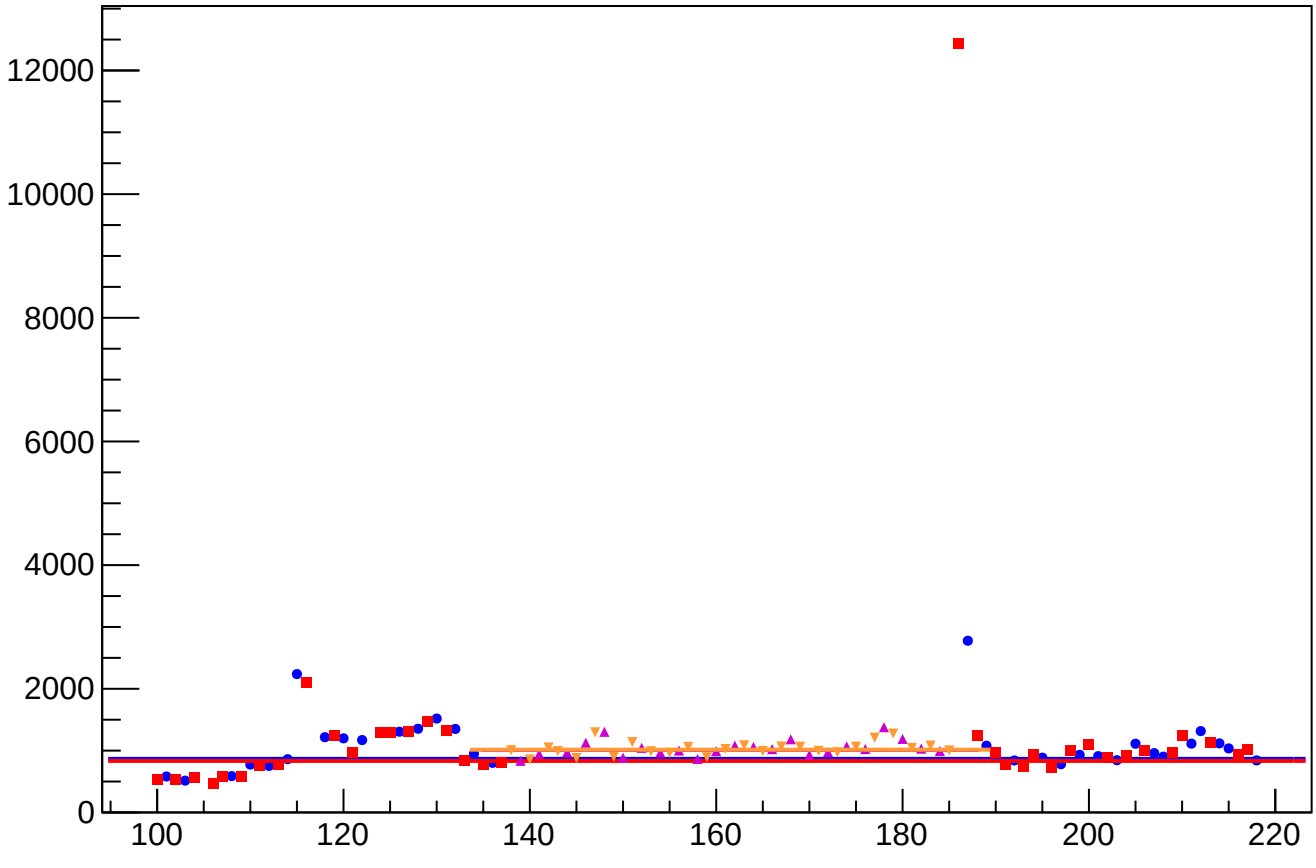
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 364.531+/-139.579 χ^2/NDF: 96.2/67

In: -13.915+/-153.643 χ^2/NDF:58.7/54

Out: 287.265+/-148.927 χ^2/NDF:94.9/60

All: 141.368+/-106.935 χ^2/NDF: 155.6/115



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: 833.634+/-0.137 χ^2/NDF: 3774727.7/35

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

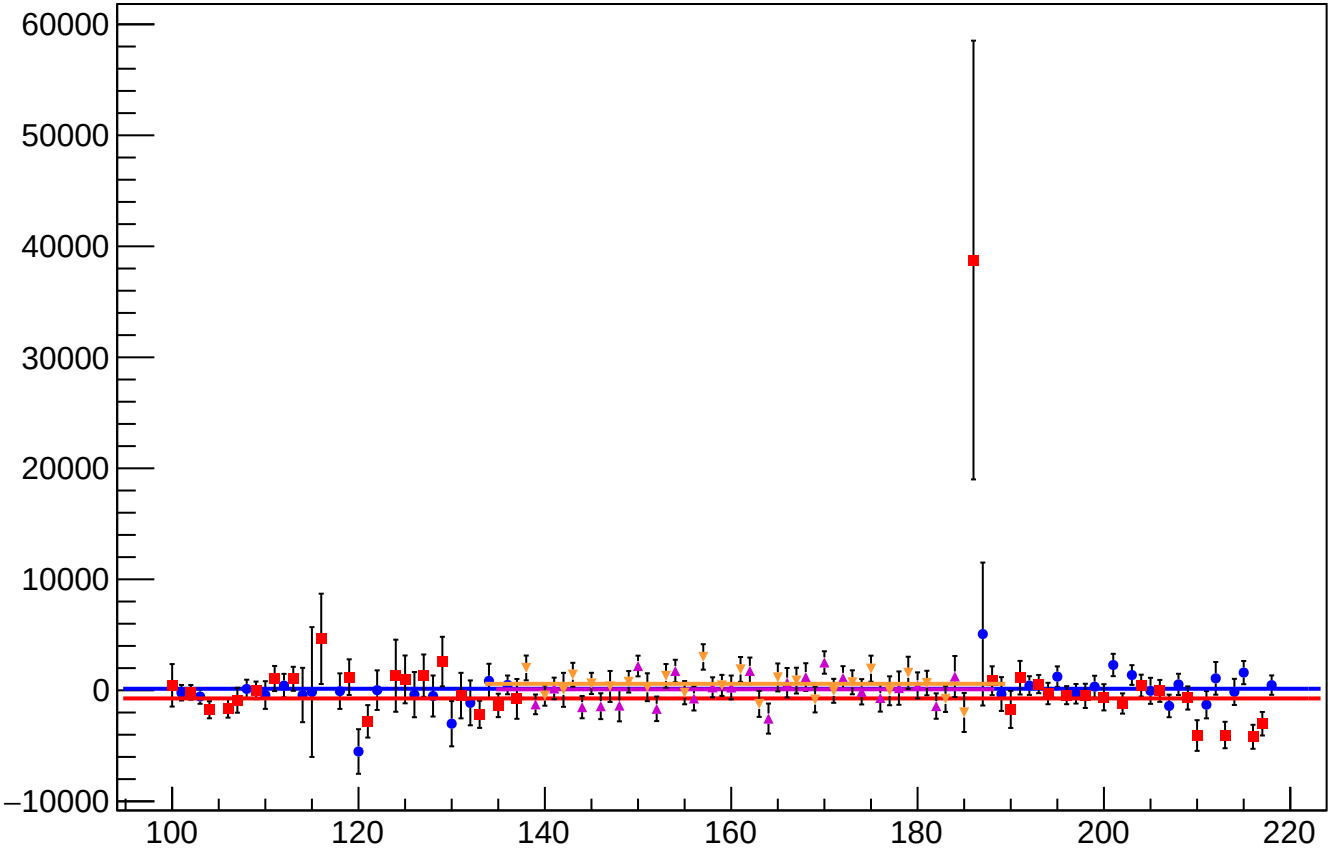
Right: 849.533+/-0.099 χ^2/NDF: 6493844.8/67

In: 926.167+/-0.109 χ^2/NDF:3611187.6/54

Out: 908.028+/-0.105 χ^2/NDF:4890631.1/60

All: 916.815+/-0.076 χ^2/NDF: 8516191.1/115

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: -730.157+/-190.374 χ^2/NDF: 61.9/35

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

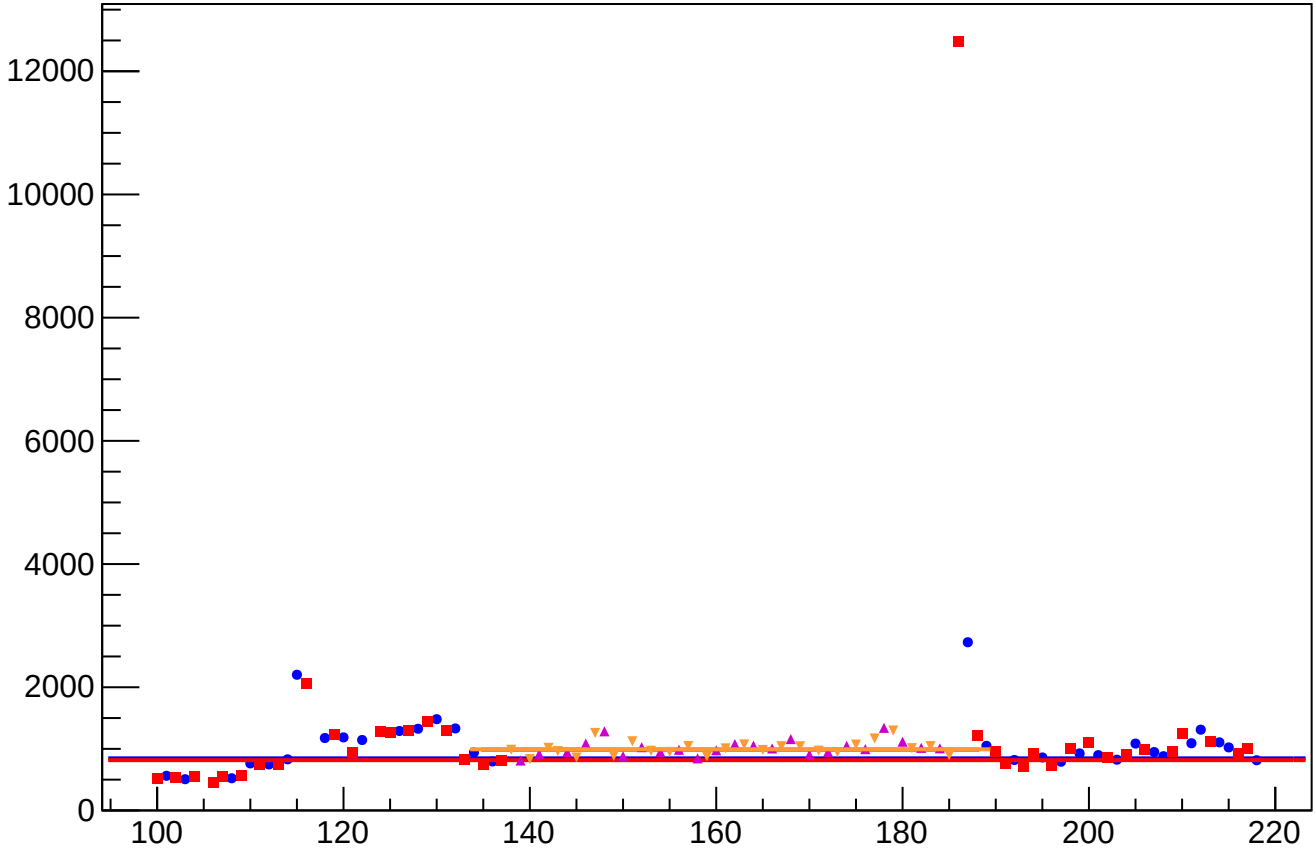
Right: -309.082+/-136.818 χ^2/NDF: 100.4/67

In: 120.736+/-150.336 χ^2/NDF:63.0/54

Out: -188.259+/-146.022 χ^2/NDF:102.3/60

All: -38.259+/-104.745 χ^2/NDF: 167.5/115

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: 816.433+/-0.135 χ^2/NDF: 3893246.5/35

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

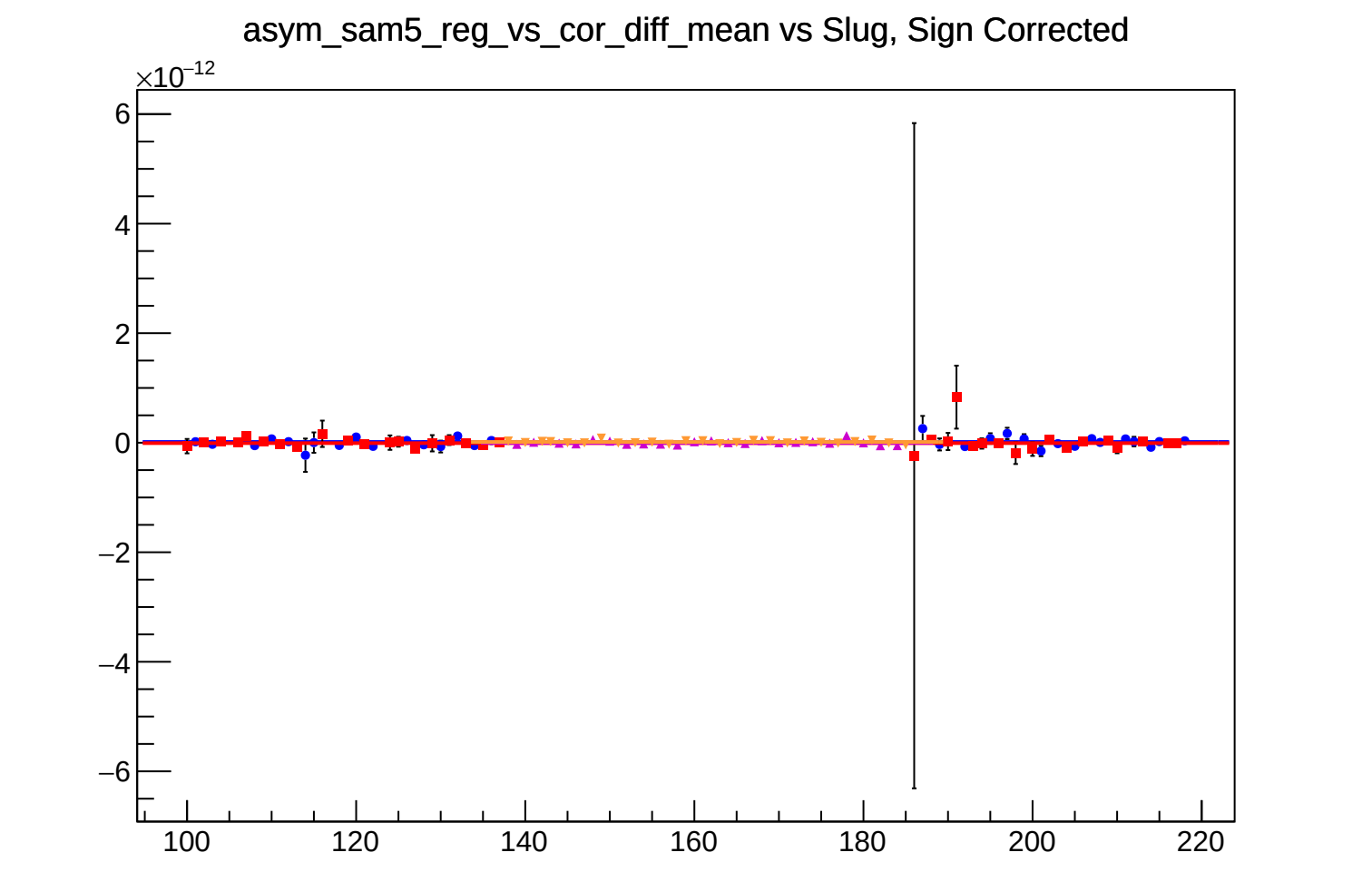
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 830.613+/-0.097 χ^2/NDF: 6750772.1/67

In: 904.877+/-0.106 χ^2/NDF:3756017.4/54

Out: 888.935+/-0.103 χ^2/NDF:5022774.9/60

All: 896.674+/-0.074 χ^2/NDF: 8790364.7/115



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: 24.9/35

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

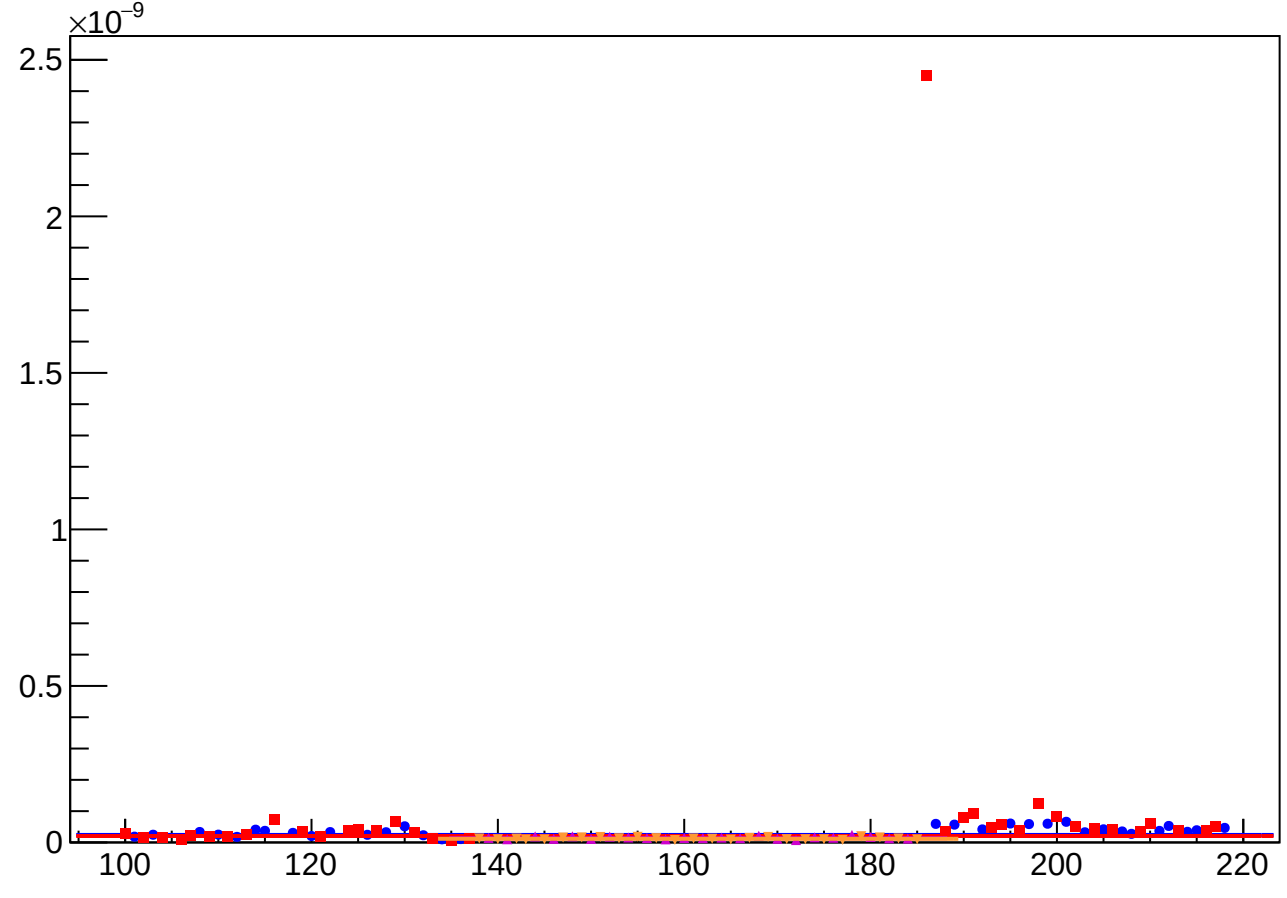
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 61.6/67

In: 0.000+/-0.000 χ^2/NDF:64.2/54

Out: 0.000+/-0.000 χ^2/NDF:53.0/60

All: 0.000+/-0.000 χ^2/NDF: 118.5/115



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: 7047029.0/35

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

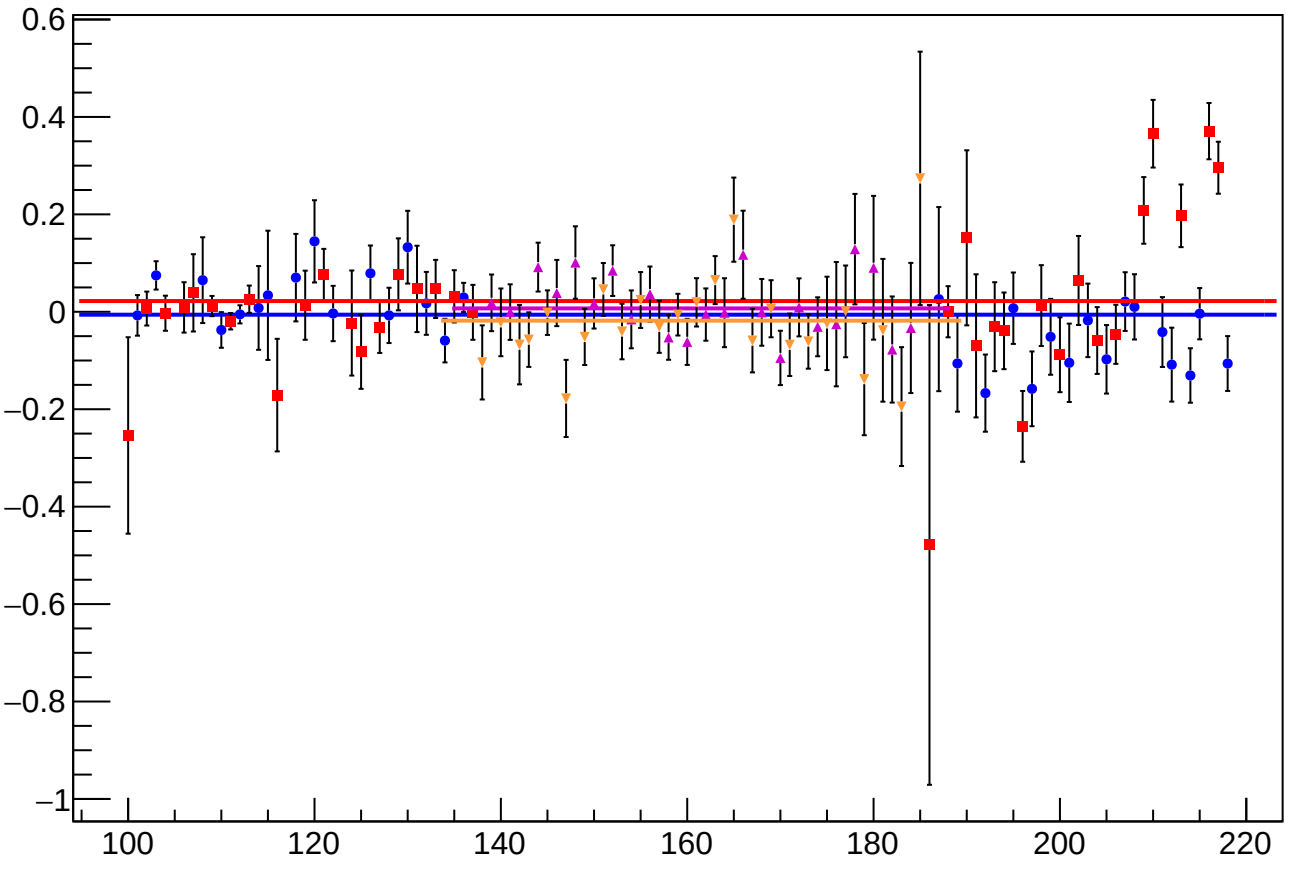
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11700726.4/67

In: 0.000+/-0.000 χ^2/NDF:7381742.9/54

Out: 0.000+/-0.000 χ^2/NDF:9558207.0/60

All: 0.000+/-0.000 χ^2/NDF: 17241098.8/115



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: 0.022+/-0.008 χ^2/NDF: 139.4/35

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

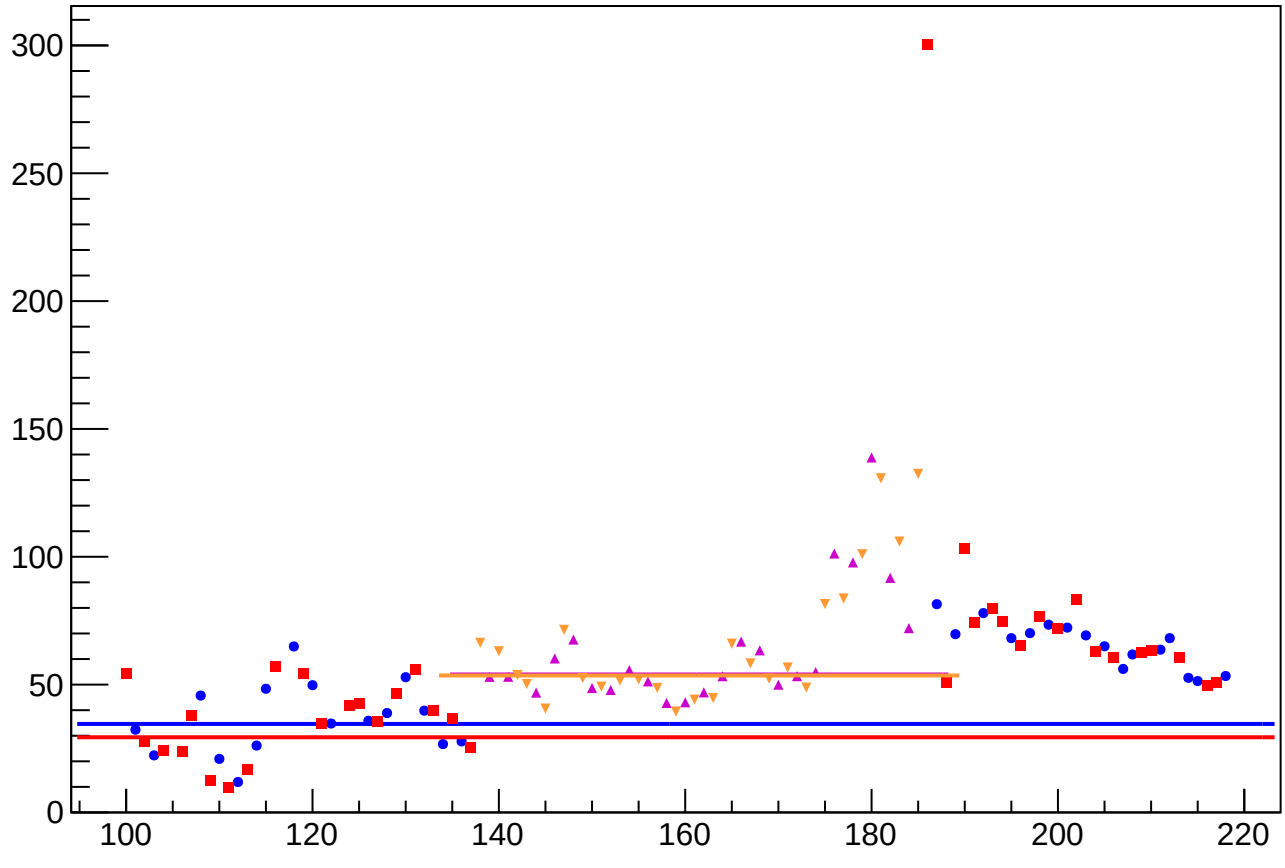
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.010+/-0.006 χ^2/NDF: 189.6/67

In: -0.002+/-0.007 χ^2/NDF:64.2/54

Out: 0.010+/-0.007 χ^2/NDF:170.8/60

All: 0.005+/-0.005 χ^2/NDF: 236.4/115



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: 29.408+/-0.006 χ^2/NDF: 13627354.9/35

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

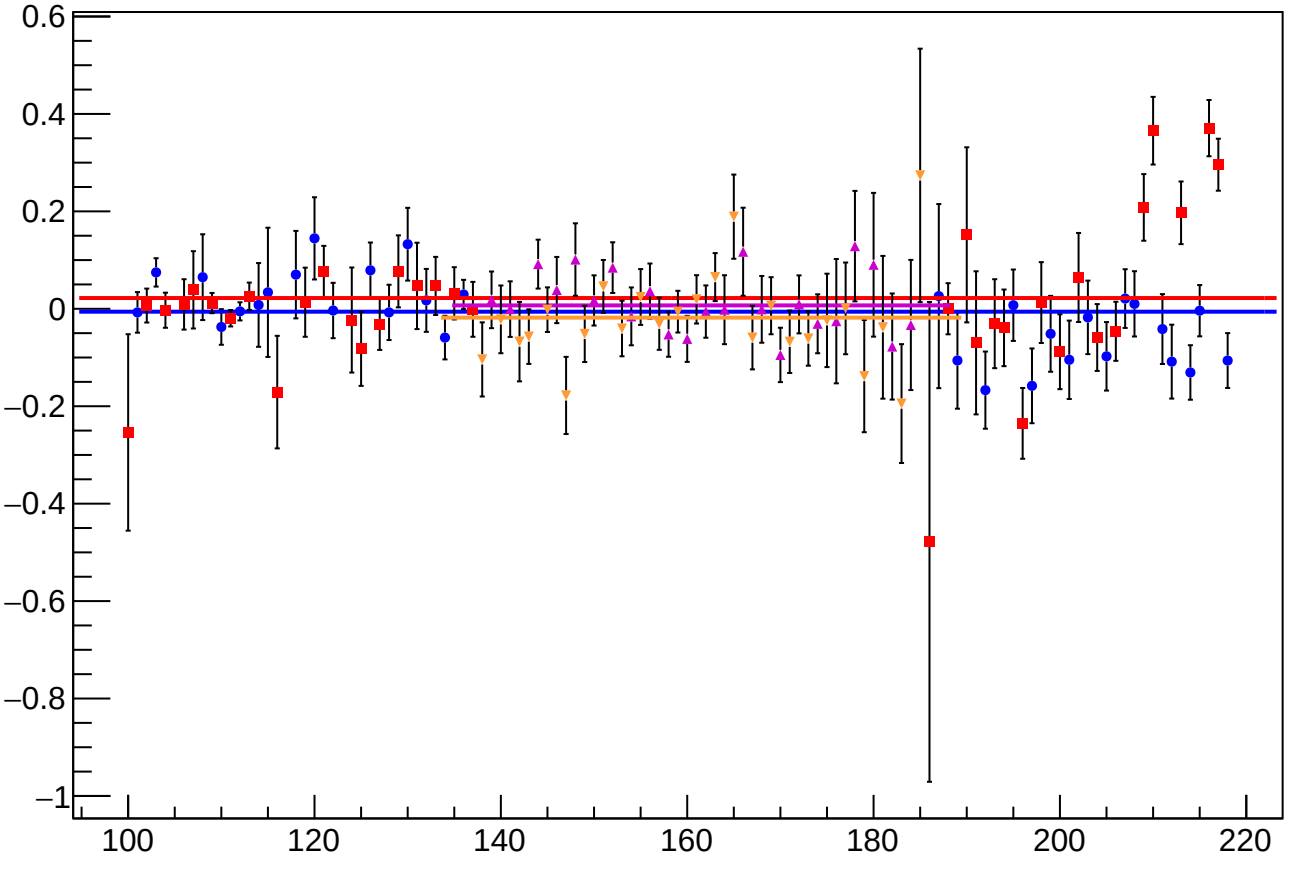
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 31.748+/-0.004 χ^2/NDF: 23767245.4/67

In: 40.840+/-0.005 χ^2/NDF:14731445.0/54

Out: 36.434+/-0.005 χ^2/NDF:21329574.9/60

All: 38.459+/-0.004 χ^2/NDF: 36435849.7/115



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: 0.022+/-0.008 χ^2/NDF: 139.4/35

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

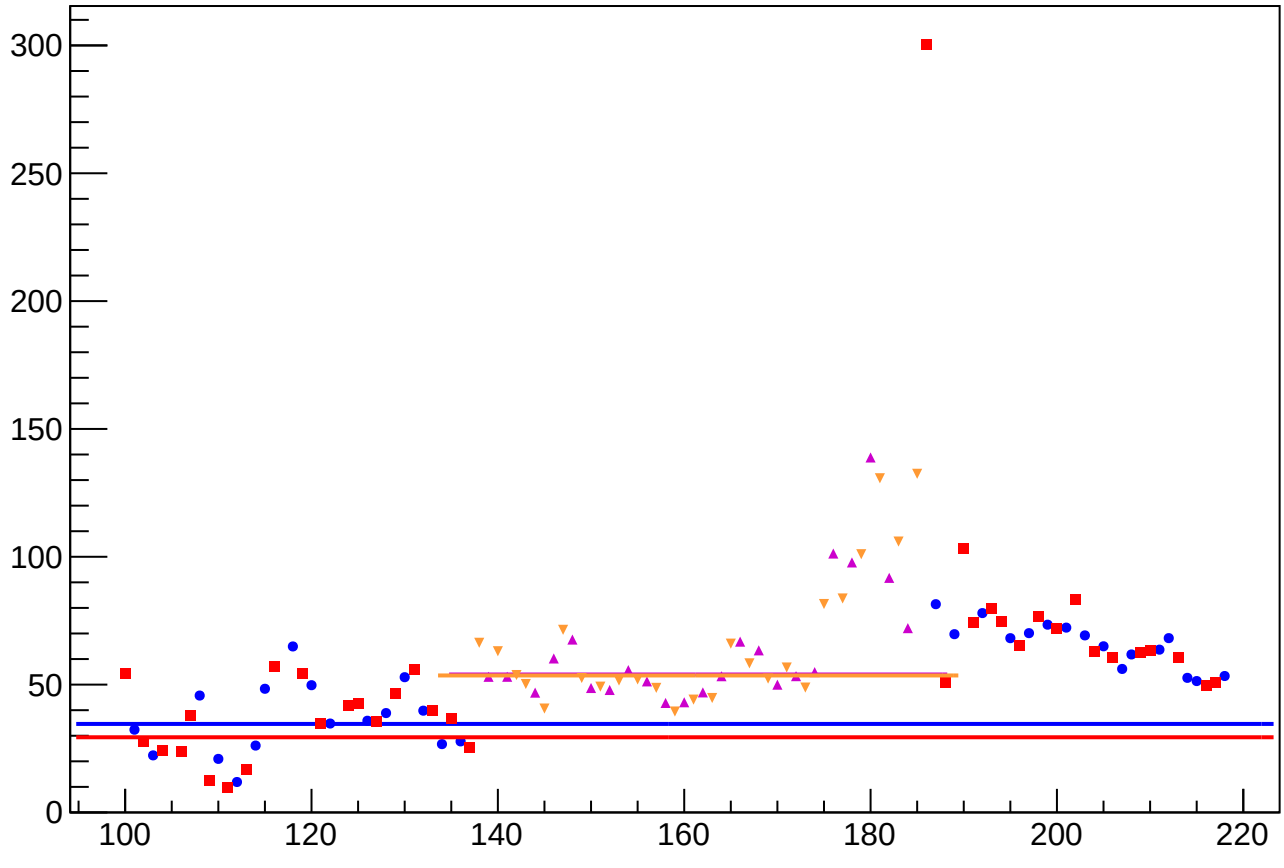
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.010+/-0.006 χ^2/NDF: 189.6/67

In: -0.002+/-0.007 χ^2/NDF:64.2/54

Out: 0.010+/-0.007 χ^2/NDF:170.8/60

All: 0.005+/-0.005 χ^2/NDF: 236.4/115



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: 29.408+/-0.006 χ^2/NDF: 13627354.9/35

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

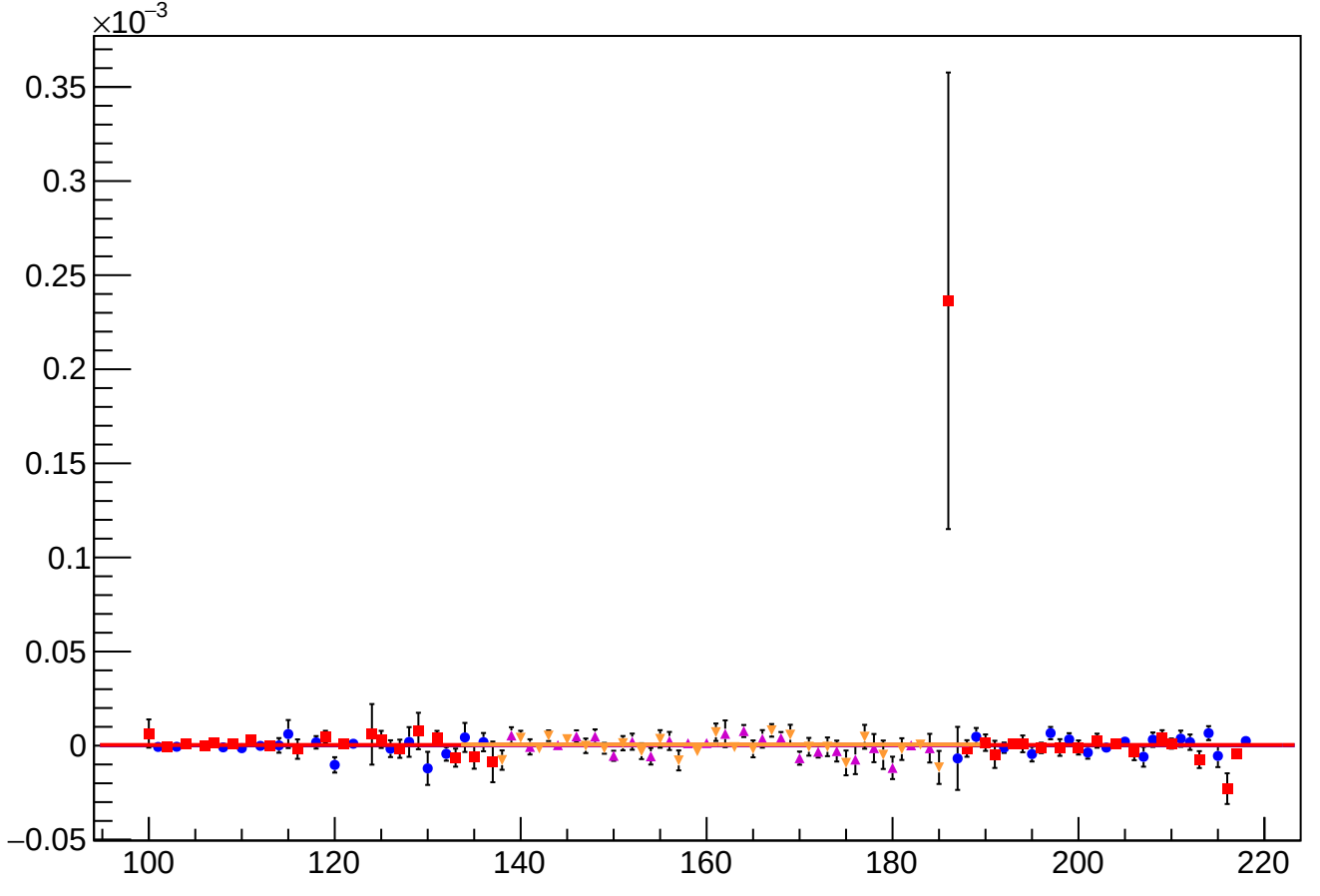
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 31.748+/-0.004 χ^2/NDF: 23767245.4/67

In: 40.840+/-0.005 χ^2/NDF:14731445.0/54

Out: 36.434+/-0.005 χ^2/NDF:21329574.9/60

All: 38.459+/-0.004 χ^2/NDF: 36435849.7/115



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: 36.4/35

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

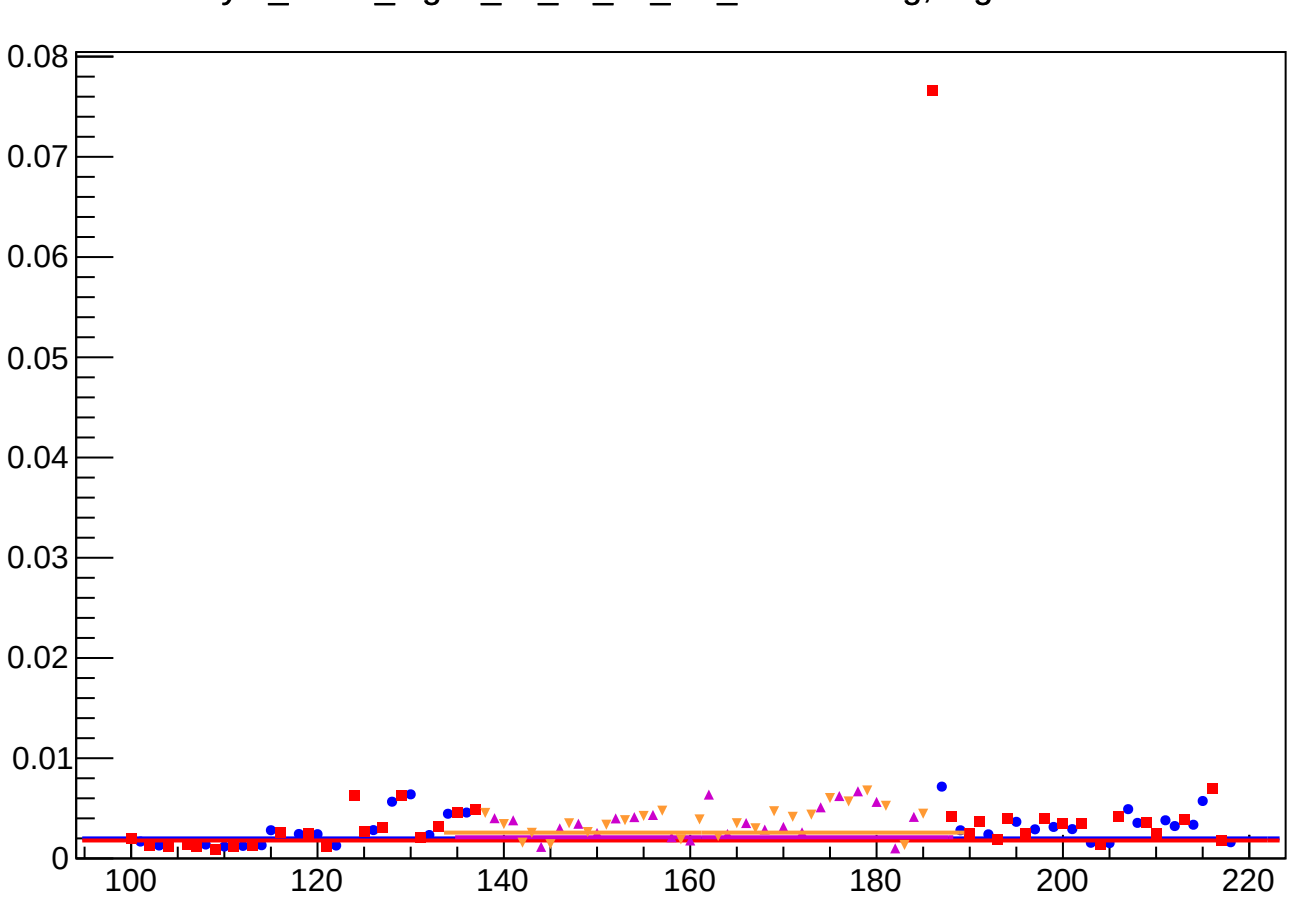
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 68.1/67

In: 0.000+/-0.000 χ^2/NDF:62.6/54

Out: 0.000+/-0.000 χ^2/NDF:67.5/60

All: 0.000+/-0.000 χ^2/NDF: 130.2/115



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: 9848155.9/35

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

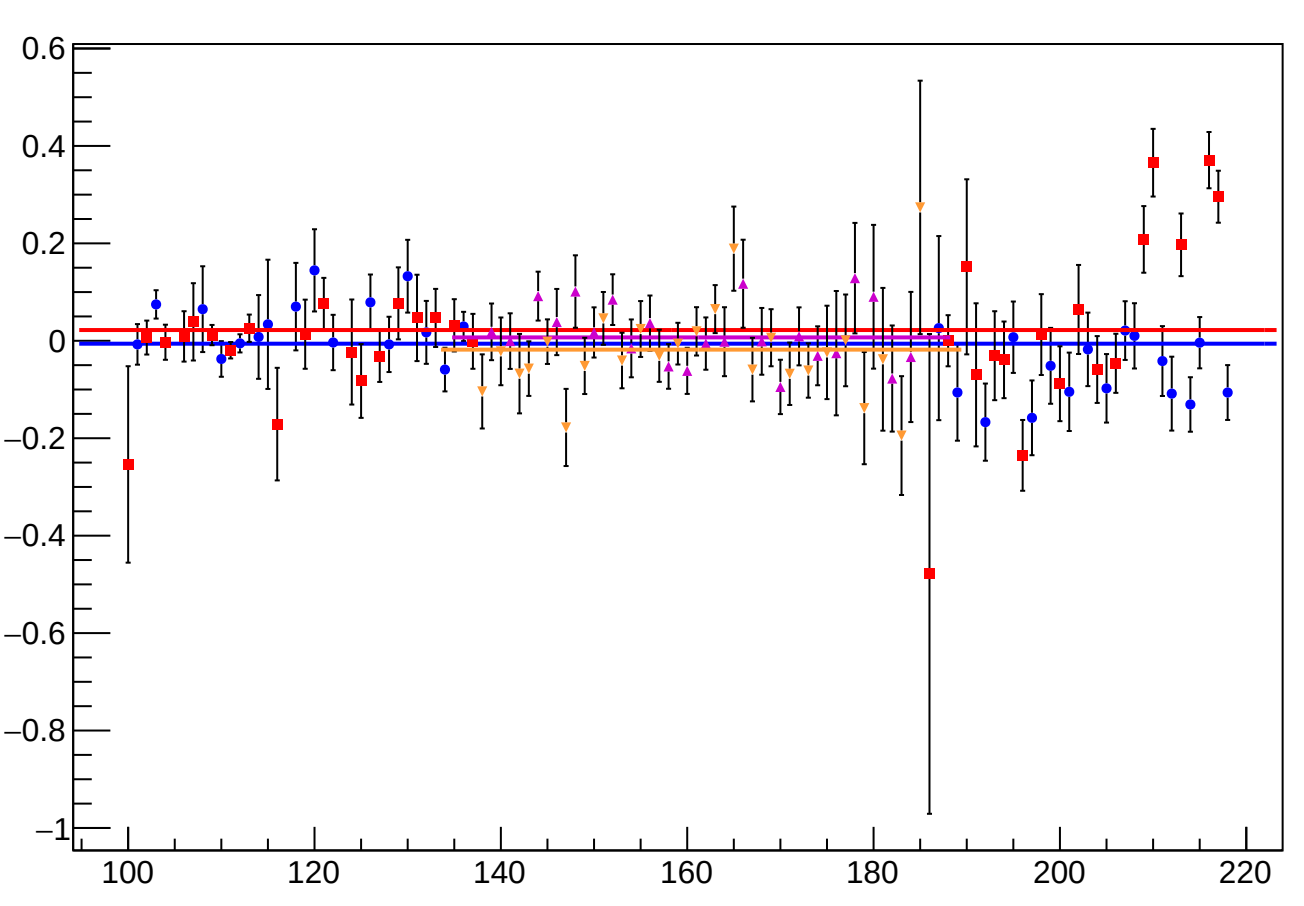
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 17492990.3/67

In: 0.002+/-0.000 χ^2/NDF:16997843.7/54

Out: 0.002+/-0.000 χ^2/NDF:18825125.2/60

All: 0.002+/-0.000 χ^2/NDF: 35823052.7/115



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: 0.022+/-0.008 χ^2/NDF: 139.4/35

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

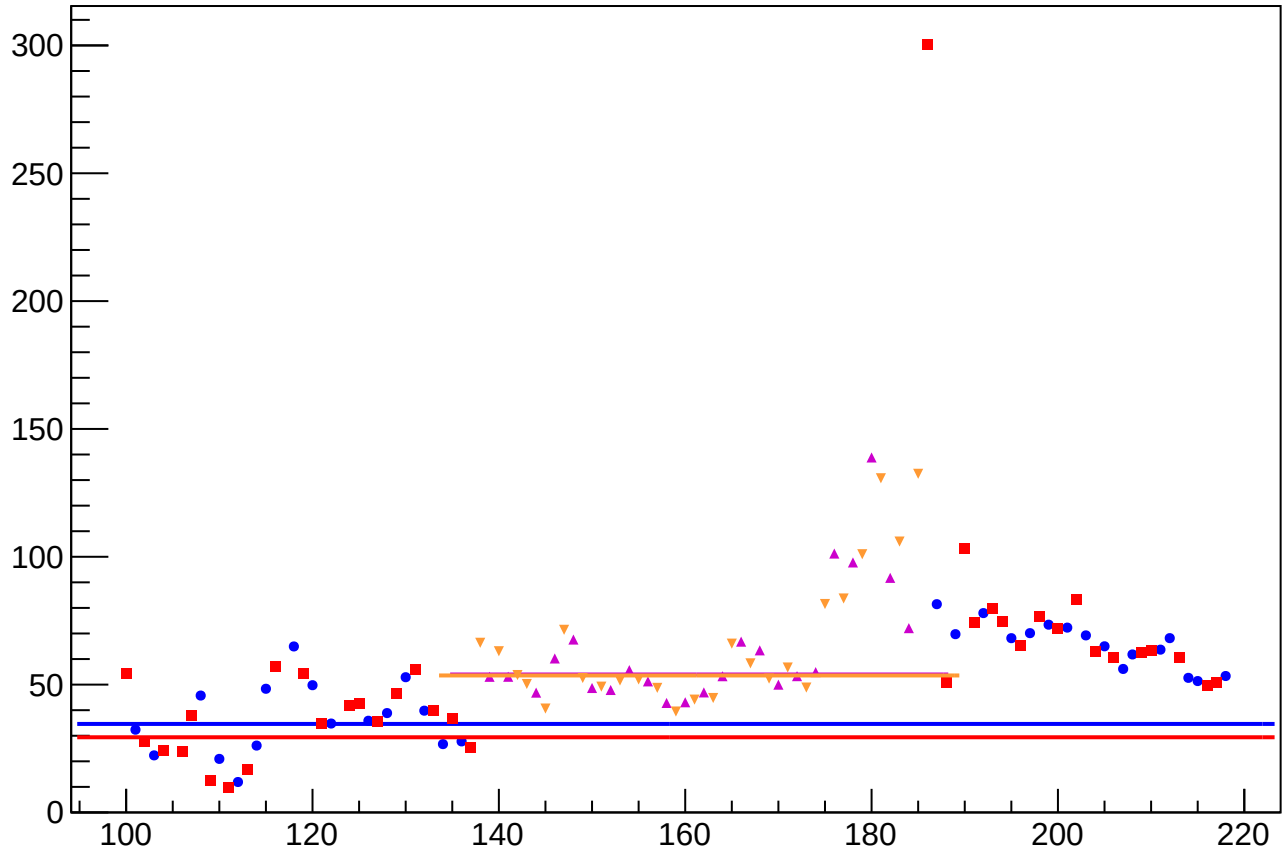
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.010+/-0.006 χ^2/NDF: 189.6/67

In: -0.002+/-0.007 χ^2/NDF:64.2/54

Out: 0.010+/-0.007 χ^2/NDF:170.8/60

All: 0.005+/-0.005 χ^2/NDF: 236.4/115



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: 29.407+/-0.006 χ^2/NDF: 13627559.9/35

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

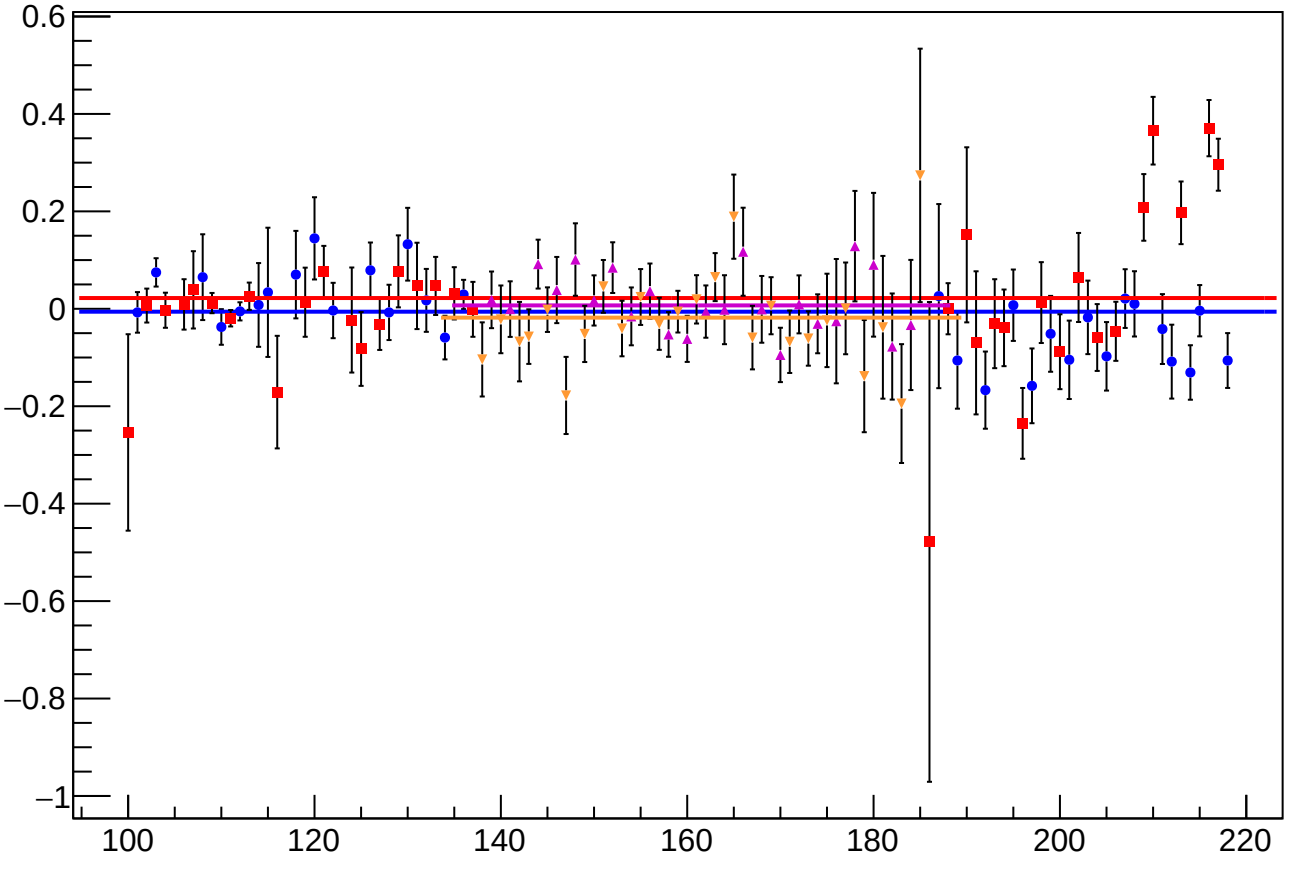
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 31.748+/-0.004 χ^2/NDF: 23767630.3/67

In: 40.839+/-0.005 χ^2/NDF:14731957.7/54

Out: 36.433+/-0.005 χ^2/NDF:21330271.4/60

All: 38.459+/-0.004 χ^2/NDF: 36437088.7/115



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: 0.022+/-0.008 χ^2/NDF: 139.4/35

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

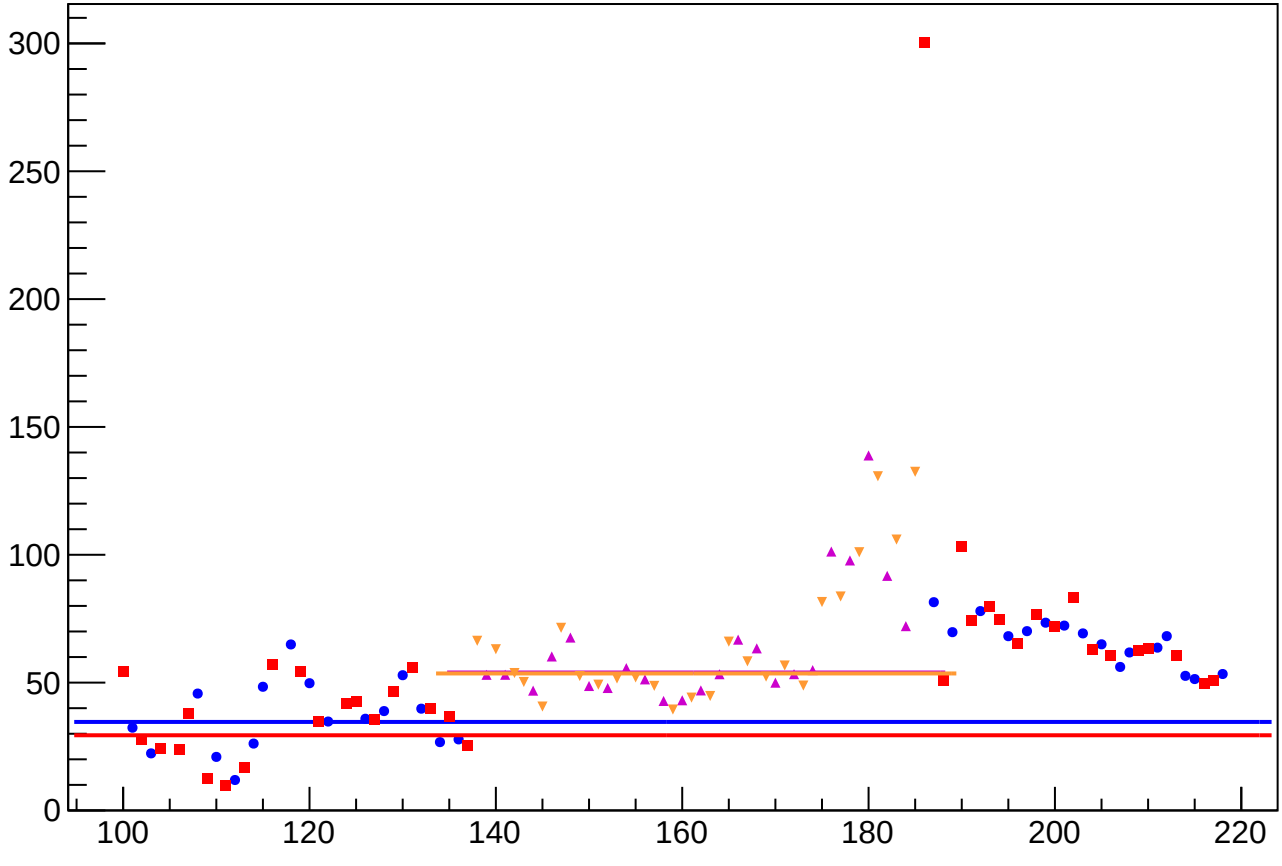
Right: 0.010+/-0.006 χ^2/NDF: 189.6/67

In: -0.002+/-0.007 χ^2/NDF:64.2/54

Out: 0.010+/-0.007 χ^2/NDF:170.8/60

All: 0.005+/-0.005 χ^2/NDF: 236.4/115

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: 29.407+/-0.006 χ^2/NDF: 13627559.9/35

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

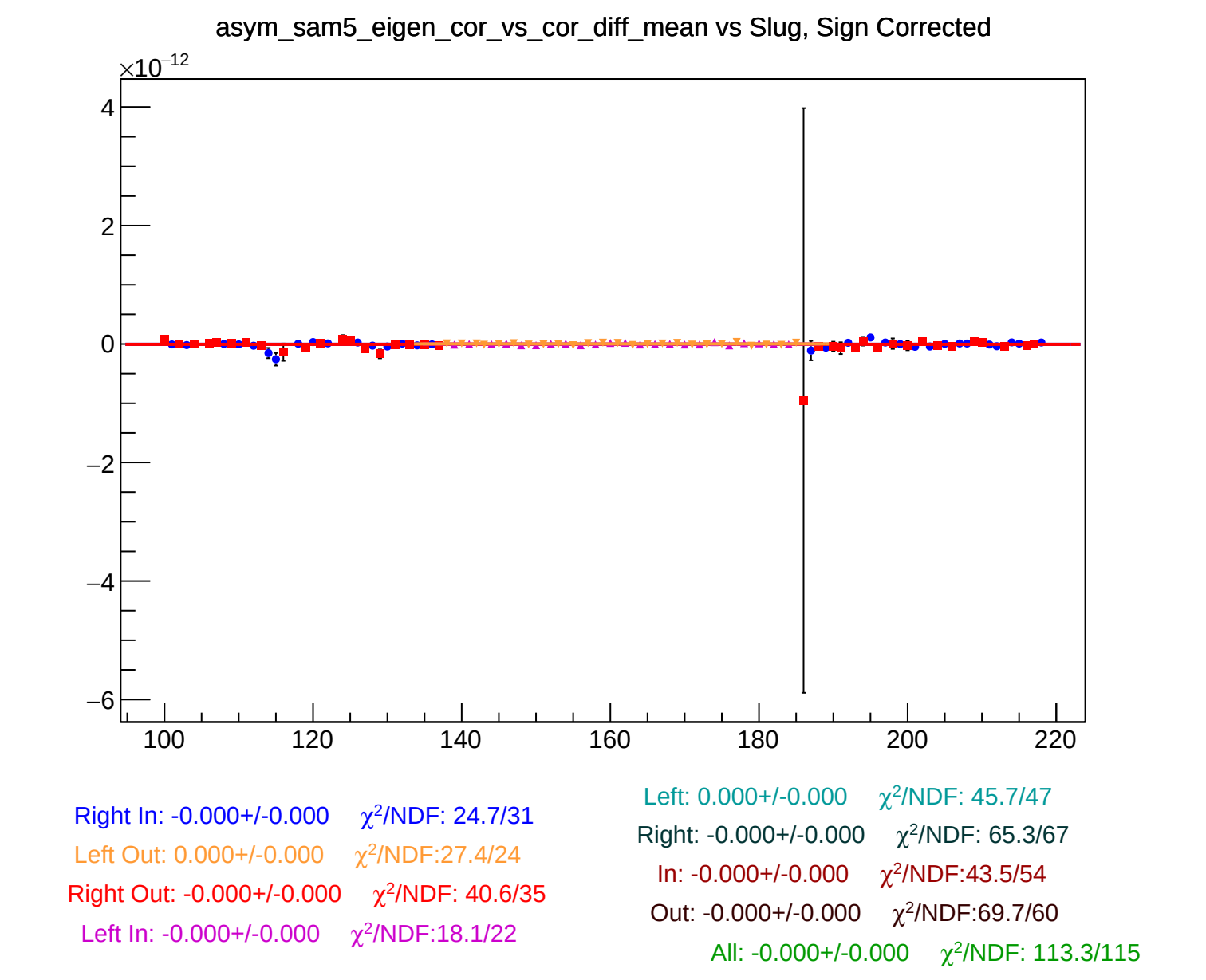
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

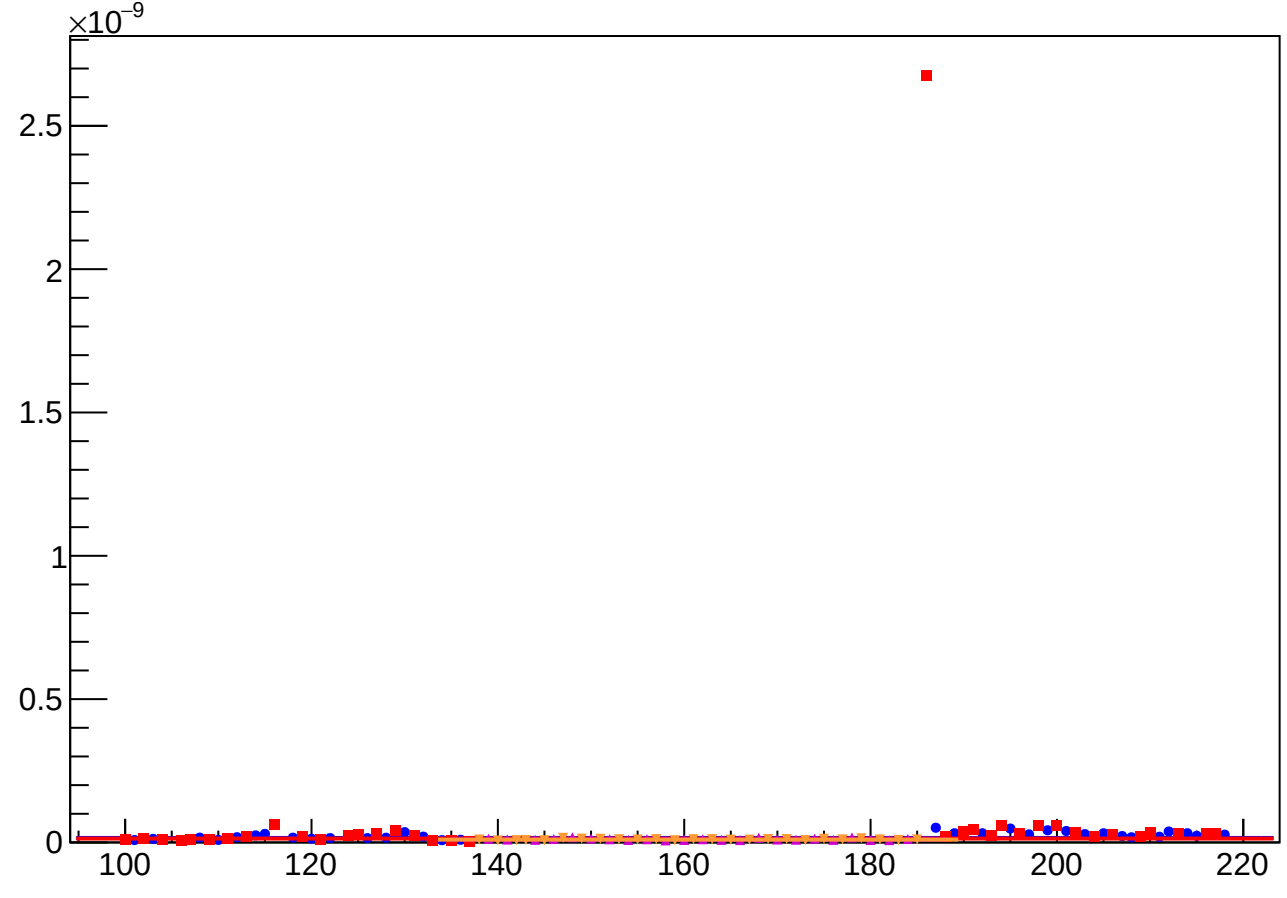
Right: 31.748+/-0.004 χ^2/NDF: 23767630.3/67

In: 40.839+/-0.005 χ^2/NDF:14731957.7/54

Out: 36.433+/-0.005 χ^2/NDF:21330271.4/60

All: 38.459+/-0.004 χ^2/NDF: 36437088.7/115


asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 24.7/31
Left Out: 0.000+/-0.000 χ²/NDF:27.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 40.6/35
Left In: -0.000+/-0.000 χ²/NDF:18.1/22
Left: 0.000+/-0.000 χ²/NDF: 45.7/47
Right: -0.000+/-0.000 χ²/NDF: 65.3/67
In: -0.000+/-0.000 χ²/NDF:43.5/54
Out: -0.000+/-0.000 χ²/NDF:69.7/60
All: -0.000+/-0.000 χ²/NDF: 113.3/115



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: 9761087.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

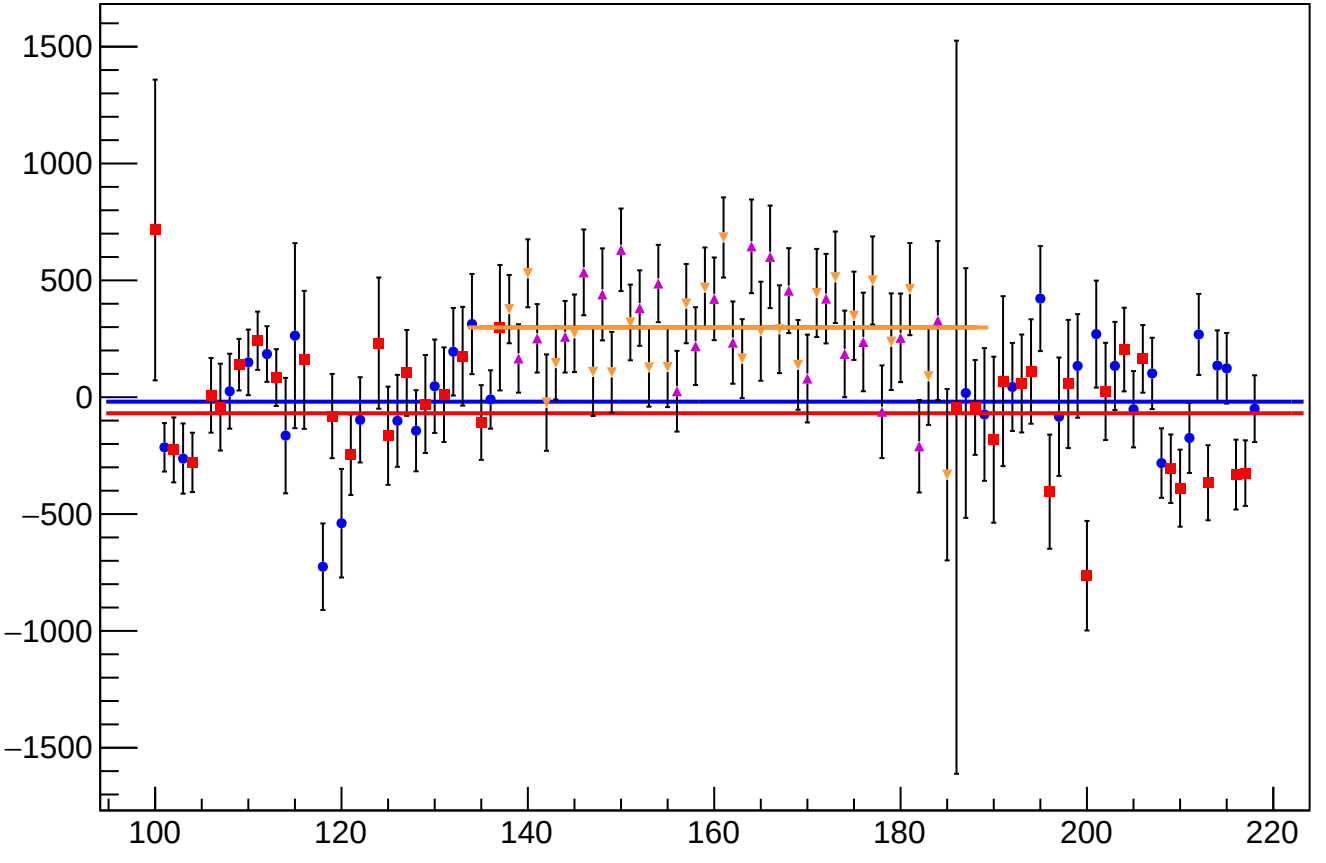
Right: 0.000+/-0.000 χ^2/NDF: 16204687.3/67

In: 0.000+/-0.000 χ^2/NDF:9356764.1/54

Out: 0.000+/-0.000 χ^2/NDF:11919743.6/60

All: 0.000+/-0.000 χ^2/NDF: 21379206.3/115

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: -68.556+/-29.973 χ^2/NDF: 57.9/35

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

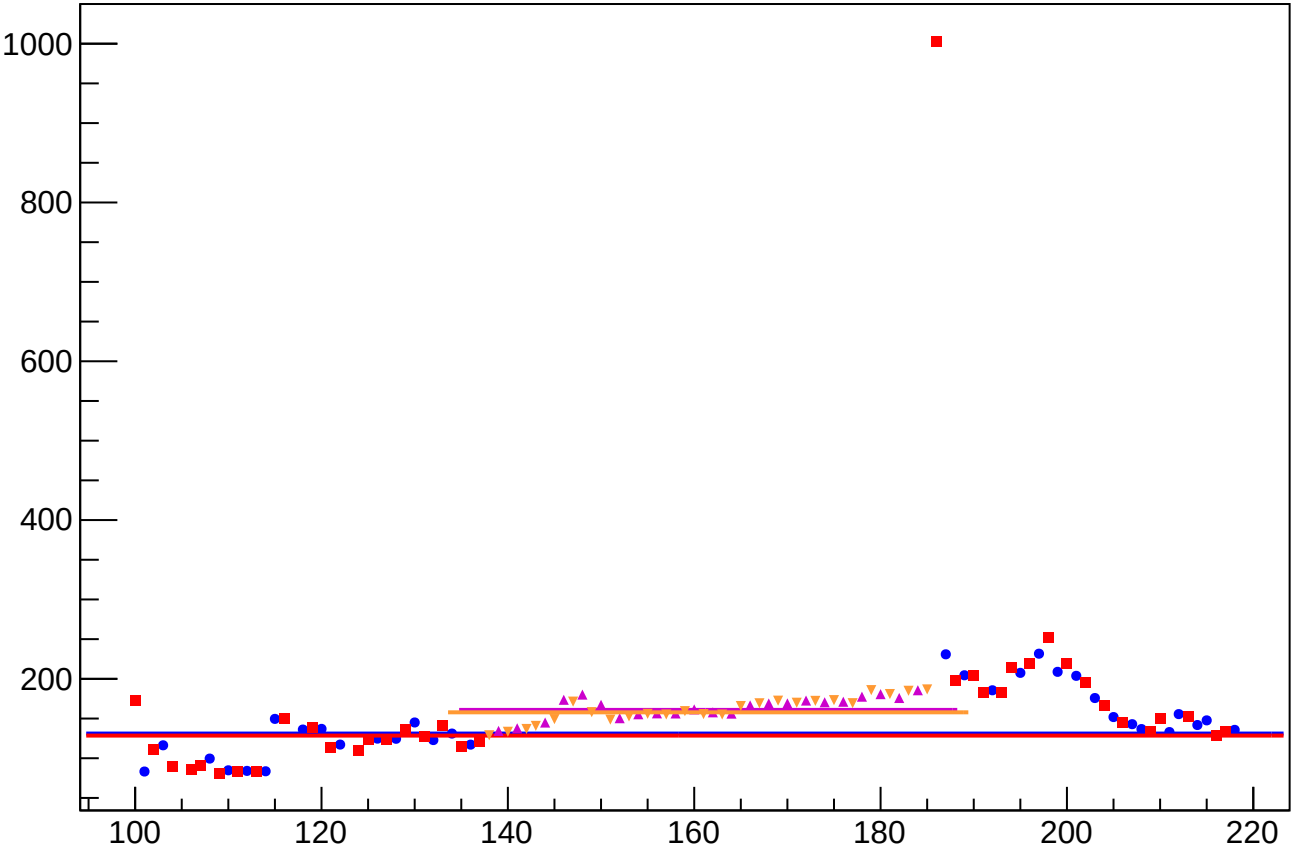
Right: -44.121+/-21.334 χ^2/NDF: 111.4/67

In: 105.909+/-23.659 χ^2/NDF:124.6/54

Out: 81.473+/-23.048 χ^2/NDF:145.2/60

All: 93.371+/-16.509 χ^2/NDF: 270.4/115

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: 128.534+/-0.021 χ^2/NDF: 4249622.3/35

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

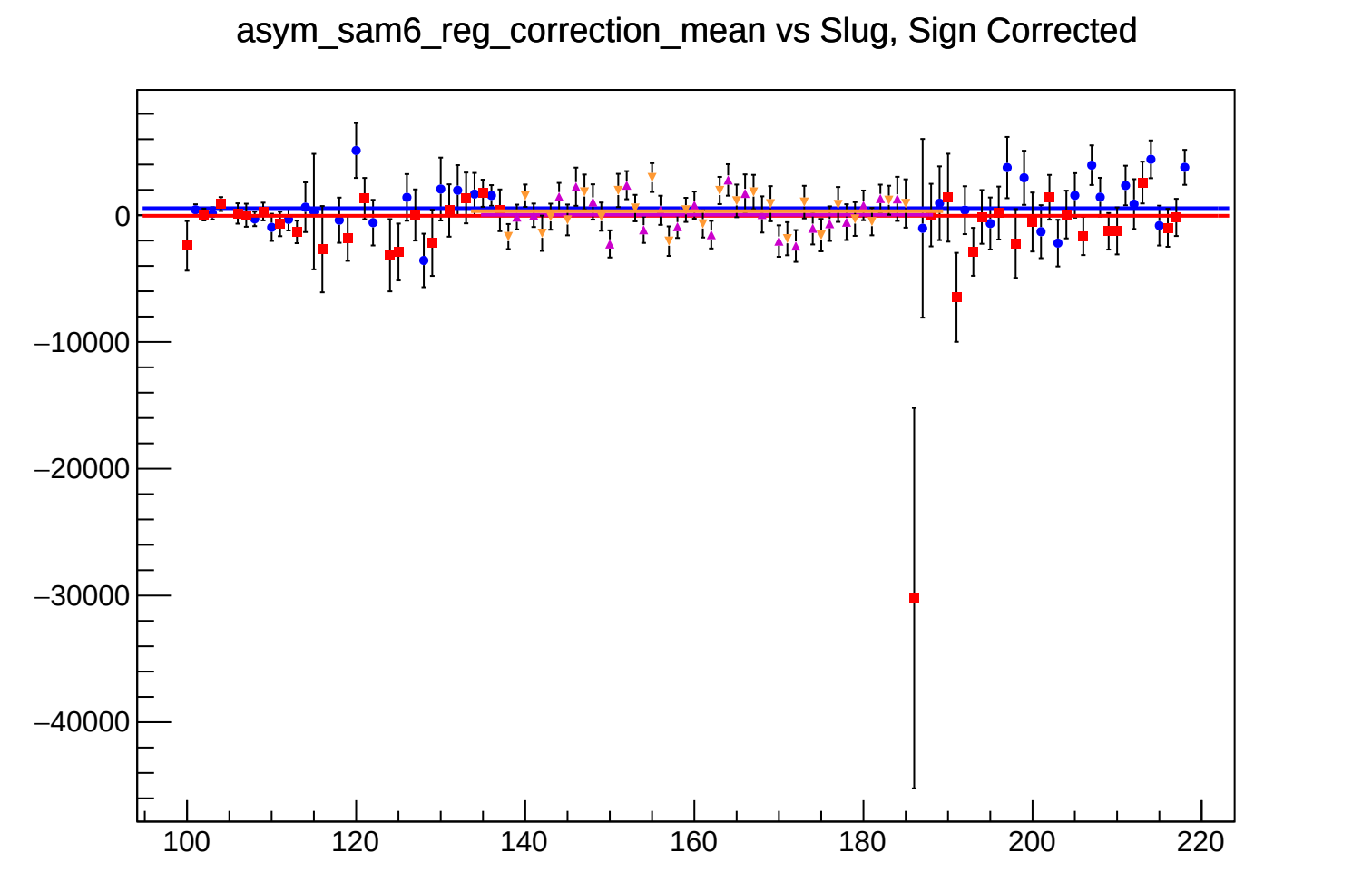
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 129.788+/-0.015 χ^2/NDF: 7047738.9/67

In: 142.794+/-0.017 χ^2/NDF:3816402.4/54

Out: 140.511+/-0.016 χ^2/NDF:5408072.9/60

All: 141.623+/-0.012 χ^2/NDF: 9234035.6/115



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: -45.431+/-208.371 χ^2/NDF: 32.7/35

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

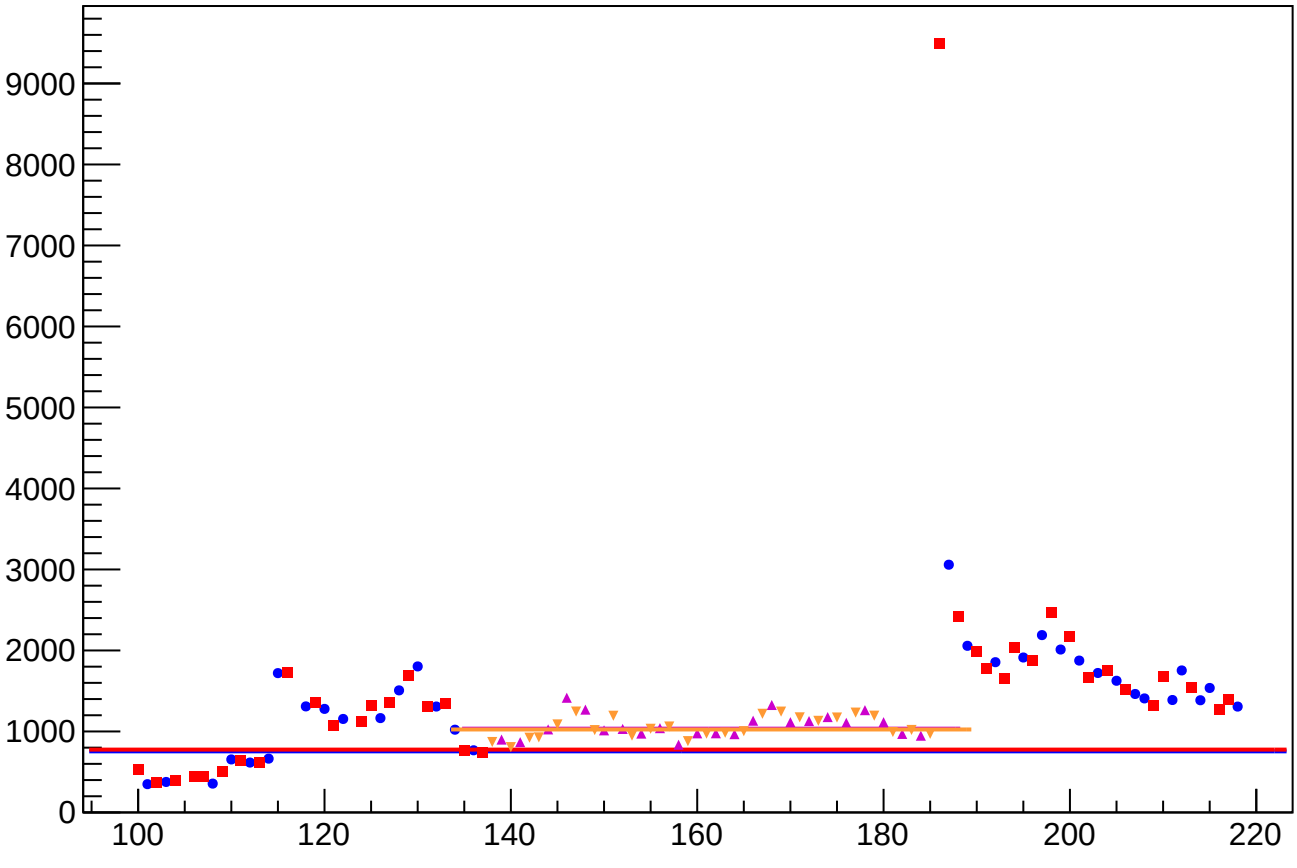
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 257.870+/-146.469 χ^2/NDF: 81.0/67

In: 340.070+/-157.414 χ^2/NDF:81.5/54

Out: 115.328+/-155.933 χ^2/NDF:66.6/60

All: 226.637+/-110.781 χ^2/NDF: 149.1/115



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: 775.941+/-0.147 χ^2/NDF: 13235384.7/35

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

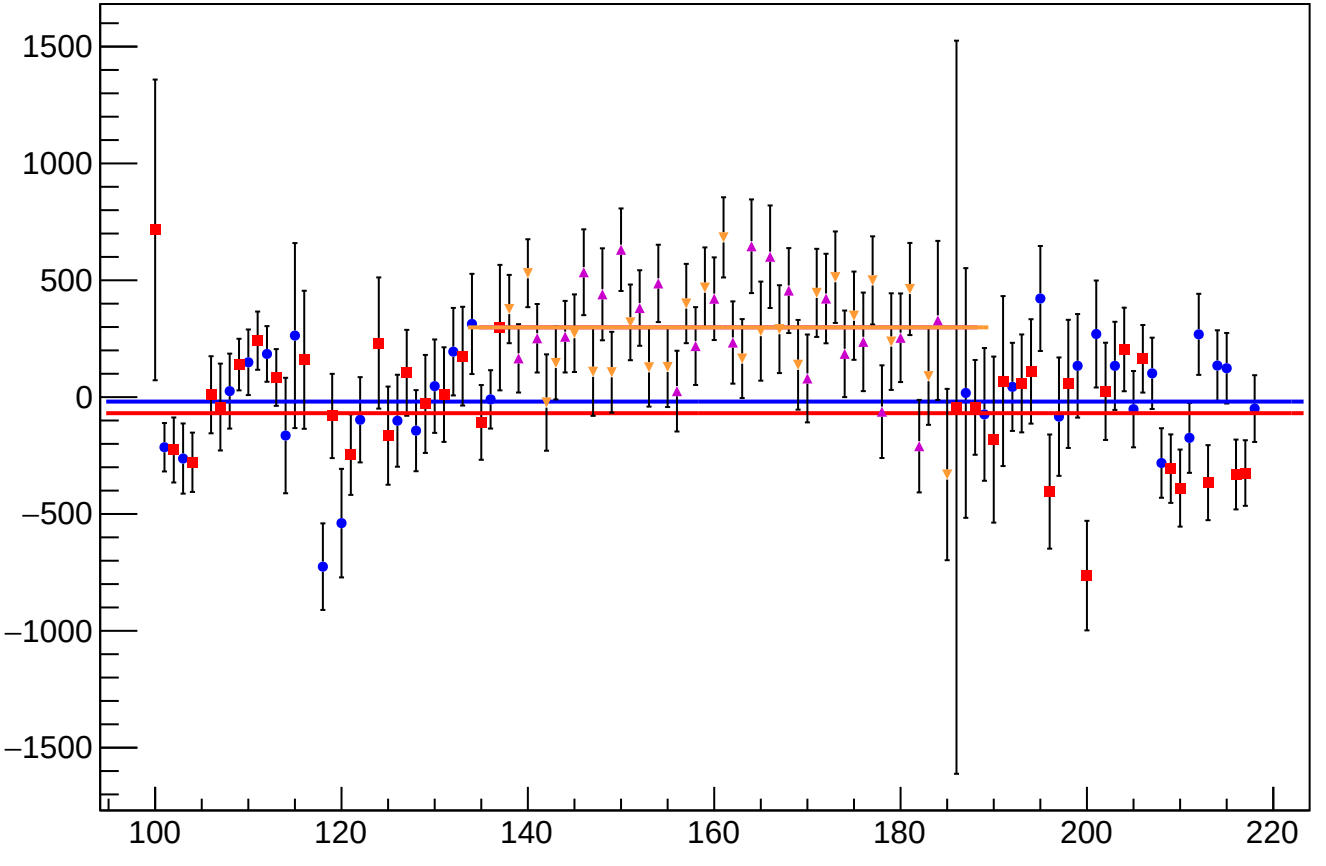
Right: 765.091+/-0.104 χ^2/NDF: 26429847.7/67

In: 870.854+/-0.111 χ^2/NDF:15348473.6/54

Out: 885.299+/-0.110 χ^2/NDF:15085071.0/60

All: 878.145+/-0.078 χ^2/NDF: 30442044.1/11

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: -68.672+/-30.005 χ^2/NDF: 57.9/35

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

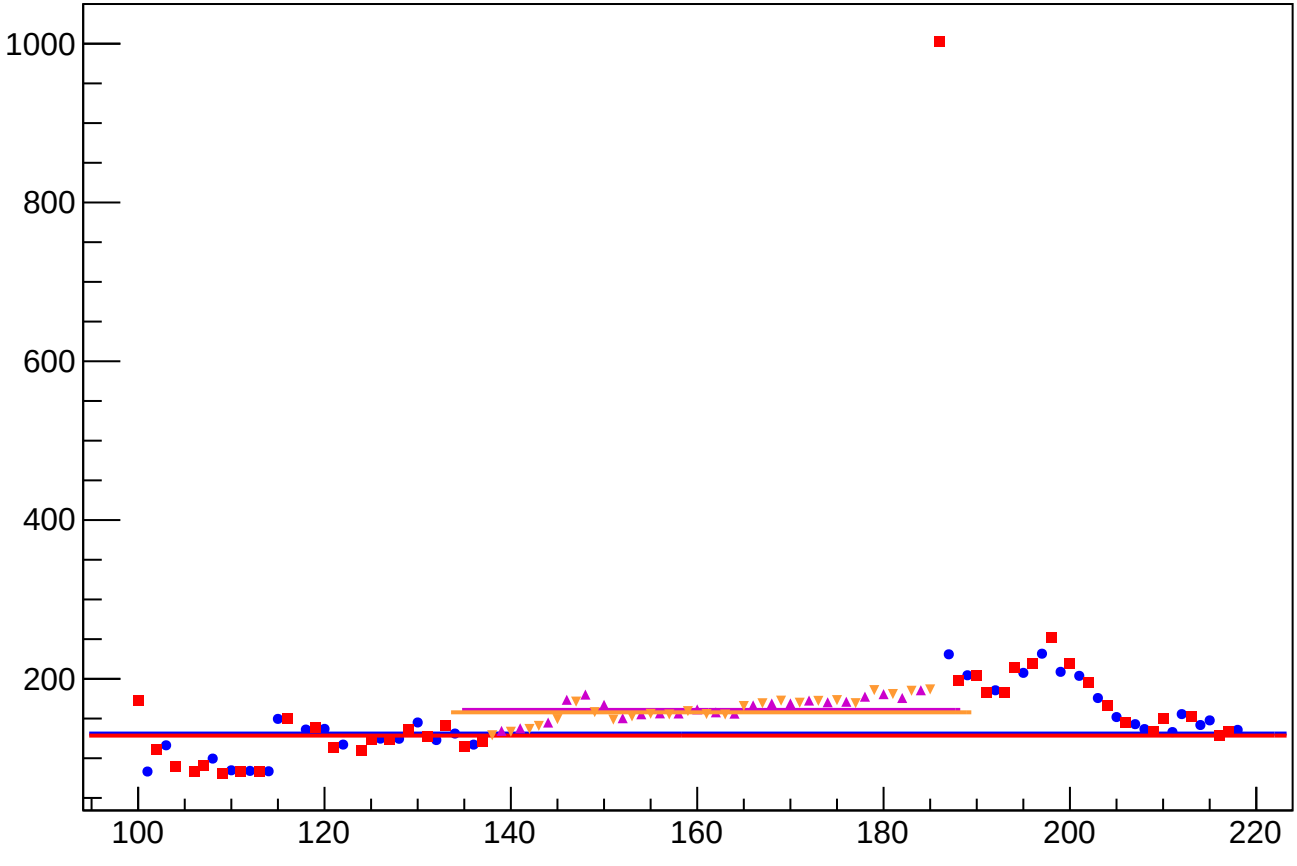
Right: -44.160+/-21.346 χ^2/NDF: 111.4/67

In: 105.905+/-23.659 χ^2/NDF:124.6/54

Out: 81.595+/-23.062 χ^2/NDF:145.2/60

All: 93.439+/-16.514 χ^2/NDF: 270.3/115

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: 128.522+/-0.021 χ^2/NDF: 4261455.1/35

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

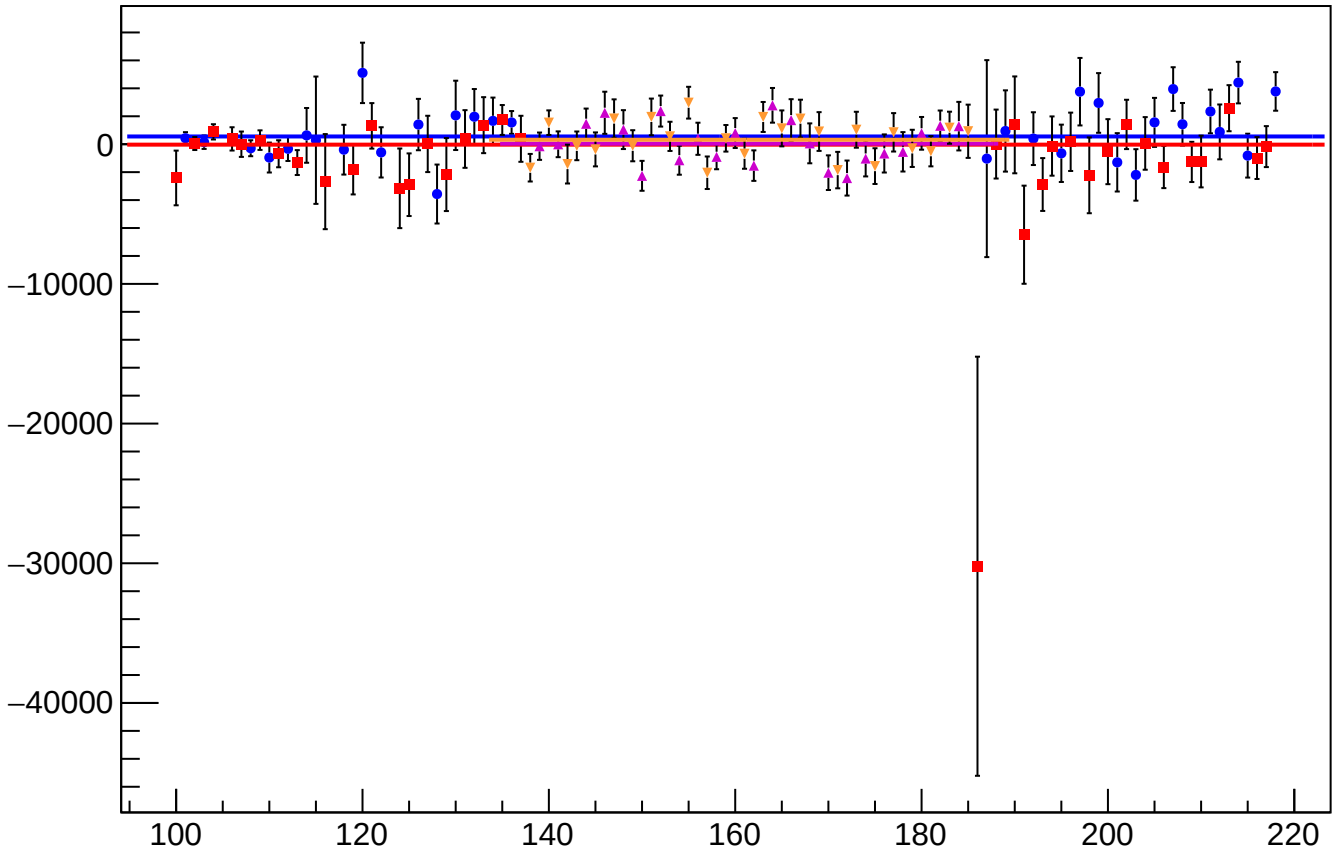
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 129.783+/-0.015 χ^2/NDF: 7059634.6/67

In: 142.794+/-0.017 χ^2/NDF:3816398.1/54

Out: 140.518+/-0.016 χ^2/NDF:5419911.0/60

All: 141.627+/-0.012 χ^2/NDF: 9245800.9/115



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: -31.689+/-208.823 χ^2/NDF: 32.9/35

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

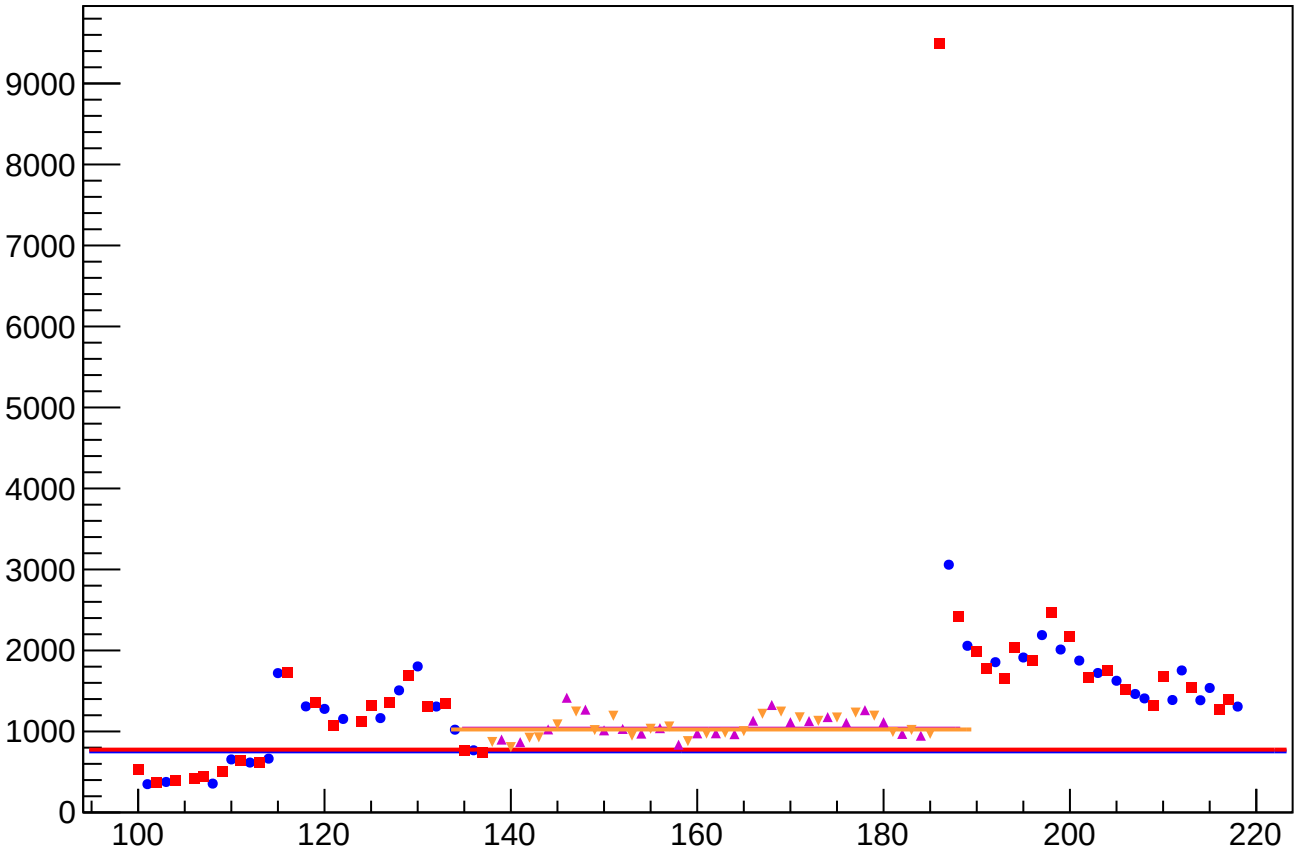
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 265.353+/-146.624 χ^2/NDF: 81.0/67

In: 340.134+/-157.412 χ^2/NDF:81.5/54

Out: 123.402+/-156.123 χ^2/NDF:66.7/60

All: 230.877+/-110.848 χ^2/NDF: 149.1/115



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: 775.600+/-0.148 χ^2/NDF: 13270918.8/35

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

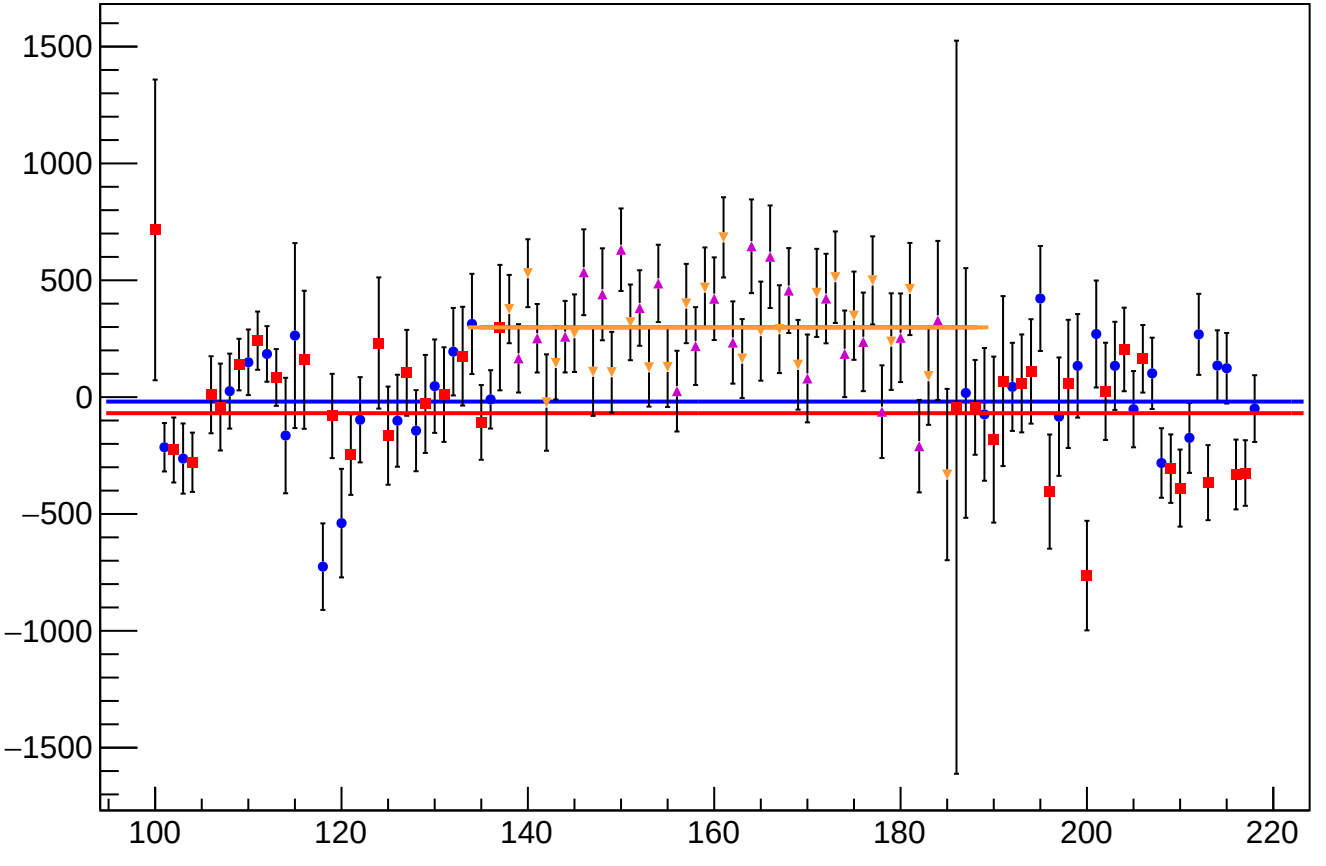
Right: 764.885+/-0.104 χ^2/NDF: 26465714.7/67

In: 870.835+/-0.111 χ^2/NDF:15349477.4/54

Out: 885.374+/-0.110 χ^2/NDF:15121641.4/60

All: 878.164+/-0.078 χ^2/NDF: 30479720.5/1

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: -68.672+/-30.005 χ^2/NDF: 57.9/35

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

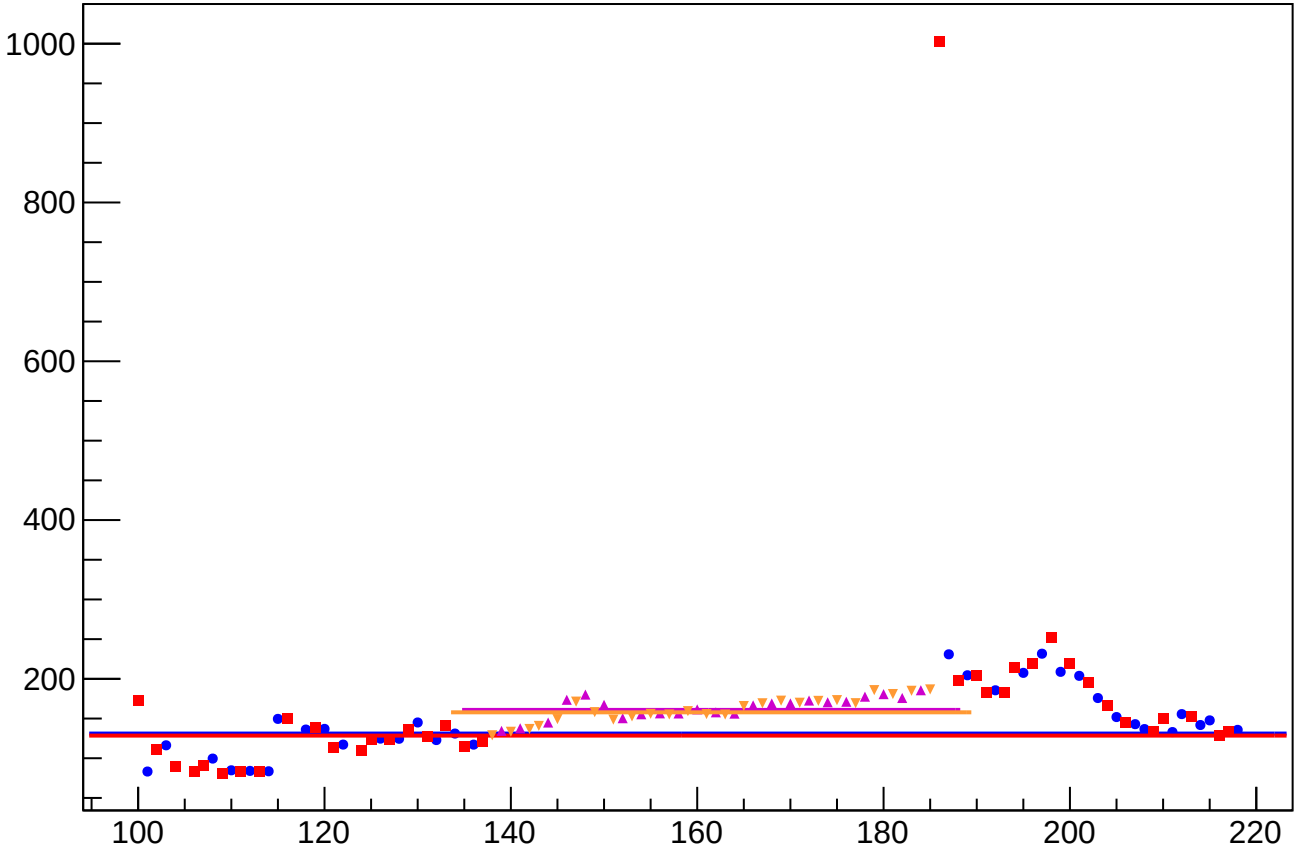
Right: -44.160+/-21.346 χ^2/NDF: 111.4/67

In: 105.905+/-23.659 χ^2/NDF:124.6/54

Out: 81.595+/-23.062 χ^2/NDF:145.2/60

All: 93.439+/-16.514 χ^2/NDF: 270.3/115

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: 128.522+/-0.021 χ^2/NDF: 4261455.1/35

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

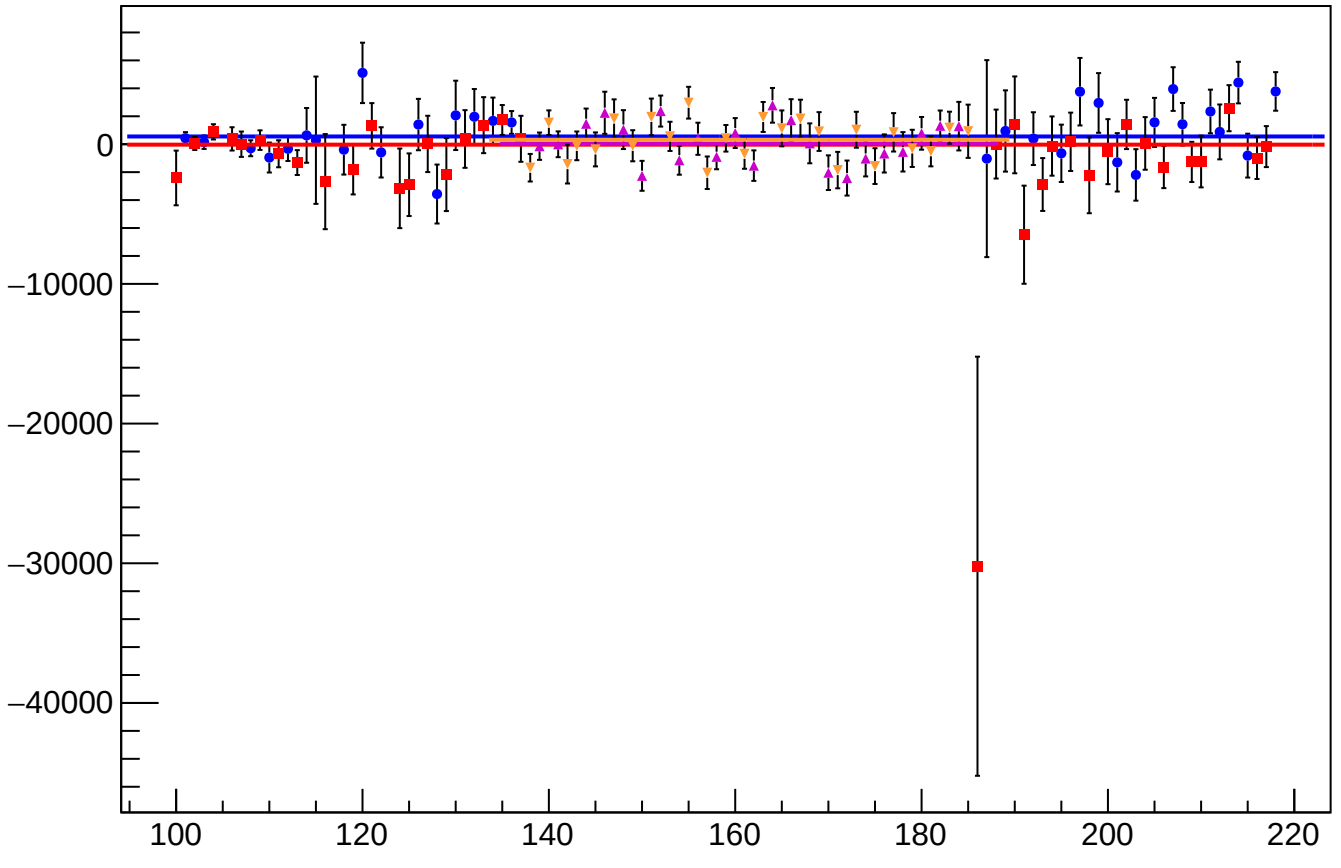
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 129.783+/-0.015 χ^2/NDF: 7059634.6/67

In: 142.794+/-0.017 χ^2/NDF:3816398.1/54

Out: 140.518+/-0.016 χ^2/NDF:5419911.0/60

All: 141.627+/-0.012 χ^2/NDF: 9245800.9/115



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: -31.689+/-208.823 χ^2/NDF: 32.9/35

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

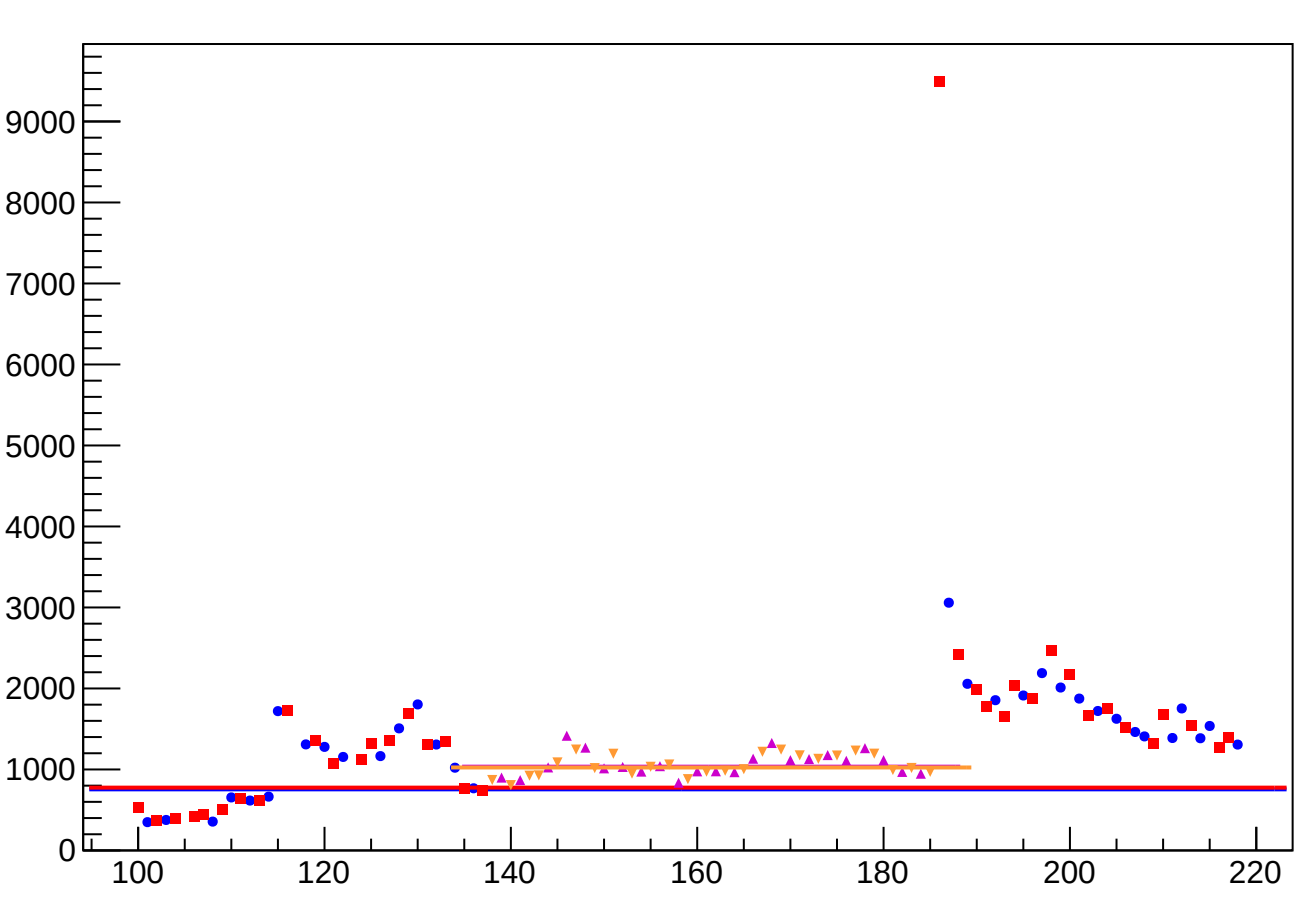
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 265.353+/-146.624 χ^2/NDF: 81.0/67

In: 340.134+/-157.412 χ^2/NDF:81.5/54

Out: 123.402+/-156.123 χ^2/NDF:66.7/60

All: 230.877+/-110.848 χ^2/NDF: 149.1/115



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: 775.600+/-0.148 χ^2/NDF: 13270918.8/35

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

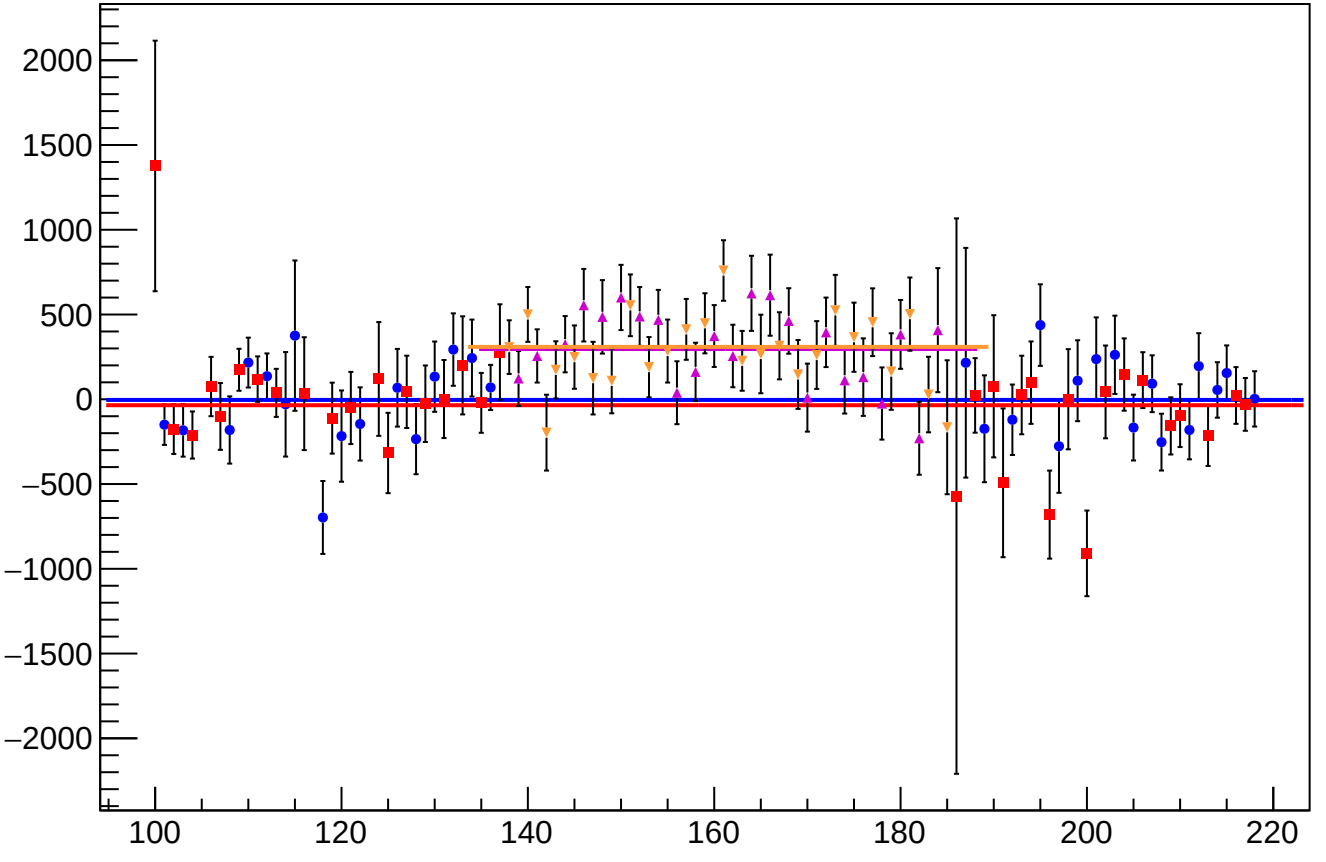
Right: 764.885+/-0.104 χ^2/NDF: 26465714.7/67

In: 870.835+/-0.111 χ^2/NDF:15349477.4/54

Out: 885.374+/-0.110 χ^2/NDF:15121641.4/60

All: 878.164+/-0.078 χ^2/NDF: 30479720.5/1

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: -35.031+/-33.682 χ^2/NDF: 38.3/35

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

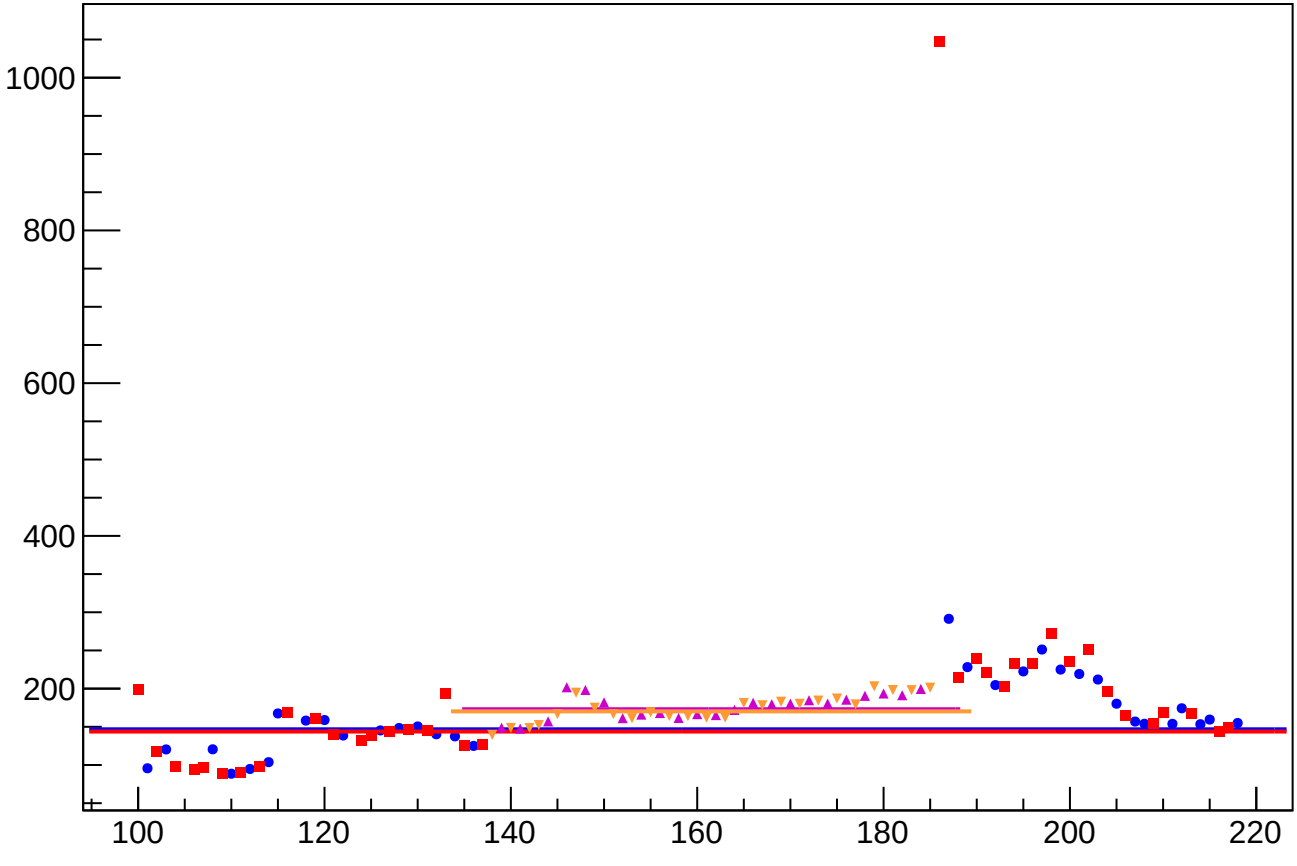
Right: -19.551+/-23.940 χ^2/NDF: 77.0/67

In: 120.139+/-26.084 χ^2/NDF:98.3/54

Out: 112.390+/-25.463 χ^2/NDF:108.5/60

All: 116.171+/-18.221 χ^2/NDF: 206.8/115

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: 143.800+/-0.024 χ^2/NDF: 4423418.4/35

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

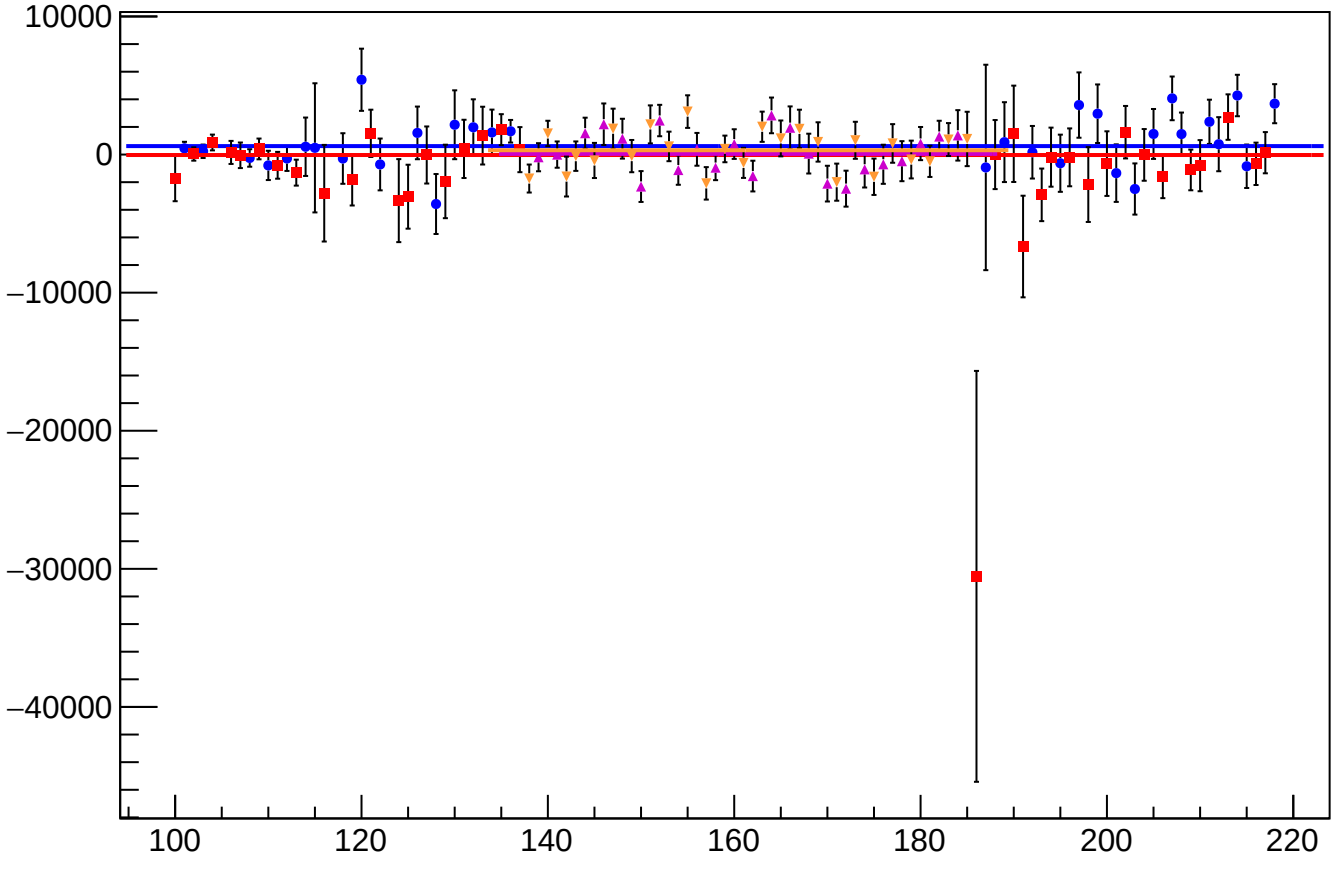
Right: 145.257+/-0.017 χ^2/NDF: 7166141.7/67

In: 157.588+/-0.018 χ^2/NDF:3520883.4/54

Out: 155.129+/-0.018 χ^2/NDF:5317801.5/60

All: 156.329+/-0.013 χ^2/NDF: 8847785.9/115

asym_sam6_dit_correction_mean vs Slug, Sign Corrected



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: -33.047+/-215.011 χ^2/NDF: 31.6/35

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

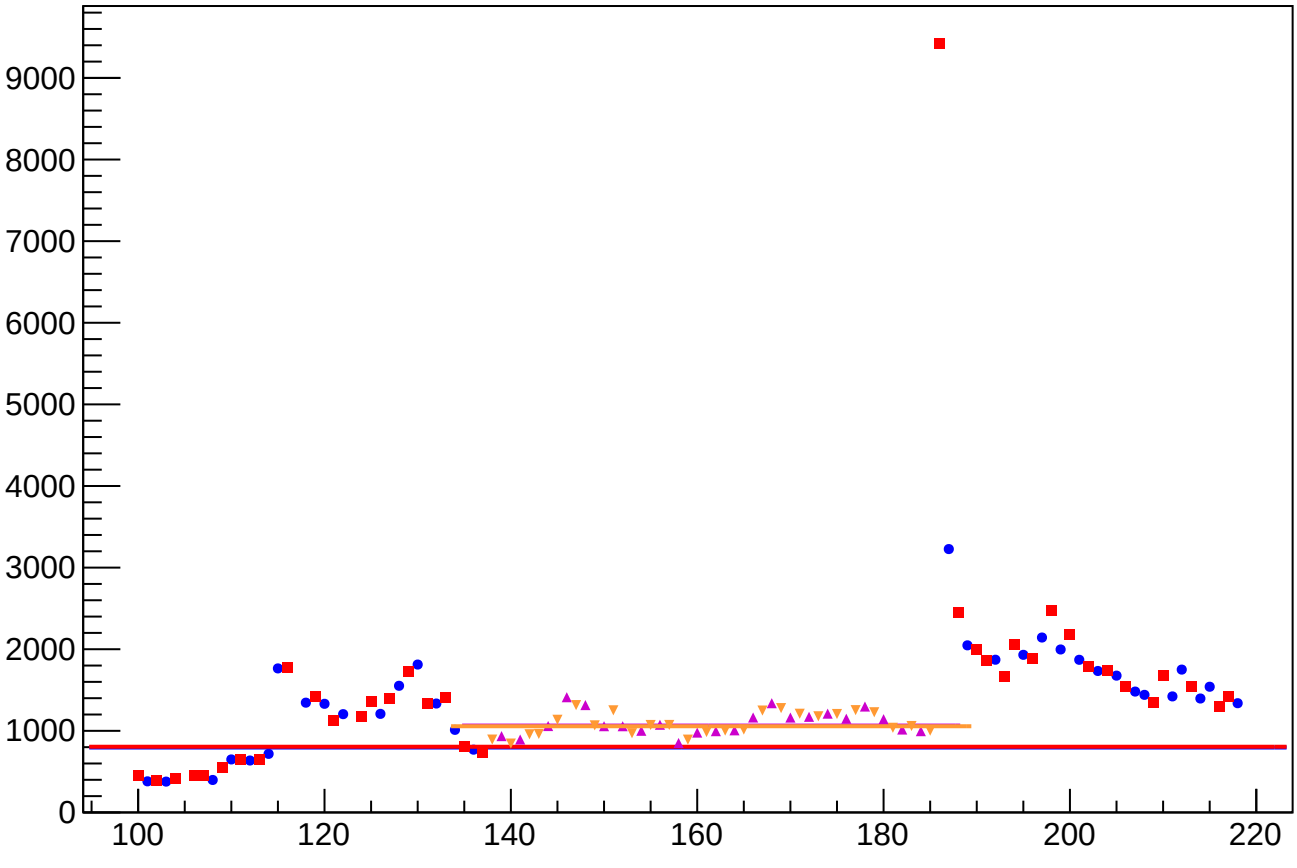
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 291.188+/-151.692 χ^2/NDF: 78.6/67

In: 374.785+/-162.933 χ^2/NDF:79.8/54

Out: 119.611+/-160.852 χ^2/NDF:65.6/60

All: 245.558+/-114.468 χ^2/NDF: 146.7/115



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: 805.224+/-0.152 χ^2/NDF: 12974064.4/35

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

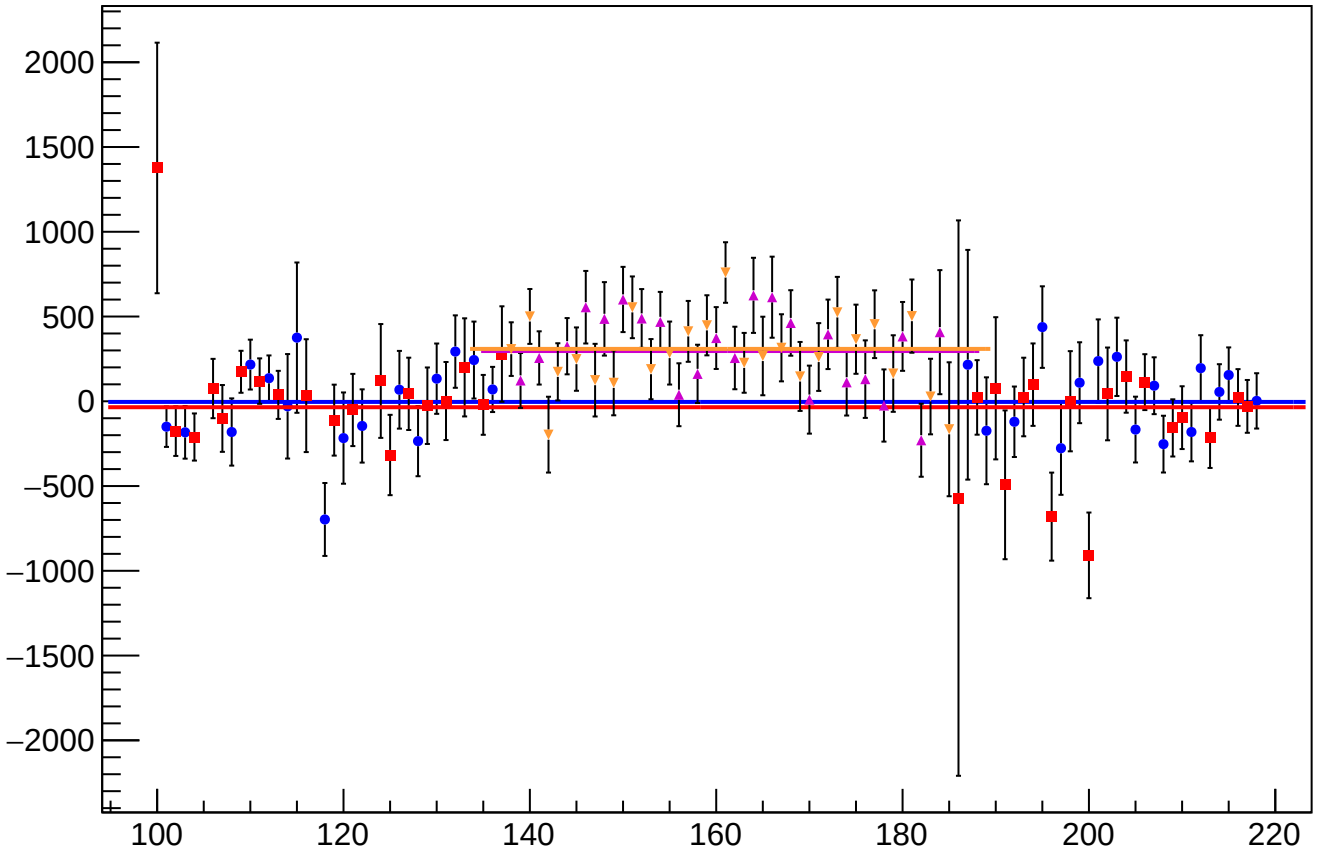
Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

Right: 800.407+/-0.107 χ^2/NDF: 25410041.7/67

In: 908.781+/-0.115 χ^2/NDF:14374050.9/54

Out: 915.793+/-0.114 χ^2/NDF:14785920.6/60

All: 912.332+/-0.081 χ^2/NDF: 29161847.3/11



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: -35.030+/-33.682 χ^2/NDF: 38.3/35

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

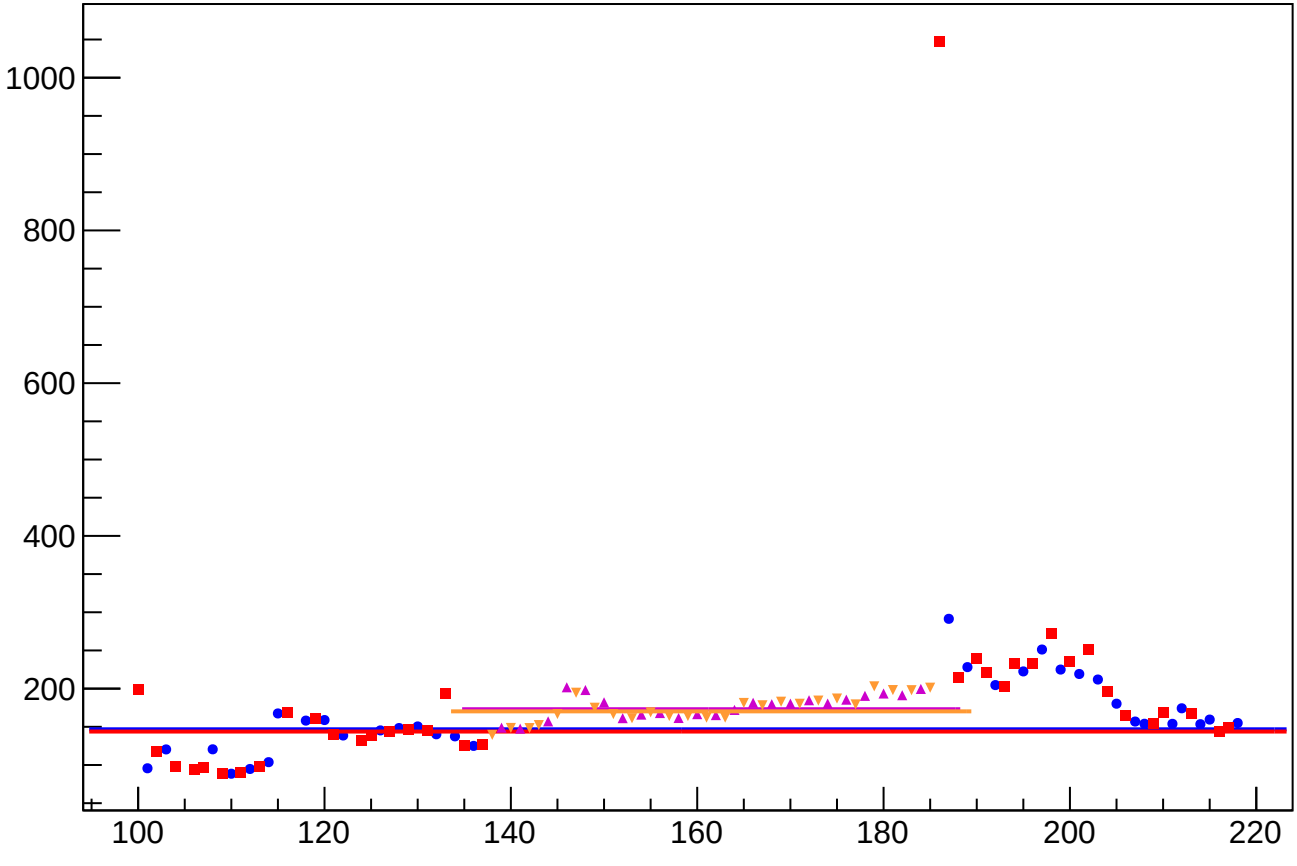
Right: -19.551+/-23.940 χ^2/NDF: 77.0/67

In: 120.139+/-26.084 χ^2/NDF:98.3/54

Out: 112.391+/-25.463 χ^2/NDF:108.5/60

All: 116.171+/-18.221 χ^2/NDF: 206.8/115

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: 143.799+/-0.024 χ^2/NDF: 4423425.8/35

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

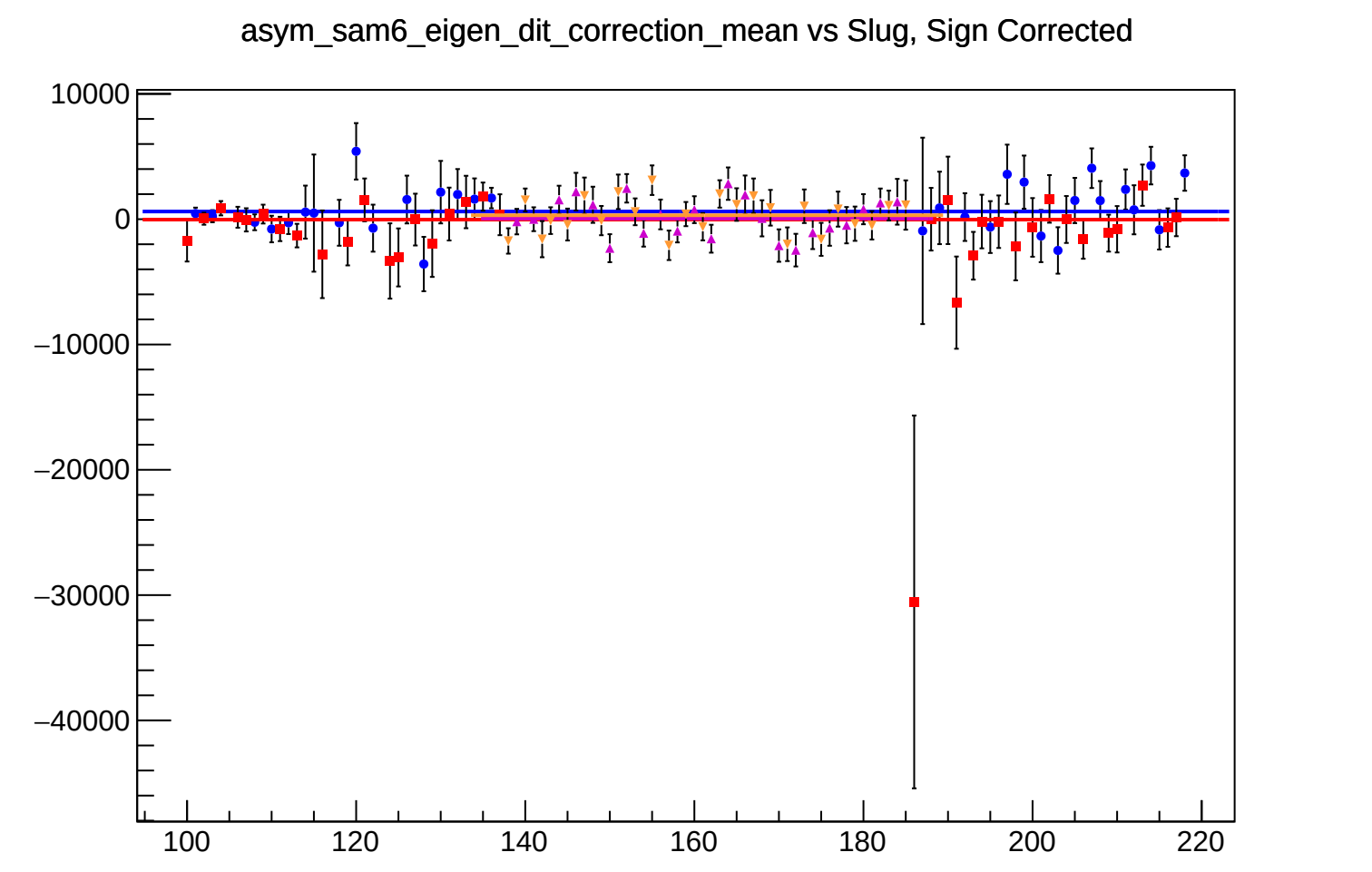
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 145.256+/-0.017 χ^2/NDF: 7166169.1/67

In: 157.587+/-0.018 χ^2/NDF:3520906.2/54

Out: 155.128+/-0.018 χ^2/NDF:5317810.6/60

All: 156.328+/-0.013 χ^2/NDF: 8847817.8/115



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: -33.046+/-215.011 χ^2/NDF: 31.6/35

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

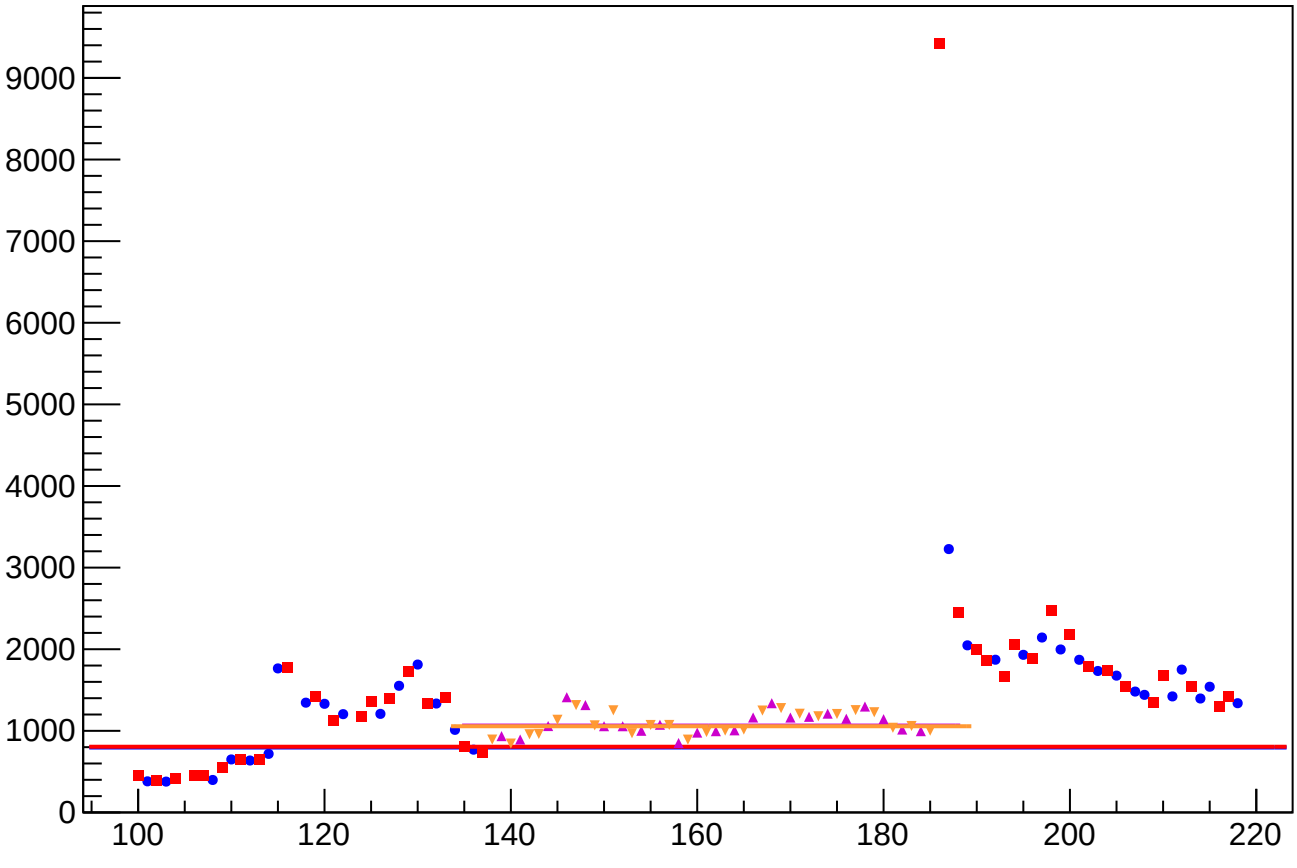
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 291.188+/-151.691 χ^2/NDF: 78.6/67

In: 374.785+/-162.933 χ^2/NDF:79.8/54

Out: 119.612+/-160.852 χ^2/NDF:65.6/60

All: 245.558+/-114.468 χ^2/NDF: 146.7/115



Right In: 795.633+/-0.151 χ^2/NDF: 12433996.3/31

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 805.223+/-0.152 χ^2/NDF: 12974072.0/35

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

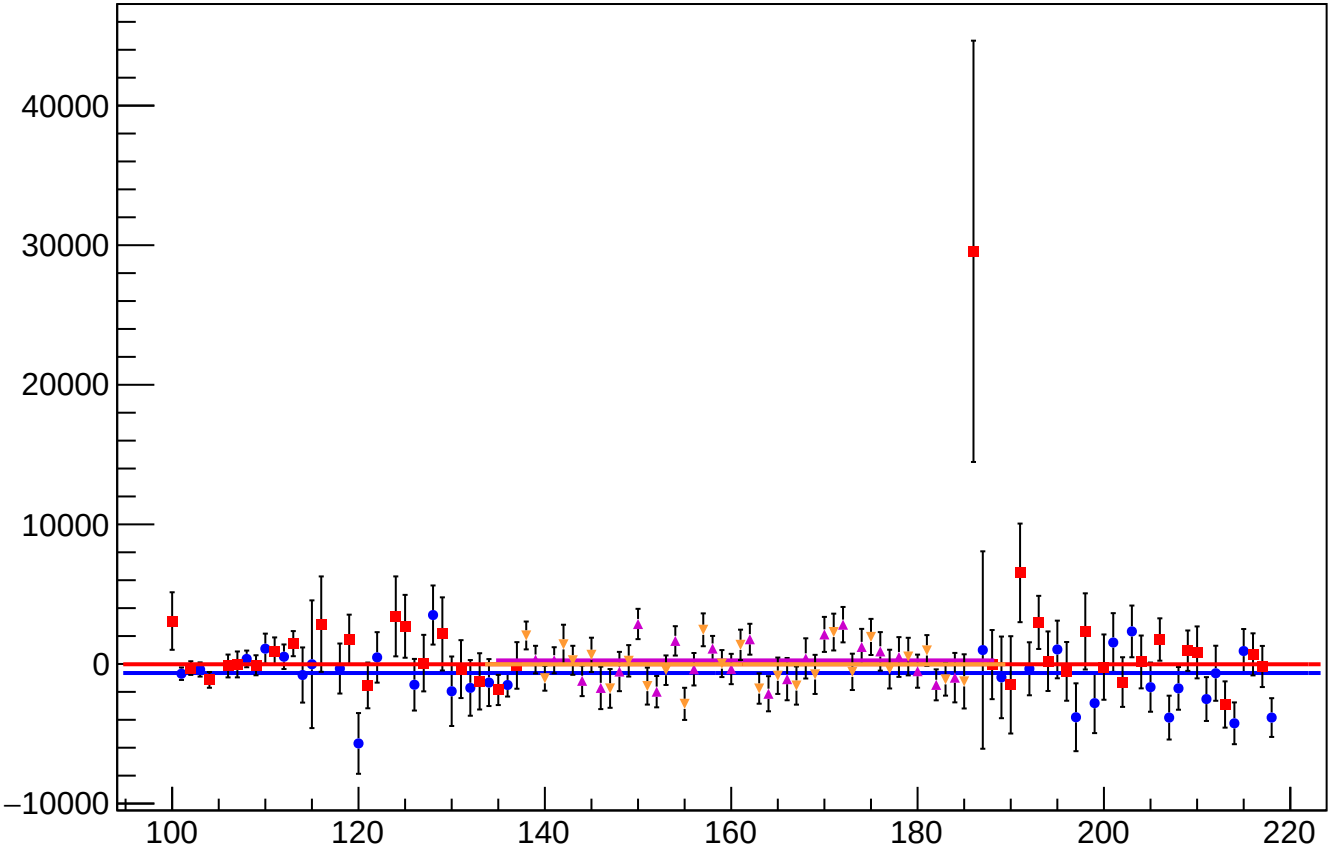
Right: 800.406+/-0.107 χ^2/NDF: 25410066.8/67

In: 908.781+/-0.115 χ^2/NDF:14374082.3/54

Out: 915.793+/-0.114 χ^2/NDF:14785942.1/60

All: 912.332+/-0.081 χ^2/NDF: 29161900.3/11

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: -21.597+/-212.967 χ^2/NDF: 36.2/35

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

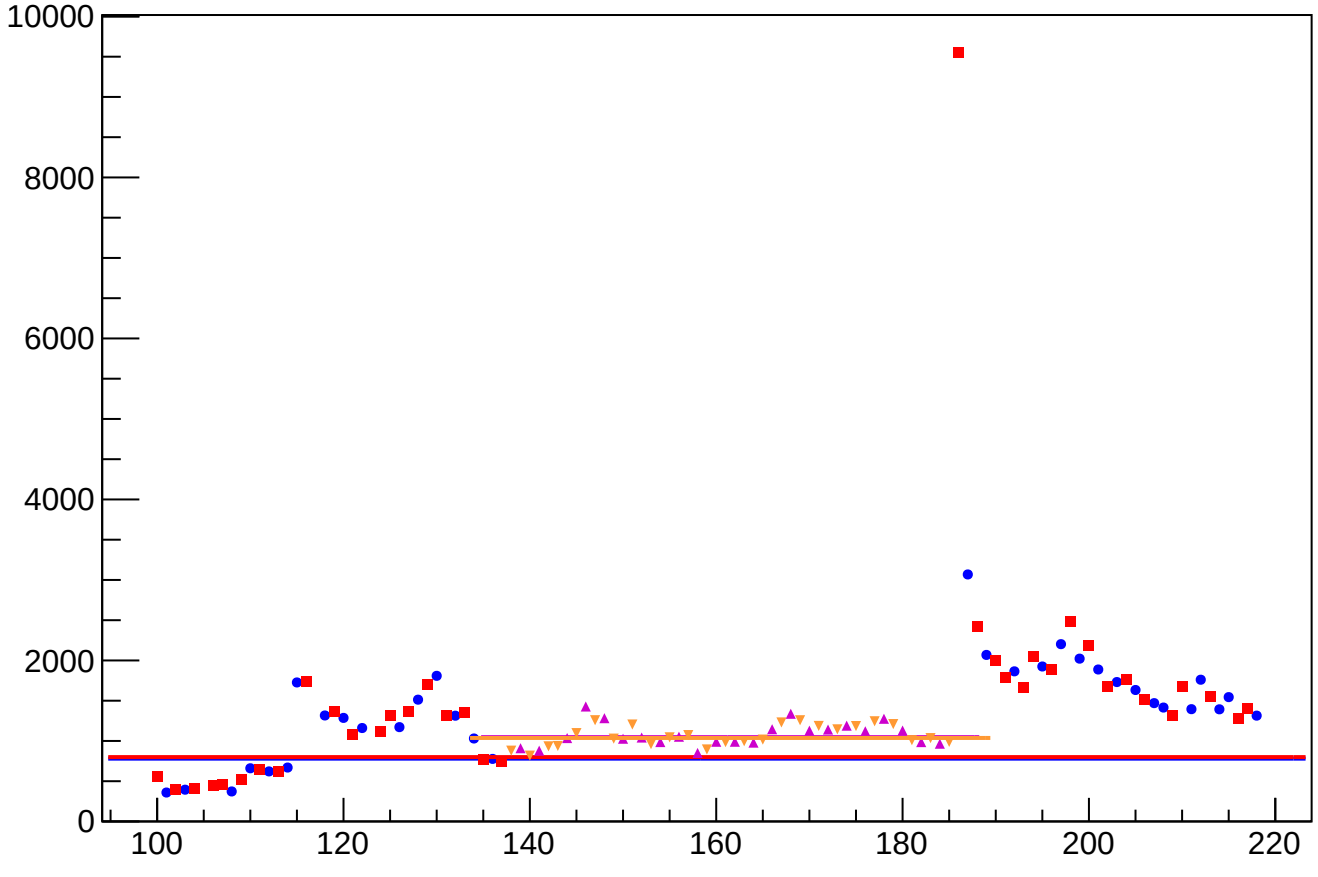
Right: -338.111+/-149.889 χ^2/NDF: 85.3/67

In: -267.704+/-160.486 χ^2/NDF:86.1/54

Out: -21.714+/-158.697 χ^2/NDF:70.7/60

All: -143.330+/-112.843 χ^2/NDF: 157.9/115

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: 799.396+/-0.151 χ^2/NDF: 12805346.3/35

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

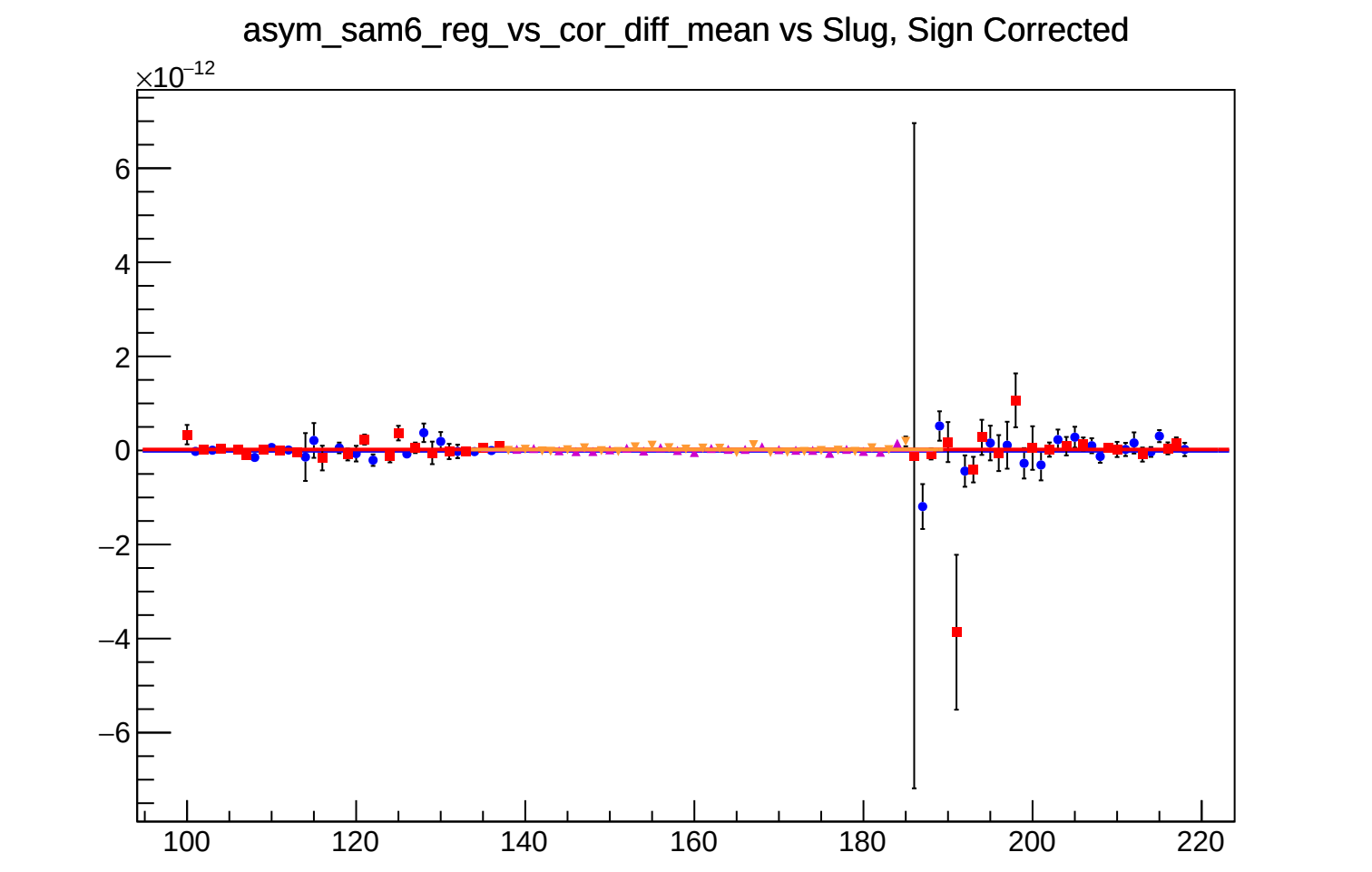
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 789.751+/-0.106 χ^2/NDF: 25490544.2/67

In: 892.962+/-0.113 χ^2/NDF:14643730.5/54

Out: 905.207+/-0.112 χ^2/NDF:14501014.8/60

All: 899.153+/-0.080 χ^2/NDF: 29150632.2/11



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: 35.1/35

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

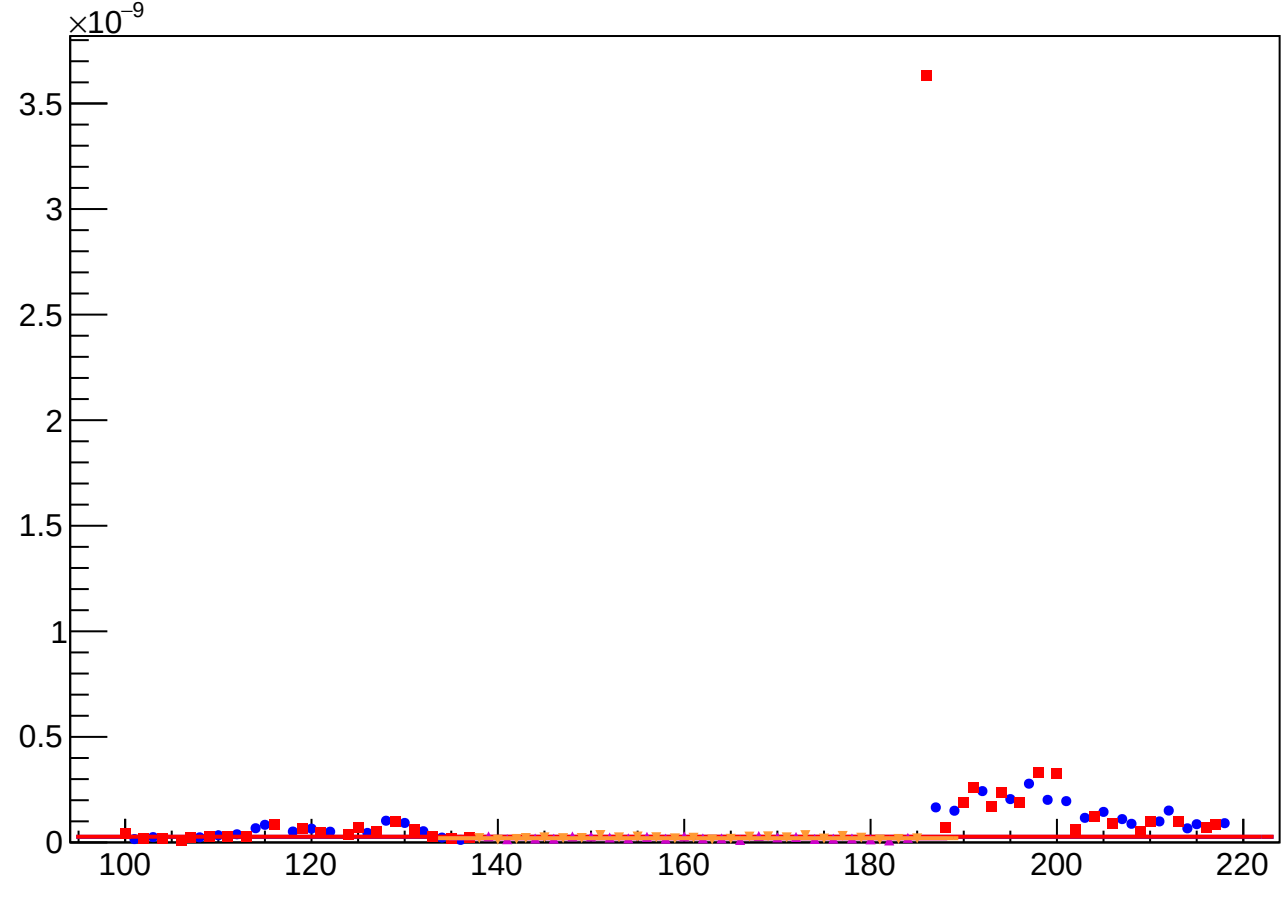
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 77.1/67

In: 0.000+/-0.000 χ^2/NDF:59.1/54

Out: 0.000+/-0.000 χ^2/NDF:65.1/60

All: 0.000+/-0.000 χ^2/NDF: 127.8/115



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: 9027470.7/35

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

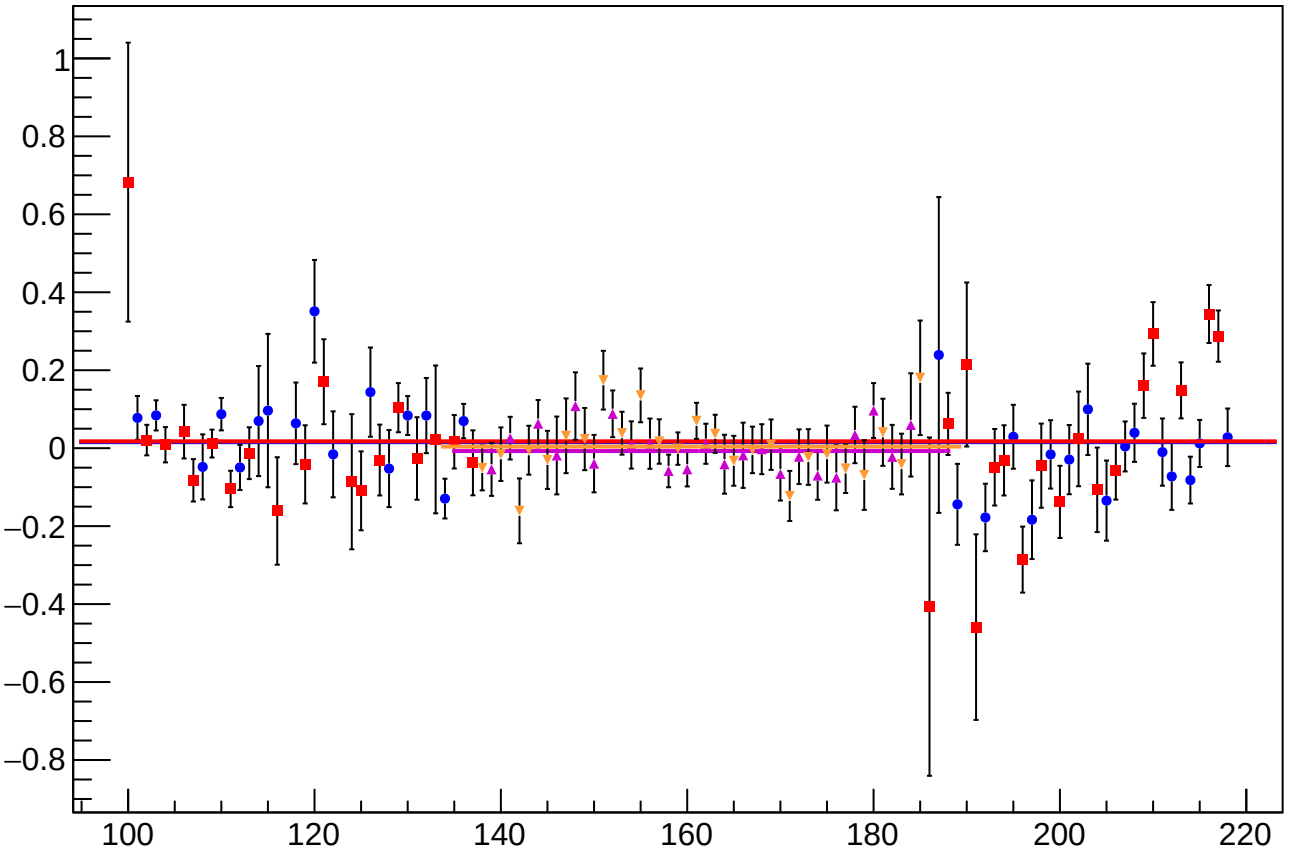
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 19151435.3/67

In: 0.000+/-0.000 χ^2/NDF:11662514.9/54

Out: 0.000+/-0.000 χ^2/NDF:10455484.2/60

All: 0.000+/-0.000 χ^2/NDF: 22130130.4/115



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: 0.018+/-0.013 χ^2/NDF: 101.9/35

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

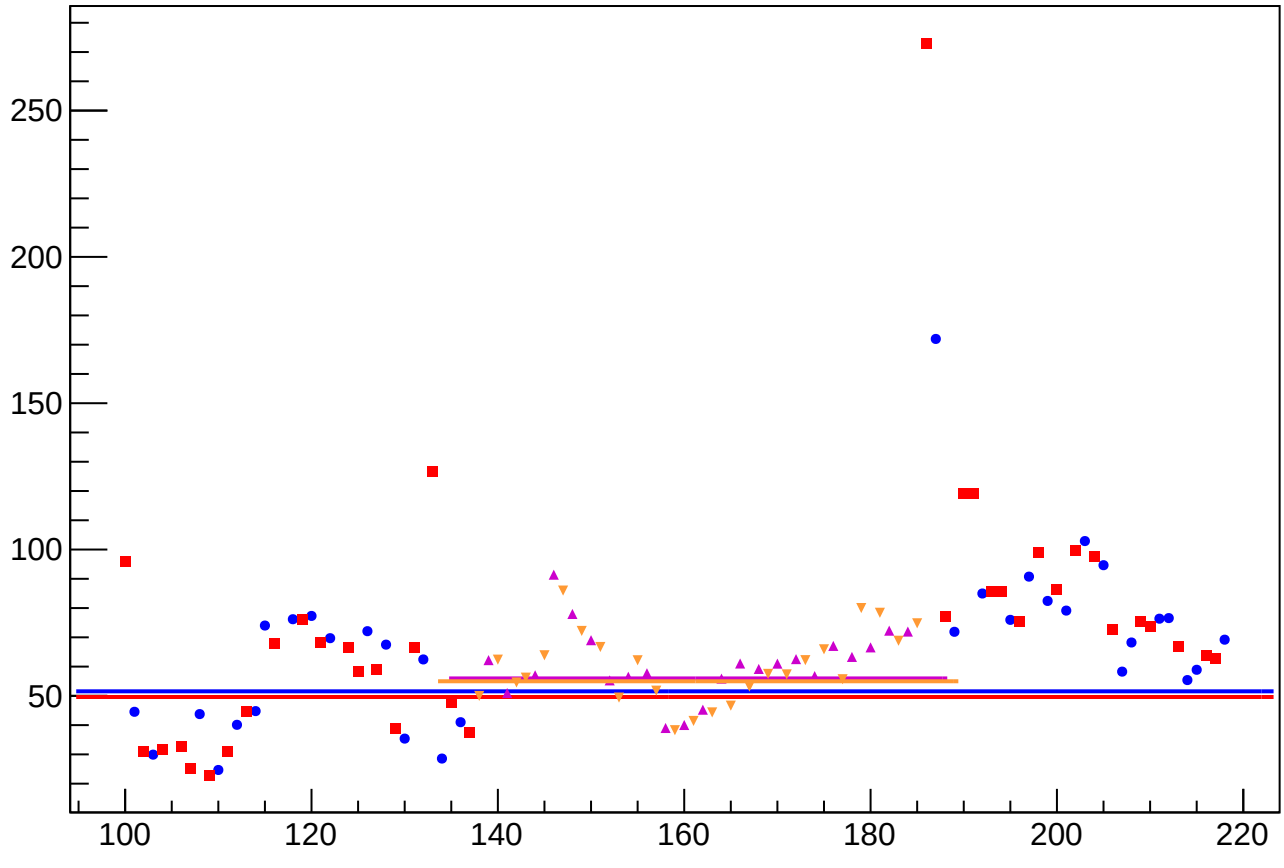
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.017+/-0.009 χ^2/NDF: 150.4/67

In: 0.005+/-0.009 χ^2/NDF:65.1/54

Out: 0.011+/-0.009 χ^2/NDF:127.3/60

All: 0.008+/-0.006 χ^2/NDF: 192.6/115



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: 49.612+/-0.009 χ^2/NDF: 7779513.2/35

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

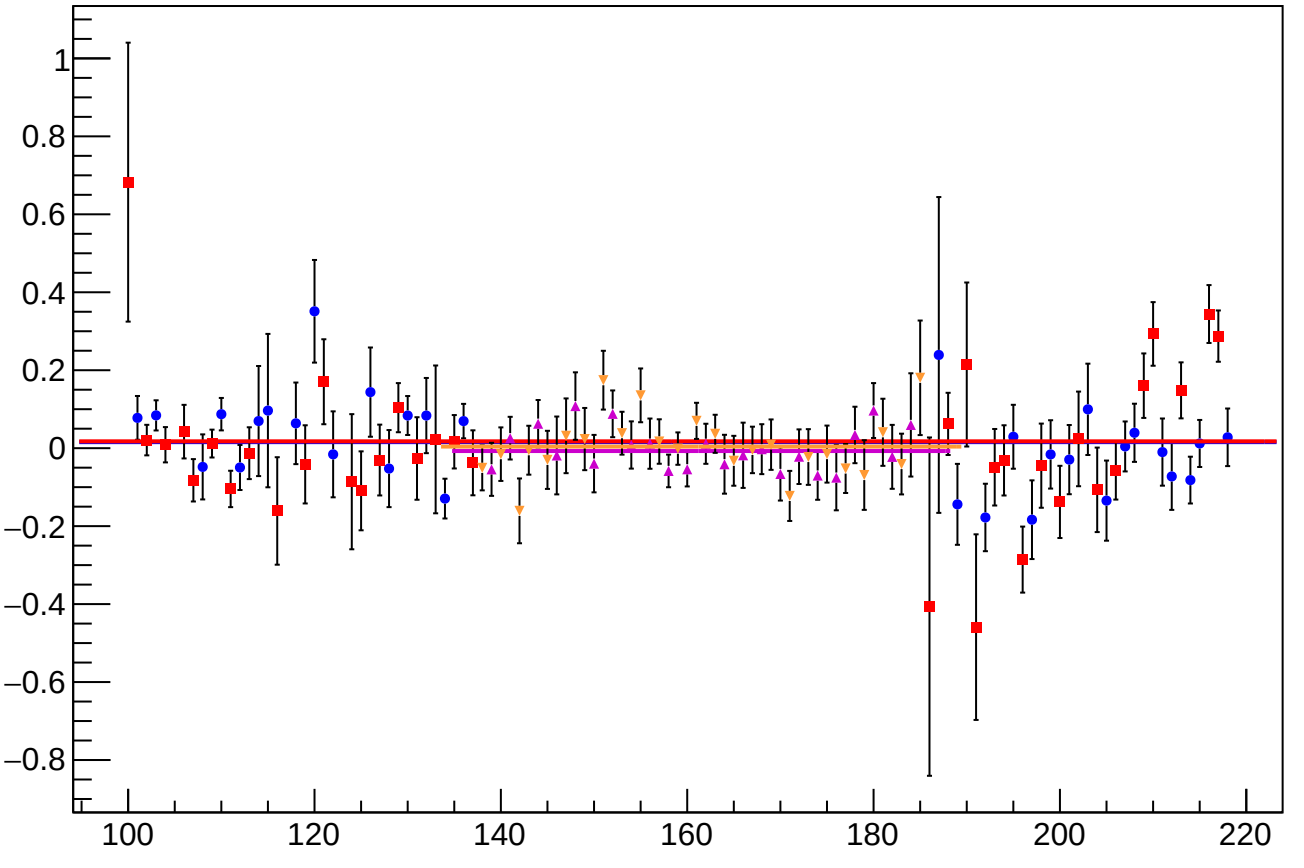
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 50.570+/-0.006 χ^2/NDF: 13350802.8/67

In: 53.612+/-0.007 χ^2/NDF:7066617.0/54

Out: 52.206+/-0.006 χ^2/NDF:9524472.5/60

All: 52.890+/-0.005 χ^2/NDF: 16614862.4/115



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: 0.018+/-0.013 χ^2/NDF: 101.9/35

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

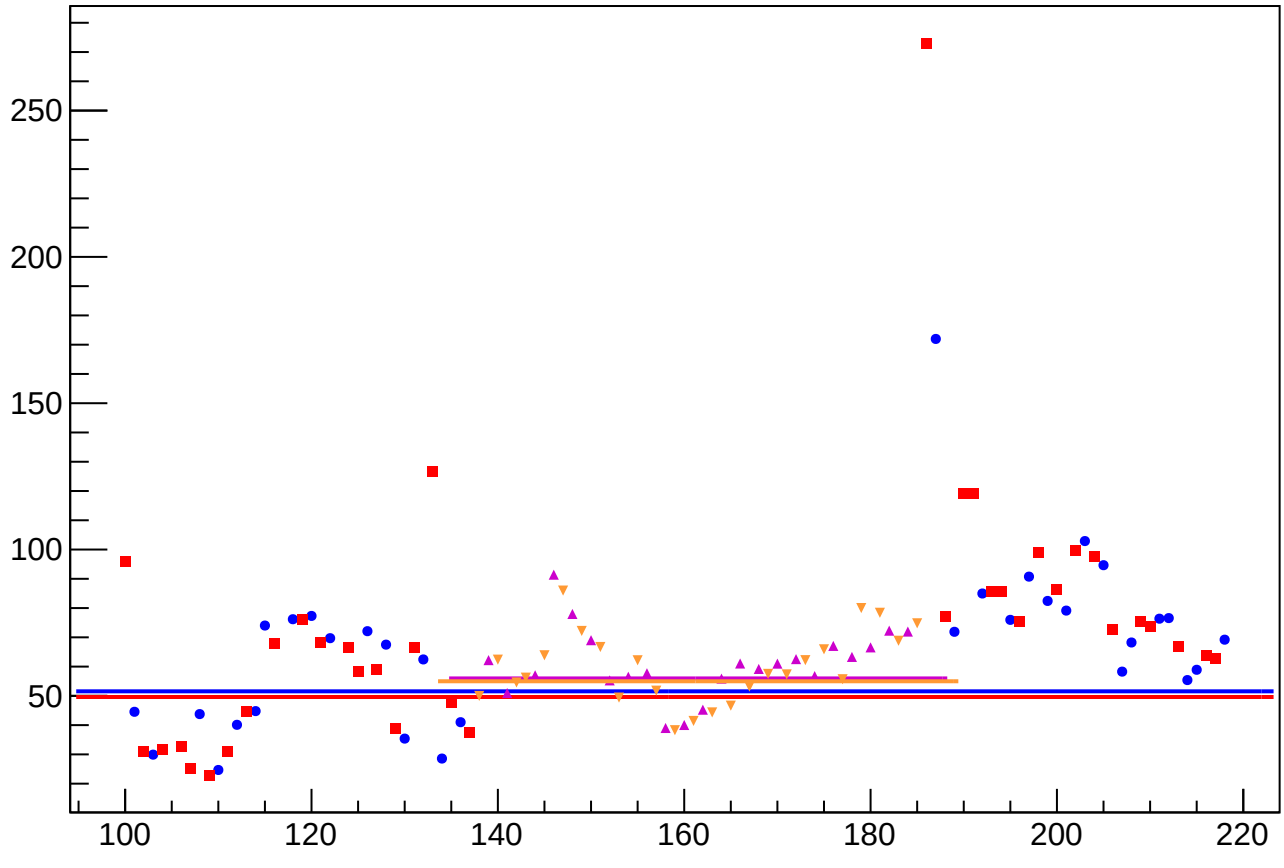
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.017+/-0.009 χ^2/NDF: 150.4/67

In: 0.005+/-0.009 χ^2/NDF:65.1/54

Out: 0.011+/-0.009 χ^2/NDF:127.3/60

All: 0.008+/-0.006 χ^2/NDF: 192.6/115



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: 49.612+/-0.009 χ^2/NDF: 7779513.2/35

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

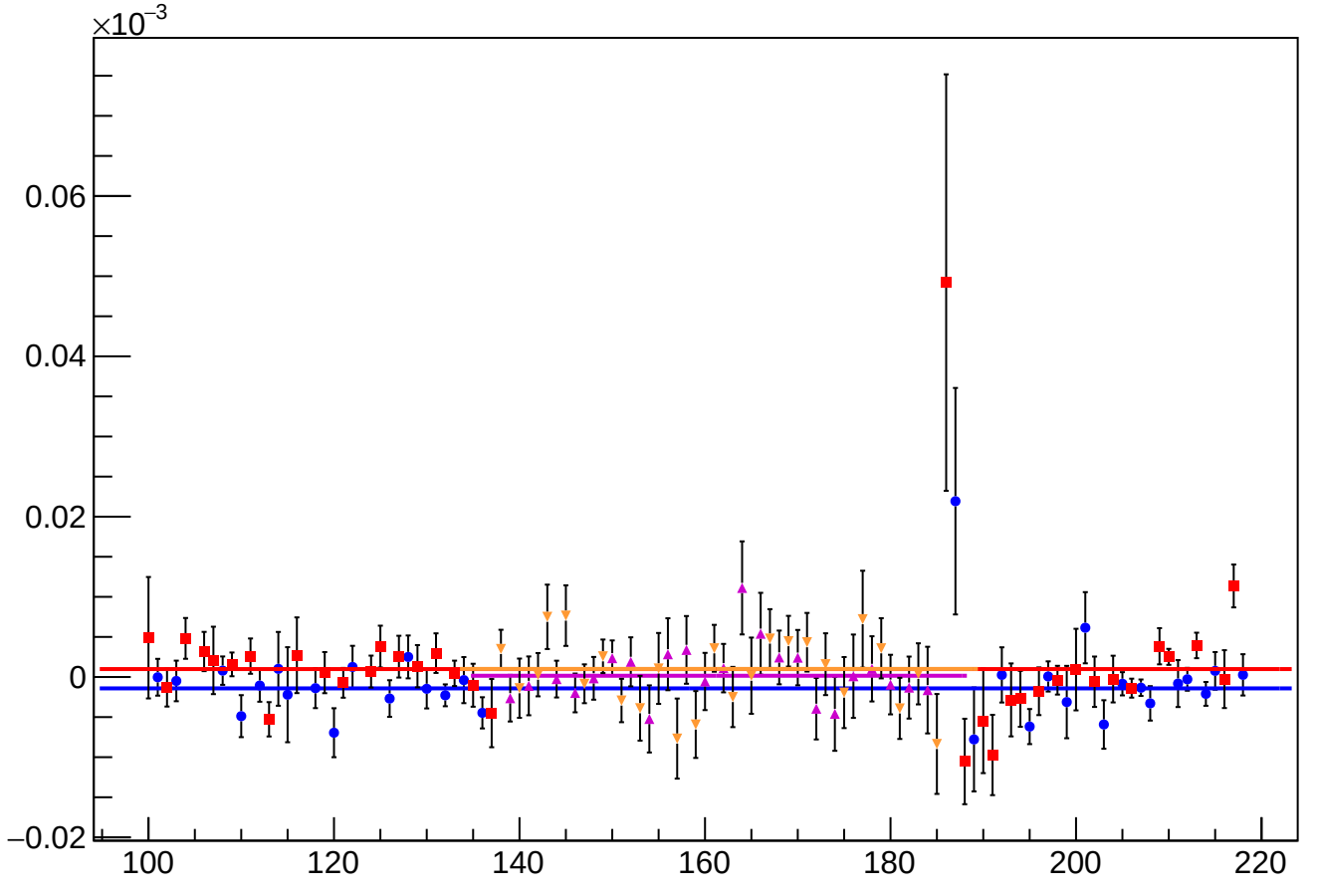
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 50.570+/-0.006 χ^2/NDF: 13350802.8/67

In: 53.612+/-0.007 χ^2/NDF:7066617.0/54

Out: 52.206+/-0.006 χ^2/NDF:9524472.5/60

All: 52.890+/-0.005 χ^2/NDF: 16614862.4/115



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: 63.2/35

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

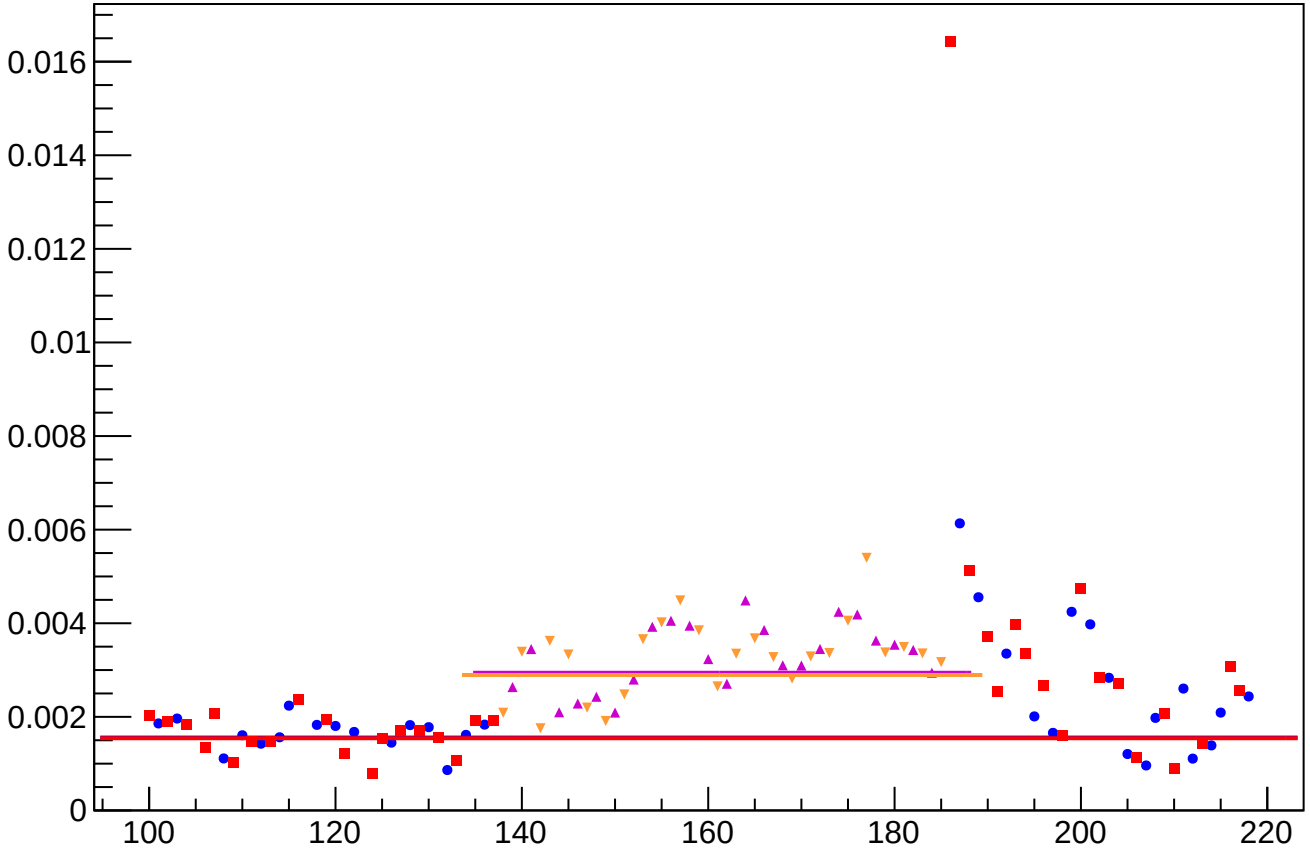
Right: -0.000+/-0.000 χ^2/NDF: 114.6/67

In: -0.000+/-0.000 χ^2/NDF:49.4/54

Out: 0.000+/-0.000 χ^2/NDF:91.7/60

All: -0.000+/-0.000 χ^2/NDF: 159.9/115

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: 7660797.5/35

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

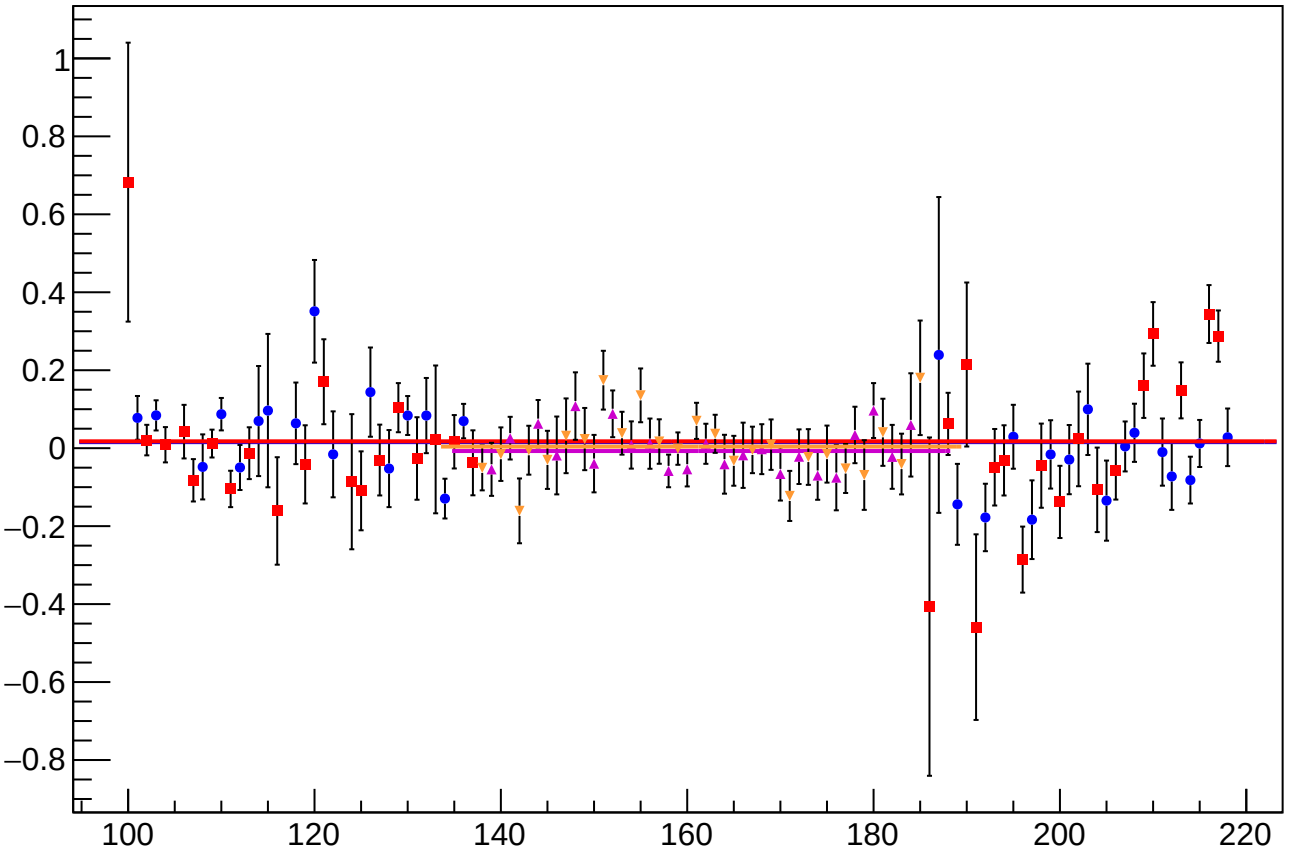
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 13166663.0/67

In: 0.002+/-0.000 χ^2/NDF:13291289.6/54

Out: 0.002+/-0.000 χ^2/NDF:16220297.2/60

All: 0.002+/-0.000 χ^2/NDF: 29511857.8/115



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: 0.018+/-0.013 χ^2/NDF: 101.9/35

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

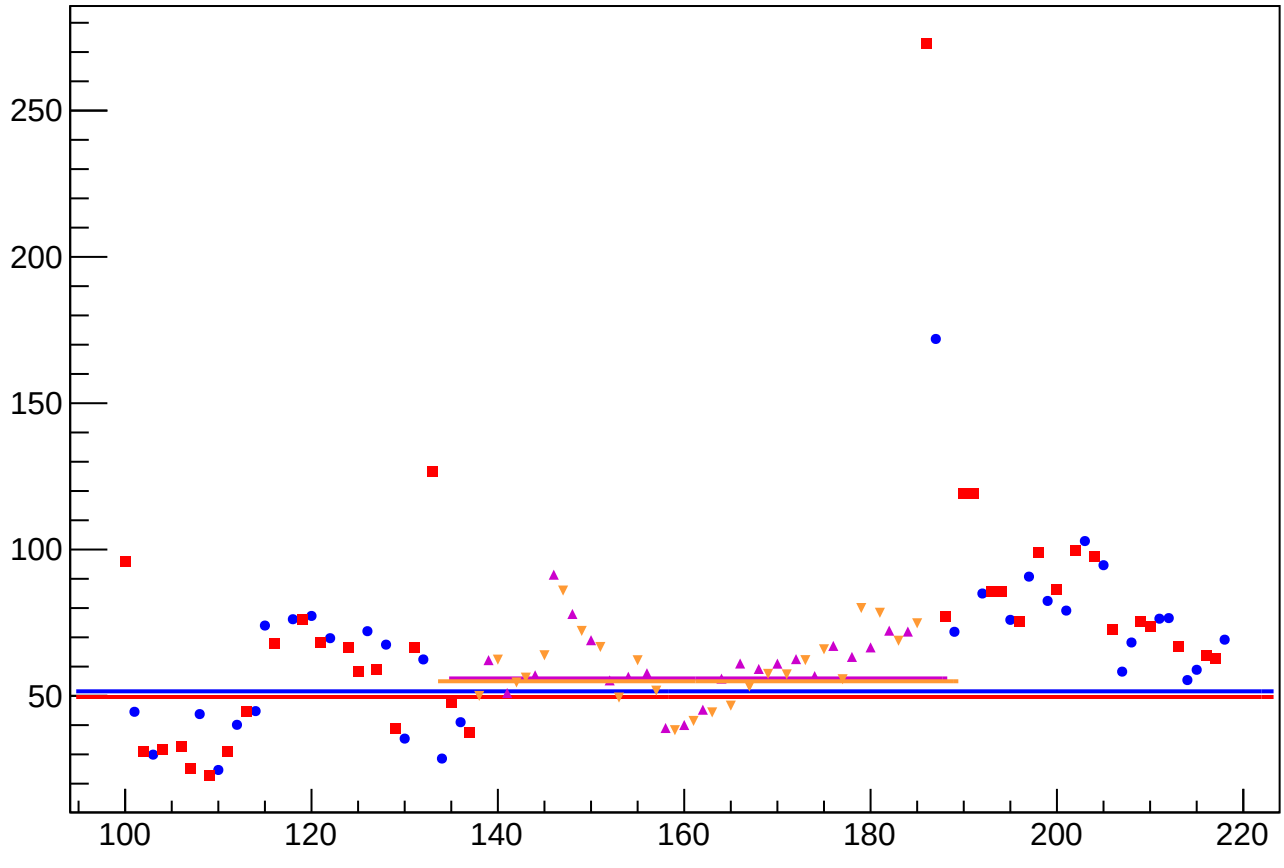
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.017+/-0.009 χ^2/NDF: 150.4/67

In: 0.005+/-0.009 χ^2/NDF:65.1/54

Out: 0.011+/-0.009 χ^2/NDF:127.3/60

All: 0.008+/-0.006 χ^2/NDF: 192.6/115



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: 49.611+/-0.009 χ^2/NDF: 7779543.5/35

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

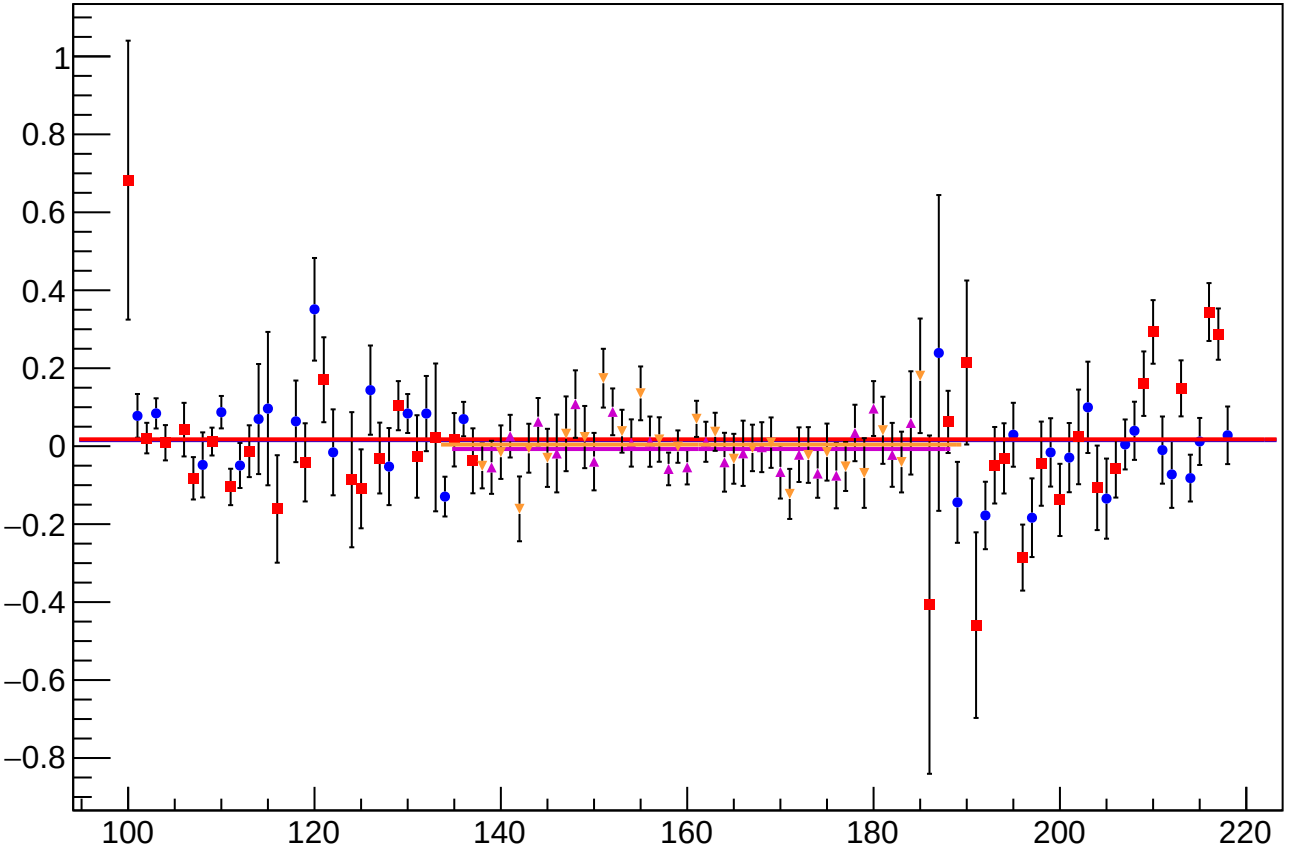
Right: 50.569+/-0.006 χ^2/NDF: 13350979.6/67

In: 53.611+/-0.007 χ^2/NDF:7066908.1/54

Out: 52.205+/-0.006 χ^2/NDF:9524582.9/60

All: 52.889+/-0.005 χ^2/NDF: 16615257.7/115

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: 0.018+/-0.013 χ^2/NDF: 101.9/35

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

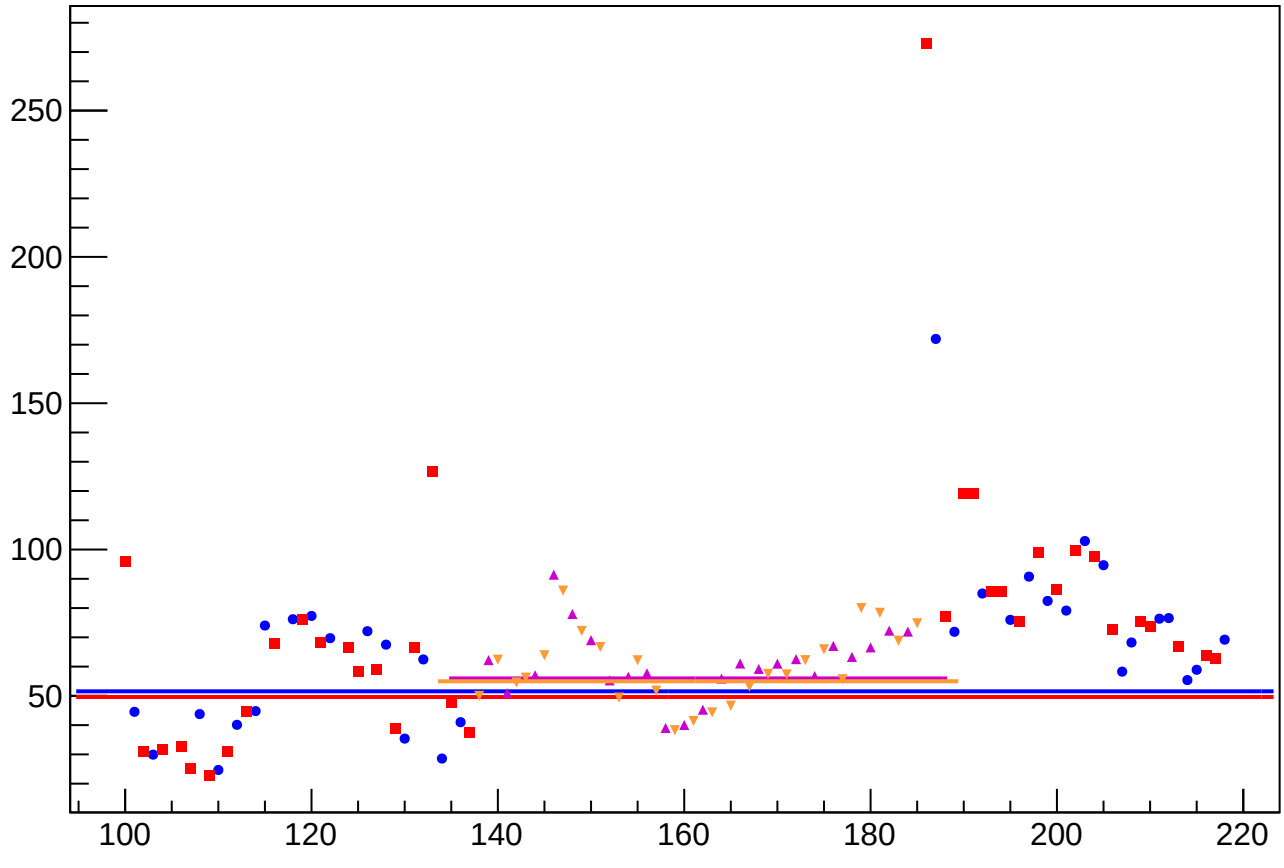
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.017+/-0.009 χ^2/NDF: 150.4/67

In: 0.005+/-0.009 χ^2/NDF:65.1/54

Out: 0.011+/-0.009 χ^2/NDF:127.3/60

All: 0.008+/-0.006 χ^2/NDF: 192.6/115



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: 49.611+/-0.009 χ^2/NDF: 7779543.5/35

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

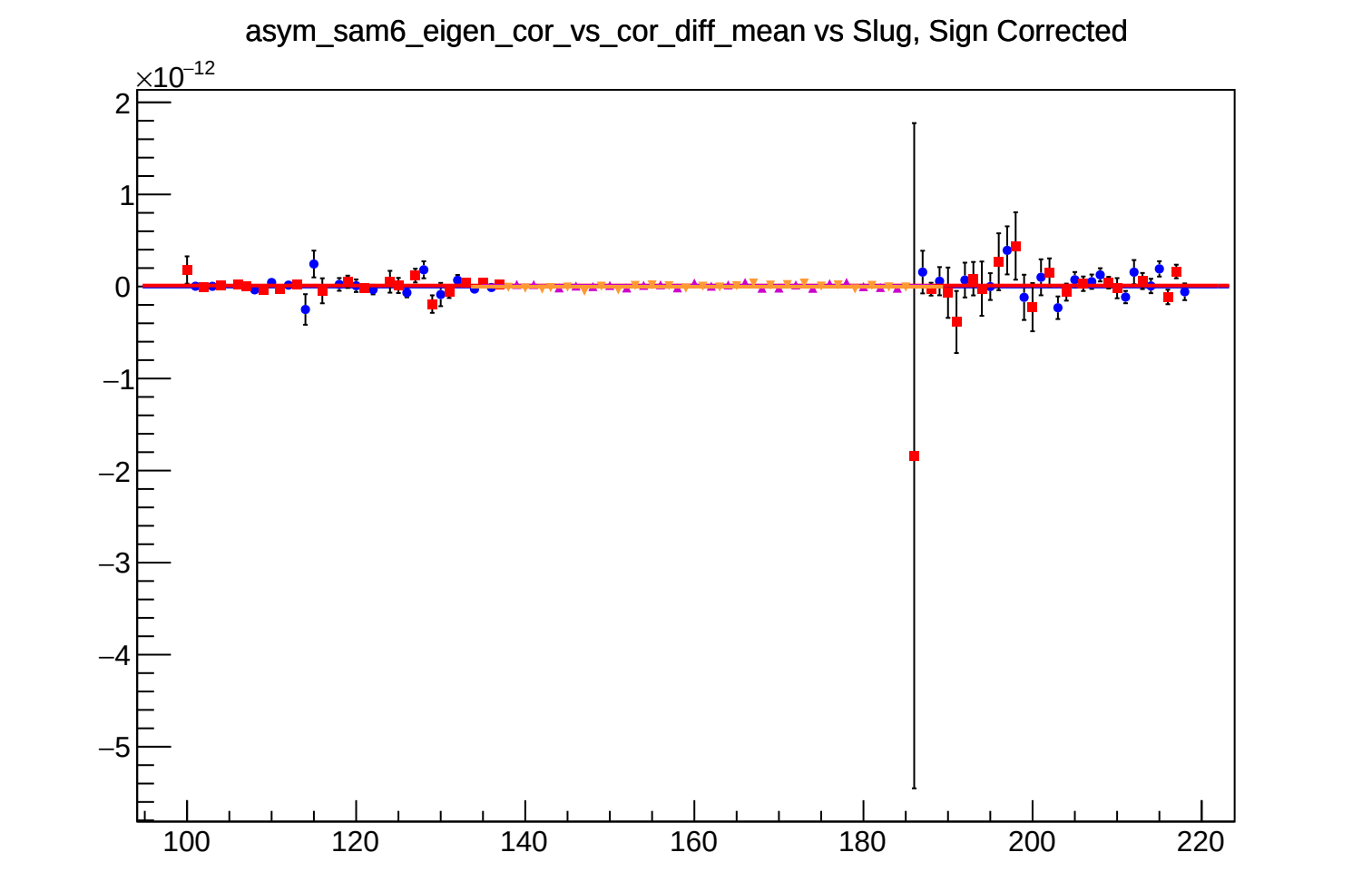
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 50.569+/-0.006 χ^2/NDF: 13350979.6/67

In: 53.611+/-0.007 χ^2/NDF:7066908.1/54

Out: 52.205+/-0.006 χ^2/NDF:9524582.9/60

All: 52.889+/-0.005 χ^2/NDF: 16615257.7/115



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: 29.7/35

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

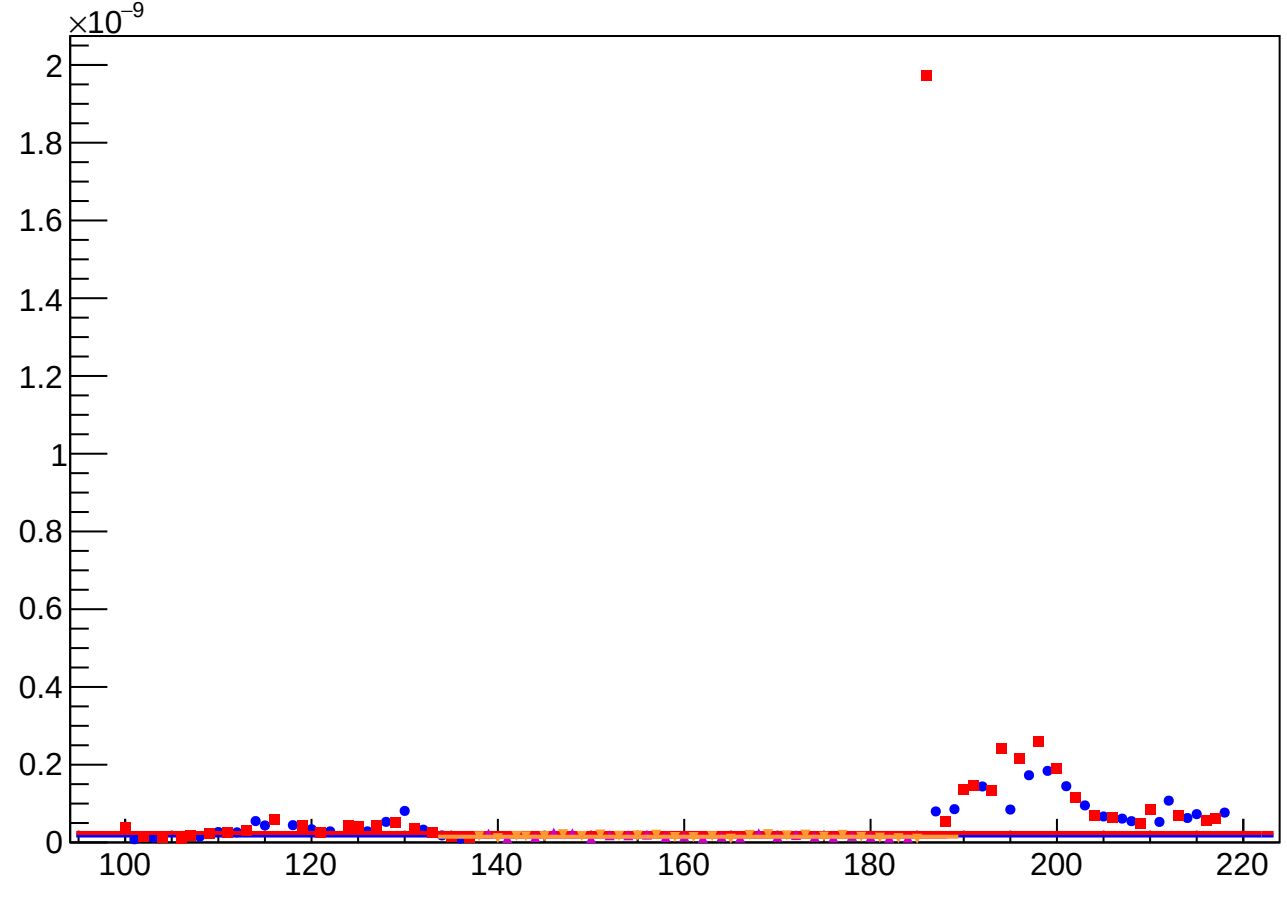
Left: 0.000+/-0.000 χ^2/NDF: 43.6/47

Right: 0.000+/-0.000 χ^2/NDF: 69.0/67

In: 0.000+/-0.000 χ^2/NDF:61.0/54

Out: -0.000+/-0.000 χ^2/NDF:50.8/60

All: 0.000+/-0.000 χ^2/NDF: 112.6/115



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: 12515763.4/35

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

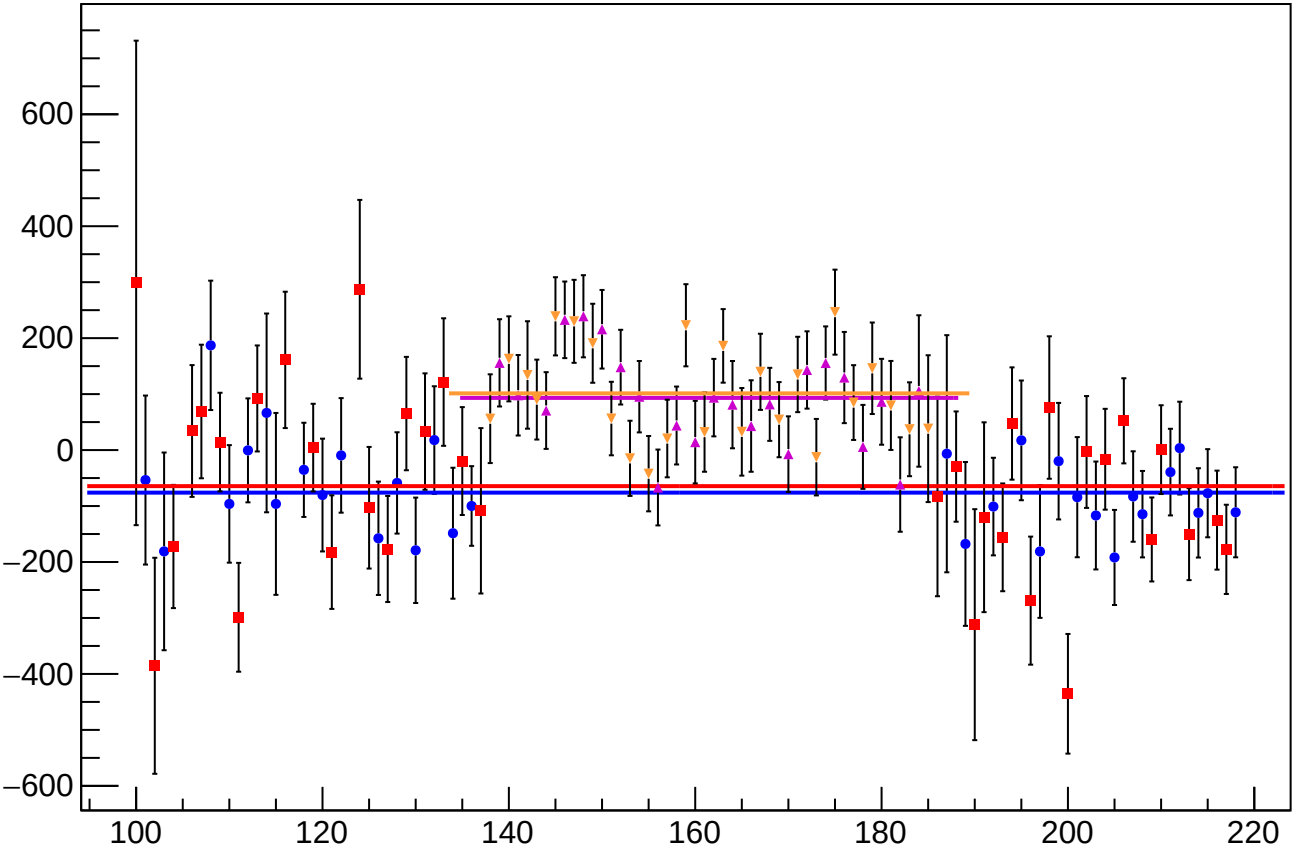
Right: 0.000+/-0.000 χ^2/NDF: 27908820.7/67

In: 0.000+/-0.000 χ^2/NDF:16343500.8/54

Out: 0.000+/-0.000 χ^2/NDF:15989439.0/60

All: 0.000+/-0.000 χ^2/NDF: 32384363.5/115

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: -64.430+/-17.204 χ^2/NDF: 62.3/35

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

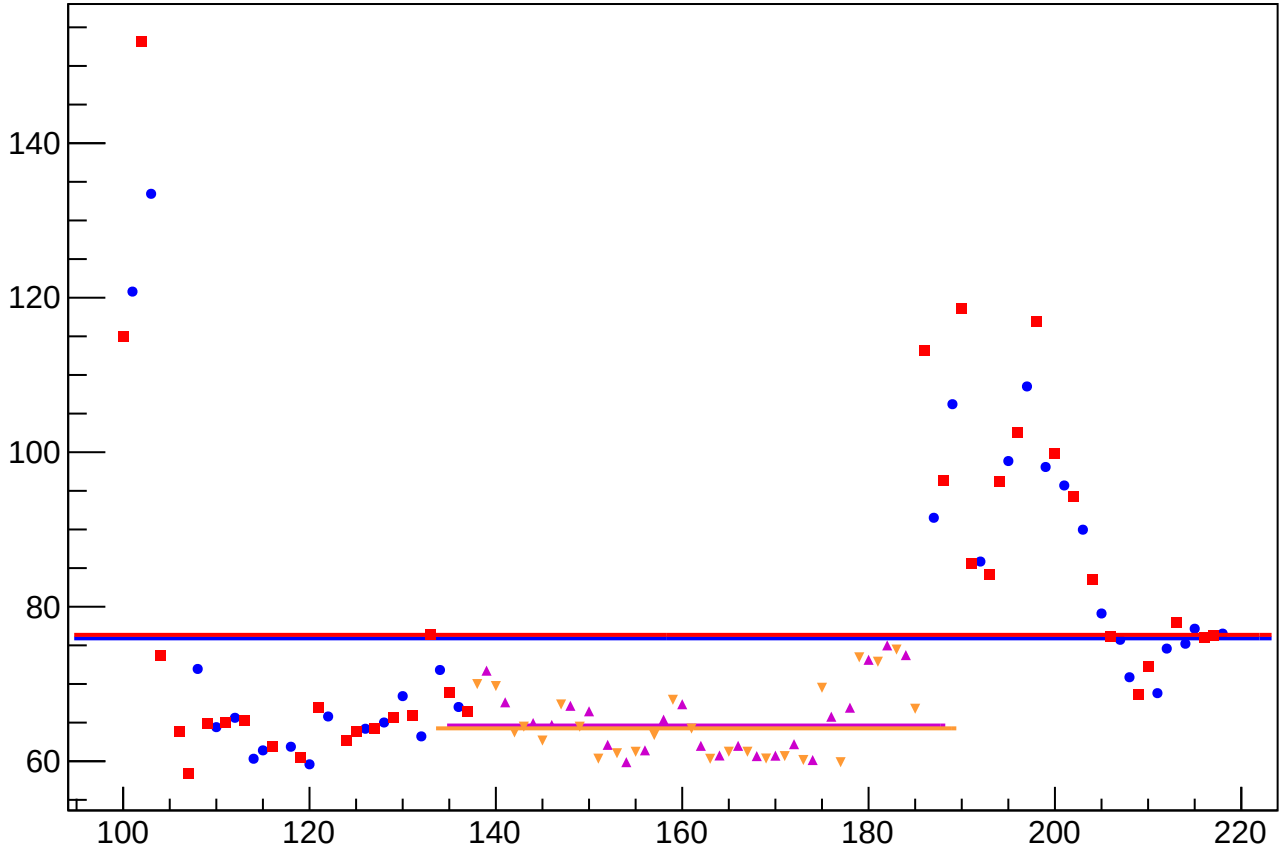
Right: -70.220+/-12.179 χ^2/NDF: 79.7/67

In: 19.566+/-11.375 χ^2/NDF:100.4/54

Out: 31.700+/-11.150 χ^2/NDF:150.0/60

All: 25.754+/-7.963 χ^2/NDF: 251.0/115

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: 76.360+/-0.012 χ^2/NDF: 1611886.1/35

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

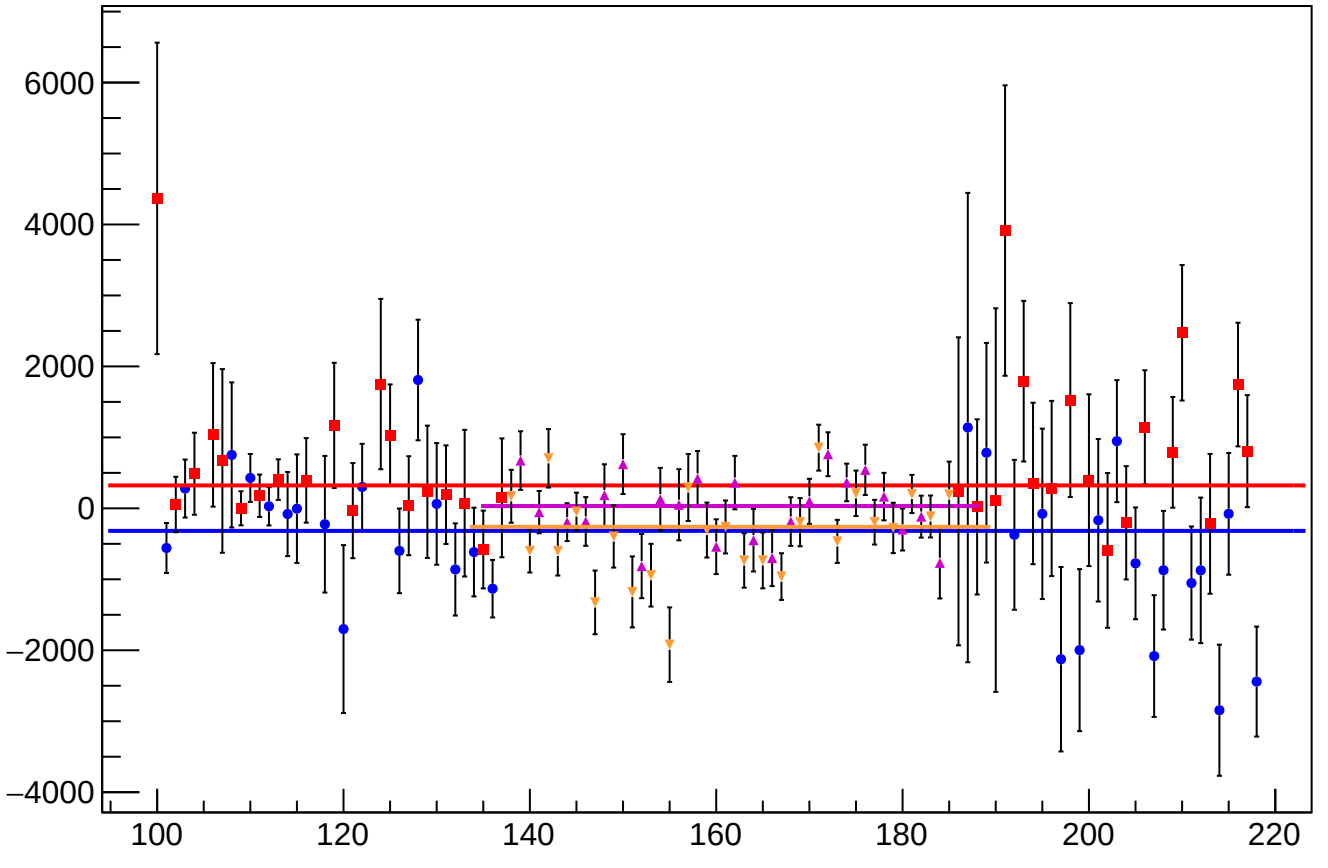
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.134+/-0.009 χ^2/NDF: 2944600.9/67

In: 69.533+/-0.008 χ^2/NDF:1963057.1/54

Out: 69.340+/-0.008 χ^2/NDF:2363740.8/60

All: 69.434+/-0.006 χ^2/NDF: 4327090.5/115



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: 323.115+/-106.959 χ^2/NDF: 29.9/35

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

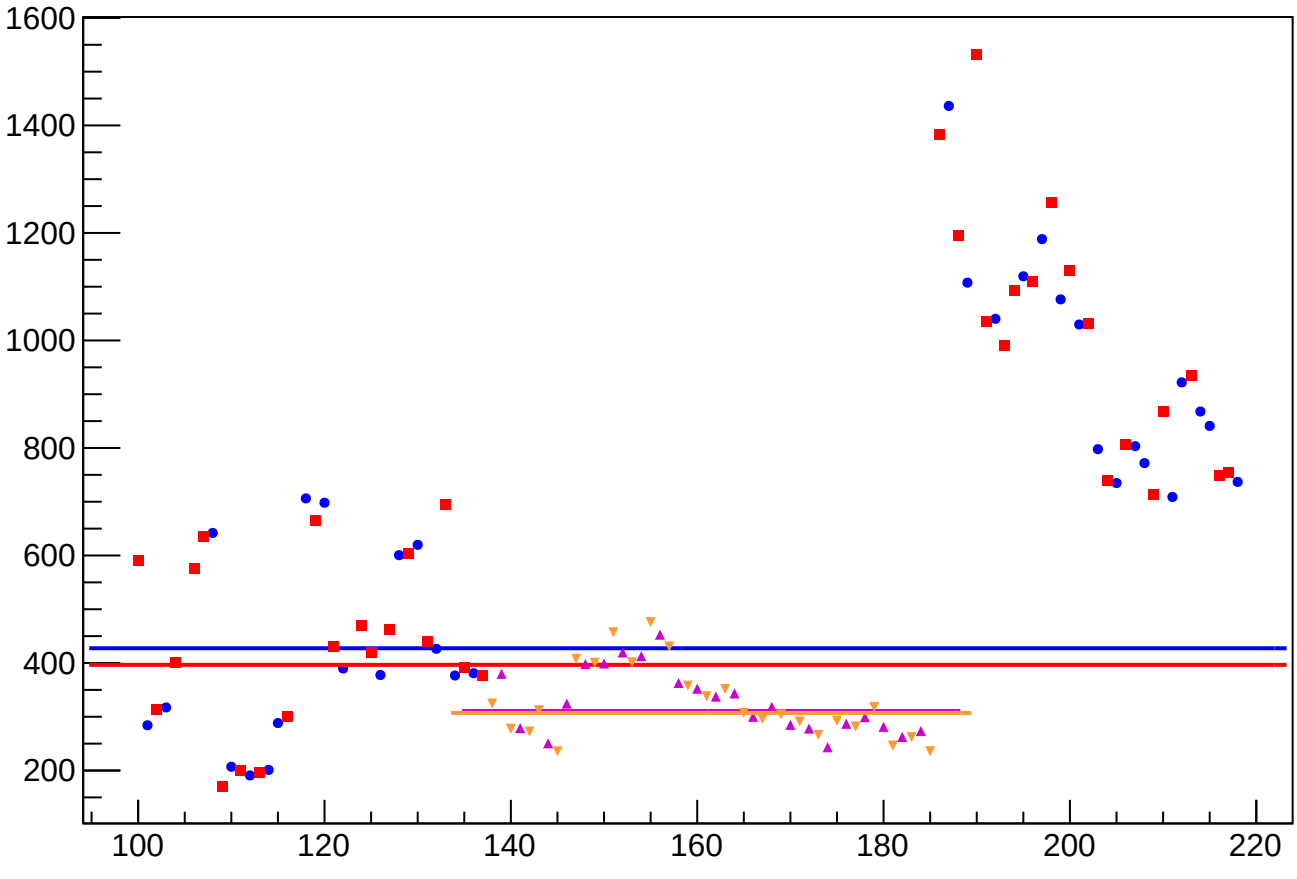
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 17.373+/-77.338 χ^2/NDF: 99.8/67

In: -73.677+/-61.639 χ^2/NDF:91.4/54

Out: -81.490+/-59.309 χ^2/NDF:109.3/60

All: -77.734+/-42.738 χ^2/NDF: 200.7/115



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: 396.584+/-0.076 χ^2/NDF: 13424177.1/35

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

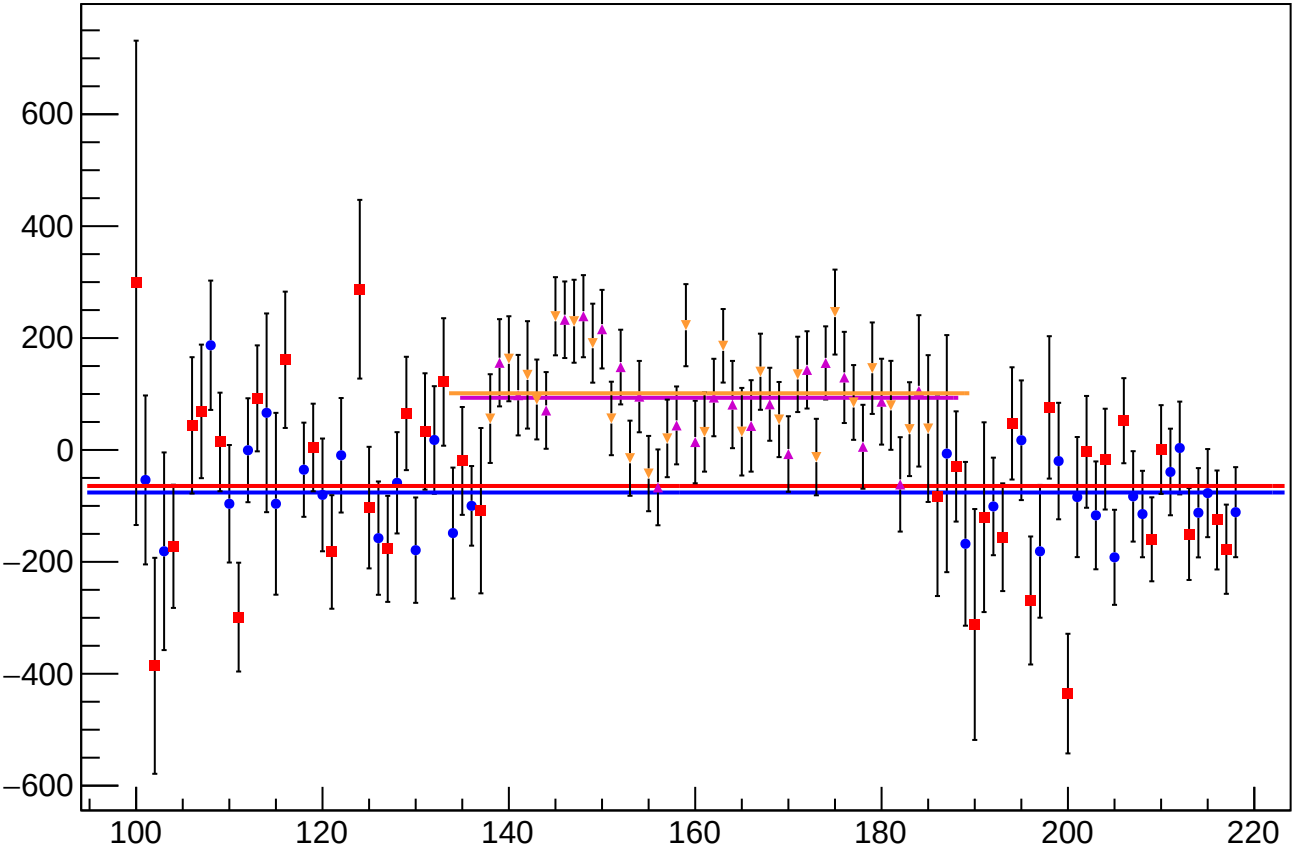
Right: 411.298+/-0.055 χ^2/NDF: 24473676.0/67

In: 346.077+/-0.044 χ^2/NDF:13564575.7/54

Out: 334.643+/-0.042 χ^2/NDF:15712846.9/60

All: 340.140+/-0.030 χ^2/NDF: 29313158.4/11

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: -64.369+/-17.216 χ^2/NDF: 62.4/35

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

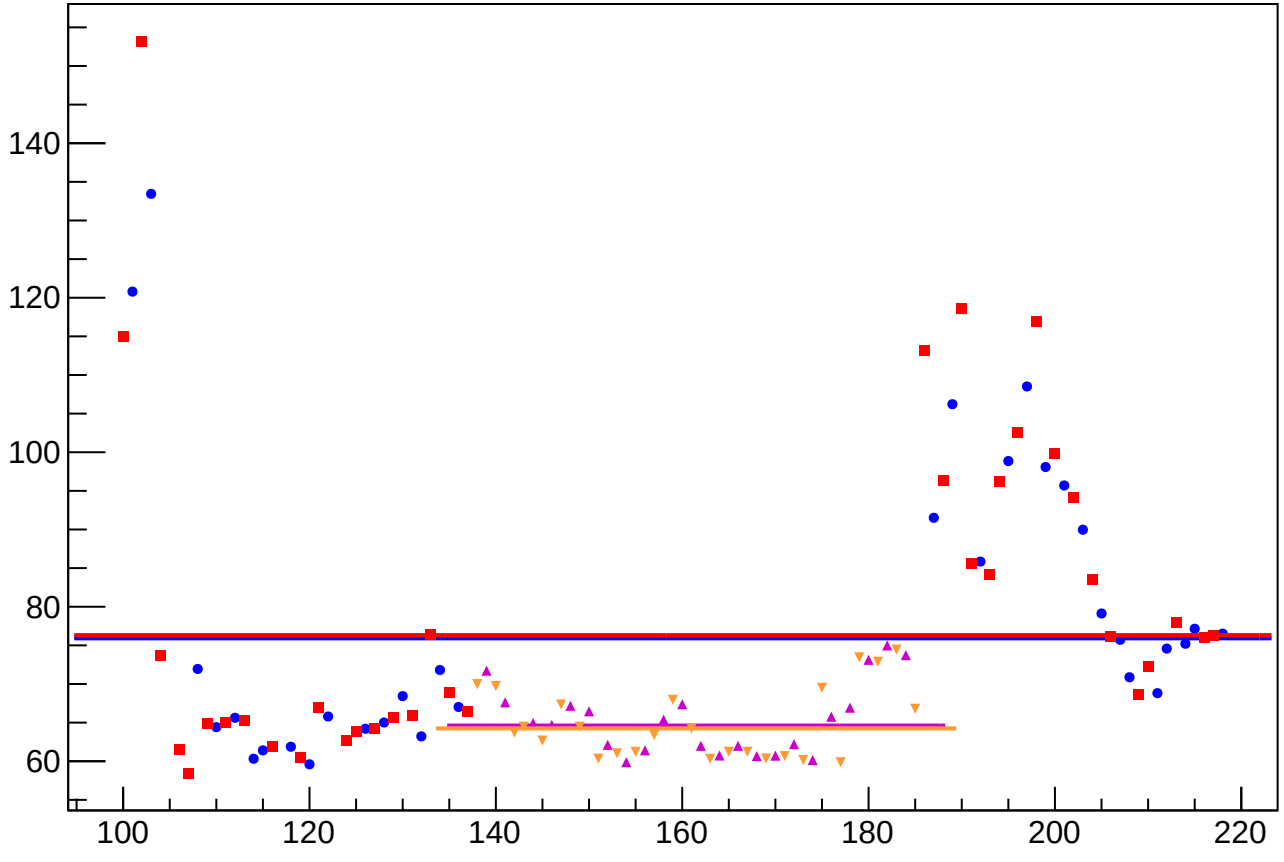
Right: -70.195+/-12.183 χ^2/NDF: 79.8/67

In: 19.565+/-11.375 χ^2/NDF:100.4/54

Out: 31.782+/-11.154 χ^2/NDF:150.0/60

All: 25.794+/-7.964 χ^2/NDF: 251.1/115

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: 76.330+/-0.012 χ^2/NDF: 1619109.5/35

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

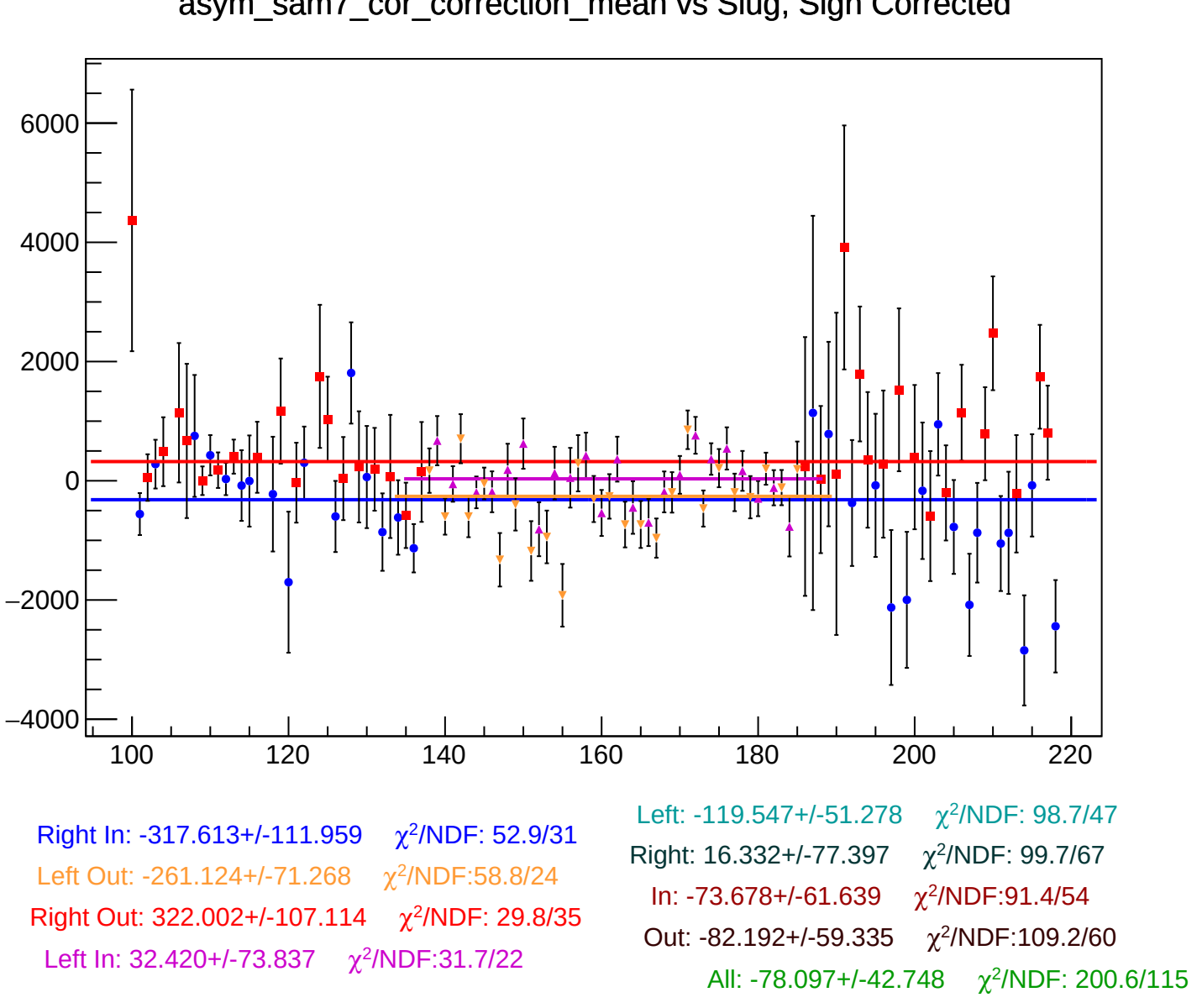
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

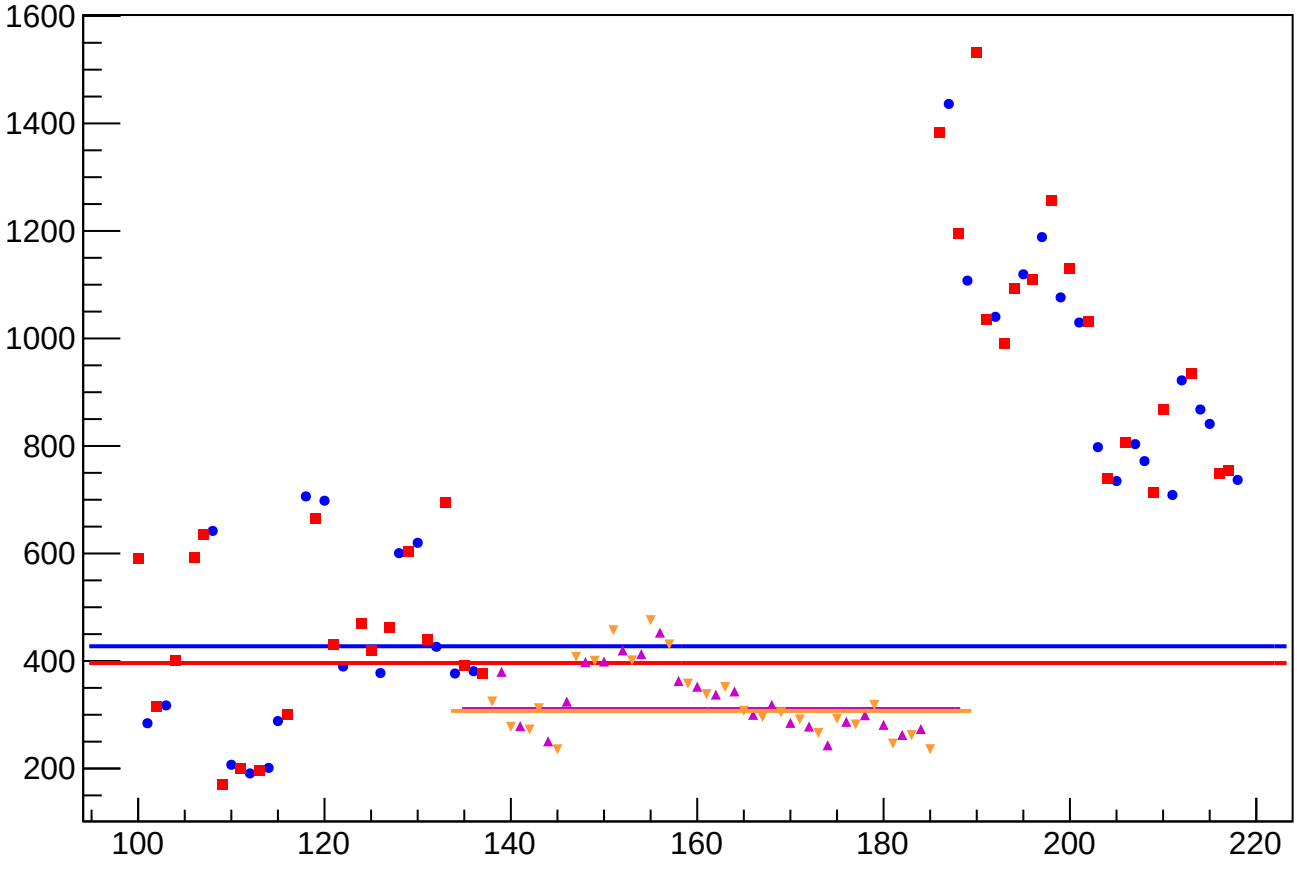
Right: 76.119+/-0.009 χ^2/NDF: 2951736.5/67

In: 69.533+/-0.008 χ^2/NDF:1963057.5/54

Out: 69.323+/-0.008 χ^2/NDF:2367686.7/60

All: 69.426+/-0.006 χ^2/NDF: 4331089.2/115


asym_sam7_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: 322.002+/-107.114 χ²/NDF: 29.8/35
Left In: 32.420+/-73.837 χ²/NDF:31.7/22
Left: -119.547+/-51.278 χ²/NDF: 98.7/47
Right: 16.332+/-77.397 χ²/NDF: 99.7/67
In: -73.678+/-61.639 χ²/NDF:91.4/54
Out: -82.192+/-59.335 χ²/NDF:109.2/60
All: -78.097+/-42.748 χ²/NDF: 200.6/115



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: 396.246+/-0.076 χ^2/NDF: 13417841.6/35

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

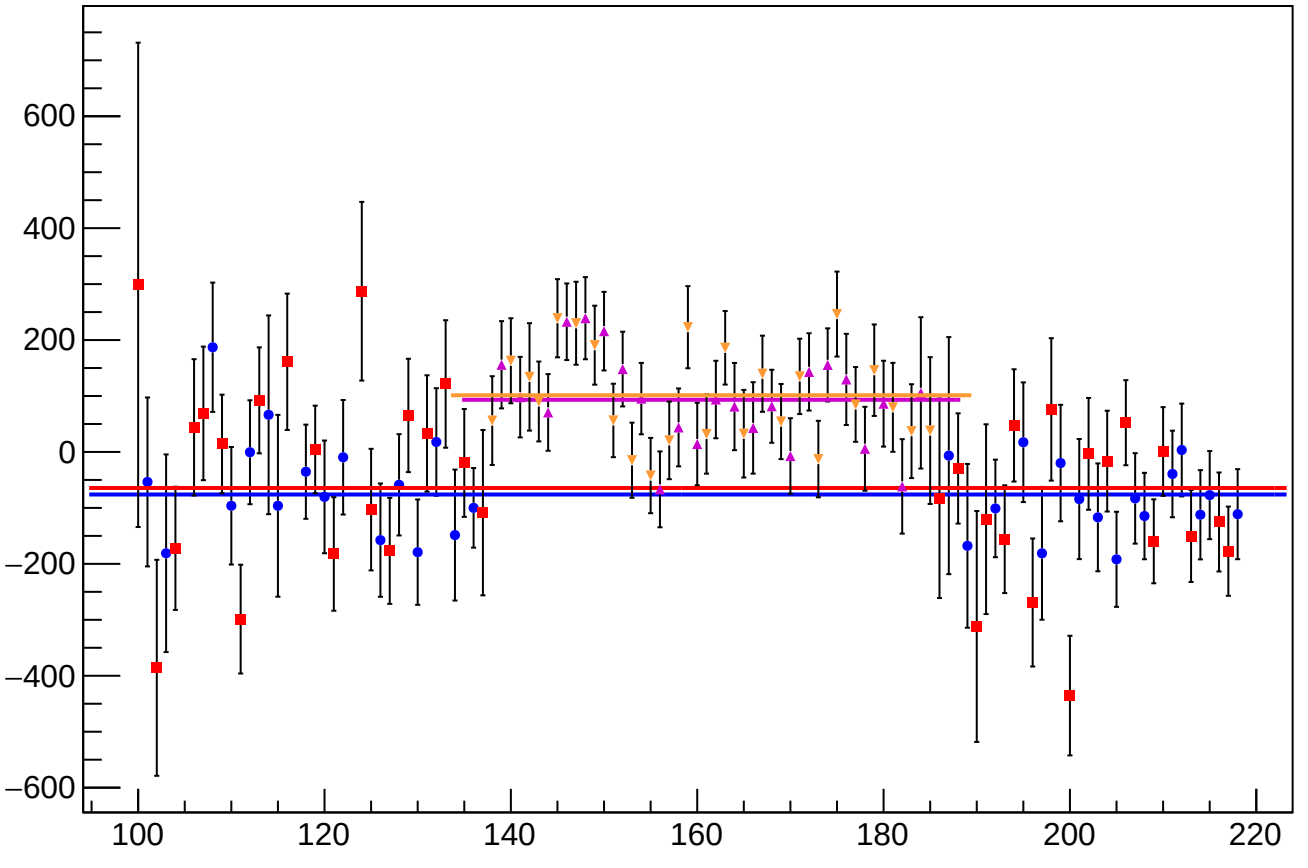
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 411.145+/-0.055 χ^2/NDF: 24468916.4/67

In: 346.078+/-0.044 χ^2/NDF:13564559.1/54

Out: 334.484+/-0.042 χ^2/NDF:15697270.1/60

All: 340.060+/-0.030 χ^2/NDF: 29298554.3/11



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: -64.369+/-17.216 χ^2/NDF: 62.4/35

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

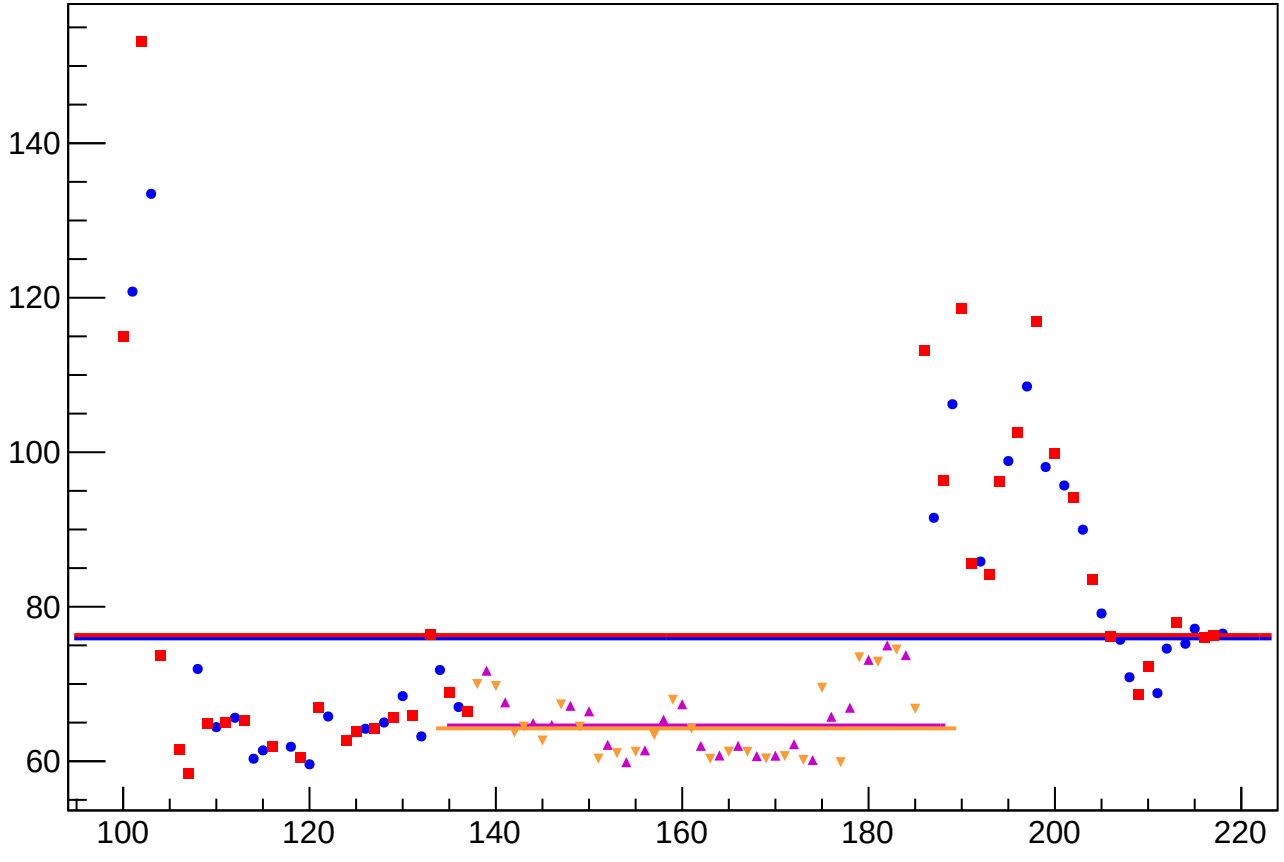
Right: -70.195+/-12.183 χ^2/NDF: 79.8/67

In: 19.565+/-11.375 χ^2/NDF:100.4/54

Out: 31.782+/-11.154 χ^2/NDF:150.0/60

All: 25.794+/-7.964 χ^2/NDF: 251.1/115

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: 76.330+/-0.012 χ^2/NDF: 1619109.5/35

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

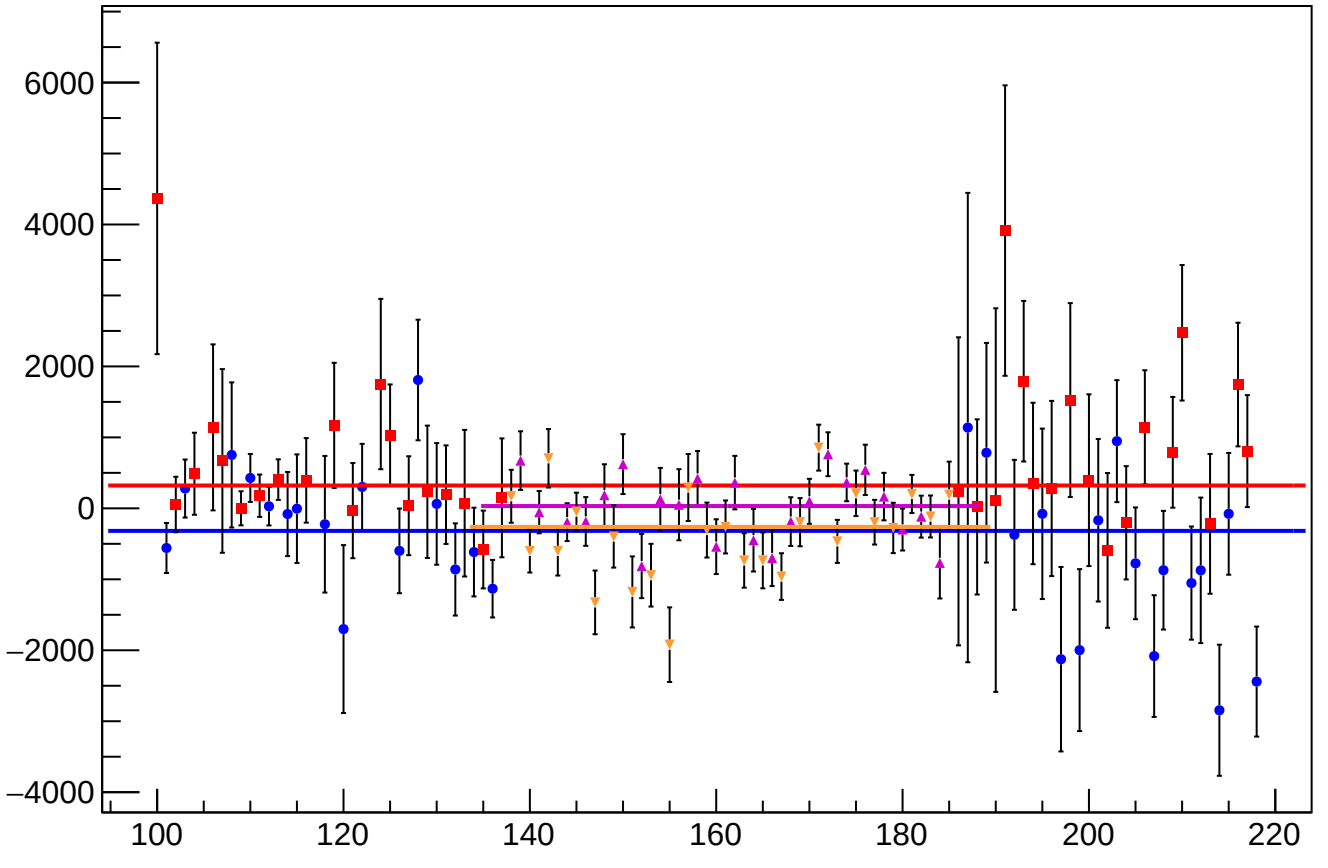
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.119+/-0.009 χ^2/NDF: 2951736.5/67

In: 69.533+/-0.008 χ^2/NDF:1963057.5/54

Out: 69.323+/-0.008 χ^2/NDF:2367686.7/60

All: 69.426+/-0.006 χ^2/NDF: 4331089.2/115



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: 322.002+/-107.114 χ^2/NDF: 29.8/35

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

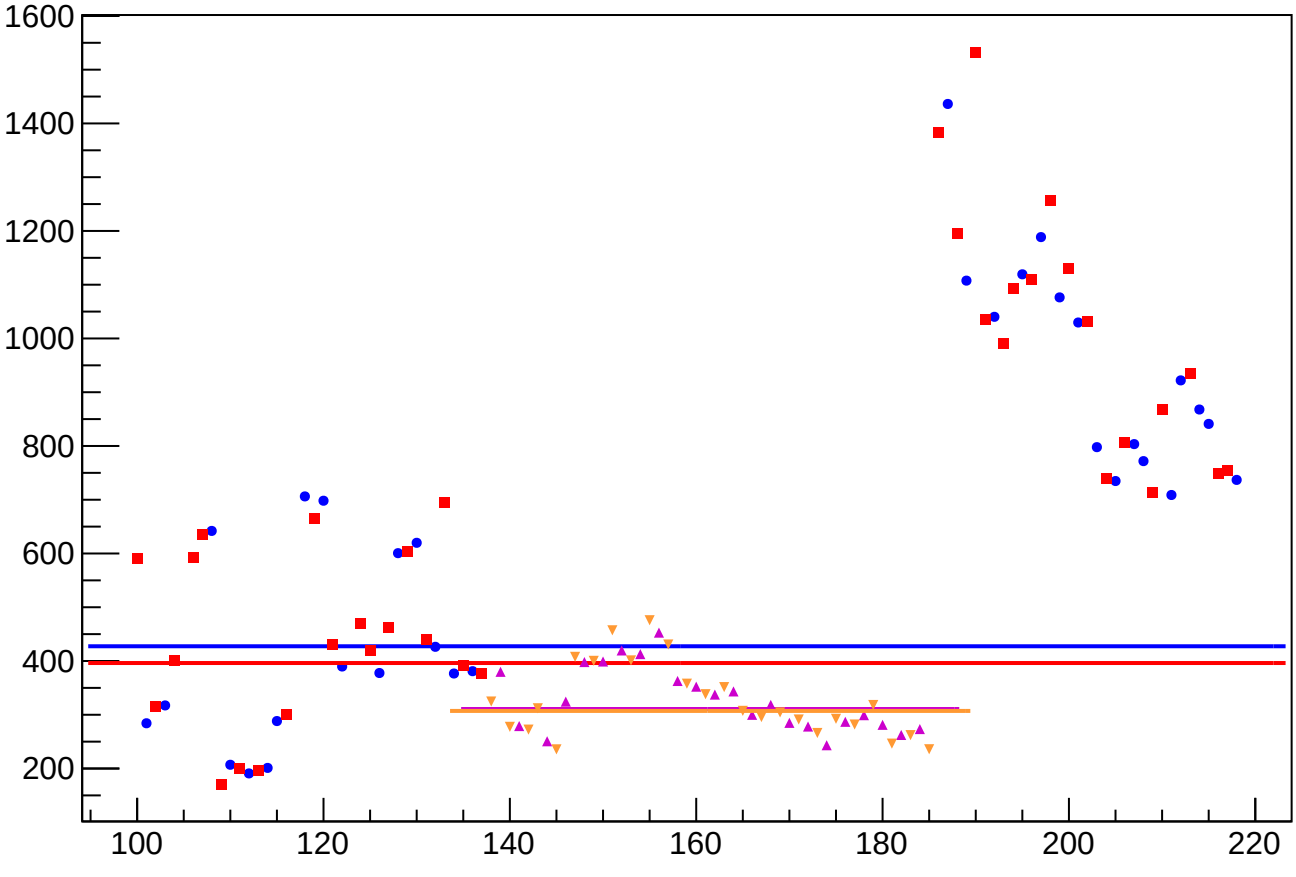
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 16.332+/-77.397 χ^2/NDF: 99.7/67

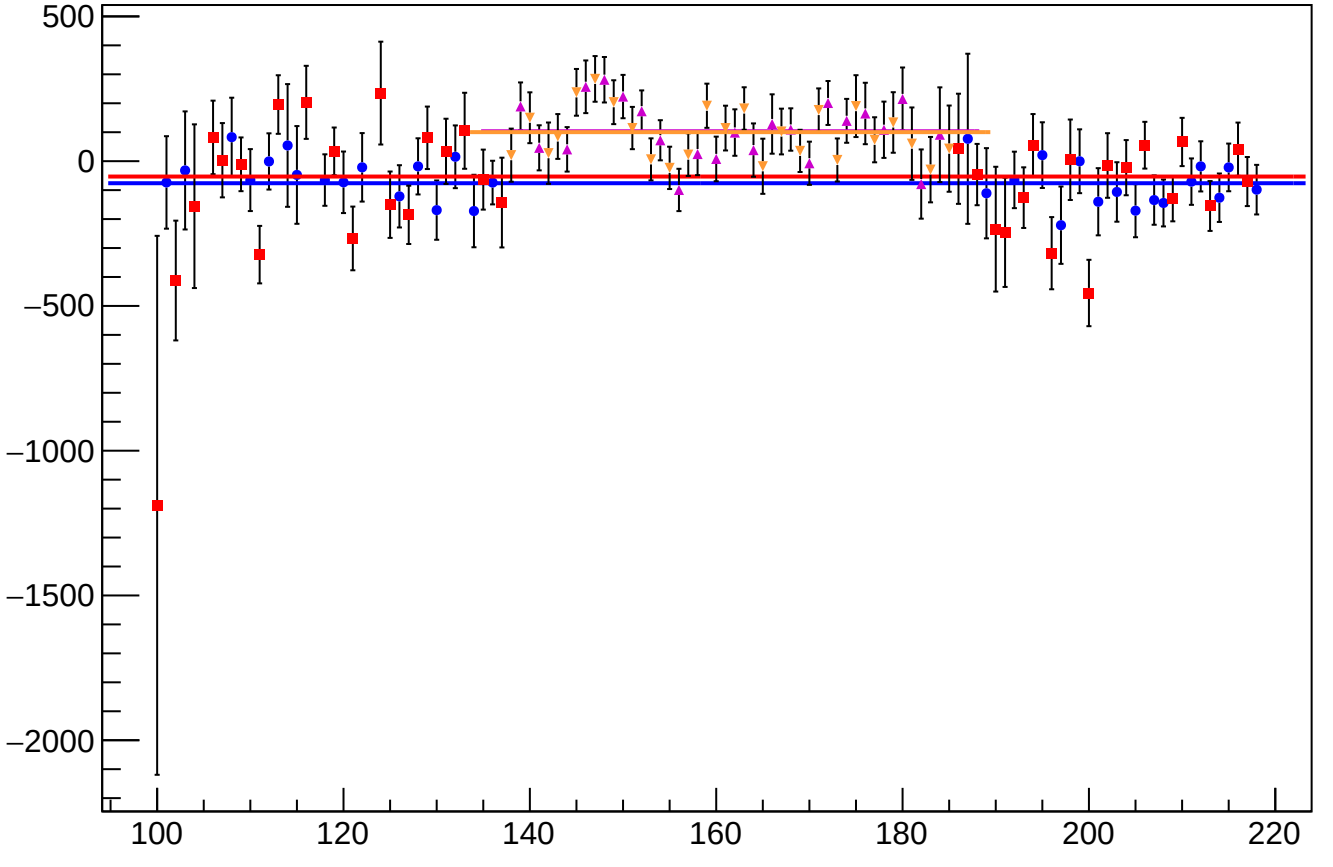
In: -73.678+/-61.639 χ^2/NDF:91.4/54

Out: -82.192+/-59.335 χ^2/NDF:109.2/60

All: -78.097+/-42.748 χ^2/NDF: 200.6/115


asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 427.422+/-0.079 χ²/NDF: 10970105.5/31
Left Out: 307.143+/-0.050 χ²/NDF:1320147.4/24
Right Out: 396.246+/-0.076 χ²/NDF: 13417841.6/35
Left In: 310.698+/-0.052 χ²/NDF:1079479.8/22
Left: 308.857+/-0.036 χ²/NDF: 2402026.6/47
Right: 411.145+/-0.055 χ²/NDF: 24468916.4/67
In: 346.078+/-0.044 χ²/NDF:13564559.1/54
Out: 334.484+/-0.042 χ²/NDF:15697270.1/60
All: 340.060+/-0.030 χ²/NDF: 29298554.3/11

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: -53.094+/-18.522 χ^2/NDF: 65.7/35

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

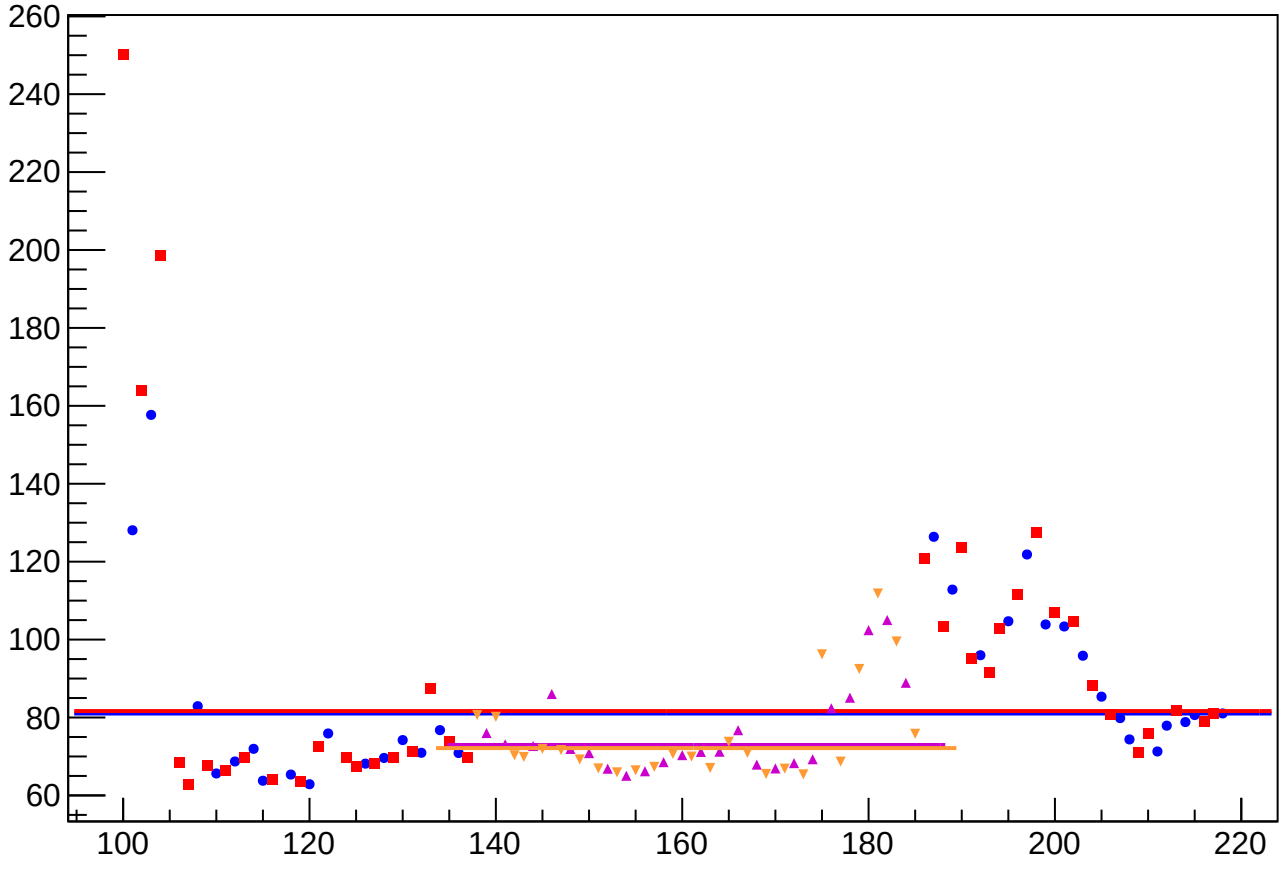
Right: -64.661+/-13.075 χ^2/NDF: 78.5/67

In: 19.625+/-12.607 χ^2/NDF:95.2/54

Out: 31.843+/-12.372 χ^2/NDF:131.4/60

All: 25.849+/-8.830 χ^2/NDF: 227.0/115

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: 81.655+/-0.013 χ^2/NDF: 2128859.9/35

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

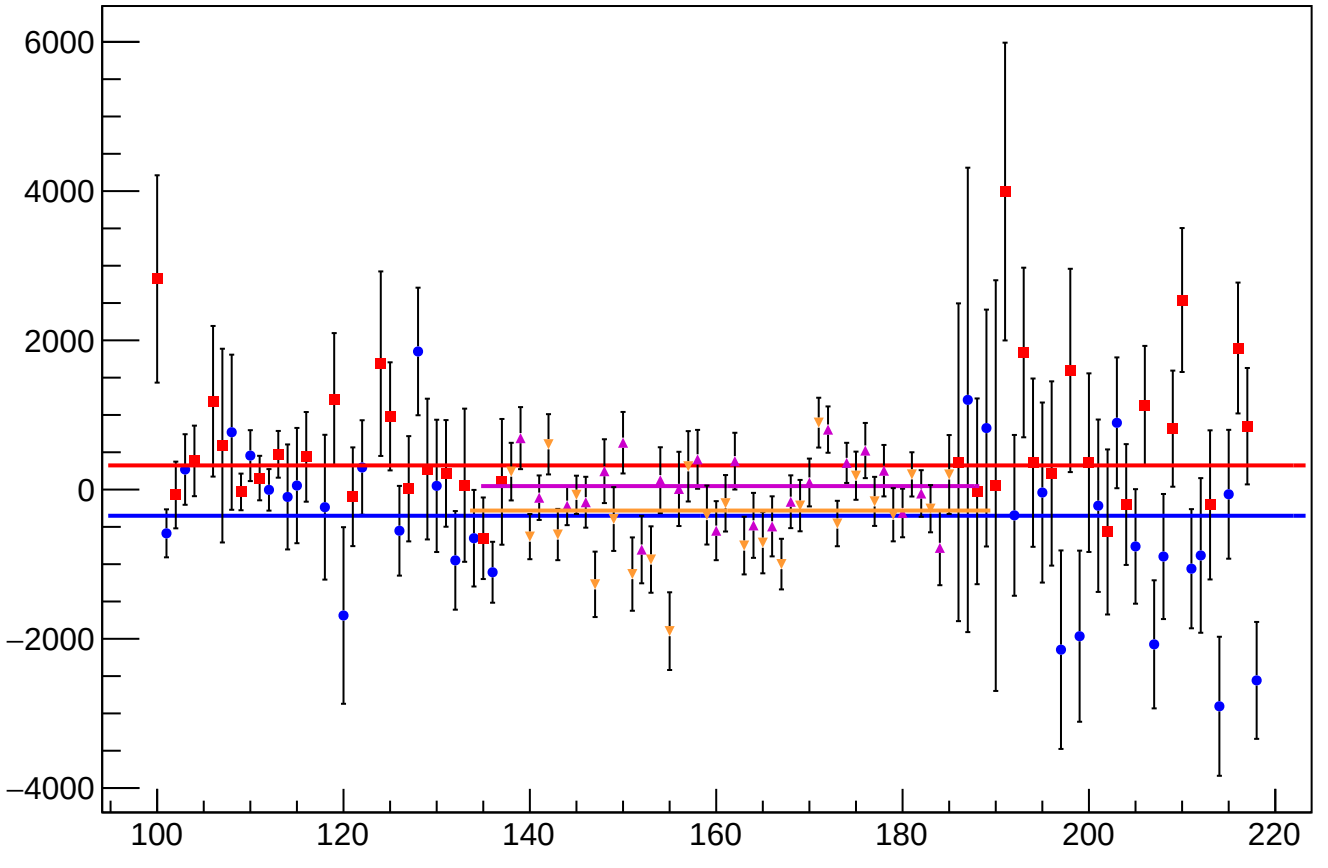
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 81.340+/-0.009 χ^2/NDF: 3635417.6/67

In: 76.717+/-0.009 χ^2/NDF:2218828.7/54

Out: 76.391+/-0.009 χ^2/NDF:3062534.6/60

All: 76.551+/-0.006 χ^2/NDF: 5282044.9/115



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: 323.774+/-108.743 χ^2/NDF: 32.3/35

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

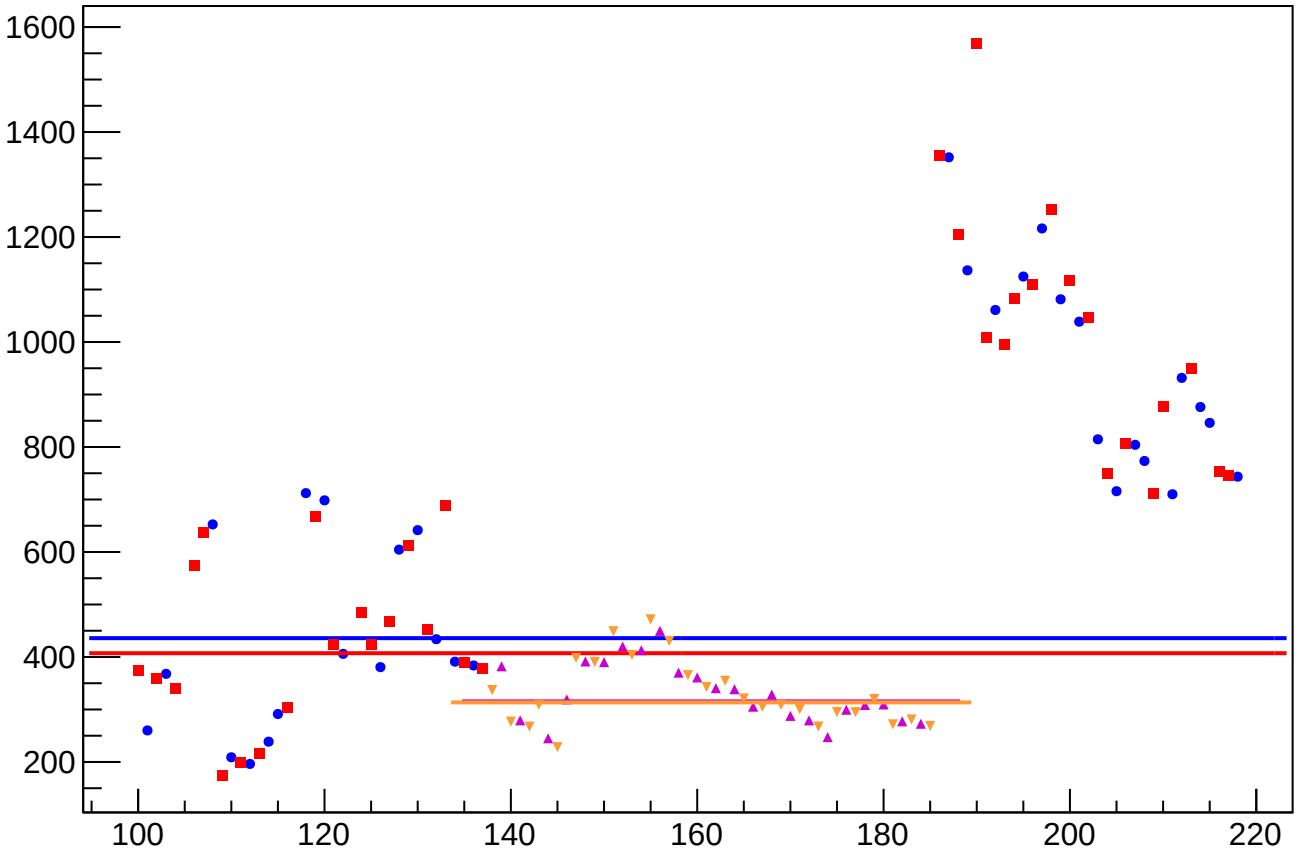
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 1.861+/-78.638 χ^2/NDF: 103.4/67

In: -73.520+/-62.572 χ^2/NDF:92.0/54

Out: -94.906+/-60.344 χ^2/NDF:110.5/60

All: -84.601+/-43.436 χ^2/NDF: 202.6/115



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: 407.210+/-0.077 χ^2/NDF: 12934177.2/35

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

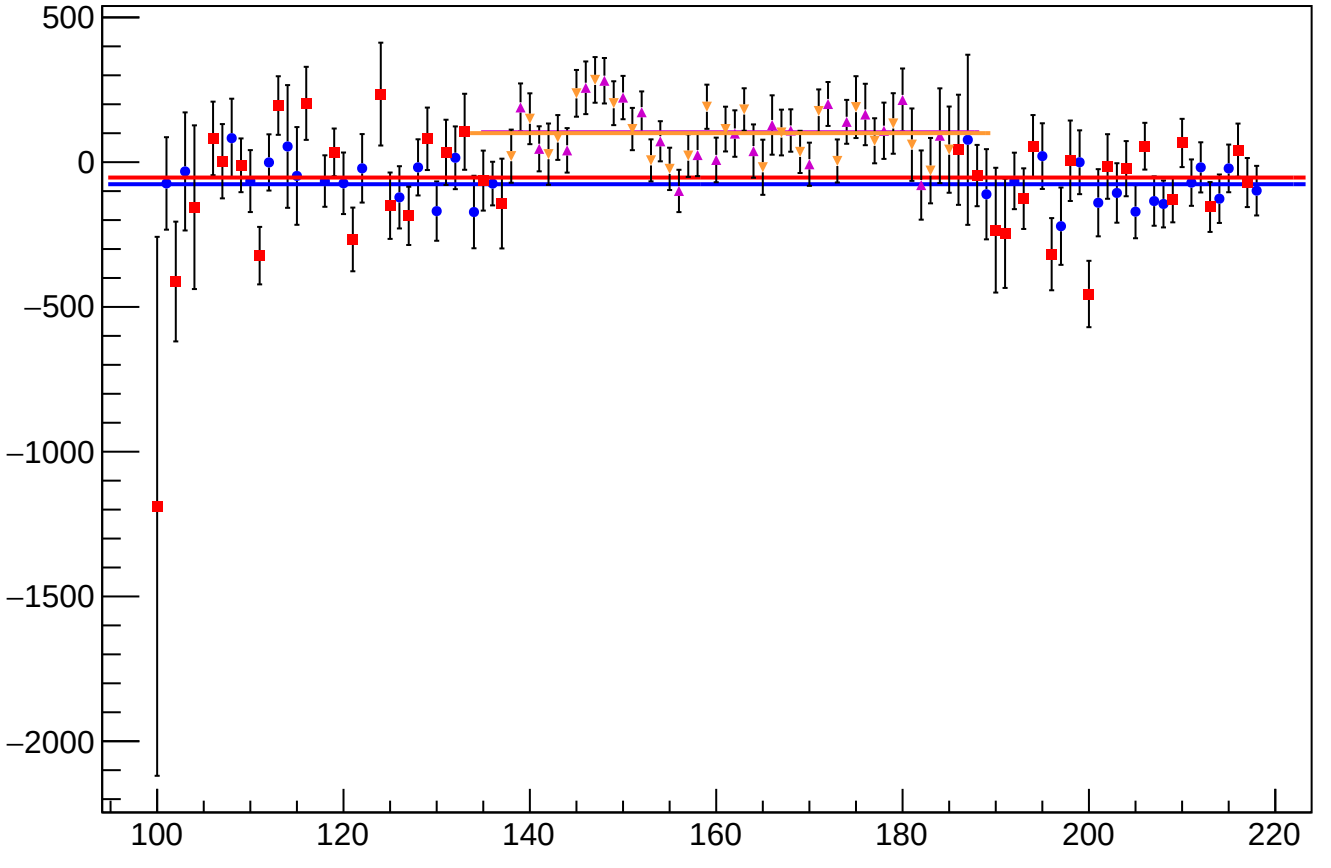
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 420.886+/-0.056 χ^2/NDF: 23817366.2/67

In: 351.828+/-0.044 χ^2/NDF:13387049.8/54

Out: 342.357+/-0.043 χ^2/NDF:15137572.6/60

All: 346.921+/-0.031 χ^2/NDF: 28548361.4/11



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: -53.096+/-18.522 χ^2/NDF: 65.7/35

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

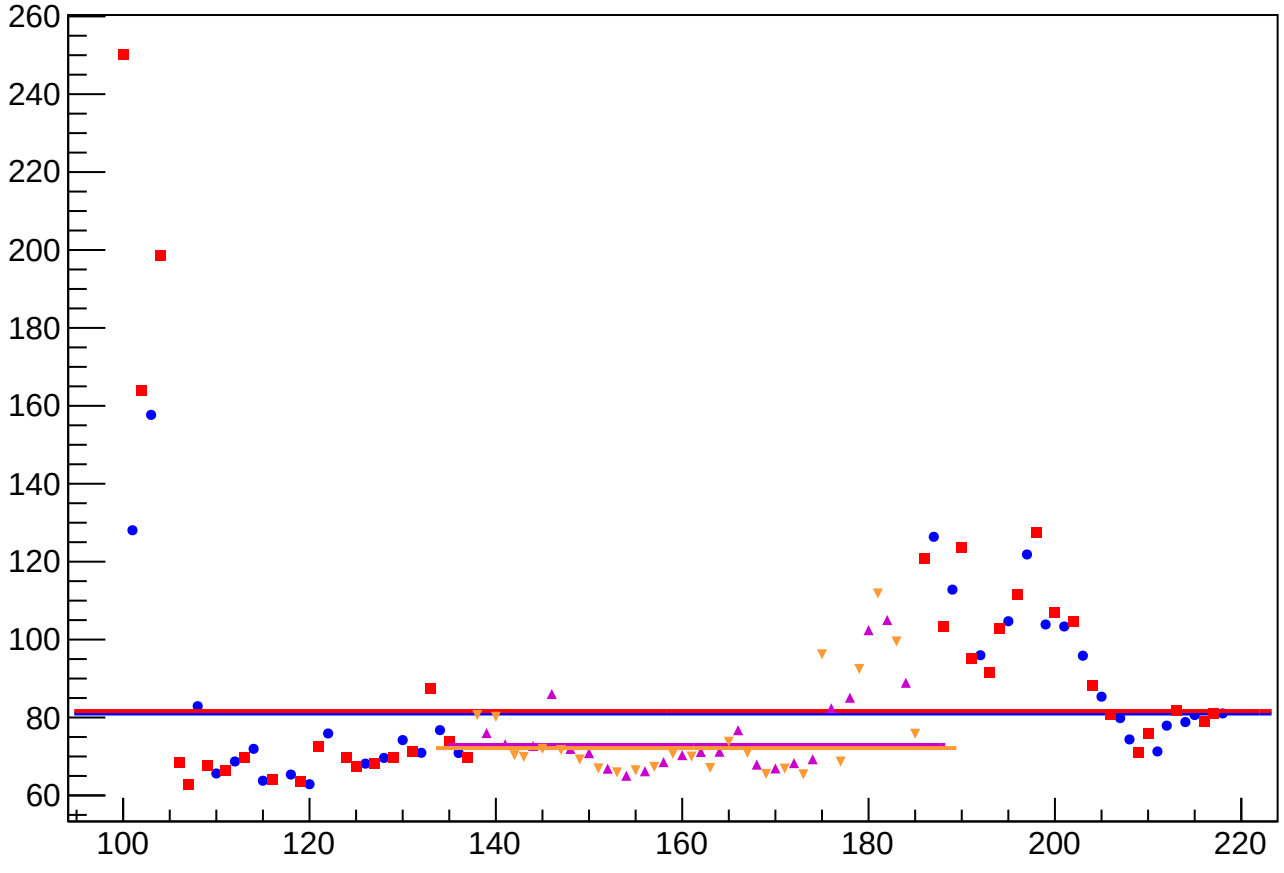
Right: -64.661+/-13.075 χ^2/NDF: 78.5/67

In: 19.625+/-12.607 χ^2/NDF:95.2/54

Out: 31.842+/-12.372 χ^2/NDF:131.4/60

All: 25.849+/-8.830 χ^2/NDF: 227.0/115

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: 81.655+/-0.013 χ^2/NDF: 2128861.4/35

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

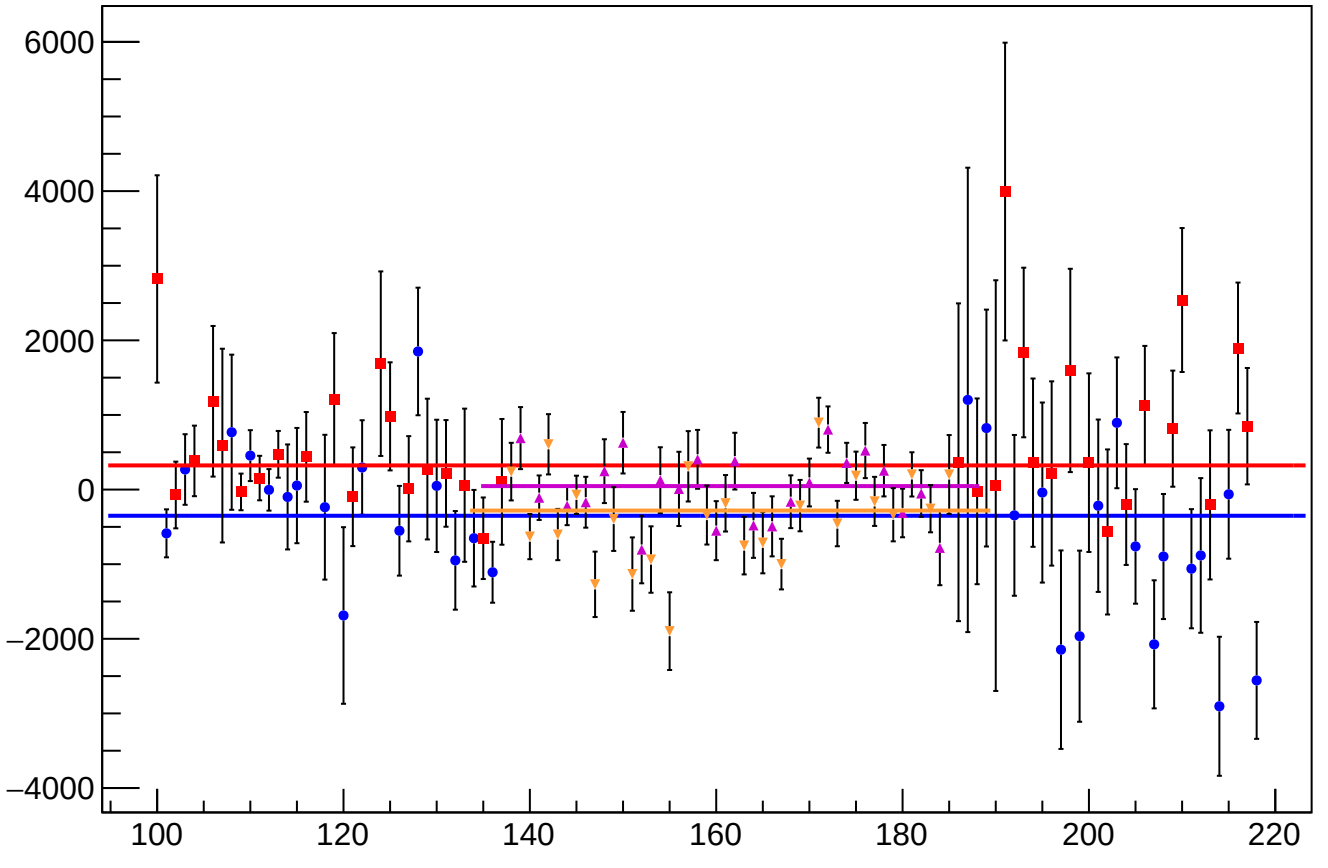
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

Right: 81.340+/-0.009 χ^2/NDF: 3635425.7/67

In: 76.717+/-0.009 χ^2/NDF:2218832.5/54

Out: 76.391+/-0.009 χ^2/NDF:3062527.9/60

All: 76.551+/-0.006 χ^2/NDF: 5282042.0/115



Right In: -351.020+/-113.854 χ^2/NDF: 52.8/31

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 323.772+/-108.742 χ^2/NDF: 32.3/35

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

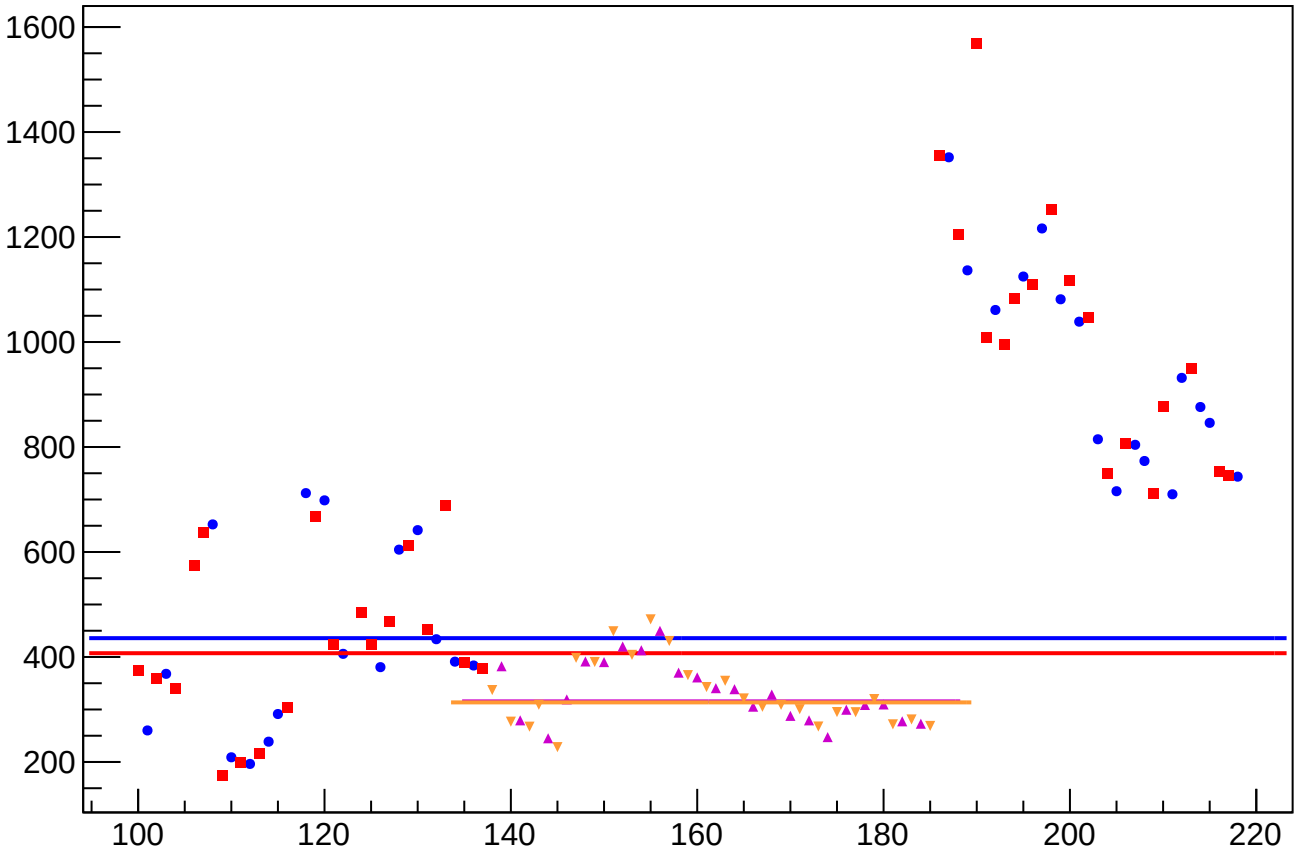
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 1.862+/-78.637 χ^2/NDF: 103.4/67

In: -73.520+/-62.572 χ^2/NDF:92.0/54

Out: -94.906+/-60.344 χ^2/NDF:110.5/60

All: -84.601+/-43.436 χ^2/NDF: 202.6/115



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: 407.207+/-0.077 χ^2/NDF: 12934251.3/35

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

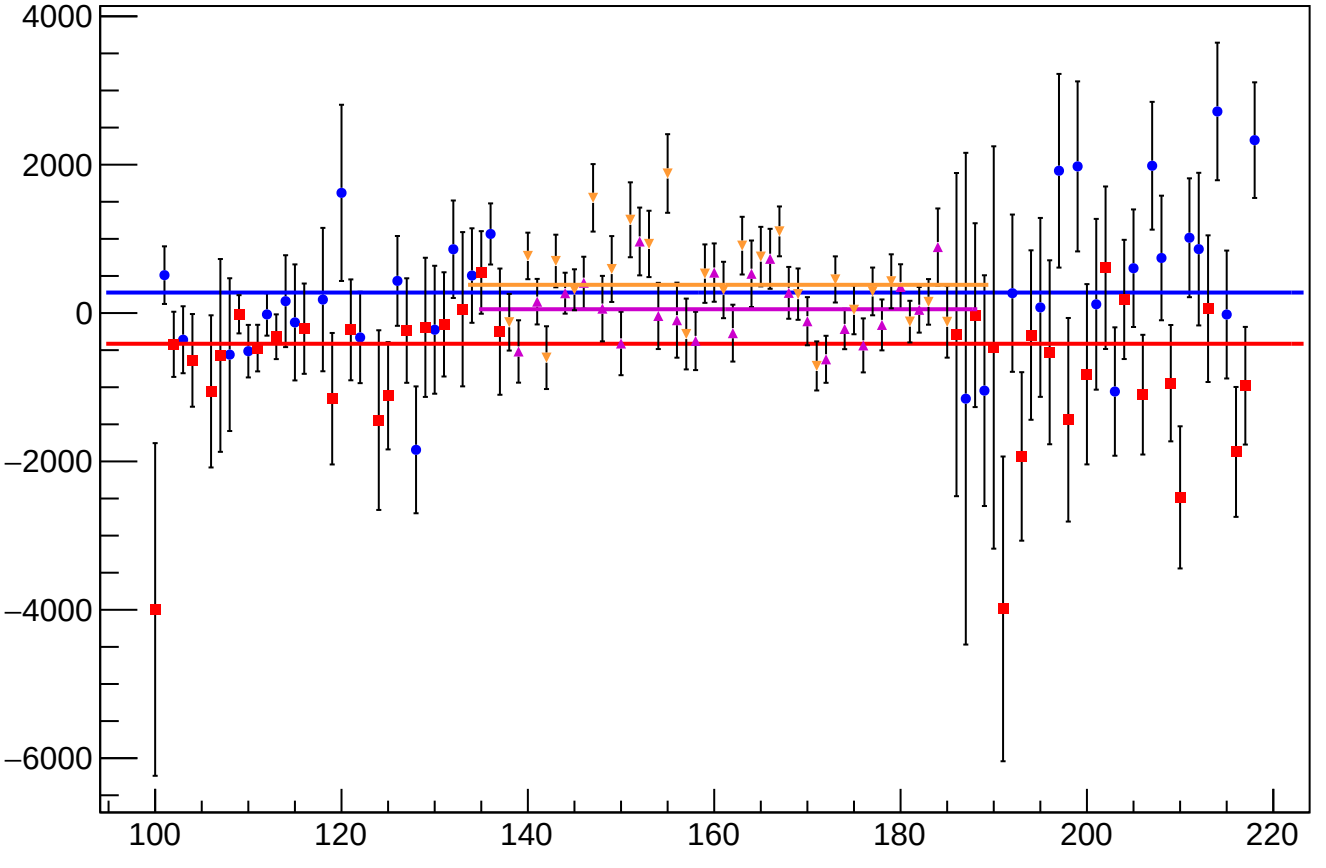
Right: 420.884+/-0.056 χ^2/NDF: 23817566.8/67

In: 351.827+/-0.044 χ^2/NDF:13387102.7/54

Out: 342.357+/-0.043 χ^2/NDF:15137611.7/60

All: 346.920+/-0.031 χ^2/NDF: 28548453.3/11

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: -413.939+/-111.586 χ^2/NDF: 28.0/35

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

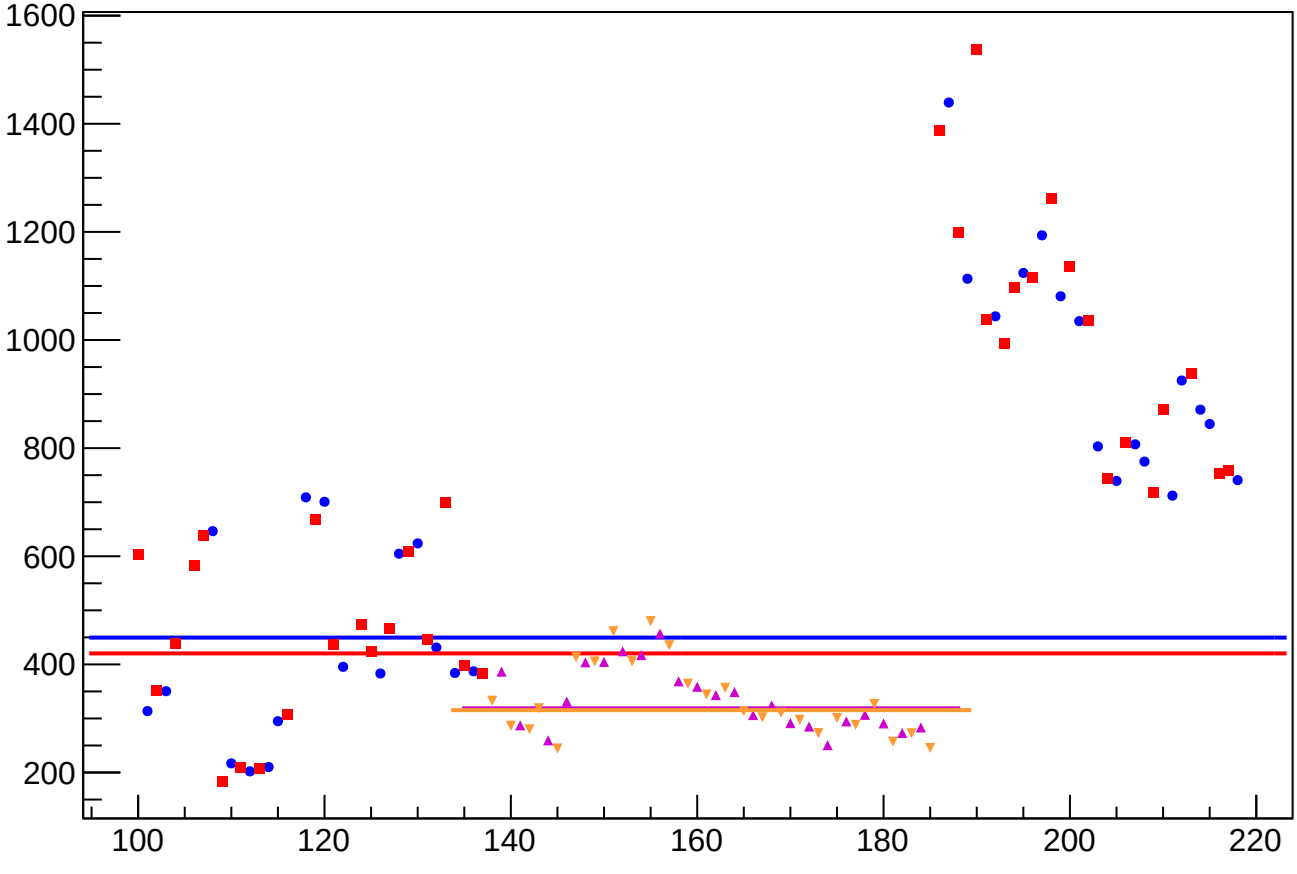
Right: -82.910+/-80.503 χ^2/NDF: 95.8/67

In: 118.357+/-63.395 χ^2/NDF:80.3/54

Out: 142.226+/-61.122 χ^2/NDF:118.9/60

All: 130.727+/-44.001 χ^2/NDF: 199.3/115

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: 420.322+/-0.079 χ^2/NDF: 12576452.4/35

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

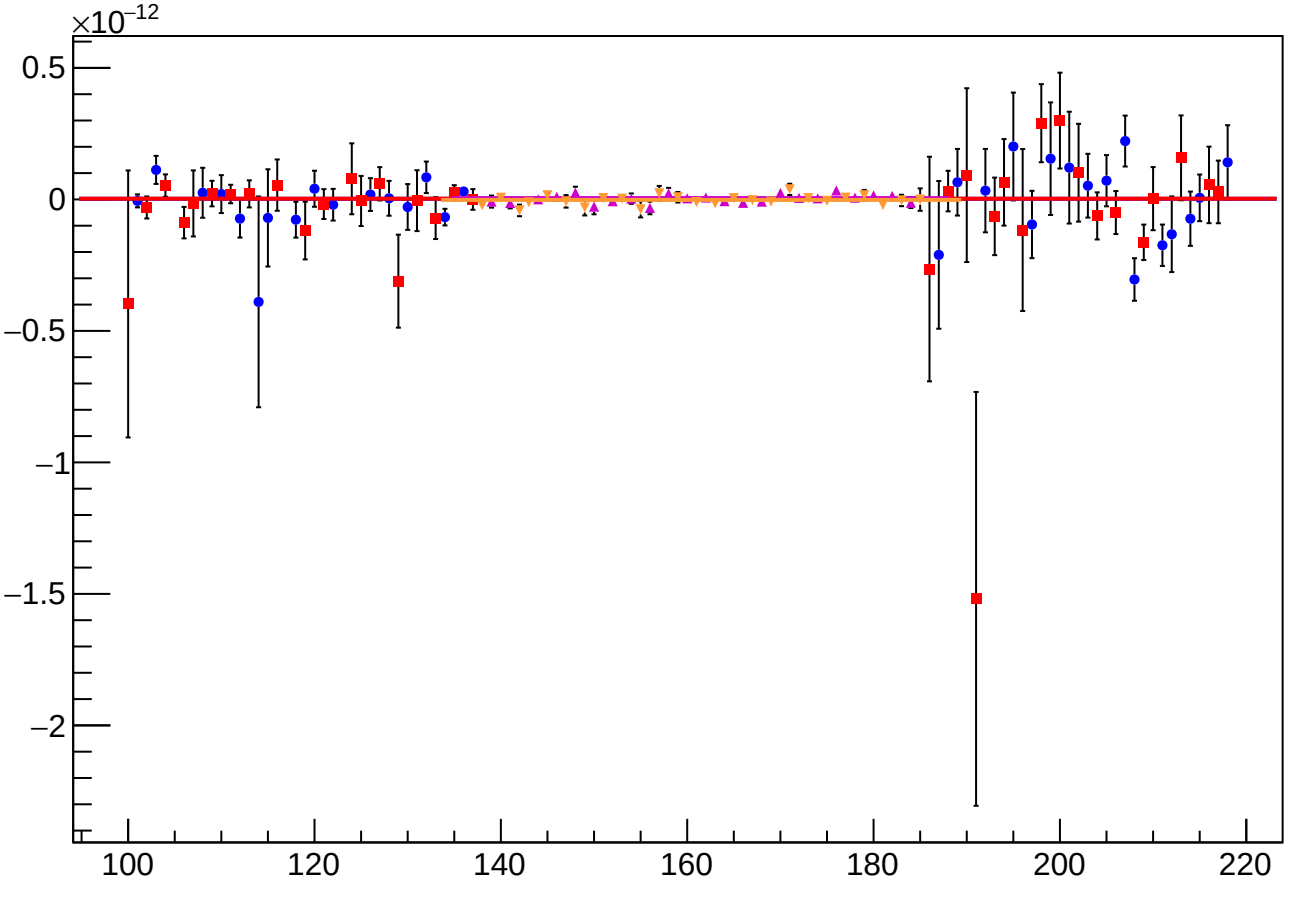
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 434.359+/-0.057 χ^2/NDF: 22857157.6/67

In: 357.616+/-0.045 χ^2/NDF:12988156.3/54

Out: 346.877+/-0.043 χ^2/NDF:15024358.7/60

All: 352.051+/-0.031 χ^2/NDF: 28042257.4/11



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: 32.5/35

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

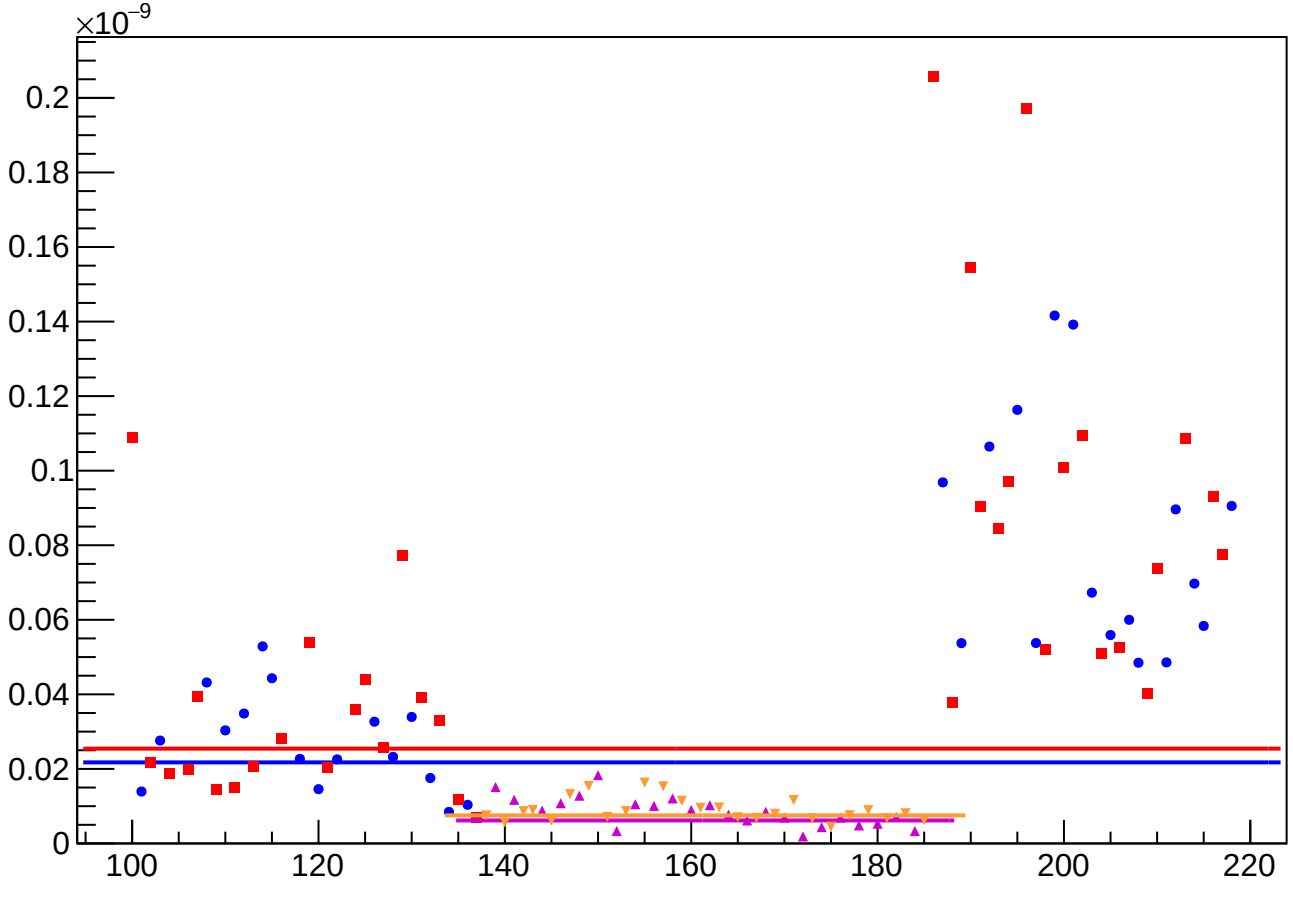
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 81.2/67

In: 0.000+/-0.000 χ^2/NDF:66.4/54

Out: -0.000+/-0.000 χ^2/NDF:51.6/60

All: 0.000+/-0.000 χ^2/NDF: 120.0/115



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: 6811007.5/35

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

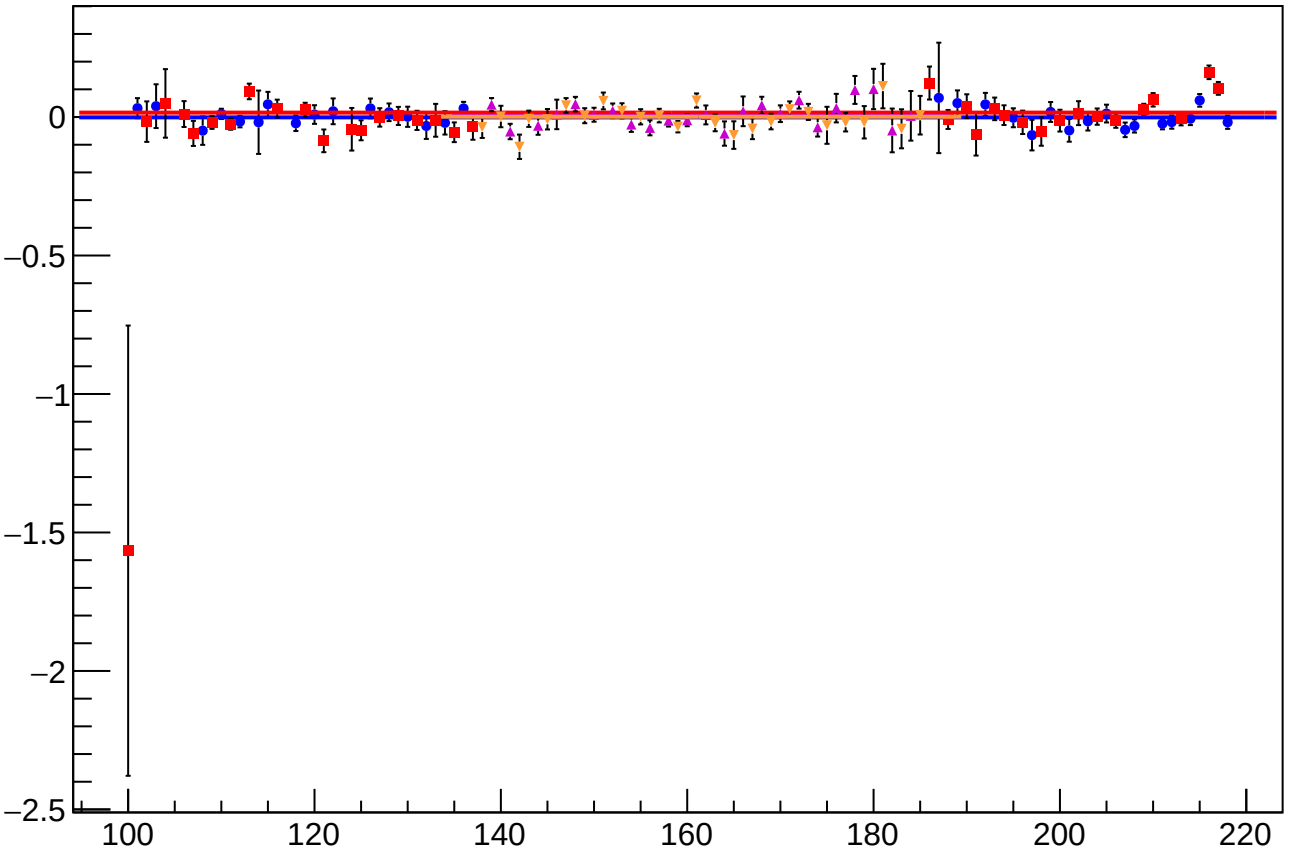
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14319677.1/67

In: 0.000+/-0.000 χ^2/NDF:14424101.3/54

Out: 0.000+/-0.000 χ^2/NDF:12294860.2/60

All: 0.000+/-0.000 χ^2/NDF: 26925634.1/115



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: 0.016+/-0.006 χ^2/NDF: 102.0/35

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

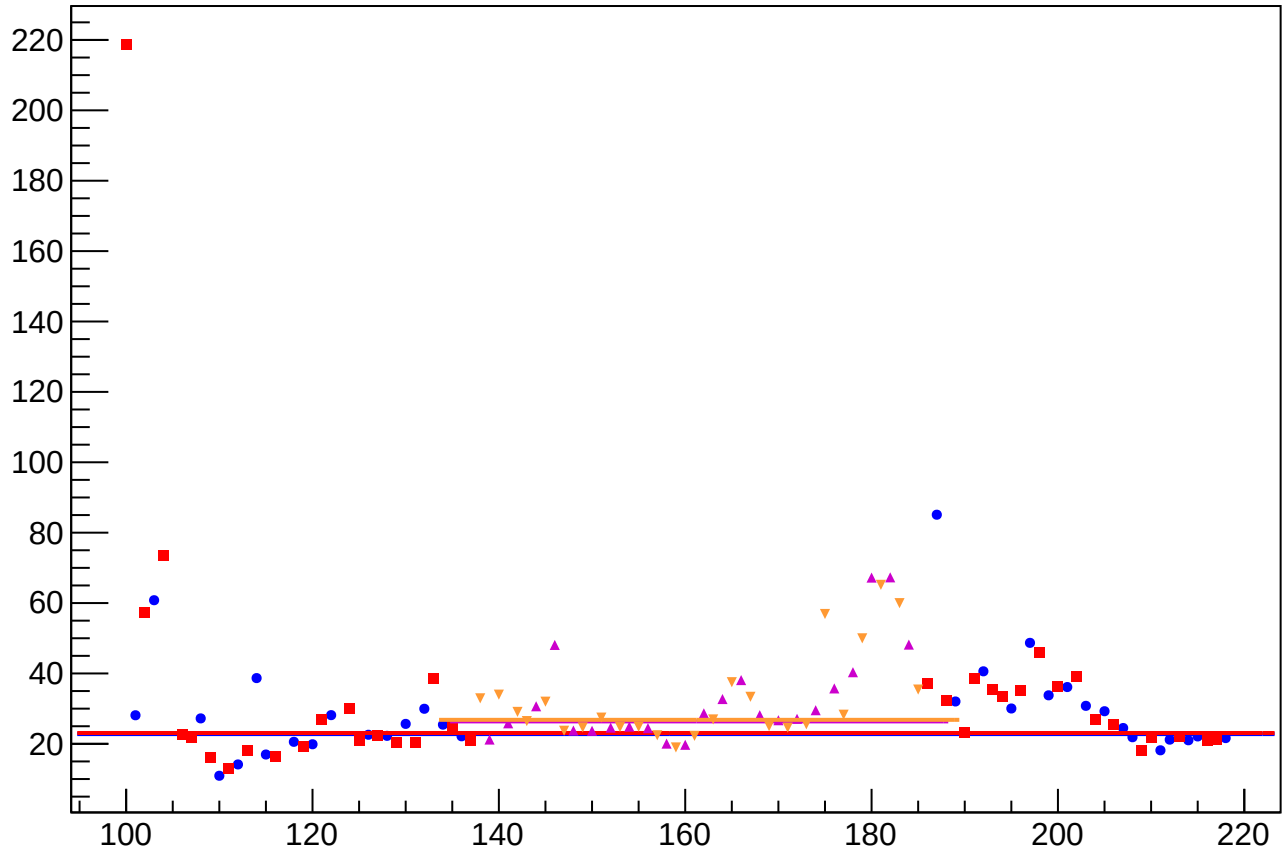
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.007+/-0.004 χ^2/NDF: 135.6/67

In: 0.001+/-0.004 χ^2/NDF:60.2/54

Out: 0.010+/-0.004 χ^2/NDF:135.3/60

All: 0.005+/-0.003 χ^2/NDF: 197.7/115



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: 23.082+/-0.004 χ^2/NDF: 3986924.5/35

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

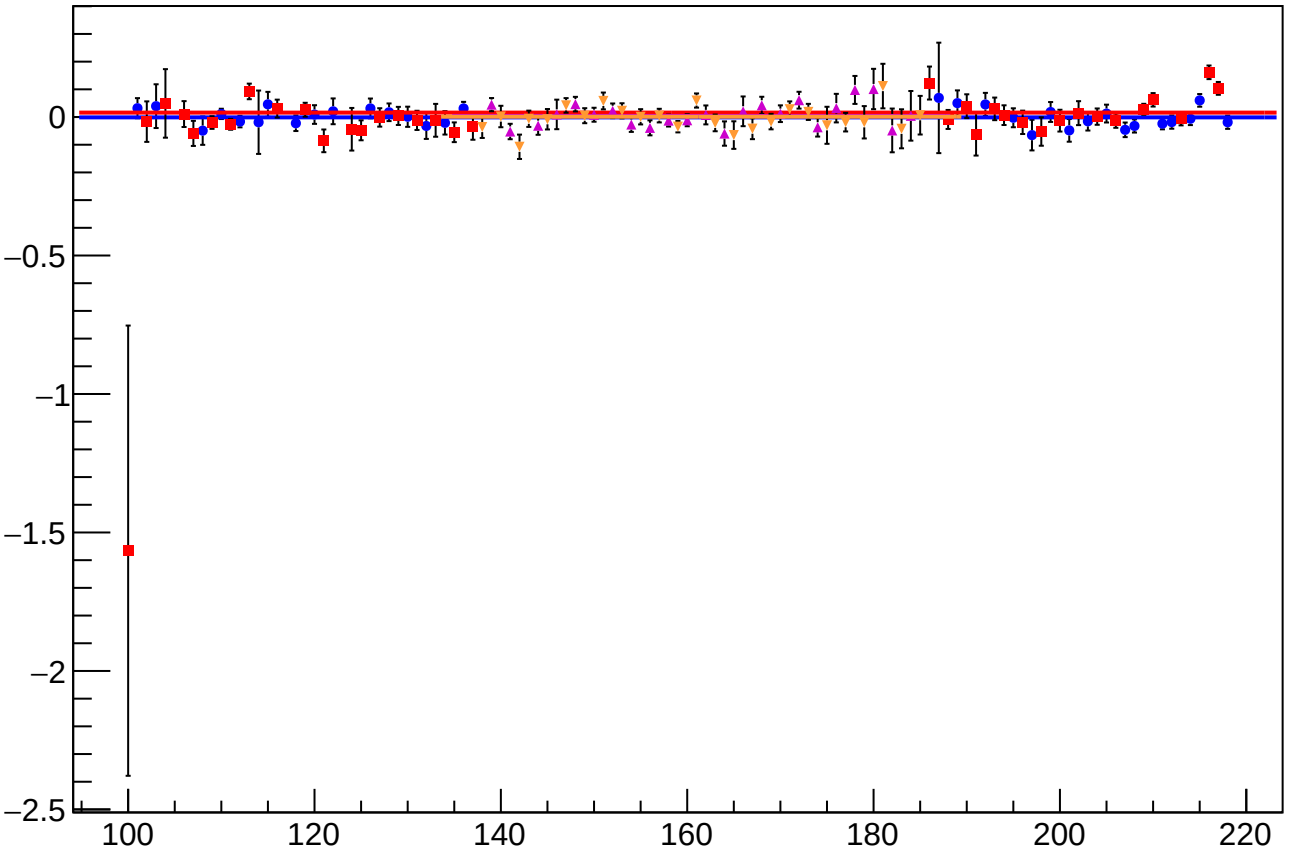
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 22.925+/-0.003 χ^2/NDF: 7770773.8/67

In: 24.239+/-0.003 χ^2/NDF:6700614.7/54

Out: 24.650+/-0.003 χ^2/NDF:6841471.6/60

All: 24.445+/-0.002 χ^2/NDF: 13551617.3/115



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: 0.016+/-0.006 χ^2/NDF: 102.0/35

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

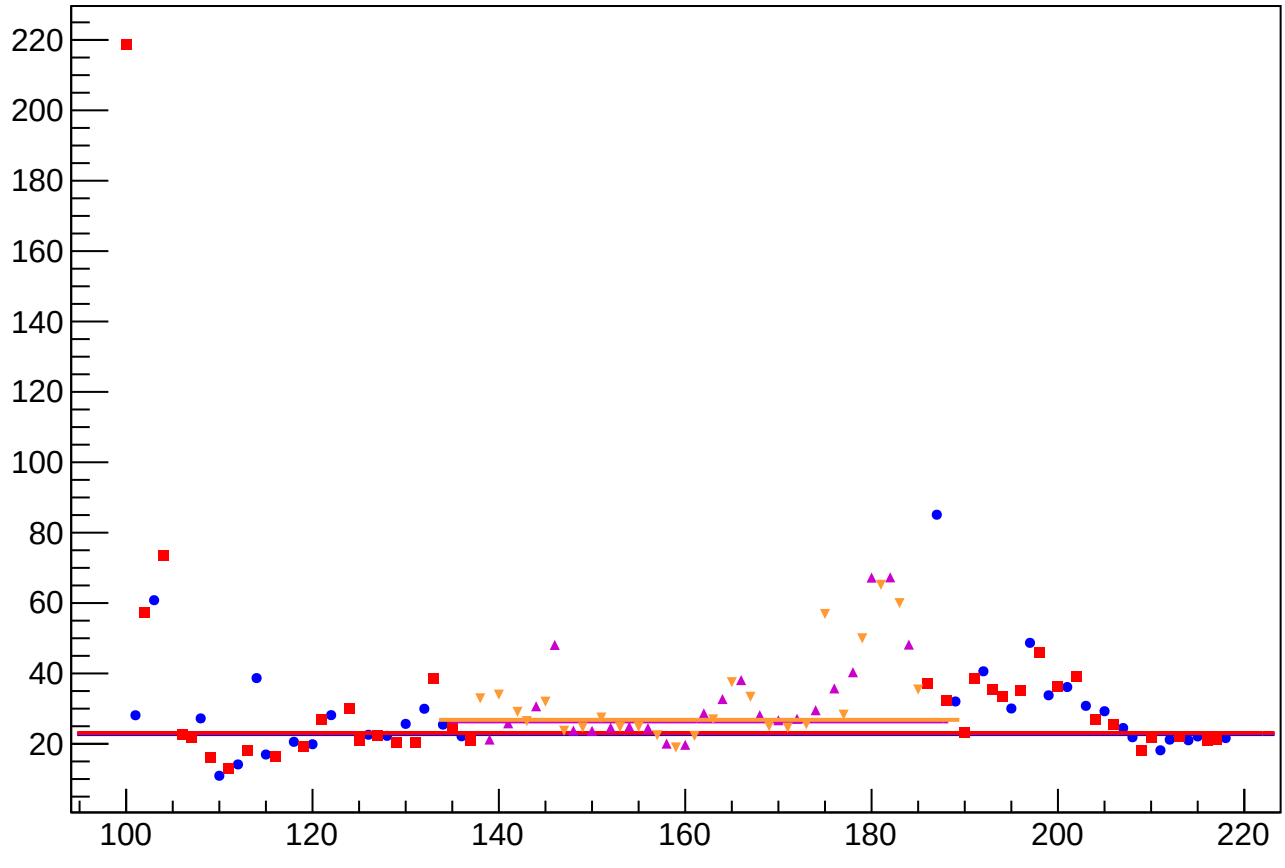
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.007+/-0.004 χ^2/NDF: 135.6/67

In: 0.001+/-0.004 χ^2/NDF:60.2/54

Out: 0.010+/-0.004 χ^2/NDF:135.3/60

All: 0.005+/-0.003 χ^2/NDF: 197.7/115



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: 23.082+/-0.004 χ^2/NDF: 3986924.5/35

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

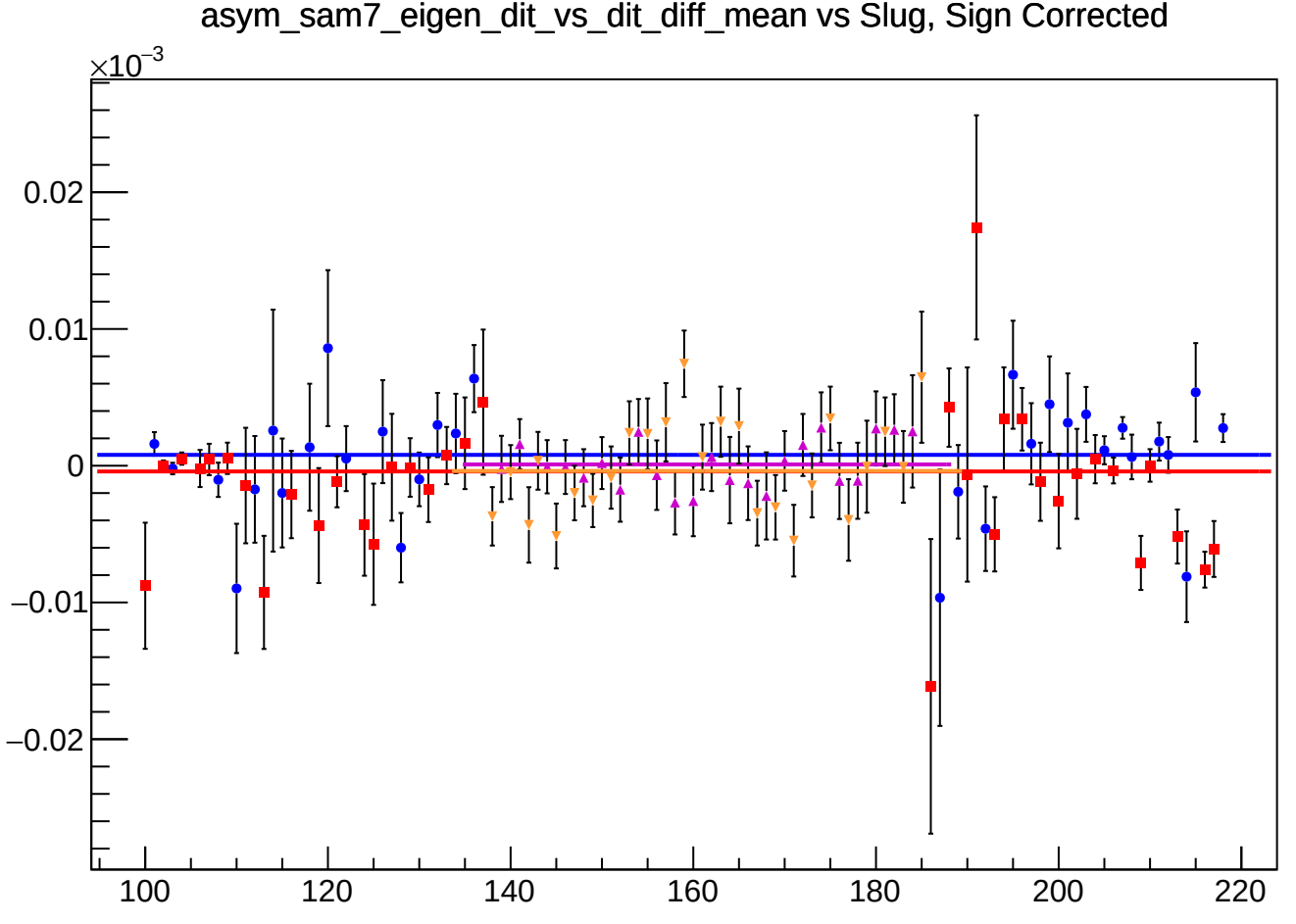
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 22.925+/-0.003 χ^2/NDF: 7770773.8/67

In: 24.239+/-0.003 χ^2/NDF:6700614.7/54

Out: 24.650+/-0.003 χ^2/NDF:6841471.6/60

All: 24.445+/-0.002 χ^2/NDF: 13551617.3/115



Right In: 0.000+/-0.000 χ^2/NDF: 60.5/31

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 92.5/35

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

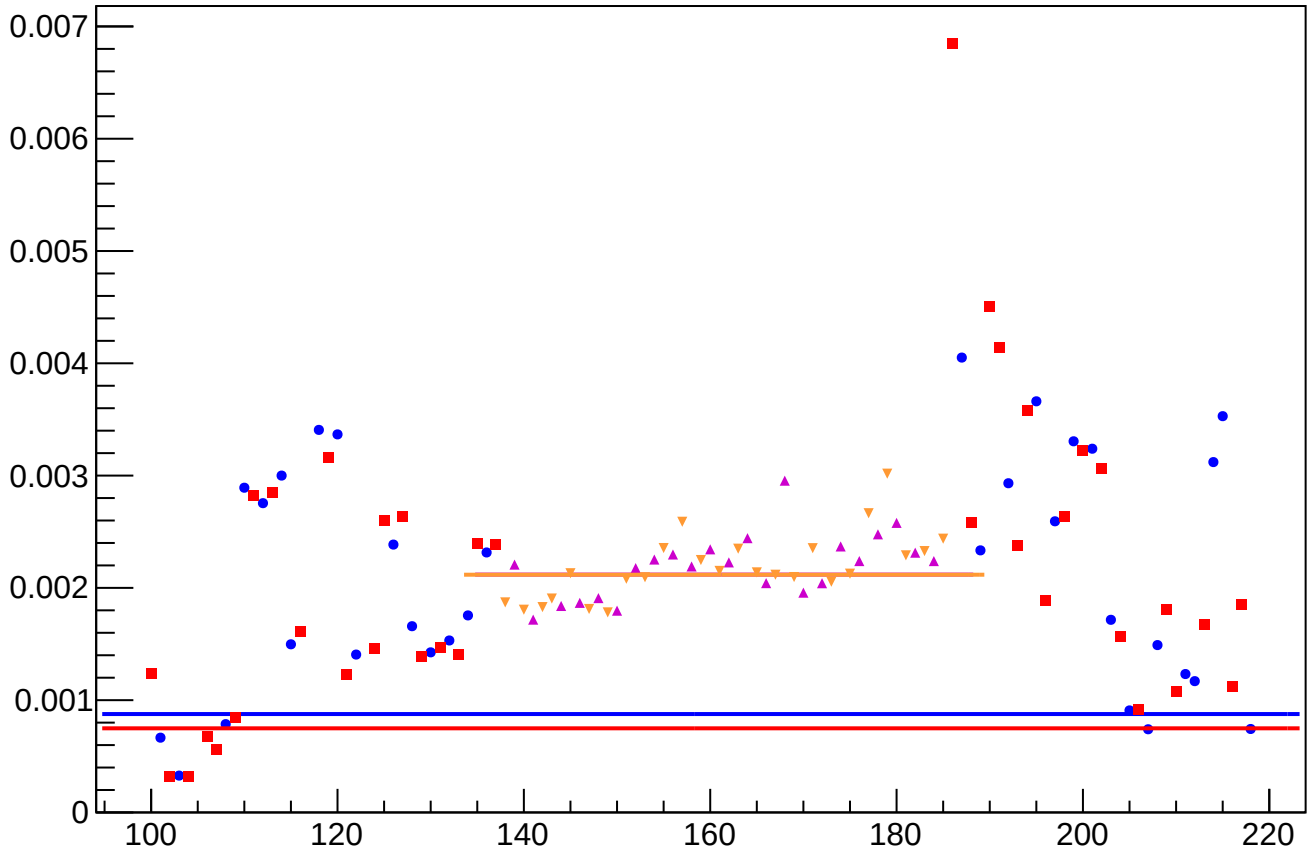
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: 0.000+/-0.000 χ^2/NDF: 165.4/67

In: 0.000+/-0.000 χ^2/NDF:72.2/54

Out: -0.000+/-0.000 χ^2/NDF:135.6/60

All: 0.000+/-0.000 χ^2/NDF: 219.6/115



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: 18080114.9/35

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

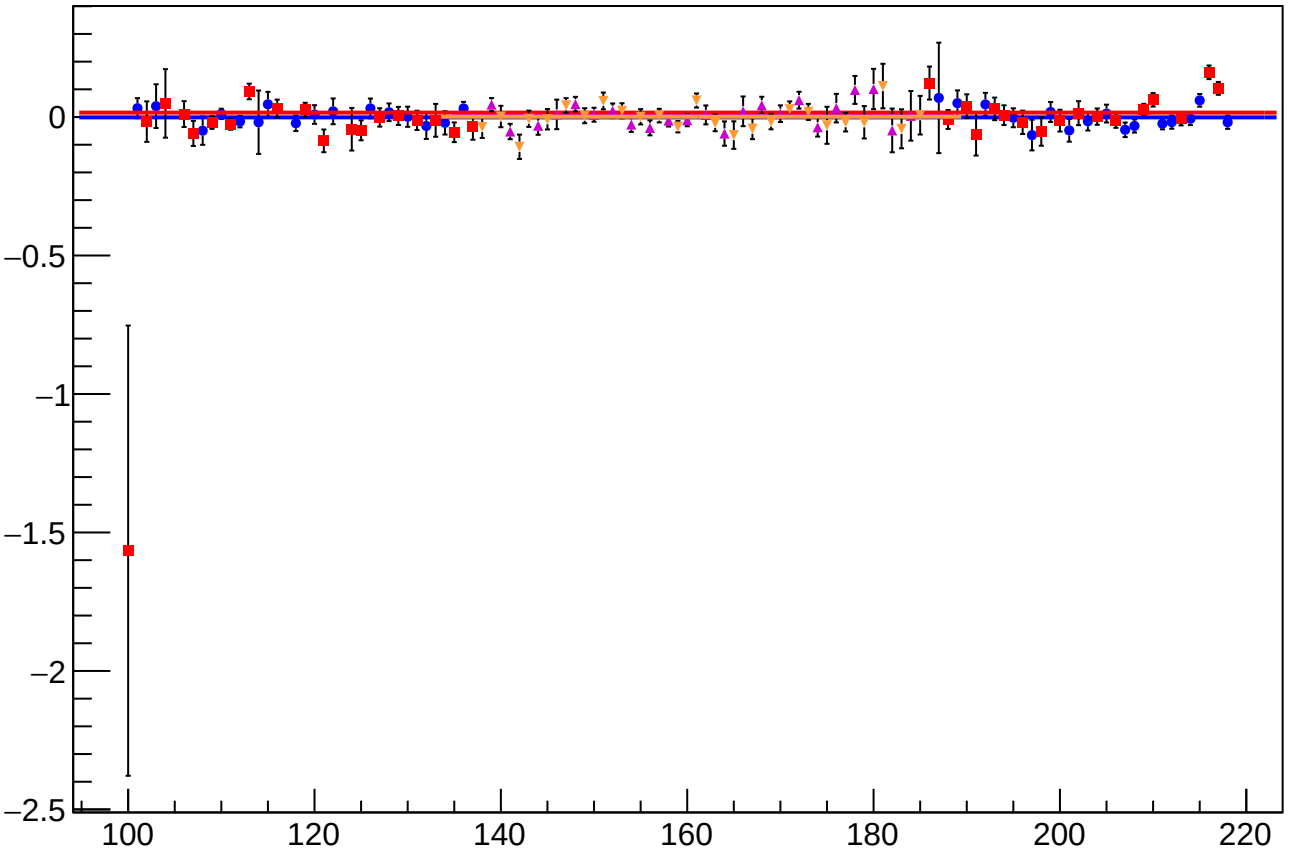
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 33540098.3/67

In: 0.001+/-0.000 χ^2/NDF:25503485.5/54

Out: 0.001+/-0.000 χ^2/NDF:31610698.4/60

All: 0.001+/-0.000 χ^2/NDF: 57531277.5/115



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: 0.016+/-0.006 χ^2/NDF: 101.9/35

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

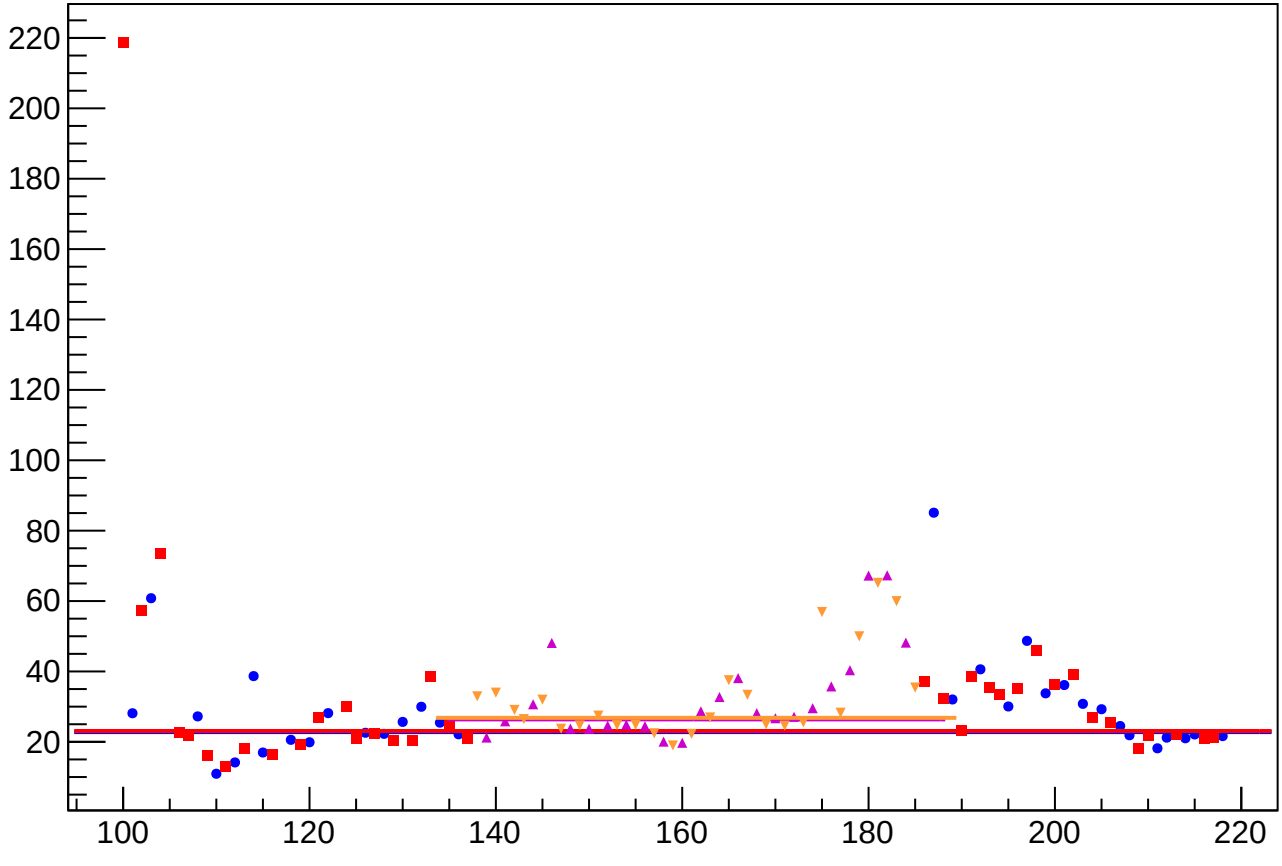
Right: 0.007+/-0.004 χ^2/NDF: 135.6/67

In: 0.001+/-0.004 χ^2/NDF:60.2/54

Out: 0.010+/-0.004 χ^2/NDF:135.3/60

All: 0.005+/-0.003 χ^2/NDF: 197.7/115

asym_sam7_eigen_dit_vs_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: 23.082+/-0.004 χ^2/NDF: 3986720.7/35

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

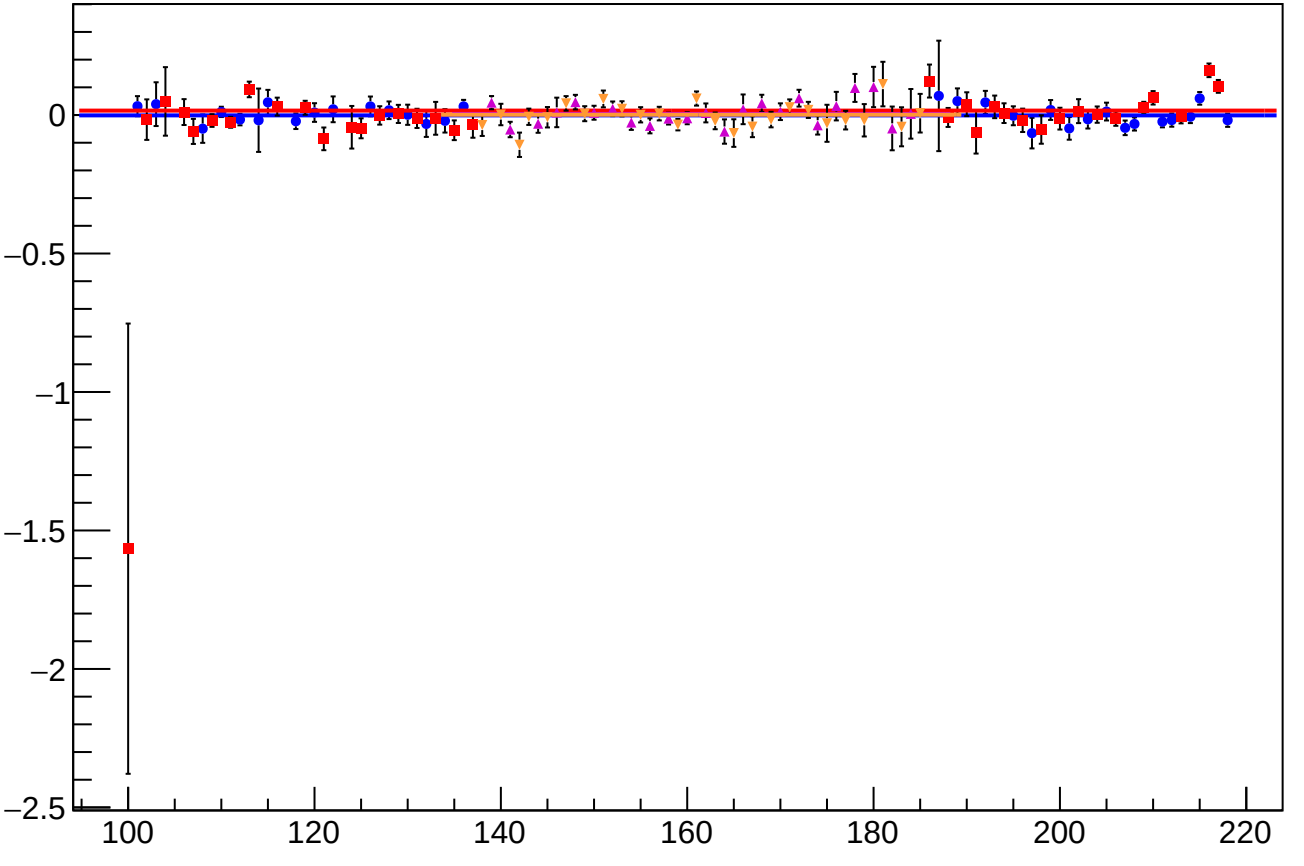
Right: 22.925+/-0.003 χ^2/NDF: 7770290.9/67

In: 24.239+/-0.003 χ^2/NDF:6700327.3/54

Out: 24.650+/-0.003 χ^2/NDF:6841306.1/60

All: 24.445+/-0.002 χ^2/NDF: 13551153.5/115

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: 0.016+/-0.006 χ^2/NDF: 101.9/35

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

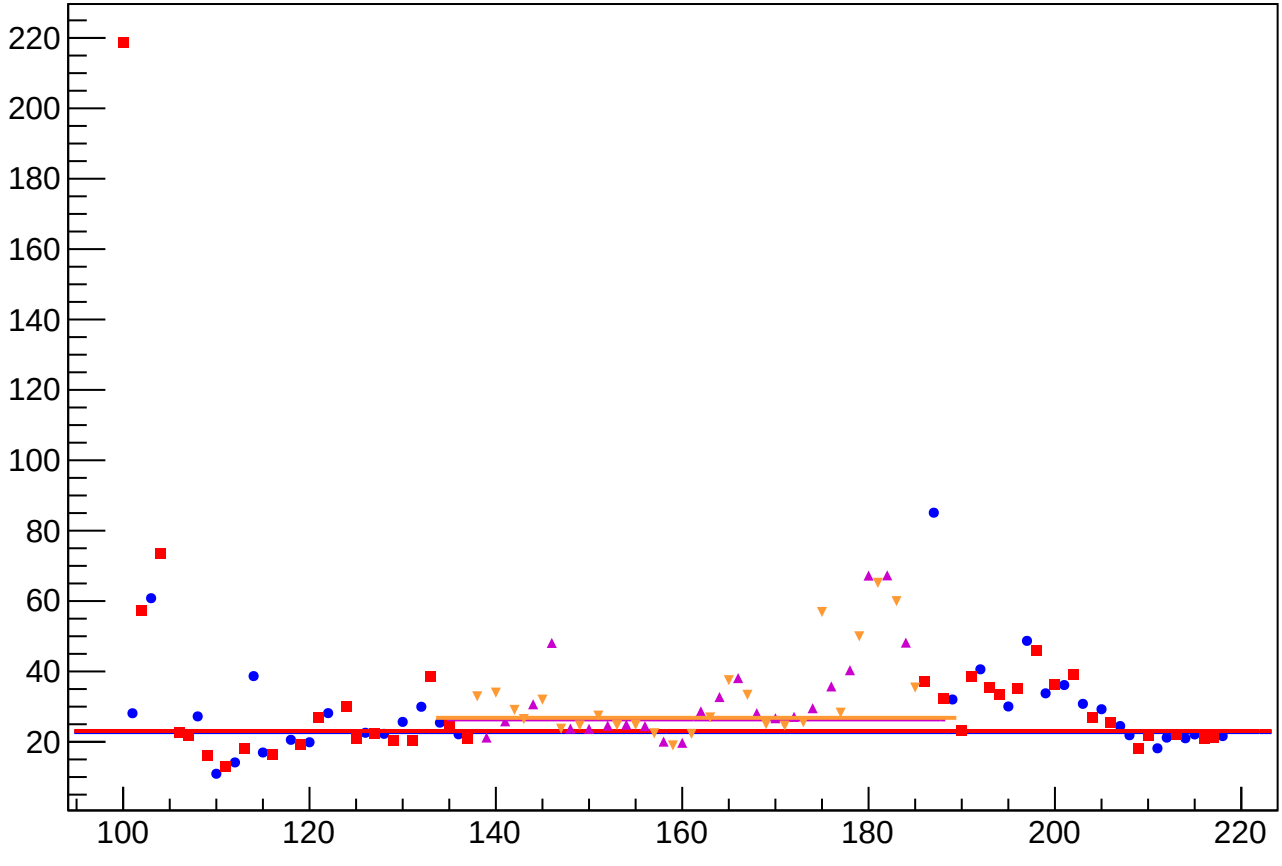
Right: 0.007+/-0.004 χ^2/NDF: 135.6/67

In: 0.001+/-0.004 χ^2/NDF:60.2/54

Out: 0.010+/-0.004 χ^2/NDF:135.3/60

All: 0.005+/-0.003 χ^2/NDF: 197.7/115

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: 23.082+/-0.004 χ^2/NDF: 3986720.7/35

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

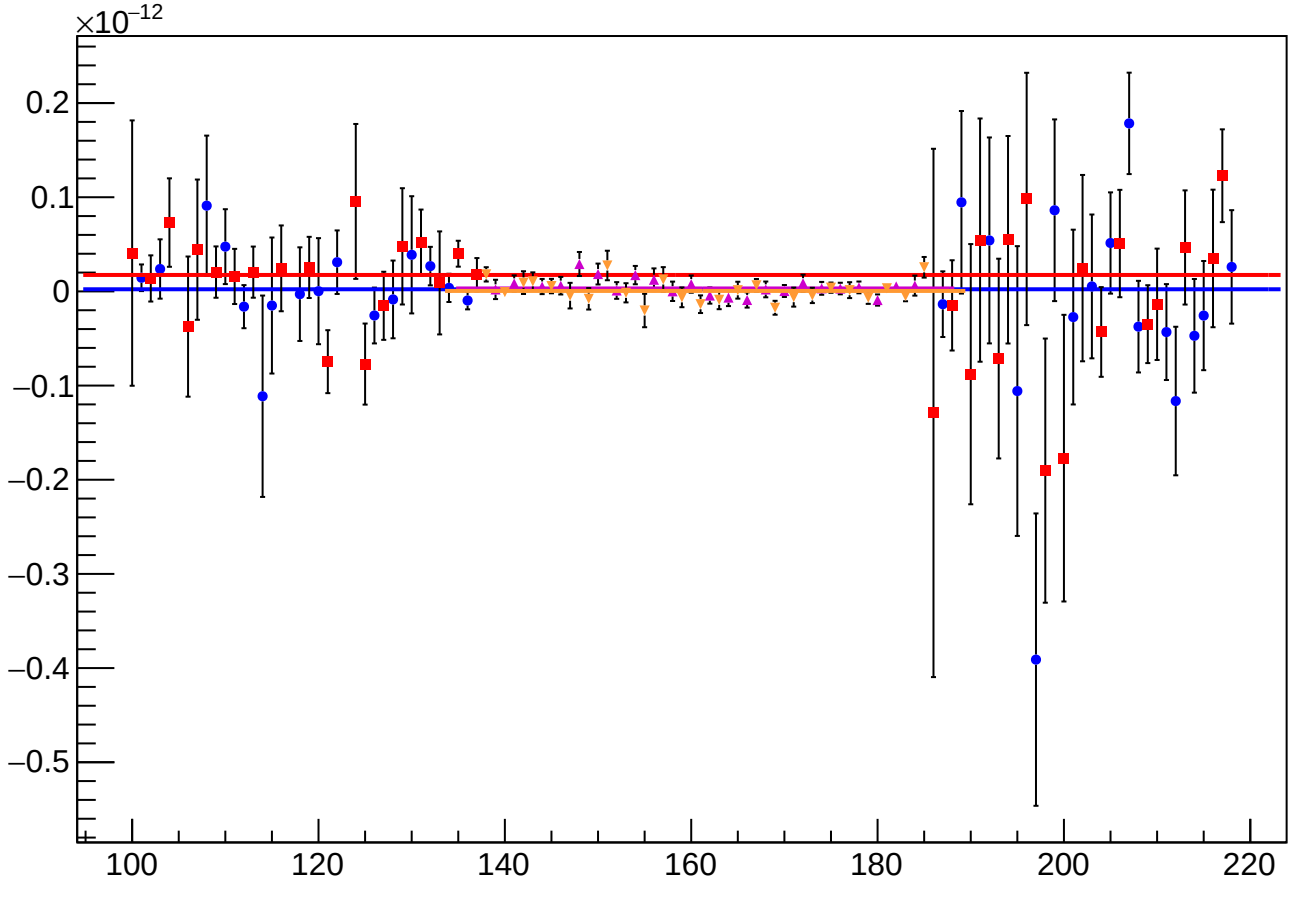
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 22.925+/-0.003 χ^2/NDF: 7770290.9/67

In: 24.239+/-0.003 χ^2/NDF:6700327.3/54

Out: 24.650+/-0.003 χ^2/NDF:6841306.1/60

All: 24.445+/-0.002 χ^2/NDF: 13551153.5/115



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: 35.4/35

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

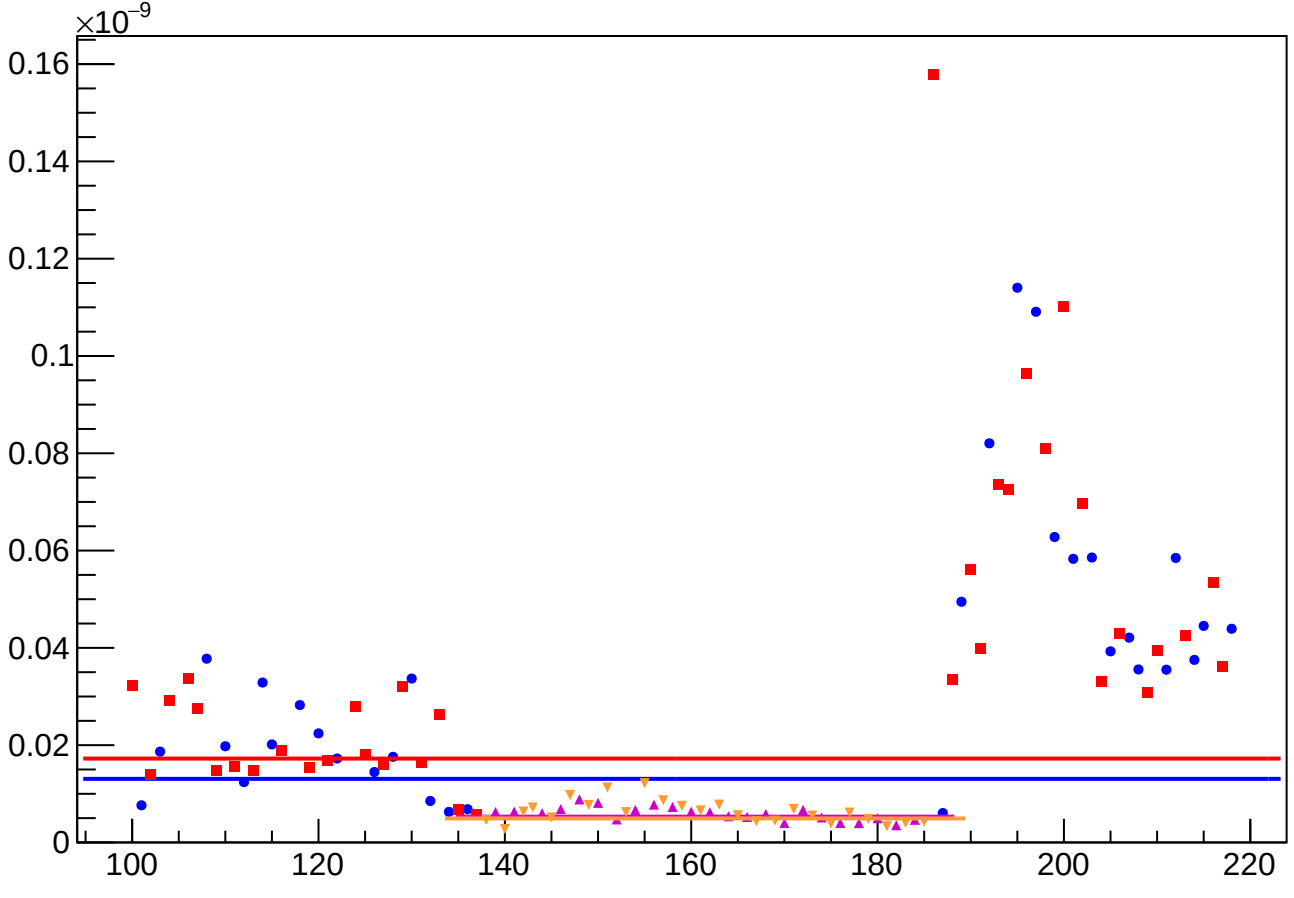
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 74.9/67

In: 0.000+/-0.000 χ^2/NDF:55.4/54

Out: 0.000+/-0.000 χ^2/NDF:74.4/60

All: 0.000+/-0.000 χ^2/NDF: 130.3/115



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: 9295514.3/35

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

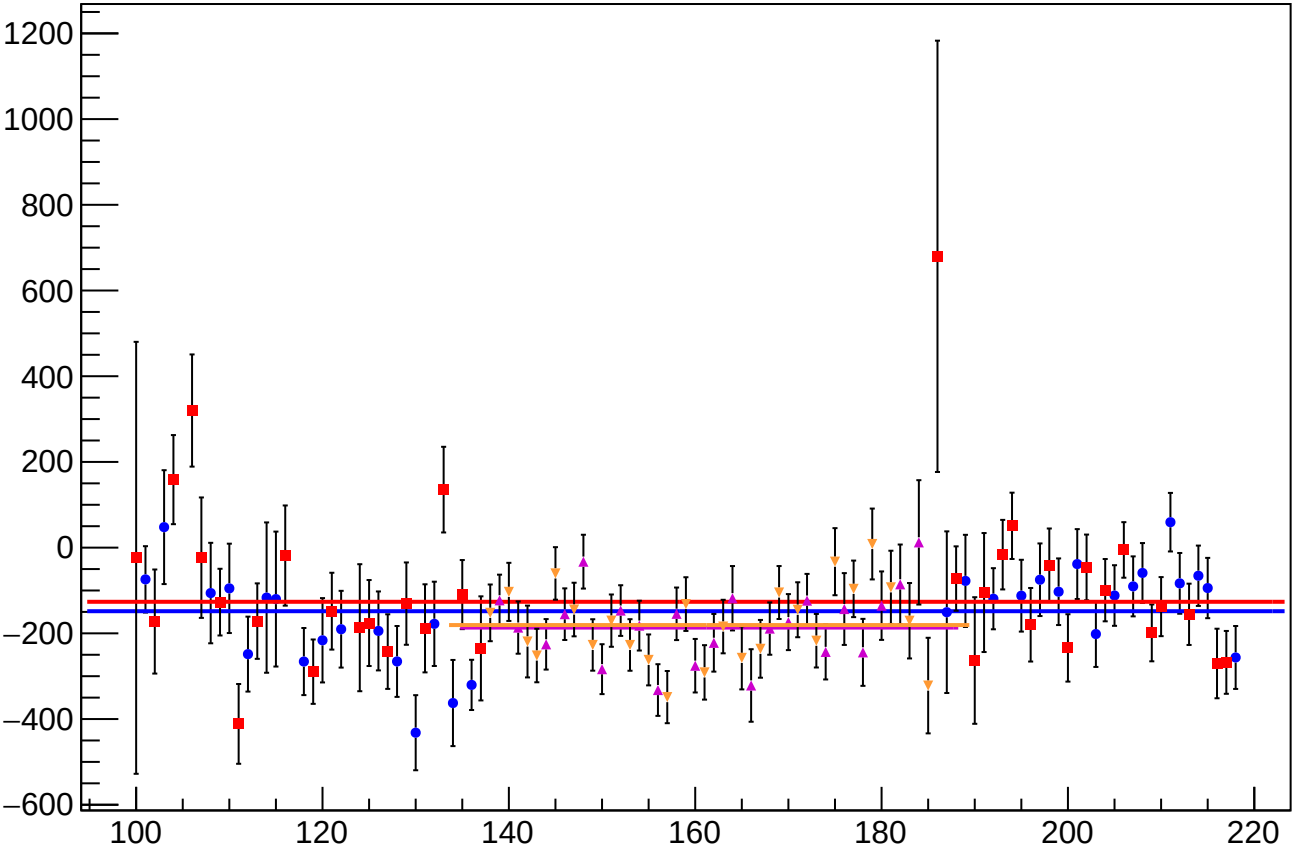
Right: 0.000+/-0.000 χ^2/NDF: 20886436.2/67

In: 0.000+/-0.000 χ^2/NDF:16166087.7/54

Out: 0.000+/-0.000 χ^2/NDF:18782193.6/60

All: 0.000+/-0.000 χ^2/NDF: 35005561.3/115

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: -126.369+/-14.976 χ^2/NDF: 72.7/35

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

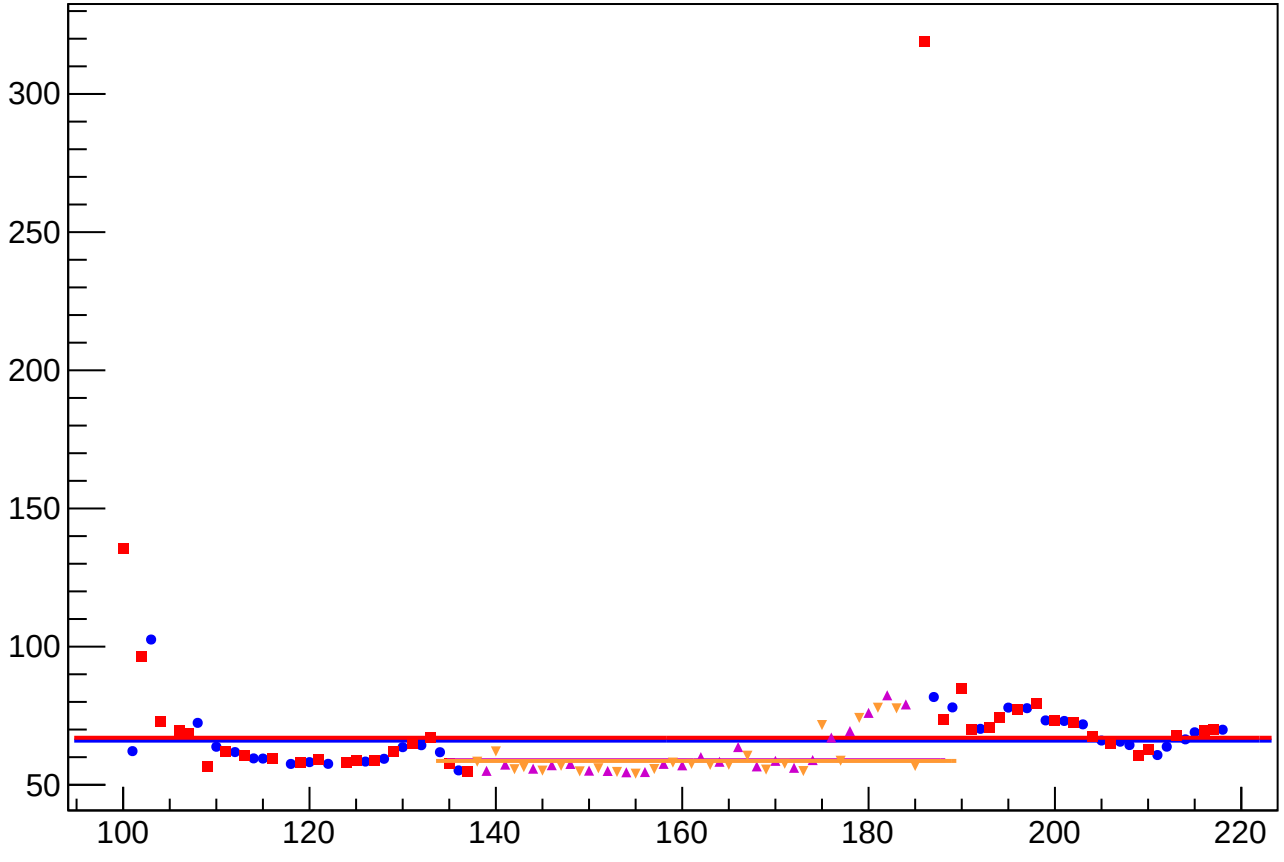
Right: -137.484+/-10.529 χ^2/NDF: 128.5/67

In: -168.718+/-10.118 χ^2/NDF:87.3/54

Out: -156.497+/-9.994 χ^2/NDF:118.6/60

All: -162.532+/-7.110 χ^2/NDF: 206.7/115

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: 67.030+/-0.011 χ^2/NDF: 1053412.5/35

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

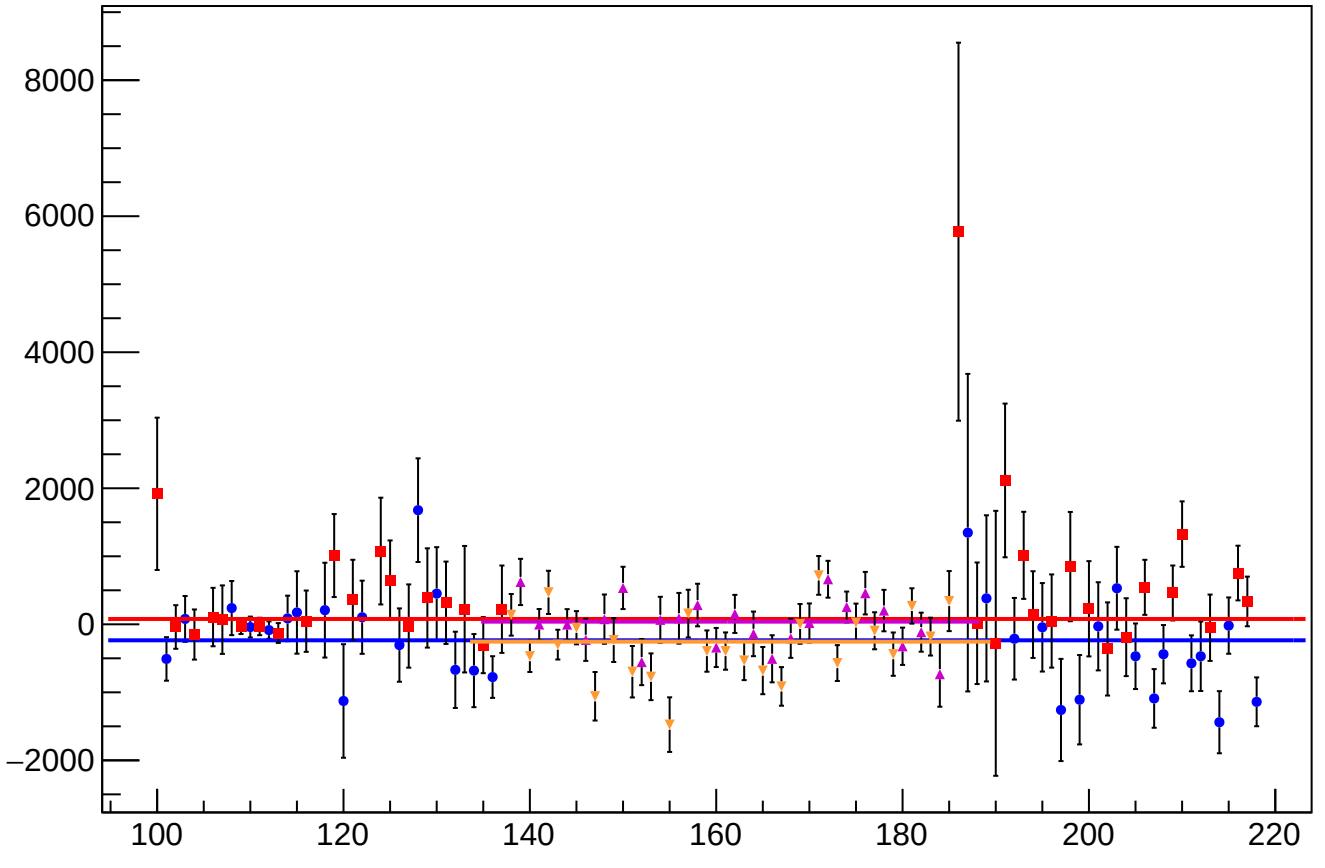
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.503+/-0.007 χ^2/NDF: 1579061.7/67

In: 62.214+/-0.007 χ^2/NDF:1151429.7/54

Out: 62.378+/-0.007 χ^2/NDF:1795137.2/60

All: 62.297+/-0.005 χ^2/NDF: 2946835.2/115



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: 78.552+/-57.993 χ^2/NDF: 36.9/35

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

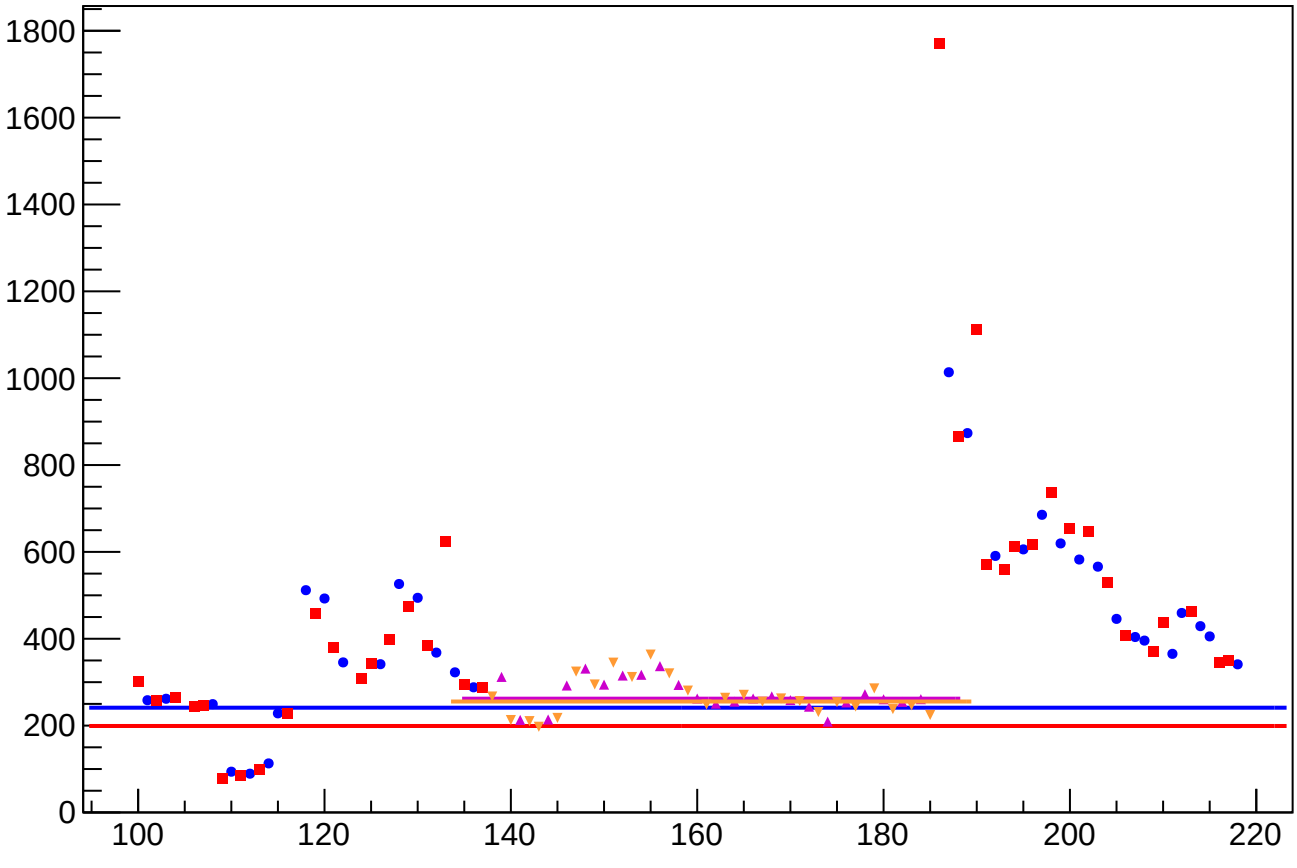
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -58.461+/-43.522 χ^2/NDF: 95.7/67

In: -89.475+/-45.096 χ^2/NDF:83.6/54

Out: -85.519+/-41.316 χ^2/NDF:110.8/60

All: -87.325+/-30.464 χ^2/NDF: 194.4/115



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: 199.115+/-0.041 χ^2/NDF: 17340204.1/35

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

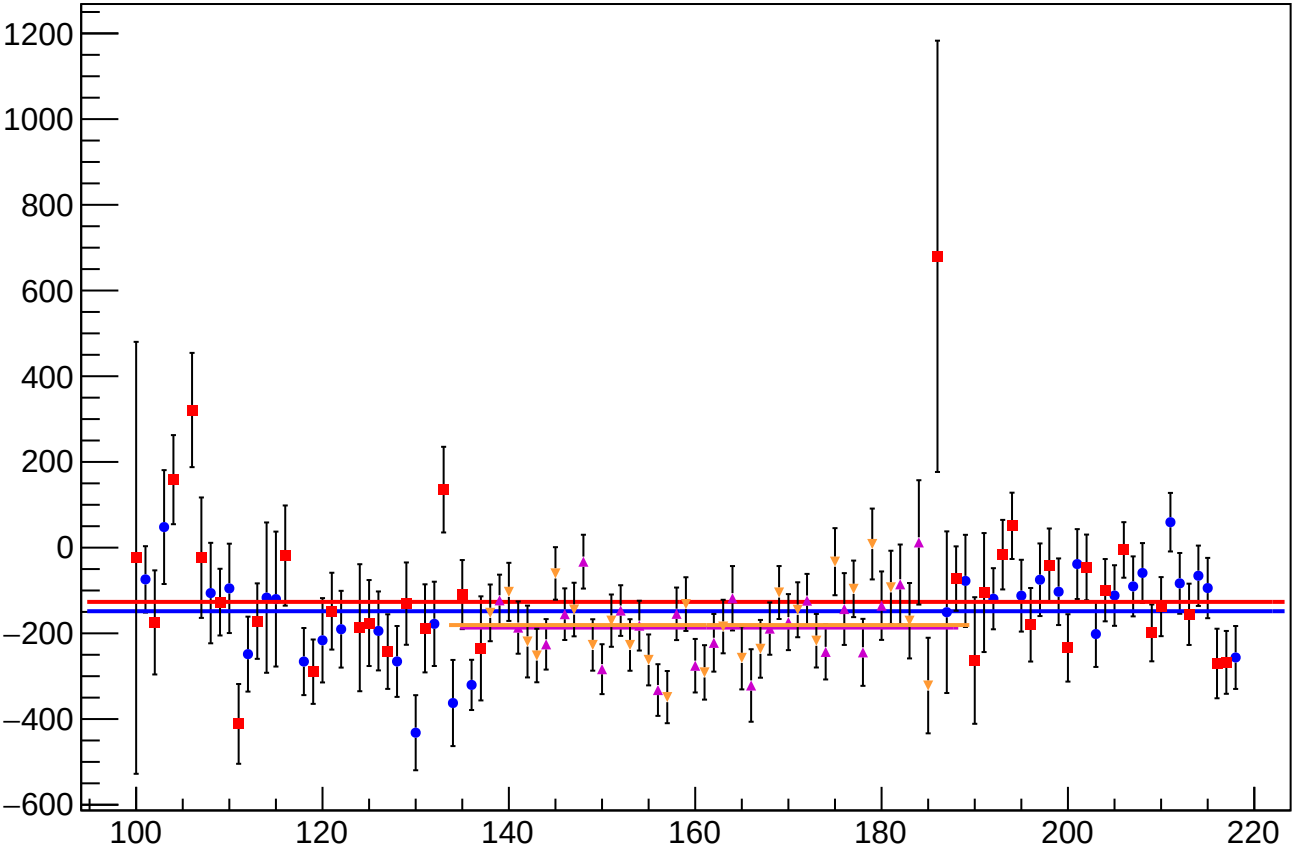
Right: 217.511+/-0.031 χ^2/NDF: 30981561.5/67

In: 252.263+/-0.032 χ^2/NDF:13956981.6/54

Out: 226.866+/-0.029 χ^2/NDF:19134072.1/60

All: 238.456+/-0.022 χ^2/NDF: 33435912.9/11

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: -126.594+/-14.980 χ^2/NDF: 72.3/35

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

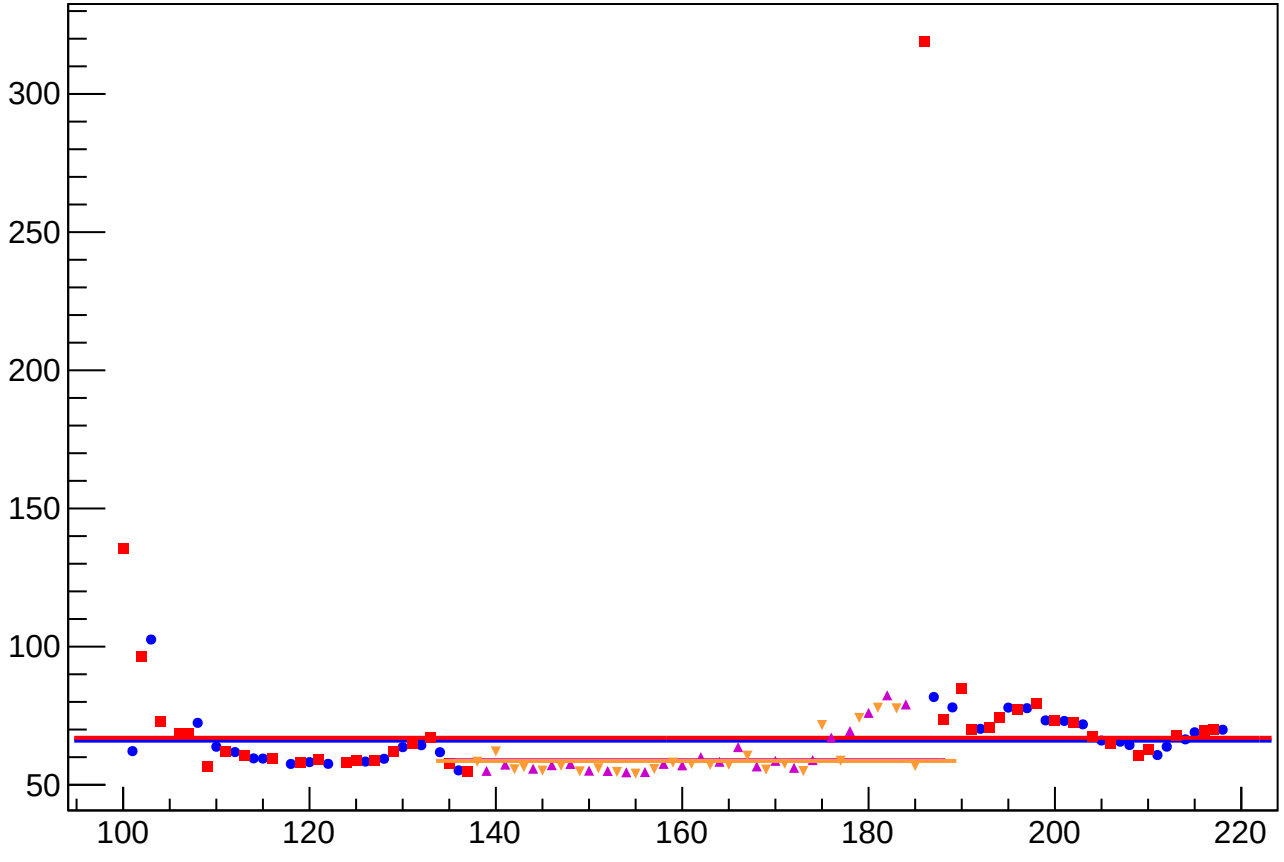
Right: -137.599+/-10.530 χ^2/NDF: 128.2/67

In: -168.719+/-10.118 χ^2/NDF:87.4/54

Out: -156.601+/-9.995 χ^2/NDF:118.2/60

All: -162.585+/-7.111 χ^2/NDF: 206.2/115

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: 67.014+/-0.011 χ^2/NDF: 1053045.6/35

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

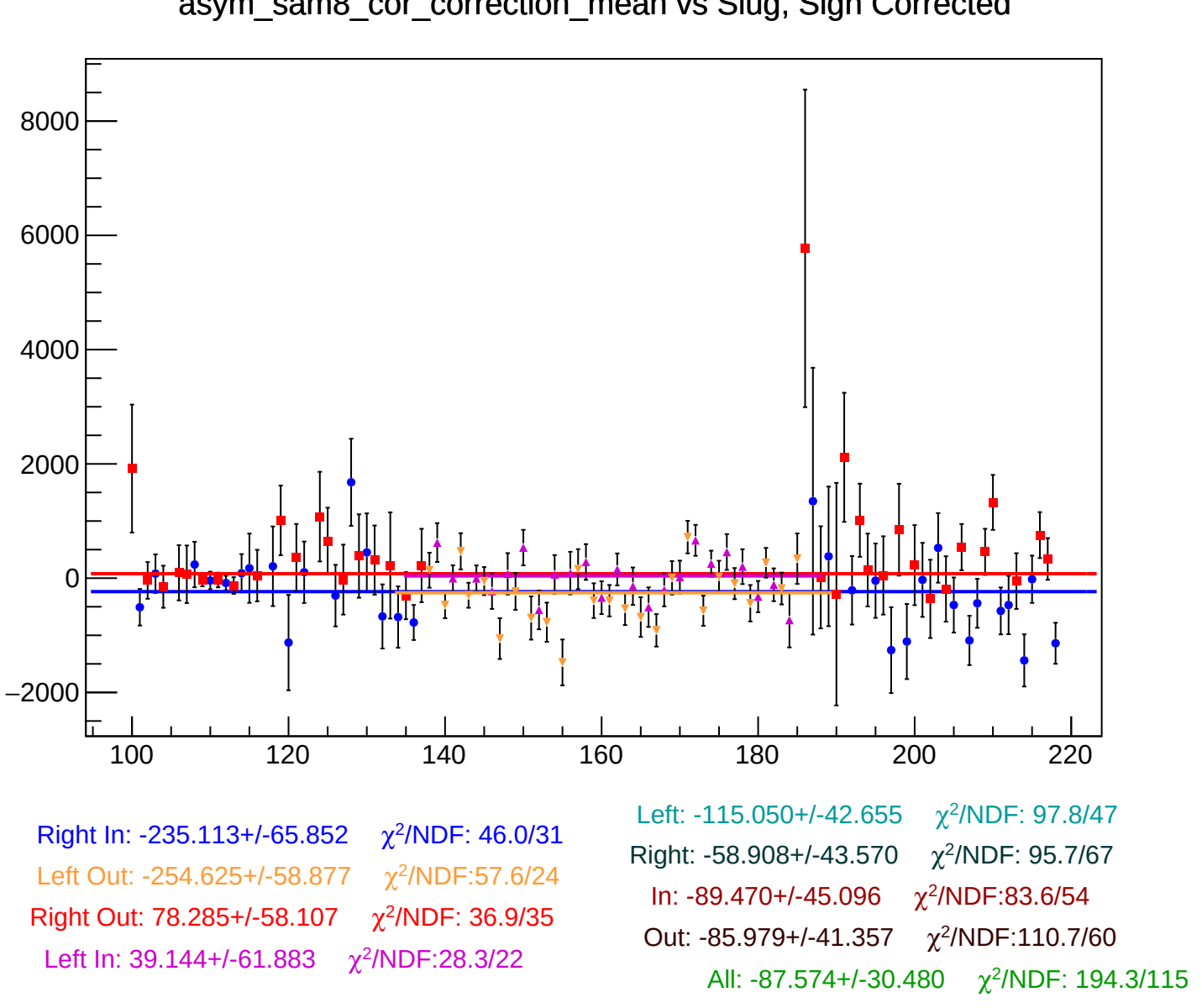
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

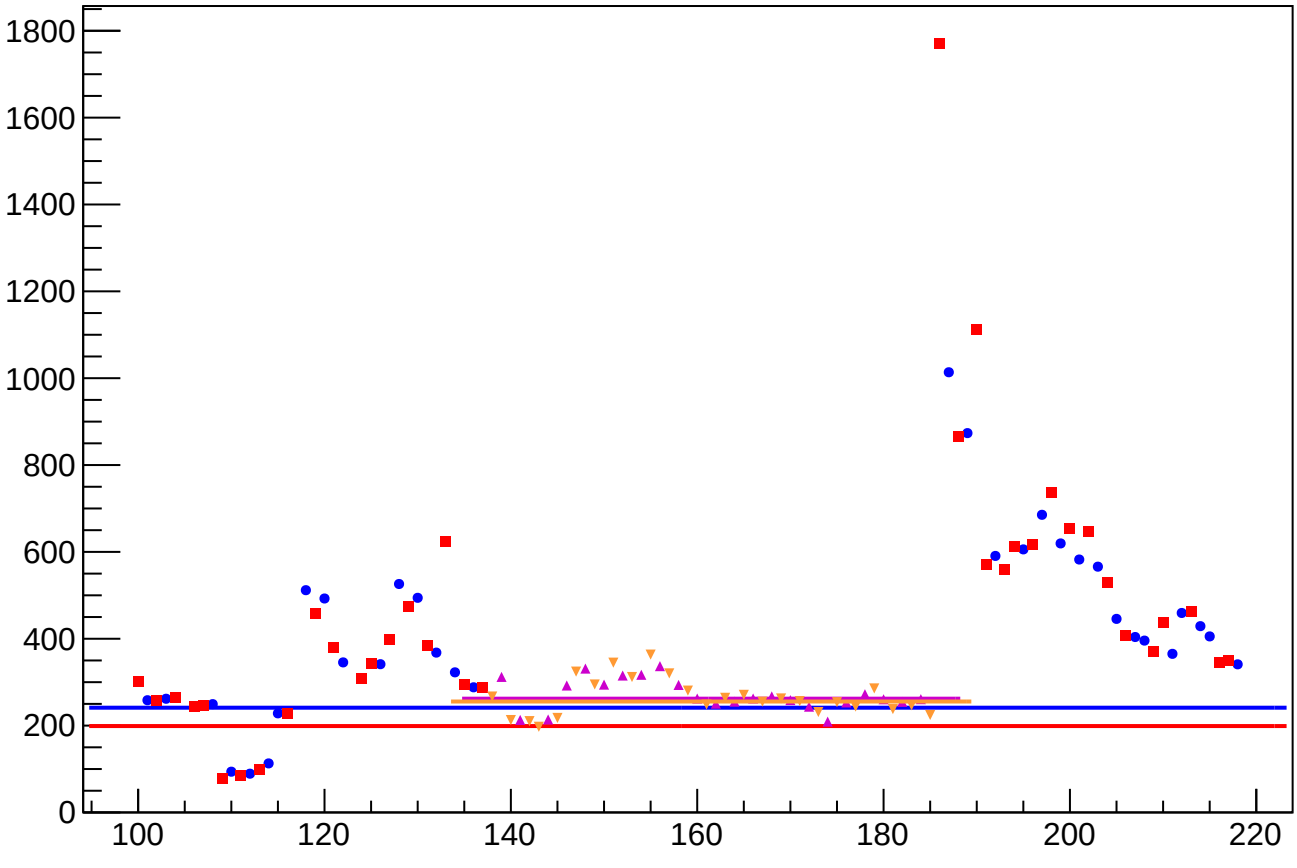
Right: 66.495+/-0.007 χ^2/NDF: 1578549.1/67

In: 62.214+/-0.007 χ^2/NDF:1151432.2/54

Out: 62.370+/-0.007 χ^2/NDF:1793372.0/60

All: 62.293+/-0.005 χ^2/NDF: 2945047.1/115


asym_sam8_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: -235.113+/-65.852 χ²/NDF: 46.0/31
Left Out: -254.625+/-58.877 χ²/NDF:57.6/24
Right Out: 78.285+/-58.107 χ²/NDF: 36.9/35
Left In: 39.144+/-61.883 χ²/NDF:28.3/22
Left: -115.050+/-42.655 χ²/NDF: 97.8/47
Right: -58.908+/-43.570 χ²/NDF: 95.7/67
In: -89.470+/-45.096 χ²/NDF:83.6/54
Out: -85.979+/-41.357 χ²/NDF:110.7/60
All: -87.574+/-30.480 χ²/NDF: 194.3/115



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: 198.947+/-0.041 χ^2/NDF: 17336278.5/35

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

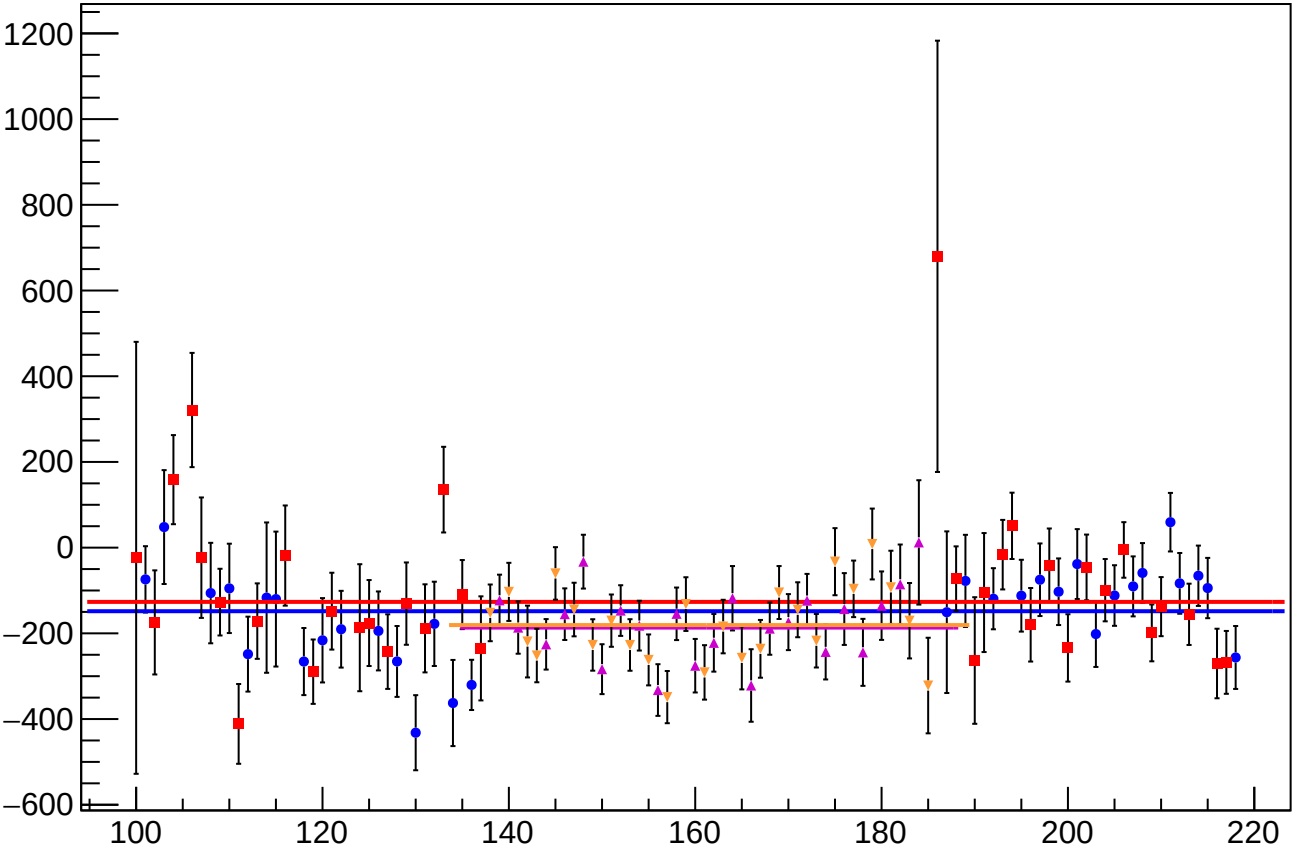
Right: 217.456+/-0.031 χ^2/NDF: 30980573.5/67

In: 252.264+/-0.032 χ^2/NDF:13956991.2/54

Out: 226.836+/-0.029 χ^2/NDF:19133915.3/60

All: 238.452+/-0.022 χ^2/NDF: 33436289.4/11

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: -126.594+/-14.980 χ^2/NDF: 72.3/35

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

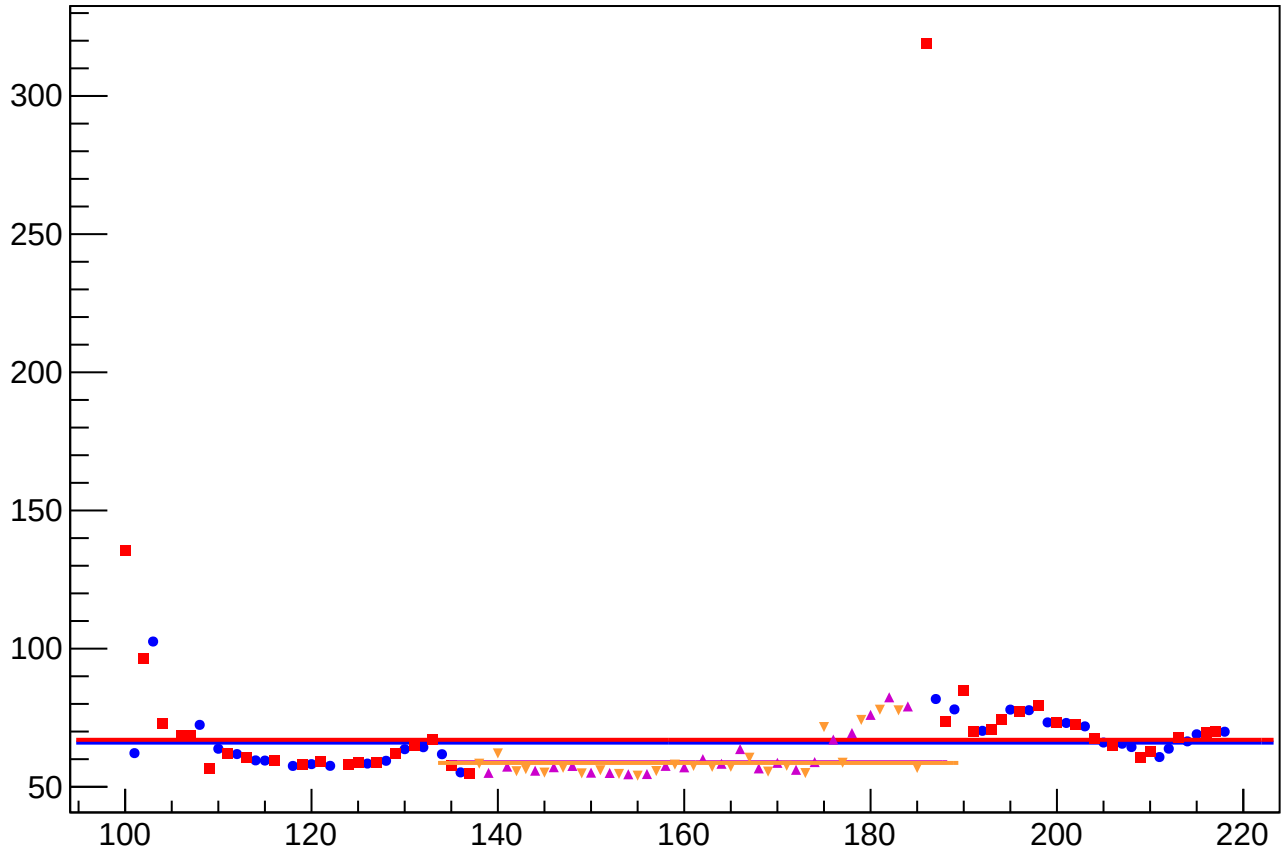
Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

Right: -137.599+/-10.530 χ^2/NDF: 128.2/67

In: -168.719+/-10.118 χ^2/NDF:87.4/54

Out: -156.601+/-9.995 χ^2/NDF:118.2/60

All: -162.585+/-7.111 χ^2/NDF: 206.2/115



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: 67.014+/-0.011 χ^2/NDF: 1053045.6/35

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

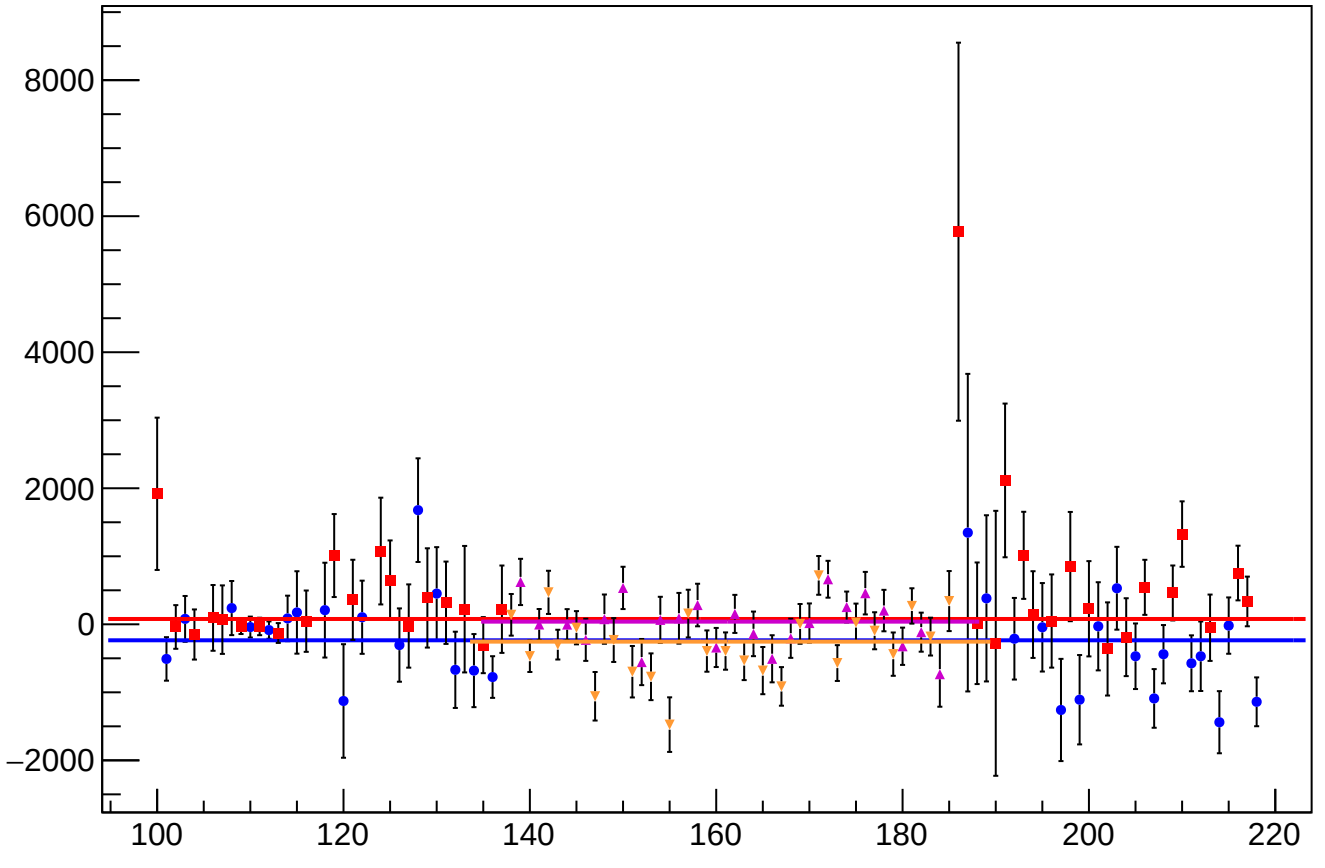
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.495+/-0.007 χ^2/NDF: 1578549.1/67

In: 62.214+/-0.007 χ^2/NDF:1151432.2/54

Out: 62.370+/-0.007 χ^2/NDF:1793372.0/60

All: 62.293+/-0.005 χ^2/NDF: 2945047.1/115



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: 78.285+/-58.107 χ^2/NDF: 36.9/35

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

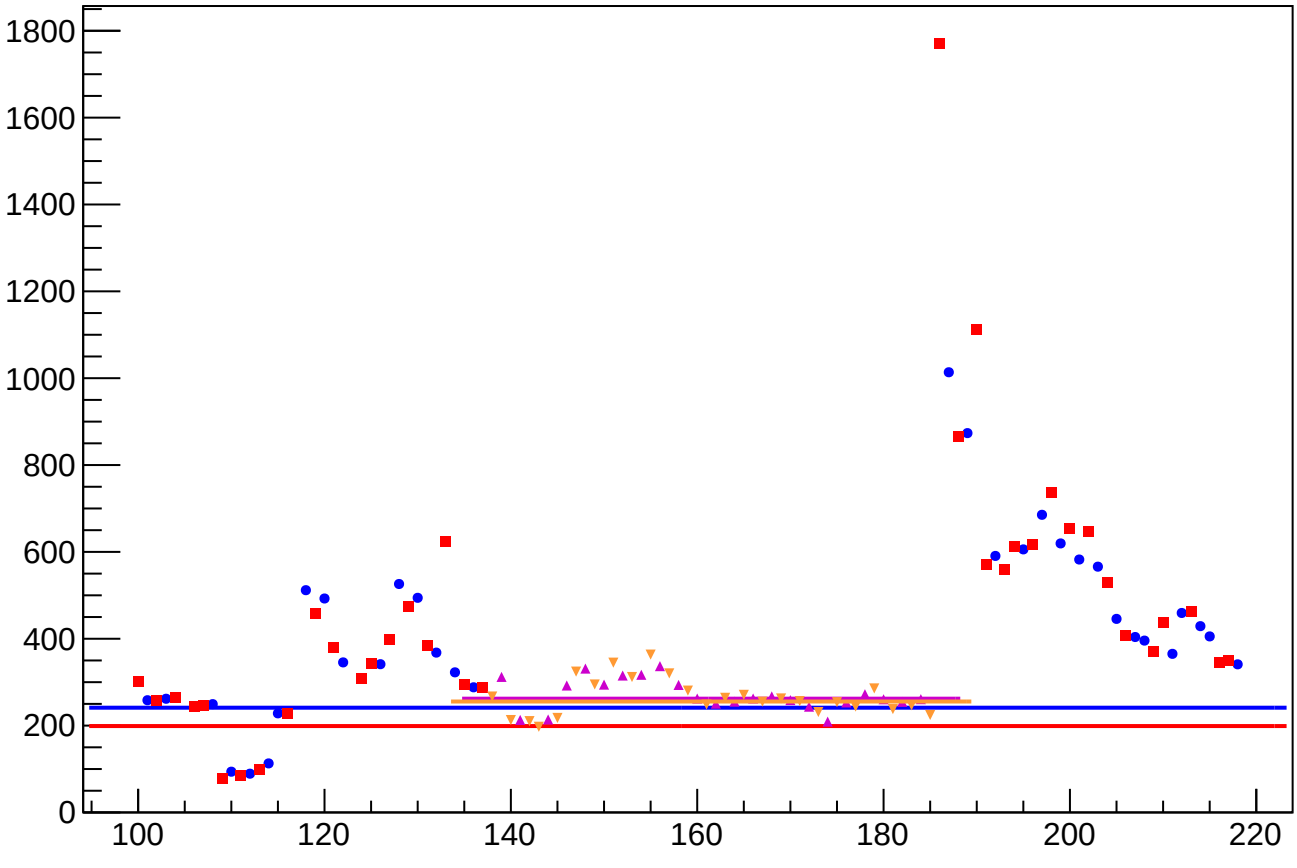
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -58.908+/-43.570 χ^2/NDF: 95.7/67

In: -89.470+/-45.096 χ^2/NDF:83.6/54

Out: -85.979+/-41.357 χ^2/NDF:110.7/60

All: -87.574+/-30.480 χ^2/NDF: 194.3/115


asym_sam8_eigen_cor_correction_rms vs Slug, Sign Corrected
1800
1600
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600
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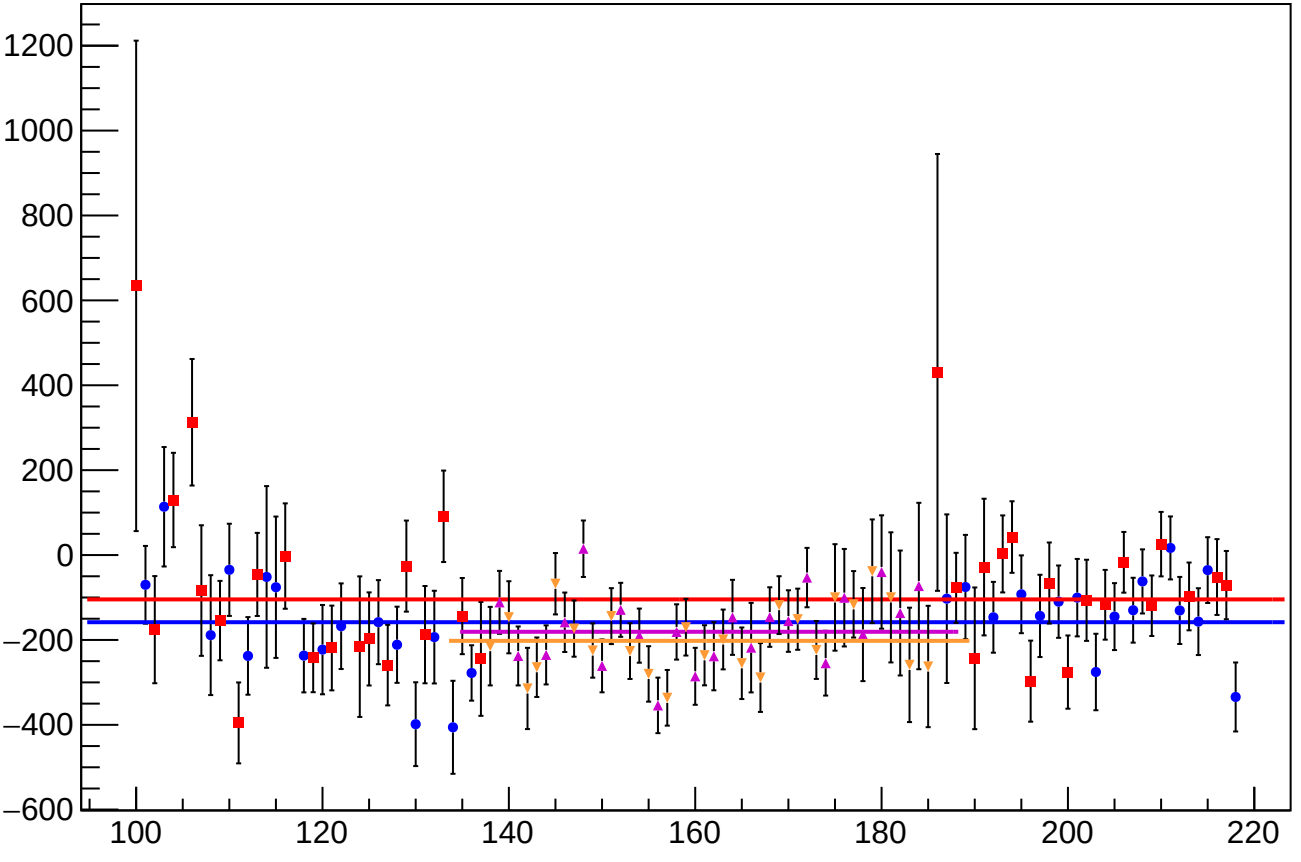
0
100
120
140
160
180
200
220
Right In: 241.230+/-0.047 χ²/NDF: 13180686.8/31
Left Out: 255.469+/-0.042 χ²/NDF:863867.3/24
Right Out: 198.947+/-0.041 χ²/NDF: 17336278.5/35
Left In: 262.007+/-0.044 χ²/NDF:670574.8/22
Left: 258.576+/-0.030 χ²/NDF: 1546159.5/47
Right: 217.456+/-0.031 χ²/NDF: 30980573.5/67
In: 252.264+/-0.032 χ²/NDF:13956991.2/54
Out: 226.836+/-0.029 χ²/NDF:19133915.3/60
All: 238.452+/-0.022 χ²/NDF: 33436289.4/11

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: -104.493+/-16.573 χ^2/NDF: 58.3/35

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

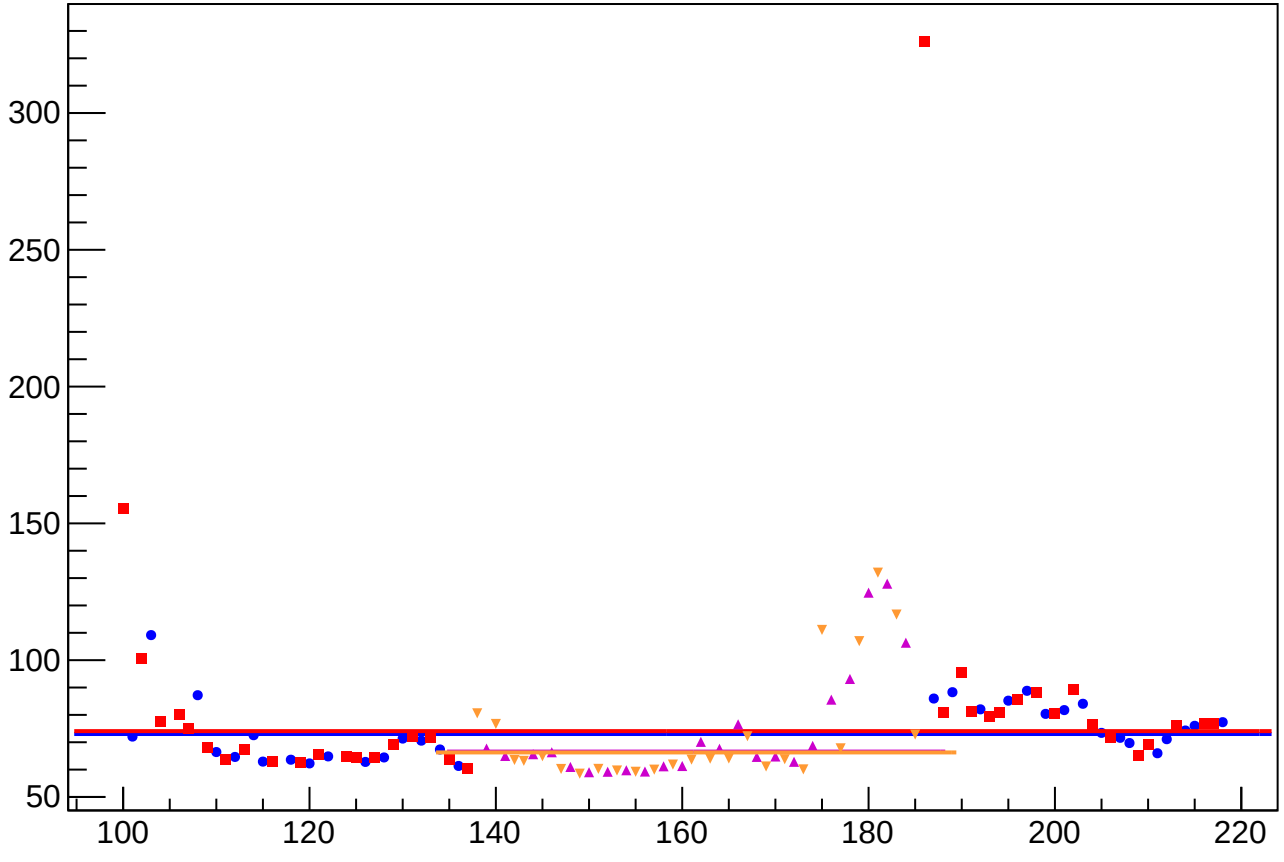
Right: -131.588+/-11.667 χ^2/NDF: 105.1/67

In: -169.781+/-11.469 χ^2/NDF:72.6/54

Out: -156.435+/-11.335 χ^2/NDF:98.3/60

All: -163.029+/-8.062 χ^2/NDF: 171.6/115

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: 74.065+/-0.012 χ^2/NDF: 1073510.0/35

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

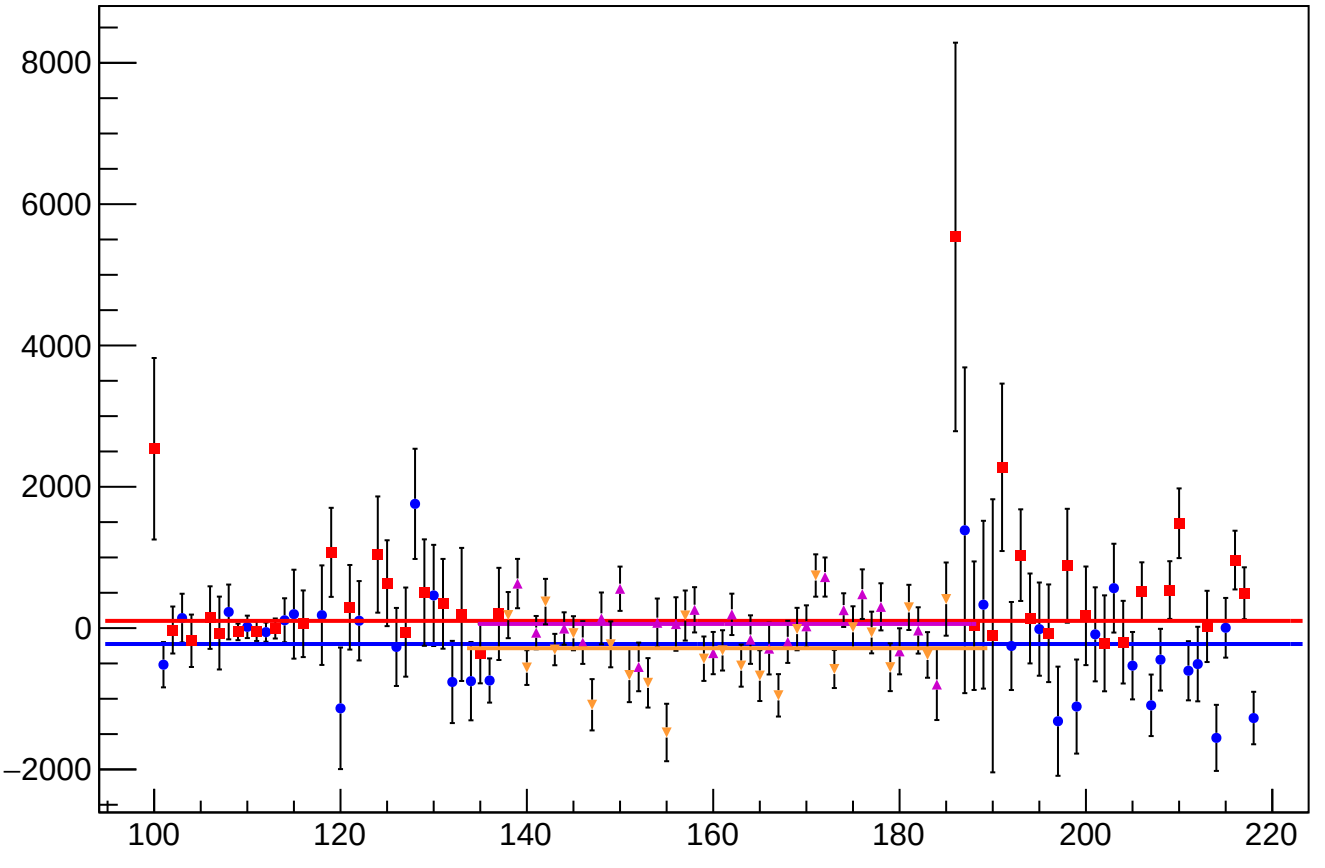
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 73.532+/-0.008 χ^2/NDF: 1677114.5/67

In: 69.716+/-0.008 χ^2/NDF:1914451.5/54

Out: 69.921+/-0.008 χ^2/NDF:2702308.7/60

All: 69.820+/-0.006 χ^2/NDF: 4617084.5/115



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: 102.290+/-59.627 χ^2/NDF: 40.5/35

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

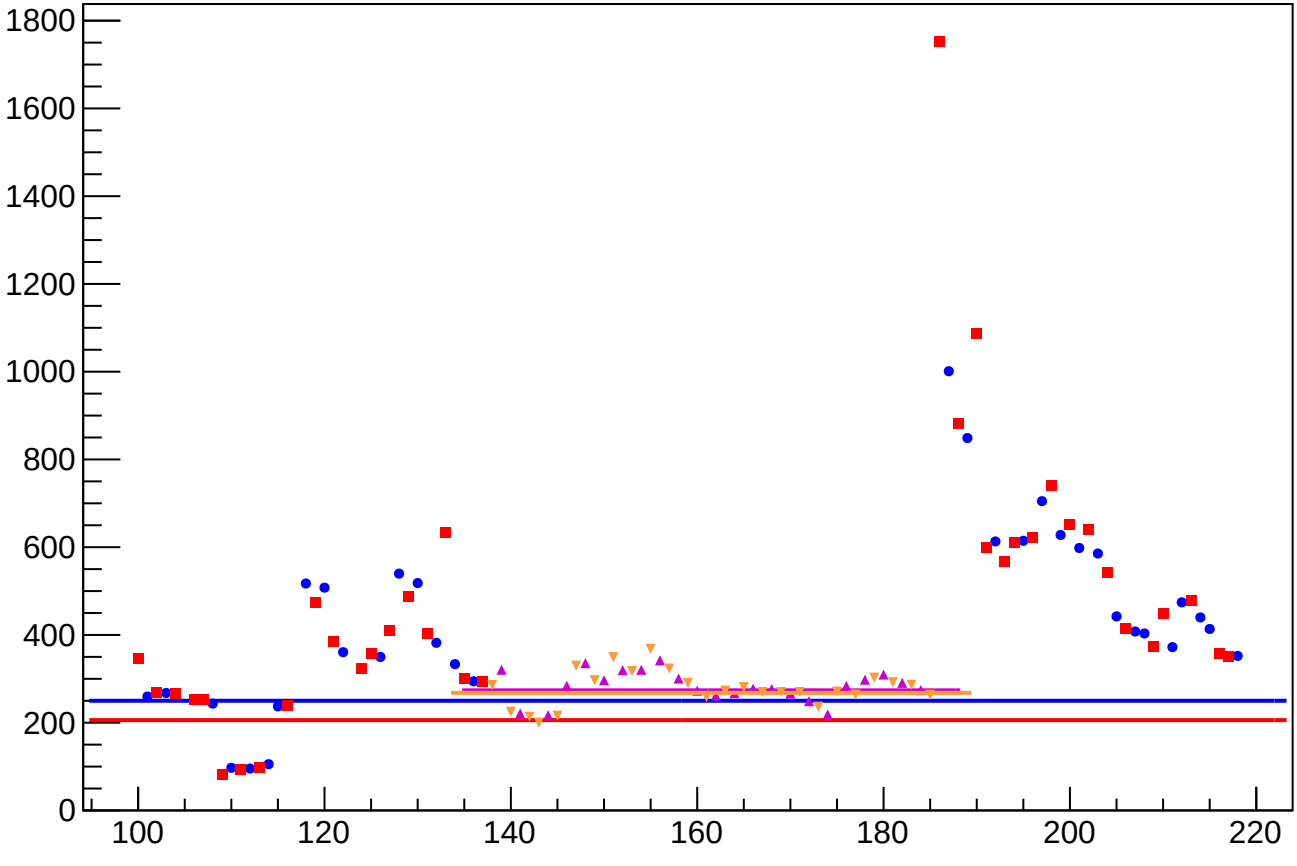
Right: -40.518+/-44.768 χ^2/NDF: 104.4/67

In: -76.199+/-46.776 χ^2/NDF:86.8/54

Out: -84.390+/-42.886 χ^2/NDF:115.4/60

All: -80.649+/-31.611 χ^2/NDF: 202.3/115

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: 205.883+/-0.042 χ^2/NDF: 17077729.5/35

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

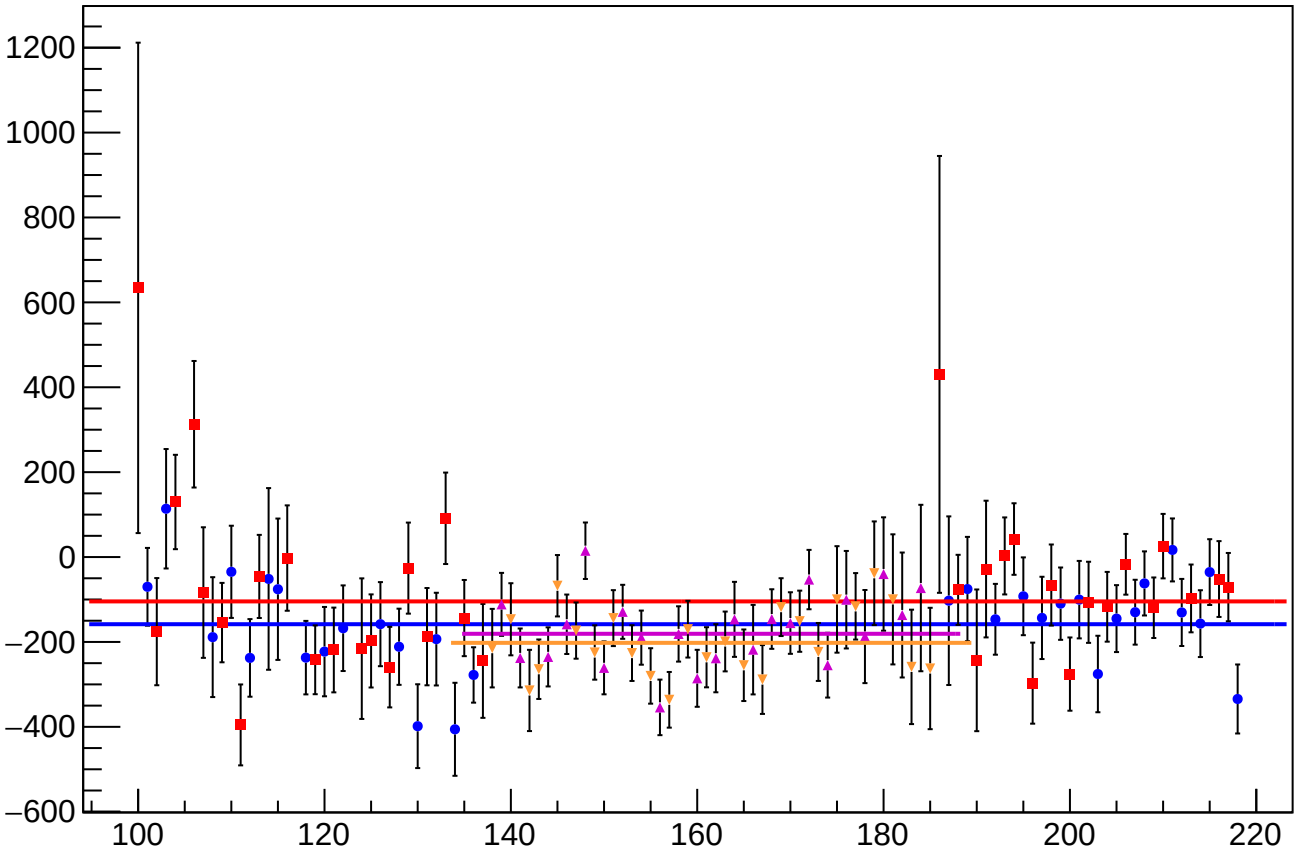
Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

Right: 225.135+/-0.032 χ^2/NDF: 30412189.3/67

In: 262.442+/-0.033 χ^2/NDF:13635431.3/54

Out: 235.860+/-0.030 χ^2/NDF:18987726.7/60

All: 248.000+/-0.022 χ^2/NDF: 32974085.6/11



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: -104.495+/-16.573 χ^2/NDF: 58.3/35

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

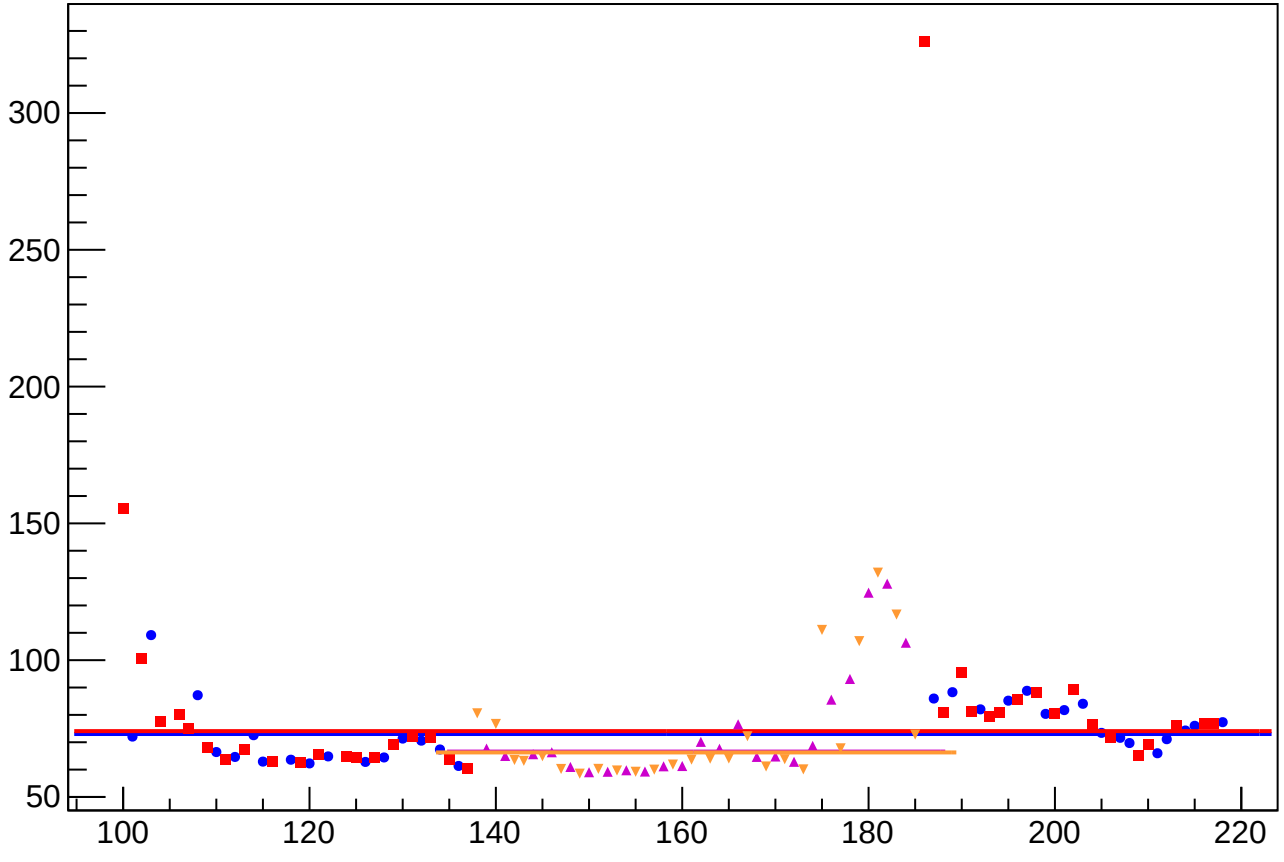
Right: -131.588+/-11.667 χ^2/NDF: 105.1/67

In: -169.781+/-11.469 χ^2/NDF:72.6/54

Out: -156.435+/-11.335 χ^2/NDF:98.3/60

All: -163.030+/-8.062 χ^2/NDF: 171.6/115

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: 74.065+/-0.012 χ^2/NDF: 1073514.7/35

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

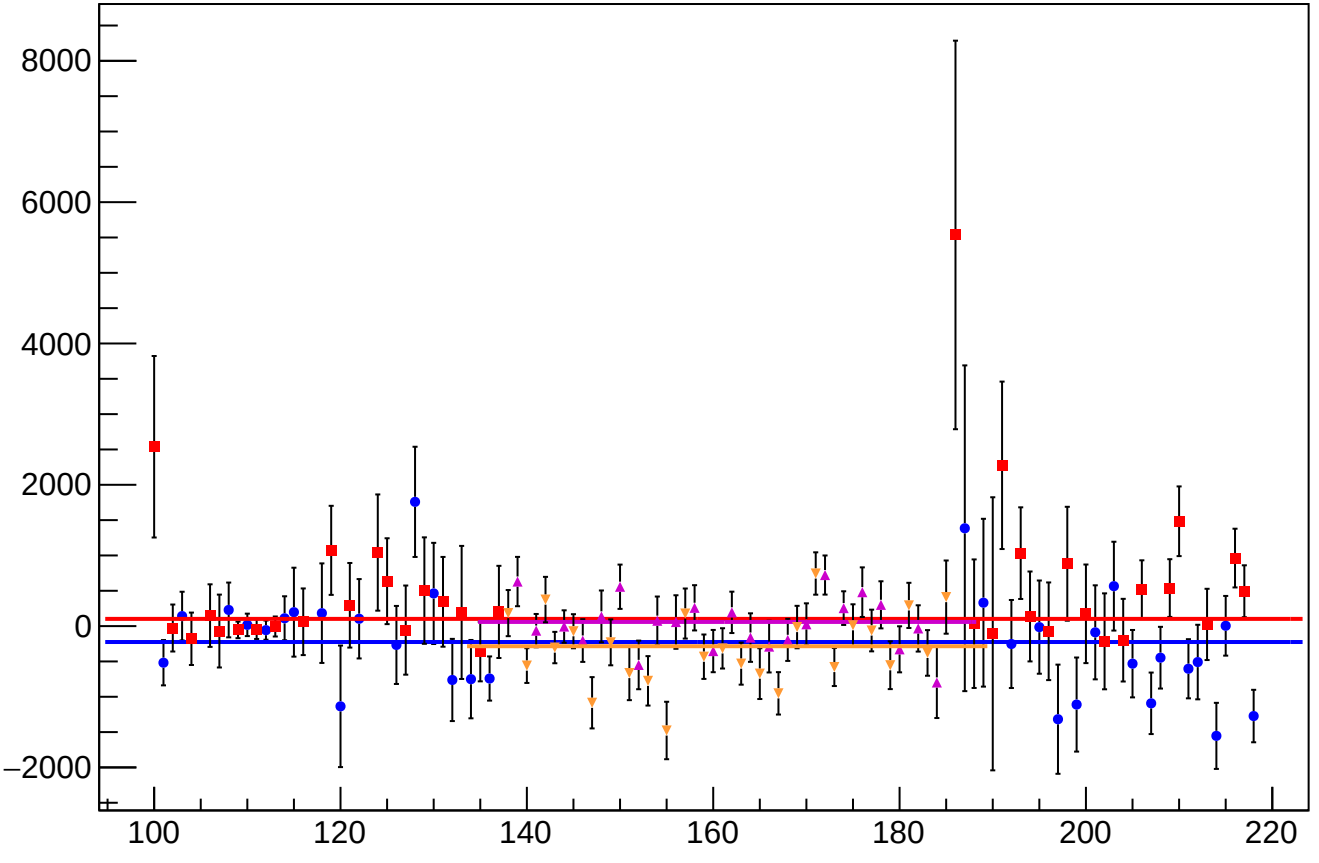
Right: 73.532+/-0.008 χ^2/NDF: 1677122.9/67

In: 69.716+/-0.008 χ^2/NDF:1914440.5/54

Out: 69.921+/-0.008 χ^2/NDF:2702304.4/60

All: 69.820+/-0.006 χ^2/NDF: 4617069.2/115

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: 102.289+/-59.627 χ^2/NDF: 40.5/35

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

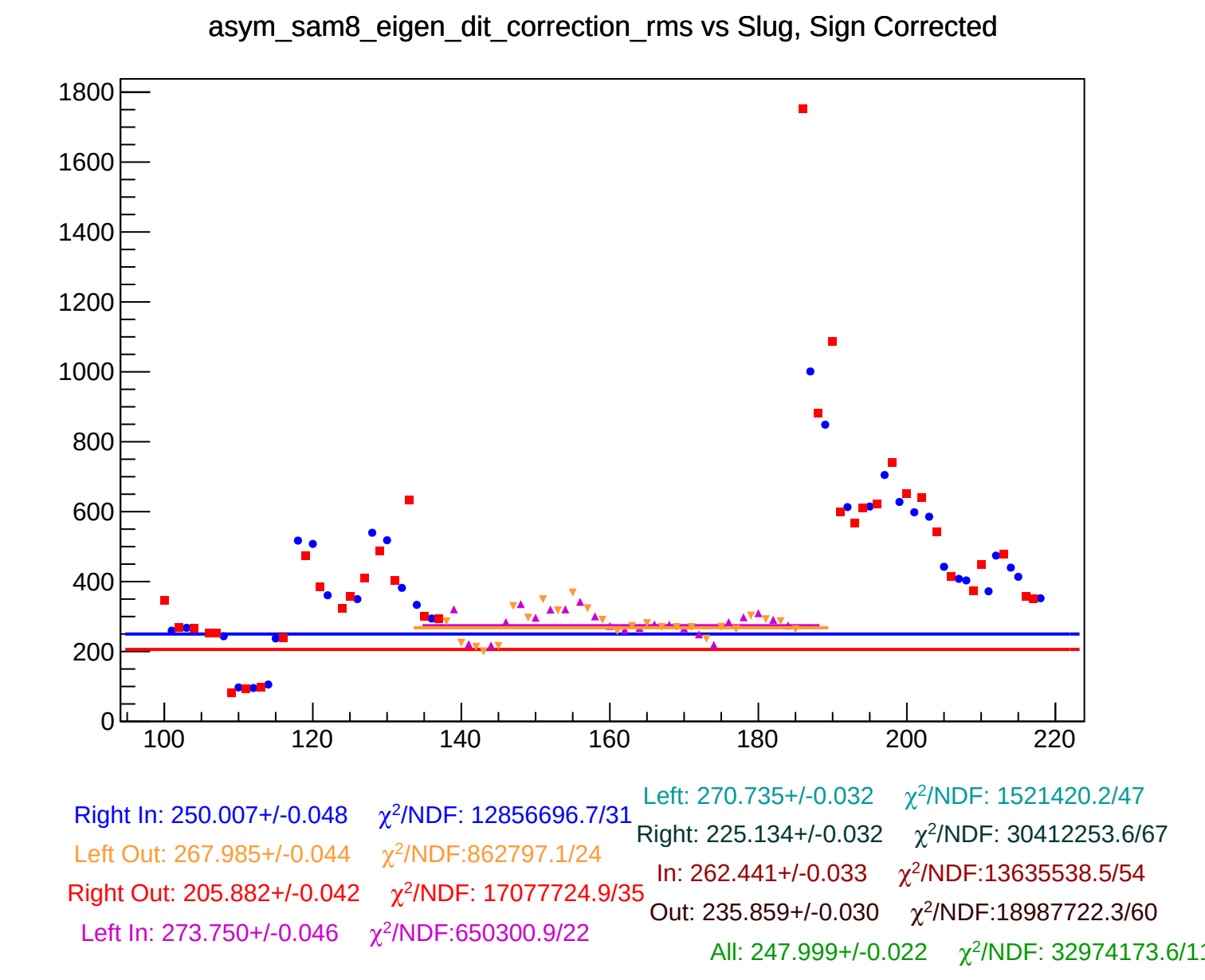
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -40.519+/-44.768 χ^2/NDF: 104.4/67

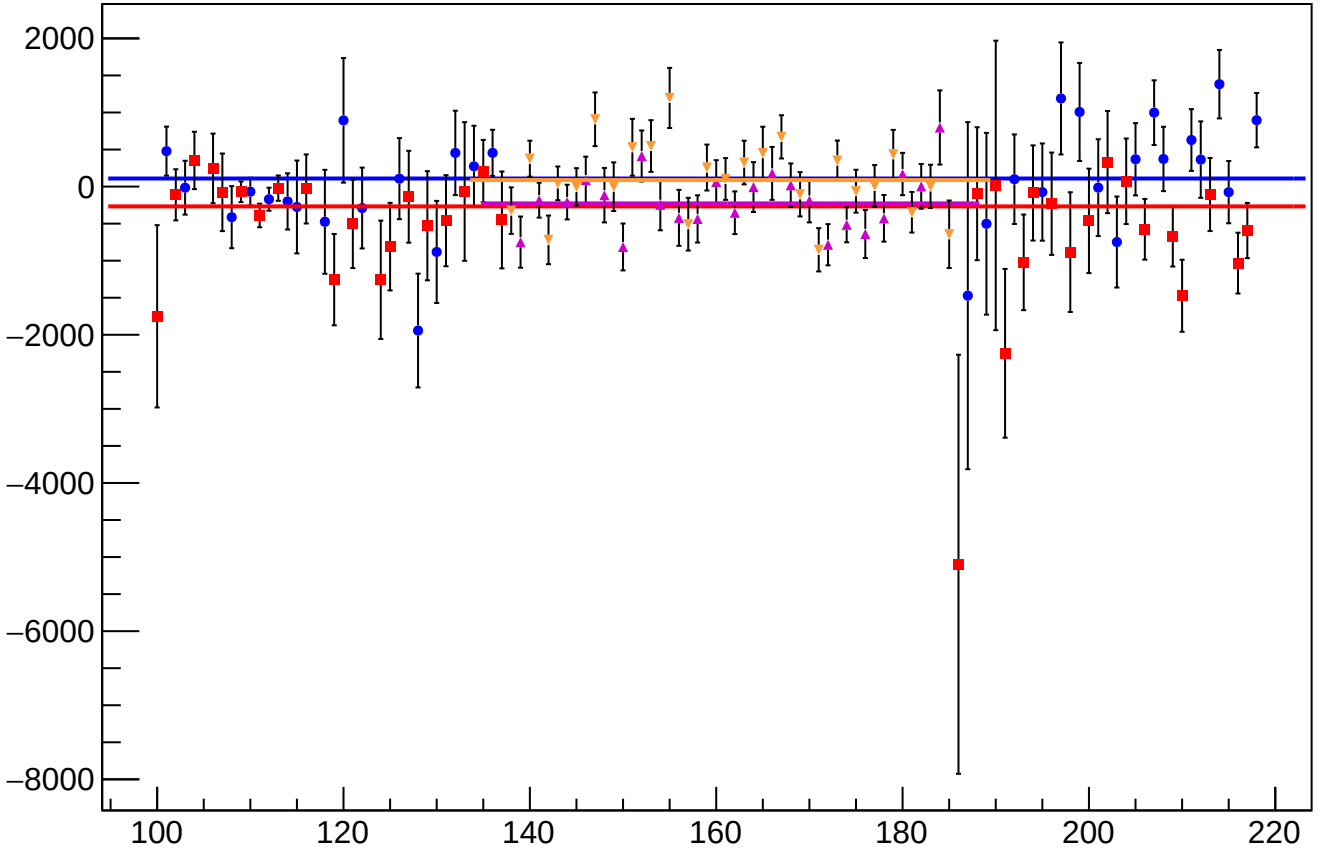
In: -76.197+/-46.775 χ^2/NDF:86.8/54

Out: -84.391+/-42.886 χ^2/NDF:115.4/60

All: -80.649+/-31.611 χ^2/NDF: 202.3/115


asym_sam8_eigen_dit_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
200
0
100
120
140
160
180
200
220
Right In: 250.007+/-0.048 χ²/NDF: 12856696.7/31
Left Out: 267.985+/-0.044 χ²/NDF:862797.1/24
Right Out: 205.882+/-0.042 χ²/NDF: 17077724.9/35
Left In: 273.750+/-0.046 χ²/NDF:650300.9/22
Left: 270.735+/-0.032 χ²/NDF: 1521420.2/47
Right: 225.134+/-0.032 χ²/NDF: 30412253.6/67
In: 262.441+/-0.033 χ²/NDF:13635538.5/54
Out: 235.859+/-0.030 χ²/NDF:18987722.3/60
All: 247.999+/-0.022 χ²/NDF: 32974173.6/11

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: -267.295+/-65.783 χ^2/NDF: 38.5/35

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

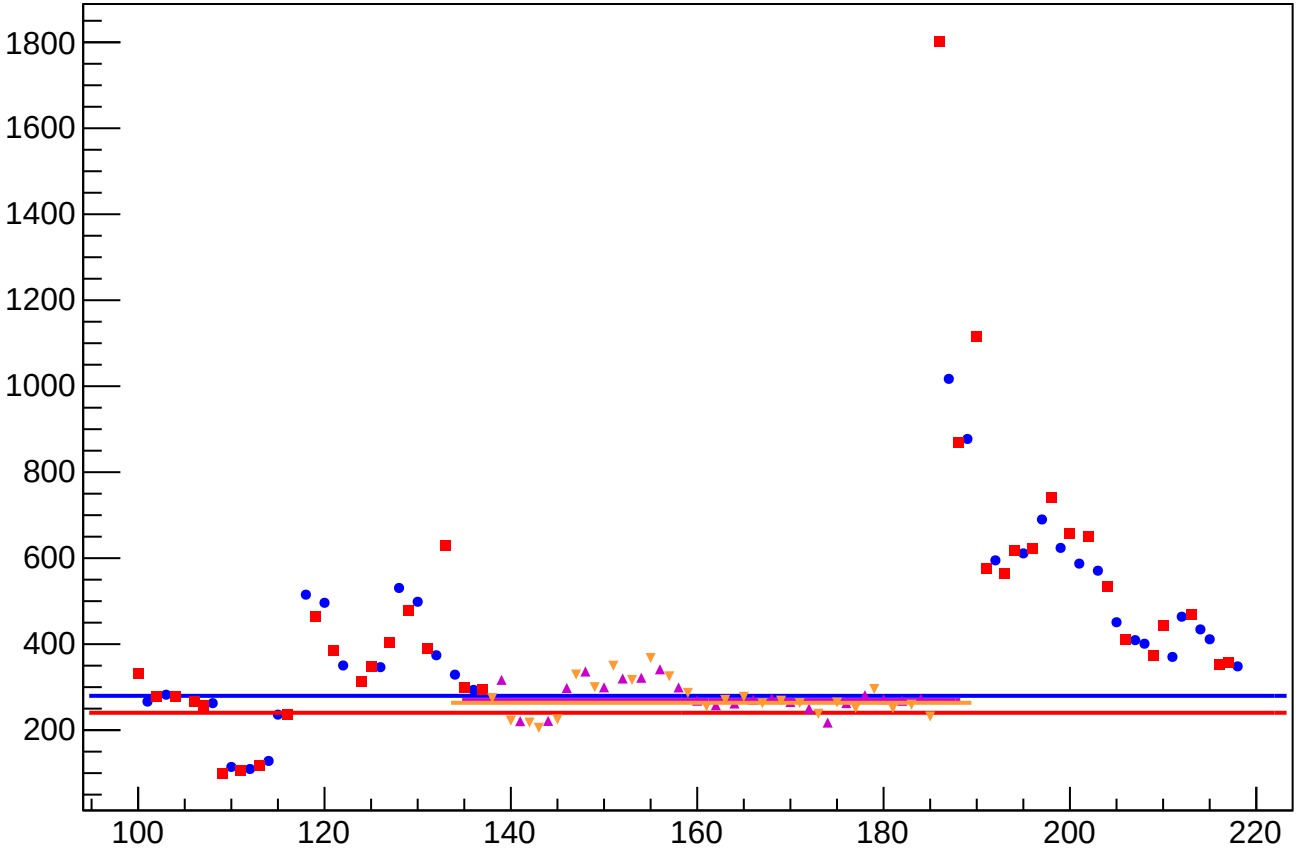
Right: -97.769+/-48.764 χ^2/NDF: 100.0/67

In: -80.947+/-47.887 χ^2/NDF:87.6/54

Out: -75.078+/-44.597 χ^2/NDF:106.5/60

All: -77.804+/-32.636 χ^2/NDF: 194.2/115

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: 240.378+/-0.047 χ^2/NDF: 14259941.1/35

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

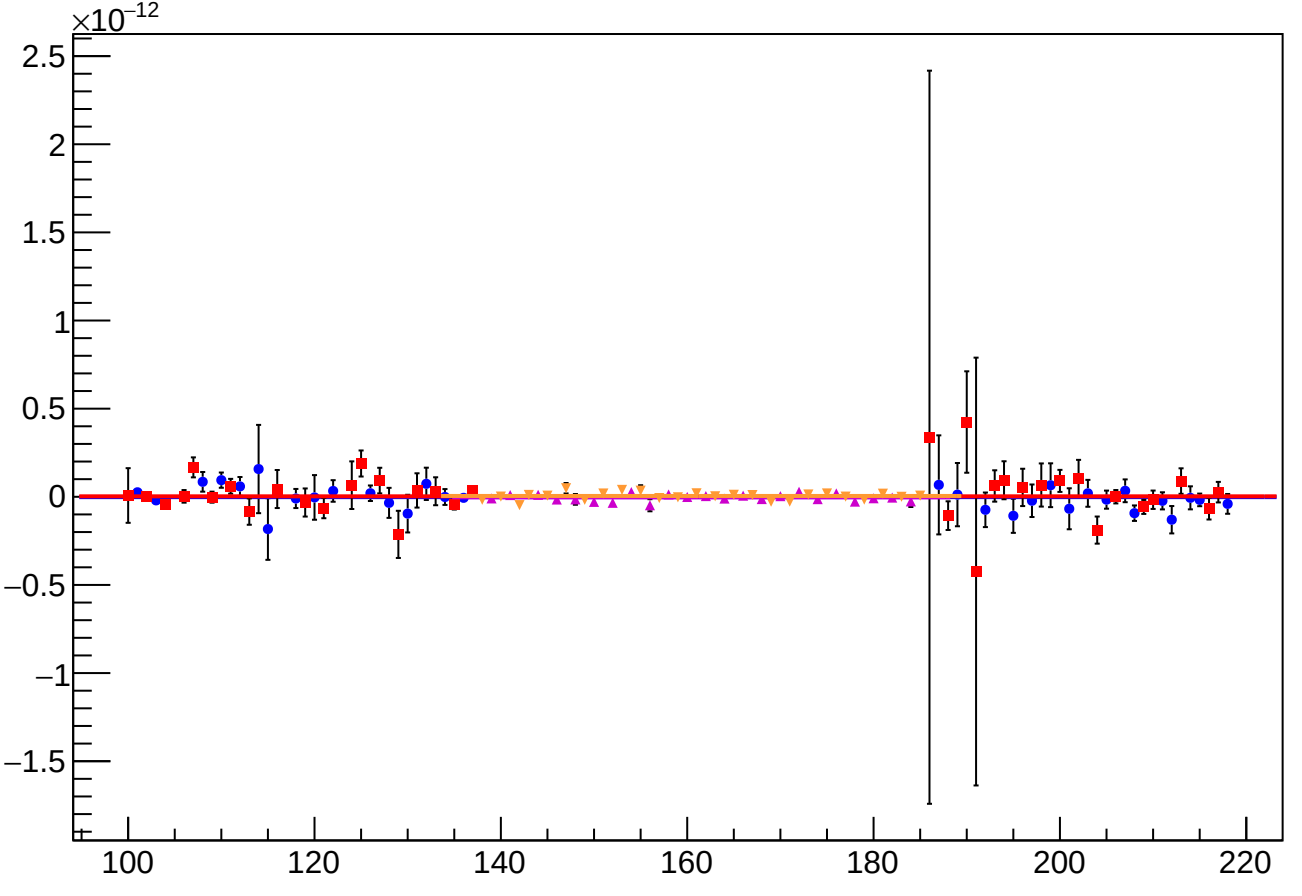
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 258.130+/-0.034 χ^2/NDF: 24953237.4/67

In: 274.192+/-0.034 χ^2/NDF:10993187.6/54

Out: 252.923+/-0.032 χ^2/NDF:15174391.3/60

All: 262.802+/-0.023 χ^2/NDF: 26378865.4/11



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: 50.8/35

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

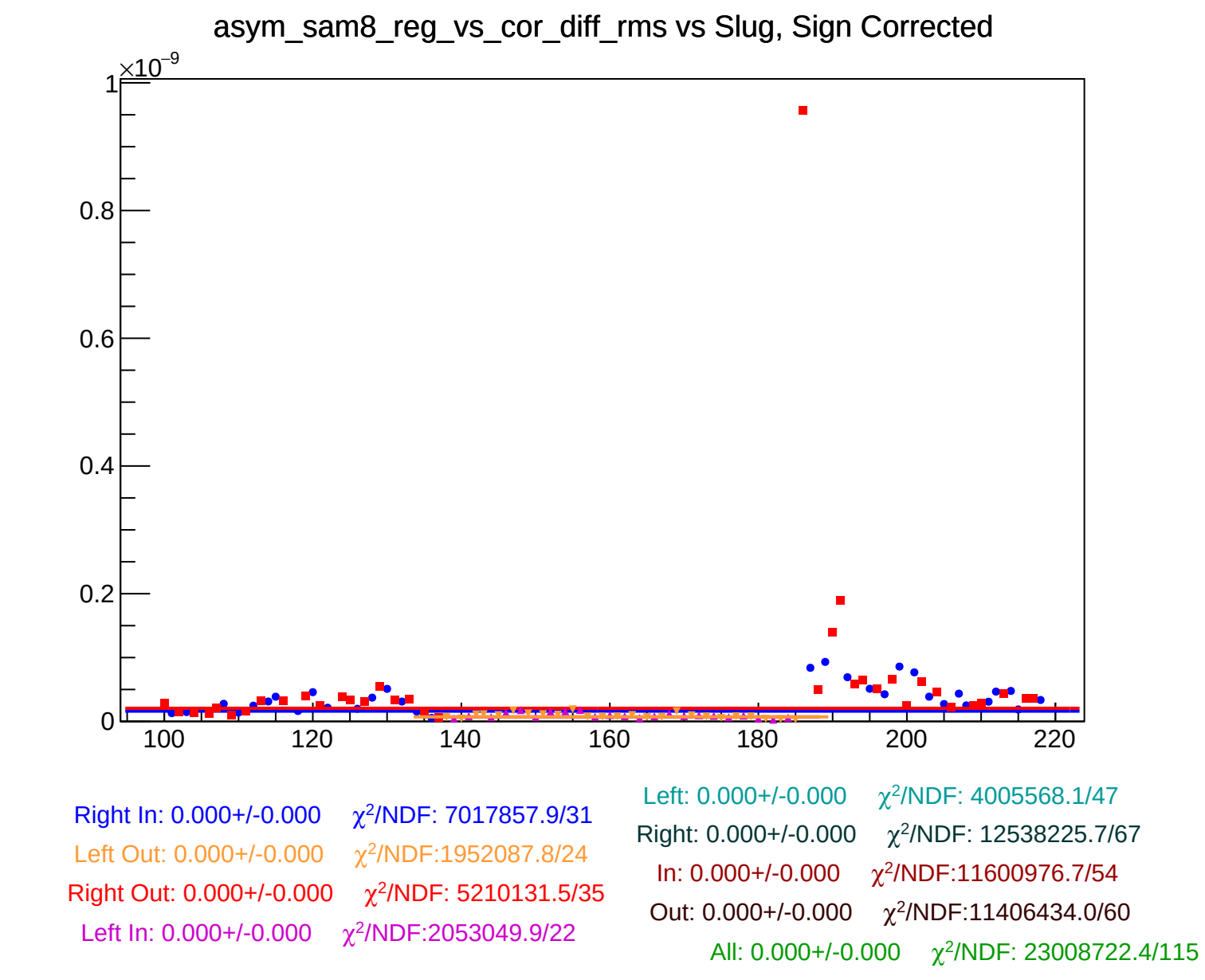
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

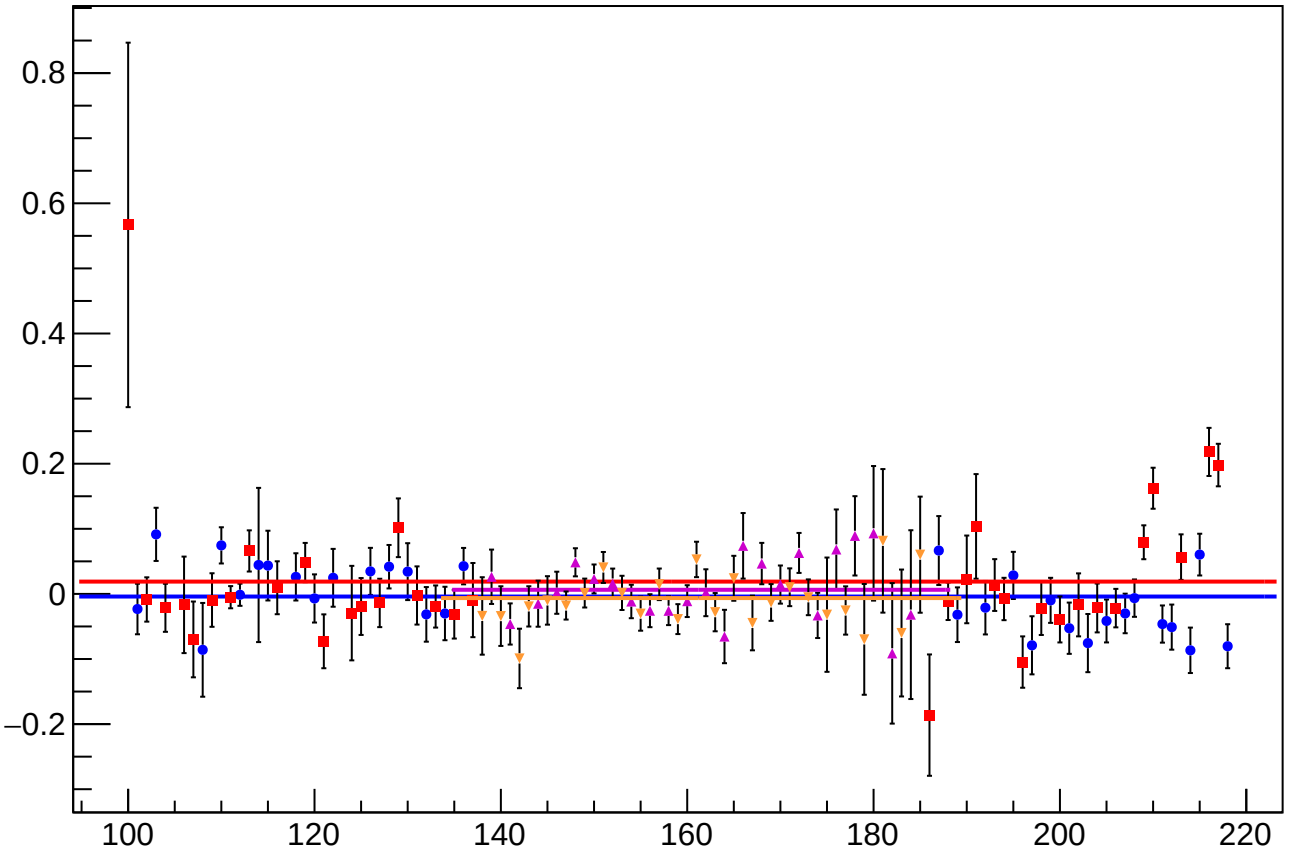
Right: 0.000+/-0.000 χ^2/NDF: 76.5/67

In: -0.000+/-0.000 χ^2/NDF:47.1/54

Out: 0.000+/-0.000 χ^2/NDF:78.8/60

All: 0.000+/-0.000 χ^2/NDF: 129.1/115


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7017857.9/31
Left Out: 0.000+/-0.000 χ²/NDF:1952087.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 5210131.5/35
Left In: 0.000+/-0.000 χ²/NDF:2053049.9/22
Left: 0.000+/-0.000 χ²/NDF: 4005568.1/47
Right: 0.000+/-0.000 χ²/NDF: 12538225.7/67
In: 0.000+/-0.000 χ²/NDF:11600976.7/54
Out: 0.000+/-0.000 χ²/NDF:11406434.0/60
All: 0.000+/-0.000 χ²/NDF: 23008722.4/115



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: 0.019+/-0.006 χ^2/NDF: 139.1/35

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

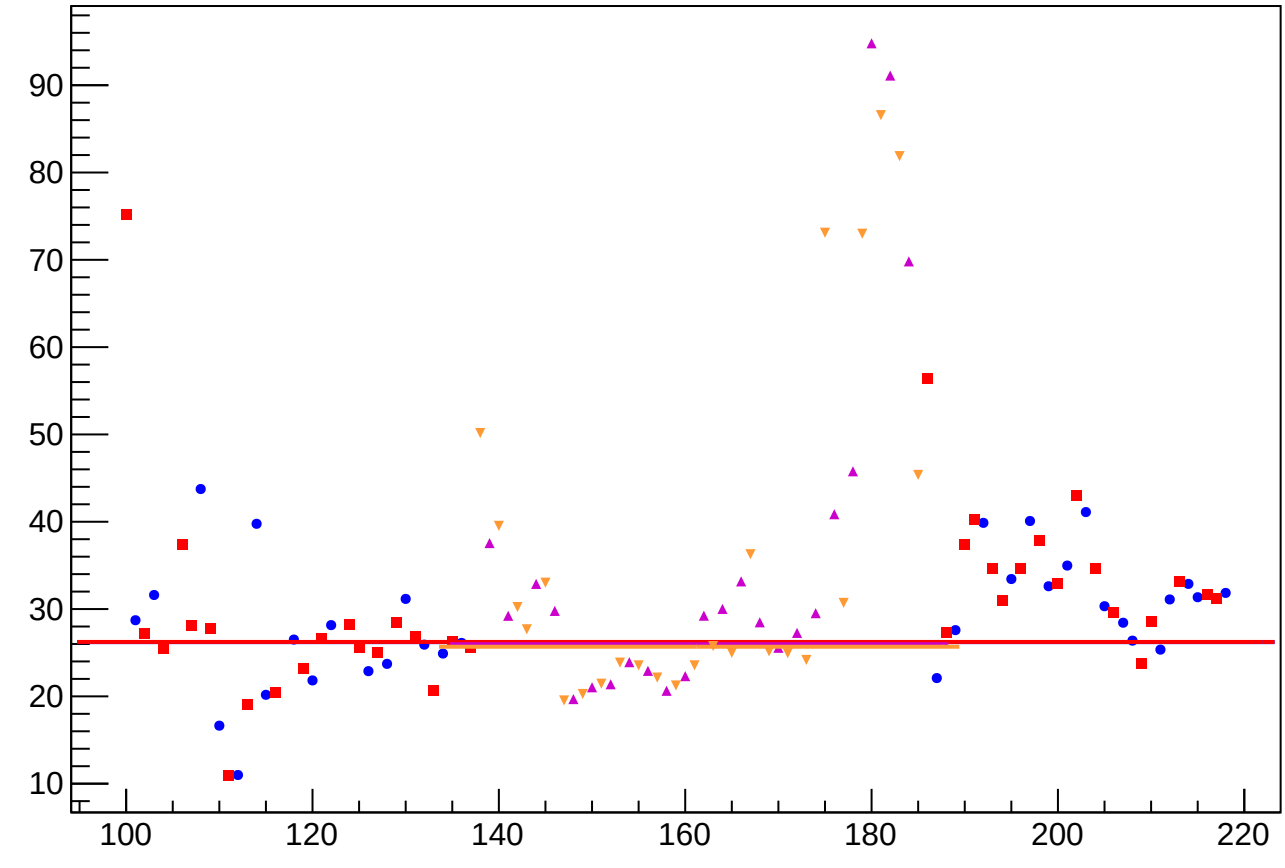
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.008+/-0.004 χ^2/NDF: 201.4/67

In: 0.001+/-0.005 χ^2/NDF:85.2/54

Out: 0.007+/-0.004 χ^2/NDF:169.8/60

All: 0.004+/-0.003 χ^2/NDF: 255.8/115



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: 26.234+/-0.004 χ^2/NDF: 3307636.8/35

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

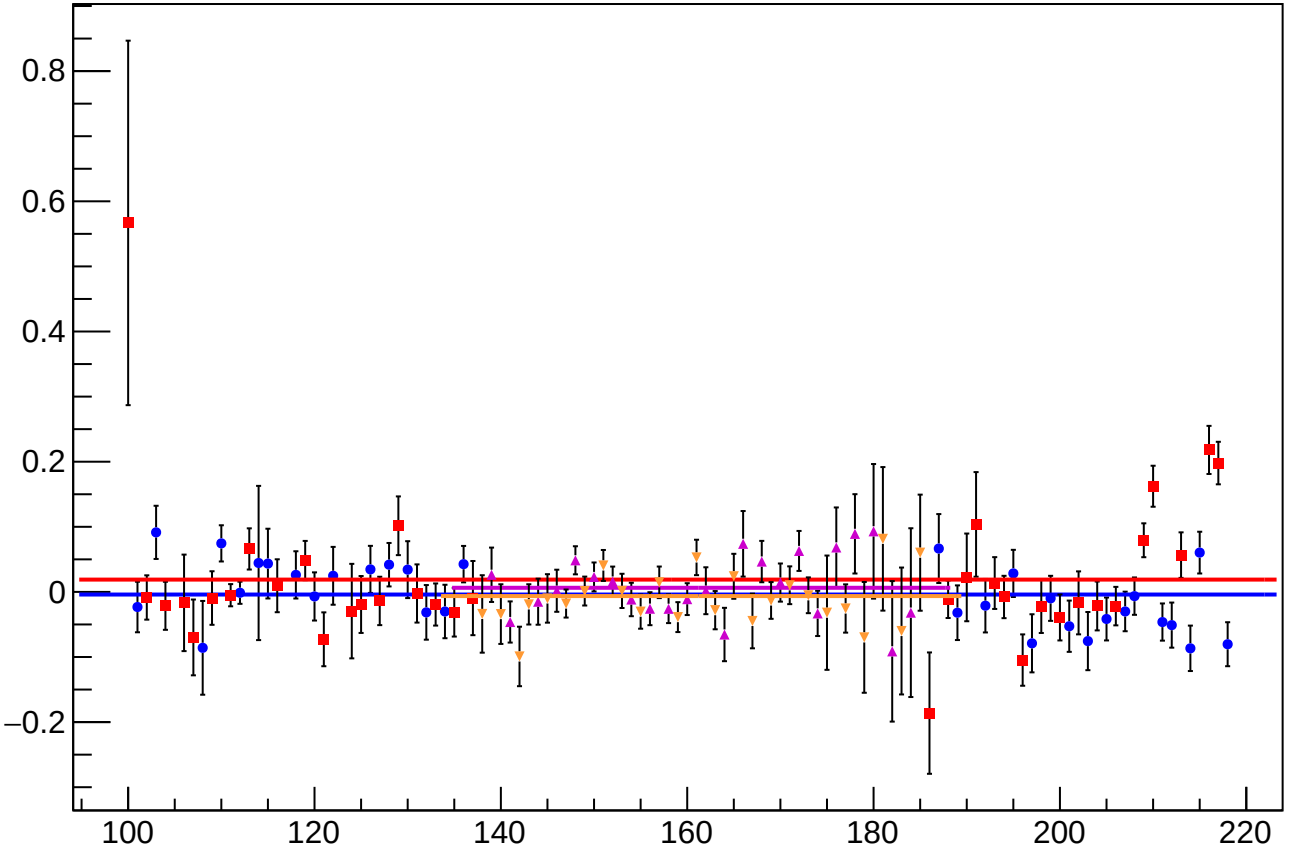
Right: 26.223+/-0.003 χ^2/NDF: 6613329.0/67

In: 26.099+/-0.003 χ^2/NDF:6425406.7/54

Out: 25.970+/-0.003 χ^2/NDF:7186824.4/60

All: 26.033+/-0.002 χ^2/NDF: 13613064.7/115

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: 0.019+/-0.006 χ^2/NDF: 139.1/35

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

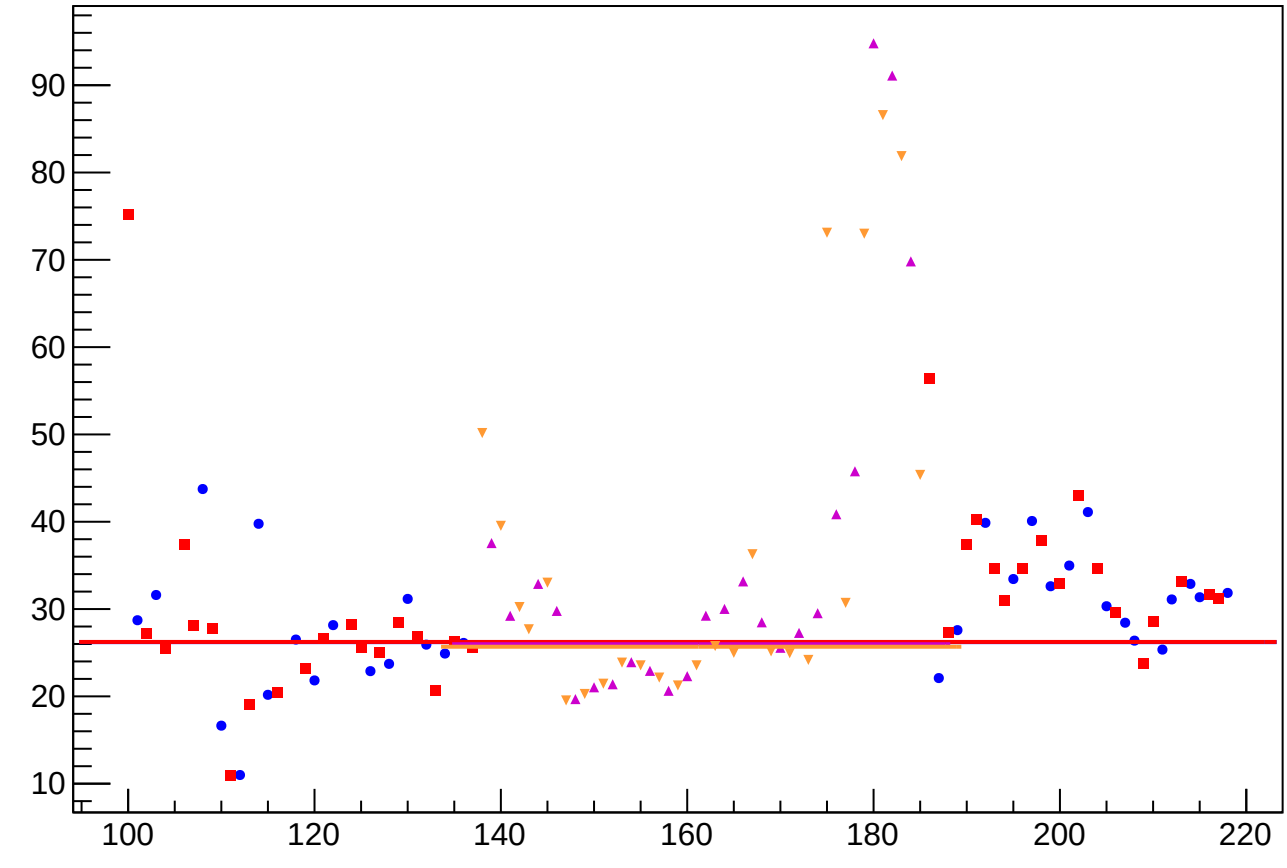
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.008+/-0.004 χ^2/NDF: 201.4/67

In: 0.001+/-0.005 χ^2/NDF:85.2/54

Out: 0.007+/-0.004 χ^2/NDF:169.8/60

All: 0.004+/-0.003 χ^2/NDF: 255.8/115



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: 26.234+/-0.004 χ^2/NDF: 3307636.8/35

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

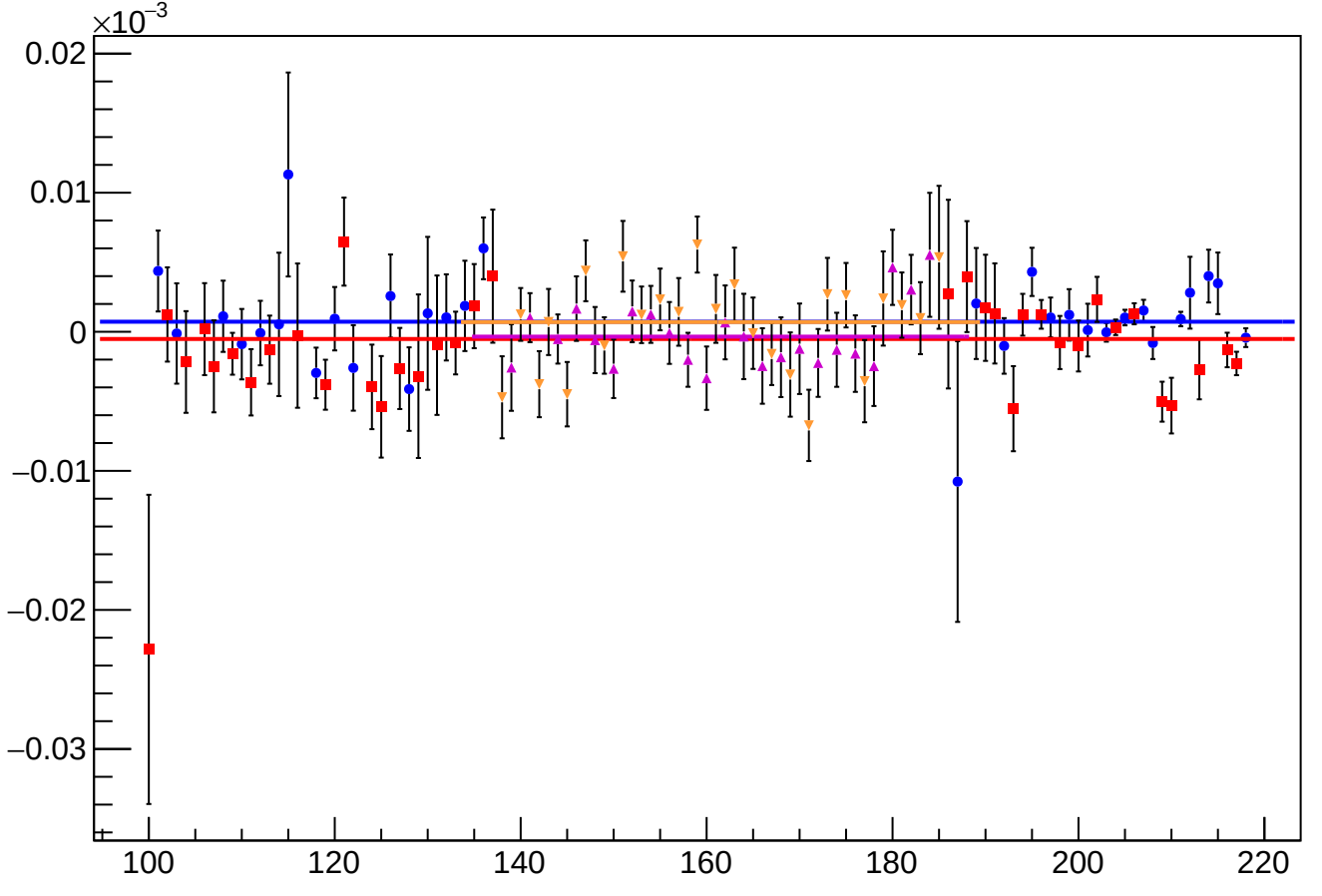
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 26.223+/-0.003 χ^2/NDF: 6613329.0/67

In: 26.099+/-0.003 χ^2/NDF:6425406.7/54

Out: 25.970+/-0.003 χ^2/NDF:7186824.4/60

All: 26.033+/-0.002 χ^2/NDF: 13613064.7/115



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: 62.4/35

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

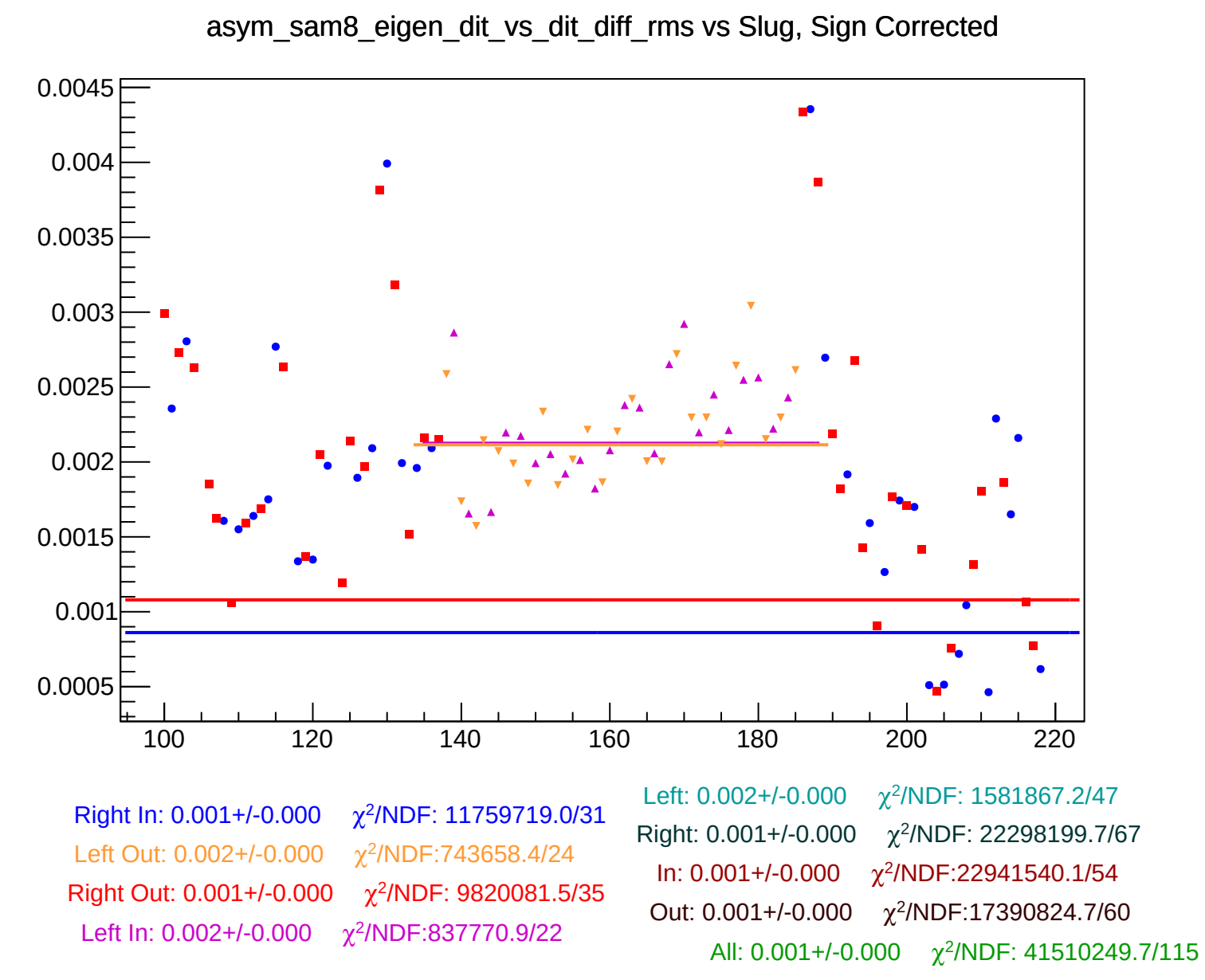
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

Right: 0.000+/-0.000 χ^2/NDF: 111.7/67

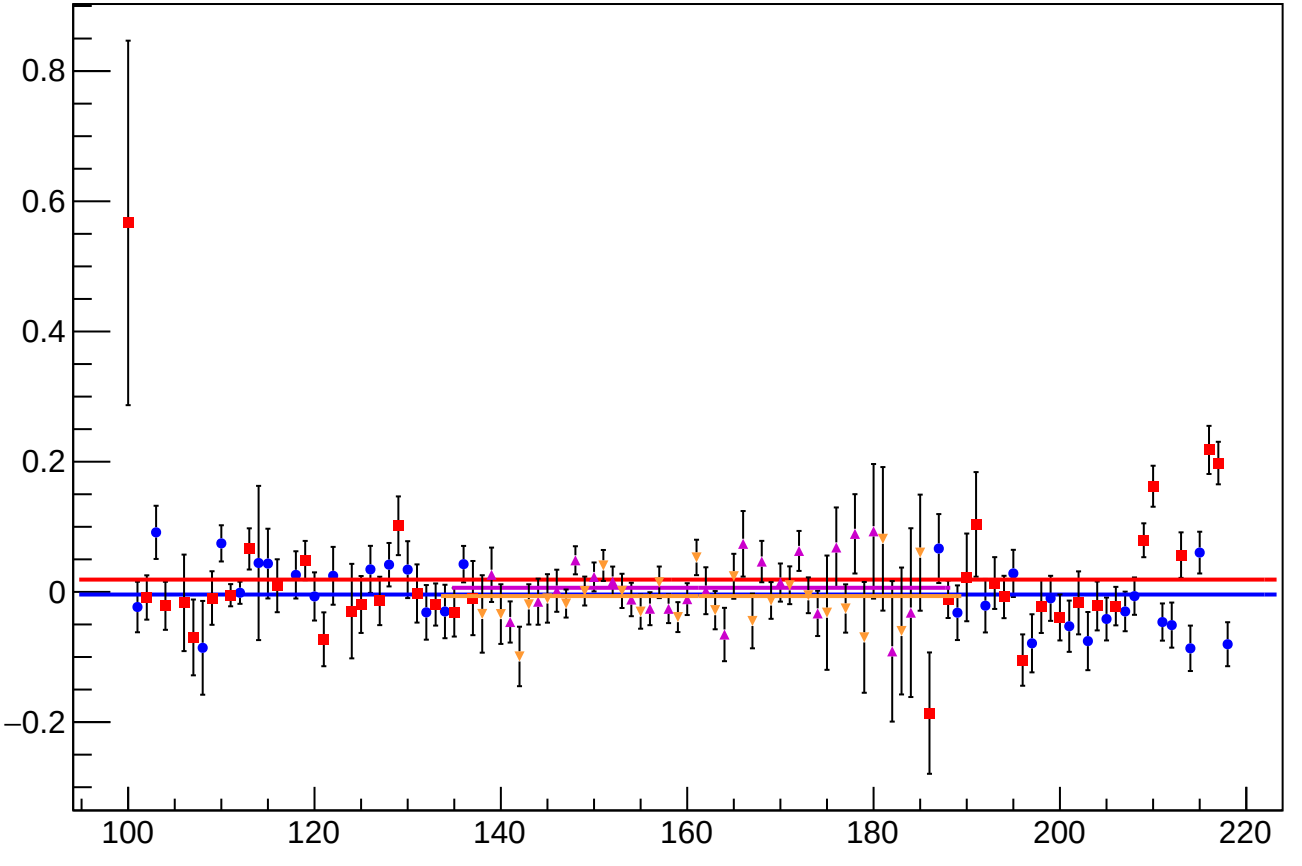
In: 0.000+/-0.000 χ^2/NDF:57.7/54

Out: -0.000+/-0.000 χ^2/NDF:111.4/60

All: 0.000+/-0.000 χ^2/NDF: 174.6/115


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: 9820081.5/35
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: 22298199.7/67
In: 0.001+/-0.000 χ²/NDF:22941540.1/54
Out: 0.001+/-0.000 χ²/NDF:17390824.7/60
All: 0.001+/-0.000 χ²/NDF: 41510249.7/115

asym_sam8_eigen_dit_vs_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: 0.019+/-0.006 χ^2/NDF: 139.1/35

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

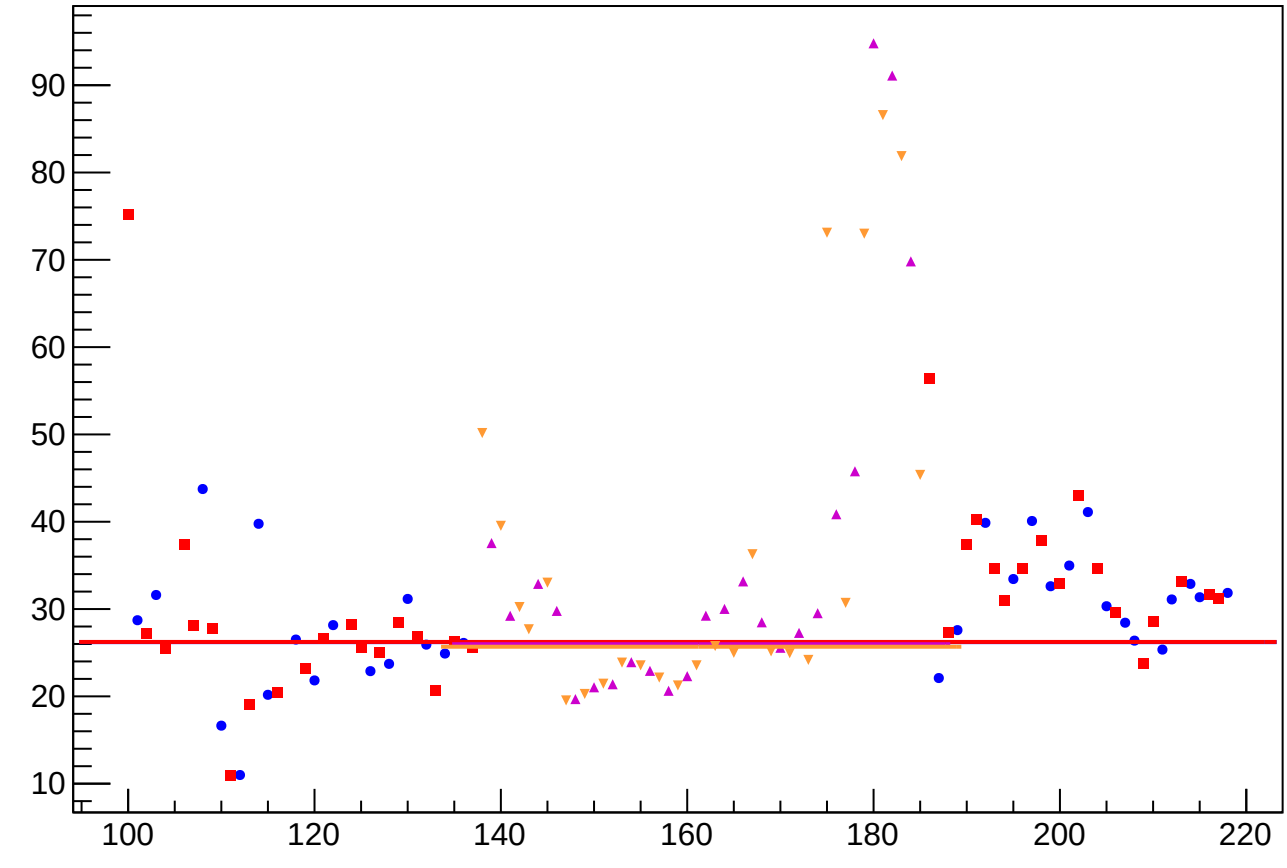
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.008+/-0.004 χ^2/NDF: 201.4/67

In: 0.001+/-0.005 χ^2/NDF:85.2/54

Out: 0.007+/-0.004 χ^2/NDF:169.8/60

All: 0.004+/-0.003 χ^2/NDF: 255.8/115



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: 26.233+/-0.004 χ^2/NDF: 3307933.9/35

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

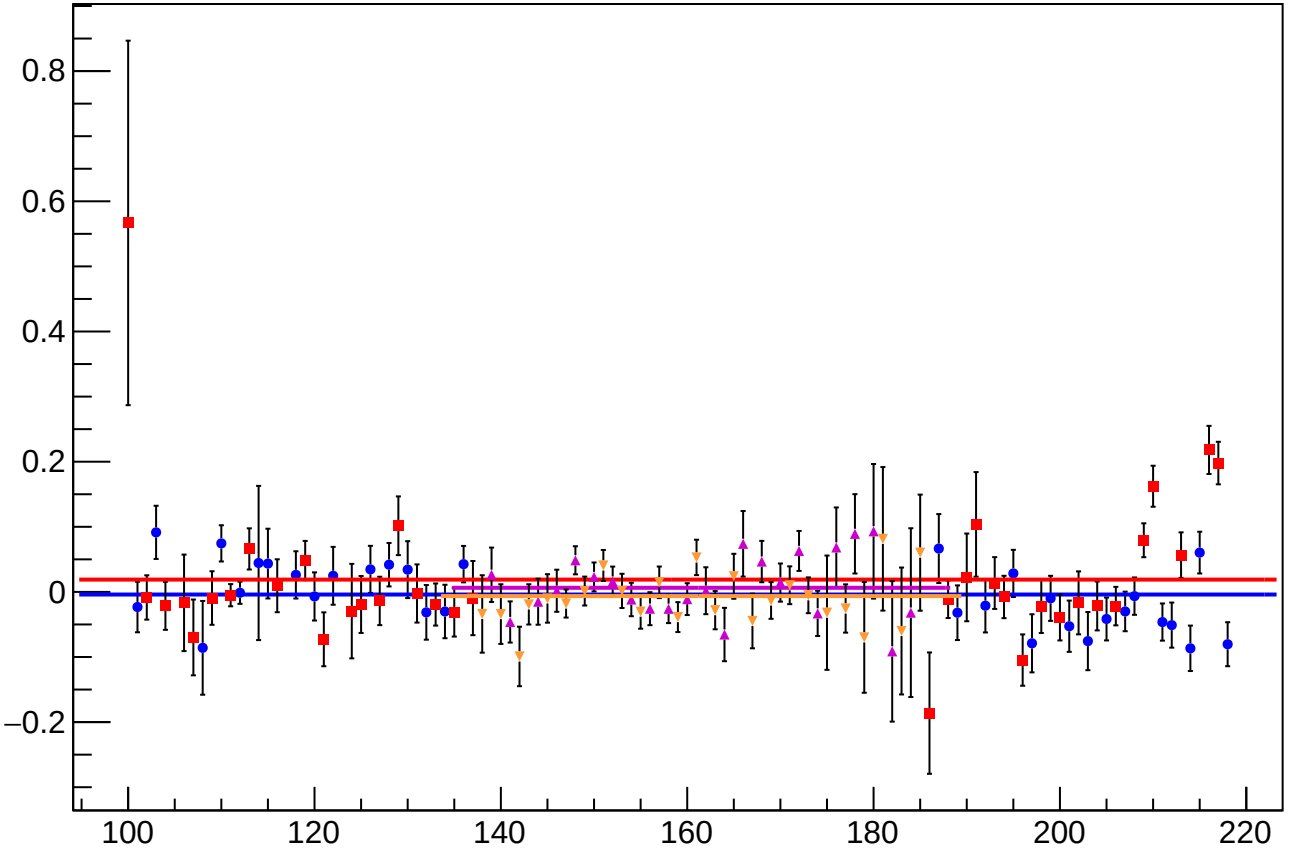
Right: 26.222+/-0.003 χ^2/NDF: 6613916.9/67

In: 26.099+/-0.003 χ^2/NDF:6425670.5/54

Out: 25.970+/-0.003 χ^2/NDF:7187107.4/60

All: 26.033+/-0.002 χ^2/NDF: 13613612.1/115

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: 0.019+/-0.006 χ^2/NDF: 139.1/35

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

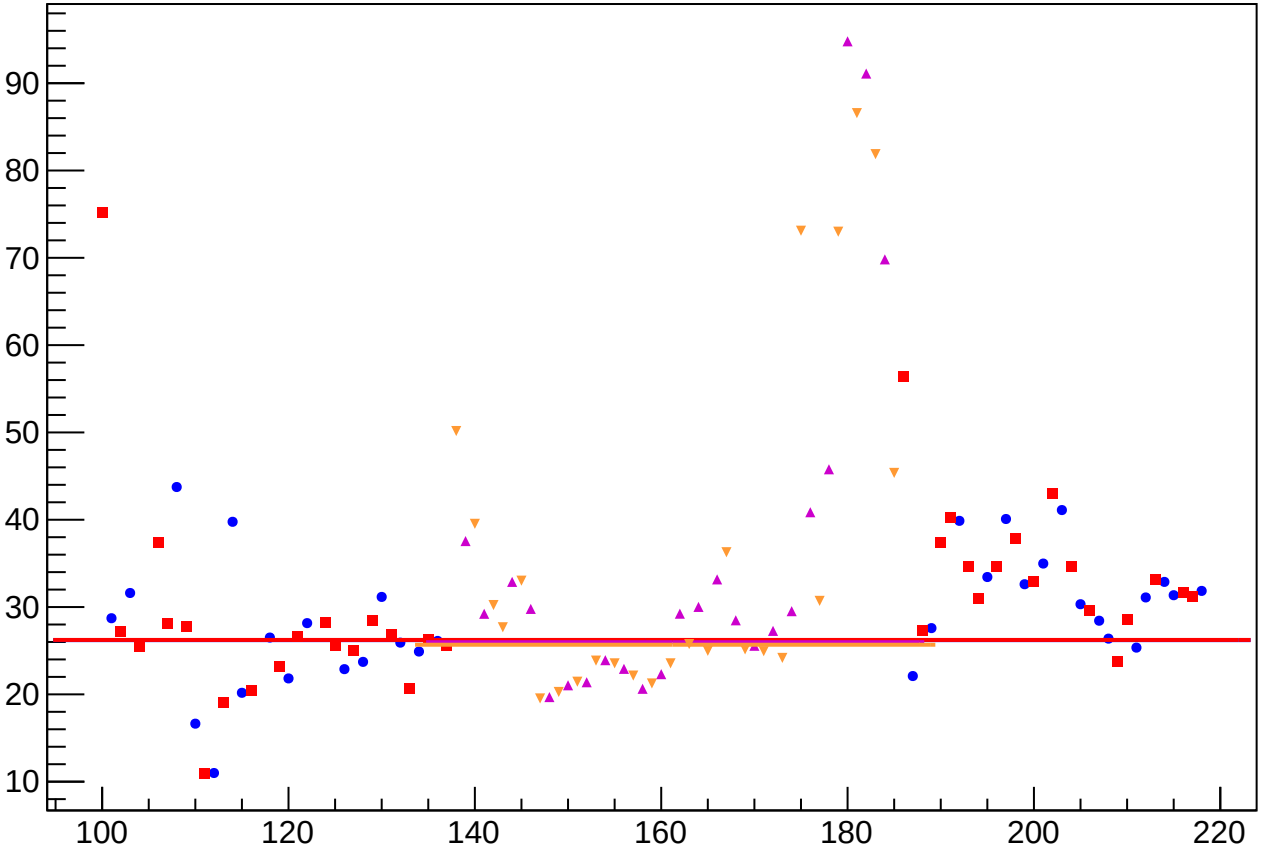
Right: 0.008+/-0.004 χ^2/NDF: 201.4/67

In: 0.001+/-0.005 χ^2/NDF:85.2/54

Out: 0.007+/-0.004 χ^2/NDF:169.8/60

All: 0.004+/-0.003 χ^2/NDF: 255.8/115

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: 26.233+/-0.004 χ^2/NDF: 3307933.9/35

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

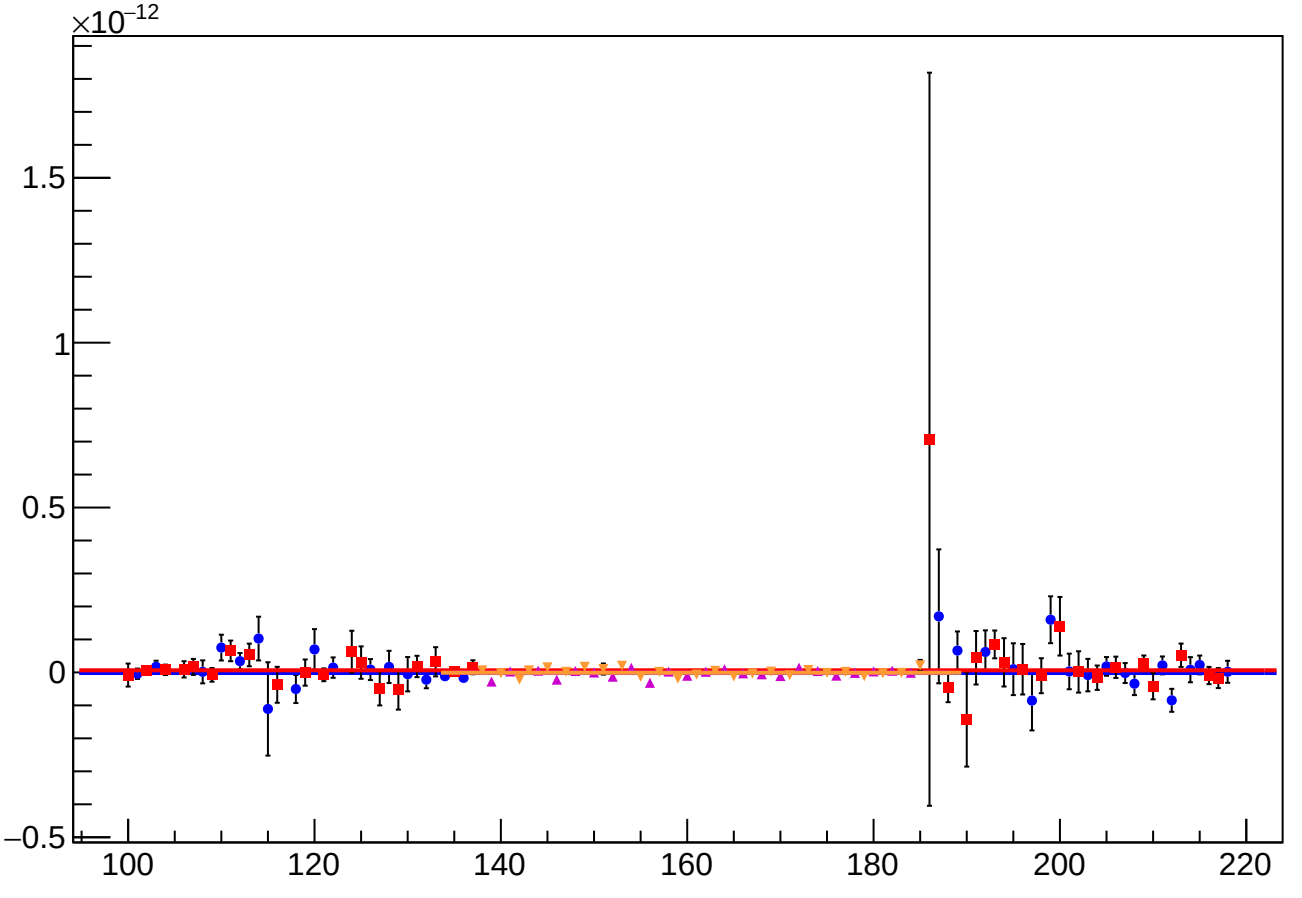
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 26.222+/-0.003 χ^2/NDF: 6613916.9/67

In: 26.099+/-0.003 χ^2/NDF:6425670.5/54

Out: 25.970+/-0.003 χ^2/NDF:7187107.4/60

All: 26.033+/-0.002 χ^2/NDF: 13613612.1/115



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: 25.6/35

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

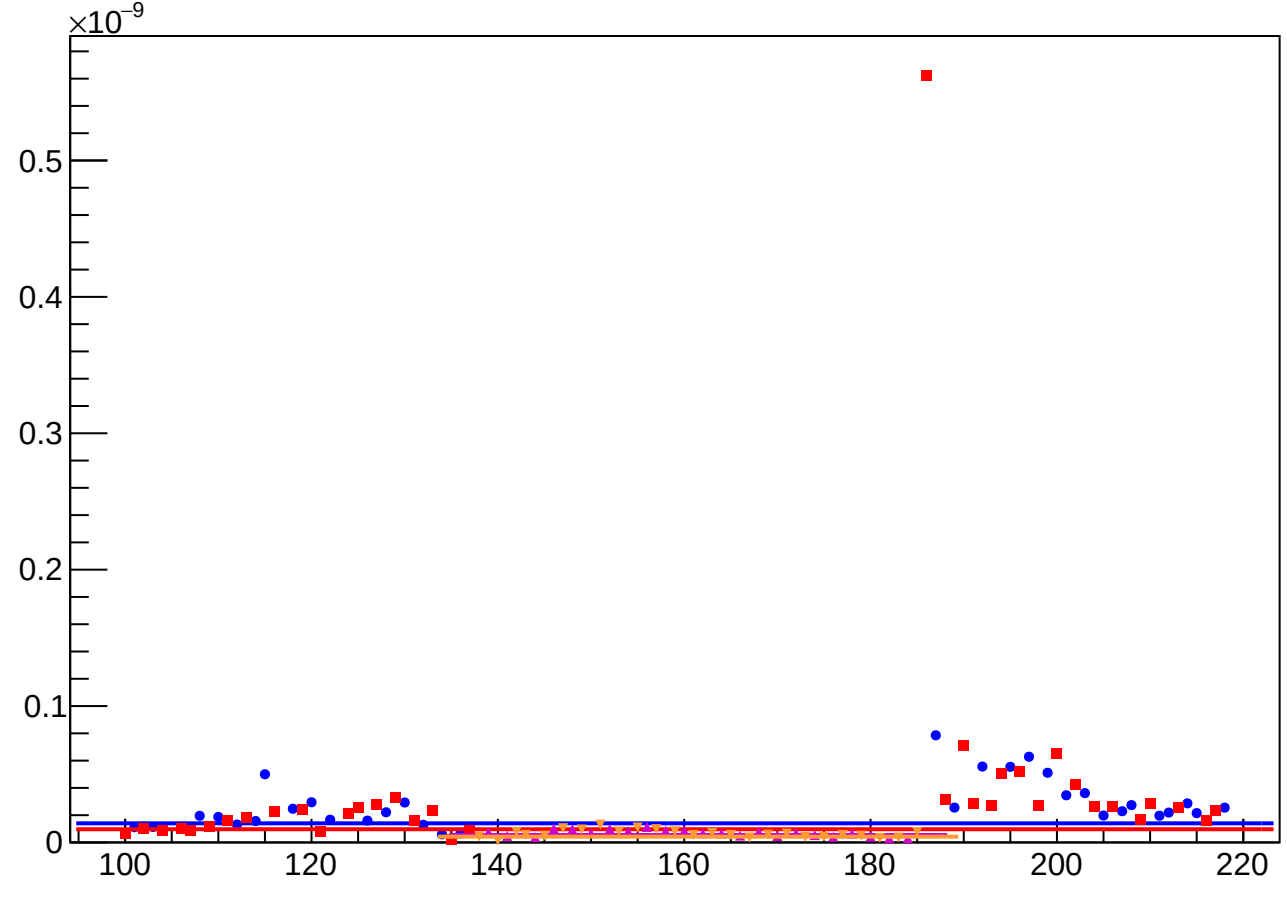
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 62.4/67

In: -0.000+/-0.000 χ^2/NDF:64.7/54

Out: -0.000+/-0.000 χ^2/NDF:57.5/60

All: -0.000+/-0.000 χ^2/NDF: 122.3/115



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: 11980535.2/35

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

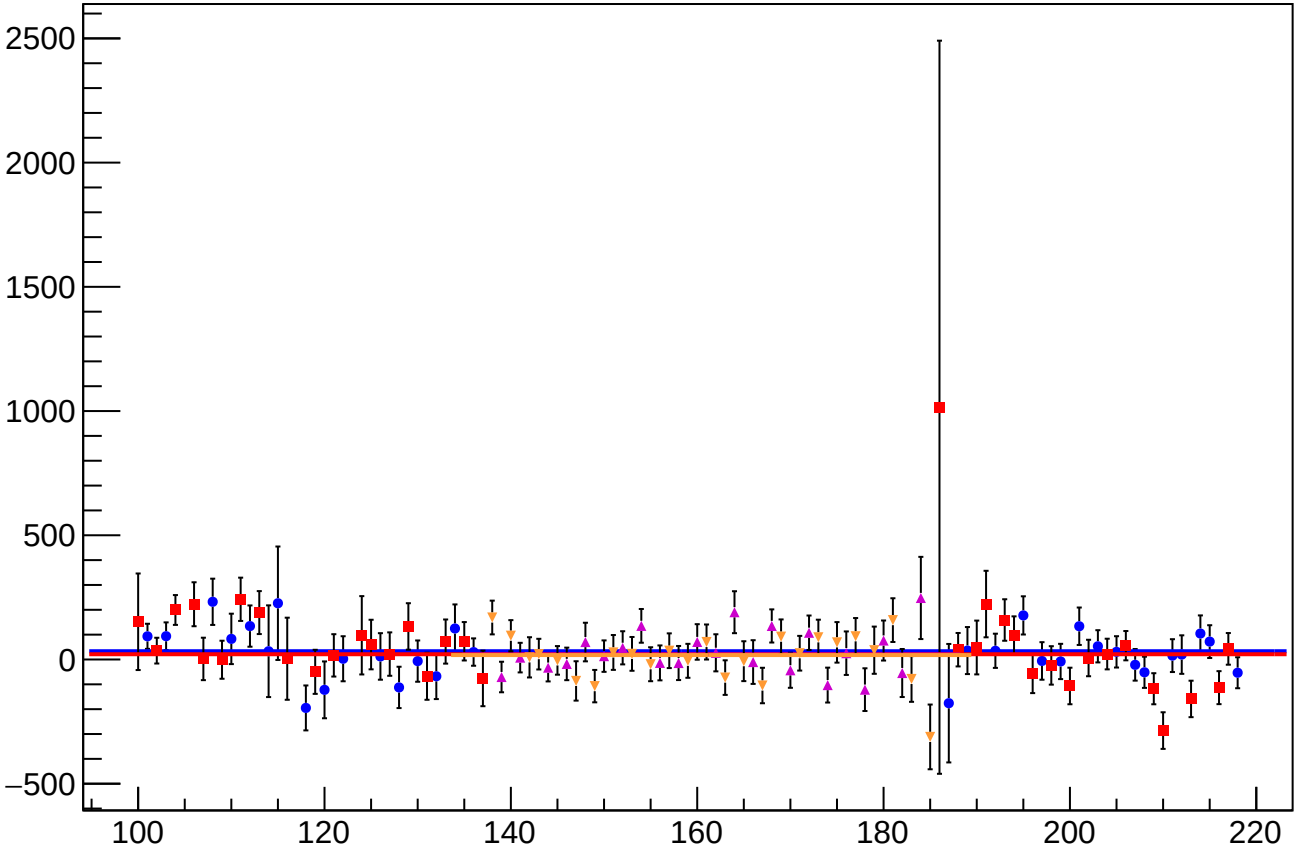
Right: 0.000+/-0.000 χ^2/NDF: 20672546.8/67

In: 0.000+/-0.000 χ^2/NDF:16181406.1/54

Out: 0.000+/-0.000 χ^2/NDF:20700969.2/60

All: 0.000+/-0.000 χ^2/NDF: 37989494.0/115

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: 21.152+/-13.387 χ^2/NDF: 73.6/35

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

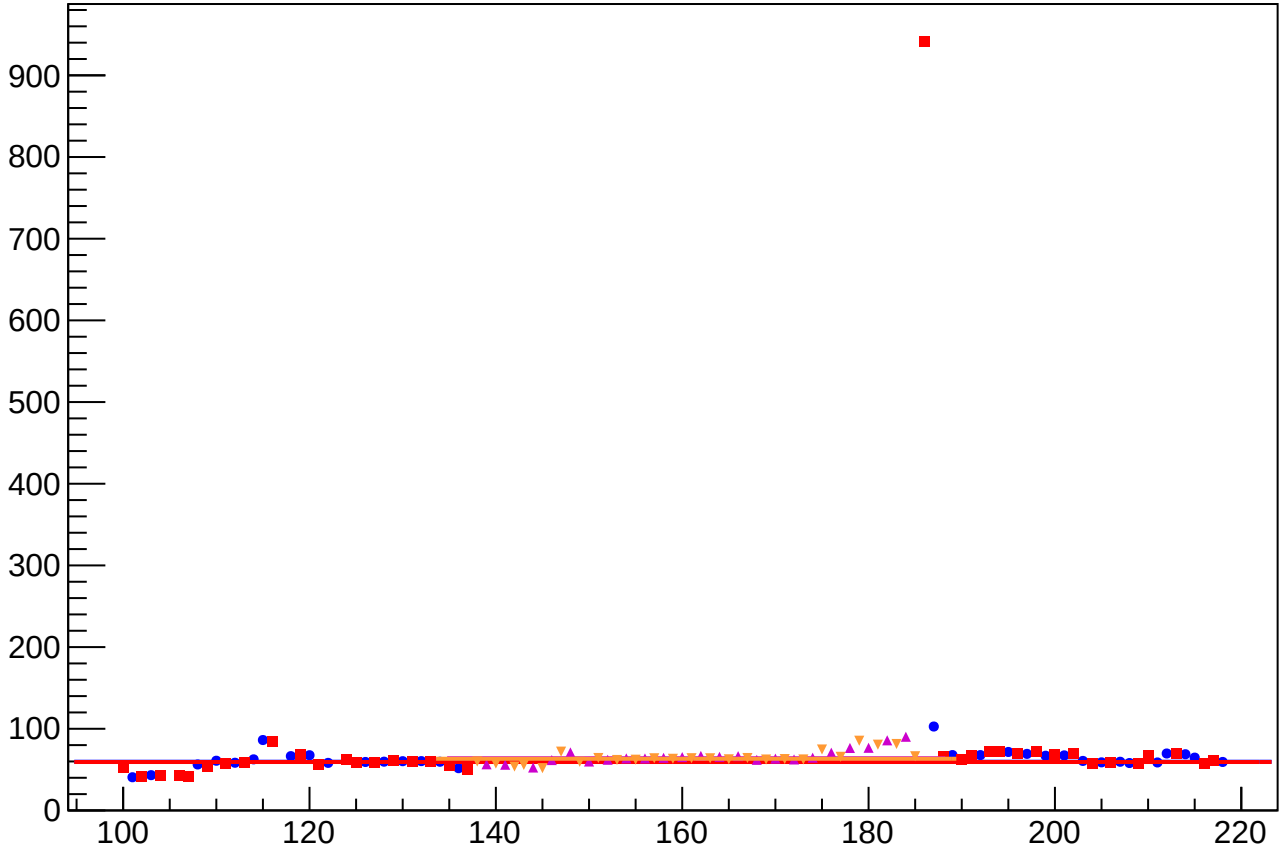
Right: 27.181+/-9.492 χ^2/NDF: 110.1/67

In: 27.213+/-10.030 χ^2/NDF:62.7/54

Out: 19.609+/-9.835 χ^2/NDF:105.2/60

All: 23.336+/-7.022 χ^2/NDF: 168.3/115

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: 59.307+/-0.009 χ^2/NDF: 1719331.3/35

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

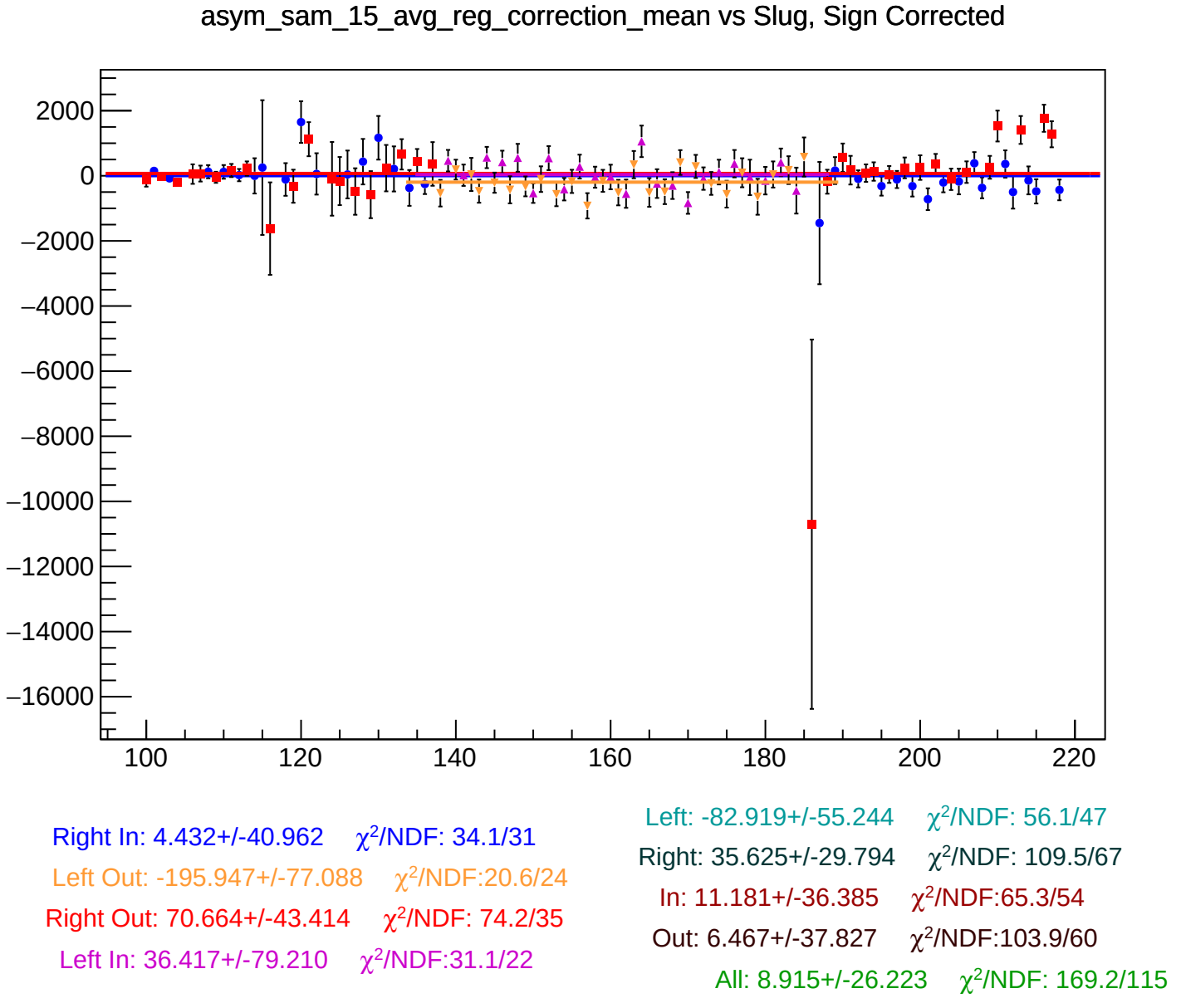
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 59.485+/-0.007 χ^2/NDF: 2582525.2/67

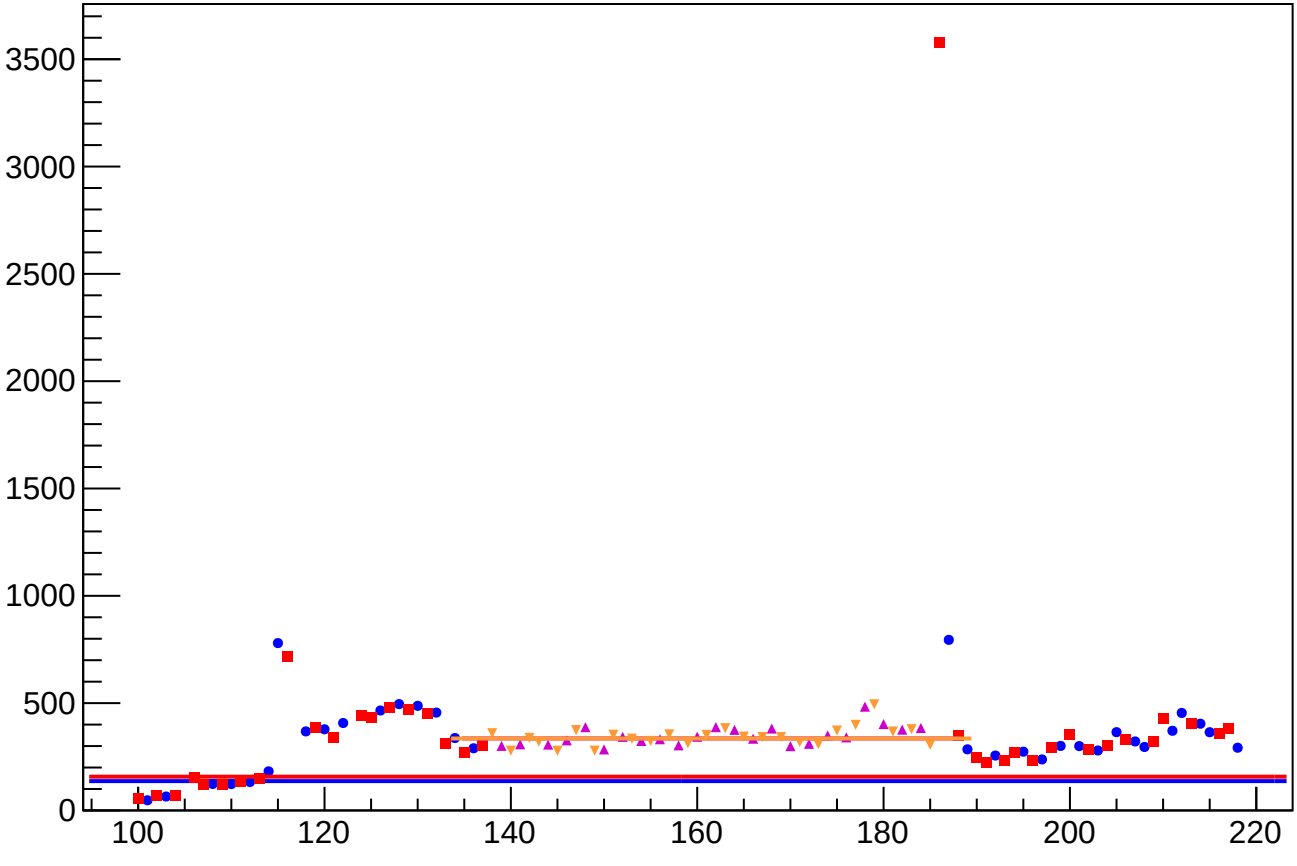
In: 61.556+/-0.007 χ^2/NDF:1396649.5/54

Out: 61.151+/-0.007 χ^2/NDF:2299173.0/60

All: 61.349+/-0.005 χ^2/NDF: 3697486.5/115


asym_sam_15_avg_reg_correction_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
100
120
140
160
180
200
220
Right In: 4.432+/-40.962 χ²/NDF: 34.1/31
Left Out: -195.947+/-77.088 χ²/NDF:20.6/24
Right Out: 70.664+/-43.414 χ²/NDF: 74.2/35
Left In: 36.417+/-79.210 χ²/NDF:31.1/22
Left: -82.919+/-55.244 χ²/NDF: 56.1/47
Right: 35.625+/-29.794 χ²/NDF: 109.5/67
In: 11.181+/-36.385 χ²/NDF:65.3/54
Out: 6.467+/-37.827 χ²/NDF:103.9/60
All: 8.915+/-26.223 χ²/NDF: 169.2/115

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: 157.421+/-0.031 χ^2/NDF: 14346942.3/35

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

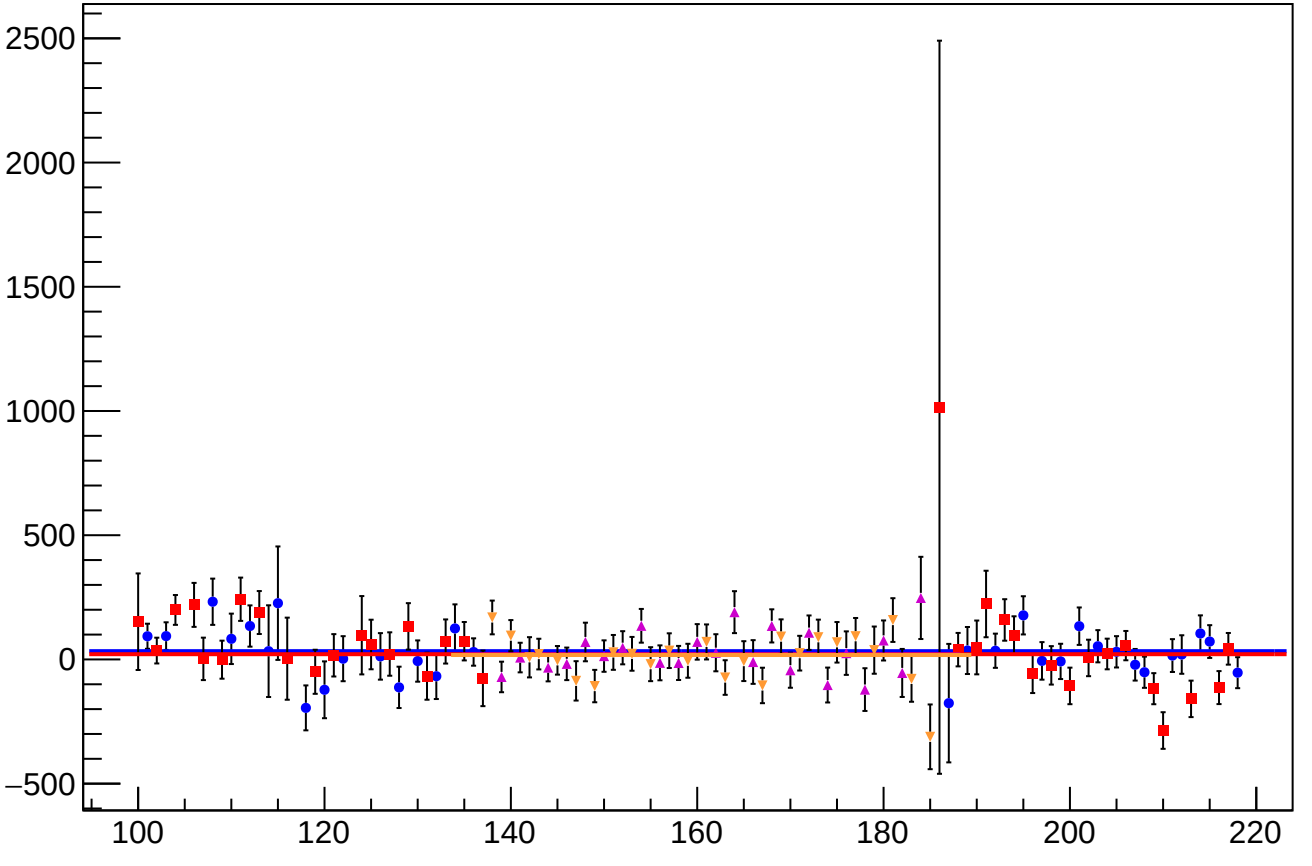
Right: 146.446+/-0.021 χ^2/NDF: 31611225.5/67

In: 178.634+/-0.026 χ^2/NDF:27462706.6/54

Out: 200.245+/-0.027 χ^2/NDF:22992884.9/60

All: 189.020+/-0.019 χ^2/NDF: 50794671.0/11

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: 21.088+/-13.387 χ^2/NDF: 73.5/35

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

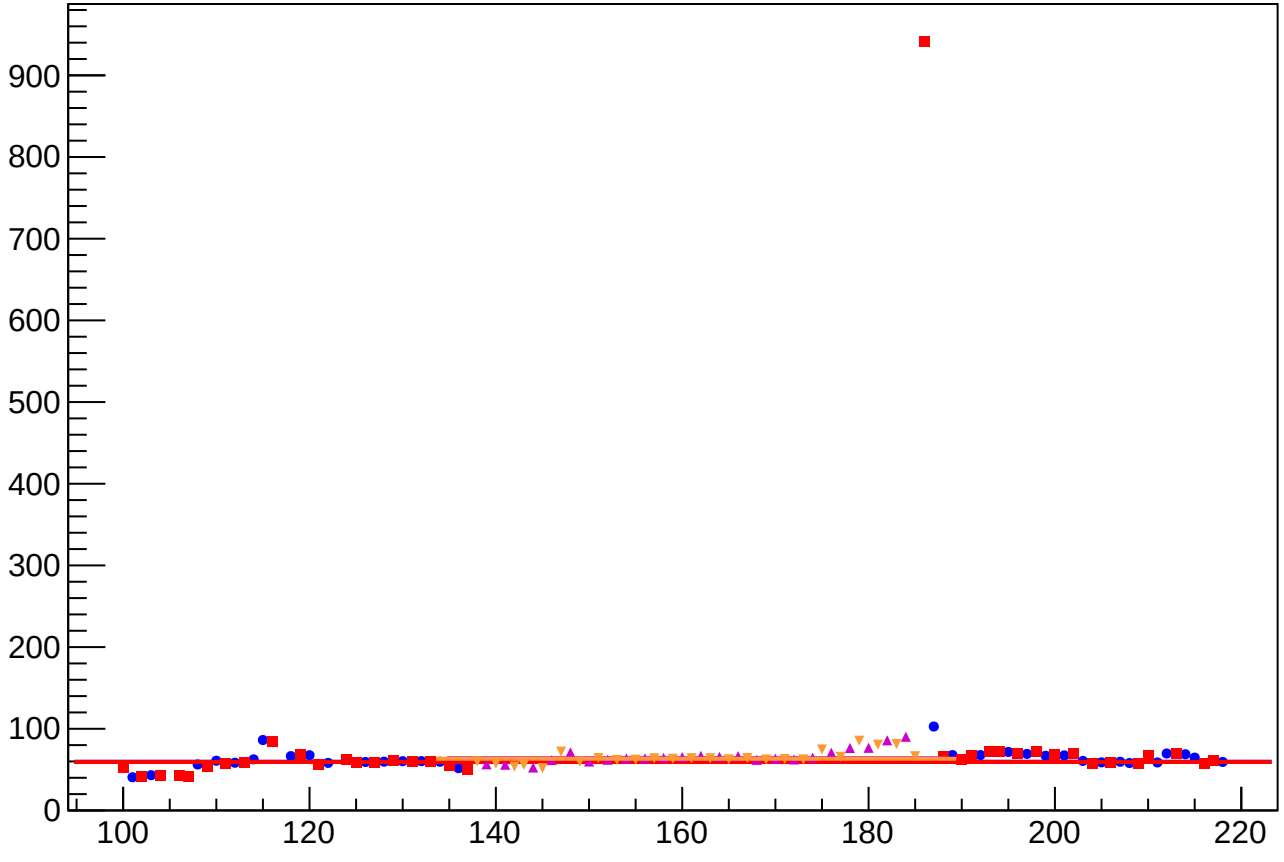
Right: 27.152+/-9.492 χ^2/NDF: 109.9/67

In: 27.216+/-10.030 χ^2/NDF:62.7/54

Out: 19.576+/-9.835 χ^2/NDF:105.1/60

All: 23.321+/-7.022 χ^2/NDF: 168.1/115

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



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: 59.307+/-0.009 χ^2/NDF: 1719756.2/35

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

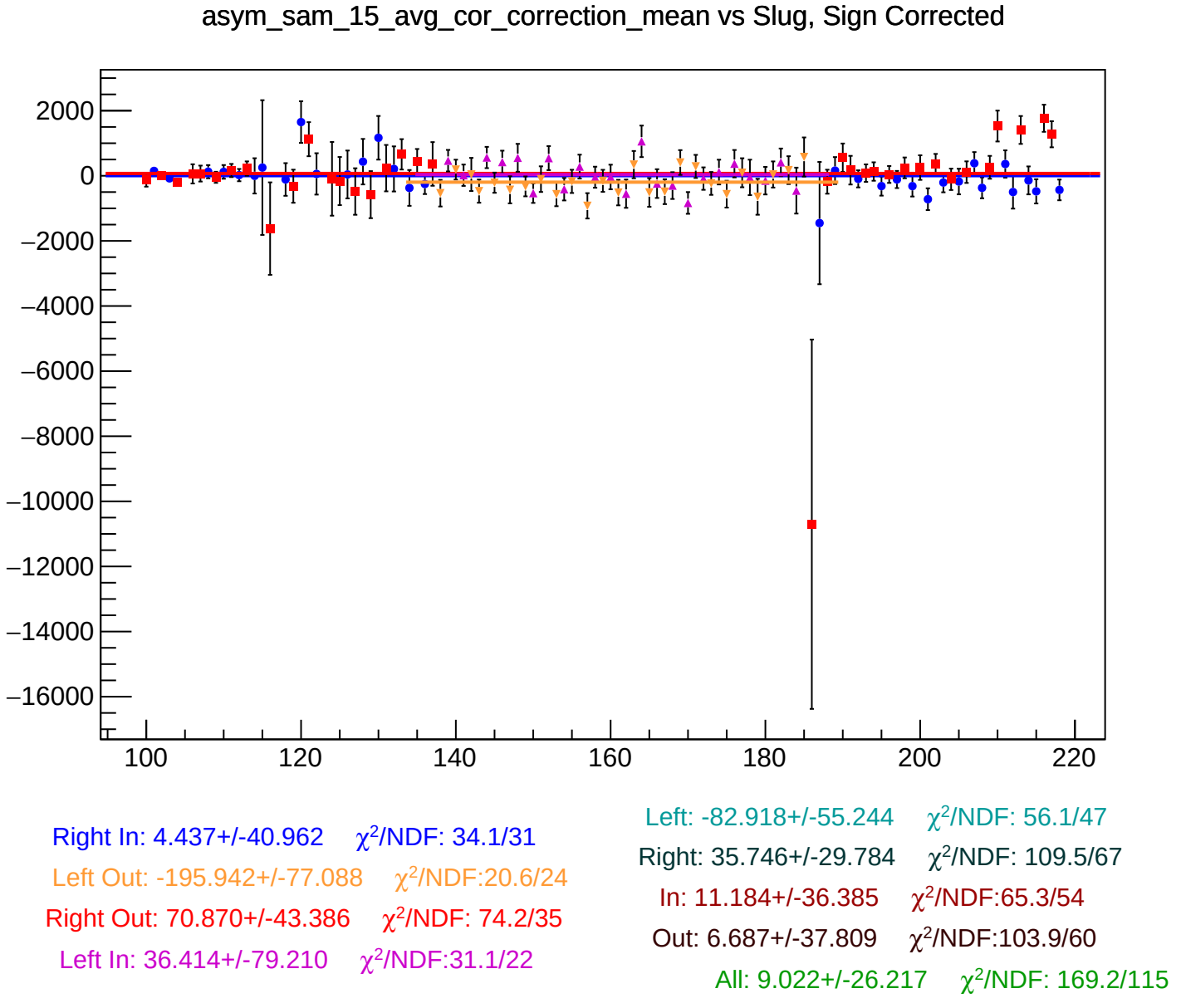
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

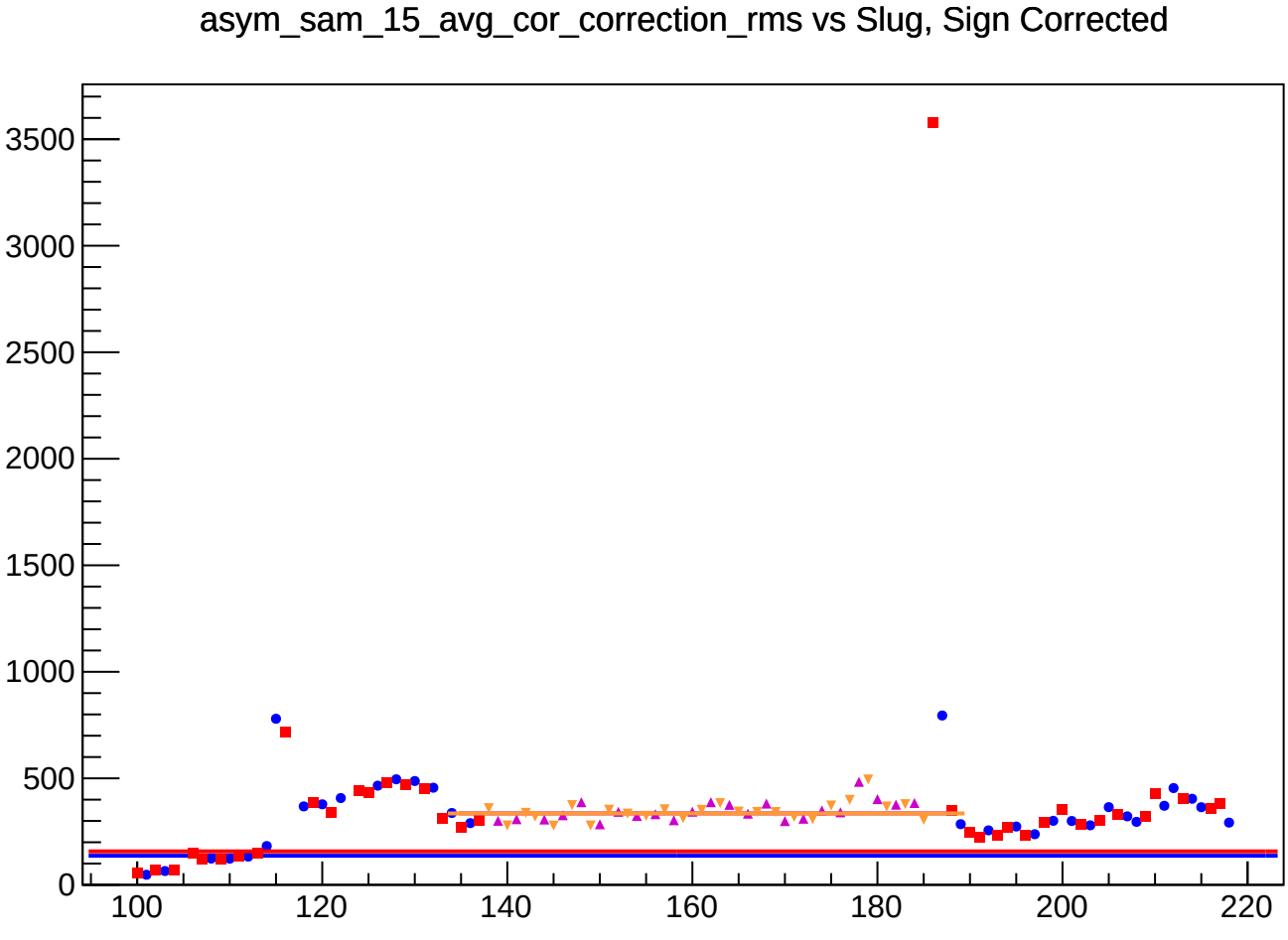
Right: 59.484+/-0.007 χ^2/NDF: 2582951.5/67

In: 61.556+/-0.007 χ^2/NDF:1396648.3/54

Out: 61.151+/-0.007 χ^2/NDF:2299620.7/60

All: 61.349+/-0.005 χ^2/NDF: 3697935.2/115


asym_sam_15_avg_cor_correction_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
100
120
140
160
180
200
220
Right In: 4.437+/-40.962 χ²/NDF: 34.1/31
Left Out: -195.942+/-77.088 χ²/NDF:20.6/24
Right Out: 70.870+/-43.386 χ²/NDF: 74.2/35
Left In: 36.414+/-79.210 χ²/NDF:31.1/22
Left: -82.918+/-55.244 χ²/NDF: 56.1/47
Right: 35.746+/-29.784 χ²/NDF: 109.5/67
In: 11.184+/-36.385 χ²/NDF:65.3/54
Out: 6.687+/-37.809 χ²/NDF:103.9/60
All: 9.022+/-26.217 χ²/NDF: 169.2/115



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: 157.225+/-0.031 χ^2/NDF: 14356048.5/35

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

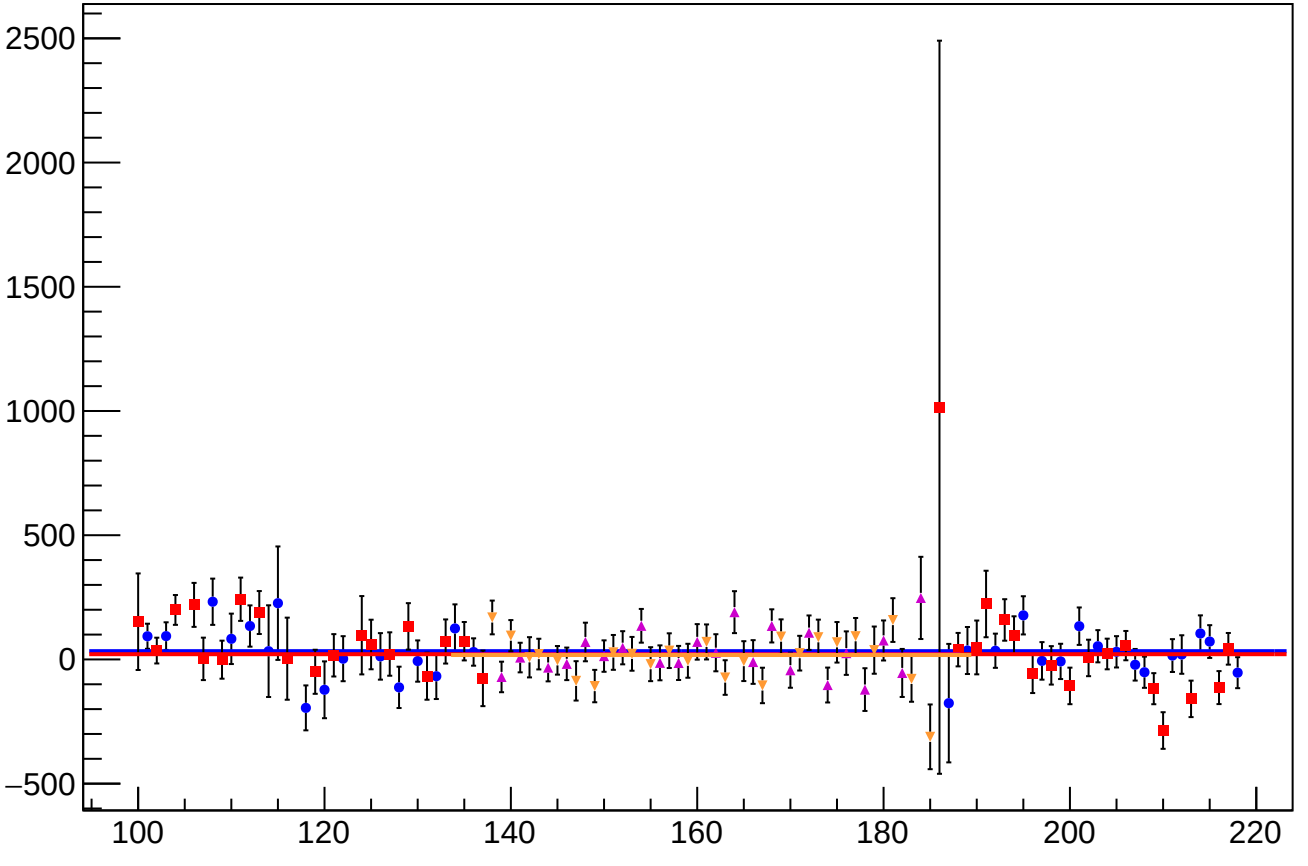
Right: 146.359+/-0.021 χ^2/NDF: 31616453.6/67

In: 178.630+/-0.026 χ^2/NDF:27463537.9/54

Out: 200.056+/-0.027 χ^2/NDF:23022228.9/60

All: 188.932+/-0.019 χ^2/NDF: 50819219.6/11

eigen_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: 21.088+/-13.387 χ^2/NDF: 73.5/35

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

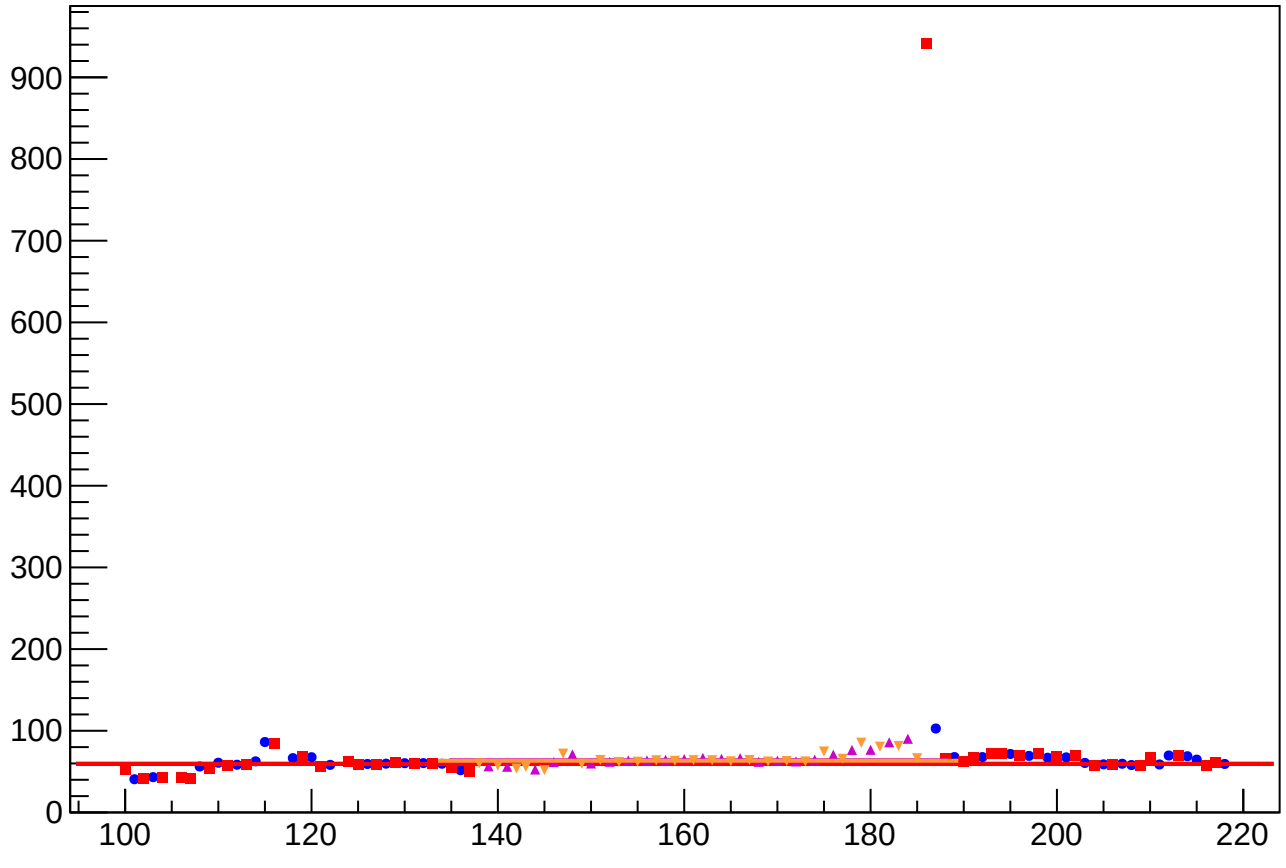
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 27.152+/-9.492 χ^2/NDF: 109.9/67

In: 27.216+/-10.030 χ^2/NDF:62.7/54

Out: 19.576+/-9.835 χ^2/NDF:105.1/60

All: 23.321+/-7.022 χ^2/NDF: 168.1/115



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: 59.307+/-0.009 χ^2/NDF: 1719756.2/35

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

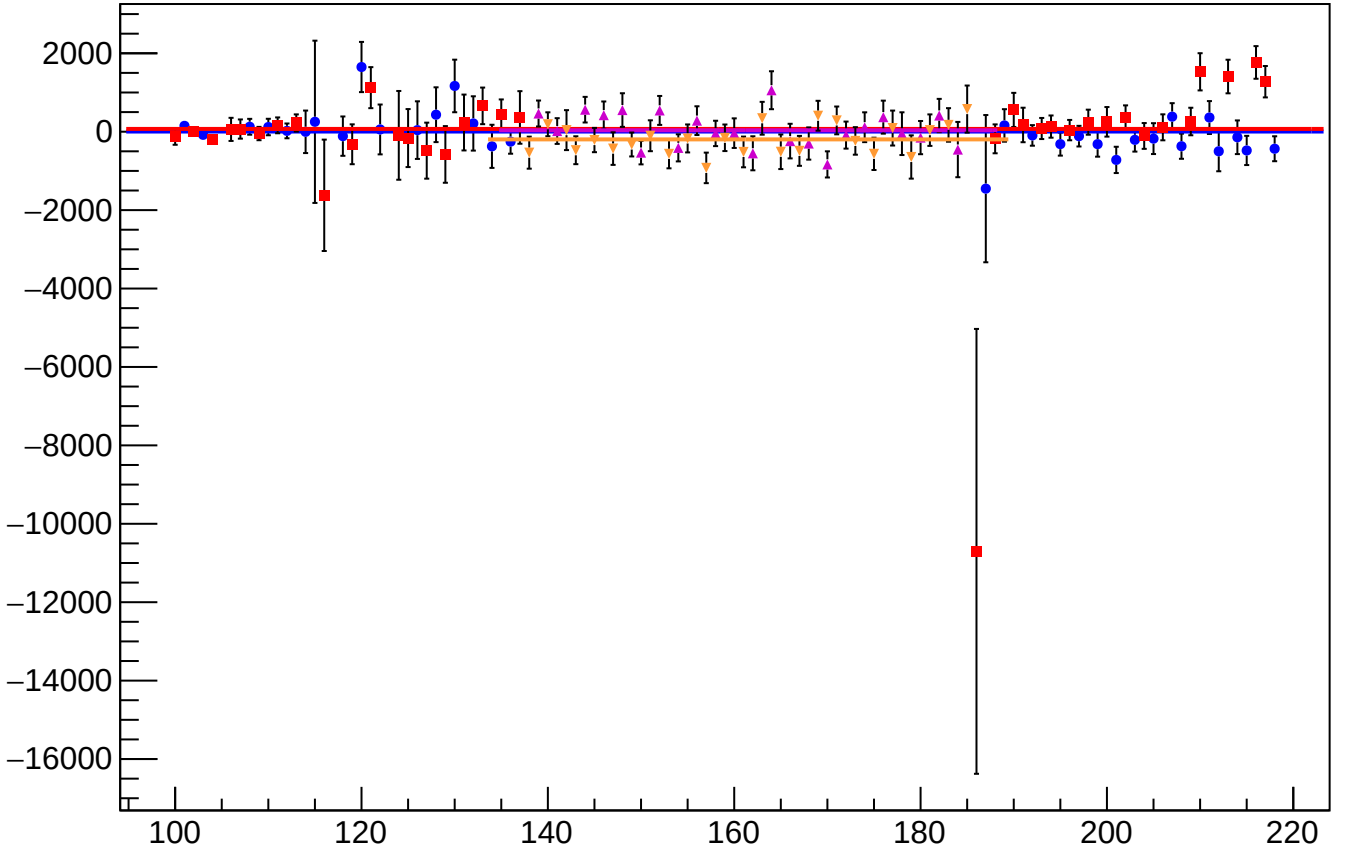
Right: 59.484+/-0.007 χ^2/NDF: 2582951.5/67

In: 61.556+/-0.007 χ^2/NDF:1396648.3/54

Out: 61.151+/-0.007 χ^2/NDF:2299620.7/60

All: 61.349+/-0.005 χ^2/NDF: 3697935.2/115

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: 70.870+/-43.386 χ^2/NDF: 74.2/35

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

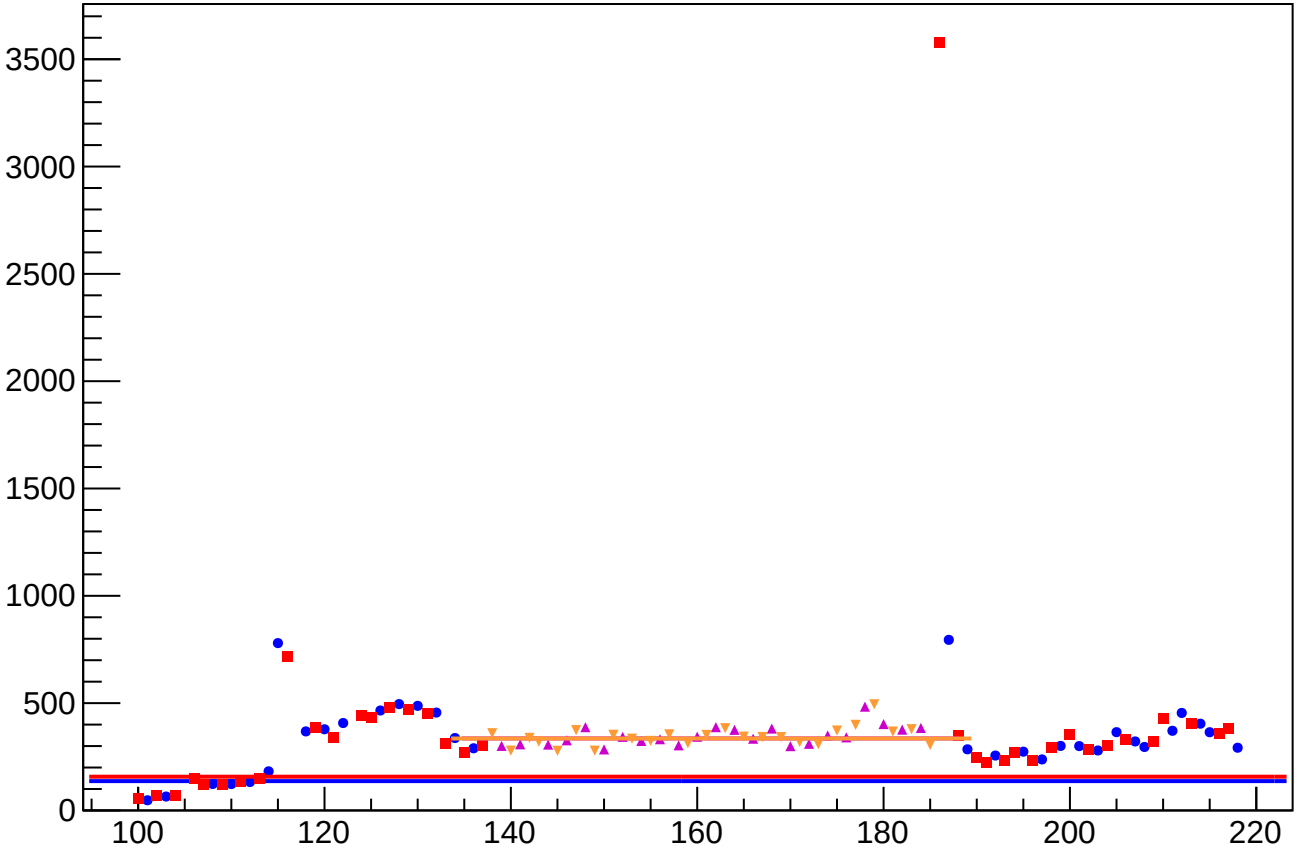
Right: 35.746+/-29.784 χ^2/NDF: 109.5/67

In: 11.184+/-36.385 χ^2/NDF:65.3/54

Out: 6.687+/-37.809 χ^2/NDF:103.9/60

All: 9.022+/-26.217 χ^2/NDF: 169.2/115

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: 157.225+/-0.031 χ^2/NDF: 14356048.5/35

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

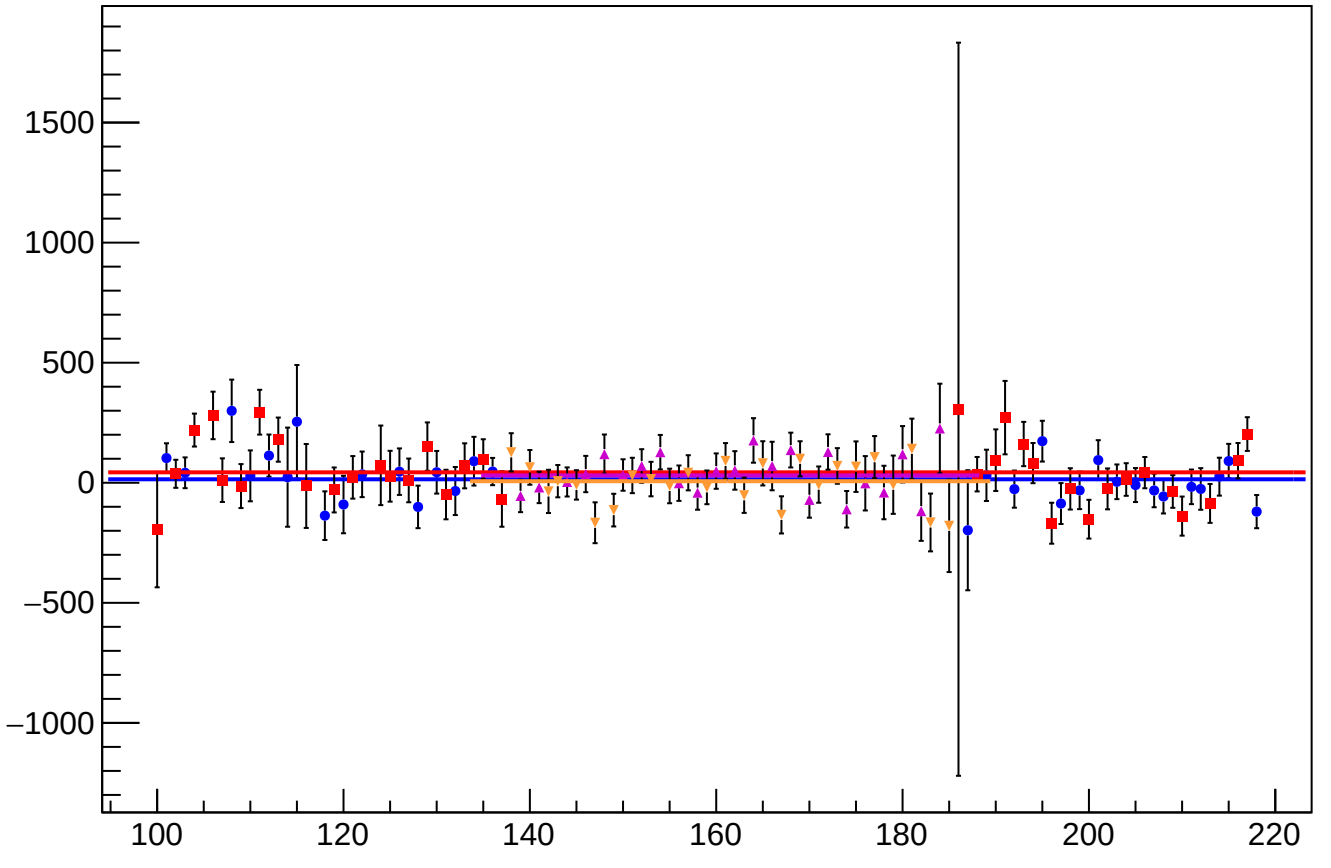
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 146.359+/-0.021 χ^2/NDF: 31616453.6/67

In: 178.630+/-0.026 χ^2/NDF:27463537.9/54

Out: 200.056+/-0.027 χ^2/NDF:23022228.9/60

All: 188.932+/-0.019 χ^2/NDF: 50819219.6/11



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: 43.469+/-14.696 χ^2/NDF: 59.9/35

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

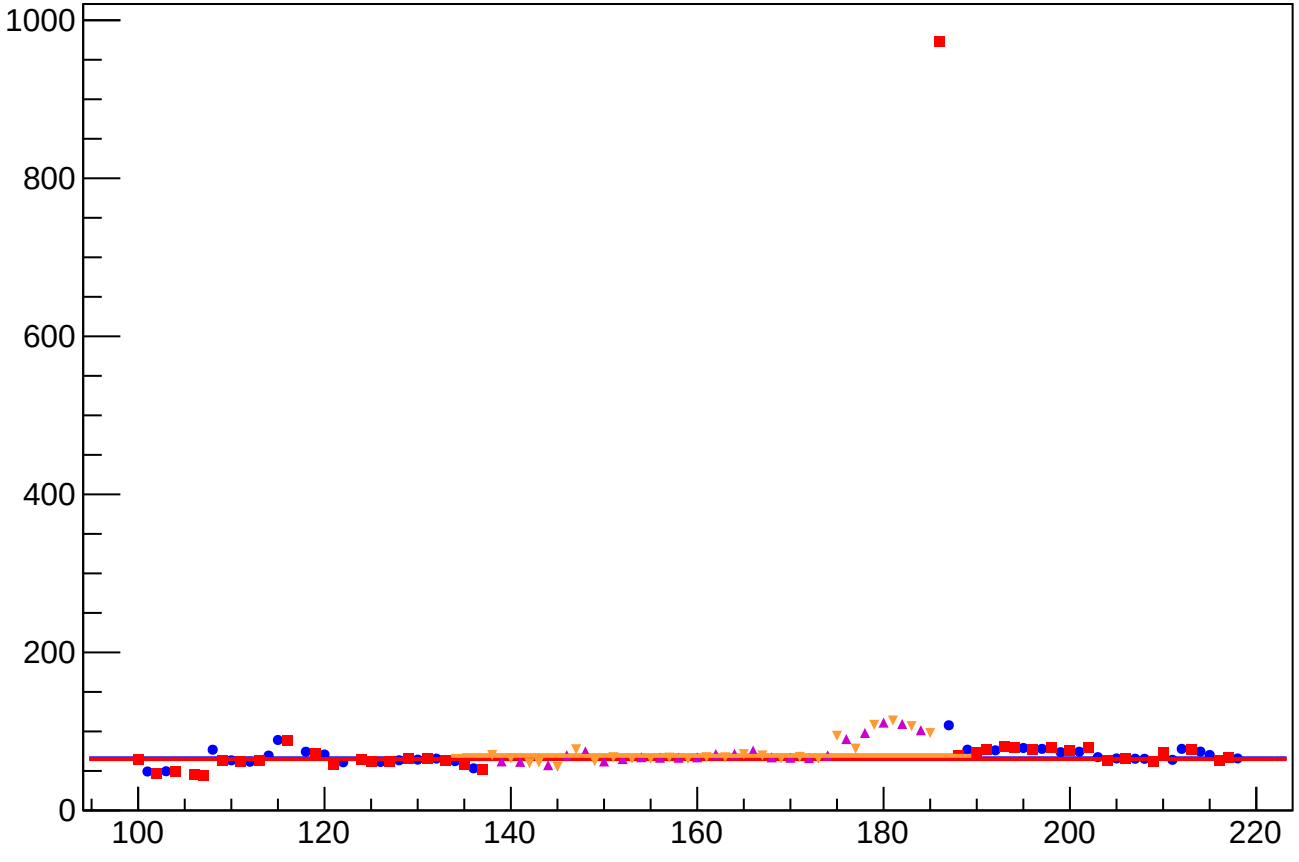
Right: 29.145+/-10.456 χ^2/NDF: 91.4/67

In: 21.726+/-11.051 χ^2/NDF:52.6/54

Out: 26.512+/-10.816 χ^2/NDF:87.9/60

All: 24.170+/-7.730 χ^2/NDF: 140.5/115

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



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: 65.000+/-0.010 χ^2/NDF: 1712113.8/35

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

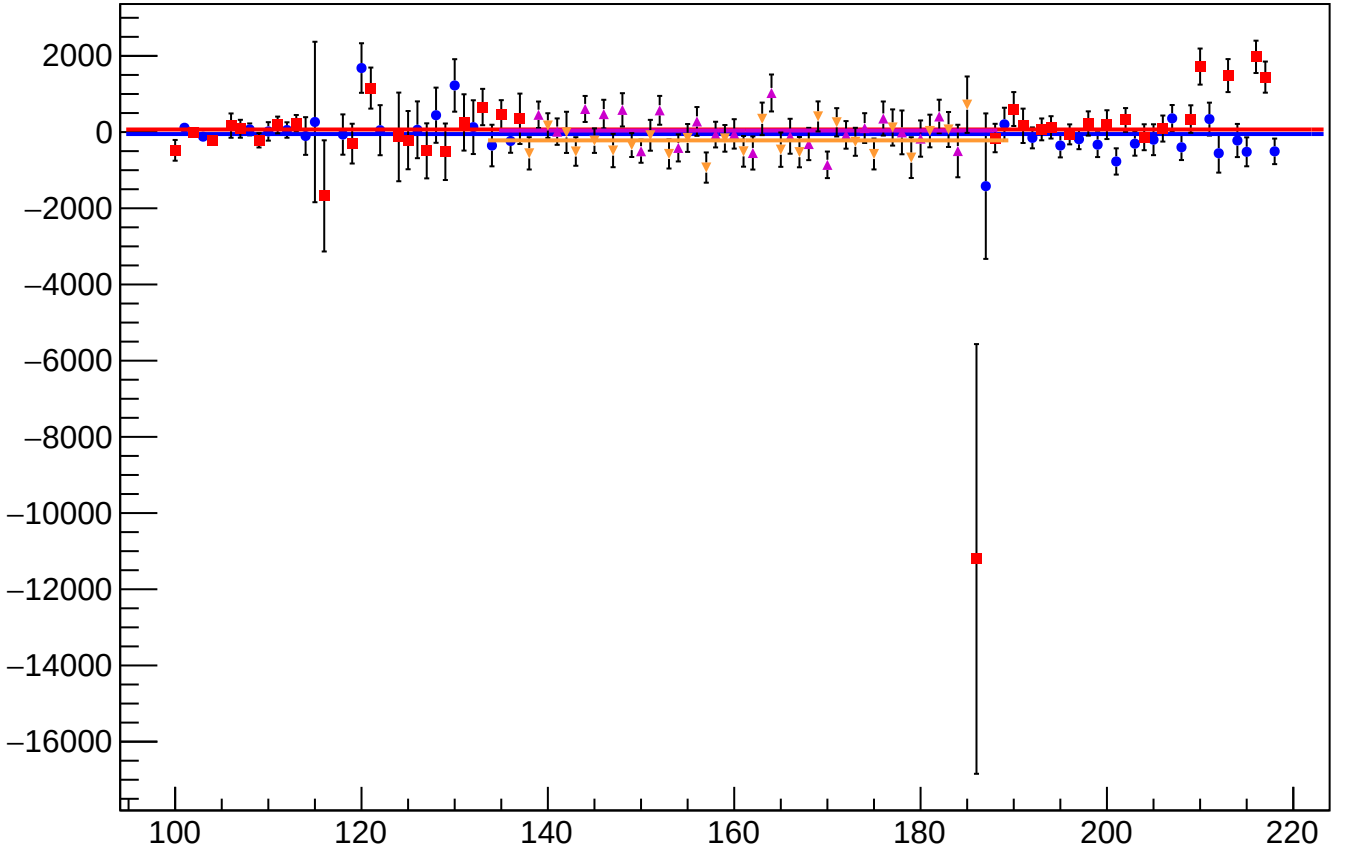
Right: 65.475+/-0.007 χ^2/NDF: 2474014.7/67

In: 67.520+/-0.008 χ^2/NDF:1731177.2/54

Out: 66.869+/-0.008 χ^2/NDF:2856702.8/60

All: 67.188+/-0.005 χ^2/NDF: 4591419.2/115

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: 68.232+/-45.545 χ^2/NDF: 88.3/35

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

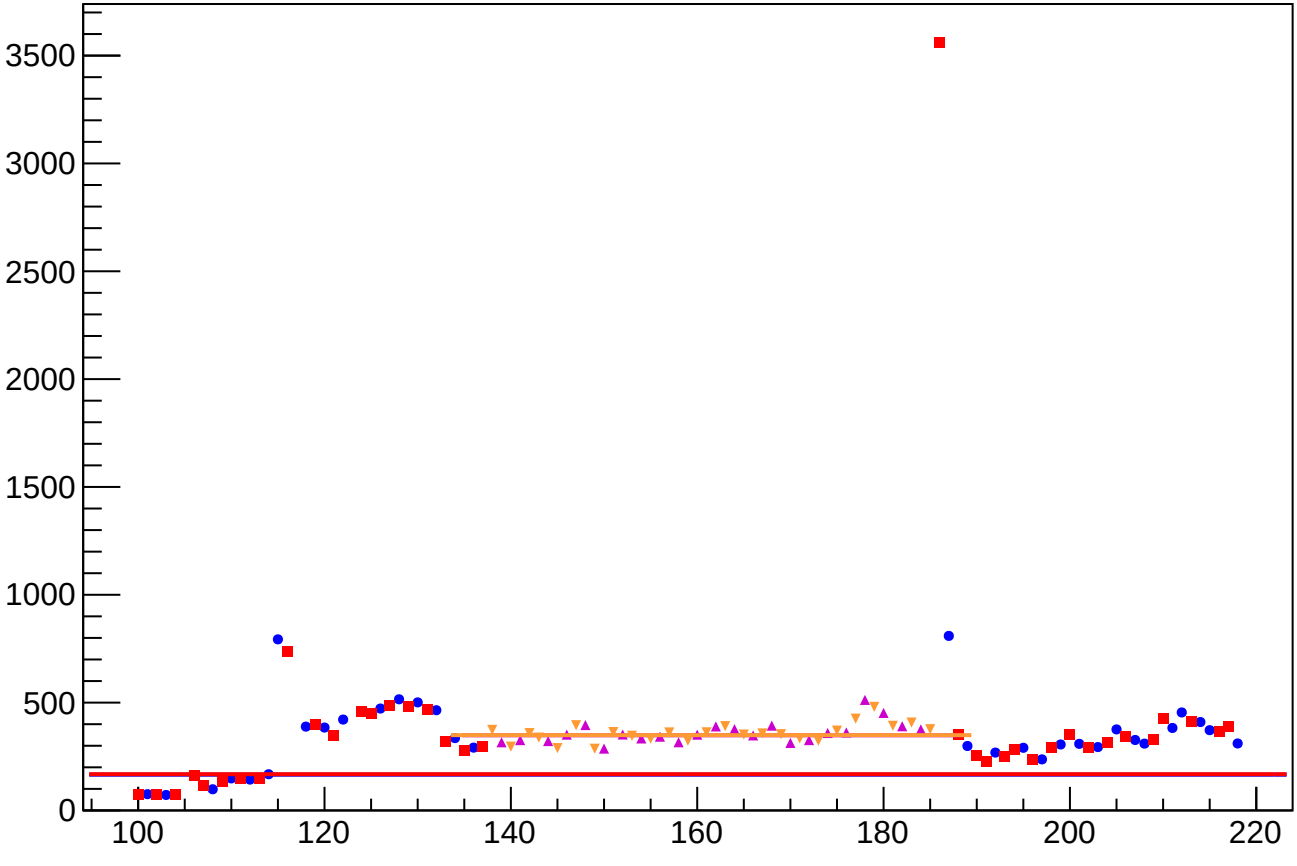
Right: 8.821+/-32.352 χ^2/NDF: 124.0/67

In: -29.510+/-40.124 χ^2/NDF:63.2/54

Out: -1.497+/-39.596 χ^2/NDF:117.2/60

All: -15.318+/-28.184 χ^2/NDF: 180.7/115

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: 168.083+/-0.032 χ^2/NDF: 13567241.0/35

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

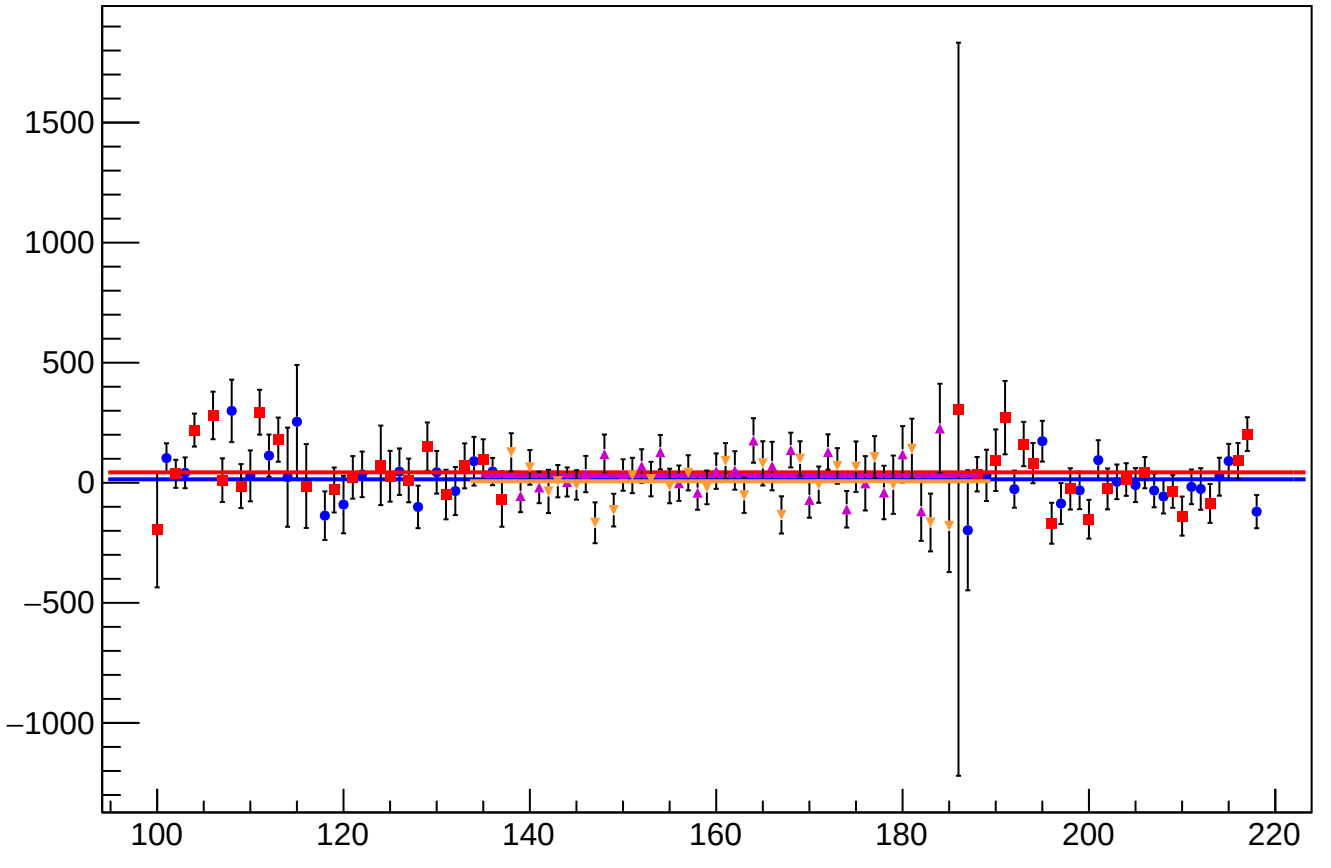
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 166.982+/-0.023 χ^2/NDF: 27411493.3/67

In: 209.333+/-0.028 χ^2/NDF:21886482.9/54

Out: 212.300+/-0.028 χ^2/NDF:21811693.0/60

All: 210.836+/-0.020 χ^2/NDF: 43703715.0/11



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: 43.468+/-14.696 χ^2/NDF: 59.9/35

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

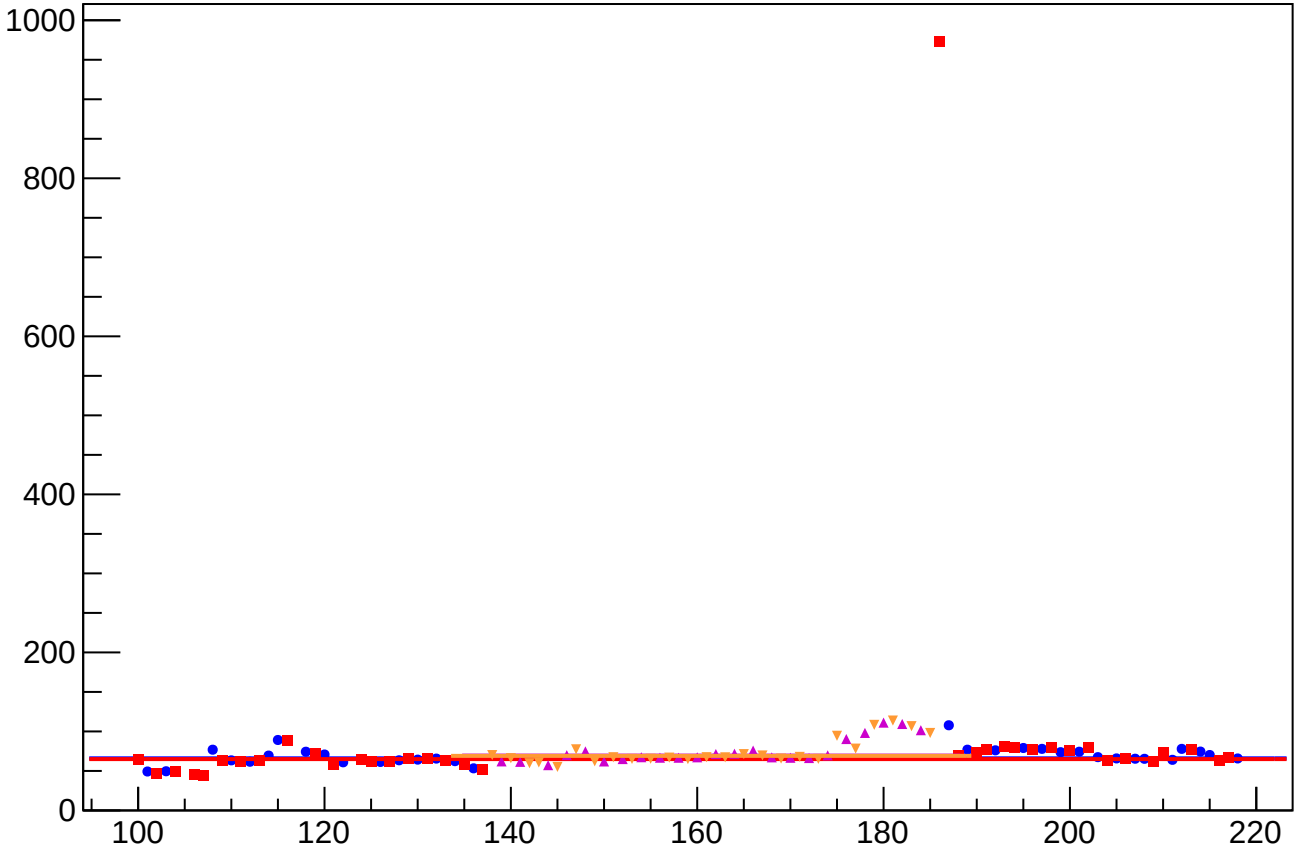
Right: 29.145+/-10.456 χ^2/NDF: 91.4/67

In: 21.726+/-11.051 χ^2/NDF:52.6/54

Out: 26.512+/-10.816 χ^2/NDF:87.9/60

All: 24.170+/-7.730 χ^2/NDF: 140.5/115

eigen_dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



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: 65.000+/-0.010 χ^2/NDF: 1712112.3/35

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

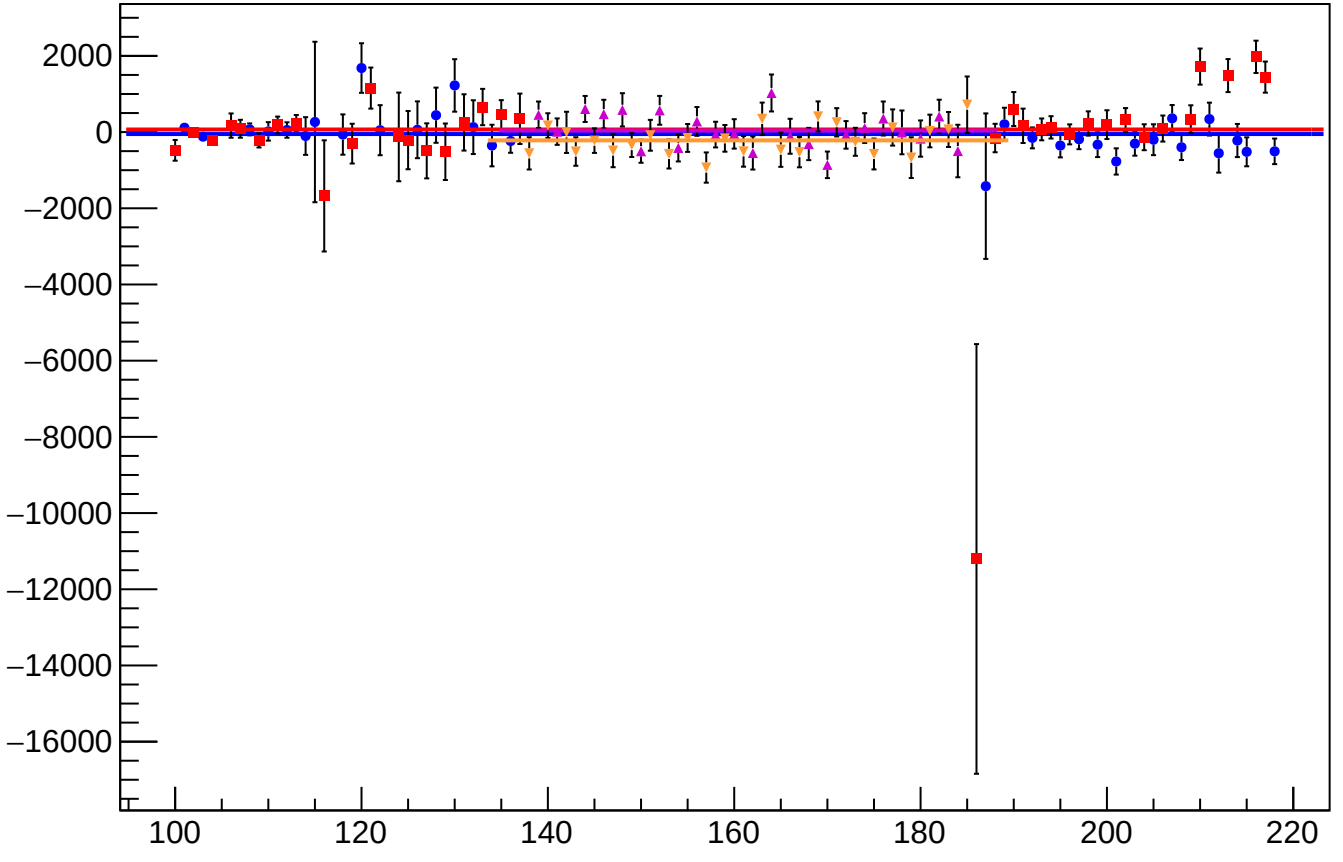
Right: 65.475+/-0.007 χ^2/NDF: 2474011.2/67

In: 67.520+/-0.008 χ^2/NDF:1731165.7/54

Out: 66.869+/-0.008 χ^2/NDF:2856689.8/60

All: 67.188+/-0.005 χ^2/NDF: 4591395.1/115

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: 68.232+/-45.545 χ^2/NDF: 88.3/35

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

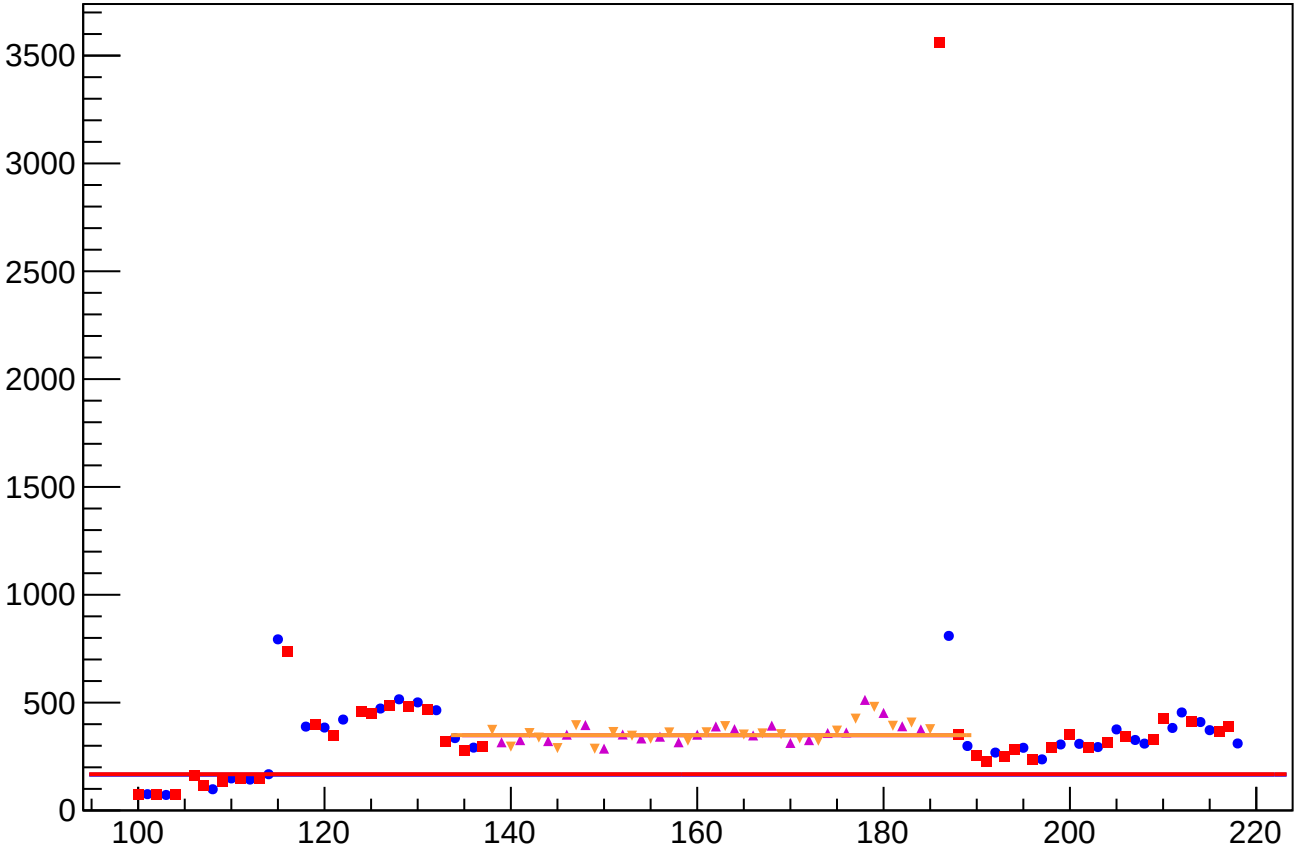
Right: 8.821+/-32.352 χ^2/NDF: 124.0/67

In: -29.510+/-40.124 χ^2/NDF:63.2/54

Out: -1.496+/-39.596 χ^2/NDF:117.2/60

All: -15.318+/-28.184 χ^2/NDF: 180.7/115

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: 168.082+/-0.032 χ^2/NDF: 13567279.9/35

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

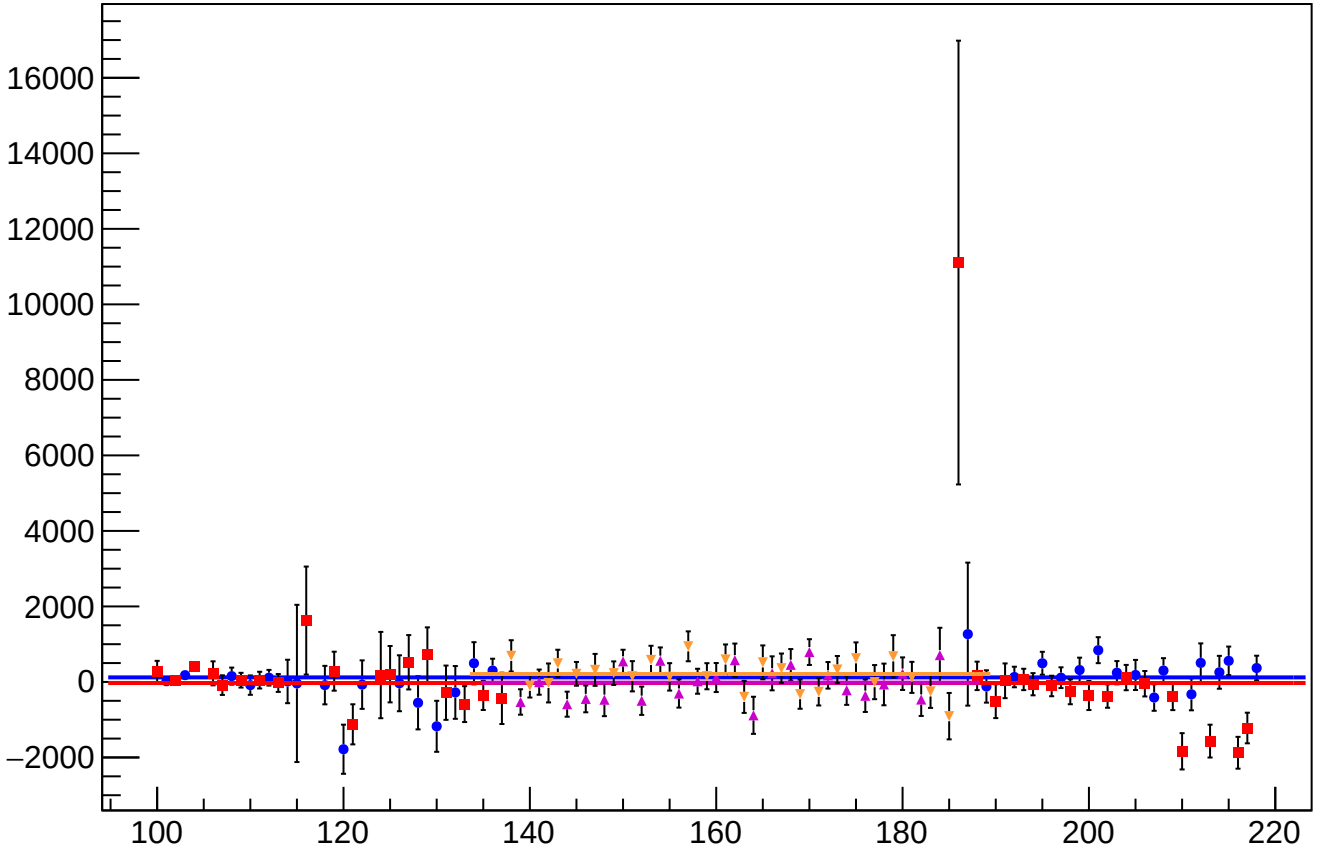
Right: 166.982+/-0.023 χ^2/NDF: 27411549.8/67

In: 209.333+/-0.028 χ^2/NDF:21886556.9/54

Out: 212.299+/-0.028 χ^2/NDF:21811797.5/60

All: 210.836+/-0.020 χ^2/NDF: 43703893.1/11

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: -28.219+/-48.475 χ^2/NDF: 91.1/35

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

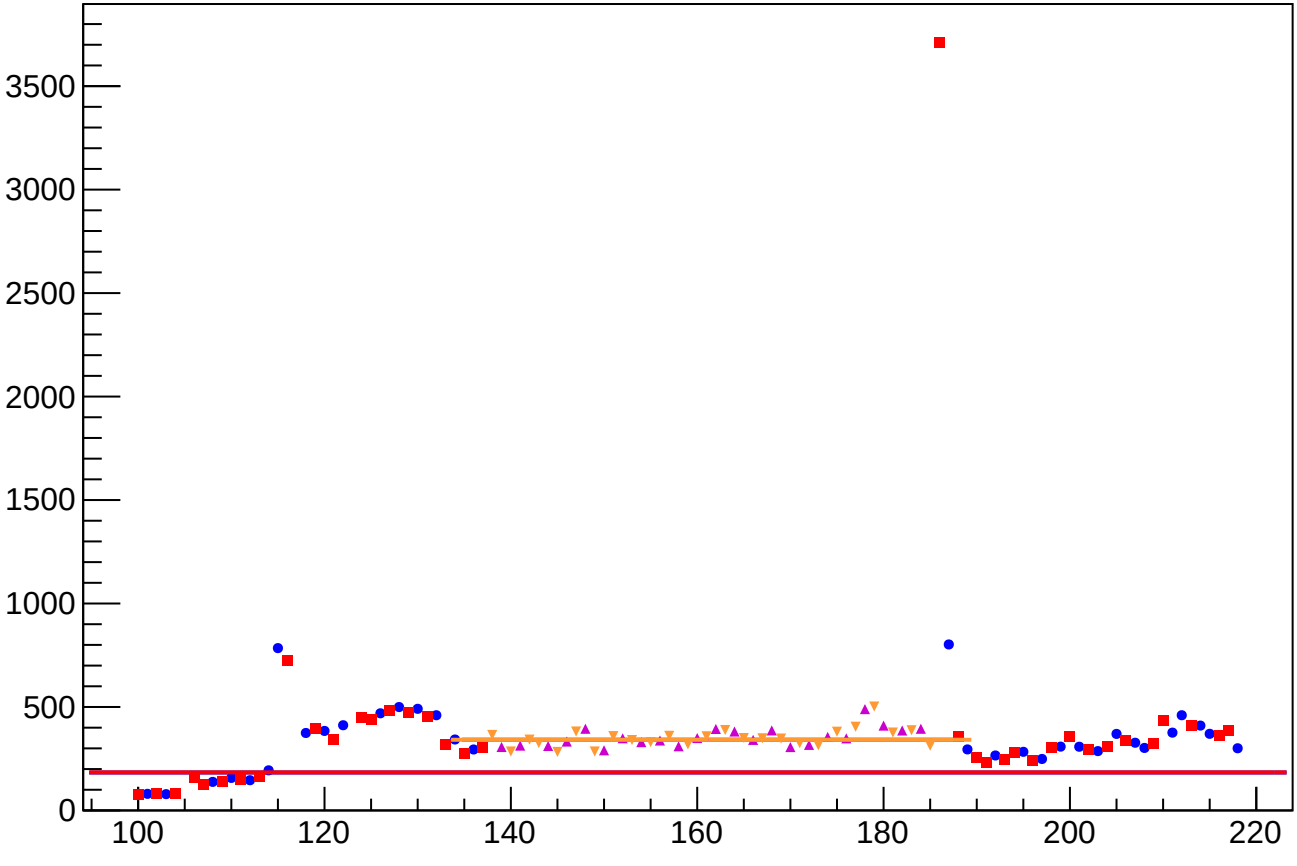
Right: 44.957+/-34.555 χ^2/NDF: 125.7/67

In: 82.731+/-42.053 χ^2/NDF:64.2/54

Out: 37.480+/-41.247 χ^2/NDF:119.2/60

All: 59.668+/-29.447 χ^2/NDF: 184.0/115

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: 184.054+/-0.034 χ^2/NDF: 11889700.9/35

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

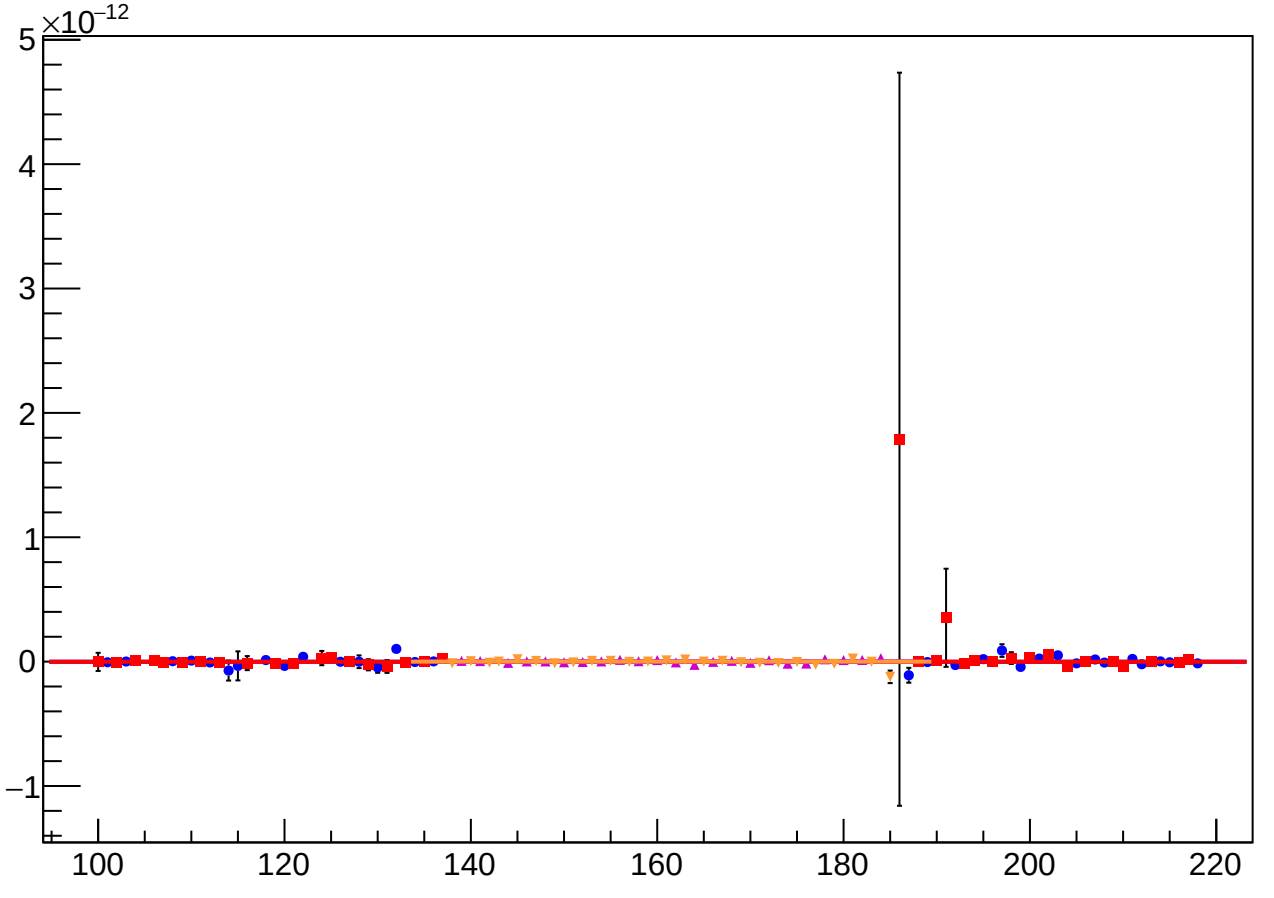
Right: 183.674+/-0.024 χ^2/NDF: 23932558.3/67

In: 226.365+/-0.030 χ^2/NDF:18159834.6/54

Out: 227.533+/-0.029 χ^2/NDF:18273468.3/60

All: 226.960+/-0.021 χ^2/NDF: 36434089.7/11

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: 25.3/35

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.1/47

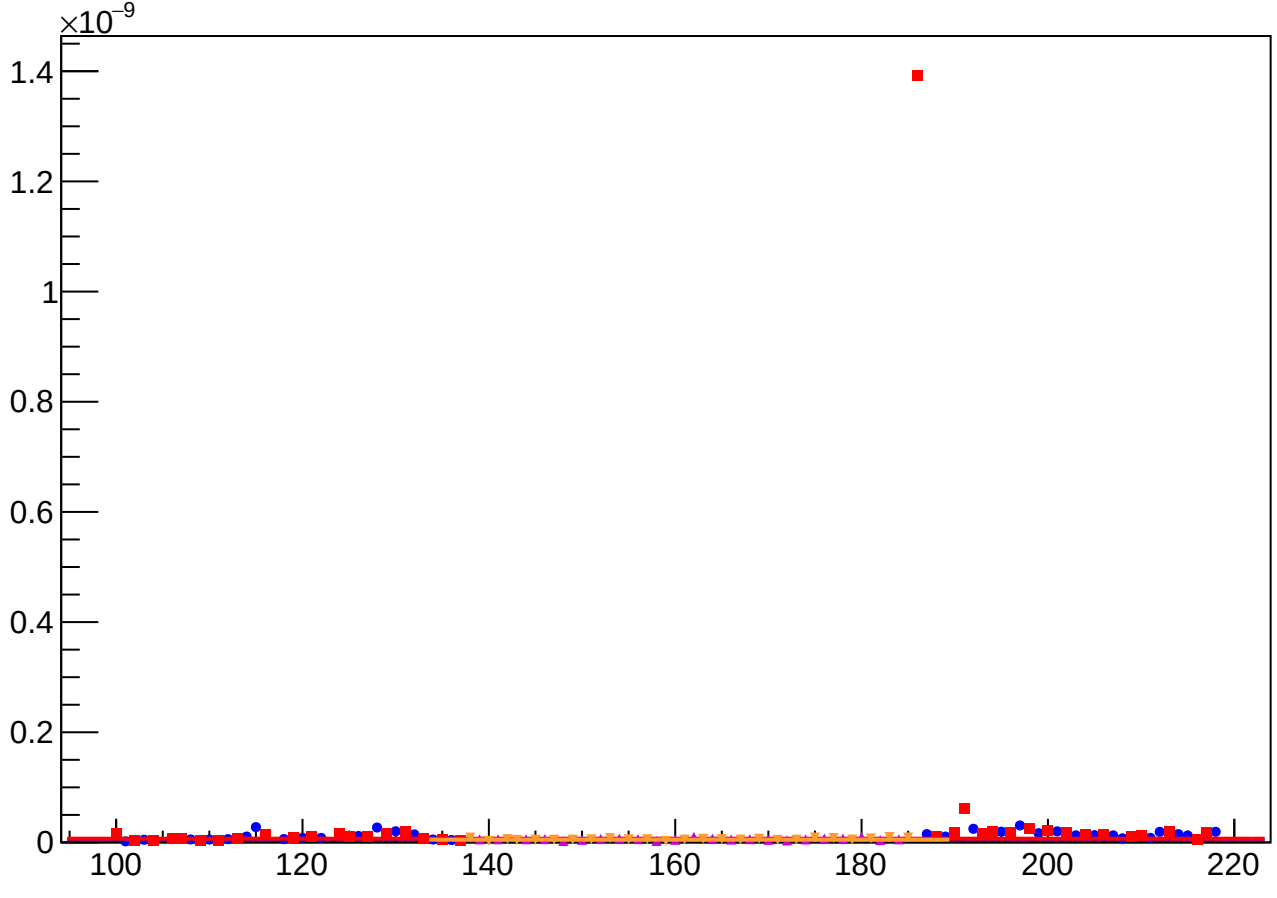
Right: -0.000+/-0.000 χ^2/NDF: 63.5/67

In: 0.000+/-0.000 χ^2/NDF:59.2/54

Out: -0.000+/-0.000 χ^2/NDF:54.0/60

All: 0.000+/-0.000 χ^2/NDF: 113.2/115

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: 6011420.4/35

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

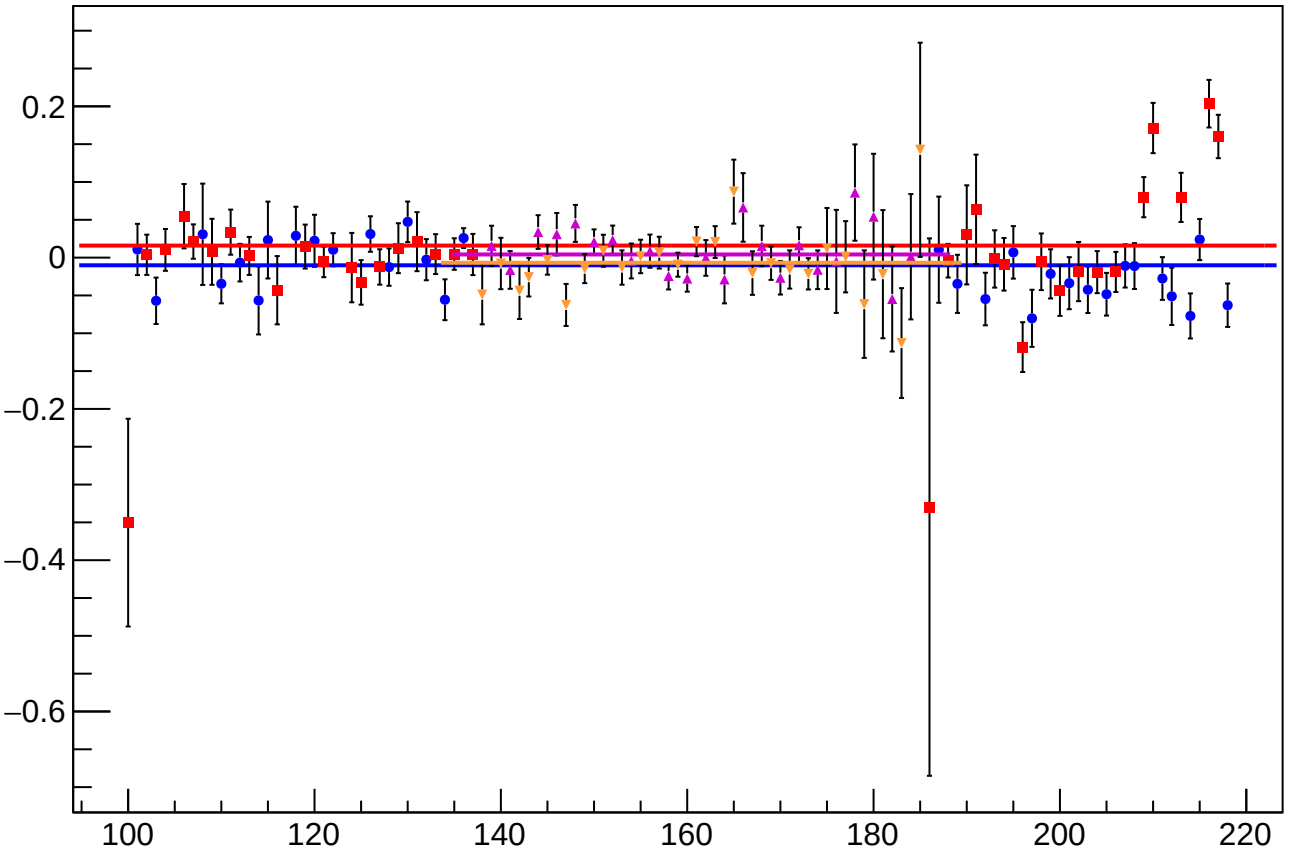
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 14237430.4/67

In: 0.000+/-0.000 χ^2/NDF:9059931.2/54

Out: 0.000+/-0.000 χ^2/NDF:7835434.3/60

All: 0.000+/-0.000 χ^2/NDF: 17019086.0/115



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: 0.016+/-0.005 χ^2/NDF: 136.8/35

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

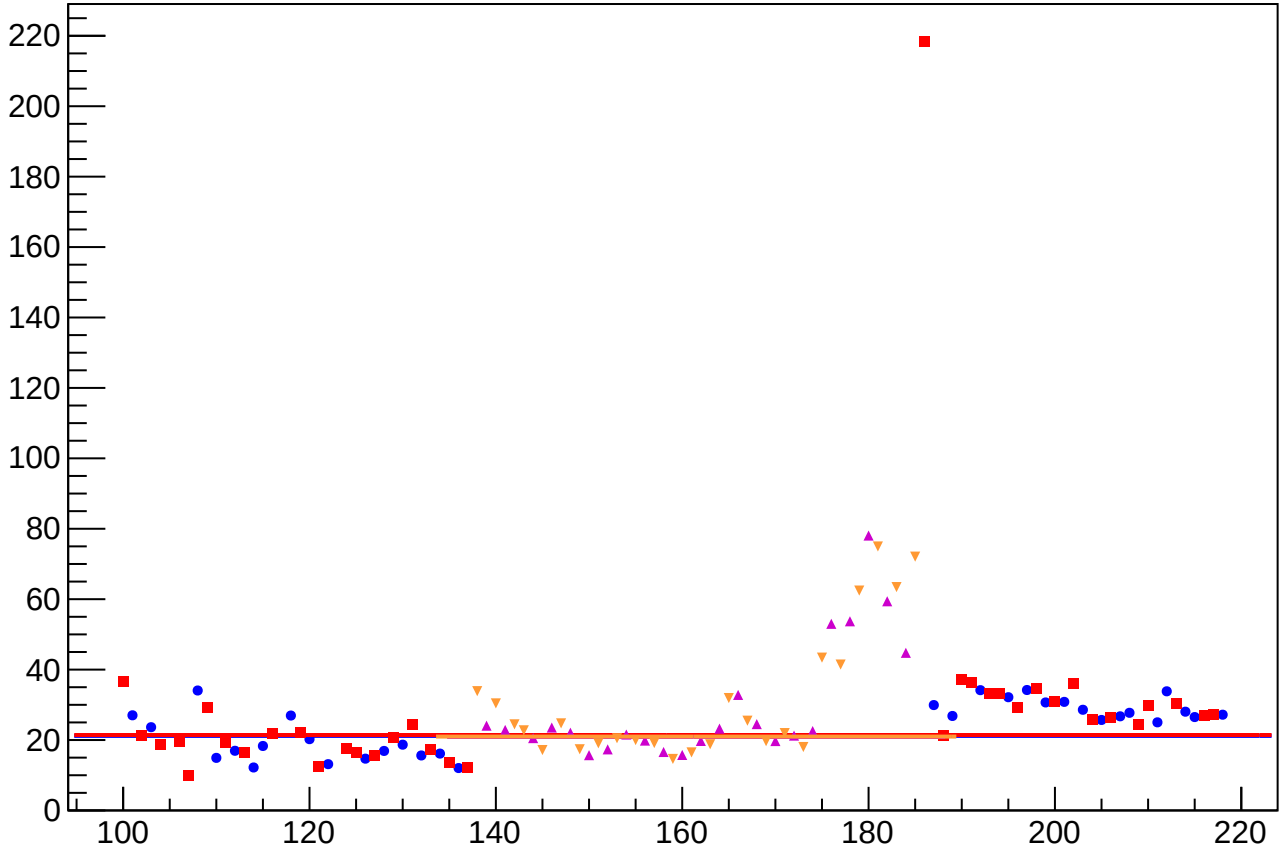
Right: 0.003+/-0.004 χ^2/NDF: 197.2/67

In: -0.003+/-0.004 χ^2/NDF:74.4/54

Out: 0.005+/-0.004 χ^2/NDF:168.2/60

All: 0.001+/-0.003 χ^2/NDF: 245.0/115

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: 21.424+/-0.004 χ^2/NDF: 4469142.3/35

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

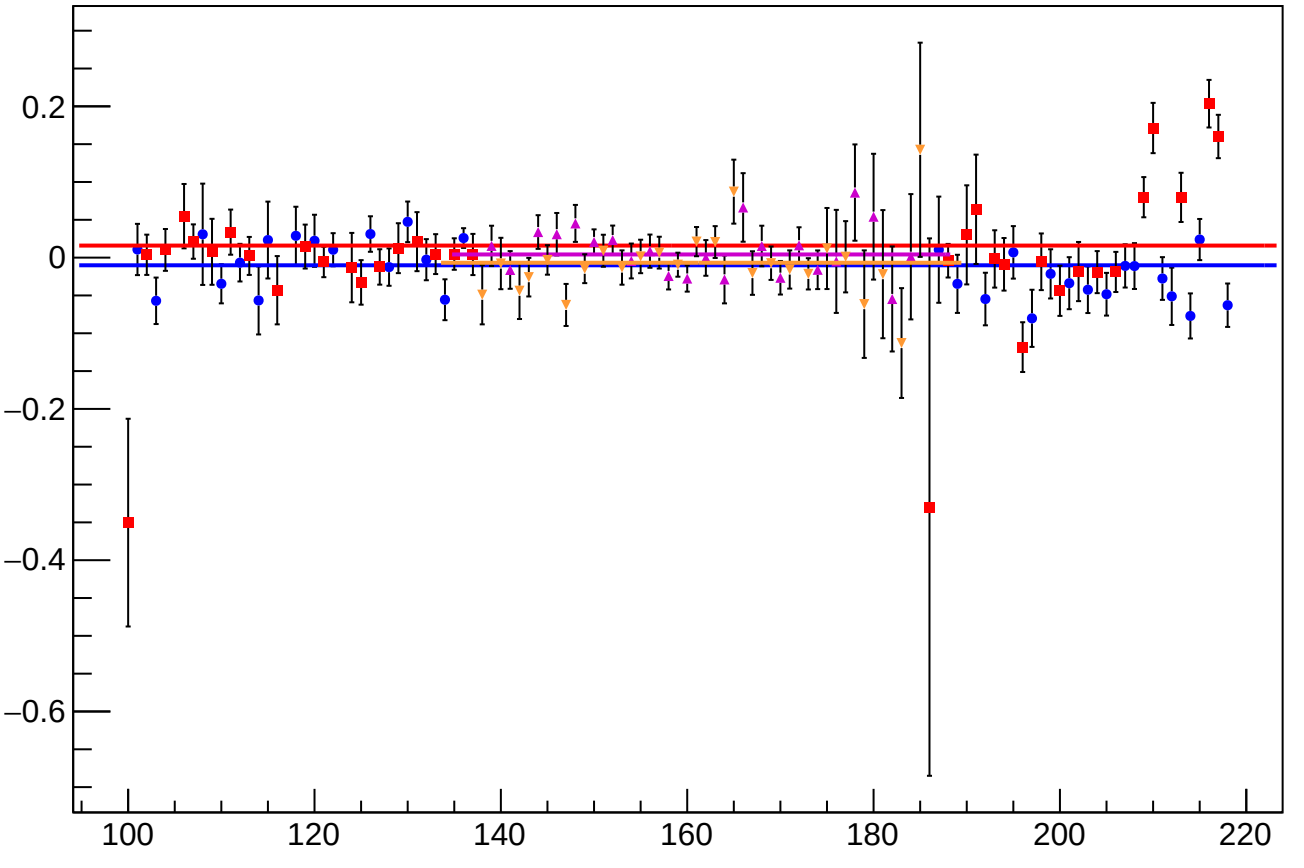
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 21.301+/-0.003 χ^2/NDF: 8546354.2/67

In: 21.029+/-0.003 χ^2/NDF:7613323.2/54

Out: 21.206+/-0.003 χ^2/NDF:8943536.6/60

All: 21.118+/-0.002 χ^2/NDF: 16559218.9/115



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: 0.016+/-0.005 χ^2/NDF: 136.8/35

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

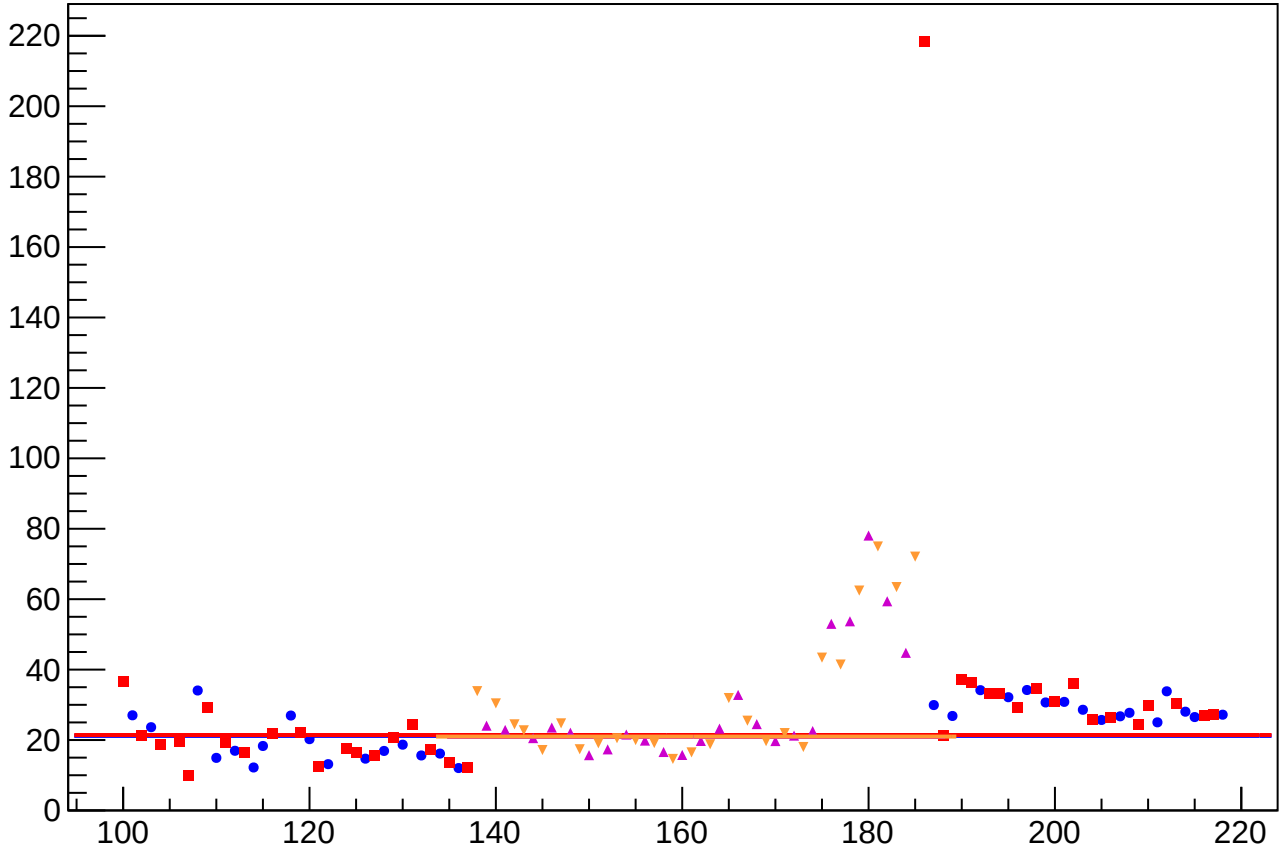
Right: 0.003+/-0.004 χ^2/NDF: 197.2/67

In: -0.003+/-0.004 χ^2/NDF:74.4/54

Out: 0.005+/-0.004 χ^2/NDF:168.2/60

All: 0.001+/-0.003 χ^2/NDF: 245.0/115

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: 21.424+/-0.004 χ^2/NDF: 4469142.3/35

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

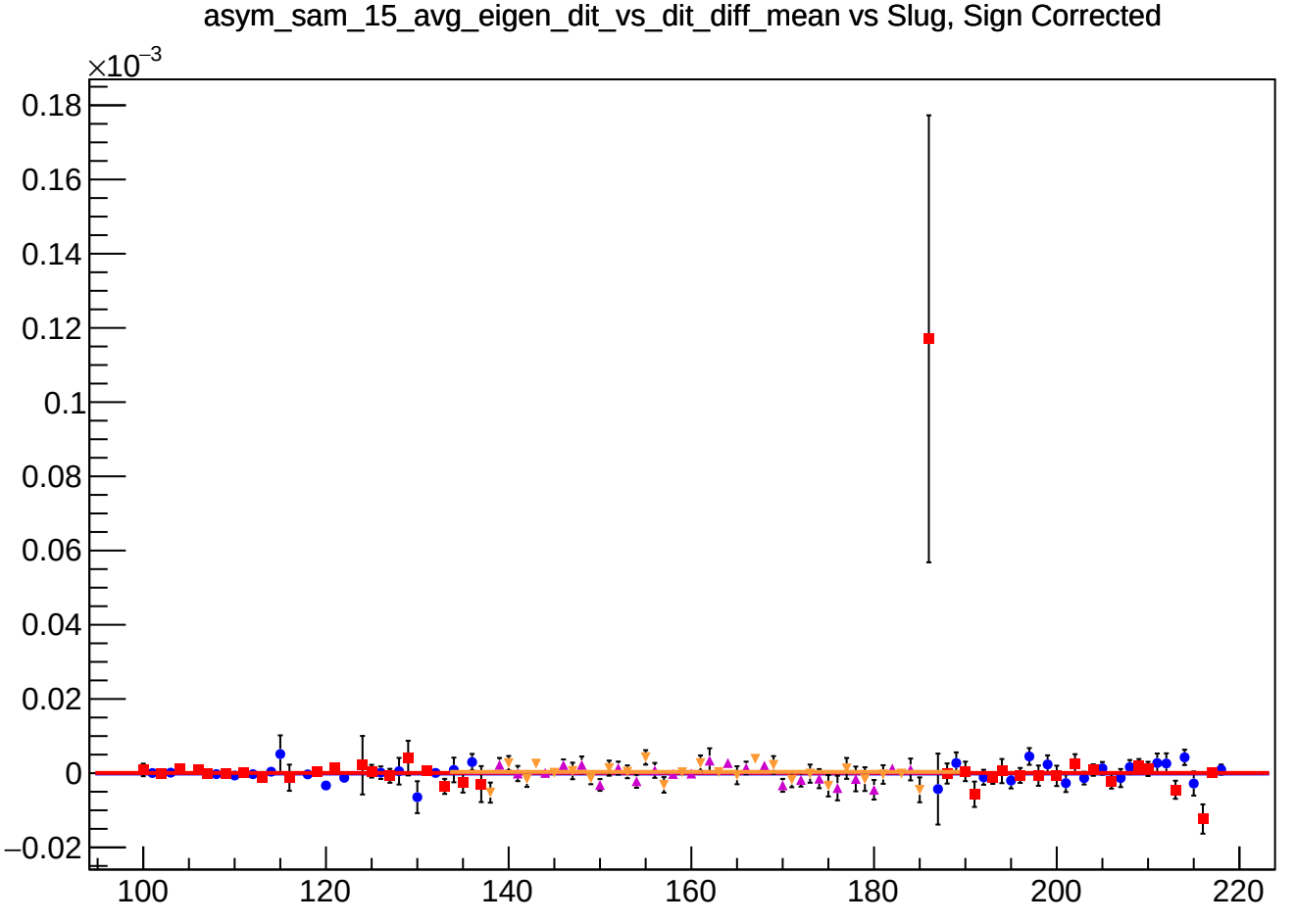
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 21.301+/-0.003 χ^2/NDF: 8546354.2/67

In: 21.029+/-0.003 χ^2/NDF:7613323.2/54

Out: 21.206+/-0.003 χ^2/NDF:8943536.6/60

All: 21.118+/-0.002 χ^2/NDF: 16559218.9/115



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: 45.0/35

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

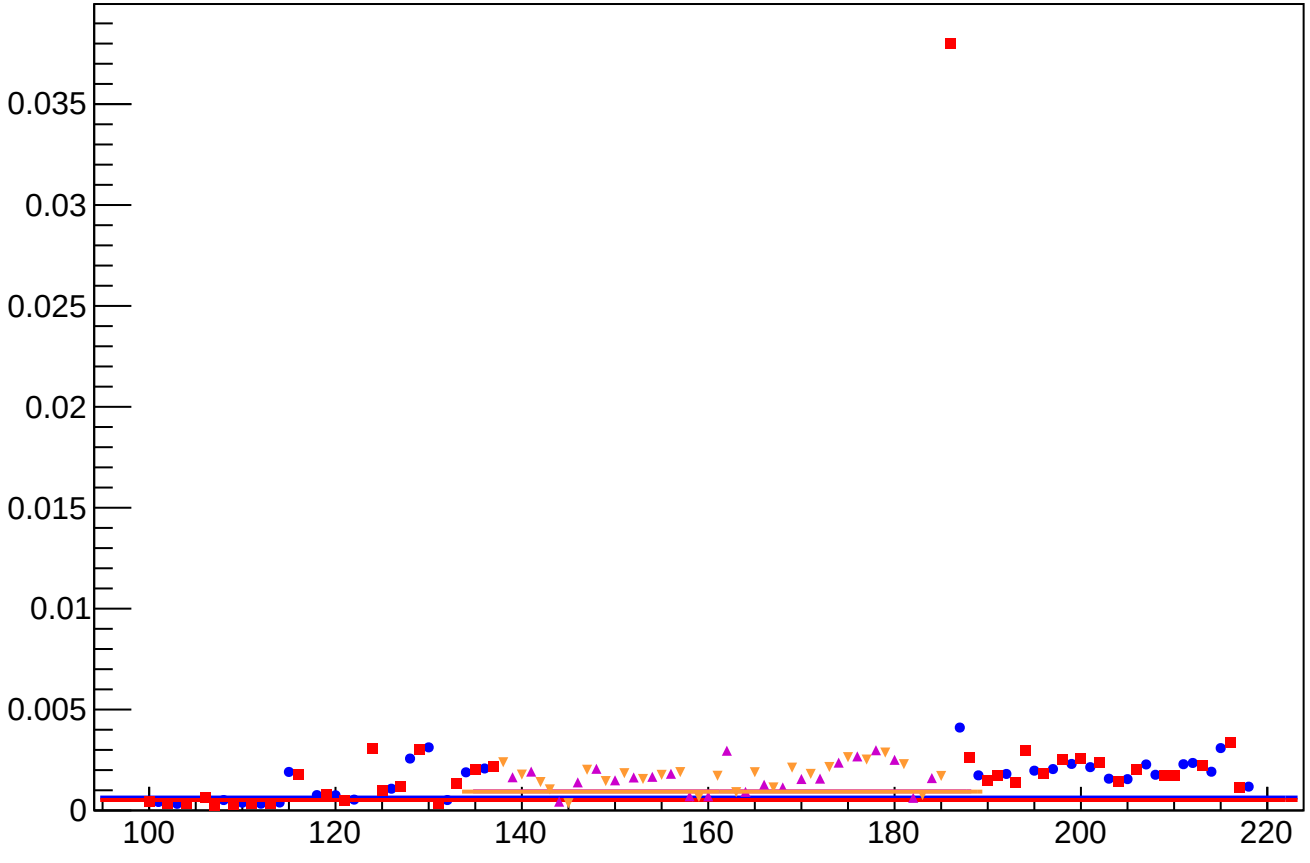
Right: 0.000+/-0.000 χ^2/NDF: 78.9/67

In: 0.000+/-0.000 χ^2/NDF:66.3/54

Out: 0.000+/-0.000 χ^2/NDF:80.1/60

All: 0.000+/-0.000 χ^2/NDF: 146.7/115

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: 19498108.4/35

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

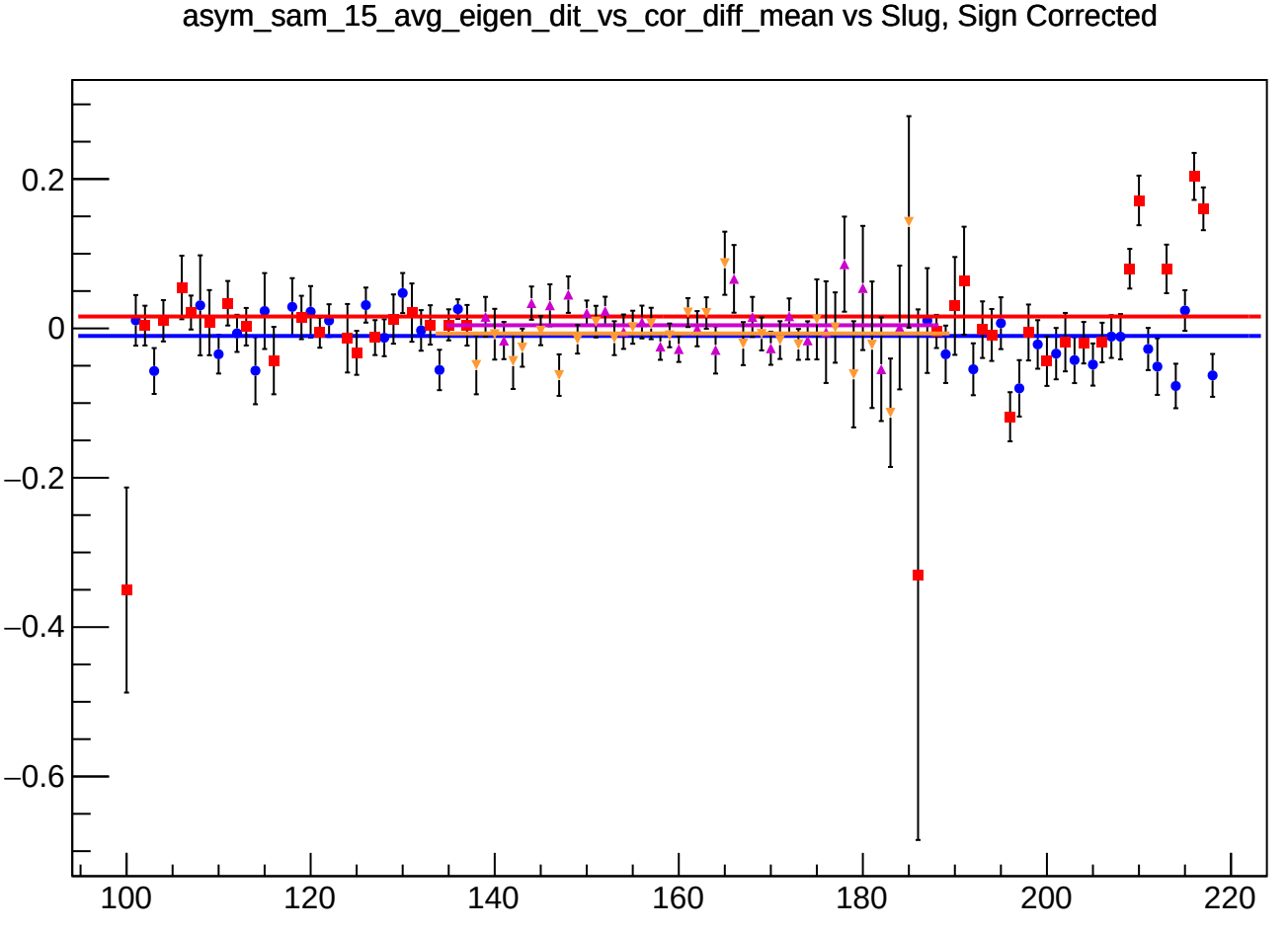
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.001+/-0.000 χ^2/NDF: 36510413.7/67

In: 0.001+/-0.000 χ^2/NDF:27825989.7/54

Out: 0.001+/-0.000 χ^2/NDF:35103023.6/60

All: 0.001+/-0.000 χ^2/NDF: 63500597.0/115



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: 0.016+/-0.005 χ^2/NDF: 136.8/35

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

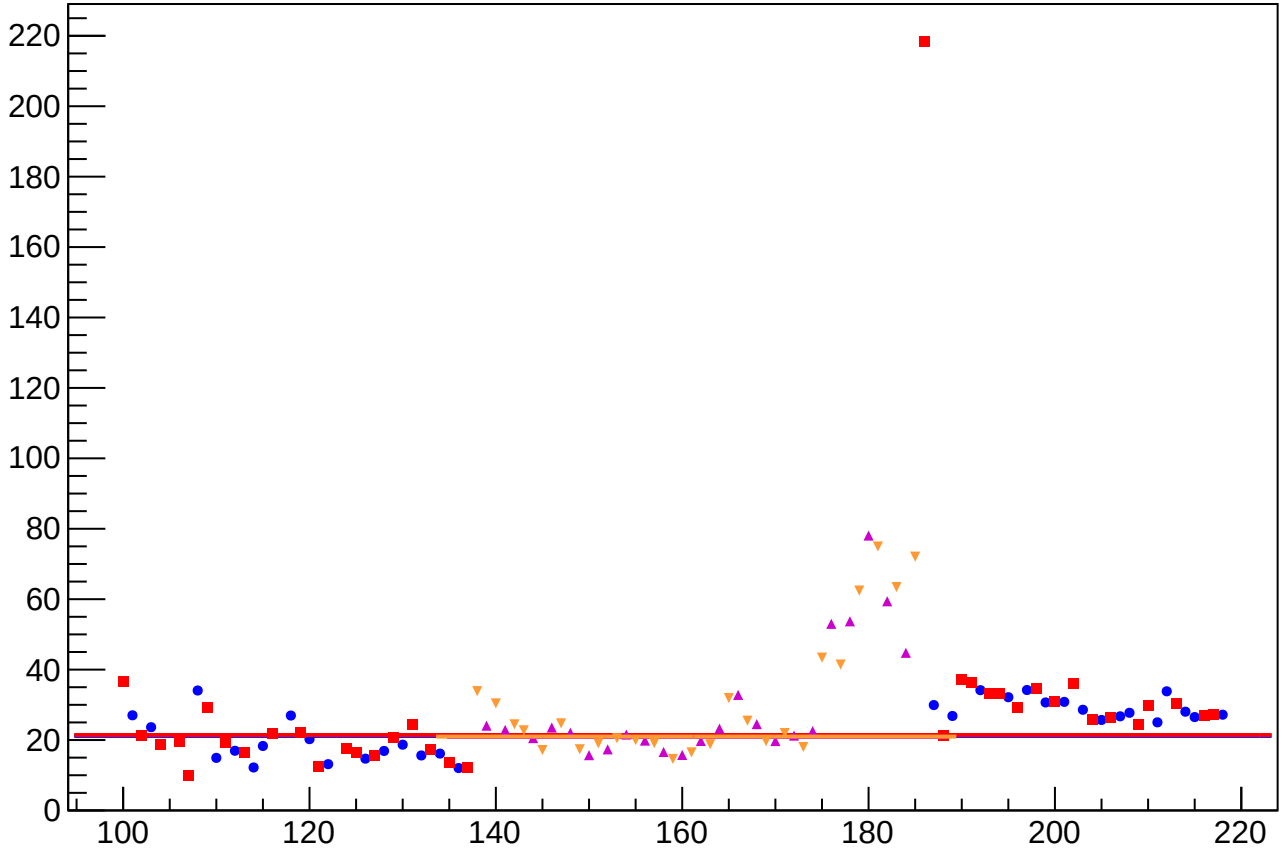
Right: 0.003+/-0.004 χ^2/NDF: 197.2/67

In: -0.003+/-0.004 χ^2/NDF:74.4/54

Out: 0.005+/-0.004 χ^2/NDF:168.2/60

All: 0.001+/-0.003 χ^2/NDF: 245.0/115

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: 21.424+/-0.004 χ^2/NDF: 4469144.5/35

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

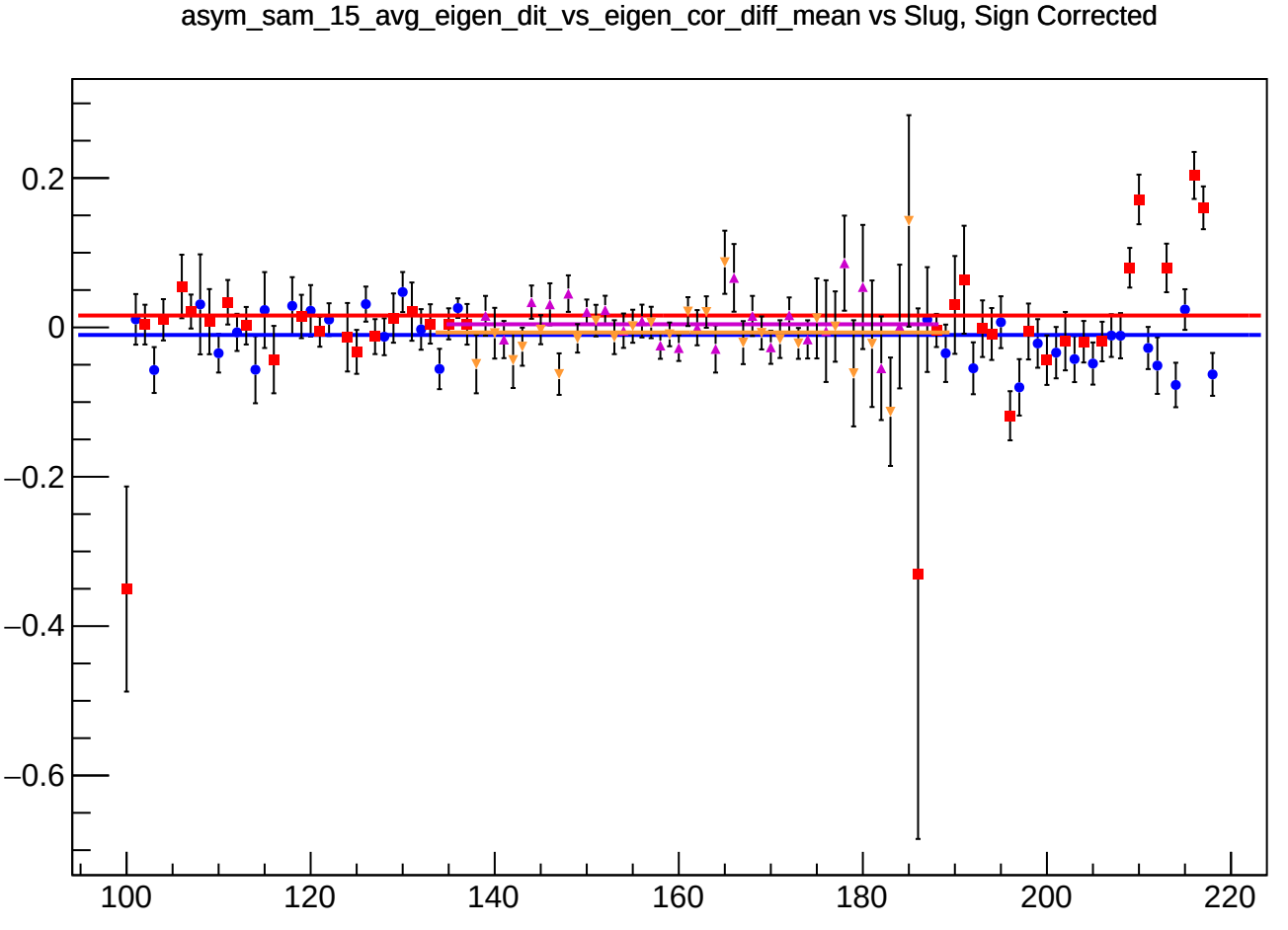
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 21.300+/-0.003 χ^2/NDF: 8546347.5/67

In: 21.028+/-0.003 χ^2/NDF:7613355.2/54

Out: 21.206+/-0.003 χ^2/NDF:8943497.7/60

All: 21.118+/-0.002 χ^2/NDF: 16559212.1/115



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: 0.016+/-0.005 χ^2/NDF: 136.8/35

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

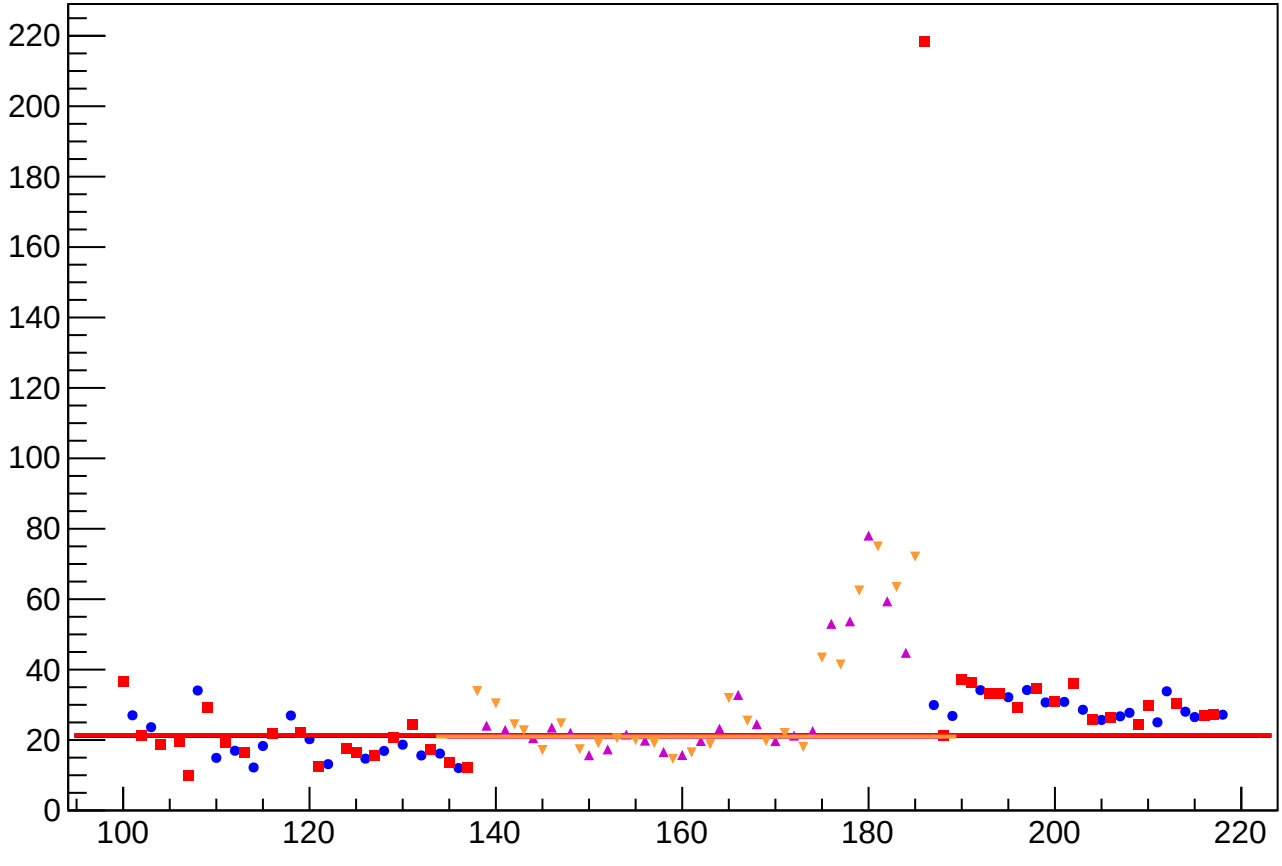
Right: 0.003+/-0.004 χ^2/NDF: 197.2/67

In: -0.003+/-0.004 χ^2/NDF:74.4/54

Out: 0.005+/-0.004 χ^2/NDF:168.2/60

All: 0.001+/-0.003 χ^2/NDF: 245.0/115

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: 21.424+/-0.004 χ^2/NDF: 4469144.5/35

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

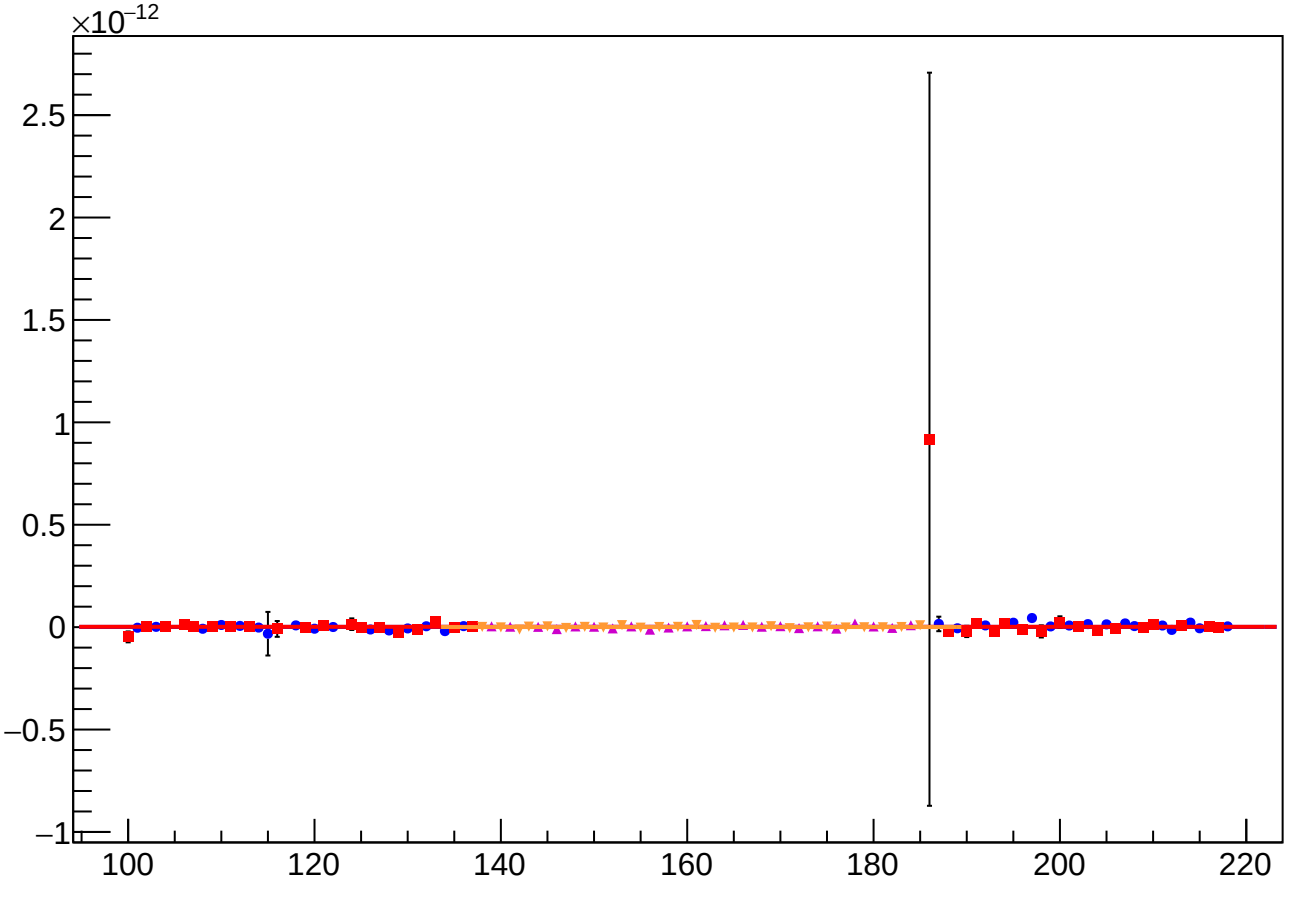
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 21.300+/-0.003 χ^2/NDF: 8546347.5/67

In: 21.028+/-0.003 χ^2/NDF:7613355.2/54

Out: 21.206+/-0.003 χ^2/NDF:8943497.7/60

All: 21.118+/-0.002 χ^2/NDF: 16559212.1/115



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: 27.0/35

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

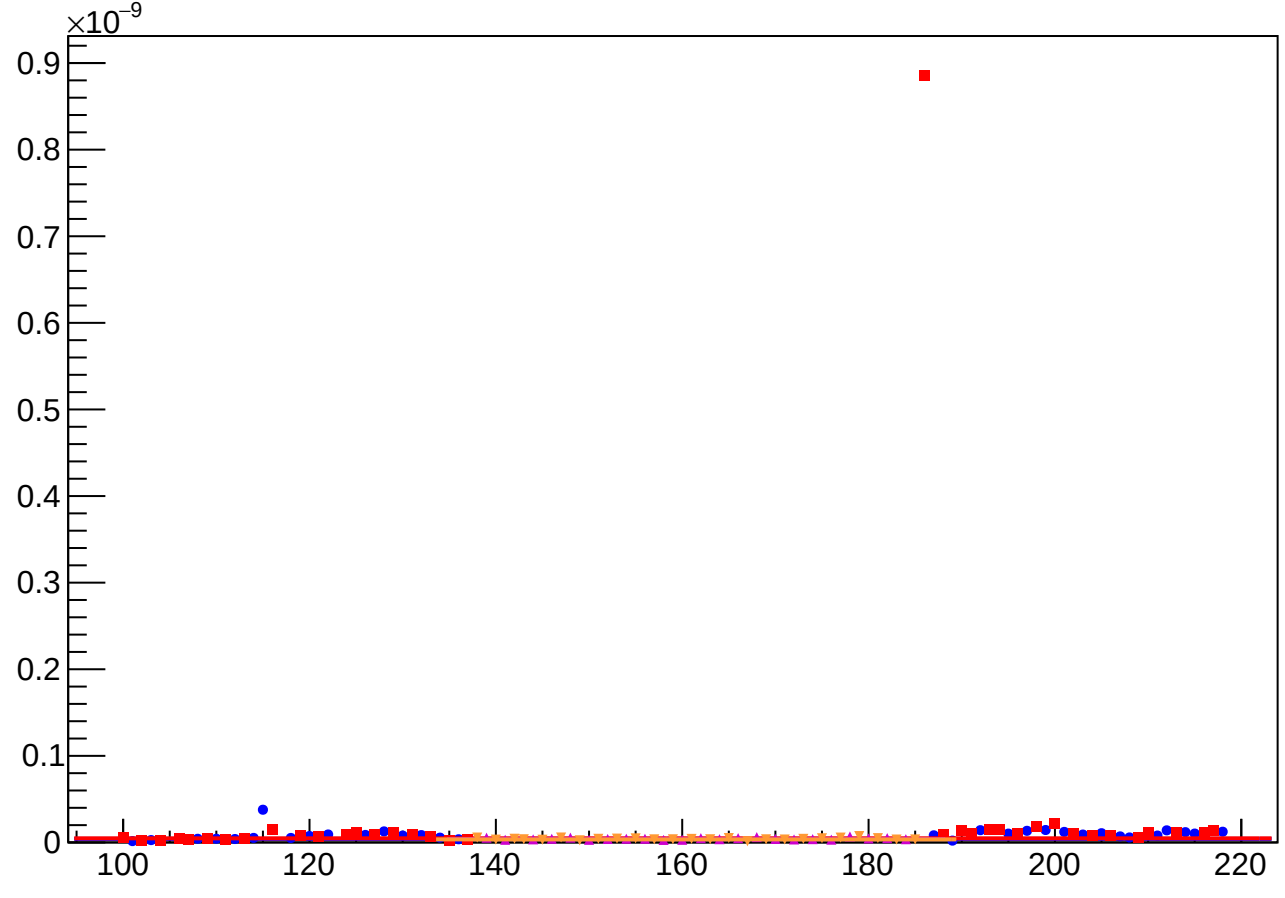
Right: 0.000+/-0.000 χ^2/NDF: 55.7/67

In: 0.000+/-0.000 χ^2/NDF:55.1/54

Out: 0.000+/-0.000 χ^2/NDF:42.0/60

All: 0.000+/-0.000 χ^2/NDF: 97.1/115

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: 9456244.4/35

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

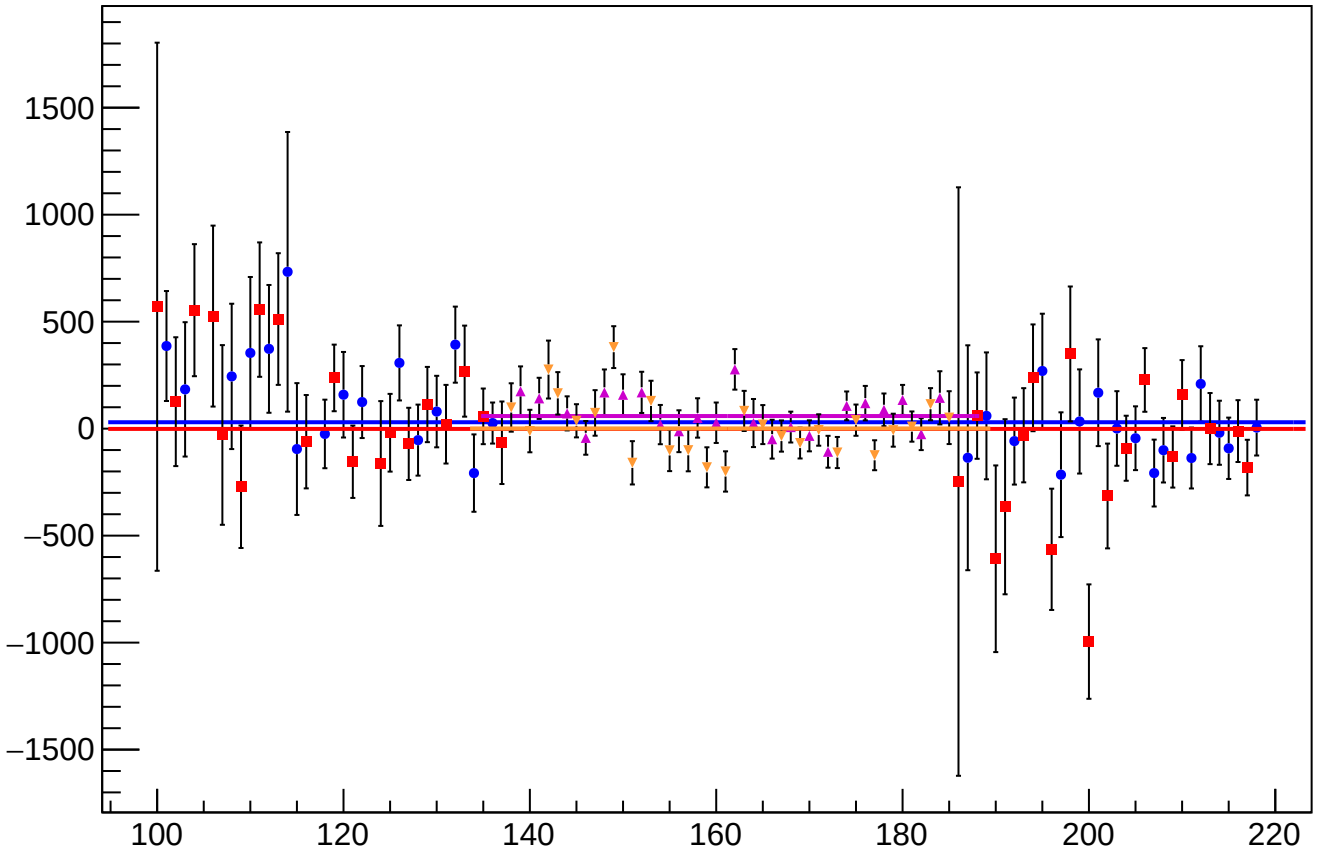
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 19340956.4/67

In: 0.000+/-0.000 χ^2/NDF:10920647.2/54

Out: 0.000+/-0.000 χ^2/NDF:12784031.0/60

All: 0.000+/-0.000 χ^2/NDF: 23711708.5/115



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: -1.215+/-34.186 χ^2/NDF: 49.0/35

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

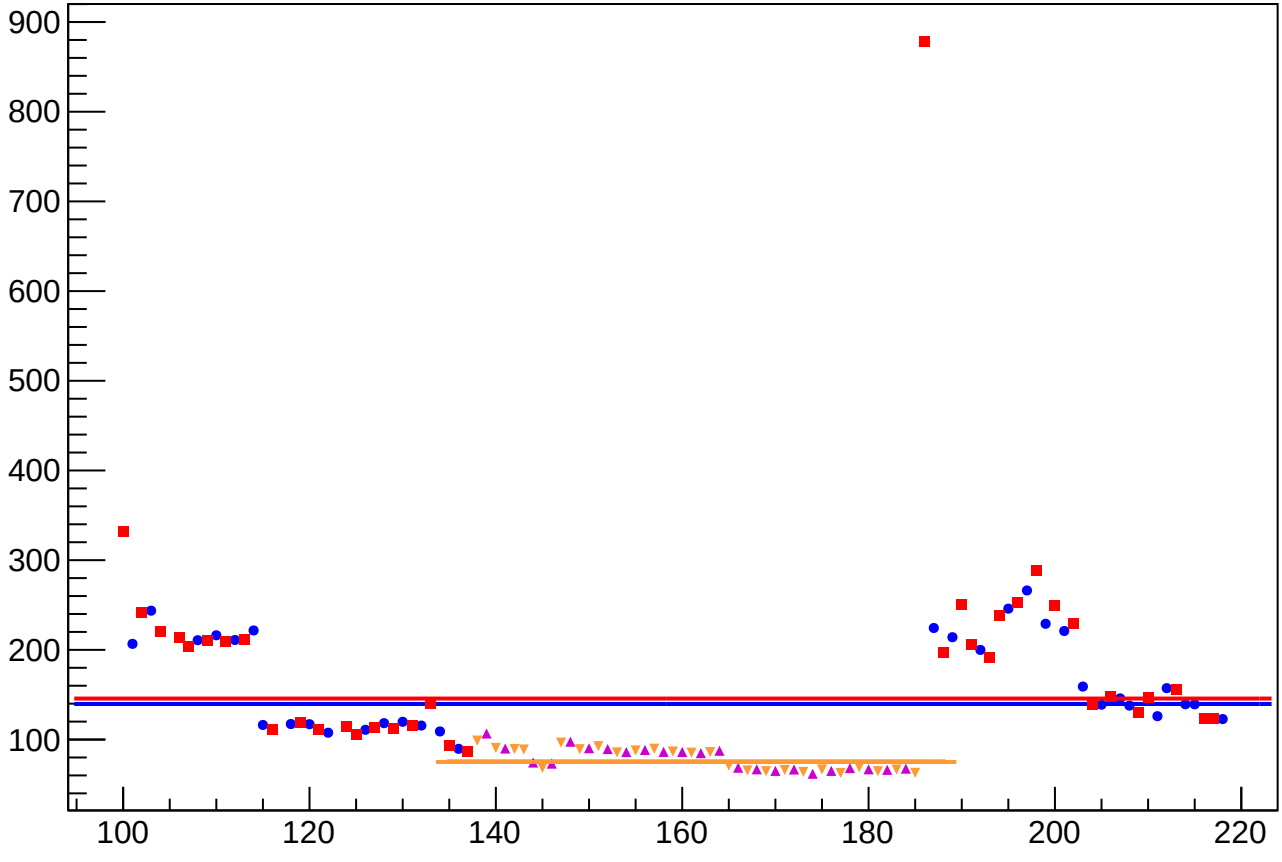
Right: 15.056+/-23.630 χ^2/NDF: 73.8/67

In: 52.241+/-15.687 χ^2/NDF:50.8/54

Out: 0.228+/-15.450 χ^2/NDF:97.6/60

All: 25.837+/-11.008 χ^2/NDF: 153.9/115

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: 145.712+/-0.024 χ^2/NDF: 4349704.8/35

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

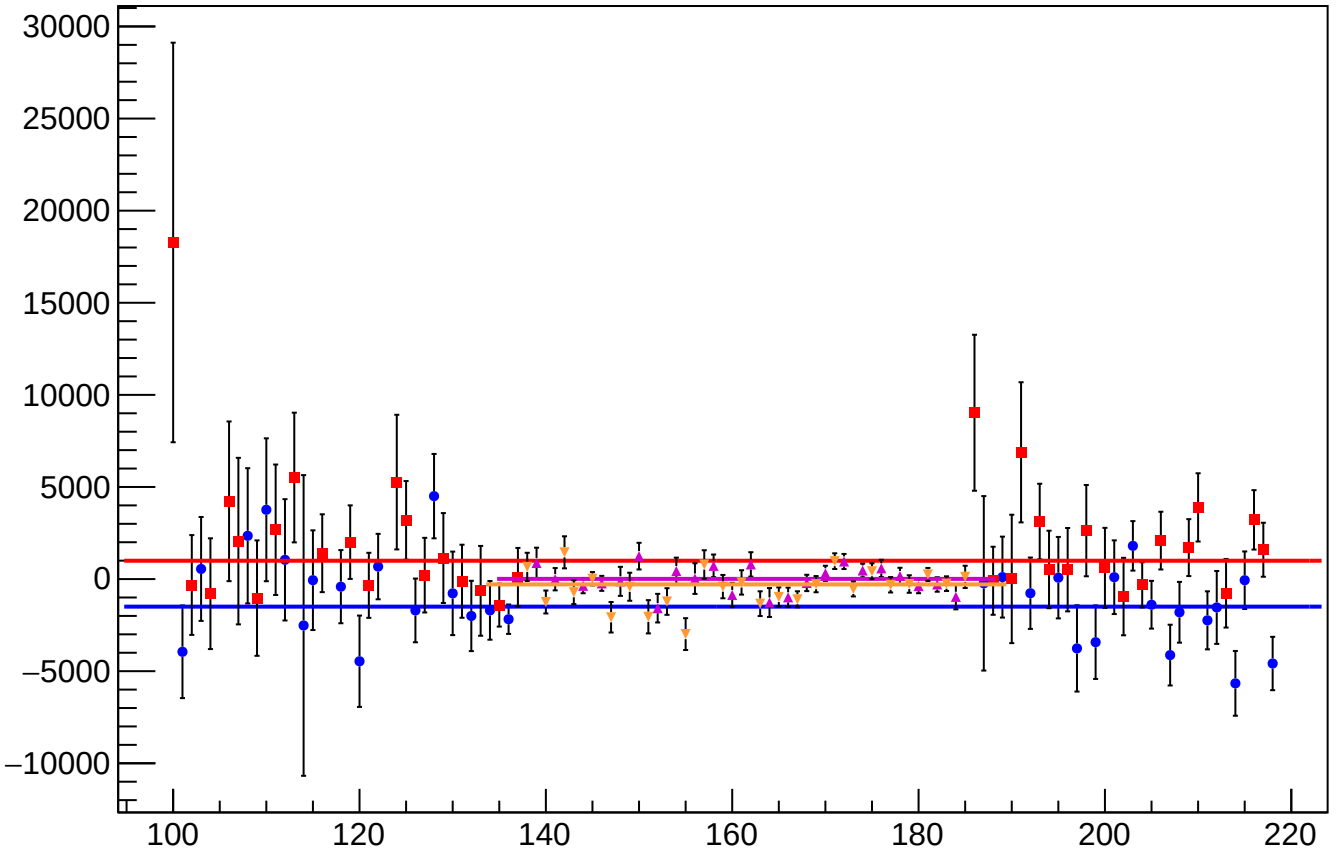
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

Right: 142.540+/-0.017 χ^2/NDF: 7595091.8/67

In: 90.147+/-0.011 χ^2/NDF:10000861.8/54

Out: 89.475+/-0.011 χ^2/NDF:12079040.3/60

All: 89.806+/-0.008 χ^2/NDF: 22081765.8/115



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: 995.711+/-345.966 χ^2/NDF: 31.0/35

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

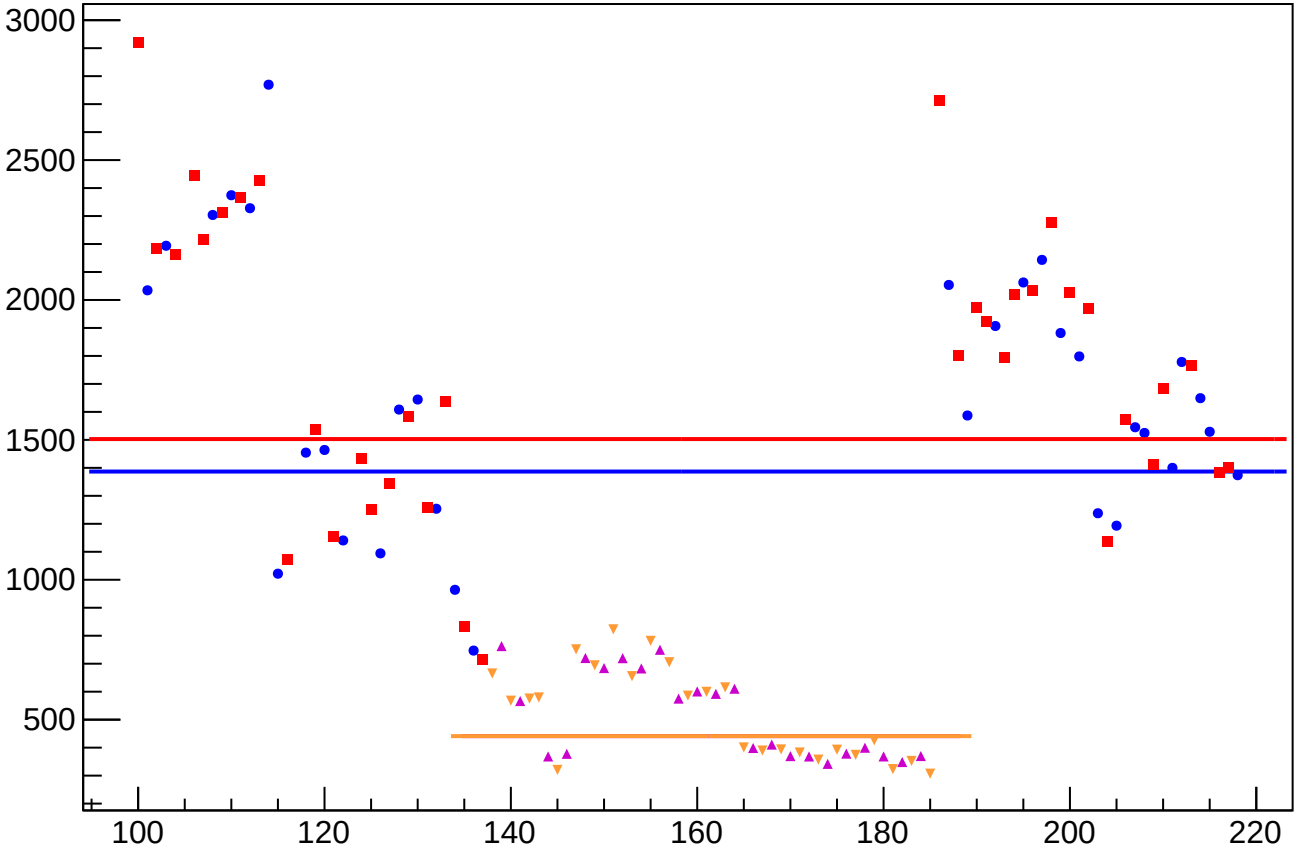
Right: -331.390+/-236.544 χ^2/NDF: 98.5/67

In: -139.107+/-102.180 χ^2/NDF:92.8/54

Out: -179.365+/-100.677 χ^2/NDF:96.8/60

All: -159.534+/-71.715 χ^2/NDF: 189.7/115

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: 1502.866+/-0.245 χ^2/NDF: 3407483.9/35

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

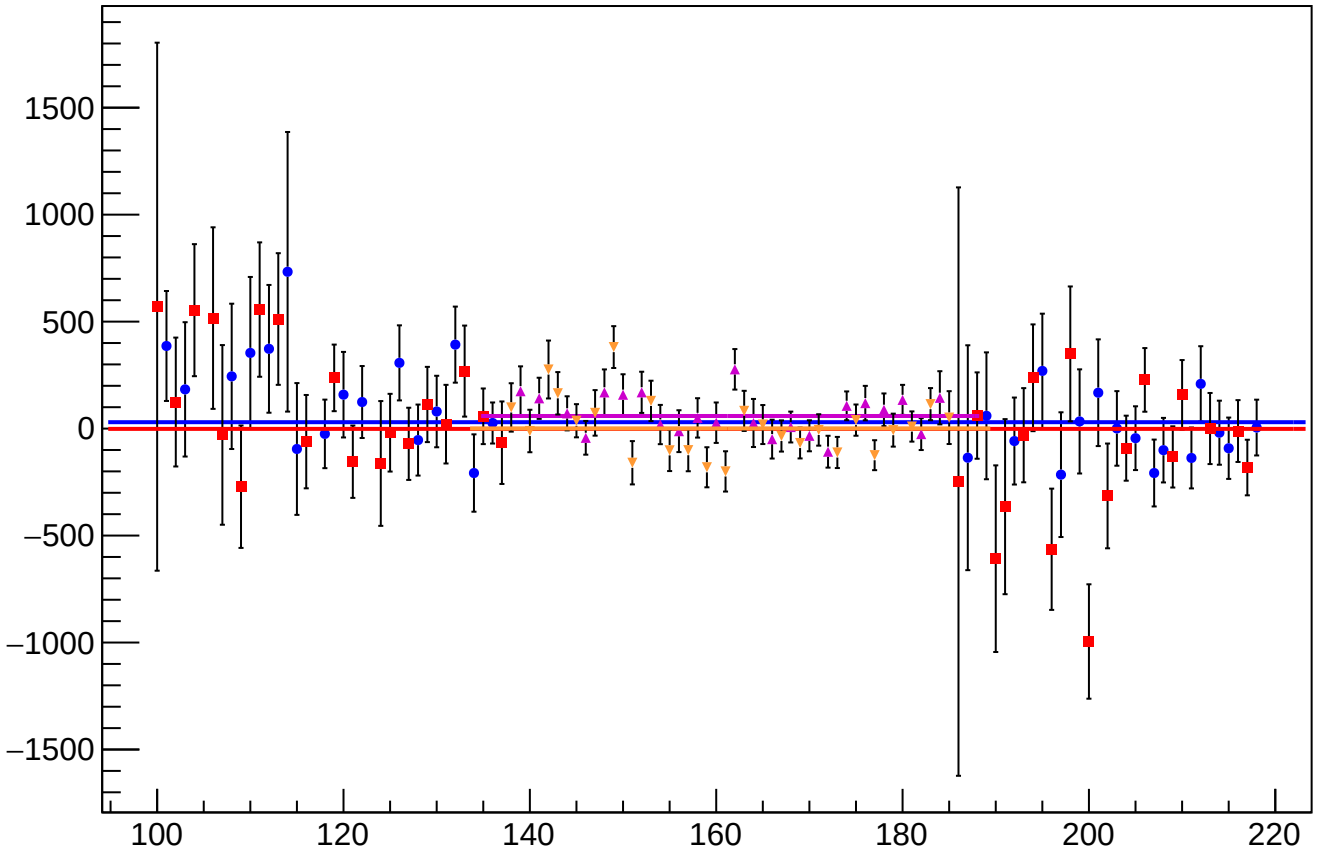
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1441.053+/-0.167 χ^2/NDF: 6961072.5/67

In: 535.158+/-0.072 χ^2/NDF:21444387.1/54

Out: 531.039+/-0.071 χ^2/NDF:23883328.9/60

All: 533.068+/-0.051 χ^2/NDF: 45329365.2/11



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: -1.325+/-34.187 χ^2/NDF: 48.9/35

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

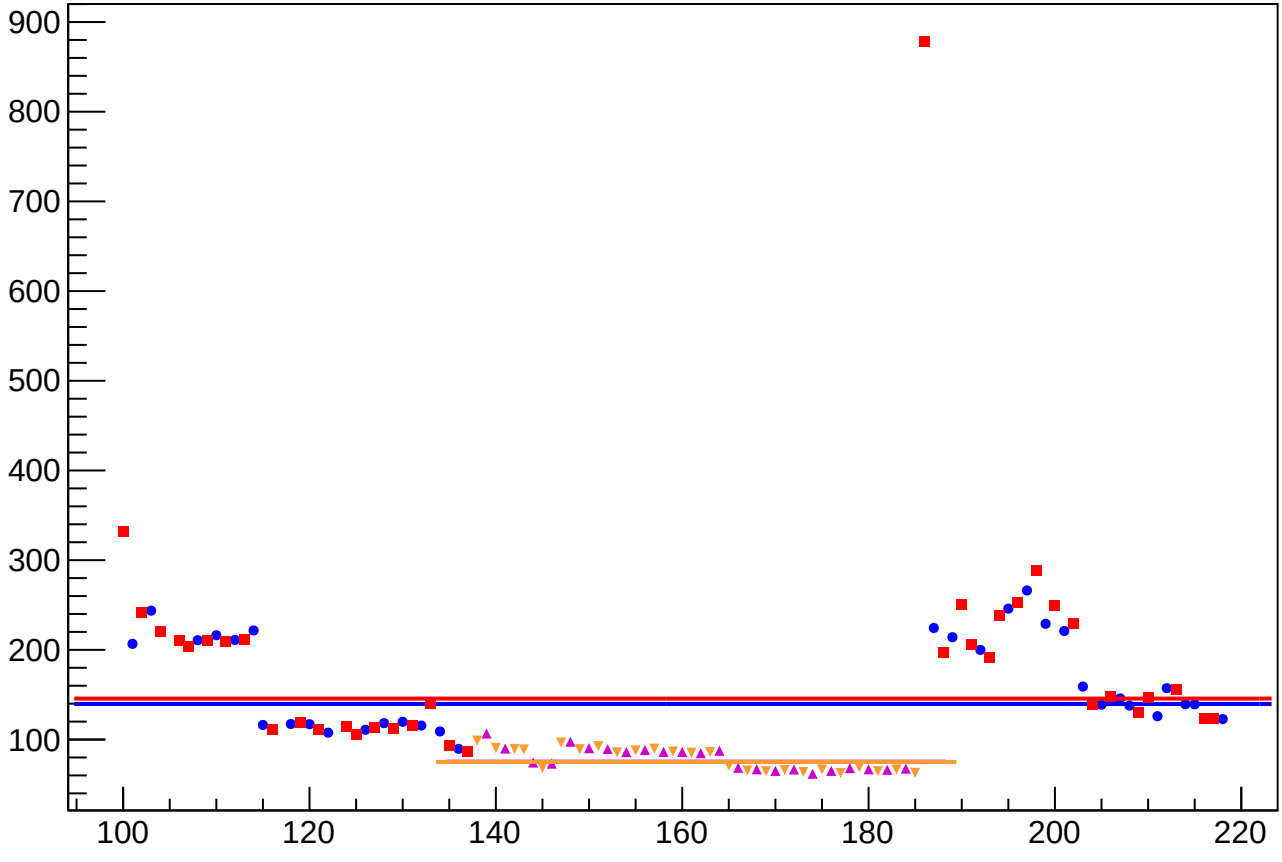
Right: 14.999+/-23.631 χ^2/NDF: 73.7/67

In: 52.236+/-15.687 χ^2/NDF:50.8/54

Out: 0.205+/-15.450 χ^2/NDF:97.5/60

All: 25.824+/-11.008 χ^2/NDF: 153.9/115

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: 145.689+/-0.024 χ^2/NDF: 4345098.9/35

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

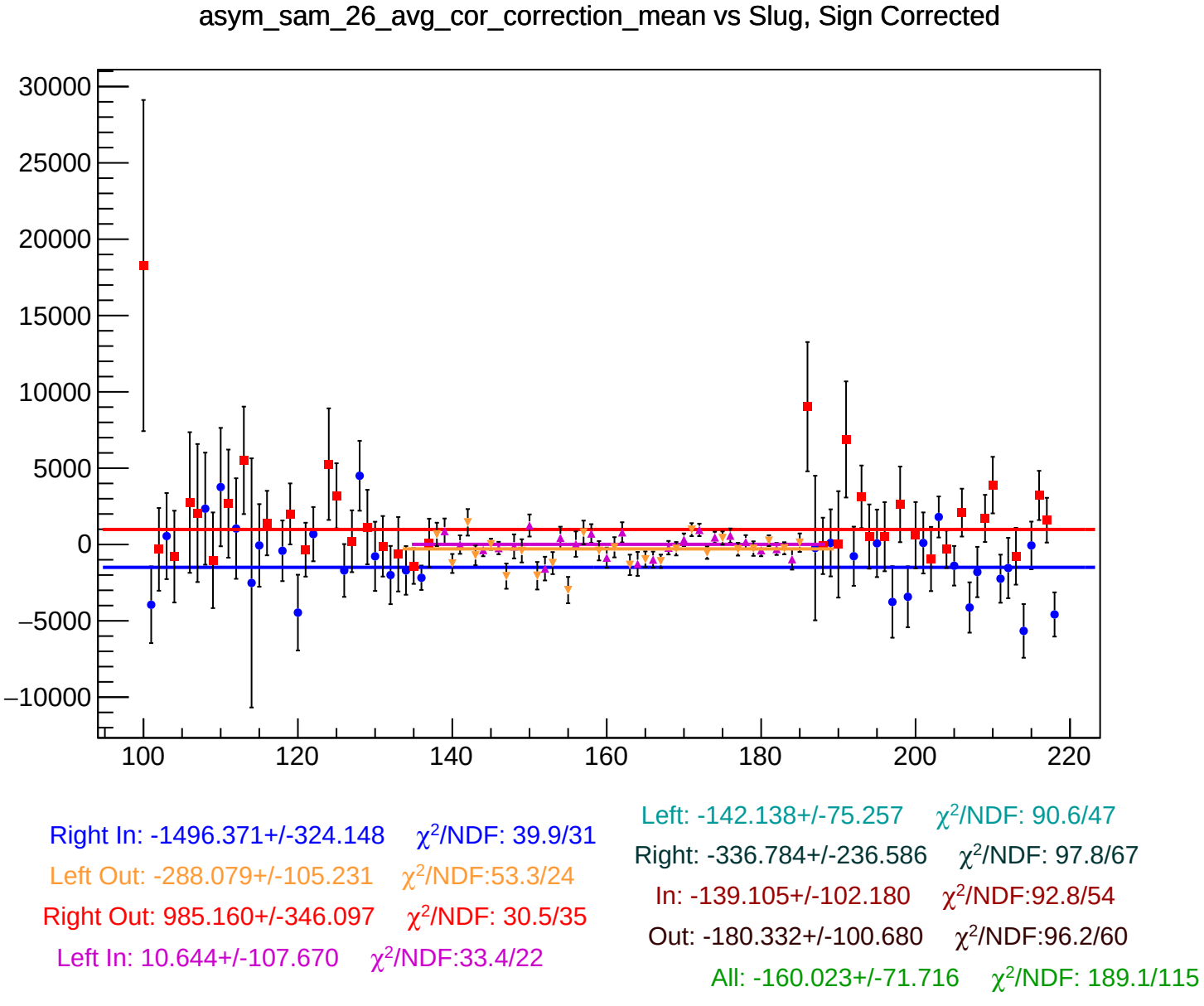
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 142.529+/-0.017 χ^2/NDF: 7590239.3/67

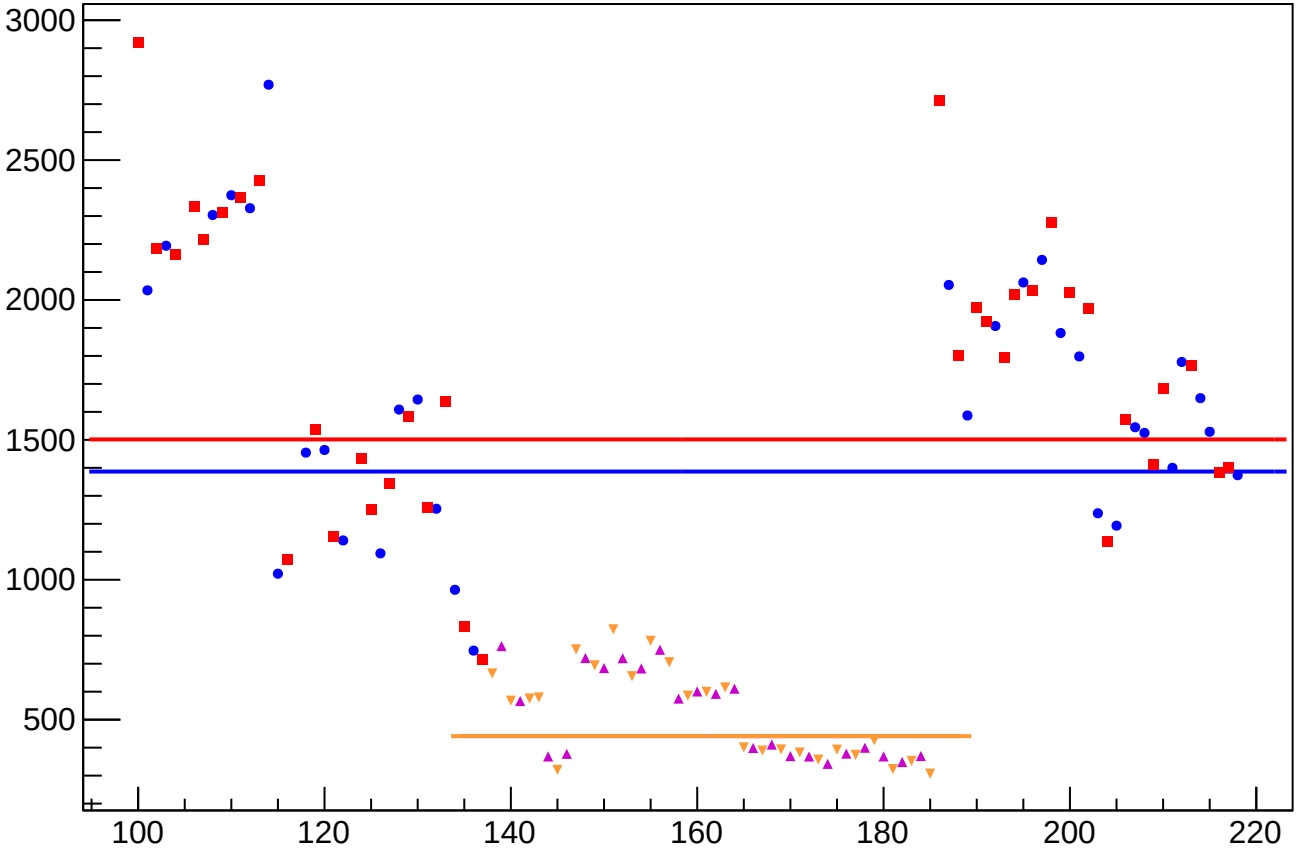
In: 90.147+/-0.011 χ^2/NDF:10000863.9/54

Out: 89.470+/-0.011 χ^2/NDF:12069704.0/60

All: 89.803+/-0.008 χ^2/NDF: 22072461.3/115


asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1496.371+/-324.148 χ²/NDF: 39.9/31
Left Out: -288.079+/-105.231 χ²/NDF:53.3/24
Right Out: 985.160+/-346.097 χ²/NDF: 30.5/35
Left In: 10.644+/-107.670 χ²/NDF:33.4/22
Left: -142.138+/-75.257 χ²/NDF: 90.6/47
Right: -336.784+/-236.586 χ²/NDF: 97.8/67
In: -139.105+/-102.180 χ²/NDF:92.8/54
Out: -180.332+/-100.680 χ²/NDF:96.2/60
All: -160.023+/-71.716 χ²/NDF: 189.1/115

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: 1501.568+/-0.245 χ^2/NDF: 3378679.8/35

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

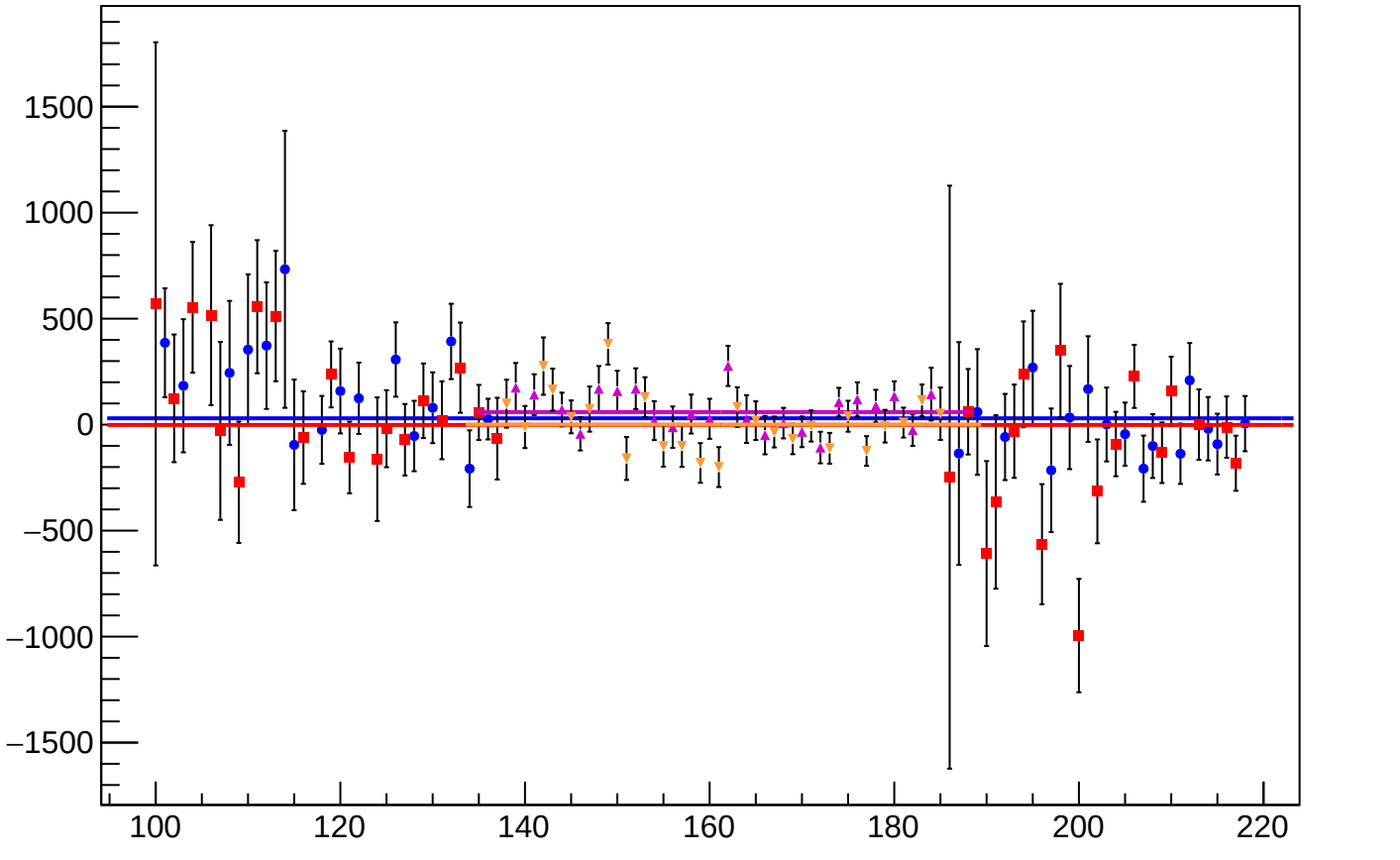
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

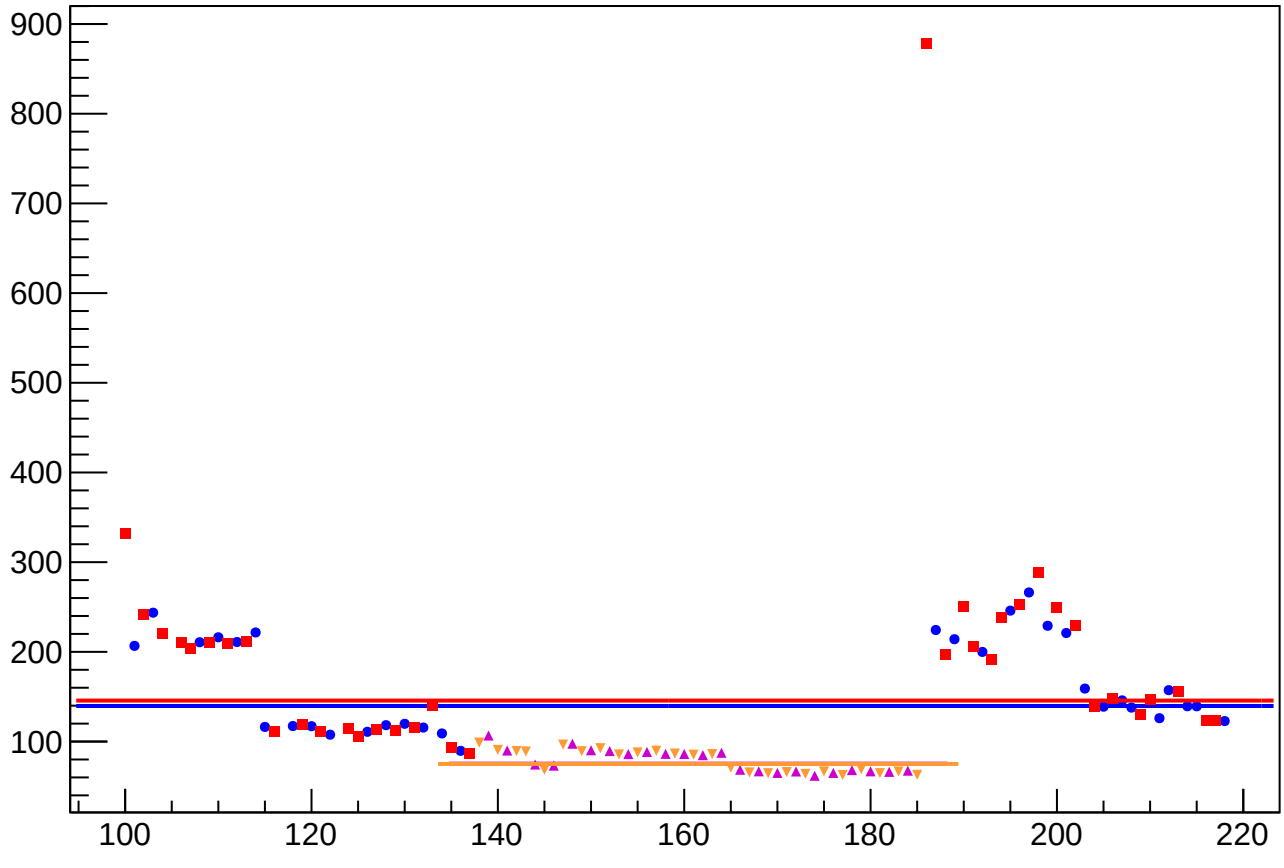
Right: 1440.425+/-0.167 χ^2/NDF: 6929586.7/67

In: 535.158+/-0.072 χ^2/NDF:21444394.7/54

Out: 530.867+/-0.071 χ^2/NDF:23800548.4/60

All: 532.981+/-0.051 χ^2/NDF: 45246732.7/11


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: -1.325+/-34.187 χ²/NDF: 48.9/35
Left In: 58.904+/-17.879 χ²/NDF:25.8/22
Left: 28.824+/-12.440 χ²/NDF: 79.9/47
Right: 14.999+/-23.631 χ²/NDF: 73.7/67
In: 52.236+/-15.687 χ²/NDF:50.8/54
Out: 0.205+/-15.450 χ²/NDF:97.5/60
All: 25.824+/-11.008 χ²/NDF: 153.9/115



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: 145.689+/-0.024 χ^2/NDF: 4345098.9/35

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

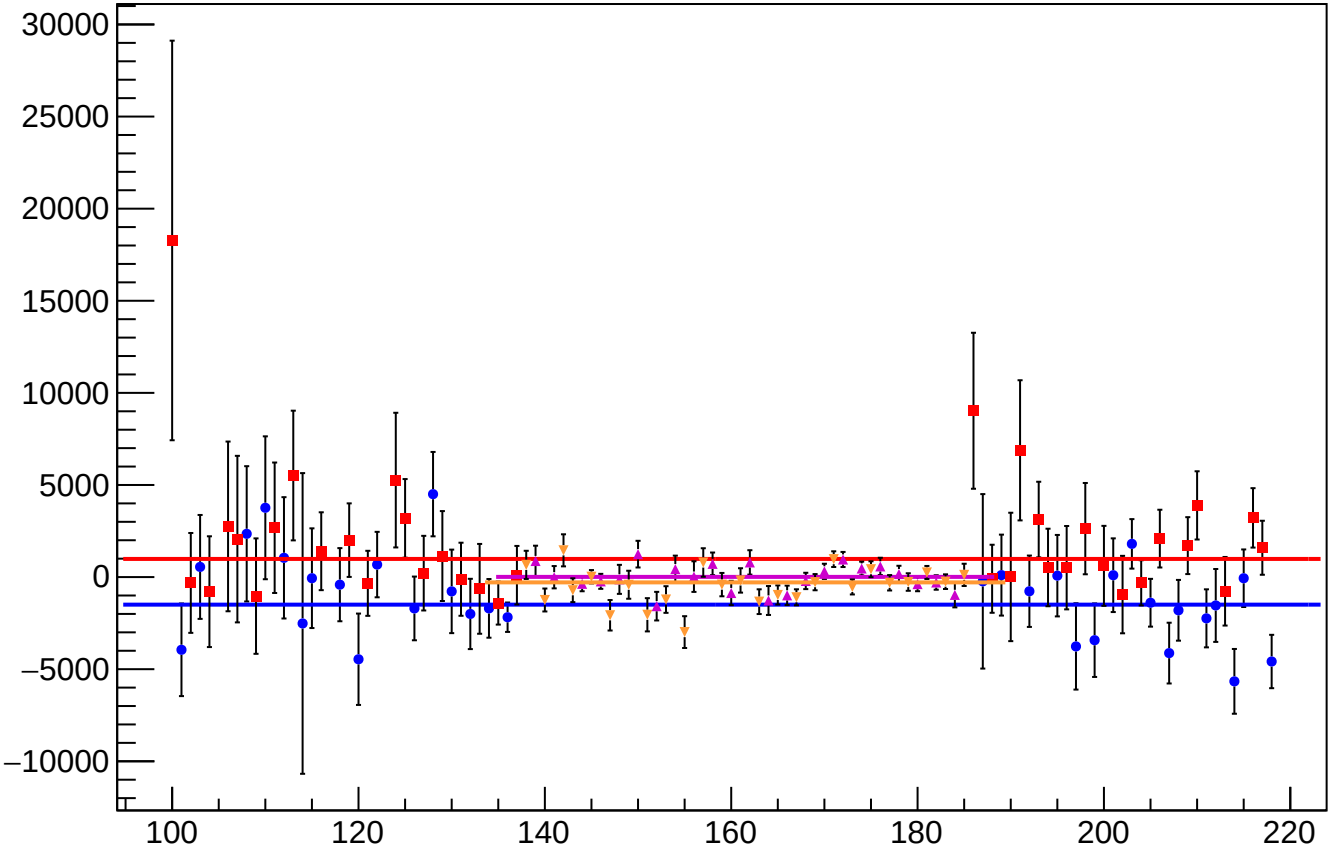
Right: 142.529+/-0.017 χ^2/NDF: 7590239.3/67

In: 90.147+/-0.011 χ^2/NDF:10000863.9/54

Out: 89.470+/-0.011 χ^2/NDF:12069704.0/60

All: 89.803+/-0.008 χ^2/NDF: 22072461.3/115

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: 985.160+/-346.097 χ^2/NDF: 30.5/35

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

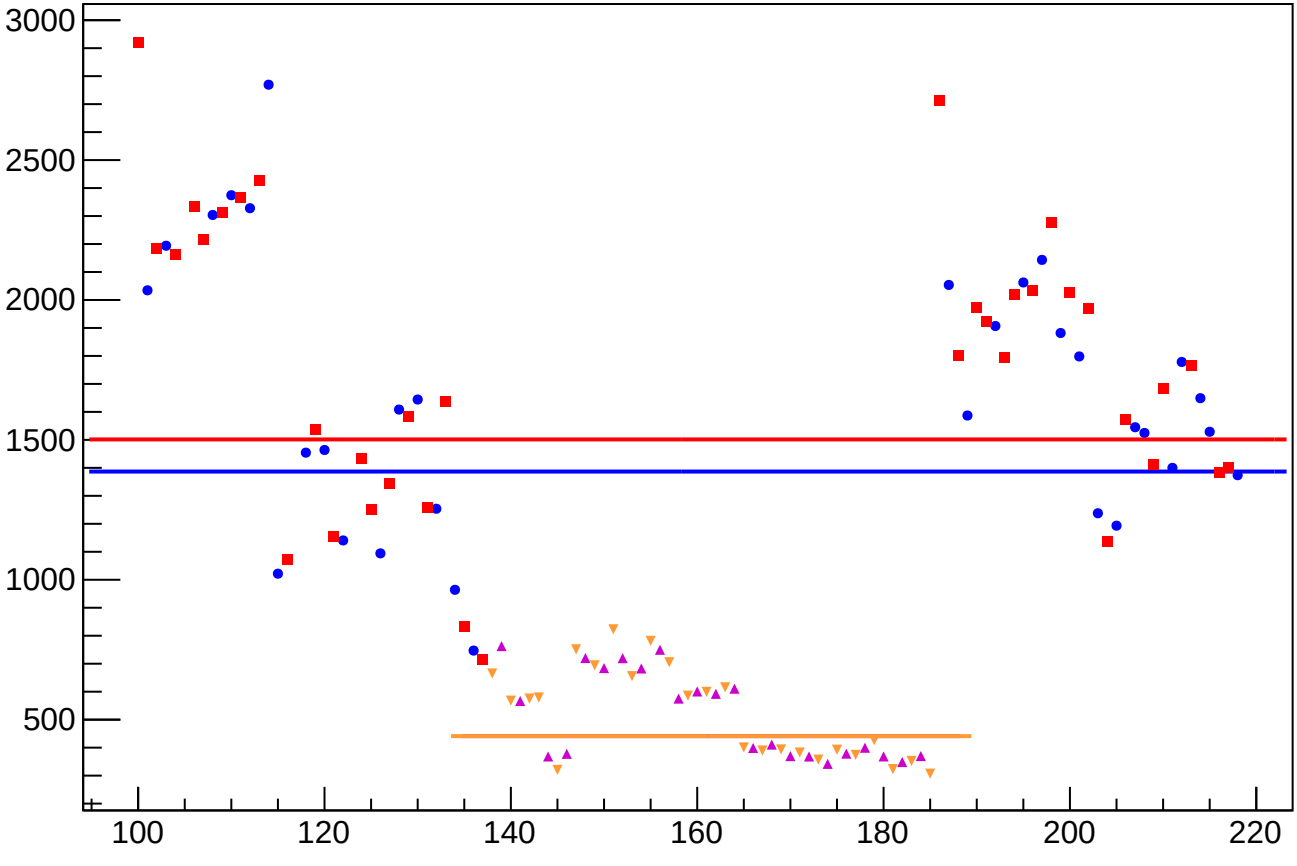
Right: -336.784+/-236.586 χ^2/NDF: 97.8/67

In: -139.105+/-102.180 χ^2/NDF:92.8/54

Out: -180.332+/-100.680 χ^2/NDF:96.2/60

All: -160.023+/-71.716 χ^2/NDF: 189.1/115

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: 1501.568+/-0.245 χ^2/NDF: 3378679.8/35

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

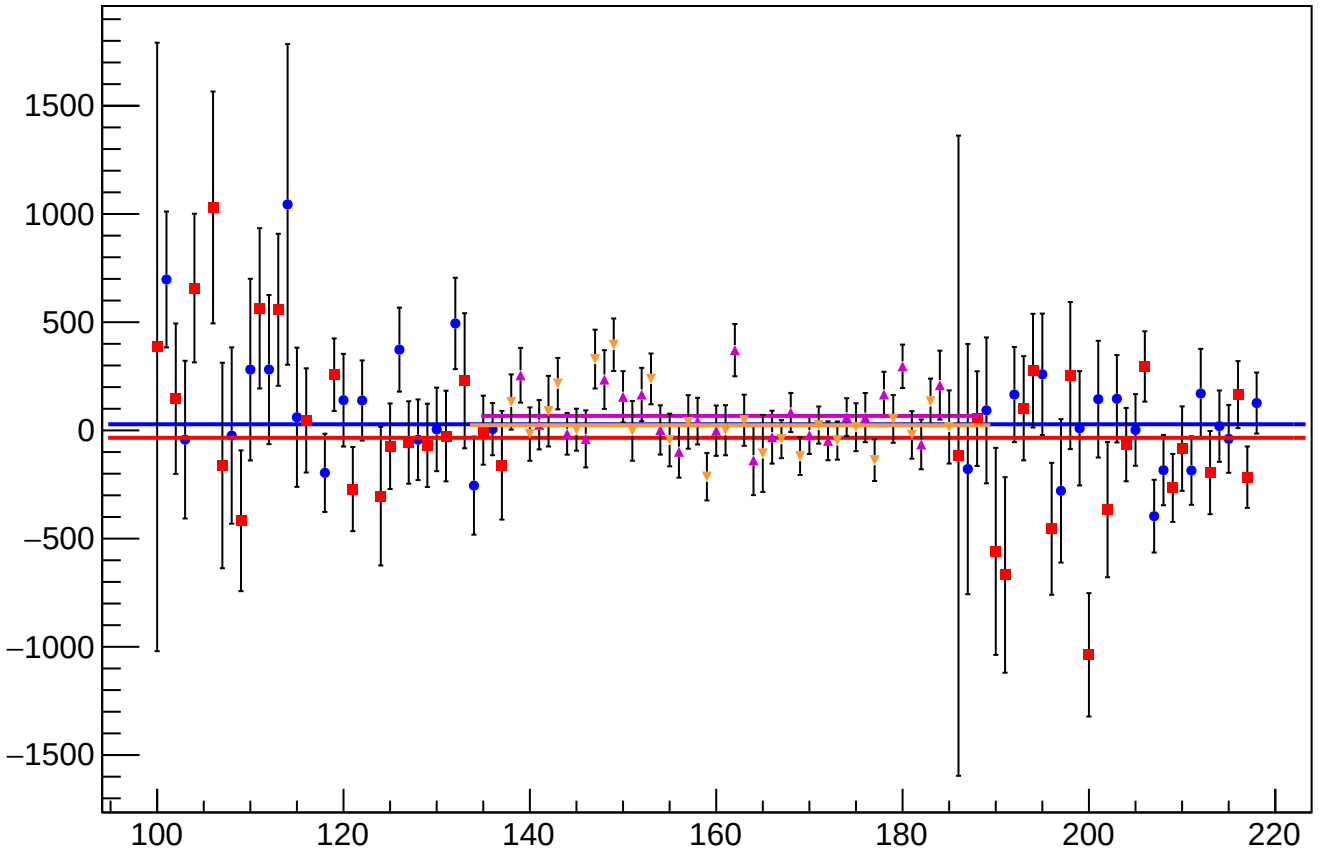
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1440.425+/-0.167 χ^2/NDF: 6929586.7/67

In: 535.158+/-0.072 χ^2/NDF:21444394.7/54

Out: 530.867+/-0.071 χ^2/NDF:23800548.4/60

All: 532.981+/-0.051 χ^2/NDF: 45246732.7/11



Right In: 28.351+/-36.965 χ^2/NDF: 33.1/31

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -34.223+/-38.636 χ^2/NDF: 53.3/35

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

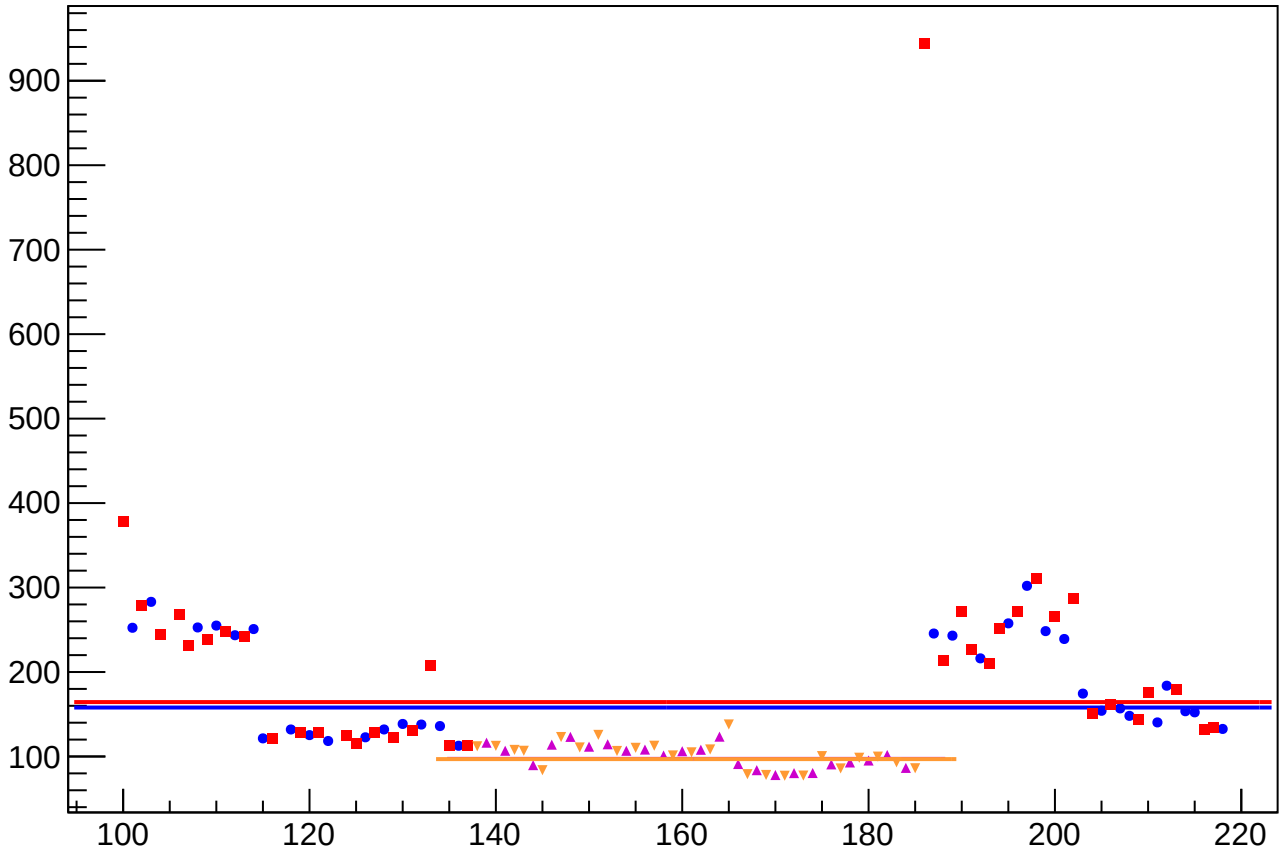
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: -1.553+/-26.709 χ^2/NDF: 87.7/67

In: 56.193+/-19.602 χ^2/NDF:62.5/54

Out: 9.244+/-19.388 χ^2/NDF:90.2/60

All: 32.460+/-13.784 χ^2/NDF: 155.6/115



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: 164.412+/-0.027 χ^2/NDF: 4217505.3/35

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

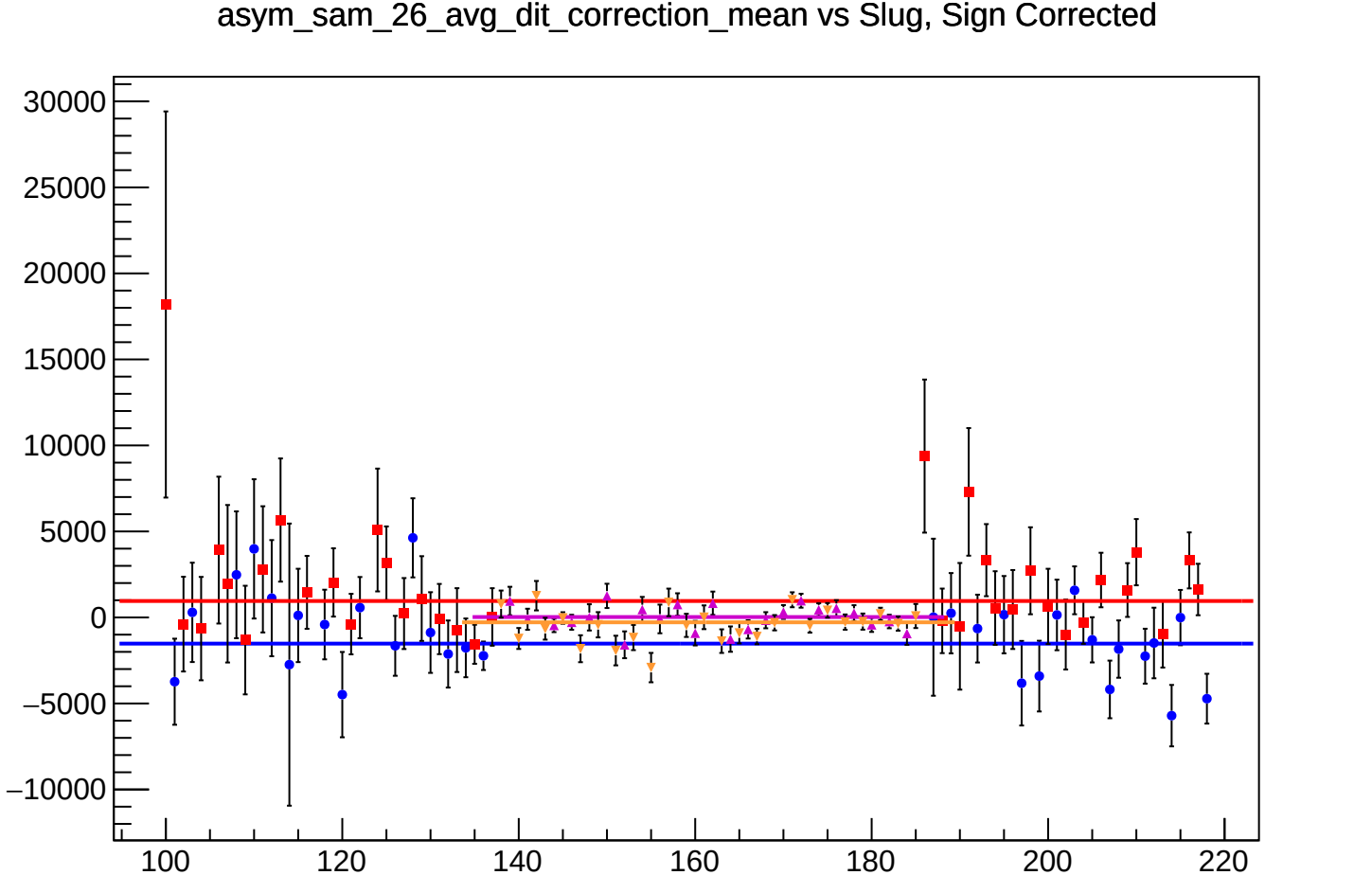
Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

Right: 161.039+/-0.019 χ^2/NDF: 7189408.4/67

In: 114.261+/-0.014 χ^2/NDF:7504639.1/54

Out: 113.906+/-0.014 χ^2/NDF:9719517.7/60

All: 114.081+/-0.010 χ^2/NDF: 17224489.3/11



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: 956.539+/-349.858 χ^2/NDF: 32.4/35

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

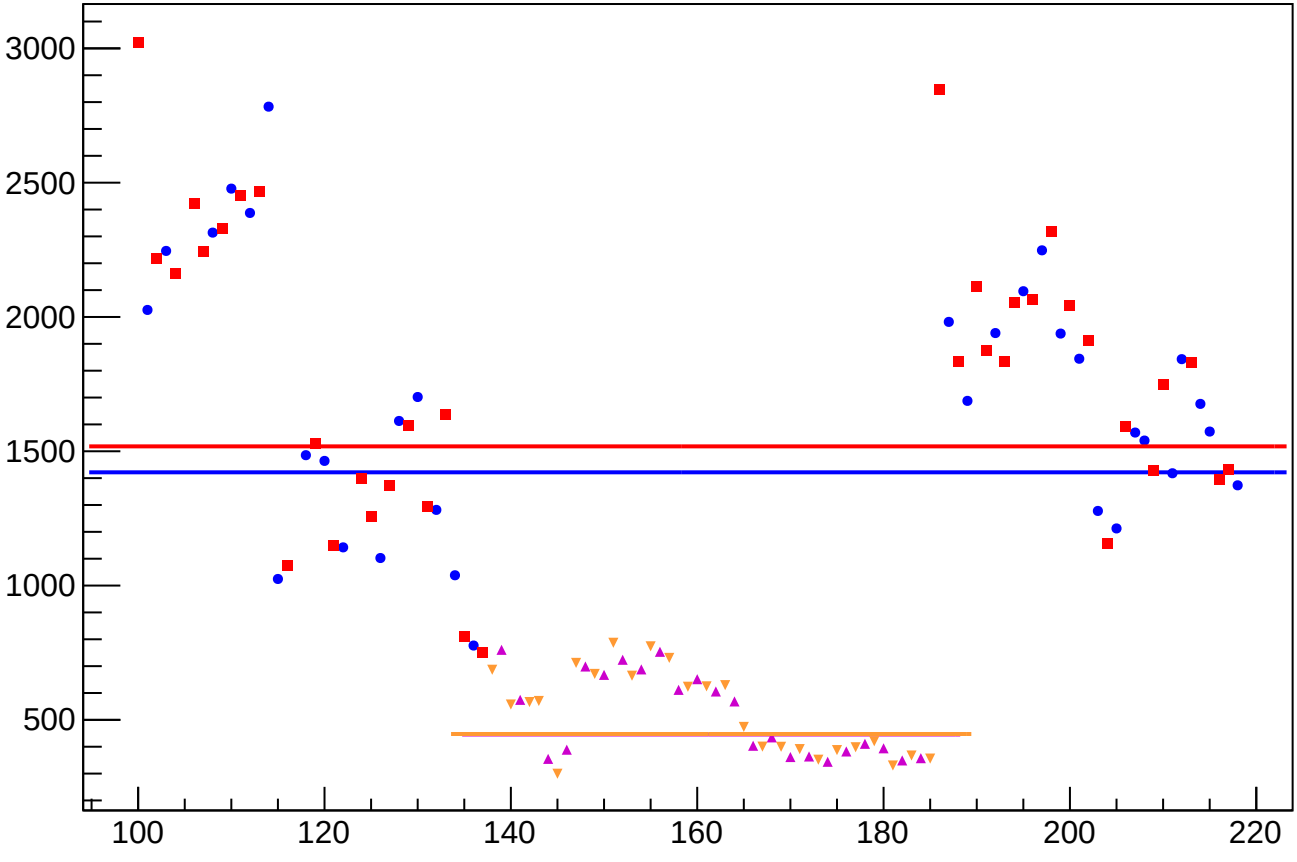
Right: -348.179+/-240.710 χ^2/NDF: 98.0/67

In: -125.720+/-103.452 χ^2/NDF:91.8/54

Out: -177.542+/-101.791 χ^2/NDF:94.3/60

All: -152.050+/-72.558 χ^2/NDF: 186.2/115

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: 1518.255+/-0.247 χ^2/NDF: 3499158.6/35

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

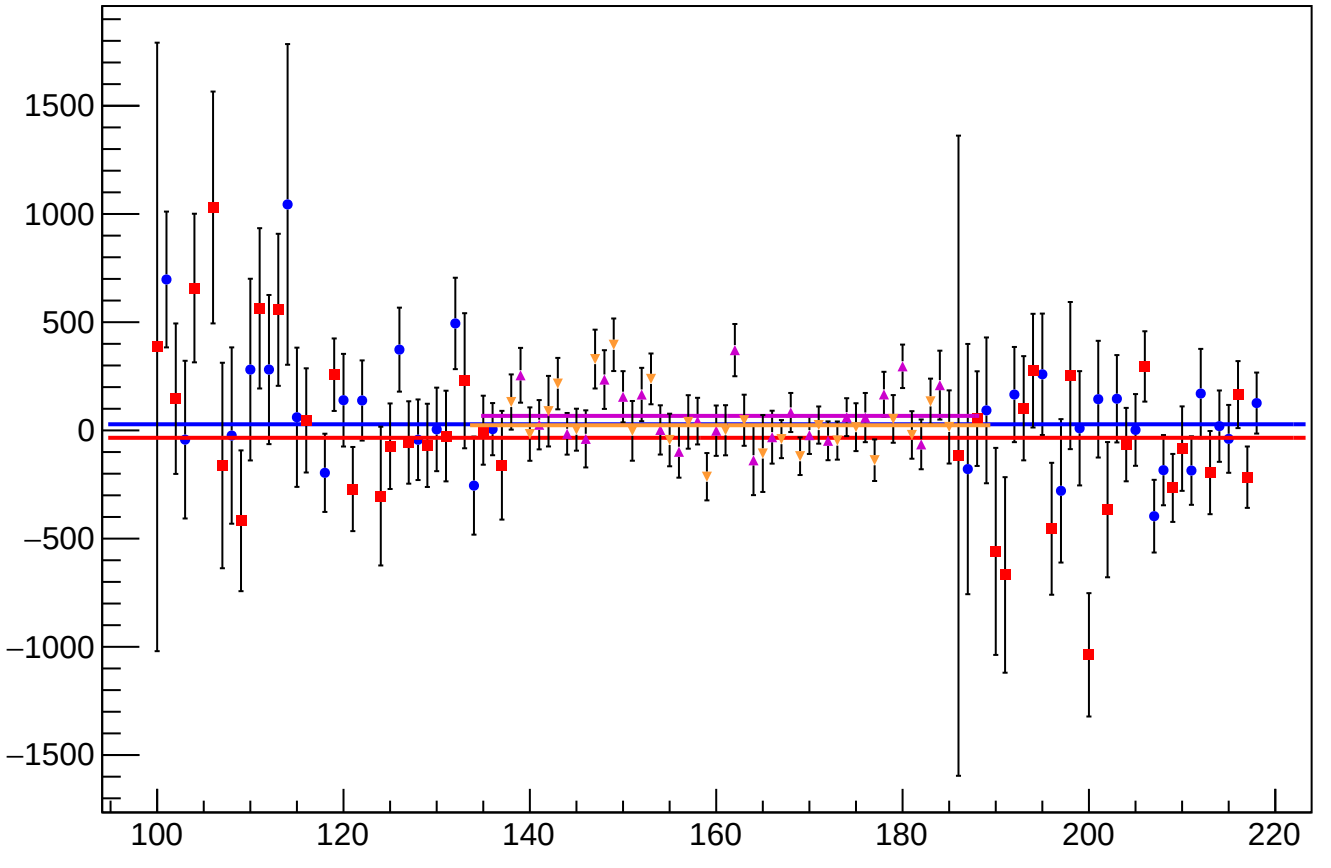
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1467.366+/-0.170 χ^2/NDF: 6915618.5/67

In: 540.443+/-0.073 χ^2/NDF:21685157.9/54

Out: 538.037+/-0.072 χ^2/NDF:23848526.5/60

All: 539.221+/-0.051 χ^2/NDF: 45534234.2/11



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: -34.224+/-38.636 χ^2/NDF: 53.3/35

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

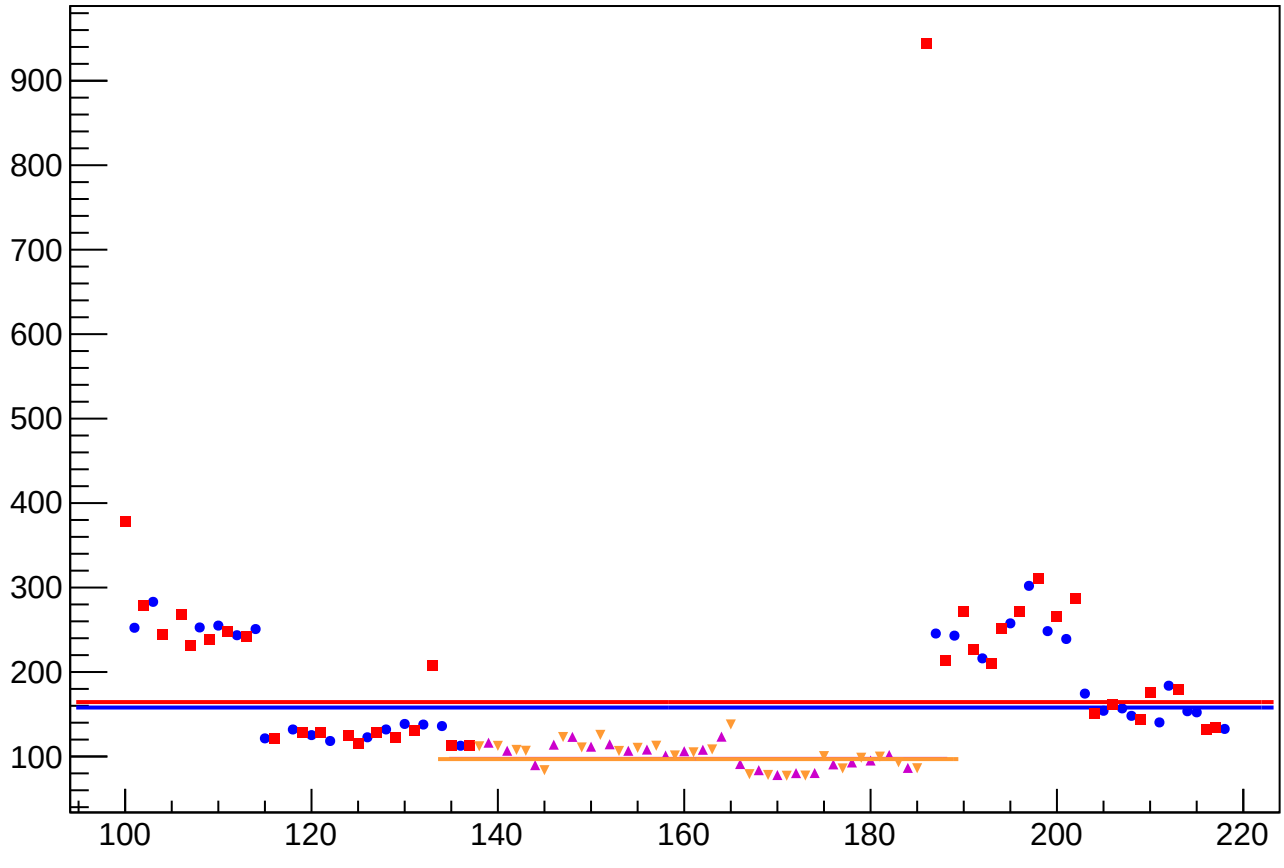
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: -1.552+/-26.709 χ^2/NDF: 87.7/67

In: 56.194+/-19.602 χ^2/NDF:62.5/54

Out: 9.243+/-19.388 χ^2/NDF:90.2/60

All: 32.460+/-13.784 χ^2/NDF: 155.6/115



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: 164.412+/-0.027 χ^2/NDF: 4217507.7/35

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

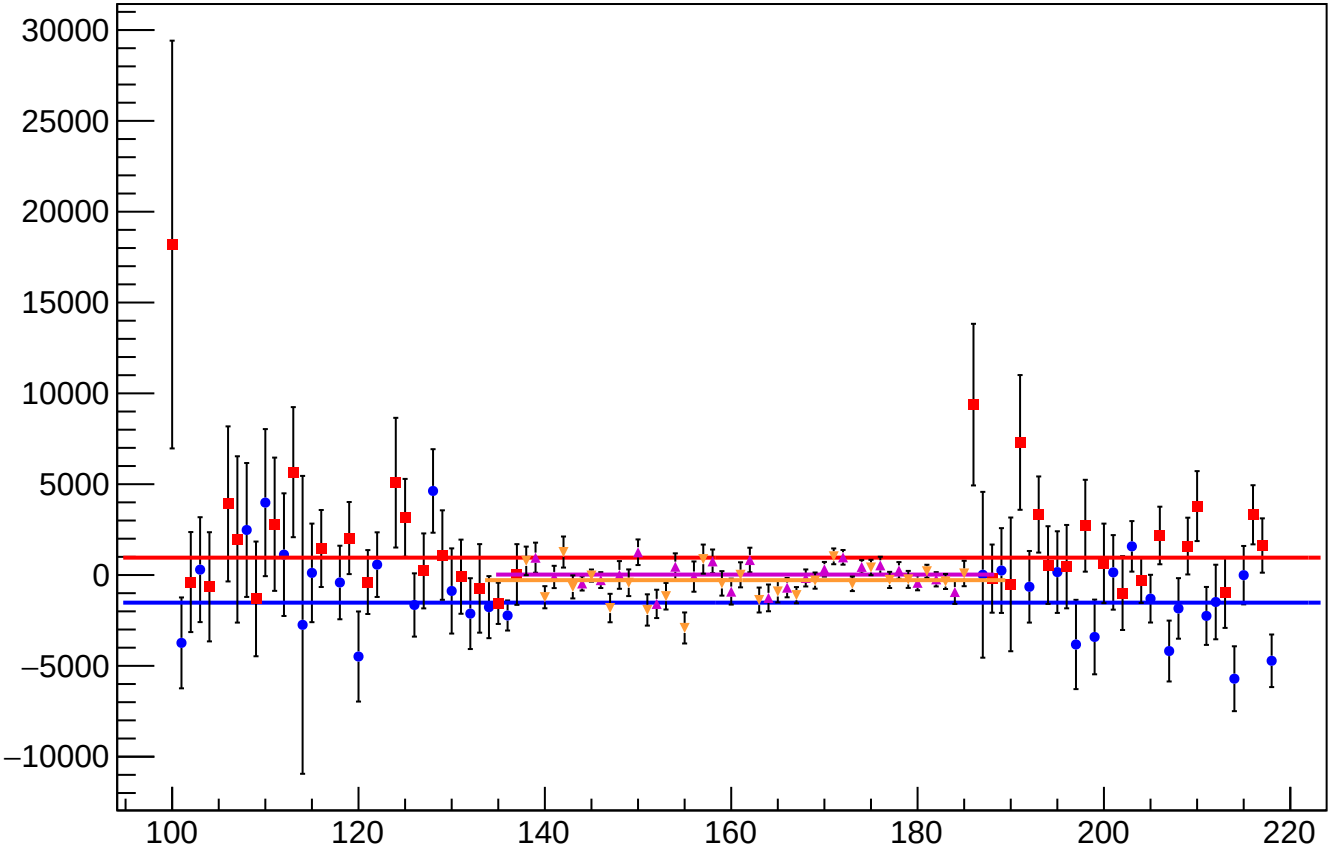
Right: 161.039+/-0.019 χ^2/NDF: 7189419.3/67

In: 114.261+/-0.014 χ^2/NDF:7504548.3/54

Out: 113.906+/-0.014 χ^2/NDF:9719453.9/60

All: 114.082+/-0.010 χ^2/NDF: 17224334.8/11

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: 956.539+/-349.858 χ^2/NDF: 32.4/35

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

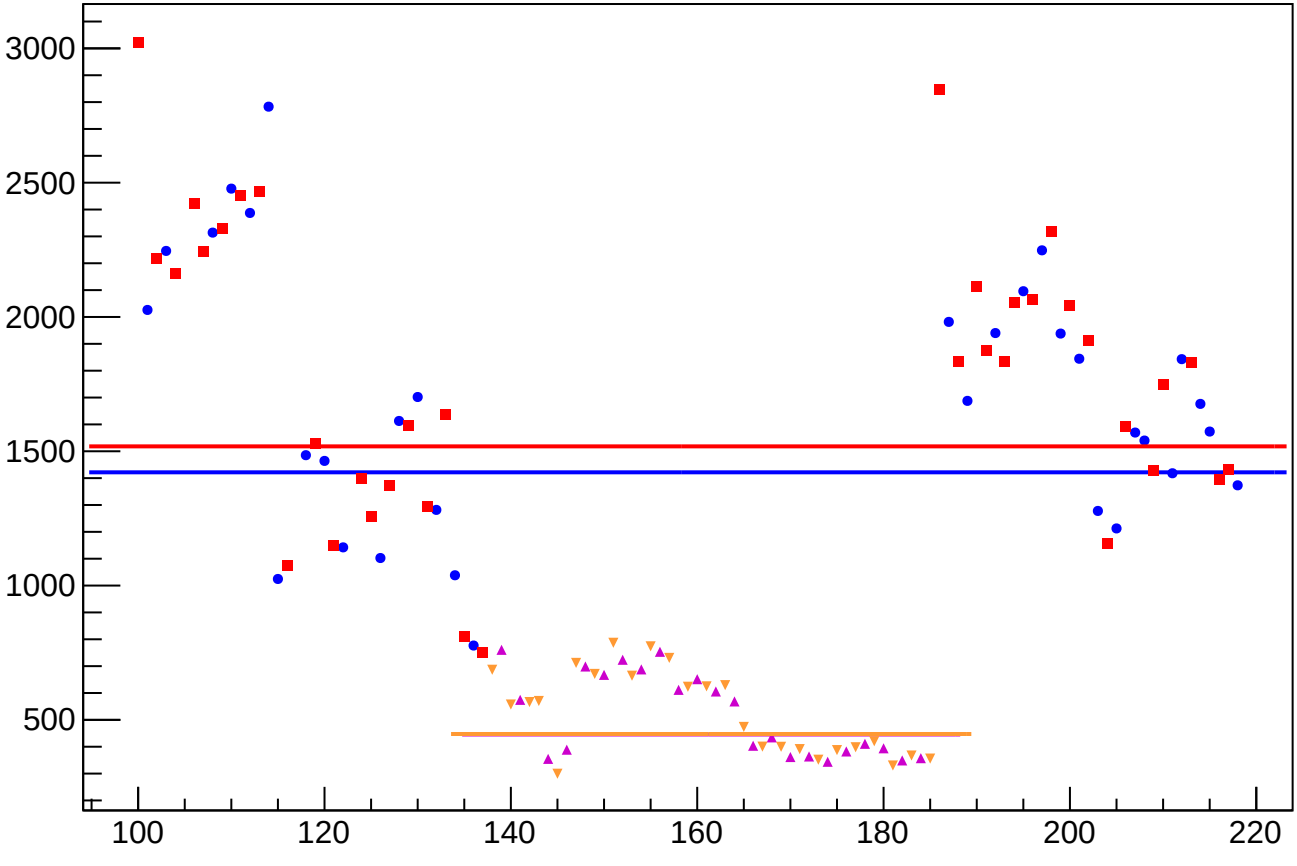
Right: -348.179+/-240.710 χ^2/NDF: 98.0/67

In: -125.719+/-103.452 χ^2/NDF:91.8/54

Out: -177.541+/-101.791 χ^2/NDF:94.3/60

All: -152.049+/-72.557 χ^2/NDF: 186.2/115

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: 1518.255+/-0.247 χ^2/NDF: 3499140.4/35

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

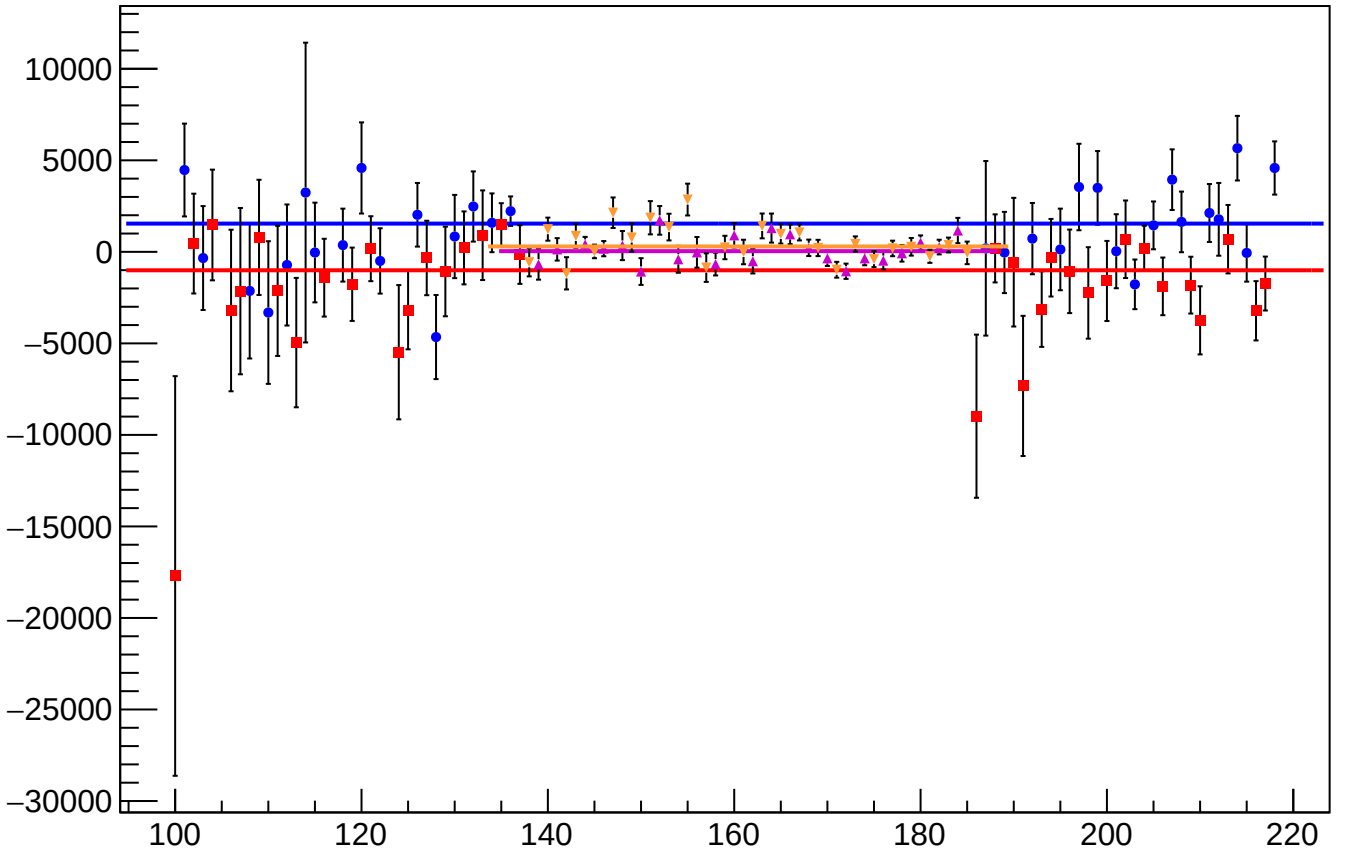
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1467.366+/-0.170 χ^2/NDF: 6915581.6/67

In: 540.443+/-0.073 χ^2/NDF:21685168.7/54

Out: 538.036+/-0.072 χ^2/NDF:23848559.3/60

All: 539.220+/-0.051 χ^2/NDF: 45534277.8/11



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: -1007.020+/-348.042 χ^2/NDF: 29.4/35

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

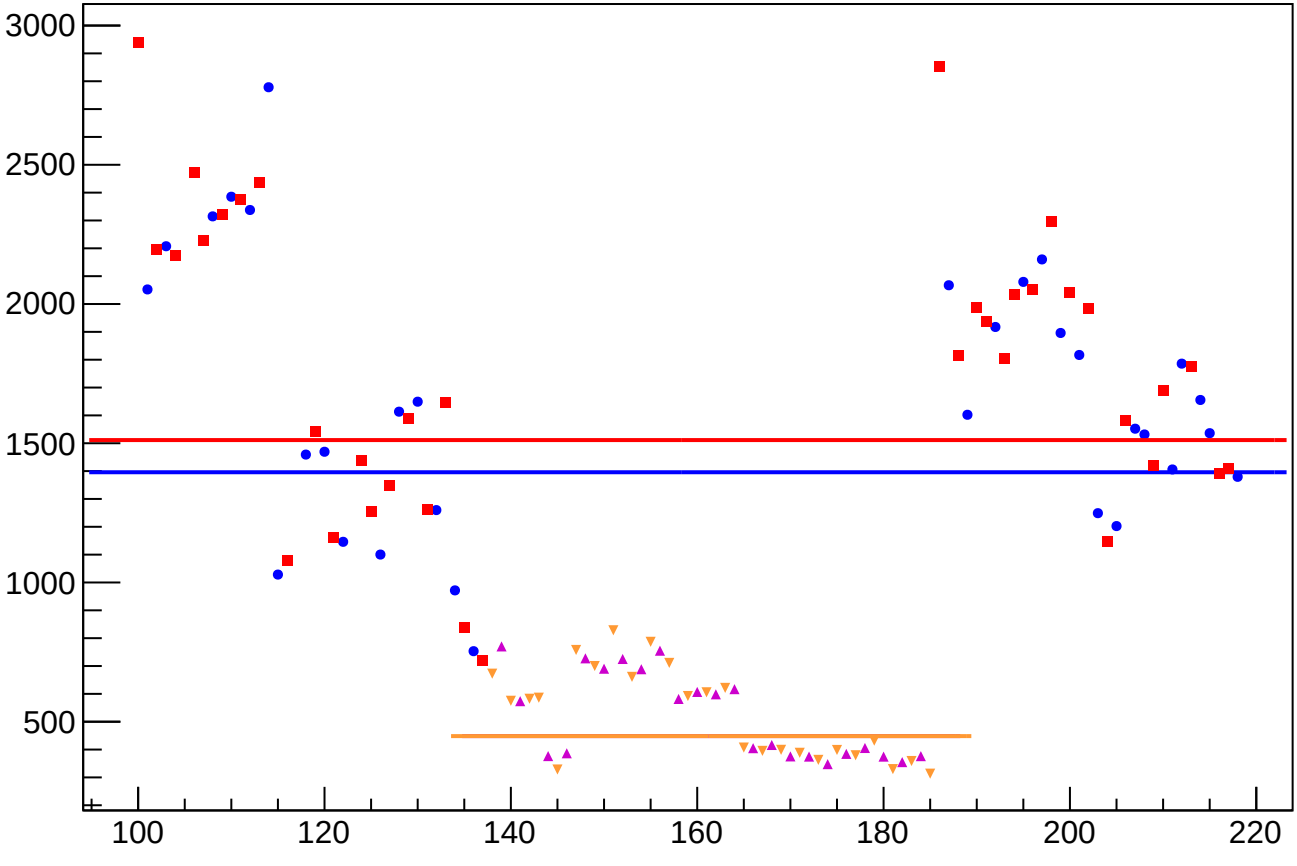
Right: 350.442+/-238.000 χ^2/NDF: 97.2/67

In: 190.037+/-103.650 χ^2/NDF:91.2/54

Out: 182.936+/-102.110 χ^2/NDF:92.7/60

All: 186.433+/-72.741 χ^2/NDF: 183.9/115

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: 1511.384+/-0.246 χ^2/NDF: 3426771.7/35

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

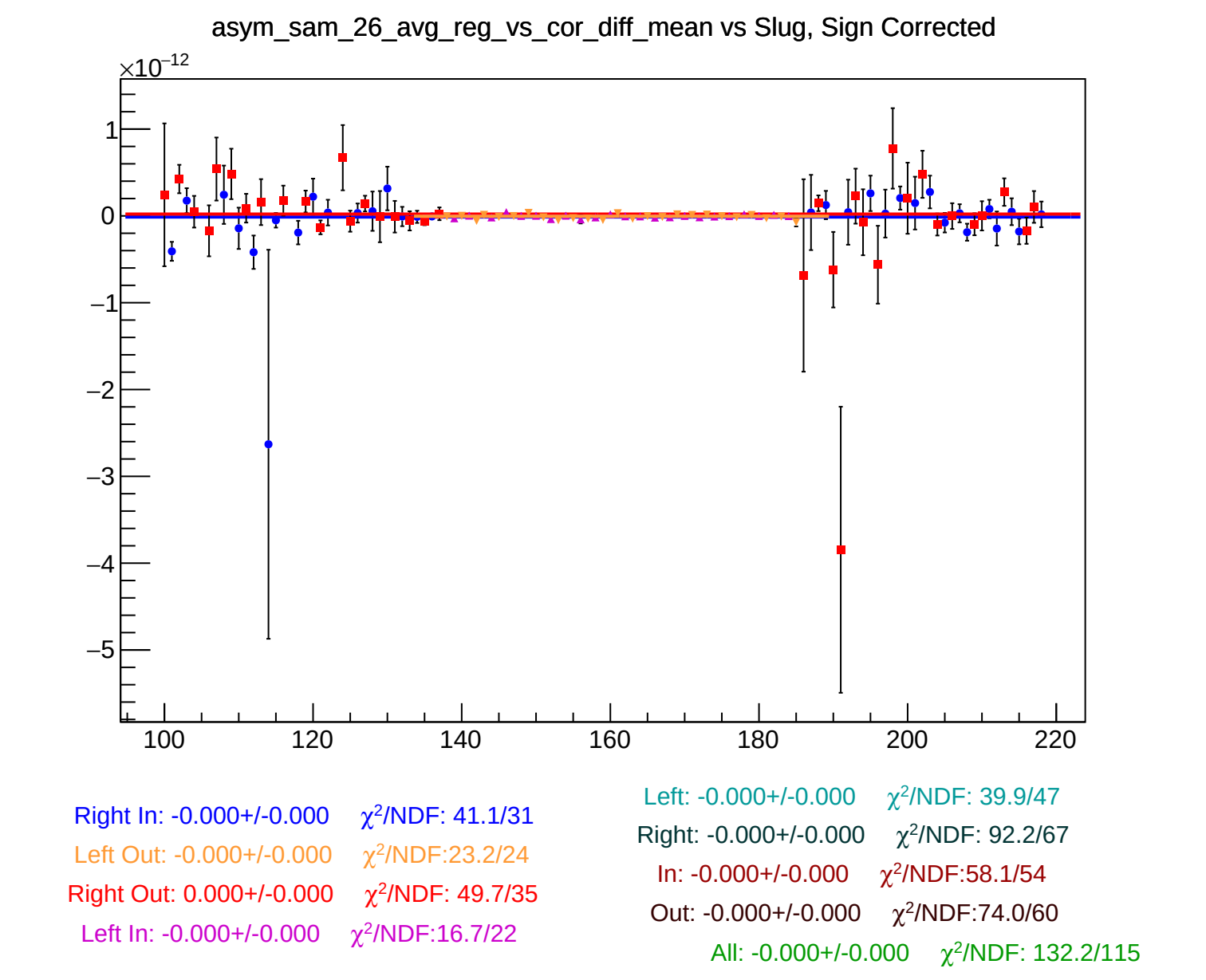
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

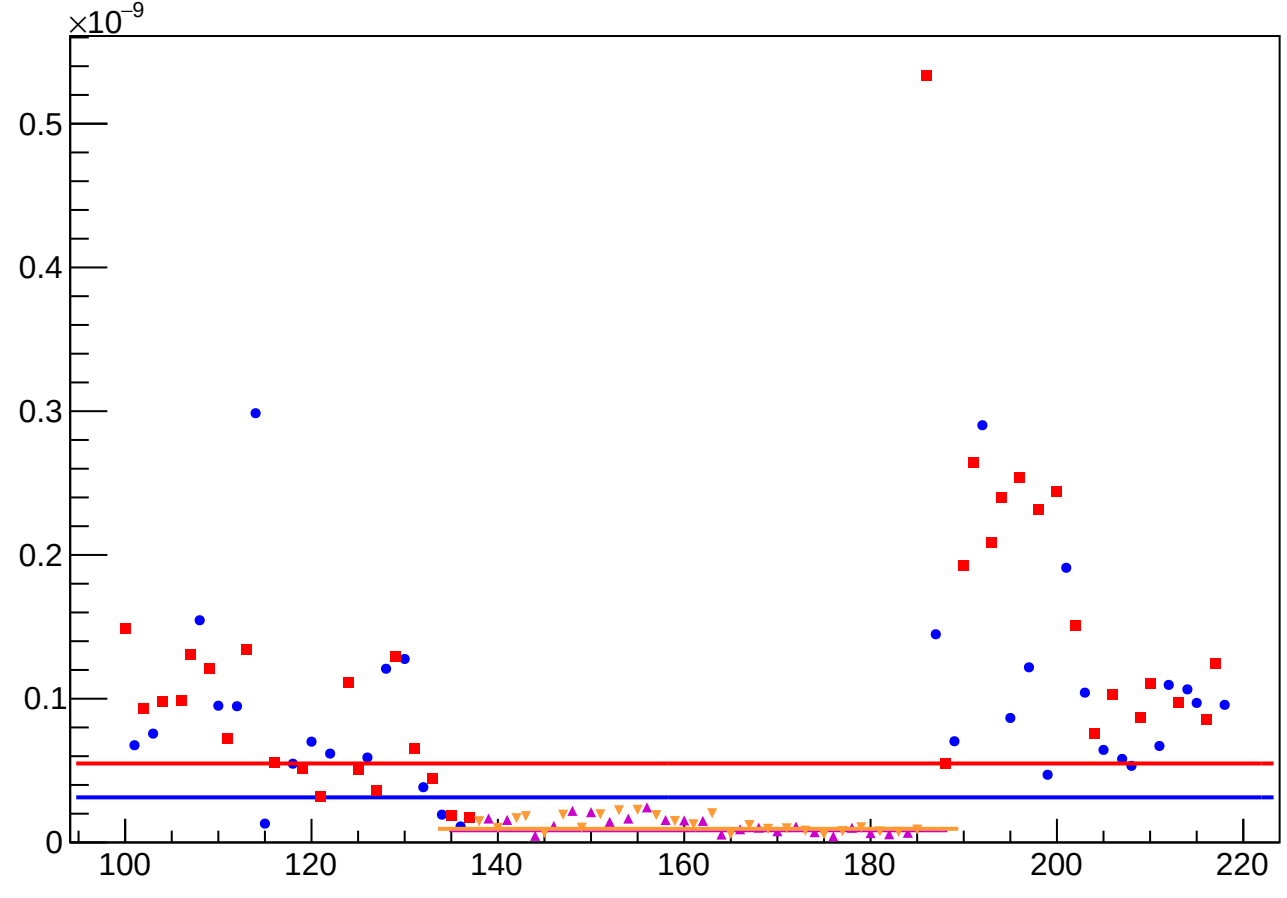
Right: 1449.878+/-0.168 χ^2/NDF: 6962137.5/67

In: 544.065+/-0.073 χ^2/NDF:21209039.0/54

Out: 539.784+/-0.072 χ^2/NDF:23637866.9/60

All: 541.892+/-0.051 χ^2/NDF: 44848637.5/11


asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 41.1/31
Left Out: -0.000+/-0.000 χ²/NDF:23.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 49.7/35
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: -0.000+/-0.000 χ²/NDF: 39.9/47
Right: -0.000+/-0.000 χ²/NDF: 92.2/67
In: -0.000+/-0.000 χ²/NDF:58.1/54
Out: -0.000+/-0.000 χ²/NDF:74.0/60
All: -0.000+/-0.000 χ²/NDF: 132.2/115



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: 6780437.8/35

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

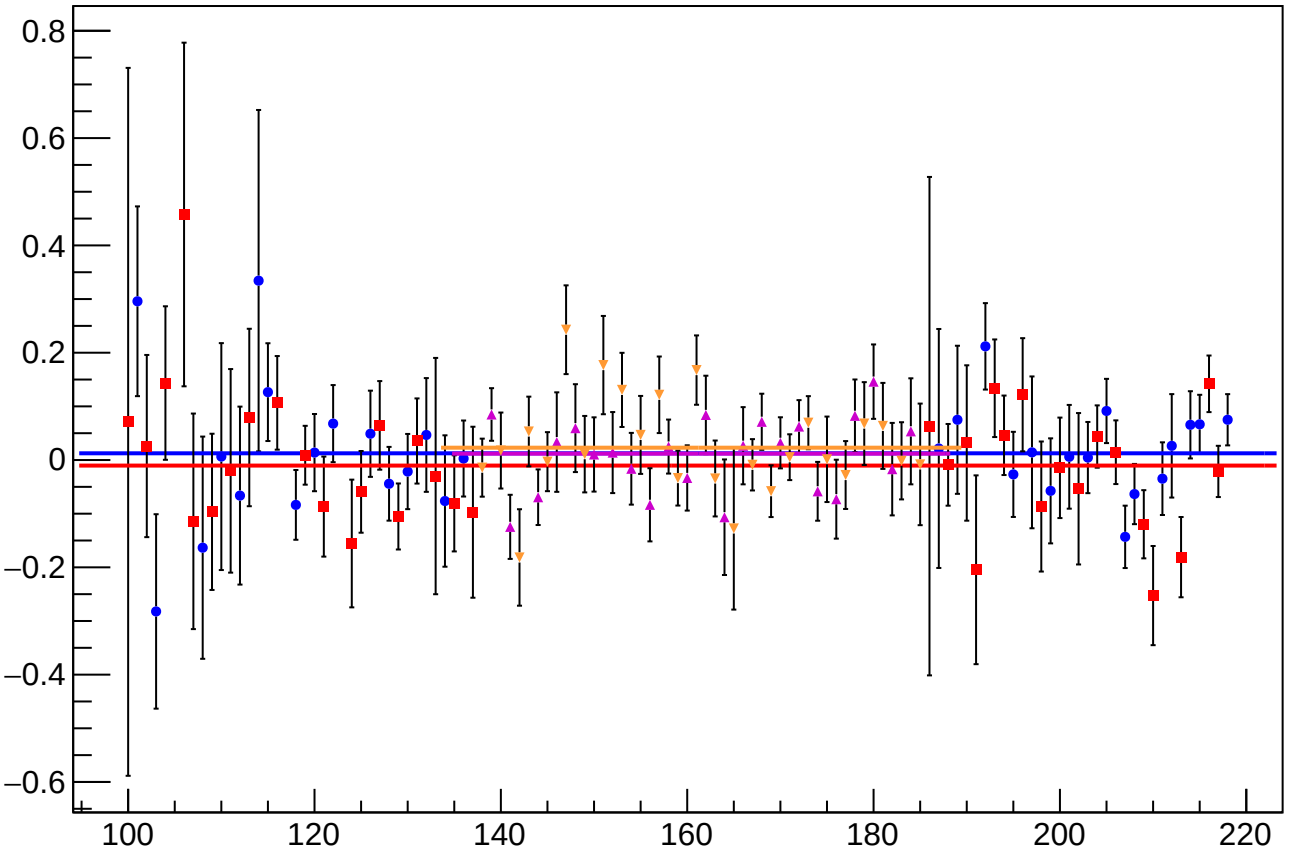
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 16854607.9/67

In: 0.000+/-0.000 χ^2/NDF:15277705.8/54

Out: 0.000+/-0.000 χ^2/NDF:16476490.4/60

All: 0.000+/-0.000 χ^2/NDF: 31830269.6/115



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: -0.010+/-0.015 χ^2/NDF: 44.2/35

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

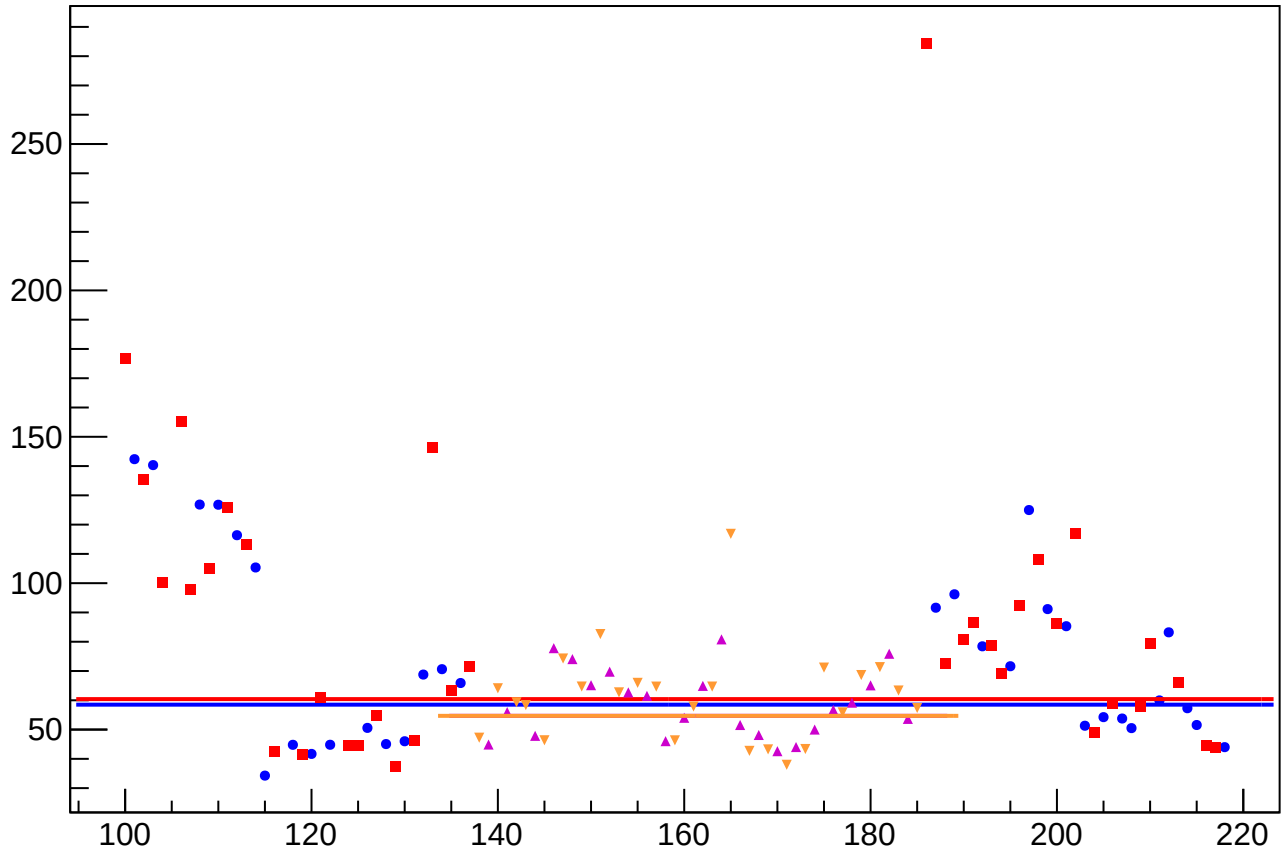
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: 0.001+/-0.010 χ^2/NDF: 80.5/67

In: 0.012+/-0.010 χ^2/NDF:60.9/54

Out: 0.008+/-0.010 χ^2/NDF:81.3/60

All: 0.010+/-0.007 χ^2/NDF: 142.3/115



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: 60.404+/-0.010 χ^2/NDF: 4873802.0/35

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

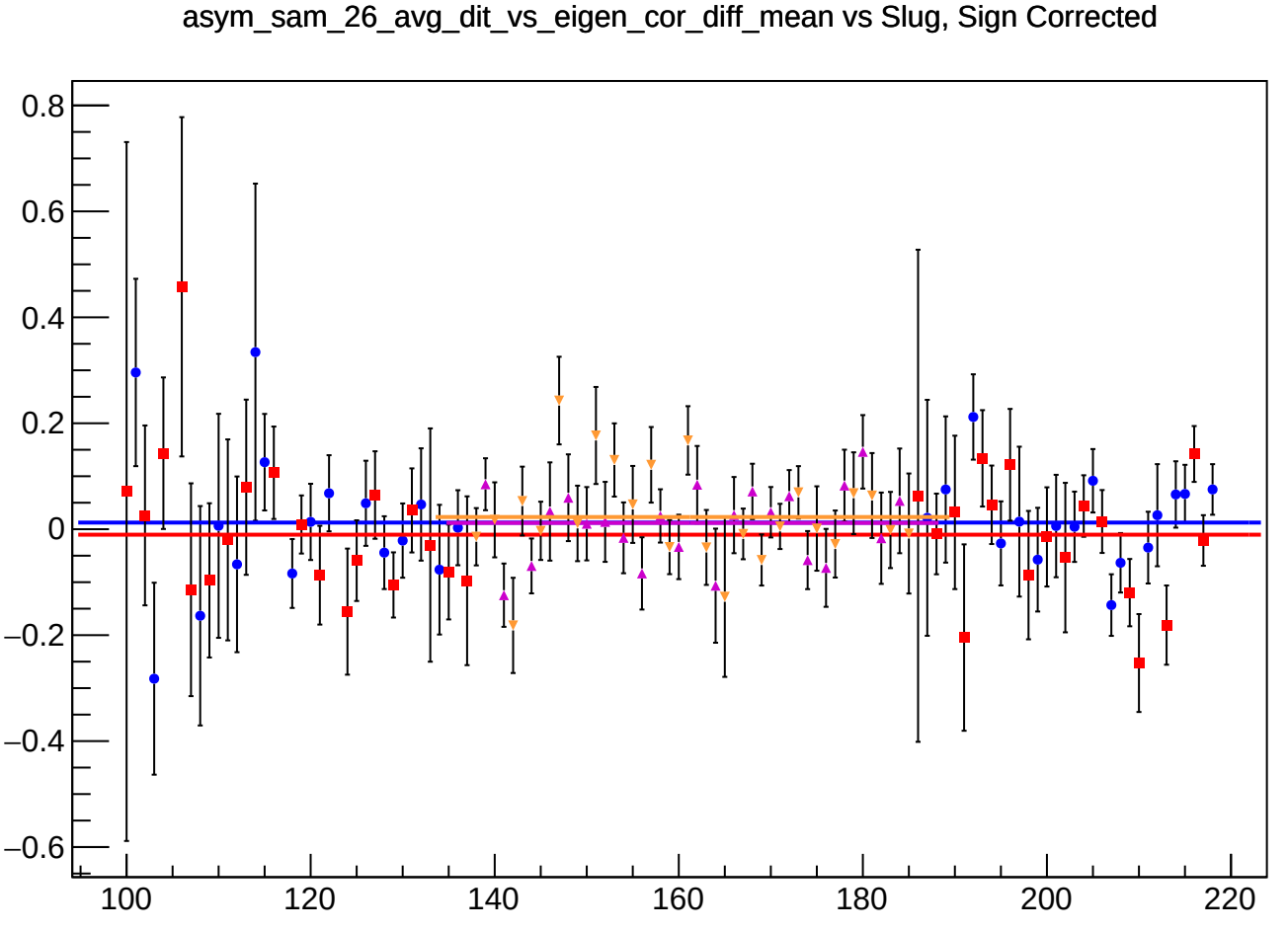
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 59.423+/-0.007 χ^2/NDF: 8719887.4/67

In: 56.463+/-0.007 χ^2/NDF:5096820.3/54

Out: 57.176+/-0.007 χ^2/NDF:6980693.7/60

All: 56.819+/-0.005 χ^2/NDF: 12082904.5/115



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: -0.010+/-0.015 χ^2/NDF: 44.2/35

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

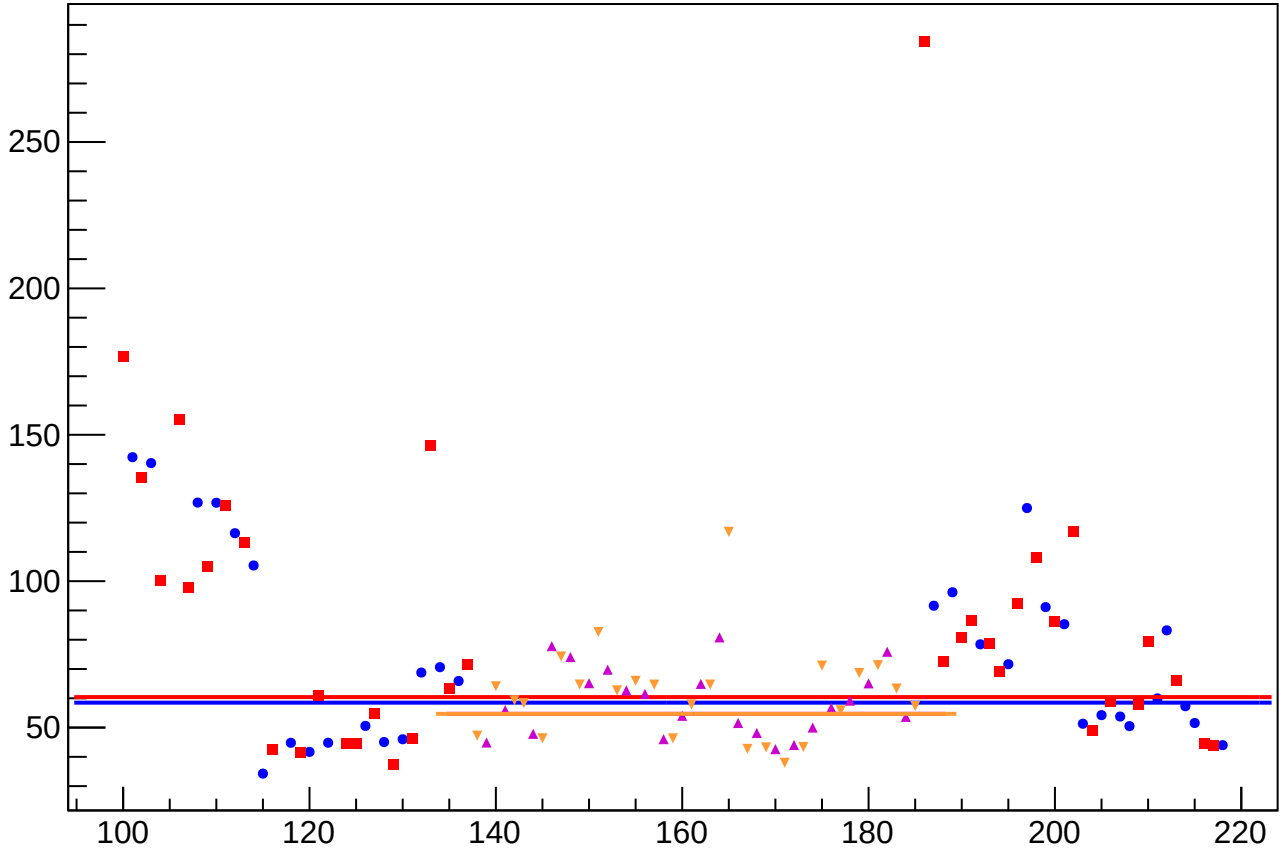
Right: 0.001+/-0.010 χ^2/NDF: 80.5/67

In: 0.012+/-0.010 χ^2/NDF:60.9/54

Out: 0.008+/-0.010 χ^2/NDF:81.3/60

All: 0.010+/-0.007 χ^2/NDF: 142.3/115

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: 60.404+/-0.010 χ^2/NDF: 4873802.0/35

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

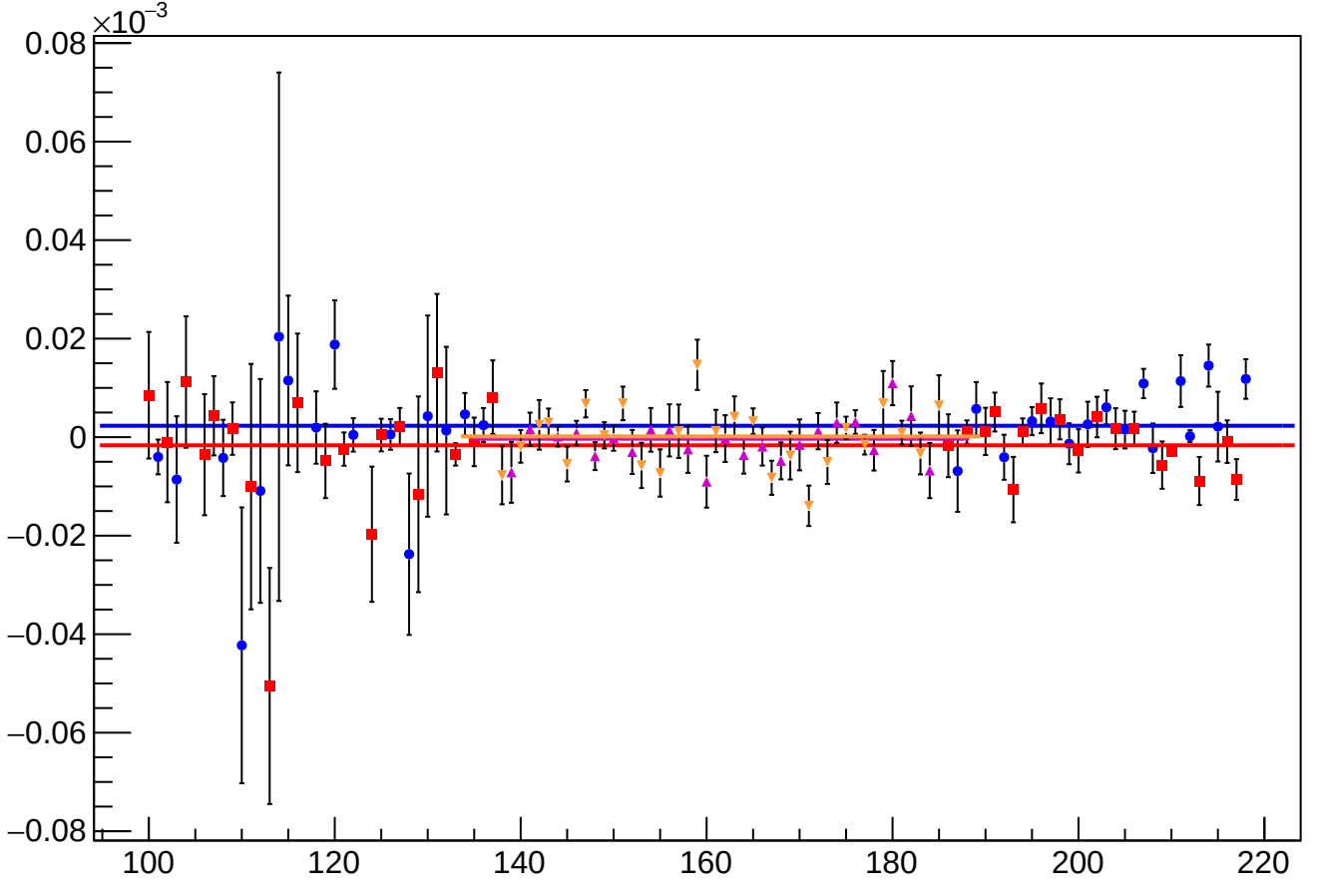
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 59.423+/-0.007 χ^2/NDF: 8719887.4/67

In: 56.463+/-0.007 χ^2/NDF:5096820.3/54

Out: 57.176+/-0.007 χ^2/NDF:6980693.7/60

All: 56.819+/-0.005 χ^2/NDF: 12082904.5/115



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: 37.3/35

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

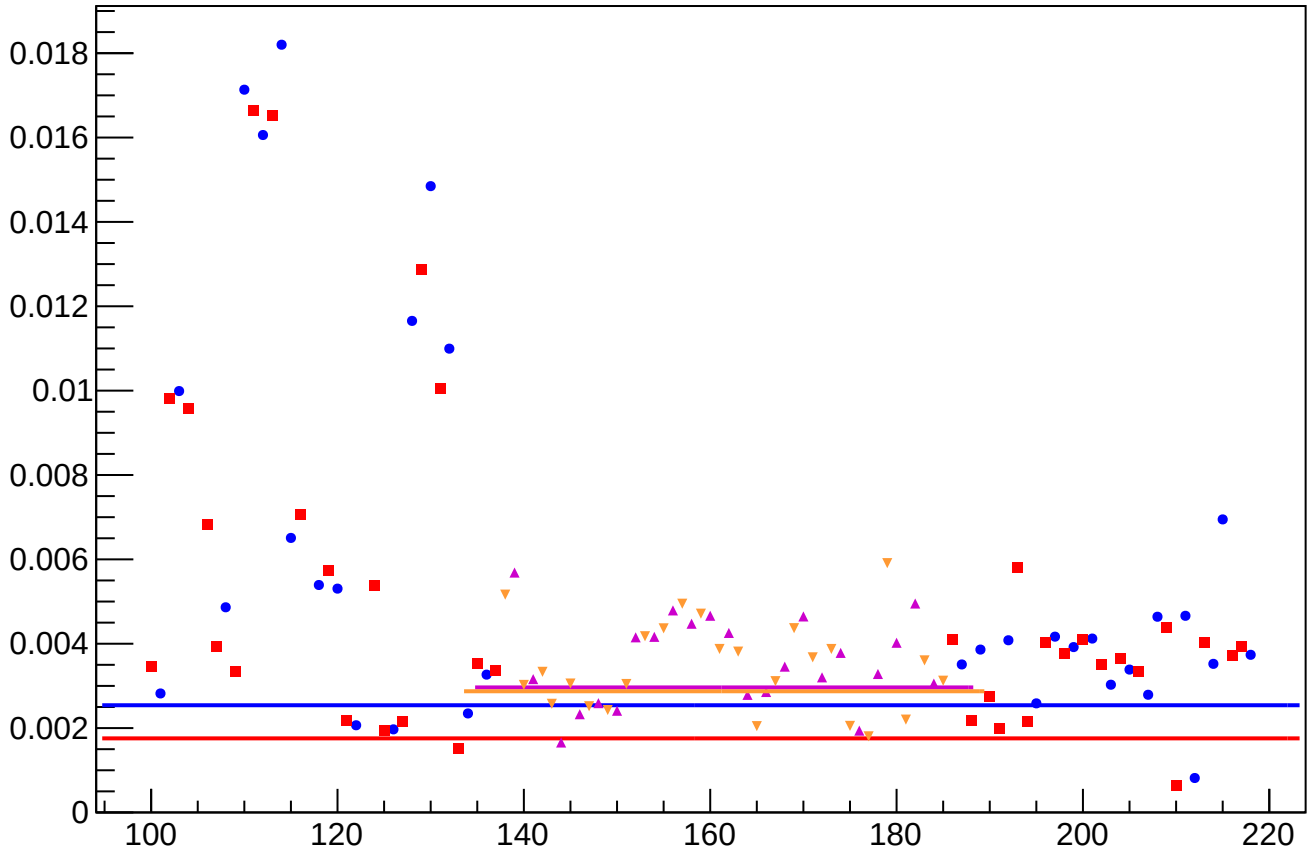
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: -0.000+/-0.000 χ^2/NDF: 106.8/67

In: 0.000+/-0.000 χ^2/NDF:76.6/54

Out: -0.000+/-0.000 χ^2/NDF:95.3/60

All: -0.000+/-0.000 χ^2/NDF: 181.4/115



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: 16759537.1/35

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

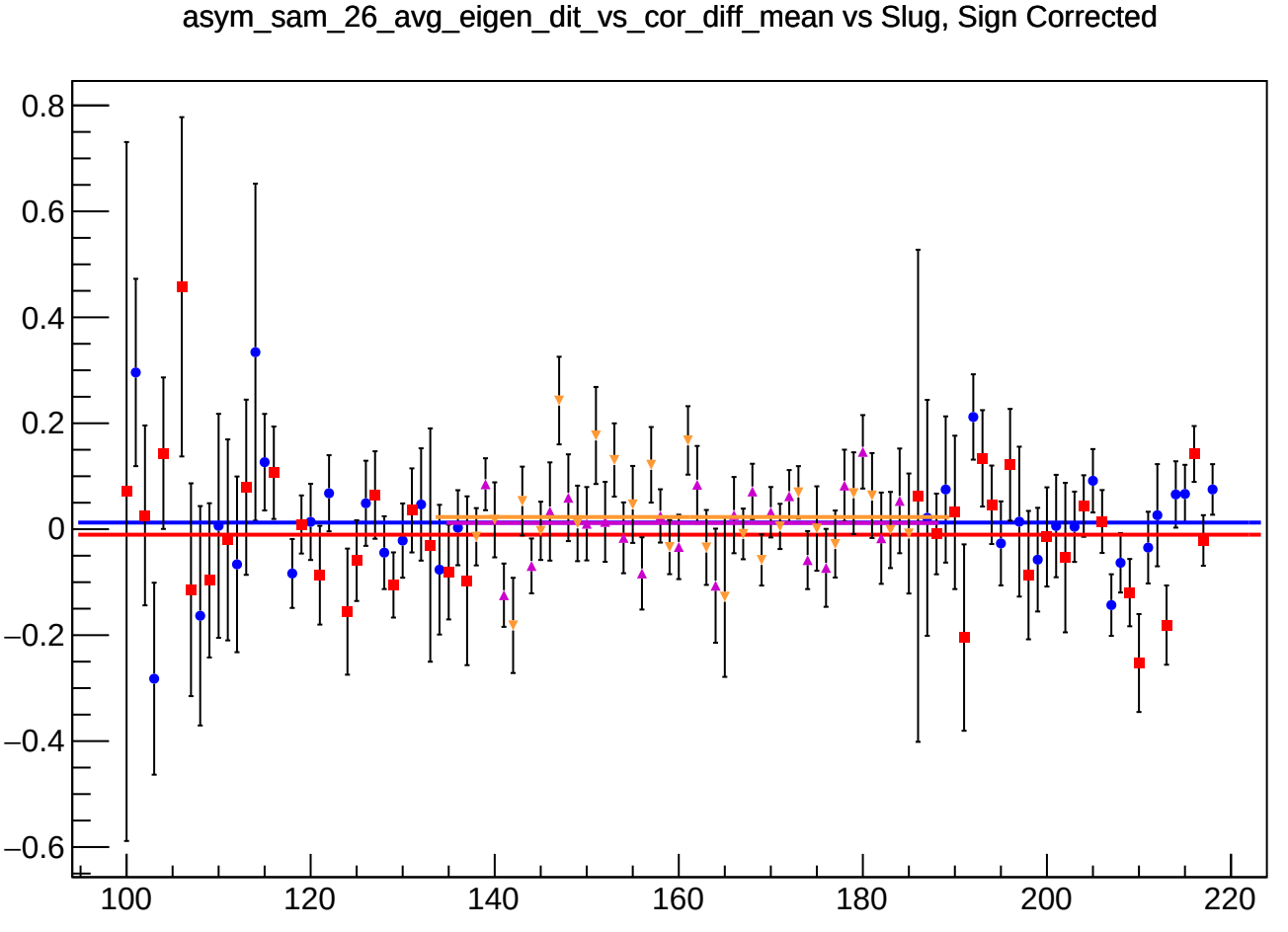
Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

Right: 0.002+/-0.000 χ^2/NDF: 30236554.0/67

In: 0.003+/-0.000 χ^2/NDF:15862364.2/54

Out: 0.002+/-0.000 χ^2/NDF:23620648.6/60

All: 0.002+/-0.000 χ^2/NDF: 40923475.5/115



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: -0.010+/-0.015 χ^2/NDF: 44.2/35

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

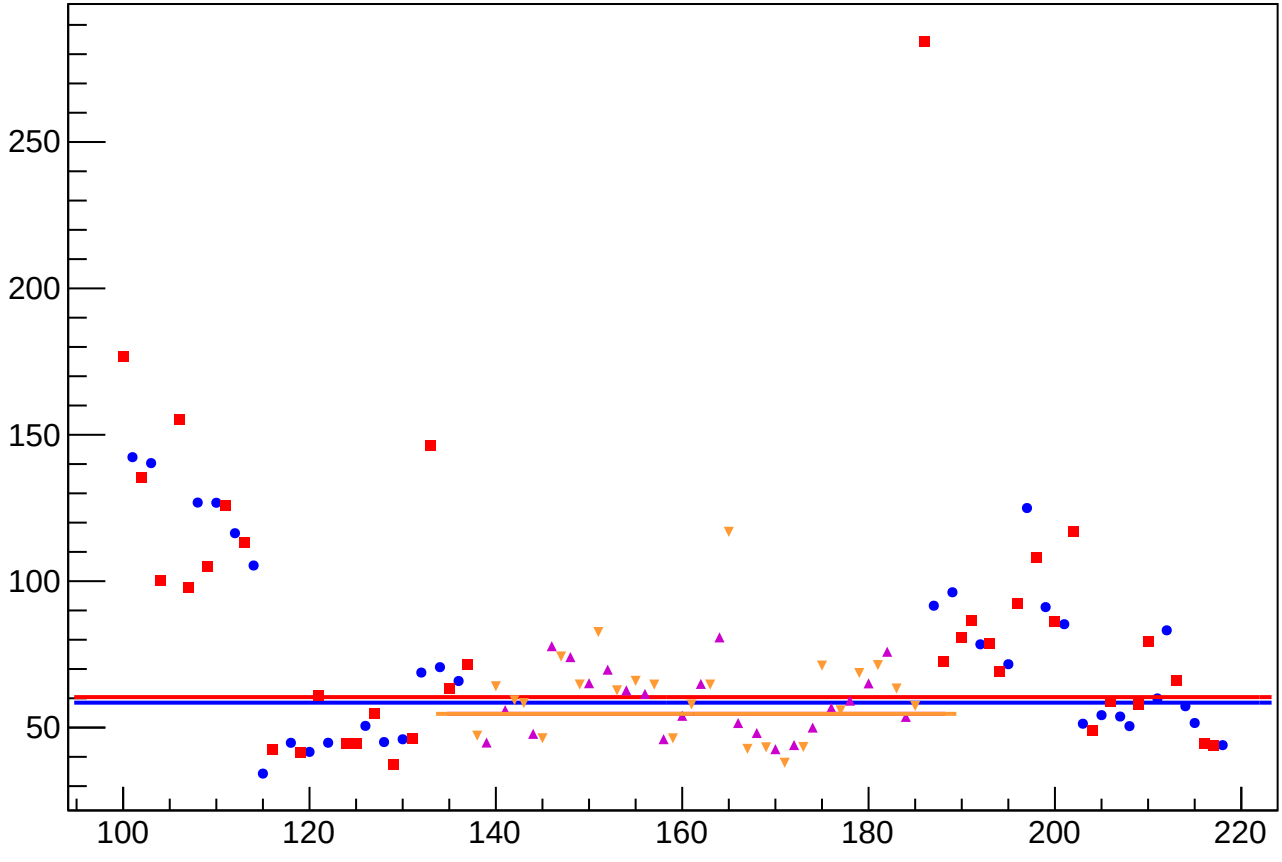
Right: 0.001+/-0.010 χ^2/NDF: 80.5/67

In: 0.012+/-0.010 χ^2/NDF:60.9/54

Out: 0.008+/-0.010 χ^2/NDF:81.3/60

All: 0.010+/-0.007 χ^2/NDF: 142.3/115

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: 60.404+/-0.010 χ^2/NDF: 4873831.0/35

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

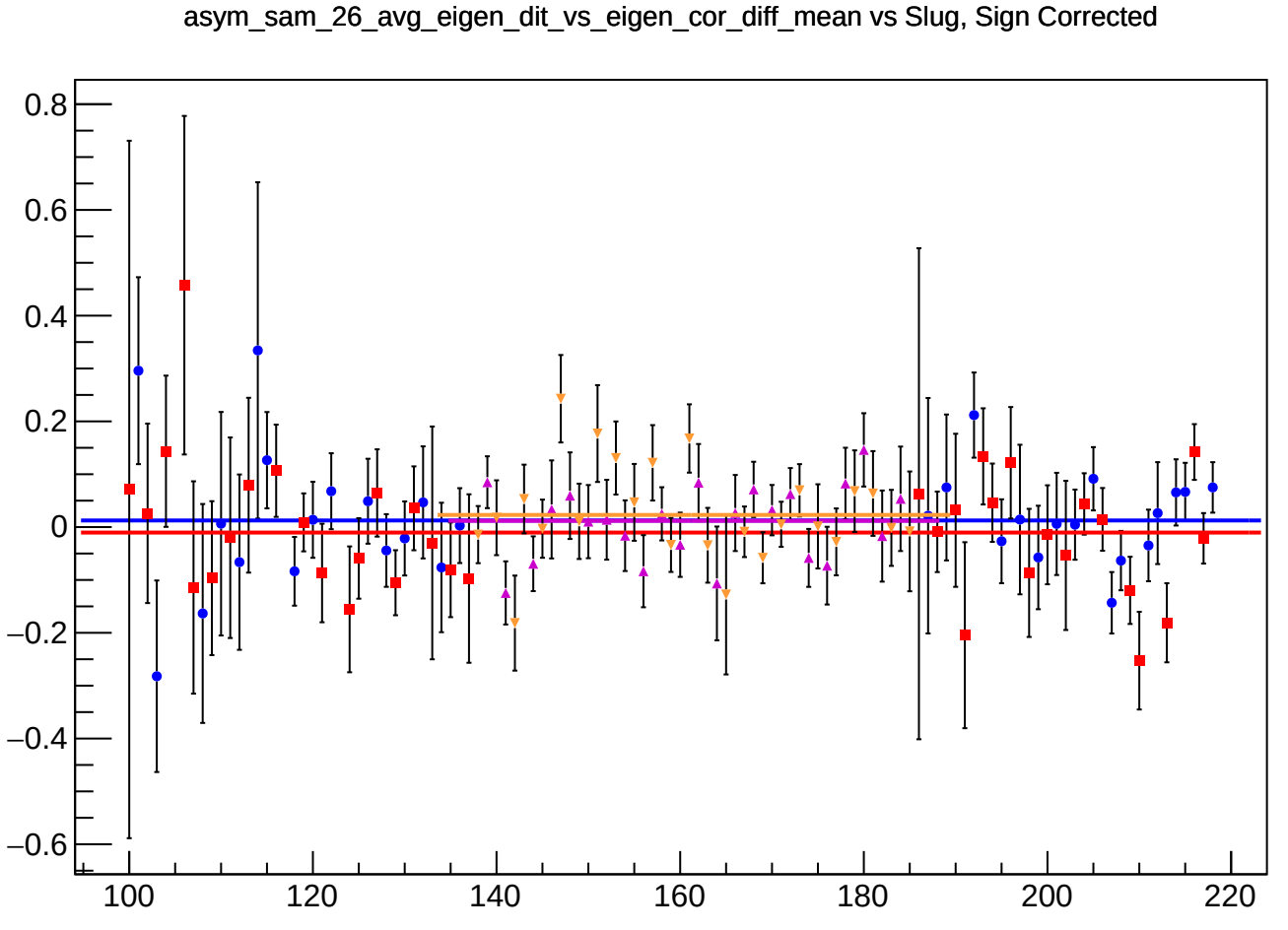
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 59.423+/-0.007 χ^2/NDF: 8719878.2/67

In: 56.463+/-0.007 χ^2/NDF:5096728.0/54

Out: 57.176+/-0.007 χ^2/NDF:6980670.3/60

All: 56.819+/-0.005 χ^2/NDF: 12082786.3/115



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: -0.010+/-0.015 χ^2/NDF: 44.2/35

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

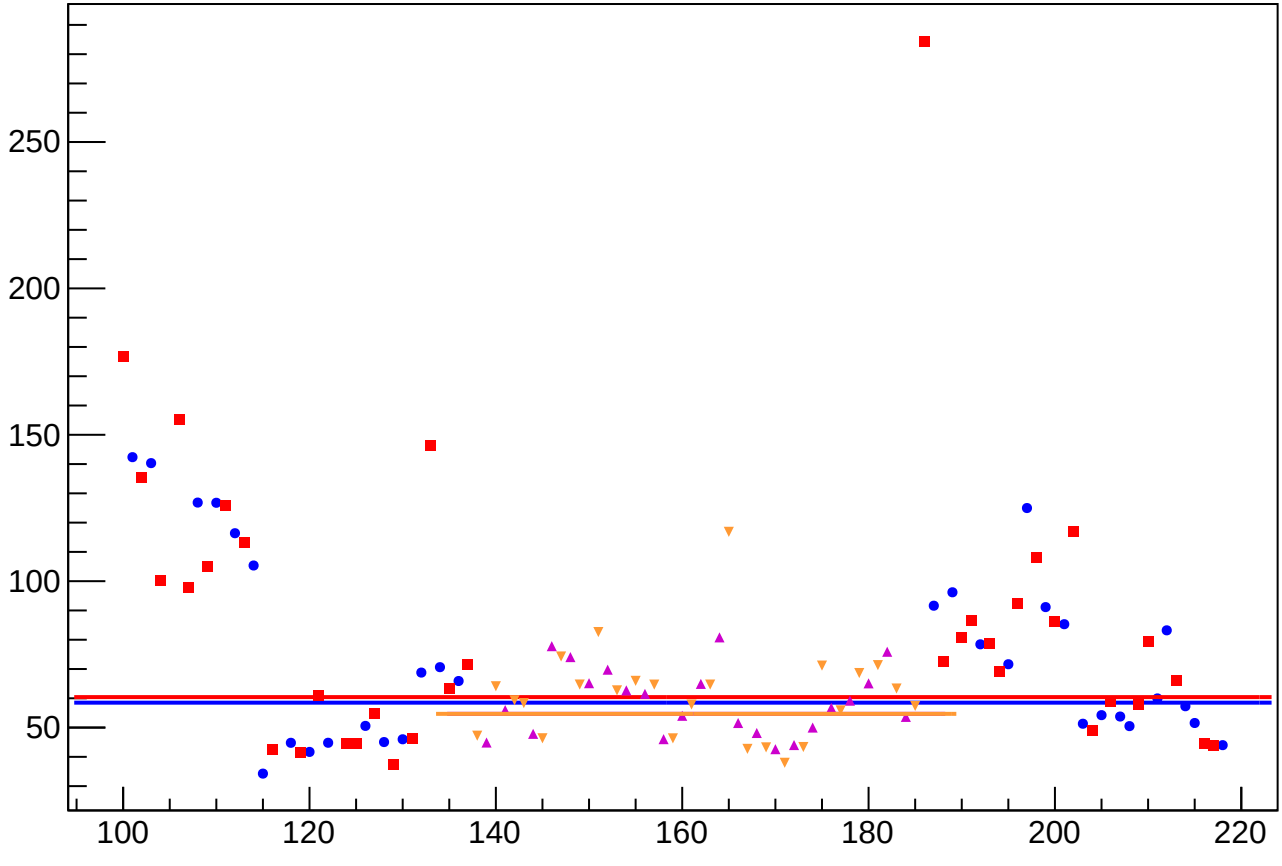
Right: 0.001+/-0.010 χ^2/NDF: 80.5/67

In: 0.012+/-0.010 χ^2/NDF:60.9/54

Out: 0.008+/-0.010 χ^2/NDF:81.3/60

All: 0.010+/-0.007 χ^2/NDF: 142.3/115

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: 60.404+/-0.010 χ^2/NDF: 4873831.0/35

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

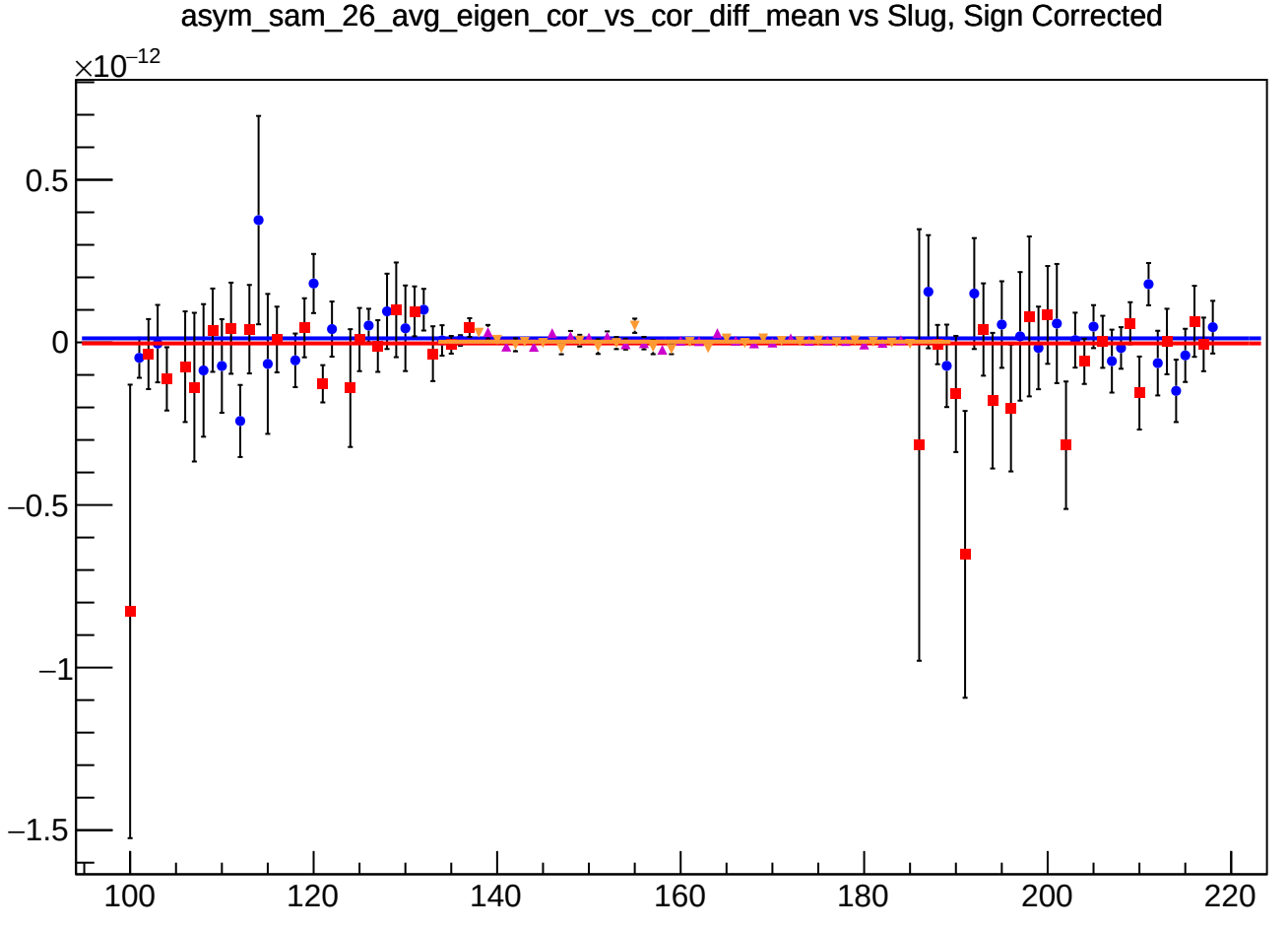
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 59.423+/-0.007 χ^2/NDF: 8719878.2/67

In: 56.463+/-0.007 χ^2/NDF:5096728.0/54

Out: 57.176+/-0.007 χ^2/NDF:6980670.3/60

All: 56.819+/-0.005 χ^2/NDF: 12082786.3/115



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: 26.2/35

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

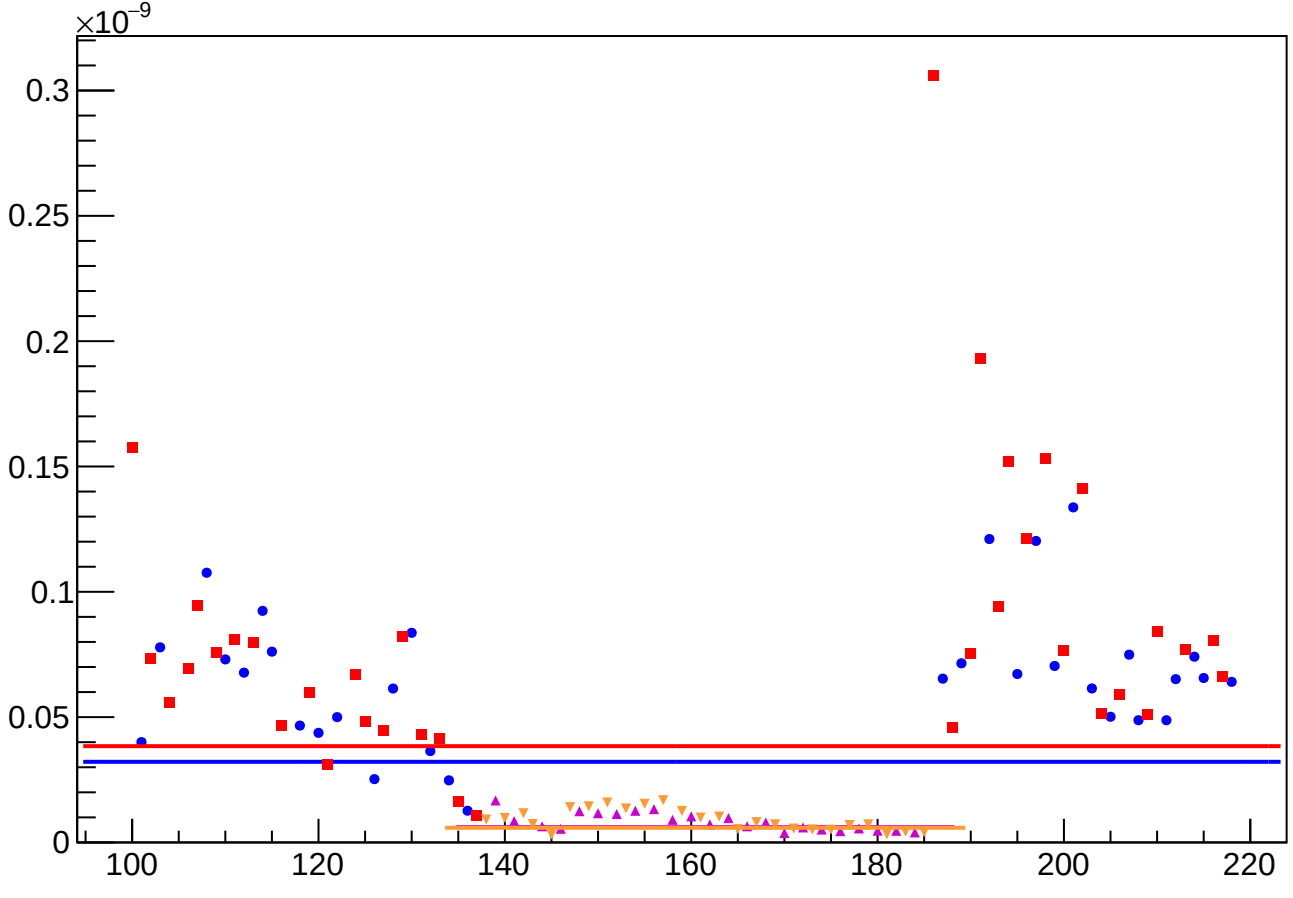
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 56.3/67

In: 0.000+/-0.000 χ^2/NDF:63.1/54

Out: 0.000+/-0.000 χ^2/NDF:47.0/60

All: 0.000+/-0.000 χ^2/NDF: 110.3/115



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: 9178335.6/35

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

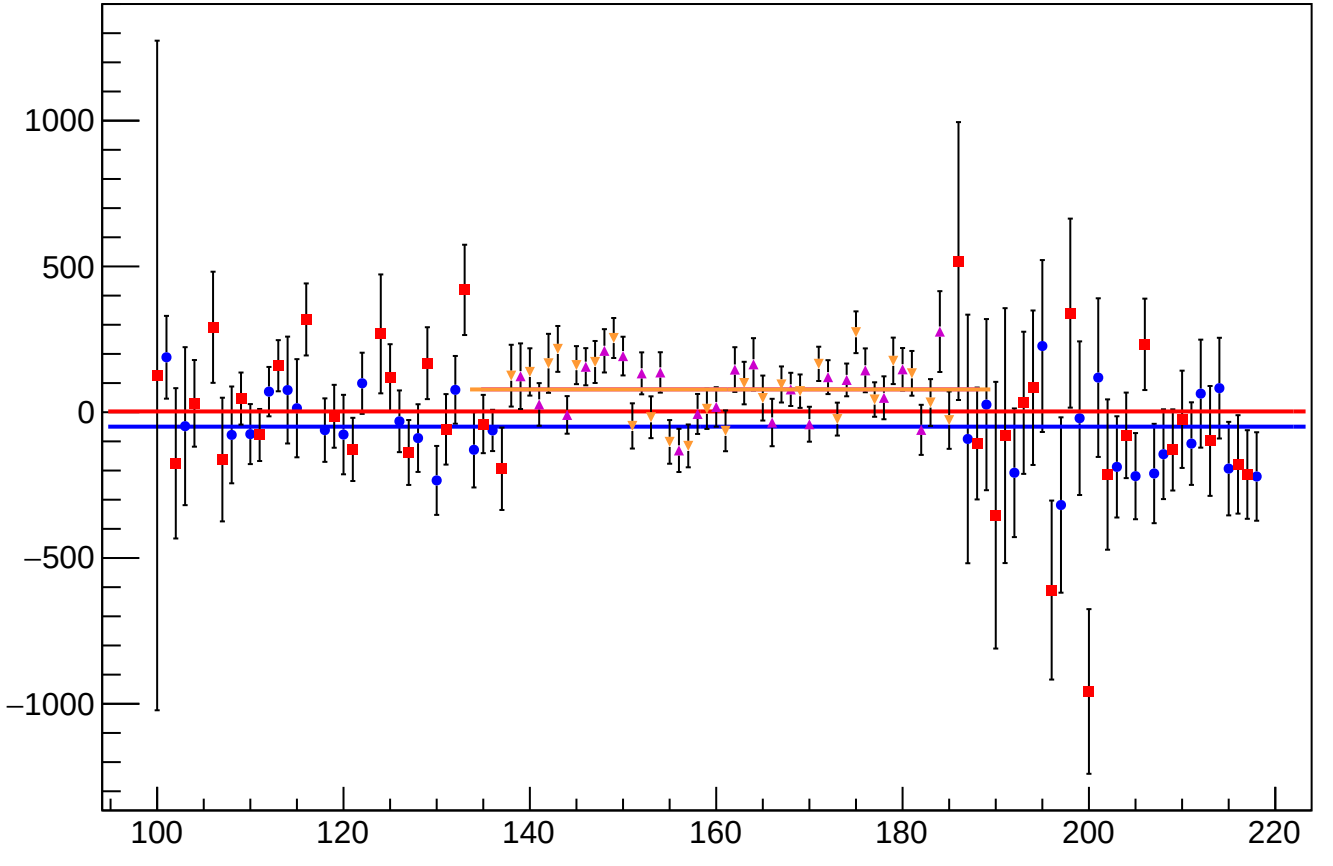
Right: 0.000+/-0.000 χ^2/NDF: 18600125.6/67

In: 0.000+/-0.000 χ^2/NDF:22675727.5/54

Out: 0.000+/-0.000 χ^2/NDF:26516199.0/60

All: 0.000+/-0.000 χ^2/NDF: 49230331.4/115

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: 2.702+/-24.717 χ^2/NDF: 57.9/35

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

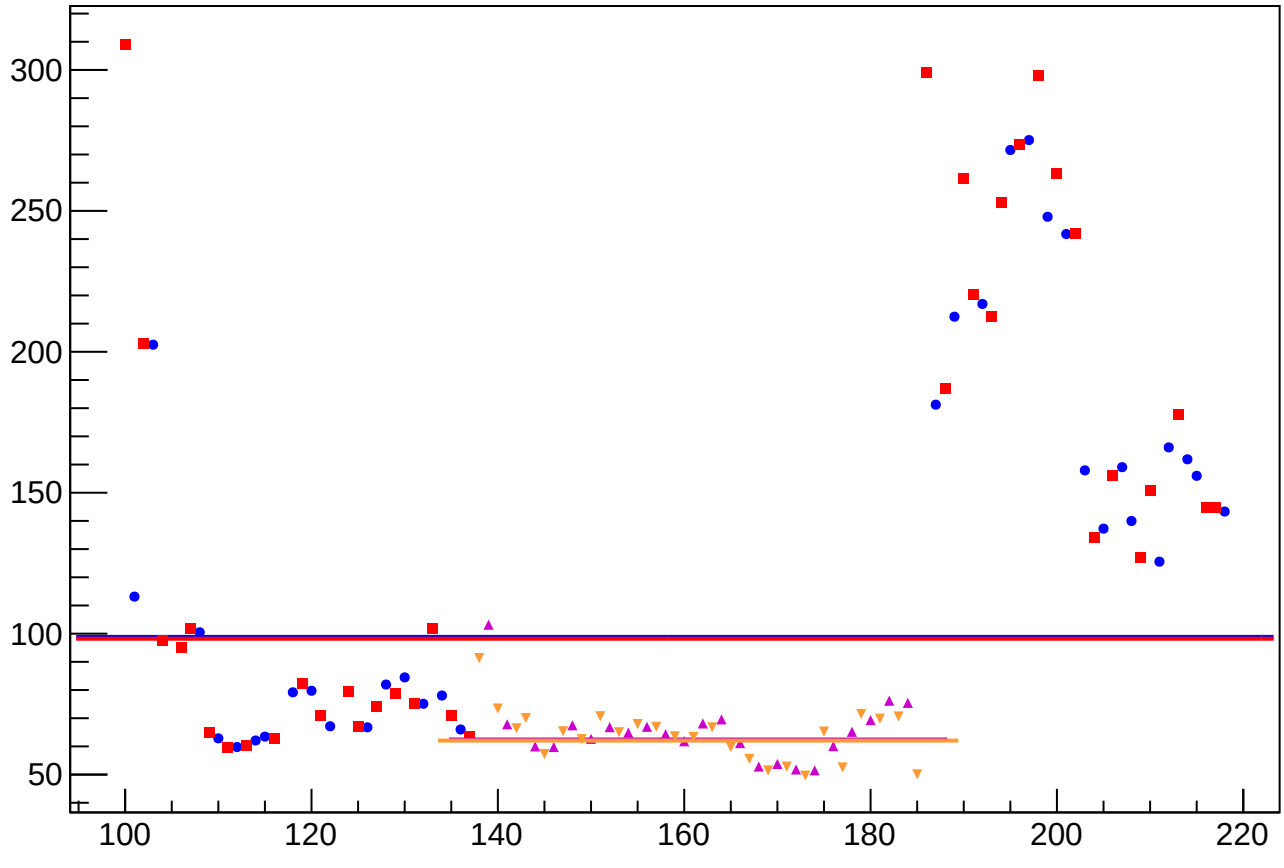
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: -23.387+/-17.483 χ^2/NDF: 80.9/67

In: 44.714+/-12.707 χ^2/NDF:77.2/54

Out: 59.186+/-12.394 χ^2/NDF:118.7/60

All: 52.130+/-8.873 χ^2/NDF: 196.6/115



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: 98.207+/-0.017 χ^2/NDF: 8809420.9/35

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

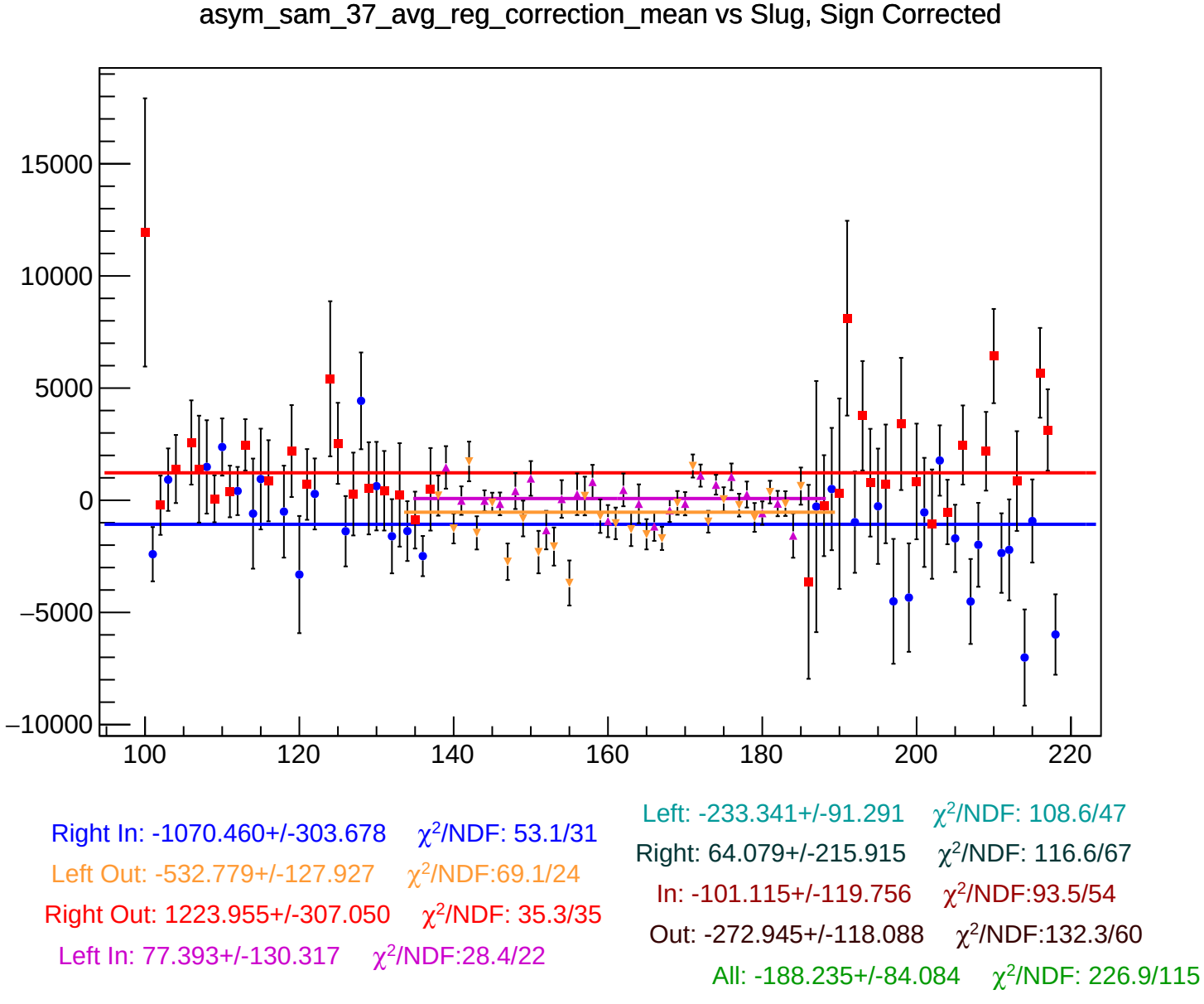
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

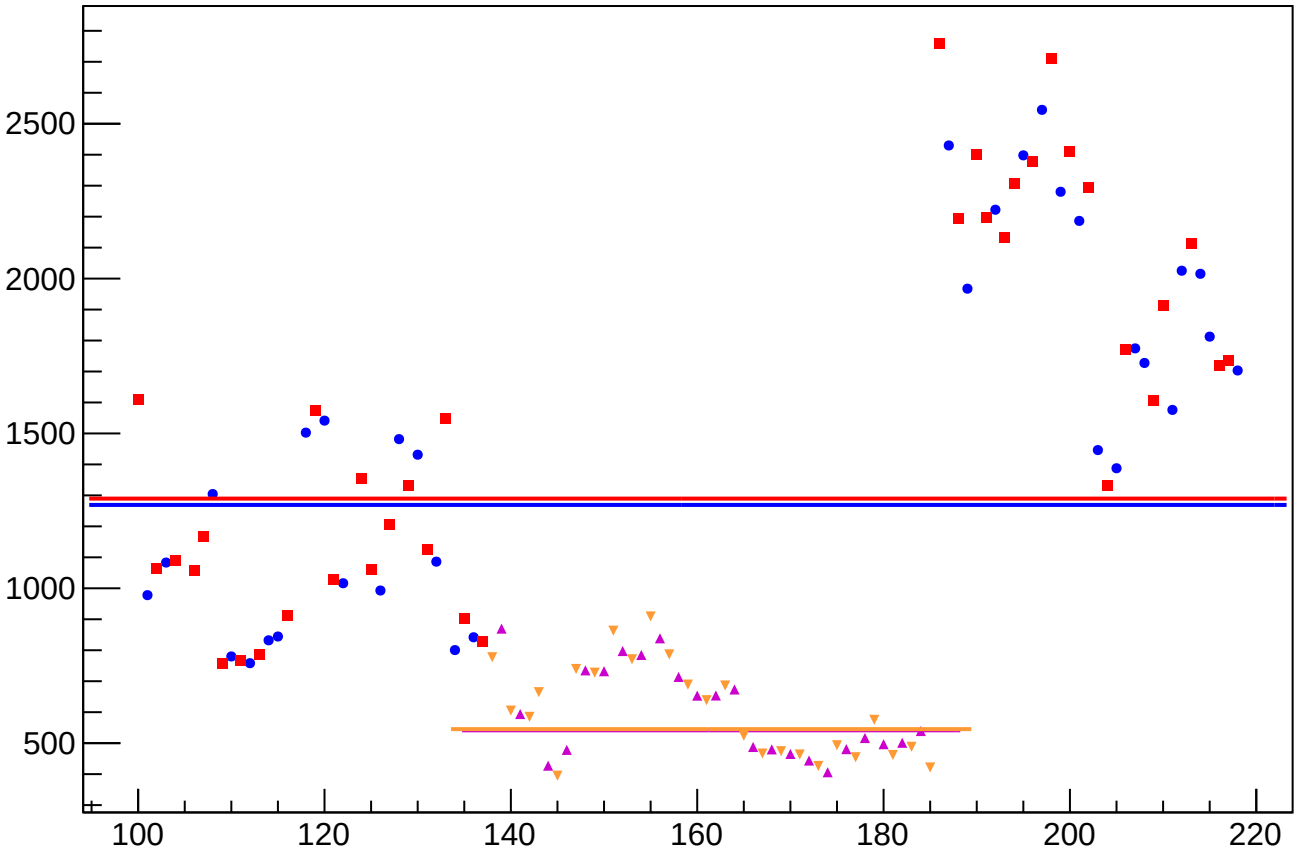
Right: 98.533+/-0.012 χ^2/NDF: 16371228.4/67

In: 72.057+/-0.009 χ^2/NDF:11416729.9/54

Out: 71.151+/-0.009 χ^2/NDF:12697301.2/60

All: 71.593+/-0.006 χ^2/NDF: 24119245.3/115


asym_sam_37_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1070.460+/-303.678 χ²/NDF: 53.1/31
Left Out: -532.779+/-127.927 χ²/NDF:69.1/24
Right Out: 1223.955+/-307.050 χ²/NDF: 35.3/35
Left In: 77.393+/-130.317 χ²/NDF:28.4/22
Left: -233.341+/-91.291 χ²/NDF: 108.6/47
Right: 64.079+/-215.915 χ²/NDF: 116.6/67
In: -101.115+/-119.756 χ²/NDF:93.5/54
Out: -272.945+/-118.088 χ²/NDF:132.3/60
All: -188.235+/-84.084 χ²/NDF: 226.9/115



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: 1289.632+/-0.217 χ^2/NDF: 5799157.9/35

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

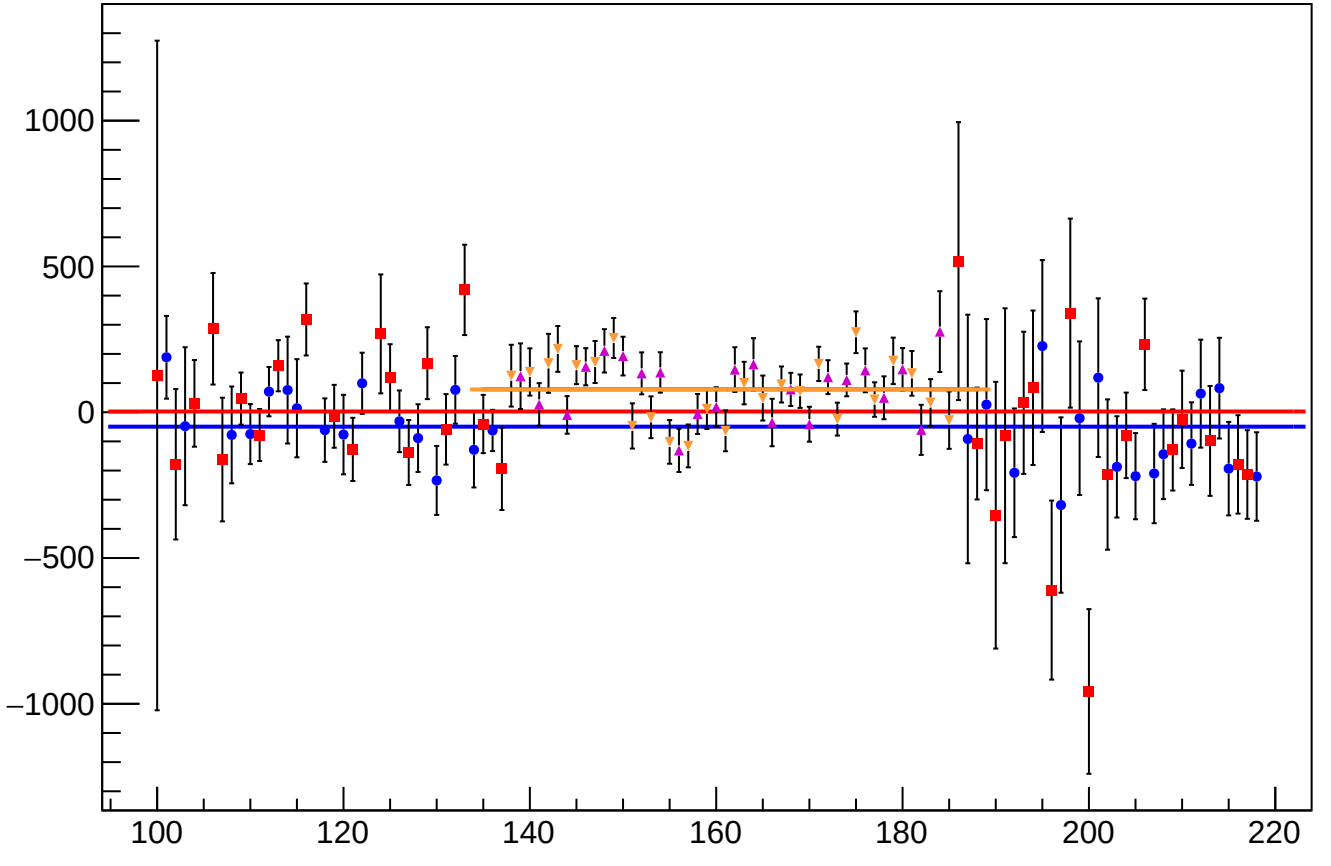
Right: 1279.306+/-0.153 χ^2/NDF: 10889222.2/67

In: 654.633+/-0.085 χ^2/NDF:16625608.3/54

Out: 655.396+/-0.084 χ^2/NDF:17897273.0/60

All: 655.019+/-0.059 χ^2/NDF: 34522922.5/11

cor_asym_sam_37_avg_mean vs Slug, Sign Corrected



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: 2.549+/-24.719 χ^2/NDF: 57.8/35

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

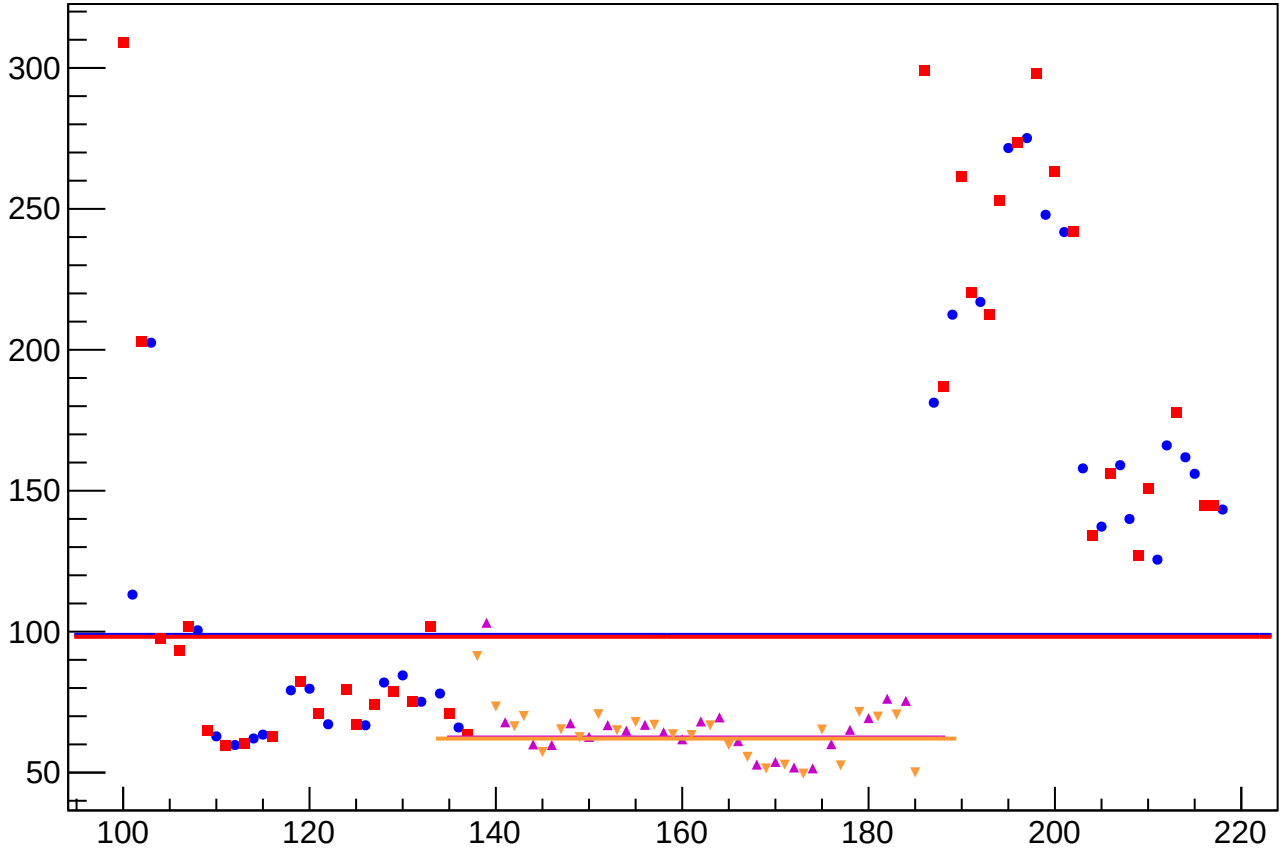
Right: -23.469+/-17.484 χ^2/NDF: 80.8/67

In: 44.713+/-12.707 χ^2/NDF:77.2/54

Out: 59.152+/-12.395 χ^2/NDF:118.7/60

All: 52.112+/-8.873 χ^2/NDF: 196.6/115

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: 98.179+/-0.017 χ^2/NDF: 8810384.8/35

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

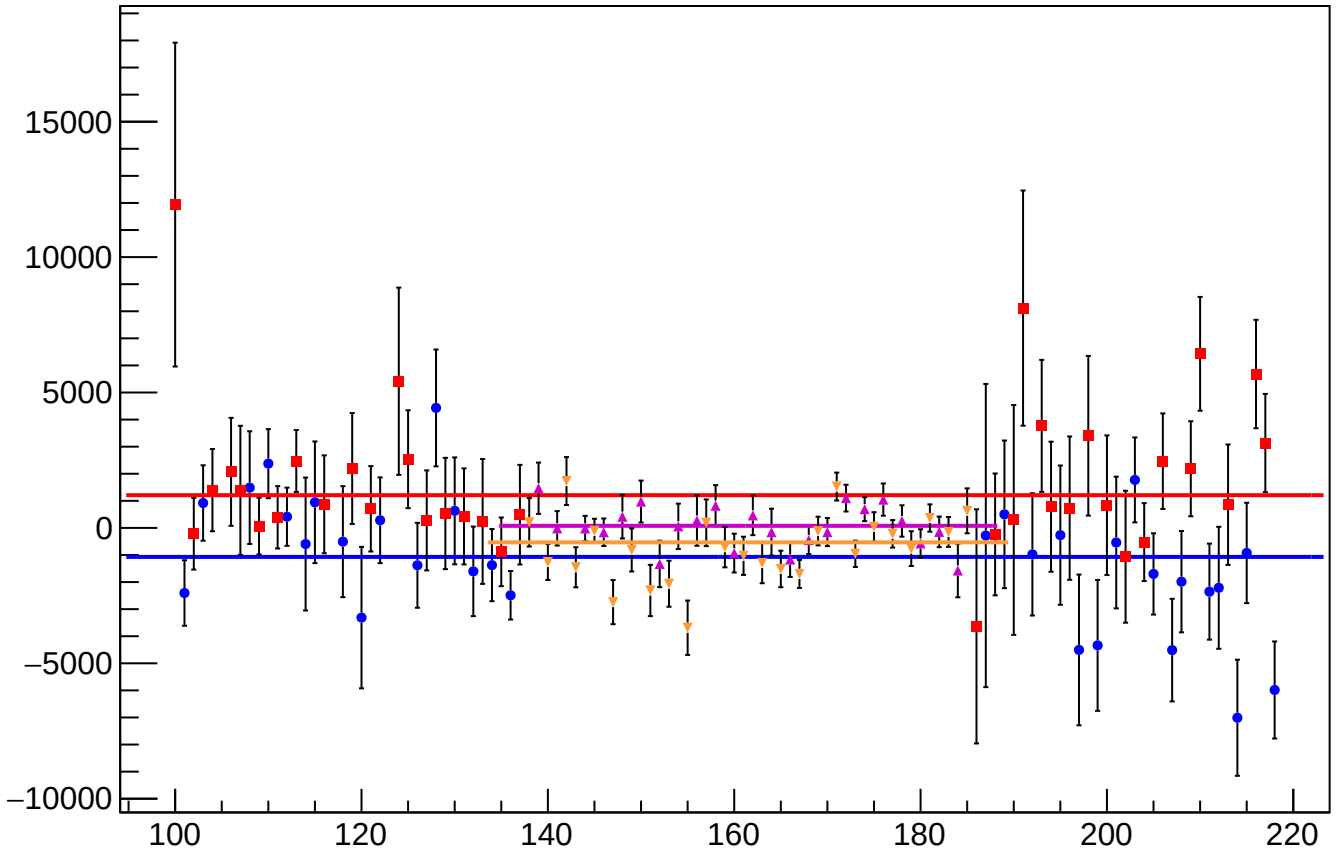
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 98.519+/-0.012 χ^2/NDF: 16372255.4/67

In: 72.057+/-0.009 χ^2/NDF:11416731.9/54

Out: 71.143+/-0.009 χ^2/NDF:12692965.1/60

All: 71.589+/-0.006 χ^2/NDF: 24115004.0/115



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: 1208.337+/-307.529 χ^2/NDF: 34.9/35

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

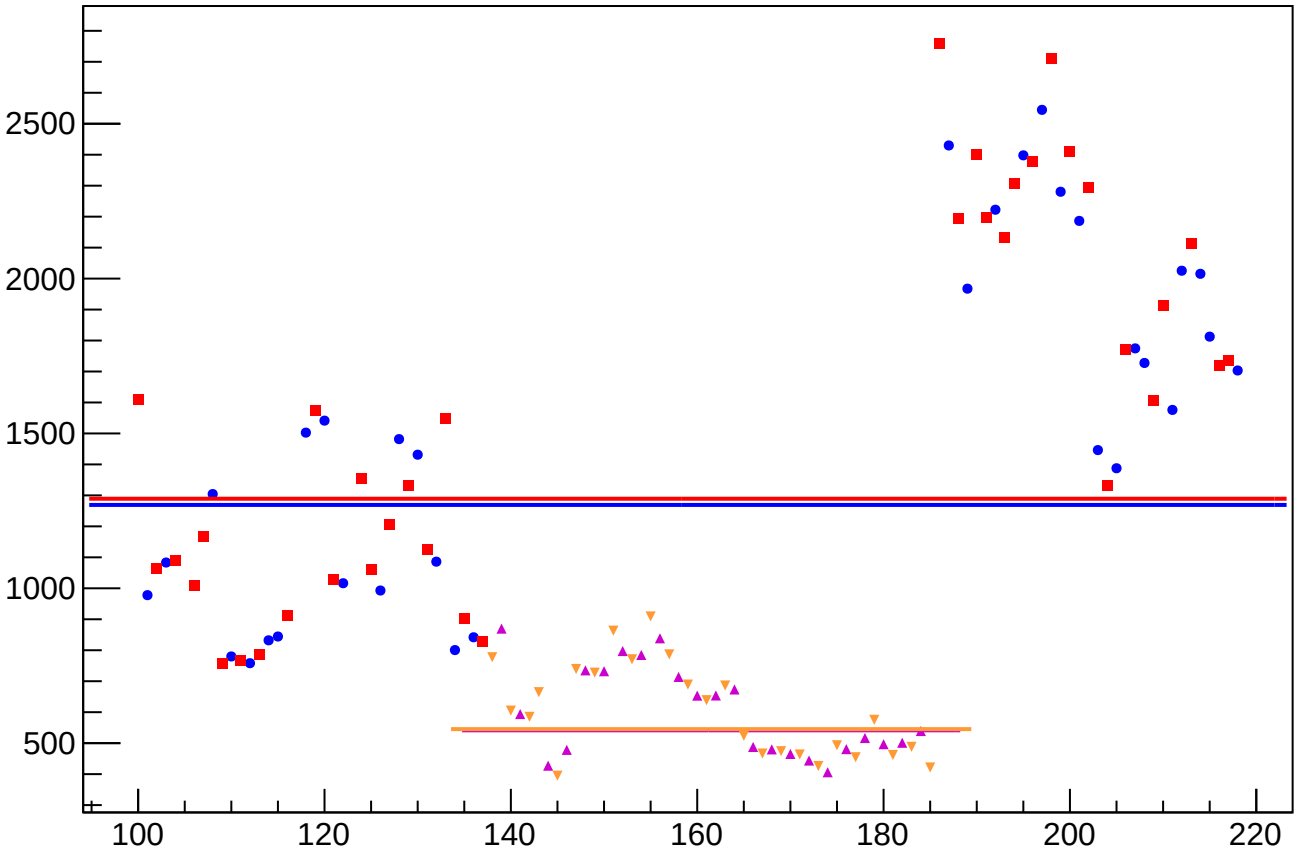
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 54.590+/-216.082 χ^2/NDF: 115.9/67

In: -101.113+/-119.756 χ^2/NDF:93.5/54

Out: -275.936+/-118.115 χ^2/NDF:131.4/60

All: -189.731+/-84.094 χ^2/NDF: 226.0/115



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: 1289.252+/-0.217 χ^2/NDF: 5807619.1/35

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

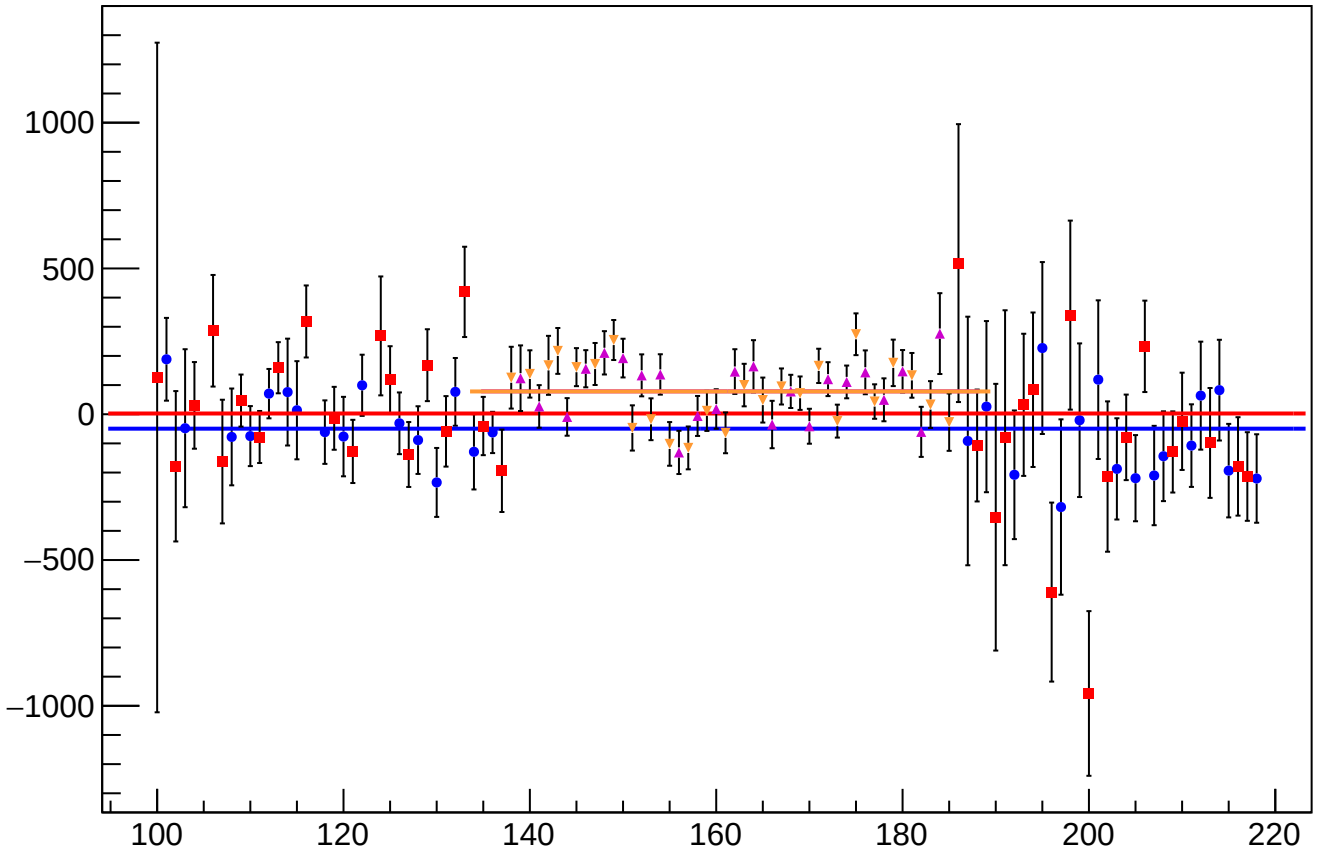
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1279.106+/-0.153 χ^2/NDF: 10897465.7/67

In: 654.633+/-0.085 χ^2/NDF:16625663.0/54

Out: 655.048+/-0.084 χ^2/NDF:17869005.7/60

All: 654.843+/-0.059 χ^2/NDF: 34494680.8/11



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: 2.549+/-24.719 χ^2/NDF: 57.8/35

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

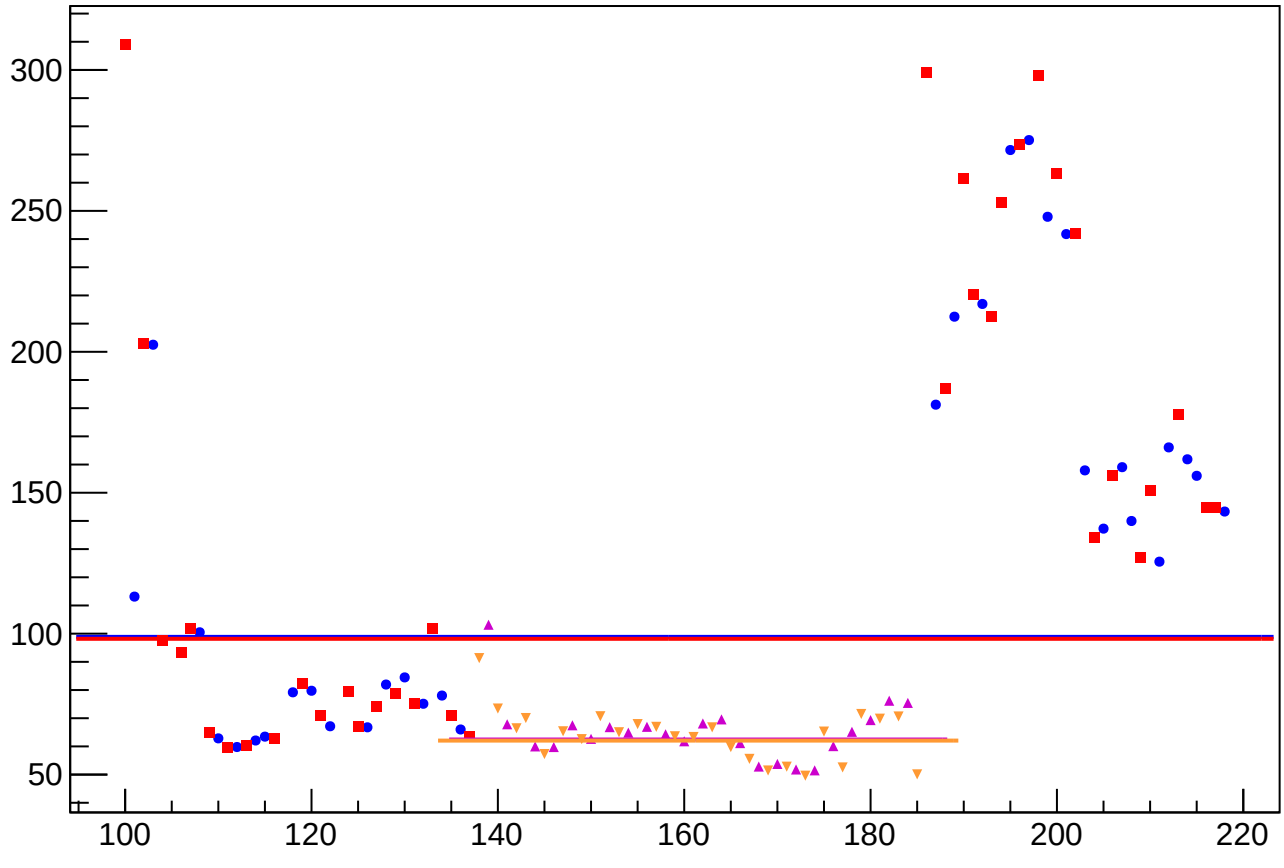
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -23.469+/-17.484 χ^2/NDF: 80.8/67

In: 44.713+/-12.707 χ^2/NDF:77.2/54

Out: 59.152+/-12.395 χ^2/NDF:118.7/60

All: 52.112+/-8.873 χ^2/NDF: 196.6/115



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: 98.179+/-0.017 χ^2/NDF: 8810384.8/35

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

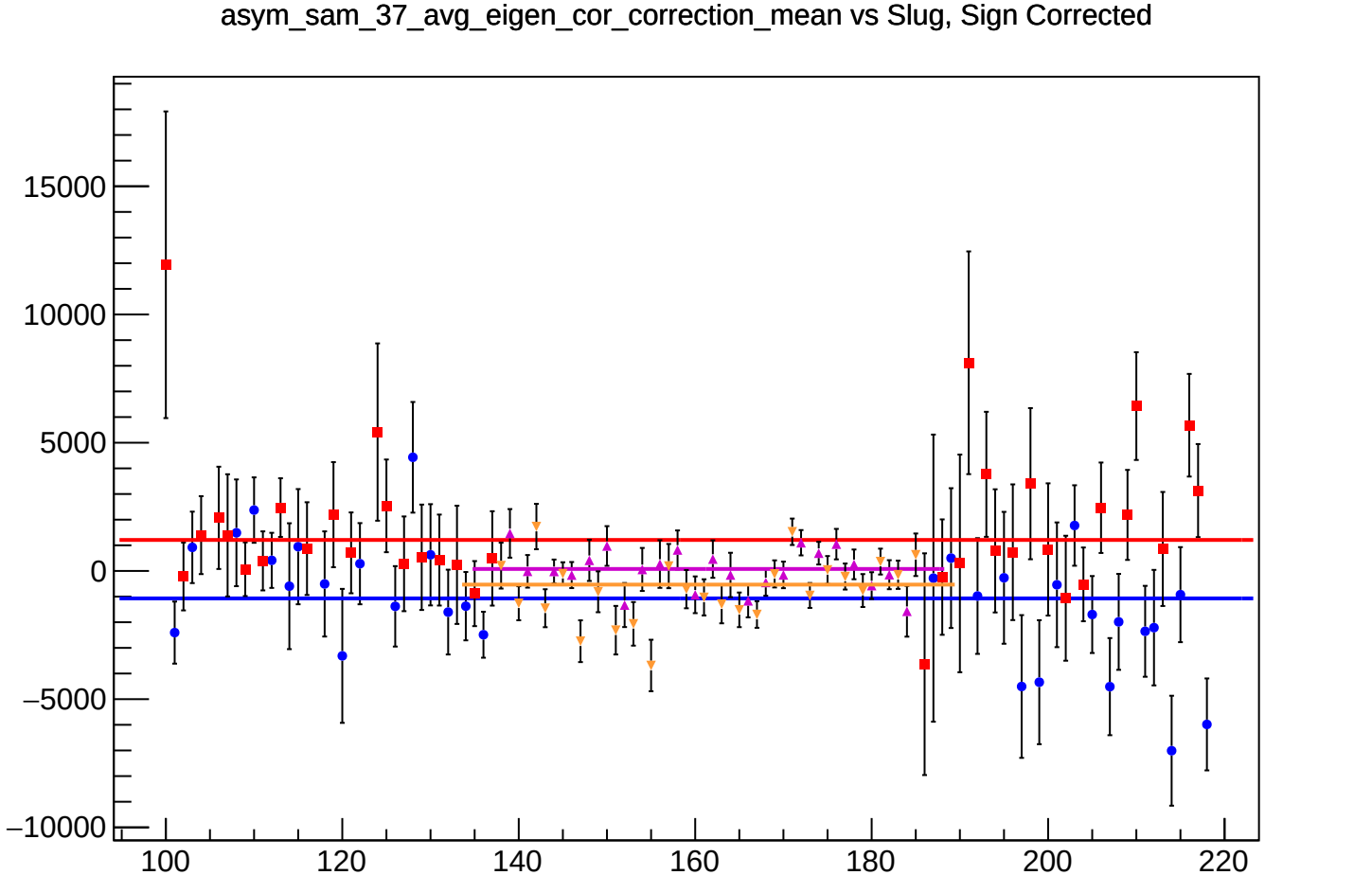
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 98.519+/-0.012 χ^2/NDF: 16372255.4/67

In: 72.057+/-0.009 χ^2/NDF:11416731.9/54

Out: 71.143+/-0.009 χ^2/NDF:12692965.1/60

All: 71.589+/-0.006 χ^2/NDF: 24115004.0/115



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: 1208.337+/-307.529 χ^2/NDF: 34.9/35

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

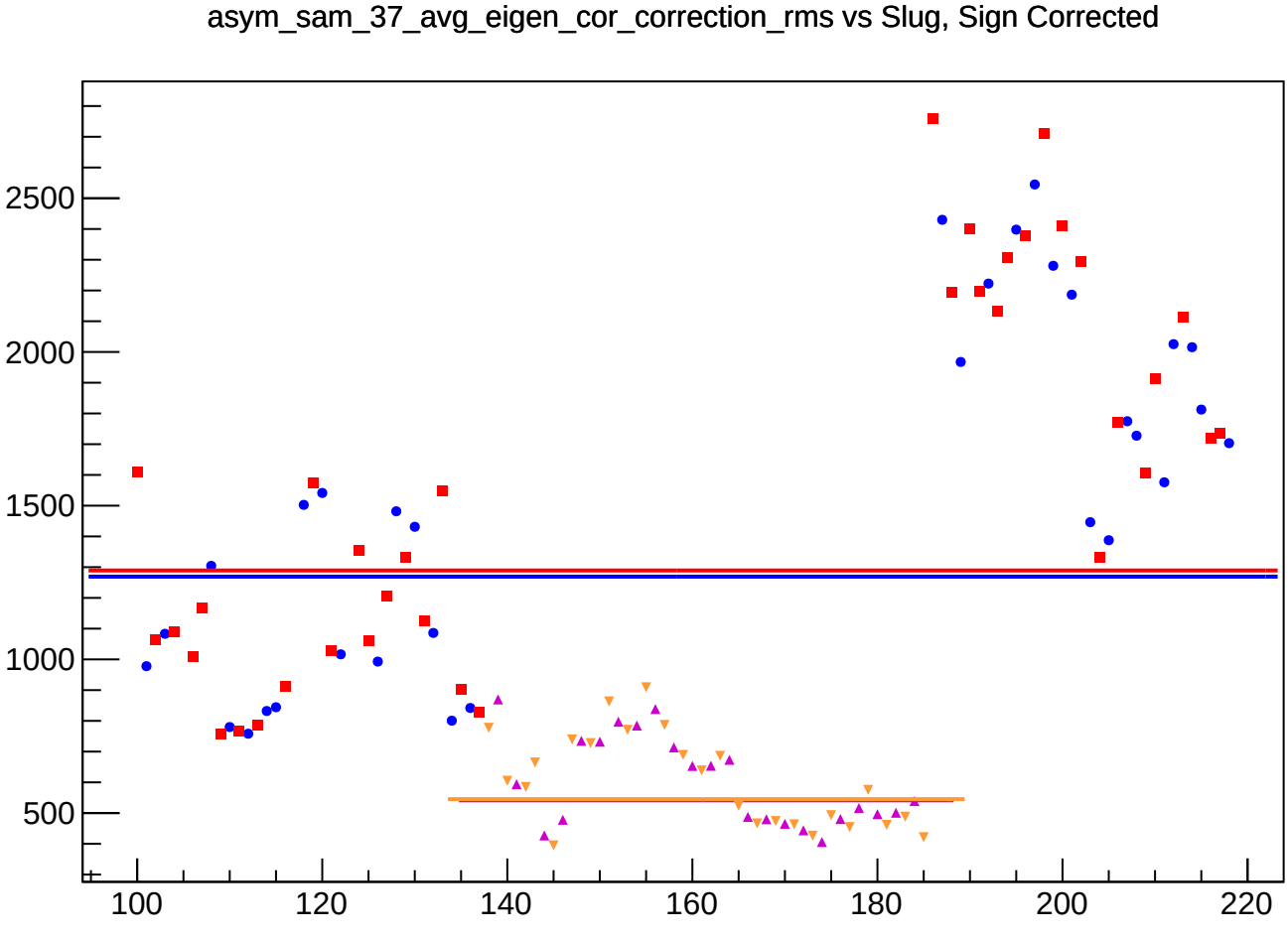
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 54.590+/-216.082 χ^2/NDF: 115.9/67

In: -101.113+/-119.756 χ^2/NDF:93.5/54

Out: -275.936+/-118.115 χ^2/NDF:131.4/60

All: -189.731+/-84.094 χ^2/NDF: 226.0/115



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: 1289.252+/-0.217 χ^2/NDF: 5807619.1/35

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

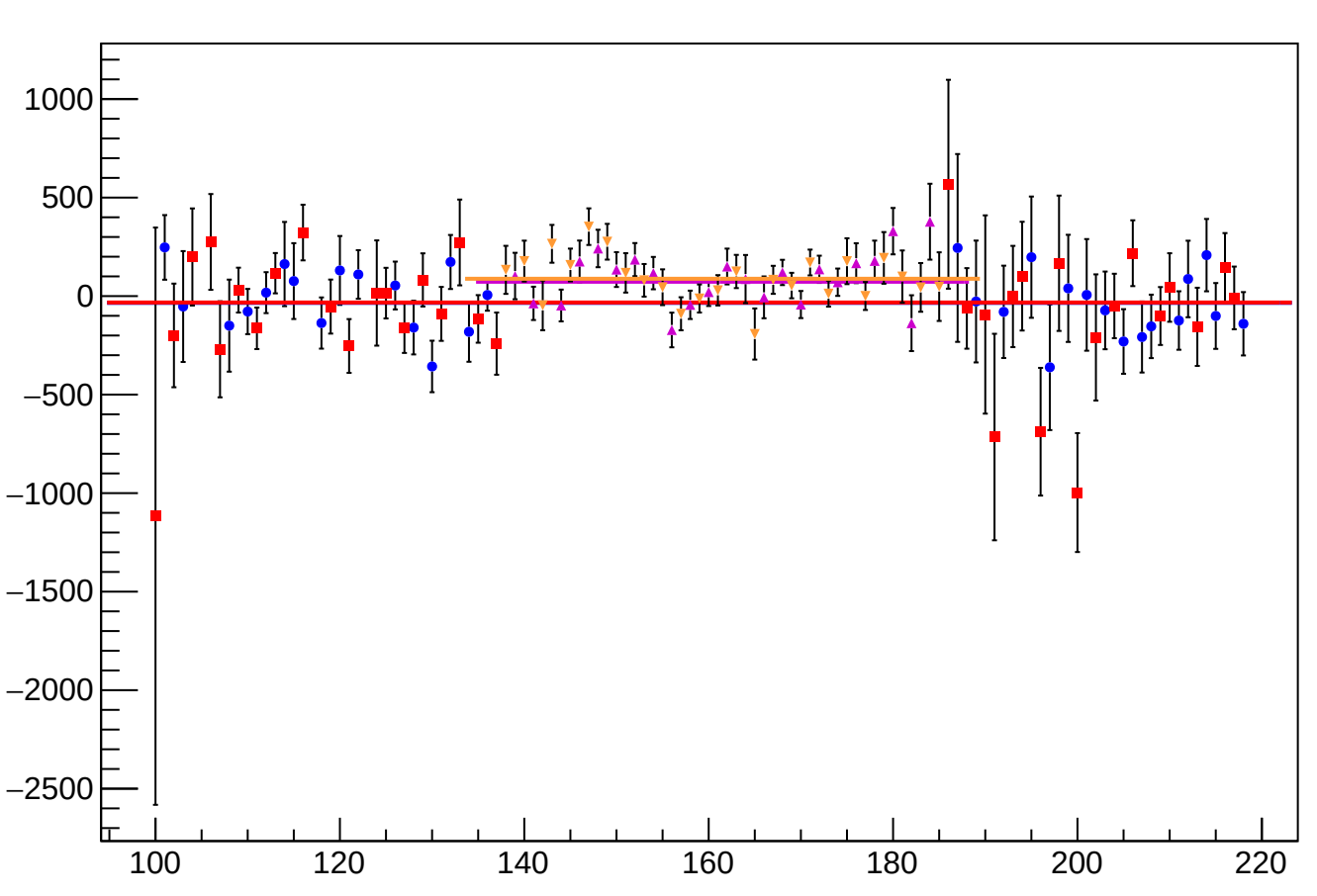
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1279.106+/-0.153 χ^2/NDF: 10897465.7/67

In: 654.633+/-0.085 χ^2/NDF:16625663.0/54

Out: 655.048+/-0.084 χ^2/NDF:17869005.7/60

All: 654.843+/-0.059 χ^2/NDF: 34494680.8/11



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: -32.432+/-28.713 χ^2/NDF: 45.9/35

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

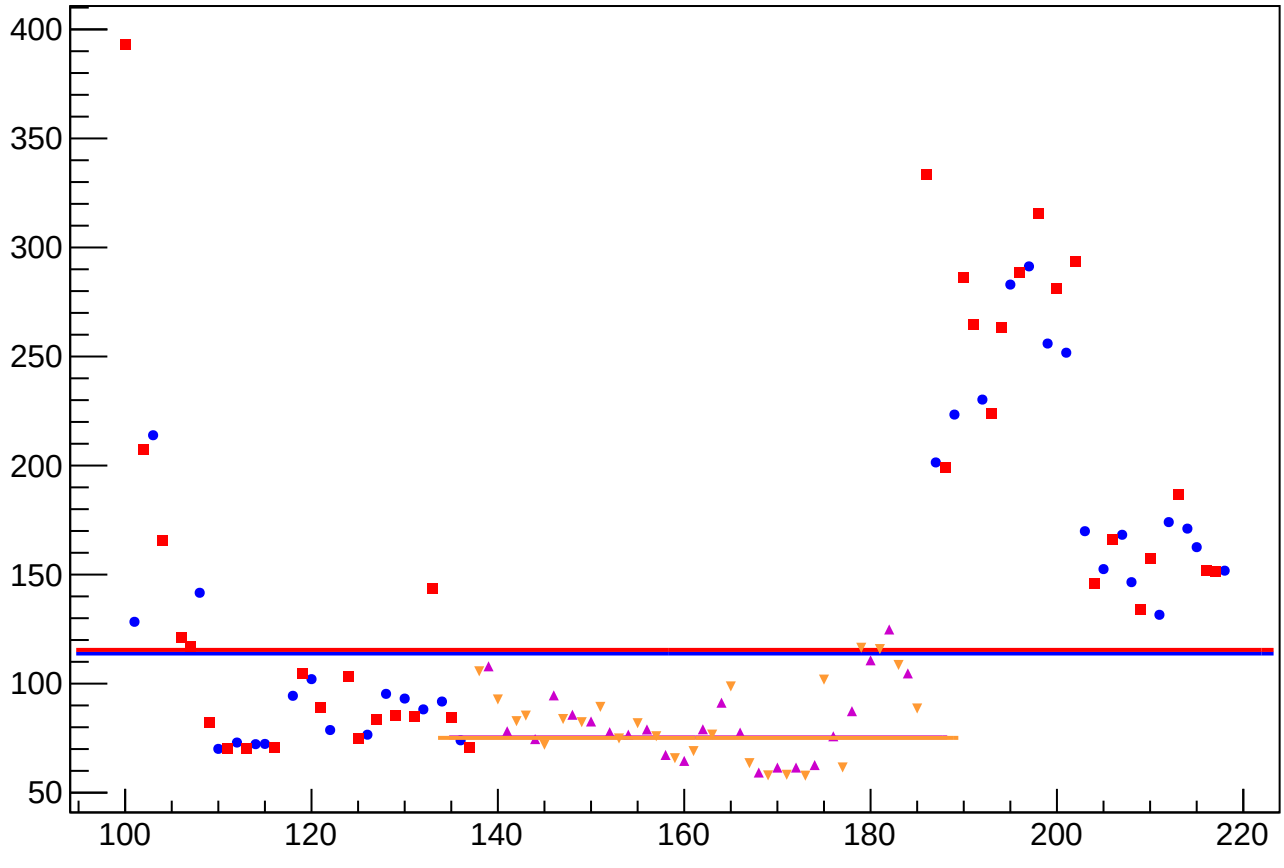
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -33.474+/-20.088 χ^2/NDF: 72.6/67

In: 40.968+/-15.323 χ^2/NDF:75.4/54

Out: 54.744+/-15.095 χ^2/NDF:95.6/60

All: 47.960+/-10.753 χ^2/NDF: 171.4/115



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: 115.472+/-0.020 χ^2/NDF: 7776942.9/35

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

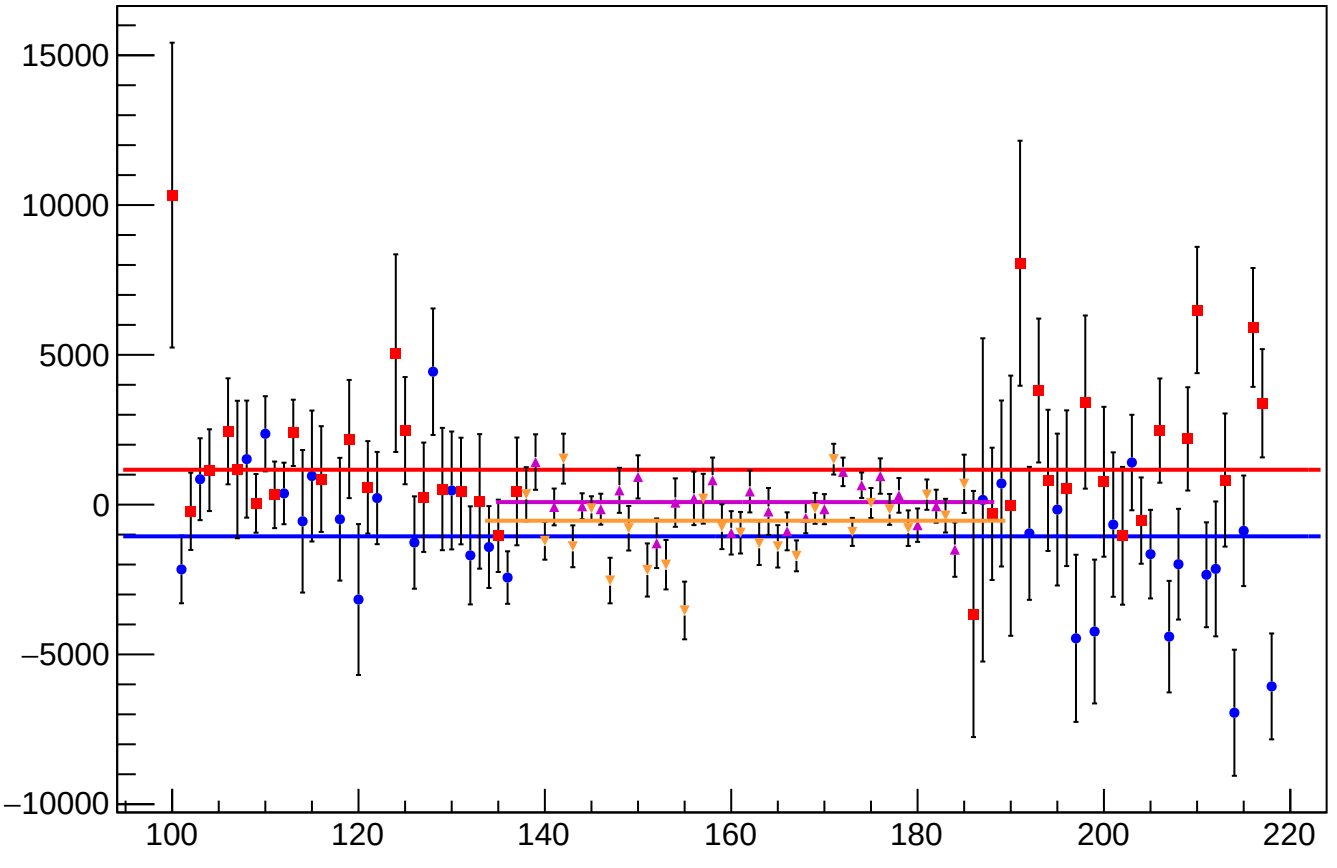
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

Right: 114.623+/-0.014 χ^2/NDF: 14241001.4/67

In: 86.783+/-0.011 χ^2/NDF:10315063.6/54

Out: 86.278+/-0.011 χ^2/NDF:12235775.8/60

All: 86.527+/-0.008 χ^2/NDF: 22551943.0/115



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: 1164.170+/-297.580 χ^2/NDF: 38.2/35

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

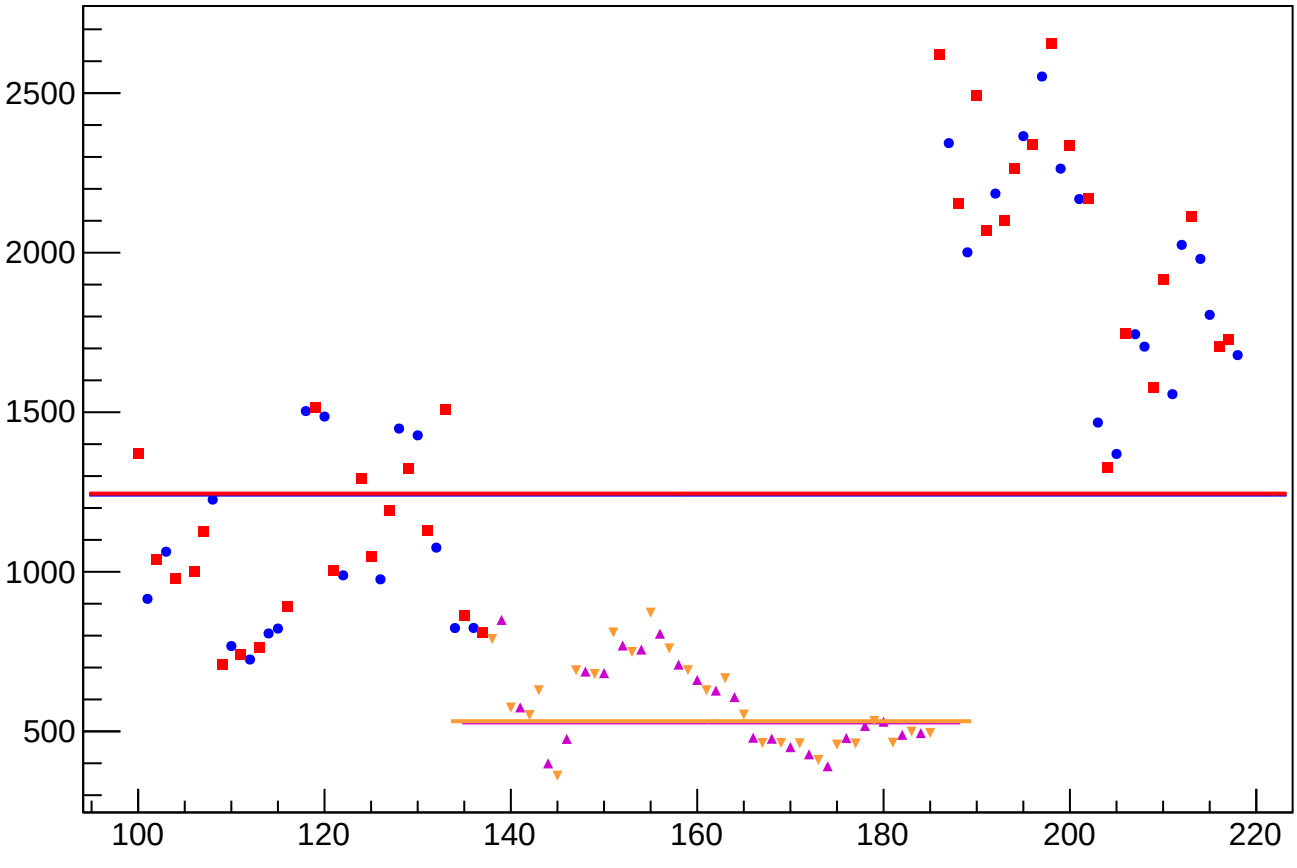
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 53.733+/-210.506 χ^2/NDF: 119.1/67

In: -91.316+/-116.852 χ^2/NDF:92.9/54

Out: -283.508+/-114.831 χ^2/NDF:133.1/60

All: -189.089+/-81.903 χ^2/NDF: 227.4/115



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: 1245.022+/-0.210 χ^2/NDF: 6092117.8/35

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

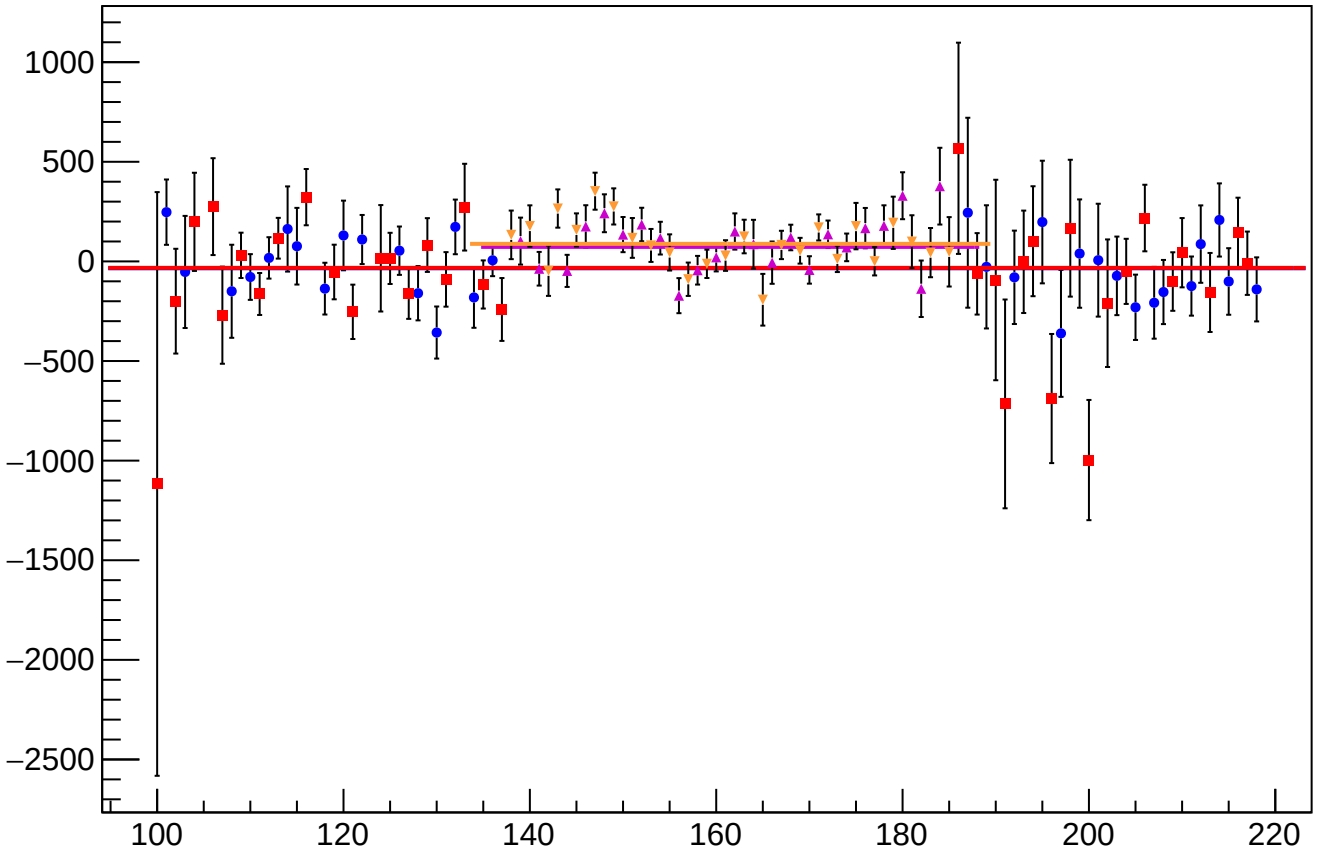
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1243.487+/-0.149 χ^2/NDF: 11365309.1/67

In: 637.897+/-0.083 χ^2/NDF:16798111.5/54

Out: 638.064+/-0.081 χ^2/NDF:17905877.5/60

All: 637.982+/-0.058 χ^2/NDF: 34703991.0/11



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: -32.436+/-28.713 χ^2/NDF: 45.9/35

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

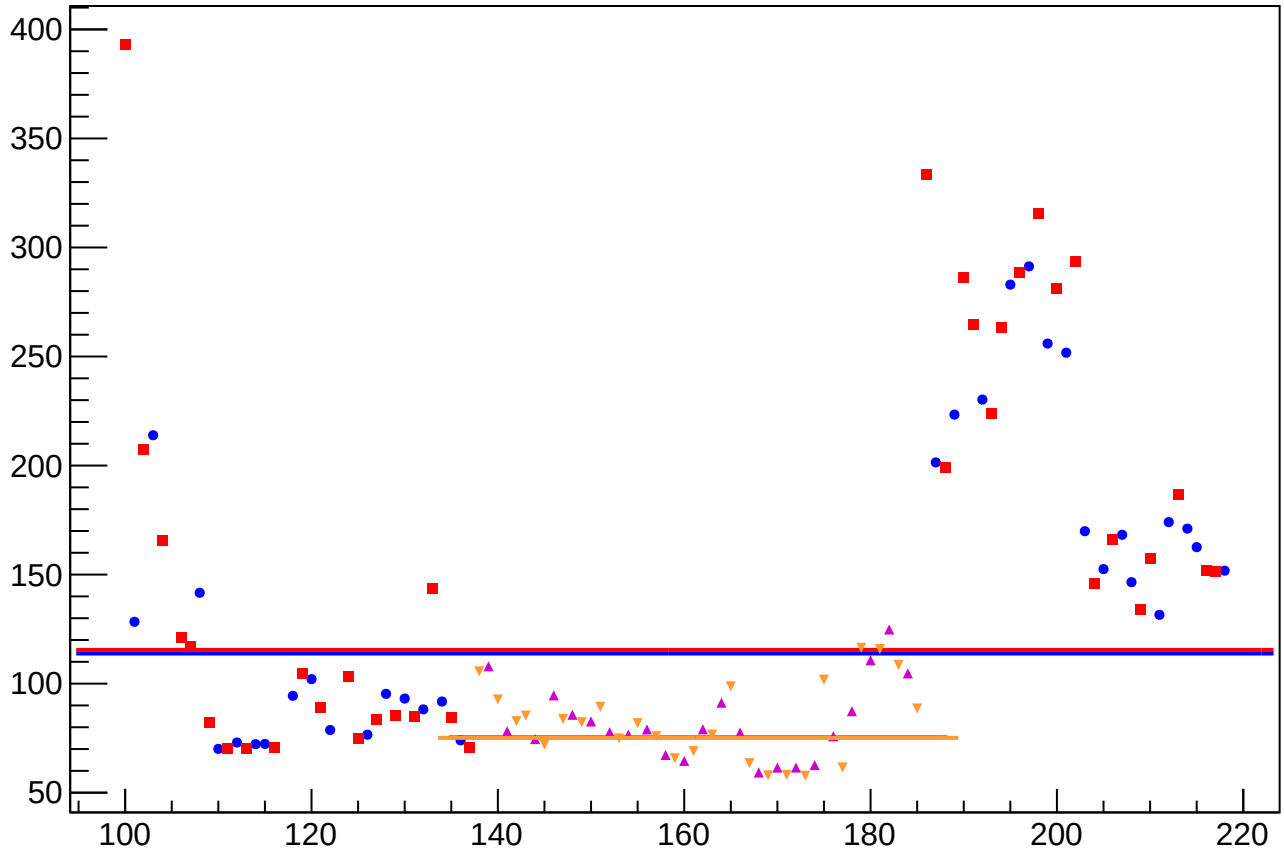
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -33.476+/-20.088 χ^2/NDF: 72.6/67

In: 40.968+/-15.323 χ^2/NDF:75.4/54

Out: 54.744+/-15.095 χ^2/NDF:95.6/60

All: 47.959+/-10.753 χ^2/NDF: 171.4/115



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: 115.473+/-0.020 χ^2/NDF: 7776893.3/35

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

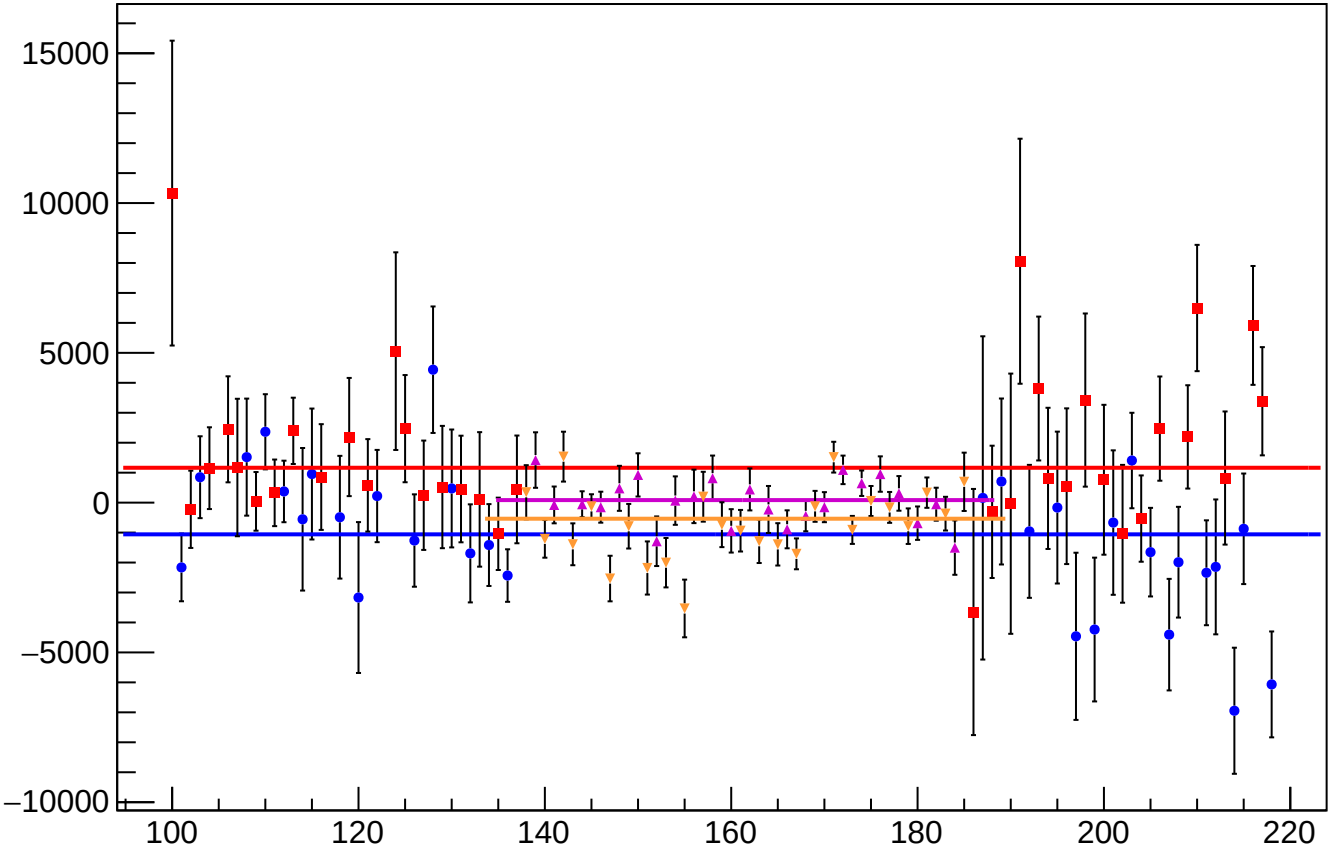
Right: 114.623+/-0.014 χ^2/NDF: 14240902.2/67

In: 86.784+/-0.011 χ^2/NDF:10315024.8/54

Out: 86.279+/-0.011 χ^2/NDF:12235743.8/60

All: 86.527+/-0.008 χ^2/NDF: 22551872.0/115

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: 1164.168+/-297.580 χ^2/NDF: 38.2/35

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

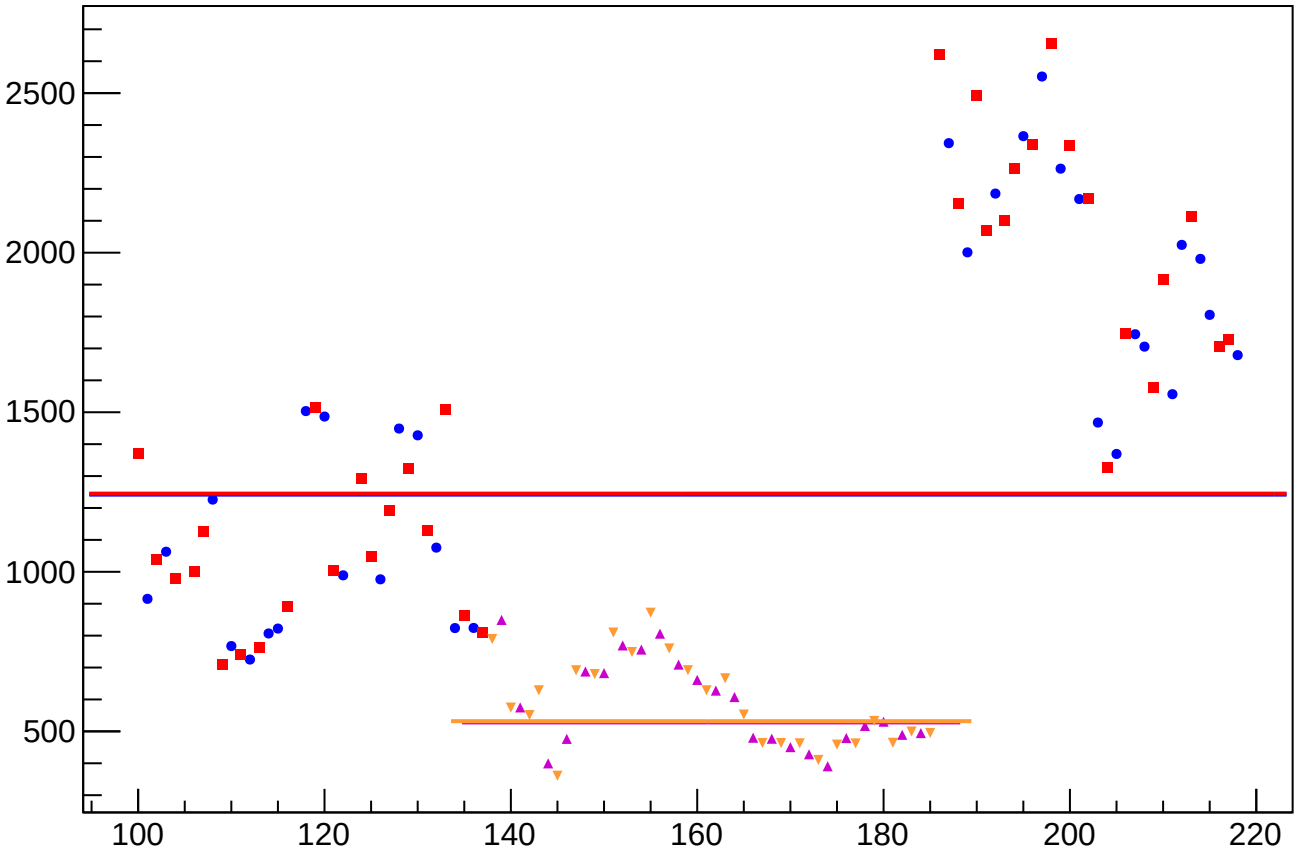
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 53.734+/-210.506 χ^2/NDF: 119.1/67

In: -91.316+/-116.852 χ^2/NDF:92.9/54

Out: -283.509+/-114.831 χ^2/NDF:133.1/60

All: -189.089+/-81.903 χ^2/NDF: 227.4/115



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: 1245.020+/-0.210 χ^2/NDF: 6092131.4/35

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

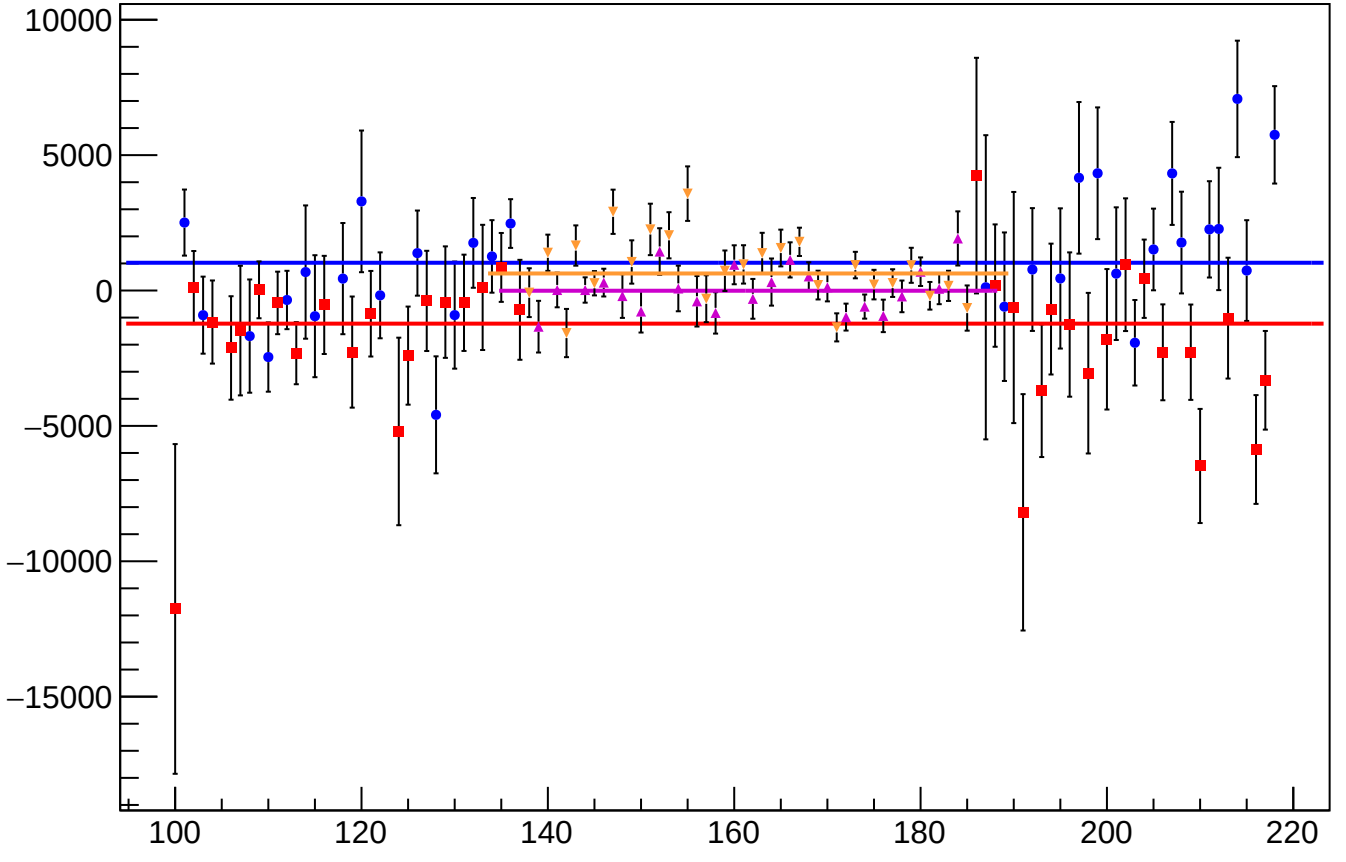
Right: 1243.485+/-0.149 χ^2/NDF: 11365338.9/67

In: 637.896+/-0.083 χ^2/NDF:16798098.8/54

Out: 638.063+/-0.081 χ^2/NDF:17905863.6/60

All: 637.981+/-0.058 χ^2/NDF: 34703964.5/11

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: -1223.612+/-308.640 χ^2/NDF: 34.5/35

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

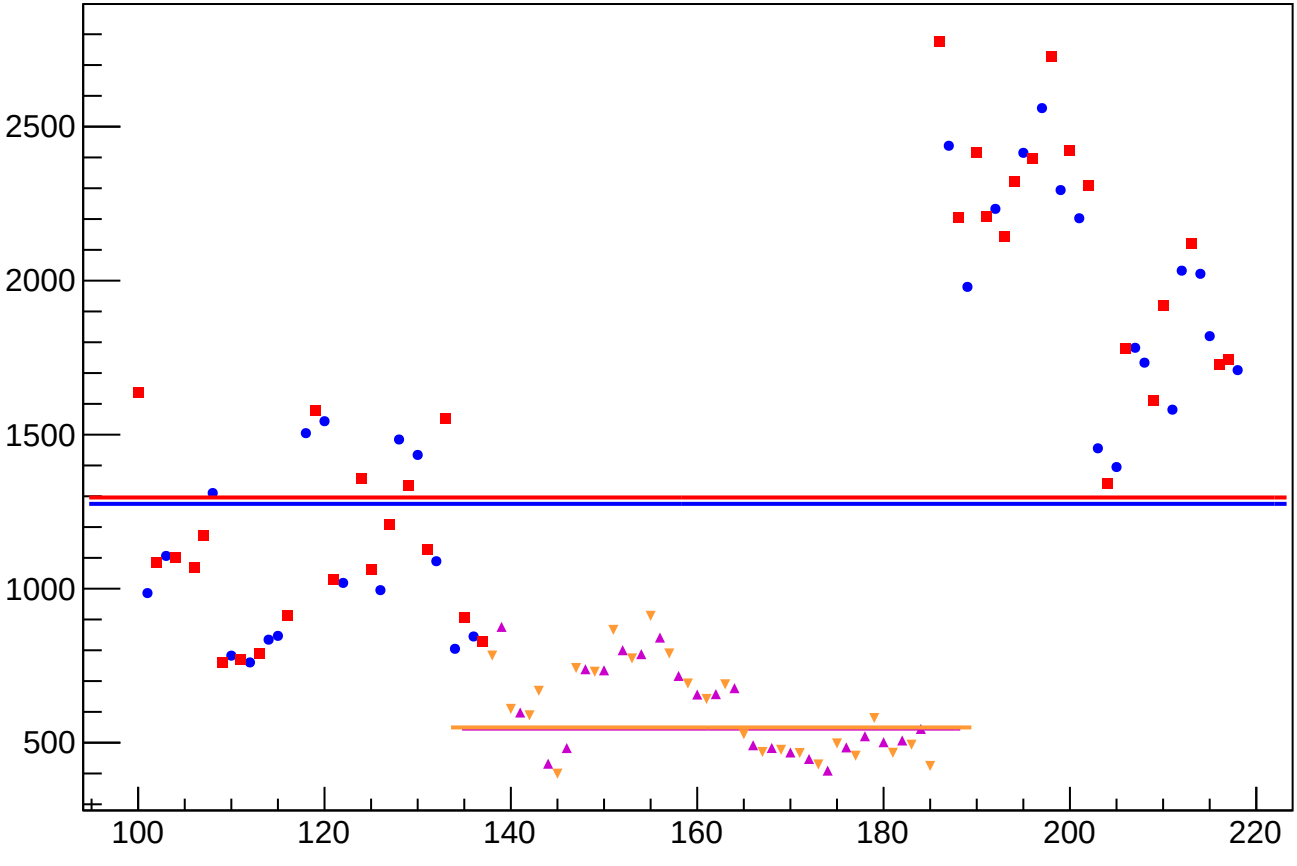
Right: -86.476+/-217.000 χ^2/NDF: 114.2/67

In: 152.979+/-120.601 χ^2/NDF:89.8/54

Out: 354.347+/-118.907 χ^2/NDF:130.1/60

All: 255.088+/-84.673 χ^2/NDF: 221.3/115

asym_sam_37_avg_rms vs Slug, Sign Corrected



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: 1296.098+/-0.218 χ^2/NDF: 5803246.4/35

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

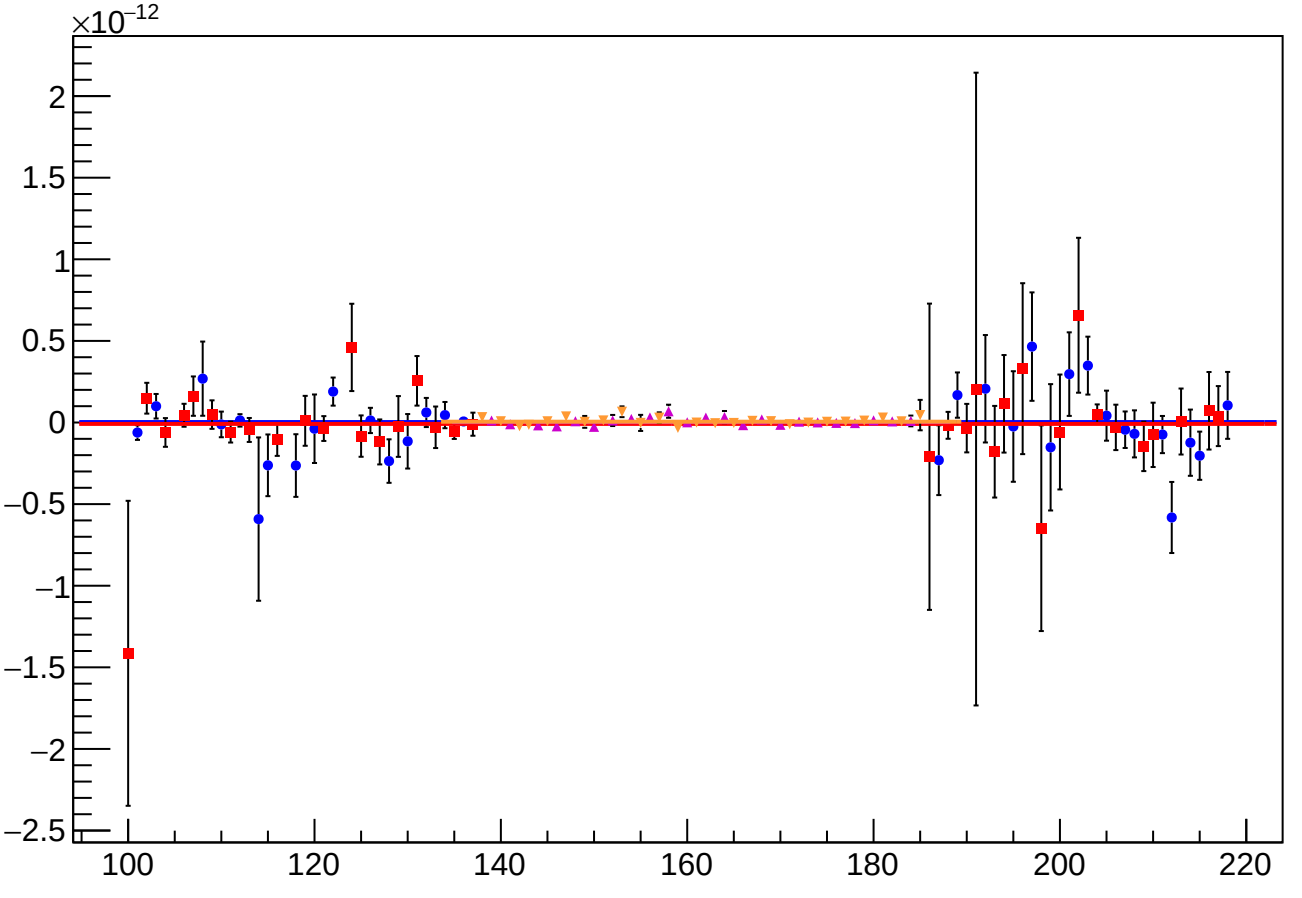
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1285.612+/-0.153 χ^2/NDF: 10895228.6/67

In: 659.672+/-0.085 χ^2/NDF:16550356.4/54

Out: 660.293+/-0.084 χ^2/NDF:17823861.6/60

All: 659.987+/-0.060 χ^2/NDF: 34374244.9/11



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: 24.7/35

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

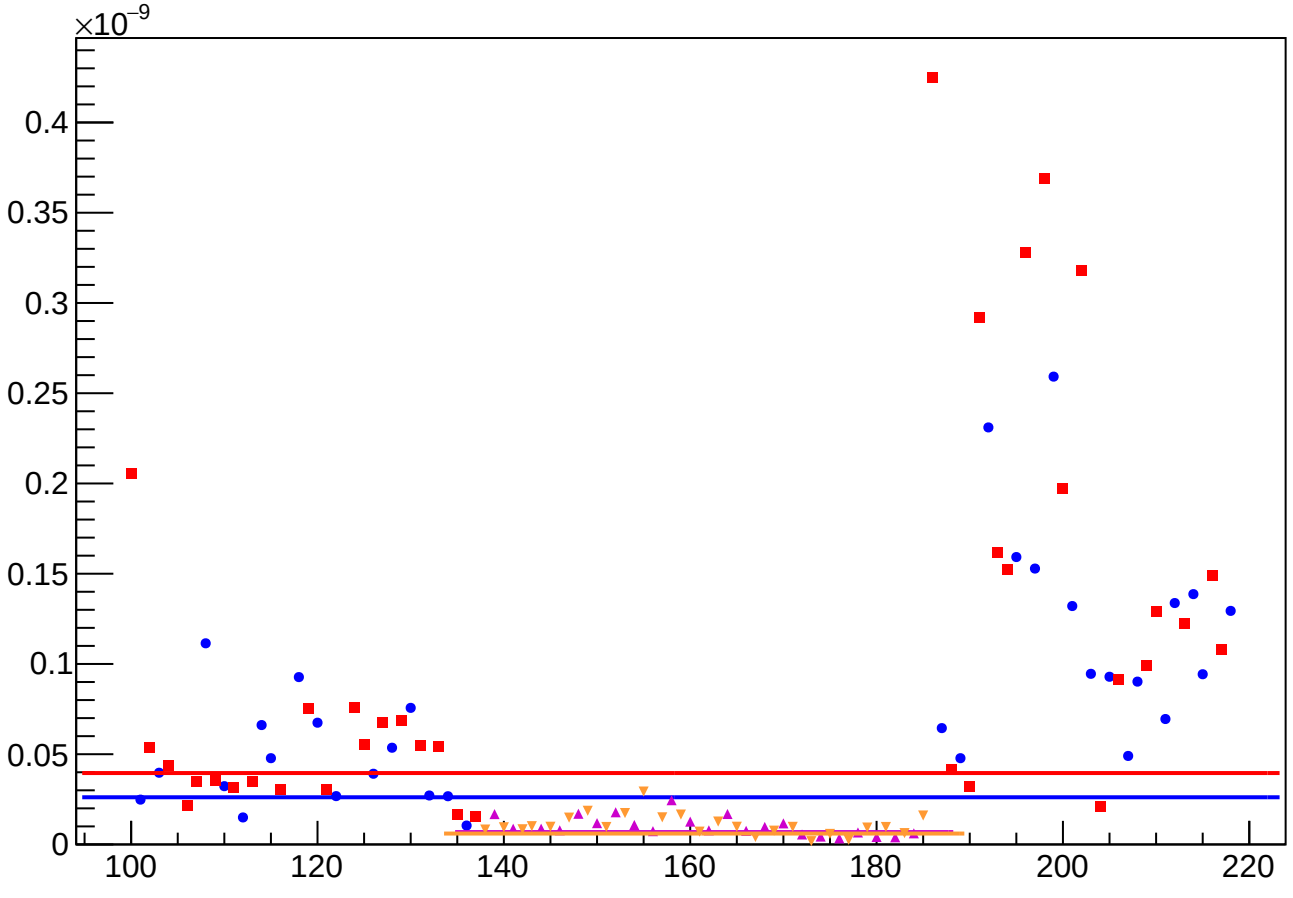
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 65.6/67

In: 0.000+/-0.000 χ^2/NDF:60.6/54

Out: 0.000+/-0.000 χ^2/NDF:40.9/60

All: 0.000+/-0.000 χ^2/NDF: 101.7/115



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: 6916674.2/35

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

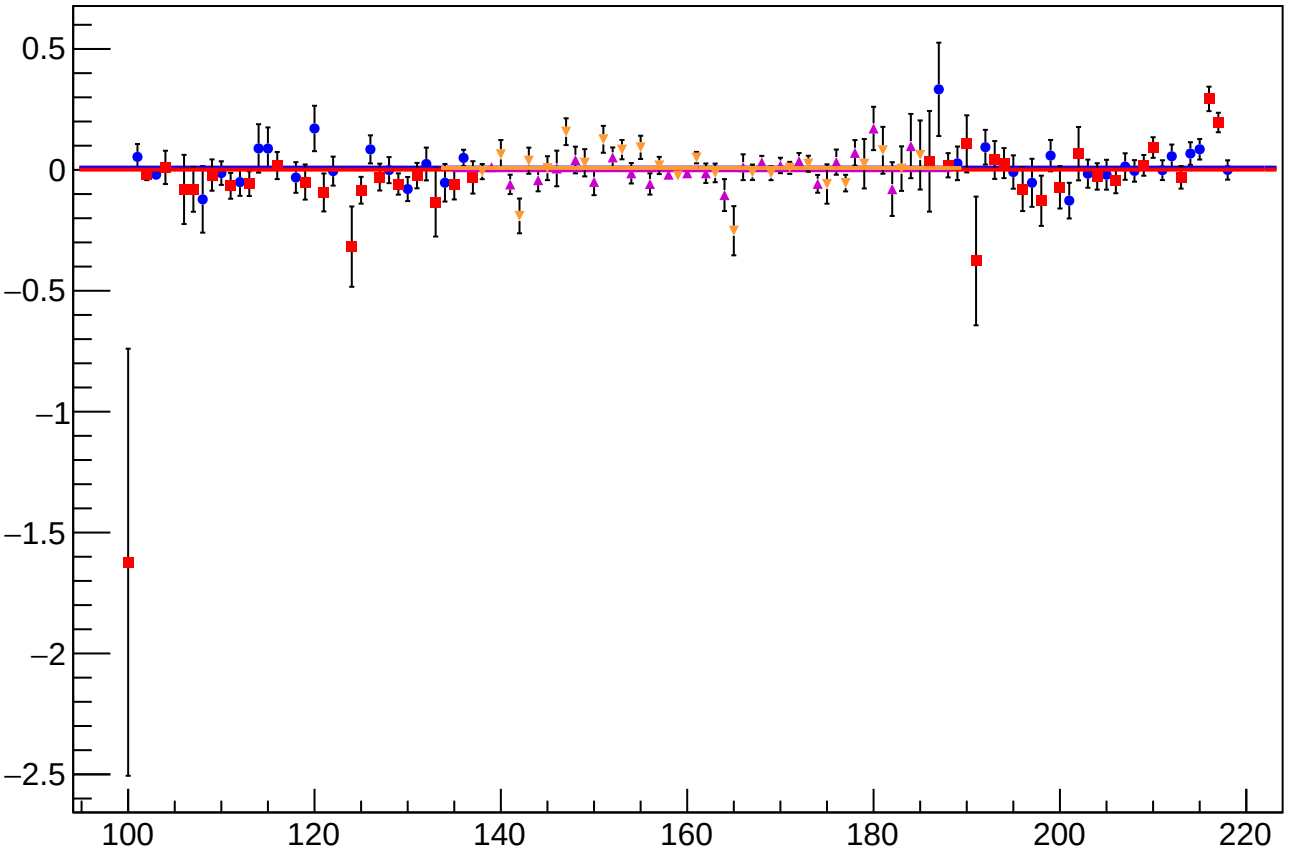
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16088291.6/67

In: 0.000+/-0.000 χ^2/NDF:14619128.6/54

Out: 0.000+/-0.000 χ^2/NDF:17176336.1/60

All: 0.000+/-0.000 χ^2/NDF: 31893975.2/115



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: 0.001+/-0.010 χ^2/NDF: 90.9/35

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

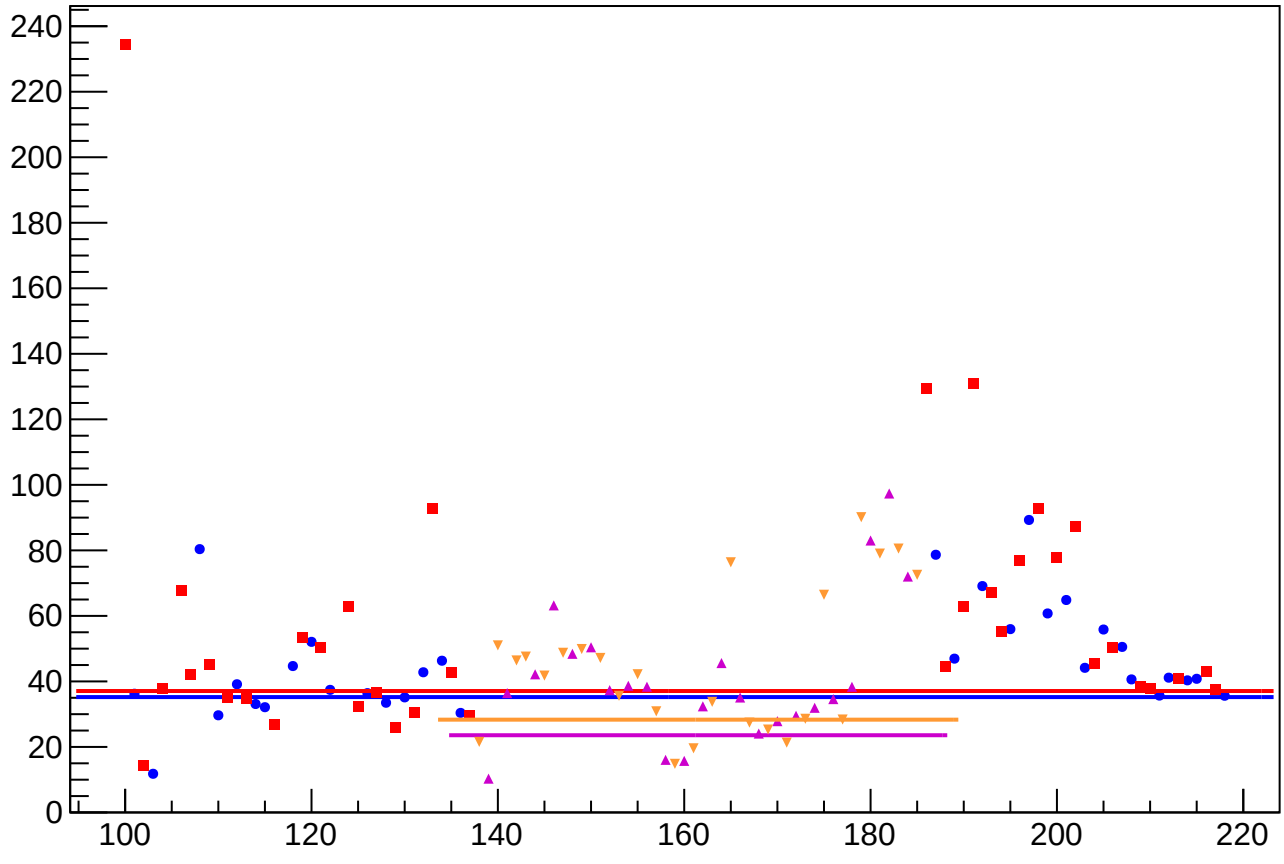
Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

Right: 0.005+/-0.007 χ^2/NDF: 123.4/67

In: 0.002+/-0.005 χ^2/NDF:58.1/54

Out: 0.005+/-0.006 χ^2/NDF:138.8/60

All: 0.004+/-0.004 χ^2/NDF: 197.1/115



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: 37.070+/-0.007 χ^2/NDF: 6561311.5/35

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

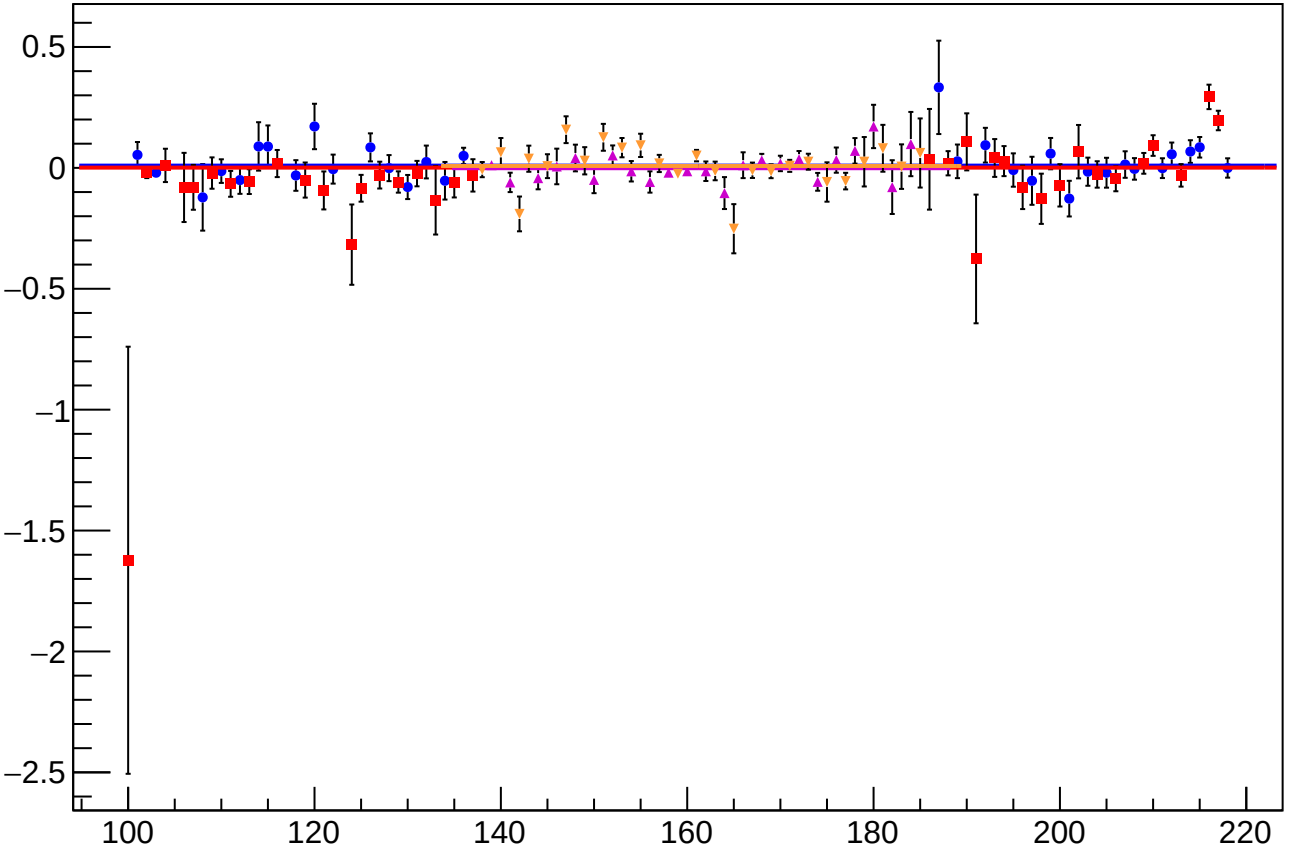
Right: 36.093+/-0.005 χ^2/NDF: 12474548.3/67

In: 27.759+/-0.004 χ^2/NDF:16242293.5/54

Out: 31.689+/-0.004 χ^2/NDF:14374522.8/60

All: 29.553+/-0.003 χ^2/NDF: 31092133.7/115

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.001+/-0.010 χ^2/NDF: 90.9/35

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

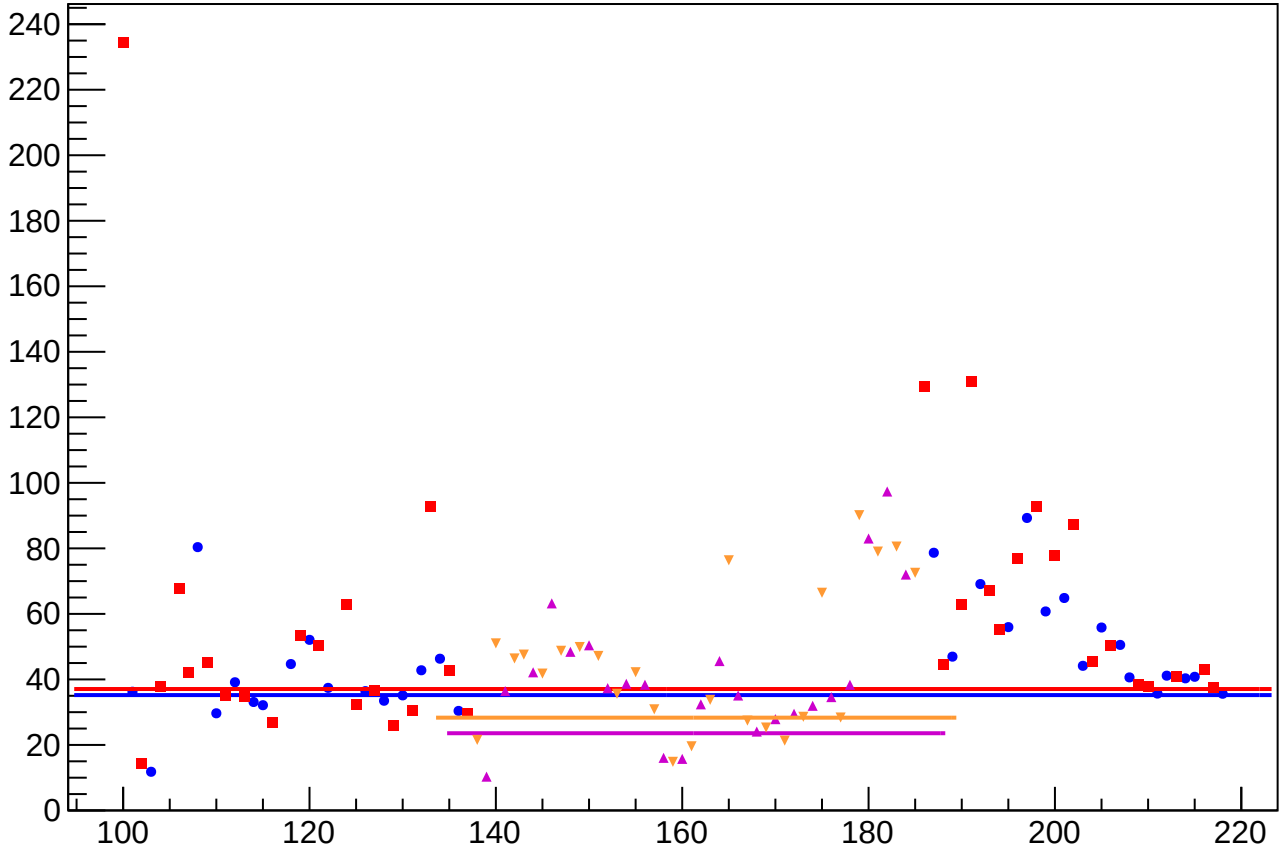
Right: 0.005+/-0.007 χ^2/NDF: 123.4/67

In: 0.002+/-0.005 χ^2/NDF:58.1/54

Out: 0.005+/-0.006 χ^2/NDF:138.8/60

All: 0.004+/-0.004 χ^2/NDF: 197.1/115

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: 37.070+/-0.007 χ^2/NDF: 6561311.5/35

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

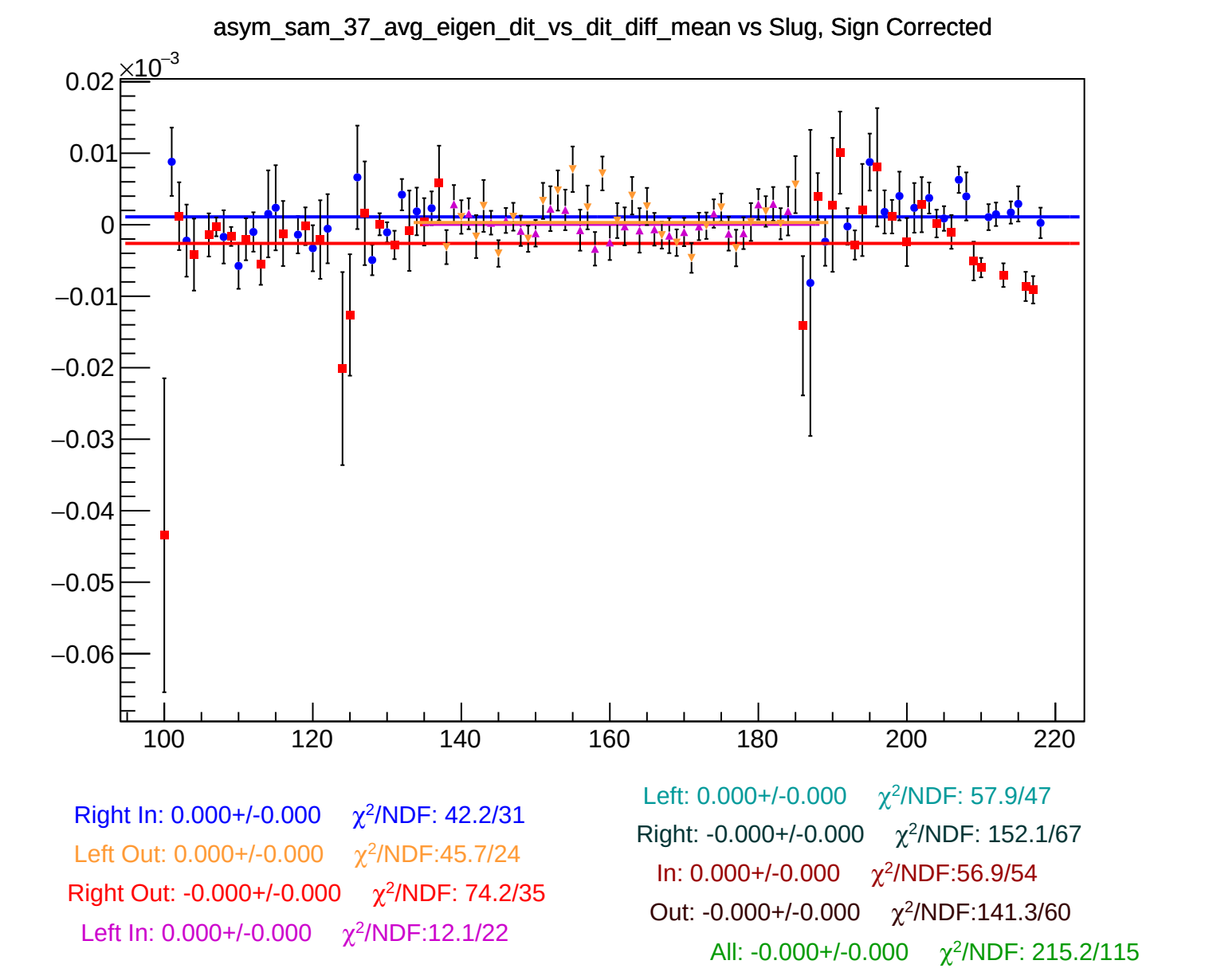
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

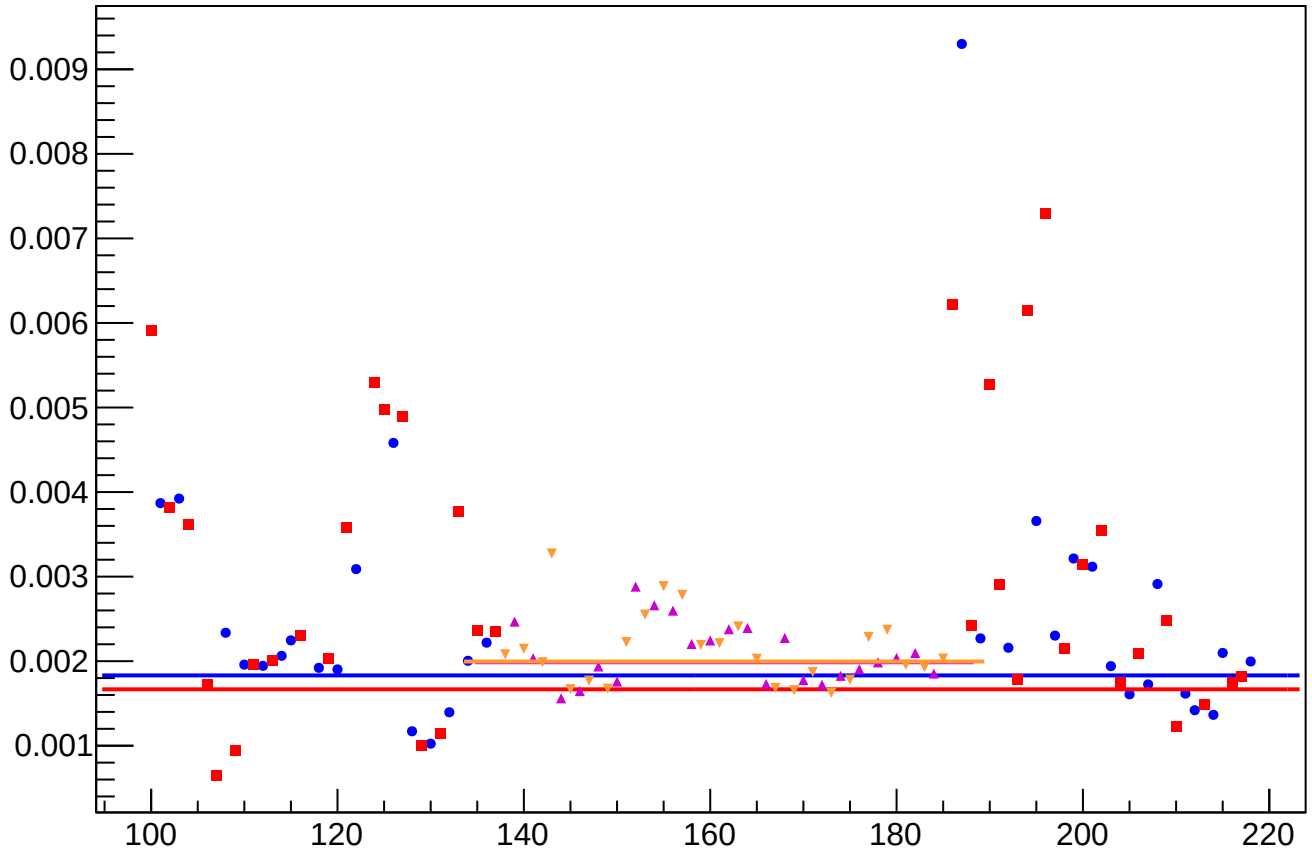
Right: 36.093+/-0.005 χ^2/NDF: 12474548.3/67

In: 27.759+/-0.004 χ^2/NDF:16242293.5/54

Out: 31.689+/-0.004 χ^2/NDF:14374522.8/60

All: 29.553+/-0.003 χ^2/NDF: 31092133.7/115


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: 74.2/35
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: 152.1/67
In: 0.000+/-0.000 χ²/NDF:56.9/54
Out: -0.000+/-0.000 χ²/NDF:141.3/60
All: -0.000+/-0.000 χ²/NDF: 215.2/115



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: 8991784.5/35

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

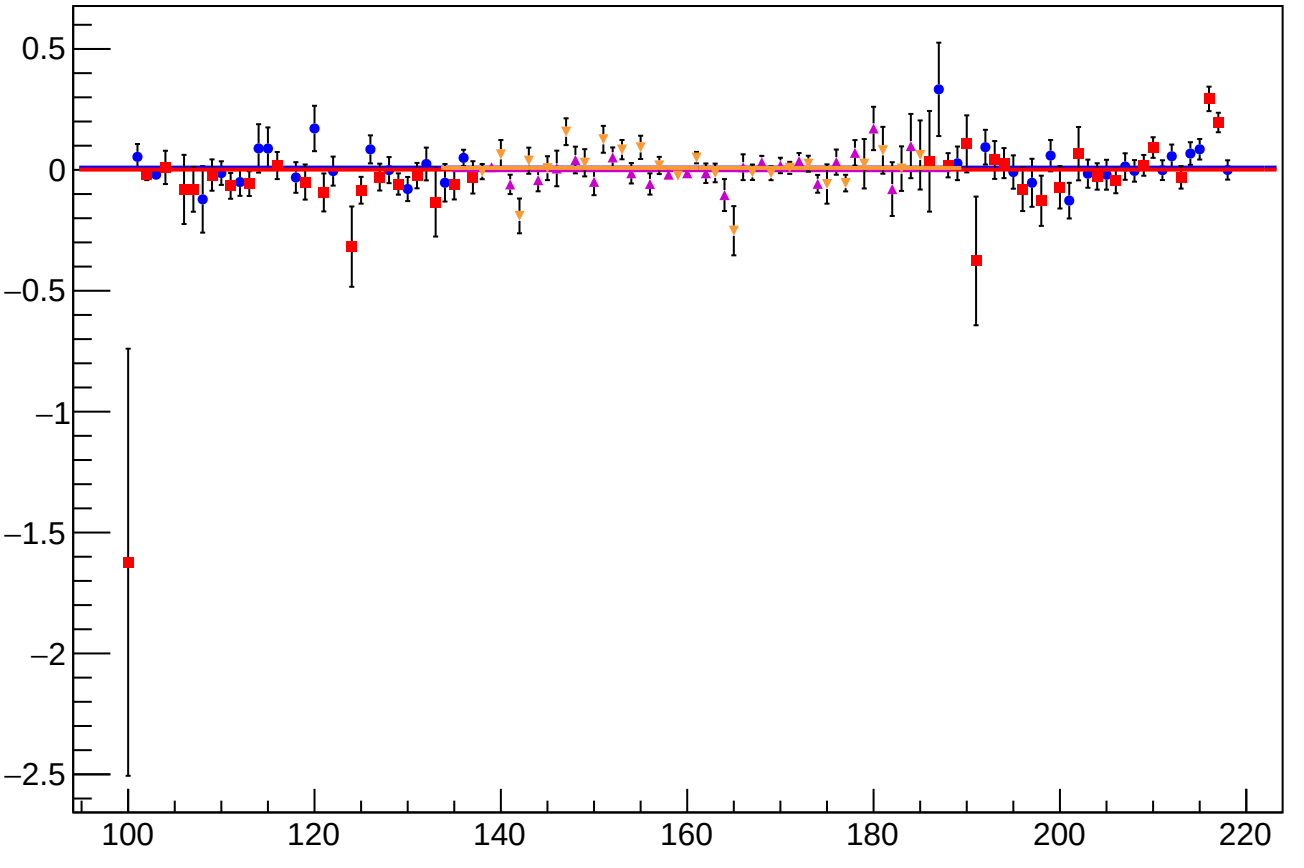
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 13313898.5/67

In: 0.002+/-0.000 χ^2/NDF:5219806.4/54

Out: 0.002+/-0.000 χ^2/NDF:10708851.1/60

All: 0.002+/-0.000 χ^2/NDF: 16001586.4/115



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: 0.001+/-0.010 χ^2/NDF: 90.9/35

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

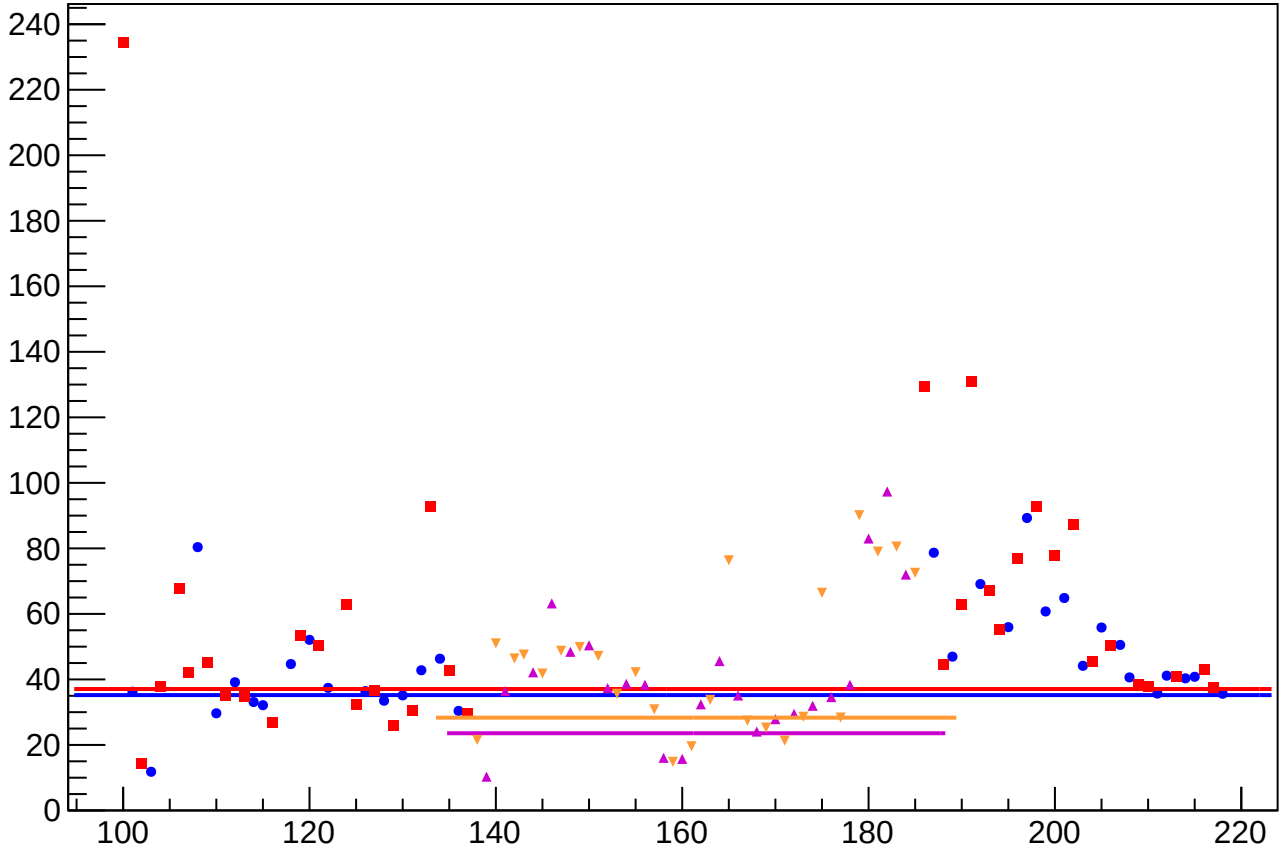
Right: 0.005+/-0.007 χ^2/NDF: 123.4/67

In: 0.002+/-0.005 χ^2/NDF:58.1/54

Out: 0.005+/-0.006 χ^2/NDF:138.8/60

All: 0.004+/-0.004 χ^2/NDF: 197.1/115

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: 37.072+/-0.007 χ^2/NDF: 6560086.4/35

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

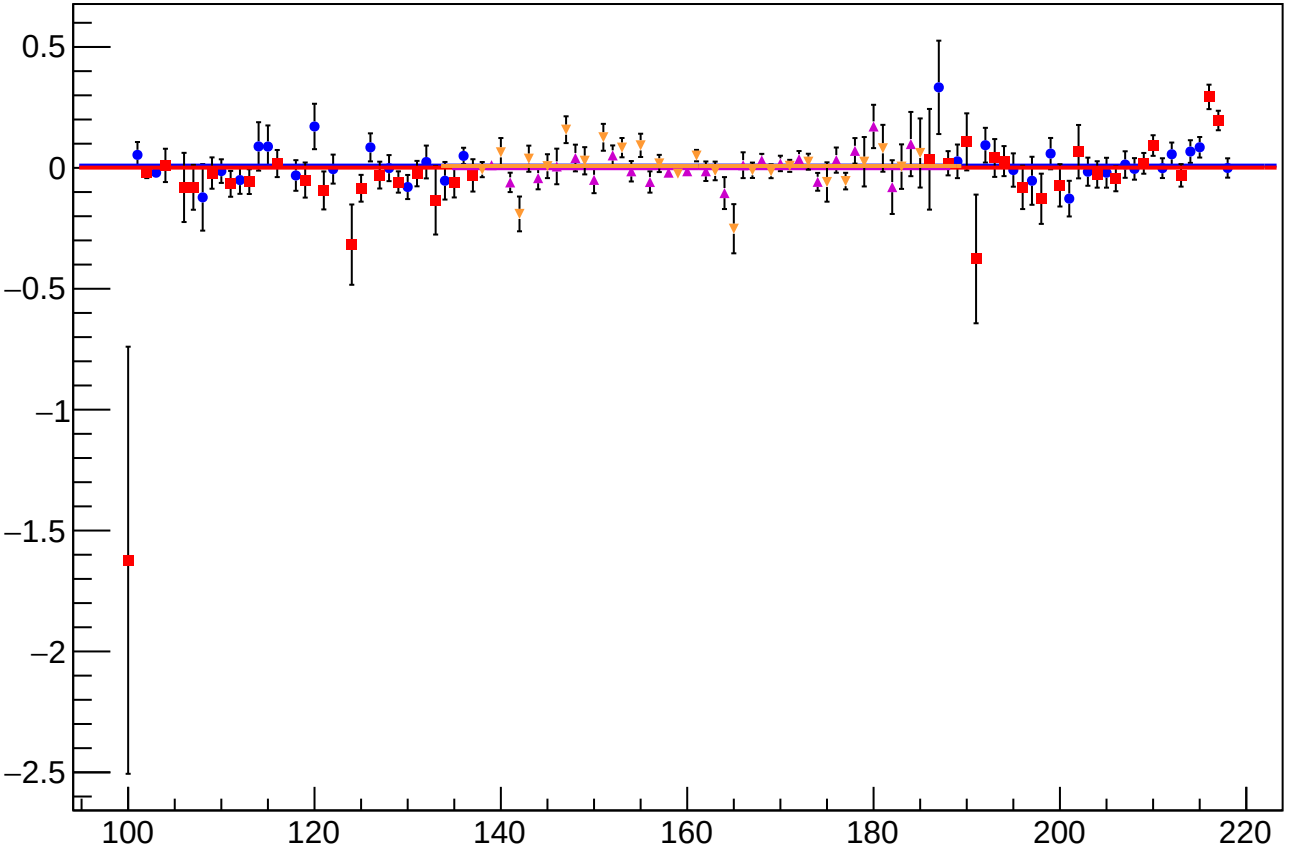
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 36.094+/-0.005 χ^2/NDF: 12473877.4/67

In: 27.758+/-0.004 χ^2/NDF:16244055.8/54

Out: 31.690+/-0.004 χ^2/NDF:14374291.1/60

All: 29.553+/-0.003 χ^2/NDF: 31094023.2/115



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: 0.001+/-0.010 χ^2/NDF: 90.9/35

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

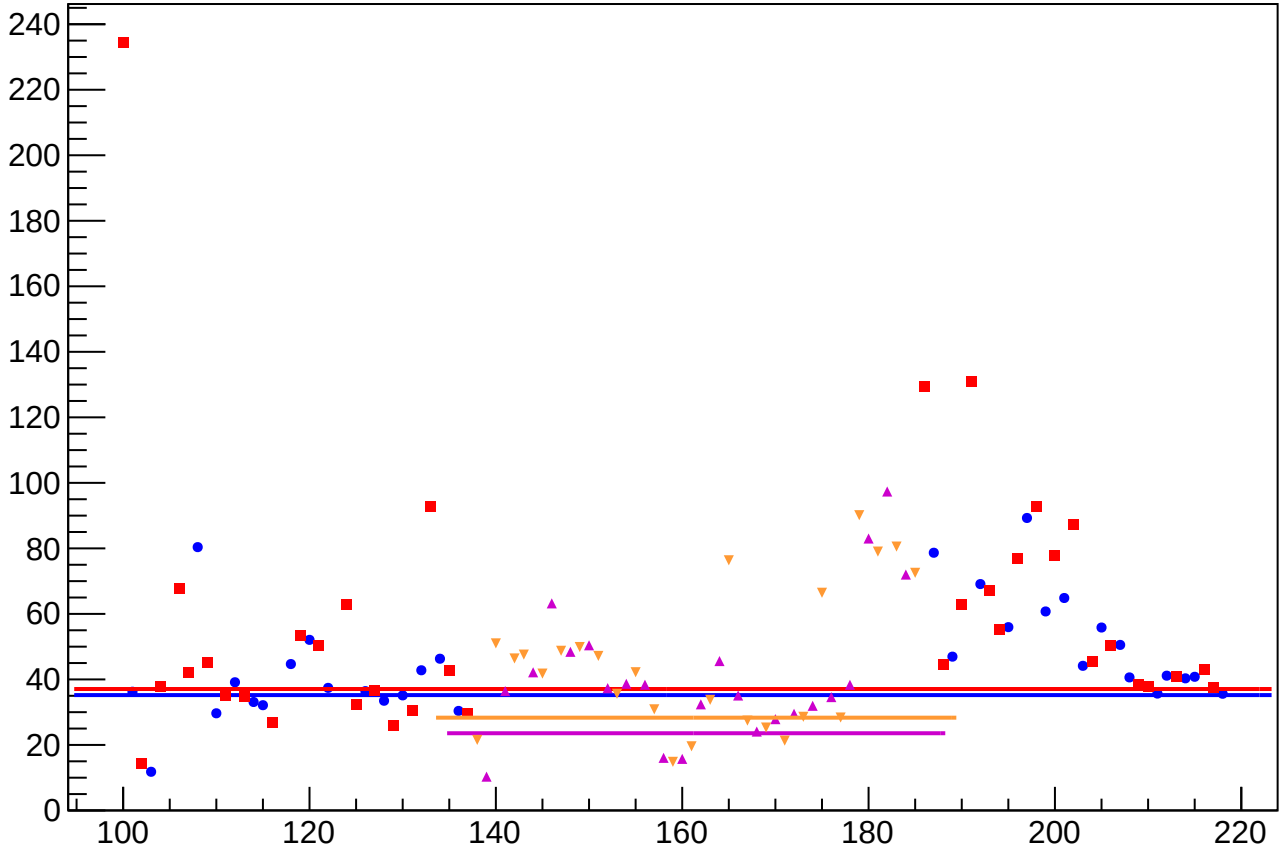
Right: 0.005+/-0.007 χ^2/NDF: 123.4/67

In: 0.002+/-0.005 χ^2/NDF:58.1/54

Out: 0.005+/-0.006 χ^2/NDF:138.8/60

All: 0.004+/-0.004 χ^2/NDF: 197.1/115

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: 37.072+/-0.007 χ^2/NDF: 6560086.4/35

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

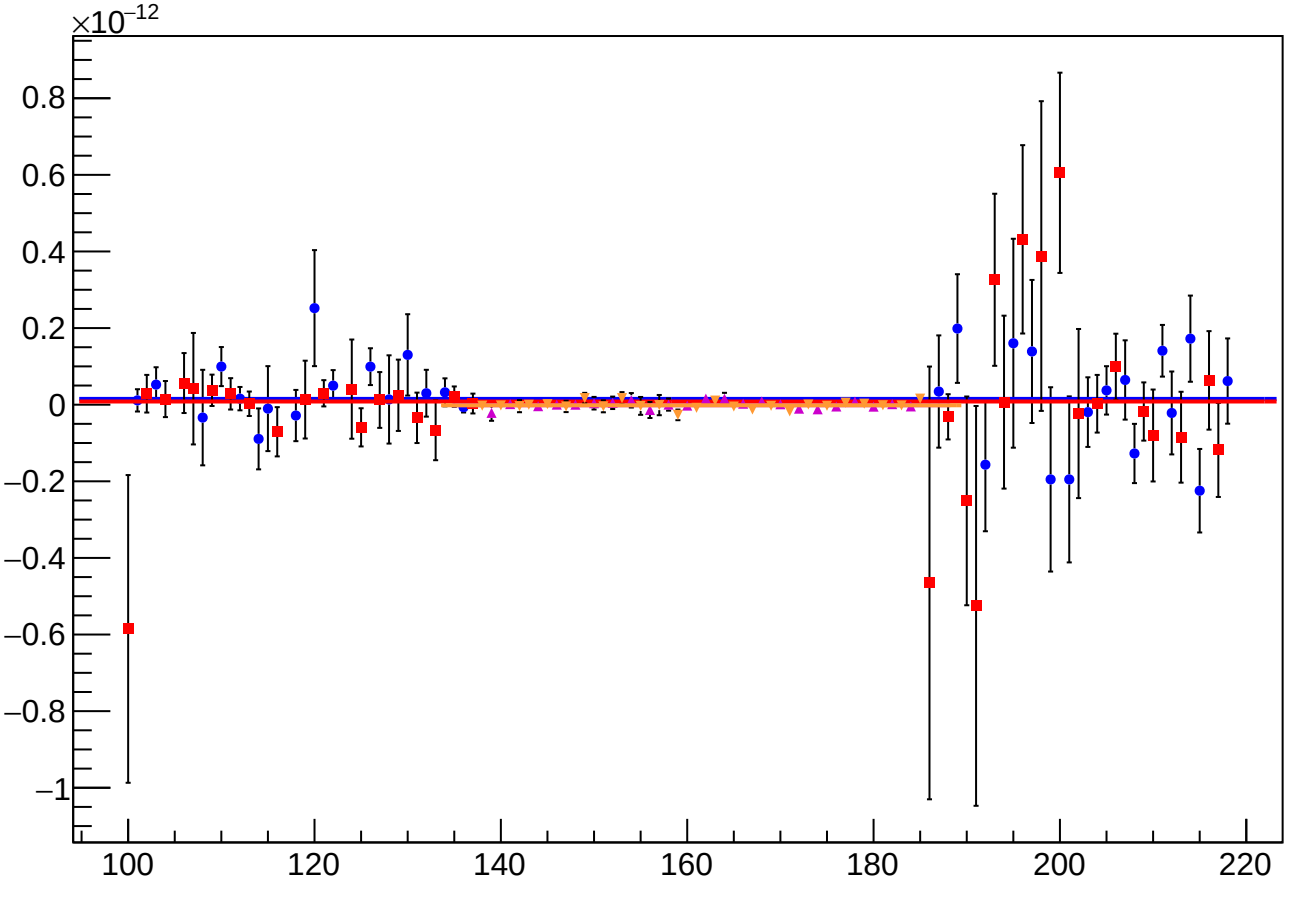
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 36.094+/-0.005 χ^2/NDF: 12473877.4/67

In: 27.758+/-0.004 χ^2/NDF:16244055.8/54

Out: 31.690+/-0.004 χ^2/NDF:14374291.1/60

All: 29.553+/-0.003 χ^2/NDF: 31094023.2/115



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: 26.9/35

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

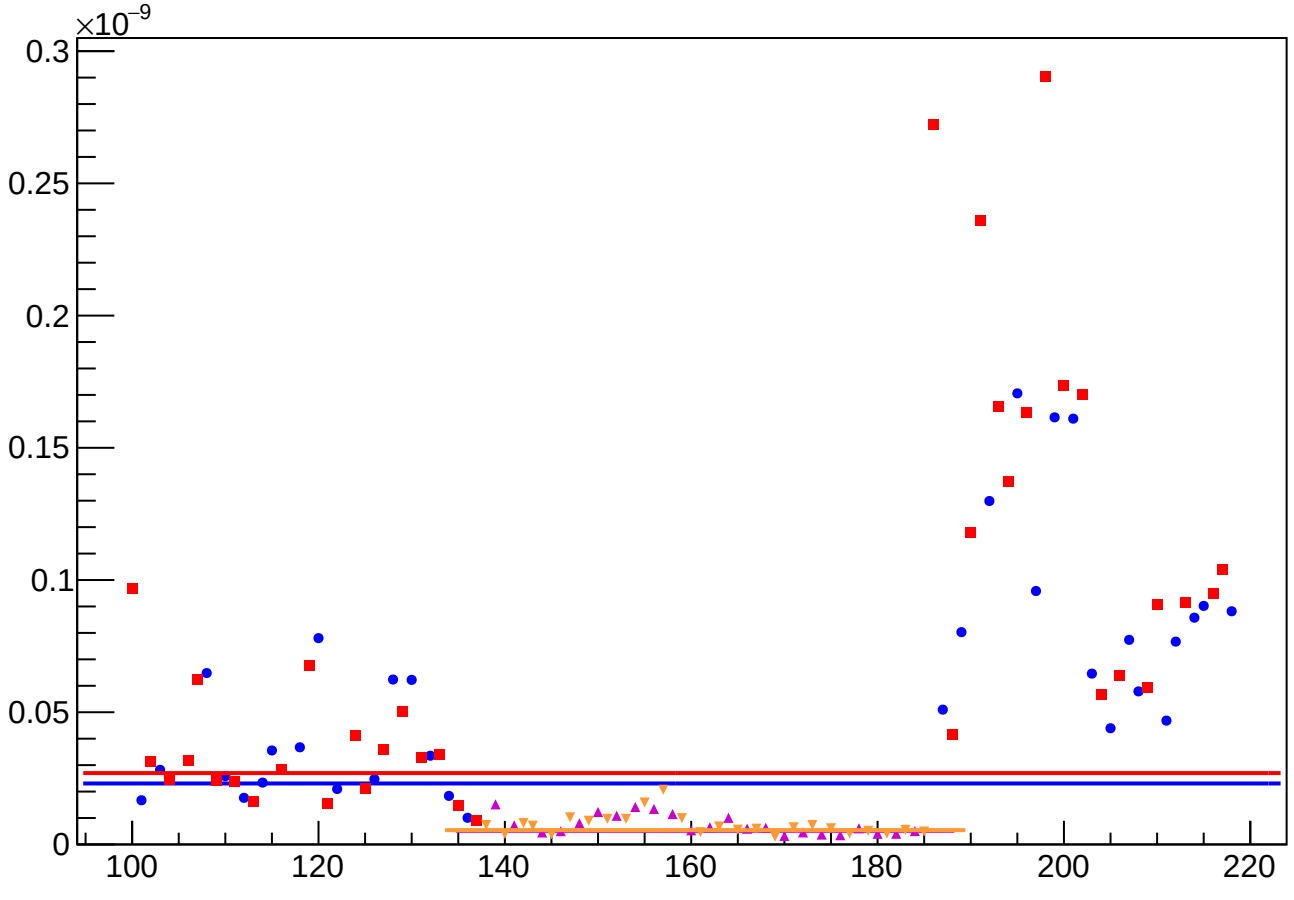
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 62.6/67

In: -0.000+/-0.000 χ^2/NDF:54.7/54

Out: -0.000+/-0.000 χ^2/NDF:45.3/60

All: -0.000+/-0.000 χ^2/NDF: 100.1/115



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: 11391991.7/35

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

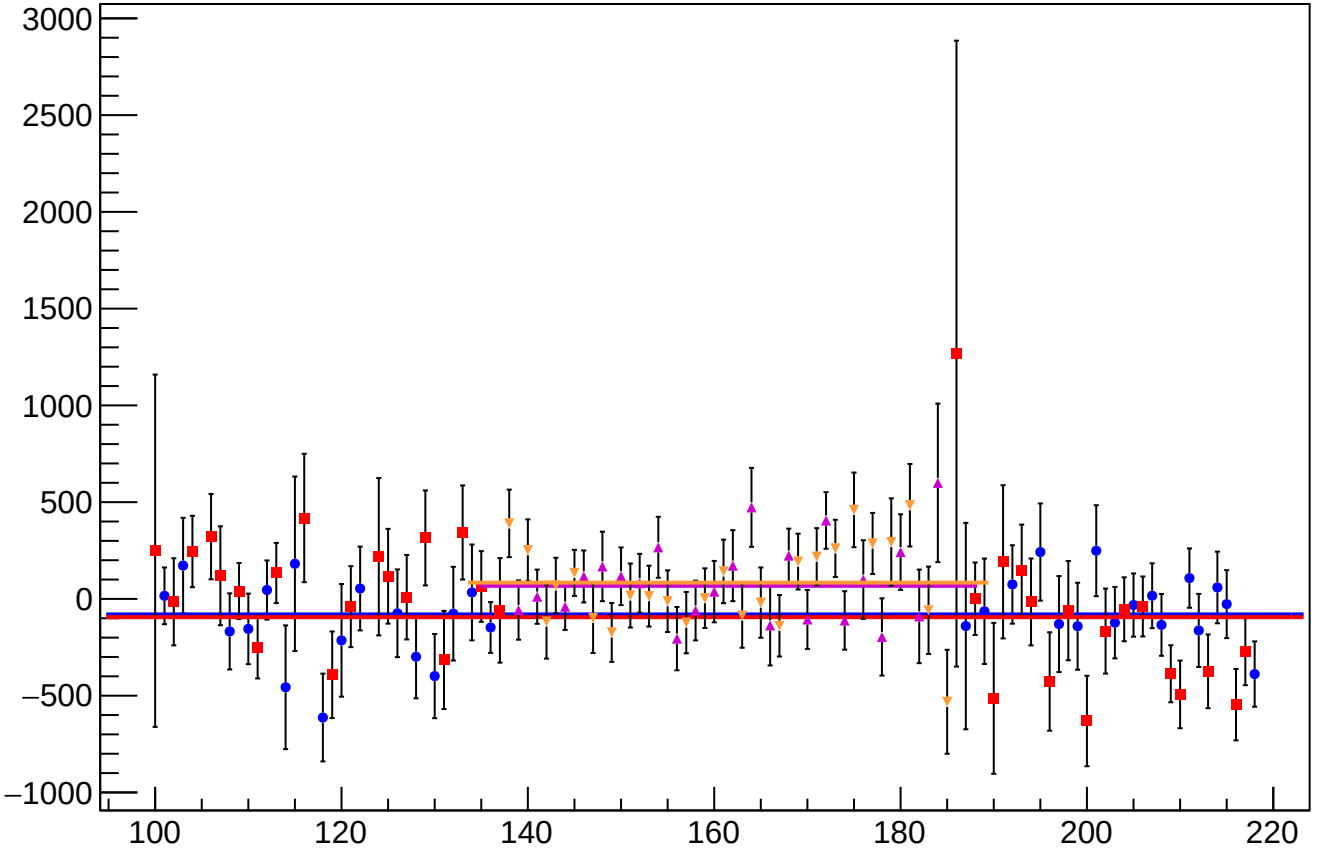
Right: 0.000+/-0.000 χ^2/NDF: 22646683.1/67

In: 0.000+/-0.000 χ^2/NDF:22244699.7/54

Out: 0.000+/-0.000 χ^2/NDF:23220368.2/60

All: 0.000+/-0.000 χ^2/NDF: 45481275.8/115

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: -94.356+/-35.390 χ^2/NDF: 54.7/35

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

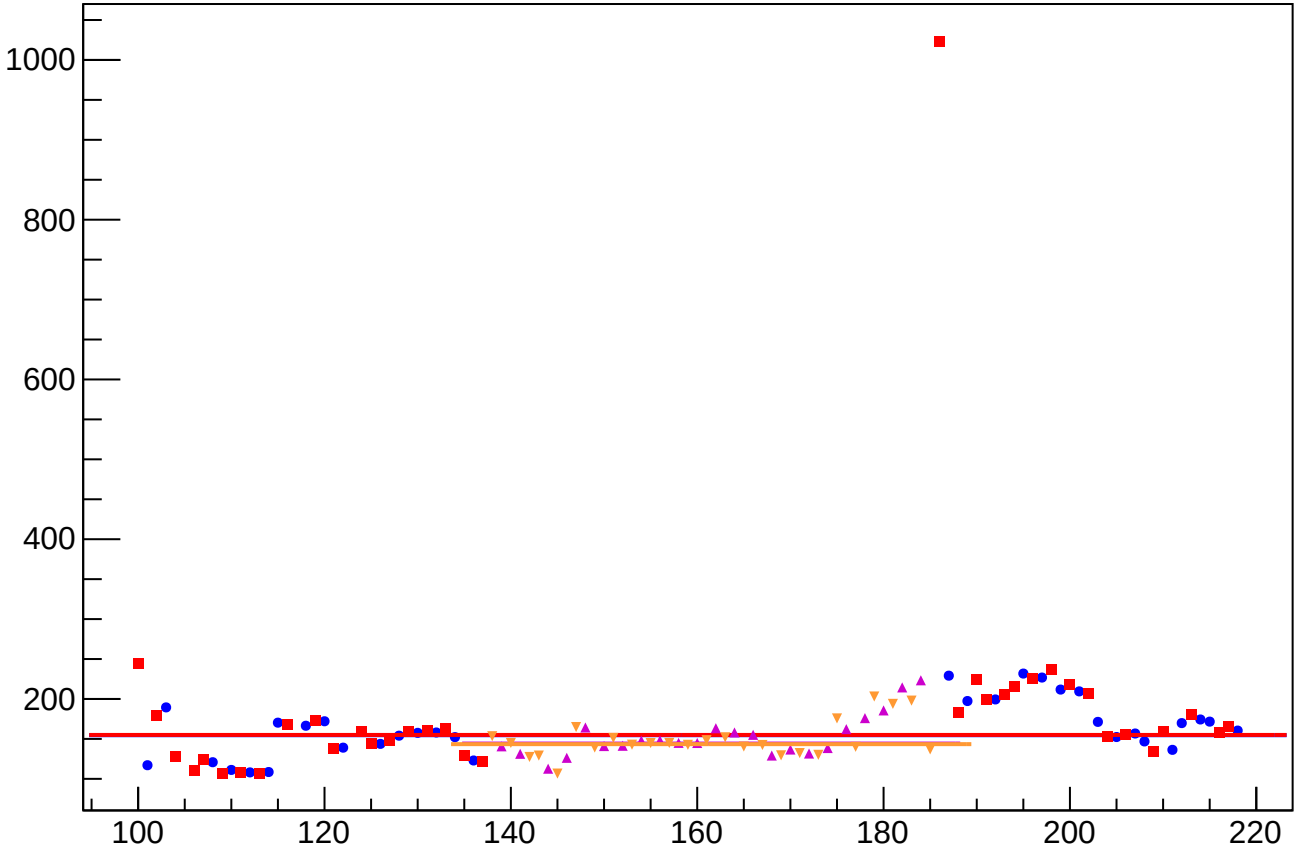
Right: -87.200+/-24.988 χ^2/NDF: 79.4/67

In: -3.776+/-24.534 χ^2/NDF:60.2/54

Out: 1.126+/-24.149 χ^2/NDF:102.1/60

All: -1.286+/-17.211 χ^2/NDF: 162.3/115

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



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: 154.972+/-0.025 χ^2/NDF: 2525178.1/35

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

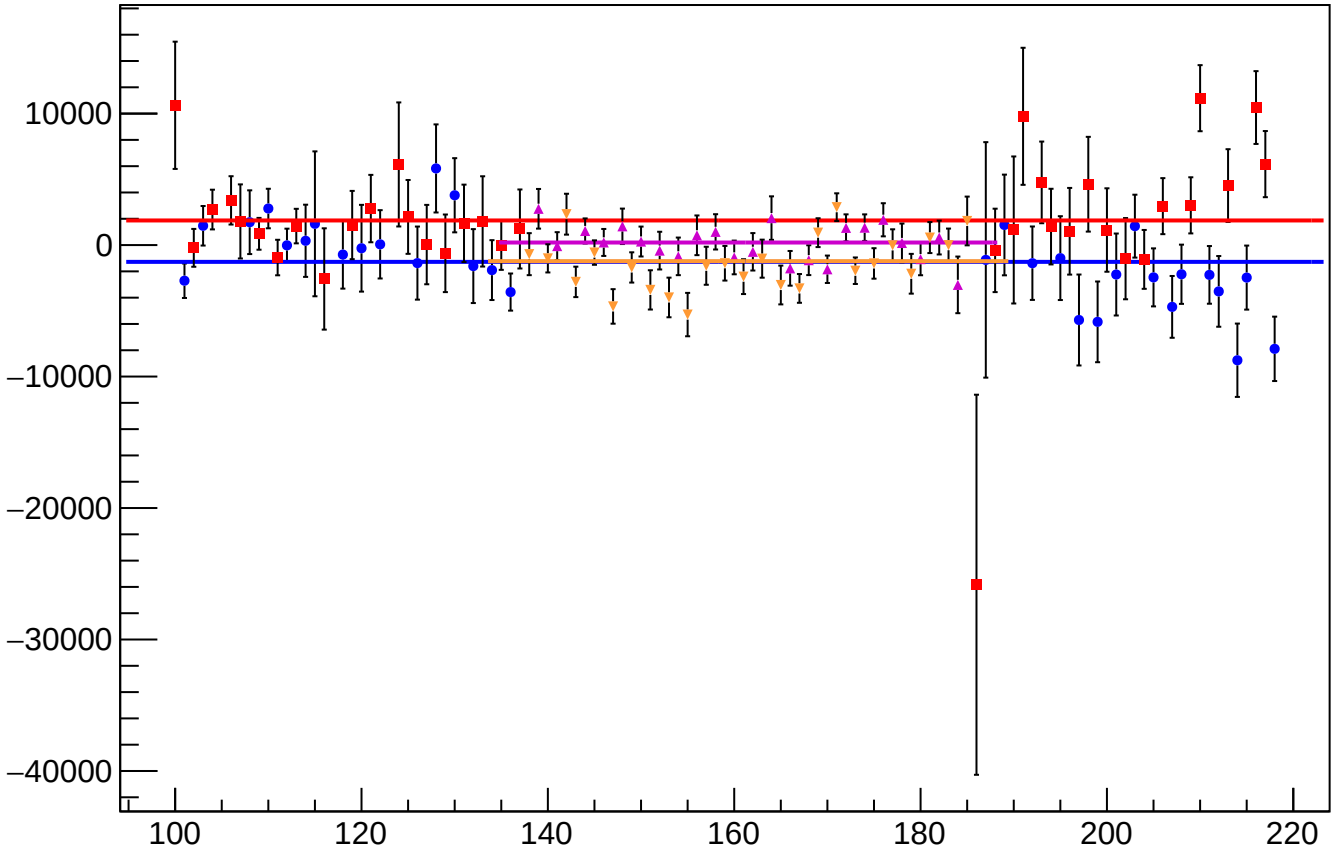
Right: 154.798+/-0.018 χ^2/NDF: 4133446.9/67

In: 149.225+/-0.017 χ^2/NDF:2401570.3/54

Out: 148.811+/-0.017 χ^2/NDF:3385627.1/60

All: 149.015+/-0.012 χ^2/NDF: 5787485.6/115

asym_sam_48_avg_reg_correction_mean vs Slug, Sign Corrected



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: 1872.083+/-390.872 χ^2/NDF: 54.4/35

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

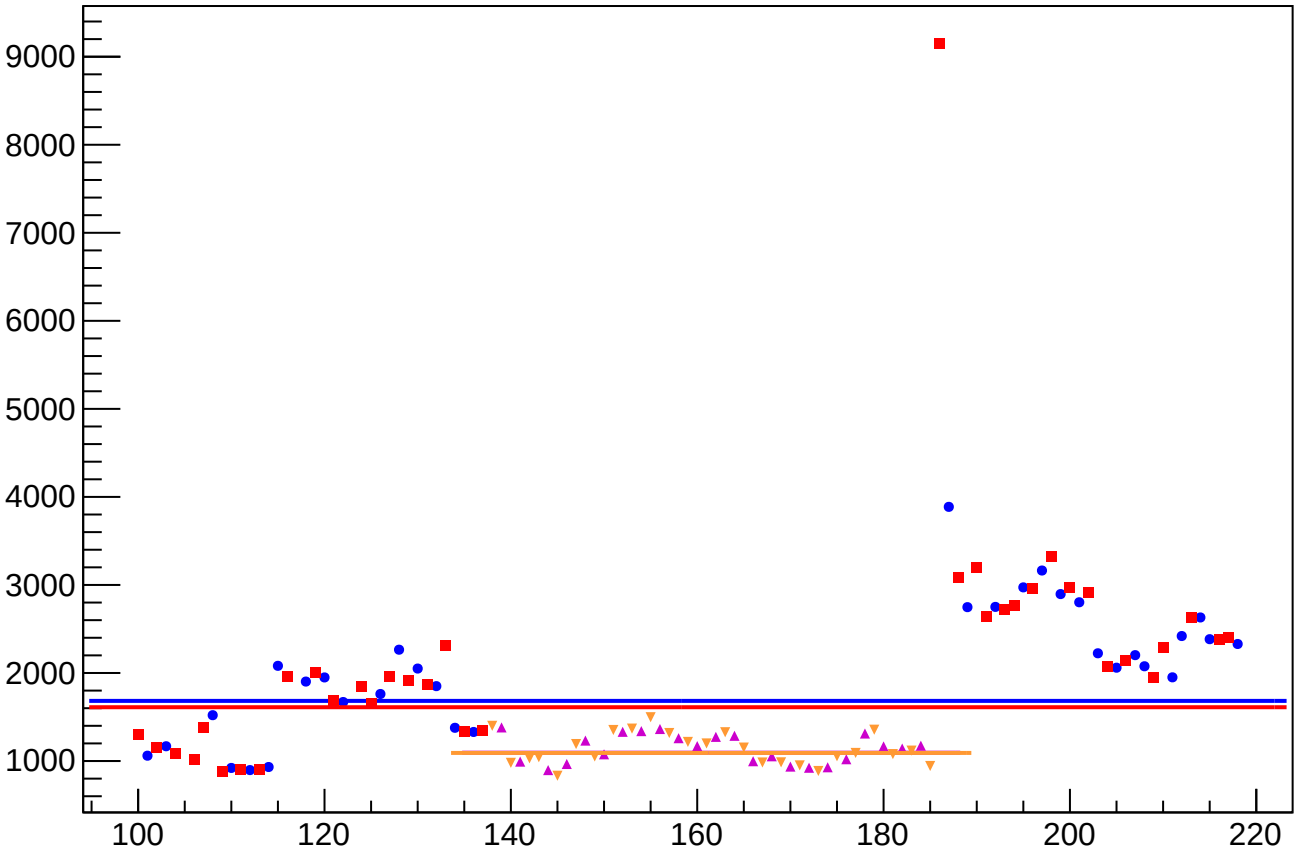
Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

Right: 346.959+/-280.705 χ^2/NDF: 135.7/67

In: -235.455+/-217.895 χ^2/NDF:82.5/54

Out: -316.879+/-211.660 χ^2/NDF:158.1/60

All: -277.349+/-151.823 χ^2/NDF: 240.7/115



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: 1611.011+/-0.276 χ^2/NDF: 7143950.9/35

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

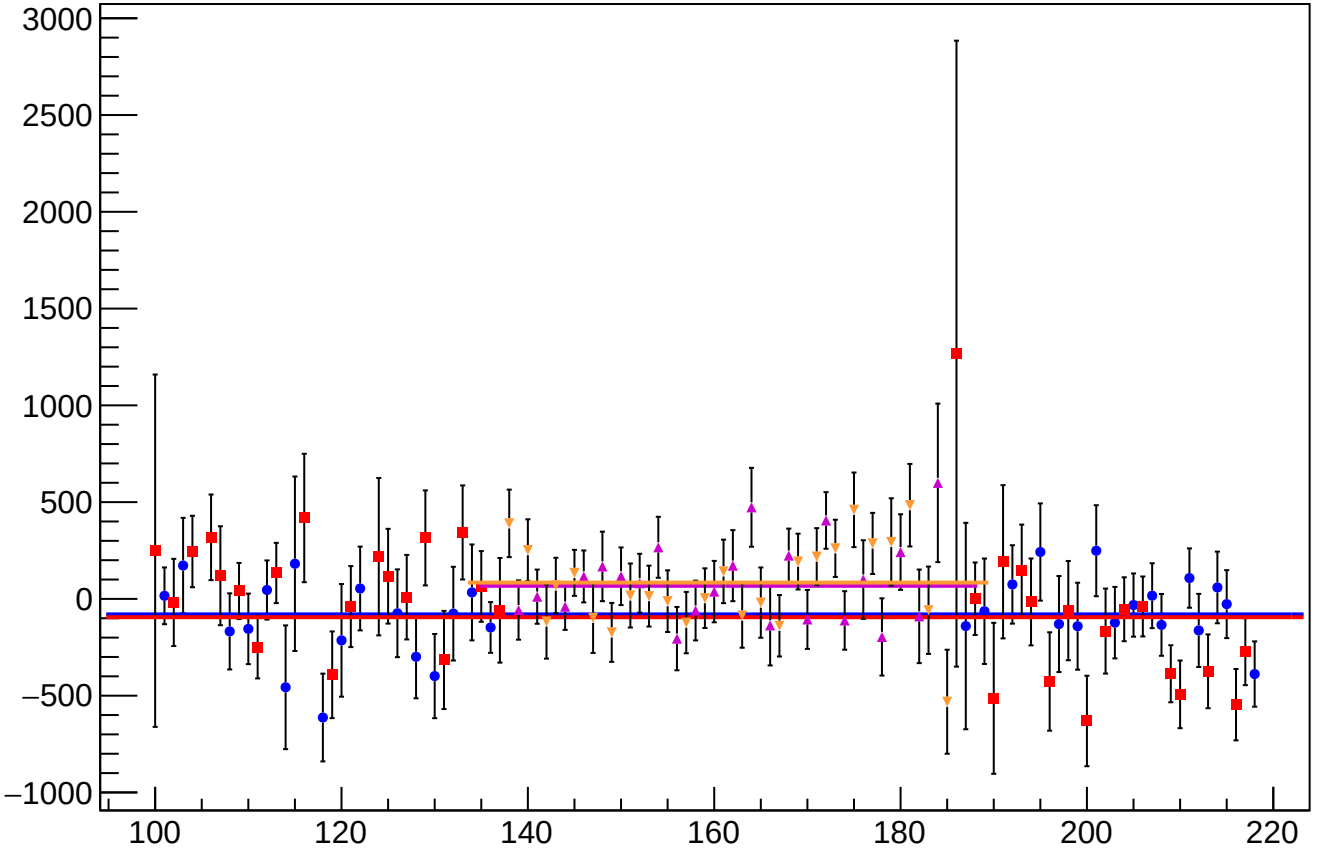
Right: 1645.896+/-0.198 χ^2/NDF: 12471226.7/67

In: 1266.219+/-0.154 χ^2/NDF:9042895.2/54

Out: 1244.175+/-0.150 χ^2/NDF:10528848.1/60

All: 1254.877+/-0.107 χ^2/NDF: 19582275.9/1

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: -94.594+/-35.394 χ^2/NDF: 54.6/35

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

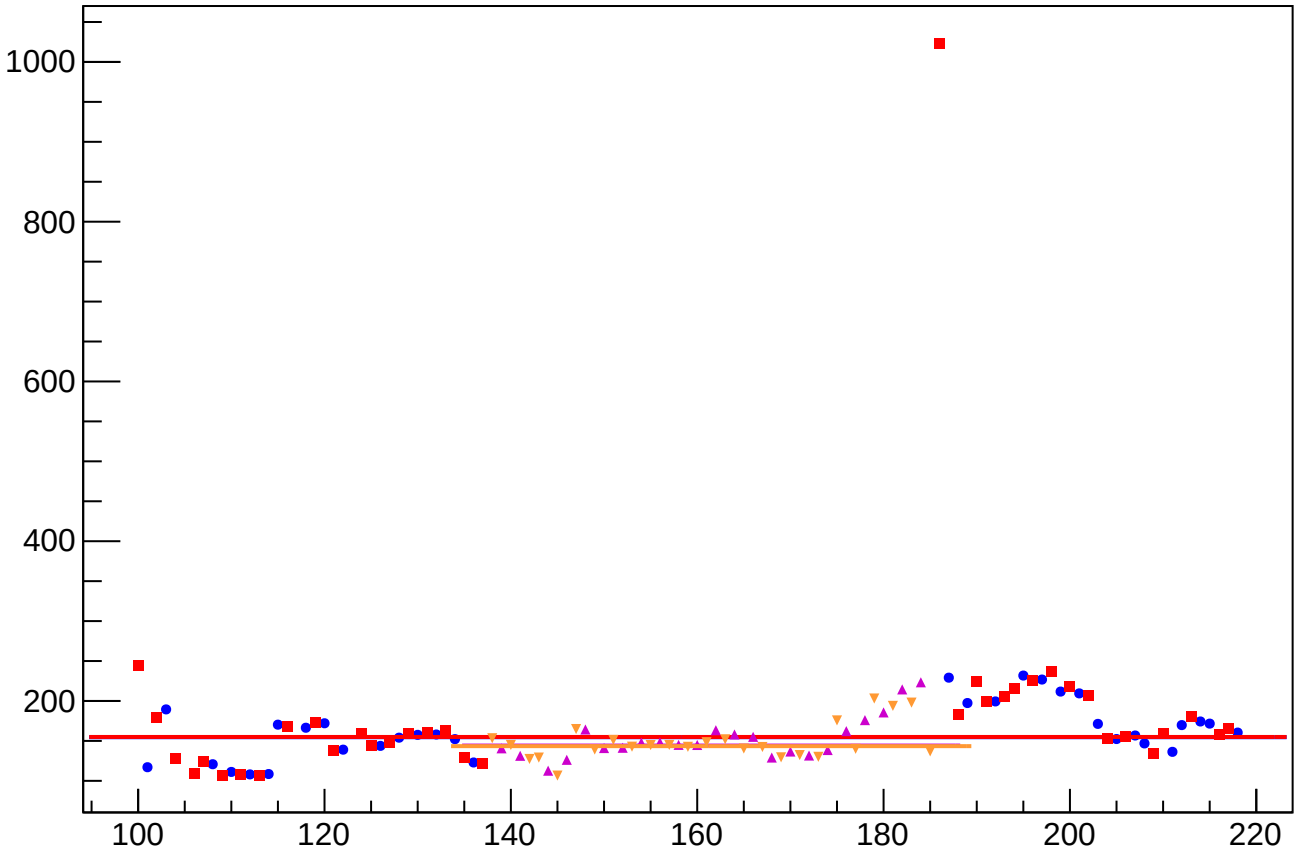
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -87.320+/-24.989 χ^2/NDF: 79.3/67

In: -3.778+/-24.534 χ^2/NDF:60.2/54

Out: 1.031+/-24.150 χ^2/NDF:102.1/60

All: -1.335+/-17.211 χ^2/NDF: 162.3/115



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: 154.940+/-0.025 χ^2/NDF: 2530723.2/35

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

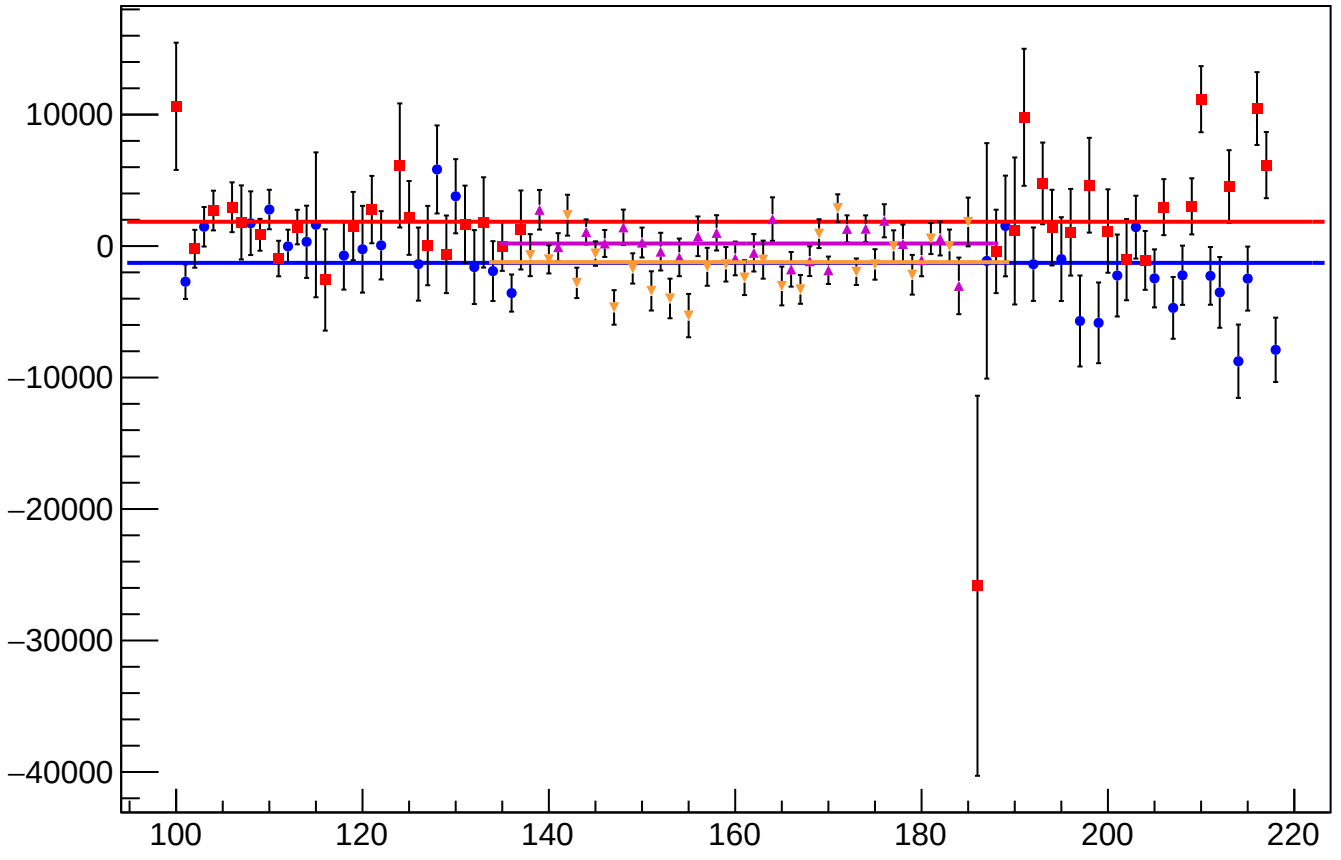
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 154.782+/-0.018 χ^2/NDF: 4138977.0/67

In: 149.225+/-0.017 χ^2/NDF:2401572.9/54

Out: 148.796+/-0.017 χ^2/NDF:3390525.6/60

All: 149.007+/-0.012 χ^2/NDF: 5792408.8/115



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: 1849.581+/-391.408 χ^2/NDF: 54.0/35

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

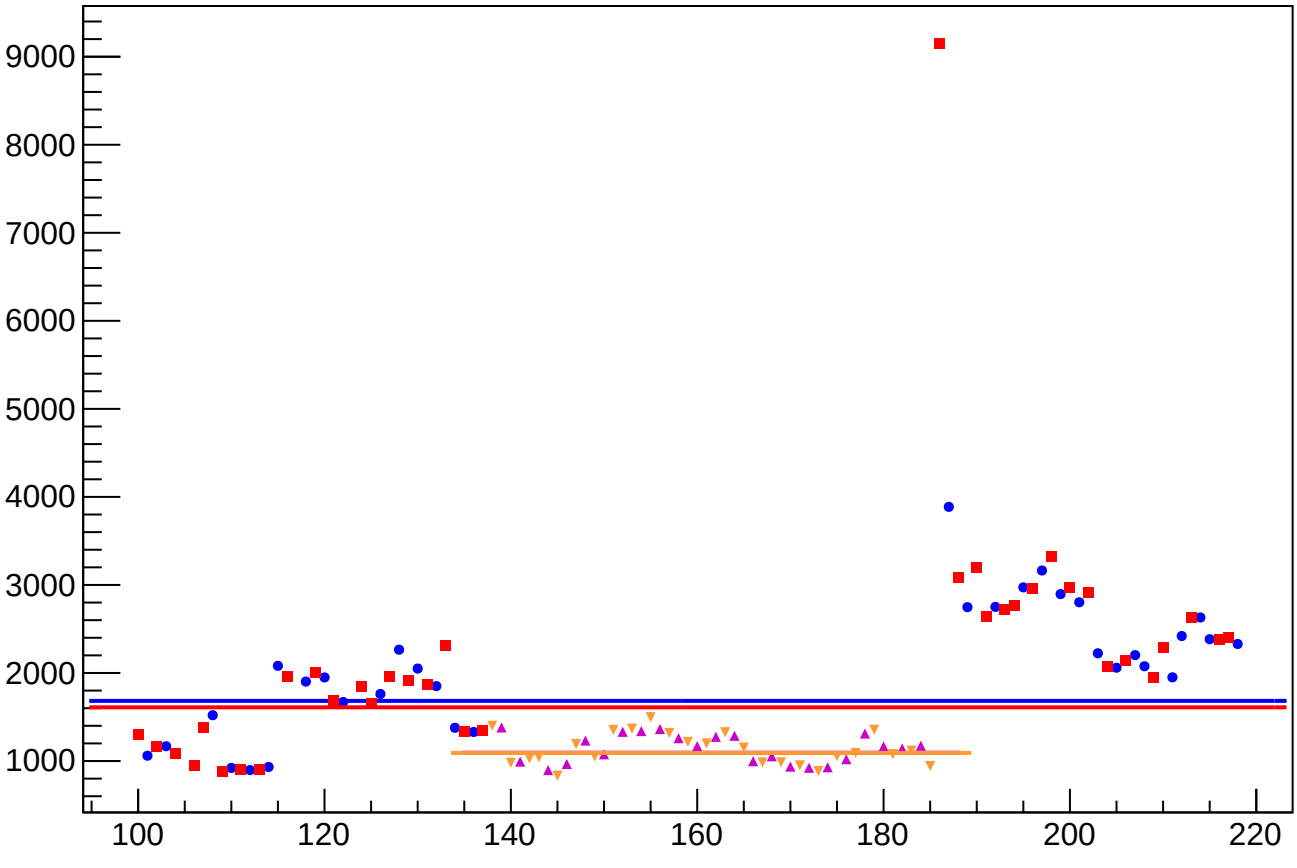
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 333.196+/-280.904 χ^2/NDF: 134.8/67

In: -235.465+/-217.896 χ^2/NDF:82.5/54

Out: -325.211+/-211.745 χ^2/NDF:157.0/60

All: -281.622+/-151.854 χ^2/NDF: 239.6/115



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: 1610.038+/-0.277 χ^2/NDF: 7174031.6/35

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

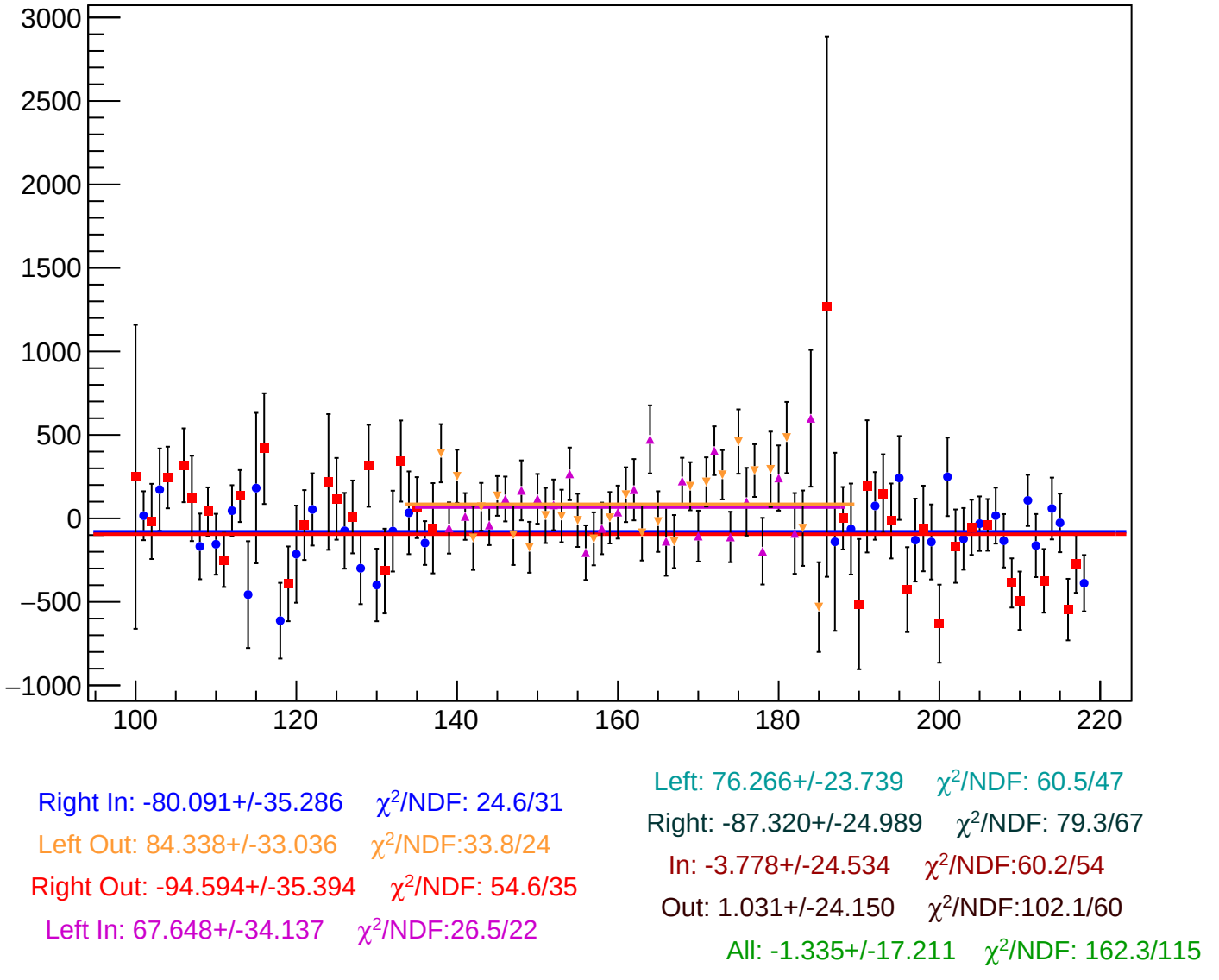
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

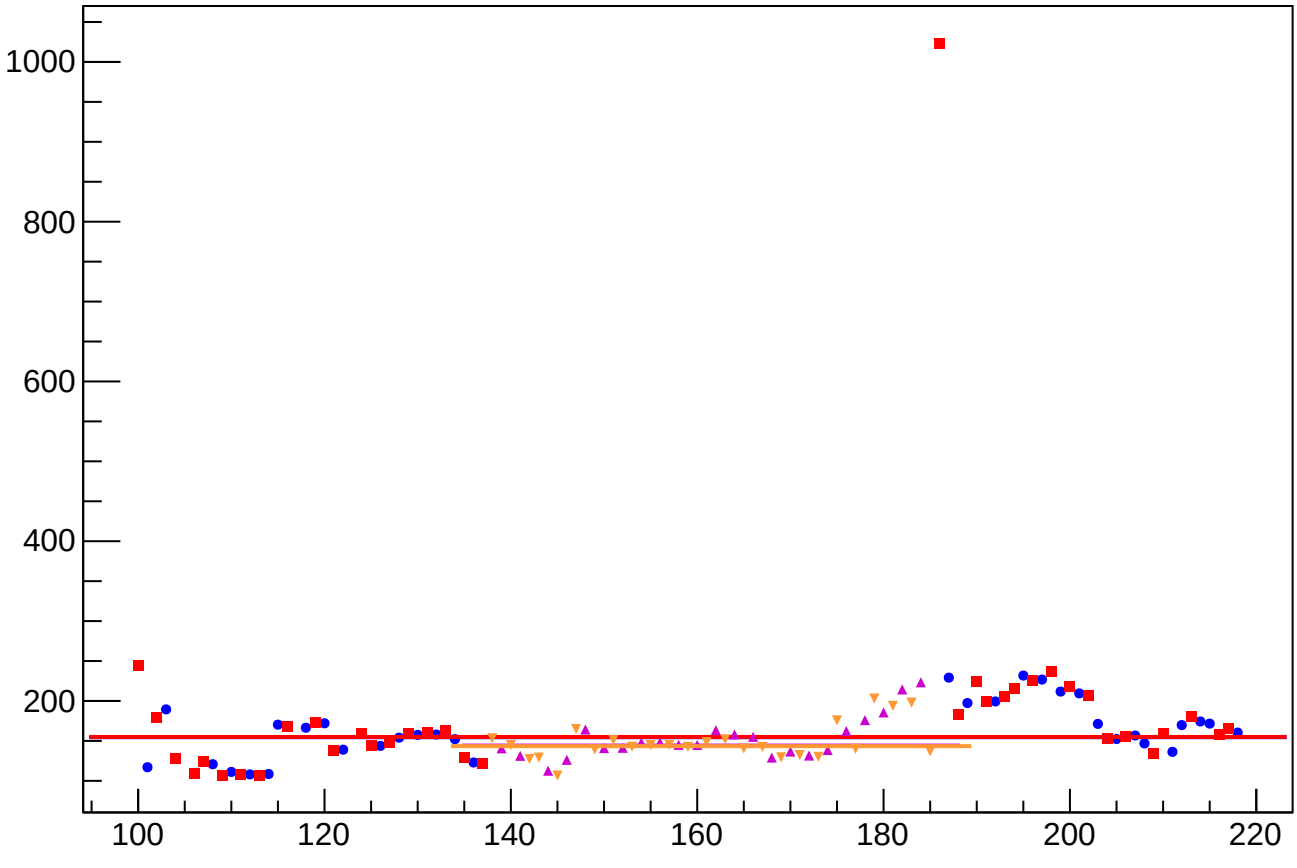
Right: 1645.450+/-0.199 χ^2/NDF: 12502035.7/67

In: 1266.222+/-0.154 χ^2/NDF:9042873.8/54

Out: 1243.595+/-0.150 χ^2/NDF:10544781.9/60

All: 1254.585+/-0.107 χ^2/NDF: 19598747.7/1


eigen_cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: -80.091+/-35.286 χ²/NDF: 24.6/31
Left Out: 84.338+/-33.036 χ²/NDF:33.8/24
Right Out: -94.594+/-35.394 χ²/NDF: 54.6/35
Left In: 67.648+/-34.137 χ²/NDF:26.5/22
Left: 76.266+/-23.739 χ²/NDF: 60.5/47
Right: -87.320+/-24.989 χ²/NDF: 79.3/67
In: -3.778+/-24.534 χ²/NDF:60.2/54
Out: 1.031+/-24.150 χ²/NDF:102.1/60
All: -1.335+/-17.211 χ²/NDF: 162.3/115



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: 154.940+/-0.025 χ^2/NDF: 2530723.2/35

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

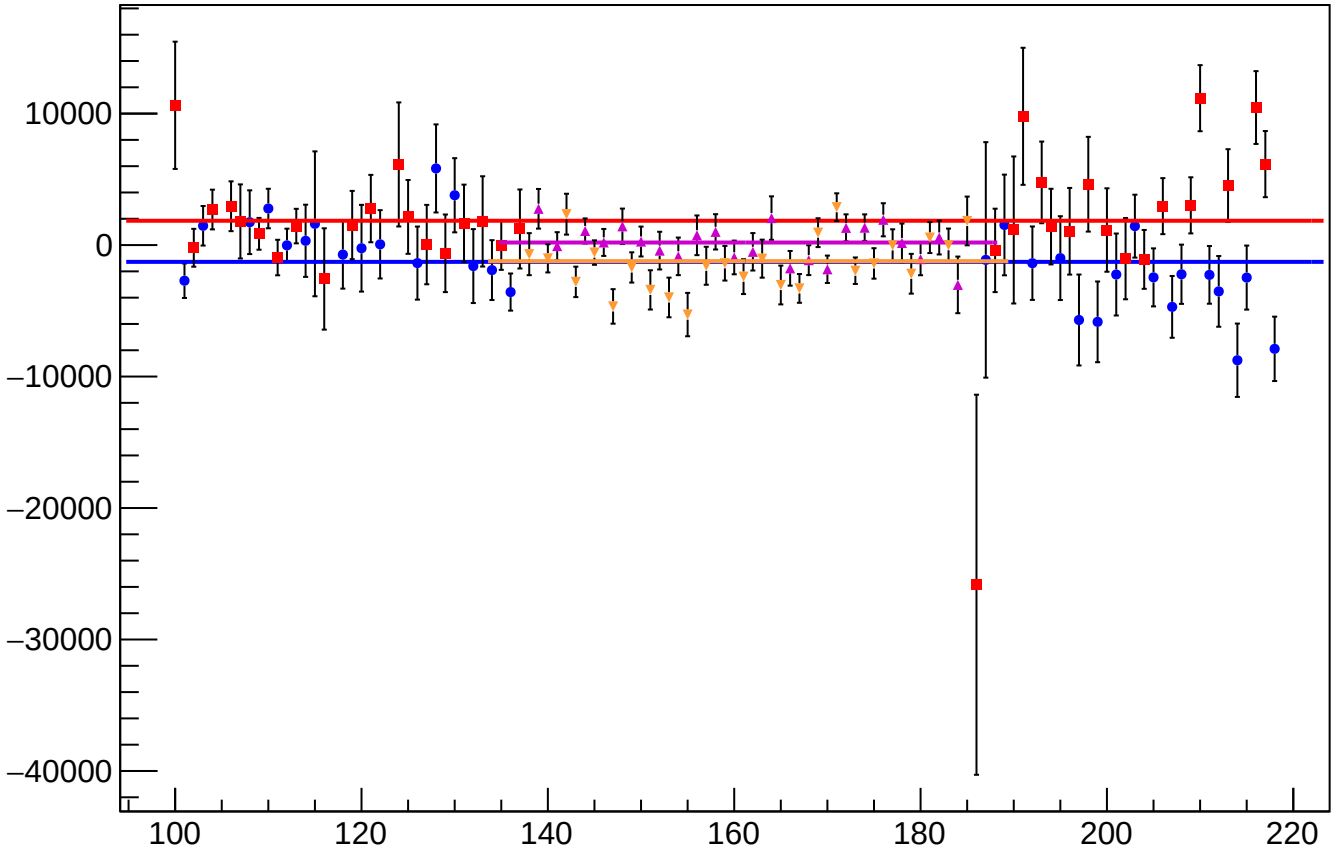
Right: 154.782+/-0.018 χ^2/NDF: 4138977.0/67

In: 149.225+/-0.017 χ^2/NDF:2401572.9/54

Out: 148.796+/-0.017 χ^2/NDF:3390525.6/60

All: 149.007+/-0.012 χ^2/NDF: 5792408.8/115

asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 1849.581+/-391.408 χ^2/NDF: 54.0/35

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

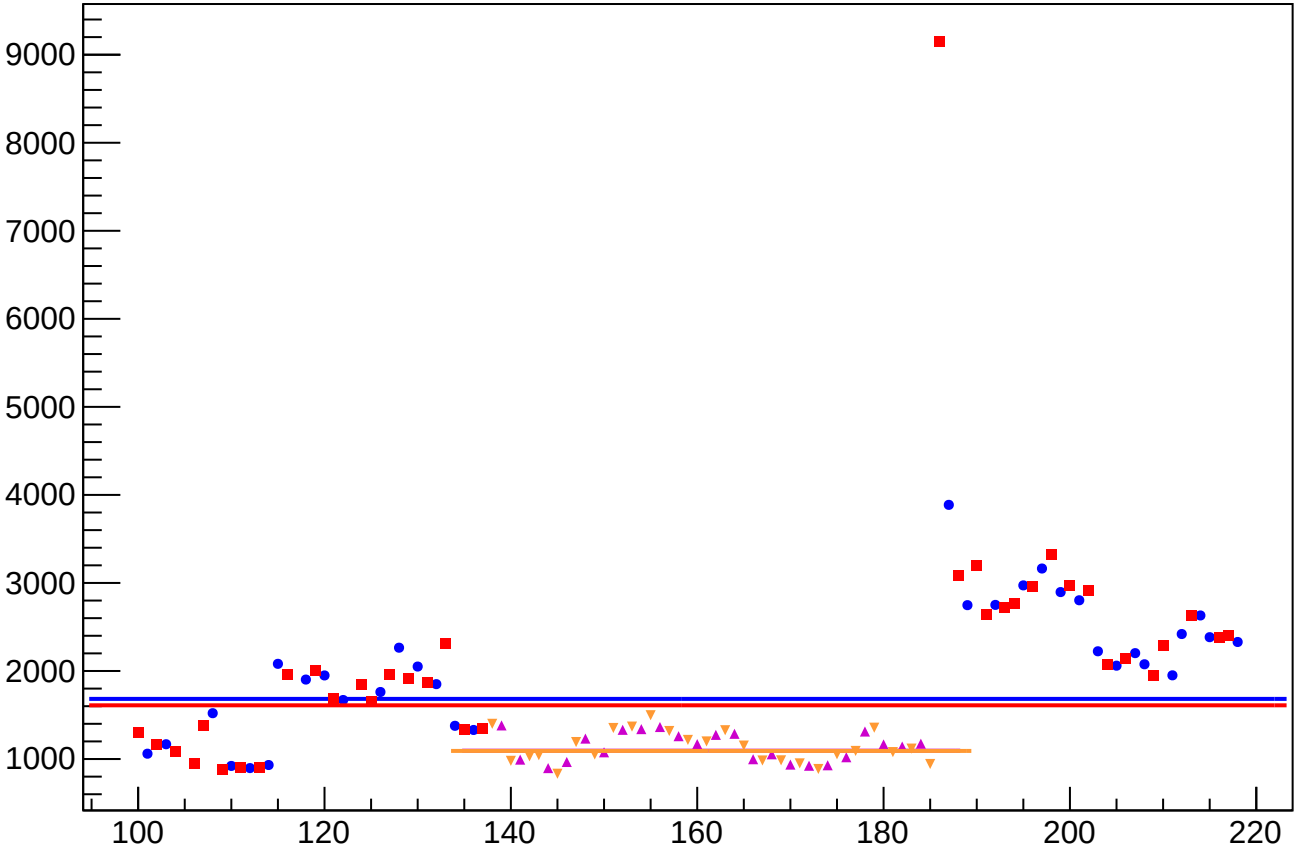
Right: 333.196+/-280.904 χ^2/NDF: 134.8/67

In: -235.465+/-217.896 χ^2/NDF:82.5/54

Out: -325.211+/-211.745 χ^2/NDF:157.0/60

All: -281.622+/-151.854 χ^2/NDF: 239.6/115

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: 1610.038+/-0.277 χ^2/NDF: 7174031.6/35

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

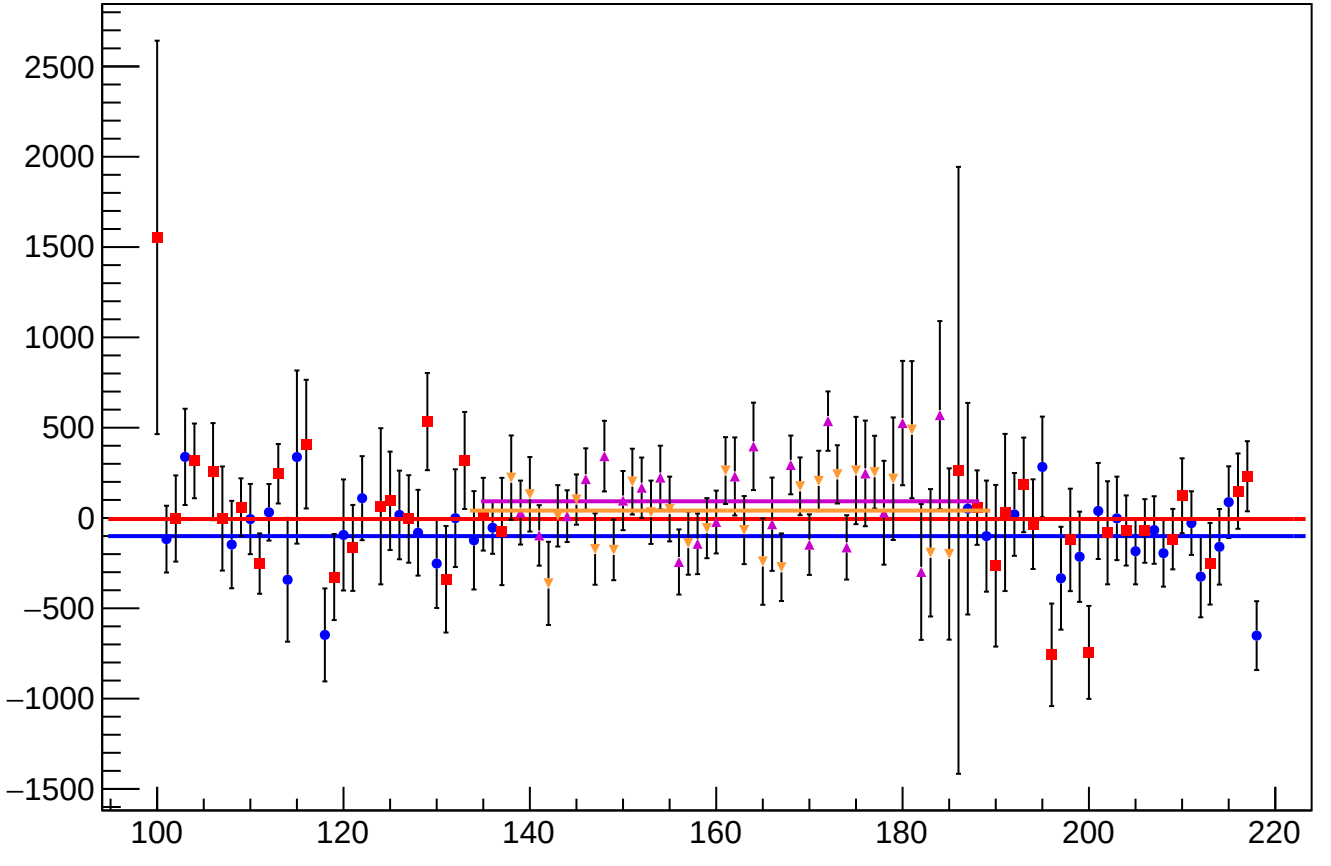
Right: 1645.450+/-0.199 χ^2/NDF: 12502035.7/67

In: 1266.222+/-0.154 χ^2/NDF:9042873.8/54

Out: 1243.595+/-0.150 χ^2/NDF:10544781.9/60

All: 1254.585+/-0.107 χ^2/NDF: 19598747.7/1

dit_asym_sam_48_avg_mean vs Slug, Sign Corrected



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: -5.481+/-39.599 χ^2/NDF: 41.5/35

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

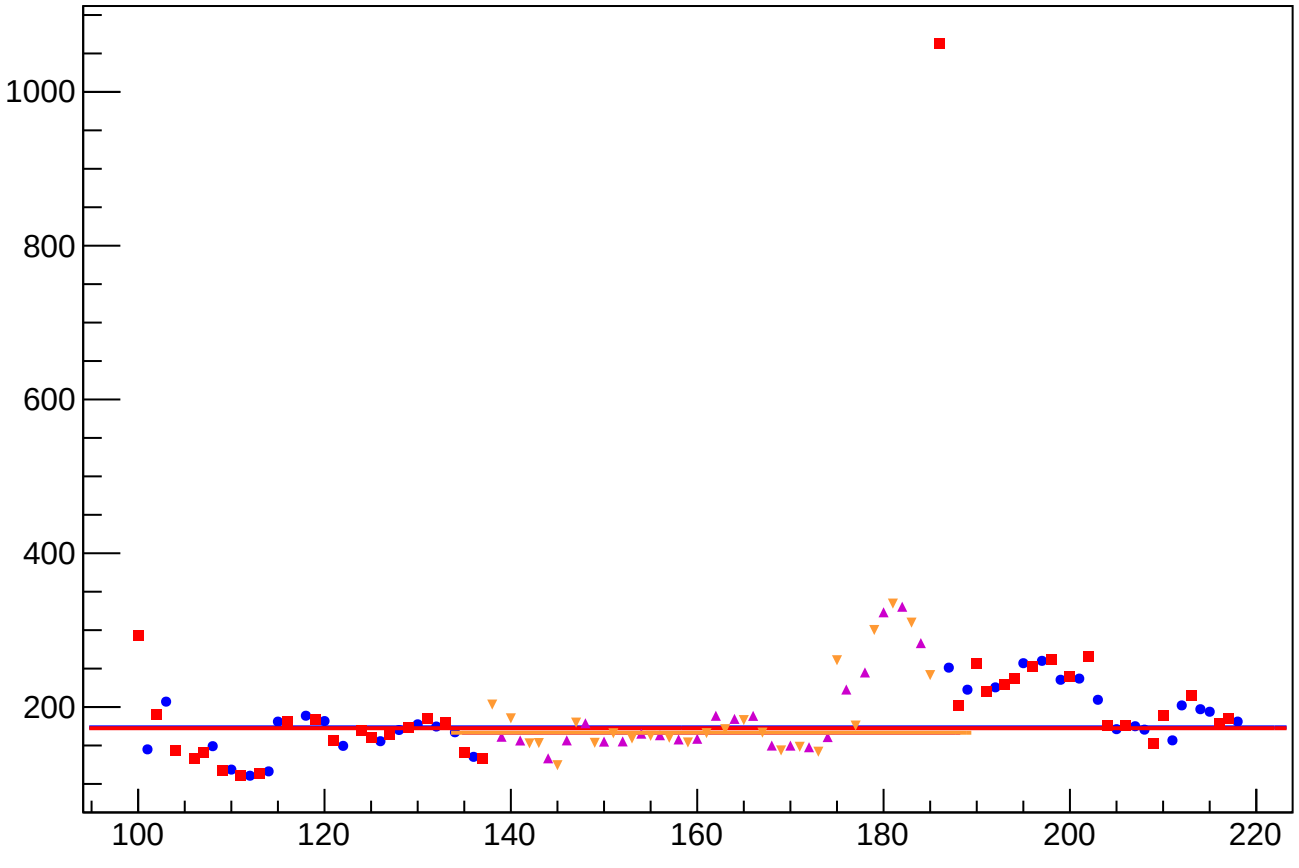
Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

Right: -52.704+/-28.059 χ^2/NDF: 70.2/67

In: -4.851+/-28.258 χ^2/NDF:66.9/54

Out: 18.052+/-27.850 χ^2/NDF:64.5/60

All: 6.767+/-19.836 χ^2/NDF: 131.8/115



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: 172.460+/-0.028 χ^2/NDF: 2769028.7/35

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

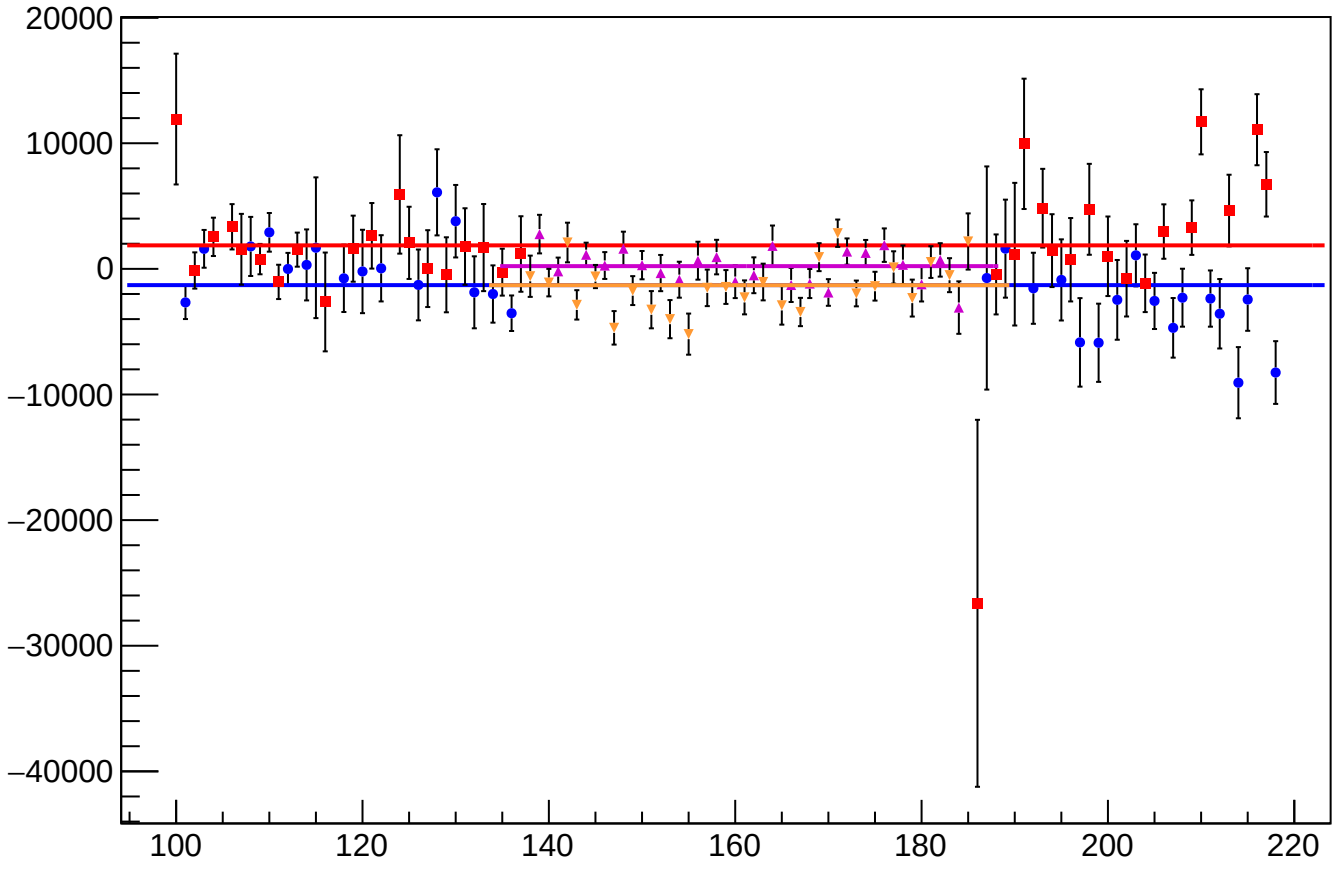
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 173.022+/-0.020 χ^2/NDF: 4530755.9/67

In: 169.985+/-0.020 χ^2/NDF:3186578.0/54

Out: 169.498+/-0.020 χ^2/NDF:4511007.2/60

All: 169.738+/-0.014 χ^2/NDF: 7697887.4/115



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: 1870.241+/-395.046 χ^2/NDF: 57.7/35

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

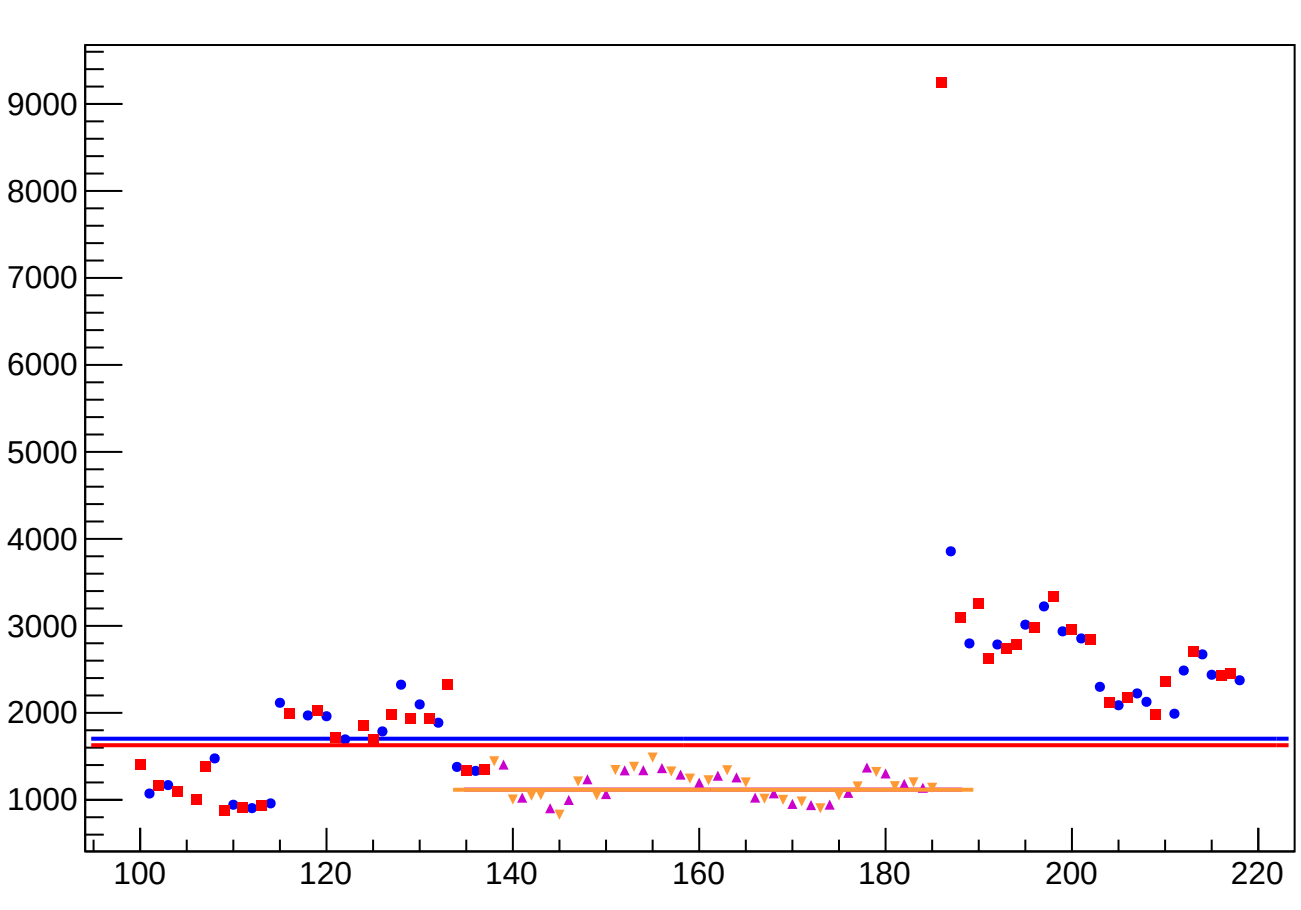
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 341.120+/-283.996 χ^2/NDF: 139.5/67

In: -228.908+/-221.965 χ^2/NDF:82.7/54

Out: -356.293+/-215.402 χ^2/NDF:158.0/60

All: -294.511+/-154.581 χ^2/NDF: 240.9/115



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: 1627.992+/-0.279 χ^2/NDF: 7175751.2/35

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

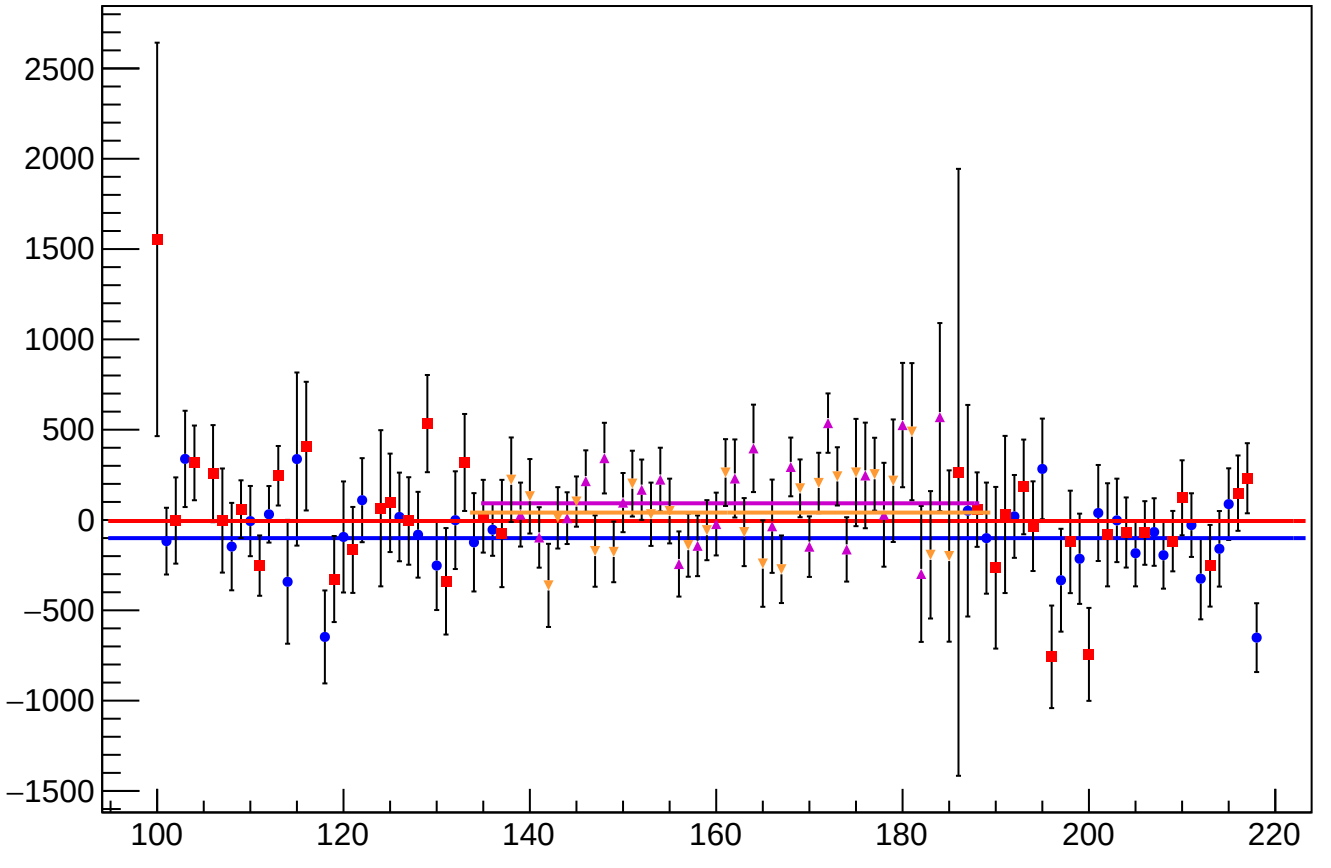
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

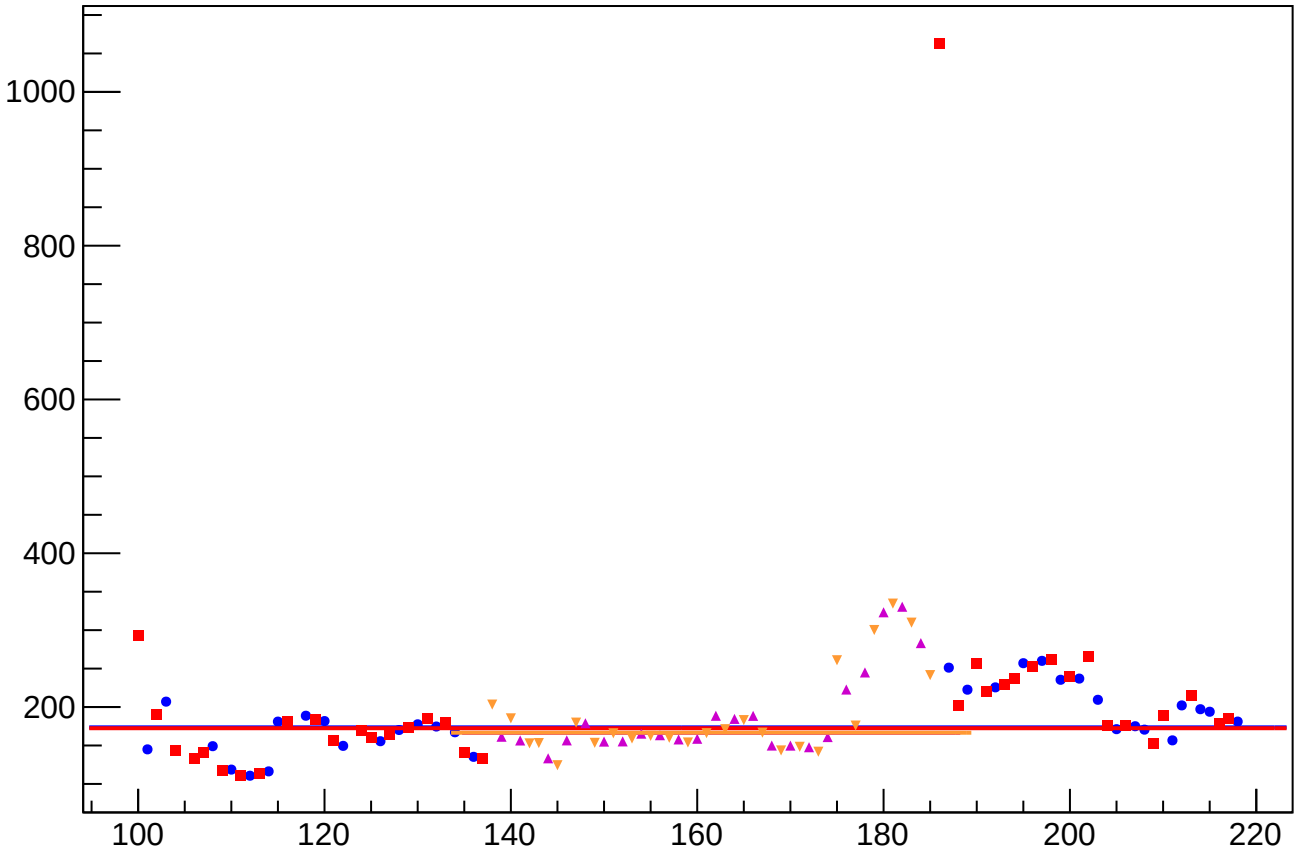
Right: 1664.131+/-0.201 χ^2/NDF: 12605542.3/67

In: 1290.489+/-0.157 χ^2/NDF:9014252.0/54

Out: 1268.243+/-0.152 χ^2/NDF:10403554.8/60

All: 1279.032+/-0.109 χ^2/NDF: 19428153.4/


eigen_dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -100.314+/-39.763 χ²/NDF: 25.8/31
Left Out: 41.088+/-39.177 χ²/NDF:22.3/24
Right Out: -5.484+/-39.599 χ²/NDF: 41.5/35
Left In: 92.556+/-40.165 χ²/NDF:29.5/22
Left: 66.181+/-28.045 χ²/NDF: 52.7/47
Right: -52.703+/-28.059 χ²/NDF: 70.2/67
In: -4.849+/-28.258 χ²/NDF:66.9/54
Out: 18.052+/-27.850 χ²/NDF:64.5/60
All: 6.768+/-19.836 χ²/NDF: 131.8/115



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: 172.460+/-0.028 χ^2/NDF: 2769030.6/35

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

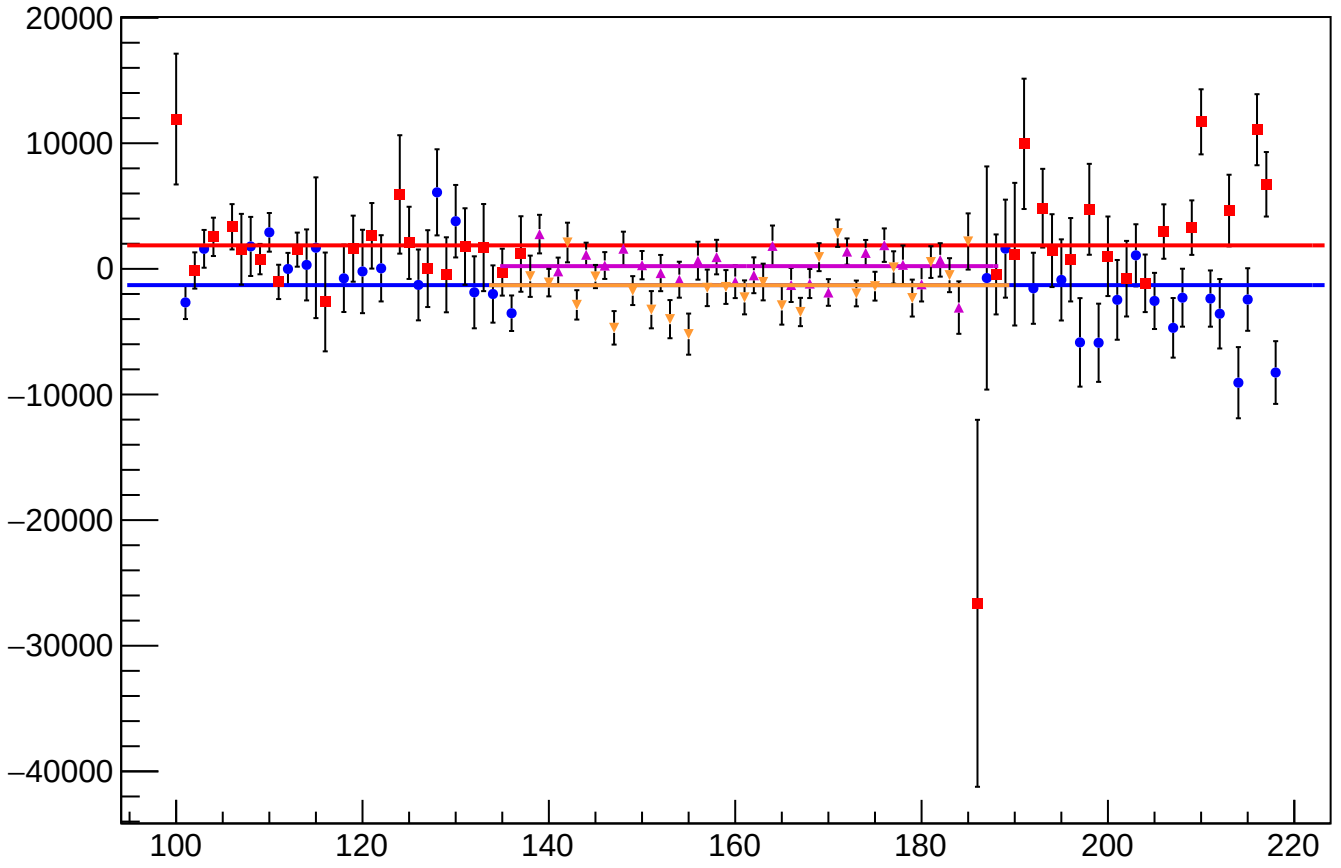
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 173.022+/-0.020 χ^2/NDF: 4530738.0/67

In: 169.986+/-0.020 χ^2/NDF:3186534.9/54

Out: 169.498+/-0.020 χ^2/NDF:4511000.4/60

All: 169.738+/-0.014 χ^2/NDF: 7697837.5/115



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: 1870.237+/-395.046 χ^2/NDF: 57.7/35

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

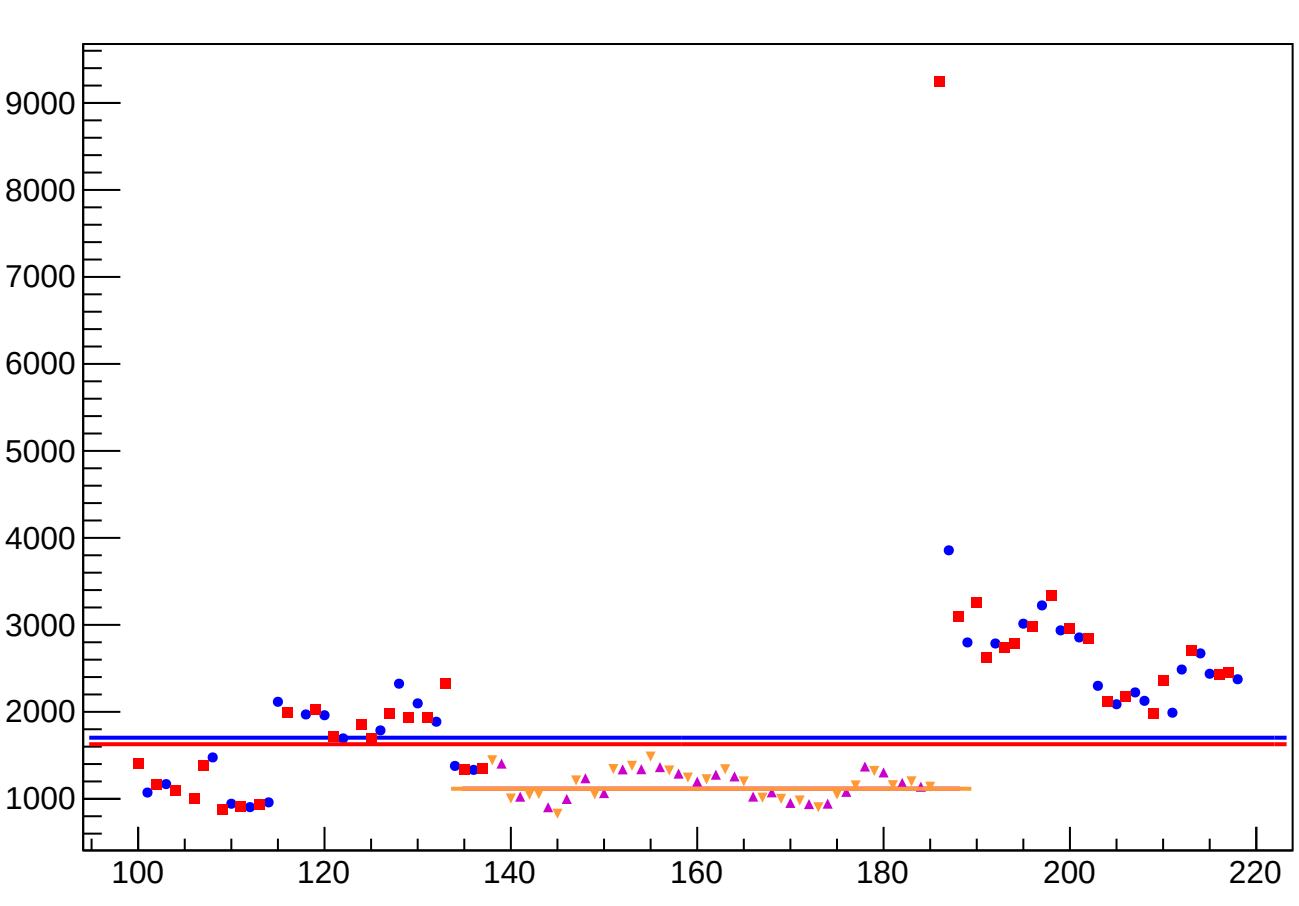
Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

Right: 341.119+/-283.996 χ^2/NDF: 139.5/67

In: -228.908+/-221.965 χ^2/NDF:82.7/54

Out: -356.293+/-215.402 χ^2/NDF:158.0/60

All: -294.511+/-154.580 χ^2/NDF: 240.9/115



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: 1627.990+/-0.279 χ^2/NDF: 7175752.4/35

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

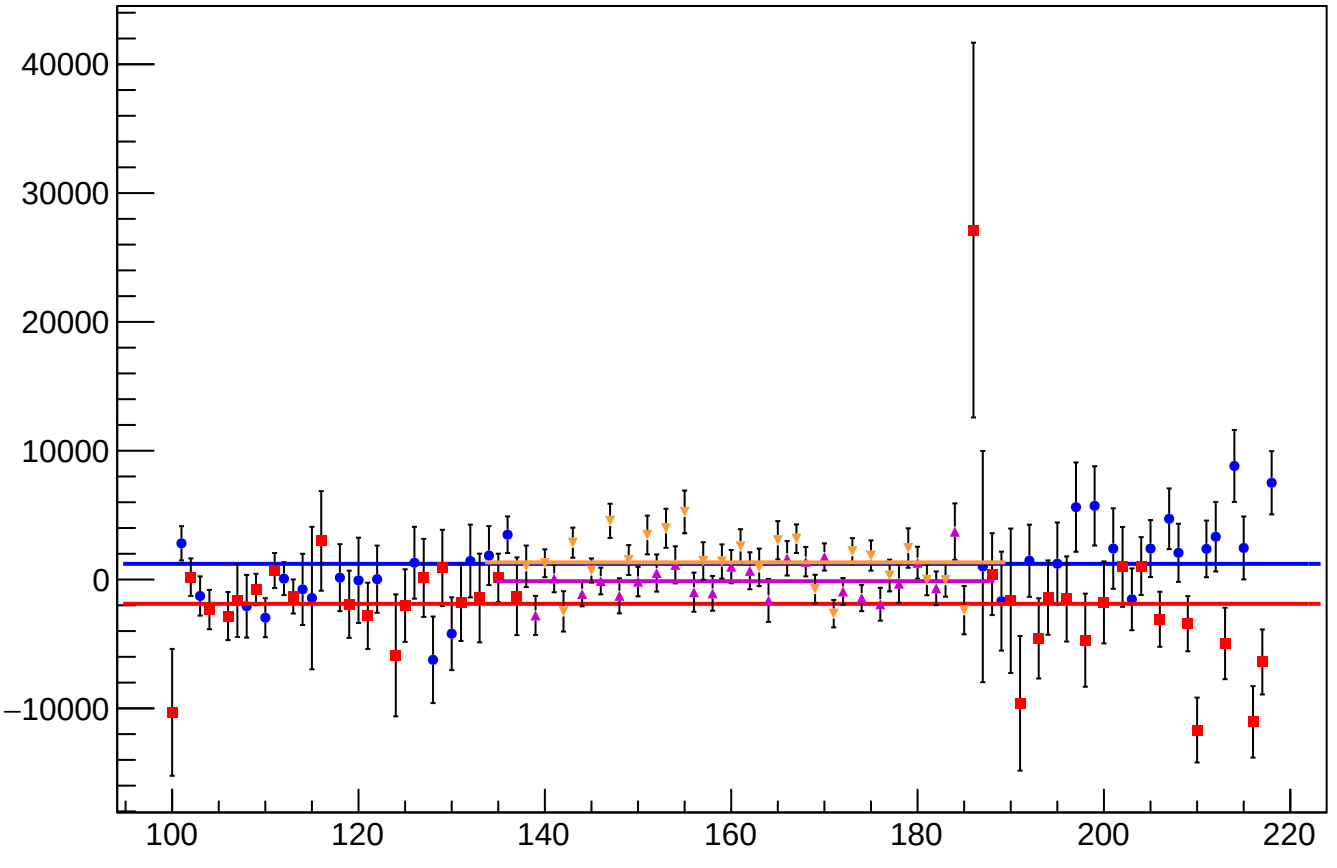
Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

Right: 1664.130+/-0.201 χ^2/NDF: 12605545.1/67

In: 1290.487+/-0.157 χ^2/NDF:9014261.4/54

Out: 1268.241+/-0.152 χ^2/NDF:10403566.8/60

All: 1279.030+/-0.109 χ^2/NDF: 19428174.8/1



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: -1884.315+/-393.279 χ^2/NDF: 56.8/35

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

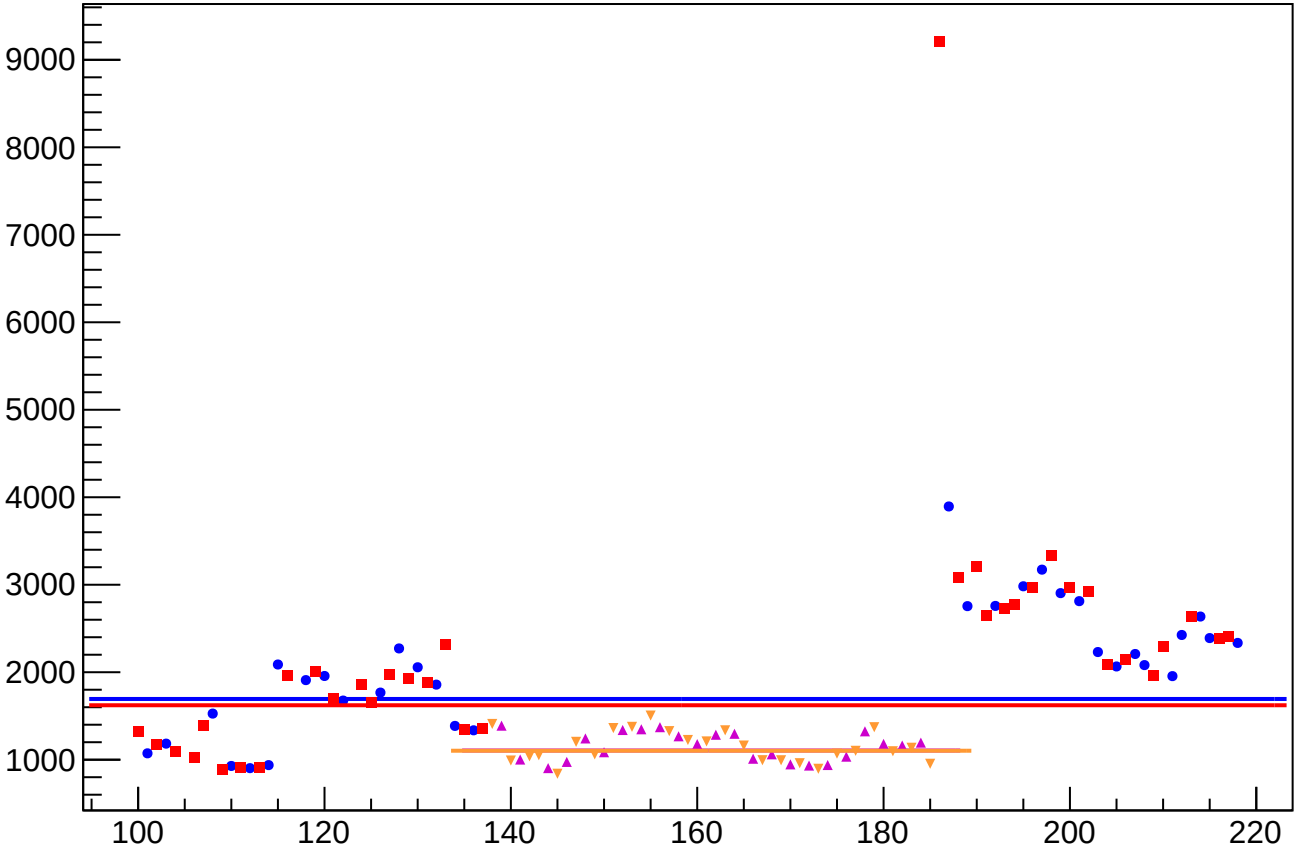
Right: -380.780+/-282.377 χ^2/NDF: 137.4/67

In: 266.989+/-219.746 χ^2/NDF:82.2/54

Out: 386.214+/-213.479 χ^2/NDF:159.8/60

All: 328.326+/-153.120 χ^2/NDF: 242.1/115

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: 1622.496+/-0.278 χ^2/NDF: 7069643.0/35

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

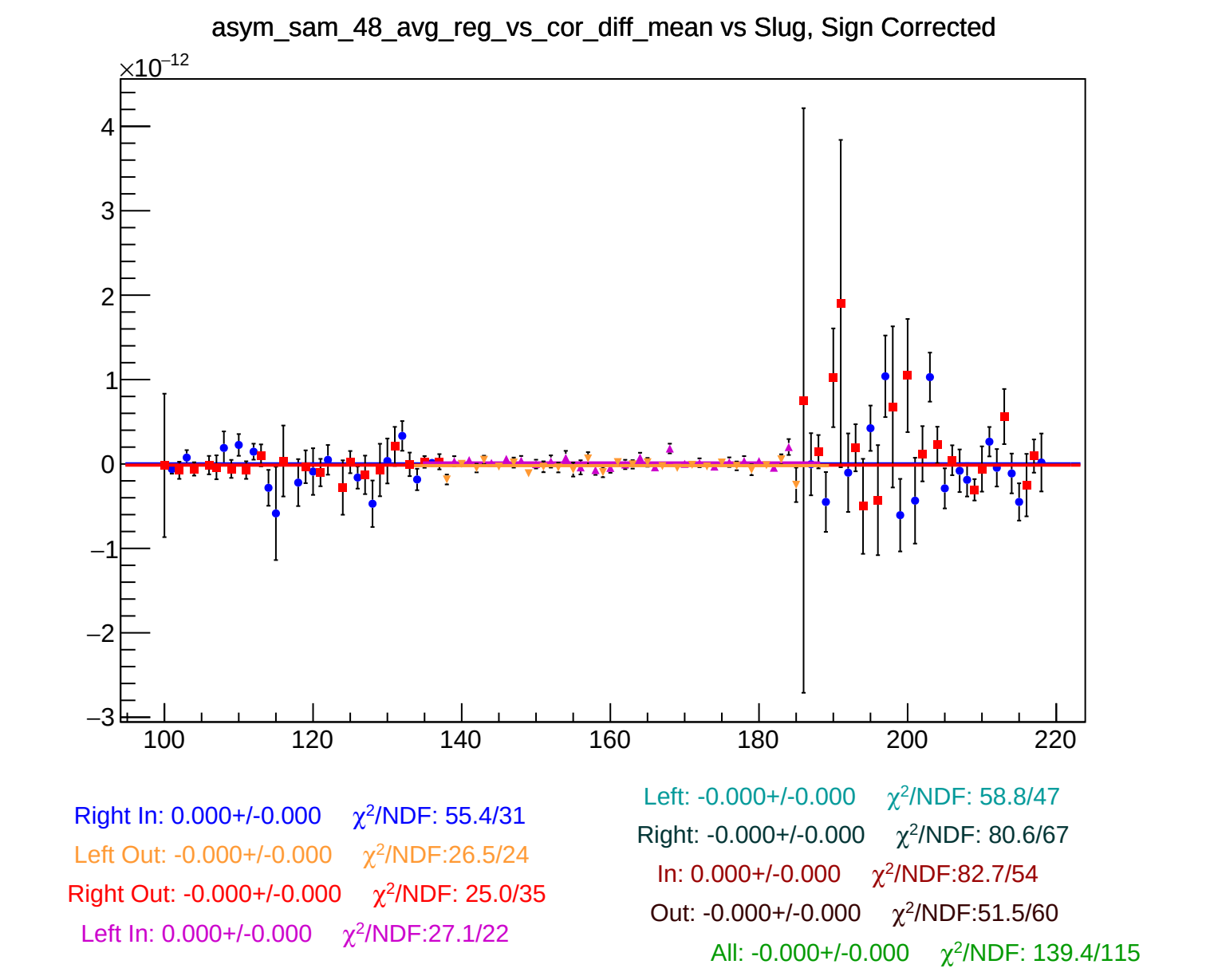
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

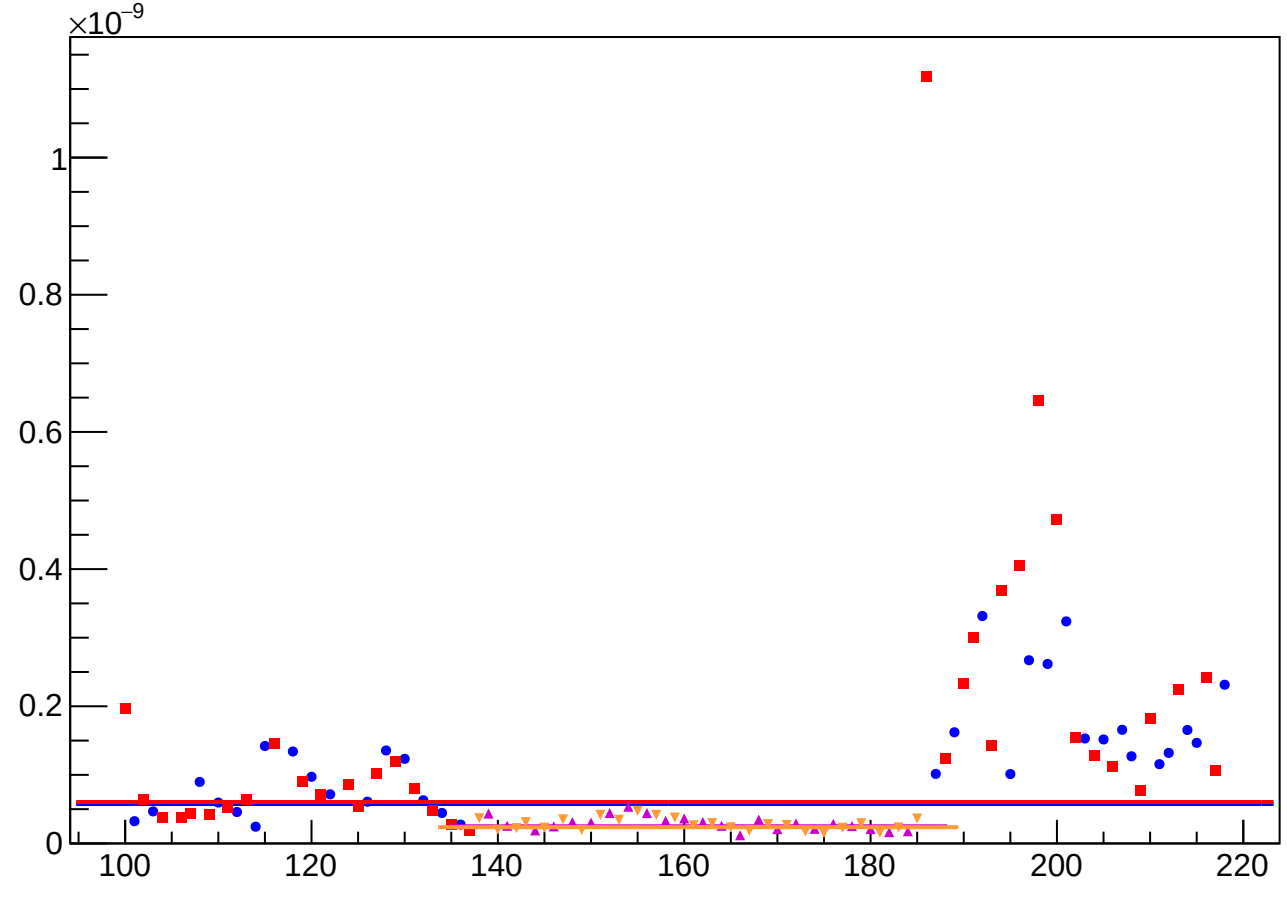
Right: 1657.344+/-0.200 χ^2/NDF: 12325765.3/67

In: 1278.073+/-0.155 χ^2/NDF:8928137.3/54

Out: 1255.859+/-0.151 χ^2/NDF:10414440.1/60

All: 1266.645+/-0.108 χ^2/NDF: 19353092.3/1


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: 25.0/35
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: 80.6/67
In: 0.000+/-0.000 χ²/NDF:82.7/54
Out: -0.000+/-0.000 χ²/NDF:51.5/60
All: -0.000+/-0.000 χ²/NDF: 139.4/115



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: 7128946.1/35

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

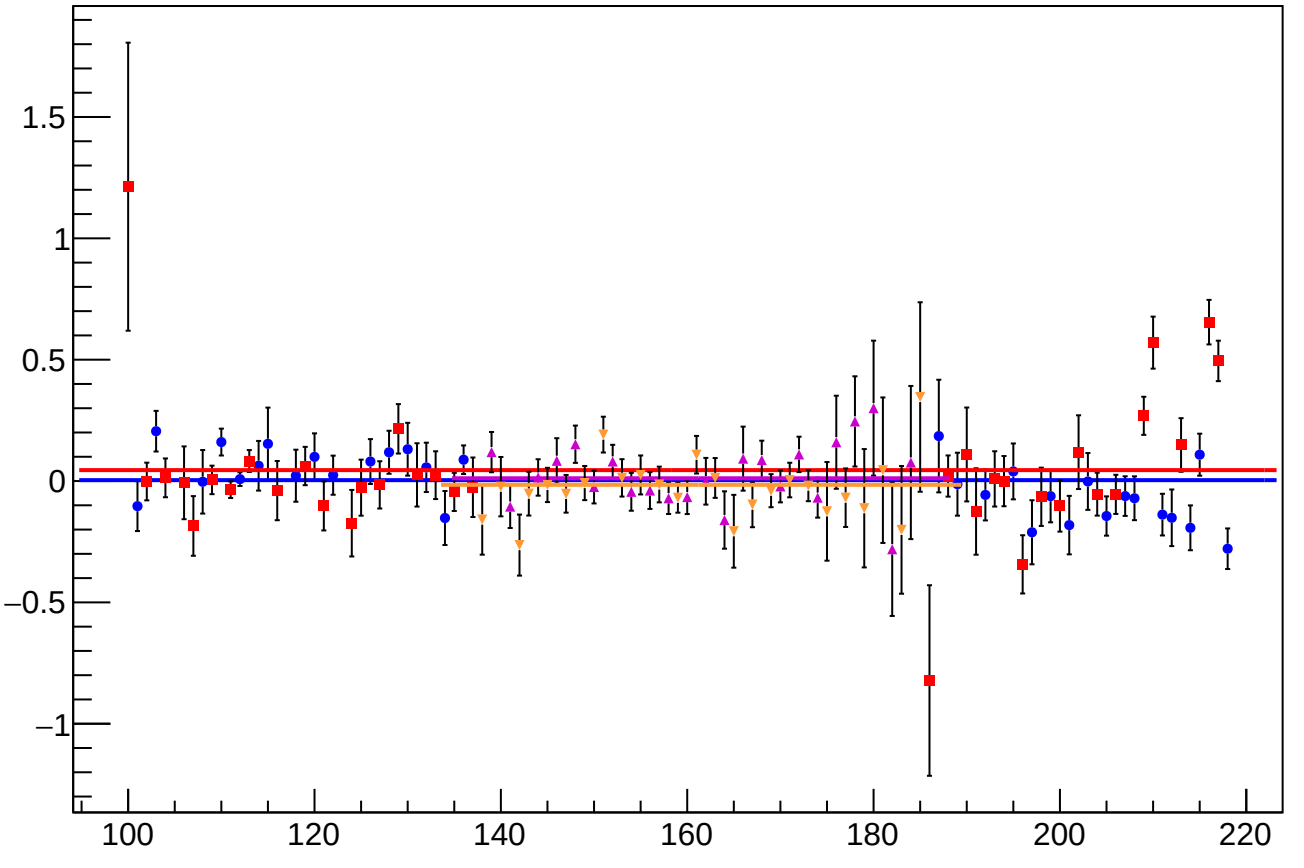
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 14298233.5/67

In: 0.000+/-0.000 χ^2/NDF:11618331.0/54

Out: 0.000+/-0.000 χ^2/NDF:12017565.1/60

All: 0.000+/-0.000 χ^2/NDF: 23685035.5/115



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: 0.045+/-0.015 χ^2/NDF: 154.0/35

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

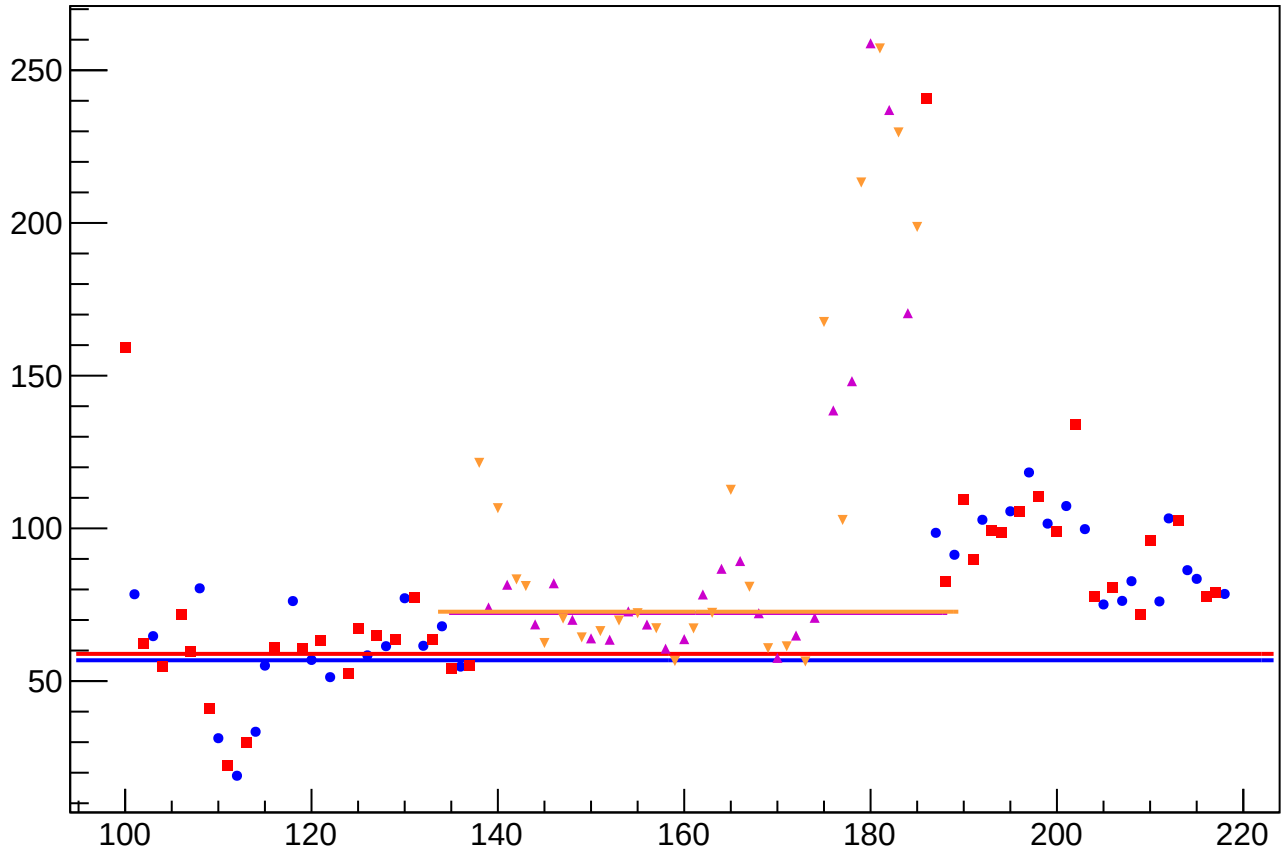
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.024+/-0.010 χ^2/NDF: 216.4/67

In: 0.007+/-0.011 χ^2/NDF:81.8/54

Out: 0.021+/-0.011 χ^2/NDF:182.4/60

All: 0.014+/-0.008 χ^2/NDF: 265.1/115



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: 58.908+/-0.010 χ^2/NDF: 7277562.8/35

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

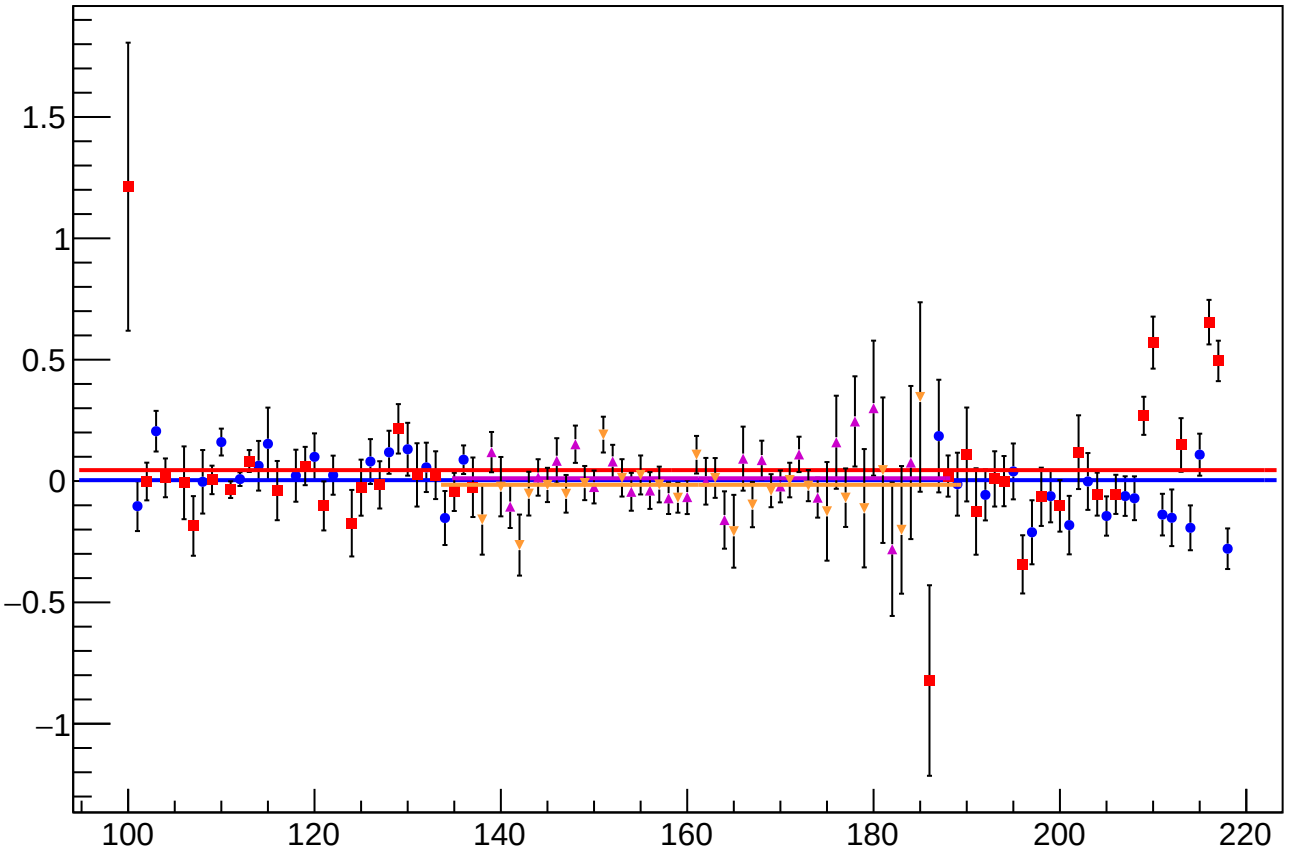
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 57.851+/-0.007 χ^2/NDF: 15456937.9/67

In: 62.830+/-0.008 χ^2/NDF:11828811.1/54

Out: 64.443+/-0.008 χ^2/NDF:11946801.3/60

All: 63.637+/-0.006 χ^2/NDF: 23795717.7/115



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: 0.045+/-0.015 χ^2/NDF: 154.0/35

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

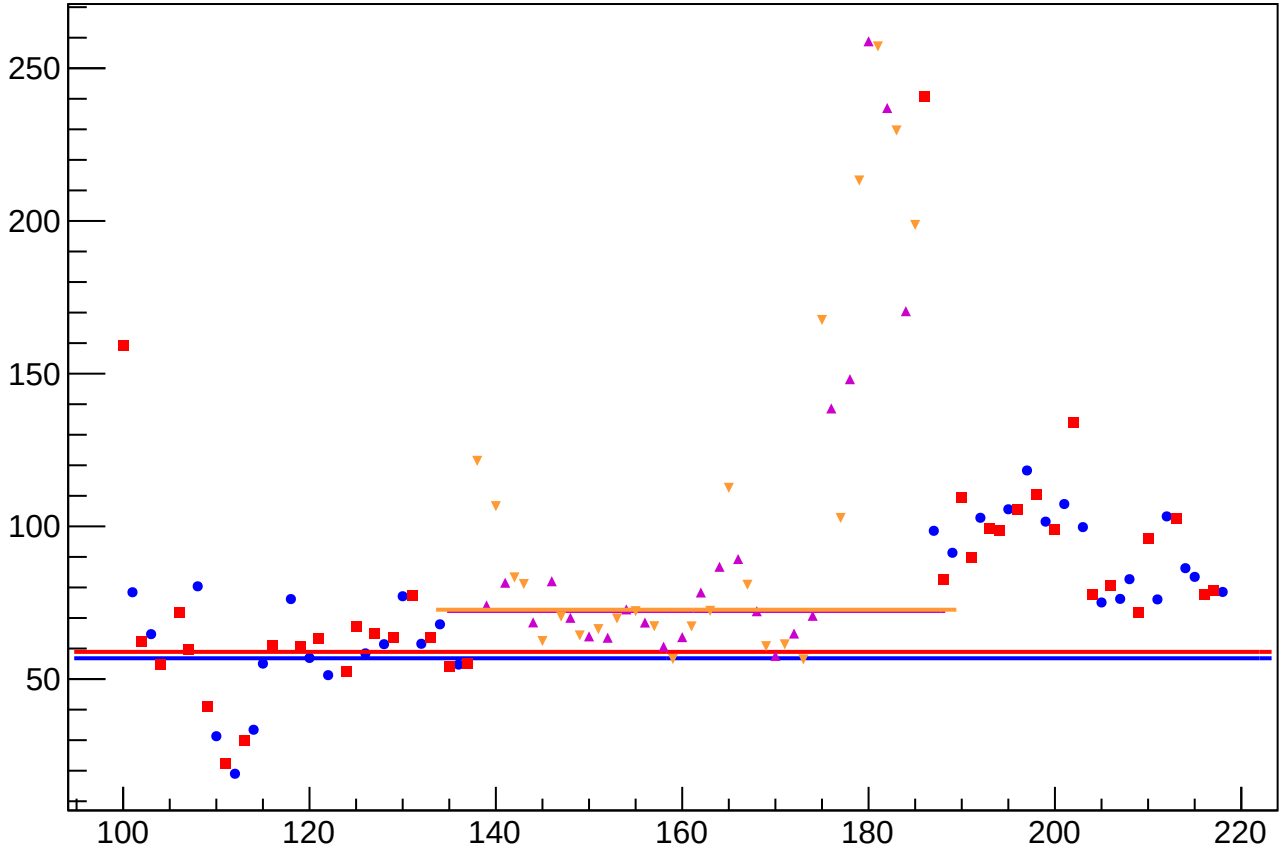
Right: 0.024+/-0.010 χ^2/NDF: 216.4/67

In: 0.007+/-0.011 χ^2/NDF:81.8/54

Out: 0.021+/-0.011 χ^2/NDF:182.4/60

All: 0.014+/-0.008 χ^2/NDF: 265.1/115

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: 58.908+/-0.010 χ^2/NDF: 7277562.8/35

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

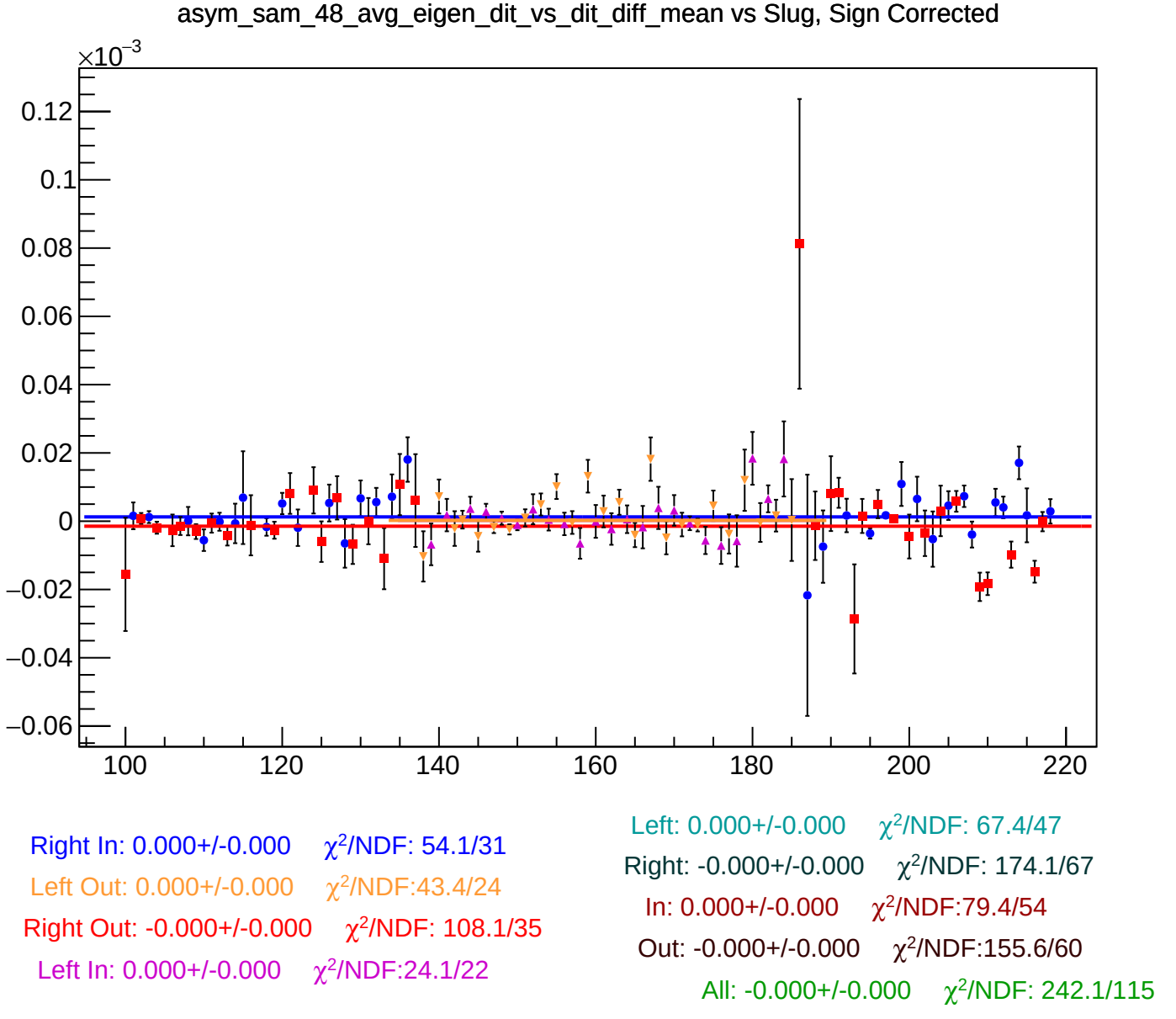
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 57.851+/-0.007 χ^2/NDF: 15456937.9/67

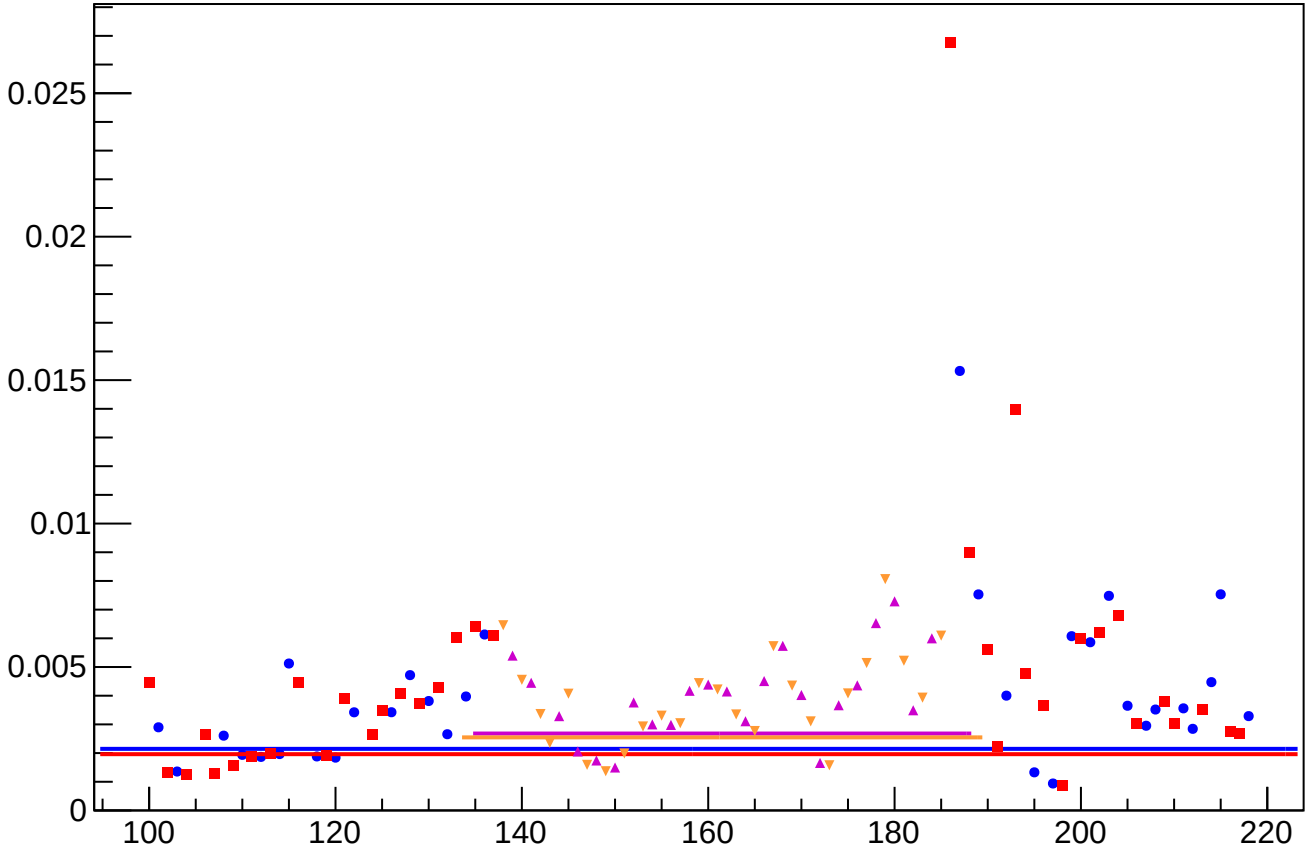
In: 62.830+/-0.008 χ^2/NDF:11828811.1/54

Out: 64.443+/-0.008 χ^2/NDF:11946801.3/60

All: 63.637+/-0.006 χ^2/NDF: 23795717.7/115


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 54.1/31
Left Out: 0.000+/-0.000 χ²/NDF:43.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 108.1/35
Left In: 0.000+/-0.000 χ²/NDF:24.1/22
Left: 0.000+/-0.000 χ²/NDF: 67.4/47
Right: -0.000+/-0.000 χ²/NDF: 174.1/67
In: 0.000+/-0.000 χ²/NDF:79.4/54
Out: -0.000+/-0.000 χ²/NDF:155.6/60
All: -0.000+/-0.000 χ²/NDF: 242.1/115

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: 13389113.8/35

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

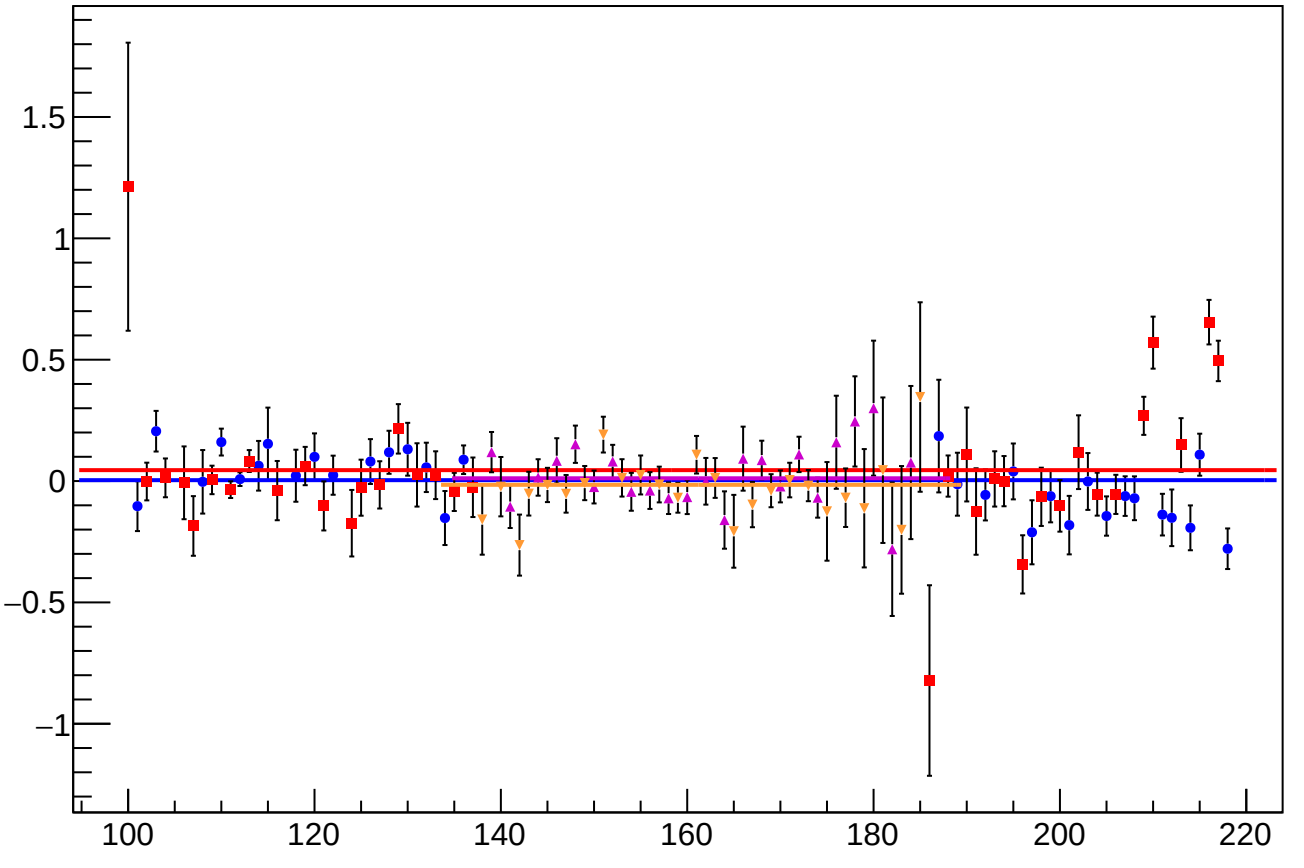
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 24241181.6/67

In: 0.002+/-0.000 χ^2/NDF:17926801.6/54

Out: 0.002+/-0.000 χ^2/NDF:21846129.4/60

All: 0.002+/-0.000 χ^2/NDF: 39919790.0/115



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: 0.045+/-0.015 χ^2/NDF: 154.0/35

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

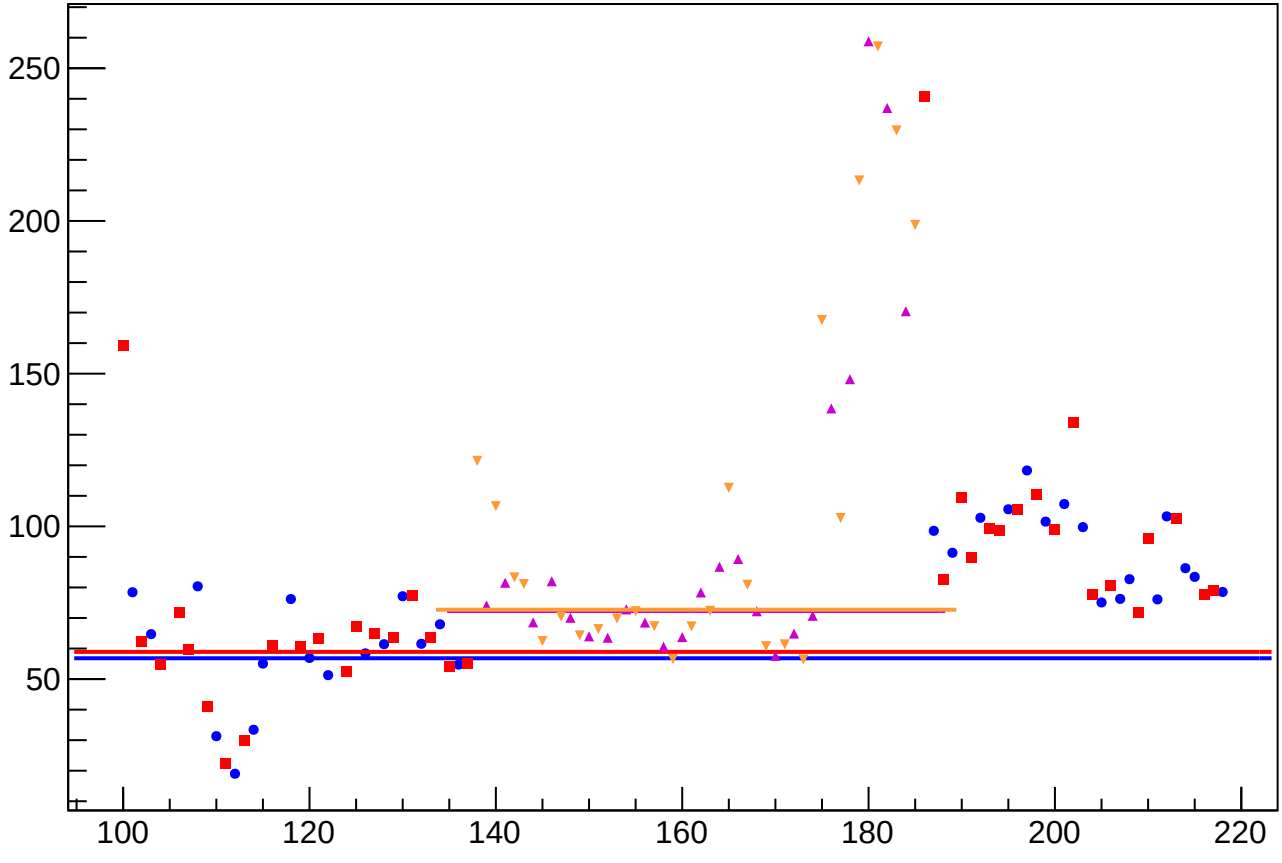
Right: 0.024+/-0.010 χ^2/NDF: 216.4/67

In: 0.007+/-0.011 χ^2/NDF:81.8/54

Out: 0.021+/-0.011 χ^2/NDF:182.4/60

All: 0.014+/-0.008 χ^2/NDF: 265.0/115

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: 58.907+/-0.010 χ^2/NDF: 7277907.8/35

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

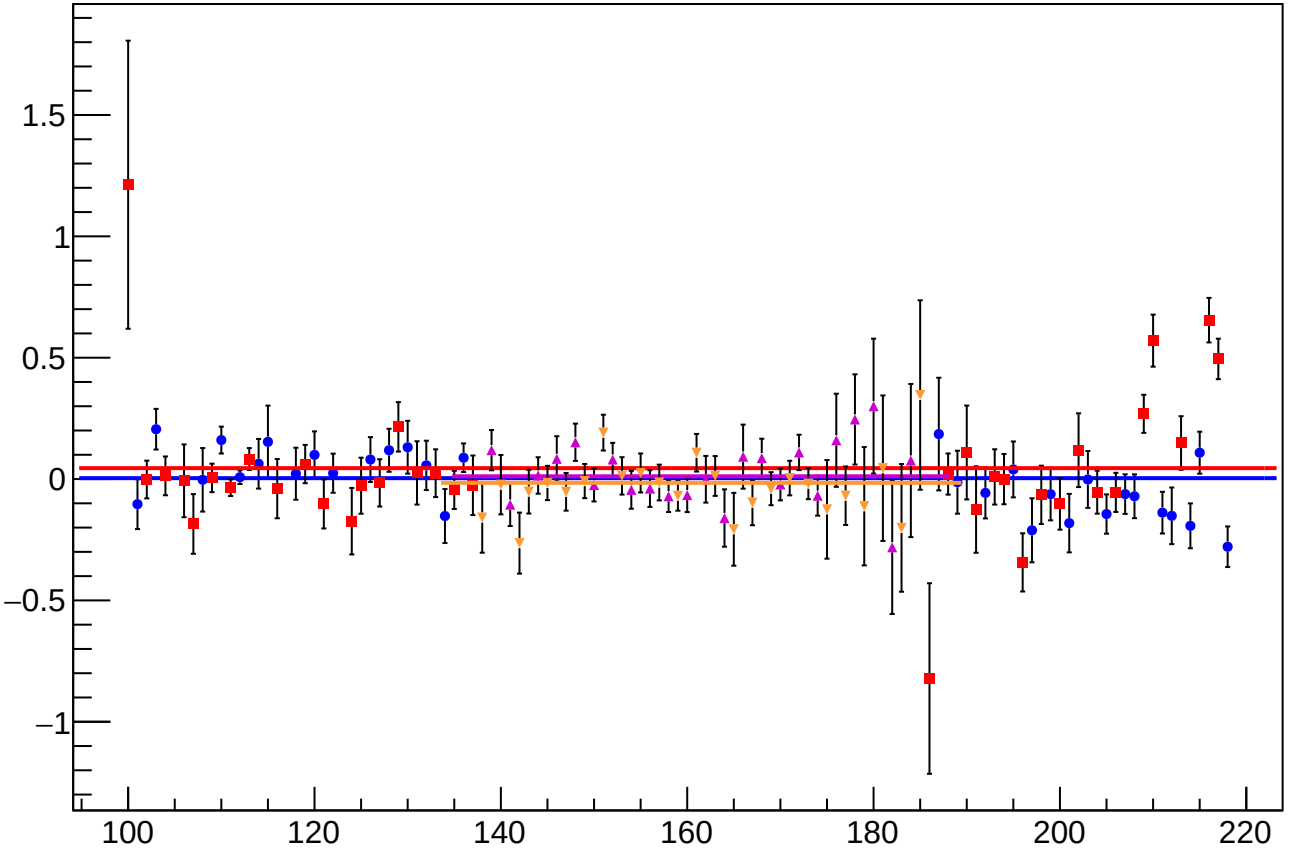
Right: 57.851+/-0.007 χ^2/NDF: 15457580.0/67

In: 62.830+/-0.008 χ^2/NDF:11829215.5/54

Out: 64.443+/-0.008 χ^2/NDF:11947240.1/60

All: 63.637+/-0.006 χ^2/NDF: 23796563.7/115

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.045+/-0.015 χ^2/NDF: 154.0/35

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

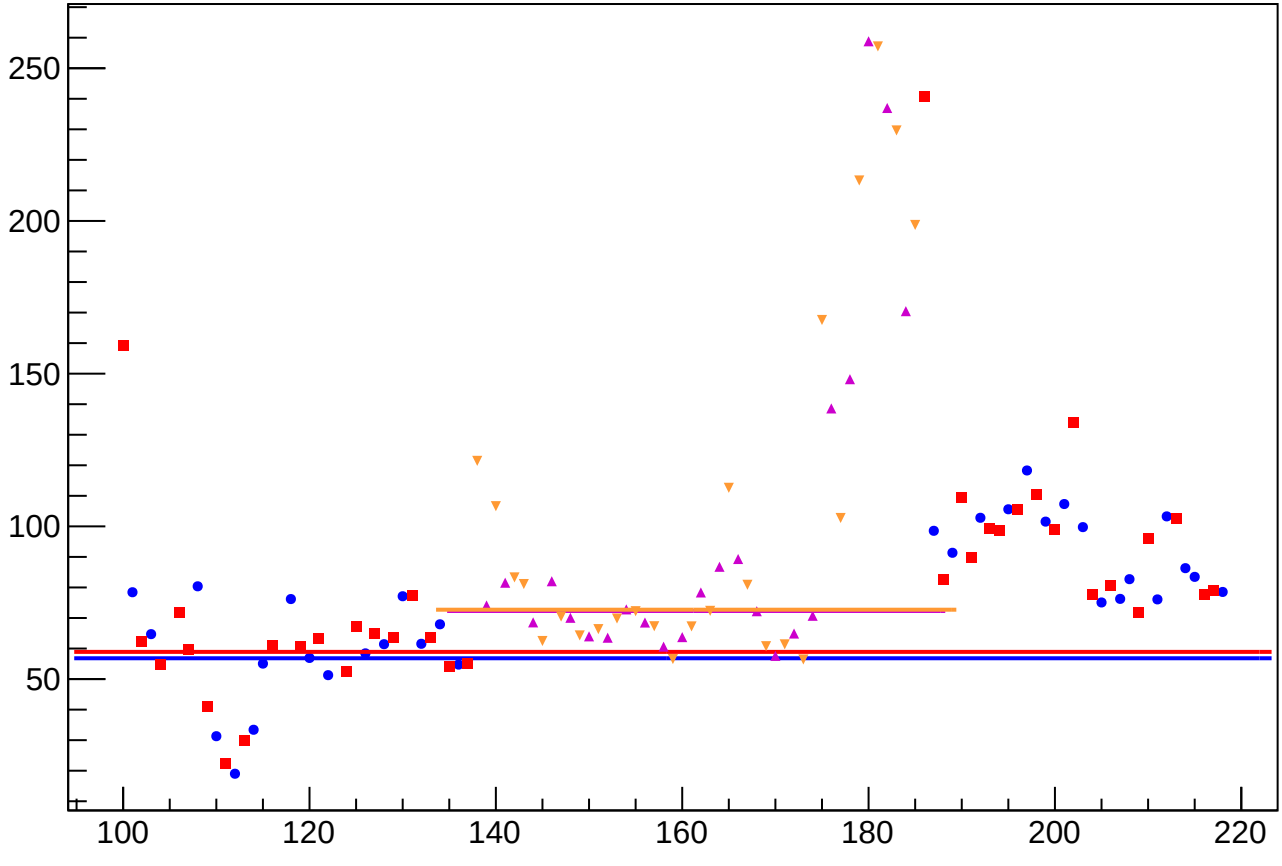
Right: 0.024+/-0.010 χ^2/NDF: 216.4/67

In: 0.007+/-0.011 χ^2/NDF:81.8/54

Out: 0.021+/-0.011 χ^2/NDF:182.4/60

All: 0.014+/-0.008 χ^2/NDF: 265.0/115

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: 58.907+/-0.010 χ^2/NDF: 7277907.8/35

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

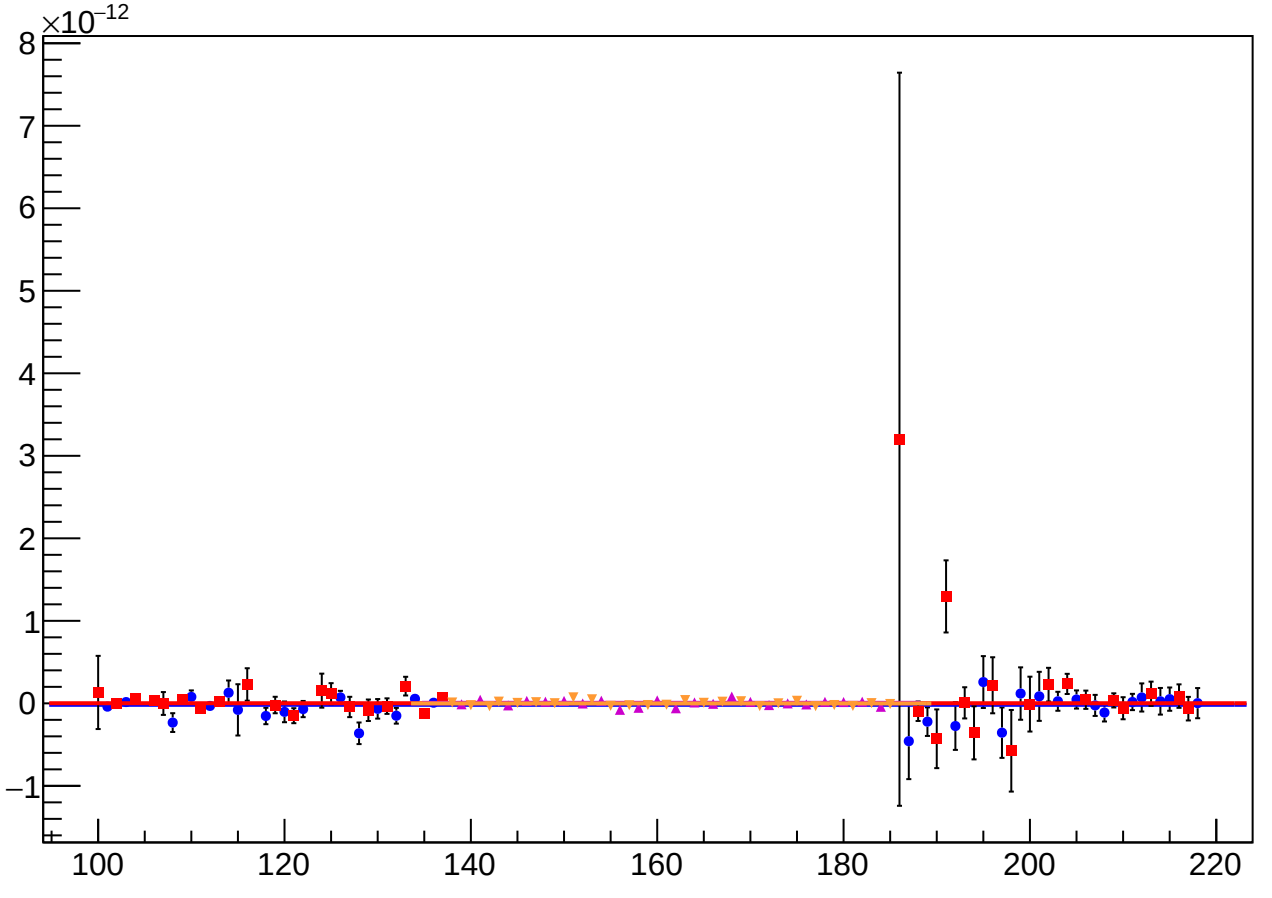
Right: 57.851+/-0.007 χ^2/NDF: 15457580.0/67

In: 62.830+/-0.008 χ^2/NDF:11829215.5/54

Out: 64.443+/-0.008 χ^2/NDF:11947240.1/60

All: 63.637+/-0.006 χ^2/NDF: 23796563.7/115

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: 44.5/35

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

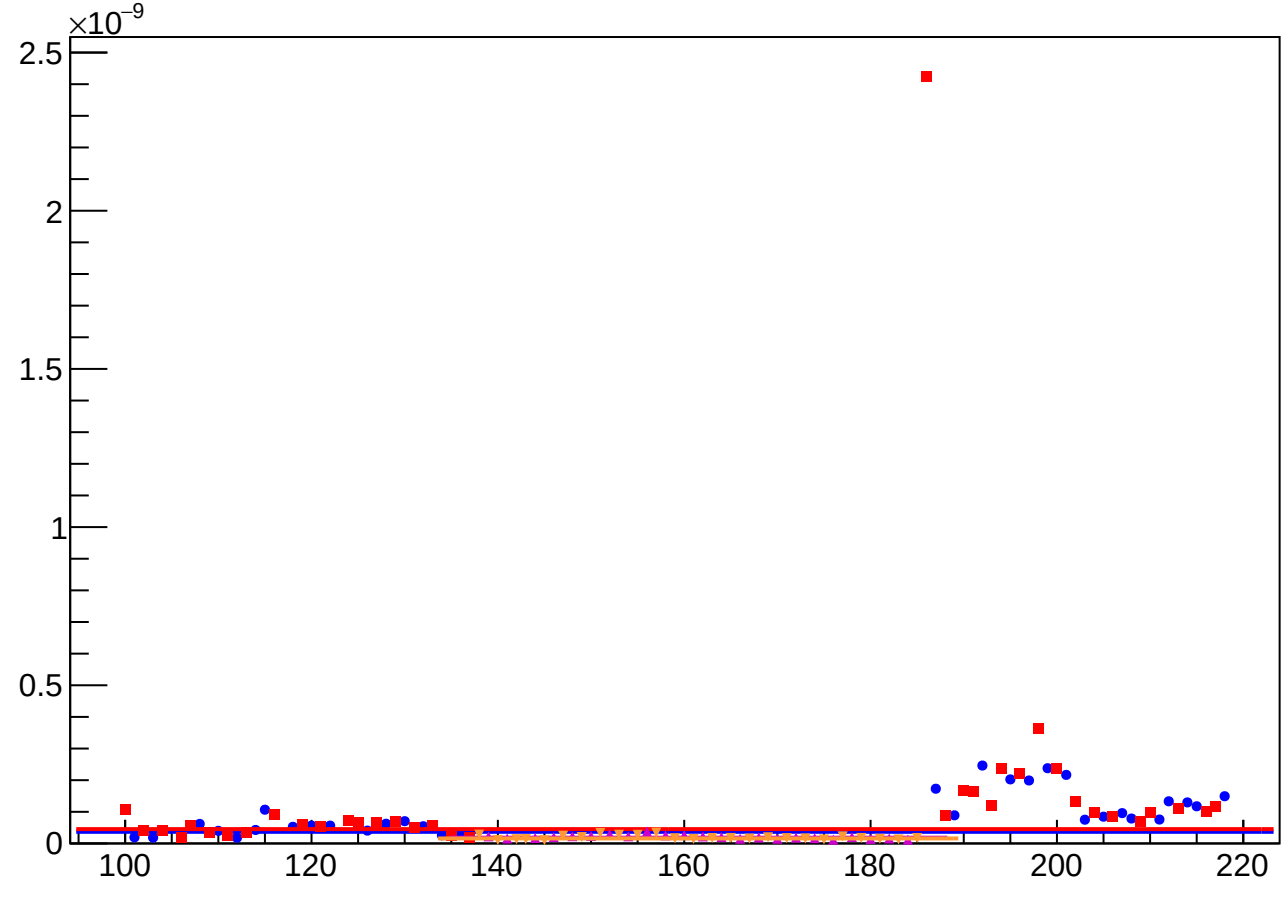
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 75.7/67

In: 0.000+/-0.000 χ^2/NDF:71.4/54

Out: -0.000+/-0.000 χ^2/NDF:72.4/60

All: 0.000+/-0.000 χ^2/NDF: 144.1/115



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: 9408381.6/35

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

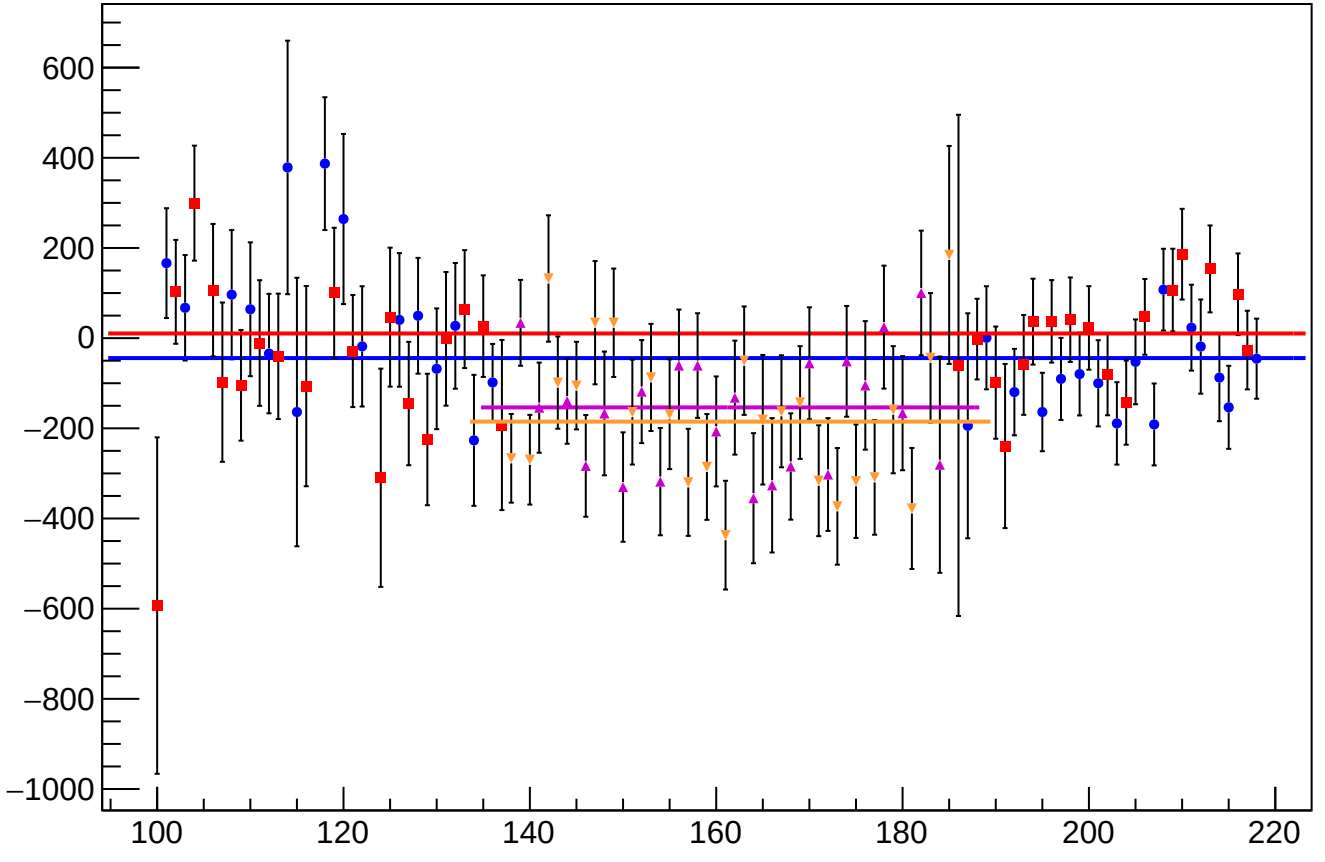
Right: 0.000+/-0.000 χ^2/NDF: 20799293.4/67

In: 0.000+/-0.000 χ^2/NDF:15968787.0/54

Out: 0.000+/-0.000 χ^2/NDF:18510247.1/60

All: 0.000+/-0.000 χ^2/NDF: 34724280.8/115

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -44.183+/-19.785 χ^2/NDF: 36.1/31

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 10.354+/-19.547 χ^2/NDF: 32.8/35

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

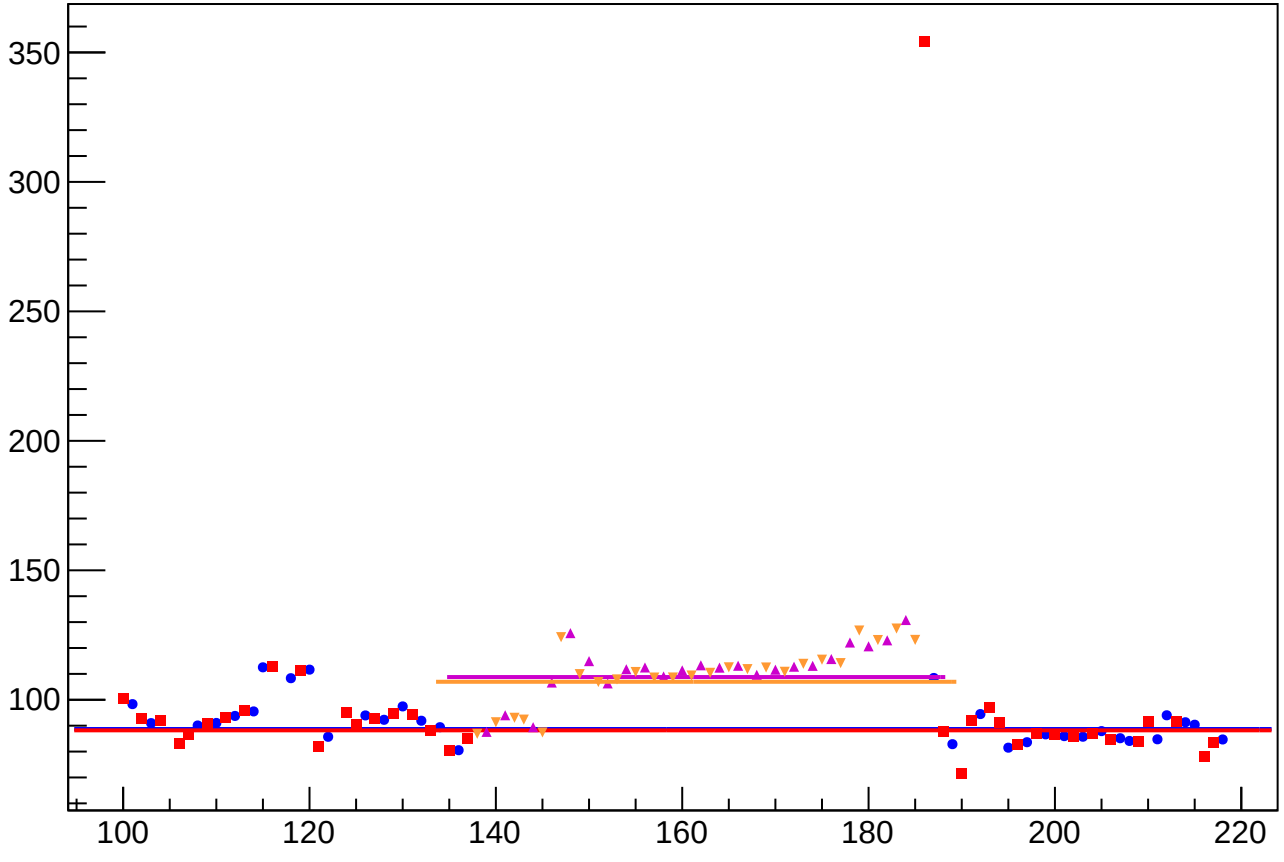
Right: -16.585+/-13.905 χ^2/NDF: 72.7/67

In: -85.233+/-15.640 χ^2/NDF:71.1/54

Out: -65.869+/-15.268 χ^2/NDF:104.8/60

All: -75.318+/-10.925 χ^2/NDF: 176.7/115

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: 88.203+/-0.014 χ^2/NDF: 687295.2/35

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

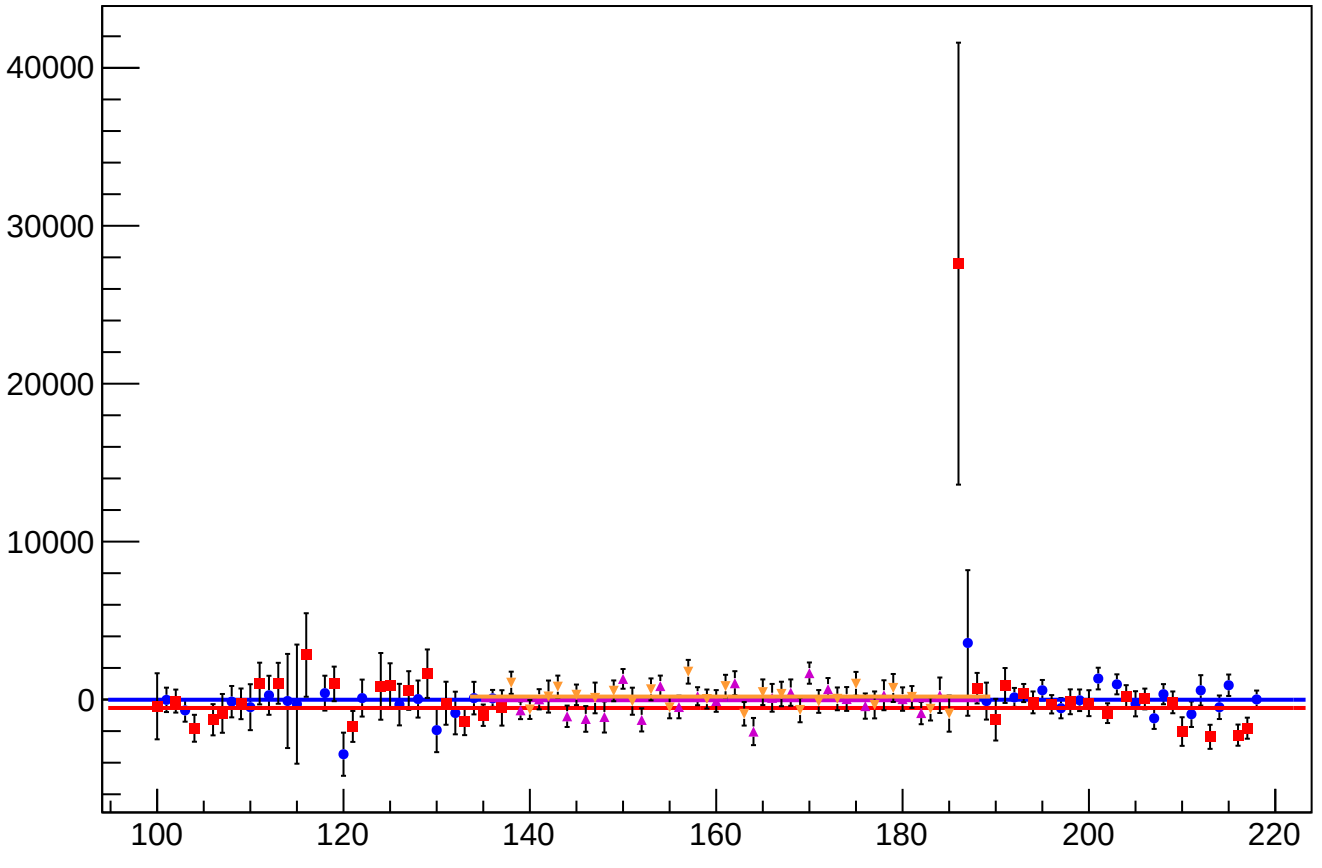
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 88.452+/-0.010 χ^2/NDF: 889736.8/67

In: 96.236+/-0.011 χ^2/NDF:1332432.1/54

Out: 95.514+/-0.011 χ^2/NDF:1869135.6/60

All: 95.866+/-0.008 χ^2/NDF: 3203753.1/115



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: -535.047+/-147.034 χ^2/NDF: 49.4/35

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

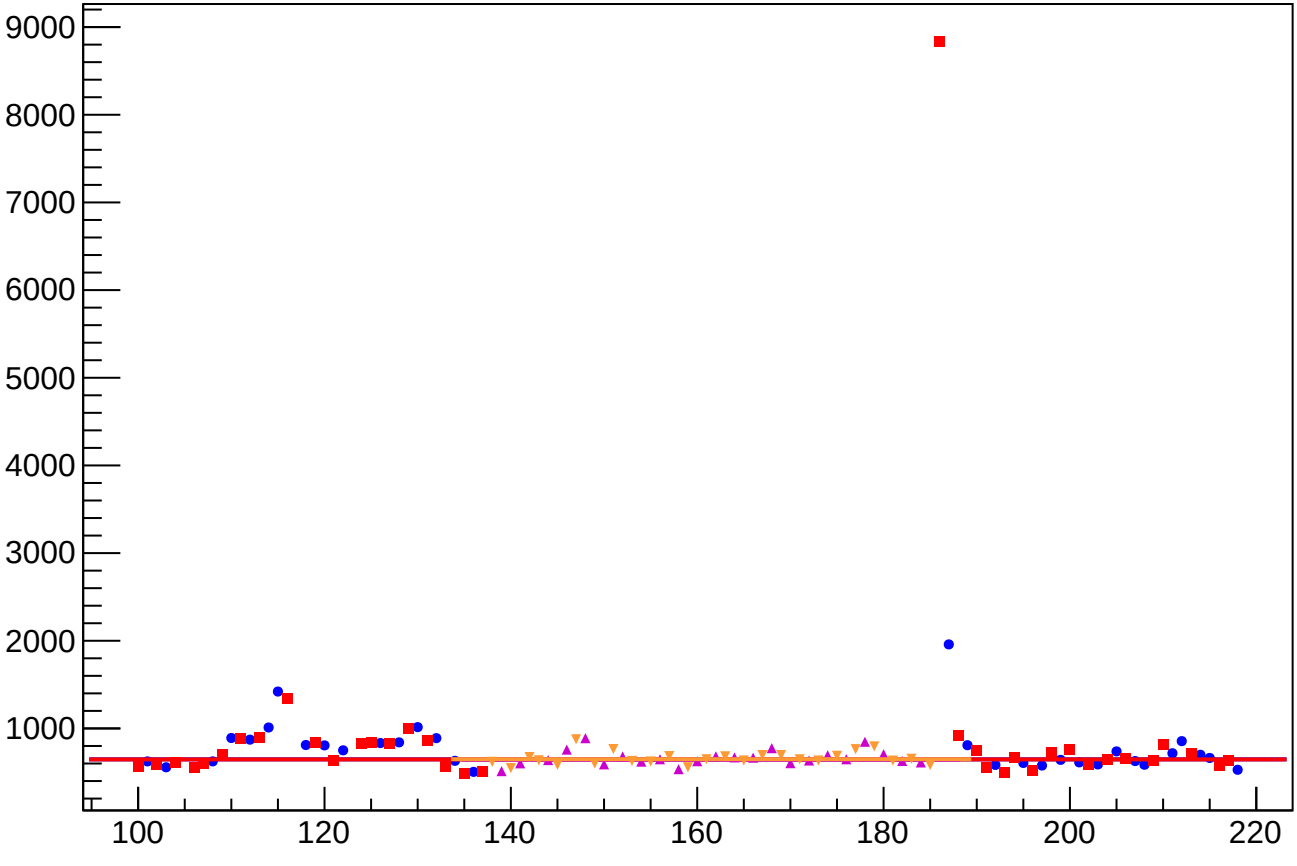
Right: -275.031+/-104.154 χ^2/NDF: 81.4/67

In: -27.751+/-105.895 χ^2/NDF:59.5/54

Out: -178.648+/-104.594 χ^2/NDF:80.3/60

All: -104.132+/-74.415 χ^2/NDF: 140.8/115

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: 646.691+/-0.104 χ^2/NDF: 2080829.2/35

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

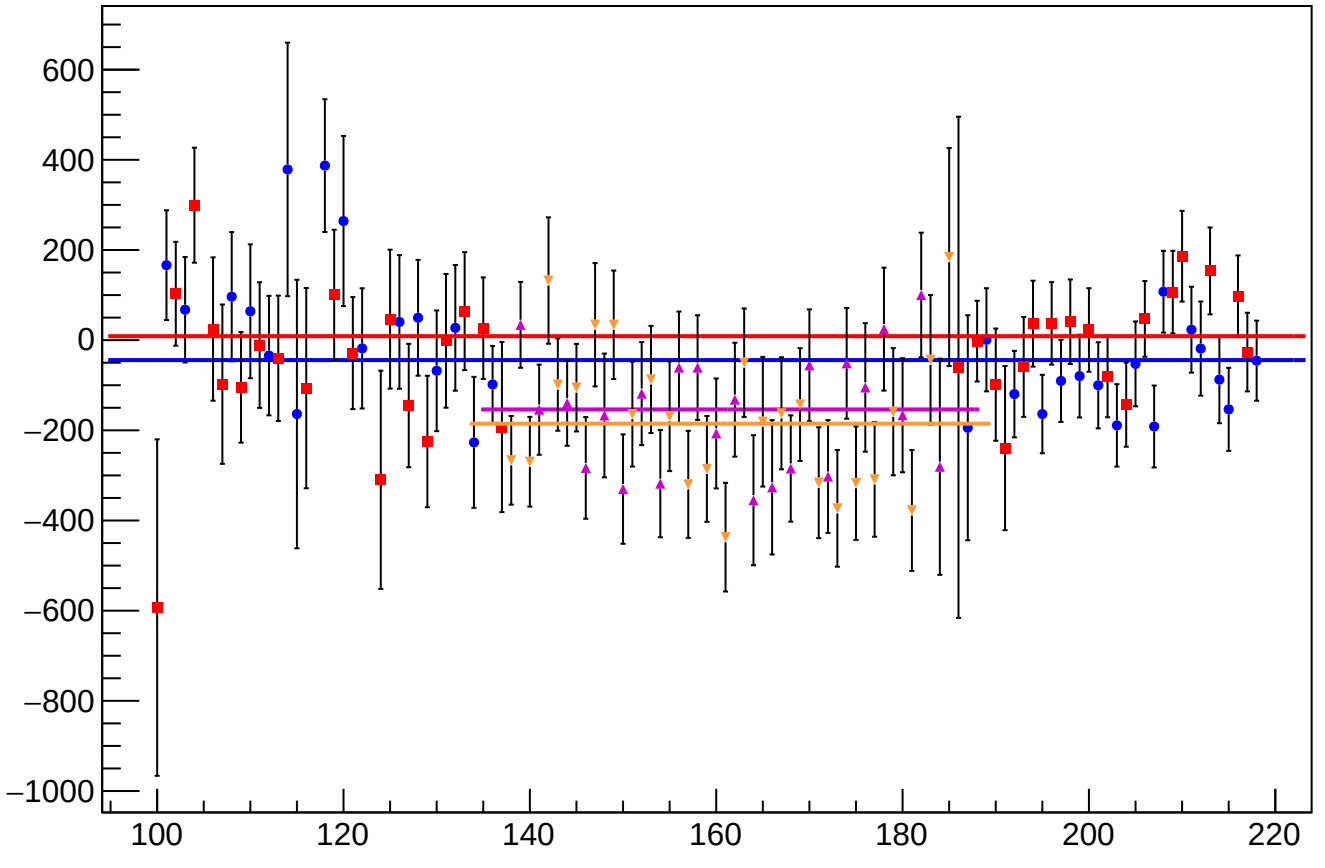
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 647.095+/-0.074 χ^2/NDF: 3410068.7/67

In: 645.839+/-0.075 χ^2/NDF:1888853.2/54

Out: 647.925+/-0.074 χ^2/NDF:2499478.9/60

All: 646.895+/-0.053 χ^2/NDF: 4388725.1/115



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: 8.861+/-19.573 χ^2/NDF: 32.3/35

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

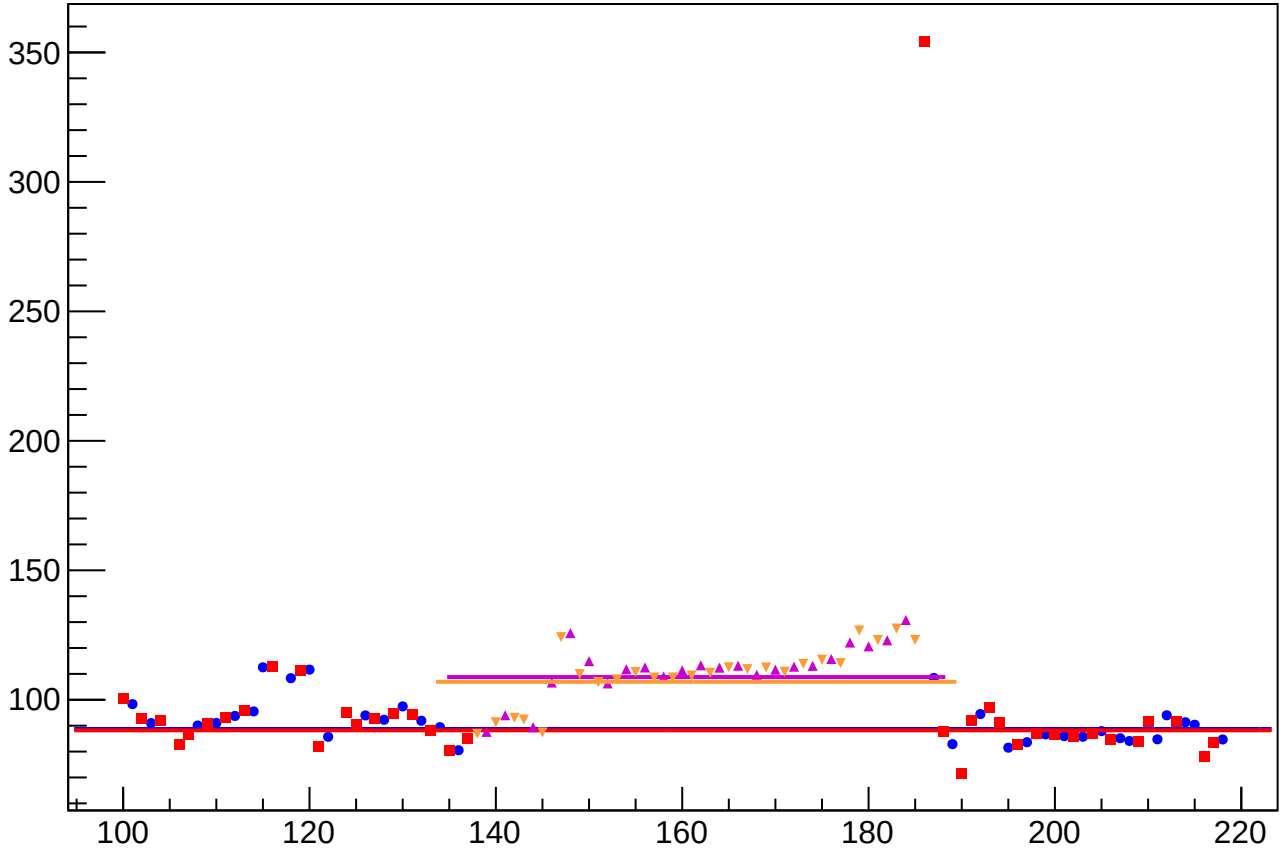
Right: -17.375+/-13.914 χ^2/NDF: 72.1/67

In: -85.235+/-15.640 χ^2/NDF:71.1/54

Out: -66.902+/-15.281 χ^2/NDF:103.8/60

All: -75.855+/-10.930 χ^2/NDF: 175.6/115

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: 88.208+/-0.014 χ^2/NDF: 687409.3/35

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

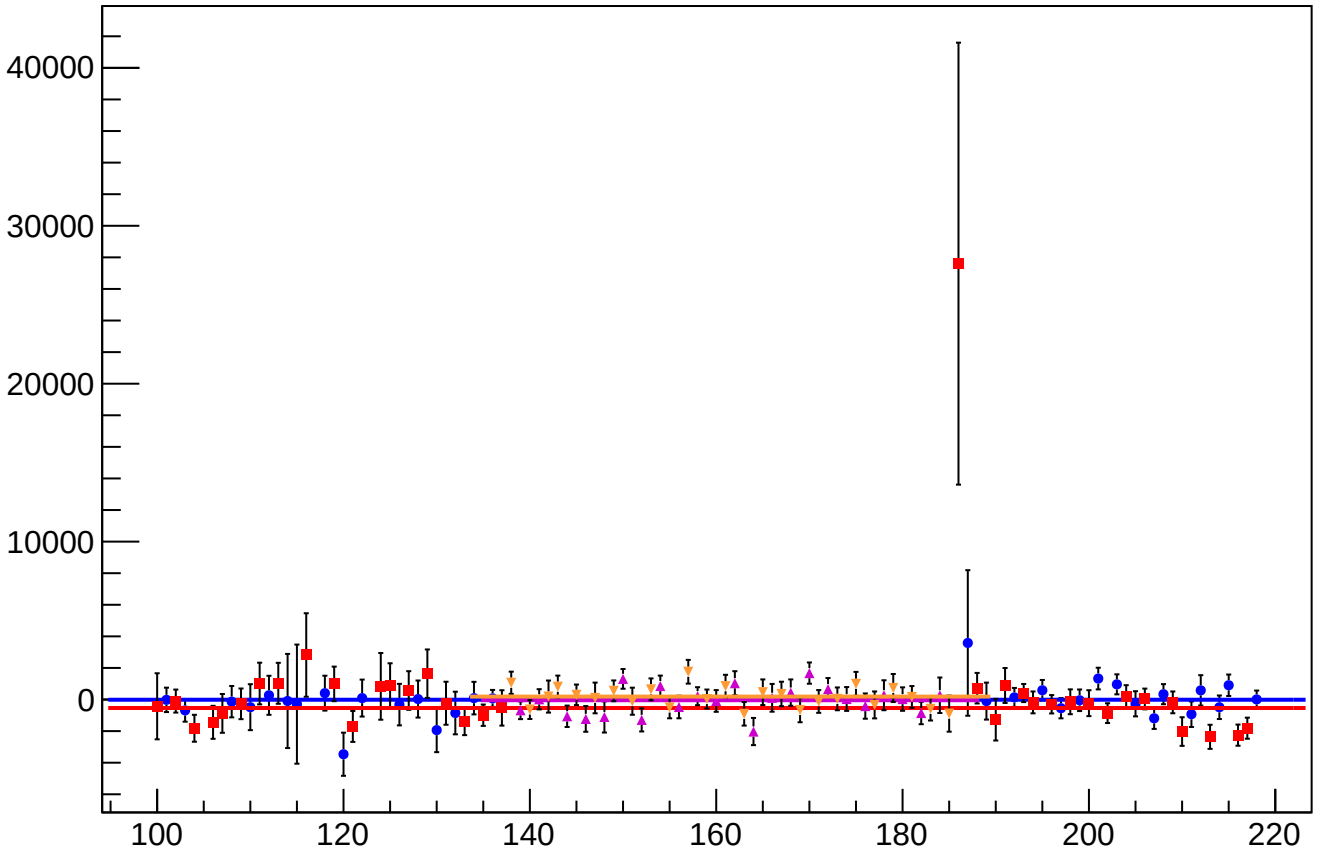
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.455+/-0.010 χ^2/NDF: 889837.3/67

In: 96.236+/-0.011 χ^2/NDF:1332432.2/54

Out: 95.528+/-0.011 χ^2/NDF:1868139.3/60

All: 95.874+/-0.008 χ^2/NDF: 3202667.2/115



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: -536.538+/-147.204 χ^2/NDF: 49.5/35

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

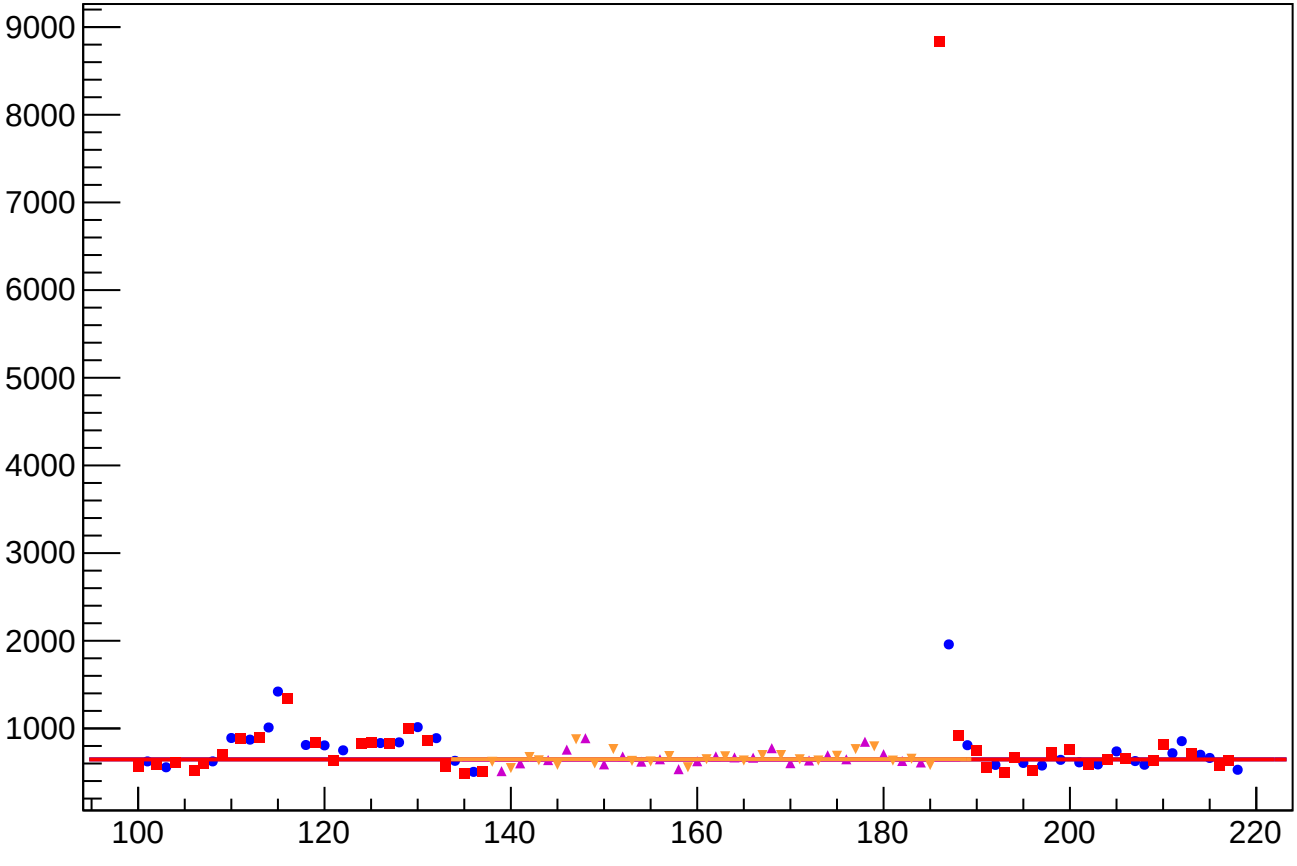
Right: -275.478+/-104.214 χ^2/NDF: 81.6/67

In: -27.754+/-105.895 χ^2/NDF:59.5/54

Out: -178.988+/-104.656 χ^2/NDF:80.5/60

All: -104.261+/-74.437 χ^2/NDF: 141.0/115

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: 646.359+/-0.104 χ^2/NDF: 2090132.3/35

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

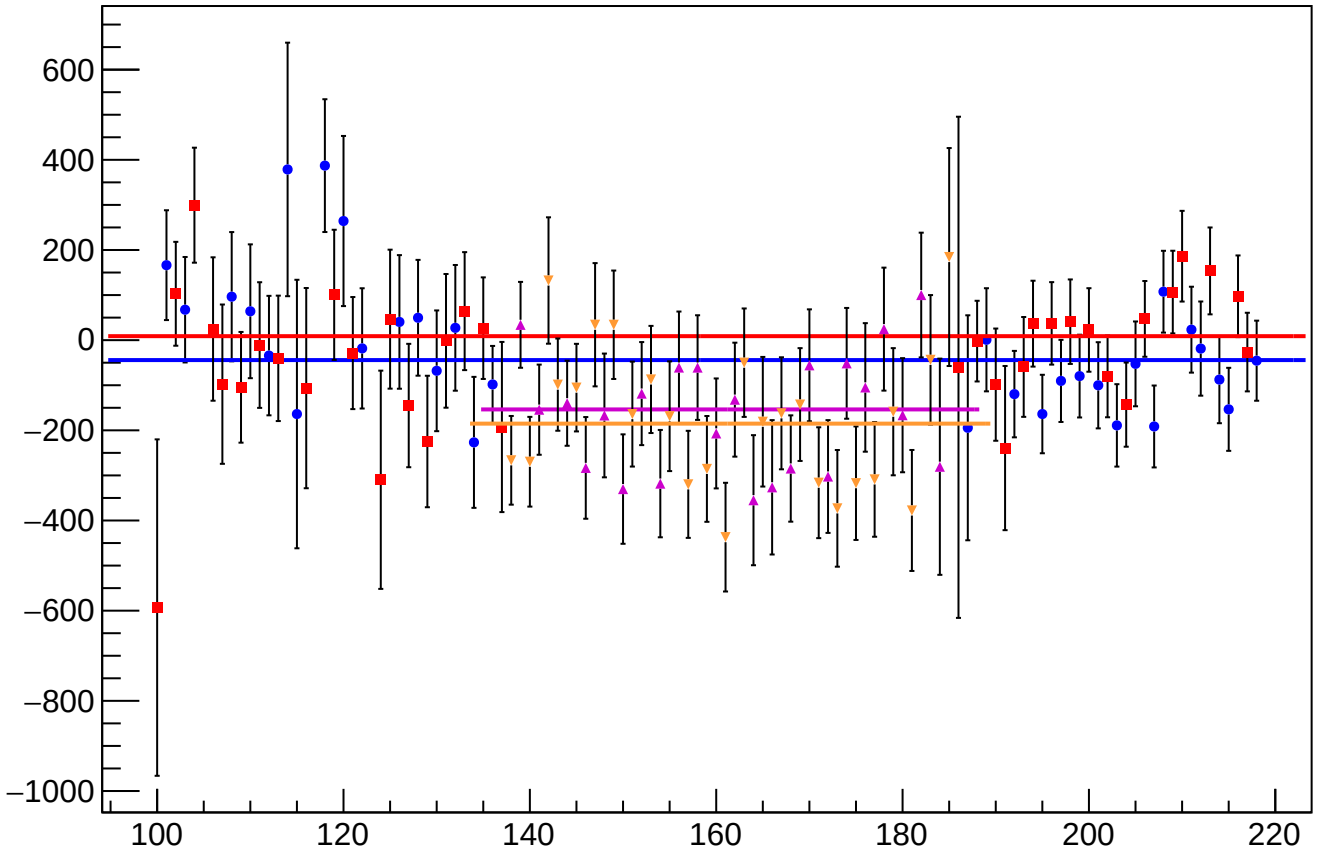
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 646.929+/-0.074 χ^2/NDF: 3419401.2/67

In: 645.839+/-0.075 χ^2/NDF:1888853.8/54

Out: 647.759+/-0.074 χ^2/NDF:2508863.3/60

All: 646.810+/-0.053 χ^2/NDF: 4398049.6/115



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: 8.861+/-19.573 χ^2/NDF: 32.3/35

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

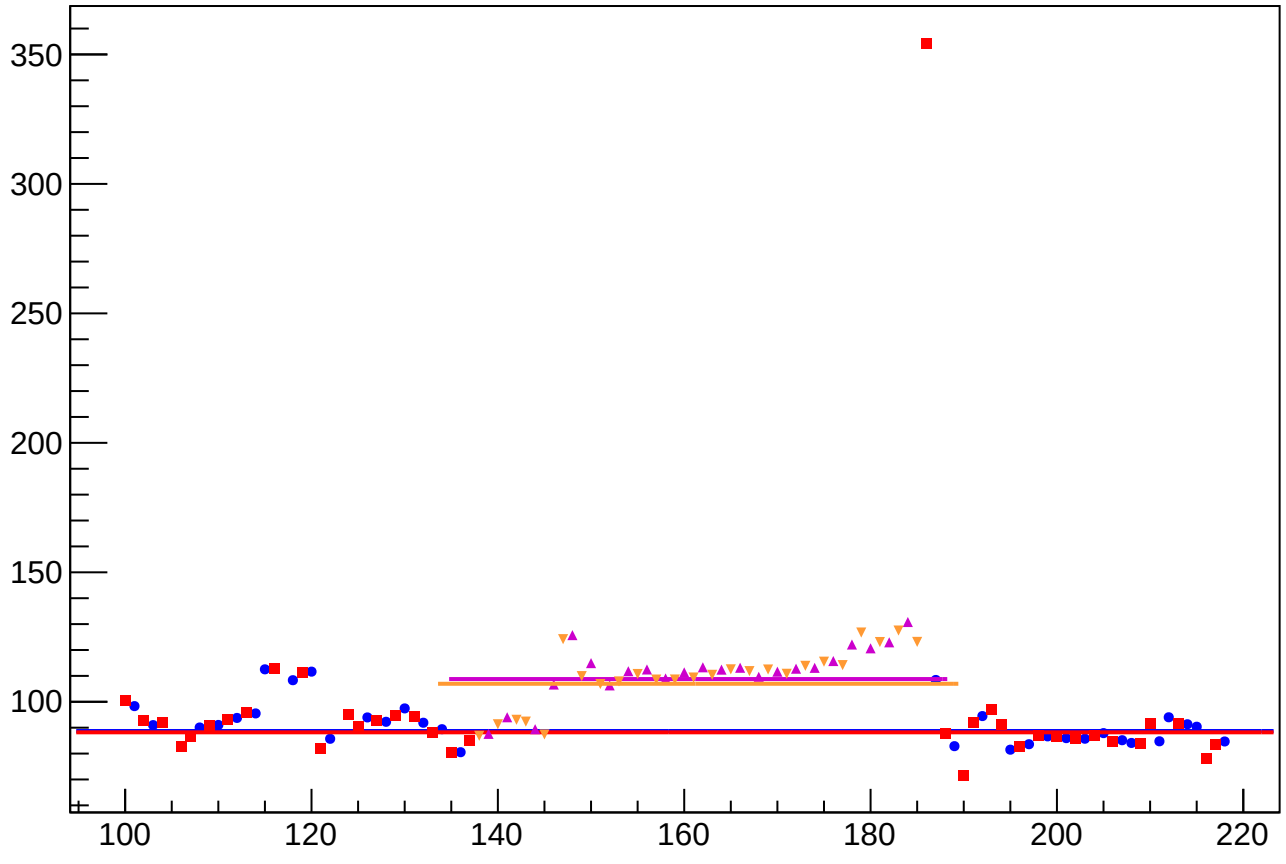
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: -17.375+/-13.914 χ^2/NDF: 72.1/67

In: -85.235+/-15.640 χ^2/NDF:71.1/54

Out: -66.902+/-15.281 χ^2/NDF:103.8/60

All: -75.855+/-10.930 χ^2/NDF: 175.6/115



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: 88.208+/-0.014 χ^2/NDF: 687409.3/35

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

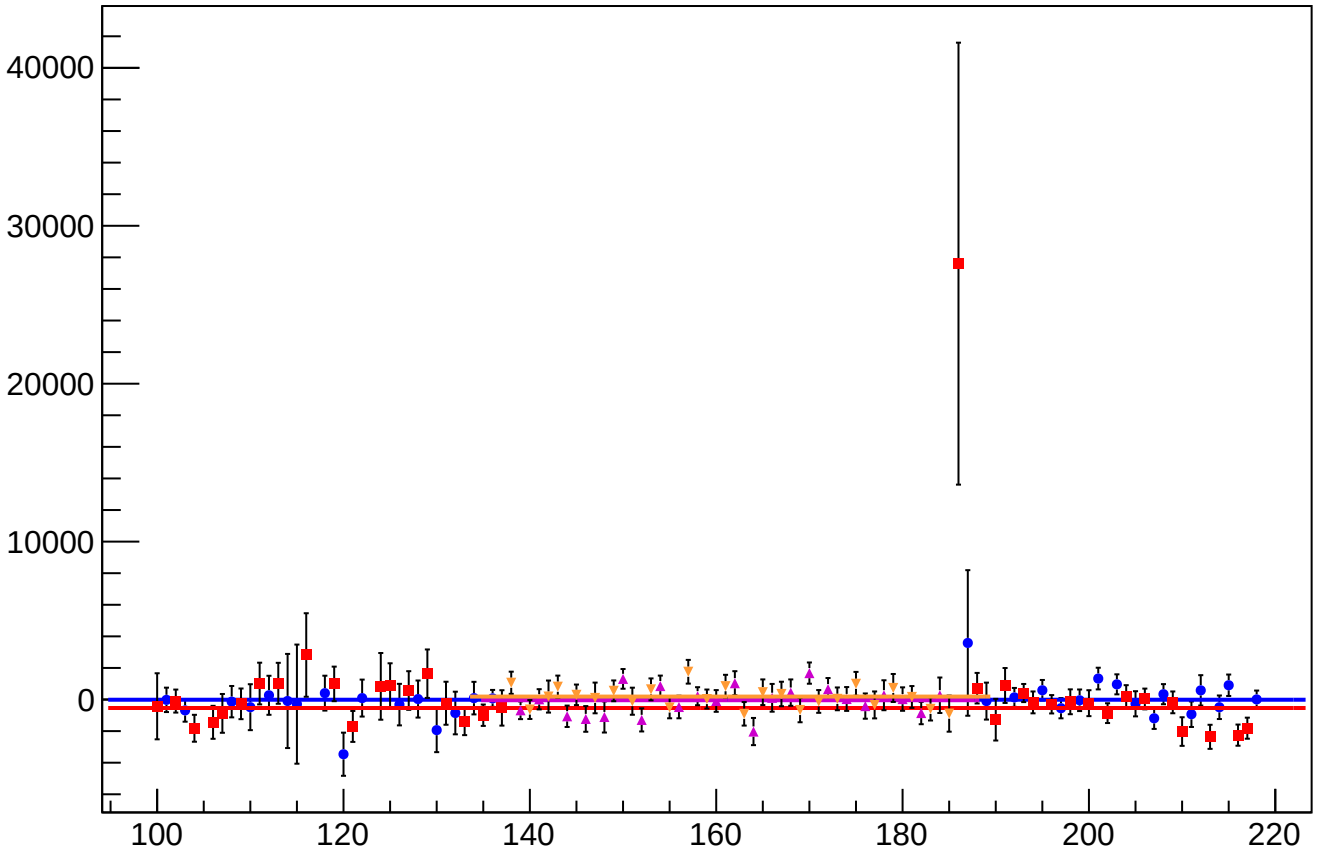
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.455+/-0.010 χ^2/NDF: 889837.3/67

In: 96.236+/-0.011 χ^2/NDF:1332432.2/54

Out: 95.528+/-0.011 χ^2/NDF:1868139.3/60

All: 95.874+/-0.008 χ^2/NDF: 3202667.2/115



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: -536.538+/-147.204 χ^2/NDF: 49.5/35

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

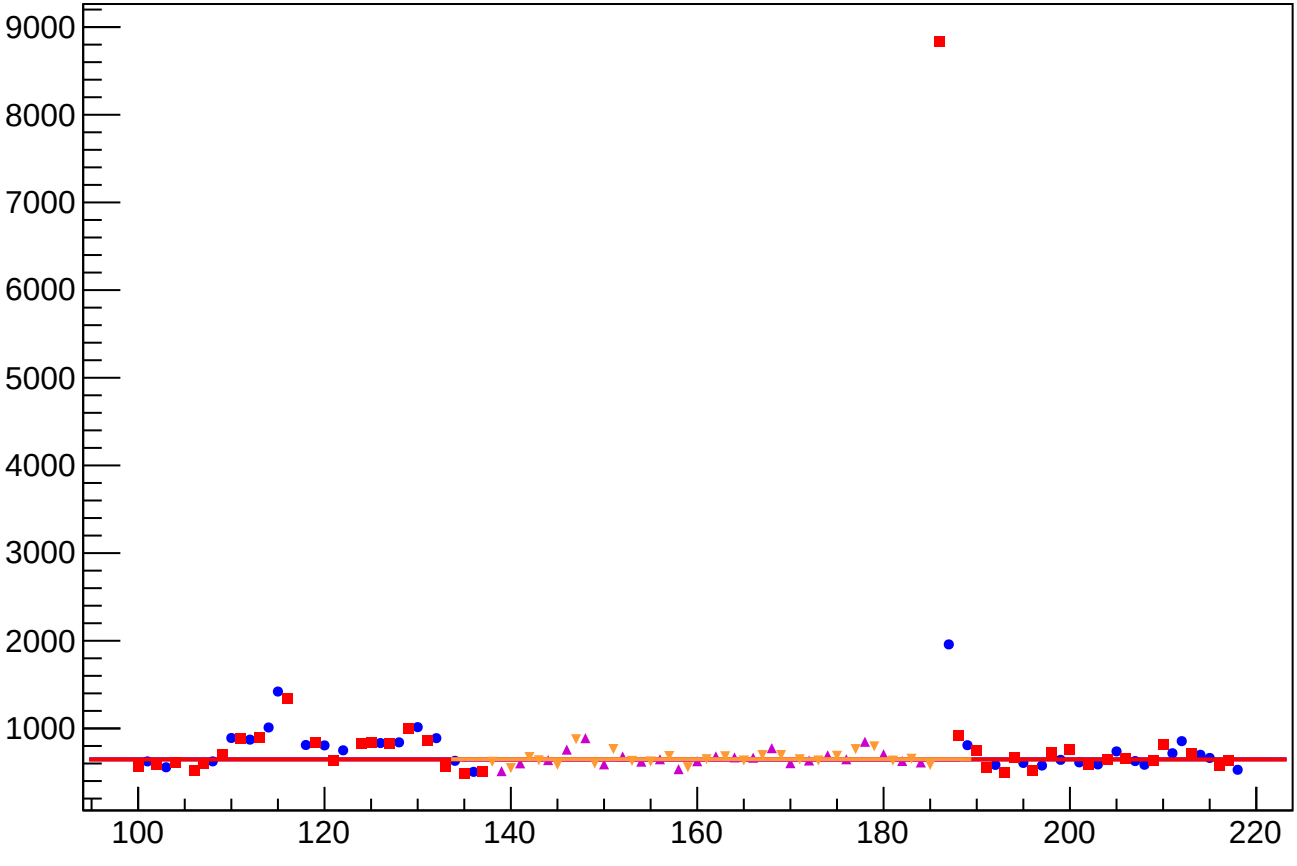
Right: -275.478+/-104.214 χ^2/NDF: 81.6/67

In: -27.754+/-105.895 χ^2/NDF:59.5/54

Out: -178.988+/-104.656 χ^2/NDF:80.5/60

All: -104.261+/-74.437 χ^2/NDF: 141.0/115

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: 646.359+/-0.104 χ^2/NDF: 2090132.3/35

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

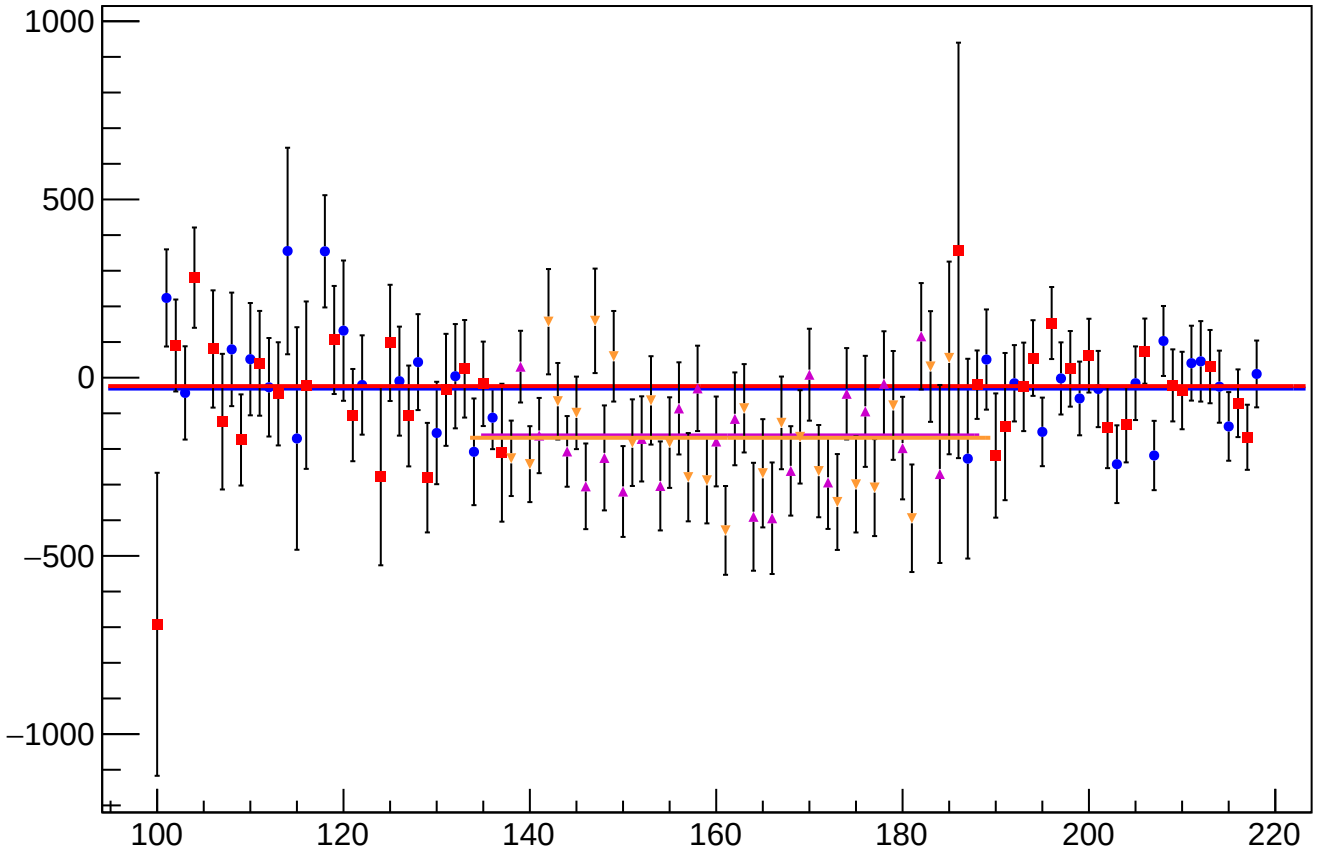
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 646.929+/-0.074 χ^2/NDF: 3419401.2/67

In: 645.839+/-0.075 χ^2/NDF:1888853.8/54

Out: 647.759+/-0.074 χ^2/NDF:2508863.3/60

All: 646.810+/-0.053 χ^2/NDF: 4398049.6/115



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: -23.699+/-21.360 χ^2/NDF: 29.9/35

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

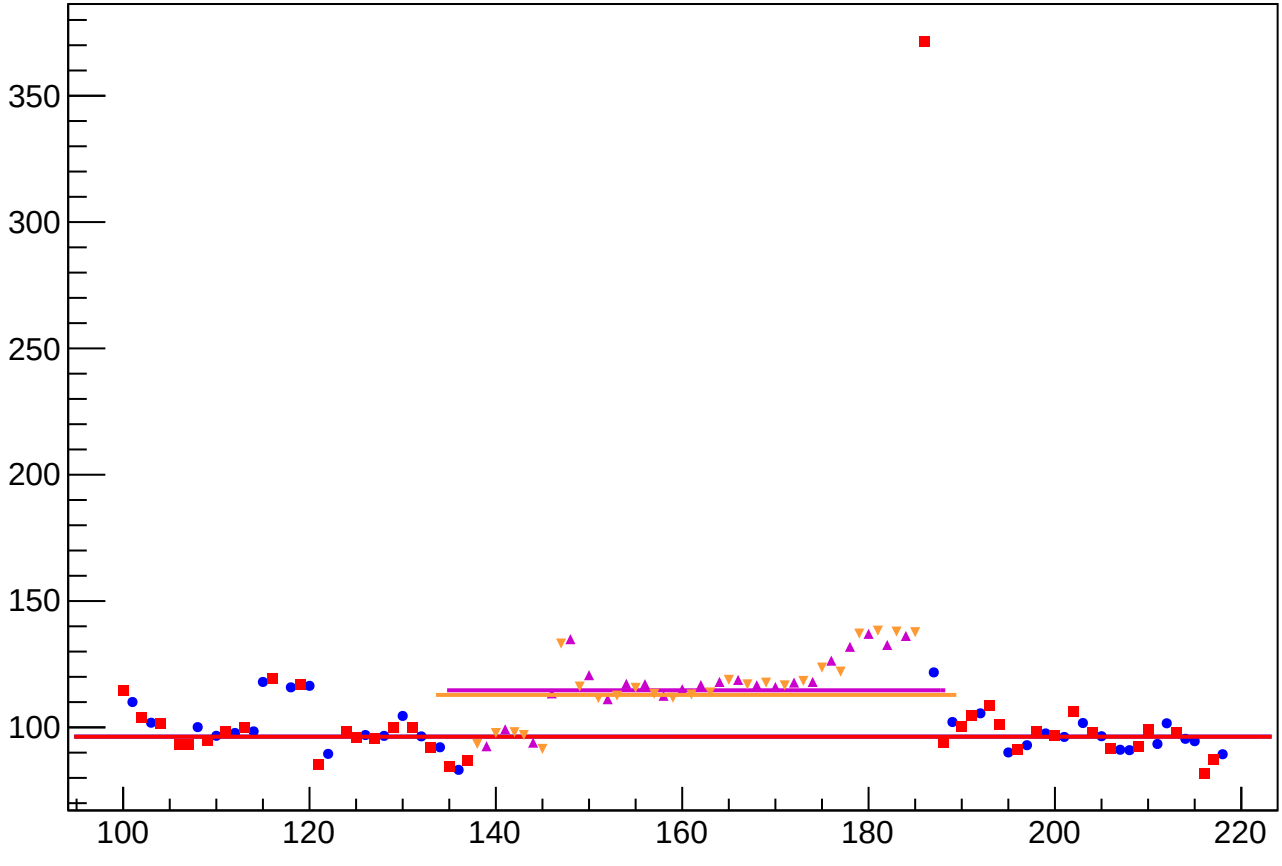
Right: -27.106+/-15.153 χ^2/NDF: 60.5/67

In: -81.698+/-16.807 χ^2/NDF:68.7/54

Out: -82.588+/-16.458 χ^2/NDF:81.0/60

All: -82.152+/-11.759 χ^2/NDF: 149.7/115

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: 96.307+/-0.015 χ^2/NDF: 689267.8/35

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

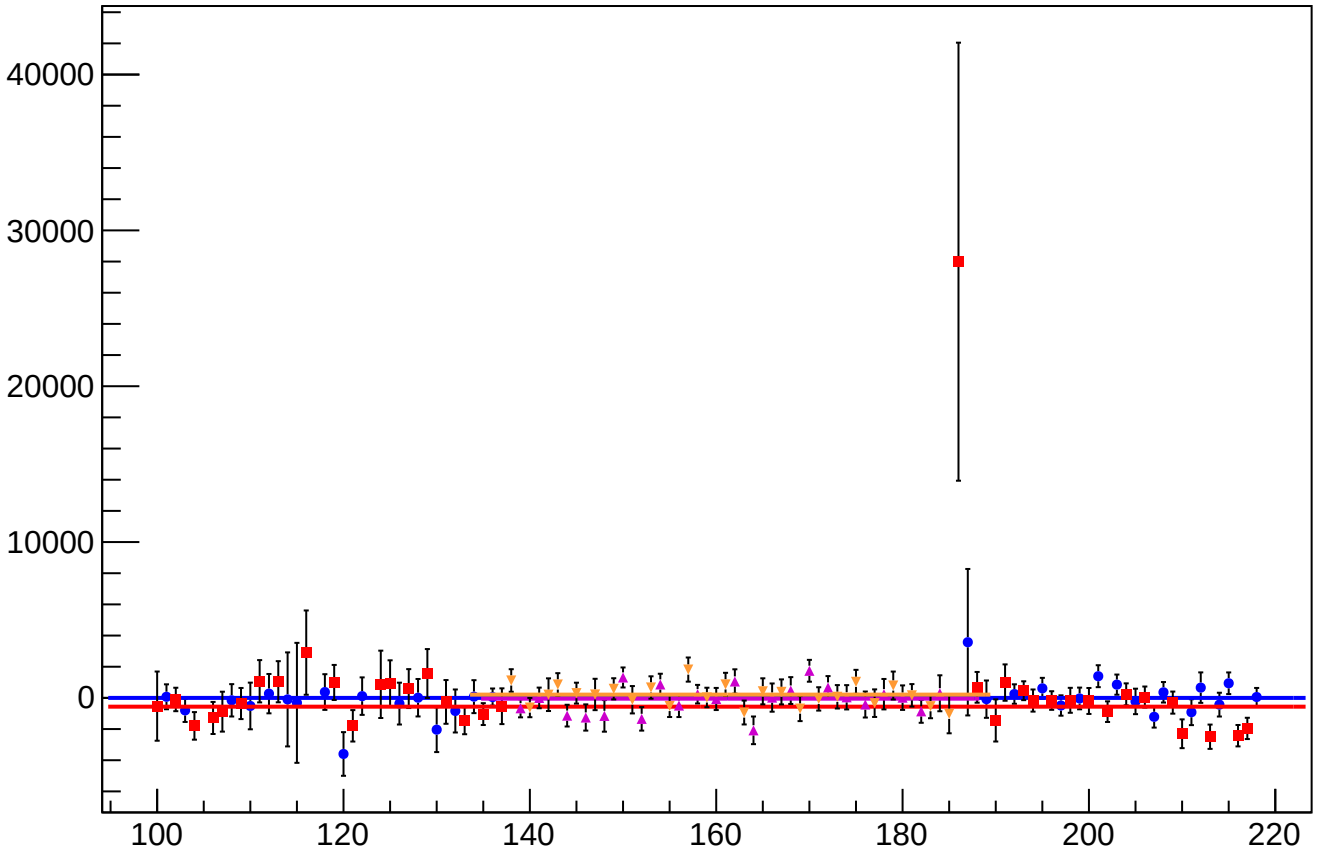
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 96.327+/-0.011 χ^2/NDF: 912995.3/67

In: 103.477+/-0.012 χ^2/NDF:1199048.5/54

Out: 103.028+/-0.012 χ^2/NDF:1688964.7/60

All: 103.248+/-0.008 χ^2/NDF: 2888742.3/115



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: -563.418+/-151.455 χ^2/NDF: 52.3/35

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

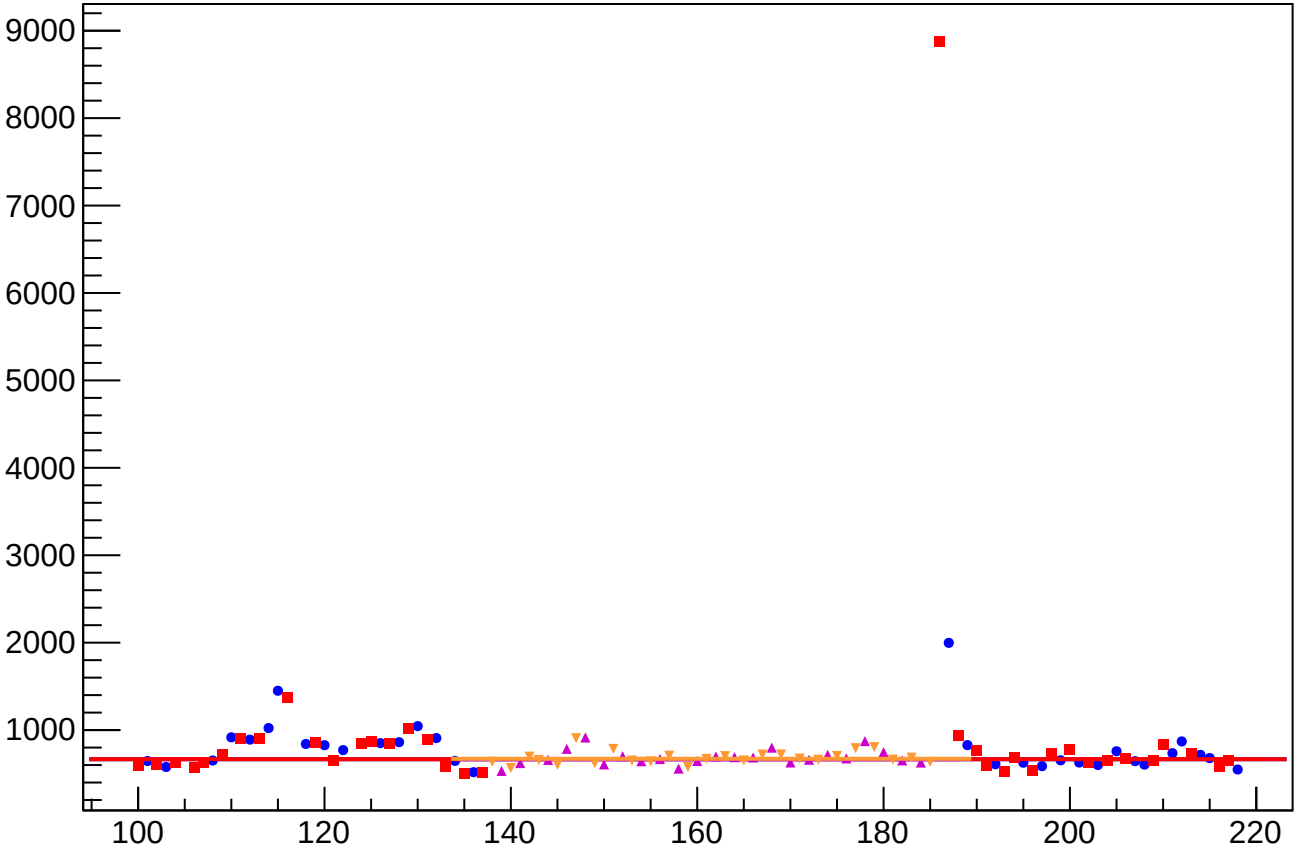
Right: -282.686+/-107.191 χ^2/NDF: 84.8/67

In: -24.688+/-109.266 χ^2/NDF:59.0/54

Out: -183.271+/-107.958 χ^2/NDF:84.0/60

All: -104.935+/-76.796 χ^2/NDF: 144.0/115

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: 667.101+/-0.107 χ^2/NDF: 1998137.8/35

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

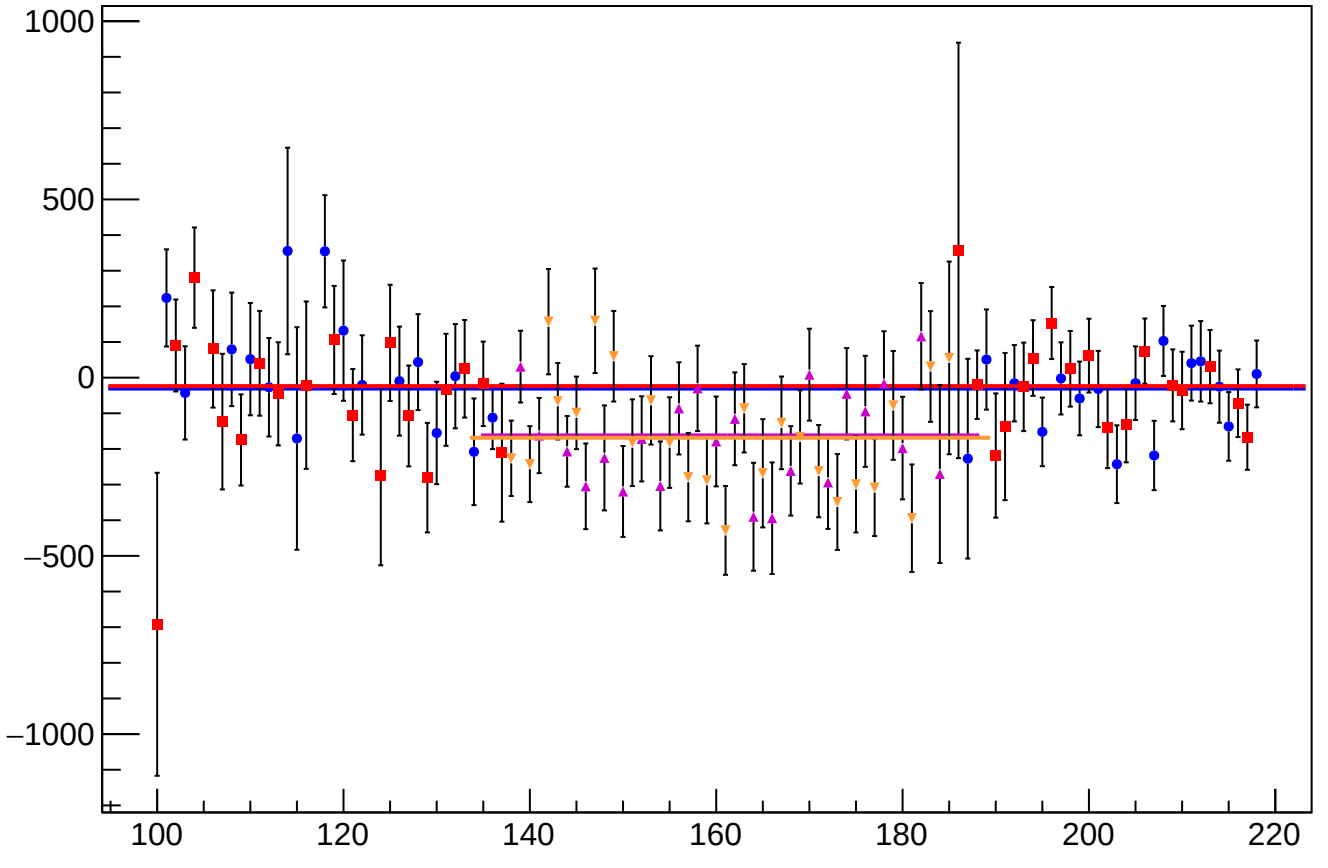
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 666.725+/-0.076 χ^2/NDF: 3296200.3/67

In: 666.826+/-0.077 χ^2/NDF:1844982.8/54

Out: 669.436+/-0.076 χ^2/NDF:2398264.4/60

All: 668.147+/-0.054 χ^2/NDF: 4243825.0/115



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: -23.698+/-21.360 χ^2/NDF: 29.9/35

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

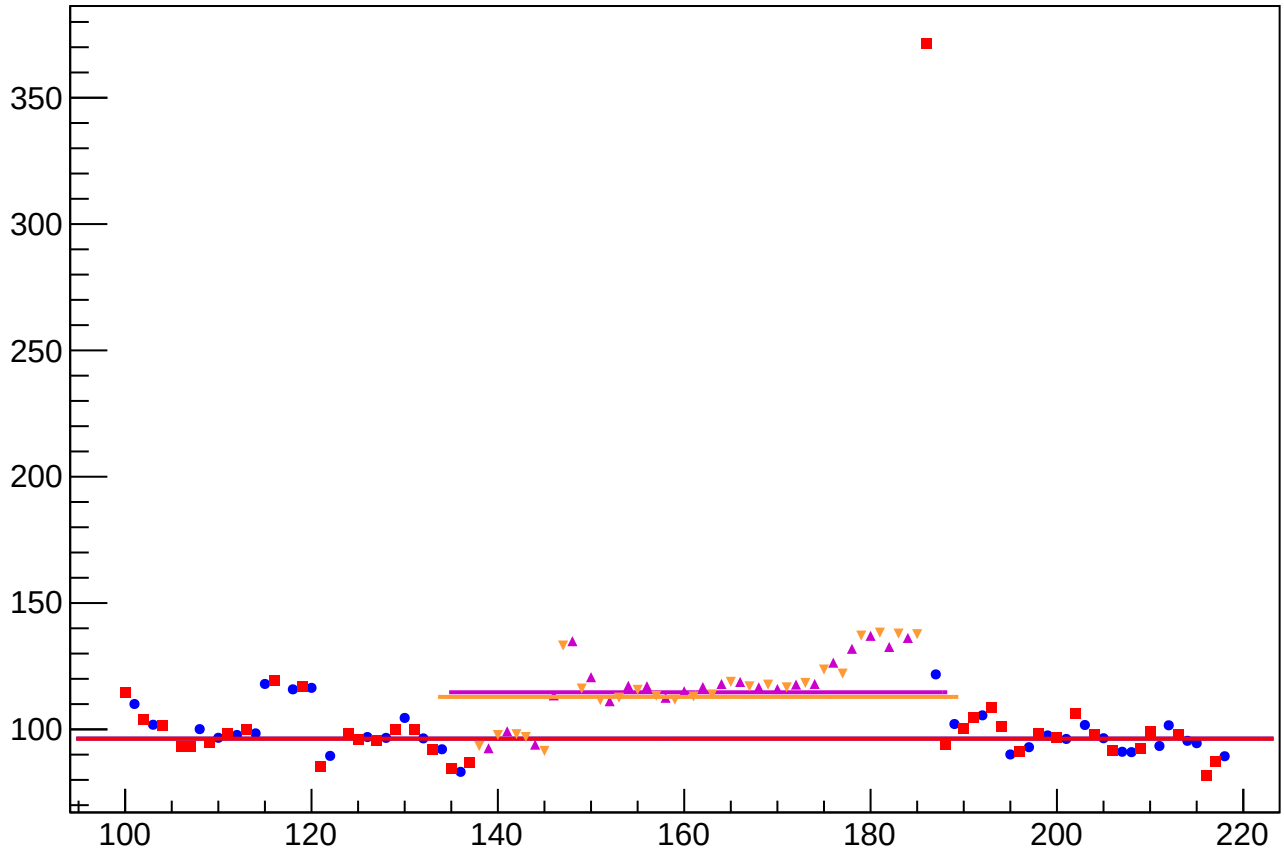
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -27.106+/-15.153 χ^2/NDF: 60.5/67

In: -81.697+/-16.807 χ^2/NDF:68.7/54

Out: -82.587+/-16.458 χ^2/NDF:81.0/60

All: -82.152+/-11.759 χ^2/NDF: 149.7/115



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: 96.306+/-0.015 χ^2/NDF: 689272.9/35

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

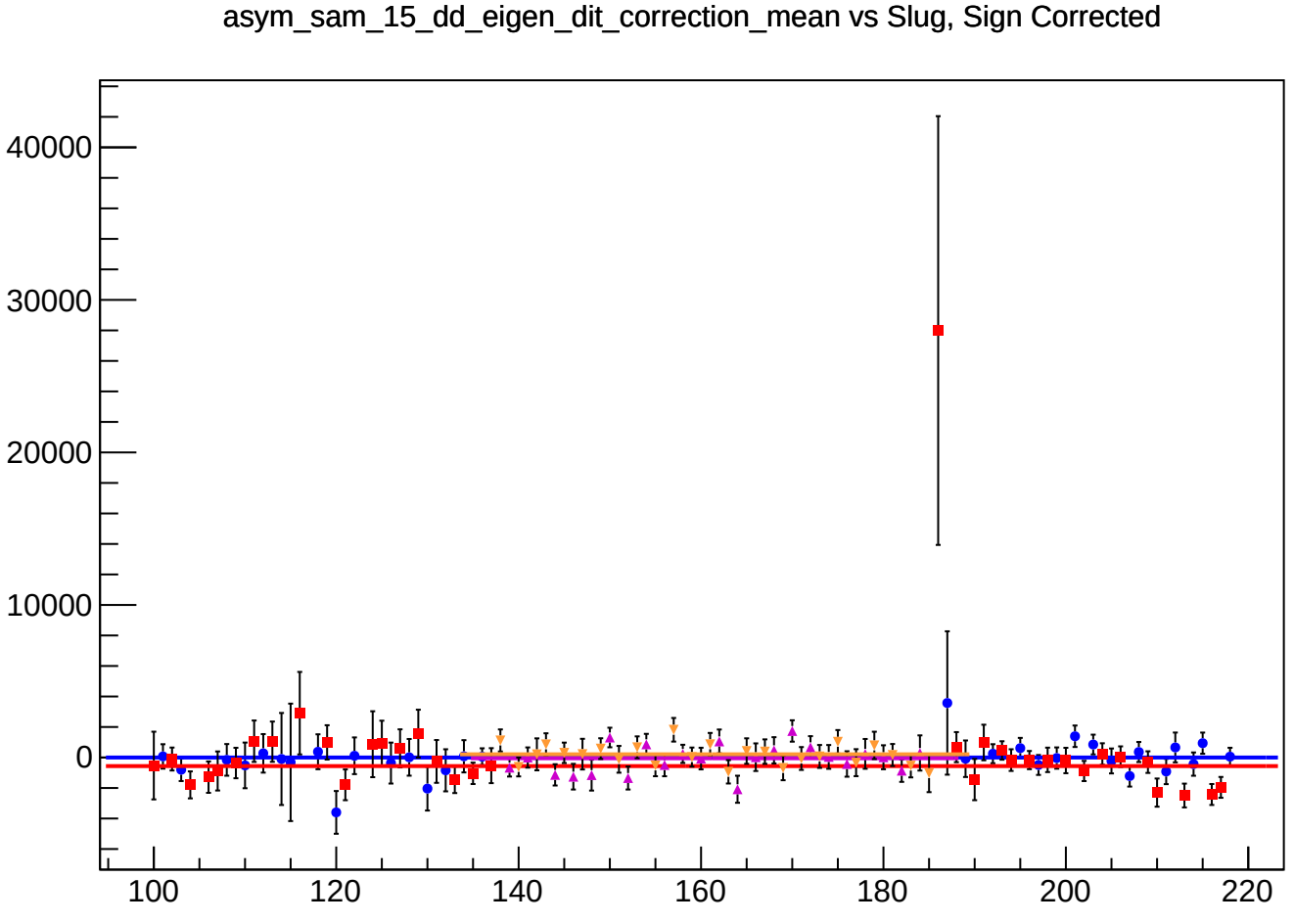
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 96.327+/-0.011 χ^2/NDF: 913003.8/67

In: 103.477+/-0.012 χ^2/NDF:1199063.4/54

Out: 103.028+/-0.012 χ^2/NDF:1688976.1/60

All: 103.248+/-0.008 χ^2/NDF: 2888768.7/115



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: -563.418+/-151.455 χ^2/NDF: 52.3/35

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

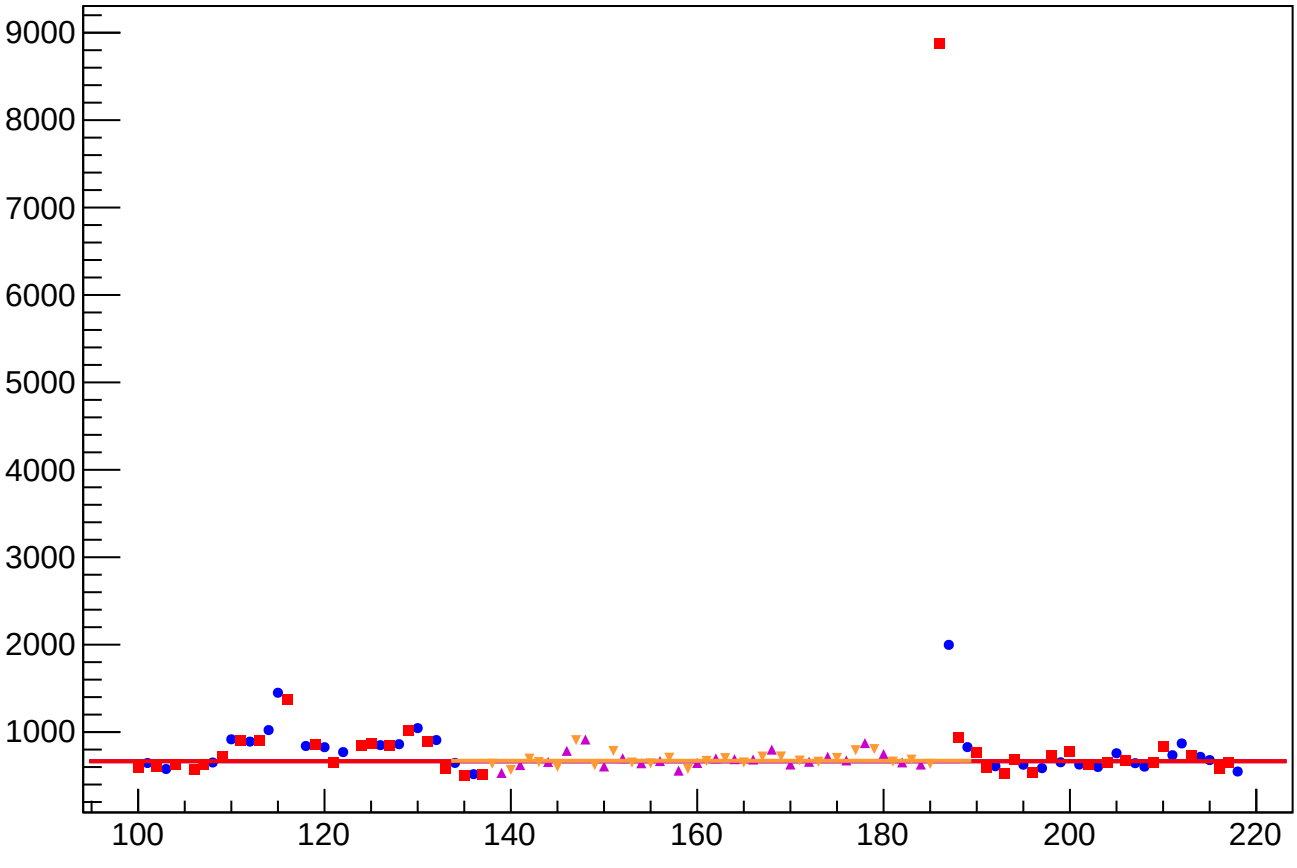
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -282.687+/-107.191 χ^2/NDF: 84.8/67

In: -24.689+/-109.266 χ^2/NDF:59.0/54

Out: -183.272+/-107.958 χ^2/NDF:84.0/60

All: -104.936+/-76.796 χ^2/NDF: 144.0/115



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: 667.100+/-0.107 χ^2/NDF: 1998144.3/35

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

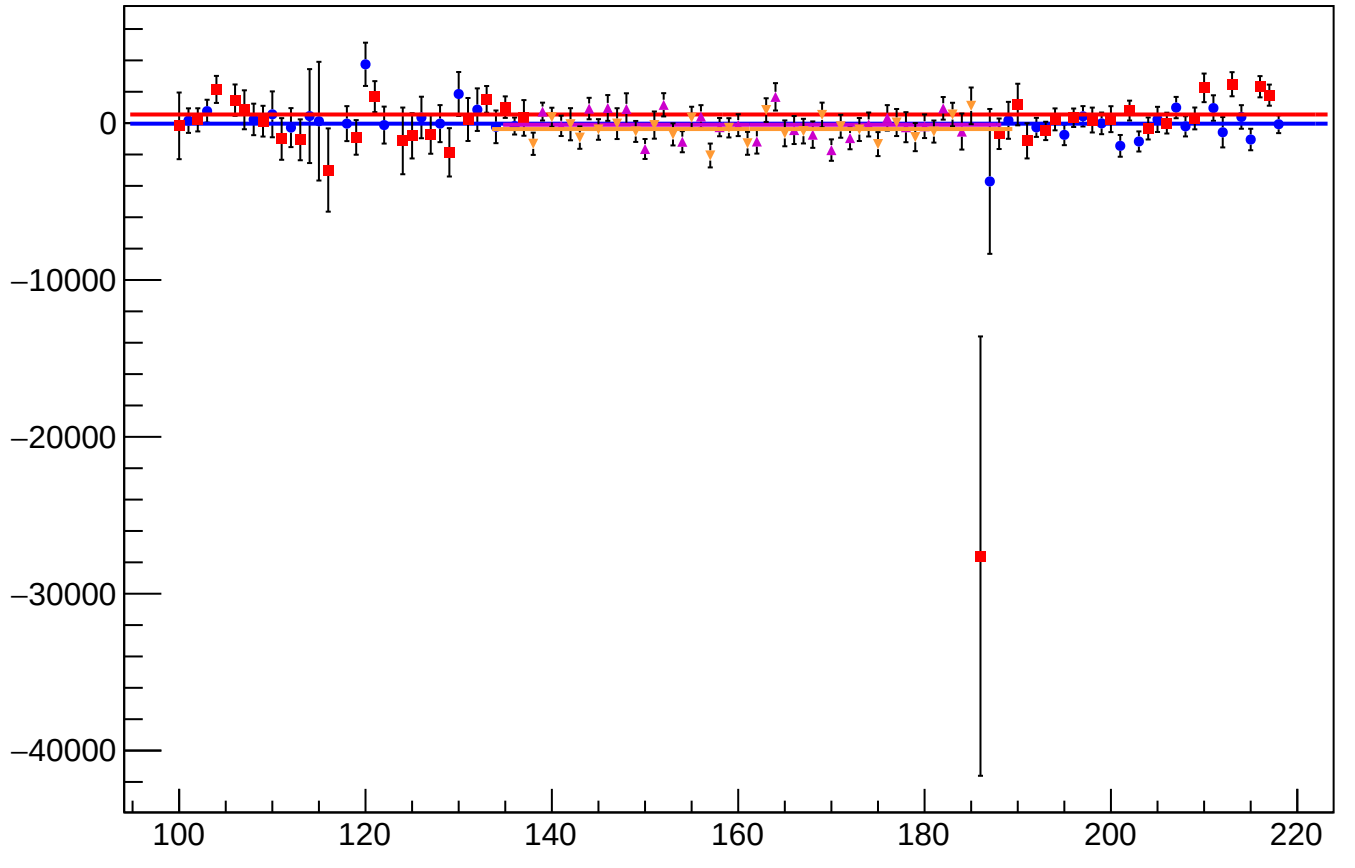
Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

Right: 666.724+/-0.076 χ^2/NDF: 3296206.5/67

In: 666.826+/-0.077 χ^2/NDF:1844984.7/54

Out: 669.436+/-0.076 χ^2/NDF:2398271.9/60

All: 668.147+/-0.054 χ^2/NDF: 4243834.4/115



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: 551.098+/-148.558 χ^2/NDF: 54.0/35

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

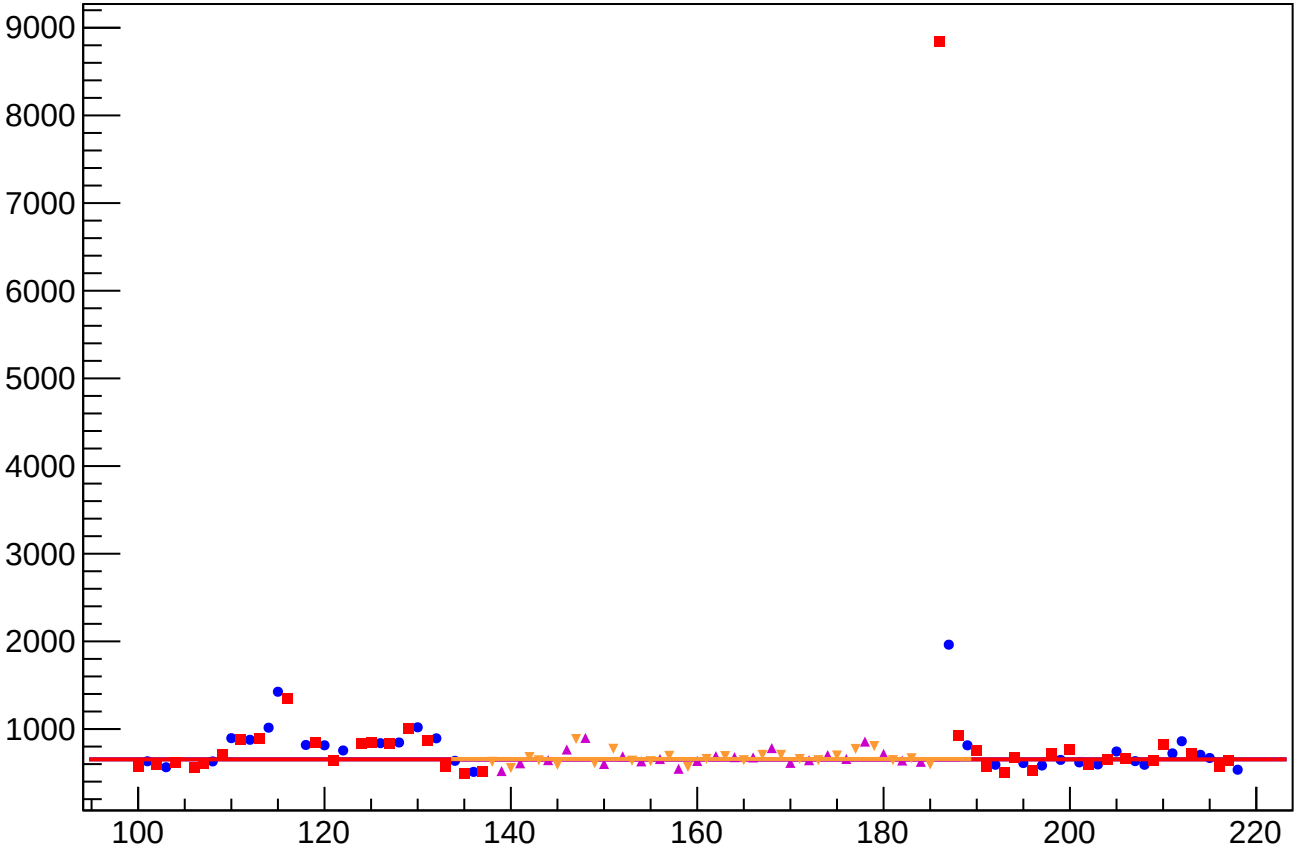
Right: 259.303+/-105.224 χ^2/NDF: 89.9/67

In: -67.703+/-107.219 χ^2/NDF:63.8/54

Out: 94.356+/-105.883 χ^2/NDF:94.6/60

All: 14.343+/-75.338 χ^2/NDF: 159.6/115

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: 653.898+/-0.105 χ^2/NDF: 2039485.9/35

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

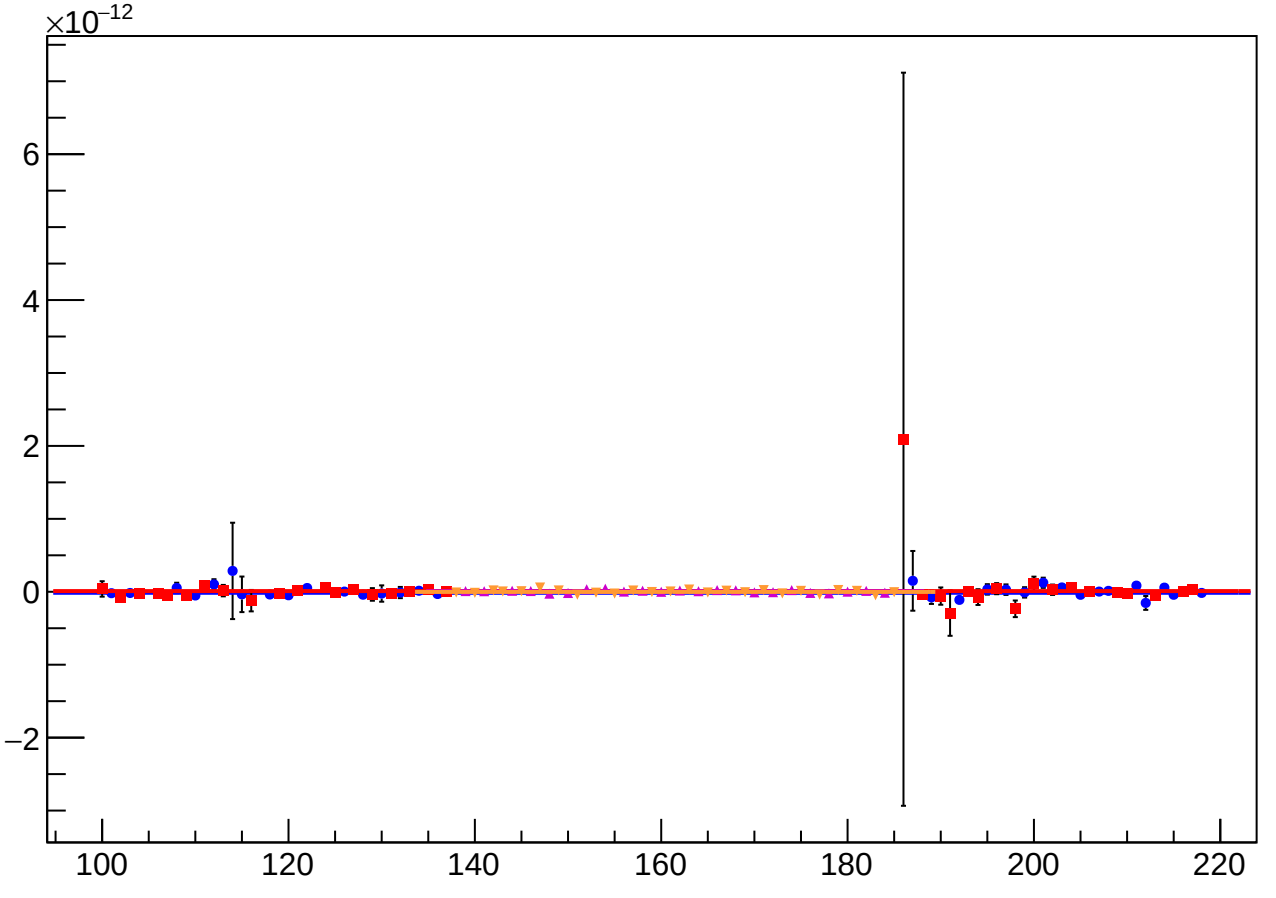
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 654.202+/-0.074 χ^2/NDF: 3337690.7/67

In: 654.238+/-0.076 χ^2/NDF:1840279.7/54

Out: 656.247+/-0.075 χ^2/NDF:2450186.5/60

All: 655.255+/-0.053 χ^2/NDF: 4290821.6/115



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: 28.4/35

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

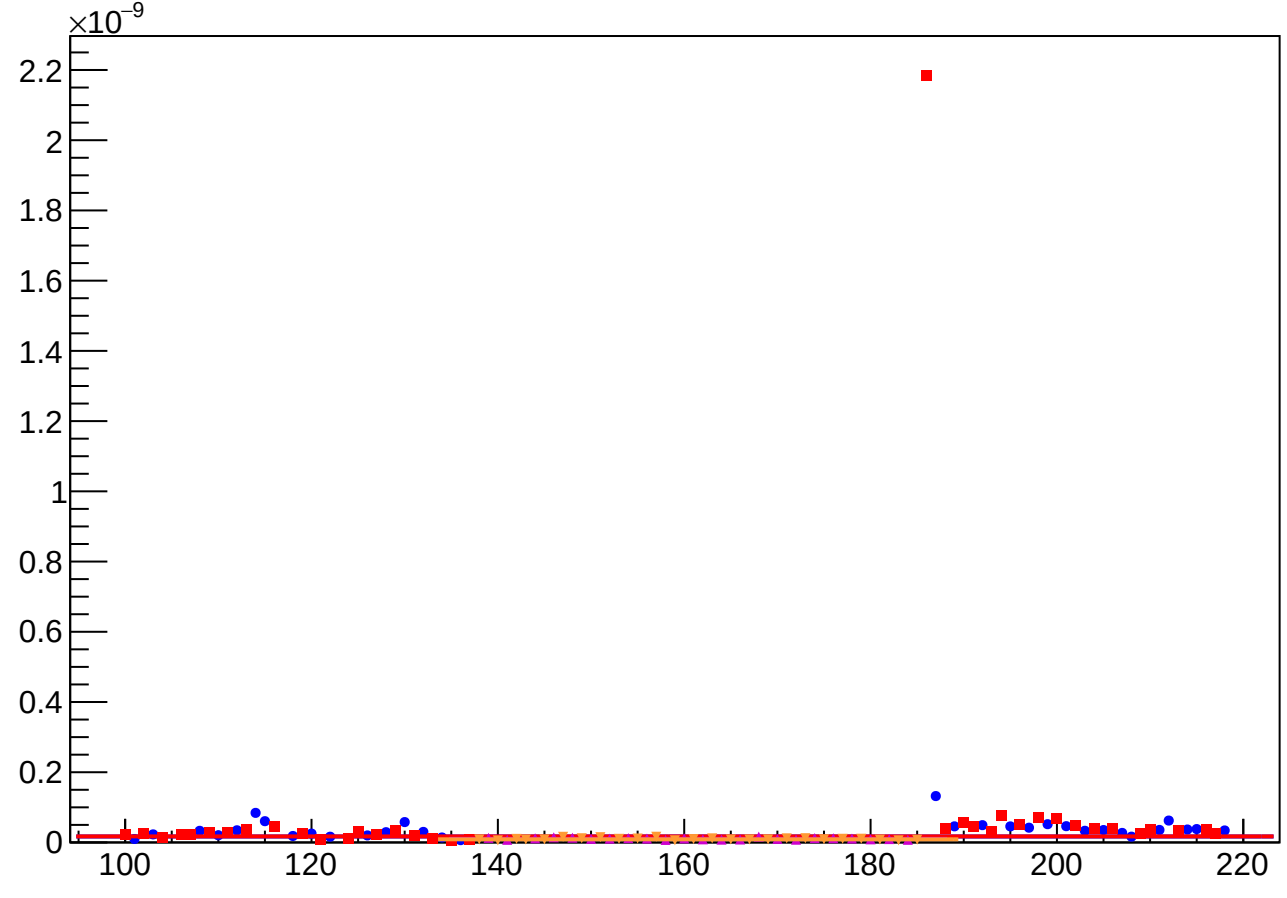
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 62.9/67

In: 0.000+/-0.000 χ^2/NDF:52.2/54

Out: 0.000+/-0.000 χ^2/NDF:62.3/60

All: 0.000+/-0.000 χ^2/NDF: 114.7/115



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: 8093826.3/35

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

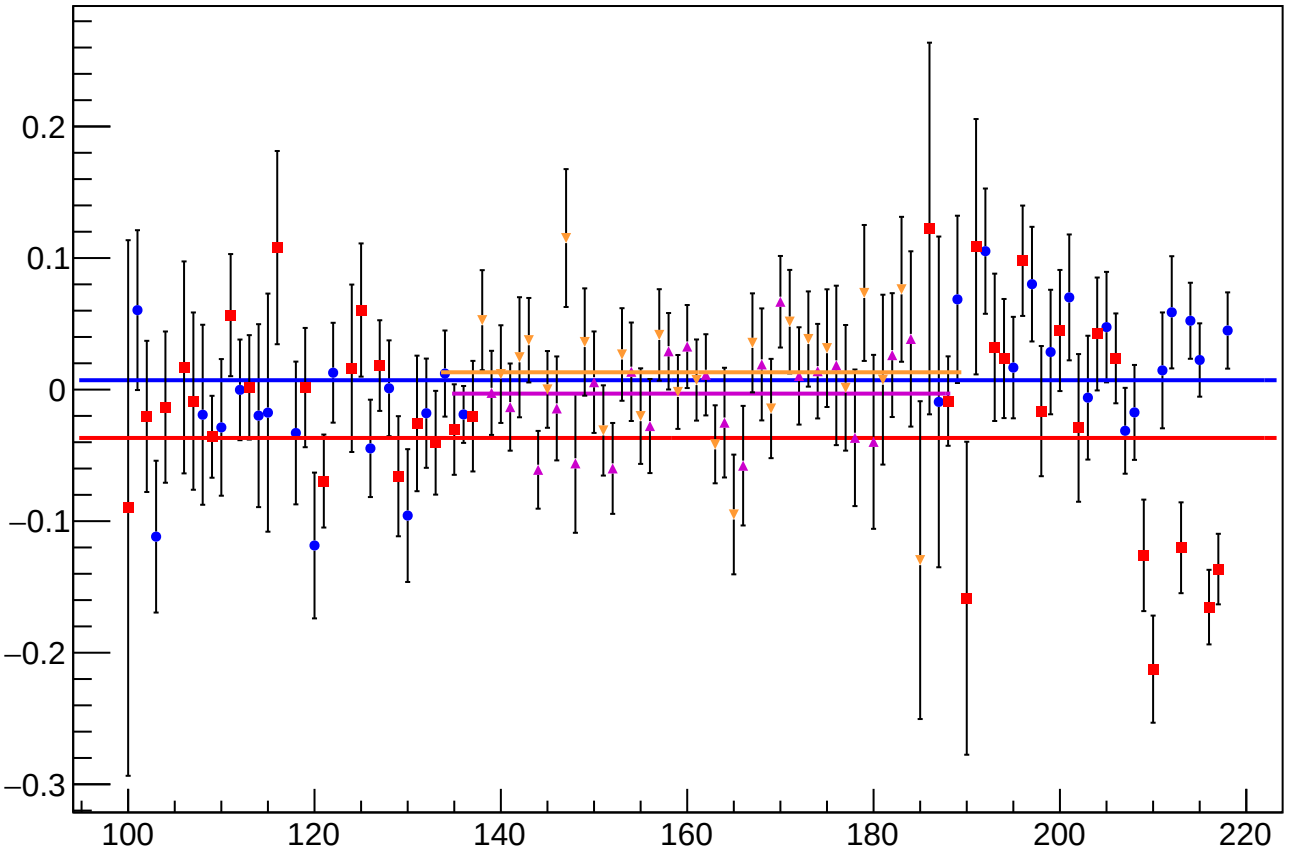
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 15458806.2/67

In: 0.000+/-0.000 χ^2/NDF:9513747.1/54

Out: 0.000+/-0.000 χ^2/NDF:11410109.3/60

All: 0.000+/-0.000 χ^2/NDF: 21083817.2/115



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: -0.037+/-0.007 χ^2/NDF: 111.0/35

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

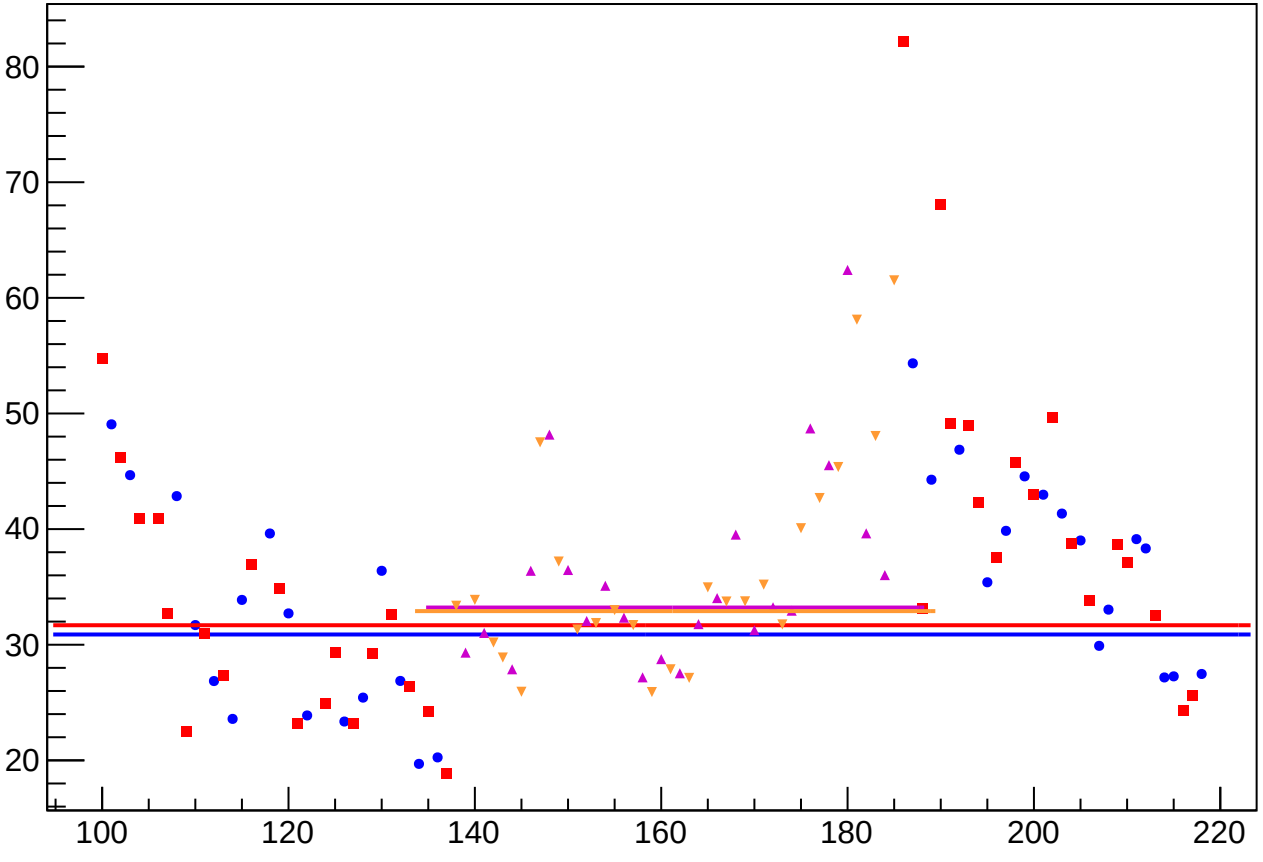
Right: -0.014+/-0.005 χ^2/NDF: 167.7/67

In: 0.003+/-0.005 χ^2/NDF:58.5/54

Out: -0.013+/-0.005 χ^2/NDF:158.5/60

All: -0.005+/-0.004 χ^2/NDF: 221.3/115

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: 31.686+/-0.005 χ^2/NDF: 2763108.1/35

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

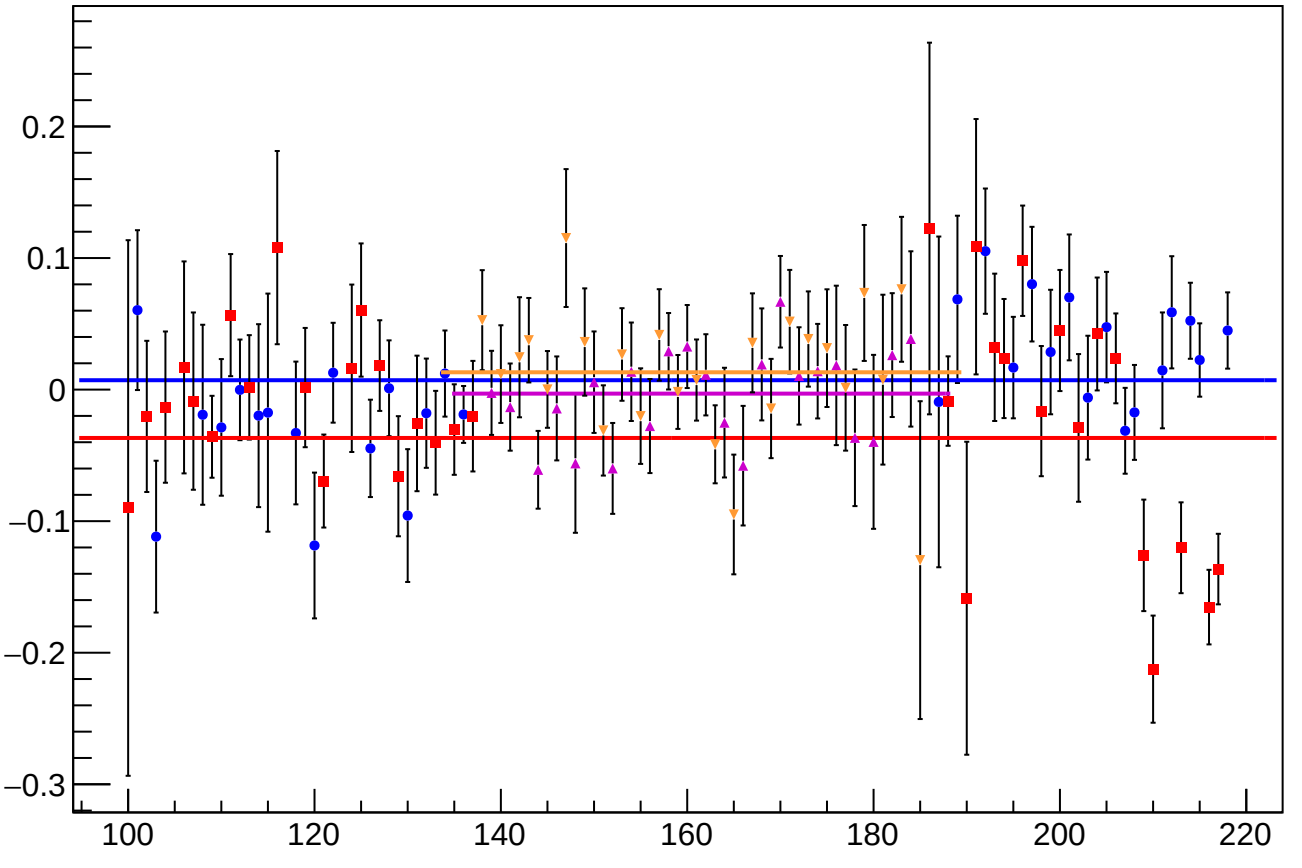
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.279+/-0.004 χ^2/NDF: 5384206.7/67

In: 31.933+/-0.004 χ^2/NDF:3924764.1/54

Out: 32.267+/-0.004 χ^2/NDF:4217547.4/60

All: 32.101+/-0.003 χ^2/NDF: 8146270.8/115



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: -0.037+/-0.007 χ^2/NDF: 111.0/35

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

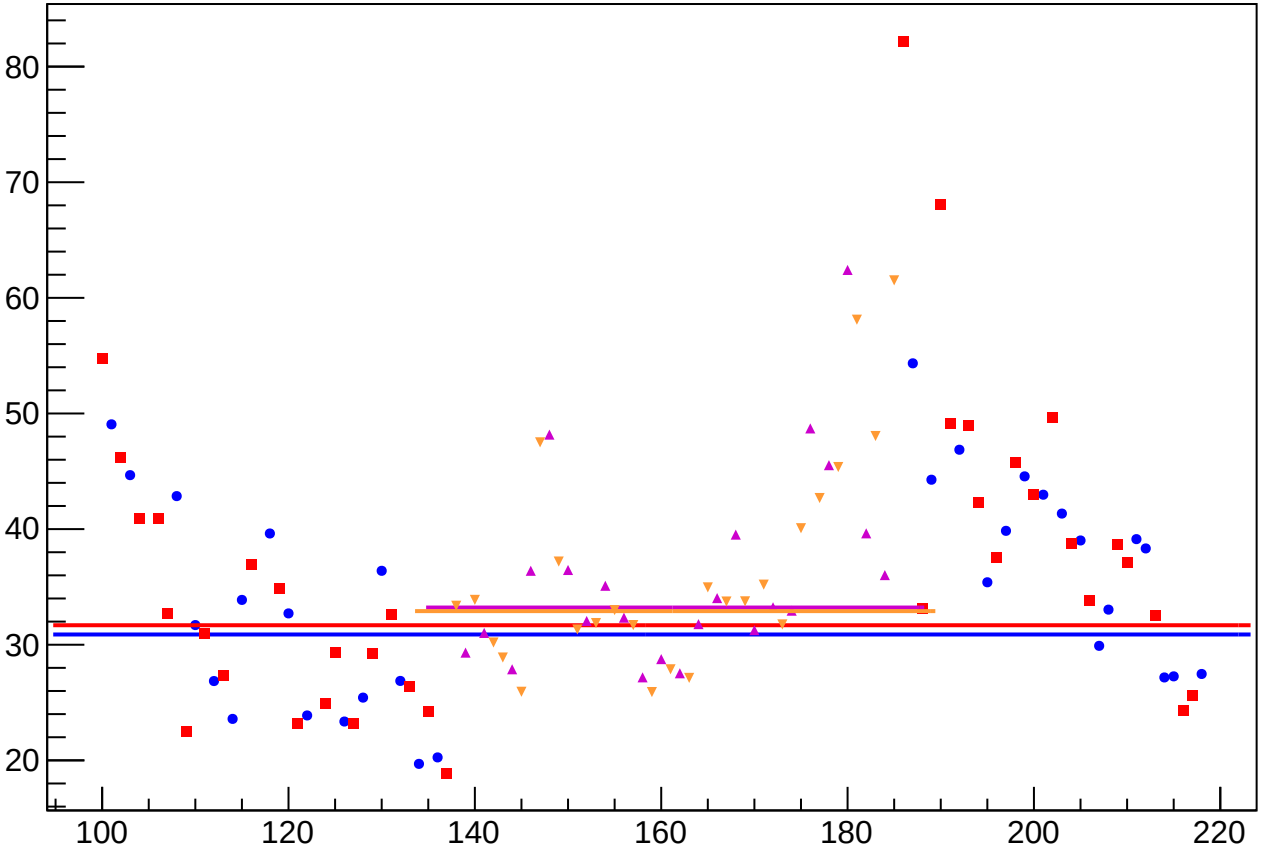
Right: -0.014+/-0.005 χ^2/NDF: 167.7/67

In: 0.003+/-0.005 χ^2/NDF:58.5/54

Out: -0.013+/-0.005 χ^2/NDF:158.5/60

All: -0.005+/-0.004 χ^2/NDF: 221.3/115

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: 31.686+/-0.005 χ^2/NDF: 2763108.1/35

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

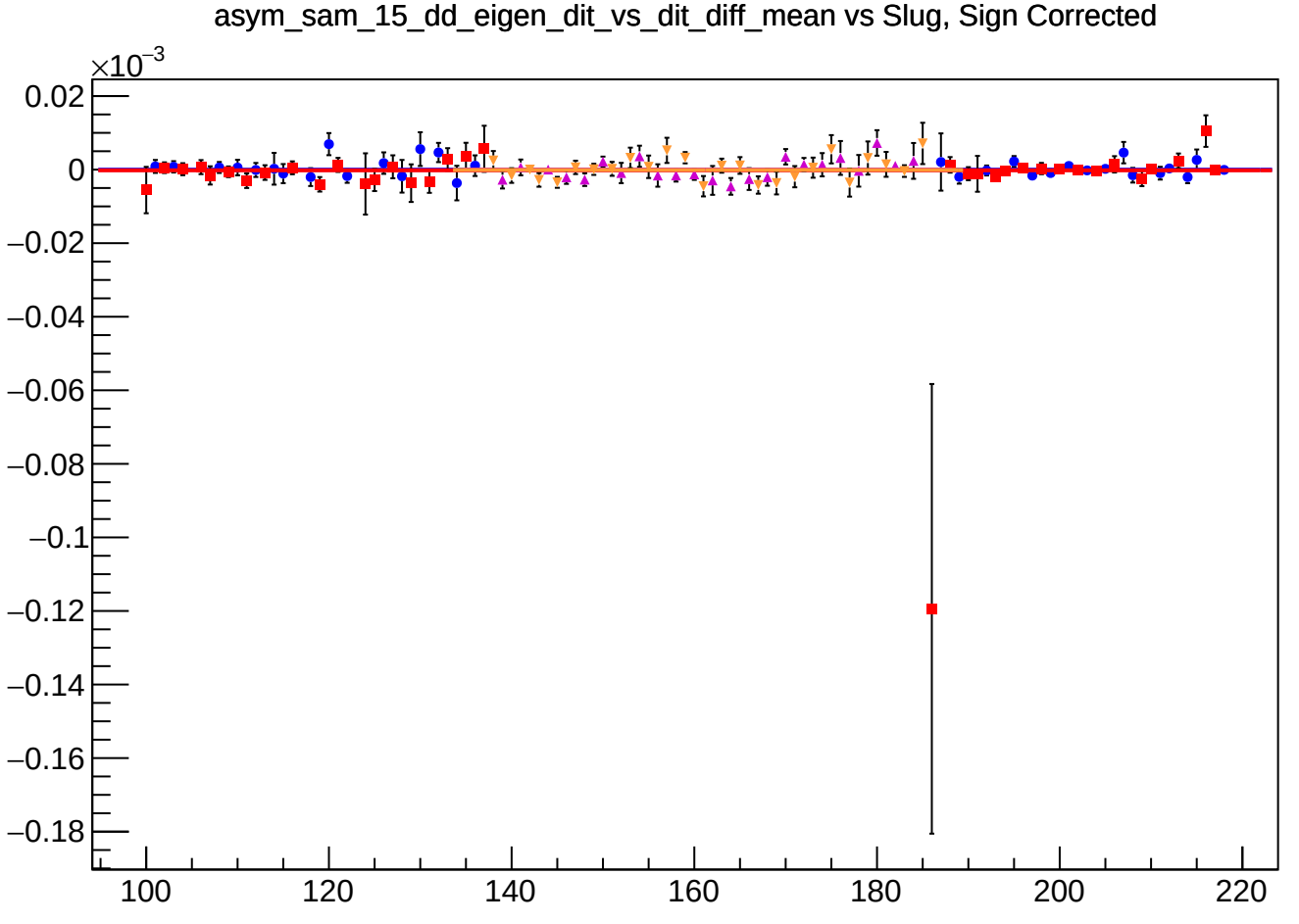
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.279+/-0.004 χ^2/NDF: 5384206.7/67

In: 31.933+/-0.004 χ^2/NDF:3924764.1/54

Out: 32.267+/-0.004 χ^2/NDF:4217547.4/60

All: 32.101+/-0.003 χ^2/NDF: 8146270.8/115



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: 31.1/35

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

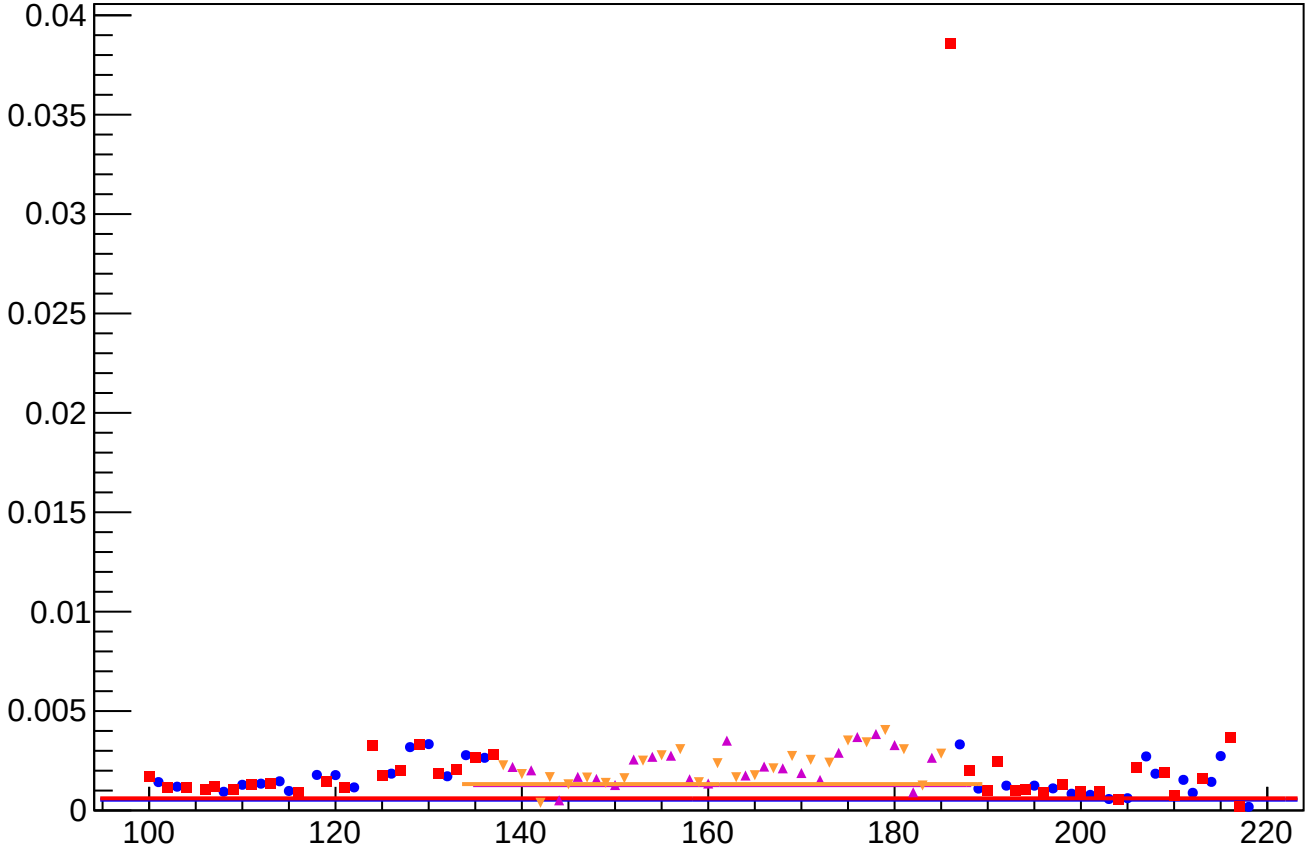
Right: -0.000+/-0.000 χ^2/NDF: 58.9/67

In: -0.000+/-0.000 χ^2/NDF:54.4/54

Out: -0.000+/-0.000 χ^2/NDF:62.2/60

All: -0.000+/-0.000 χ^2/NDF: 116.9/115

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: 17256639.1/35

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

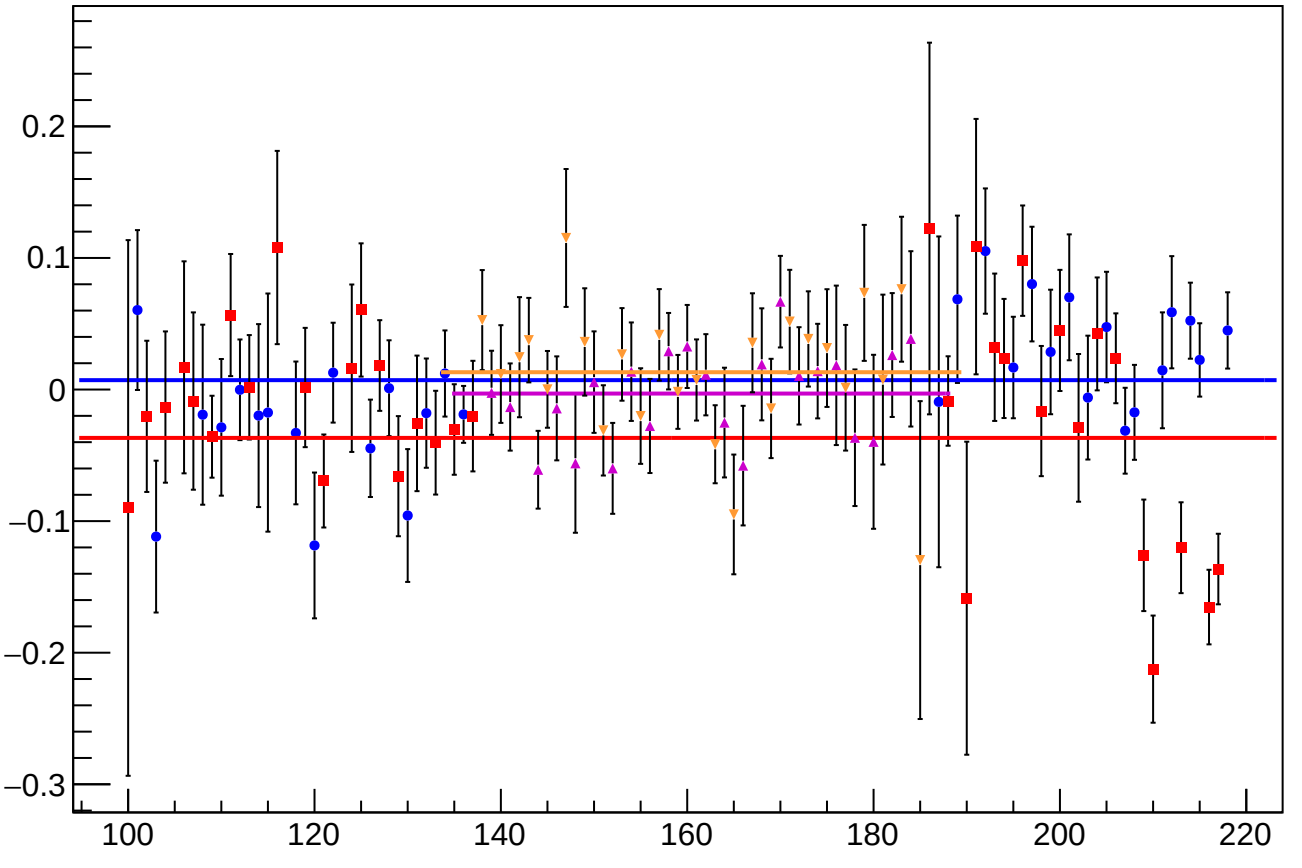
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 35699862.2/67

In: 0.001+/-0.000 χ^2/NDF:35018868.6/54

Out: 0.001+/-0.000 χ^2/NDF:34496669.5/60

All: 0.001+/-0.000 χ^2/NDF: 69693444.7/115



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: -0.037+/-0.007 χ^2/NDF: 111.0/35

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

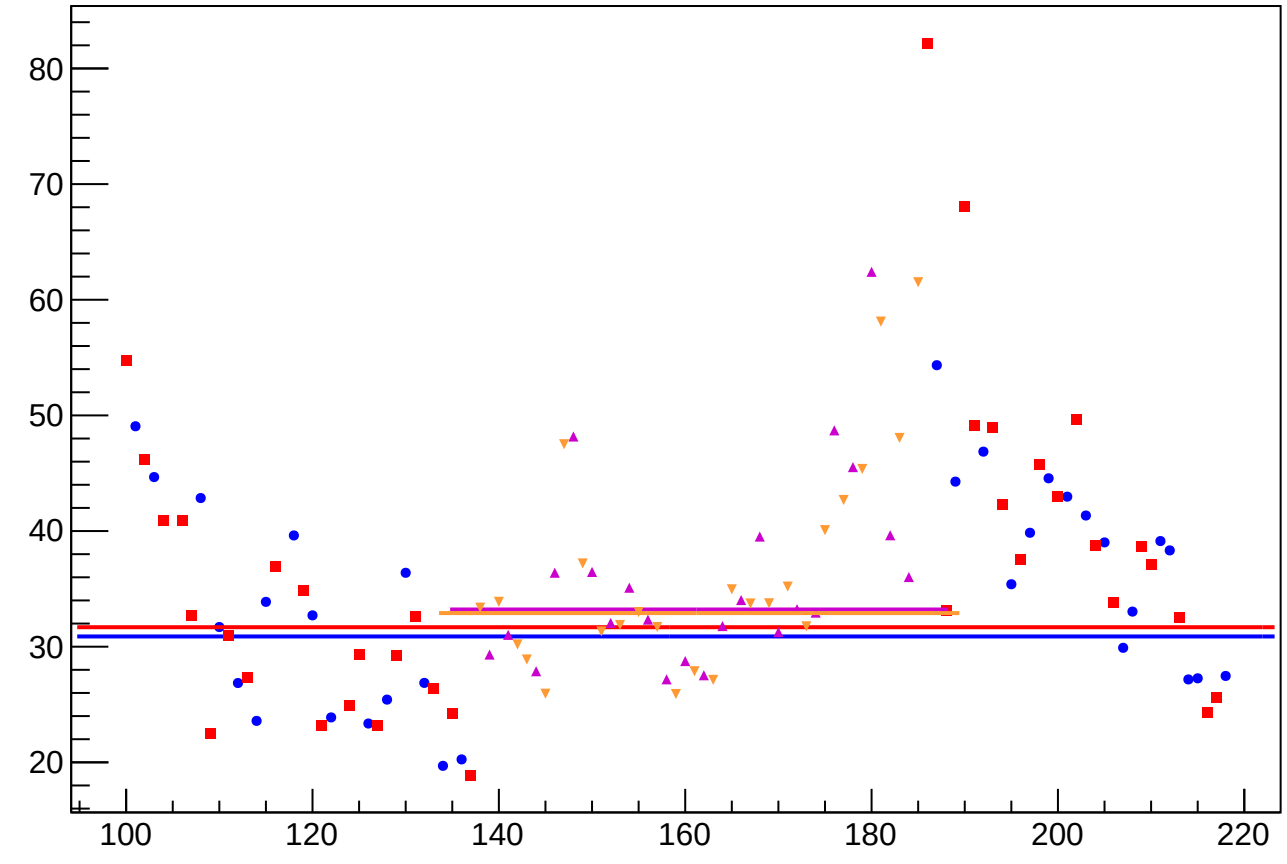
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.014+/-0.005 χ^2/NDF: 167.7/67

In: 0.003+/-0.005 χ^2/NDF:58.5/54

Out: -0.013+/-0.005 χ^2/NDF:158.5/60

All: -0.005+/-0.004 χ^2/NDF: 221.3/115



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: 31.685+/-0.005 χ^2/NDF: 2763489.2/35

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

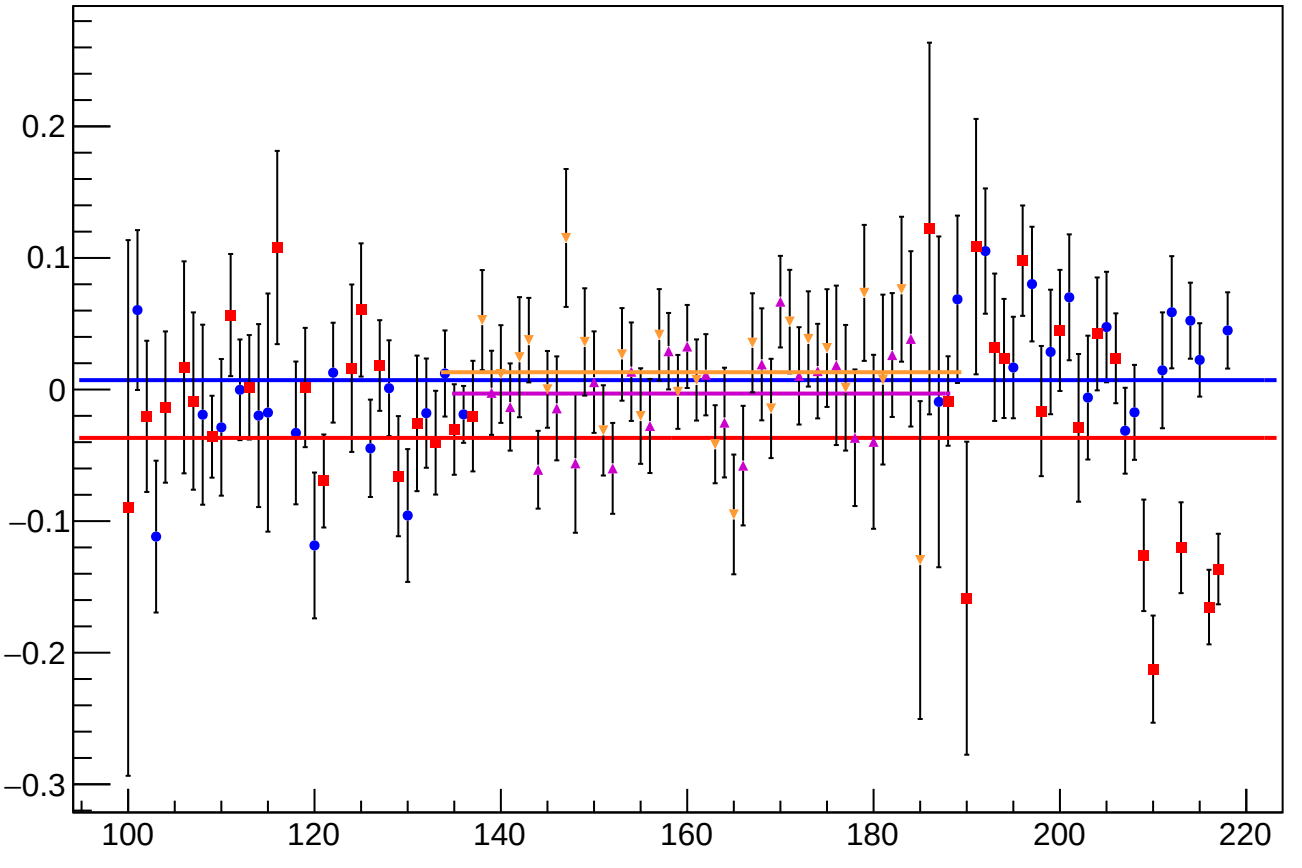
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.278+/-0.004 χ^2/NDF: 5384746.0/67

In: 31.932+/-0.004 χ^2/NDF:3925061.4/54

Out: 32.266+/-0.004 χ^2/NDF:4218045.0/60

All: 32.101+/-0.003 χ^2/NDF: 8147059.2/115



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: -0.037+/-0.007 χ^2/NDF: 111.0/35

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

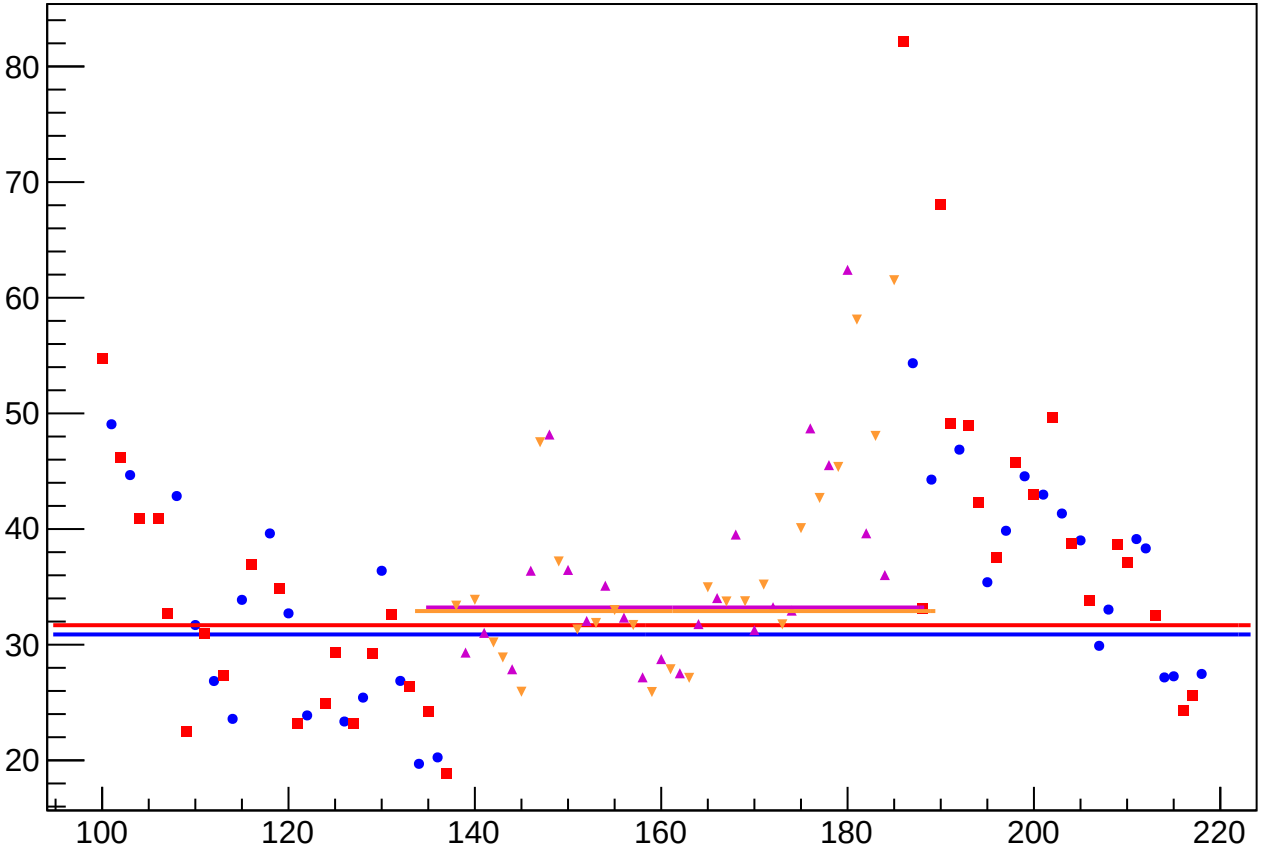
Right: -0.014+/-0.005 χ^2/NDF: 167.7/67

In: 0.003+/-0.005 χ^2/NDF:58.5/54

Out: -0.013+/-0.005 χ^2/NDF:158.5/60

All: -0.005+/-0.004 χ^2/NDF: 221.3/115

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: 31.685+/-0.005 χ^2/NDF: 2763489.2/35

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

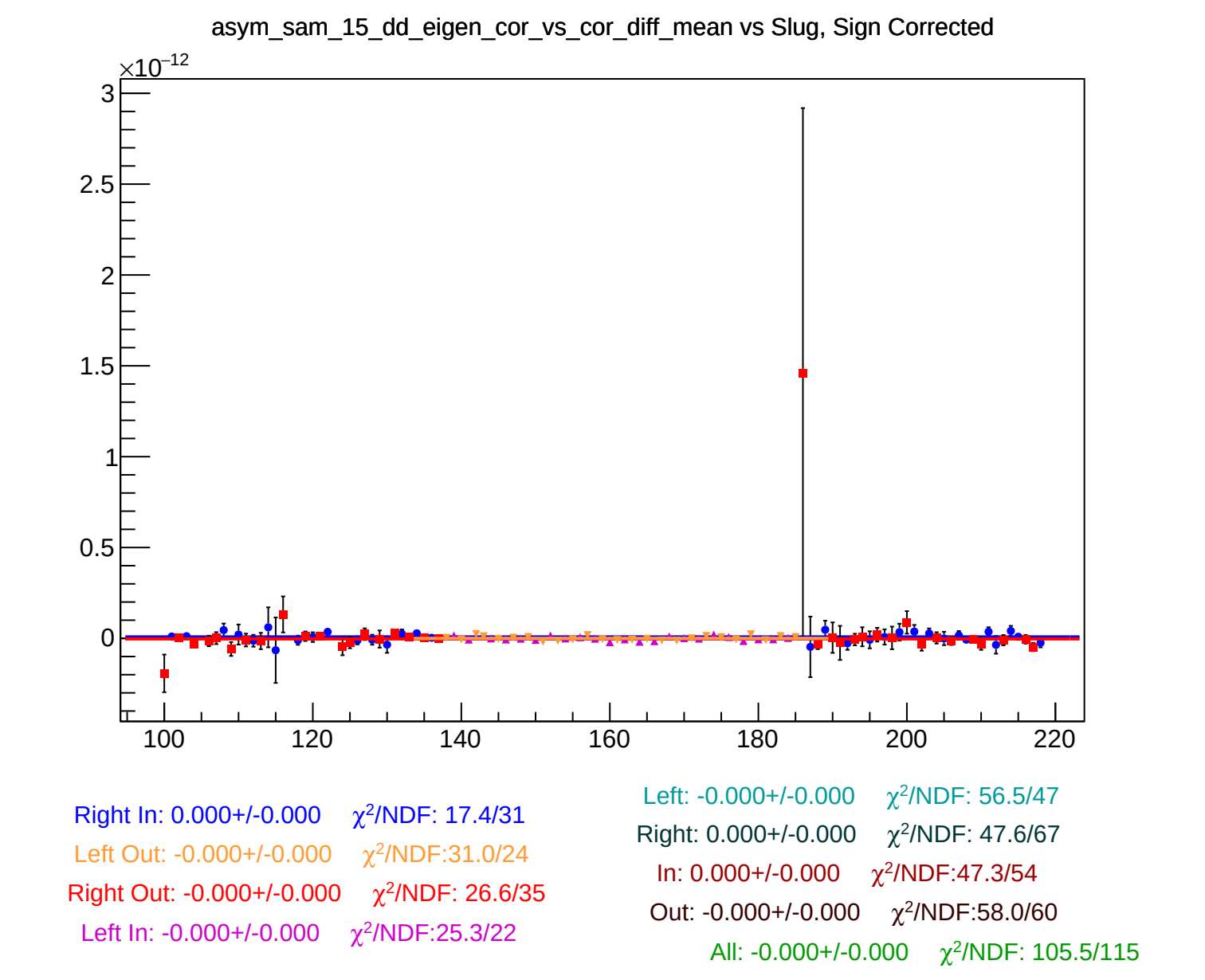
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

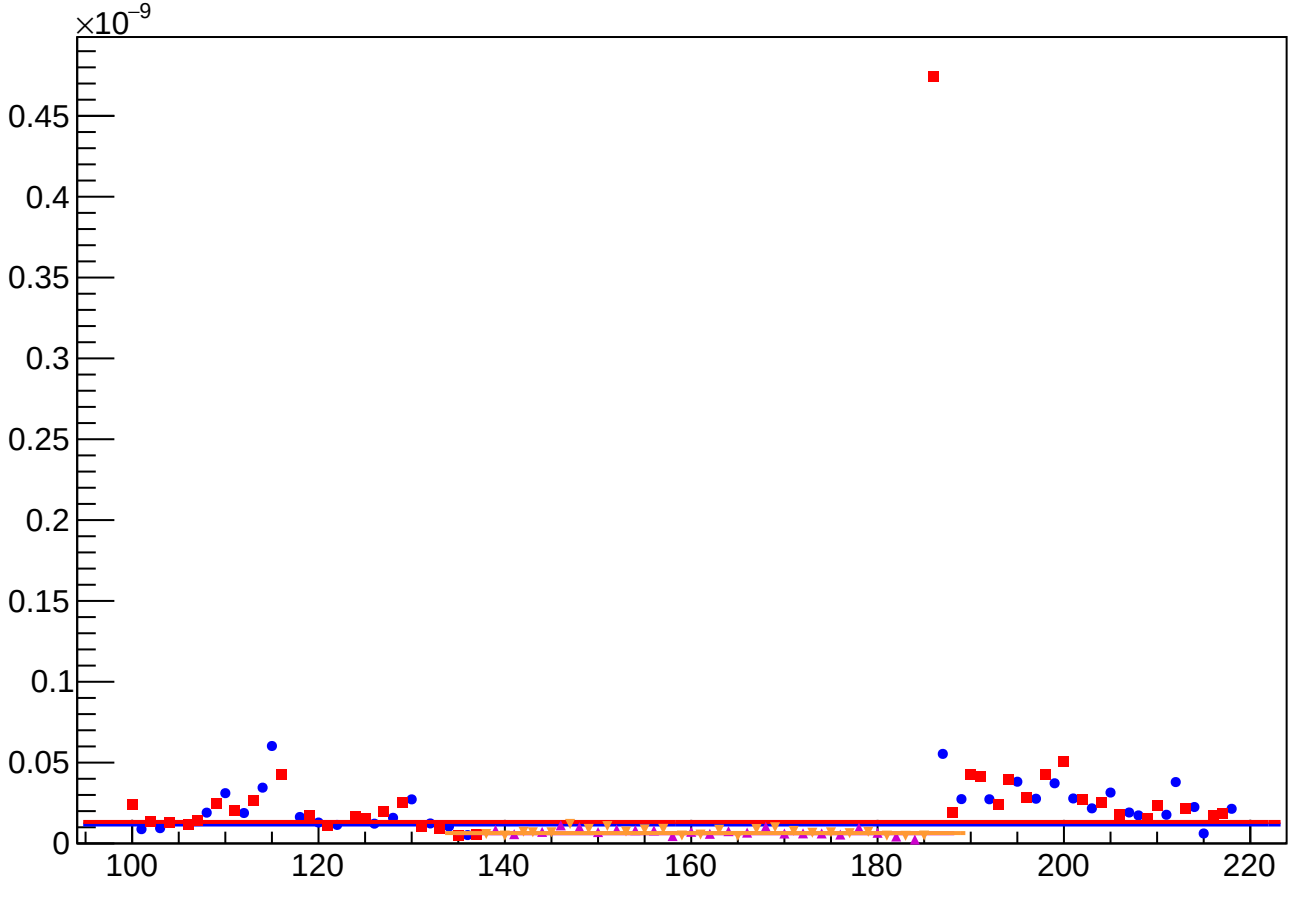
Right: 31.278+/-0.004 χ^2/NDF: 5384746.0/67

In: 31.932+/-0.004 χ^2/NDF:3925061.4/54

Out: 32.266+/-0.004 χ^2/NDF:4218045.0/60

All: 32.101+/-0.003 χ^2/NDF: 8147059.2/115


asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2.5
2
1.5
1
0.5
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 17.4/31
Left Out: -0.000+/-0.000 χ²/NDF:31.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 26.6/35
Left In: -0.000+/-0.000 χ²/NDF:25.3/22
Left: -0.000+/-0.000 χ²/NDF: 56.5/47
Right: 0.000+/-0.000 χ²/NDF: 47.6/67
In: 0.000+/-0.000 χ²/NDF:47.3/54
Out: -0.000+/-0.000 χ²/NDF:58.0/60
All: -0.000+/-0.000 χ²/NDF: 105.5/115



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: 7787126.8/35

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

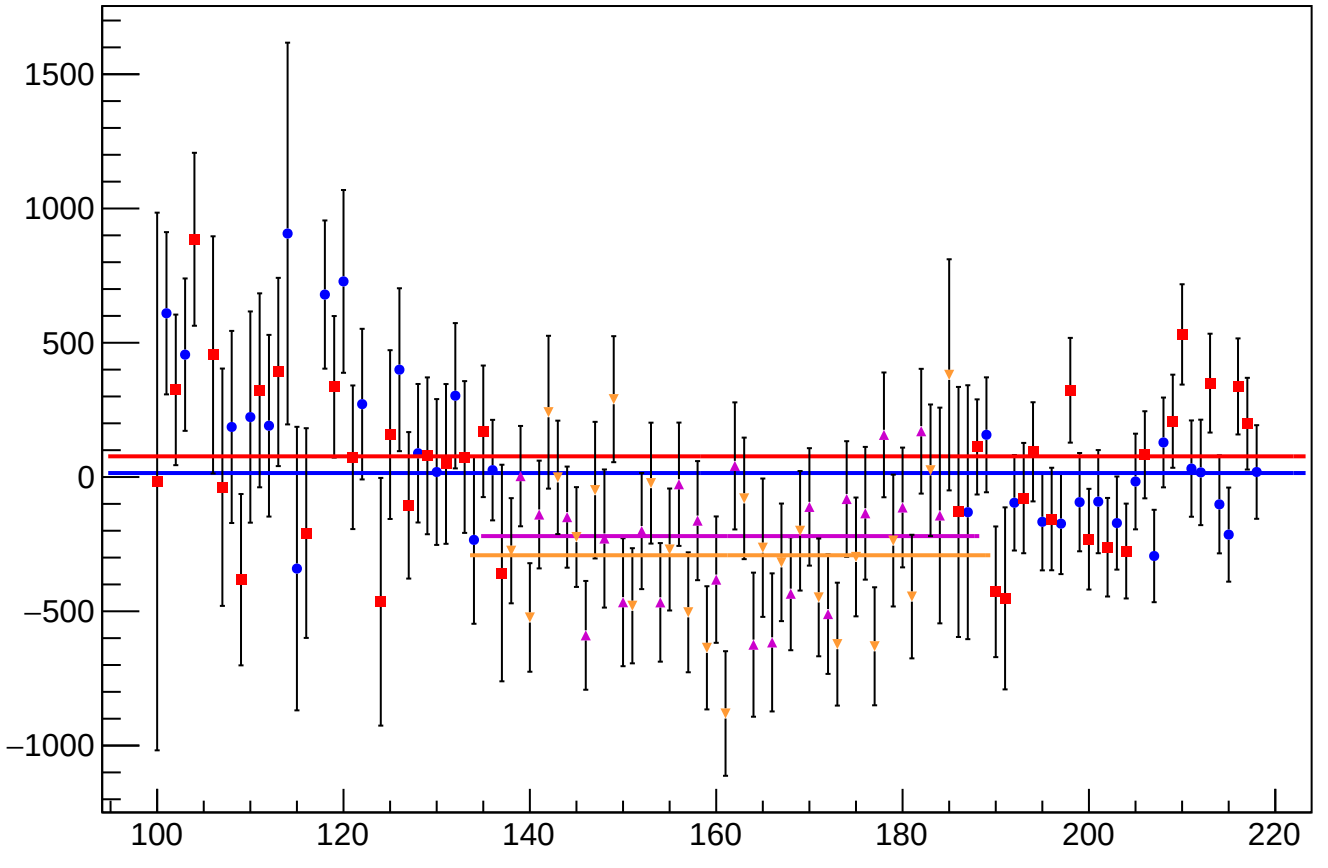
Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

Right: 0.000+/-0.000 χ^2/NDF: 16559672.4/67

In: 0.000+/-0.000 χ^2/NDF:13964323.3/54

Out: 0.000+/-0.000 χ^2/NDF:14261215.6/60

All: 0.000+/-0.000 χ^2/NDF: 28233844.3/115



Right In: 14.860+/-39.557 χ^2/NDF: 34.2/31

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: 77.071+/-39.690 χ^2/NDF: 48.0/35

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

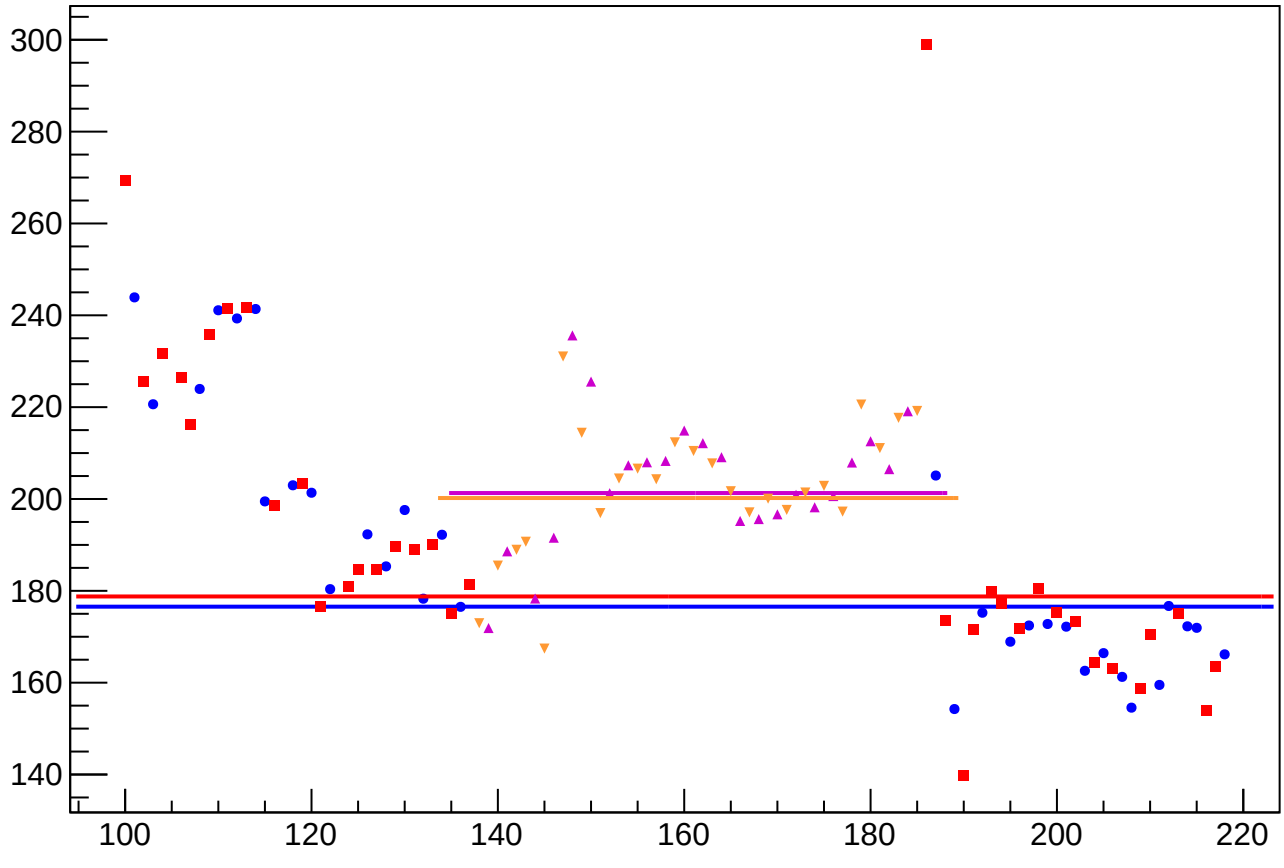
Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

Right: 45.862+/-28.018 χ^2/NDF: 83.4/67

In: -82.161+/-30.304 χ^2/NDF:72.5/54

Out: -81.662+/-29.942 χ^2/NDF:121.4/60

All: -81.908+/-21.299 χ^2/NDF: 193.9/115



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: 178.774+/-0.028 χ^2/NDF: 697355.3/35

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

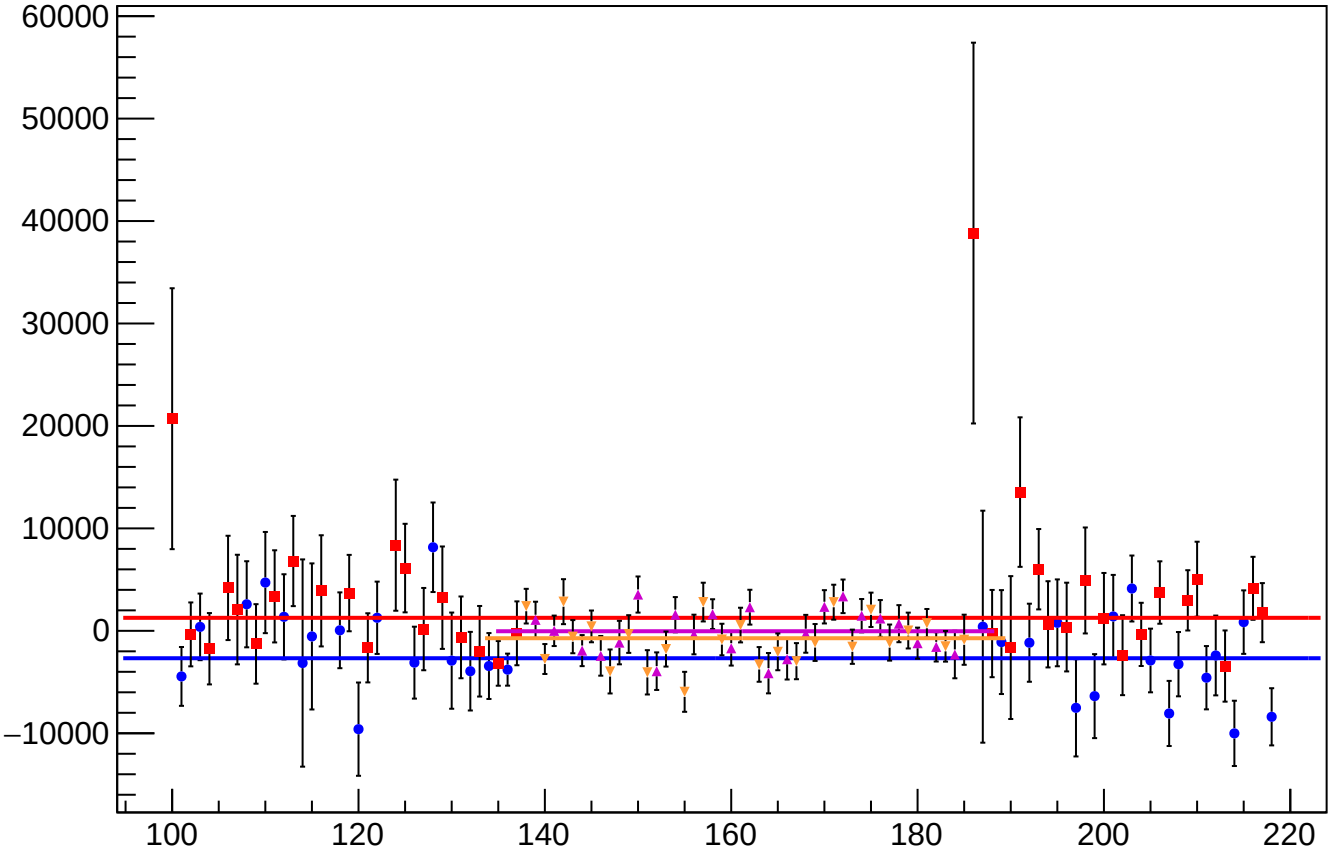
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 177.659+/-0.020 χ^2/NDF: 1213552.4/67

In: 186.775+/-0.021 χ^2/NDF:1018043.1/54

Out: 188.010+/-0.021 χ^2/NDF:1153127.7/60

All: 187.400+/-0.015 χ^2/NDF: 2172851.4/115



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: 1269.972+/-649.475 χ^2/NDF: 30.4/35

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

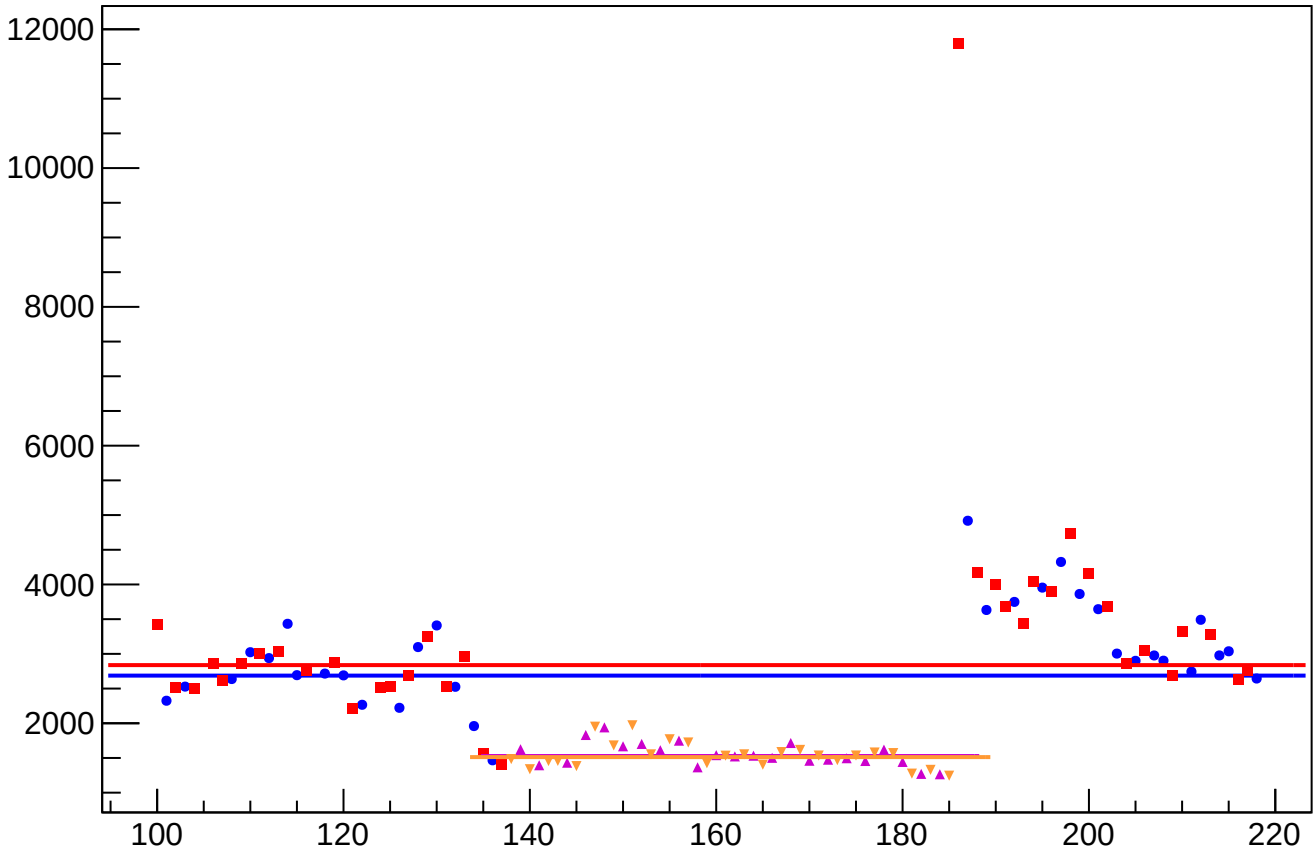
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -790.579+/-448.836 χ^2/NDF: 89.2/67

In: -700.075+/-310.972 χ^2/NDF:87.4/54

Out: -279.881+/-305.628 χ^2/NDF:76.0/60

All: -486.336+/-217.976 χ^2/NDF: 164.3/115



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: 2838.050+/-0.459 χ^2/NDF: 2985275.8/35

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

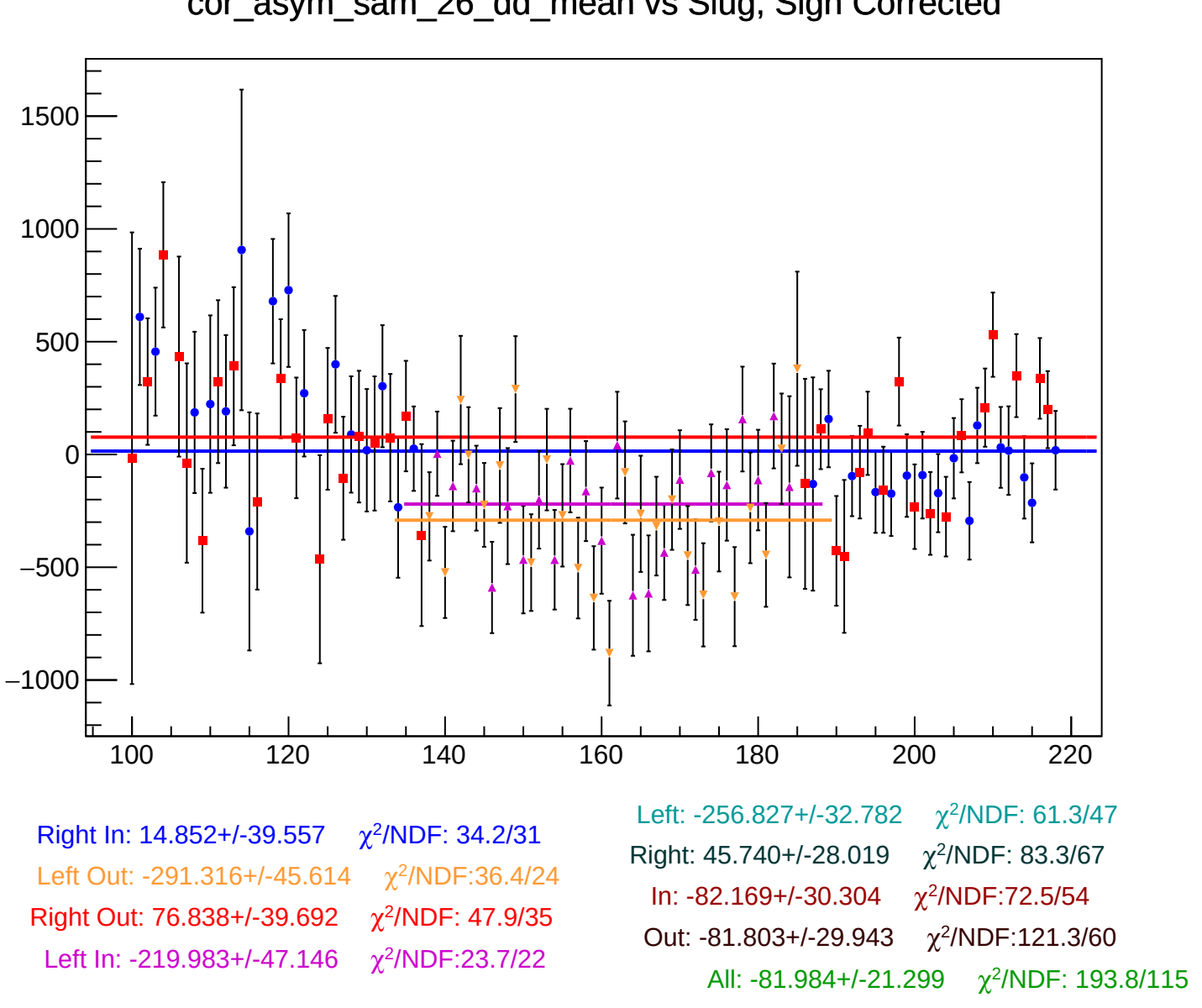
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

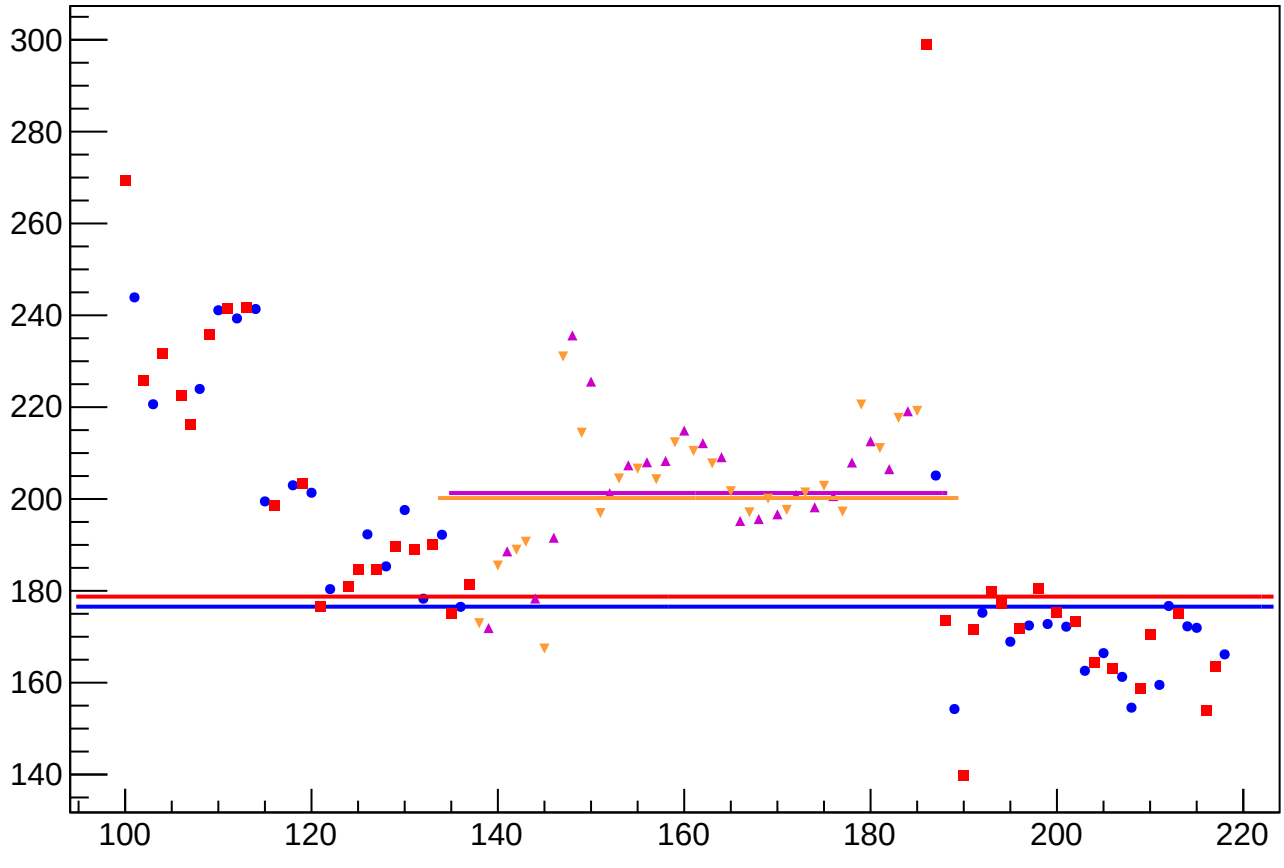
Right: 2758.973+/-0.317 χ^2/NDF: 5738211.4/67

In: 1818.539+/-0.220 χ^2/NDF:8287209.6/54

Out: 1805.928+/-0.216 χ^2/NDF:9915331.8/60

All: 1812.124+/-0.154 χ^2/NDF: 18204214.6/1


cor_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: 14.852+/-39.557 χ²/NDF: 34.2/31
Left Out: -291.316+/-45.614 χ²/NDF:36.4/24
Right Out: 76.838+/-39.692 χ²/NDF: 47.9/35
Left In: -219.983+/-47.146 χ²/NDF:23.7/22
Left: -256.827+/-32.782 χ²/NDF: 61.3/47
Right: 45.740+/-28.019 χ²/NDF: 83.3/67
In: -82.169+/-30.304 χ²/NDF:72.5/54
Out: -81.803+/-29.943 χ²/NDF:121.3/60
All: -81.984+/-21.299 χ²/NDF: 193.8/115



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: 178.740+/-0.028 χ^2/NDF: 693628.8/35

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

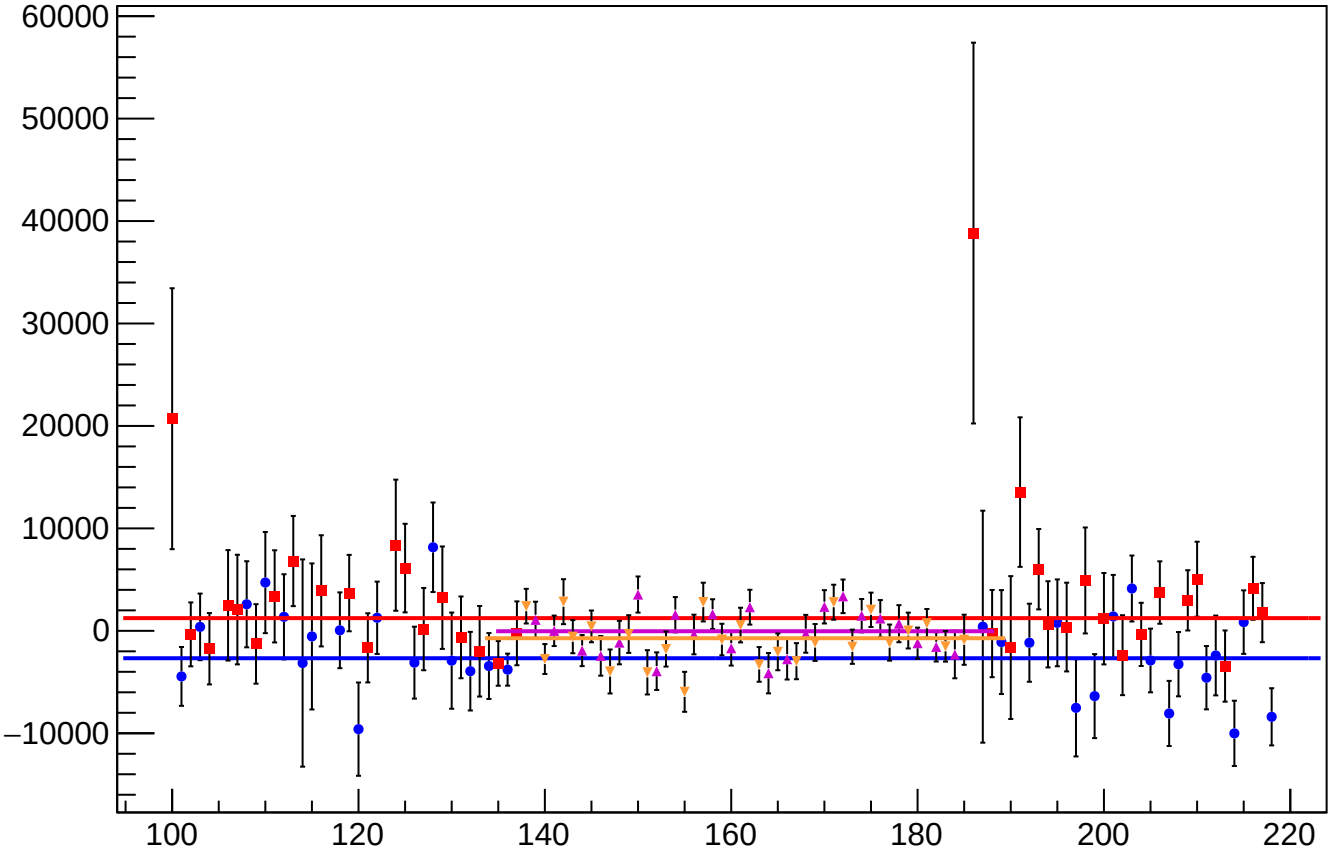
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 177.642+/-0.020 χ^2/NDF: 1209731.1/67

In: 186.775+/-0.021 χ^2/NDF:1018043.6/54

Out: 187.991+/-0.021 χ^2/NDF:1150188.3/60

All: 187.391+/-0.015 χ^2/NDF: 2169861.5/115



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: 1240.243+/-650.060 χ^2/NDF: 30.1/35

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

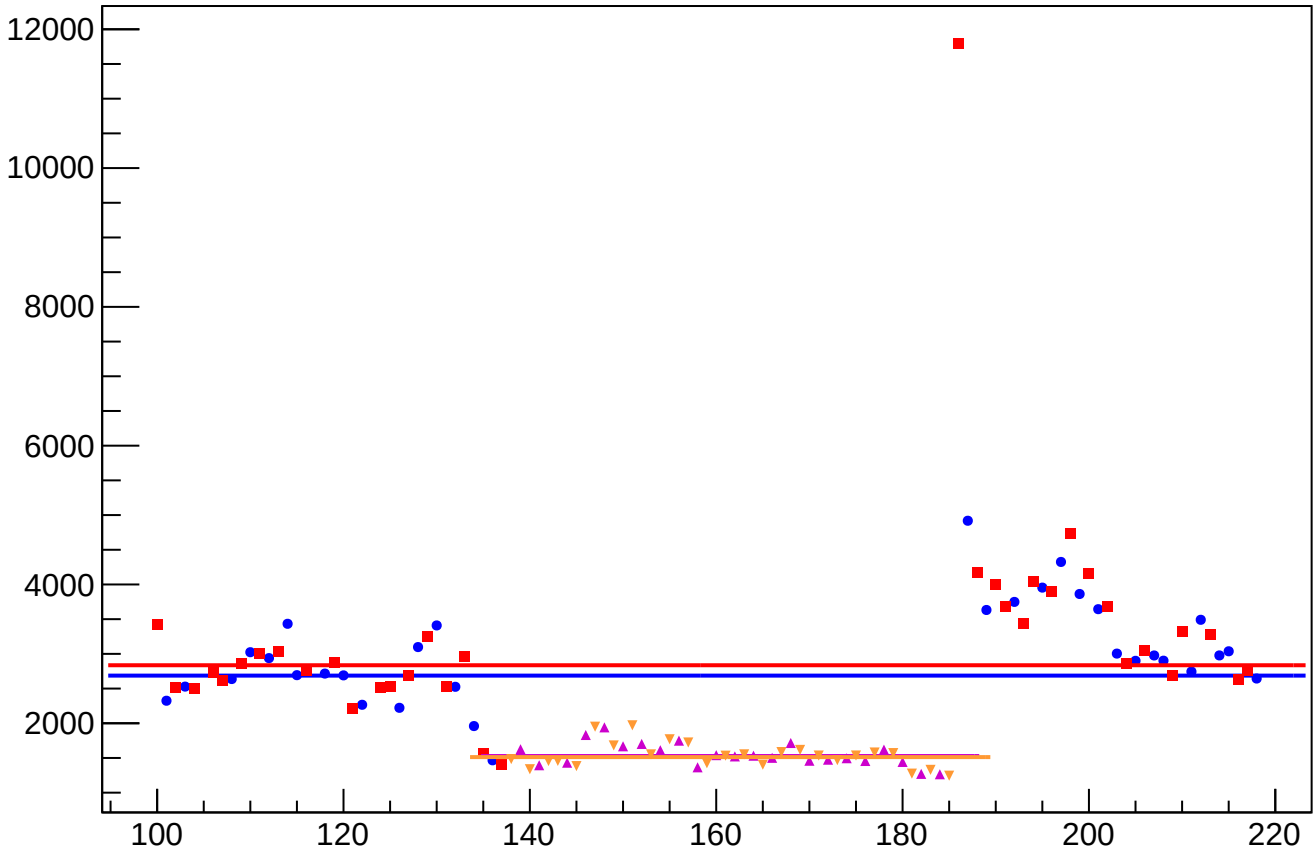
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -806.530+/-449.030 χ^2/NDF: 88.6/67

In: -700.070+/-310.972 χ^2/NDF:87.4/54

Out: -287.076+/-305.689 χ^2/NDF:75.5/60

All: -490.035+/-217.999 χ^2/NDF: 163.8/115



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: 2836.070+/-0.460 χ^2/NDF: 2985844.3/35

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

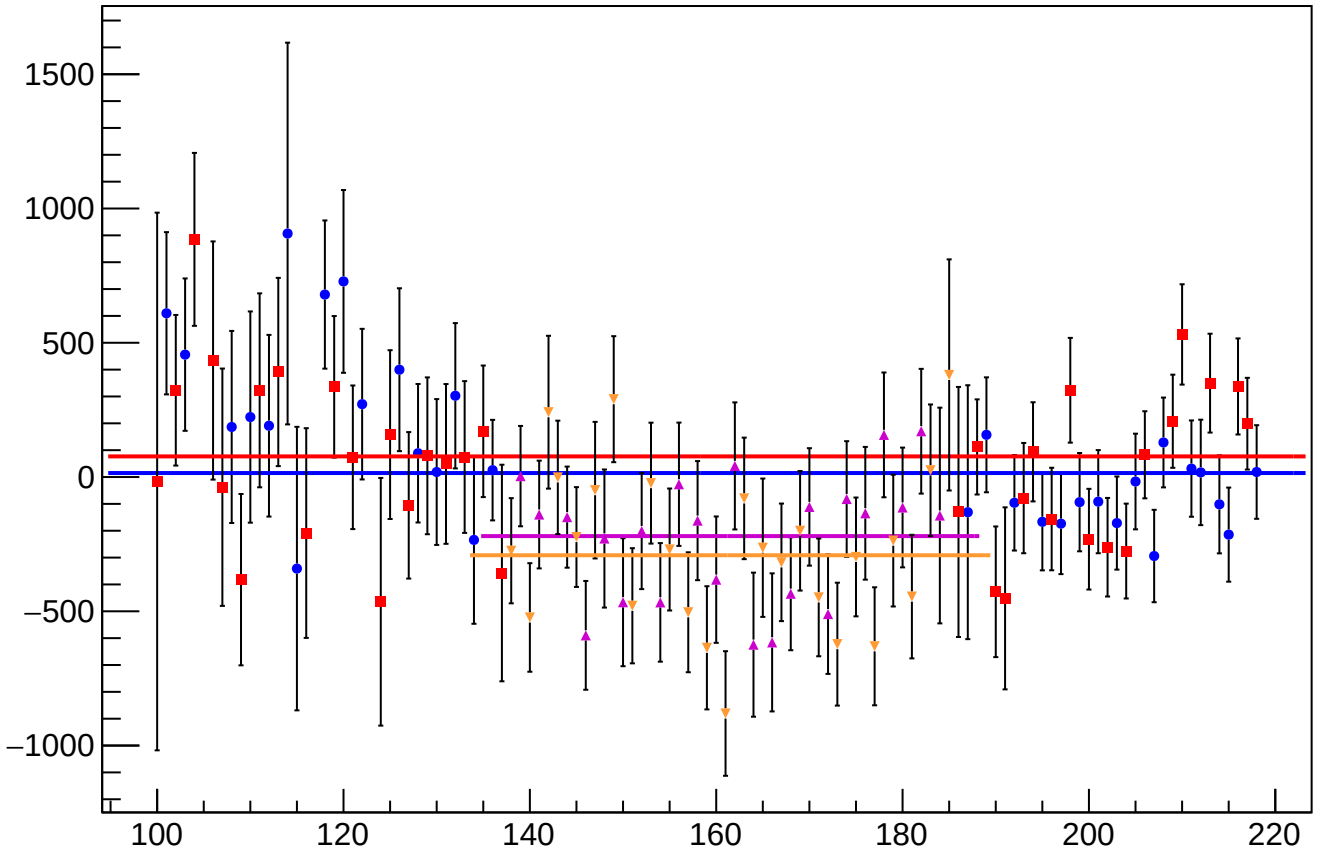
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2757.961+/-0.318 χ^2/NDF: 5737242.7/67

In: 1818.540+/-0.220 χ^2/NDF:8287217.9/54

Out: 1805.078+/-0.216 χ^2/NDF:9887456.6/60

All: 1811.694+/-0.154 χ^2/NDF: 18176580.5/1



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: 76.838+/-39.692 χ^2/NDF: 47.9/35

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

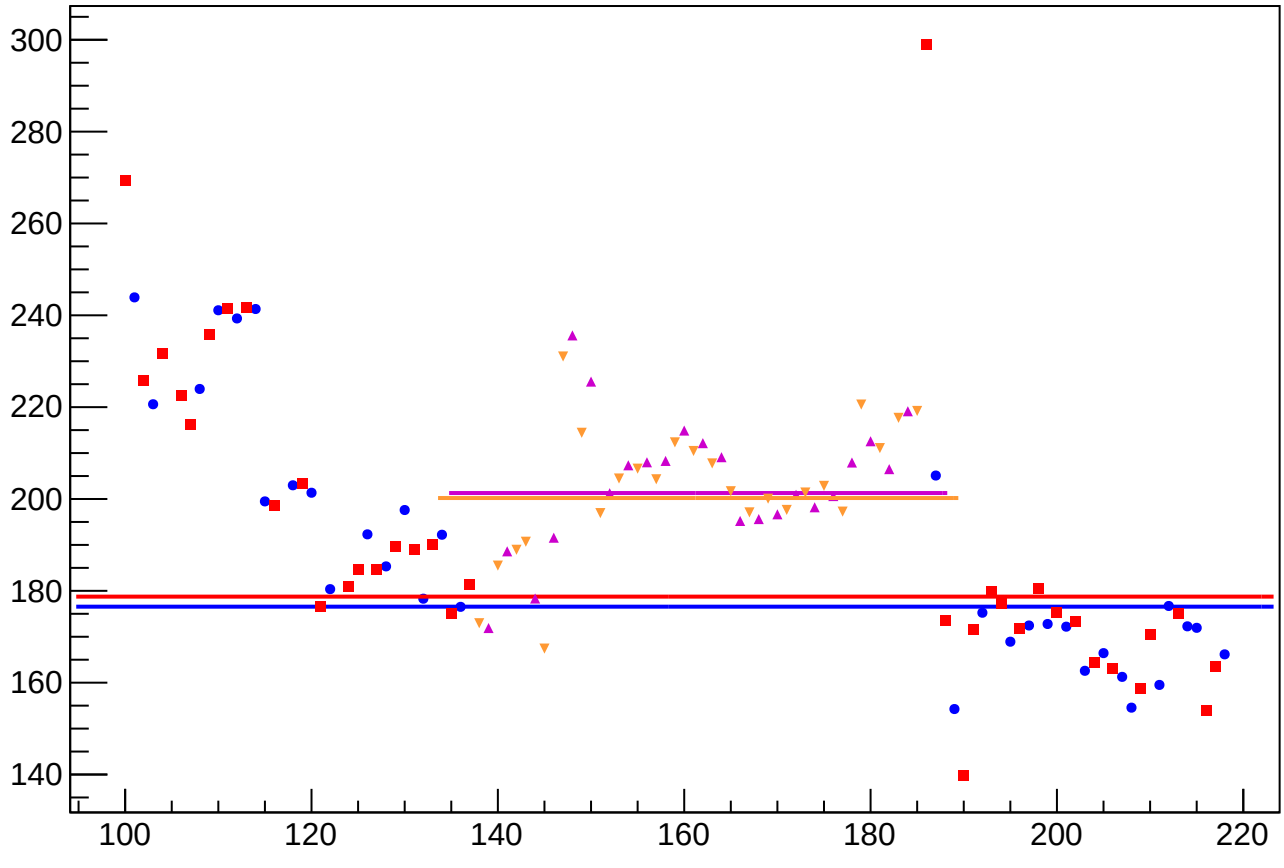
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 45.740+/-28.019 χ^2/NDF: 83.3/67

In: -82.169+/-30.304 χ^2/NDF:72.5/54

Out: -81.803+/-29.943 χ^2/NDF:121.3/60

All: -81.984+/-21.299 χ^2/NDF: 193.8/115



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: 178.740+/-0.028 χ^2/NDF: 693628.8/35

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

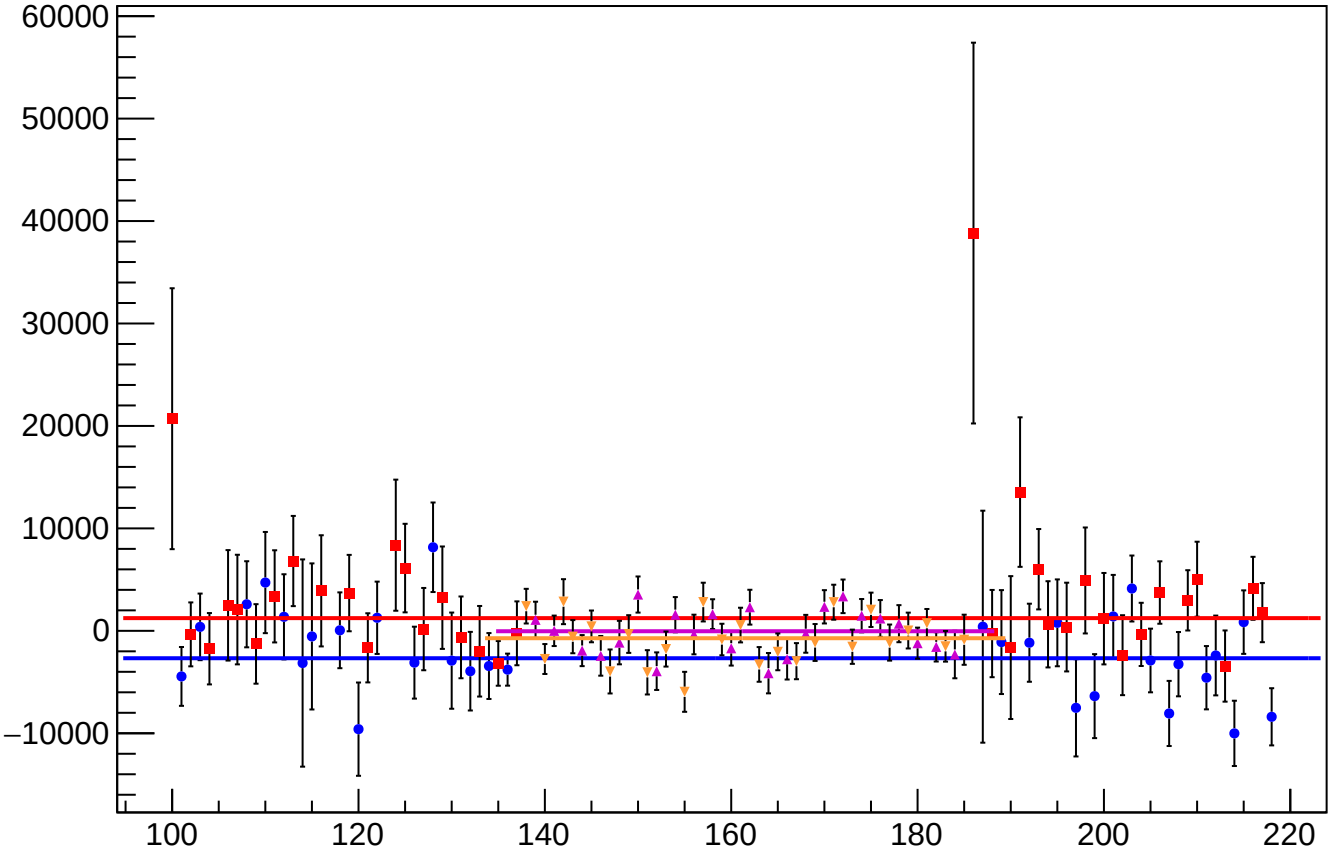
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 177.642+/-0.020 χ^2/NDF: 1209731.1/67

In: 186.775+/-0.021 χ^2/NDF:1018043.6/54

Out: 187.991+/-0.021 χ^2/NDF:1150188.3/60

All: 187.391+/-0.015 χ^2/NDF: 2169861.5/115



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: 1240.243+/-650.060 χ^2/NDF: 30.1/35

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

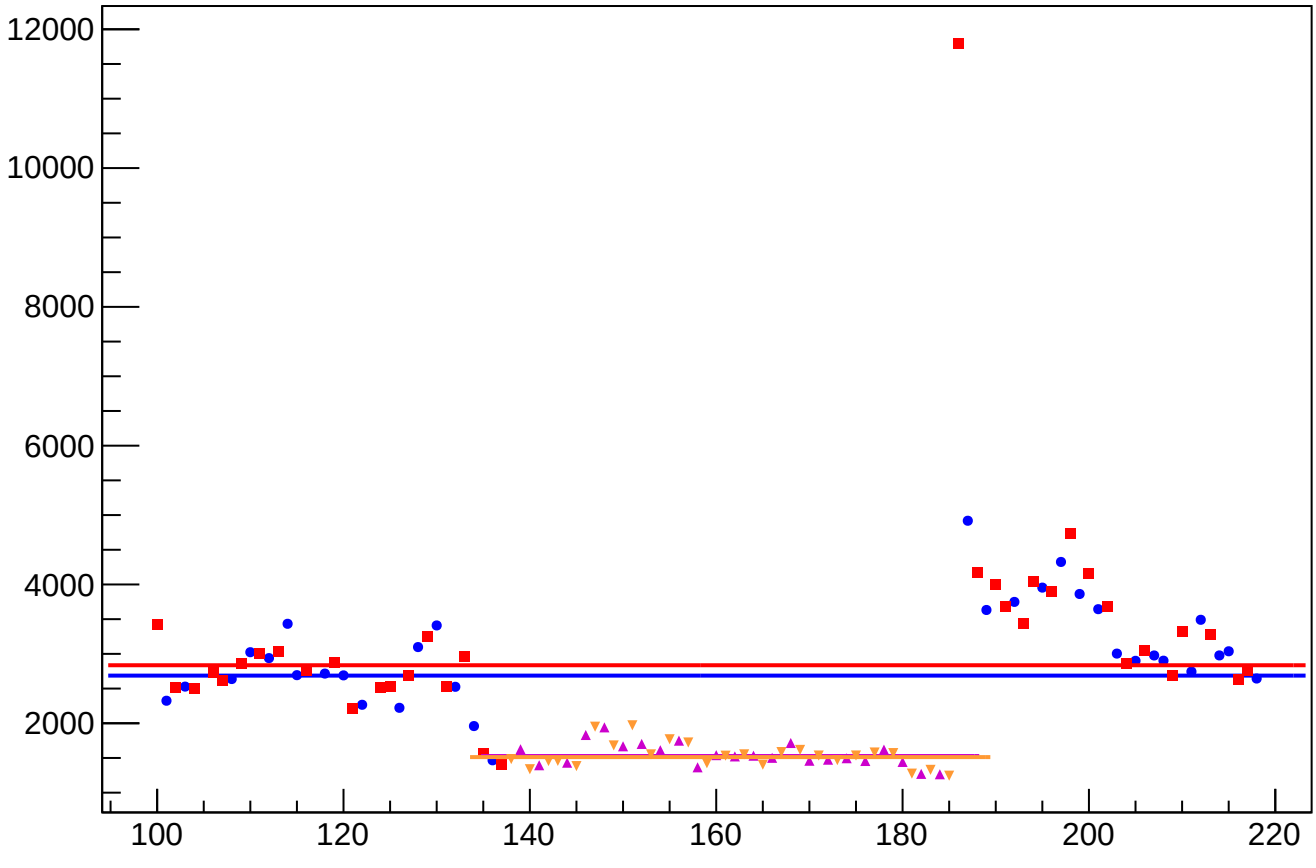
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -806.530+/-449.030 χ^2/NDF: 88.6/67

In: -700.070+/-310.972 χ^2/NDF:87.4/54

Out: -287.076+/-305.689 χ^2/NDF:75.5/60

All: -490.035+/-217.999 χ^2/NDF: 163.8/115



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: 2836.070+/-0.460 χ^2/NDF: 2985844.3/35

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

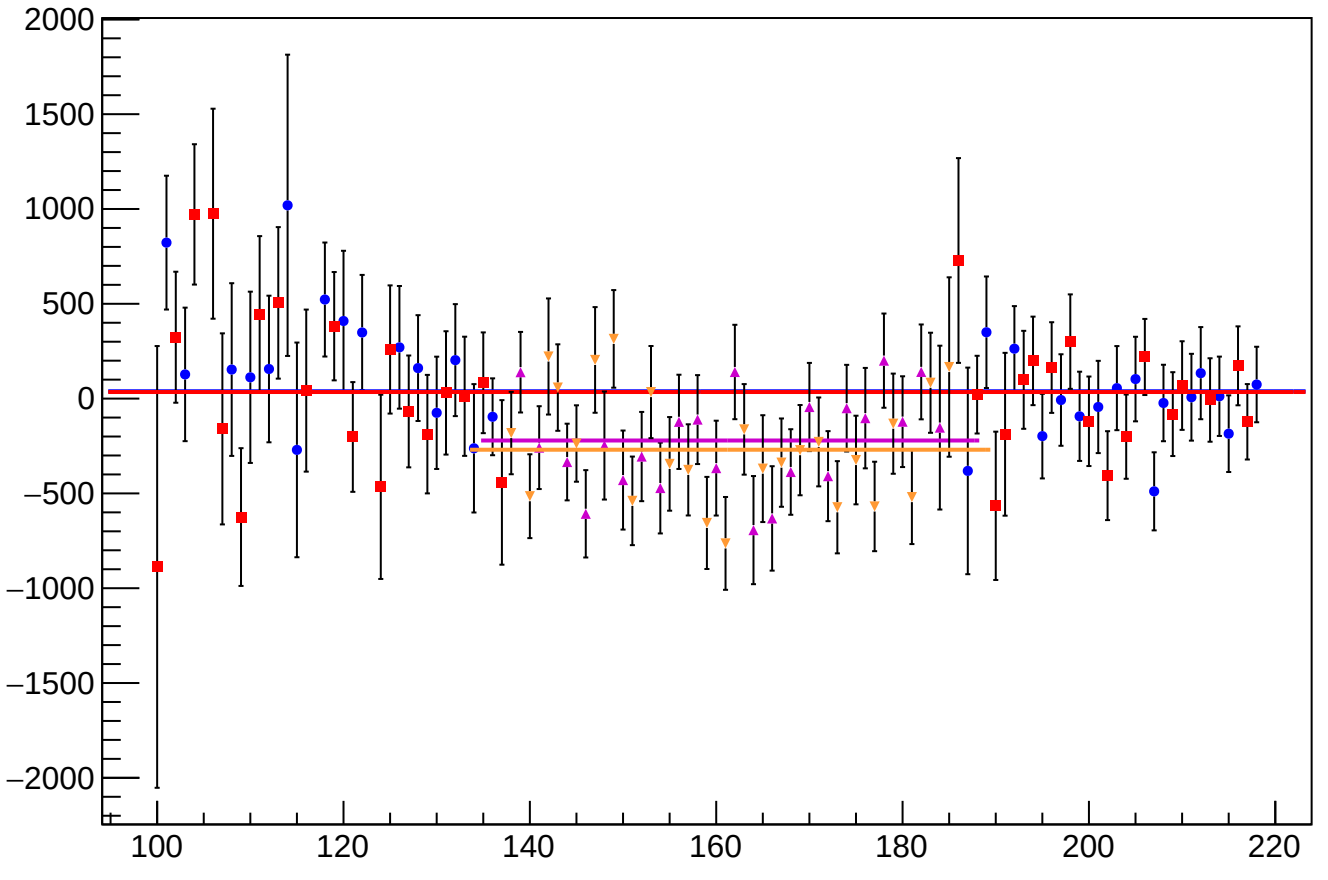
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2757.961+/-0.318 χ^2/NDF: 5737242.7/67

In: 1818.540+/-0.220 χ^2/NDF:8287217.9/54

Out: 1805.078+/-0.216 χ^2/NDF:9887456.6/60

All: 1811.694+/-0.154 χ^2/NDF: 18176580.5/1



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: 34.733+/-47.569 χ^2/NDF: 35.5/35

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

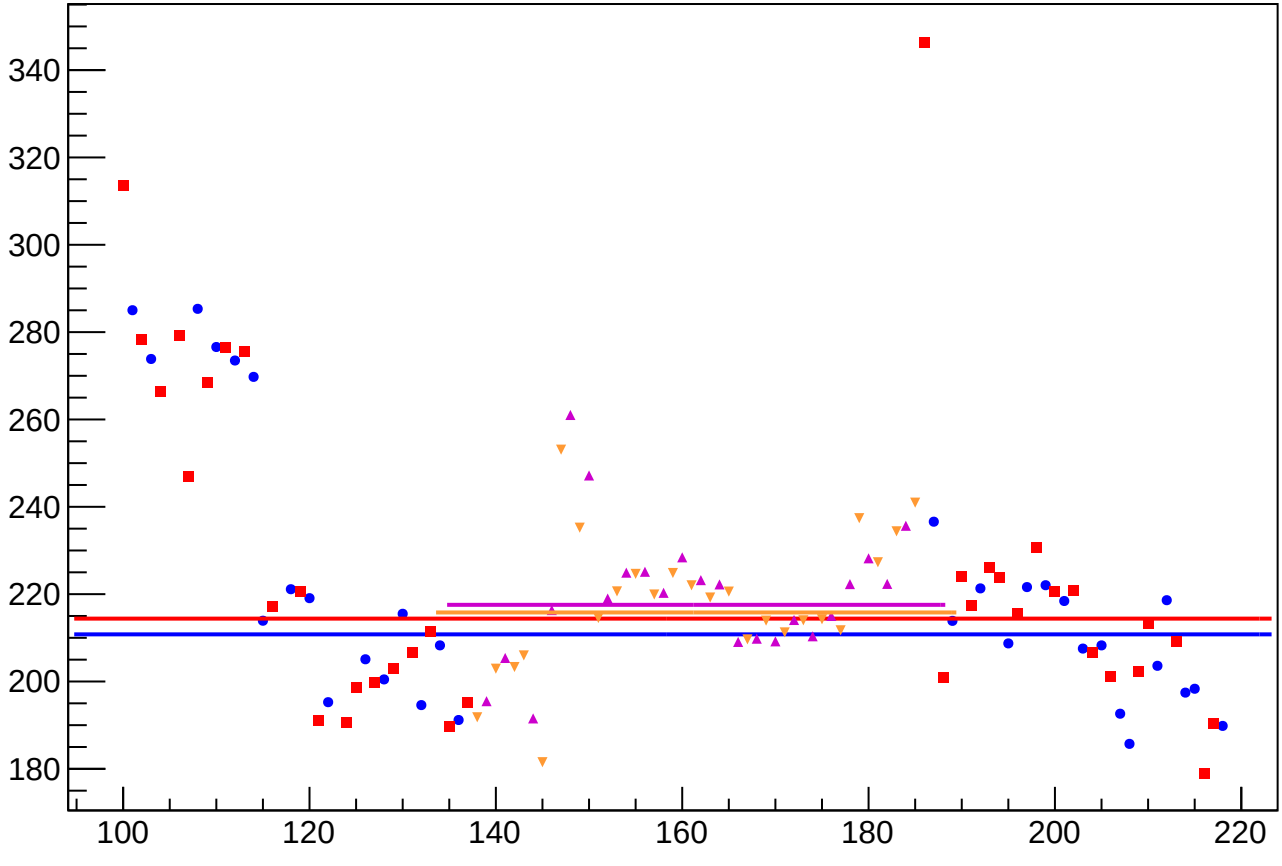
Right: 36.709+/-33.504 χ^2/NDF: 62.1/67

In: -81.213+/-34.626 χ^2/NDF:63.9/54

Out: -112.474+/-34.184 χ^2/NDF:86.8/60

All: -97.044+/-24.327 χ^2/NDF: 151.1/115

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: 214.398+/-0.034 χ^2/NDF: 600881.3/35

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

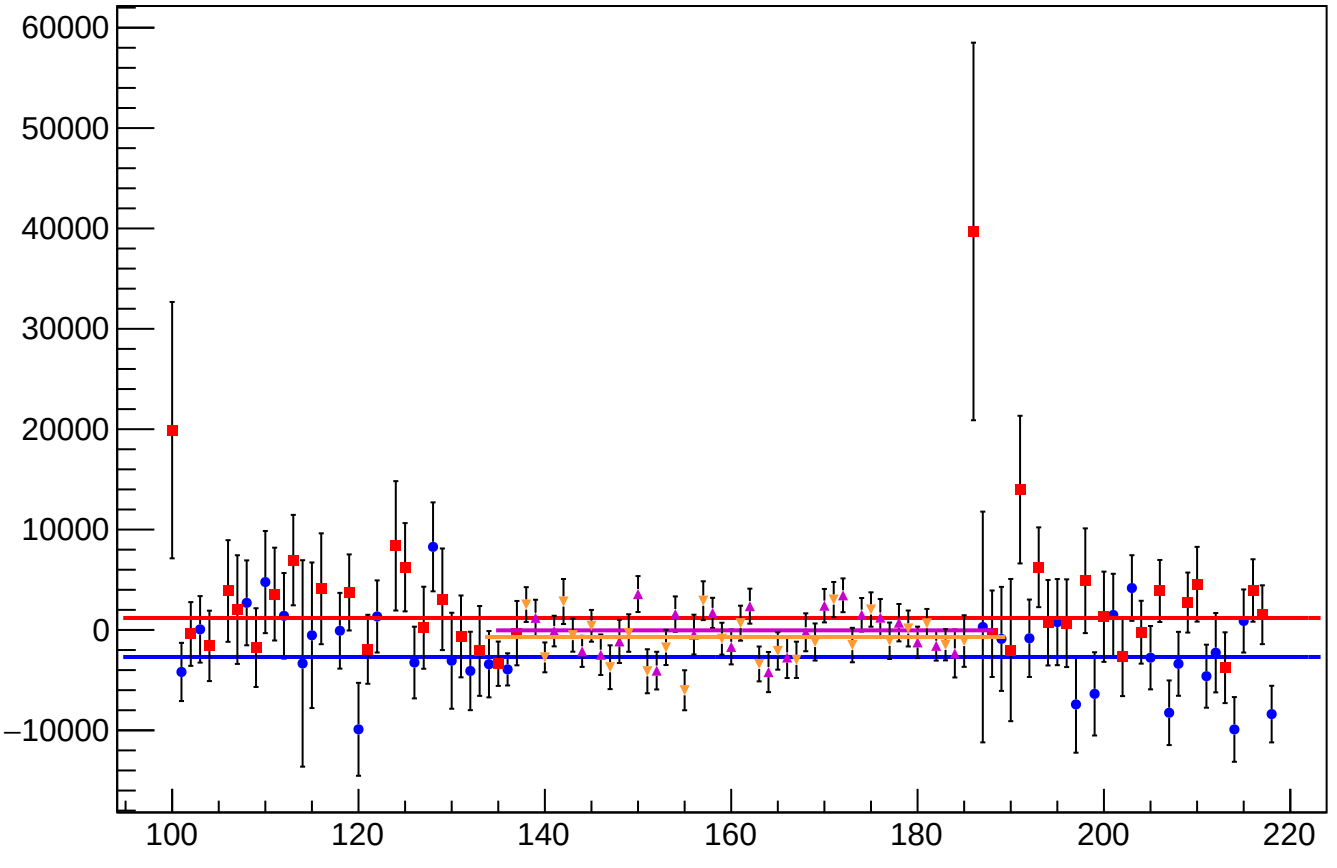
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 212.582+/-0.024 χ^2/NDF: 1065330.8/67

In: 213.916+/-0.024 χ^2/NDF:638682.3/54

Out: 215.079+/-0.024 χ^2/NDF:790428.8/60

All: 214.505+/-0.017 χ^2/NDF: 1430254.4/115



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: 1192.474+/-658.996 χ^2/NDF: 30.8/35

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

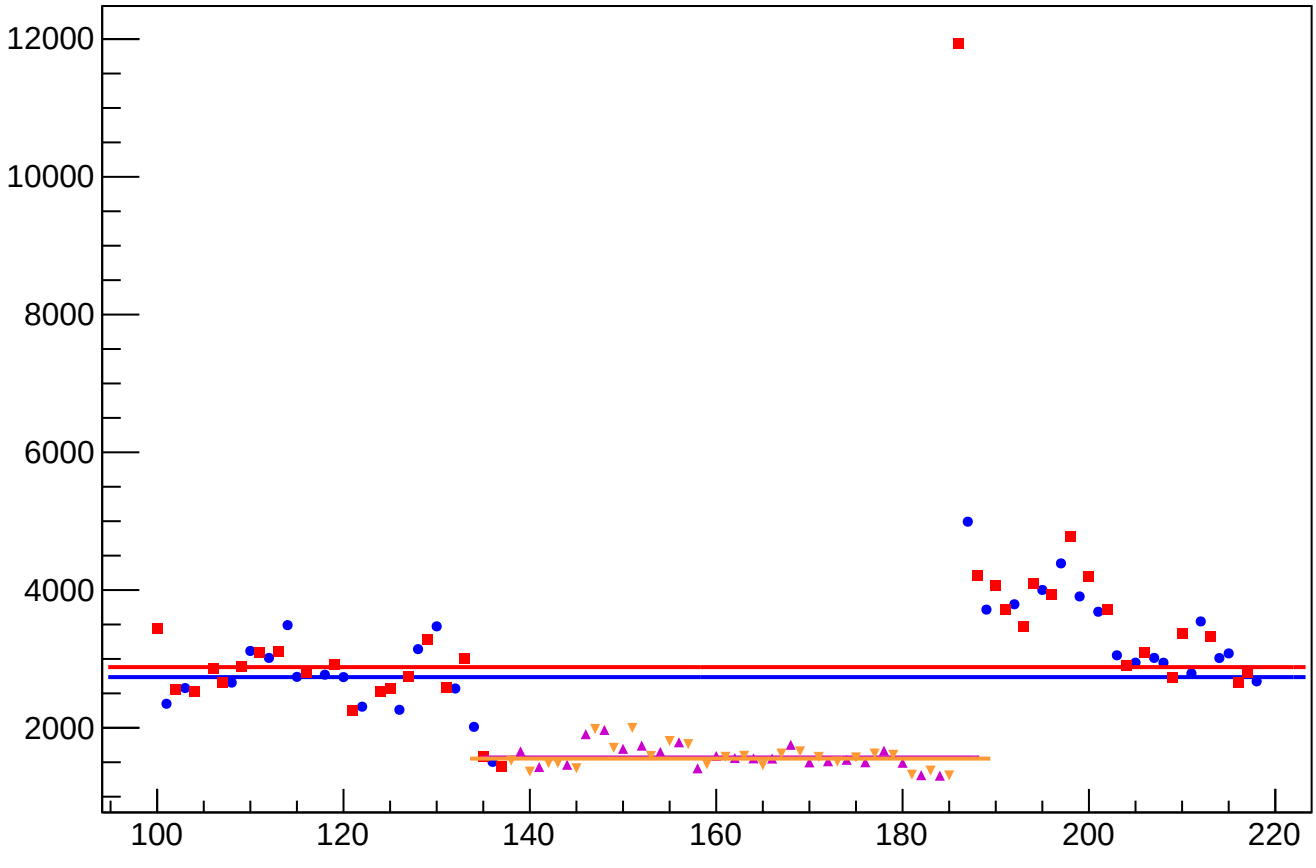
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

Right: -833.028+/-456.026 χ^2/NDF: 87.8/67

In: -714.653+/-318.542 χ^2/NDF:86.4/54

Out: -276.587+/-312.851 χ^2/NDF:74.8/60

All: -491.672+/-223.204 χ^2/NDF: 162.2/115



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: 2881.264+/-0.466 χ^2/NDF: 2945512.5/35

Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

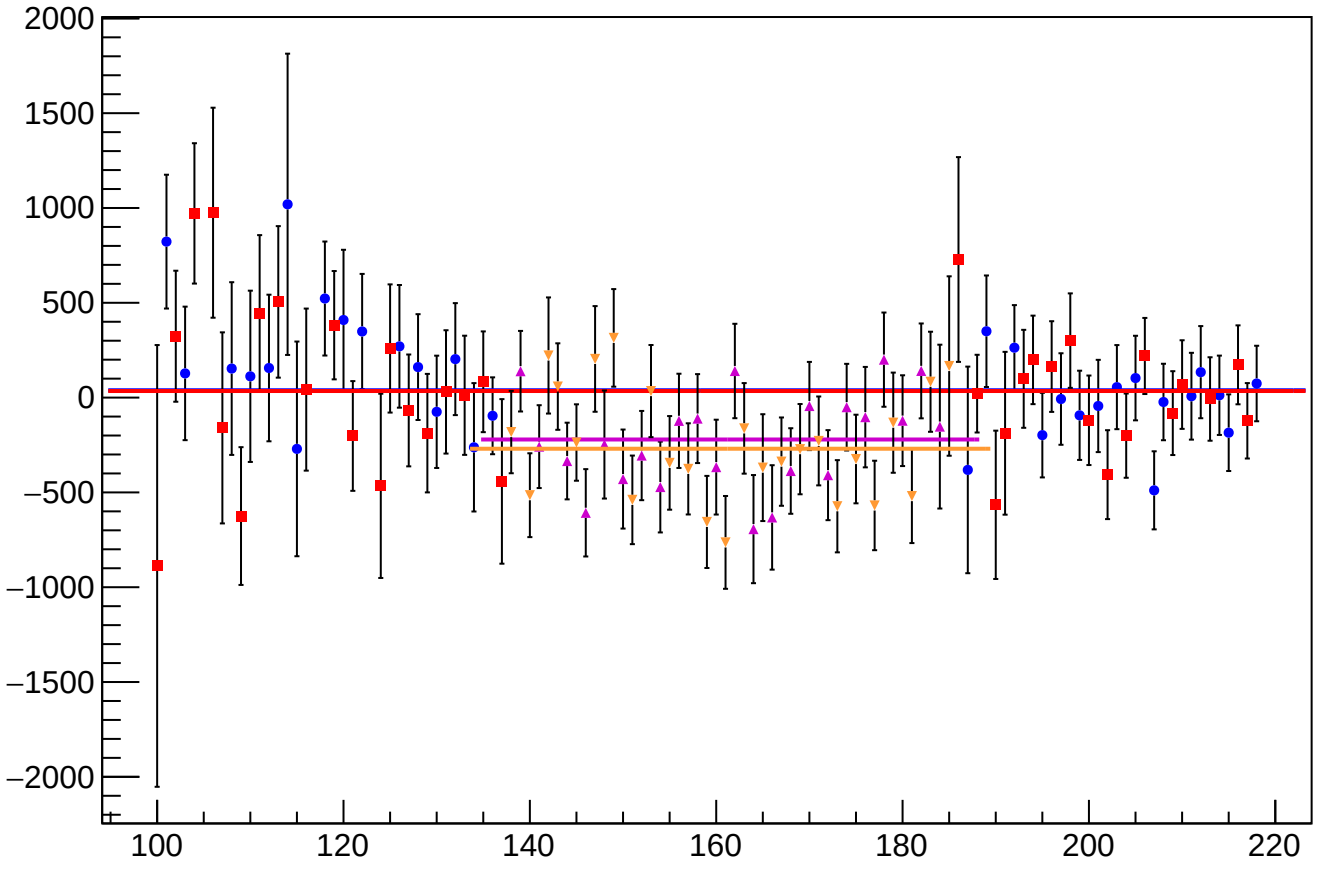
Left: 1560.898+/-0.181 χ^2/NDF: 769456.5/47

Right: 2805.576+/-0.322 χ^2/NDF: 5624054.0/67

In: 1866.031+/-0.225 χ^2/NDF:8072310.4/54

Out: 1852.376+/-0.221 χ^2/NDF:9649218.8/60

All: 1859.080+/-0.158 χ^2/NDF: 17723400.0/1



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: 34.731+/-47.569 χ^2/NDF: 35.5/35

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

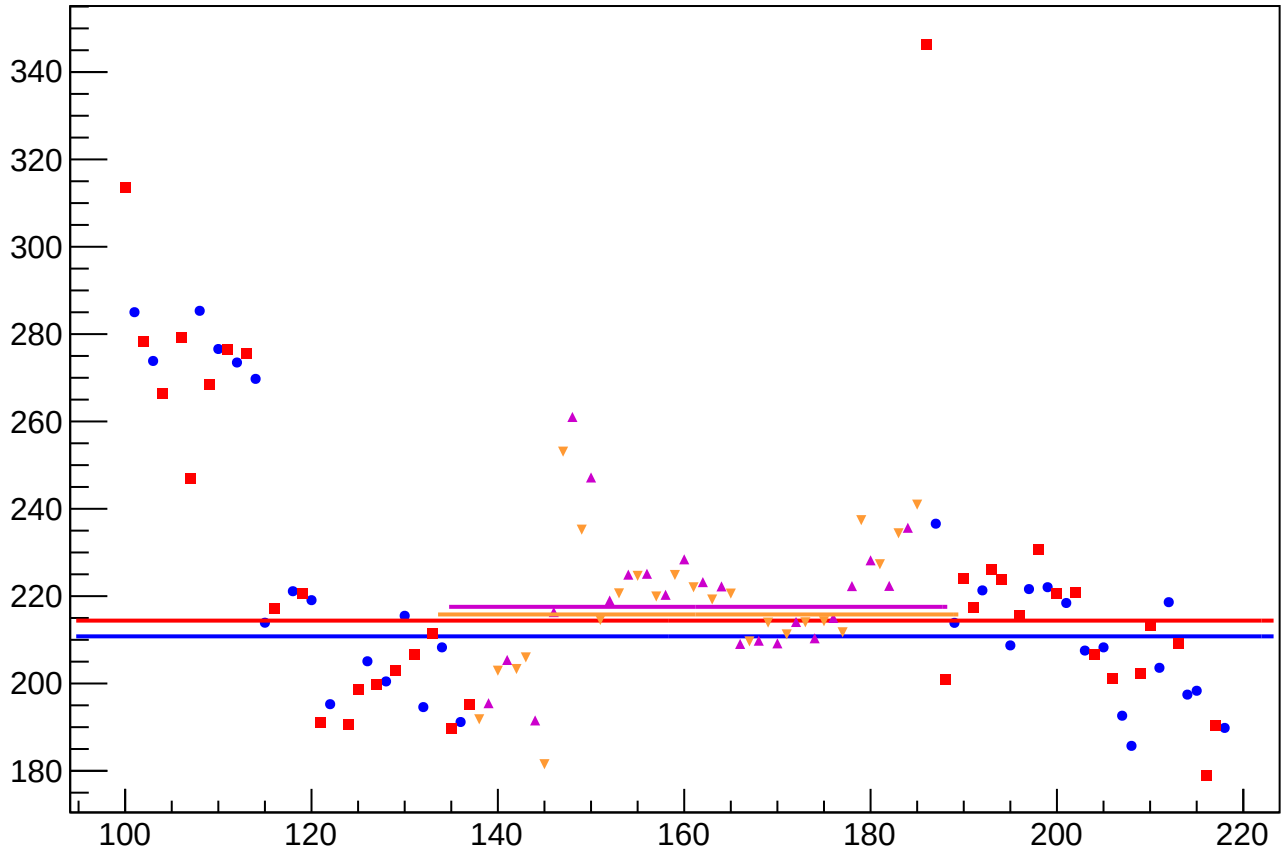
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 36.710+/-33.504 χ^2/NDF: 62.1/67

In: -81.211+/-34.626 χ^2/NDF:63.9/54

Out: -112.476+/-34.184 χ^2/NDF:86.8/60

All: -97.044+/-24.327 χ^2/NDF: 151.1/115



Right In: 210.793+/-0.033 χ^2/NDF: 458653.2/31

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 214.398+/-0.034 χ^2/NDF: 600859.5/35

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

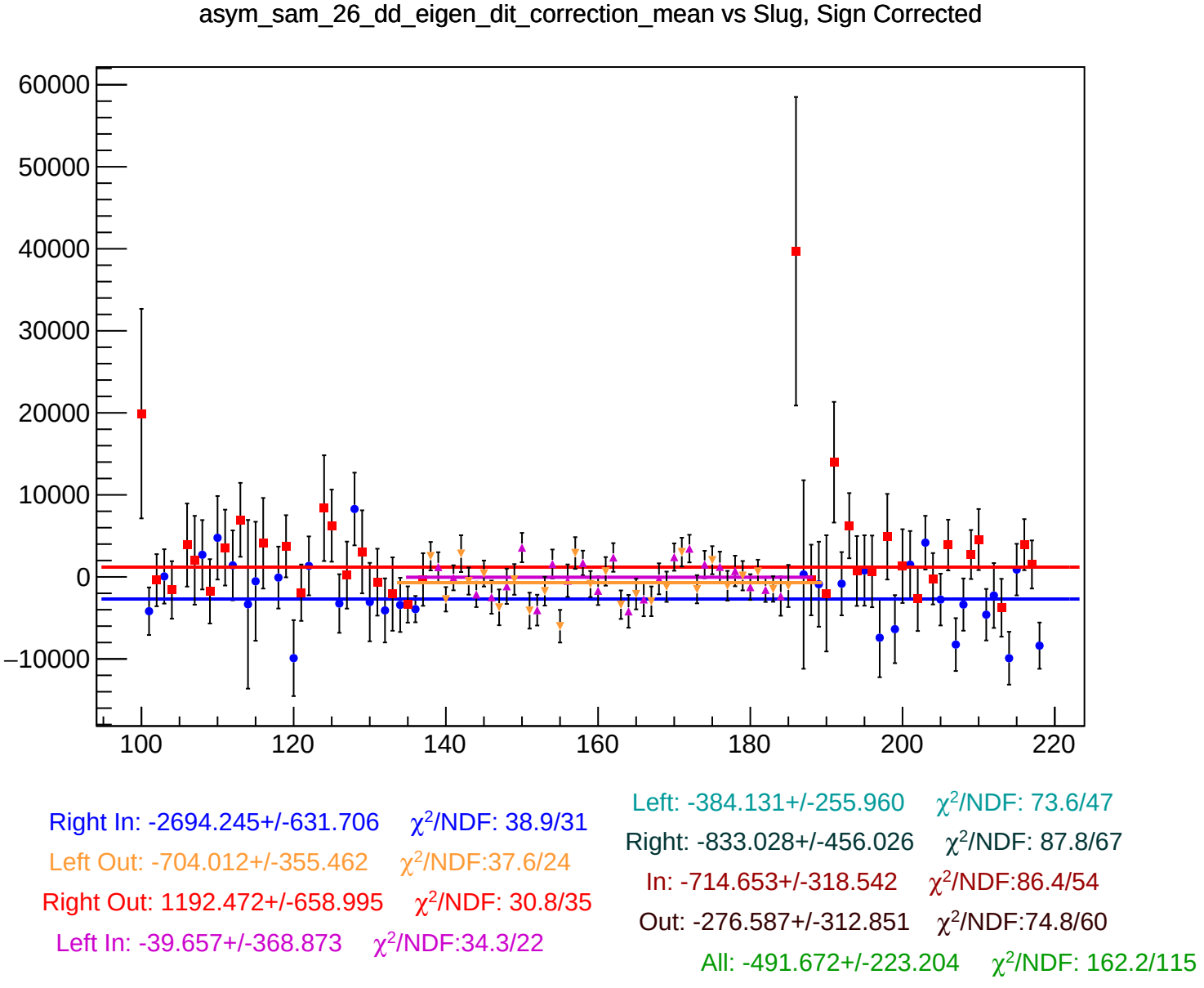
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

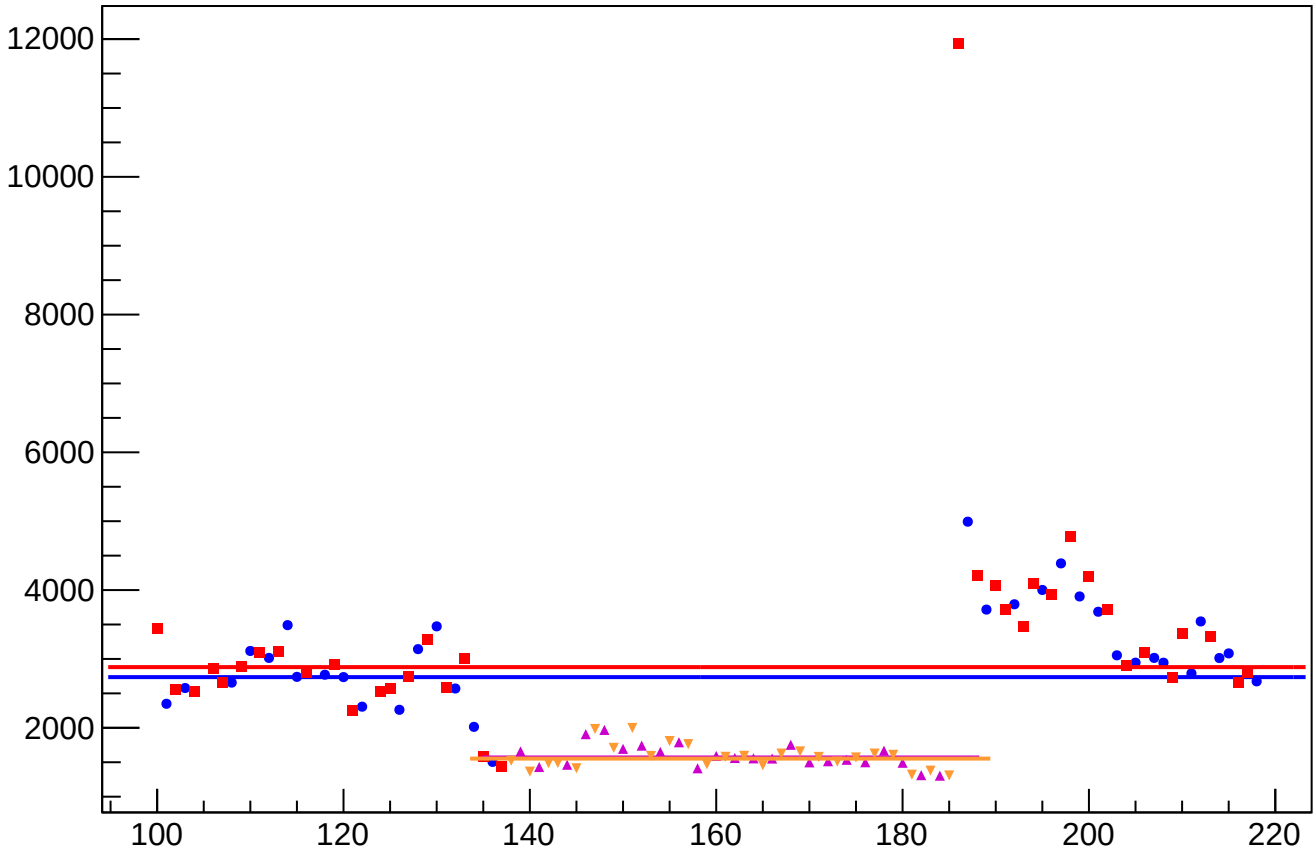
Right: 212.581+/-0.024 χ^2/NDF: 1065299.2/67

In: 213.915+/-0.024 χ^2/NDF:638675.6/54

Out: 215.079+/-0.024 χ^2/NDF:790411.4/60

All: 214.505+/-0.017 χ^2/NDF: 1430230.6/115


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: 1192.472+/-658.995 χ²/NDF: 30.8/35
Left In: -39.657+/-368.873 χ²/NDF:34.3/22
Left: -384.131+/-255.960 χ²/NDF: 73.6/47
Right: -833.028+/-456.026 χ²/NDF: 87.8/67
In: -714.653+/-318.542 χ²/NDF:86.4/54
Out: -276.587+/-312.851 χ²/NDF:74.8/60
All: -491.672+/-223.204 χ²/NDF: 162.2/115



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: 2881.262+/-0.466 χ^2/NDF: 2945514.7/35

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

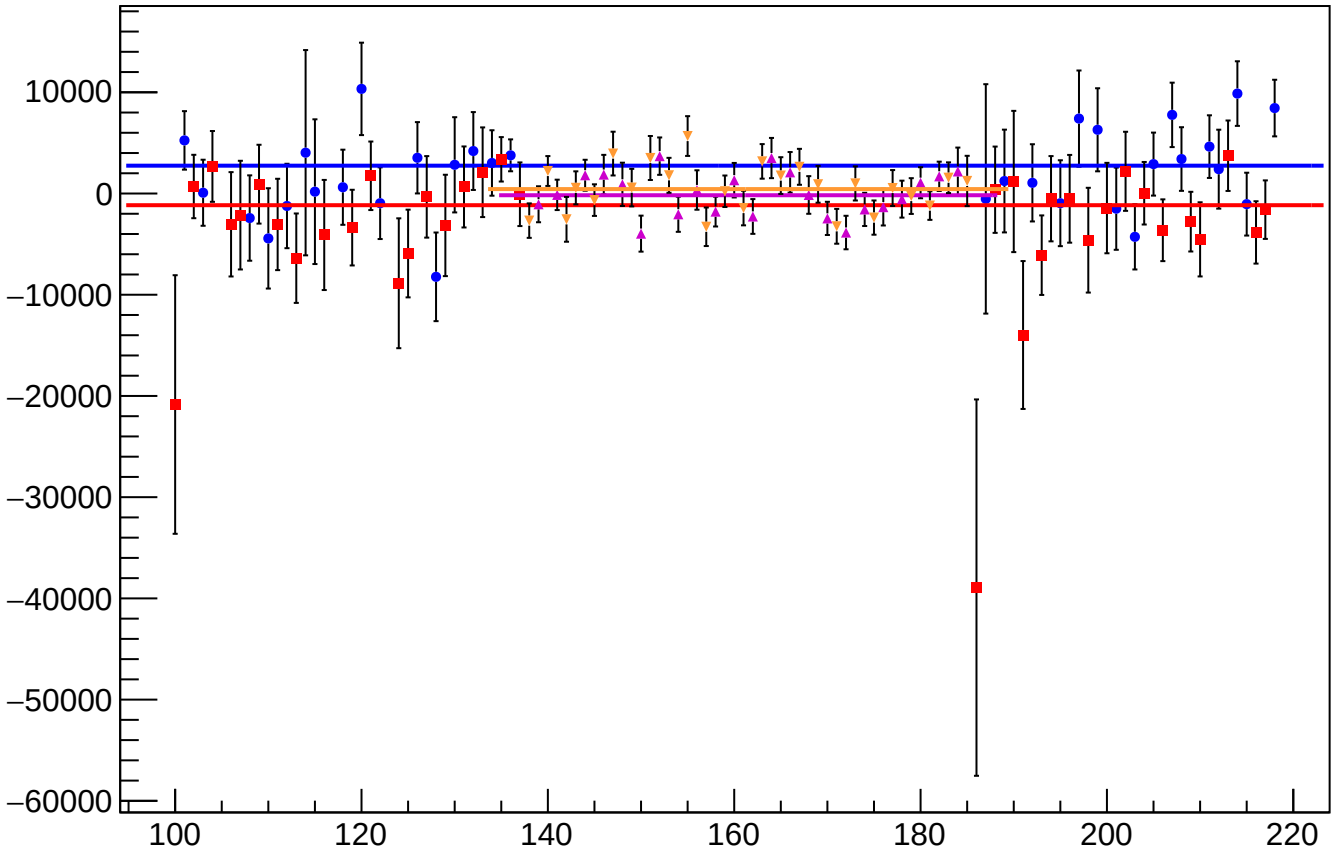
Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

Right: 2805.574+/-0.322 χ^2/NDF: 5624055.3/67

In: 1866.031+/-0.225 χ^2/NDF:8072299.2/54

Out: 1852.376+/-0.221 χ^2/NDF:9649206.0/60

All: 1859.080+/-0.158 χ^2/NDF: 17723375.8/1



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: -1154.185+/-651.395 χ^2/NDF: 30.3/35

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

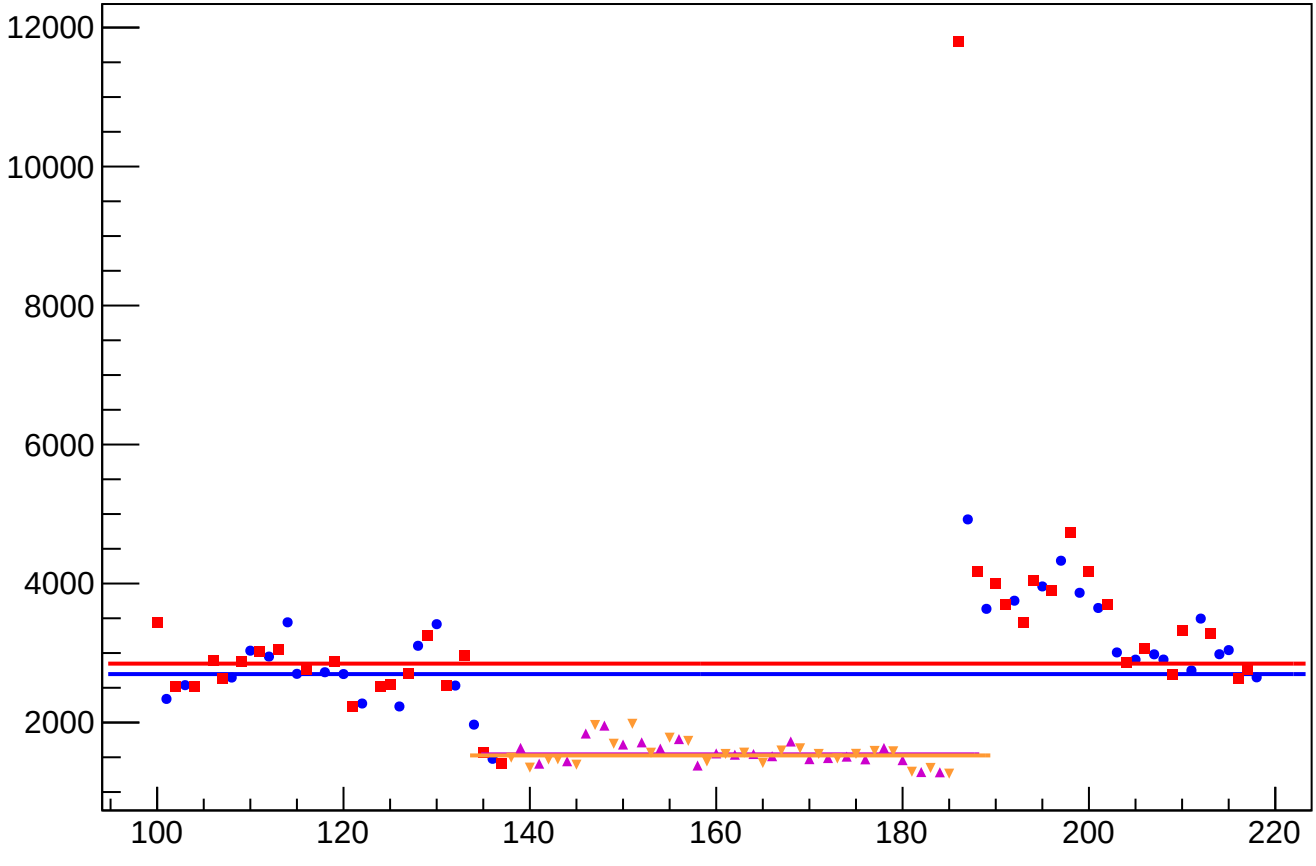
Right: 885.090+/-450.233 χ^2/NDF: 88.5/67

In: 568.951+/-313.353 χ^2/NDF:88.8/54

Out: 81.603+/-308.027 χ^2/NDF:73.8/60

All: 321.100+/-219.667 χ^2/NDF: 163.8/115

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: 2847.519+/-0.461 χ^2/NDF: 2952606.5/35

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

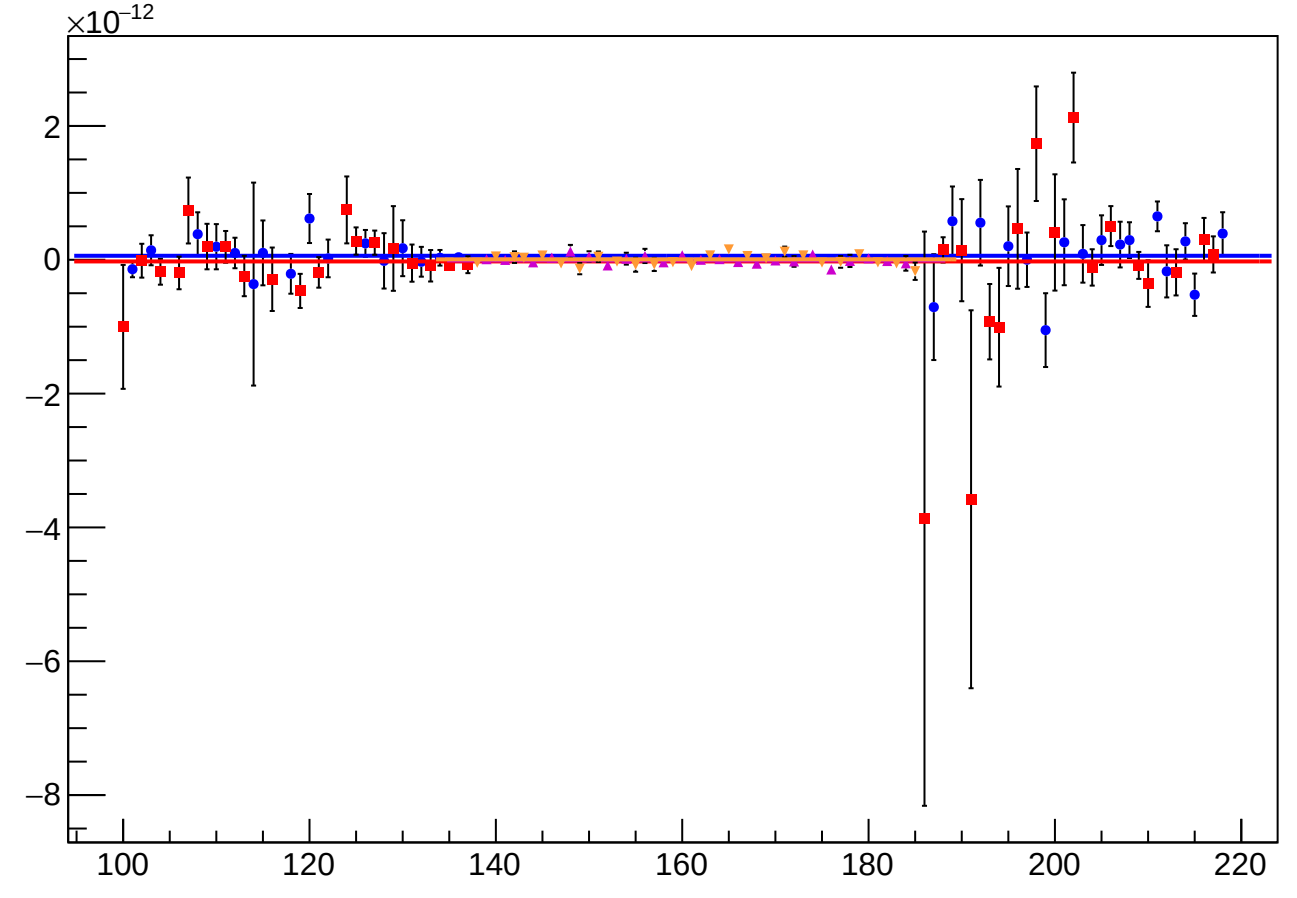
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2768.908+/-0.318 χ^2/NDF: 5662795.0/67

In: 1834.388+/-0.222 χ^2/NDF:8149428.6/54

Out: 1822.066+/-0.218 χ^2/NDF:9766055.6/60

All: 1828.122+/-0.155 χ^2/NDF: 17917057.1/1



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: 46.2/35

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

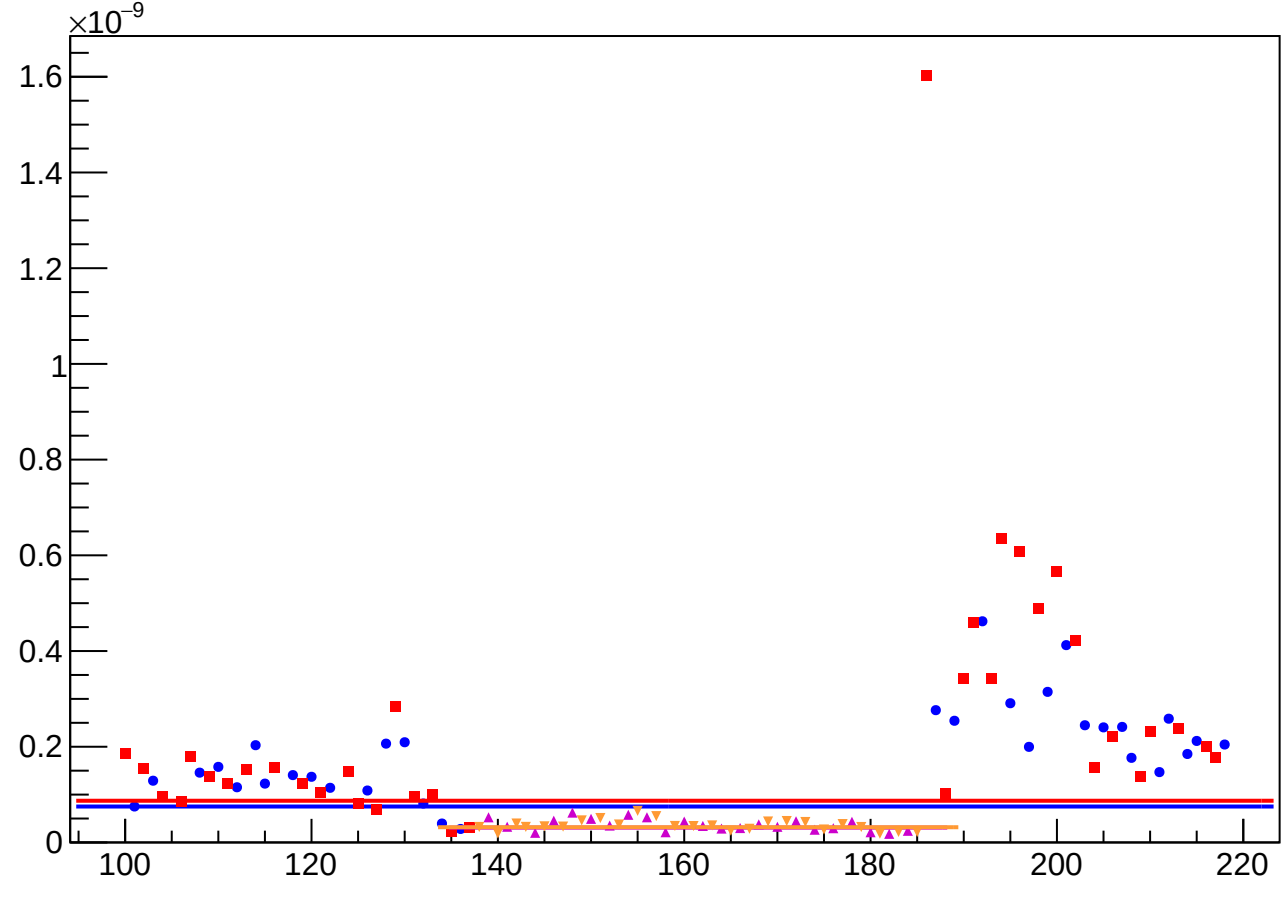
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 78.2/67

In: -0.000+/-0.000 χ^2/NDF:50.1/54

Out: 0.000+/-0.000 χ^2/NDF:77.5/60

All: 0.000+/-0.000 χ^2/NDF: 127.7/115



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: 8860931.1/35

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

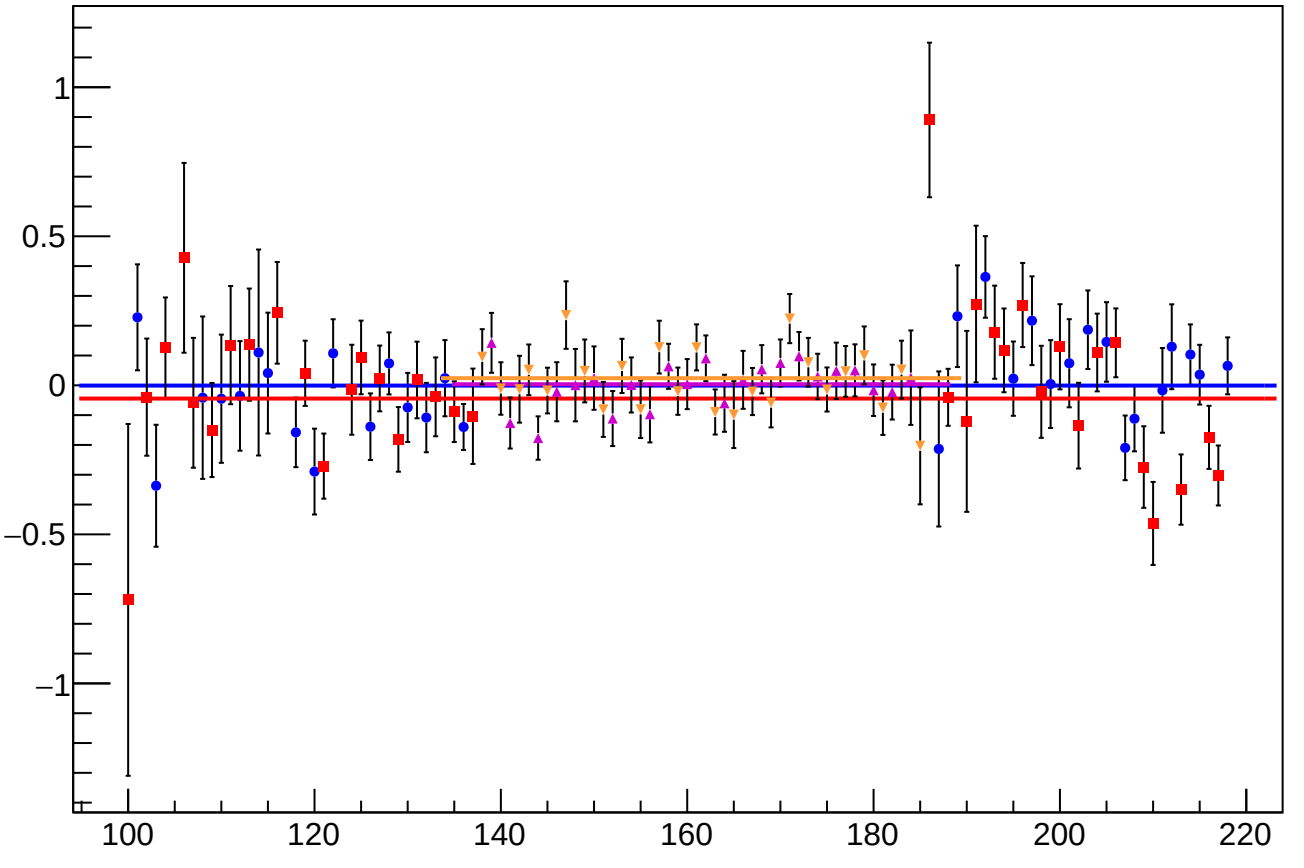
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 17919718.2/67

In: 0.000+/-0.000 χ^2/NDF:13525208.8/54

Out: 0.000+/-0.000 χ^2/NDF:13783815.9/60

All: 0.000+/-0.000 χ^2/NDF: 27309987.0/115



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: -0.044+/-0.023 χ^2/NDF: 73.7/35

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

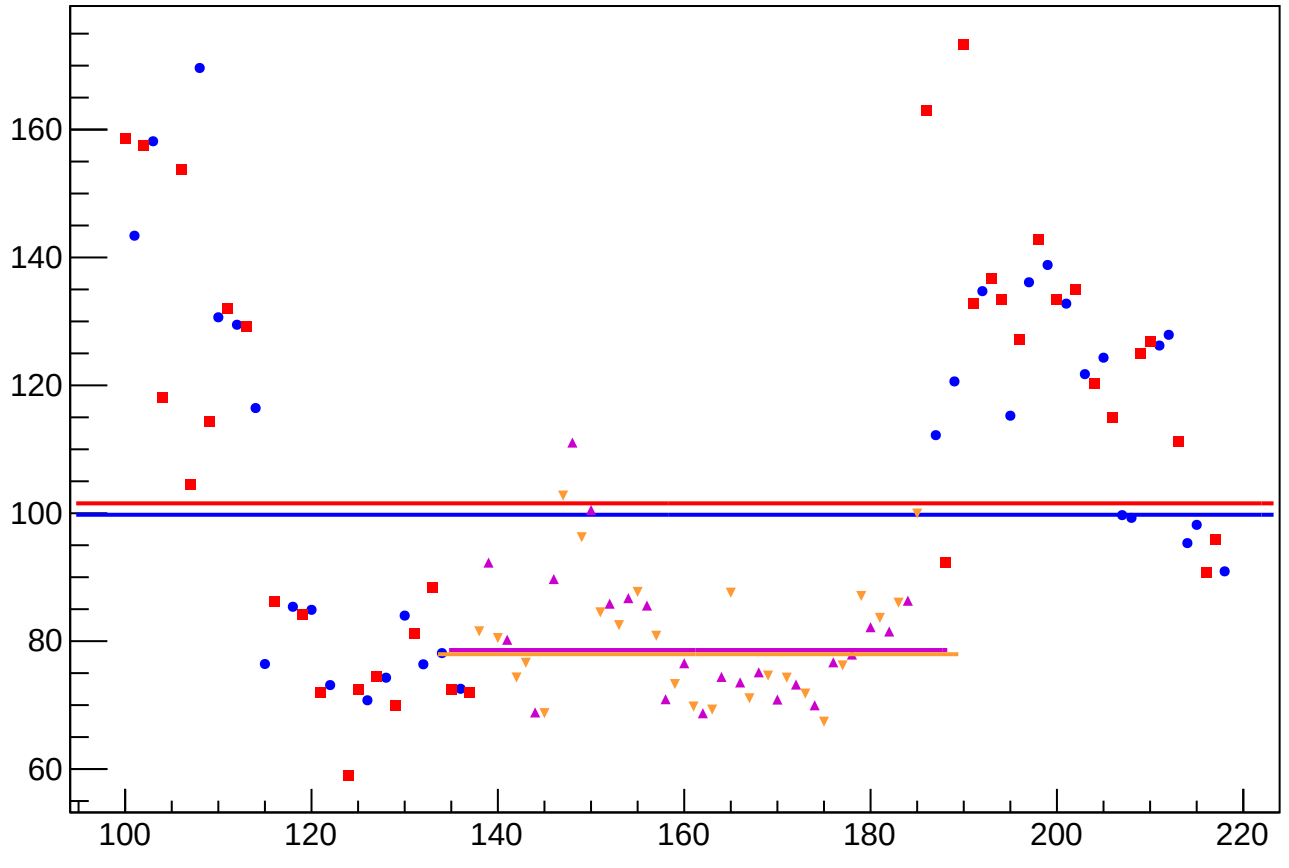
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.022+/-0.016 χ^2/NDF: 115.9/67

In: 0.002+/-0.014 χ^2/NDF:59.3/54

Out: -0.001+/-0.014 χ^2/NDF:104.7/60

All: 0.000+/-0.010 χ^2/NDF: 164.0/115



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: 101.549+/-0.016 χ^2/NDF: 2557958.2/35

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

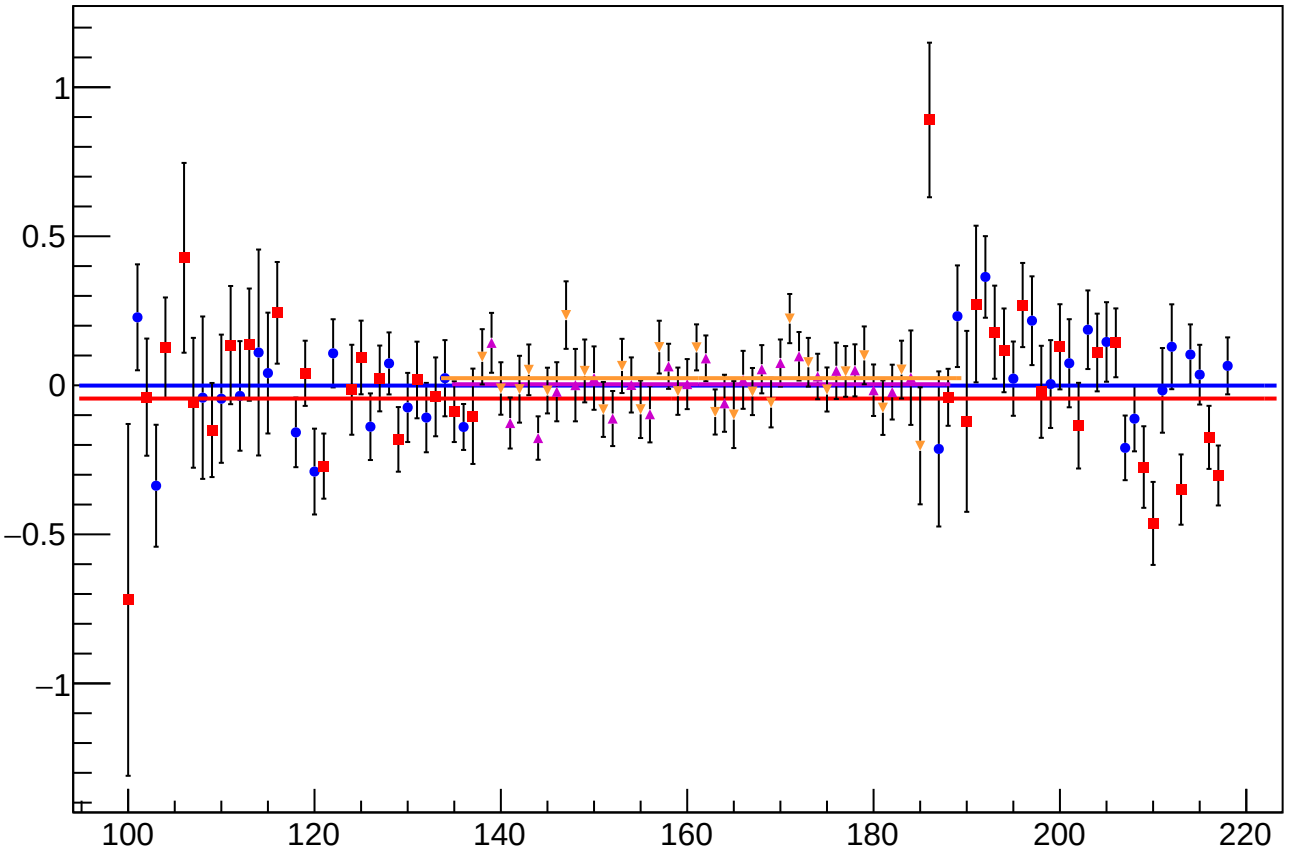
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 100.647+/-0.012 χ^2/NDF: 4791351.4/67

In: 86.966+/-0.010 χ^2/NDF:3750186.0/54

Out: 86.711+/-0.010 χ^2/NDF:4293131.6/60

All: 86.836+/-0.007 χ^2/NDF: 8043635.2/115



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: -0.044+/-0.023 χ^2/NDF: 73.7/35

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

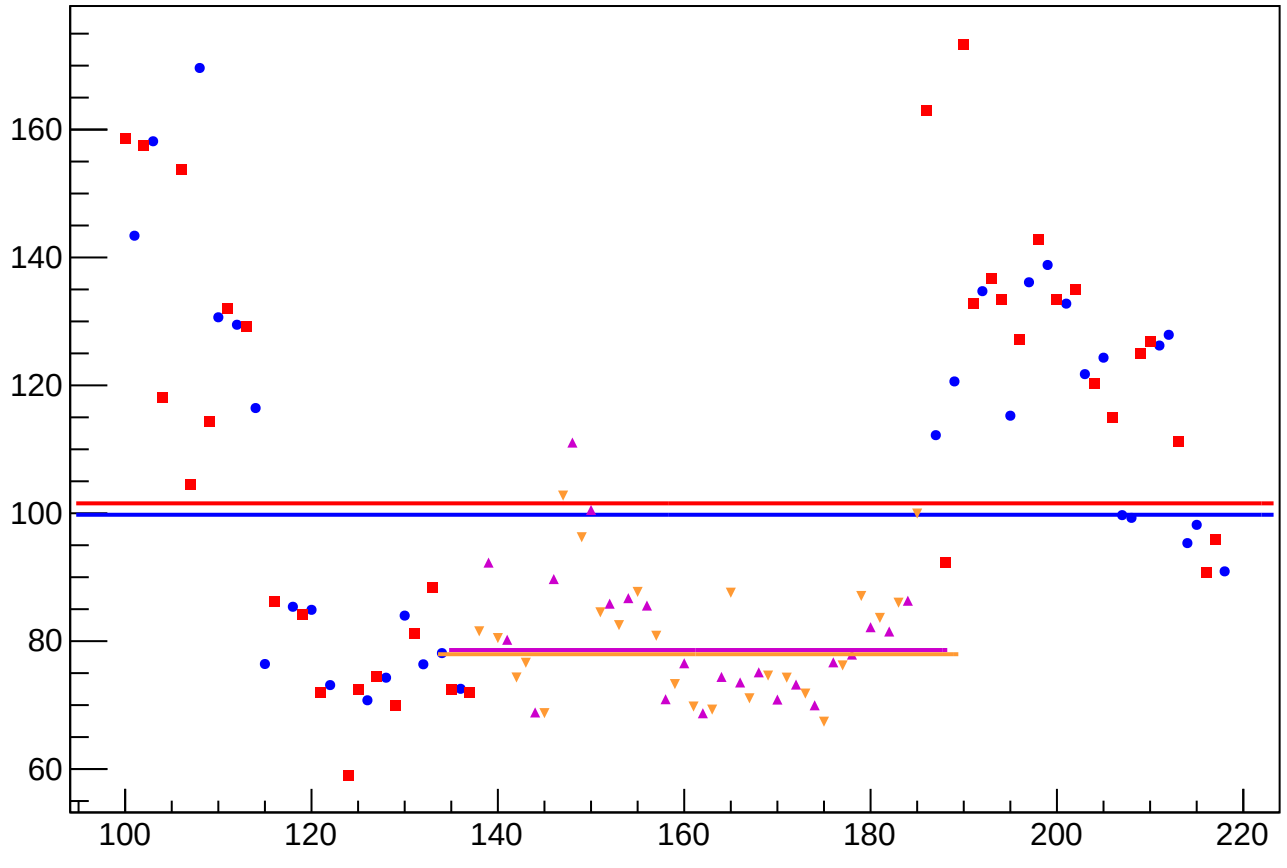
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.022+/-0.016 χ^2/NDF: 115.9/67

In: 0.002+/-0.014 χ^2/NDF:59.3/54

Out: -0.001+/-0.014 χ^2/NDF:104.7/60

All: 0.000+/-0.010 χ^2/NDF: 164.0/115



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: 101.549+/-0.016 χ^2/NDF: 2557958.2/35

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

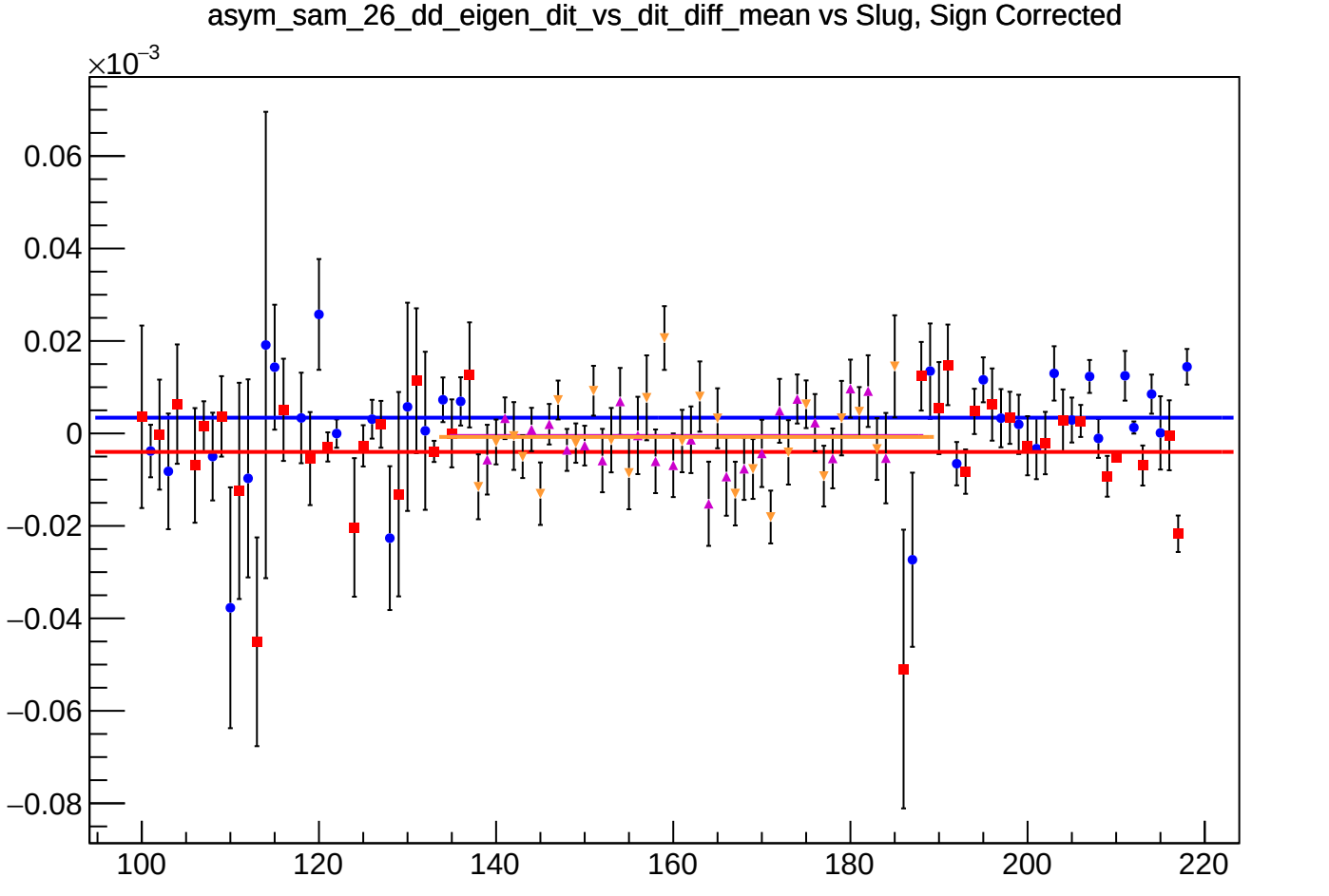
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 100.647+/-0.012 χ^2/NDF: 4791351.4/67

In: 86.966+/-0.010 χ^2/NDF:3750186.0/54

Out: 86.711+/-0.010 χ^2/NDF:4293131.6/60

All: 86.836+/-0.007 χ^2/NDF: 8043635.2/115



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: 62.3/35

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

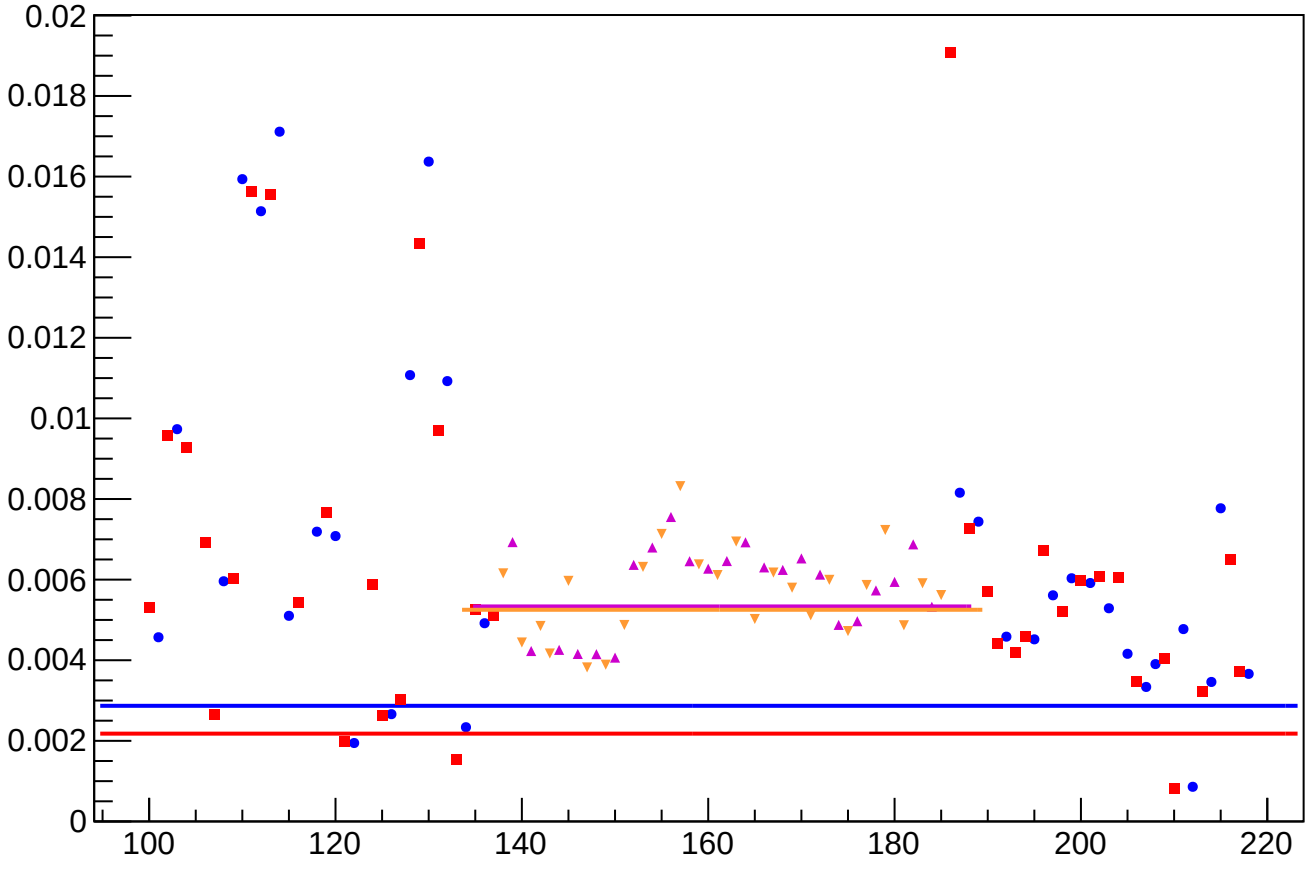
Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

Right: -0.000+/-0.000 χ^2/NDF: 163.5/67

In: 0.000+/-0.000 χ^2/NDF:78.3/54

Out: -0.000+/-0.000 χ^2/NDF:115.3/60

All: -0.000+/-0.000 χ^2/NDF: 229.9/115



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: 18409168.0/35

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

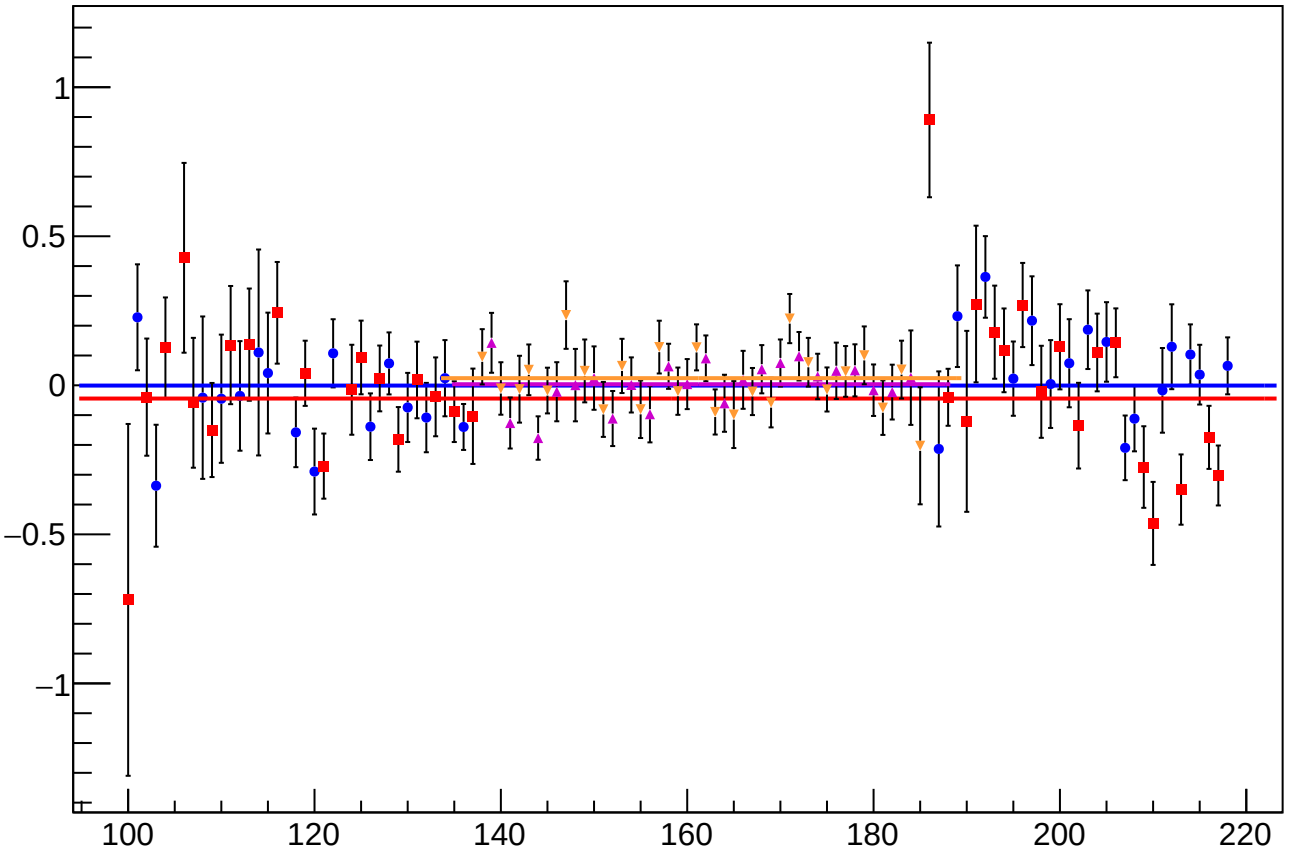
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.002+/-0.000 χ^2/NDF: 33315450.2/67

In: 0.004+/-0.000 χ^2/NDF:20805634.7/54

Out: 0.003+/-0.000 χ^2/NDF:29605060.9/60

All: 0.003+/-0.000 χ^2/NDF: 51600034.9/115



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: -0.044+/-0.023 χ^2/NDF: 73.7/35

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

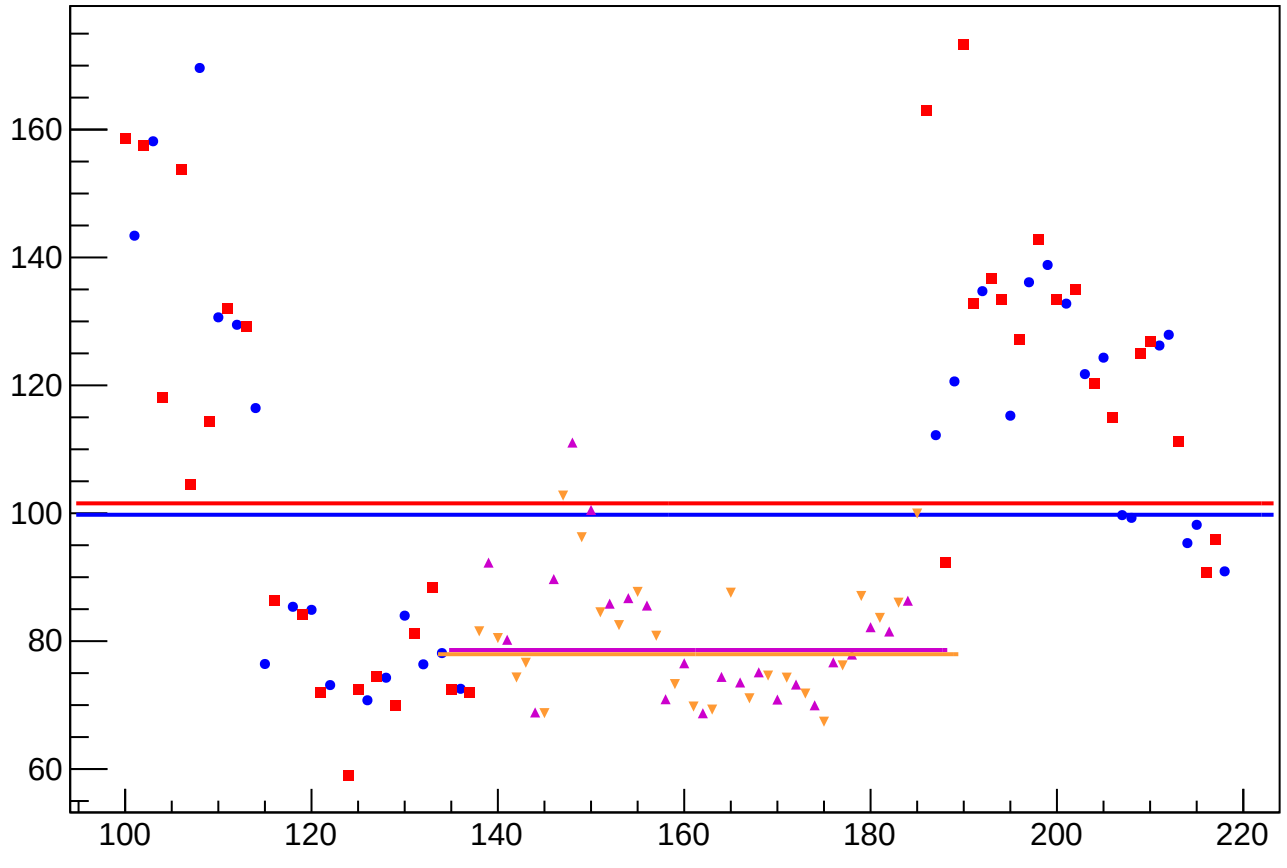
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.022+/-0.016 χ^2/NDF: 115.9/67

In: 0.002+/-0.014 χ^2/NDF:59.3/54

Out: -0.001+/-0.014 χ^2/NDF:104.7/60

All: 0.000+/-0.010 χ^2/NDF: 164.0/115



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: 101.548+/-0.016 χ^2/NDF: 2558068.6/35

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

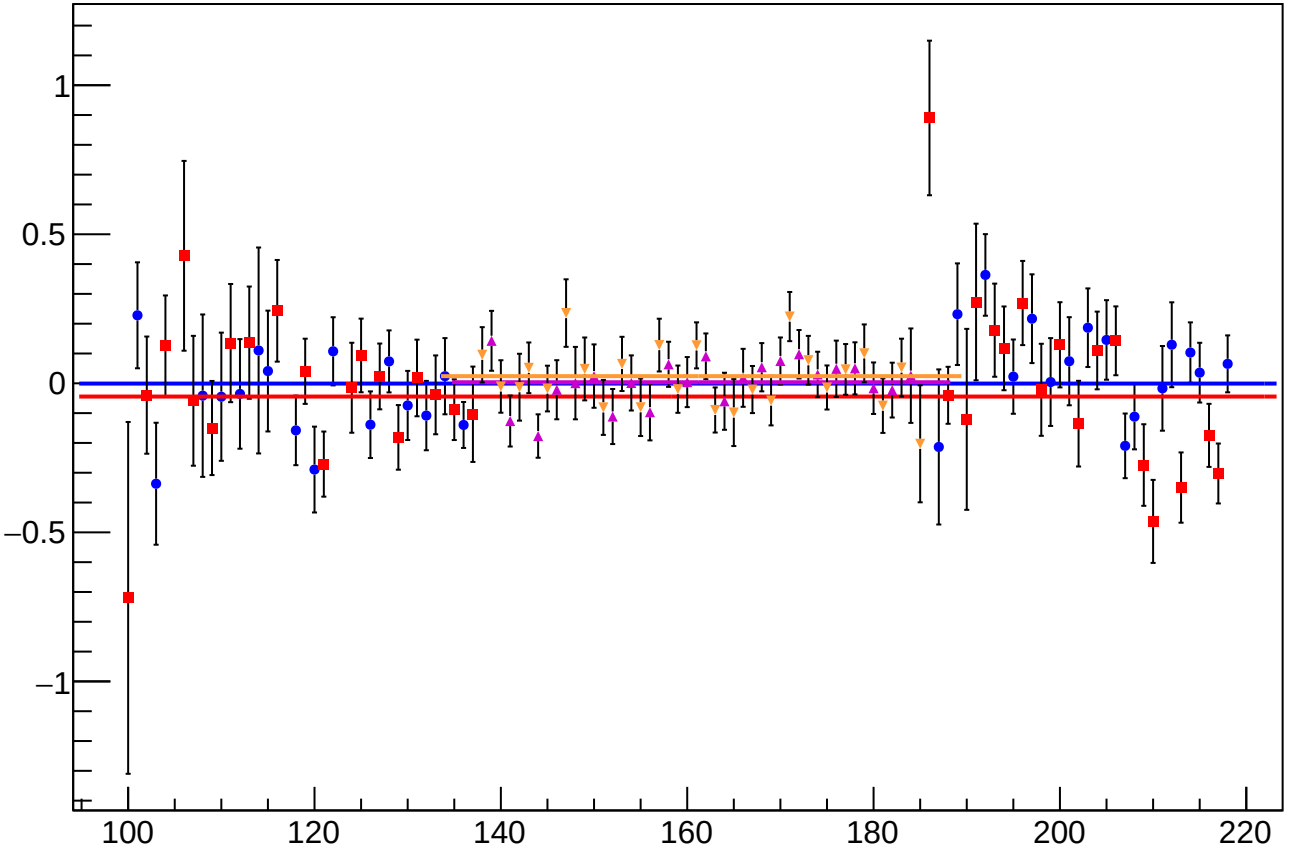
Right: 100.645+/-0.012 χ^2/NDF: 4791598.2/67

In: 86.965+/-0.010 χ^2/NDF:3750288.0/54

Out: 86.710+/-0.010 χ^2/NDF:4293188.0/60

All: 86.835+/-0.007 χ^2/NDF: 8043792.9/115

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.044+/-0.023 χ^2/NDF: 73.7/35

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

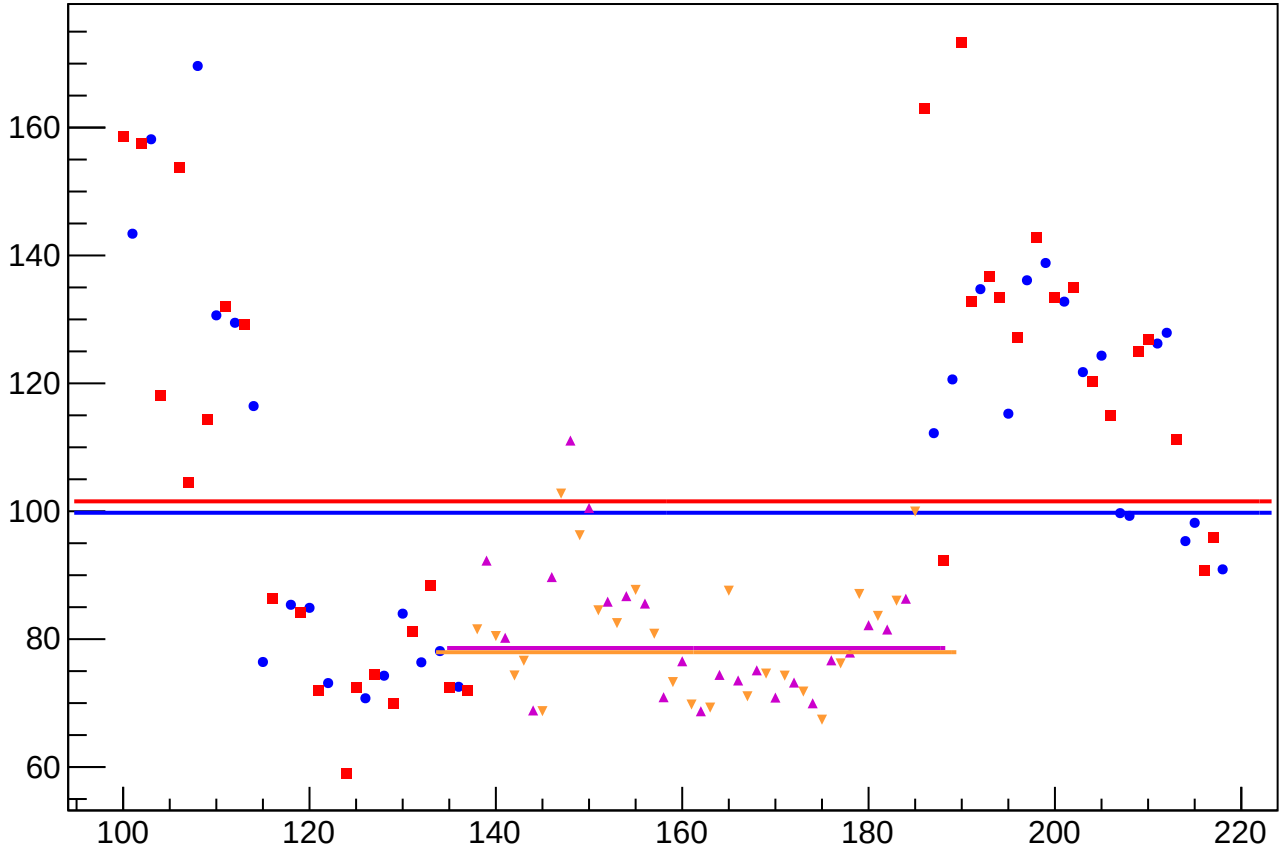
Right: -0.022+/-0.016 χ^2/NDF: 115.9/67

In: 0.002+/-0.014 χ^2/NDF:59.3/54

Out: -0.001+/-0.014 χ^2/NDF:104.7/60

All: 0.000+/-0.010 χ^2/NDF: 164.0/115

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 101.548+/-0.016 χ^2/NDF: 2558068.6/35

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

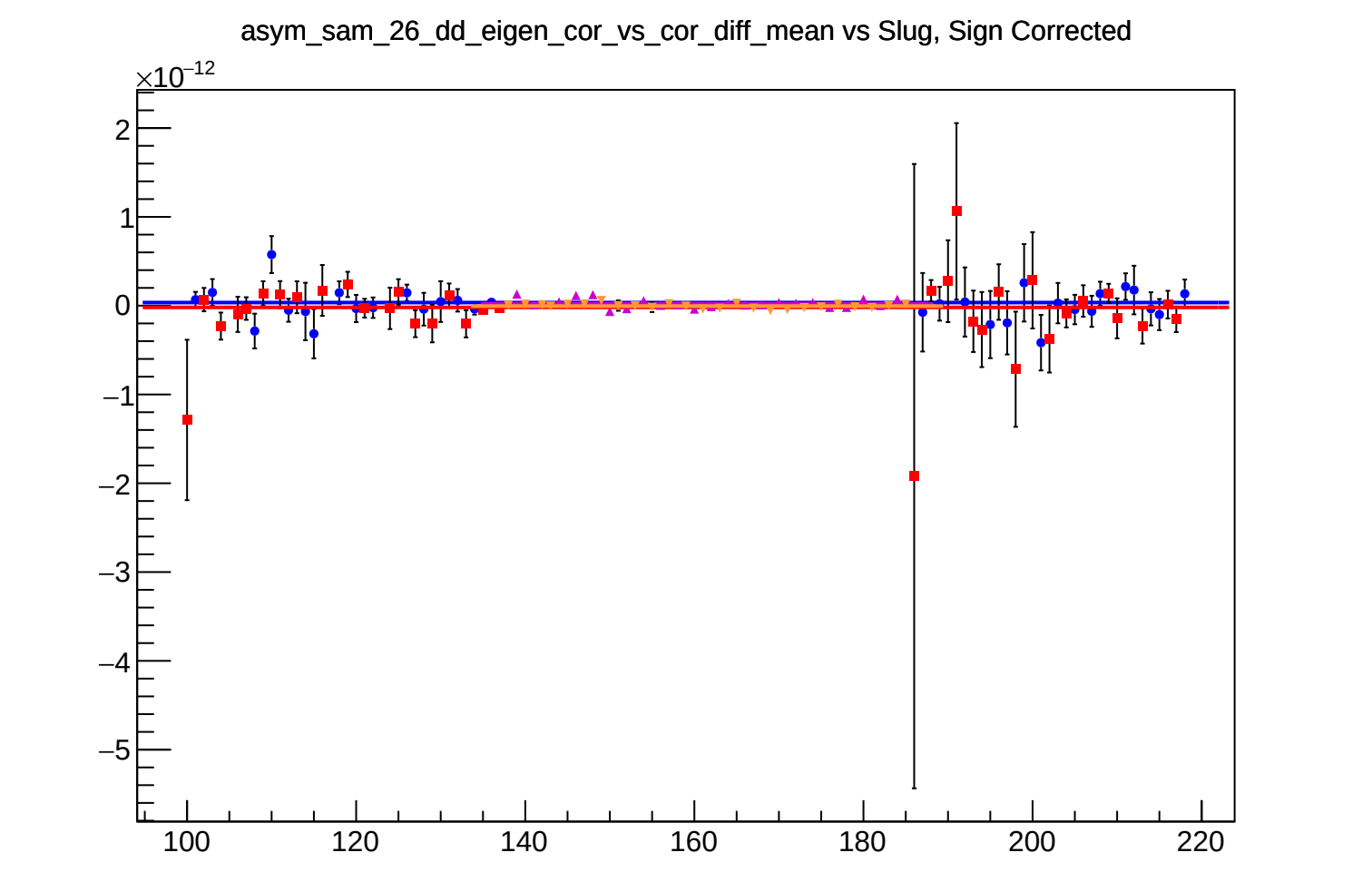
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 100.645+/-0.012 χ^2/NDF: 4791598.2/67

In: 86.965+/-0.010 χ^2/NDF:3750288.0/54

Out: 86.710+/-0.010 χ^2/NDF:4293188.0/60

All: 86.835+/-0.007 χ^2/NDF: 8043792.9/115



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: 30.2/35

Left In: 0.000+/-0.000 χ^2/NDF:40.1/22

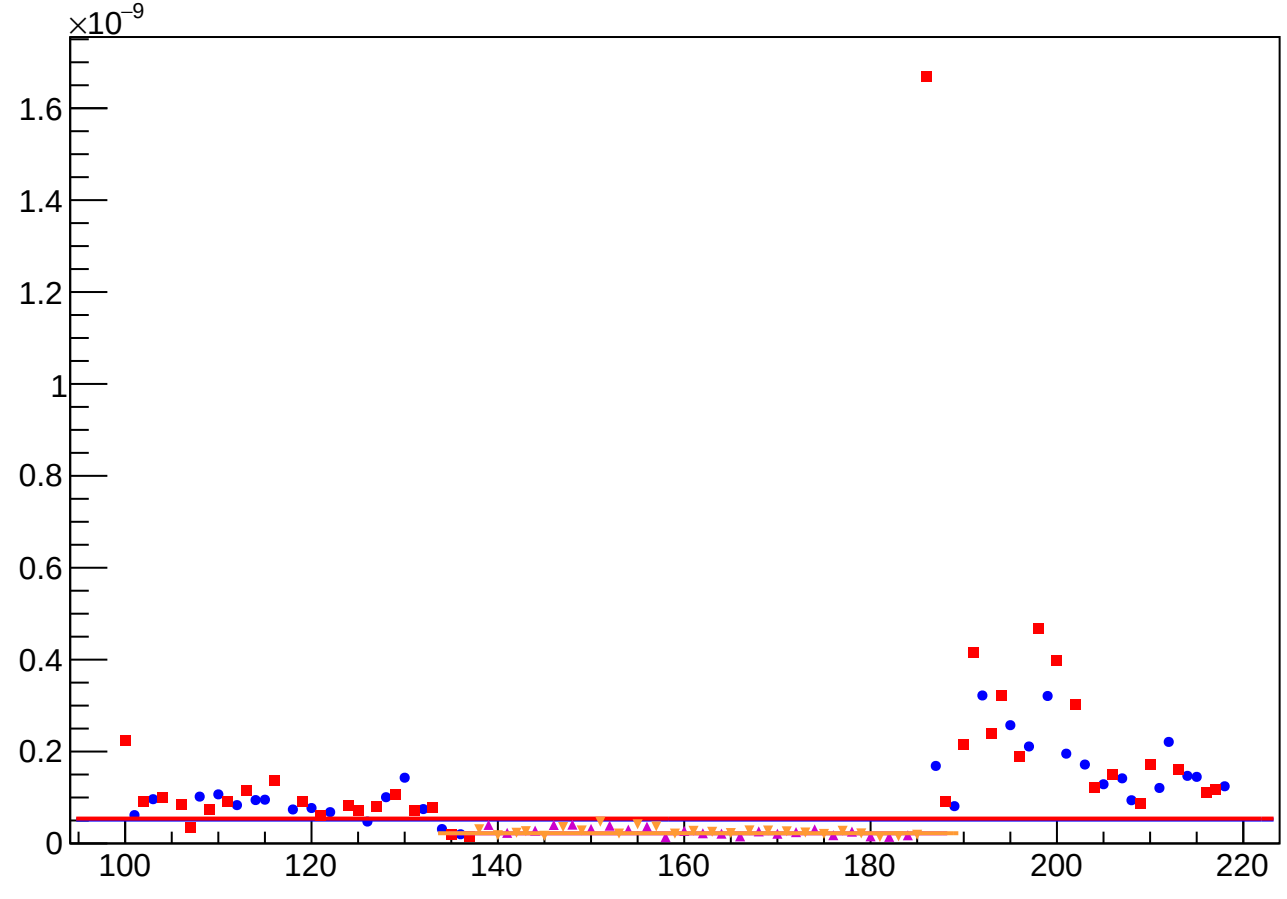
Left: 0.000+/-0.000 χ^2/NDF: 61.2/47

Right: 0.000+/-0.000 χ^2/NDF: 57.6/67

In: 0.000+/-0.000 χ^2/NDF:64.1/54

Out: -0.000+/-0.000 χ^2/NDF:43.8/60

All: 0.000+/-0.000 χ^2/NDF: 118.9/115



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: 13381984.6/35

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

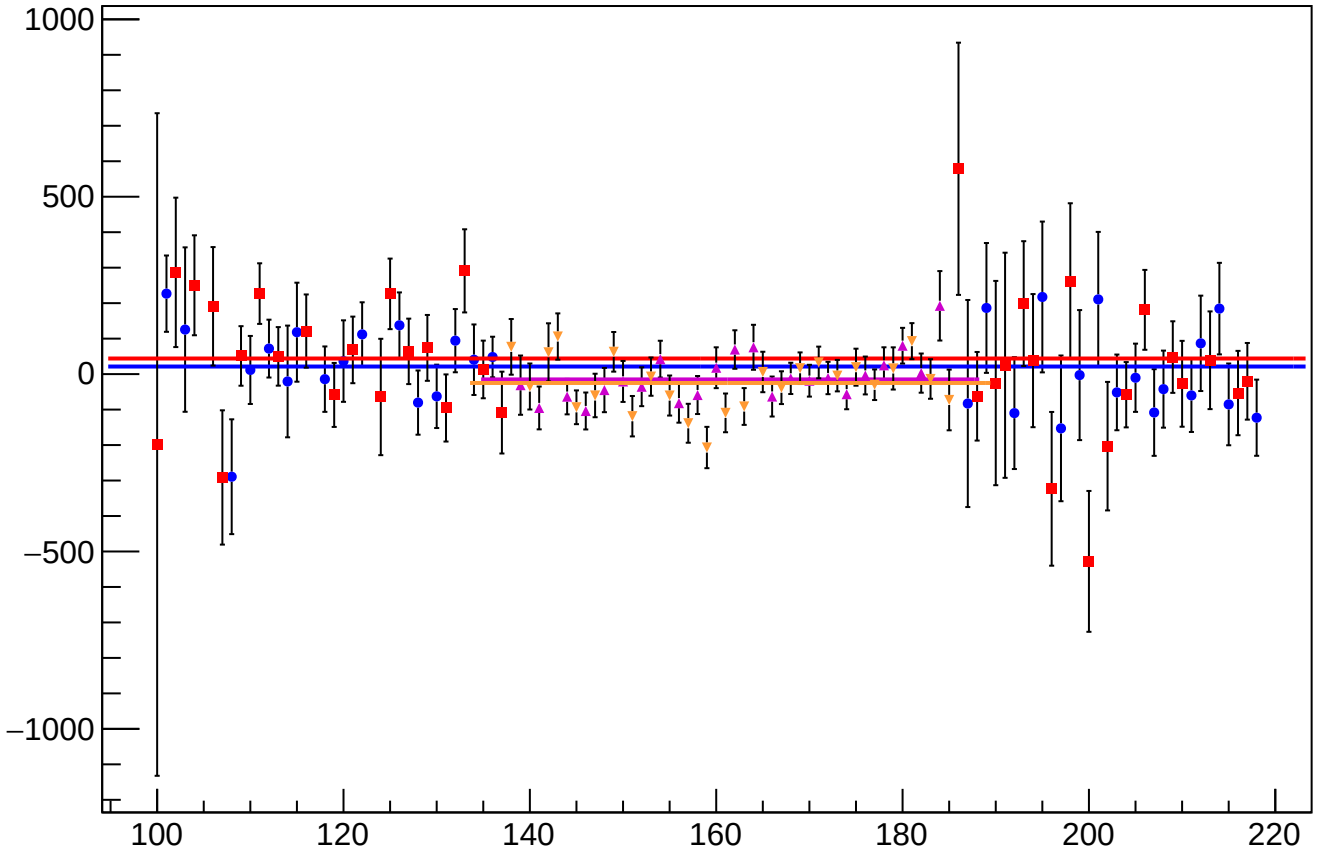
Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

Right: 0.000+/-0.000 χ^2/NDF: 25485609.5/67

In: 0.000+/-0.000 χ^2/NDF:19272596.6/54

Out: 0.000+/-0.000 χ^2/NDF:20222607.7/60

All: 0.000+/-0.000 χ^2/NDF: 39495288.4/115



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: 43.946+/-19.990 χ^2/NDF: 48.4/35

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

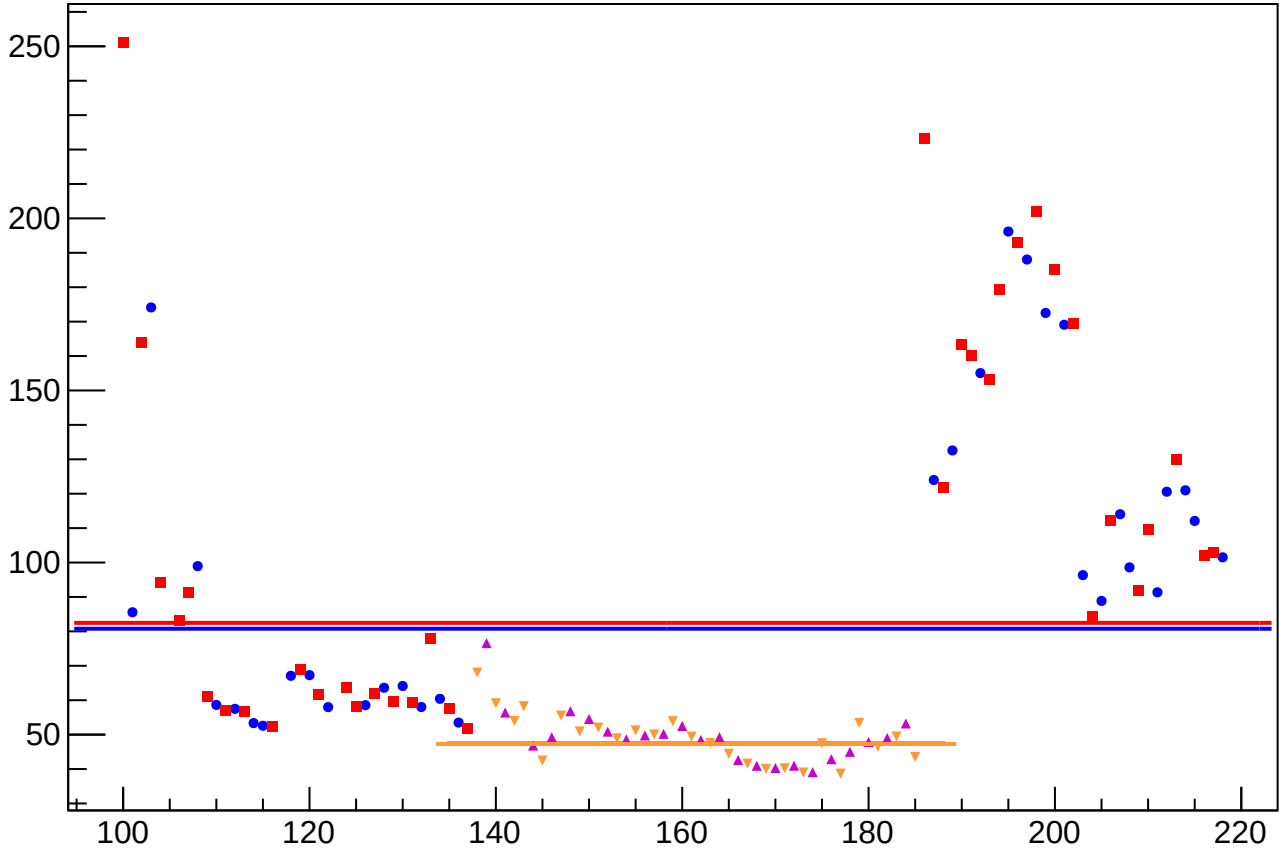
Right: 32.417+/-13.984 χ^2/NDF: 74.7/67

In: -6.001+/-9.732 χ^2/NDF:53.0/54

Out: -9.217+/-9.561 χ^2/NDF:100.6/60

All: -7.638+/-6.821 χ^2/NDF: 153.7/115

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: 82.474+/-0.014 χ^2/NDF: 6392025.6/35

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

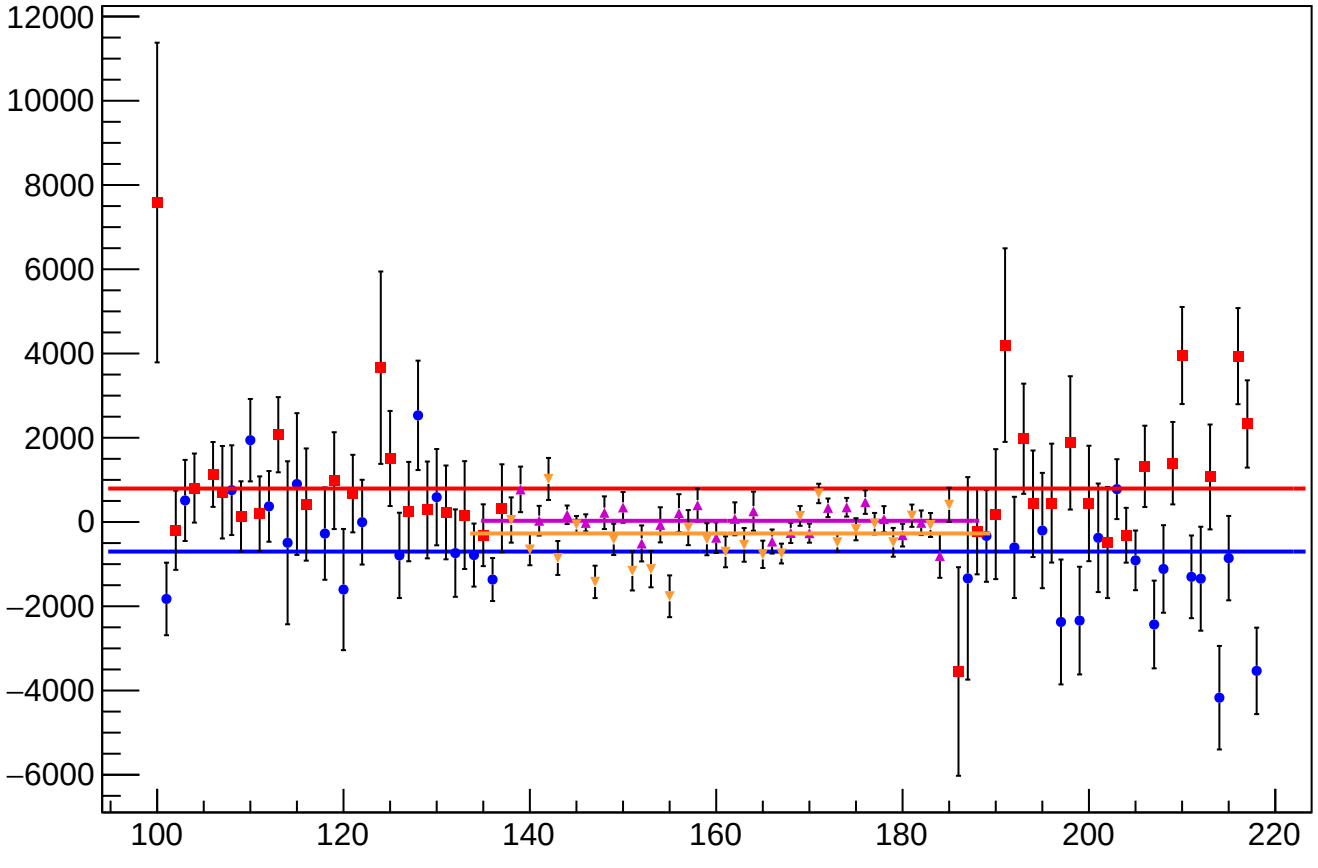
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 81.605+/-0.010 χ^2/NDF: 11877357.2/67

In: 55.672+/-0.007 χ^2/NDF:10504490.7/54

Out: 55.335+/-0.007 χ^2/NDF:11889384.9/60

All: 55.500+/-0.005 χ^2/NDF: 22395101.5/115



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: 794.839+/-180.032 χ^2/NDF: 42.9/35

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

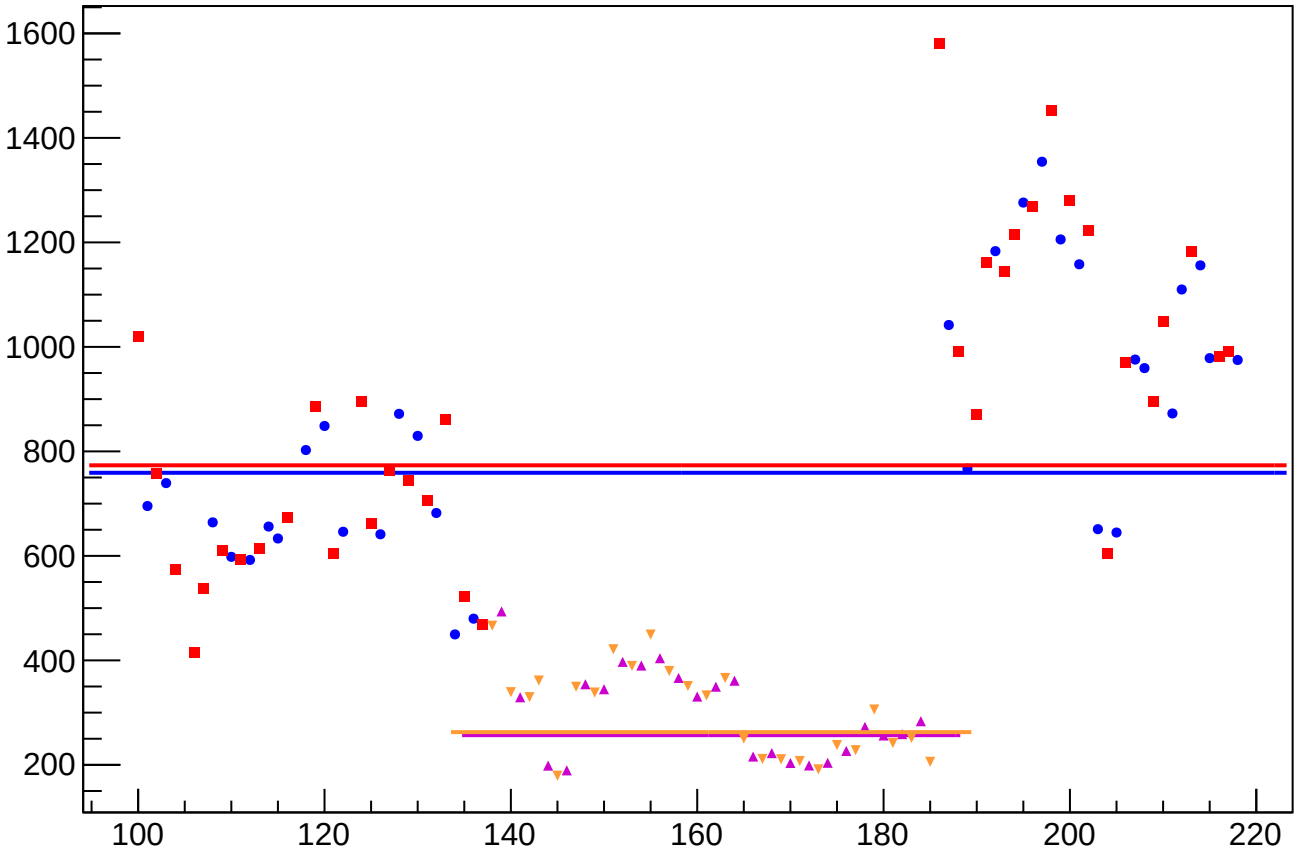
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 37.487+/-126.520 χ^2/NDF: 130.0/67

In: -51.522+/-59.108 χ^2/NDF:91.6/54

Out: -156.893+/-58.913 χ^2/NDF:148.1/60

All: -104.381+/-41.727 χ^2/NDF: 241.3/115



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: 773.352+/-0.127 χ^2/NDF: 4052044.4/35

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

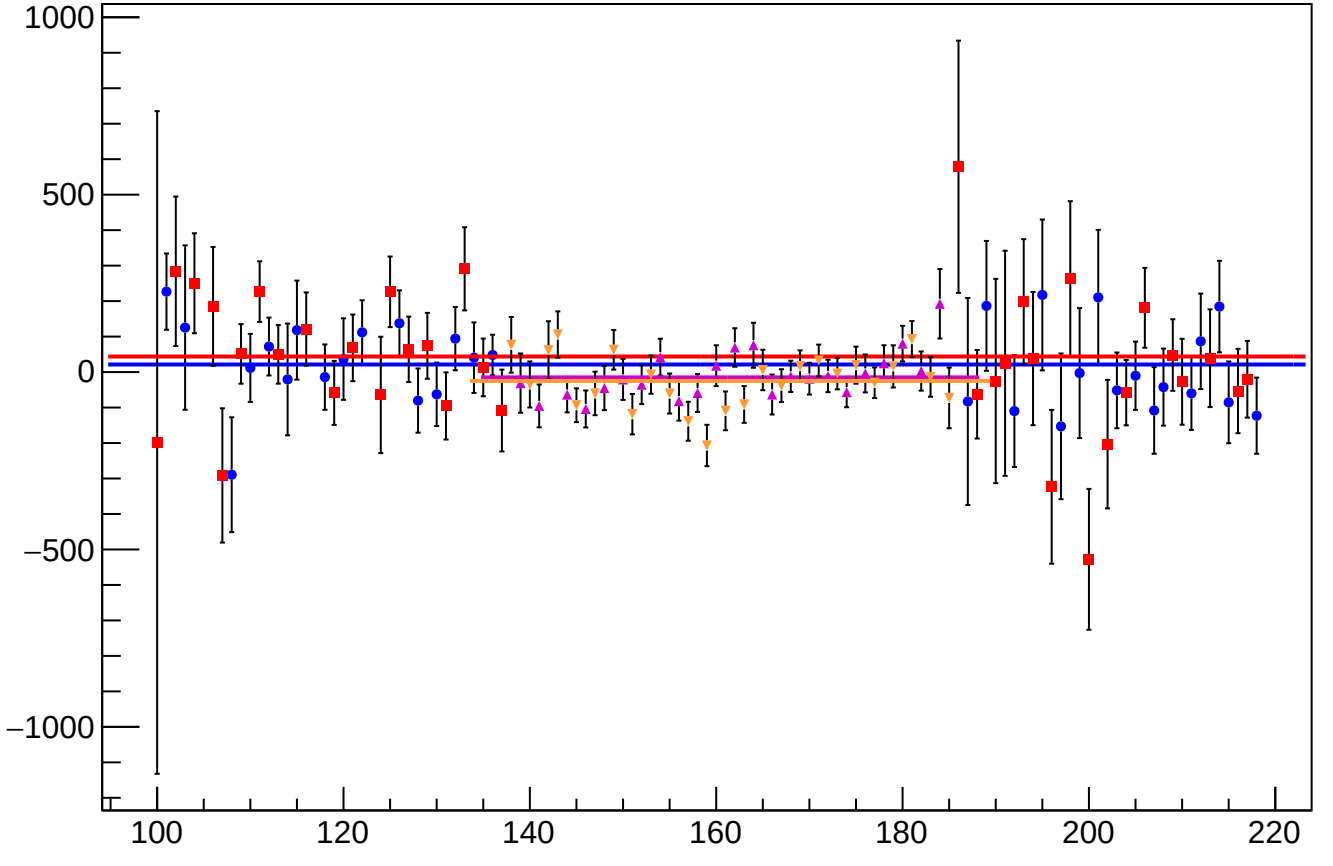
Right: 766.111+/-0.089 χ^2/NDF: 7434942.9/67

In: 312.318+/-0.042 χ^2/NDF:20202438.6/54

Out: 317.364+/-0.042 χ^2/NDF:21314314.7/60

All: 314.849+/-0.030 χ^2/NDF: 41524066.0/11

cor_asym_sam_37_dd_mean vs Slug, Sign Corrected



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: 43.824+/-19.991 χ^2/NDF: 48.3/35

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

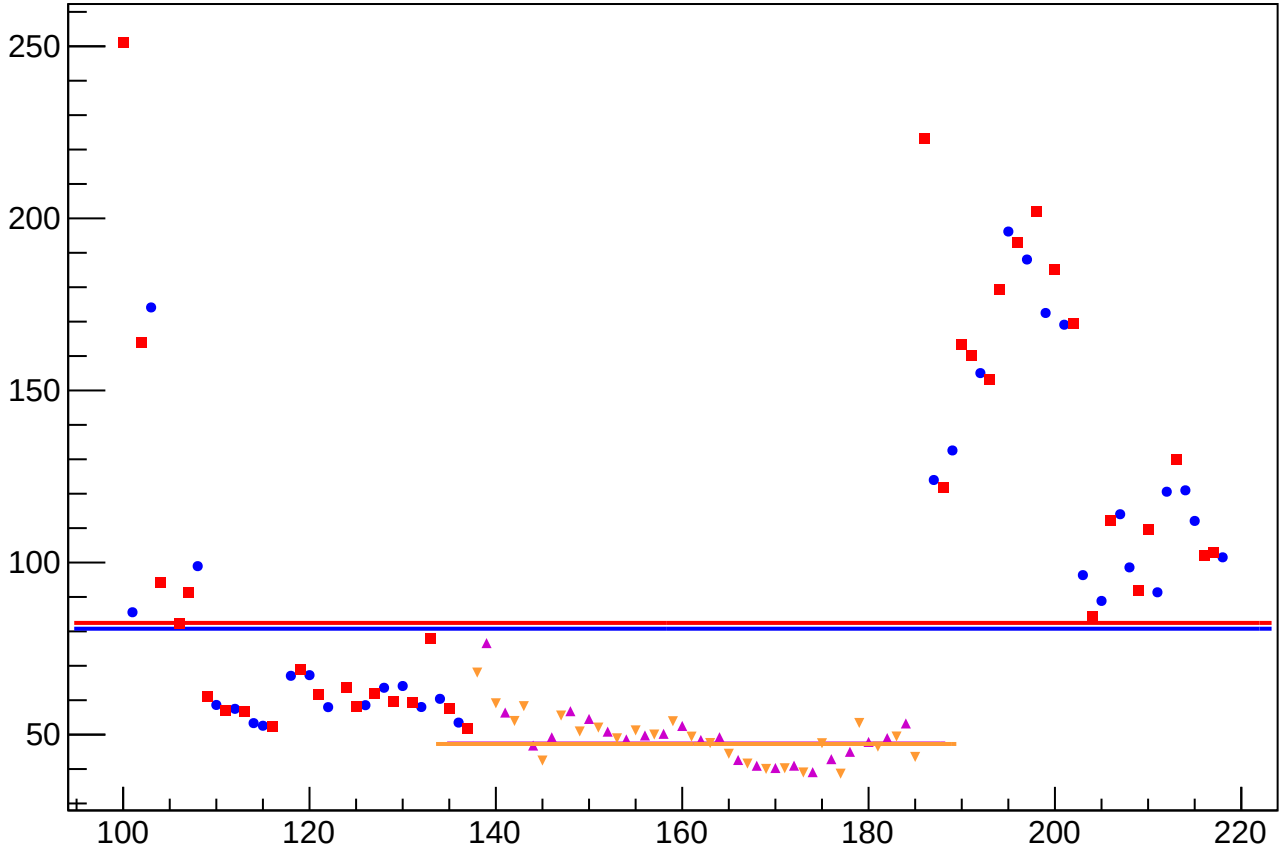
Right: 32.354+/-13.984 χ^2/NDF: 74.6/67

In: -6.001+/-9.732 χ^2/NDF:53.0/54

Out: -9.243+/-9.561 χ^2/NDF:100.5/60

All: -7.651+/-6.821 χ^2/NDF: 153.6/115

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: 82.459+/-0.014 χ^2/NDF: 6392174.3/35

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

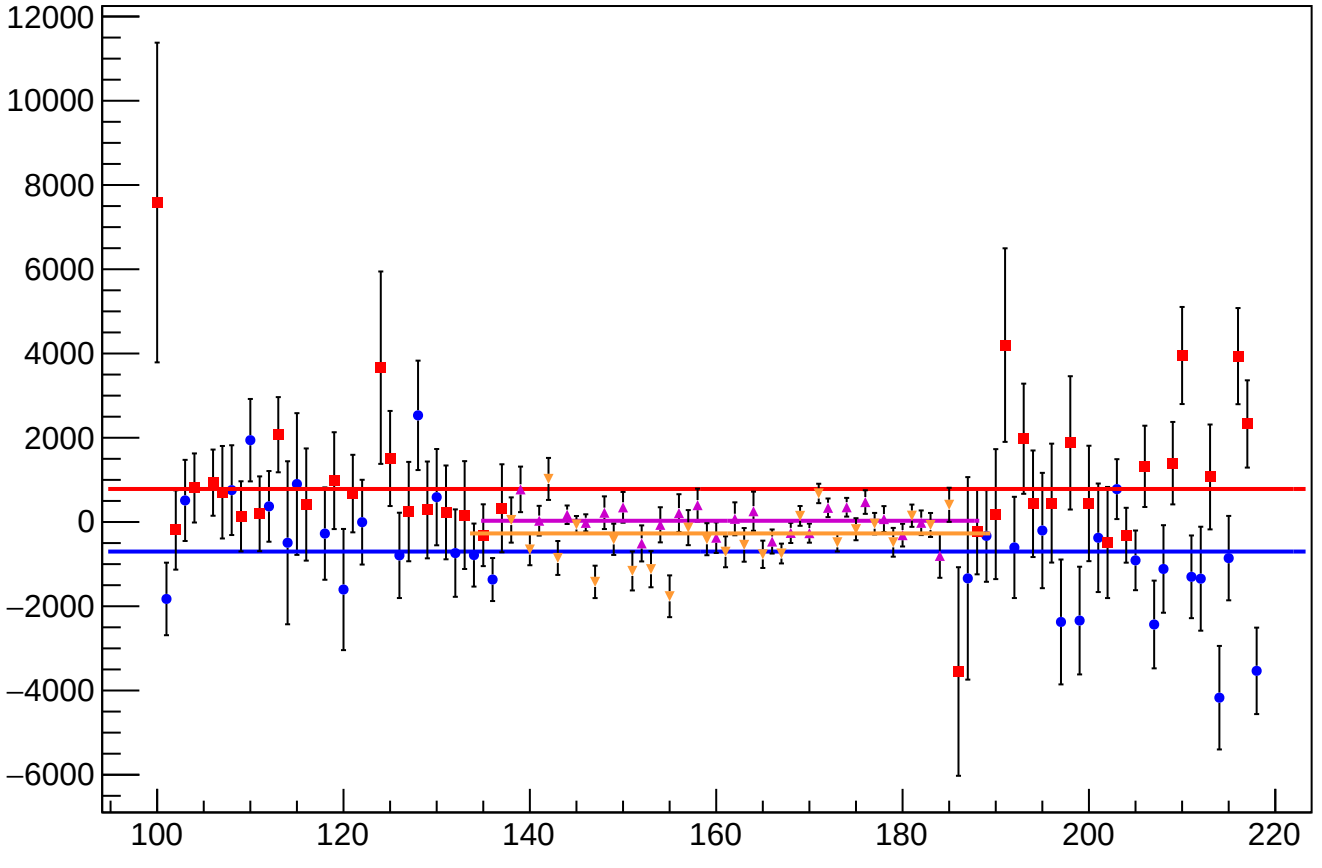
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 81.597+/-0.010 χ^2/NDF: 11877381.1/67

In: 55.672+/-0.007 χ^2/NDF:10504492.6/54

Out: 55.331+/-0.007 χ^2/NDF:11885255.7/60

All: 55.498+/-0.005 χ^2/NDF: 22391002.3/115



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: 784.213+/-180.232 χ^2/NDF: 42.7/35

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

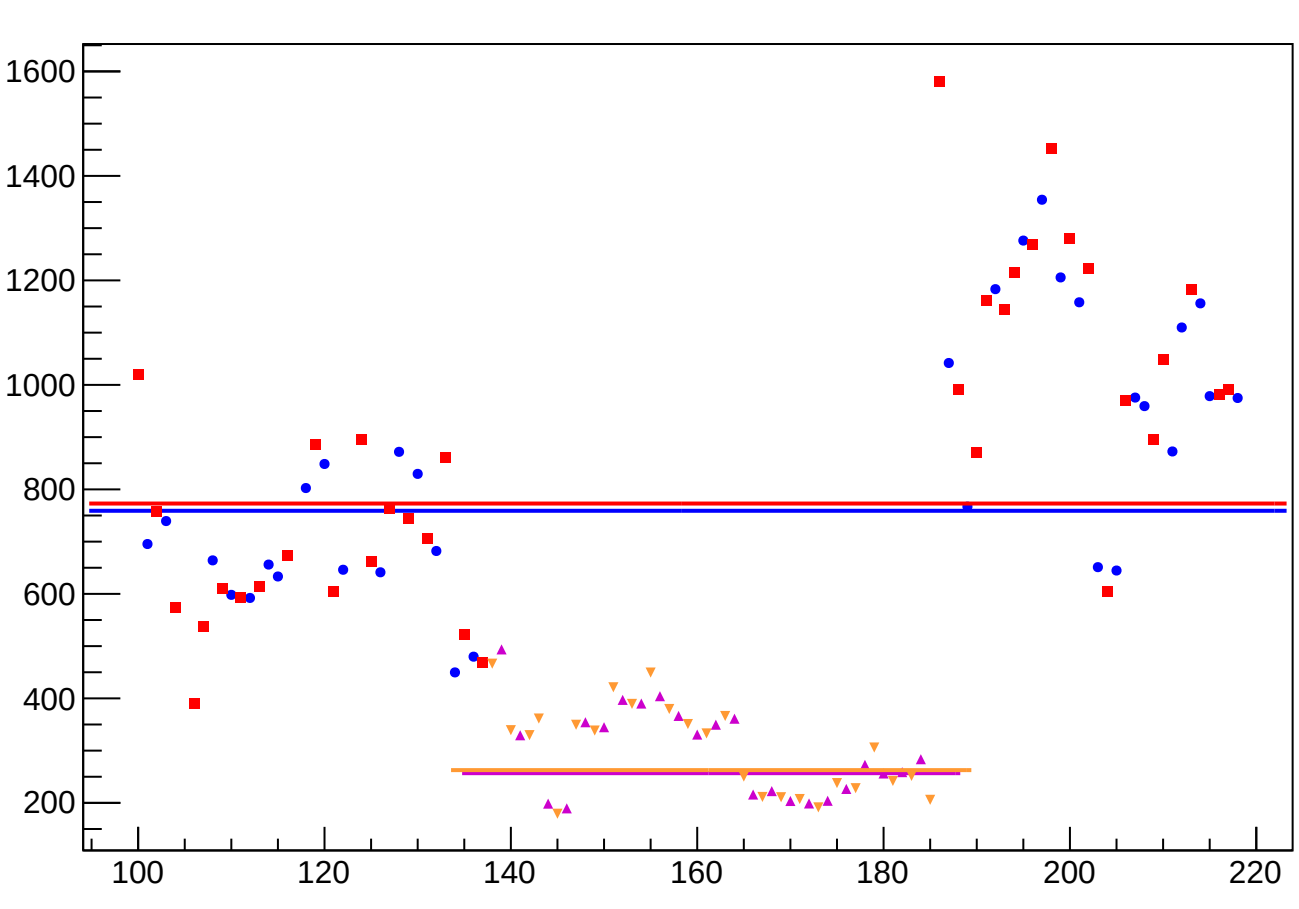
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 31.417+/-126.590 χ^2/NDF: 129.3/67

In: -51.520+/-59.108 χ^2/NDF:91.6/54

Out: -158.250+/-58.920 χ^2/NDF:147.3/60

All: -105.055+/-41.729 χ^2/NDF: 240.5/115



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: 772.916+/-0.127 χ^2/NDF: 4091279.4/35

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

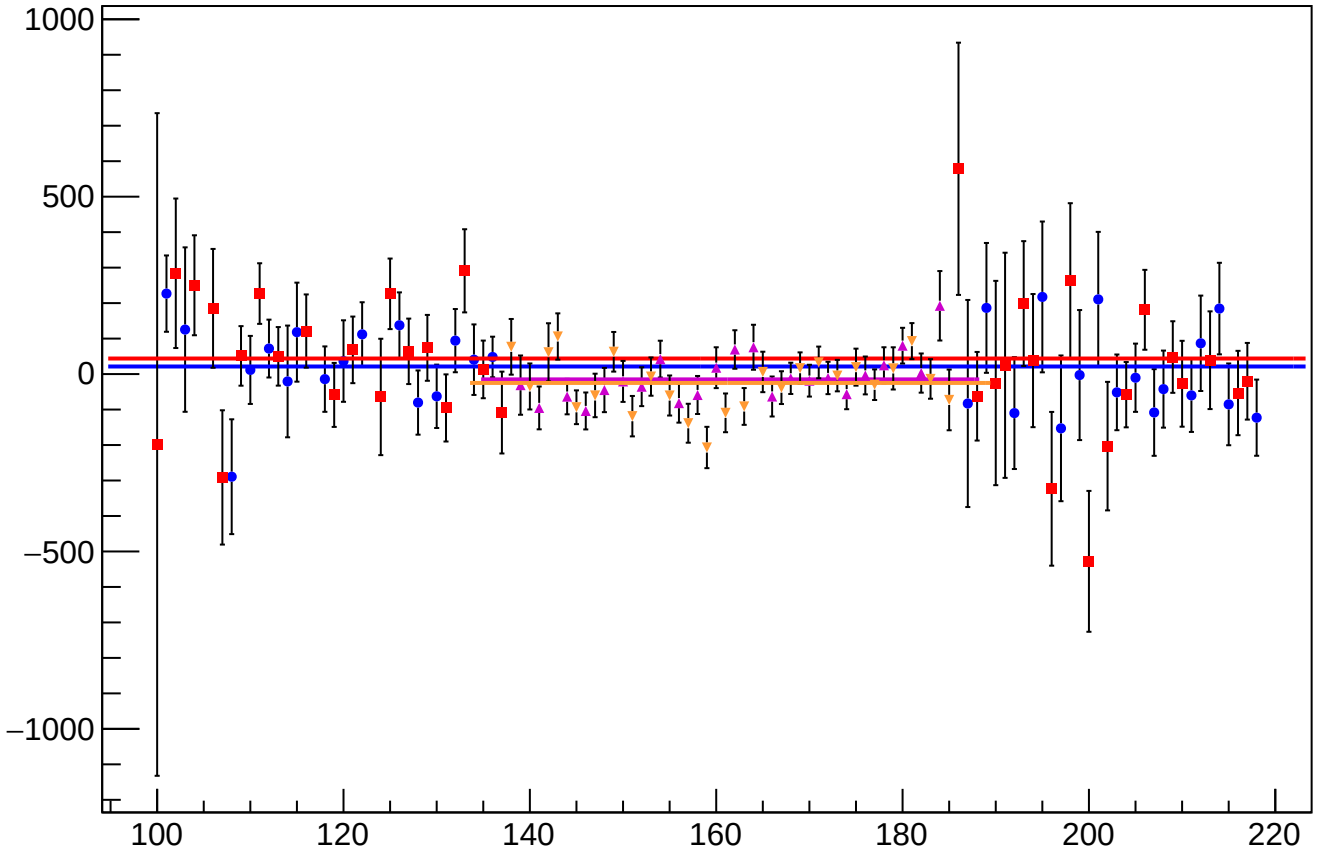
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 765.889+/-0.090 χ^2/NDF: 7473778.3/67

In: 312.318+/-0.042 χ^2/NDF:20202484.6/54

Out: 317.209+/-0.042 χ^2/NDF:21300675.3/60

All: 314.771+/-0.030 χ^2/NDF: 41510030.2/11



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: 43.824+/-19.991 χ^2/NDF: 48.3/35

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

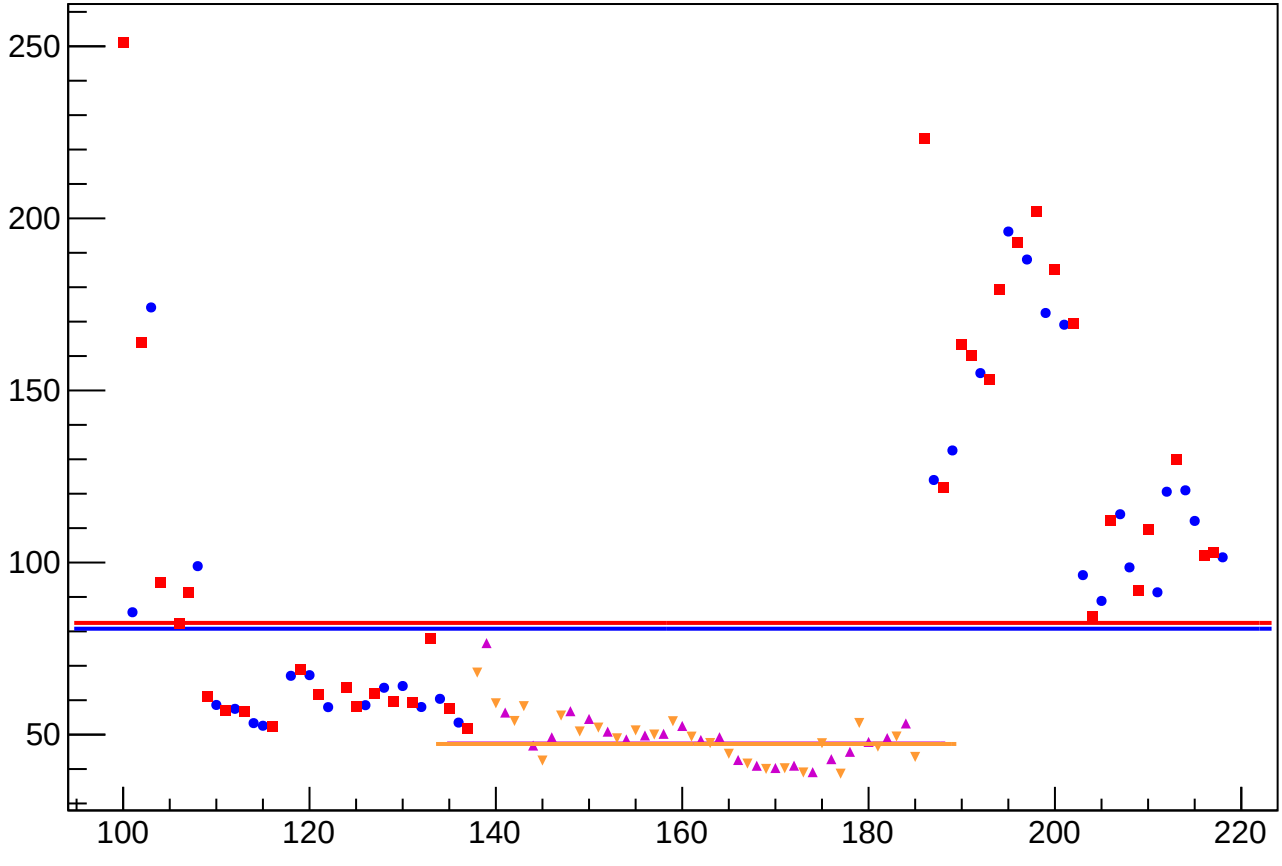
Right: 32.354+/-13.984 χ^2/NDF: 74.6/67

In: -6.001+/-9.732 χ^2/NDF:53.0/54

Out: -9.243+/-9.561 χ^2/NDF:100.5/60

All: -7.651+/-6.821 χ^2/NDF: 153.6/115

eigen_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: 82.459+/-0.014 χ^2/NDF: 6392174.3/35

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

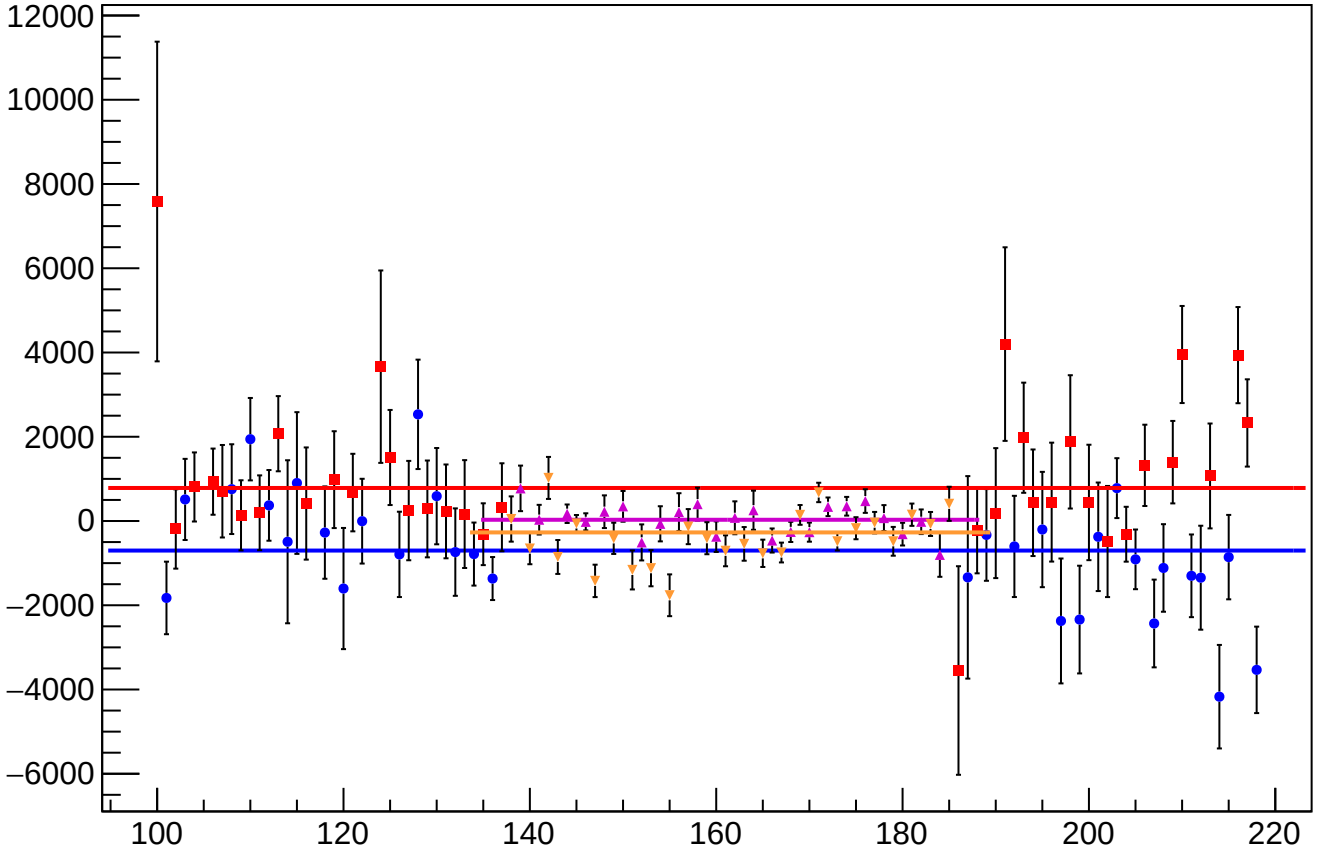
Right: 81.597+/-0.010 χ^2/NDF: 11877381.1/67

In: 55.672+/-0.007 χ^2/NDF:10504492.6/54

Out: 55.331+/-0.007 χ^2/NDF:11885255.7/60

All: 55.498+/-0.005 χ^2/NDF: 22391002.3/115

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: 784.213+/-180.232 χ^2/NDF: 42.7/35

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

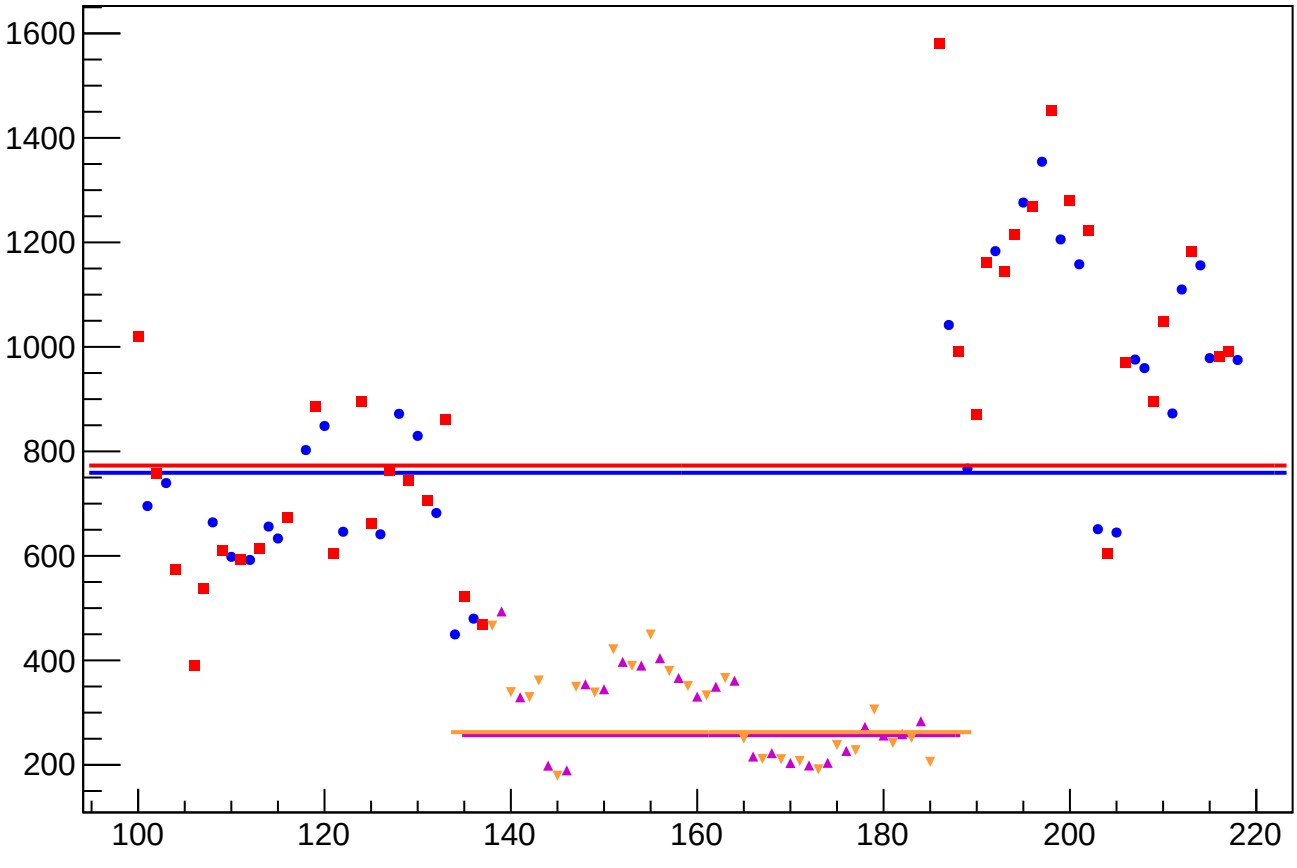
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 31.417+/-126.590 χ^2/NDF: 129.3/67

In: -51.520+/-59.108 χ^2/NDF:91.6/54

Out: -158.250+/-58.920 χ^2/NDF:147.3/60

All: -105.055+/-41.729 χ^2/NDF: 240.5/115



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: 772.916+/-0.127 χ^2/NDF: 4091279.4/35

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

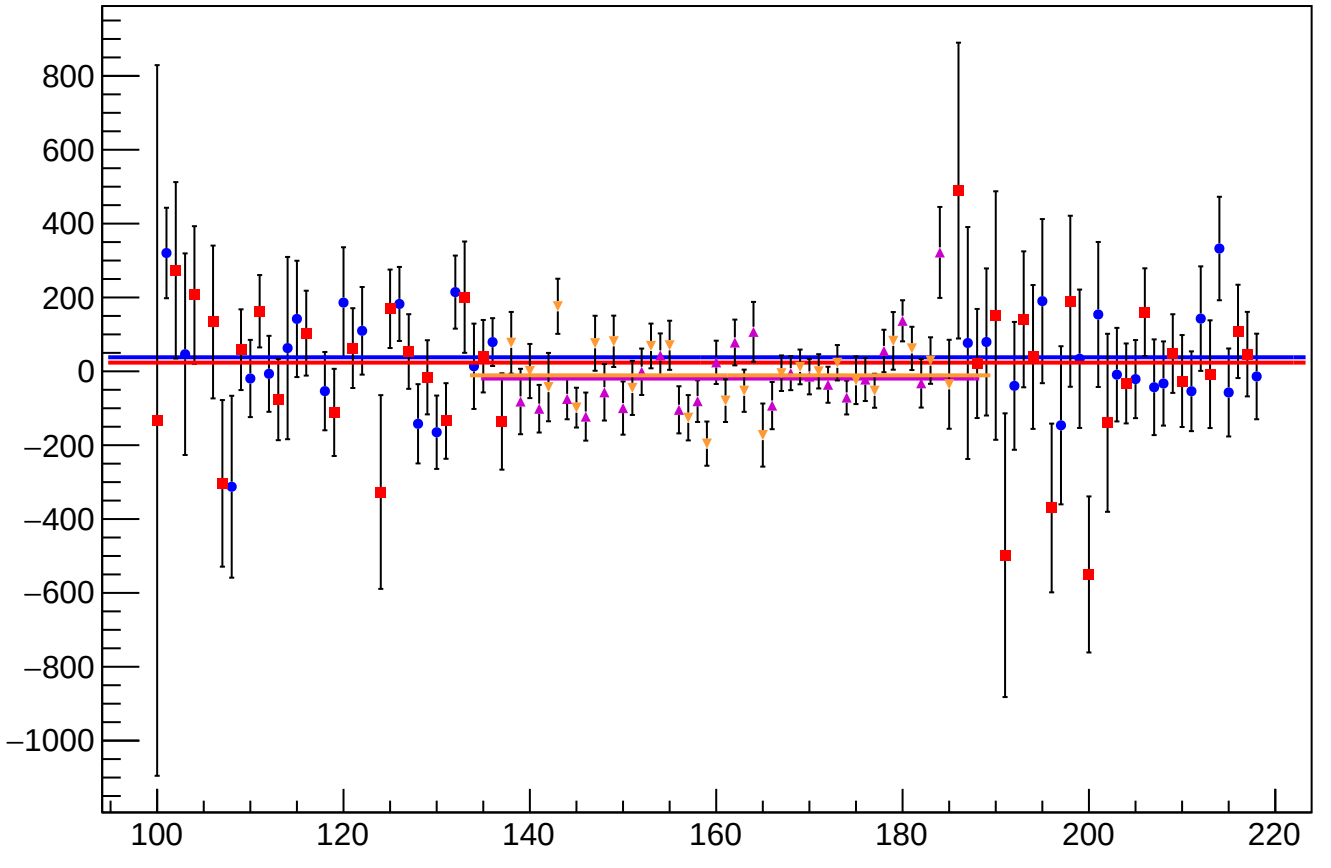
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 765.889+/-0.090 χ^2/NDF: 7473778.3/67

In: 312.318+/-0.042 χ^2/NDF:20202484.6/54

Out: 317.209+/-0.042 χ^2/NDF:21300675.3/60

All: 314.771+/-0.030 χ^2/NDF: 41510030.2/11



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: 23.625+/-22.988 χ^2/NDF: 35.9/35

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

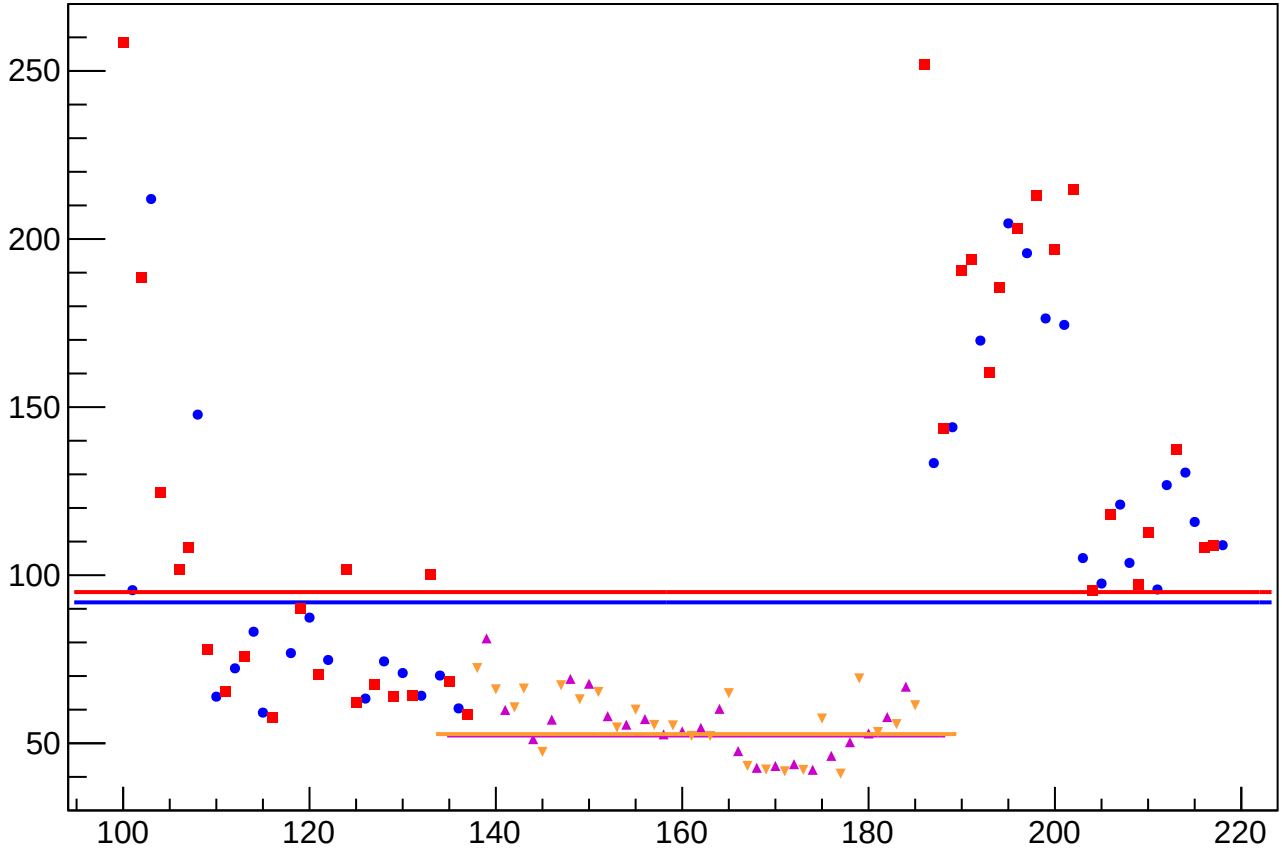
Right: 31.093+/-15.963 χ^2/NDF: 68.8/67

In: -5.627+/-10.920 χ^2/NDF:74.5/54

Out: -3.150+/-10.849 χ^2/NDF:78.1/60

All: -4.381+/-7.697 χ^2/NDF: 152.6/115

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: 94.978+/-0.016 χ^2/NDF: 5825449.5/35

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

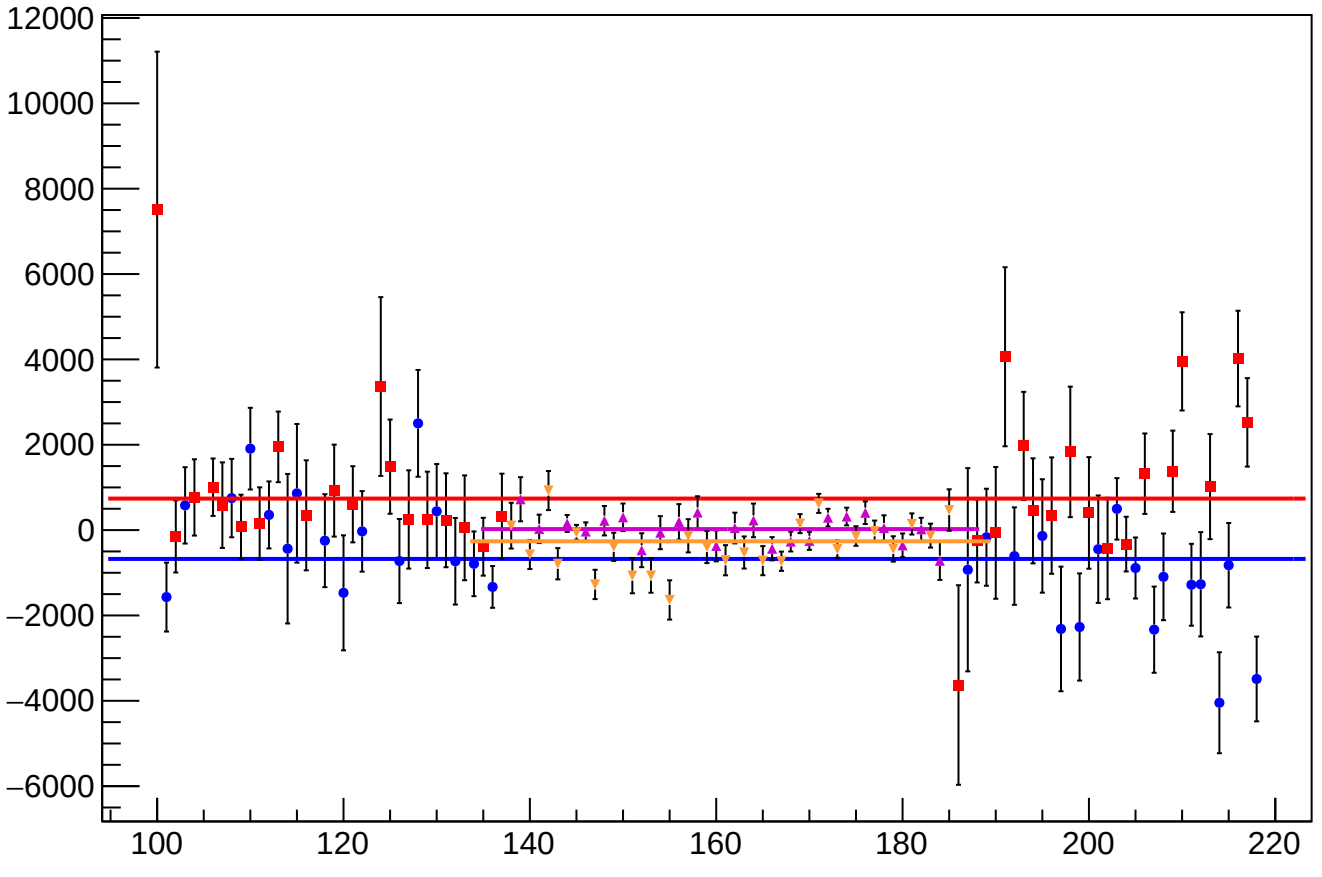
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 93.395+/-0.011 χ^2/NDF: 10604903.2/67

In: 61.913+/-0.008 χ^2/NDF:10483937.4/54

Out: 62.141+/-0.008 χ^2/NDF:12242946.0/60

All: 62.028+/-0.005 χ^2/NDF: 22727323.1/115



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: 738.686+/-172.192 χ^2/NDF: 47.0/35

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

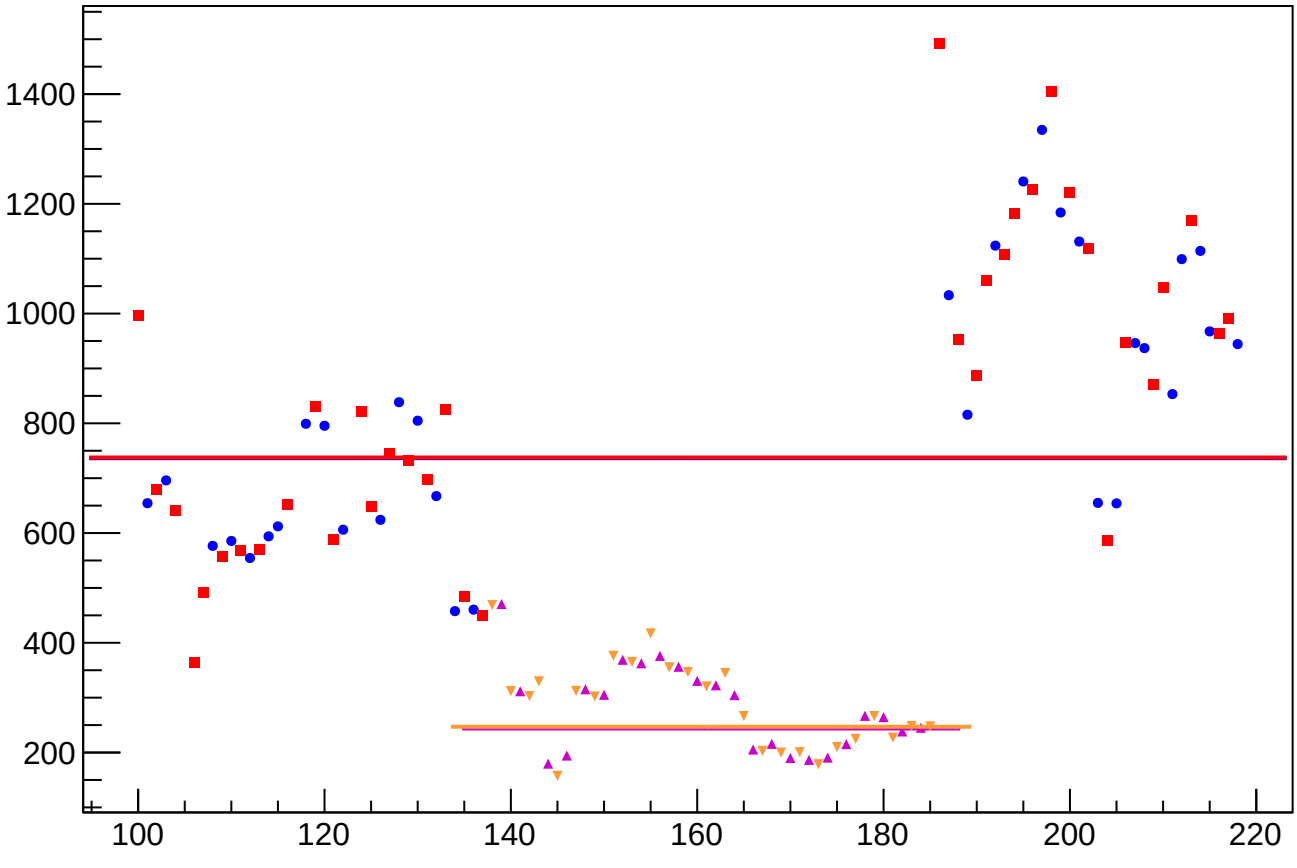
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 32.577+/-121.843 χ^2/NDF: 132.2/67

In: -50.670+/-56.158 χ^2/NDF:90.3/54

Out: -158.971+/-55.391 χ^2/NDF:149.5/60

All: -105.565+/-39.436 χ^2/NDF: 241.8/115



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: 737.647+/-0.122 χ^2/NDF: 4375812.1/35

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

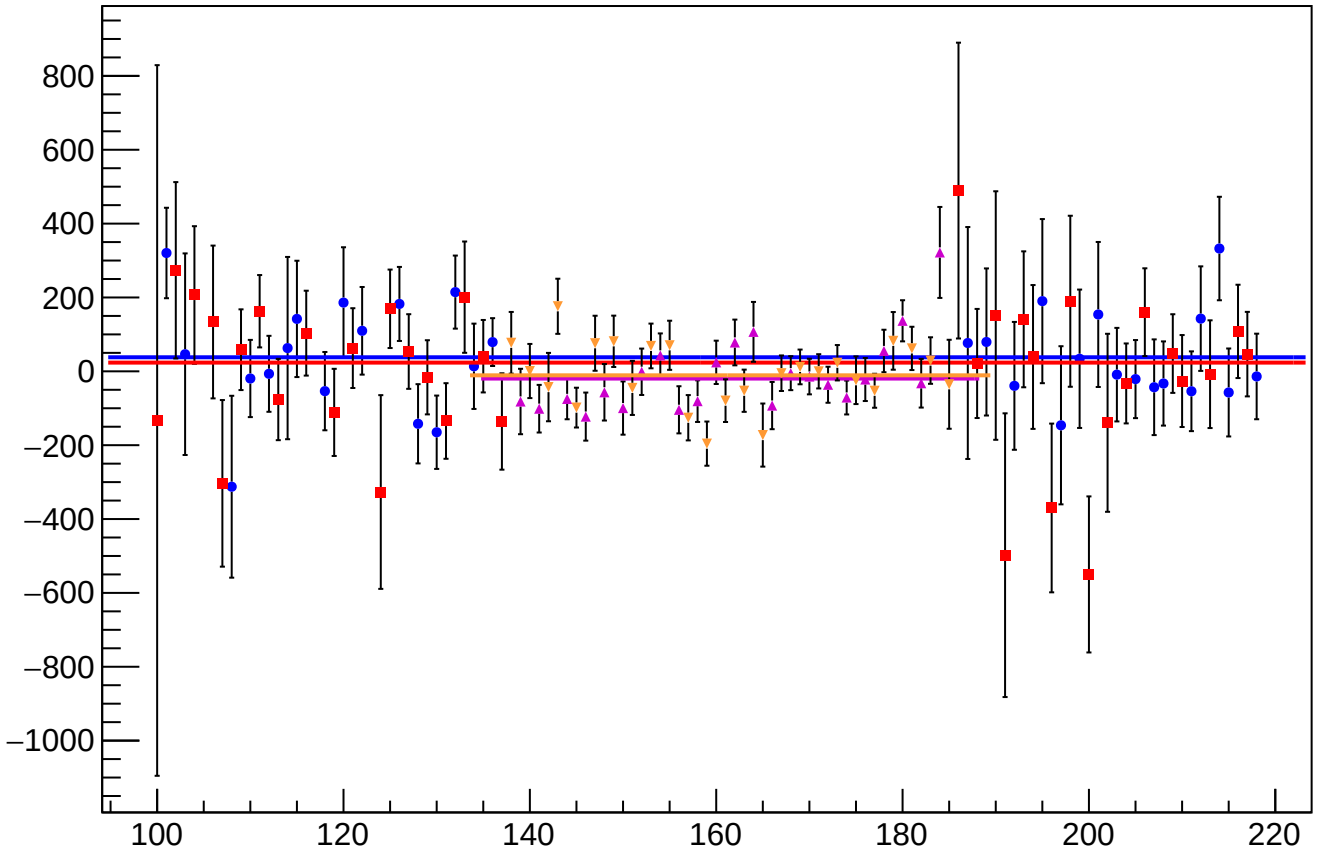
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 737.033+/-0.086 χ^2/NDF: 7823476.8/67

In: 296.075+/-0.040 χ^2/NDF:20528855.4/54

Out: 297.768+/-0.039 χ^2/NDF:21859727.8/60

All: 296.933+/-0.028 χ^2/NDF: 42389505.0/11



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: 23.624+/-22.988 χ^2/NDF: 35.9/35

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

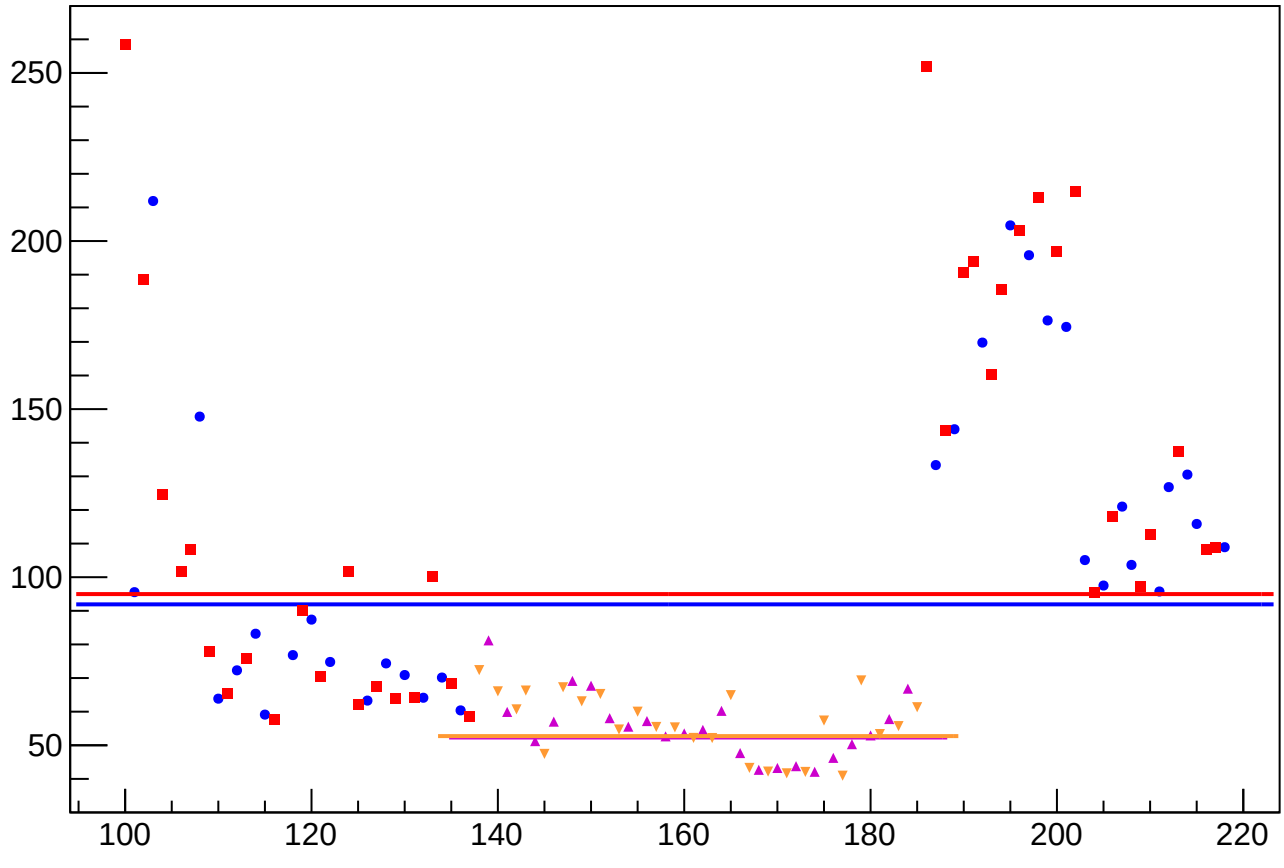
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 31.093+/-15.963 χ^2/NDF: 68.8/67

In: -5.627+/-10.920 χ^2/NDF:74.5/54

Out: -3.150+/-10.849 χ^2/NDF:78.1/60

All: -4.380+/-7.697 χ^2/NDF: 152.6/115



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: 94.978+/-0.016 χ^2/NDF: 5825454.3/35

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

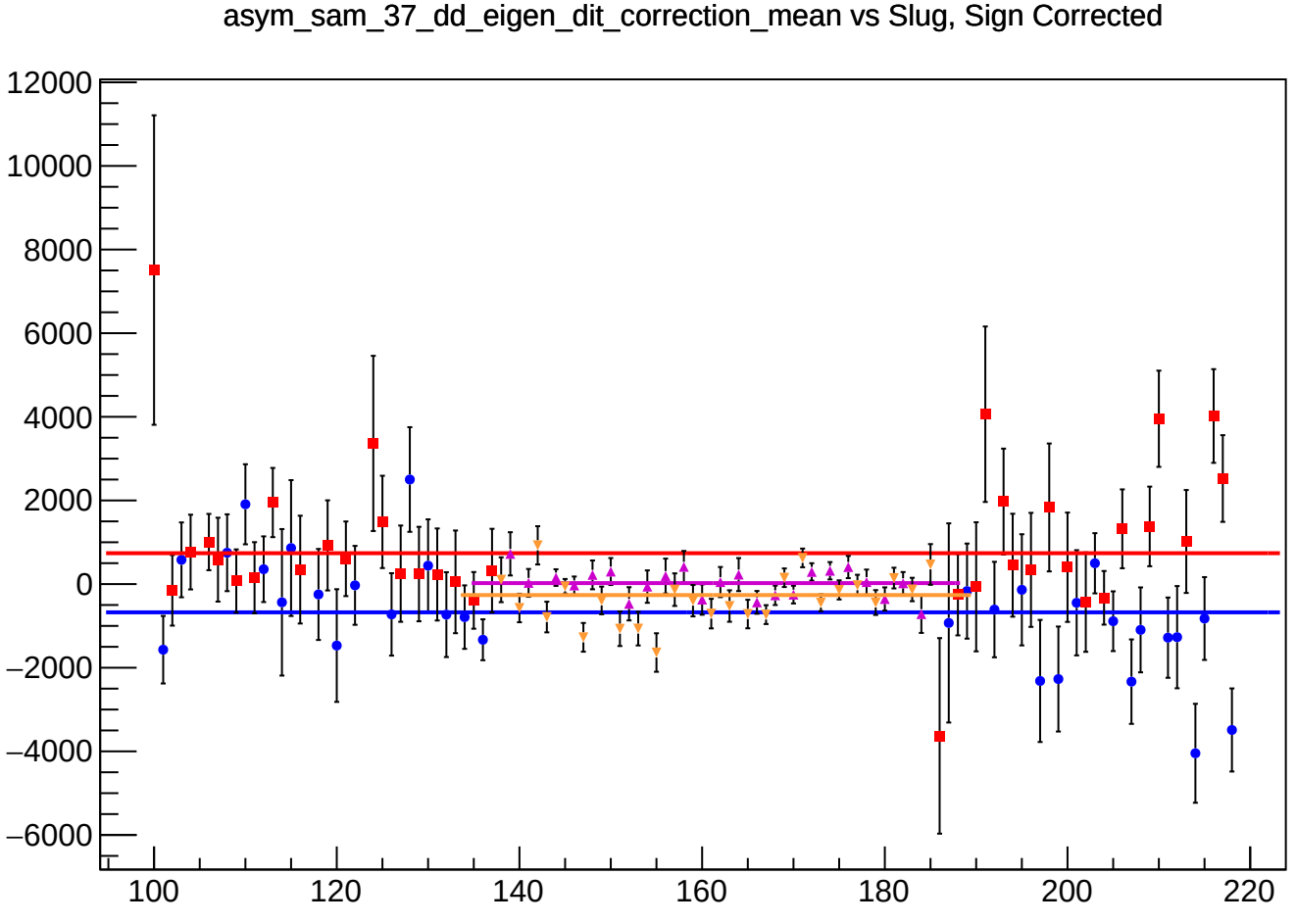
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 93.395+/-0.011 χ^2/NDF: 10604943.6/67

In: 61.913+/-0.008 χ^2/NDF:10483938.7/54

Out: 62.141+/-0.008 χ^2/NDF:12242942.9/60

All: 62.028+/-0.005 χ^2/NDF: 22727321.4/115



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: 738.685+/-172.192 χ^2/NDF: 47.0/35

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

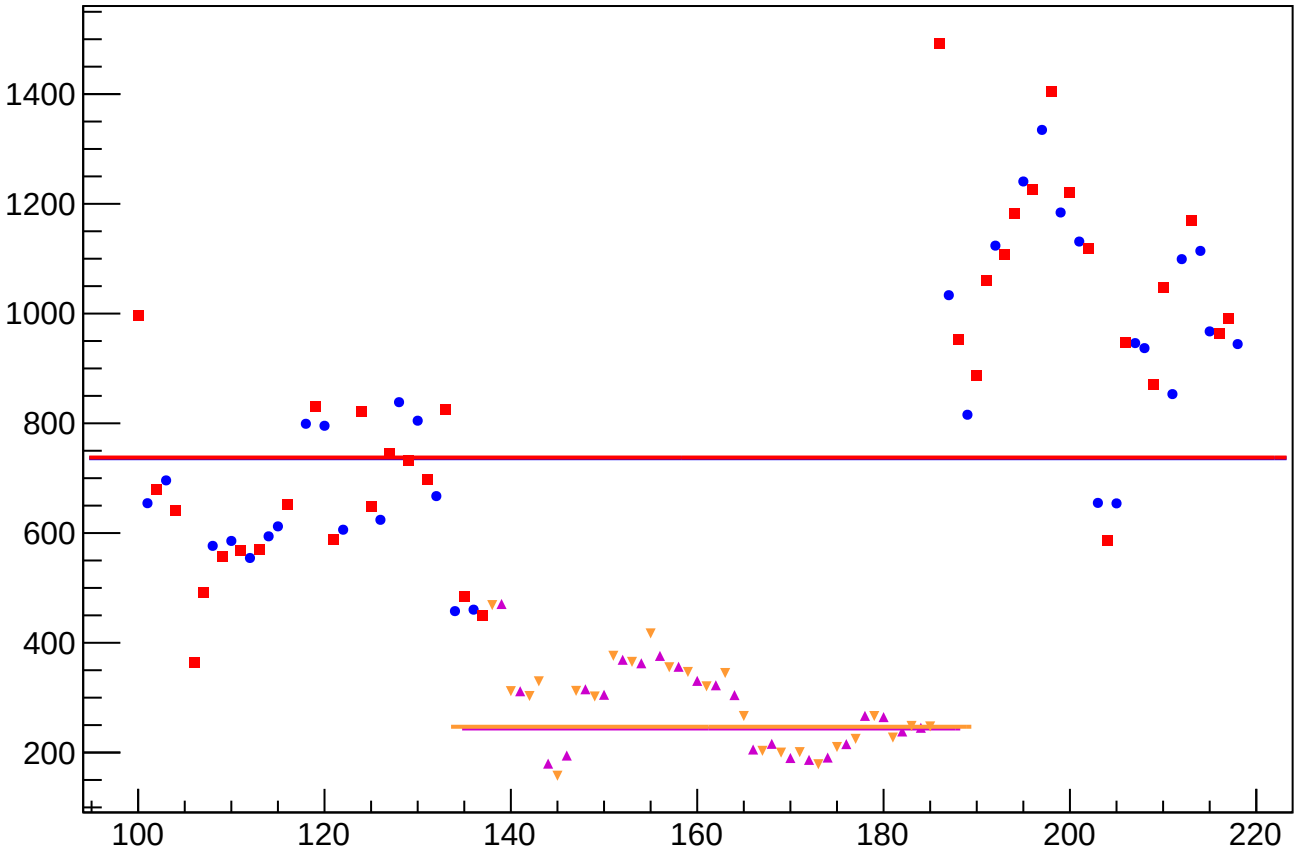
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 32.577+/-121.843 χ^2/NDF: 132.2/67

In: -50.670+/-56.158 χ^2/NDF:90.3/54

Out: -158.971+/-55.391 χ^2/NDF:149.5/60

All: -105.565+/-39.436 χ^2/NDF: 241.8/115



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: 737.647+/-0.122 χ^2/NDF: 4375801.6/35

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

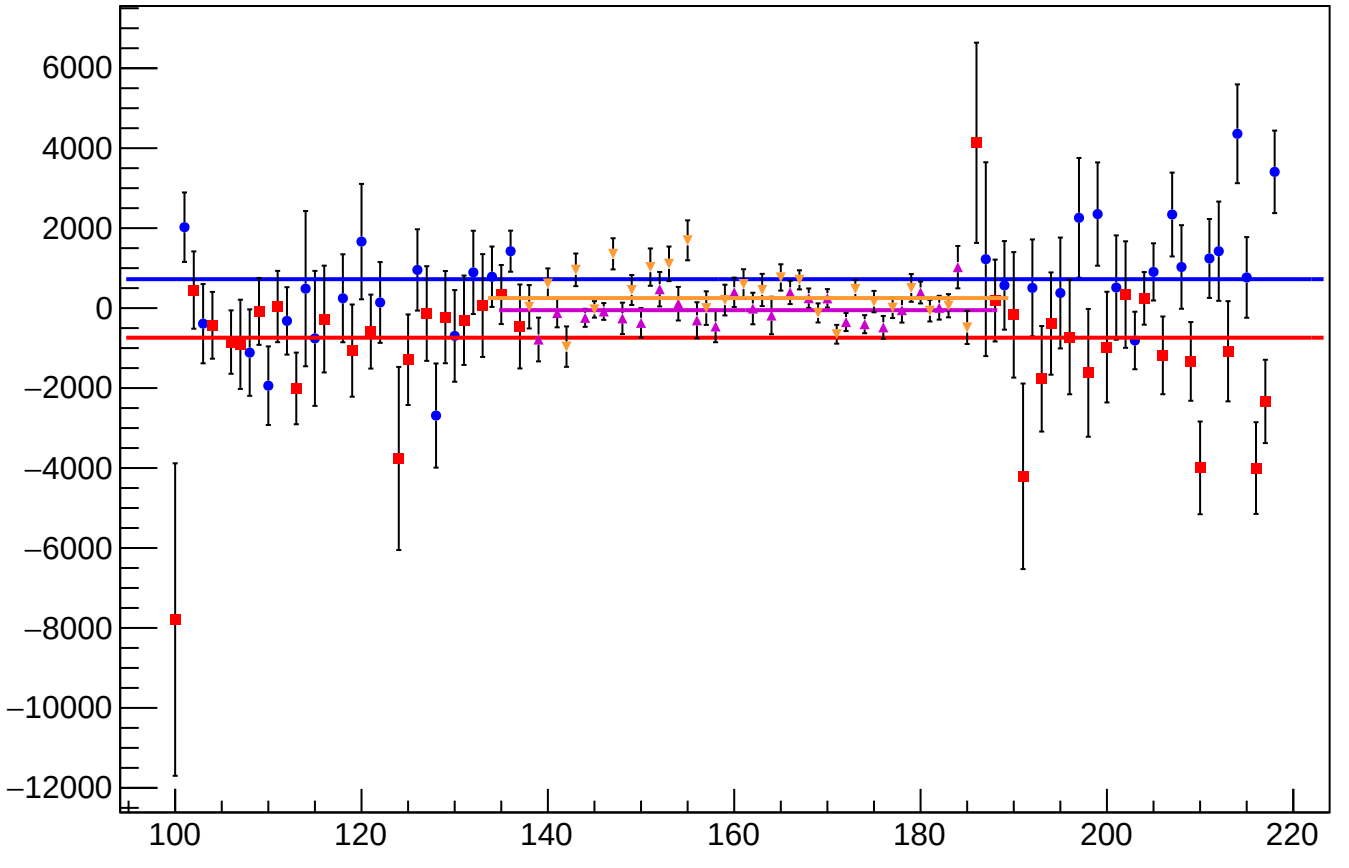
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 737.033+/-0.086 χ^2/NDF: 7823444.9/67

In: 296.074+/-0.040 χ^2/NDF:20528852.6/54

Out: 297.768+/-0.039 χ^2/NDF:21859706.5/60

All: 296.933+/-0.028 χ^2/NDF: 42389481.1/11



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: -739.999+/-181.763 χ^2/NDF: 43.6/35

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

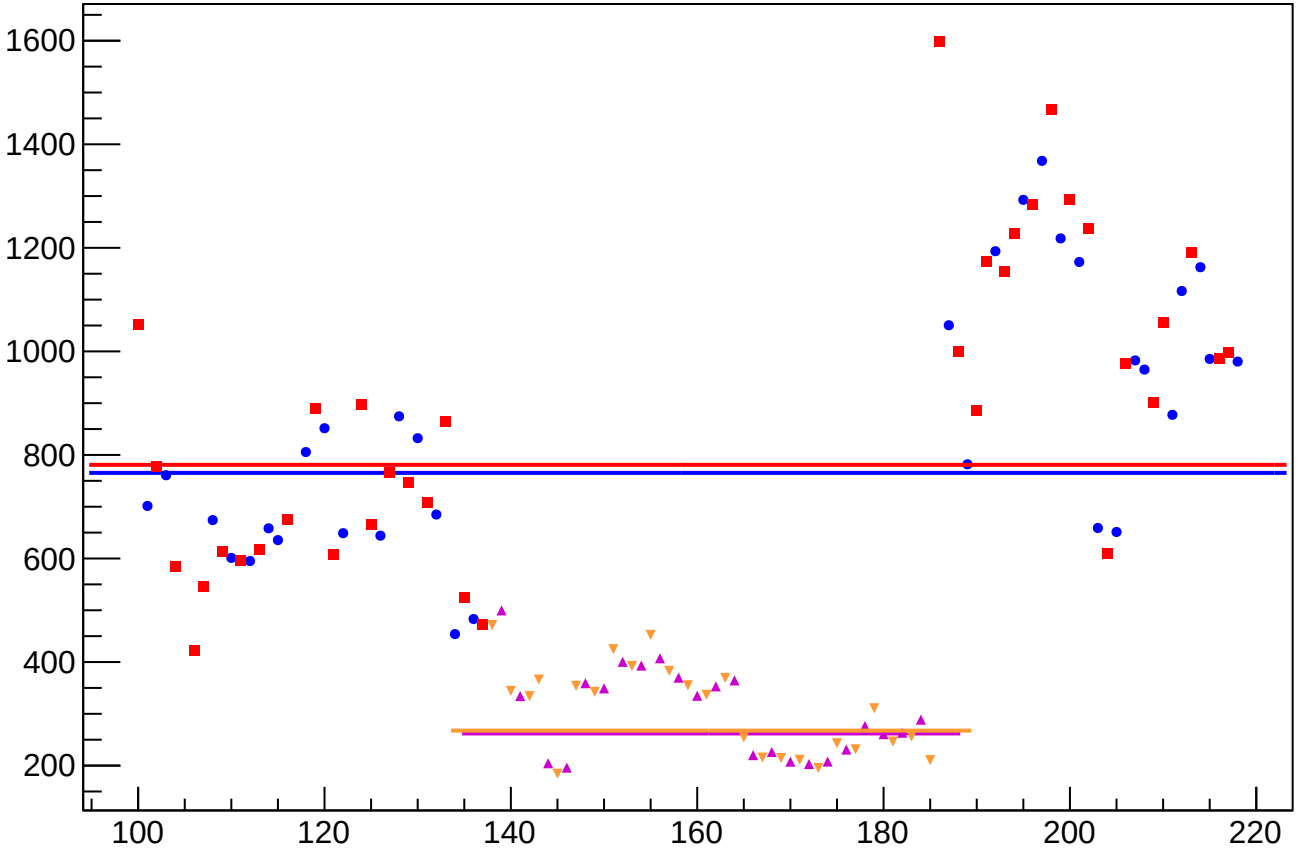
Right: 1.512+/-127.654 χ^2/NDF: 129.7/67

In: 35.470+/-60.145 χ^2/NDF:96.6/54

Out: 143.534+/-59.883 χ^2/NDF:137.6/60

All: 89.738+/-42.436 χ^2/NDF: 235.9/115

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: 780.885+/-0.129 χ^2/NDF: 4029230.8/35

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

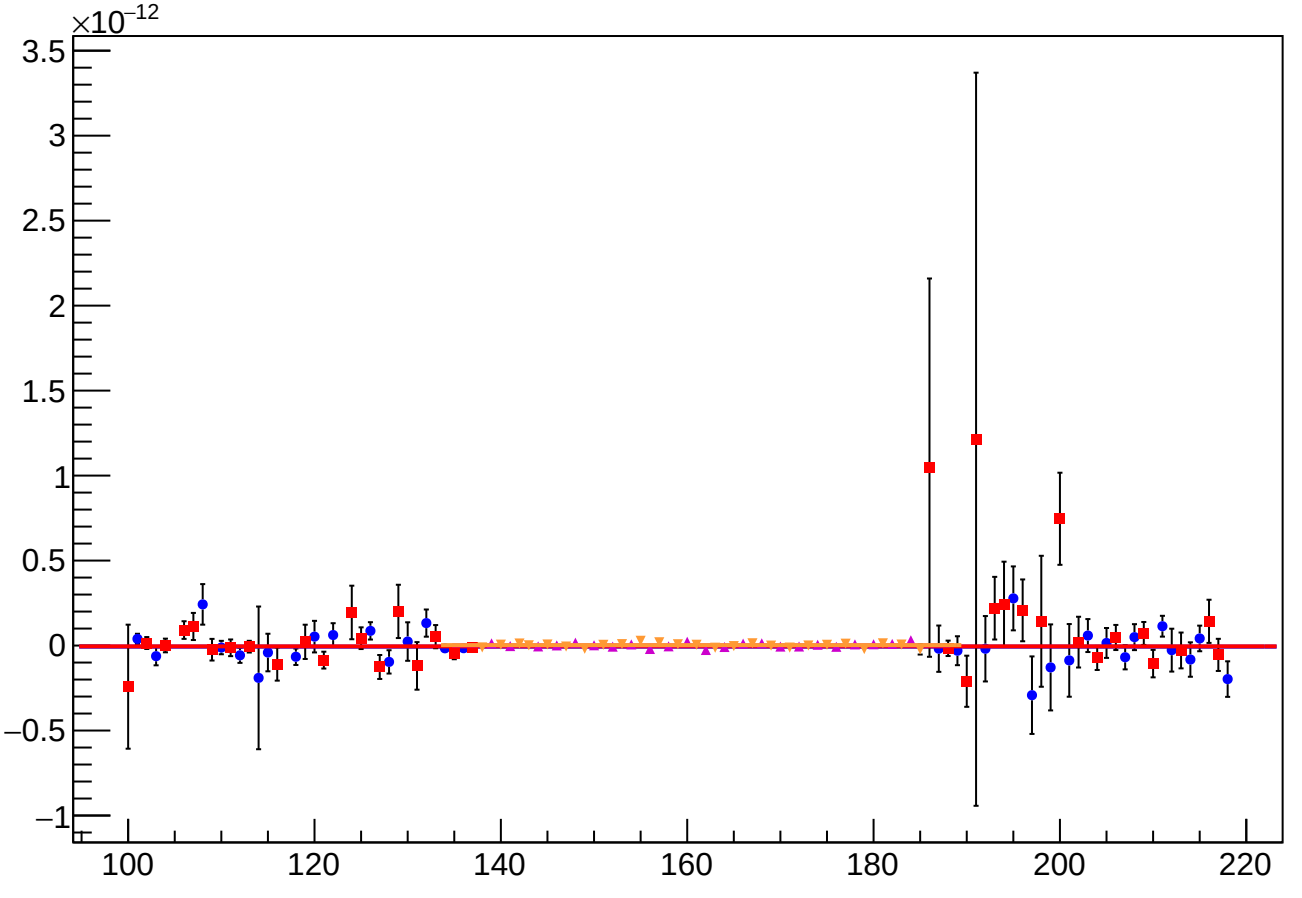
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 773.011+/-0.090 χ^2/NDF: 7417632.0/67

In: 318.706+/-0.043 χ^2/NDF:19898658.5/54

Out: 323.302+/-0.042 χ^2/NDF:21049255.3/60

All: 321.014+/-0.030 χ^2/NDF: 40953779.1/11



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: 40.8/35

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

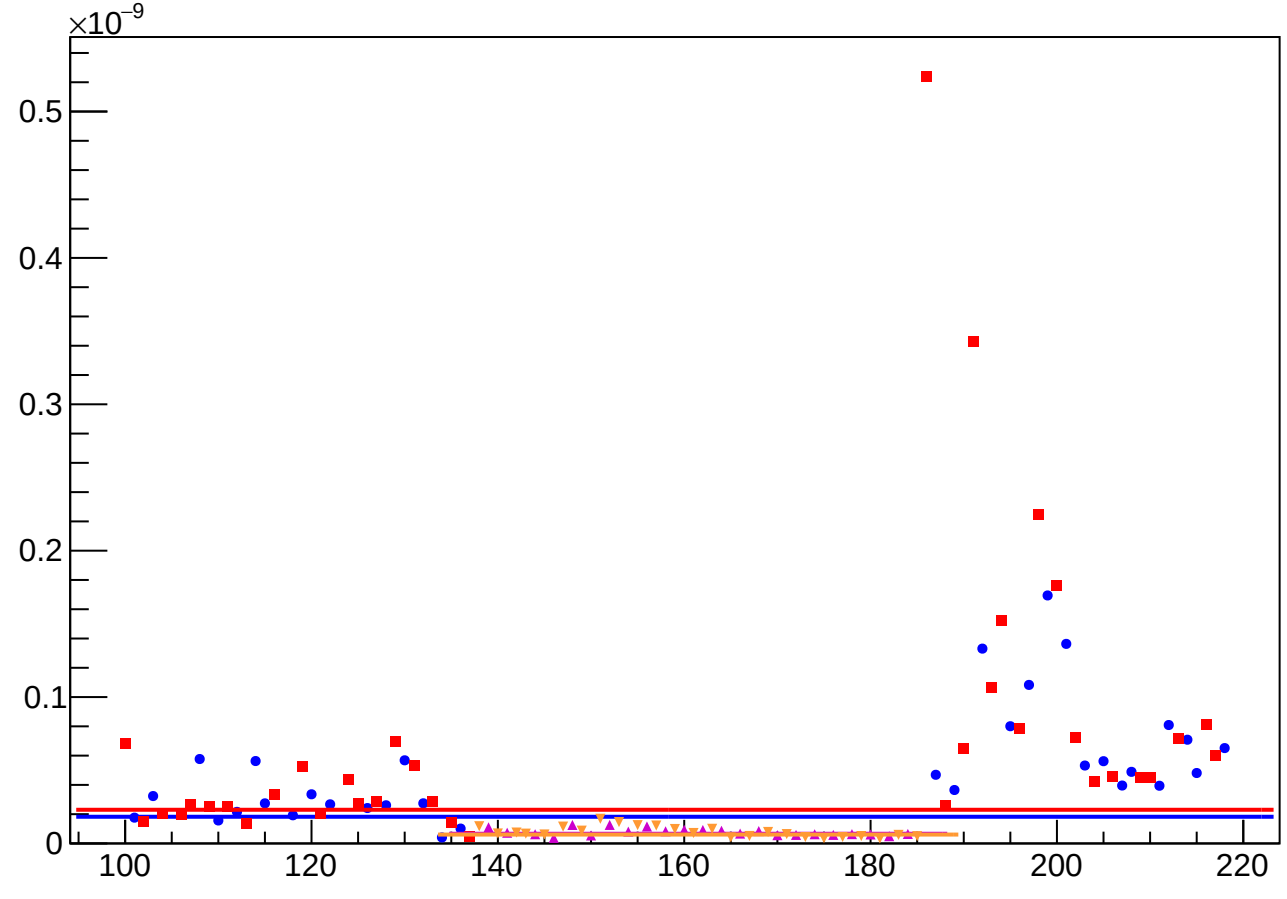
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 76.1/67

In: 0.000+/-0.000 χ^2/NDF:48.2/54

Out: 0.000+/-0.000 χ^2/NDF:56.5/60

All: 0.000+/-0.000 χ^2/NDF: 104.9/115



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: 7169897.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

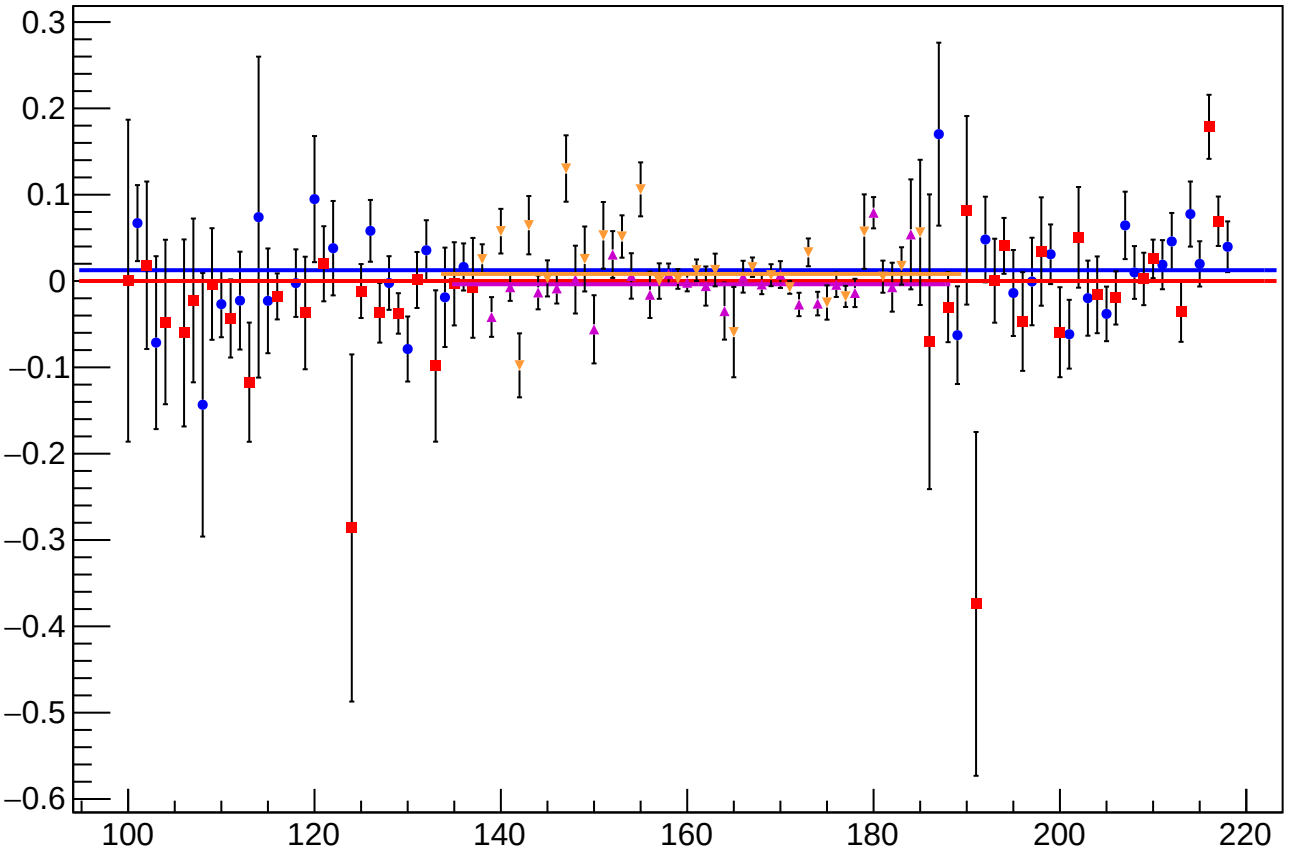
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 15957685.6/67

In: 0.000+/-0.000 χ^2/NDF:12918634.2/54

Out: 0.000+/-0.000 χ^2/NDF:14587974.2/60

All: 0.000+/-0.000 χ^2/NDF: 27576080.2/115



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: 53.9/35

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

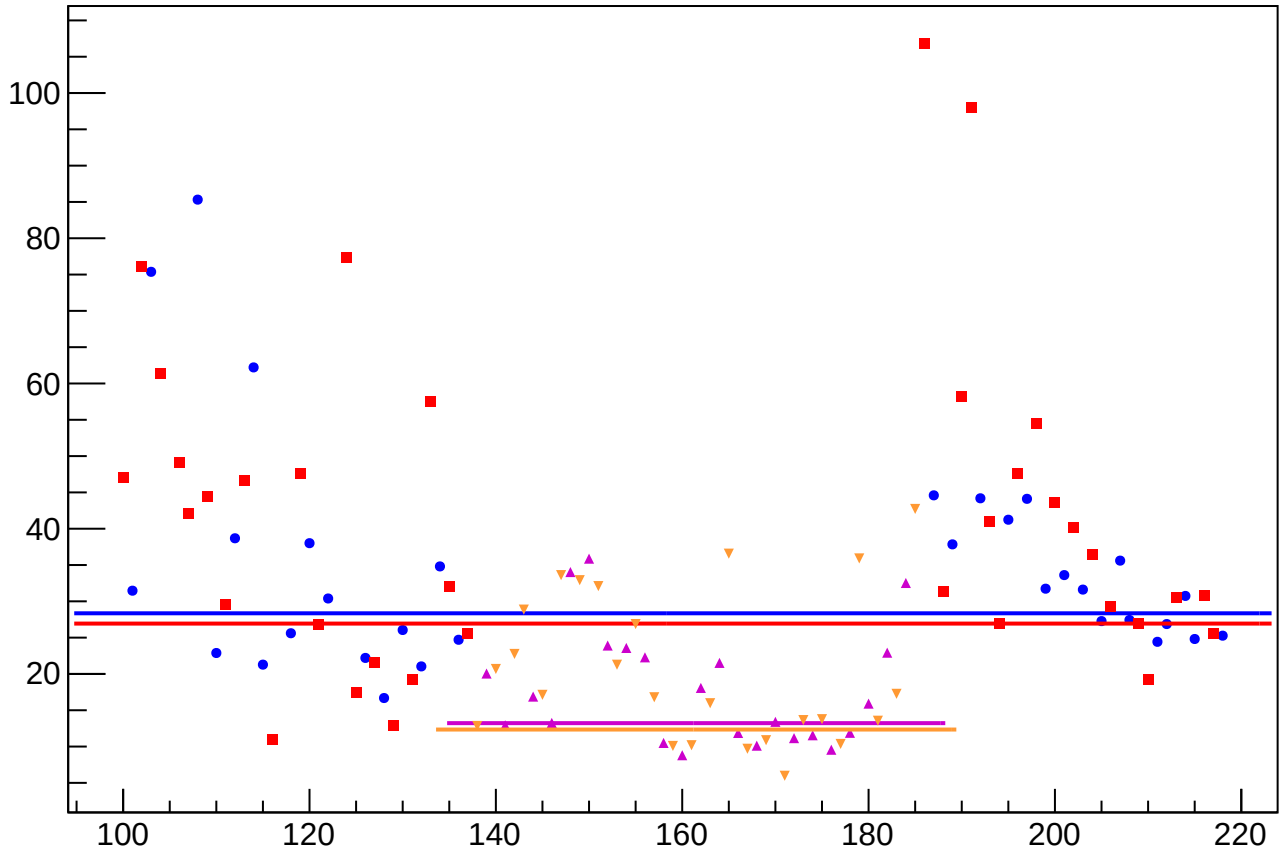
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: 0.006+/-0.005 χ^2/NDF: 89.2/67

In: -0.000+/-0.003 χ^2/NDF:75.1/54

Out: 0.007+/-0.003 χ^2/NDF:113.8/60

All: 0.003+/-0.002 χ^2/NDF: 191.3/115



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: 26.935+/-0.005 χ^2/NDF: 6014144.6/35

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

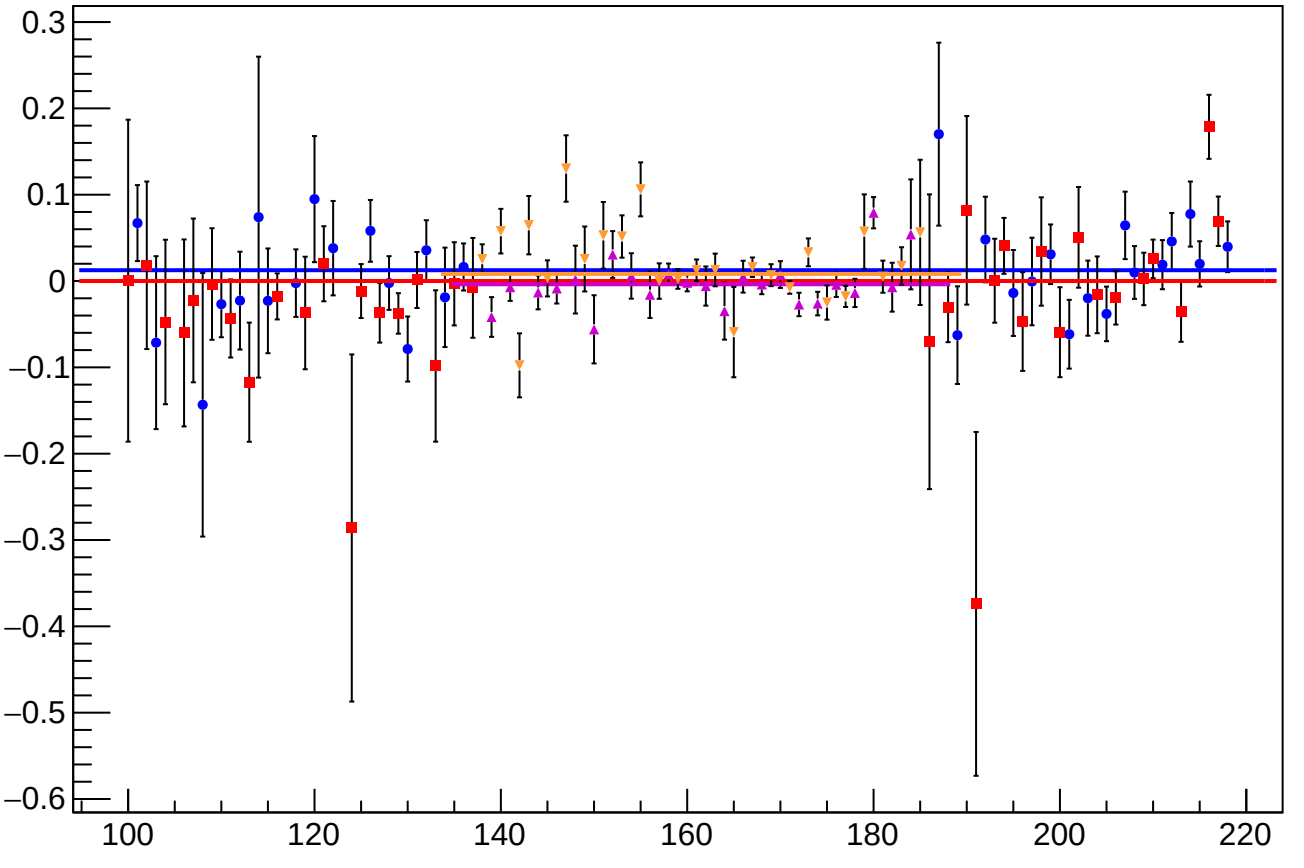
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.645+/-0.004 χ^2/NDF: 8410742.1/67

In: 16.373+/-0.002 χ^2/NDF:13440789.4/54

Out: 15.133+/-0.002 χ^2/NDF:19583034.6/60

All: 15.728+/-0.002 χ^2/NDF: 33176793.5/115



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: 53.9/35

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

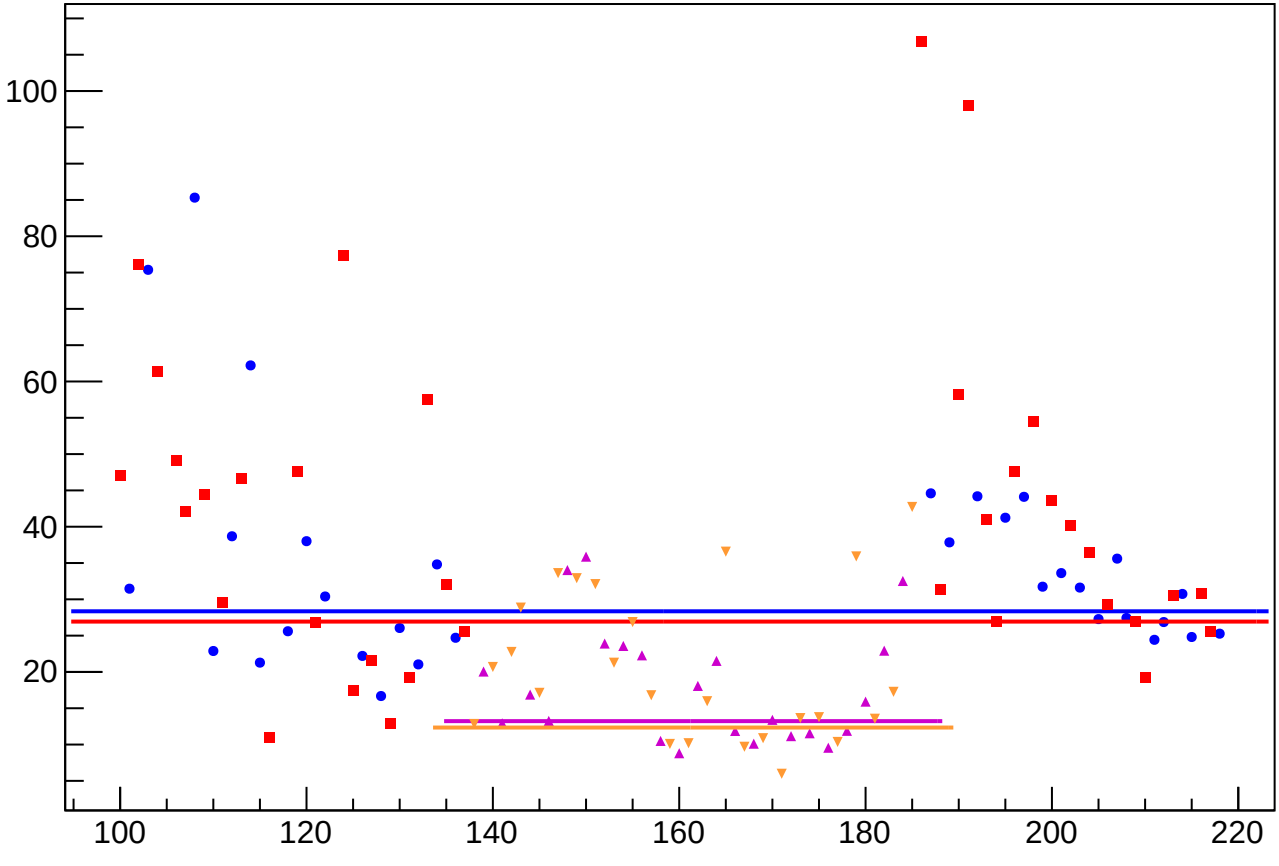
Right: 0.006+/-0.005 χ^2/NDF: 89.2/67

In: -0.000+/-0.003 χ^2/NDF:75.1/54

Out: 0.007+/-0.003 χ^2/NDF:113.8/60

All: 0.003+/-0.002 χ^2/NDF: 191.3/115

asym_sam_37_dd_dit_vs_eigen_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: 26.935+/-0.005 χ^2/NDF: 6014144.6/35

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

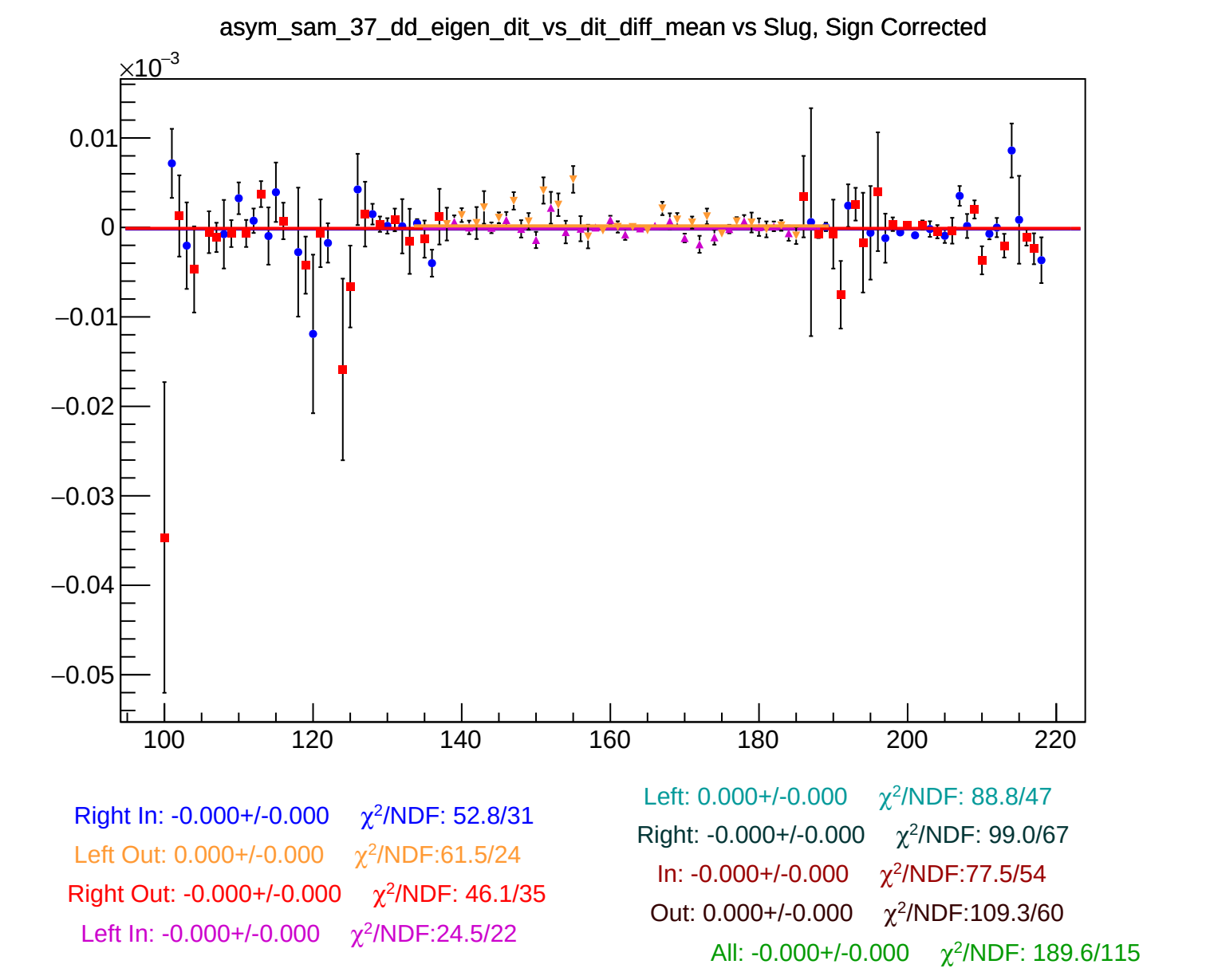
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.645+/-0.004 χ^2/NDF: 8410742.1/67

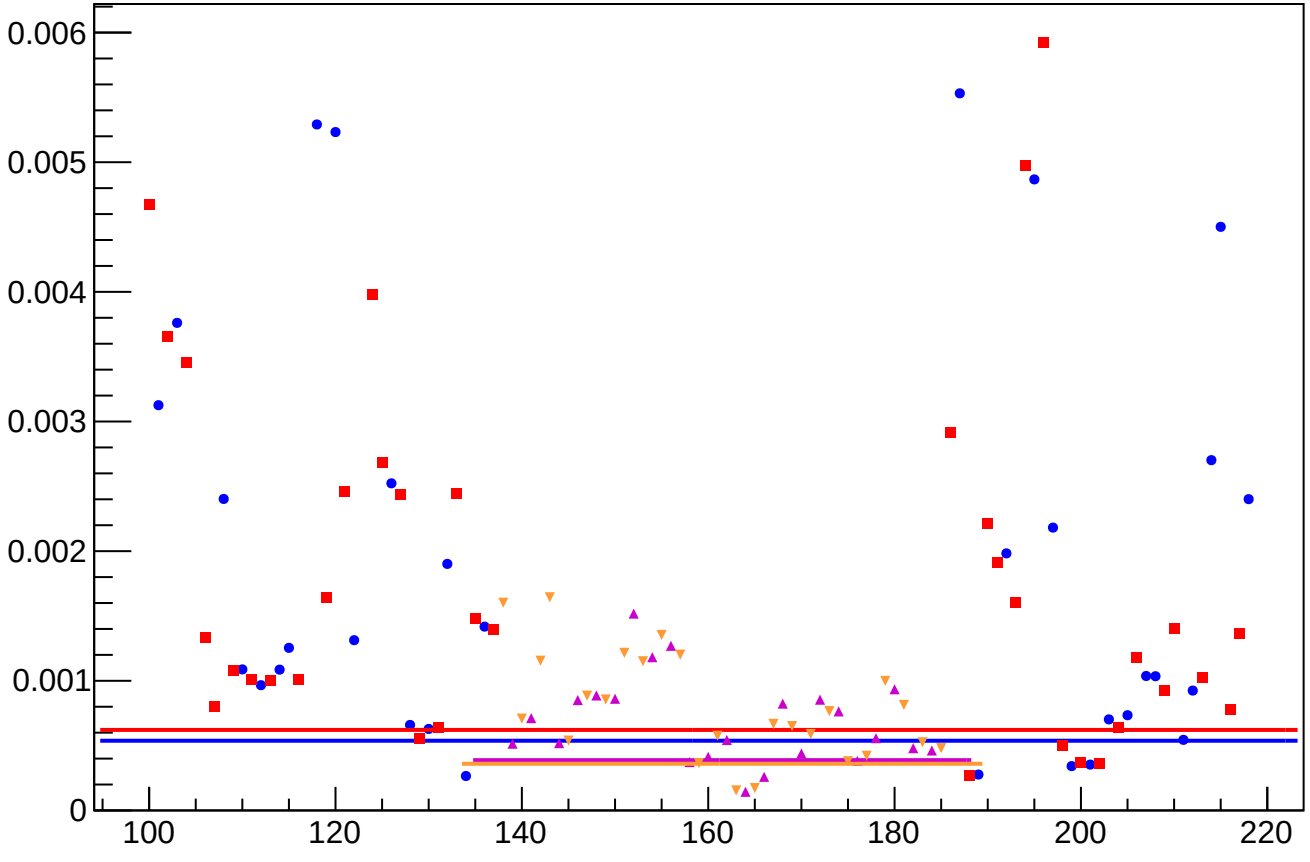
In: 16.373+/-0.002 χ^2/NDF:13440789.4/54

Out: 15.133+/-0.002 χ^2/NDF:19583034.6/60

All: 15.728+/-0.002 χ^2/NDF: 33176793.5/115


asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
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: 52.8/31
Left Out: 0.000+/-0.000 χ²/NDF:61.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 46.1/35
Left In: -0.000+/-0.000 χ²/NDF:24.5/22
Left: 0.000+/-0.000 χ²/NDF: 88.8/47
Right: -0.000+/-0.000 χ²/NDF: 99.0/67
In: -0.000+/-0.000 χ²/NDF:77.5/54
Out: 0.000+/-0.000 χ²/NDF:109.3/60
All: -0.000+/-0.000 χ²/NDF: 189.6/115

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: 13477698.1/35

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

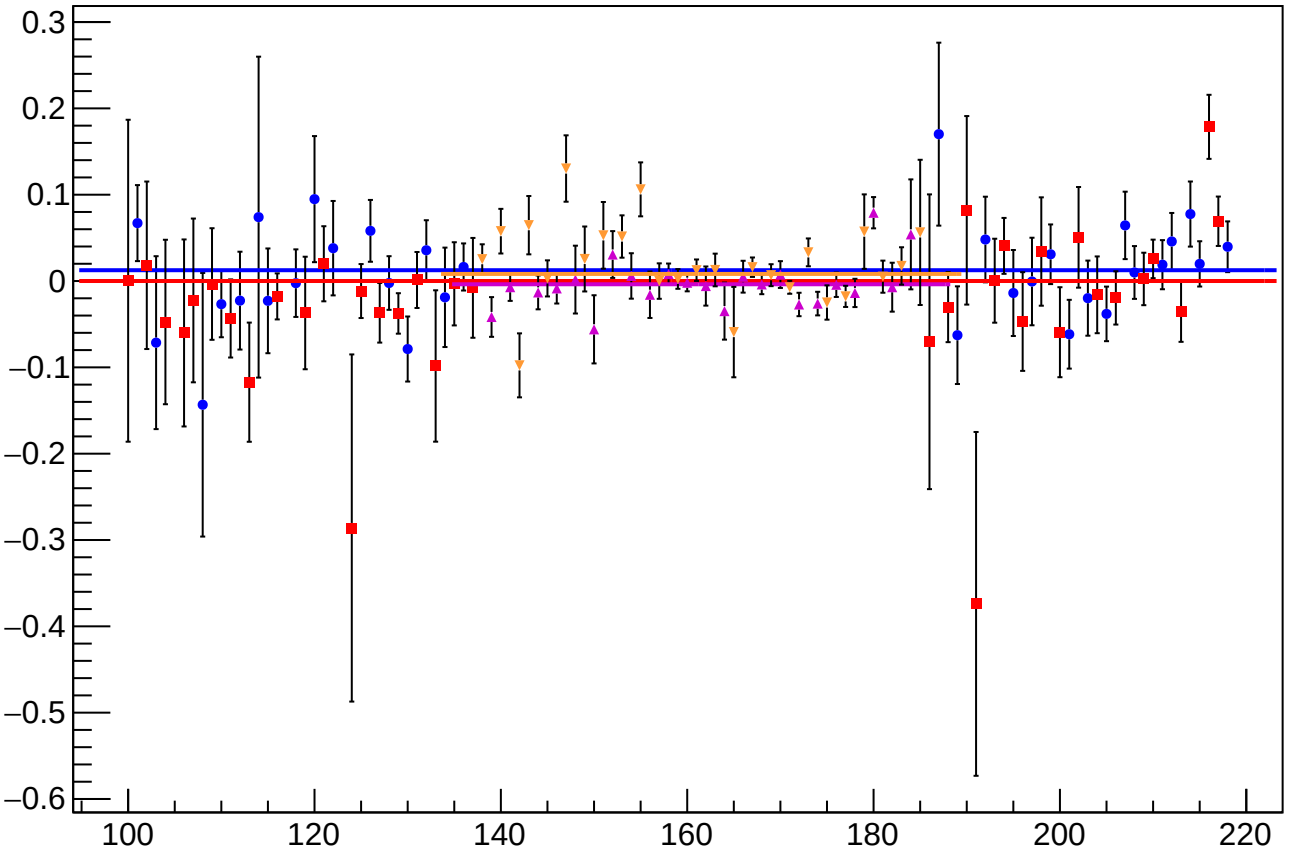
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 29748183.1/67

In: 0.000+/-0.000 χ^2/NDF:27613657.4/54

Out: 0.000+/-0.000 χ^2/NDF:30407971.9/60

All: 0.000+/-0.000 χ^2/NDF: 58041419.1/115



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: 53.9/35

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

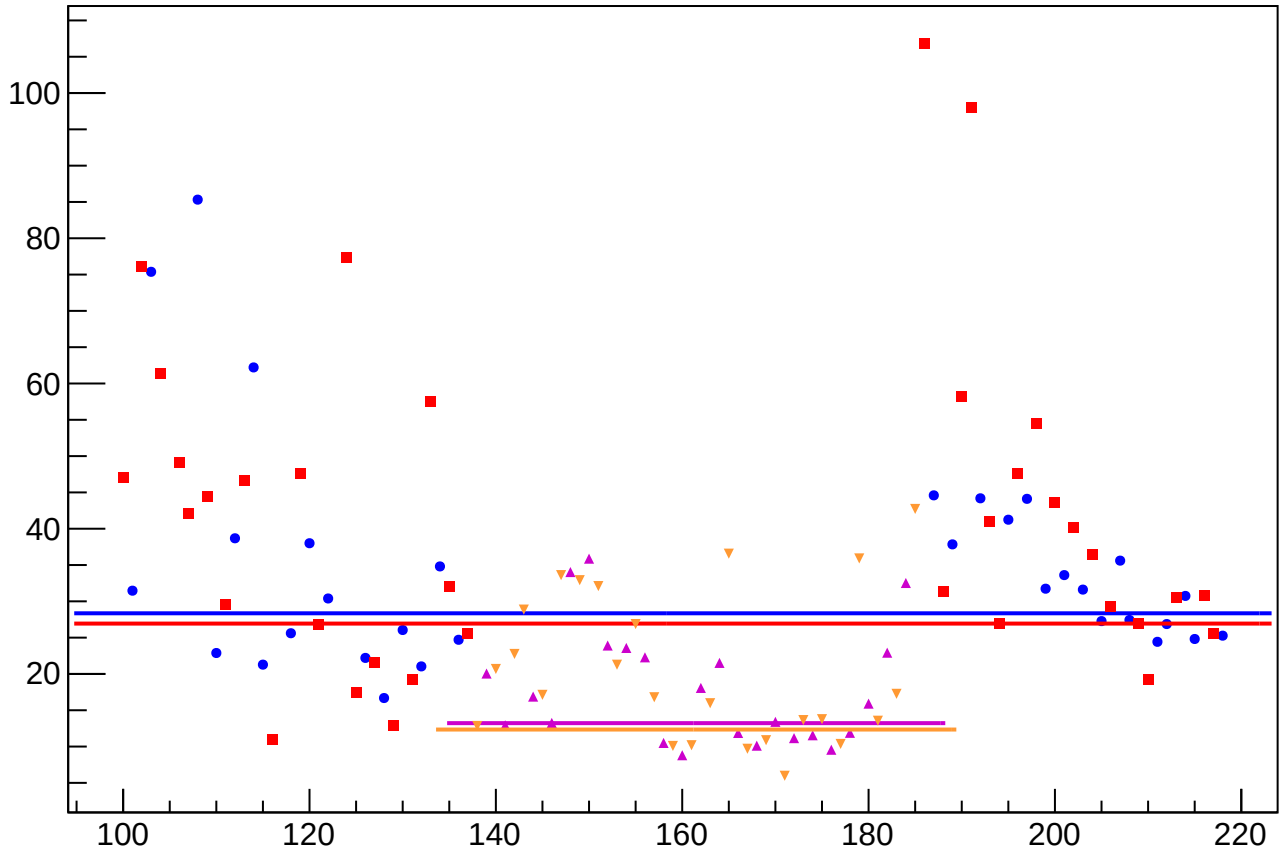
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: 0.006+/-0.005 χ^2/NDF: 89.2/67

In: -0.000+/-0.003 χ^2/NDF:75.1/54

Out: 0.007+/-0.003 χ^2/NDF:113.8/60

All: 0.003+/-0.002 χ^2/NDF: 191.3/115



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: 26.936+/-0.005 χ^2/NDF: 6013846.1/35

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

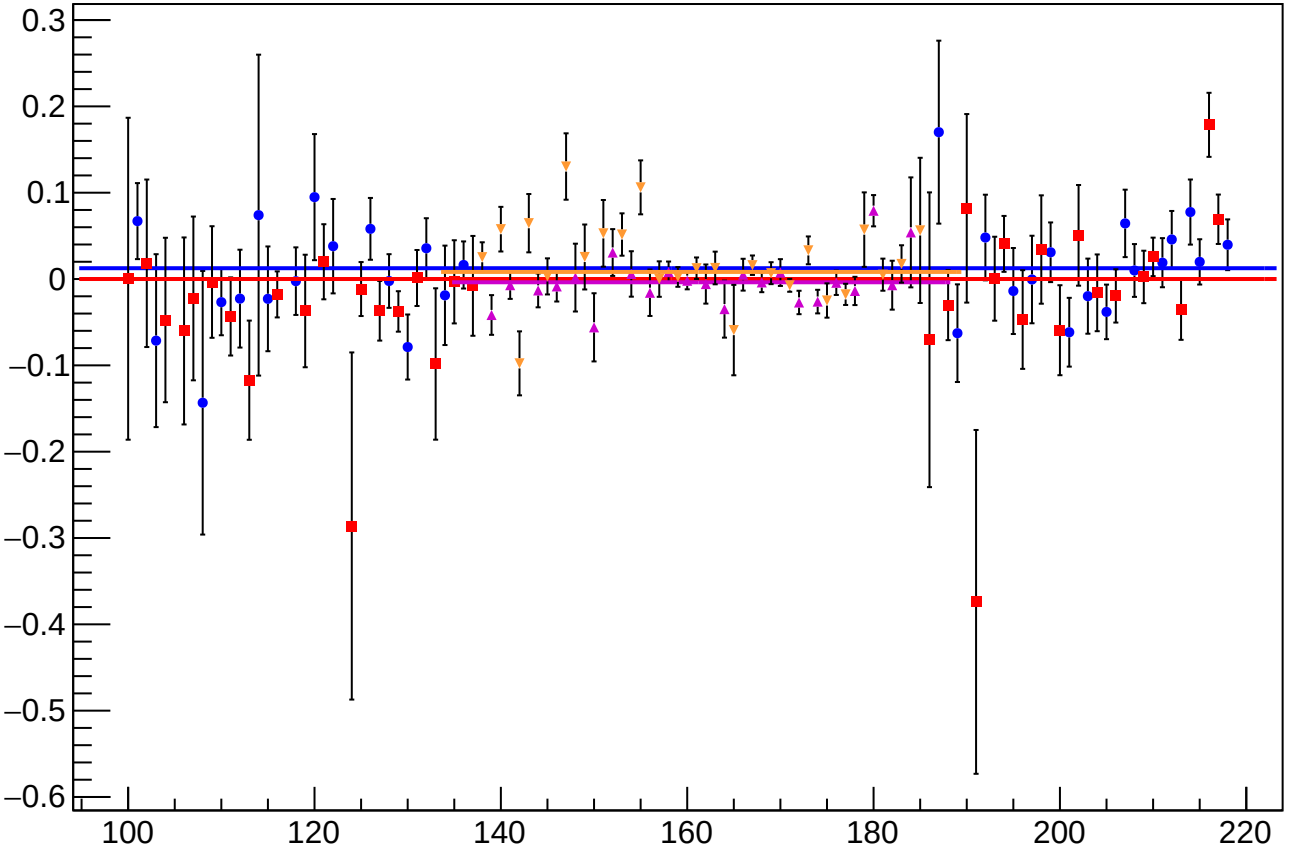
Right: 27.646+/-0.004 χ^2/NDF: 8410333.2/67

In: 16.373+/-0.002 χ^2/NDF:13441113.9/54

Out: 15.133+/-0.002 χ^2/NDF:19583201.3/60

All: 15.728+/-0.002 χ^2/NDF: 33177270.2/115

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: 53.9/35

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

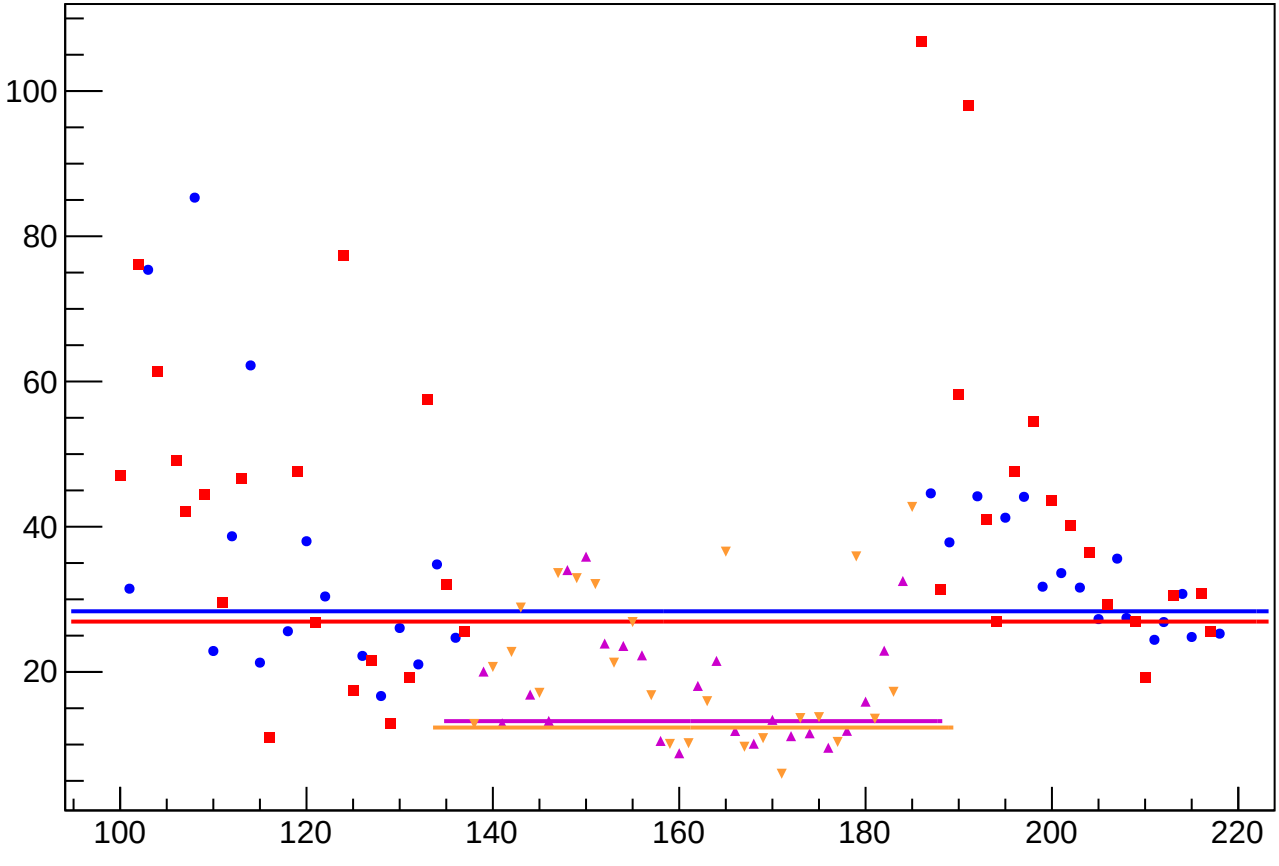
Right: 0.006+/-0.005 χ^2/NDF: 89.2/67

In: -0.000+/-0.003 χ^2/NDF:75.1/54

Out: 0.007+/-0.003 χ^2/NDF:113.8/60

All: 0.003+/-0.002 χ^2/NDF: 191.3/115

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: 26.936+/-0.005 χ^2/NDF: 6013846.1/35

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

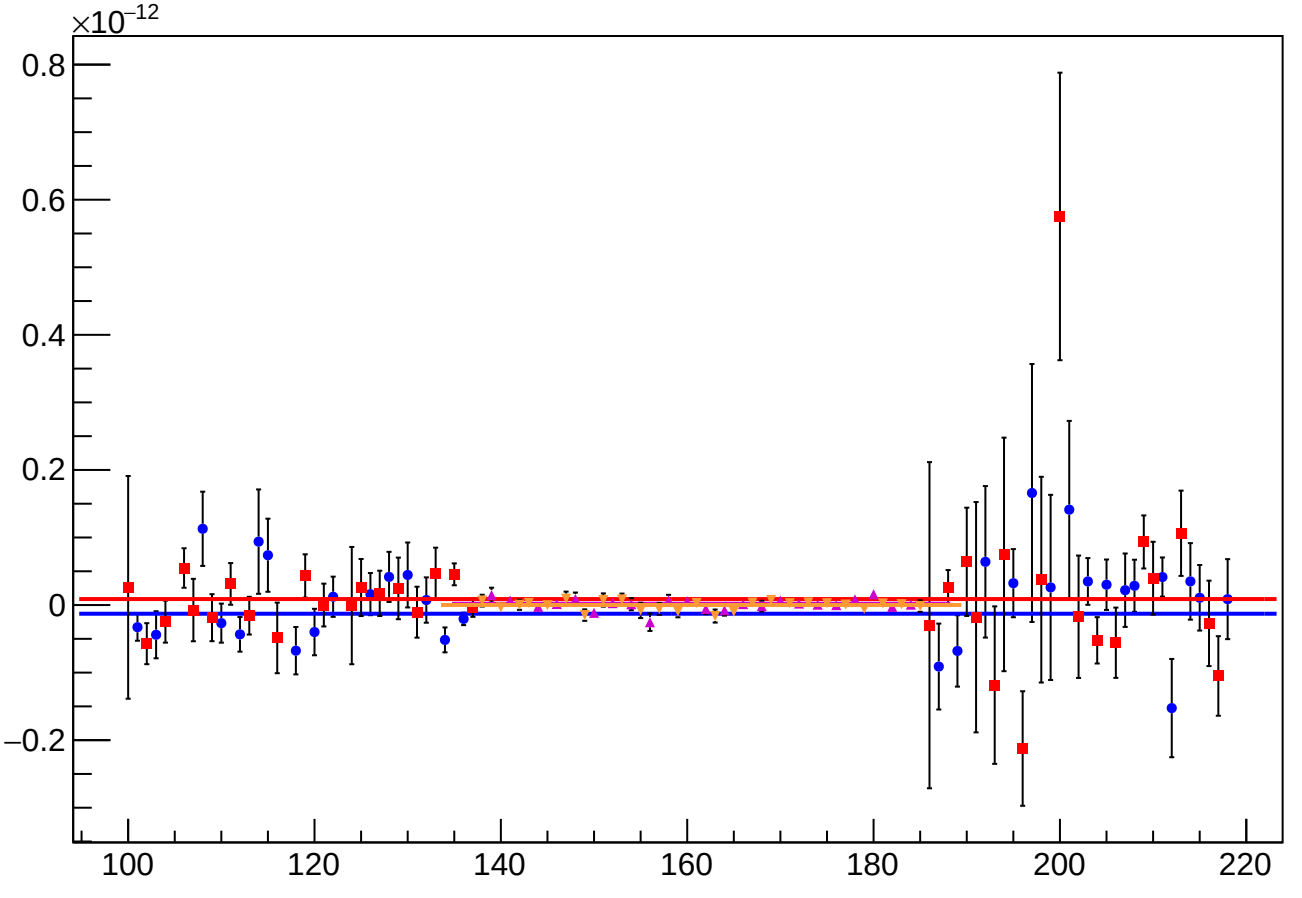
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 27.646+/-0.004 χ^2/NDF: 8410333.2/67

In: 16.373+/-0.002 χ^2/NDF:13441113.9/54

Out: 15.133+/-0.002 χ^2/NDF:19583201.3/60

All: 15.728+/-0.002 χ^2/NDF: 33177270.2/115



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: 52.8/35

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

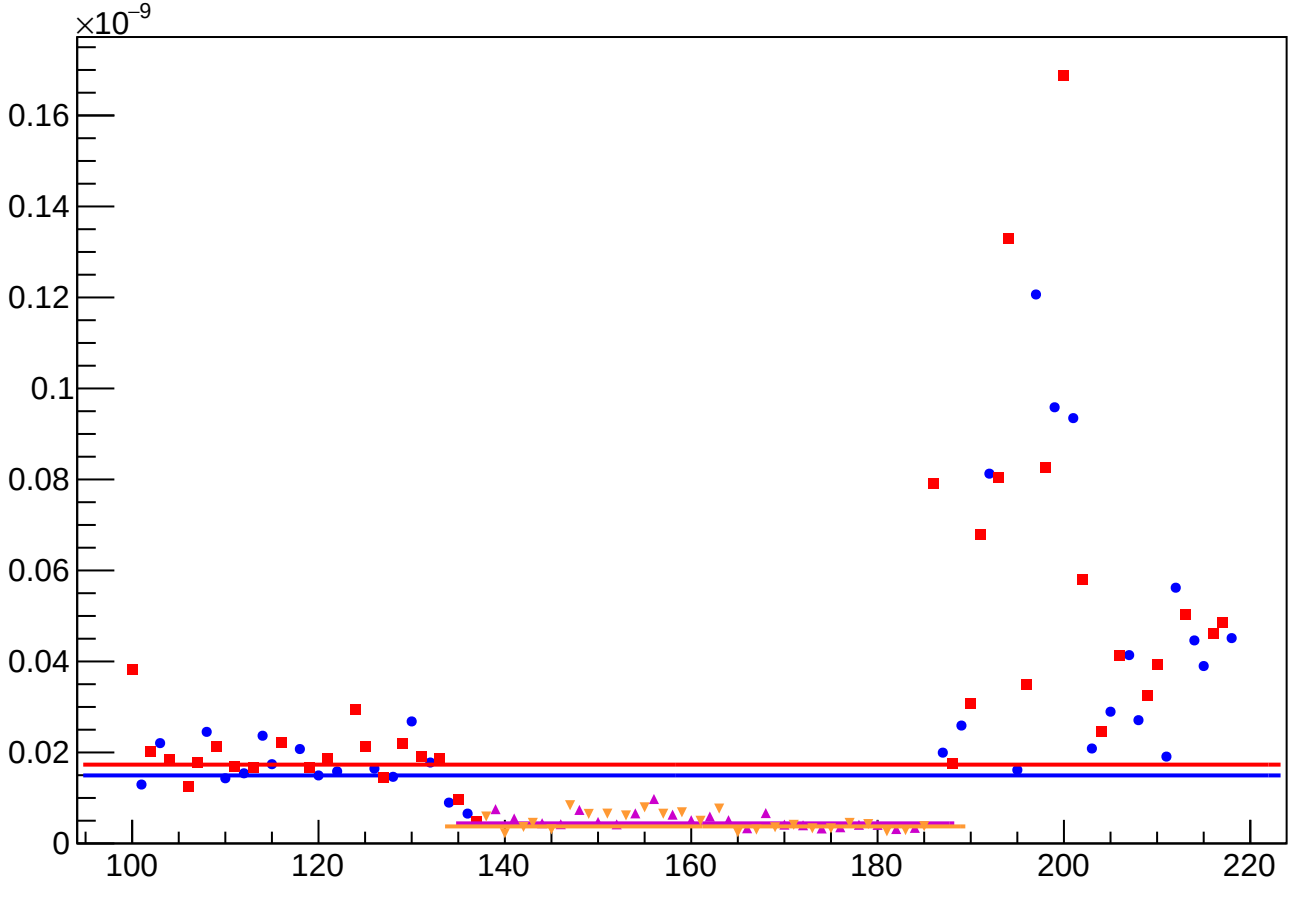
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 106.0/67

In: 0.000+/-0.000 χ^2/NDF:78.5/54

Out: 0.000+/-0.000 χ^2/NDF:76.3/60

All: 0.000+/-0.000 χ^2/NDF: 155.0/115



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: 8716247.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

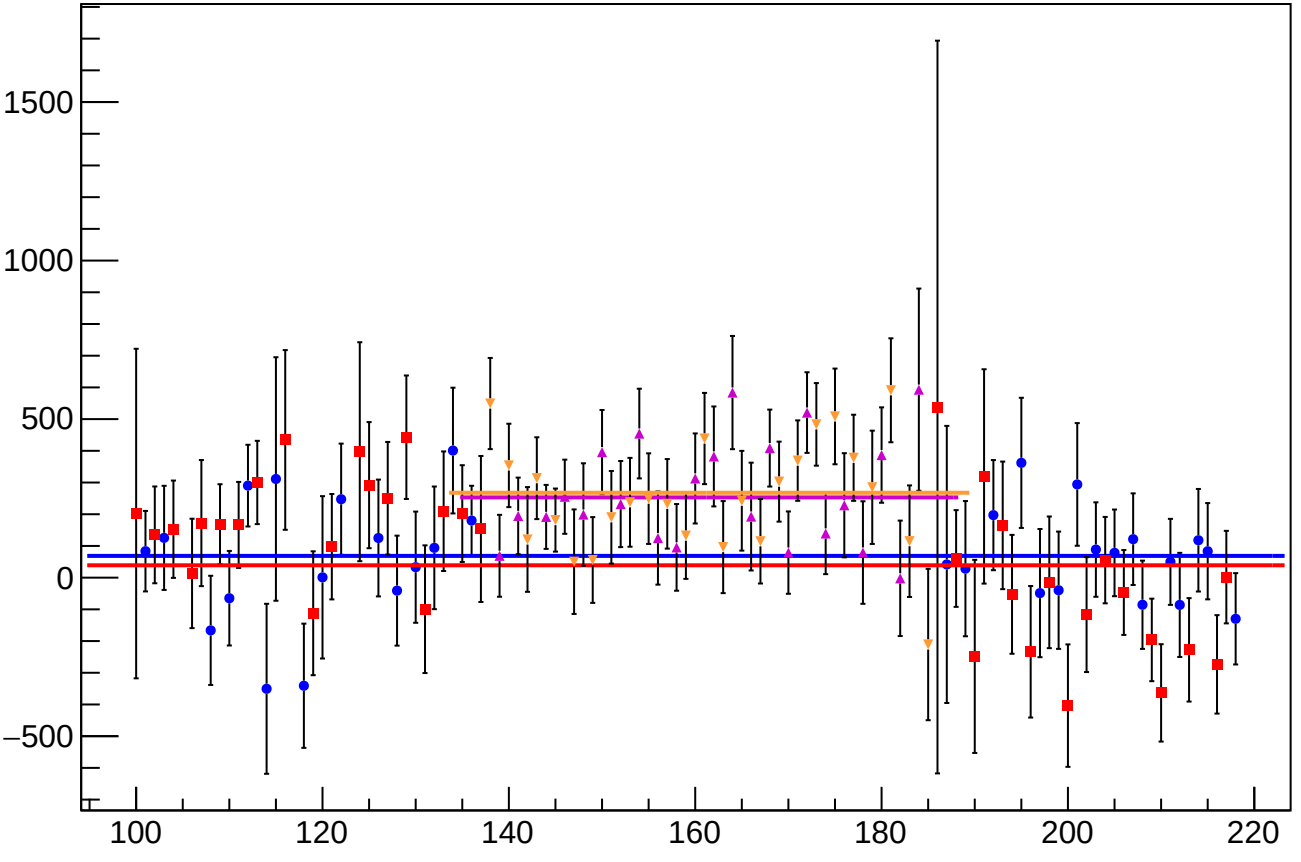
Right: 0.000+/-0.000 χ^2/NDF: 17228117.7/67

In: 0.000+/-0.000 χ^2/NDF:17140886.2/54

Out: 0.000+/-0.000 χ^2/NDF:21382474.3/60

All: 0.000+/-0.000 χ^2/NDF: 38934734.1/115

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: 38.979+/-29.337 χ^2/NDF: 48.7/35

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

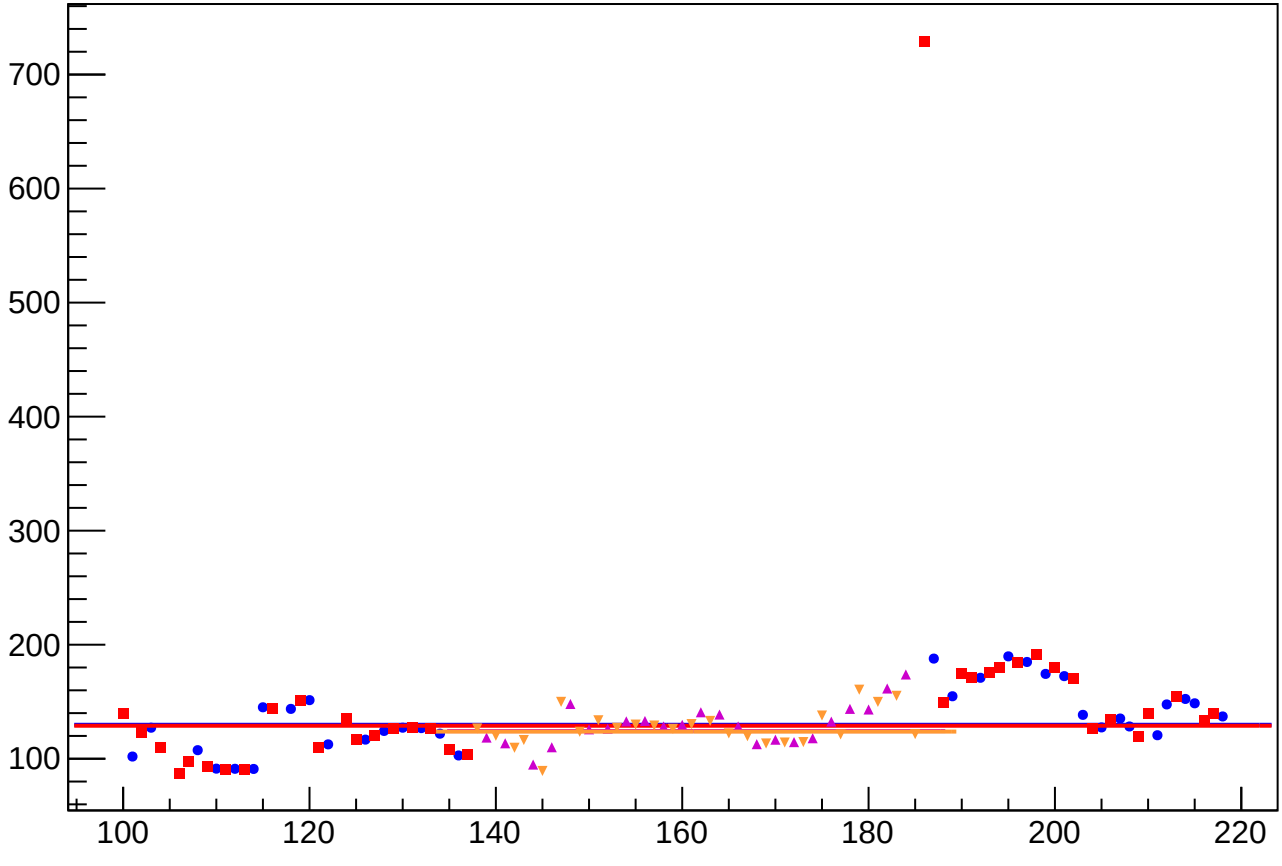
Right: 53.712+/-20.810 χ^2/NDF: 76.7/67

In: 161.499+/-20.801 χ^2/NDF:73.3/54

Out: 157.063+/-20.408 χ^2/NDF:111.1/60

All: 159.239+/-14.568 χ^2/NDF: 184.4/115

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: 128.943+/-0.021 χ^2/NDF: 2398426.4/35

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

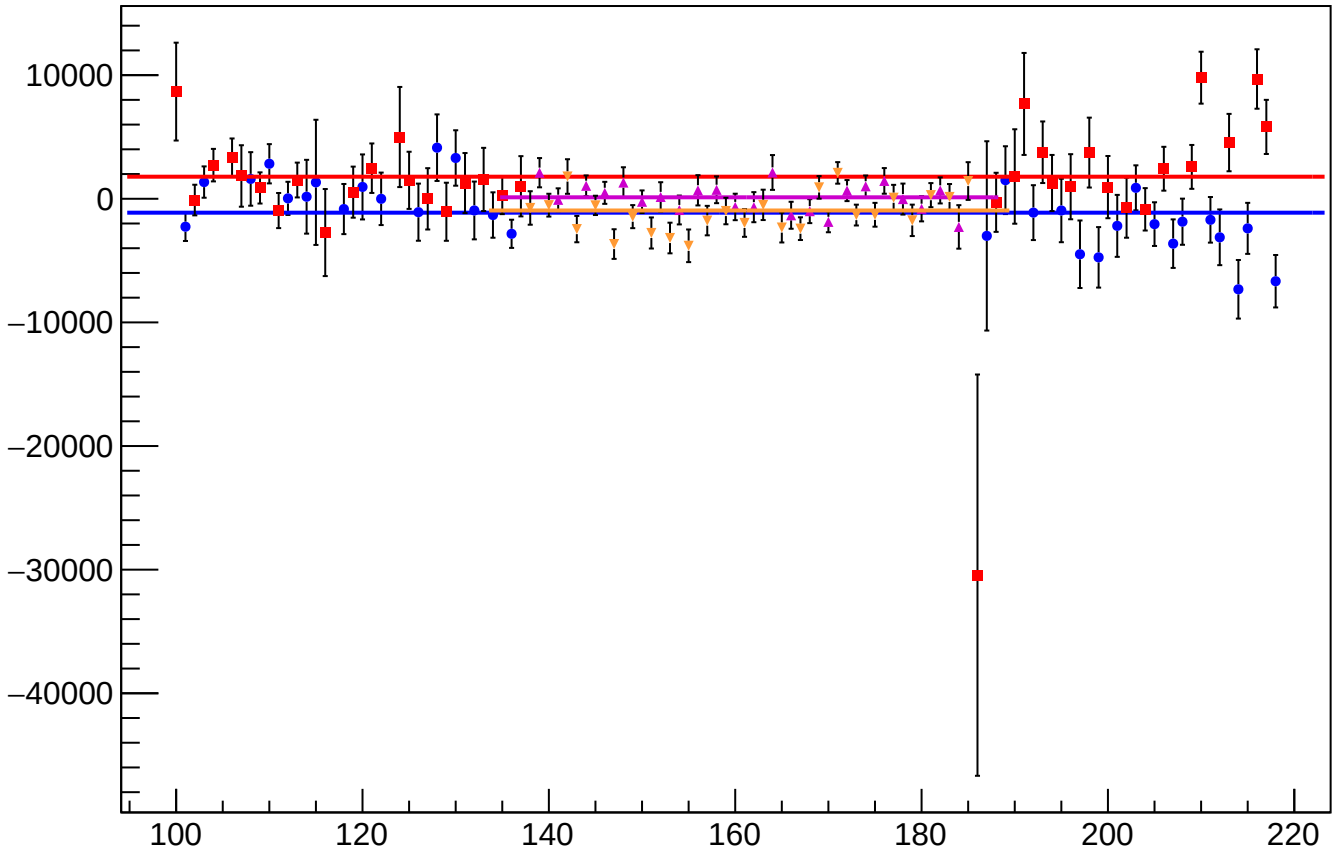
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 129.357+/-0.015 χ^2/NDF: 3893847.1/67

In: 126.998+/-0.015 χ^2/NDF:2087012.1/54

Out: 126.292+/-0.014 χ^2/NDF:3028495.4/60

All: 126.638+/-0.010 χ^2/NDF: 5116680.5/115



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: 1785.282+/-340.684 χ^2/NDF: 59.1/35

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

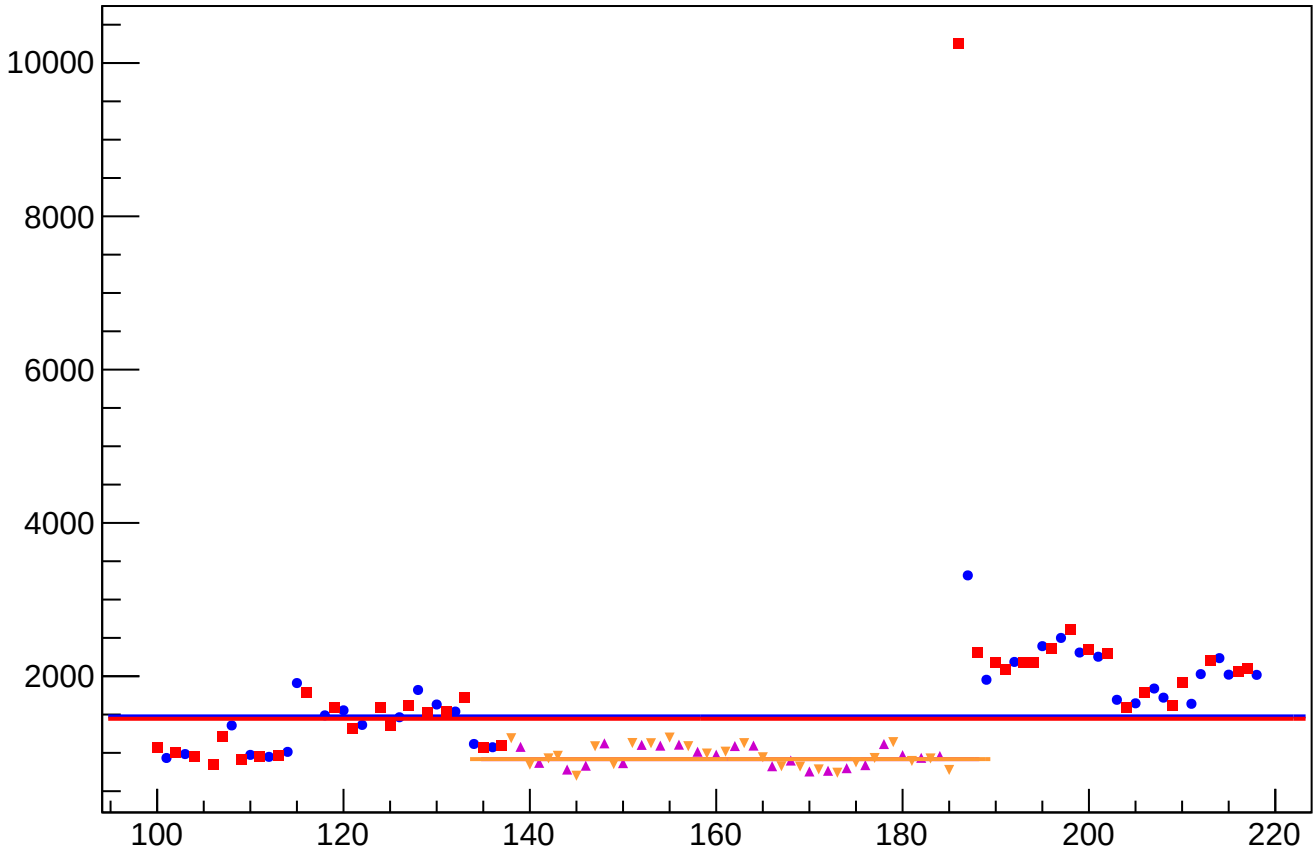
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 354.119+/-242.896 χ^2/NDF: 142.7/67

In: -232.523+/-183.997 χ^2/NDF:81.4/54

Out: -185.904+/-179.869 χ^2/NDF:155.7/60

All: -208.685+/-128.621 χ^2/NDF: 237.1/115



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: 1444.777+/-0.241 χ^2/NDF: 5125750.3/35

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

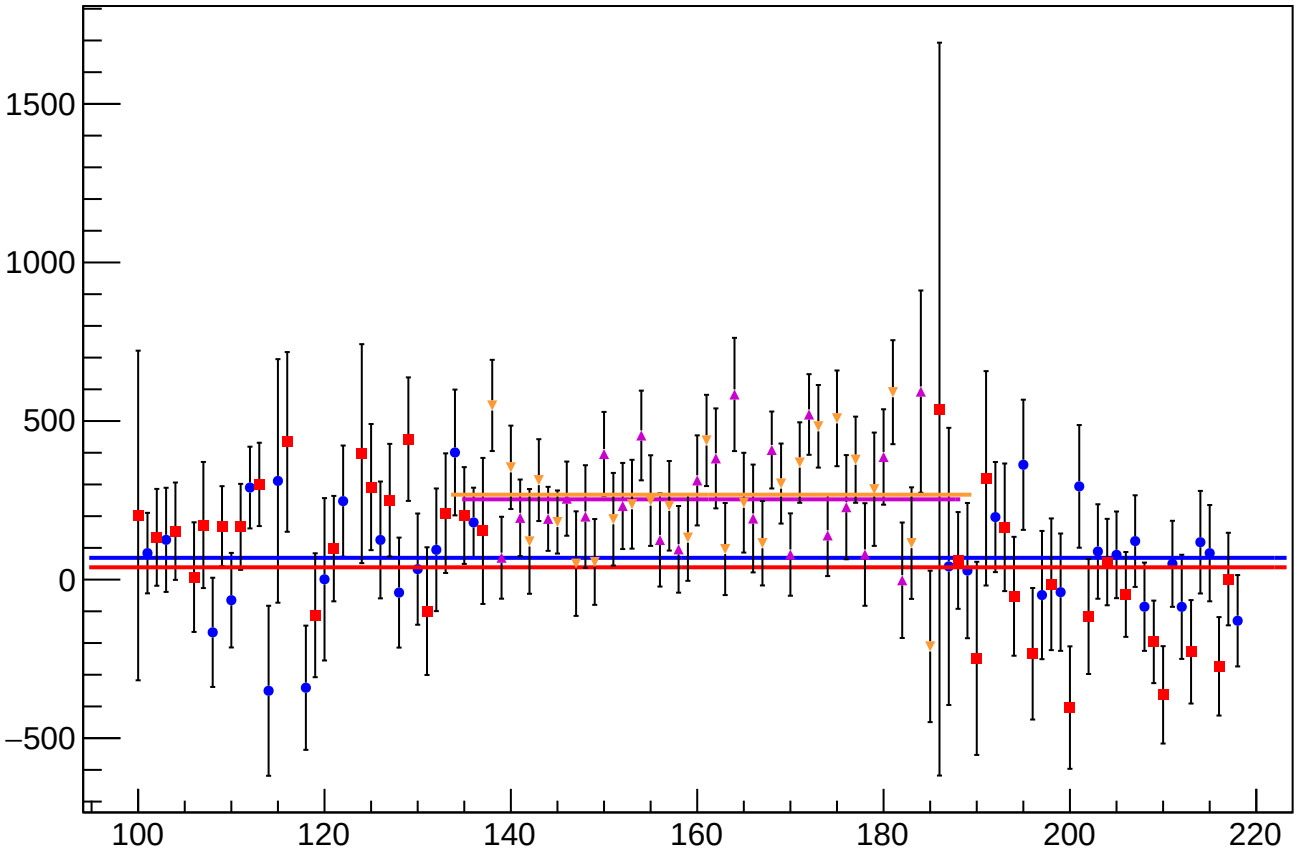
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1460.006+/-0.172 χ^2/NDF: 8935822.4/67

In: 1075.518+/-0.130 χ^2/NDF:8187515.3/54

Out: 1065.199+/-0.127 χ^2/NDF:9455808.4/60

All: 1070.241+/-0.091 χ^2/NDF: 17646540.3/1



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: 38.764+/-29.339 χ^2/NDF: 48.7/35

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

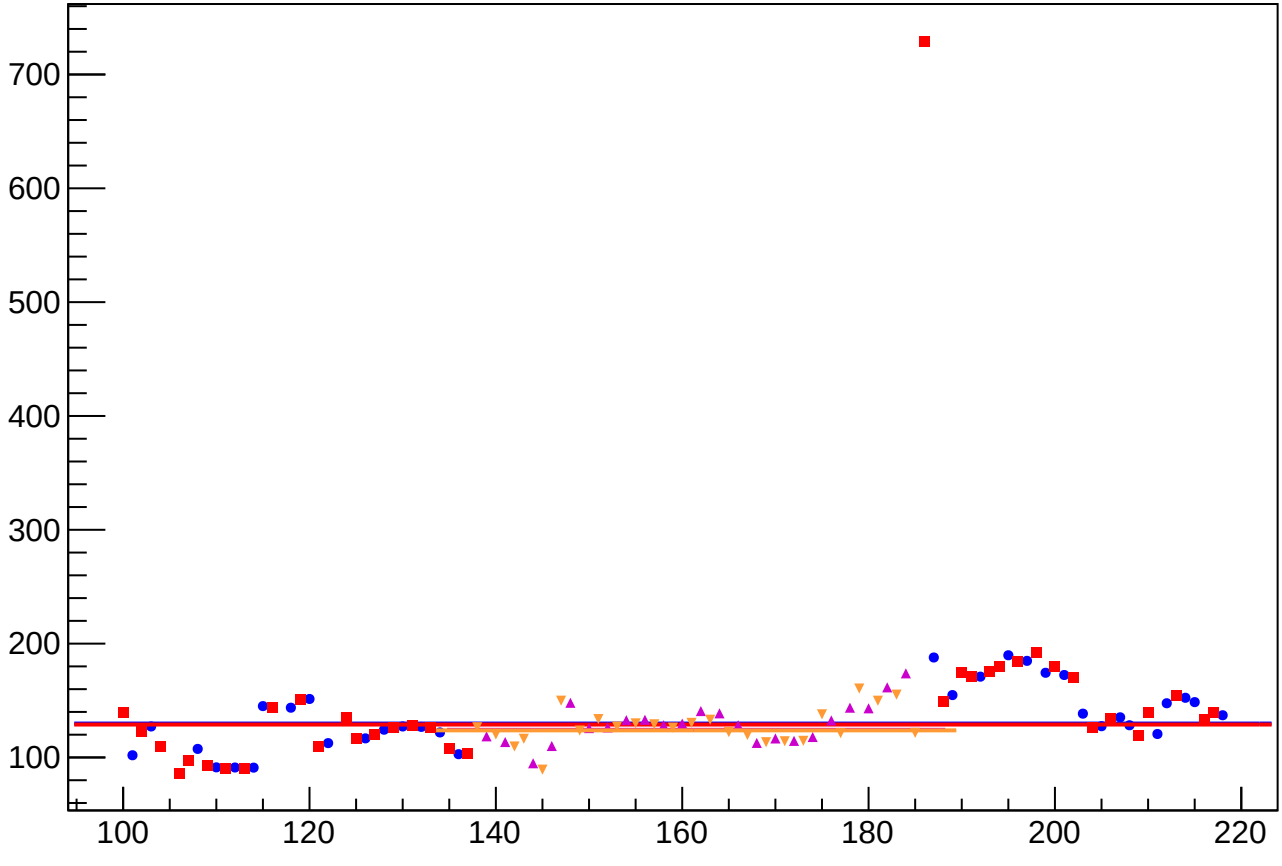
Right: 53.603+/-20.811 χ^2/NDF: 76.7/67

In: 161.498+/-20.801 χ^2/NDF:73.3/54

Out: 156.971+/-20.409 χ^2/NDF:111.2/60

All: 159.192+/-14.568 χ^2/NDF: 184.5/115

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: 128.916+/-0.021 χ^2/NDF: 2404454.1/35

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

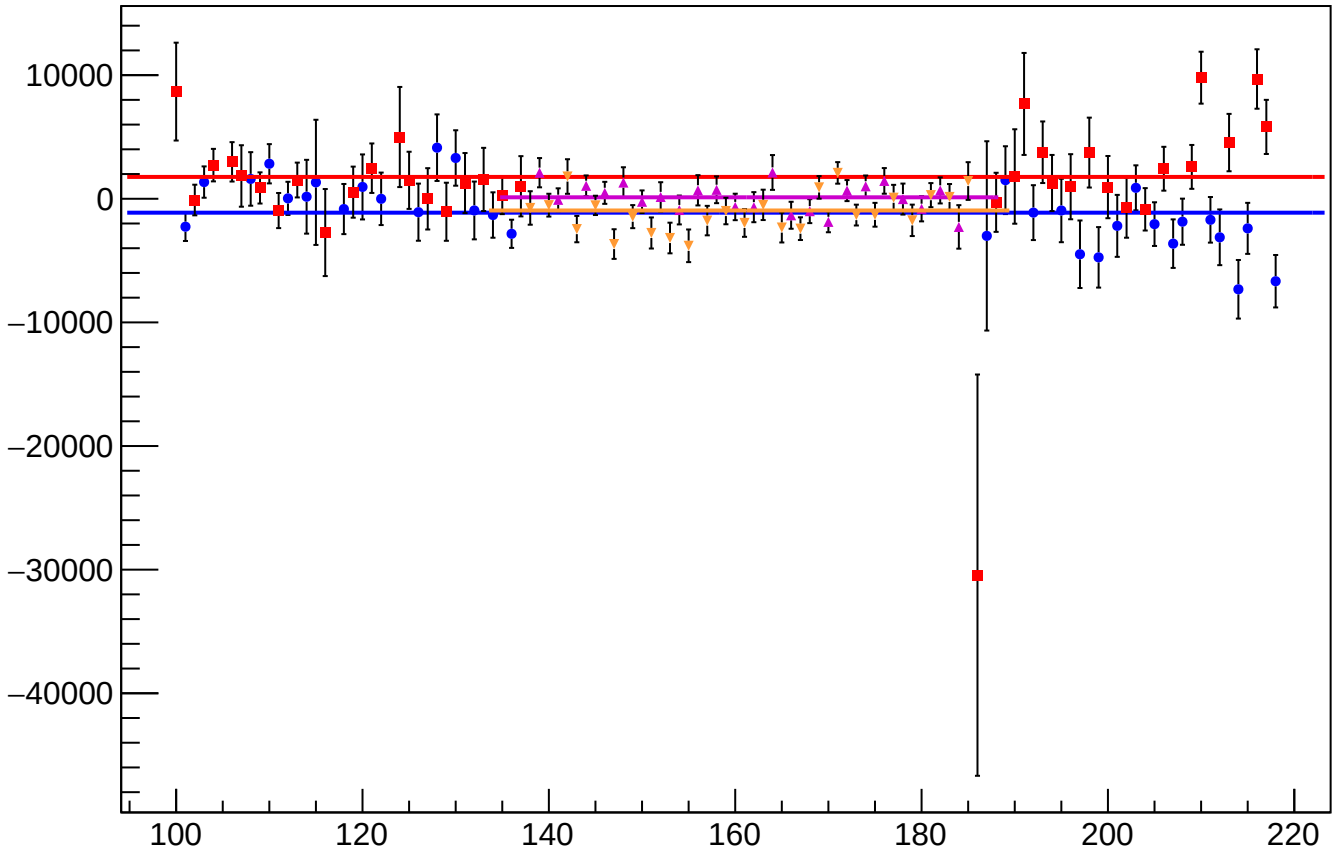
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 129.344+/-0.015 χ^2/NDF: 3899926.3/67

In: 126.998+/-0.015 χ^2/NDF:2087012.1/54

Out: 126.279+/-0.014 χ^2/NDF:3034196.0/60

All: 126.632+/-0.010 χ^2/NDF: 5122424.7/115



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: 1766.873+/-341.067 χ^2/NDF: 58.6/35

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

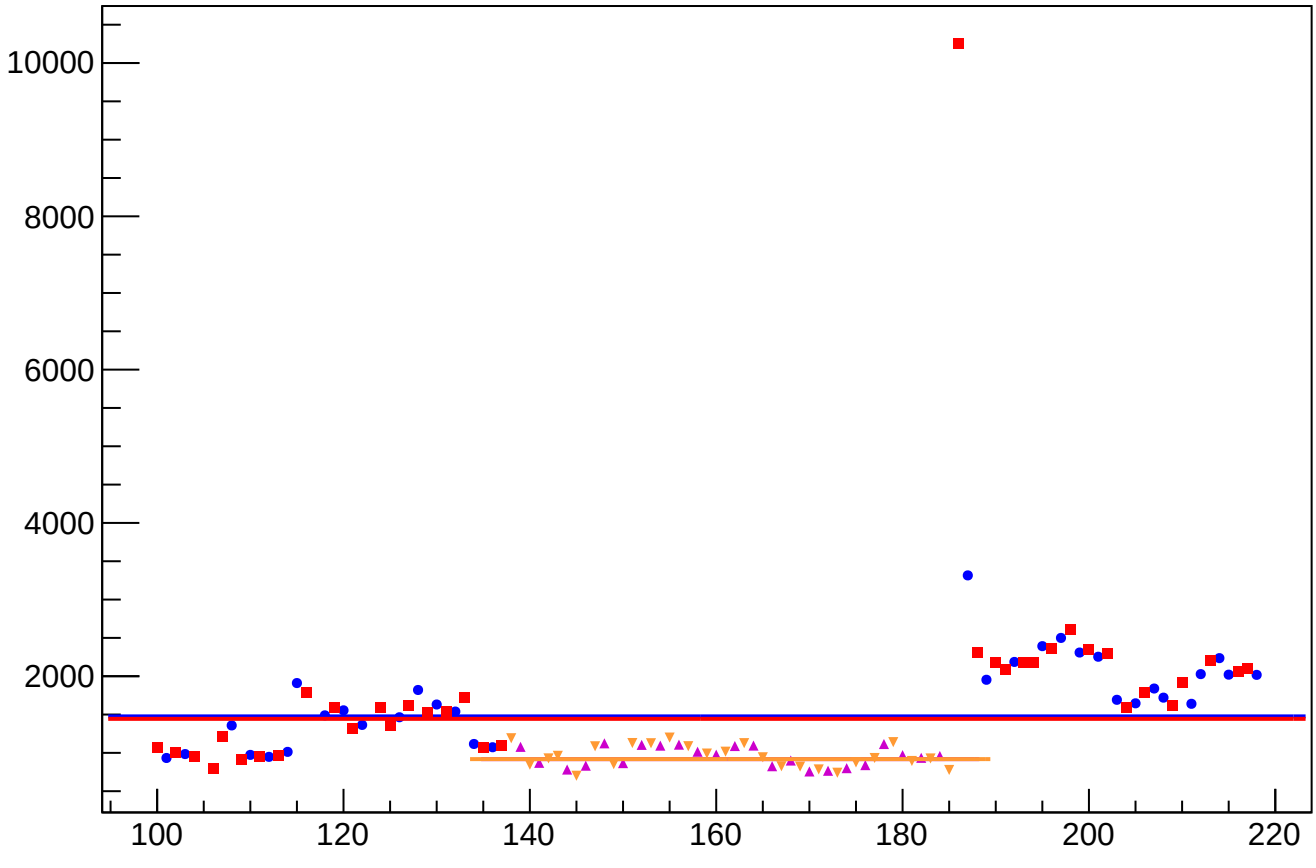
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 343.111+/-243.035 χ^2/NDF: 141.8/67

In: -232.536+/-183.997 χ^2/NDF:81.4/54

Out: -192.255+/-179.926 χ^2/NDF:154.6/60

All: -211.945+/-128.642 χ^2/NDF: 236.0/115



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: 1443.823+/-0.241 χ^2/NDF: 5161324.6/35

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

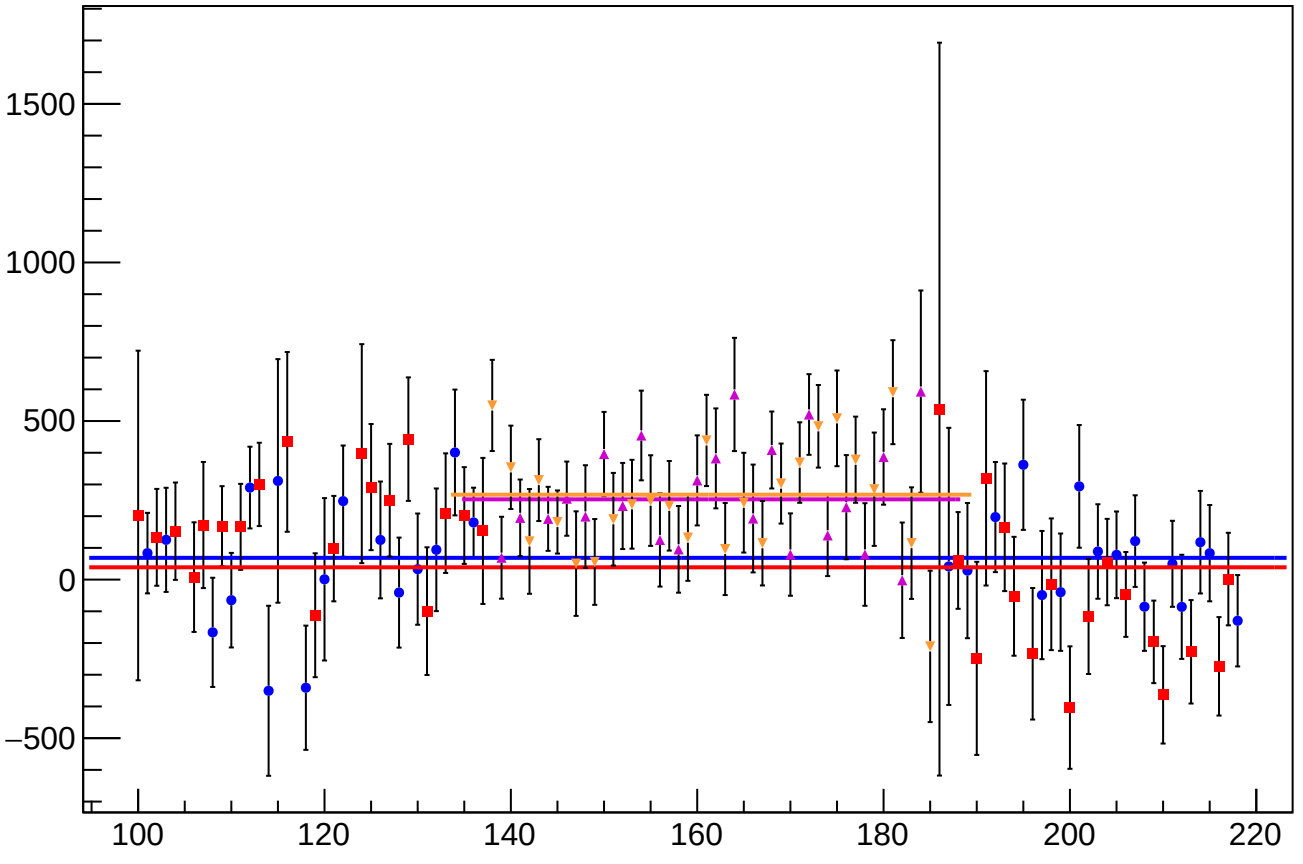
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1459.544+/-0.172 χ^2/NDF: 8971793.7/67

In: 1075.520+/-0.130 χ^2/NDF:8187500.2/54

Out: 1064.696+/-0.127 χ^2/NDF:9473350.7/60

All: 1069.987+/-0.091 χ^2/NDF: 17664388.9/1



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: 38.764+/-29.339 χ^2/NDF: 48.7/35

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

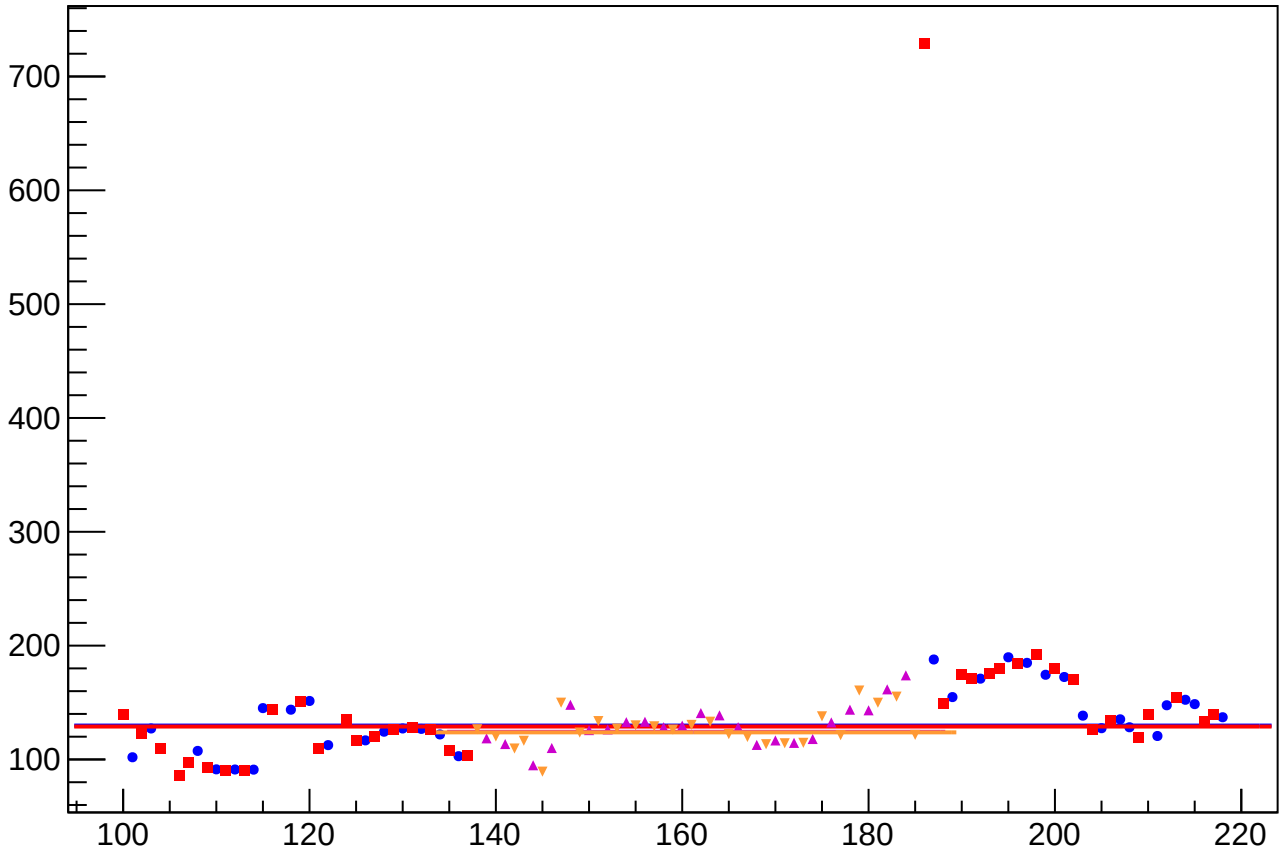
Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

Right: 53.603+/-20.811 χ^2/NDF: 76.7/67

In: 161.498+/-20.801 χ^2/NDF:73.3/54

Out: 156.971+/-20.409 χ^2/NDF:111.2/60

All: 159.192+/-14.568 χ^2/NDF: 184.5/115



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: 128.916+/-0.021 χ^2/NDF: 2404454.1/35

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

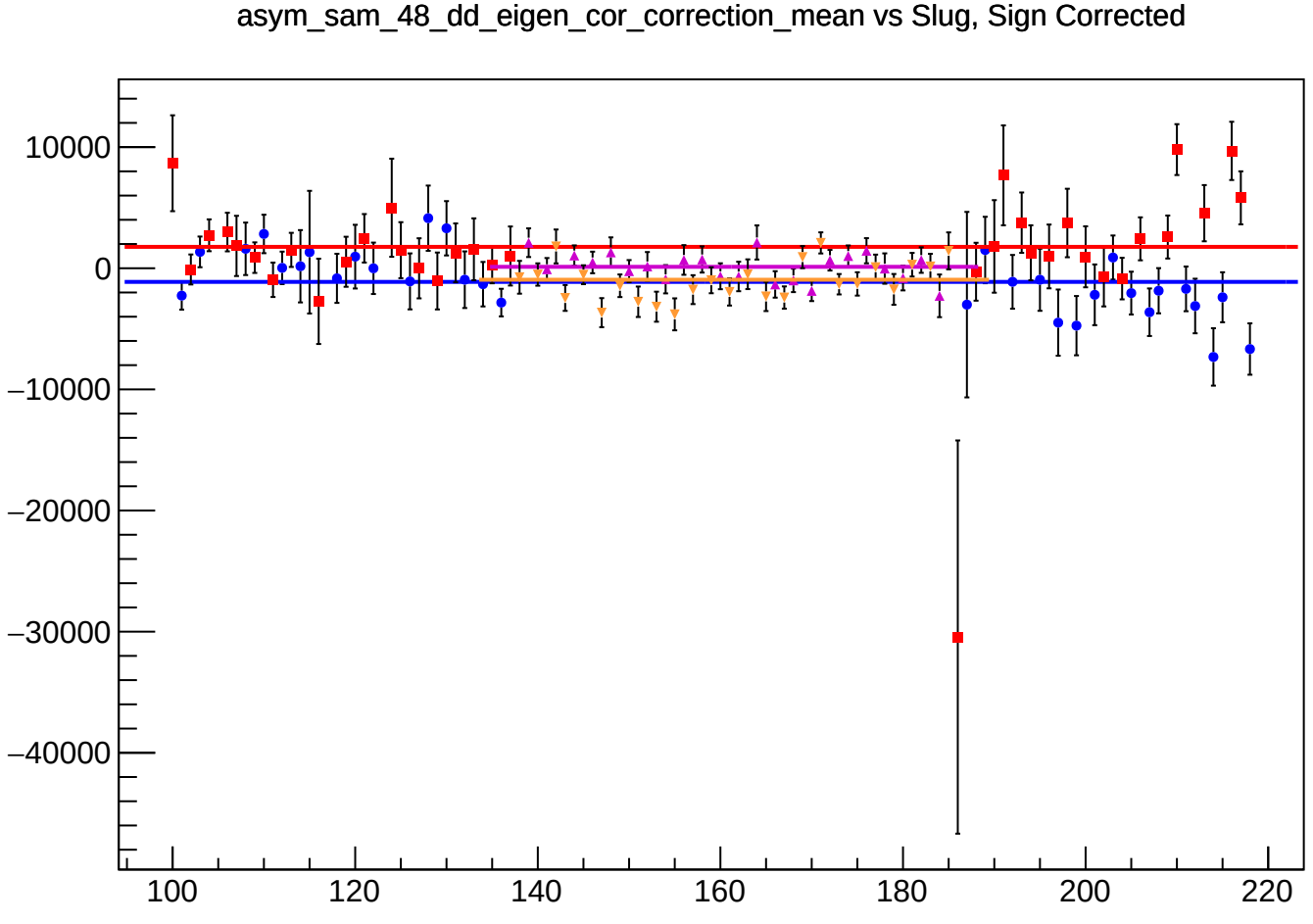
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 129.344+/-0.015 χ^2/NDF: 3899926.3/67

In: 126.998+/-0.015 χ^2/NDF:2087012.1/54

Out: 126.279+/-0.014 χ^2/NDF:3034196.0/60

All: 126.632+/-0.010 χ^2/NDF: 5122424.7/115



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: 1766.873+/-341.067 χ^2/NDF: 58.6/35

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

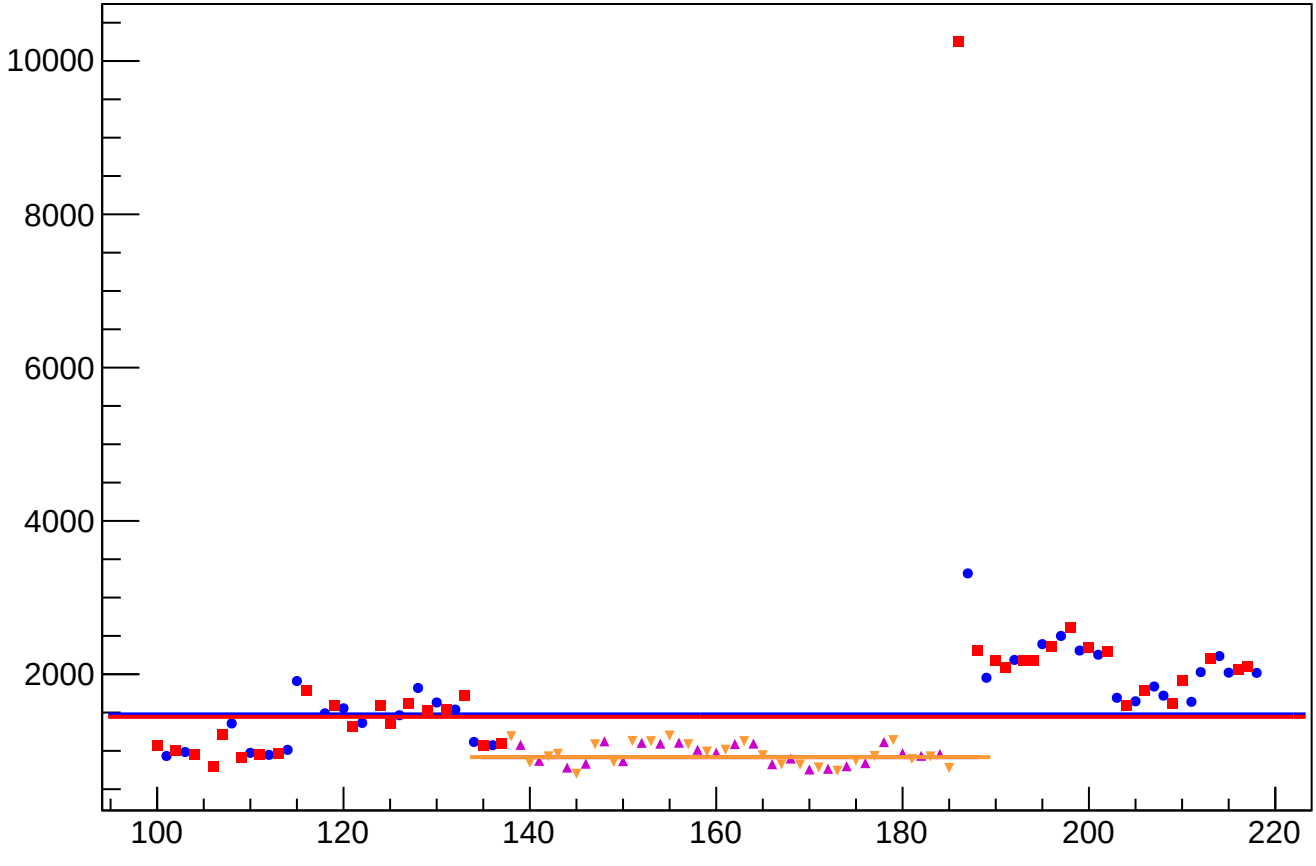
Right: 343.111+/-243.035 χ^2/NDF: 141.8/67

In: -232.536+/-183.997 χ^2/NDF:81.4/54

Out: -192.255+/-179.926 χ^2/NDF:154.6/60

All: -211.945+/-128.642 χ^2/NDF: 236.0/115

asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1443.823+/-0.241 χ^2/NDF: 5161324.6/35

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

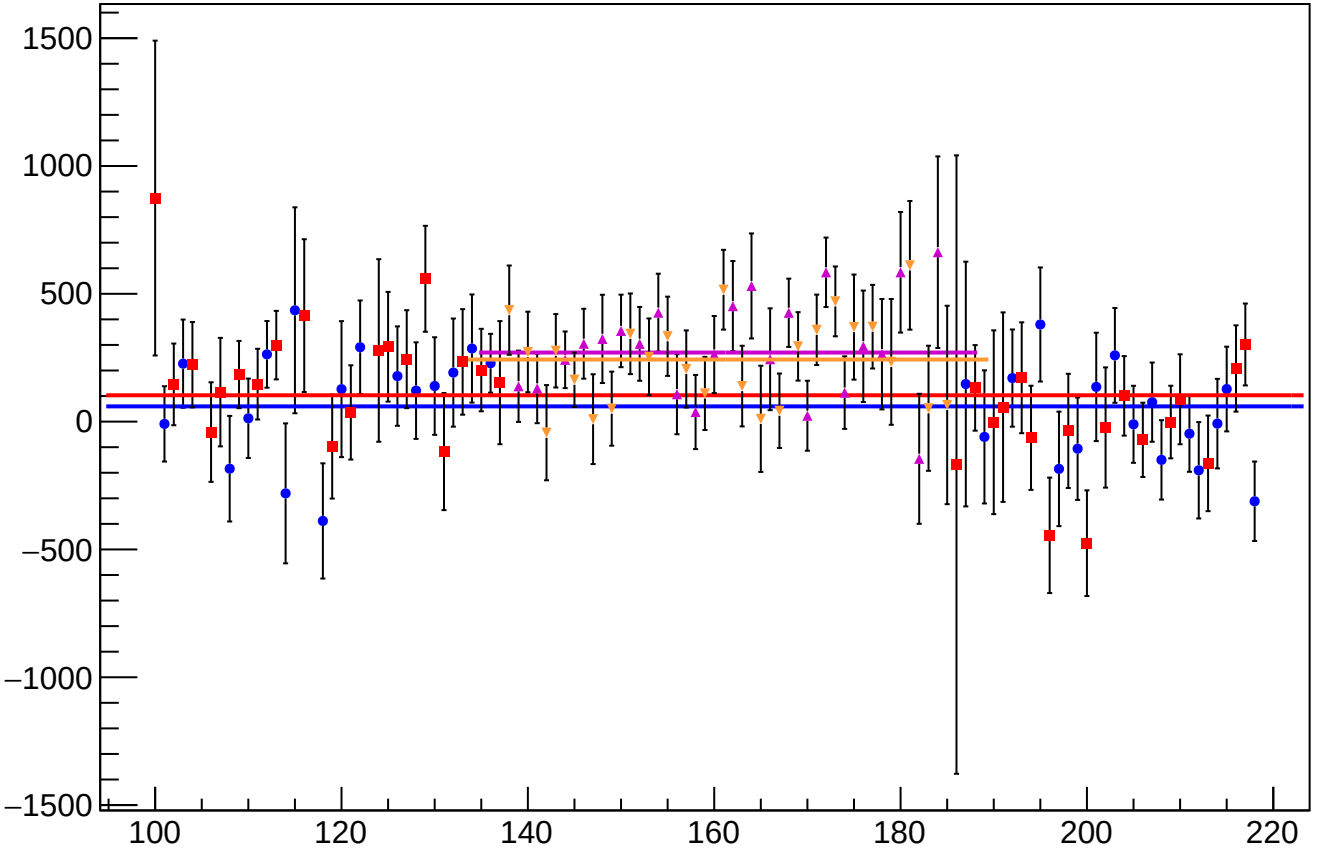
Right: 1459.544+/-0.172 χ^2/NDF: 8971793.7/67

In: 1075.520+/-0.130 χ^2/NDF:8187500.2/54

Out: 1064.696+/-0.127 χ^2/NDF:9473350.7/60

All: 1069.987+/-0.091 χ^2/NDF: 17664388.9/1

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: 103.125+/-31.840 χ^2/NDF: 37.0/35

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

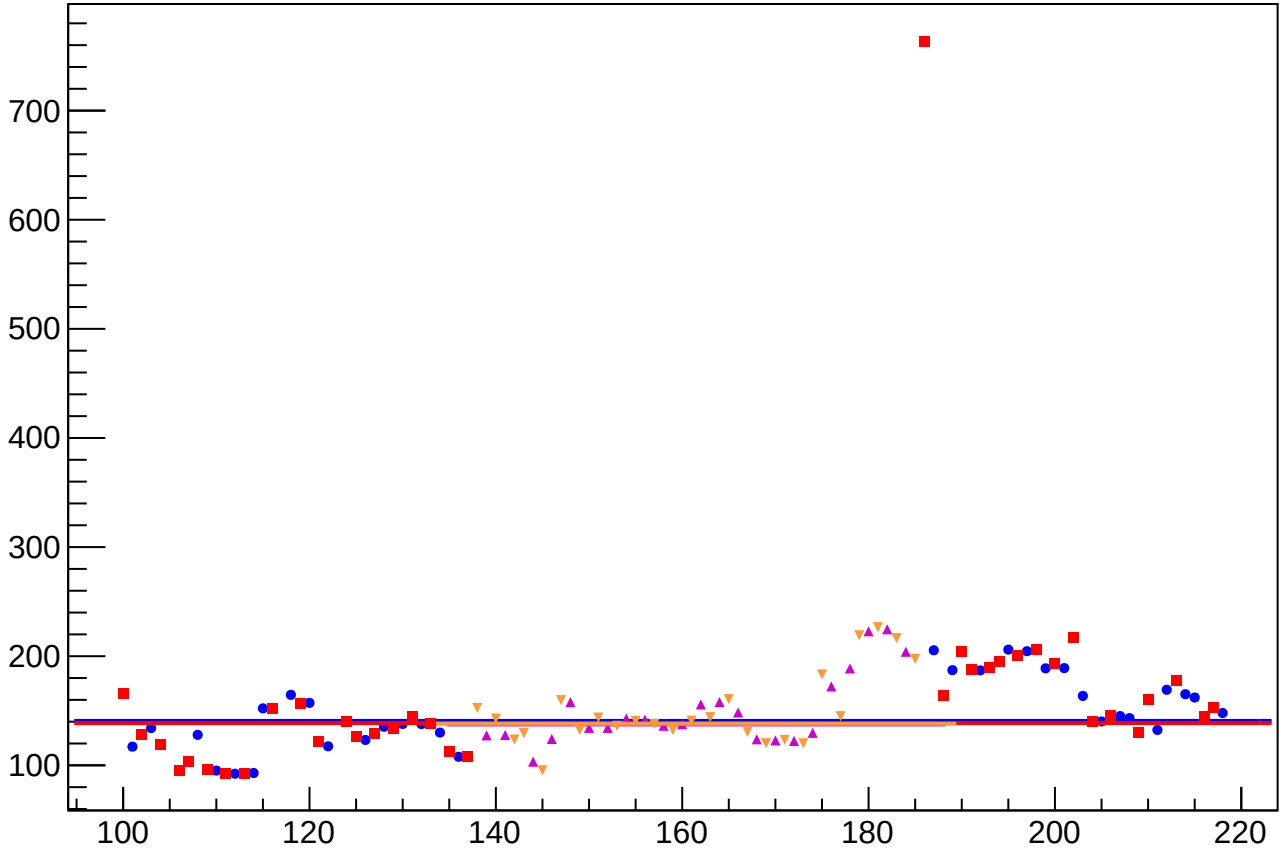
Right: 81.646+/-22.652 χ^2/NDF: 71.5/67

In: 162.803+/-23.022 χ^2/NDF:81.2/54

Out: 172.354+/-22.619 χ^2/NDF:70.2/60

All: 167.663+/-16.135 χ^2/NDF: 151.5/115

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: 138.734+/-0.023 χ^2/NDF: 2781208.7/35

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

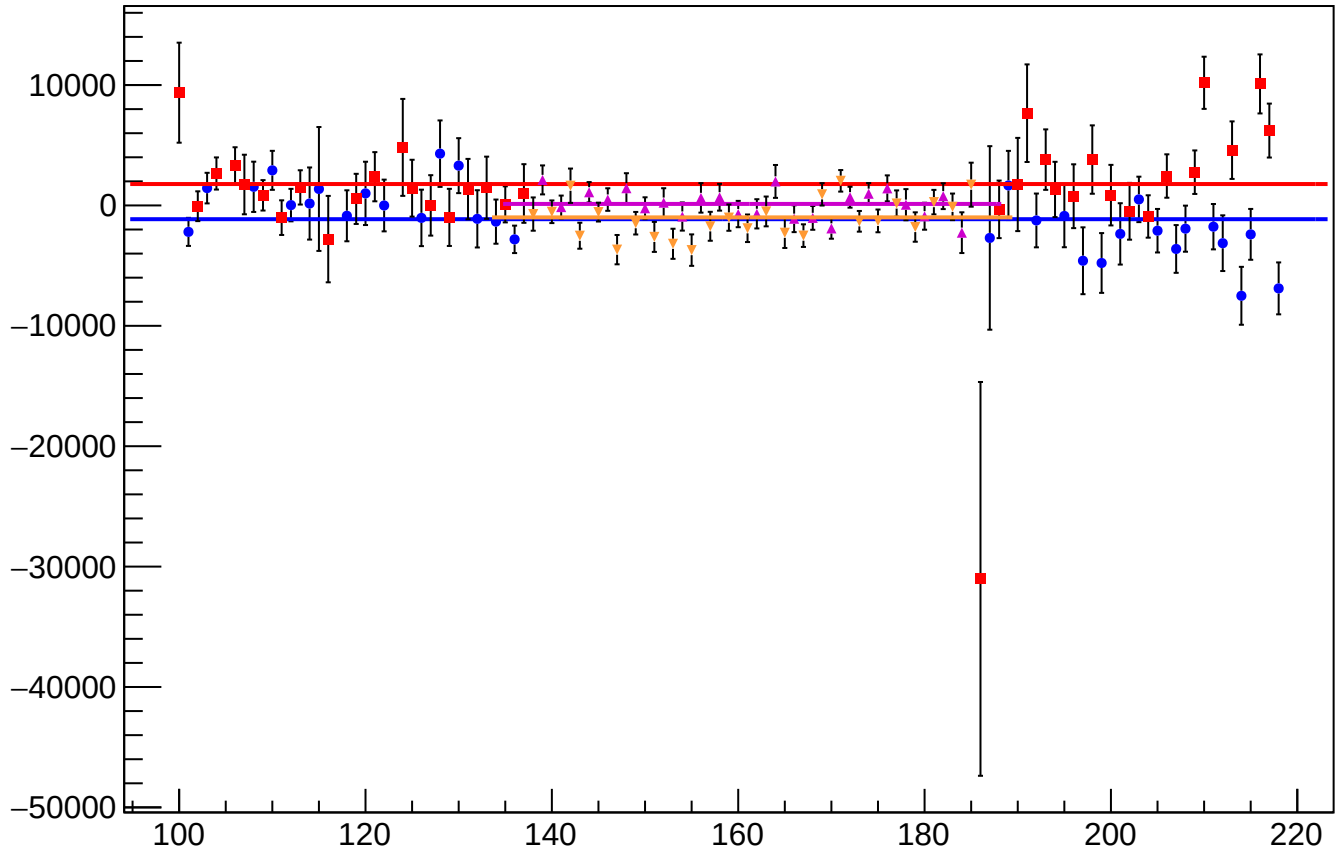
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 139.703+/-0.016 χ^2/NDF: 4539716.0/67

In: 139.126+/-0.016 χ^2/NDF:2873772.9/54

Out: 138.433+/-0.016 χ^2/NDF:4119876.4/60

All: 138.773+/-0.011 χ^2/NDF: 6994570.7/115



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: 1777.330+/-343.800 χ^2/NDF: 61.2/35

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

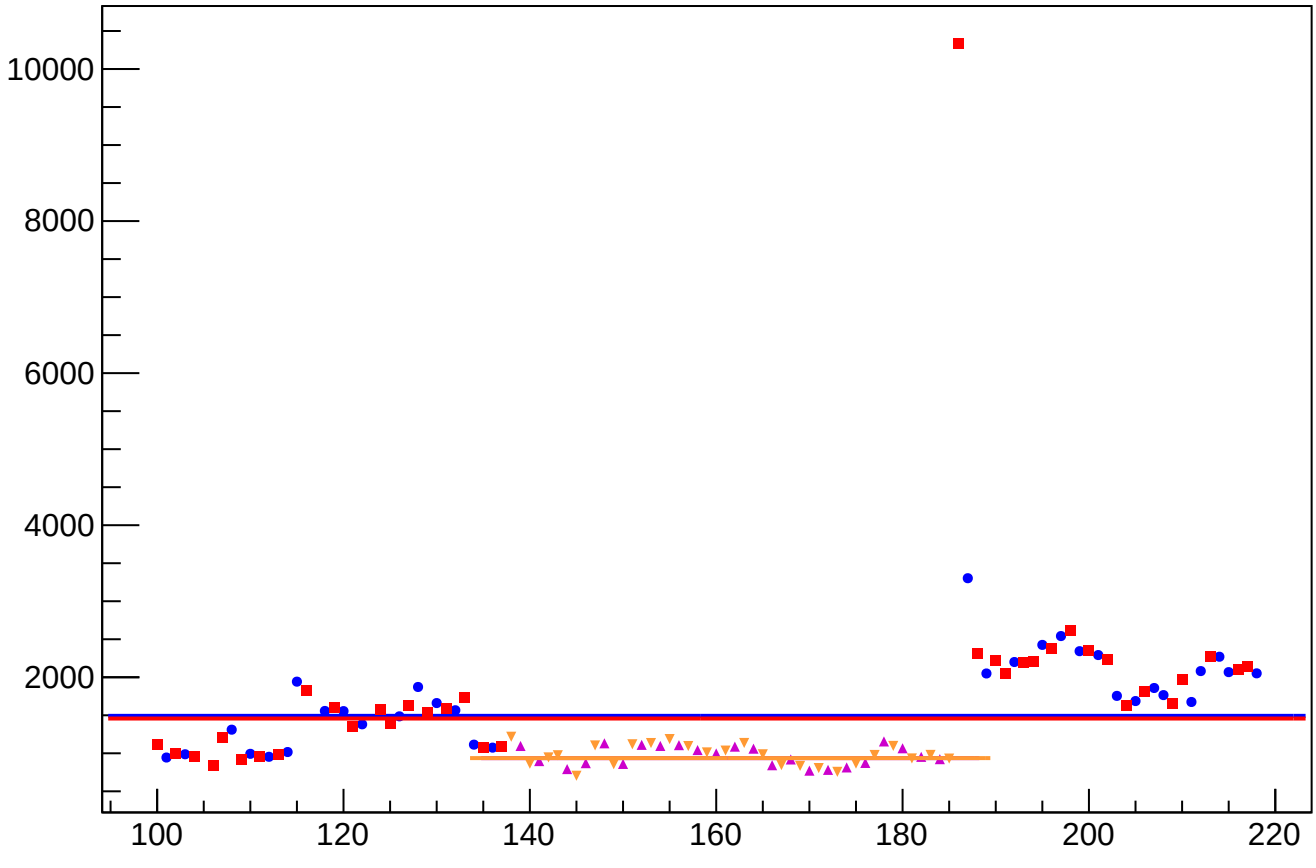
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 346.977+/-245.554 χ^2/NDF: 144.4/67

In: -236.038+/-187.215 χ^2/NDF:81.1/54

Out: -210.940+/-182.687 χ^2/NDF:154.8/60

All: -223.182+/-130.751 χ^2/NDF: 235.8/115



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: 1457.315+/-0.243 χ^2/NDF: 5186095.0/35

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

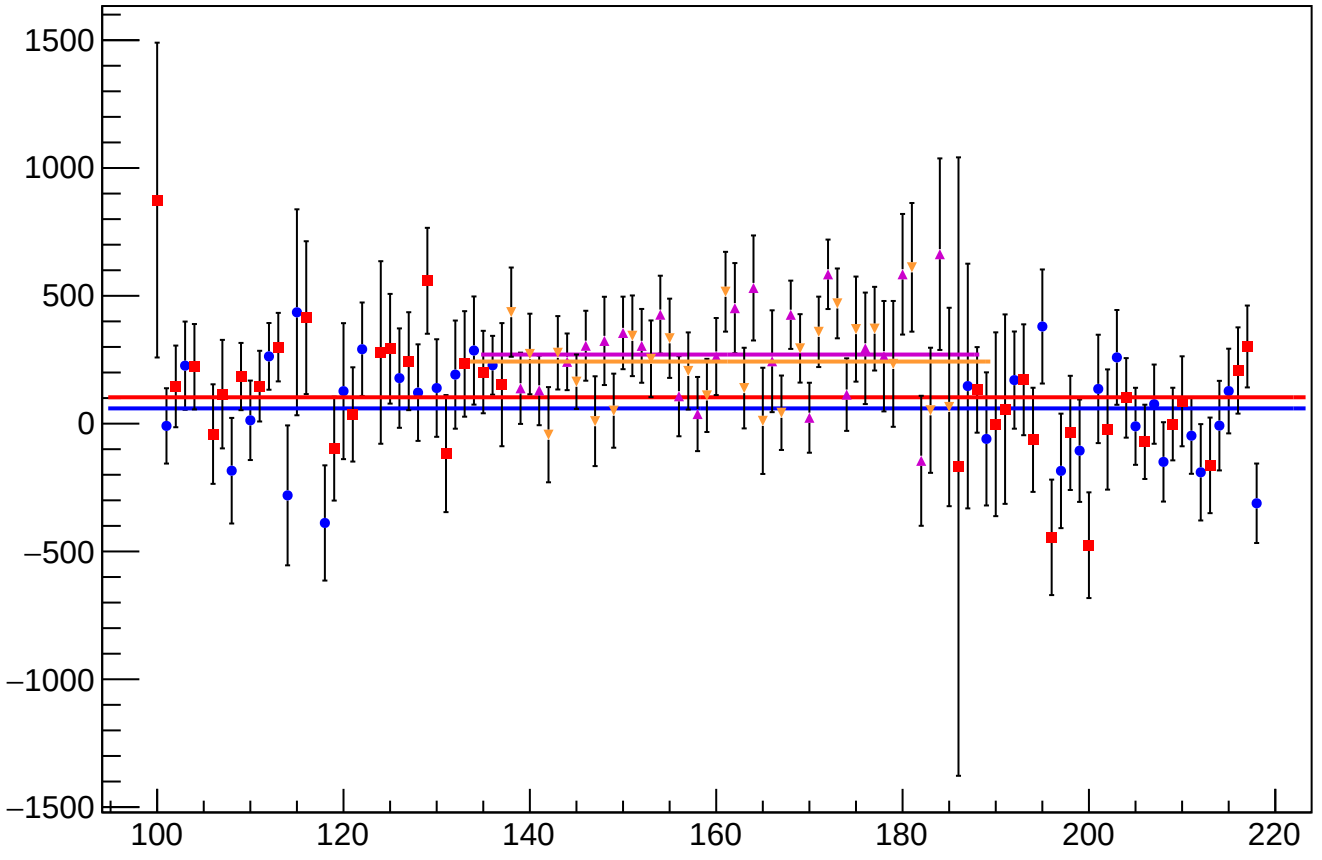
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1474.573+/-0.174 χ^2/NDF: 9132661.1/67

In: 1094.749+/-0.132 χ^2/NDF:8173864.7/54

Out: 1083.732+/-0.129 χ^2/NDF:9309228.7/60

All: 1089.106+/-0.092 χ^2/NDF: 17486641.4/1



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: 103.123+/-31.840 χ^2/NDF: 37.0/35

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

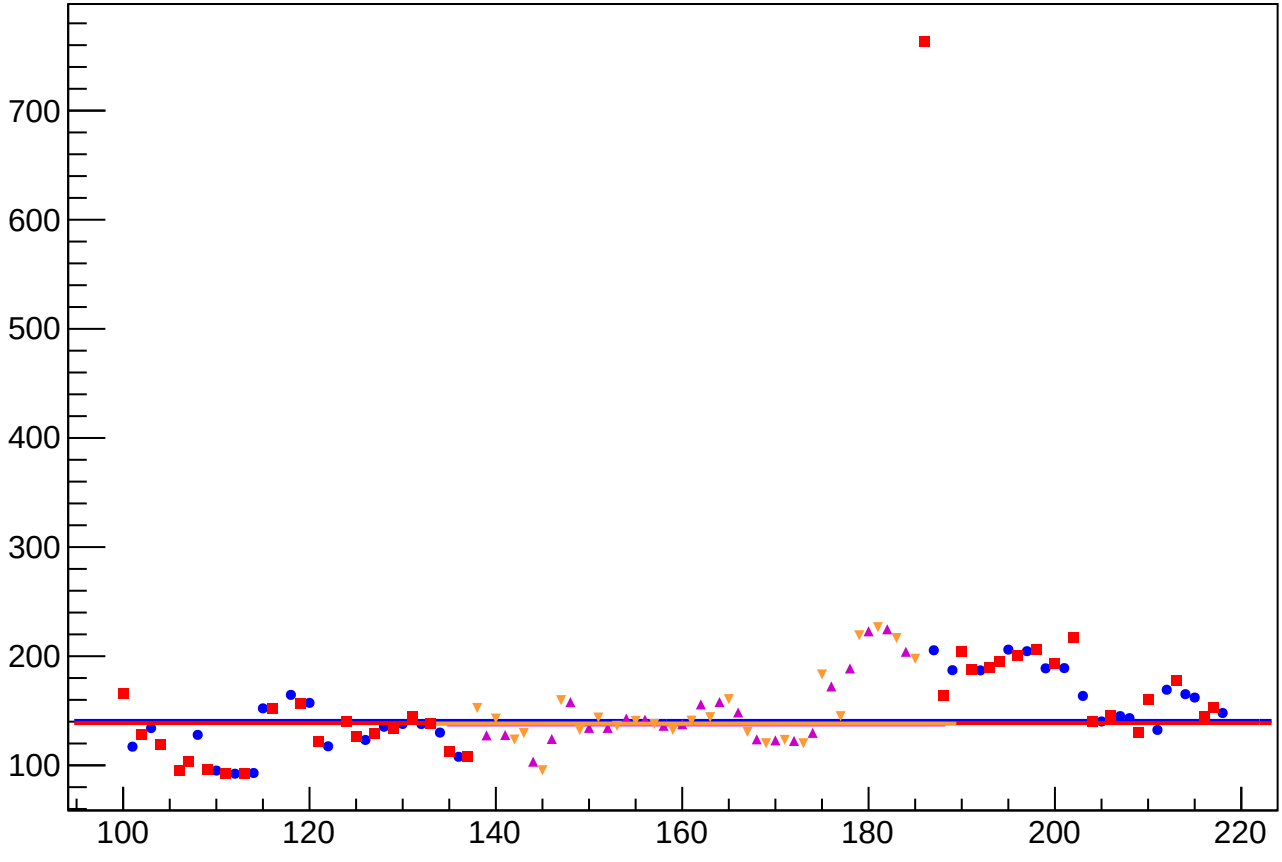
Right: 81.647+/-22.652 χ^2/NDF: 71.5/67

In: 162.805+/-23.022 χ^2/NDF:81.2/54

Out: 172.355+/-22.619 χ^2/NDF:70.2/60

All: 167.664+/-16.135 χ^2/NDF: 151.5/115

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: 138.734+/-0.023 χ^2/NDF: 2781212.7/35

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

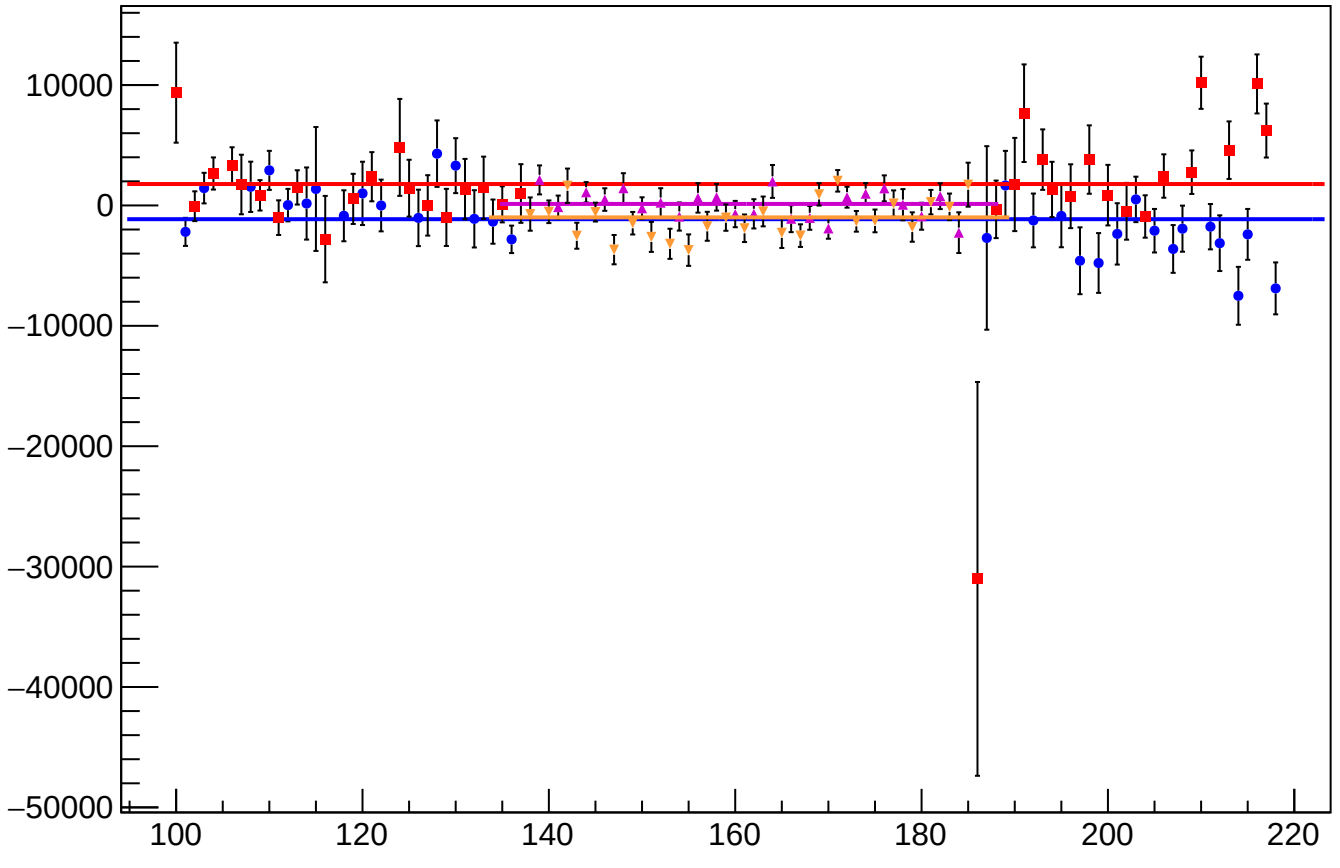
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 139.703+/-0.016 χ^2/NDF: 4539701.8/67

In: 139.126+/-0.016 χ^2/NDF:2873740.8/54

Out: 138.433+/-0.016 χ^2/NDF:4119883.6/60

All: 138.773+/-0.011 χ^2/NDF: 6994545.5/115



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: 1777.328+/-343.800 χ^2/NDF: 61.2/35

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

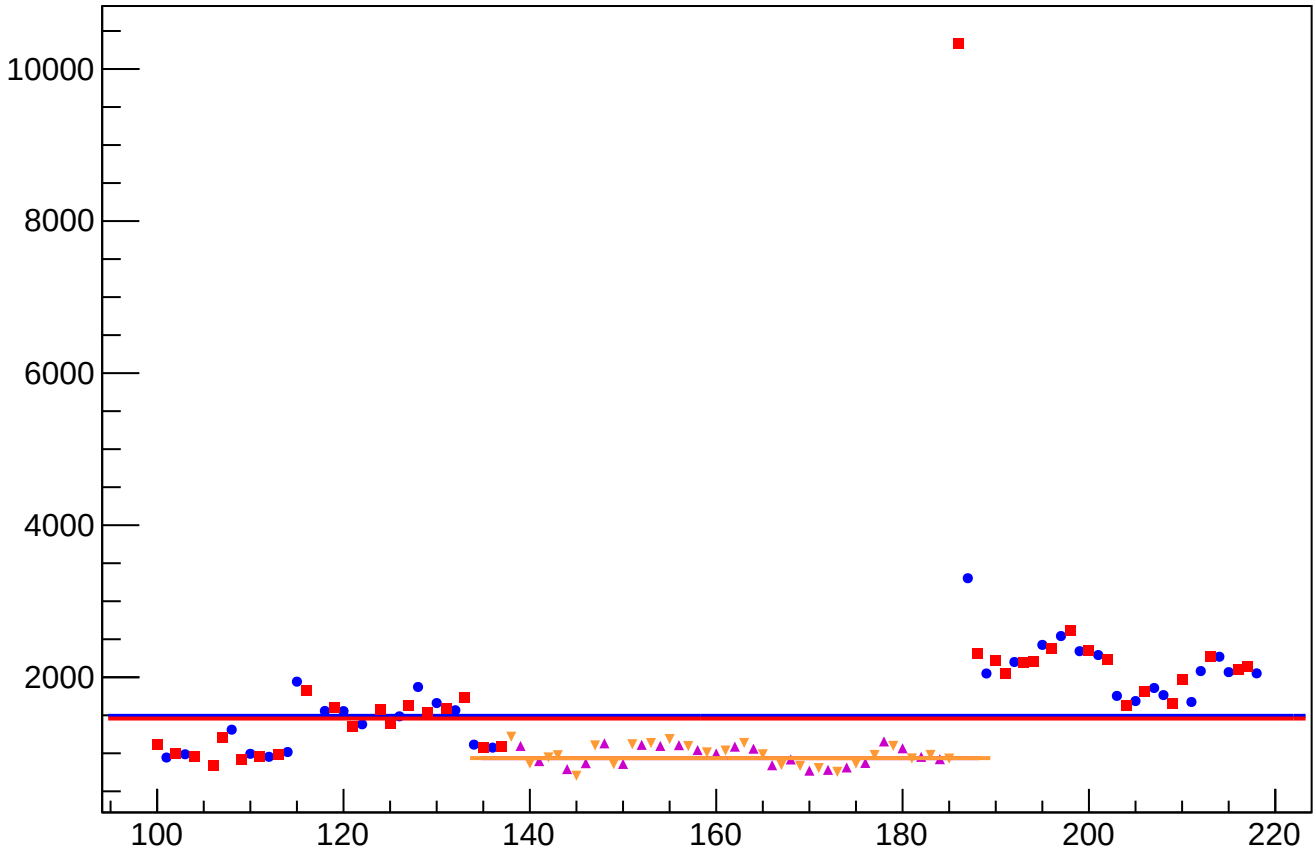
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 346.976+/-245.554 χ^2/NDF: 144.4/67

In: -236.039+/-187.215 χ^2/NDF:81.1/54

Out: -210.939+/-182.687 χ^2/NDF:154.8/60

All: -223.182+/-130.751 χ^2/NDF: 235.8/115



Right In: 1492.545+/-0.248 χ^2/NDF: 3936269.6/31

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1457.314+/-0.243 χ^2/NDF: 5186087.6/35

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

Left: 936.566+/-0.109 χ^2/NDF: 1475202.7/47

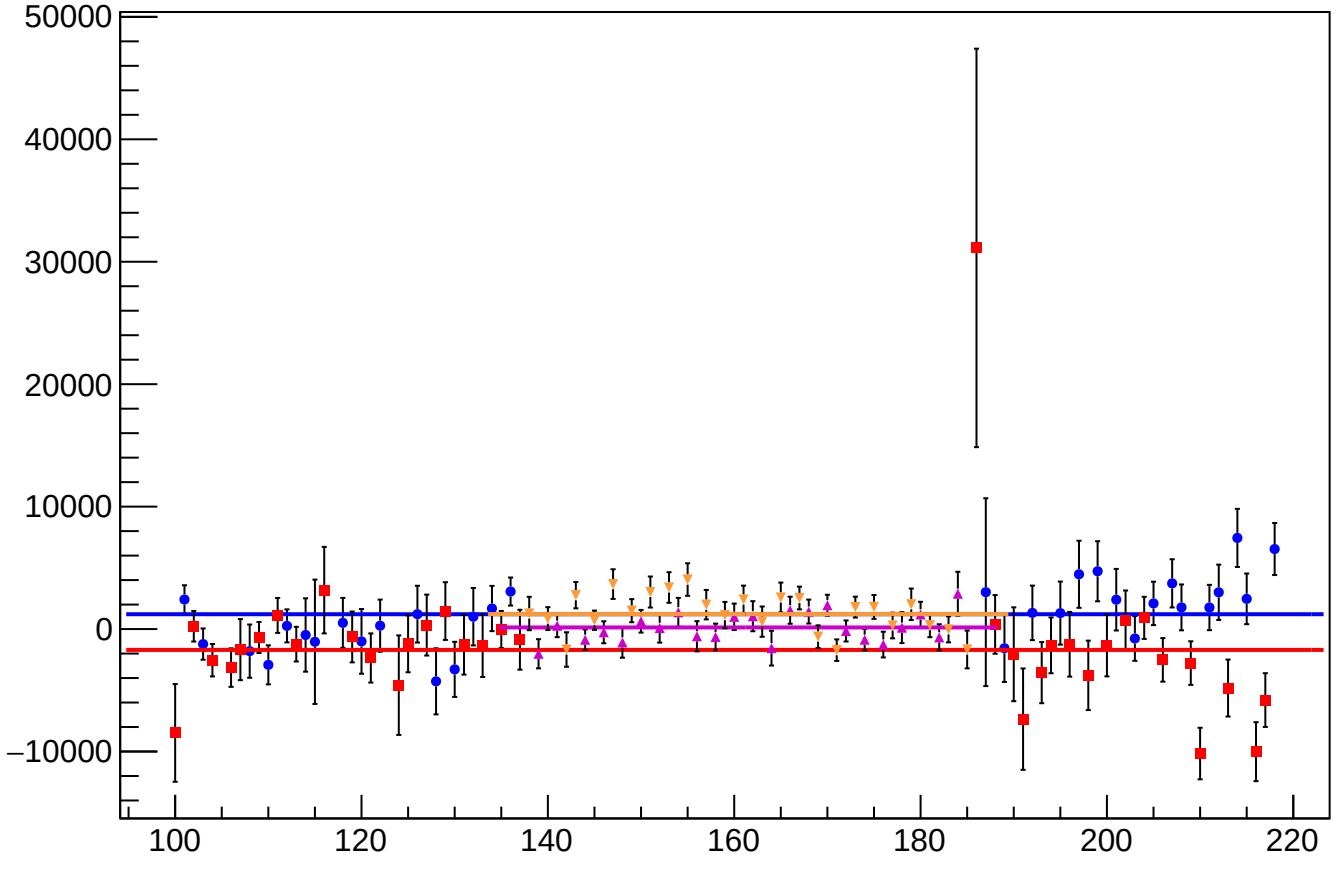
Right: 1474.573+/-0.174 χ^2/NDF: 9132645.7/67

In: 1094.748+/-0.132 χ^2/NDF:8173865.9/54

Out: 1083.731+/-0.129 χ^2/NDF:9309235.7/60

All: 1089.105+/-0.092 χ^2/NDF: 17486649.6/1

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: -1703.886+/-342.261 χ^2/NDF: 62.9/35

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

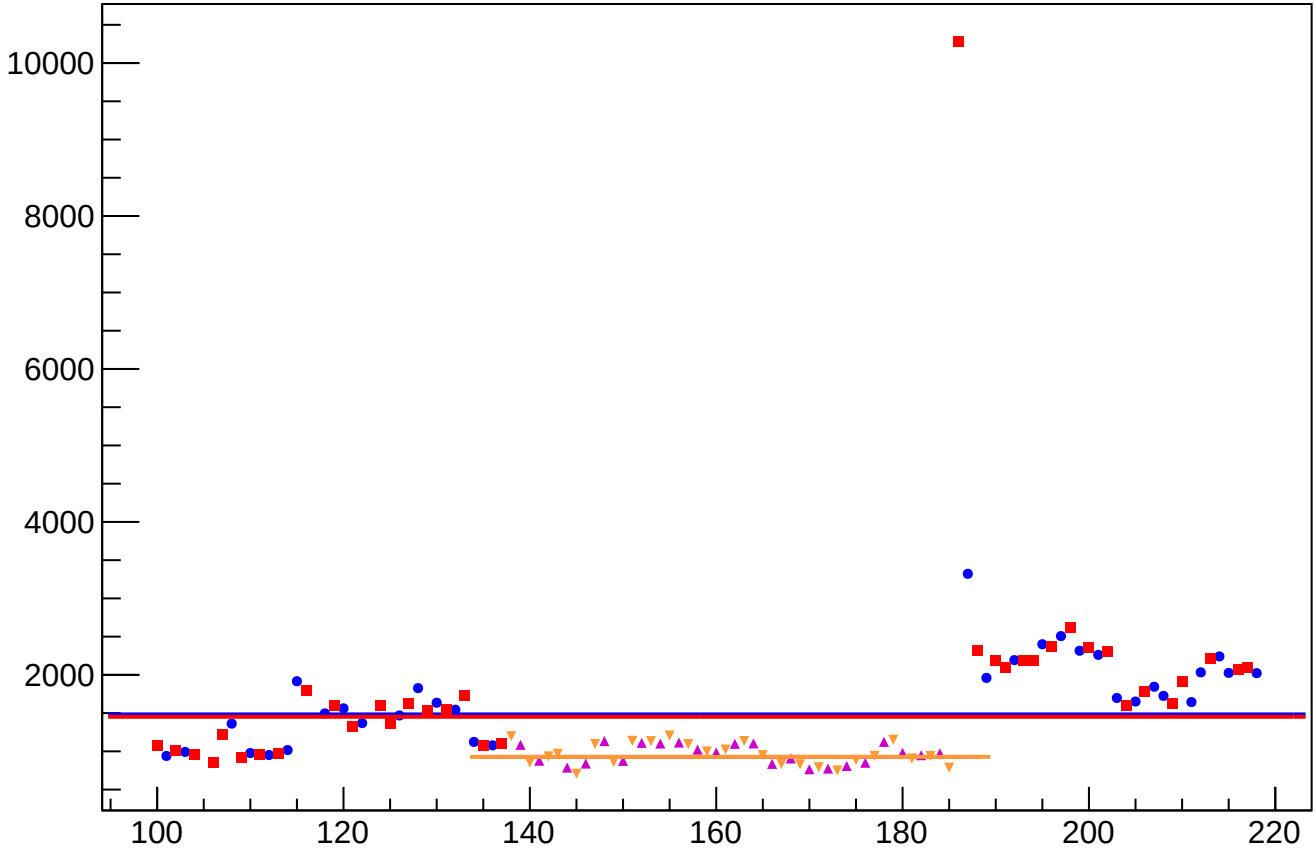
Right: -269.828+/-243.992 χ^2/NDF: 147.0/67

In: 439.649+/-185.508 χ^2/NDF:81.1/54

Out: 403.042+/-181.355 χ^2/NDF:164.1/60

All: 420.931+/-129.681 χ^2/NDF: 245.2/115

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: 1452.037+/-0.242 χ^2/NDF: 5091162.5/35

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

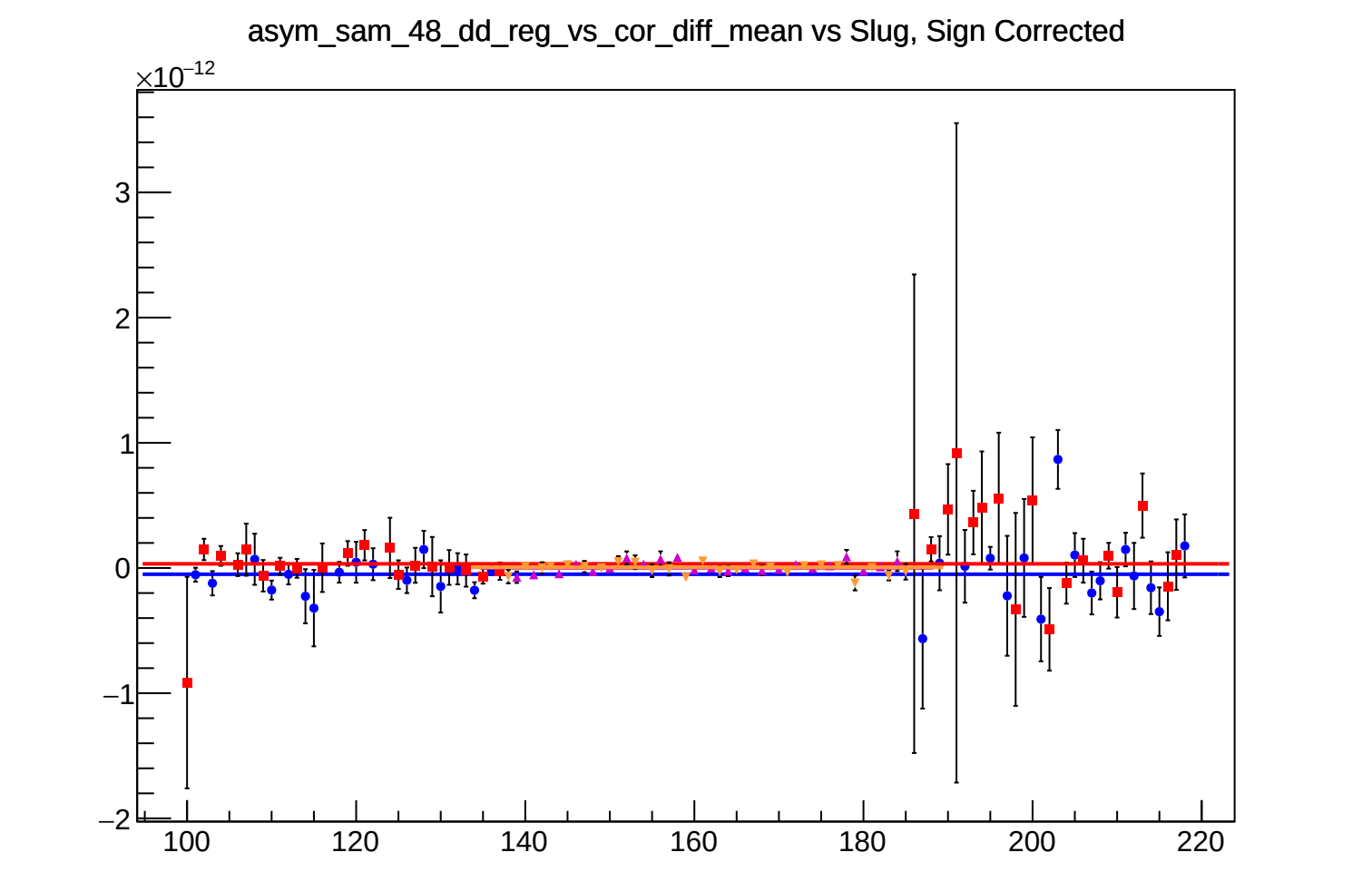
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1467.211+/-0.173 χ^2/NDF: 8869588.8/67

In: 1085.264+/-0.131 χ^2/NDF:8076864.4/54

Out: 1074.851+/-0.128 χ^2/NDF:9343476.0/60

All: 1079.940+/-0.092 χ^2/NDF: 17423562.5/



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: 28.6/35

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

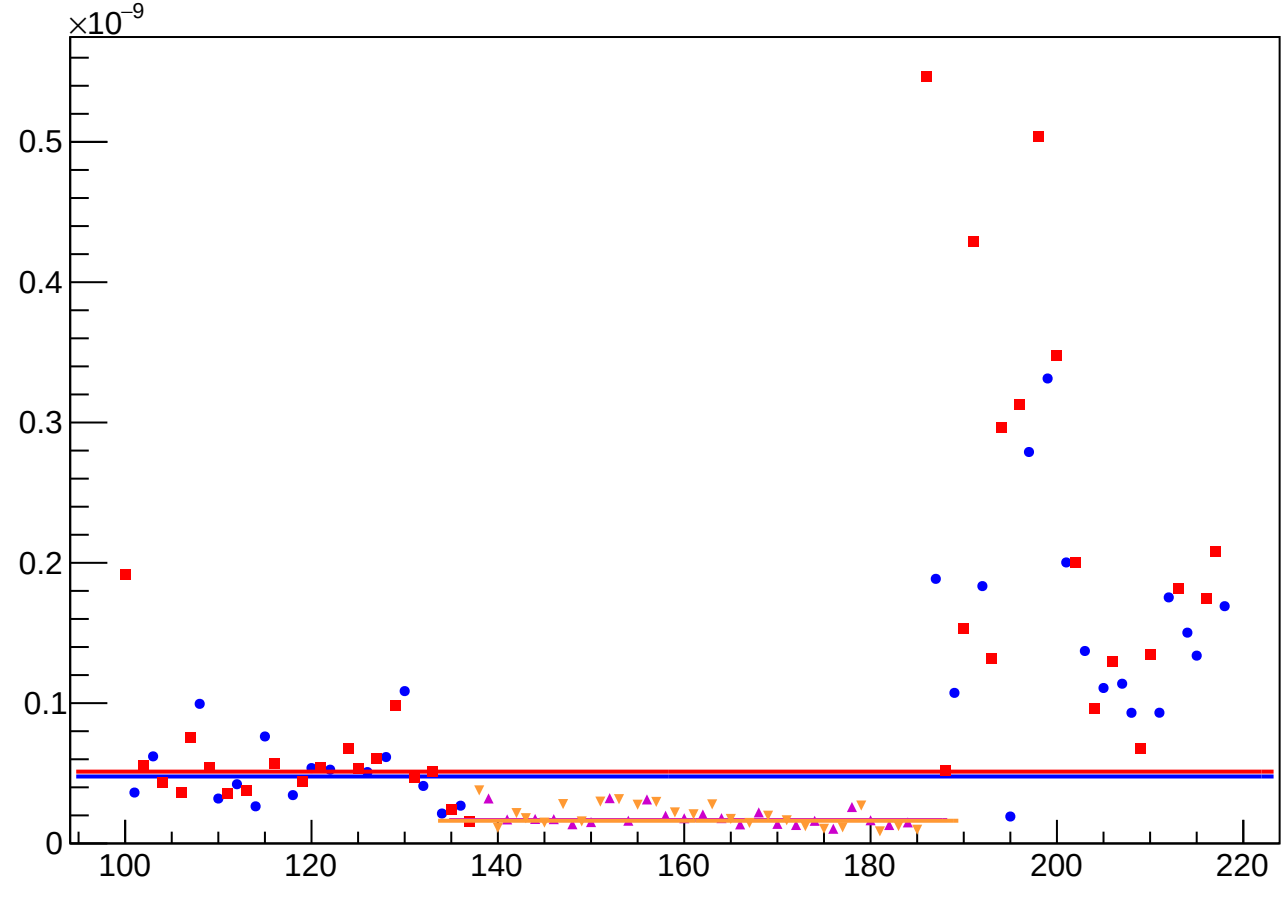
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 76.7/67

In: -0.000+/-0.000 χ^2/NDF:73.4/54

Out: 0.000+/-0.000 χ^2/NDF:55.6/60

All: 0.000+/-0.000 χ^2/NDF: 130.8/115



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: 7310644.6/35

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

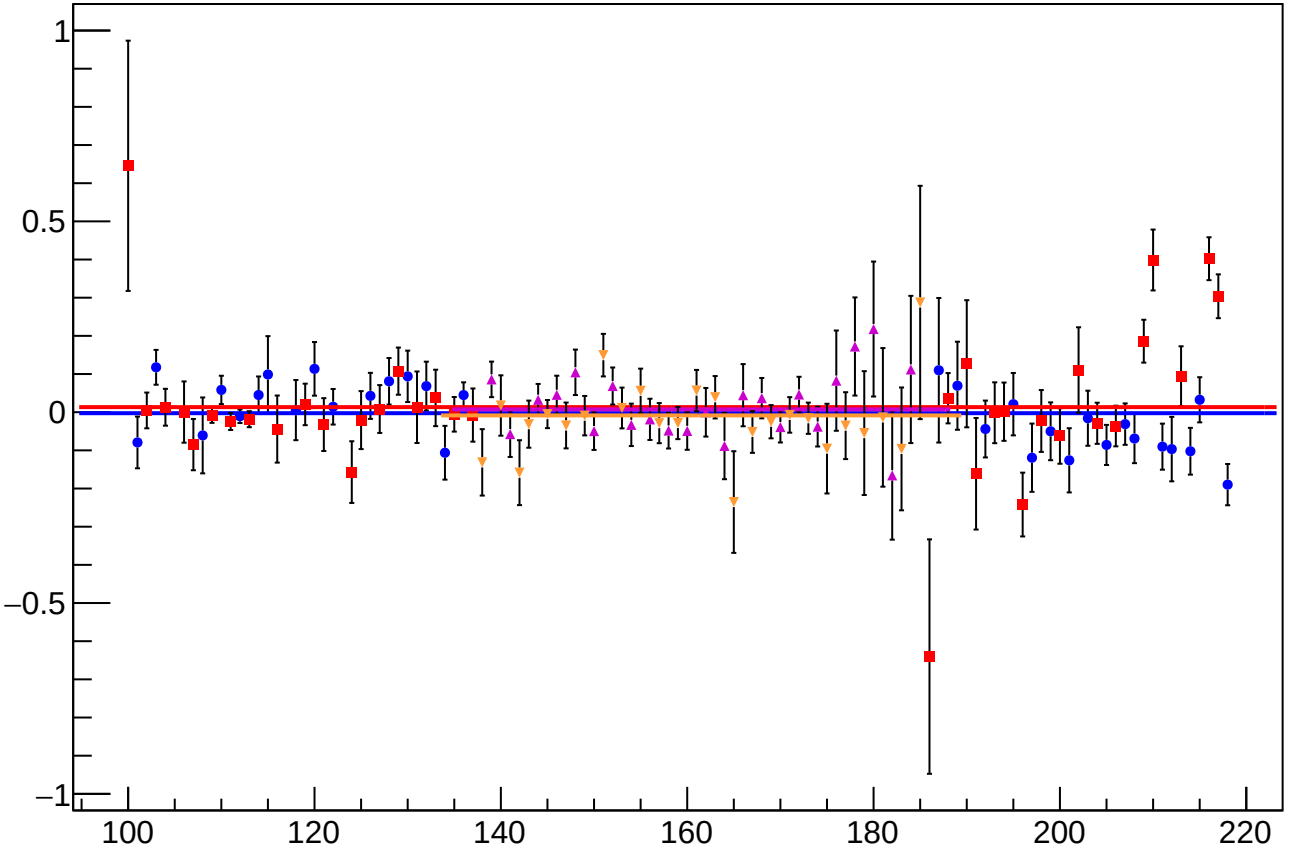
Right: 0.000+/-0.000 χ^2/NDF: 14397251.3/67

In: 0.000+/-0.000 χ^2/NDF:12366152.7/54

Out: 0.000+/-0.000 χ^2/NDF:14376940.3/60

All: 0.000+/-0.000 χ^2/NDF: 26758073.7/115

asym_sam_48_dd_dit_vs_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: 0.013+/-0.009 χ^2/NDF: 147.1/35

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

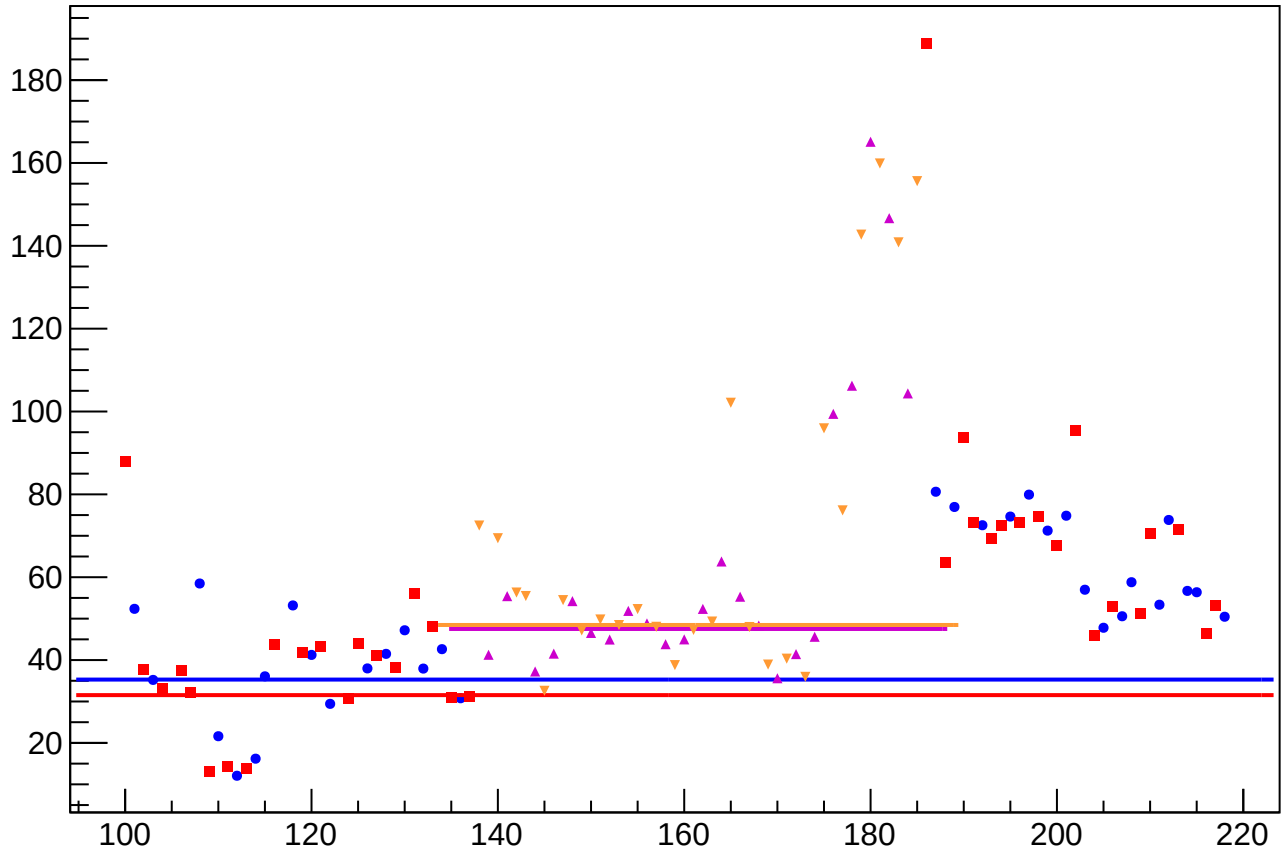
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.006+/-0.006 χ^2/NDF: 202.5/67

In: 0.001+/-0.007 χ^2/NDF:77.5/54

Out: 0.006+/-0.007 χ^2/NDF:172.4/60

All: 0.004+/-0.005 χ^2/NDF: 250.2/115



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: 31.538+/-0.006 χ^2/NDF: 11616813.8/35

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

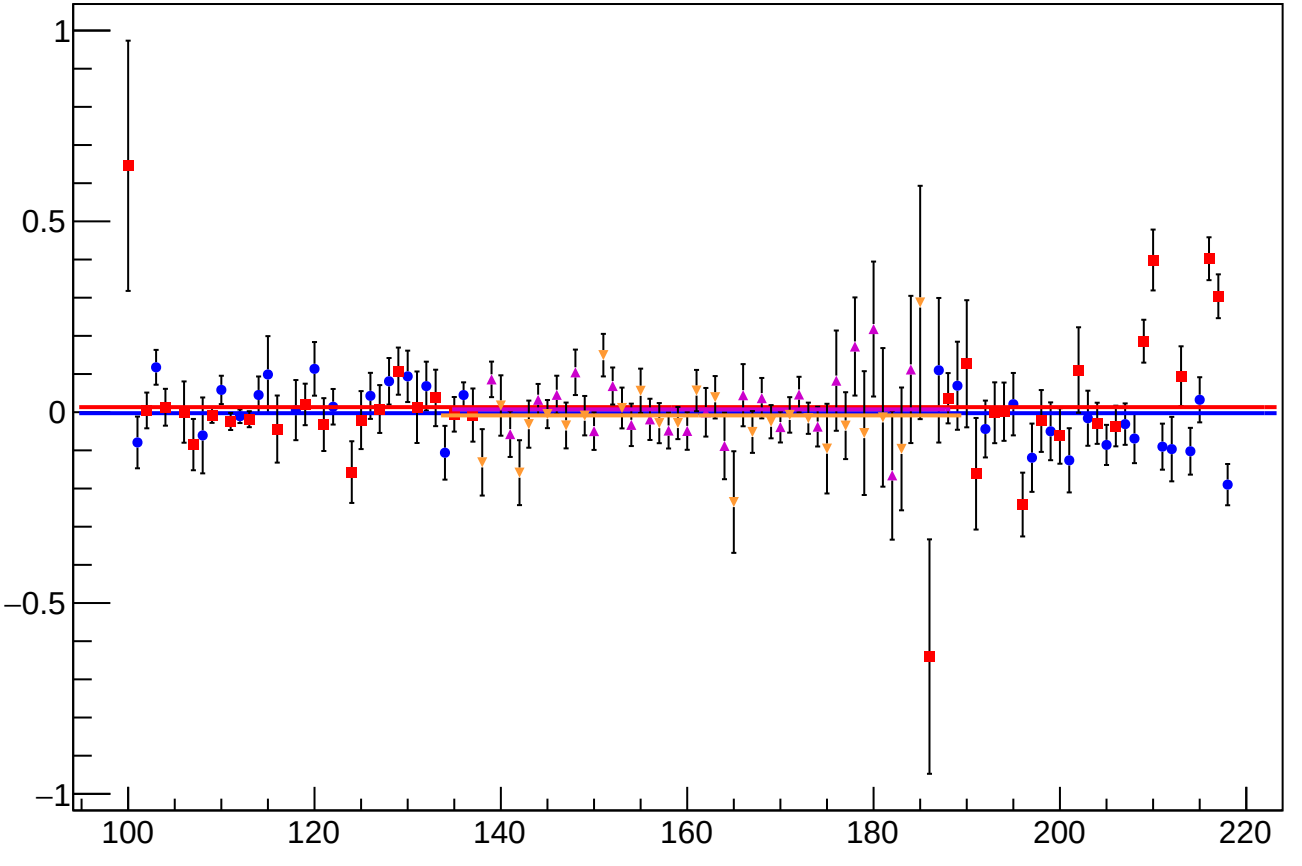
Right: 33.257+/-0.004 χ^2/NDF: 21035791.6/67

In: 39.879+/-0.005 χ^2/NDF:13605883.9/54

Out: 37.263+/-0.005 χ^2/NDF:18623573.8/60

All: 38.499+/-0.004 χ^2/NDF: 32362200.6/115

asym_sam_48_dd_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: 0.013+/-0.009 χ^2/NDF: 147.1/35

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

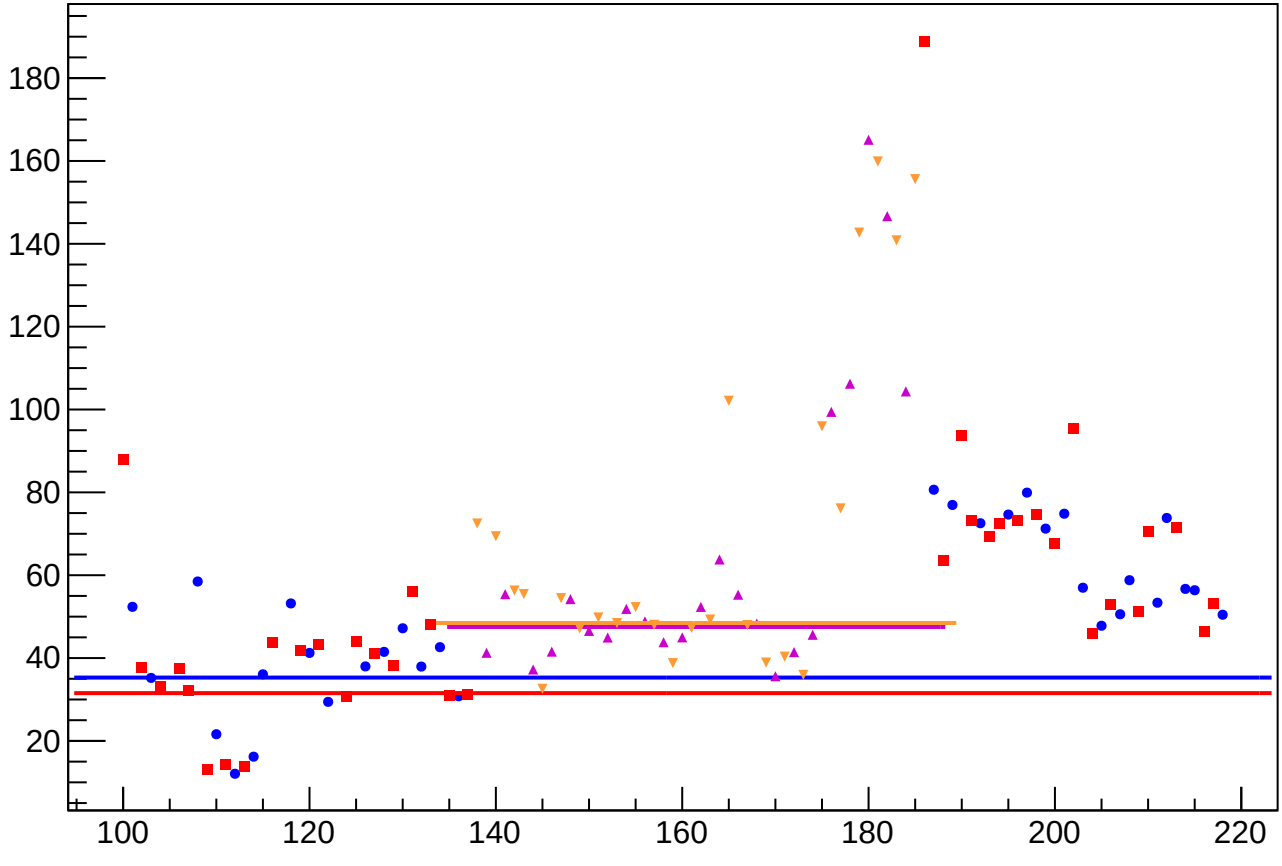
Right: 0.006+/-0.006 χ^2/NDF: 202.5/67

In: 0.001+/-0.007 χ^2/NDF:77.5/54

Out: 0.006+/-0.007 χ^2/NDF:172.4/60

All: 0.004+/-0.005 χ^2/NDF: 250.2/115

asym_sam_48_dd_dit_vs_eigen_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: 31.538+/-0.006 χ^2/NDF: 11616813.8/35

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

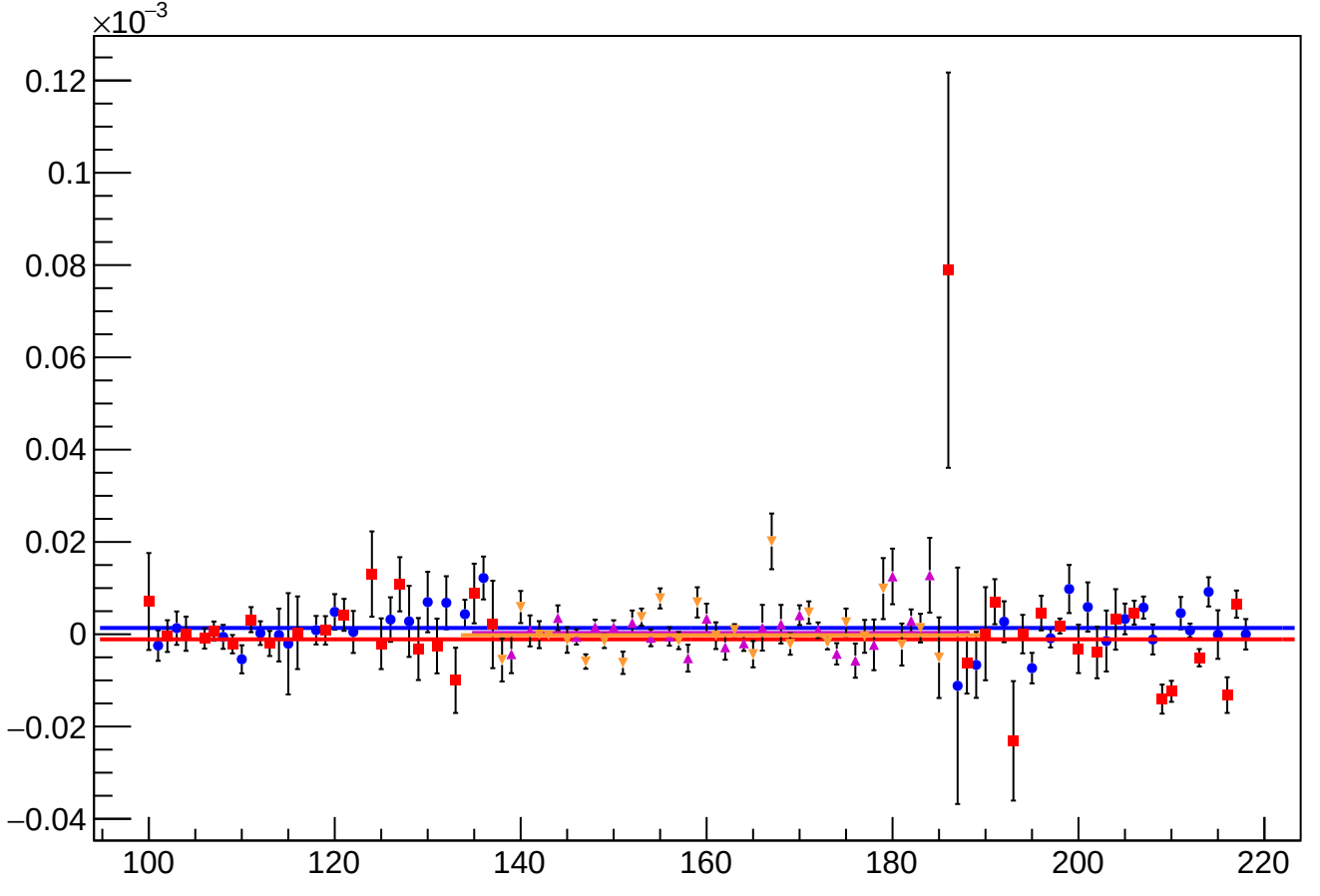
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 33.257+/-0.004 χ^2/NDF: 21035791.6/67

In: 39.879+/-0.005 χ^2/NDF:13605883.9/54

Out: 37.263+/-0.005 χ^2/NDF:18623573.8/60

All: 38.499+/-0.004 χ^2/NDF: 32362200.6/115



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: 101.5/35

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

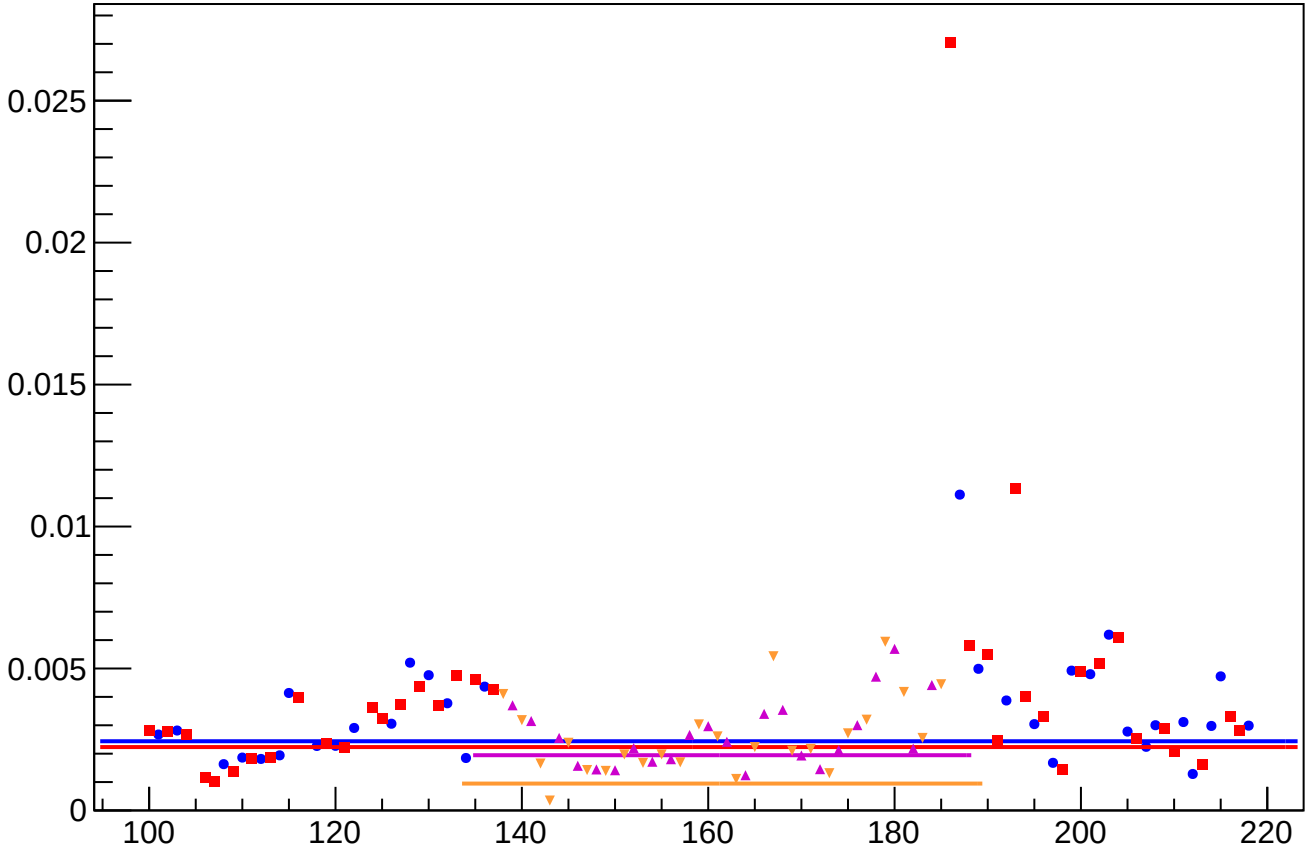
Right: 0.000+/-0.000 χ^2/NDF: 151.6/67

In: 0.000+/-0.000 χ^2/NDF:74.1/54

Out: -0.000+/-0.000 χ^2/NDF:175.1/60

All: -0.000+/-0.000 χ^2/NDF: 254.8/115

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 8784275.4/35

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

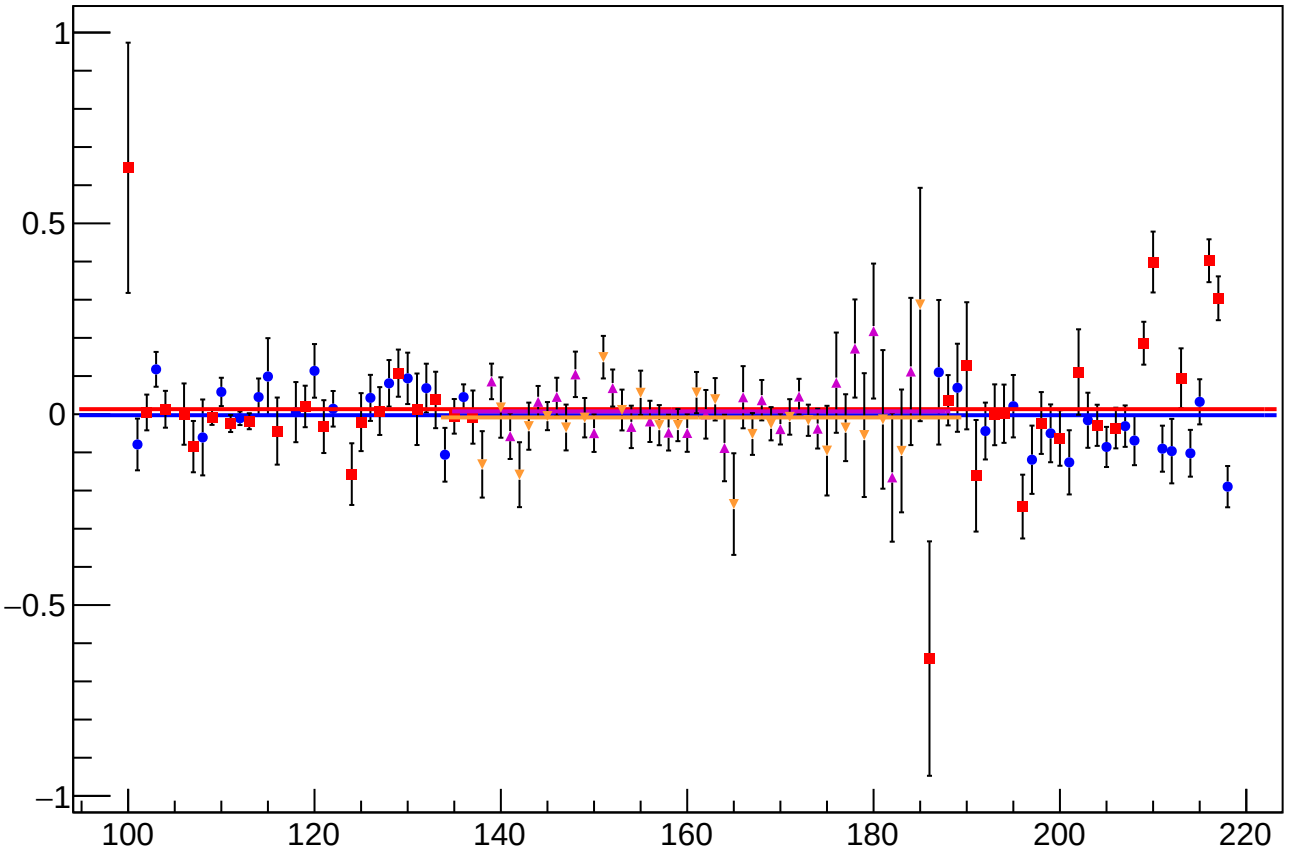
Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

Right: 0.002+/-0.000 χ^2/NDF: 14873483.7/67

In: 0.002+/-0.000 χ^2/NDF:11117239.1/54

Out: 0.001+/-0.000 χ^2/NDF:34403700.9/60

All: 0.002+/-0.000 χ^2/NDF: 53174190.3/115



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: 0.013+/-0.009 χ^2/NDF: 147.1/35

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

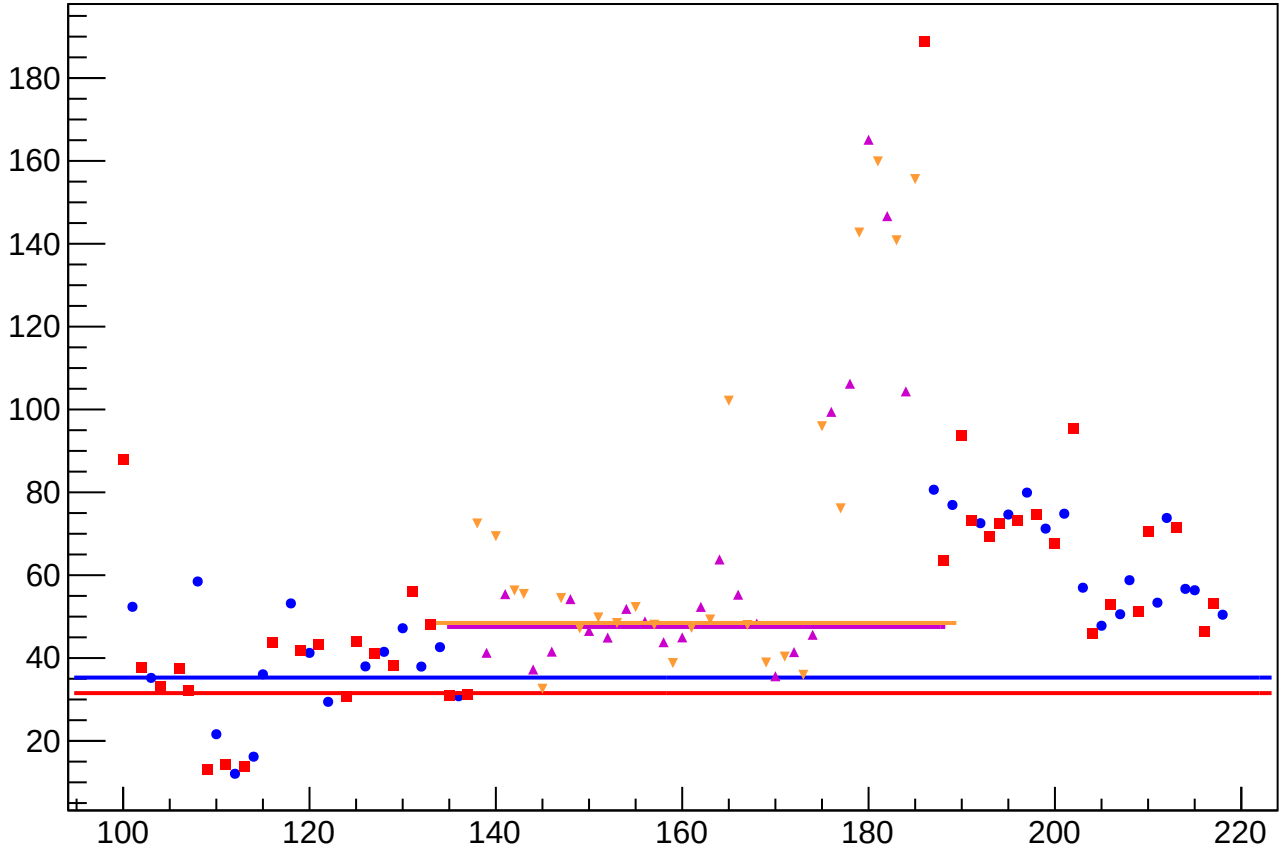
Right: 0.006+/-0.006 χ^2/NDF: 202.5/67

In: 0.001+/-0.007 χ^2/NDF:77.5/54

Out: 0.006+/-0.007 χ^2/NDF:172.4/60

All: 0.004+/-0.005 χ^2/NDF: 250.2/115

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: 31.537+/-0.006 χ^2/NDF: 11617139.4/35

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

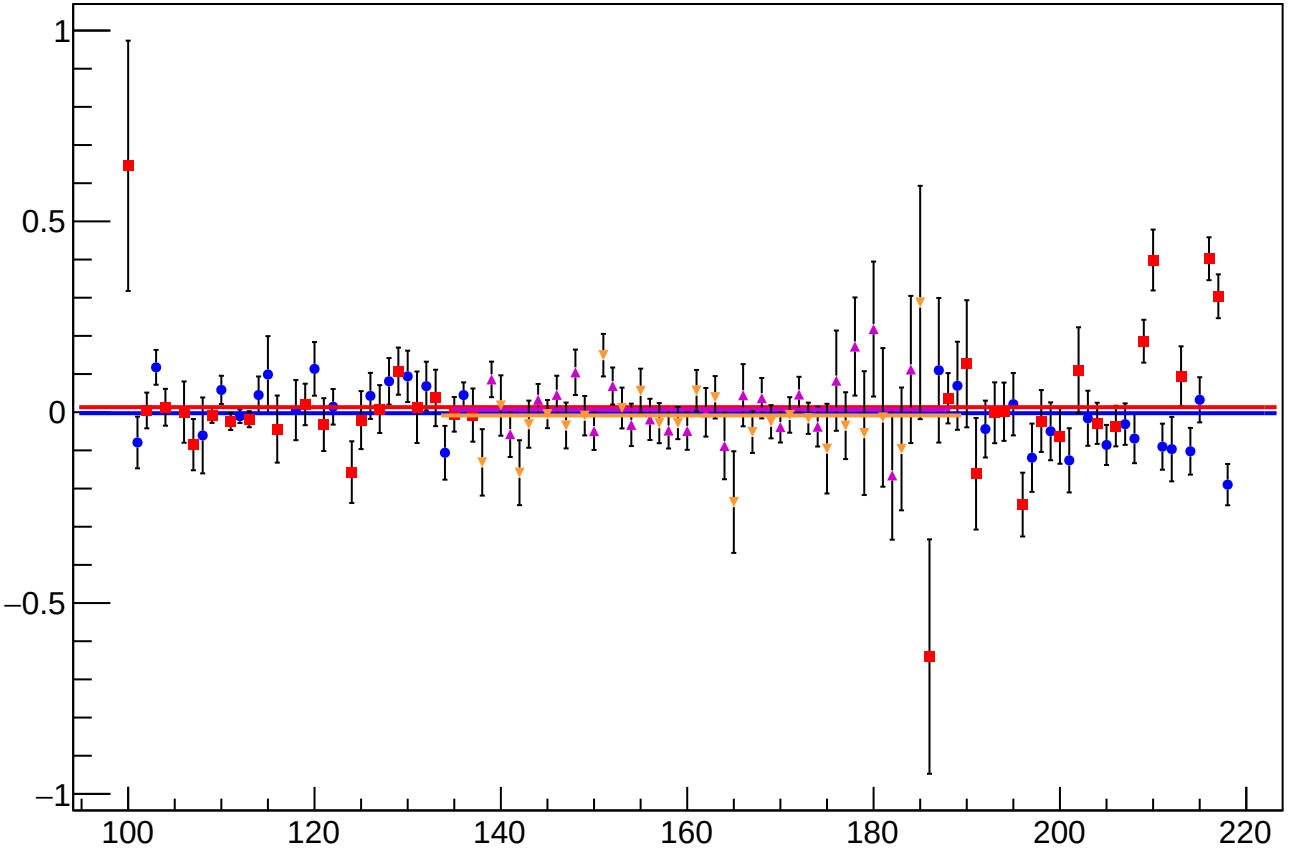
Right: 33.256+/-0.004 χ^2/NDF: 21036916.2/67

In: 39.878+/-0.005 χ^2/NDF:13607086.4/54

Out: 37.262+/-0.005 χ^2/NDF:18624042.5/60

All: 38.499+/-0.004 χ^2/NDF: 32363802.8/115

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: 0.013+/-0.009 χ^2/NDF: 147.1/35

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

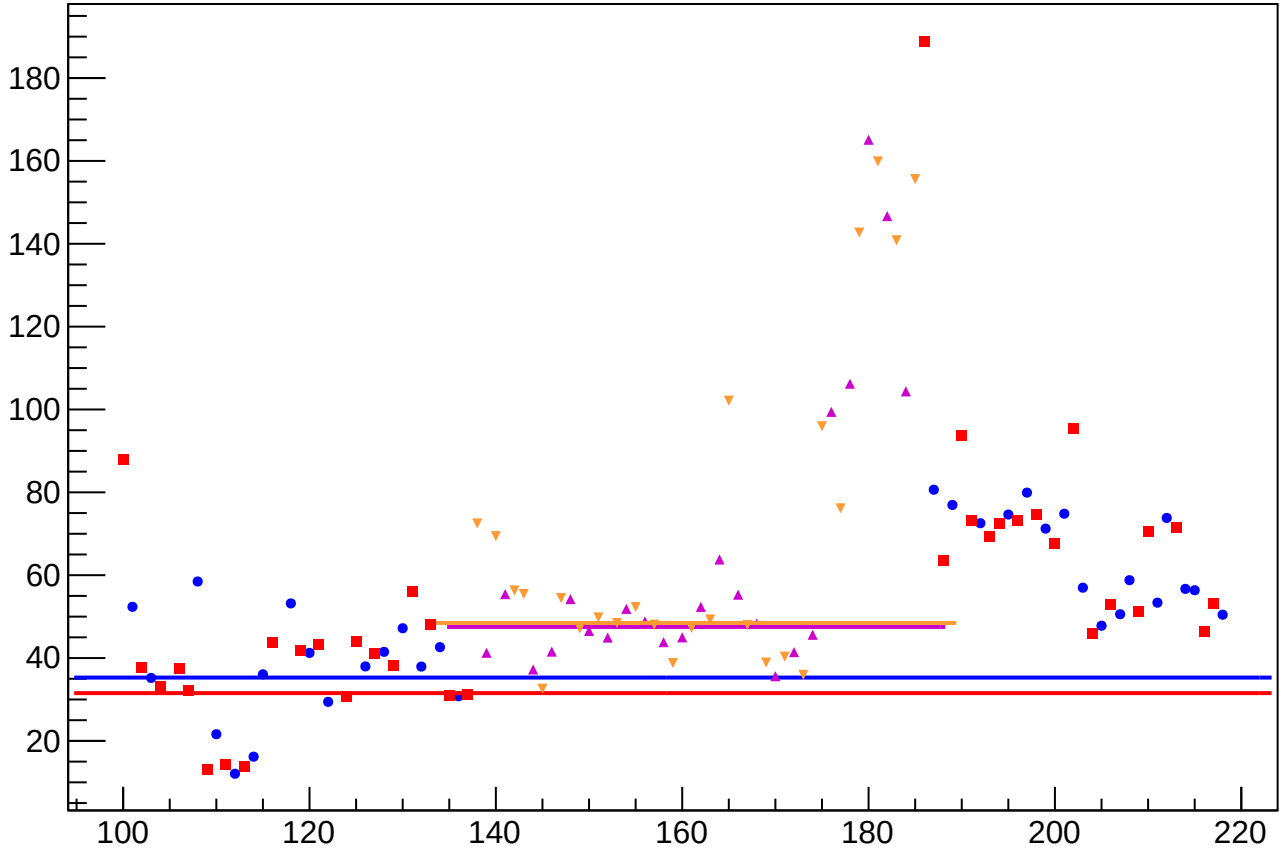
Right: 0.006+/-0.006 χ^2/NDF: 202.5/67

In: 0.001+/-0.007 χ^2/NDF:77.5/54

Out: 0.006+/-0.007 χ^2/NDF:172.4/60

All: 0.004+/-0.005 χ^2/NDF: 250.2/115

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: 31.537+/-0.006 χ^2/NDF: 11617139.4/35

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

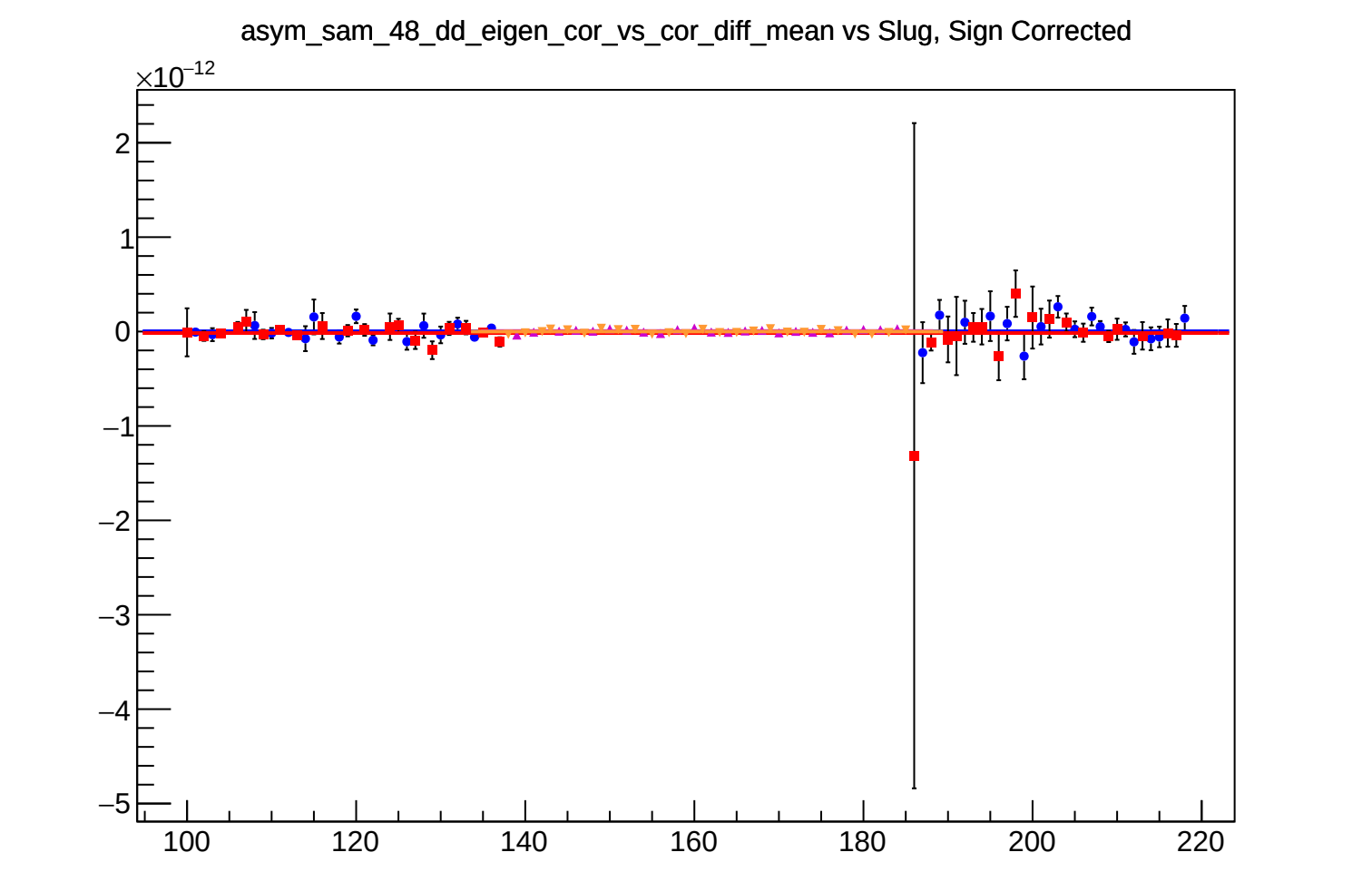
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 33.256+/-0.004 χ^2/NDF: 21036916.2/67

In: 39.878+/-0.005 χ^2/NDF:13607086.4/54

Out: 37.262+/-0.005 χ^2/NDF:18624042.5/60

All: 38.499+/-0.004 χ^2/NDF: 32363802.8/115



Right In: 0.000+/-0.000 χ^2/NDF: 34.3/31

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/35

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

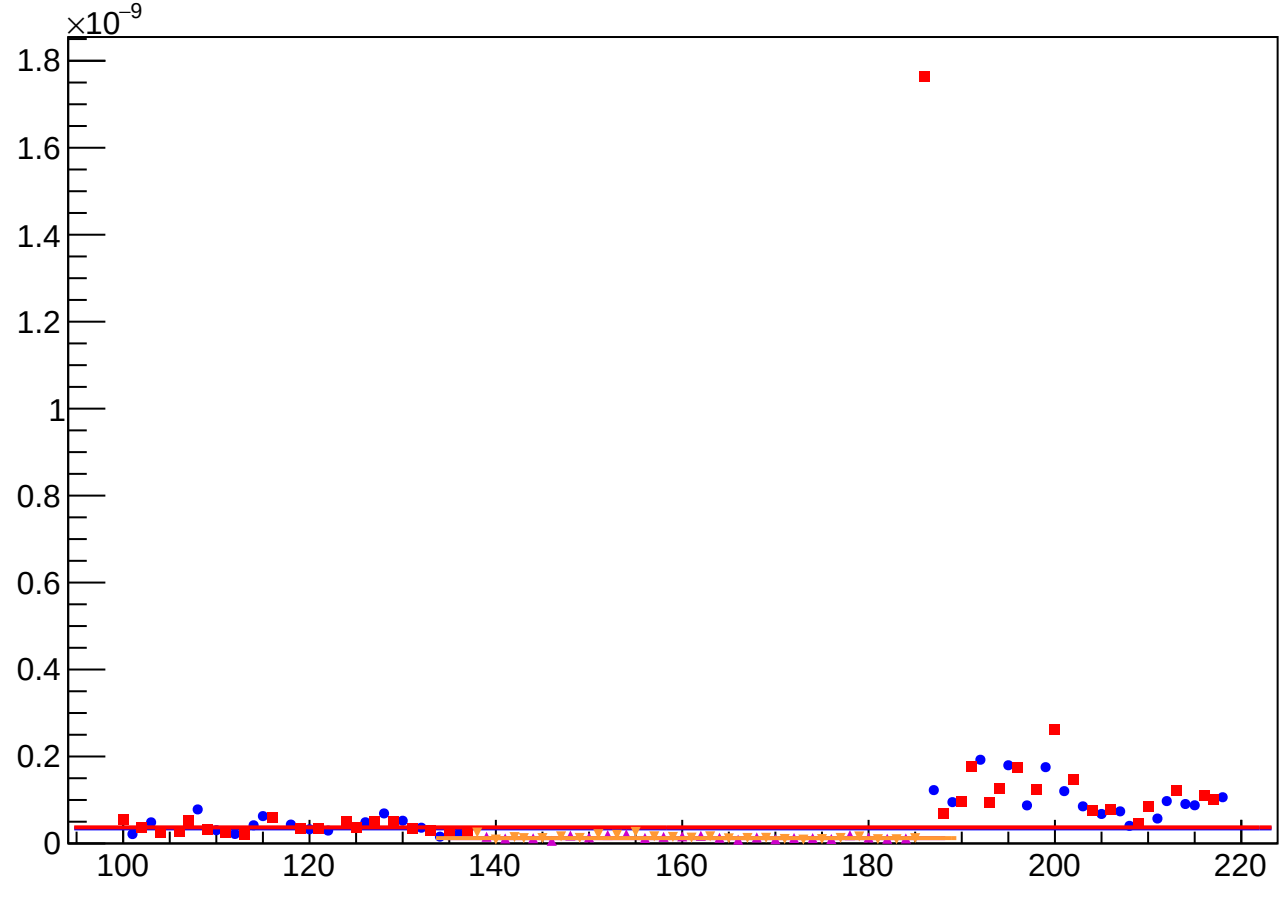
Right: -0.000+/-0.000 χ^2/NDF: 58.8/67

In: 0.000+/-0.000 χ^2/NDF:53.4/54

Out: -0.000+/-0.000 χ^2/NDF:56.2/60

All: 0.000+/-0.000 χ^2/NDF: 111.4/115

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: 8706212.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

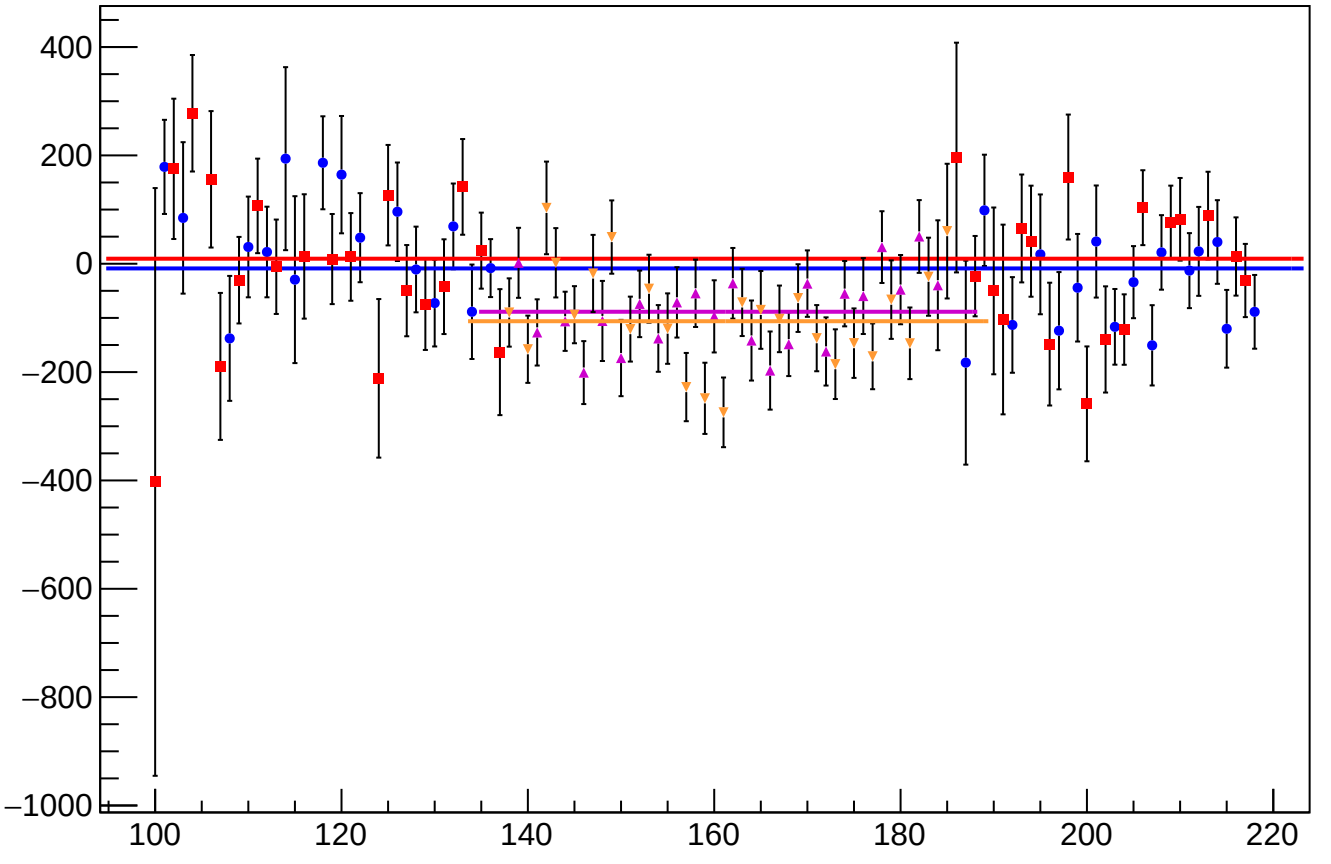
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 17757372.0/67

In: 0.000+/-0.000 χ^2/NDF:17734993.2/54

Out: 0.000+/-0.000 χ^2/NDF:18211285.4/60

All: 0.000+/-0.000 χ^2/NDF: 35946490.3/115



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: 9.304+/-15.315 χ^2/NDF: 47.1/35

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

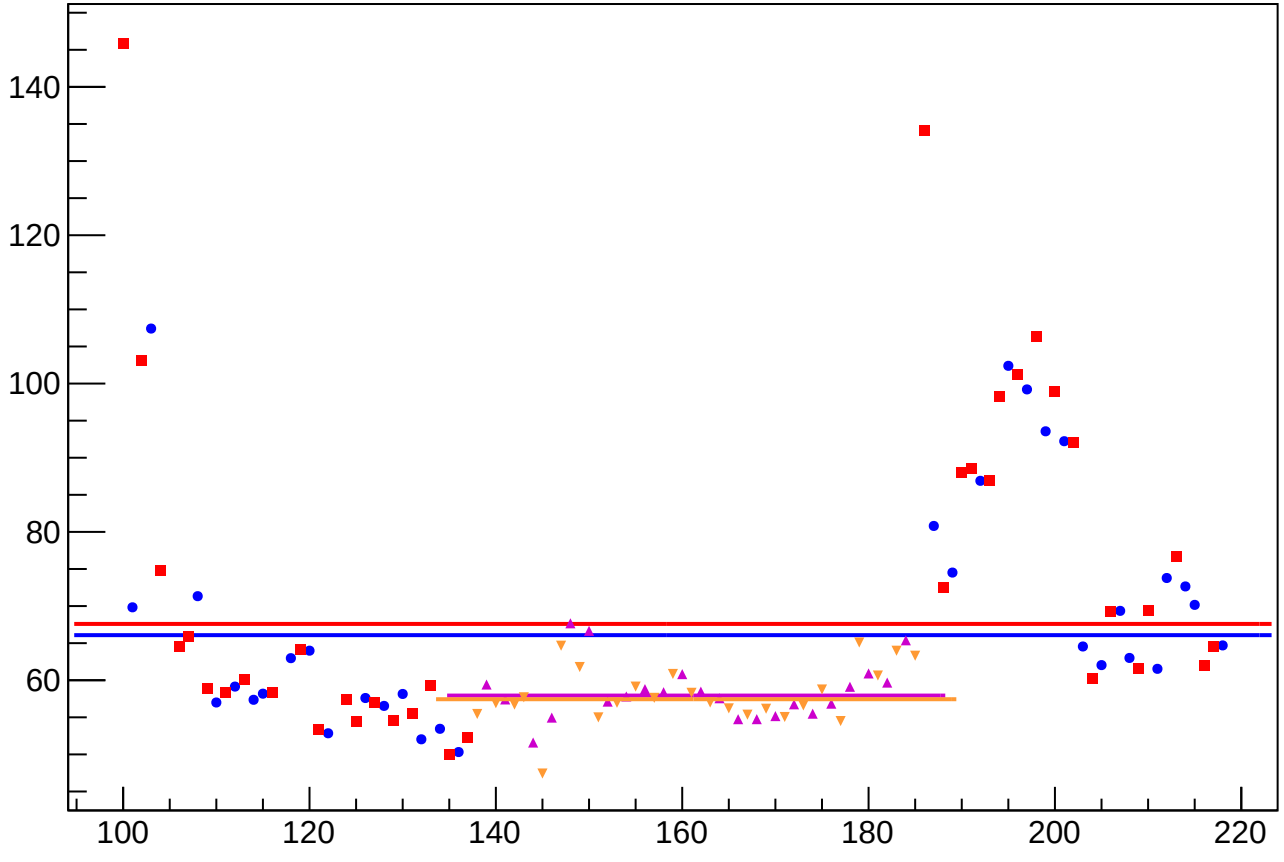
Right: 0.172+/-10.735 χ^2/NDF: 83.5/67

In: -52.777+/-10.077 χ^2/NDF:75.2/54

Out: -57.386+/-9.950 χ^2/NDF:120.6/60

All: -55.111+/-7.080 χ^2/NDF: 195.9/115

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: 67.593+/-0.011 χ^2/NDF: 1998358.2/35

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

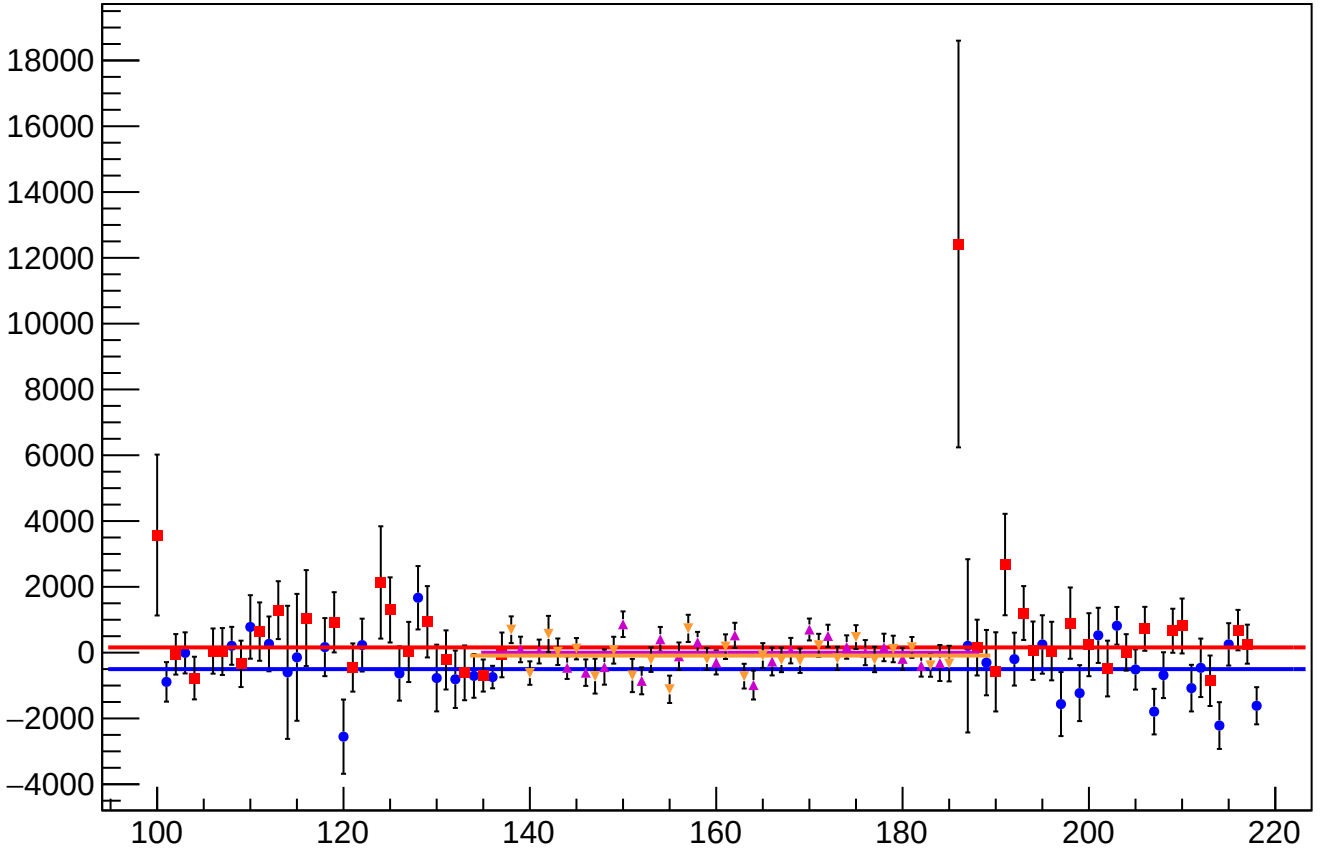
Right: 66.823+/-0.008 χ^2/NDF: 3519321.6/67

In: 61.584+/-0.007 χ^2/NDF:1970225.2/54

Out: 61.726+/-0.007 χ^2/NDF:2680813.1/60

All: 61.656+/-0.005 χ^2/NDF: 4651237.8/115

asym_sam_13_57_dd_reg_correction_mean vs Slug, Sign Corrected



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: 159.141+/-133.532 χ^2/NDF: 30.0/35

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

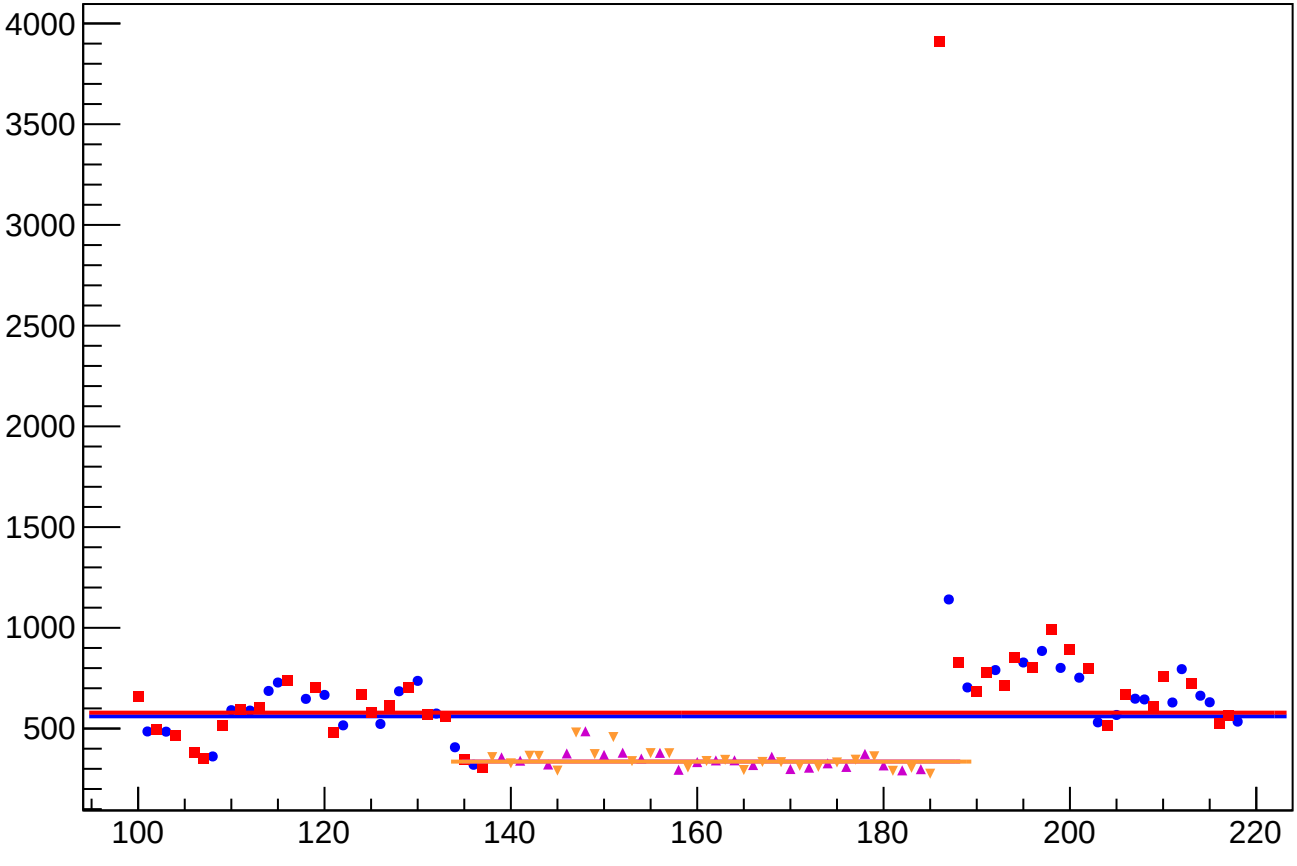
Right: -179.749+/-93.156 χ^2/NDF: 83.4/67

In: -137.803+/-67.635 χ^2/NDF:85.1/54

Out: -27.110+/-66.712 χ^2/NDF:62.5/60

All: -81.695+/-47.495 χ^2/NDF: 148.9/115

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: 578.949+/-0.094 χ^2/NDF: 3456122.7/35

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

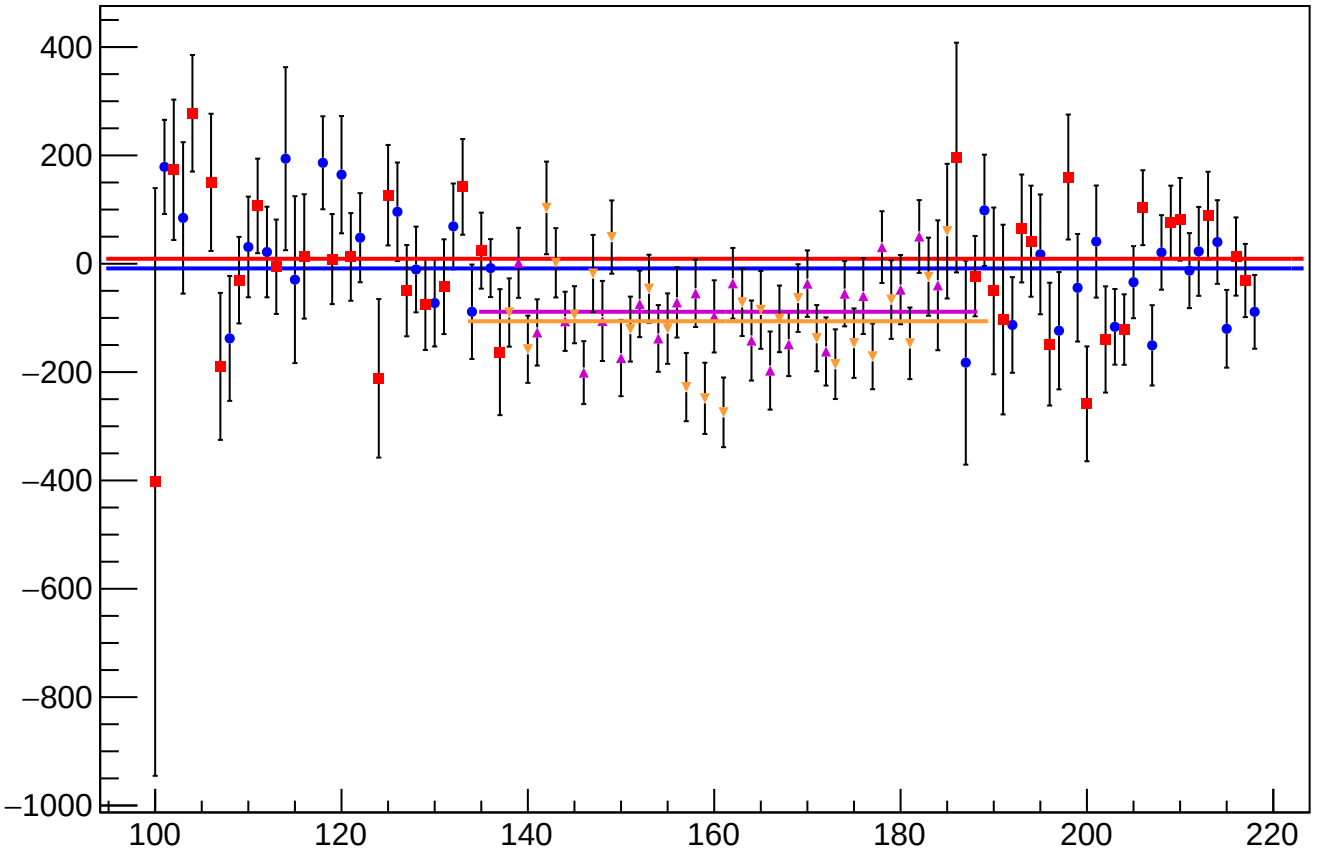
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 569.617+/-0.066 χ^2/NDF: 6306729.5/67

In: 397.070+/-0.048 χ^2/NDF:7591936.0/54

Out: 396.559+/-0.047 χ^2/NDF:8962335.6/60

All: 396.811+/-0.034 χ^2/NDF: 16554329.5/11



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: 9.171+/-15.316 χ^2/NDF: 47.0/35

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

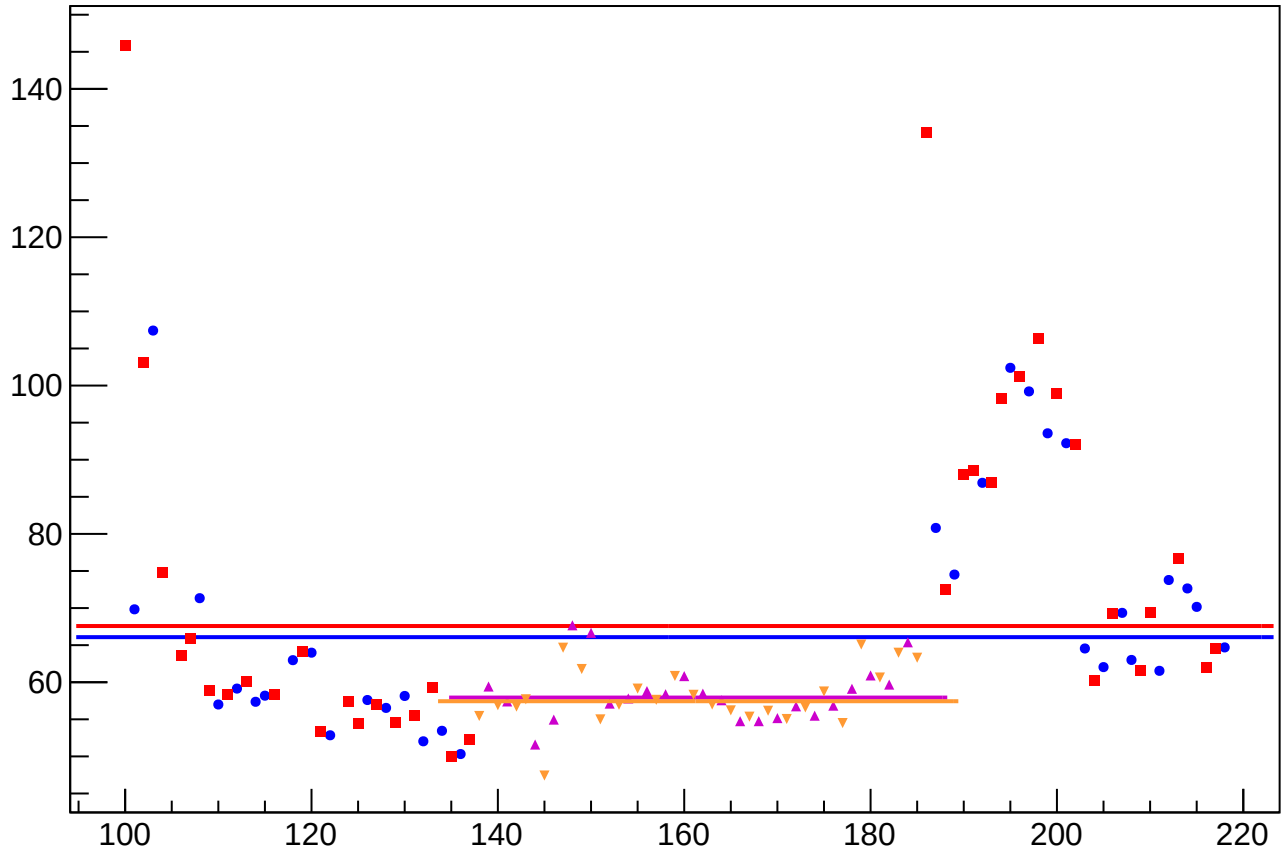
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 0.103+/-10.736 χ^2/NDF: 83.3/67

In: -52.780+/-10.077 χ^2/NDF:75.2/54

Out: -57.448+/-9.951 χ^2/NDF:120.4/60

All: -55.143+/-7.080 χ^2/NDF: 195.6/115



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: 67.579+/-0.011 χ^2/NDF: 1999417.3/35

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

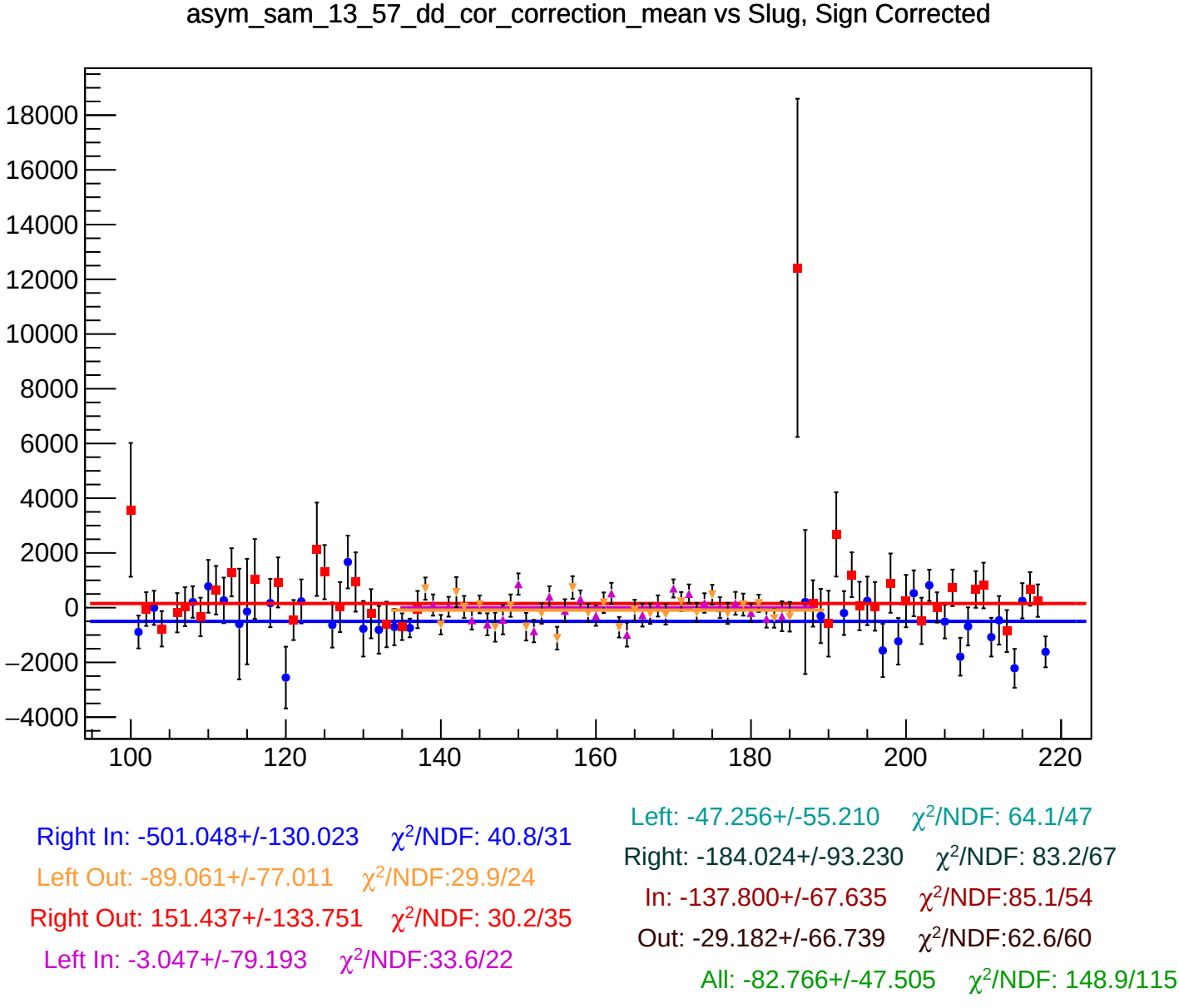
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.816+/-0.008 χ^2/NDF: 3520201.7/67

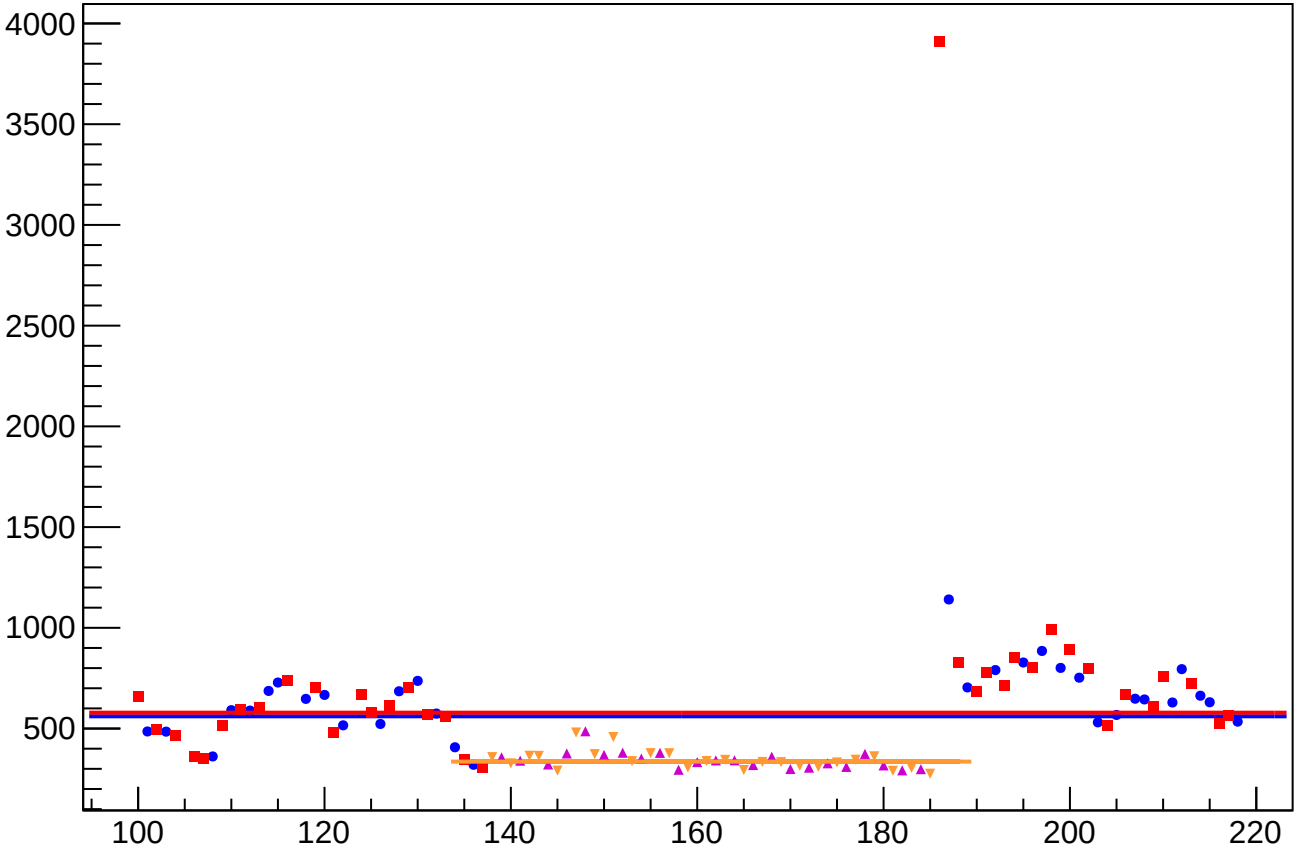
In: 61.584+/-0.007 χ^2/NDF:1970227.2/54

Out: 61.719+/-0.007 χ^2/NDF:2680442.3/60

All: 61.653+/-0.005 χ^2/NDF: 4650851.8/115


asym_sam_13_57_dd_cor_correction_mean vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -501.048+/-130.023 χ²/NDF: 40.8/31
Left Out: -89.061+/-77.011 χ²/NDF:29.9/24
Right Out: 151.437+/-133.751 χ²/NDF: 30.2/35
Left In: -3.047+/-79.193 χ²/NDF:33.6/22
Left: -47.256+/-55.210 χ²/NDF: 64.1/47
Right: -184.024+/-93.230 χ²/NDF: 83.2/67
In: -137.800+/-67.635 χ²/NDF:85.1/54
Out: -29.182+/-66.739 χ²/NDF:62.6/60
All: -82.766+/-47.505 χ²/NDF: 148.9/115

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: 578.882+/-0.095 χ^2/NDF: 3475497.6/35

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

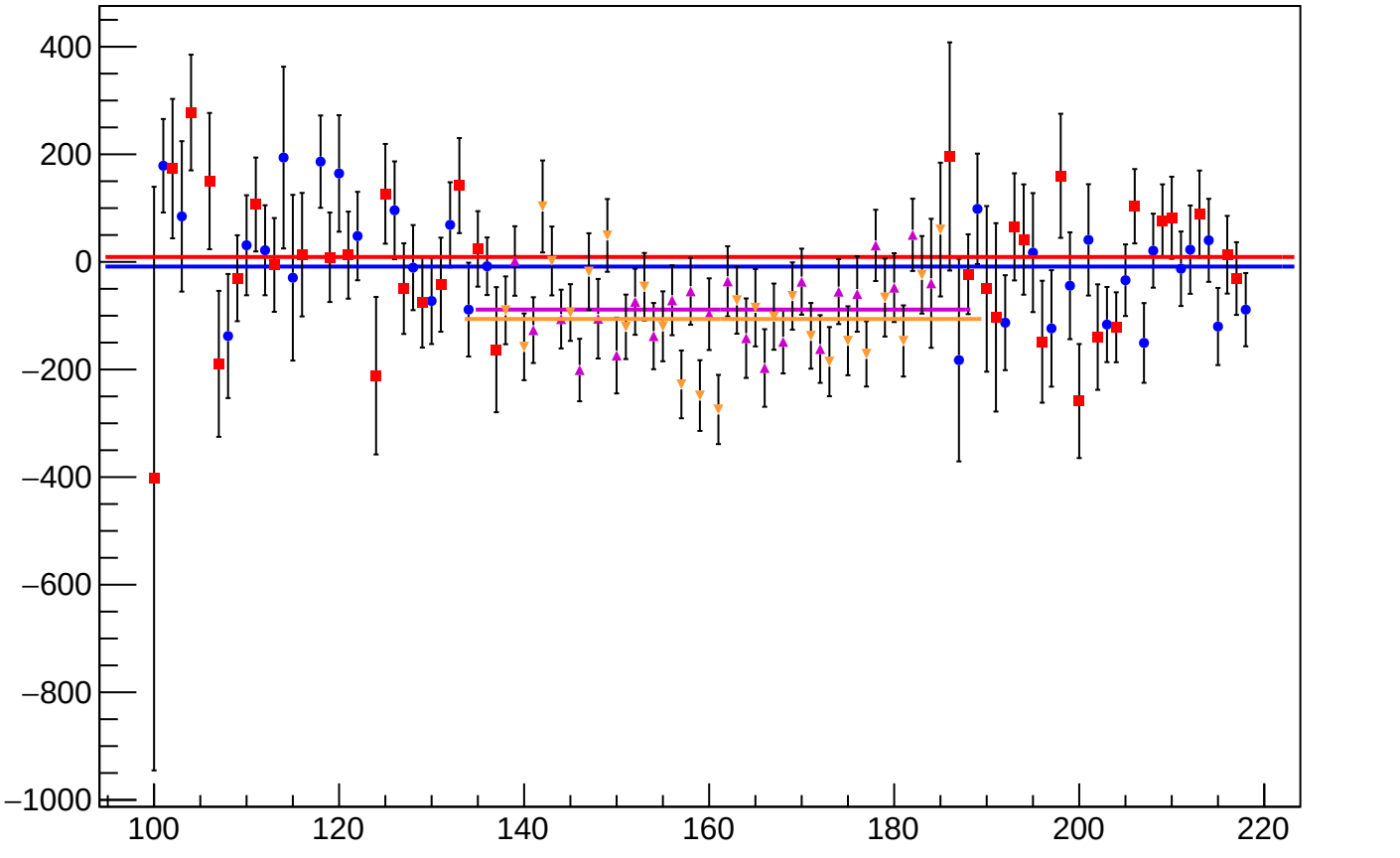
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

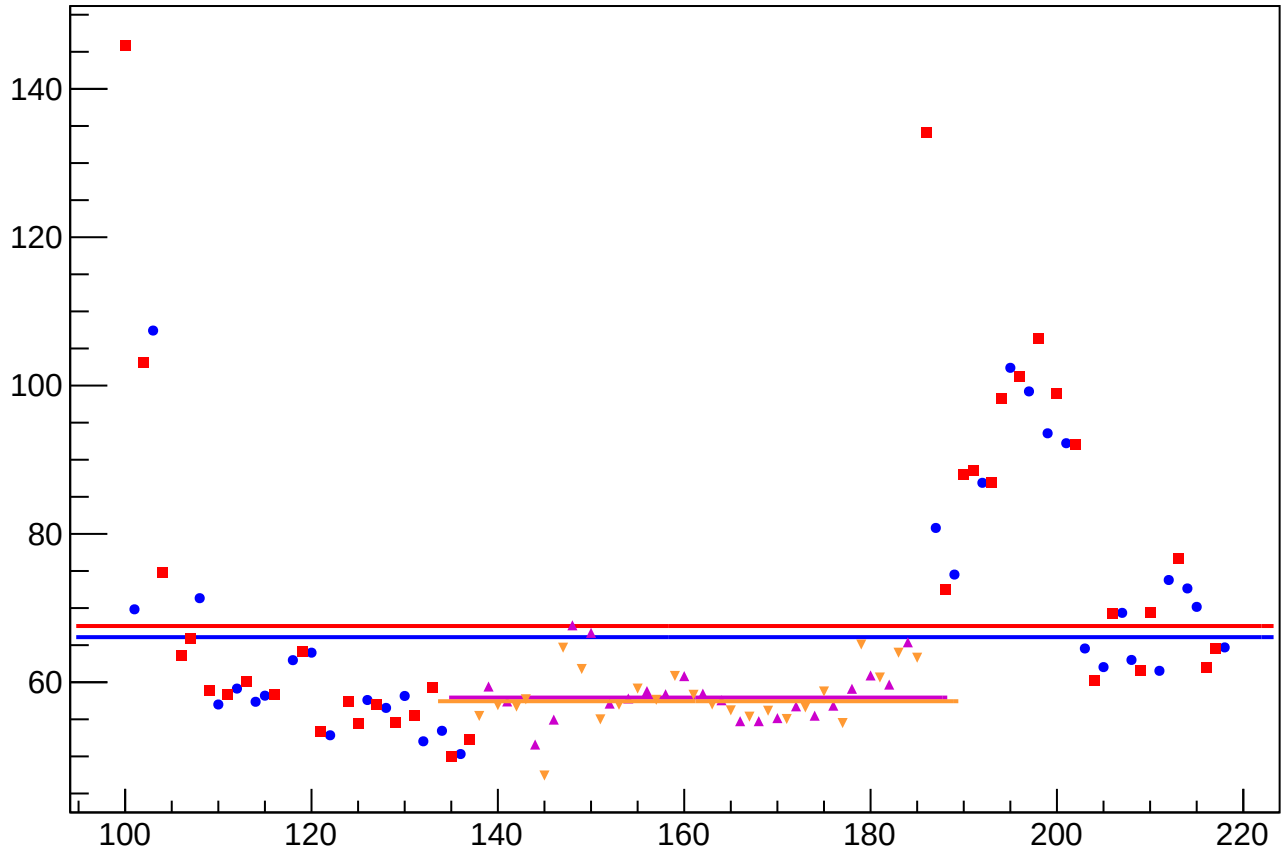
Right: 569.570+/-0.066 χ^2/NDF: 6325894.2/67

In: 397.070+/-0.048 χ^2/NDF:7591963.6/54

Out: 396.393+/-0.047 χ^2/NDF:8966754.5/60

All: 396.727+/-0.034 χ^2/NDF: 16558819.6/11


eigen_cor_asym_sam_13_57_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
220
Right In: -8.654+/-15.052 χ²/NDF: 35.7/31
Left Out: -106.099+/-13.089 χ²/NDF:40.7/24
Right Out: 9.171+/-15.316 χ²/NDF: 47.0/35
Left In: -88.621+/-13.566 χ²/NDF:23.9/22
Left: -97.673+/-9.420 χ²/NDF: 65.4/47
Right: 0.103+/-10.736 χ²/NDF: 83.3/67
In: -52.780+/-10.077 χ²/NDF:75.2/54
Out: -57.448+/-9.951 χ²/NDF:120.4/60
All: -55.143+/-7.080 χ²/NDF: 195.6/115



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: 67.579+/-0.011 χ^2/NDF: 1999417.3/35

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

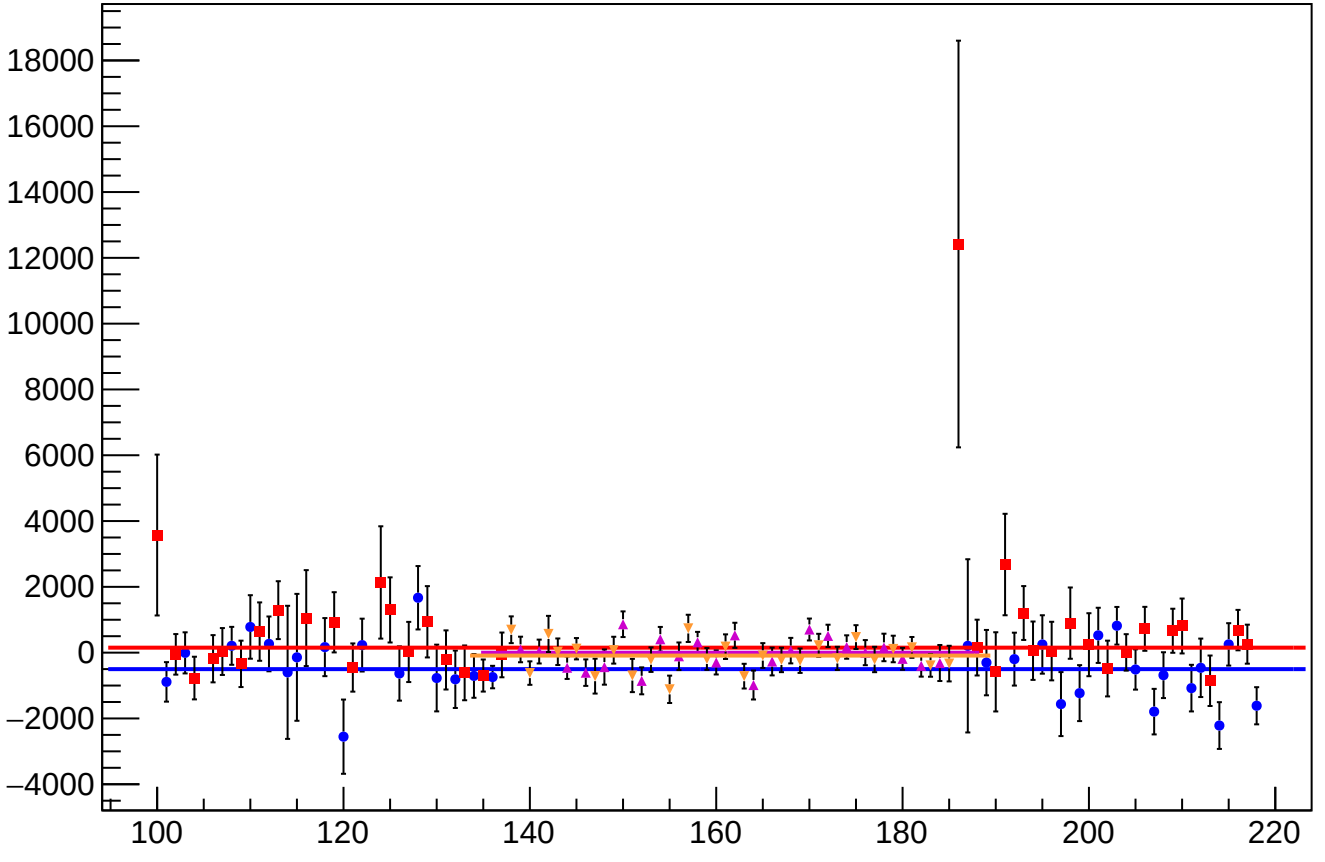
Right: 66.816+/-0.008 χ^2/NDF: 3520201.7/67

In: 61.584+/-0.007 χ^2/NDF:1970227.2/54

Out: 61.719+/-0.007 χ^2/NDF:2680442.3/60

All: 61.653+/-0.005 χ^2/NDF: 4650851.8/115

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: 151.437+/-133.751 χ^2/NDF: 30.2/35

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

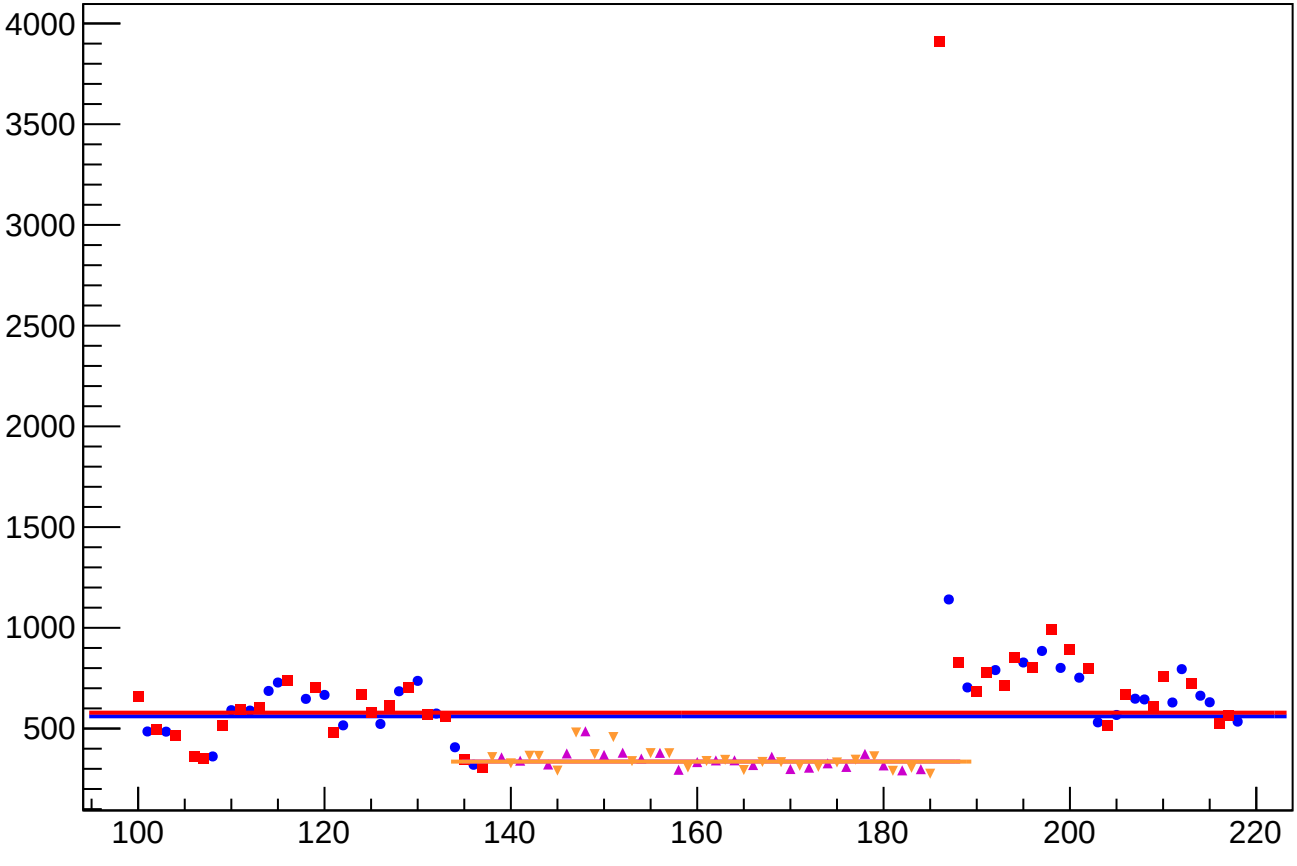
Right: -184.024+/-93.230 χ^2/NDF: 83.2/67

In: -137.800+/-67.635 χ^2/NDF:85.1/54

Out: -29.182+/-66.739 χ^2/NDF:62.6/60

All: -82.766+/-47.505 χ^2/NDF: 148.9/115

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: 578.882+/-0.095 χ^2/NDF: 3475497.6/35

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

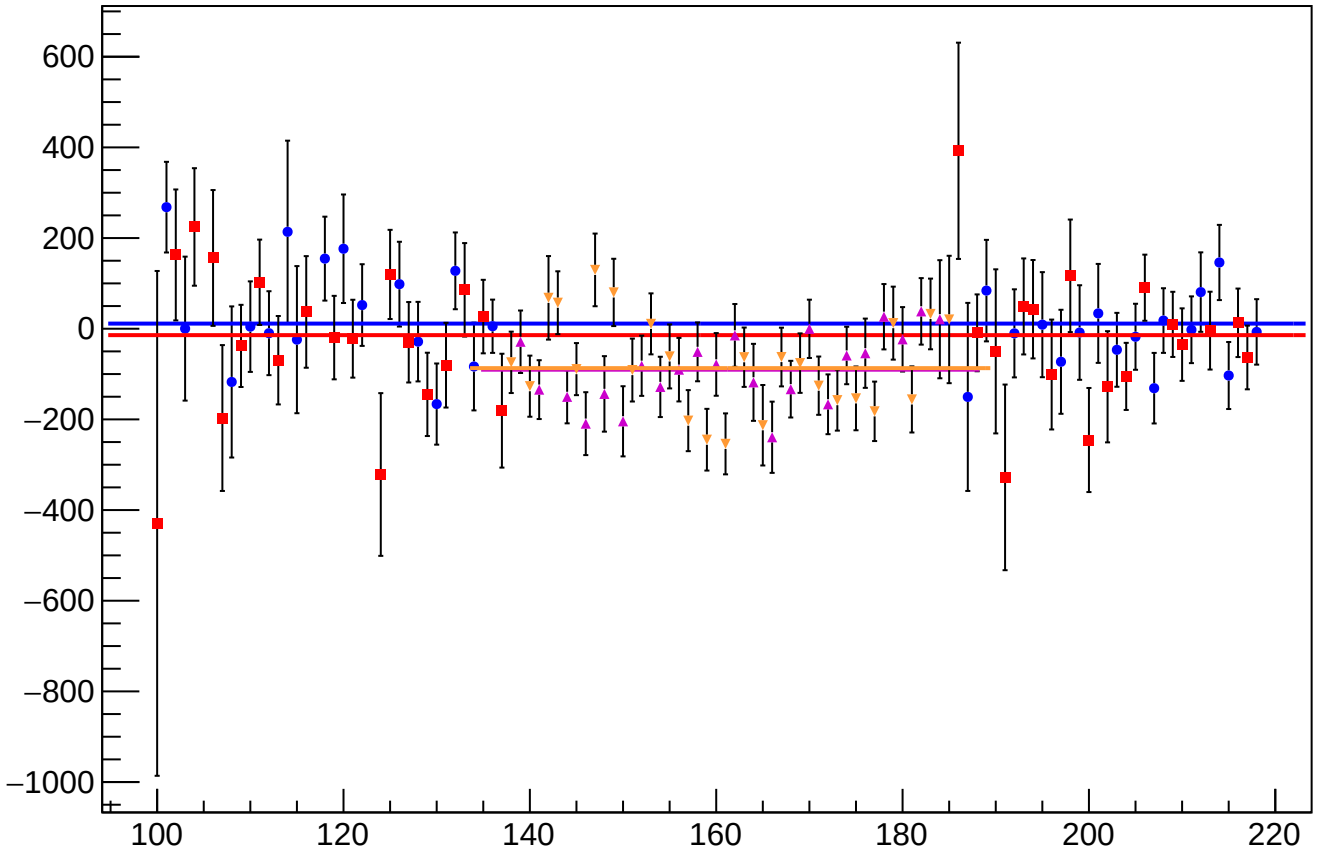
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 569.570+/-0.066 χ^2/NDF: 6325894.2/67

In: 397.070+/-0.048 χ^2/NDF:7591963.6/54

Out: 396.393+/-0.047 χ^2/NDF:8966754.5/60

All: 396.727+/-0.034 χ^2/NDF: 16558819.6/11



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: -14.142+/-16.780 χ^2/NDF: 37.3/35

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

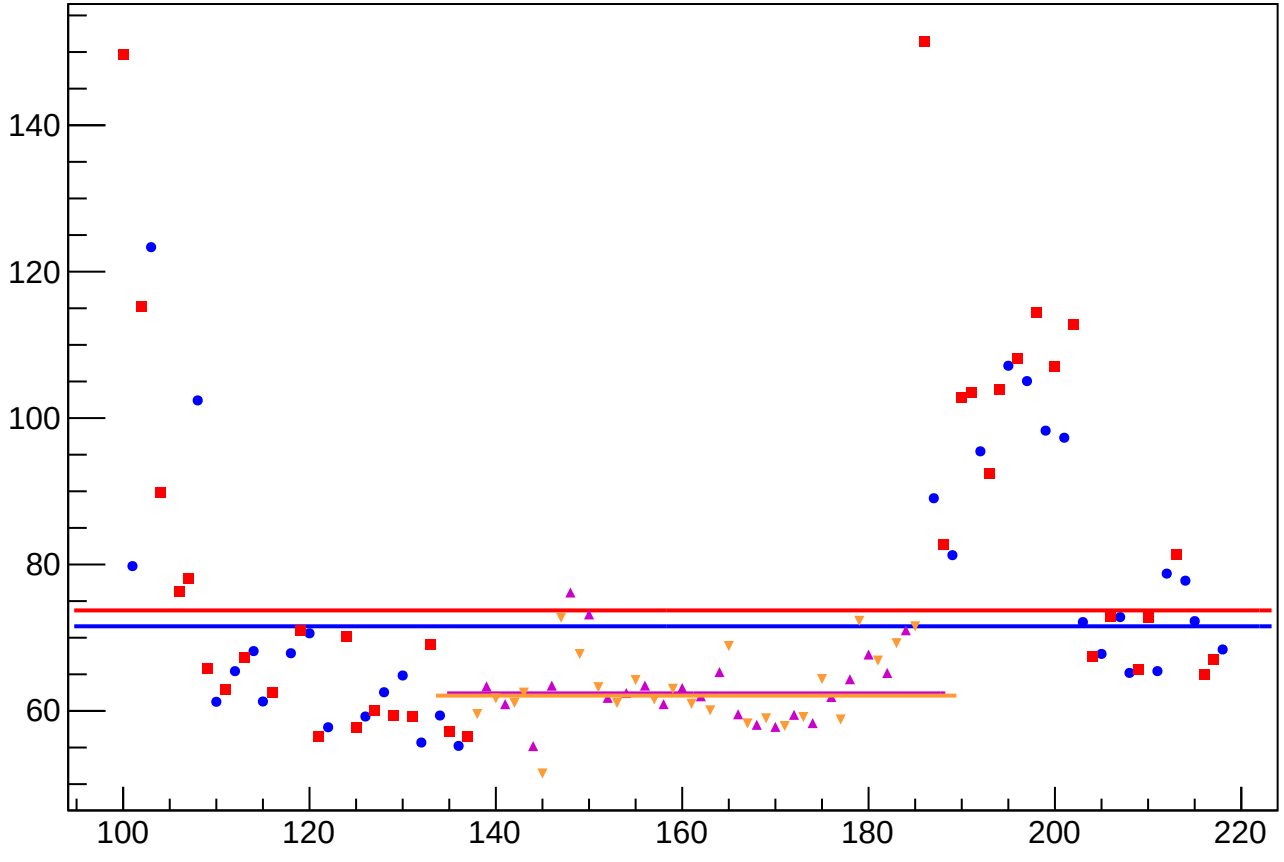
Right: -1.083+/-11.710 χ^2/NDF: 70.7/67

In: -45.061+/-10.913 χ^2/NDF:78.7/54

Out: -56.635+/-10.828 χ^2/NDF:97.1/60

All: -50.893+/-7.687 χ^2/NDF: 176.3/115

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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: 73.729+/-0.012 χ^2/NDF: 2103389.8/35

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

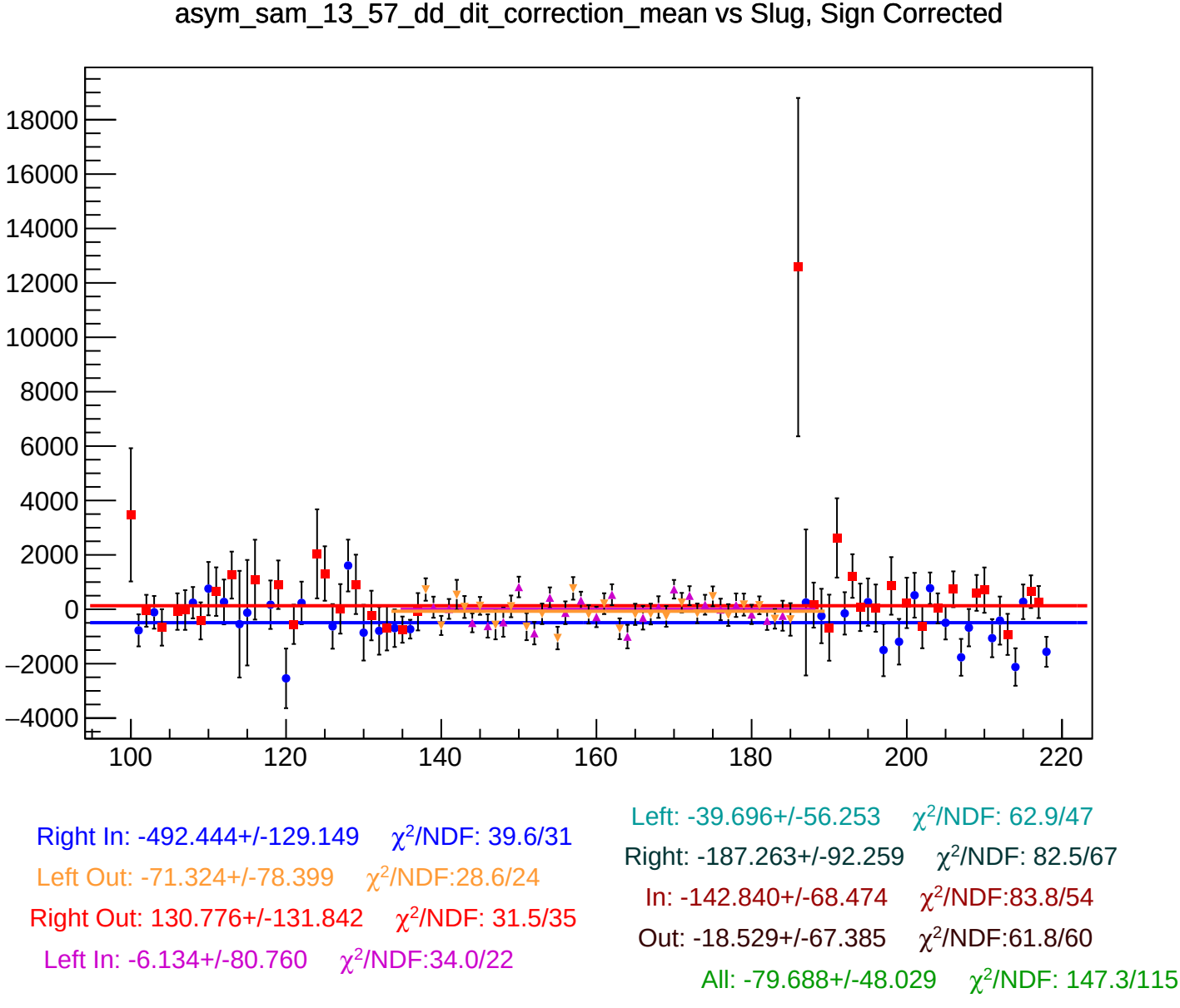
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

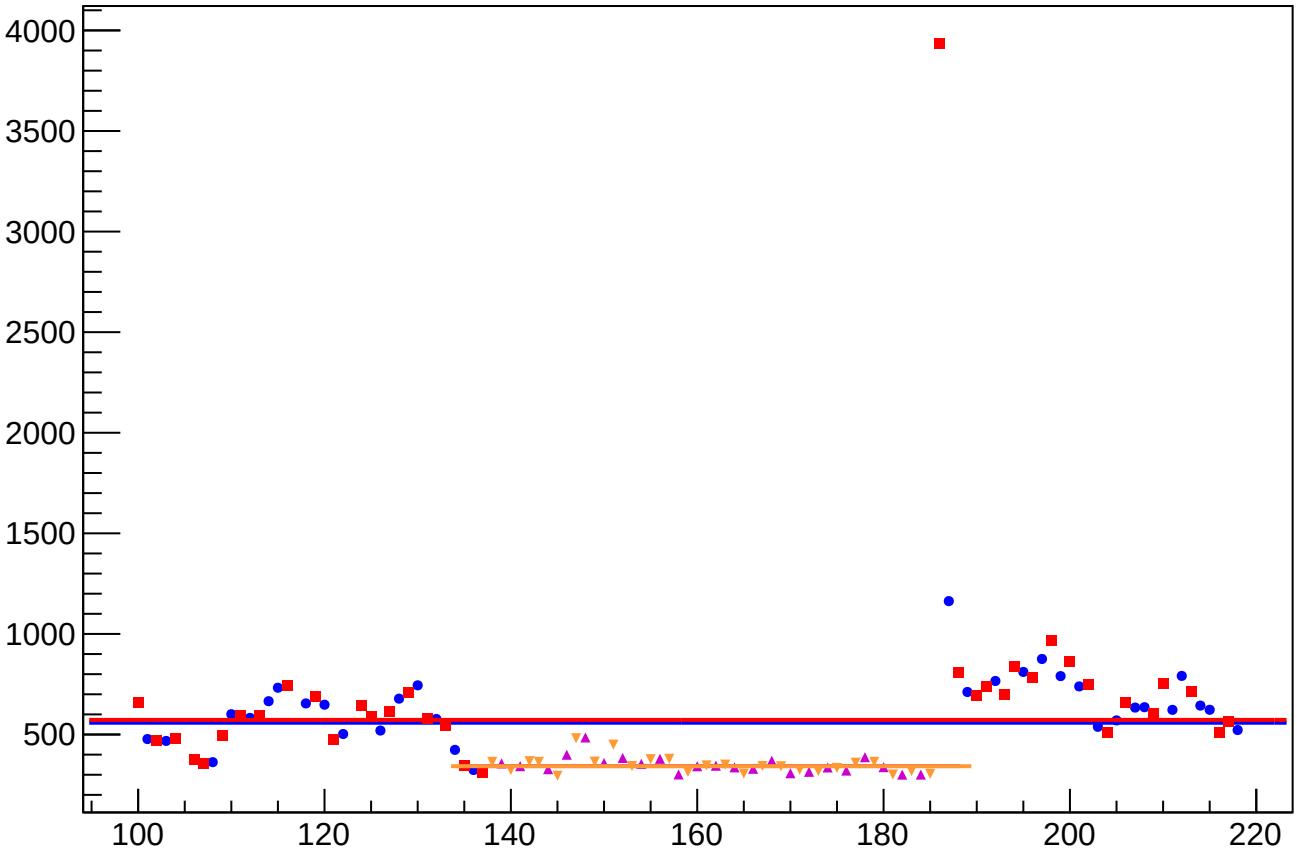
Right: 72.616+/-0.008 χ^2/NDF: 3644518.4/67

In: 66.478+/-0.008 χ^2/NDF:2061162.0/54

Out: 66.939+/-0.008 χ^2/NDF:2897949.1/60

All: 66.710+/-0.005 χ^2/NDF: 4960904.9/115


asym_sam_13_57_dd_dit_correction_mean vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -492.444+/-129.149 χ²/NDF: 39.6/31
Left Out: -71.324+/-78.399 χ²/NDF:28.6/24
Right Out: 130.776+/-131.842 χ²/NDF: 31.5/35
Left In: -6.134+/-80.760 χ²/NDF:34.0/22
Left: -39.696+/-56.253 χ²/NDF: 62.9/47
Right: -187.263+/-92.259 χ²/NDF: 82.5/67
In: -142.840+/-68.474 χ²/NDF:83.8/54
Out: -18.529+/-67.385 χ²/NDF:61.8/60
All: -79.688+/-48.029 χ²/NDF: 147.3/115



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: 572.714+/-0.093 χ^2/NDF: 3323506.4/35

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

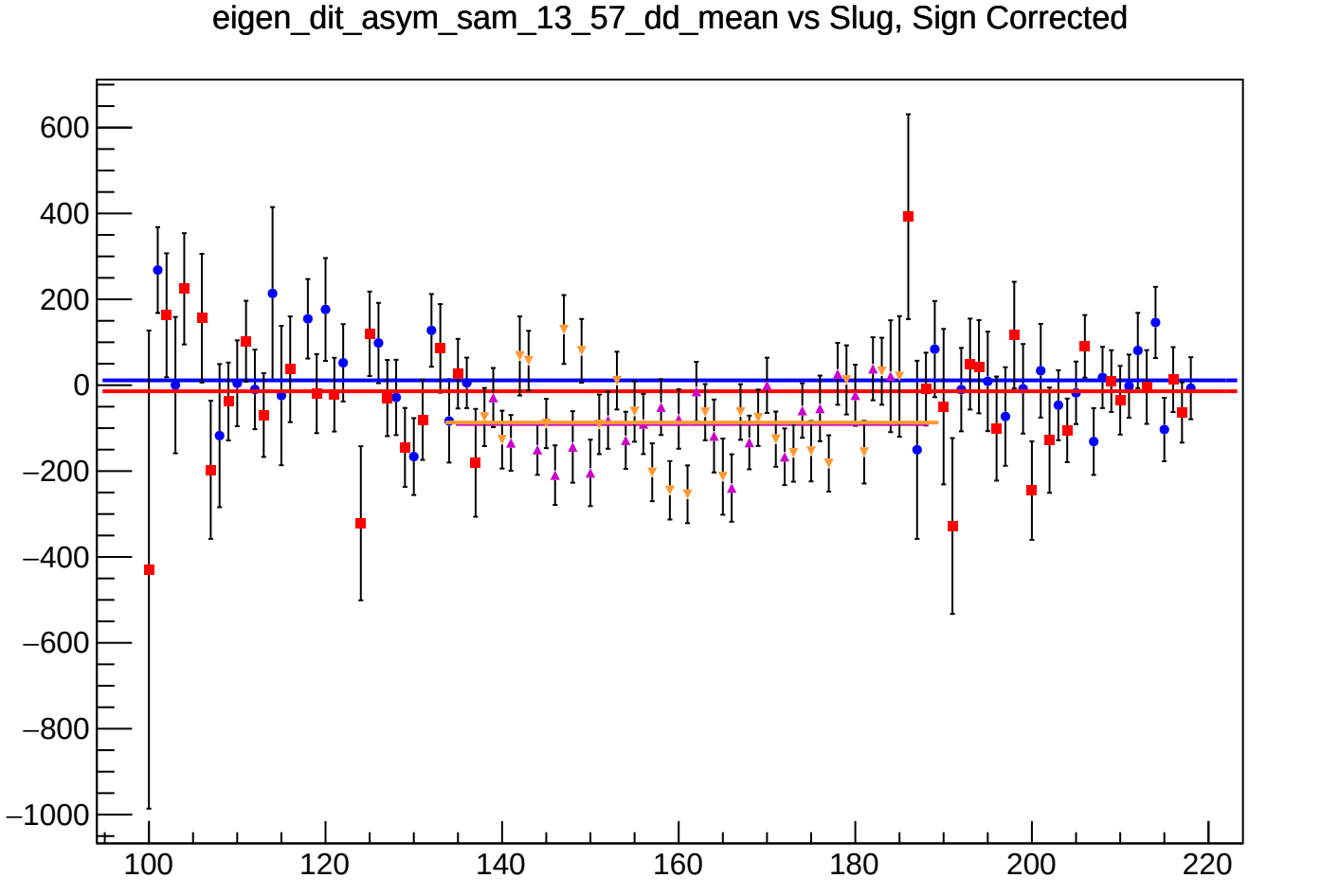
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 565.507+/-0.065 χ^2/NDF: 6022296.8/67

In: 403.781+/-0.048 χ^2/NDF:7057600.8/54

Out: 402.641+/-0.048 χ^2/NDF:8262608.0/60

All: 403.202+/-0.034 χ^2/NDF: 15320490.3/11



Right In: 11.315+/-16.350 χ^2/NDF: 32.2/31

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -14.142+/-16.780 χ^2/NDF: 37.3/35

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

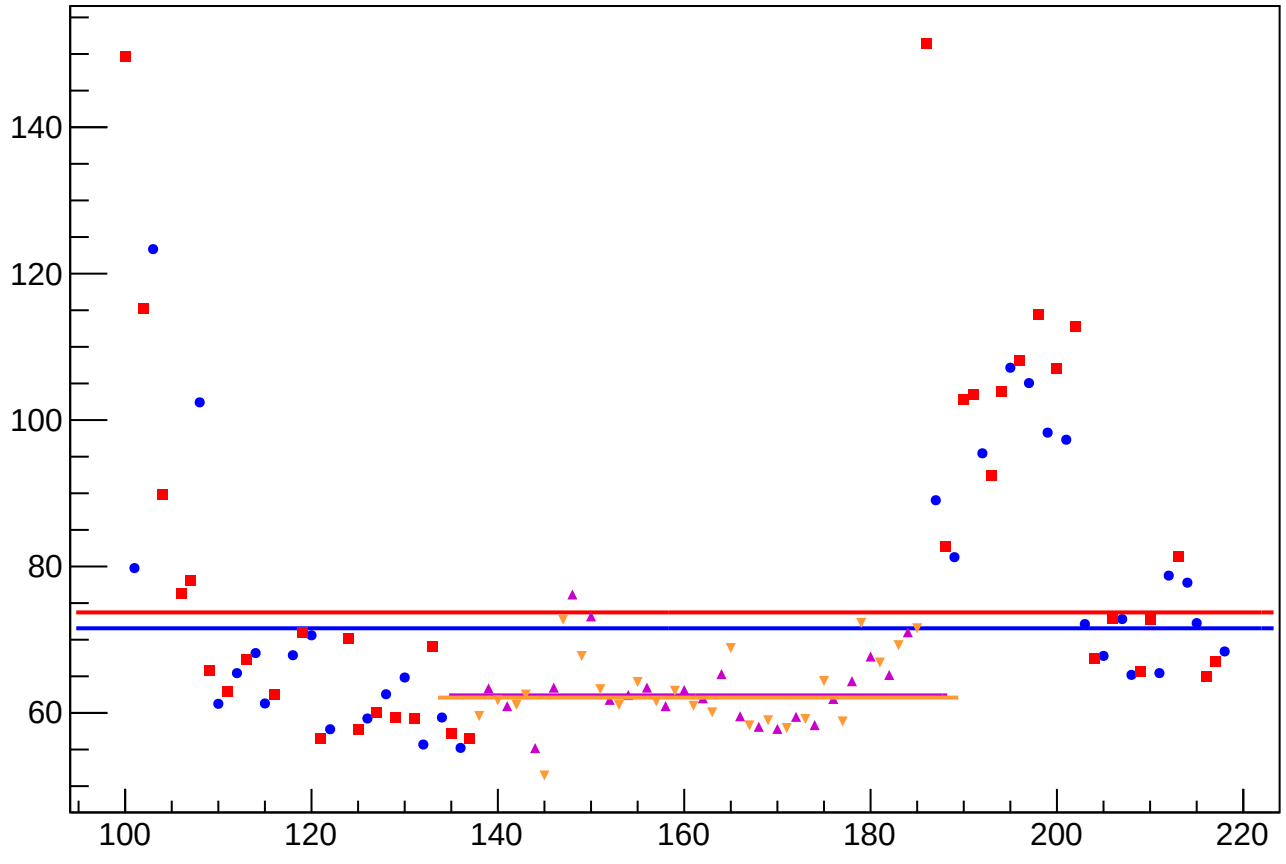
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: -1.083+/-11.710 χ^2/NDF: 70.7/67

In: -45.060+/-10.913 χ^2/NDF:78.7/54

Out: -56.635+/-10.828 χ^2/NDF:97.1/60

All: -50.893+/-7.687 χ^2/NDF: 176.3/115



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: 73.729+/-0.012 χ^2/NDF: 2103393.7/35

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

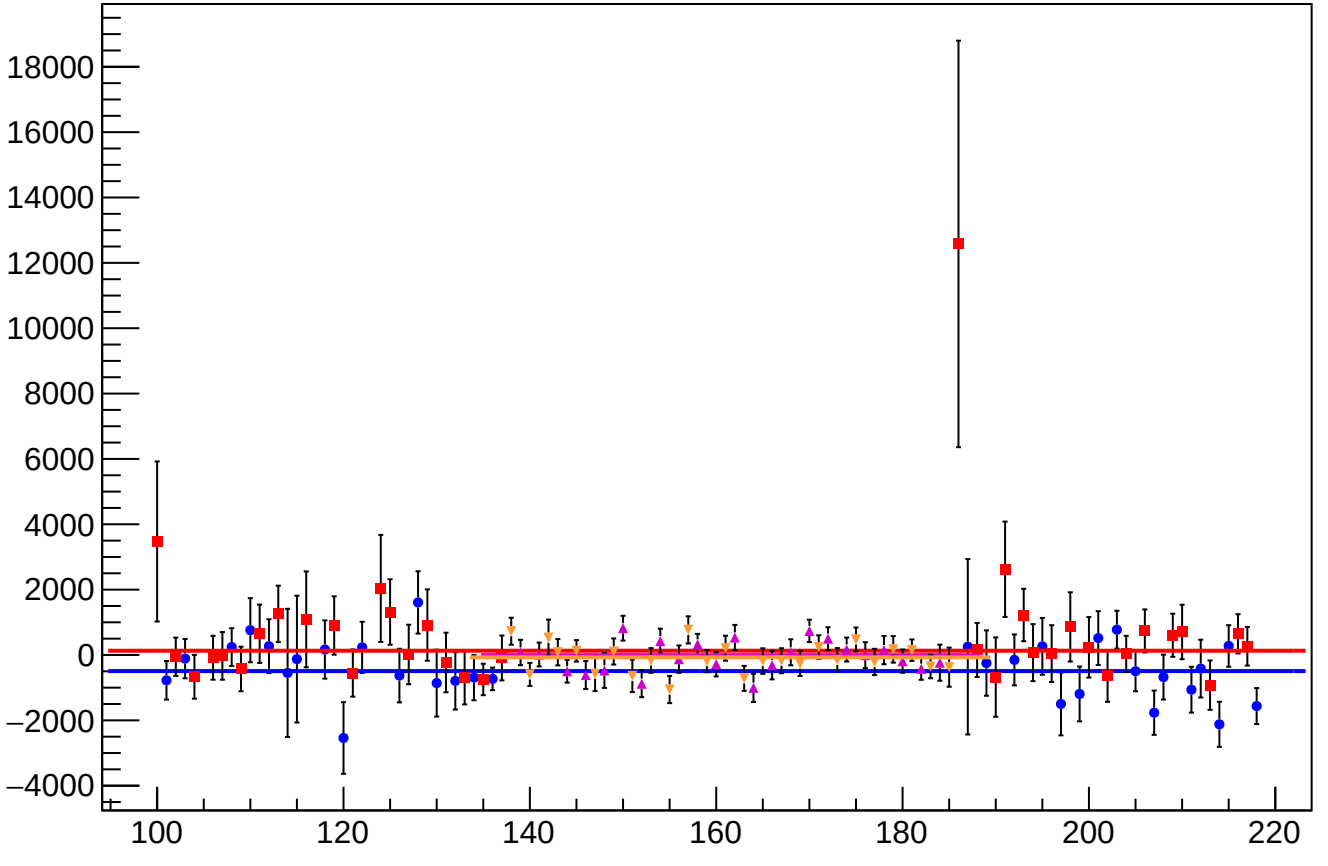
Right: 72.616+/-0.008 χ^2/NDF: 3644544.3/67

In: 66.478+/-0.008 χ^2/NDF:2061183.6/54

Out: 66.939+/-0.008 χ^2/NDF:2897952.4/60

All: 66.710+/-0.005 χ^2/NDF: 4960929.7/115

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: 130.776+/-131.842 χ^2/NDF: 31.5/35

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

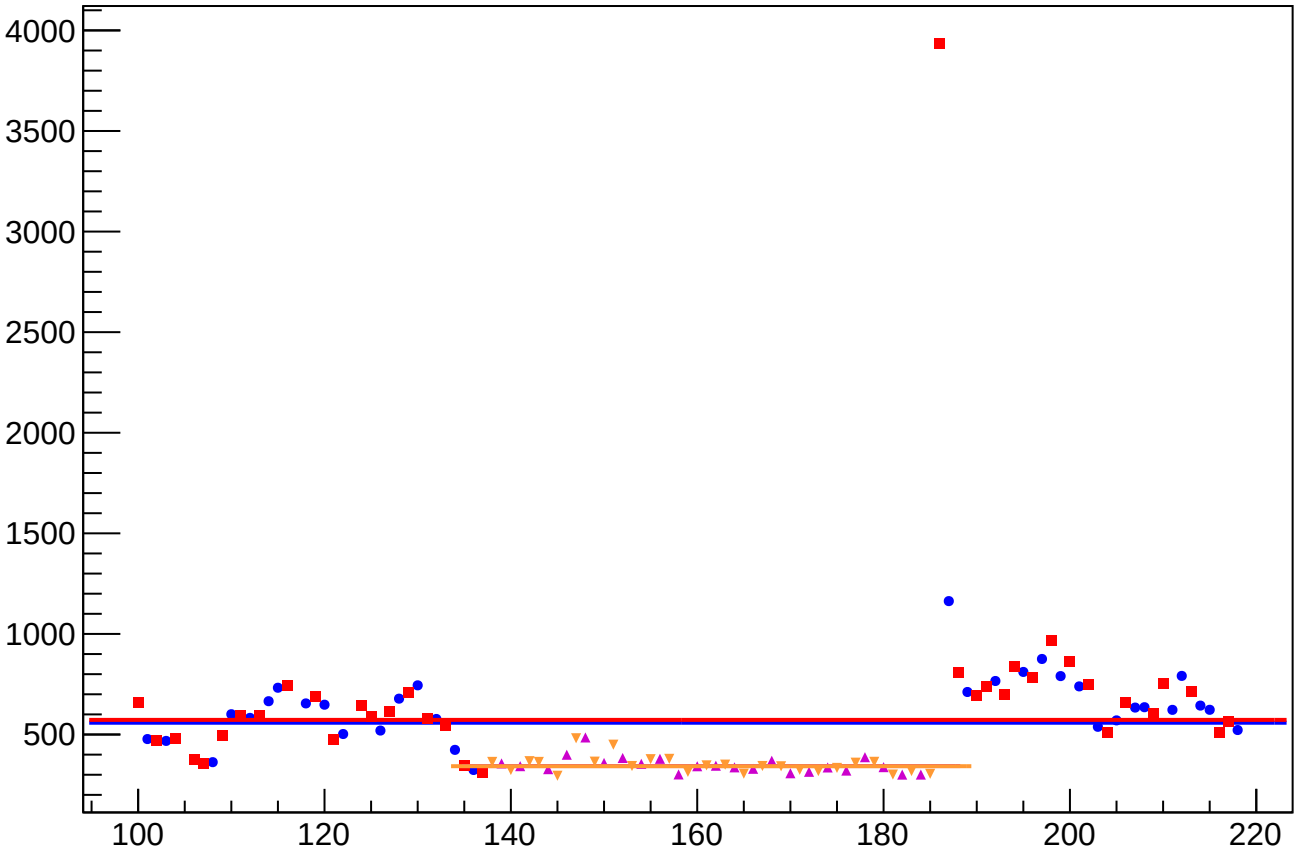
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

Right: -187.263+/-92.259 χ^2/NDF: 82.5/67

In: -142.840+/-68.474 χ^2/NDF:83.8/54

Out: -18.529+/-67.385 χ^2/NDF:61.8/60

All: -79.688+/-48.029 χ^2/NDF: 147.3/115



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: 572.713+/-0.093 χ^2/NDF: 3323512.1/35

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

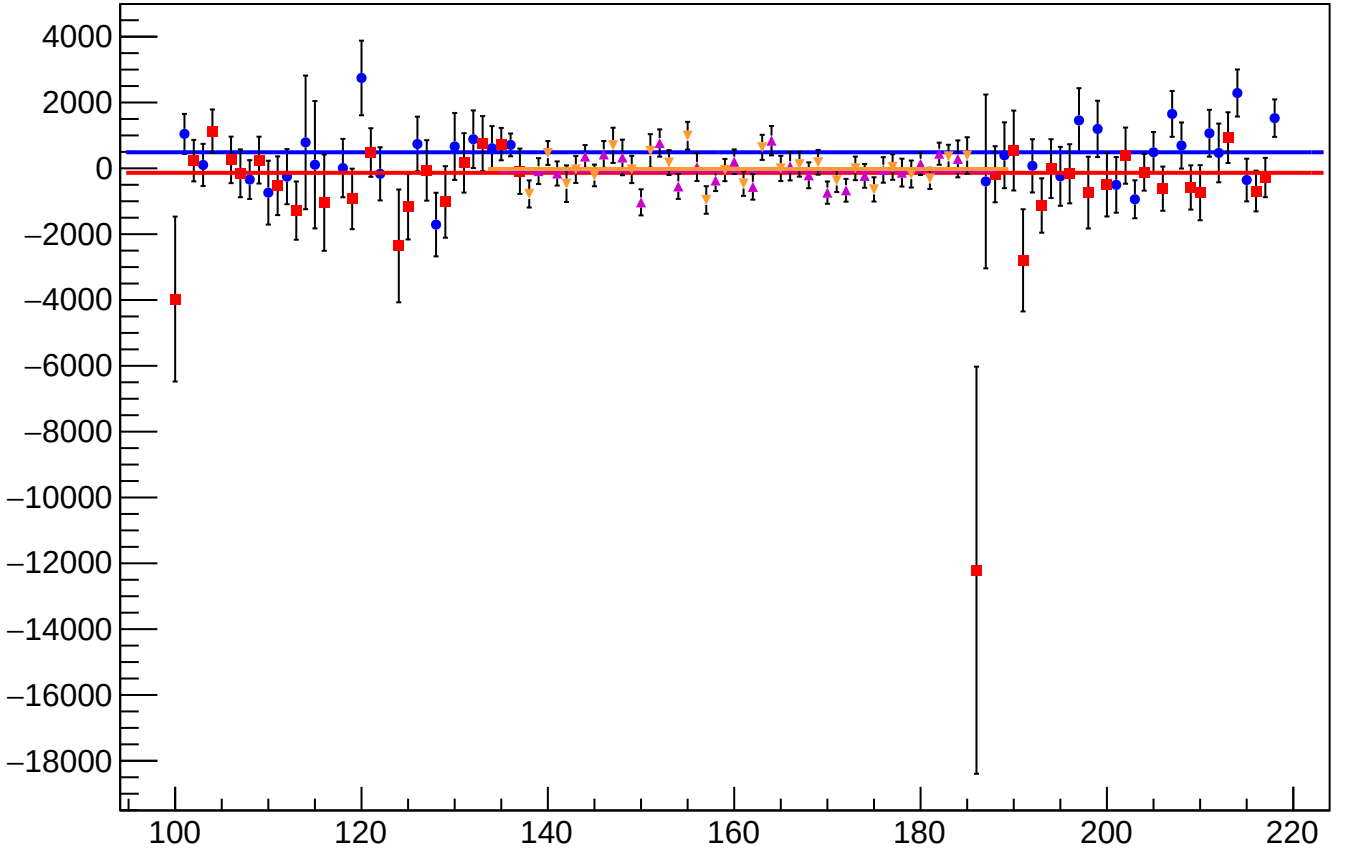
Right: 565.507+/-0.065 χ^2/NDF: 6022305.7/67

In: 403.781+/-0.048 χ^2/NDF:7057583.2/54

Out: 402.641+/-0.048 χ^2/NDF:8262594.5/60

All: 403.202+/-0.034 χ^2/NDF: 15320459.3/11

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: -136.340+/-134.775 χ^2/NDF: 32.1/35

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

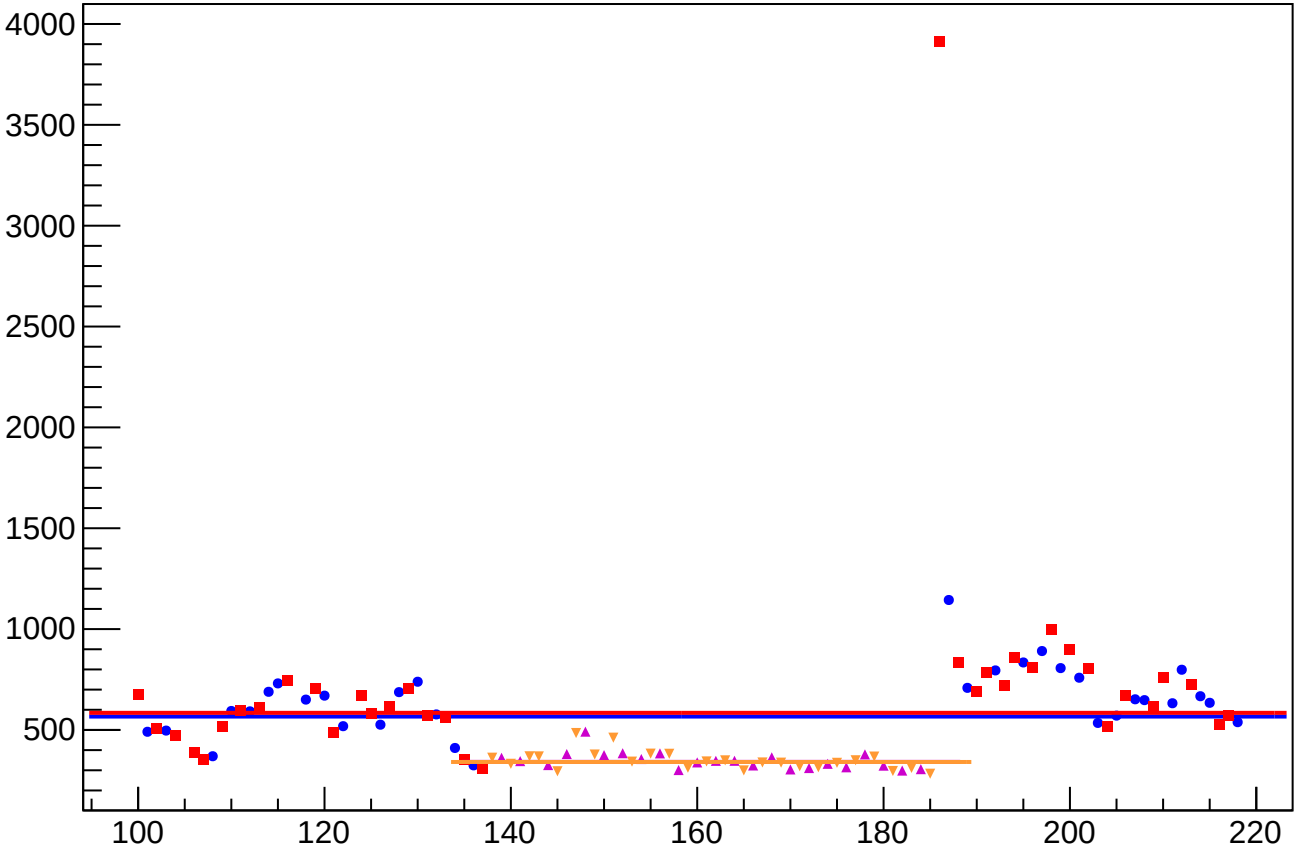
Right: 184.182+/-94.010 χ^2/NDF: 84.7/67

In: 76.008+/-68.558 χ^2/NDF:88.1/54

Out: -49.504+/-67.636 χ^2/NDF:64.1/60

All: 12.403+/-48.149 χ^2/NDF: 153.9/115

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: 584.823+/-0.095 χ^2/NDF: 3388509.9/35

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

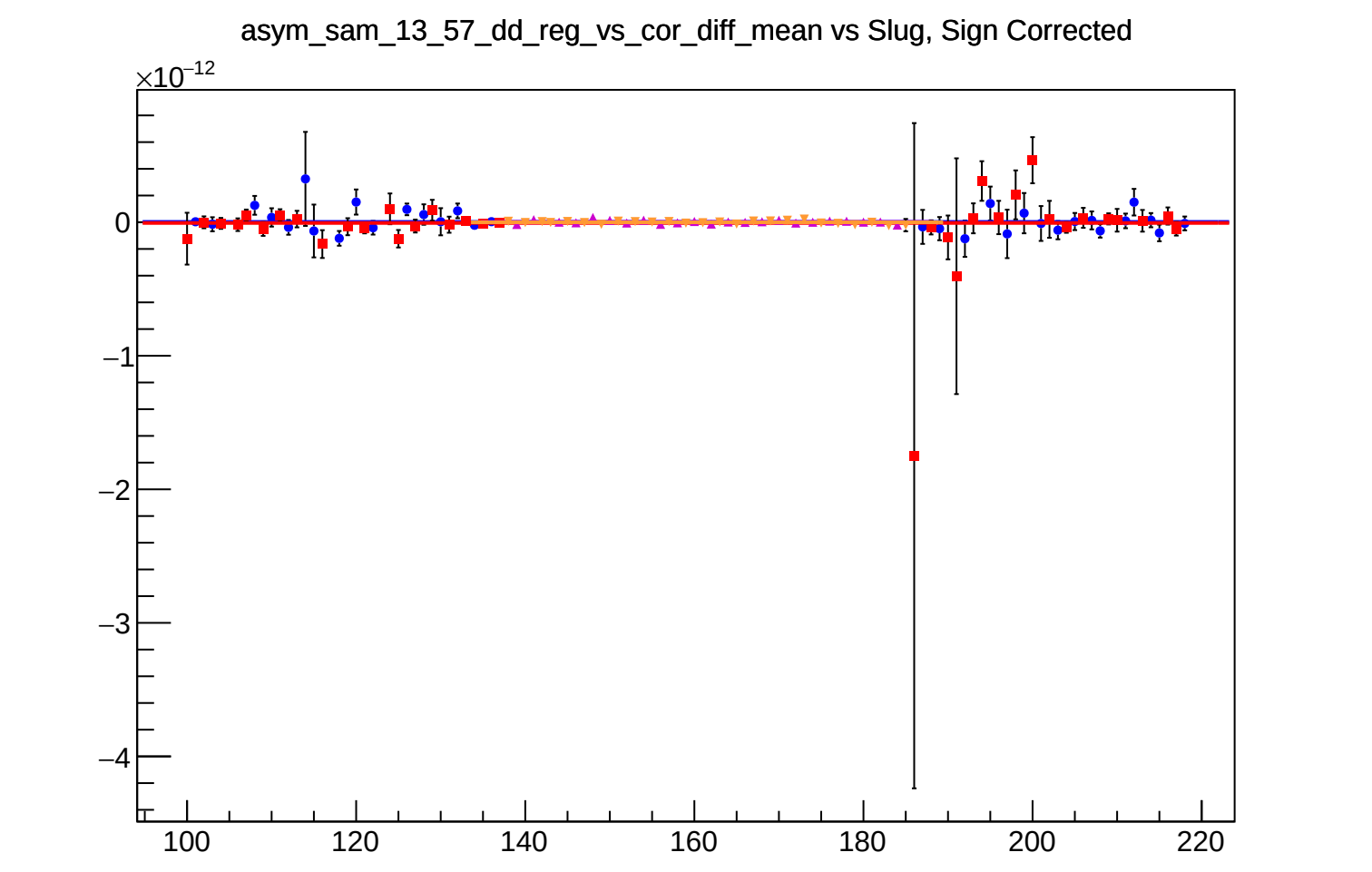
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 575.352+/-0.066 χ^2/NDF: 6171491.4/67

In: 402.996+/-0.048 χ^2/NDF:7427436.1/54

Out: 402.556+/-0.048 χ^2/NDF:8788579.7/60

All: 402.773+/-0.034 χ^2/NDF: 16216057.6/11



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: 32.0/35

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

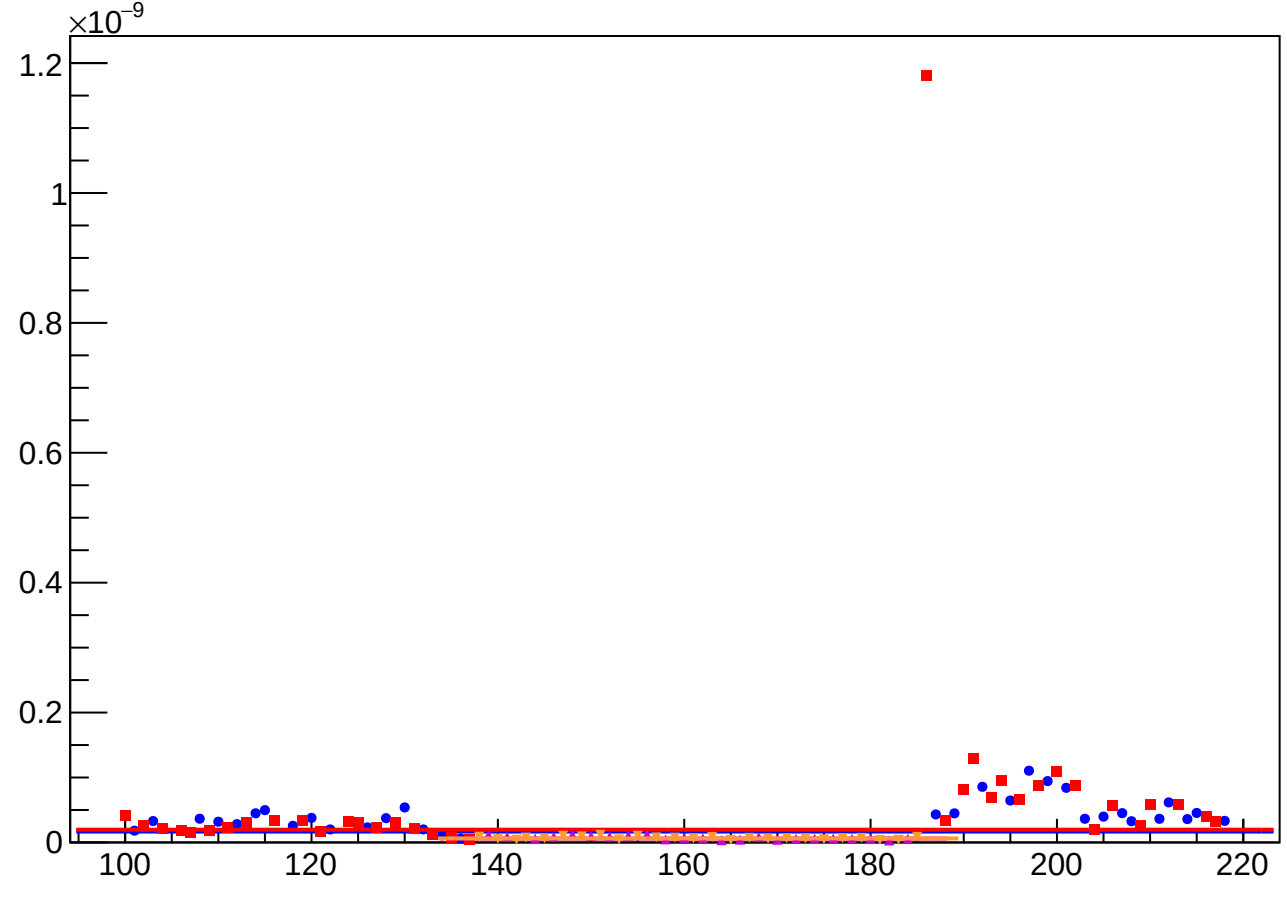
Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

Right: -0.000+/-0.000 χ^2/NDF: 63.4/67

In: 0.000+/-0.000 χ^2/NDF:45.3/54

Out: -0.000+/-0.000 χ^2/NDF:51.6/60

All: 0.000+/-0.000 χ^2/NDF: 97.7/115



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: 7521830.7/35

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

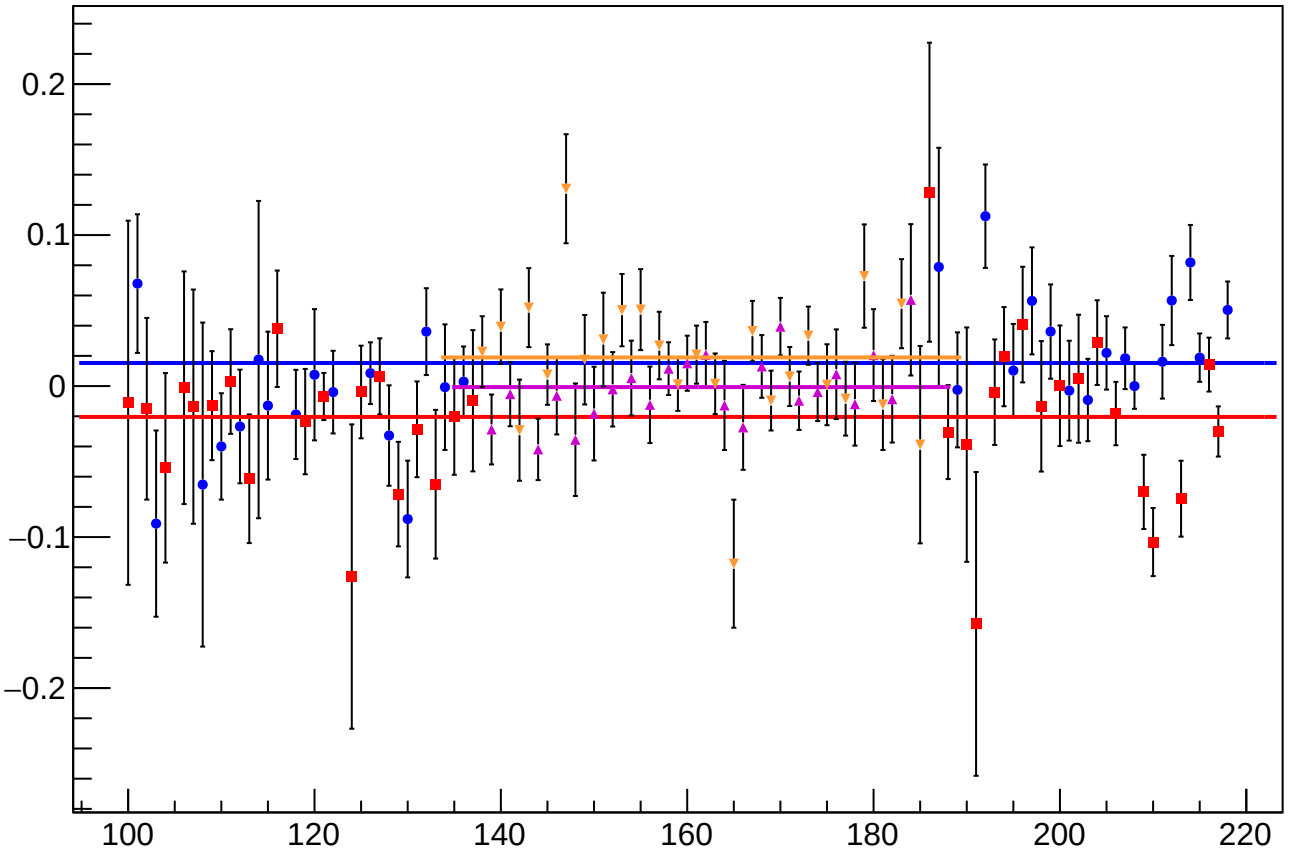
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16451278.8/67

In: 0.000+/-0.000 χ^2/NDF:14281079.6/54

Out: 0.000+/-0.000 χ^2/NDF:13564595.1/60

All: 0.000+/-0.000 χ^2/NDF: 27847993.7/115



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: -0.020+/-0.005 χ^2/NDF: 49.1/35

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

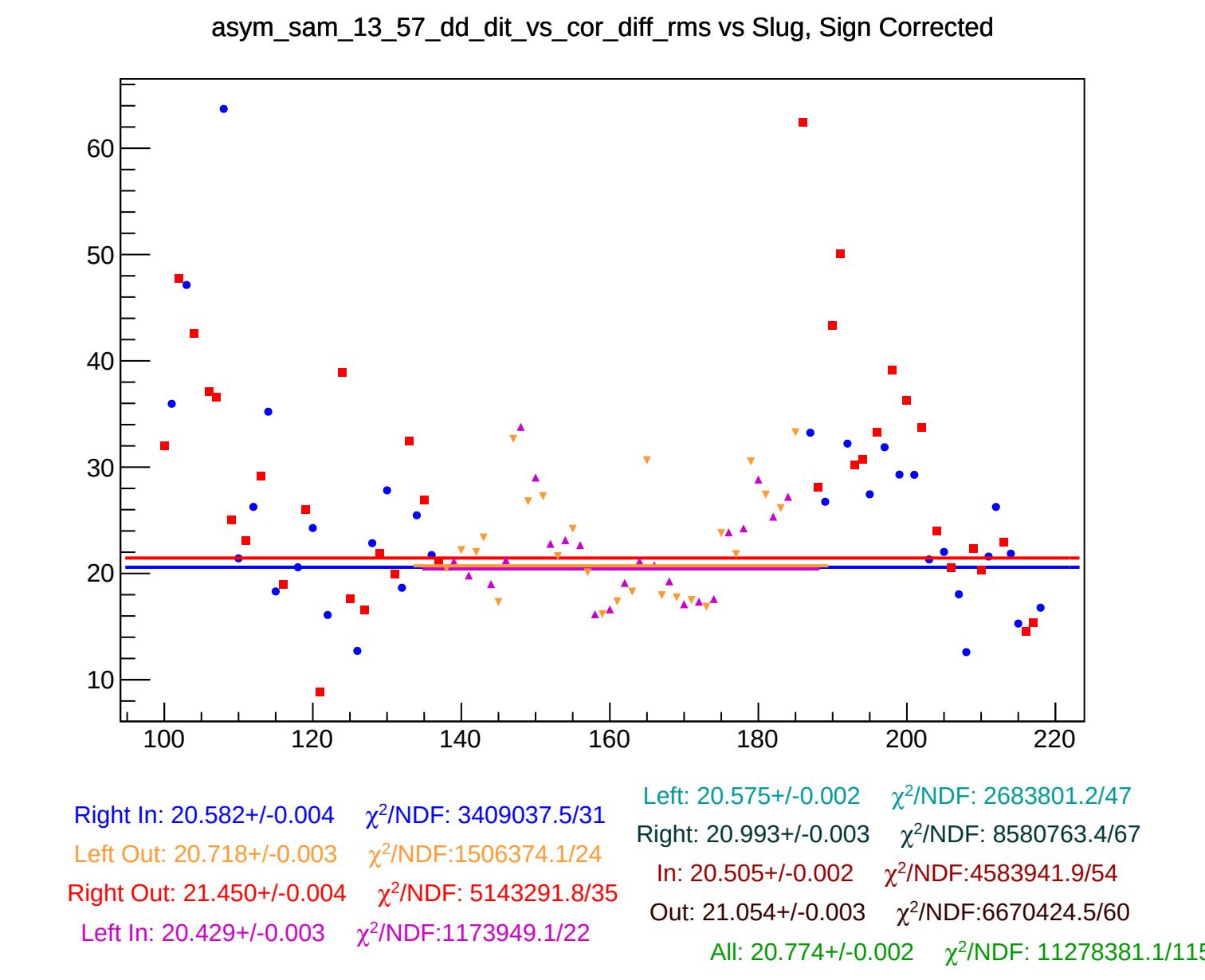
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

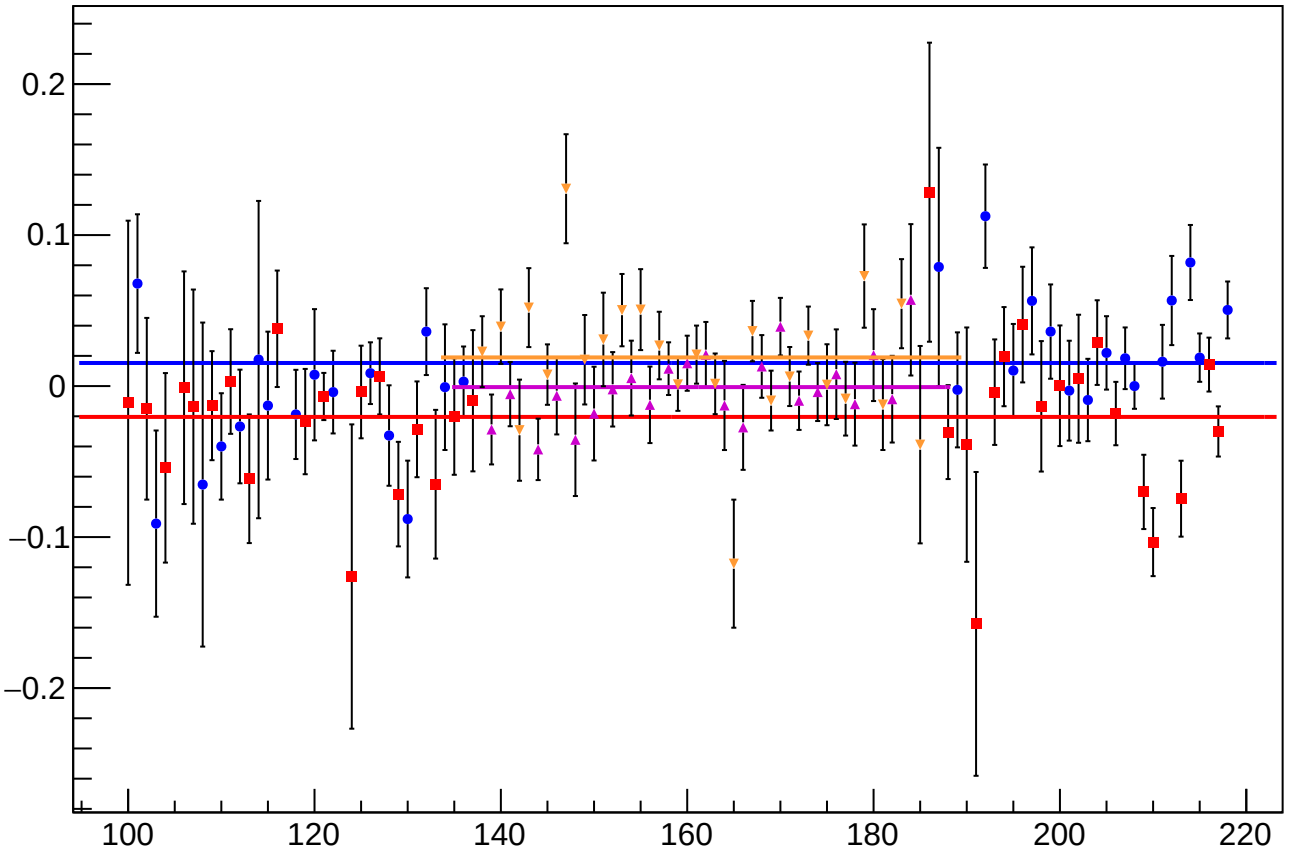
Right: -0.002+/-0.004 χ^2/NDF: 119.9/67

In: 0.007+/-0.004 χ^2/NDF:69.5/54

Out: 0.001+/-0.004 χ^2/NDF:120.3/60

All: 0.004+/-0.003 χ^2/NDF: 191.4/115


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: 21.450+/-0.004 χ²/NDF: 5143291.8/35
Left In: 20.429+/-0.003 χ²/NDF:1173949.1/22
Left: 20.575+/-0.002 χ²/NDF: 2683801.2/47
Right: 20.993+/-0.003 χ²/NDF: 8580763.4/67
In: 20.505+/-0.002 χ²/NDF:4583941.9/54
Out: 21.054+/-0.003 χ²/NDF:6670424.5/60
All: 20.774+/-0.002 χ²/NDF: 11278381.1/115



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: -0.020+/-0.005 χ^2/NDF: 49.1/35

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

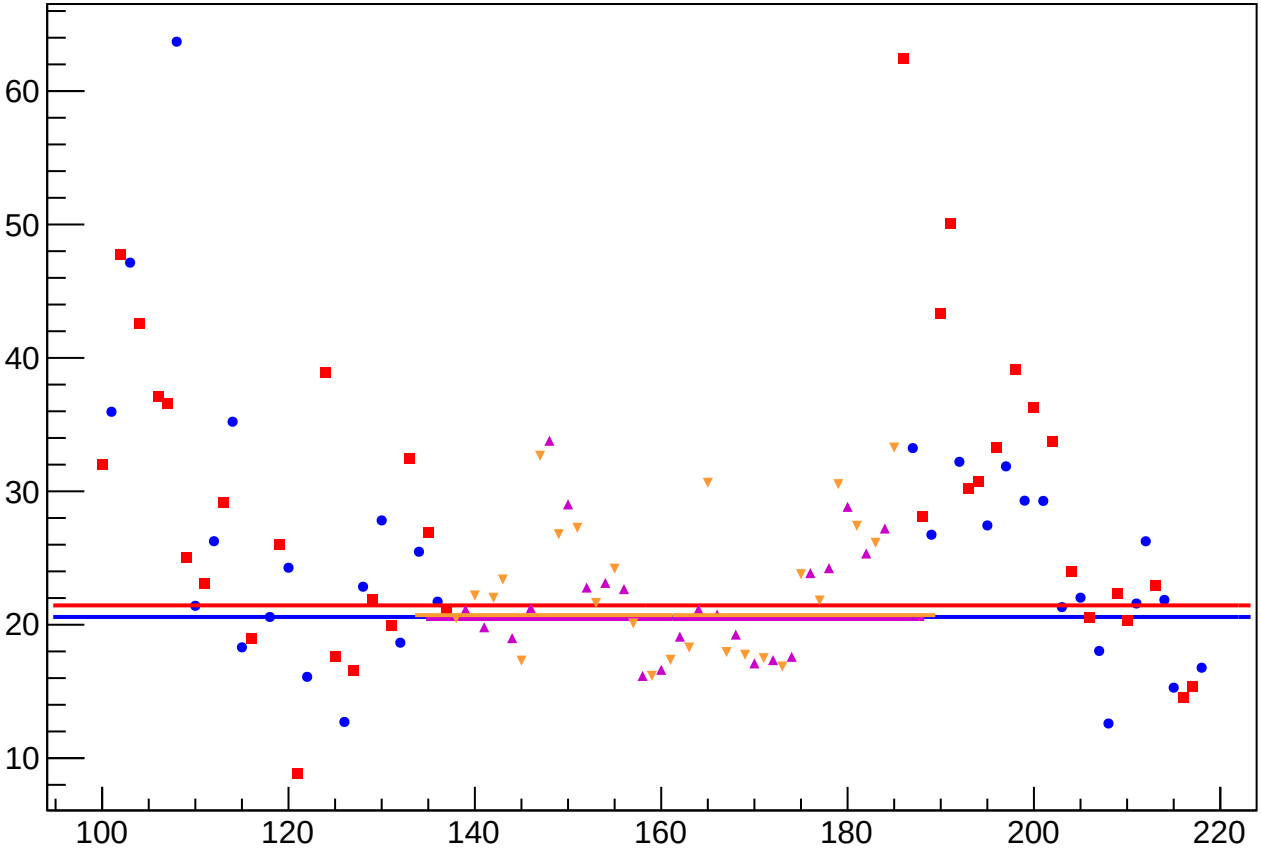
Right: -0.002+/-0.004 χ^2/NDF: 119.9/67

In: 0.007+/-0.004 χ^2/NDF:69.5/54

Out: 0.001+/-0.004 χ^2/NDF:120.3/60

All: 0.004+/-0.003 χ^2/NDF: 191.4/115

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: 21.450+/-0.004 χ^2/NDF: 5143291.8/35

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

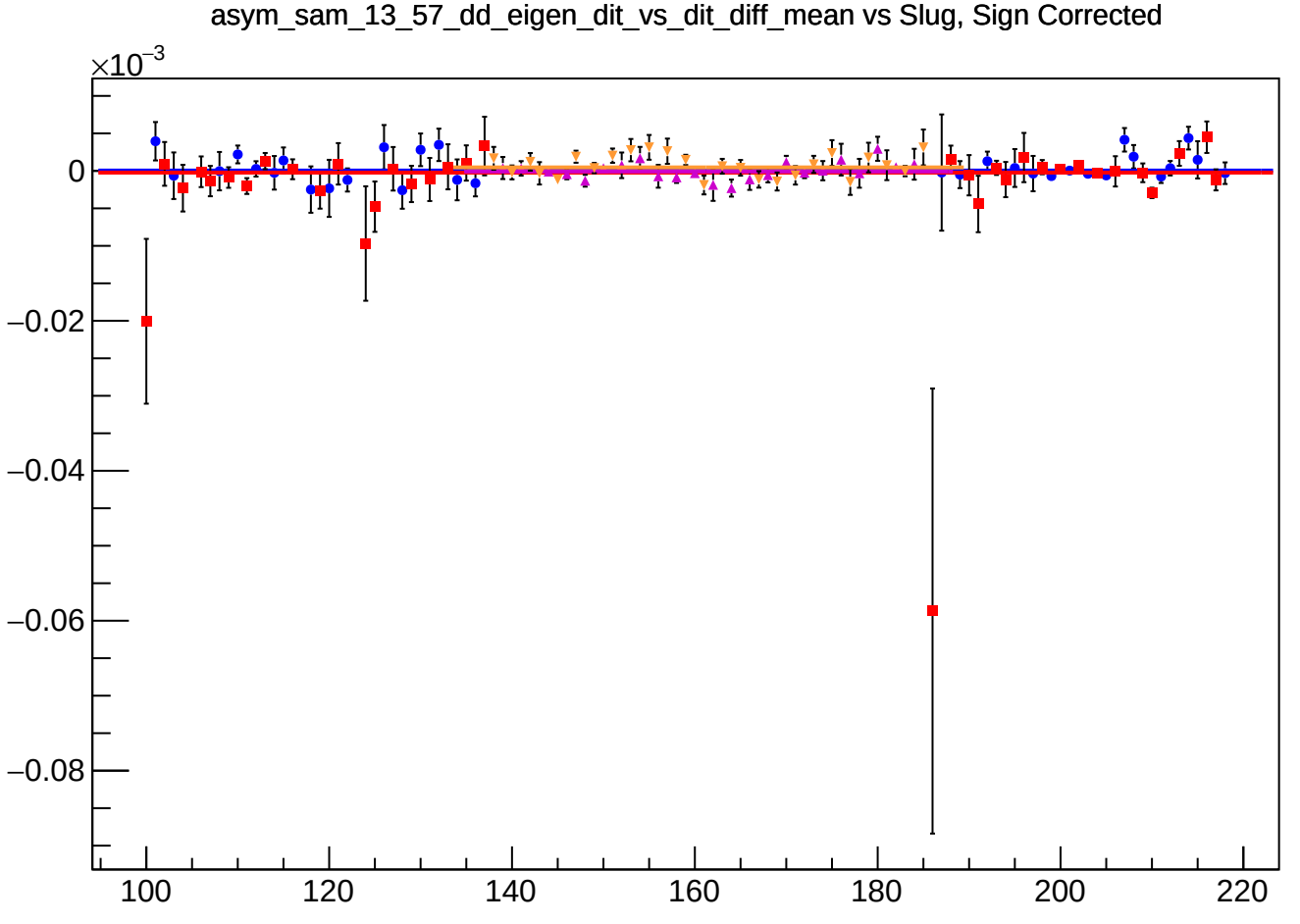
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 20.993+/-0.003 χ^2/NDF: 8580763.4/67

In: 20.505+/-0.002 χ^2/NDF:4583941.9/54

Out: 21.054+/-0.003 χ^2/NDF:6670424.5/60

All: 20.774+/-0.002 χ^2/NDF: 11278381.1/115



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: 50.0/35

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

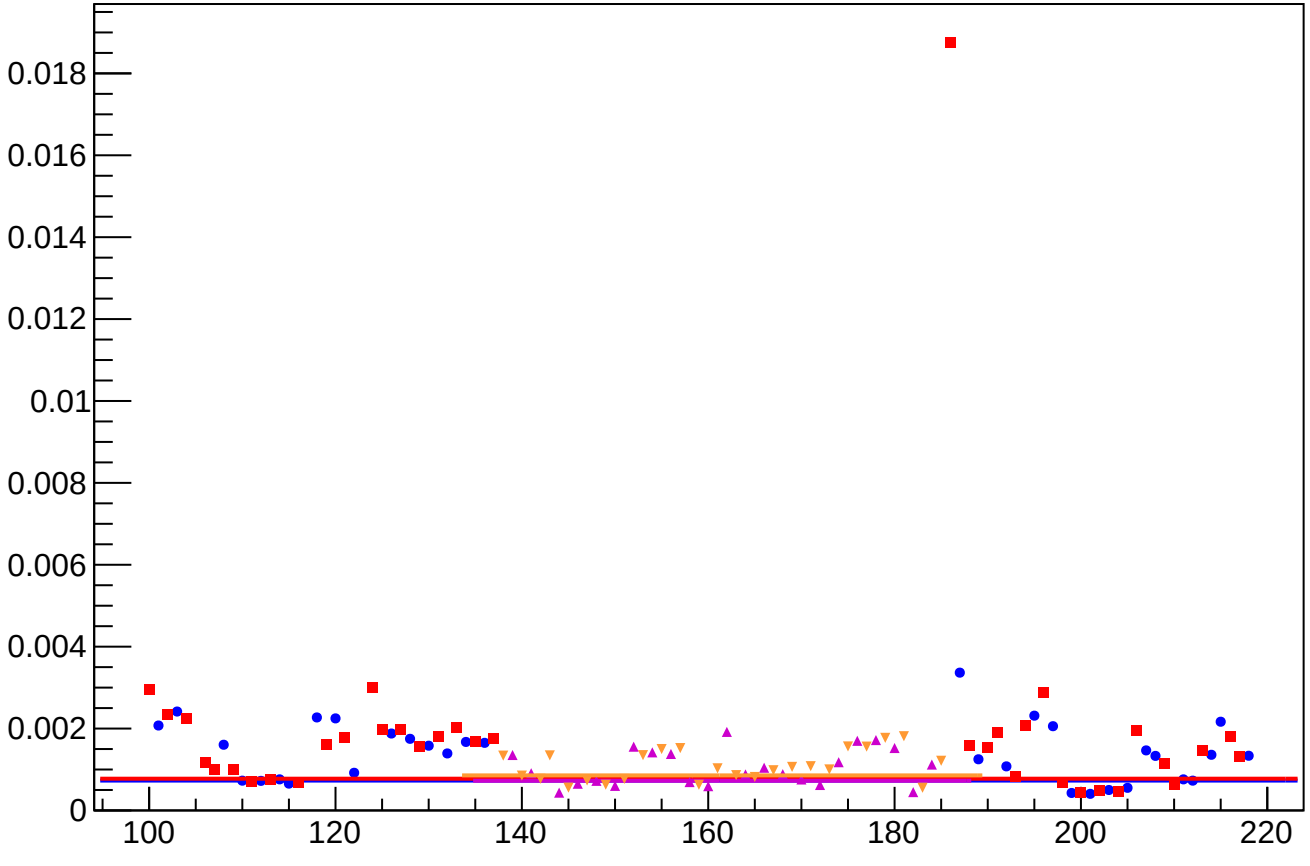
Right: -0.000+/-0.000 χ^2/NDF: 89.4/67

In: -0.000+/-0.000 χ^2/NDF:58.3/54

Out: 0.000+/-0.000 χ^2/NDF:92.2/60

All: 0.000+/-0.000 χ^2/NDF: 150.9/115

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 11003569.7/35

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

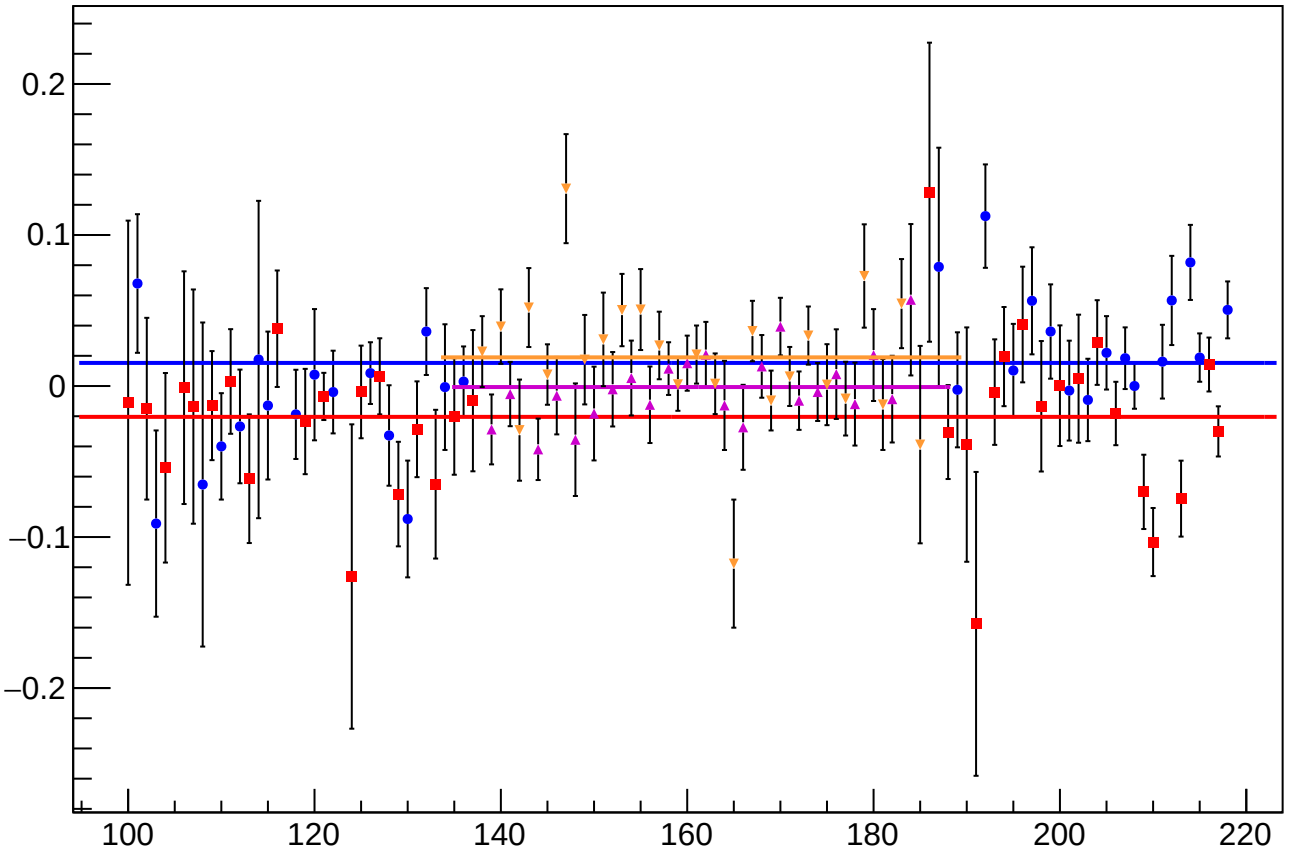
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 21668453.3/67

In: 0.001+/-0.000 χ^2/NDF:16420919.5/54

Out: 0.001+/-0.000 χ^2/NDF:15590231.2/60

All: 0.001+/-0.000 χ^2/NDF: 32390336.4/115



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: -0.020+/-0.005 χ^2/NDF: 49.1/35

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

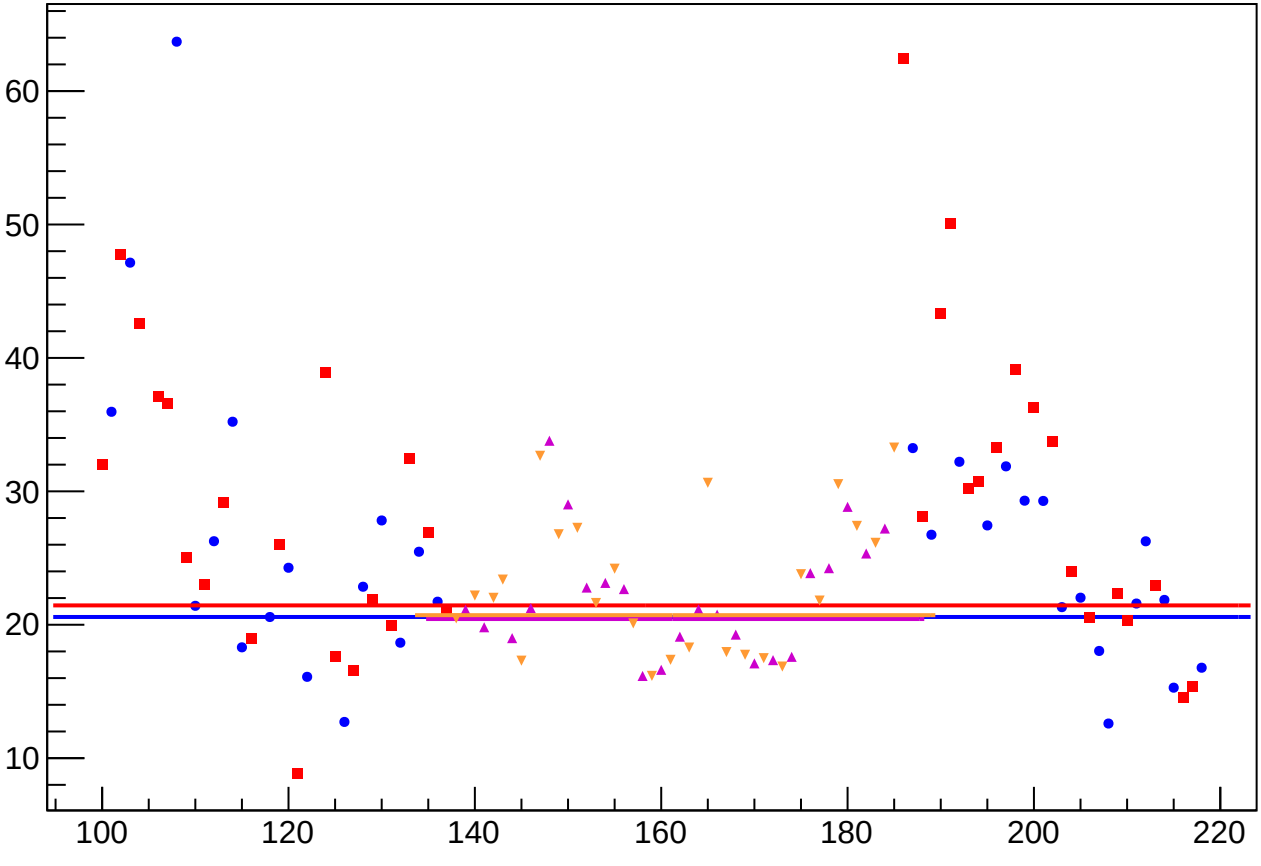
Right: -0.002+/-0.004 χ^2/NDF: 119.9/67

In: 0.007+/-0.004 χ^2/NDF:69.5/54

Out: 0.001+/-0.004 χ^2/NDF:120.3/60

All: 0.004+/-0.003 χ^2/NDF: 191.4/115

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: 21.450+/-0.004 χ^2/NDF: 5142774.7/35

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

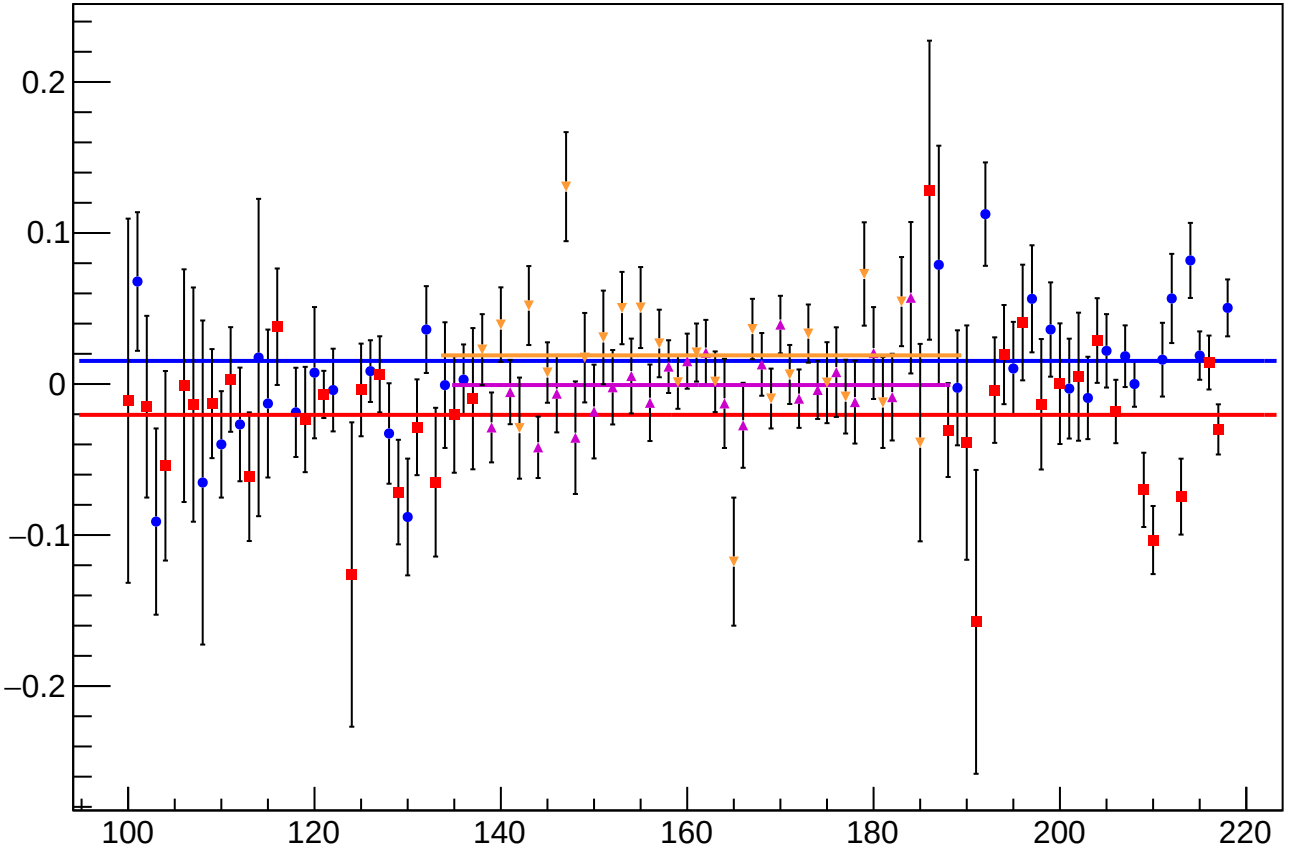
Right: 20.993+/-0.003 χ^2/NDF: 8580112.5/67

In: 20.505+/-0.002 χ^2/NDF:4583851.0/54

Out: 21.054+/-0.003 χ^2/NDF:6670033.1/60

All: 20.774+/-0.002 χ^2/NDF: 11277897.9/115

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.020+/-0.005 χ^2/NDF: 49.1/35

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

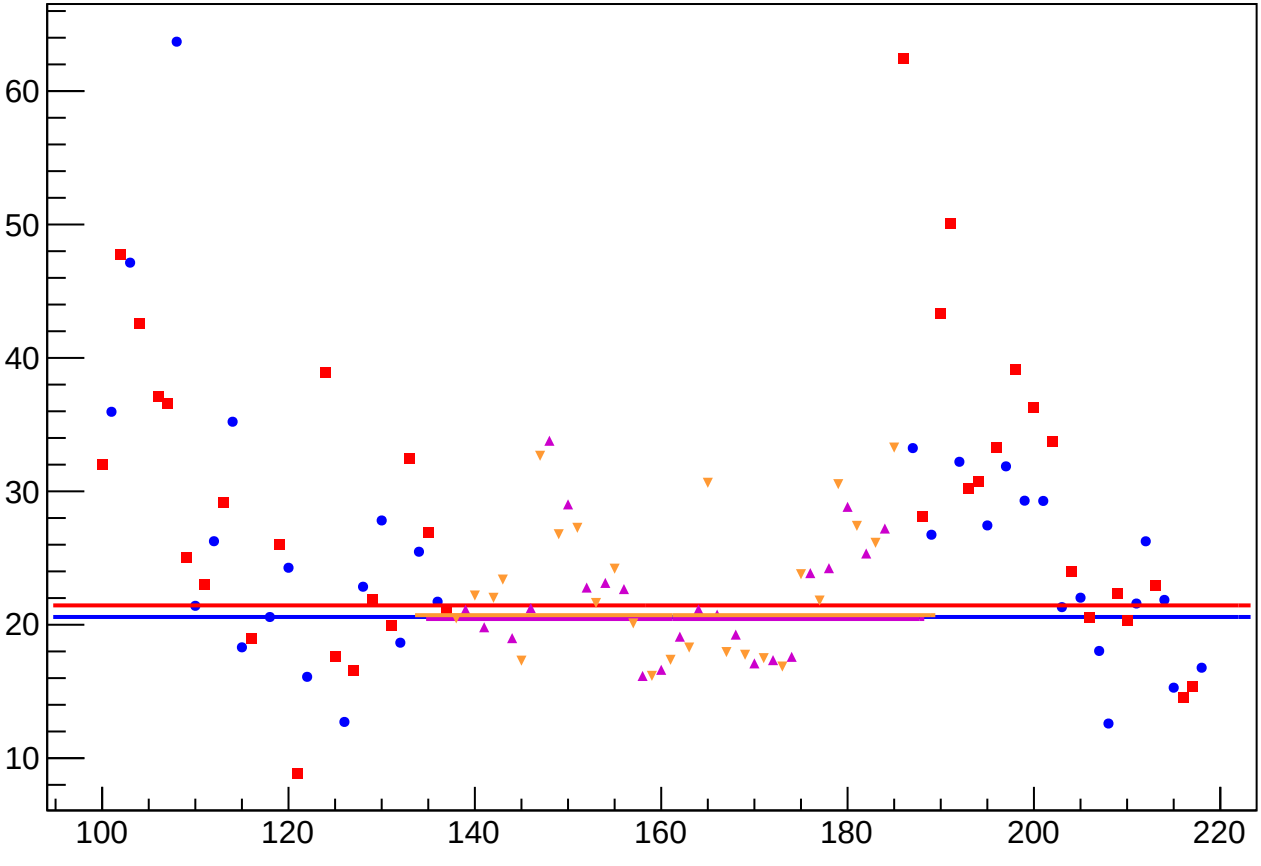
Right: -0.002+/-0.004 χ^2/NDF: 119.9/67

In: 0.007+/-0.004 χ^2/NDF:69.5/54

Out: 0.001+/-0.004 χ^2/NDF:120.3/60

All: 0.004+/-0.003 χ^2/NDF: 191.4/115

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: 21.450+/-0.004 χ^2/NDF: 5142774.7/35

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

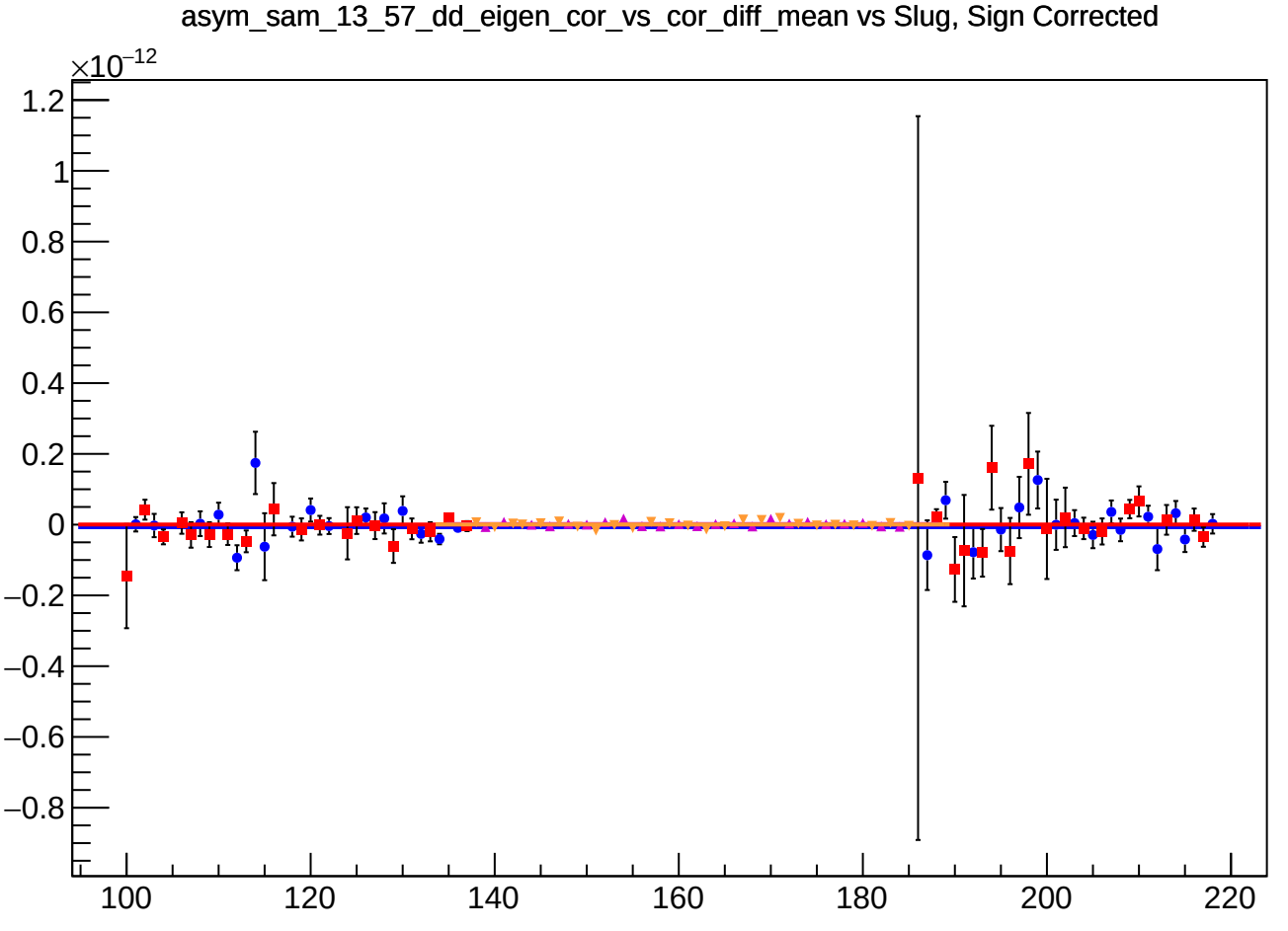
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 20.993+/-0.003 χ^2/NDF: 8580112.5/67

In: 20.505+/-0.002 χ^2/NDF:4583851.0/54

Out: 21.054+/-0.003 χ^2/NDF:6670033.1/60

All: 20.774+/-0.002 χ^2/NDF: 11277897.9/115



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: 33.0/35

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

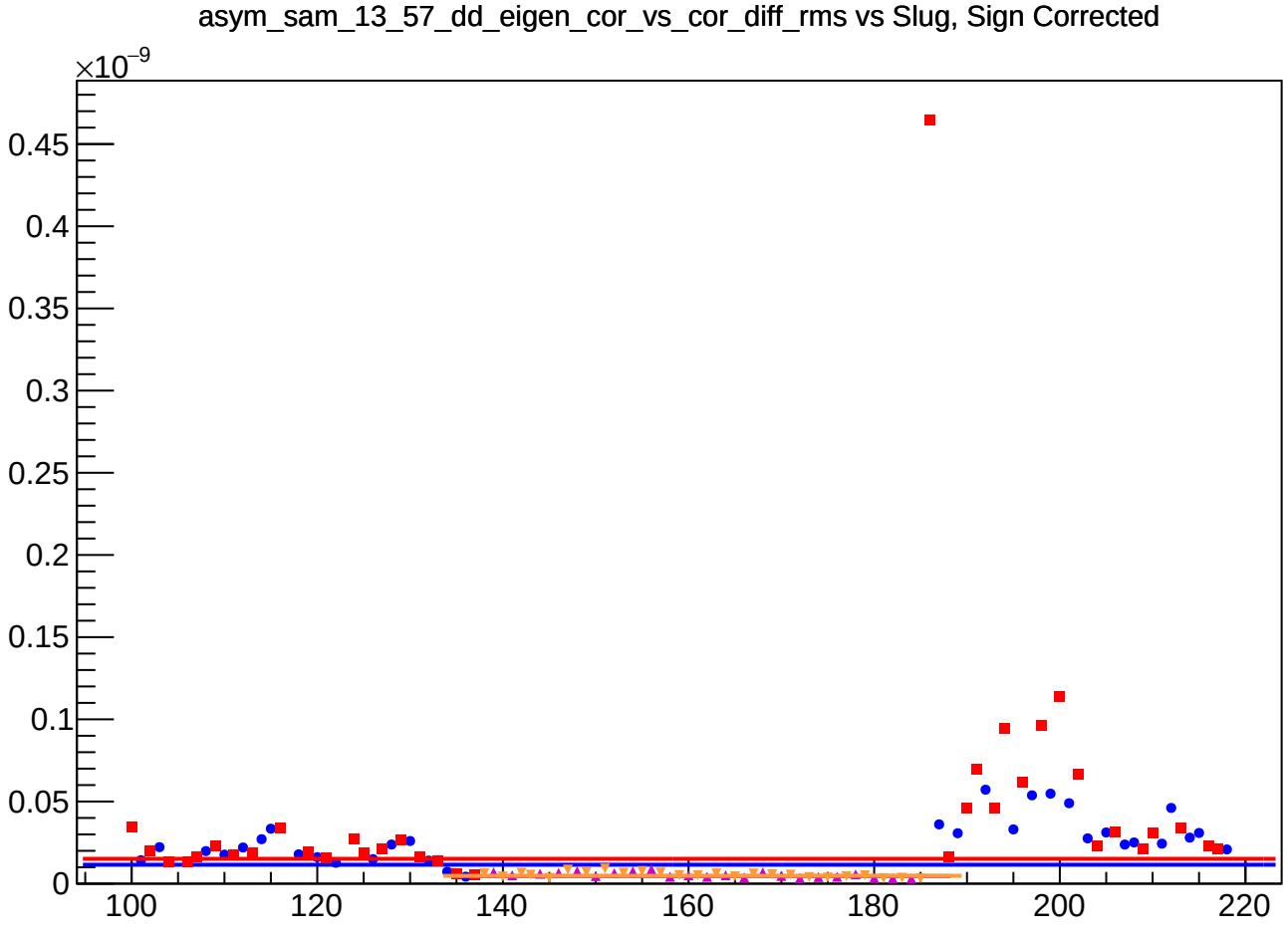
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: -0.000+/-0.000 χ^2/NDF: 70.6/67

In: 0.000+/-0.000 χ^2/NDF:61.0/54

Out: 0.000+/-0.000 χ^2/NDF:62.0/60

All: 0.000+/-0.000 χ^2/NDF: 123.0/115



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: 9946593.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

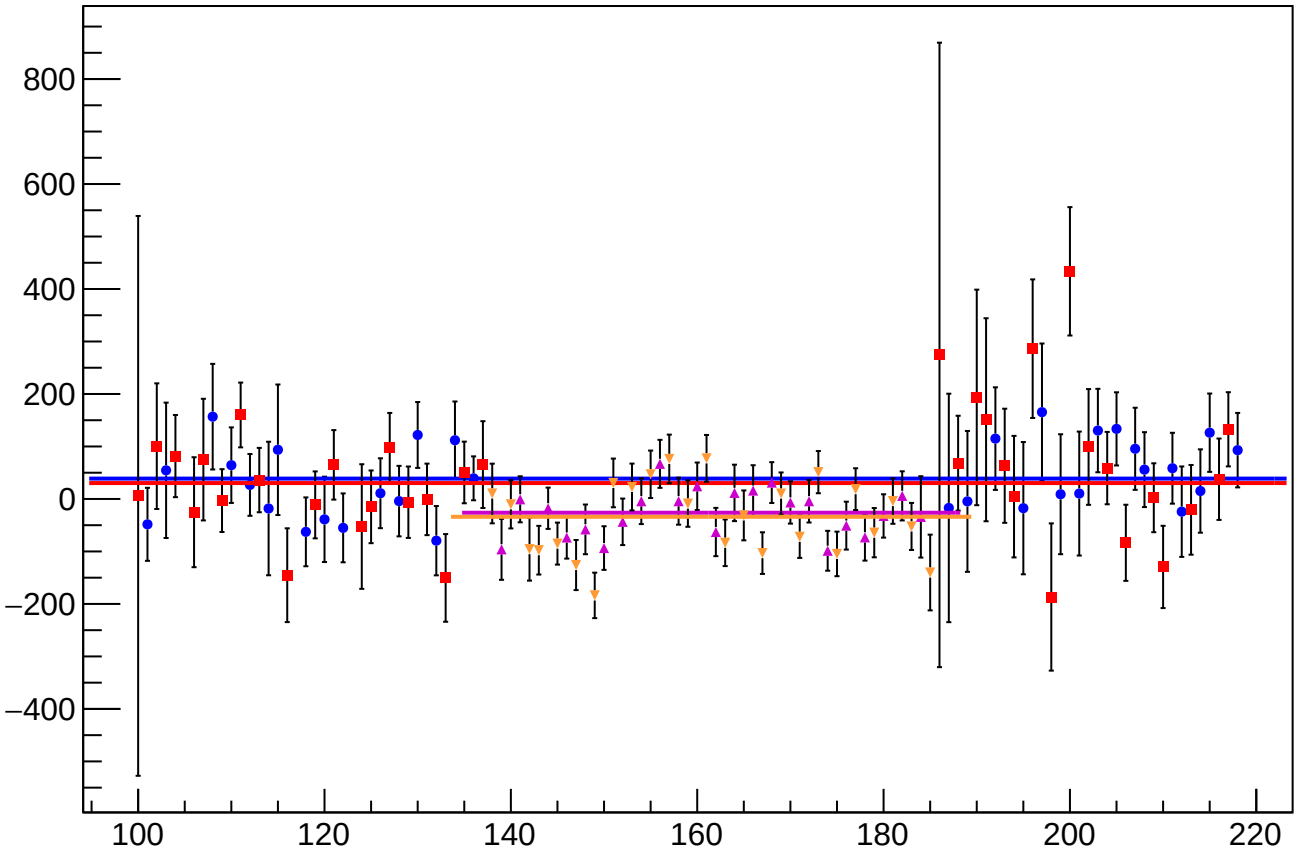
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 22193542.9/67

In: 0.000+/-0.000 χ^2/NDF:18603114.4/54

Out: 0.000+/-0.000 χ^2/NDF:20096802.0/60

All: 0.000+/-0.000 χ^2/NDF: 38727221.6/115



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: 30.296+/-13.843 χ^2/NDF: 46.3/35

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

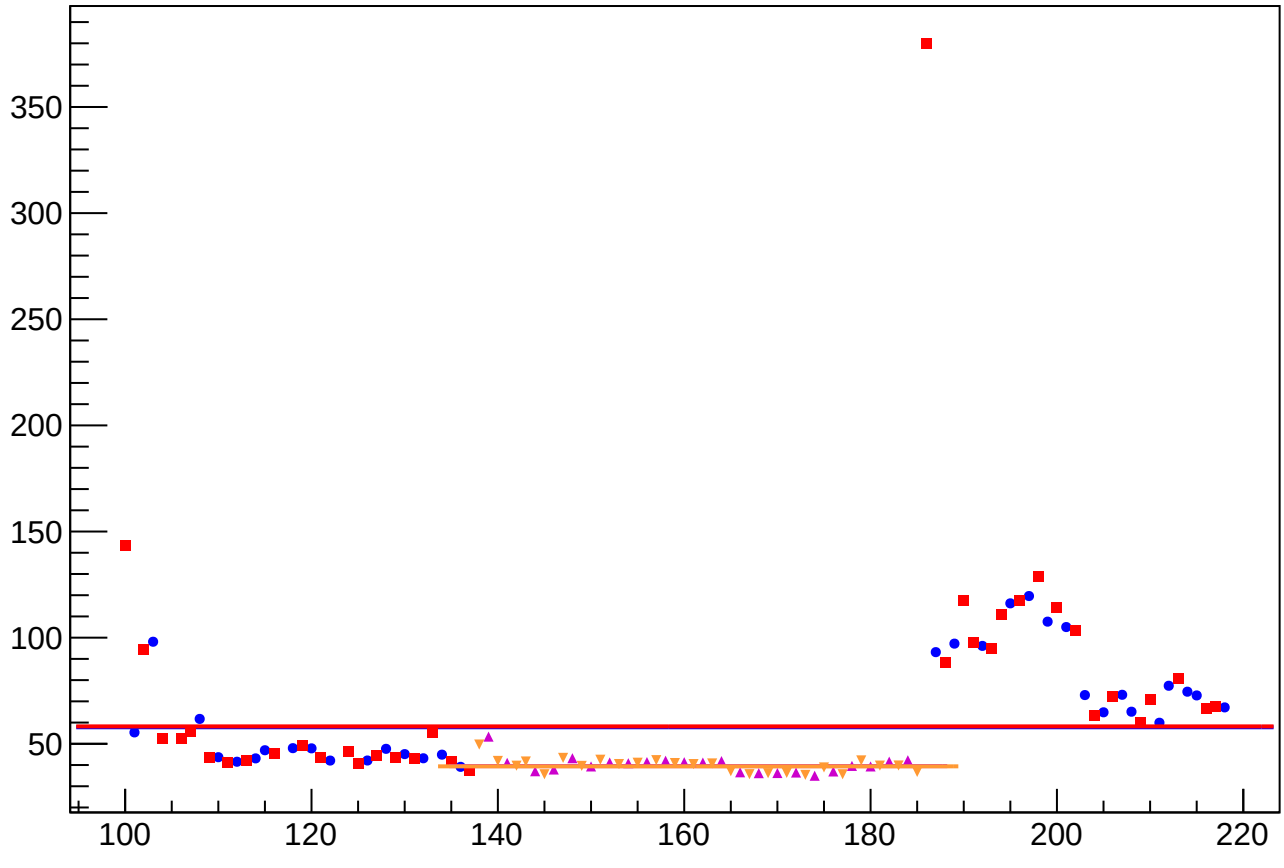
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 34.593+/-9.731 χ^2/NDF: 70.4/67

In: -5.792+/-7.675 χ^2/NDF:61.8/54

Out: -14.885+/-7.542 χ^2/NDF:120.2/60

All: -10.419+/-5.379 χ^2/NDF: 182.7/115



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: 58.203+/-0.010 χ^2/NDF: 5256356.3/35

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

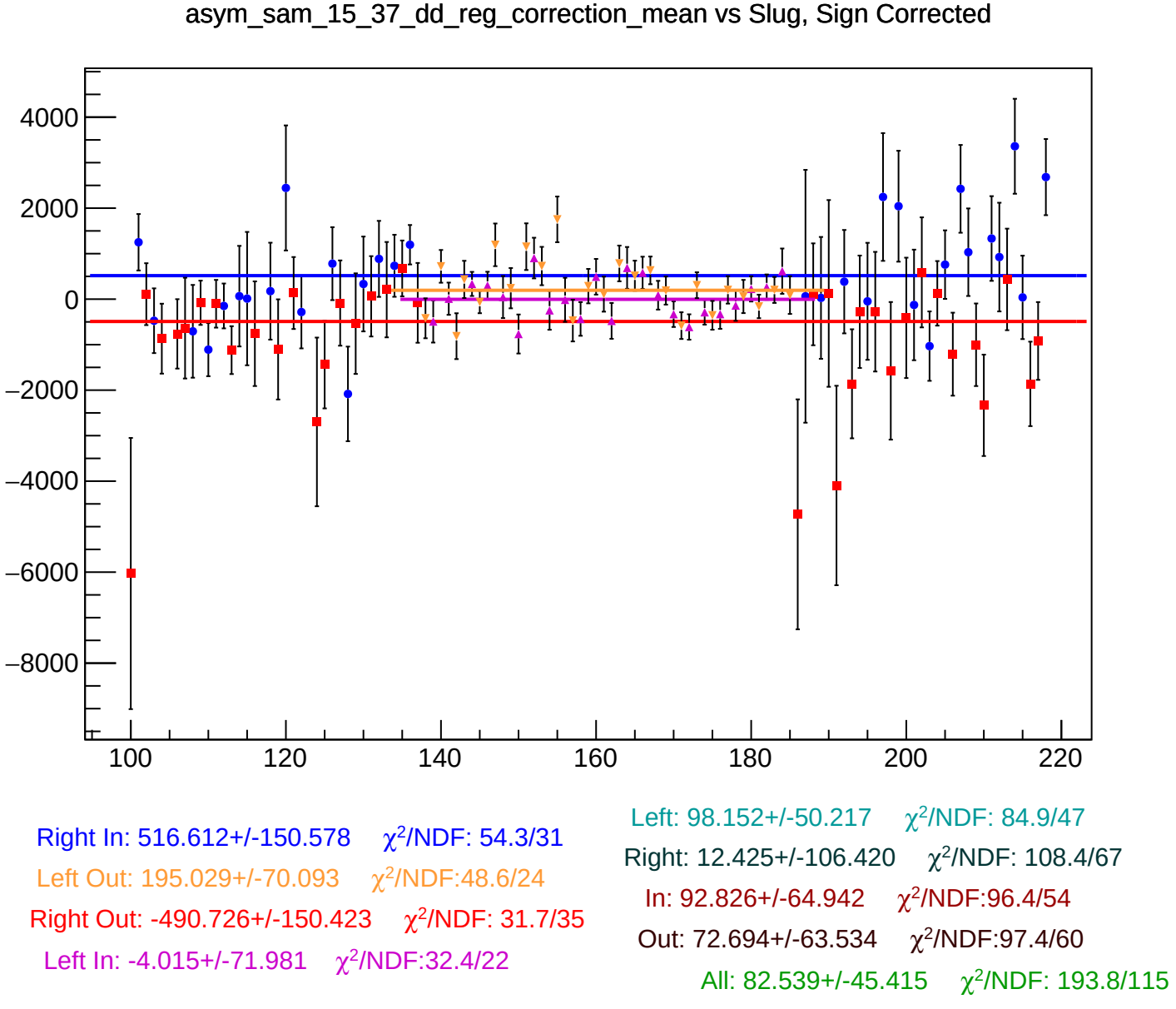
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

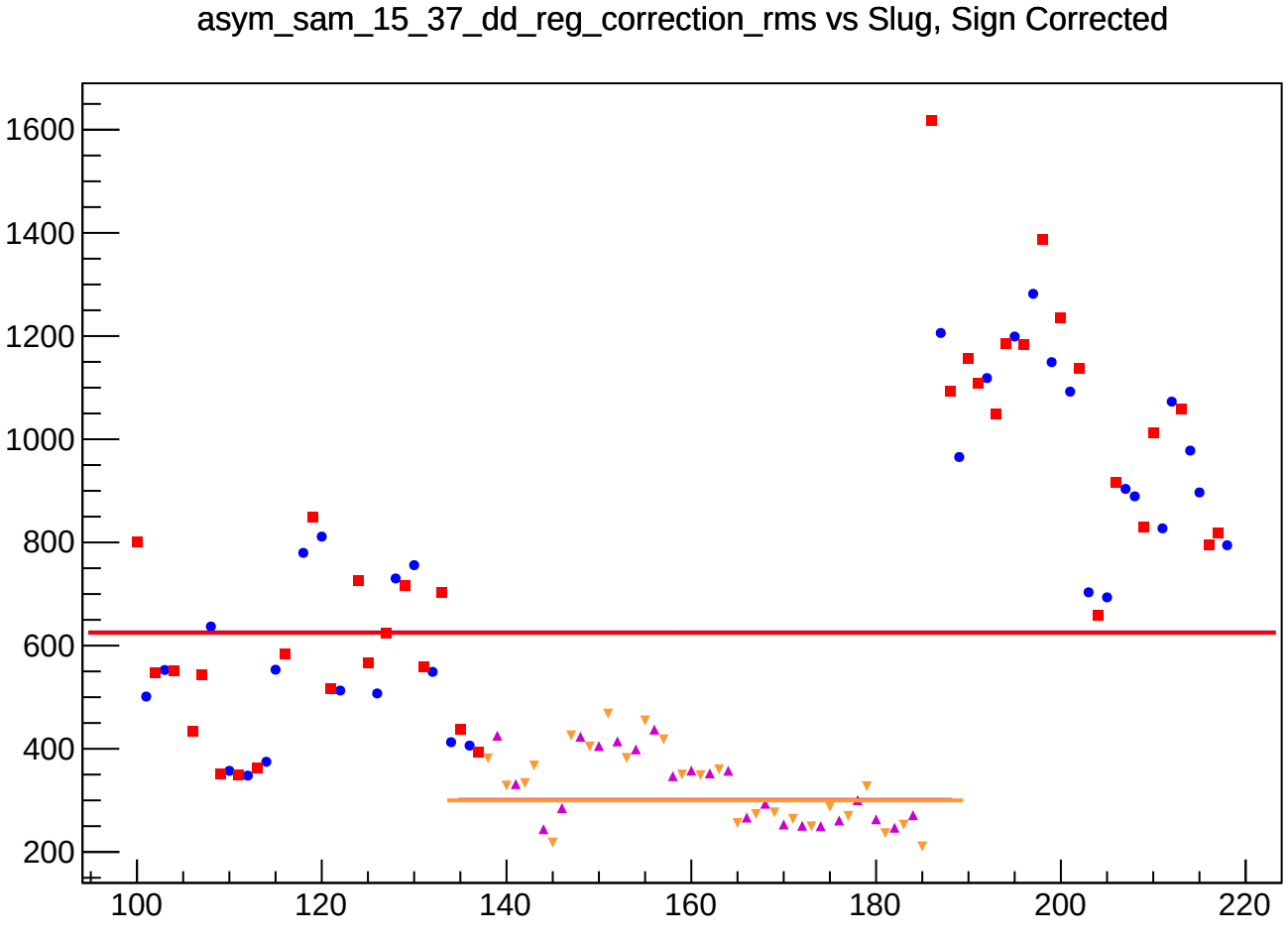
Right: 57.996+/-0.007 χ^2/NDF: 9321482.7/67

In: 45.251+/-0.005 χ^2/NDF:6768990.8/54

Out: 44.968+/-0.005 χ^2/NDF:8084687.6/60

All: 45.107+/-0.004 χ^2/NDF: 14855057.9/115


asym_sam_15_37_dd_reg_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
220
Right In: 516.612+/-150.578 χ²/NDF: 54.3/31
Left Out: 195.029+/-70.093 χ²/NDF:48.6/24
Right Out: -490.726+/-150.423 χ²/NDF: 31.7/35
Left In: -4.015+/-71.981 χ²/NDF:32.4/22
Left: 98.152+/-50.217 χ²/NDF: 84.9/47
Right: 12.425+/-106.420 χ²/NDF: 108.4/67
In: 92.826+/-64.942 χ²/NDF:96.4/54
Out: 72.694+/-63.534 χ²/NDF:97.4/60
All: 82.539+/-45.415 χ²/NDF: 193.8/115



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: 624.906+/-0.106 χ^2/NDF: 6595169.2/35

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

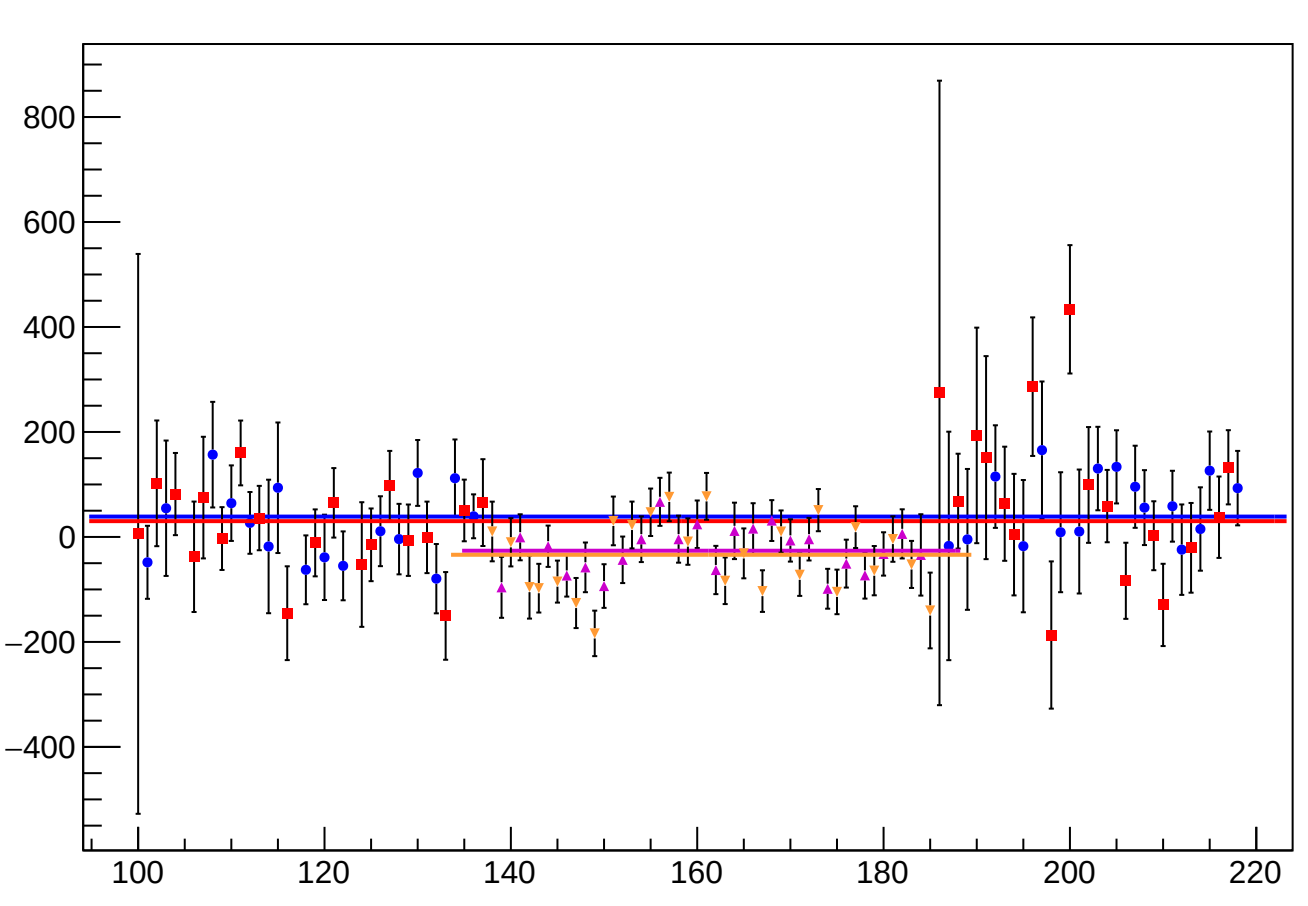
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 625.226+/-0.075 χ^2/NDF: 12102605.3/67

In: 361.368+/-0.046 χ^2/NDF:14477439.0/54

Out: 357.942+/-0.045 χ^2/NDF:16070956.6/60

All: 359.618+/-0.032 χ^2/NDF: 30551239.8/11



Right In: 38.795+/-13.681 χ^2/NDF: 23.9/31

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 30.107+/-13.844 χ^2/NDF: 46.5/35

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

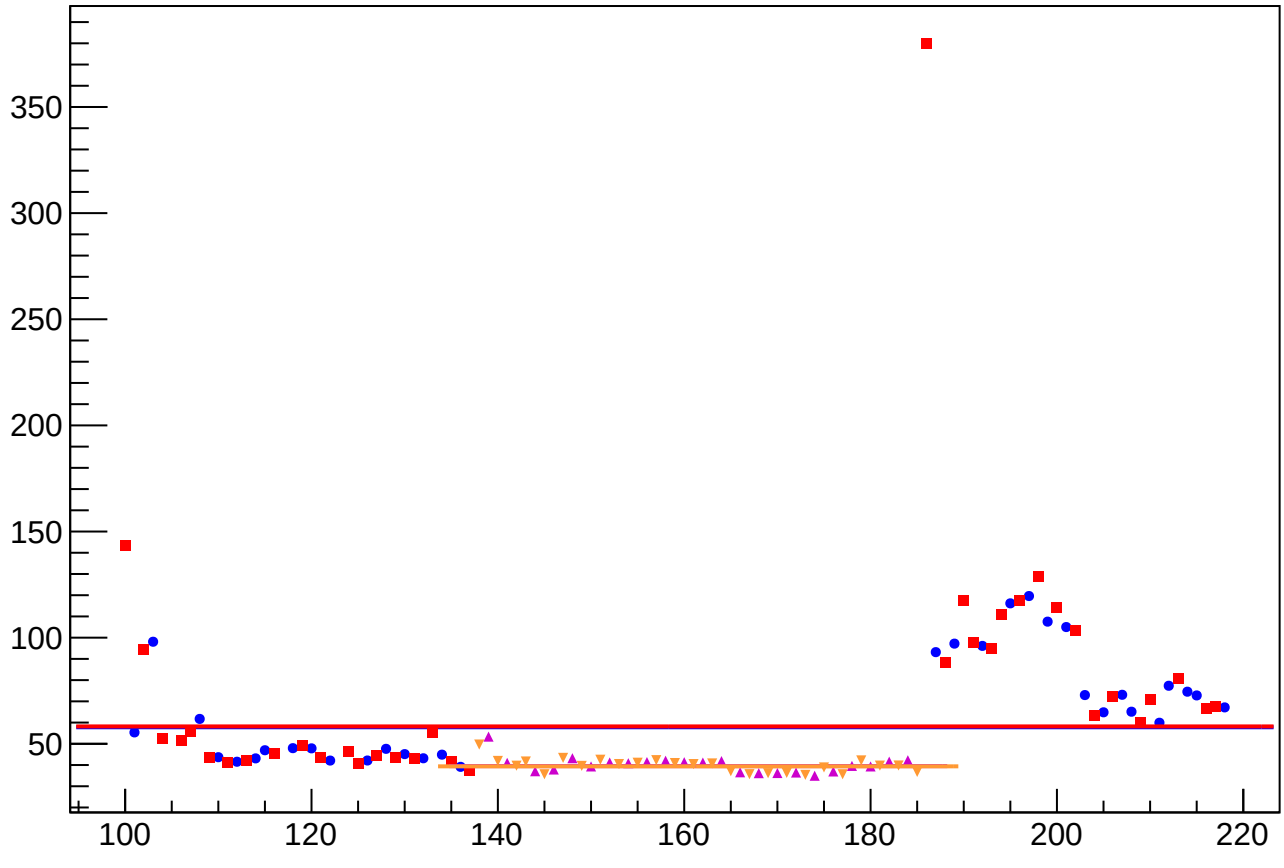
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 34.503+/-9.731 χ^2/NDF: 70.5/67

In: -5.791+/-7.675 χ^2/NDF:61.8/54

Out: -14.943+/-7.542 χ^2/NDF:120.2/60

All: -10.447+/-5.379 χ^2/NDF: 182.8/115



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: 58.189+/-0.010 χ^2/NDF: 5258330.3/35

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

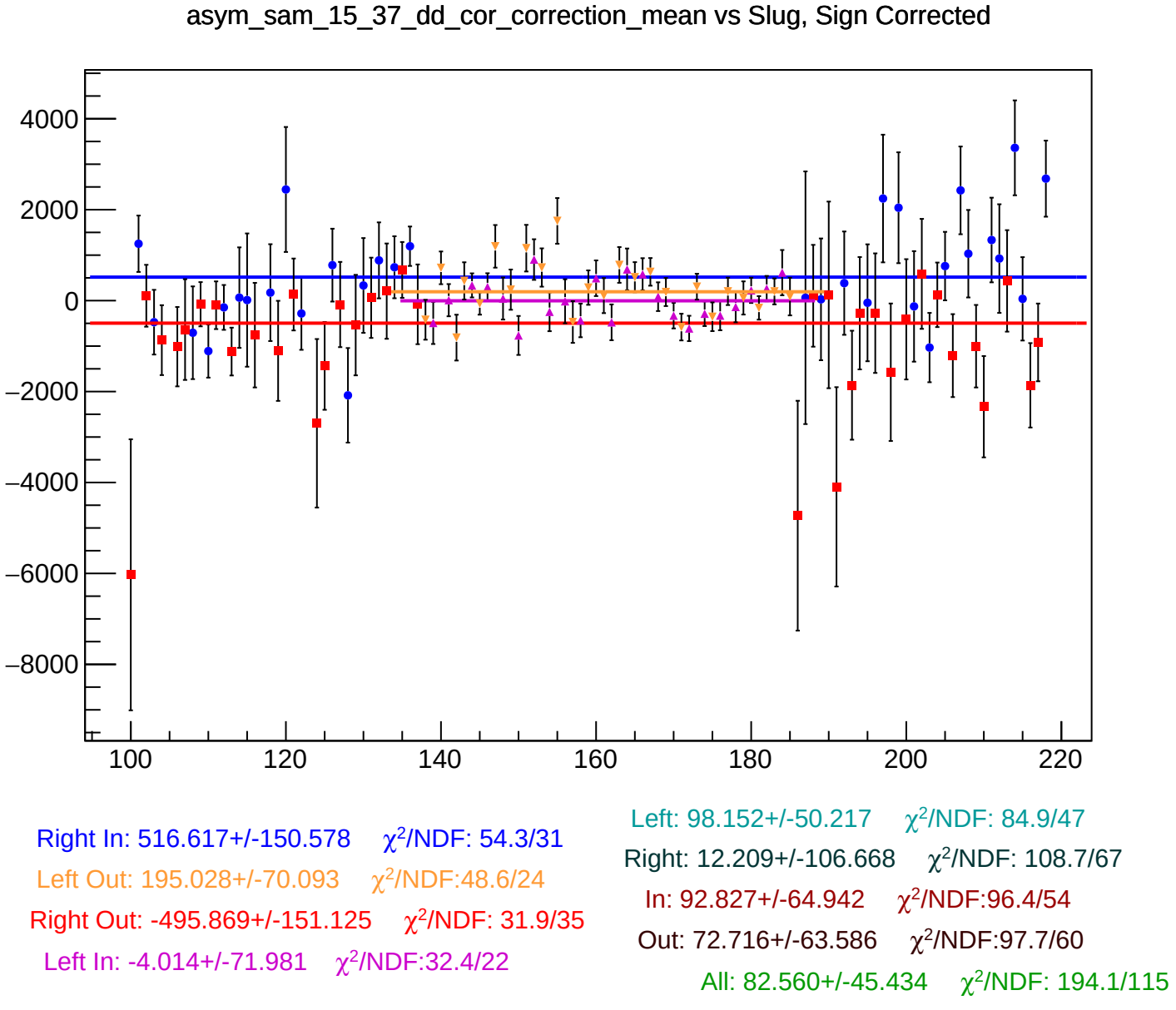
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

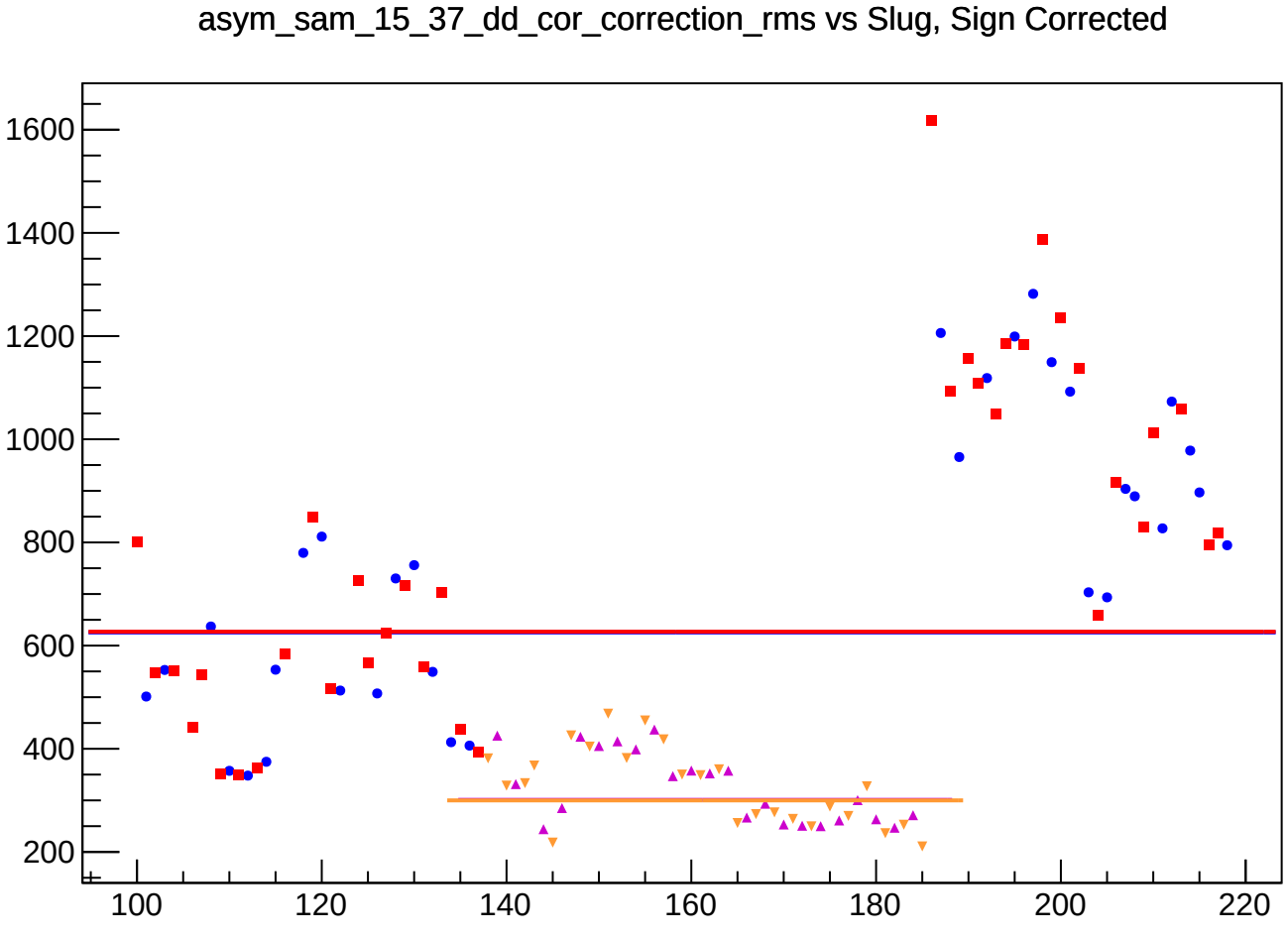
Right: 57.989+/-0.007 χ^2/NDF: 9323403.7/67

In: 45.251+/-0.005 χ^2/NDF:6768993.7/54

Out: 44.964+/-0.005 χ^2/NDF:8082723.4/60

All: 45.105+/-0.004 χ^2/NDF: 14853141.5/115


asym_sam_15_37_dd_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
220
Right In: 516.617+/-150.578 χ²/NDF: 54.3/31
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: -495.869+/-151.125 χ²/NDF: 31.9/35
Left In: -4.014+/-71.981 χ²/NDF:32.4/22
Left: 98.152+/-50.217 χ²/NDF: 84.9/47
Right: 12.209+/-106.668 χ²/NDF: 108.7/67
In: 92.827+/-64.942 χ²/NDF:96.4/54
Out: 72.716+/-63.586 χ²/NDF:97.7/60
All: 82.560+/-45.434 χ²/NDF: 194.1/115



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: 626.921+/-0.107 χ^2/NDF: 6557747.5/35

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

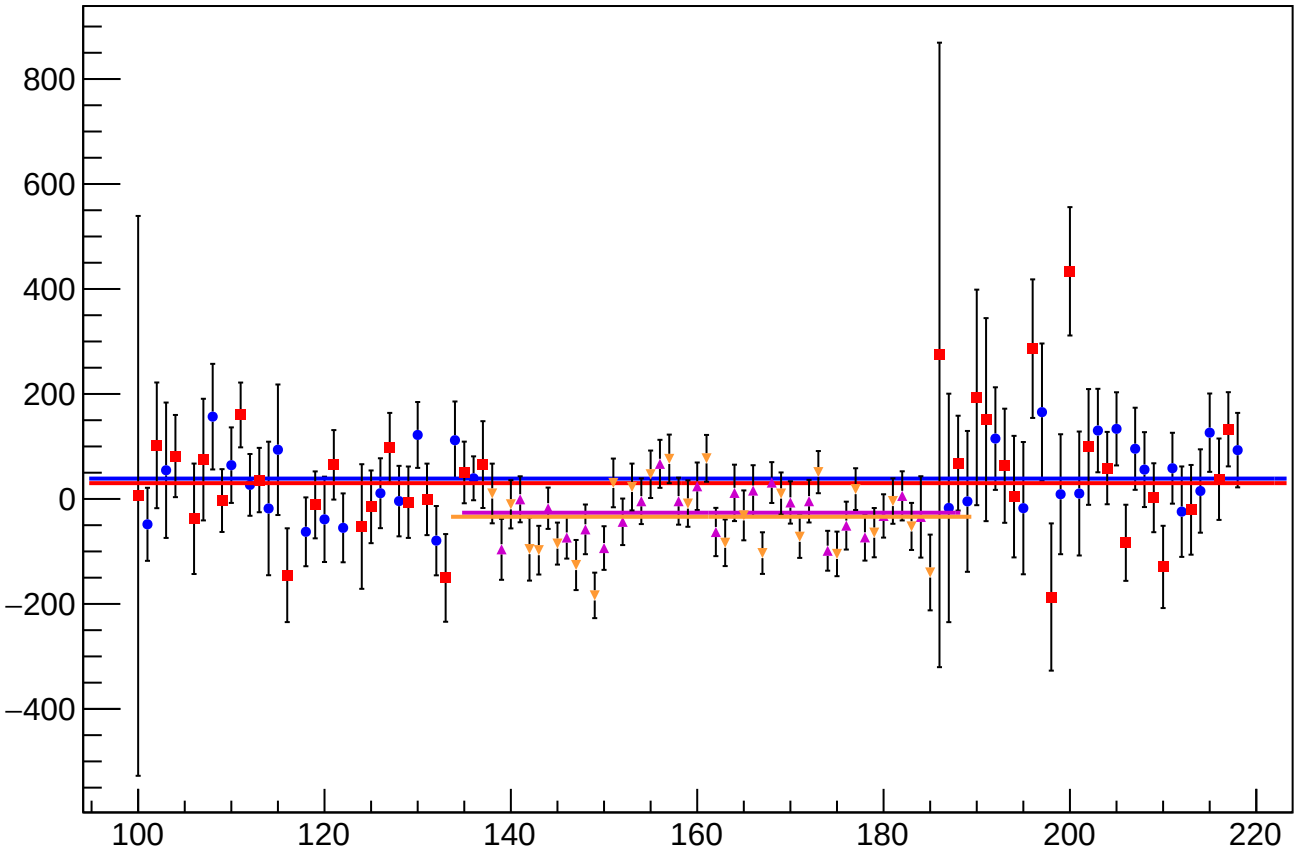
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

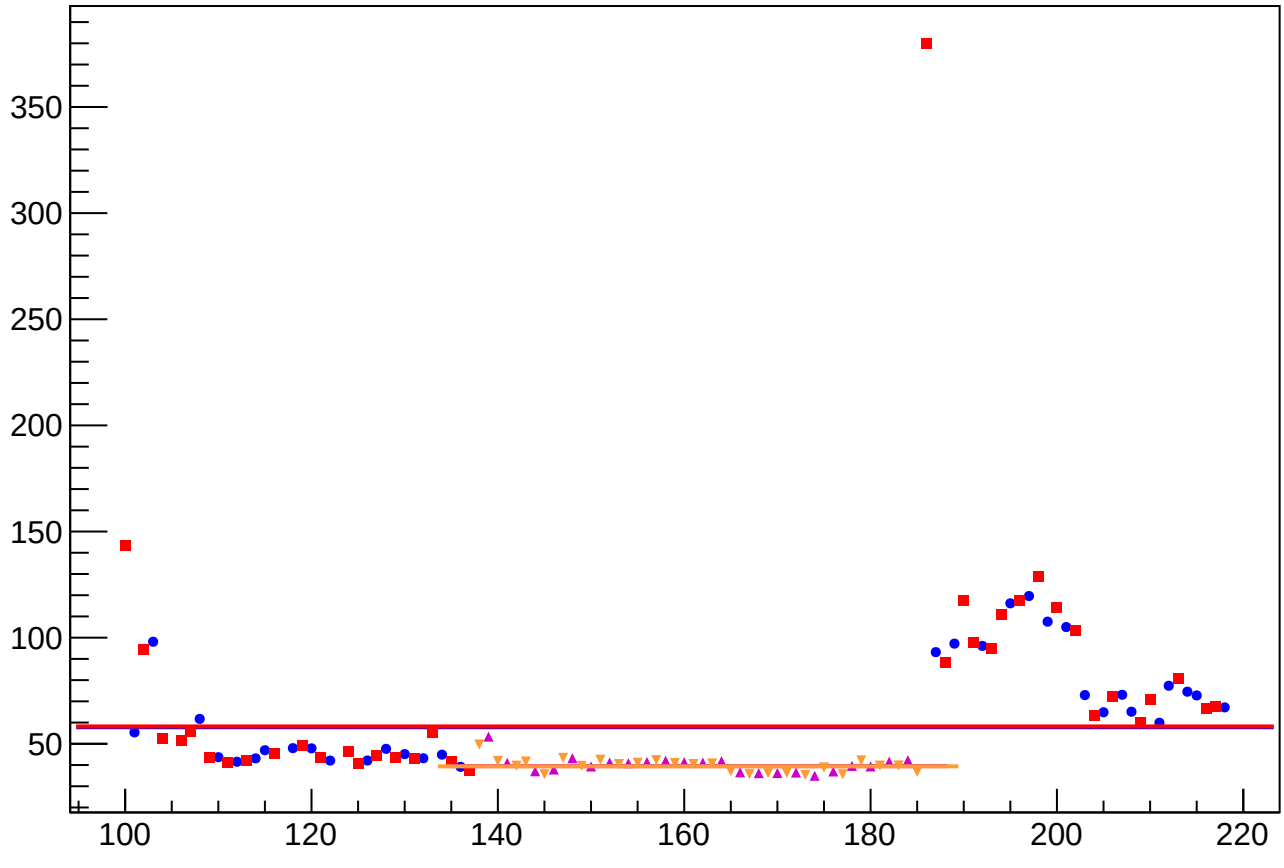
Right: 626.233+/-0.075 χ^2/NDF: 12065224.0/67

In: 361.368+/-0.046 χ^2/NDF:14477499.6/54

Out: 357.857+/-0.045 χ^2/NDF:16069705.4/60

All: 359.575+/-0.032 χ^2/NDF: 30550190.4/11


eigen_cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
120
140
160
180
200
220
Right In: 38.795+/-13.681 χ²/NDF: 23.9/31
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 30.107+/-13.844 χ²/NDF: 46.5/35
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 34.503+/-9.731 χ²/NDF: 70.5/67
In: -5.791+/-7.675 χ²/NDF:61.8/54
Out: -14.943+/-7.542 χ²/NDF:120.2/60
All: -10.447+/-5.379 χ²/NDF: 182.8/115



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: 58.189+/-0.010 χ^2/NDF: 5258330.3/35

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

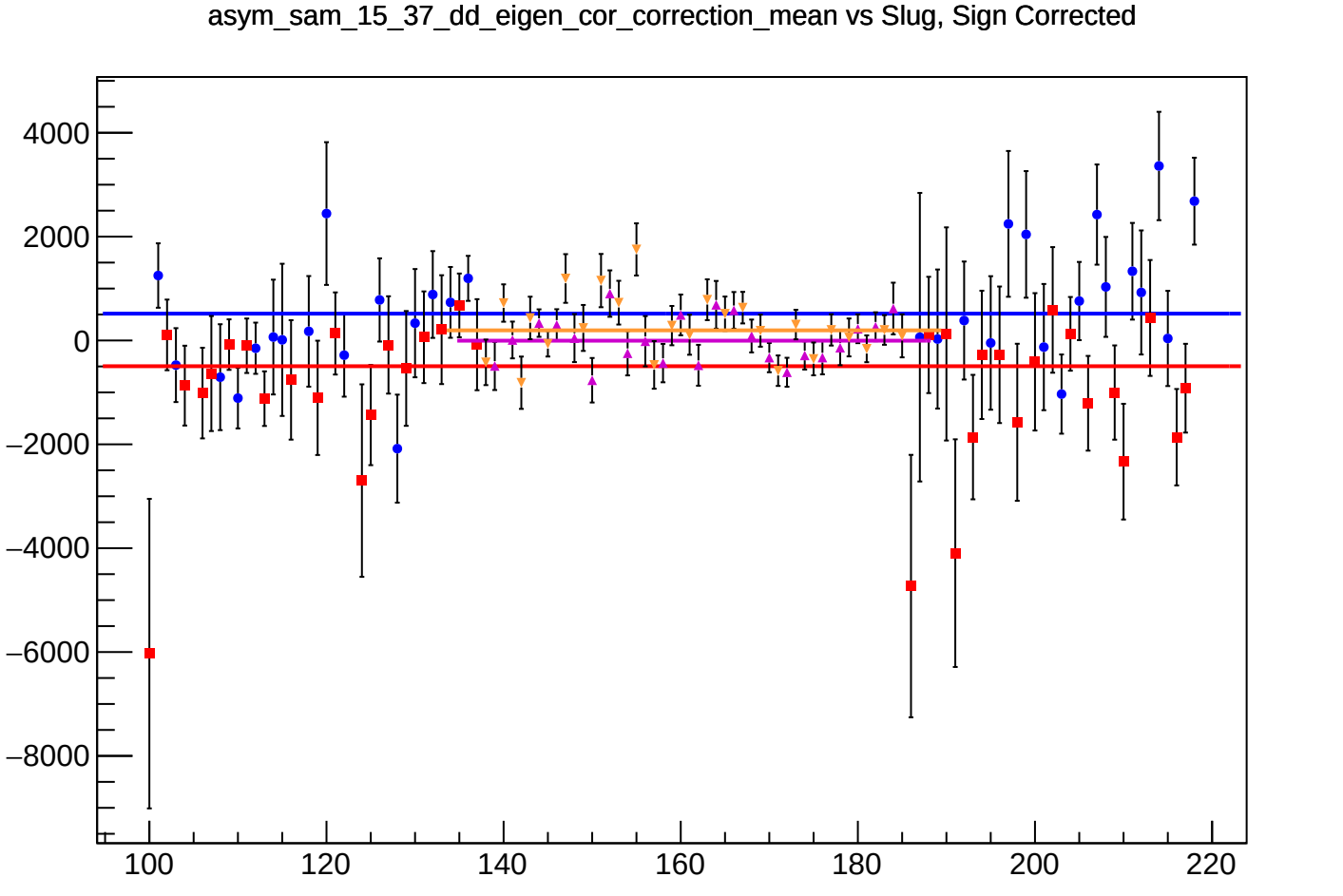
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 57.989+/-0.007 χ^2/NDF: 9323403.7/67

In: 45.251+/-0.005 χ^2/NDF:6768993.7/54

Out: 44.964+/-0.005 χ^2/NDF:8082723.4/60

All: 45.105+/-0.004 χ^2/NDF: 14853141.5/115



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: -495.869+/-151.125 χ^2/NDF: 31.9/35

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

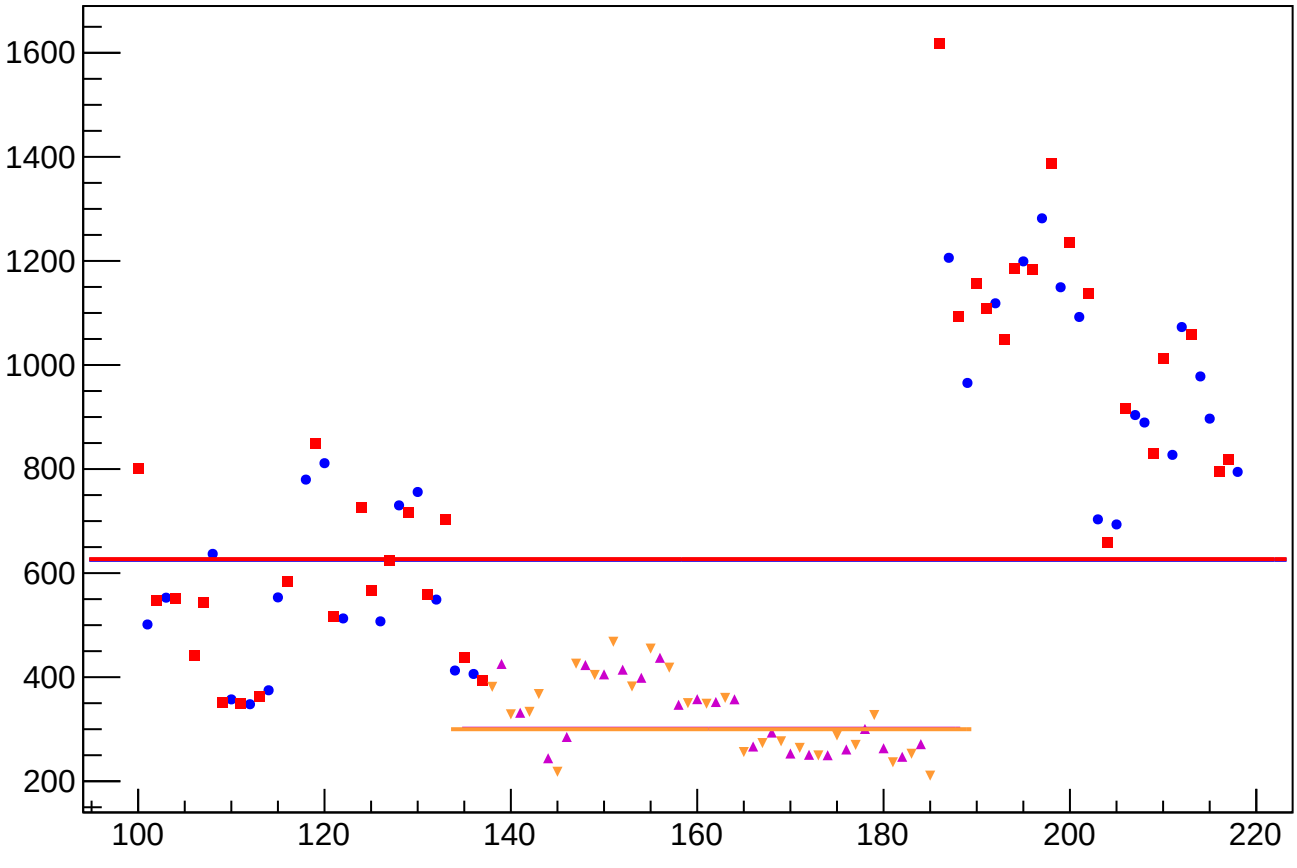
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: 12.209+/-106.668 χ^2/NDF: 108.7/67

In: 92.827+/-64.942 χ^2/NDF:96.4/54

Out: 72.716+/-63.586 χ^2/NDF:97.7/60

All: 82.560+/-45.434 χ^2/NDF: 194.1/115



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: 626.921+/-0.107 χ^2/NDF: 6557747.5/35

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

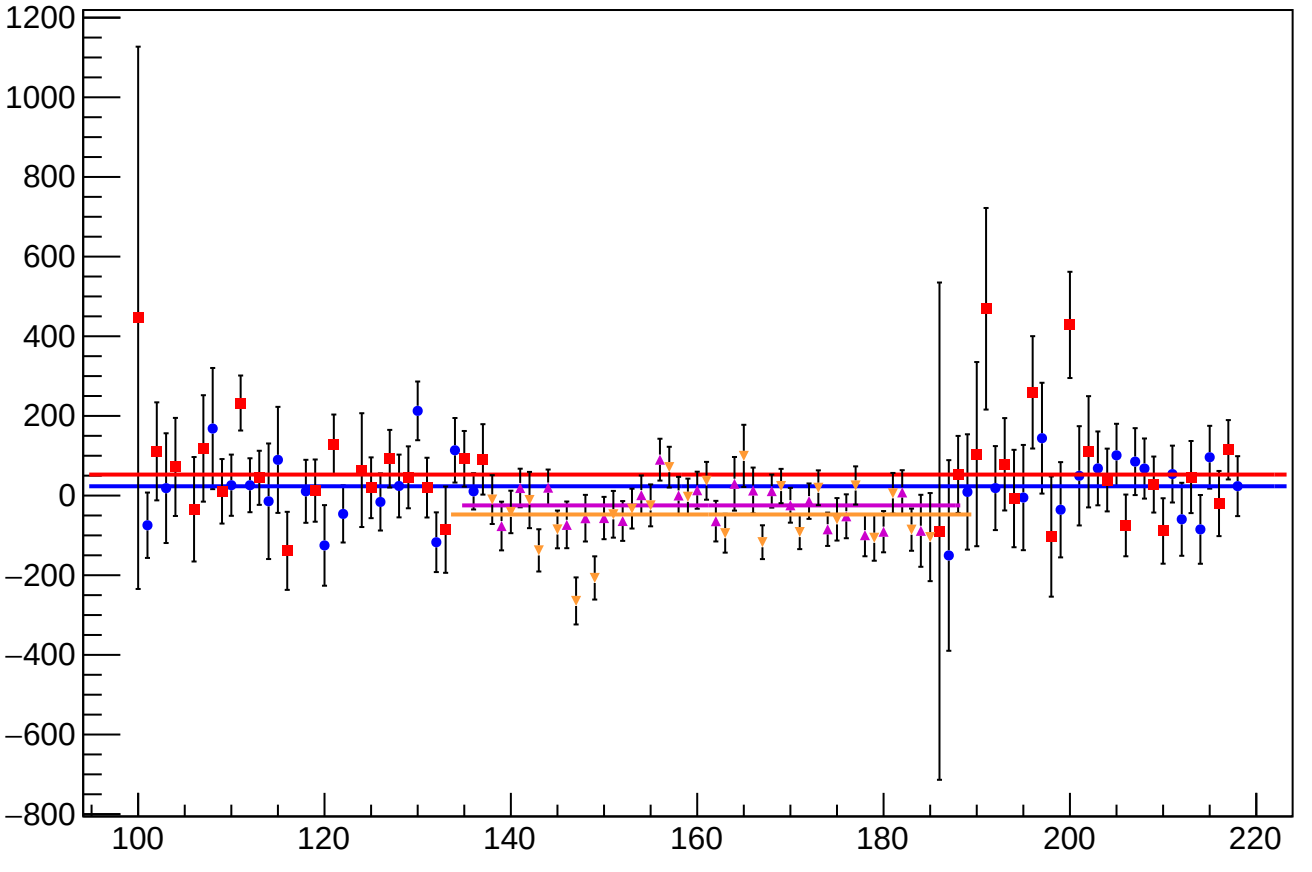
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 626.233+/-0.075 χ^2/NDF: 12065224.0/67

In: 361.368+/-0.046 χ^2/NDF:14477499.6/54

Out: 357.857+/-0.045 χ^2/NDF:16069705.4/60

All: 359.575+/-0.032 χ^2/NDF: 30550190.4/11



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: 52.726+/-15.697 χ^2/NDF: 38.0/35

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

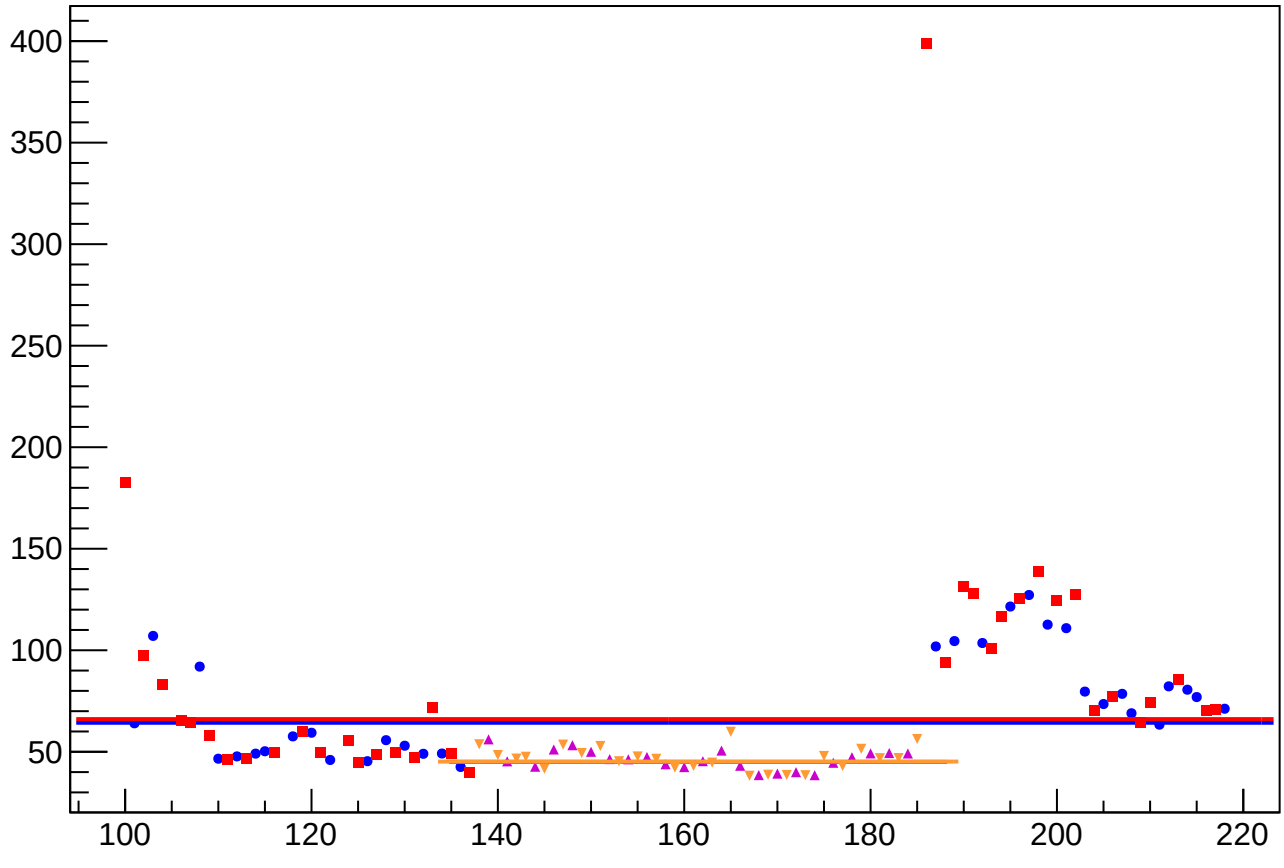
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 37.593+/-10.927 χ^2/NDF: 64.4/67

In: -8.874+/-8.731 χ^2/NDF:51.0/54

Out: -16.943+/-8.665 χ^2/NDF:121.0/60

All: -12.940+/-6.151 χ^2/NDF: 172.4/115



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: 66.090+/-0.011 χ^2/NDF: 4842834.5/35

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

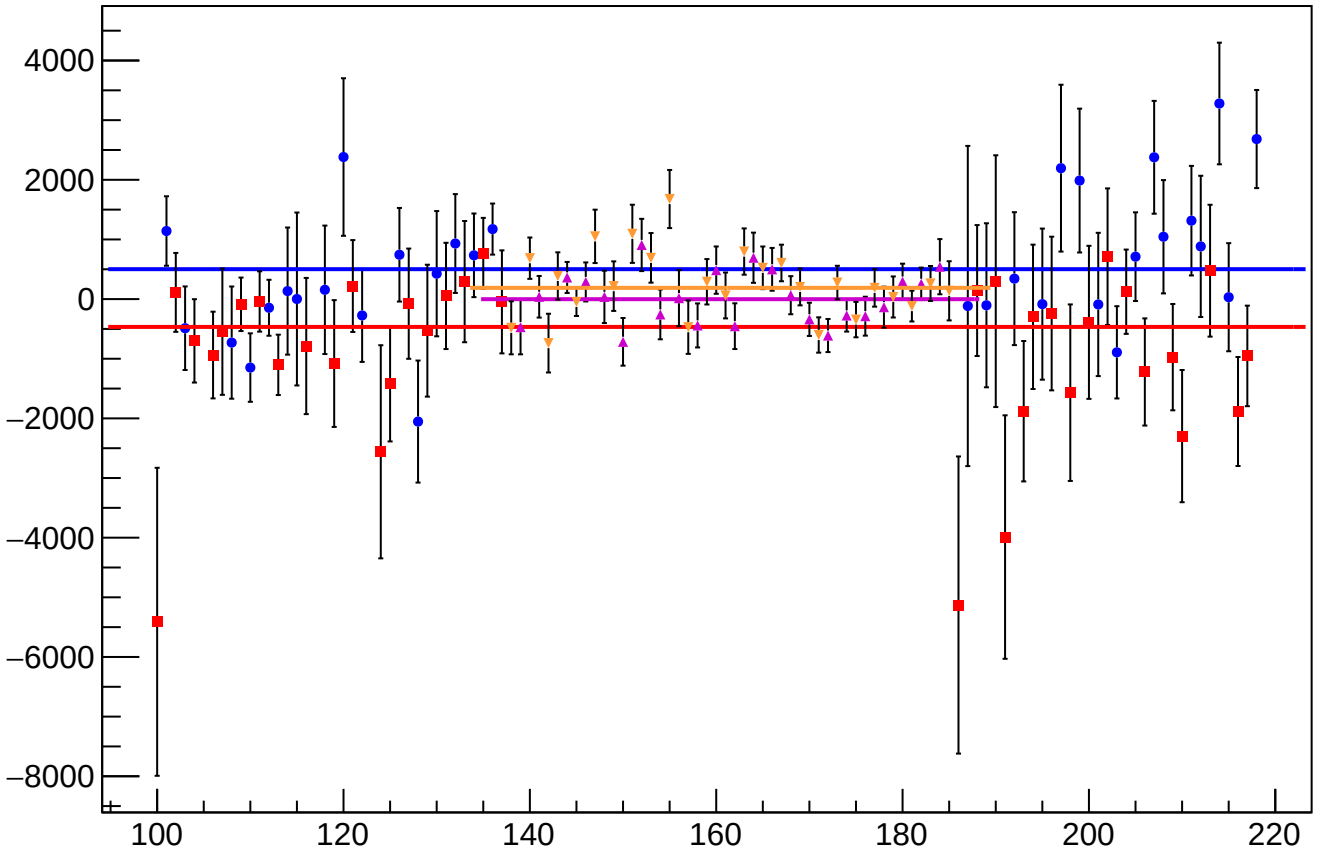
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 65.171+/-0.008 χ^2/NDF: 8588865.6/67

In: 51.365+/-0.006 χ^2/NDF:6260211.7/54

Out: 51.549+/-0.006 χ^2/NDF:7801459.5/60

All: 51.457+/-0.004 χ^2/NDF: 14062118.9/115



Right In: 501.703+/-147.734 χ^2/NDF: 54.5/31

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: -466.522+/-145.558 χ^2/NDF: 35.1/35

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

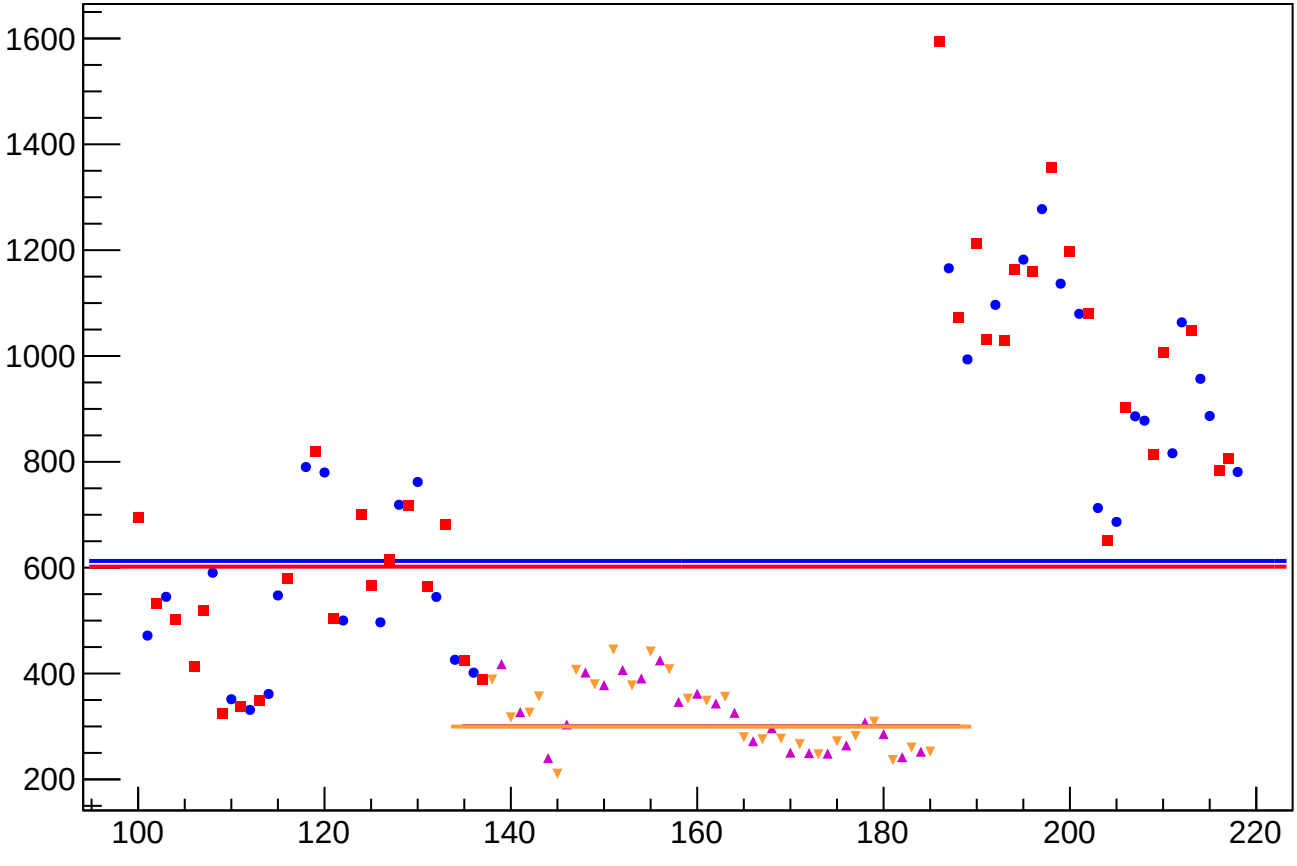
Right: 10.407+/-103.686 χ^2/NDF: 111.4/67

In: 94.333+/-64.513 χ^2/NDF:96.1/54

Out: 66.536+/-62.874 χ^2/NDF:98.4/60

All: 80.077+/-45.027 χ^2/NDF: 194.6/115

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: 601.986+/-0.103 χ^2/NDF: 6931999.2/35

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

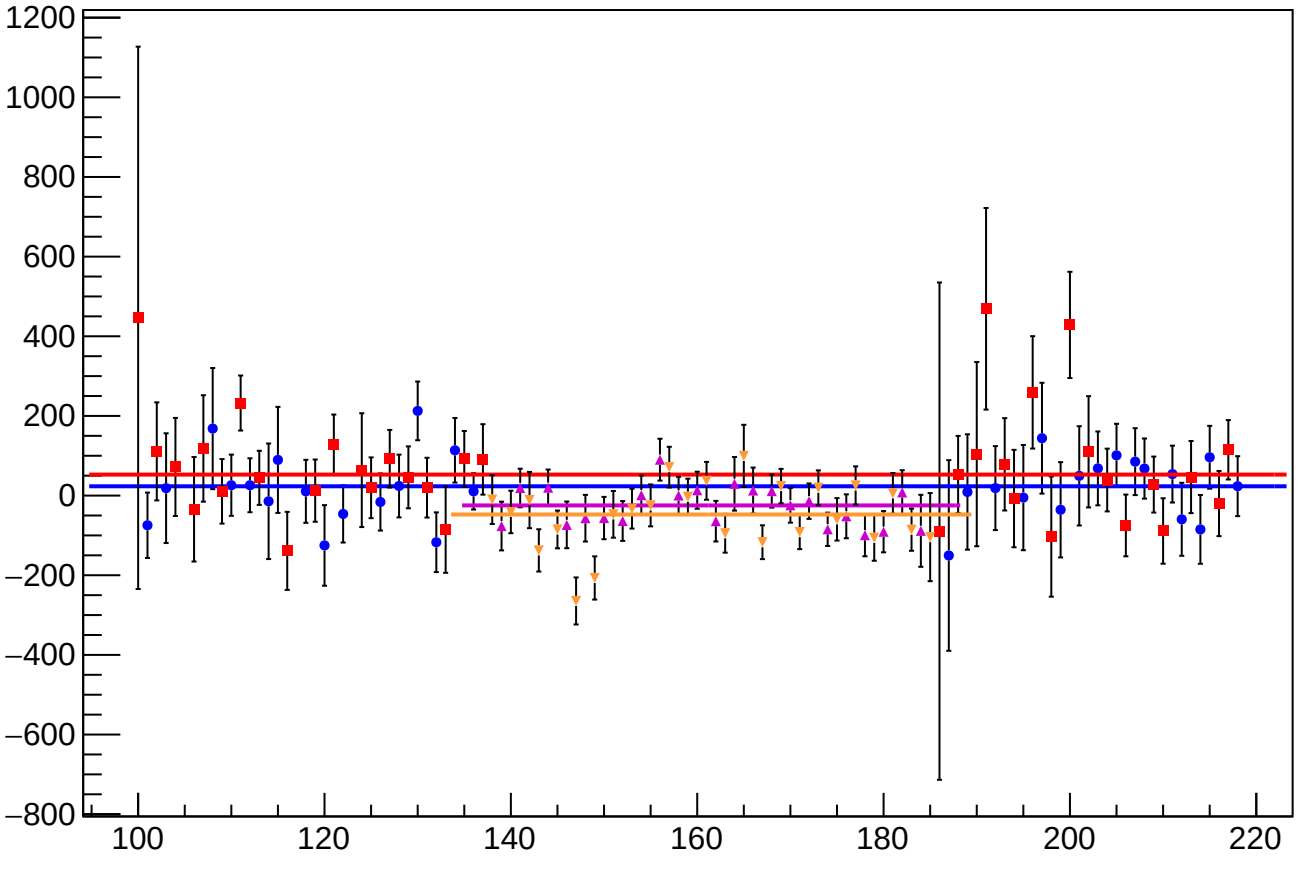
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 607.287+/-0.073 χ^2/NDF: 12609455.4/67

In: 360.080+/-0.046 χ^2/NDF:14160016.6/54

Out: 356.182+/-0.044 χ^2/NDF:15521176.6/60

All: 358.081+/-0.032 χ^2/NDF: 29684937.5/11



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: 52.727+/-15.697 χ^2/NDF: 38.0/35

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

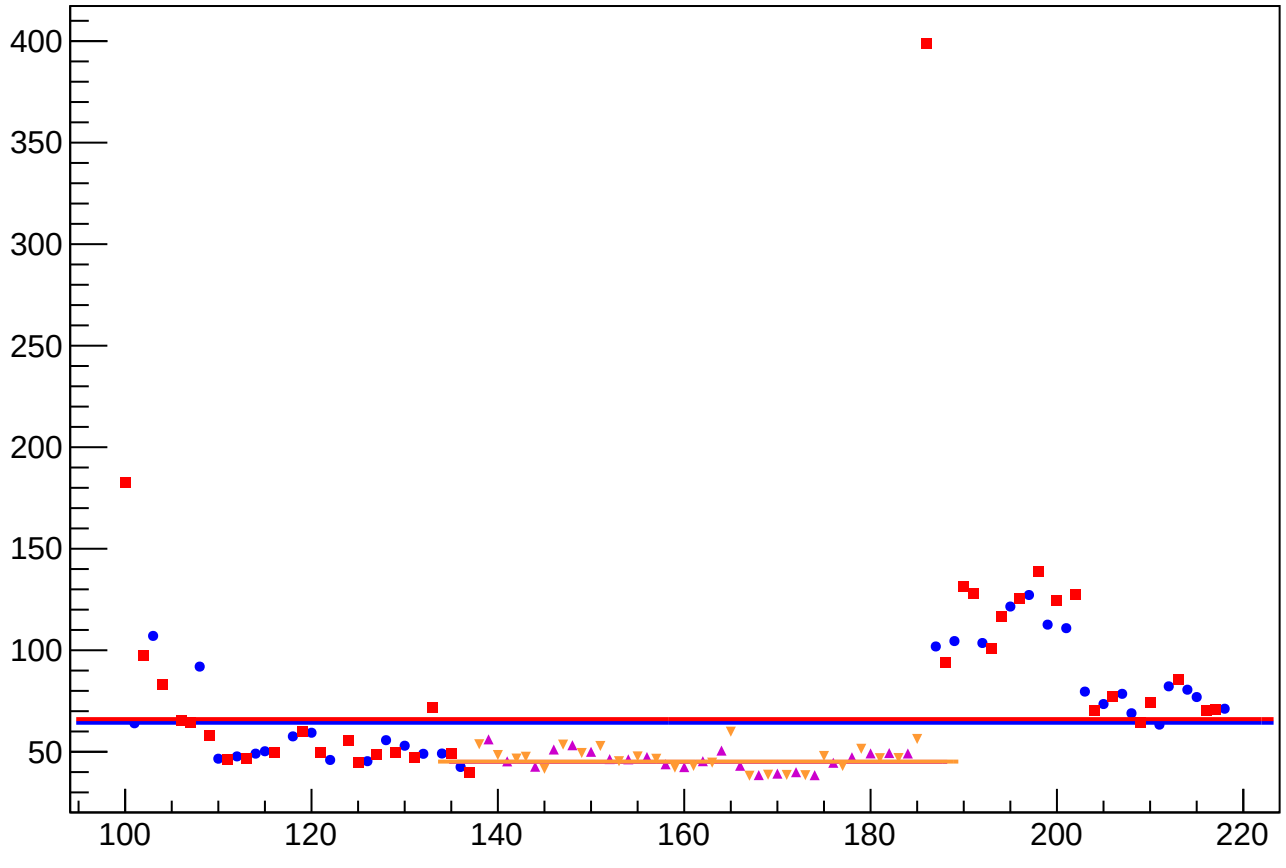
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 37.593+/-10.927 χ^2/NDF: 64.4/67

In: -8.875+/-8.731 χ^2/NDF:51.0/54

Out: -16.943+/-8.665 χ^2/NDF:121.0/60

All: -12.940+/-6.151 χ^2/NDF: 172.4/115



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: 66.090+/-0.011 χ^2/NDF: 4842837.8/35

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

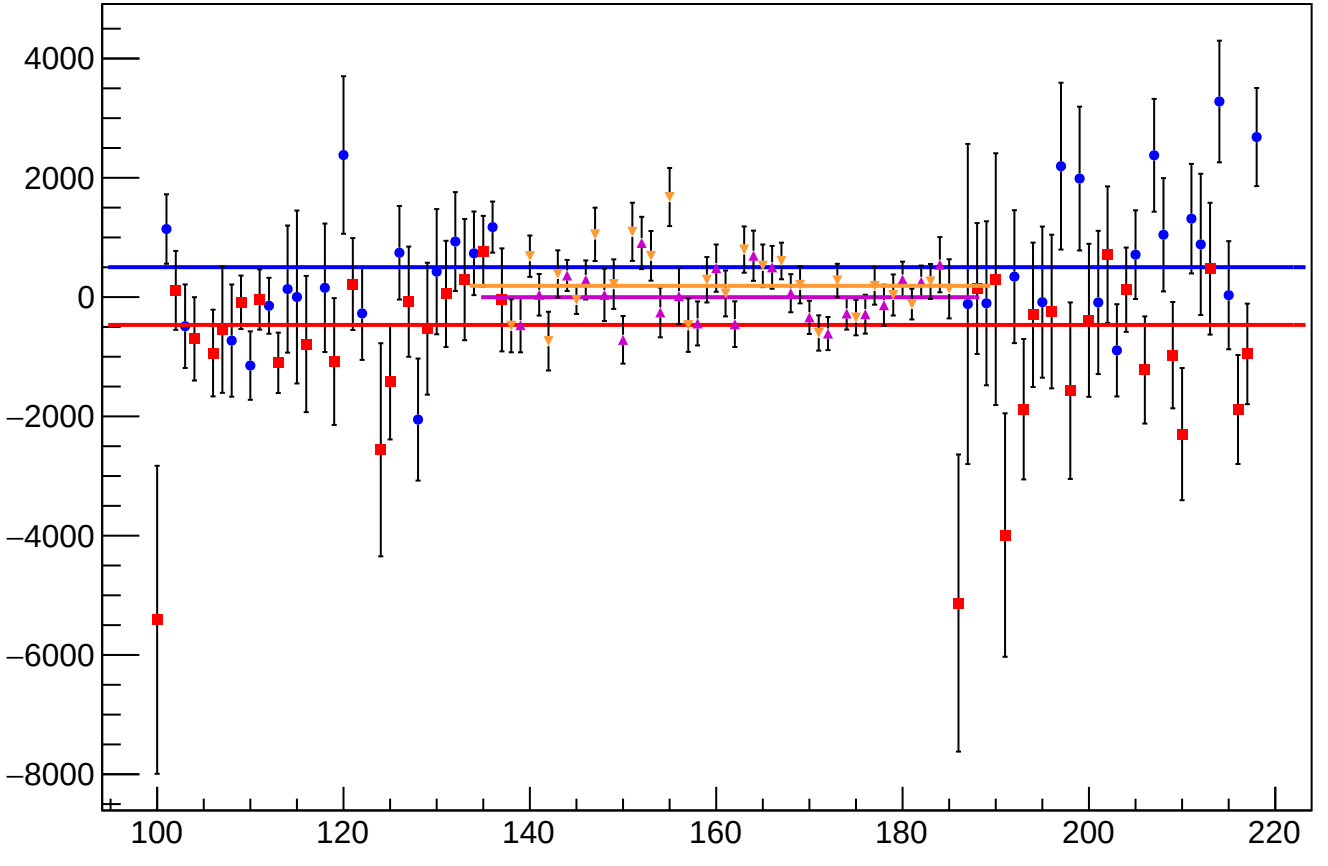
Right: 65.171+/-0.008 χ^2/NDF: 8588873.1/67

In: 51.365+/-0.006 χ^2/NDF:6260206.0/54

Out: 51.549+/-0.006 χ^2/NDF:7801469.2/60

All: 51.457+/-0.004 χ^2/NDF: 14062122.8/115

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -466.521+/-145.557 χ^2/NDF: 35.1/35

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

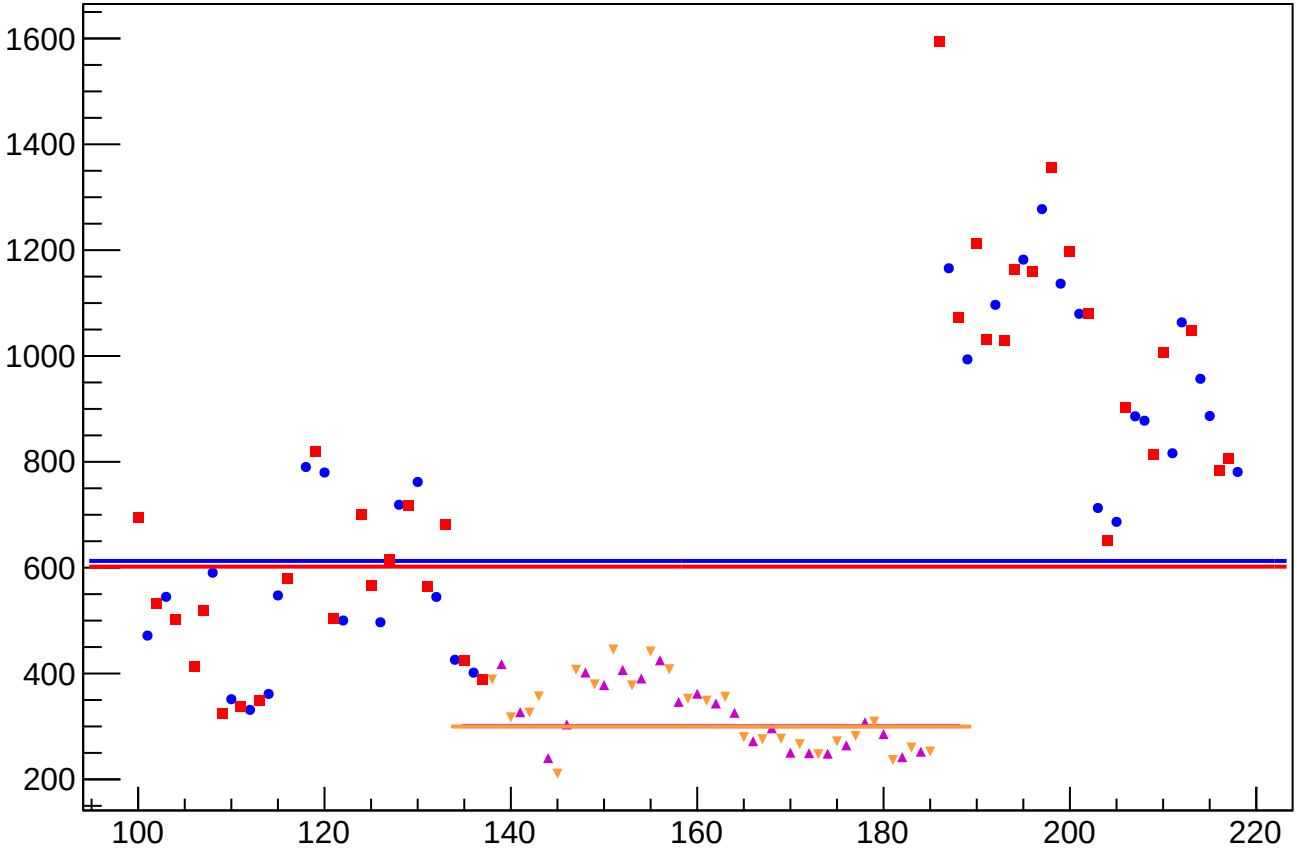
Right: 10.407+/-103.685 χ^2/NDF: 111.4/67

In: 94.334+/-64.513 χ^2/NDF:96.1/54

Out: 66.536+/-62.874 χ^2/NDF:98.4/60

All: 80.077+/-45.027 χ^2/NDF: 194.6/115

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: 601.986+/-0.103 χ^2/NDF: 6932014.5/35

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

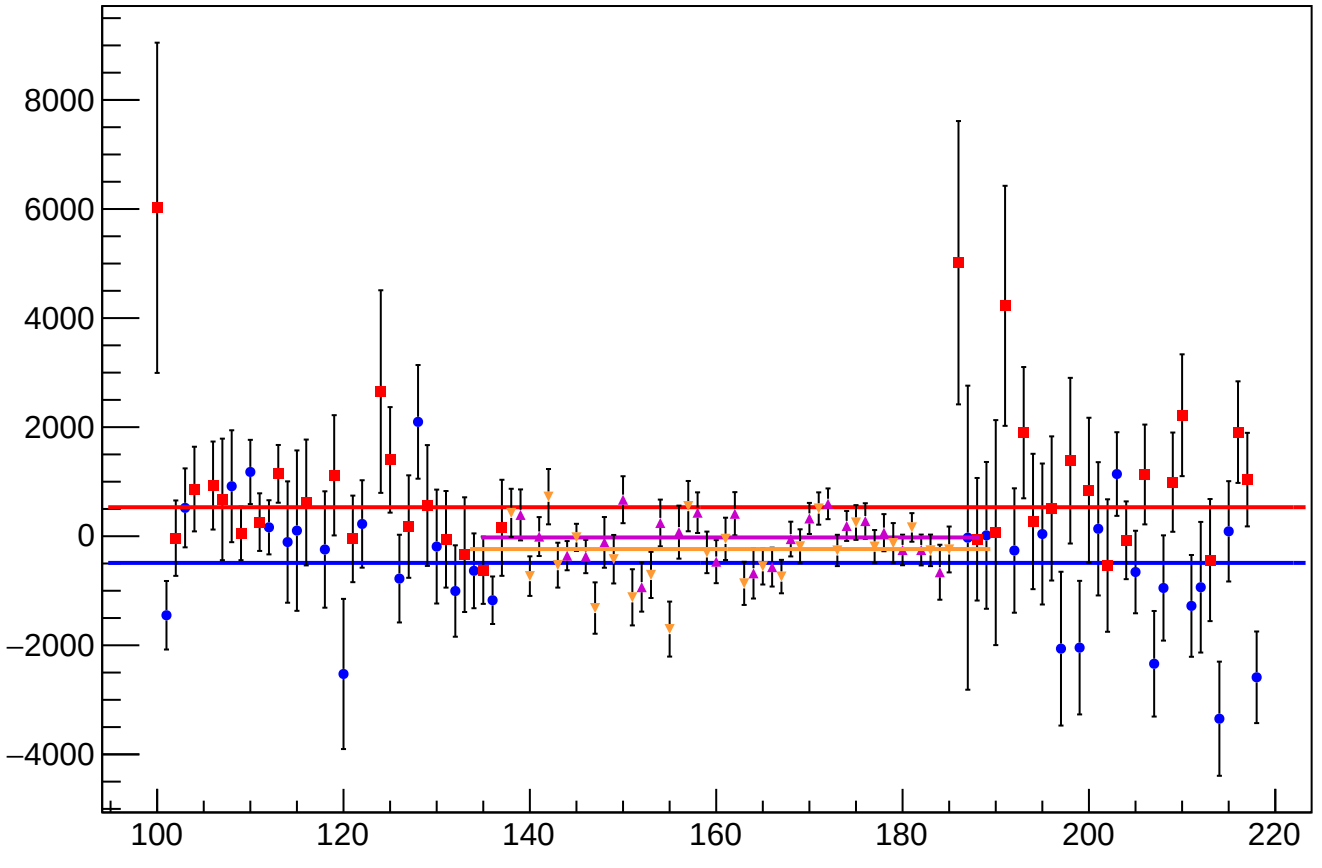
Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

Right: 607.286+/-0.073 χ^2/NDF: 12609492.2/67

In: 360.080+/-0.046 χ^2/NDF:14159986.2/54

Out: 356.182+/-0.044 χ^2/NDF:15521155.7/60

All: 358.081+/-0.032 χ^2/NDF: 29684886.6/1



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: 531.770+/-151.583 χ^2/NDF: 30.4/35

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

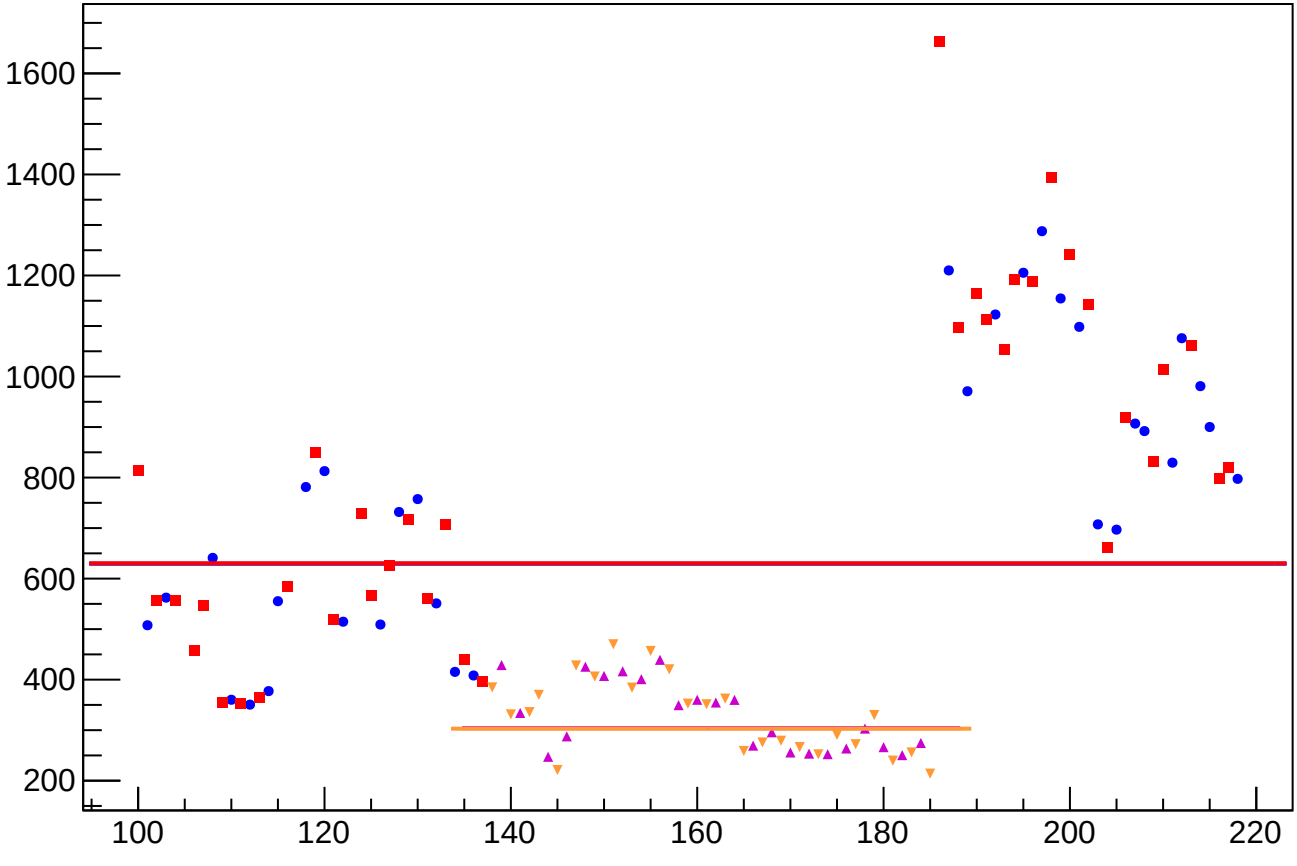
Right: 20.919+/-107.141 χ^2/NDF: 108.5/67

In: -109.891+/-65.498 χ^2/NDF:92.9/54

Out: -98.007+/-64.104 χ^2/NDF:98.9/60

All: -103.821+/-45.813 χ^2/NDF: 191.9/115

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: 630.297+/-0.107 χ^2/NDF: 6528802.3/35

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

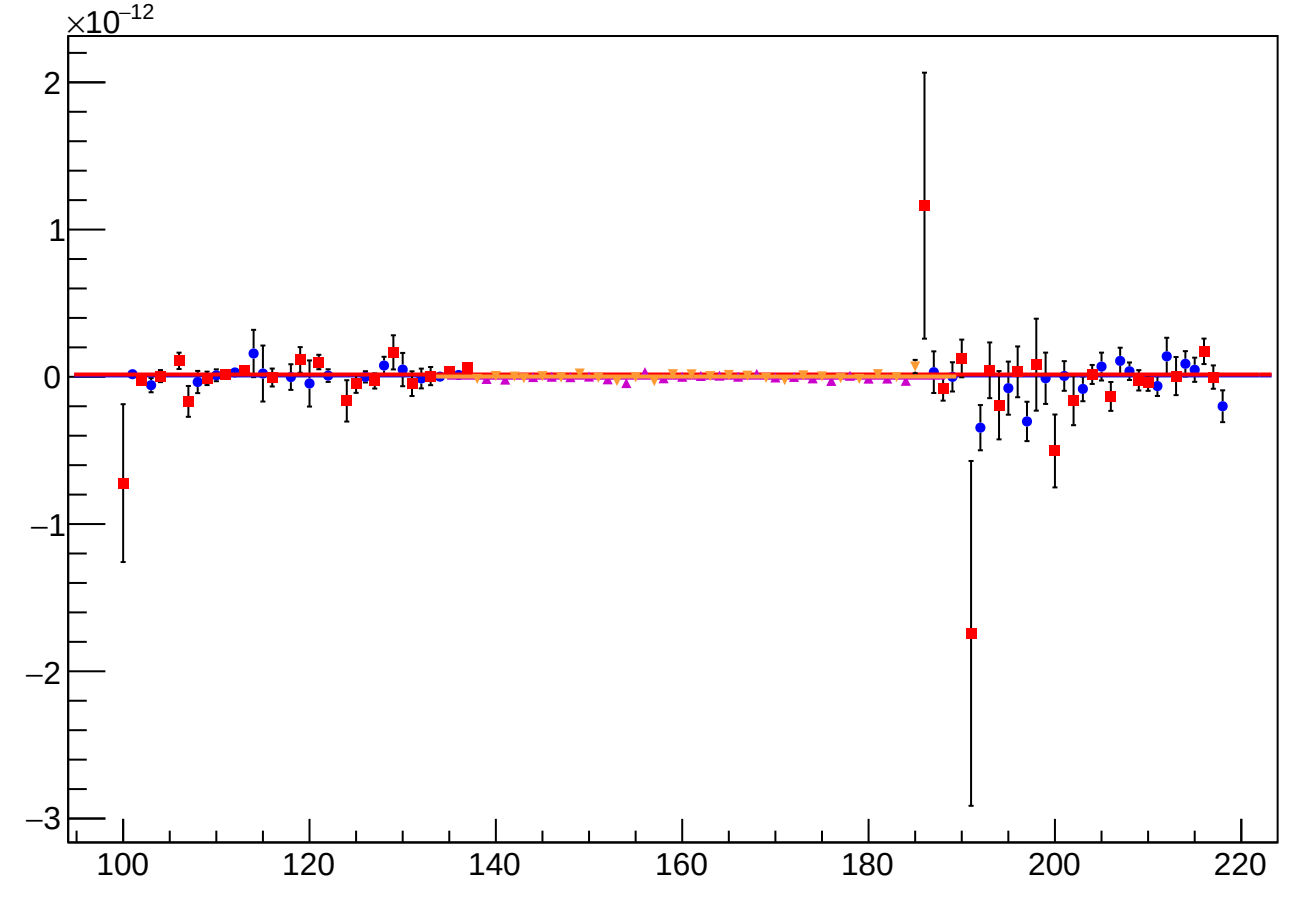
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 629.917+/-0.076 χ^2/NDF: 11999111.7/67

In: 364.819+/-0.046 χ^2/NDF:14361804.7/54

Out: 361.488+/-0.045 χ^2/NDF:15954145.9/60

All: 363.118+/-0.032 χ^2/NDF: 30318592.4/11



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: 43.1/35

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

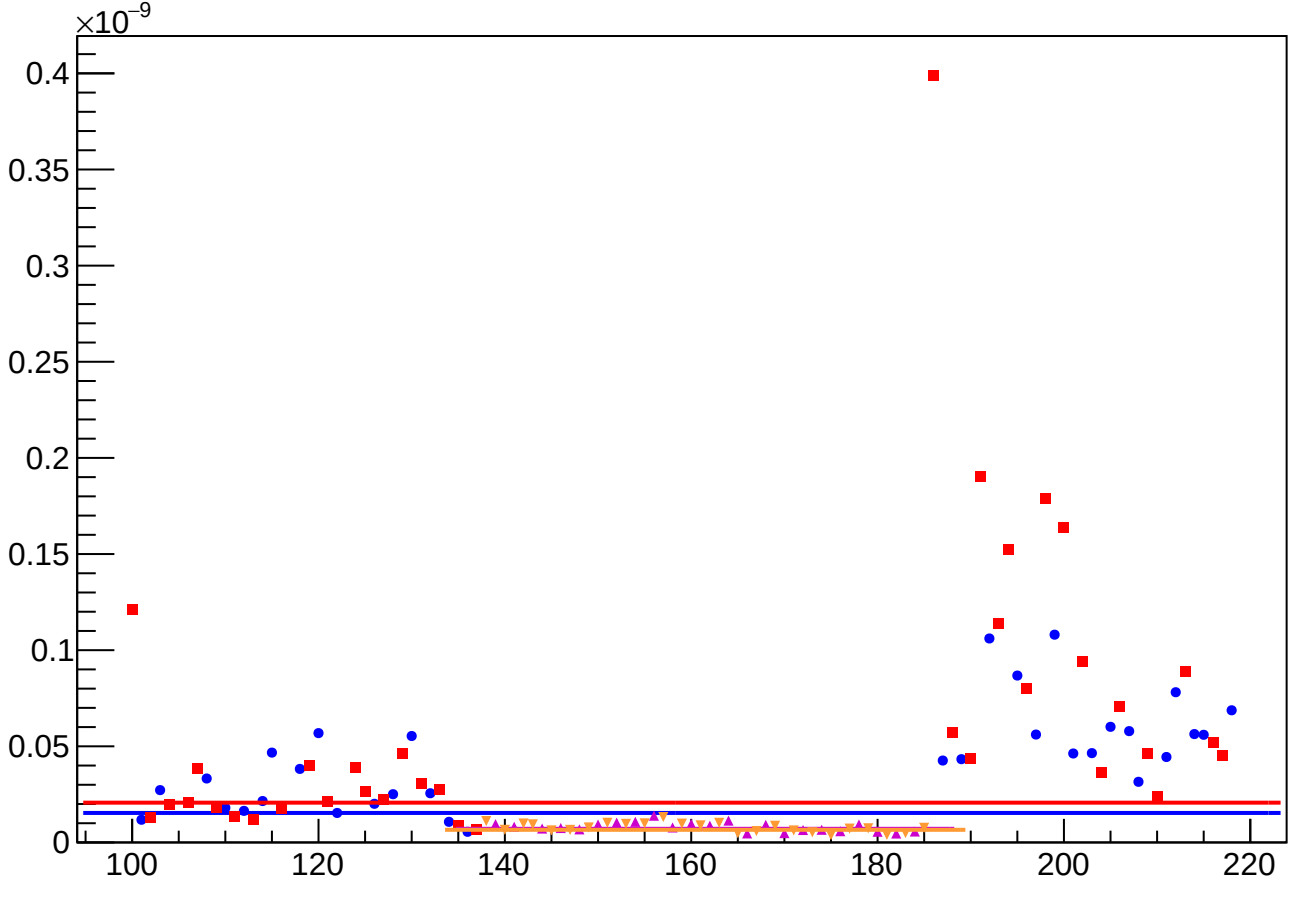
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 70.0/67

In: -0.000+/-0.000 χ^2/NDF:48.5/54

Out: 0.000+/-0.000 χ^2/NDF:67.9/60

All: -0.000+/-0.000 χ^2/NDF: 120.1/115



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: 7371059.0/35

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

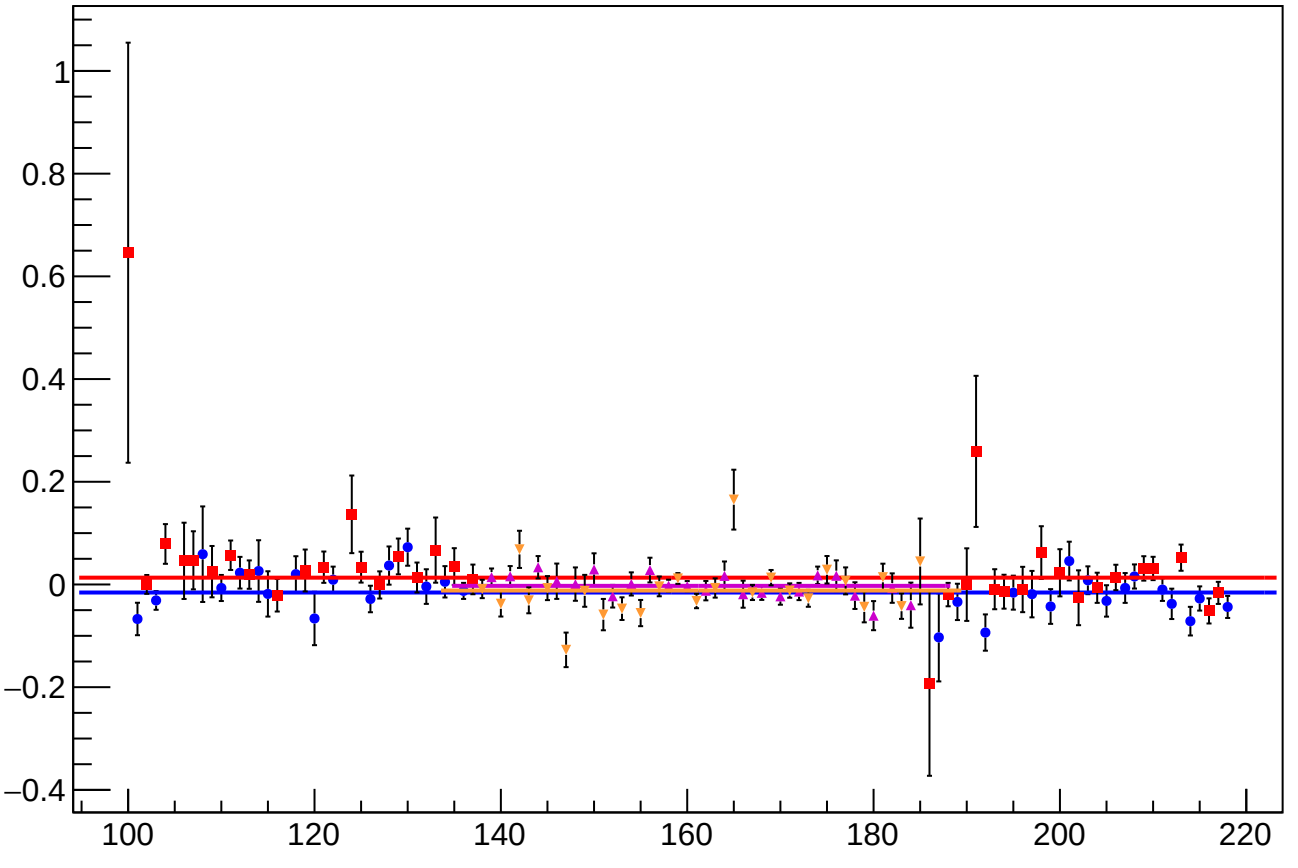
Left: 0.000+/-0.000 χ^2/NDF: 2496461.4/47

Right: 0.000+/-0.000 χ^2/NDF: 16203628.4/67

In: 0.000+/-0.000 χ^2/NDF:11502406.1/54

Out: 0.000+/-0.000 χ^2/NDF:12946731.8/60

All: 0.000+/-0.000 χ^2/NDF: 24491182.3/115



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: 0.013+/-0.005 χ^2/NDF: 38.3/35

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

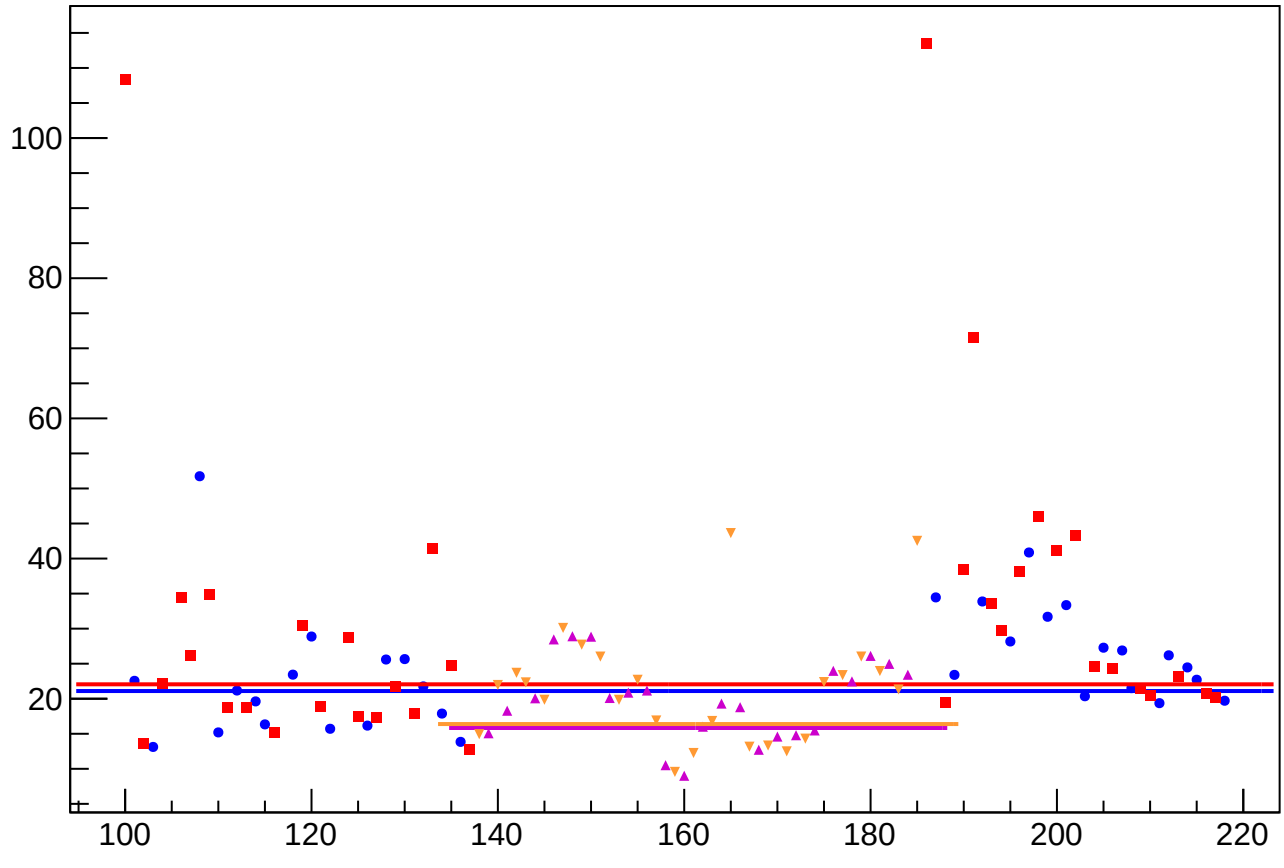
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: -0.002+/-0.004 χ^2/NDF: 90.3/67

In: -0.008+/-0.003 χ^2/NDF:60.6/54

Out: -0.003+/-0.003 χ^2/NDF:105.5/60

All: -0.005+/-0.002 χ^2/NDF: 167.2/115



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: 22.057+/-0.004 χ^2/NDF: 4139487.9/35

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

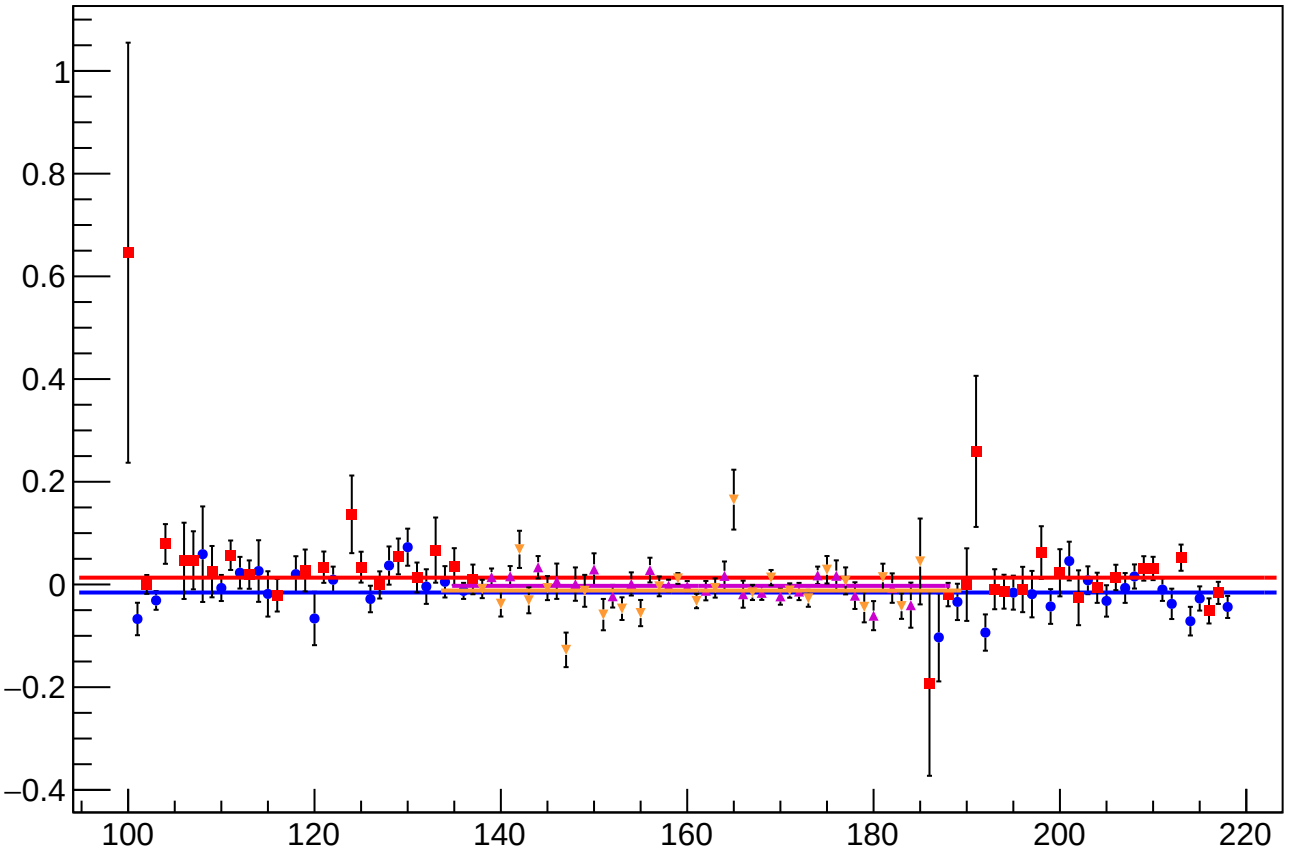
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.552+/-0.003 χ^2/NDF: 7121777.2/67

In: 17.839+/-0.002 χ^2/NDF:7905909.9/54

Out: 18.430+/-0.002 χ^2/NDF:9570367.1/60

All: 18.127+/-0.002 χ^2/NDF: 17510093.4/115



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: 0.013+/-0.005 χ^2/NDF: 38.3/35

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

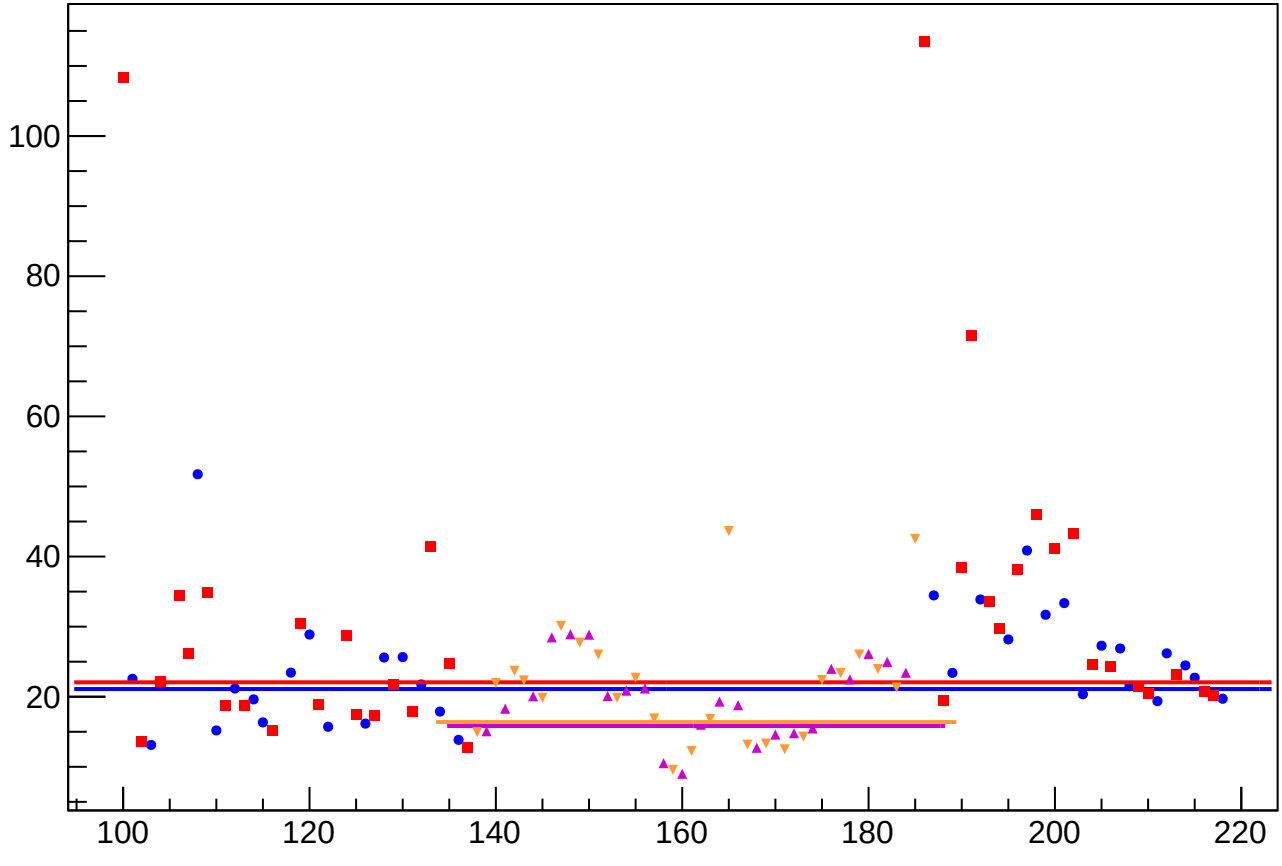
Right: -0.002+/-0.004 χ^2/NDF: 90.3/67

In: -0.008+/-0.003 χ^2/NDF:60.6/54

Out: -0.003+/-0.003 χ^2/NDF:105.5/60

All: -0.005+/-0.002 χ^2/NDF: 167.2/115

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: 22.057+/-0.004 χ^2/NDF: 4139487.9/35

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

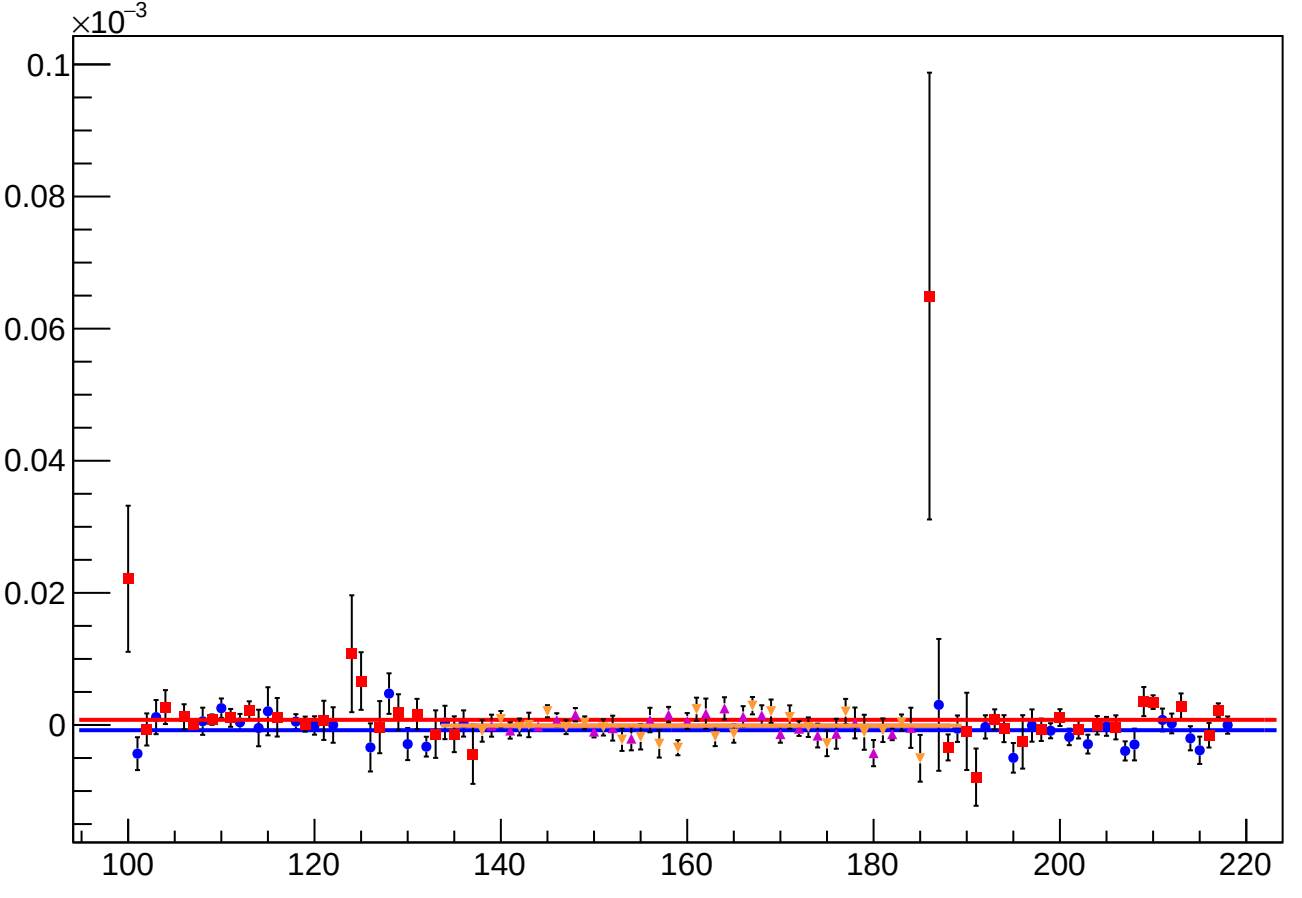
Right: 21.552+/-0.003 χ^2/NDF: 7121777.2/67

In: 17.839+/-0.002 χ^2/NDF:7905909.9/54

Out: 18.430+/-0.002 χ^2/NDF:9570367.1/60

All: 18.127+/-0.002 χ^2/NDF: 17510093.4/115

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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: 41.9/35

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

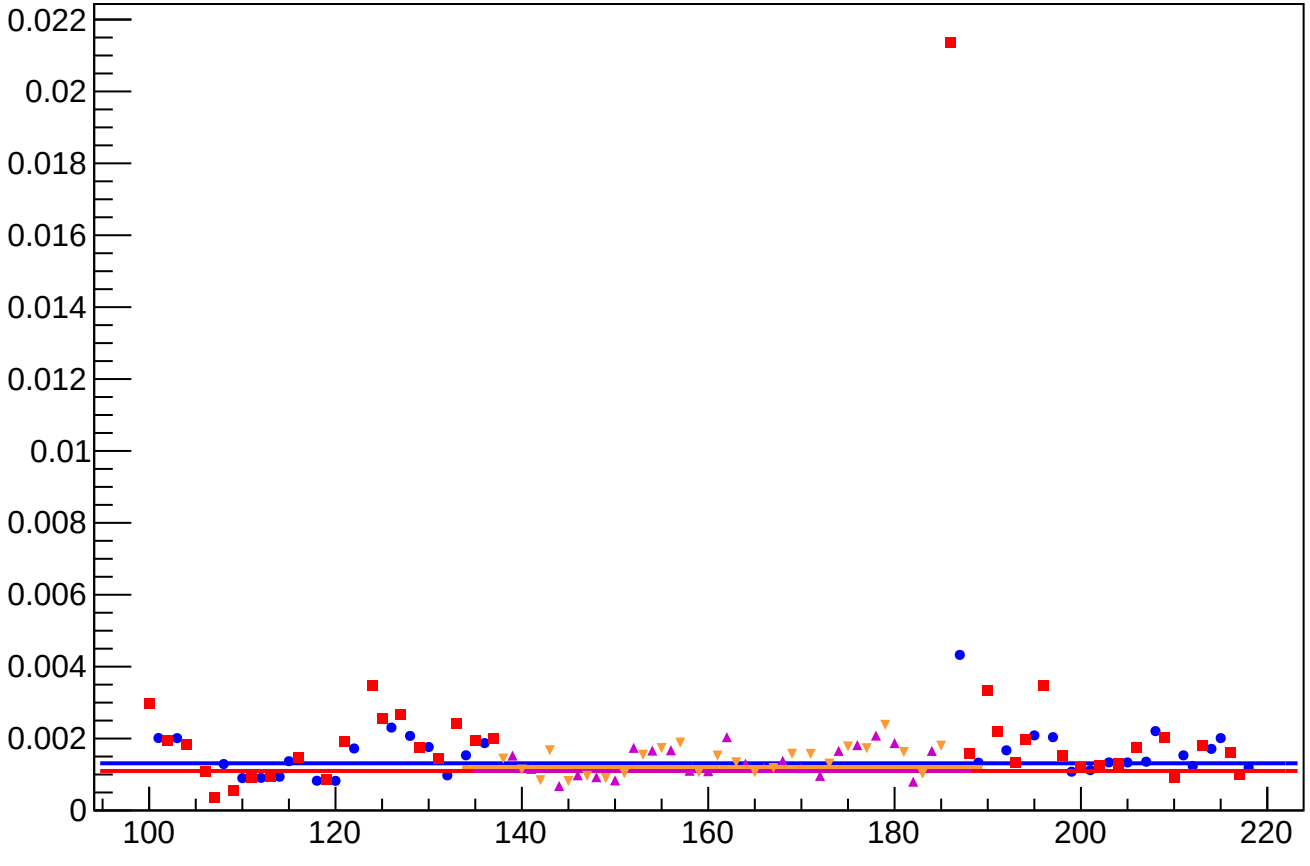
Right: 0.000+/-0.000 χ^2/NDF: 91.7/67

In: -0.000+/-0.000 χ^2/NDF:60.4/54

Out: 0.000+/-0.000 χ^2/NDF:82.7/60

All: -0.000+/-0.000 χ^2/NDF: 150.1/115

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: 8820992.5/35

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

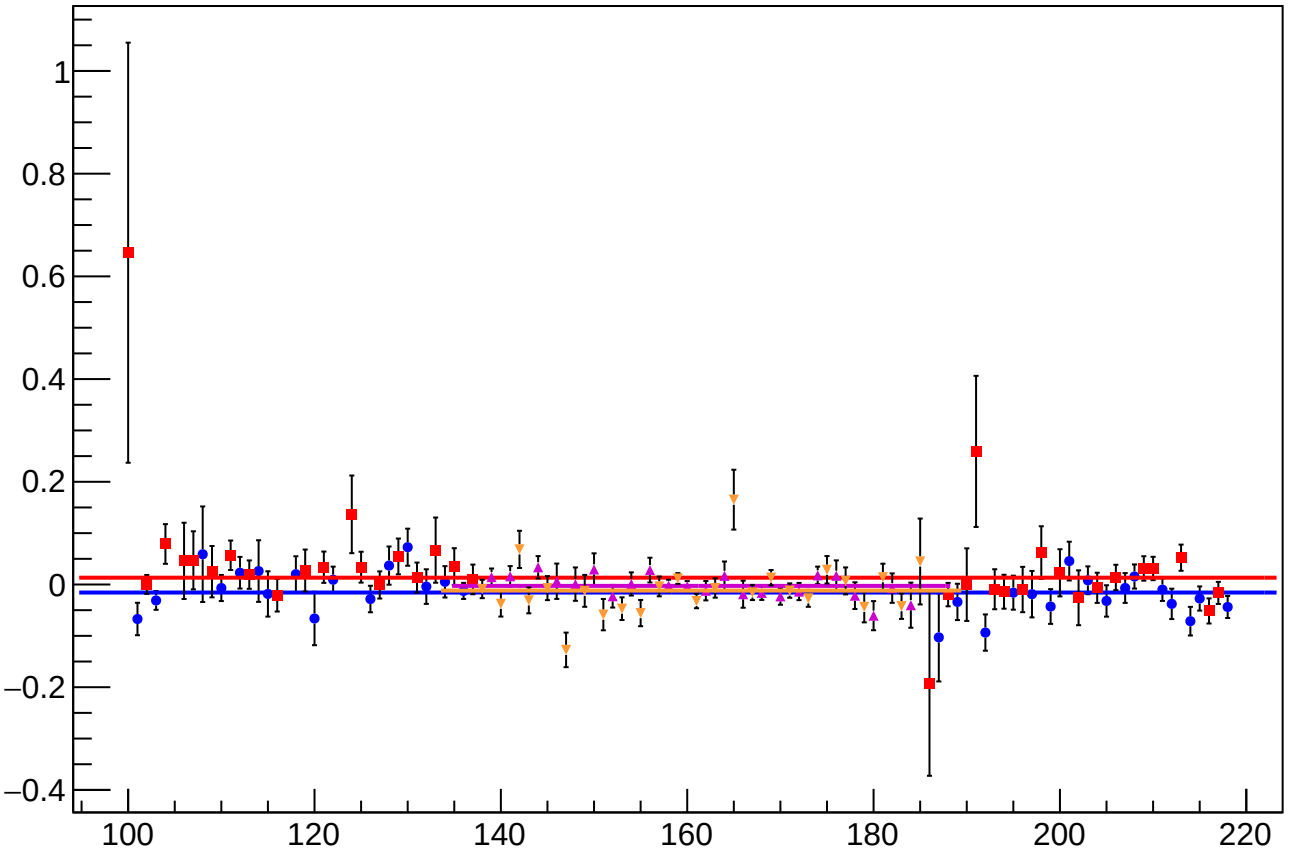
Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

Right: 0.001+/-0.000 χ^2/NDF: 12793999.8/67

In: 0.001+/-0.000 χ^2/NDF:7450651.5/54

Out: 0.001+/-0.000 χ^2/NDF:11690220.4/60

All: 0.001+/-0.000 χ^2/NDF: 19186051.5/115



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: 0.013+/-0.005 χ^2/NDF: 38.3/35

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

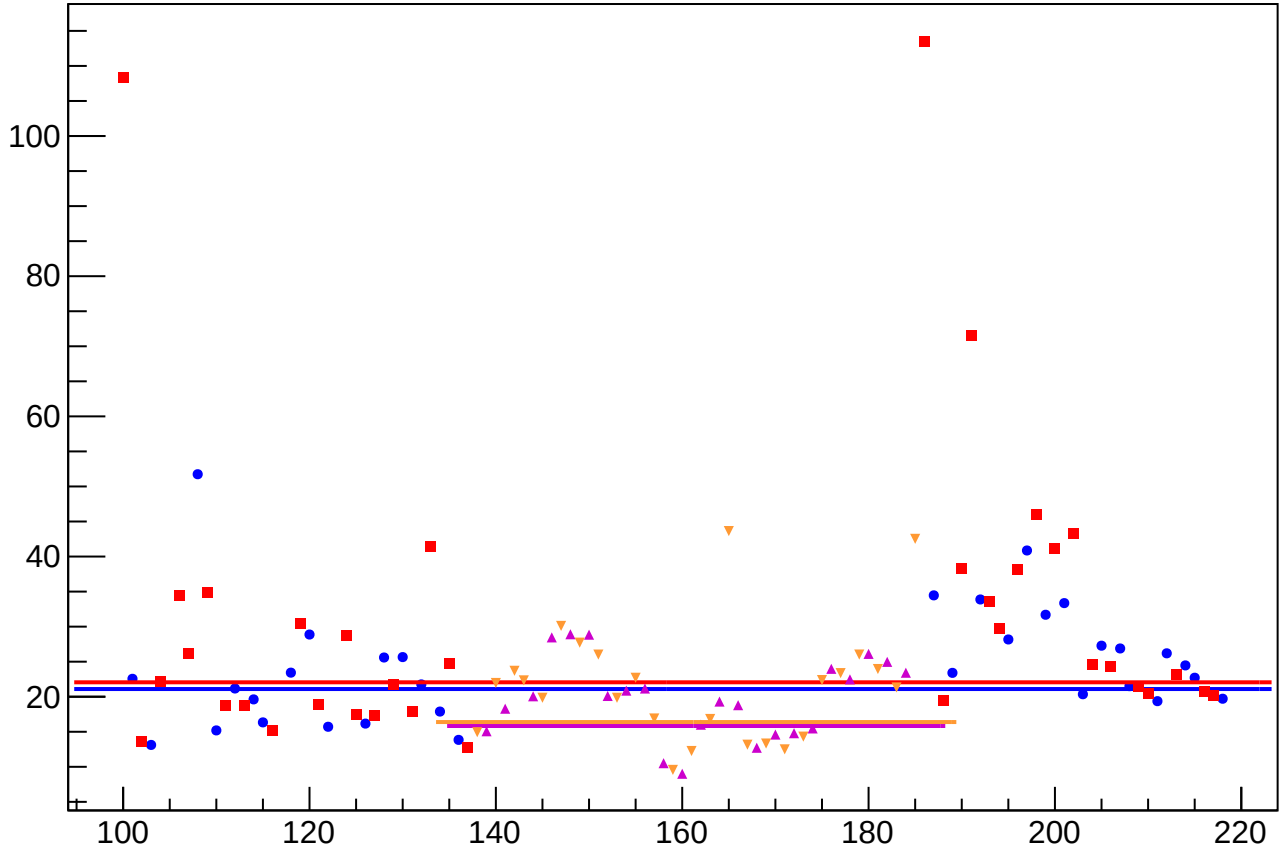
Right: -0.002+/-0.004 χ^2/NDF: 90.3/67

In: -0.008+/-0.003 χ^2/NDF:60.6/54

Out: -0.003+/-0.003 χ^2/NDF:105.5/60

All: -0.005+/-0.002 χ^2/NDF: 167.2/115

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: 22.058+/-0.004 χ^2/NDF: 4139242.9/35

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

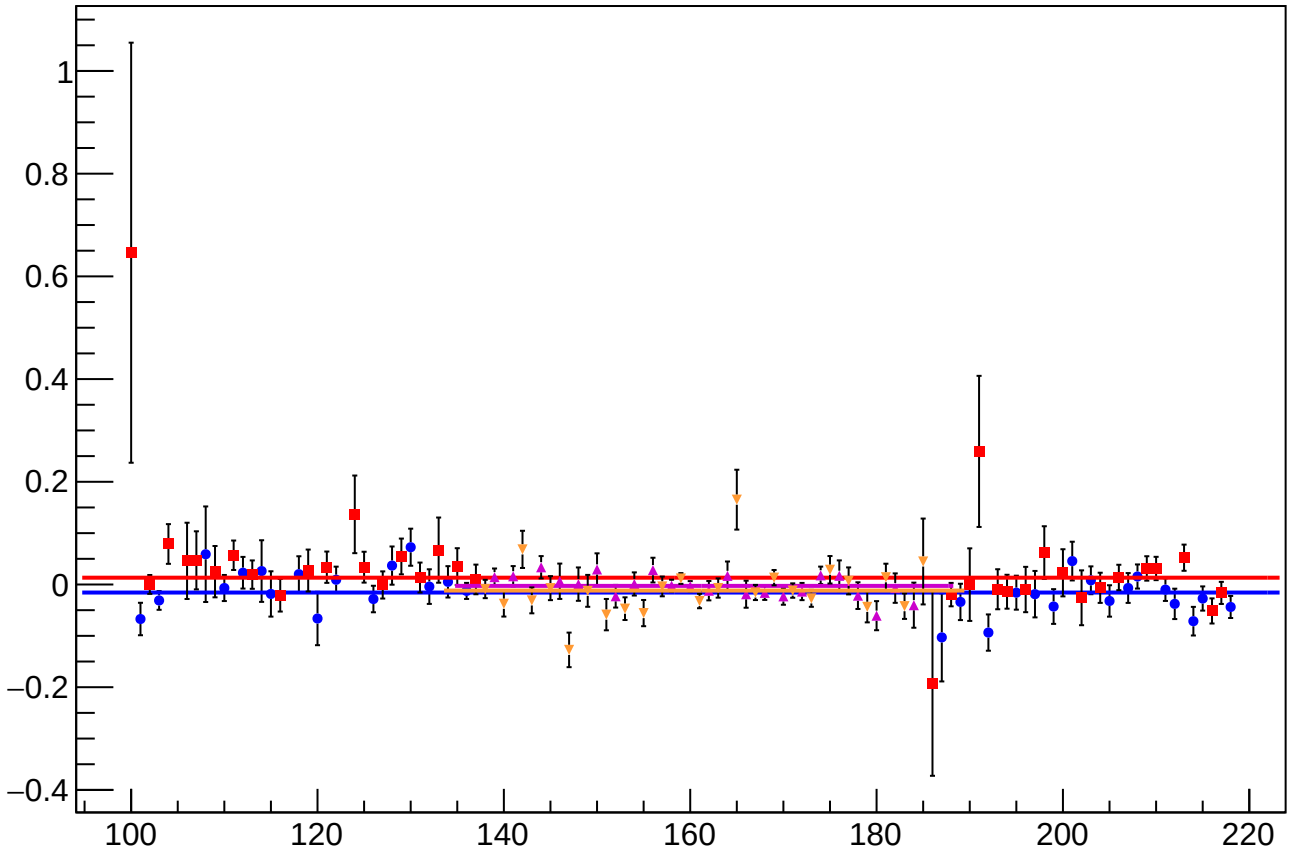
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.552+/-0.003 χ^2/NDF: 7121587.3/67

In: 17.839+/-0.002 χ^2/NDF:7906422.6/54

Out: 18.430+/-0.002 χ^2/NDF:9570619.1/60

All: 18.127+/-0.002 χ^2/NDF: 17510874.0/115



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: 0.013+/-0.005 χ^2/NDF: 38.3/35

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

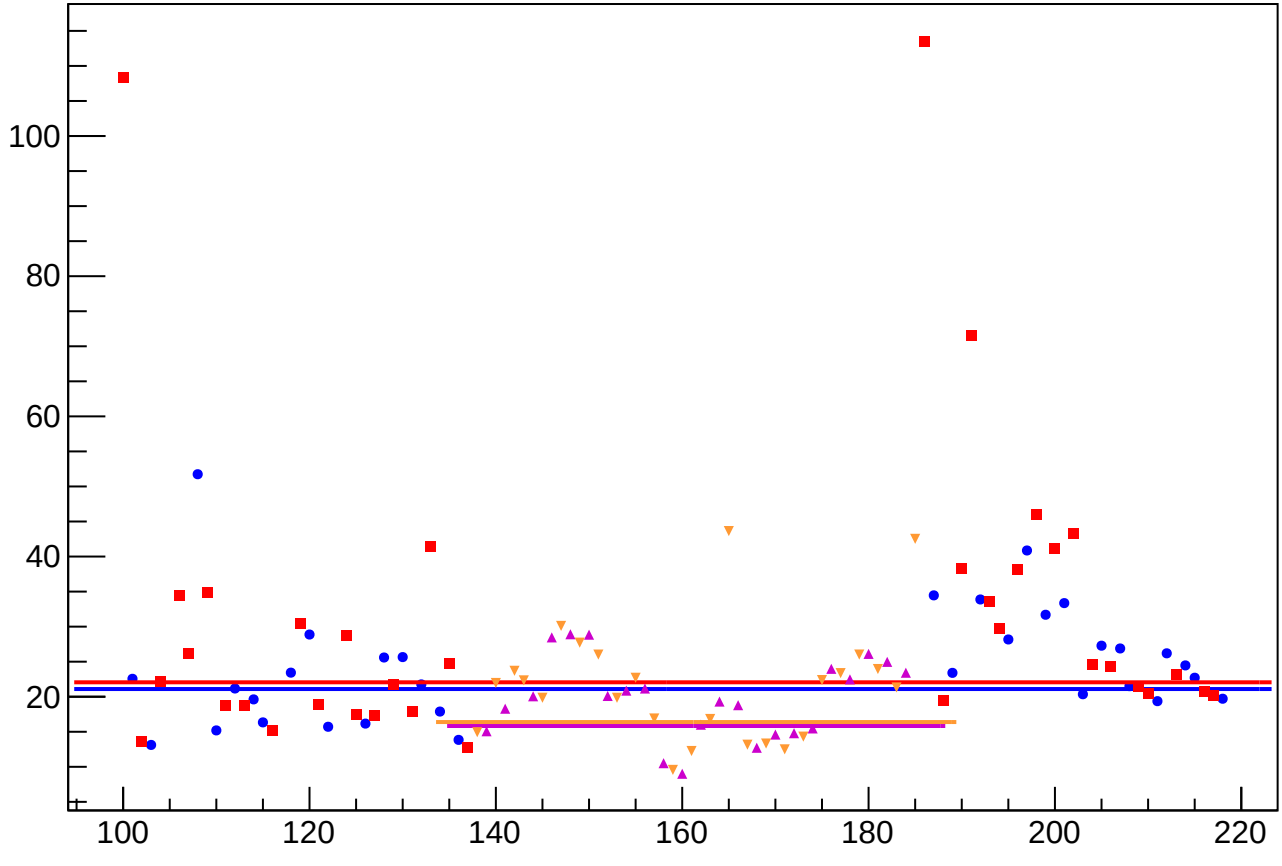
Right: -0.002+/-0.004 χ^2/NDF: 90.3/67

In: -0.008+/-0.003 χ^2/NDF:60.6/54

Out: -0.003+/-0.003 χ^2/NDF:105.5/60

All: -0.005+/-0.002 χ^2/NDF: 167.2/115

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: 22.058+/-0.004 χ^2/NDF: 4139242.9/35

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

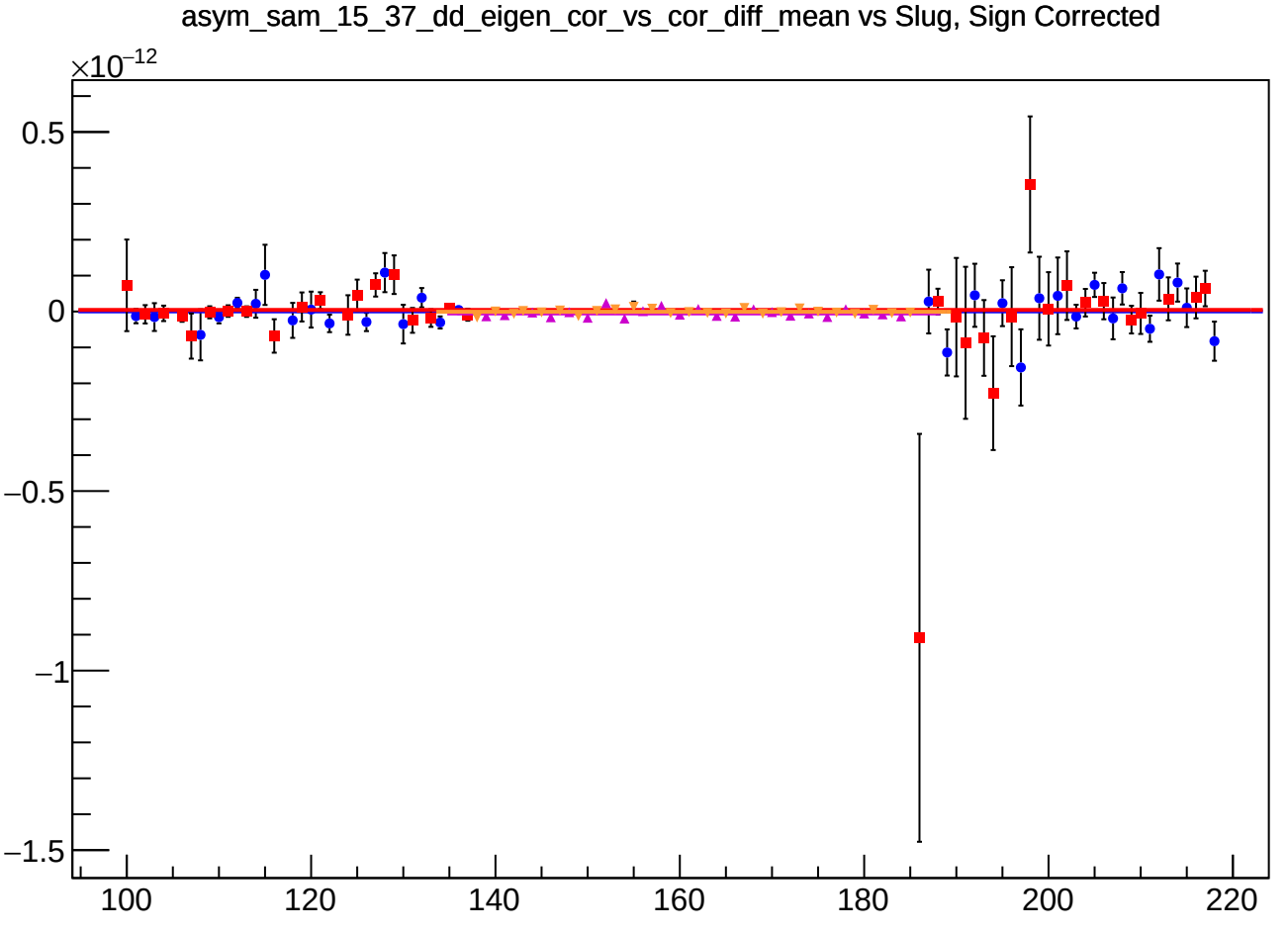
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.552+/-0.003 χ^2/NDF: 7121587.3/67

In: 17.839+/-0.002 χ^2/NDF:7906422.6/54

Out: 18.430+/-0.002 χ^2/NDF:9570619.1/60

All: 18.127+/-0.002 χ^2/NDF: 17510874.0/115



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: 32.2/35

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

Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

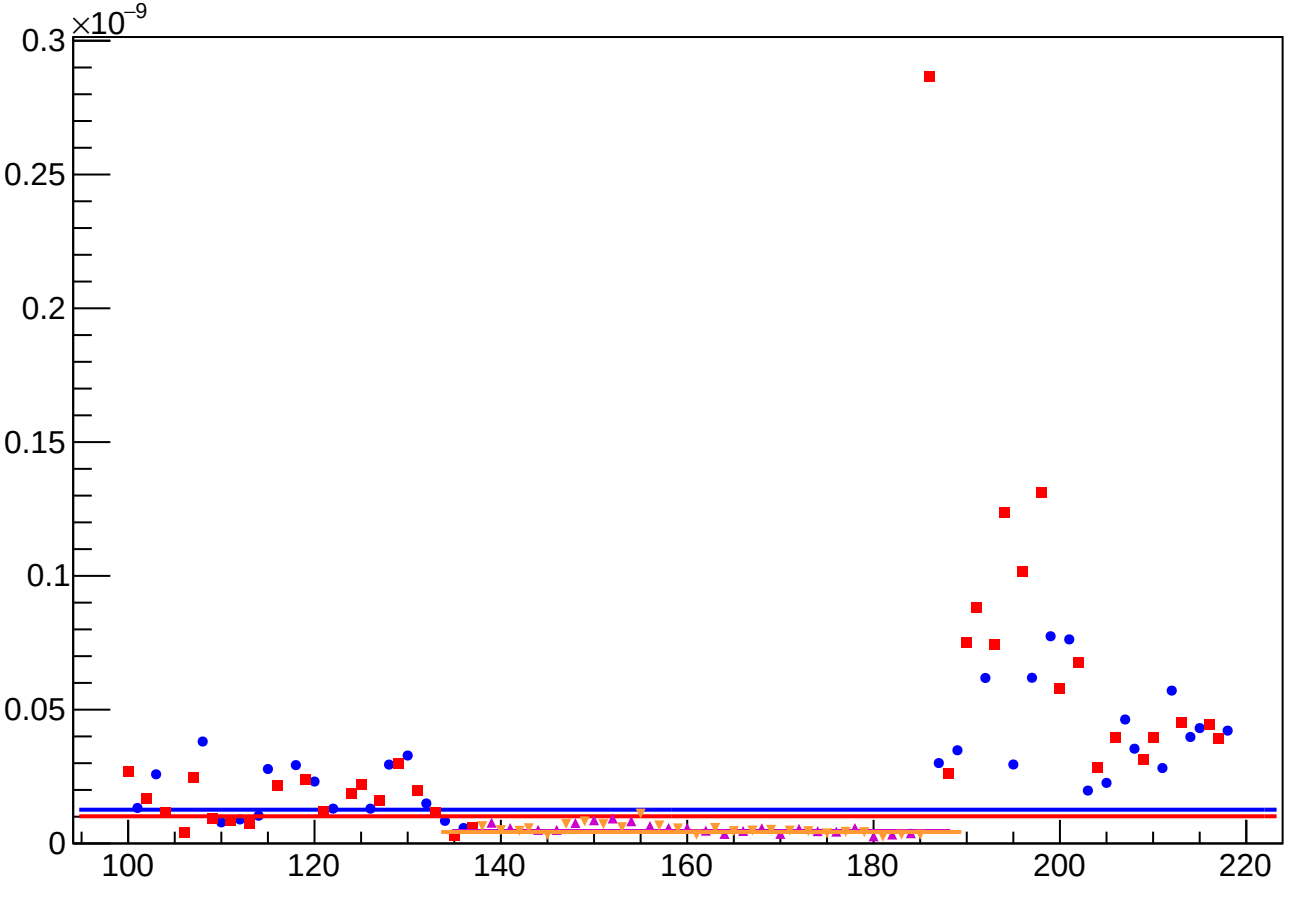
Right: 0.000+/-0.000 χ^2/NDF: 74.4/67

In: -0.000+/-0.000 χ^2/NDF:81.2/54

Out: -0.000+/-0.000 χ^2/NDF:52.6/60

All: -0.000+/-0.000 χ^2/NDF: 140.1/115

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: 14140733.3/35

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

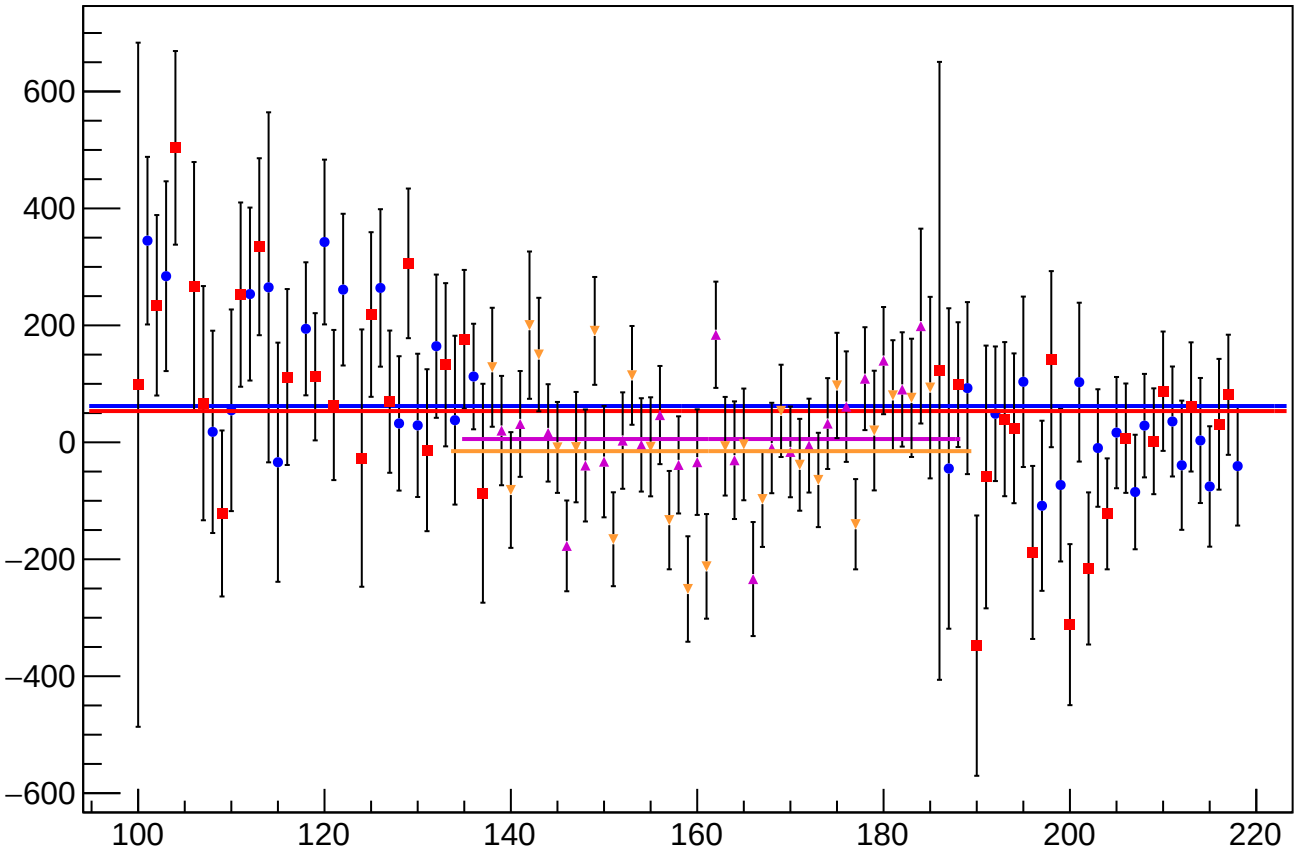
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 24974214.3/67

In: 0.000+/-0.000 χ^2/NDF:18242823.7/54

Out: 0.000+/-0.000 χ^2/NDF:20147838.5/60

All: 0.000+/-0.000 χ^2/NDF: 38562127.4/115



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: 53.445+/-22.327 χ^2/NDF: 46.7/35

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

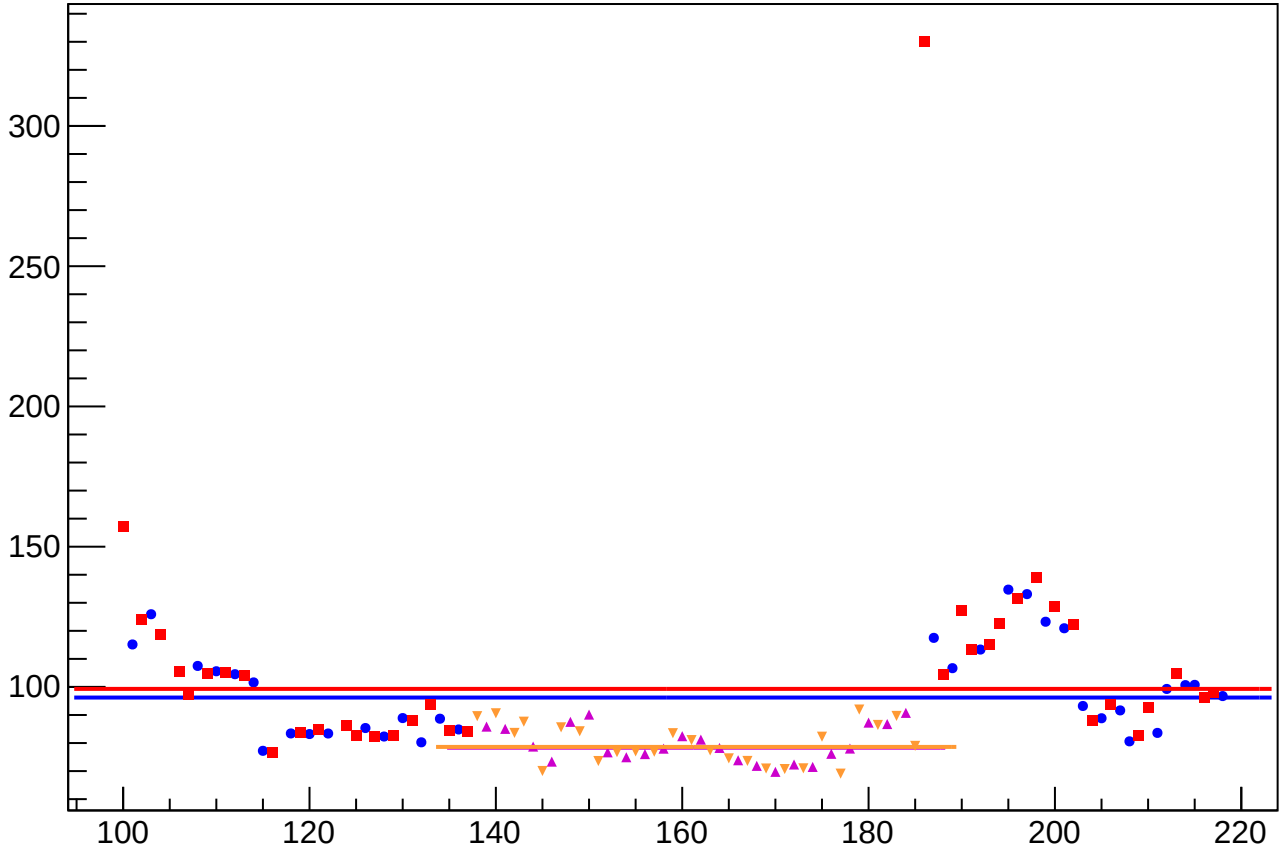
Right: 57.873+/-15.580 χ^2/NDF: 76.1/67

In: 29.144+/-14.040 χ^2/NDF:56.2/54

Out: 11.824+/-13.993 χ^2/NDF:94.1/60

All: 20.455+/-9.911 χ^2/NDF: 151.1/115

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: 99.305+/-0.016 χ^2/NDF: 1413561.0/35

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

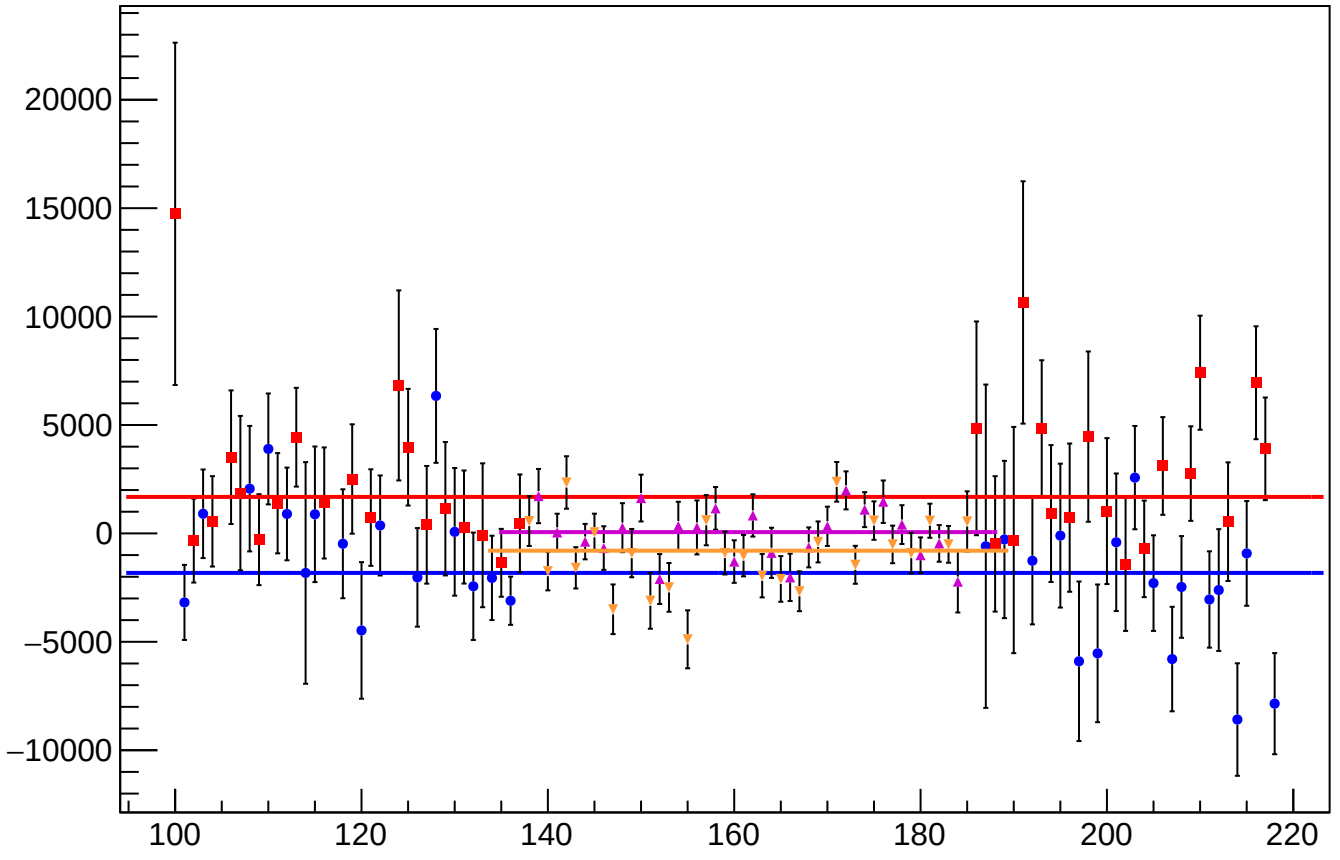
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 97.722+/-0.011 χ^2/NDF: 2367384.3/67

In: 85.785+/-0.010 χ^2/NDF:1932041.0/54

Out: 86.744+/-0.010 χ^2/NDF:2763407.8/60

All: 86.266+/-0.007 χ^2/NDF: 4700131.1/115



Right In: -1822.186+/-428.523 χ^2/NDF: 45.8/31

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1683.090+/-444.454 χ^2/NDF: 32.1/35

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

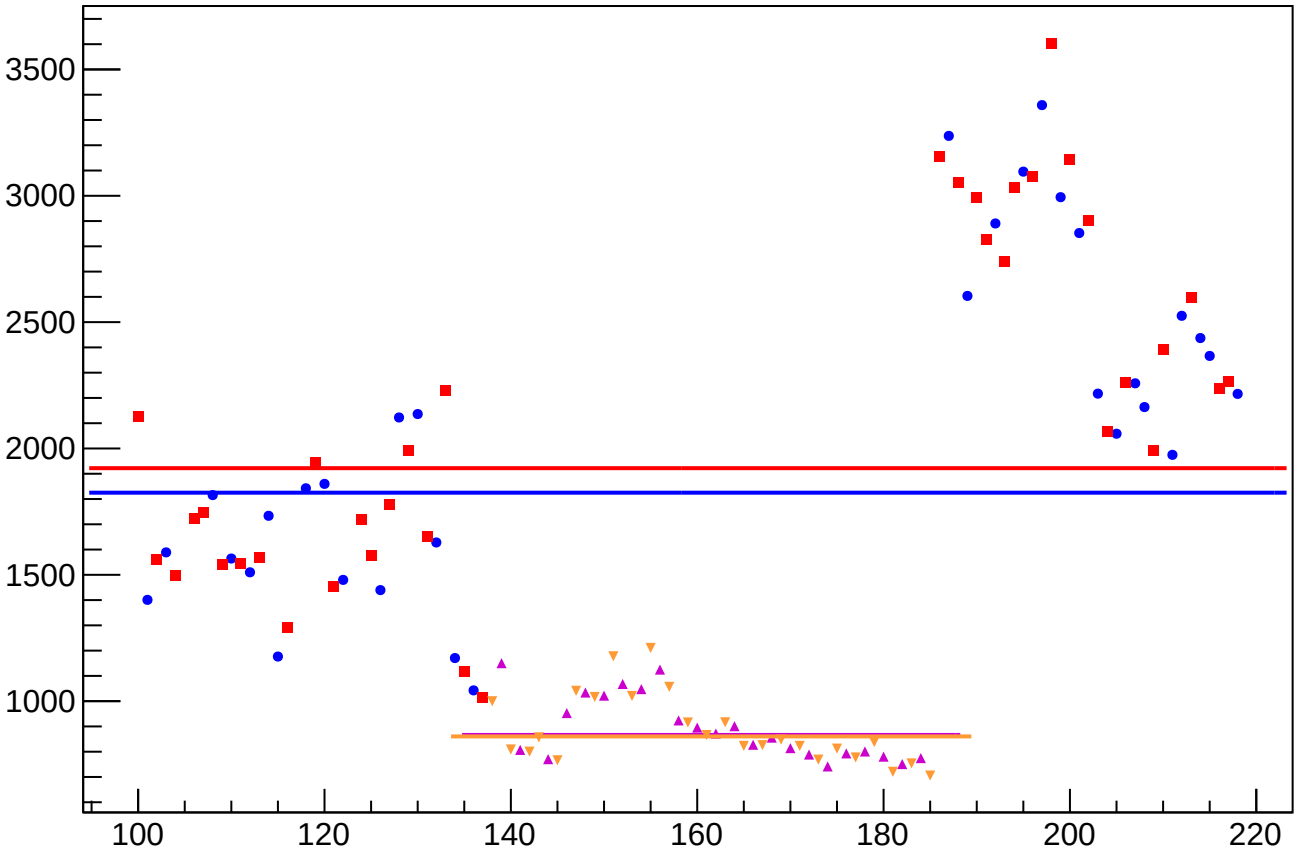
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -133.494+/-308.490 χ^2/NDF: 110.2/67

In: -289.372+/-184.515 χ^2/NDF:92.0/54

Out: -386.707+/-180.776 χ^2/NDF:117.6/60

All: -339.036+/-129.129 χ^2/NDF: 209.7/115



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: 1922.056+/-0.314 χ^2/NDF: 3763238.0/35

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

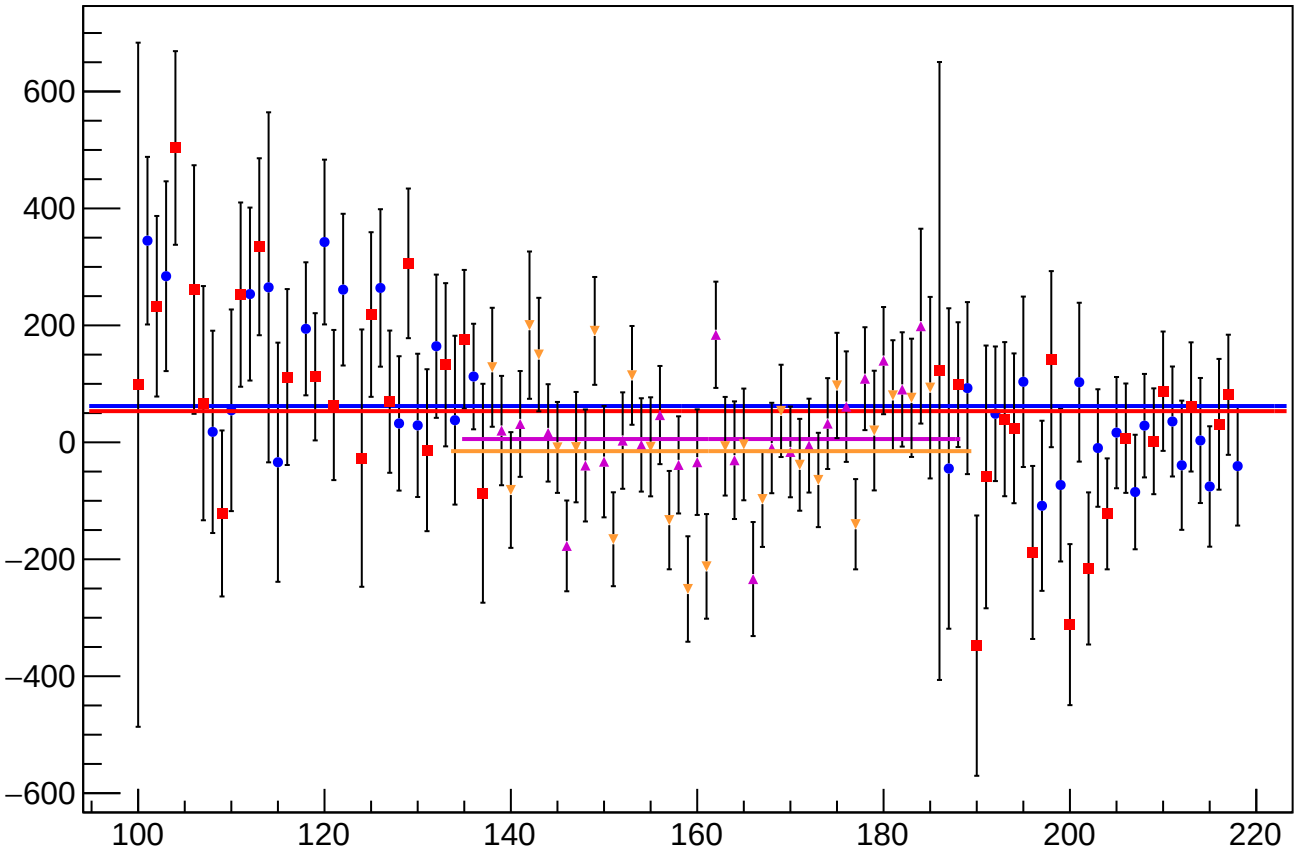
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1871.792+/-0.218 χ^2/NDF: 7617663.9/67

In: 1044.098+/-0.130 χ^2/NDF:12572942.9/54

Out: 1036.112+/-0.128 χ^2/NDF:13984489.1/60

All: 1040.023+/-0.091 χ^2/NDF: 26559344.0/1



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: 53.334+/-22.327 χ^2/NDF: 46.7/35

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

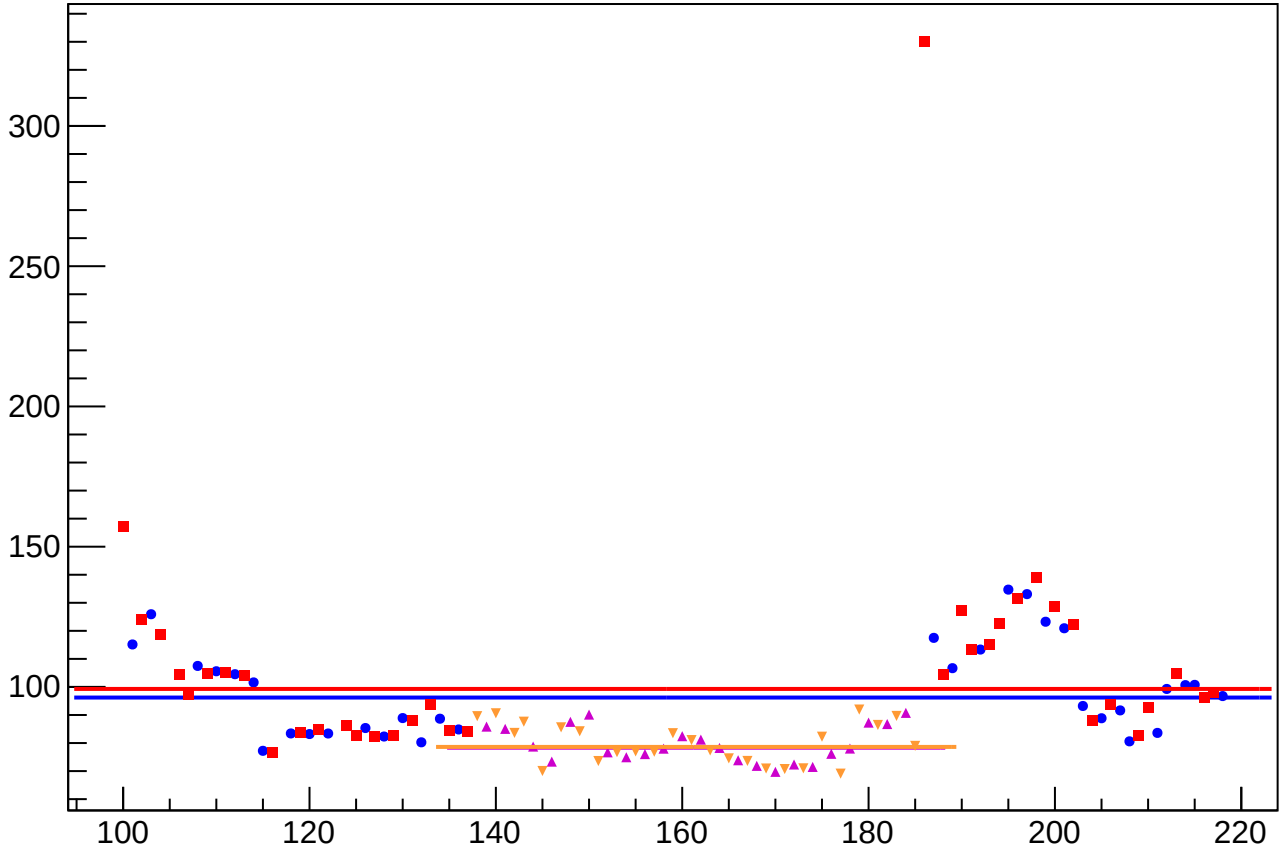
Right: 57.816+/-15.581 χ^2/NDF: 76.0/67

In: 29.140+/-14.040 χ^2/NDF:56.2/54

Out: 11.780+/-13.993 χ^2/NDF:94.0/60

All: 20.431+/-9.911 χ^2/NDF: 151.0/115

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: 99.292+/-0.016 χ^2/NDF: 1413096.3/35

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

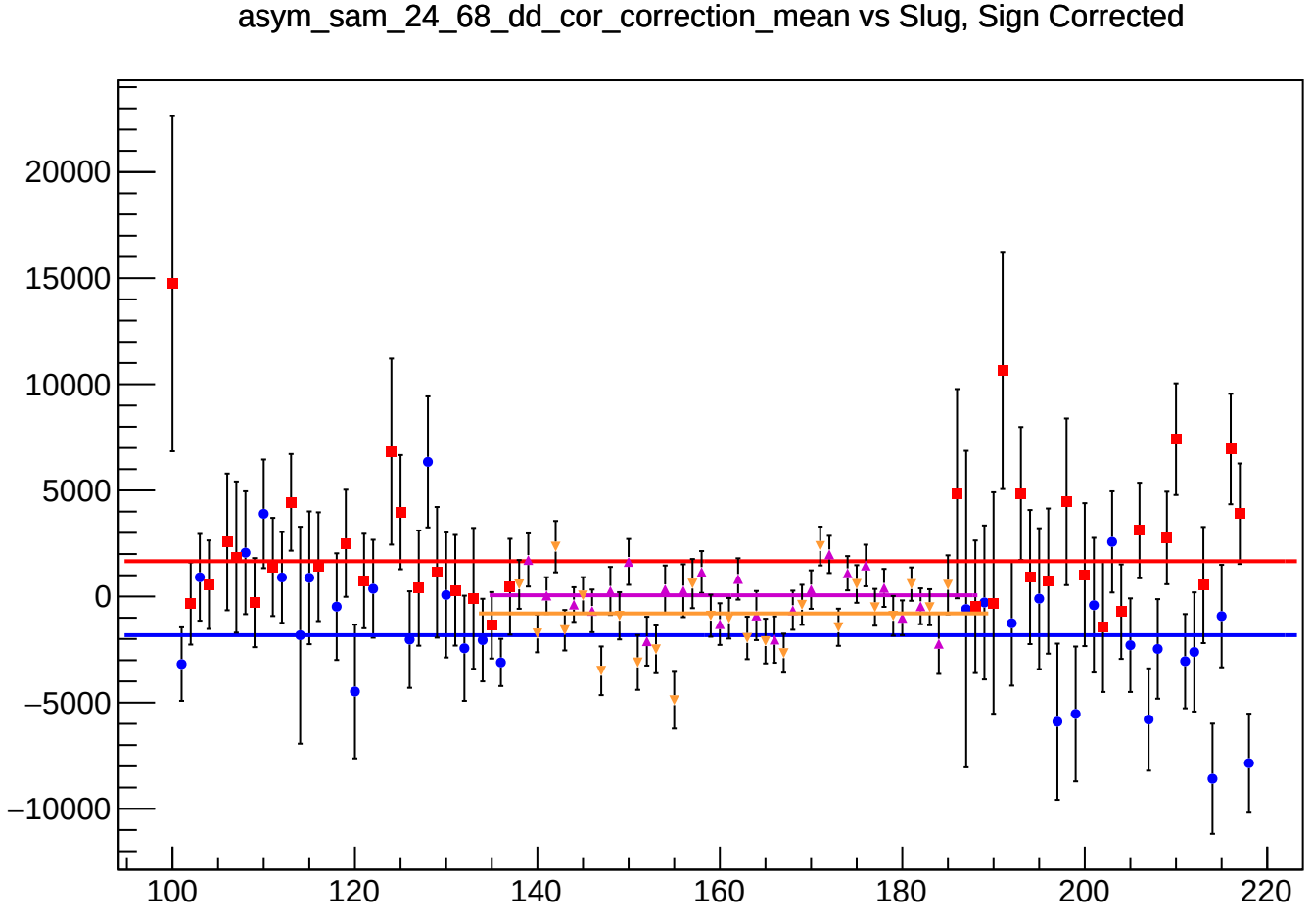
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 97.715+/-0.011 χ^2/NDF: 2366746.8/67

In: 85.785+/-0.010 χ^2/NDF:1932042.8/54

Out: 86.738+/-0.010 χ^2/NDF:2761528.6/60

All: 86.263+/-0.007 χ^2/NDF: 4698198.8/115



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: 1662.203+/-444.854 χ^2/NDF: 31.9/35

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

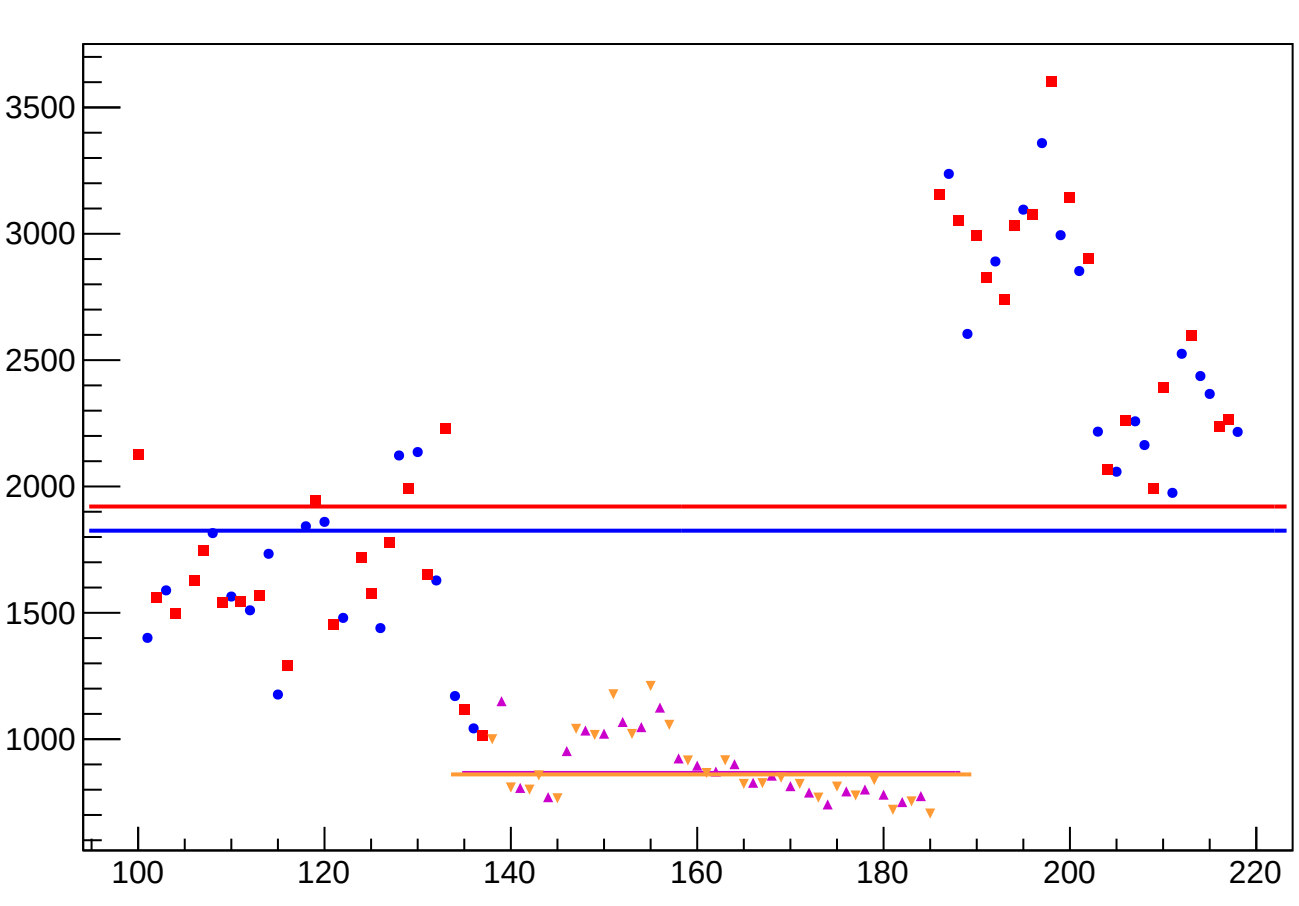
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

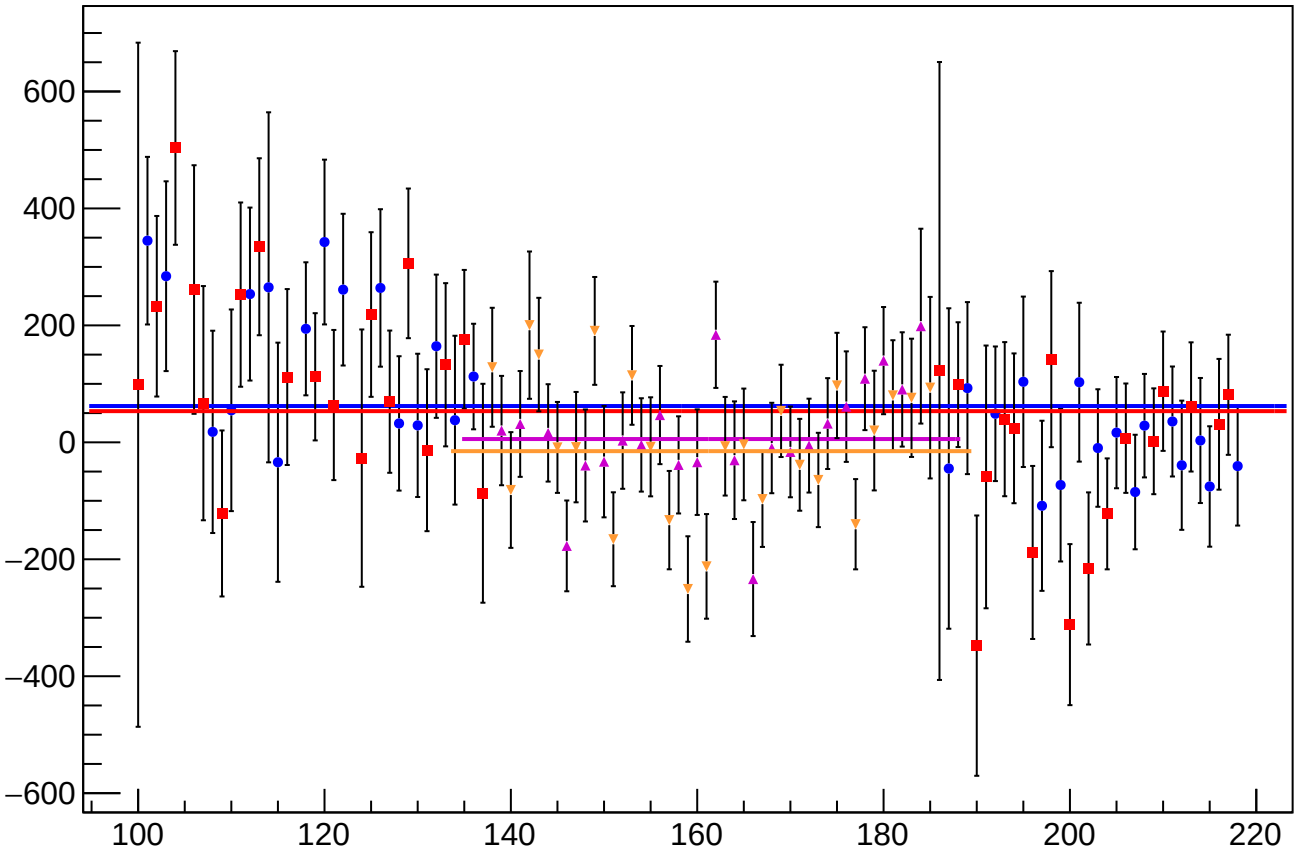
Right: -145.110+/-308.624 χ^2/NDF: 109.5/67

In: -289.369+/-184.515 χ^2/NDF:92.0/54

Out: -390.771+/-180.803 χ^2/NDF:116.8/60

All: -341.100+/-129.139 χ^2/NDF: 209.0/115


asym_sam_24_68_dd_cor_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
220
Right In: 1825.070+/-0.303 χ²/NDF: 3805052.3/31
Left Out: 860.492+/-0.140 χ²/NDF:699250.7/24
Right Out: 1920.661+/-0.315 χ²/NDF: 3771153.0/35
Left In: 866.352+/-0.145 χ²/NDF:613256.3/22
Left: 863.327+/-0.101 χ²/NDF: 1313355.3/47
Right: 1871.079+/-0.218 χ²/NDF: 7624105.7/67
In: 1044.099+/-0.130 χ²/NDF:12572955.4/54
Out: 1035.618+/-0.128 χ²/NDF:13953170.5/60
All: 1039.772+/-0.091 χ²/NDF: 26528281.3/1



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: 53.334+/-22.327 χ^2/NDF: 46.7/35

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

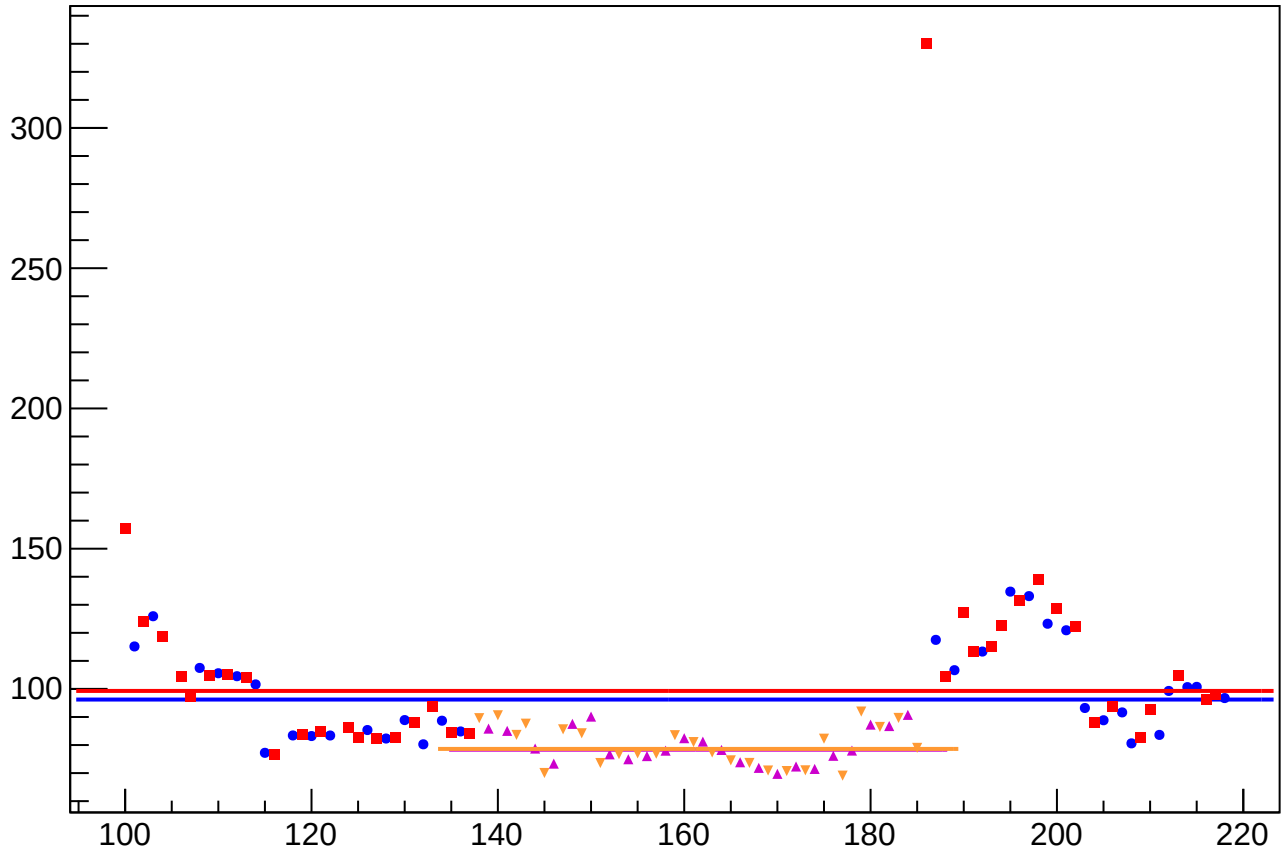
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 57.816+/-15.581 χ^2/NDF: 76.0/67

In: 29.140+/-14.040 χ^2/NDF:56.2/54

Out: 11.780+/-13.993 χ^2/NDF:94.0/60

All: 20.431+/-9.911 χ^2/NDF: 151.0/115



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: 99.292+/-0.016 χ^2/NDF: 1413096.3/35

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

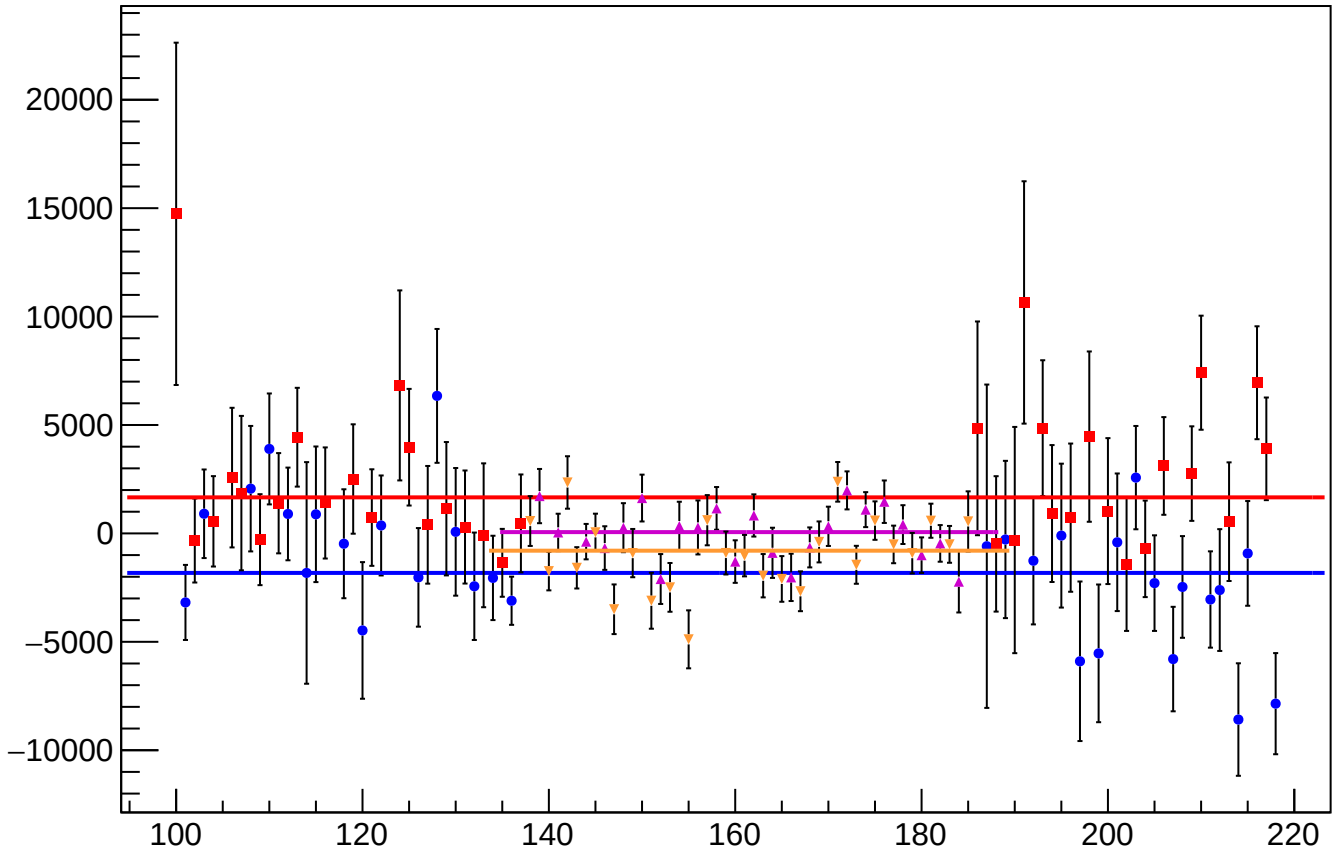
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 97.715+/-0.011 χ^2/NDF: 2366746.8/67

In: 85.785+/-0.010 χ^2/NDF:1932042.8/54

Out: 86.738+/-0.010 χ^2/NDF:2761528.6/60

All: 86.263+/-0.007 χ^2/NDF: 4698198.8/115



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: 1662.203+/-444.854 χ^2/NDF: 31.9/35

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

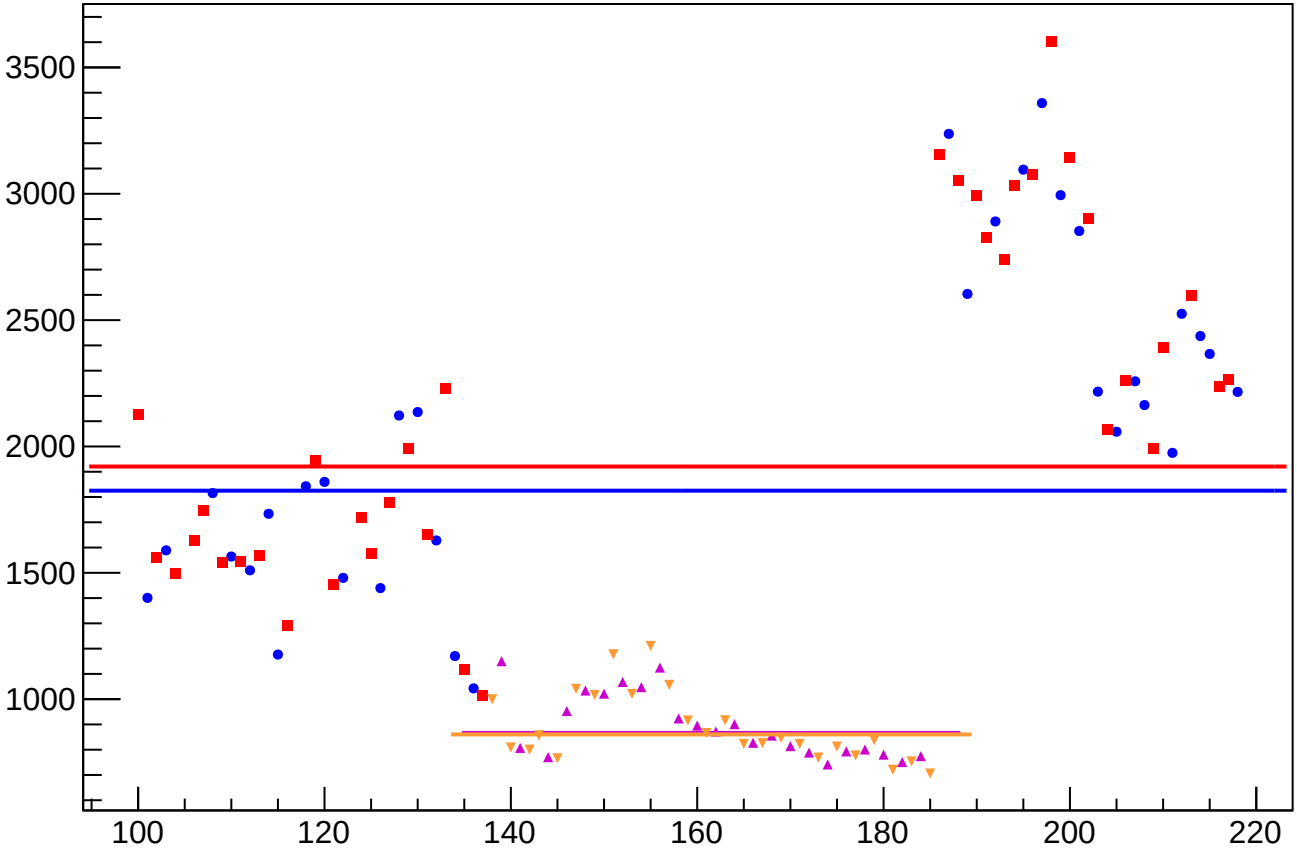
Right: -145.110+/-308.624 χ^2/NDF: 109.5/67

In: -289.369+/-184.515 χ^2/NDF:92.0/54

Out: -390.771+/-180.803 χ^2/NDF:116.8/60

All: -341.100+/-129.139 χ^2/NDF: 209.0/115

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1920.661+/-0.315 χ^2/NDF: 3771153.0/35

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

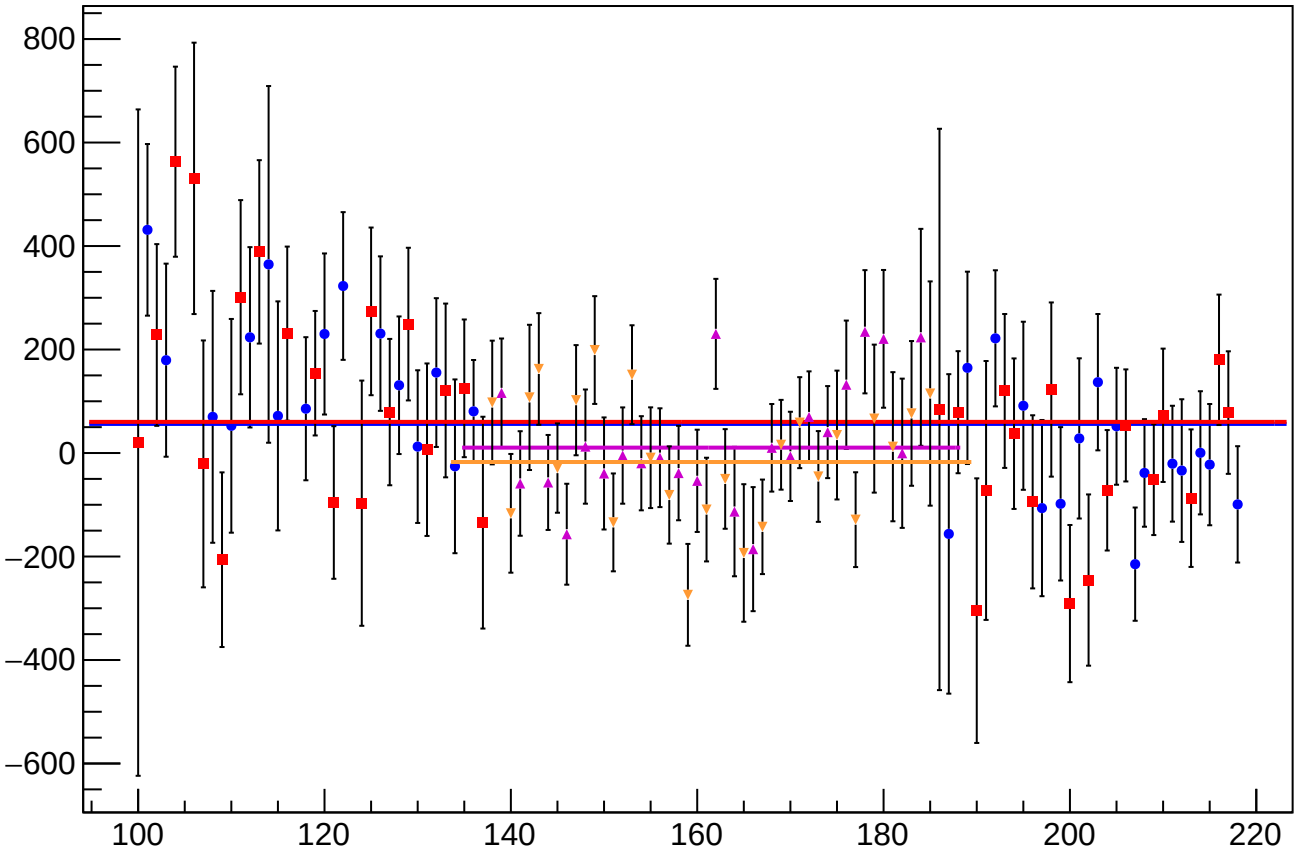
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1871.079+/-0.218 χ^2/NDF: 7624105.7/67

In: 1044.099+/-0.130 χ^2/NDF:12572955.4/54

Out: 1035.618+/-0.128 χ^2/NDF:13953170.5/60

All: 1039.772+/-0.091 χ^2/NDF: 26528281.3/1



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: 60.211+/-25.877 χ^2/NDF: 44.1/35

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

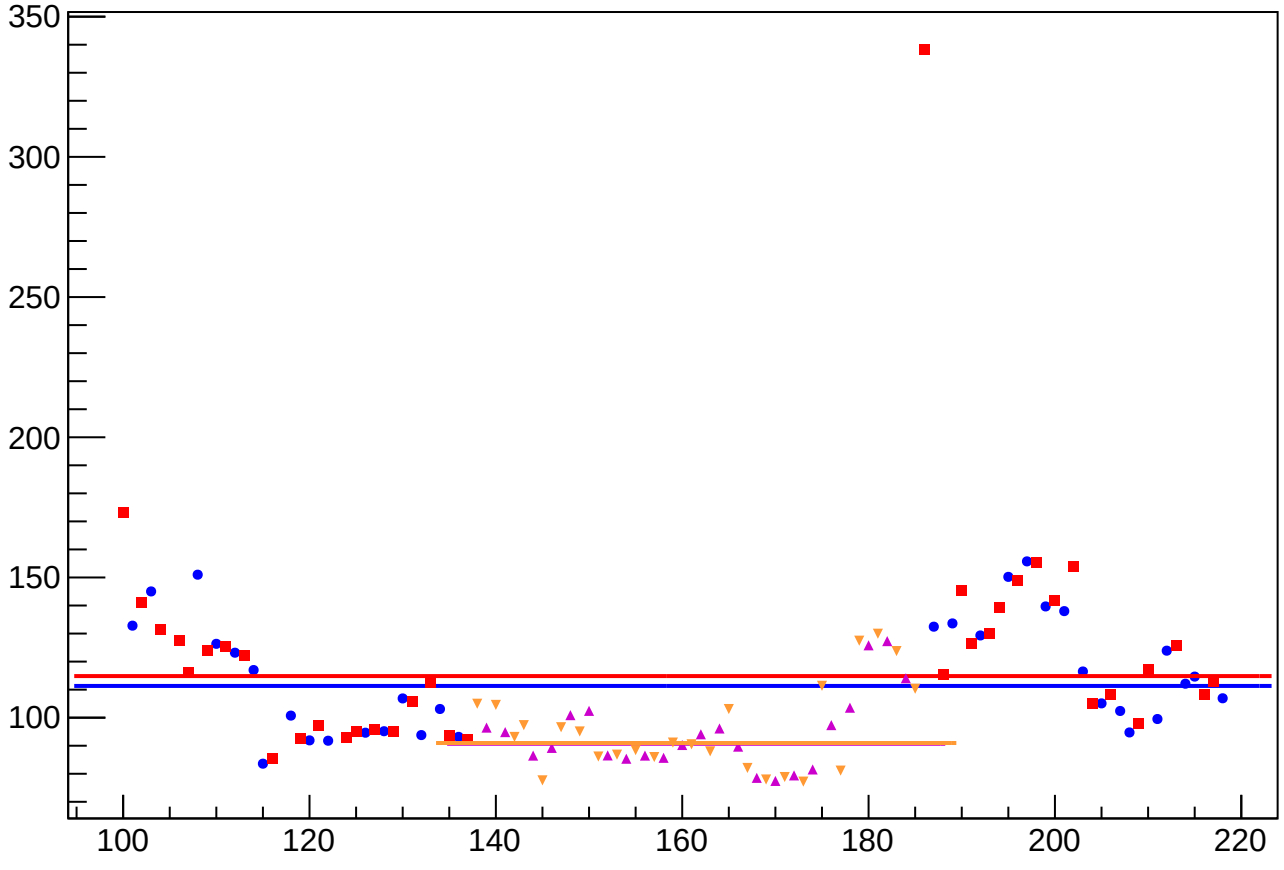
Right: 58.172+/-18.078 χ^2/NDF: 74.0/67

In: 29.658+/-16.375 χ^2/NDF:54.4/54

Out: 13.420+/-16.300 χ^2/NDF:80.7/60

All: 21.502+/-11.552 χ^2/NDF: 135.7/115

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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: 114.836+/-0.018 χ^2/NDF: 1369597.5/35

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

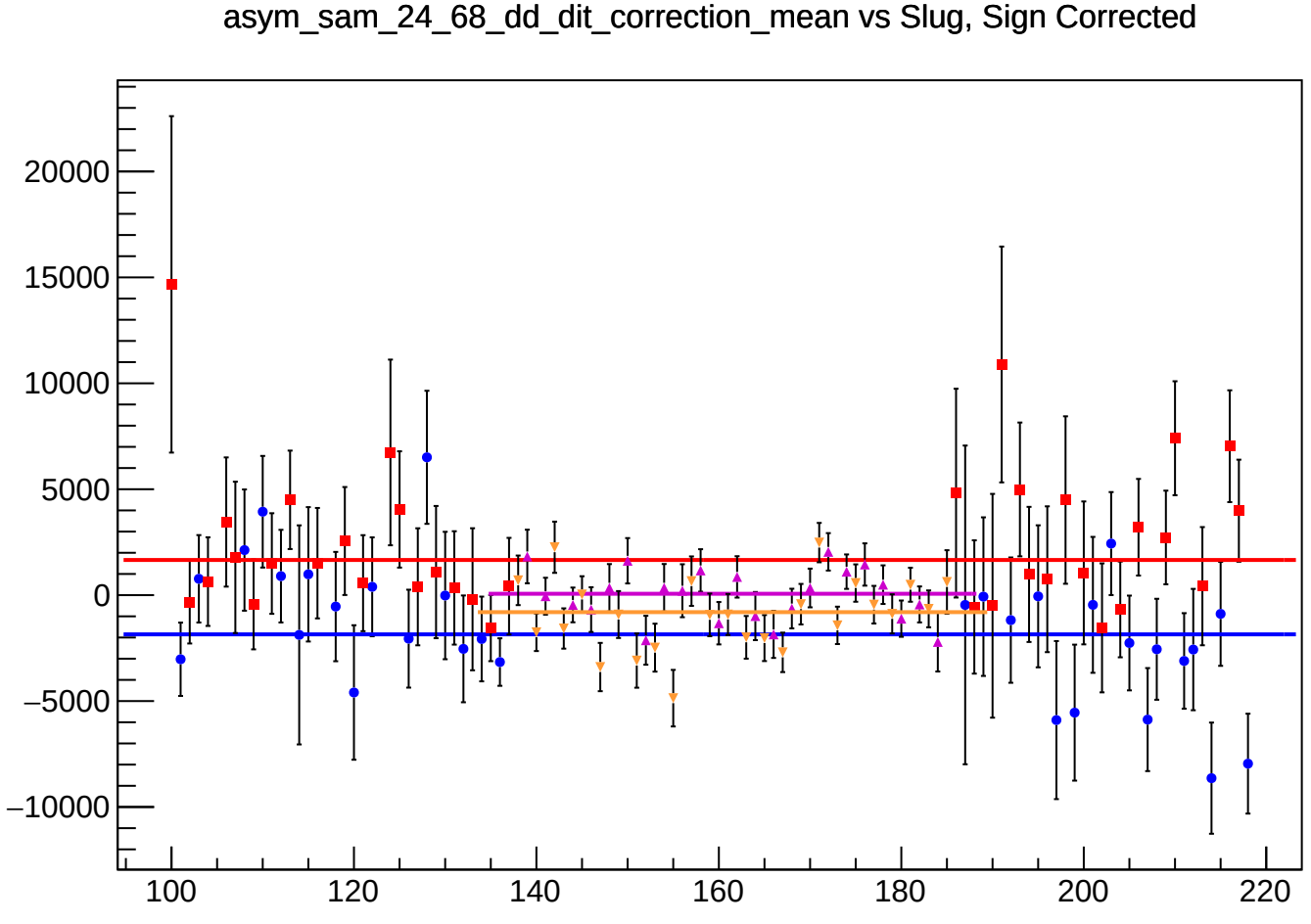
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

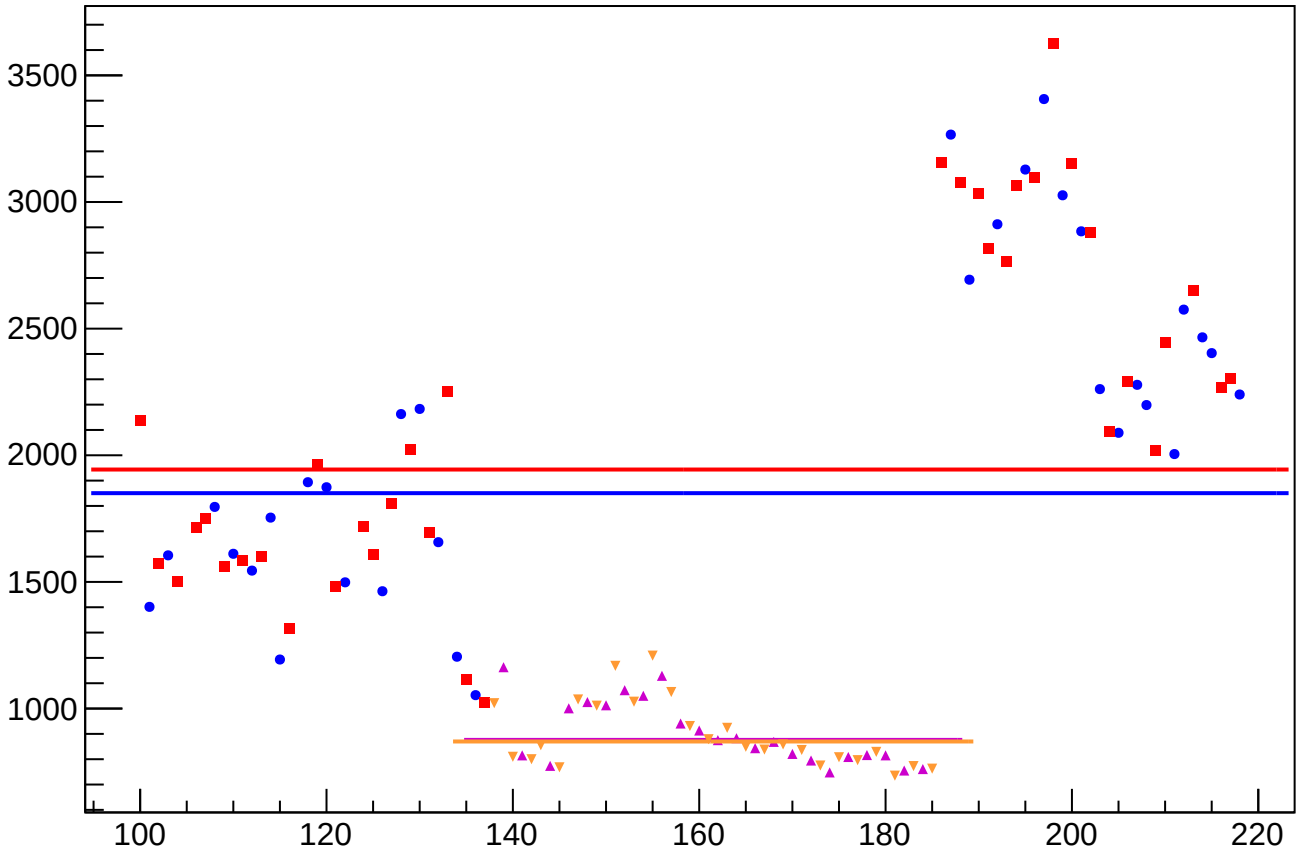
Right: 113.036+/-0.013 χ^2/NDF: 2406546.7/67

In: 99.356+/-0.012 χ^2/NDF:2337337.9/54

Out: 100.438+/-0.012 χ^2/NDF:3180632.4/60

All: 99.899+/-0.008 χ^2/NDF: 5522349.4/115


asym_sam_24_68_dd_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1850.714+/-434.432 χ²/NDF: 45.2/31
Left Out: -802.532+/-199.851 χ²/NDF:58.3/24
Right Out: 1659.724+/-449.356 χ²/NDF: 32.9/35
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -154.756+/-312.333 χ²/NDF: 109.7/67
In: -288.383+/-186.633 χ²/NDF:91.8/54
Out: -395.921+/-182.605 χ²/NDF:116.3/60
All: -343.325+/-130.522 χ²/NDF: 208.2/115



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: 1943.748+/-0.318 χ^2/NDF: 3755253.1/35

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

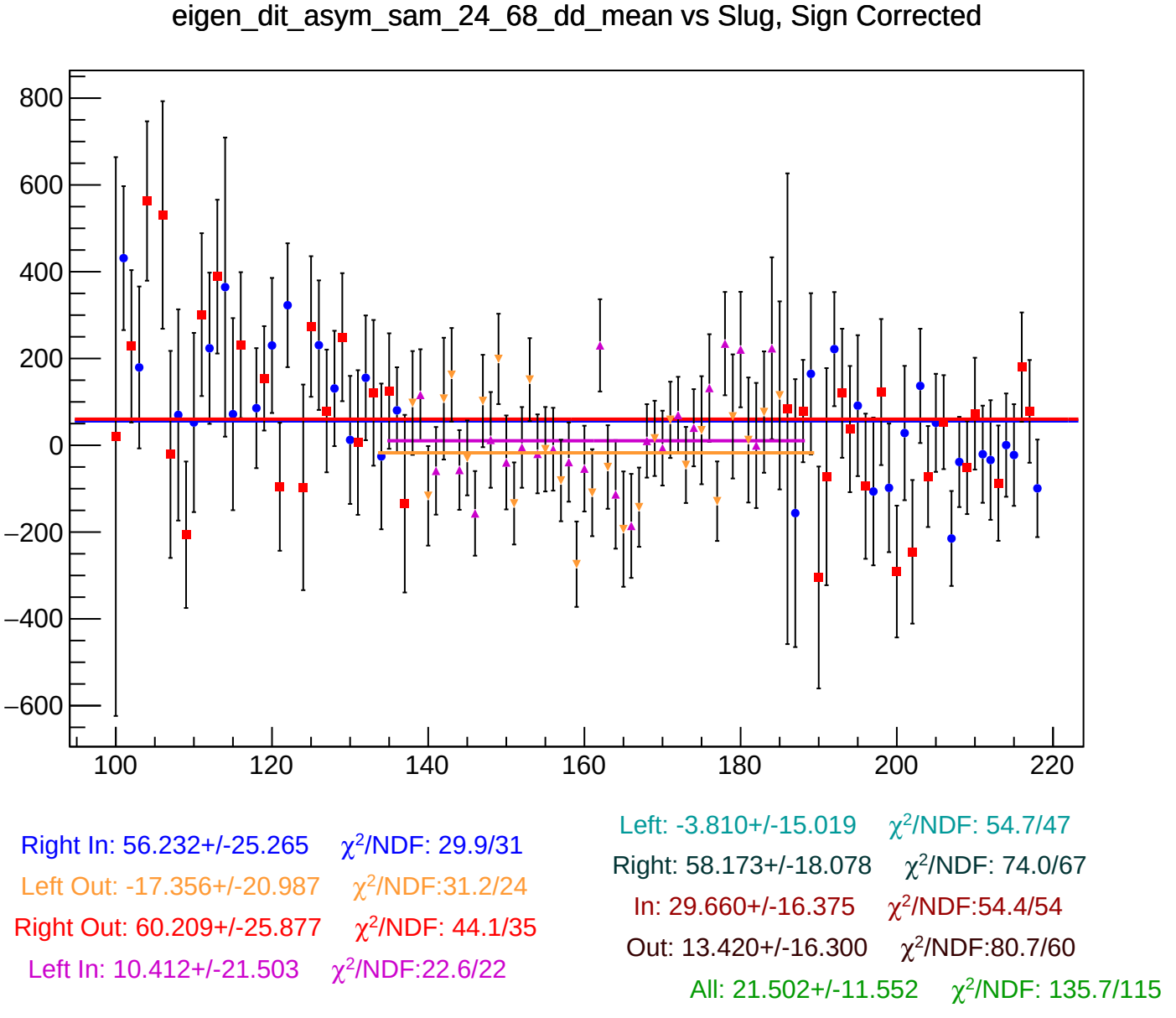
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

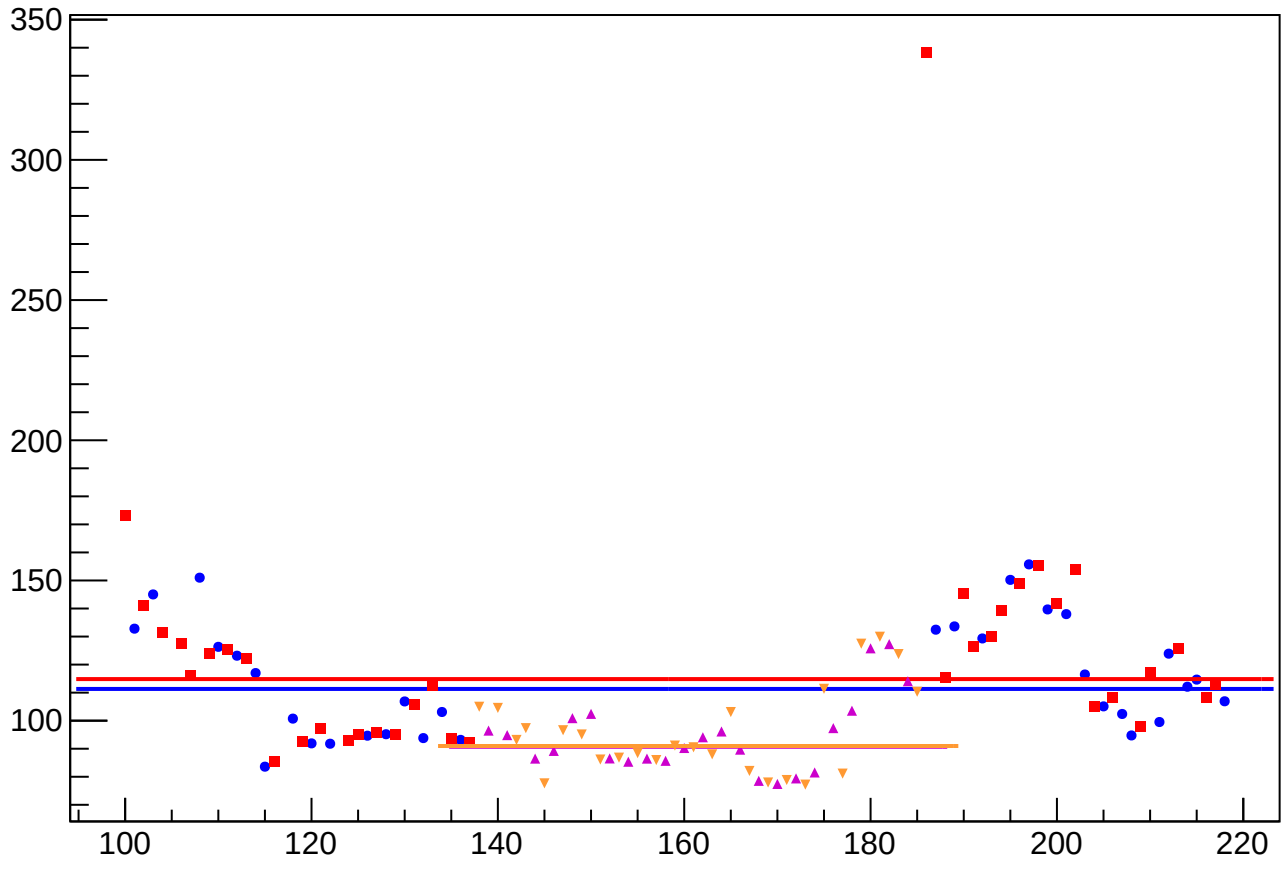
Right: 1895.524+/-0.221 χ^2/NDF: 7616348.1/67

In: 1056.066+/-0.132 χ^2/NDF:12614487.2/54

Out: 1047.323+/-0.129 χ^2/NDF:13936228.5/60

All: 1051.599+/-0.092 χ^2/NDF: 26552957.6/1


eigen_dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
120
140
160
180
200
220
Right In: 56.232+/-25.265 χ²/NDF: 29.9/31
Left Out: -17.356+/-20.987 χ²/NDF:31.2/24
Right Out: 60.209+/-25.877 χ²/NDF: 44.1/35
Left In: 10.412+/-21.503 χ²/NDF:22.6/22
Left: -3.810+/-15.019 χ²/NDF: 54.7/47
Right: 58.173+/-18.078 χ²/NDF: 74.0/67
In: 29.660+/-16.375 χ²/NDF:54.4/54
Out: 13.420+/-16.300 χ²/NDF:80.7/60
All: 21.502+/-11.552 χ²/NDF: 135.7/115



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: 114.836+/-0.018 χ^2/NDF: 1369615.0/35

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

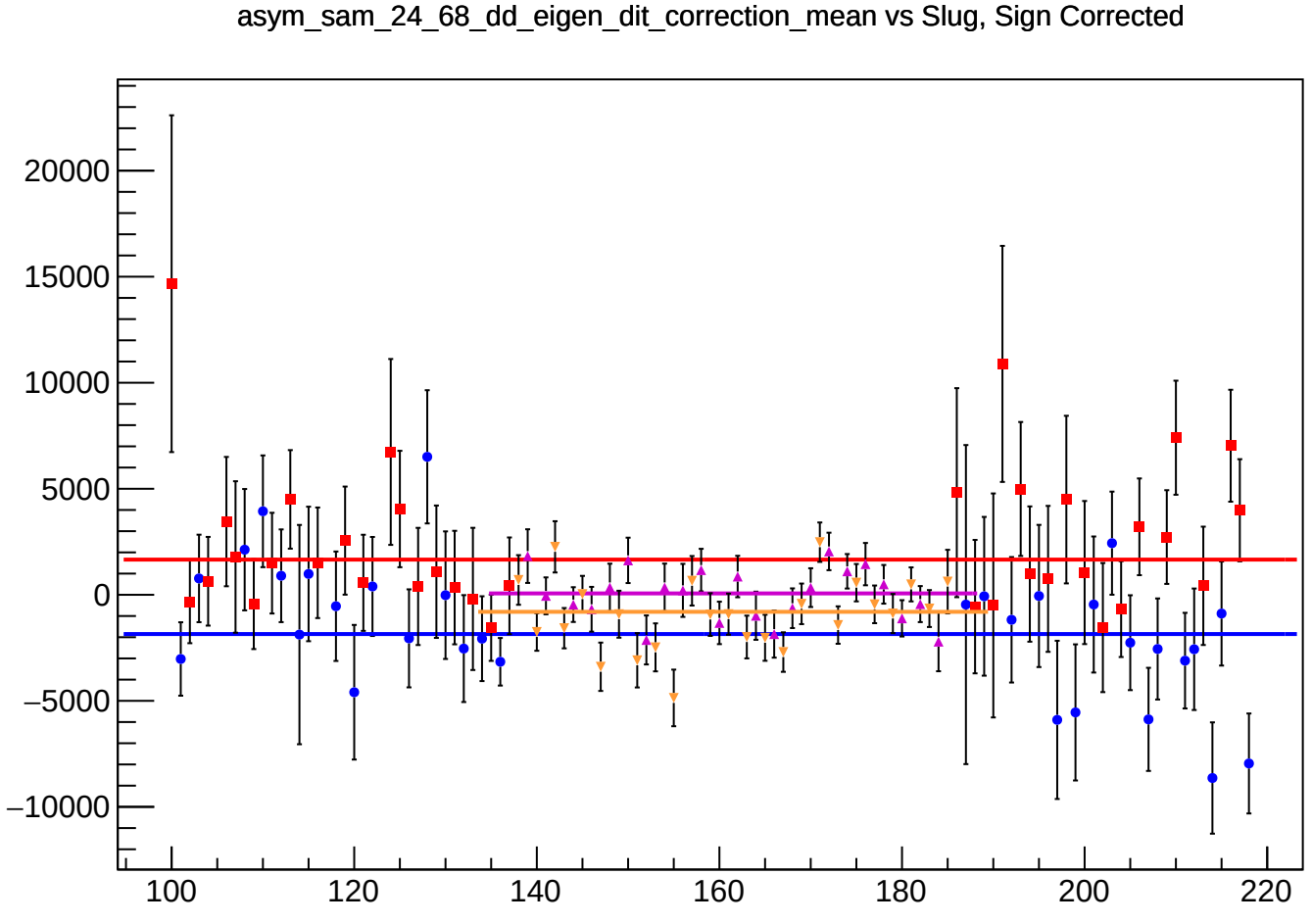
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

Right: 113.036+/-0.013 χ^2/NDF: 2406580.0/67

In: 99.356+/-0.012 χ^2/NDF:2337309.5/54

Out: 100.437+/-0.012 χ^2/NDF:3180618.4/60

All: 99.899+/-0.008 χ^2/NDF: 5522308.3/115



Right In: -1850.710+/-434.432 χ^2/NDF: 45.2/31

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

Right Out: 1659.720+/-449.355 χ^2/NDF: 32.9/35

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

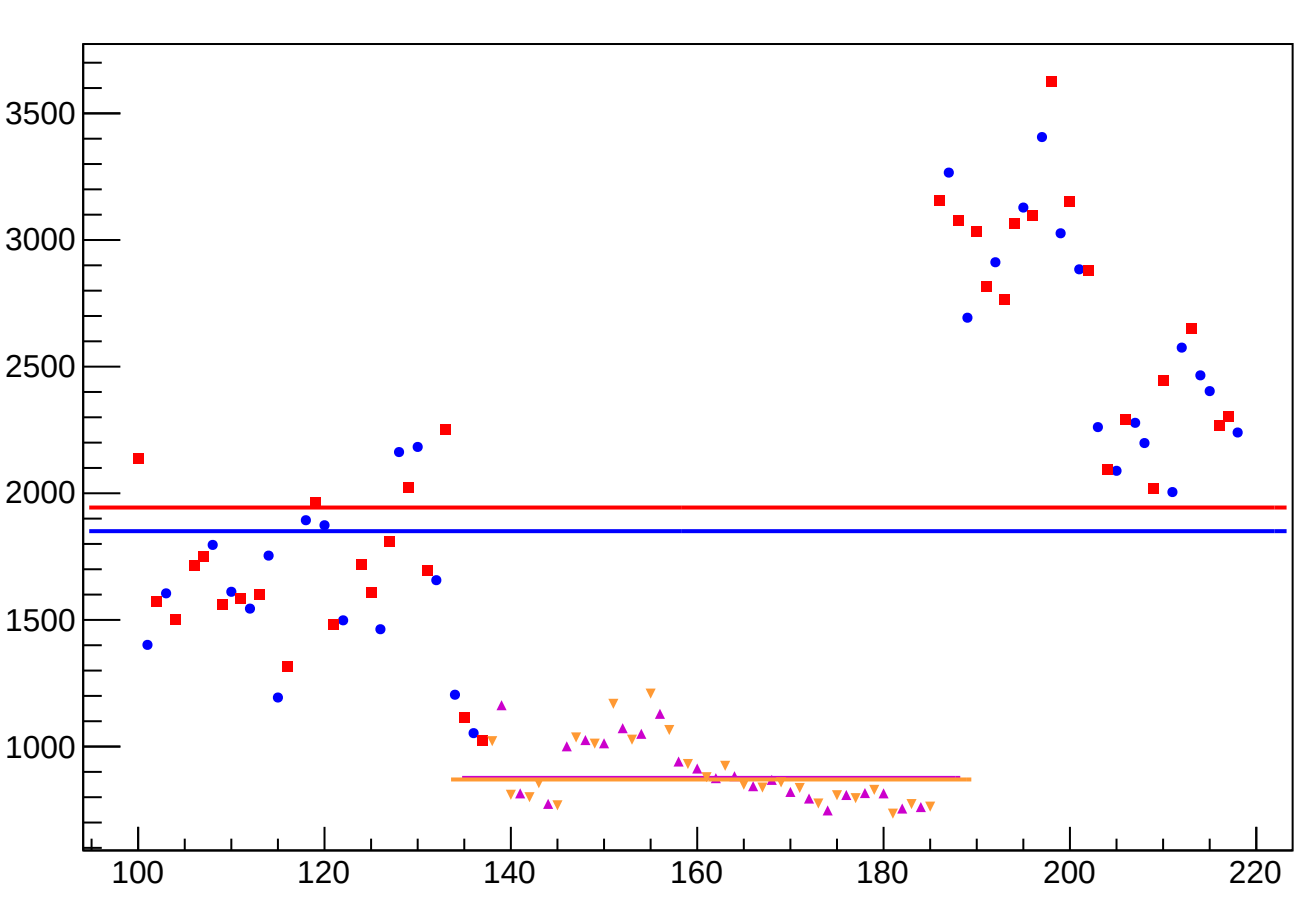
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -154.755+/-312.332 χ^2/NDF: 109.7/67

In: -288.383+/-186.633 χ^2/NDF:91.8/54

Out: -395.921+/-182.605 χ^2/NDF:116.3/60

All: -343.325+/-130.522 χ^2/NDF: 208.2/115



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: 1943.745+/-0.318 χ^2/NDF: 3755267.6/35

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

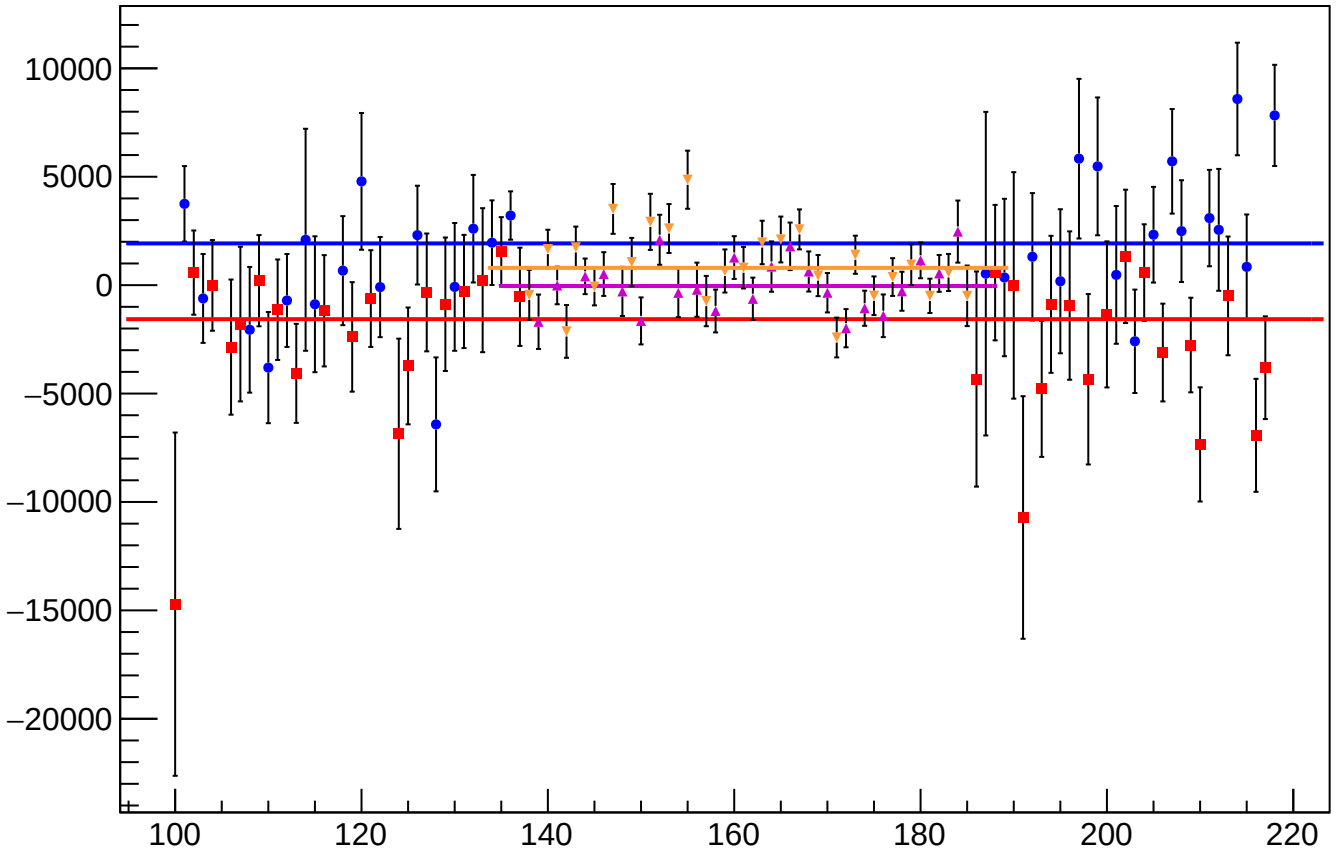
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1895.521+/-0.221 χ^2/NDF: 7616372.1/67

In: 1056.064+/-0.132 χ^2/NDF:12614487.3/54

Out: 1047.323+/-0.129 χ^2/NDF:13936230.2/60

All: 1051.598+/-0.092 χ^2/NDF: 26552959.3/1



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: -1569.623+/-445.321 χ^2/NDF: 31.9/35

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

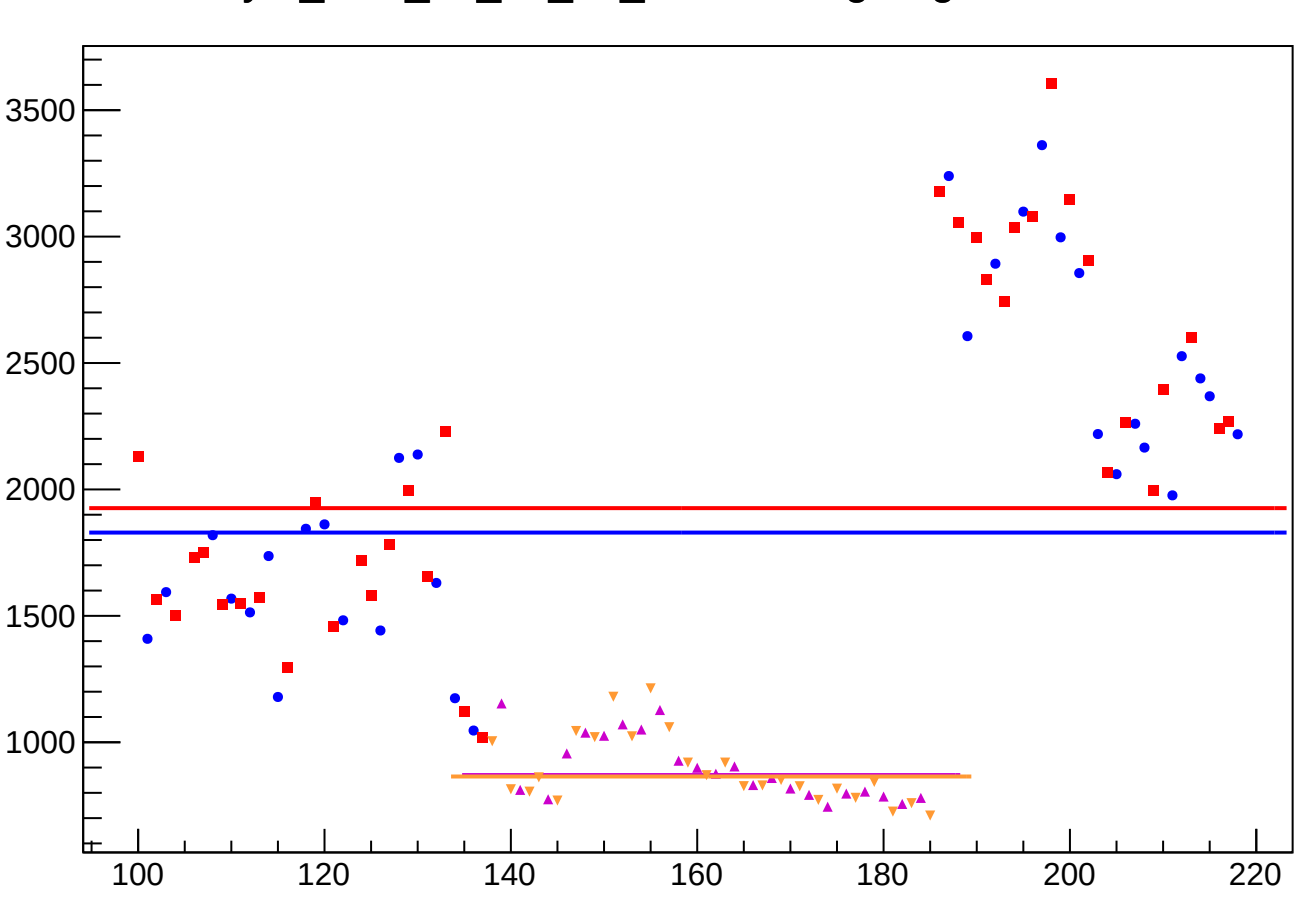
Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

Right: 241.266+/-309.104 χ^2/NDF: 109.4/67

In: 325.950+/-185.255 χ^2/NDF:92.4/54

Out: 403.128+/-181.534 χ^2/NDF:112.6/60

All: 365.322+/-129.659 χ^2/NDF: 205.1/115



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: 1926.033+/-0.315 χ^2/NDF: 3747645.0/35

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

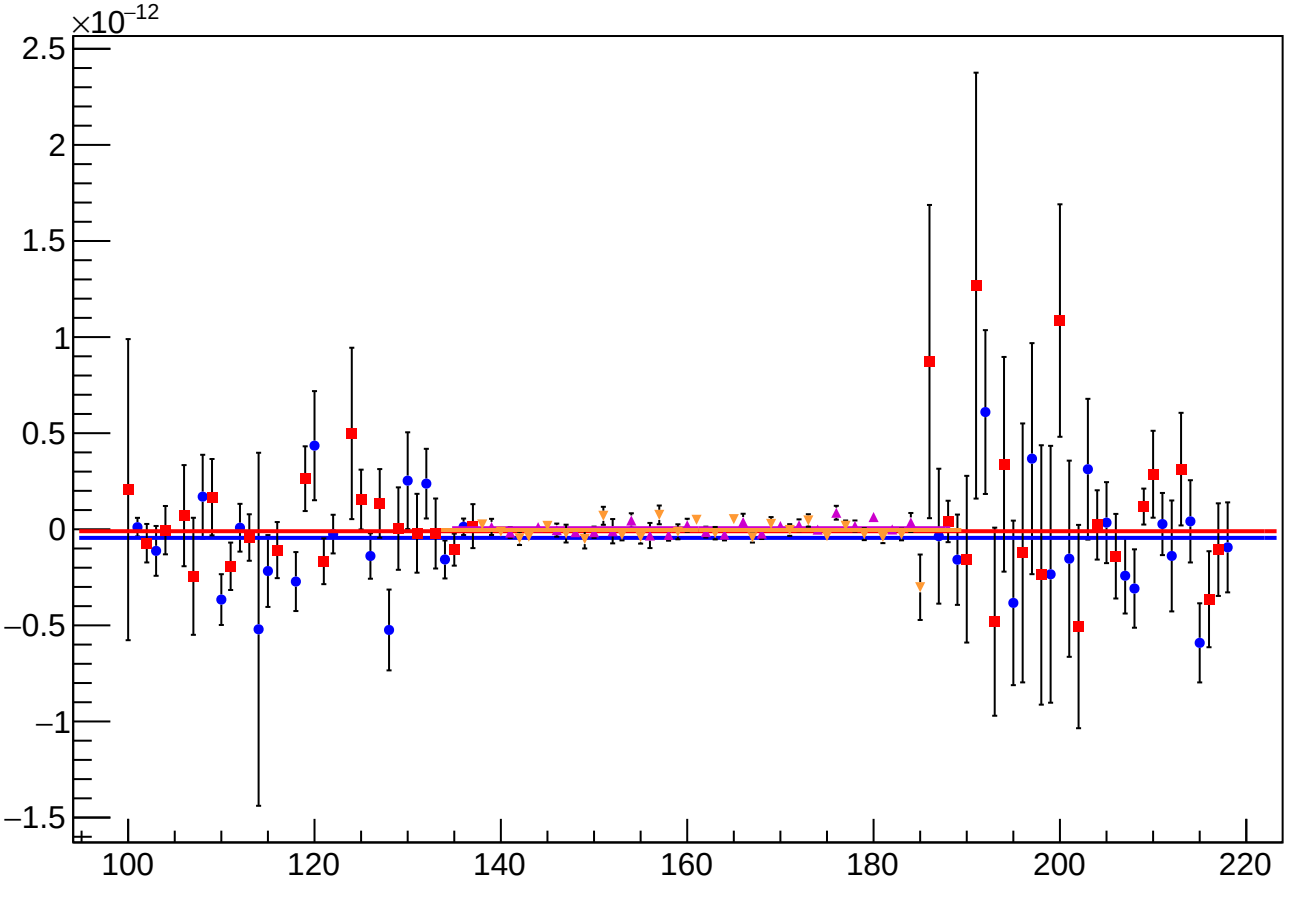
Right: 1875.959+/-0.219 χ^2/NDF: 7577463.5/67

In: 1048.861+/-0.131 χ^2/NDF:12505646.0/54

Out: 1041.016+/-0.128 χ^2/NDF:13910136.4/60

All: 1044.859+/-0.092 χ^2/NDF: 26417612.2/1

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: 29.3/35

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

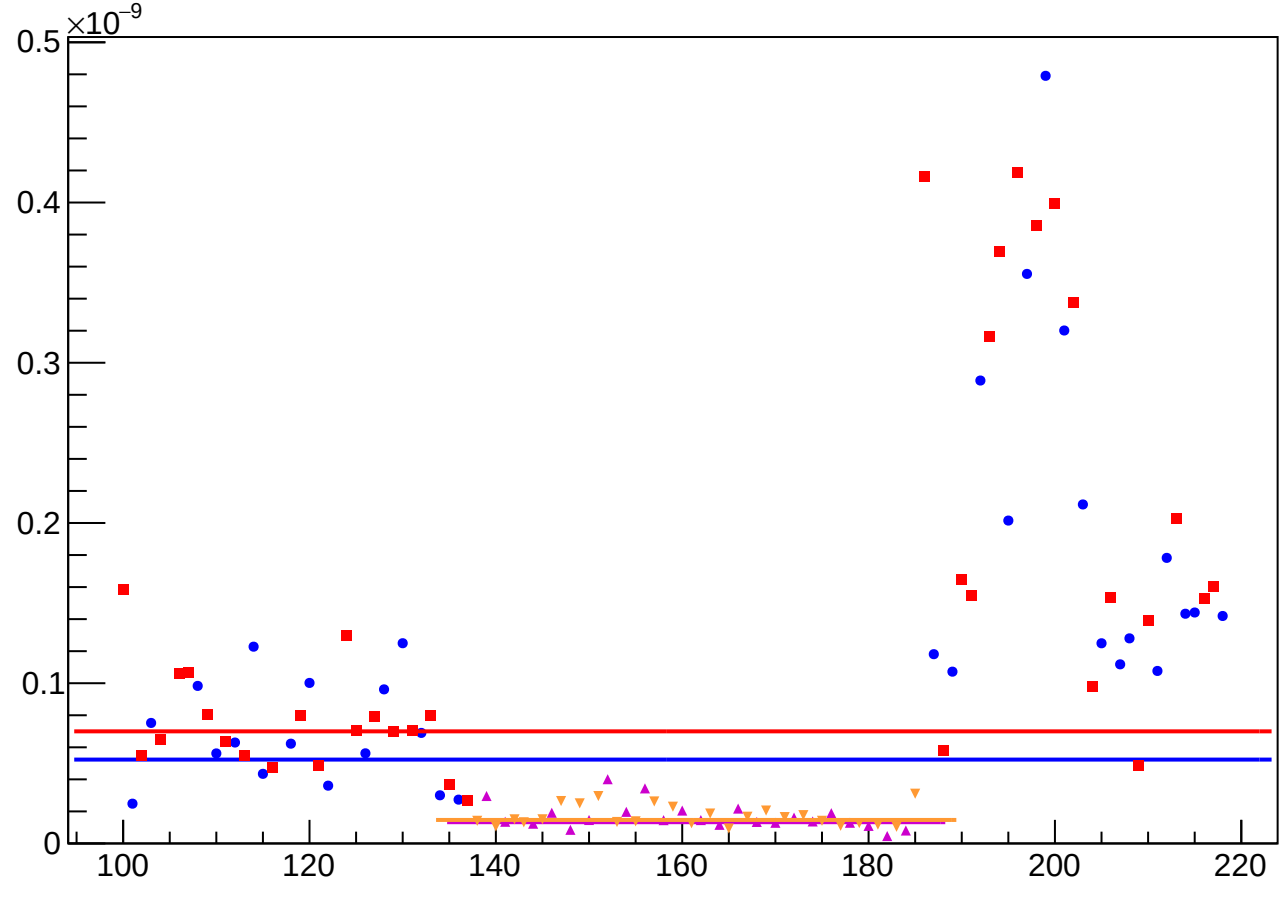
Right: -0.000+/-0.000 χ^2/NDF: 72.9/67

In: 0.000+/-0.000 χ^2/NDF:67.7/54

Out: -0.000+/-0.000 χ^2/NDF:68.1/60

All: -0.000+/-0.000 χ^2/NDF: 136.4/115

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 6148486.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

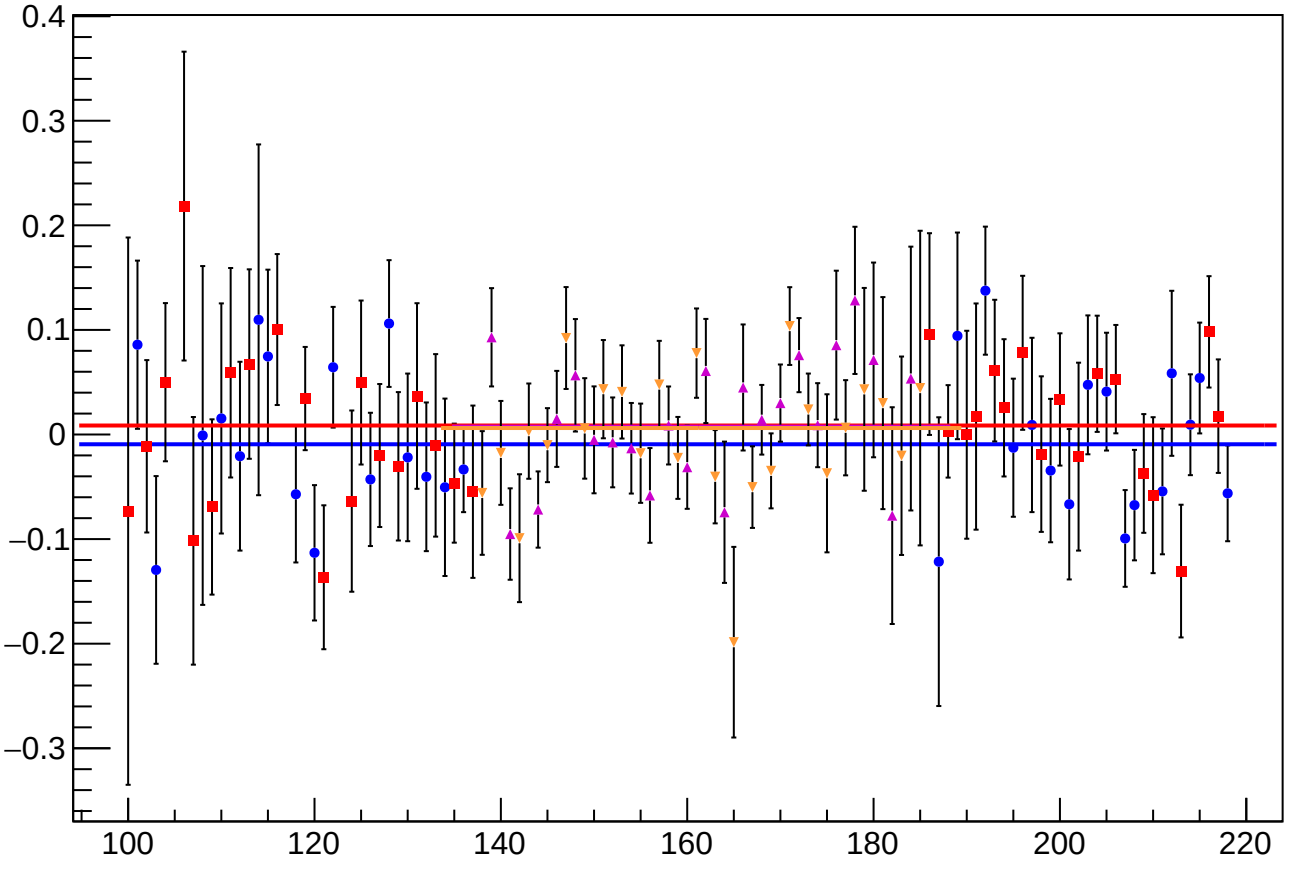
Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

Right: 0.000+/-0.000 χ^2/NDF: 14249864.4/67

In: 0.000+/-0.000 χ^2/NDF:14870757.1/54

Out: 0.000+/-0.000 χ^2/NDF:14357566.2/60

All: 0.000+/-0.000 χ^2/NDF: 29277611.4/115



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+/-0.012 χ^2/NDF: 27.8/35

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

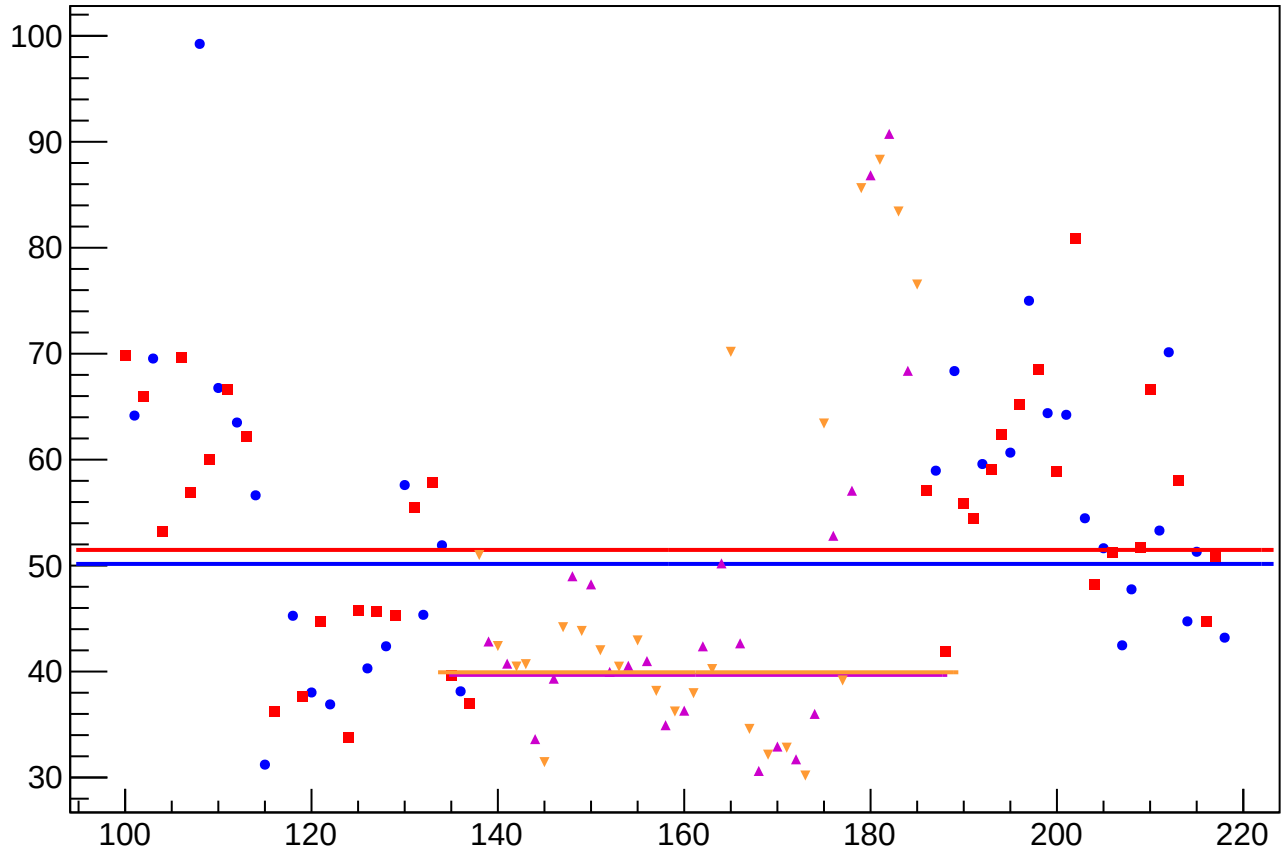
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.000+/-0.008 χ^2/NDF: 62.0/67

In: 0.001+/-0.007 χ^2/NDF:64.7/54

Out: 0.007+/-0.007 χ^2/NDF:58.6/60

All: 0.004+/-0.005 χ^2/NDF: 123.7/115



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: 51.480+/-0.008 χ^2/NDF: 1498460.0/35

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

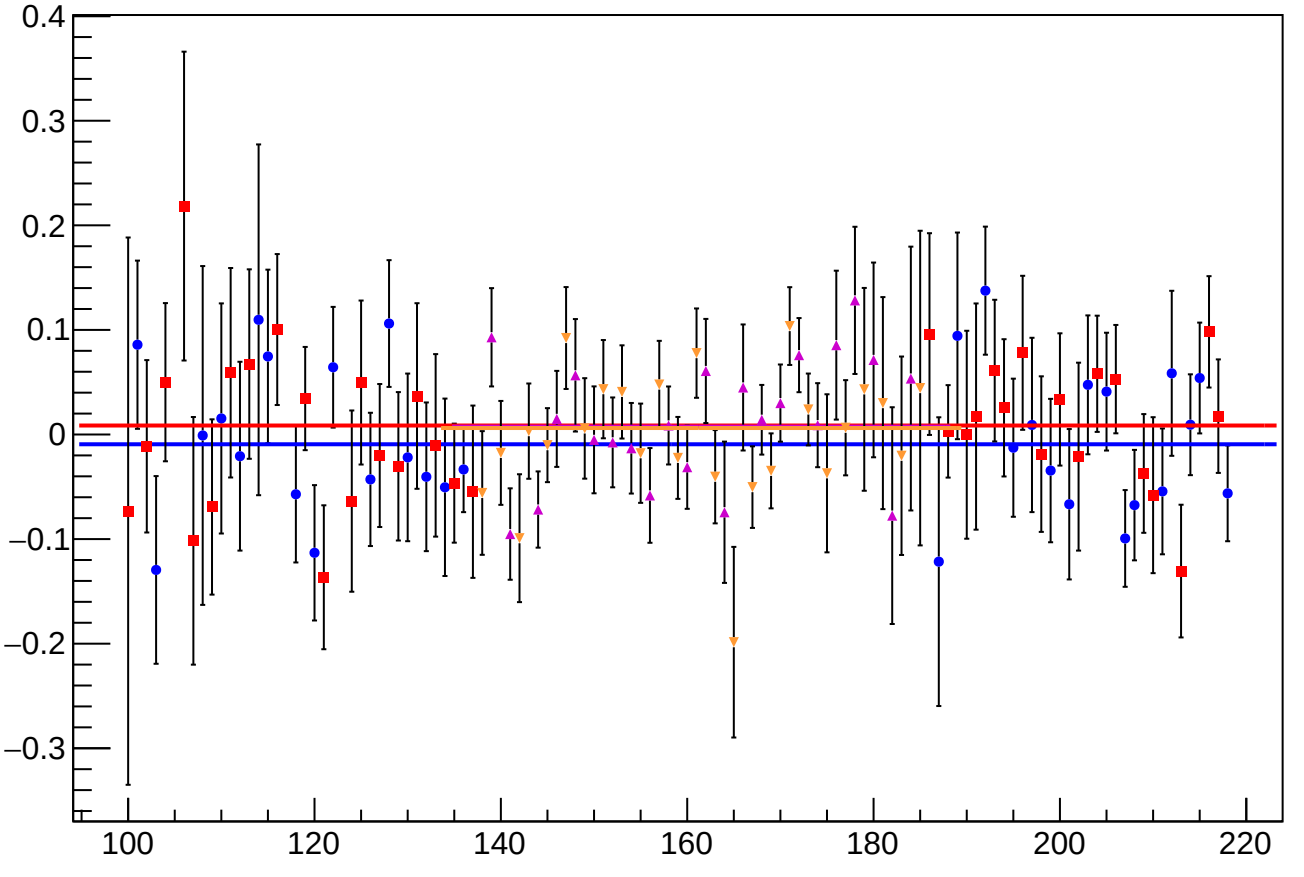
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.811+/-0.006 χ^2/NDF: 3303904.8/67

In: 44.009+/-0.005 χ^2/NDF:4656334.4/54

Out: 44.512+/-0.005 χ^2/NDF:5129283.3/60

All: 44.263+/-0.004 χ^2/NDF: 9790165.4/115



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+/-0.012 χ^2/NDF: 27.8/35

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

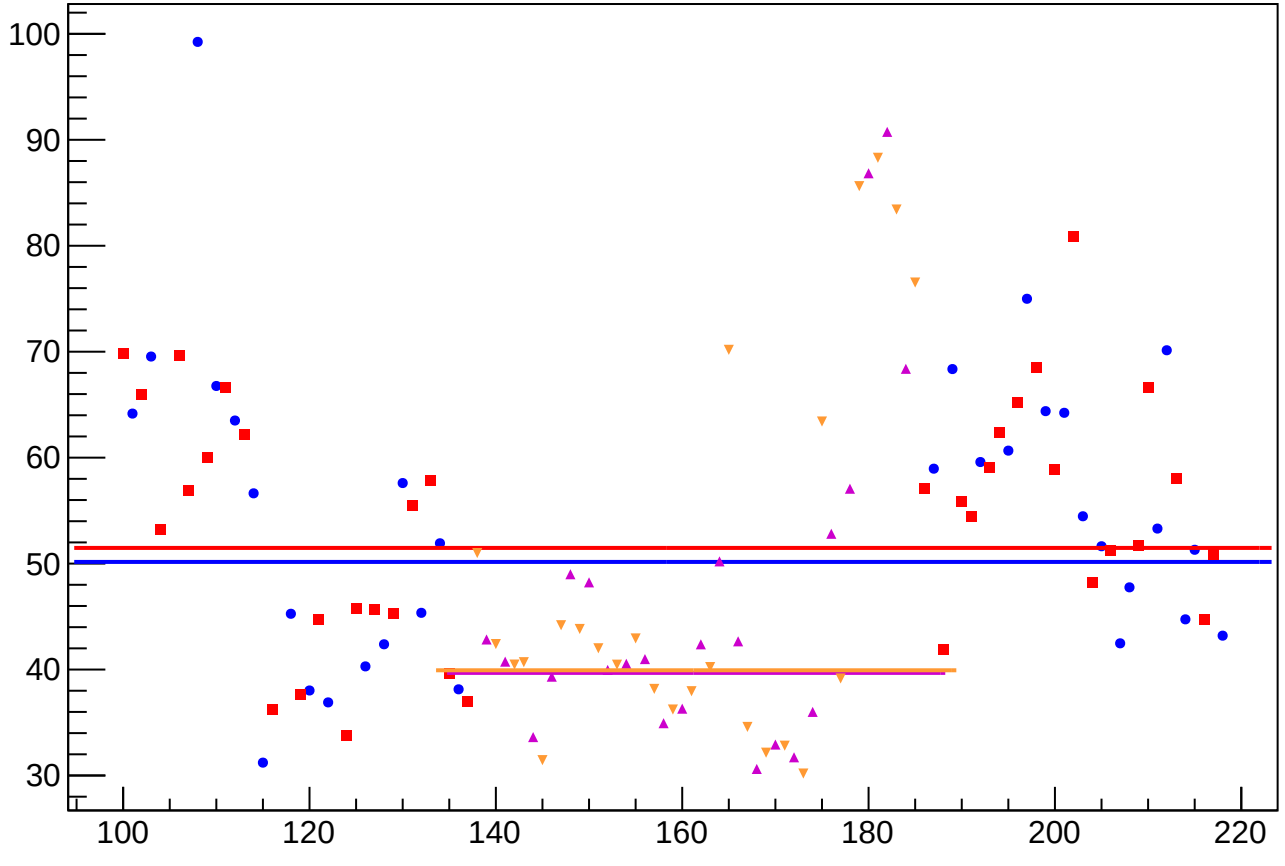
Right: -0.000+/-0.008 χ^2/NDF: 62.0/67

In: 0.001+/-0.007 χ^2/NDF:64.7/54

Out: 0.007+/-0.007 χ^2/NDF:58.6/60

All: 0.004+/-0.005 χ^2/NDF: 123.7/115

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: 51.480+/-0.008 χ^2/NDF: 1498460.0/35

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

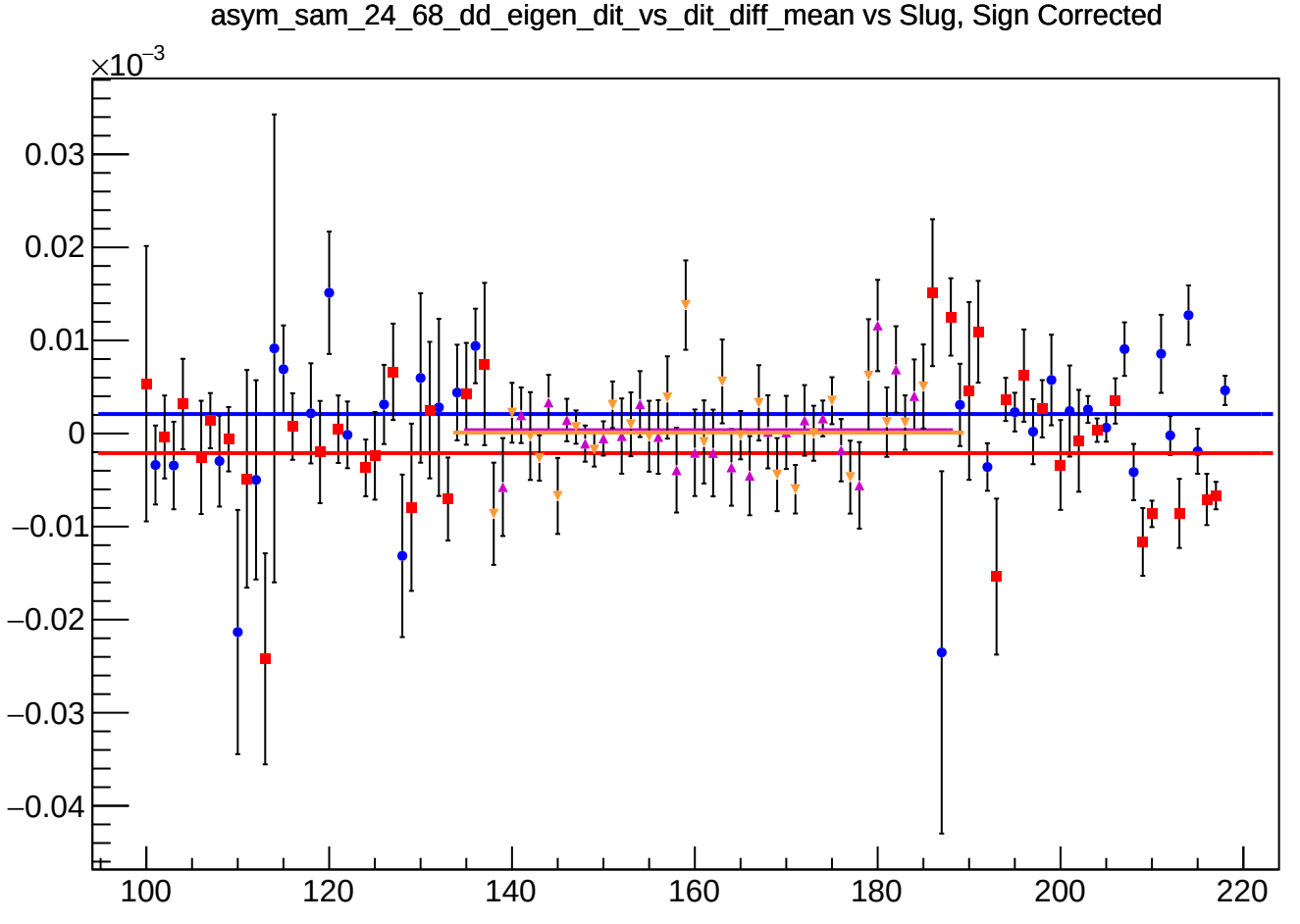
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.811+/-0.006 χ^2/NDF: 3303904.8/67

In: 44.009+/-0.005 χ^2/NDF:4656334.4/54

Out: 44.512+/-0.005 χ^2/NDF:5129283.3/60

All: 44.263+/-0.004 χ^2/NDF: 9790165.4/115



Right In: 0.000+/-0.000 χ^2/NDF: 58.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 106.3/35

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

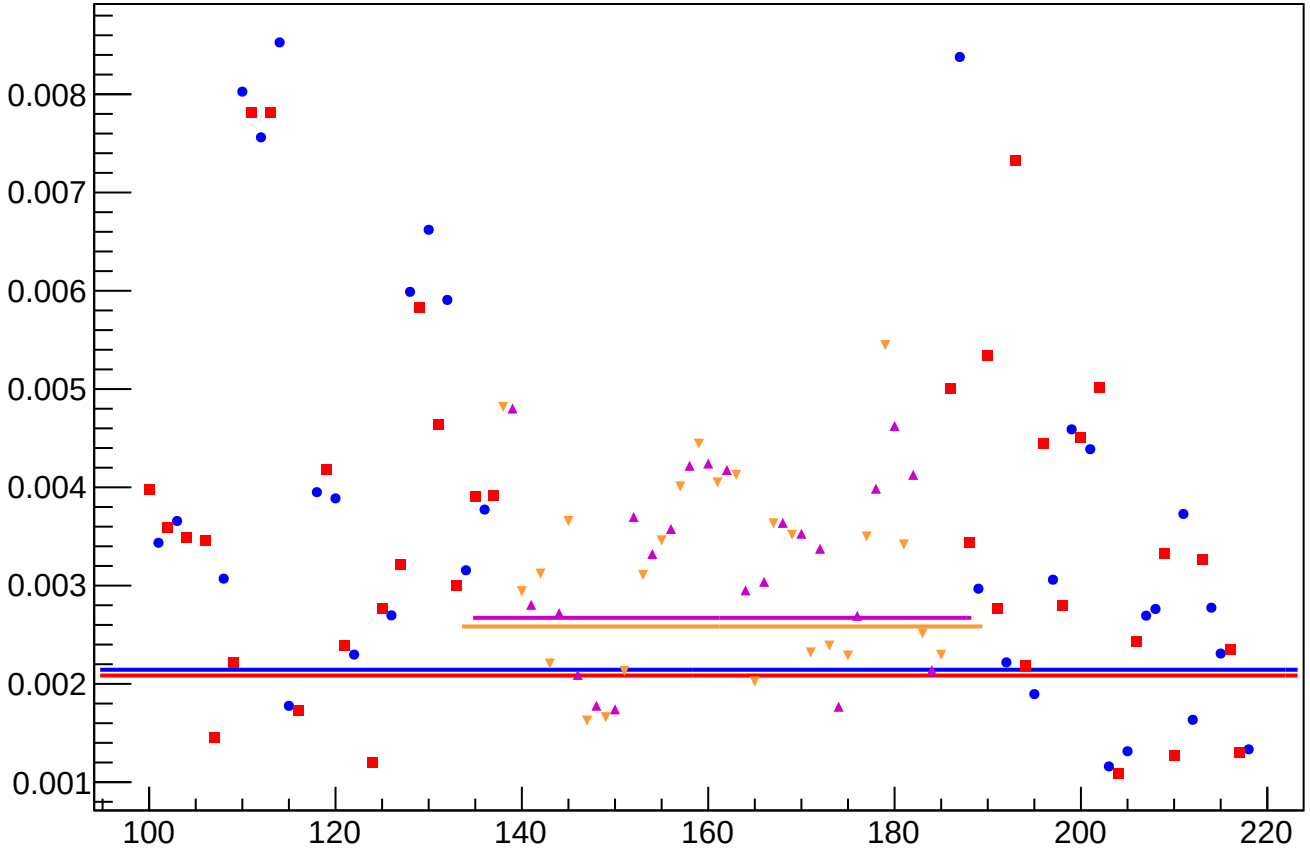
Right: -0.000+/-0.000 χ^2/NDF: 194.5/67

In: 0.000+/-0.000 χ^2/NDF:81.5/54

Out: -0.000+/-0.000 χ^2/NDF:146.6/60

All: 0.000+/-0.000 χ^2/NDF: 246.7/115

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: 9398778.7/35

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

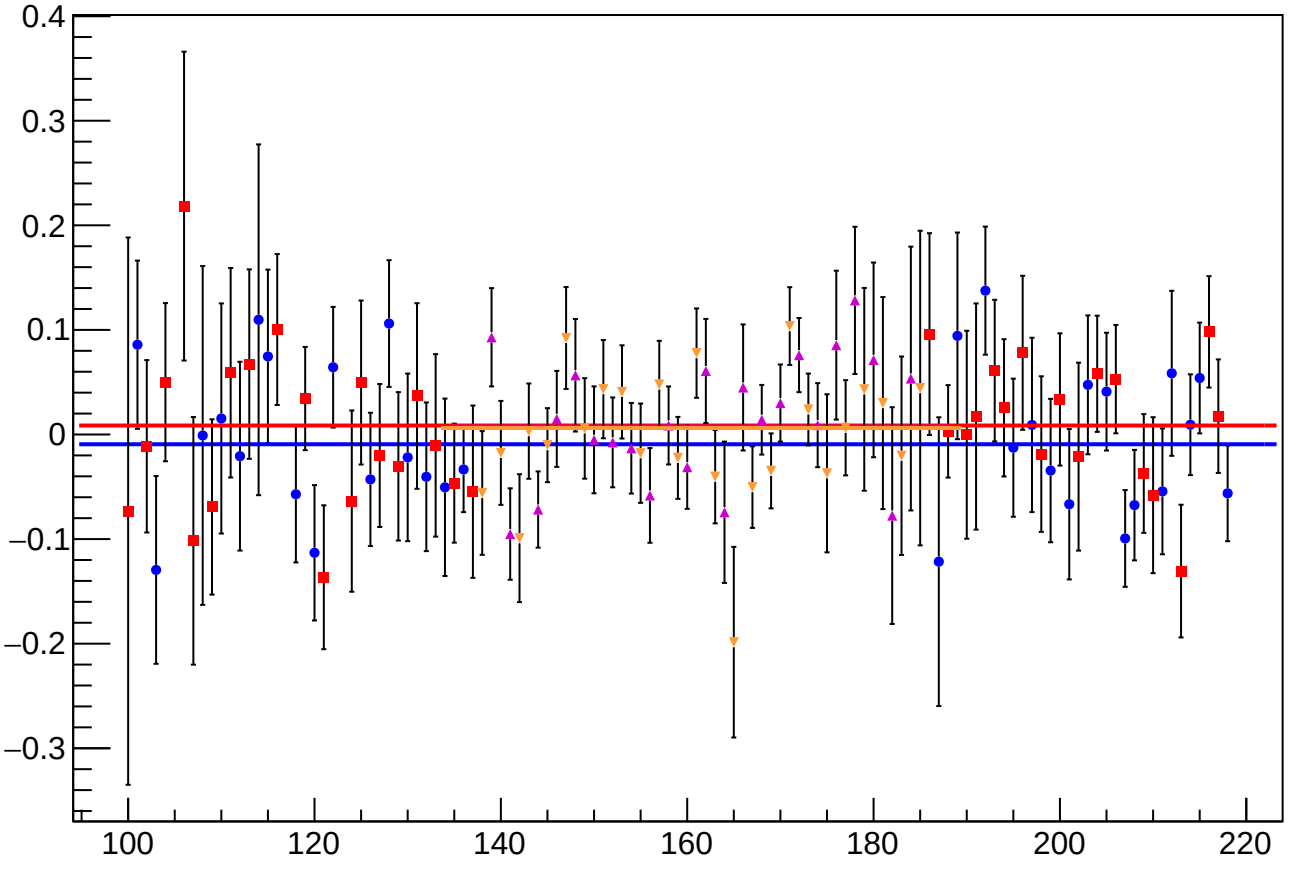
Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

Right: 0.002+/-0.000 χ^2/NDF: 17013898.6/67

In: 0.002+/-0.000 χ^2/NDF:12167337.2/54

Out: 0.002+/-0.000 χ^2/NDF:14019230.0/60

All: 0.002+/-0.000 χ^2/NDF: 26207544.3/115



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+/-0.012 χ^2/NDF: 27.8/35

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

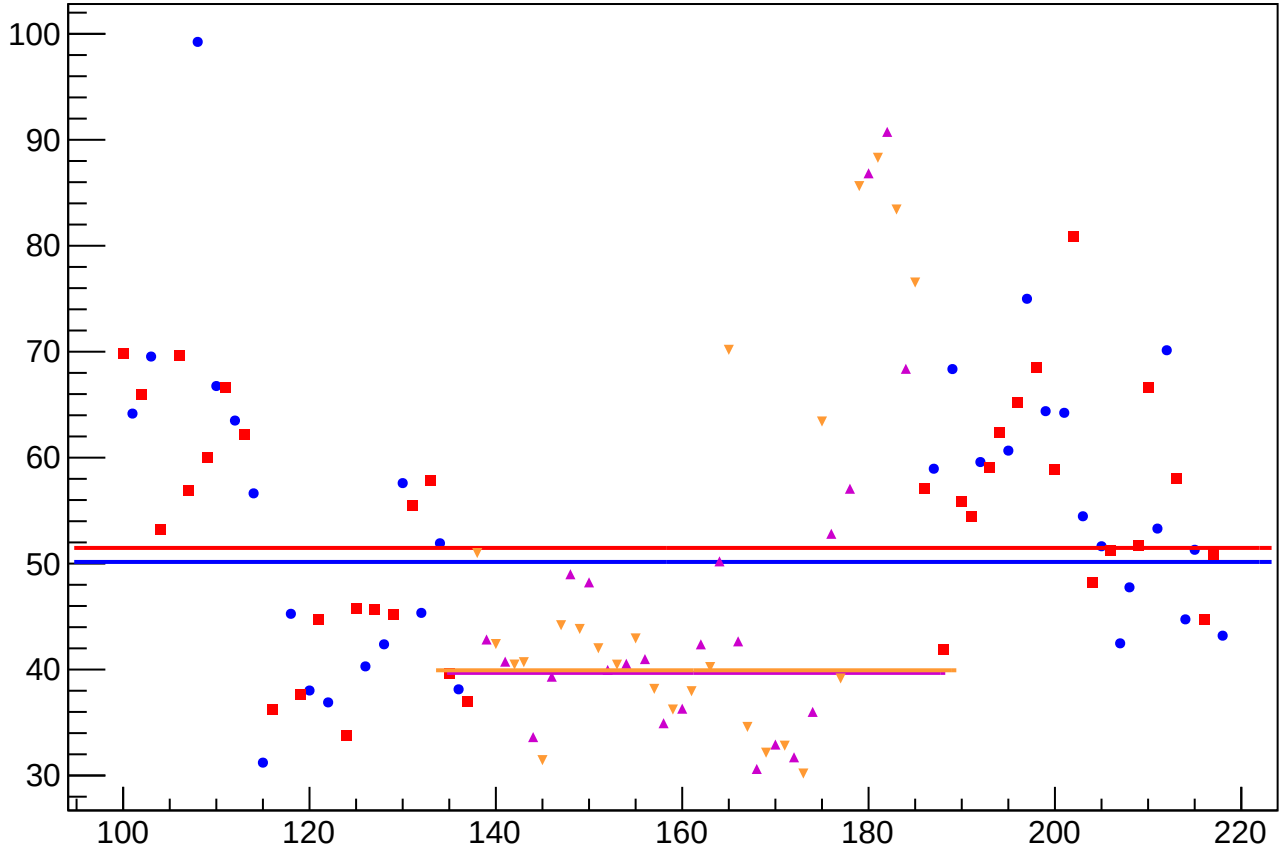
Right: -0.000+/-0.008 χ^2/NDF: 62.0/67

In: 0.001+/-0.007 χ^2/NDF:64.7/54

Out: 0.007+/-0.007 χ^2/NDF:58.6/60

All: 0.004+/-0.005 χ^2/NDF: 123.7/115

asym_sam_24_68_dd_eigen_dit_vs_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: 51.479+/-0.008 χ^2/NDF: 1498489.2/35

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

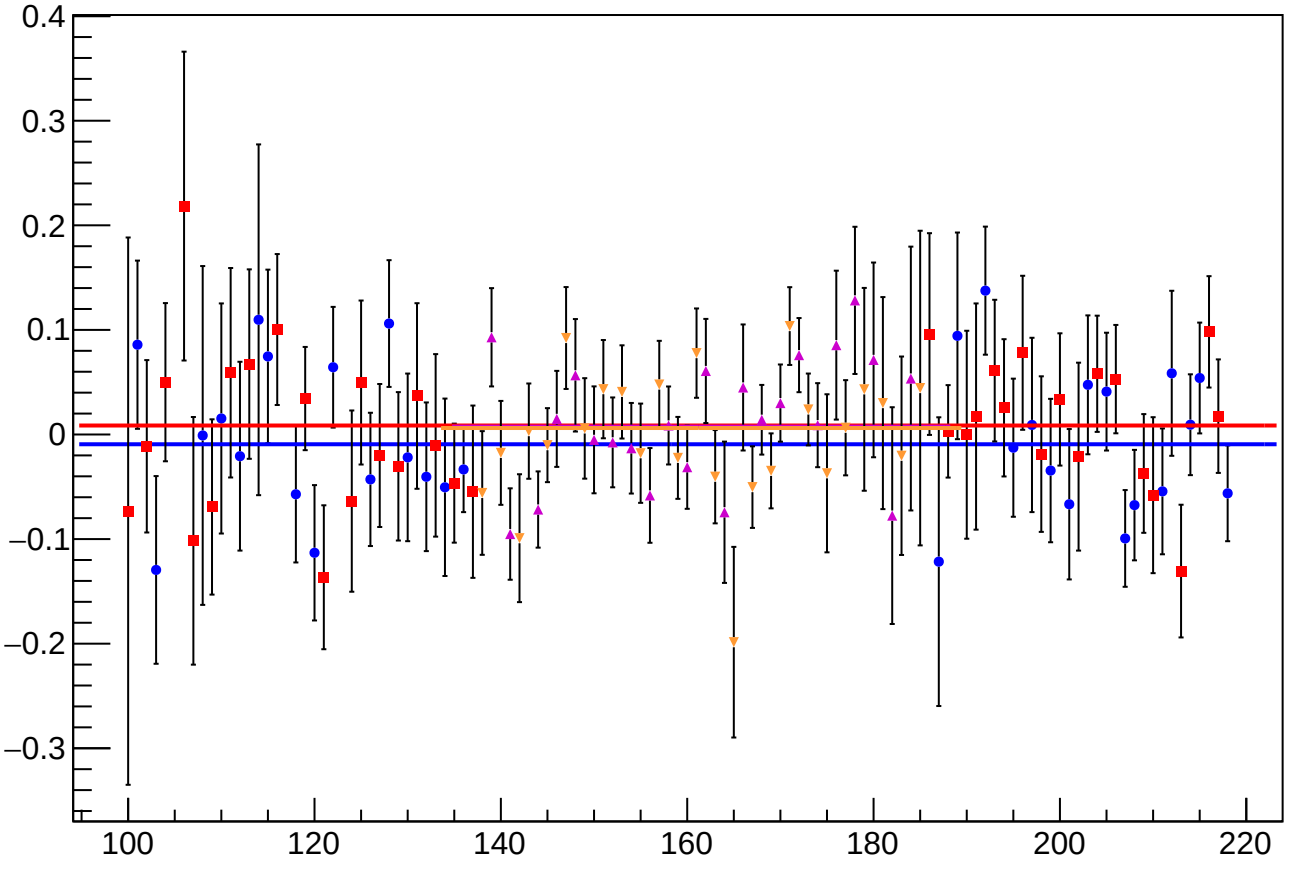
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 50.810+/-0.006 χ^2/NDF: 3304021.0/67

In: 44.009+/-0.005 χ^2/NDF:4656306.9/54

Out: 44.512+/-0.005 χ^2/NDF:5129229.4/60

All: 44.262+/-0.004 χ^2/NDF: 9790090.5/115



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+/-0.012 χ^2/NDF: 27.8/35

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

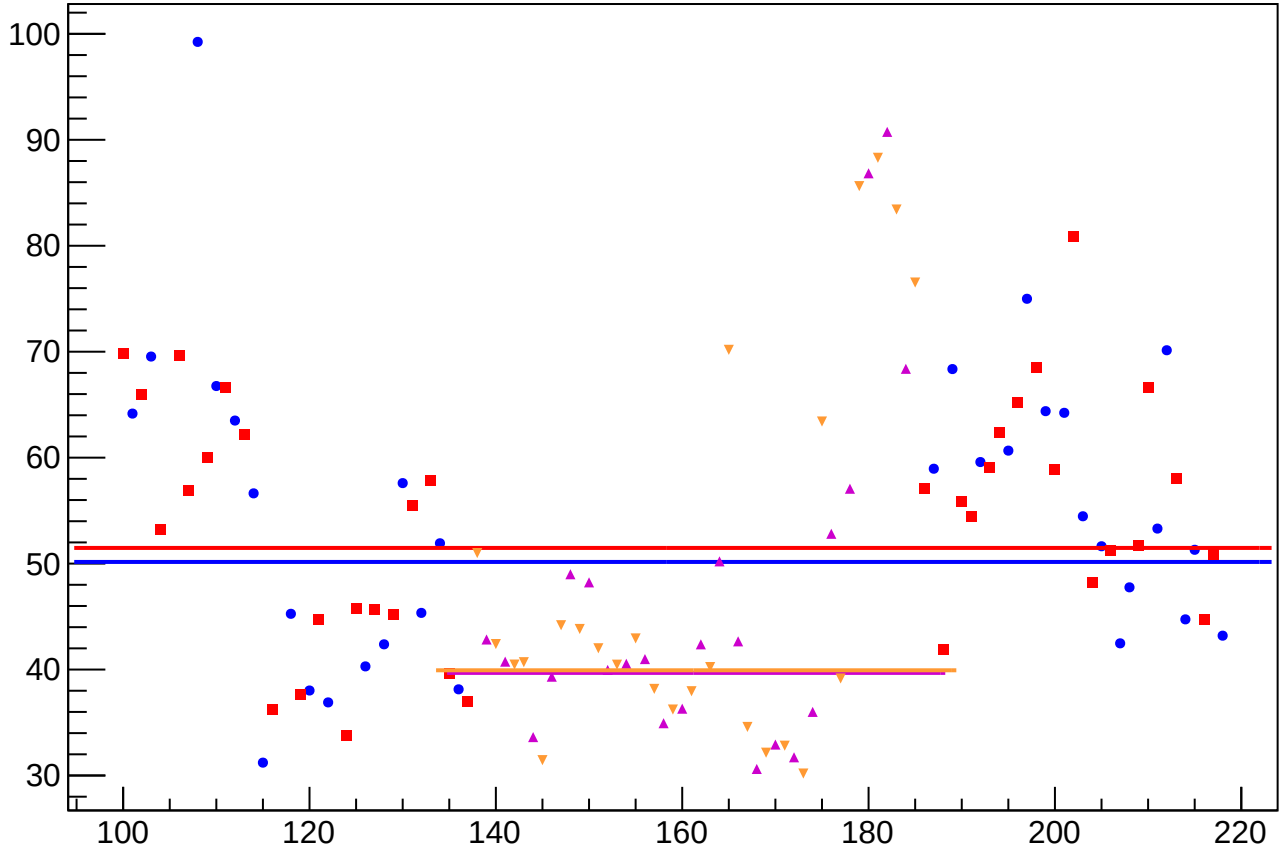
Right: -0.000+/-0.008 χ^2/NDF: 62.0/67

In: 0.001+/-0.007 χ^2/NDF:64.7/54

Out: 0.007+/-0.007 χ^2/NDF:58.6/60

All: 0.004+/-0.005 χ^2/NDF: 123.7/115

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: 51.479+/-0.008 χ^2/NDF: 1498489.2/35

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

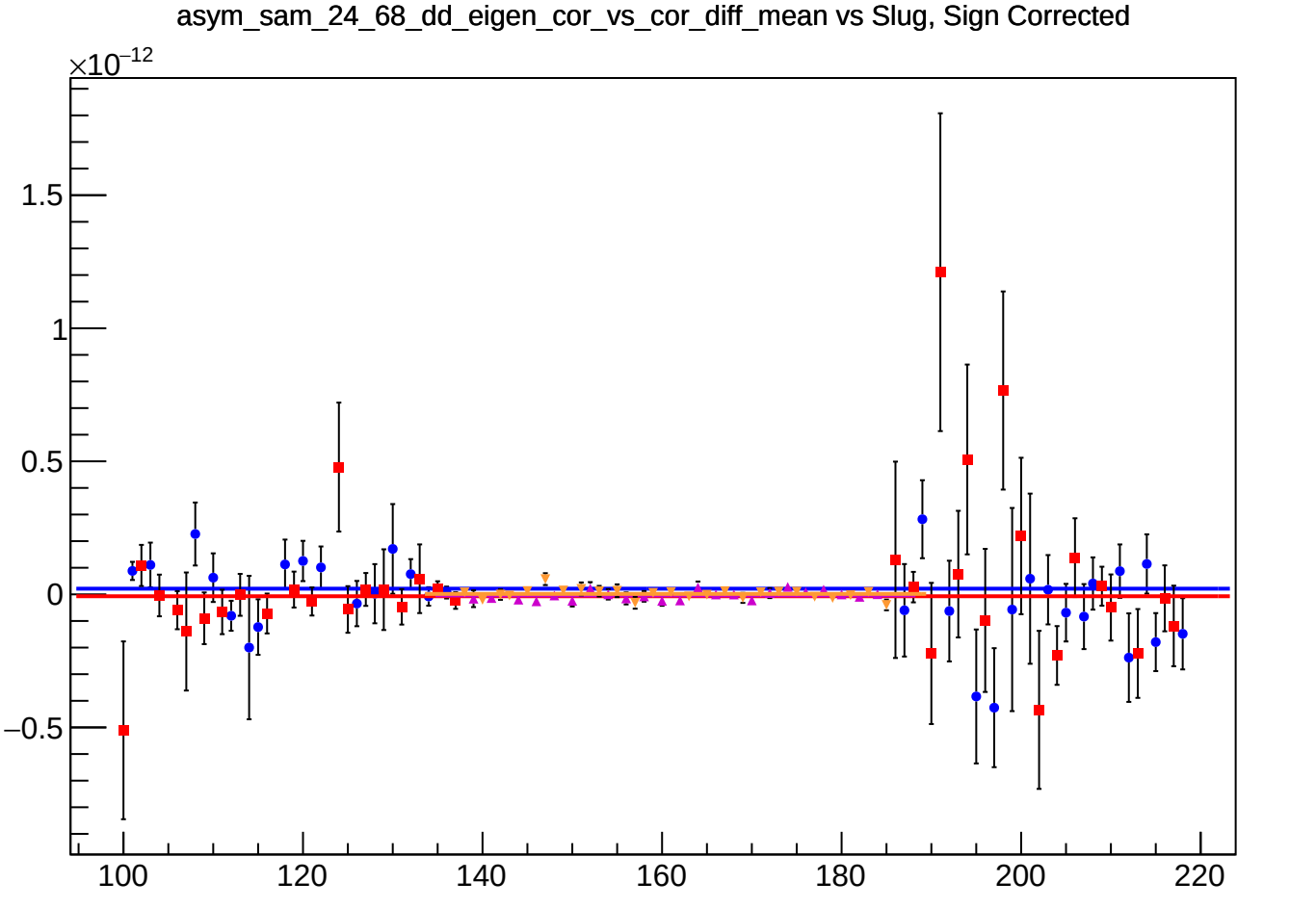
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 50.810+/-0.006 χ^2/NDF: 3304021.0/67

In: 44.009+/-0.005 χ^2/NDF:4656306.9/54

Out: 44.512+/-0.005 χ^2/NDF:5129229.4/60

All: 44.262+/-0.004 χ^2/NDF: 9790090.5/115



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: 36.5/35

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

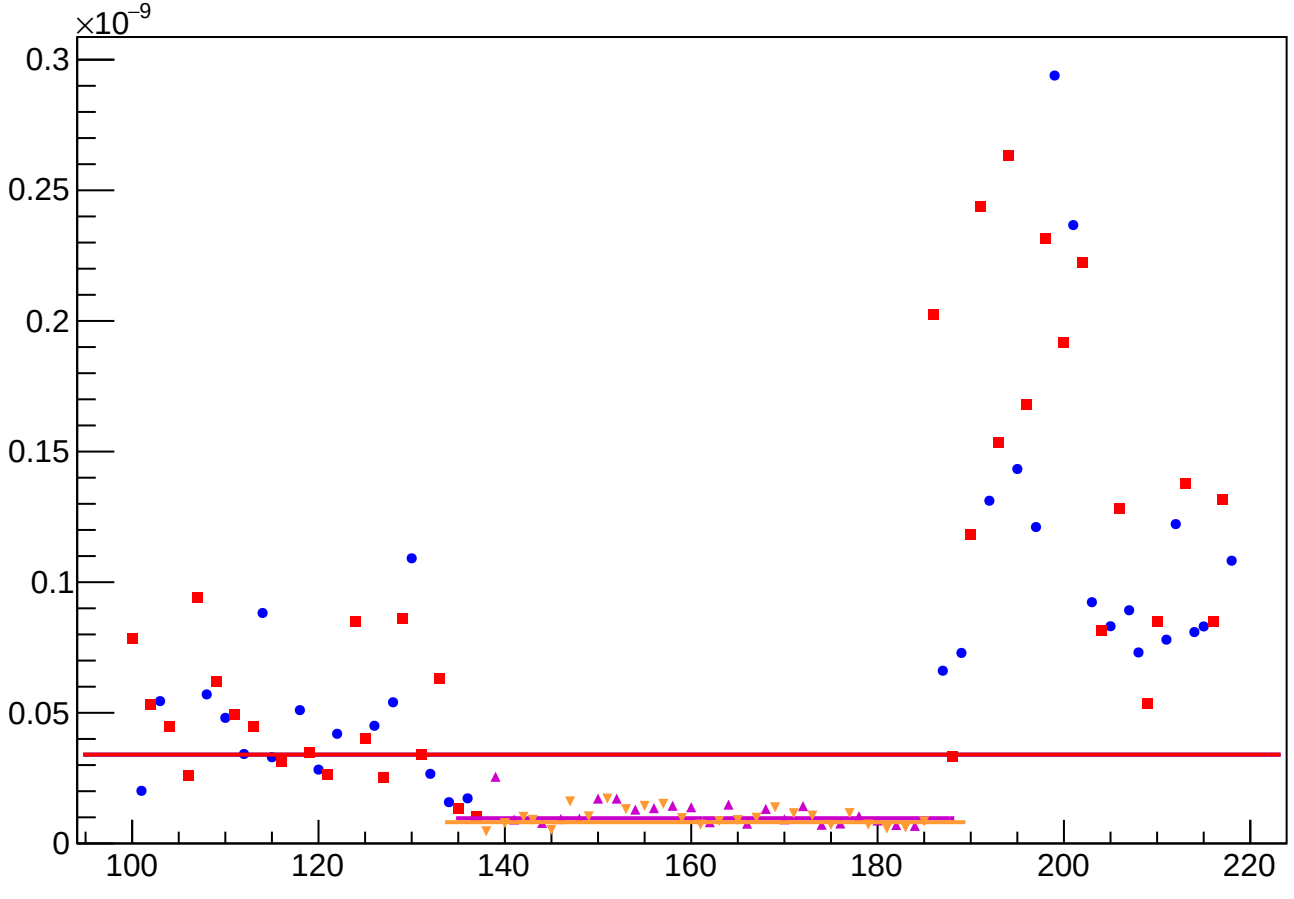
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 80.4/67

In: -0.000+/-0.000 χ^2/NDF:72.8/54

Out: 0.000+/-0.000 χ^2/NDF:64.9/60

All: -0.000+/-0.000 χ^2/NDF: 138.7/115



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: 11703299.2/35

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

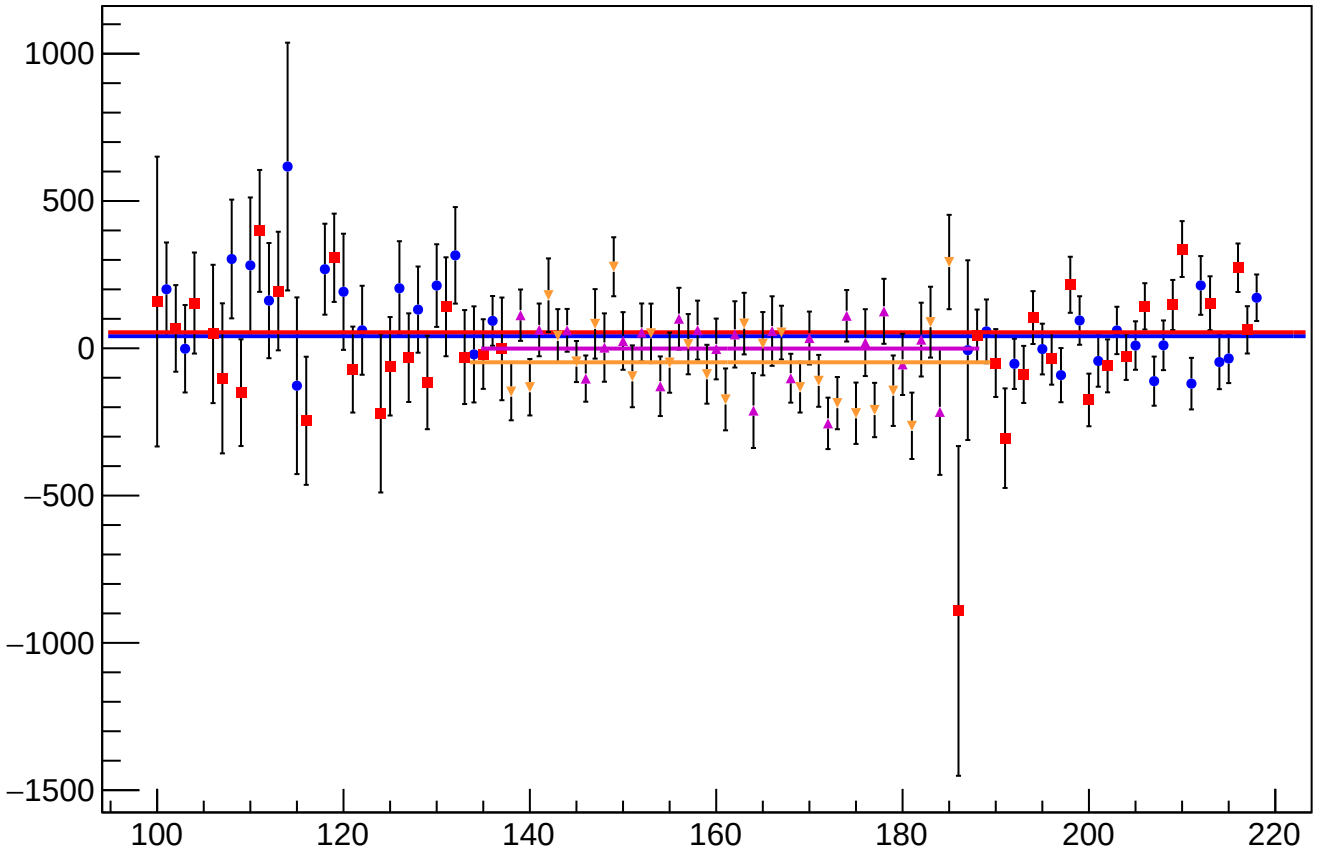
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 21673521.9/67

In: 0.000+/-0.000 χ^2/NDF:19117984.6/54

Out: 0.000+/-0.000 χ^2/NDF:21511851.7/60

All: 0.000+/-0.000 χ^2/NDF: 41107985.6/115



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: 54.386+/-19.707 χ^2/NDF: 58.4/35

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

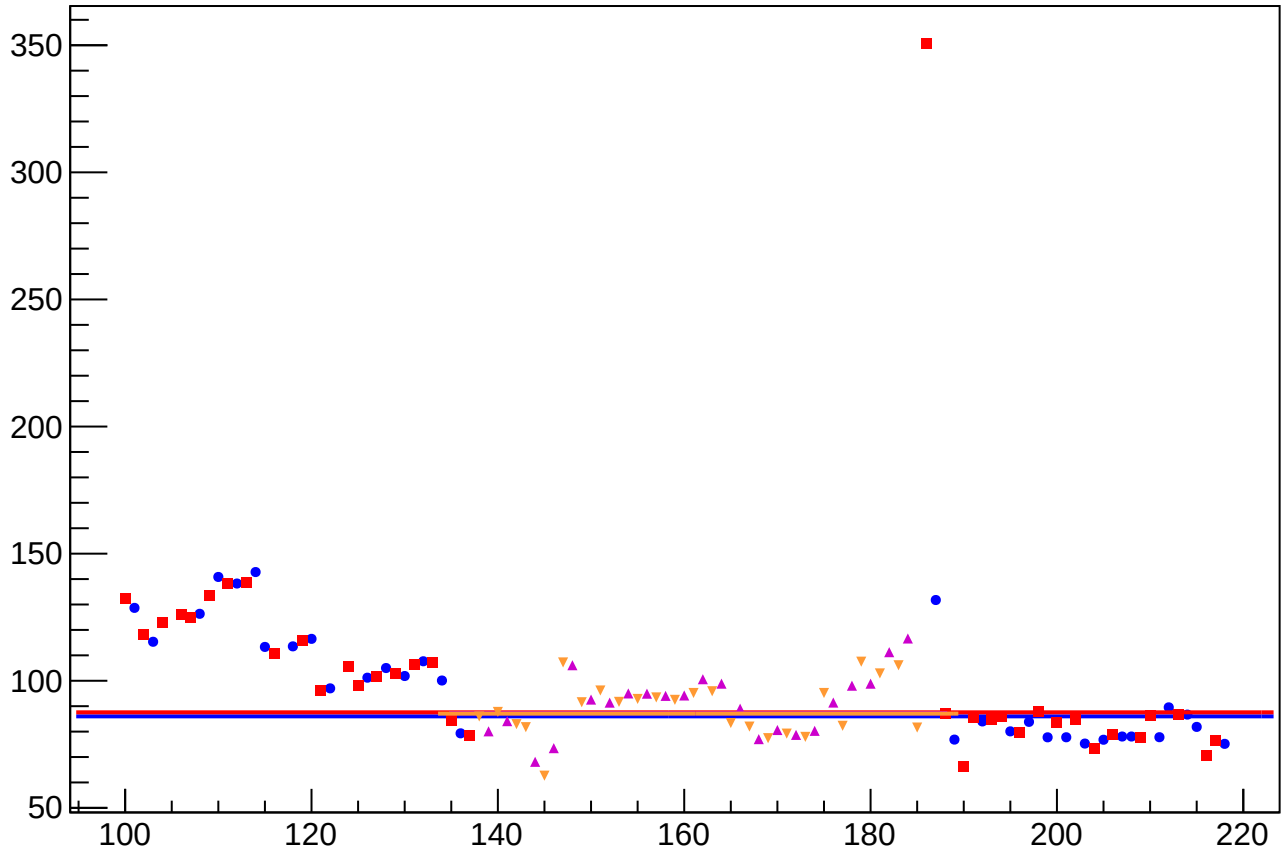
Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

Right: 47.645+/-13.848 χ^2/NDF: 93.5/67

In: 21.238+/-14.149 χ^2/NDF:62.6/54

Out: 4.140+/-14.032 χ^2/NDF:115.5/60

All: 12.618+/-9.963 χ^2/NDF: 178.9/115



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: 87.587+/-0.014 χ^2/NDF: 1658286.7/35

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

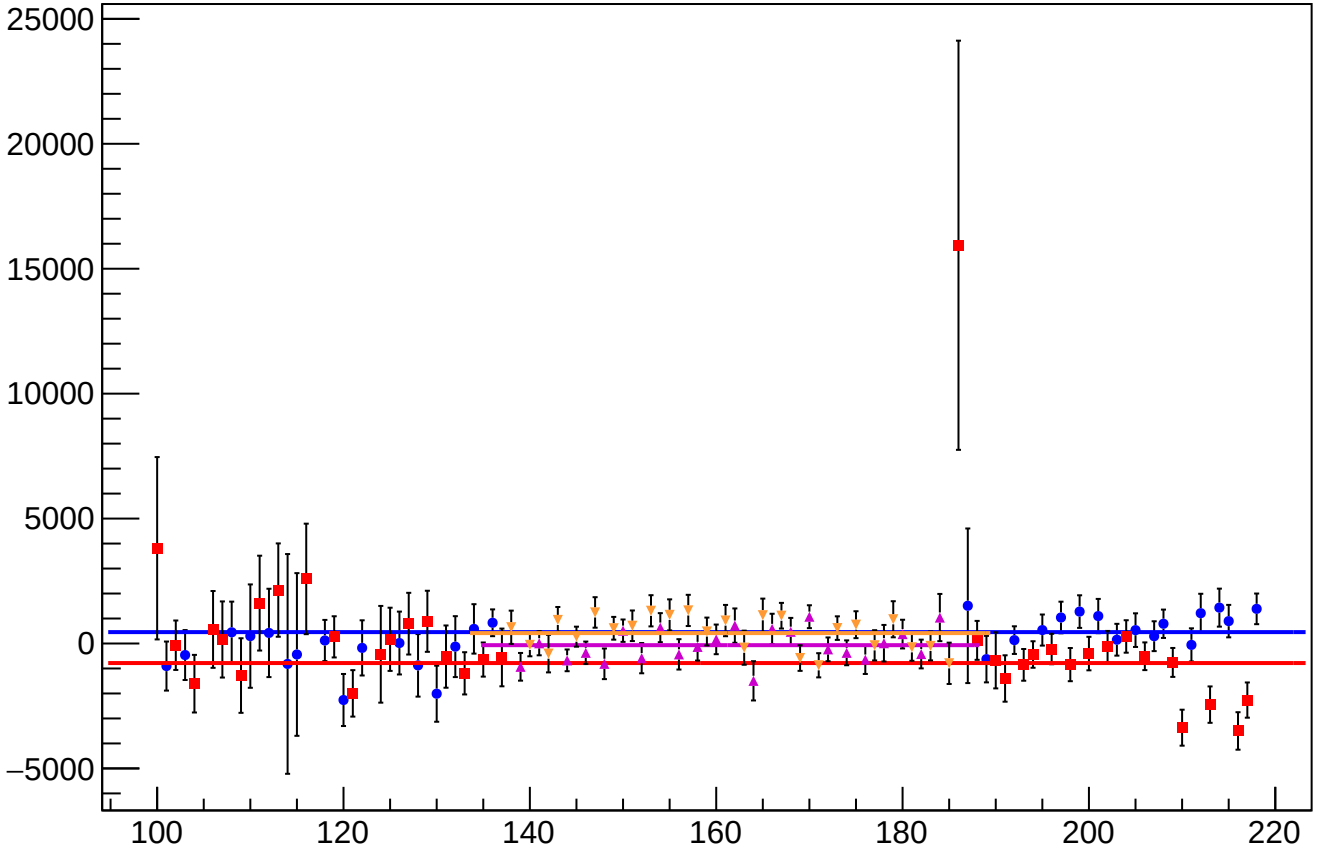
Right: 86.787+/-0.010 χ^2/NDF: 2806205.1/67

In: 86.596+/-0.010 χ^2/NDF:1741089.0/54

Out: 87.333+/-0.010 χ^2/NDF:2279587.3/60

All: 86.967+/-0.007 χ^2/NDF: 4023413.7/115

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: -782.293+/-142.433 χ^2/NDF: 65.3/35

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

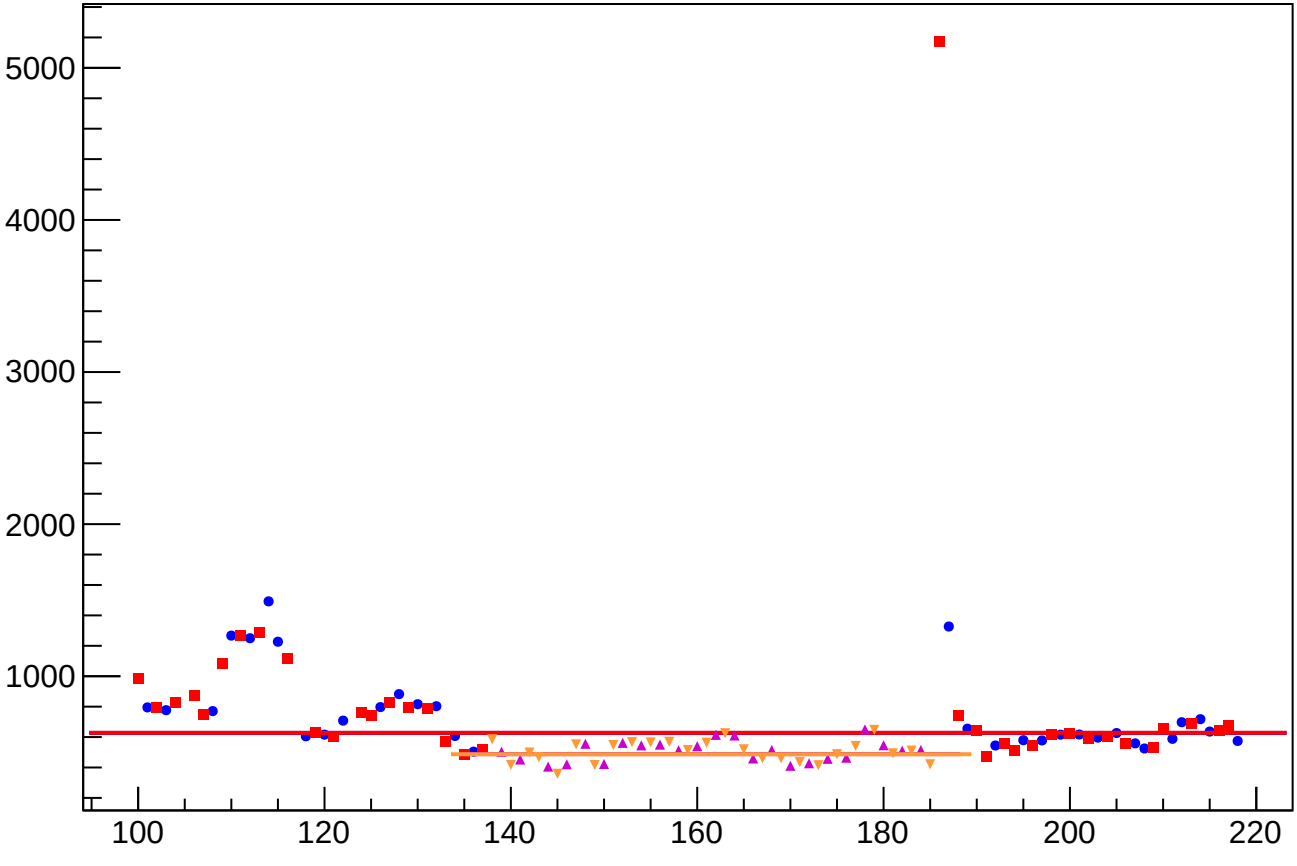
Right: -163.780+/-100.756 χ^2/NDF: 131.9/67

In: 140.194+/-89.702 χ^2/NDF:64.4/54

Out: -43.275+/-88.204 χ^2/NDF:141.4/60

All: 46.915+/-62.893 χ^2/NDF: 208.0/115

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



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: 627.889+/-0.101 χ^2/NDF: 2233884.2/35

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

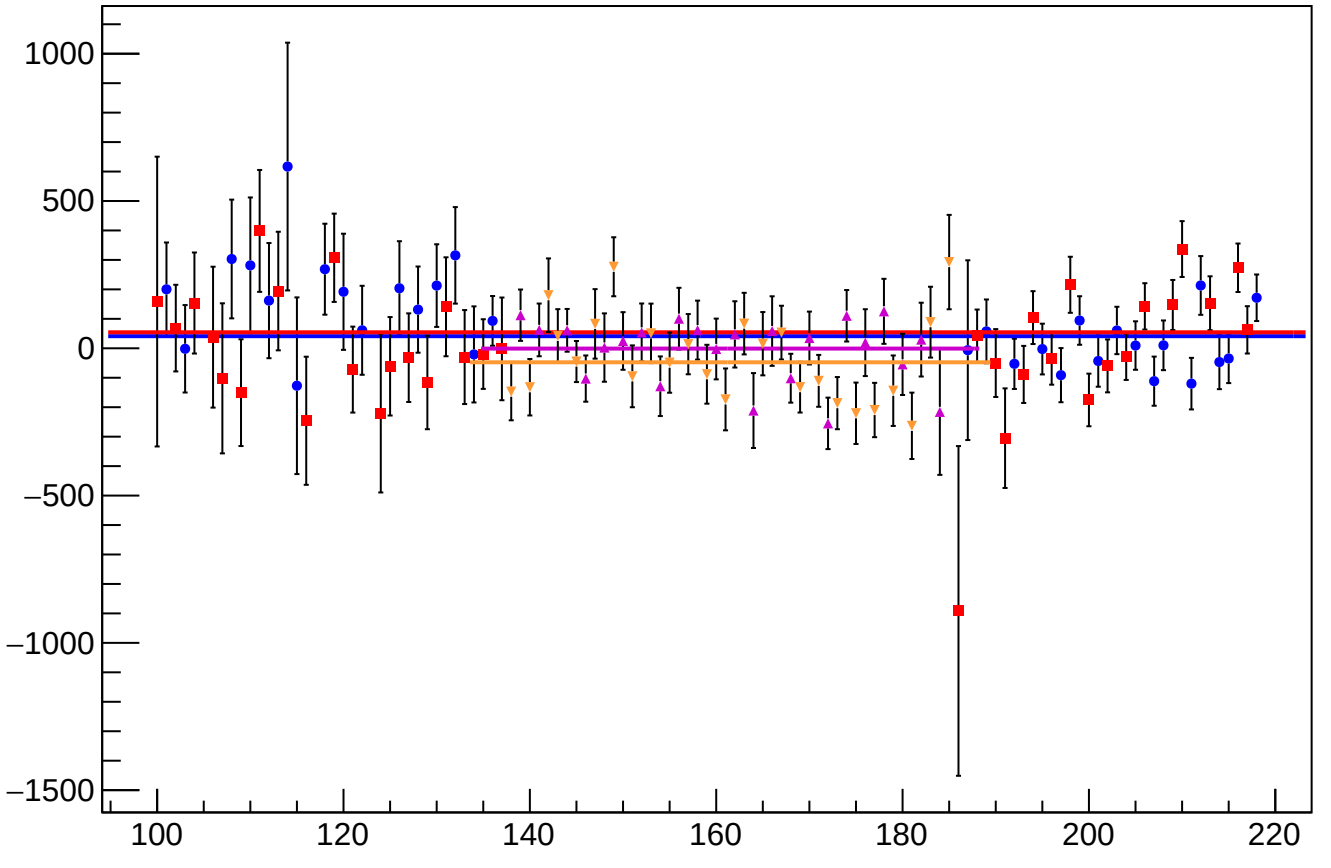
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 627.545+/-0.071 χ^2/NDF: 3622187.3/67

In: 543.078+/-0.063 χ^2/NDF:3175635.7/54

Out: 541.080+/-0.062 χ^2/NDF:4260202.8/60

All: 542.062+/-0.044 χ^2/NDF: 7436343.3/115



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: 54.330+/-19.710 χ^2/NDF: 58.4/35

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

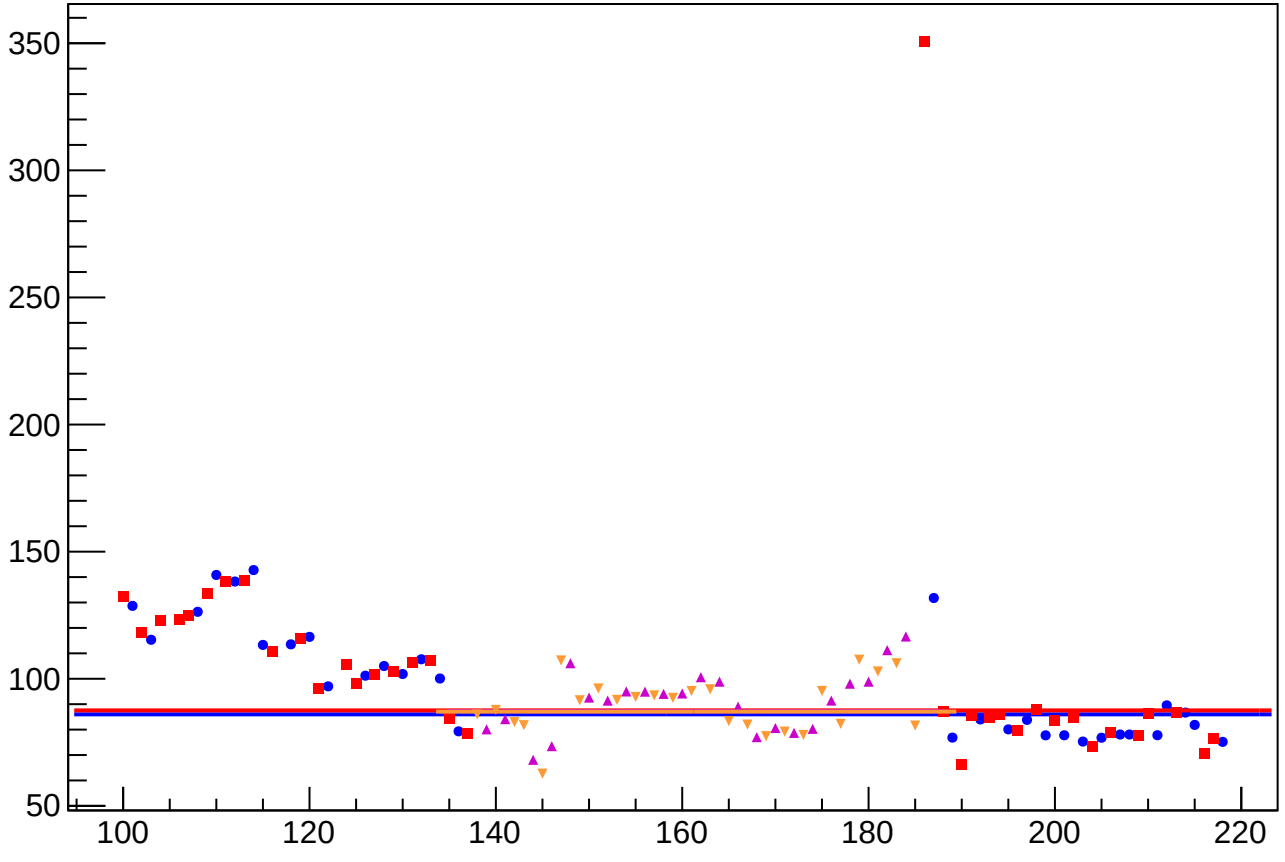
Right: 47.613+/-13.849 χ^2/NDF: 93.5/67

In: 21.234+/-14.149 χ^2/NDF:62.6/54

Out: 4.101+/-14.032 χ^2/NDF:115.5/60

All: 12.597+/-9.963 χ^2/NDF: 178.9/115

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: 87.558+/-0.014 χ^2/NDF: 1649151.6/35

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

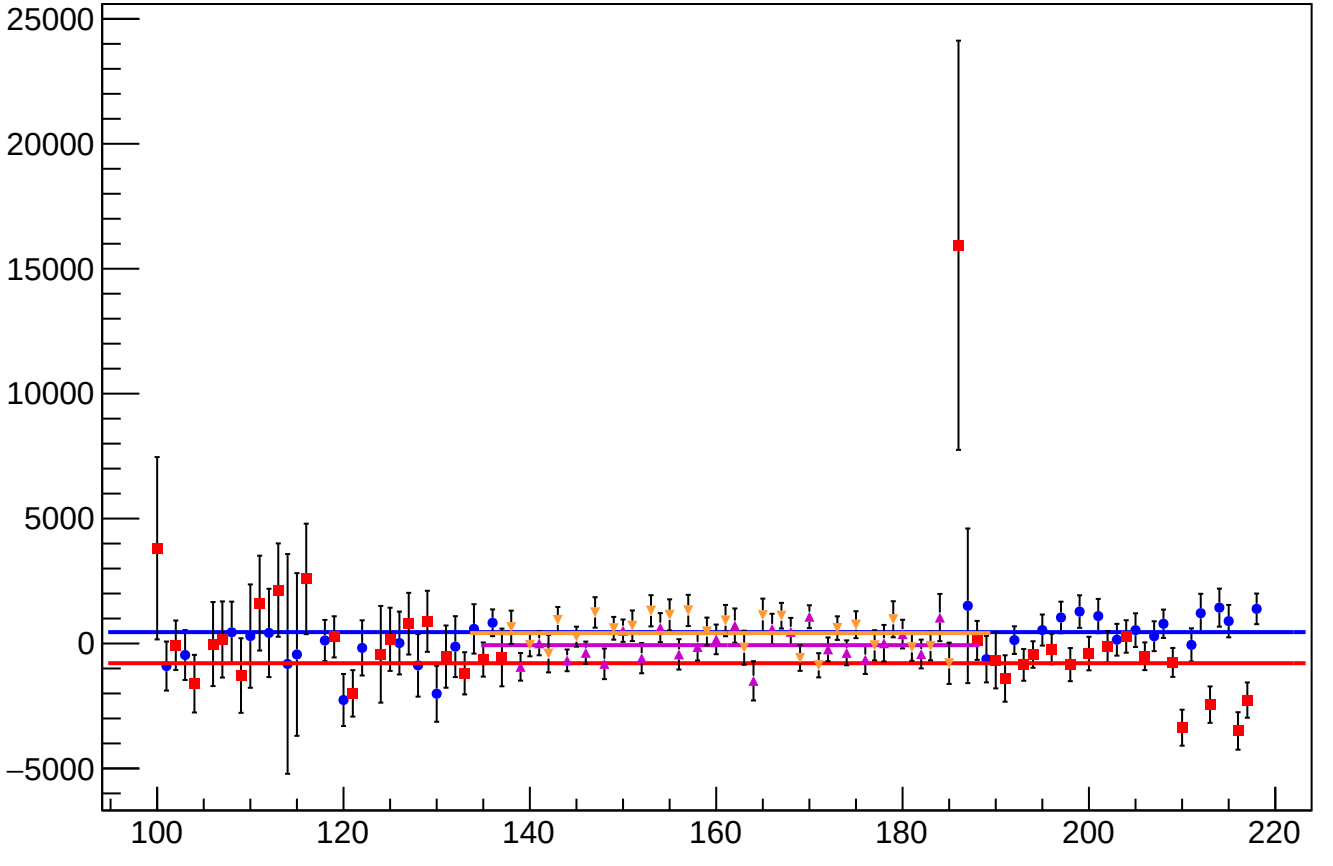
Right: 86.772+/-0.010 χ^2/NDF: 2796834.7/67

In: 86.596+/-0.010 χ^2/NDF:1741089.4/54

Out: 87.318+/-0.010 χ^2/NDF:2270379.0/60

All: 86.960+/-0.007 χ^2/NDF: 4014098.3/115

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: -788.408+/-142.536 χ^2/NDF: 64.8/35

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

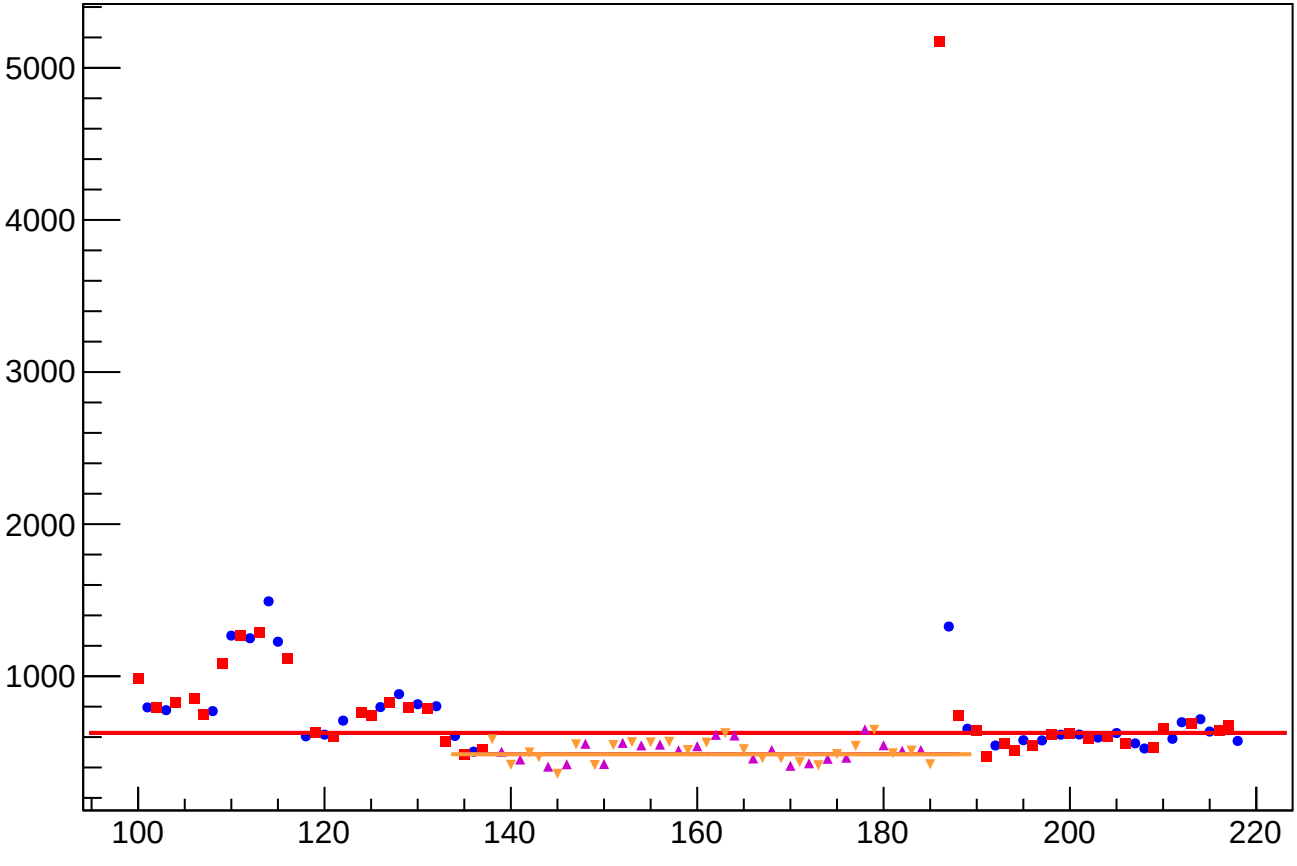
Right: -166.392+/-100.793 χ^2/NDF: 131.6/67

In: 140.193+/-89.702 χ^2/NDF:64.4/54

Out: -45.213+/-88.228 χ^2/NDF:141.3/60

All: 45.955+/-62.901 χ^2/NDF: 207.8/115

asym_sam_26_48_dd_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: 627.398+/-0.101 χ^2/NDF: 2218839.1/35

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

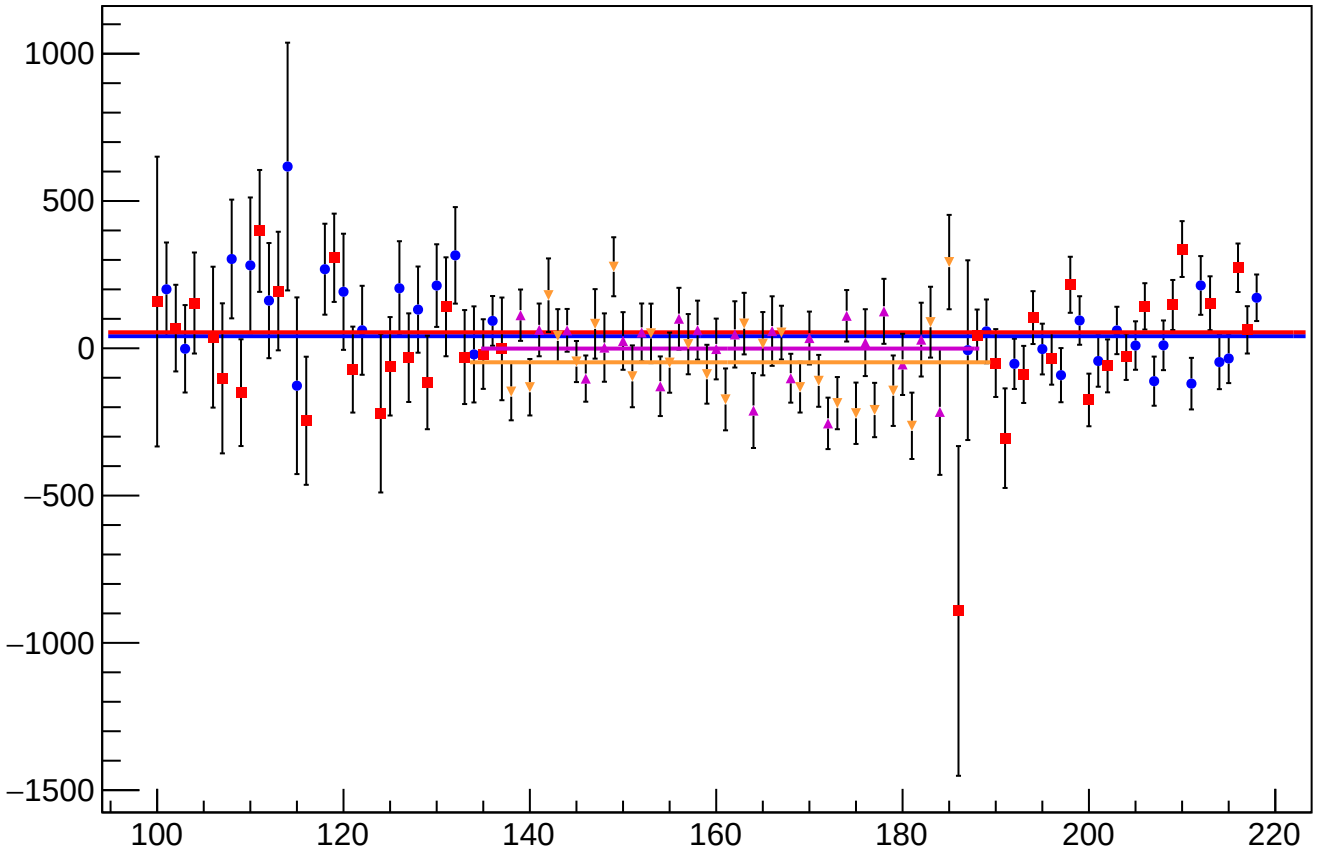
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 627.299+/-0.071 χ^2/NDF: 3607132.8/67

In: 543.078+/-0.063 χ^2/NDF:3175651.8/54

Out: 540.843+/-0.062 χ^2/NDF:4235690.9/60

All: 541.942+/-0.044 χ^2/NDF: 7411973.7/115



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: 54.330+/-19.710 χ^2/NDF: 58.4/35

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

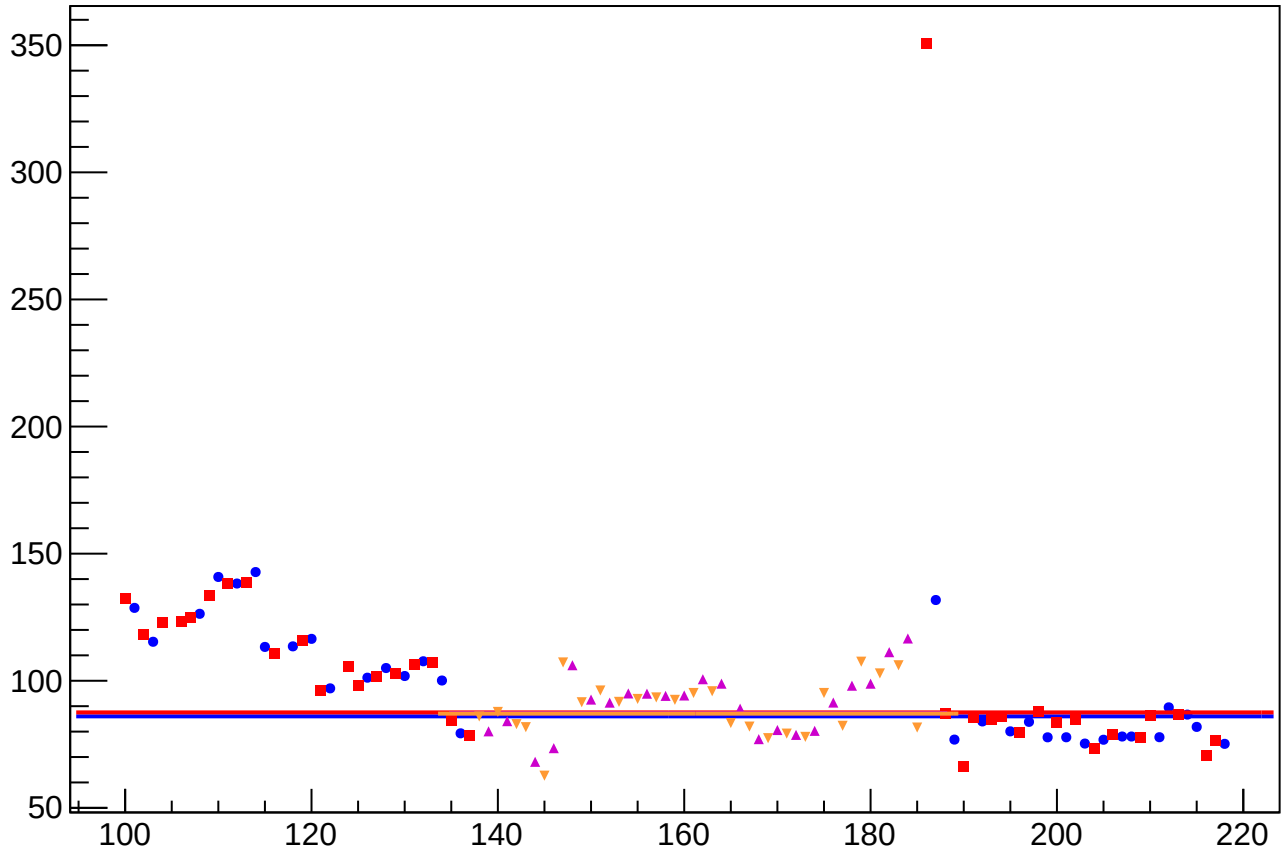
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 47.613+/-13.849 χ^2/NDF: 93.5/67

In: 21.234+/-14.149 χ^2/NDF:62.6/54

Out: 4.101+/-14.032 χ^2/NDF:115.5/60

All: 12.597+/-9.963 χ^2/NDF: 178.9/115



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: 87.558+/-0.014 χ^2/NDF: 1649151.6/35

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

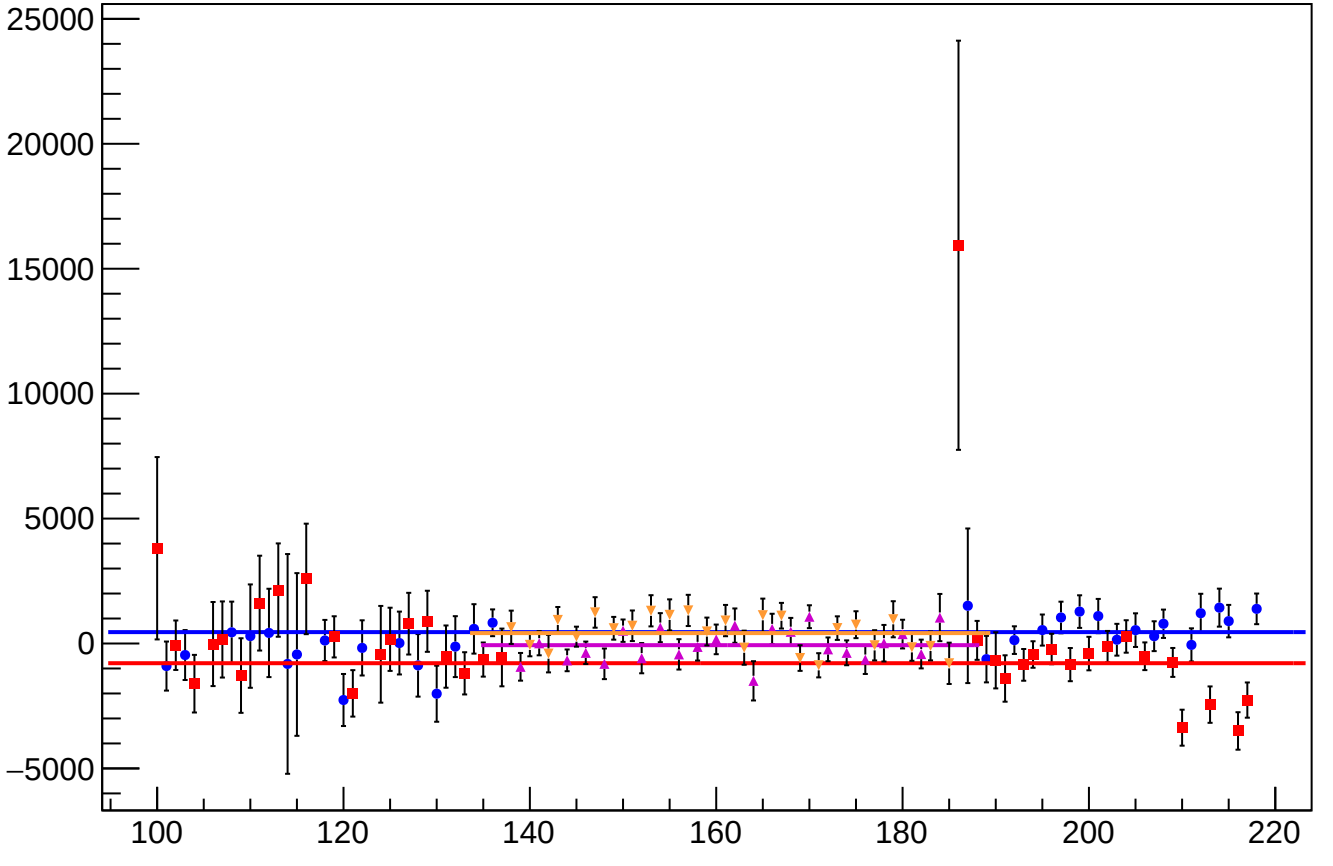
Right: 86.772+/-0.010 χ^2/NDF: 2796834.7/67

In: 86.596+/-0.010 χ^2/NDF:1741089.4/54

Out: 87.318+/-0.010 χ^2/NDF:2270379.0/60

All: 86.960+/-0.007 χ^2/NDF: 4014098.3/115

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: -788.408+/-142.536 χ^2/NDF: 64.8/35

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

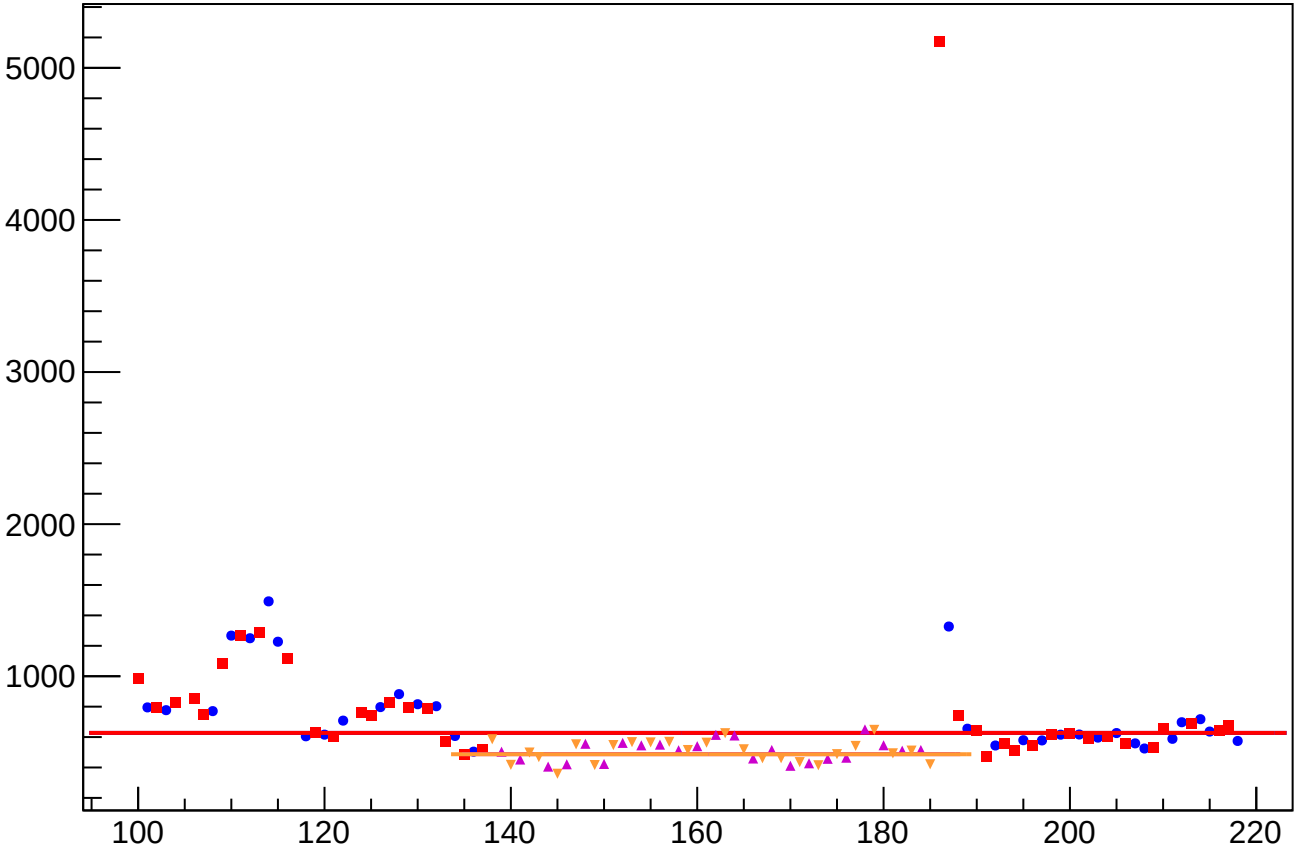
Right: -166.392+/-100.793 χ^2/NDF: 131.6/67

In: 140.193+/-89.702 χ^2/NDF:64.4/54

Out: -45.213+/-88.228 χ^2/NDF:141.3/60

All: 45.955+/-62.901 χ^2/NDF: 207.8/115

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: 627.398+/-0.101 χ^2/NDF: 2218839.1/35

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

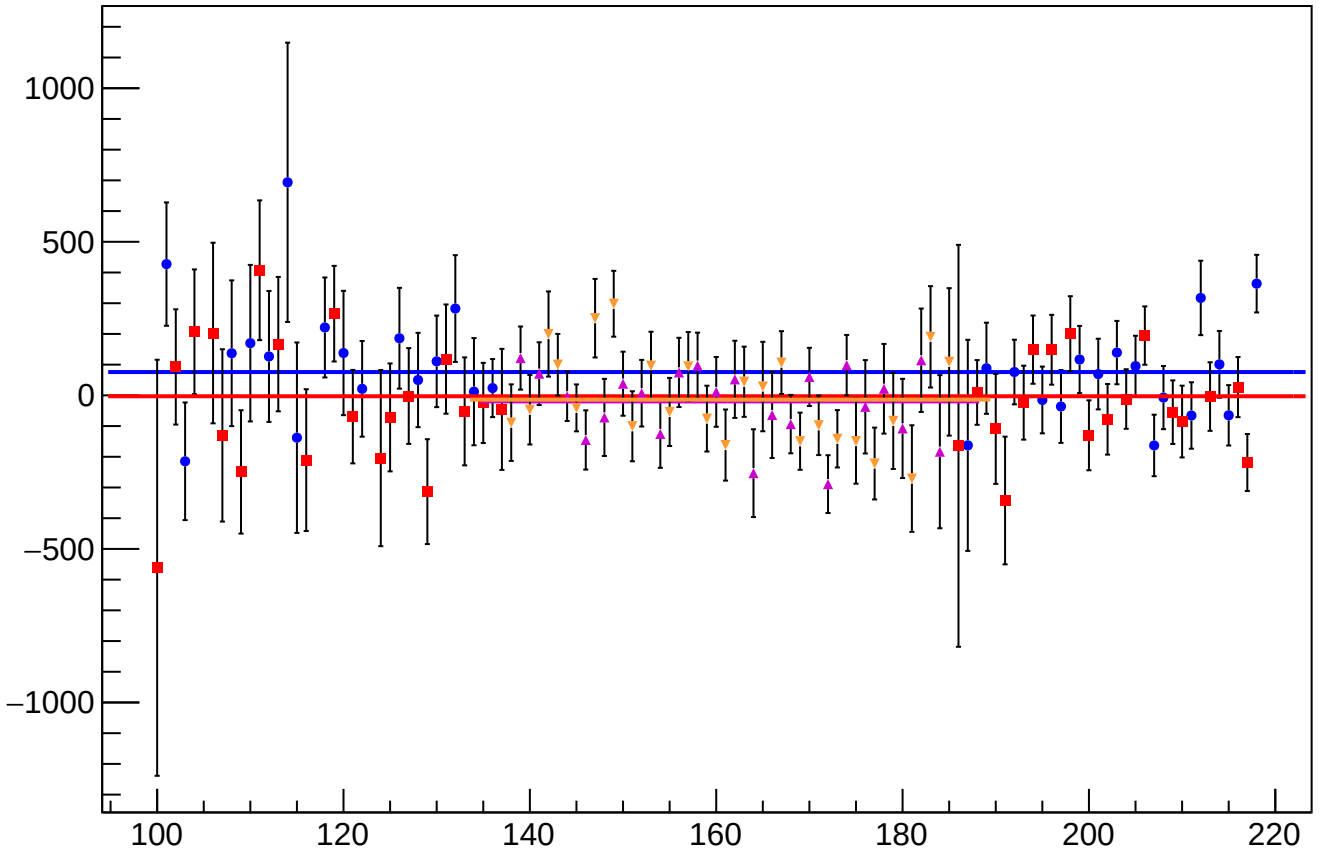
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 627.299+/-0.071 χ^2/NDF: 3607132.8/67

In: 543.078+/-0.063 χ^2/NDF:3175651.8/54

Out: 540.843+/-0.062 χ^2/NDF:4235690.9/60

All: 541.942+/-0.044 χ^2/NDF: 7411973.7/115



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: -2.945+/-23.607 χ^2/NDF: 38.4/35

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

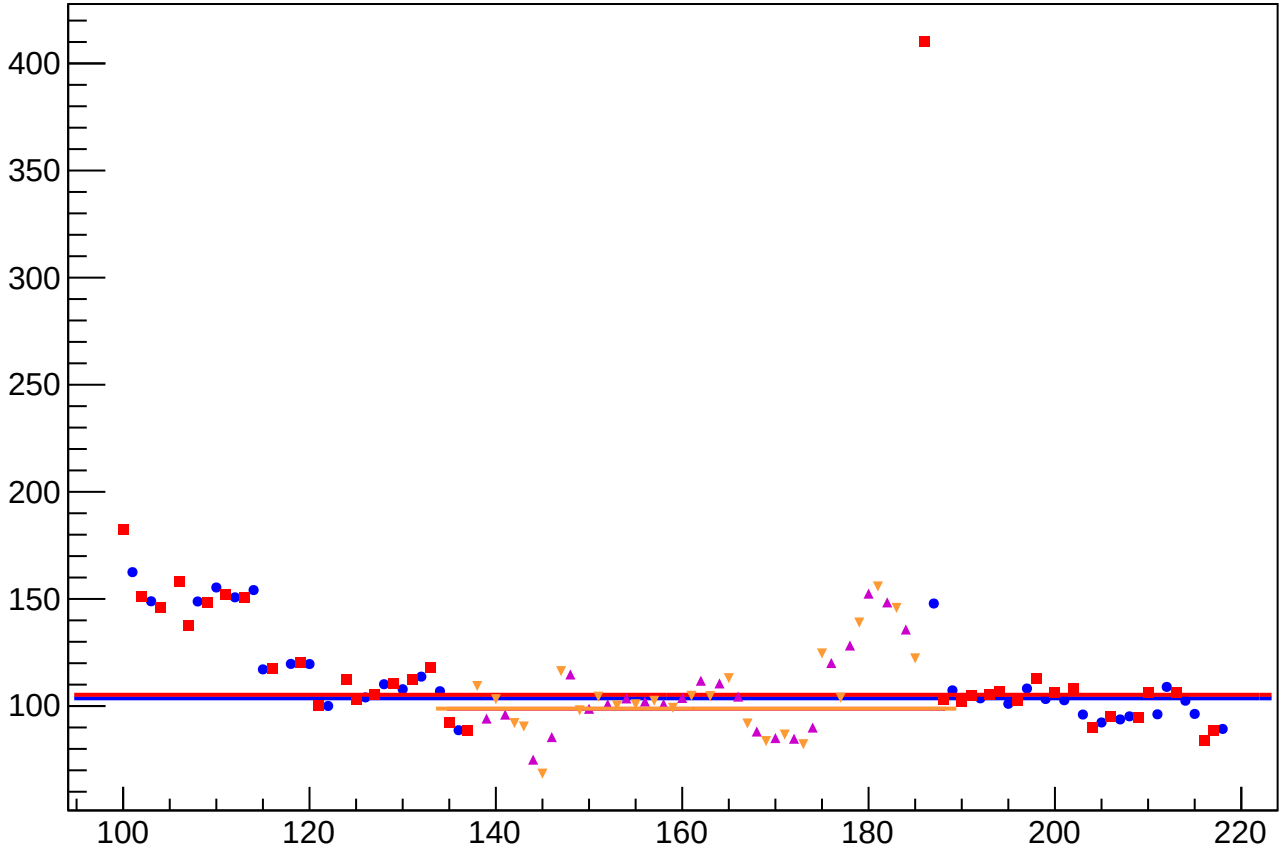
Right: 36.893+/-16.603 χ^2/NDF: 81.6/67

In: 28.480+/-16.590 χ^2/NDF:69.2/54

Out: -8.587+/-16.443 χ^2/NDF:74.9/60

All: 9.781+/-11.679 χ^2/NDF: 146.6/115

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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: 105.271+/-0.017 χ^2/NDF: 1355858.3/35

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

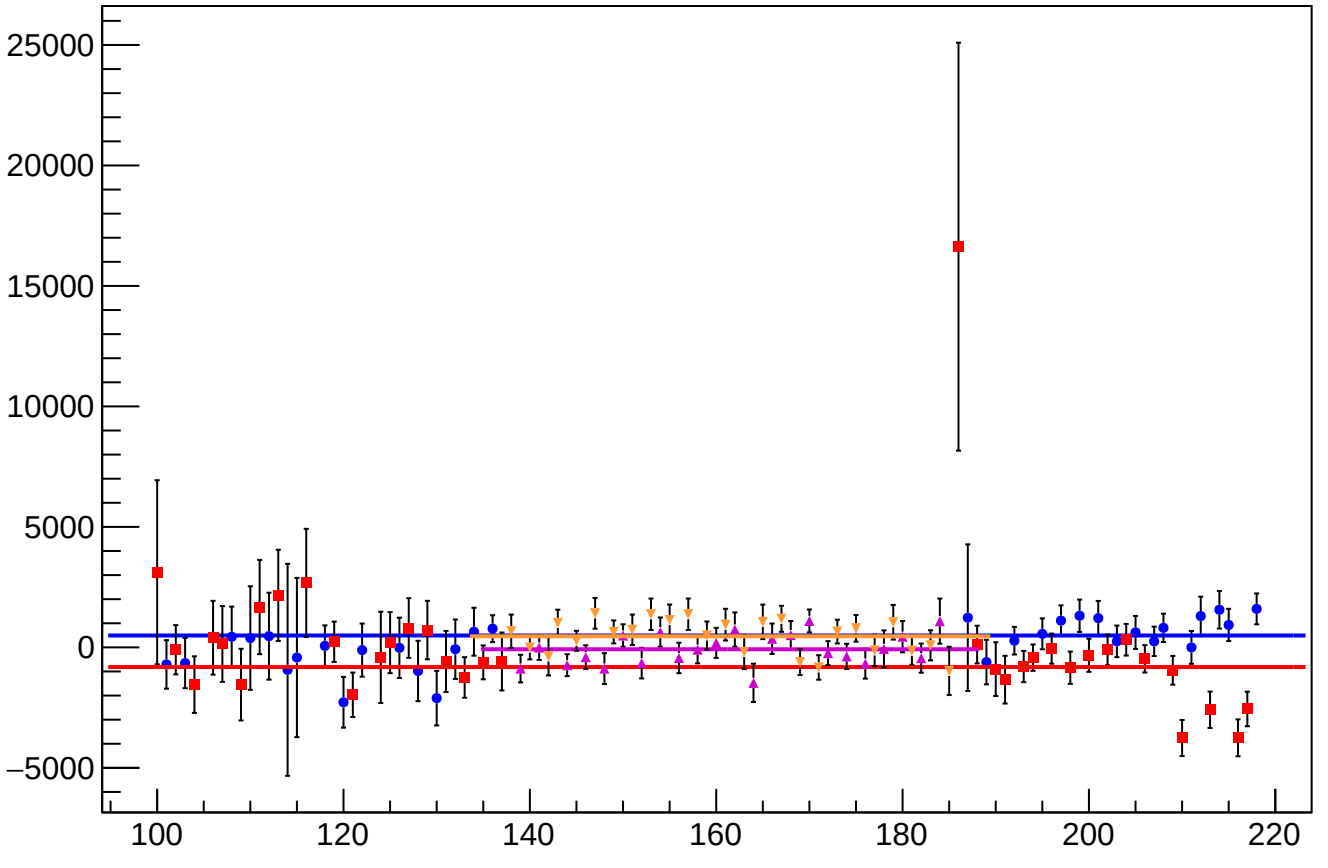
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 104.432+/-0.012 χ^2/NDF: 2200911.8/67

In: 101.164+/-0.012 χ^2/NDF:1872148.0/54

Out: 101.939+/-0.012 χ^2/NDF:2619073.5/60

All: 101.555+/-0.008 χ^2/NDF: 4493420.9/115



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: -816.403+/-145.298 χ^2/NDF: 72.0/35

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

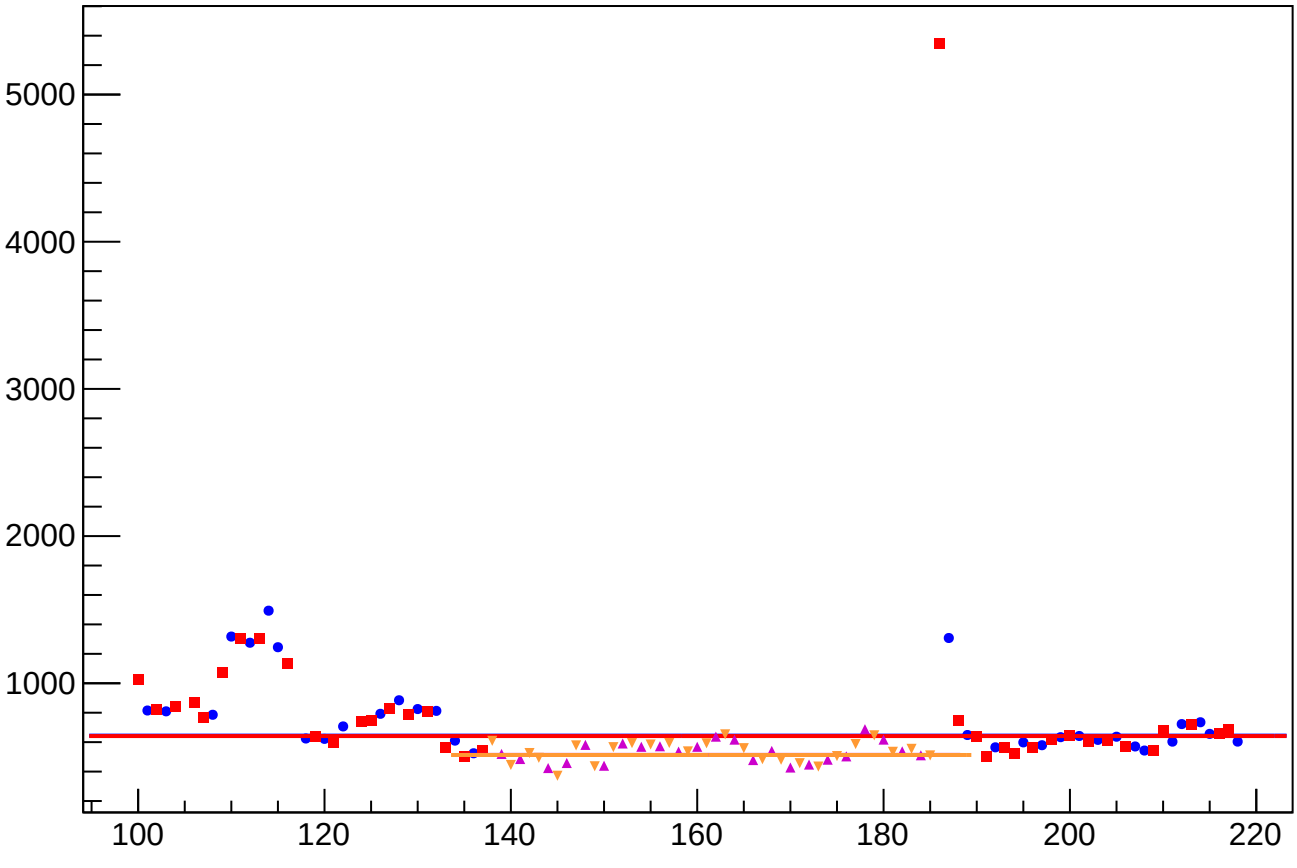
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -166.120+/-103.077 χ^2/NDF: 142.4/67

In: 154.440+/-93.428 χ^2/NDF:65.4/54

Out: -48.396+/-91.650 χ^2/NDF:149.1/60

All: 51.074+/-65.426 χ^2/NDF: 216.9/115



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: 641.283+/-0.103 χ^2/NDF: 2166848.0/35

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

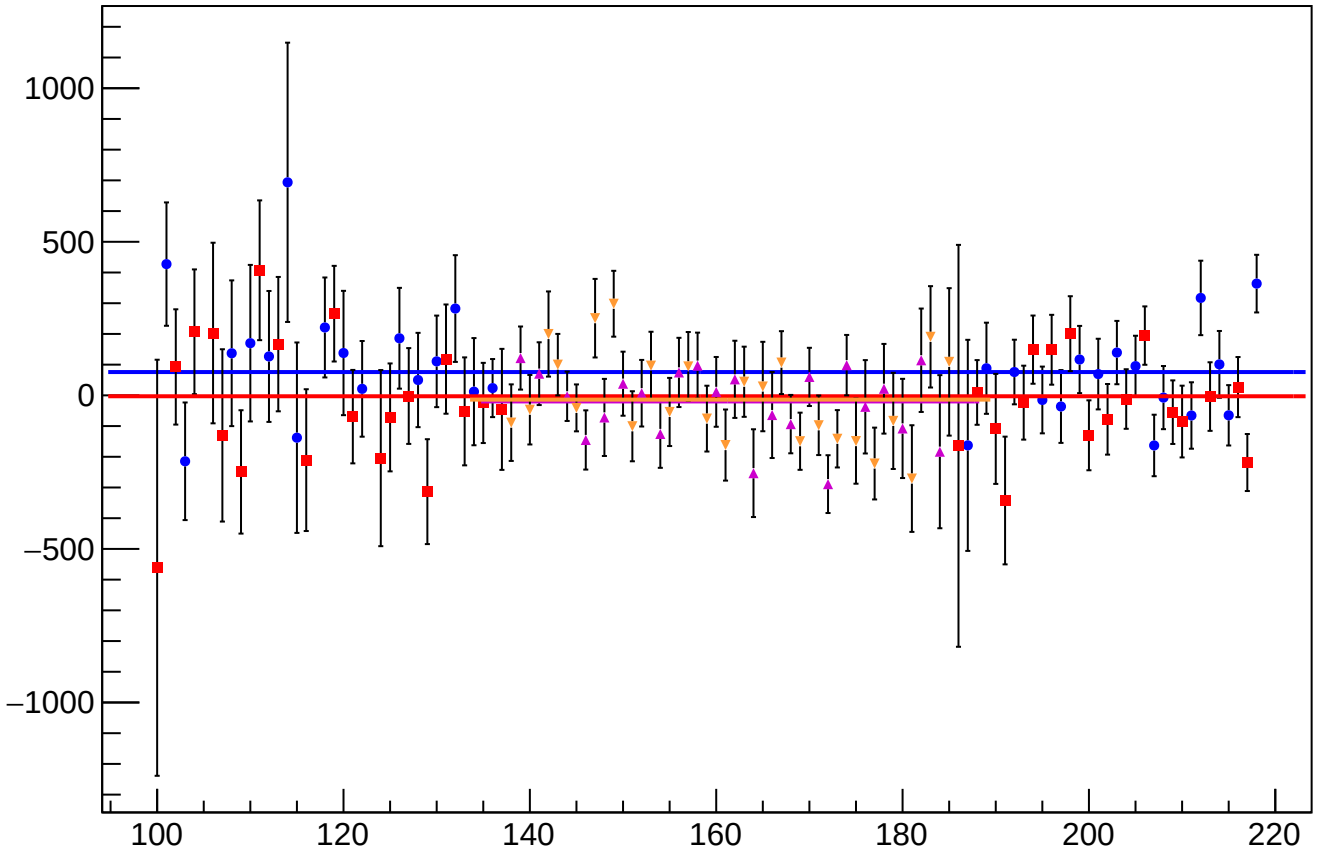
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 642.801+/-0.073 χ^2/NDF: 3495129.4/67

In: 566.819+/-0.066 χ^2/NDF:2911107.9/54

Out: 563.901+/-0.065 χ^2/NDF:3908197.3/60

All: 565.332+/-0.046 χ^2/NDF: 6820299.3/115



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: -2.943+/-23.607 χ^2/NDF: 38.4/35

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

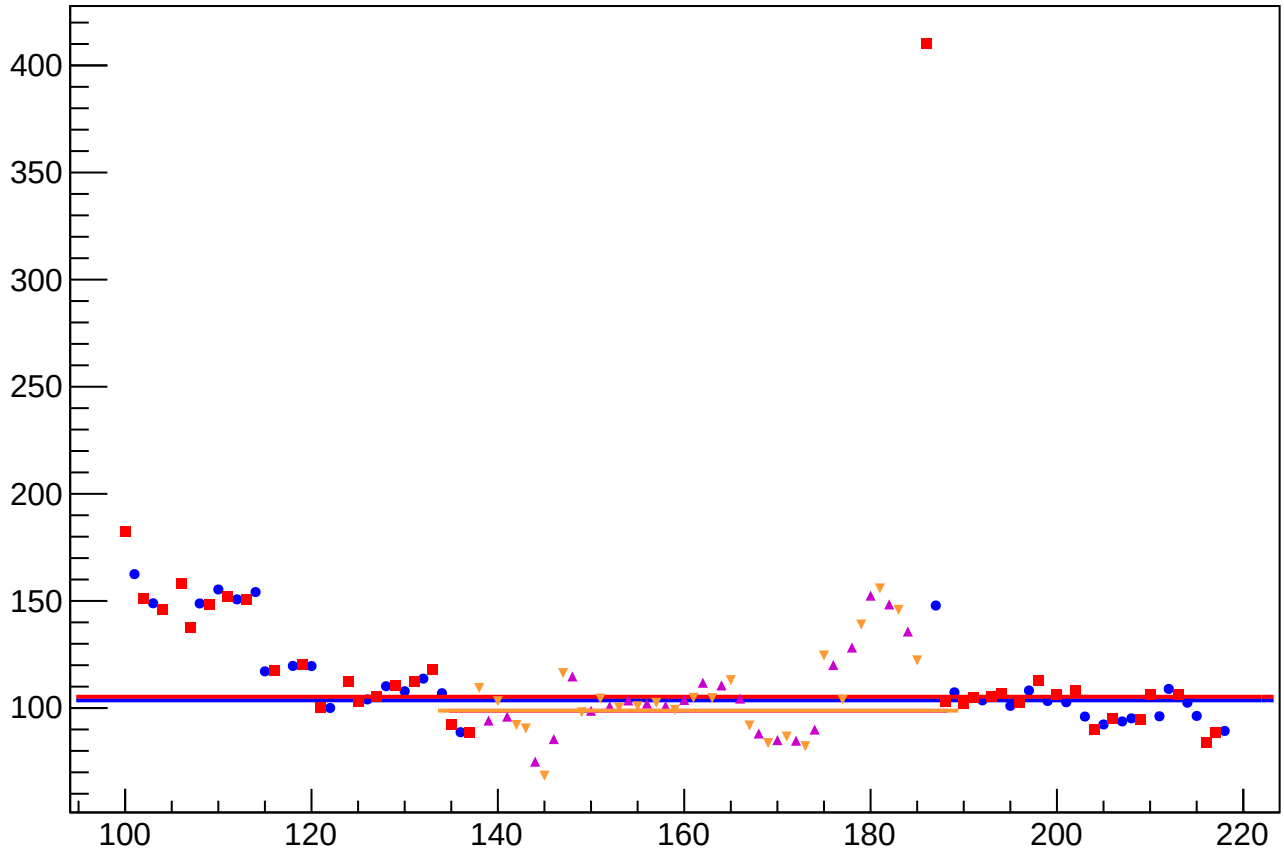
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 36.893+/-16.603 χ^2/NDF: 81.6/67

In: 28.479+/-16.590 χ^2/NDF:69.2/54

Out: -8.587+/-16.443 χ^2/NDF:74.9/60

All: 9.781+/-11.679 χ^2/NDF: 146.6/115



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: 105.271+/-0.017 χ^2/NDF: 1355850.2/35

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

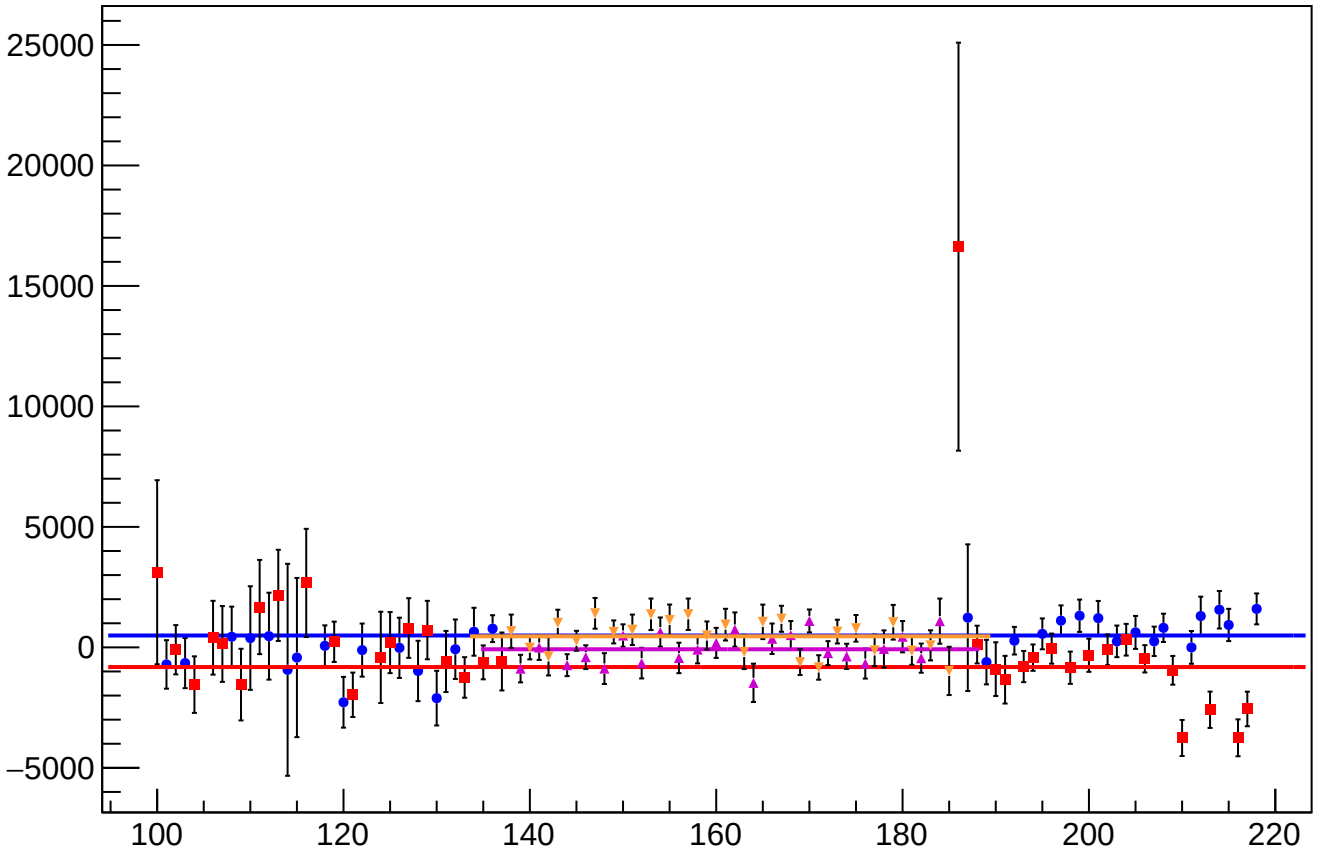
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 104.432+/-0.012 χ^2/NDF: 2200894.0/67

In: 101.164+/-0.012 χ^2/NDF:1872131.1/54

Out: 101.939+/-0.012 χ^2/NDF:2619071.6/60

All: 101.555+/-0.008 χ^2/NDF: 4493402.0/115



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: -816.401+/-145.298 χ^2/NDF: 72.0/35

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

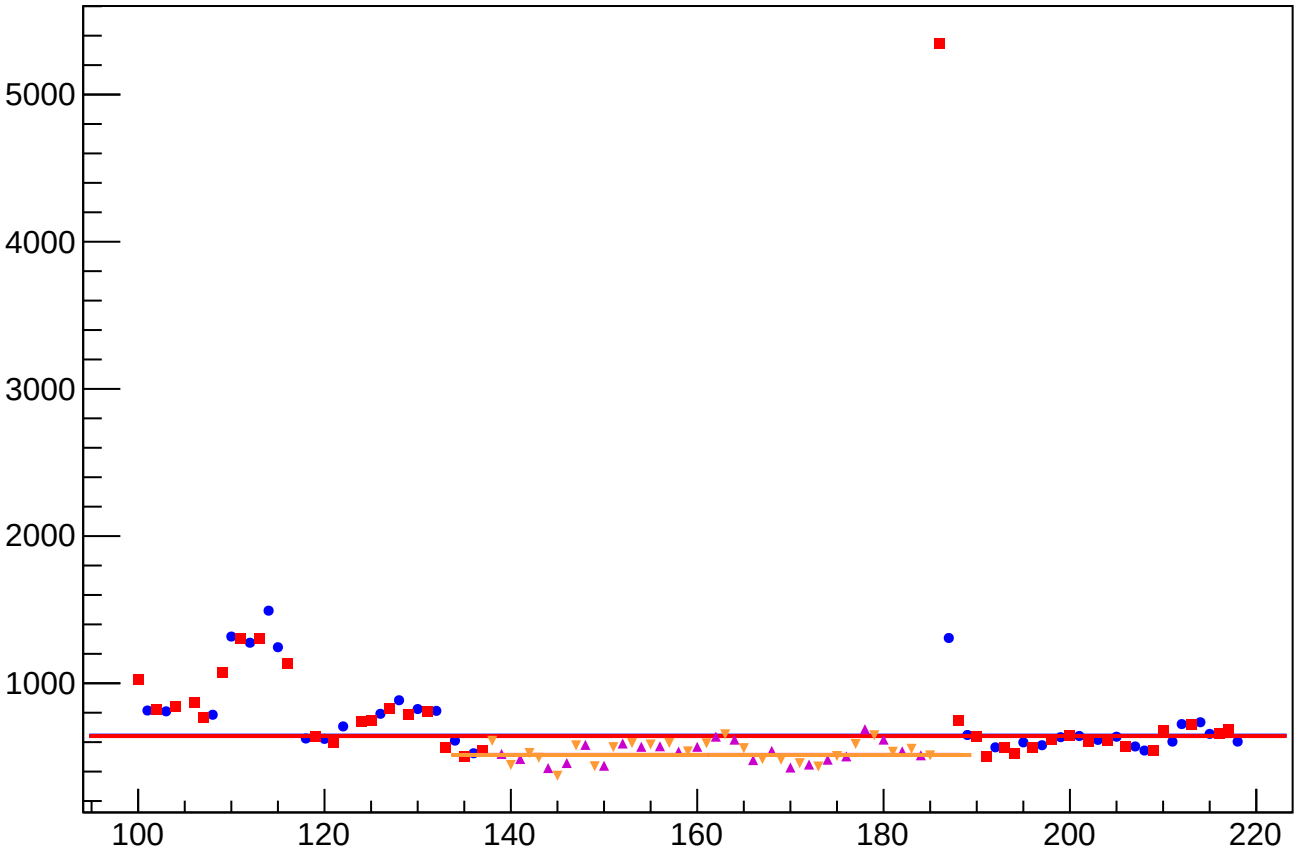
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -166.119+/-103.077 χ^2/NDF: 142.4/67

In: 154.440+/-93.428 χ^2/NDF:65.4/54

Out: -48.397+/-91.650 χ^2/NDF:149.1/60

All: 51.073+/-65.426 χ^2/NDF: 216.9/115



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: 641.282+/-0.103 χ^2/NDF: 2166844.9/35

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

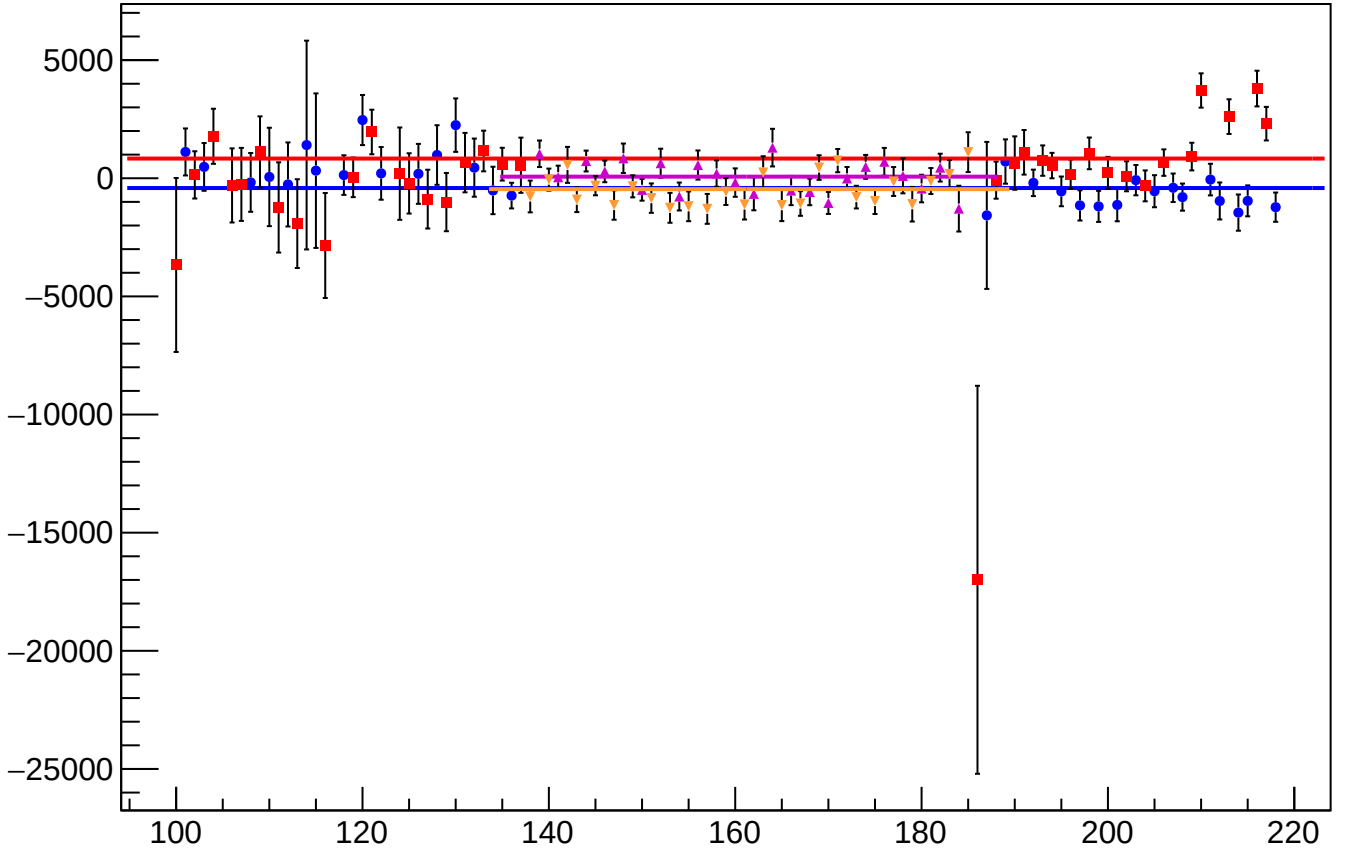
Right: 642.800+/-0.073 χ^2/NDF: 3495122.5/67

In: 566.819+/-0.066 χ^2/NDF:2911094.2/54

Out: 563.901+/-0.065 χ^2/NDF:3908184.2/60

All: 565.332+/-0.046 χ^2/NDF: 6820272.5/115

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: 834.115+/-143.976 χ^2/NDF: 71.8/35

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

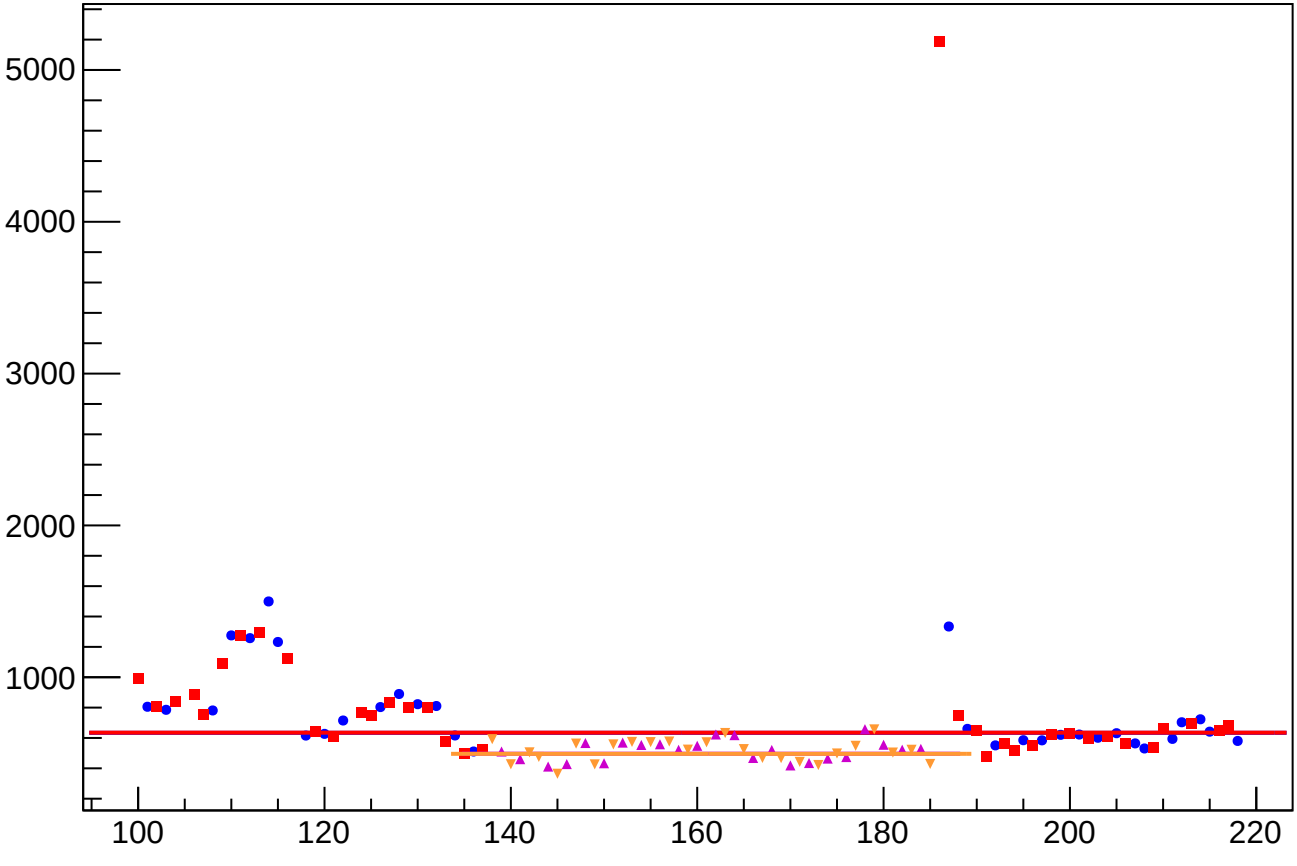
Right: 210.261+/-101.820 χ^2/NDF: 140.1/67

In: -124.310+/-90.980 χ^2/NDF:66.0/54

Out: 40.024+/-89.487 χ^2/NDF:152.2/60

All: -40.784+/-63.798 χ^2/NDF: 219.9/115

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: 634.922+/-0.102 χ^2/NDF: 2210712.9/35

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

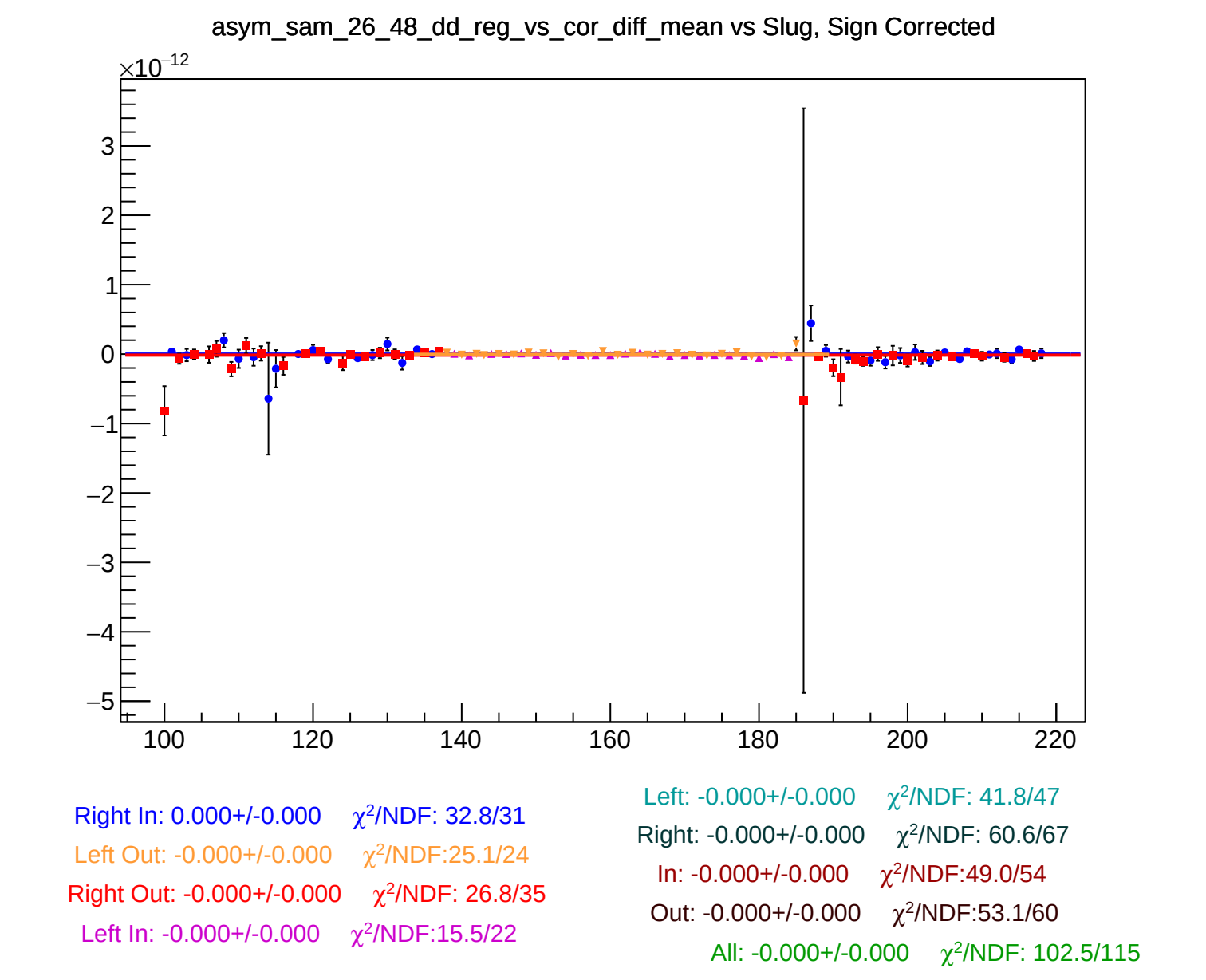
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

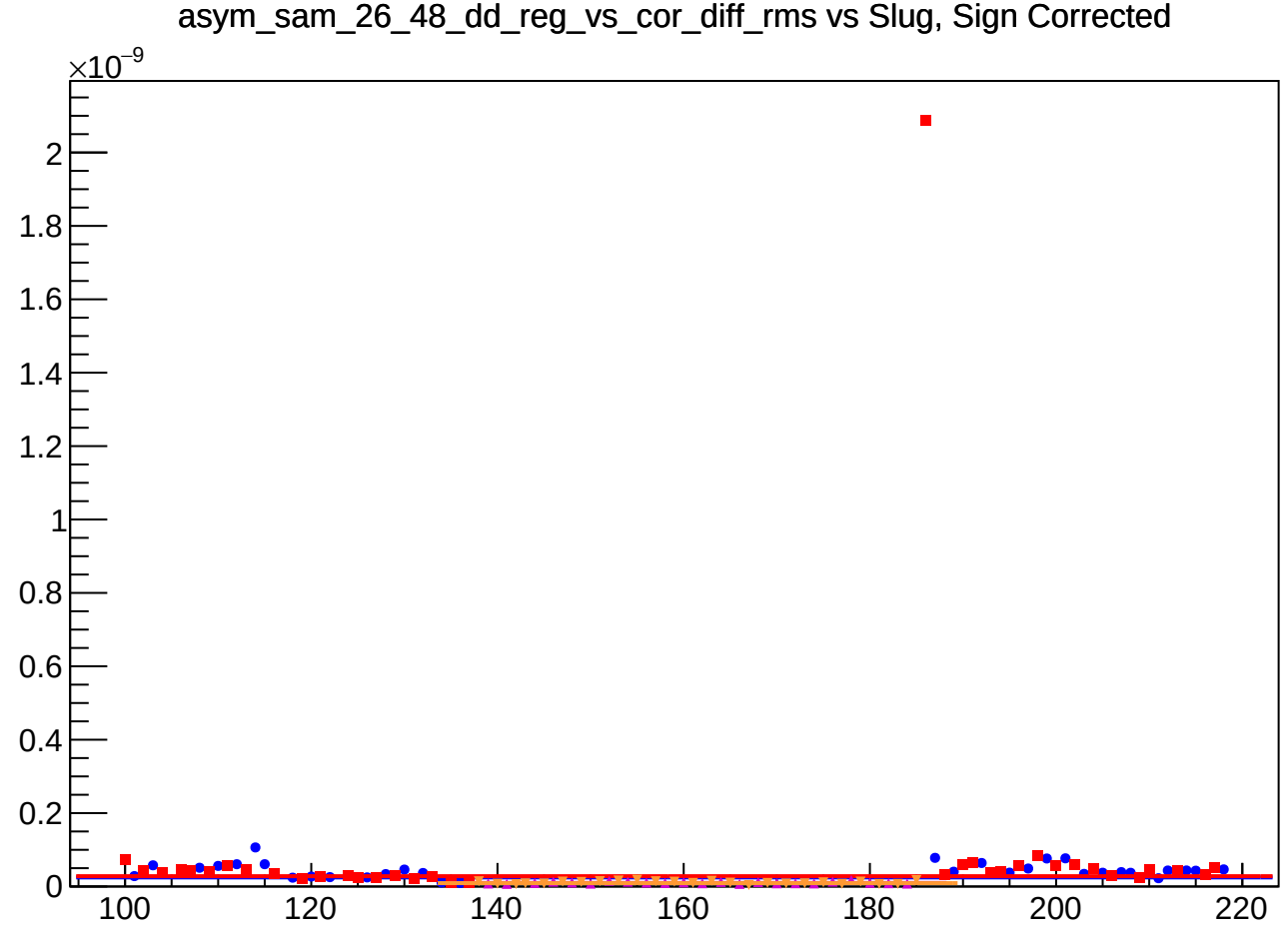
Right: 634.369+/-0.072 χ^2/NDF: 3586156.5/67

In: 551.186+/-0.064 χ^2/NDF:3093403.4/54

Out: 549.370+/-0.063 χ^2/NDF:4166094.7/60

All: 550.263+/-0.045 χ^2/NDF: 7259903.1/115


asym_sam_26_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 32.8/31
Left Out: -0.000+/-0.000 χ²/NDF:25.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 26.8/35
Left In: -0.000+/-0.000 χ²/NDF:15.5/22
Left: -0.000+/-0.000 χ²/NDF: 41.8/47
Right: -0.000+/-0.000 χ²/NDF: 60.6/67
In: -0.000+/-0.000 χ²/NDF:49.0/54
Out: -0.000+/-0.000 χ²/NDF:53.1/60
All: -0.000+/-0.000 χ²/NDF: 102.5/115



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: 4640110.2/35

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

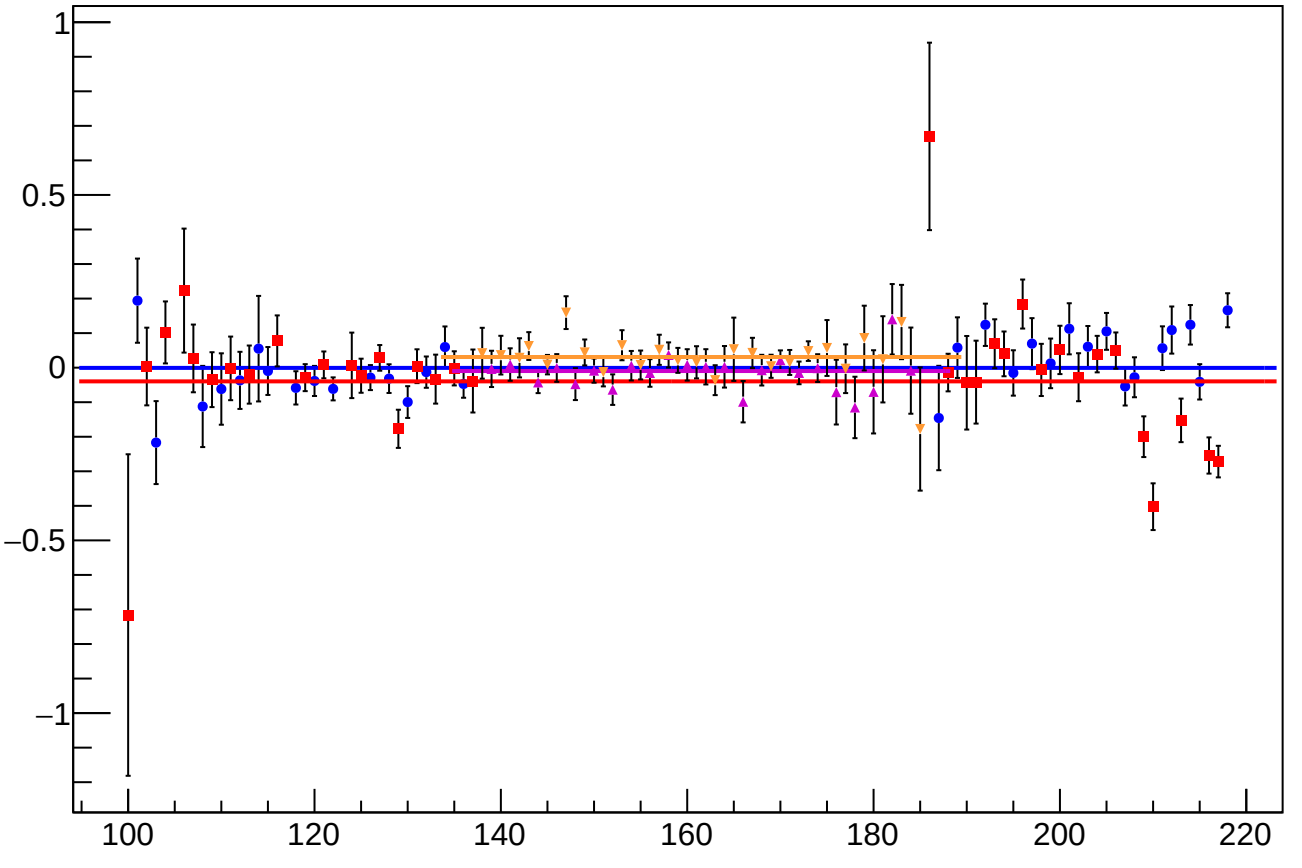
Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

Right: 0.000+/-0.000 χ^2/NDF: 10843871.5/67

In: 0.000+/-0.000 χ^2/NDF:11083618.2/54

Out: 0.000+/-0.000 χ^2/NDF:12490876.4/60

All: 0.000+/-0.000 χ^2/NDF: 23606881.6/115



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: -0.040+/-0.011 χ^2/NDF: 132.8/35

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

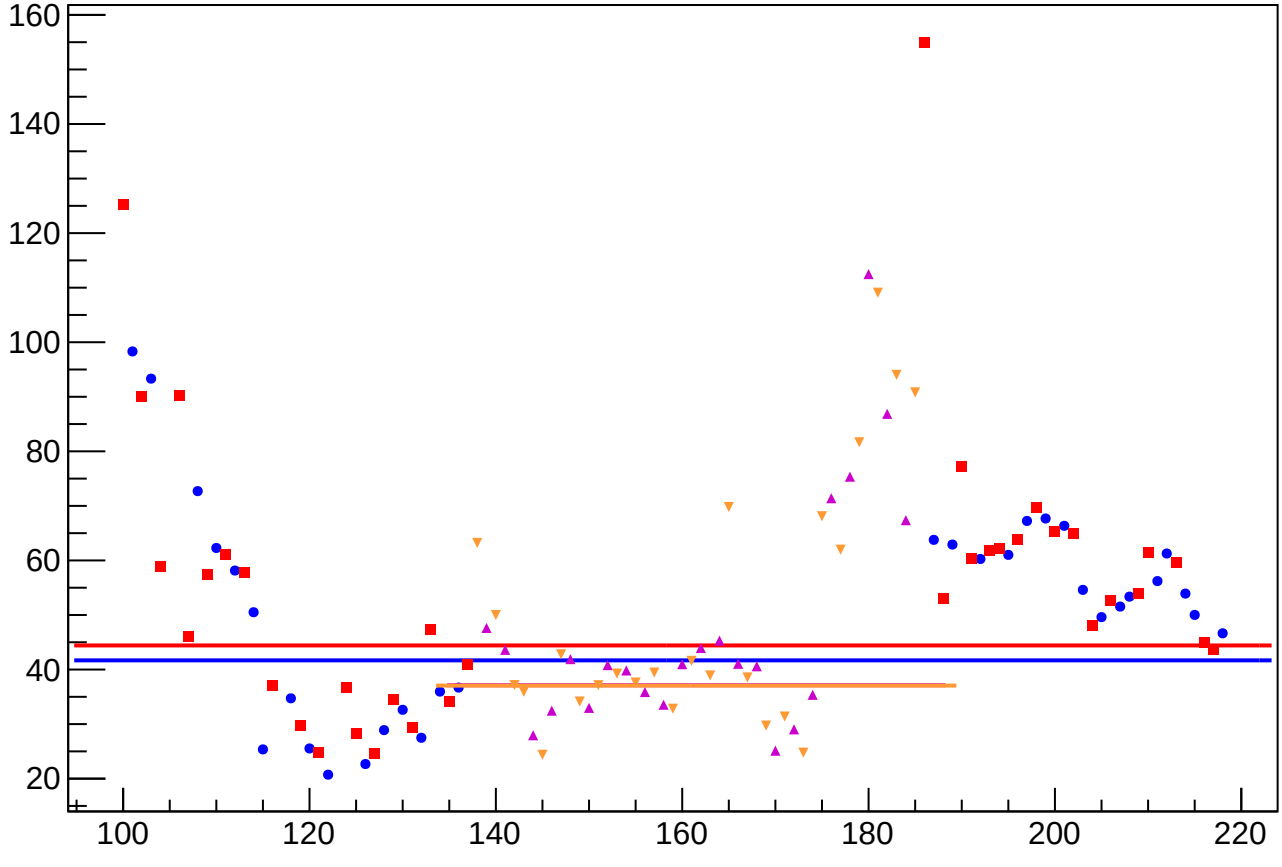
Right: -0.019+/-0.007 χ^2/NDF: 196.3/67

In: -0.006+/-0.007 χ^2/NDF:70.0/54

Out: 0.001+/-0.007 χ^2/NDF:176.2/60

All: -0.002+/-0.005 χ^2/NDF: 246.7/115

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: 44.418+/-0.007 χ^2/NDF: 4587205.1/35

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

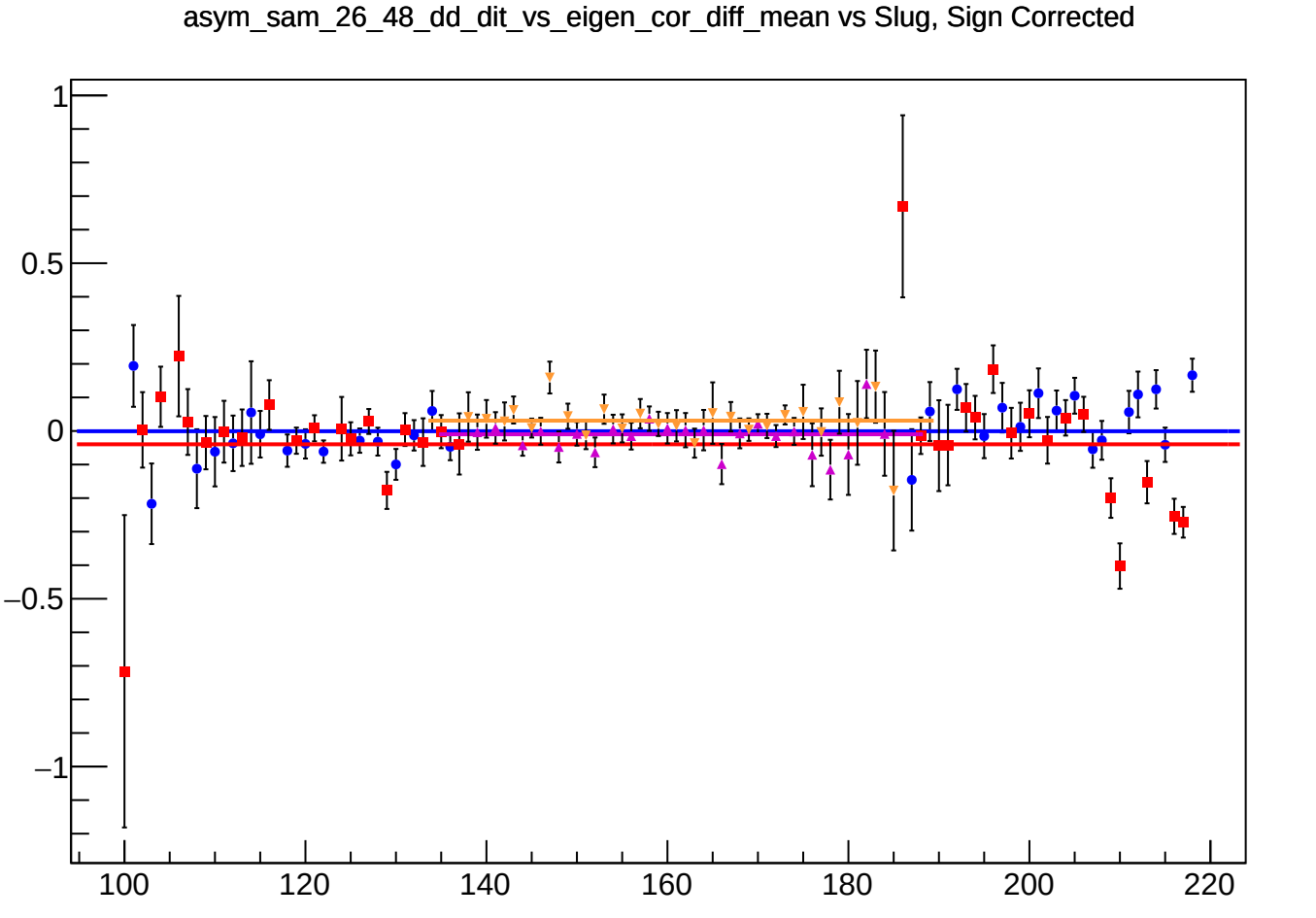
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 42.991+/-0.005 χ^2/NDF: 10007081.7/67

In: 39.239+/-0.005 χ^2/NDF:8581447.4/54

Out: 40.212+/-0.005 χ^2/NDF:9198414.3/60

All: 39.723+/-0.003 χ^2/NDF: 17799841.6/115



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: -0.040+/-0.011 χ^2/NDF: 132.8/35

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

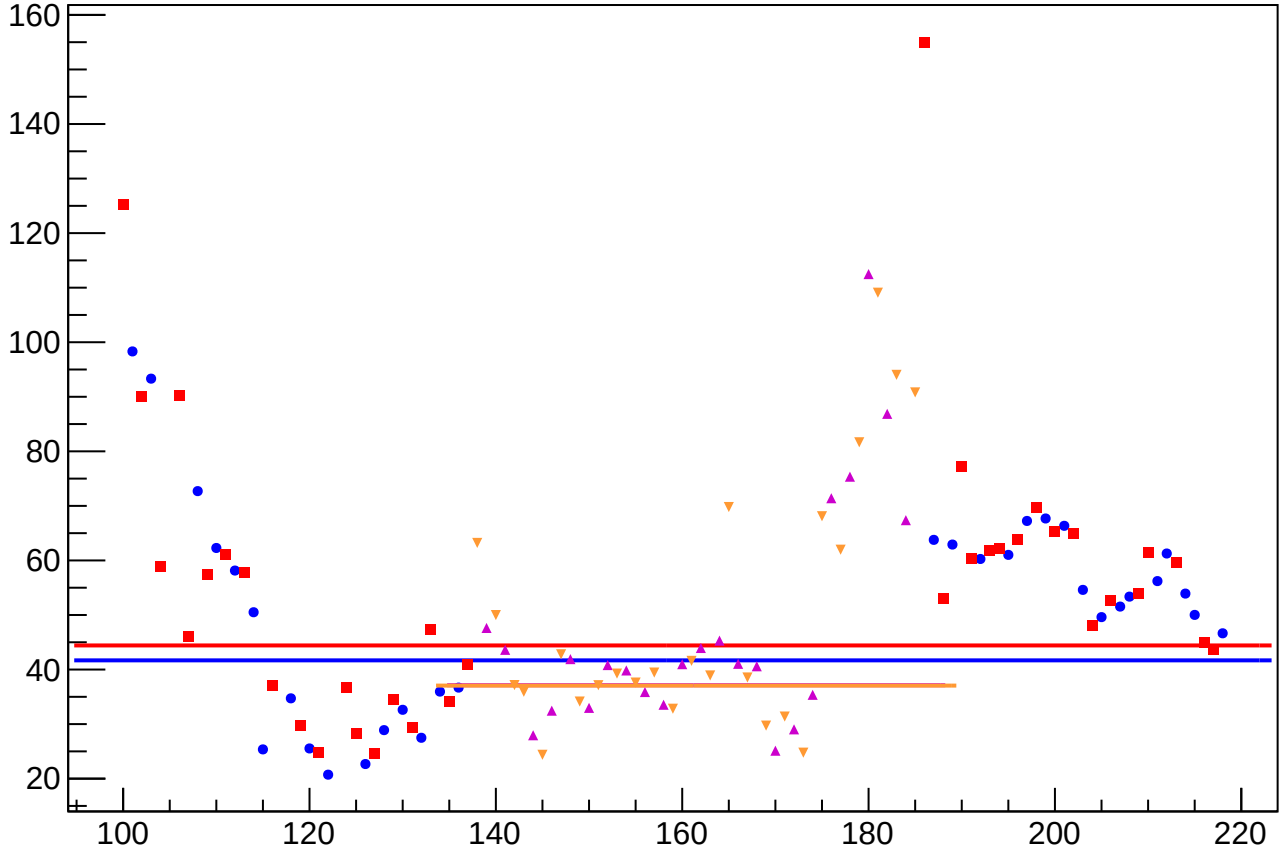
Right: -0.019+/-0.007 χ^2/NDF: 196.3/67

In: -0.006+/-0.007 χ^2/NDF:70.0/54

Out: 0.001+/-0.007 χ^2/NDF:176.2/60

All: -0.002+/-0.005 χ^2/NDF: 246.7/115

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: 44.418+/-0.007 χ^2/NDF: 4587205.1/35

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

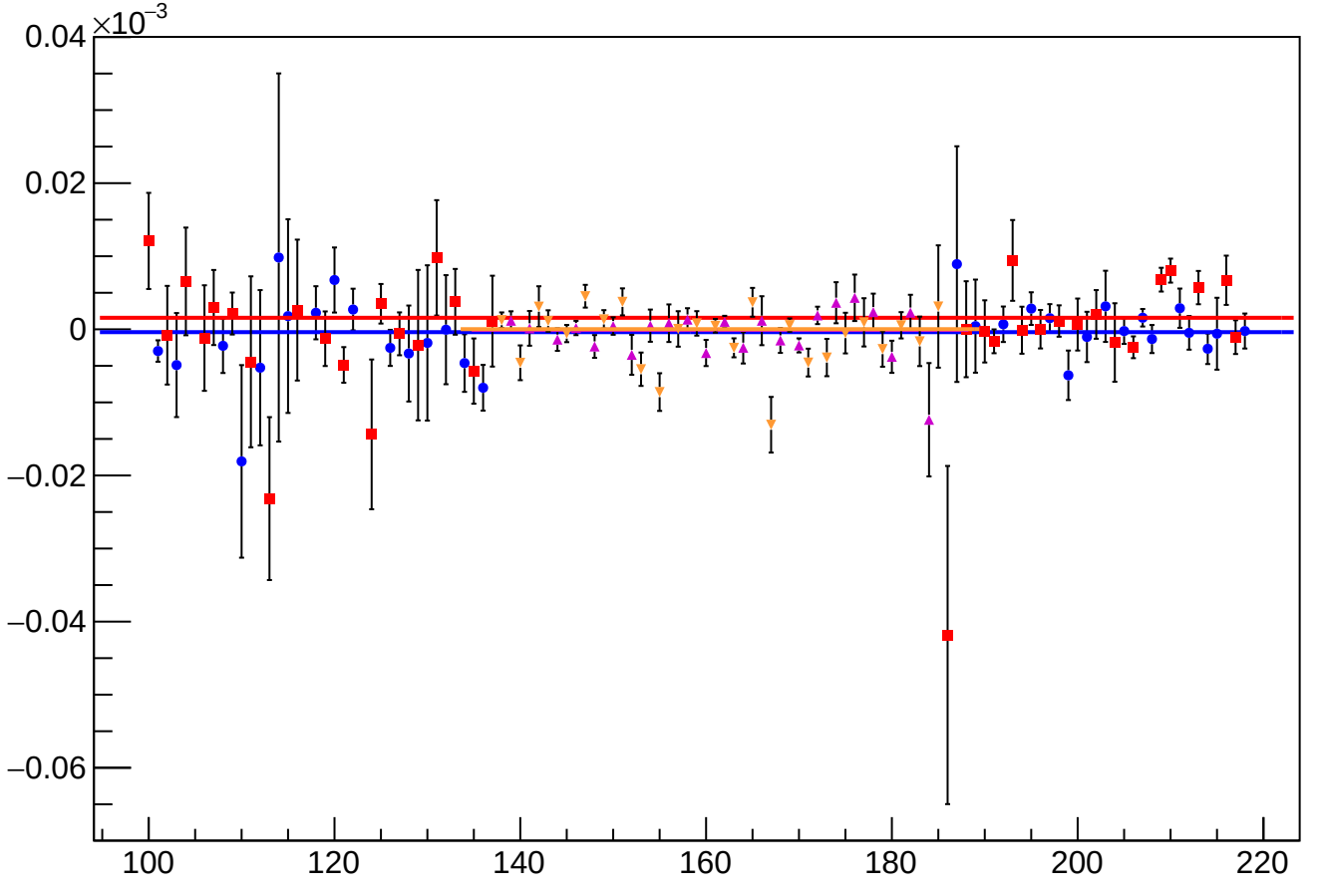
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 42.991+/-0.005 χ^2/NDF: 10007081.7/67

In: 39.239+/-0.005 χ^2/NDF:8581447.4/54

Out: 40.212+/-0.005 χ^2/NDF:9198414.3/60

All: 39.723+/-0.003 χ^2/NDF: 17799841.6/115



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: 74.7/35

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

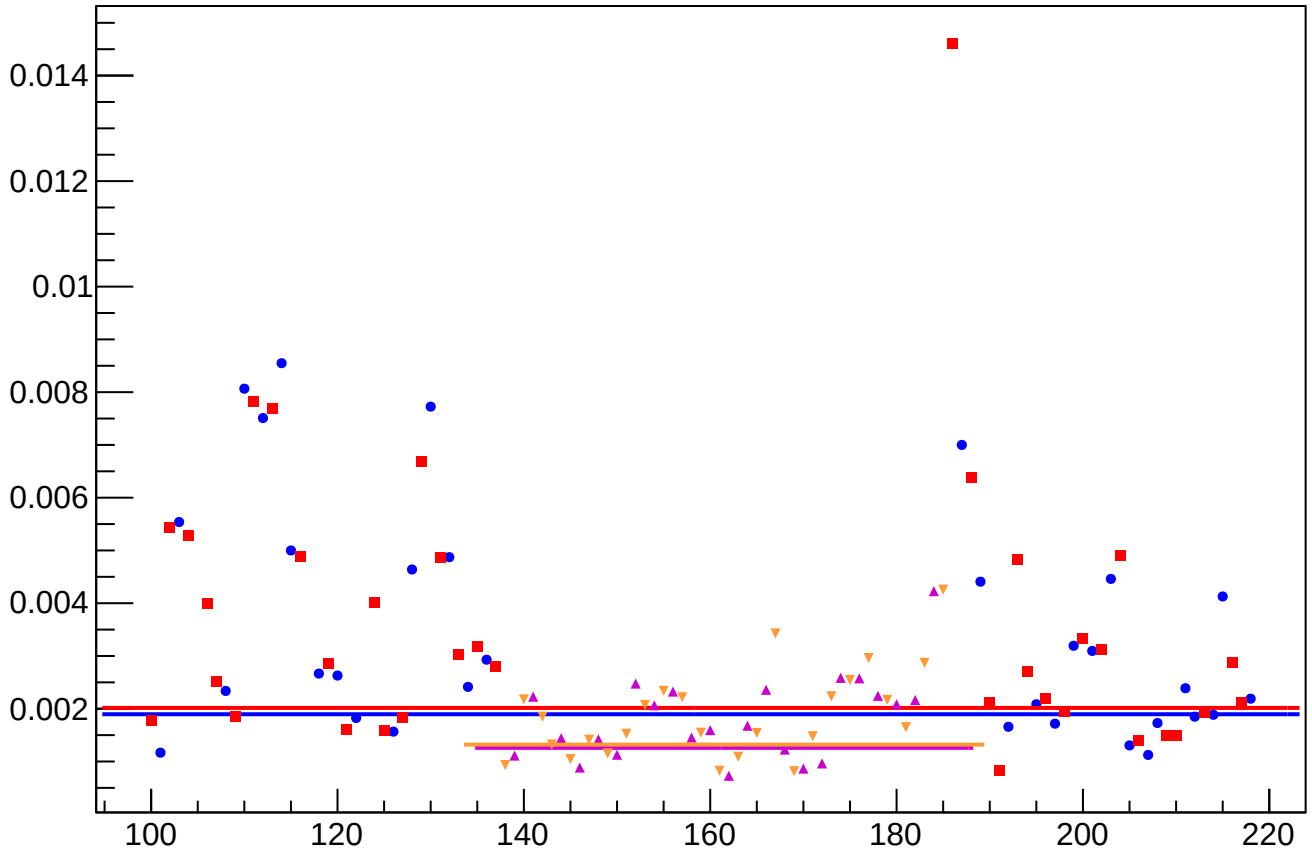
Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

Right: 0.000+/-0.000 χ^2/NDF: 113.4/67

In: -0.000+/-0.000 χ^2/NDF:63.6/54

Out: 0.000+/-0.000 χ^2/NDF:148.7/60

All: 0.000+/-0.000 χ^2/NDF: 215.1/115



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: 8644101.6/35

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

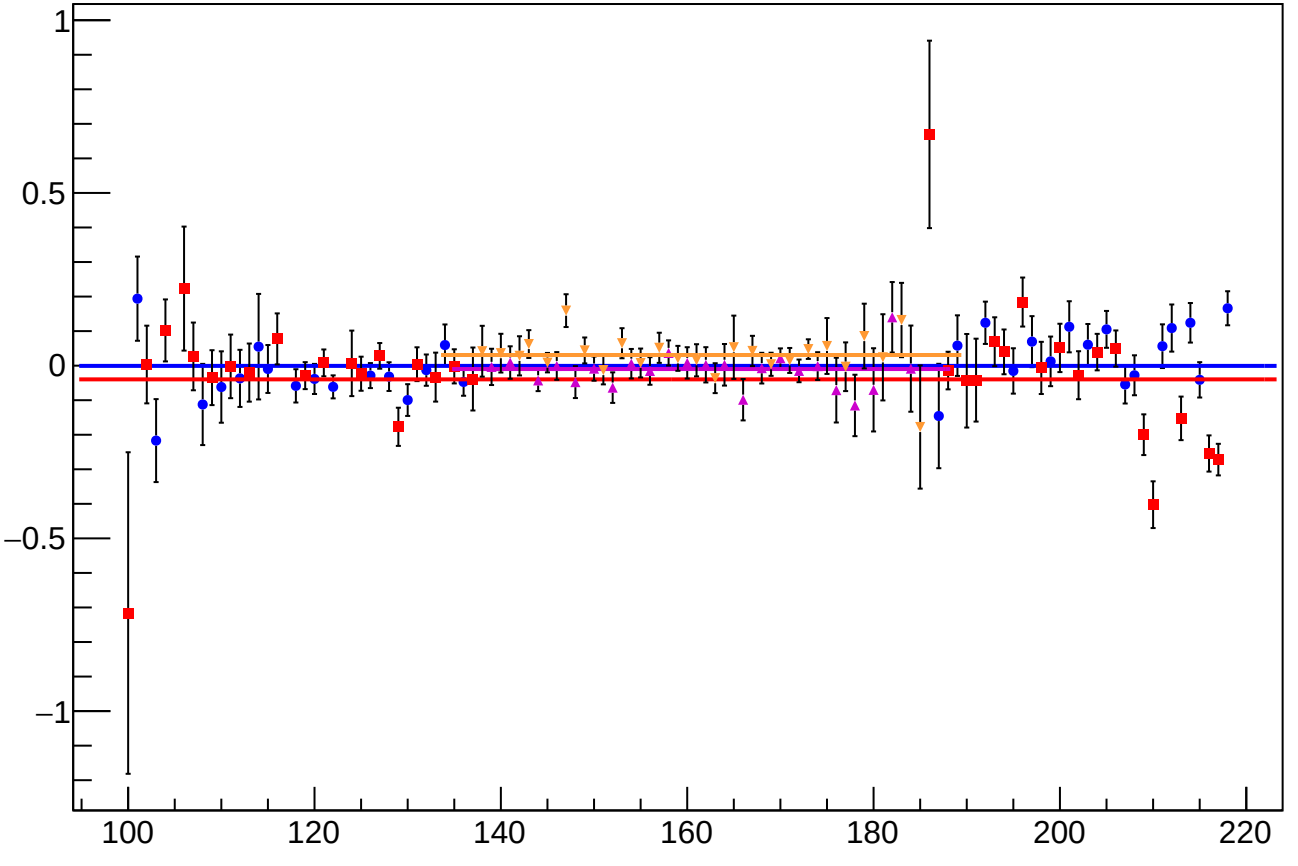
Right: 0.002+/-0.000 χ^2/NDF: 15928487.9/67

In: 0.001+/-0.000 χ^2/NDF:14926563.8/54

Out: 0.002+/-0.000 χ^2/NDF:16842253.1/60

All: 0.001+/-0.000 χ^2/NDF: 31828110.3/115

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.040+/-0.011 χ^2/NDF: 132.8/35

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

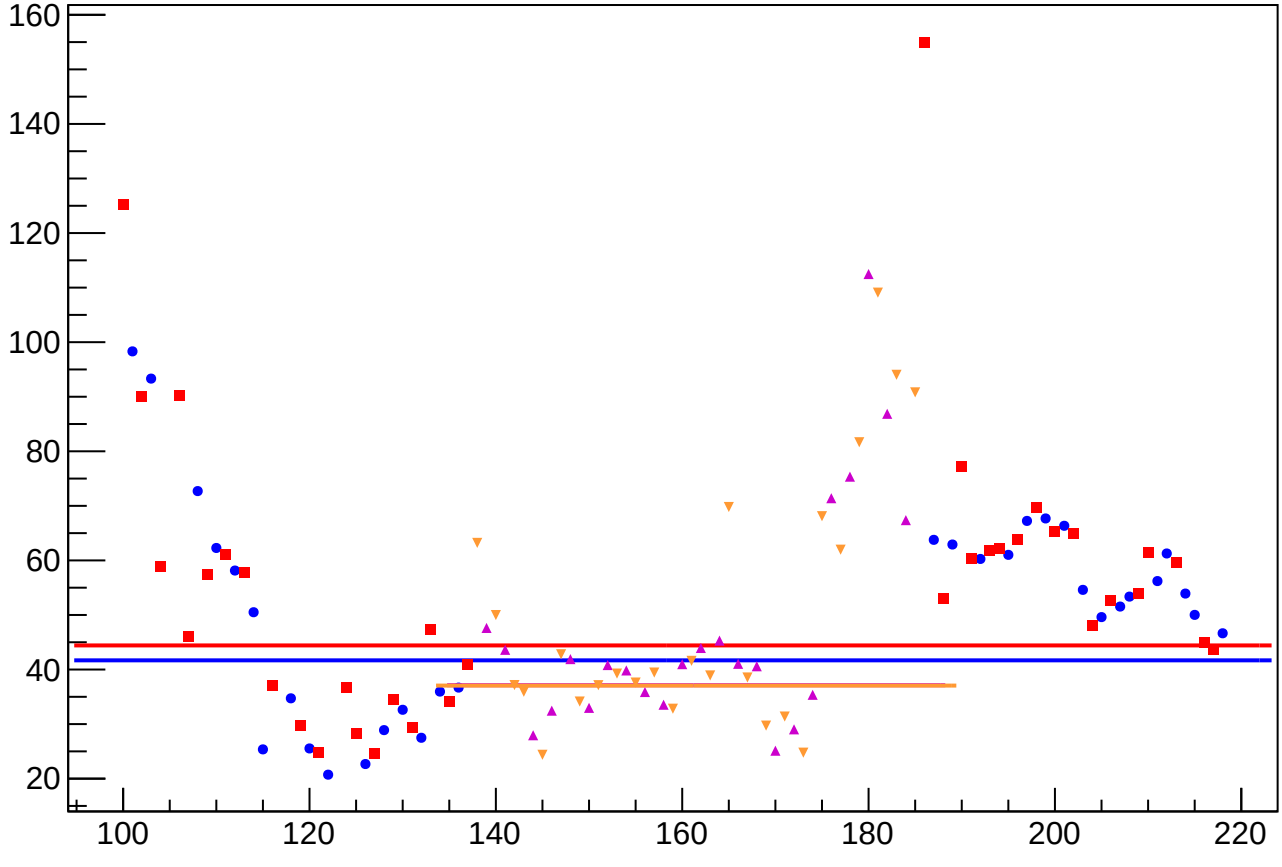
Right: -0.019+/-0.007 χ^2/NDF: 196.3/67

In: -0.006+/-0.007 χ^2/NDF:70.0/54

Out: 0.001+/-0.007 χ^2/NDF:176.2/60

All: -0.002+/-0.005 χ^2/NDF: 246.7/115

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: 44.418+/-0.007 χ^2/NDF: 4586986.4/35

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

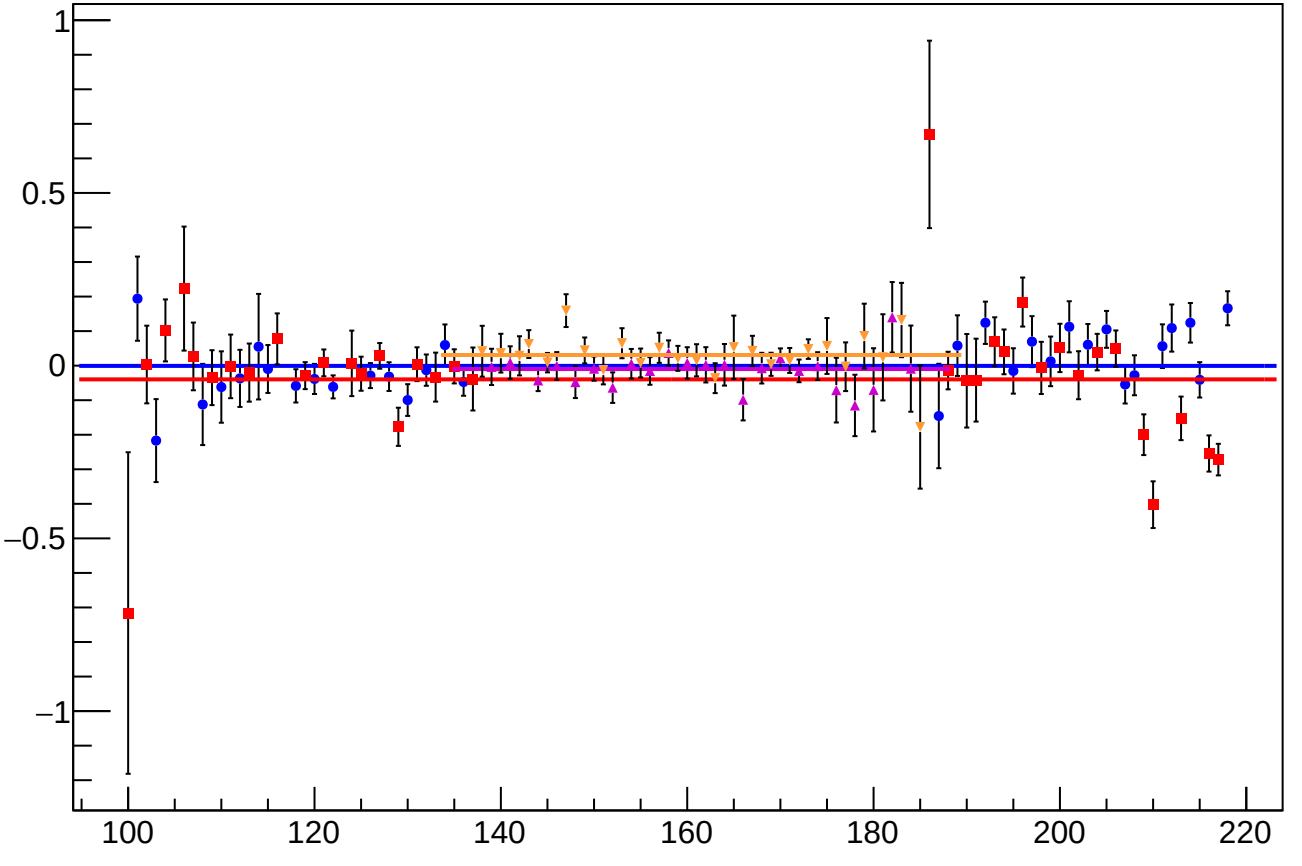
Right: 42.992+/-0.005 χ^2/NDF: 10006731.9/67

In: 39.239+/-0.005 χ^2/NDF:8581320.3/54

Out: 40.212+/-0.005 χ^2/NDF:9198259.2/60

All: 39.723+/-0.003 χ^2/NDF: 17799559.7/115

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.040+/-0.011 χ^2/NDF: 132.8/35

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

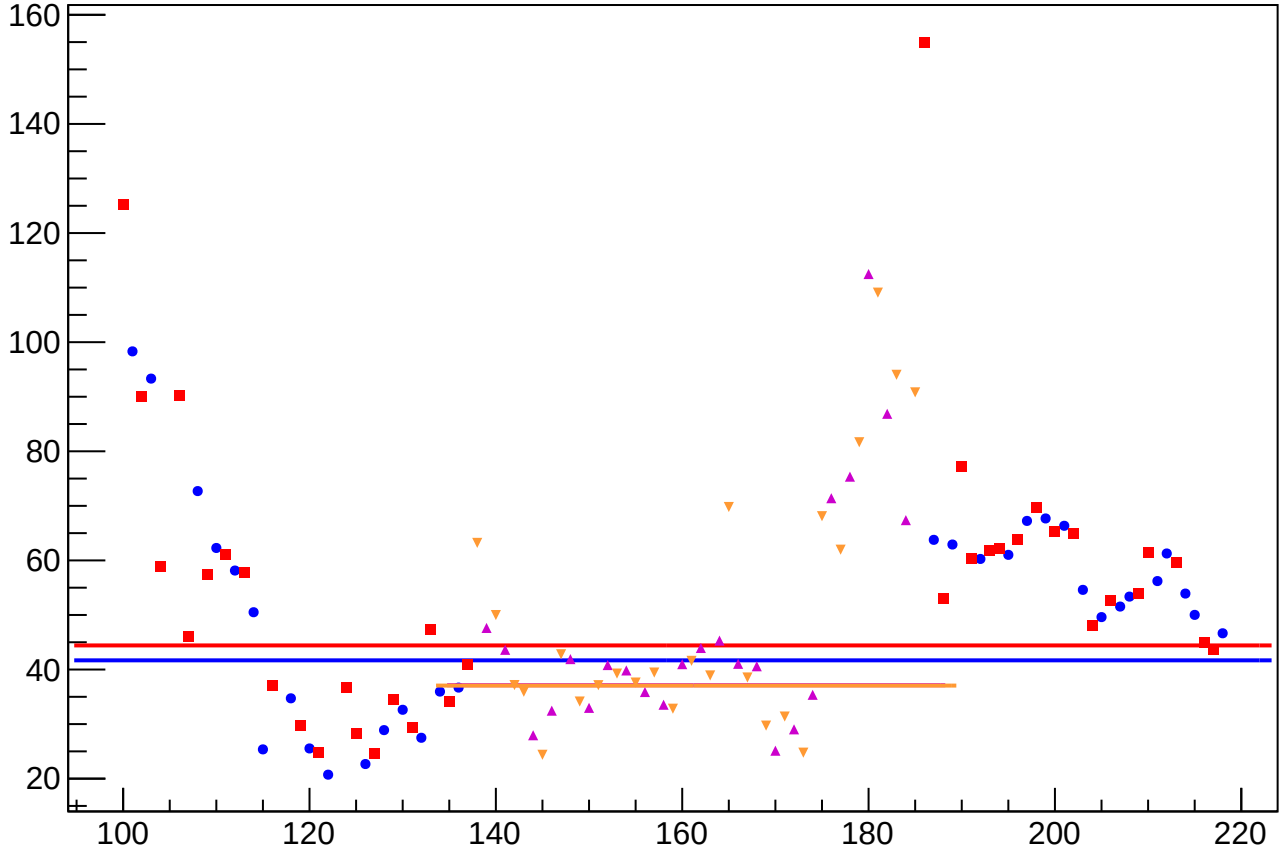
Right: -0.019+/-0.007 χ^2/NDF: 196.3/67

In: -0.006+/-0.007 χ^2/NDF:70.0/54

Out: 0.001+/-0.007 χ^2/NDF:176.2/60

All: -0.002+/-0.005 χ^2/NDF: 246.7/115

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: 44.418+/-0.007 χ^2/NDF: 4586986.4/35

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

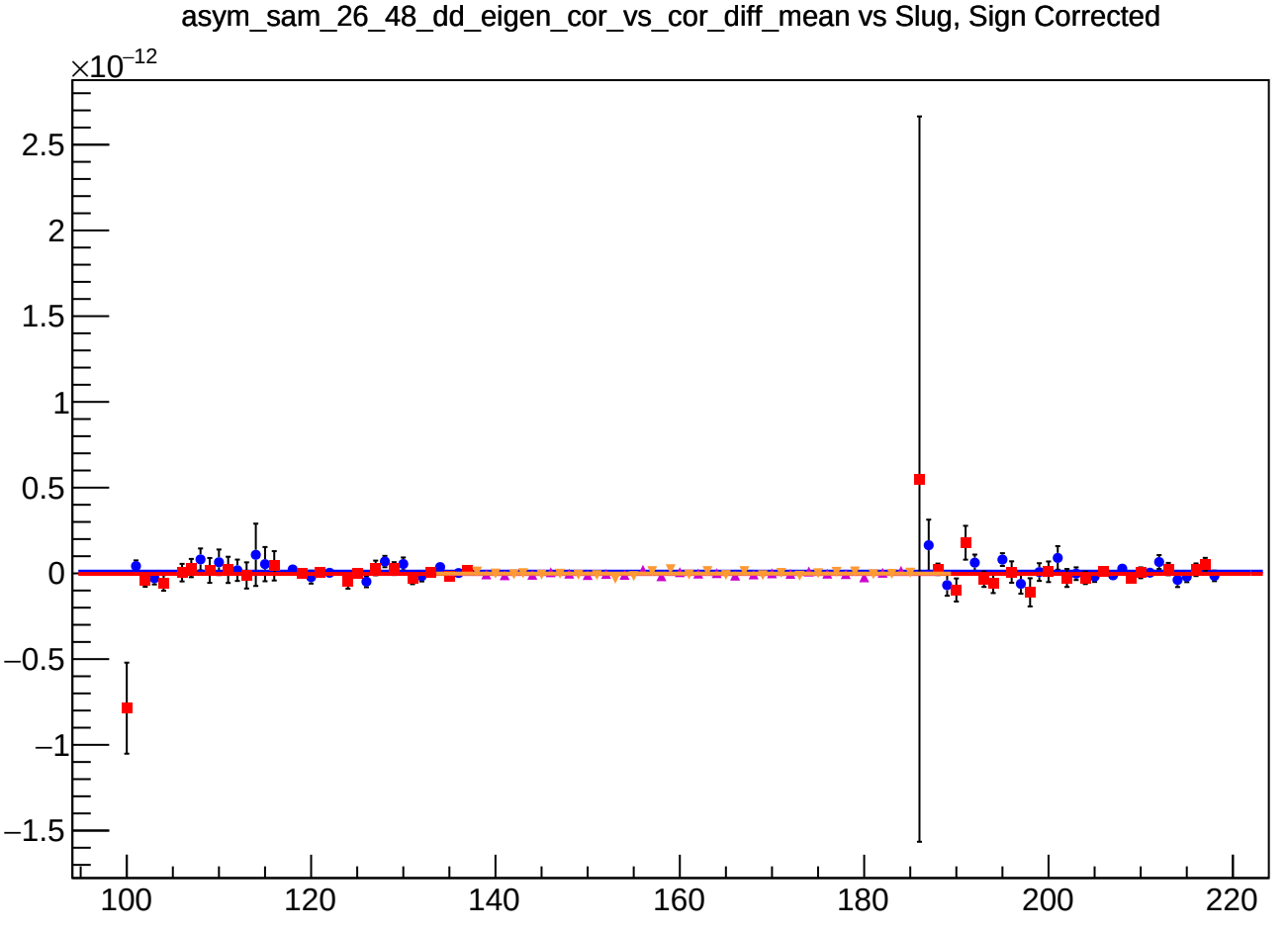
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 42.992+/-0.005 χ^2/NDF: 10006731.9/67

In: 39.239+/-0.005 χ^2/NDF:8581320.3/54

Out: 40.212+/-0.005 χ^2/NDF:9198259.2/60

All: 39.723+/-0.003 χ^2/NDF: 17799559.7/115



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: 32.3/35

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

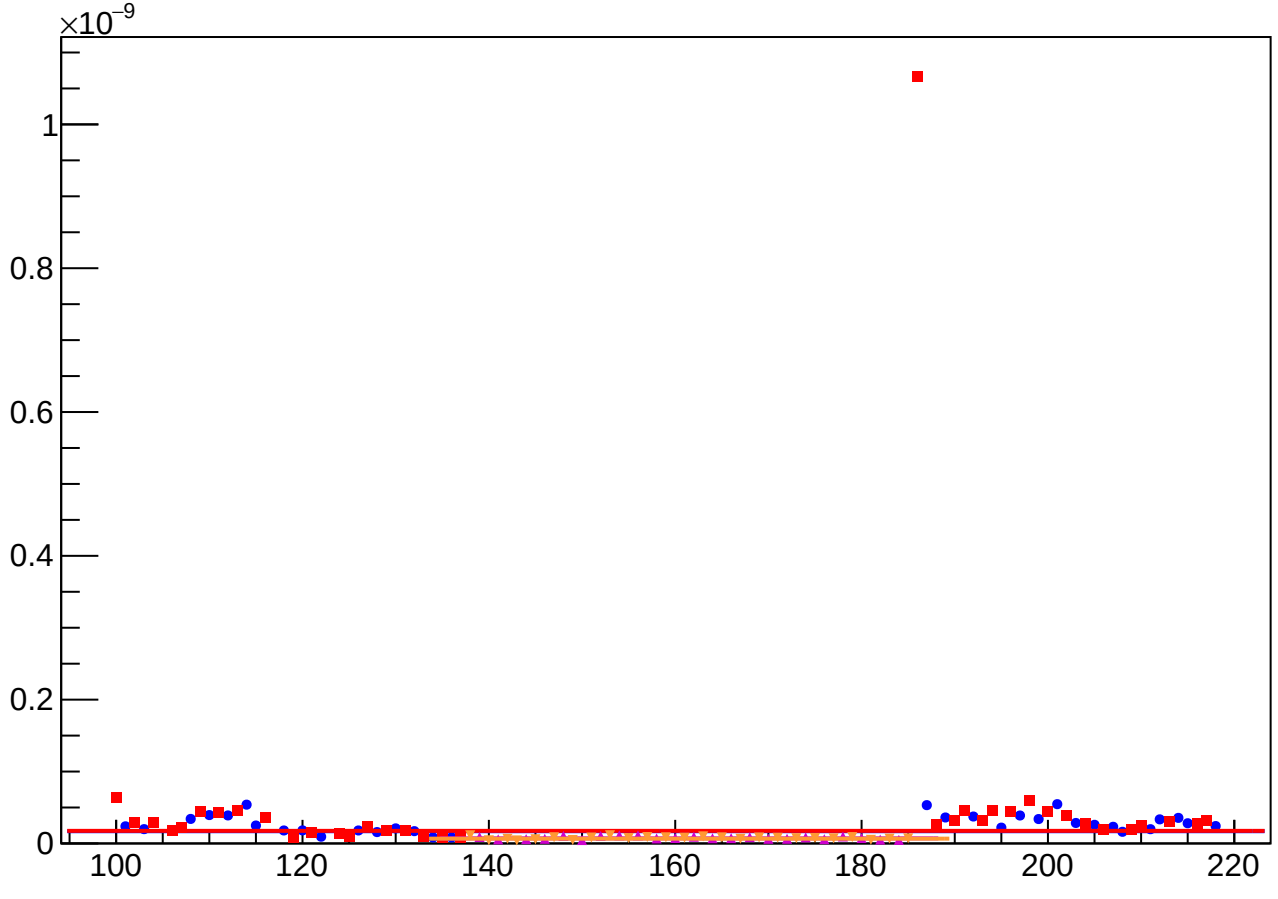
Right: 0.000+/-0.000 χ^2/NDF: 69.7/67

In: -0.000+/-0.000 χ^2/NDF:60.3/54

Out: -0.000+/-0.000 χ^2/NDF:58.4/60

All: -0.000+/-0.000 χ^2/NDF: 118.8/115

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: 8116091.3/35

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

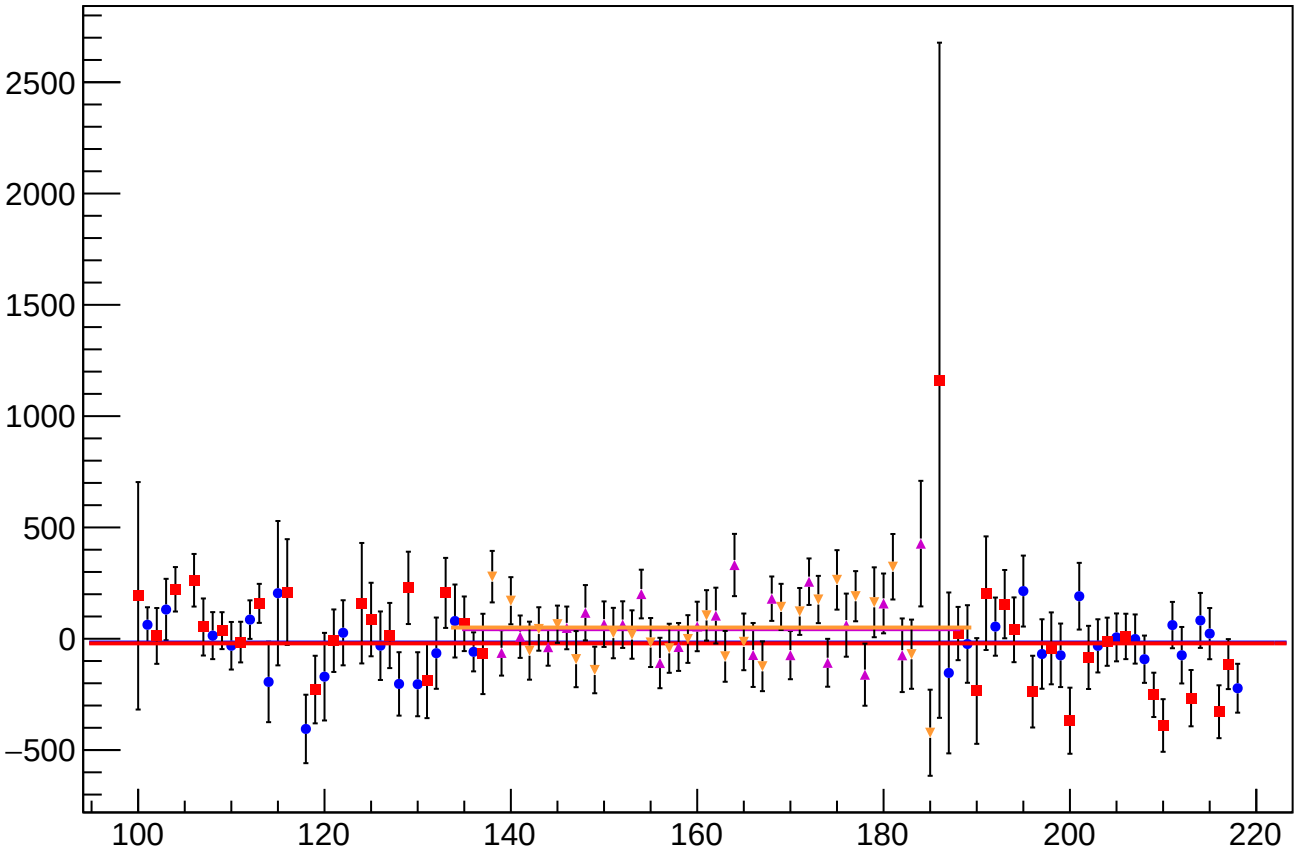
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 14628319.2/67

In: 0.000+/-0.000 χ^2/NDF:14146653.4/54

Out: 0.000+/-0.000 χ^2/NDF:17074871.0/60

All: 0.000+/-0.000 χ^2/NDF: 31308689.7/115



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: -20.745+/-22.098 χ^2/NDF: 64.4/35

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

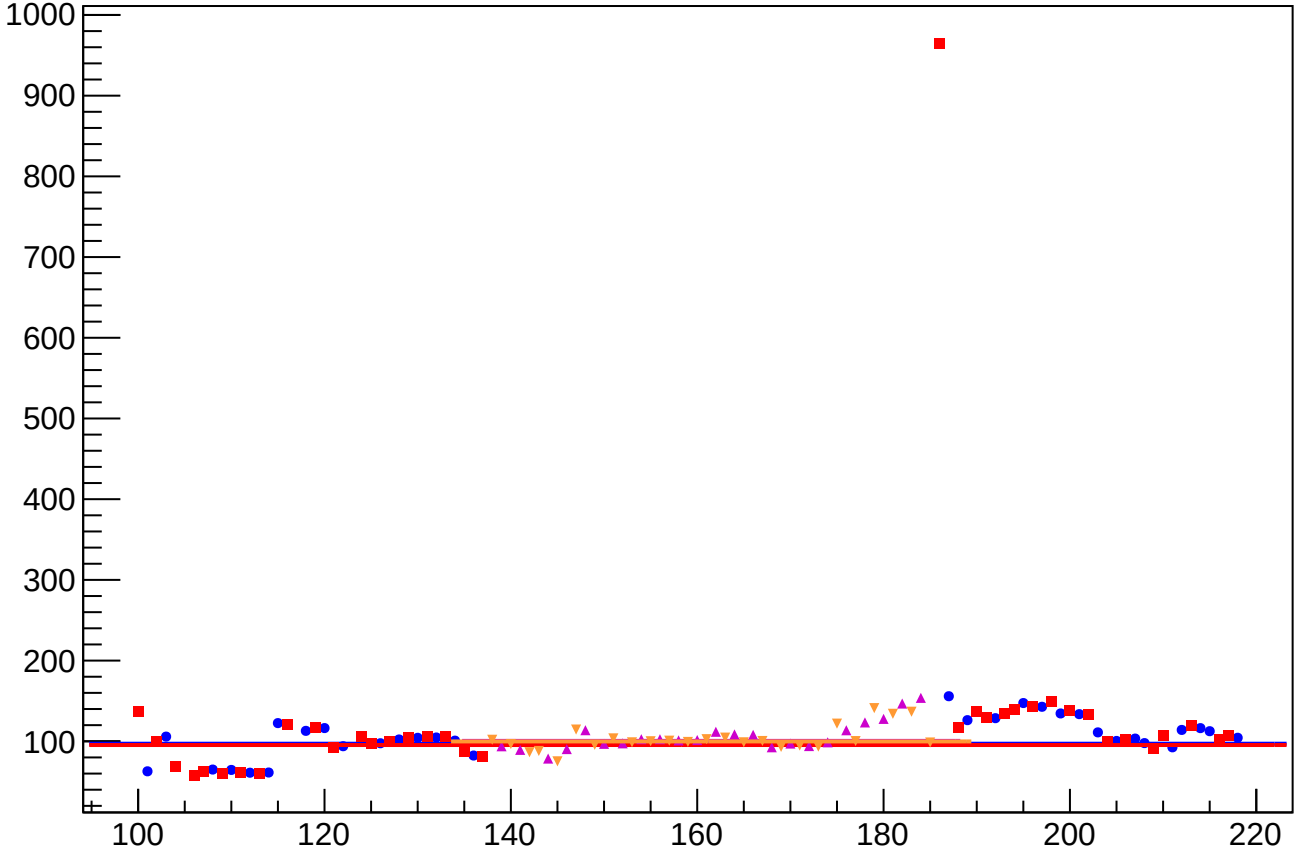
Right: -18.922+/-15.709 χ^2/NDF: 91.1/67

In: 11.132+/-16.274 χ^2/NDF:56.6/54

Out: 13.430+/-15.921 χ^2/NDF:102.9/60

All: 12.306+/-11.381 χ^2/NDF: 159.5/115

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: 95.386+/-0.016 χ^2/NDF: 3568531.2/35

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

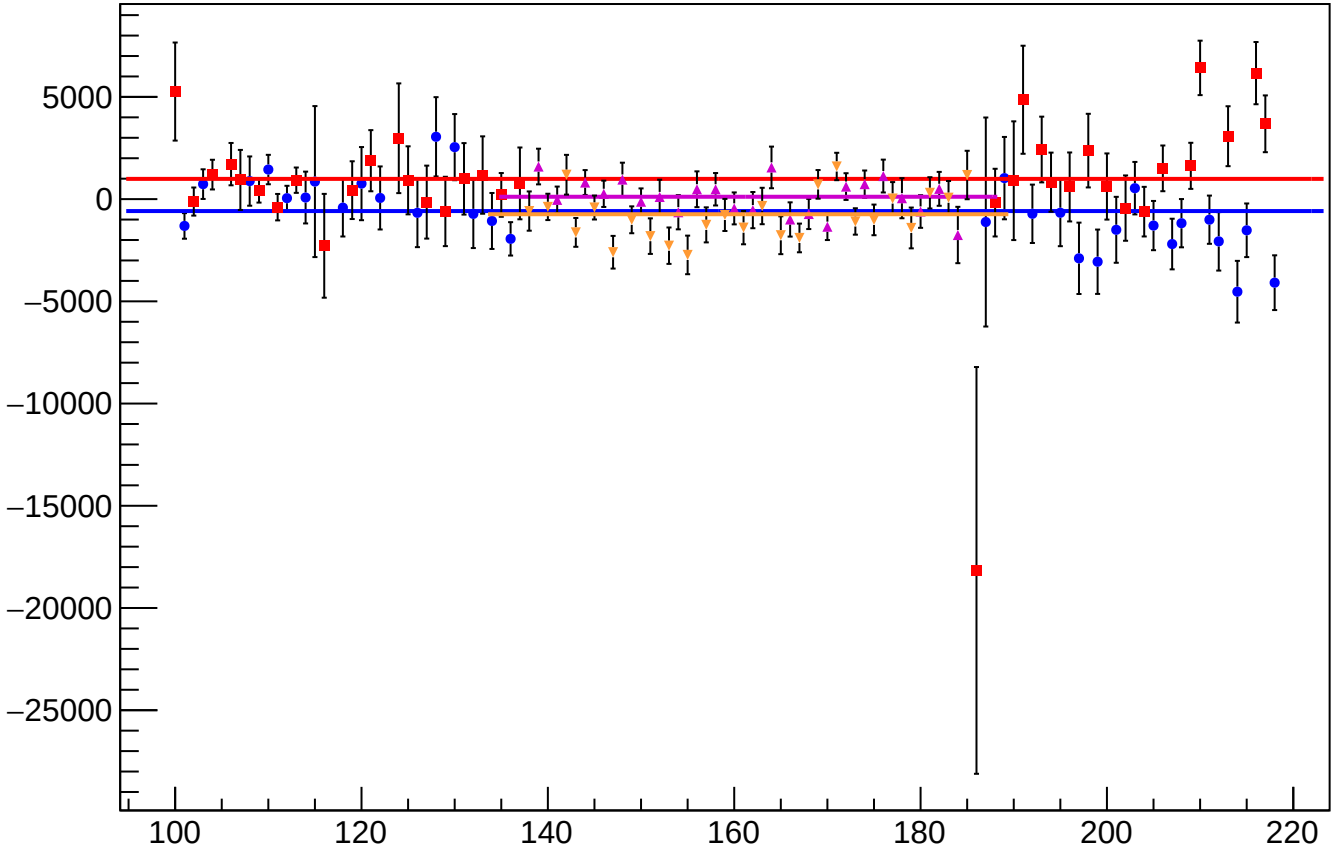
Right: 96.182+/-0.011 χ^2/NDF: 5899930.6/67

In: 98.638+/-0.012 χ^2/NDF:3006097.7/54

Out: 97.528+/-0.011 χ^2/NDF:4305346.5/60

All: 98.071+/-0.008 χ^2/NDF: 7316202.0/115

asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected



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: 990.184+/-200.957 χ^2/NDF: 61.4/35

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

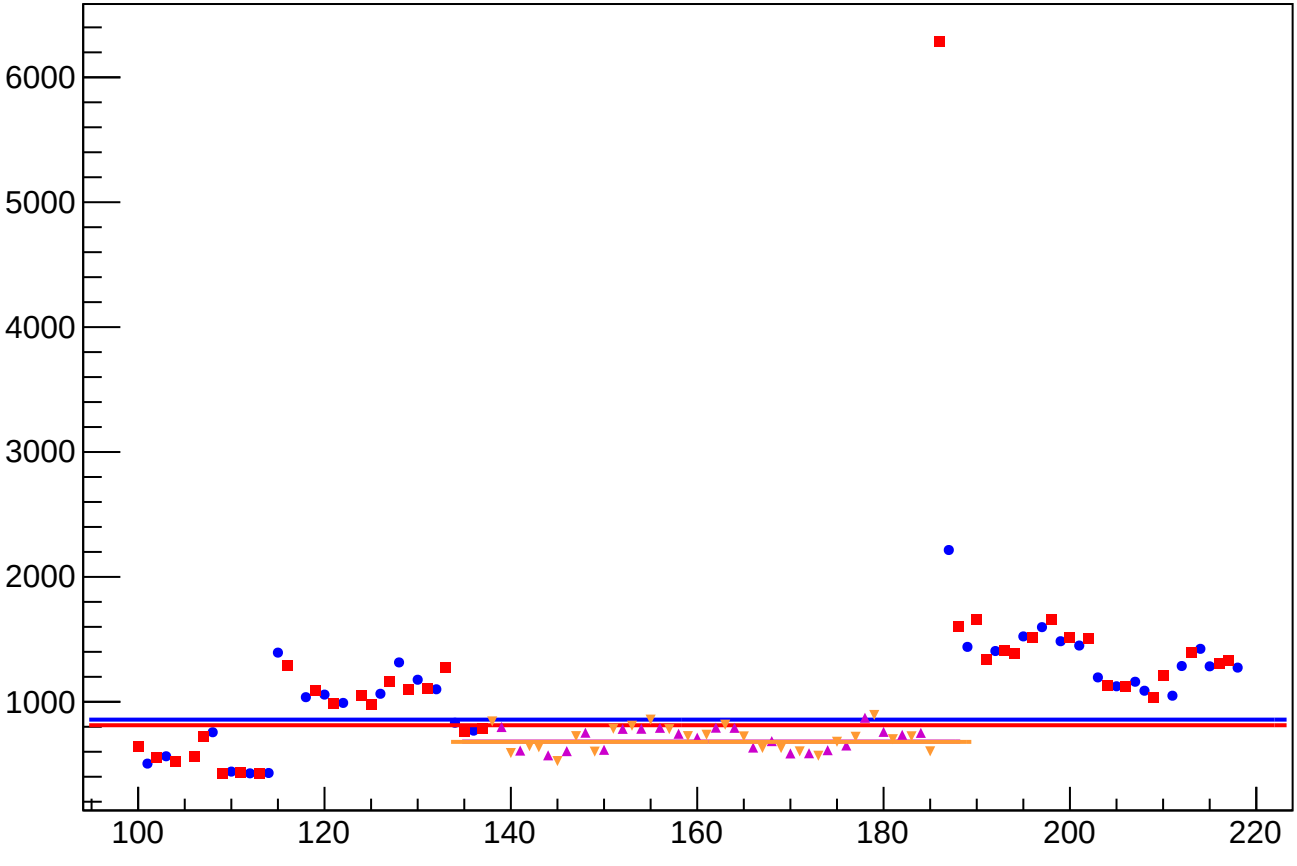
Right: 234.598+/-144.911 χ^2/NDF: 141.0/67

In: -144.622+/-127.576 χ^2/NDF:81.0/54

Out: -86.777+/-123.381 χ^2/NDF:157.1/60

All: -114.733+/-88.689 χ^2/NDF: 238.2/115

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 857.372+/-0.148 χ^2/NDF: 6525062.4/31

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 812.365+/-0.142 χ^2/NDF: 8412879.3/35

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

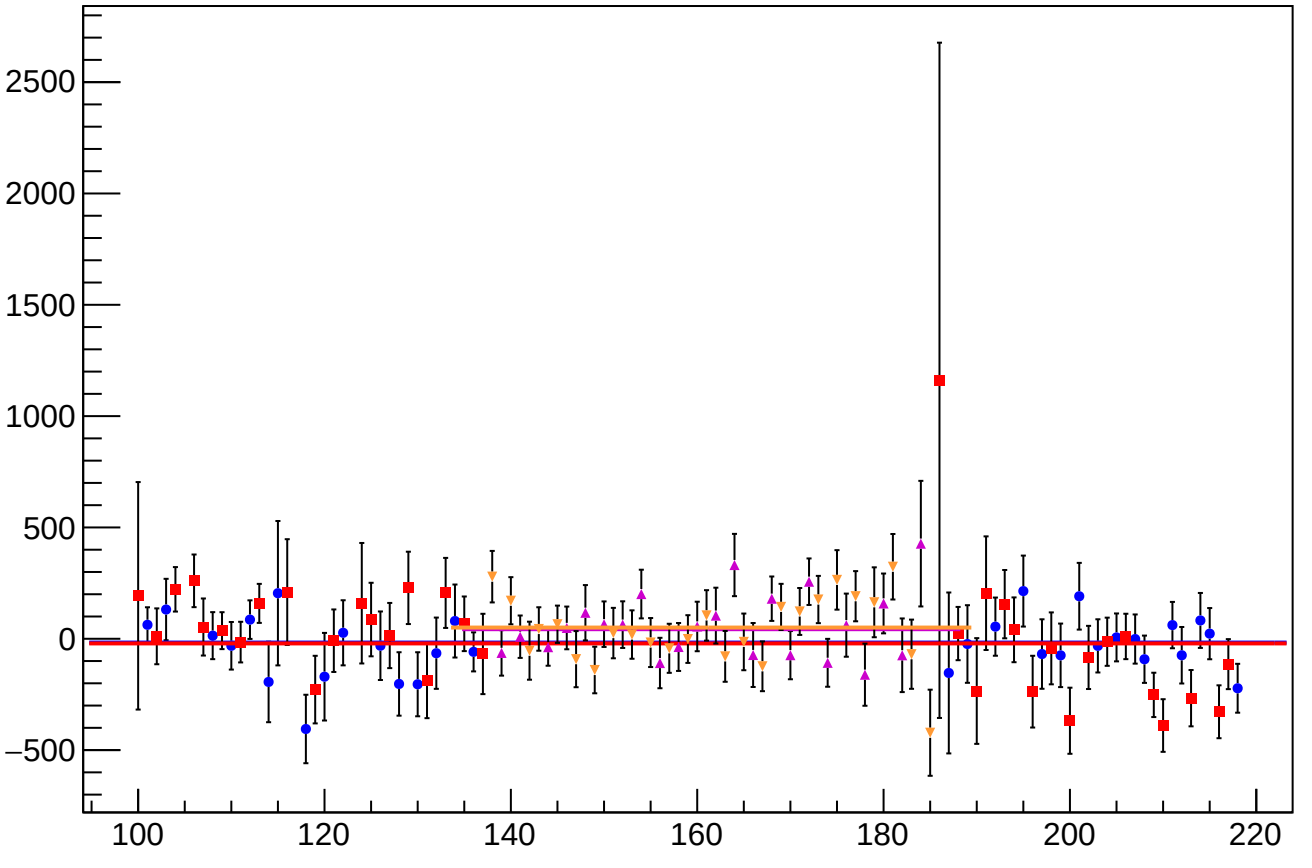
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 833.969+/-0.102 χ^2/NDF: 14986096.4/67

In: 747.177+/-0.090 χ^2/NDF:7982895.4/54

Out: 729.364+/-0.087 χ^2/NDF:9697909.2/60

All: 737.973+/-0.063 χ^2/NDF: 17700951.6/11



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: -20.891+/-22.099 χ^2/NDF: 64.3/35

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

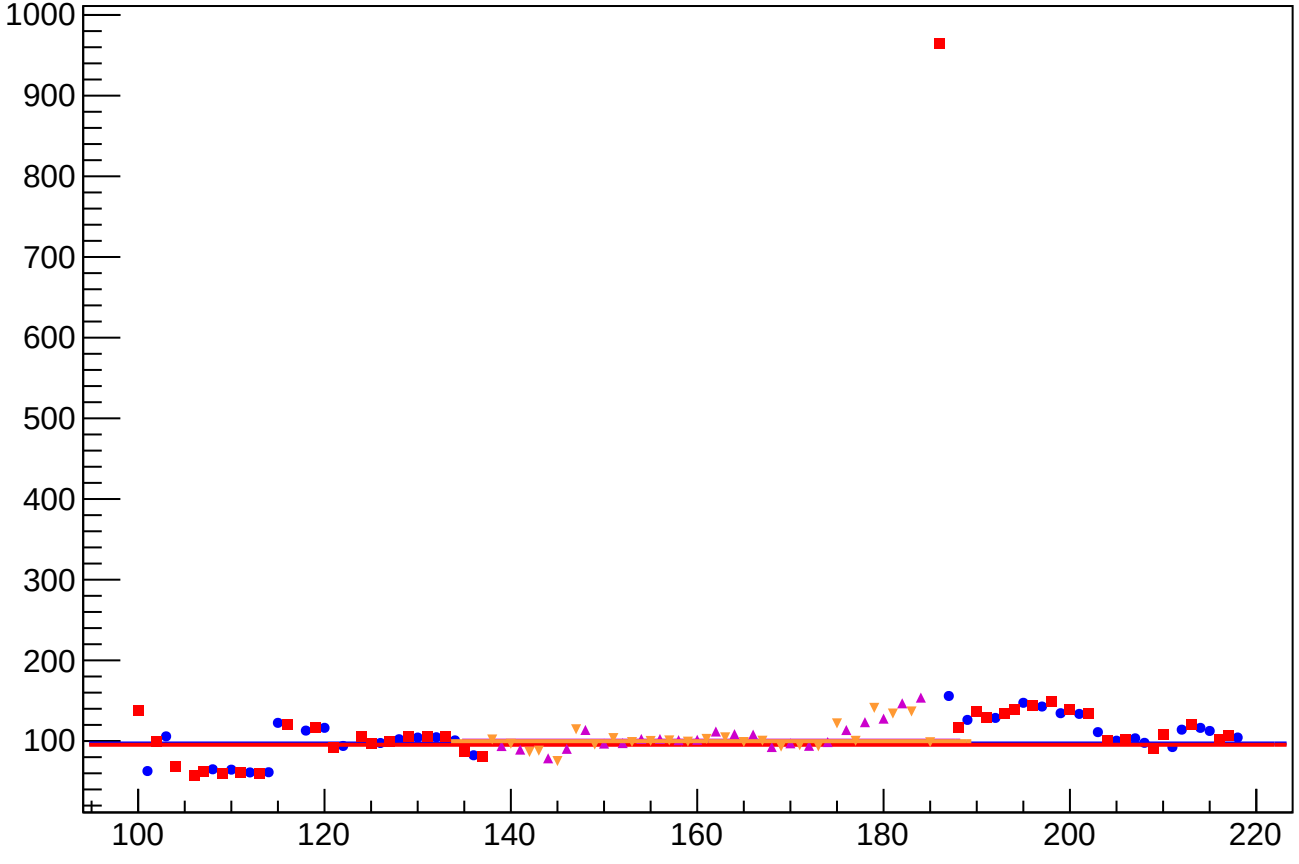
Right: -18.997+/-15.710 χ^2/NDF: 91.0/67

In: 11.131+/-16.274 χ^2/NDF:56.6/54

Out: 13.359+/-15.921 χ^2/NDF:102.8/60

All: 12.270+/-11.381 χ^2/NDF: 159.4/115

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: 95.377+/-0.016 χ^2/NDF: 3572012.0/35

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

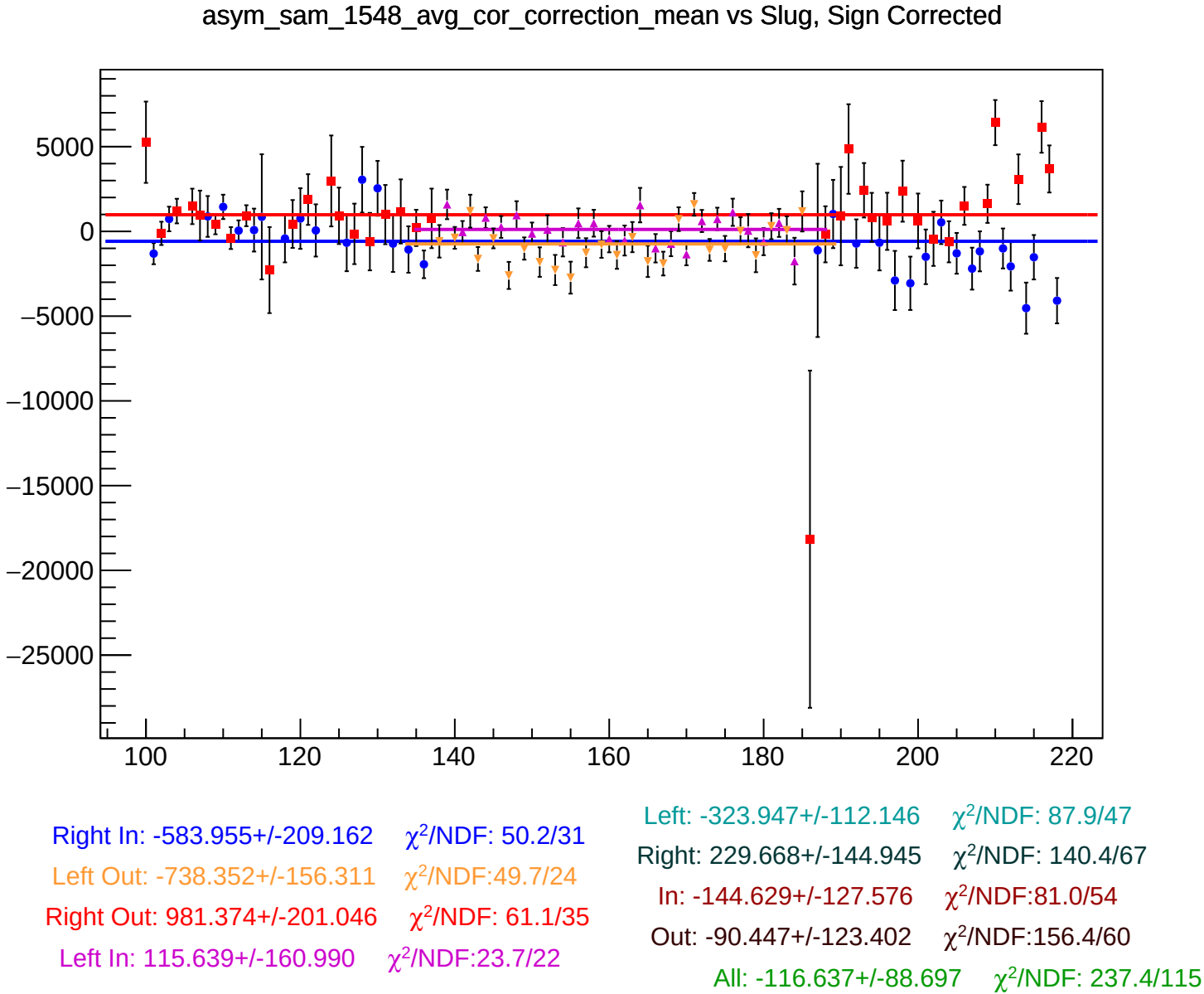
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 96.177+/-0.011 χ^2/NDF: 5903471.1/67

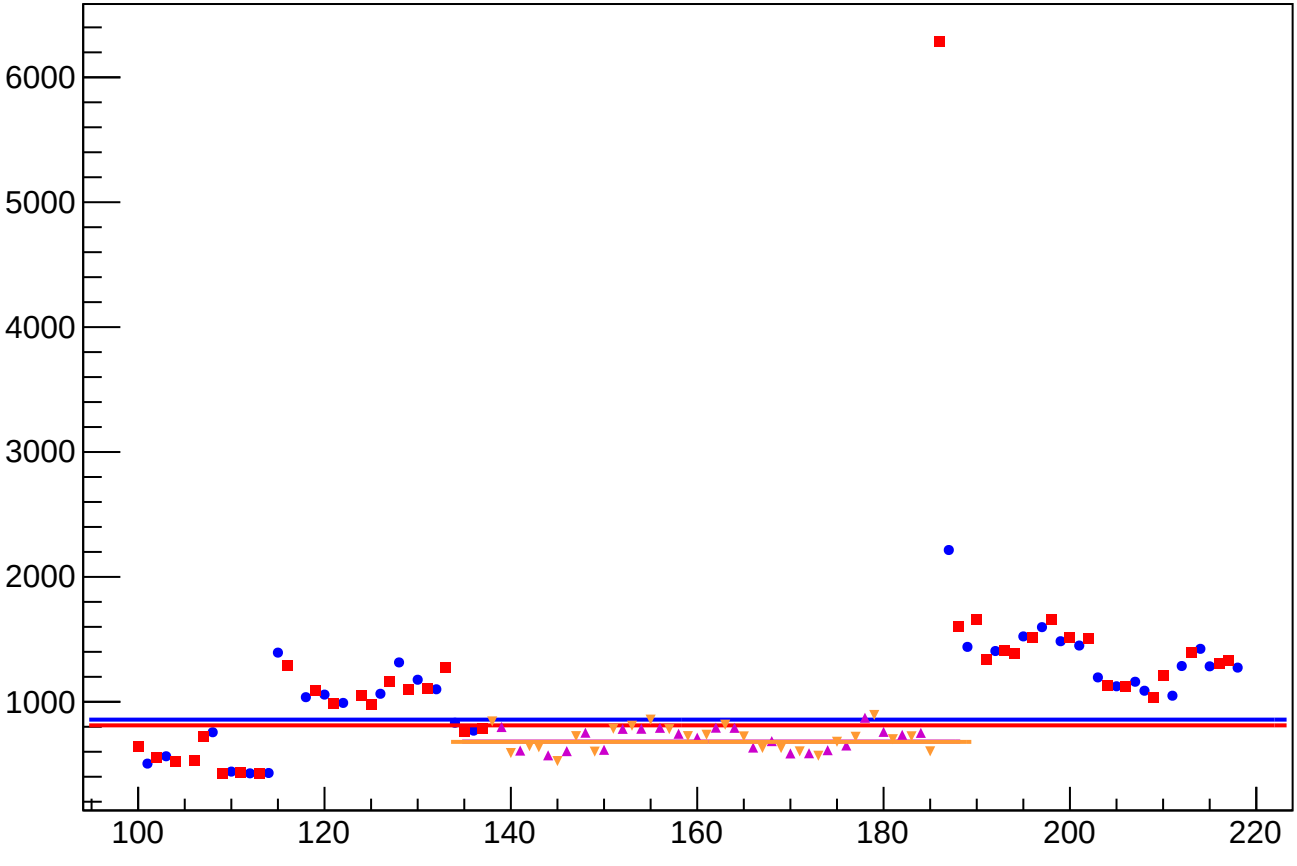
In: 98.638+/-0.012 χ^2/NDF:3006098.6/54

Out: 97.523+/-0.011 χ^2/NDF:4308984.3/60

All: 98.069+/-0.008 χ^2/NDF: 7319880.2/115


asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
220
Right In: -583.955+/-209.162 χ²/NDF: 50.2/31
Left Out: -738.352+/-156.311 χ²/NDF:49.7/24
Right Out: 981.374+/-201.046 χ²/NDF: 61.1/35
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.947+/-112.146 χ²/NDF: 87.9/47
Right: 229.668+/-144.945 χ²/NDF: 140.4/67
In: -144.629+/-127.576 χ²/NDF:81.0/54
Out: -90.447+/-123.402 χ²/NDF:156.4/60
All: -116.637+/-88.697 χ²/NDF: 237.4/115

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



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: 811.359+/-0.142 χ^2/NDF: 8442651.9/35

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

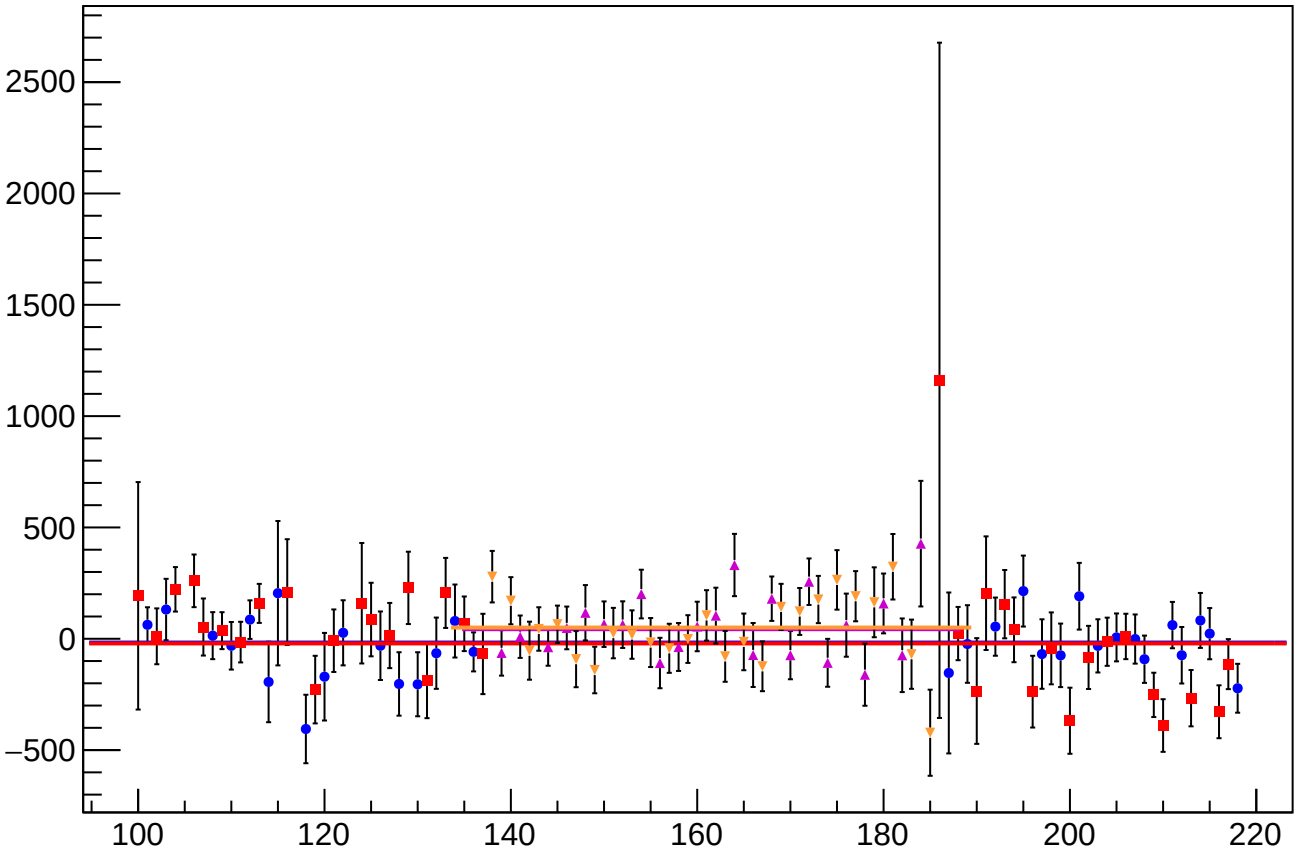
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 833.460+/-0.102 χ^2/NDF: 15017854.5/67

In: 747.180+/-0.090 χ^2/NDF:7982791.7/54

Out: 728.957+/-0.087 χ^2/NDF:9719142.7/60

All: 737.765+/-0.063 χ^2/NDF: 17723015.1/11



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: -20.891+/-22.099 χ^2/NDF: 64.3/35

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

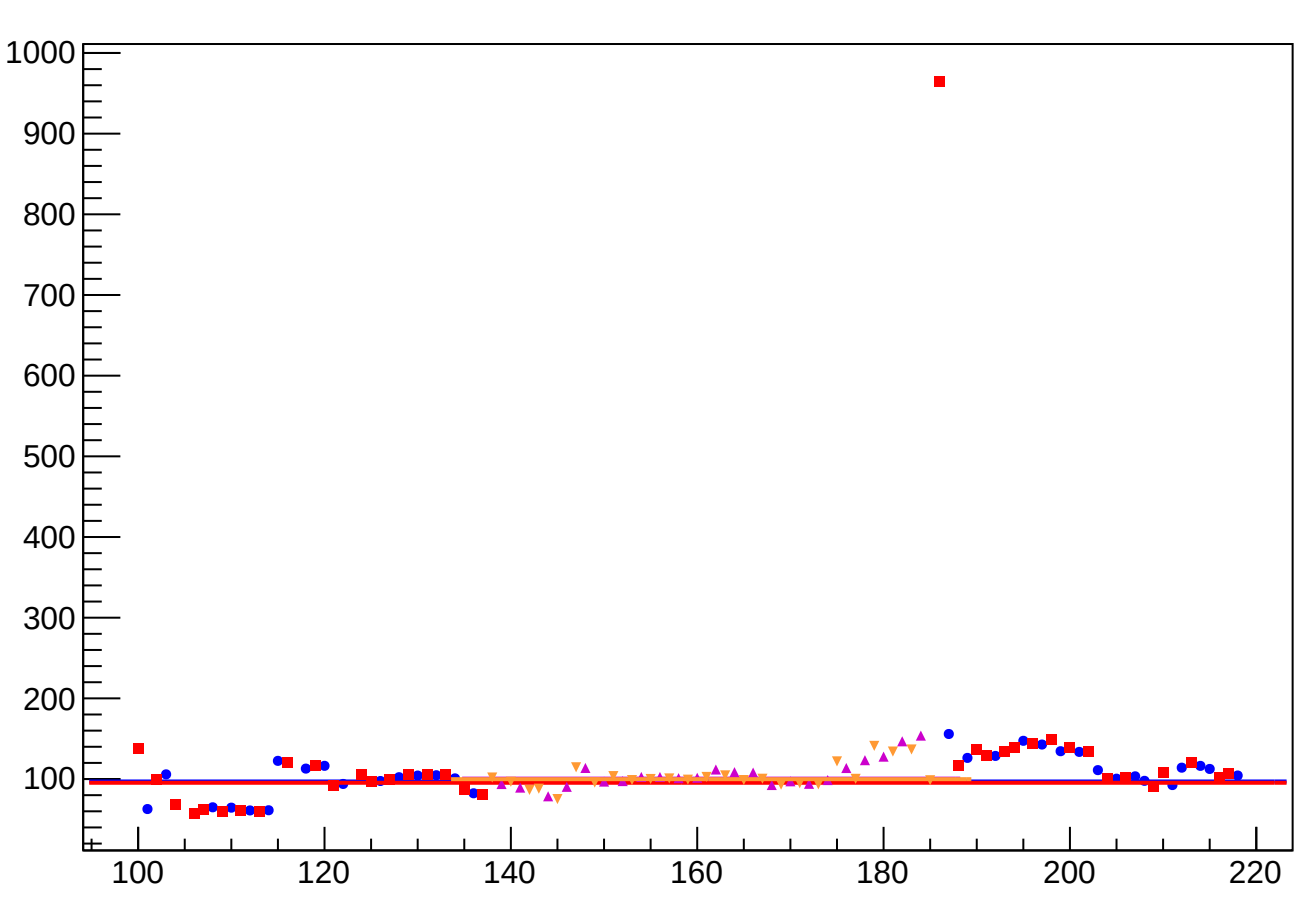
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: -18.997+/-15.710 χ^2/NDF: 91.0/67

In: 11.131+/-16.274 χ^2/NDF:56.6/54

Out: 13.359+/-15.921 χ^2/NDF:102.8/60

All: 12.270+/-11.381 χ^2/NDF: 159.4/115



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: 95.377+/-0.016 χ^2/NDF: 3572012.0/35

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

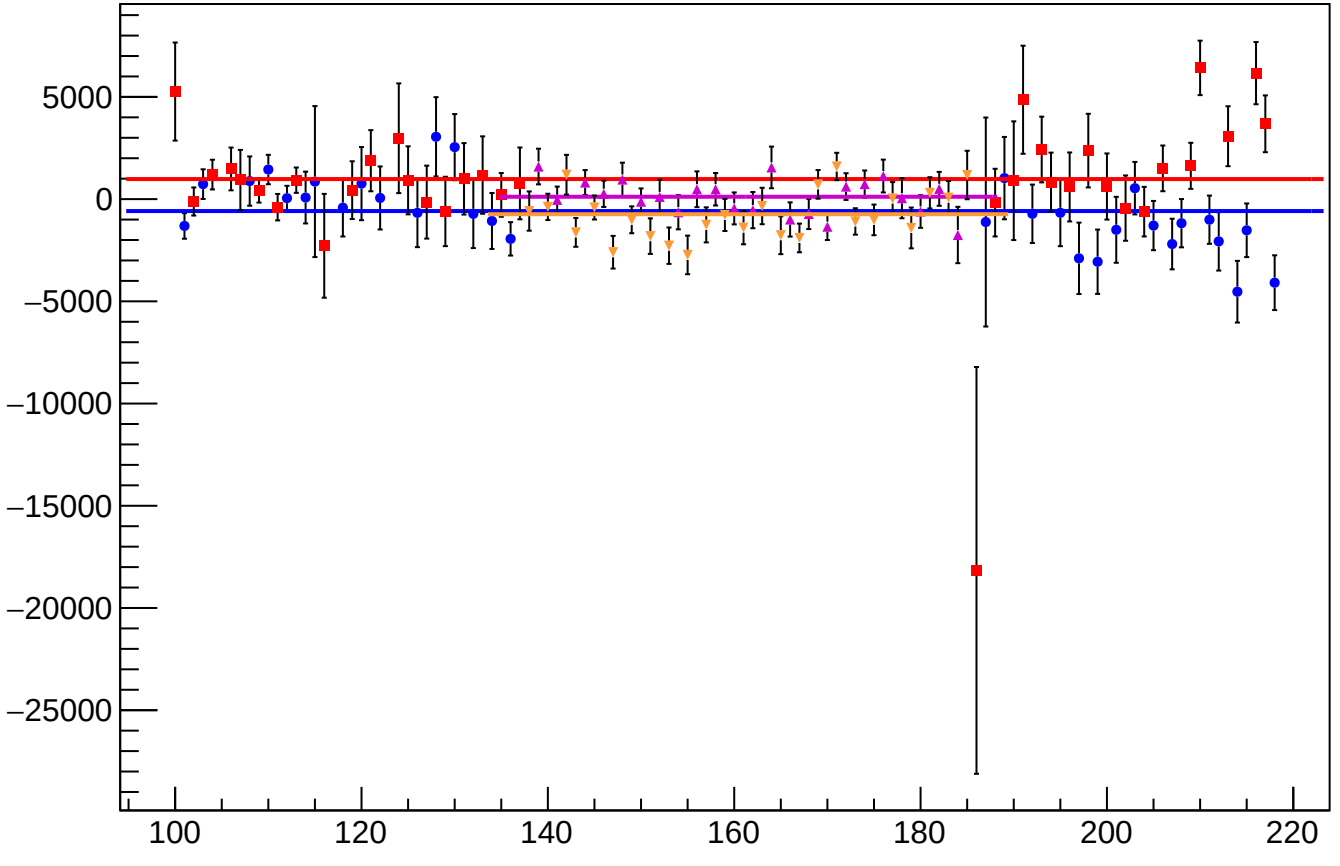
Right: 96.177+/-0.011 χ^2/NDF: 5903471.1/67

In: 98.638+/-0.012 χ^2/NDF:3006098.6/54

Out: 97.523+/-0.011 χ^2/NDF:4308984.3/60

All: 98.069+/-0.008 χ^2/NDF: 7319880.2/115

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: 981.374+/-201.046 χ^2/NDF: 61.1/35

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

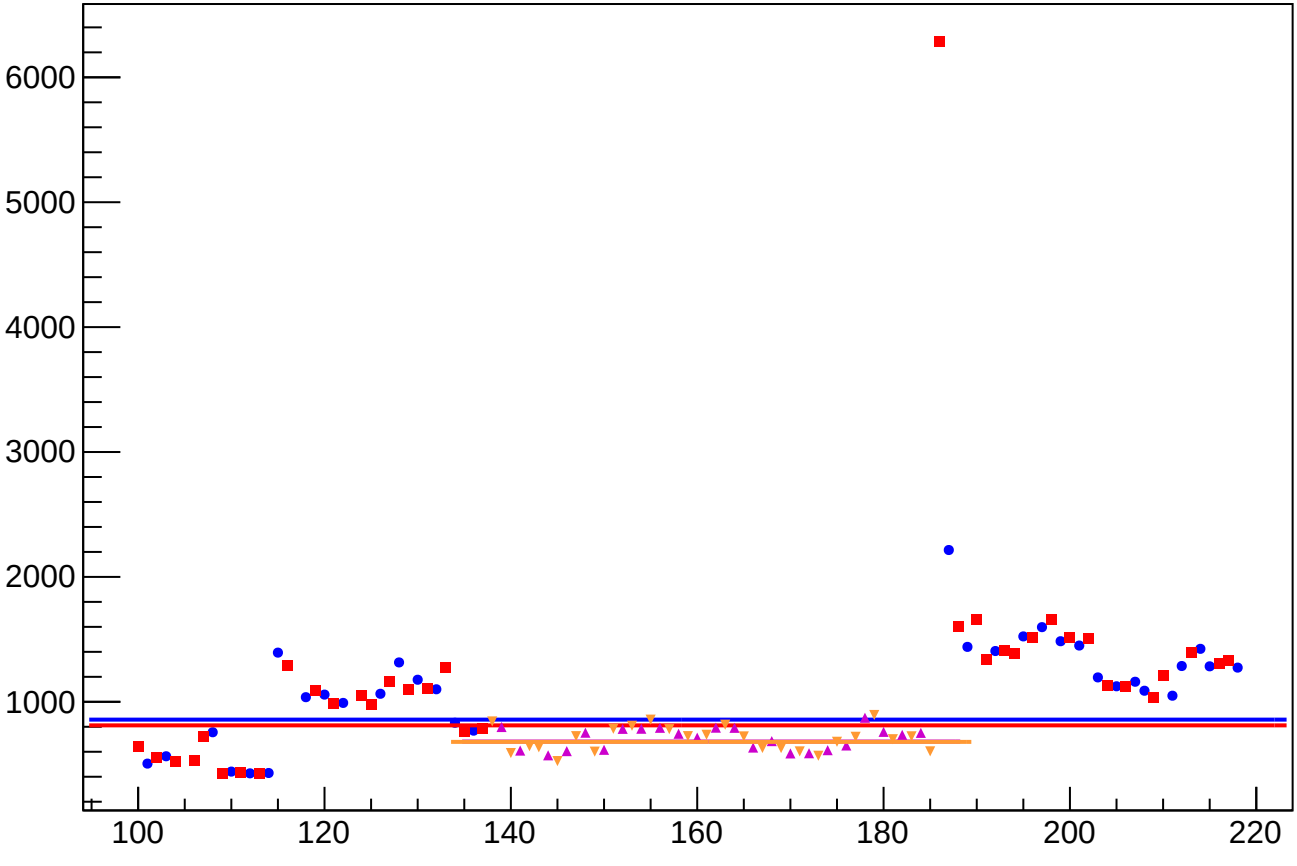
Right: 229.668+/-144.945 χ^2/NDF: 140.4/67

In: -144.629+/-127.576 χ^2/NDF:81.0/54

Out: -90.447+/-123.402 χ^2/NDF:156.4/60

All: -116.637+/-88.697 χ^2/NDF: 237.4/115

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 811.359+/-0.142 χ^2/NDF: 8442651.9/35

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

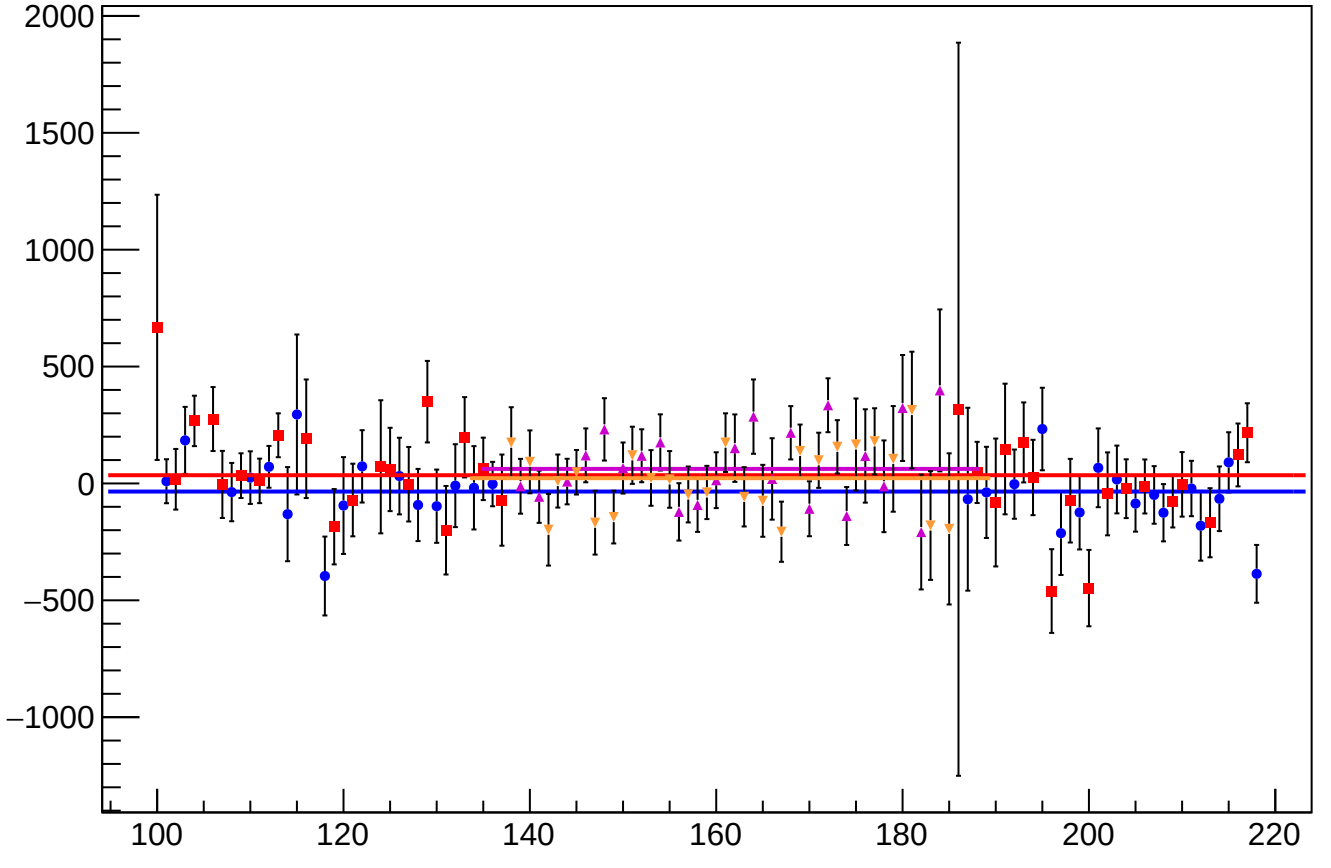
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 833.460+/-0.102 χ^2/NDF: 15017854.5/67

In: 747.180+/-0.090 χ^2/NDF:7982791.7/54

Out: 728.957+/-0.087 χ^2/NDF:9719142.7/60

All: 737.765+/-0.063 χ^2/NDF: 17723015.1/11



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: 35.154+/-24.528 χ^2/NDF: 45.1/35

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

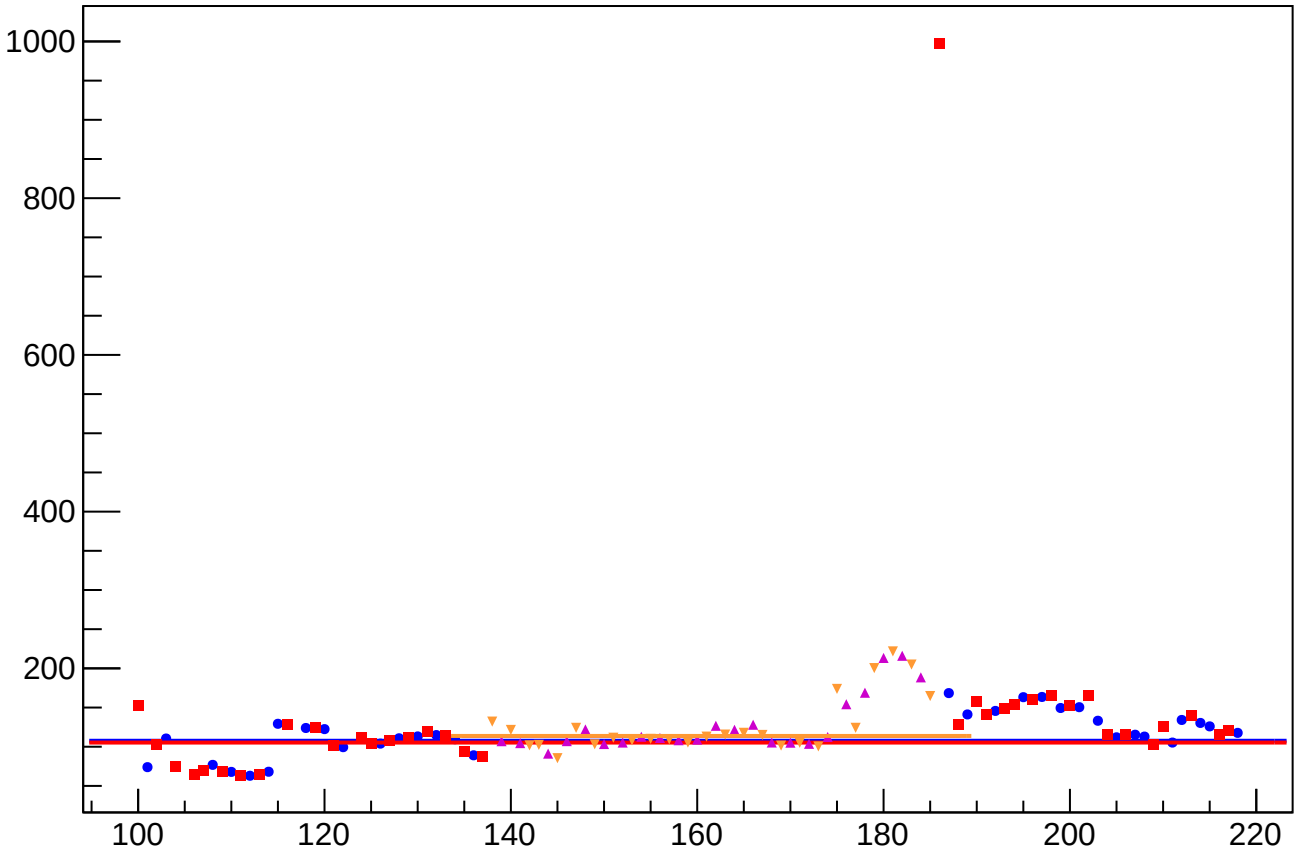
Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

Right: 0.680+/-17.461 χ^2/NDF: 75.3/67

In: 9.128+/-18.393 χ^2/NDF:60.3/54

Out: 29.368+/-18.046 χ^2/NDF:66.8/60

All: 19.441+/-12.881 χ^2/NDF: 127.8/115



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: 105.315+/-0.017 χ^2/NDF: 3804767.5/35

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

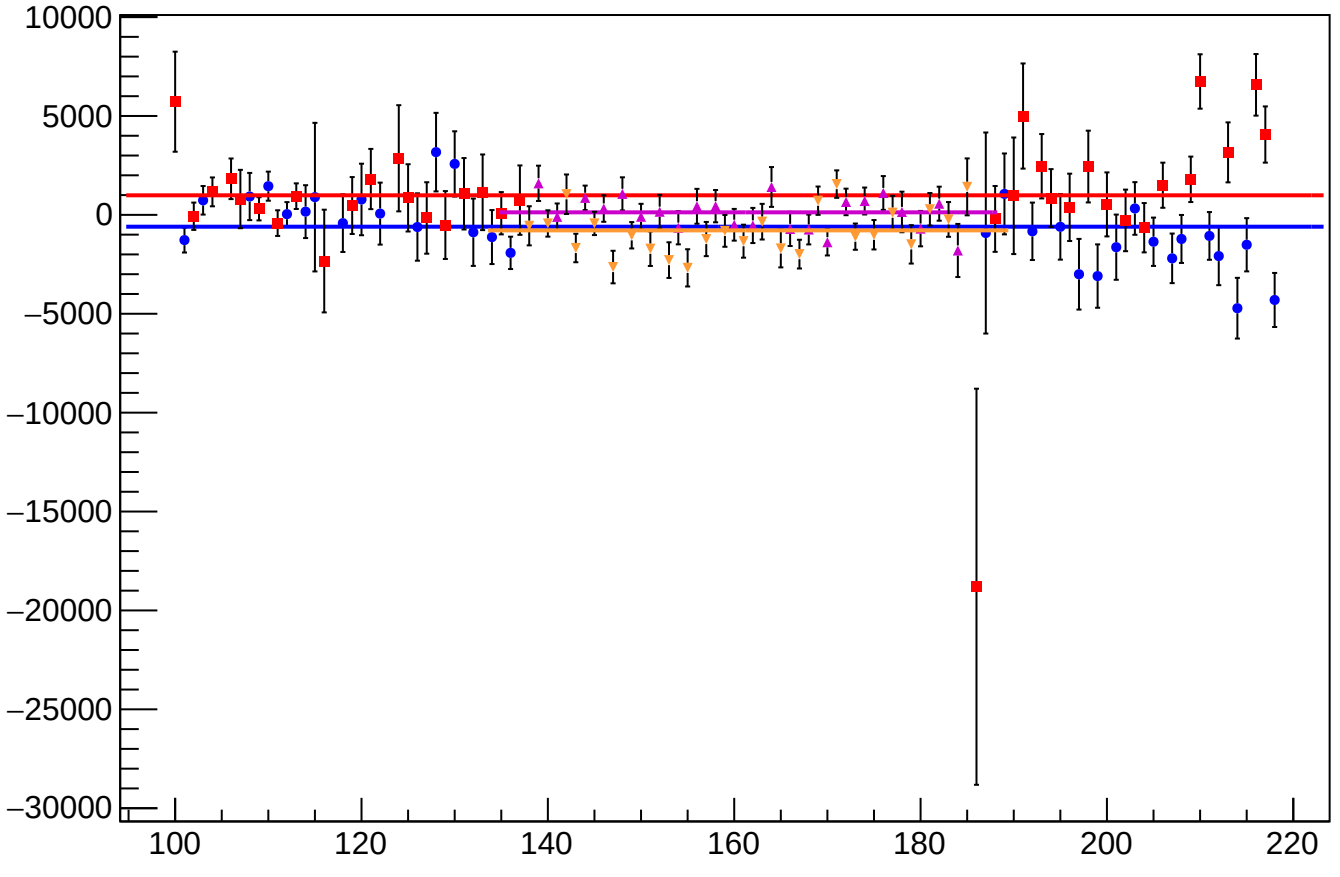
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 106.440+/-0.012 χ^2/NDF: 6294690.9/67

In: 110.348+/-0.013 χ^2/NDF:3851594.1/54

Out: 109.192+/-0.013 χ^2/NDF:5493598.5/60

All: 109.759+/-0.009 χ^2/NDF: 9349221.5/115



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: 988.880+/-203.534 χ^2/NDF: 65.7/35

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

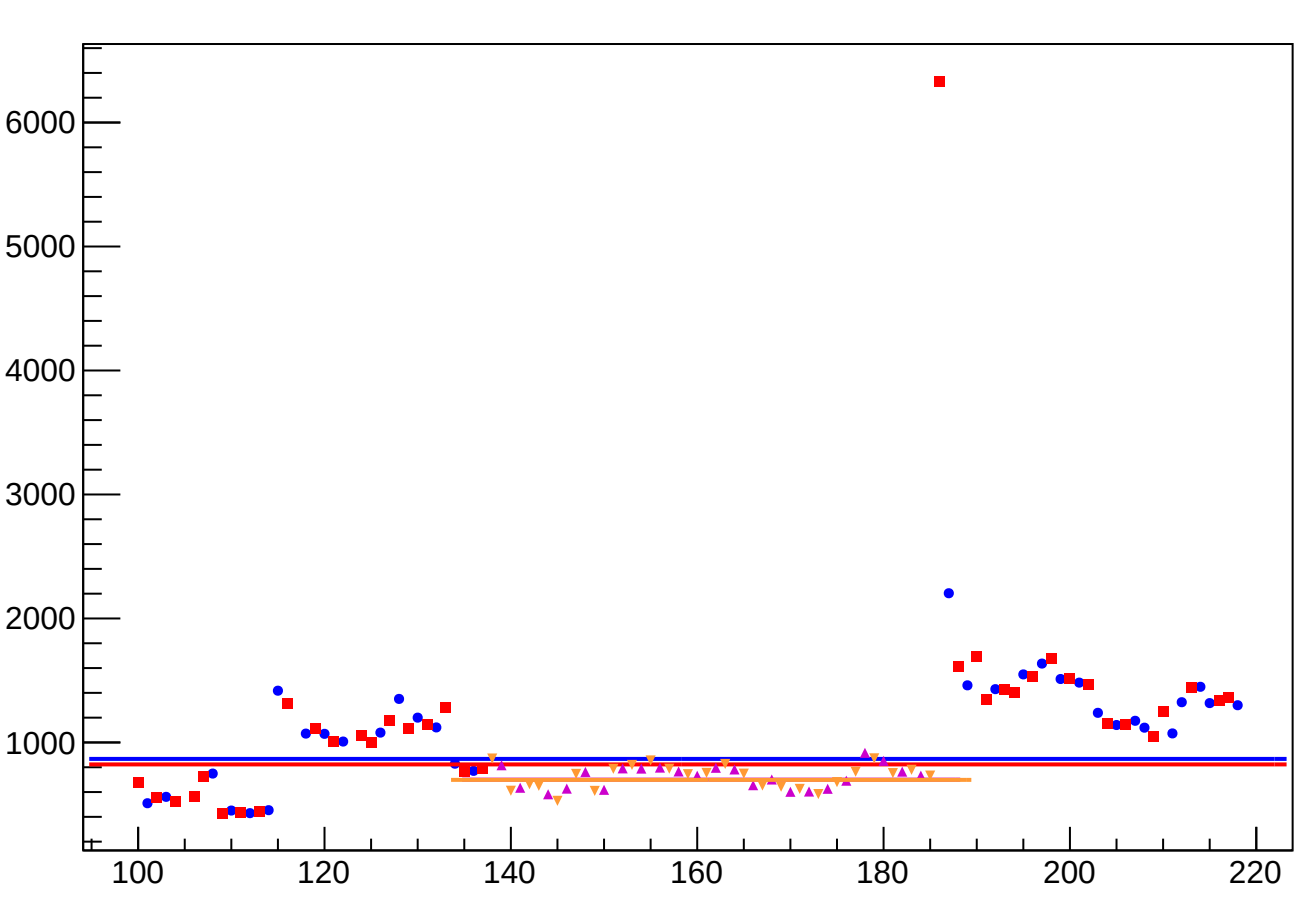
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 227.566+/-146.809 χ^2/NDF: 145.5/67

In: -146.403+/-130.326 χ^2/NDF:80.7/54

Out: -104.525+/-126.021 χ^2/NDF:157.9/60

All: -124.761+/-90.594 χ^2/NDF: 238.6/115



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: 822.875+/-0.144 χ^2/NDF: 8436717.7/35

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

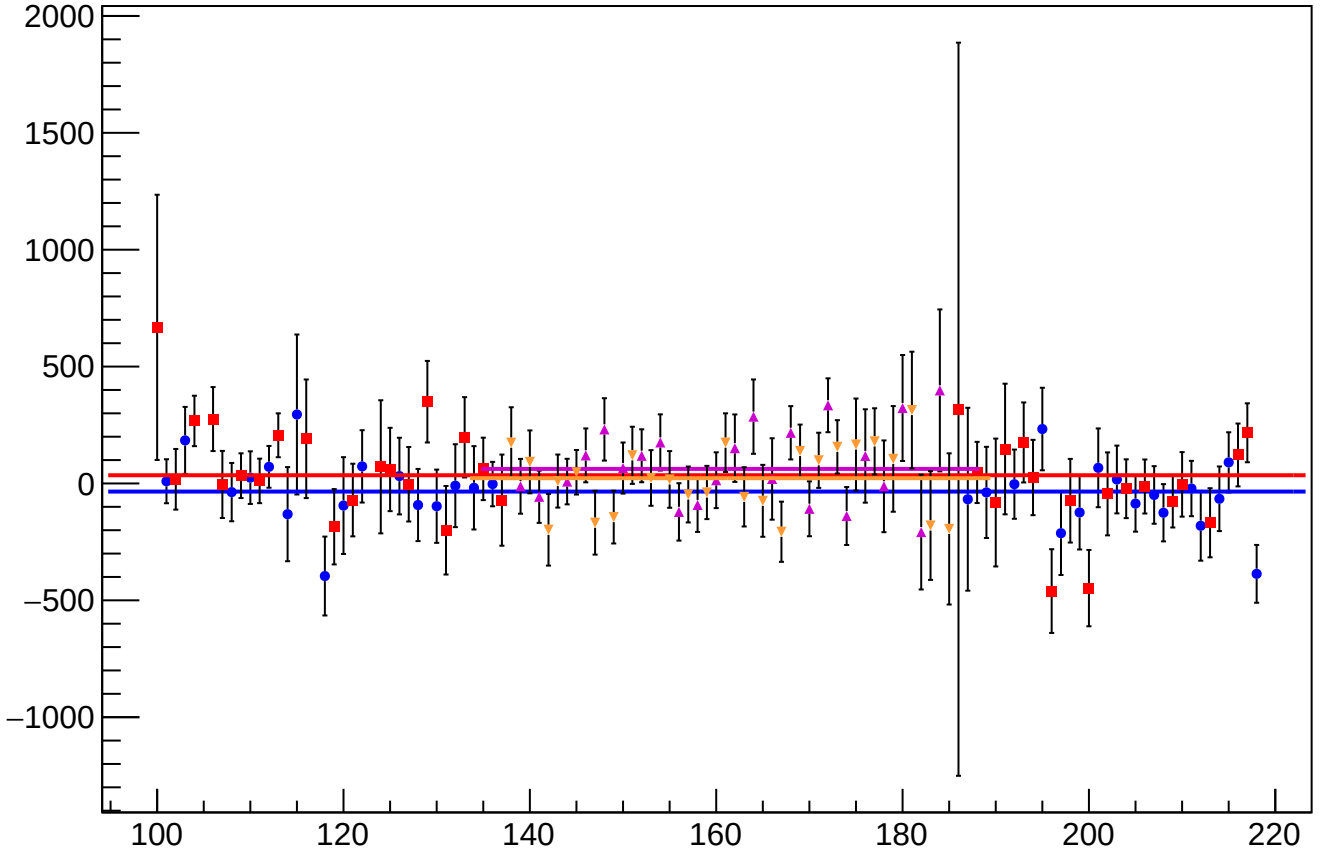
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 844.214+/-0.104 χ^2/NDF: 15146810.3/67

In: 763.319+/-0.092 χ^2/NDF:8023309.9/54

Out: 746.018+/-0.089 χ^2/NDF:9613874.2/60

All: 754.378+/-0.064 χ^2/NDF: 17655398.7/1



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: 35.152+/-24.528 χ^2/NDF: 45.1/35

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

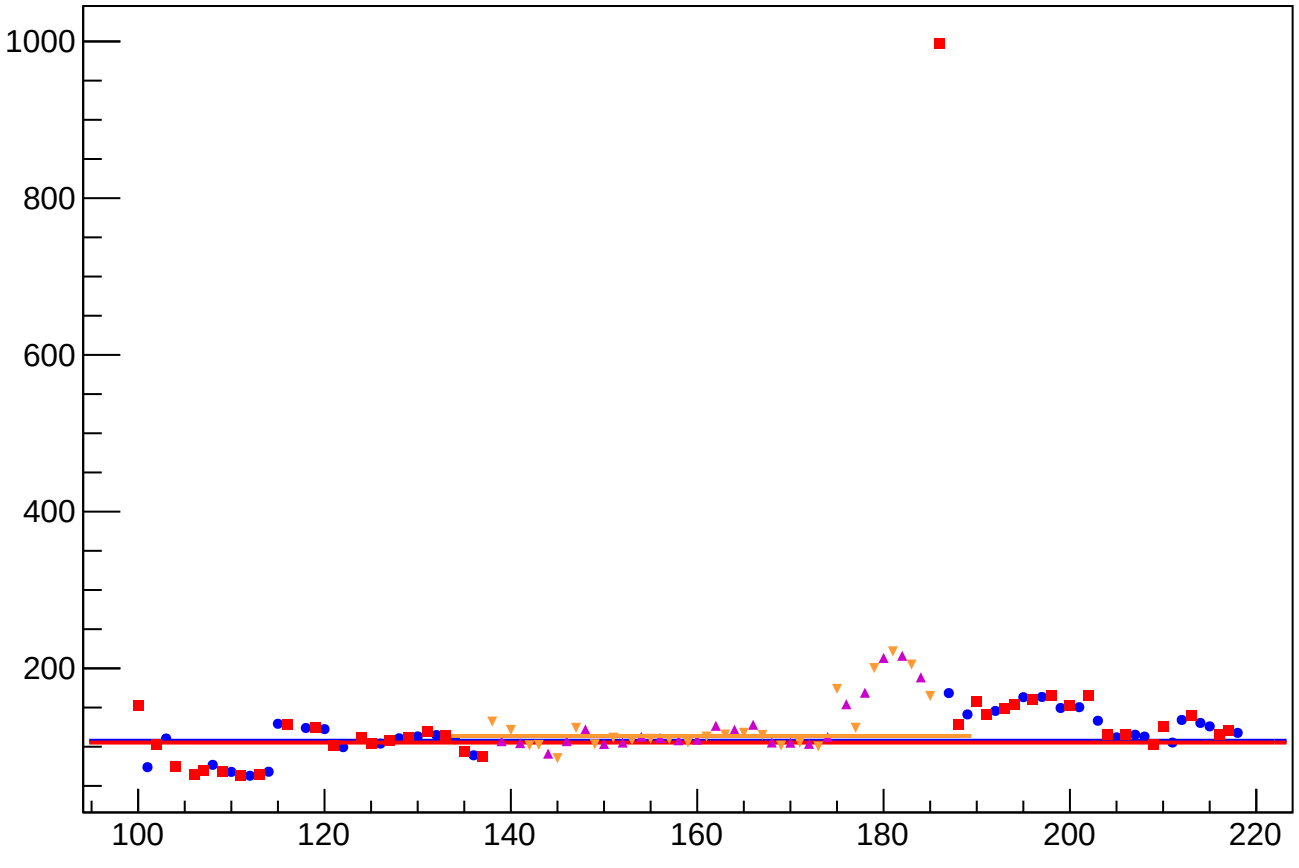
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 0.681+/-17.461 χ^2/NDF: 75.3/67

In: 9.129+/-18.393 χ^2/NDF:60.3/54

Out: 29.368+/-18.046 χ^2/NDF:66.8/60

All: 19.442+/-12.881 χ^2/NDF: 127.8/115



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: 105.315+/-0.017 χ^2/NDF: 3804765.0/35

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

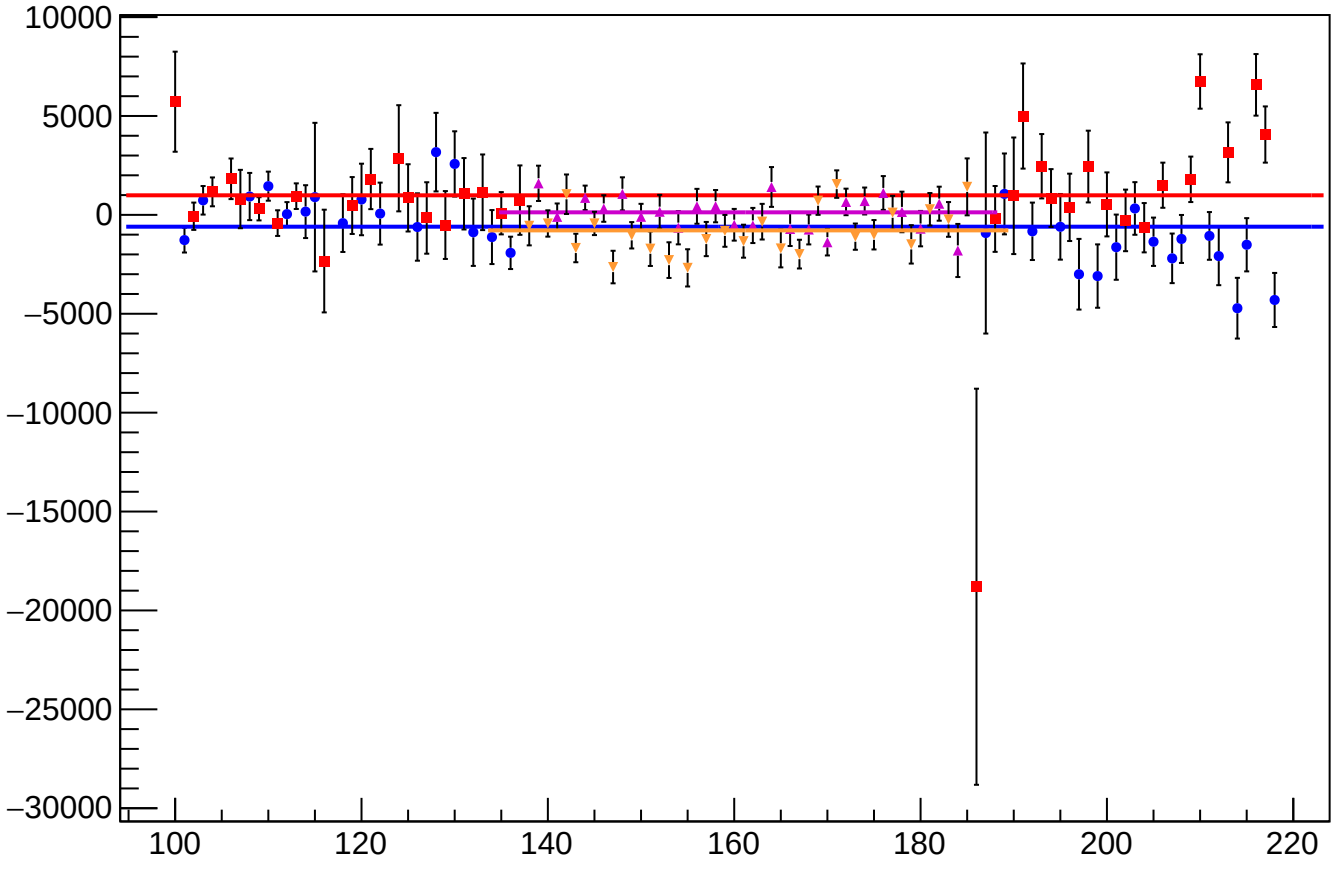
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 106.440+/-0.012 χ^2/NDF: 6294667.6/67

In: 110.348+/-0.013 χ^2/NDF:3851556.8/54

Out: 109.192+/-0.013 χ^2/NDF:5493591.9/60

All: 109.759+/-0.009 χ^2/NDF: 9349177.7/115



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: 988.878+/-203.534 χ^2/NDF: 65.7/35

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

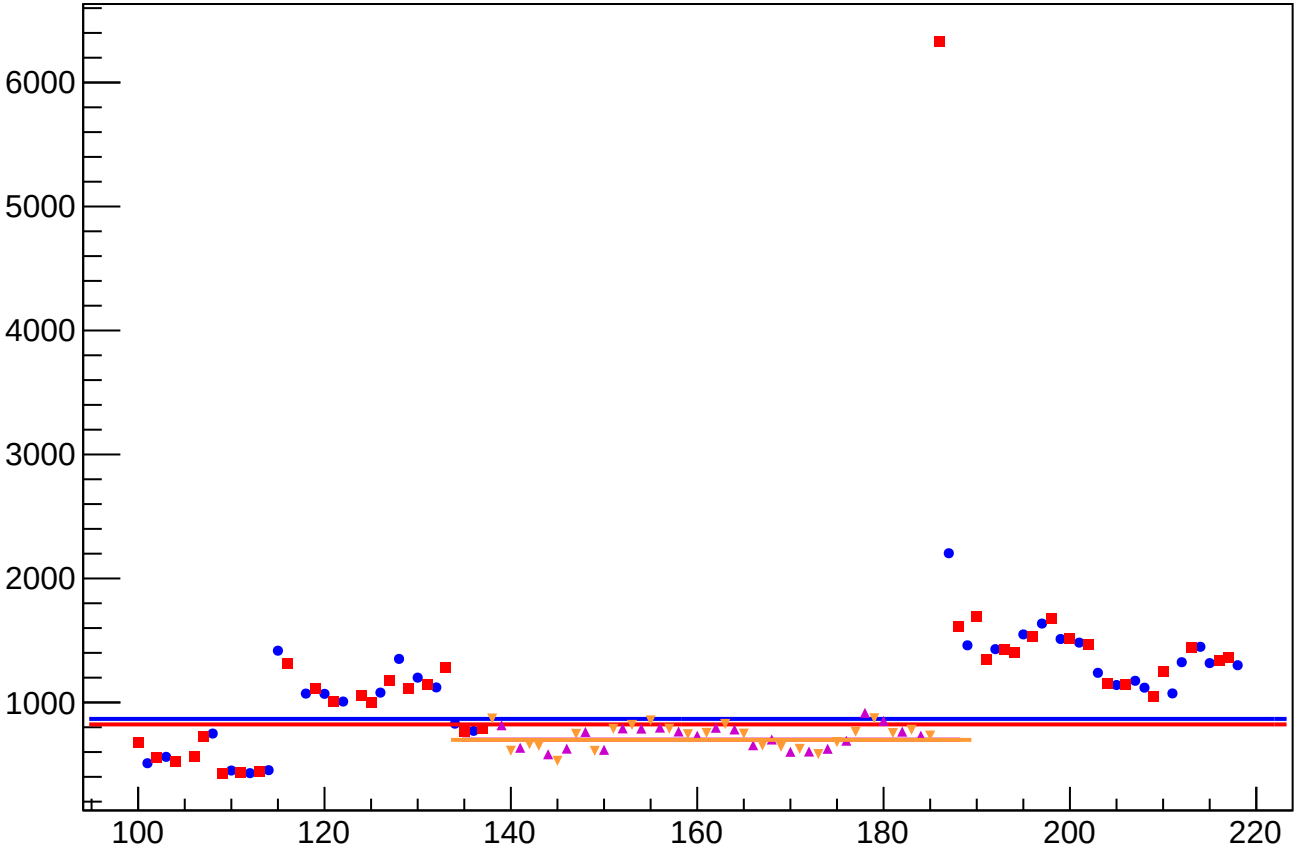
Right: 227.566+/-146.809 χ^2/NDF: 145.5/67

In: -146.403+/-130.326 χ^2/NDF:80.7/54

Out: -104.524+/-126.020 χ^2/NDF:157.9/60

All: -124.761+/-90.594 χ^2/NDF: 238.6/115

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: 822.874+/-0.144 χ^2/NDF: 8436714.0/35

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

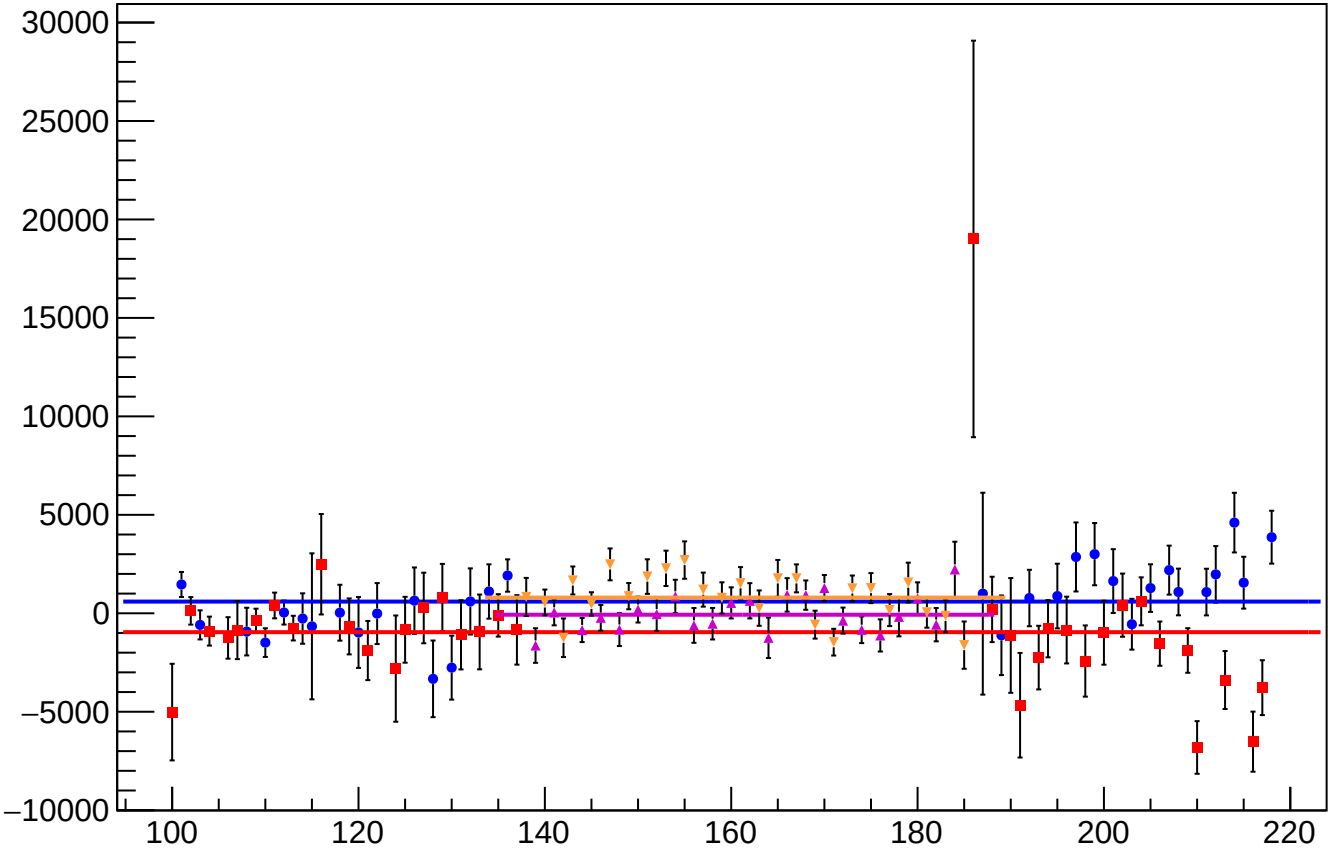
Right: 844.213+/-0.104 χ^2/NDF: 15146806.5/67

In: 763.318+/-0.092 χ^2/NDF:8023303.6/54

Out: 746.017+/-0.089 χ^2/NDF:9613869.0/60

All: 754.377+/-0.064 χ^2/NDF: 17655387.3/11

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: -958.255+/-202.762 χ^2/NDF: 65.9/35

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

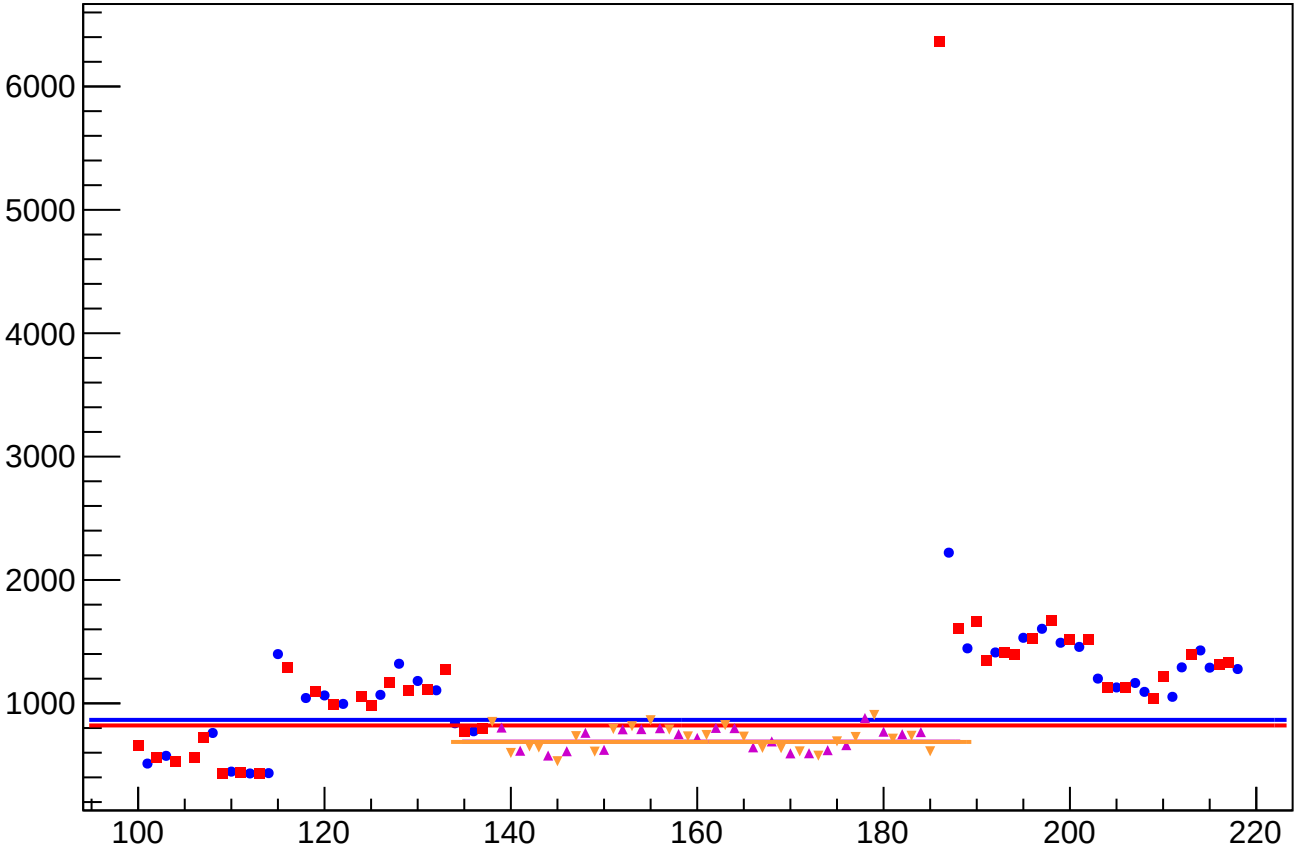
Right: -212.530+/-146.184 χ^2/NDF: 144.4/67

In: 176.055+/-128.922 χ^2/NDF:81.6/54

Out: 133.055+/-124.699 χ^2/NDF:158.8/60

All: 153.839+/-89.631 χ^2/NDF: 240.5/115

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: 820.844+/-0.143 χ^2/NDF: 8302497.1/35

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

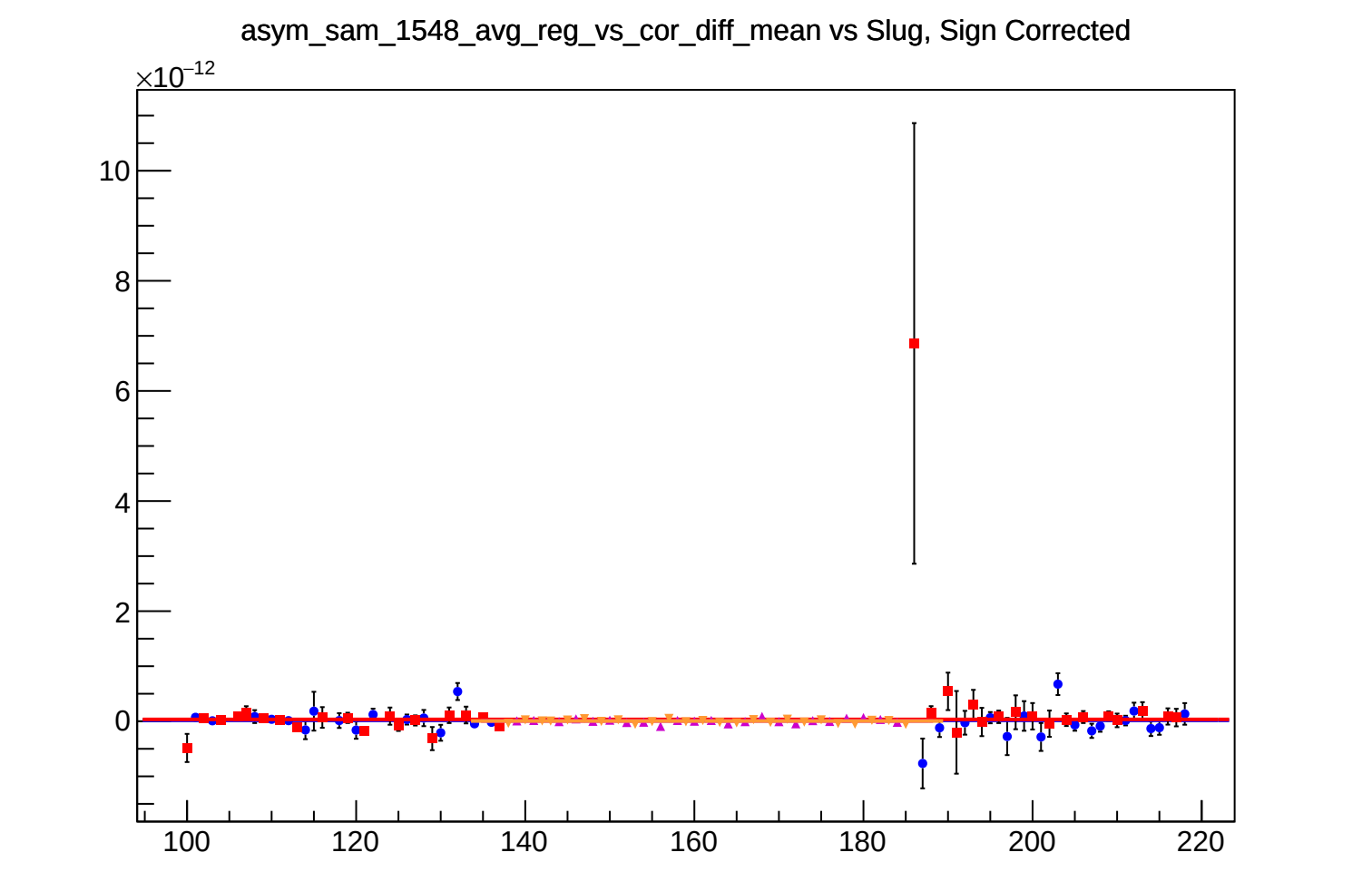
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

Right: 842.574+/-0.103 χ^2/NDF: 14763357.5/67

In: 755.769+/-0.091 χ^2/NDF:7853267.9/54

Out: 737.775+/-0.088 χ^2/NDF:9570388.6/60

All: 746.472+/-0.063 χ^2/NDF: 17443785.4/11



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: 36.0/35

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

Left: 0.000+/-0.000 χ^2/NDF: 48.4/47

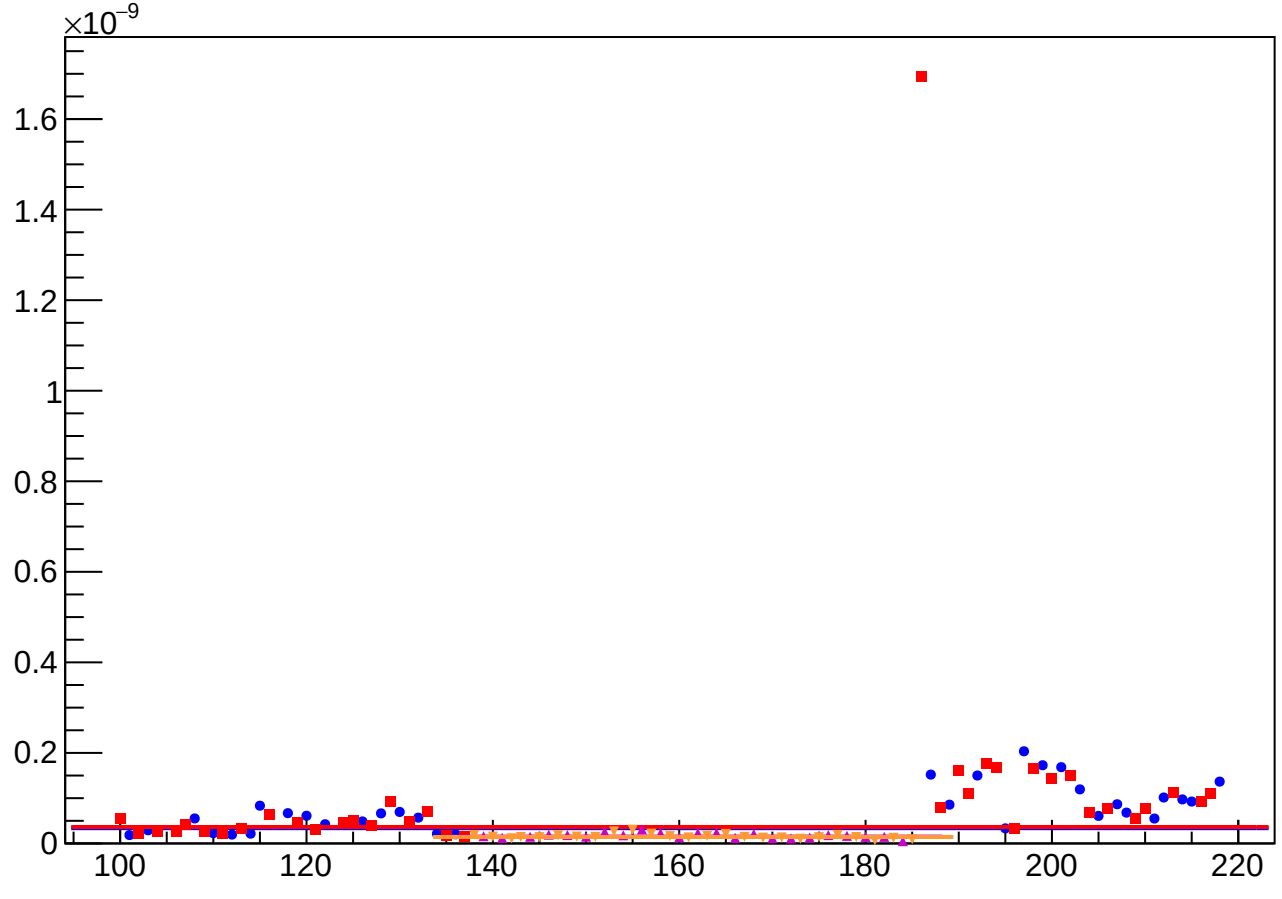
Right: 0.000+/-0.000 χ^2/NDF: 85.5/67

In: 0.000+/-0.000 χ^2/NDF:75.8/54

Out: 0.000+/-0.000 χ^2/NDF:61.2/60

All: 0.000+/-0.000 χ^2/NDF: 137.0/115

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: 6655805.6/35

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

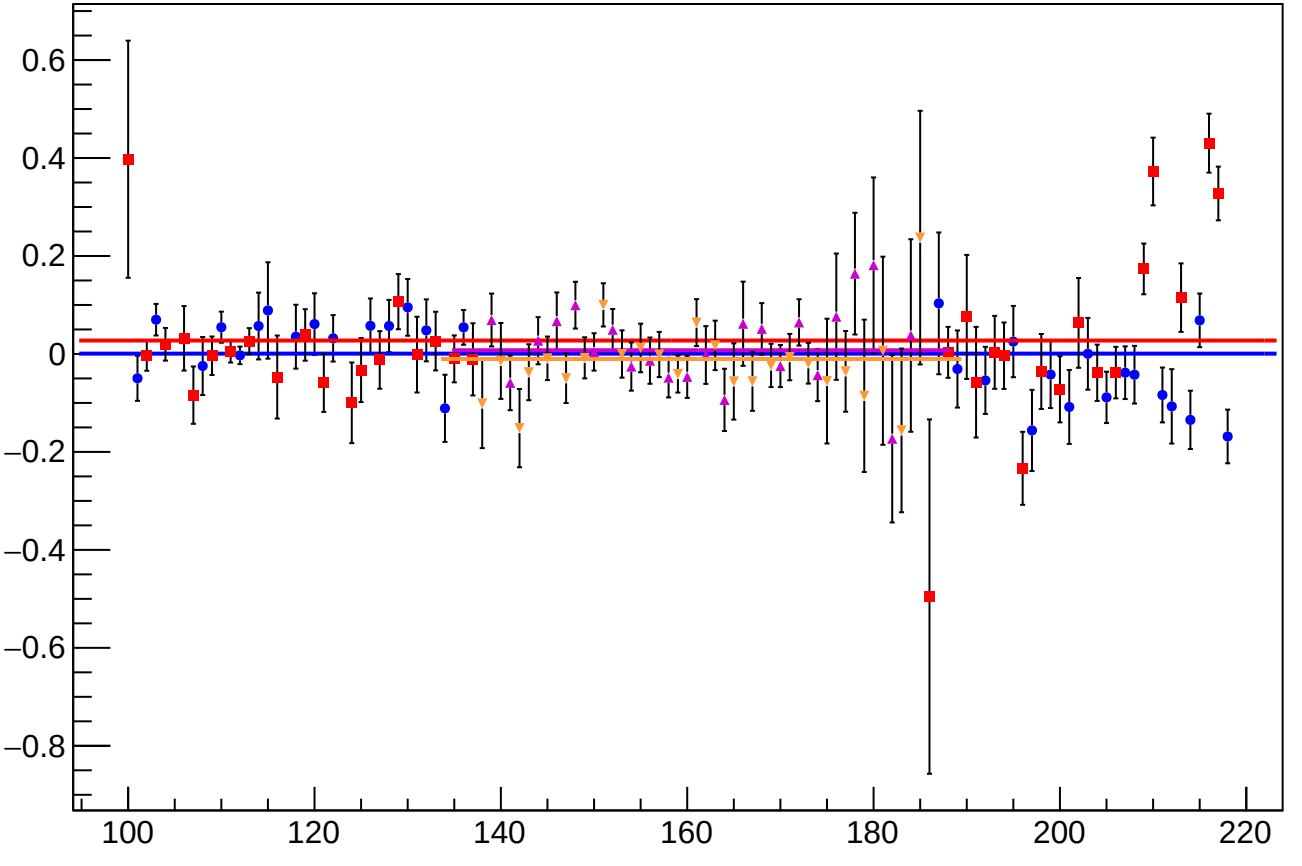
Right: 0.000+/-0.000 χ^2/NDF: 14137673.6/67

In: 0.000+/-0.000 χ^2/NDF:11522155.5/54

Out: 0.000+/-0.000 χ^2/NDF:11487168.7/60

All: 0.000+/-0.000 χ^2/NDF: 23049913.4/115

asym_sam_1548_avg_dit_vs_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: 0.027+/-0.009 χ^2/NDF: 149.0/35

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

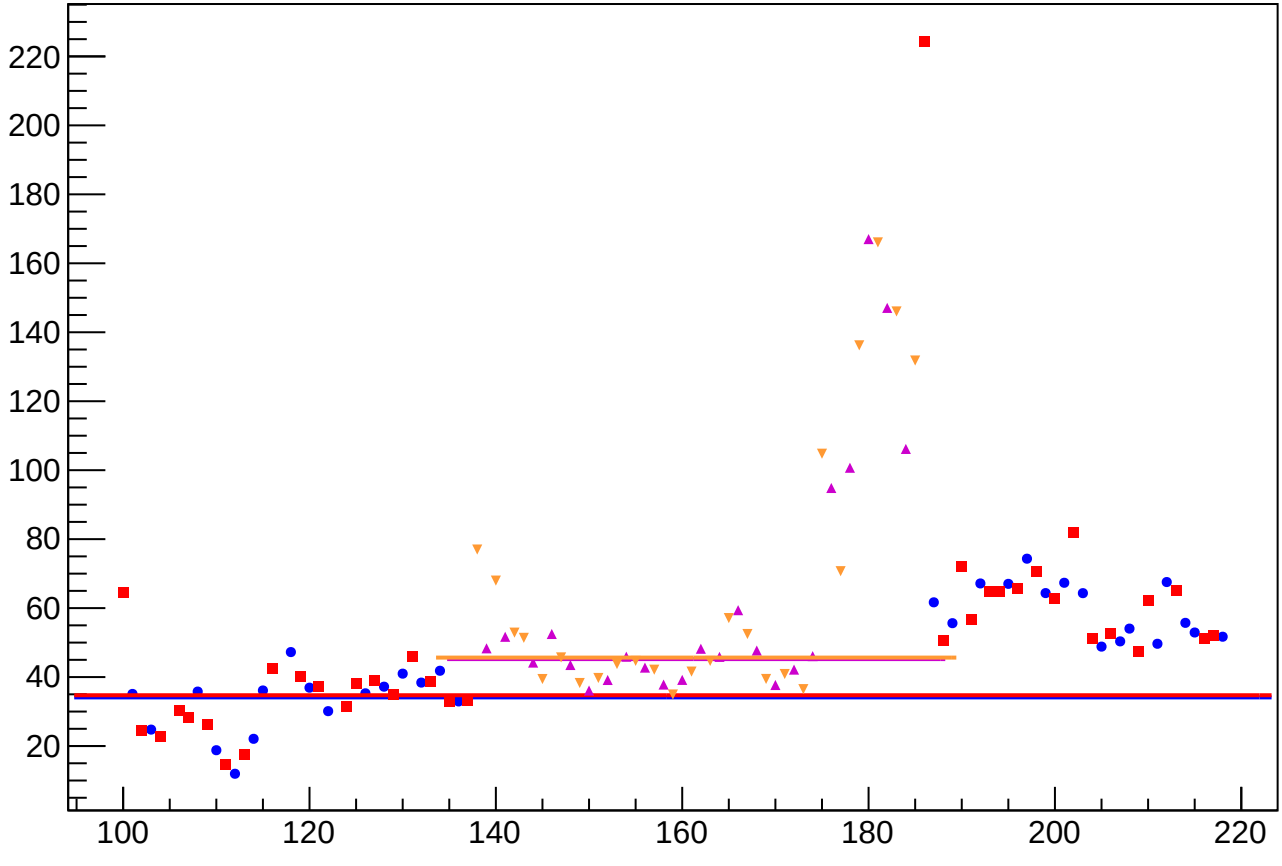
Right: 0.014+/-0.006 χ^2/NDF: 208.0/67

In: 0.003+/-0.007 χ^2/NDF:77.8/54

Out: 0.013+/-0.007 χ^2/NDF:174.0/60

All: 0.008+/-0.005 χ^2/NDF: 252.9/115

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: 34.731+/-0.006 χ^2/NDF: 8093350.5/35

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

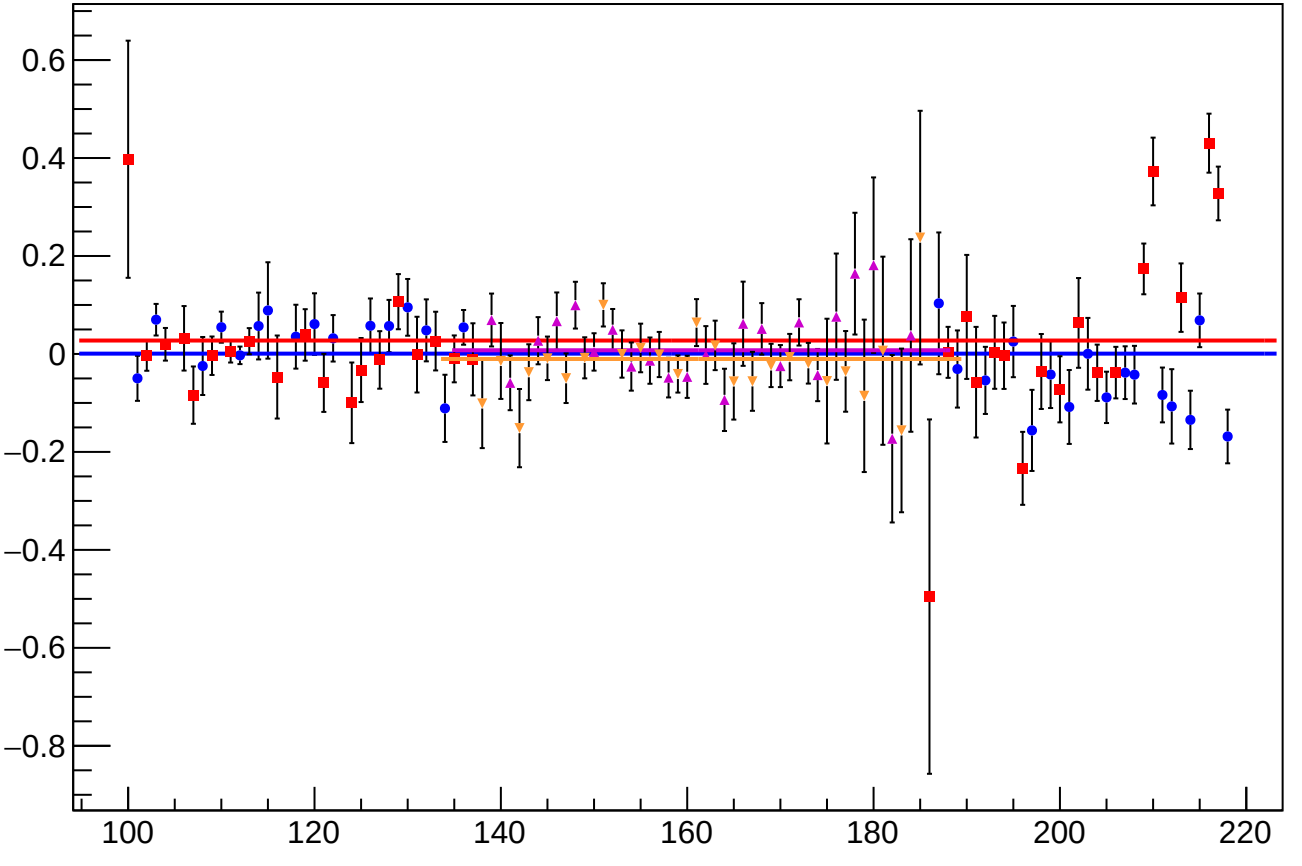
Right: 34.418+/-0.004 χ^2/NDF: 16547563.4/67

In: 38.212+/-0.005 χ^2/NDF:12635980.4/54

Out: 38.847+/-0.005 χ^2/NDF:13277318.1/60

All: 38.530+/-0.003 χ^2/NDF: 25921678.3/115

asym_sam_1548_avg_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: 0.027+/-0.009 χ^2/NDF: 149.0/35

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

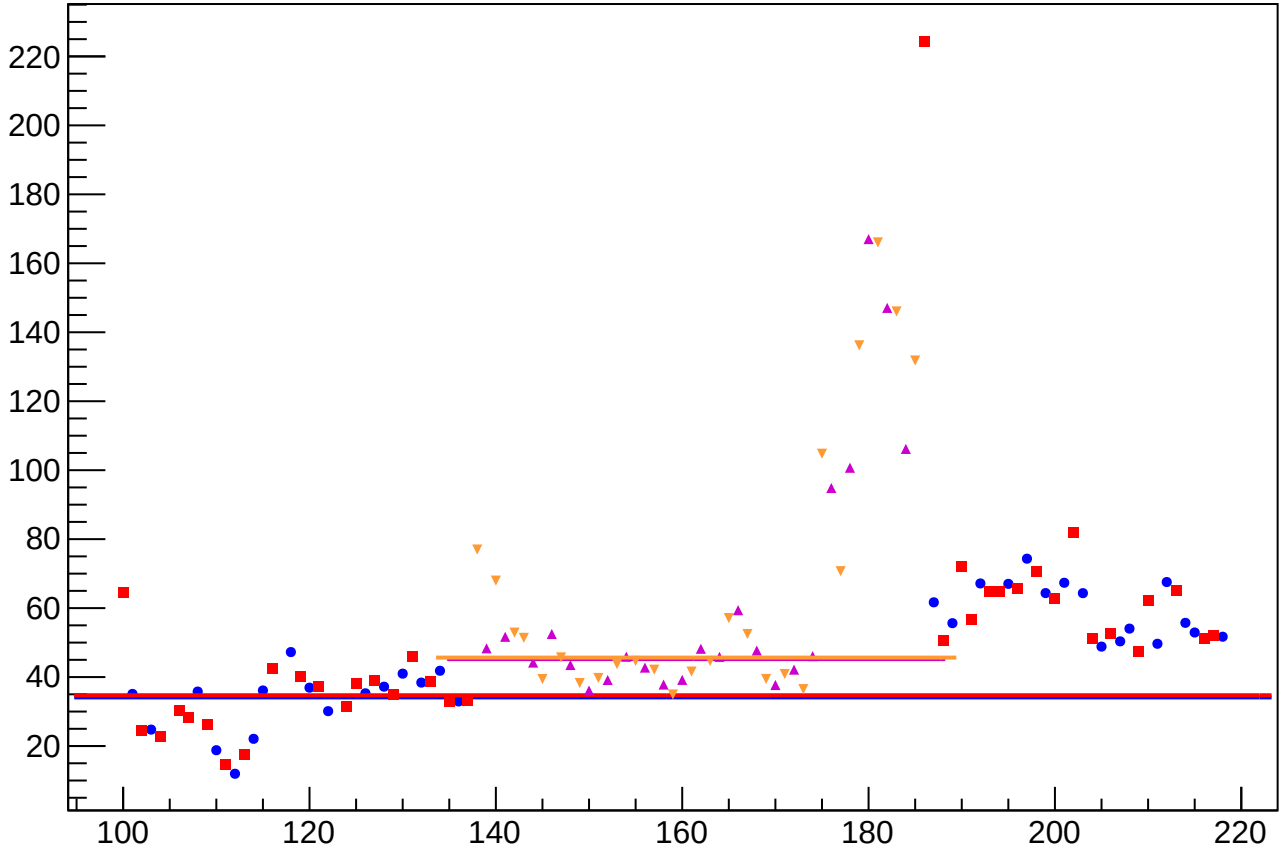
Right: 0.014+/-0.006 χ^2/NDF: 208.0/67

In: 0.003+/-0.007 χ^2/NDF:77.8/54

Out: 0.013+/-0.007 χ^2/NDF:174.0/60

All: 0.008+/-0.005 χ^2/NDF: 252.9/115

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: 34.731+/-0.006 χ^2/NDF: 8093350.5/35

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

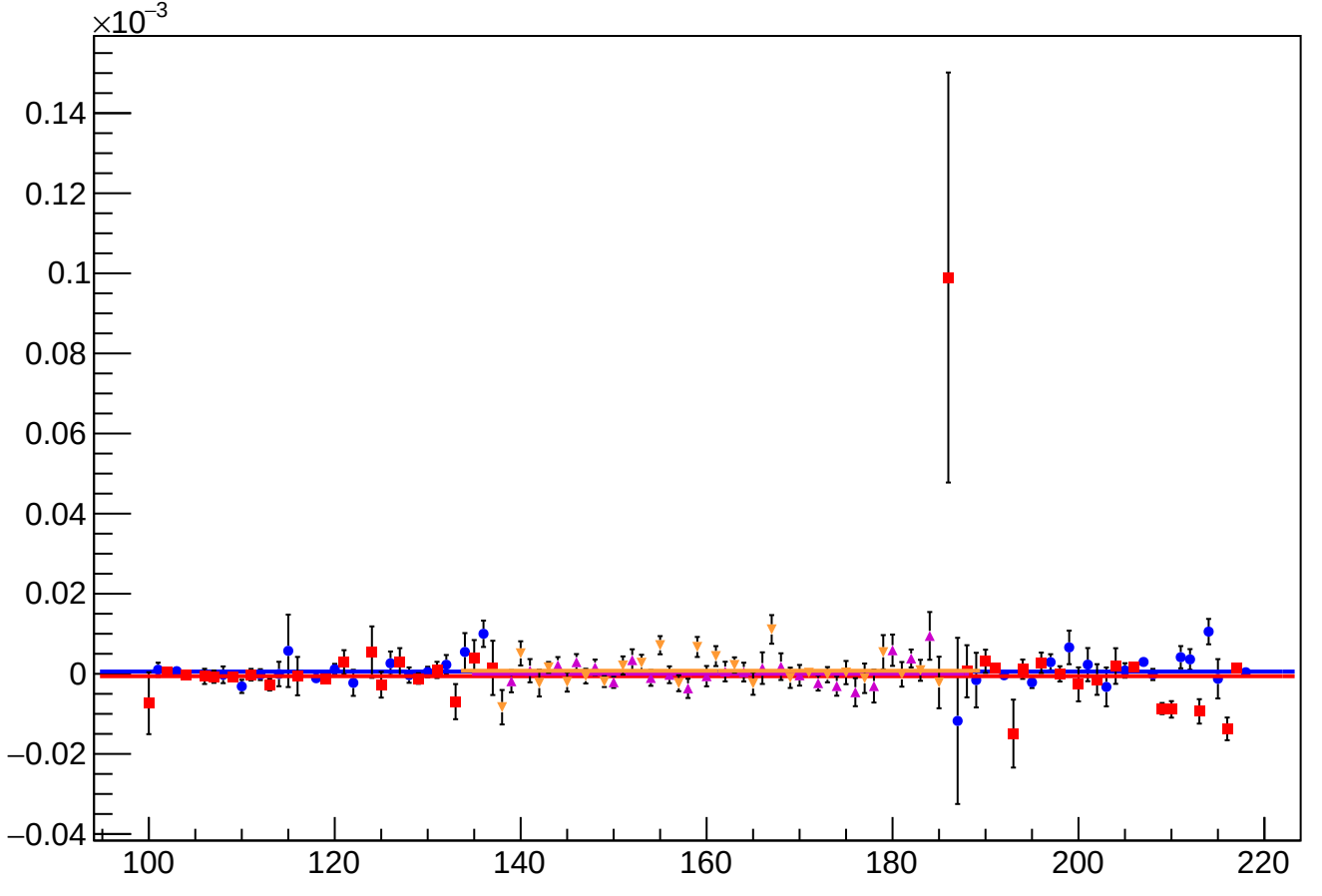
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 34.418+/-0.004 χ^2/NDF: 16547563.4/67

In: 38.212+/-0.005 χ^2/NDF:12635980.4/54

Out: 38.847+/-0.005 χ^2/NDF:13277318.1/60

All: 38.530+/-0.003 χ^2/NDF: 25921678.3/115



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: 116.0/35

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

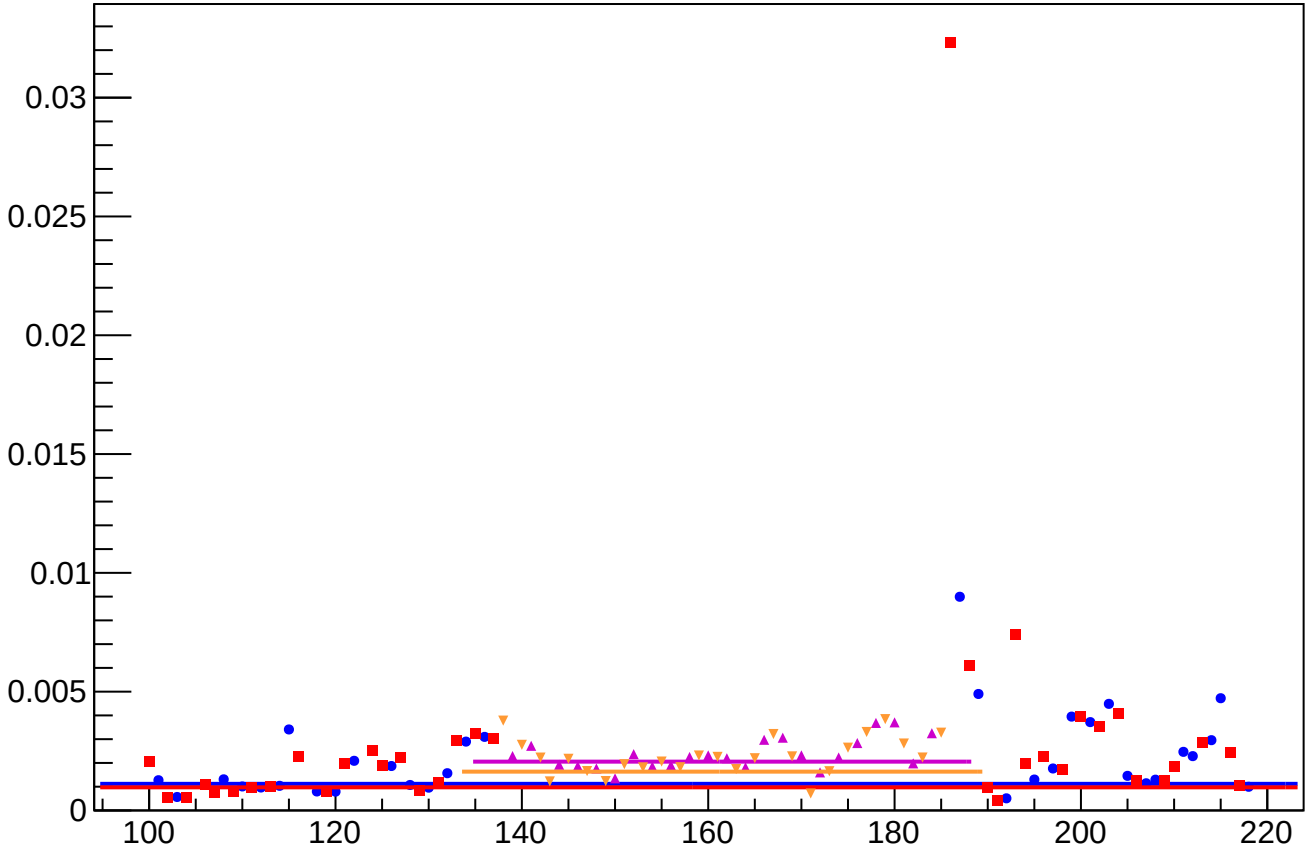
Right: -0.000+/-0.000 χ^2/NDF: 170.1/67

In: 0.000+/-0.000 χ^2/NDF:71.5/54

Out: -0.000+/-0.000 χ^2/NDF:169.7/60

All: 0.000+/-0.000 χ^2/NDF: 244.1/115

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: 13782305.3/35

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

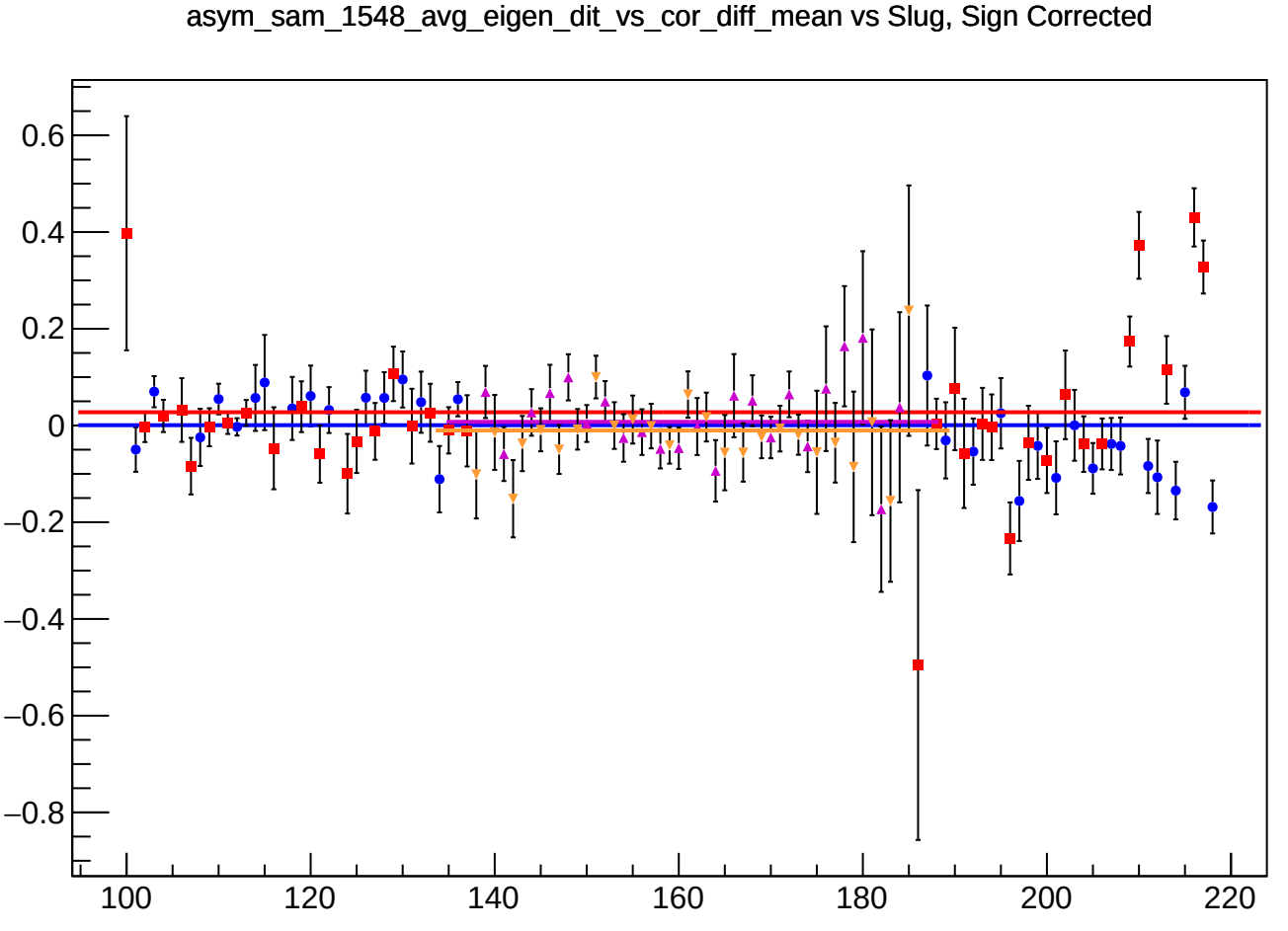
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 24282982.2/67

In: 0.001+/-0.000 χ^2/NDF:17394780.5/54

Out: 0.001+/-0.000 χ^2/NDF:23868598.8/60

All: 0.001+/-0.000 χ^2/NDF: 41936494.7/115



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: 0.027+/-0.009 χ^2/NDF: 149.0/35

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

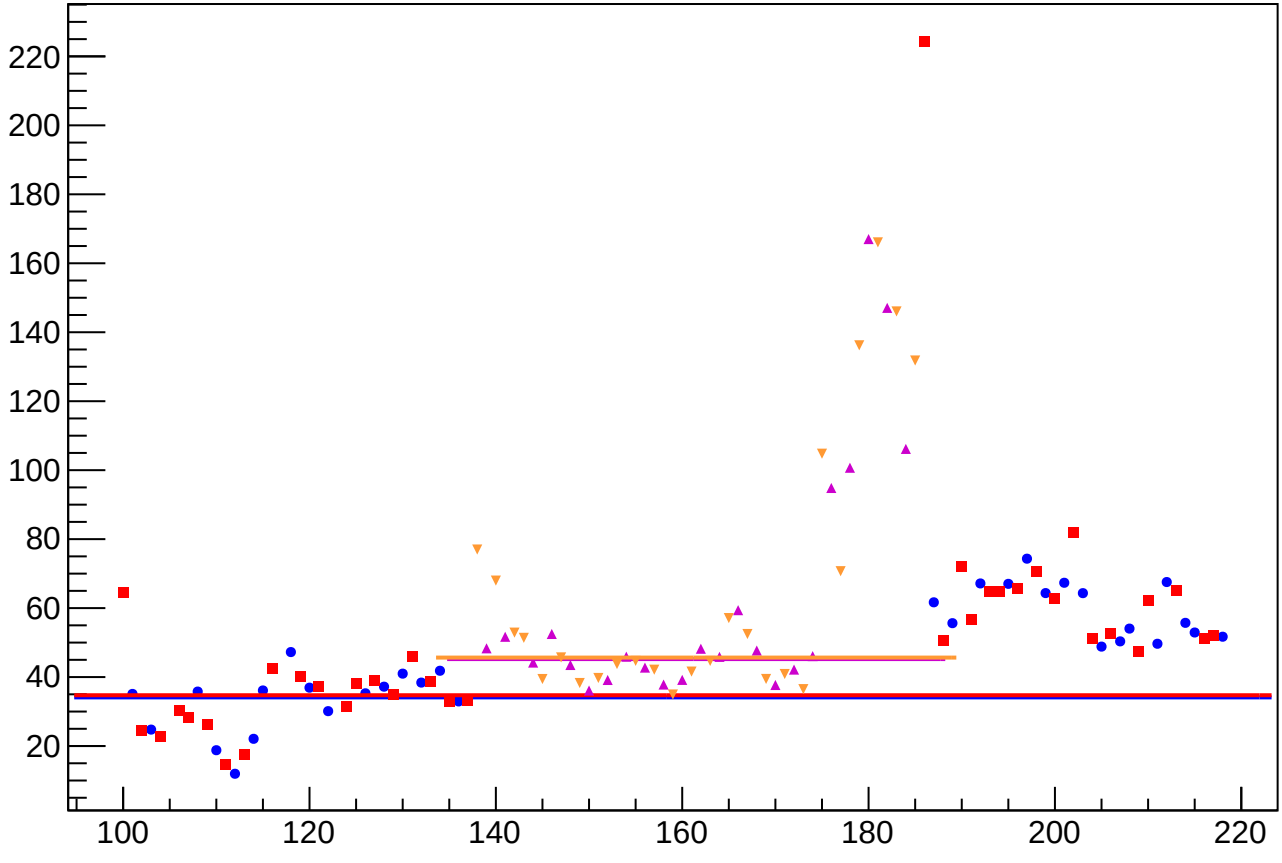
Right: 0.014+/-0.006 χ^2/NDF: 208.0/67

In: 0.003+/-0.007 χ^2/NDF:77.8/54

Out: 0.013+/-0.007 χ^2/NDF:174.0/60

All: 0.008+/-0.005 χ^2/NDF: 252.9/115

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: 34.730+/-0.006 χ^2/NDF: 8093602.7/35

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

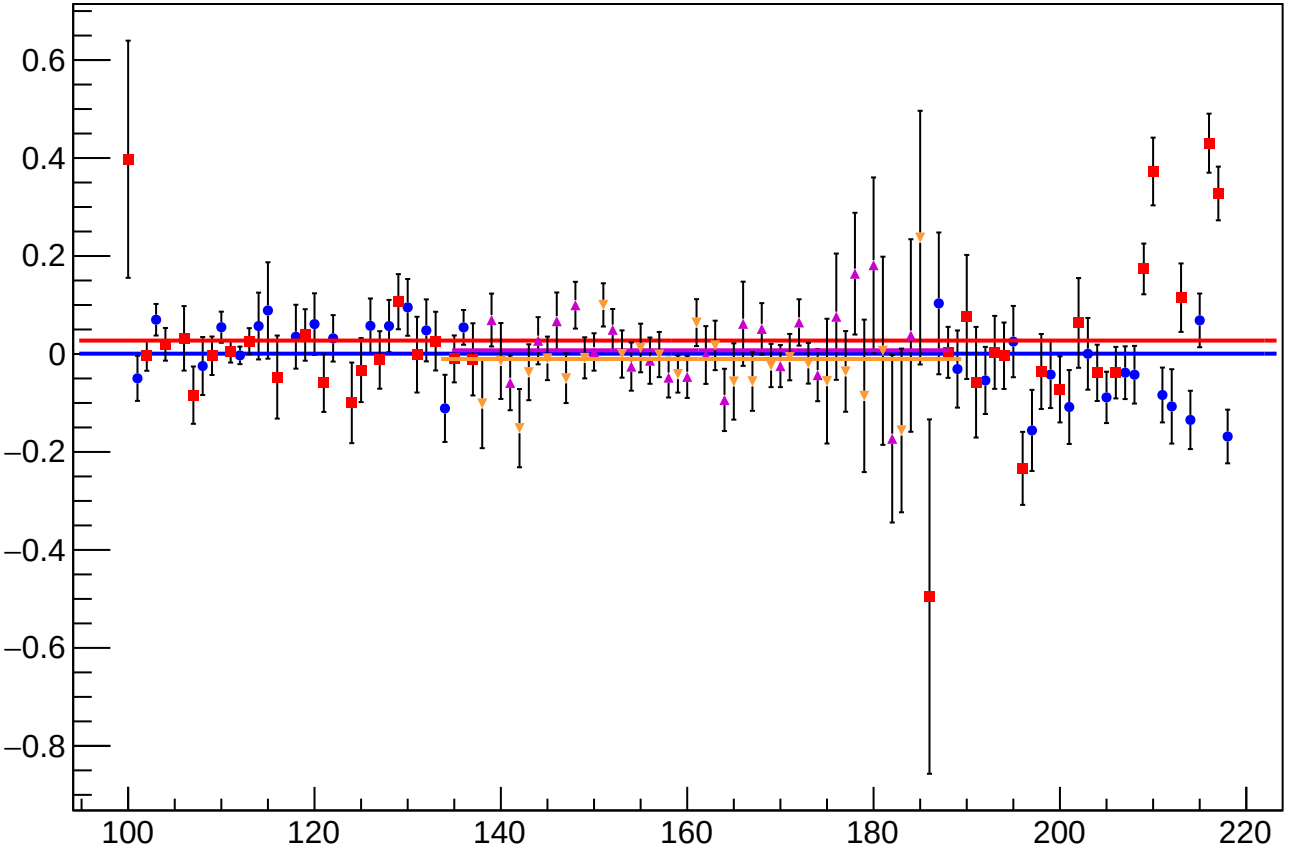
Right: 34.418+/-0.004 χ^2/NDF: 16548122.0/67

In: 38.212+/-0.005 χ^2/NDF:12636424.1/54

Out: 38.847+/-0.005 χ^2/NDF:13277670.9/60

All: 38.530+/-0.003 χ^2/NDF: 25922478.1/115

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: 0.027+/-0.009 χ^2/NDF: 149.0/35

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

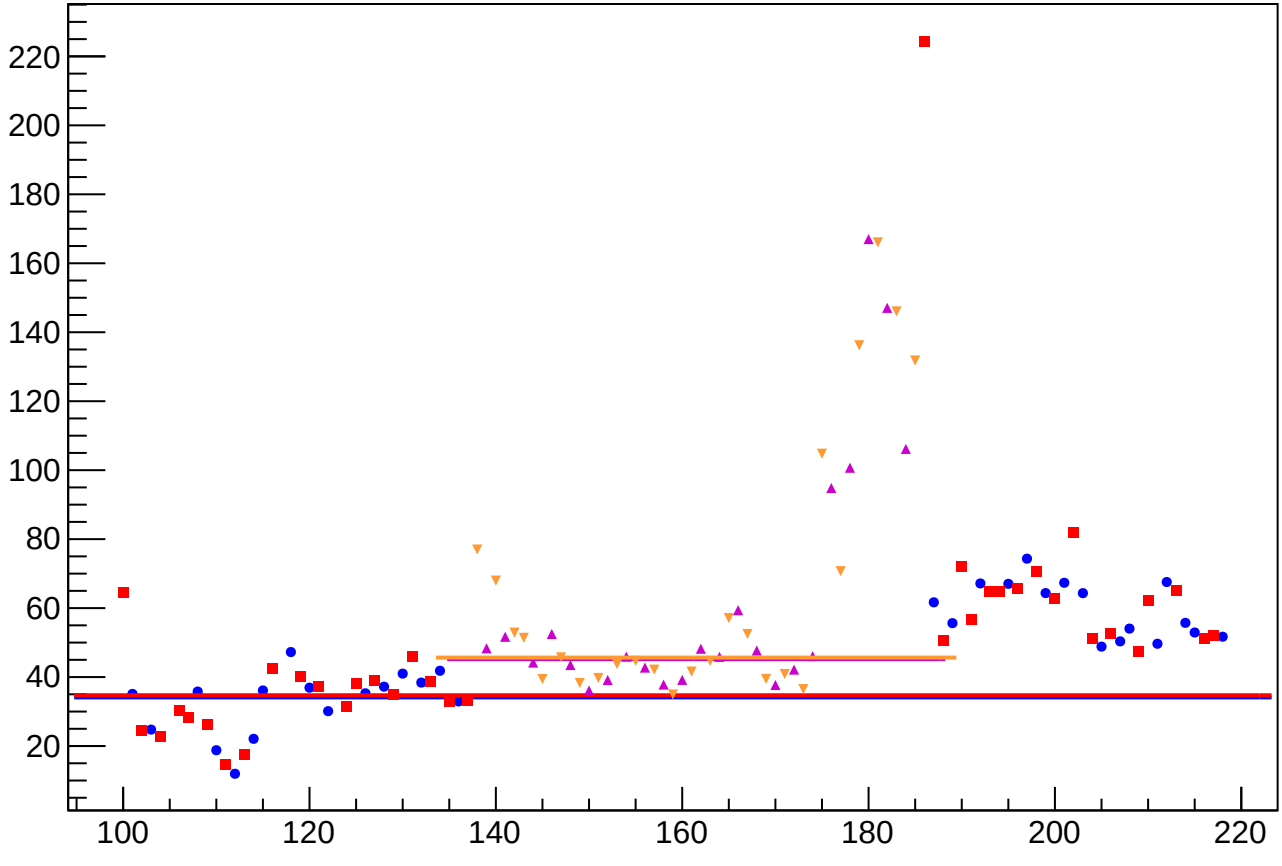
Right: 0.014+/-0.006 χ^2/NDF: 208.0/67

In: 0.003+/-0.007 χ^2/NDF:77.8/54

Out: 0.013+/-0.007 χ^2/NDF:174.0/60

All: 0.008+/-0.005 χ^2/NDF: 252.9/115

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: 34.730+/-0.006 χ^2/NDF: 8093602.7/35

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

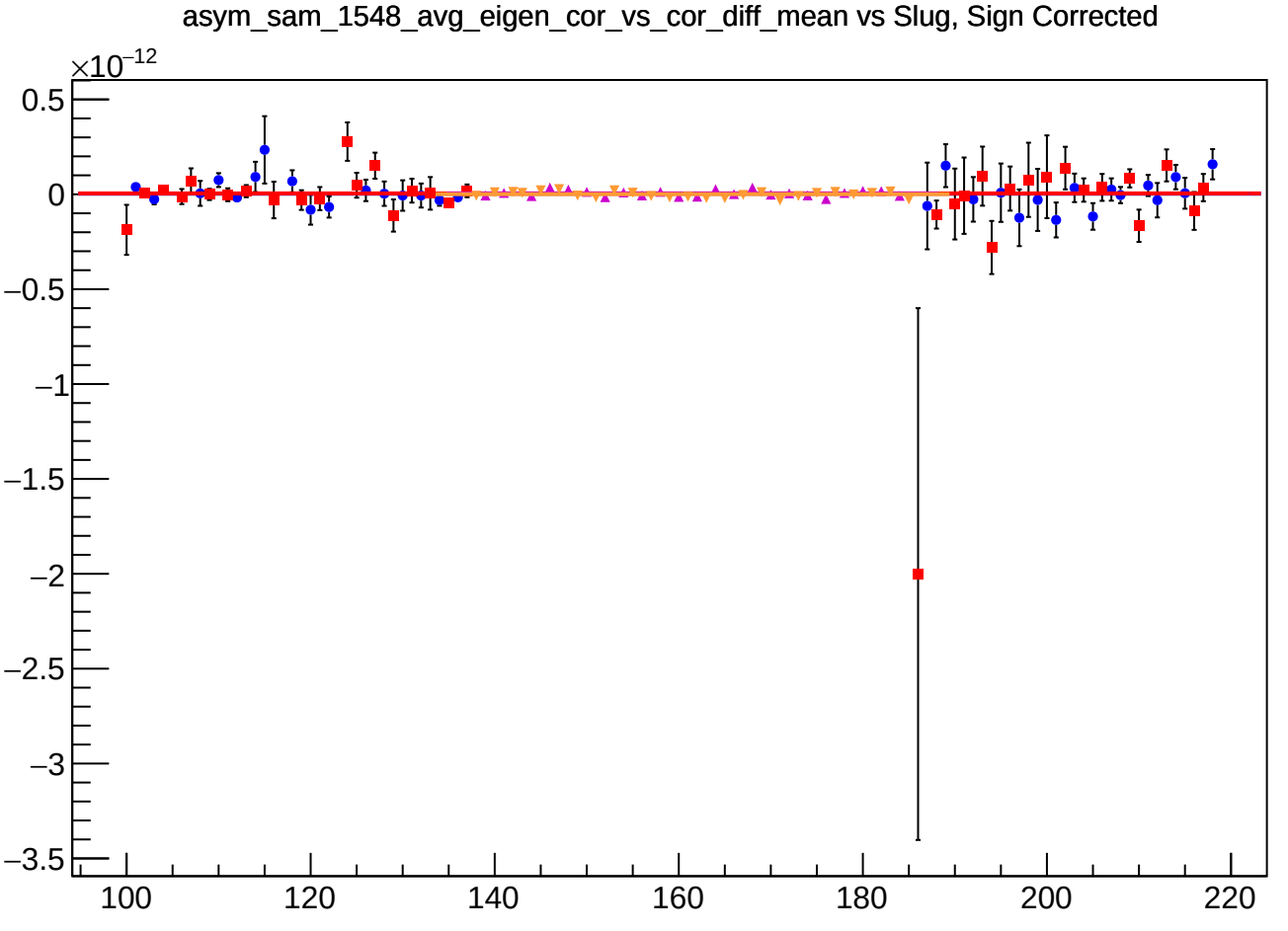
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 34.418+/-0.004 χ^2/NDF: 16548122.0/67

In: 38.212+/-0.005 χ^2/NDF:12636424.1/54

Out: 38.847+/-0.005 χ^2/NDF:13277670.9/60

All: 38.530+/-0.003 χ^2/NDF: 25922478.1/115



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: 45.3/35

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

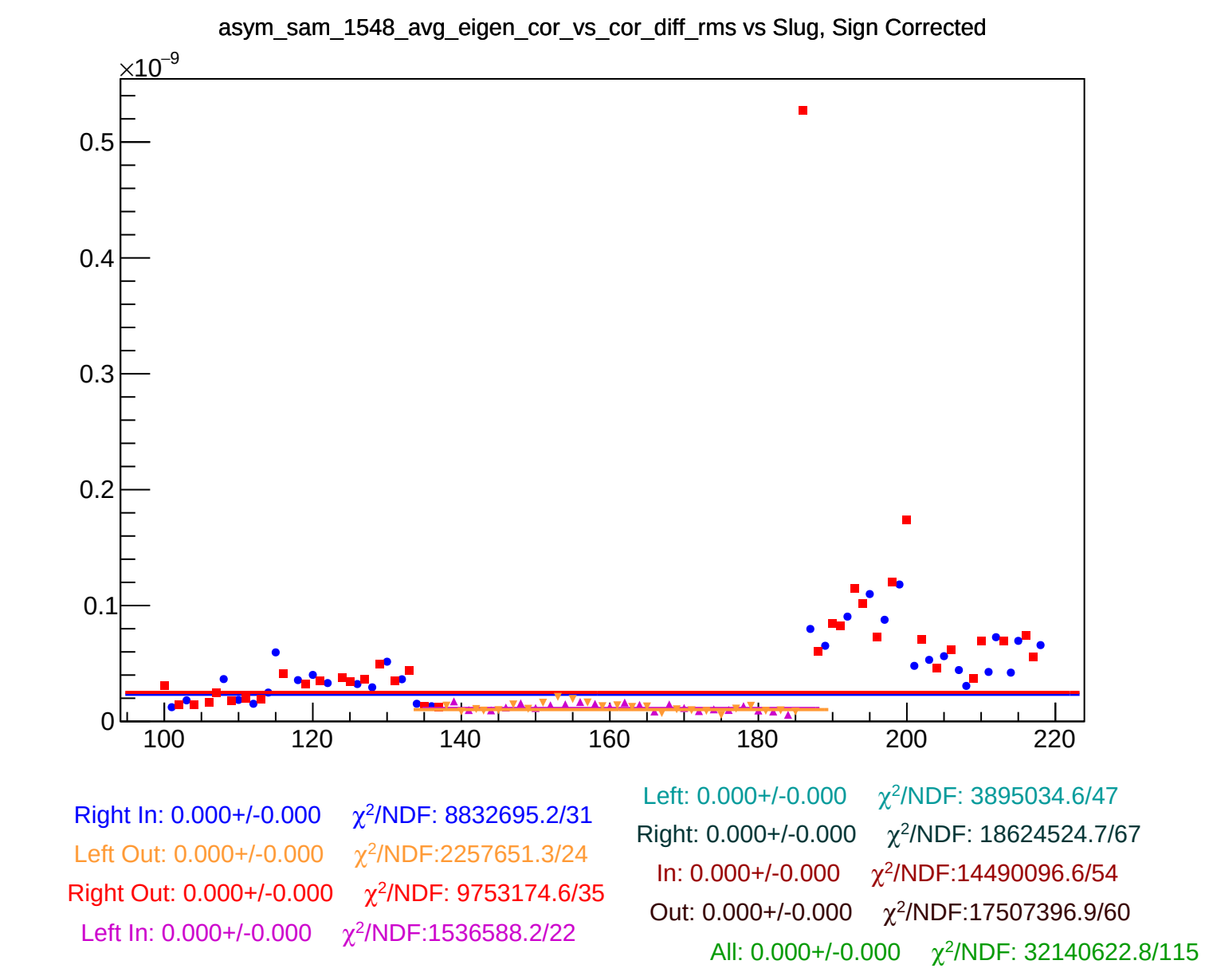
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

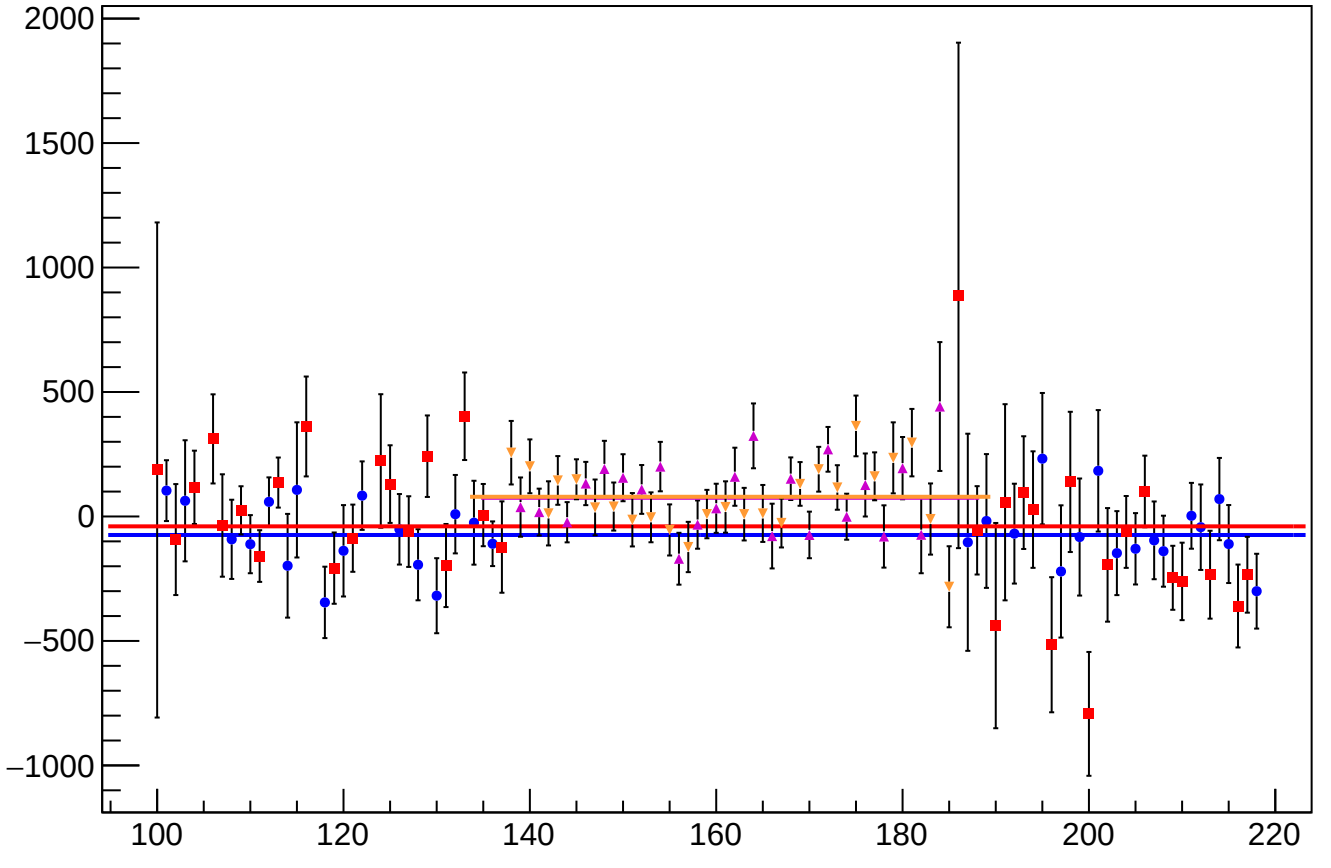
Right: 0.000+/-0.000 χ^2/NDF: 78.7/67

In: 0.000+/-0.000 χ^2/NDF:57.0/54

Out: 0.000+/-0.000 χ^2/NDF:70.9/60

All: 0.000+/-0.000 χ^2/NDF: 128.6/115


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8832695.2/31
Left Out: 0.000+/-0.000 χ²/NDF:2257651.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 9753174.6/35
Left In: 0.000+/-0.000 χ²/NDF:1536588.2/22
Left: 0.000+/-0.000 χ²/NDF: 3895034.6/47
Right: 0.000+/-0.000 χ²/NDF: 18624524.7/67
In: 0.000+/-0.000 χ²/NDF:14490096.6/54
Out: 0.000+/-0.000 χ²/NDF:17507396.9/60
All: 0.000+/-0.000 χ²/NDF: 32140622.8/115



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: -39.681+/-27.664 χ^2/NDF: 55.6/35

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

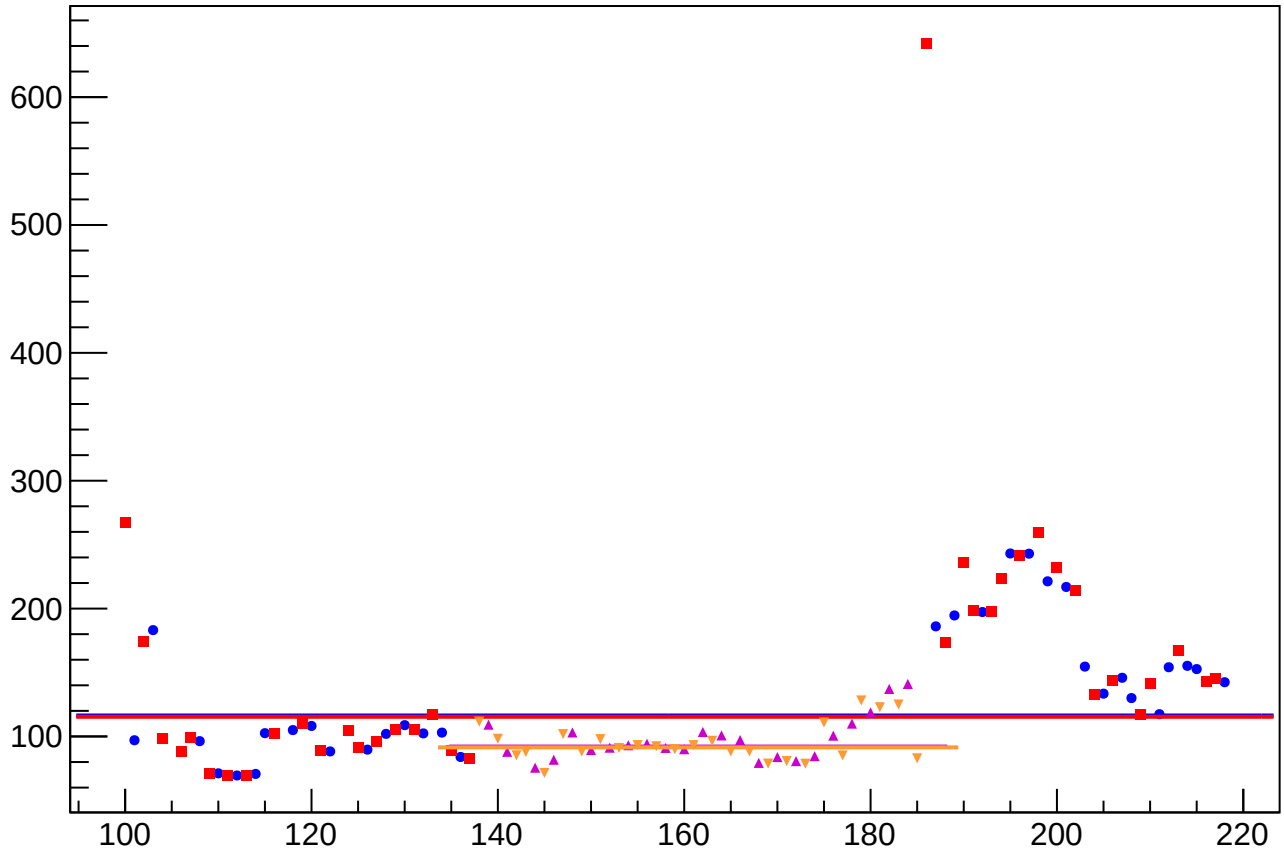
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -57.010+/-19.569 χ^2/NDF: 77.3/67

In: 17.742+/-17.145 χ^2/NDF:71.5/54

Out: 35.407+/-16.778 χ^2/NDF:99.2/60

All: 26.766+/-11.992 χ^2/NDF: 171.3/115



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: 115.387+/-0.020 χ^2/NDF: 5789790.3/35

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

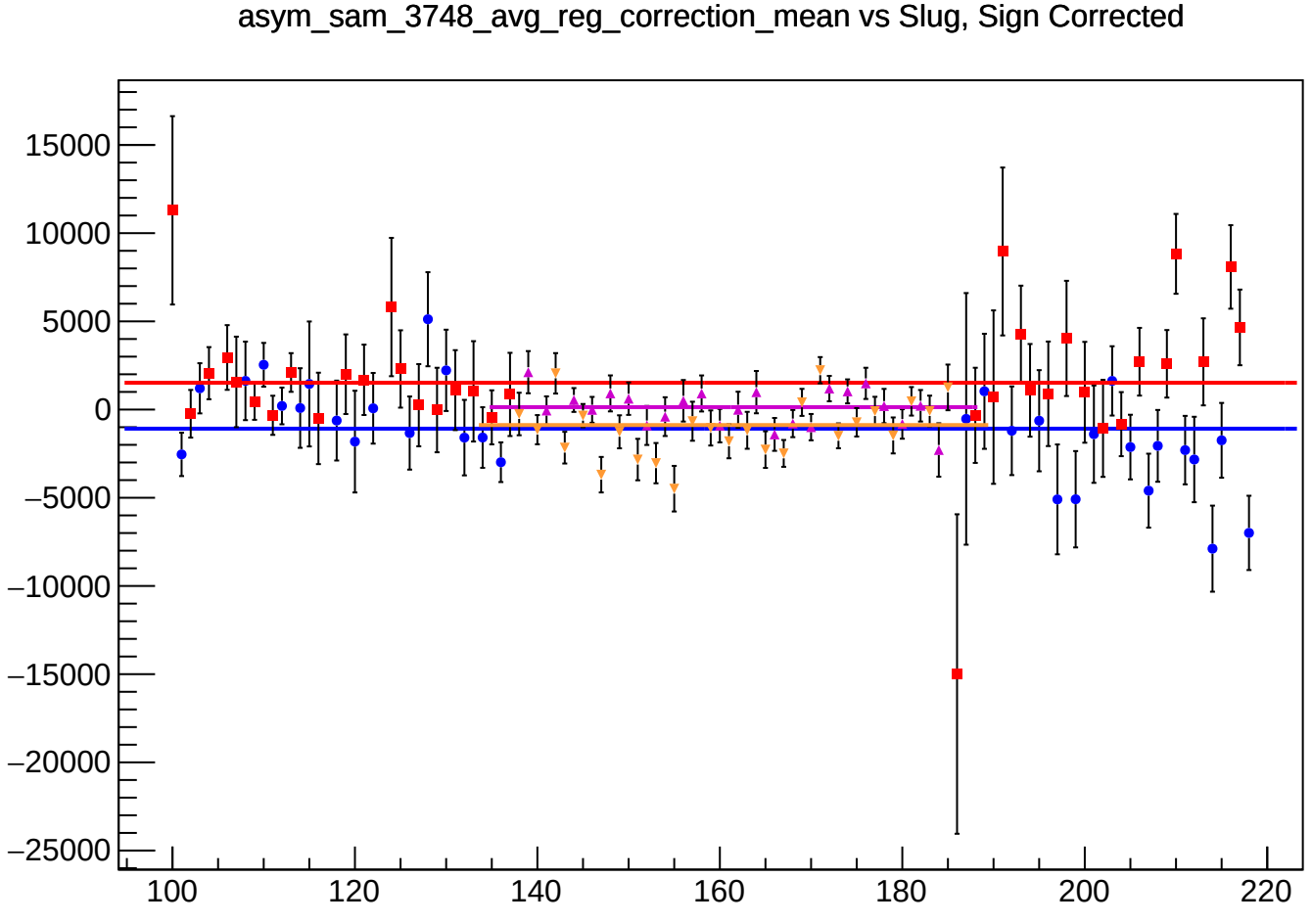
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 115.896+/-0.014 χ^2/NDF: 10162489.5/67

In: 101.423+/-0.012 χ^2/NDF:6021285.1/54

Out: 100.262+/-0.012 χ^2/NDF:7486697.1/60

All: 100.830+/-0.008 χ^2/NDF: 13512663.3/11



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: 1518.839+/-337.093 χ^2/NDF: 46.1/35

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

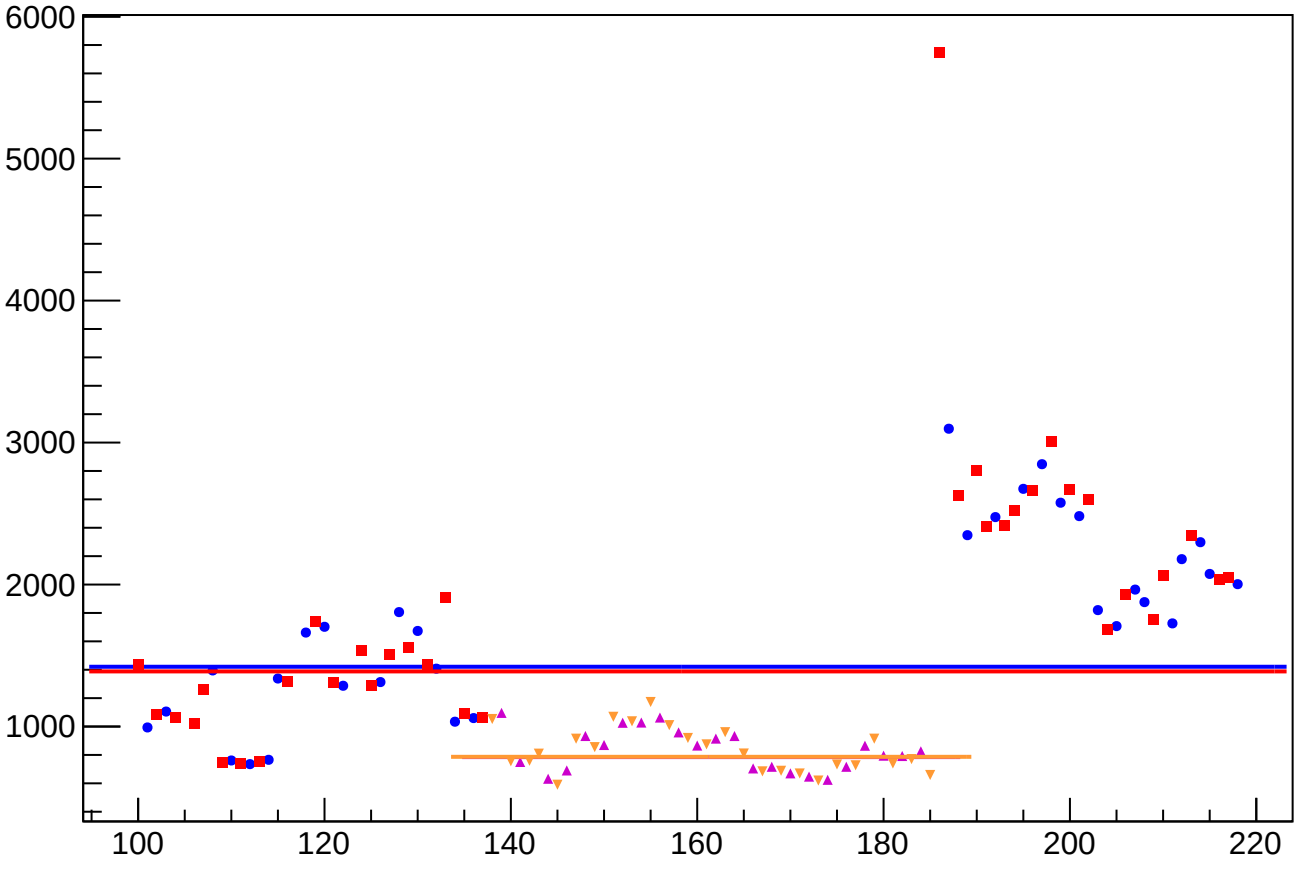
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 238.600+/-240.280 χ^2/NDF: 128.8/67

In: -140.902+/-163.851 χ^2/NDF:87.4/54

Out: -336.507+/-160.277 χ^2/NDF:152.9/60

All: -240.861+/-114.575 χ^2/NDF: 241.1/115



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: 1388.285+/-0.238 χ^2/NDF: 7193365.8/35

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

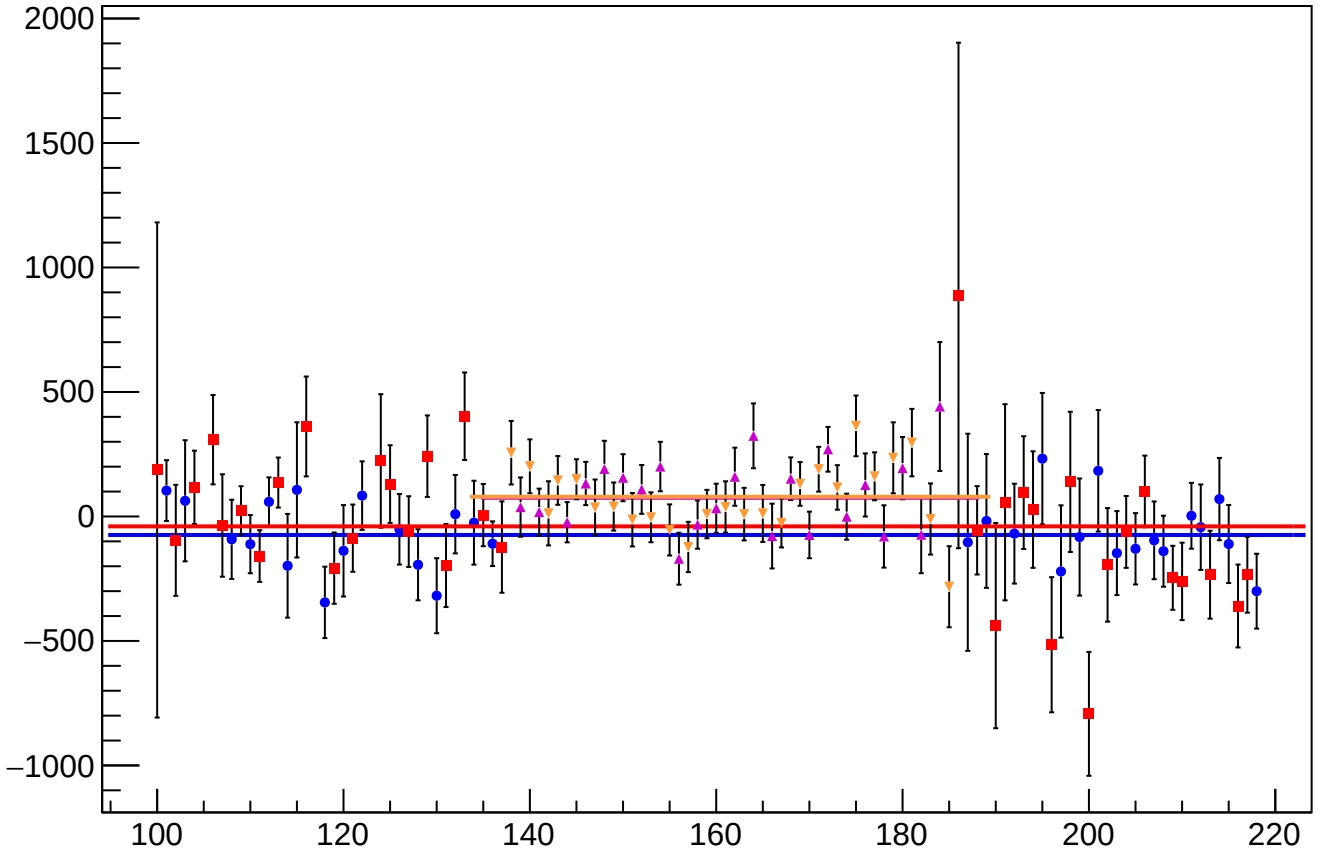
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1404.417+/-0.170 χ^2/NDF: 12869114.1/67

In: 930.370+/-0.116 χ^2/NDF:12050407.4/54

Out: 922.745+/-0.113 χ^2/NDF:13333071.0/60

All: 926.474+/-0.081 χ^2/NDF: 25385692.2/11



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: -39.851+/-27.666 χ^2/NDF: 55.5/35

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

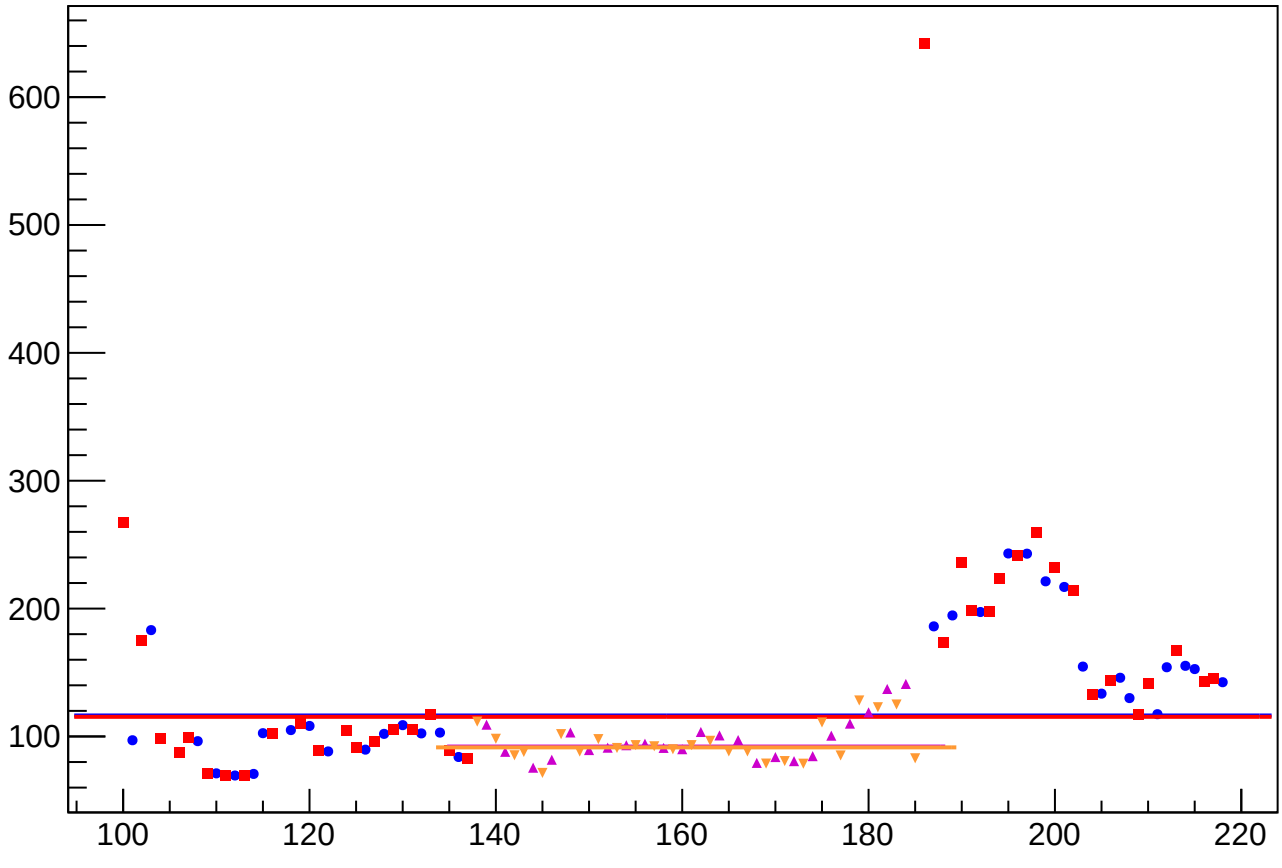
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -57.101+/-19.569 χ^2/NDF: 77.2/67

In: 17.739+/-17.145 χ^2/NDF:71.5/54

Out: 35.354+/-16.779 χ^2/NDF:99.2/60

All: 26.737+/-11.992 χ^2/NDF: 171.2/115



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: 115.360+/-0.020 χ^2/NDF: 5794200.4/35

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

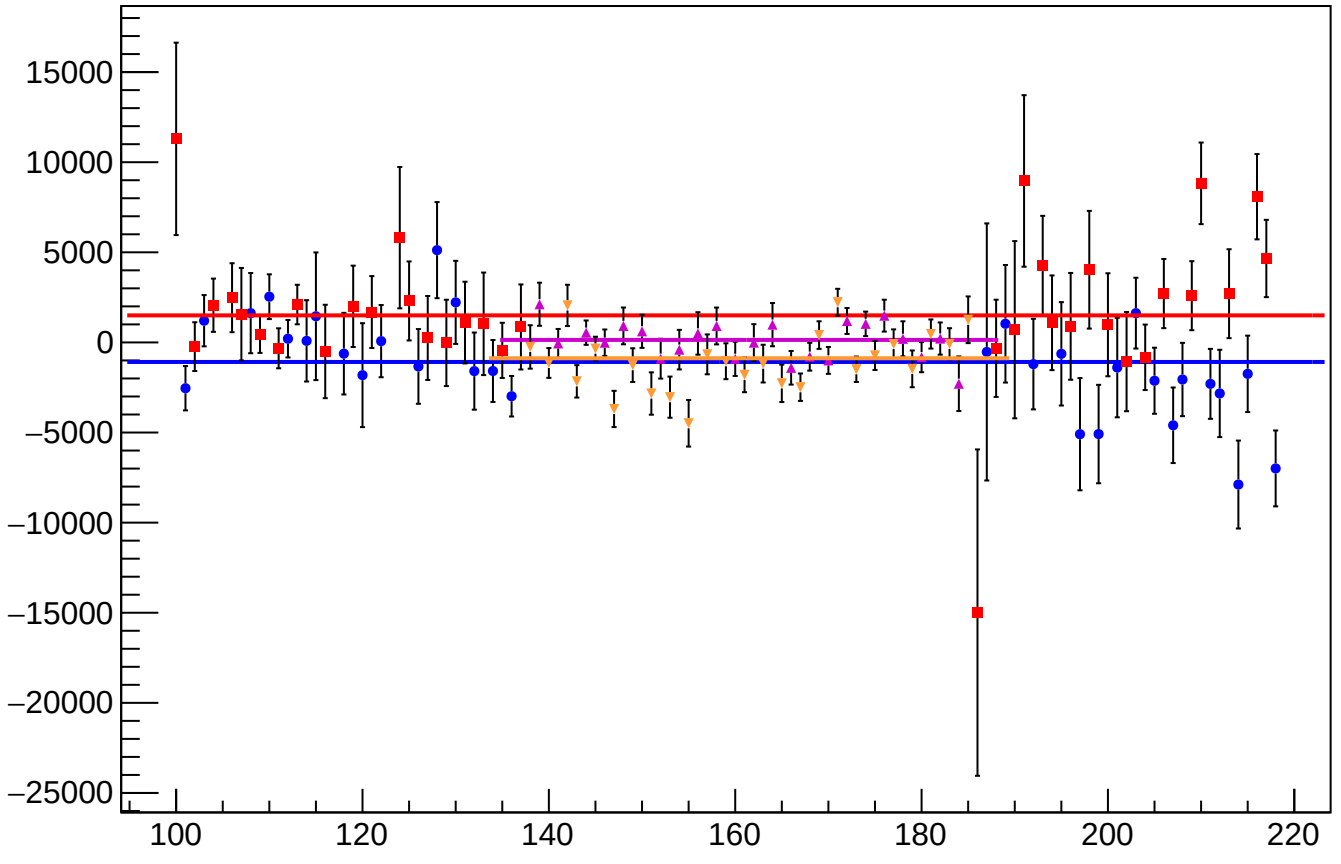
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 115.883+/-0.014 χ^2/NDF: 10166975.1/67

In: 101.423+/-0.012 χ^2/NDF:6021288.2/54

Out: 100.251+/-0.012 χ^2/NDF:7488884.2/60

All: 100.824+/-0.008 χ^2/NDF: 13514940.7/11



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: 1500.786+/-337.573 χ^2/NDF: 45.7/35

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

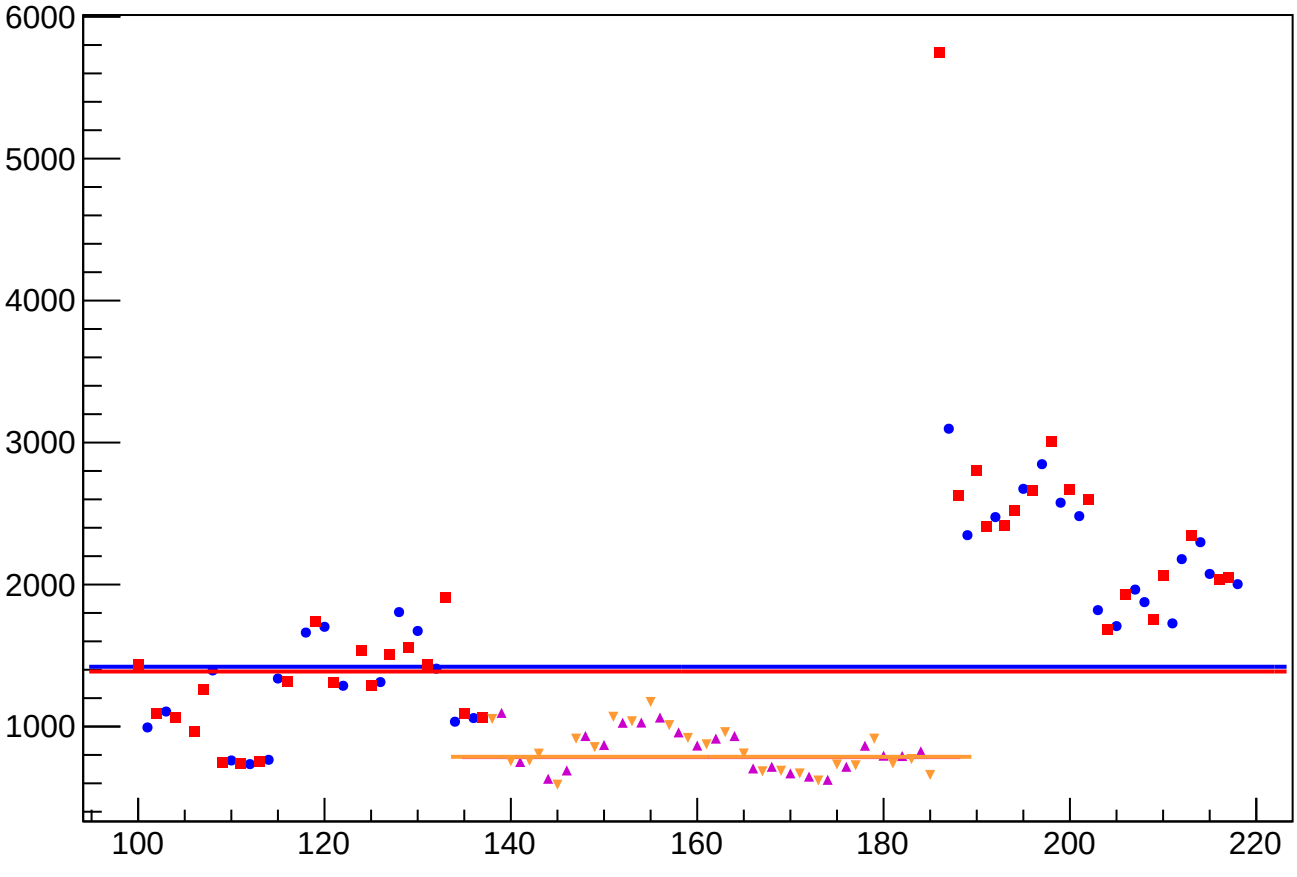
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 227.584+/-240.455 χ^2/NDF: 128.0/67

In: -140.903+/-163.851 χ^2/NDF:87.4/54

Out: -341.766+/-160.328 χ^2/NDF:151.9/60

All: -243.517+/-114.594 χ^2/NDF: 240.1/115



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: 1387.597+/-0.239 χ^2/NDF: 7210666.9/35

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

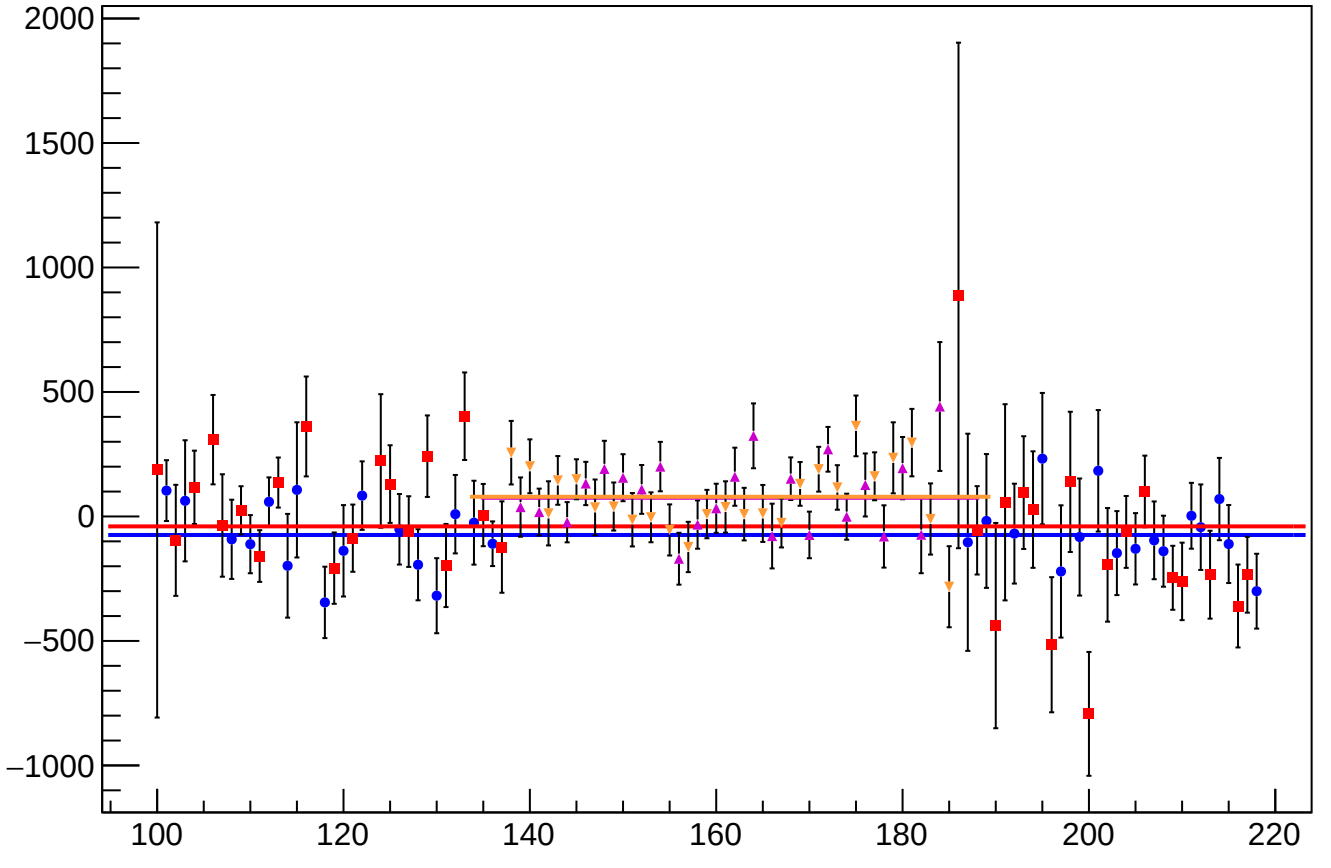
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1404.096+/-0.170 χ^2/NDF: 12886720.5/67

In: 930.372+/-0.116 χ^2/NDF:12050437.0/54

Out: 922.290+/-0.113 χ^2/NDF:13328281.8/60

All: 926.243+/-0.081 χ^2/NDF: 25381204.4/11



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: -39.851+/-27.666 χ^2/NDF: 55.5/35

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

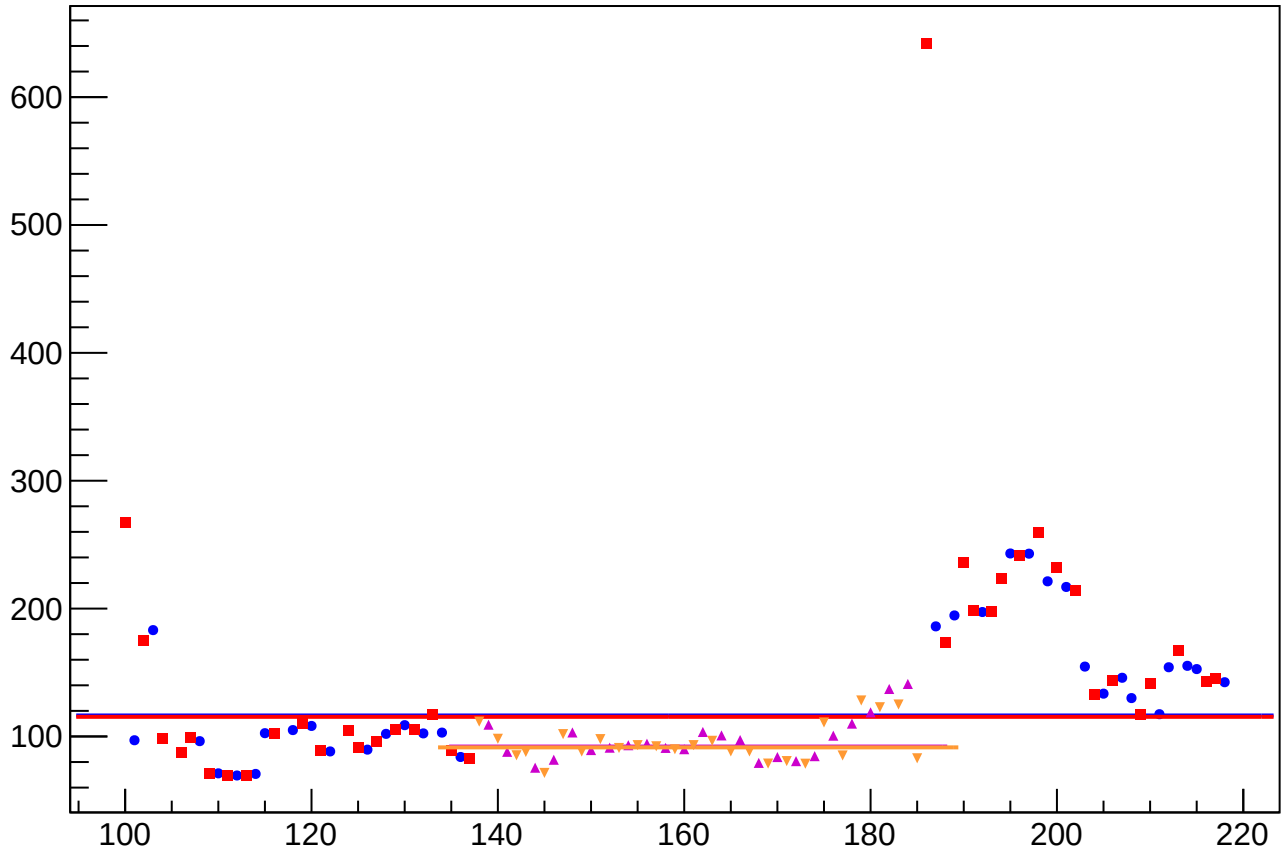
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -57.101+/-19.569 χ^2/NDF: 77.2/67

In: 17.739+/-17.145 χ^2/NDF:71.5/54

Out: 35.354+/-16.779 χ^2/NDF:99.2/60

All: 26.737+/-11.992 χ^2/NDF: 171.2/115



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: 115.360+/-0.020 χ^2/NDF: 5794200.4/35

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

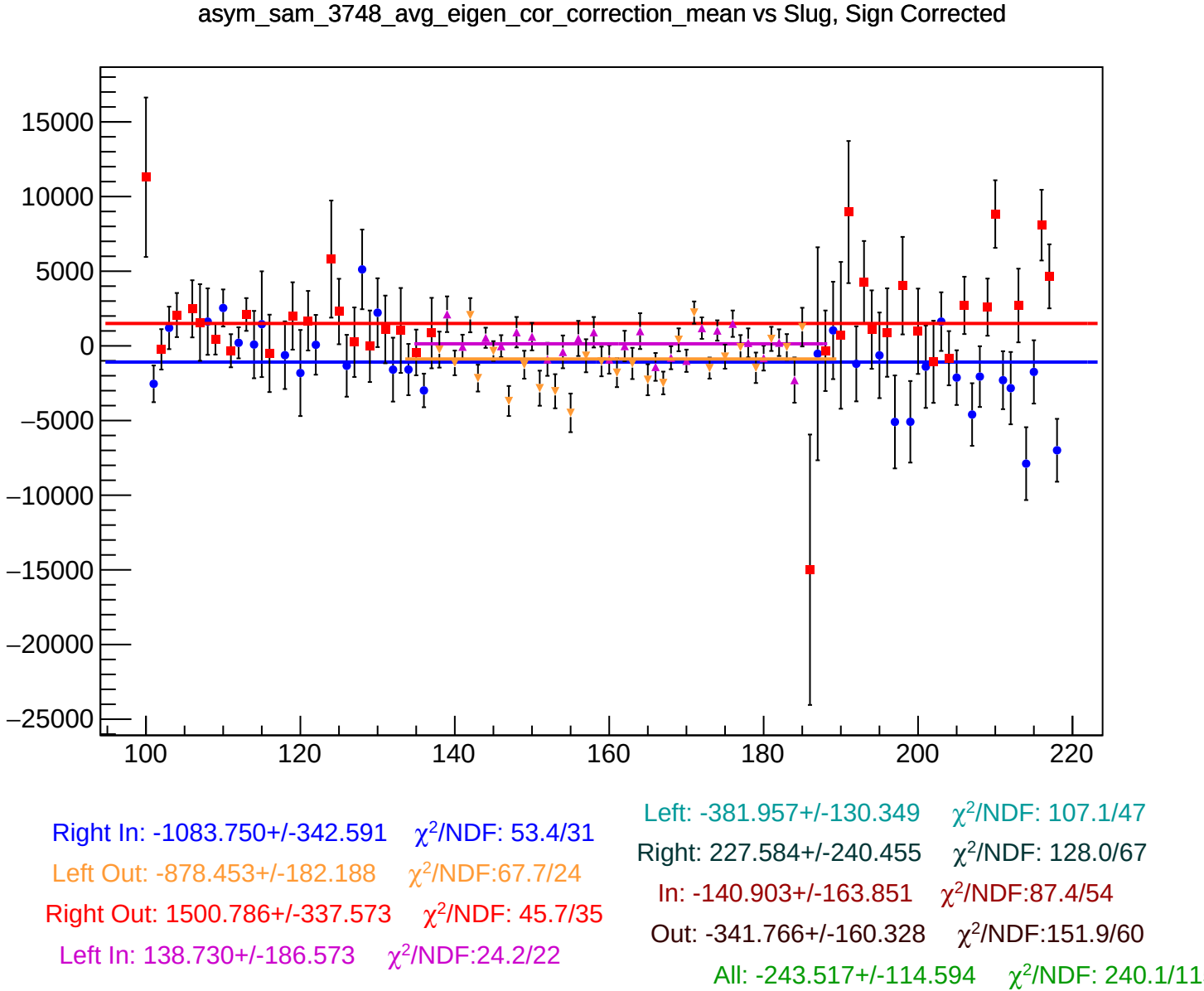
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 115.883+/-0.014 χ^2/NDF: 10166975.1/67

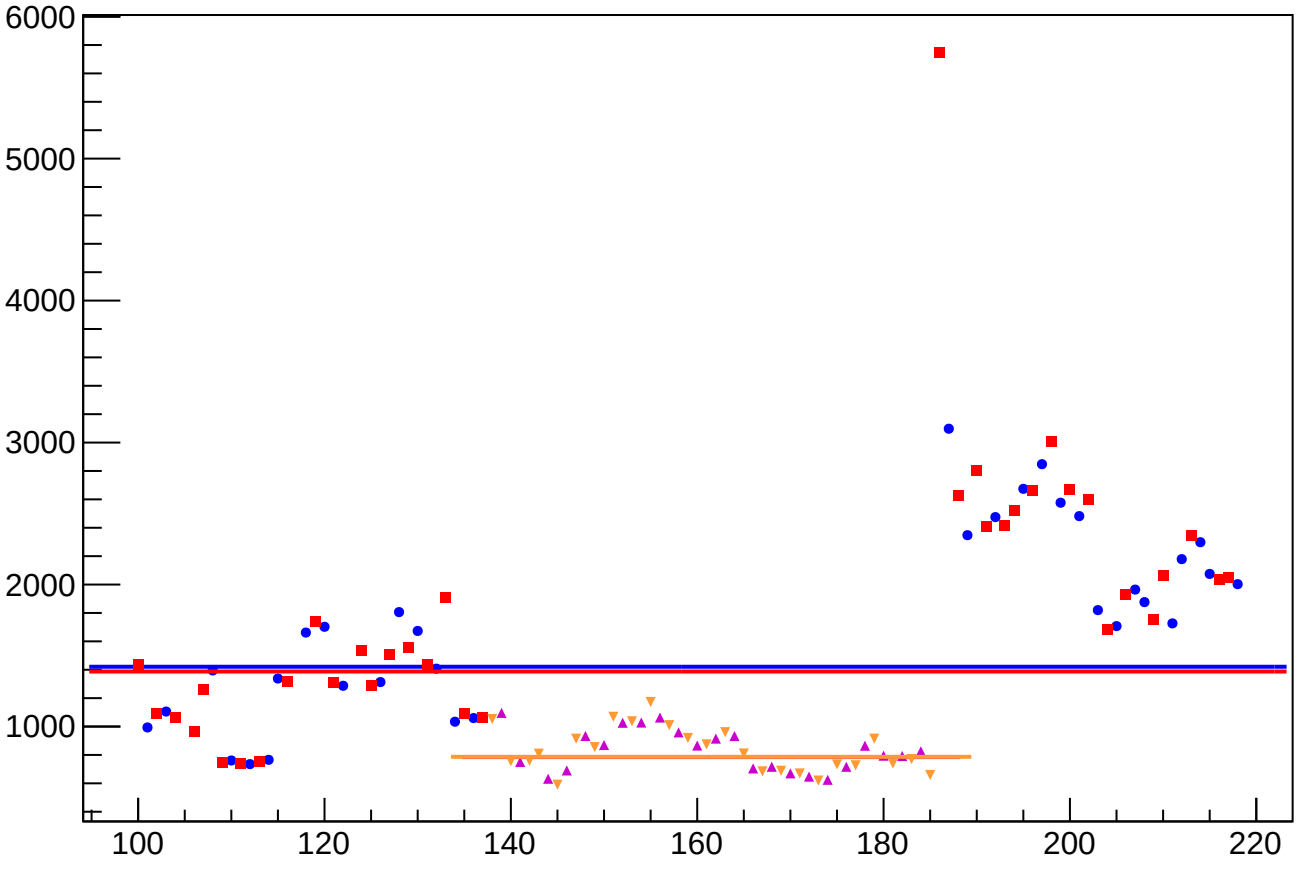
In: 101.423+/-0.012 χ^2/NDF:6021288.2/54

Out: 100.251+/-0.012 χ^2/NDF:7488884.2/60

All: 100.824+/-0.008 χ^2/NDF: 13514940.7/1


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: 1500.786+/-337.573 χ²/NDF: 45.7/35
Left In: 138.730+/-186.573 χ²/NDF:24.2/22
Left: -381.957+/-130.349 χ²/NDF: 107.1/47
Right: 227.584+/-240.455 χ²/NDF: 128.0/67
In: -140.903+/-163.851 χ²/NDF:87.4/54
Out: -341.766+/-160.328 χ²/NDF:151.9/60
All: -243.517+/-114.594 χ²/NDF: 240.1/115

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: 1387.597+/-0.239 χ^2/NDF: 7210666.9/35

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

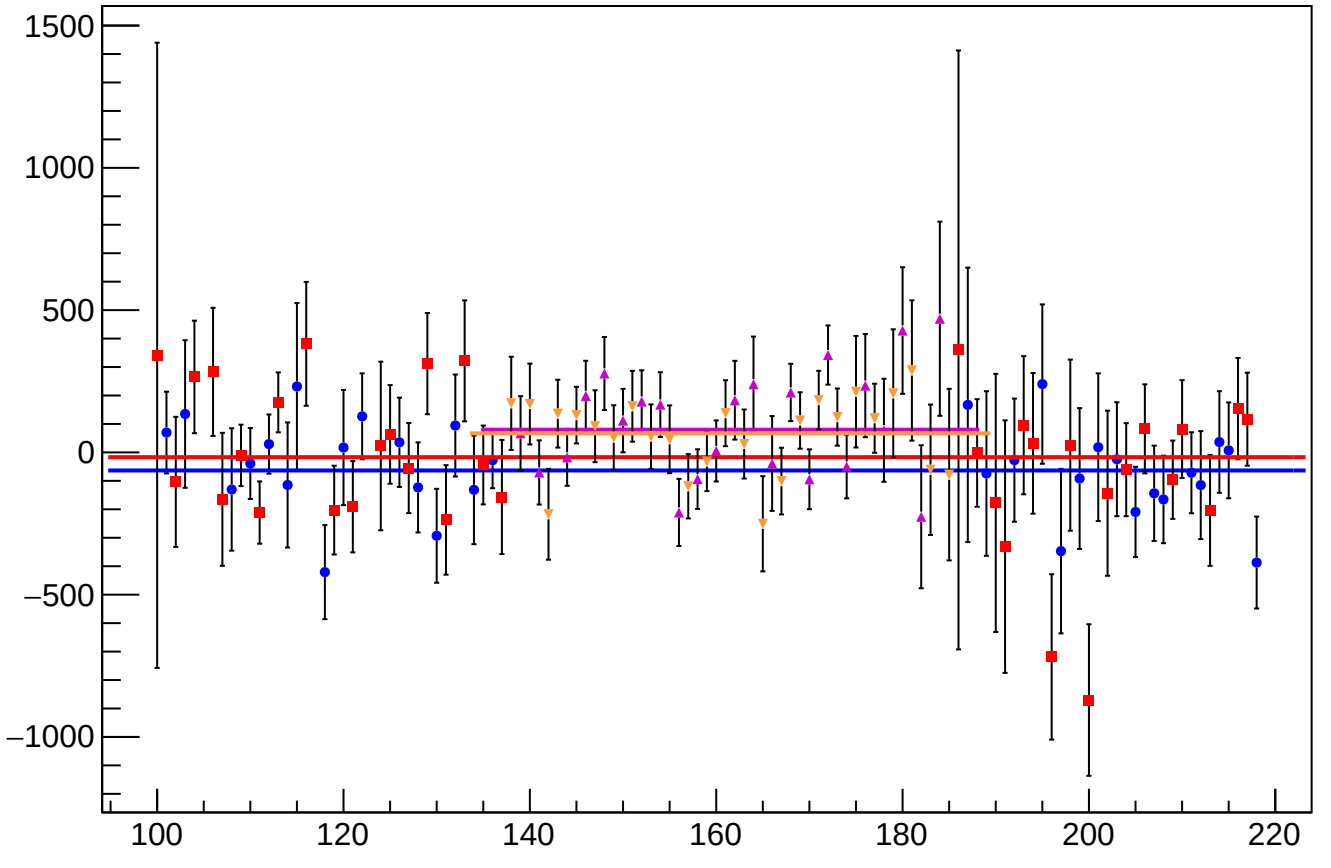
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1404.096+/-0.170 χ^2/NDF: 12886720.5/67

In: 930.372+/-0.116 χ^2/NDF:12050437.0/54

Out: 922.290+/-0.113 χ^2/NDF:13328281.8/60

All: 926.243+/-0.081 χ^2/NDF: 25381204.4/11



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: -16.781+/-30.601 χ^2/NDF: 46.0/35

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

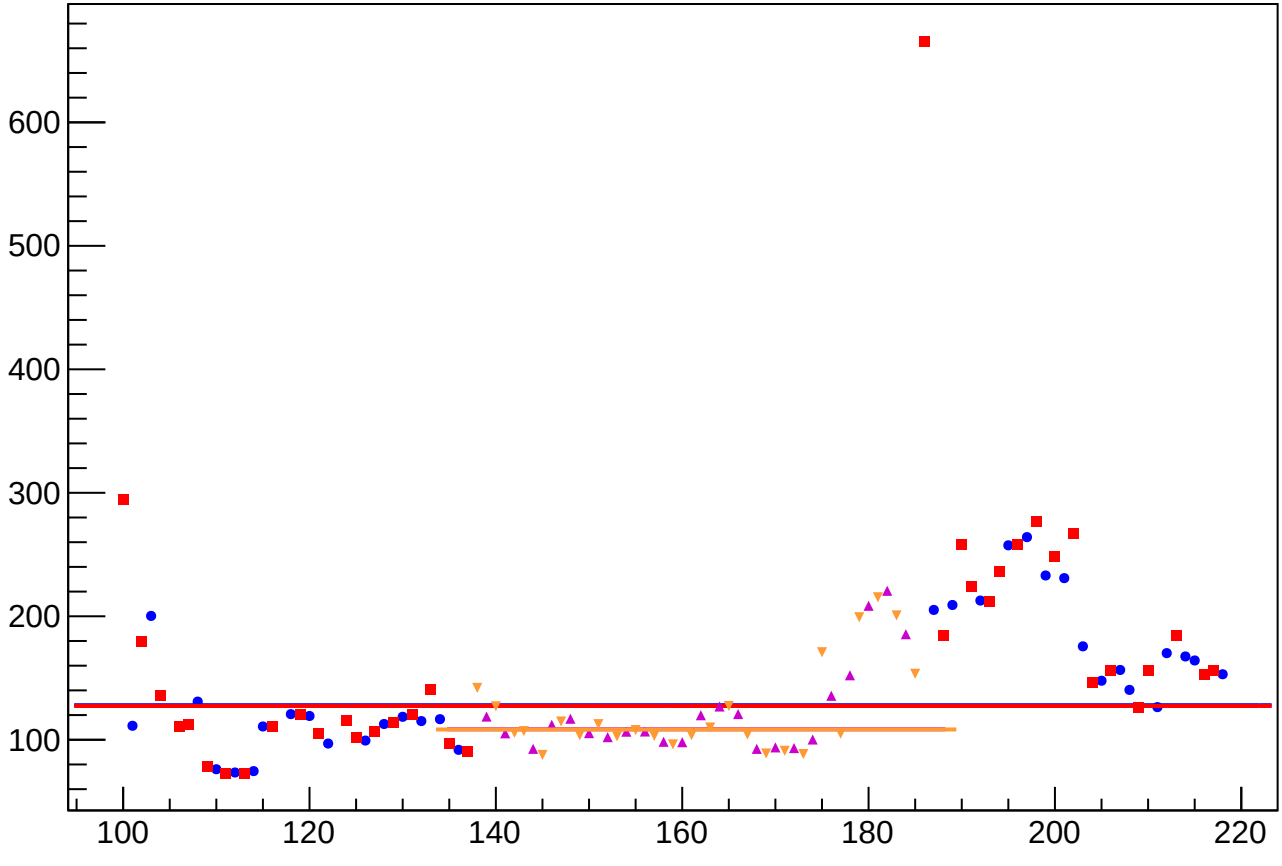
Right: -40.236+/-21.597 χ^2/NDF: 69.2/67

In: 18.632+/-19.913 χ^2/NDF:71.6/54

Out: 32.471+/-19.628 χ^2/NDF:70.0/60

All: 25.651+/-13.979 χ^2/NDF: 141.8/115

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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: 127.370+/-0.022 χ^2/NDF: 5733451.9/35

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

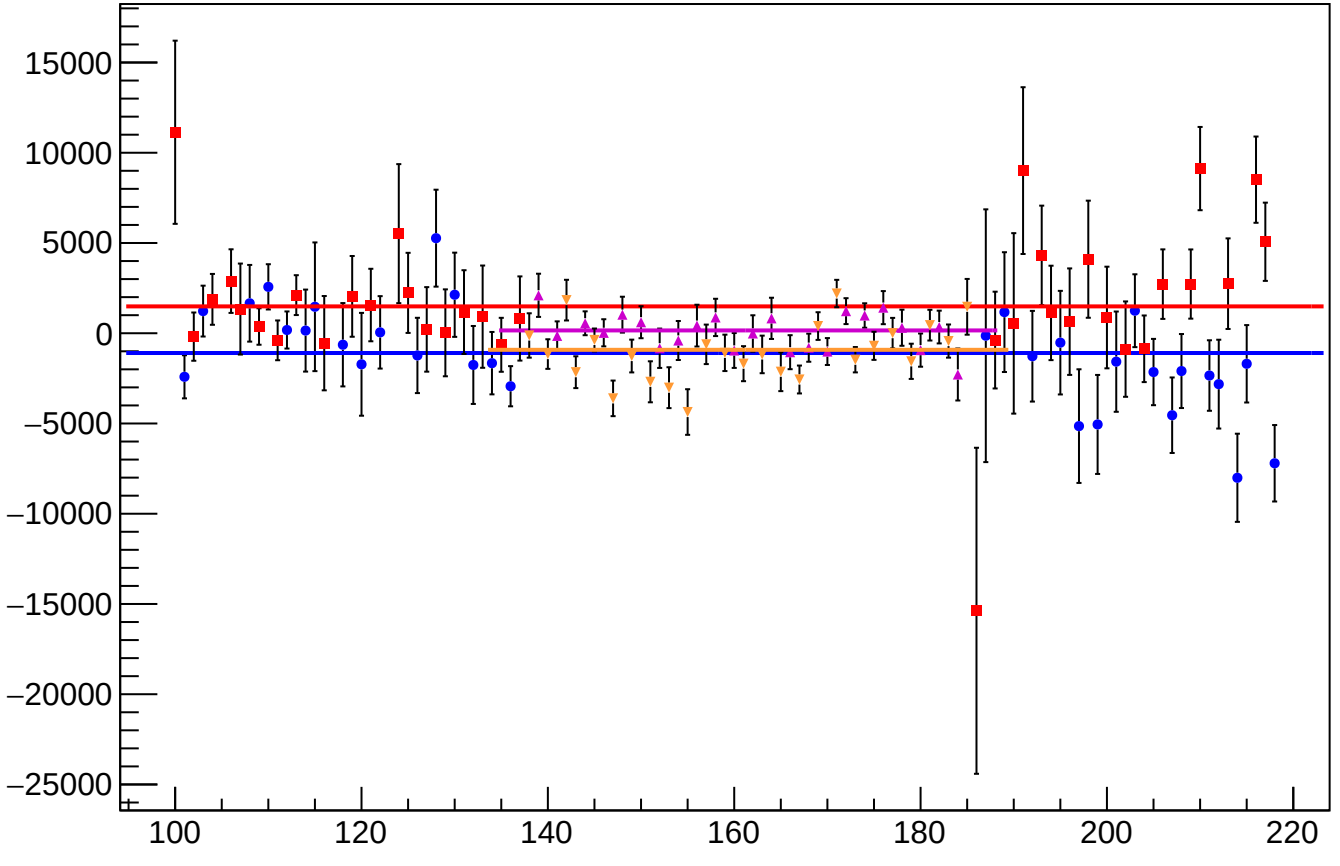
Right: 127.678+/-0.015 χ^2/NDF: 10020833.6/67

In: 116.809+/-0.014 χ^2/NDF:6135143.6/54

Out: 116.163+/-0.014 χ^2/NDF:7963786.4/60

All: 116.482+/-0.010 χ^2/NDF: 14099996.3/11

asym_sam_3748_avg_dit_correction_mean vs Slug, Sign Corrected



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: 1487.560+/-334.550 χ^2/NDF: 49.4/35

Left In: 155.874+/-187.116 χ^2/NDF:23.1/22

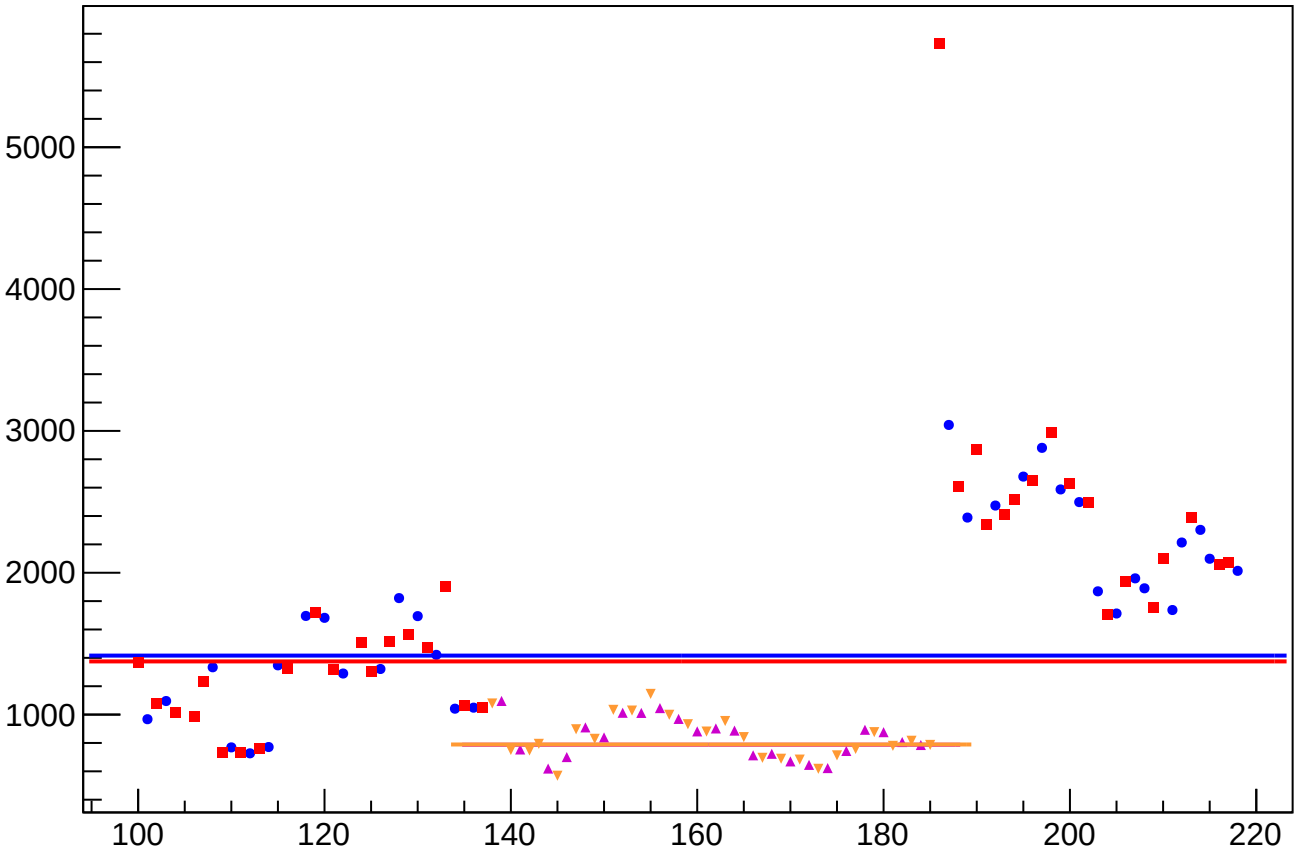
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 224.811+/-239.169 χ^2/NDF: 132.2/67

In: -132.280+/-164.158 χ^2/NDF:87.0/54

Out: -367.069+/-160.186 χ^2/NDF:153.4/60

All: -252.549+/-114.647 χ^2/NDF: 241.4/115



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: 1374.922+/-0.237 χ^2/NDF: 7354284.7/35

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

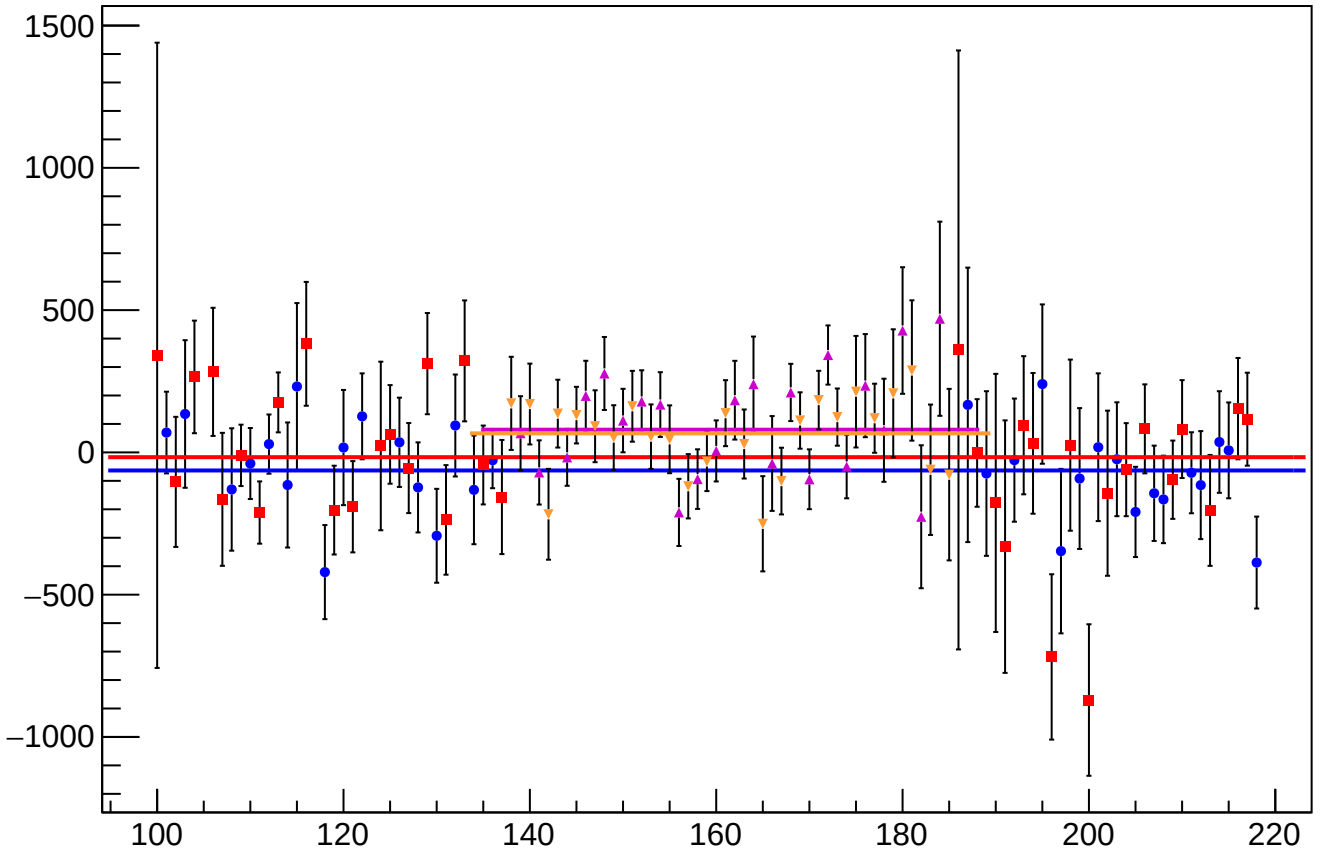
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1394.971+/-0.169 χ^2/NDF: 13202383.9/67

In: 932.162+/-0.116 χ^2/NDF:12072698.1/54

Out: 923.521+/-0.113 χ^2/NDF:13255254.0/60

All: 927.736+/-0.081 χ^2/NDF: 25330791.4/11



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: -16.783+/-30.601 χ^2/NDF: 46.0/35

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

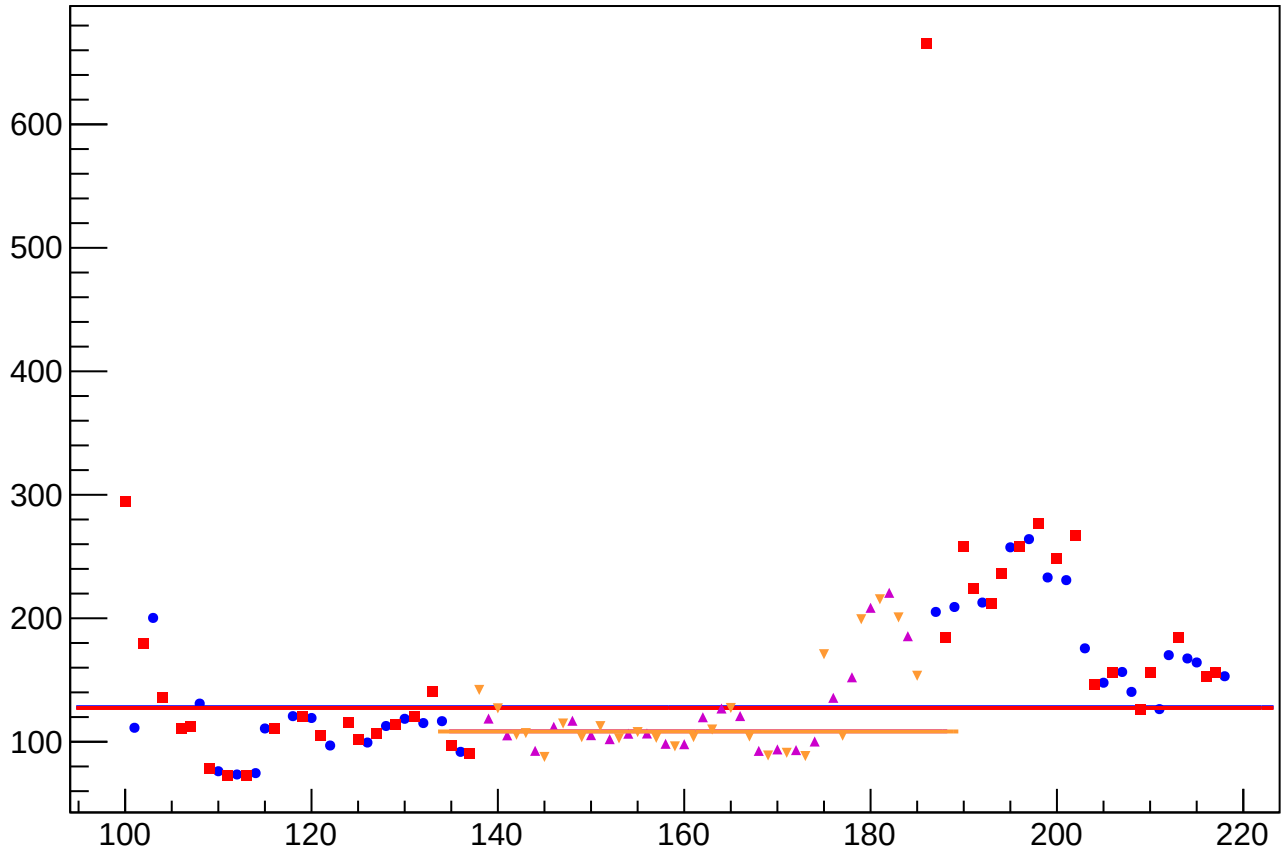
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -40.236+/-21.597 χ^2/NDF: 69.2/67

In: 18.633+/-19.913 χ^2/NDF:71.6/54

Out: 32.470+/-19.628 χ^2/NDF:70.0/60

All: 25.651+/-13.979 χ^2/NDF: 141.8/115



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: 127.370+/-0.022 χ^2/NDF: 5733449.6/35

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

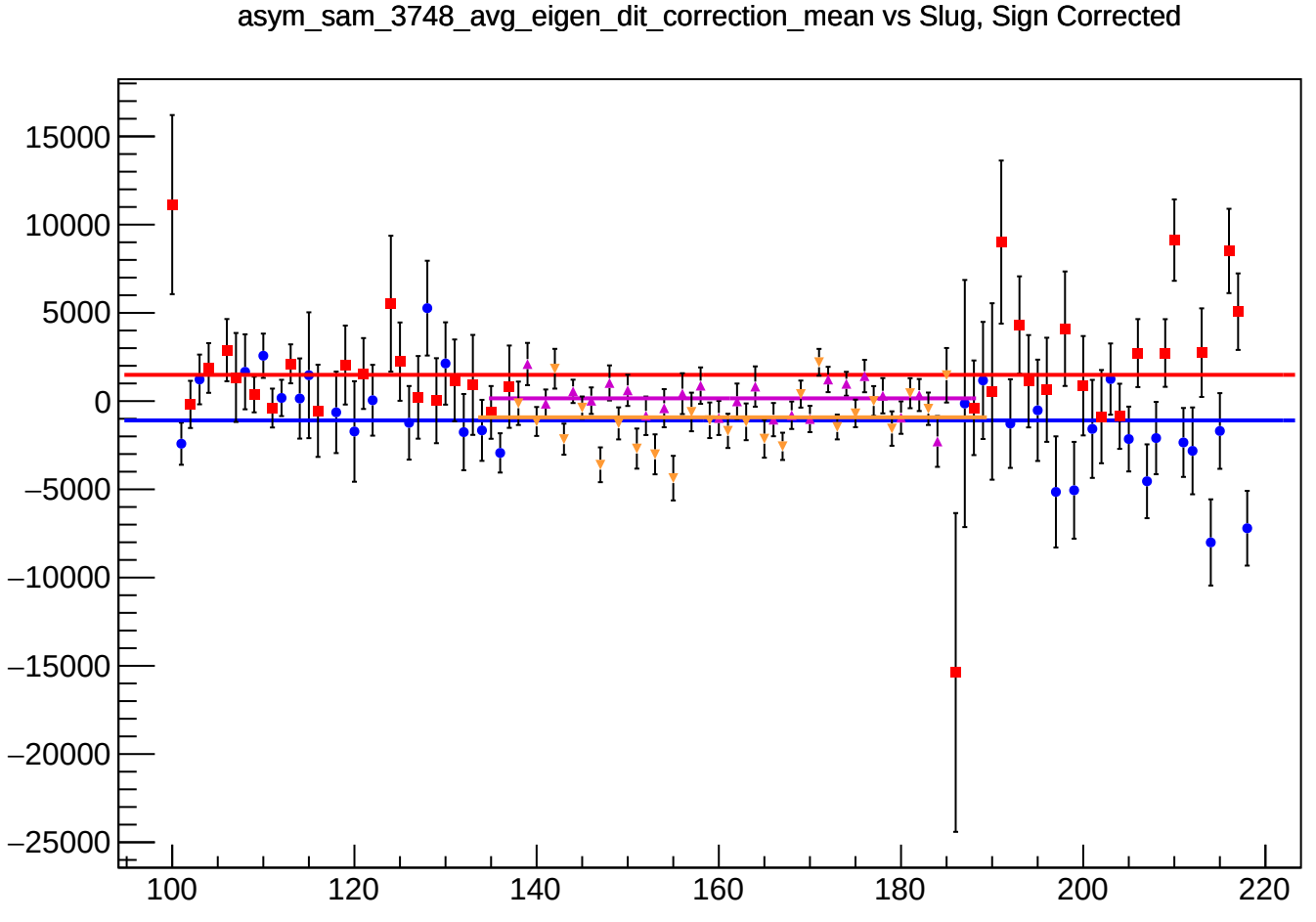
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 127.678+/-0.015 χ^2/NDF: 10020814.0/67

In: 116.809+/-0.014 χ^2/NDF:6135097.5/54

Out: 116.164+/-0.014 χ^2/NDF:7963768.9/60

All: 116.482+/-0.010 χ^2/NDF: 14099932.7/11



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: 1487.557+/-334.550 χ^2/NDF: 49.4/35

Left In: 155.873+/-187.115 χ^2/NDF:23.1/22

Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

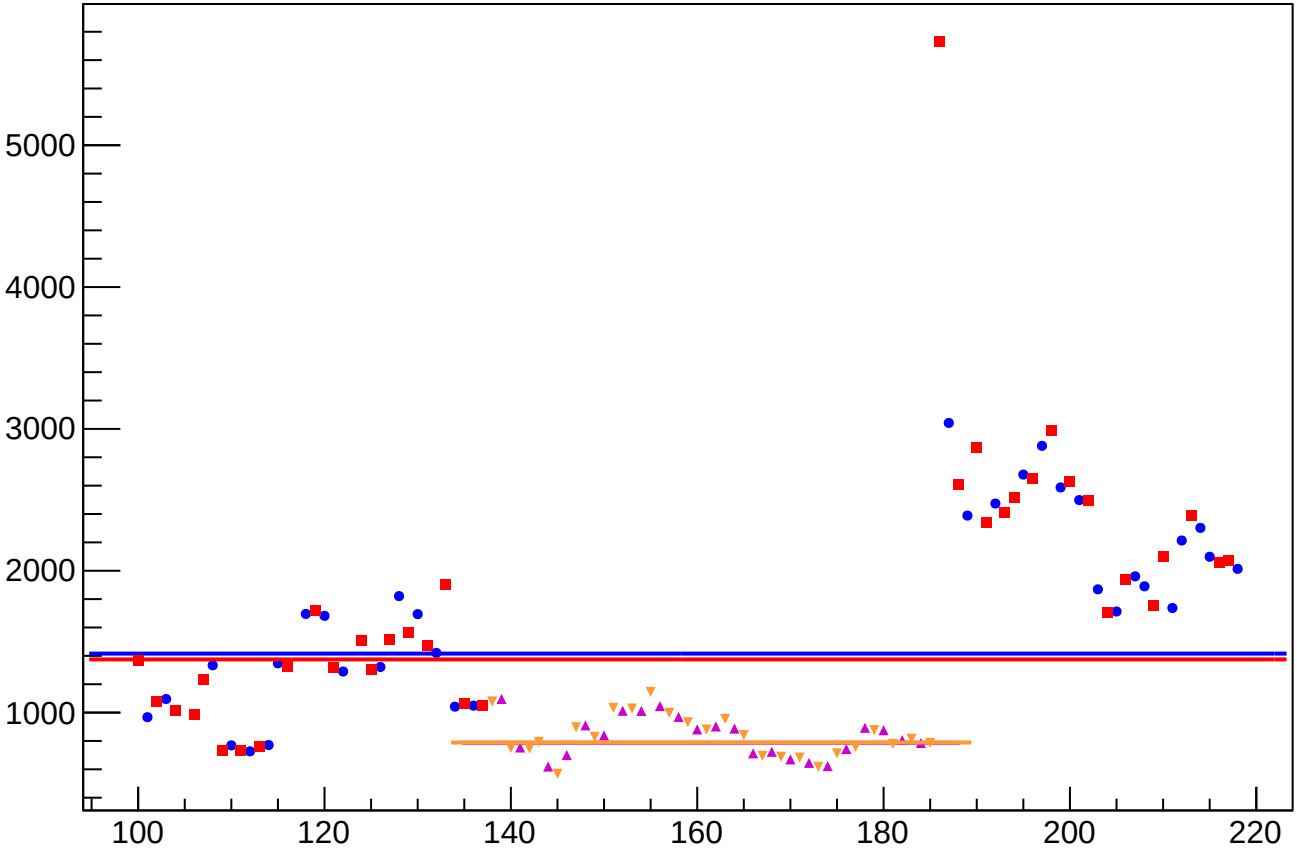
Right: 224.810+/-239.169 χ^2/NDF: 132.2/67

In: -132.279+/-164.158 χ^2/NDF:87.0/54

Out: -367.070+/-160.186 χ^2/NDF:153.4/60

All: -252.549+/-114.647 χ^2/NDF: 241.4/115

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: 1374.920+/-0.237 χ^2/NDF: 7354294.2/35

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

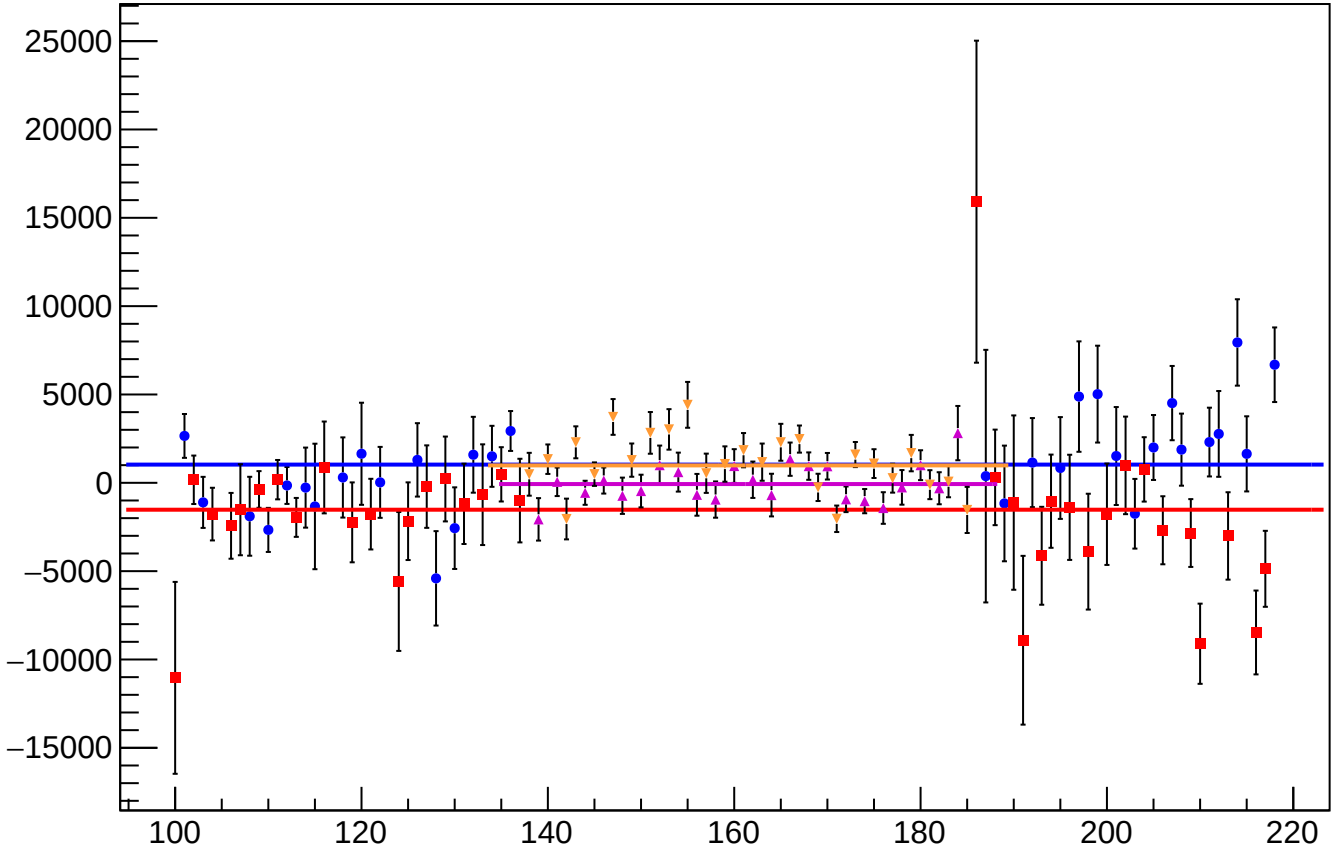
Right: 1394.969+/-0.169 χ^2/NDF: 13202407.3/67

In: 932.161+/-0.116 χ^2/NDF:12072713.3/54

Out: 923.519+/-0.113 χ^2/NDF:13255270.1/60

All: 927.734+/-0.081 χ^2/NDF: 25330822.7/11

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: -1522.267+/-338.753 χ^2/NDF: 47.1/35

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

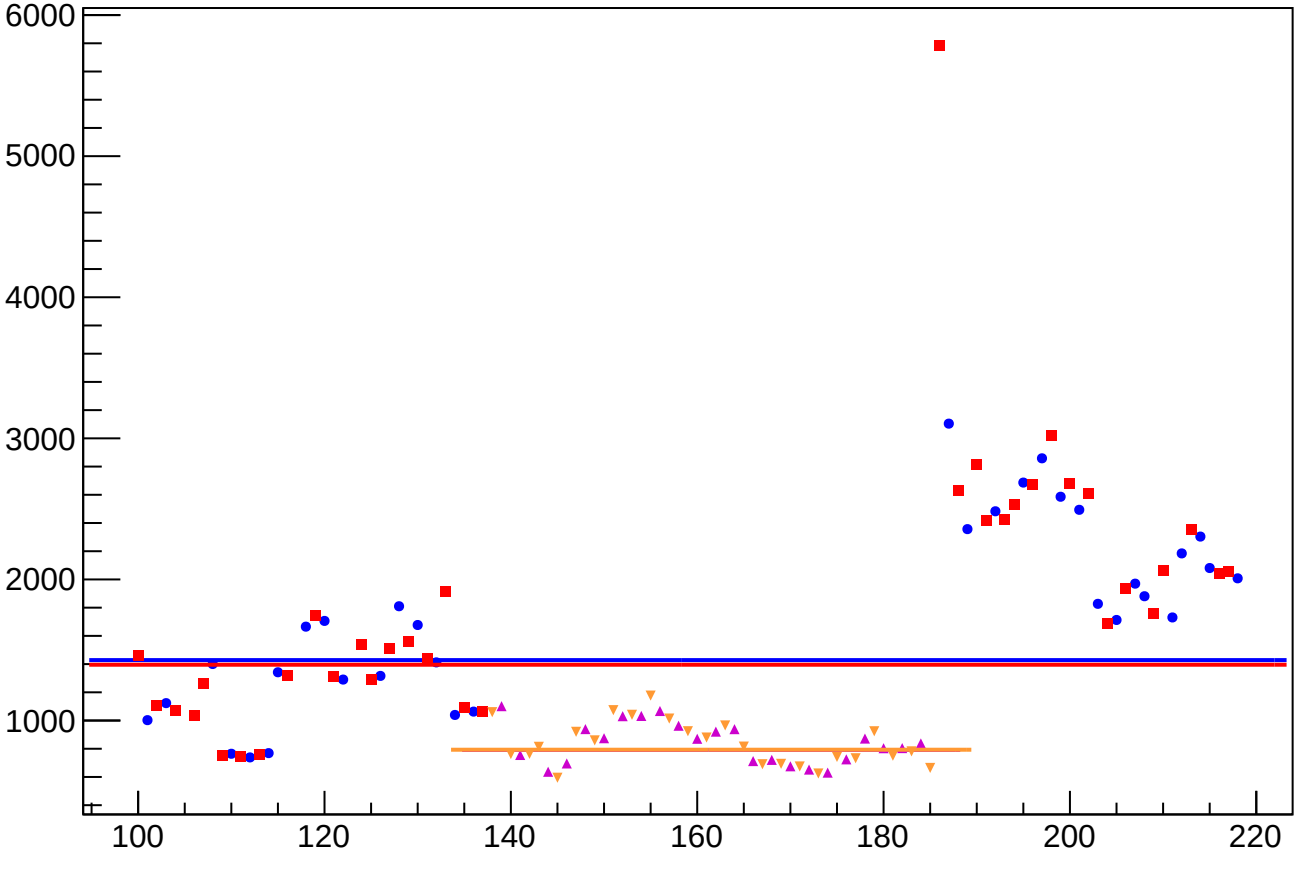
Right: -265.776+/-241.429 χ^2/NDF: 128.7/67

In: 183.080+/-165.015 χ^2/NDF:85.9/54

Out: 416.220+/-161.417 χ^2/NDF:153.2/60

All: 302.219+/-115.390 χ^2/NDF: 240.1/115

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: 1395.557+/-0.240 χ^2/NDF: 7163344.0/35

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

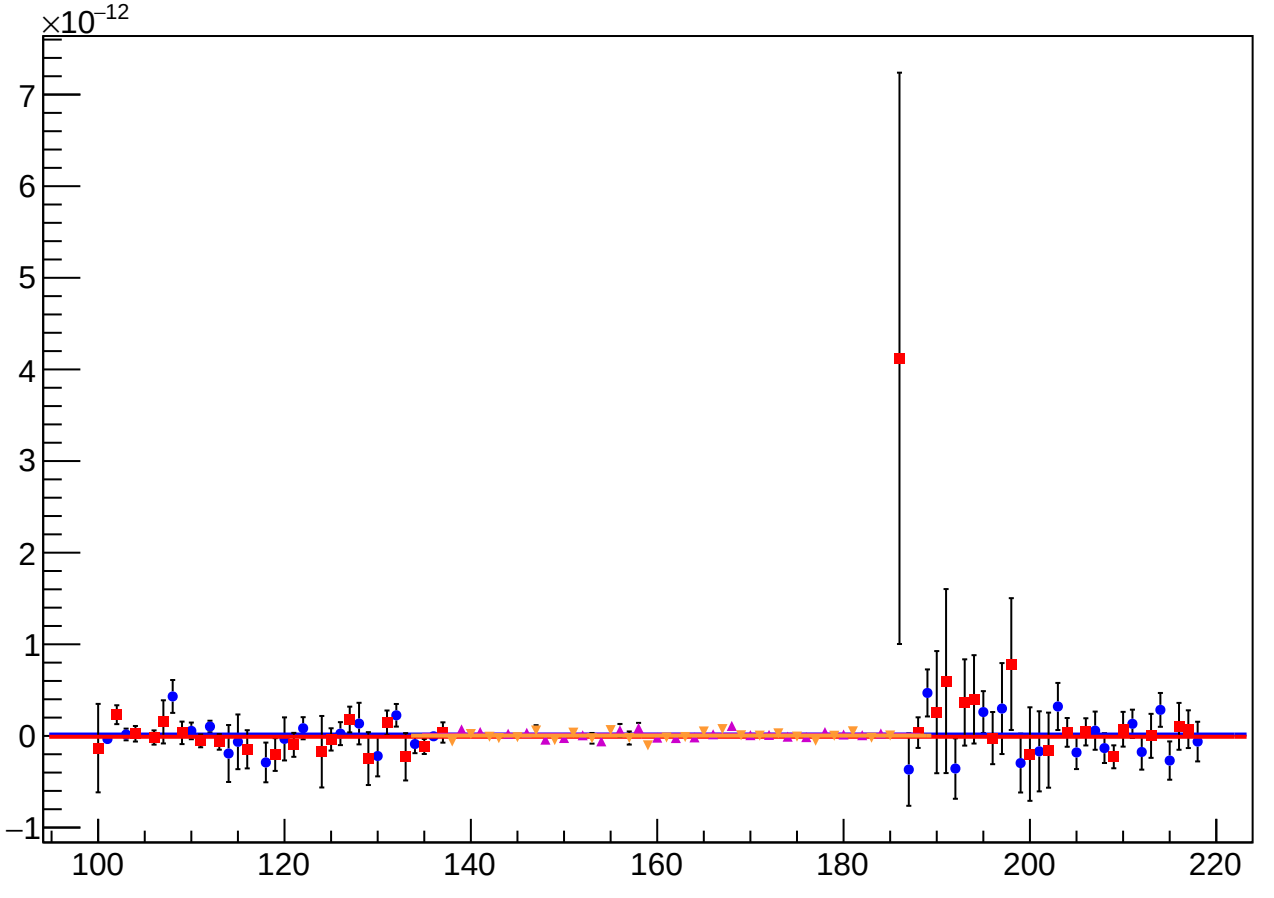
Right: 1411.678+/-0.171 χ^2/NDF: 12807844.1/67

In: 937.620+/-0.117 χ^2/NDF:11963199.2/54

Out: 929.853+/-0.114 χ^2/NDF:13247603.2/60

All: 933.651+/-0.082 χ^2/NDF: 25213066.9/11

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: 24.8/35

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

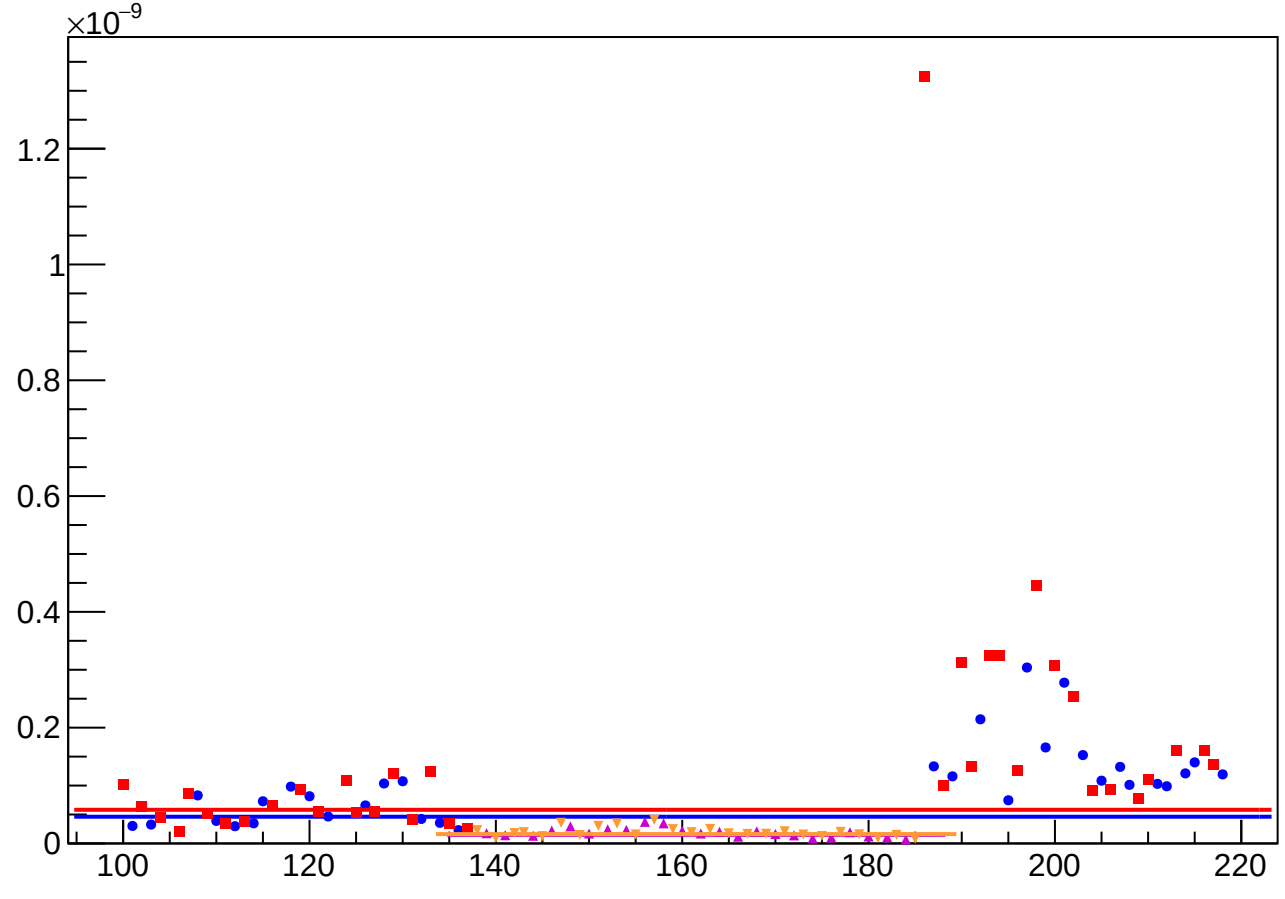
Right: 0.000+/-0.000 χ^2/NDF: 59.4/67

In: 0.000+/-0.000 χ^2/NDF:59.2/54

Out: 0.000+/-0.000 χ^2/NDF:59.1/60

All: 0.000+/-0.000 χ^2/NDF: 119.5/115

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 6618472.7/35

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

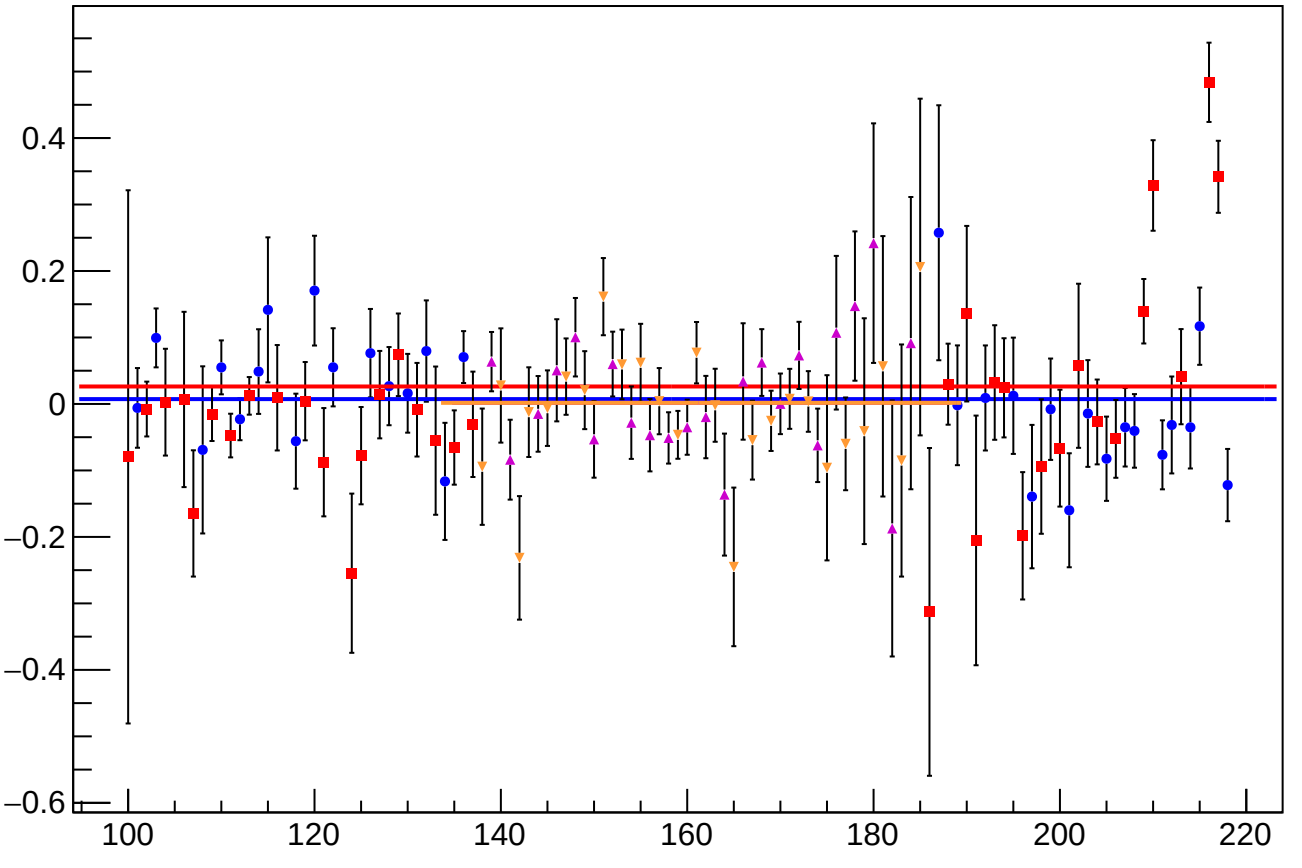
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 13359085.0/67

In: 0.000+/-0.000 χ^2/NDF:12429234.2/54

Out: 0.000+/-0.000 χ^2/NDF:13893947.9/60

All: 0.000+/-0.000 χ^2/NDF: 26366418.2/115



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: 0.026+/-0.011 χ^2/NDF: 158.2/35

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

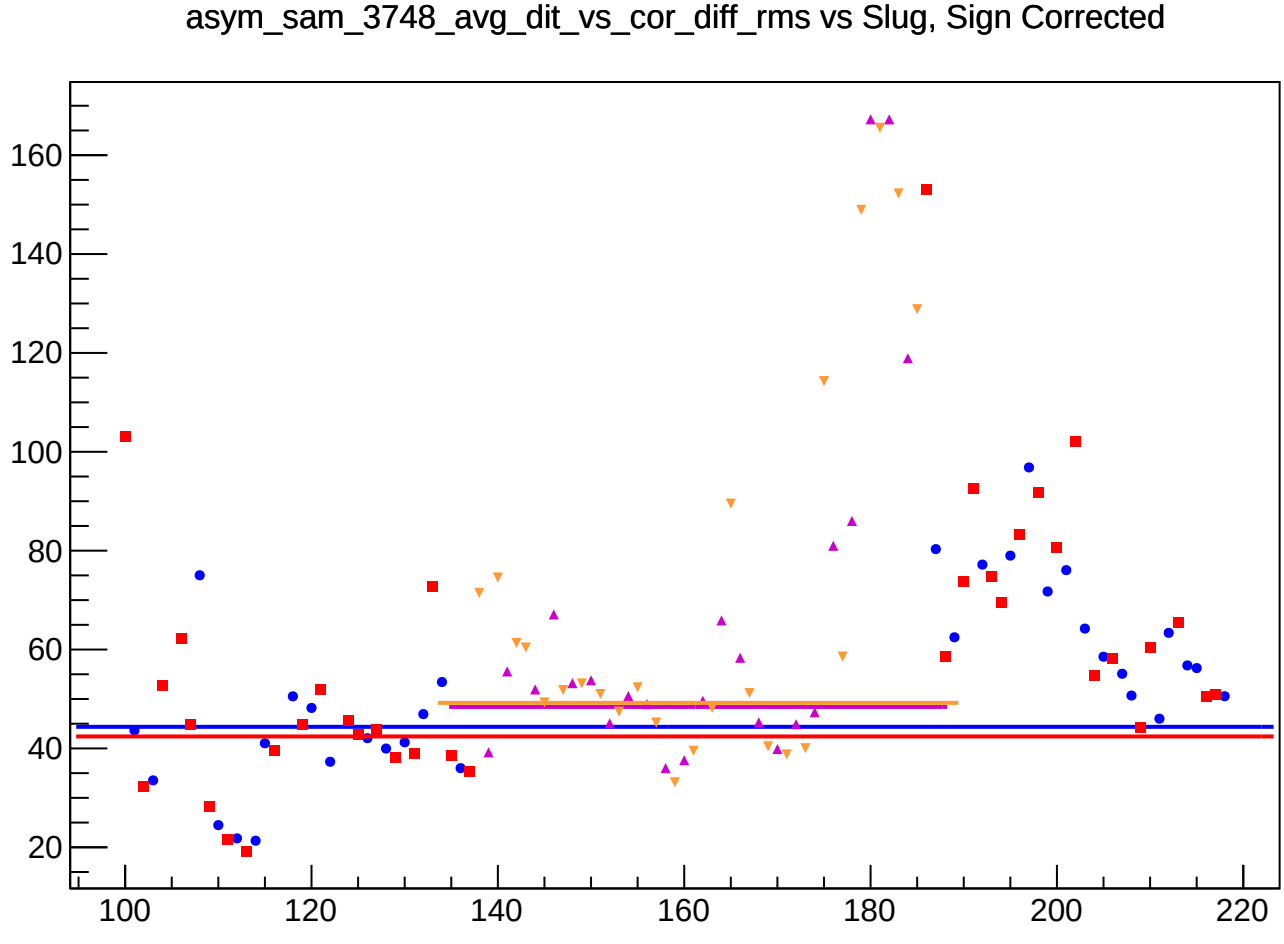
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.017+/-0.008 χ^2/NDF: 204.1/67

In: 0.005+/-0.008 χ^2/NDF:70.5/54

Out: 0.016+/-0.008 χ^2/NDF:190.9/60

All: 0.010+/-0.006 χ^2/NDF: 262.4/115



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: 42.420+/-0.007 χ^2/NDF: 6560345.8/35

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

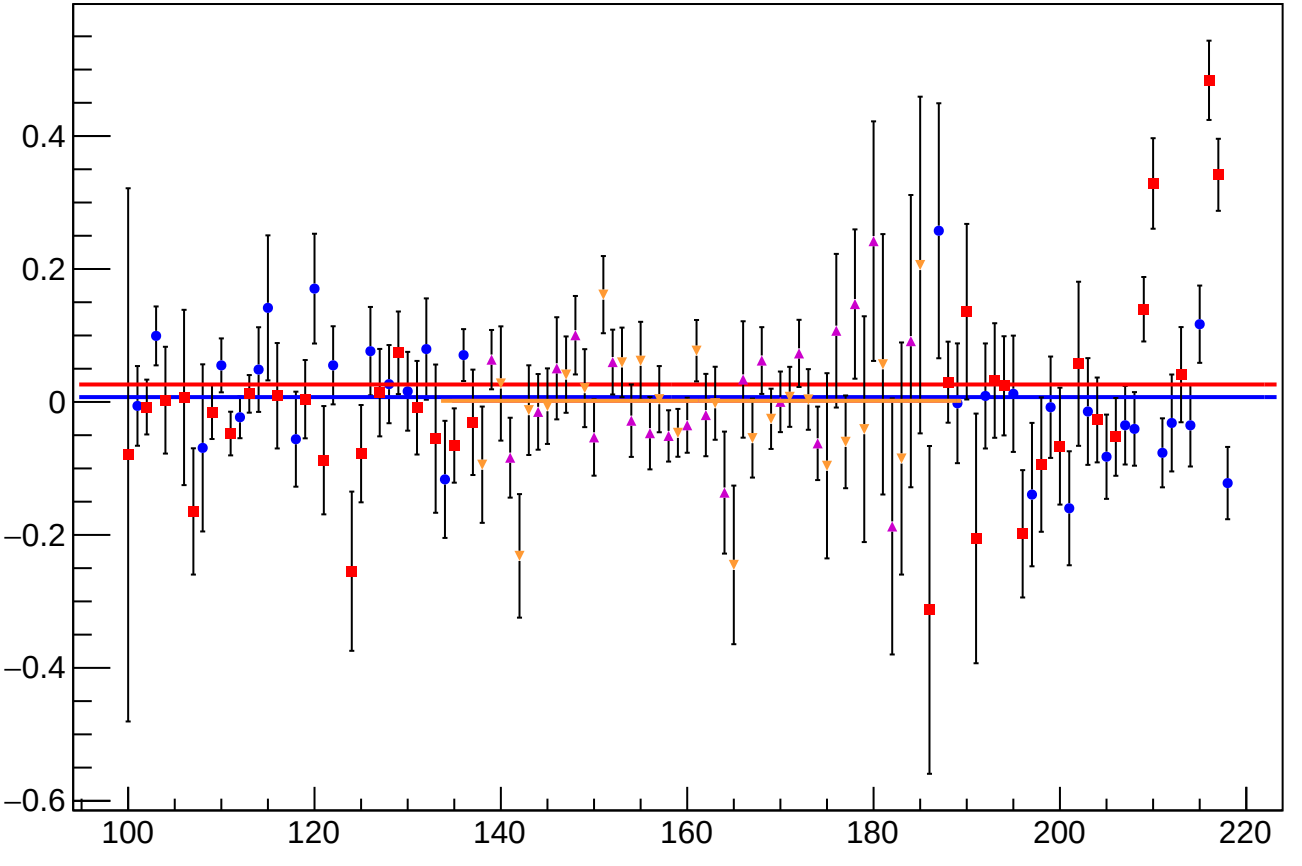
Right: 43.372+/-0.005 χ^2/NDF: 11237215.0/67

In: 46.119+/-0.006 χ^2/NDF:7796659.9/54

Out: 45.319+/-0.006 χ^2/NDF:11082303.4/60

All: 45.713+/-0.004 χ^2/NDF: 18888732.2/115

asym_sam_3748_avg_dit_vs_eigen_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: 0.026+/-0.011 χ^2/NDF: 158.2/35

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

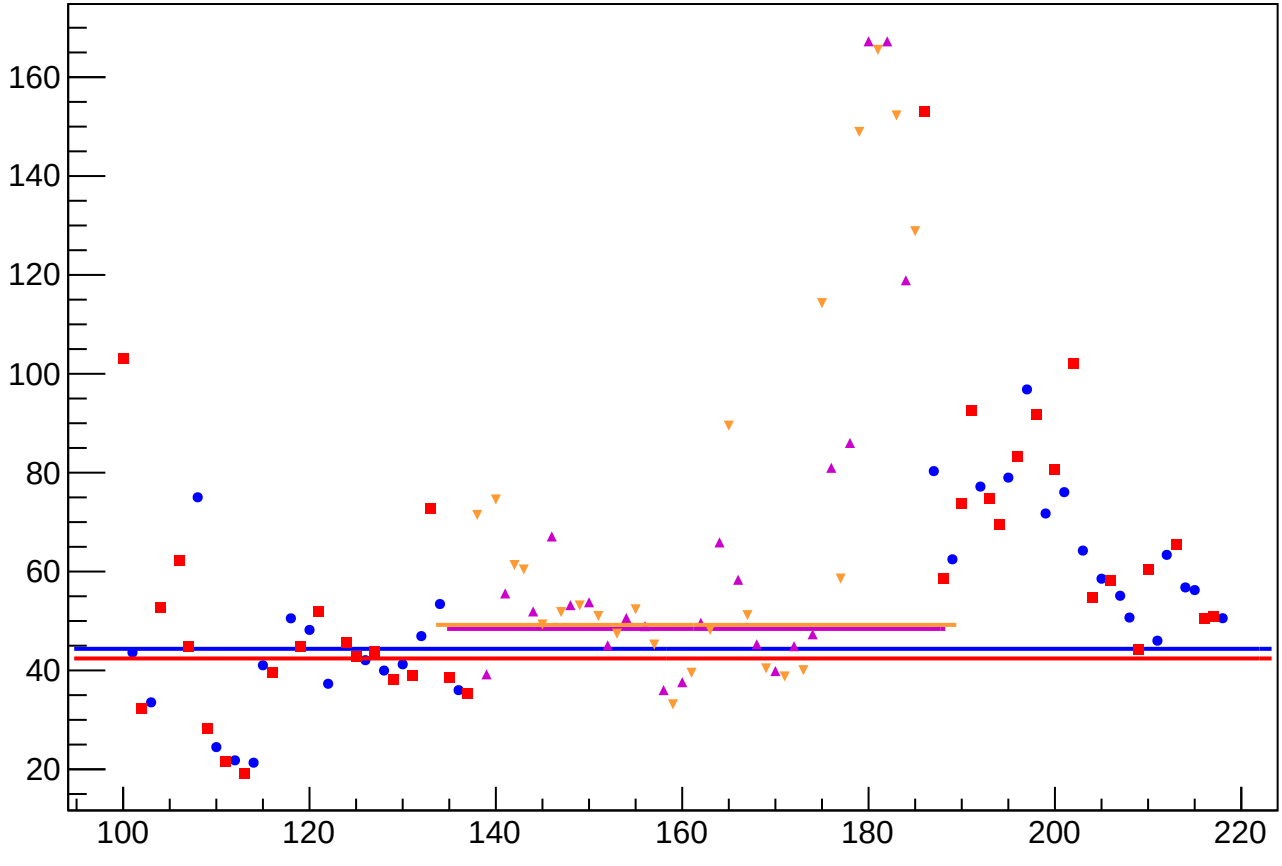
Right: 0.017+/-0.008 χ^2/NDF: 204.1/67

In: 0.005+/-0.008 χ^2/NDF:70.5/54

Out: 0.016+/-0.008 χ^2/NDF:190.9/60

All: 0.010+/-0.006 χ^2/NDF: 262.4/115

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: 42.420+/-0.007 χ^2/NDF: 6560345.8/35

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

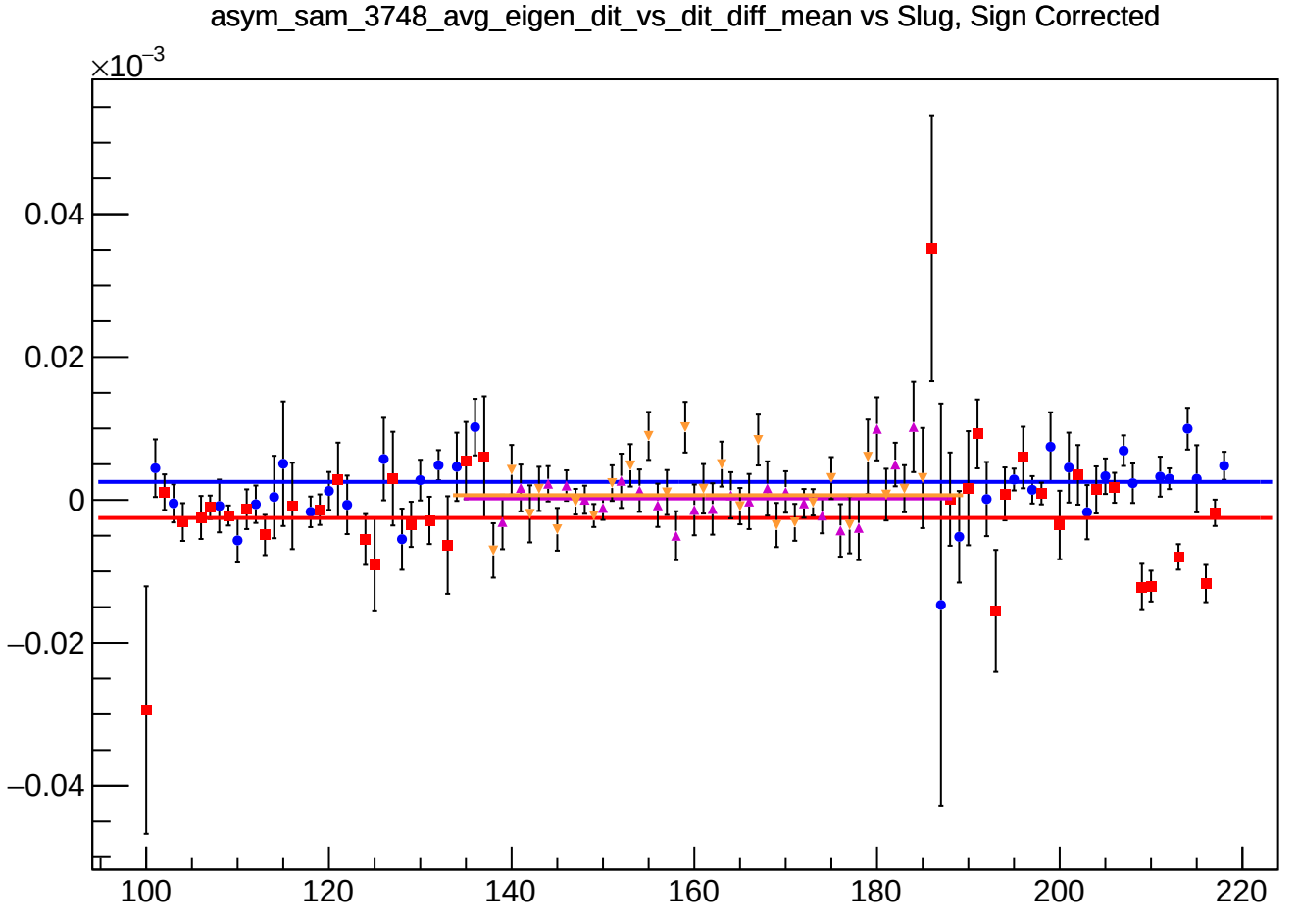
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 43.372+/-0.005 χ^2/NDF: 11237215.0/67

In: 46.119+/-0.006 χ^2/NDF:7796659.9/54

Out: 45.319+/-0.006 χ^2/NDF:11082303.4/60

All: 45.713+/-0.004 χ^2/NDF: 18888732.2/115



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: 94.2/35

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

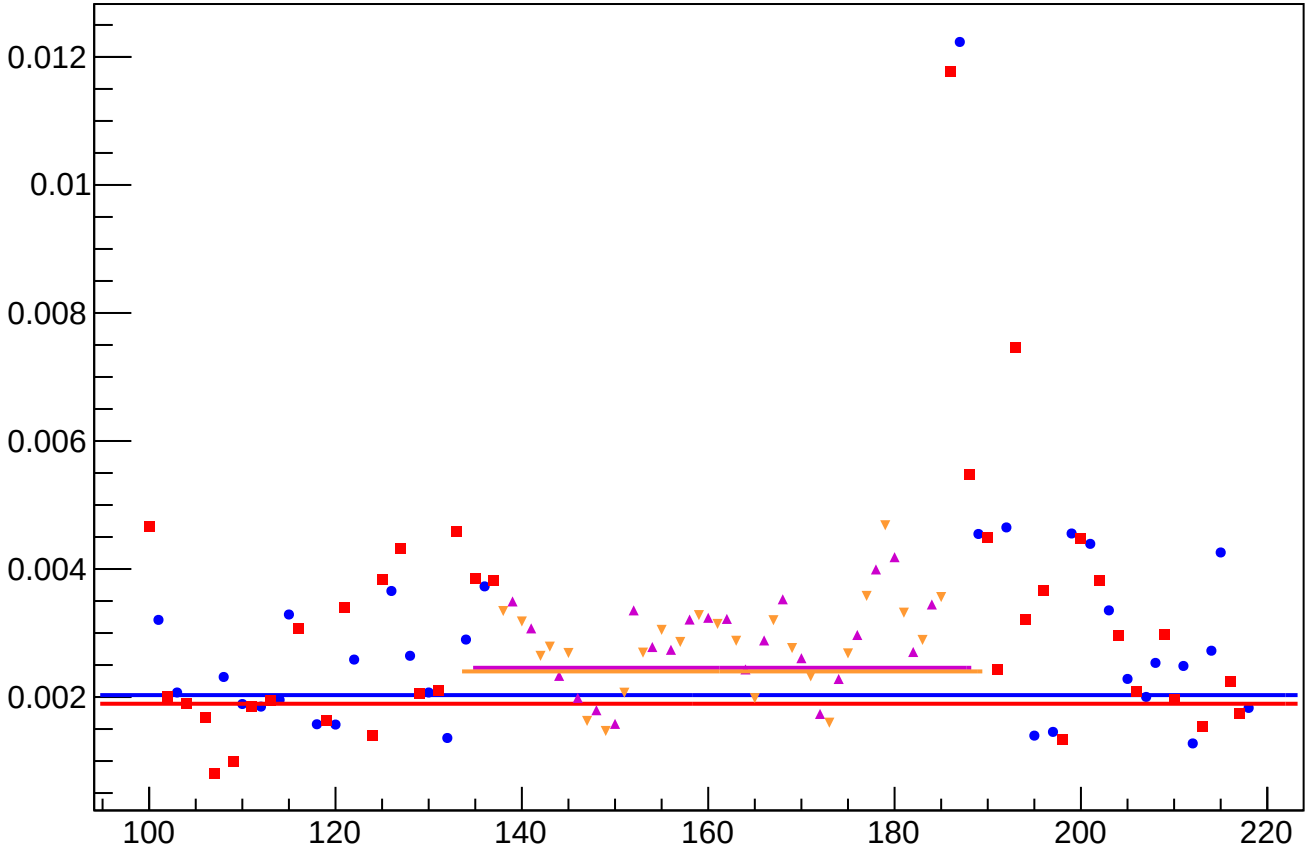
Right: -0.000+/-0.000 χ^2/NDF: 189.0/67

In: 0.000+/-0.000 χ^2/NDF:70.3/54

Out: -0.000+/-0.000 χ^2/NDF:154.0/60

All: 0.000+/-0.000 χ^2/NDF: 251.8/115

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5386222.3/31

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7924756.8/35

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

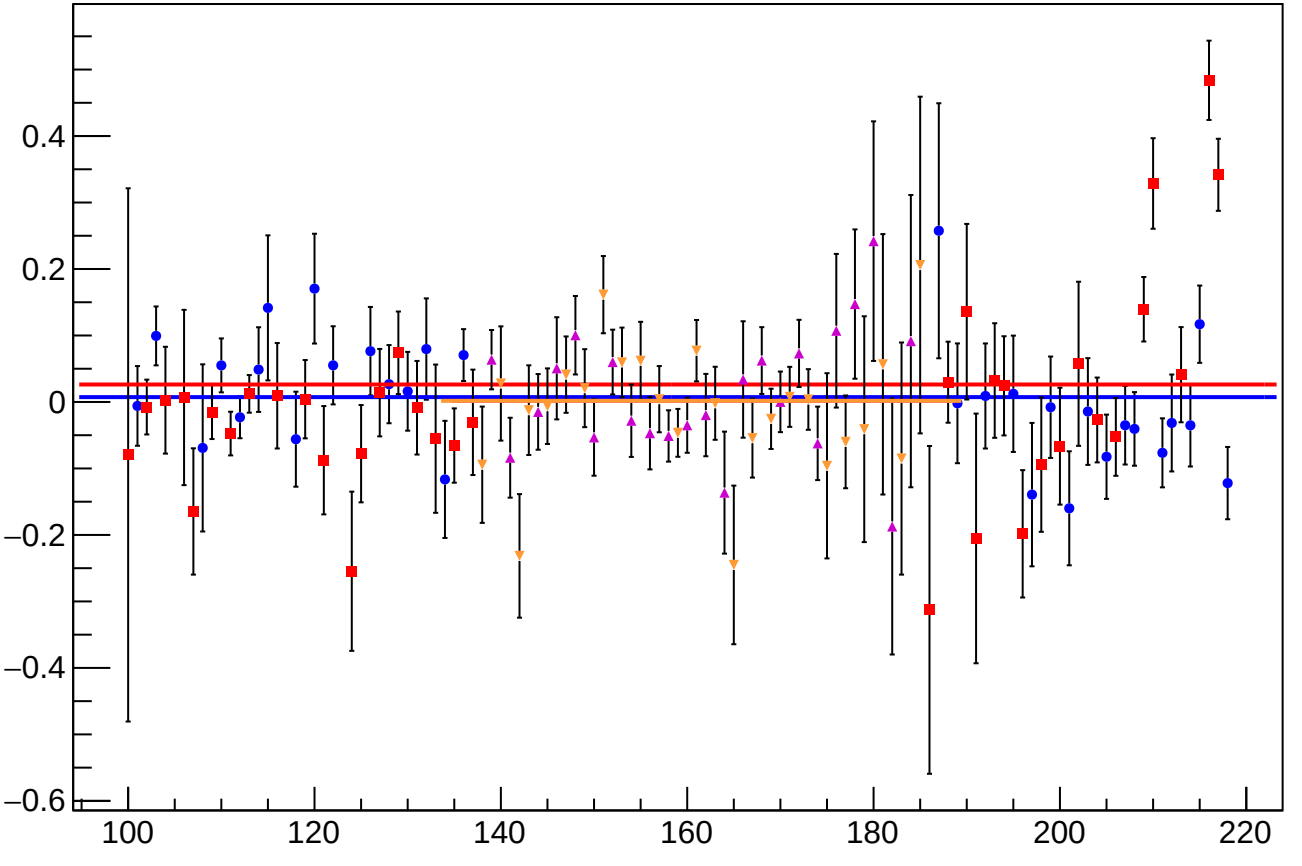
Right: 0.002+/-0.000 χ^2/NDF: 13387030.7/67

In: 0.002+/-0.000 χ^2/NDF:8610189.0/54

Out: 0.002+/-0.000 χ^2/NDF:11964606.3/60

All: 0.002+/-0.000 χ^2/NDF: 20648802.0/115

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: 0.026+/-0.011 χ^2/NDF: 158.2/35

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

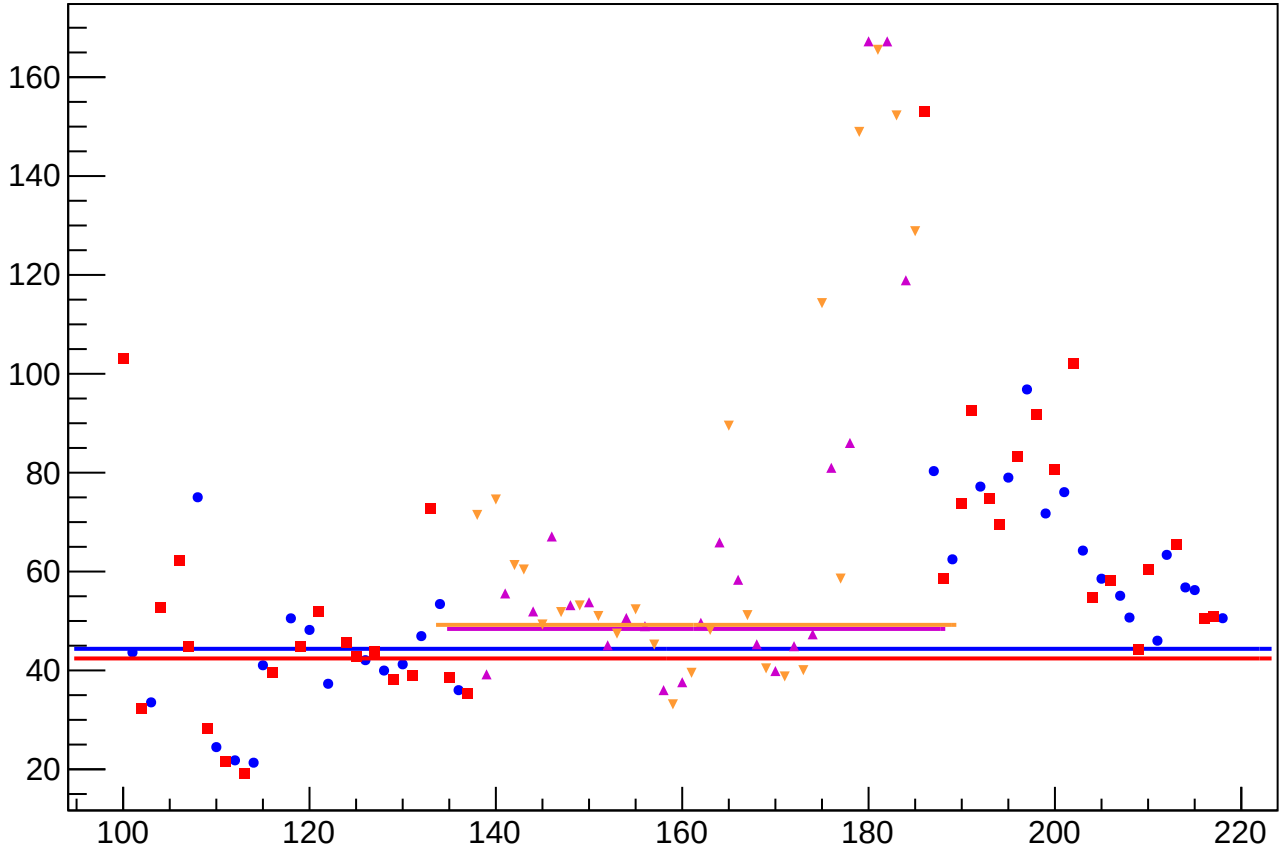
Right: 0.017+/-0.008 χ^2/NDF: 204.1/67

In: 0.005+/-0.008 χ^2/NDF:70.5/54

Out: 0.016+/-0.008 χ^2/NDF:190.9/60

All: 0.010+/-0.006 χ^2/NDF: 262.4/115

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: 42.421+/-0.007 χ^2/NDF: 6560241.8/35

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

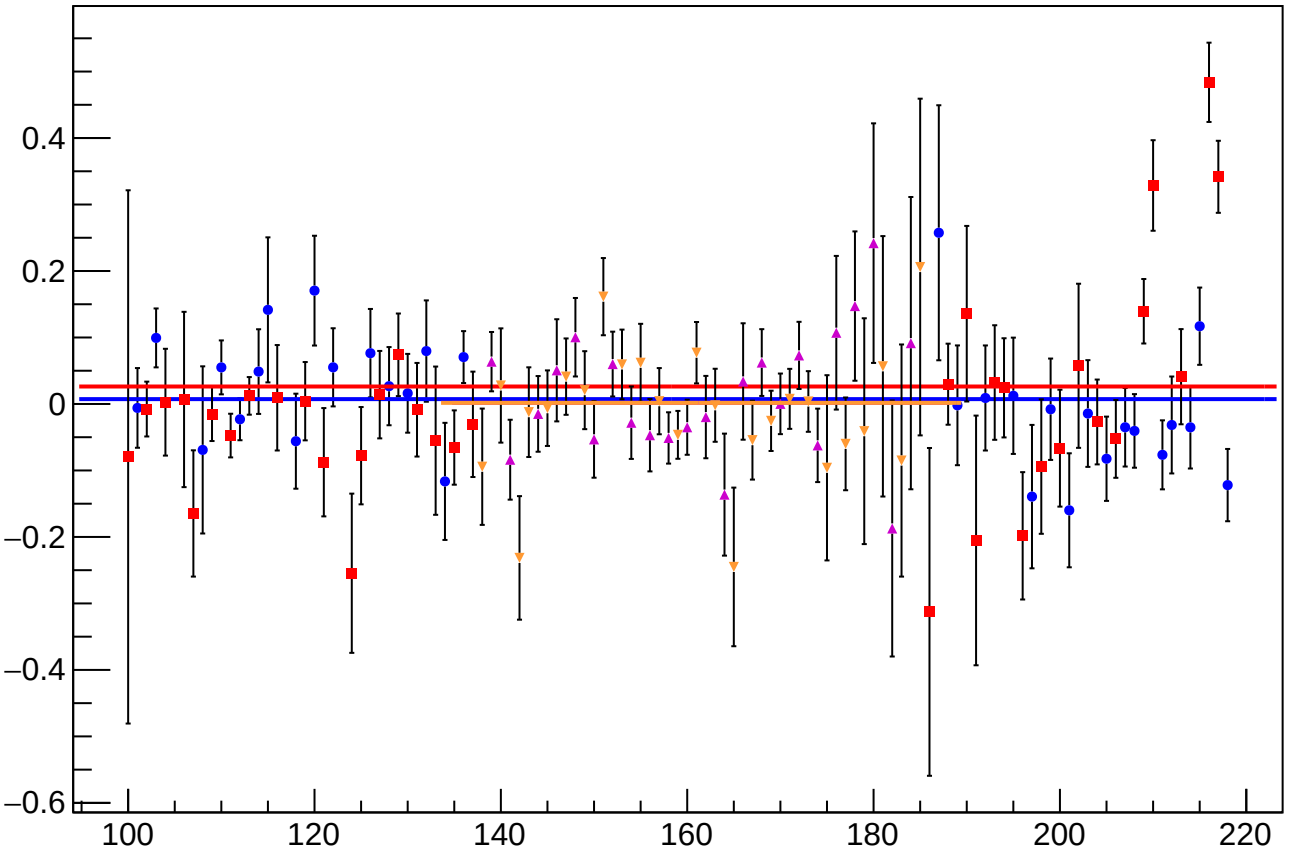
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 43.373+/-0.005 χ^2/NDF: 11236959.4/67

In: 46.119+/-0.006 χ^2/NDF:7796489.3/54

Out: 45.319+/-0.006 χ^2/NDF:11082182.4/60

All: 45.713+/-0.004 χ^2/NDF: 18888439.3/115



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: 0.026+/-0.011 χ^2/NDF: 158.2/35

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

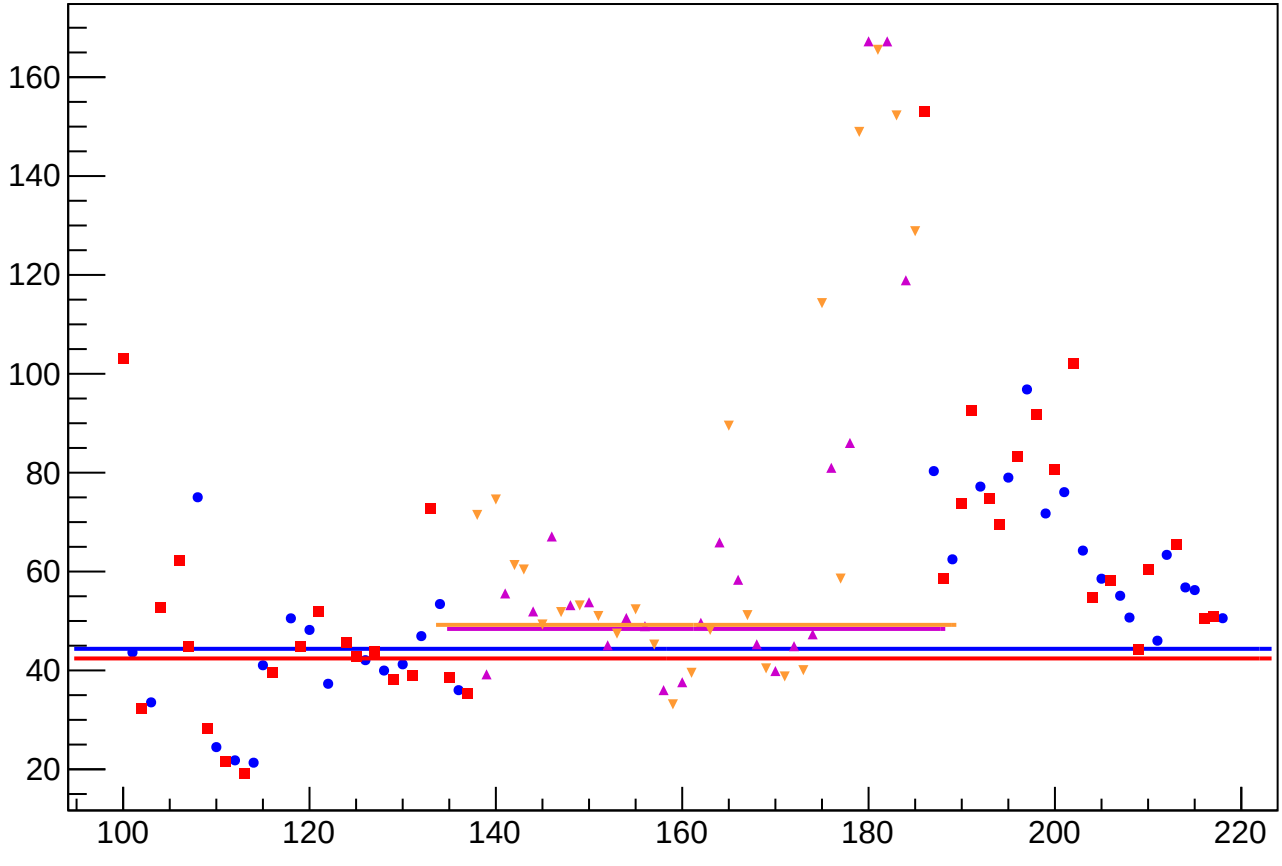
Right: 0.017+/-0.008 χ^2/NDF: 204.1/67

In: 0.005+/-0.008 χ^2/NDF:70.5/54

Out: 0.016+/-0.008 χ^2/NDF:190.9/60

All: 0.010+/-0.006 χ^2/NDF: 262.4/115

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: 42.421+/-0.007 χ^2/NDF: 6560241.8/35

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

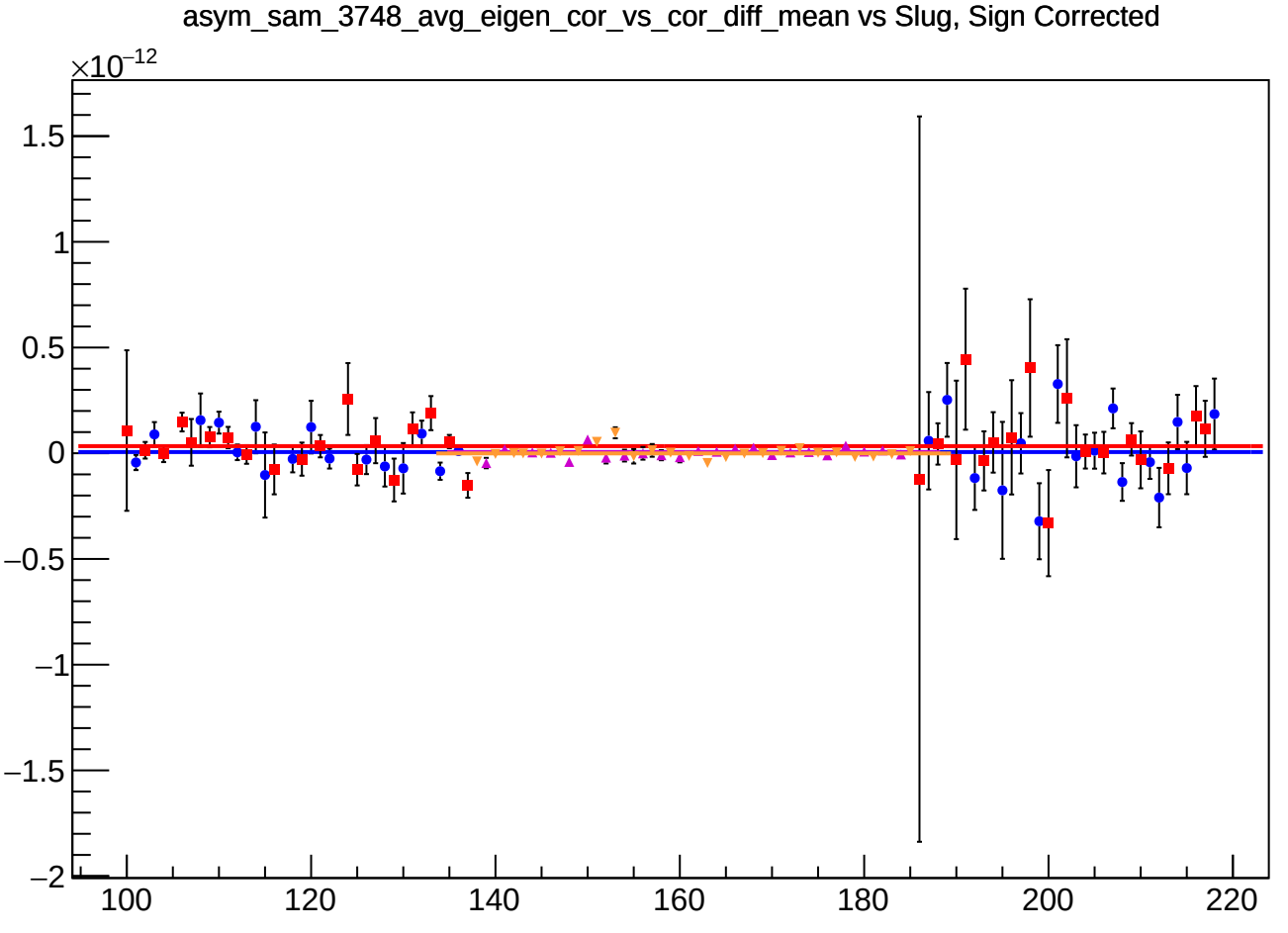
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 43.373+/-0.005 χ^2/NDF: 11236959.4/67

In: 46.119+/-0.006 χ^2/NDF:7796489.3/54

Out: 45.319+/-0.006 χ^2/NDF:11082182.4/60

All: 45.713+/-0.004 χ^2/NDF: 18888439.3/115



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: 42.1/35

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

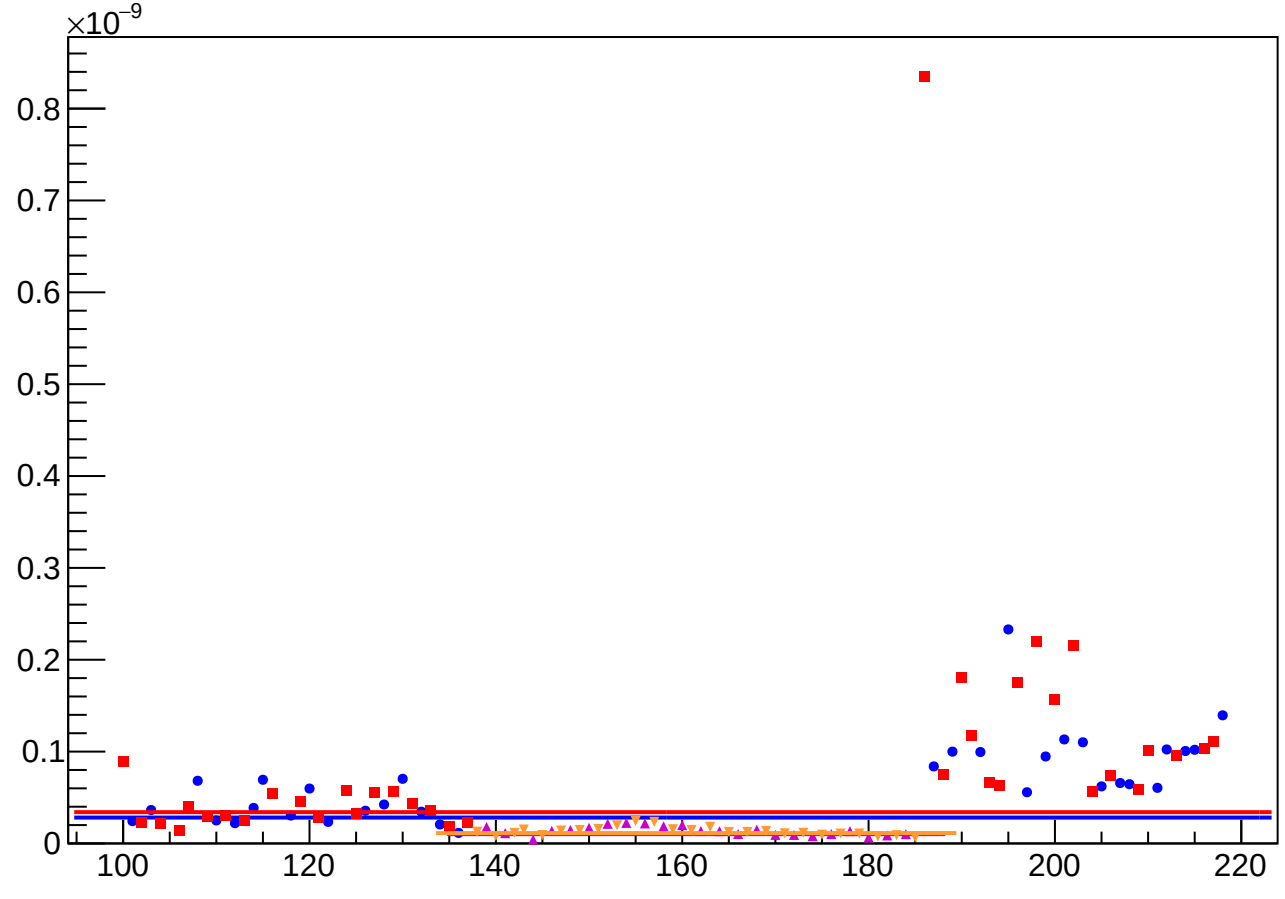
Right: 0.000+/-0.000 χ^2/NDF: 91.0/67

In: 0.000+/-0.000 χ^2/NDF:74.3/54

Out: 0.000+/-0.000 χ^2/NDF:86.6/60

All: 0.000+/-0.000 χ^2/NDF: 161.7/115

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 8695843.8/35

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

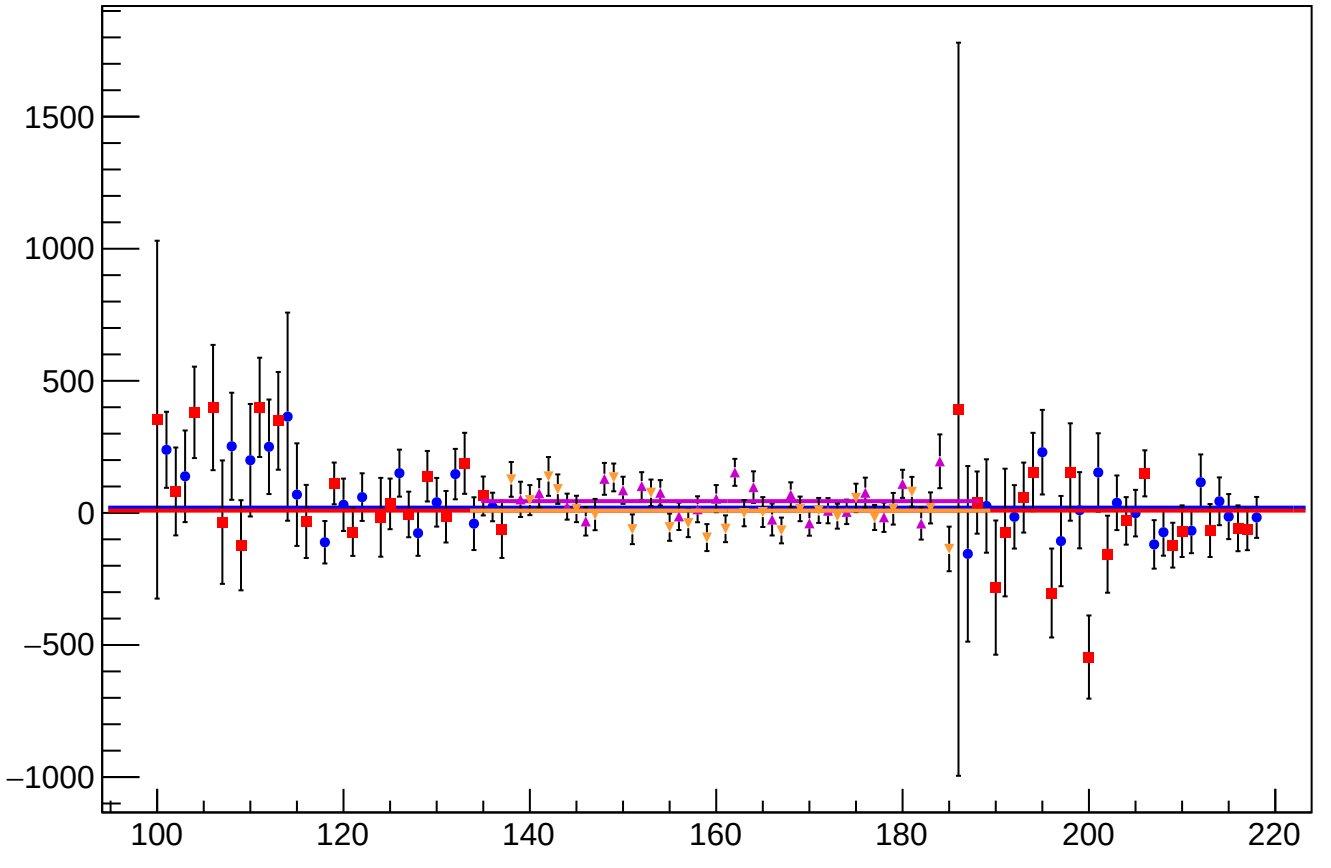
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 18985319.2/67

In: 0.000+/-0.000 χ^2/NDF:19244181.1/54

Out: 0.000+/-0.000 χ^2/NDF:17489752.7/60

All: 0.000+/-0.000 χ^2/NDF: 36894229.2/115



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: 8.671+/-19.467 χ^2/NDF: 52.4/35

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

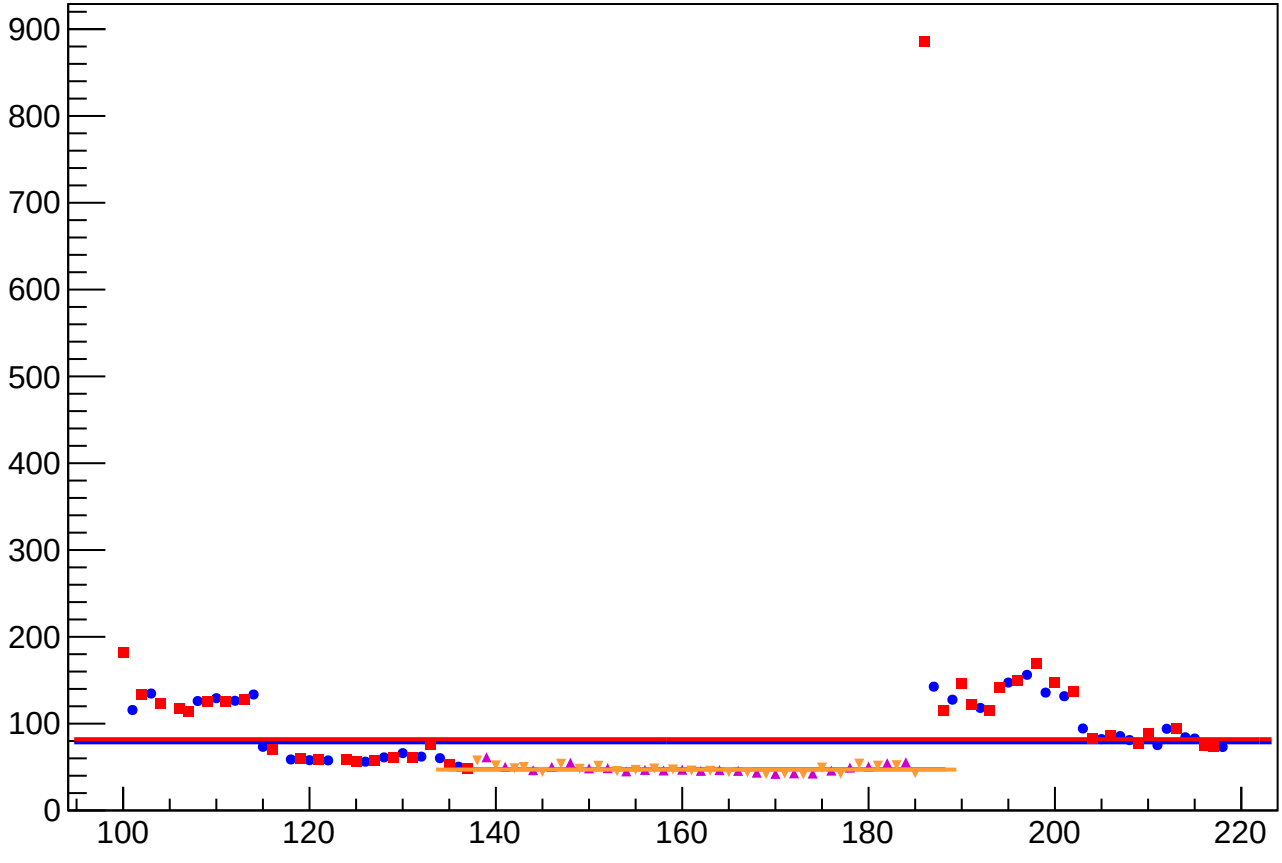
Right: 14.590+/-13.431 χ^2/NDF: 77.6/67

In: 38.023+/-9.556 χ^2/NDF:53.3/54

Out: 8.736+/-9.424 χ^2/NDF:87.0/60

All: 23.175+/-6.710 χ^2/NDF: 145.1/115

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: 82.115+/-0.014 χ^2/NDF: 5070670.4/35

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

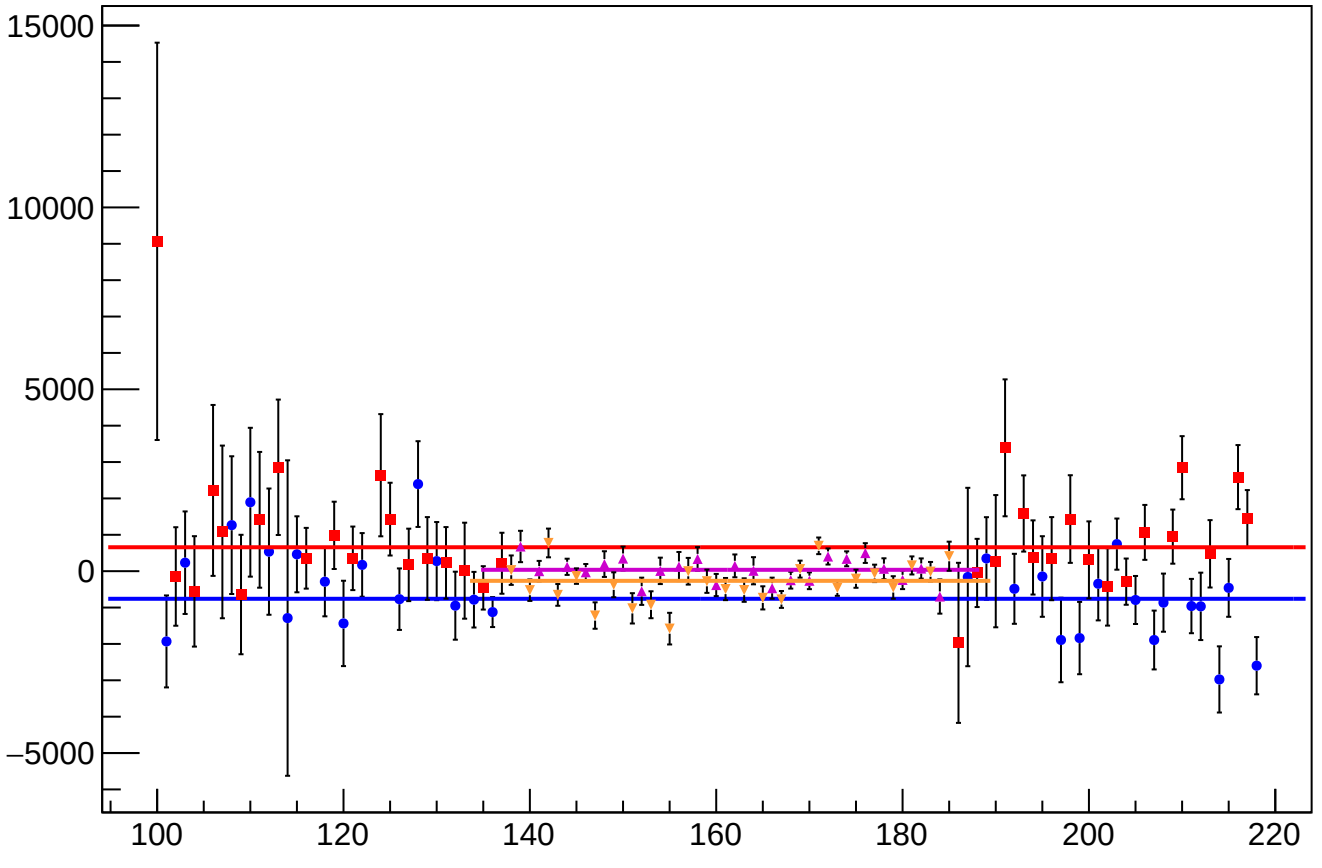
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 80.206+/-0.009 χ^2/NDF: 9020307.7/67

In: 55.630+/-0.007 χ^2/NDF:8309195.6/54

Out: 55.278+/-0.007 χ^2/NDF:10322884.7/60

All: 55.452+/-0.005 χ^2/NDF: 18633456.6/115



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: 657.610+/-172.353 χ^2/NDF: 34.4/35

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

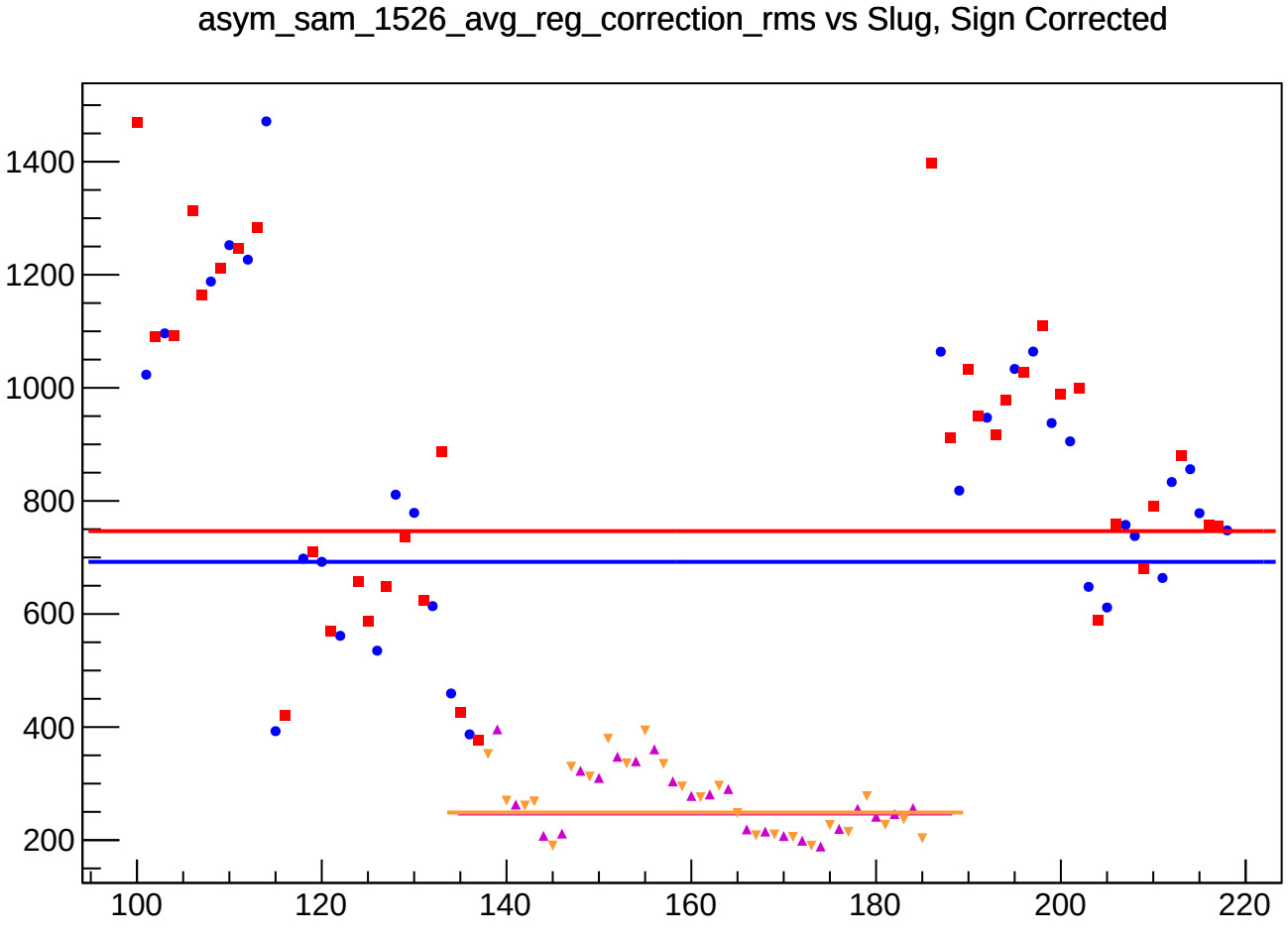
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -95.145+/-117.995 χ^2/NDF: 109.0/67

In: -56.341+/-55.565 χ^2/NDF:86.7/54

Out: -171.671+/-54.997 χ^2/NDF:130.0/60

All: -114.598+/-39.088 χ^2/NDF: 218.8/115



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: 746.567+/-0.122 χ^2/NDF: 3577088.2/35

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

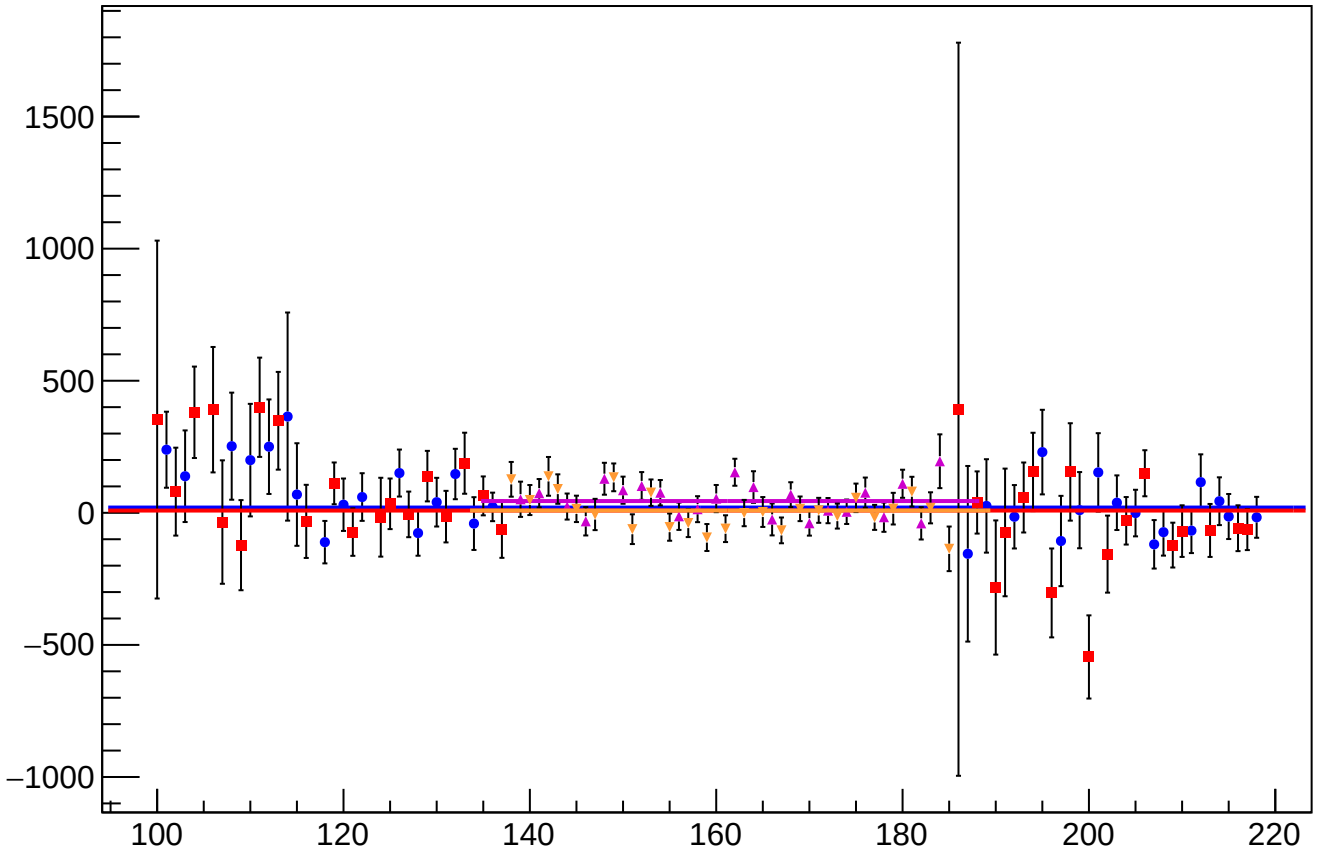
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 717.705+/-0.083 χ^2/NDF: 7155197.6/67

In: 299.555+/-0.039 χ^2/NDF:18297907.1/54

Out: 299.566+/-0.039 χ^2/NDF:20218541.4/60

All: 299.561+/-0.028 χ^2/NDF: 38516448.5/1



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: 8.593+/-19.467 χ^2/NDF: 52.3/35

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

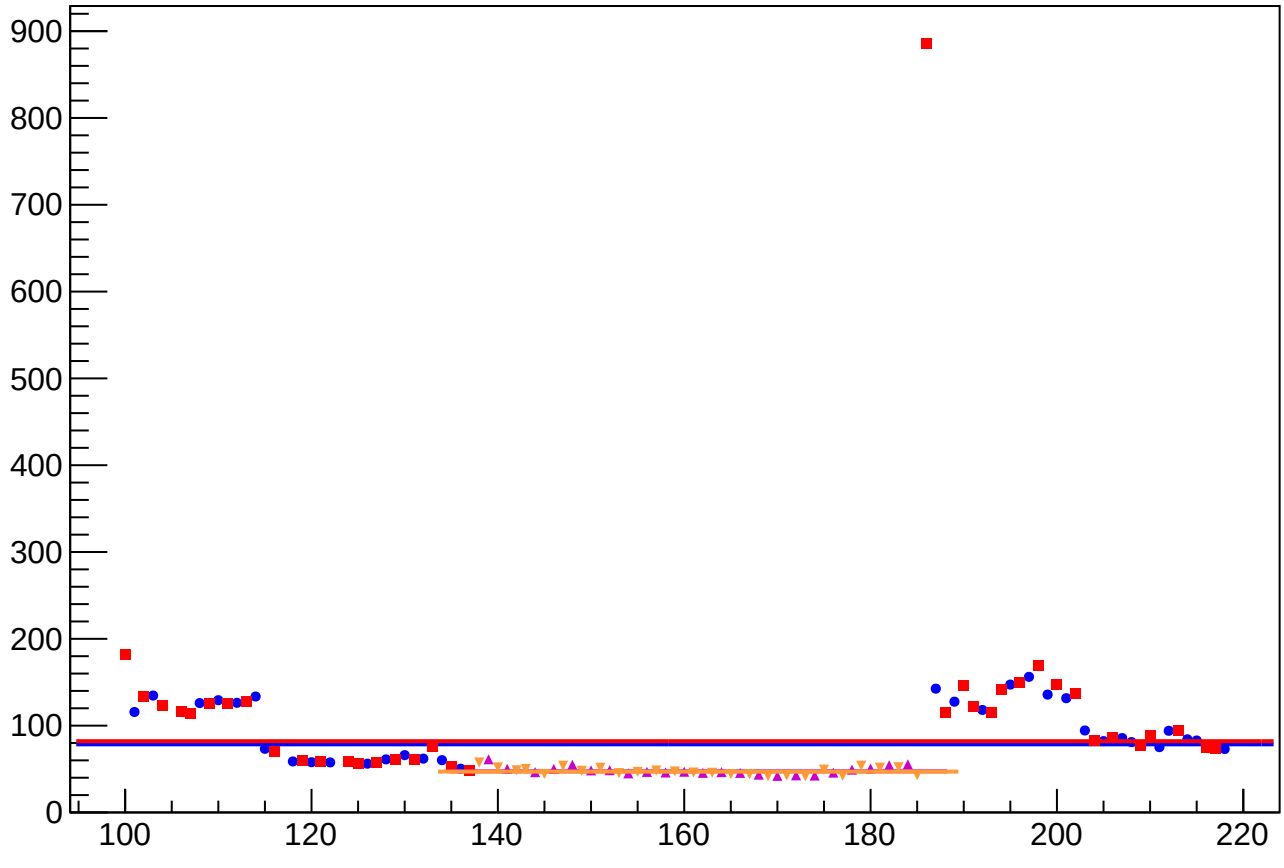
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 14.550+/-13.431 χ^2/NDF: 77.5/67

In: 38.020+/-9.556 χ^2/NDF:53.3/54

Out: 8.719+/-9.424 χ^2/NDF:86.9/60

All: 23.165+/-6.710 χ^2/NDF: 145.0/115



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: 82.108+/-0.014 χ^2/NDF: 5068372.7/35

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

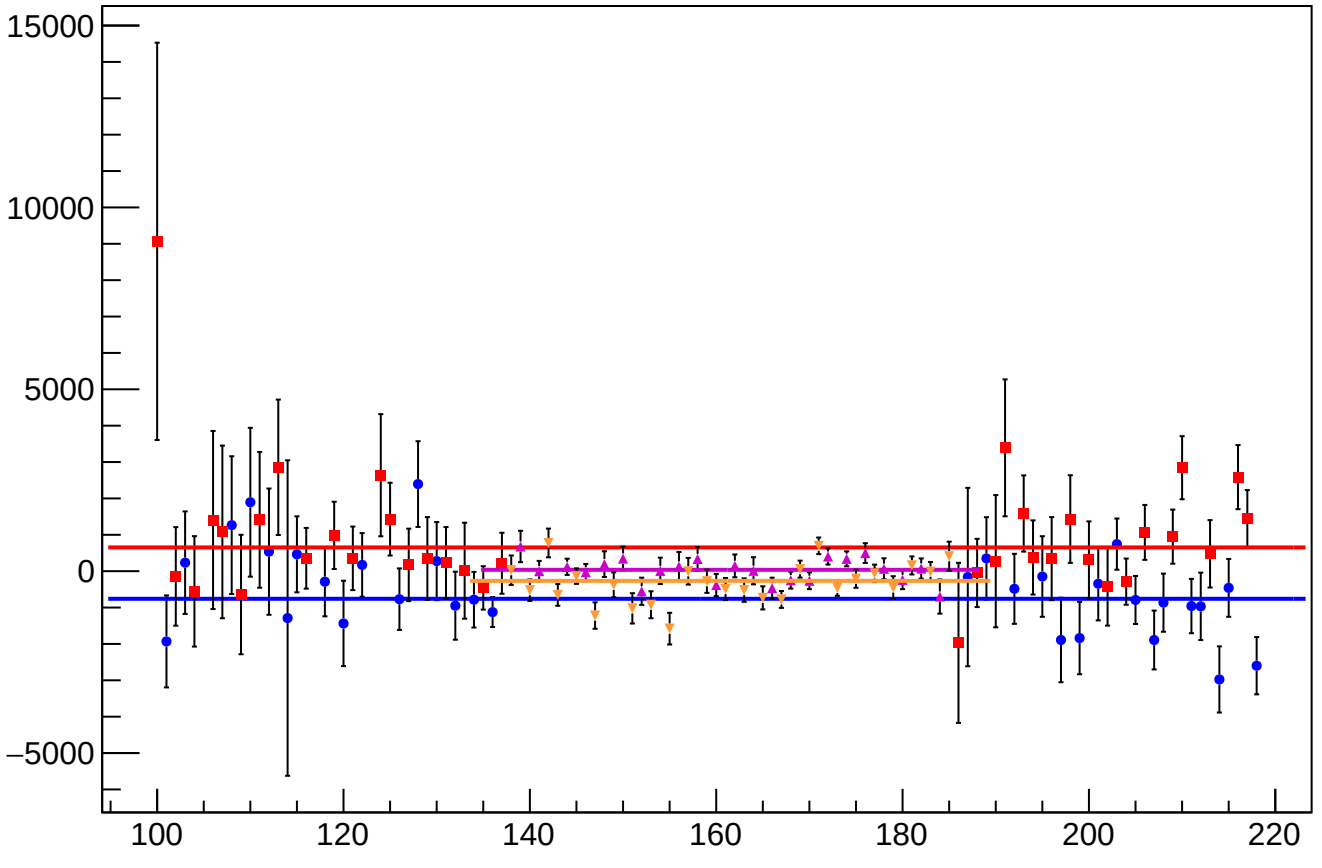
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 80.202+/-0.009 χ^2/NDF: 9017867.8/67

In: 55.630+/-0.007 χ^2/NDF:8309197.7/54

Out: 55.276+/-0.007 χ^2/NDF:10318447.7/60

All: 55.451+/-0.005 χ^2/NDF: 18629036.3/115



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: 652.970+/-172.392 χ^2/NDF: 34.0/35

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

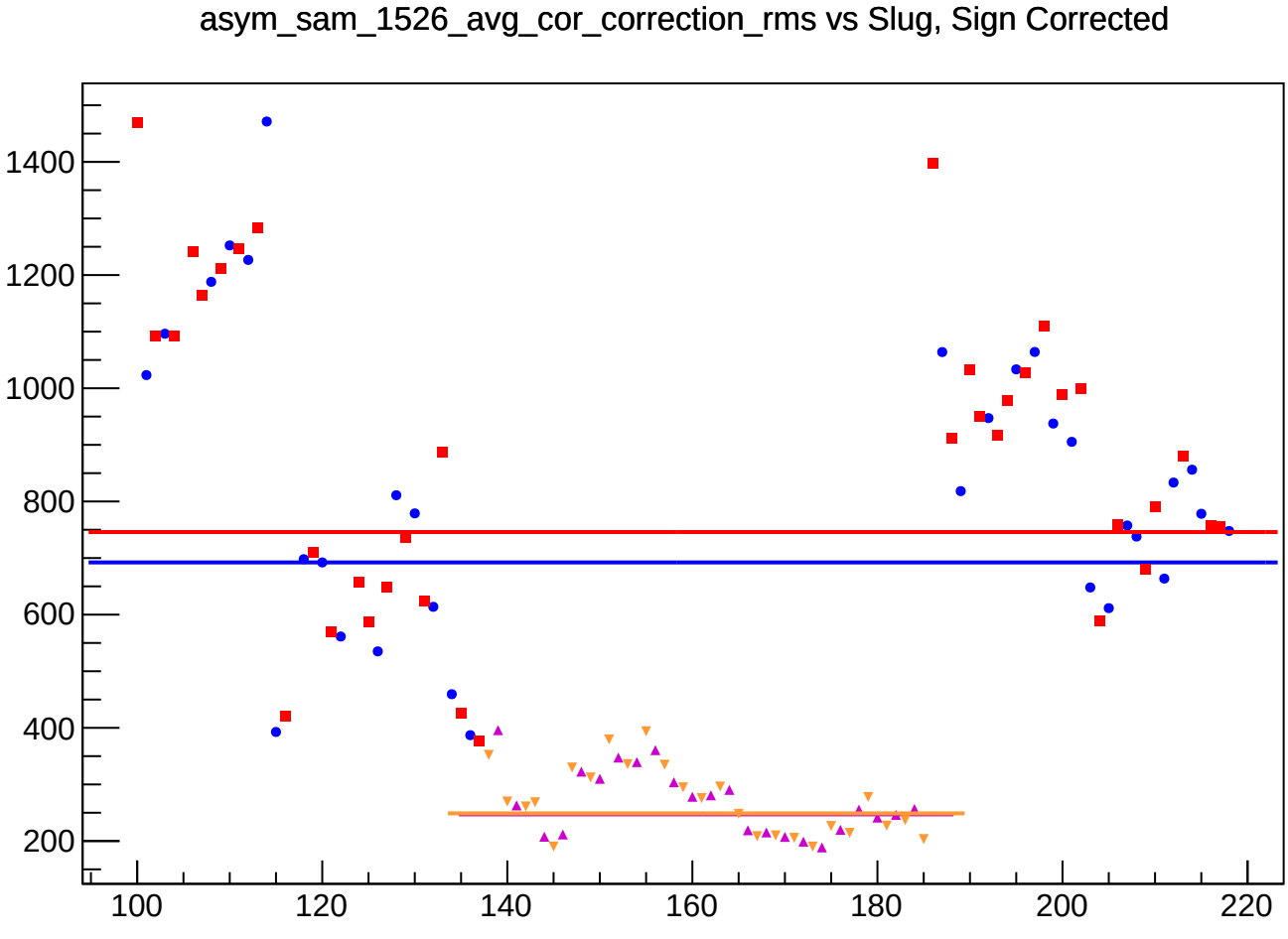
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -97.472+/-118.008 χ^2/NDF: 108.4/67

In: -56.342+/-55.565 χ^2/NDF:86.7/54

Out: -172.178+/-54.999 χ^2/NDF:129.3/60

All: -114.854+/-39.089 χ^2/NDF: 218.2/115



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: 745.975+/-0.122 χ^2/NDF: 3542835.8/35

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

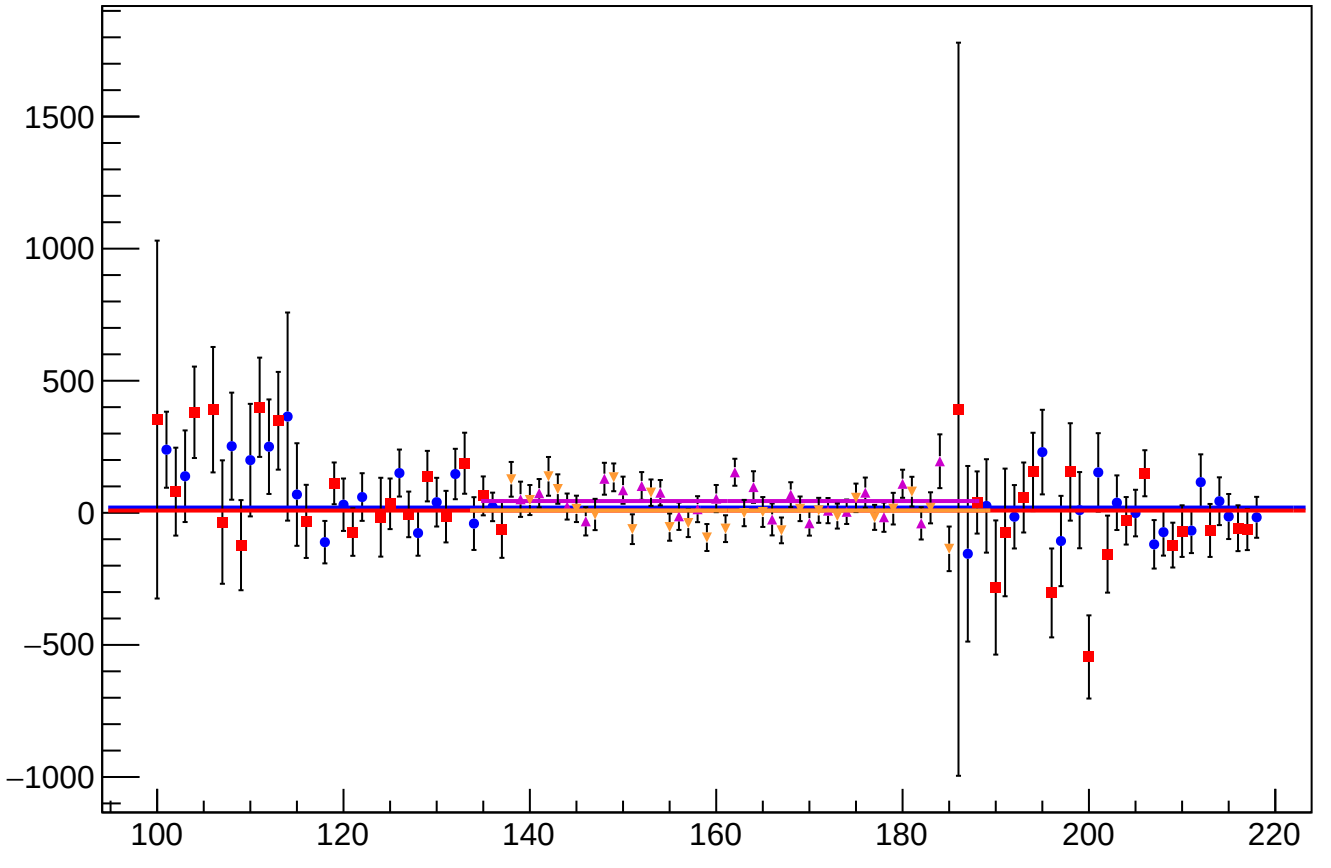
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 717.421+/-0.083 χ^2/NDF: 7118672.8/67

In: 299.555+/-0.039 χ^2/NDF:18297919.0/54

Out: 299.485+/-0.039 χ^2/NDF:20142715.6/60

All: 299.520+/-0.028 χ^2/NDF: 38440636.2/11



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: 8.593+/-19.467 χ^2/NDF: 52.3/35

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

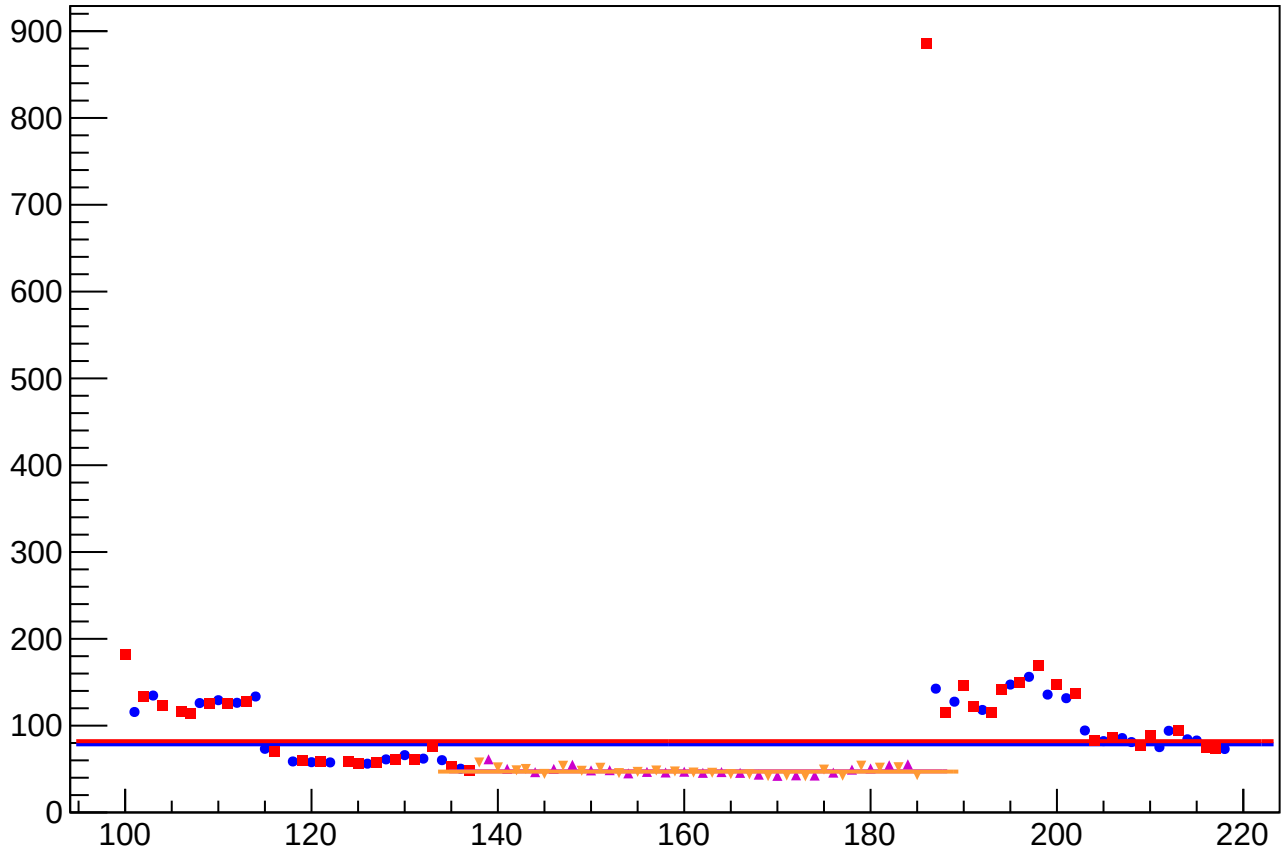
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 14.550+/-13.431 χ^2/NDF: 77.5/67

In: 38.020+/-9.556 χ^2/NDF:53.3/54

Out: 8.719+/-9.424 χ^2/NDF:86.9/60

All: 23.165+/-6.710 χ^2/NDF: 145.0/115



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: 82.108+/-0.014 χ^2/NDF: 5068372.7/35

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

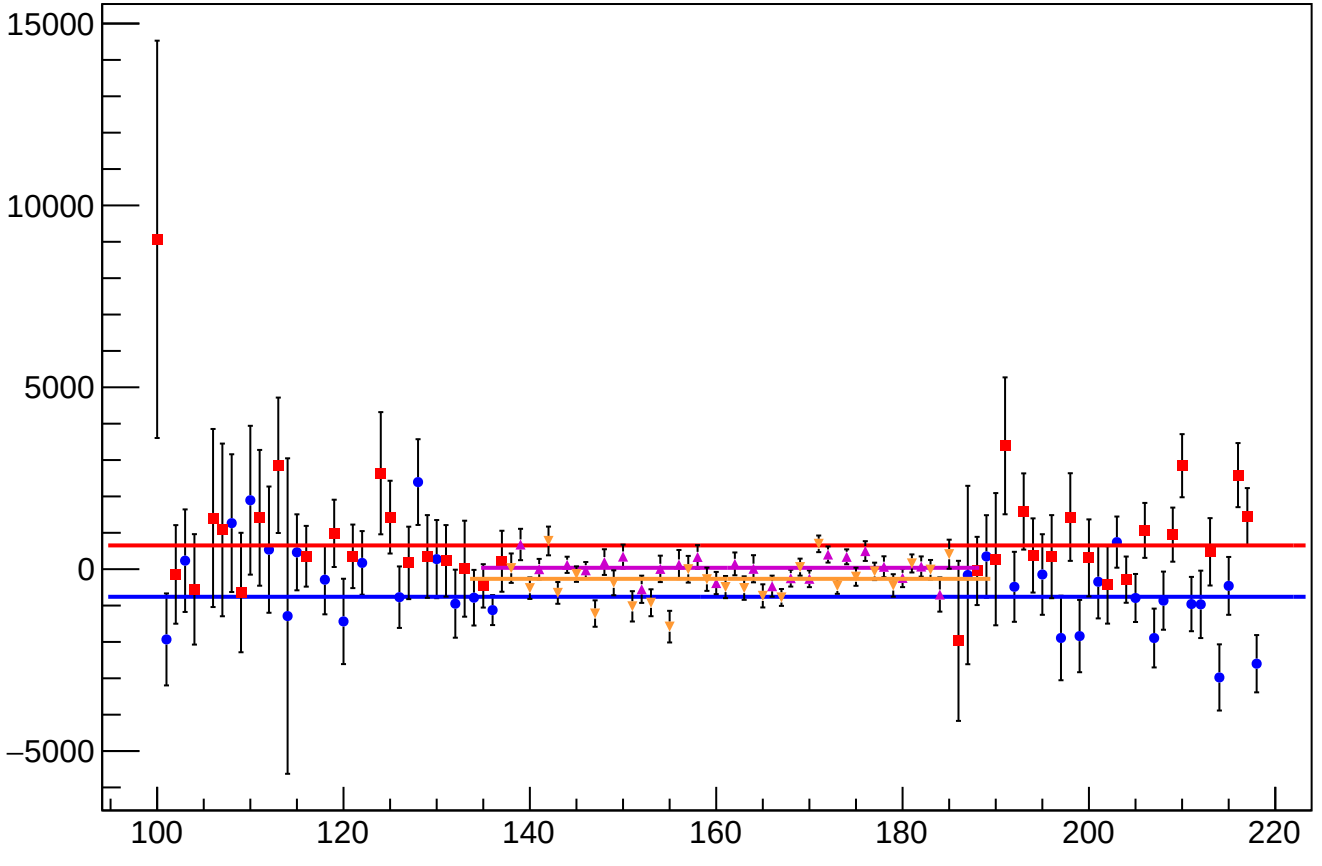
Right: 80.202+/-0.009 χ^2/NDF: 9017867.8/67

In: 55.630+/-0.007 χ^2/NDF:8309197.7/54

Out: 55.276+/-0.007 χ^2/NDF:10318447.7/60

All: 55.451+/-0.005 χ^2/NDF: 18629036.3/115

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 652.970+/-172.392 χ^2/NDF: 34.0/35

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

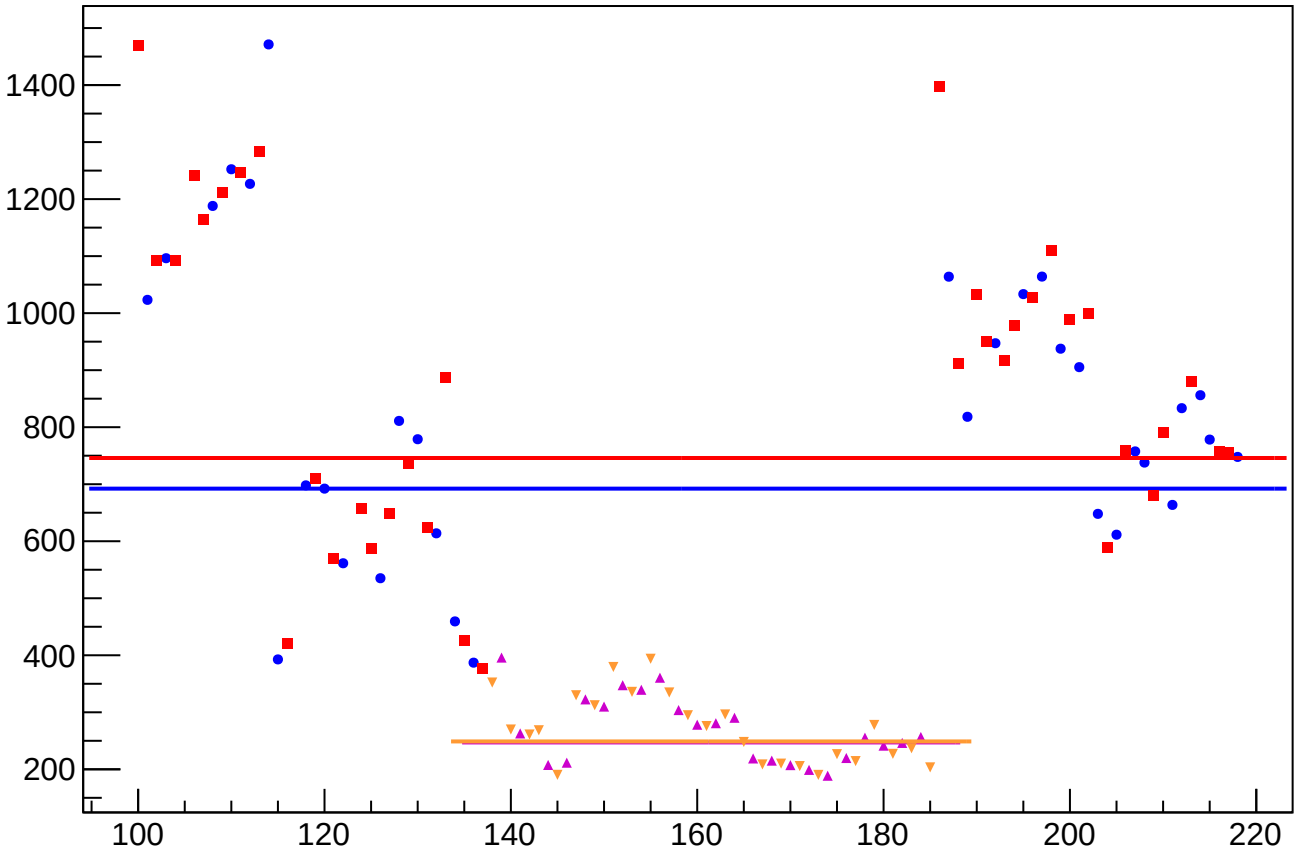
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -97.472+/-118.008 χ^2/NDF: 108.4/67

In: -56.342+/-55.565 χ^2/NDF:86.7/54

Out: -172.178+/-54.999 χ^2/NDF:129.3/60

All: -114.854+/-39.089 χ^2/NDF: 218.2/115



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: 745.975+/-0.122 χ^2/NDF: 3542835.8/35

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

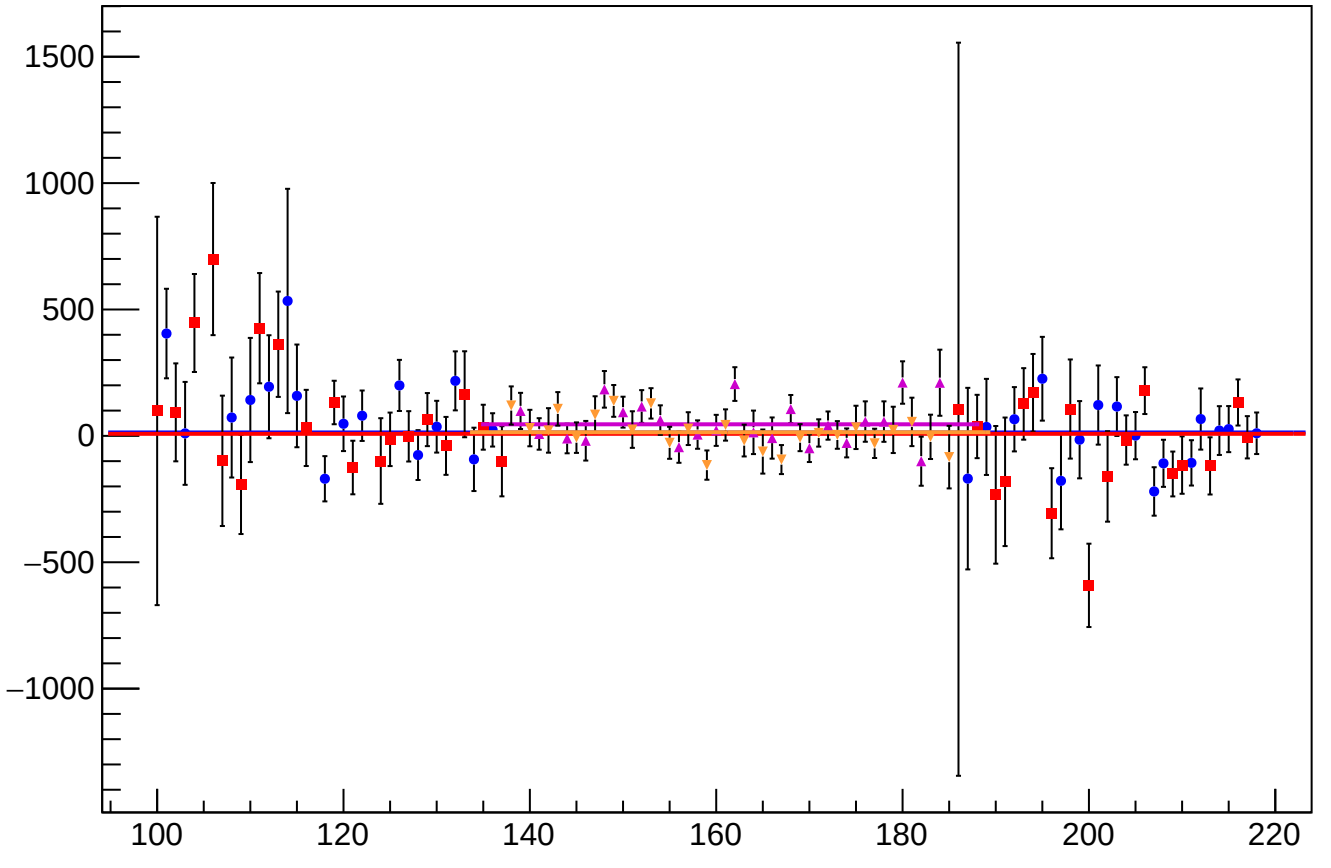
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 717.421+/-0.083 χ^2/NDF: 7118672.8/67

In: 299.555+/-0.039 χ^2/NDF:18297919.0/54

Out: 299.485+/-0.039 χ^2/NDF:20142715.6/60

All: 299.520+/-0.028 χ^2/NDF: 38440636.2/11



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: 8.159+/-21.807 χ^2/NDF: 56.2/35

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

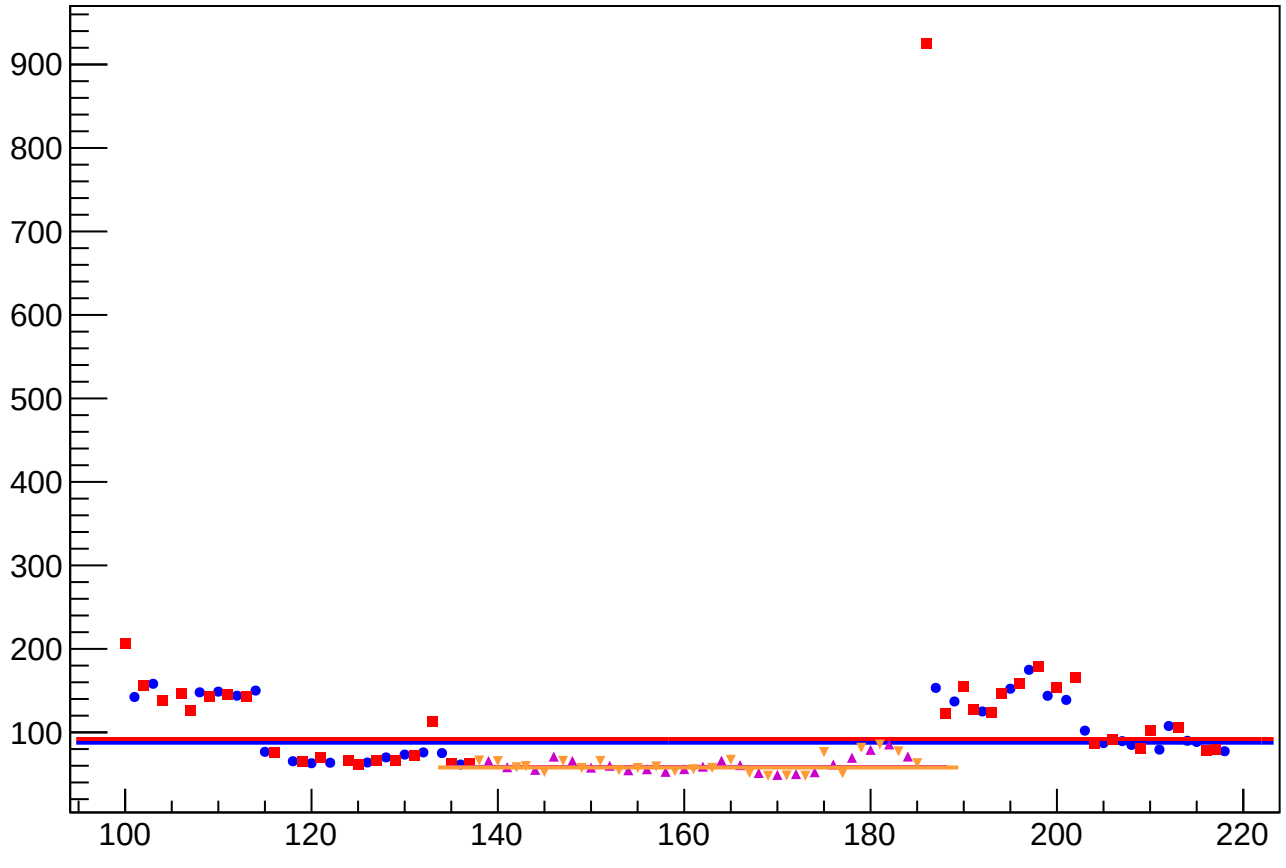
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 10.957+/-14.998 χ^2/NDF: 91.0/67

In: 35.698+/-11.550 χ^2/NDF:67.2/54

Out: 12.750+/-11.450 χ^2/NDF:80.8/60

All: 24.124+/-8.132 χ^2/NDF: 150.0/115



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: 92.051+/-0.015 χ^2/NDF: 4741647.1/35

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

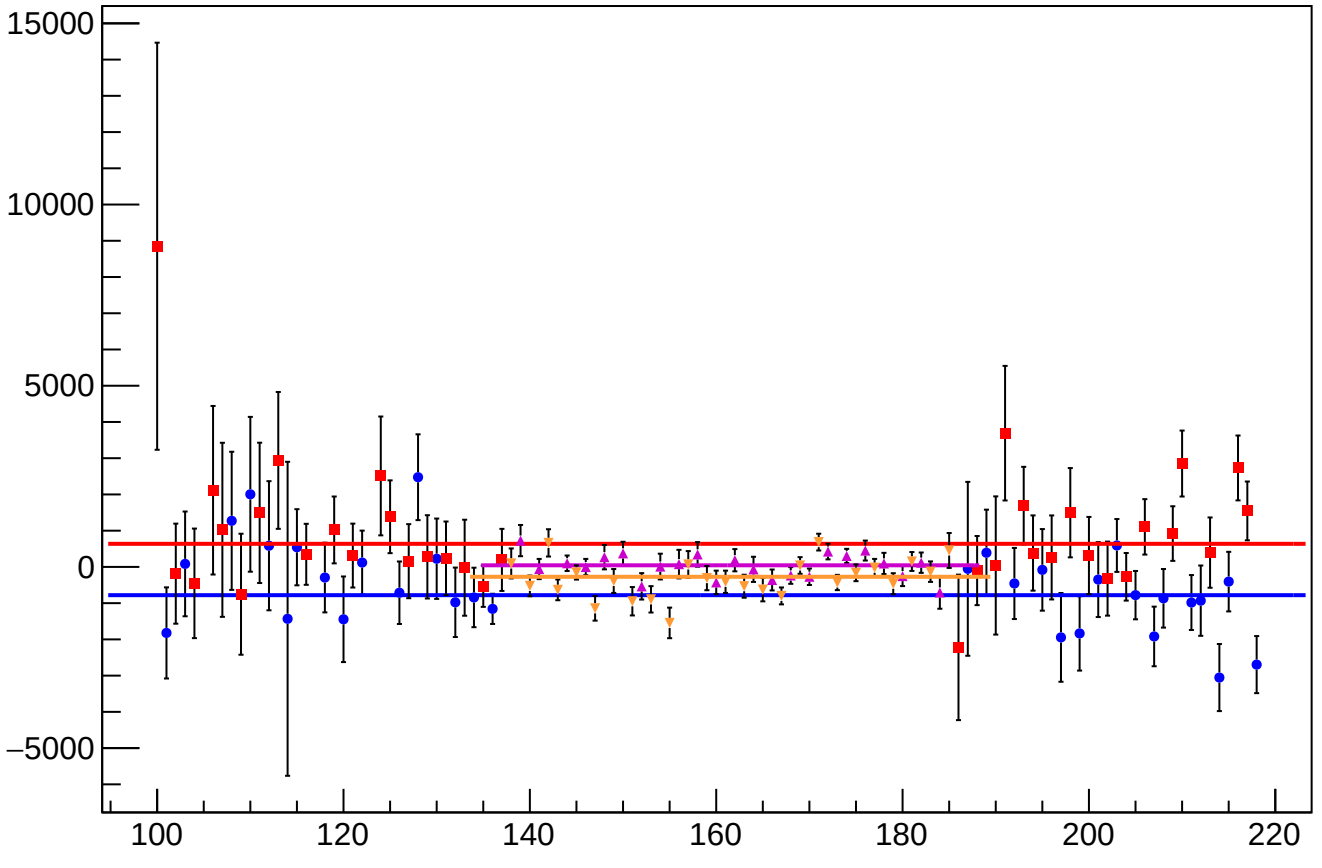
Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

Right: 89.720+/-0.011 χ^2/NDF: 8291543.9/67

In: 67.591+/-0.008 χ^2/NDF:6893329.2/54

Out: 67.363+/-0.008 χ^2/NDF:9177645.2/60

All: 67.476+/-0.006 χ^2/NDF: 16071367.4/115



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: 637.227+/-174.166 χ^2/NDF: 36.5/35

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

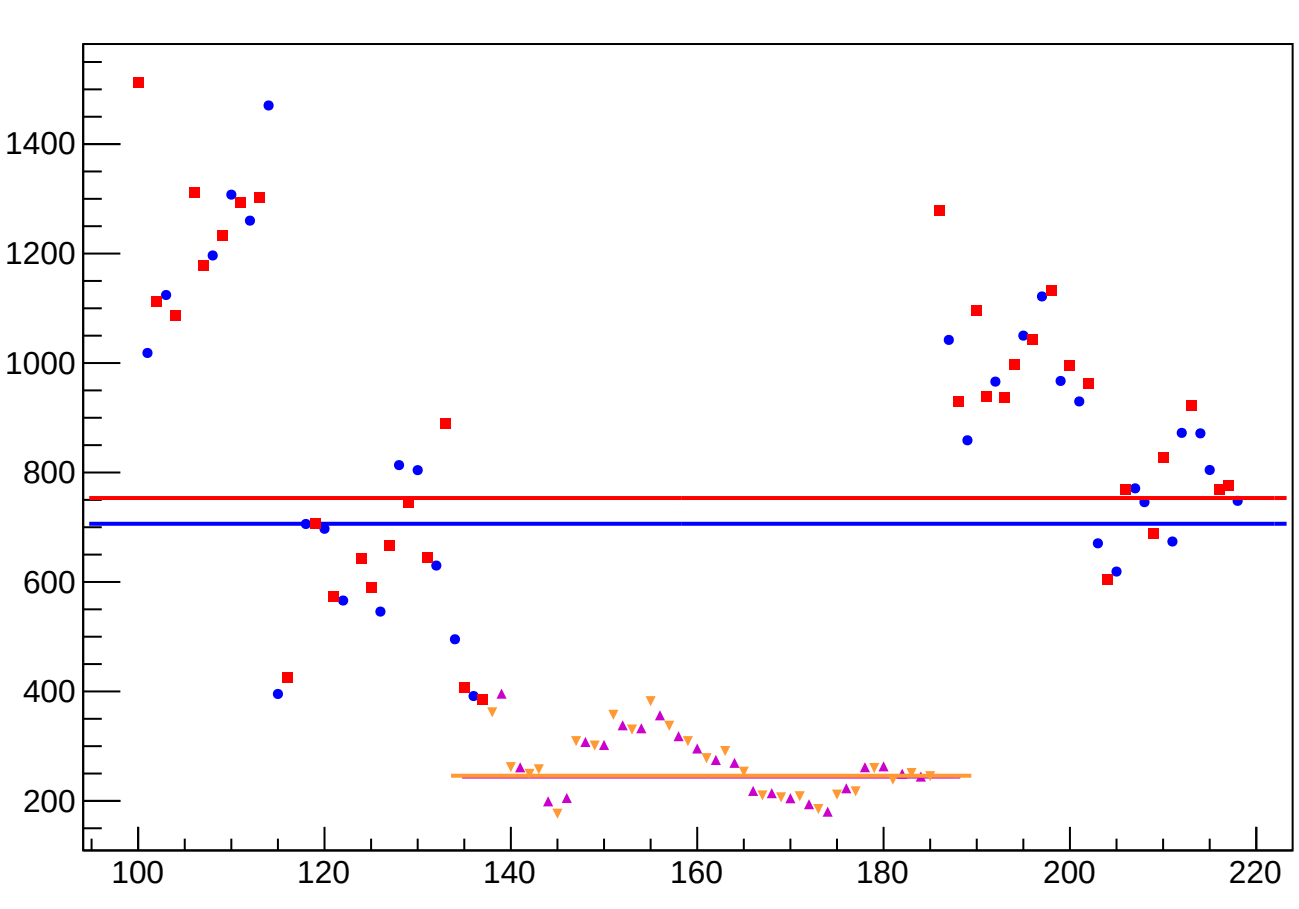
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -108.538+/-119.872 χ^2/NDF: 109.7/67

In: -47.583+/-55.242 χ^2/NDF:87.0/54

Out: -183.734+/-54.408 χ^2/NDF:126.8/60

All: -116.694+/-38.764 χ^2/NDF: 216.9/115



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: 753.366+/-0.123 χ^2/NDF: 3709812.8/35

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

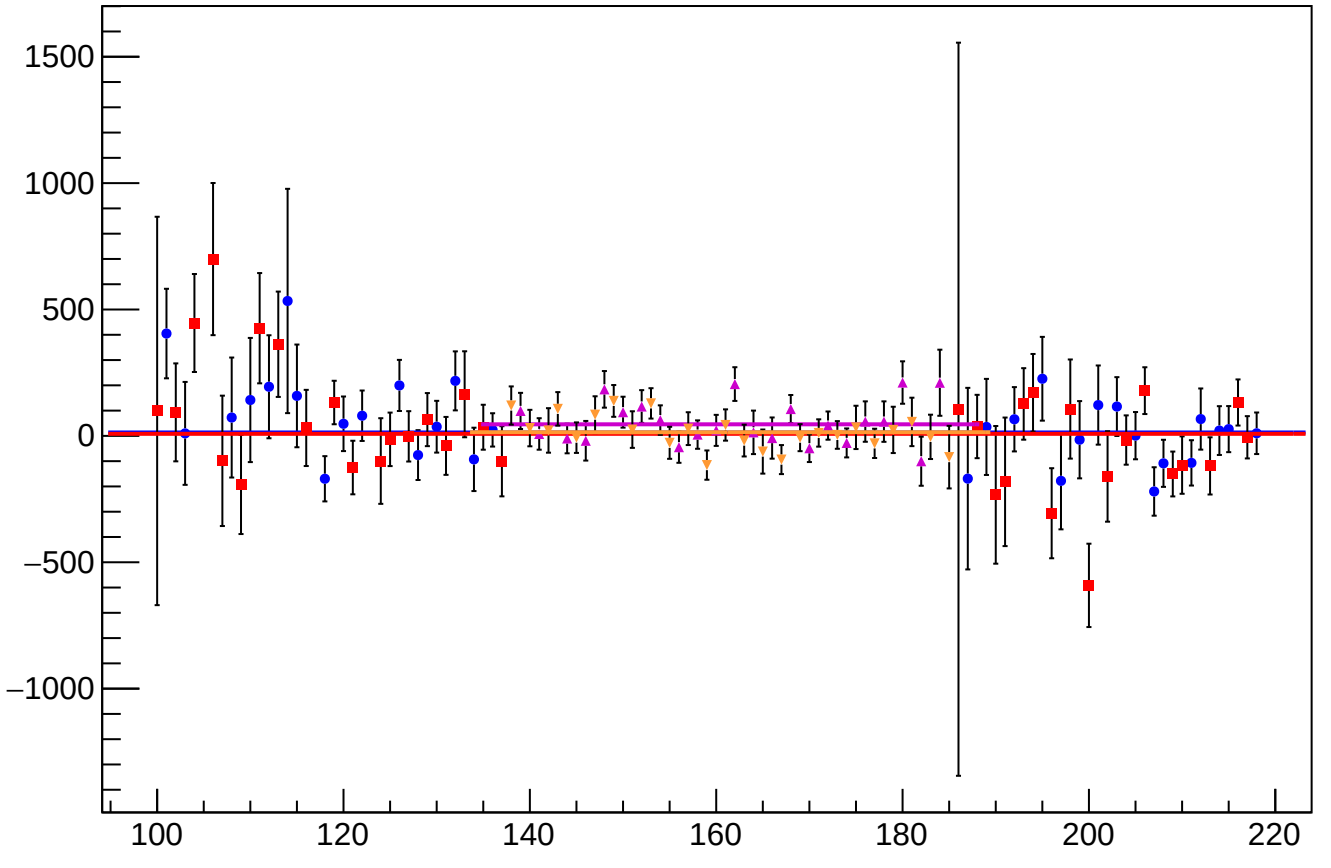
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 728.614+/-0.085 χ^2/NDF: 7305147.1/67

In: 296.075+/-0.039 χ^2/NDF:18996582.7/54

Out: 295.527+/-0.038 χ^2/NDF:20705528.1/60

All: 295.797+/-0.027 χ^2/NDF: 39702210.6/11



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: 8.158+/-21.807 χ^2/NDF: 56.2/35

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

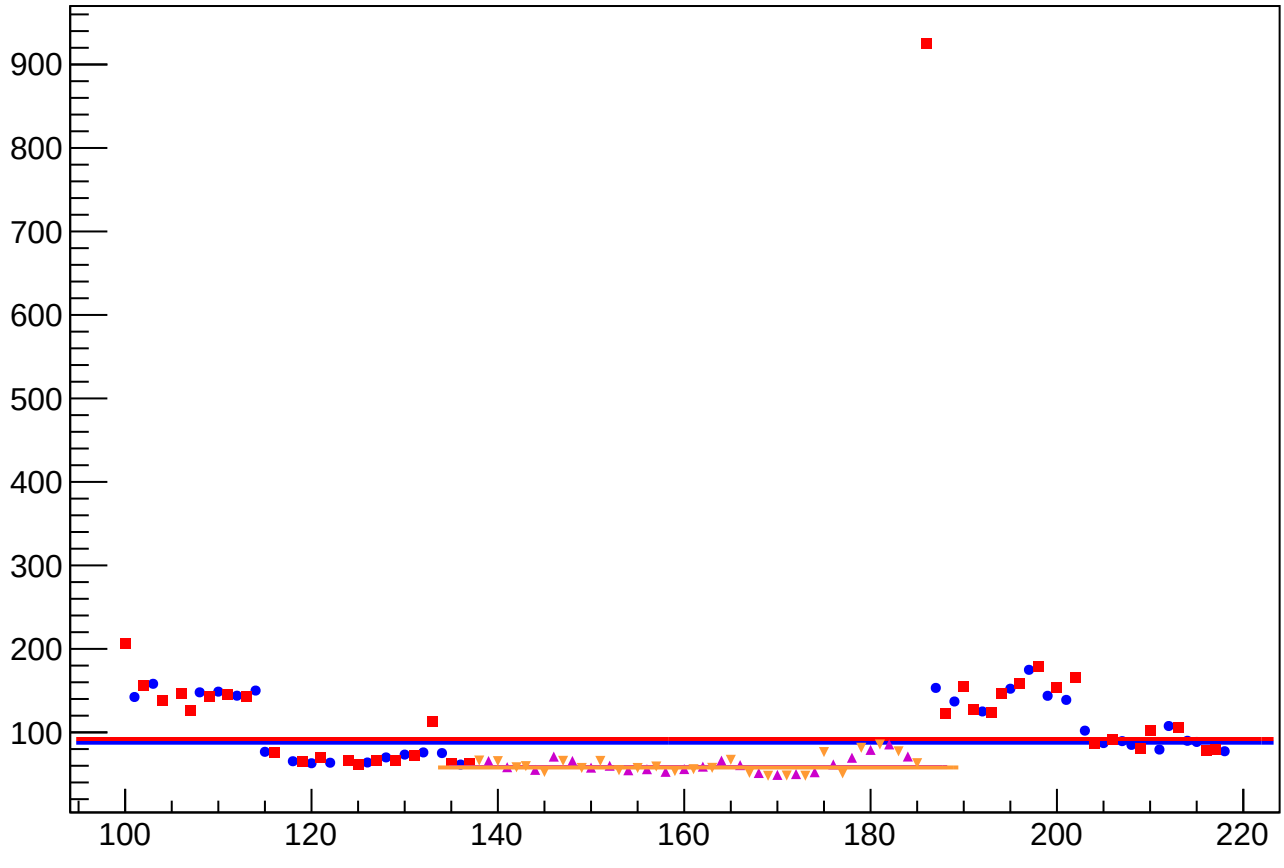
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 10.958+/-14.998 χ^2/NDF: 91.0/67

In: 35.698+/-11.550 χ^2/NDF:67.2/54

Out: 12.750+/-11.450 χ^2/NDF:80.8/60

All: 24.124+/-8.132 χ^2/NDF: 149.9/115



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: 92.051+/-0.015 χ^2/NDF: 4741660.0/35

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

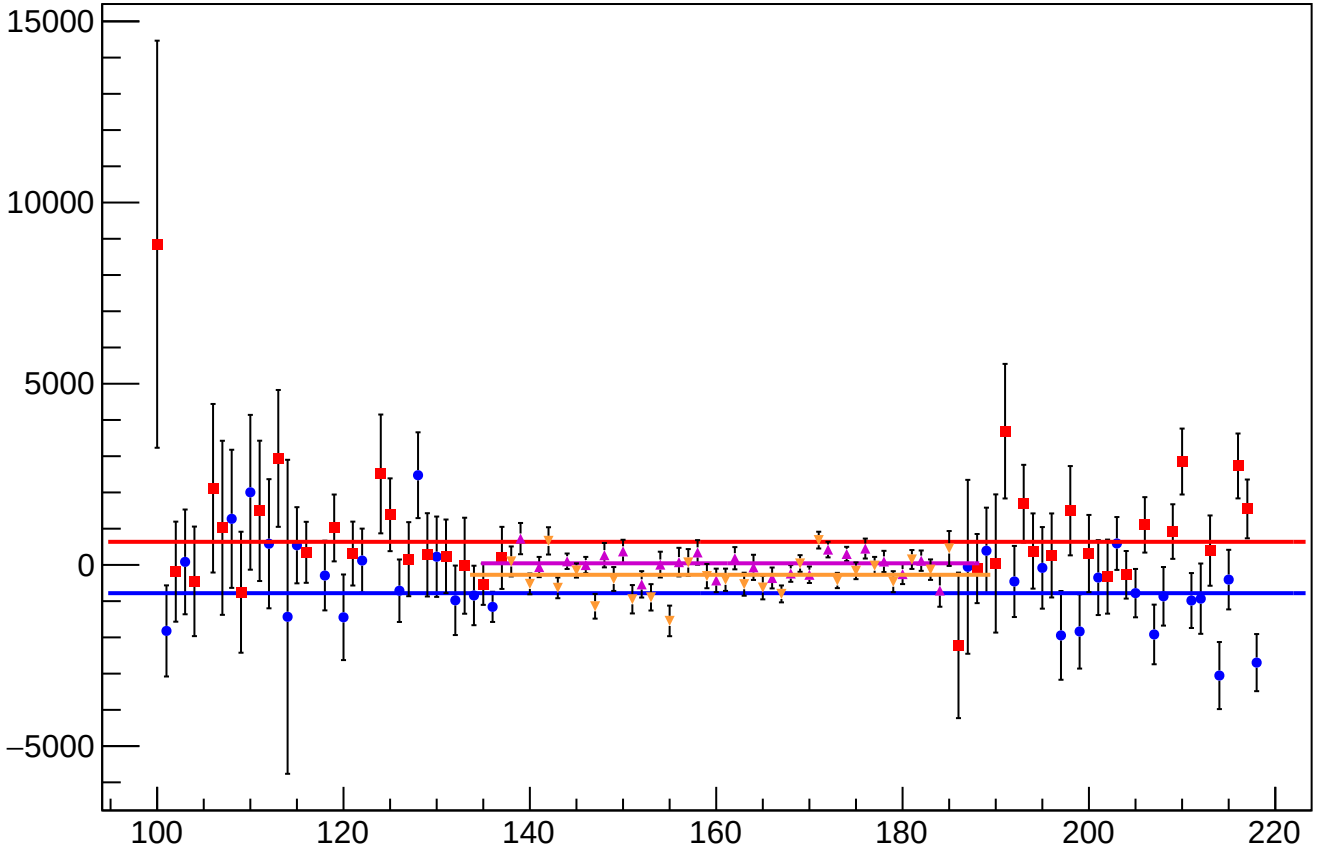
Right: 89.719+/-0.011 χ^2/NDF: 8291559.6/67

In: 67.591+/-0.008 χ^2/NDF:6893253.6/54

Out: 67.363+/-0.008 χ^2/NDF:9177600.0/60

All: 67.476+/-0.006 χ^2/NDF: 16071246.7/115

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: 637.226+/-174.166 χ^2/NDF: 36.5/35

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

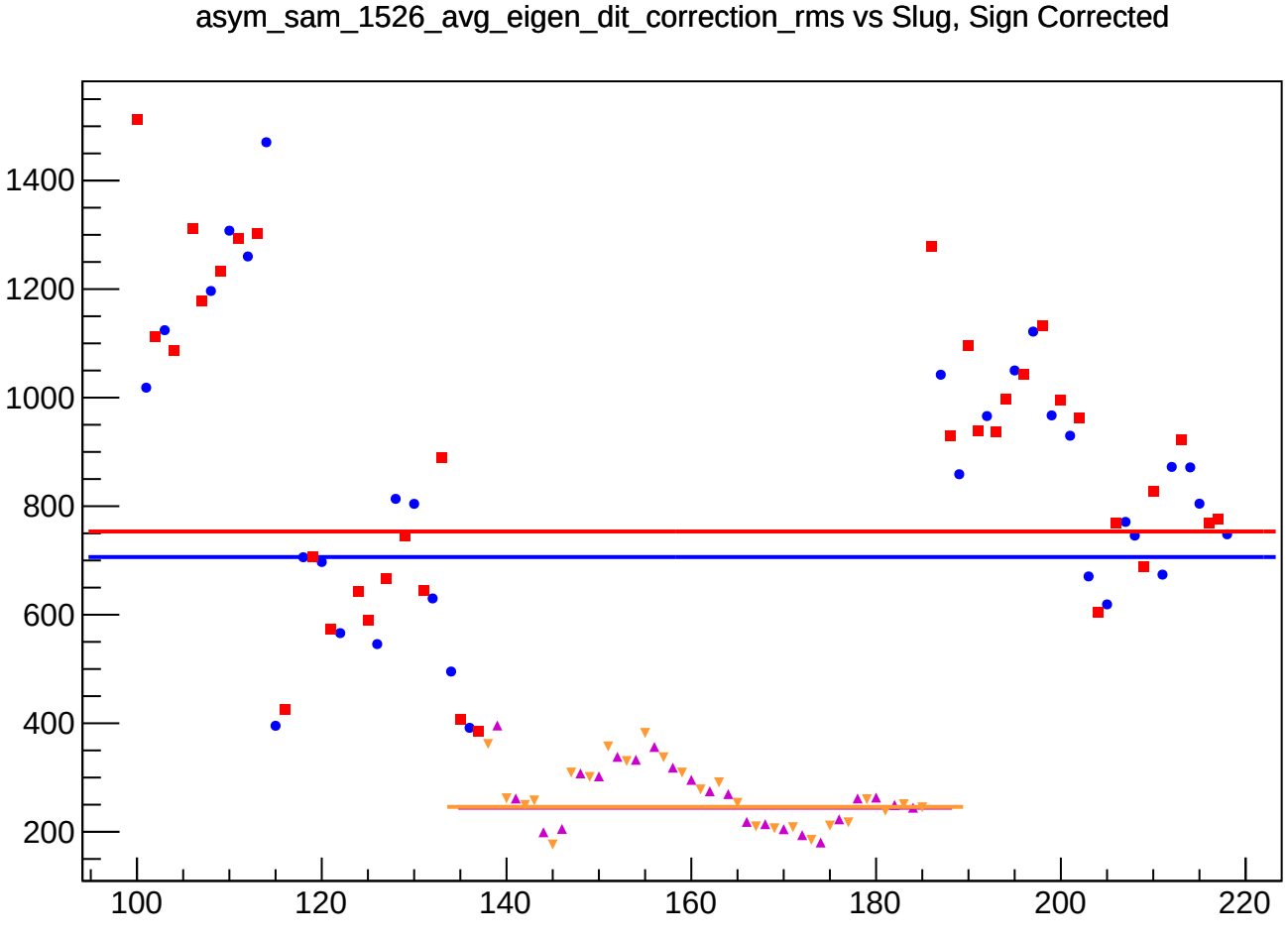
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -108.538+/-119.872 χ^2/NDF: 109.7/67

In: -47.584+/-55.241 χ^2/NDF:87.0/54

Out: -183.734+/-54.408 χ^2/NDF:126.8/60

All: -116.694+/-38.763 χ^2/NDF: 216.9/115



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: 753.365+/-0.123 χ^2/NDF: 3709792.3/35

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

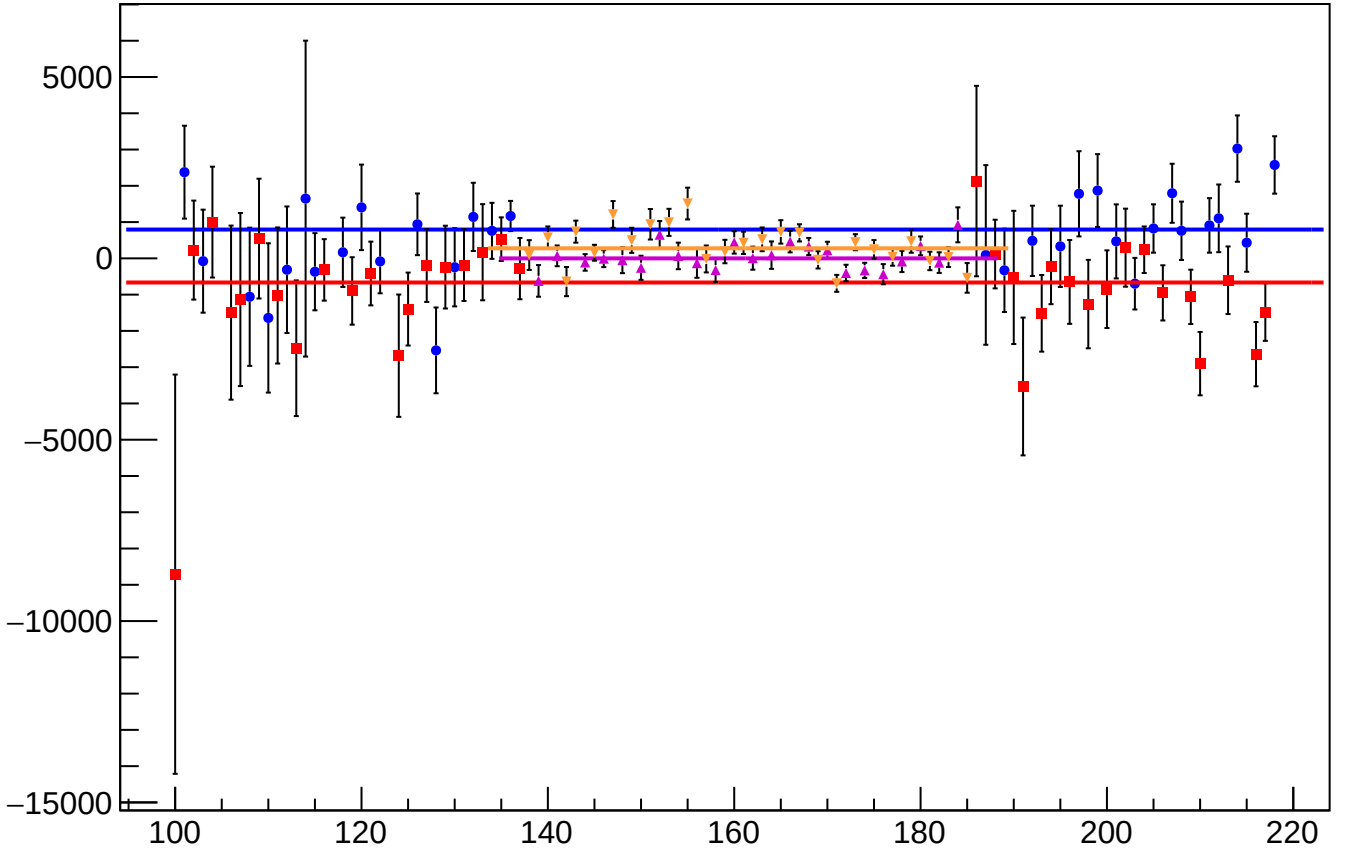
Right: 728.614+/-0.085 χ^2/NDF: 7305110.5/67

In: 296.075+/-0.039 χ^2/NDF:18996569.7/54

Out: 295.527+/-0.038 χ^2/NDF:20705541.8/60

All: 295.797+/-0.027 χ^2/NDF: 39702211.4/11

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: -665.380+/-173.852 χ^2/NDF: 33.8/35

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

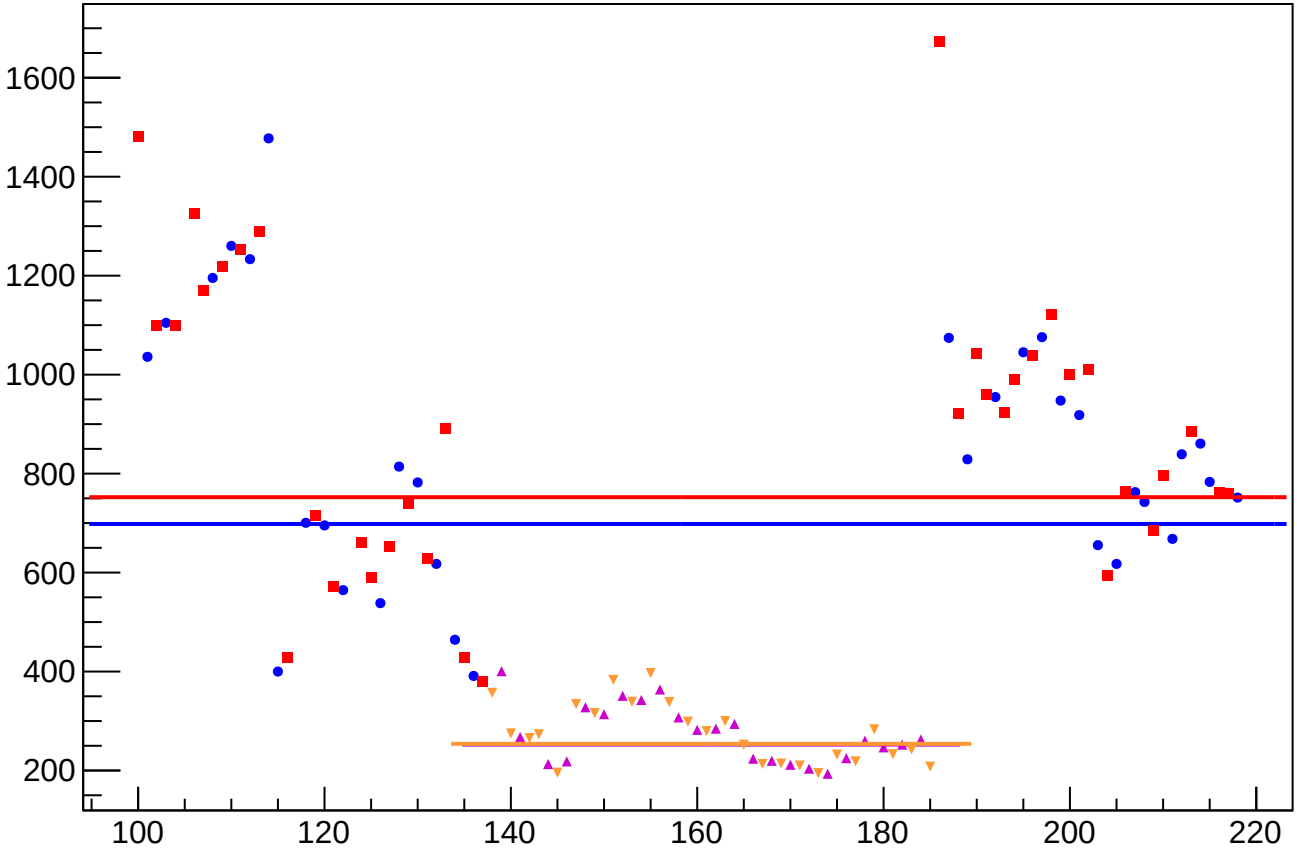
Right: 110.427+/-119.004 χ^2/NDF: 109.3/67

In: 95.052+/-56.611 χ^2/NDF:87.0/54

Out: 179.303+/-55.996 χ^2/NDF:124.2/60

All: 137.637+/-39.811 χ^2/NDF: 212.3/115

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: 752.327+/-0.123 χ^2/NDF: 3643975.0/35

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

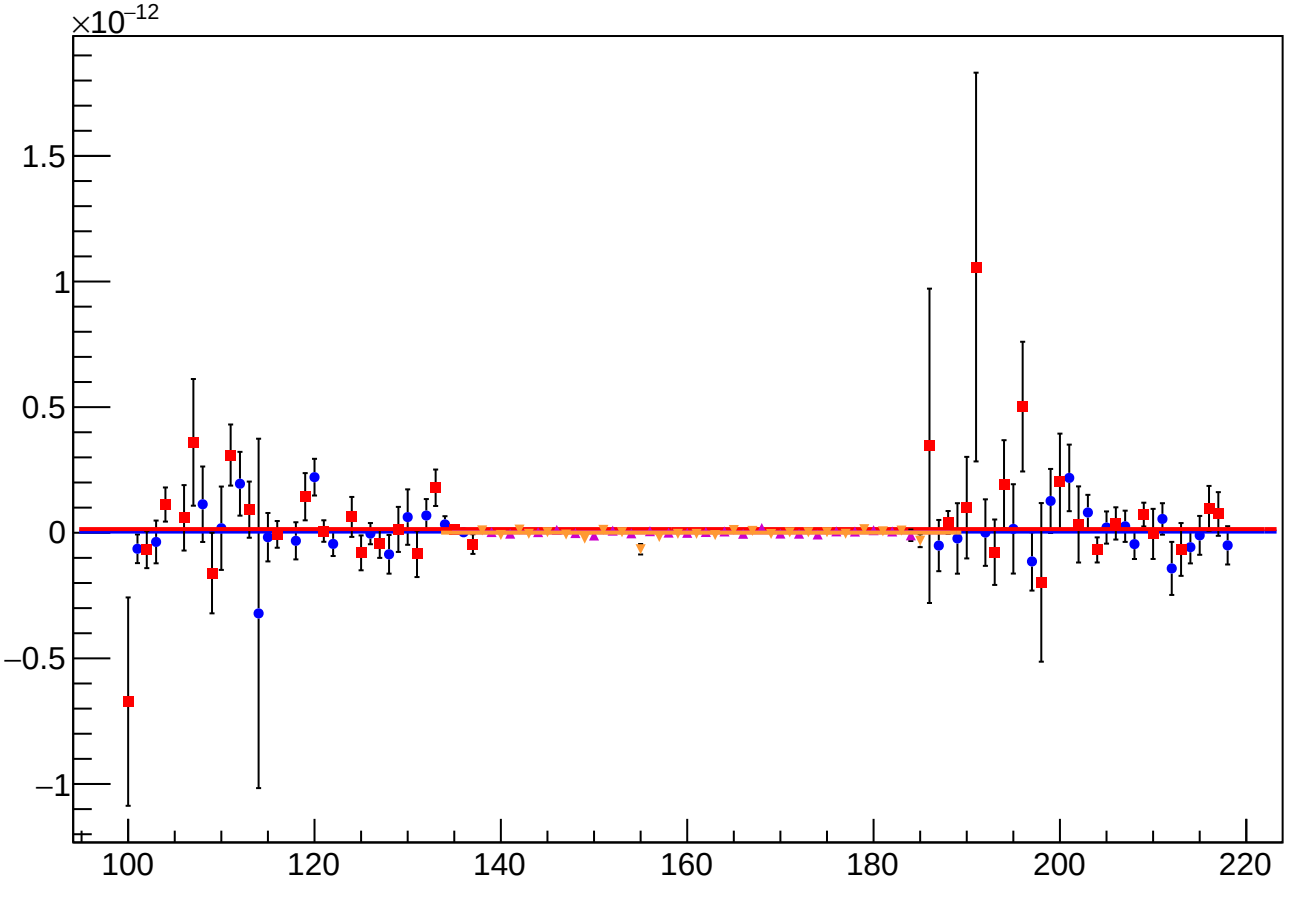
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 723.578+/-0.084 χ^2/NDF: 7203182.2/67

In: 306.008+/-0.040 χ^2/NDF:17992837.7/54

Out: 305.656+/-0.040 χ^2/NDF:19965074.0/60

All: 305.830+/-0.028 χ^2/NDF: 37957950.8/11



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: 45.1/35

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

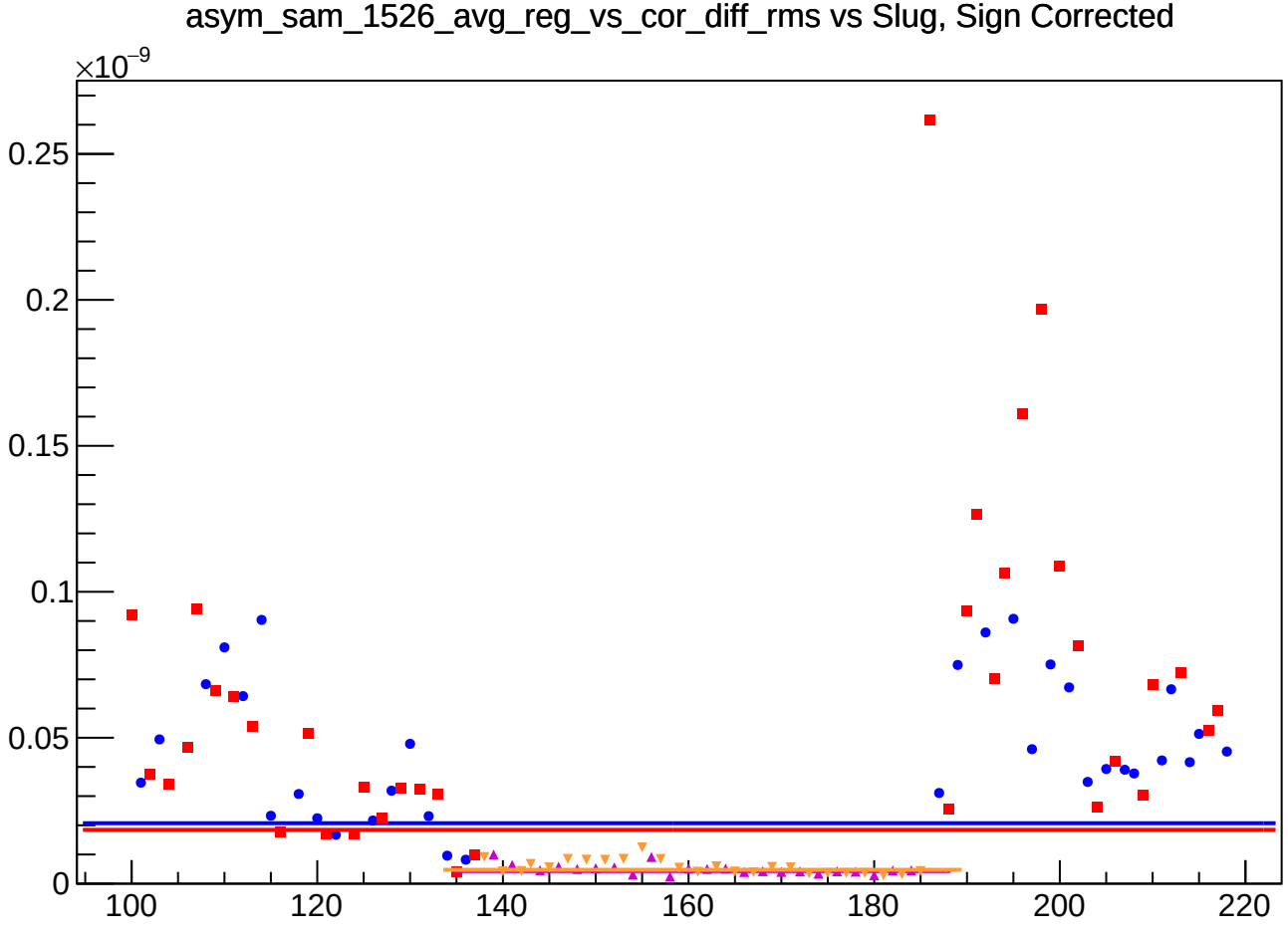
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 75.0/67

In: 0.000+/-0.000 χ^2/NDF:43.3/54

Out: 0.000+/-0.000 χ^2/NDF:74.2/60

All: 0.000+/-0.000 χ^2/NDF: 117.6/115



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: 9874994.3/35

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

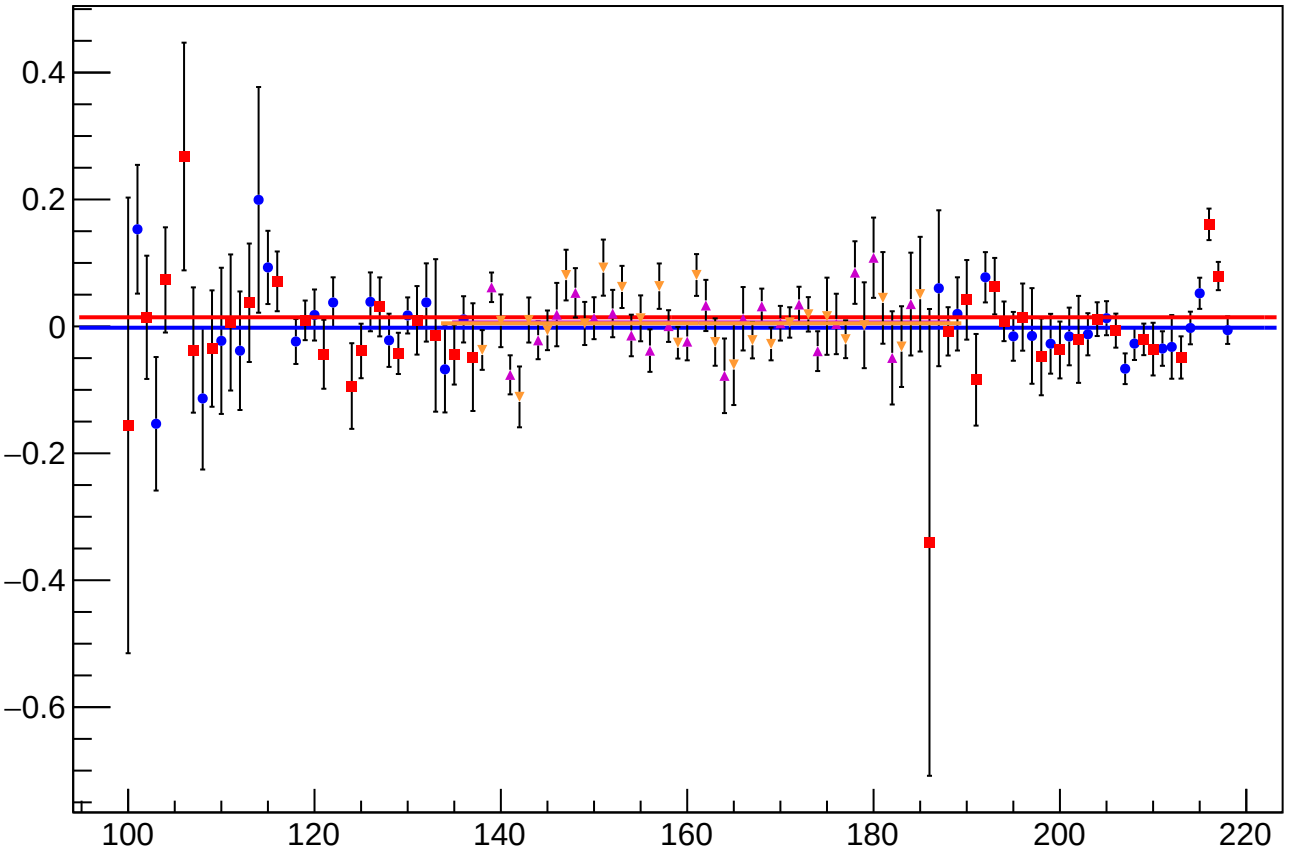
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16938213.0/67

In: 0.000+/-0.000 χ^2/NDF:13873415.9/54

Out: 0.000+/-0.000 χ^2/NDF:15533789.9/60

All: 0.000+/-0.000 χ^2/NDF: 29444293.7/115



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: 0.014+/-0.007 χ^2/NDF: 73.7/35

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

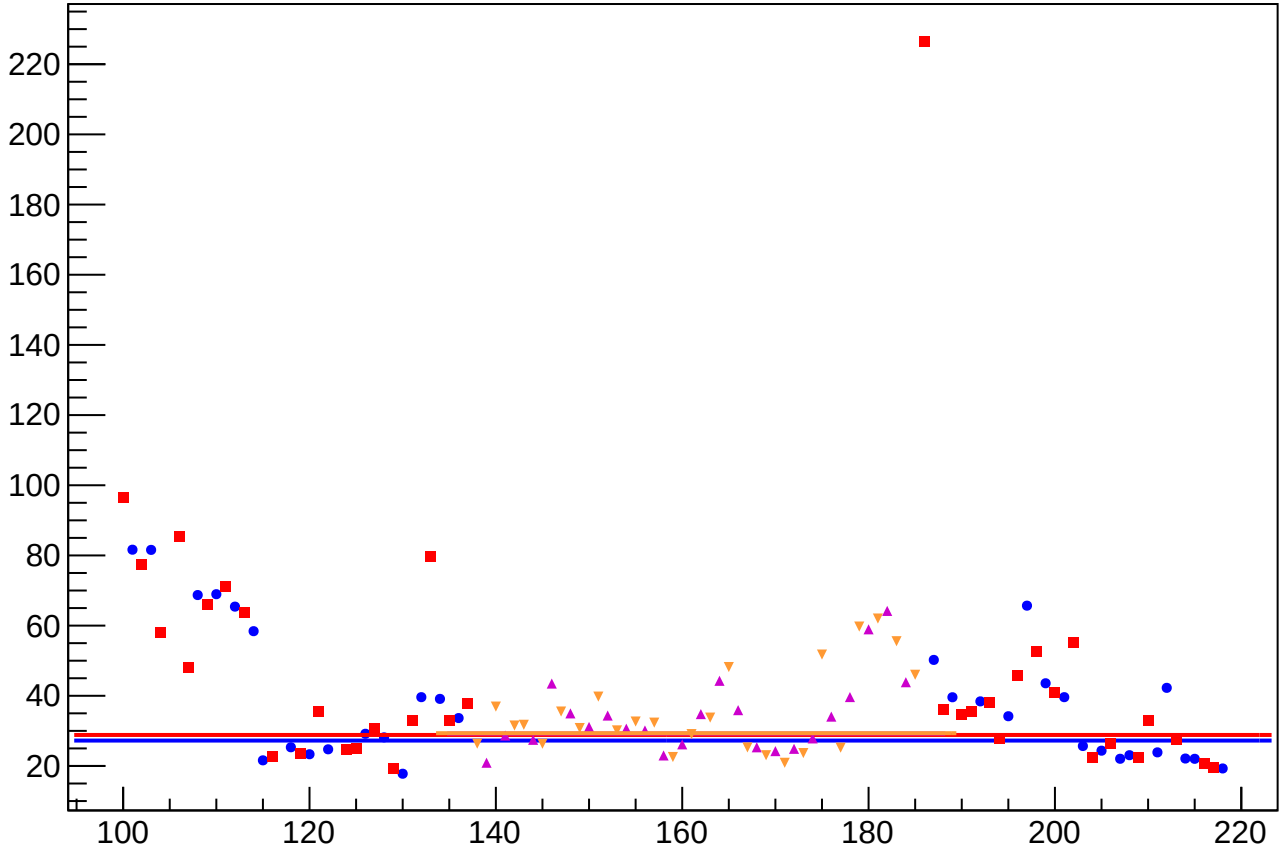
Right: 0.006+/-0.005 χ^2/NDF: 110.7/67

In: 0.002+/-0.005 χ^2/NDF:66.0/54

Out: 0.010+/-0.005 χ^2/NDF:108.5/60

All: 0.006+/-0.004 χ^2/NDF: 175.7/115

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: 28.836+/-0.005 χ^2/NDF: 5329952.5/35

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

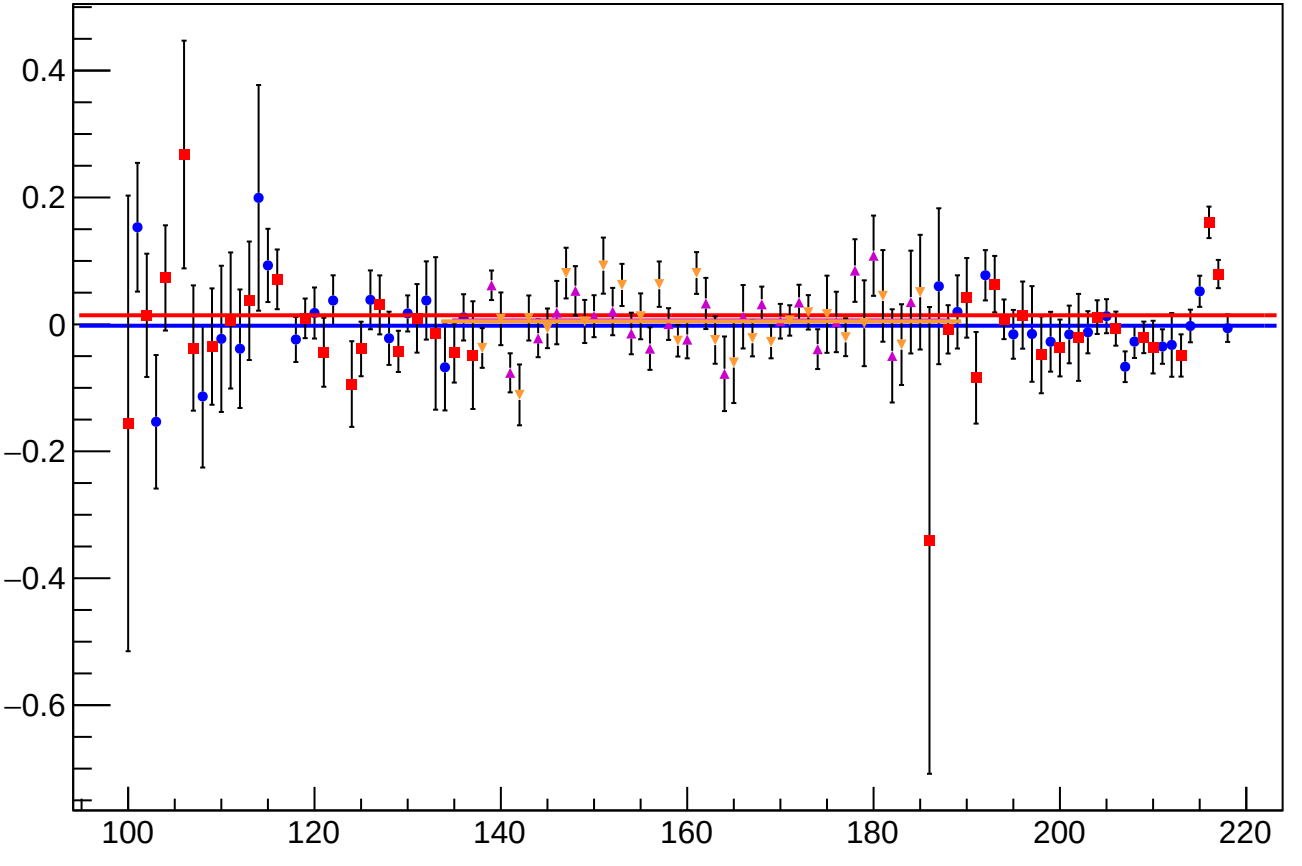
Right: 27.990+/-0.003 χ^2/NDF: 10016444.8/67

In: 28.166+/-0.004 χ^2/NDF:6812010.2/54

Out: 29.090+/-0.004 χ^2/NDF:8022015.0/60

All: 28.619+/-0.003 χ^2/NDF: 14868062.1/115

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: 0.014+/-0.007 χ^2/NDF: 73.7/35

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

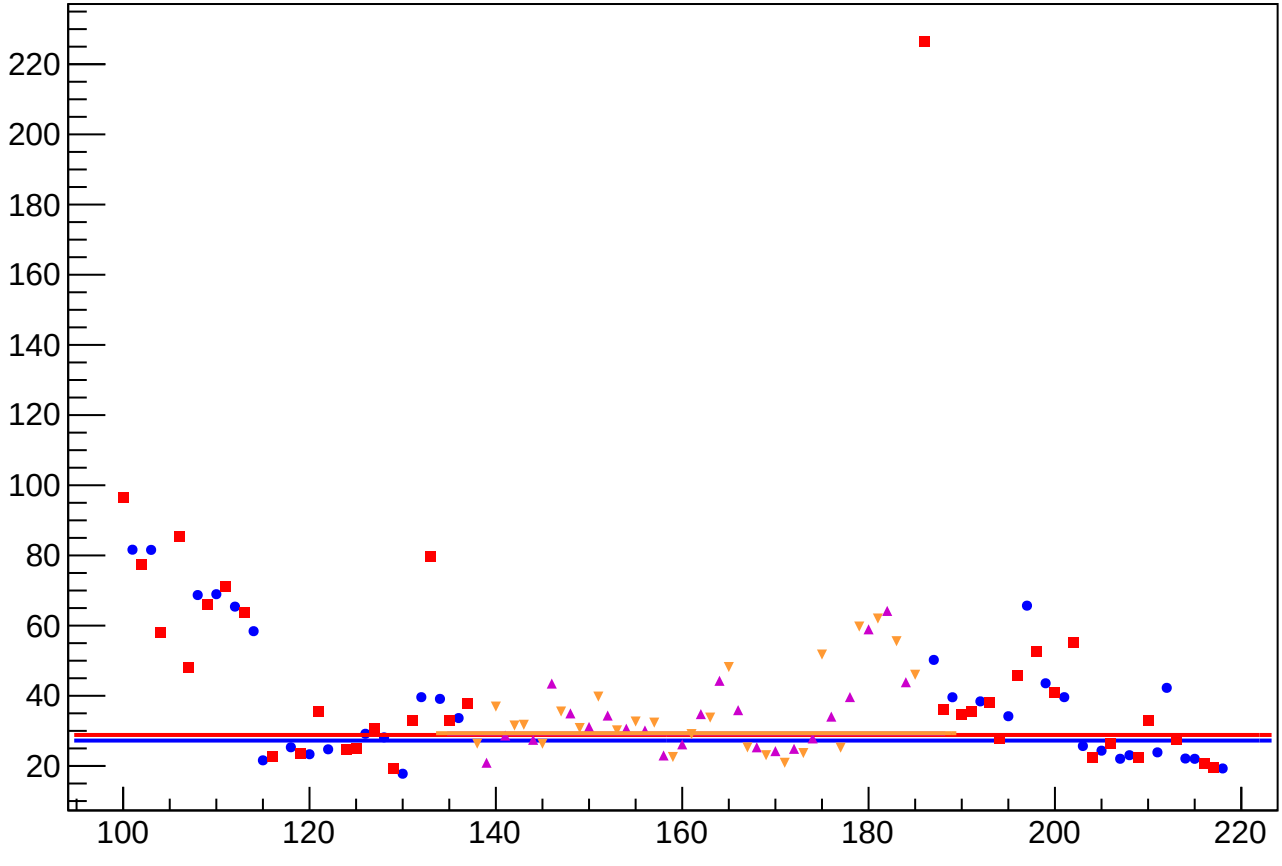
Right: 0.006+/-0.005 χ^2/NDF: 110.7/67

In: 0.002+/-0.005 χ^2/NDF:66.0/54

Out: 0.010+/-0.005 χ^2/NDF:108.5/60

All: 0.006+/-0.004 χ^2/NDF: 175.7/115

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: 28.836+/-0.005 χ^2/NDF: 5329952.5/35

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

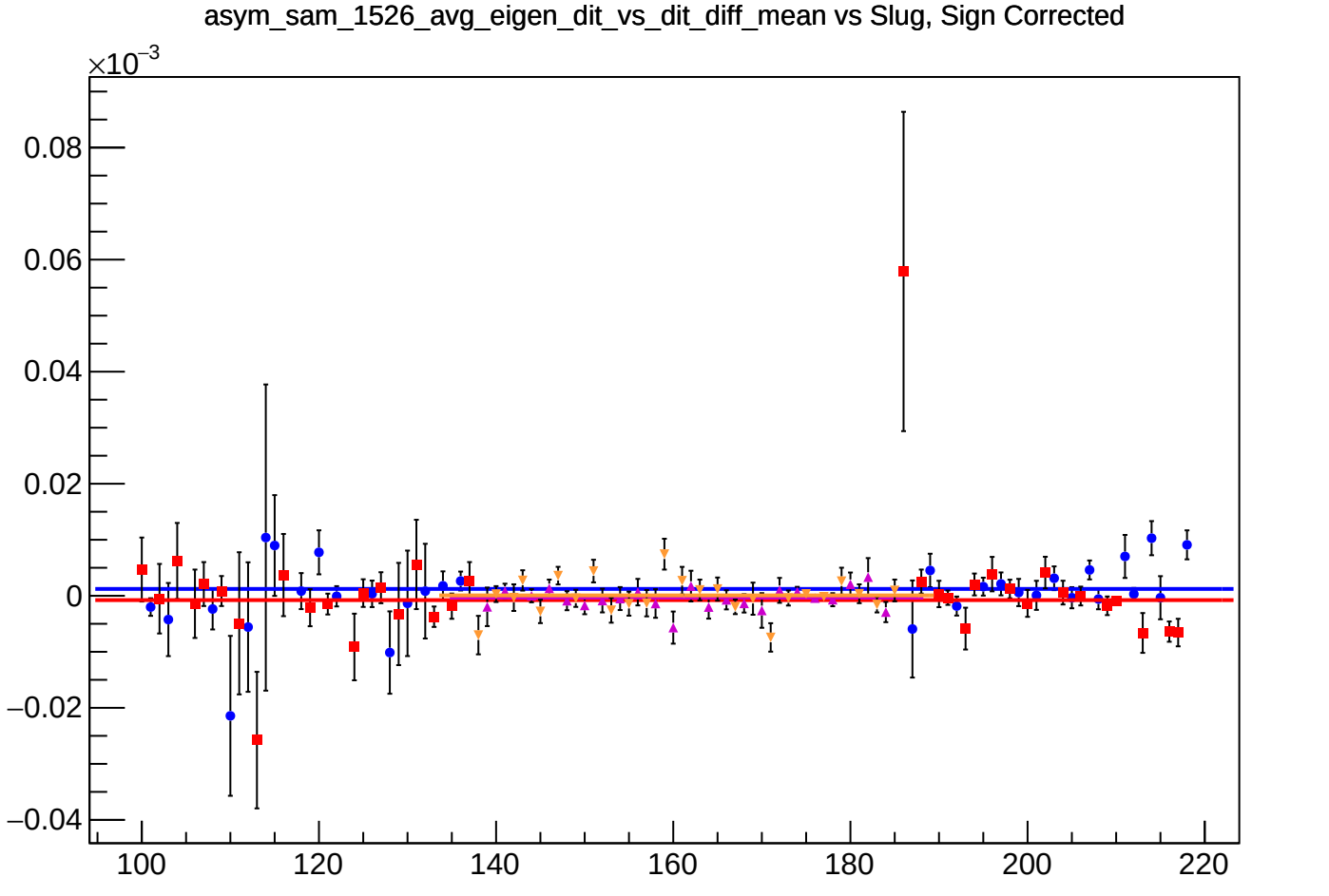
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 27.990+/-0.003 χ^2/NDF: 10016444.8/67

In: 28.166+/-0.004 χ^2/NDF:6812010.2/54

Out: 29.090+/-0.004 χ^2/NDF:8022015.0/60

All: 28.619+/-0.003 χ^2/NDF: 14868062.1/115



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: 52.0/35

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

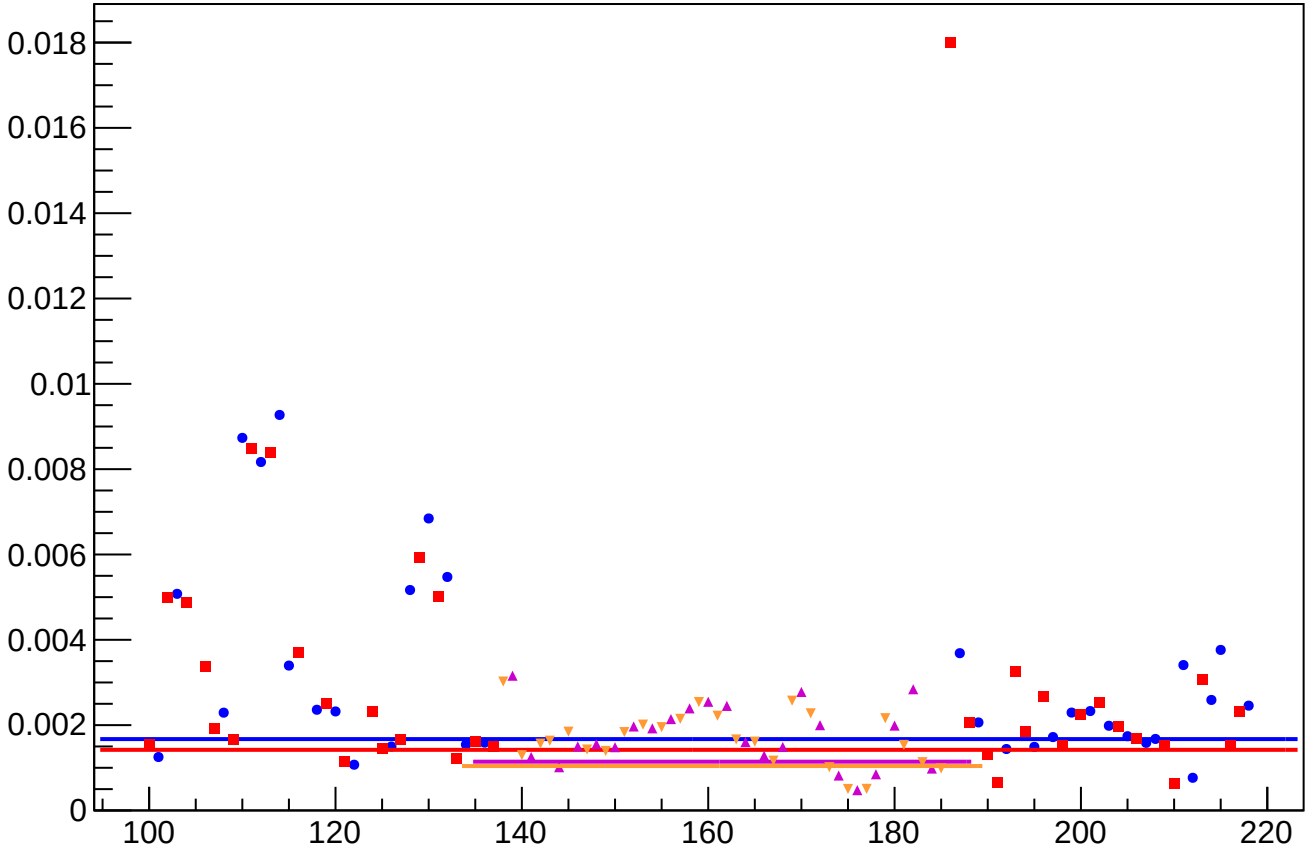
Right: 0.000+/-0.000 χ^2/NDF: 114.2/67

In: 0.000+/-0.000 χ^2/NDF:73.8/54

Out: -0.000+/-0.000 χ^2/NDF:99.0/60

All: -0.000+/-0.000 χ^2/NDF: 174.6/115

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: 10515431.7/35

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

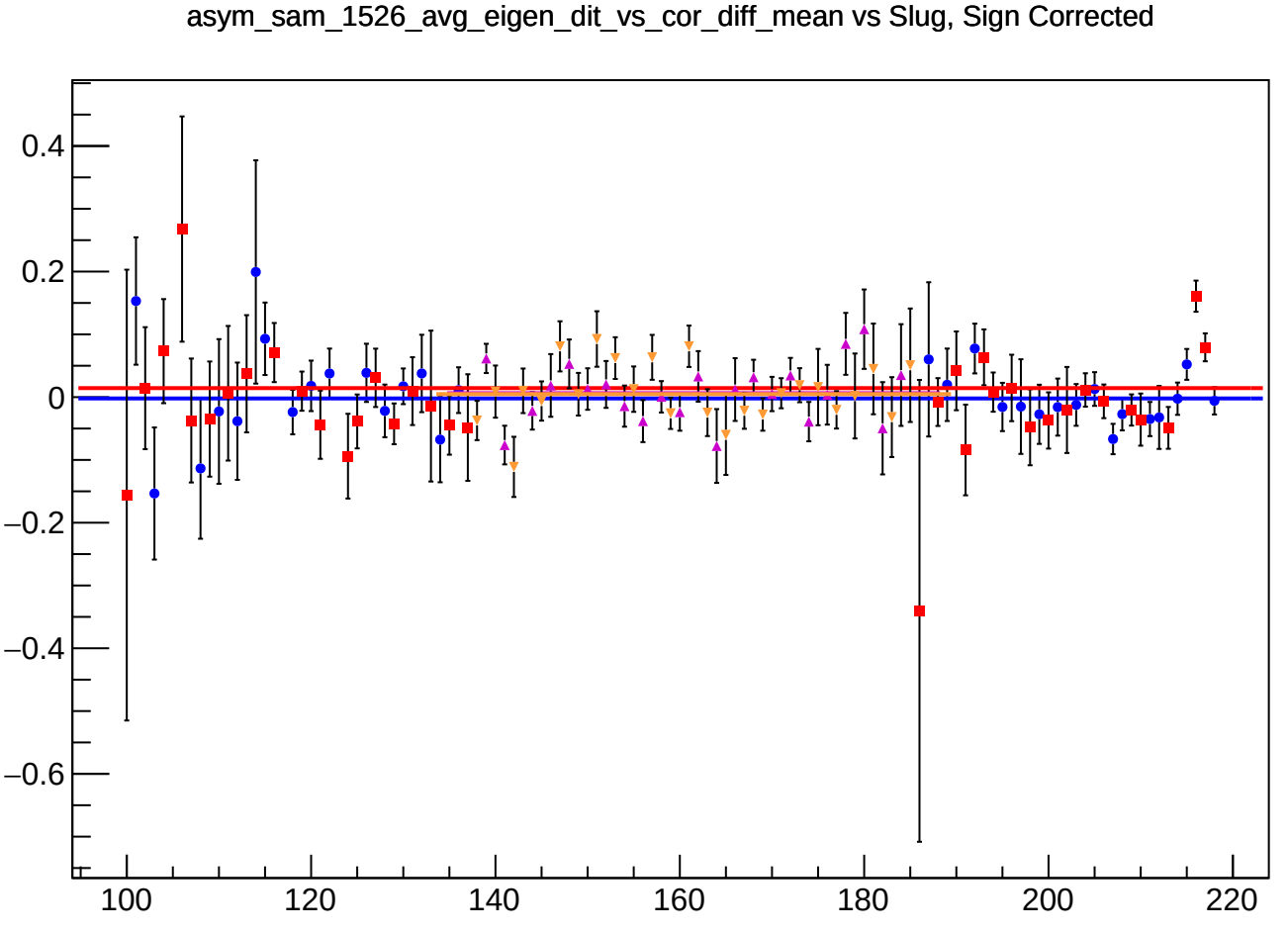
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 18111394.3/67

In: 0.001+/-0.000 χ^2/NDF:17511499.2/54

Out: 0.001+/-0.000 χ^2/NDF:21674928.3/60

All: 0.001+/-0.000 χ^2/NDF: 39584077.0/115



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: 0.014+/-0.007 χ^2/NDF: 73.7/35

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

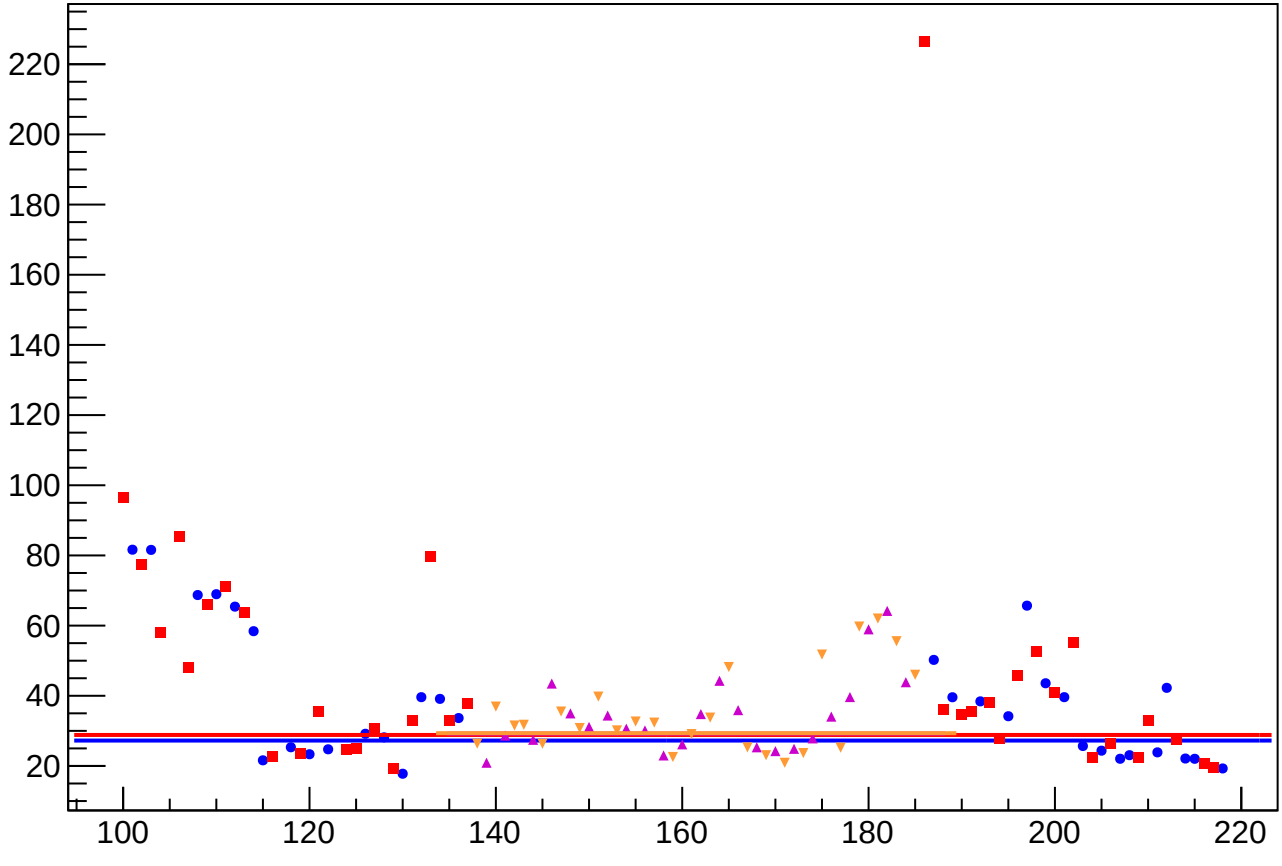
Right: 0.006+/-0.005 χ^2/NDF: 110.7/67

In: 0.002+/-0.005 χ^2/NDF:66.0/54

Out: 0.010+/-0.005 χ^2/NDF:108.5/60

All: 0.006+/-0.004 χ^2/NDF: 175.7/115

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: 28.836+/-0.005 χ^2/NDF: 5330219.8/35

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

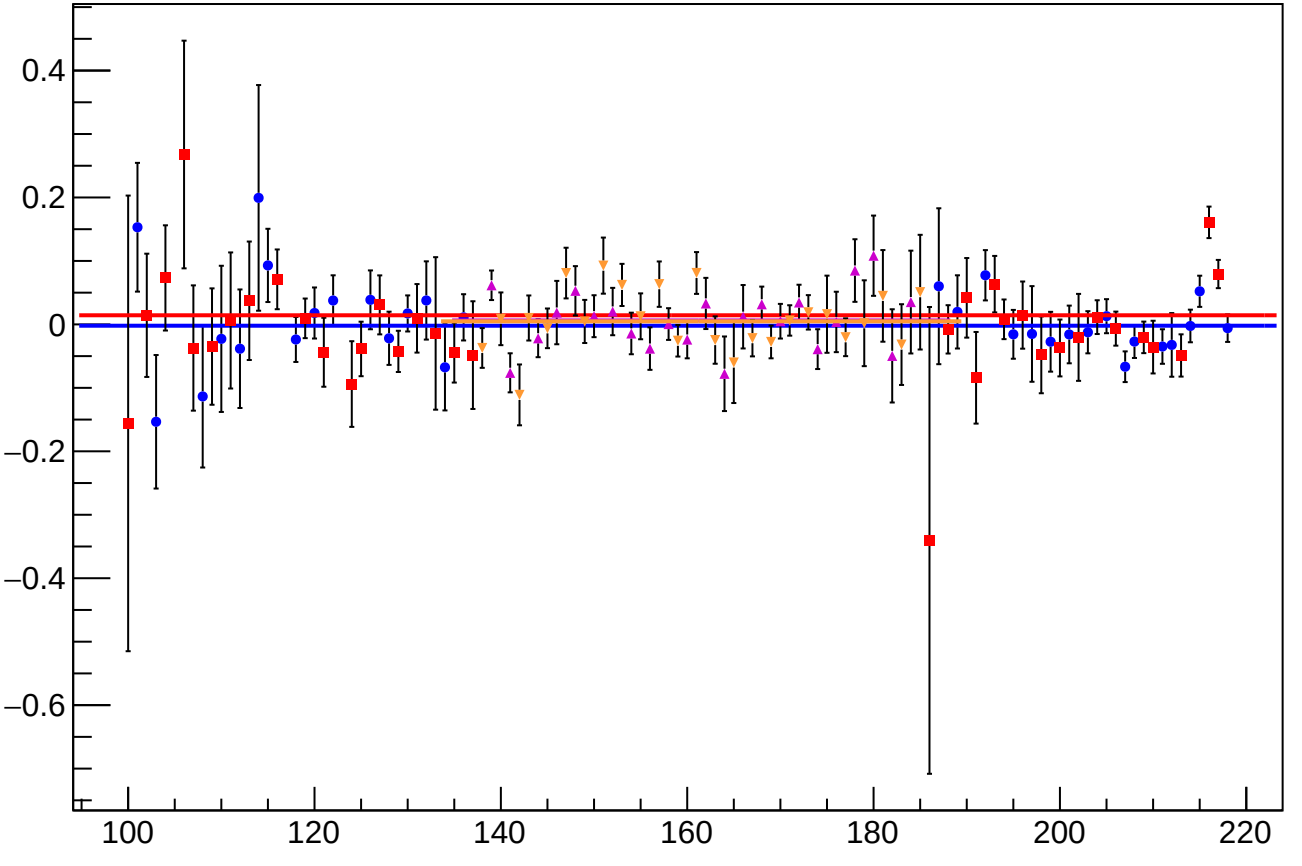
Right: 27.990+/-0.003 χ^2/NDF: 10016905.9/67

In: 28.166+/-0.004 χ^2/NDF:6812251.8/54

Out: 29.090+/-0.004 χ^2/NDF:8022341.3/60

All: 28.619+/-0.003 χ^2/NDF: 14868616.8/115

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: 0.014+/-0.007 χ^2/NDF: 73.7/35

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

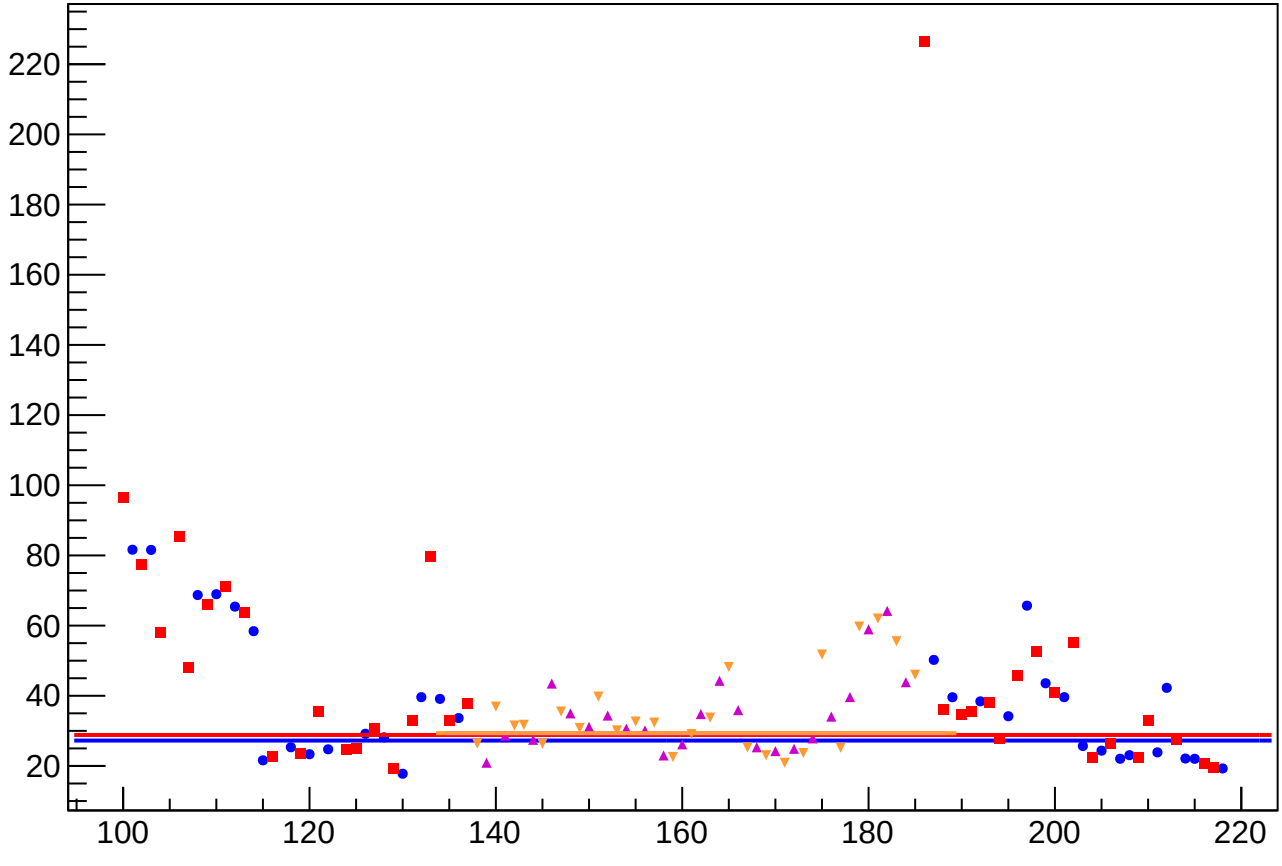
Right: 0.006+/-0.005 χ^2/NDF: 110.7/67

In: 0.002+/-0.005 χ^2/NDF:66.0/54

Out: 0.010+/-0.005 χ^2/NDF:108.5/60

All: 0.006+/-0.004 χ^2/NDF: 175.7/115

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: 28.836+/-0.005 χ^2/NDF: 5330219.8/35

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

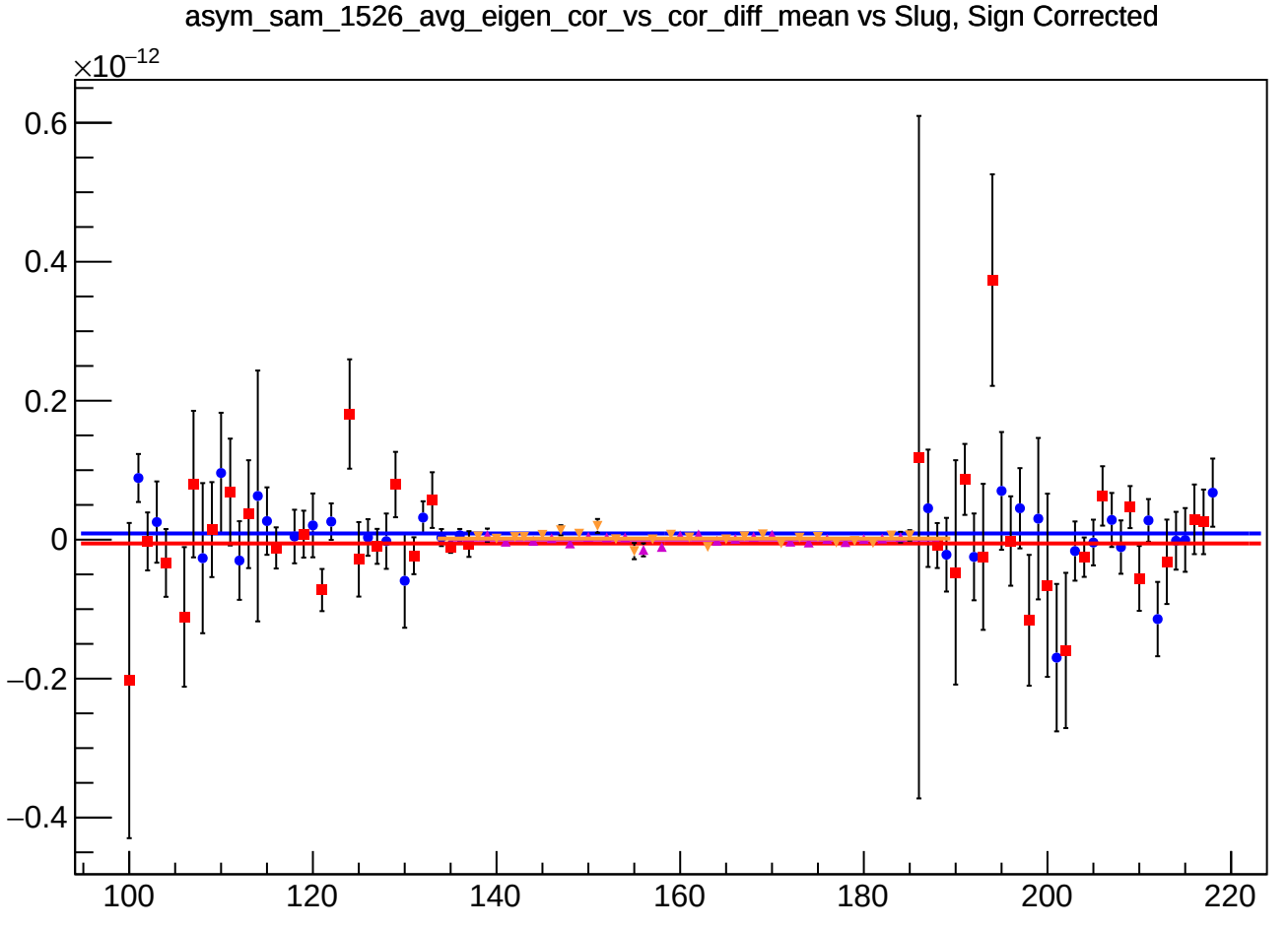
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 27.990+/-0.003 χ^2/NDF: 10016905.9/67

In: 28.166+/-0.004 χ^2/NDF:6812251.8/54

Out: 29.090+/-0.004 χ^2/NDF:8022341.3/60

All: 28.619+/-0.003 χ^2/NDF: 14868616.8/115



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: 43.1/35

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

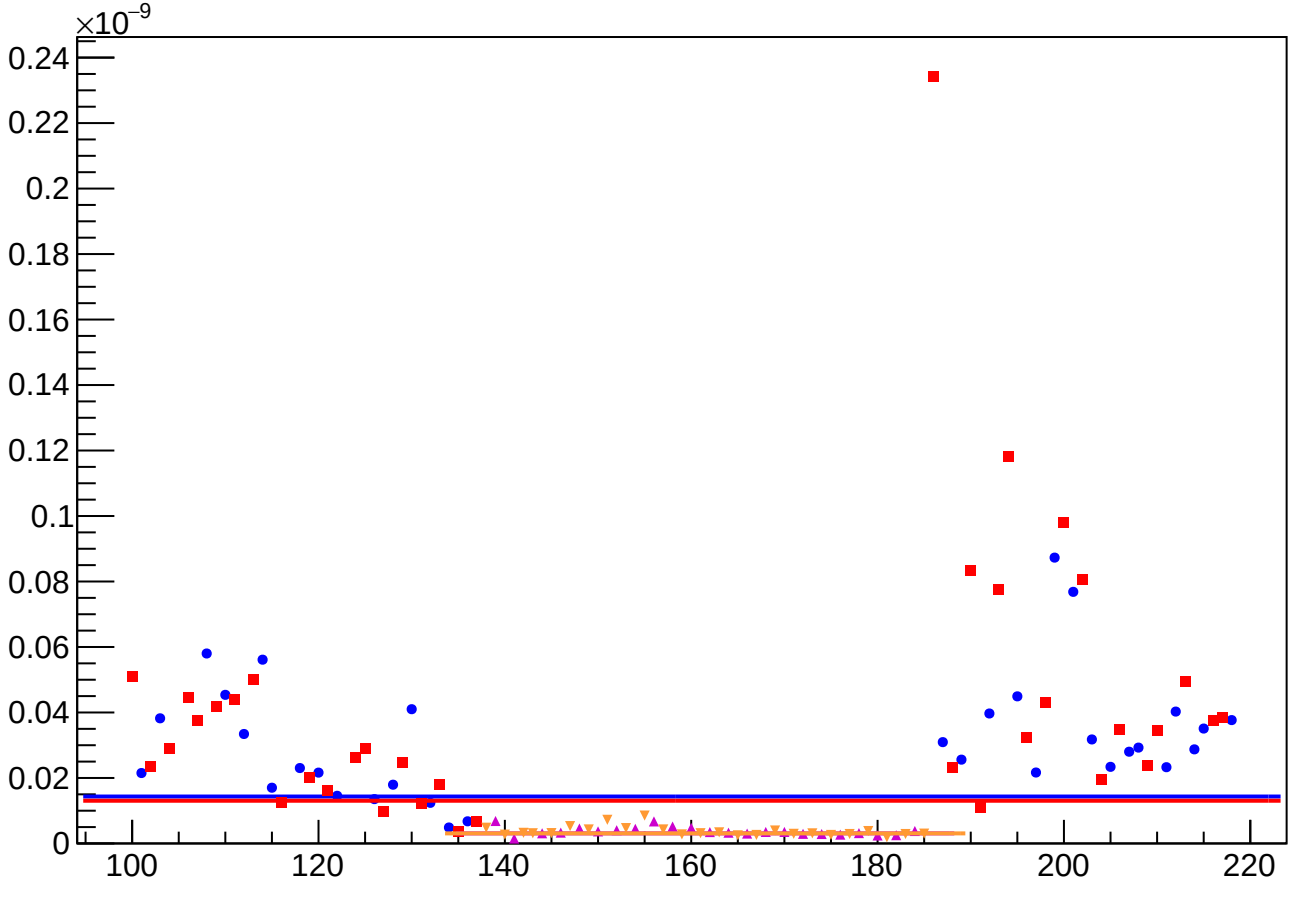
Right: 0.000+/-0.000 χ^2/NDF: 69.7/67

In: 0.000+/-0.000 χ^2/NDF:44.1/54

Out: 0.000+/-0.000 χ^2/NDF:79.8/60

All: 0.000+/-0.000 χ^2/NDF: 124.4/115

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: 13164799.8/35

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

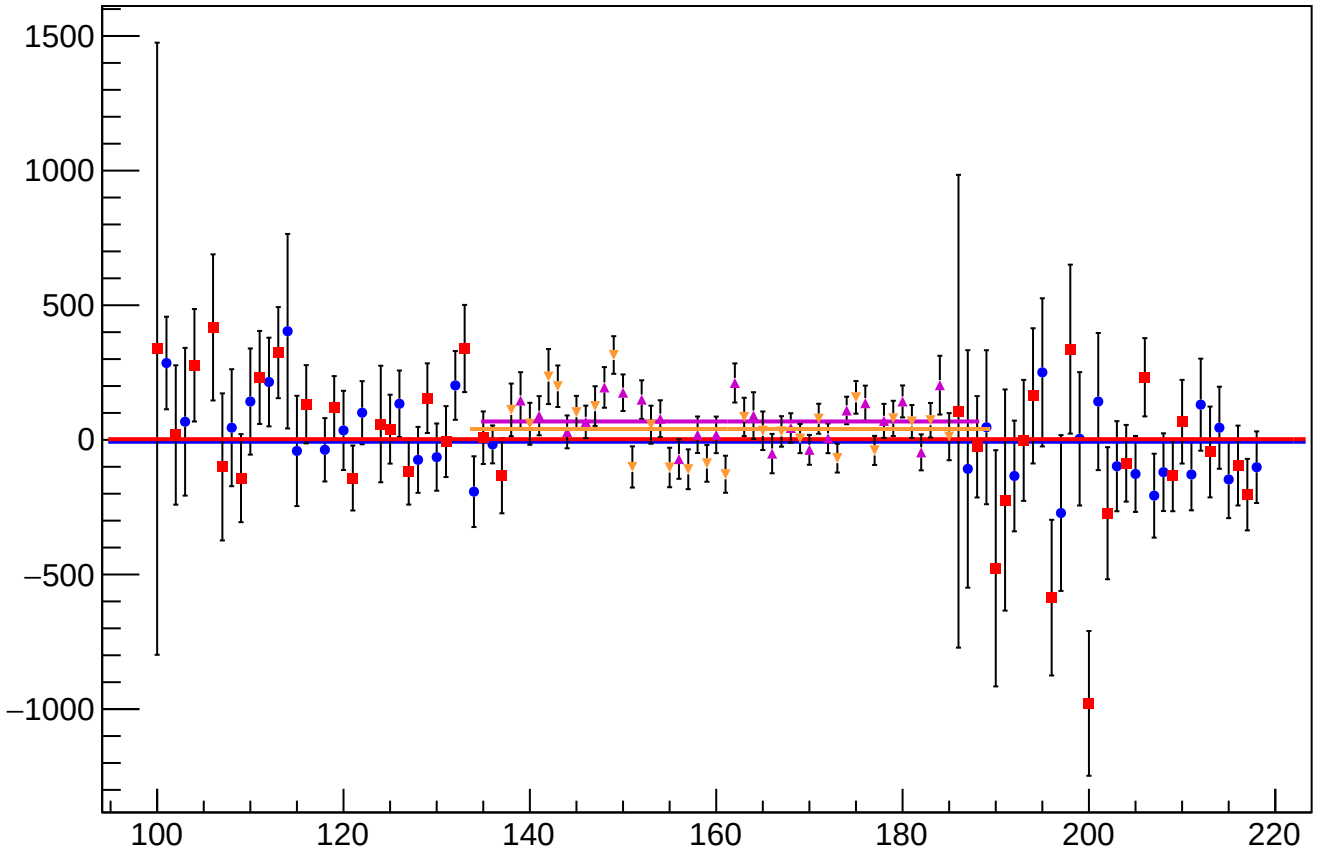
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 22719339.2/67

In: 0.000+/-0.000 χ^2/NDF:20203920.3/54

Out: 0.000+/-0.000 χ^2/NDF:21944891.0/60

All: 0.000+/-0.000 χ^2/NDF: 42152796.4/115



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: 2.571+/-27.903 χ^2/NDF: 50.4/35

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

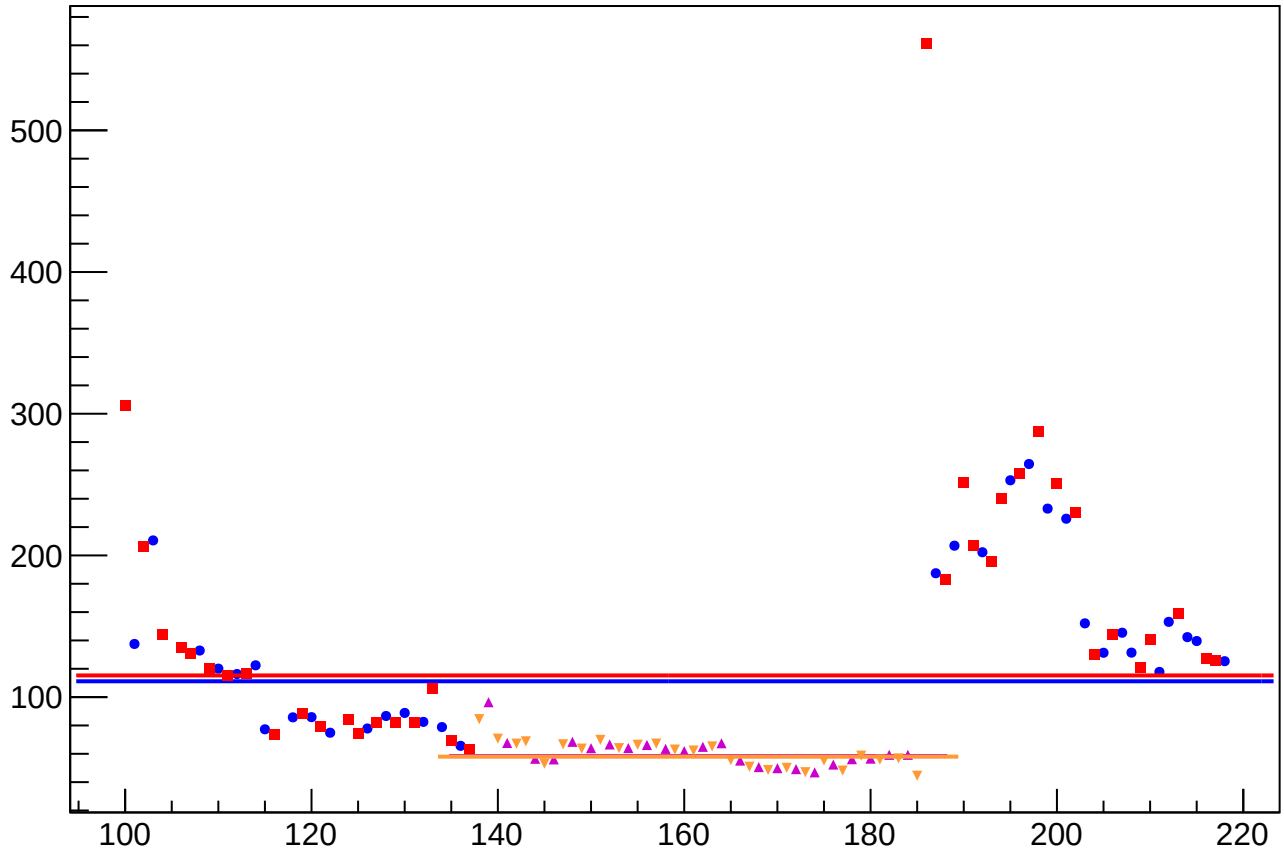
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: -2.358+/-19.362 χ^2/NDF: 73.5/67

In: 52.531+/-12.324 χ^2/NDF:61.0/54

Out: 33.262+/-12.081 χ^2/NDF:111.3/60

All: 42.704+/-8.627 χ^2/NDF: 173.6/115



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: 115.302+/-0.020 χ^2/NDF: 6358740.0/35

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

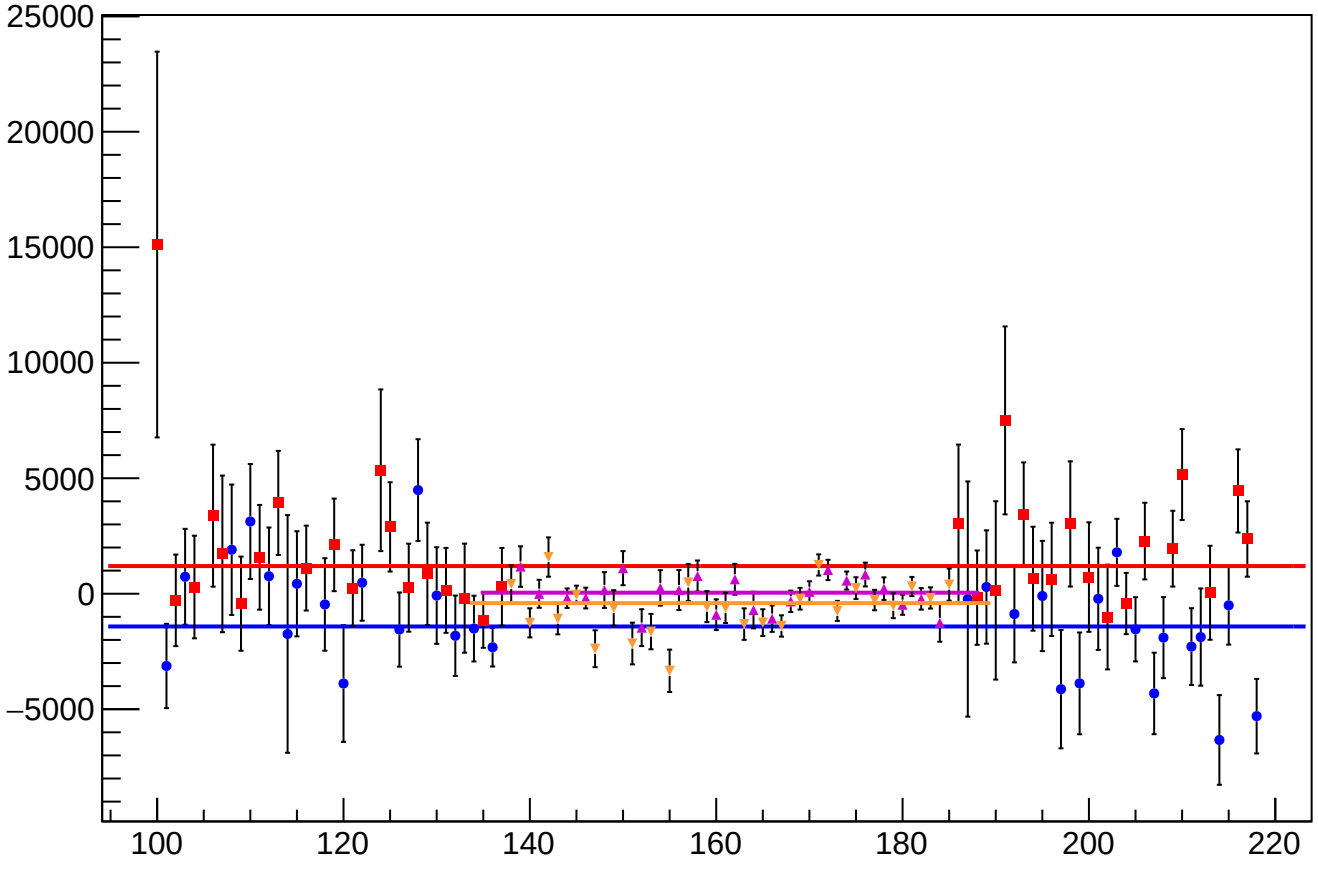
Right: 113.167+/-0.014 χ^2/NDF: 11732926.4/67

In: 69.485+/-0.009 χ^2/NDF:12175252.2/54

Out: 68.737+/-0.009 χ^2/NDF:14021044.8/60

All: 69.104+/-0.006 χ^2/NDF: 26200050.2/115

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: 1197.724+/-341.393 χ^2/NDF: 30.0/35

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

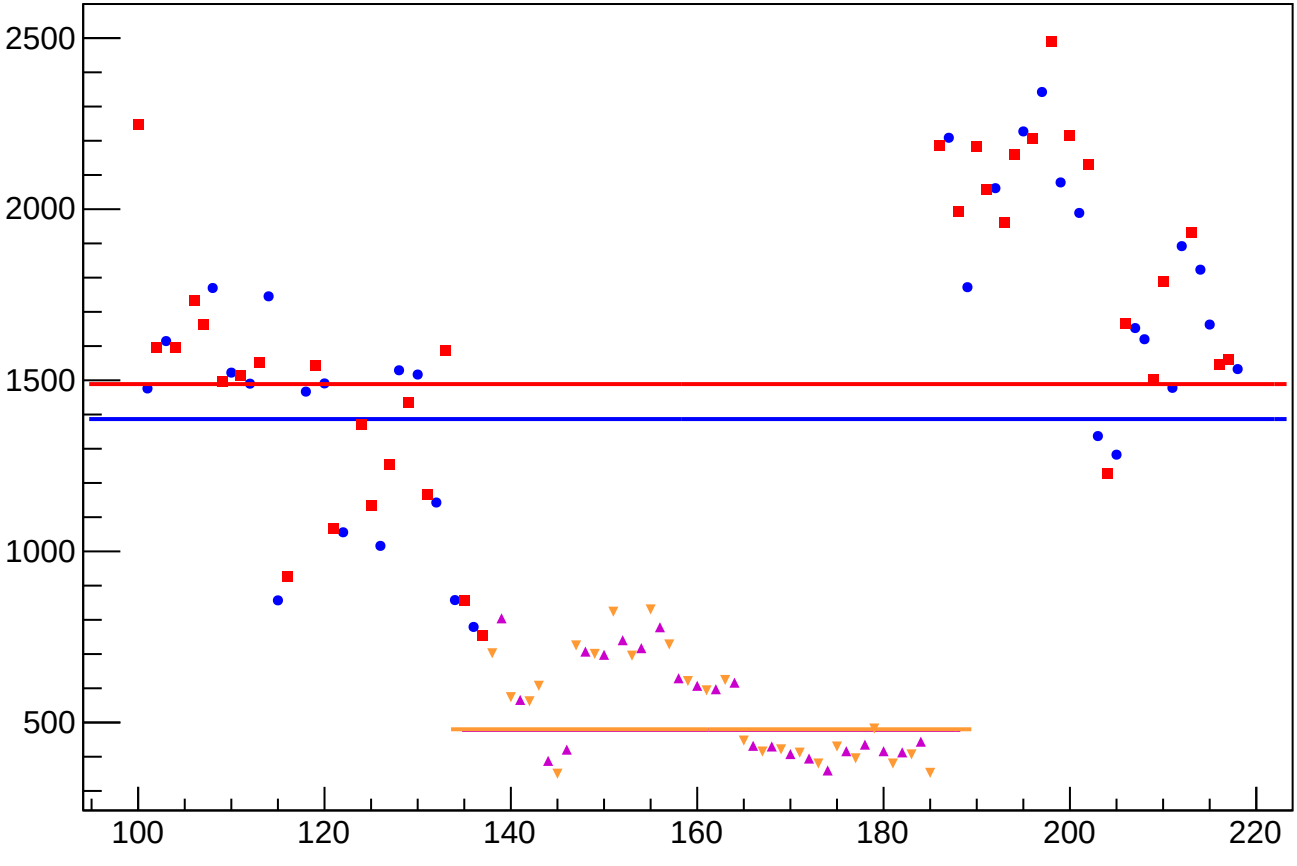
Right: -179.393+/-234.940 χ^2/NDF: 104.7/67

In: -120.984+/-109.008 χ^2/NDF:93.0/54

Out: -246.754+/-107.676 χ^2/NDF:113.1/60

All: -184.642+/-76.605 χ^2/NDF: 206.7/115

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: 1488.939+/-0.241 χ^2/NDF: 3086703.7/35

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

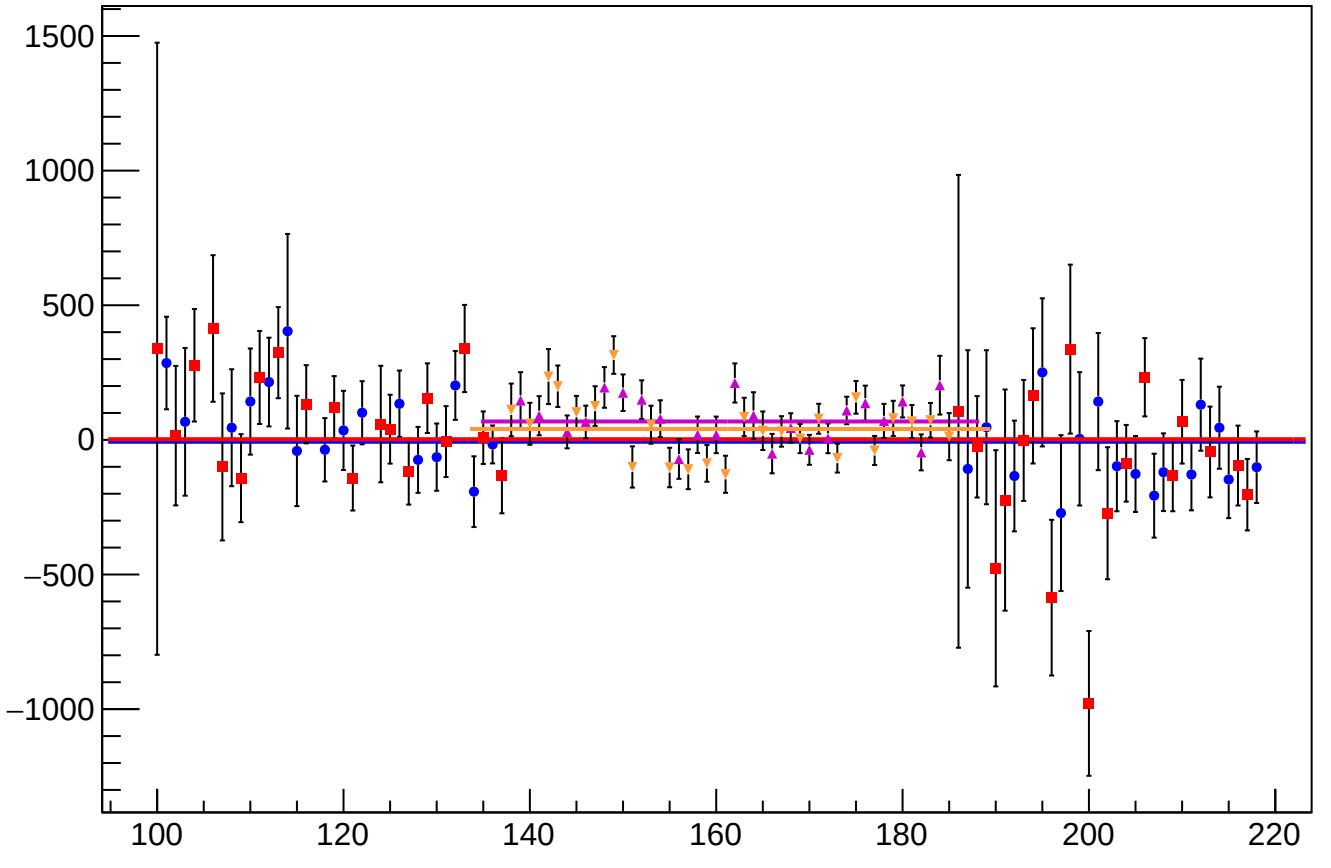
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1435.124+/-0.166 χ^2/NDF: 6535995.6/67

In: 581.054+/-0.077 χ^2/NDF:19533181.7/54

Out: 580.514+/-0.076 χ^2/NDF:21394495.2/60

All: 580.780+/-0.054 χ^2/NDF: 40927701.8/11



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: 2.475+/-27.904 χ^2/NDF: 50.3/35

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

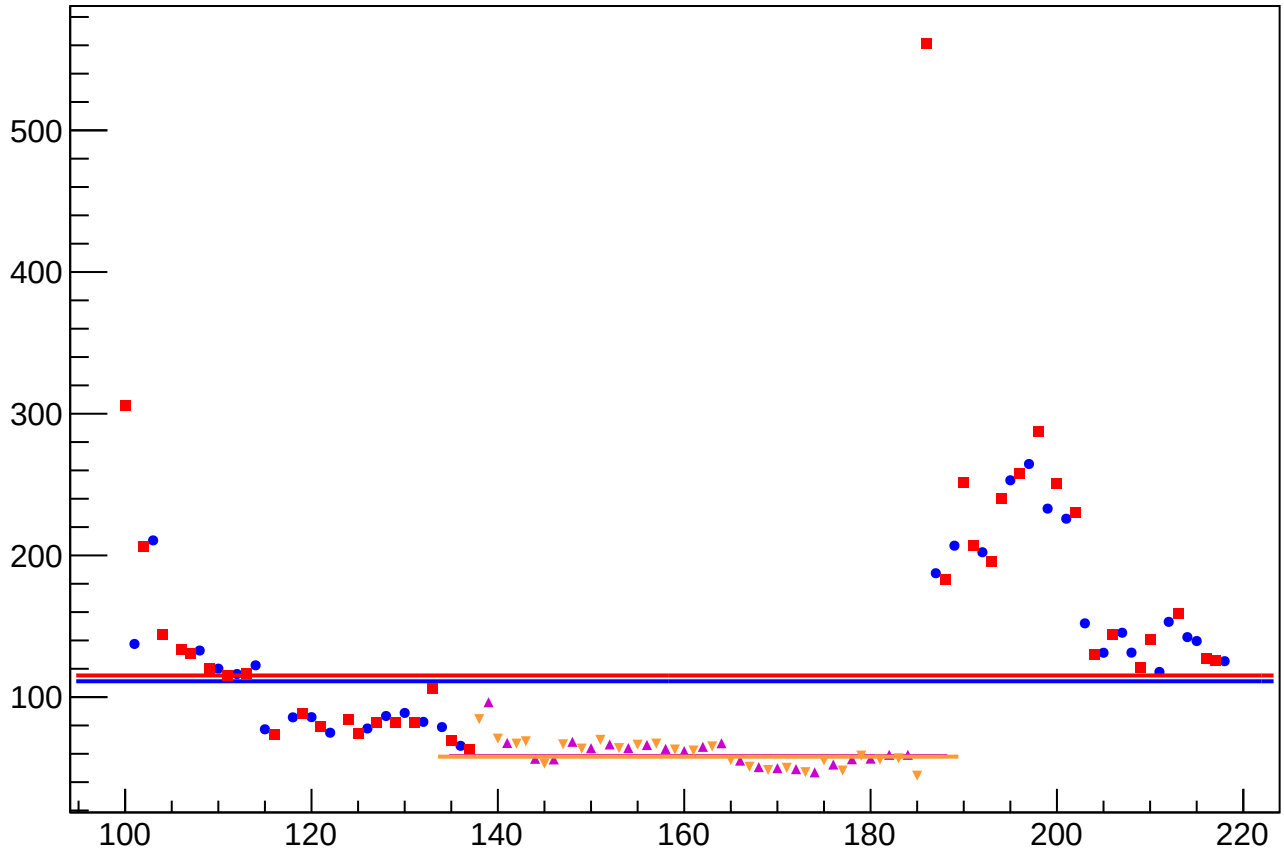
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: -2.409+/-19.363 χ^2/NDF: 73.5/67

In: 52.528+/-12.324 χ^2/NDF:61.0/54

Out: 33.246+/-12.081 χ^2/NDF:111.2/60

All: 42.695+/-8.627 χ^2/NDF: 173.5/115



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: 115.281+/-0.020 χ^2/NDF: 6356990.2/35

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

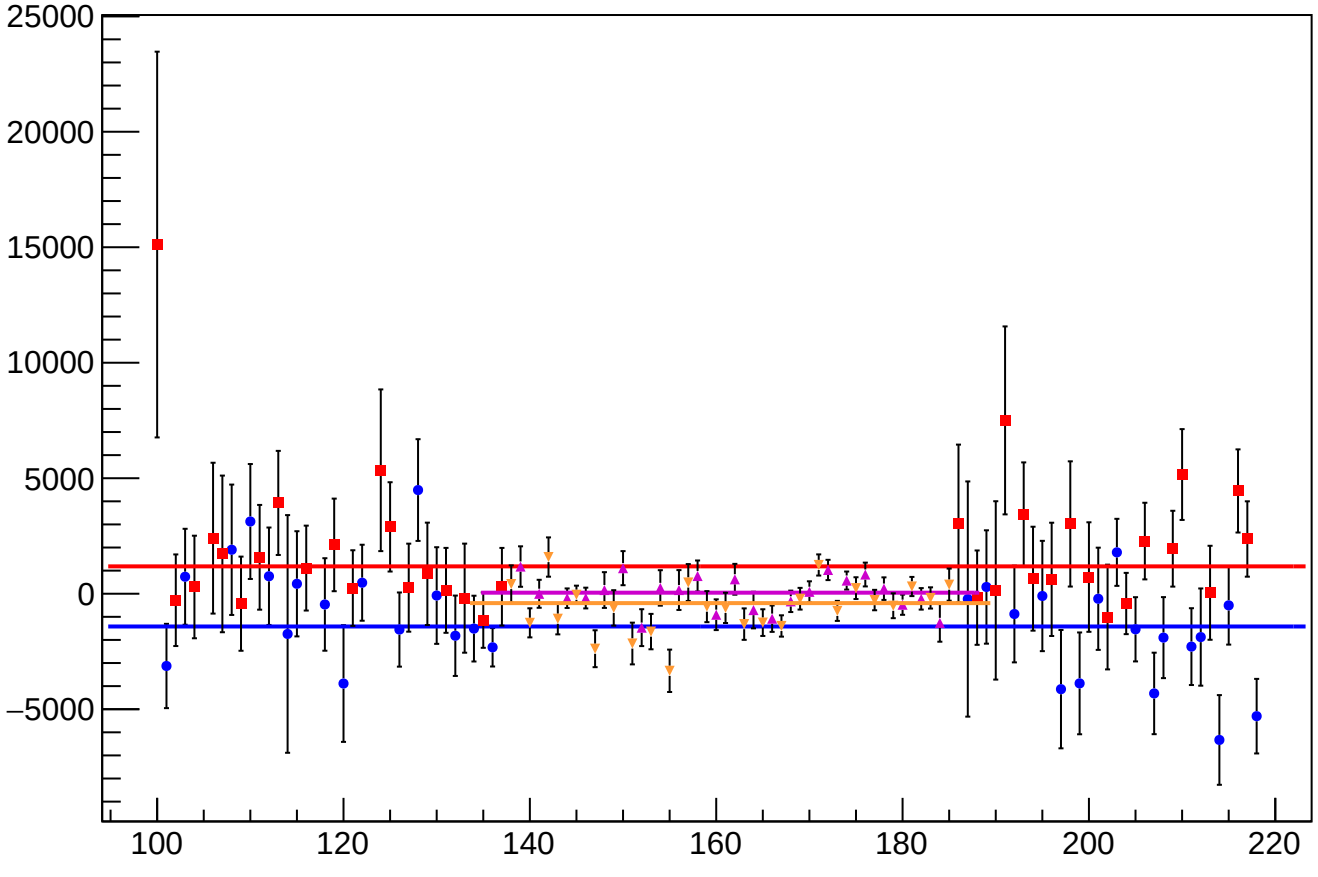
Right: 113.156+/-0.014 χ^2/NDF: 11730940.3/67

In: 69.485+/-0.009 χ^2/NDF:12175254.6/54

Out: 68.733+/-0.009 χ^2/NDF:14013645.5/60

All: 69.101+/-0.006 χ^2/NDF: 26192701.3/115

asym_sam_3726_avg_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: 1184.241+/-341.640 χ^2/NDF: 29.6/35

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

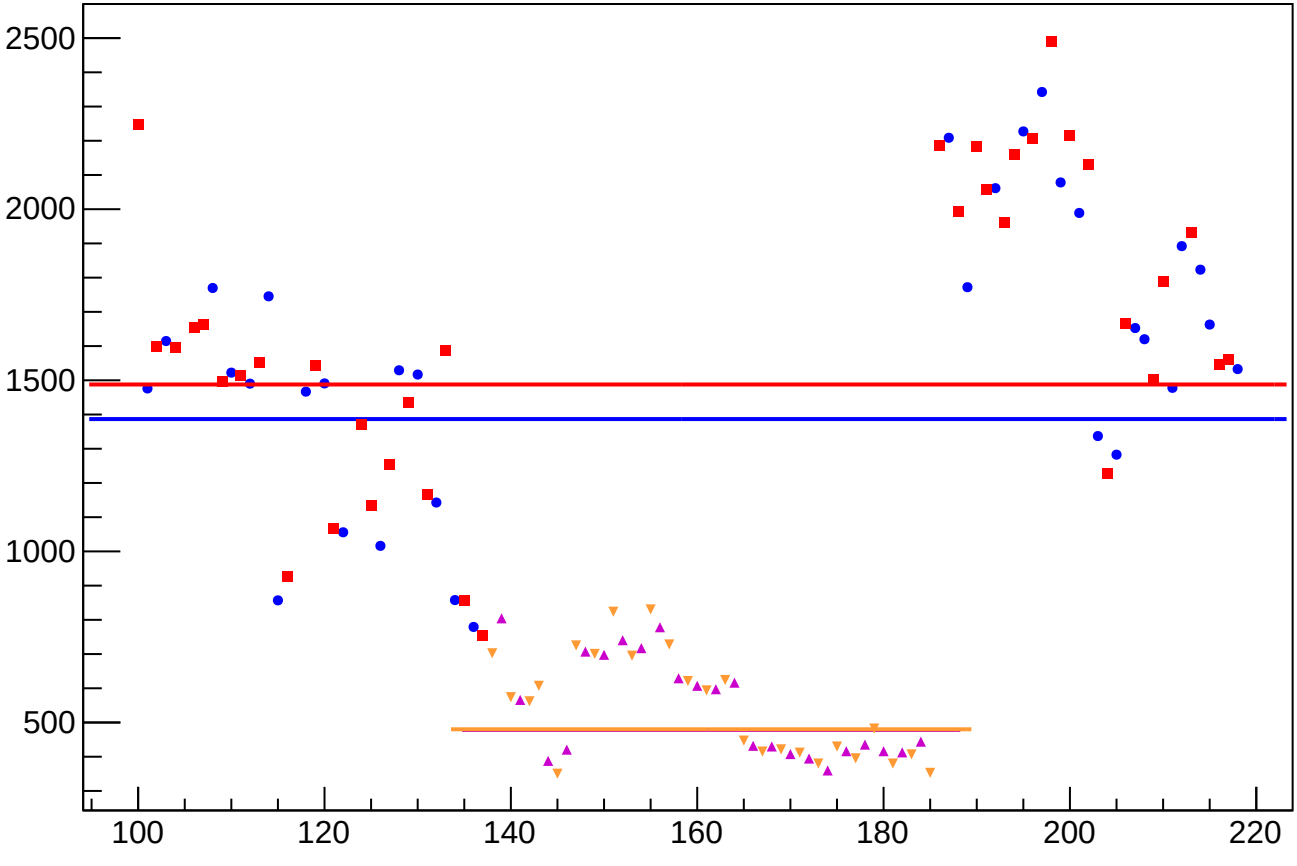
Right: -186.708+/-235.021 χ^2/NDF: 104.0/67

In: -120.983+/-109.008 χ^2/NDF:93.0/54

Out: -248.300+/-107.684 χ^2/NDF:112.3/60

All: -185.419+/-76.608 χ^2/NDF: 206.0/115

asym_sam_3726_avg_cor_correction_rms vs Slug, Sign Corrected



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: 1487.771+/-0.242 χ^2/NDF: 3079342.3/35

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

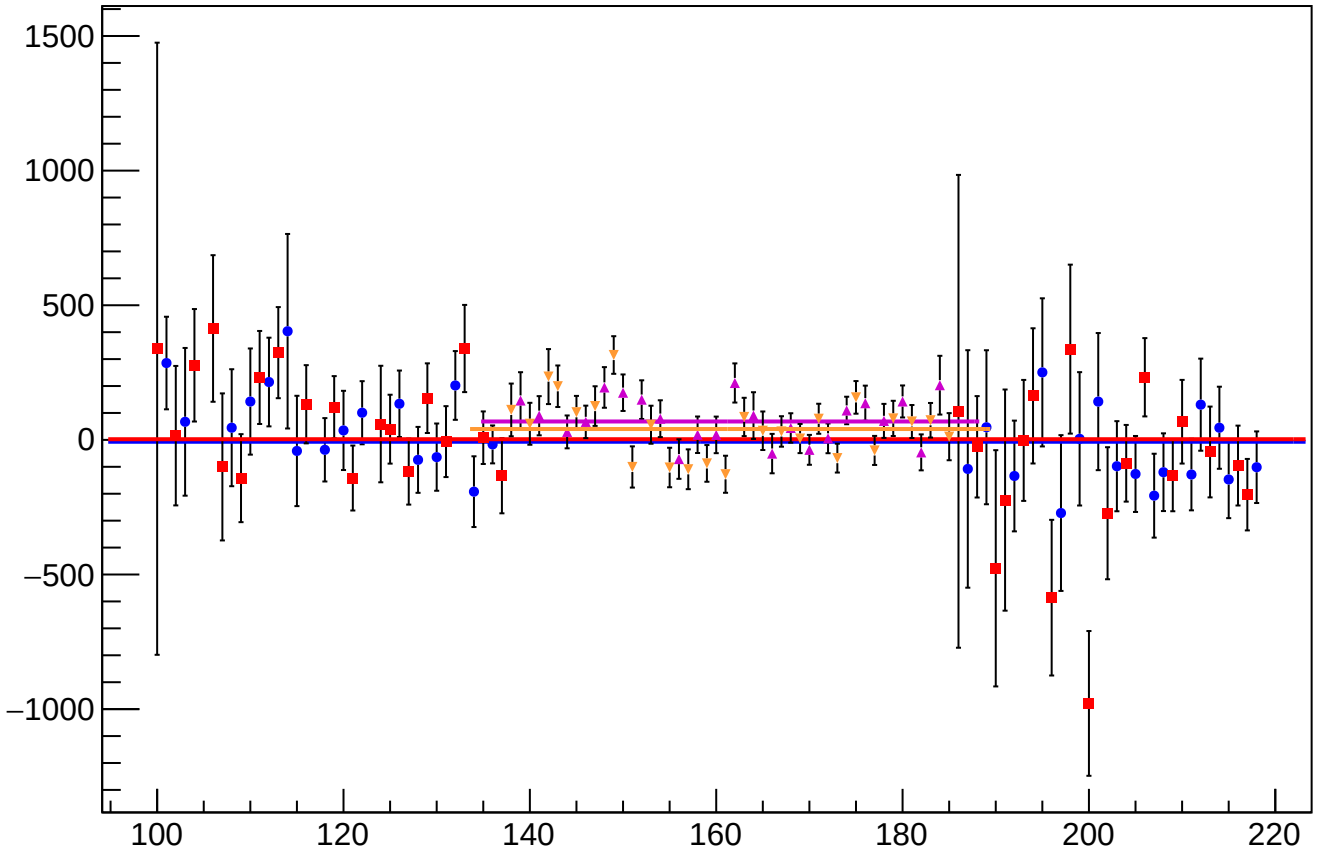
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1434.535+/-0.166 χ^2/NDF: 6526441.8/67

In: 581.054+/-0.077 χ^2/NDF:19533207.9/54

Out: 580.267+/-0.076 χ^2/NDF:21330276.5/60

All: 580.655+/-0.054 χ^2/NDF: 40863537.1/11



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: 2.475+/-27.904 χ^2/NDF: 50.3/35

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

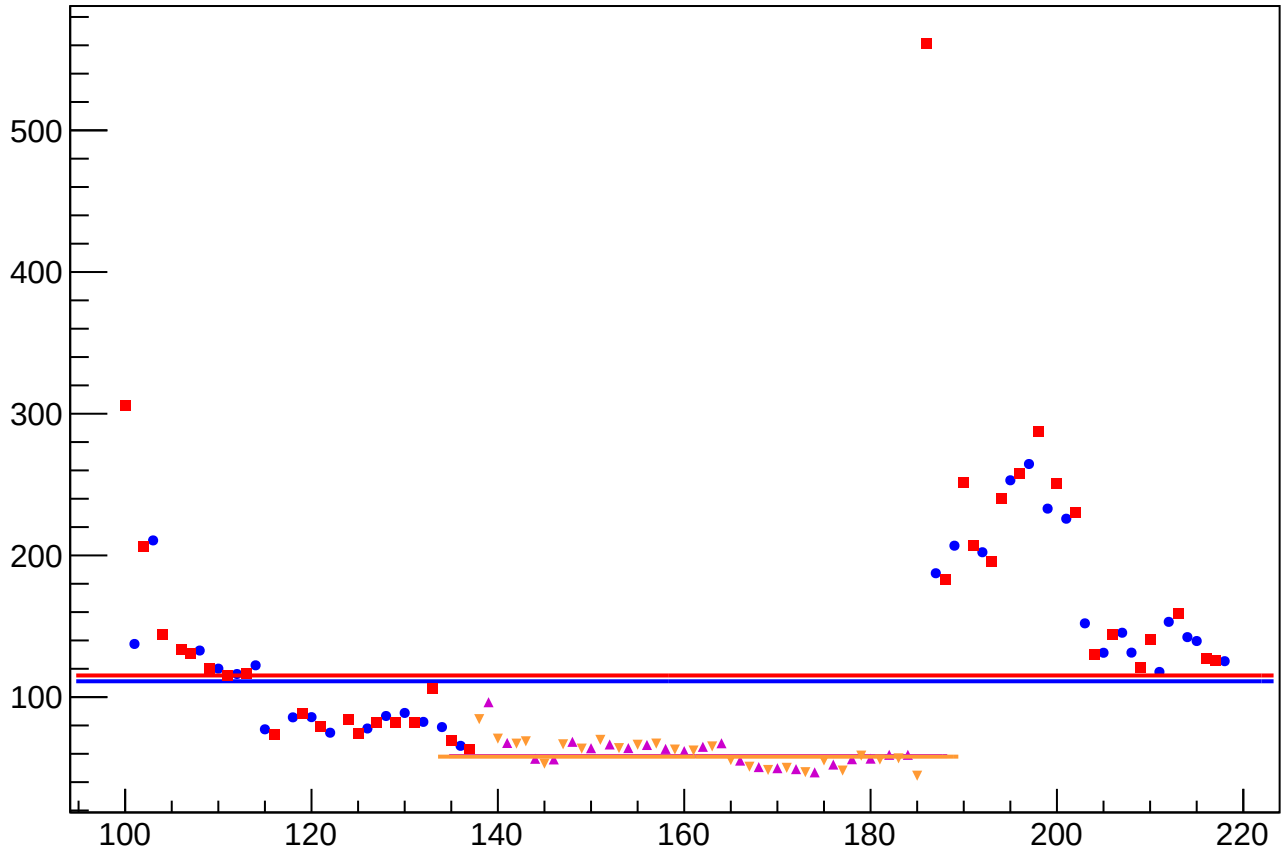
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: -2.409+/-19.363 χ^2/NDF: 73.5/67

In: 52.528+/-12.324 χ^2/NDF:61.0/54

Out: 33.246+/-12.081 χ^2/NDF:111.2/60

All: 42.695+/-8.627 χ^2/NDF: 173.5/115



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: 115.281+/-0.020 χ^2/NDF: 6356990.2/35

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

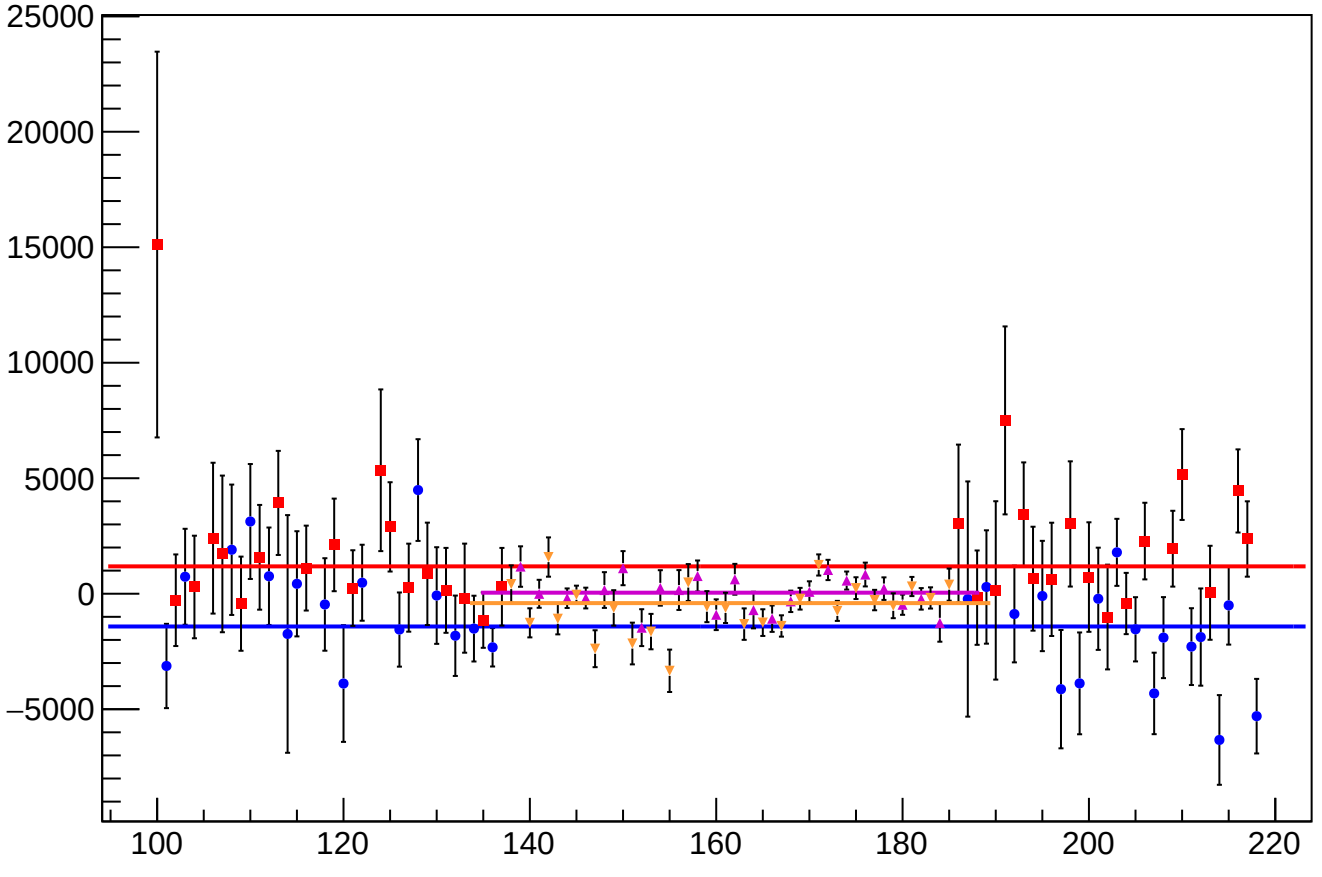
Right: 113.156+/-0.014 χ^2/NDF: 11730940.3/67

In: 69.485+/-0.009 χ^2/NDF:12175254.6/54

Out: 68.733+/-0.009 χ^2/NDF:14013645.5/60

All: 69.101+/-0.006 χ^2/NDF: 26192701.3/115

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: 1184.241+/-341.640 χ^2/NDF: 29.6/35

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

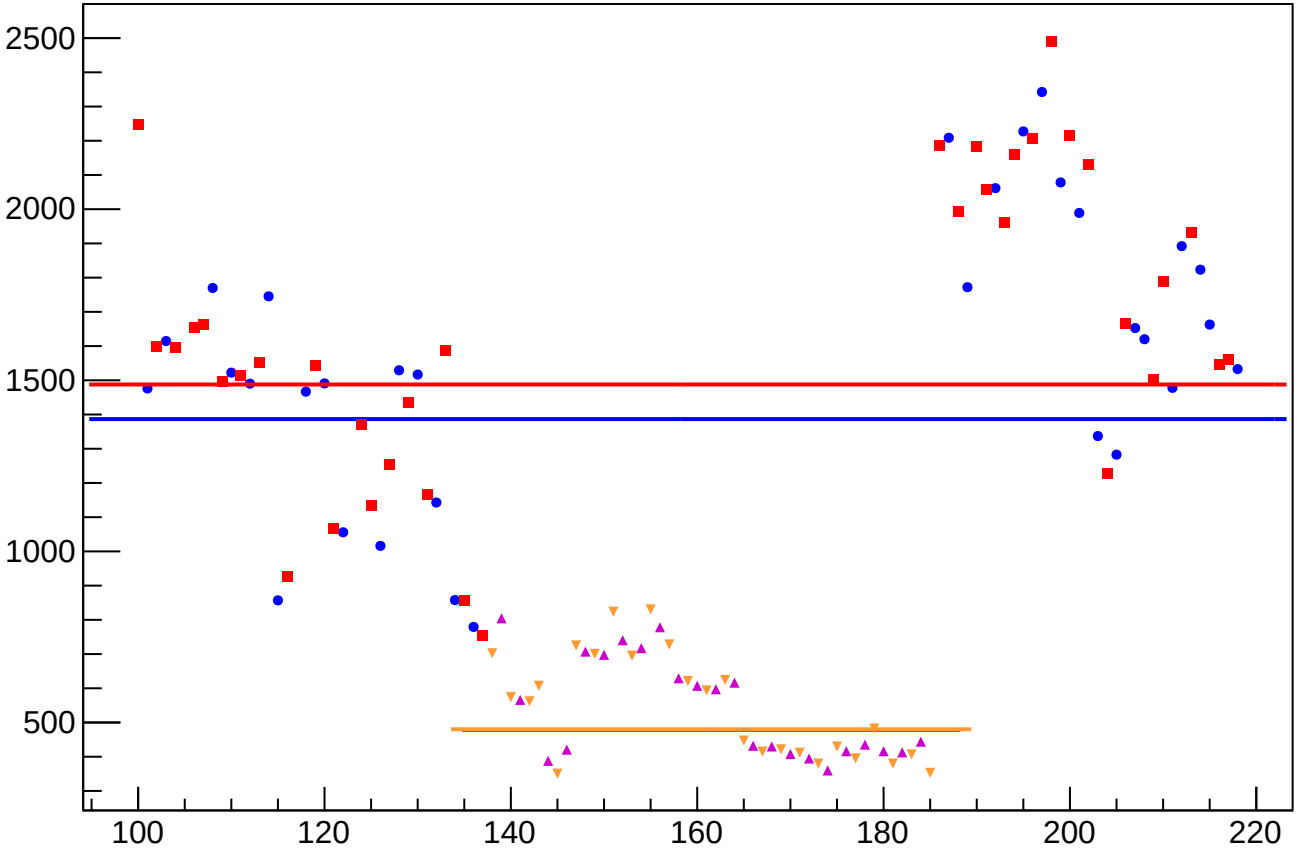
Right: -186.708+/-235.021 χ^2/NDF: 104.0/67

In: -120.983+/-109.008 χ^2/NDF:93.0/54

Out: -248.300+/-107.684 χ^2/NDF:112.3/60

All: -185.419+/-76.608 χ^2/NDF: 206.0/115

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1487.771+/-0.242 χ^2/NDF: 3079342.3/35

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

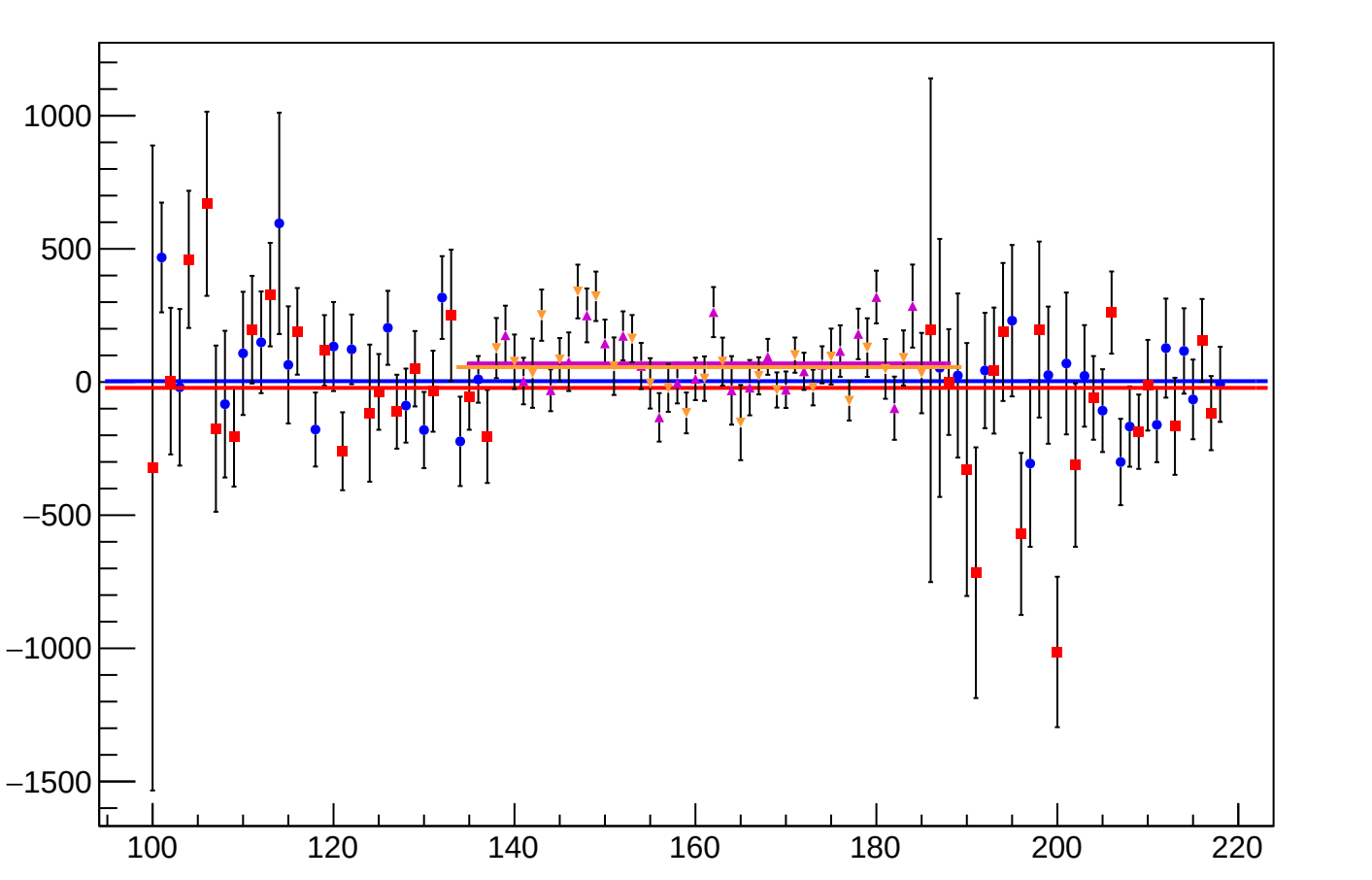
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1434.535+/-0.166 χ^2/NDF: 6526441.8/67

In: 581.054+/-0.077 χ^2/NDF:19533207.9/54

Out: 580.267+/-0.076 χ^2/NDF:21330276.5/60

All: 580.655+/-0.054 χ^2/NDF: 40863537.1/11



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: -22.077+/-31.688 χ^2/NDF: 49.4/35

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

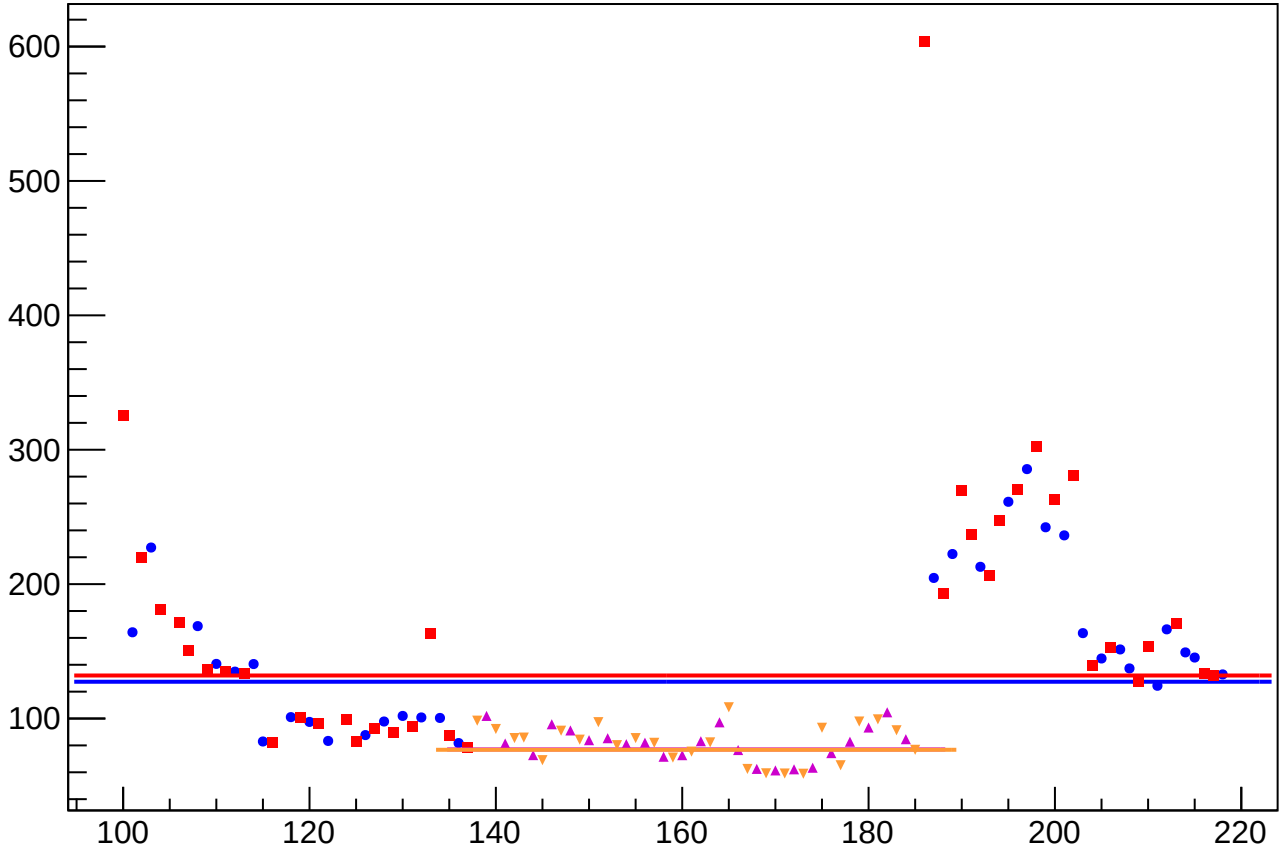
Right: -8.911+/-21.954 χ^2/NDF: 80.6/67

In: 51.888+/-15.808 χ^2/NDF:68.9/54

Out: 36.995+/-15.618 χ^2/NDF:92.3/60

All: 44.351+/-11.110 χ^2/NDF: 161.7/115

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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: 132.020+/-0.022 χ^2/NDF: 5560847.1/35

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

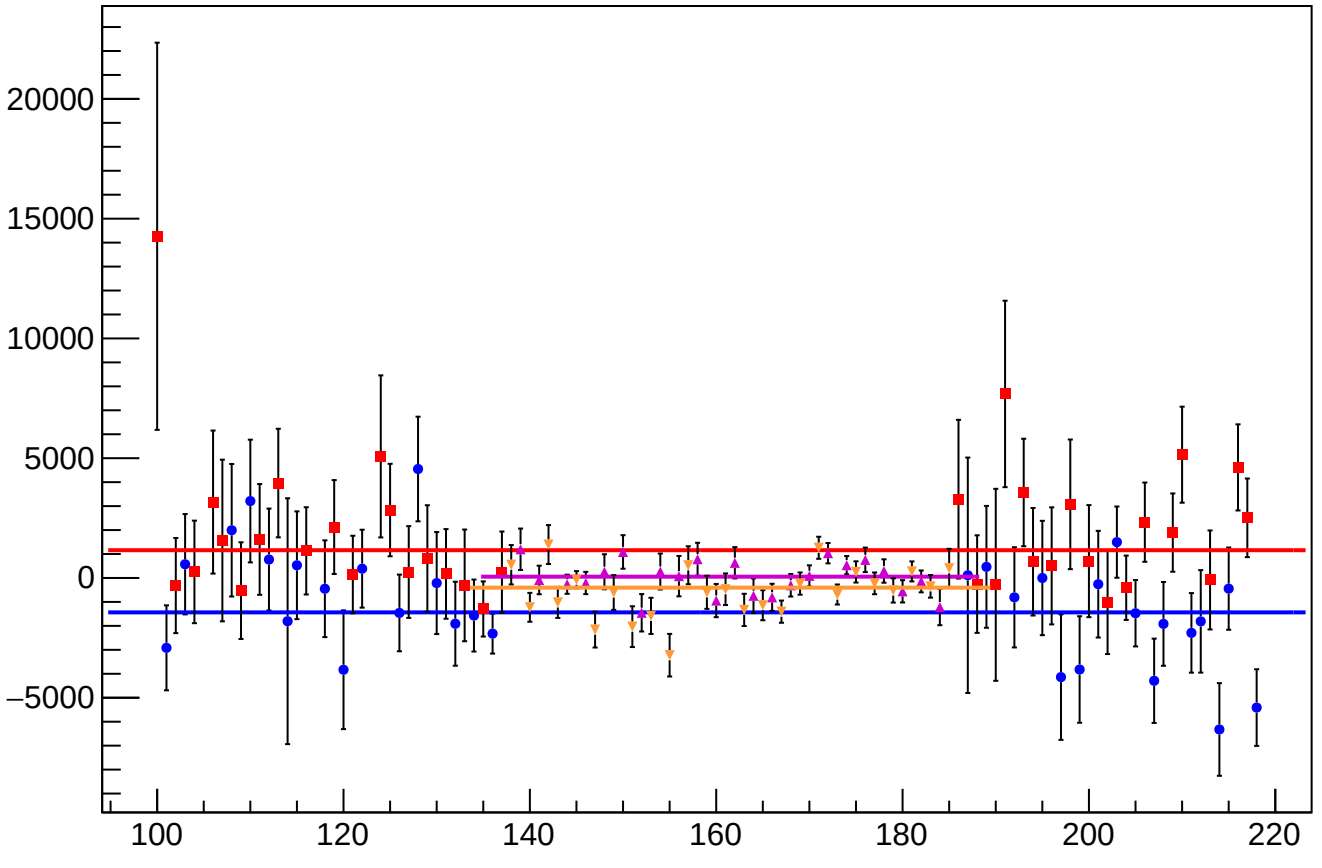
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 129.602+/-0.016 χ^2/NDF: 9896841.6/67

In: 90.593+/-0.011 χ^2/NDF:9168357.3/54

Out: 90.171+/-0.011 χ^2/NDF:11402993.7/60

All: 90.380+/-0.008 χ^2/NDF: 20572072.7/115



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: 1159.046+/-339.483 χ^2/NDF: 32.0/35

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

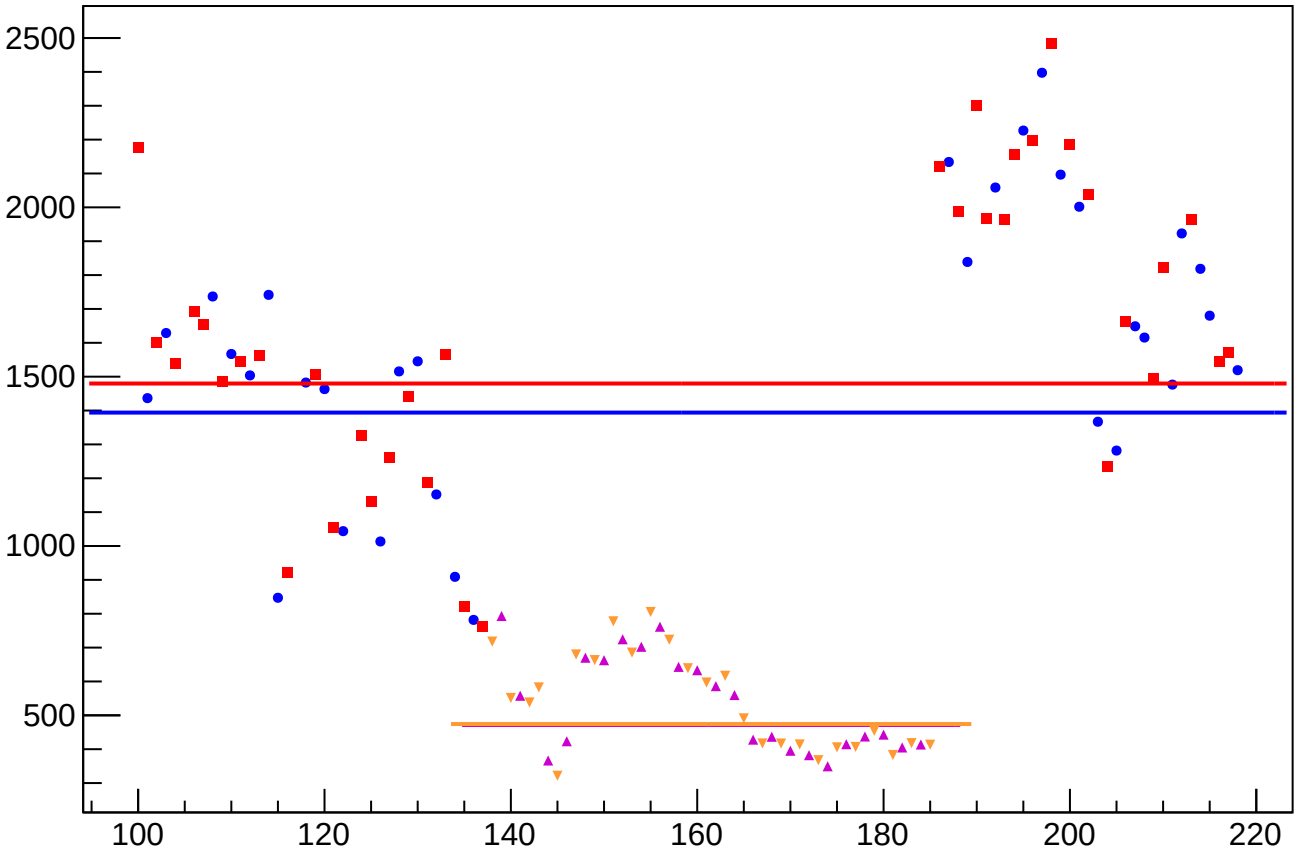
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -194.076+/-234.859 χ^2/NDF: 105.6/67

In: -109.430+/-107.771 χ^2/NDF:92.5/54

Out: -250.569+/-106.167 χ^2/NDF:111.9/60

All: -181.058+/-75.632 χ^2/NDF: 205.2/115



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: 1479.773+/-0.240 χ^2/NDF: 3149289.1/35

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

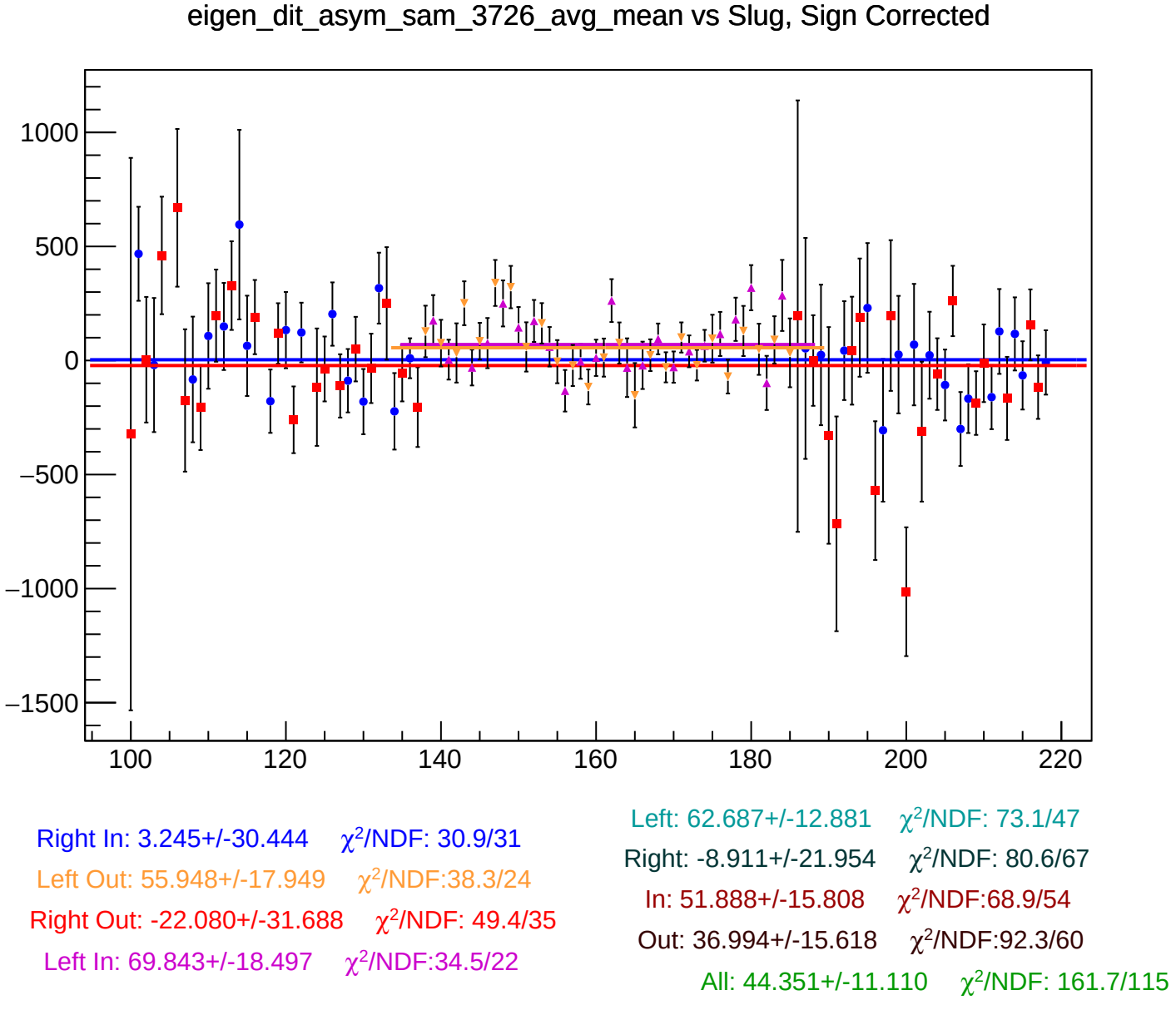
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

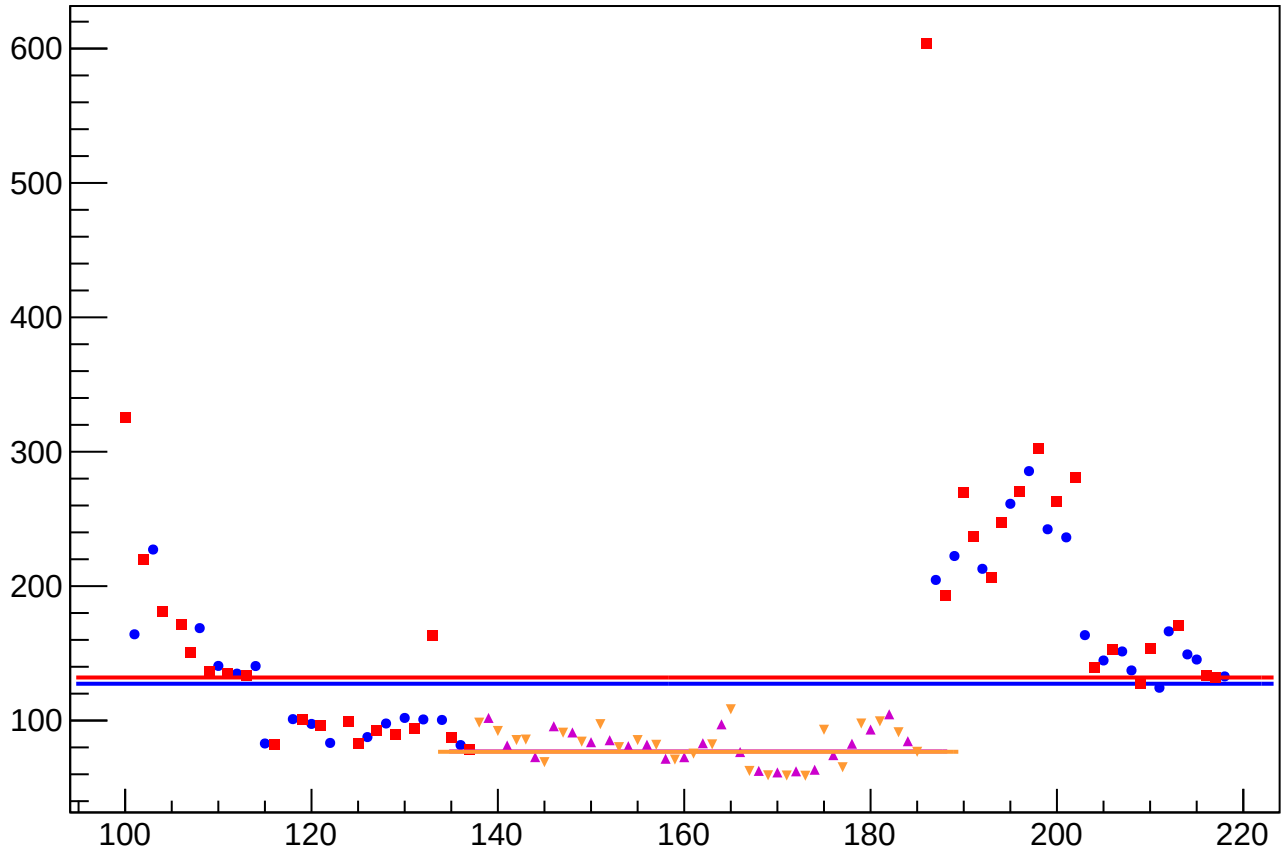
Right: 1435.031+/-0.166 χ^2/NDF: 6542341.3/67

In: 572.735+/-0.076 χ^2/NDF:19857964.7/54

Out: 572.631+/-0.075 χ^2/NDF:21516911.3/60

All: 572.682+/-0.053 χ^2/NDF: 41374877.0/11


eigen_dit_asym_sam_3726_avg_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: 3.245+/-30.444 χ²/NDF: 30.9/31
Left Out: 55.948+/-17.949 χ²/NDF:38.3/24
Right Out: -22.080+/-31.688 χ²/NDF: 49.4/35
Left In: 69.843+/-18.497 χ²/NDF:34.5/22
Left: 62.687+/-12.881 χ²/NDF: 73.1/47
Right: -8.911+/-21.954 χ²/NDF: 80.6/67
In: 51.888+/-15.808 χ²/NDF:68.9/54
Out: 36.994+/-15.618 χ²/NDF:92.3/60
All: 44.351+/-11.110 χ²/NDF: 161.7/115



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: 132.020+/-0.022 χ^2/NDF: 5560857.9/35

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

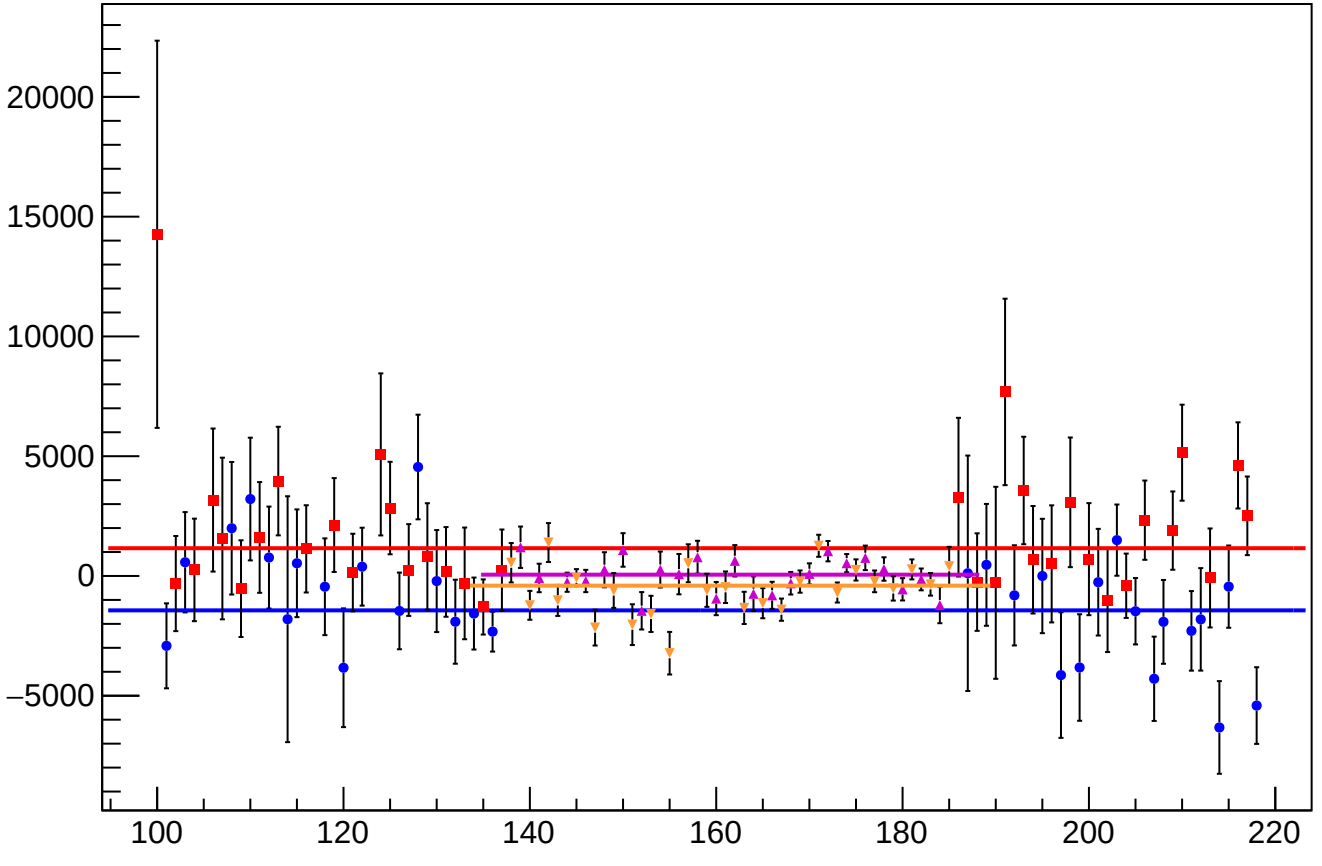
Right: 129.602+/-0.016 χ^2/NDF: 9896866.5/67

In: 90.593+/-0.011 χ^2/NDF:9168286.1/54

Out: 90.171+/-0.011 χ^2/NDF:11402939.0/60

All: 90.380+/-0.008 χ^2/NDF: 20571946.7/115

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: 1159.045+/-339.482 χ^2/NDF: 32.0/35

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

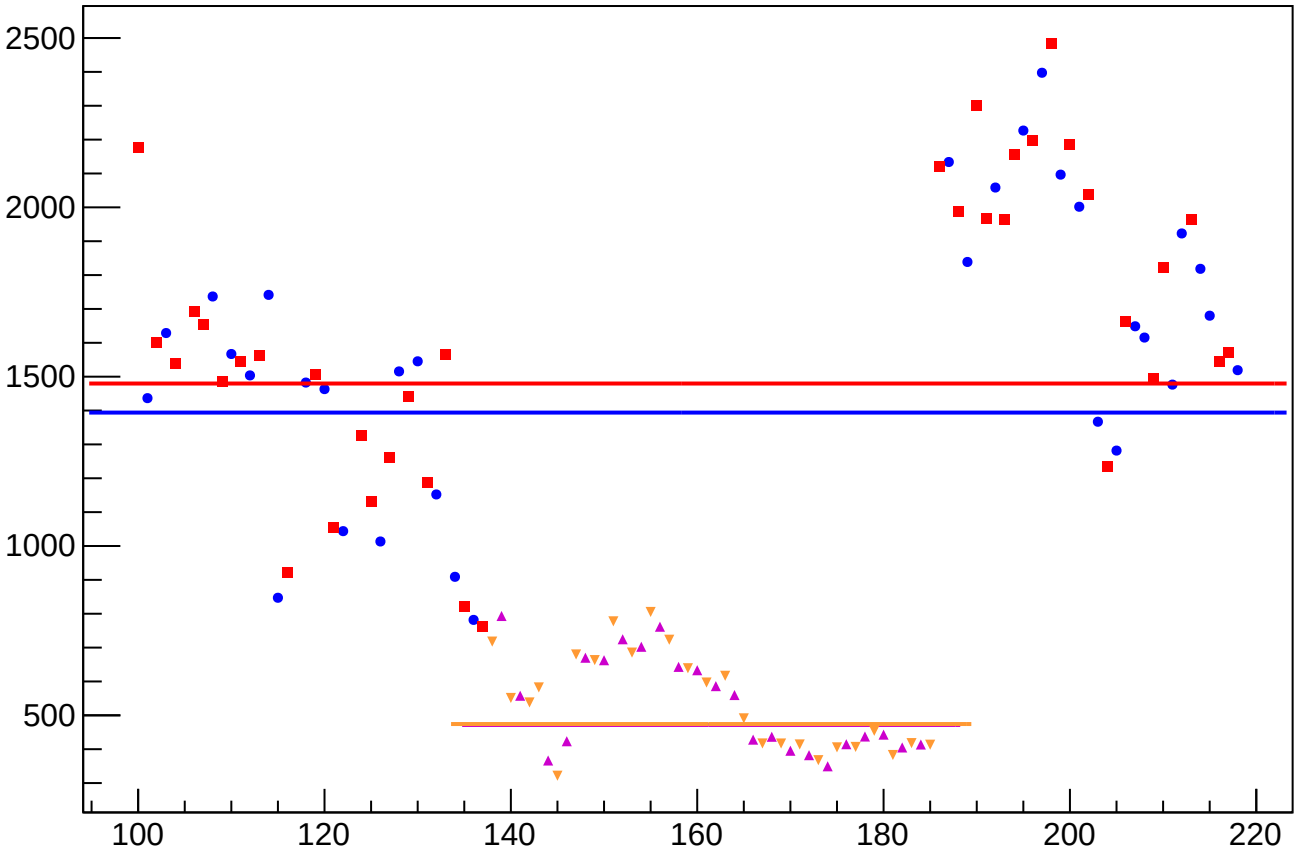
Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

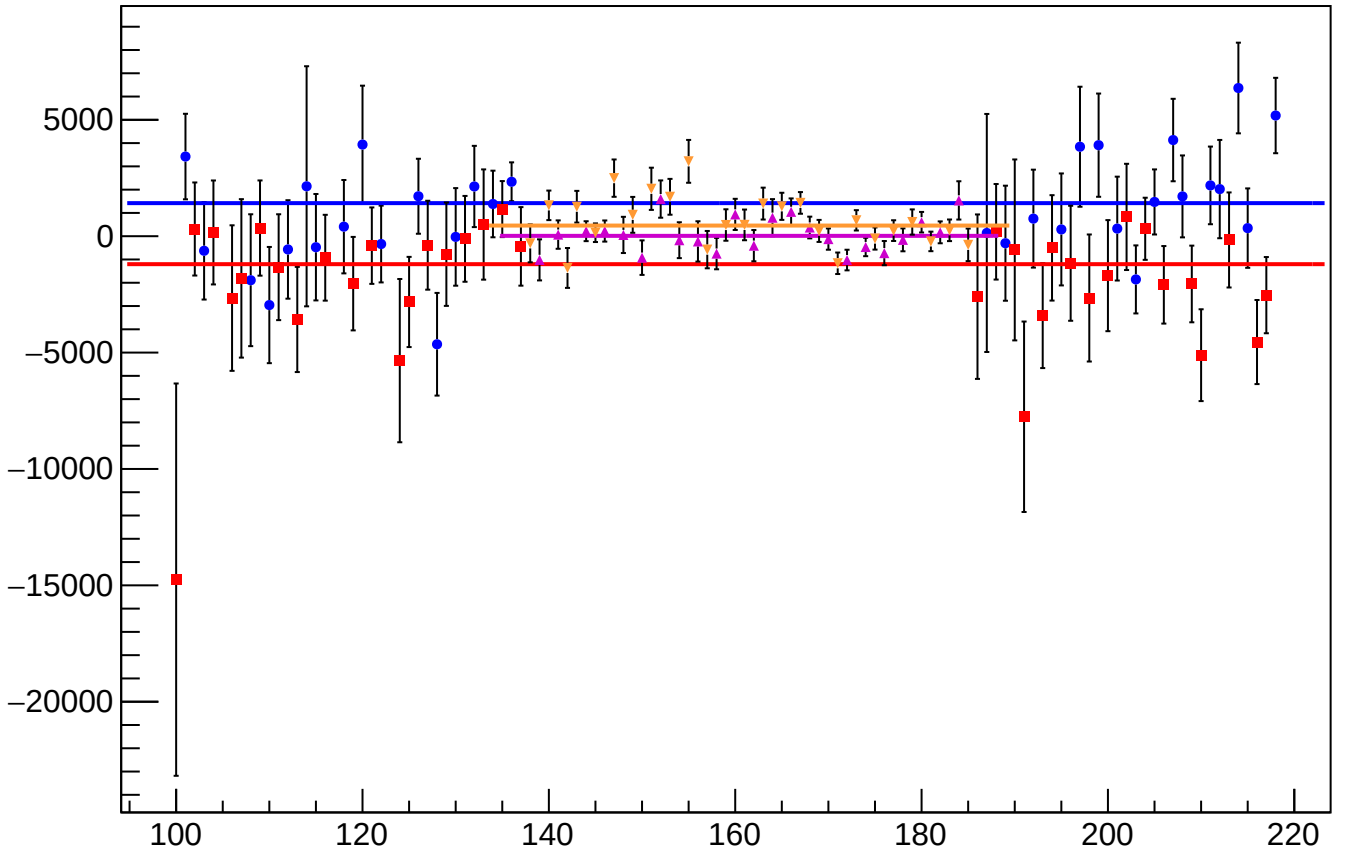
Right: -194.075+/-234.859 χ^2/NDF: 105.6/67

In: -109.430+/-107.771 χ^2/NDF:92.5/54

Out: -250.569+/-106.167 χ^2/NDF:111.9/60

All: -181.058+/-75.632 χ^2/NDF: 205.2/115


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: 1479.772+/-0.240 χ²/NDF: 3149285.7/35
Left In: 471.456+/-0.081 χ²/NDF:2209338.4/22
Left: 472.905+/-0.056 χ²/NDF: 4748968.3/47
Right: 1435.029+/-0.166 χ²/NDF: 6542329.9/67
In: 572.735+/-0.076 χ²/NDF:19857950.2/54
Out: 572.630+/-0.075 χ²/NDF:21516910.6/60
All: 572.682+/-0.053 χ²/NDF: 41374861.7/11



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: -1201.431+/-342.953 χ^2/NDF: 28.7/35

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

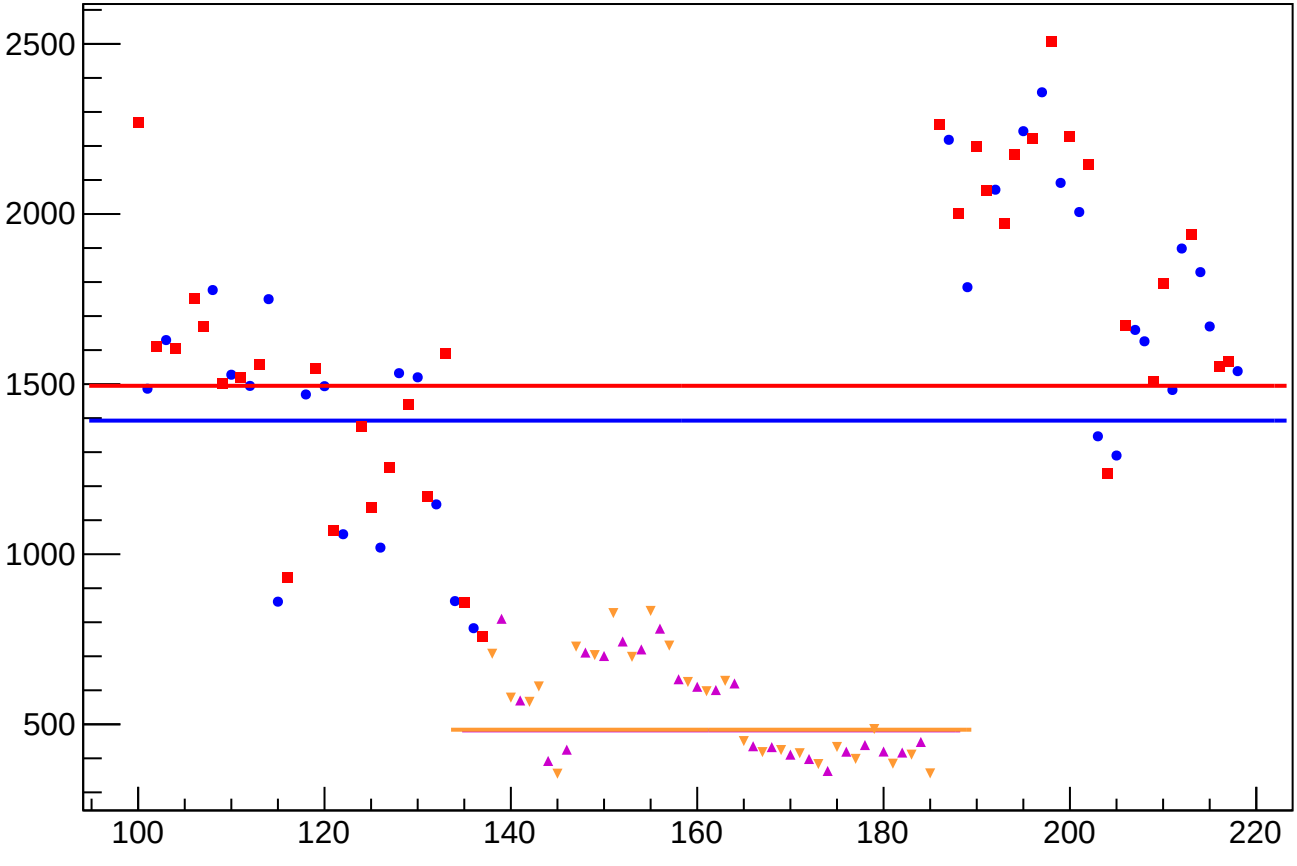
Right: 179.108+/-235.998 χ^2/NDF: 102.6/67

In: 175.420+/-109.844 χ^2/NDF:90.0/54

Out: 291.327+/-108.480 χ^2/NDF:109.1/60

All: 234.097+/-77.185 χ^2/NDF: 199.7/115

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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: 1495.036+/-0.243 χ^2/NDF: 3116476.1/35

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

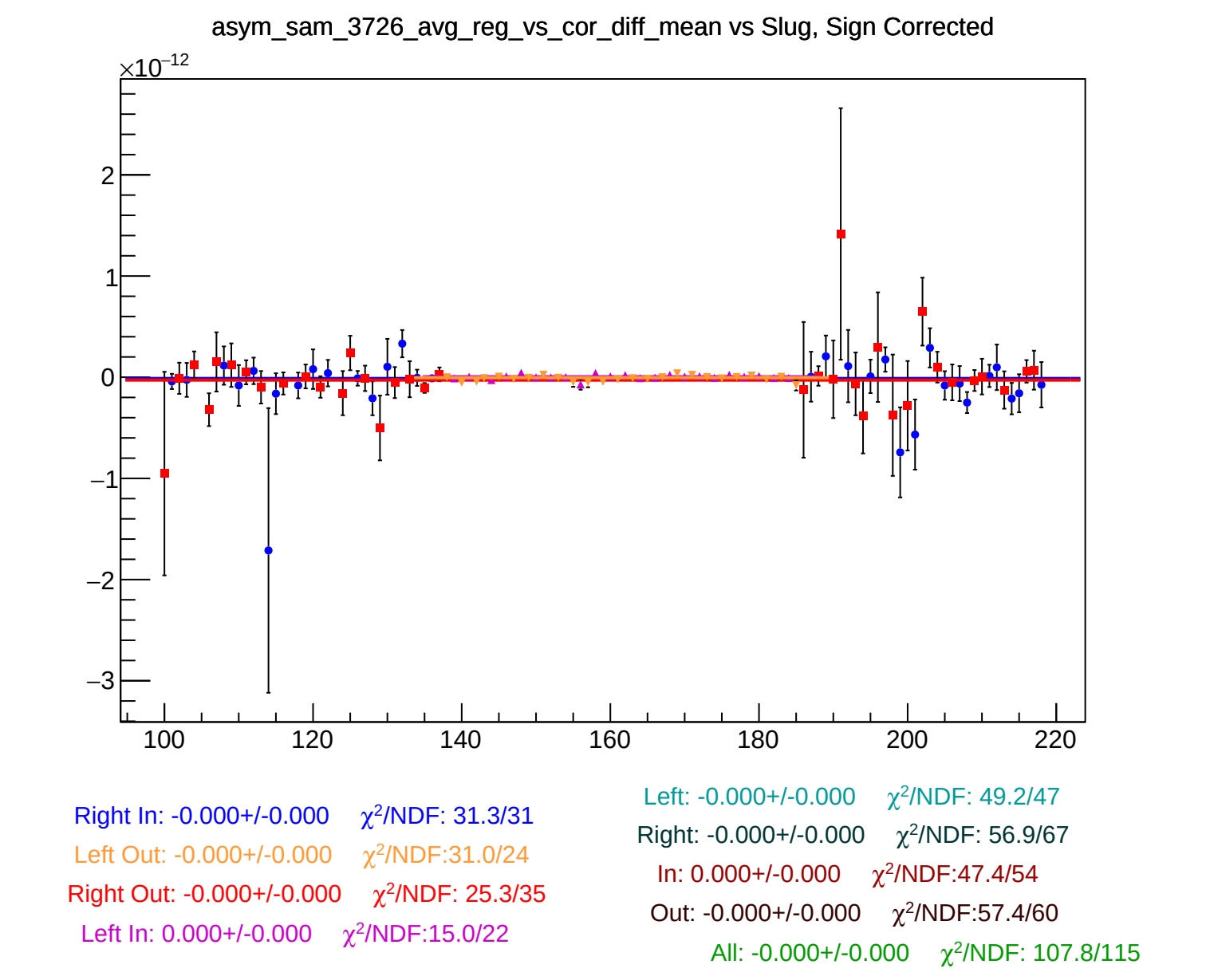
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

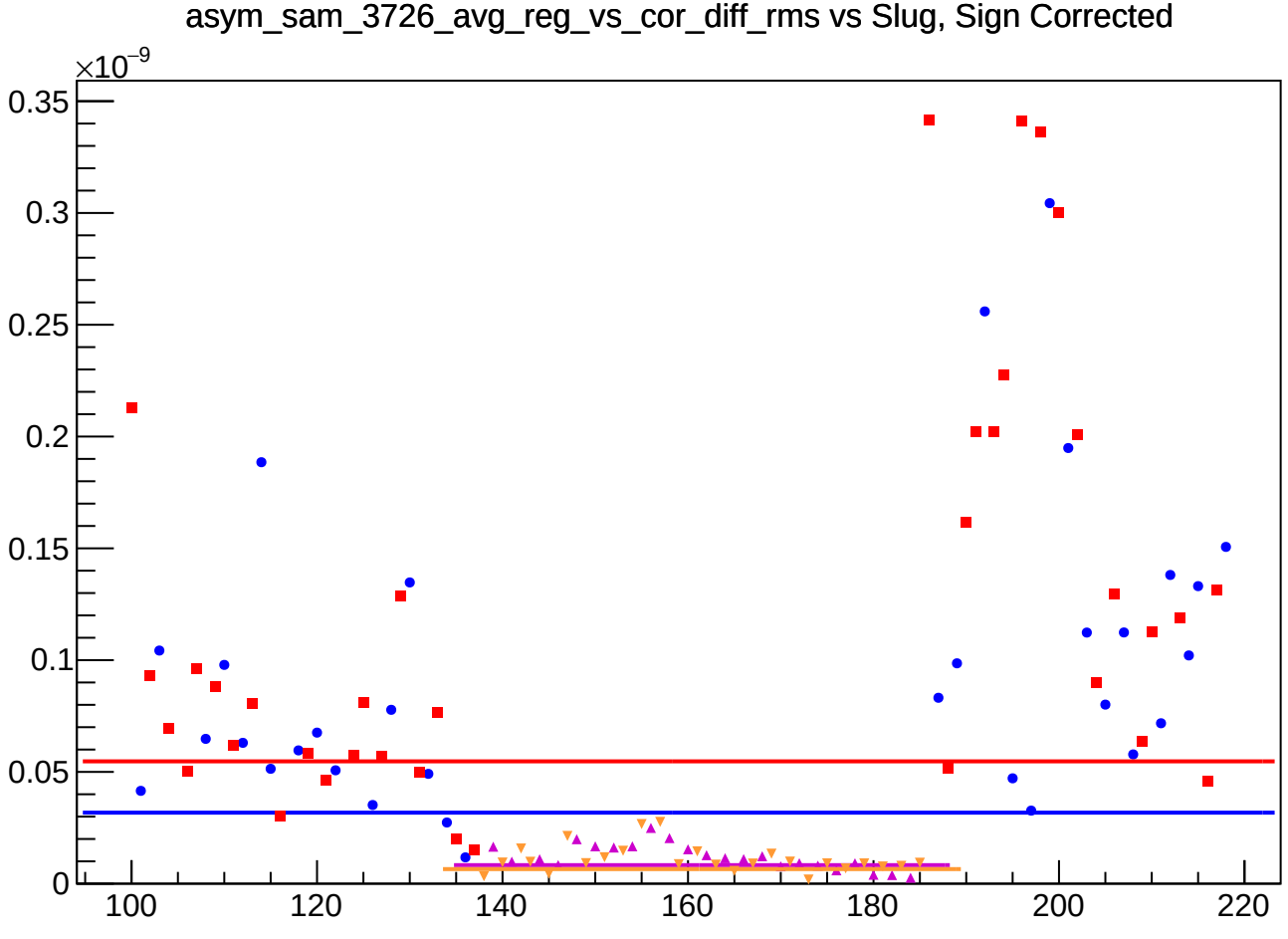
Right: 1441.171+/-0.167 χ^2/NDF: 6573903.2/67

In: 586.013+/-0.078 χ^2/NDF:19437529.8/54

Out: 585.272+/-0.077 χ^2/NDF:21303659.0/60

All: 585.638+/-0.055 χ^2/NDF: 40741234.9/1


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: 25.3/35
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: 56.9/67
In: 0.000+/-0.000 χ²/NDF:47.4/54
Out: -0.000+/-0.000 χ²/NDF:57.4/60
All: -0.000+/-0.000 χ²/NDF: 107.8/115



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: 7035068.4/35

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

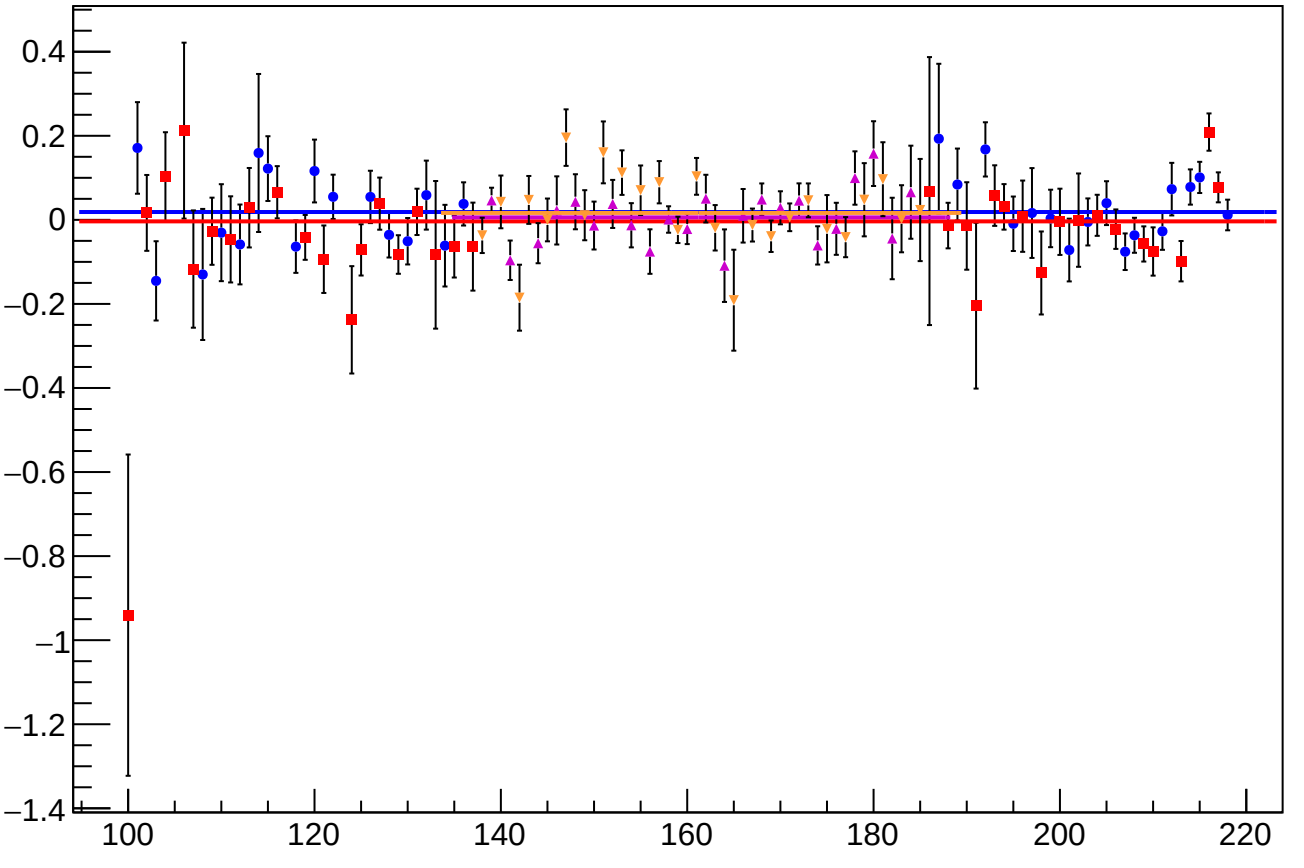
Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

Right: 0.000+/-0.000 χ^2/NDF: 17467128.8/67

In: 0.000+/-0.000 χ^2/NDF:15961456.7/54

Out: 0.000+/-0.000 χ^2/NDF:19240733.8/60

All: 0.000+/-0.000 χ^2/NDF: 35588512.2/115



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: -0.004+/-0.011 χ^2/NDF: 60.8/35

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

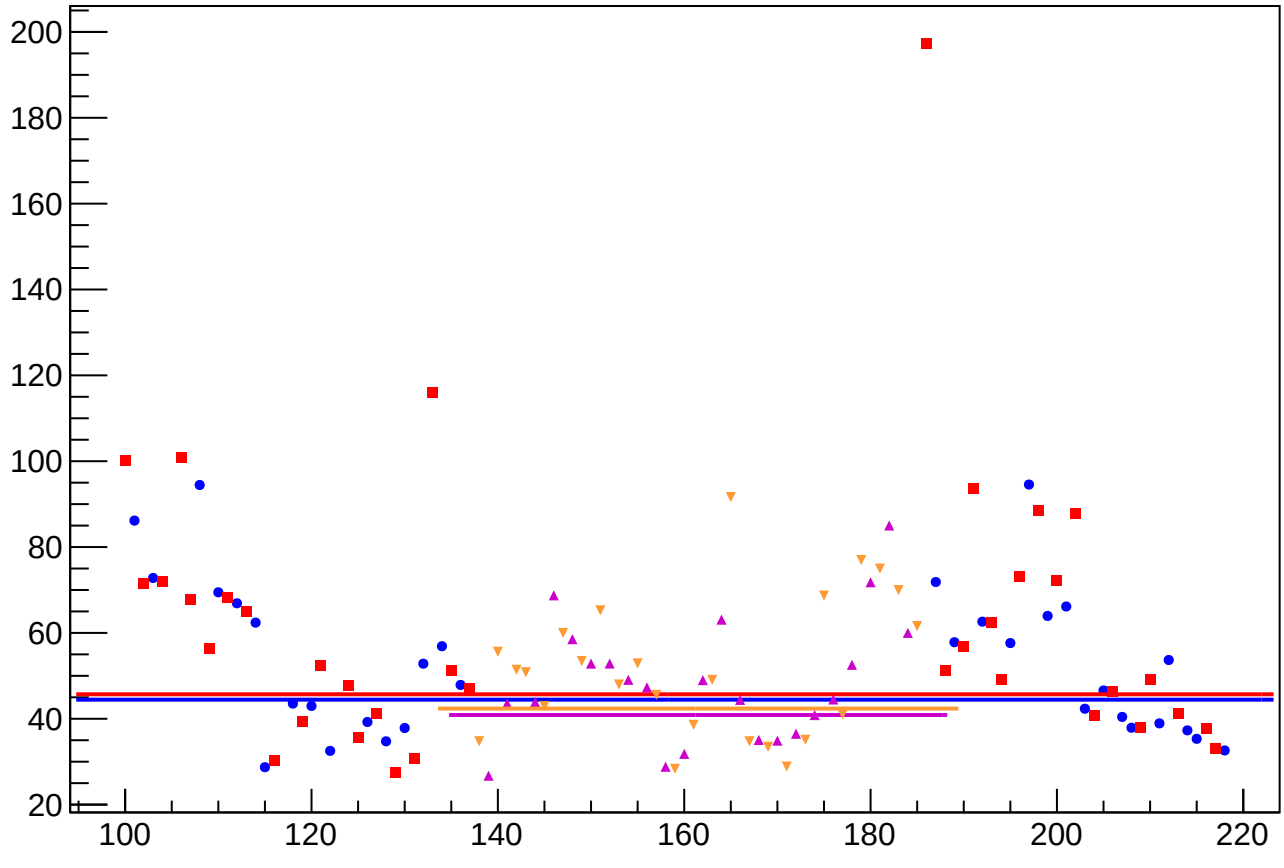
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: 0.008+/-0.008 χ^2/NDF: 104.1/67

In: 0.012+/-0.007 χ^2/NDF:67.9/54

Out: 0.007+/-0.008 χ^2/NDF:103.6/60

All: 0.010+/-0.005 χ^2/NDF: 171.8/115



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: 45.697+/-0.008 χ^2/NDF: 4015321.5/35

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

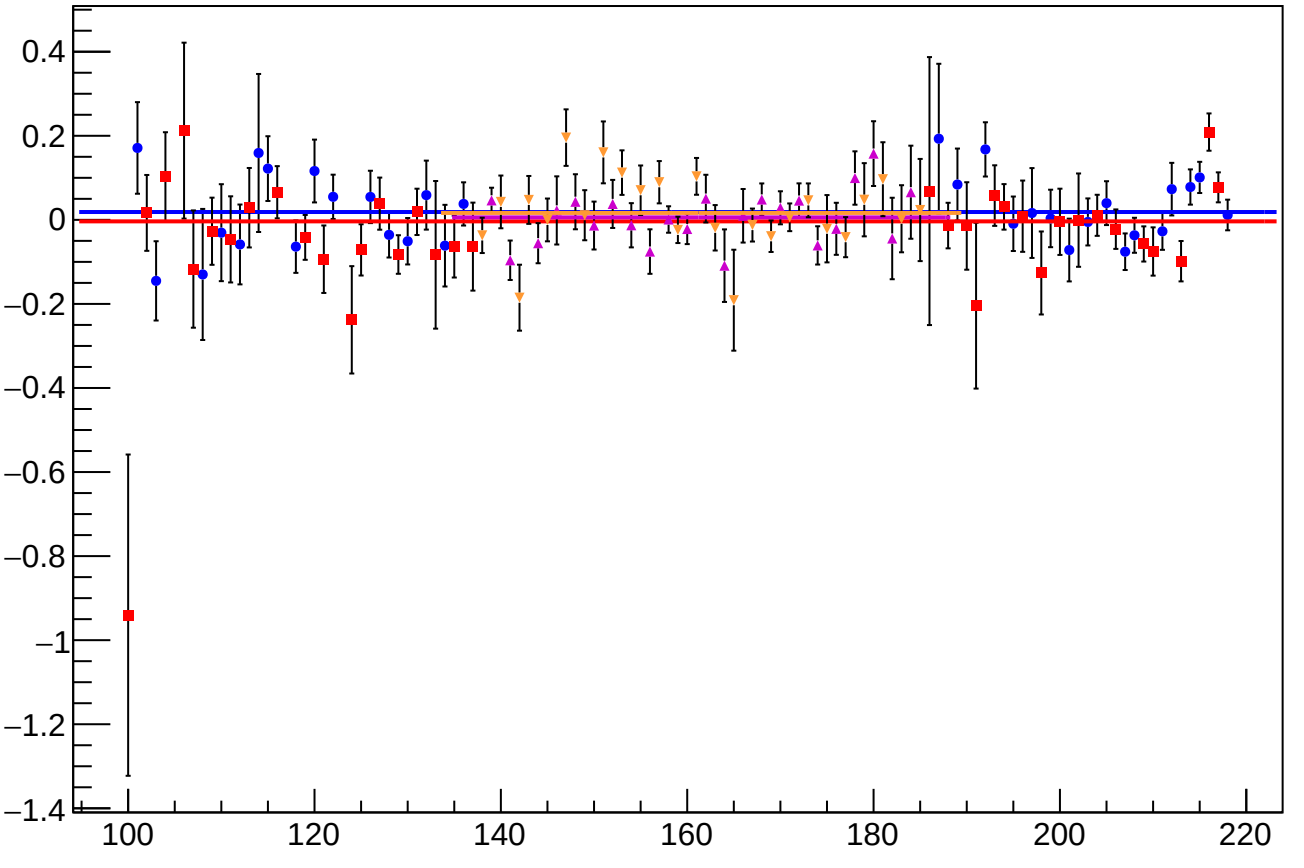
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 45.050+/-0.005 χ^2/NDF: 6935574.0/67

In: 42.592+/-0.005 χ^2/NDF:5700955.0/54

Out: 43.917+/-0.005 χ^2/NDF:7301993.6/60

All: 43.240+/-0.004 χ^2/NDF: 13034204.2/115



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: -0.004+/-0.011 χ^2/NDF: 60.8/35

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

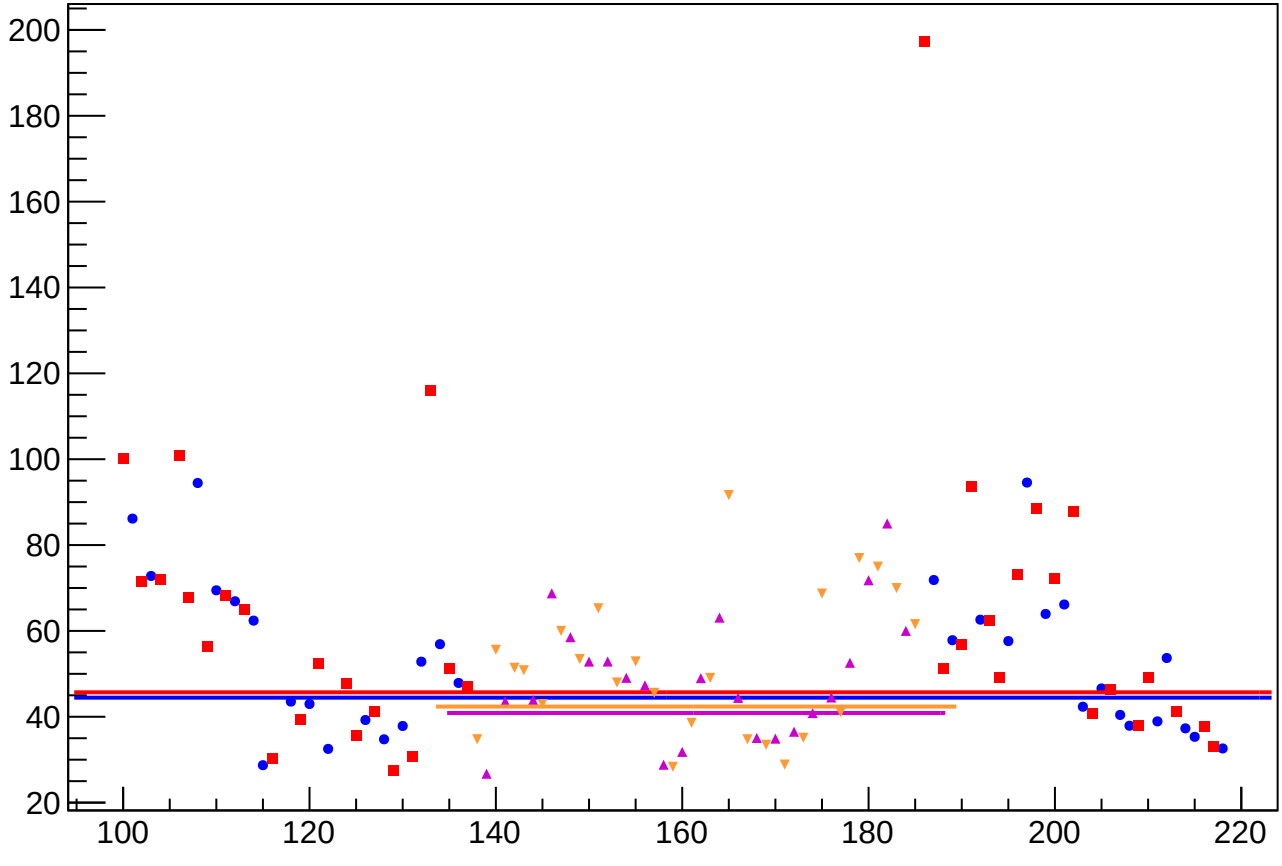
Right: 0.008+/-0.008 χ^2/NDF: 104.1/67

In: 0.012+/-0.007 χ^2/NDF:67.9/54

Out: 0.007+/-0.008 χ^2/NDF:103.6/60

All: 0.010+/-0.005 χ^2/NDF: 171.8/115

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: 45.697+/-0.008 χ^2/NDF: 4015321.5/35

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

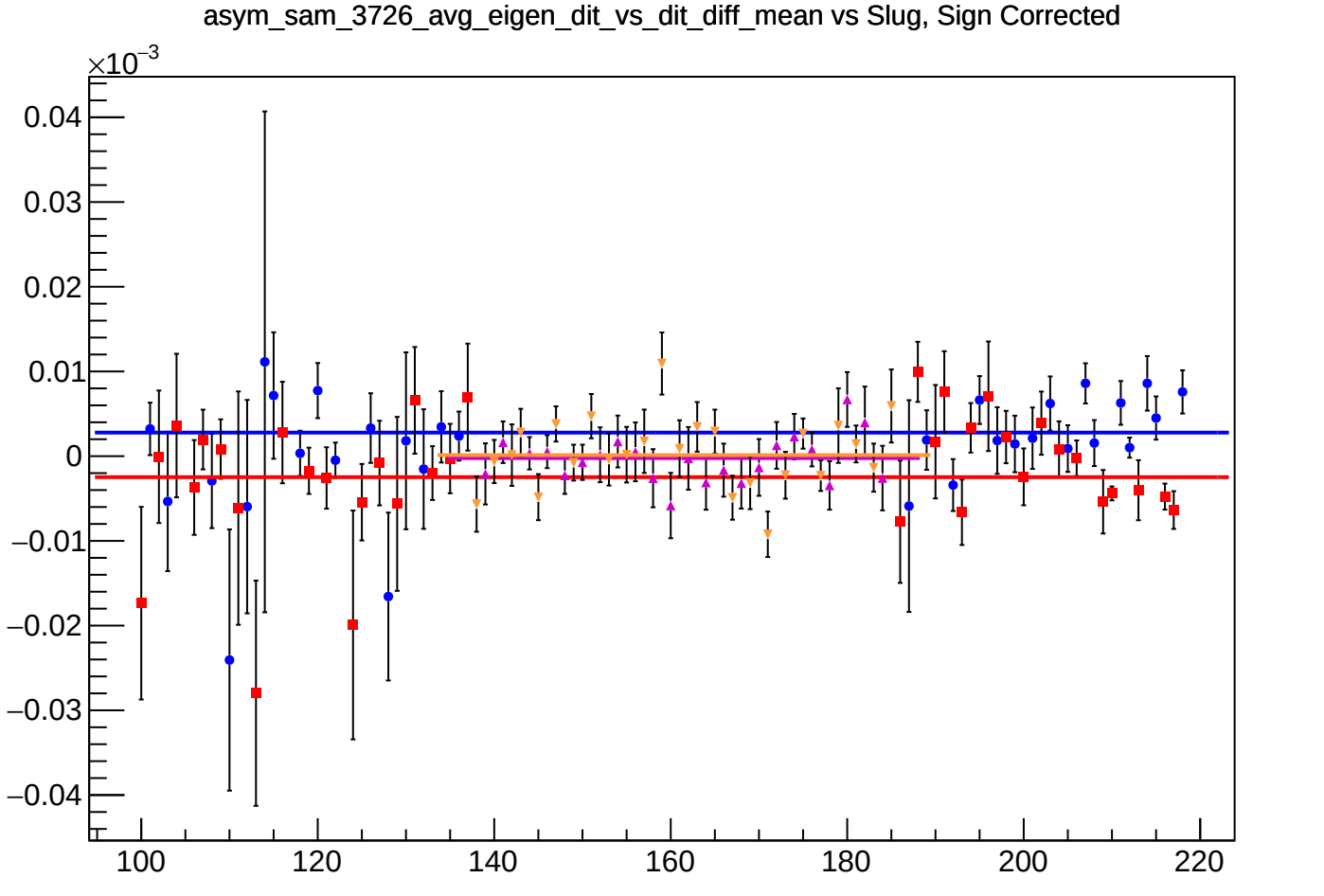
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 45.050+/-0.005 χ^2/NDF: 6935574.0/67

In: 42.592+/-0.005 χ^2/NDF:5700955.0/54

Out: 43.917+/-0.005 χ^2/NDF:7301993.6/60

All: 43.240+/-0.004 χ^2/NDF: 13034204.2/115



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: 60.3/35

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

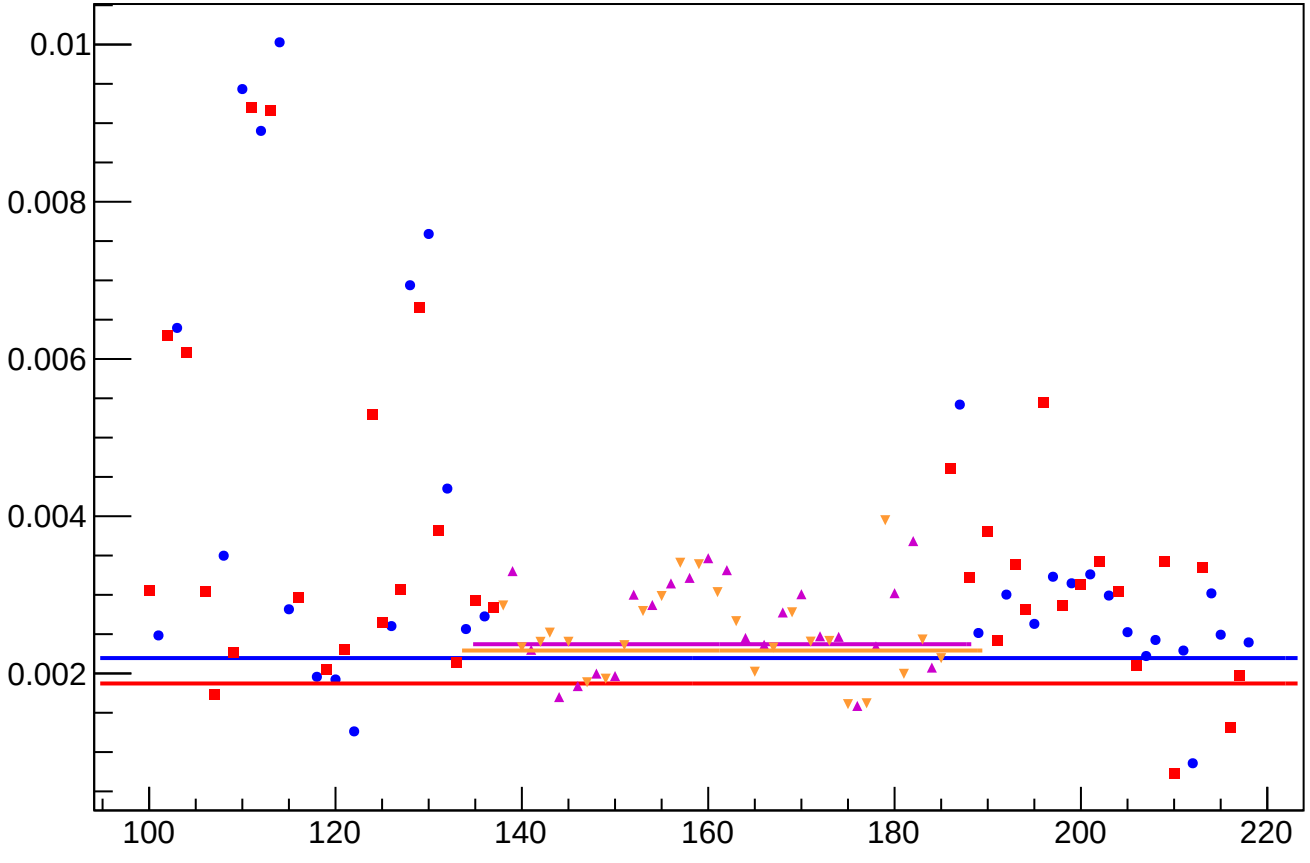
Right: -0.000+/-0.000 χ^2/NDF: 151.9/67

In: 0.000+/-0.000 χ^2/NDF:71.8/54

Out: -0.000+/-0.000 χ^2/NDF:122.8/60

All: -0.000+/-0.000 χ^2/NDF: 217.9/115

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: 11543474.0/35

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

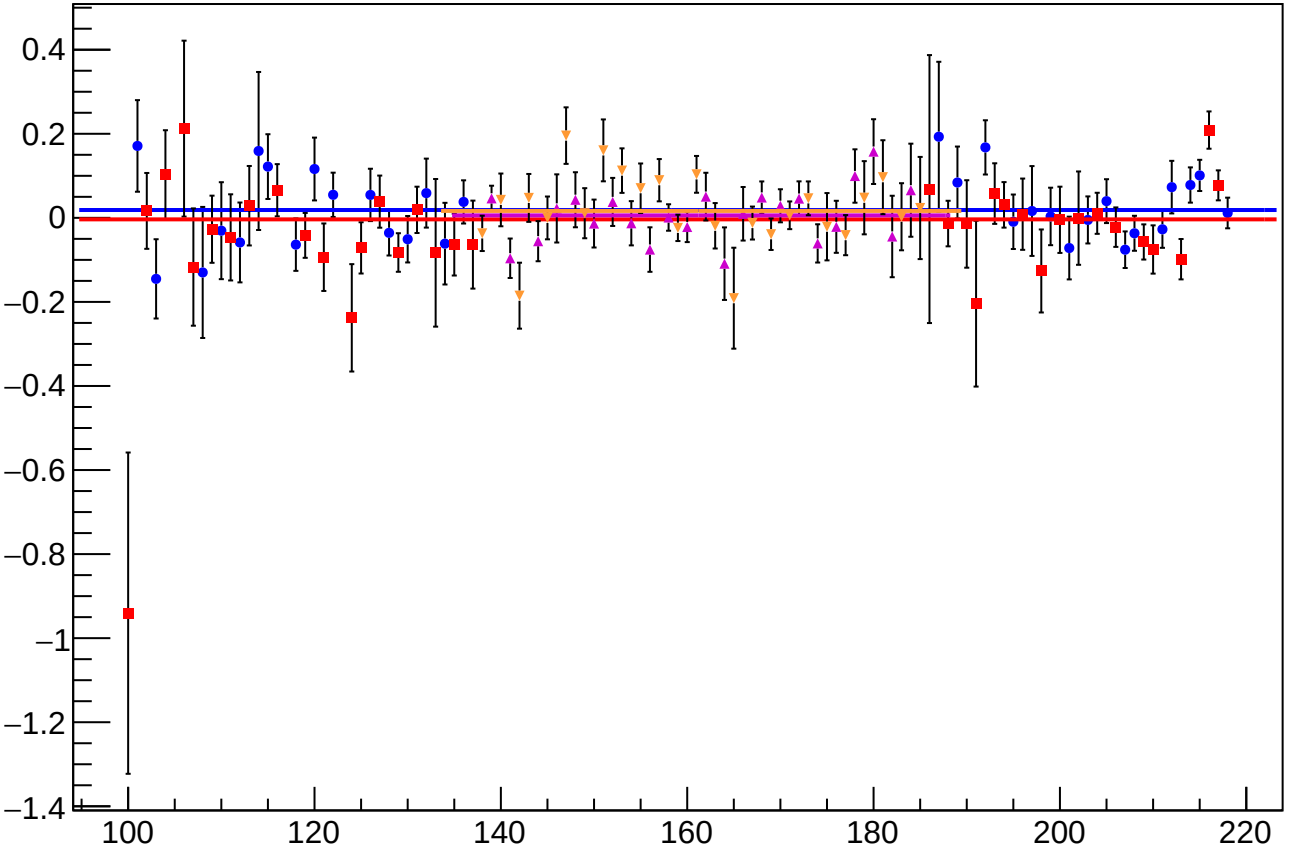
Right: 0.002+/-0.000 χ^2/NDF: 19134665.3/67

In: 0.002+/-0.000 χ^2/NDF:9331863.6/54

Out: 0.002+/-0.000 χ^2/NDF:14016729.2/60

All: 0.002+/-0.000 χ^2/NDF: 23658463.9/115

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: -0.004+/-0.011 χ^2/NDF: 60.8/35

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

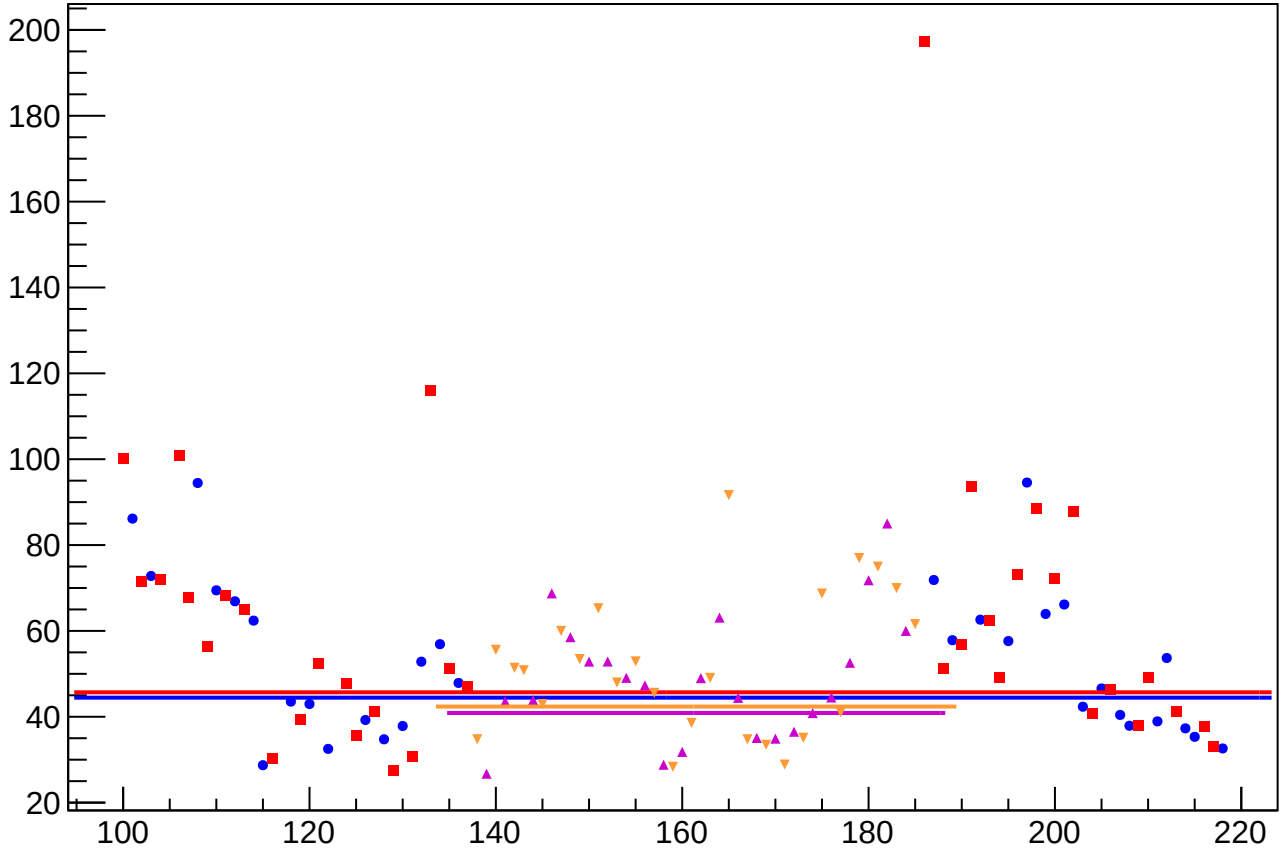
Right: 0.008+/-0.008 χ^2/NDF: 104.1/67

In: 0.012+/-0.007 χ^2/NDF:67.9/54

Out: 0.007+/-0.008 χ^2/NDF:103.7/60

All: 0.010+/-0.005 χ^2/NDF: 171.8/115

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: 45.697+/-0.008 χ^2/NDF: 4015289.8/35

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

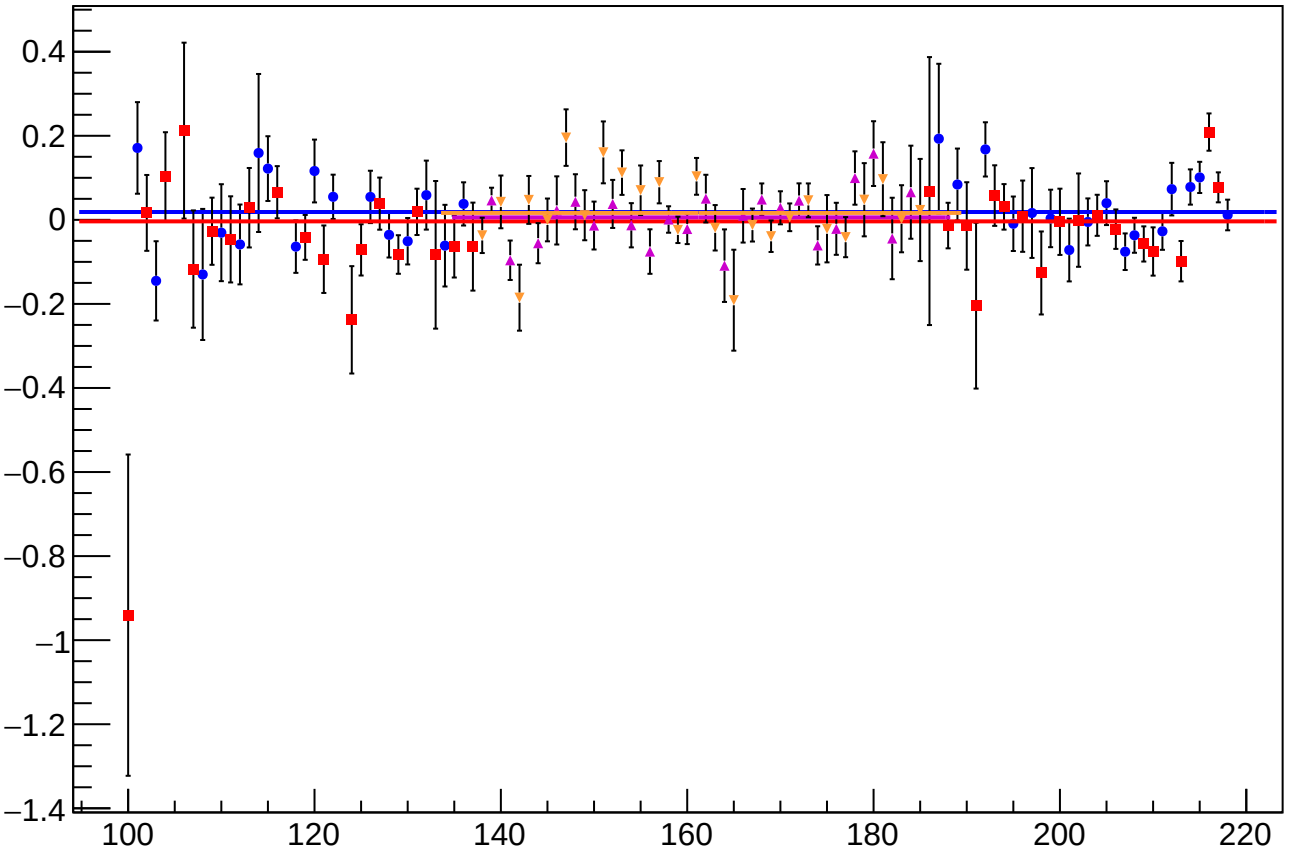
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 45.050+/-0.005 χ^2/NDF: 6935502.7/67

In: 42.592+/-0.005 χ^2/NDF:5700908.8/54

Out: 43.917+/-0.005 χ^2/NDF:7301967.8/60

All: 43.240+/-0.004 χ^2/NDF: 13034129.8/115



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: -0.004+/-0.011 χ^2/NDF: 60.8/35

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

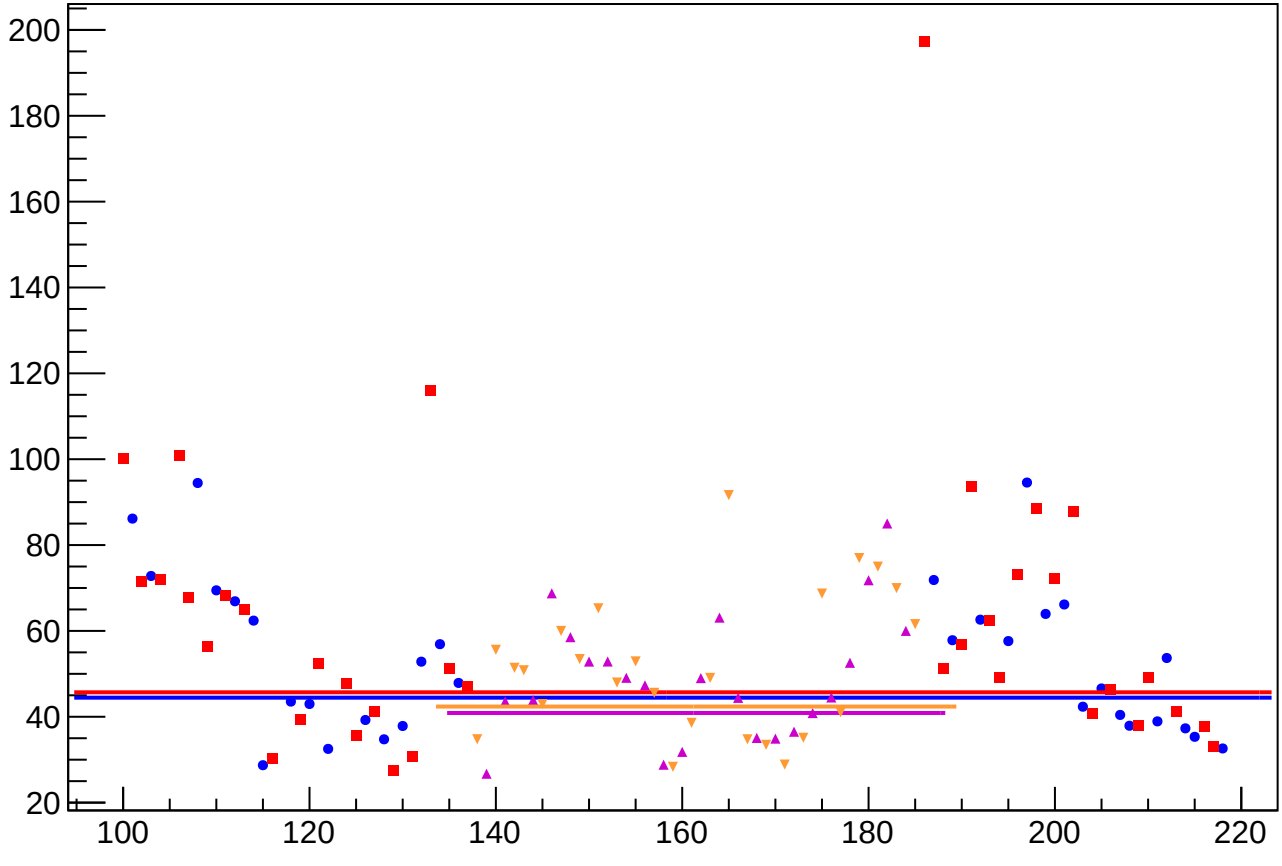
Right: 0.008+/-0.008 χ^2/NDF: 104.1/67

In: 0.012+/-0.007 χ^2/NDF:67.9/54

Out: 0.007+/-0.008 χ^2/NDF:103.7/60

All: 0.010+/-0.005 χ^2/NDF: 171.8/115

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: 45.697+/-0.008 χ^2/NDF: 4015289.8/35

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

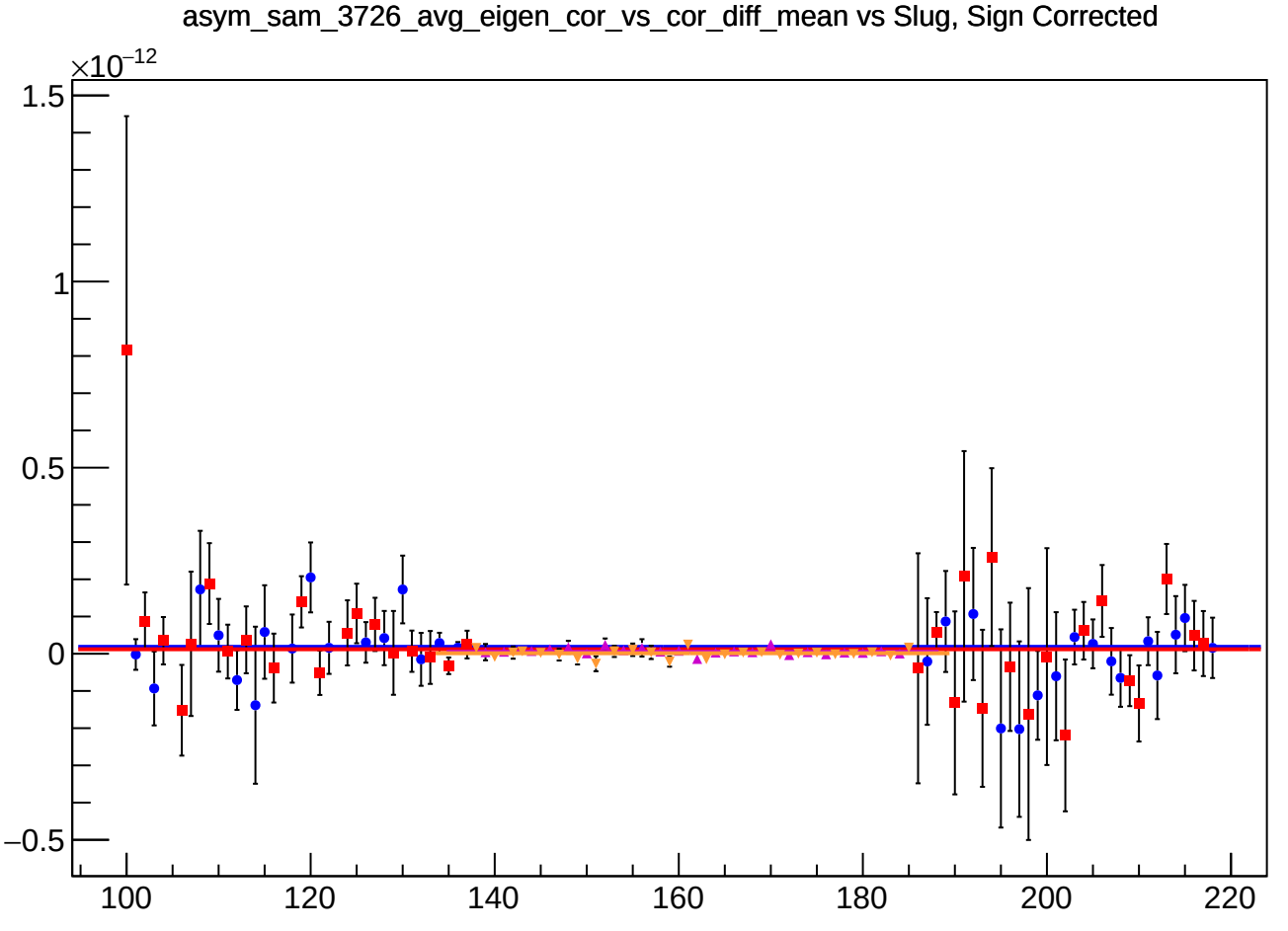
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 45.050+/-0.005 χ^2/NDF: 6935502.7/67

In: 42.592+/-0.005 χ^2/NDF:5700908.8/54

Out: 43.917+/-0.005 χ^2/NDF:7301967.8/60

All: 43.240+/-0.004 χ^2/NDF: 13034129.8/115



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: 33.5/35

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

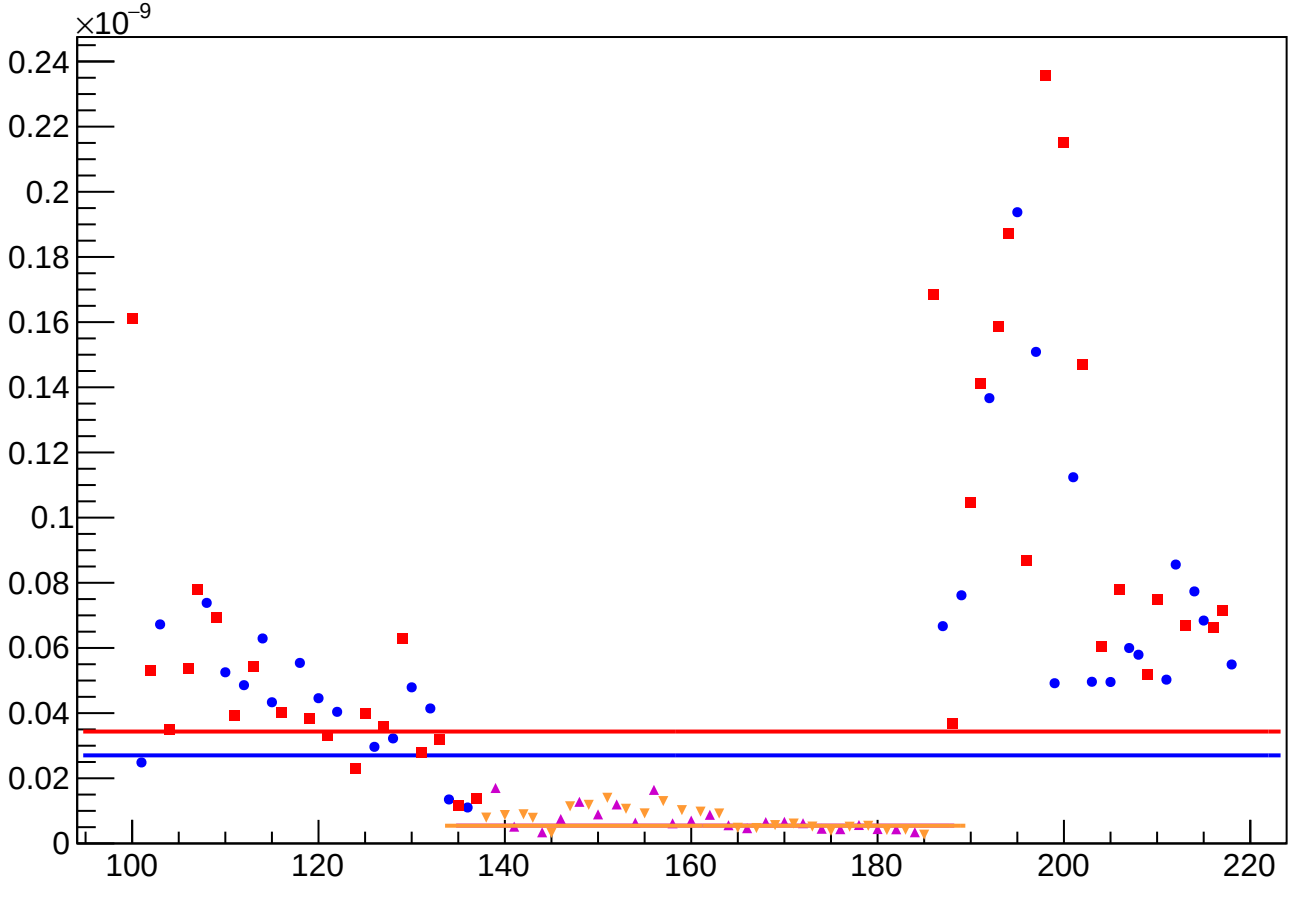
Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

Right: 0.000+/-0.000 χ^2/NDF: 51.8/67

In: 0.000+/-0.000 χ^2/NDF:33.0/54

Out: 0.000+/-0.000 χ^2/NDF:53.9/60

All: 0.000+/-0.000 χ^2/NDF: 89.4/115



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: 9984163.3/35

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

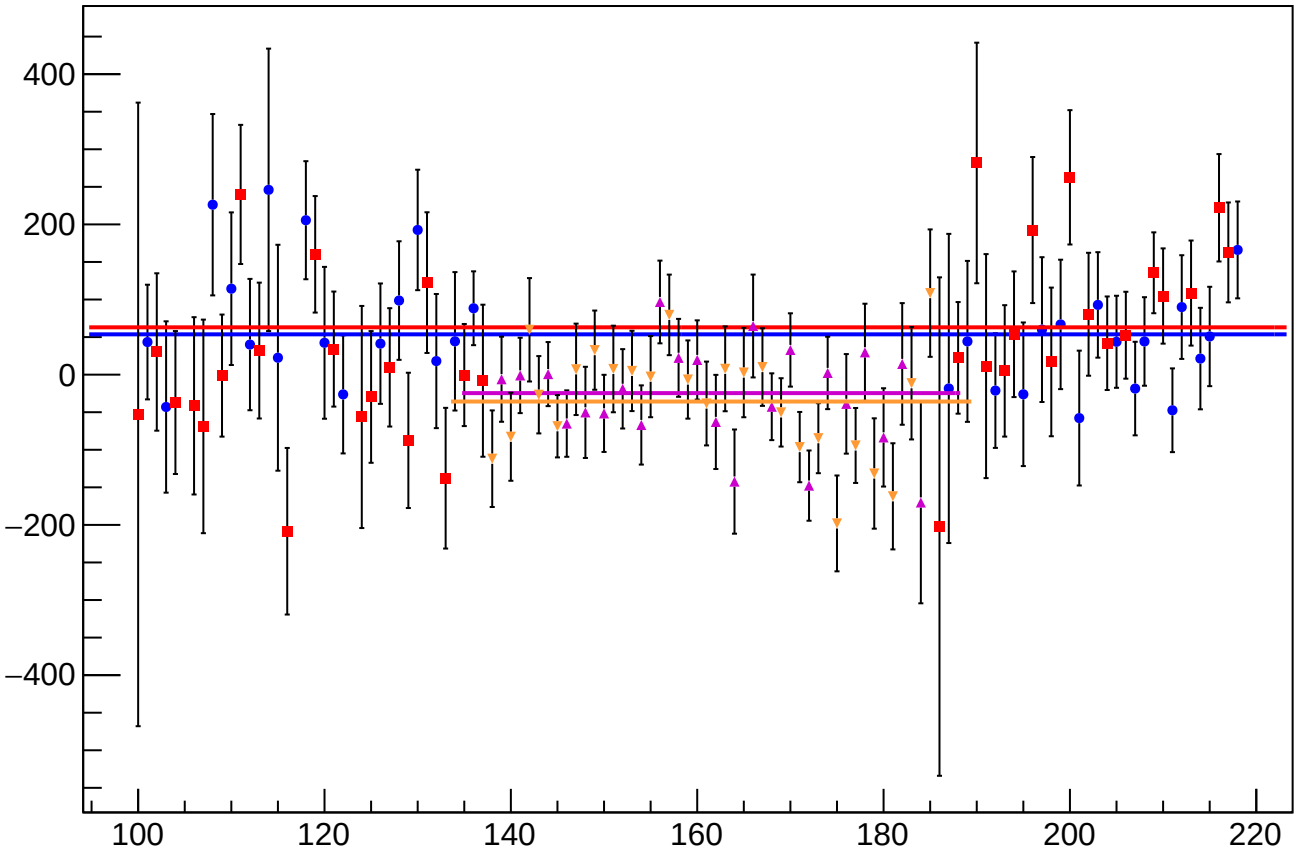
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 20466951.4/67

In: 0.000+/-0.000 χ^2/NDF:21557957.1/54

Out: 0.000+/-0.000 χ^2/NDF:24828267.1/60

All: 0.000+/-0.000 χ^2/NDF: 46389933.8/115



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: 62.991+/-14.217 χ^2/NDF: 46.8/35

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

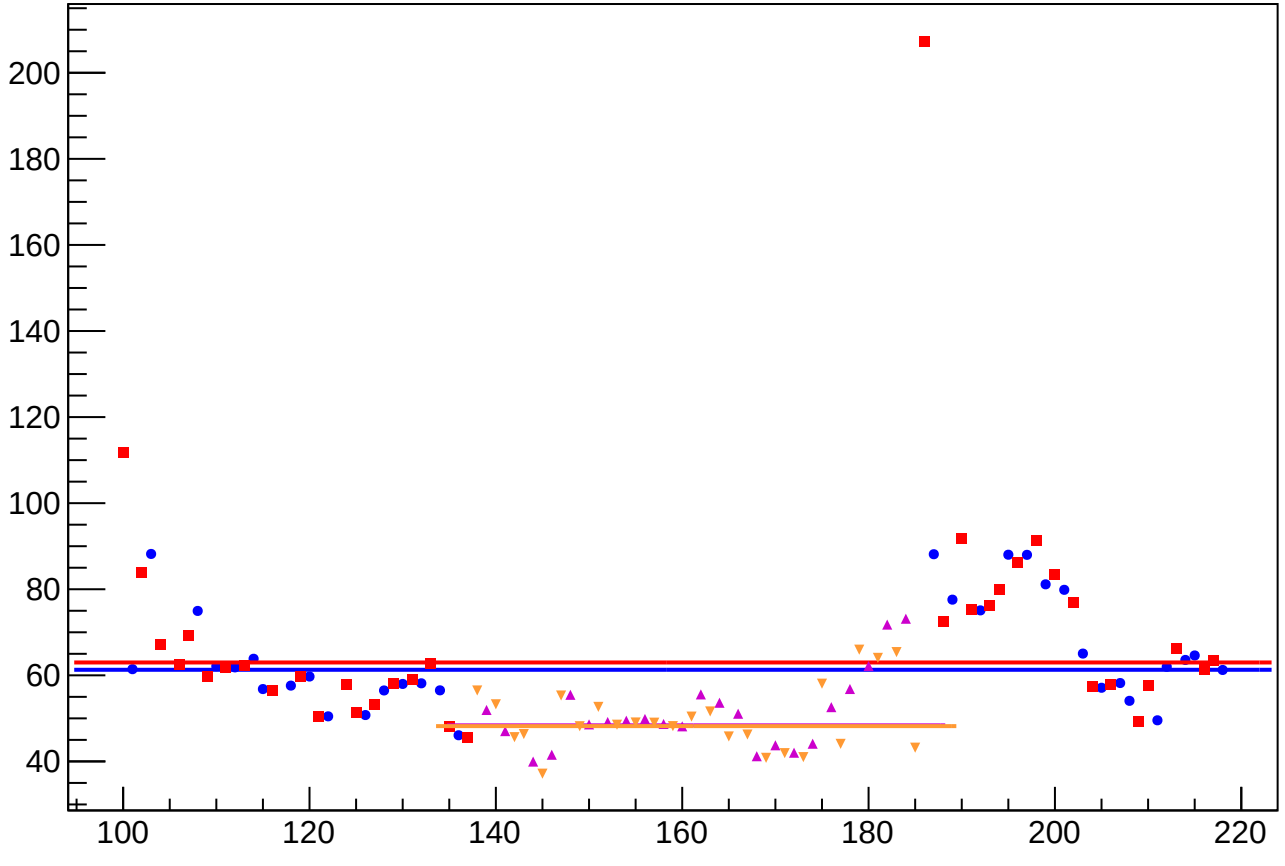
Right: 58.225+/-9.945 χ^2/NDF: 72.0/67

In: 7.073+/-8.852 χ^2/NDF:69.5/54

Out: 1.704+/-8.759 χ^2/NDF:110.5/60

All: 4.360+/-6.226 χ^2/NDF: 180.2/115

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: 62.988+/-0.010 χ^2/NDF: 1653938.4/35

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

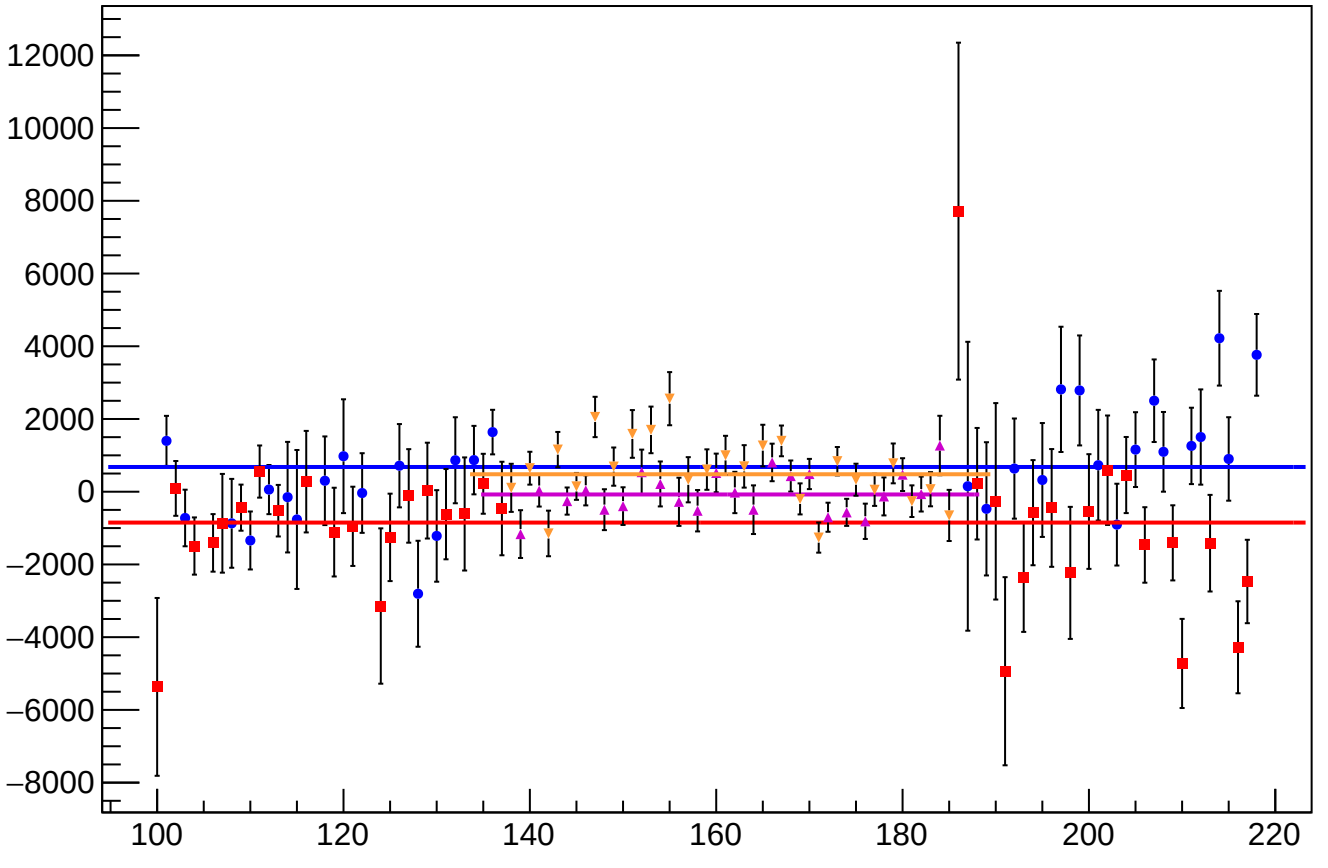
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 62.120+/-0.007 χ^2/NDF: 2889342.5/67

In: 53.602+/-0.006 χ^2/NDF:2940419.8/54

Out: 53.812+/-0.006 χ^2/NDF:3777123.2/60

All: 53.708+/-0.004 χ^2/NDF: 6718112.4/115



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: -848.800+/-189.096 χ^2/NDF: 46.0/35

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

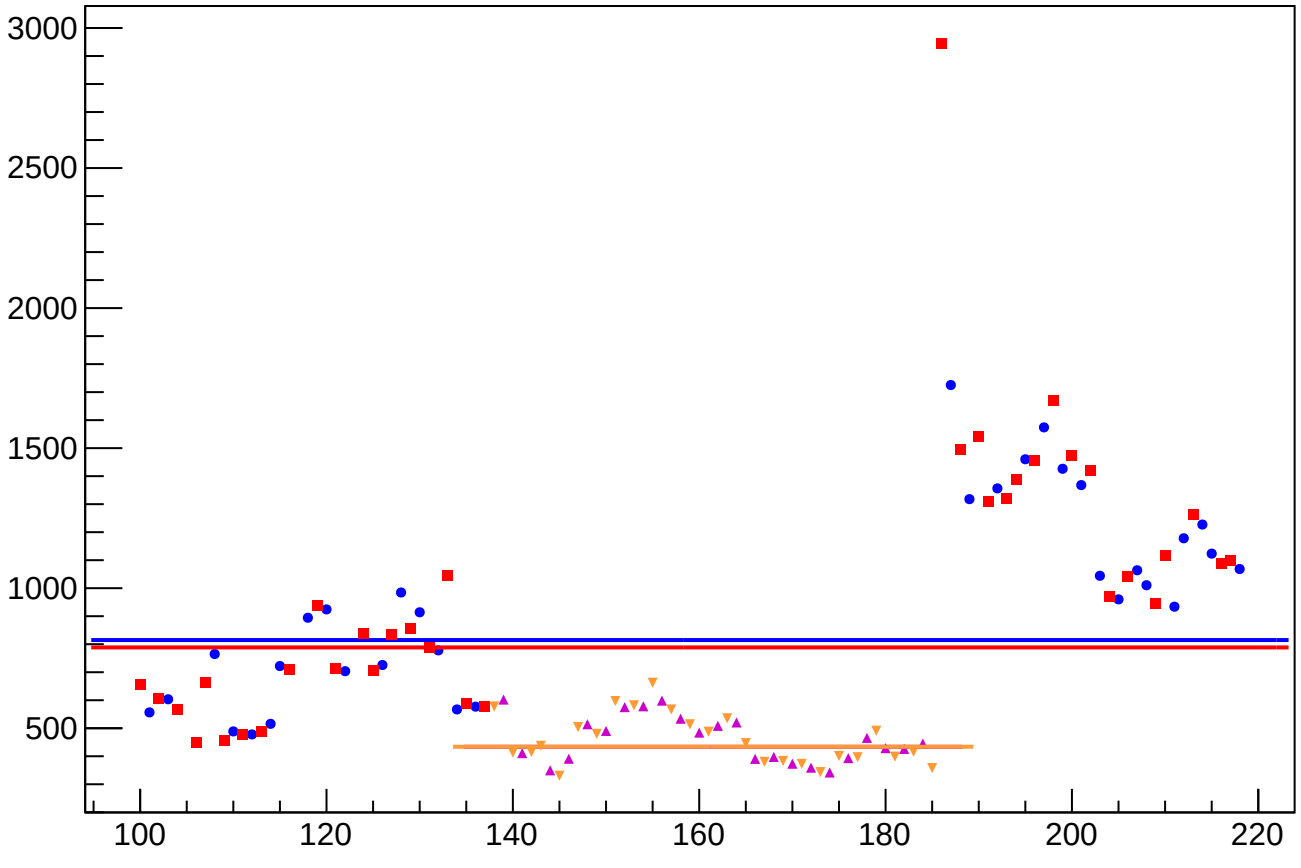
Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

Right: -102.598+/-135.298 χ^2/NDF: 127.5/67

In: 91.301+/-91.027 χ^2/NDF:86.0/54

Out: 187.380+/-88.762 χ^2/NDF:153.7/60

All: 140.550+/-63.550 χ^2/NDF: 240.3/115



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: 788.466+/-0.134 χ^2/NDF: 6353544.4/35

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

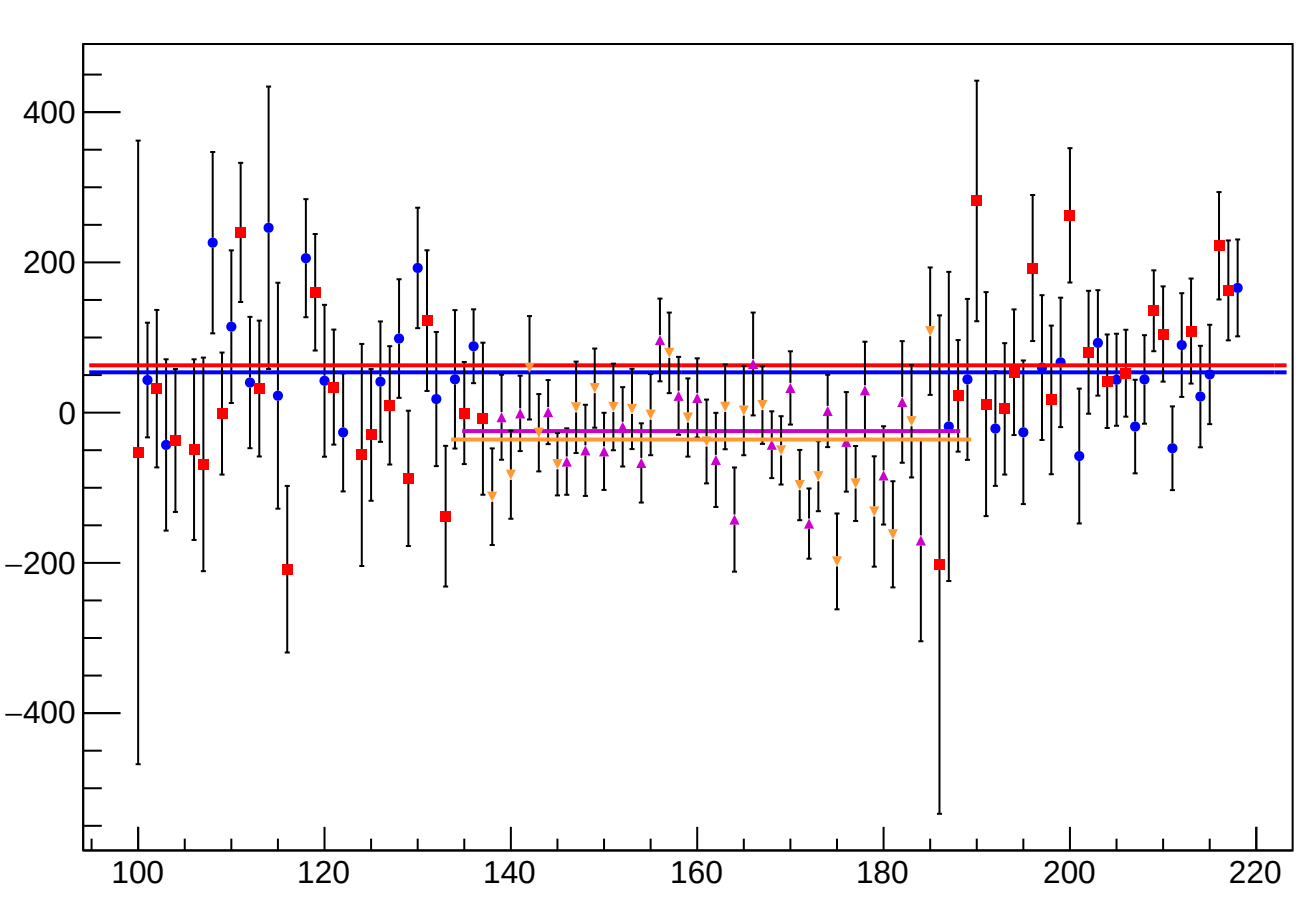
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 801.332+/-0.096 χ^2/NDF: 11046103.8/67

In: 517.915+/-0.064 χ^2/NDF:11802281.4/54

Out: 512.060+/-0.063 χ^2/NDF:13078165.3/60

All: 514.914+/-0.045 χ^2/NDF: 24884687.8/1



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: 62.968+/-14.221 χ^2/NDF: 46.9/35

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

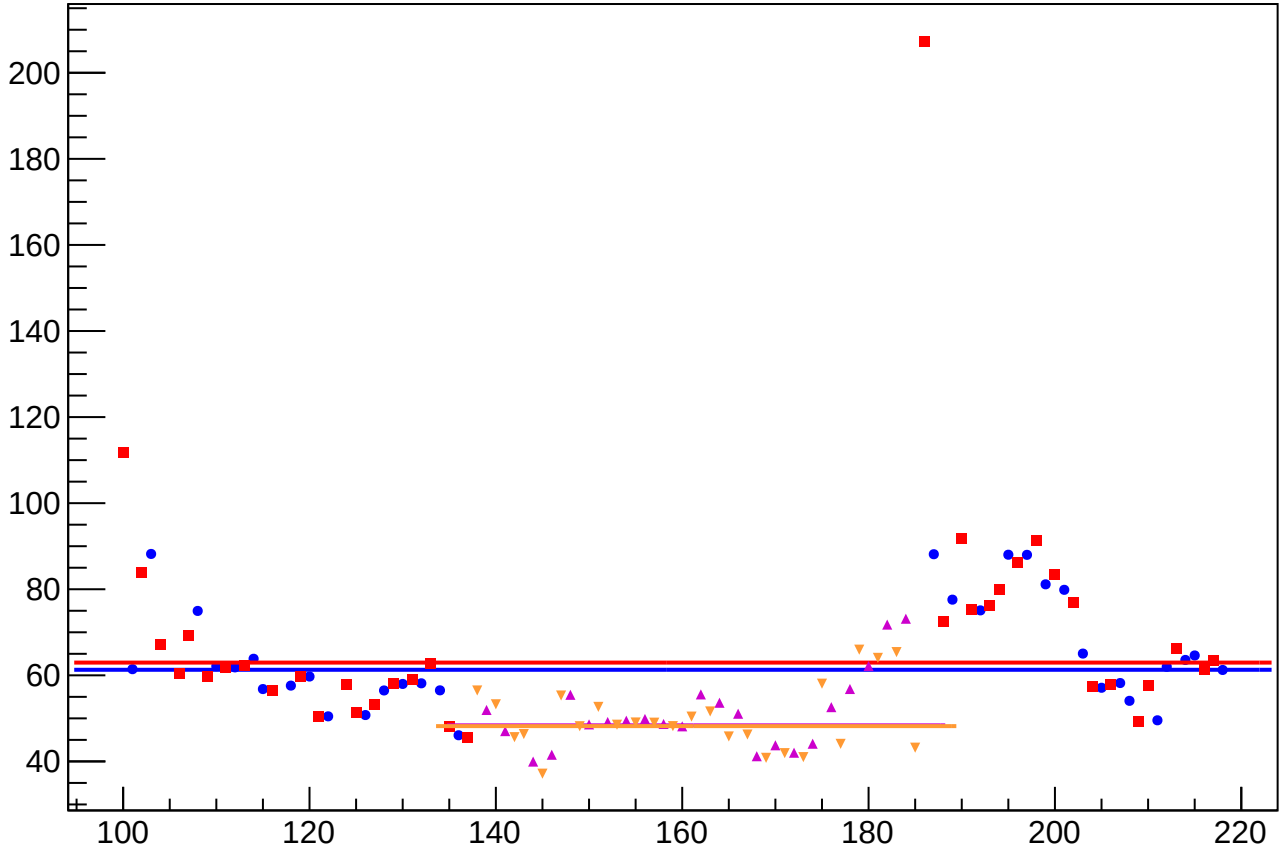
Right: 58.214+/-9.947 χ^2/NDF: 72.1/67

In: 7.073+/-8.852 χ^2/NDF:69.5/54

Out: 1.680+/-8.760 χ^2/NDF:110.5/60

All: 4.348+/-6.226 χ^2/NDF: 180.2/115

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: 62.960+/-0.010 χ^2/NDF: 1655011.4/35

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

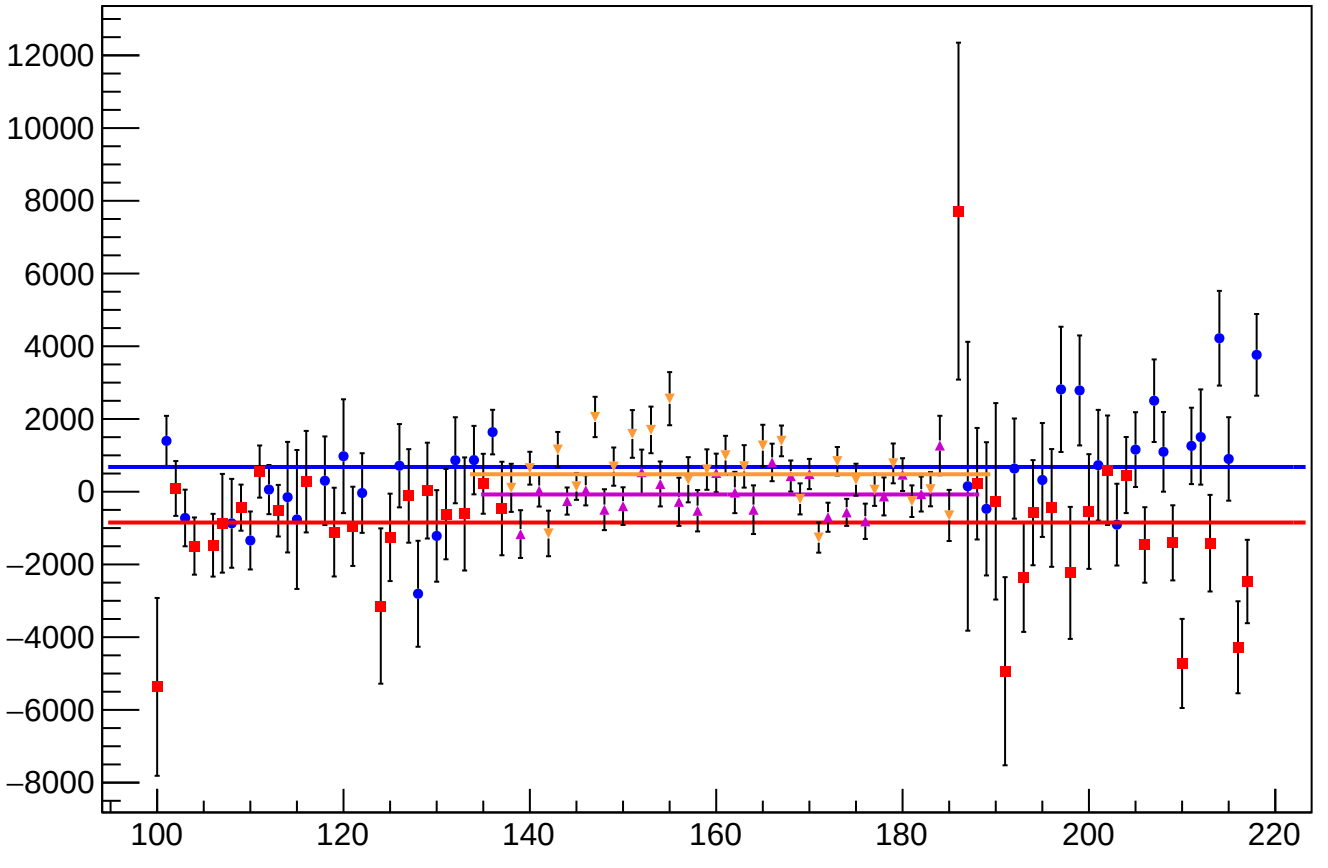
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 62.106+/-0.007 χ^2/NDF: 2889938.7/67

In: 53.602+/-0.006 χ^2/NDF:2940423.7/54

Out: 53.799+/-0.006 χ^2/NDF:3772673.8/60

All: 53.701+/-0.004 χ^2/NDF: 6713601.2/115



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: -847.012+/-189.964 χ^2/NDF: 46.0/35

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

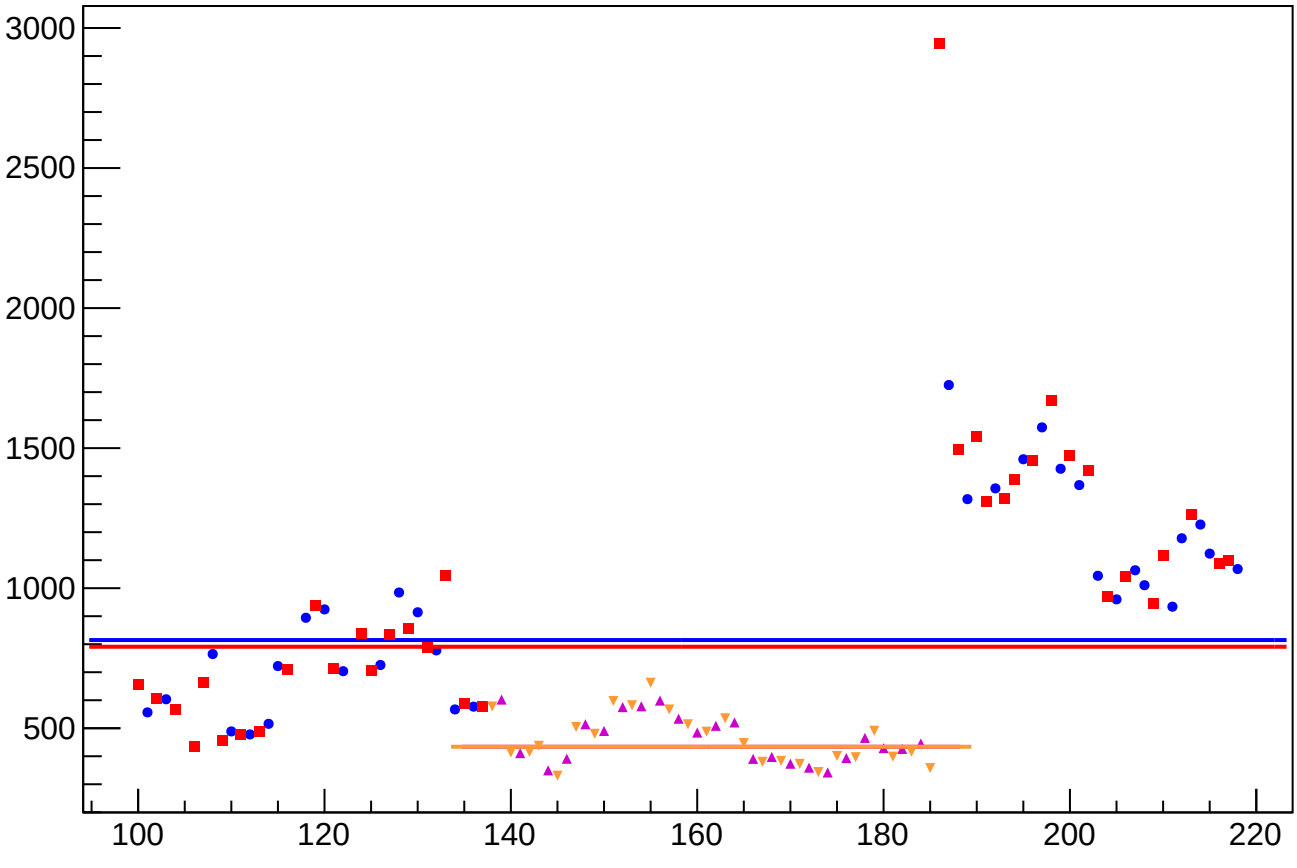
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -98.176+/-135.615 χ^2/NDF: 127.3/67

In: 91.304+/-91.027 χ^2/NDF:86.0/54

Out: 189.854+/-88.852 χ^2/NDF:153.3/60

All: 141.771+/-63.583 χ^2/NDF: 239.9/115



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: 790.973+/-0.134 χ^2/NDF: 6318473.8/35

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

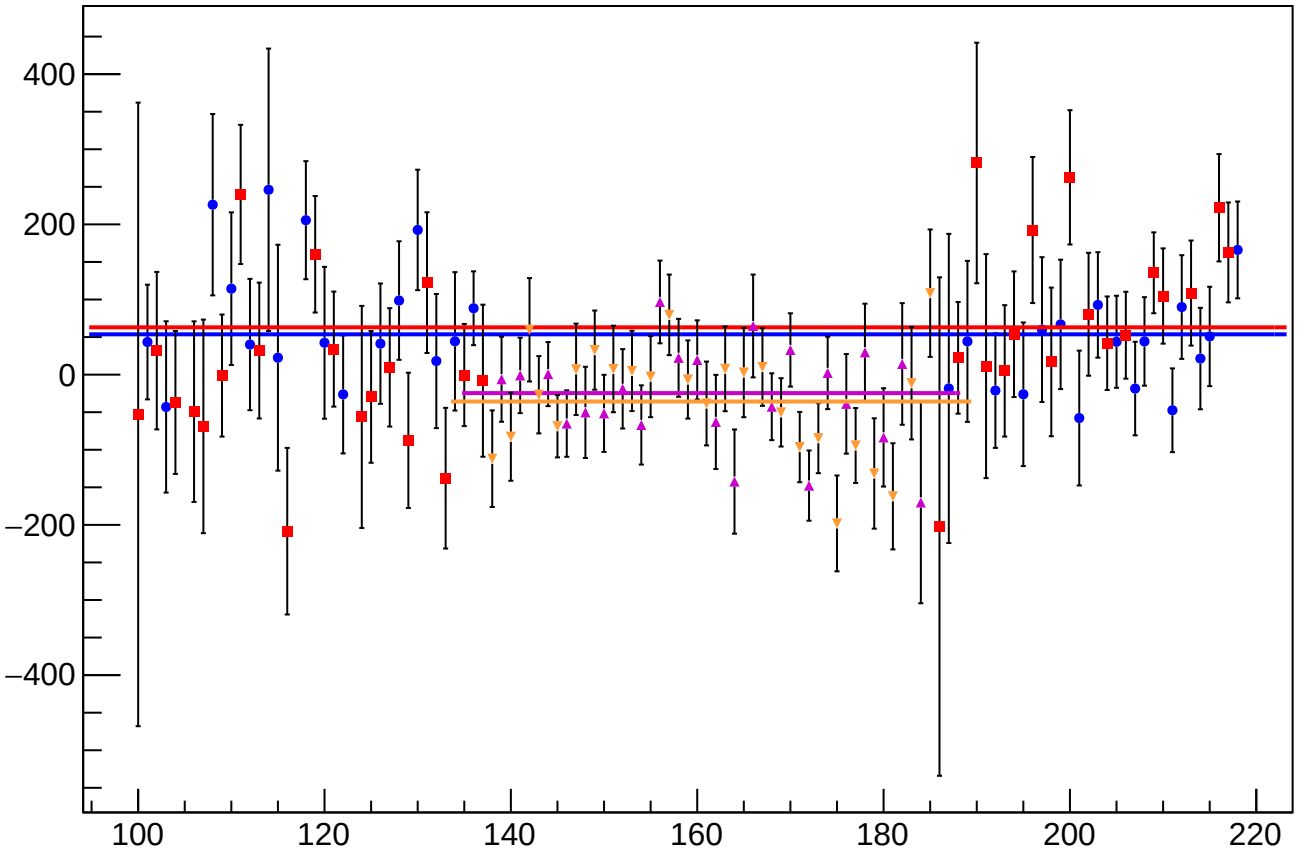
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 802.673+/-0.096 χ^2/NDF: 11007447.6/67

In: 517.916+/-0.064 χ^2/NDF:11802298.0/54

Out: 512.052+/-0.063 χ^2/NDF:13081269.6/60

All: 514.913+/-0.045 χ^2/NDF: 24887817.3/11



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: 62.968+/-14.221 χ^2/NDF: 46.9/35

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

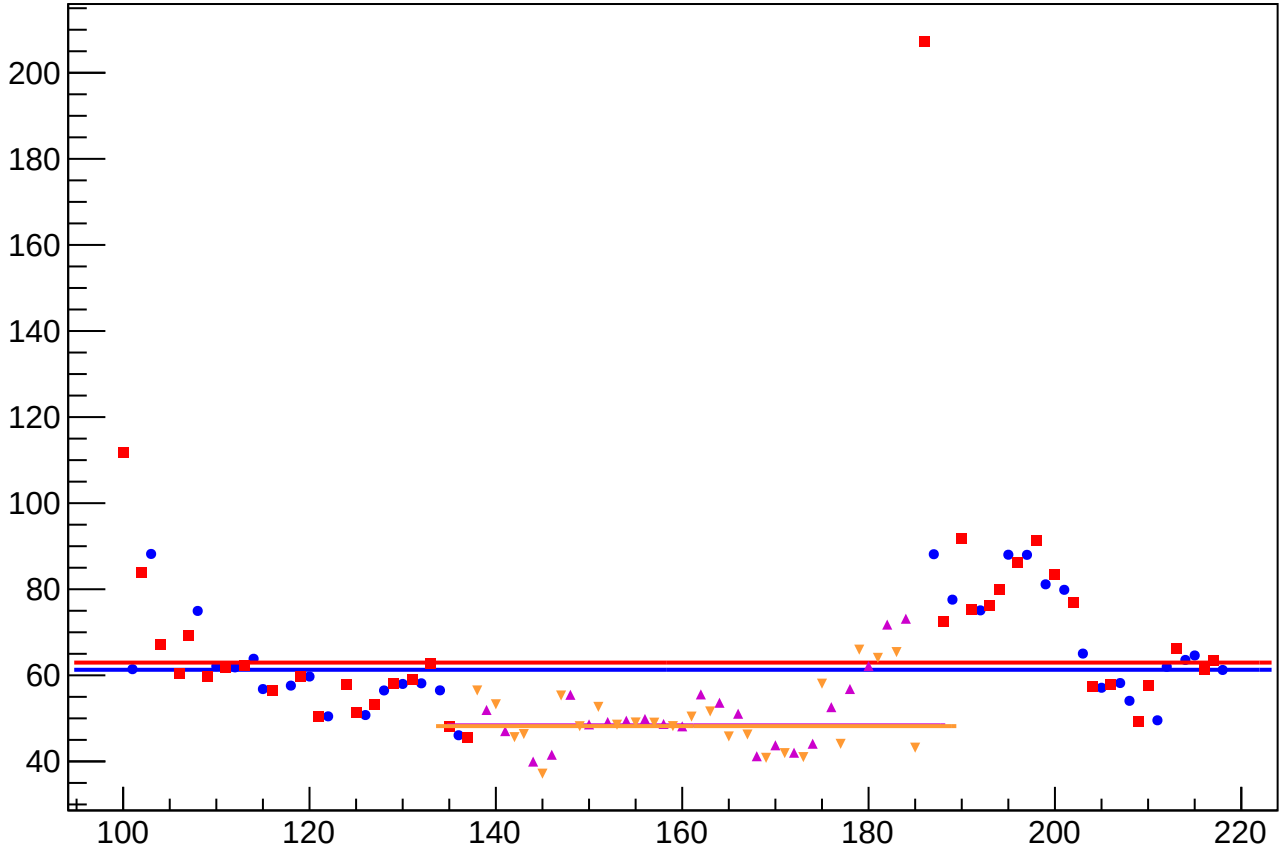
Right: 58.214+/-9.947 χ^2/NDF: 72.1/67

In: 7.073+/-8.852 χ^2/NDF:69.5/54

Out: 1.680+/-8.760 χ^2/NDF:110.5/60

All: 4.348+/-6.226 χ^2/NDF: 180.2/115

eigen_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: 62.960+/-0.010 χ^2/NDF: 1655011.4/35

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

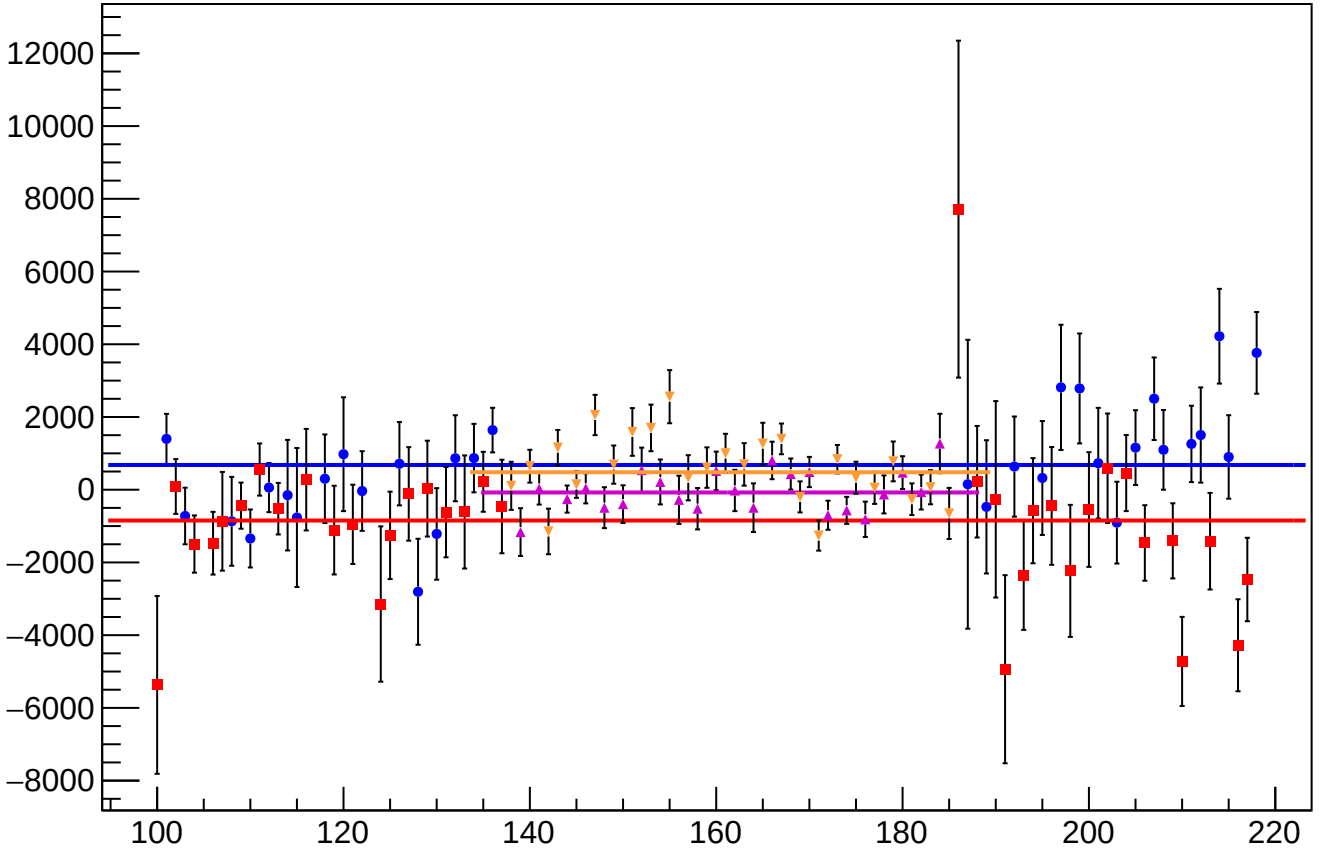
Right: 62.106+/-0.007 χ^2/NDF: 2889938.7/67

In: 53.602+/-0.006 χ^2/NDF:2940423.7/54

Out: 53.799+/-0.006 χ^2/NDF:3772673.8/60

All: 53.701+/-0.004 χ^2/NDF: 6713601.2/115

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: -847.012+/-189.964 χ^2/NDF: 46.0/35

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

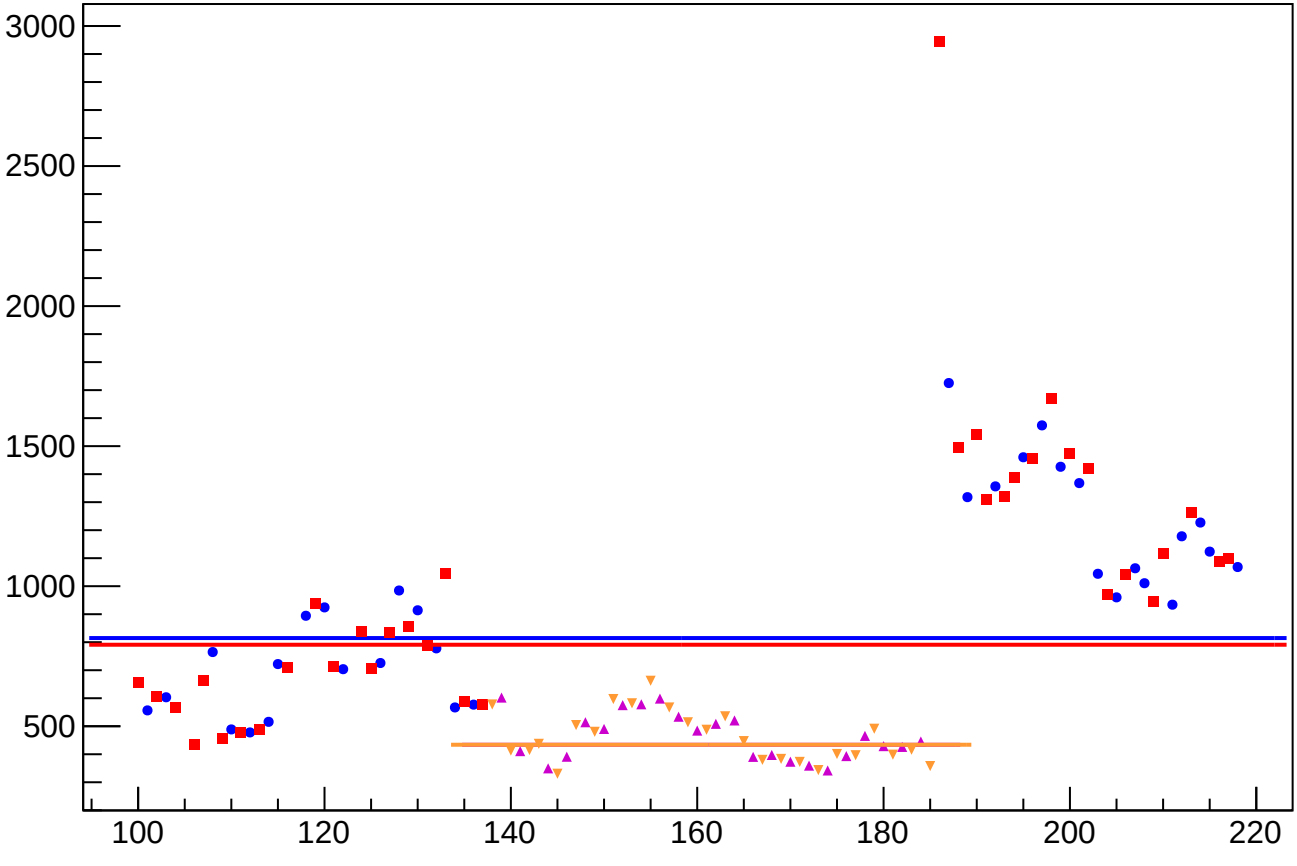
Right: -98.176+/-135.615 χ^2/NDF: 127.3/67

In: 91.304+/-91.027 χ^2/NDF:86.0/54

Out: 189.854+/-88.852 χ^2/NDF:153.3/60

All: 141.771+/-63.583 χ^2/NDF: 239.9/115

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 790.973+/-0.134 χ^2/NDF: 6318473.8/35

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

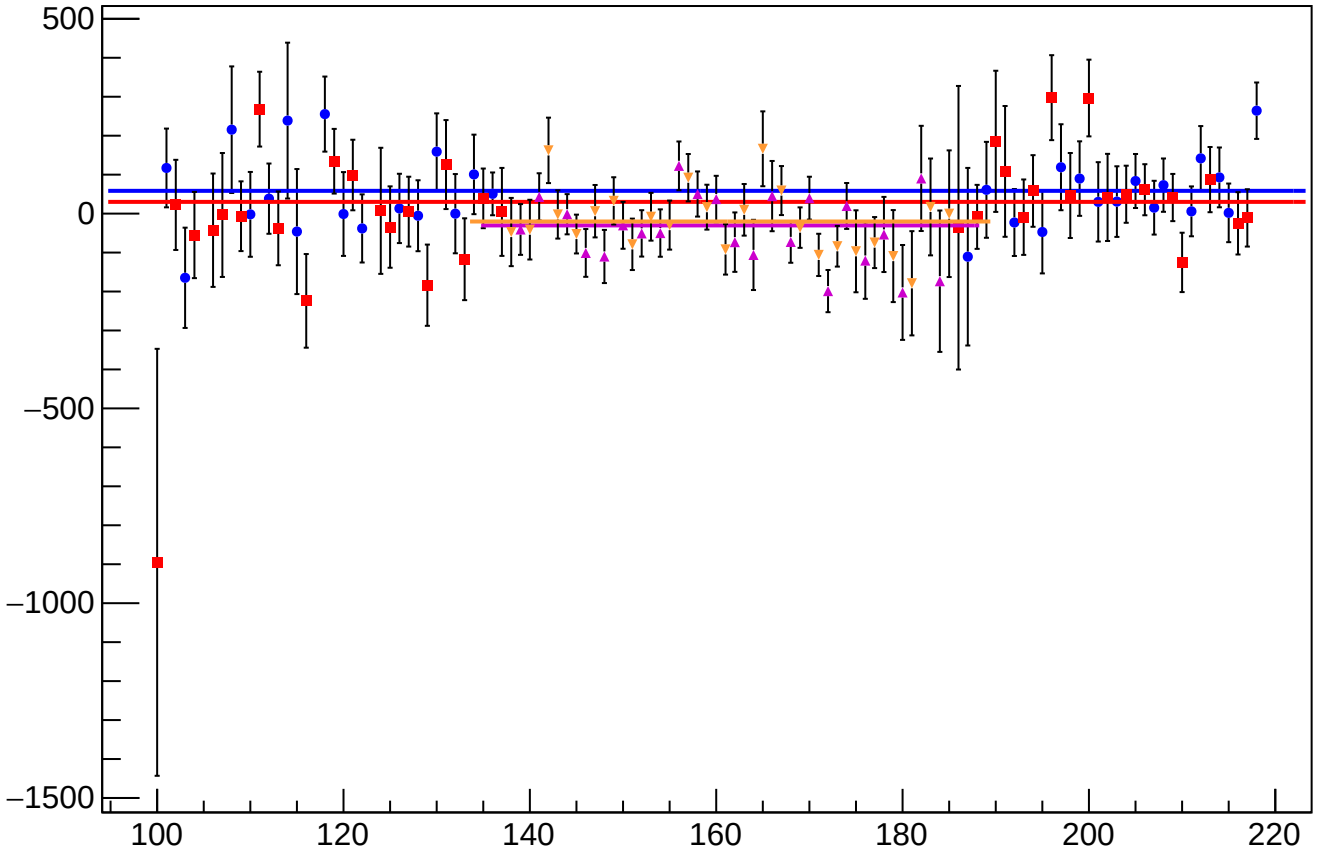
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 802.673+/-0.096 χ^2/NDF: 11007447.6/67

In: 517.916+/-0.064 χ^2/NDF:11802298.0/54

Out: 512.052+/-0.063 χ^2/NDF:13081269.6/60

All: 514.913+/-0.045 χ^2/NDF: 24887817.3/11



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: 30.104+/-16.146 χ^2/NDF: 45.2/35

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

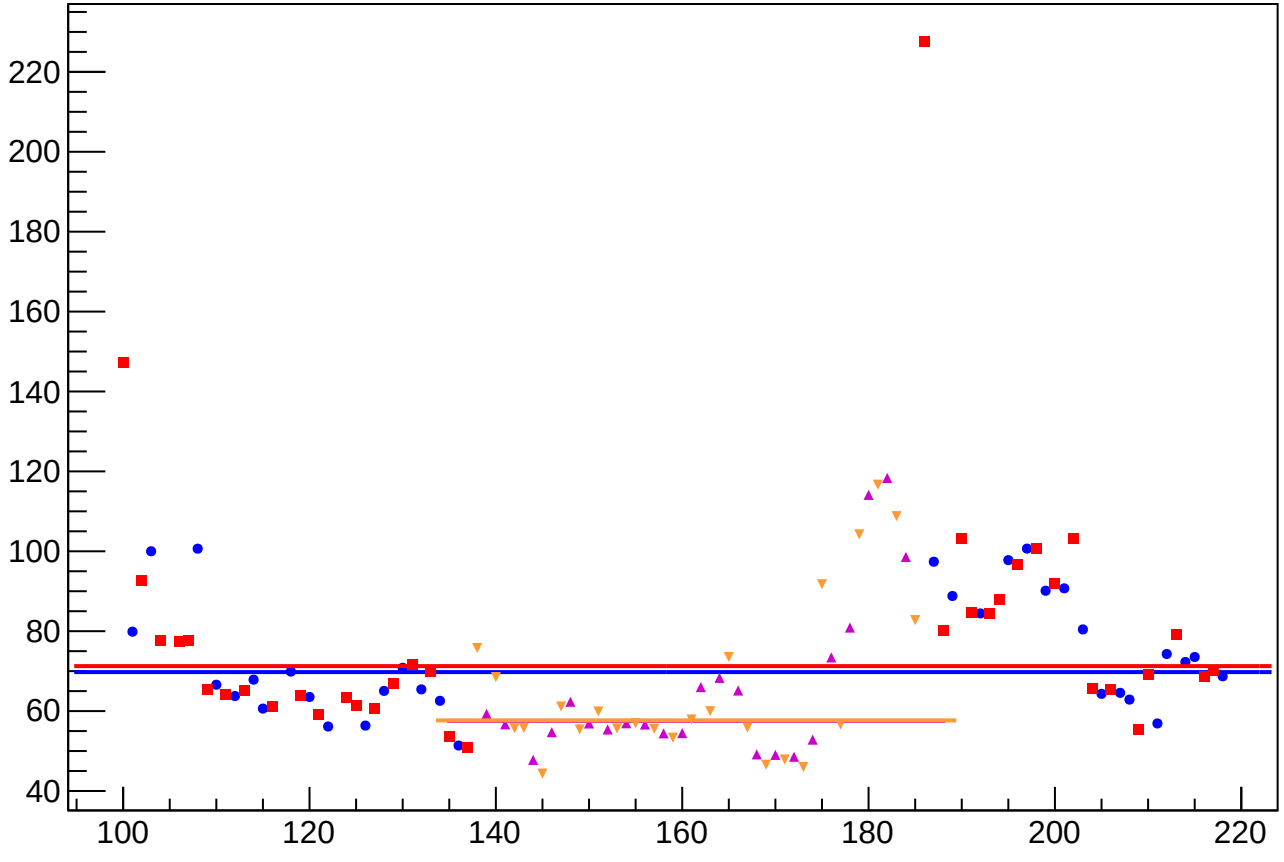
Right: 44.464+/-11.337 χ^2/NDF: 74.8/67

In: 8.309+/-10.505 χ^2/NDF:78.1/54

Out: 0.702+/-10.418 χ^2/NDF:76.0/60

All: 4.474+/-7.397 χ^2/NDF: 154.4/115

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: 71.259+/-0.011 χ^2/NDF: 1700534.6/35

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

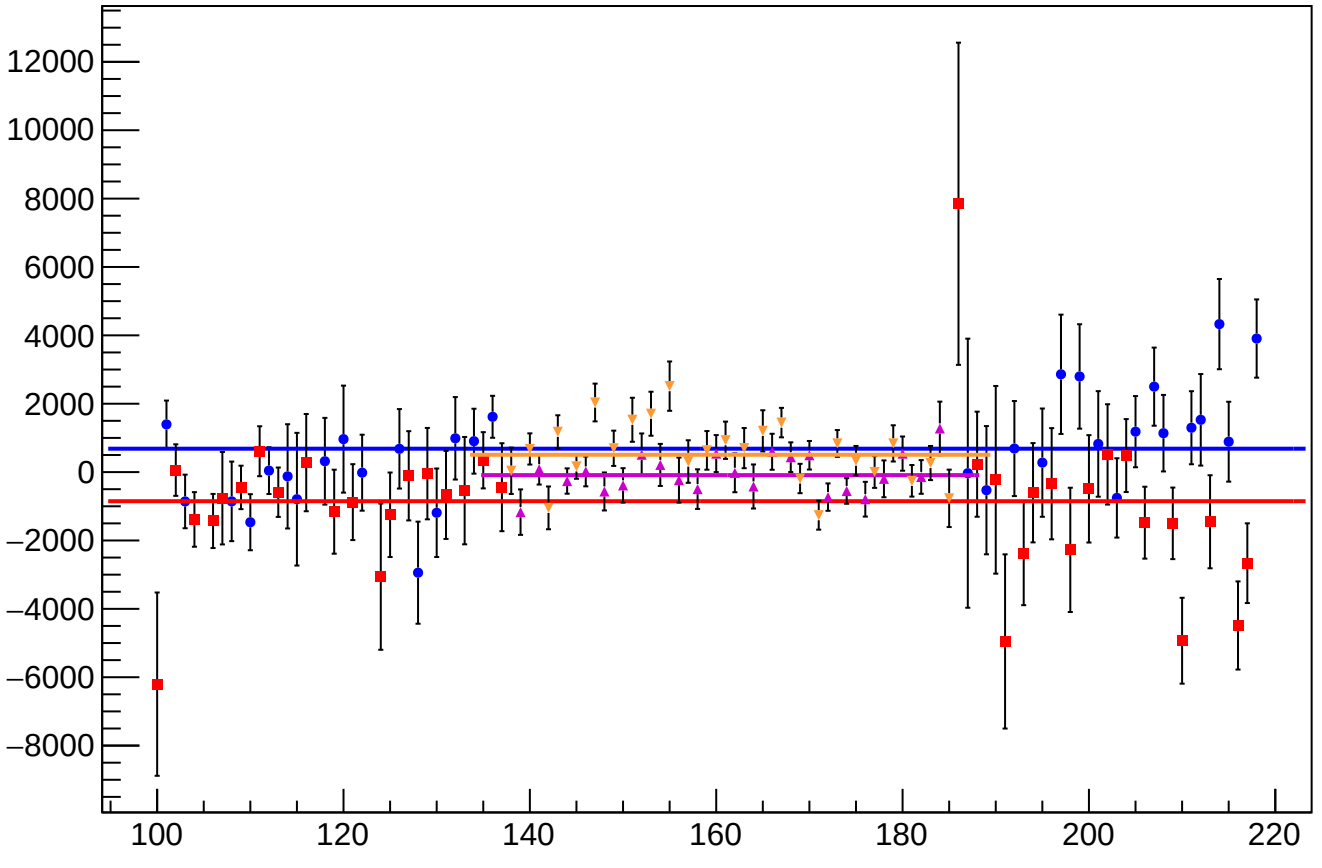
Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

Right: 70.499+/-0.008 χ^2/NDF: 3045957.9/67

In: 62.858+/-0.007 χ^2/NDF:3445262.6/54

Out: 63.326+/-0.007 χ^2/NDF:4437319.2/60

All: 63.094+/-0.005 χ^2/NDF: 7884581.4/115



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: -851.395+/-191.117 χ^2/NDF: 48.4/35

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

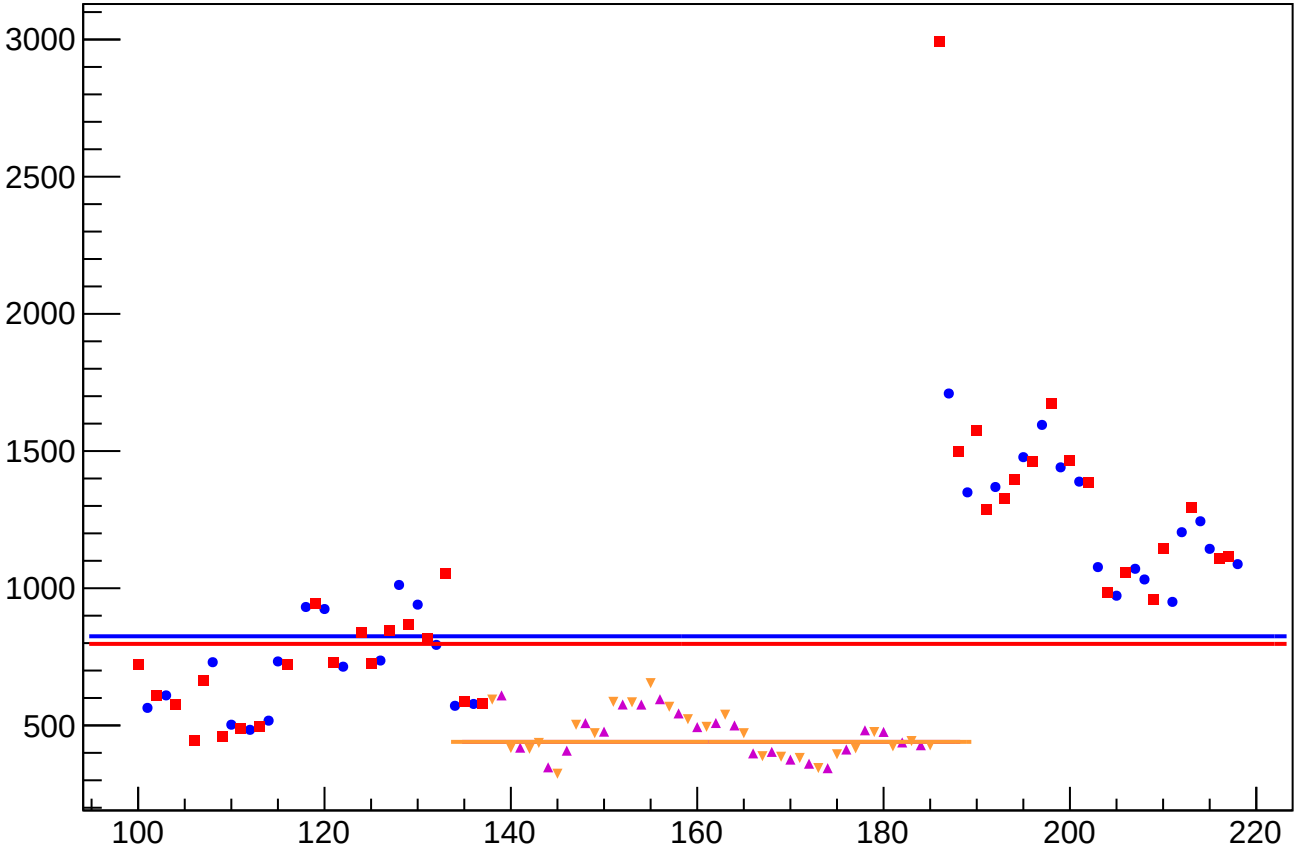
Right: -103.316+/-136.875 χ^2/NDF: 130.9/67

In: 82.550+/-92.253 χ^2/NDF:86.4/54

Out: 207.014+/-89.832 χ^2/NDF:153.6/60

All: 146.437+/-64.360 χ^2/NDF: 241.0/115

asym_sam_15_48_dd_dit_correction_rms vs Slug, Sign Corrected



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: 797.163+/-0.135 χ^2/NDF: 6339325.1/35

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

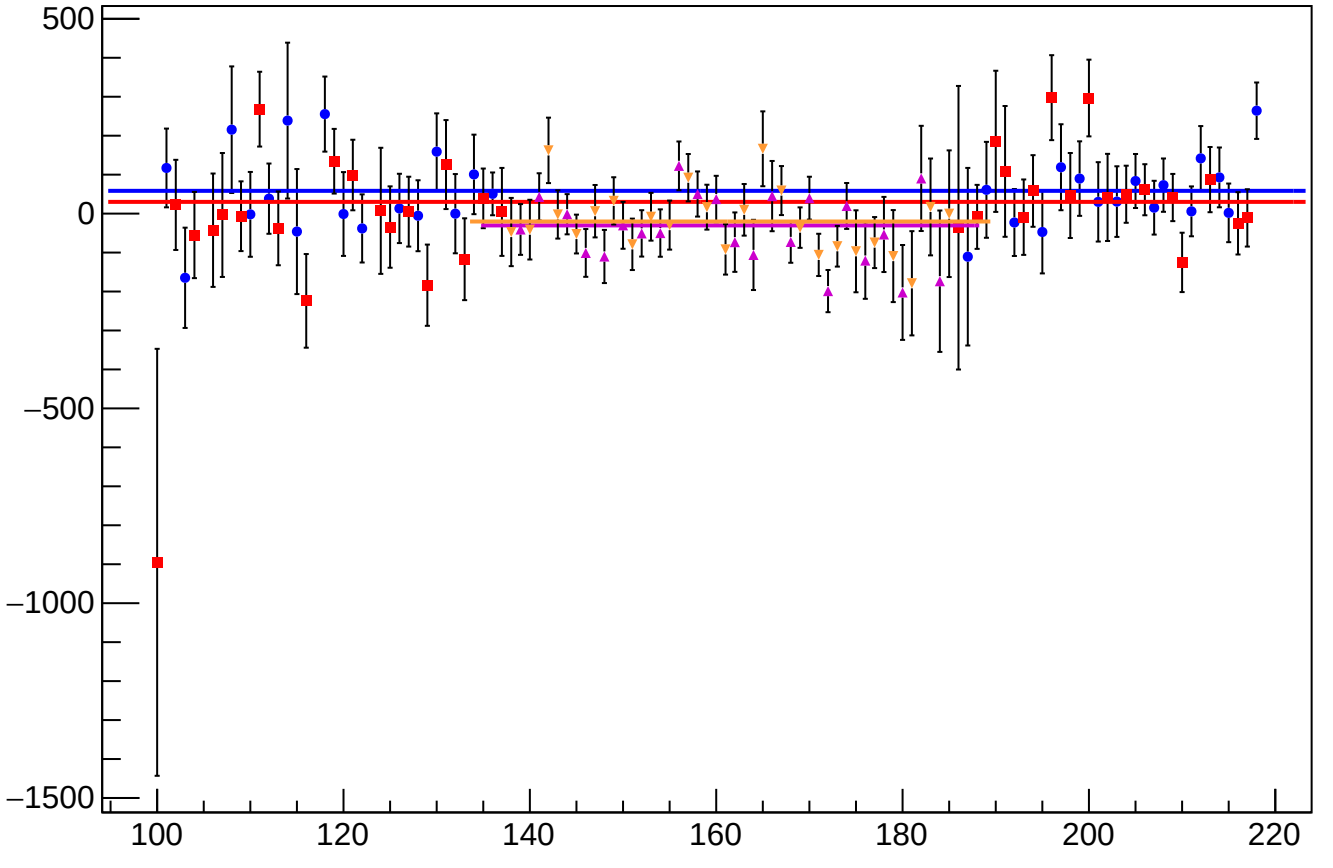
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 810.668+/-0.097 χ^2/NDF: 11089604.0/67

In: 525.069+/-0.065 χ^2/NDF:11794054.4/54

Out: 518.969+/-0.064 χ^2/NDF:12975729.8/60

All: 521.938+/-0.046 χ^2/NDF: 24774272.5/11



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: 30.105+/-16.146 χ^2/NDF: 45.2/35

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

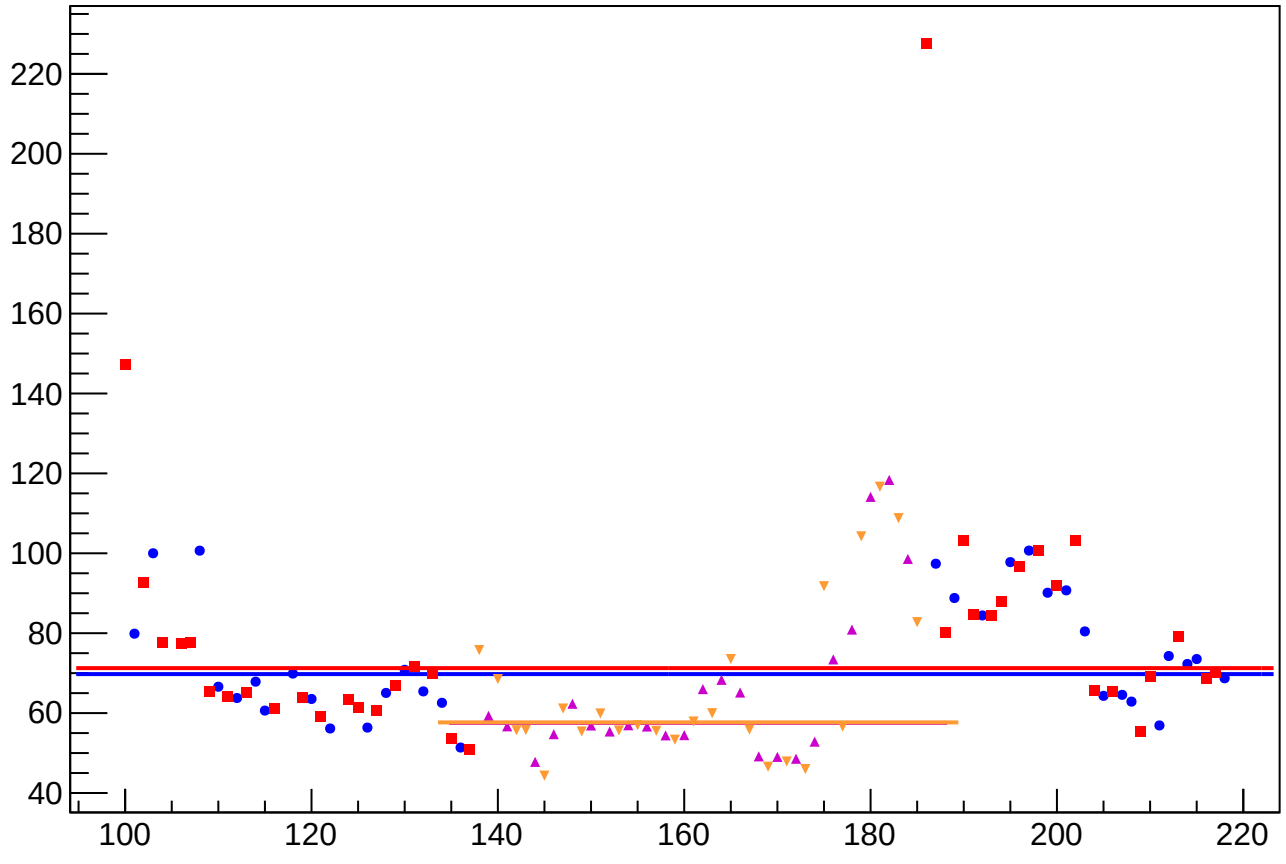
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 44.463+/-11.337 χ^2/NDF: 74.8/67

In: 8.308+/-10.505 χ^2/NDF:78.1/54

Out: 0.702+/-10.418 χ^2/NDF:76.0/60

All: 4.473+/-7.397 χ^2/NDF: 154.4/115



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: 71.259+/-0.011 χ^2/NDF: 1700538.7/35

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

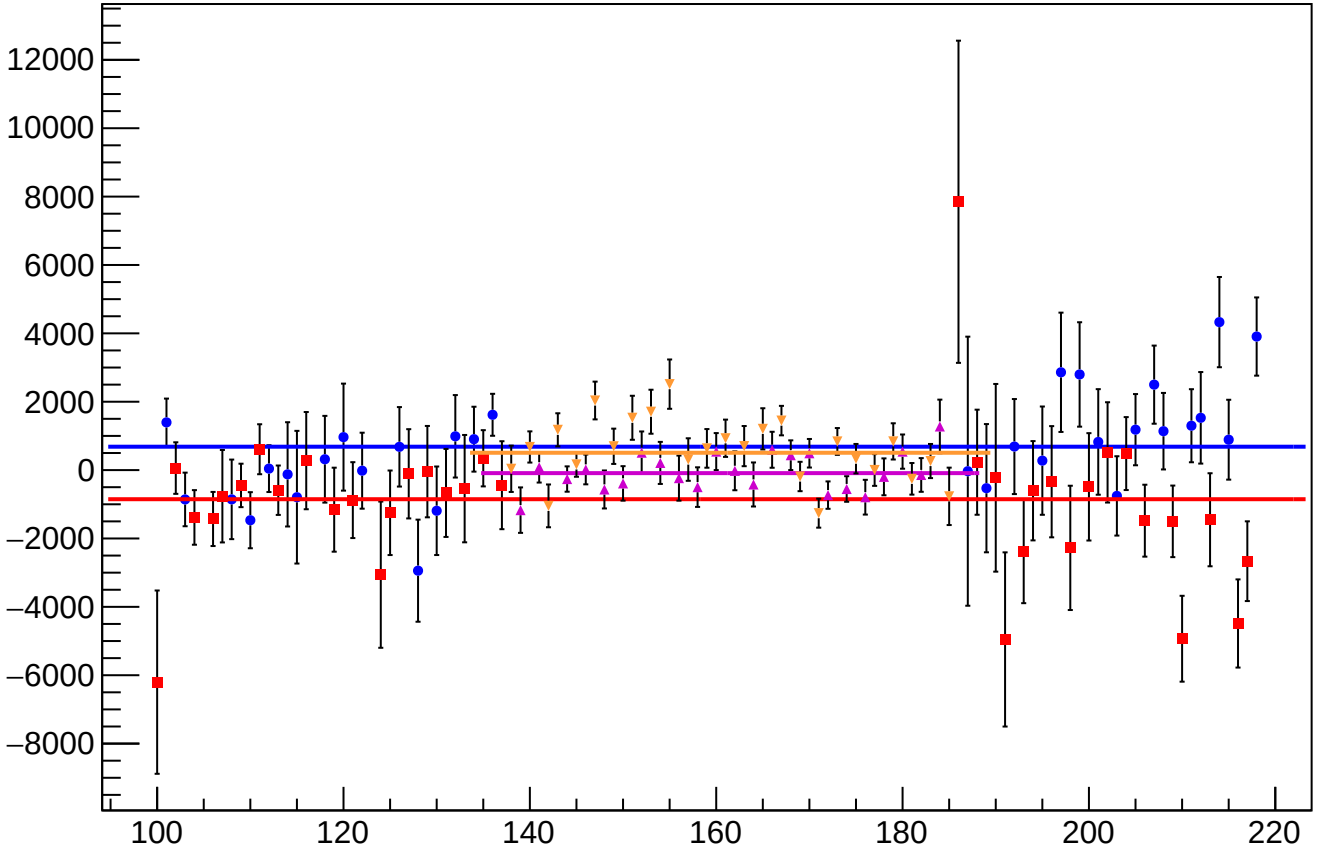
Right: 70.499+/-0.008 χ^2/NDF: 3045935.3/67

In: 62.858+/-0.007 χ^2/NDF:3445207.9/54

Out: 63.326+/-0.007 χ^2/NDF:4437301.8/60

All: 63.094+/-0.005 χ^2/NDF: 7884509.8/115

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: -851.393+/-191.117 χ^2/NDF: 48.4/35

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

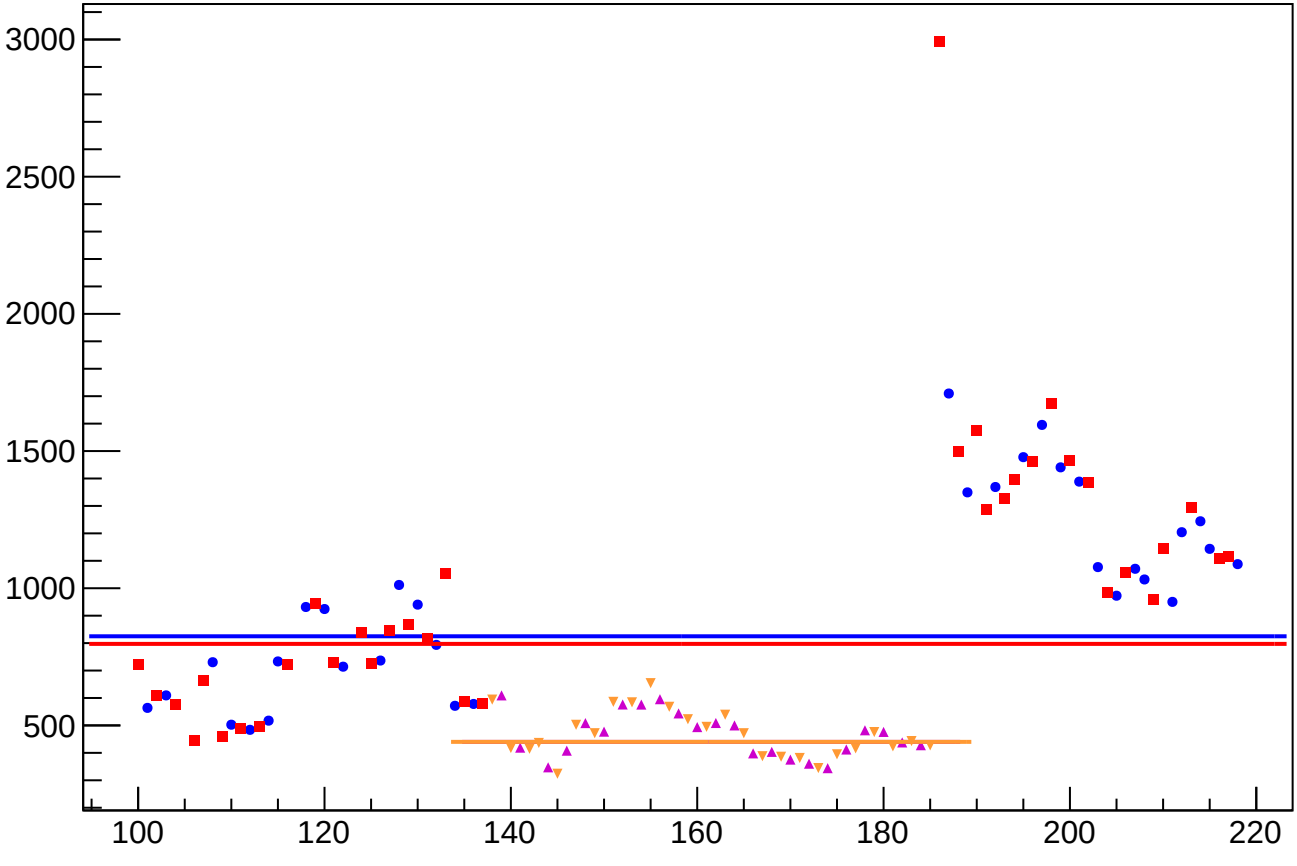
Right: -103.316+/-136.874 χ^2/NDF: 130.9/67

In: 82.549+/-92.253 χ^2/NDF:86.4/54

Out: 207.015+/-89.832 χ^2/NDF:153.6/60

All: 146.436+/-64.360 χ^2/NDF: 241.0/115

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: 797.162+/-0.135 χ^2/NDF: 6339332.7/35

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

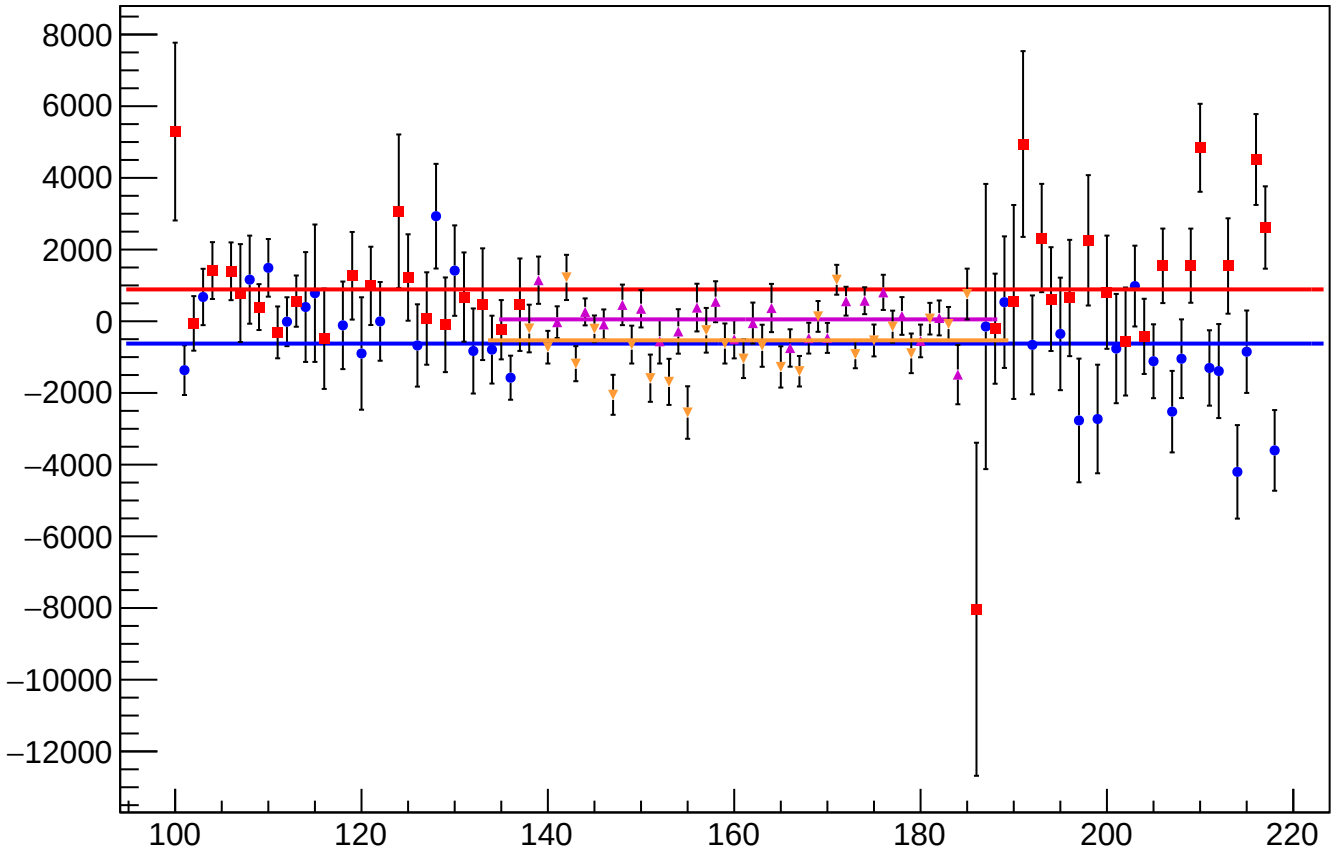
Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

Right: 810.667+/-0.097 χ^2/NDF: 11089617.1/67

In: 525.067+/-0.065 χ^2/NDF:11794093.0/54

Out: 518.968+/-0.064 χ^2/NDF:12975766.9/60

All: 521.936+/-0.046 χ^2/NDF: 24774348.0/1



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: 888.624+/-190.138 χ^2/NDF: 46.8/35

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

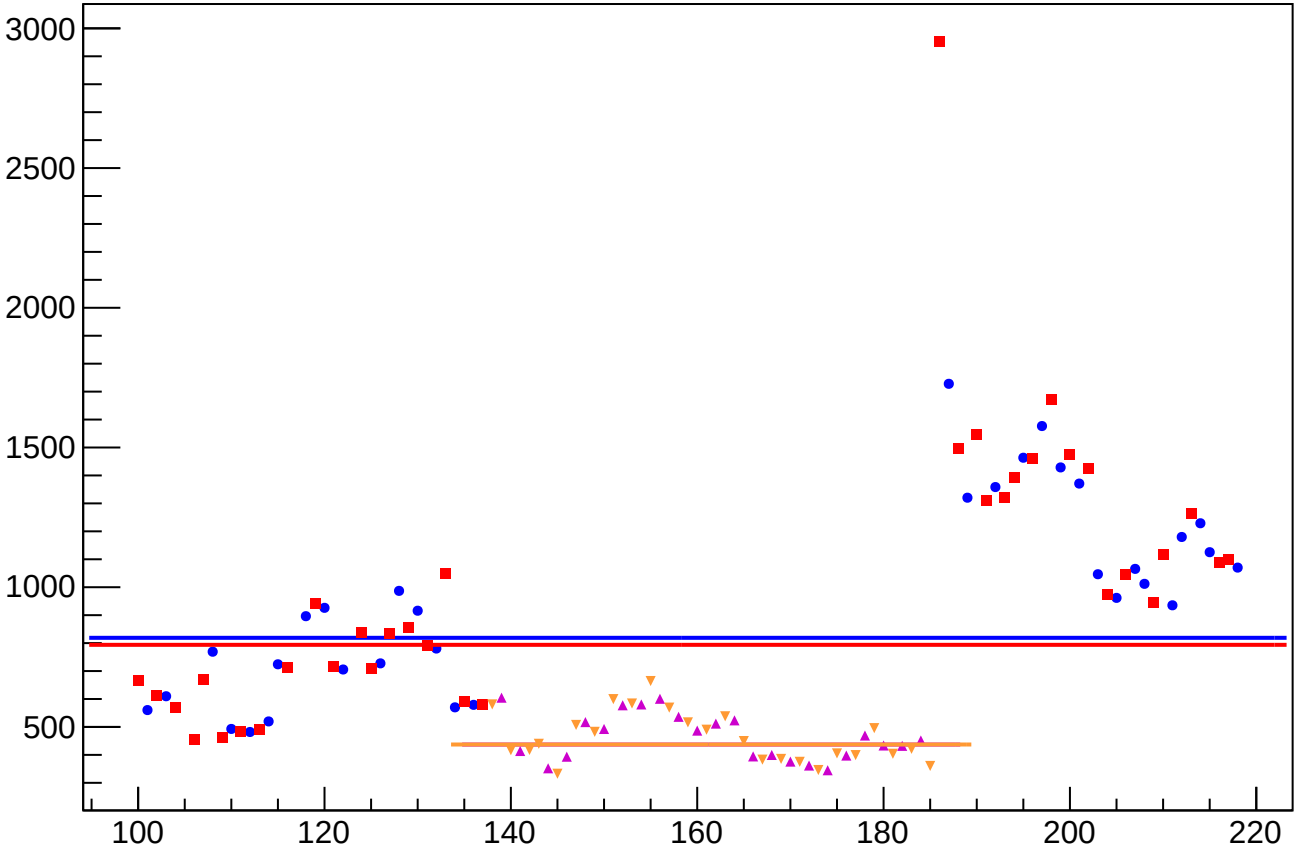
Right: 149.926+/-135.960 χ^2/NDF: 128.4/67

In: -97.363+/-91.622 χ^2/NDF:84.1/54

Out: -217.844+/-89.366 χ^2/NDF:155.9/60

All: -159.105+/-63.974 χ^2/NDF: 240.9/115

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: 793.831+/-0.134 χ^2/NDF: 6263078.3/35

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

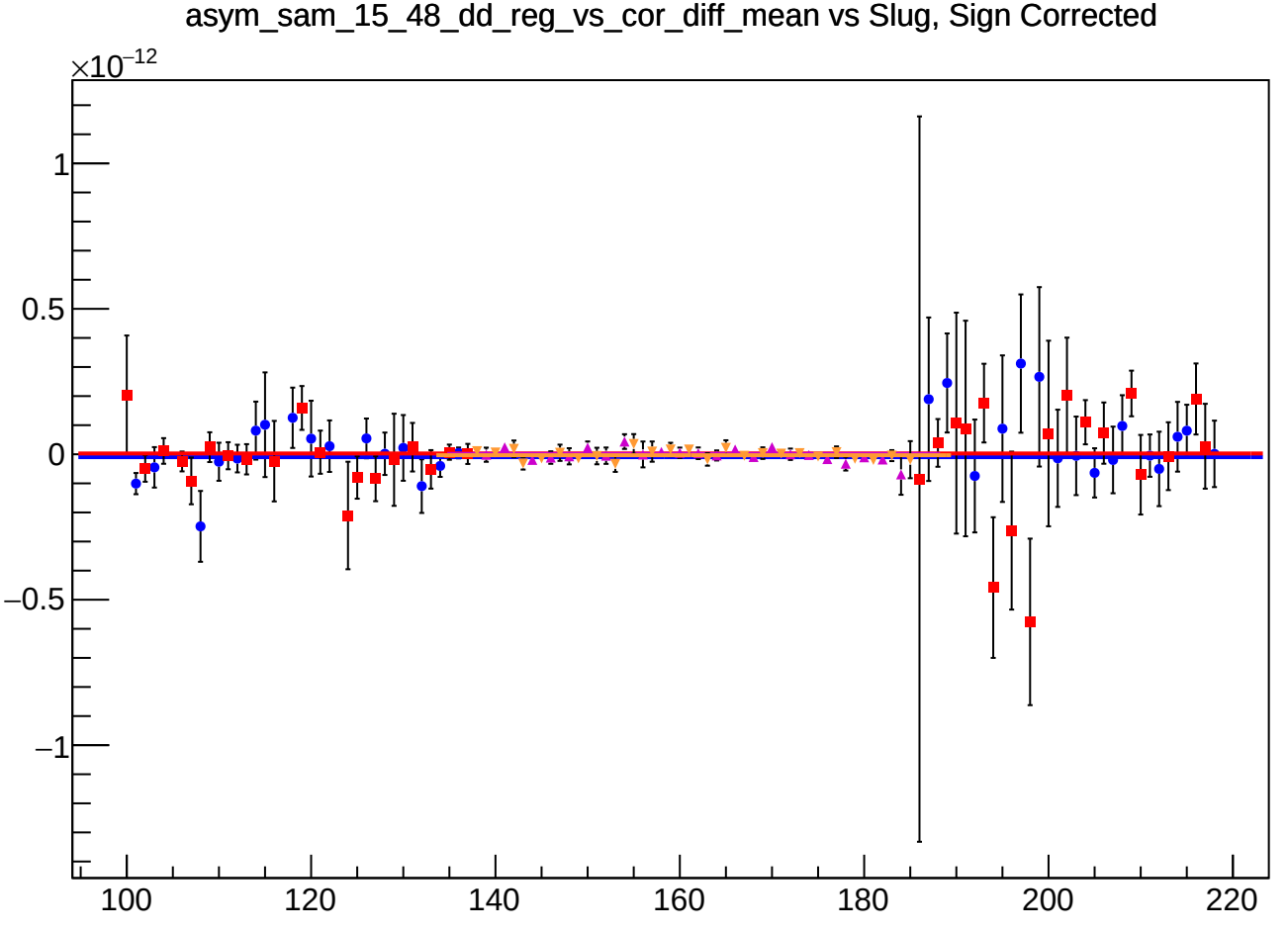
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 806.111+/-0.096 χ^2/NDF: 10897287.3/67

In: 521.718+/-0.065 χ^2/NDF:11701135.9/54

Out: 515.947+/-0.063 χ^2/NDF:12973642.4/60

All: 518.761+/-0.045 χ^2/NDF: 24678844.8/1



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: 37.4/35

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

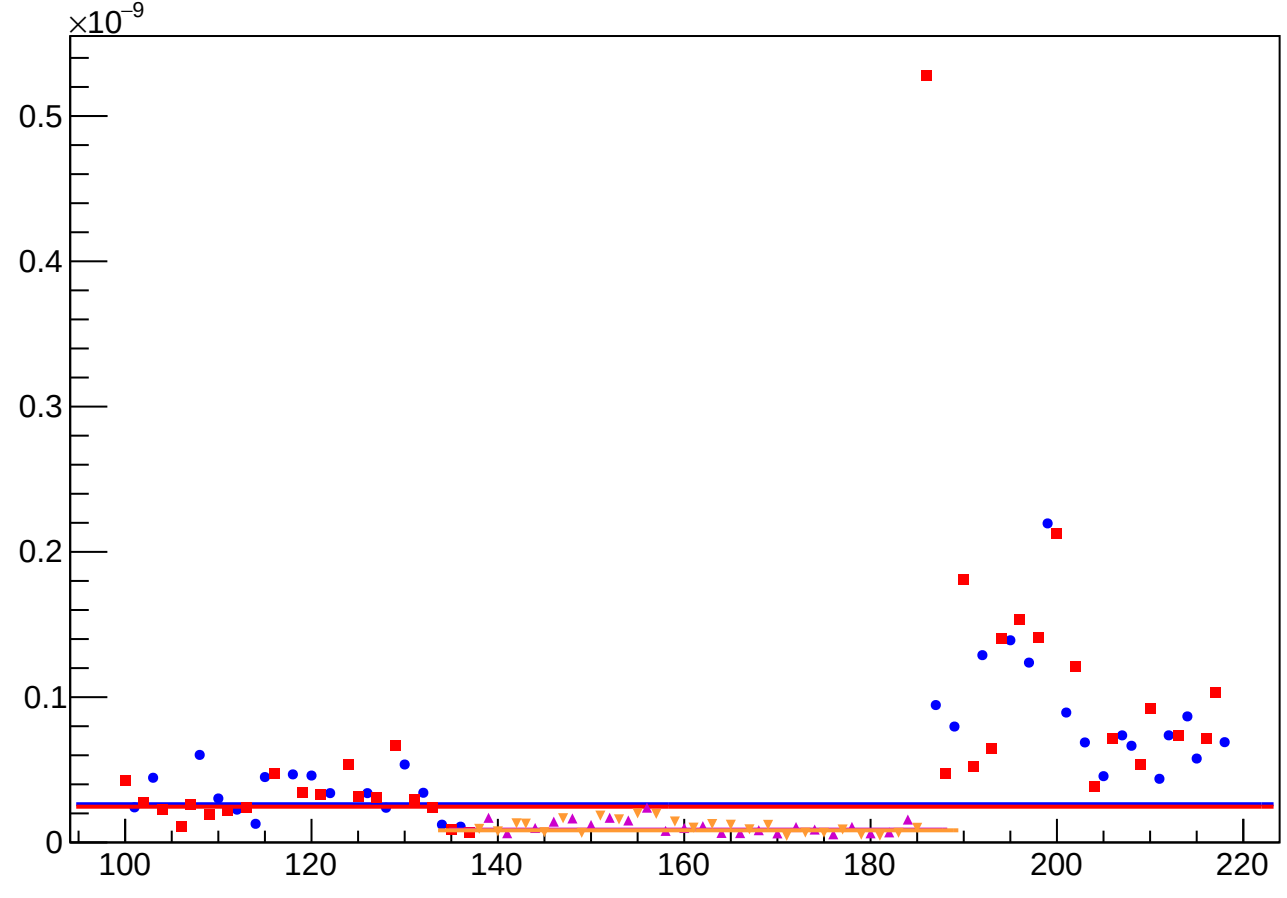
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 63.8/67

In: 0.000+/-0.000 χ^2/NDF:48.6/54

Out: -0.000+/-0.000 χ^2/NDF:52.0/60

All: -0.000+/-0.000 χ^2/NDF: 101.0/115



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: 7840193.4/35

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

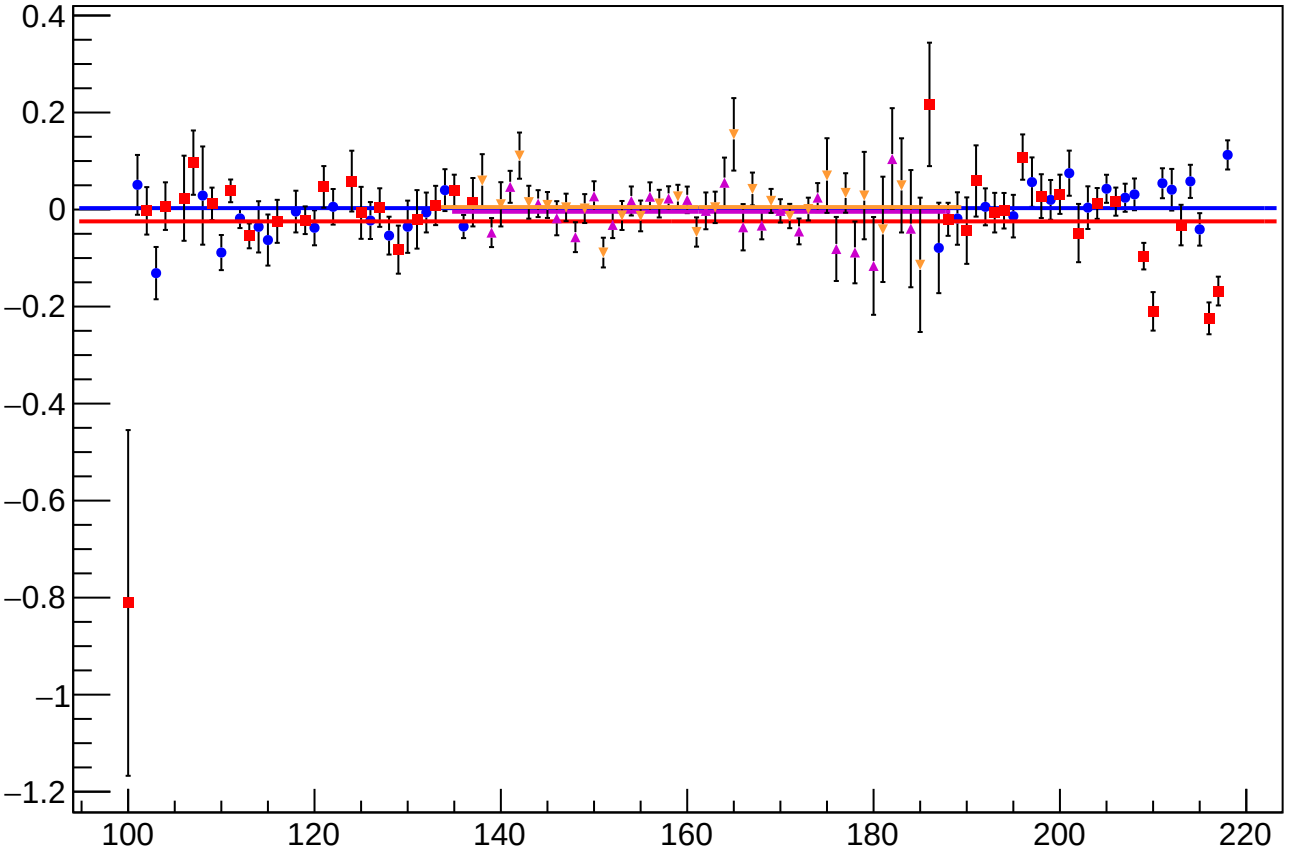
Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

Right: 0.000+/-0.000 χ^2/NDF: 15231144.6/67

In: 0.000+/-0.000 χ^2/NDF:13090905.8/54

Out: 0.000+/-0.000 χ^2/NDF:13789505.7/60

All: 0.000+/-0.000 χ^2/NDF: 26922588.2/115



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: -0.024+/-0.007 χ^2/NDF: 140.0/35

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

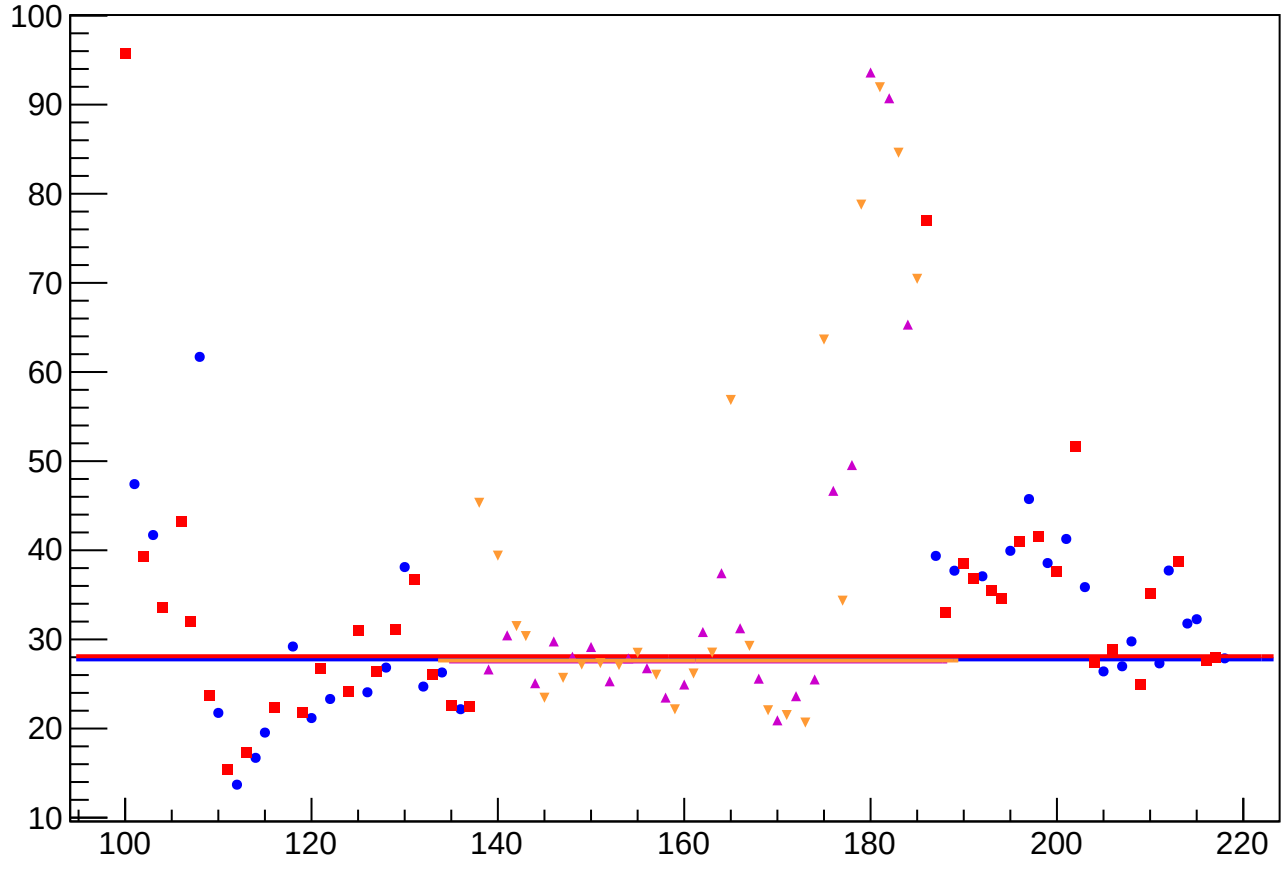
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.011+/-0.005 χ^2/NDF: 201.8/67

In: -0.001+/-0.005 χ^2/NDF:79.0/54

Out: -0.010+/-0.005 χ^2/NDF:178.0/60

All: -0.005+/-0.003 χ^2/NDF: 259.0/115



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: 28.112+/-0.005 χ^2/NDF: 3046266.3/35

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

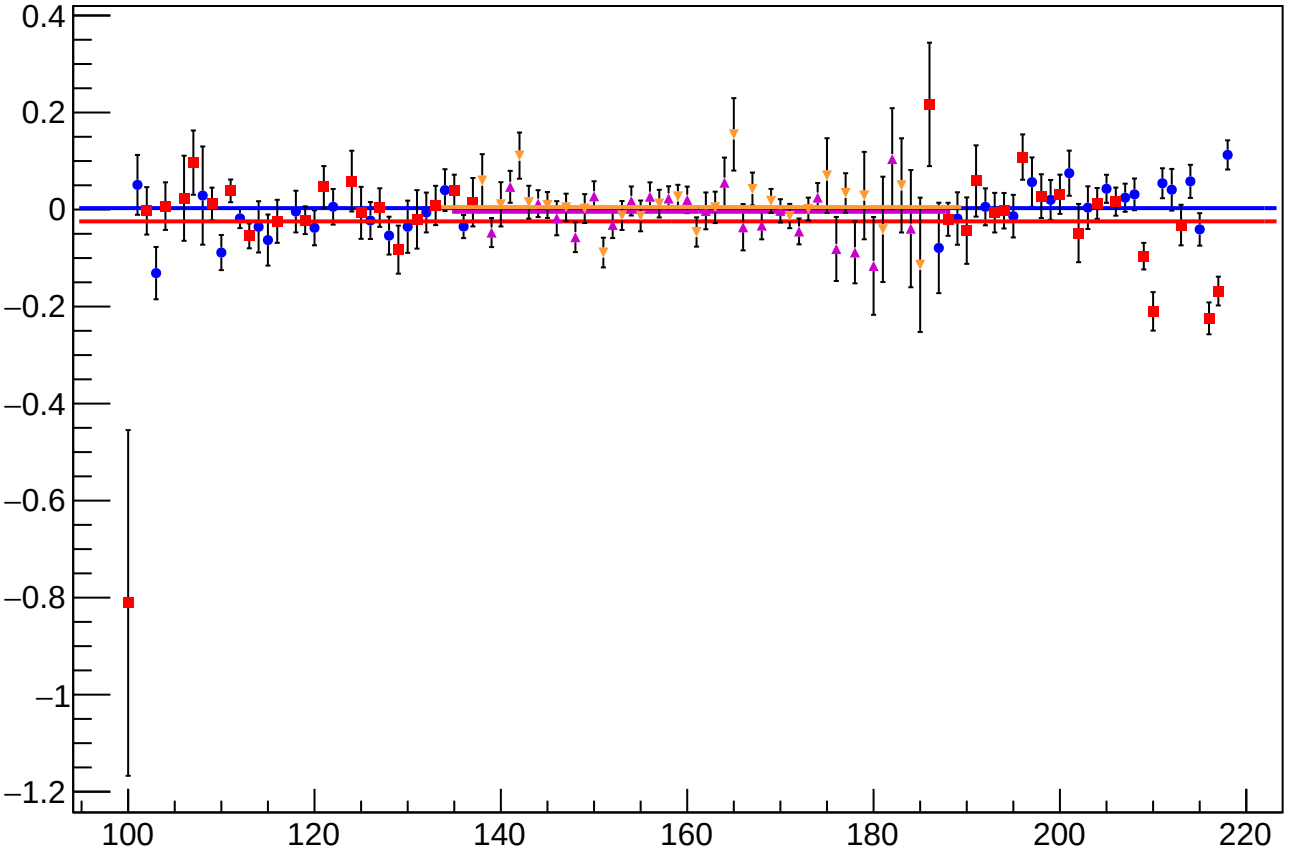
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.936+/-0.003 χ^2/NDF: 6296523.5/67

In: 27.648+/-0.003 χ^2/NDF:5883142.7/54

Out: 27.882+/-0.003 χ^2/NDF:7025377.5/60

All: 27.766+/-0.002 χ^2/NDF: 12910920.4/115



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: -0.024+/-0.007 χ^2/NDF: 140.0/35

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

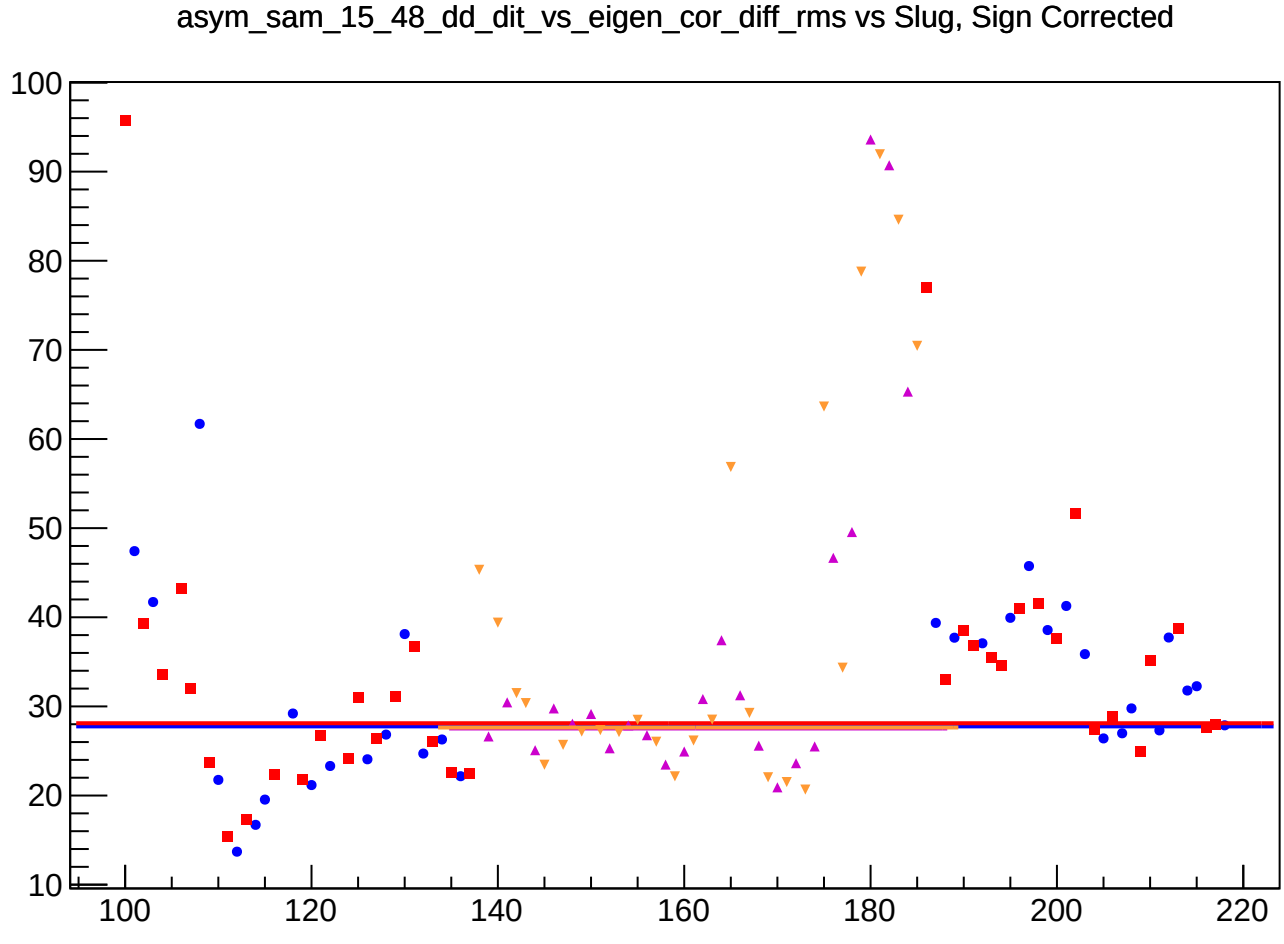
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.011+/-0.005 χ^2/NDF: 201.8/67

In: -0.001+/-0.005 χ^2/NDF:79.0/54

Out: -0.010+/-0.005 χ^2/NDF:178.0/60

All: -0.005+/-0.003 χ^2/NDF: 259.0/115



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: 28.112+/-0.005 χ^2/NDF: 3046266.3/35

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

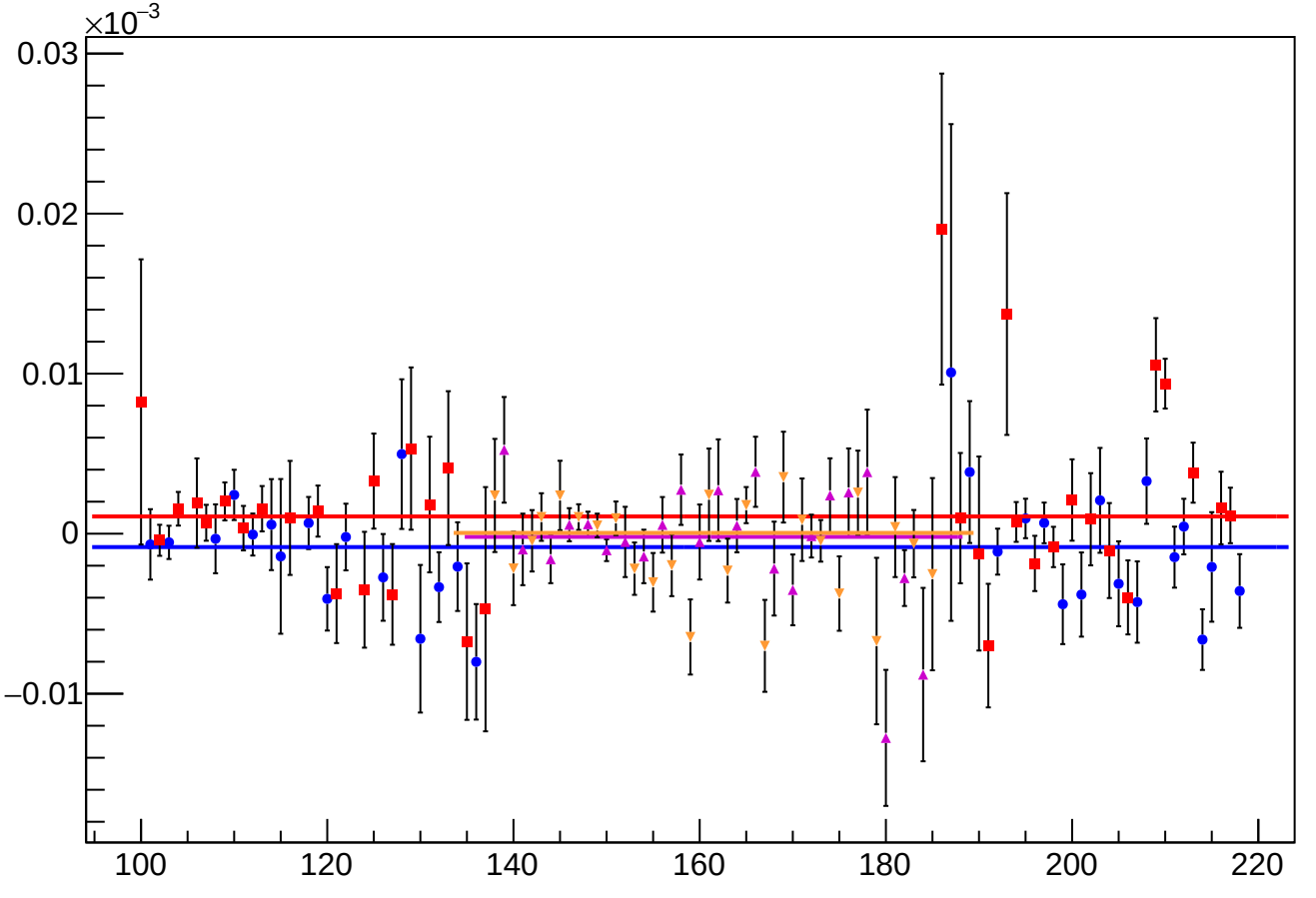
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.936+/-0.003 χ^2/NDF: 6296523.5/67

In: 27.648+/-0.003 χ^2/NDF:5883142.7/54

Out: 27.882+/-0.003 χ^2/NDF:7025377.5/60

All: 27.766+/-0.002 χ^2/NDF: 12910920.4/115



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: 78.5/35

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

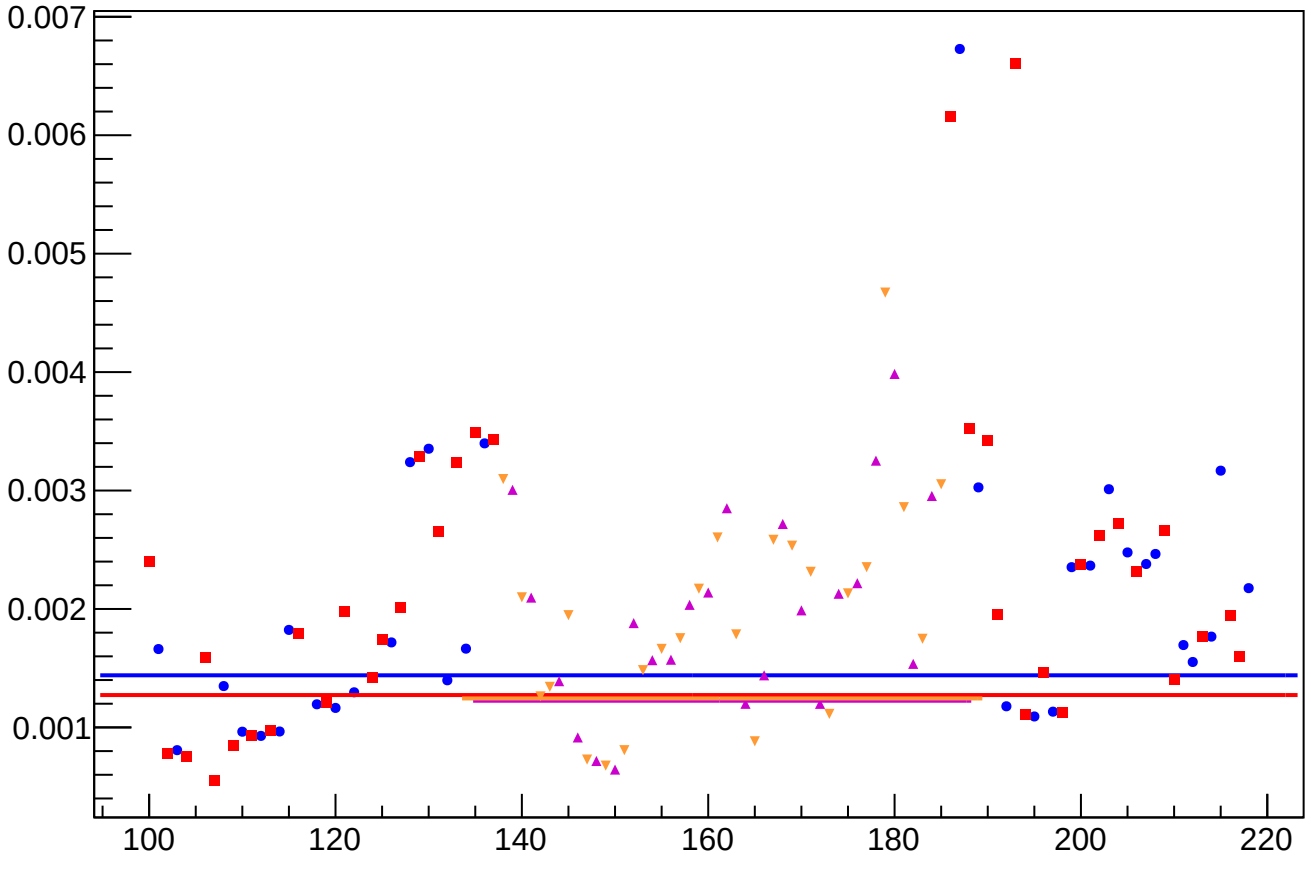
Right: 0.000+/-0.000 χ^2/NDF: 137.6/67

In: -0.000+/-0.000 χ^2/NDF:78.5/54

Out: 0.000+/-0.000 χ^2/NDF:120.4/60

All: 0.000+/-0.000 χ^2/NDF: 208.8/115

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: 9181334.2/35

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

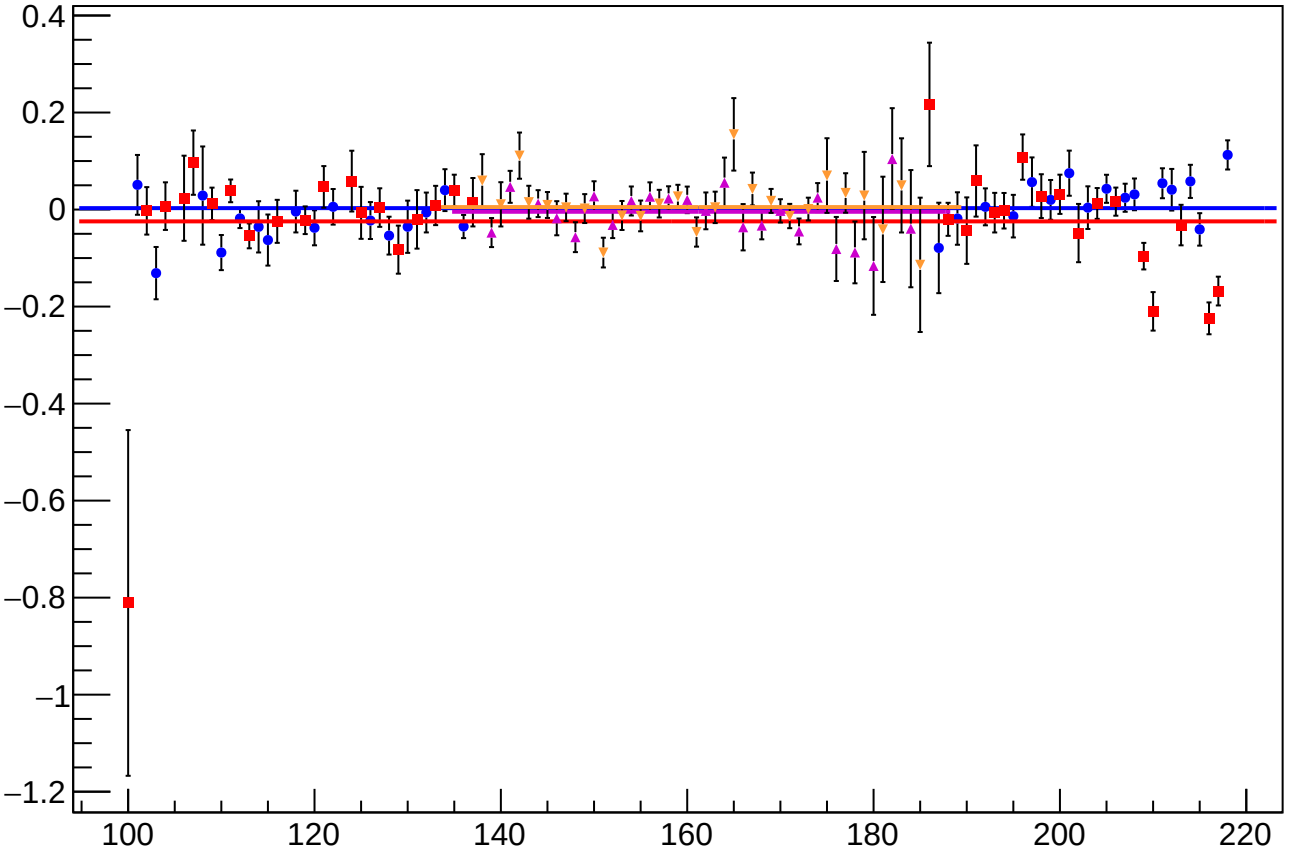
Right: 0.001+/-0.000 χ^2/NDF: 15594109.6/67

In: 0.001+/-0.000 χ^2/NDF:14385935.9/54

Out: 0.001+/-0.000 χ^2/NDF:17530163.8/60

All: 0.001+/-0.000 χ^2/NDF: 31993116.8/115

asym_sam_15_48_dd_eigen_dit_vs_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: -0.024+/-0.007 χ^2/NDF: 140.0/35

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

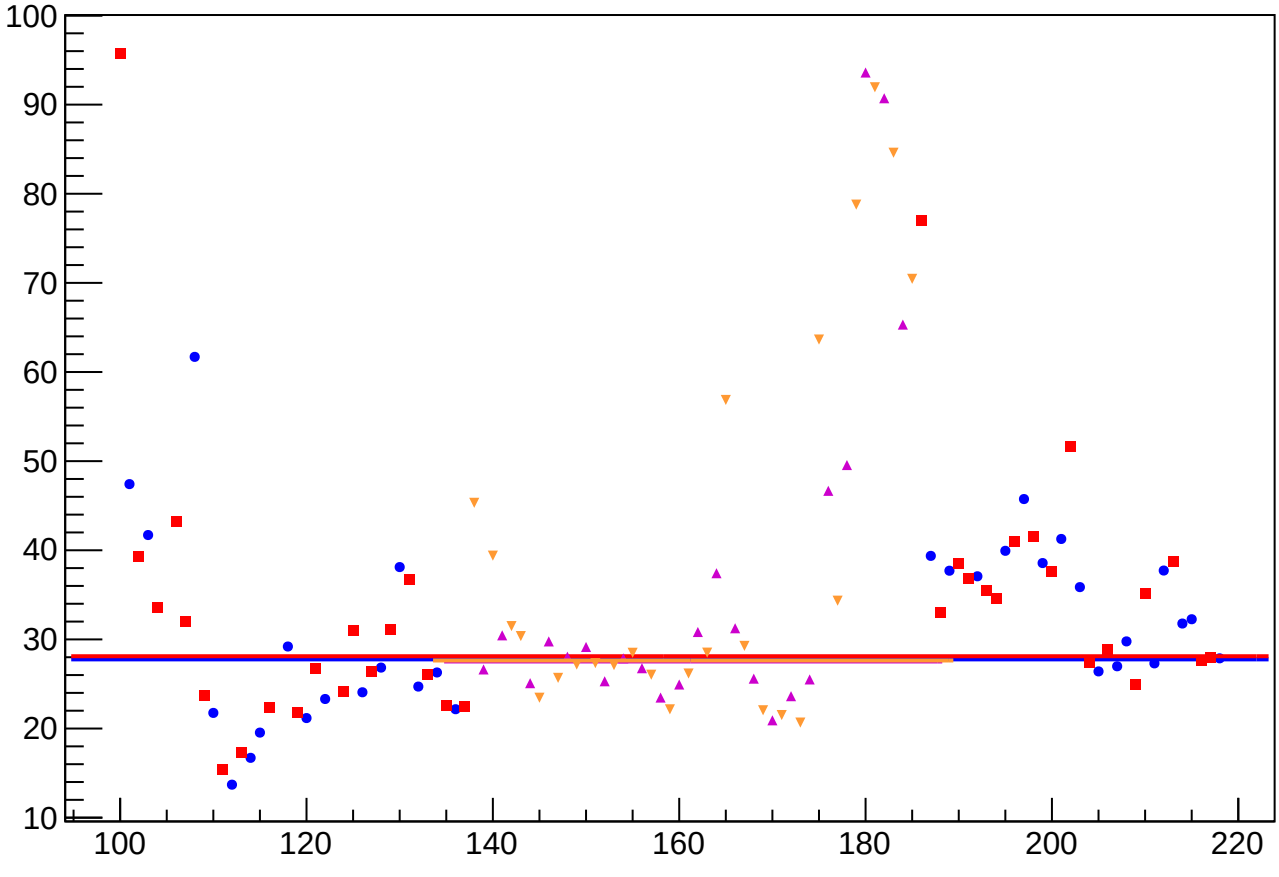
Right: -0.011+/-0.005 χ^2/NDF: 201.7/67

In: -0.001+/-0.005 χ^2/NDF:79.0/54

Out: -0.010+/-0.005 χ^2/NDF:178.0/60

All: -0.005+/-0.003 χ^2/NDF: 259.0/115

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: 28.112+/-0.005 χ^2/NDF: 3046360.7/35

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

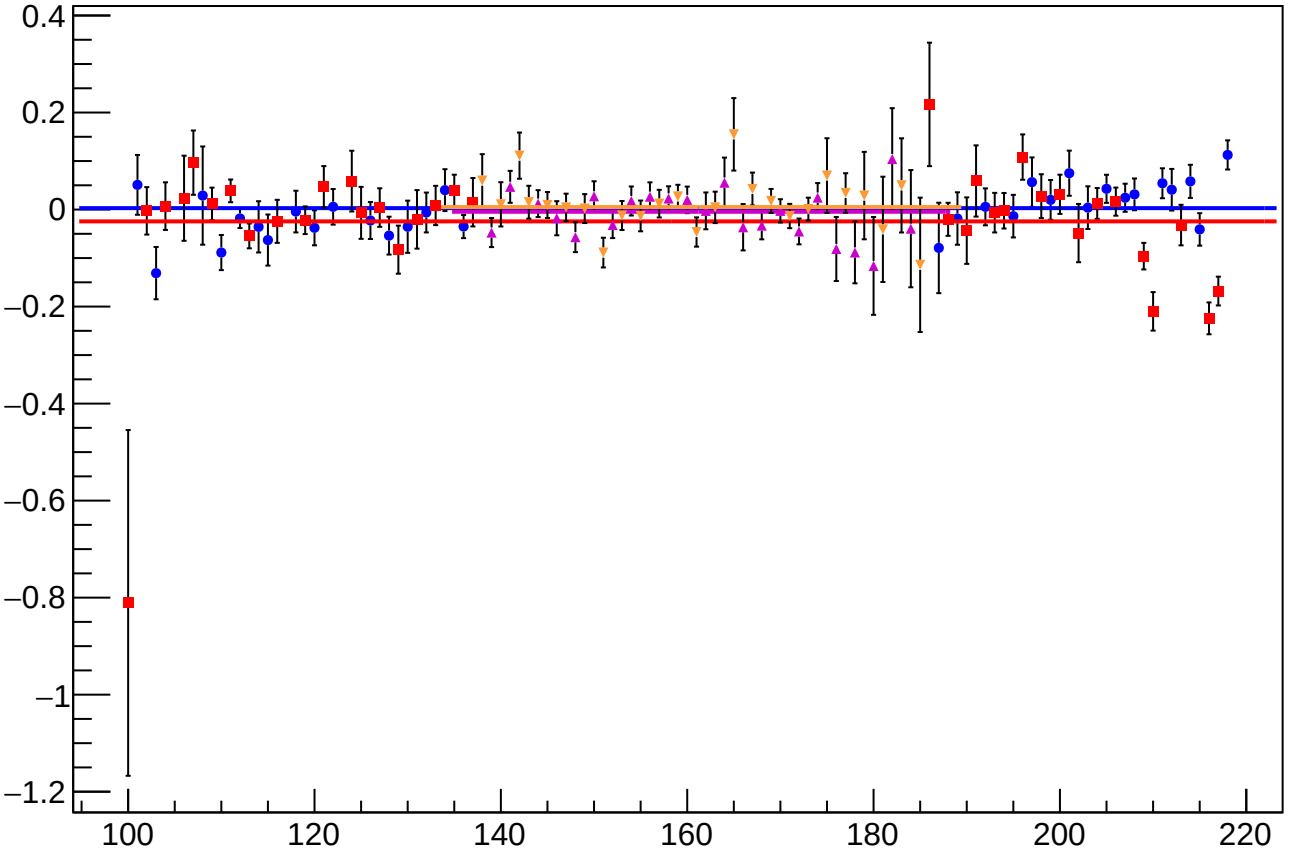
Right: 27.936+/-0.003 χ^2/NDF: 6296596.0/67

In: 27.648+/-0.003 χ^2/NDF:5883085.6/54

Out: 27.882+/-0.003 χ^2/NDF:7025404.7/60

All: 27.766+/-0.002 χ^2/NDF: 12910892.2/115

asym_sam_15_48_dd_eigen_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: -0.024+/-0.007 χ^2/NDF: 140.0/35

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

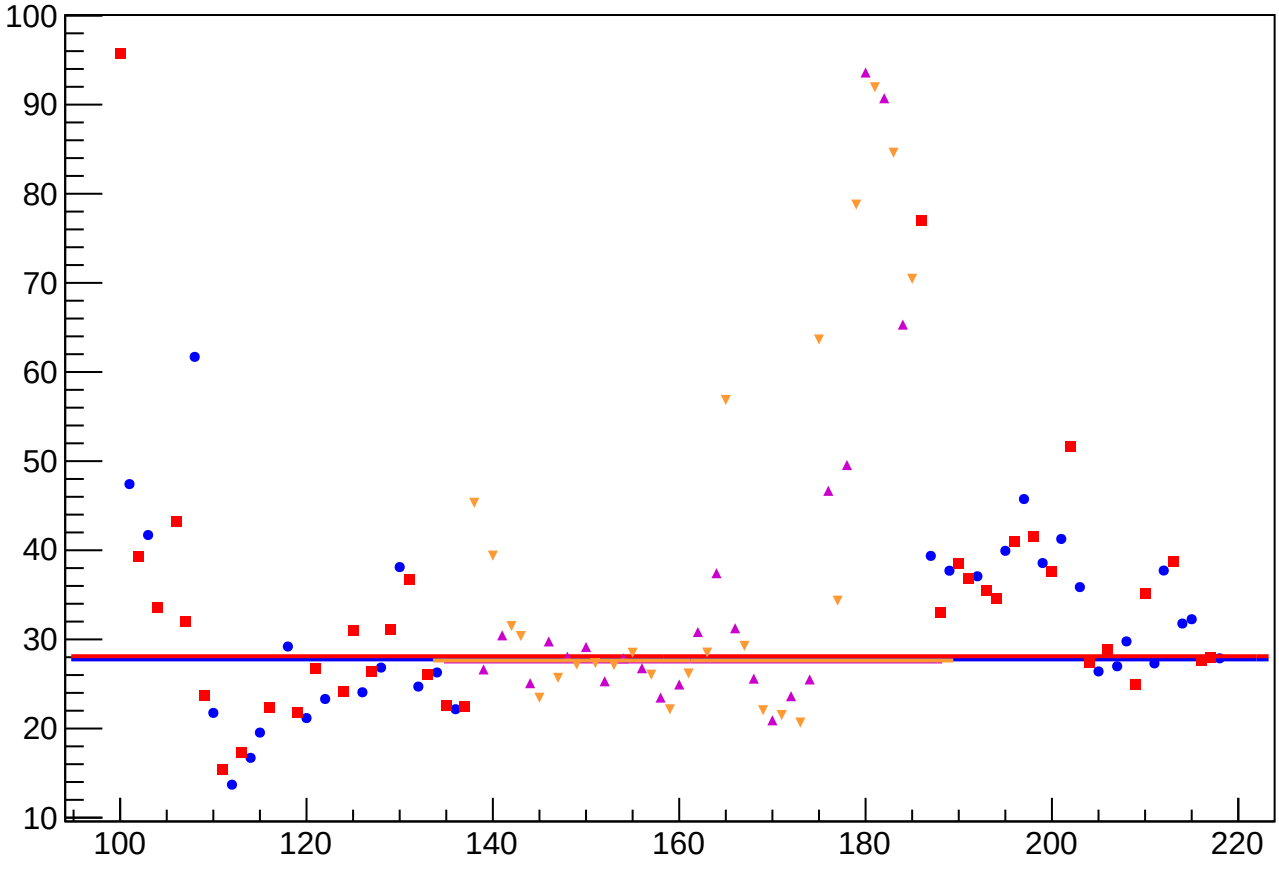
Right: -0.011+/-0.005 χ^2/NDF: 201.7/67

In: -0.001+/-0.005 χ^2/NDF:79.0/54

Out: -0.010+/-0.005 χ^2/NDF:178.0/60

All: -0.005+/-0.003 χ^2/NDF: 259.0/115

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: 28.112+/-0.005 χ^2/NDF: 3046360.7/35

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

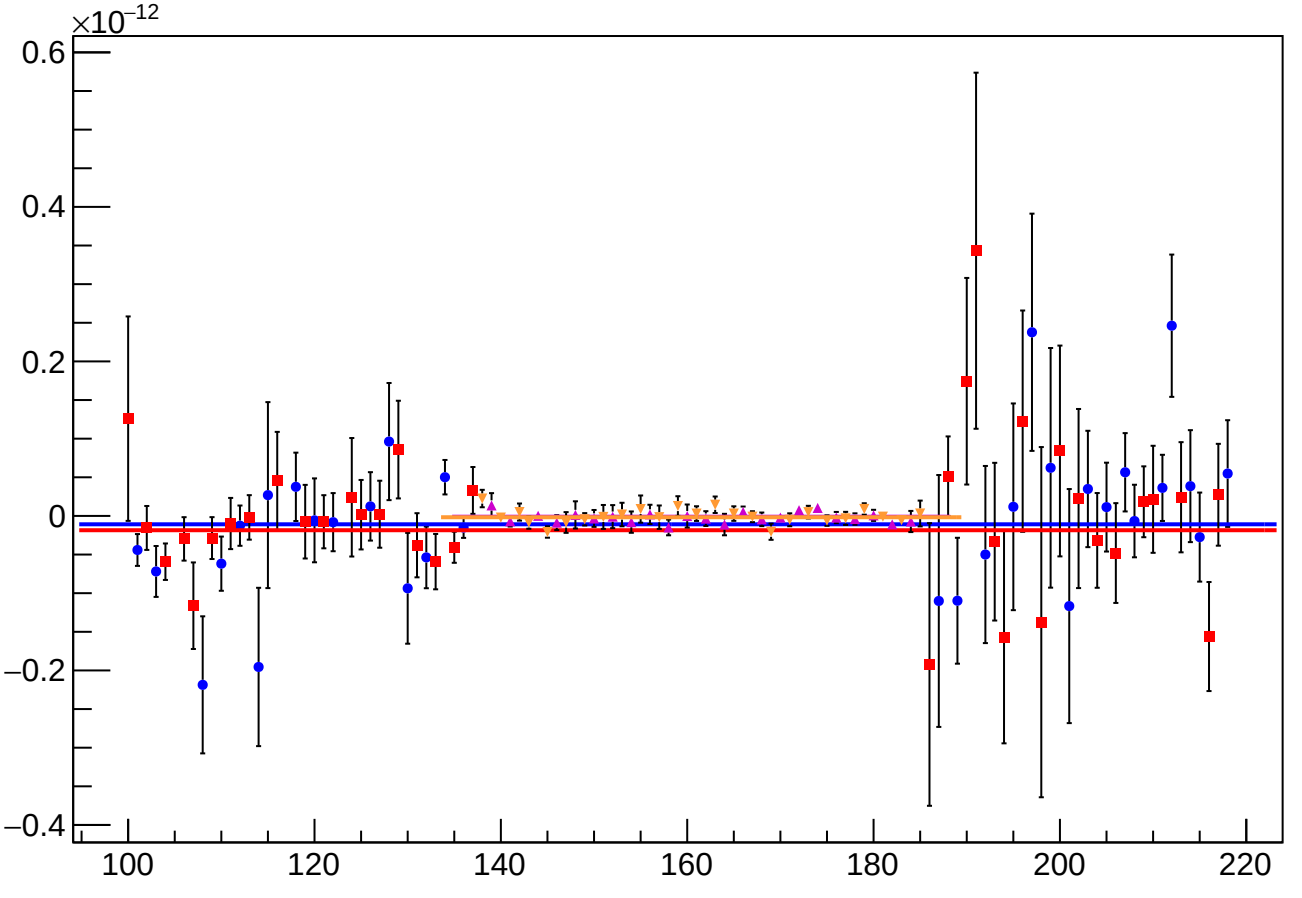
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.936+/-0.003 χ^2/NDF: 6296596.0/67

In: 27.648+/-0.003 χ^2/NDF:5883085.6/54

Out: 27.882+/-0.003 χ^2/NDF:7025404.7/60

All: 27.766+/-0.002 χ^2/NDF: 12910892.2/115



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: 34.3/35

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

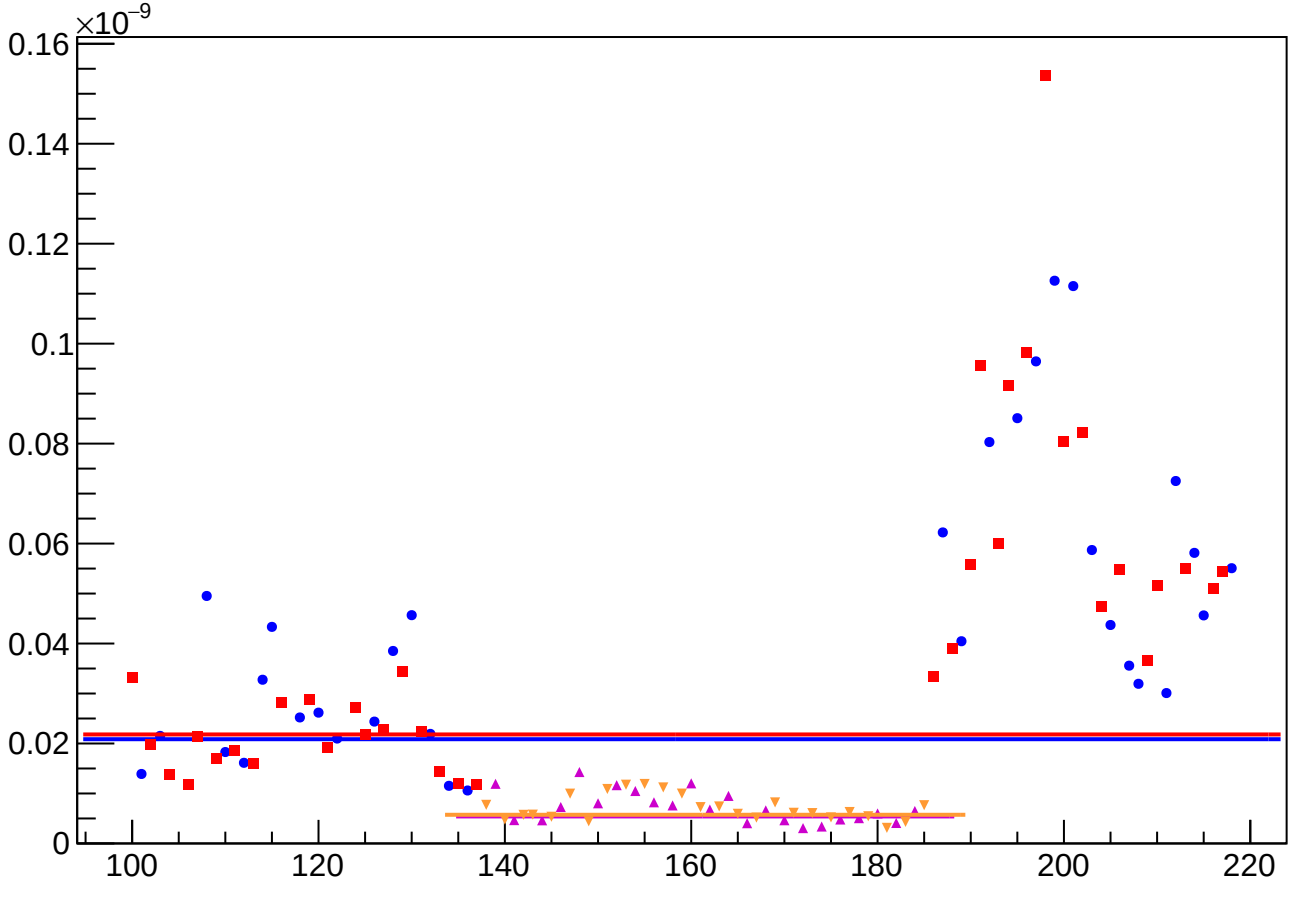
Right: -0.000+/-0.000 χ^2/NDF: 83.4/67

In: -0.000+/-0.000 χ^2/NDF:66.9/54

Out: -0.000+/-0.000 χ^2/NDF:63.7/60

All: -0.000+/-0.000 χ^2/NDF: 130.8/115

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 7848386.5/35

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

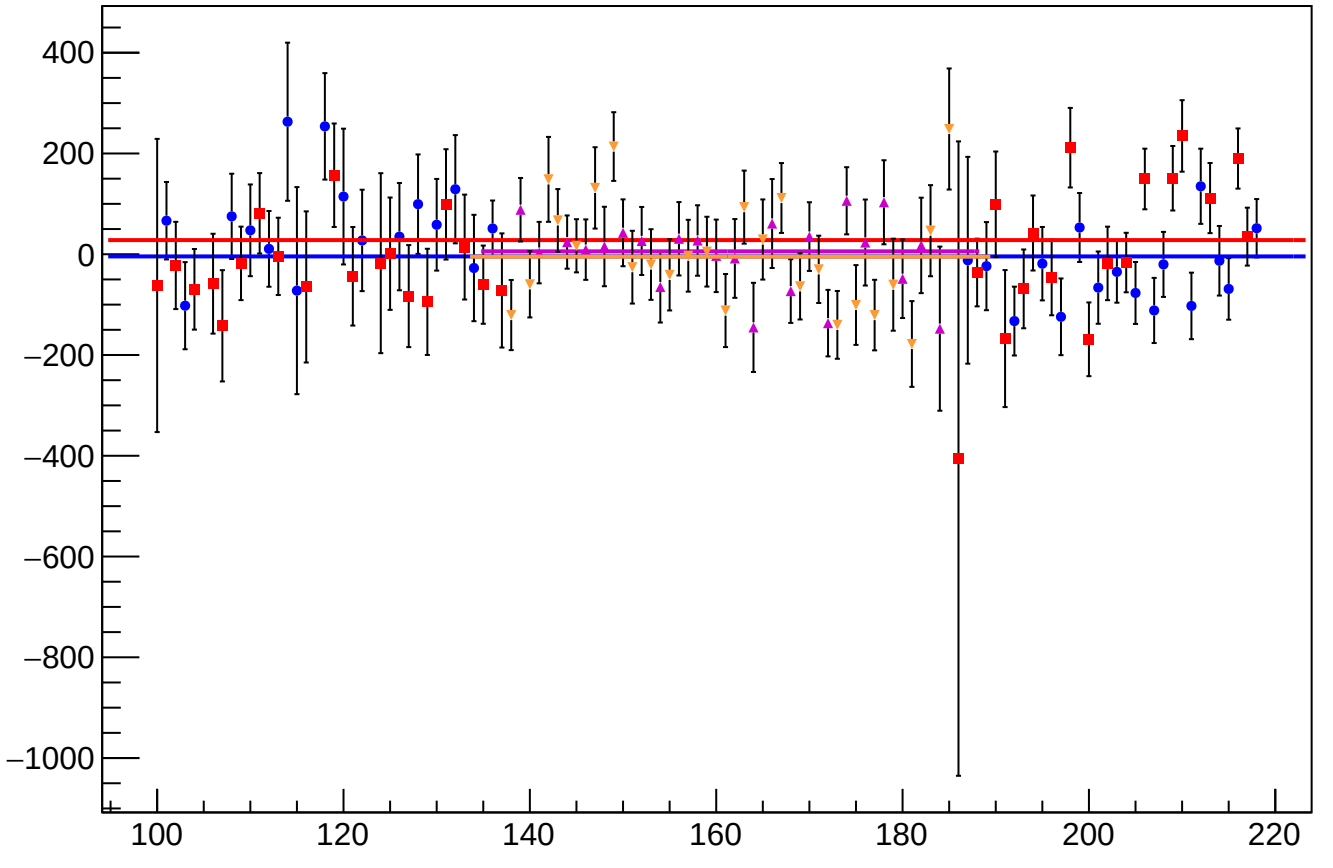
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16775683.1/67

In: 0.000+/-0.000 χ^2/NDF:21286481.8/54

Out: 0.000+/-0.000 χ^2/NDF:19645180.3/60

All: 0.000+/-0.000 χ^2/NDF: 40969661.5/115



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: 28.077+/-13.891 χ^2/NDF: 58.9/35

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

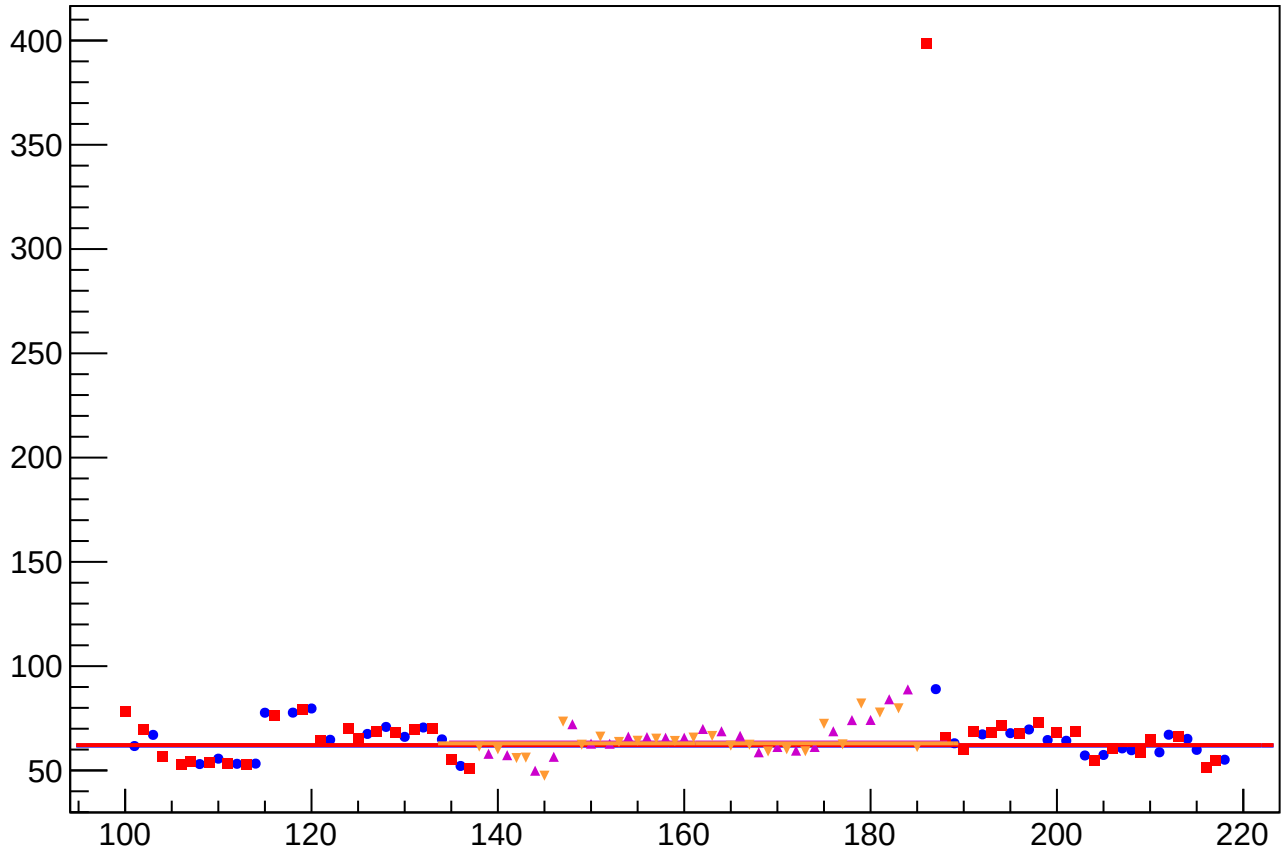
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: 11.860+/-9.816 χ^2/NDF: 98.9/67

In: 0.360+/-10.163 χ^2/NDF:55.8/54

Out: 12.294+/-10.008 χ^2/NDF:108.9/60

All: 6.419+/-7.131 χ^2/NDF: 165.4/115



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: 62.156+/-0.010 χ^2/NDF: 1138684.1/35

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

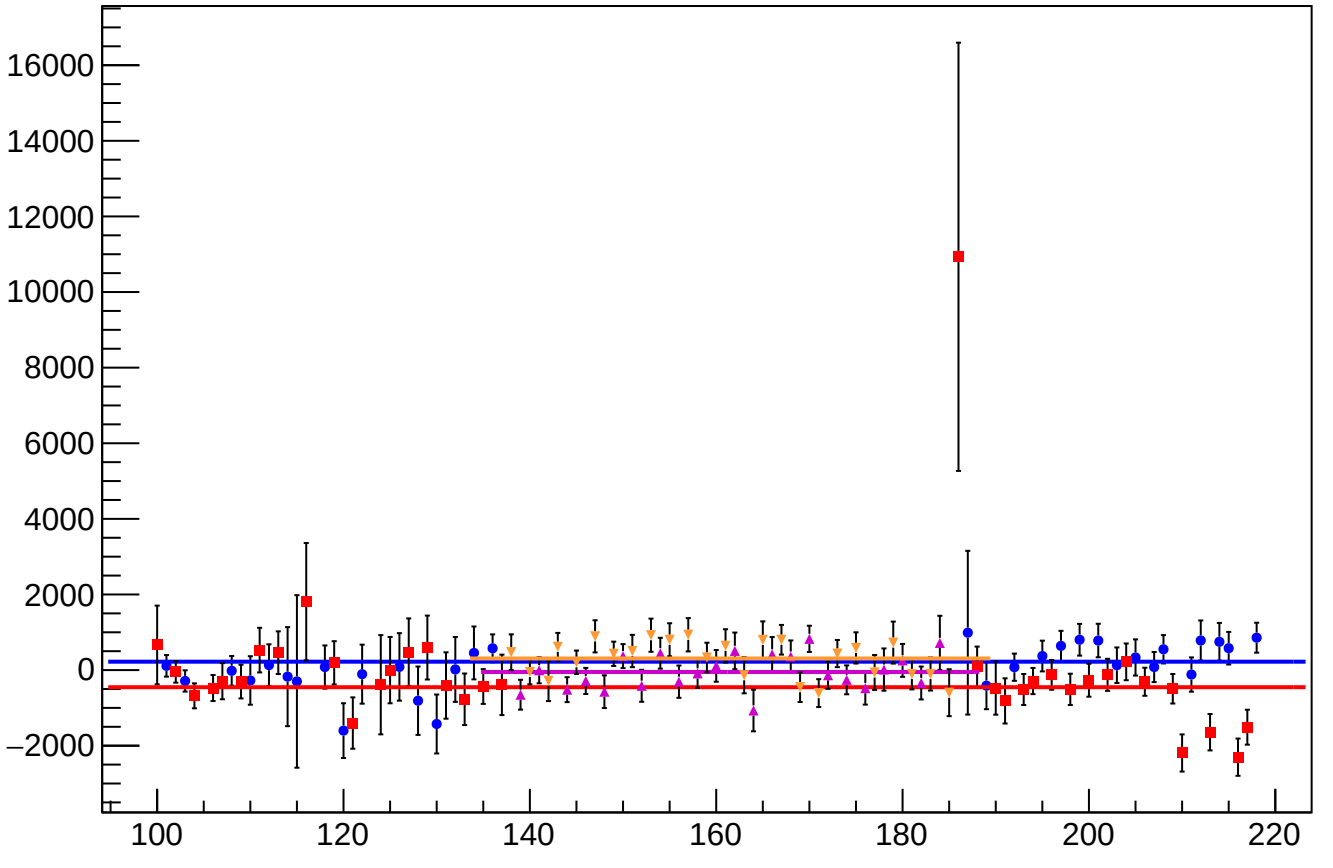
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 62.029+/-0.007 χ^2/NDF: 1567304.5/67

In: 62.580+/-0.007 χ^2/NDF:935522.6/54

Out: 62.550+/-0.007 χ^2/NDF:1668895.9/60

All: 62.565+/-0.005 χ^2/NDF: 2604427.1/115



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: -452.642+/-82.368 χ^2/NDF: 65.0/35

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

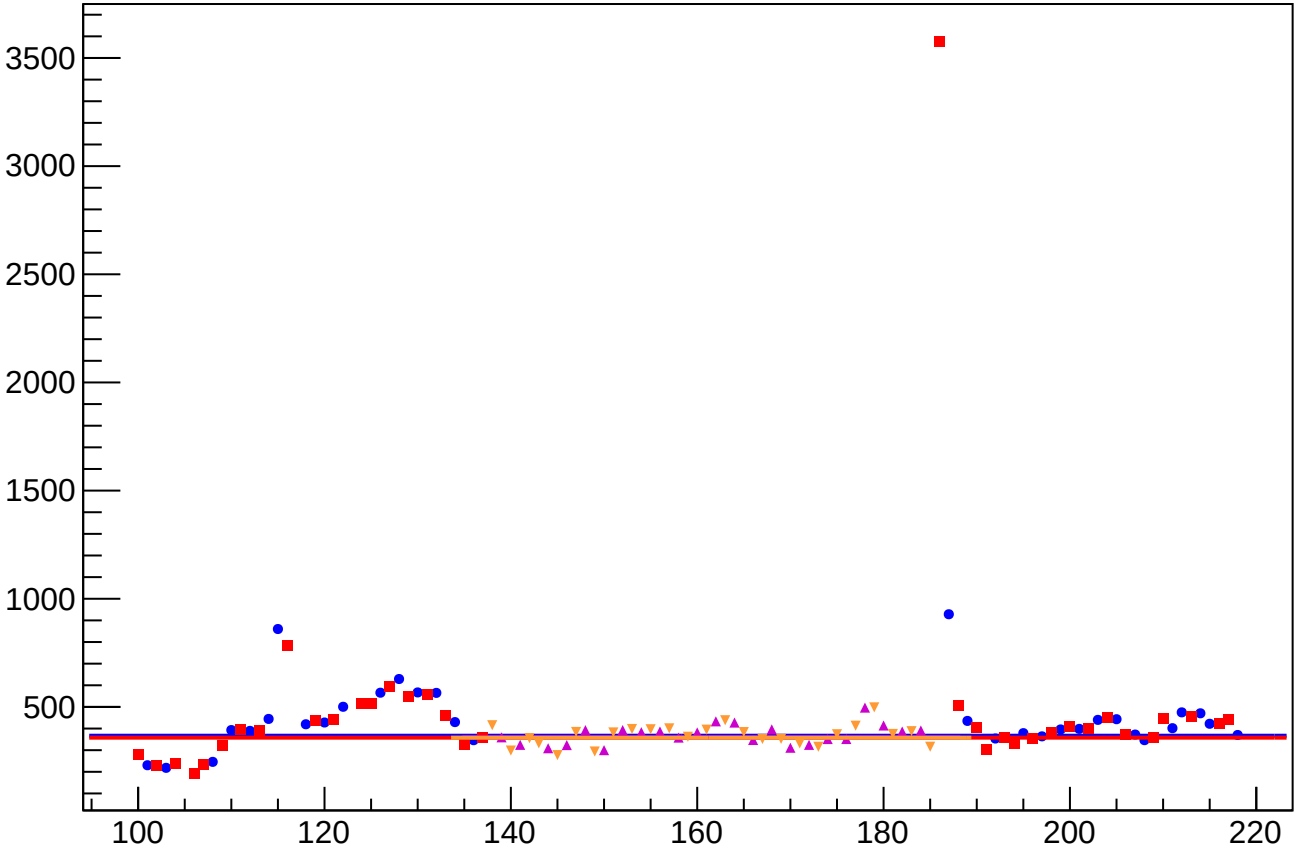
Right: -124.345+/-59.023 χ^2/NDF: 128.8/67

In: 86.405+/-59.912 χ^2/NDF:63.6/54

Out: -72.697+/-58.241 χ^2/NDF:138.2/60

All: 4.604+/-41.761 χ^2/NDF: 205.4/115

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: 357.898+/-0.058 χ^2/NDF: 3272159.6/35

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

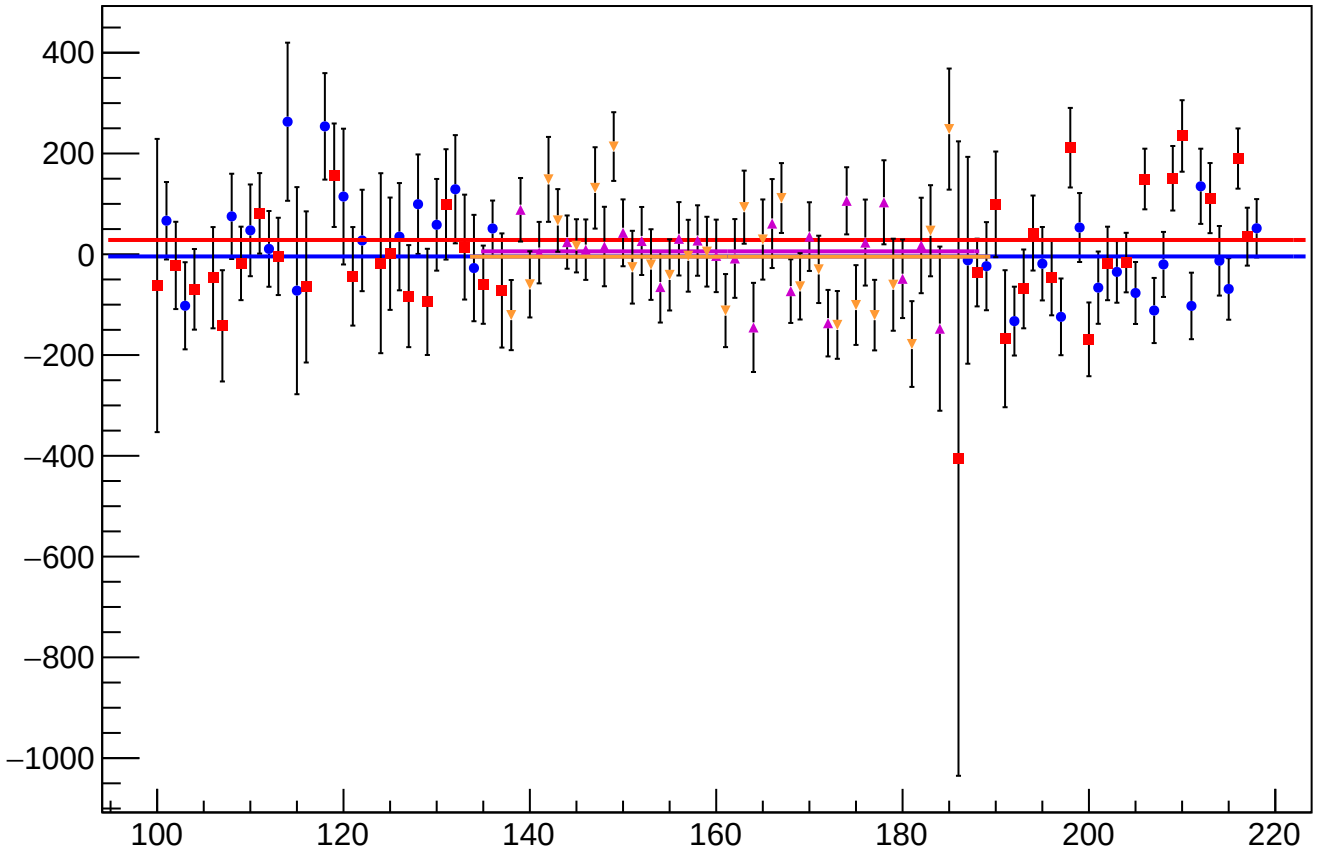
Right: 362.256+/-0.042 χ^2/NDF: 5718040.3/67

In: 363.112+/-0.042 χ^2/NDF:2961980.4/54

Out: 357.815+/-0.041 χ^2/NDF:3955894.1/60

All: 360.389+/-0.030 χ^2/NDF: 6925913.7/115

cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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: 28.355+/-13.894 χ^2/NDF: 58.7/35

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

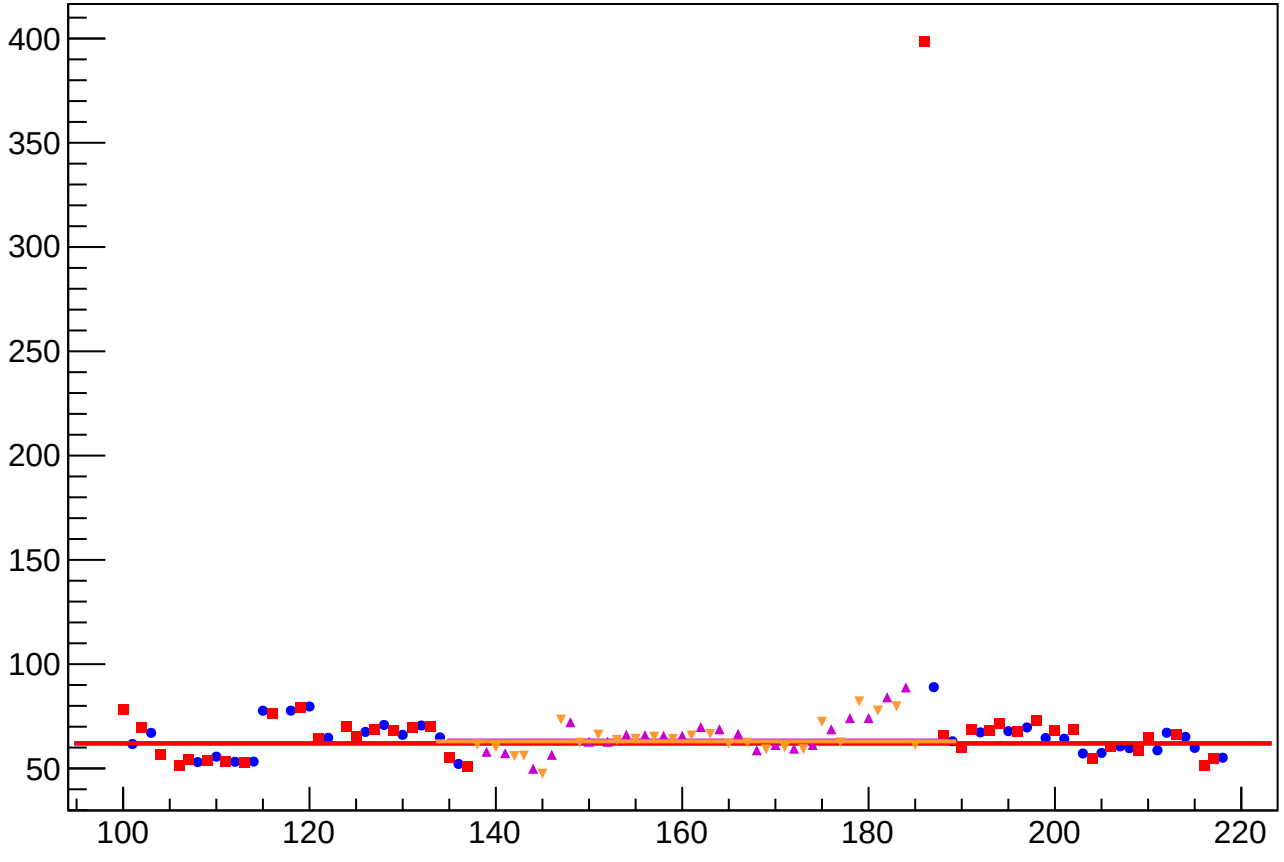
Right: 11.992+/-9.817 χ^2/NDF: 98.7/67

In: 0.357+/-10.163 χ^2/NDF:55.9/54

Out: 12.431+/-10.009 χ^2/NDF:108.7/60

All: 6.486+/-7.131 χ^2/NDF: 165.3/115

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: 62.141+/-0.010 χ^2/NDF: 1142457.3/35

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

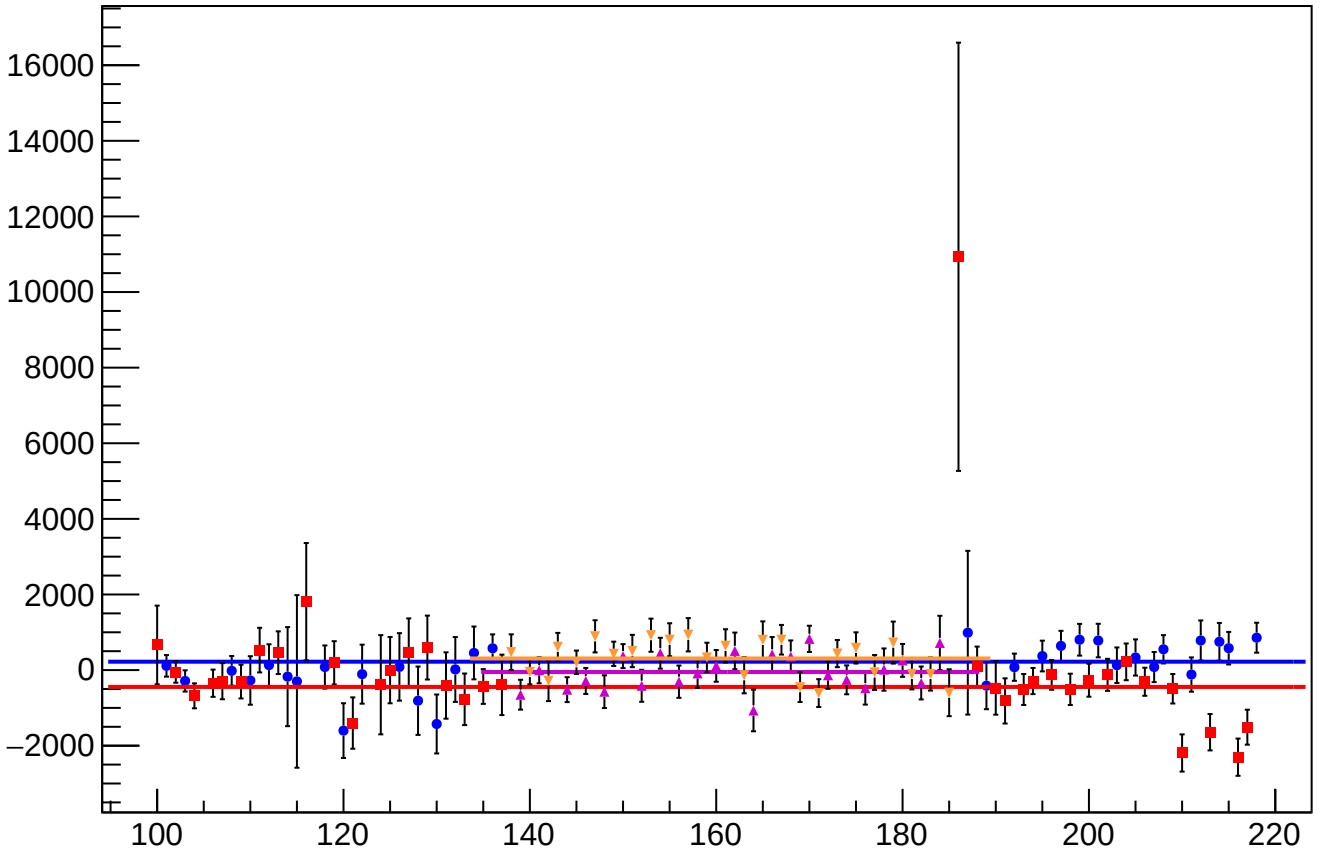
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 62.021+/-0.007 χ^2/NDF: 1571039.9/67

In: 62.580+/-0.007 χ^2/NDF:935522.8/54

Out: 62.543+/-0.007 χ^2/NDF:1672790.2/60

All: 62.561+/-0.005 χ^2/NDF: 2608326.6/115



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: -446.033+/-82.579 χ^2/NDF: 65.0/35

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

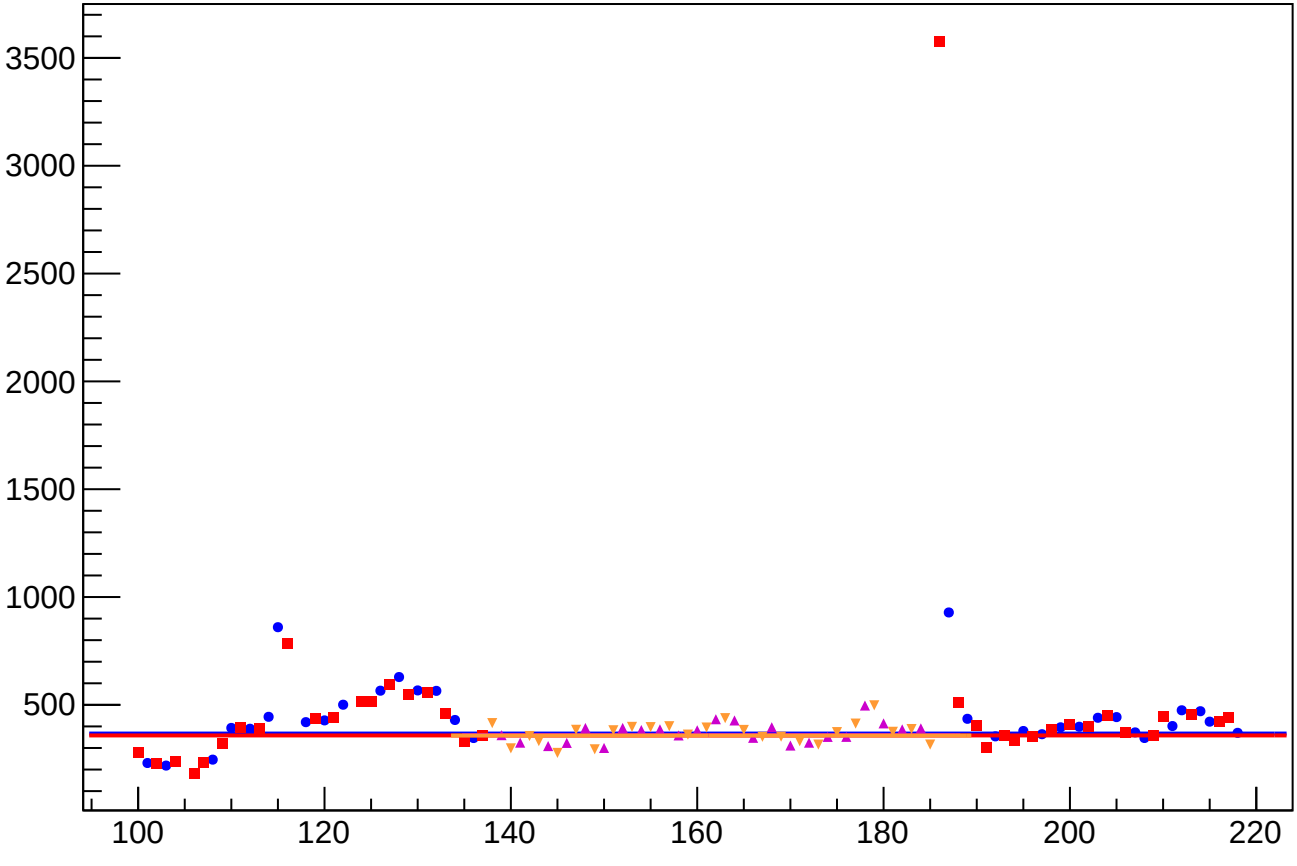
Right: -120.099+/-59.100 χ^2/NDF: 128.1/67

In: 86.408+/-59.912 χ^2/NDF:63.6/54

Out: -68.436+/-58.315 χ^2/NDF:137.4/60

All: 6.895+/-41.788 χ^2/NDF: 204.4/115

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: 358.209+/-0.058 χ^2/NDF: 3285438.5/35

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

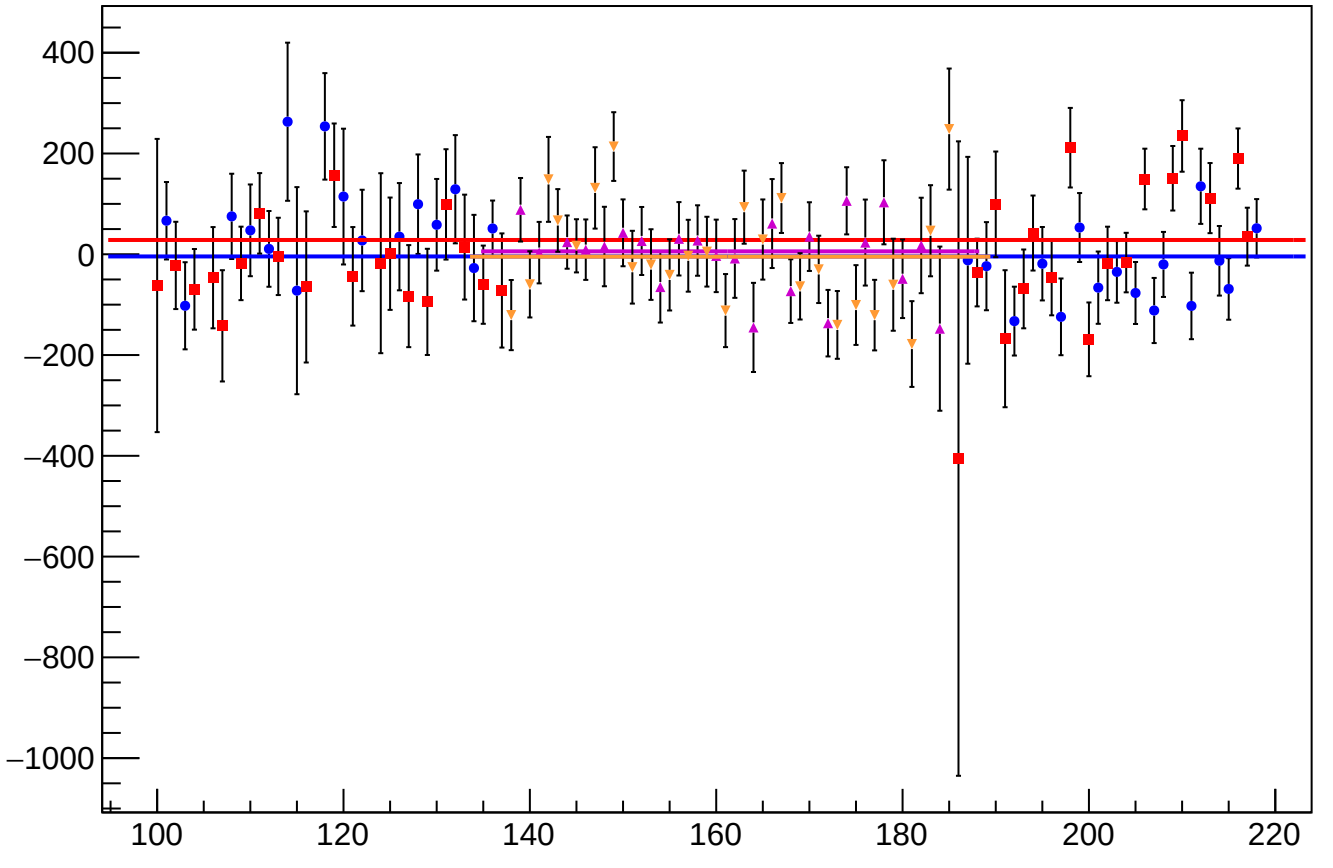
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 362.427+/-0.042 χ^2/NDF: 5730420.3/67

In: 363.113+/-0.042 χ^2/NDF:2961894.8/54

Out: 357.970+/-0.041 χ^2/NDF:3969198.4/60

All: 360.472+/-0.030 χ^2/NDF: 6938662.3/115



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: 28.355+/-13.894 χ^2/NDF: 58.7/35

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

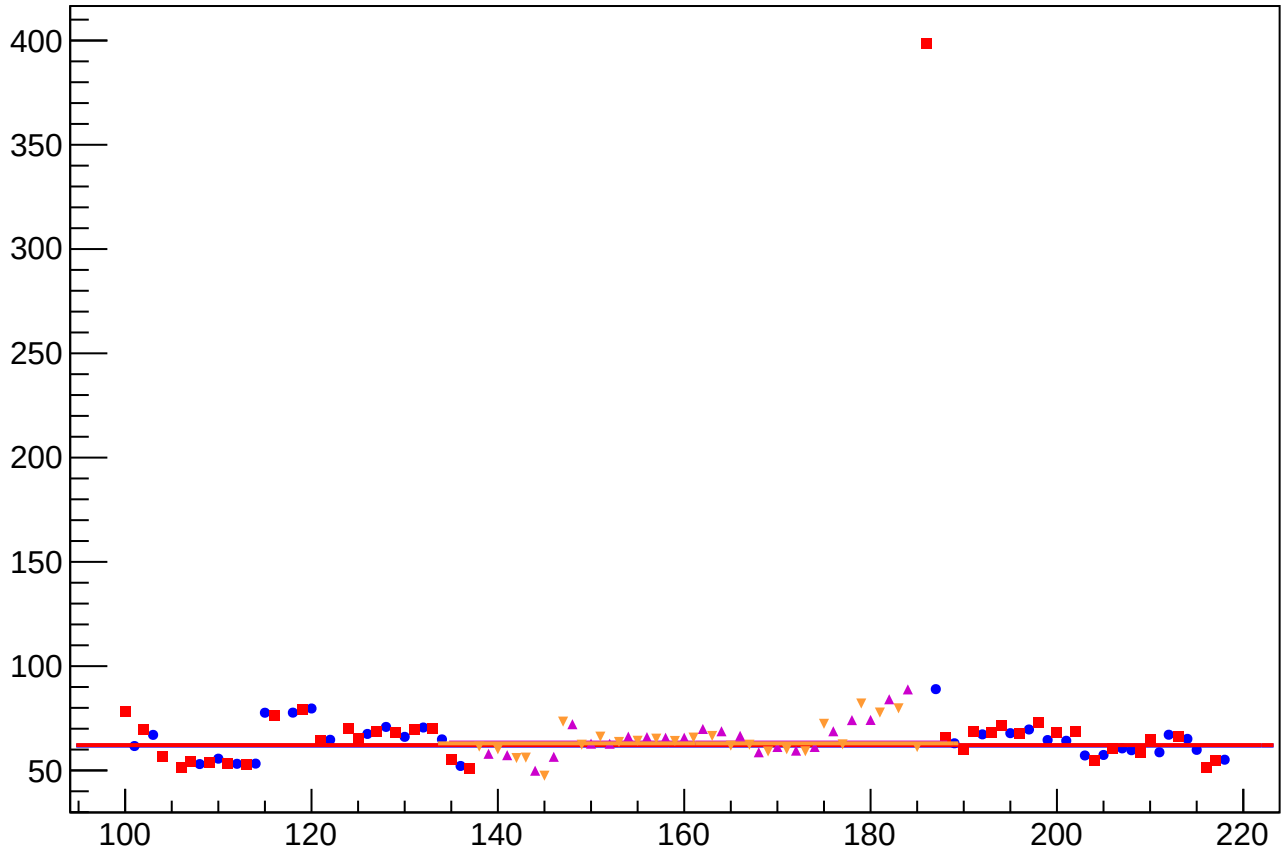
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 11.992+/-9.817 χ^2/NDF: 98.7/67

In: 0.357+/-10.163 χ^2/NDF:55.9/54

Out: 12.431+/-10.009 χ^2/NDF:108.7/60

All: 6.486+/-7.131 χ^2/NDF: 165.3/115



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: 62.141+/-0.010 χ^2/NDF: 1142457.3/35

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

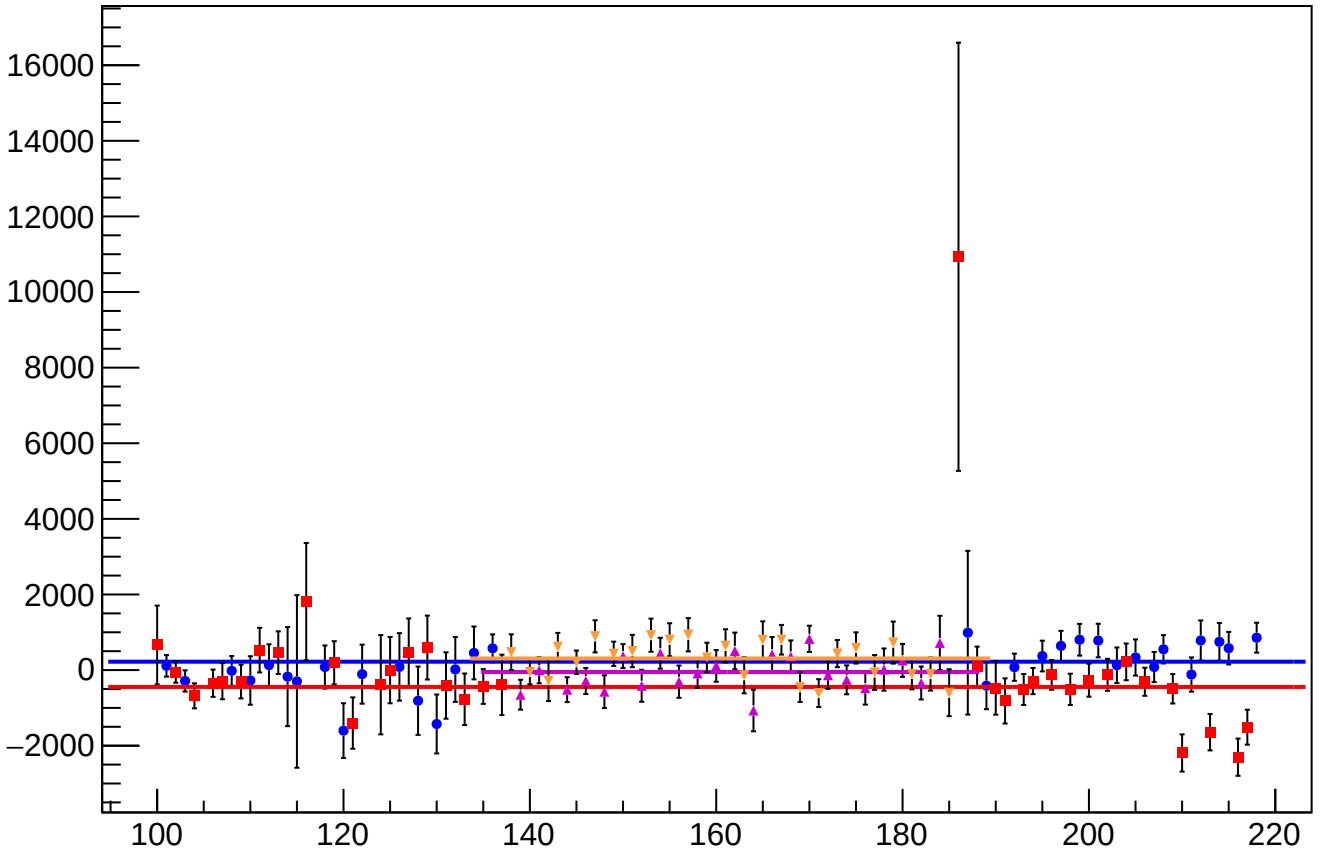
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 62.021+/-0.007 χ^2/NDF: 1571039.9/67

In: 62.580+/-0.007 χ^2/NDF:935522.8/54

Out: 62.543+/-0.007 χ^2/NDF:1672790.2/60

All: 62.561+/-0.005 χ^2/NDF: 2608326.6/115



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: -446.033+/-82.579 χ^2/NDF: 65.0/35

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

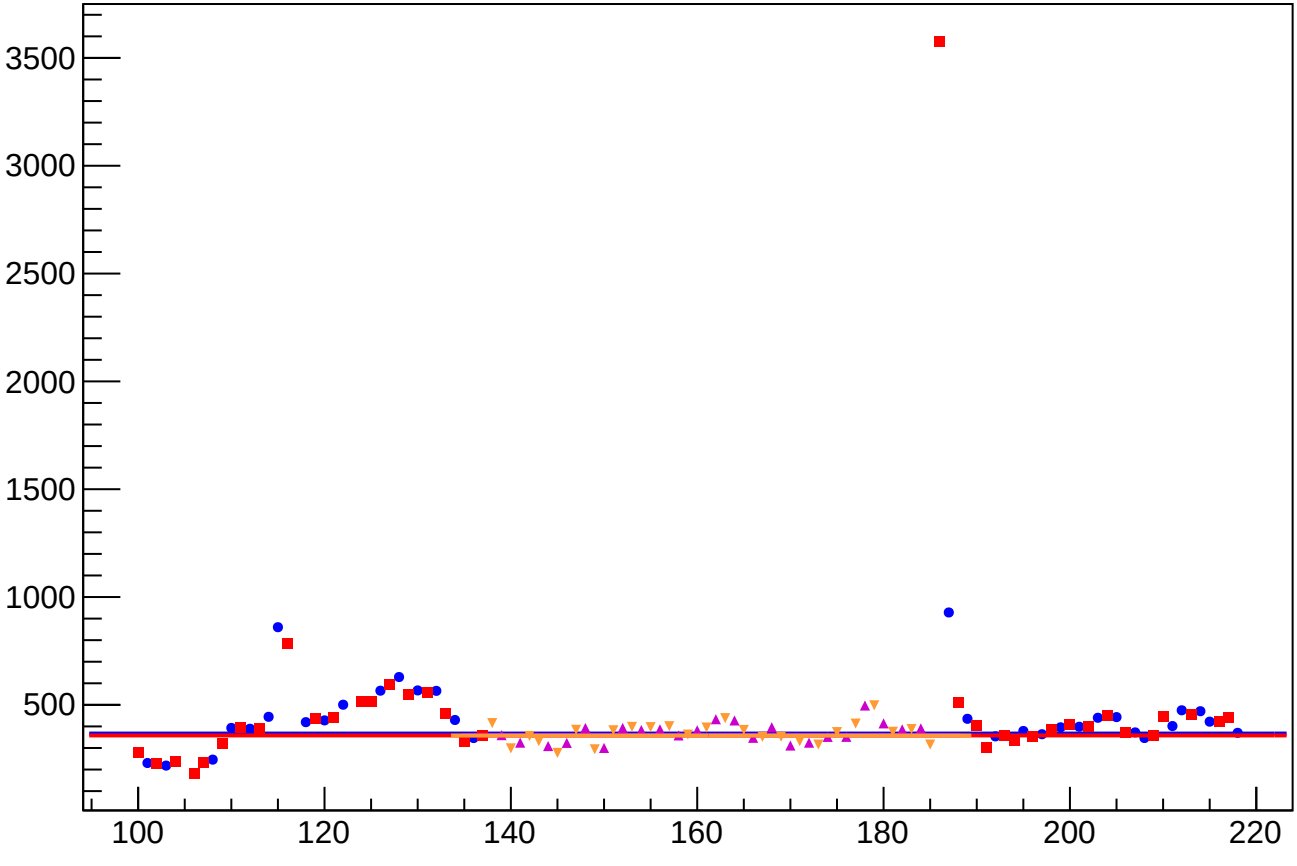
Right: -120.099+/-59.100 χ^2/NDF: 128.1/67

In: 86.408+/-59.912 χ^2/NDF:63.6/54

Out: -68.436+/-58.315 χ^2/NDF:137.4/60

All: 6.895+/-41.788 χ^2/NDF: 204.4/115

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: 358.209+/-0.058 χ^2/NDF: 3285438.5/35

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

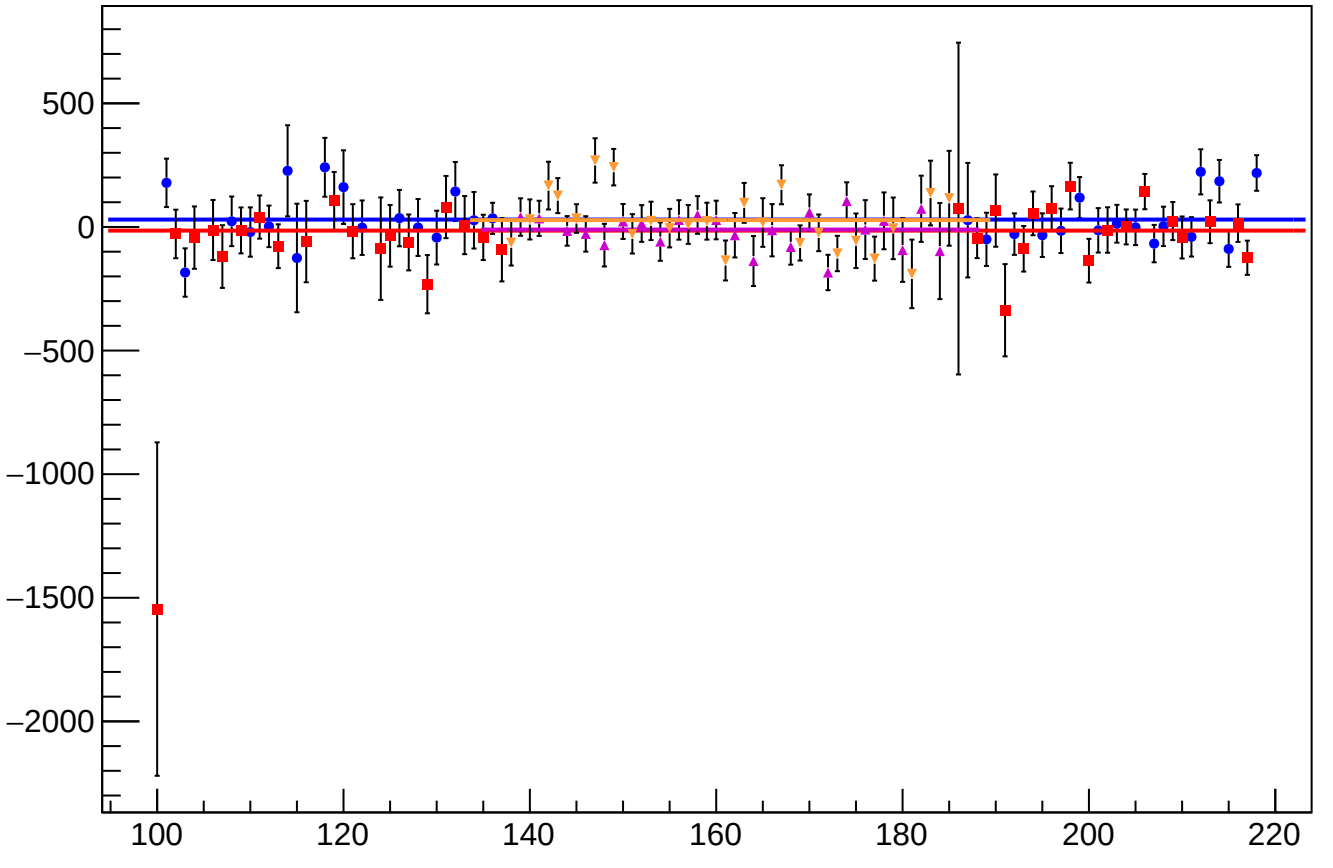
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 362.427+/-0.042 χ^2/NDF: 5730420.3/67

In: 363.113+/-0.042 χ^2/NDF:2961894.8/54

Out: 357.970+/-0.041 χ^2/NDF:3969198.4/60

All: 360.472+/-0.030 χ^2/NDF: 6938662.3/115



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: -14.720+/-16.673 χ^2/NDF: 32.1/35

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

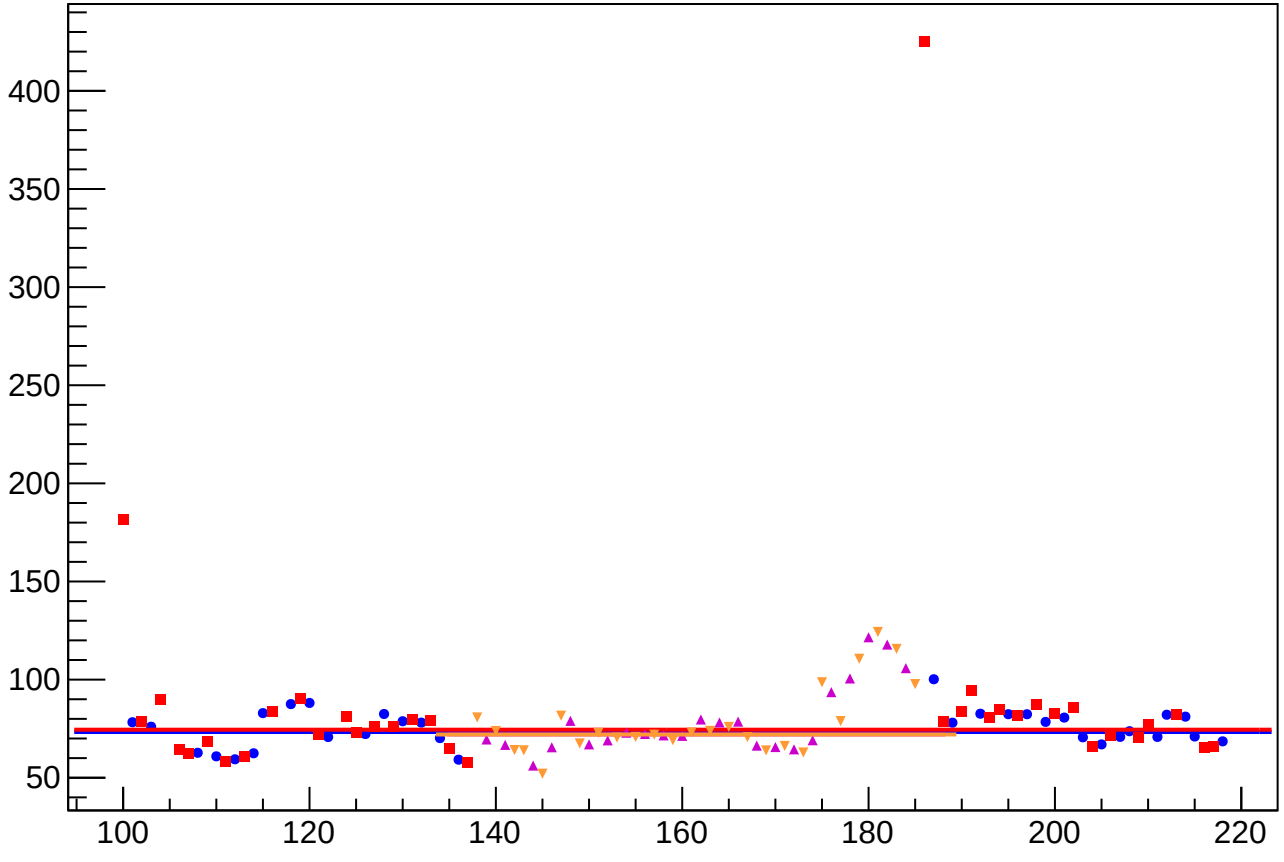
Right: 7.877+/-11.712 χ^2/NDF: 73.5/67

In: 10.605+/-11.899 χ^2/NDF:56.7/54

Out: 6.367+/-11.814 χ^2/NDF:77.6/60

All: 8.471+/-8.384 χ^2/NDF: 134.4/115

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: 74.487+/-0.012 χ^2/NDF: 1183201.9/35

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

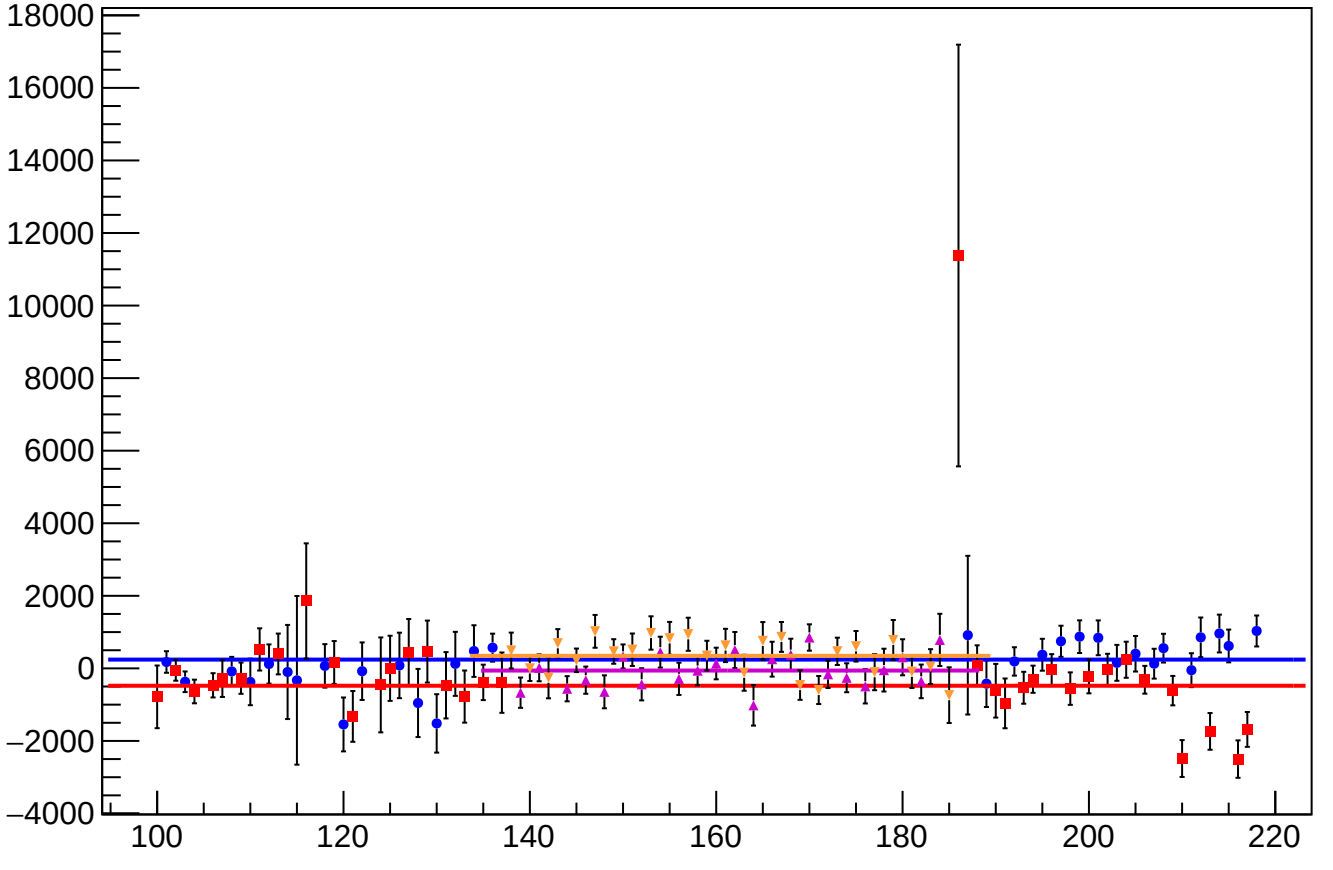
Right: 73.886+/-0.008 χ^2/NDF: 1671758.2/67

In: 72.724+/-0.008 χ^2/NDF:1547429.9/54

Out: 73.269+/-0.008 χ^2/NDF:2474115.5/60

All: 72.998+/-0.006 χ^2/NDF: 4023658.3/115

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: -478.886+/-85.043 χ^2/NDF: 70.0/35

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

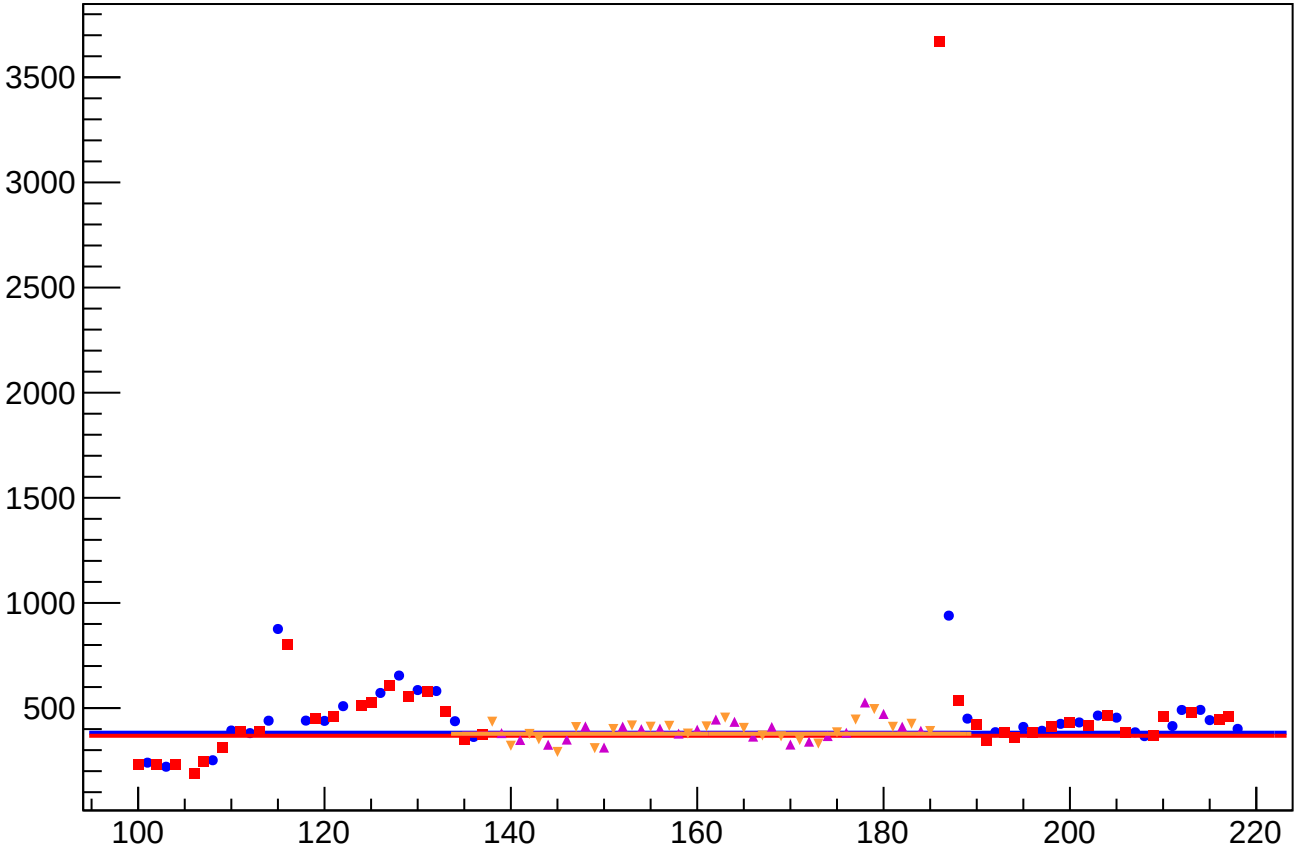
Right: -132.005+/-61.258 χ^2/NDF: 139.0/67

In: 92.943+/-62.831 χ^2/NDF:66.1/54

Out: -74.995+/-60.754 χ^2/NDF:145.0/60

All: 6.152+/-43.675 χ^2/NDF: 214.8/115

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: 368.269+/-0.060 χ^2/NDF: 3582605.7/35

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

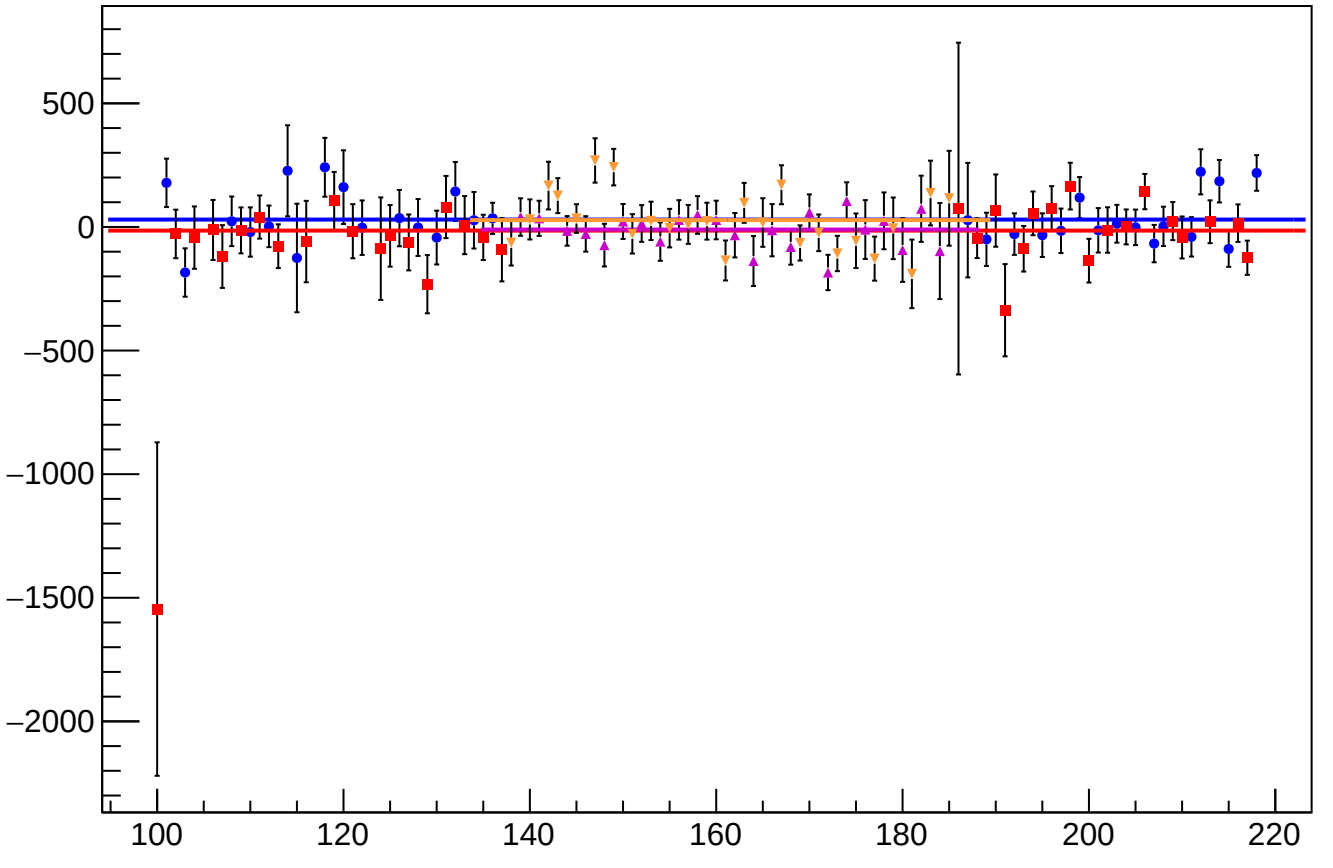
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 375.284+/-0.043 χ^2/NDF: 6118532.8/67

In: 380.883+/-0.044 χ^2/NDF:3037336.2/54

Out: 372.934+/-0.043 χ^2/NDF:4231612.6/60

All: 376.775+/-0.031 χ^2/NDF: 7285492.5/115



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: -14.719+/-16.673 χ^2/NDF: 32.1/35

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

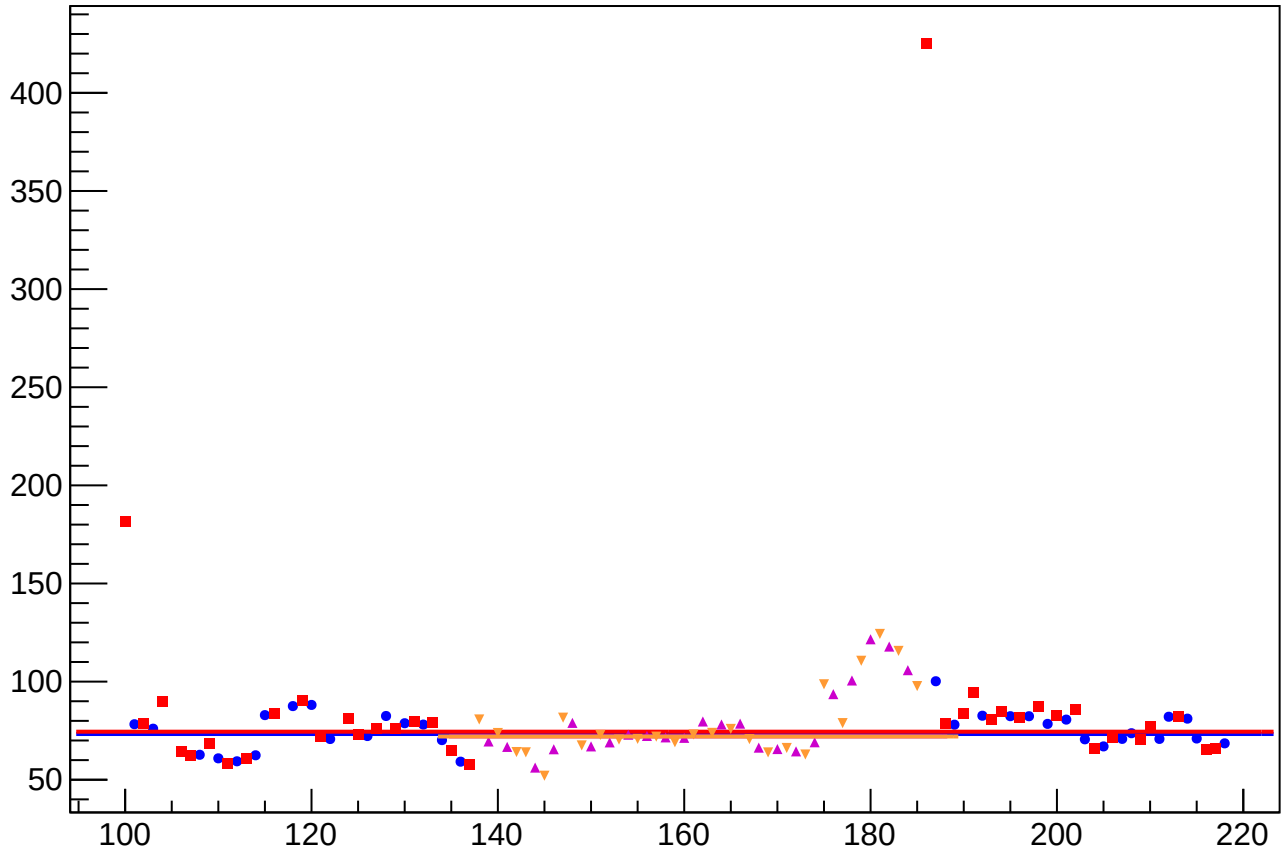
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 7.877+/-11.712 χ^2/NDF: 73.5/67

In: 10.605+/-11.899 χ^2/NDF:56.7/54

Out: 6.366+/-11.814 χ^2/NDF:77.6/60

All: 8.471+/-8.384 χ^2/NDF: 134.4/115



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: 74.487+/-0.012 χ^2/NDF: 1183196.1/35

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

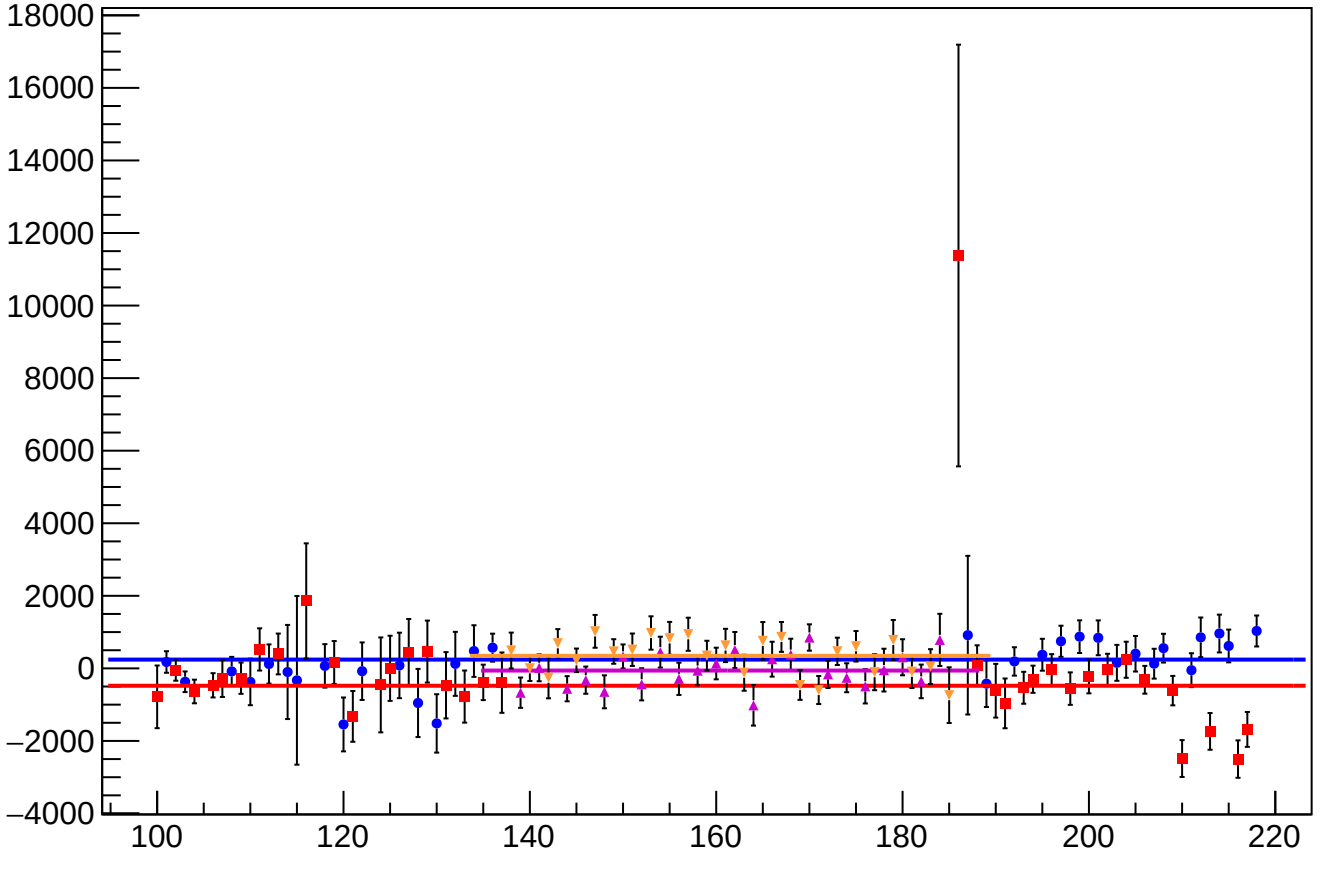
Right: 73.886+/-0.008 χ^2/NDF: 1671748.1/67

In: 72.724+/-0.008 χ^2/NDF:1547414.9/54

Out: 73.269+/-0.008 χ^2/NDF:2474116.9/60

All: 72.998+/-0.006 χ^2/NDF: 4023645.0/115

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: -478.886+/-85.043 χ^2/NDF: 70.0/35

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

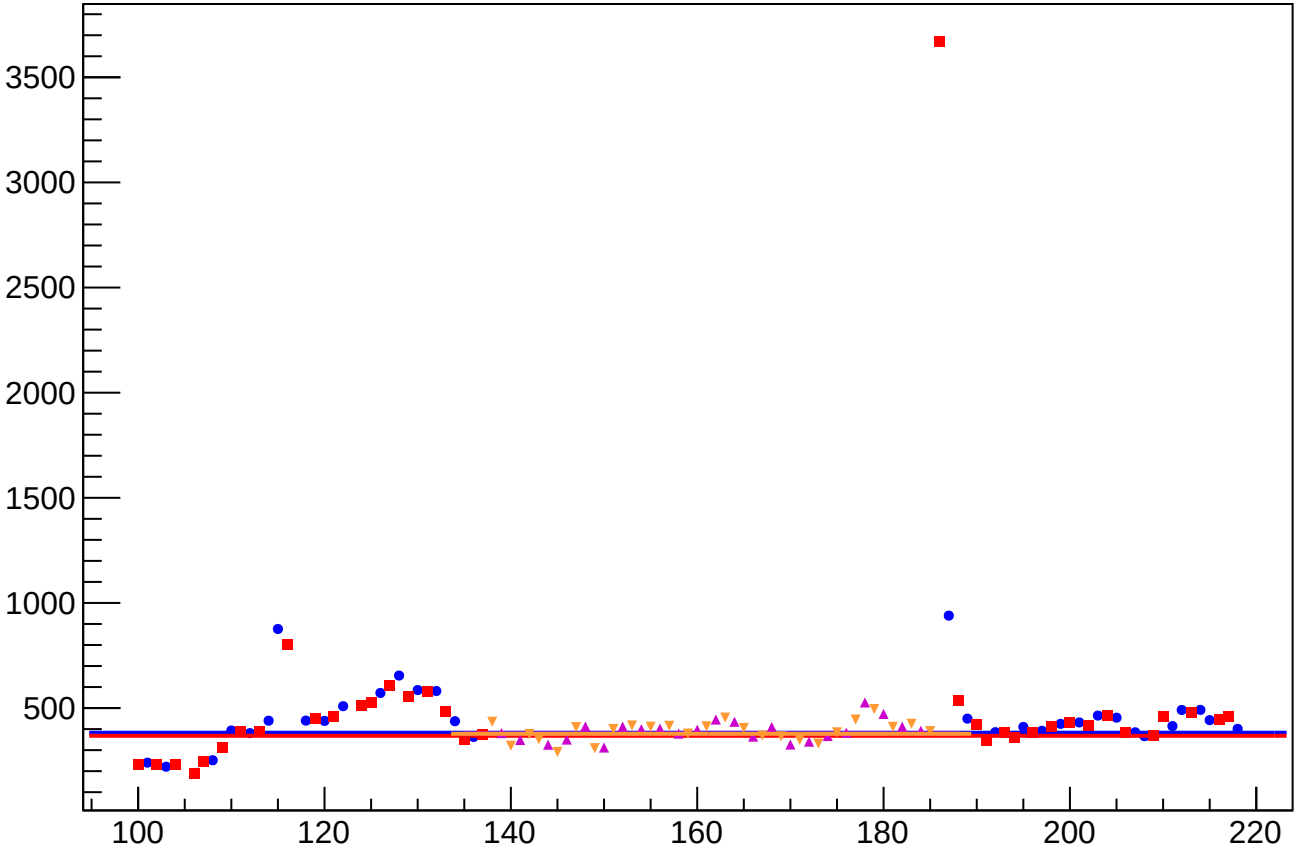
Right: -132.005+/-61.258 χ^2/NDF: 139.0/67

In: 92.943+/-62.831 χ^2/NDF:66.1/54

Out: -74.995+/-60.754 χ^2/NDF:145.0/60

All: 6.152+/-43.675 χ^2/NDF: 214.8/115

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: 368.269+/-0.060 χ^2/NDF: 3582591.4/35

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

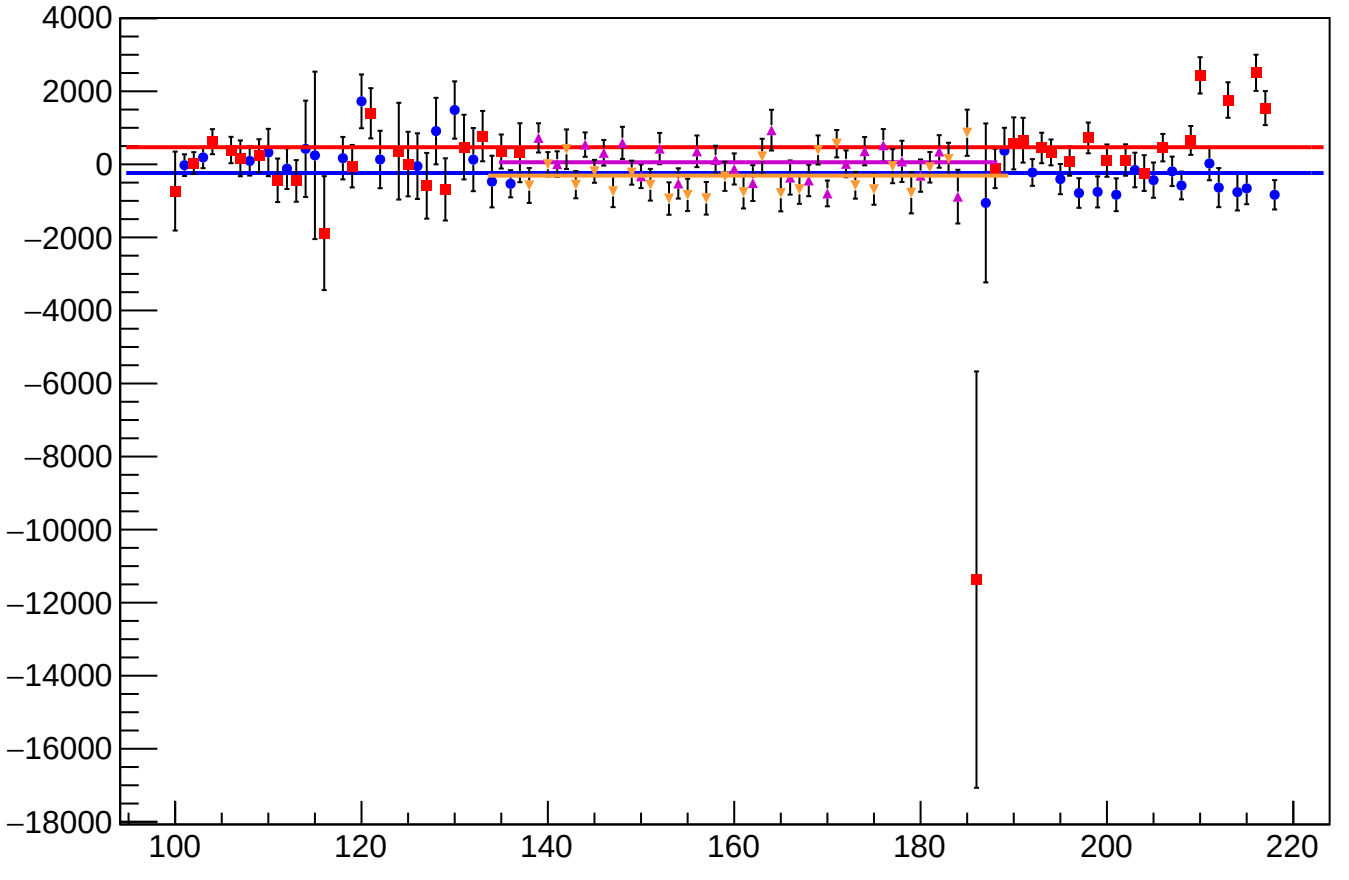
Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

Right: 375.283+/-0.043 χ^2/NDF: 6118504.1/67

In: 380.883+/-0.044 χ^2/NDF:3037317.3/54

Out: 372.934+/-0.043 χ^2/NDF:4231597.7/60

All: 376.775+/-0.031 χ^2/NDF: 7285459.2/115



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: 468.904+/-84.057 χ^2/NDF: 73.4/35

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

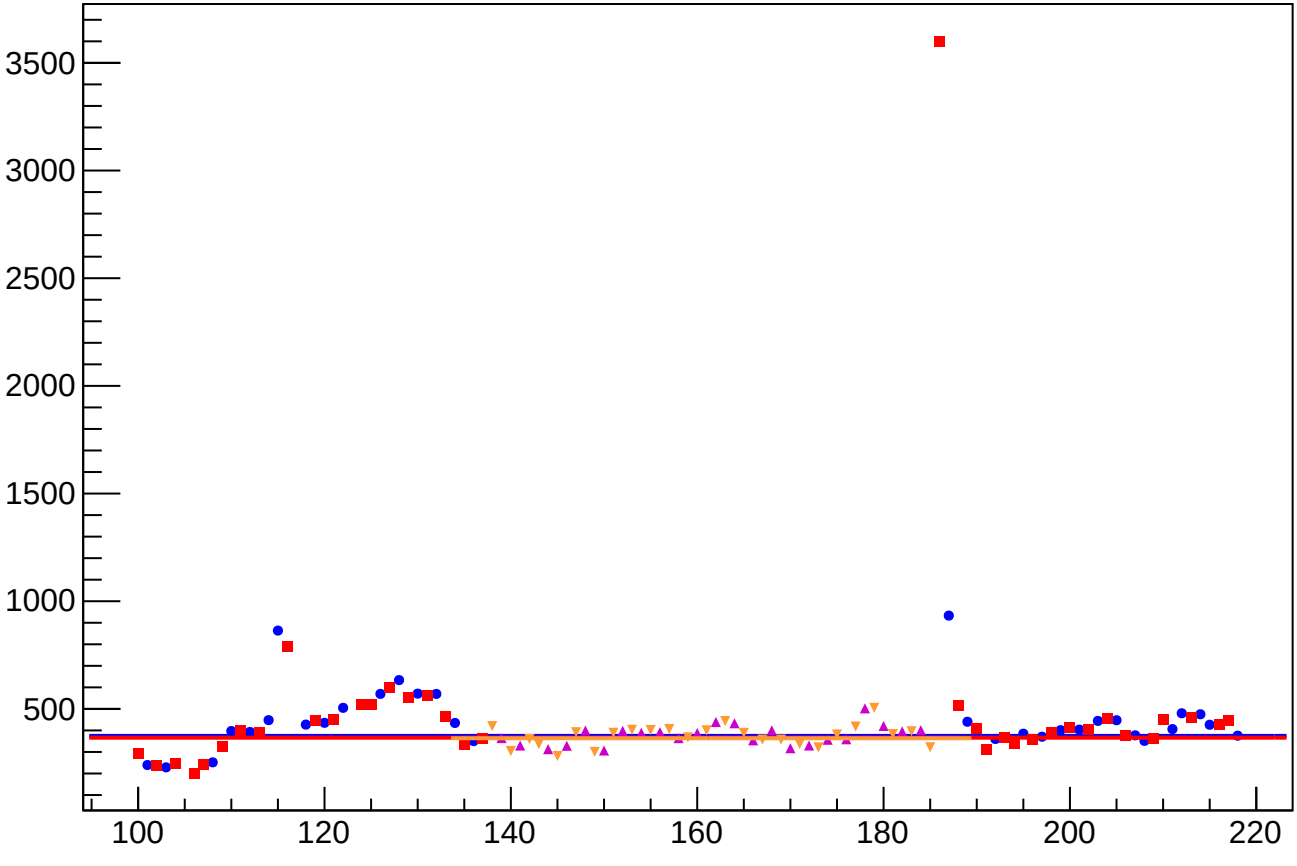
Right: 124.868+/-60.181 χ^2/NDF: 139.8/67

In: -89.742+/-60.962 χ^2/NDF:65.8/54

Out: 78.159+/-59.312 χ^2/NDF:146.4/60

All: -3.490+/-42.511 χ^2/NDF: 216.2/115

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: 366.300+/-0.059 χ^2/NDF: 3057899.3/35

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

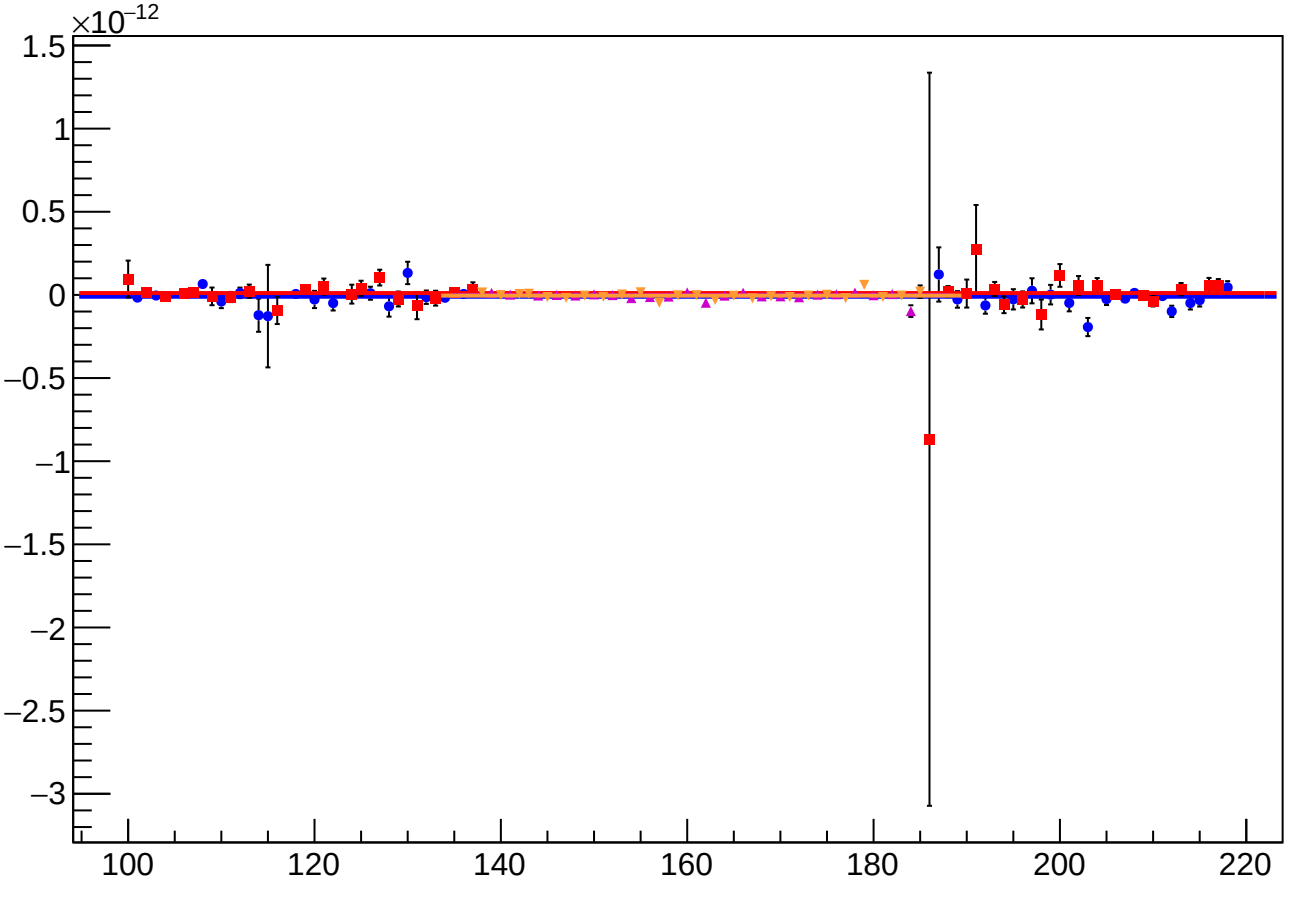
Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

Right: 370.373+/-0.043 χ^2/NDF: 5319213.5/67

In: 369.992+/-0.043 χ^2/NDF:2772894.7/54

Out: 365.002+/-0.042 χ^2/NDF:3728094.6/60

All: 367.428+/-0.030 χ^2/NDF: 6507873.0/115



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: 27.7/35

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

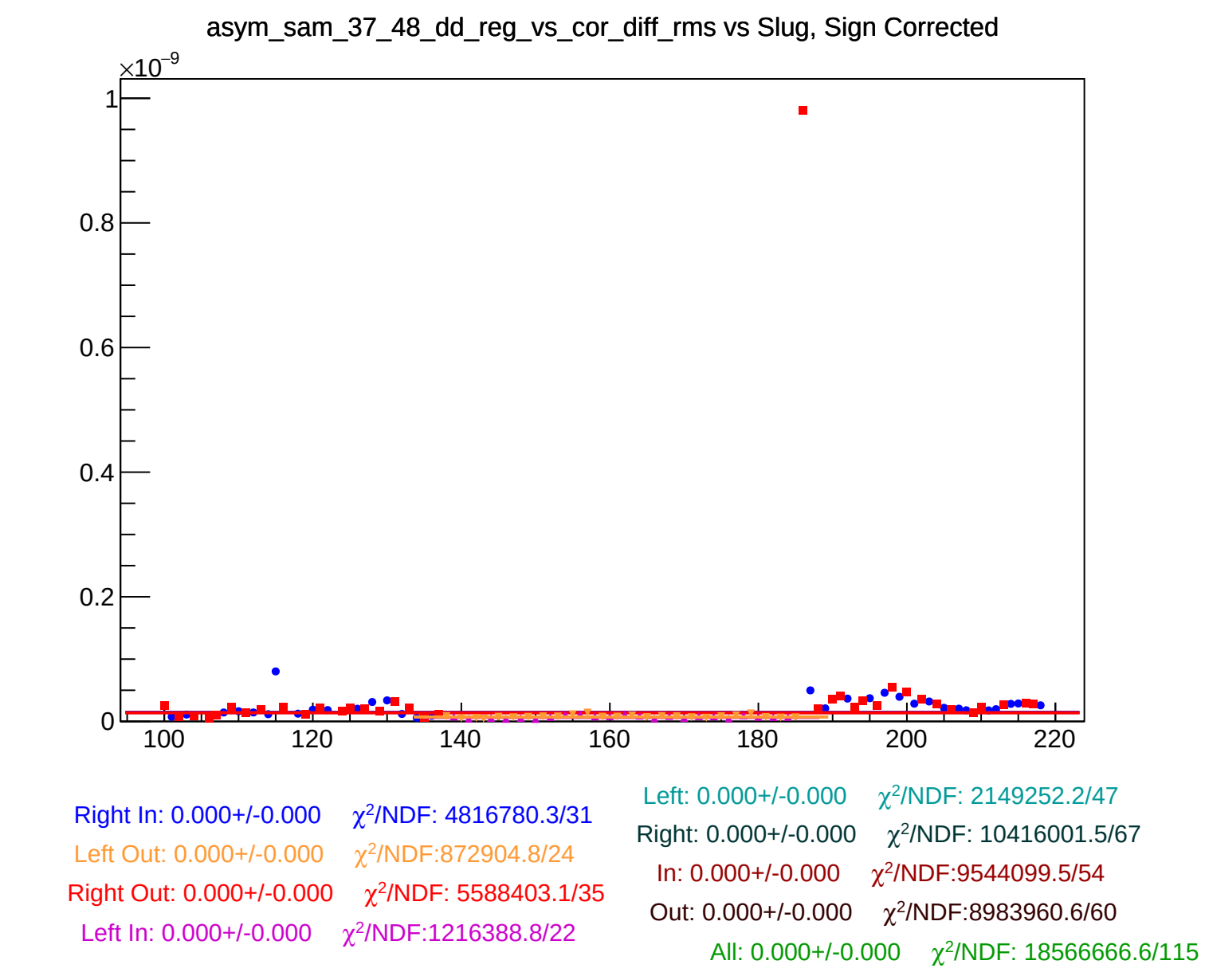
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

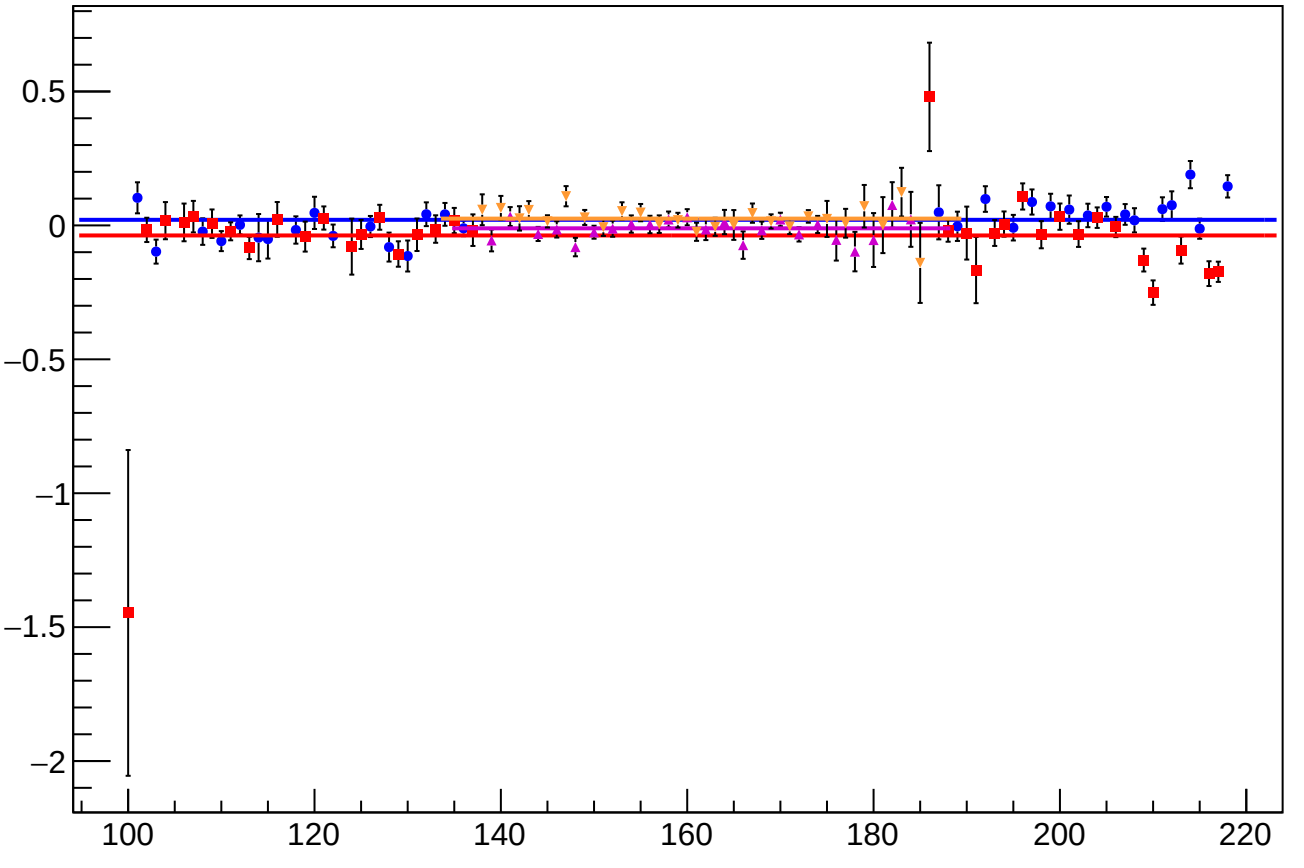
Right: 0.000+/-0.000 χ^2/NDF: 78.6/67

In: -0.000+/-0.000 χ^2/NDF:66.9/54

Out: -0.000+/-0.000 χ^2/NDF:56.1/60

All: -0.000+/-0.000 χ^2/NDF: 123.3/115


asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 4816780.3/31
Left Out: 0.000+/-0.000 χ²/NDF:872904.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 5588403.1/35
Left In: 0.000+/-0.000 χ²/NDF:1216388.8/22
Left: 0.000+/-0.000 χ²/NDF: 2149252.2/47
Right: 0.000+/-0.000 χ²/NDF: 10416001.5/67
In: 0.000+/-0.000 χ²/NDF:9544099.5/54
Out: 0.000+/-0.000 χ²/NDF:8983960.6/60
All: 0.000+/-0.000 χ²/NDF: 18566666.6/115



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: -0.038+/-0.008 χ^2/NDF: 92.9/35

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

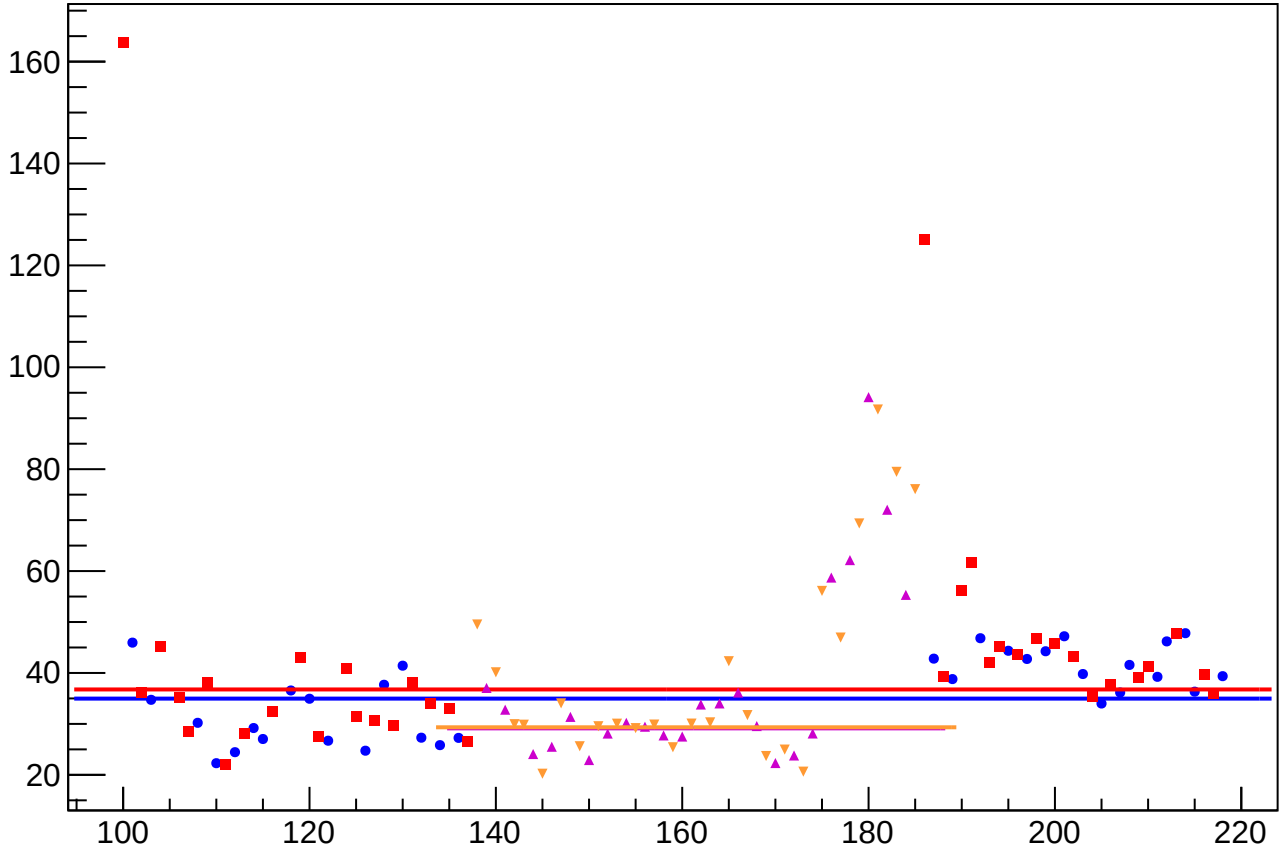
Right: -0.007+/-0.006 χ^2/NDF: 179.8/67

In: 0.003+/-0.005 χ^2/NDF:89.3/54

Out: -0.001+/-0.005 χ^2/NDF:142.7/60

All: 0.001+/-0.004 χ^2/NDF: 232.3/115

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: 36.764+/-0.006 χ^2/NDF: 1925125.4/35

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

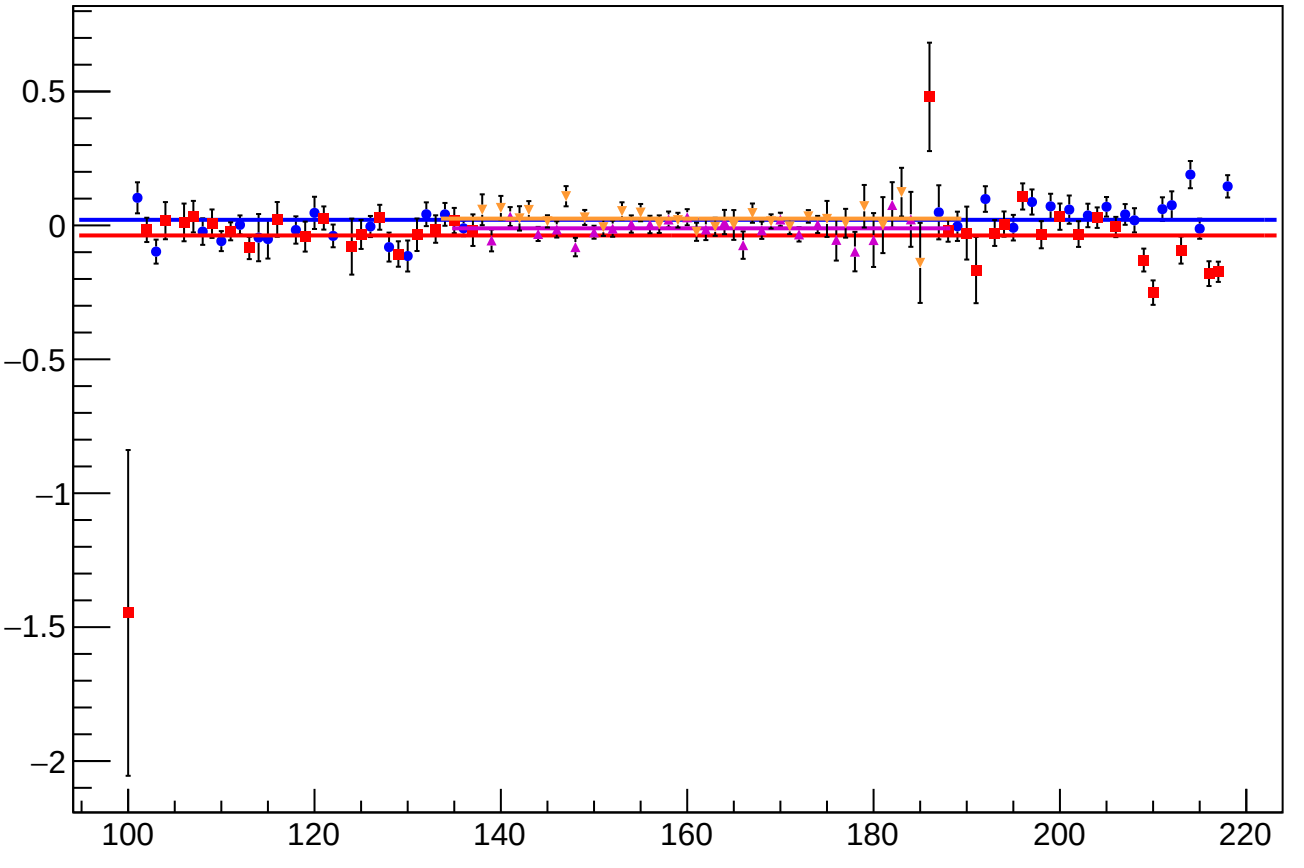
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 35.828+/-0.004 χ^2/NDF: 3835235.8/67

In: 31.749+/-0.004 χ^2/NDF:5277601.4/54

Out: 32.464+/-0.004 χ^2/NDF:6702189.8/60

All: 32.103+/-0.003 χ^2/NDF: 11997085.5/115



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: -0.038+/-0.008 χ^2/NDF: 92.9/35

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

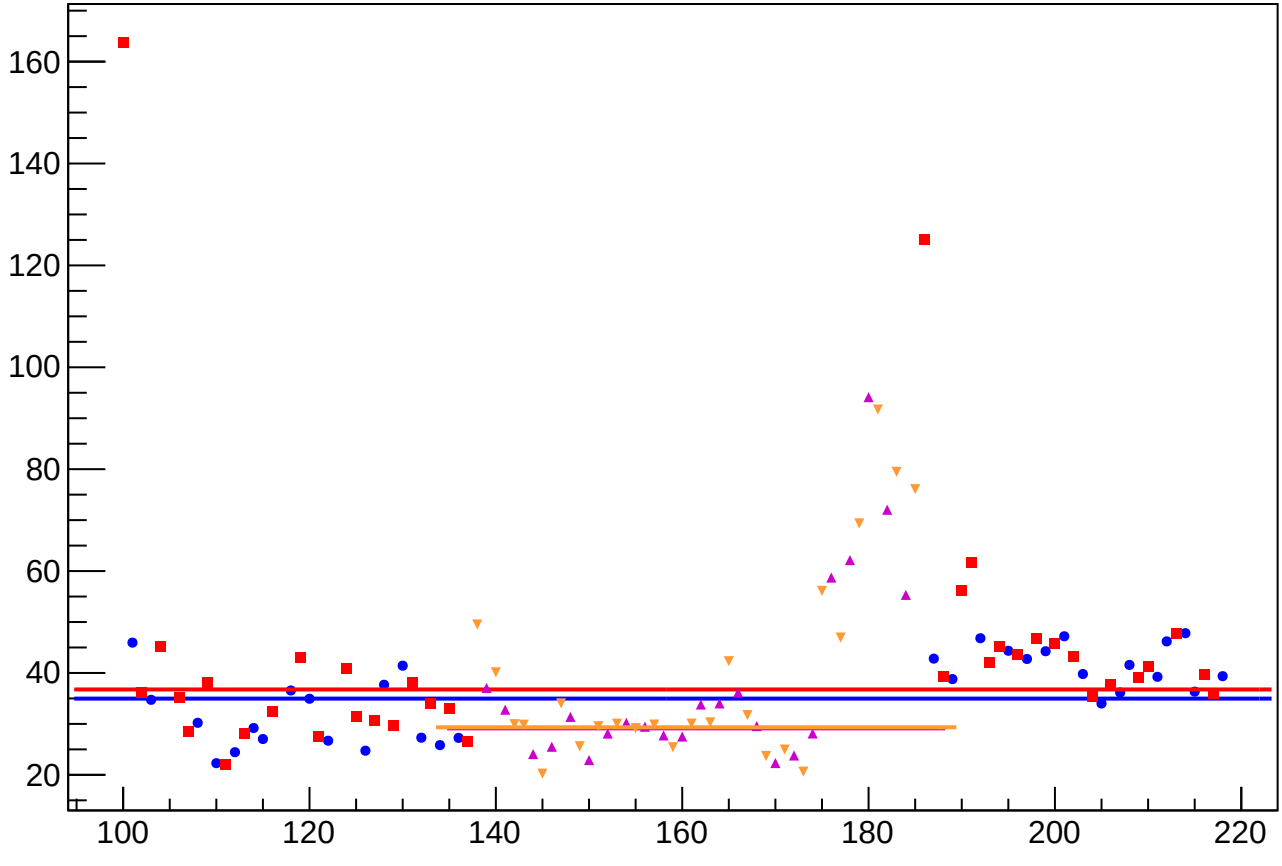
Right: -0.007+/-0.006 χ^2/NDF: 179.8/67

In: 0.003+/-0.005 χ^2/NDF:89.3/54

Out: -0.001+/-0.005 χ^2/NDF:142.7/60

All: 0.001+/-0.004 χ^2/NDF: 232.3/115

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: 36.764+/-0.006 χ^2/NDF: 1925125.4/35

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

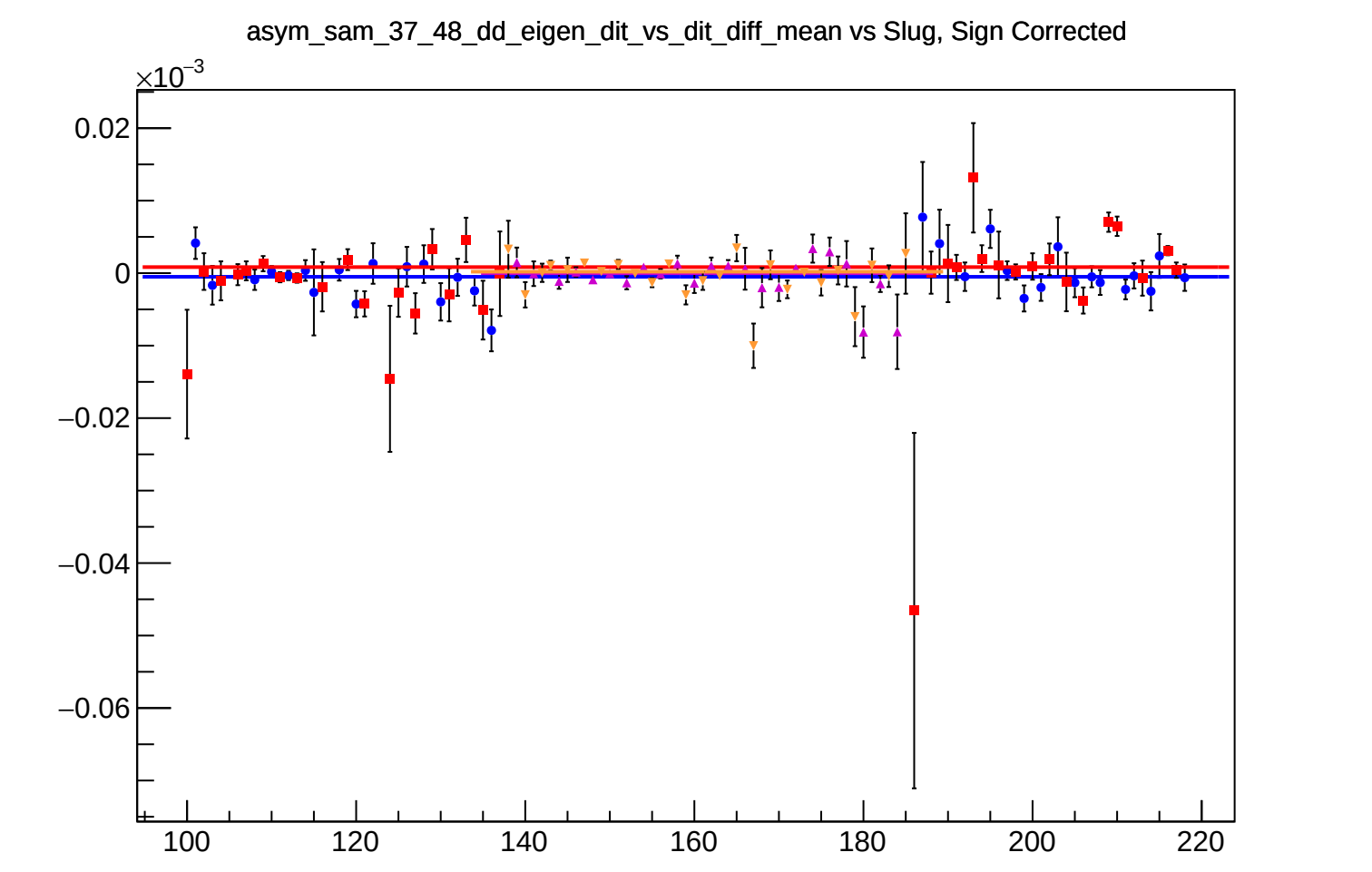
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 35.828+/-0.004 χ^2/NDF: 3835235.8/67

In: 31.749+/-0.004 χ^2/NDF:5277601.4/54

Out: 32.464+/-0.004 χ^2/NDF:6702189.8/60

All: 32.103+/-0.003 χ^2/NDF: 11997085.5/115



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: 104.3/35

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

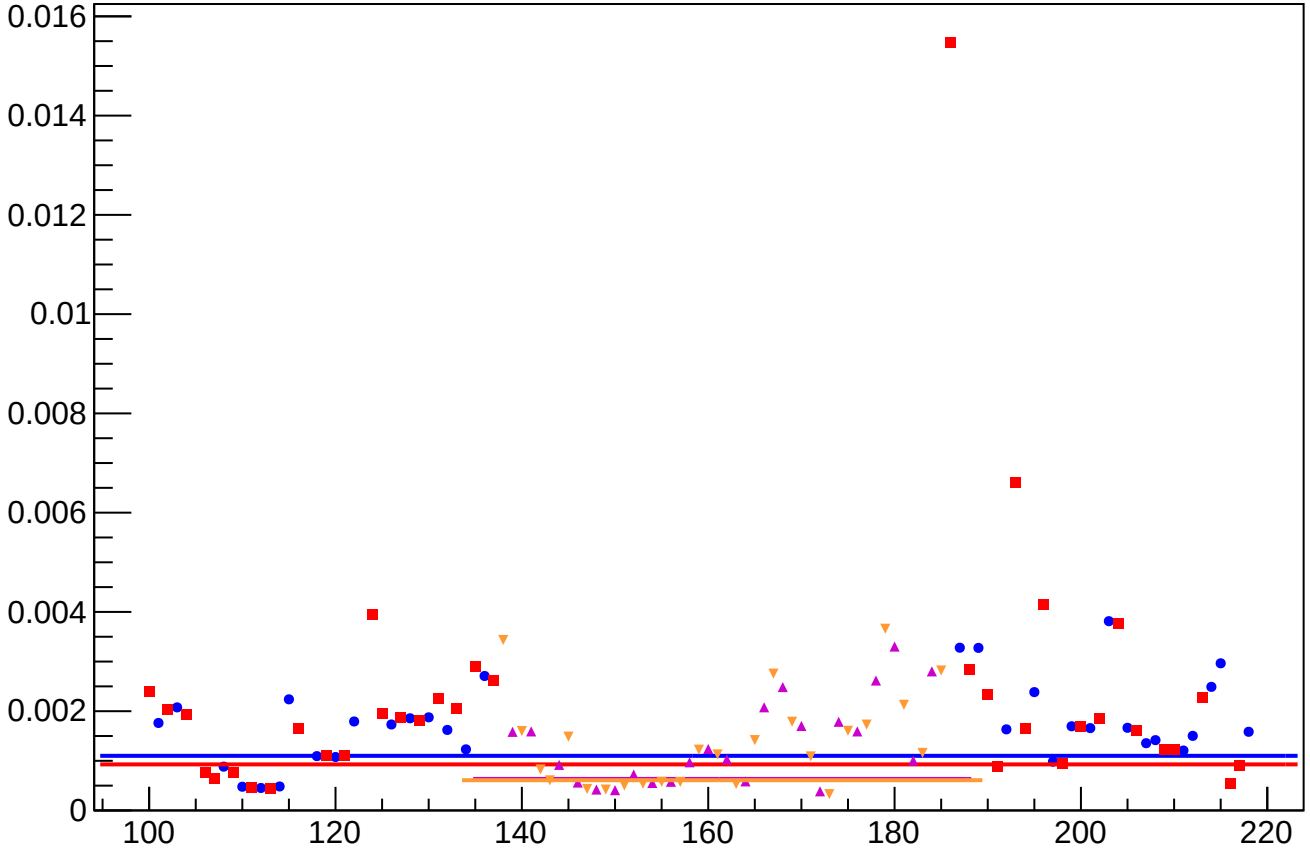
Right: 0.000+/-0.000 χ^2/NDF: 154.2/67

In: -0.000+/-0.000 χ^2/NDF:73.1/54

Out: 0.000+/-0.000 χ^2/NDF:161.2/60

All: 0.000+/-0.000 χ^2/NDF: 240.8/115

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 12628301.1/35

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

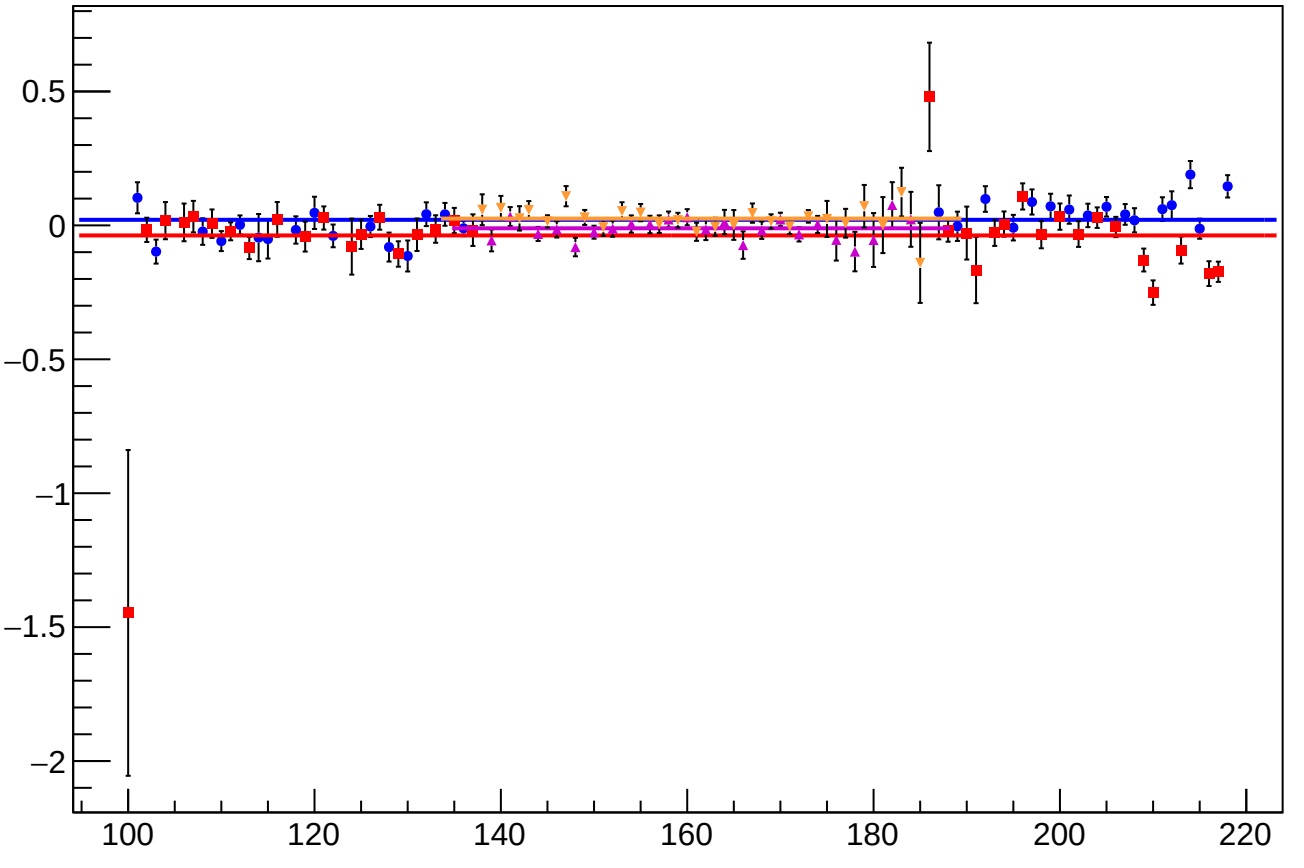
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 22967263.1/67

In: 0.001+/-0.000 χ^2/NDF:22940174.9/54

Out: 0.001+/-0.000 χ^2/NDF:25777528.0/60

All: 0.001+/-0.000 χ^2/NDF: 48864020.1/115



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: -0.038+/-0.008 χ^2/NDF: 92.9/35

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

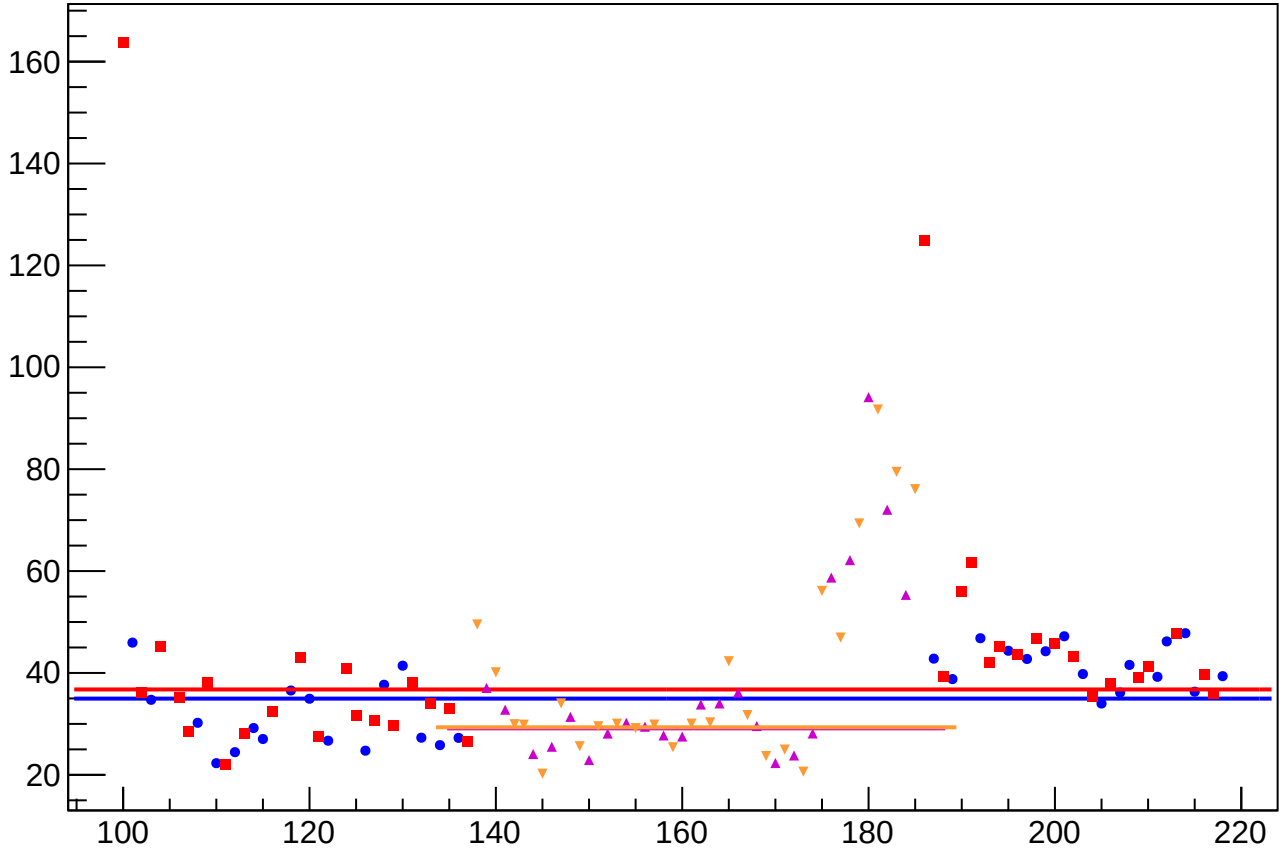
Right: -0.007+/-0.006 χ^2/NDF: 179.8/67

In: 0.003+/-0.005 χ^2/NDF:89.3/54

Out: -0.001+/-0.005 χ^2/NDF:142.7/60

All: 0.001+/-0.004 χ^2/NDF: 232.3/115

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: 36.764+/-0.006 χ^2/NDF: 1924999.9/35

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

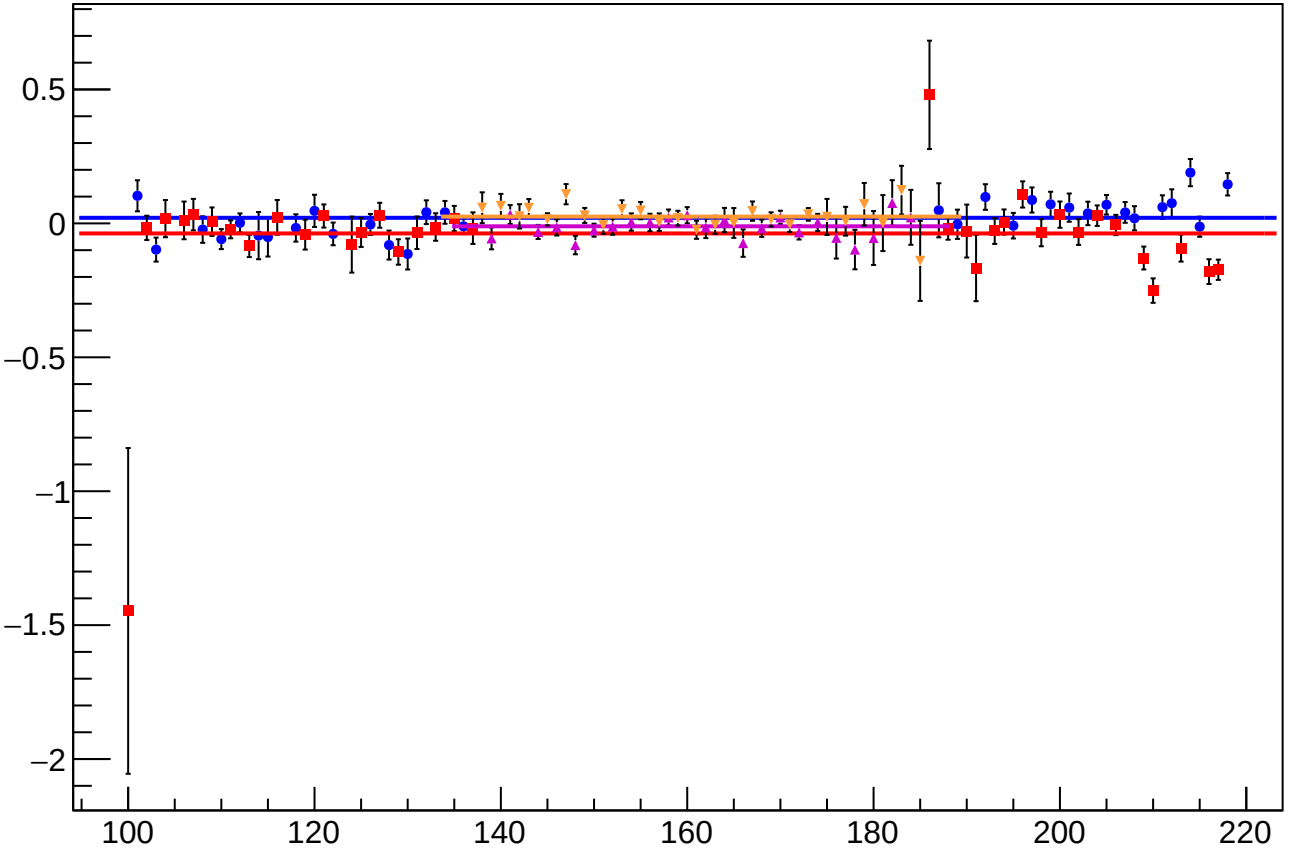
Right: 35.828+/-0.004 χ^2/NDF: 3835016.3/67

In: 31.749+/-0.004 χ^2/NDF:5277486.2/54

Out: 32.464+/-0.004 χ^2/NDF:6702197.1/60

All: 32.103+/-0.003 χ^2/NDF: 11996978.6/115

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.038+/-0.008 χ^2/NDF: 92.9/35

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

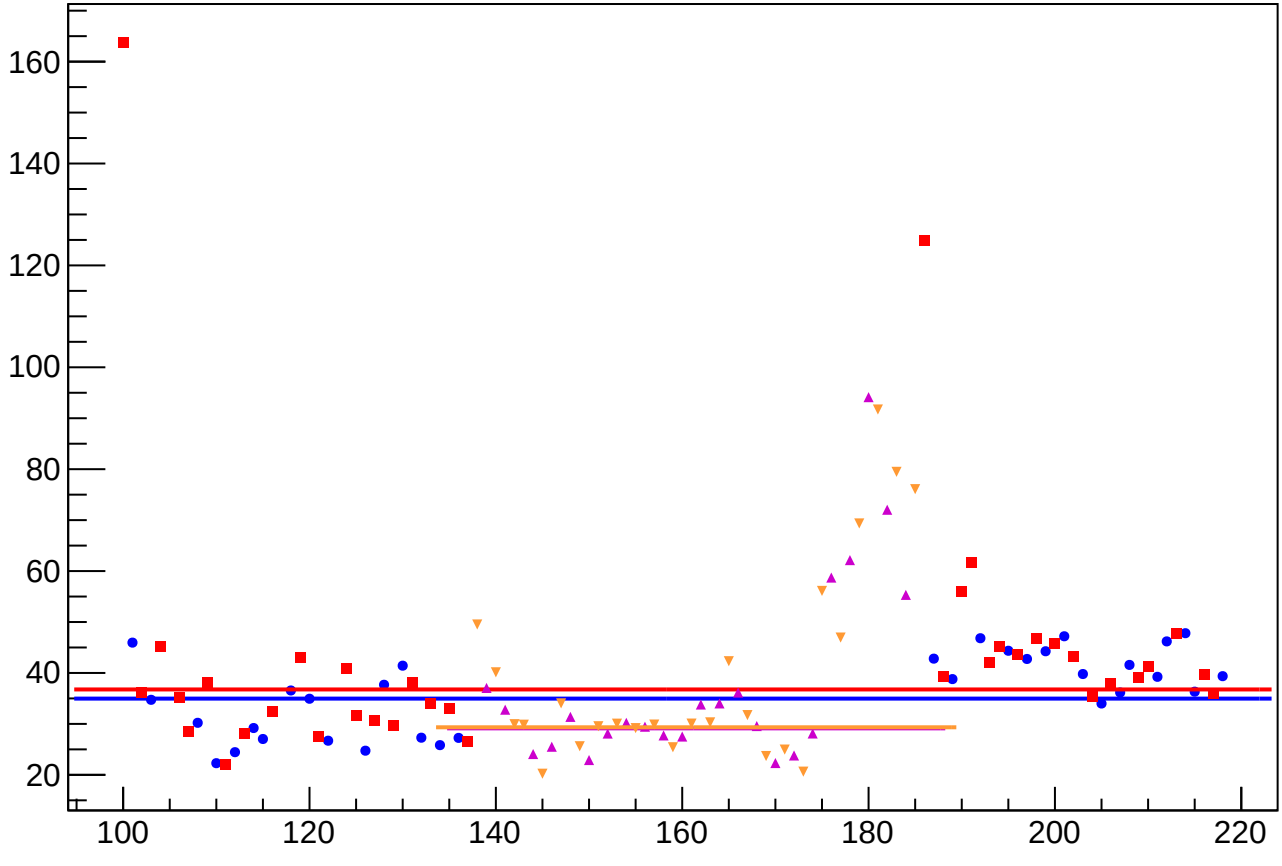
Right: -0.007+/-0.006 χ^2/NDF: 179.8/67

In: 0.003+/-0.005 χ^2/NDF:89.3/54

Out: -0.001+/-0.005 χ^2/NDF:142.7/60

All: 0.001+/-0.004 χ^2/NDF: 232.3/115

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: 36.764+/-0.006 χ^2/NDF: 1924999.9/35

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

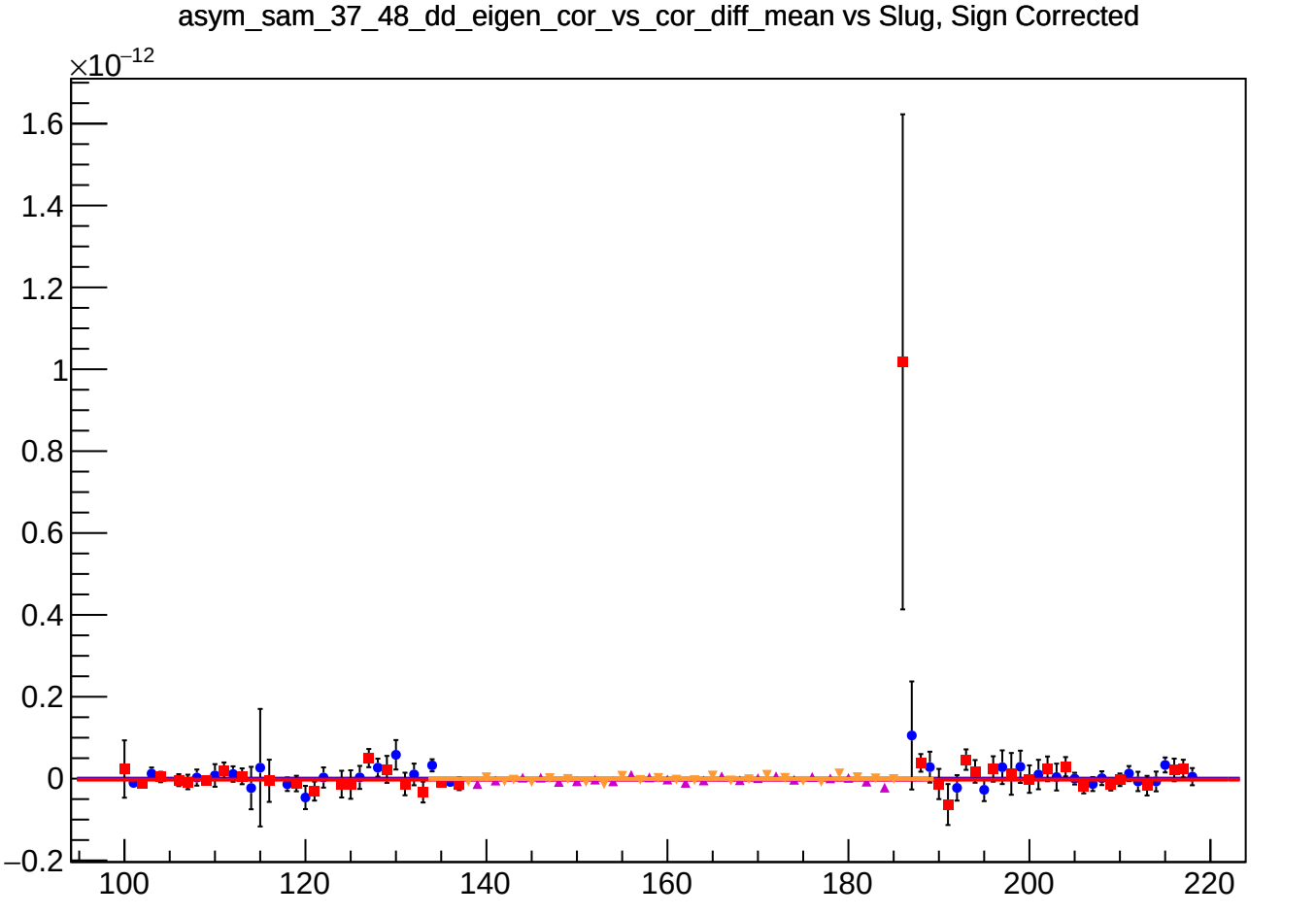
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 35.828+/-0.004 χ^2/NDF: 3835016.3/67

In: 31.749+/-0.004 χ^2/NDF:5277486.2/54

Out: 32.464+/-0.004 χ^2/NDF:6702197.1/60

All: 32.103+/-0.003 χ^2/NDF: 11996978.6/115



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: 33.9/35

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

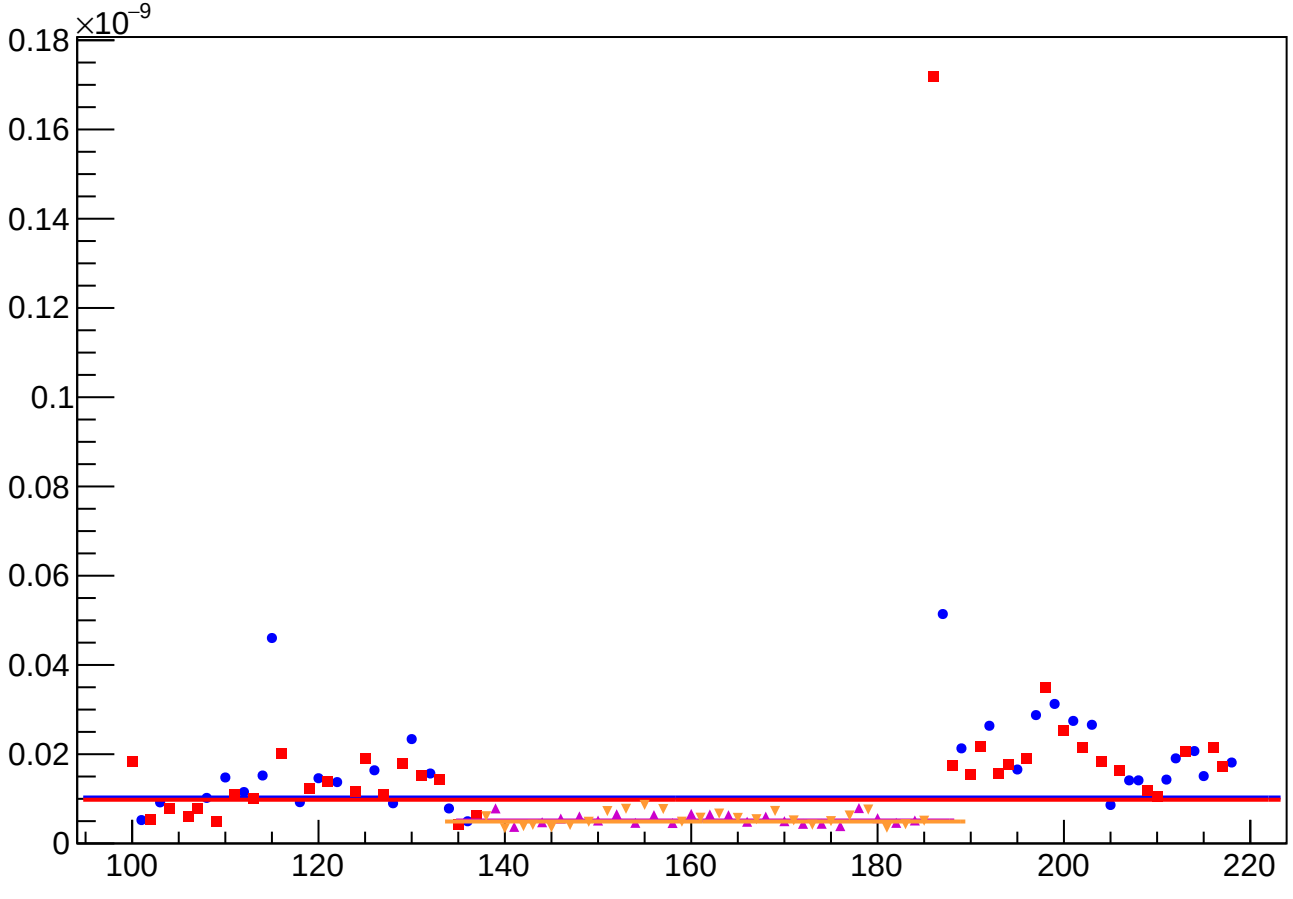
Right: -0.000+/-0.000 χ^2/NDF: 59.7/67

In: -0.000+/-0.000 χ^2/NDF:42.2/54

Out: -0.000+/-0.000 χ^2/NDF:49.2/60

All: -0.000+/-0.000 χ^2/NDF: 91.4/115

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 6766180.5/35

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

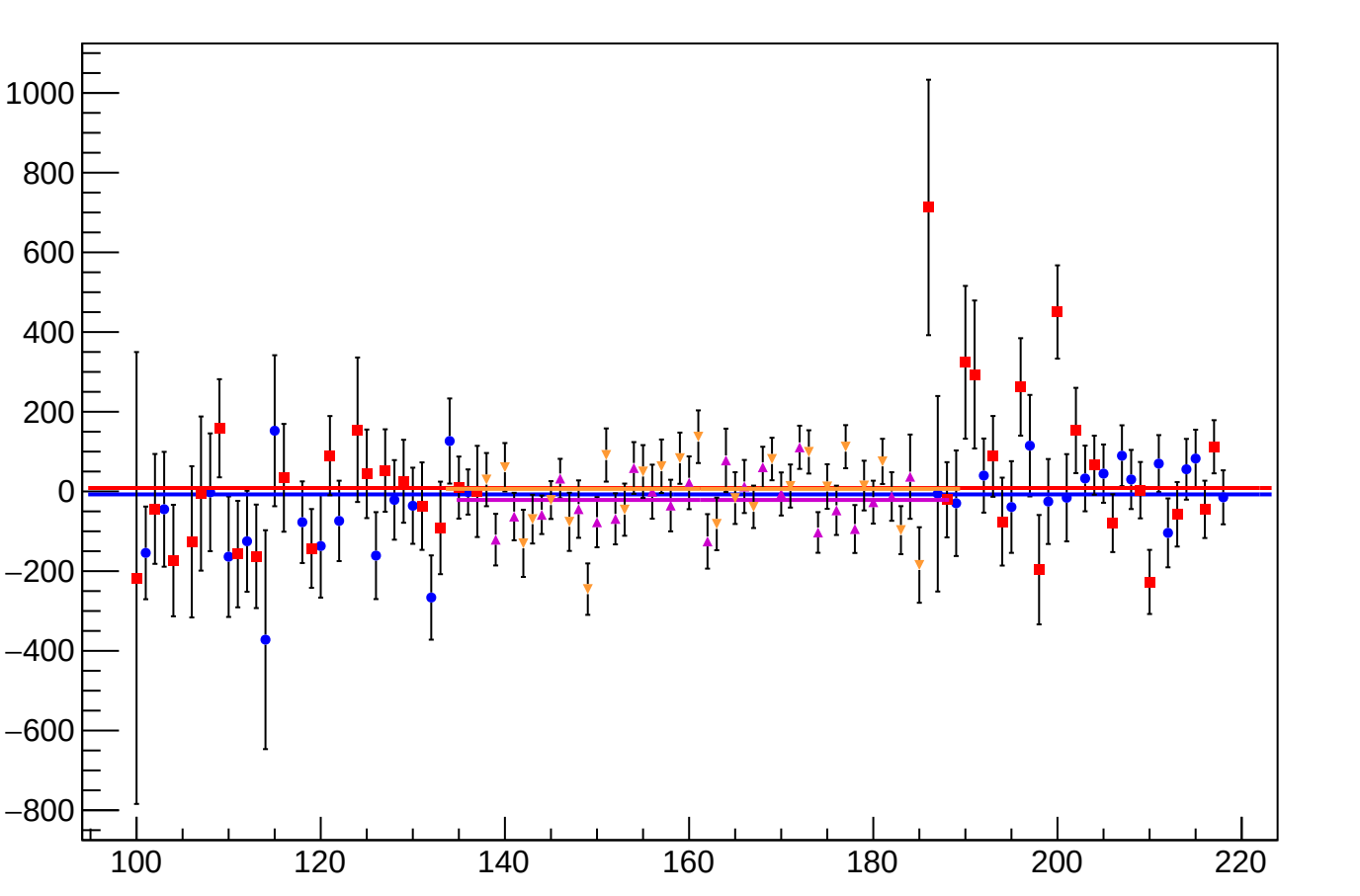
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14106467.5/67

In: 0.000+/-0.000 χ^2/NDF:12587060.8/54

Out: 0.000+/-0.000 χ^2/NDF:12742990.5/60

All: 0.000+/-0.000 χ^2/NDF: 25384499.8/115



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: 8.685+/-17.589 χ^2/NDF: 60.3/35

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

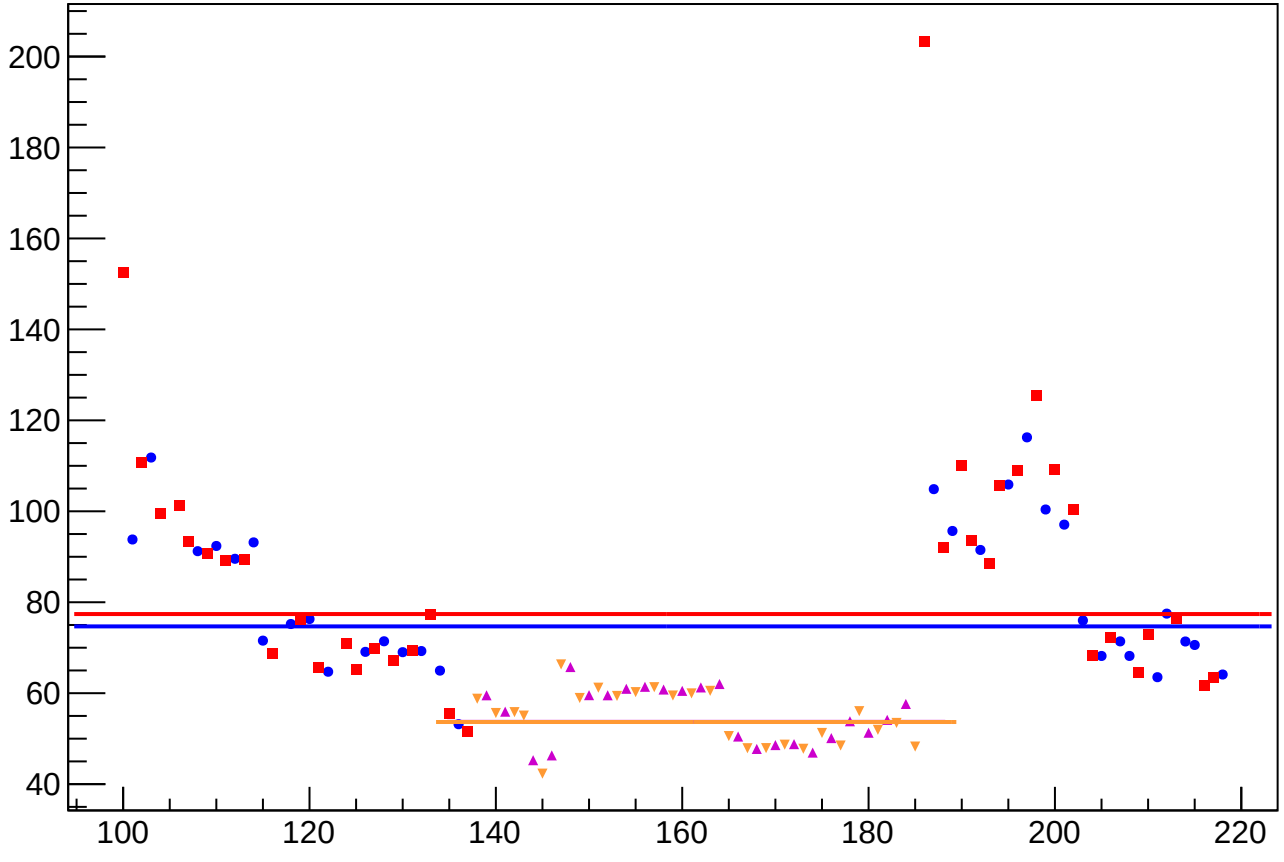
Right: 0.384+/-12.237 χ^2/NDF: 86.9/67

In: -16.384+/-10.156 χ^2/NDF:52.0/54

Out: 7.232+/-10.073 χ^2/NDF:110.9/60

All: -4.479+/-7.152 χ^2/NDF: 165.7/115

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: 77.404+/-0.012 χ^2/NDF: 2169189.7/35

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

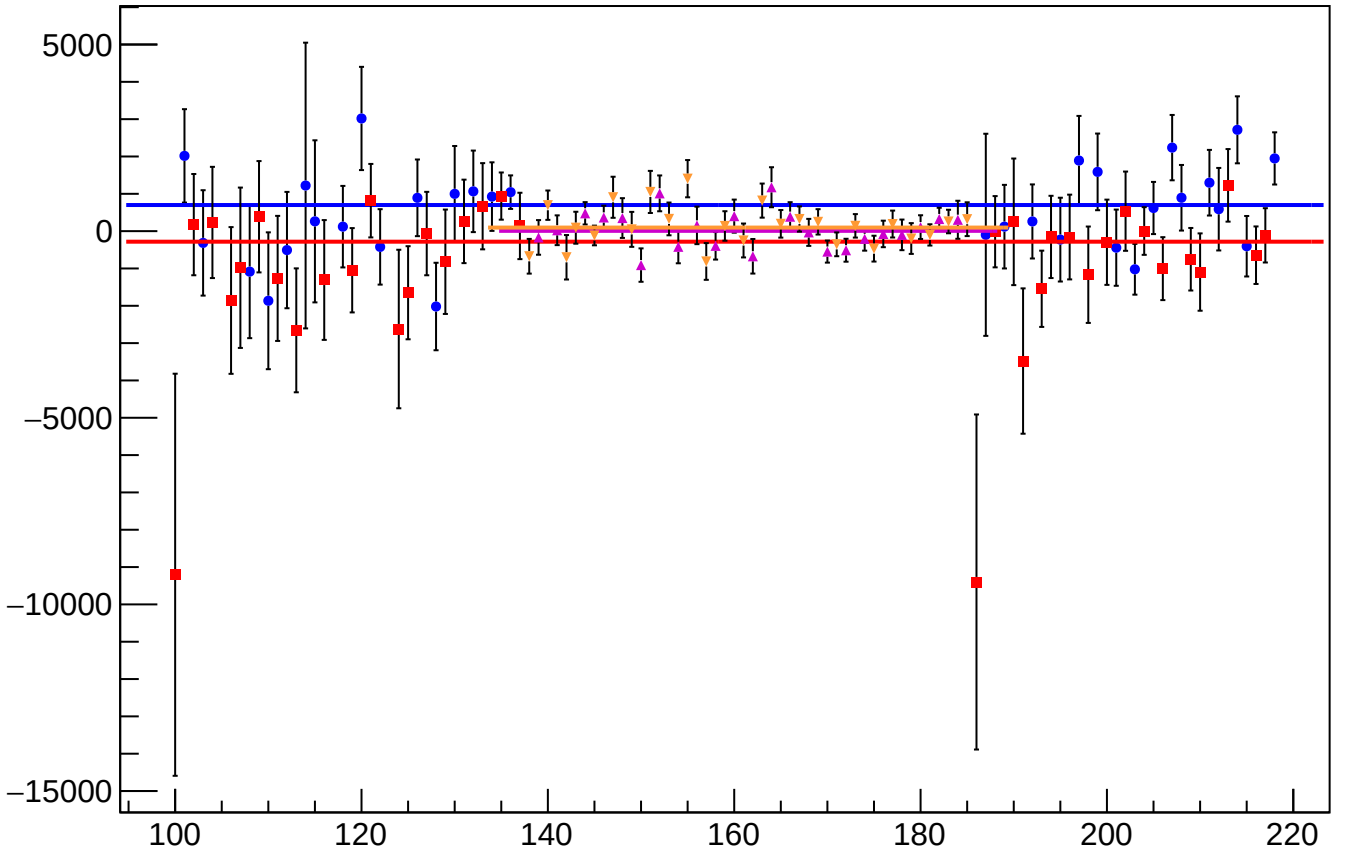
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 76.003+/-0.009 χ^2/NDF: 3665238.8/67

In: 61.156+/-0.007 χ^2/NDF:3900775.2/54

Out: 61.451+/-0.007 χ^2/NDF:5089571.8/60

All: 61.304+/-0.005 χ^2/NDF: 8991198.7/115



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: -282.525+/-183.216 χ^2/NDF: 30.1/35

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

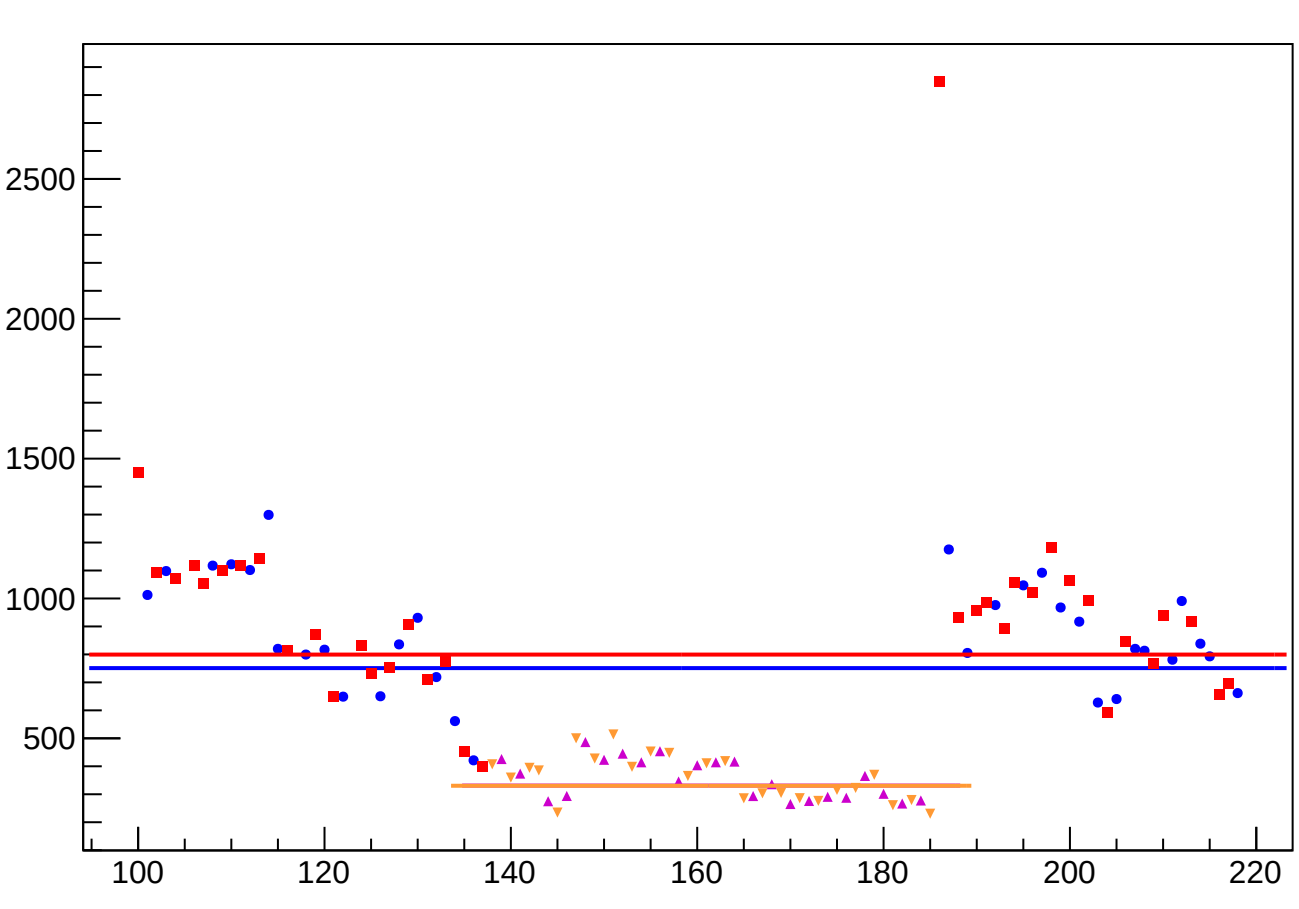
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 234.703+/-126.069 χ^2/NDF: 85.4/67

In: 126.741+/-72.009 χ^2/NDF:85.6/54

Out: 38.548+/-71.091 χ^2/NDF:66.9/60

All: 82.079+/-50.590 χ^2/NDF: 153.2/115



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: 799.401+/-0.130 χ^2/NDF: 3050835.0/35

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

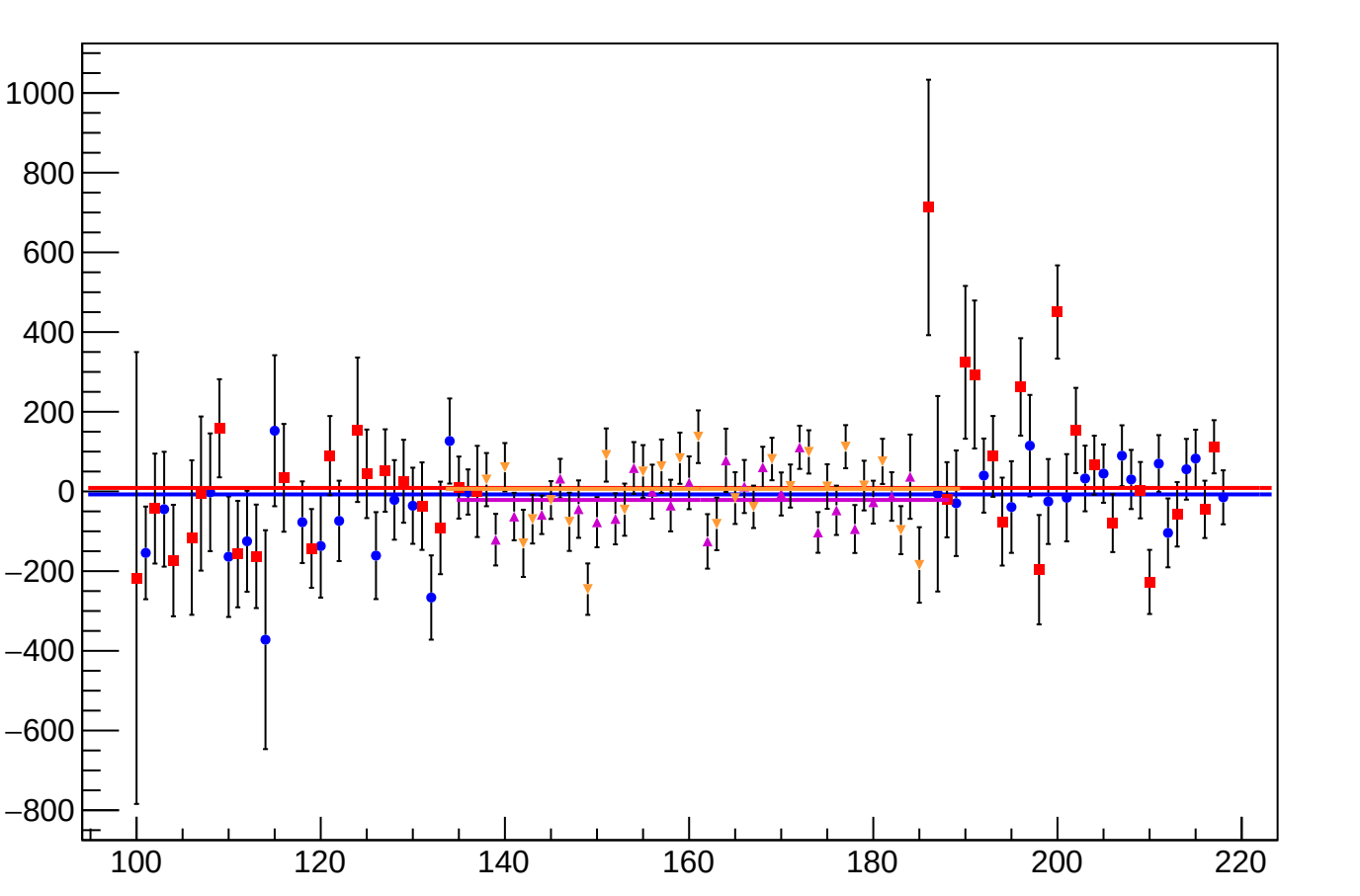
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 773.939+/-0.089 χ^2/NDF: 5796928.3/67

In: 403.205+/-0.051 χ^2/NDF:13677747.1/54

Out: 401.016+/-0.050 χ^2/NDF:15935349.2/60

All: 402.097+/-0.036 χ^2/NDF: 29614032.7/11



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: 8.836+/-17.593 χ^2/NDF: 60.2/35

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

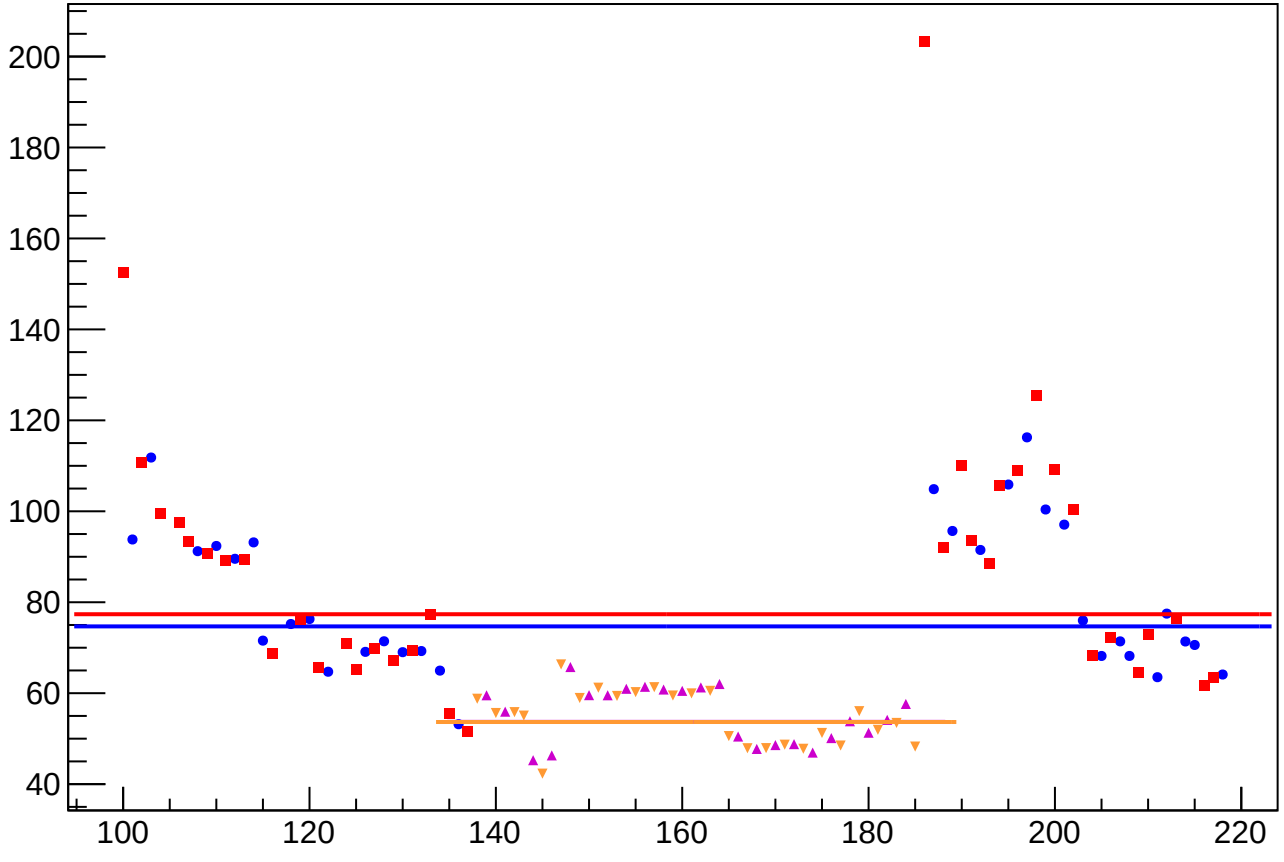
Right: 0.459+/-12.239 χ^2/NDF: 86.9/67

In: -16.382+/-10.156 χ^2/NDF:52.0/54

Out: 7.283+/-10.073 χ^2/NDF:110.8/60

All: -4.453+/-7.152 χ^2/NDF: 165.6/115

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: 77.365+/-0.012 χ^2/NDF: 2159508.7/35

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

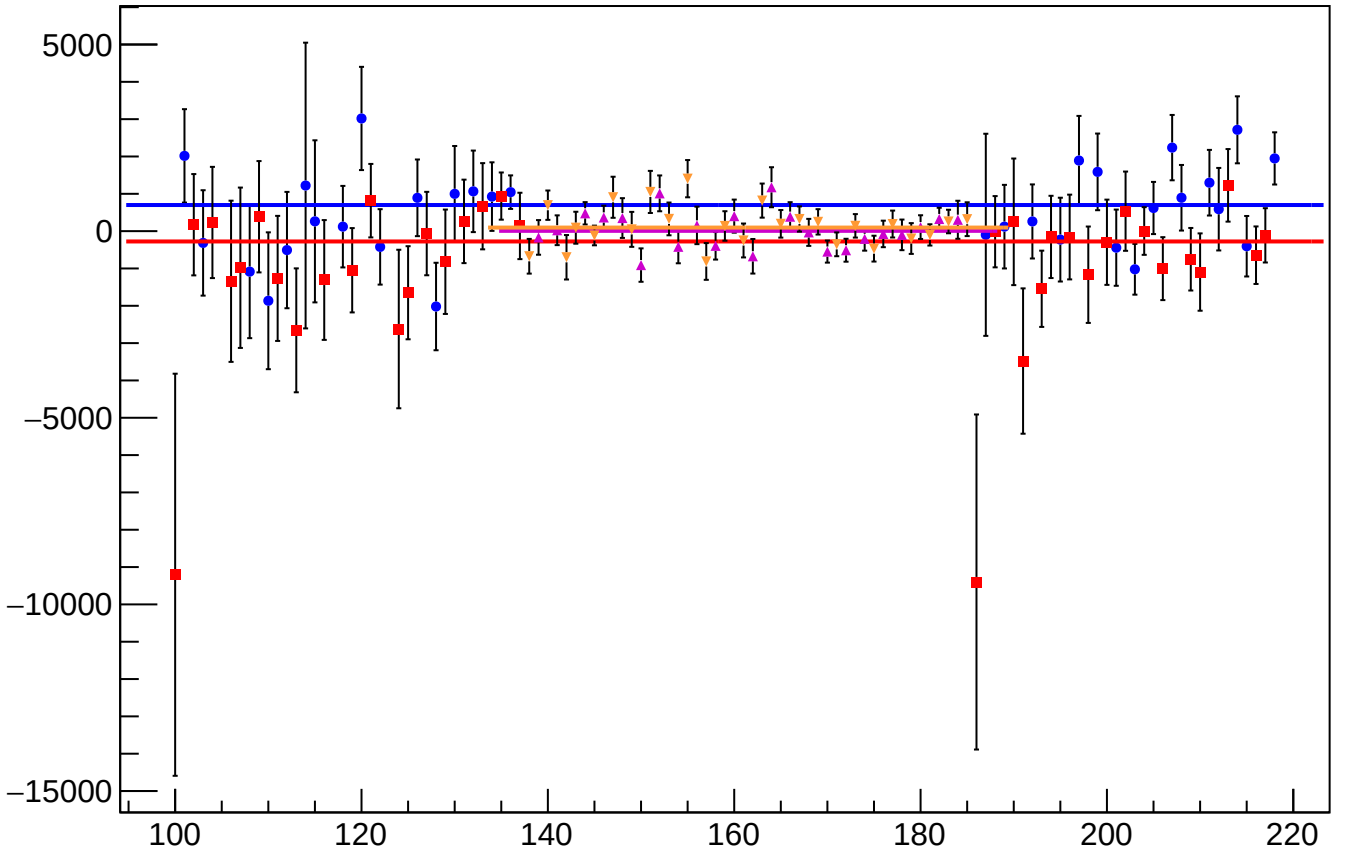
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 75.984+/-0.009 χ^2/NDF: 3654859.9/67

In: 61.156+/-0.007 χ^2/NDF:3900777.8/54

Out: 61.436+/-0.007 χ^2/NDF:5071289.9/60

All: 61.297+/-0.005 χ^2/NDF: 8972836.7/115



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: -276.534+/-183.355 χ^2/NDF: 29.7/35

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

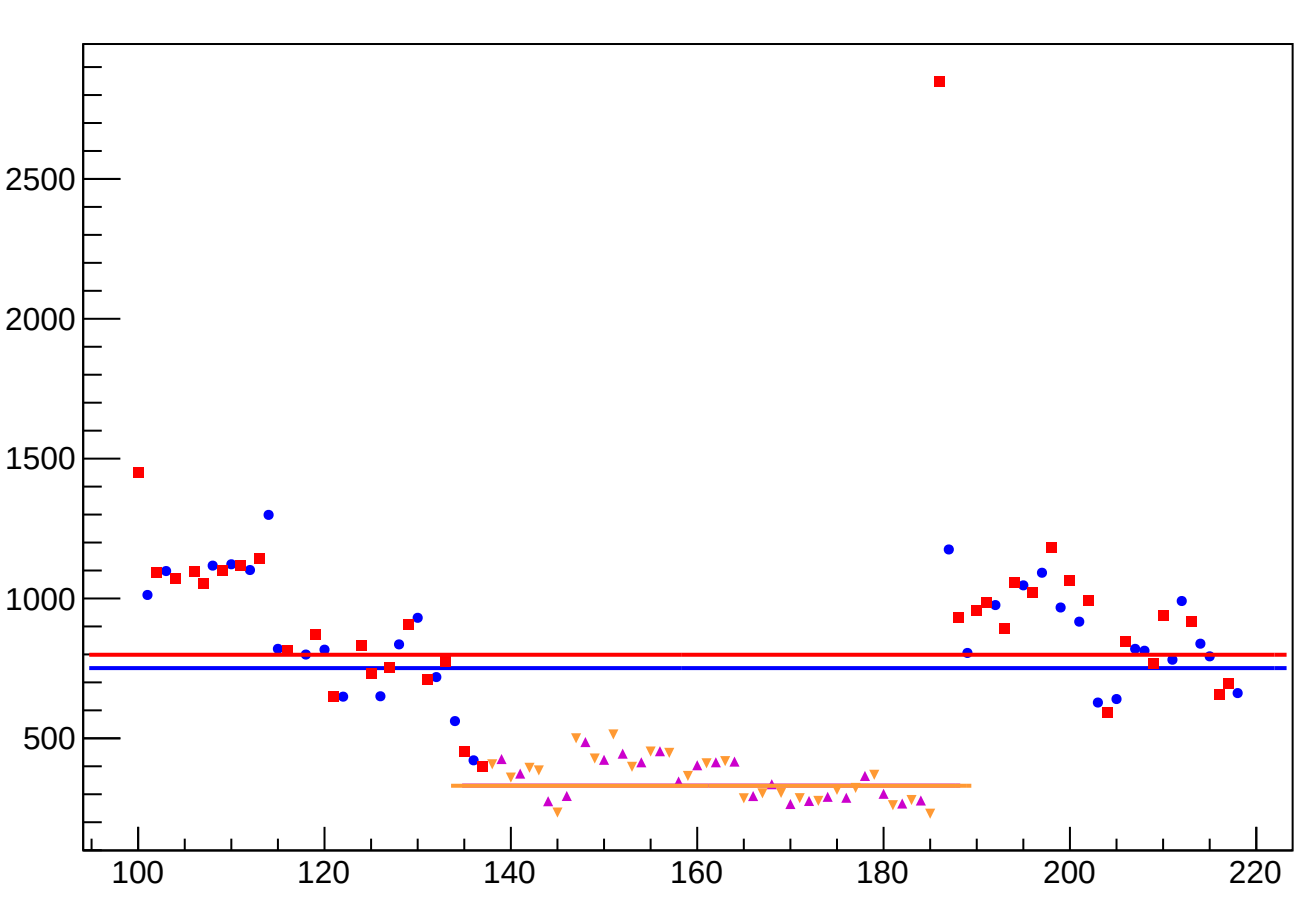
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 237.907+/-126.114 χ^2/NDF: 84.8/67

In: 126.737+/-72.009 χ^2/NDF:85.6/54

Out: 39.524+/-71.099 χ^2/NDF:66.4/60

All: 82.576+/-50.593 χ^2/NDF: 152.7/115



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: 798.767+/-0.130 χ^2/NDF: 3036110.9/35

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

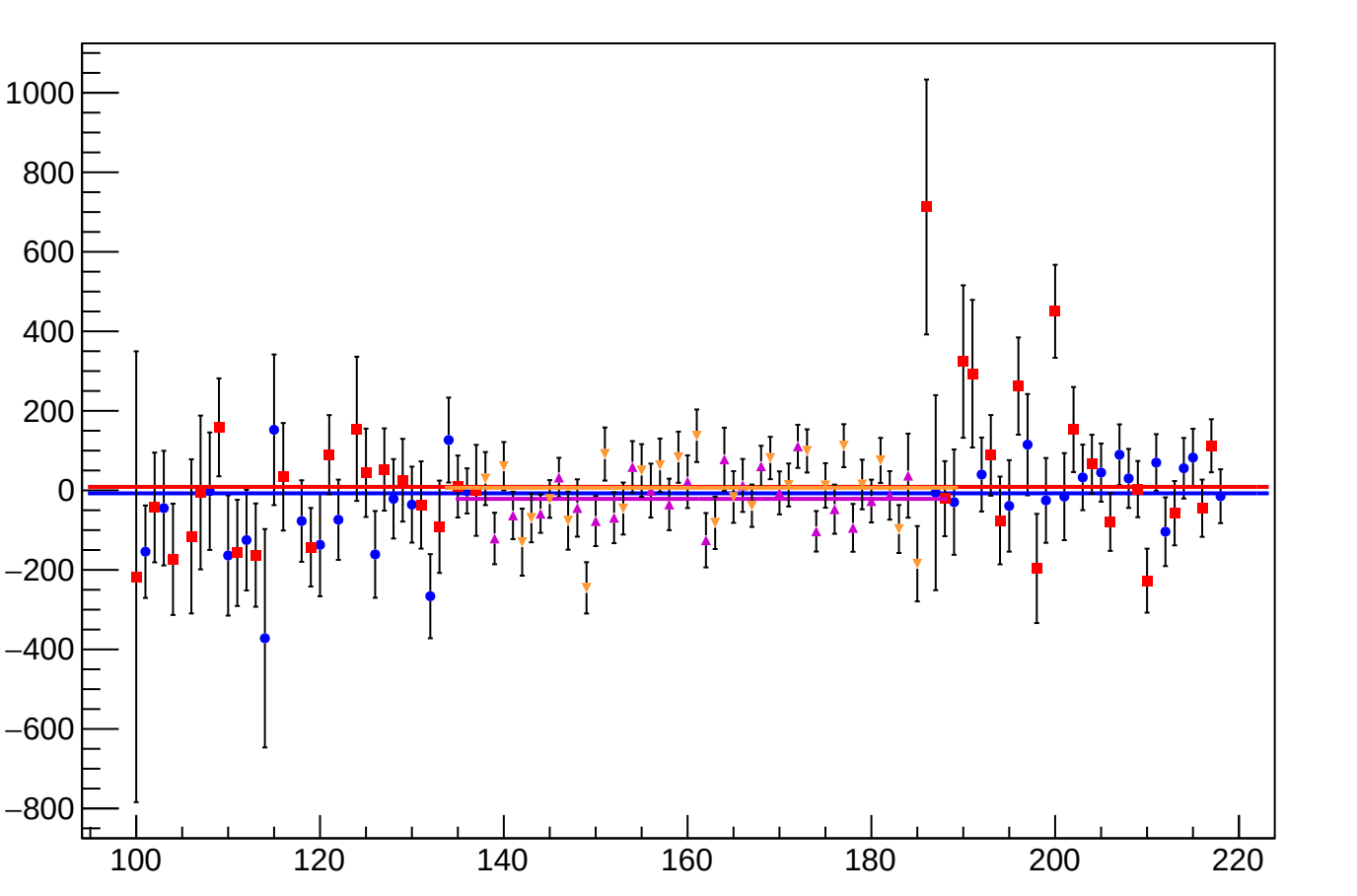
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 773.621+/-0.089 χ^2/NDF: 5780259.7/67

In: 403.205+/-0.051 χ^2/NDF:13677781.7/54

Out: 400.830+/-0.050 χ^2/NDF:15876294.8/60

All: 402.002+/-0.036 χ^2/NDF: 29555178.5/11



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: 8.836+/-17.593 χ^2/NDF: 60.2/35

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

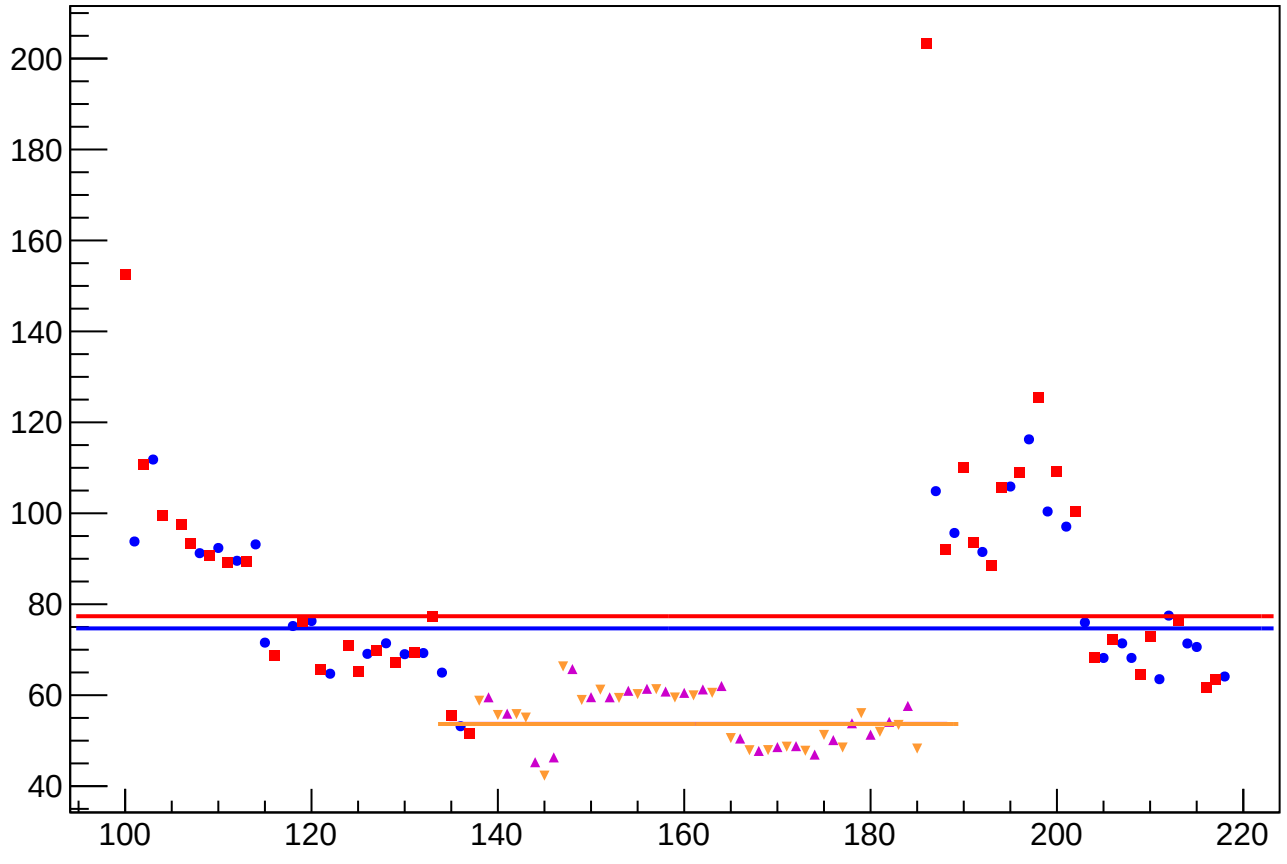
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: 0.459+/-12.239 χ^2/NDF: 86.9/67

In: -16.382+/-10.156 χ^2/NDF:52.0/54

Out: 7.283+/-10.073 χ^2/NDF:110.8/60

All: -4.453+/-7.152 χ^2/NDF: 165.6/115



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: 77.365+/-0.012 χ^2/NDF: 2159508.7/35

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

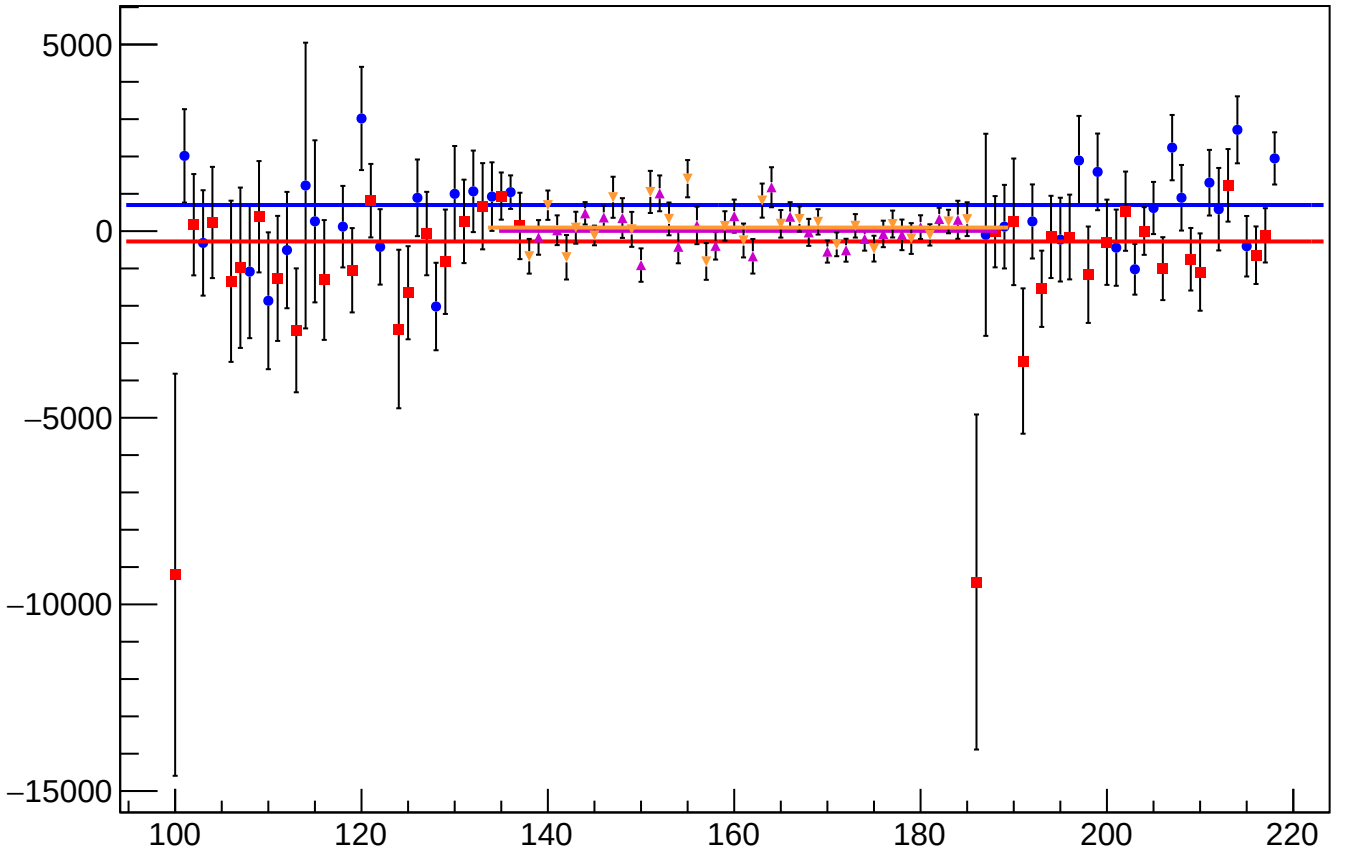
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 75.984+/-0.009 χ^2/NDF: 3654859.9/67

In: 61.156+/-0.007 χ^2/NDF:3900777.8/54

Out: 61.436+/-0.007 χ^2/NDF:5071289.9/60

All: 61.297+/-0.005 χ^2/NDF: 8972836.7/115



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: -276.534+/-183.355 χ^2/NDF: 29.7/35

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

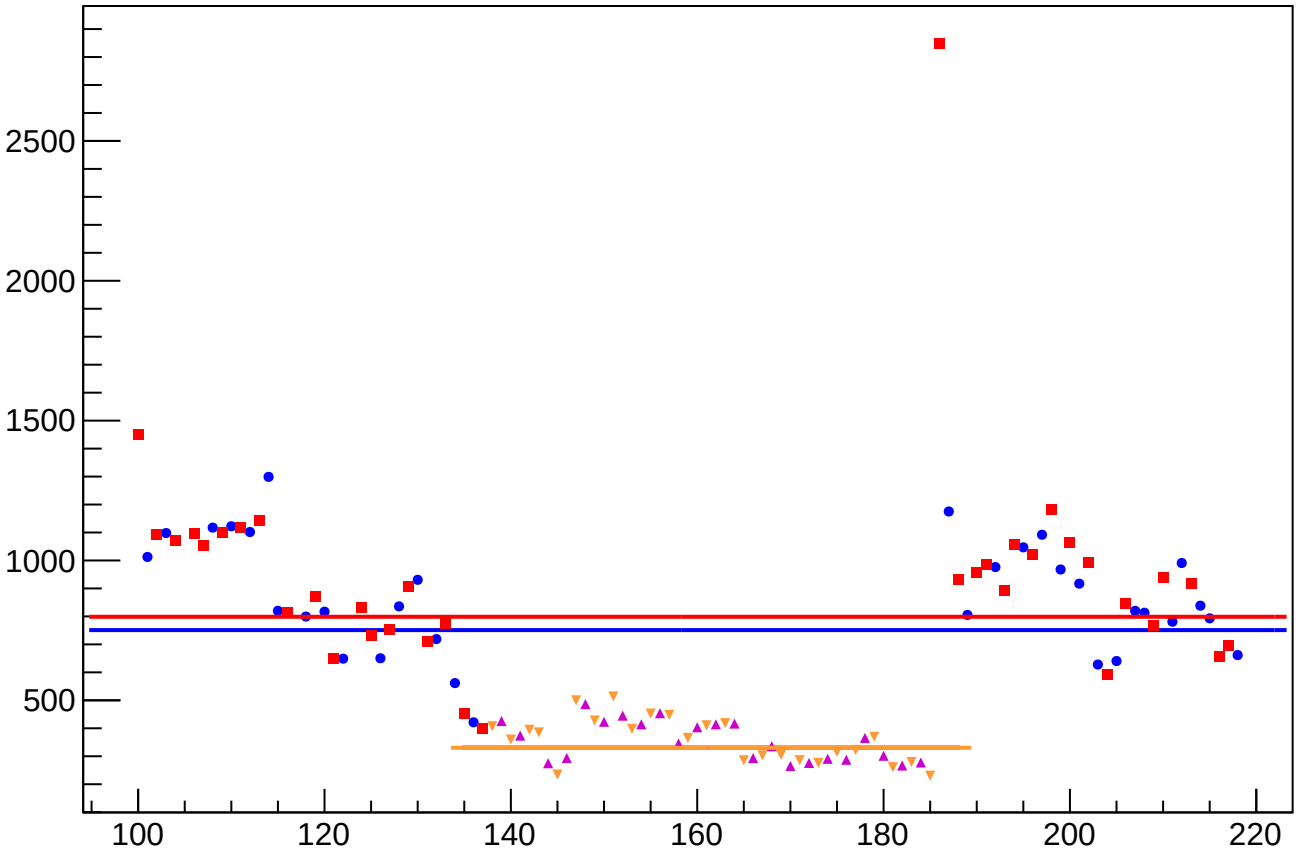
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 237.907+/-126.114 χ^2/NDF: 84.8/67

In: 126.737+/-72.009 χ^2/NDF:85.6/54

Out: 39.524+/-71.099 χ^2/NDF:66.4/60

All: 82.576+/-50.593 χ^2/NDF: 152.7/115



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: 798.767+/-0.130 χ^2/NDF: 3036110.9/35

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

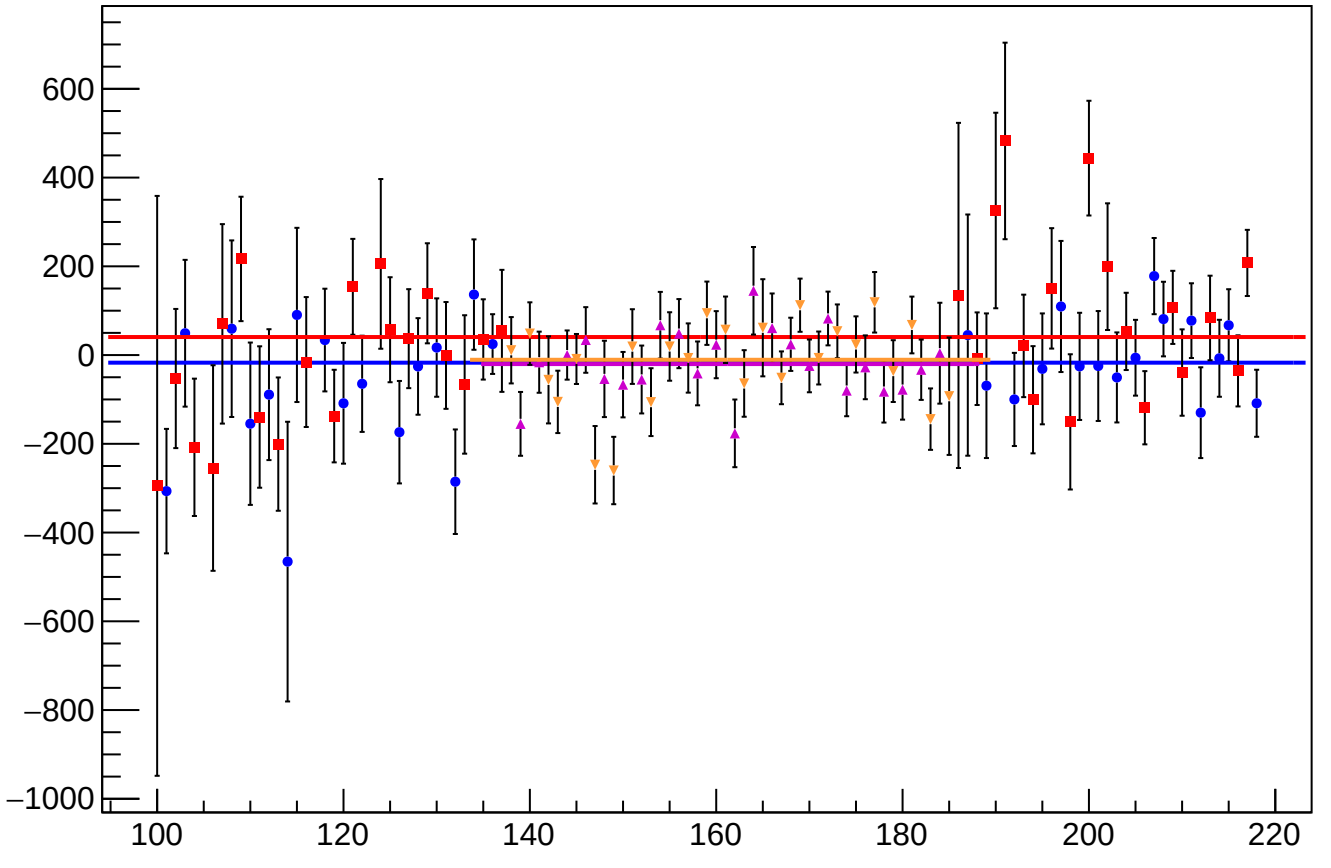
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 773.621+/-0.089 χ^2/NDF: 5780259.7/67

In: 403.205+/-0.051 χ^2/NDF:13677781.7/54

Out: 400.830+/-0.050 χ^2/NDF:15876294.8/60

All: 402.002+/-0.036 χ^2/NDF: 29555178.5/11



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: 40.640+/-20.033 χ^2/NDF: 48.3/35

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

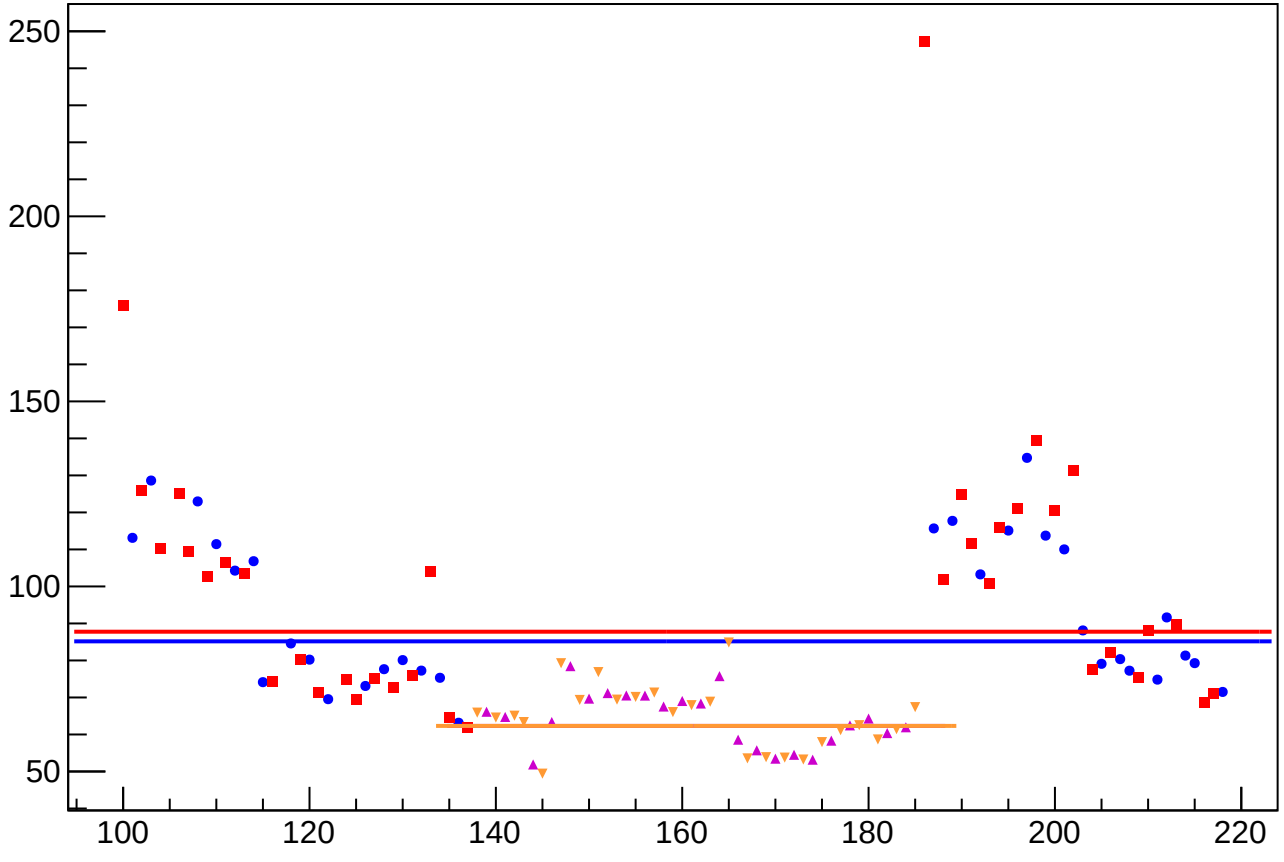
Right: 10.967+/-13.974 χ^2/NDF: 83.4/67

In: -19.158+/-11.764 χ^2/NDF:52.5/54

Out: 6.704+/-11.645 χ^2/NDF:94.8/60

All: -6.095+/-8.276 χ^2/NDF: 149.8/115

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: 87.770+/-0.014 χ^2/NDF: 2324865.8/35

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

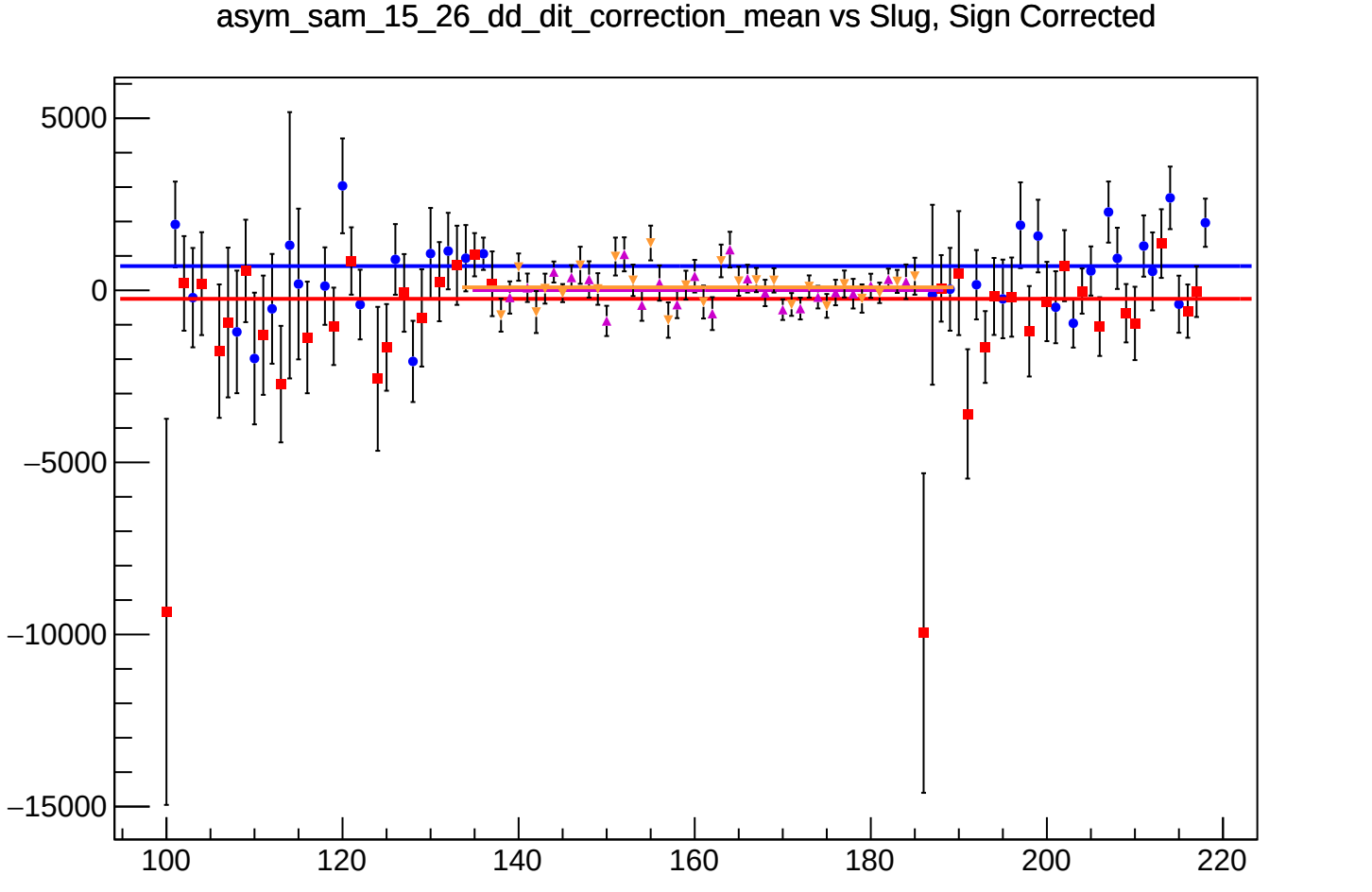
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 86.432+/-0.010 χ^2/NDF: 3888062.2/67

In: 70.627+/-0.008 χ^2/NDF:3777494.5/54

Out: 70.917+/-0.008 χ^2/NDF:5098937.0/60

All: 70.773+/-0.006 χ^2/NDF: 8877044.8/115



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: -247.191+/-185.400 χ^2/NDF: 32.1/35

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

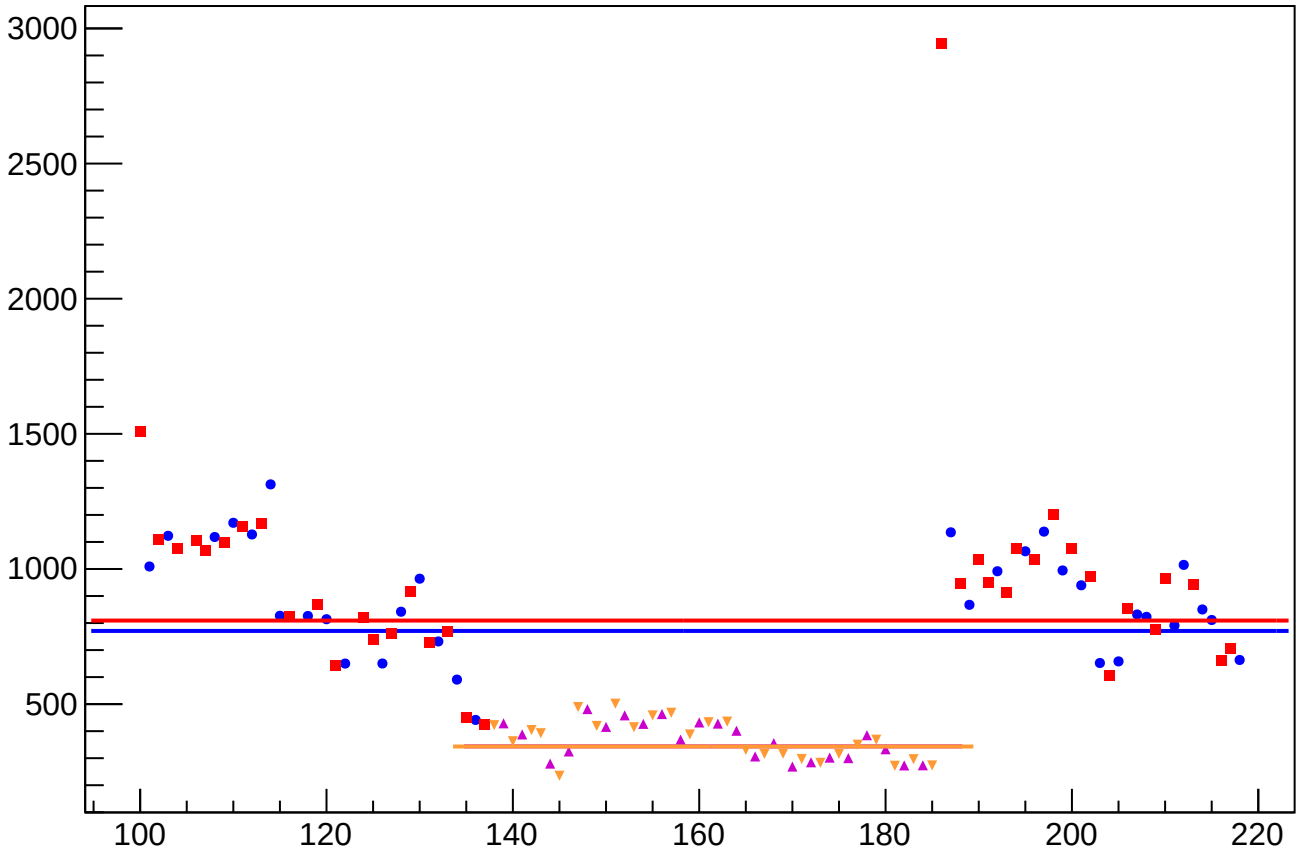
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 248.236+/-128.357 χ^2/NDF: 85.0/67

In: 129.066+/-74.551 χ^2/NDF:84.3/54

Out: 34.711+/-73.327 χ^2/NDF:66.5/60

All: 81.107+/-52.277 χ^2/NDF: 151.6/115



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: 809.199+/-0.131 χ^2/NDF: 3045448.0/35

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

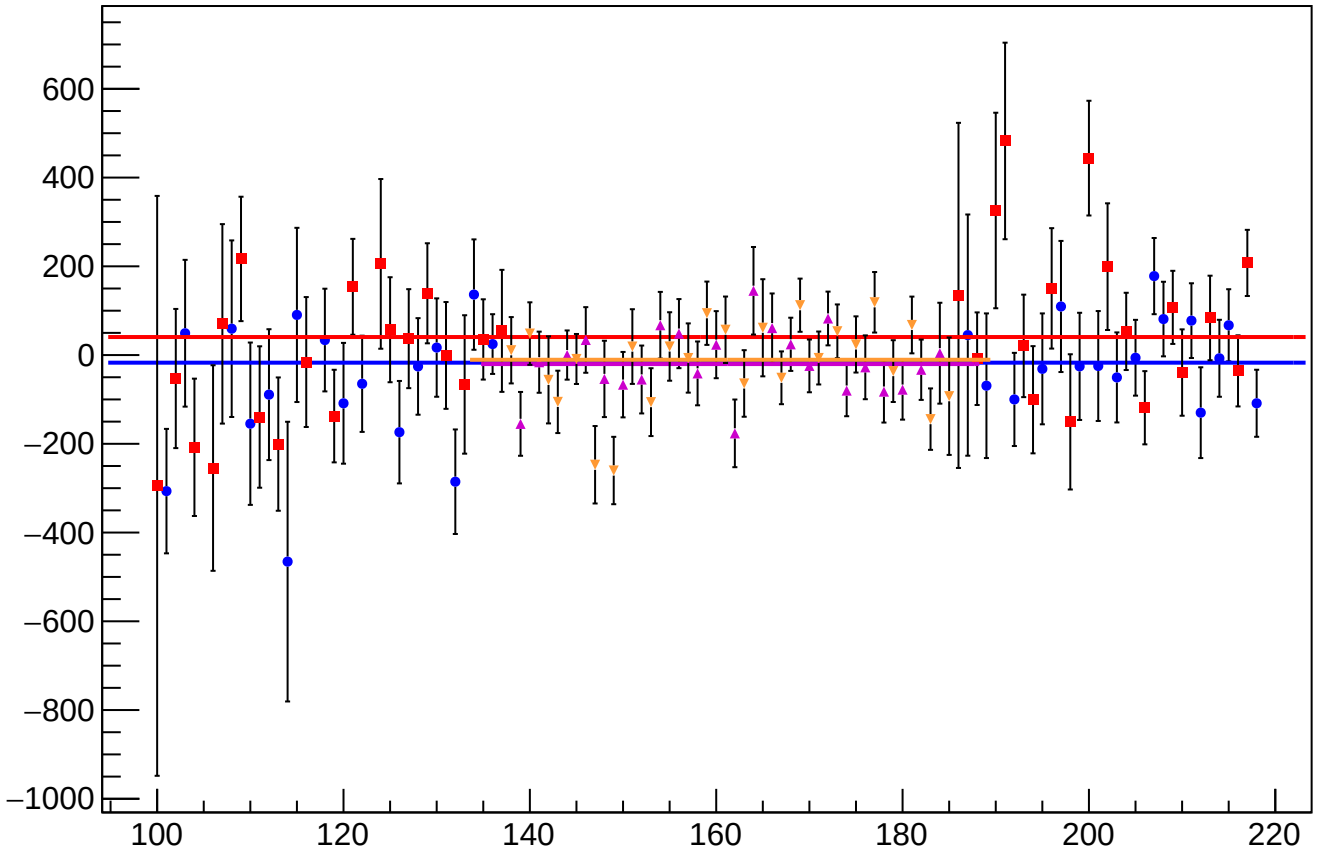
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 789.204+/-0.091 χ^2/NDF: 5633607.8/67

In: 418.734+/-0.053 χ^2/NDF:13305807.5/54

Out: 416.115+/-0.052 χ^2/NDF:15298436.0/60

All: 417.403+/-0.037 χ^2/NDF: 28605497.9/11



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: 40.640+/-20.033 χ^2/NDF: 48.3/35

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

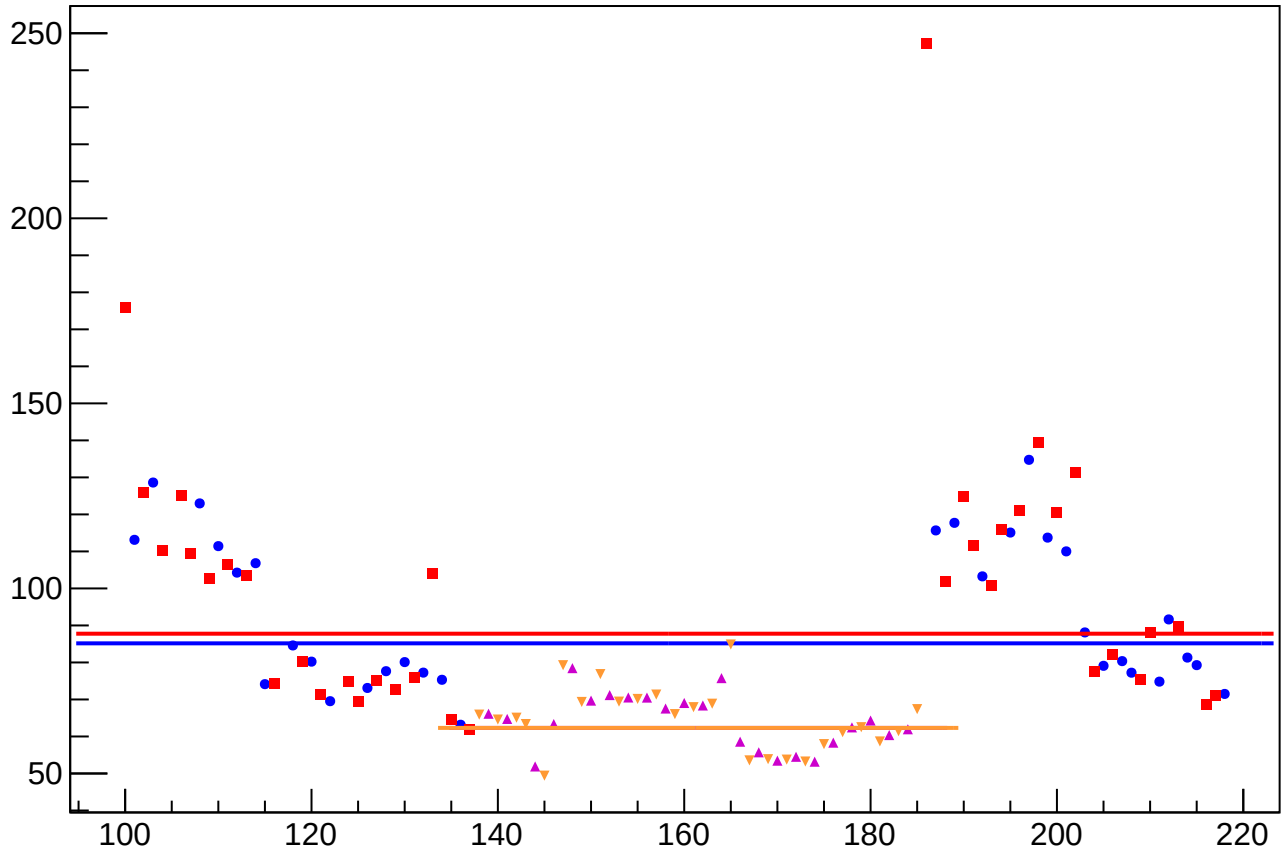
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 10.966+/-13.974 χ^2/NDF: 83.4/67

In: -19.159+/-11.764 χ^2/NDF:52.5/54

Out: 6.705+/-11.645 χ^2/NDF:94.8/60

All: -6.095+/-8.276 χ^2/NDF: 149.8/115



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: 87.769+/-0.014 χ^2/NDF: 2324855.4/35

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

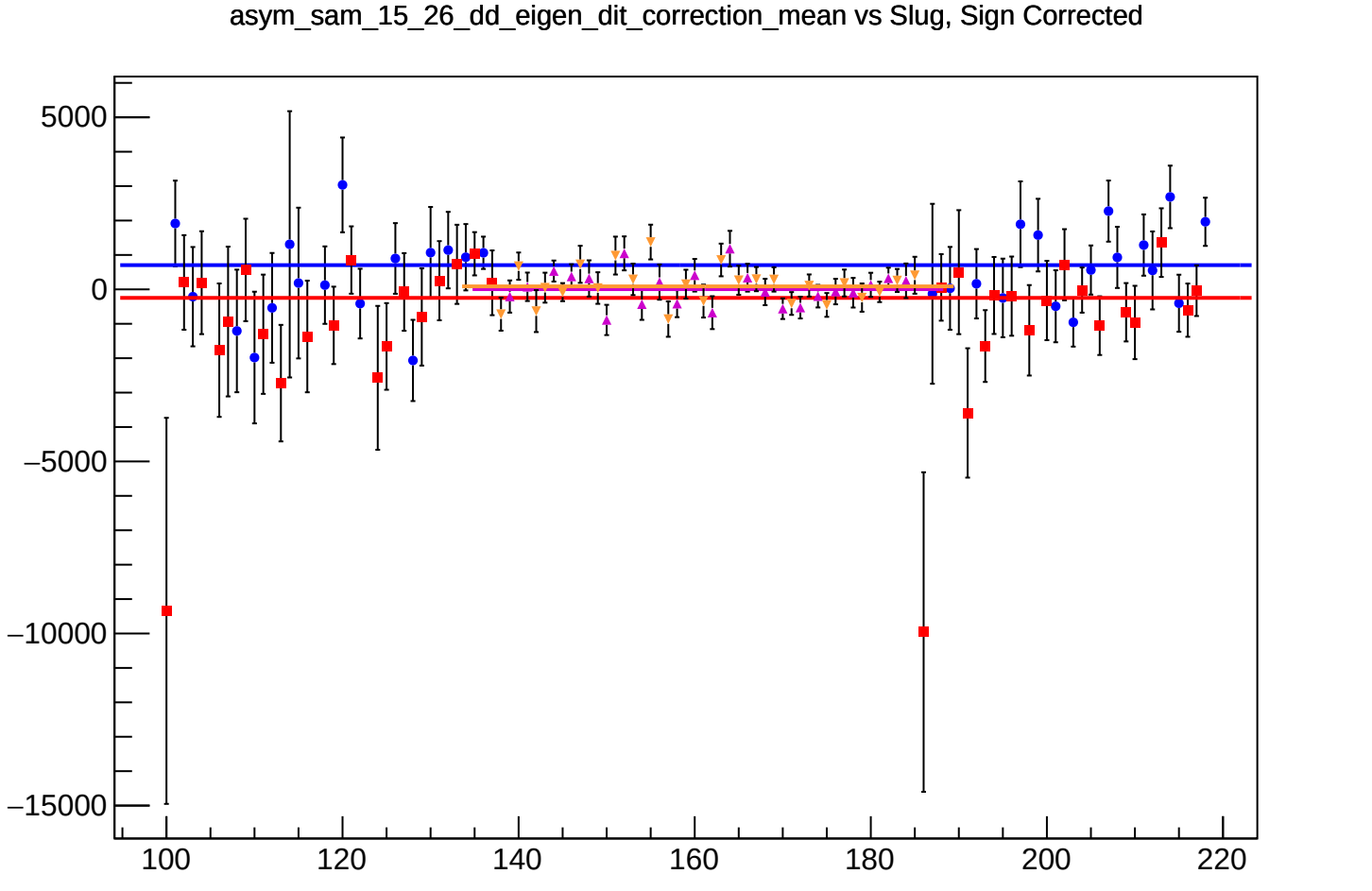
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 86.431+/-0.010 χ^2/NDF: 3888062.0/67

In: 70.627+/-0.008 χ^2/NDF:3777445.7/54

Out: 70.917+/-0.008 χ^2/NDF:5098905.9/60

All: 70.773+/-0.006 χ^2/NDF: 8876964.6/115



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: -247.192+/-185.400 χ^2/NDF: 32.1/35

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

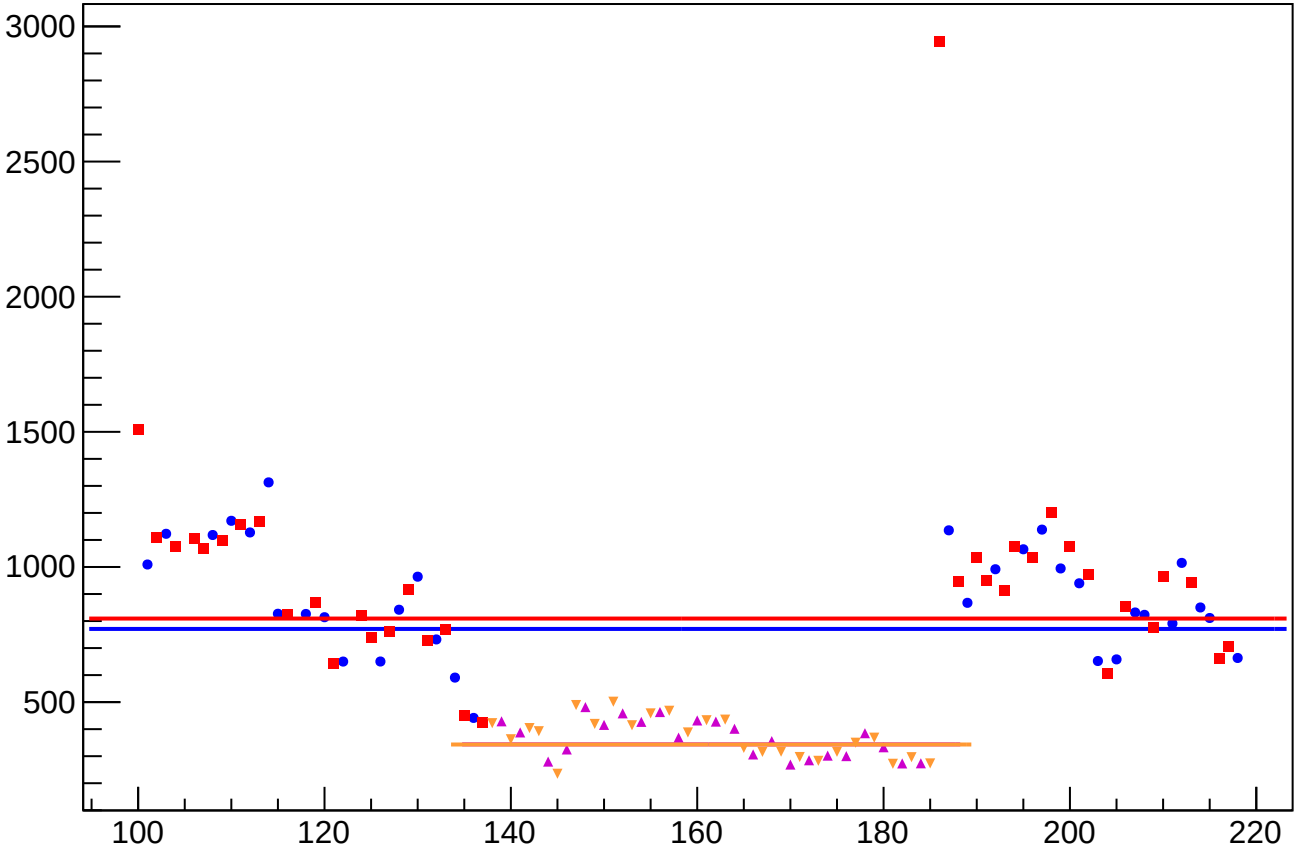
Right: 248.236+/-128.357 χ^2/NDF: 85.0/67

In: 129.066+/-74.551 χ^2/NDF:84.3/54

Out: 34.711+/-73.327 χ^2/NDF:66.5/60

All: 81.108+/-52.277 χ^2/NDF: 151.6/115

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: 809.200+/-0.131 χ^2/NDF: 3045434.7/35

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

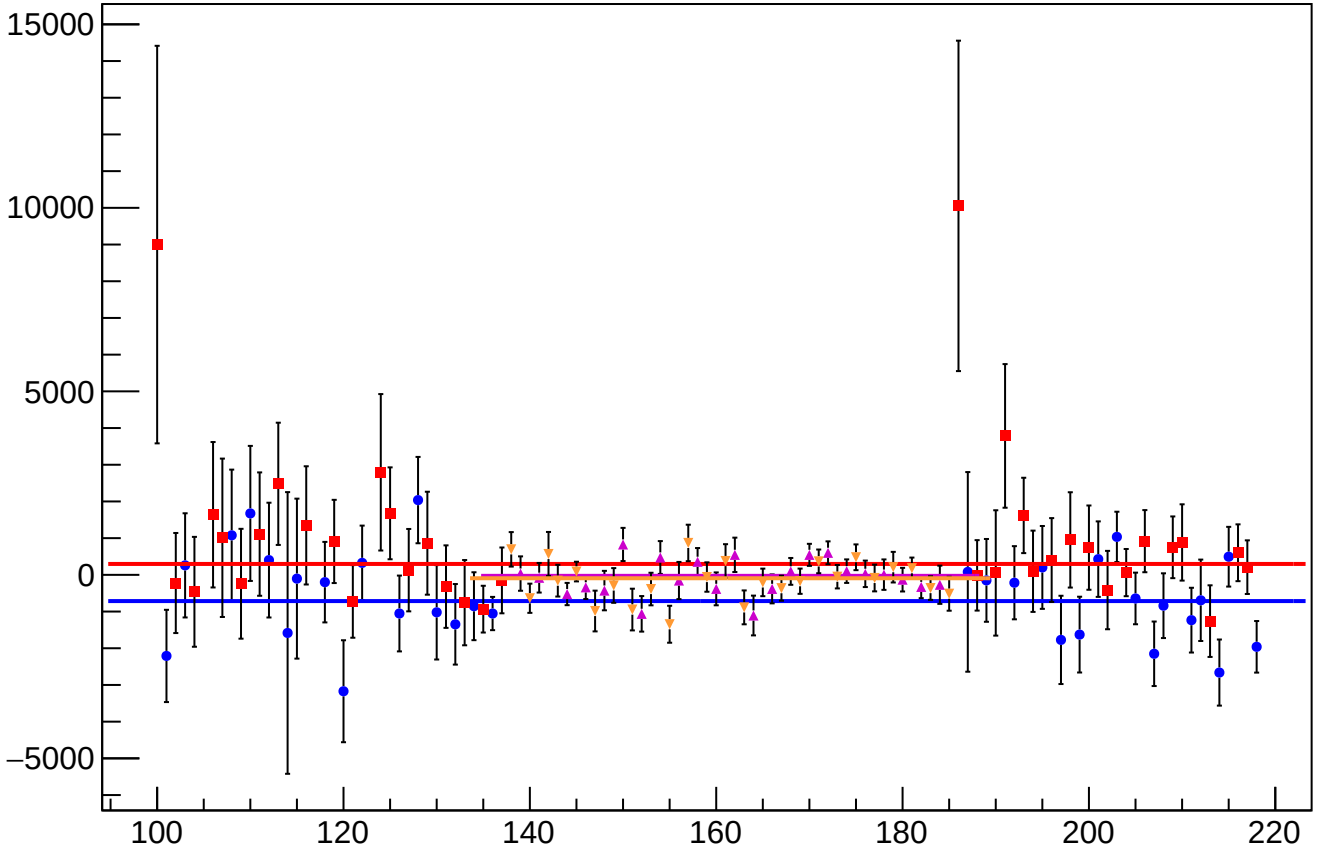
Right: 789.205+/-0.091 χ^2/NDF: 5633583.8/67

In: 418.734+/-0.053 χ^2/NDF:13305805.0/54

Out: 416.115+/-0.052 χ^2/NDF:15298448.3/60

All: 417.403+/-0.037 χ^2/NDF: 28605507.8/1

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: 297.060+/-184.175 χ^2/NDF: 29.9/35

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

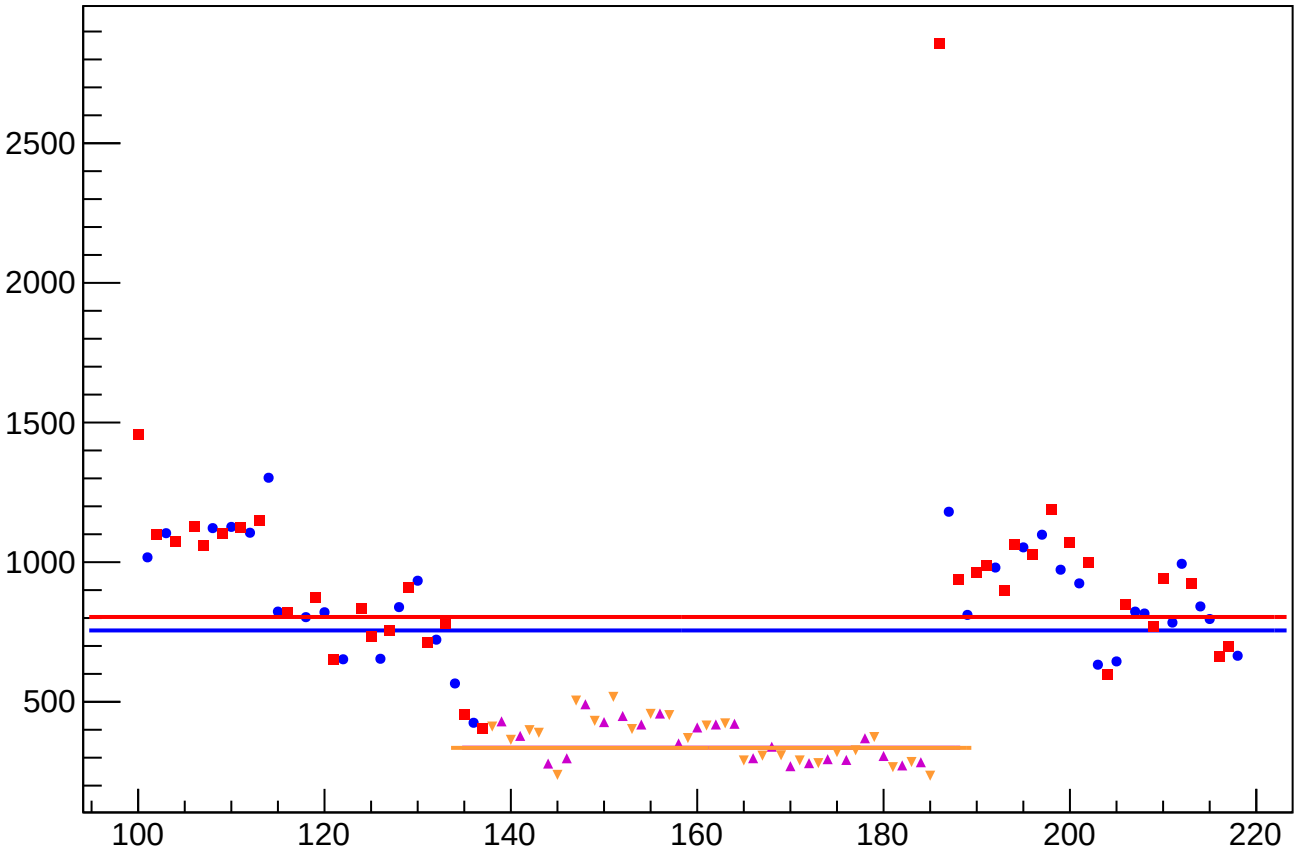
Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

Right: -235.415+/-126.756 χ^2/NDF: 85.5/67

In: -146.830+/-72.894 χ^2/NDF:83.5/54

Out: -33.162+/-71.968 χ^2/NDF:67.8/60

All: -89.270+/-51.213 χ^2/NDF: 152.6/115



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: 803.782+/-0.130 χ^2/NDF: 3034508.6/35

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

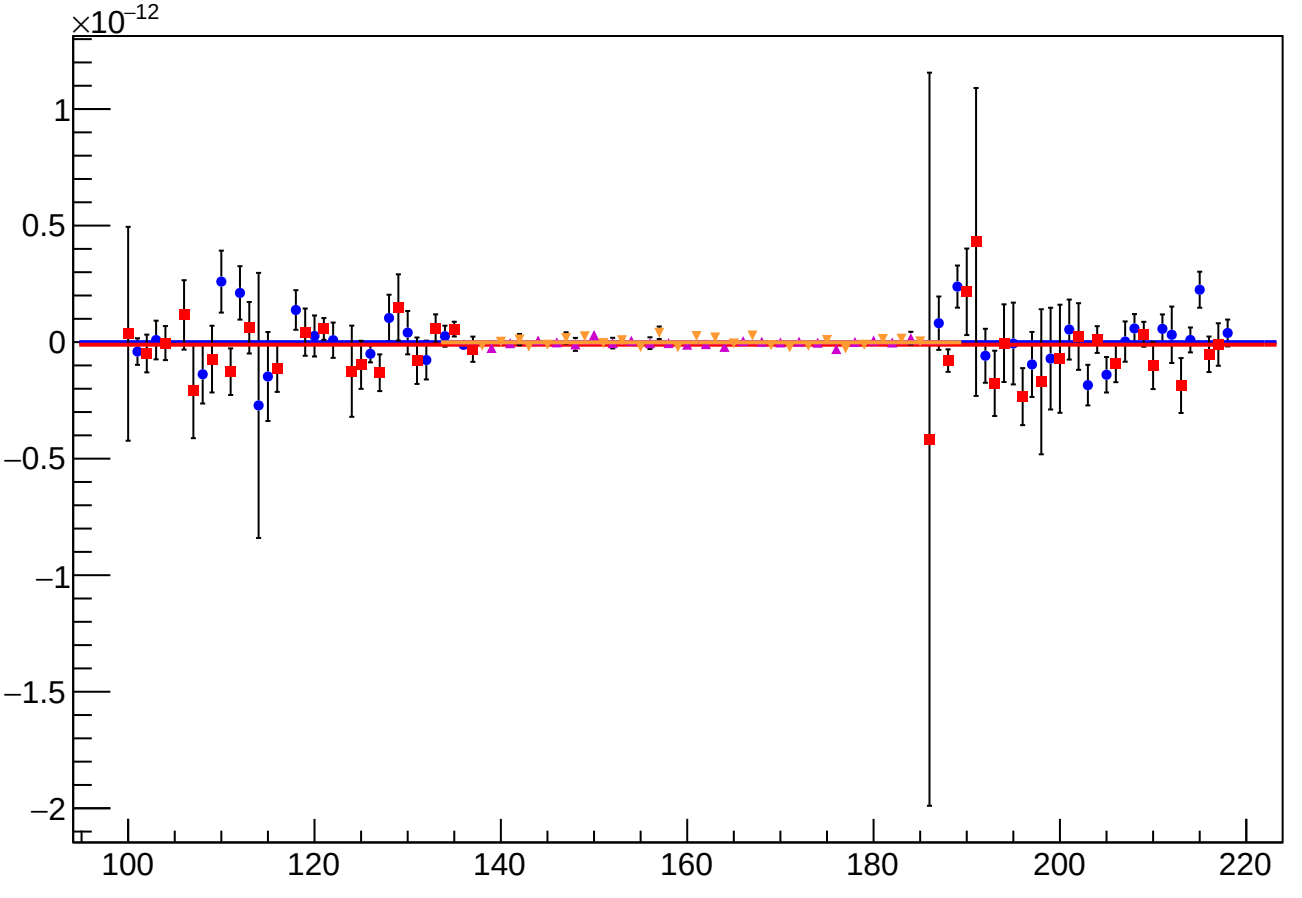
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 778.405+/-0.090 χ^2/NDF: 5753871.1/67

In: 408.854+/-0.052 χ^2/NDF:13474121.5/54

Out: 406.706+/-0.051 χ^2/NDF:15712202.5/60

All: 407.767+/-0.036 χ^2/NDF: 29187203.4/11



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: 32.4/35

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

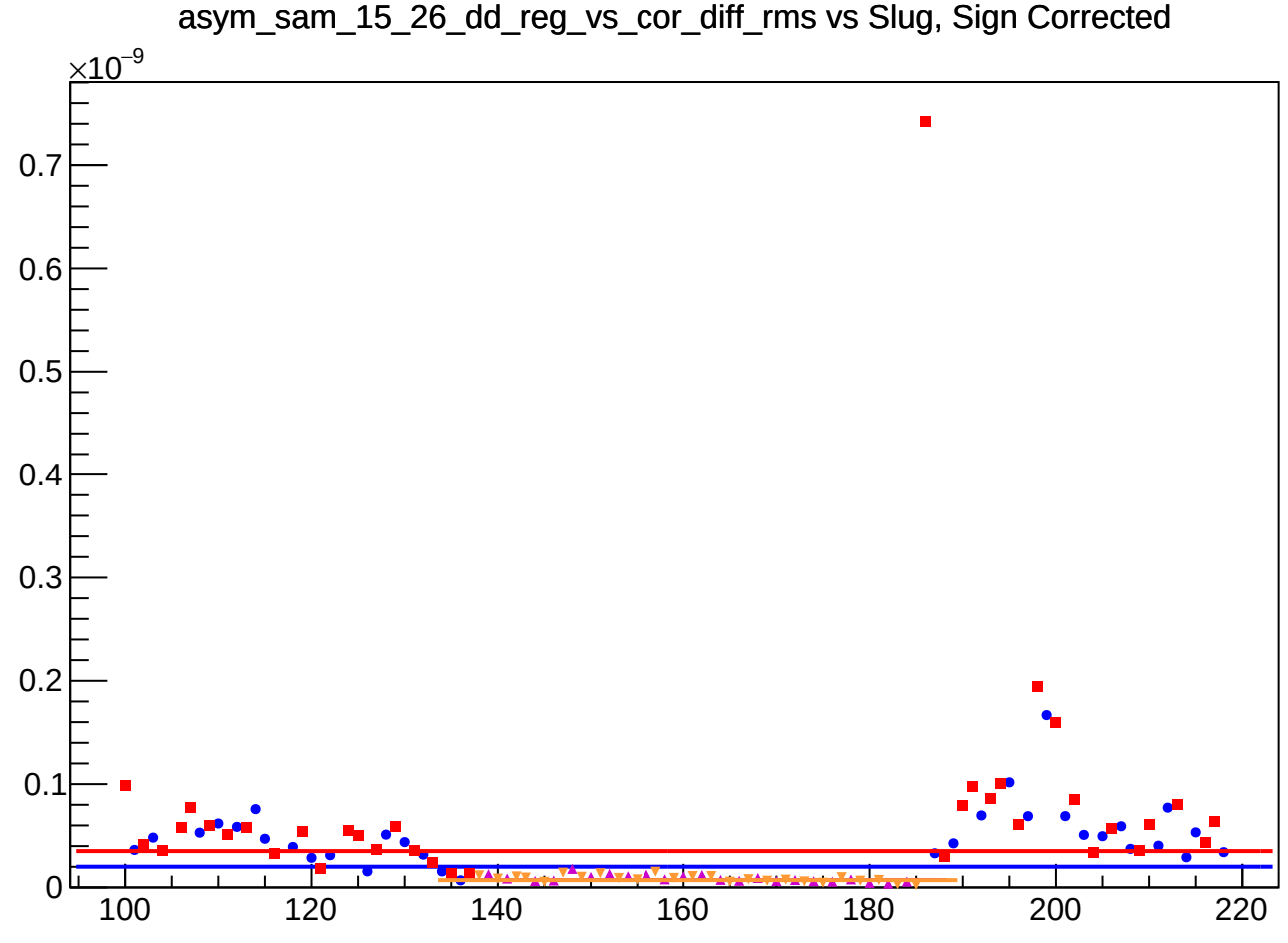
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 77.6/67

In: -0.000+/-0.000 χ^2/NDF:59.6/54

Out: -0.000+/-0.000 χ^2/NDF:66.2/60

All: -0.000+/-0.000 χ^2/NDF: 125.8/115



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: 5493400.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

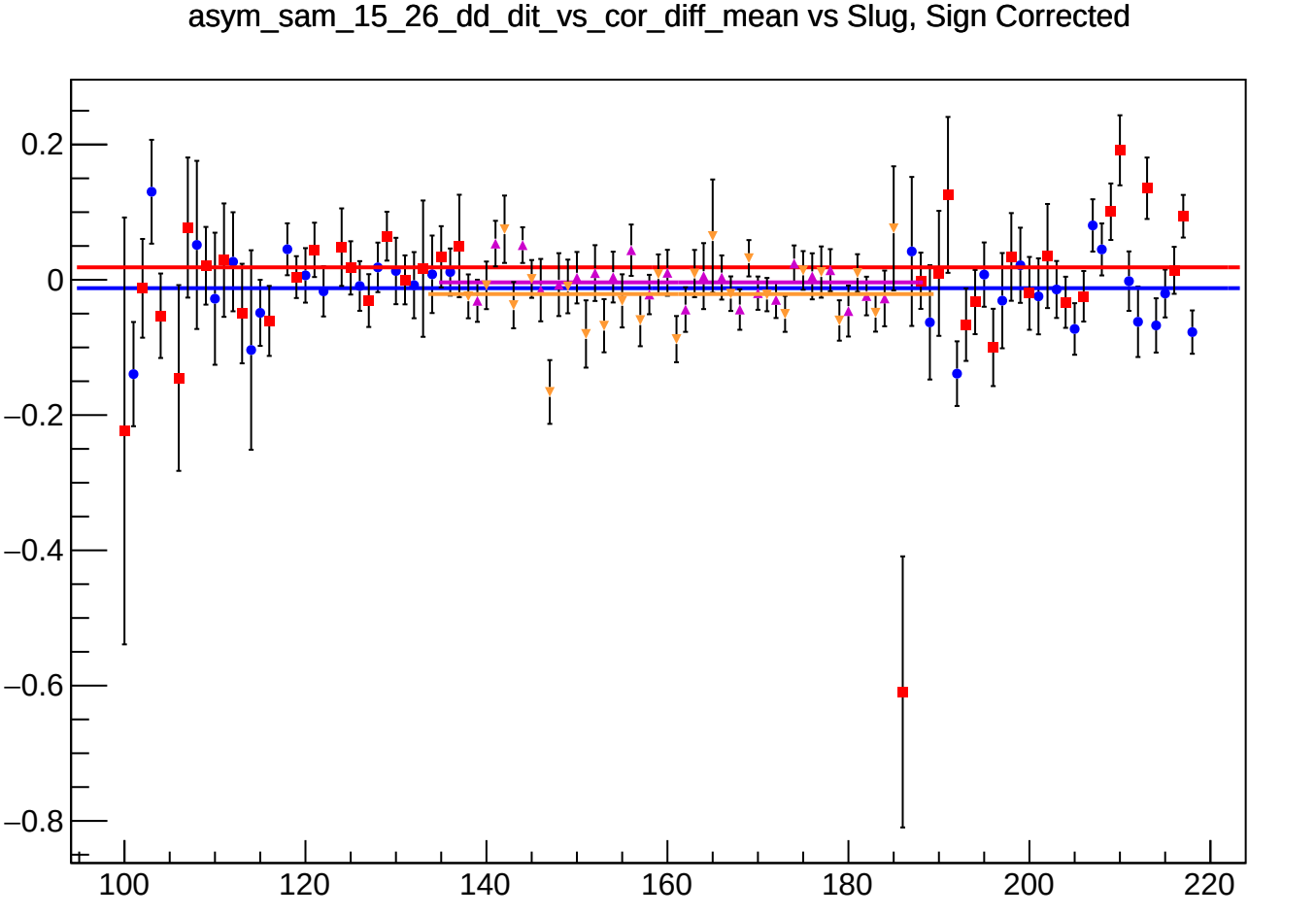
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 15687252.6/67

In: 0.000+/-0.000 χ^2/NDF:13584574.6/54

Out: 0.000+/-0.000 χ^2/NDF:15514266.1/60

All: 0.000+/-0.000 χ^2/NDF: 29102011.8/115



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: 0.018+/-0.008 χ^2/NDF: 61.8/35

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

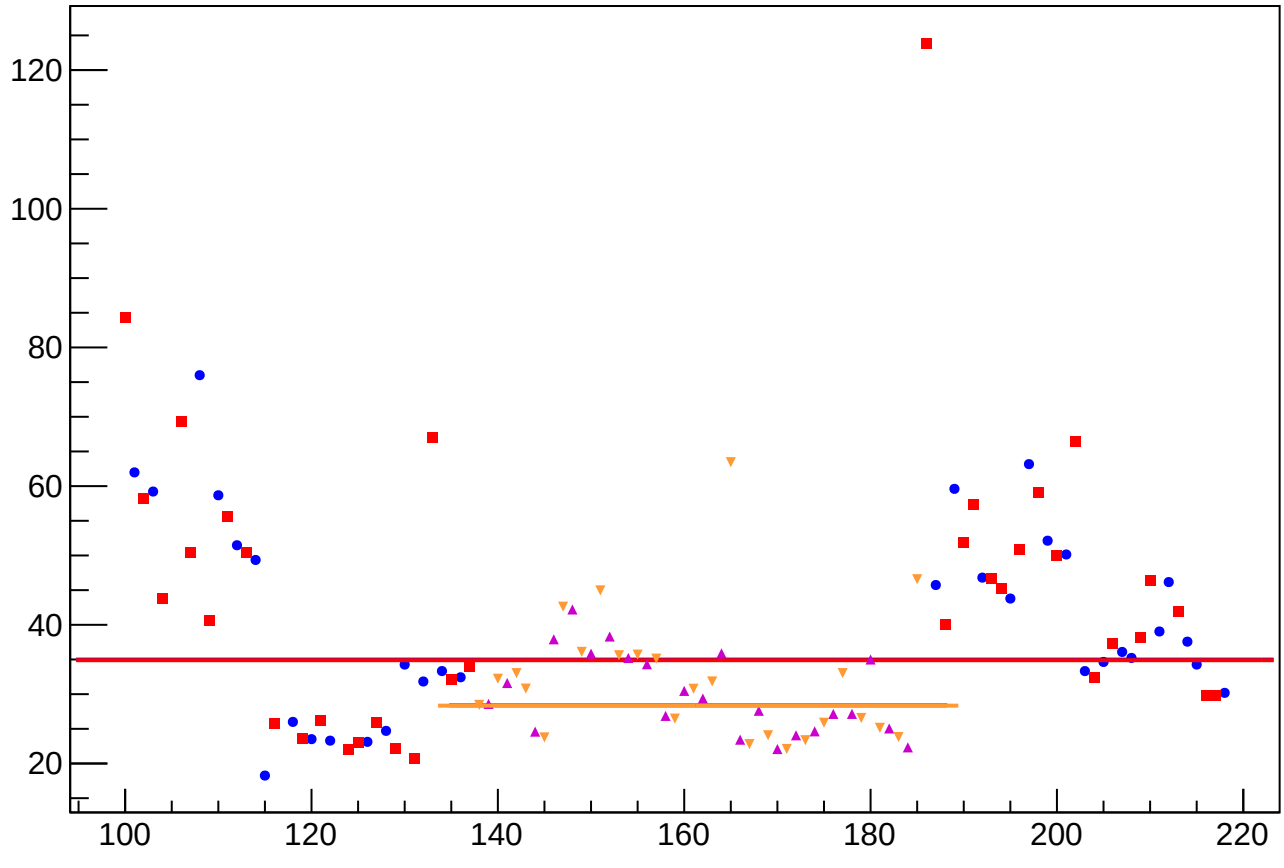
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.003+/-0.006 χ^2/NDF: 106.2/67

In: -0.007+/-0.005 χ^2/NDF:56.8/54

Out: -0.006+/-0.005 χ^2/NDF:112.7/60

All: -0.006+/-0.004 χ^2/NDF: 169.6/115



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: 34.897+/-0.006 χ^2/NDF: 4230457.9/35

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

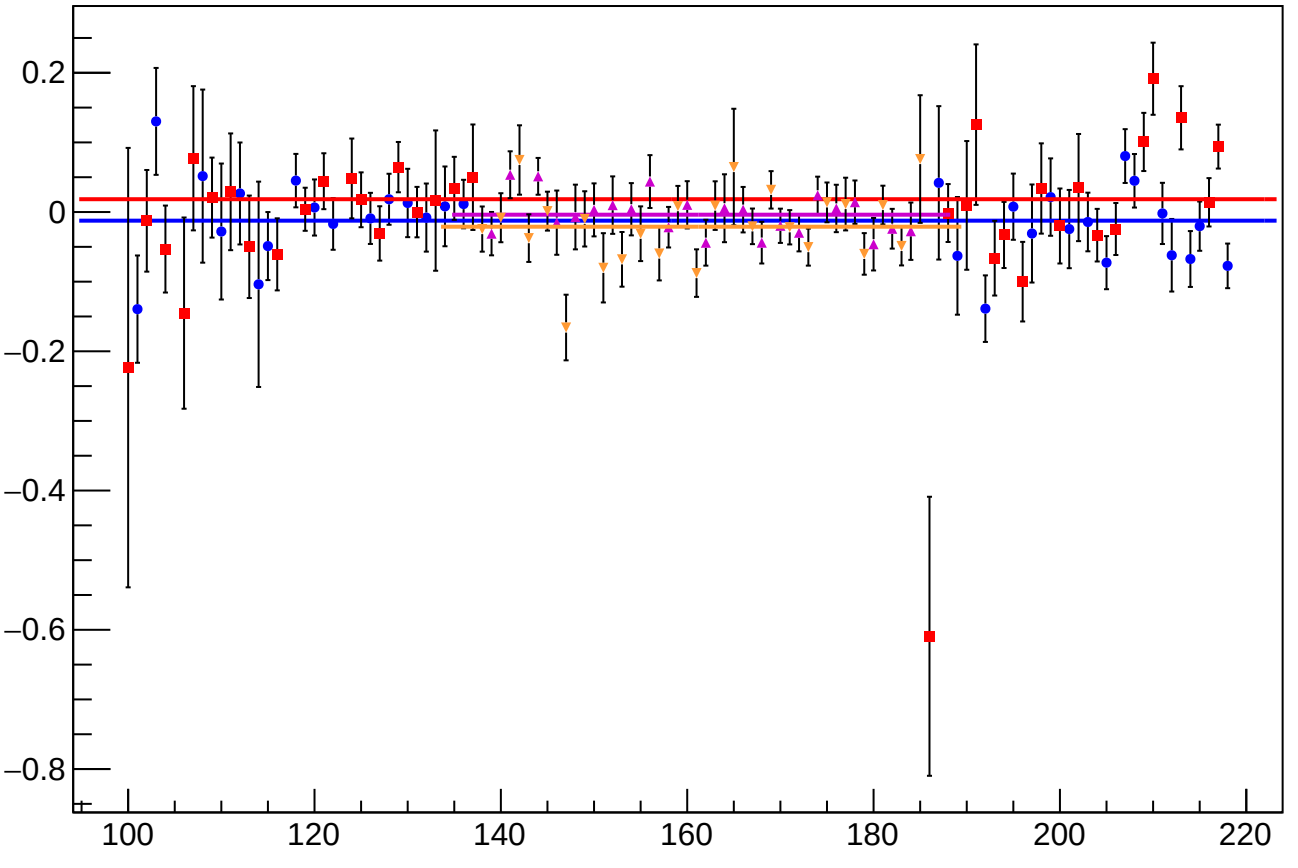
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.939+/-0.004 χ^2/NDF: 7427453.3/67

In: 31.058+/-0.004 χ^2/NDF:5043225.7/54

Out: 30.911+/-0.004 χ^2/NDF:6721189.1/60

All: 30.983+/-0.003 χ^2/NDF: 11765195.0/115



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: 0.018+/-0.008 χ^2/NDF: 61.8/35

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

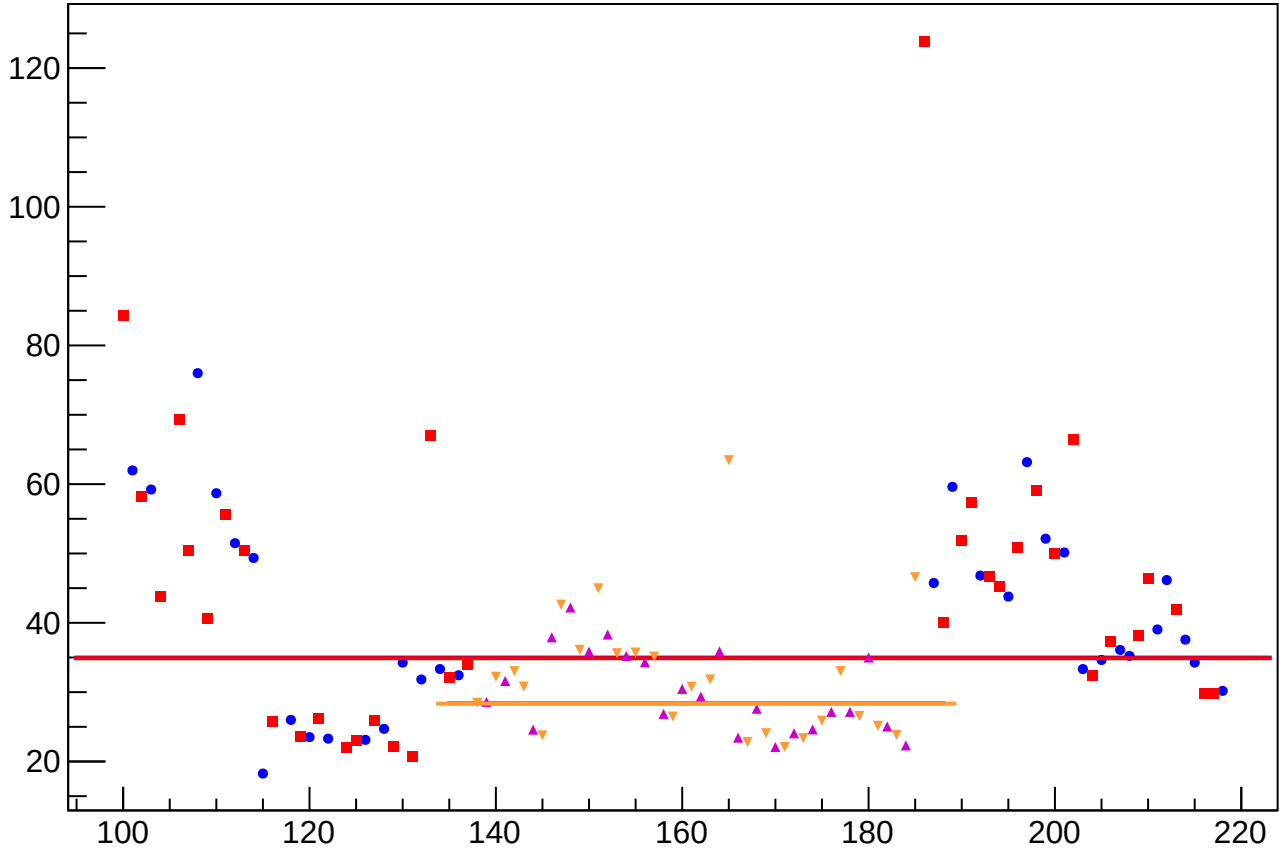
Right: 0.003+/-0.006 χ^2/NDF: 106.2/67

In: -0.007+/-0.005 χ^2/NDF:56.8/54

Out: -0.006+/-0.005 χ^2/NDF:112.7/60

All: -0.006+/-0.004 χ^2/NDF: 169.6/115

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: 34.897+/-0.006 χ^2/NDF: 4230457.9/35

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

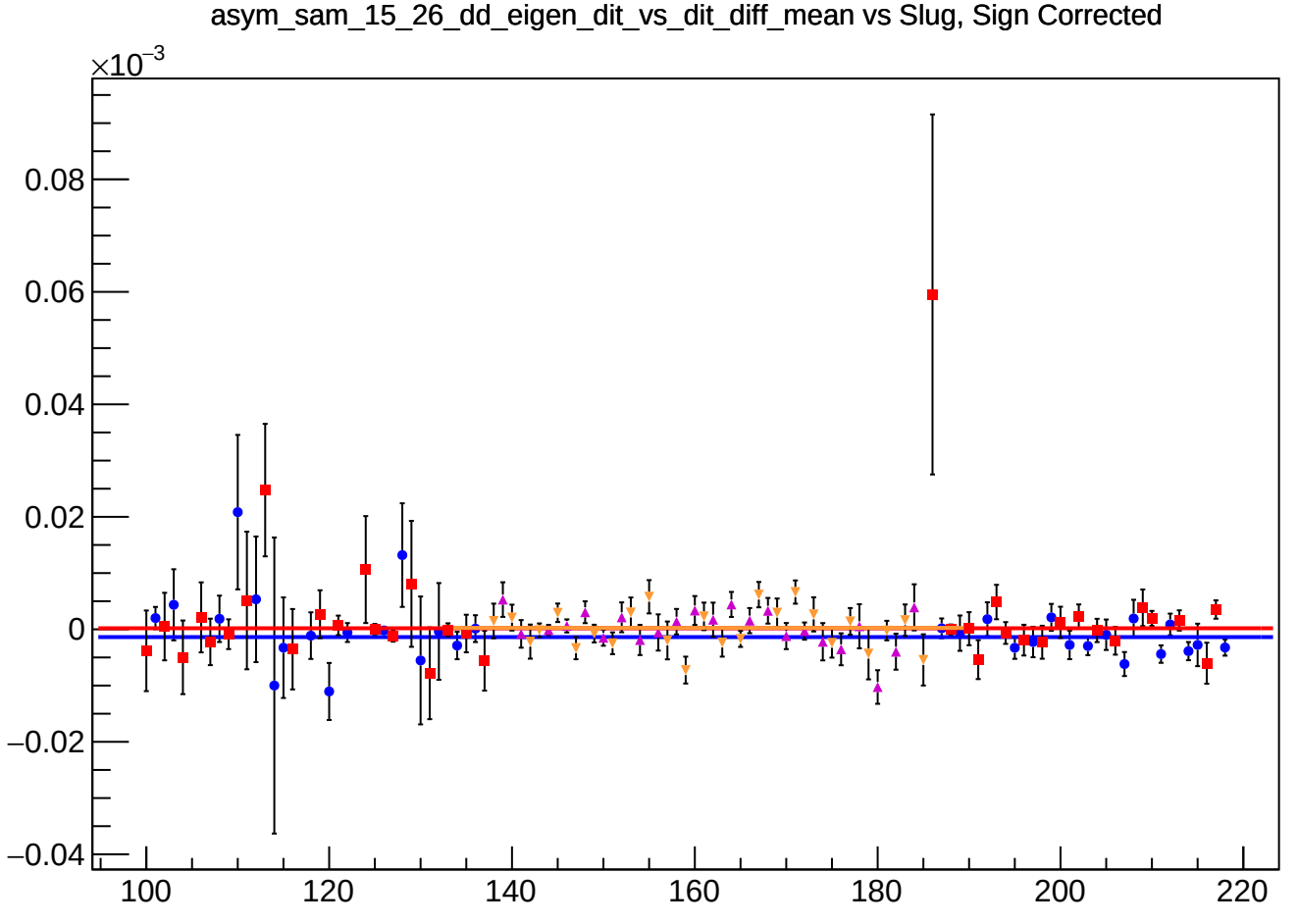
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.939+/-0.004 χ^2/NDF: 7427453.3/67

In: 31.058+/-0.004 χ^2/NDF:5043225.7/54

Out: 30.911+/-0.004 χ^2/NDF:6721189.1/60

All: 30.983+/-0.003 χ^2/NDF: 11765195.0/115



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: 34.9/35

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

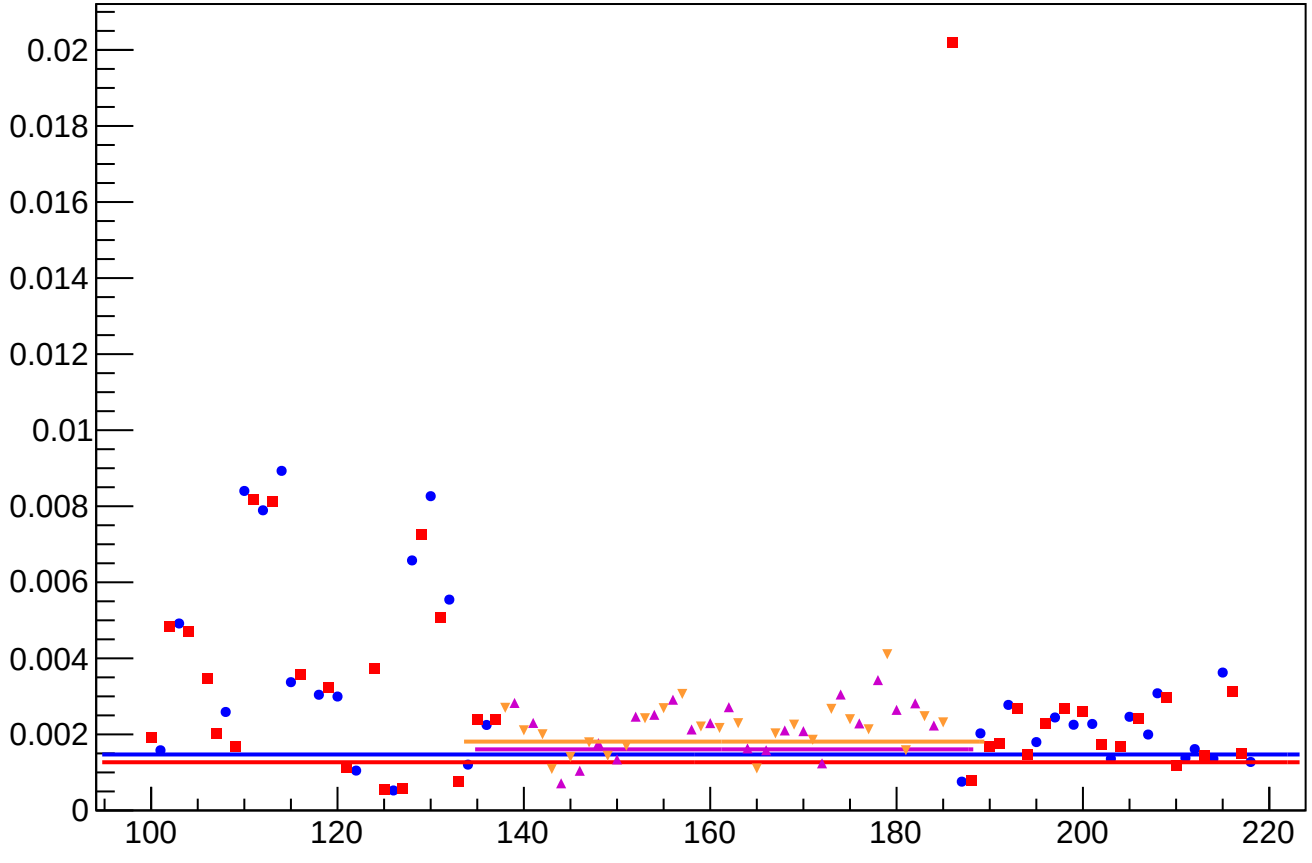
Right: -0.000+/-0.000 χ^2/NDF: 82.2/67

In: -0.000+/-0.000 χ^2/NDF:79.6/54

Out: 0.000+/-0.000 χ^2/NDF:85.7/60

All: -0.000+/-0.000 χ^2/NDF: 169.7/115

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: 12233845.2/35

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

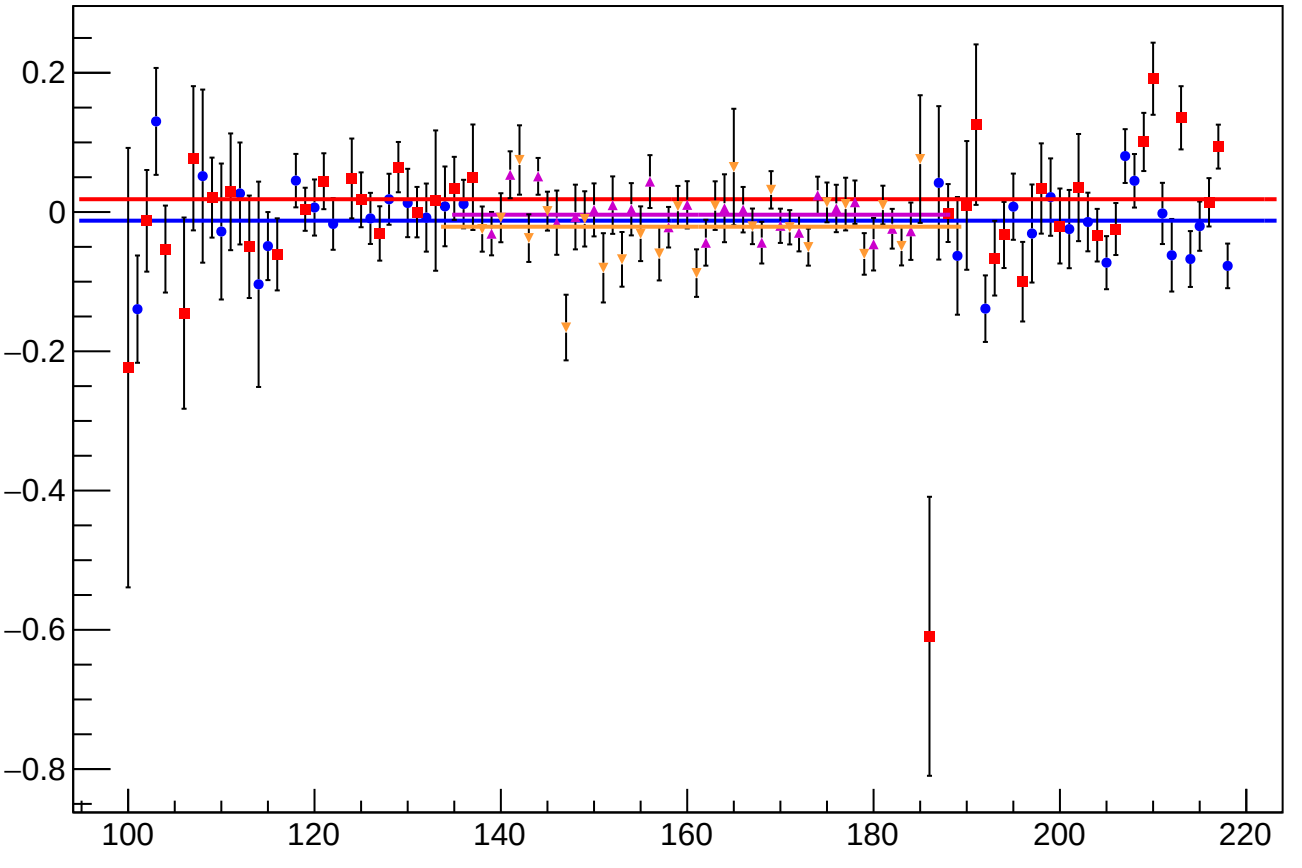
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 22988176.1/67

In: 0.002+/-0.000 χ^2/NDF:16601175.8/54

Out: 0.001+/-0.000 χ^2/NDF:17538557.7/60

All: 0.002+/-0.000 χ^2/NDF: 34170999.4/115



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: 0.018+/-0.008 χ^2/NDF: 61.8/35

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

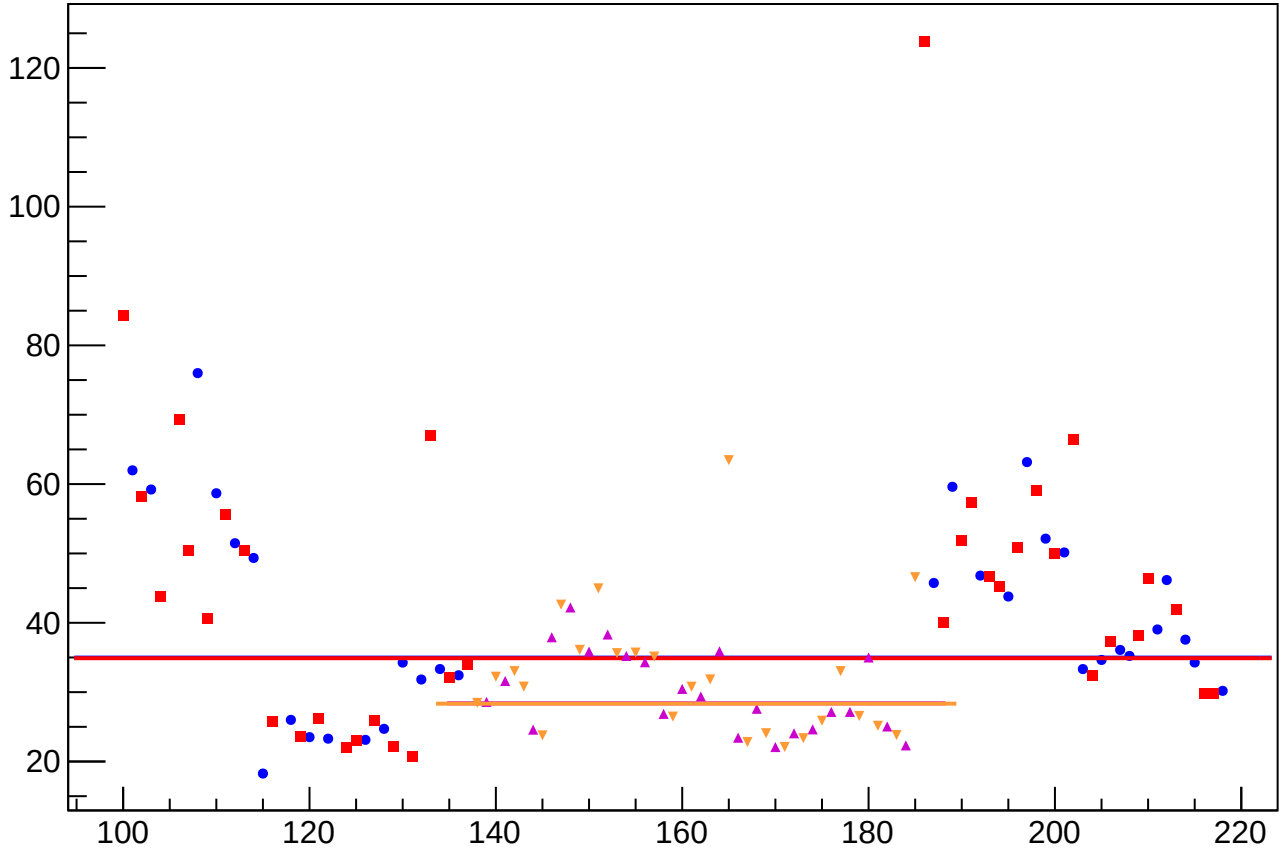
Right: 0.003+/-0.006 χ^2/NDF: 106.2/67

In: -0.007+/-0.005 χ^2/NDF:56.8/54

Out: -0.006+/-0.005 χ^2/NDF:112.7/60

All: -0.006+/-0.004 χ^2/NDF: 169.6/115

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: 34.896+/-0.006 χ^2/NDF: 4230566.1/35

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

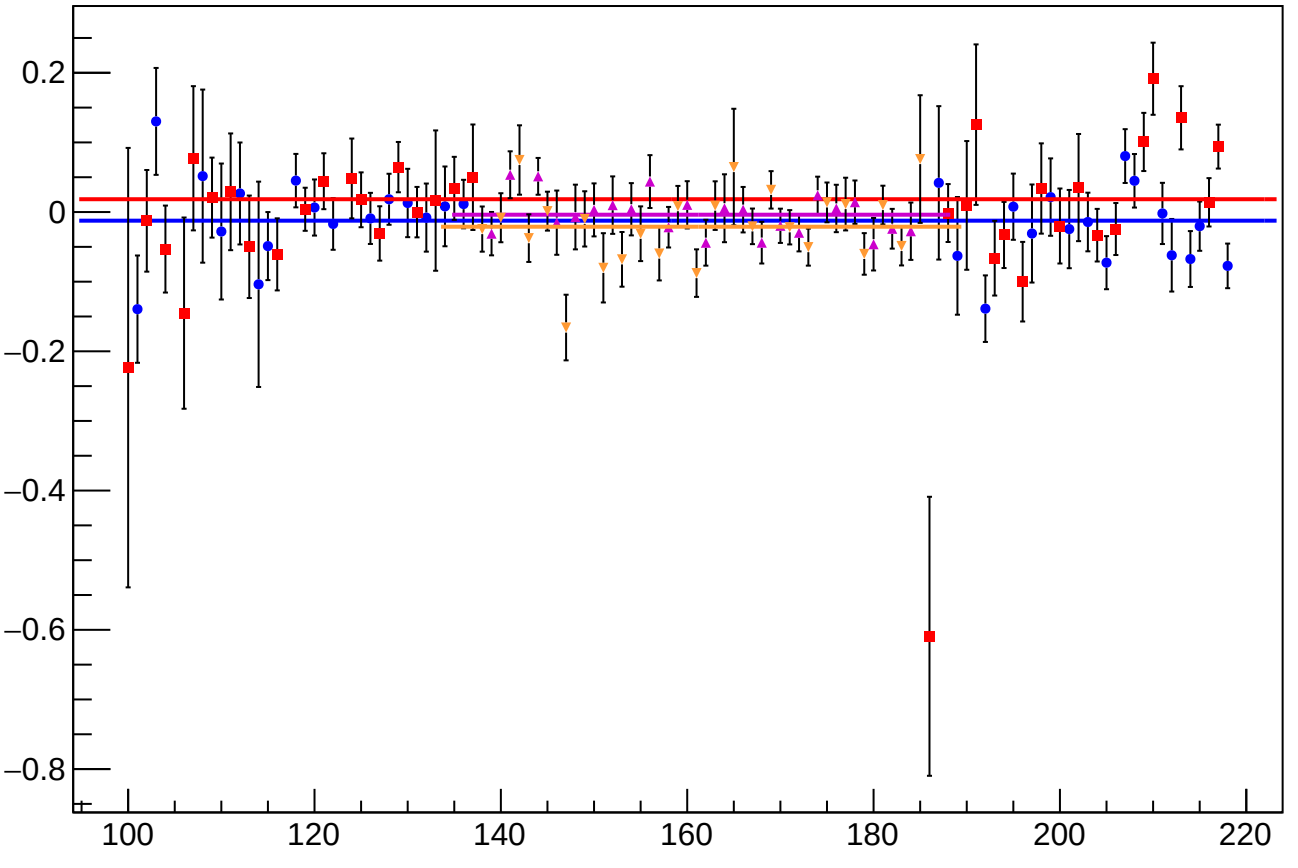
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.938+/-0.004 χ^2/NDF: 7427431.1/67

In: 31.058+/-0.004 χ^2/NDF:5043043.1/54

Out: 30.911+/-0.004 χ^2/NDF:6721203.0/60

All: 30.983+/-0.003 χ^2/NDF: 11765029.0/115



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: 0.018+/-0.008 χ^2/NDF: 61.8/35

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

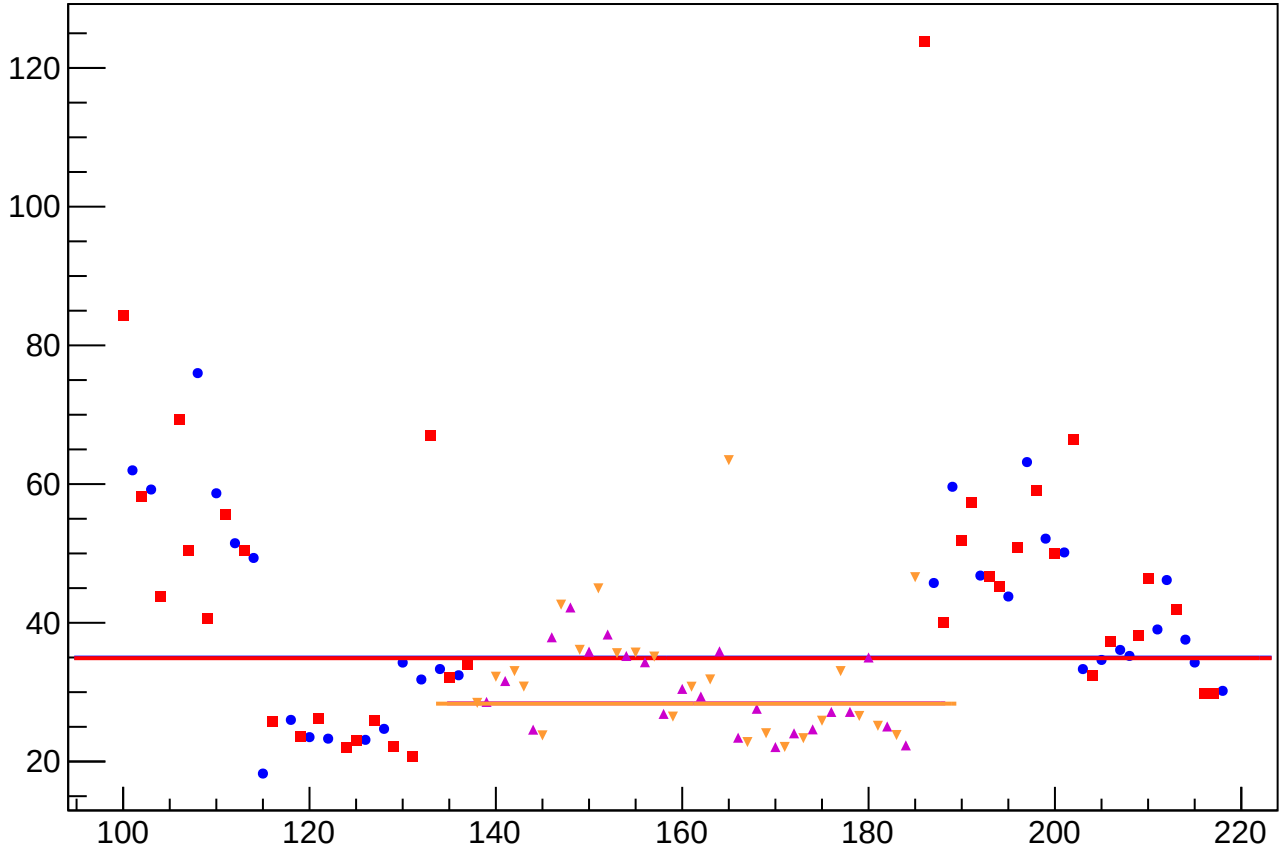
Right: 0.003+/-0.006 χ^2/NDF: 106.2/67

In: -0.007+/-0.005 χ^2/NDF:56.8/54

Out: -0.006+/-0.005 χ^2/NDF:112.7/60

All: -0.006+/-0.004 χ^2/NDF: 169.6/115

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: 34.896+/-0.006 χ^2/NDF: 4230566.1/35

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

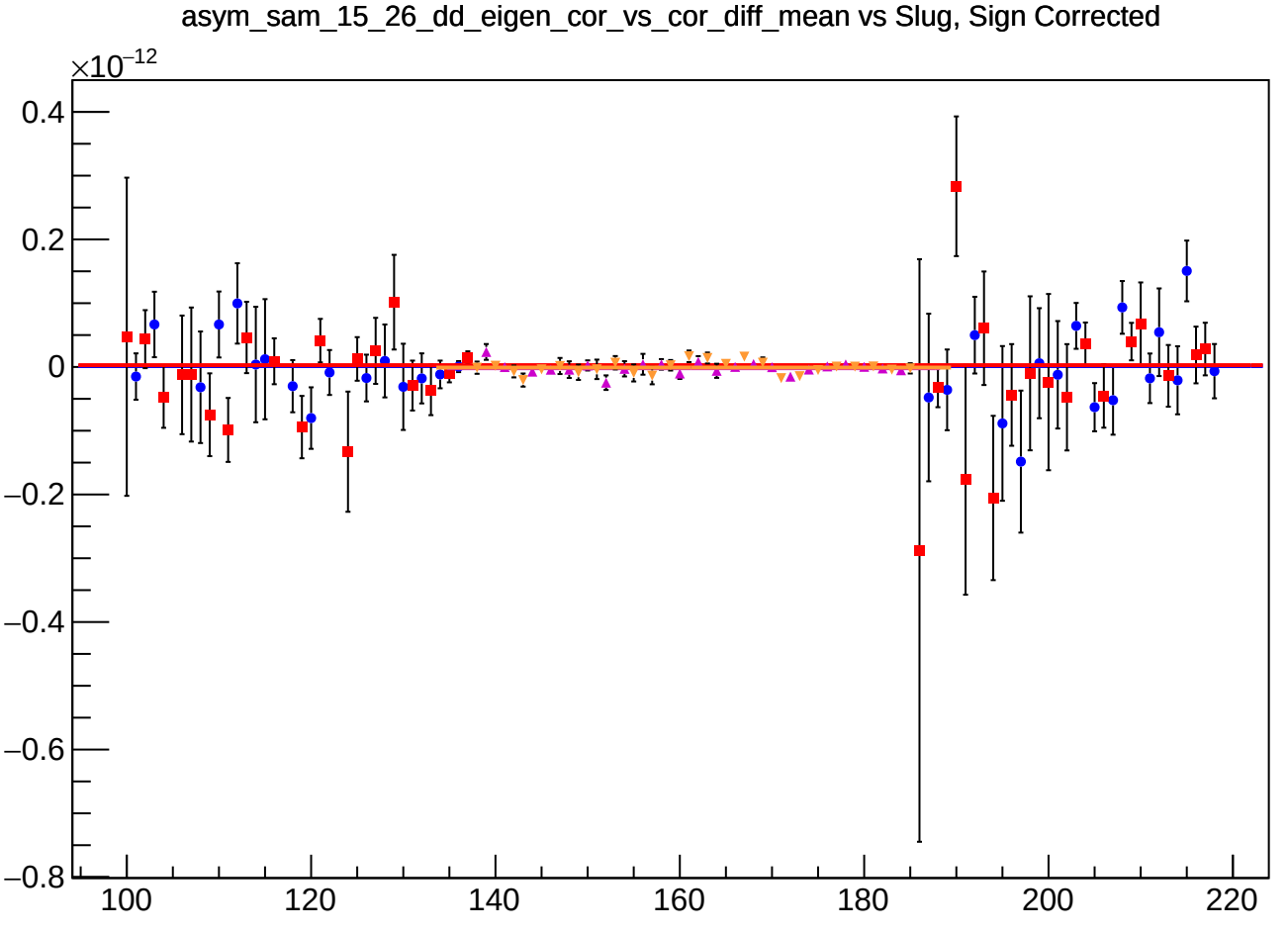
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.938+/-0.004 χ^2/NDF: 7427431.1/67

In: 31.058+/-0.004 χ^2/NDF:5043043.1/54

Out: 30.911+/-0.004 χ^2/NDF:6721203.0/60

All: 30.983+/-0.003 χ^2/NDF: 11765029.0/115



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: 39.6/35

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

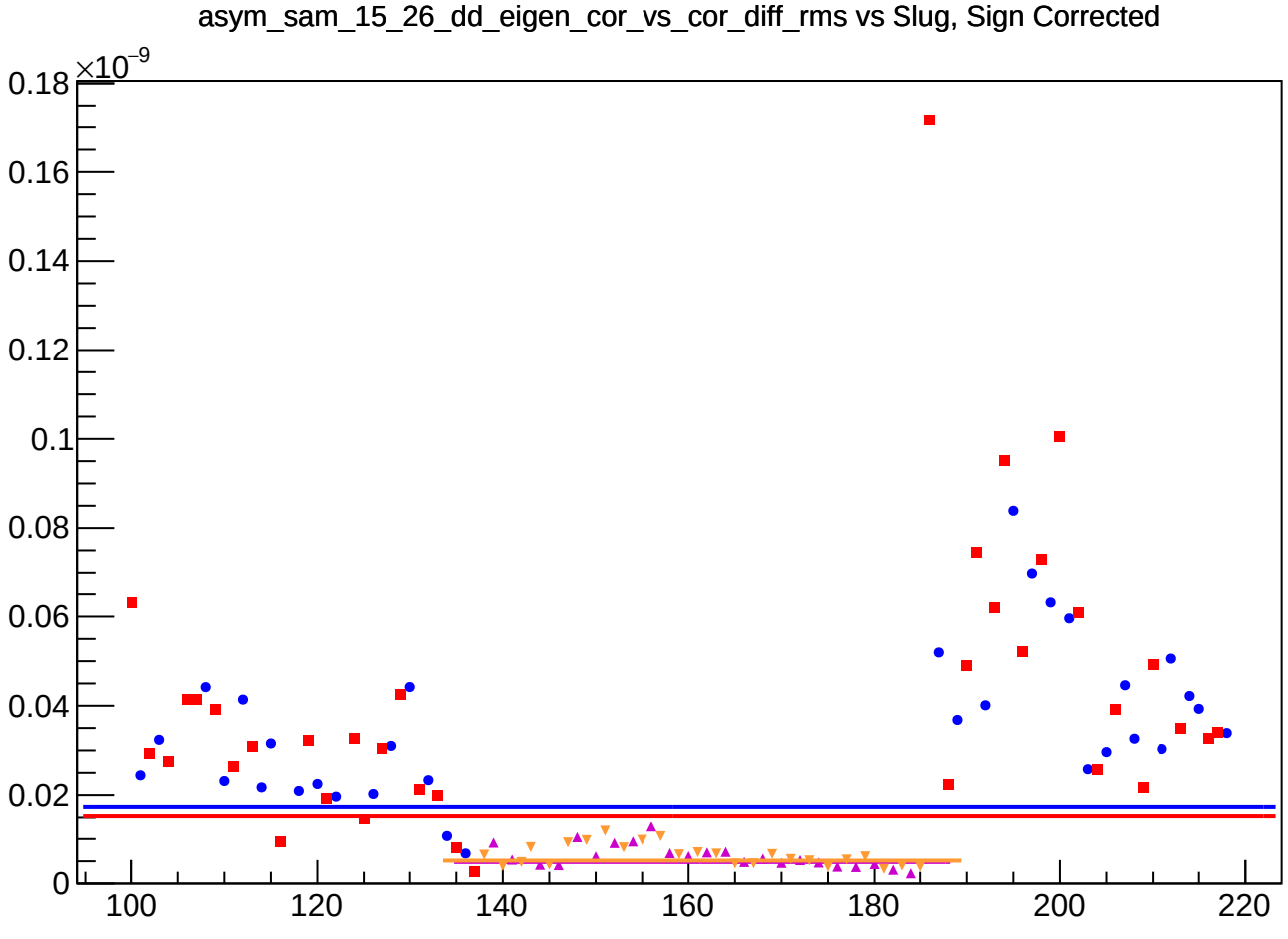
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

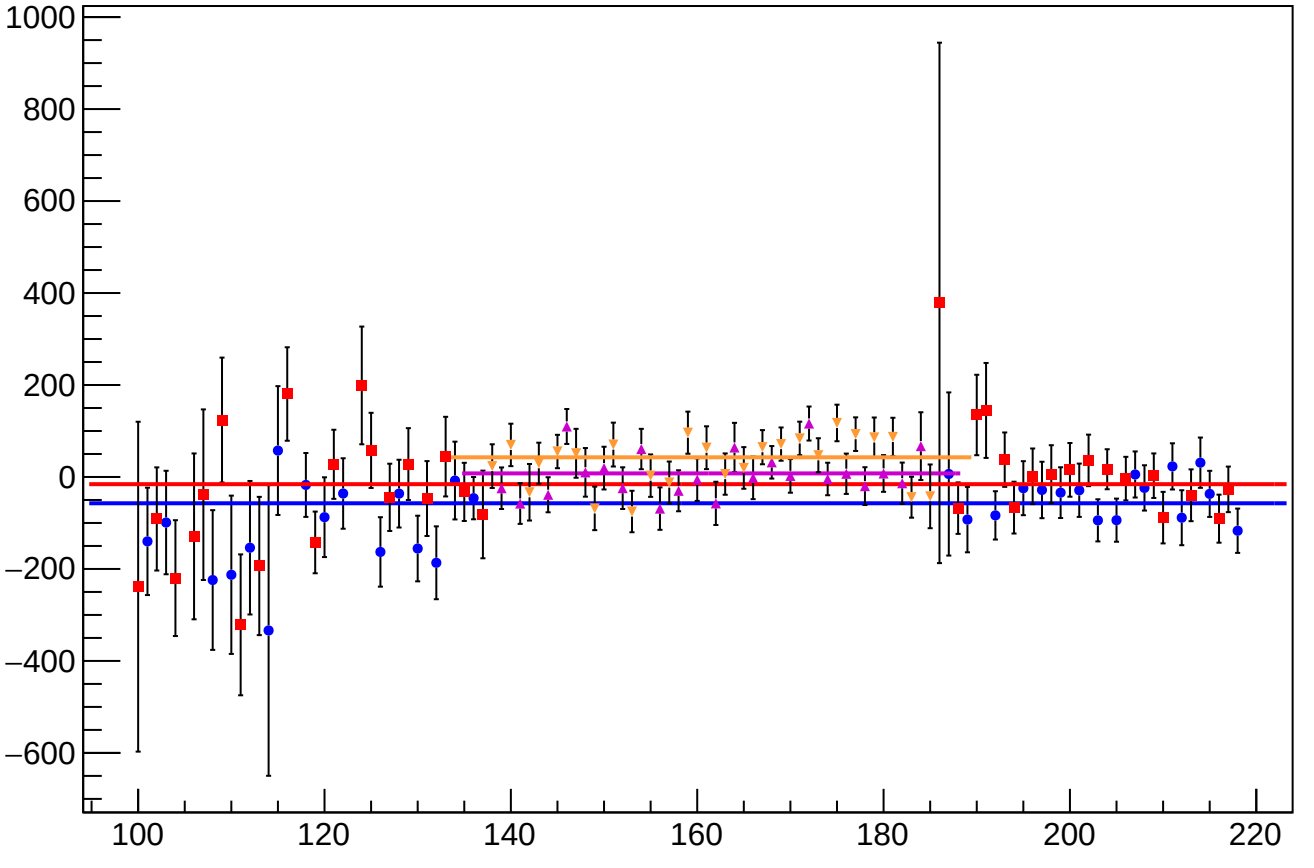
Right: 0.000+/-0.000 χ^2/NDF: 76.6/67

In: -0.000+/-0.000 χ^2/NDF:56.8/54

Out: -0.000+/-0.000 χ^2/NDF:74.1/60

All: -0.000+/-0.000 χ^2/NDF: 131.1/115


asym_sam_15_26_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: 10247359.0/31
Left Out: 0.000+/-0.000 χ²/NDF:3035355.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 12426748.5/35
Left In: 0.000+/-0.000 χ²/NDF:3040812.9/22
Left: 0.000+/-0.000 χ²/NDF: 6121355.4/47
Right: 0.000+/-0.000 χ²/NDF: 22791261.9/67
In: 0.000+/-0.000 χ²/NDF:21344956.1/54
Out: 0.000+/-0.000 χ²/NDF:21012247.0/60
All: 0.000+/-0.000 χ²/NDF: 42382050.5/115



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: -15.651+/-11.827 χ^2/NDF: 37.7/35

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

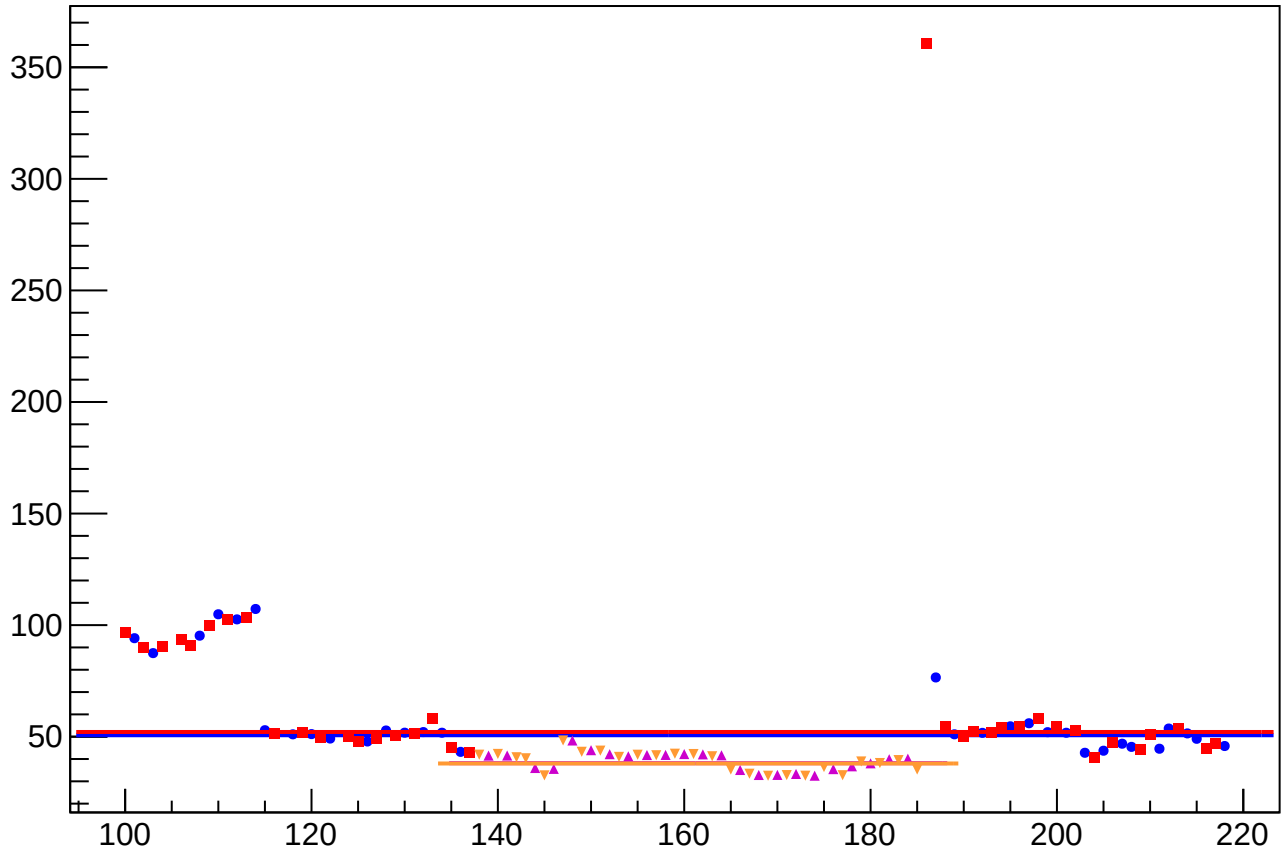
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -36.959+/-8.253 χ^2/NDF: 68.1/67

In: -16.748+/-7.080 χ^2/NDF:74.5/54

Out: 22.260+/-7.007 χ^2/NDF:88.2/60

All: 2.958+/-4.980 χ^2/NDF: 178.0/115



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: 52.113+/-0.008 χ^2/NDF: 2303882.2/35

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

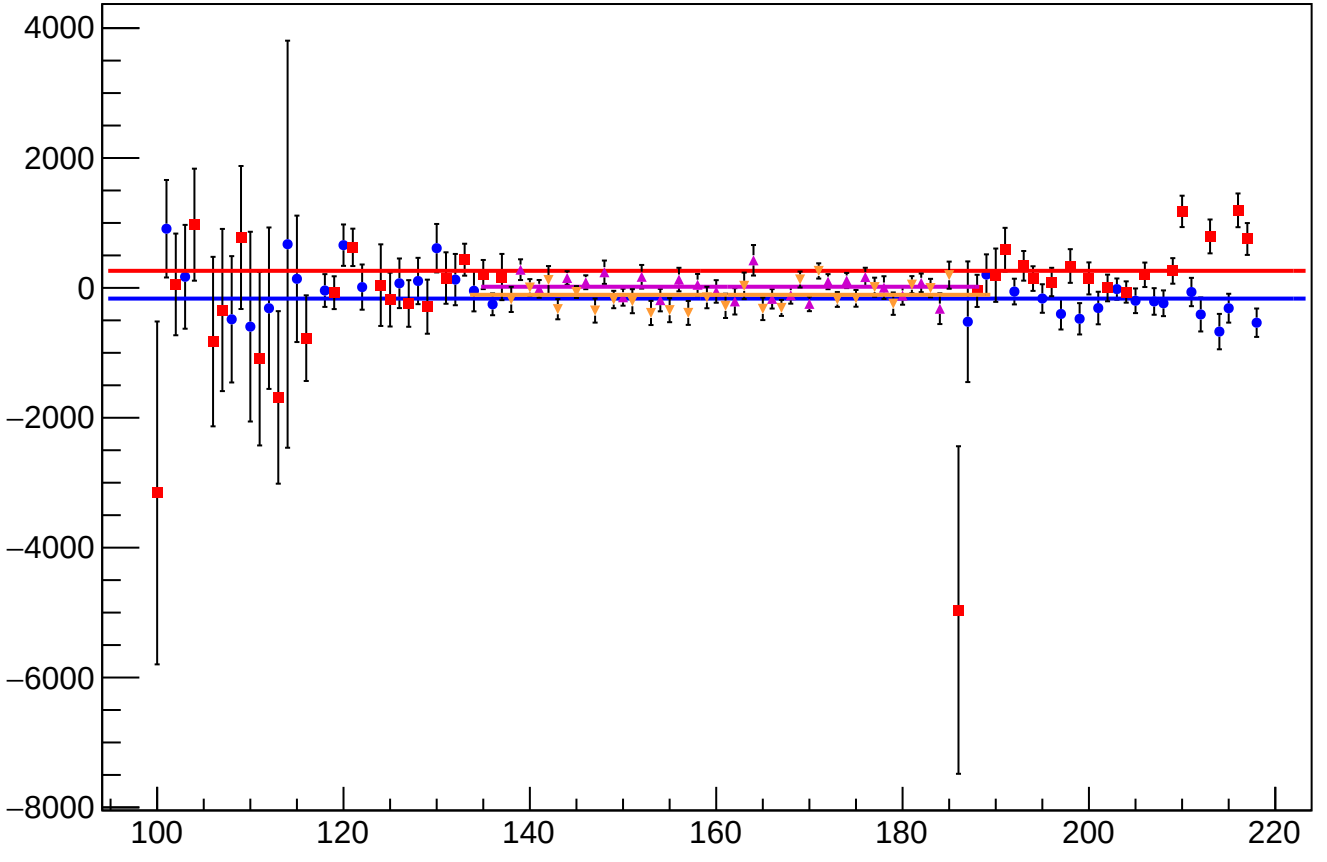
Right: 51.363+/-0.006 χ^2/NDF: 3825331.1/67

In: 42.860+/-0.005 χ^2/NDF:3403692.3/54

Out: 42.947+/-0.005 χ^2/NDF:4668303.8/60

All: 42.904+/-0.004 χ^2/NDF: 8072149.9/115

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



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: 262.687+/-48.942 χ^2/NDF: 67.5/35

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

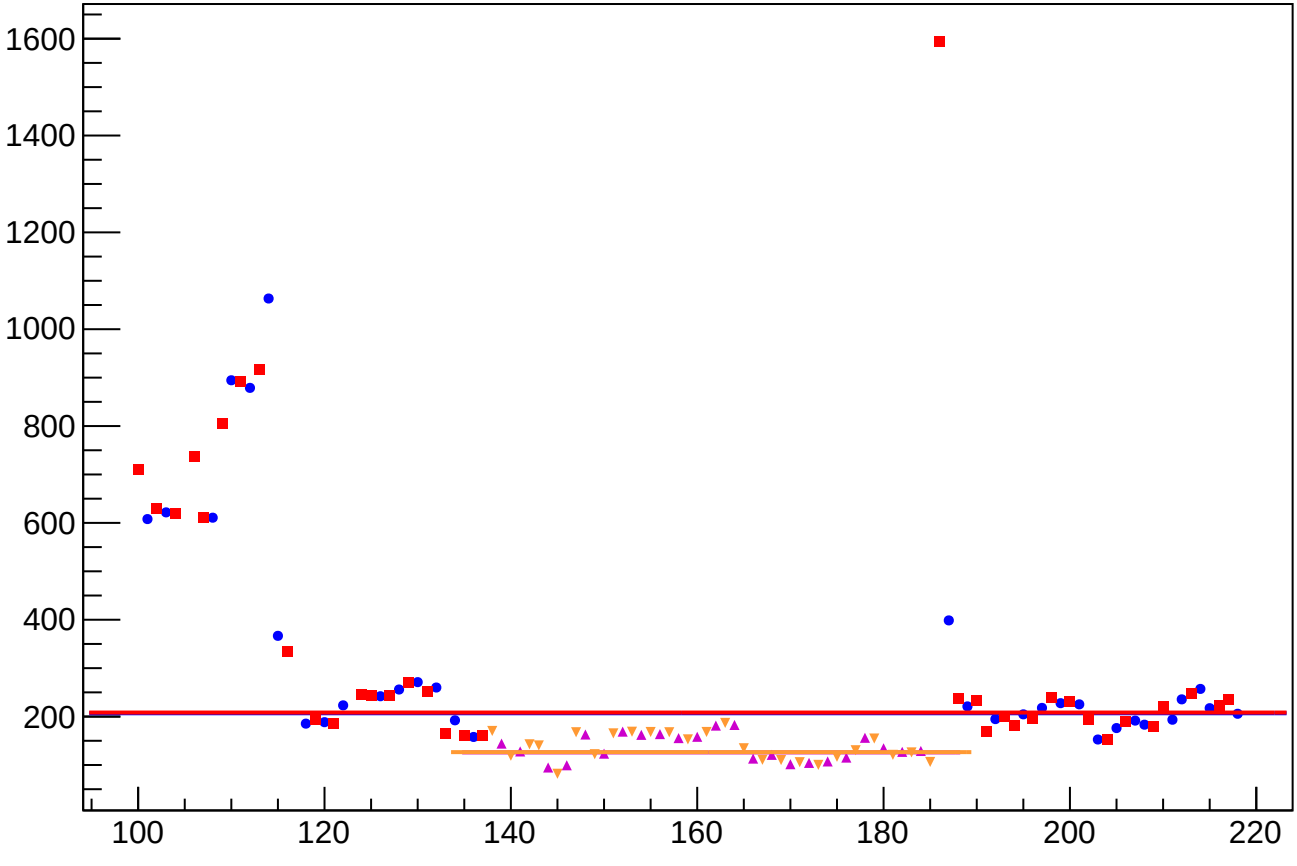
Right: 46.444+/-34.407 χ^2/NDF: 135.9/67

In: -33.586+/-25.610 χ^2/NDF:68.2/54

Out: -7.811+/-25.305 χ^2/NDF:146.9/60

All: -20.544+/-18.000 χ^2/NDF: 215.6/115

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: 208.341+/-0.035 χ^2/NDF: 4859265.1/35

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

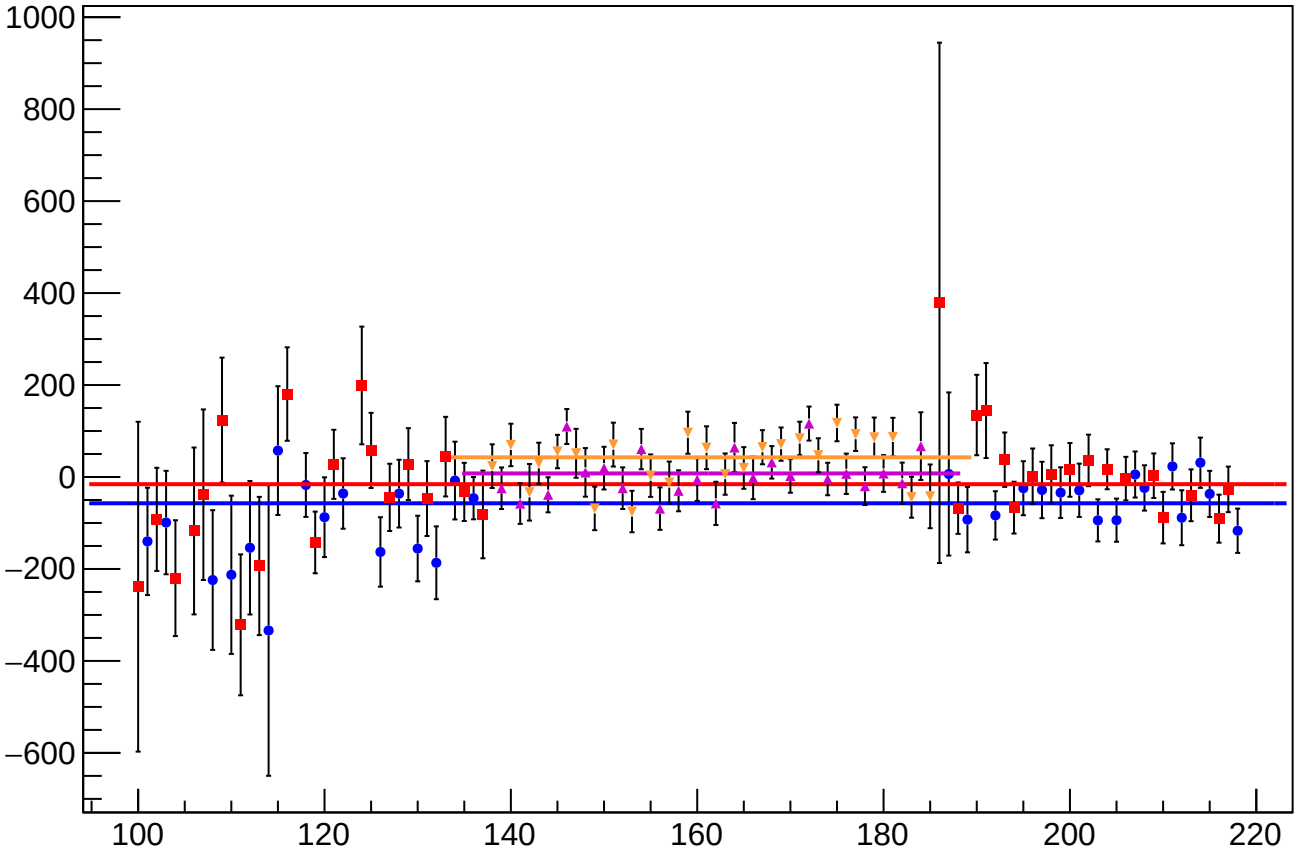
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 207.571+/-0.024 χ^2/NDF: 8438184.5/67

In: 148.654+/-0.018 χ^2/NDF:9004364.0/54

Out: 148.423+/-0.018 χ^2/NDF:10708781.4/60

All: 148.537+/-0.013 χ^2/NDF: 19713227.9/1



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: -15.604+/-11.827 χ^2/NDF: 37.6/35

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

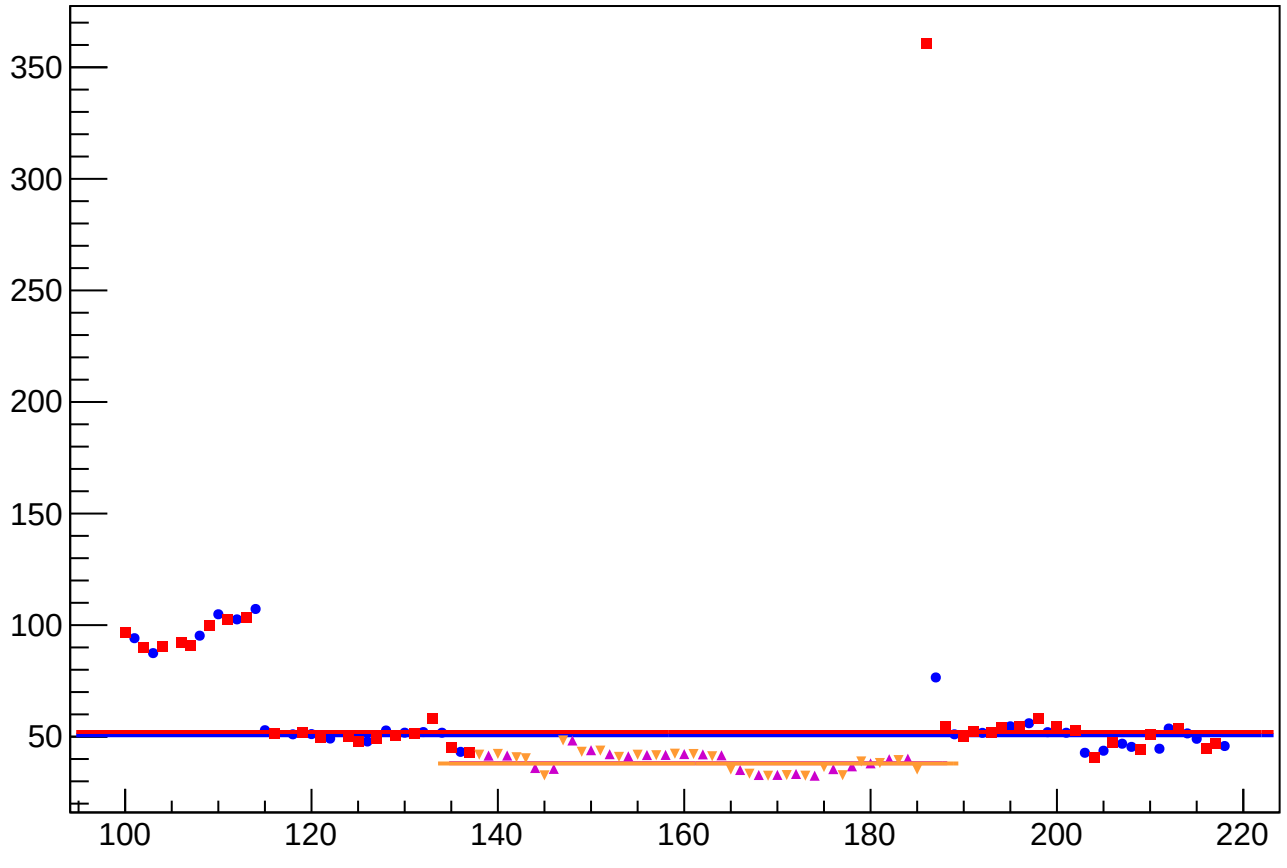
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -36.936+/-8.253 χ^2/NDF: 68.0/67

In: -16.746+/-7.080 χ^2/NDF:74.5/54

Out: 22.278+/-7.007 χ^2/NDF:88.1/60

All: 2.968+/-4.980 χ^2/NDF: 177.9/115



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: 52.104+/-0.008 χ^2/NDF: 2295174.1/35

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

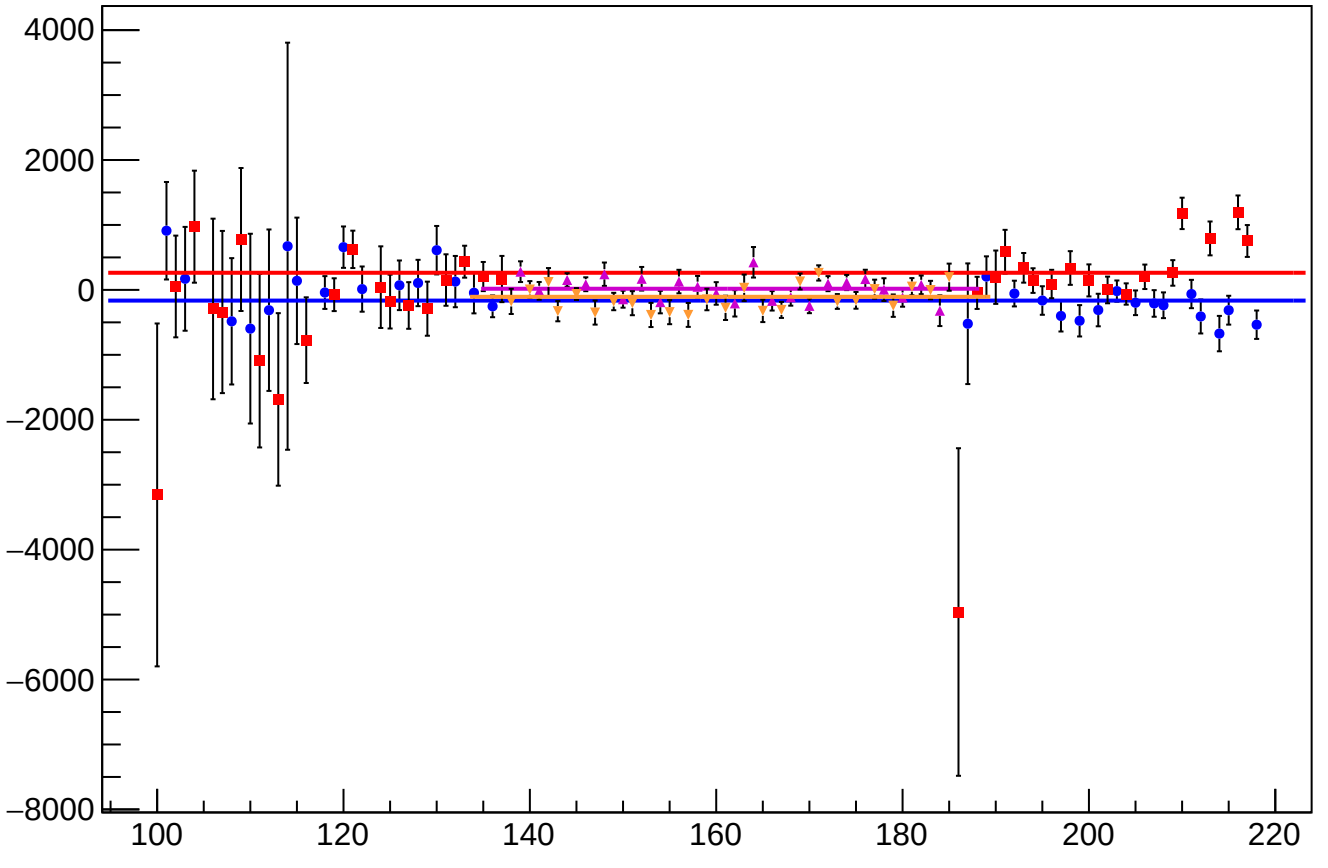
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.359+/-0.006 χ^2/NDF: 3816439.2/67

In: 42.860+/-0.005 χ^2/NDF:3403692.5/54

Out: 42.944+/-0.005 χ^2/NDF:4657278.0/60

All: 42.902+/-0.004 χ^2/NDF: 8061113.3/115



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: 263.521+/-48.947 χ^2/NDF: 67.0/35

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

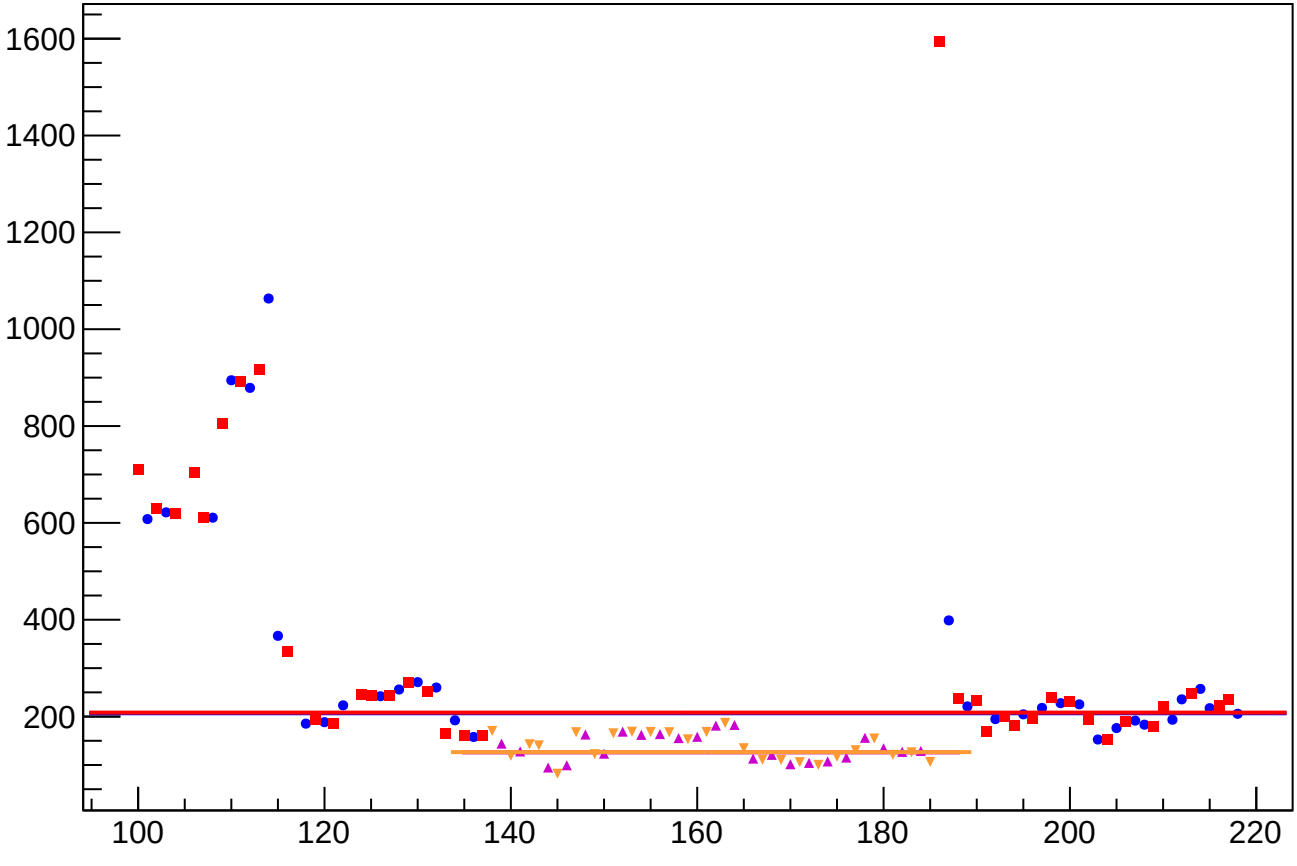
Right: 46.839+/-34.409 χ^2/NDF: 135.5/67

In: -33.585+/-25.610 χ^2/NDF:68.2/54

Out: -7.600+/-25.306 χ^2/NDF:146.5/60

All: -20.437+/-18.000 χ^2/NDF: 215.3/115

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: 208.213+/-0.035 χ^2/NDF: 4786576.2/35

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

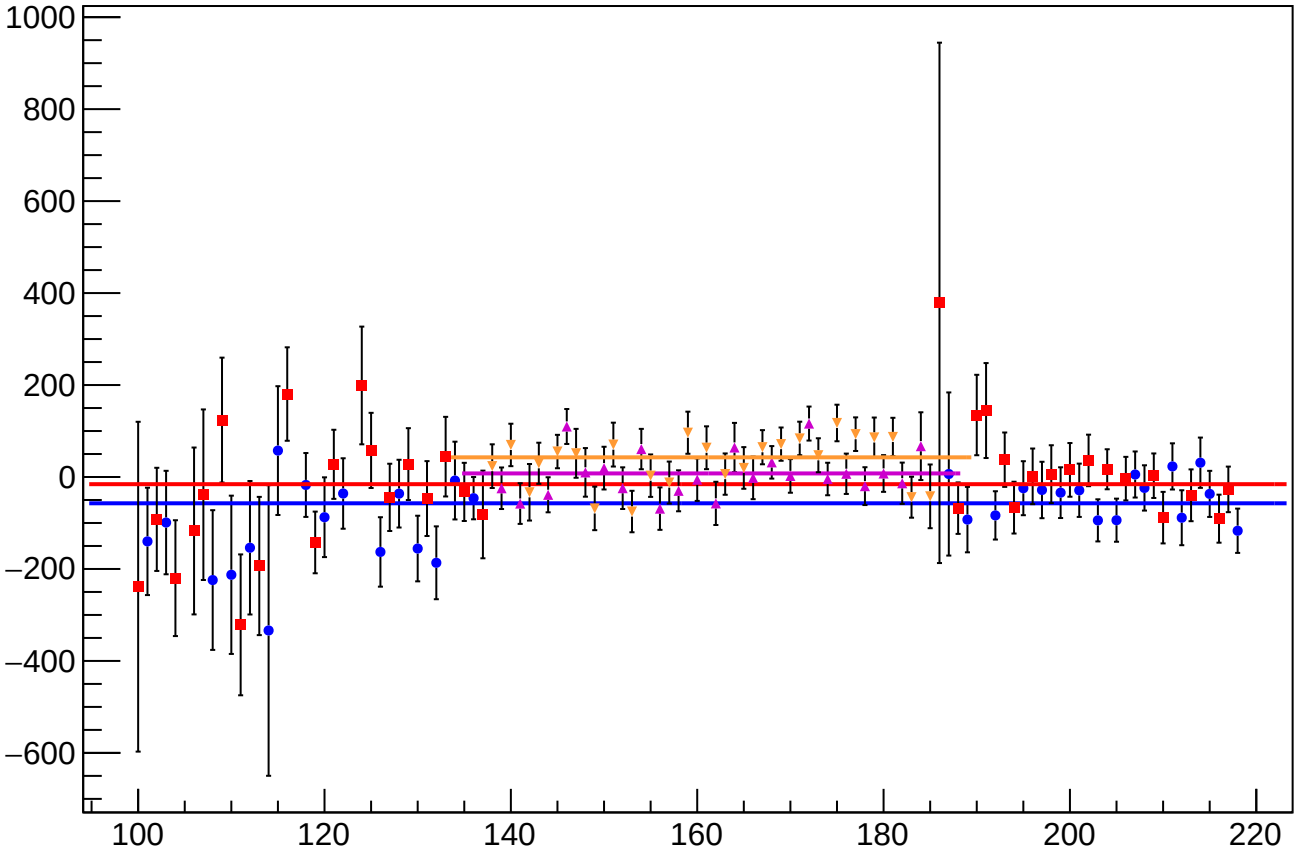
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 207.508+/-0.024 χ^2/NDF: 8365346.0/67

In: 148.654+/-0.018 χ^2/NDF:9004388.4/54

Out: 148.386+/-0.018 χ^2/NDF:10622735.6/60

All: 148.518+/-0.013 χ^2/NDF: 19627234.9/11



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: -15.604+/-11.827 χ^2/NDF: 37.6/35

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

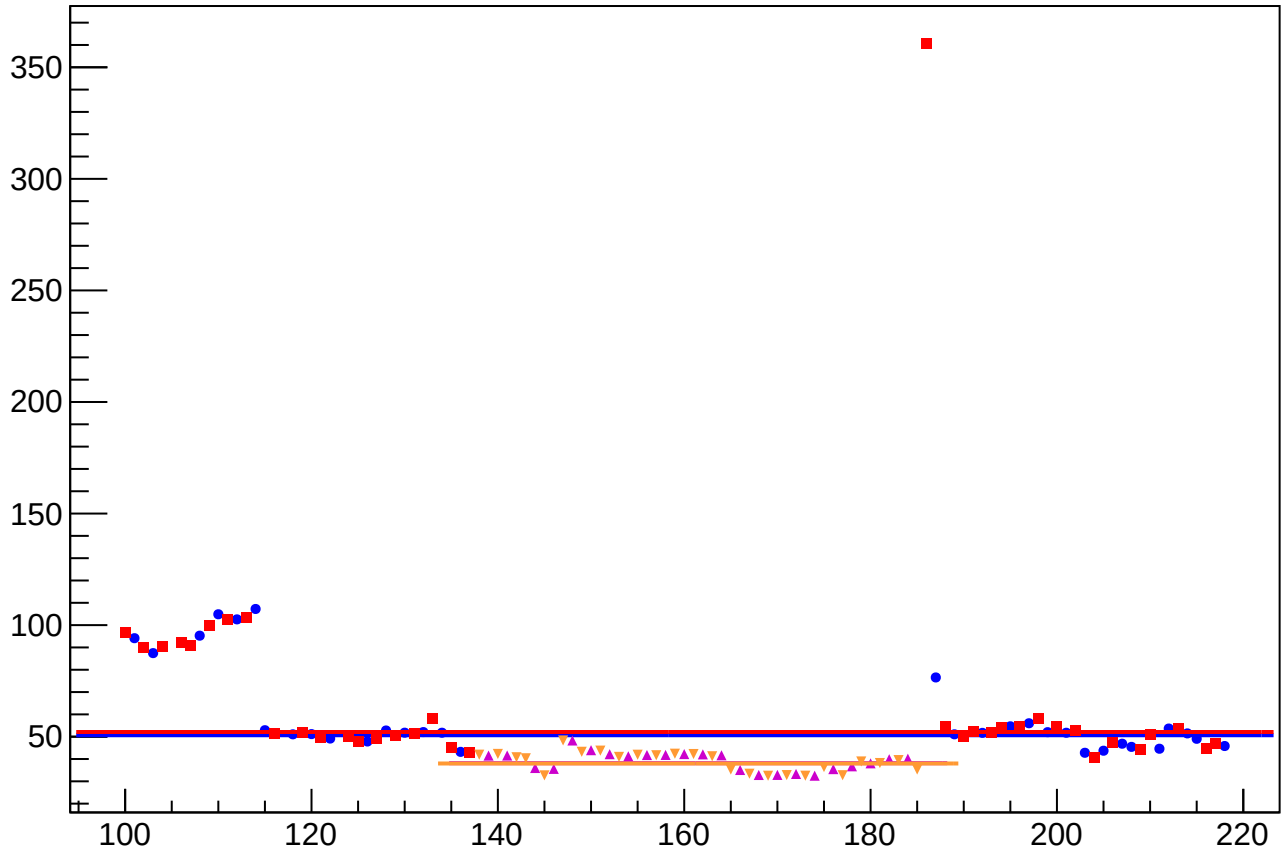
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -36.936+/-8.253 χ^2/NDF: 68.0/67

In: -16.746+/-7.080 χ^2/NDF:74.5/54

Out: 22.278+/-7.007 χ^2/NDF:88.1/60

All: 2.968+/-4.980 χ^2/NDF: 177.9/115



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: 52.104+/-0.008 χ^2/NDF: 2295174.1/35

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

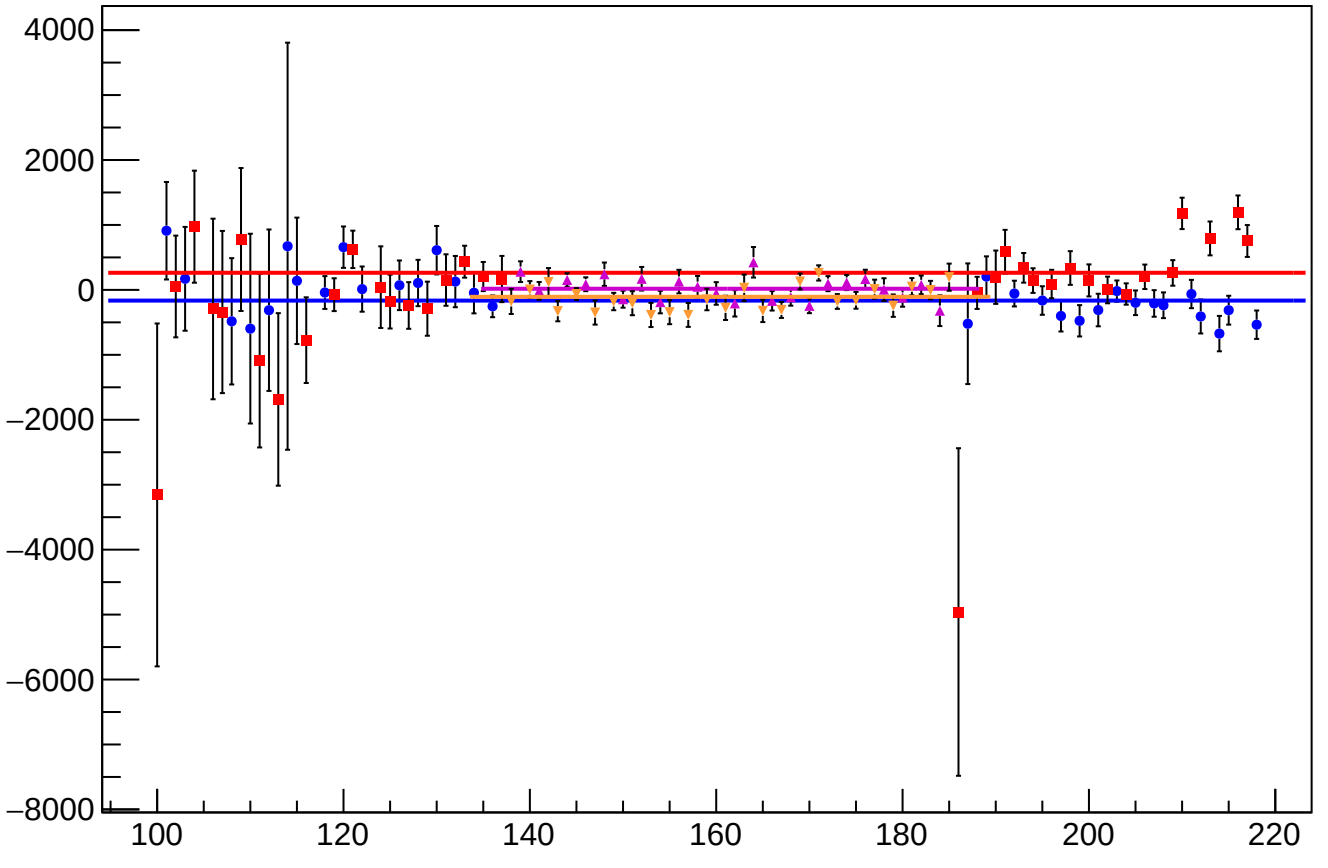
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.359+/-0.006 χ^2/NDF: 3816439.2/67

In: 42.860+/-0.005 χ^2/NDF:3403692.5/54

Out: 42.944+/-0.005 χ^2/NDF:4657278.0/60

All: 42.902+/-0.004 χ^2/NDF: 8061113.3/115



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: 263.521+/-48.947 χ^2/NDF: 67.0/35

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

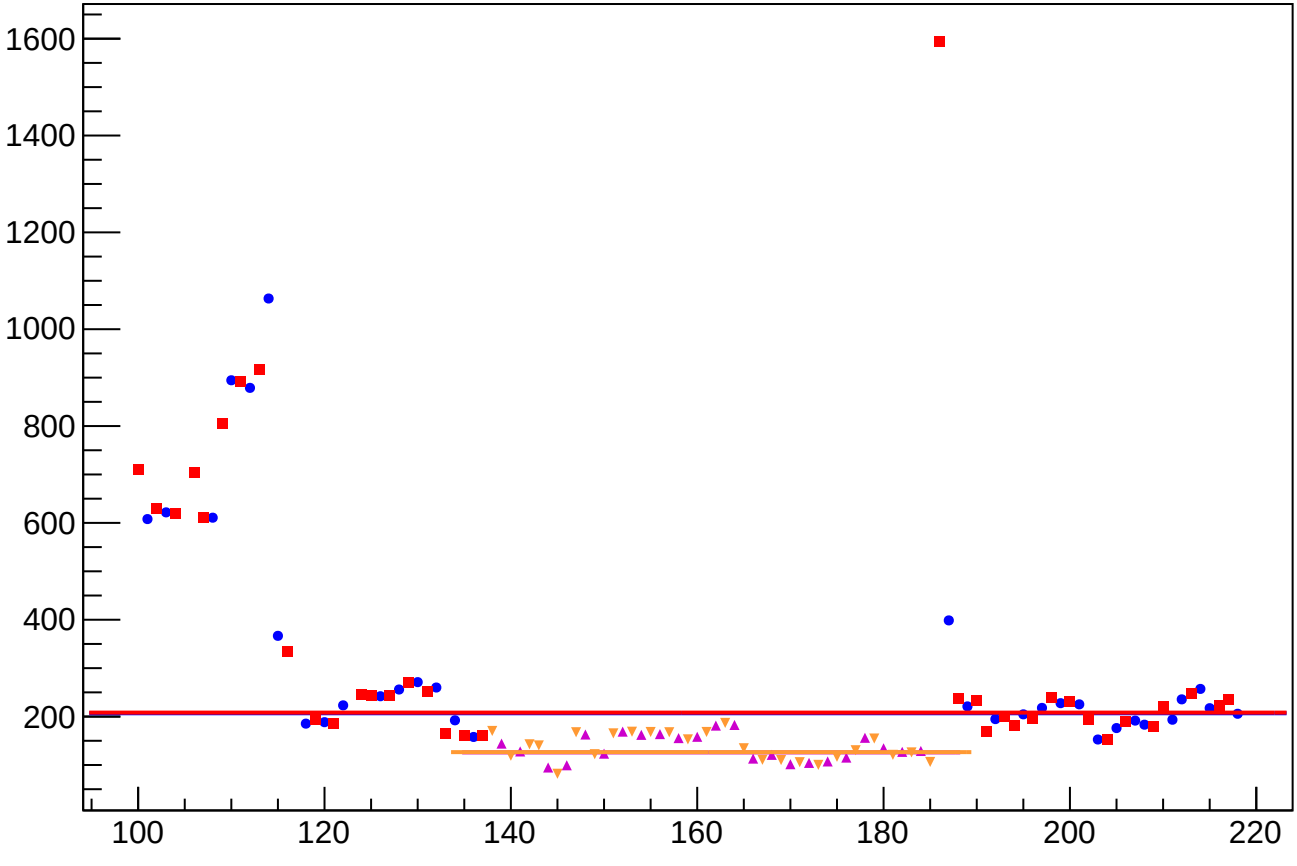
Right: 46.839+/-34.409 χ^2/NDF: 135.5/67

In: -33.585+/-25.610 χ^2/NDF:68.2/54

Out: -7.600+/-25.306 χ^2/NDF:146.5/60

All: -20.437+/-18.000 χ^2/NDF: 215.3/115

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: 208.213+/-0.035 χ^2/NDF: 4786576.2/35

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

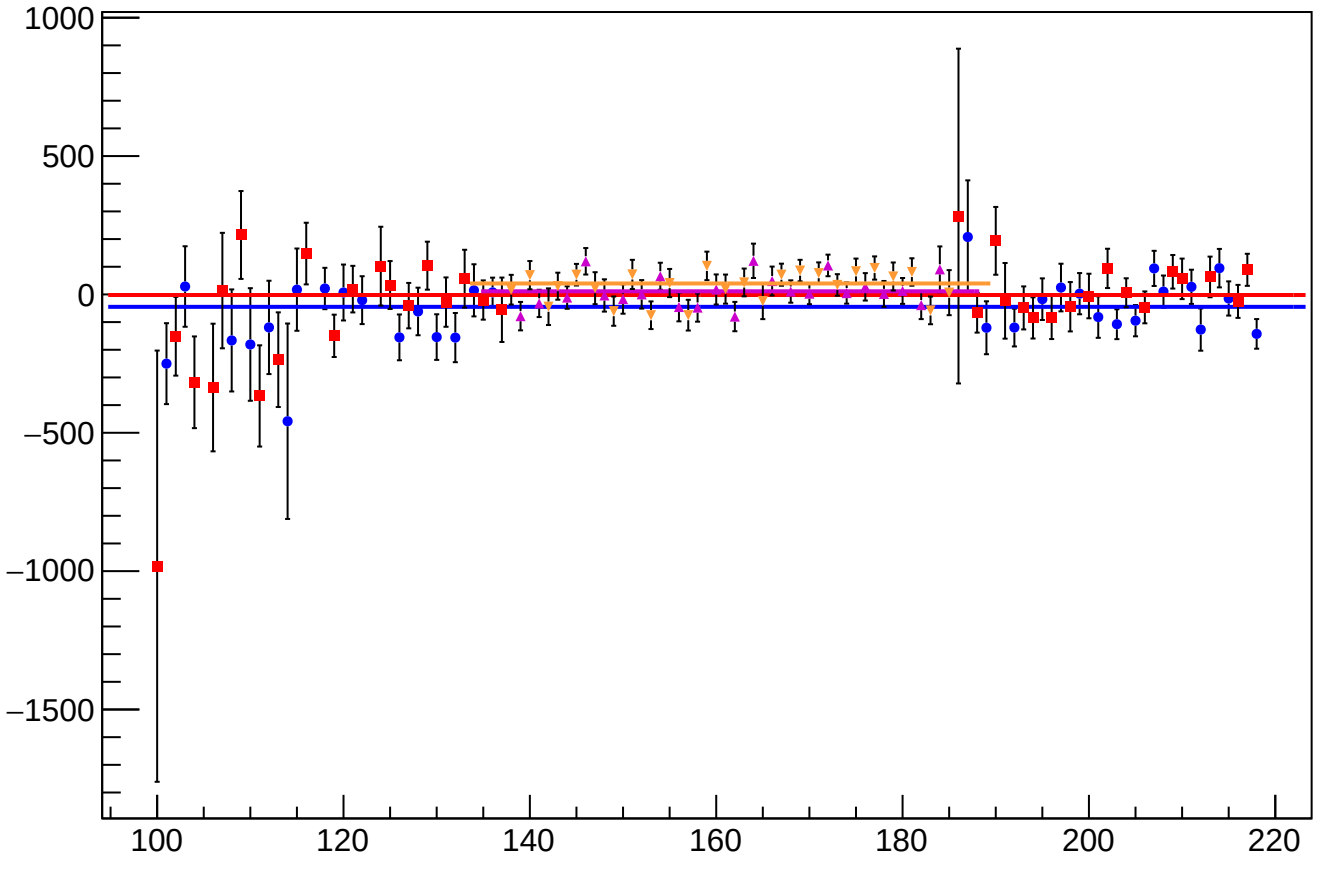
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 207.508+/-0.024 χ^2/NDF: 8365346.0/67

In: 148.654+/-0.018 χ^2/NDF:9004388.4/54

Out: 148.386+/-0.018 χ^2/NDF:10622735.6/60

All: 148.518+/-0.013 χ^2/NDF: 19627234.9/11



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: -2.115+/-14.476 χ^2/NDF: 39.7/35

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

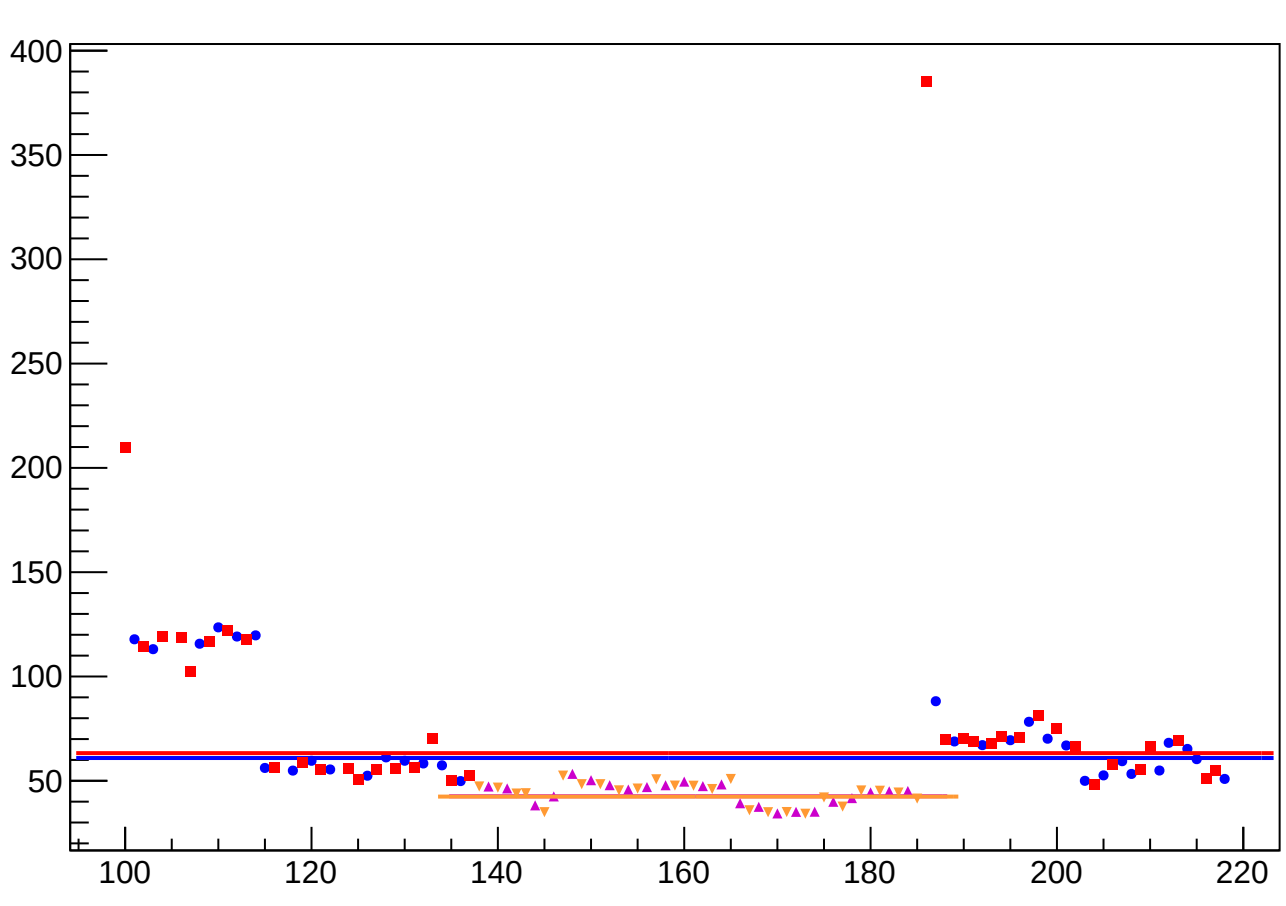
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -24.279+/-10.046 χ^2/NDF: 79.4/67

In: -7.950+/-8.170 χ^2/NDF:73.8/54

Out: 26.565+/-8.084 χ^2/NDF:75.0/60

All: 9.489+/-5.746 χ^2/NDF: 157.8/115



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: 63.258+/-0.010 χ^2/NDF: 2721900.2/35

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

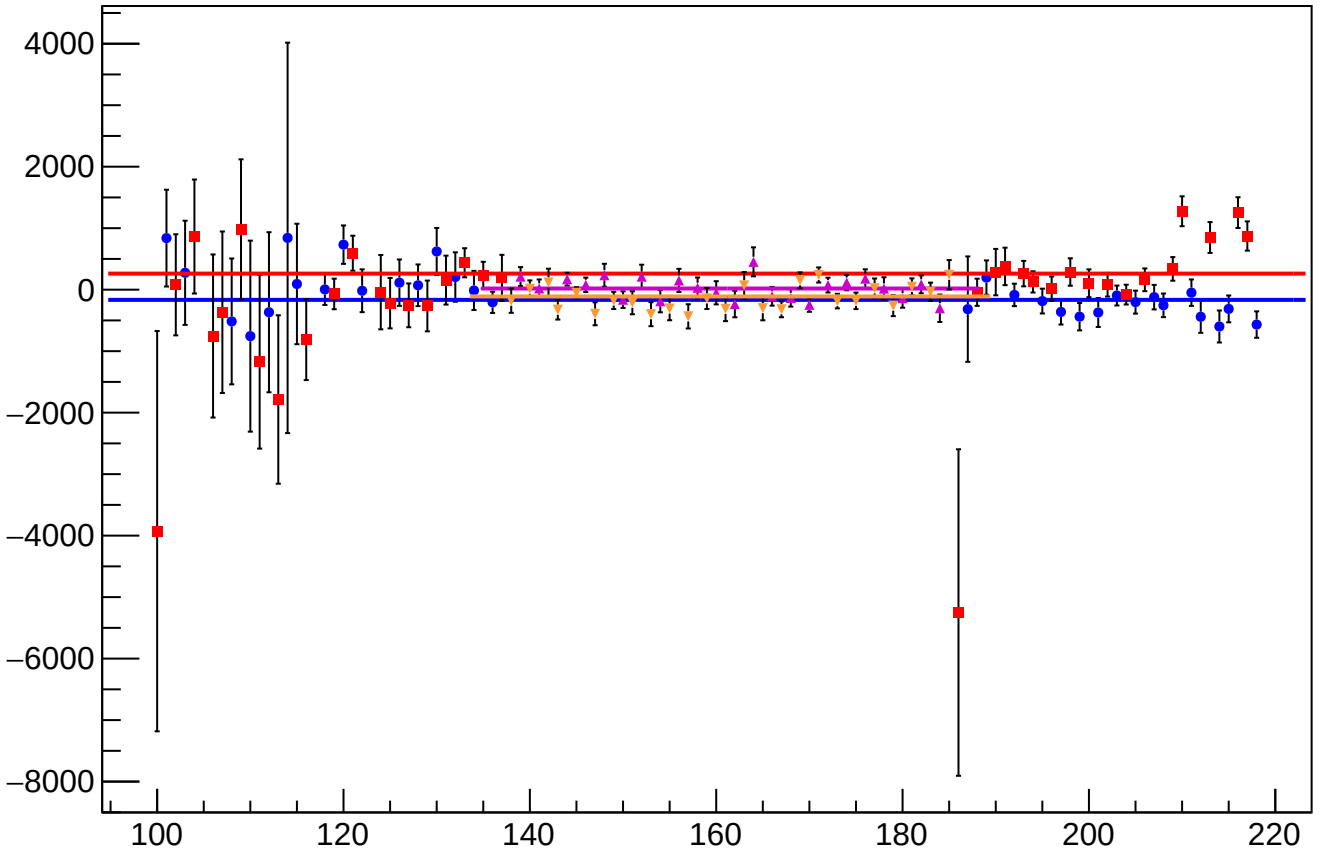
Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

Right: 62.044+/-0.007 χ^2/NDF: 4597858.4/67

In: 48.864+/-0.006 χ^2/NDF:4708511.0/54

Out: 48.923+/-0.006 χ^2/NDF:6270858.4/60

All: 48.894+/-0.004 χ^2/NDF: 10979422.2/115



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: 261.391+/-46.595 χ^2/NDF: 78.5/35

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

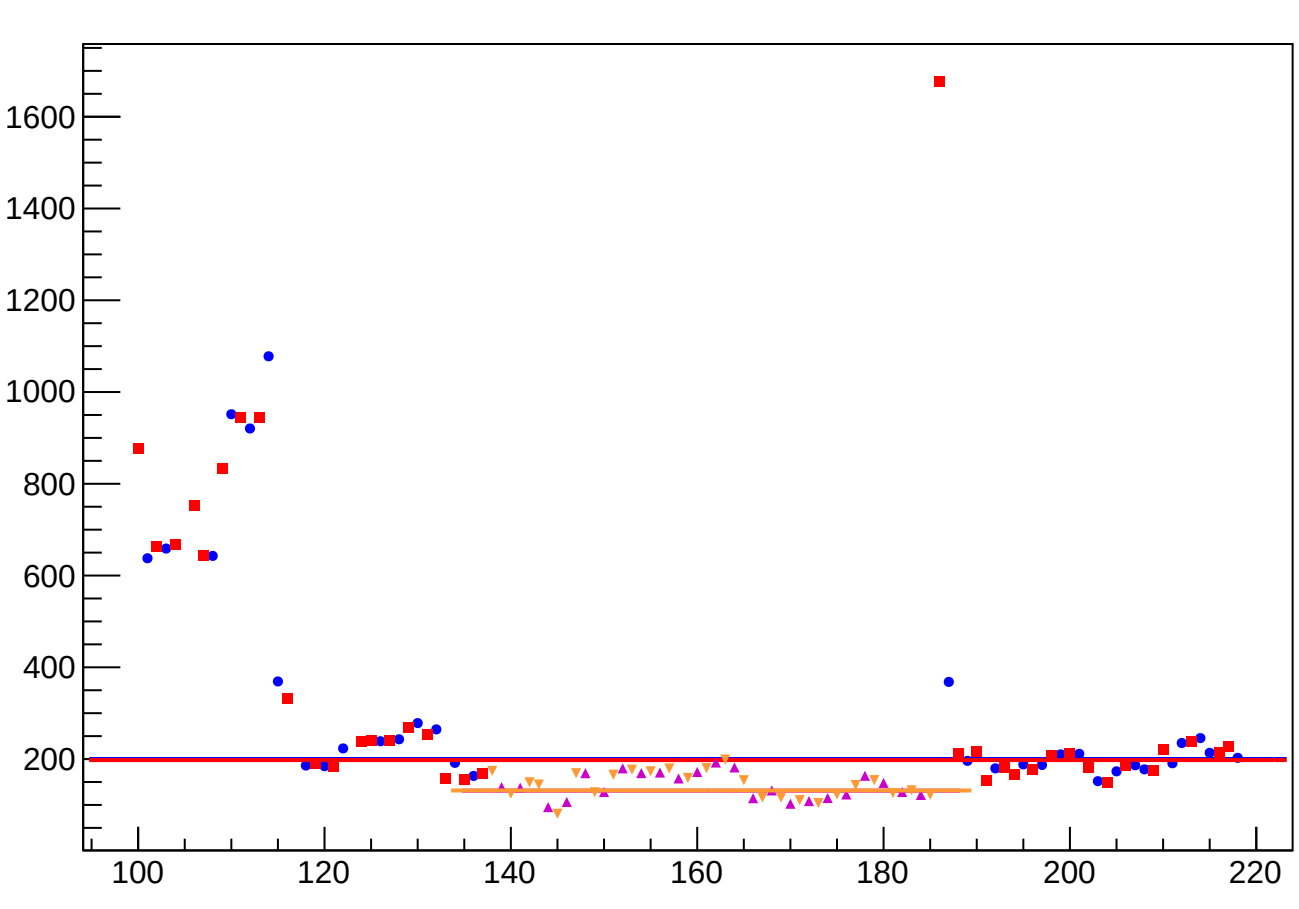
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 49.045+/-33.037 χ^2/NDF: 151.6/67

In: -38.534+/-26.127 χ^2/NDF:69.3/54

Out: 2.812+/-25.670 χ^2/NDF:159.0/60

All: -17.496+/-18.311 χ^2/NDF: 229.5/115



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: 197.753+/-0.033 χ^2/NDF: 5112919.6/35

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

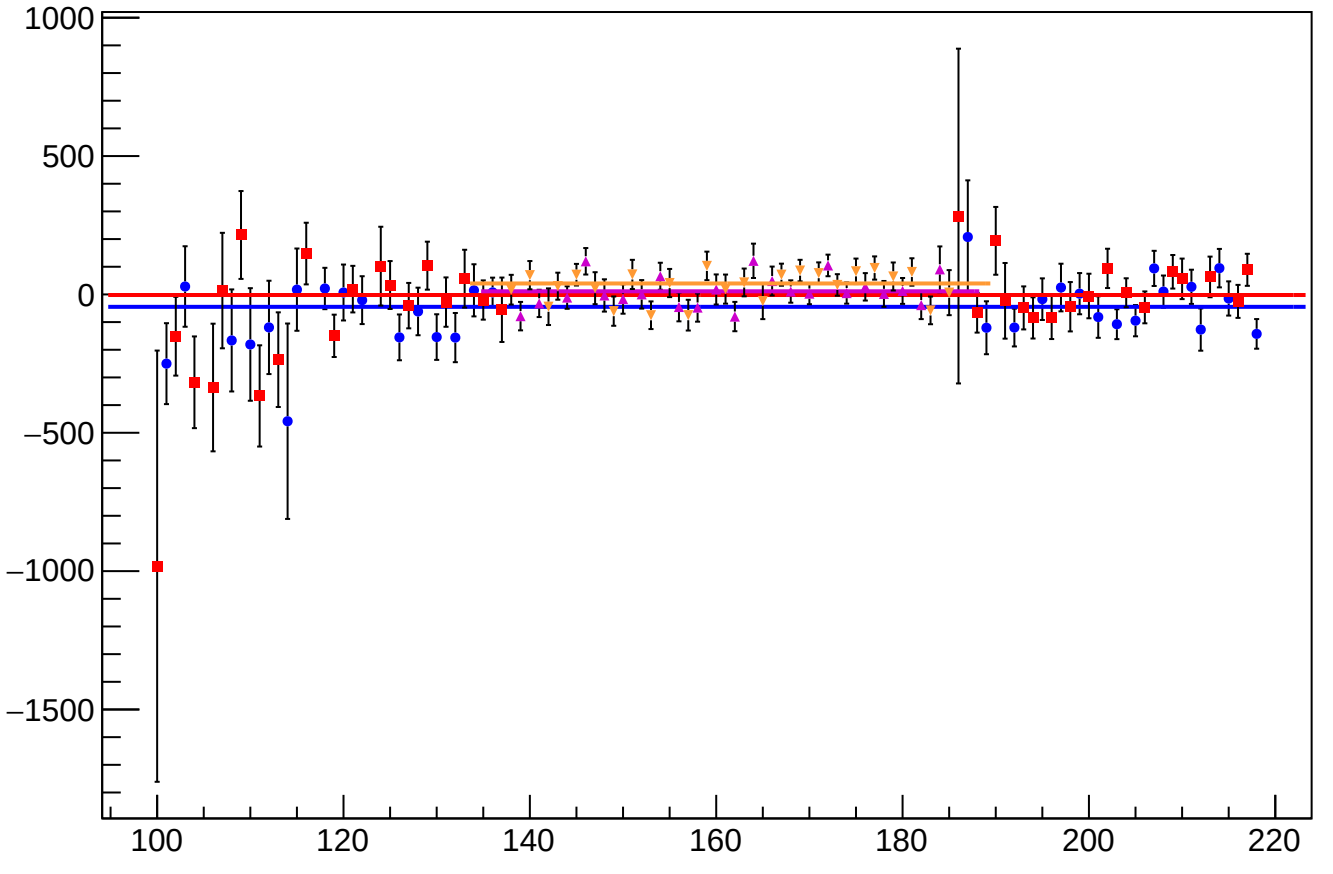
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 198.914+/-0.023 χ^2/NDF: 8777568.3/67

In: 152.538+/-0.018 χ^2/NDF:8120154.5/54

Out: 151.619+/-0.018 χ^2/NDF:9830886.4/60

All: 152.070+/-0.013 χ^2/NDF: 17952299.2/11



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: -2.116+/-14.476 χ^2/NDF: 39.7/35

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

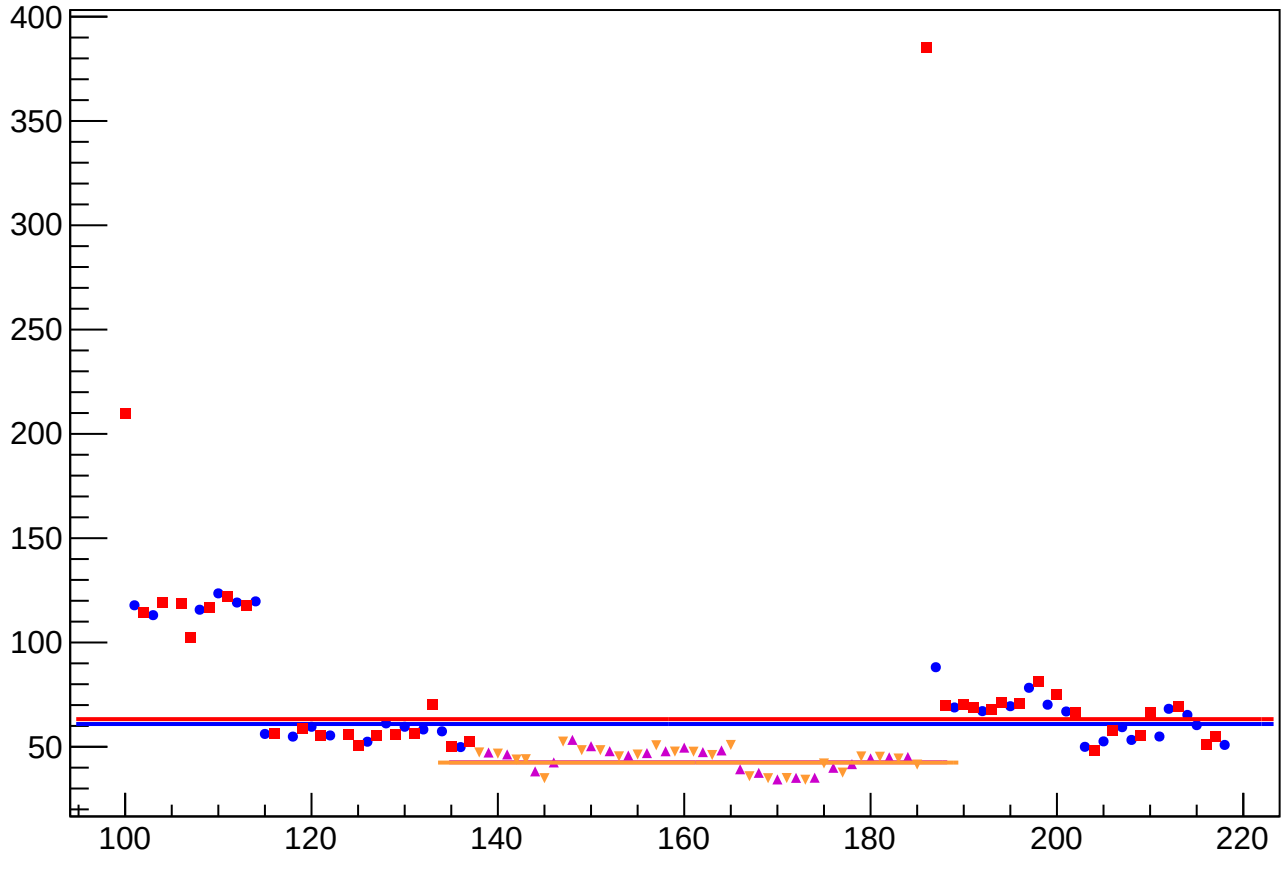
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -24.280+/-10.046 χ^2/NDF: 79.4/67

In: -7.950+/-8.170 χ^2/NDF:73.8/54

Out: 26.566+/-8.084 χ^2/NDF:75.0/60

All: 9.489+/-5.746 χ^2/NDF: 157.8/115



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: 63.258+/-0.010 χ^2/NDF: 2721867.9/35

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

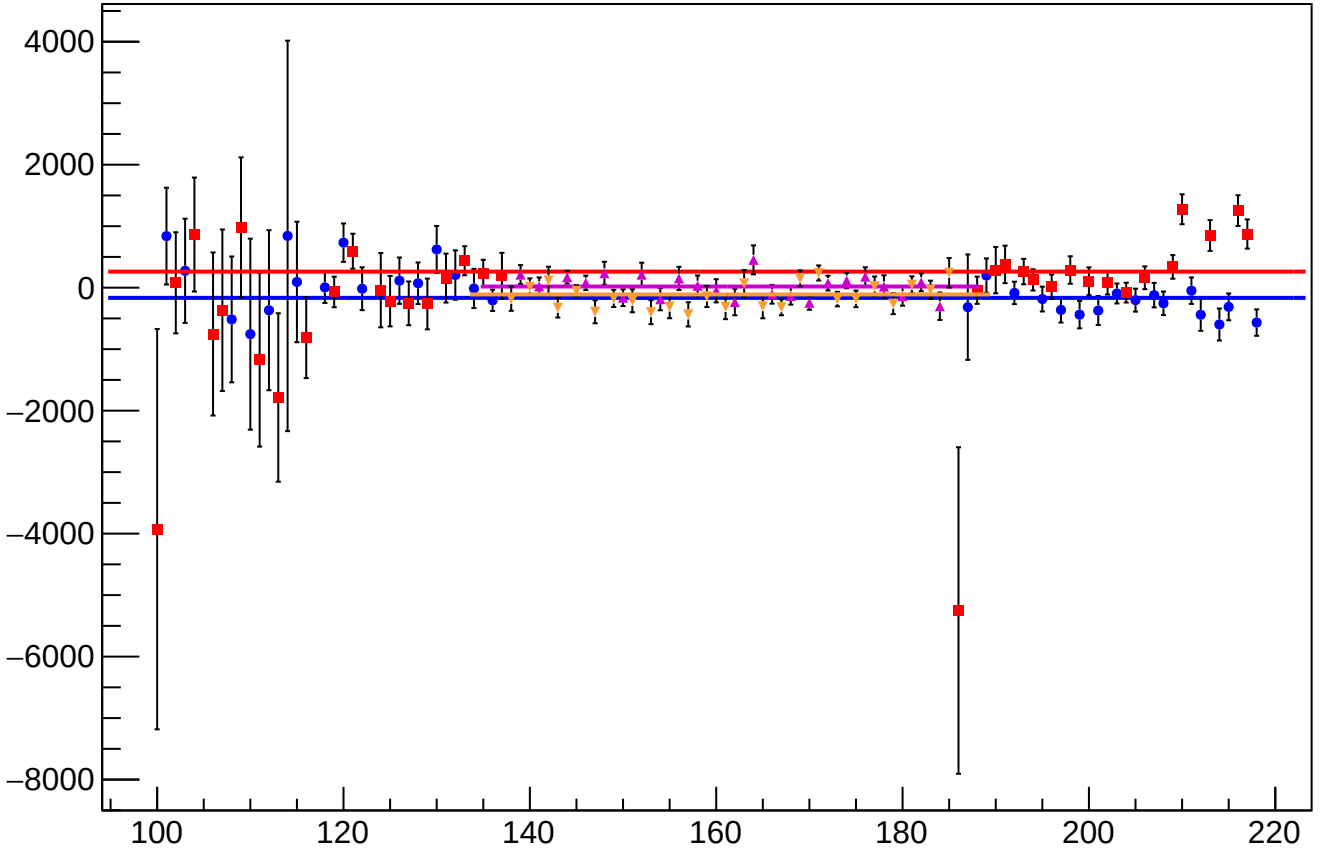
Right: 62.044+/-0.007 χ^2/NDF: 4597829.3/67

In: 48.864+/-0.006 χ^2/NDF:4708494.7/54

Out: 48.923+/-0.006 χ^2/NDF:6270908.0/60

All: 48.894+/-0.004 χ^2/NDF: 10979455.4/115

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: 261.389+/-46.595 χ^2/NDF: 78.5/35

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

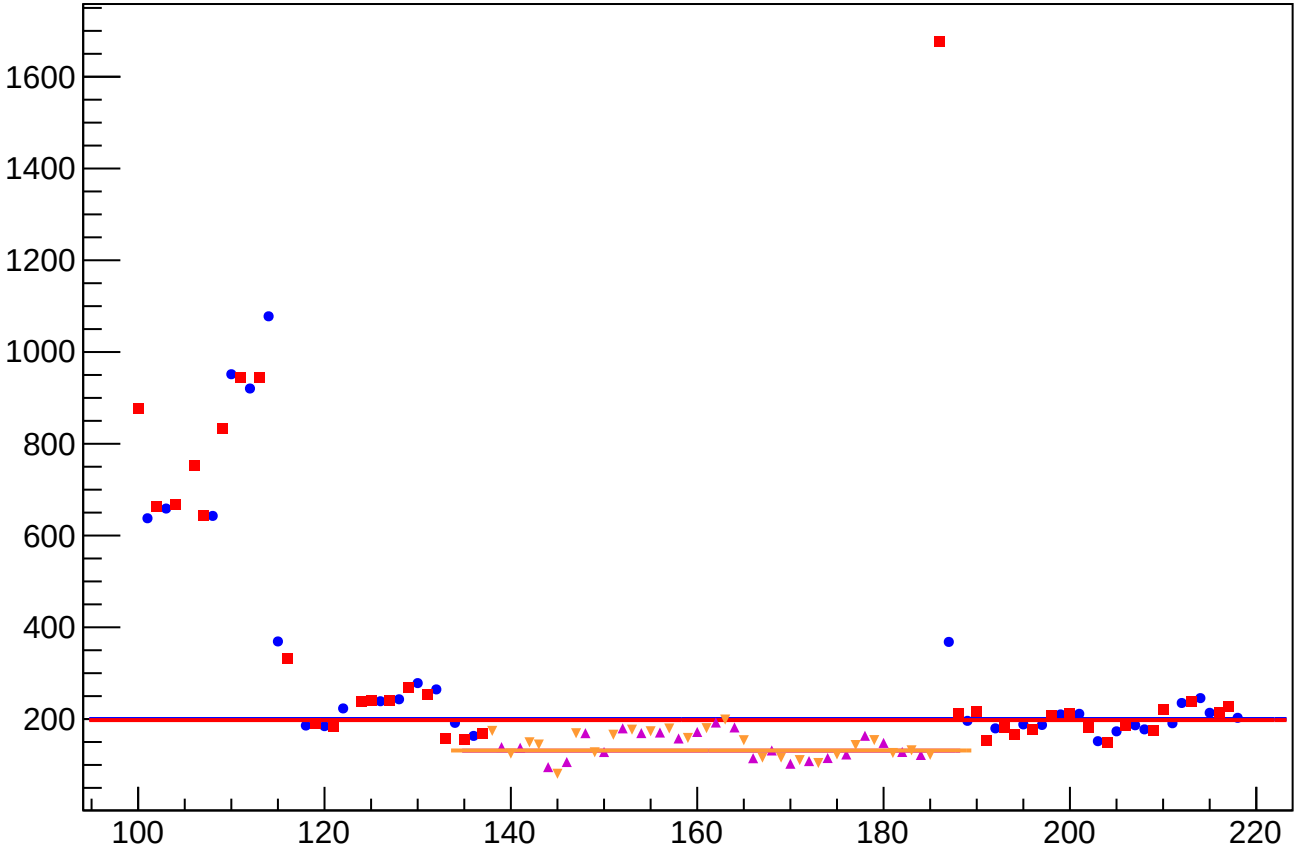
Right: 49.044+/-33.037 χ^2/NDF: 151.6/67

In: -38.535+/-26.127 χ^2/NDF:69.3/54

Out: 2.812+/-25.670 χ^2/NDF:159.0/60

All: -17.496+/-18.311 χ^2/NDF: 229.5/115

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: 197.752+/-0.033 χ^2/NDF: 5112928.8/35

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

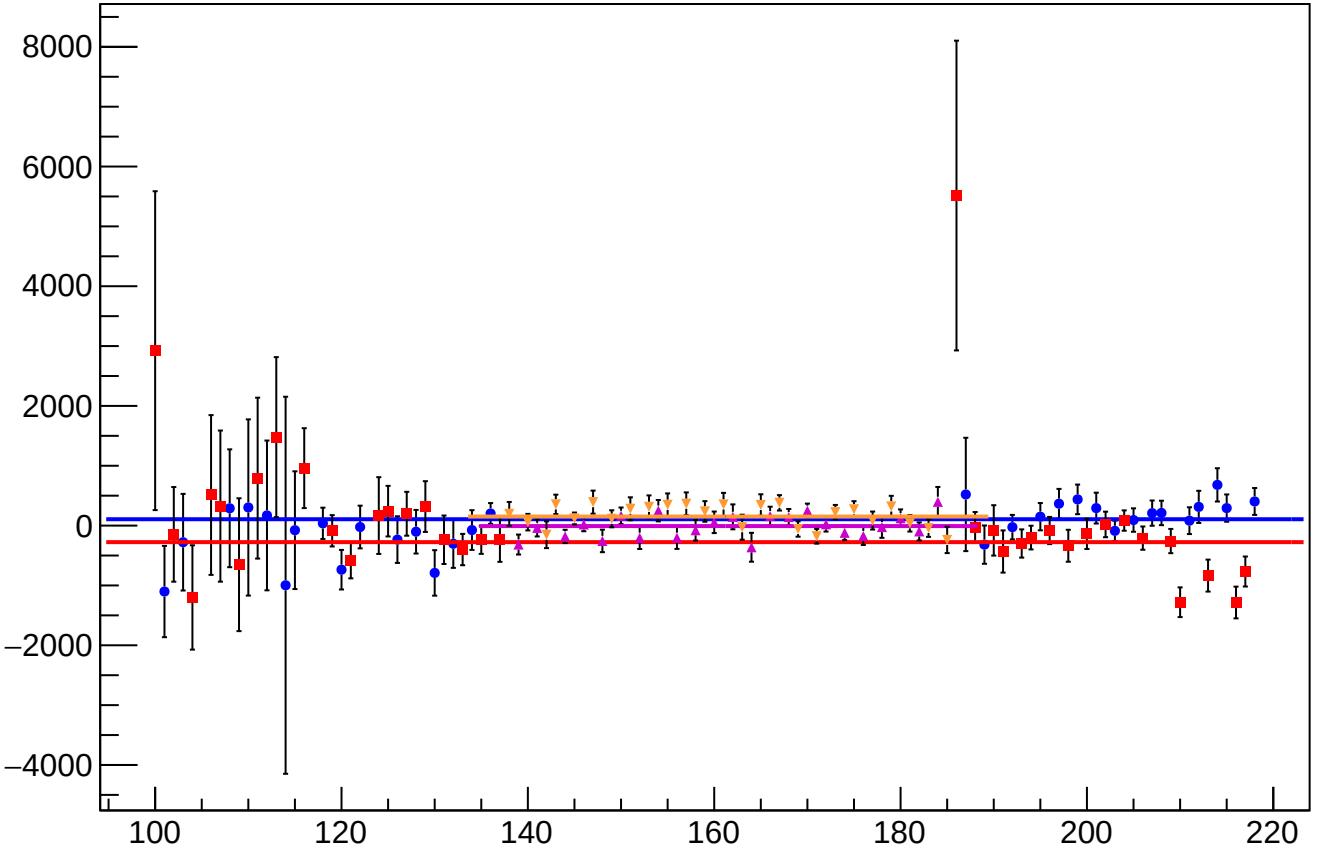
Right: 198.913+/-0.023 χ^2/NDF: 8777578.2/67

In: 152.538+/-0.018 χ^2/NDF:8120104.0/54

Out: 151.619+/-0.018 χ^2/NDF:9830824.6/60

All: 152.070+/-0.013 χ^2/NDF: 17952186.9/1

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: -276.418+/-50.555 χ^2/NDF: 69.8/35

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

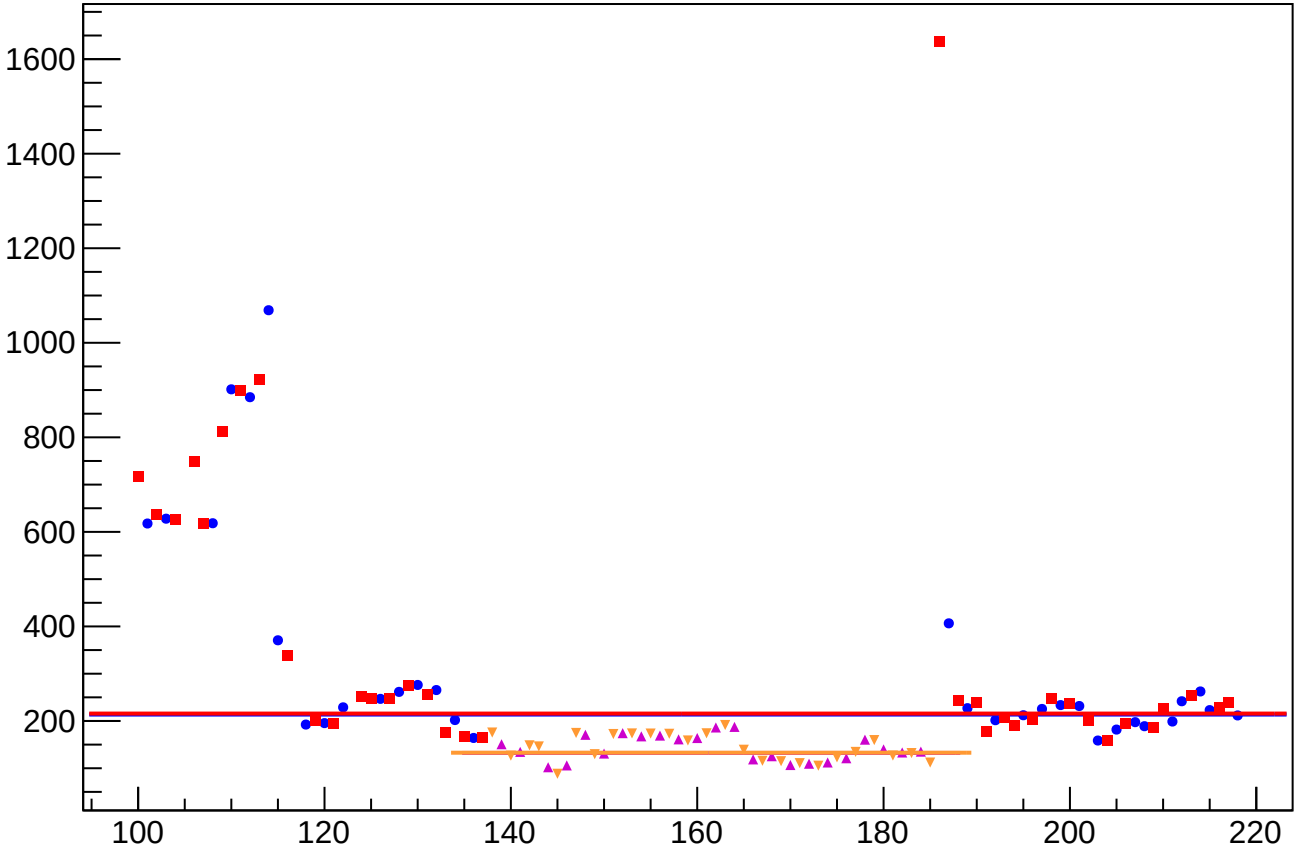
Right: -82.420+/-35.507 χ^2/NDF: 131.7/67

In: 24.850+/-26.707 χ^2/NDF:66.1/54

Out: 34.546+/-26.397 χ^2/NDF:154.9/60

All: 29.755+/-18.774 χ^2/NDF: 221.0/115

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: 215.657+/-0.036 χ^2/NDF: 4723065.5/35

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

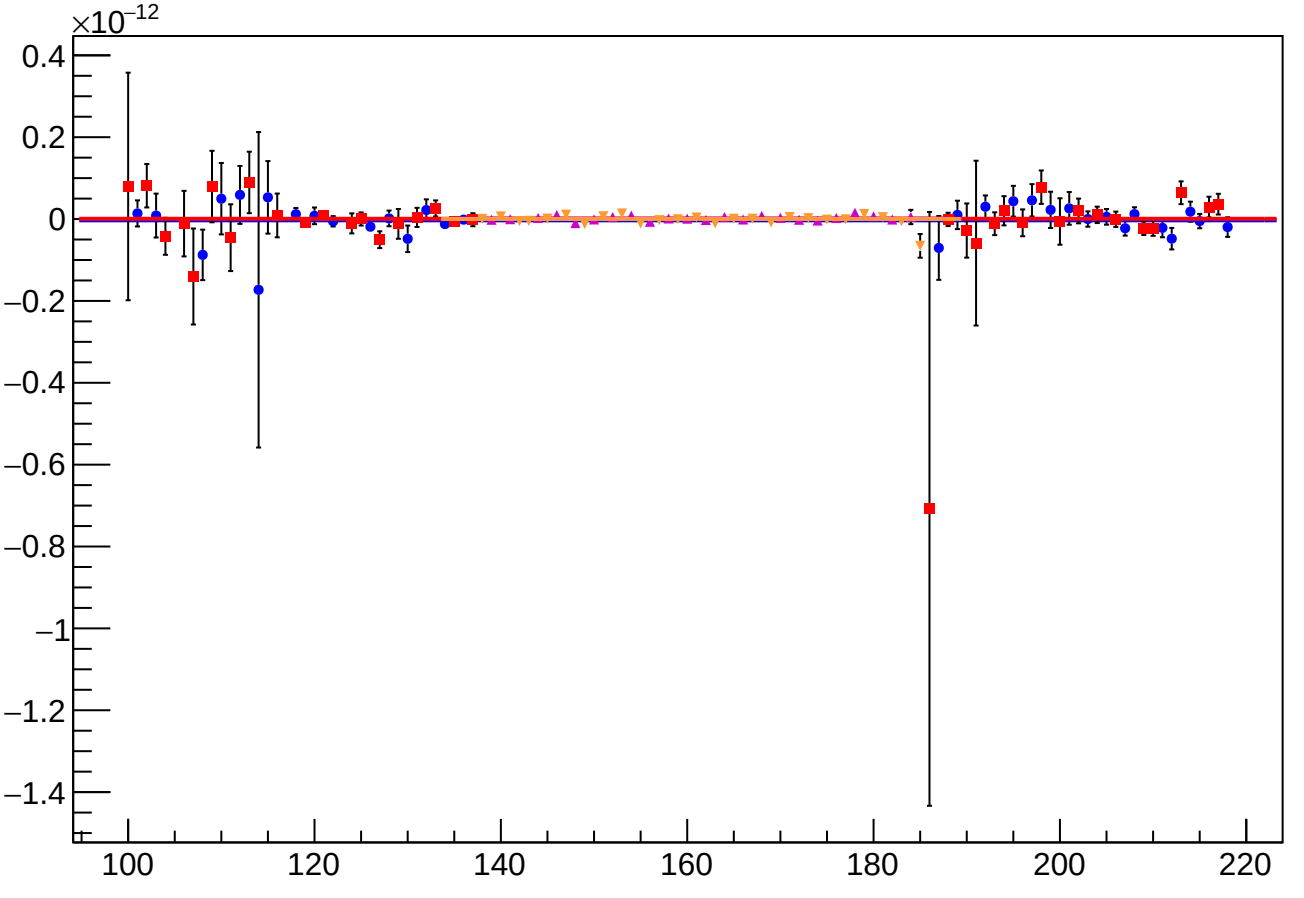
Right: 214.608+/-0.025 χ^2/NDF: 8203510.7/67

In: 155.631+/-0.019 χ^2/NDF:8541189.5/54

Out: 155.446+/-0.019 χ^2/NDF:10215908.7/60

All: 155.537+/-0.013 χ^2/NDF: 18757147.2/11

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: 36.1/35

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

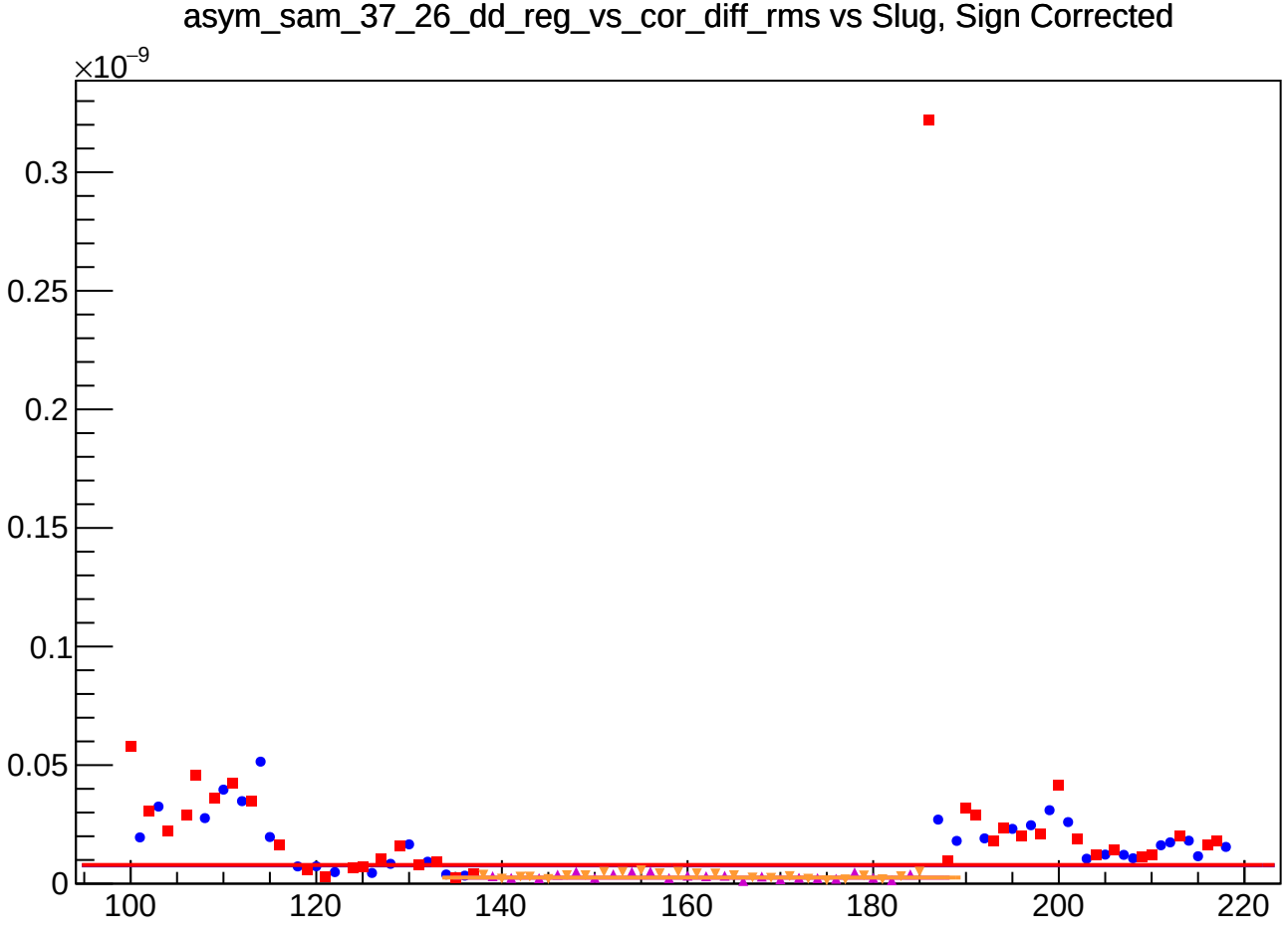
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 61.5/67

In: 0.000+/-0.000 χ^2/NDF:41.4/54

Out: 0.000+/-0.000 χ^2/NDF:68.3/60

All: 0.000+/-0.000 χ^2/NDF: 109.9/115



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: 8486212.3/35

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

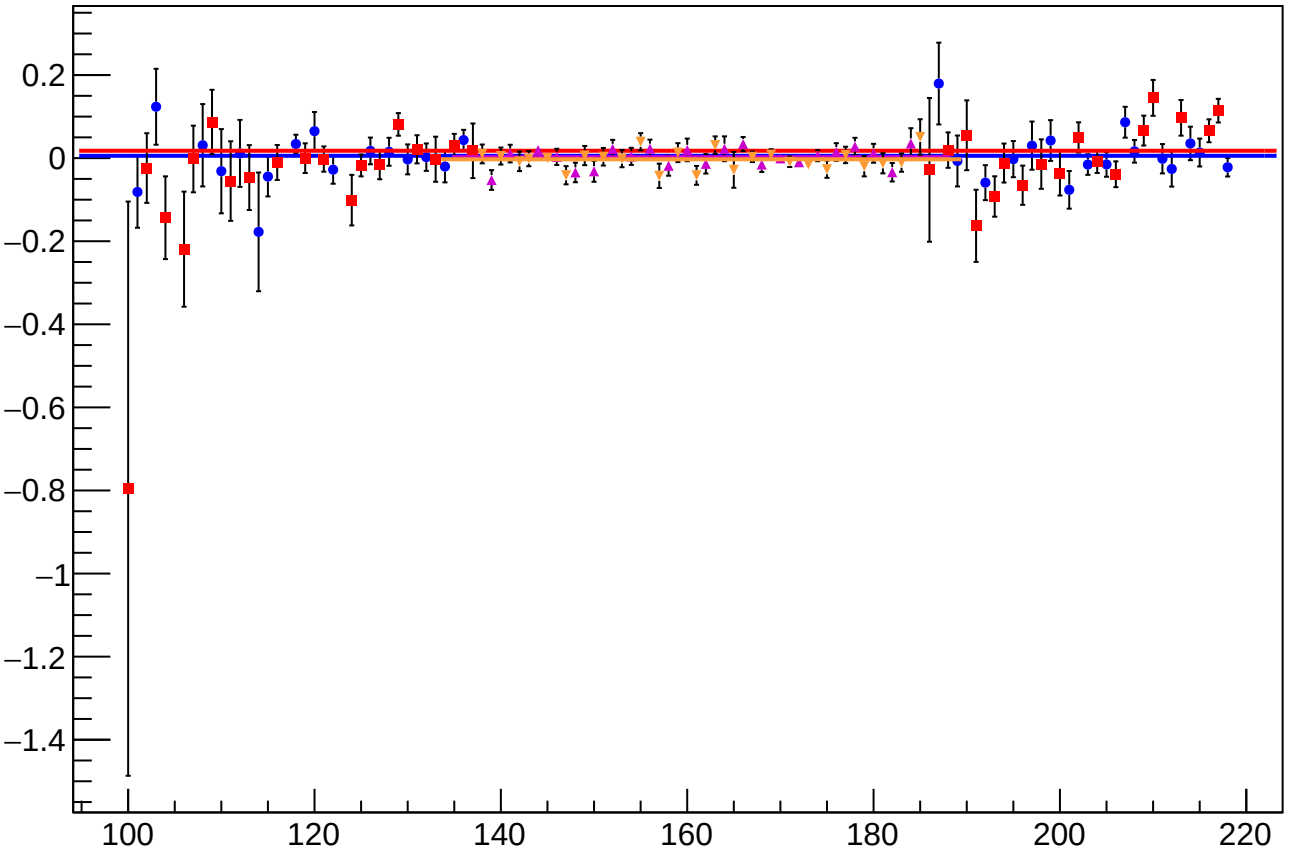
Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

Right: 0.000+/-0.000 χ^2/NDF: 15952312.0/67

In: 0.000+/-0.000 χ^2/NDF:13896824.9/54

Out: 0.000+/-0.000 χ^2/NDF:15260432.0/60

All: 0.000+/-0.000 χ^2/NDF: 29157747.2/115



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: 70.8/35

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

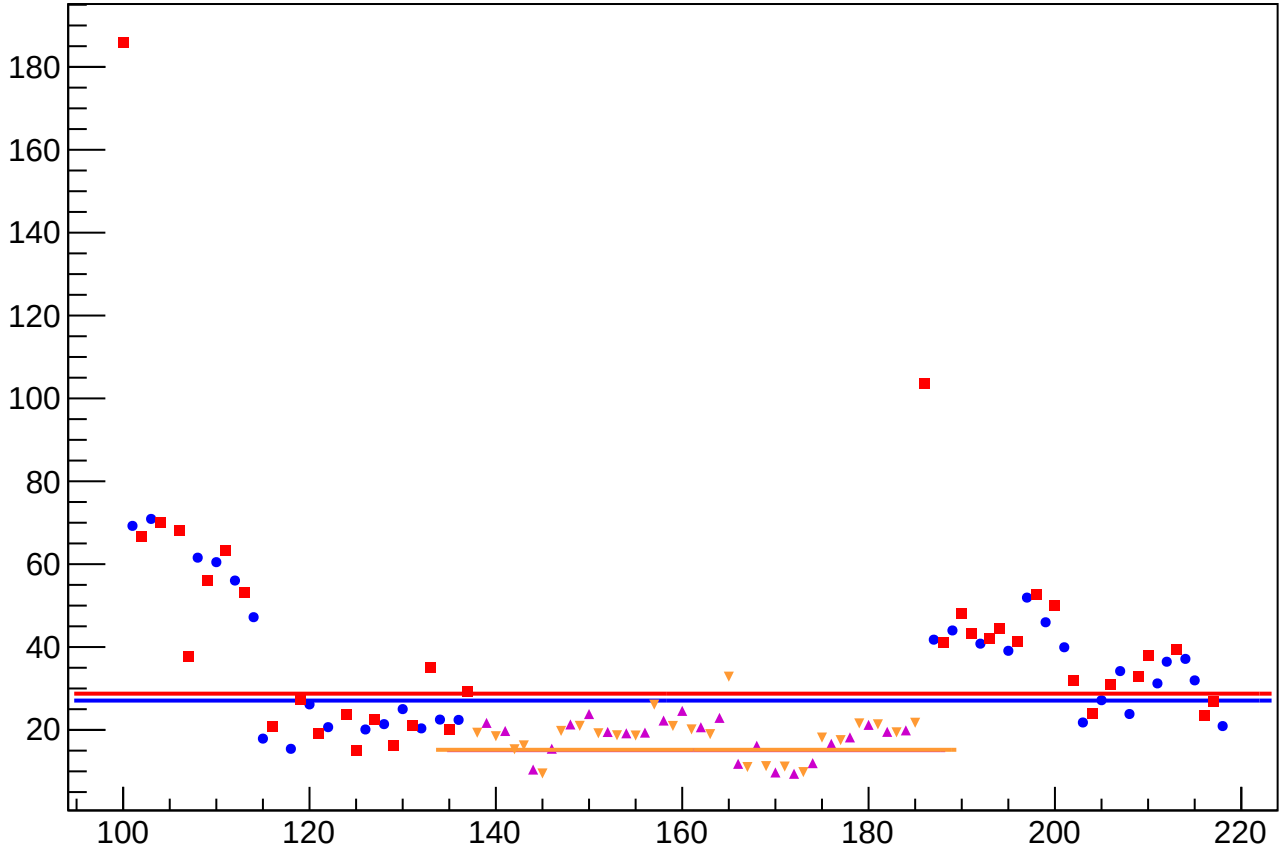
Right: 0.011+/-0.005 χ^2/NDF: 103.7/67

In: 0.003+/-0.003 χ^2/NDF:58.5/54

Out: 0.002+/-0.003 χ^2/NDF:100.2/60

All: 0.002+/-0.002 χ^2/NDF: 158.7/115

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 28.749+/-0.005 χ^2/NDF: 5642531.7/35

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

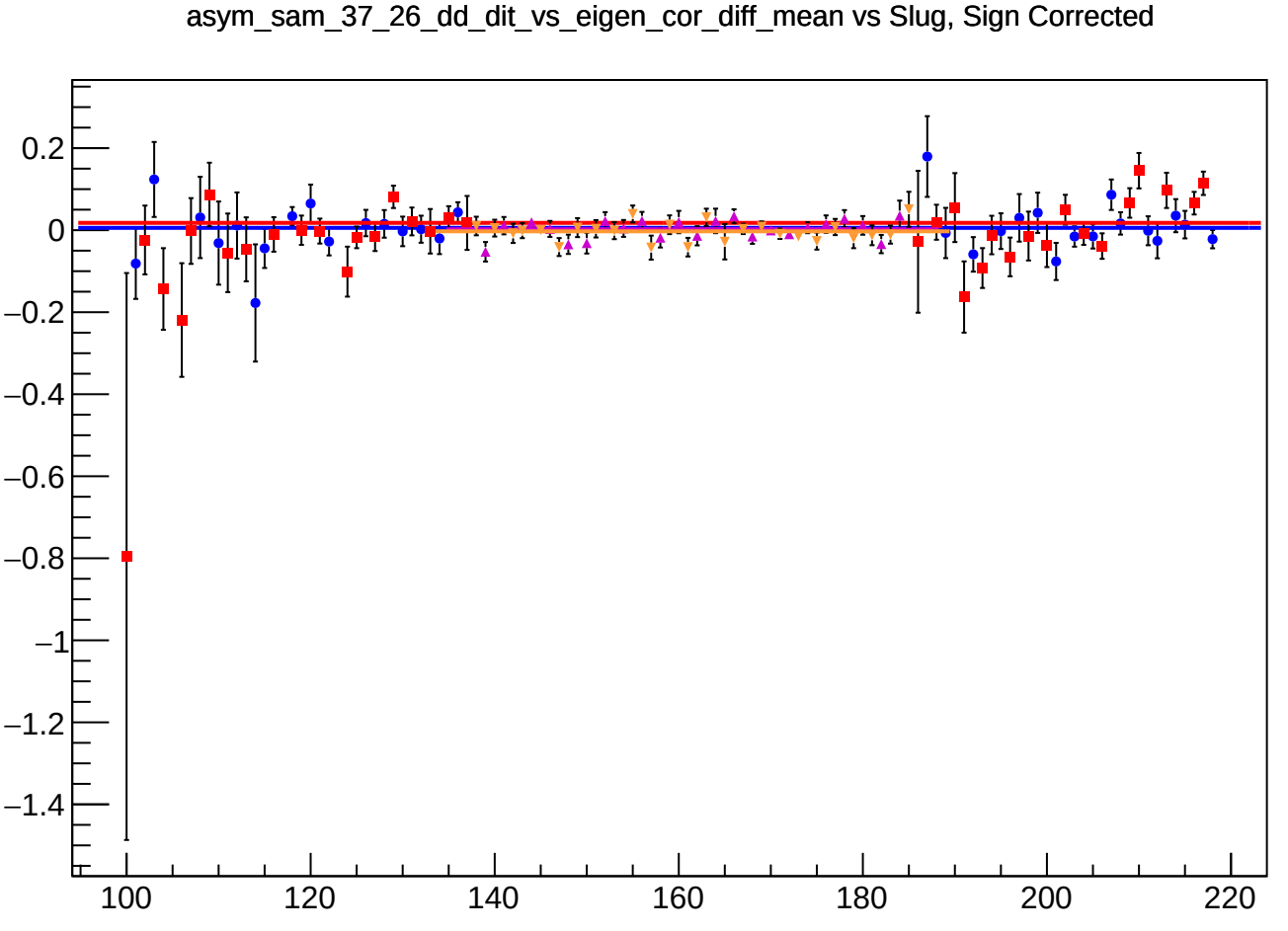
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.868+/-0.003 χ^2/NDF: 10450977.8/67

In: 18.097+/-0.002 χ^2/NDF:13024826.0/54

Out: 18.150+/-0.002 χ^2/NDF:14904852.1/60

All: 18.124+/-0.002 χ^2/NDF: 27929940.4/115



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: 70.8/35

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

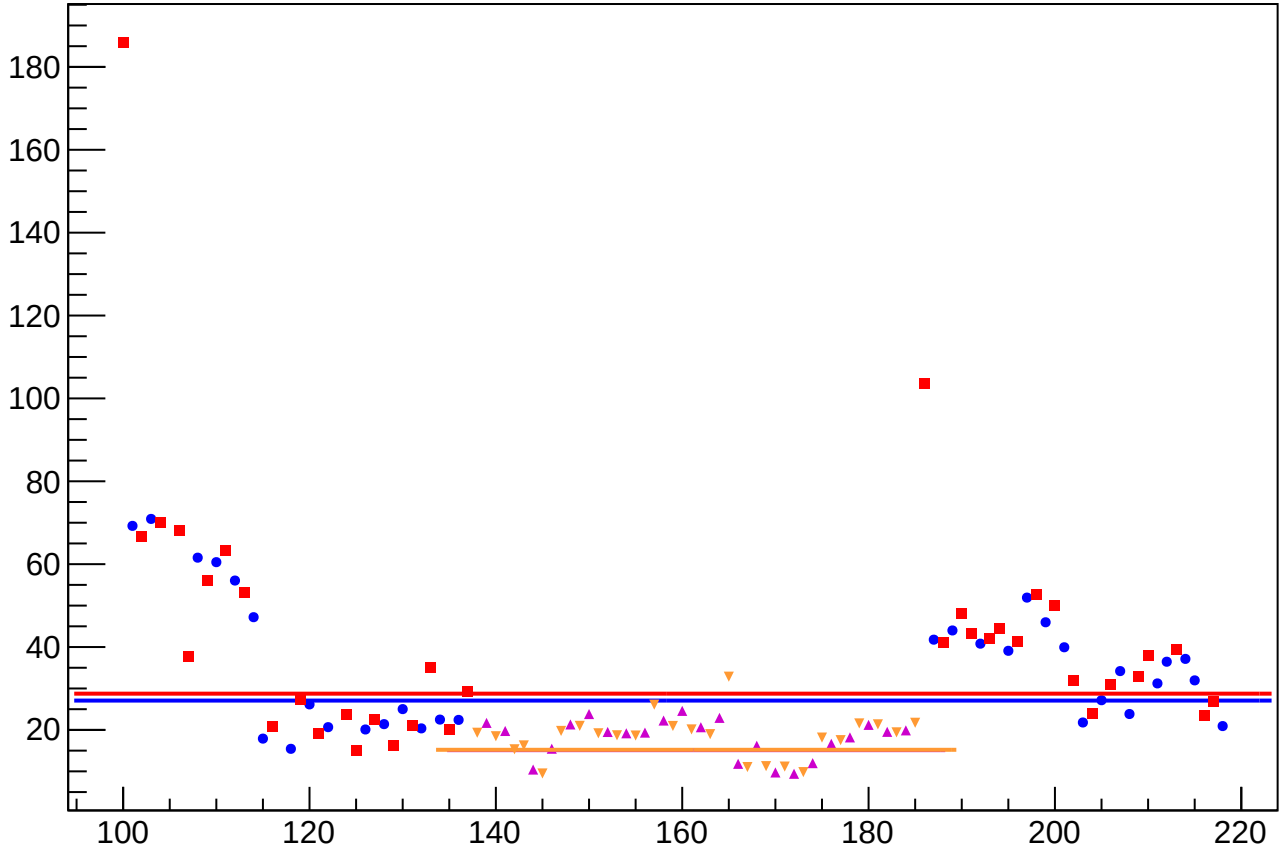
Right: 0.011+/-0.005 χ^2/NDF: 103.7/67

In: 0.003+/-0.003 χ^2/NDF:58.5/54

Out: 0.002+/-0.003 χ^2/NDF:100.2/60

All: 0.002+/-0.002 χ^2/NDF: 158.7/115

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 28.749+/-0.005 χ^2/NDF: 5642531.7/35

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

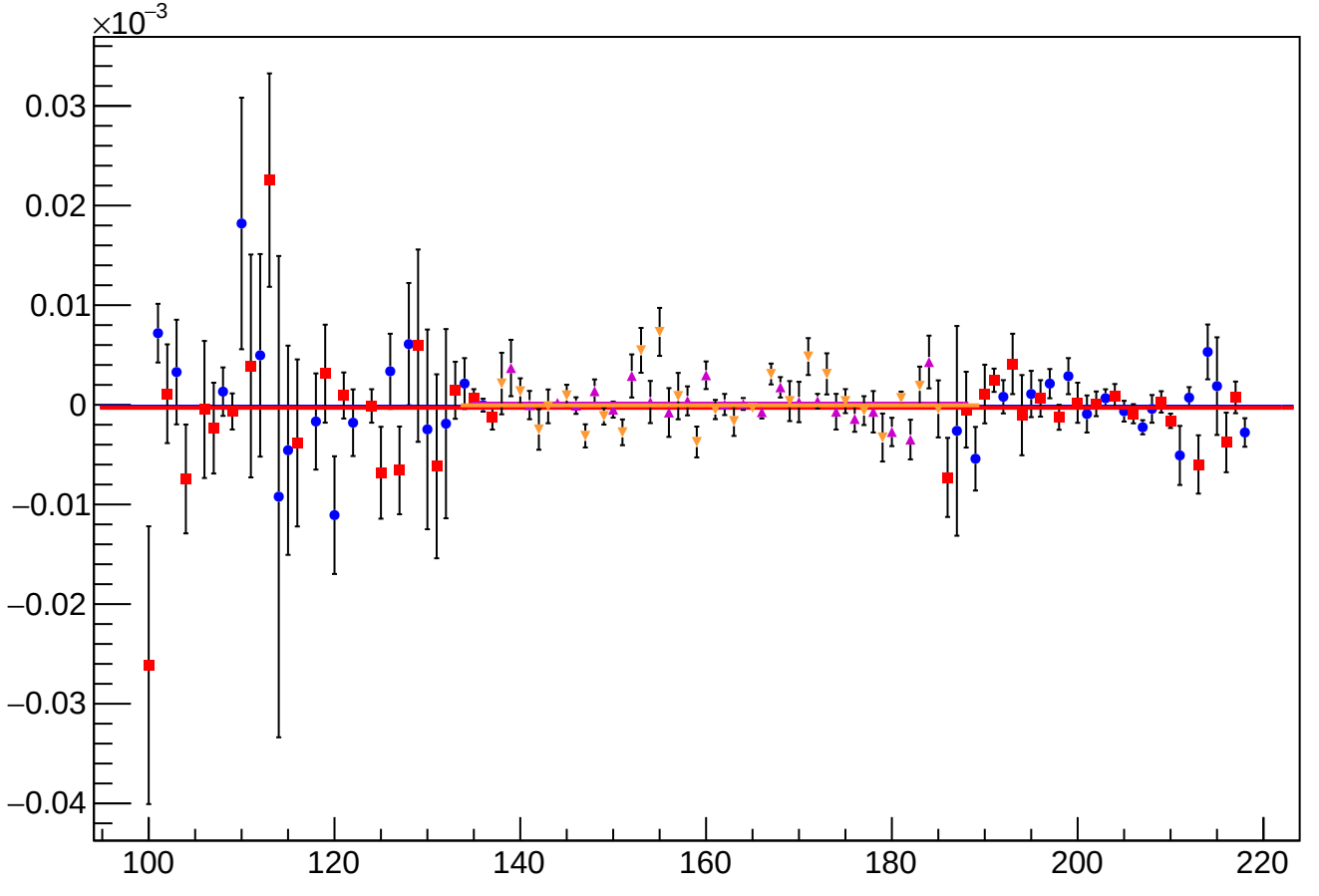
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.868+/-0.003 χ^2/NDF: 10450977.8/67

In: 18.097+/-0.002 χ^2/NDF:13024826.0/54

Out: 18.150+/-0.002 χ^2/NDF:14904852.1/60

All: 18.124+/-0.002 χ^2/NDF: 27929940.4/115



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: 40.5/35

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

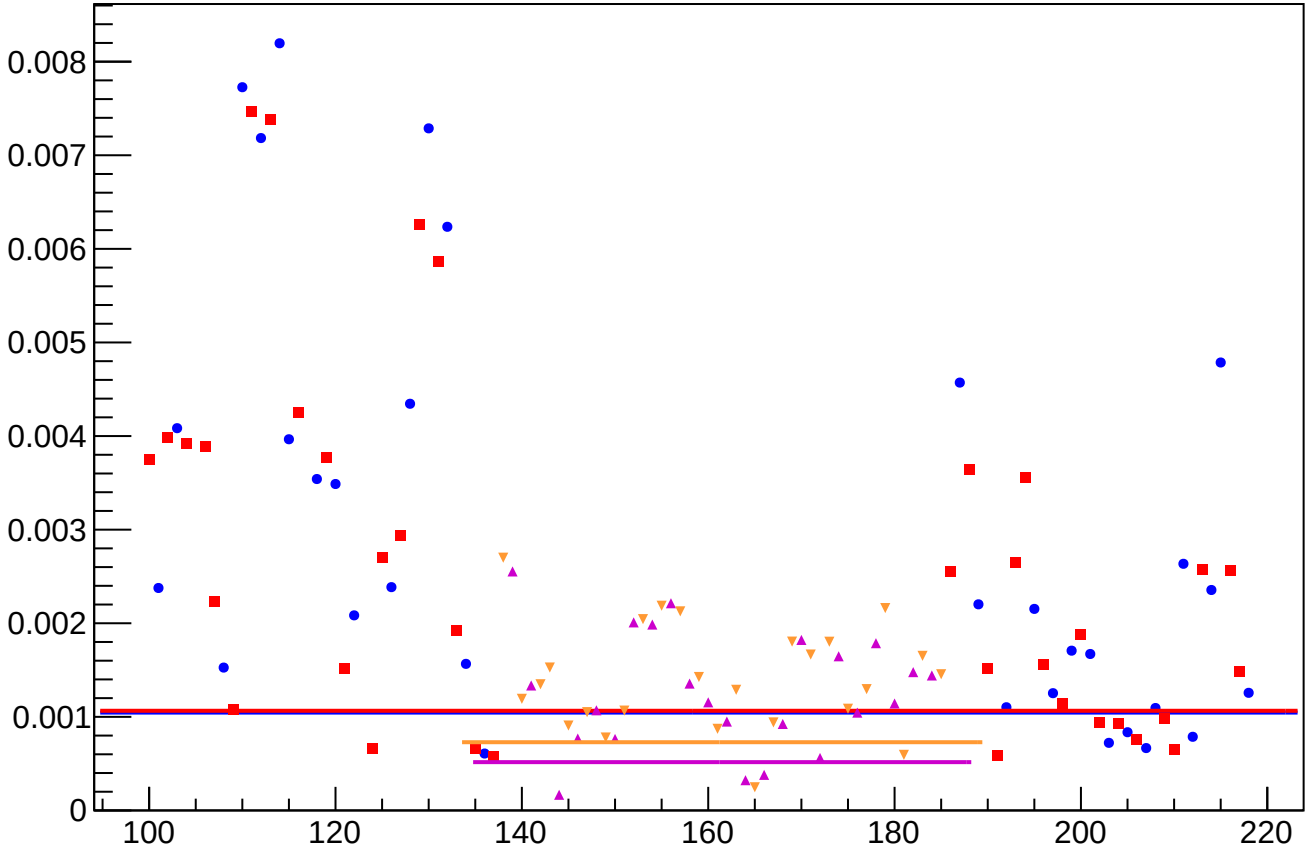
Right: -0.000+/-0.000 χ^2/NDF: 86.3/67

In: 0.000+/-0.000 χ^2/NDF:72.0/54

Out: -0.000+/-0.000 χ^2/NDF:103.8/60

All: -0.000+/-0.000 χ^2/NDF: 176.3/115

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: 12288594.5/35

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

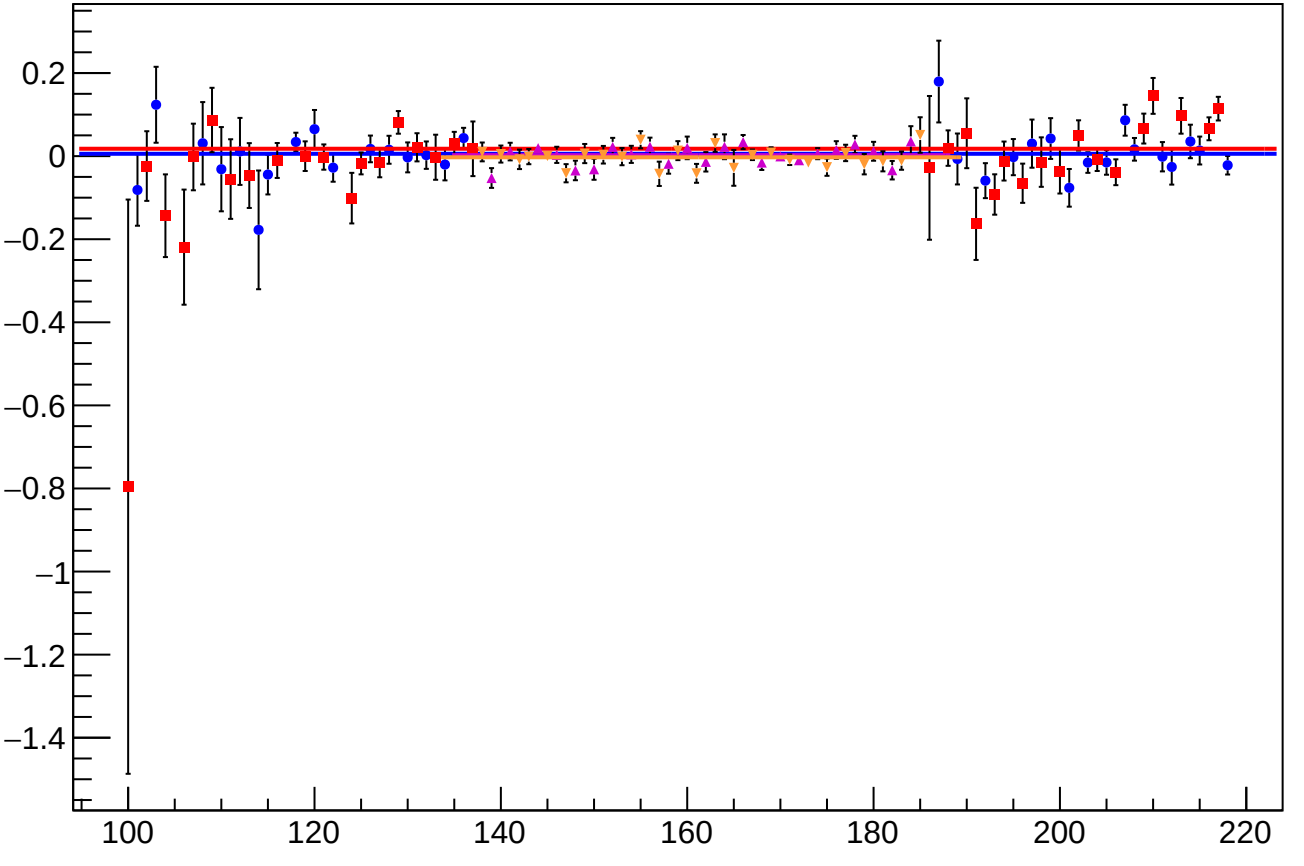
Right: 0.001+/-0.000 χ^2/NDF: 24088016.8/67

In: 0.001+/-0.000 χ^2/NDF:31502265.2/54

Out: 0.001+/-0.000 χ^2/NDF:27120988.0/60

All: 0.001+/-0.000 χ^2/NDF: 59980742.0/115

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: 0.018+/-0.007 χ^2/NDF: 70.8/35

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

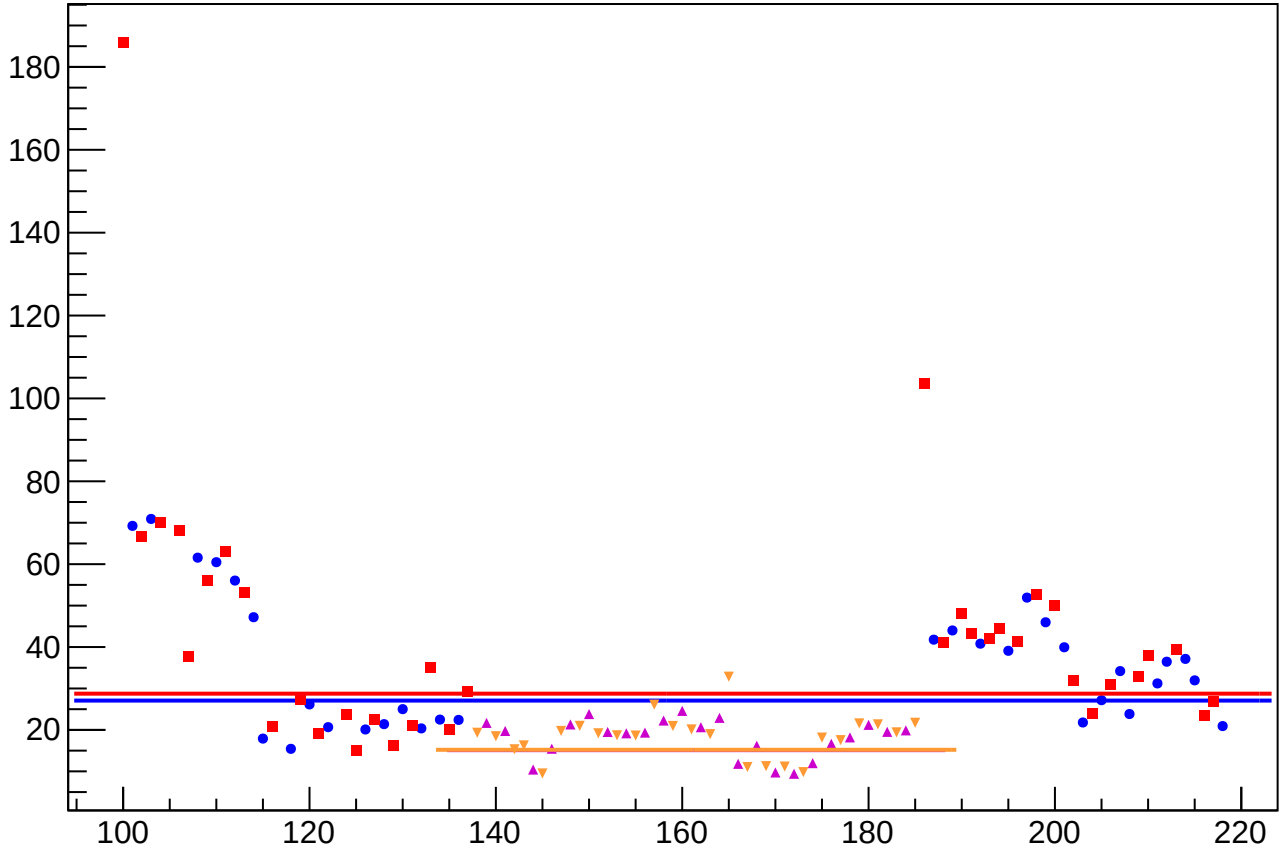
Right: 0.011+/-0.005 χ^2/NDF: 103.7/67

In: 0.003+/-0.003 χ^2/NDF:58.5/54

Out: 0.002+/-0.003 χ^2/NDF:100.2/60

All: 0.002+/-0.002 χ^2/NDF: 158.7/115

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: 28.749+/-0.005 χ^2/NDF: 5642674.8/35

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

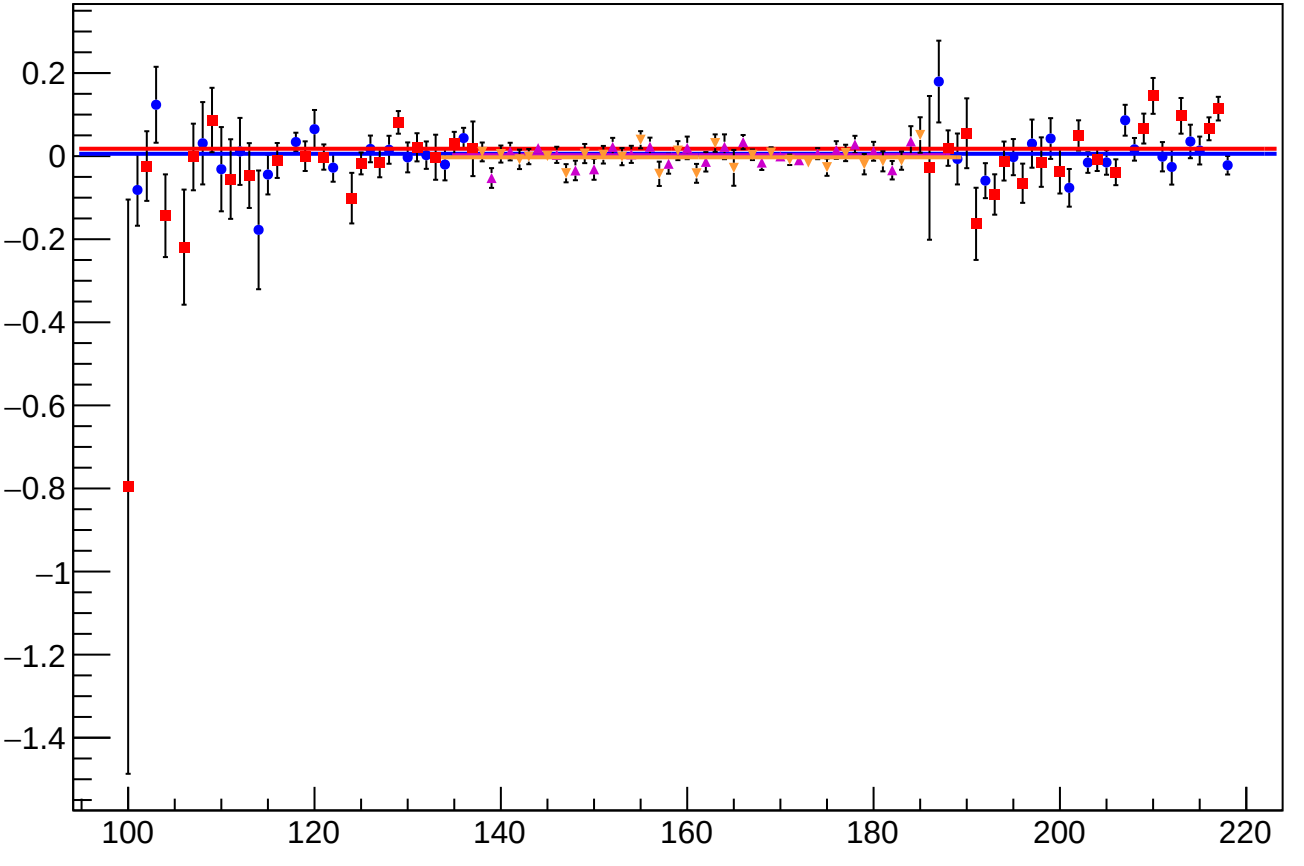
Right: 27.867+/-0.003 χ^2/NDF: 10451562.0/67

In: 18.097+/-0.002 χ^2/NDF:13024716.9/54

Out: 18.150+/-0.002 χ^2/NDF:14904973.7/60

All: 18.124+/-0.002 χ^2/NDF: 27929953.1/115

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: 0.018+/-0.007 χ^2/NDF: 70.8/35

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

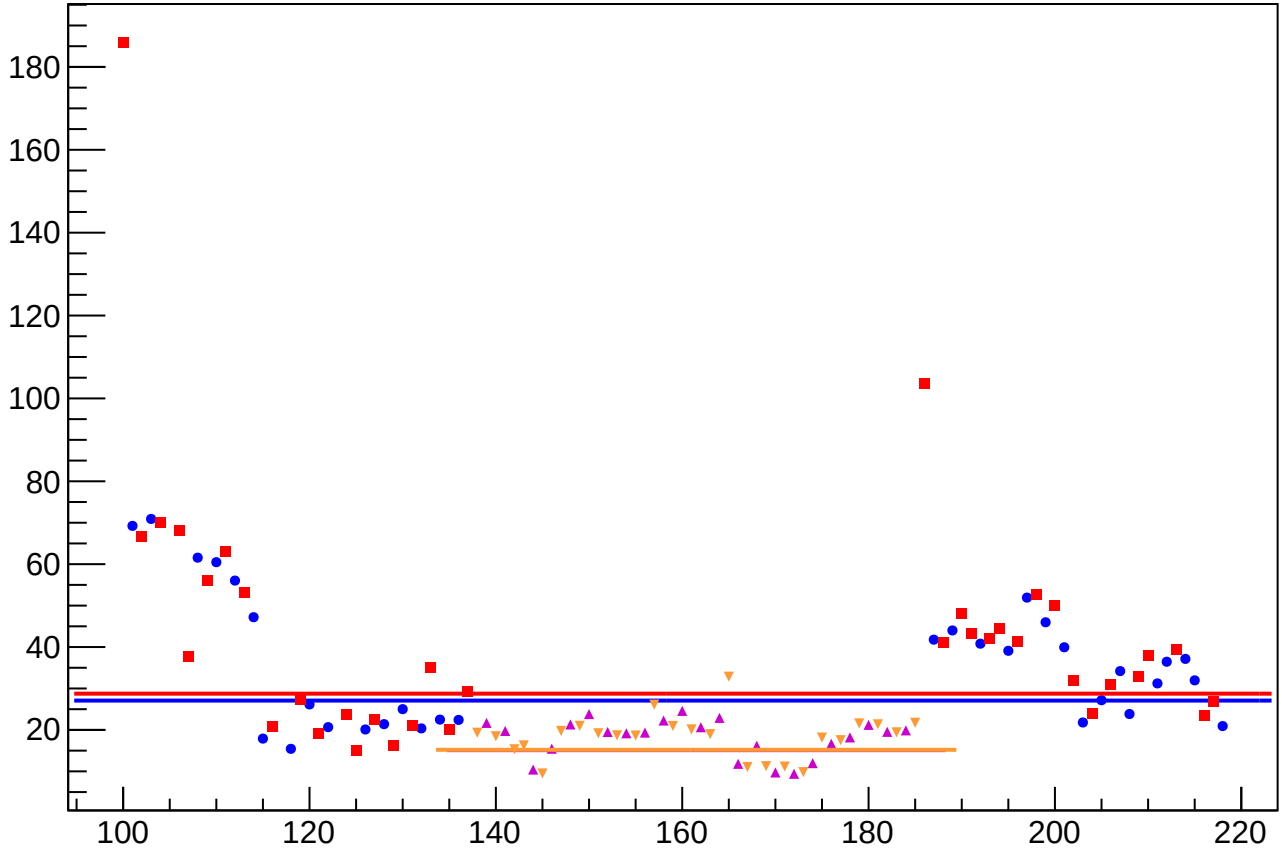
Right: 0.011+/-0.005 χ^2/NDF: 103.7/67

In: 0.003+/-0.003 χ^2/NDF:58.5/54

Out: 0.002+/-0.003 χ^2/NDF:100.2/60

All: 0.002+/-0.002 χ^2/NDF: 158.7/115

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: 28.749+/-0.005 χ^2/NDF: 5642674.8/35

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

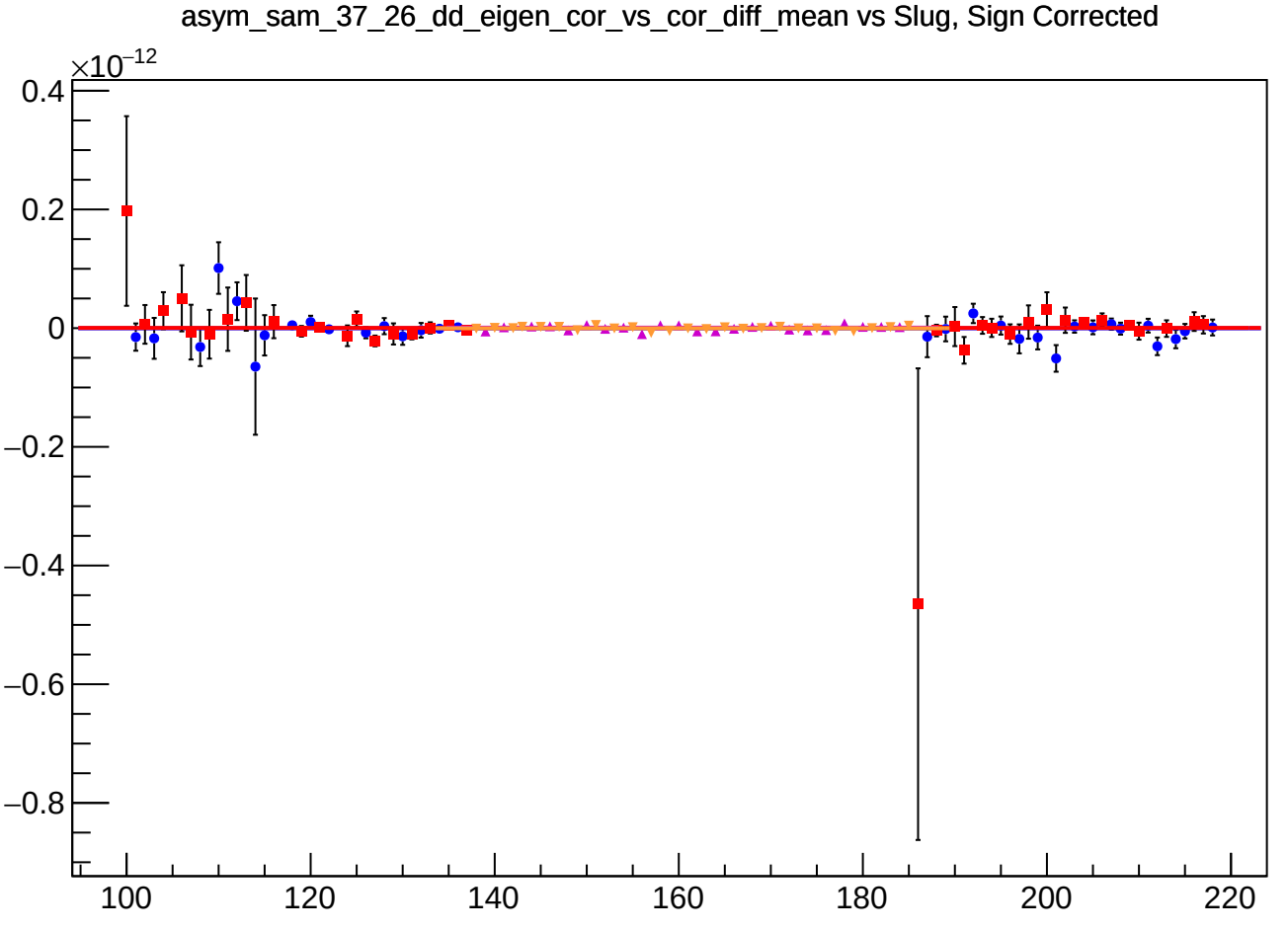
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 27.867+/-0.003 χ^2/NDF: 10451562.0/67

In: 18.097+/-0.002 χ^2/NDF:13024716.9/54

Out: 18.150+/-0.002 χ^2/NDF:14904973.7/60

All: 18.124+/-0.002 χ^2/NDF: 27929953.1/115



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: 27.1/35

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

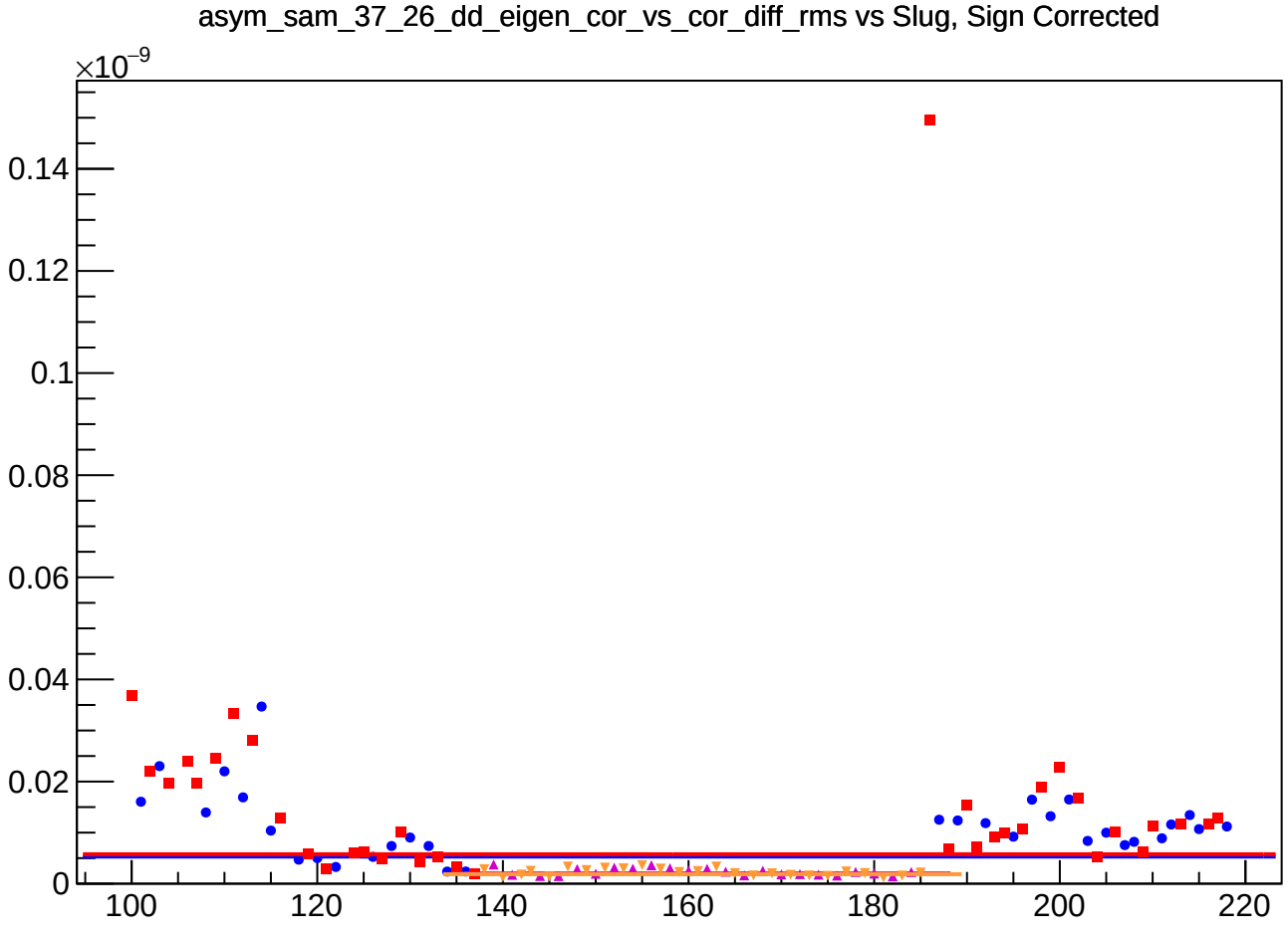
Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

Right: 0.000+/-0.000 χ^2/NDF: 55.6/67

In: 0.000+/-0.000 χ^2/NDF:68.3/54

Out: -0.000+/-0.000 χ^2/NDF:48.6/60

All: 0.000+/-0.000 χ^2/NDF: 118.3/115



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: 9670990.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

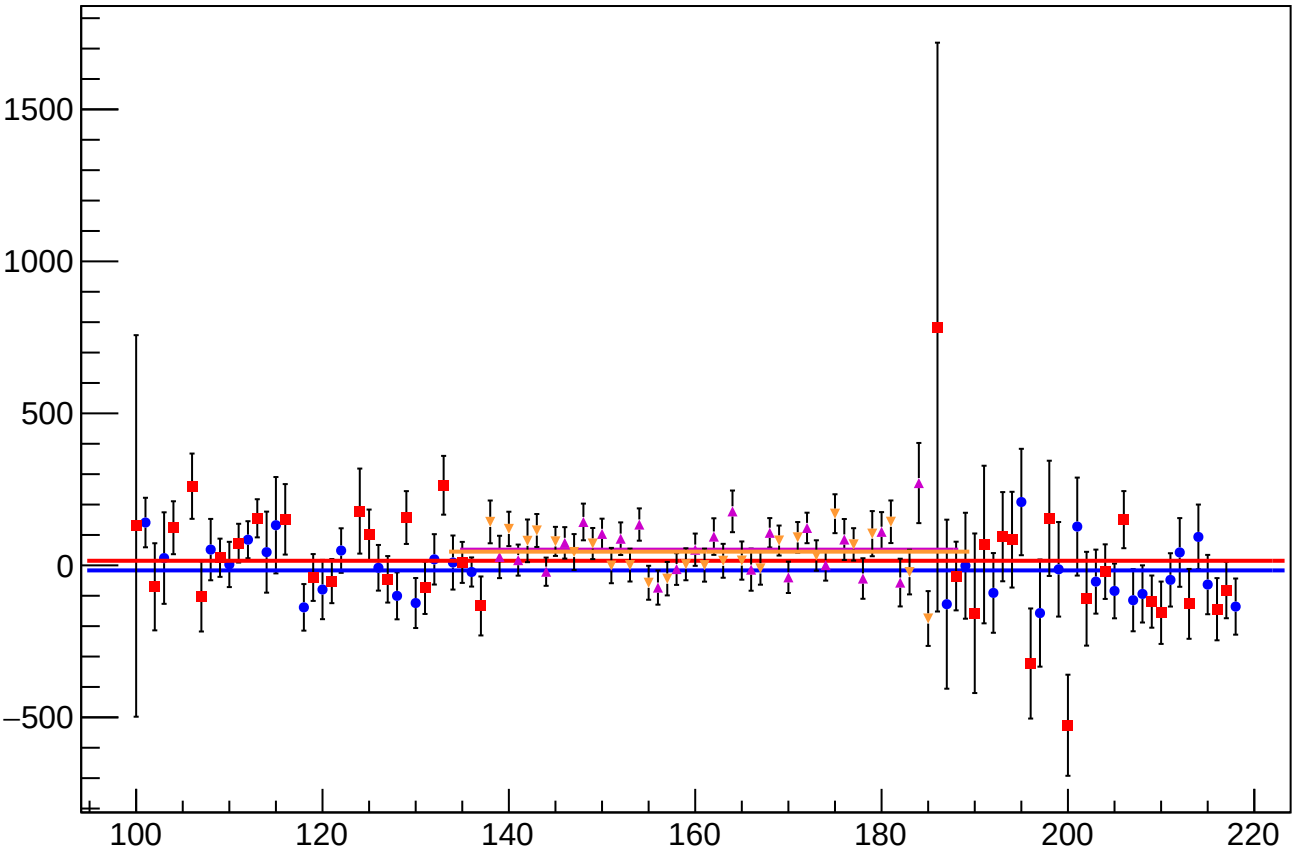
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 19291491.4/67

In: 0.000+/-0.000 χ^2/NDF:17846811.4/54

Out: 0.000+/-0.000 χ^2/NDF:19990838.3/60

All: 0.000+/-0.000 χ^2/NDF: 37959747.9/115



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: 15.072+/-16.473 χ^2/NDF: 62.1/35

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

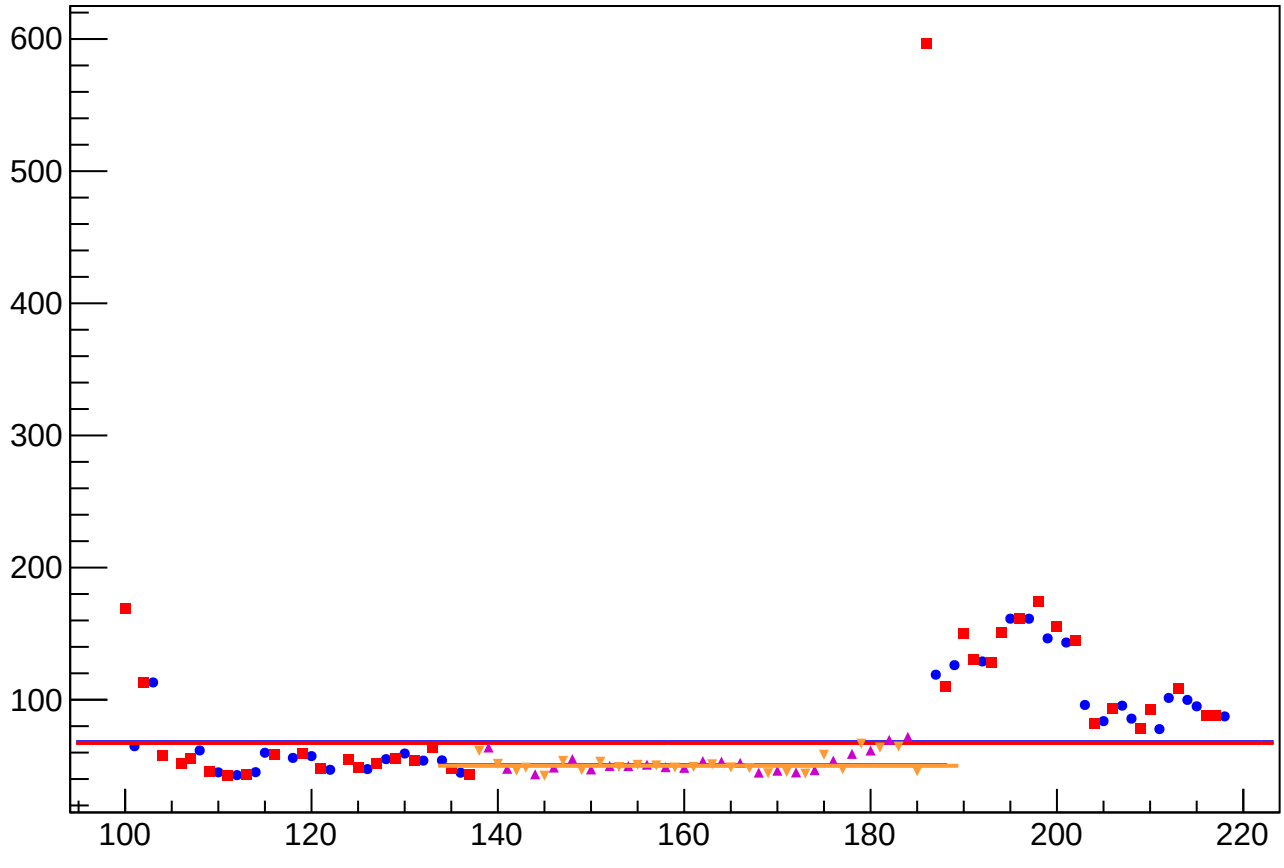
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: -0.785+/-11.644 χ^2/NDF: 88.2/67

In: 28.120+/-9.659 χ^2/NDF:71.4/54

Out: 35.262+/-9.426 χ^2/NDF:95.7/60

All: 31.778+/-6.746 χ^2/NDF: 167.3/115



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: 67.288+/-0.012 χ^2/NDF: 7127864.0/35

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

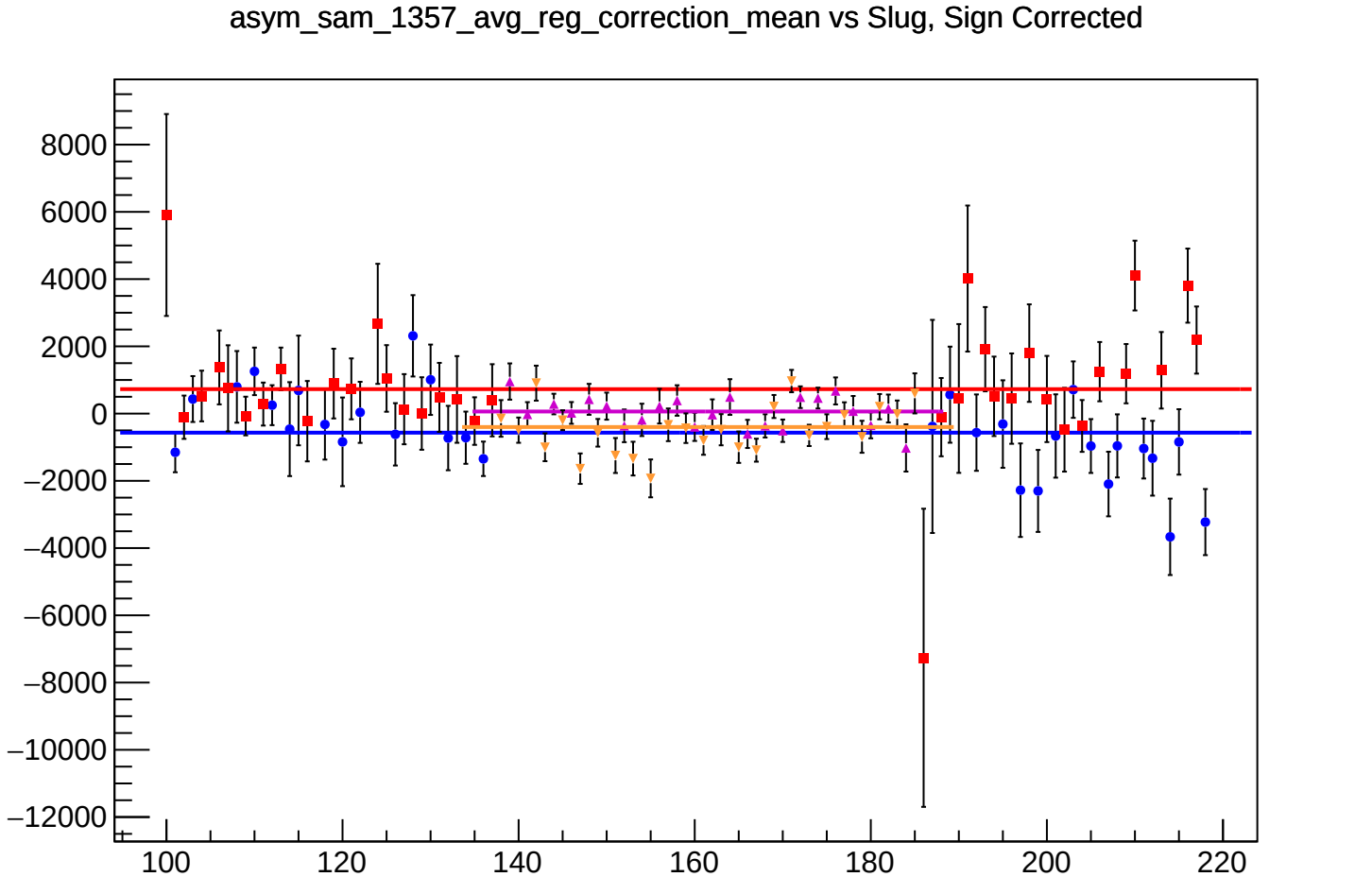
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 67.581+/-0.008 χ^2/NDF: 12788653.8/67

In: 56.490+/-0.007 χ^2/NDF:7621754.9/54

Out: 55.675+/-0.007 χ^2/NDF:9114770.5/60

All: 56.073+/-0.005 χ^2/NDF: 16743821.6/115



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: 727.161+/-165.134 χ^2/NDF: 45.1/35

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

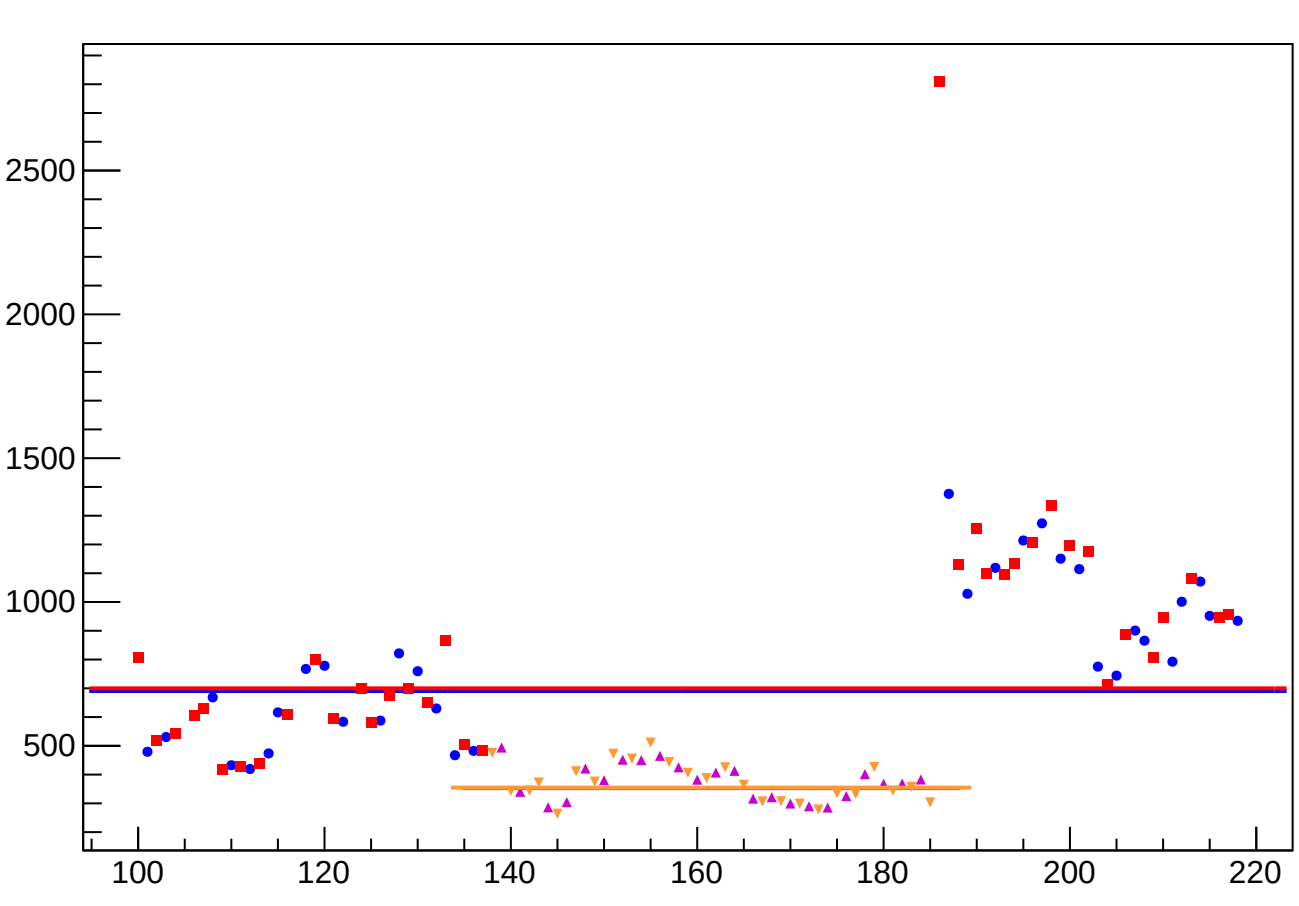
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 72.434+/-116.089 χ^2/NDF: 126.0/67

In: -69.460+/-74.615 χ^2/NDF:85.5/54

Out: -176.256+/-73.489 χ^2/NDF:147.8/60

All: -123.669+/-52.358 χ^2/NDF: 234.4/115



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: 699.818+/-0.117 χ^2/NDF: 5161365.3/35

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

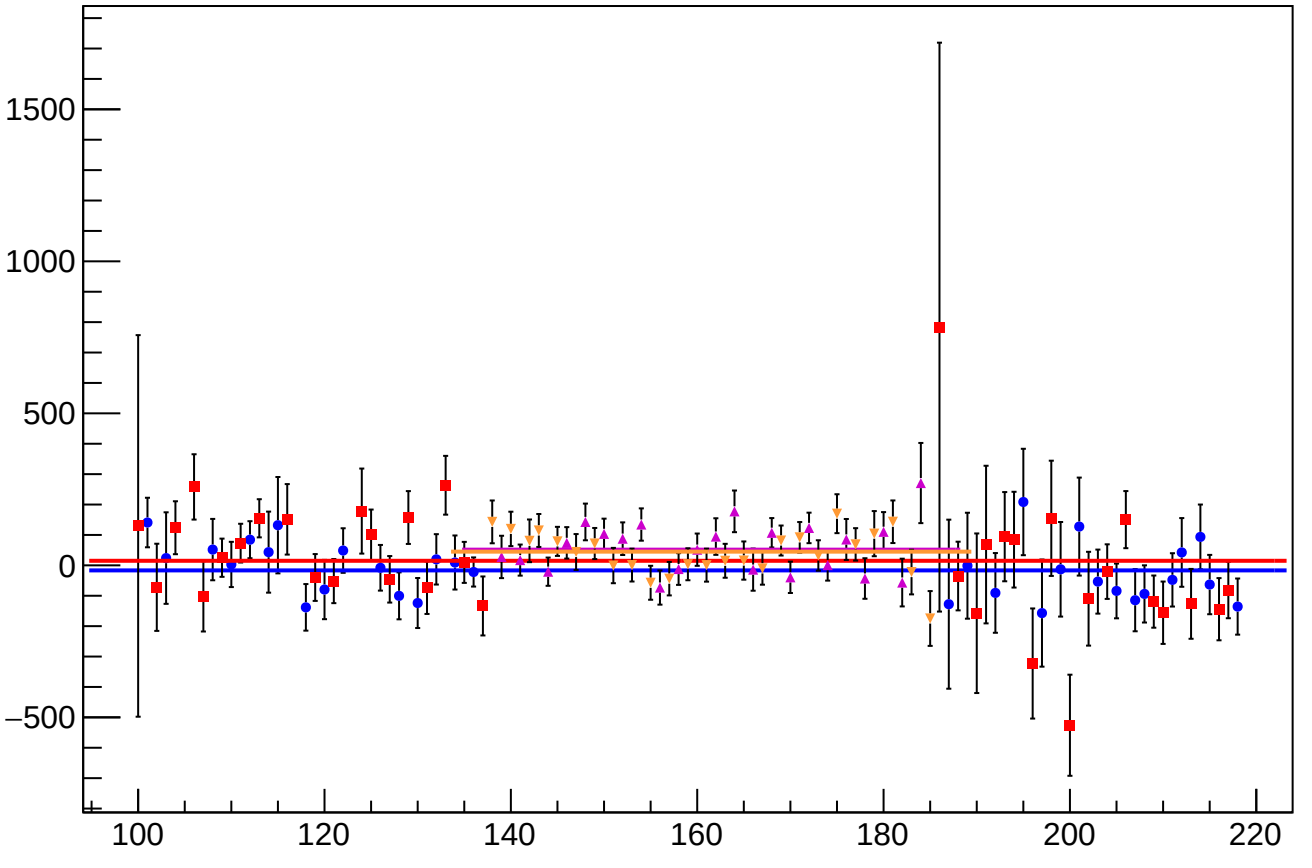
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 695.167+/-0.082 χ^2/NDF: 9421147.5/67

In: 423.632+/-0.053 χ^2/NDF:12024768.1/54

Out: 423.026+/-0.052 χ^2/NDF:13313556.9/60

All: 423.325+/-0.037 χ^2/NDF: 25338392.0/1



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: 14.990+/-16.473 χ^2/NDF: 62.0/35

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

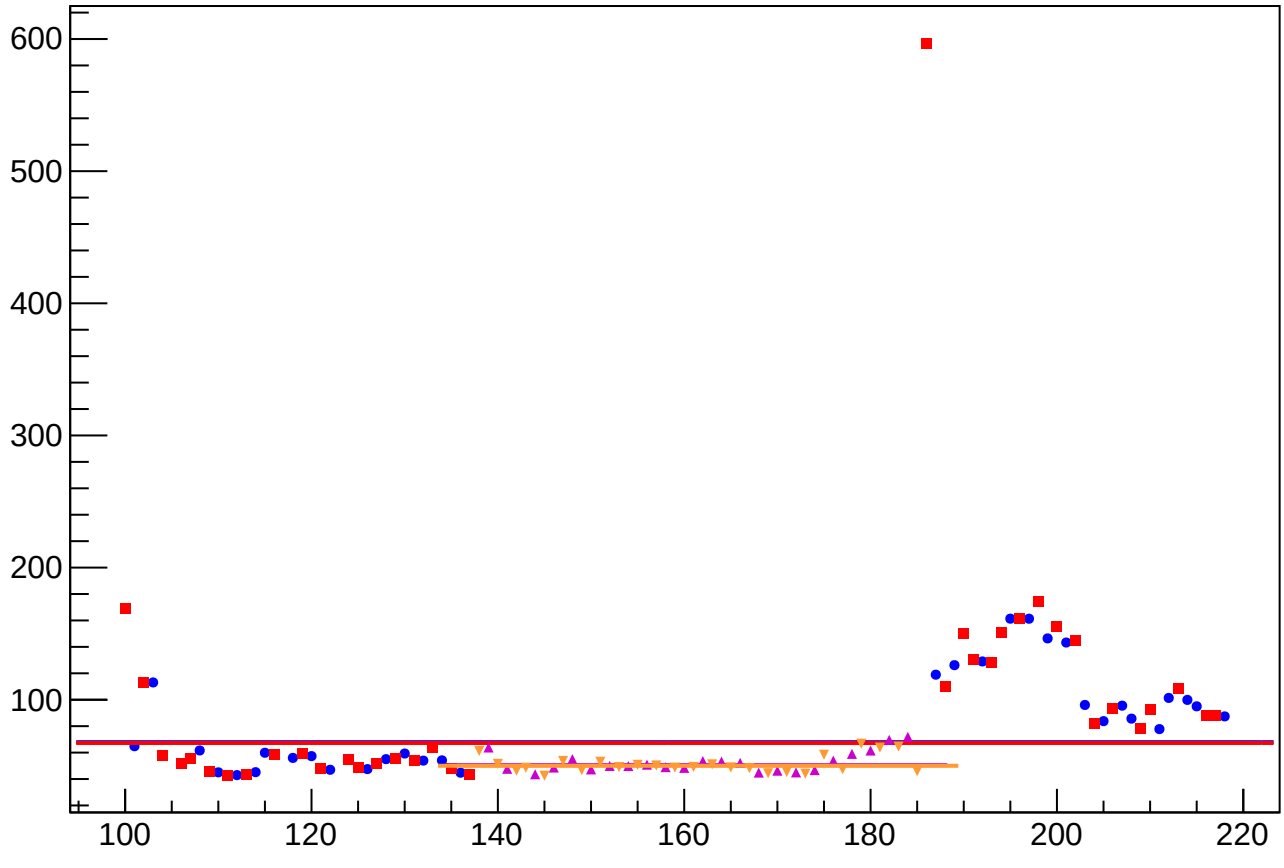
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: -0.828+/-11.644 χ^2/NDF: 88.1/67

In: 28.119+/-9.659 χ^2/NDF:71.4/54

Out: 35.238+/-9.427 χ^2/NDF:95.6/60

All: 31.765+/-6.746 χ^2/NDF: 167.3/115



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: 67.281+/-0.012 χ^2/NDF: 7129702.1/35

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

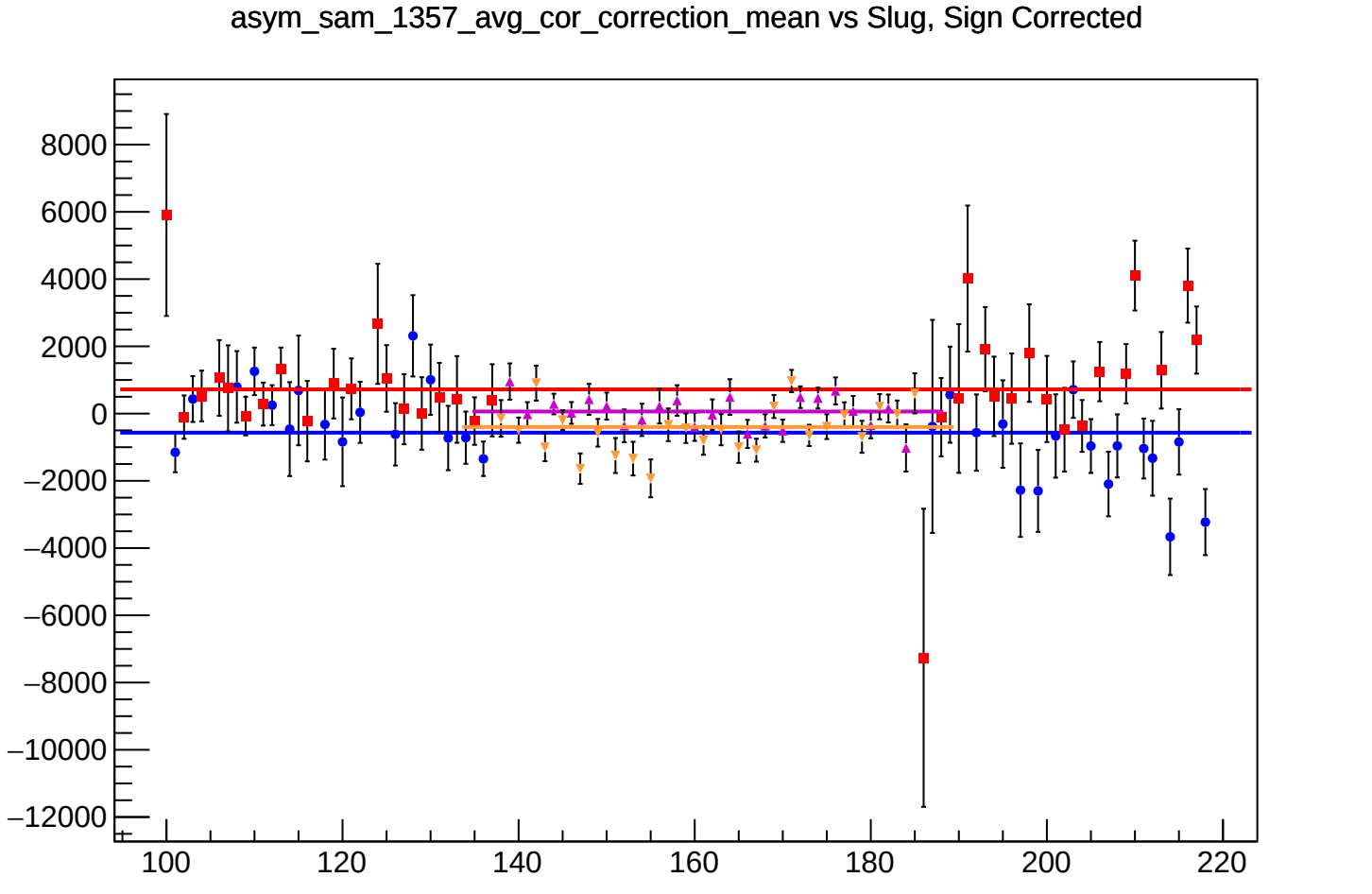
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 67.577+/-0.008 χ^2/NDF: 12790523.2/67

In: 56.490+/-0.007 χ^2/NDF:7621757.2/54

Out: 55.673+/-0.007 χ^2/NDF:9115427.7/60

All: 56.072+/-0.005 χ^2/NDF: 16744522.9/115



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: 720.054+/-165.237 χ^2/NDF: 44.8/35

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

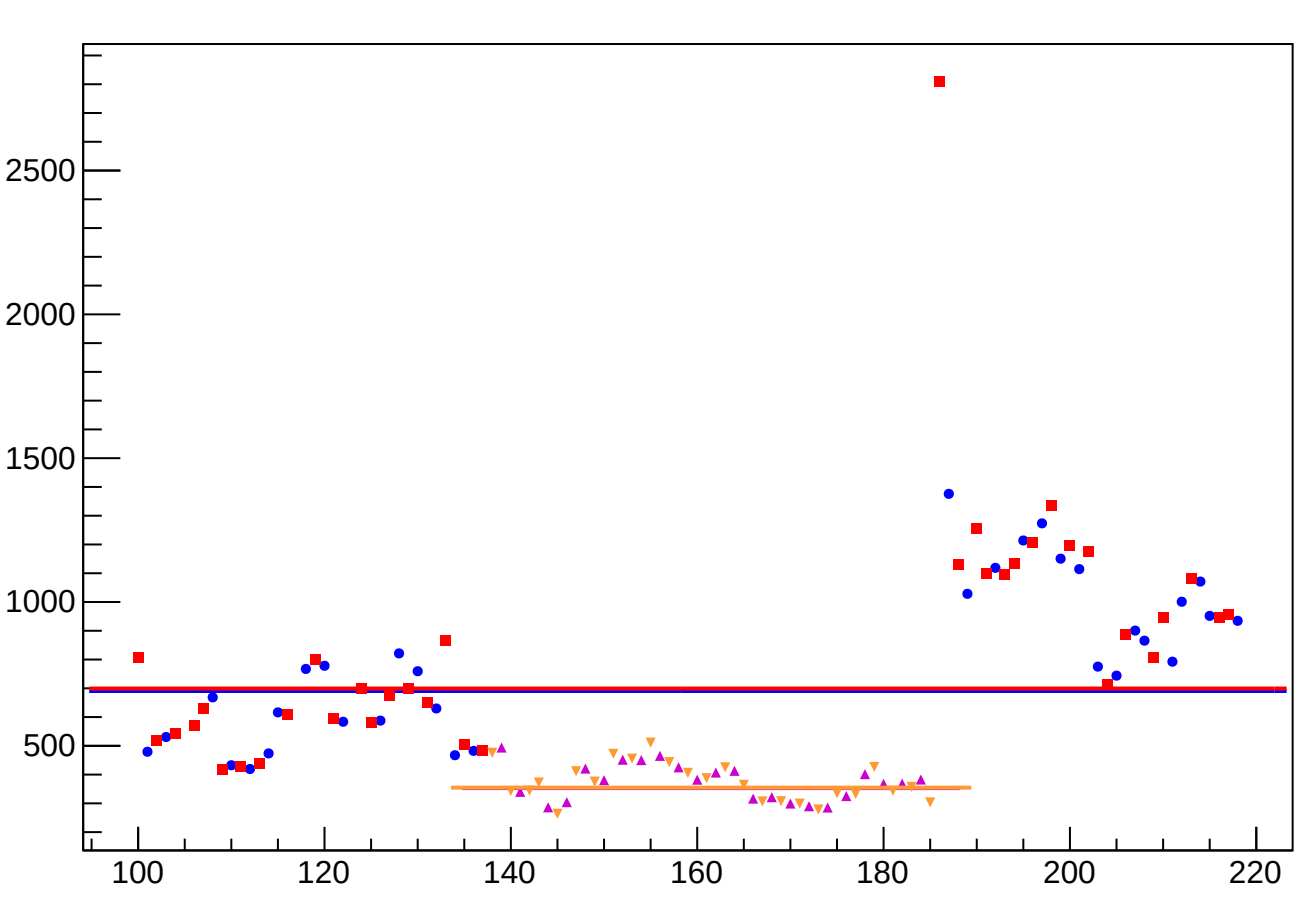
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 68.531+/-116.125 χ^2/NDF: 125.4/67

In: -69.457+/-74.615 χ^2/NDF:85.5/54

Out: -177.880+/-73.498 χ^2/NDF:147.1/60

All: -124.486+/-52.361 χ^2/NDF: 233.6/115



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: 699.216+/-0.117 χ^2/NDF: 5171908.2/35

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

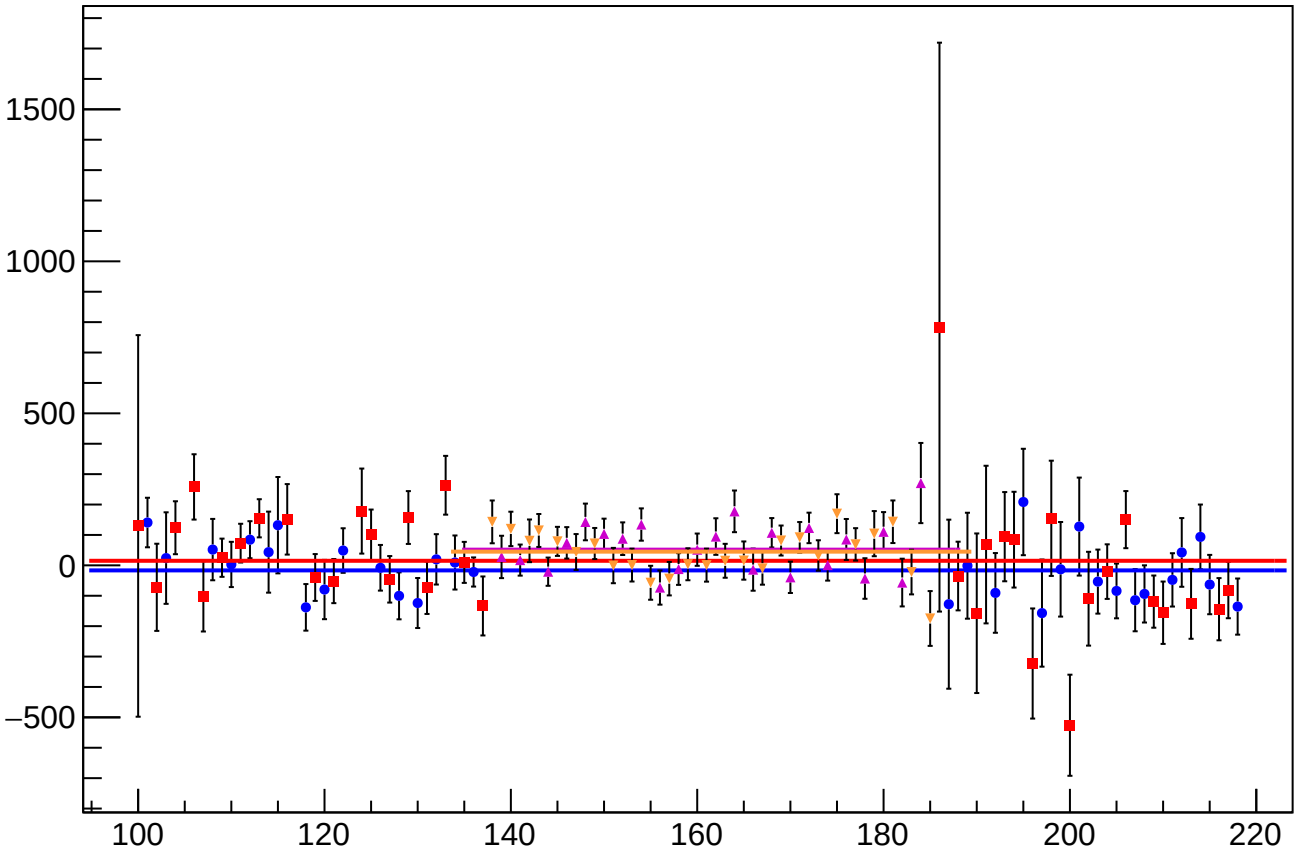
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 694.869+/-0.082 χ^2/NDF: 9431187.1/67

In: 423.633+/-0.053 χ^2/NDF:12024811.8/54

Out: 422.839+/-0.052 χ^2/NDF:13292711.5/60

All: 423.230+/-0.037 χ^2/NDF: 25317638.2/11



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: 14.990+/-16.473 χ^2/NDF: 62.0/35

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

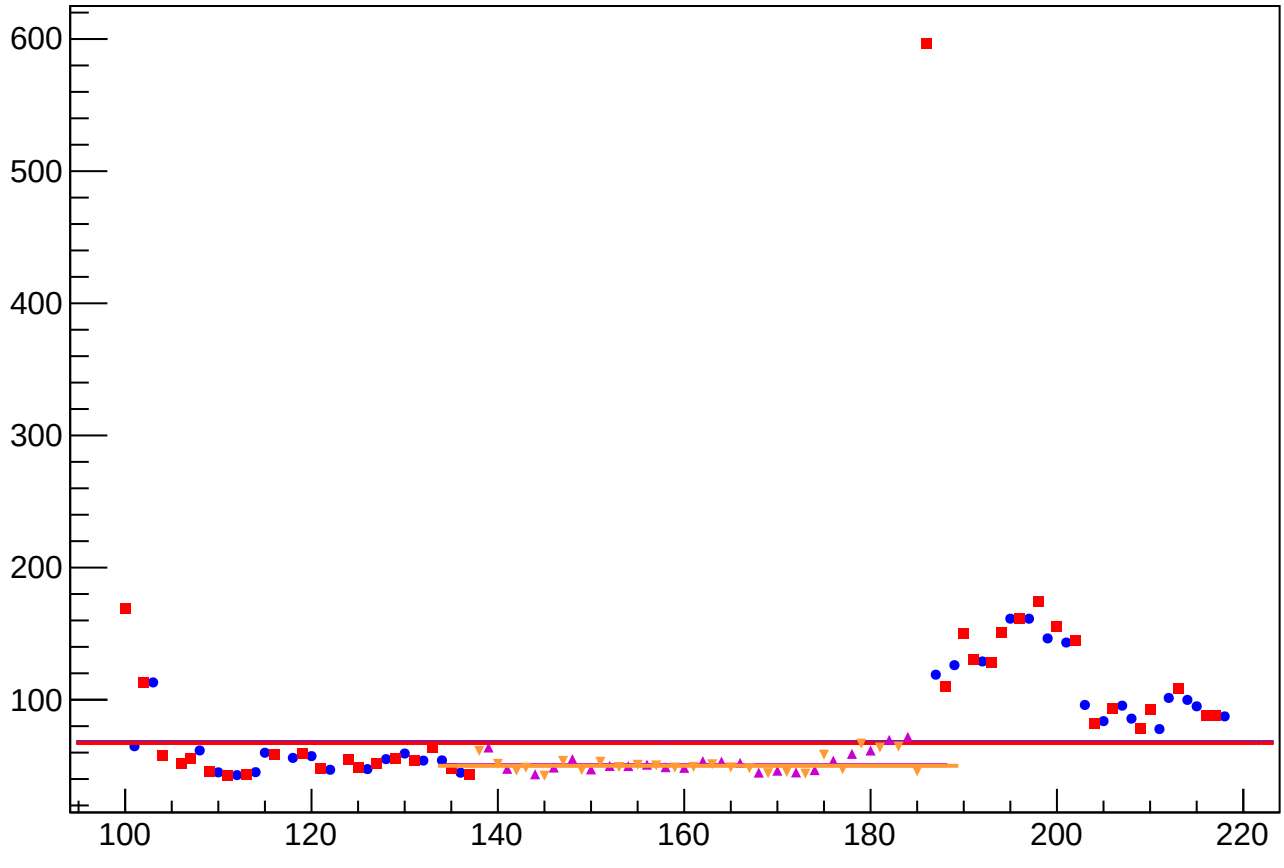
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: -0.828+/-11.644 χ^2/NDF: 88.1/67

In: 28.119+/-9.659 χ^2/NDF:71.4/54

Out: 35.238+/-9.427 χ^2/NDF:95.6/60

All: 31.765+/-6.746 χ^2/NDF: 167.3/115



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: 67.281+/-0.012 χ^2/NDF: 7129702.1/35

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

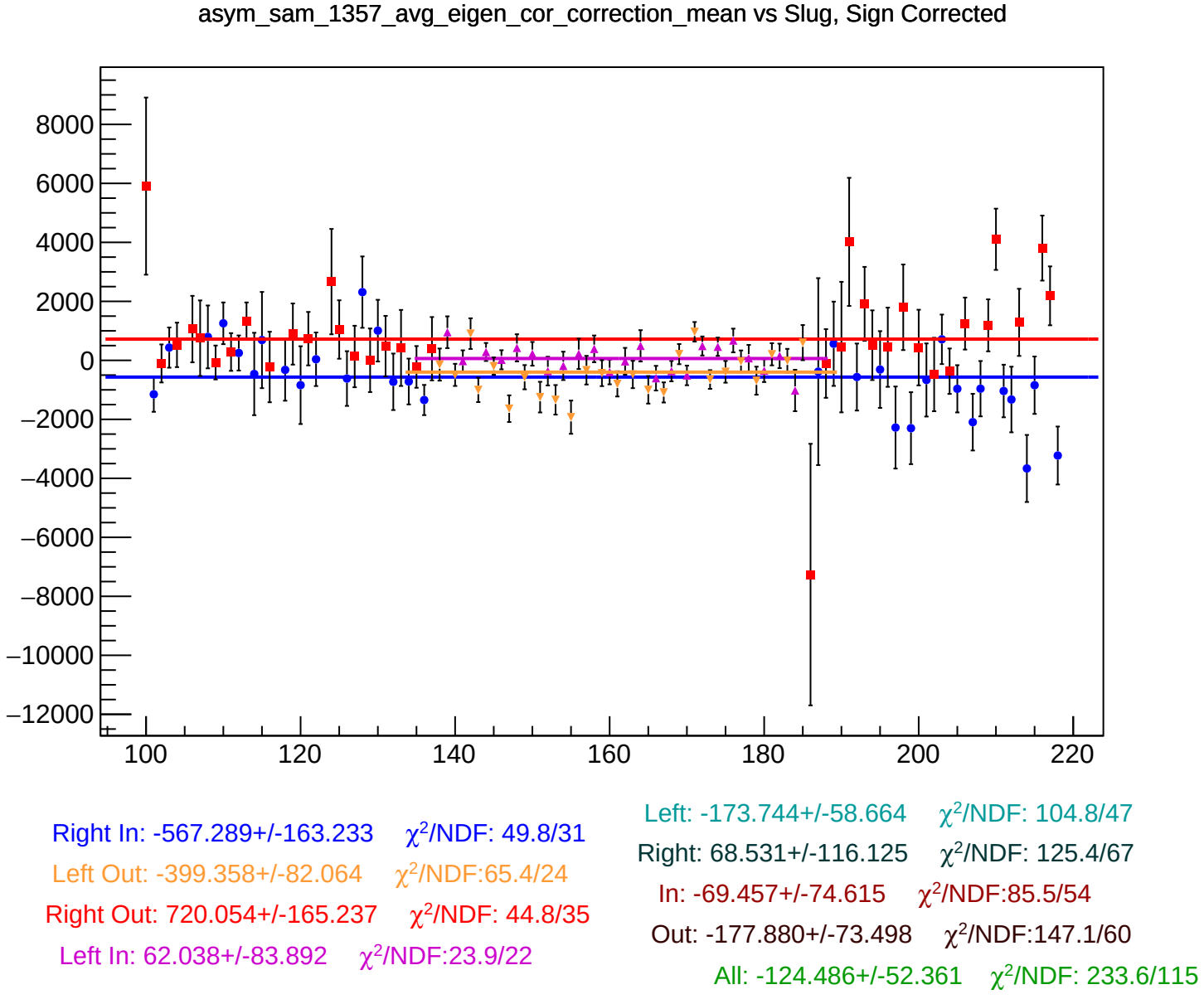
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

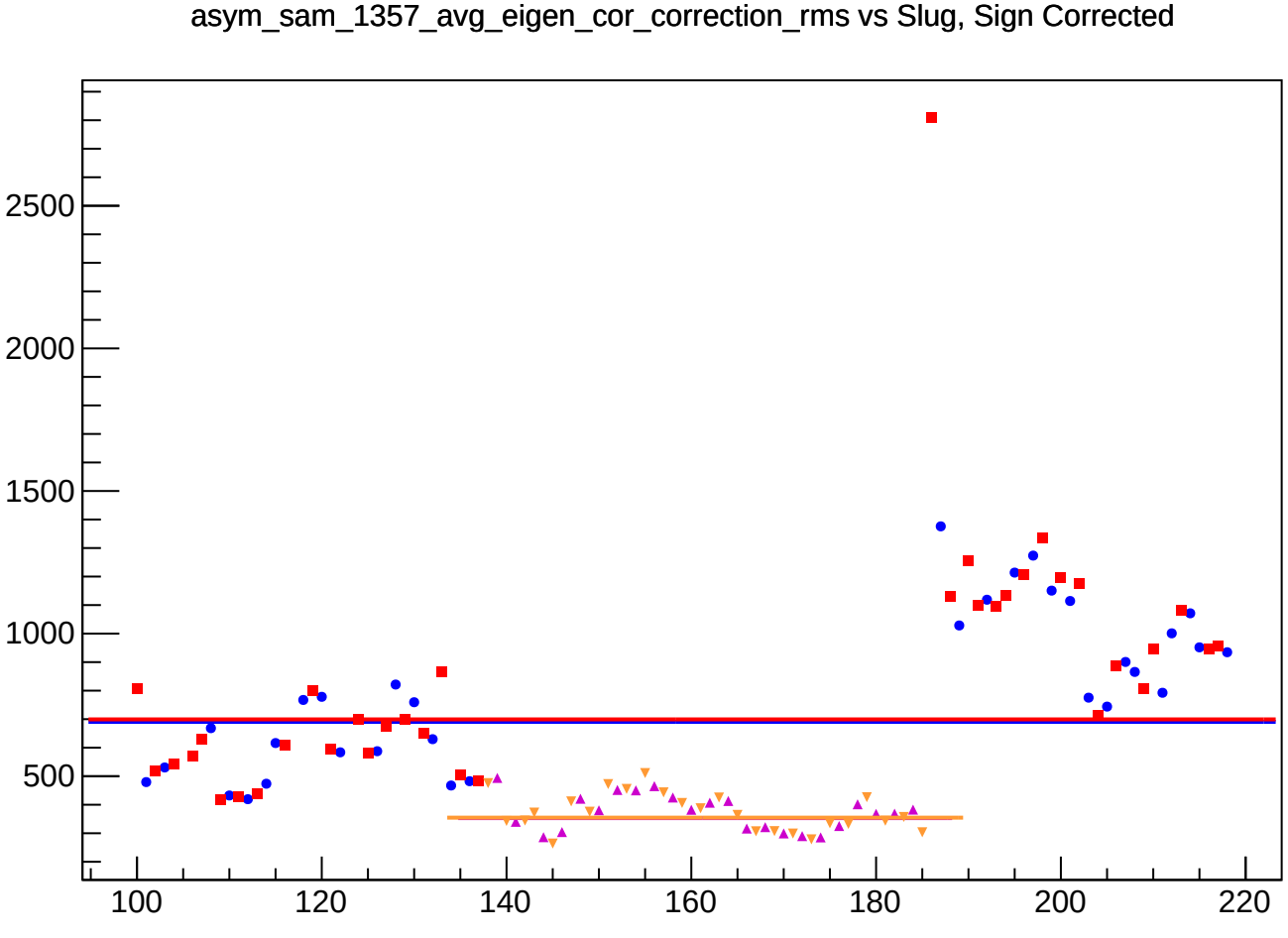
Right: 67.577+/-0.008 χ^2/NDF: 12790523.2/67

In: 56.490+/-0.007 χ^2/NDF:7621757.2/54

Out: 55.673+/-0.007 χ^2/NDF:9115427.7/60

All: 56.072+/-0.005 χ^2/NDF: 16744522.9/115


asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: -567.289+/-163.233 χ²/NDF: 49.8/31
Left Out: -399.358+/-82.064 χ²/NDF:65.4/24
Right Out: 720.054+/-165.237 χ²/NDF: 44.8/35
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.744+/-58.664 χ²/NDF: 104.8/47
Right: 68.531+/-116.125 χ²/NDF: 125.4/67
In: -69.457+/-74.615 χ²/NDF:85.5/54
Out: -177.880+/-73.498 χ²/NDF:147.1/60
All: -124.486+/-52.361 χ²/NDF: 233.6/115



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: 699.216+/-0.117 χ^2/NDF: 5171908.2/35

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

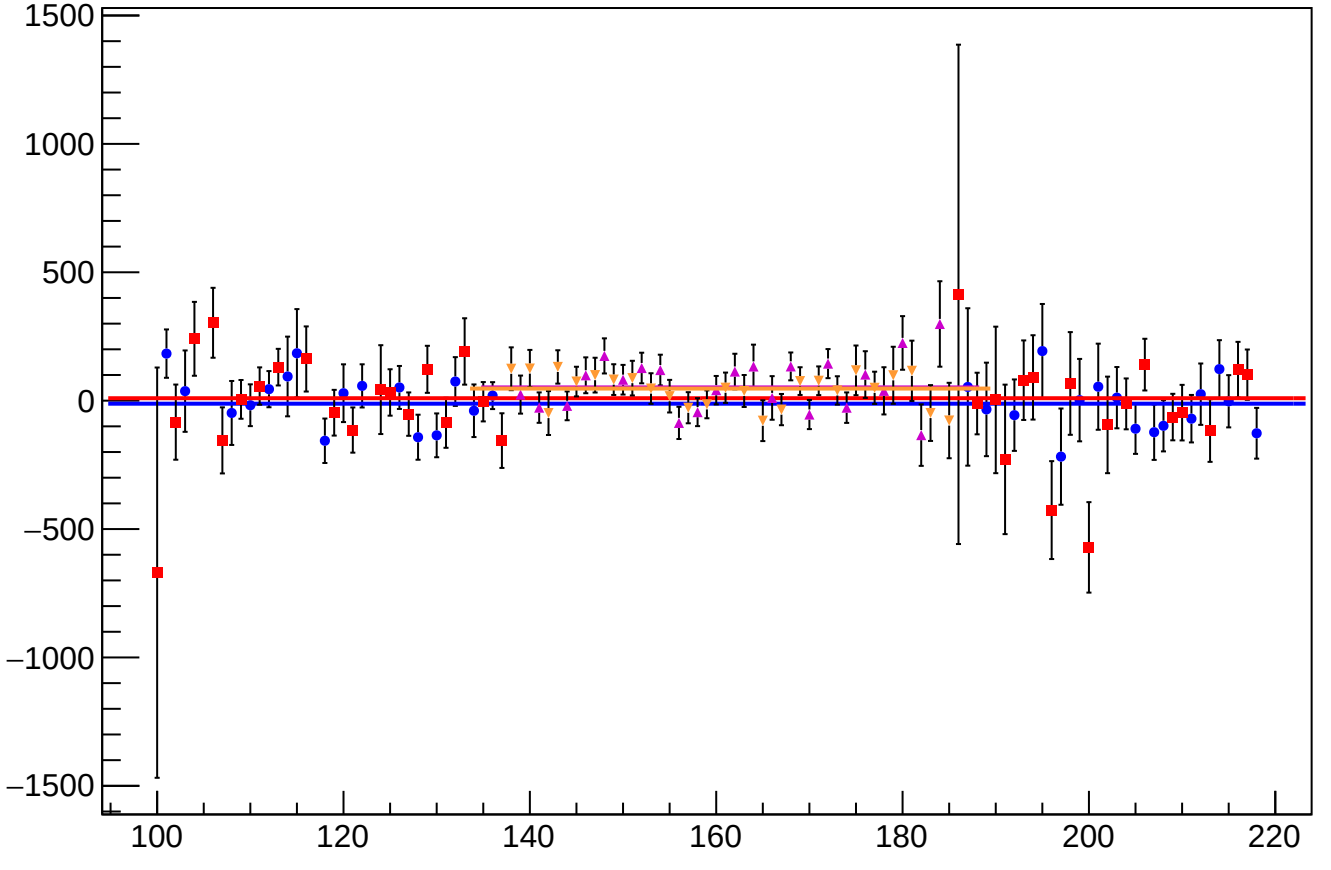
Right: 694.869+/-0.082 χ^2/NDF: 9431187.1/67

In: 423.633+/-0.053 χ^2/NDF:12024811.8/54

Out: 422.839+/-0.052 χ^2/NDF:13292711.5/60

All: 423.230+/-0.037 χ^2/NDF: 25317638.2/11

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: 9.514+/-18.633 χ^2/NDF: 48.2/35

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

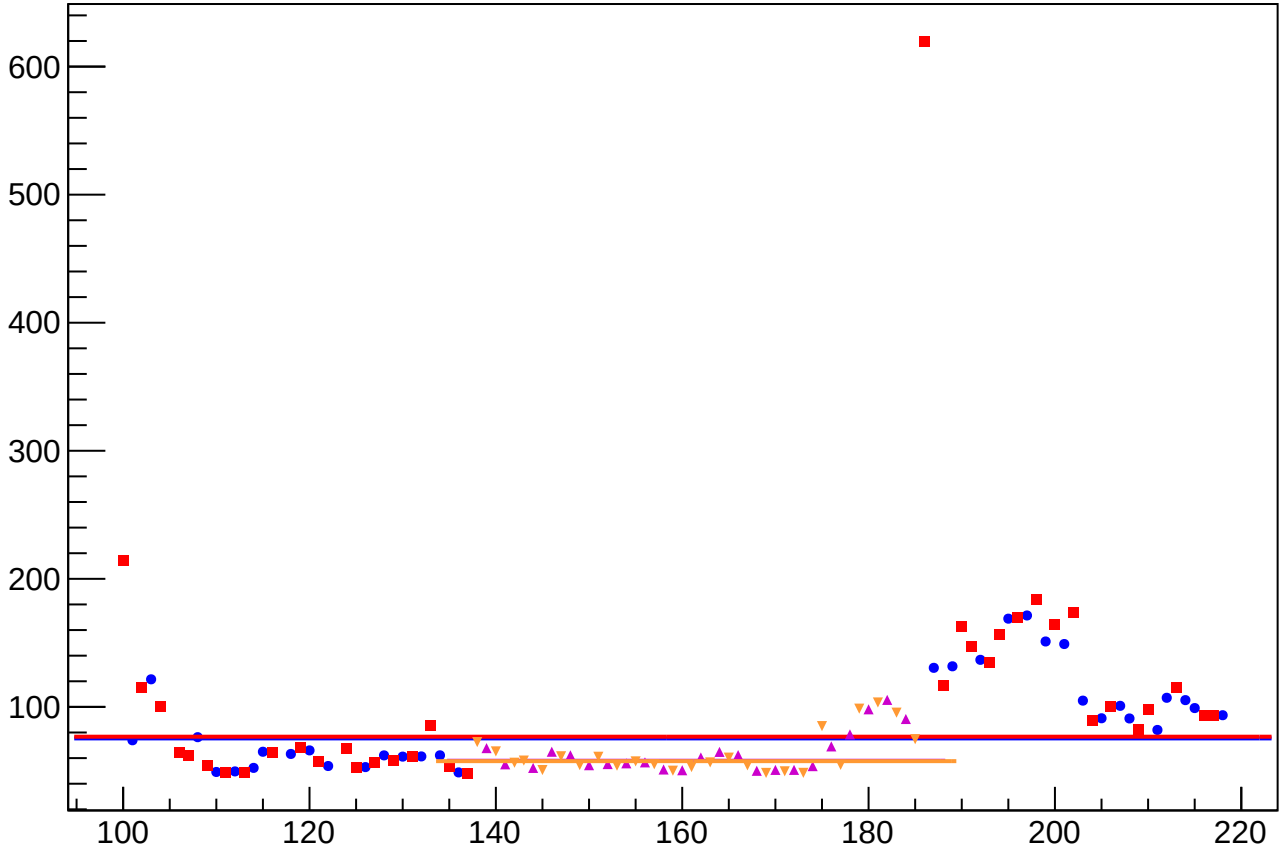
Right: -1.393+/-13.008 χ^2/NDF: 74.3/67

In: 28.165+/-11.056 χ^2/NDF:71.4/54

Out: 34.181+/-10.938 χ^2/NDF:67.8/60

All: 31.206+/-7.776 χ^2/NDF: 139.4/115

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: 76.720+/-0.013 χ^2/NDF: 6434903.4/35

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

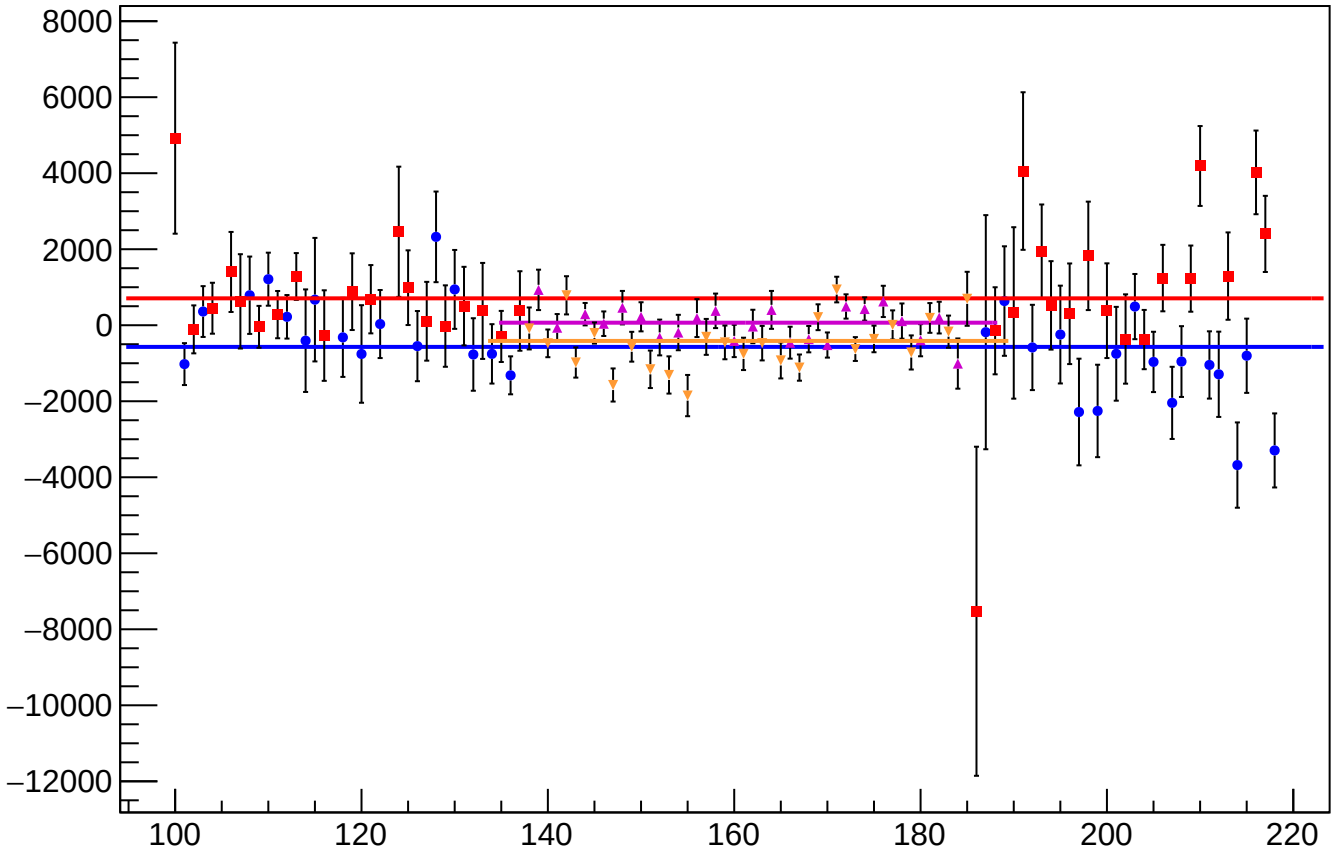
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 76.038+/-0.009 χ^2/NDF: 11479142.1/67

In: 64.402+/-0.008 χ^2/NDF:7325122.7/54

Out: 64.209+/-0.008 χ^2/NDF:9176089.1/60

All: 64.305+/-0.005 χ^2/NDF: 16501520.8/115



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: 707.533+/-160.984 χ^2/NDF: 48.6/35

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

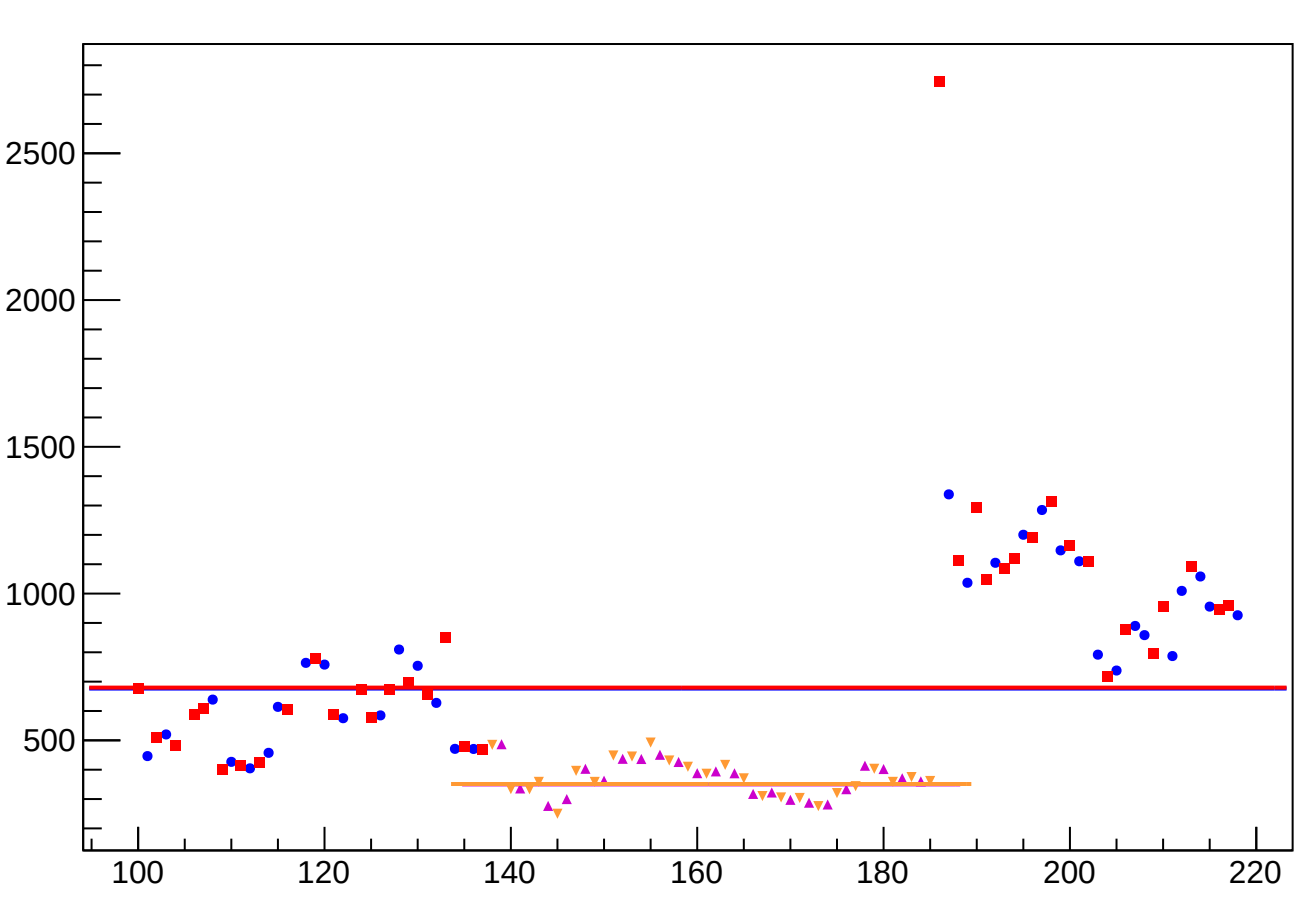
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 66.531+/-113.638 χ^2/NDF: 129.3/67

In: -68.010+/-73.776 χ^2/NDF:84.4/54

Out: -186.072+/-72.453 χ^2/NDF:148.6/60

All: -128.110+/-51.693 χ^2/NDF: 234.3/115



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: 679.658+/-0.114 χ^2/NDF: 5460365.2/35

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

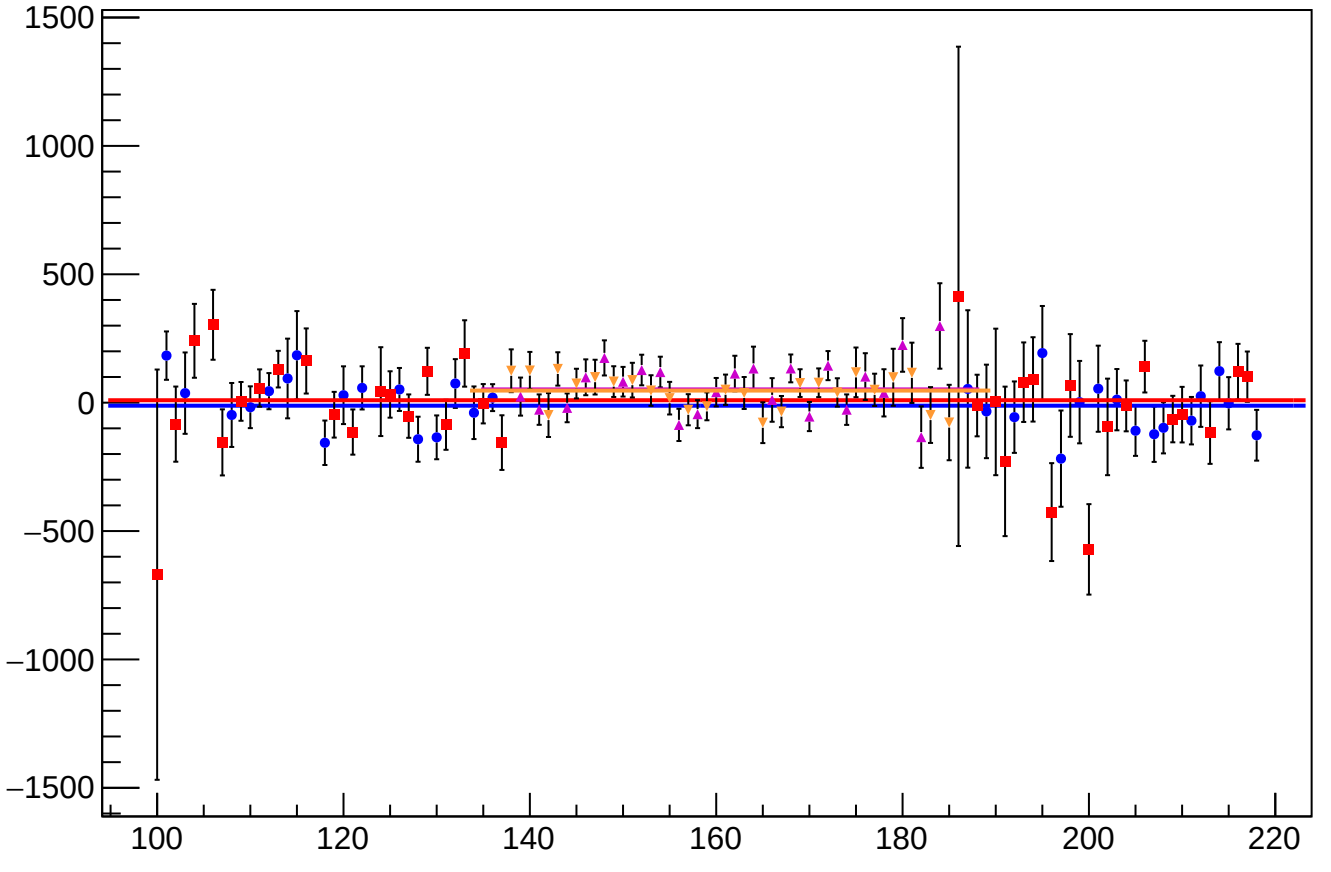
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 678.015+/-0.080 χ^2/NDF: 9991766.5/67

In: 418.872+/-0.052 χ^2/NDF:12055928.2/54

Out: 417.782+/-0.051 χ^2/NDF:13215367.1/60

All: 418.317+/-0.037 χ^2/NDF: 25271517.5/1



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: 9.513+/-18.633 χ^2/NDF: 48.2/35

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

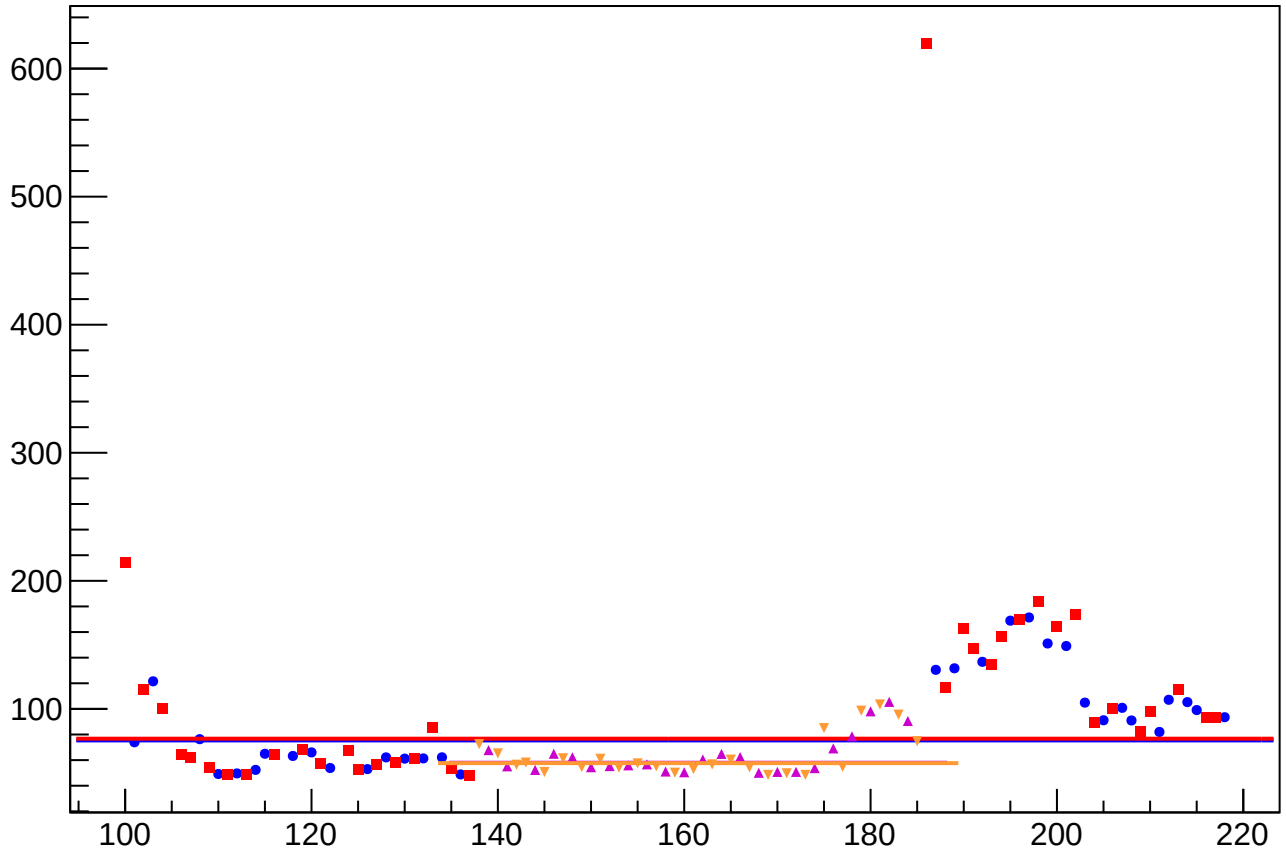
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: -1.394+/-13.008 χ^2/NDF: 74.3/67

In: 28.165+/-11.056 χ^2/NDF:71.4/54

Out: 34.181+/-10.938 χ^2/NDF:67.8/60

All: 31.205+/-7.776 χ^2/NDF: 139.4/115



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: 76.720+/-0.013 χ^2/NDF: 6434881.5/35

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

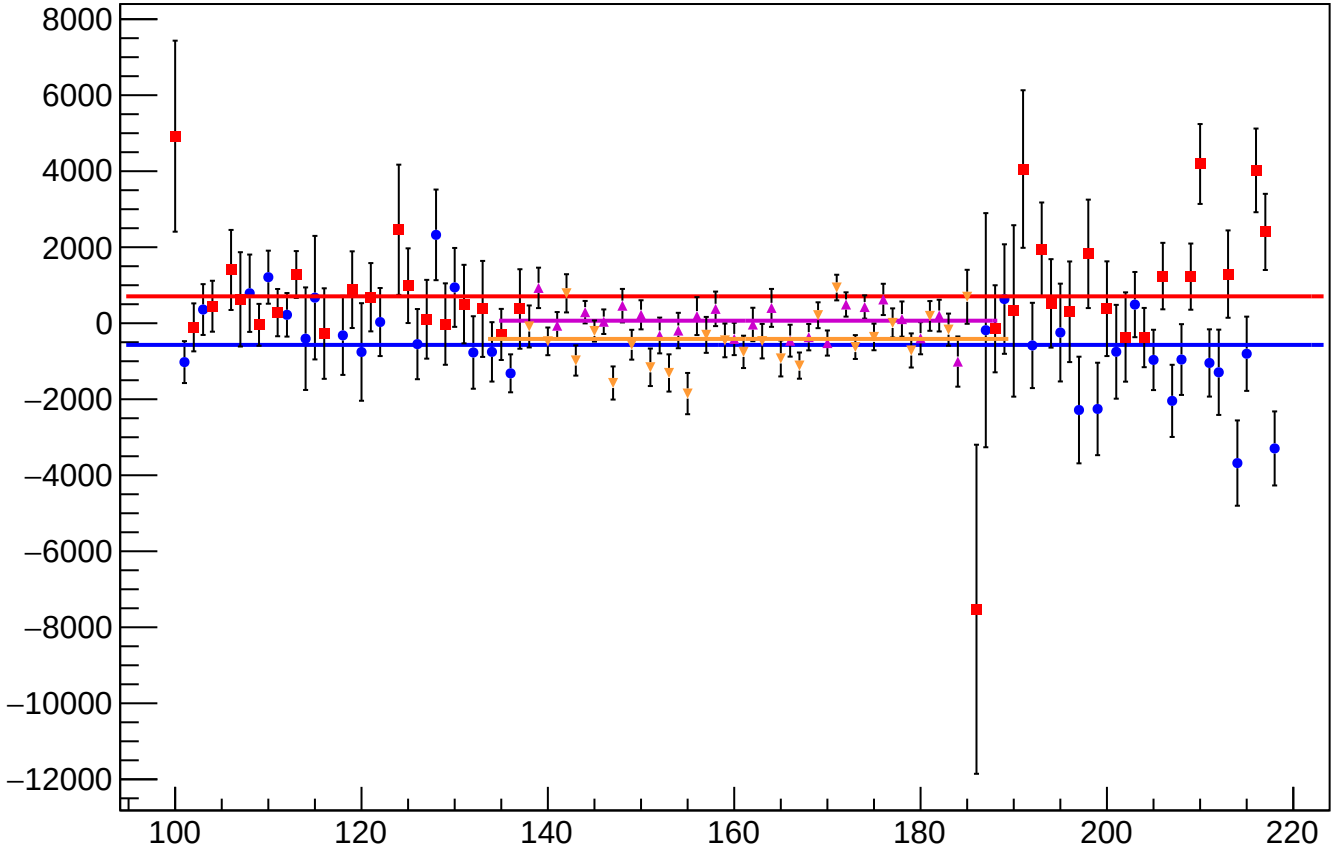
Right: 76.038+/-0.009 χ^2/NDF: 11479092.7/67

In: 64.403+/-0.008 χ^2/NDF:7325074.1/54

Out: 64.209+/-0.008 χ^2/NDF:9176060.3/60

All: 64.305+/-0.005 χ^2/NDF: 16501443.5/115

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 707.532+/-160.984 χ^2/NDF: 48.6/35

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

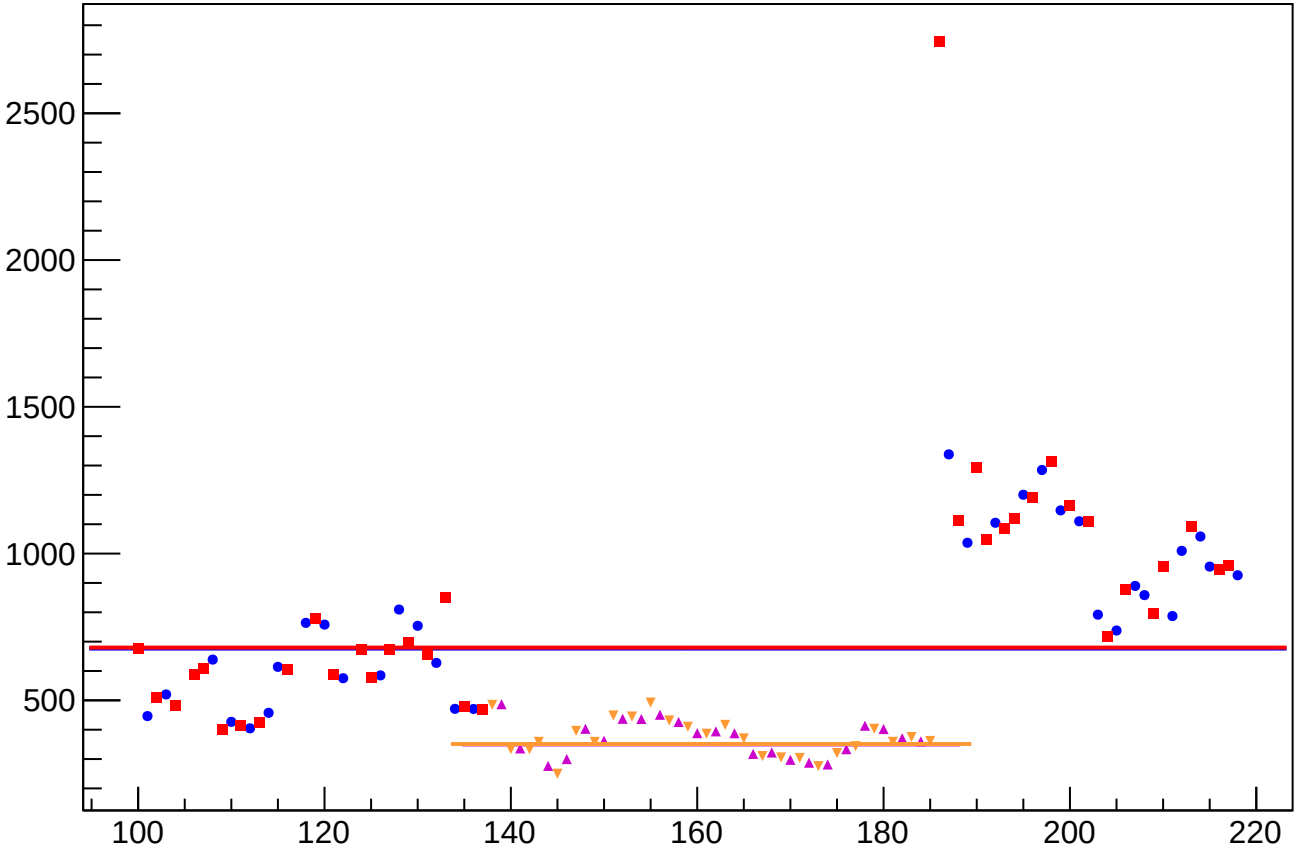
Right: 66.531+/-113.637 χ^2/NDF: 129.3/67

In: -68.011+/-73.776 χ^2/NDF:84.4/54

Out: -186.072+/-72.453 χ^2/NDF:148.6/60

All: -128.110+/-51.693 χ^2/NDF: 234.3/115

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: 679.657+/-0.114 χ^2/NDF: 5460373.6/35

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

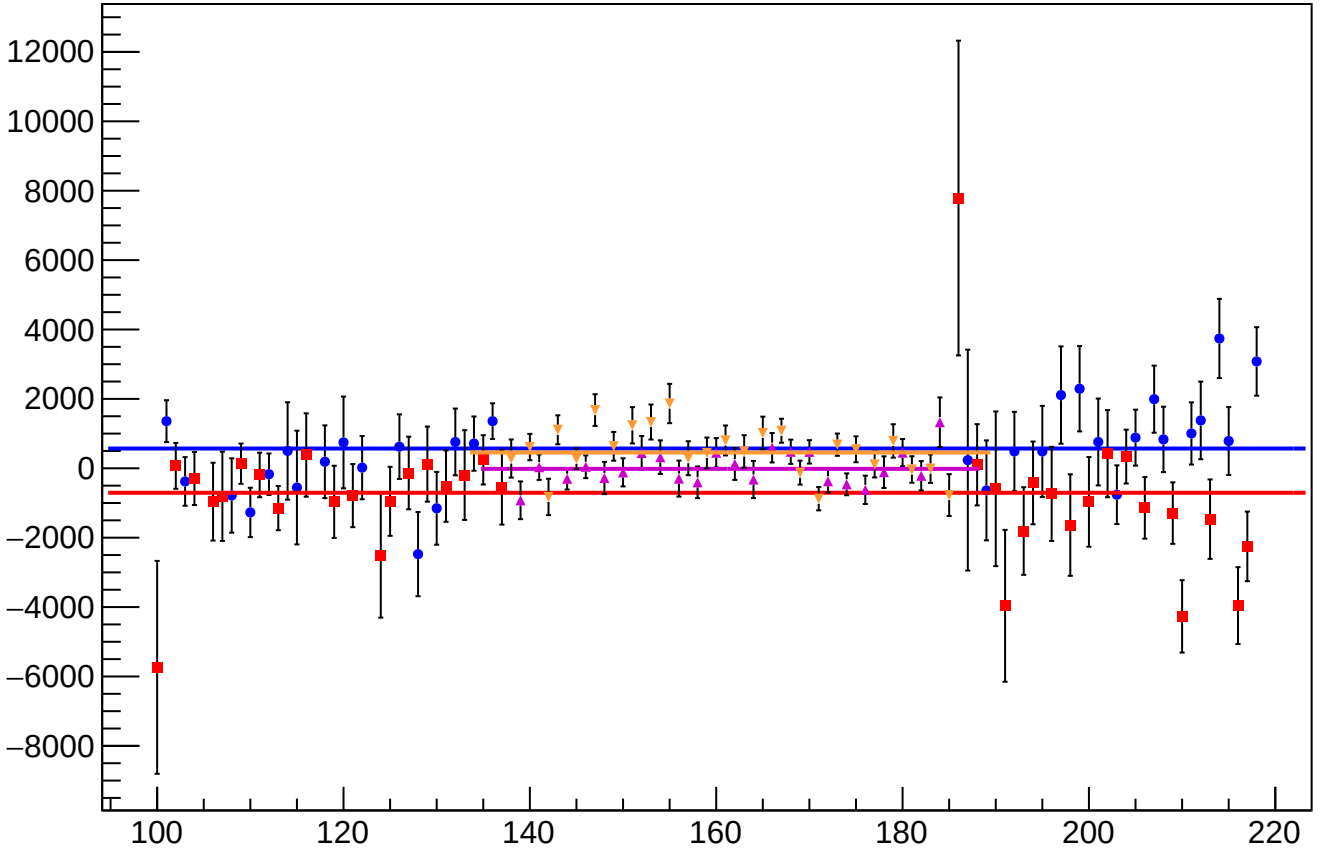
Right: 678.014+/-0.080 χ^2/NDF: 9991787.9/67

In: 418.872+/-0.052 χ^2/NDF:12055913.2/54

Out: 417.782+/-0.051 χ^2/NDF:13215355.1/60

All: 418.317+/-0.037 χ^2/NDF: 25271490.6/11

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: -705.345+/-166.390 χ^2/NDF: 46.3/35

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

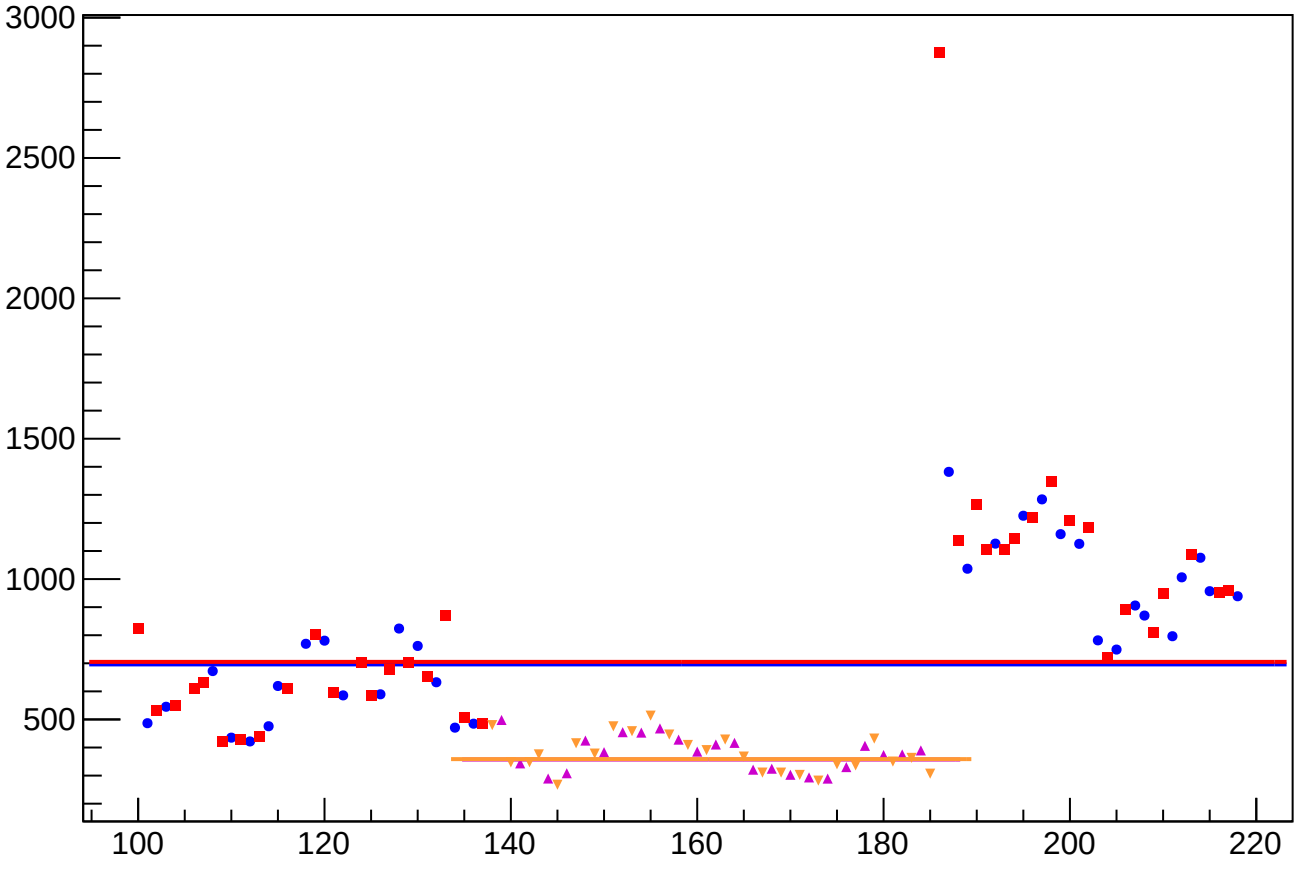
Right: -60.295+/-116.968 χ^2/NDF: 125.6/67

In: 107.066+/-75.392 χ^2/NDF:84.4/54

Out: 224.164+/-74.244 χ^2/NDF:146.1/60

All: 166.513+/-52.900 χ^2/NDF: 231.8/115

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: 705.083+/-0.118 χ^2/NDF: 5150520.4/35

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

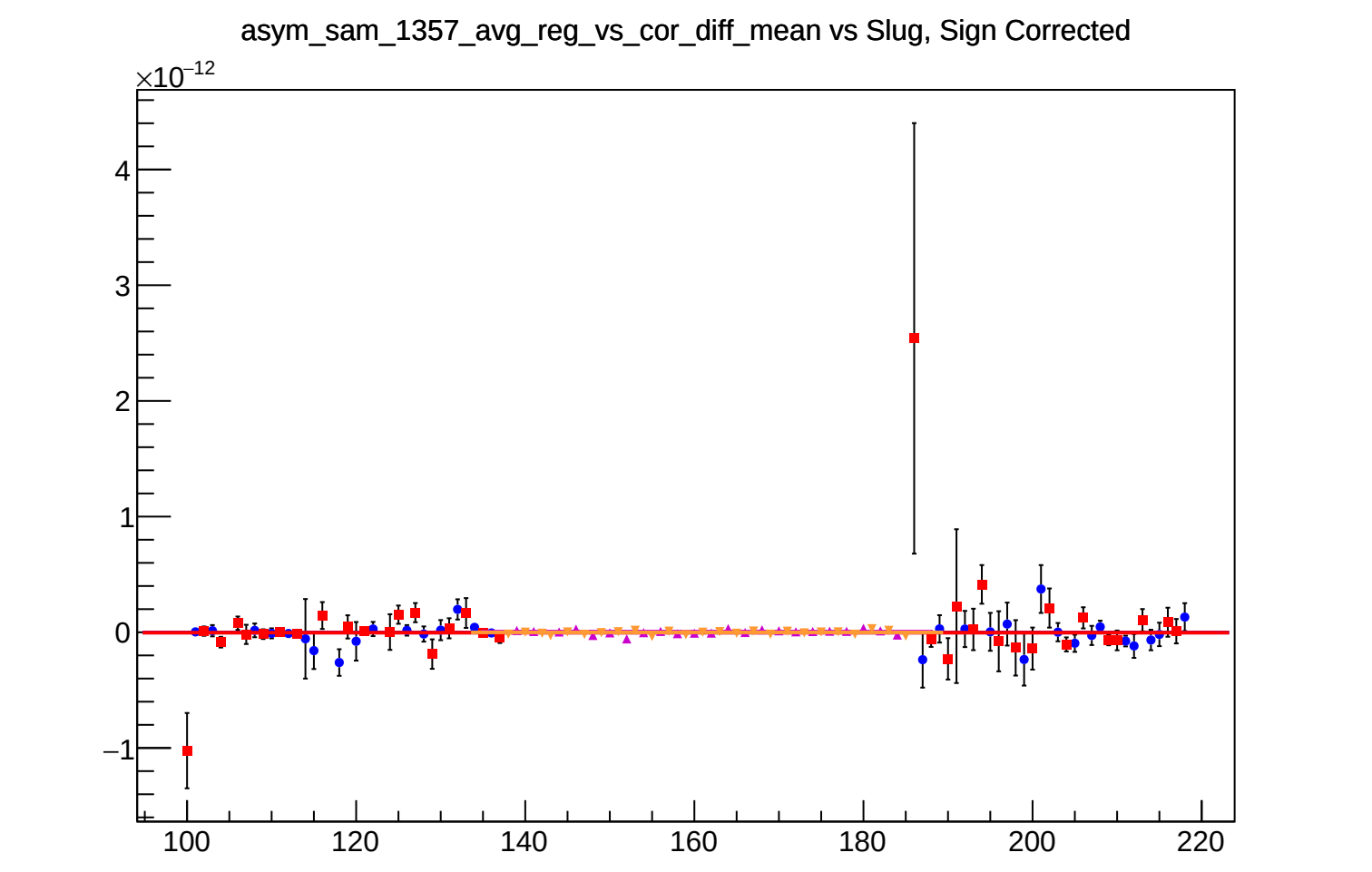
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

Right: 700.508+/-0.083 χ^2/NDF: 9386094.1/67

In: 428.391+/-0.053 χ^2/NDF:11920395.6/54

Out: 427.646+/-0.052 χ^2/NDF:13212719.6/60

All: 428.013+/-0.037 χ^2/NDF: 25133214.4/11



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/31

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 52.7/35

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

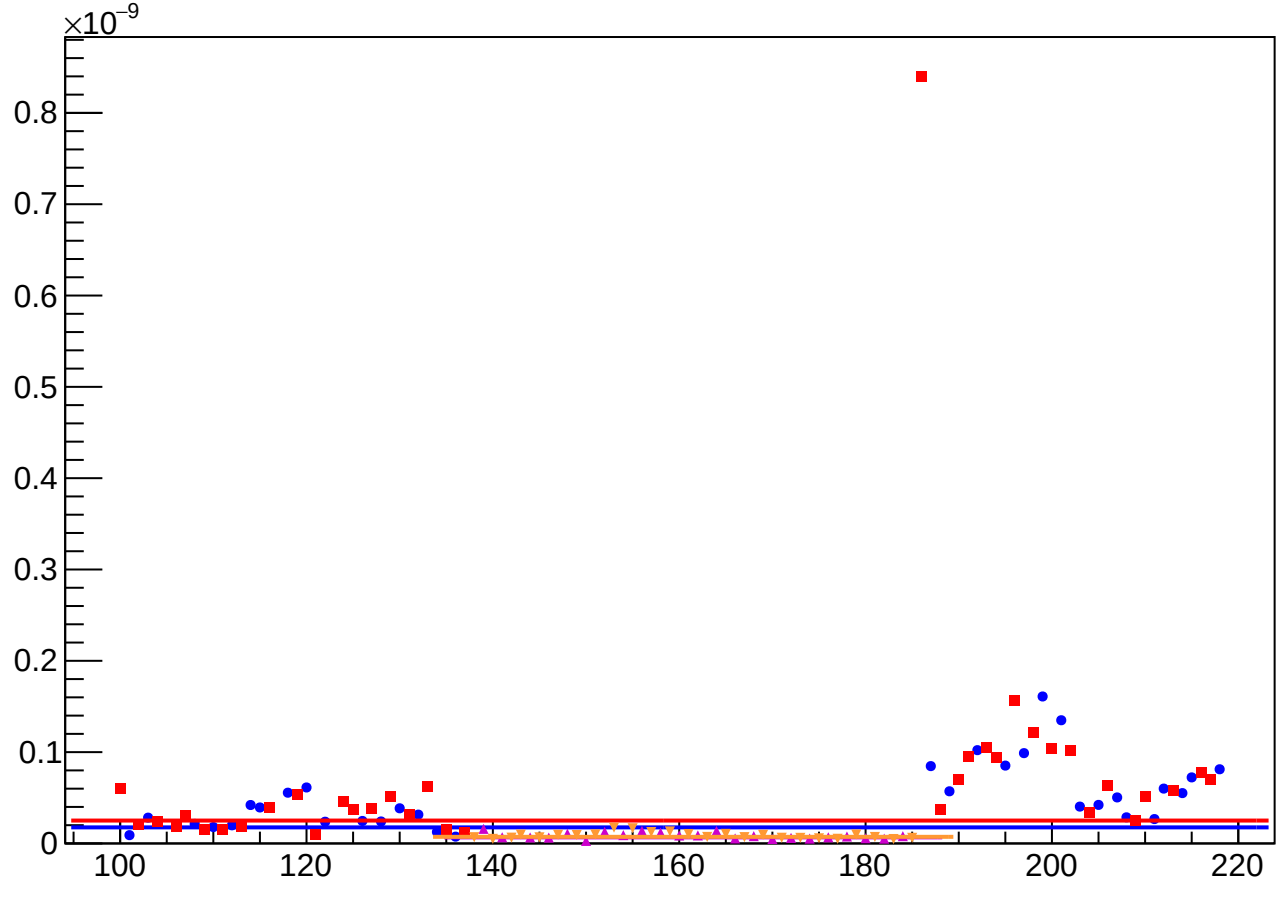
Right: -0.000+/-0.000 χ^2/NDF: 80.2/67

In: 0.000+/-0.000 χ^2/NDF:56.7/54

Out: -0.000+/-0.000 χ^2/NDF:70.9/60

All: 0.000+/-0.000 χ^2/NDF: 129.9/115

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 6333863.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

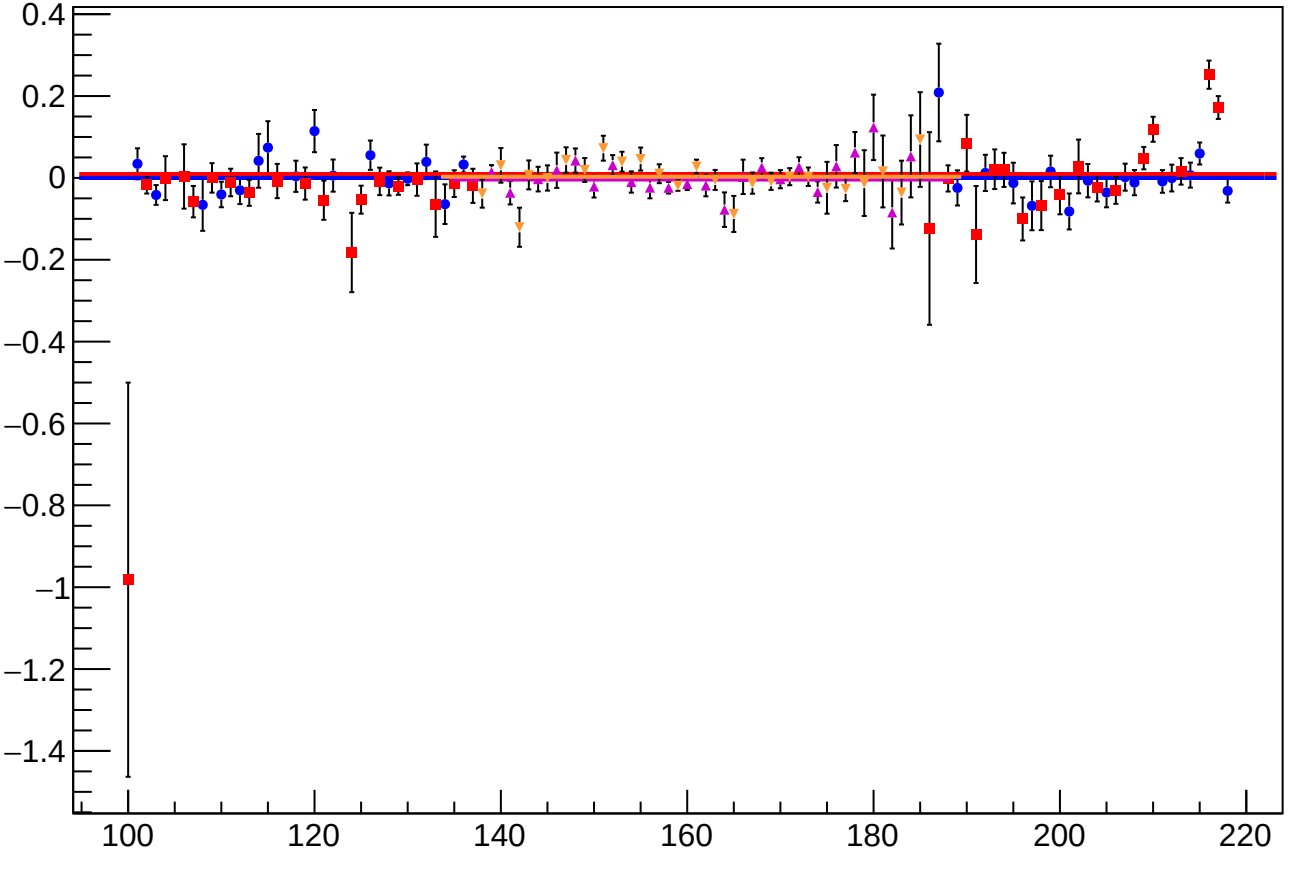
Right: 0.000+/-0.000 χ^2/NDF: 15065401.7/67

In: 0.000+/-0.000 χ^2/NDF:12919178.3/54

Out: 0.000+/-0.000 χ^2/NDF:12832617.8/60

All: 0.000+/-0.000 χ^2/NDF: 25808036.1/115

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: 0.009+/-0.006 χ^2/NDF: 136.6/35

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

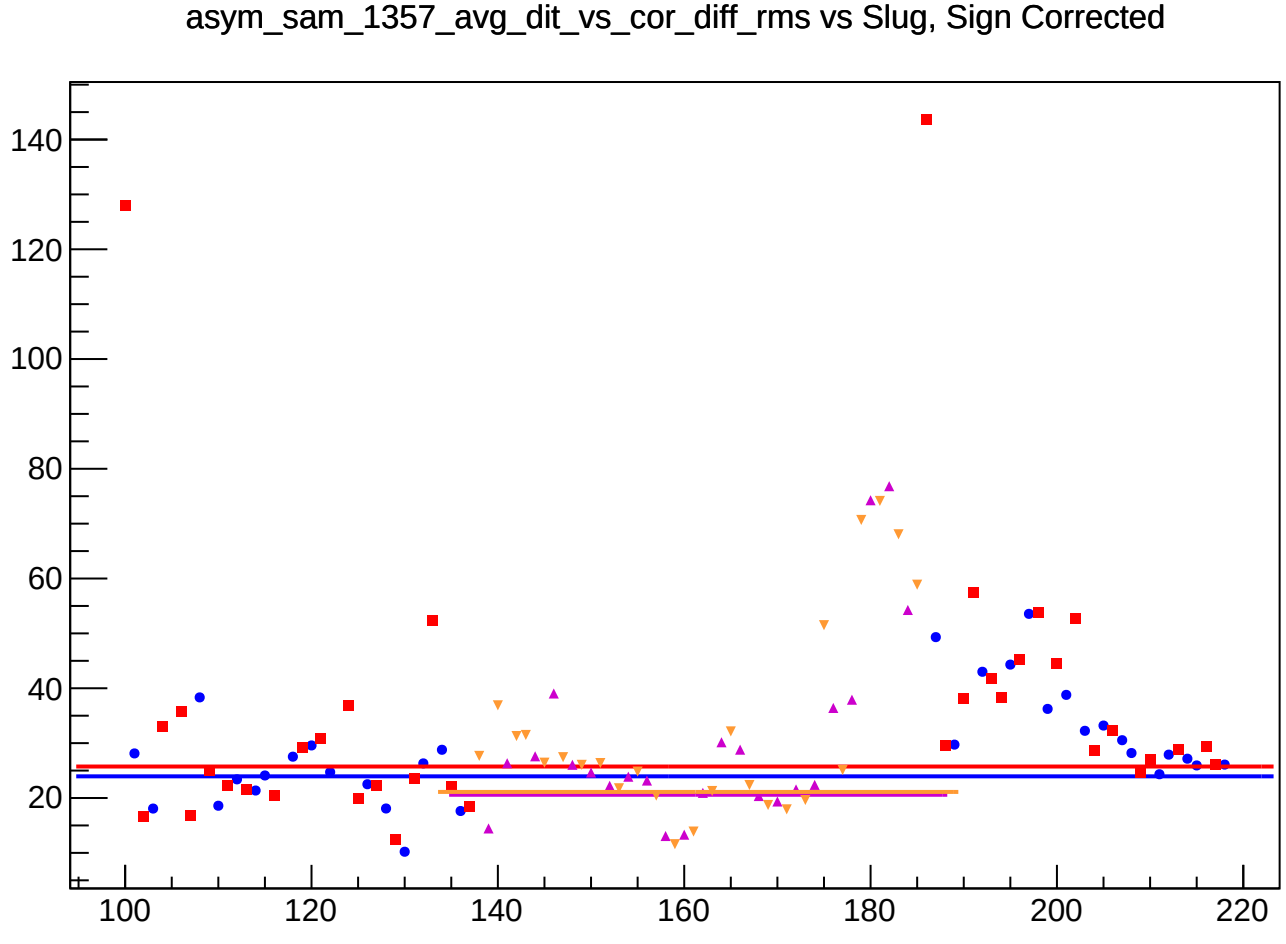
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: 0.004+/-0.004 χ^2/NDF: 175.8/67

In: -0.002+/-0.004 χ^2/NDF:62.8/54

Out: 0.006+/-0.004 χ^2/NDF:170.0/60

All: 0.002+/-0.003 χ^2/NDF: 234.7/115



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: 25.739+/-0.004 χ^2/NDF: 4592323.2/35

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

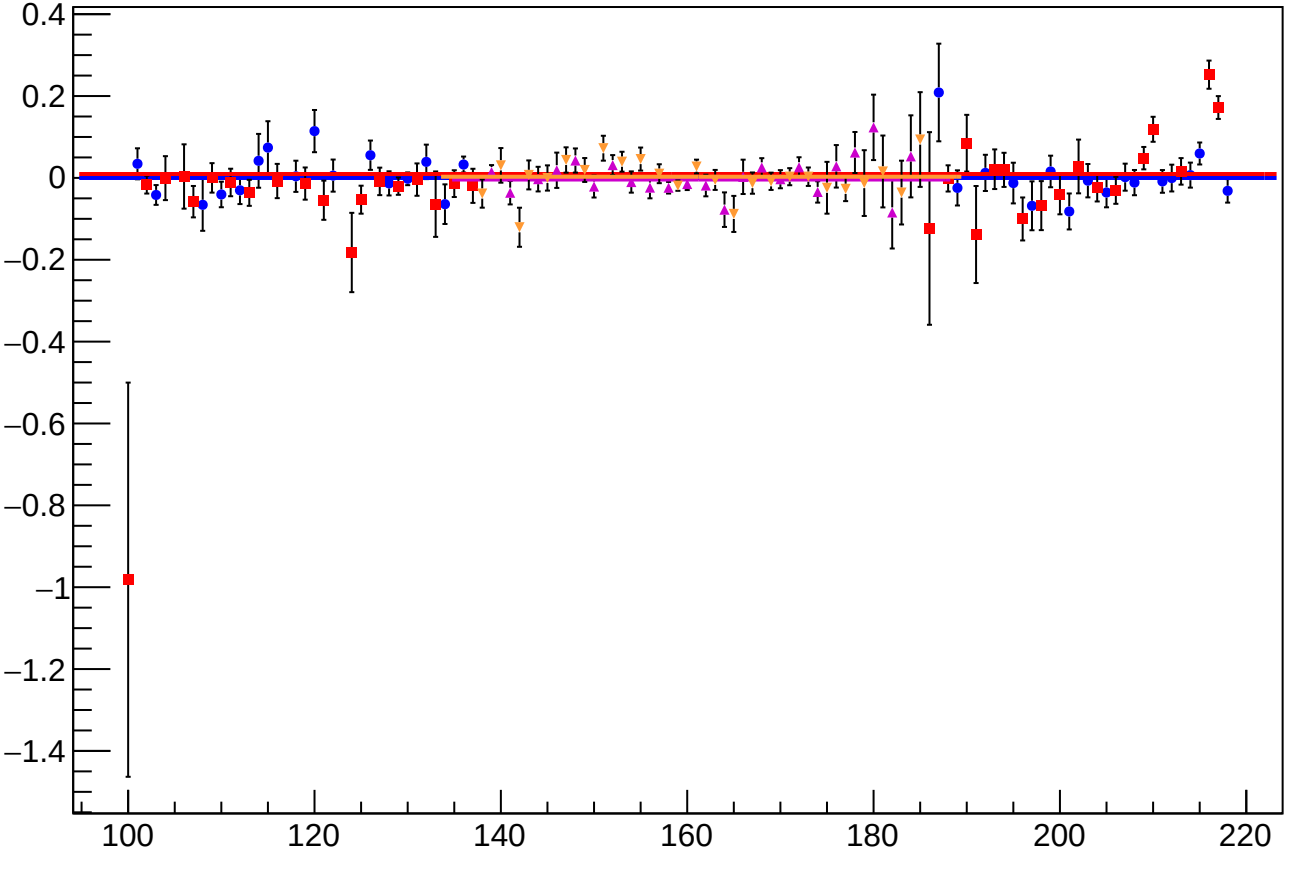
Right: 24.781+/-0.003 χ^2/NDF: 9063092.0/67

In: 22.131+/-0.003 χ^2/NDF:9335080.2/54

Out: 23.076+/-0.003 χ^2/NDF:10751624.9/60

All: 22.588+/-0.002 χ^2/NDF: 20140723.3/115

asym_sam_1357_avg_dit_vs_eigen_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: 0.009+/-0.006 χ^2/NDF: 136.6/35

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

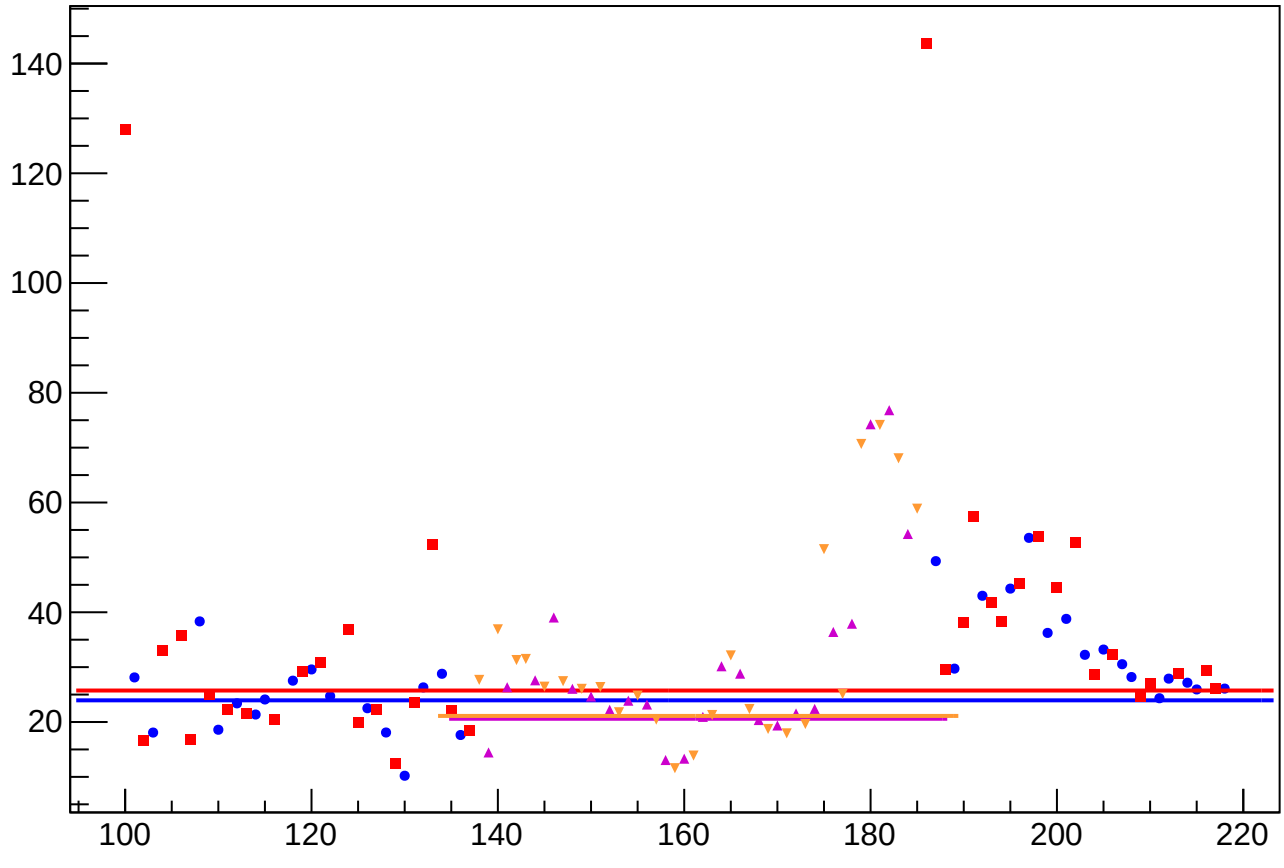
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: 0.004+/-0.004 χ^2/NDF: 175.8/67

In: -0.002+/-0.004 χ^2/NDF:62.8/54

Out: 0.006+/-0.004 χ^2/NDF:170.0/60

All: 0.002+/-0.003 χ^2/NDF: 234.7/115



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: 25.739+/-0.004 χ^2/NDF: 4592323.2/35

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

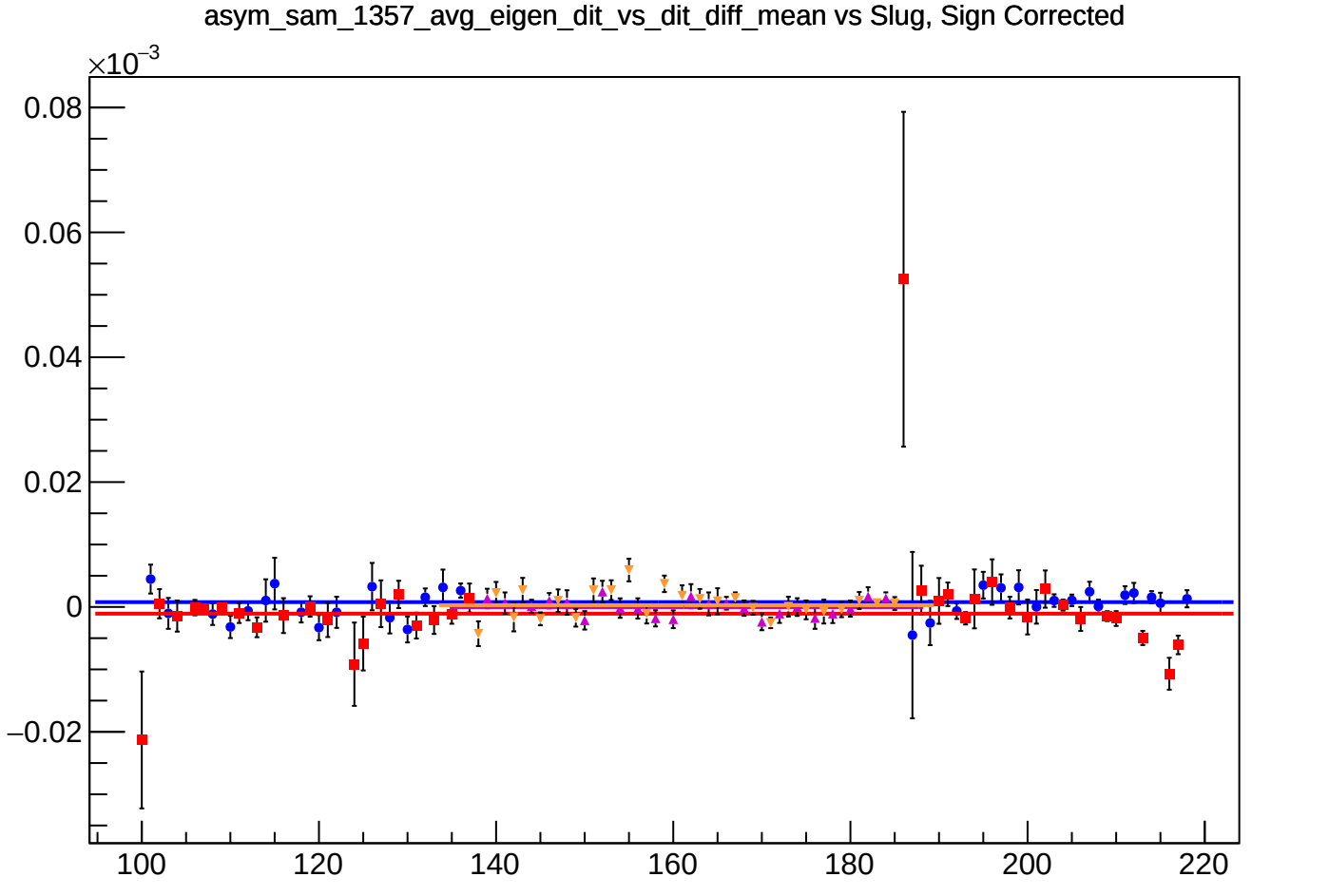
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

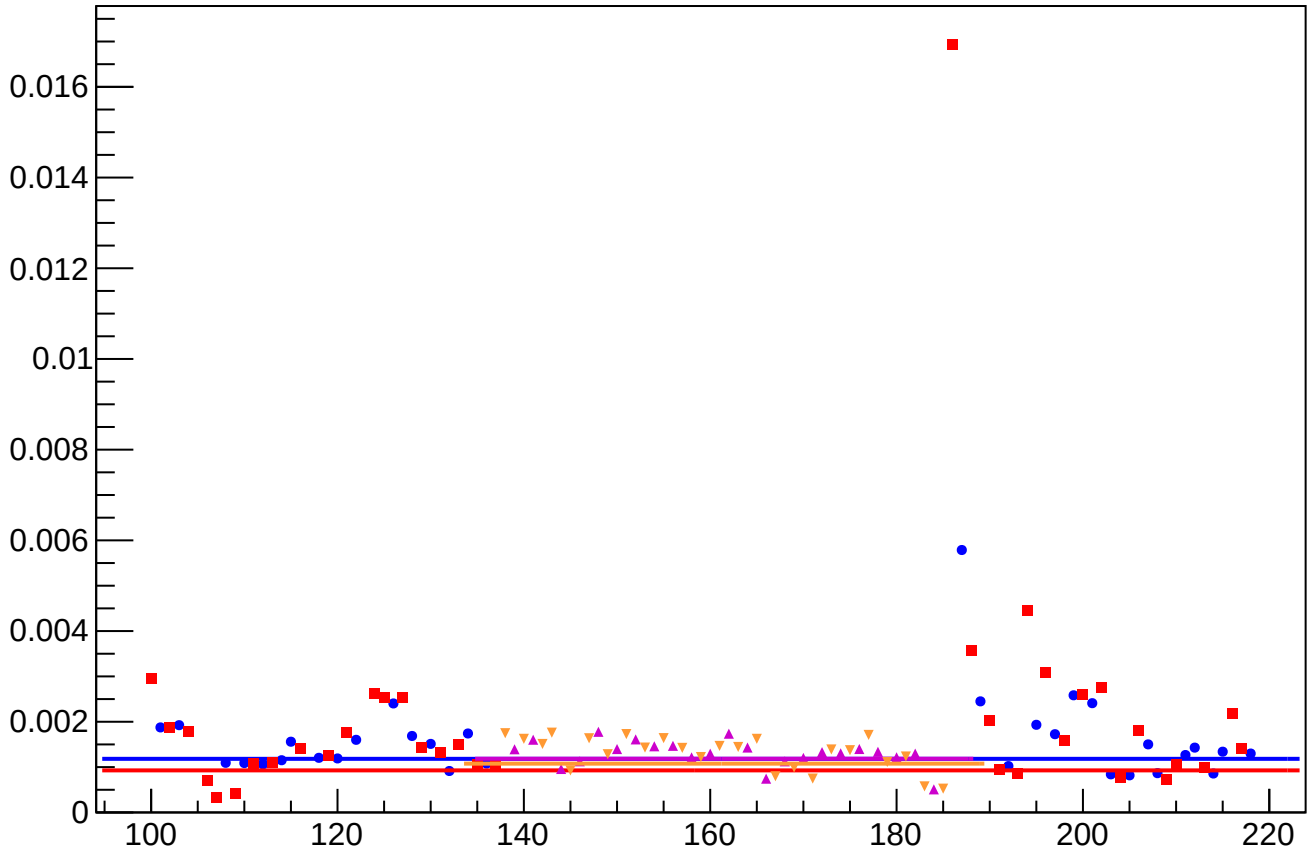
Right: 24.781+/-0.003 χ^2/NDF: 9063092.0/67

In: 22.131+/-0.003 χ^2/NDF:9335080.2/54

Out: 23.076+/-0.003 χ^2/NDF:10751624.9/60

All: 22.588+/-0.002 χ^2/NDF: 20140723.3/115


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 35.3/31
Left Out: 0.000+/-0.000 χ²/NDF:52.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 71.4/35
Left In: -0.000+/-0.000 χ²/NDF:19.8/22
Left: 0.000+/-0.000 χ²/NDF: 73.0/47
Right: -0.000+/-0.000 χ²/NDF: 130.1/67
In: 0.000+/-0.000 χ²/NDF:58.9/54
Out: -0.000+/-0.000 χ²/NDF:138.1/60
All: -0.000+/-0.000 χ²/NDF: 205.7/115



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: 11907996.2/35

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

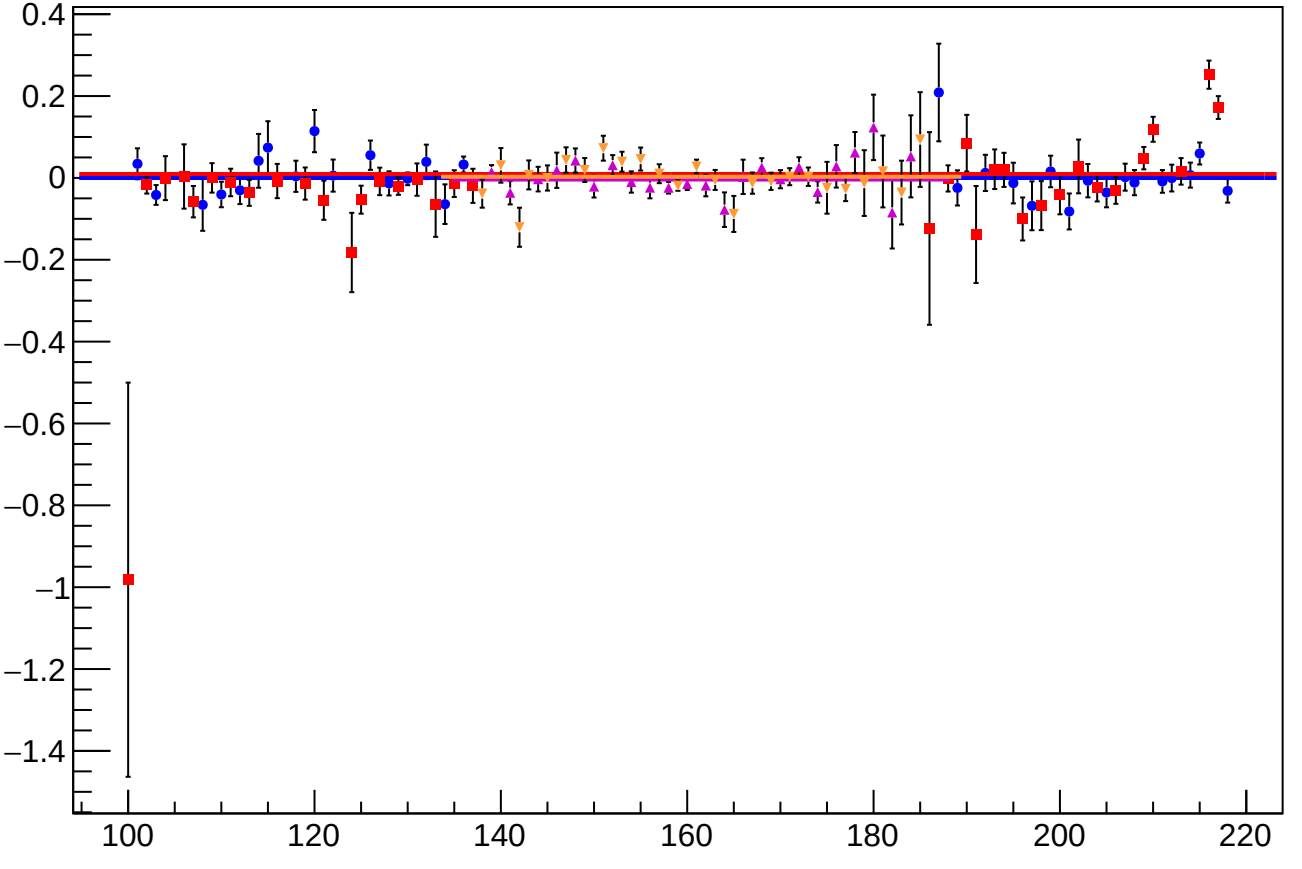
Right: 0.001+/-0.000 χ^2/NDF: 16689399.1/67

In: 0.001+/-0.000 χ^2/NDF:6352735.8/54

Out: 0.001+/-0.000 χ^2/NDF:16790888.7/60

All: 0.001+/-0.000 χ^2/NDF: 24063916.8/115

asym_sam_1357_avg_eigen_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: 0.009+/-0.006 χ^2/NDF: 136.6/35

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

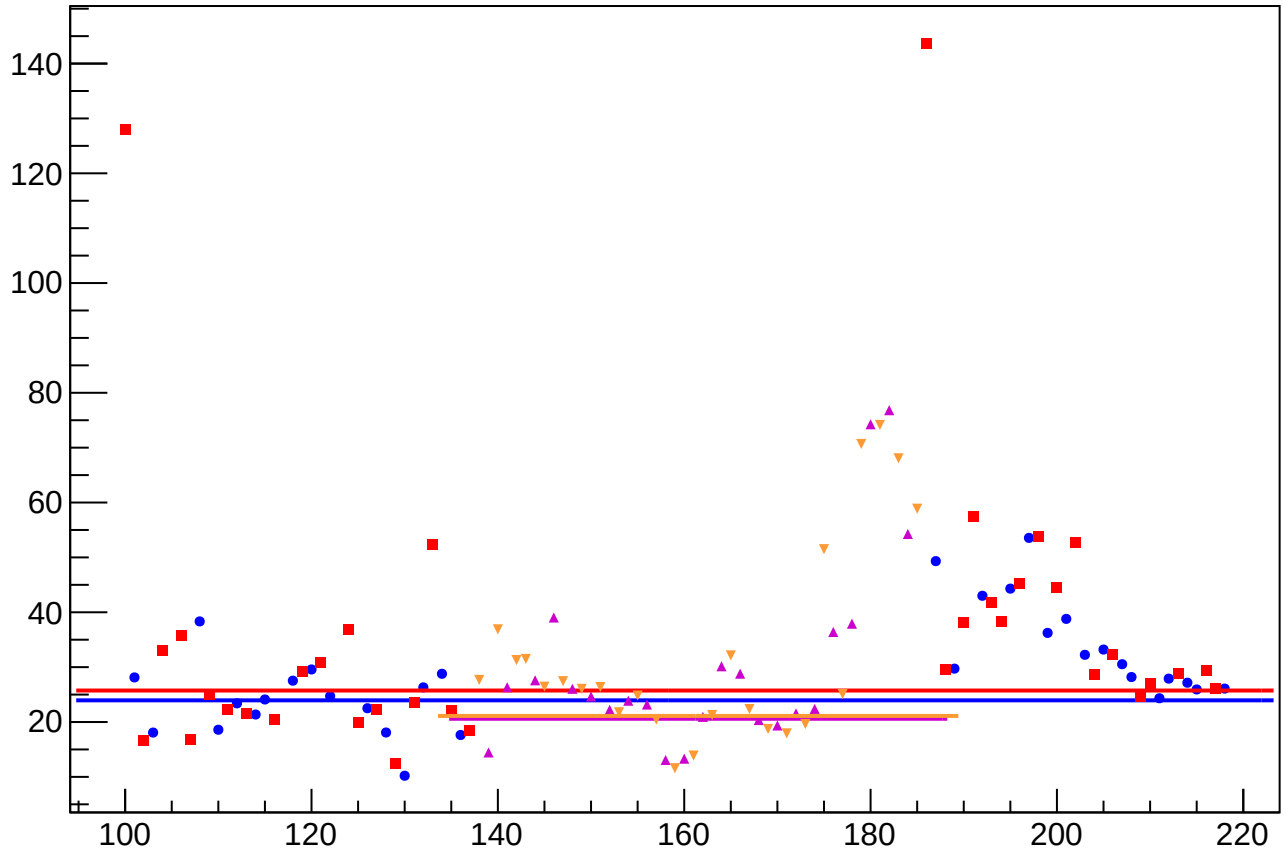
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: 0.004+/-0.004 χ^2/NDF: 175.8/67

In: -0.002+/-0.004 χ^2/NDF:62.8/54

Out: 0.006+/-0.004 χ^2/NDF:170.0/60

All: 0.002+/-0.003 χ^2/NDF: 234.7/115



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: 25.739+/-0.004 χ^2/NDF: 4592282.6/35

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

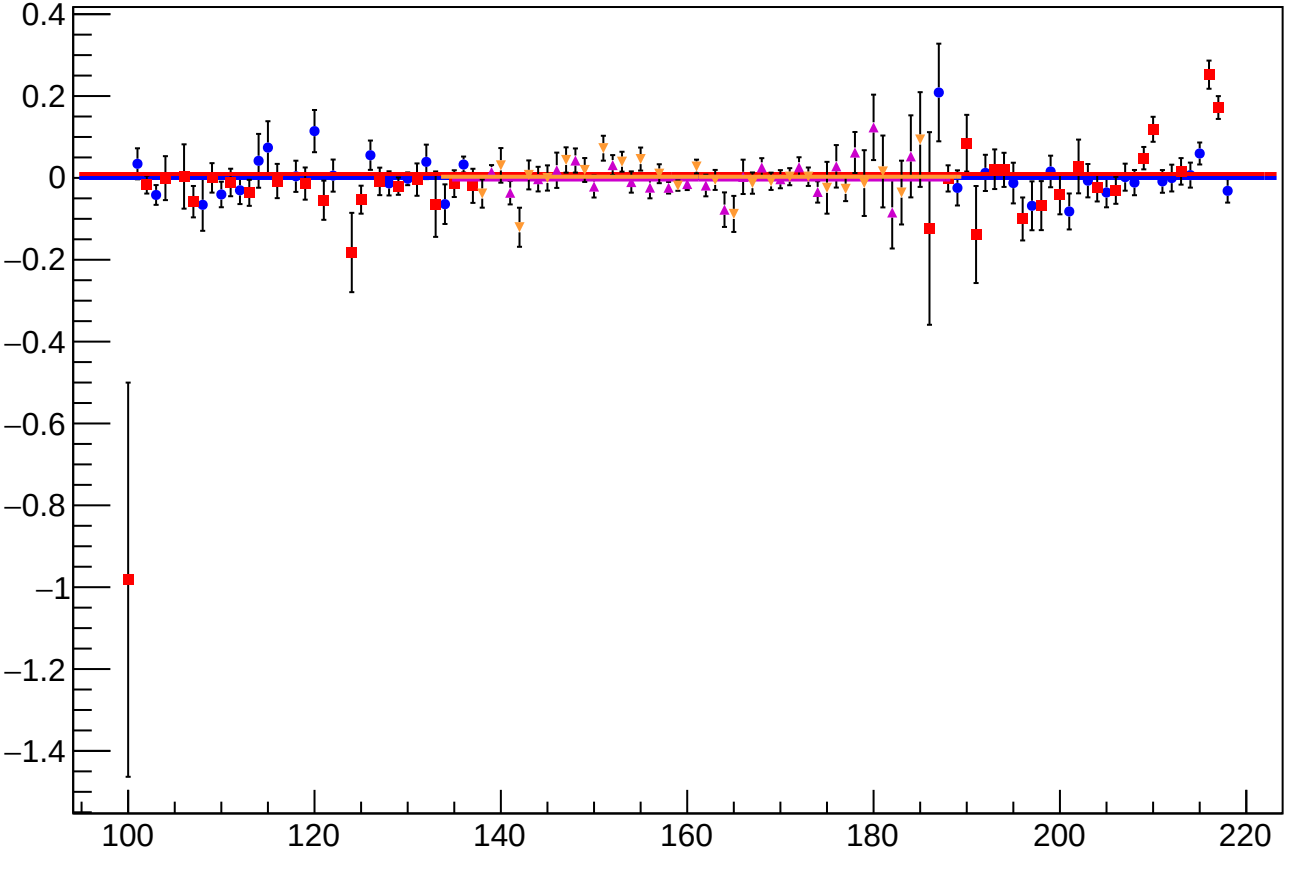
Right: 24.781+/-0.003 χ^2/NDF: 9062733.2/67

In: 22.131+/-0.003 χ^2/NDF:9334809.1/54

Out: 23.076+/-0.003 χ^2/NDF:10751723.6/60

All: 22.588+/-0.002 χ^2/NDF: 20140526.0/115

asym_sam_1357_avg_eigen_dit_vs_eigen_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: 0.009+/-0.006 χ^2/NDF: 136.6/35

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

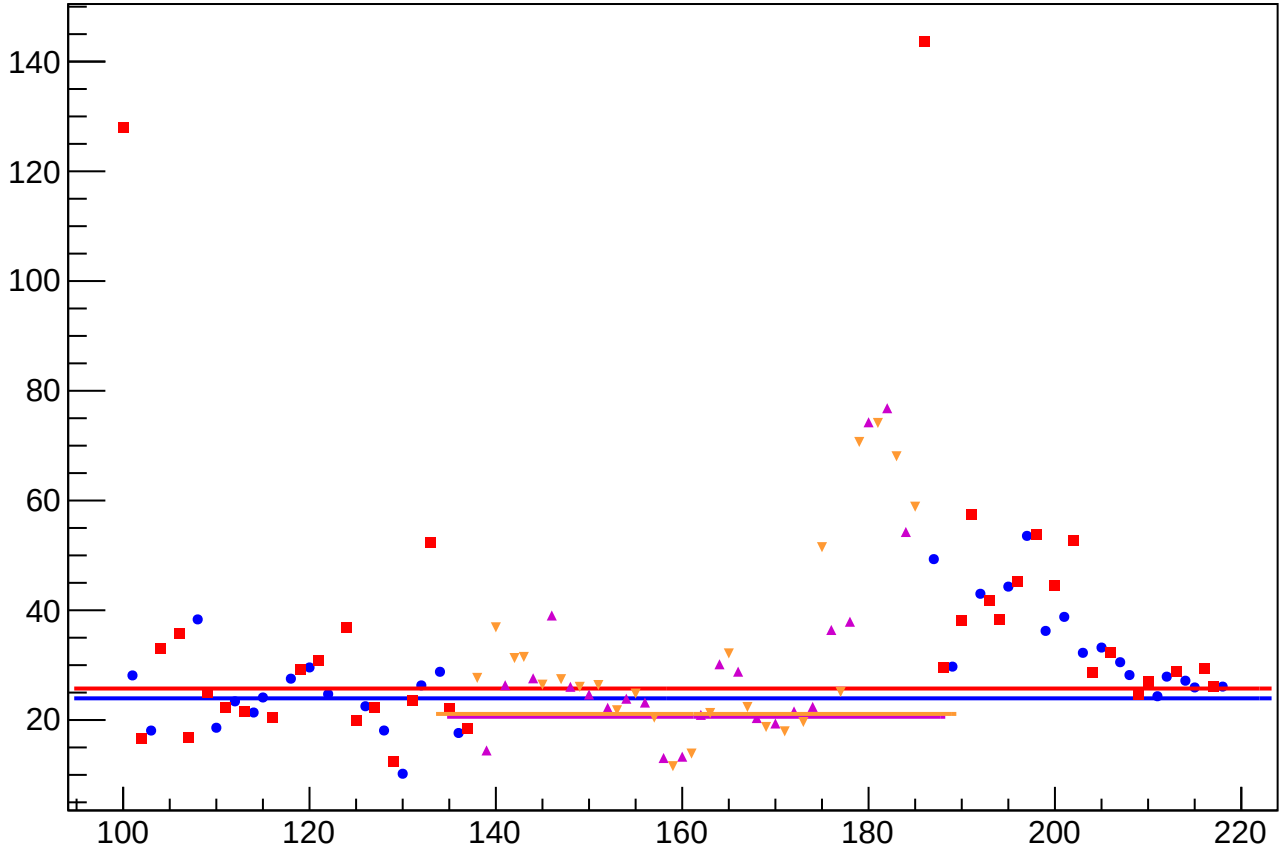
Right: 0.004+/-0.004 χ^2/NDF: 175.8/67

In: -0.002+/-0.004 χ^2/NDF:62.8/54

Out: 0.006+/-0.004 χ^2/NDF:170.0/60

All: 0.002+/-0.003 χ^2/NDF: 234.7/115

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 25.739+/-0.004 χ^2/NDF: 4592282.6/35

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

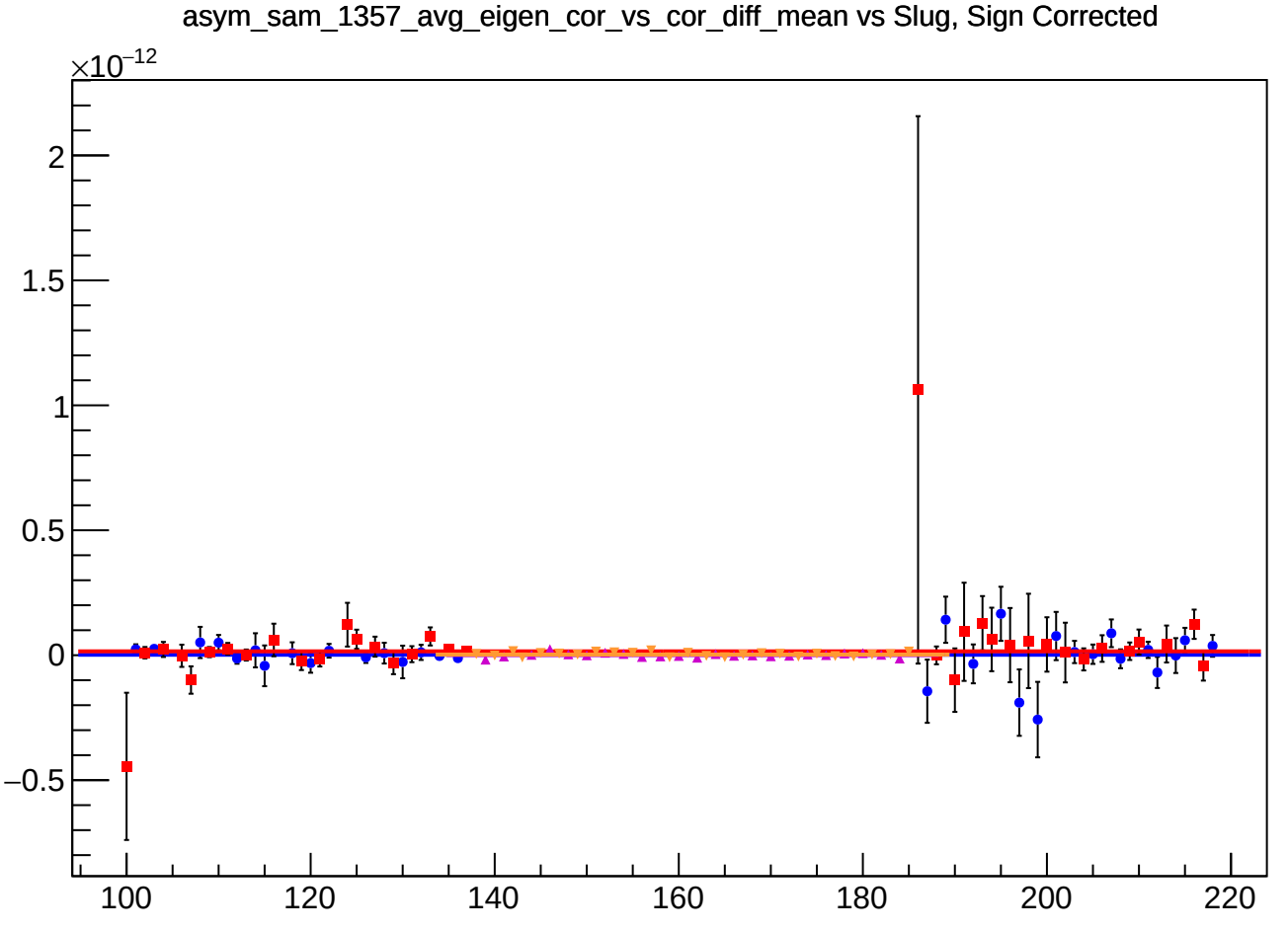
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 24.781+/-0.003 χ^2/NDF: 9062733.2/67

In: 22.131+/-0.003 χ^2/NDF:9334809.1/54

Out: 23.076+/-0.003 χ^2/NDF:10751723.6/60

All: 22.588+/-0.002 χ^2/NDF: 20140526.0/115



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: 26.7/35

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

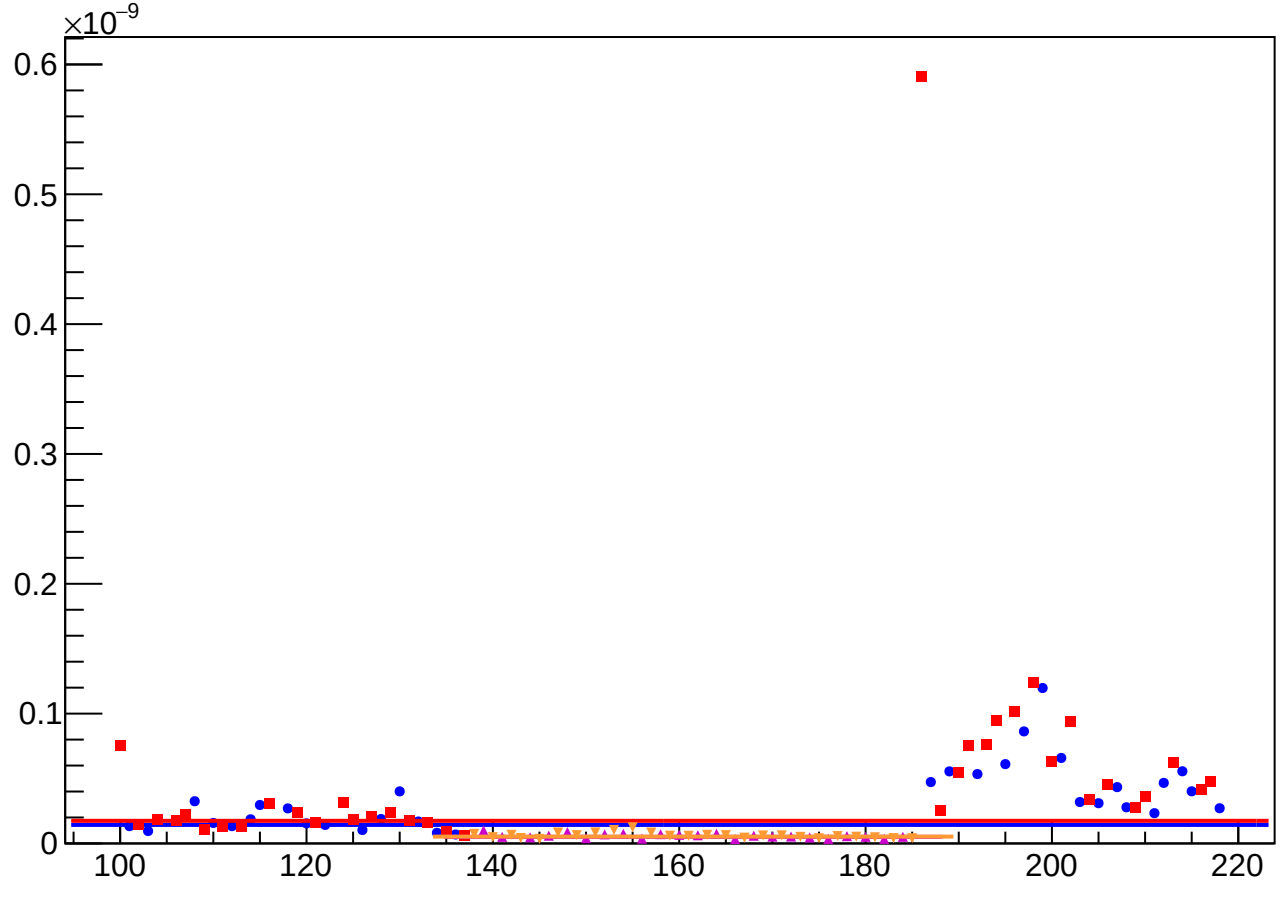
Right: 0.000+/-0.000 χ^2/NDF: 58.4/67

In: 0.000+/-0.000 χ^2/NDF:50.2/54

Out: 0.000+/-0.000 χ^2/NDF:51.7/60

All: 0.000+/-0.000 χ^2/NDF: 103.3/115

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9798037.8/31

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9758006.3/35

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

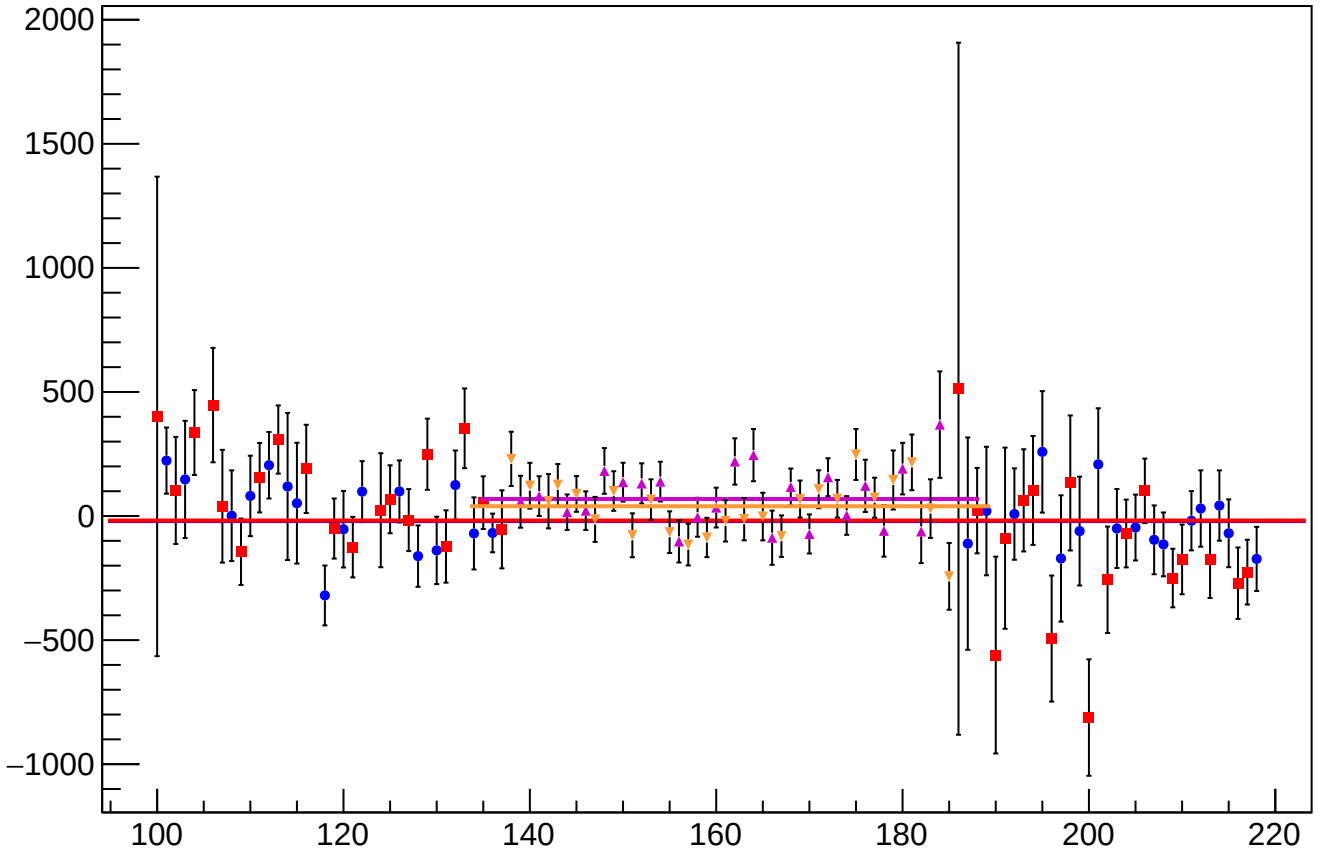
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 19869837.6/67

In: 0.000+/-0.000 χ^2/NDF:17258366.8/54

Out: 0.000+/-0.000 χ^2/NDF:19456493.3/60

All: 0.000+/-0.000 χ^2/NDF: 36729716.4/115



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: -18.108+/-27.044 χ^2/NDF: 61.3/35

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

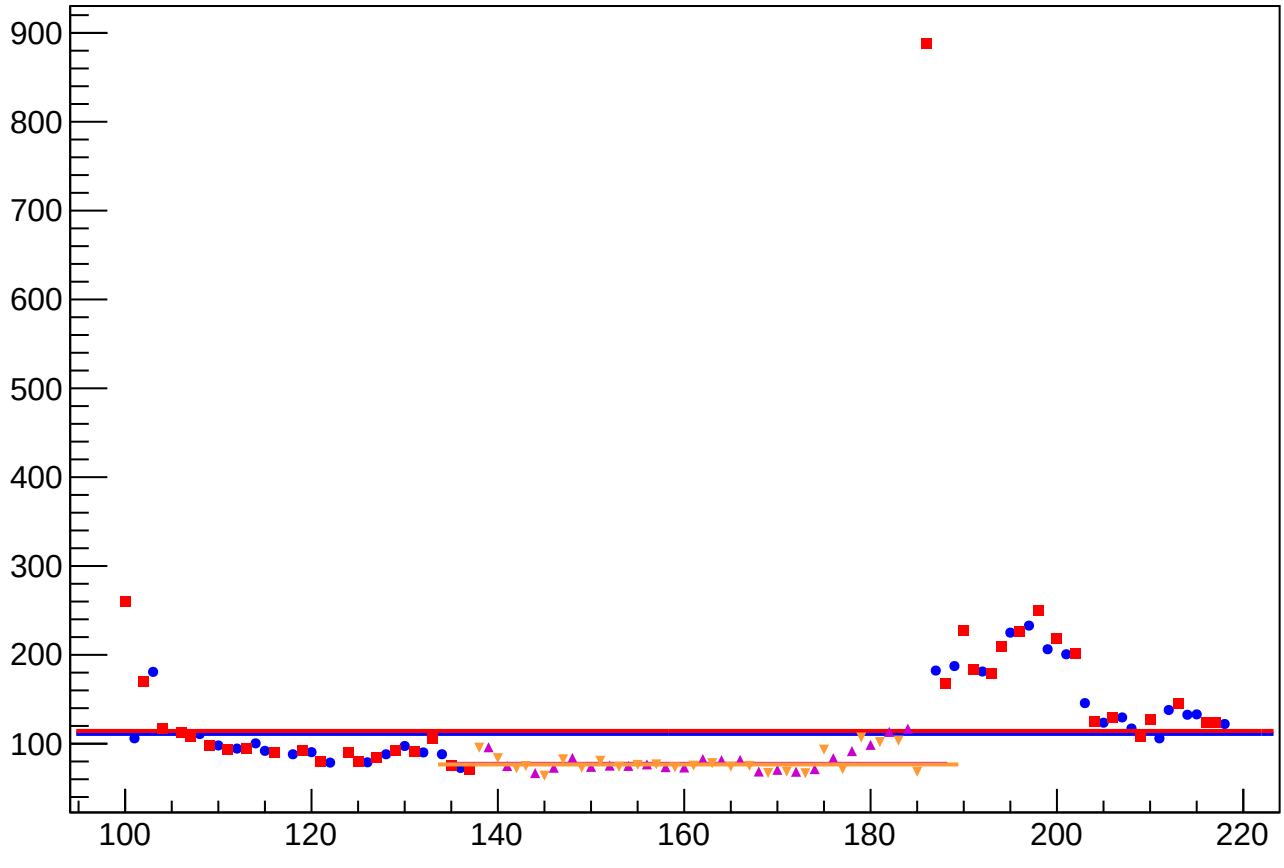
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: -19.274+/-18.816 χ^2/NDF: 85.9/67

In: 39.399+/-15.011 χ^2/NDF:61.4/54

Out: 22.254+/-14.790 χ^2/NDF:96.4/60

All: 30.699+/-10.536 χ^2/NDF: 158.5/115



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: 114.389+/-0.019 χ^2/NDF: 4743503.5/35

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

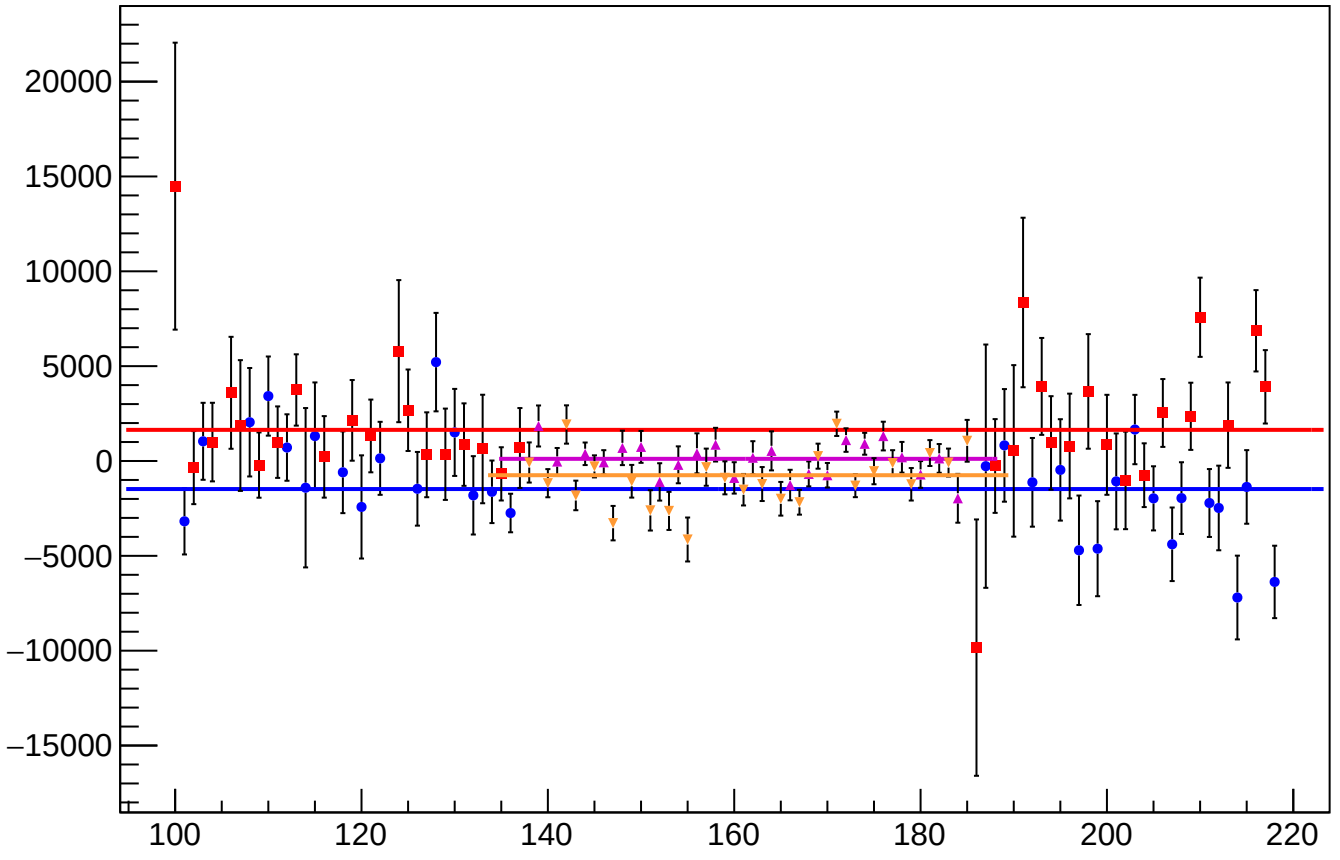
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

Right: 112.660+/-0.013 χ^2/NDF: 8474291.5/67

In: 88.410+/-0.011 χ^2/NDF:6526738.9/54

Out: 87.935+/-0.010 χ^2/NDF:8128502.6/60

All: 88.169+/-0.007 χ^2/NDF: 14656258.9/115



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: 1641.291+/-375.428 χ^2/NDF: 39.1/35

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

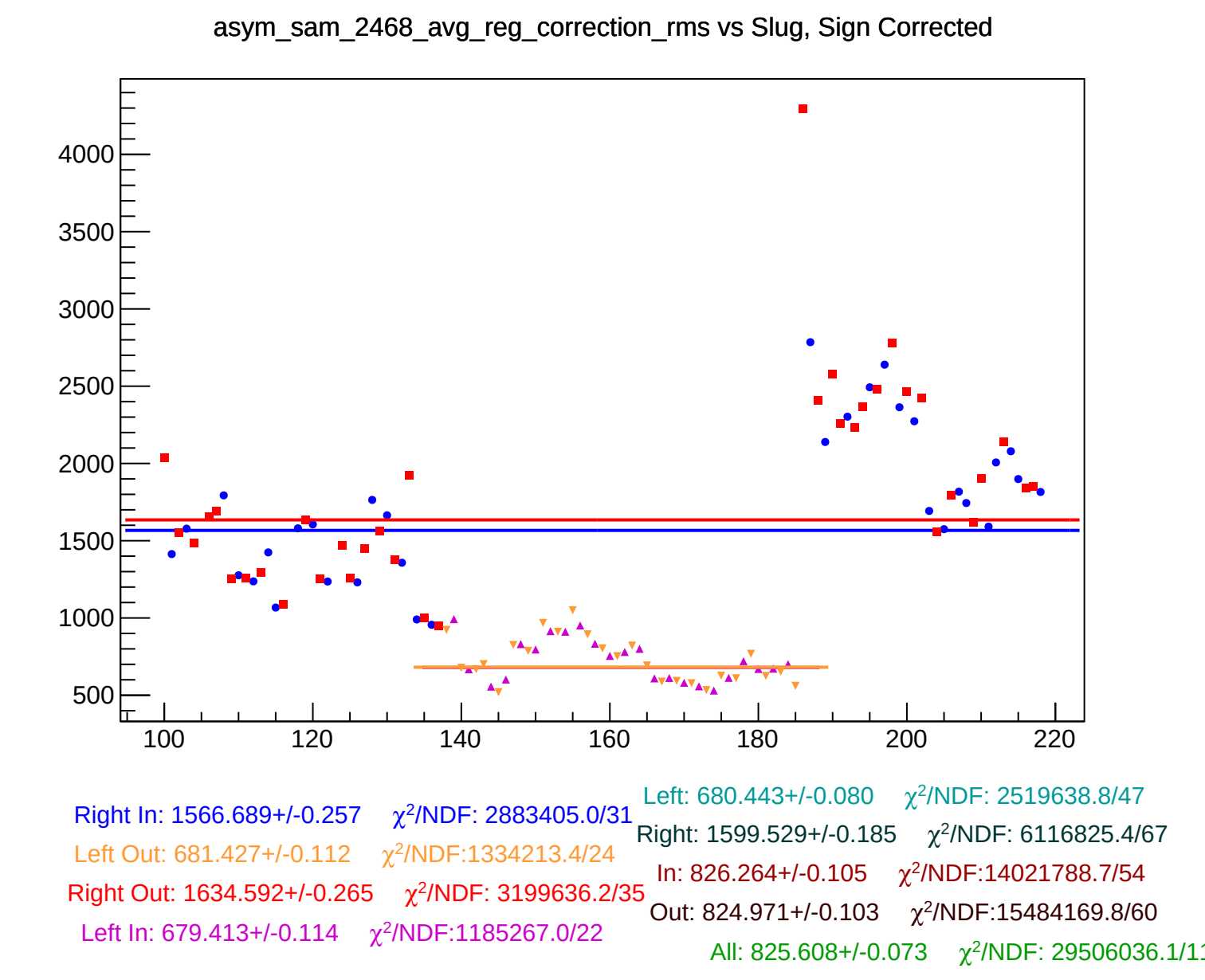
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

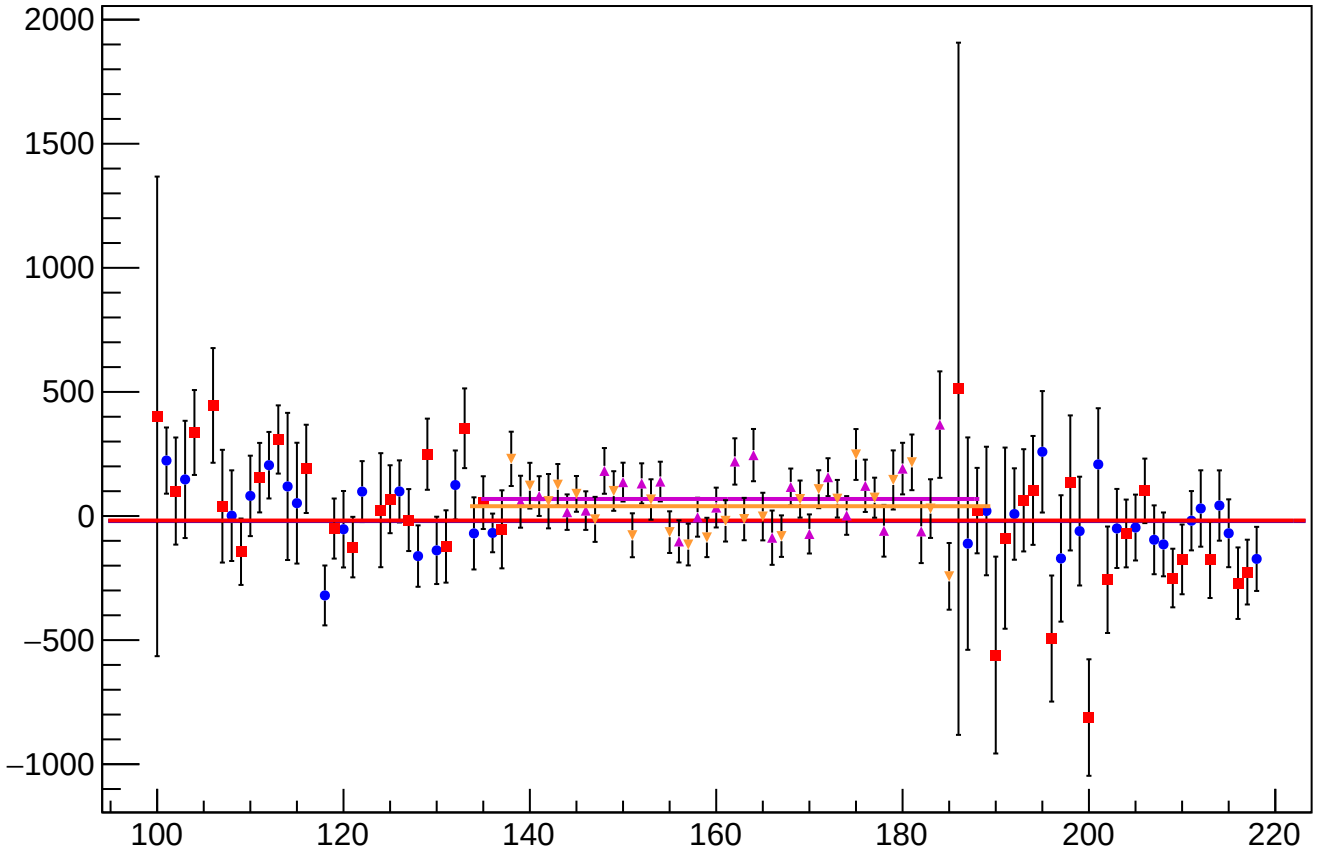
Right: 30.115+/-261.087 χ^2/NDF: 120.4/67

In: -149.808+/-147.813 χ^2/NDF:86.7/54

Out: -389.571+/-145.692 χ^2/NDF:143.5/60

All: -271.423+/-103.762 χ^2/NDF: 231.6/115


asym_sam_2468_avg_reg_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1566.689+/-0.257 χ²/NDF: 2883405.0/31
Left Out: 681.427+/-0.112 χ²/NDF:1334213.4/24
Right Out: 1634.592+/-0.265 χ²/NDF: 3199636.2/35
Left In: 679.413+/-0.114 χ²/NDF:1185267.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.8/47
Right: 1599.529+/-0.185 χ²/NDF: 6116825.4/67
In: 826.264+/-0.105 χ²/NDF:14021788.7/54
Out: 824.971+/-0.103 χ²/NDF:15484169.8/60
All: 825.608+/-0.073 χ²/NDF: 29506036.1/11



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: -18.196+/-27.045 χ^2/NDF: 61.2/35

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

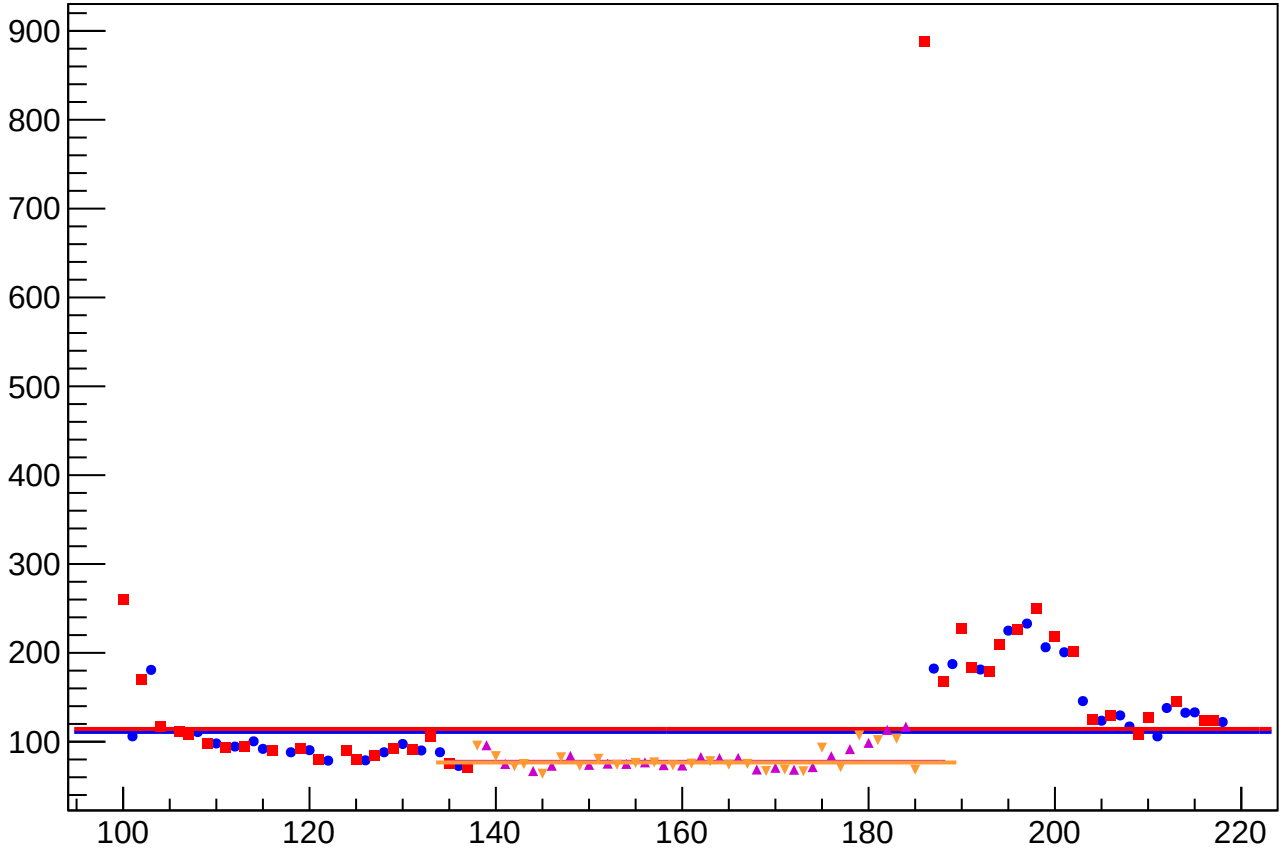
Right: -19.321+/-18.816 χ^2/NDF: 85.8/67

In: 39.396+/-15.011 χ^2/NDF:61.4/54

Out: 22.234+/-14.790 χ^2/NDF:96.4/60

All: 30.688+/-10.536 χ^2/NDF: 158.4/115

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: 114.372+/-0.019 χ^2/NDF: 4743972.0/35

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

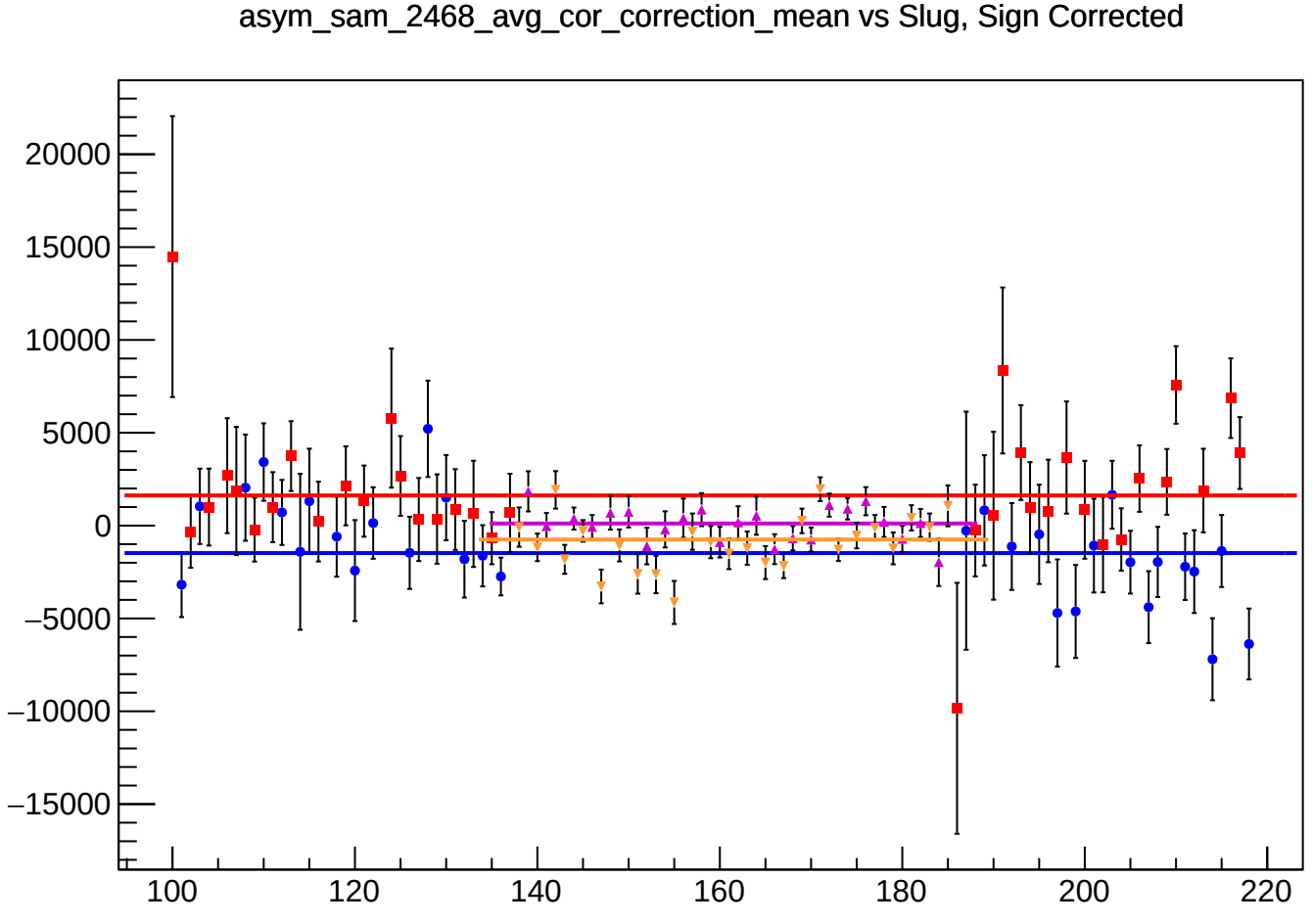
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 112.651+/-0.013 χ^2/NDF: 8474596.5/67

In: 88.410+/-0.011 χ^2/NDF:6526742.5/54

Out: 87.929+/-0.010 χ^2/NDF:8126293.4/60

All: 88.166+/-0.007 χ^2/NDF: 14654078.3/115



Right In: -1478.907+/-363.334 χ^2/NDF: 45.6/31

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1625.410+/-375.716 χ^2/NDF: 38.7/35

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

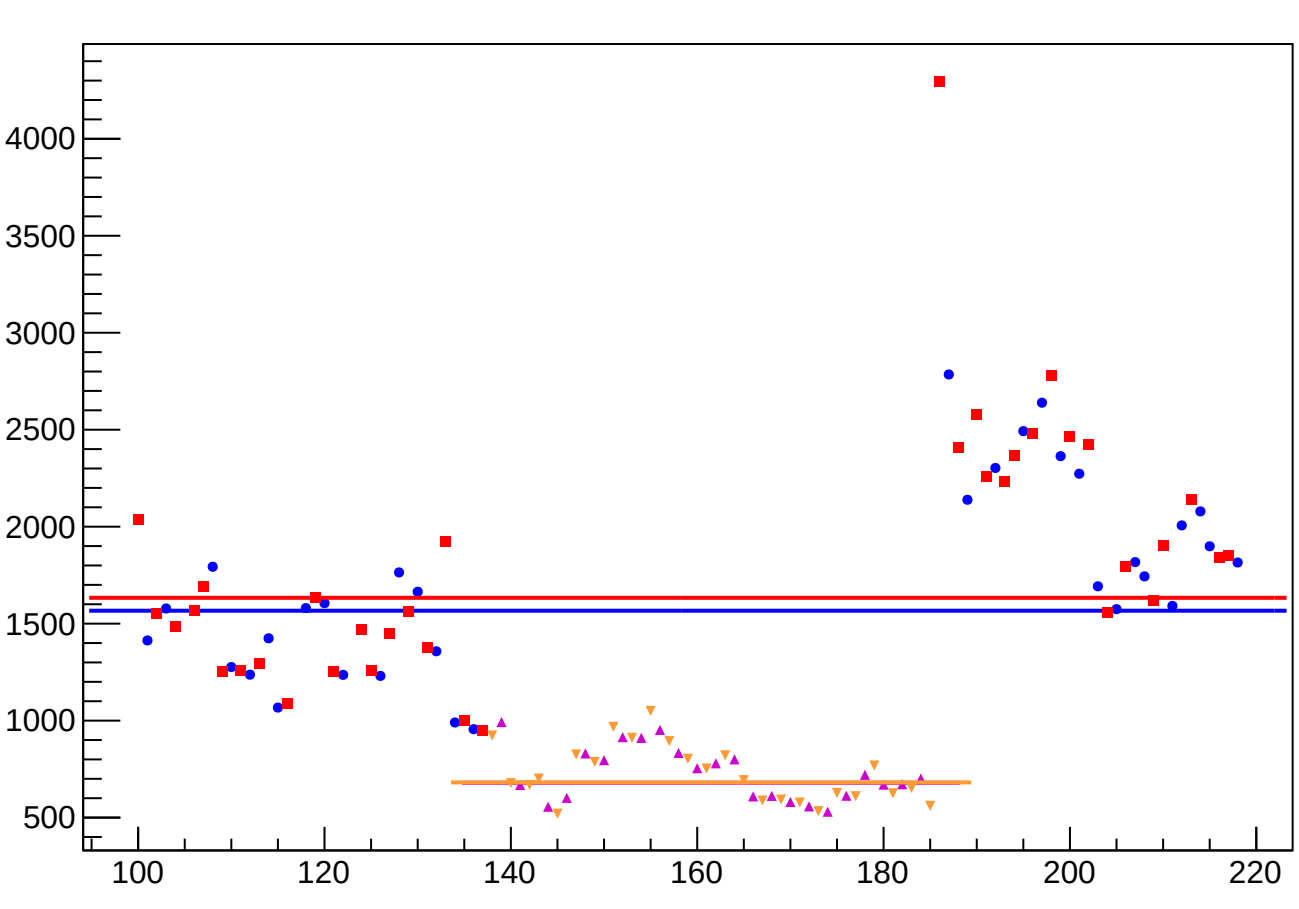
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 21.255+/-261.184 χ^2/NDF: 119.6/67

In: -149.805+/-147.814 χ^2/NDF:86.7/54

Out: -392.422+/-145.709 χ^2/NDF:142.7/60

All: -272.853+/-103.768 χ^2/NDF: 230.7/115



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: 1633.332+/-0.266 χ^2/NDF: 3200327.2/35

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

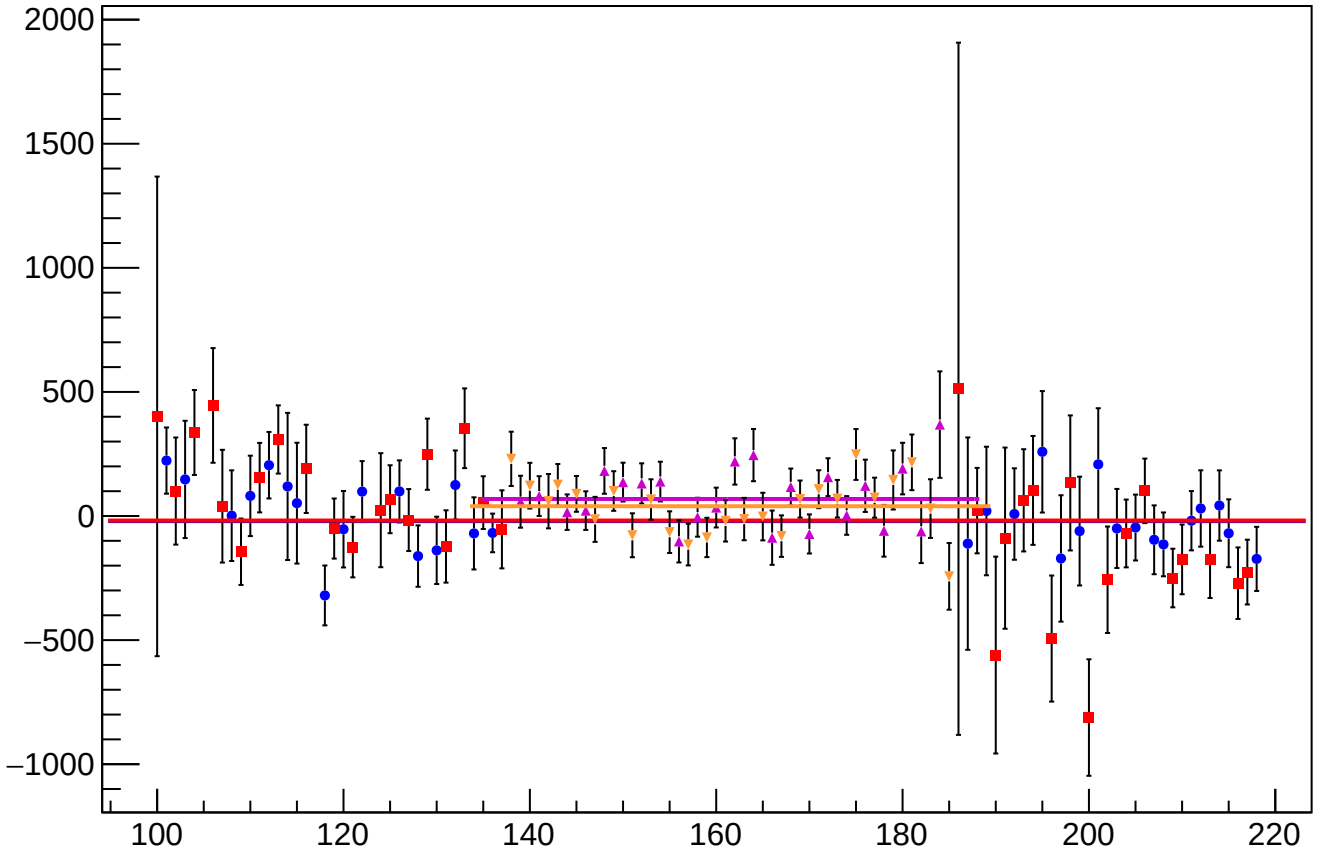
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1598.896+/-0.185 χ^2/NDF: 6116251.9/67

In: 826.264+/-0.105 χ^2/NDF:14021821.7/54

Out: 824.594+/-0.103 χ^2/NDF:15441689.2/60

All: 825.417+/-0.073 χ^2/NDF: 29463640.3/1



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: -18.196+/-27.045 χ^2/NDF: 61.2/35

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

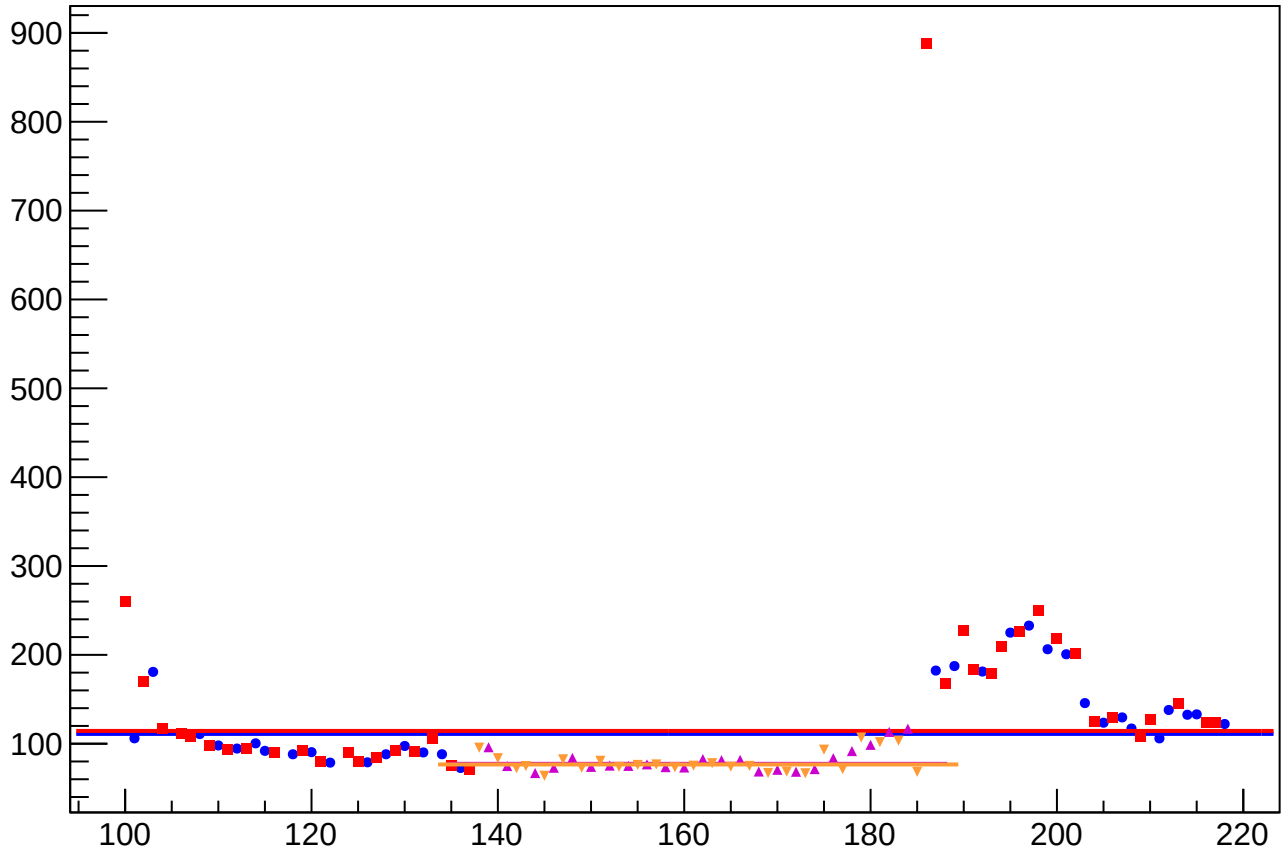
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: -19.321+/-18.816 χ^2/NDF: 85.8/67

In: 39.396+/-15.011 χ^2/NDF:61.4/54

Out: 22.234+/-14.790 χ^2/NDF:96.4/60

All: 30.688+/-10.536 χ^2/NDF: 158.4/115



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: 114.372+/-0.019 χ^2/NDF: 4743972.0/35

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

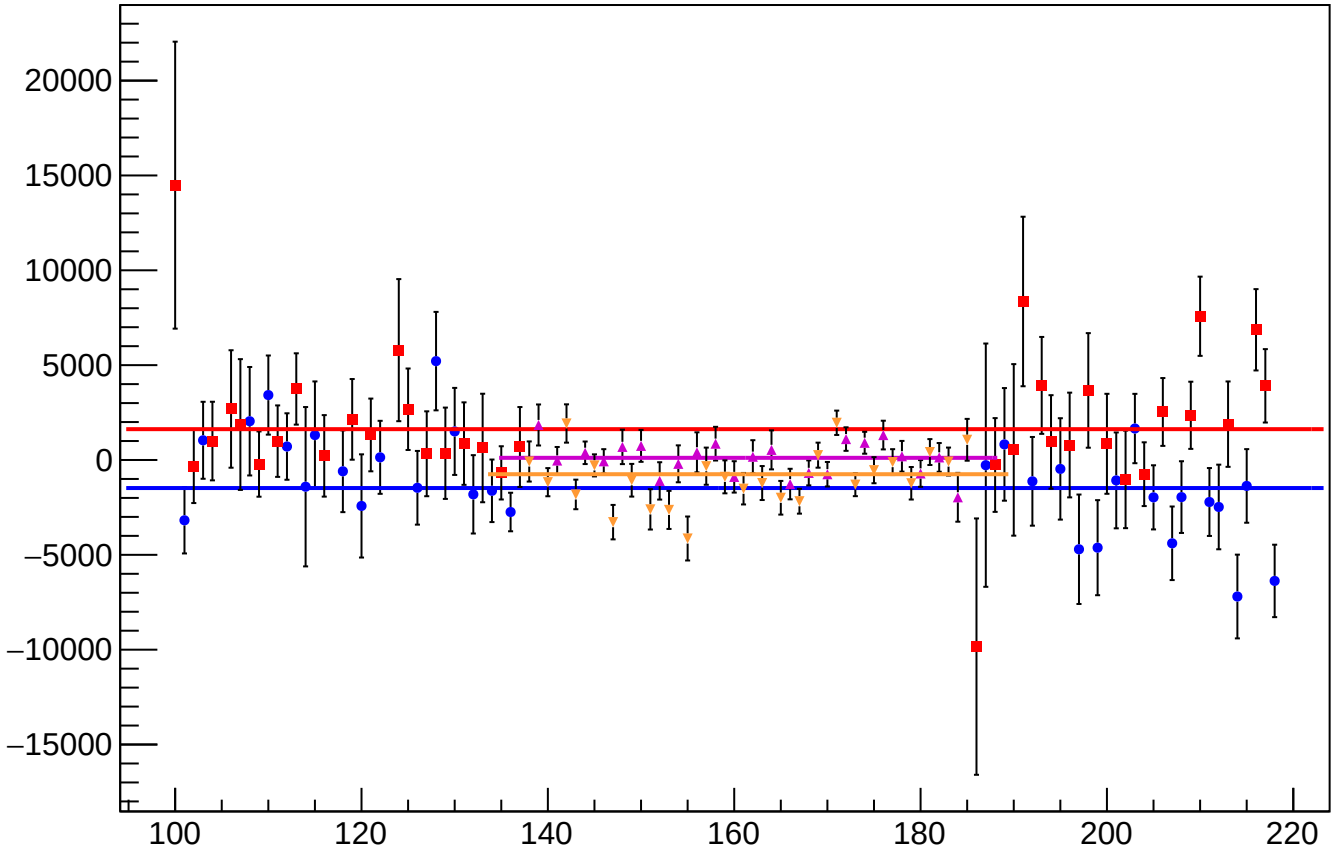
Right: 112.651+/-0.013 χ^2/NDF: 8474596.5/67

In: 88.410+/-0.011 χ^2/NDF:6526742.5/54

Out: 87.929+/-0.010 χ^2/NDF:8126293.4/60

All: 88.166+/-0.007 χ^2/NDF: 14654078.3/115

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1478.907+/-363.334 χ^2/NDF: 45.6/31

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1625.410+/-375.716 χ^2/NDF: 38.7/35

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

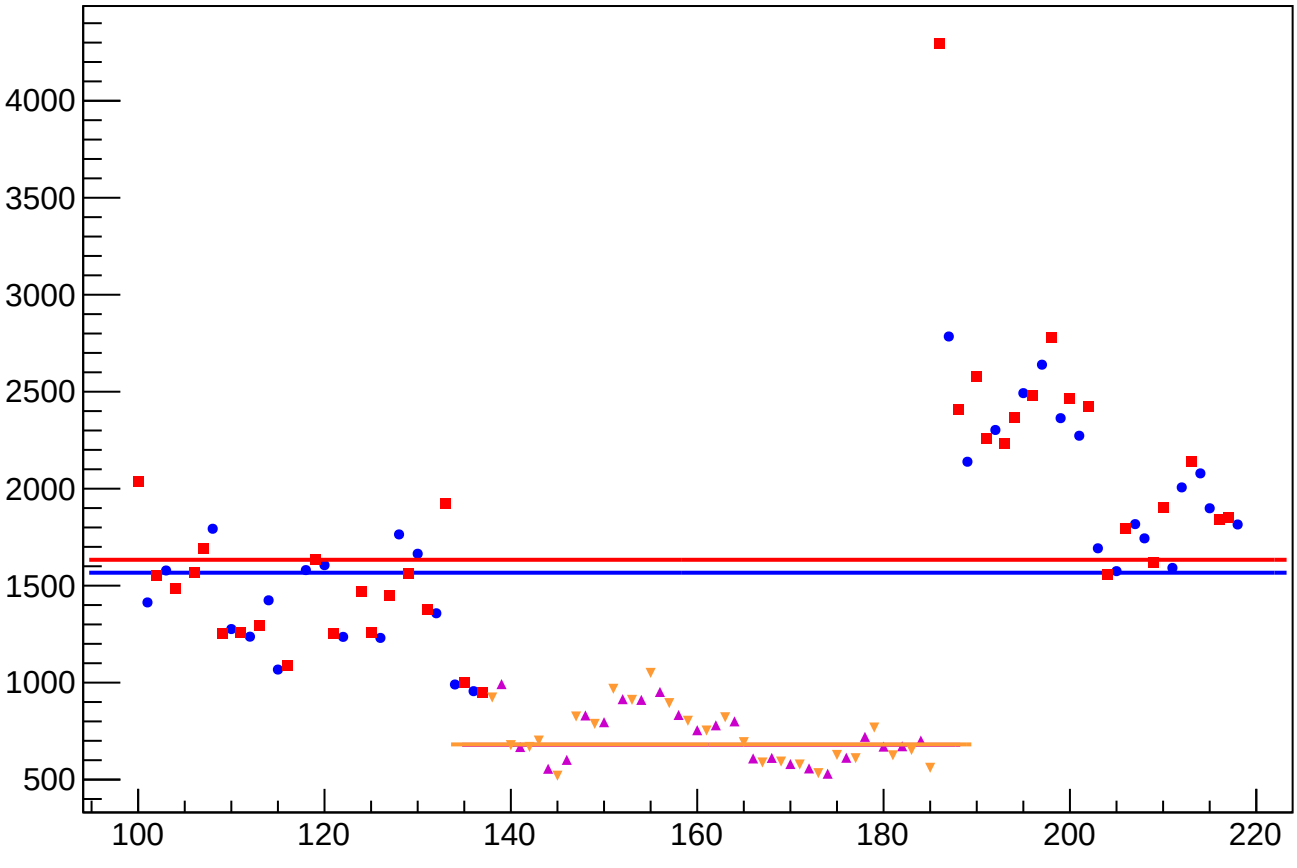
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 21.255+/-261.184 χ^2/NDF: 119.6/67

In: -149.805+/-147.814 χ^2/NDF:86.7/54

Out: -392.422+/-145.709 χ^2/NDF:142.7/60

All: -272.853+/-103.768 χ^2/NDF: 230.7/115



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: 1633.332+/-0.266 χ^2/NDF: 3200327.2/35

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

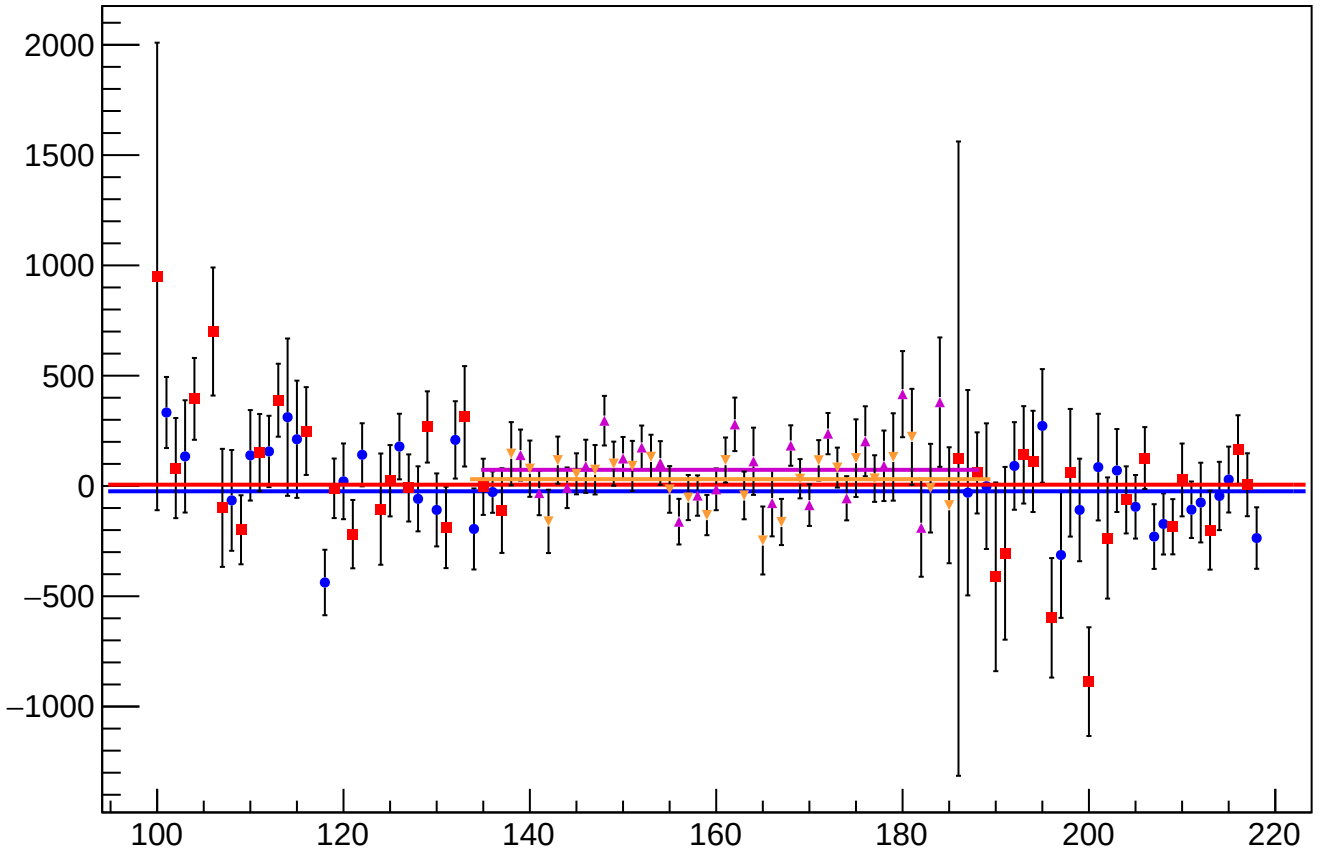
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1598.896+/-0.185 χ^2/NDF: 6116251.9/67

In: 826.264+/-0.105 χ^2/NDF:14021821.7/54

Out: 824.594+/-0.103 χ^2/NDF:15441689.2/60

All: 825.417+/-0.073 χ^2/NDF: 29463640.3/1



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: 5.806+/-31.114 χ^2/NDF: 55.5/35

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

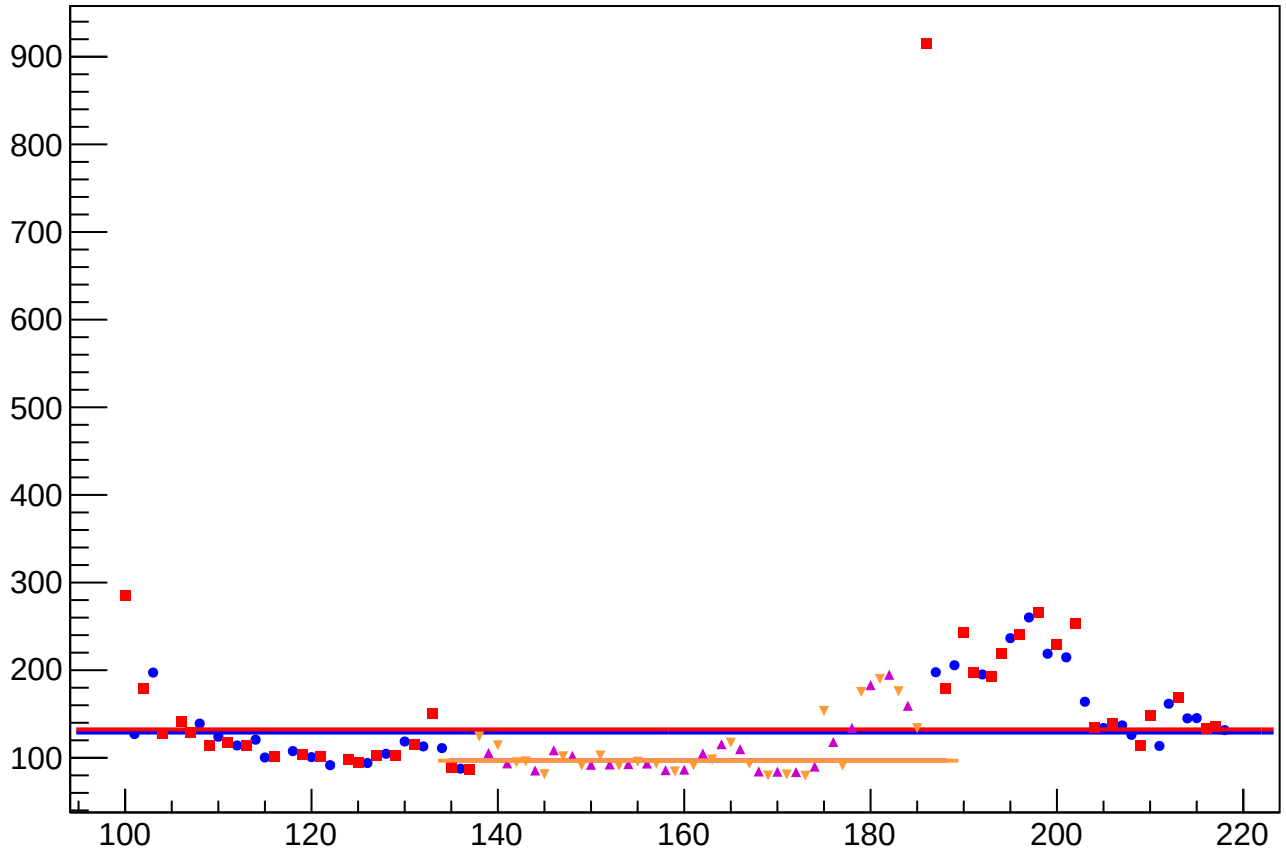
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -9.631+/-21.660 χ^2/NDF: 88.5/67

In: 36.389+/-18.545 χ^2/NDF:73.4/54

Out: 21.964+/-18.420 χ^2/NDF:75.9/60

All: 29.128+/-13.069 χ^2/NDF: 149.6/115



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: 132.446+/-0.022 χ^2/NDF: 4019975.3/35

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

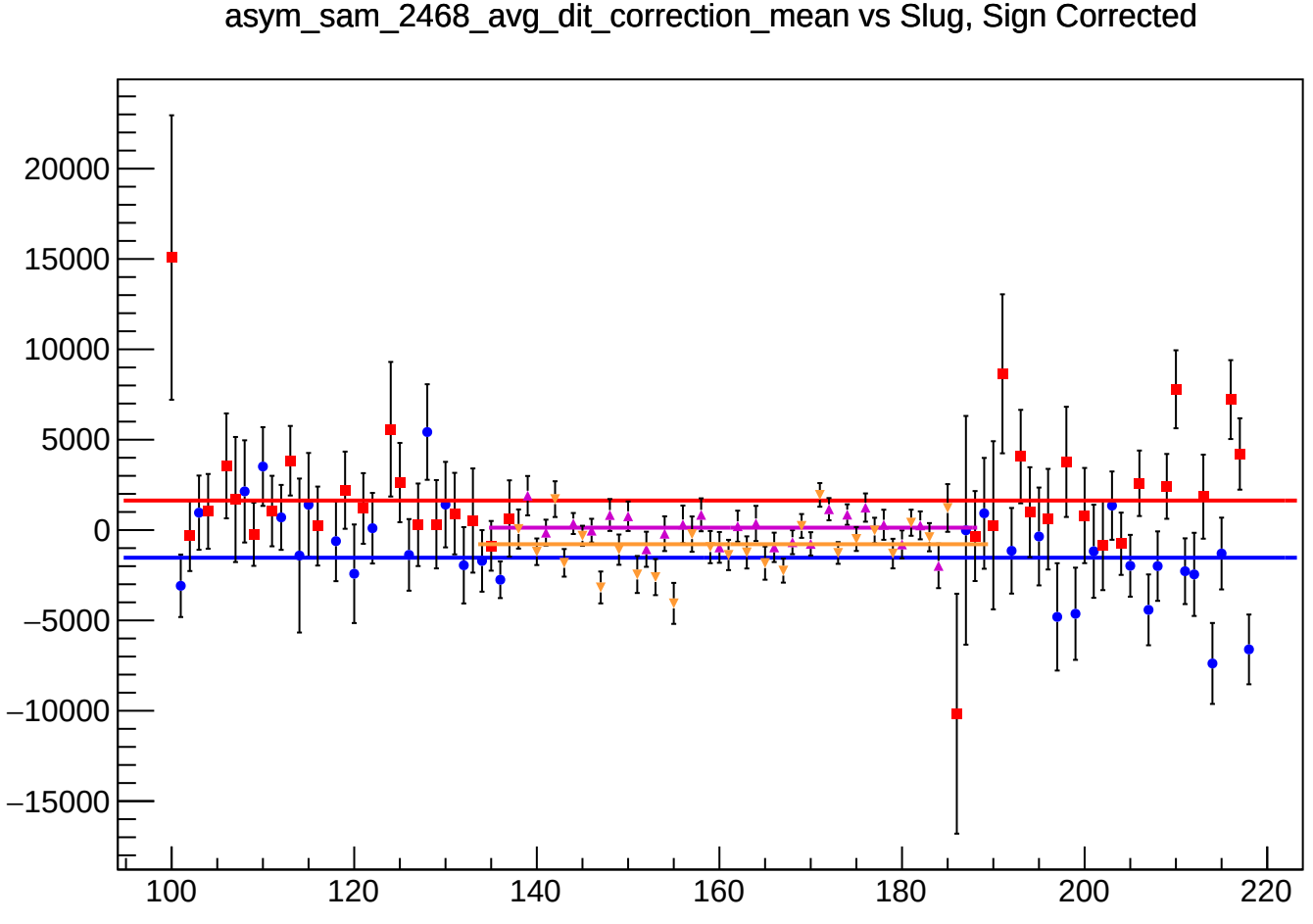
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 130.584+/-0.015 χ^2/NDF: 7003758.1/67

In: 109.037+/-0.013 χ^2/NDF:5675004.1/54

Out: 109.290+/-0.013 χ^2/NDF:7445955.1/60

All: 109.165+/-0.009 χ^2/NDF: 13121145.6/1



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: 1633.107+/-379.824 χ^2/NDF: 41.2/35

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

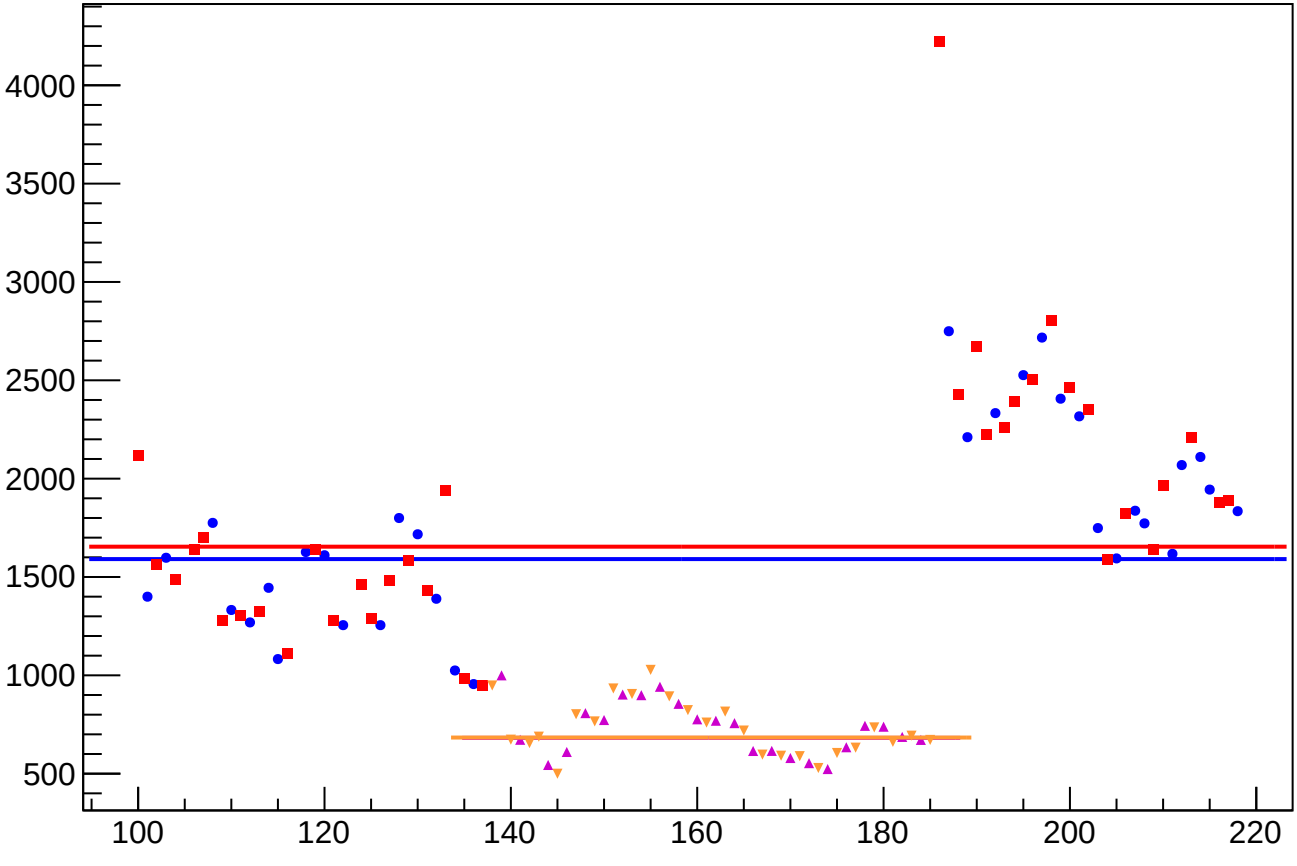
Right: 6.185+/-264.719 χ^2/NDF: 122.0/67

In: -138.140+/-148.658 χ^2/NDF:86.4/54

Out: -425.967+/-146.140 χ^2/NDF:142.0/60

All: -284.511+/-104.215 χ^2/NDF: 230.3/115

asym_sam_2468_avg_dit_correction_rms vs Slug, Sign Corrected



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: 1654.115+/-0.269 χ^2/NDF: 3202403.7/35

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

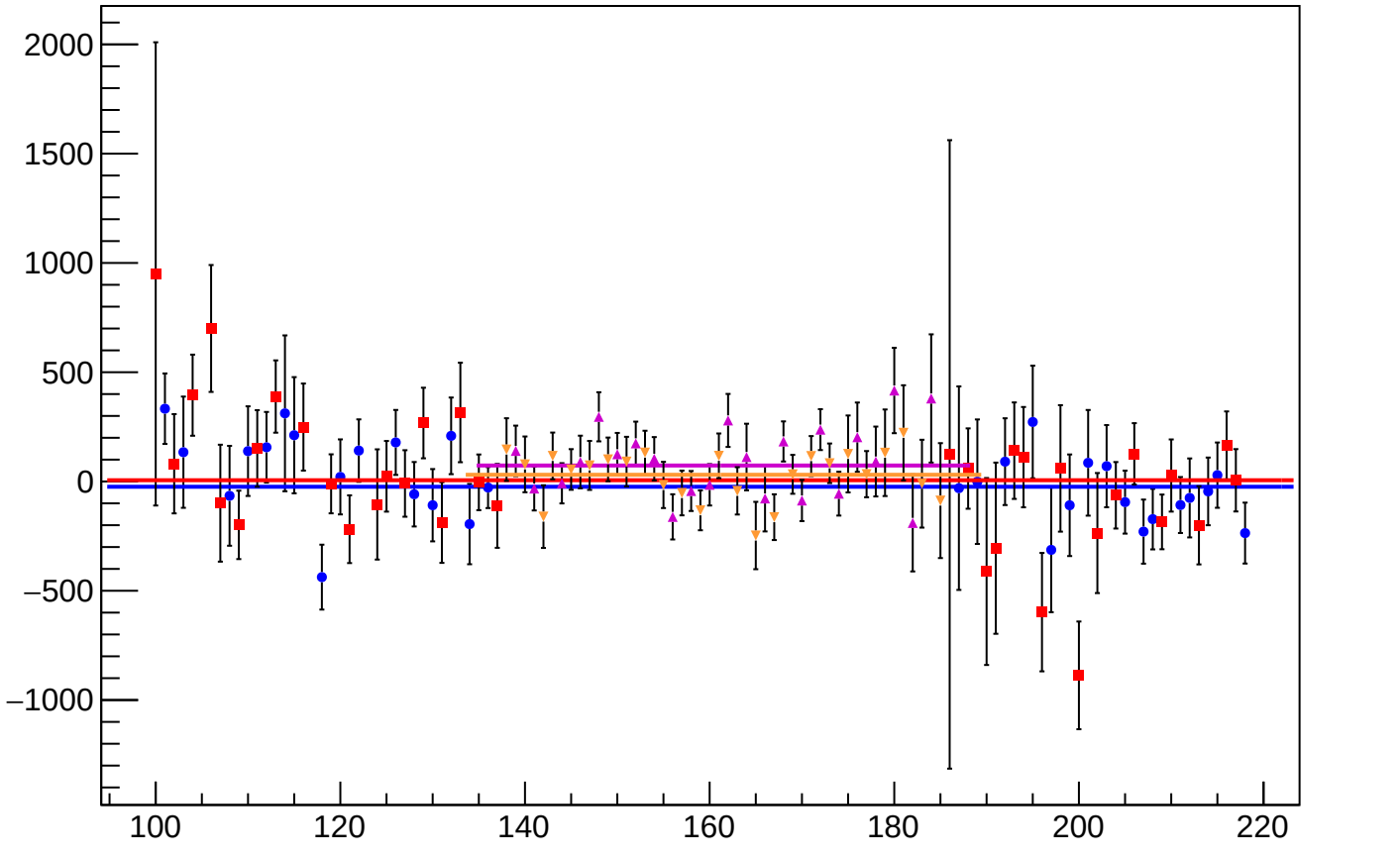
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1621.666+/-0.187 χ^2/NDF: 6167435.3/67

In: 829.389+/-0.105 χ^2/NDF:14284709.5/54

Out: 827.357+/-0.103 χ^2/NDF:15622875.3/60

All: 828.356+/-0.074 χ^2/NDF: 29907774.8/1



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: 5.804+/-31.113 χ^2/NDF: 55.5/35

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

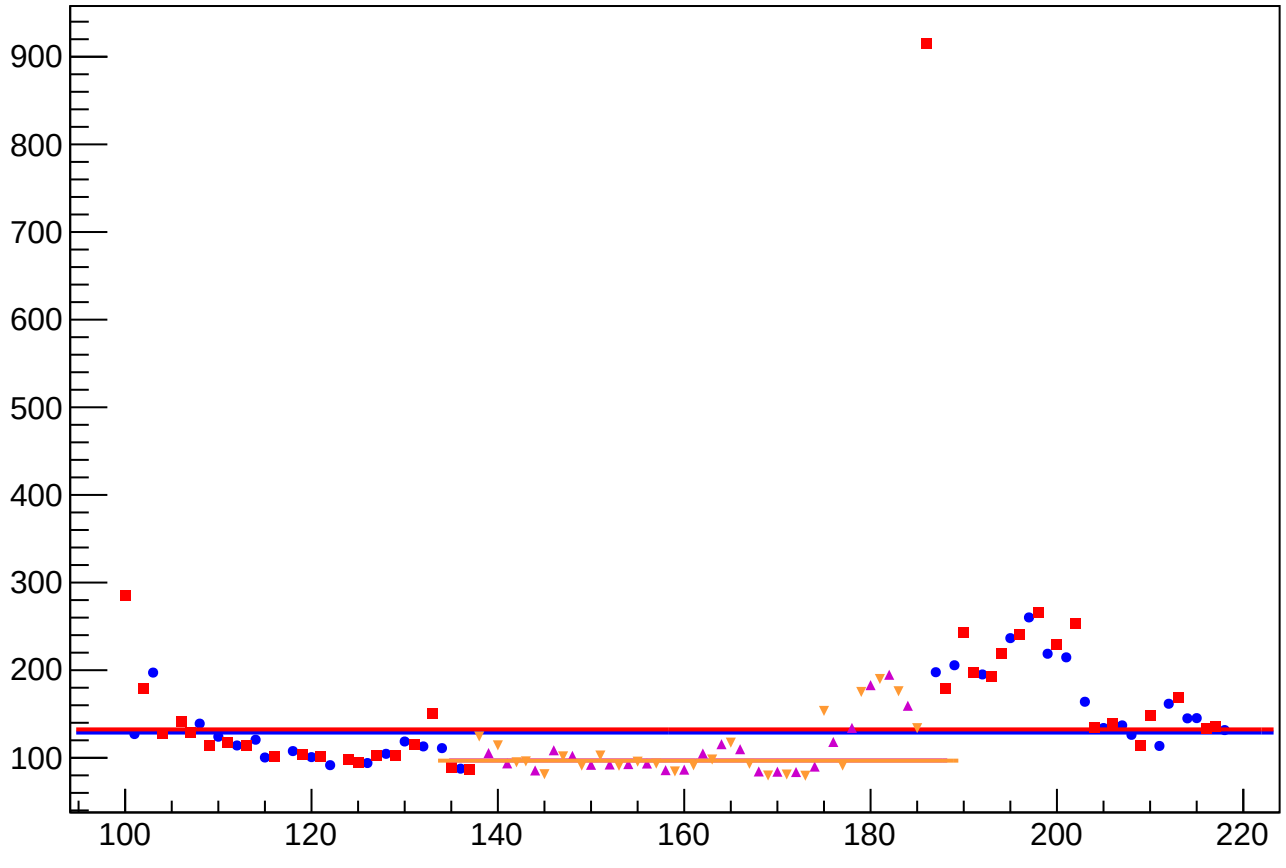
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -9.631+/-21.659 χ^2/NDF: 88.5/67

In: 36.389+/-18.545 χ^2/NDF:73.4/54

Out: 21.964+/-18.420 χ^2/NDF:75.9/60

All: 29.128+/-13.069 χ^2/NDF: 149.6/115



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: 132.445+/-0.022 χ^2/NDF: 4020006.1/35

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

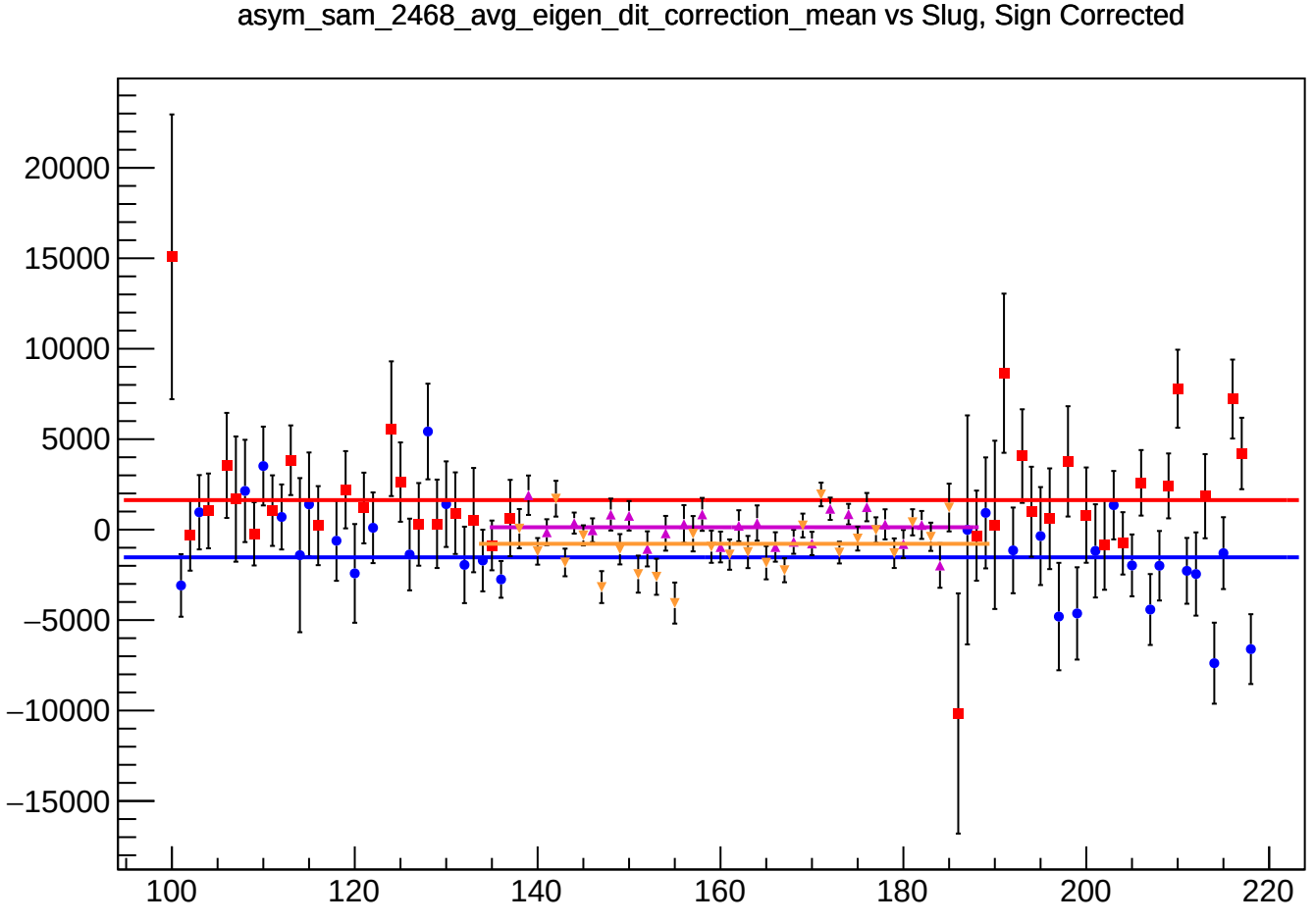
Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

Right: 130.584+/-0.015 χ^2/NDF: 7003808.3/67

In: 109.038+/-0.013 χ^2/NDF:5674932.8/54

Out: 109.290+/-0.013 χ^2/NDF:7445913.3/60

All: 109.165+/-0.009 χ^2/NDF: 13121032.6/1



Right In: -1530.511+/-369.142 χ^2/NDF: 45.2/31

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: 1633.103+/-379.823 χ^2/NDF: 41.2/35

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

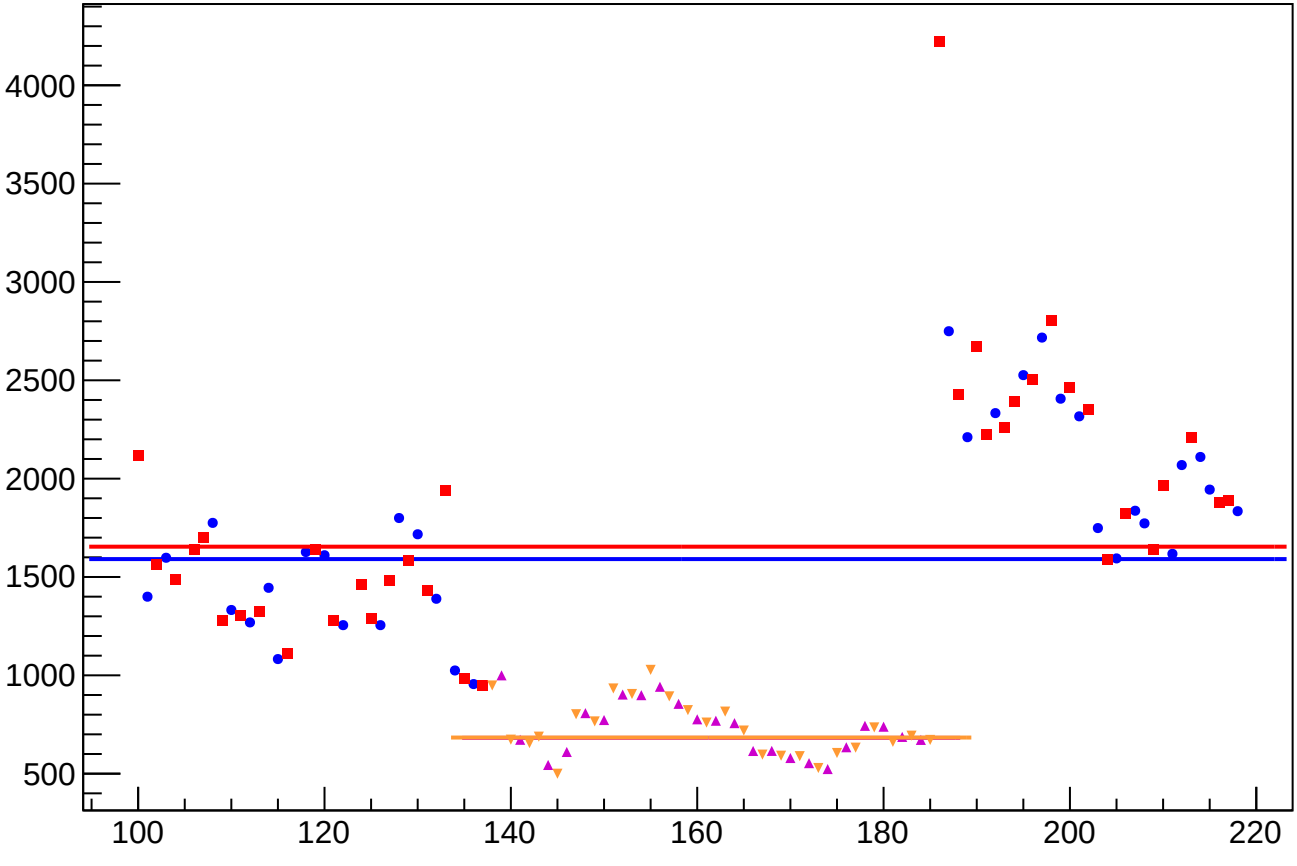
Right: 6.186+/-264.718 χ^2/NDF: 122.0/67

In: -138.140+/-148.657 χ^2/NDF:86.4/54

Out: -425.967+/-146.140 χ^2/NDF:142.0/60

All: -284.511+/-104.215 χ^2/NDF: 230.3/115

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 1654.112+/-0.269 χ^2/NDF: 3202416.7/35

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

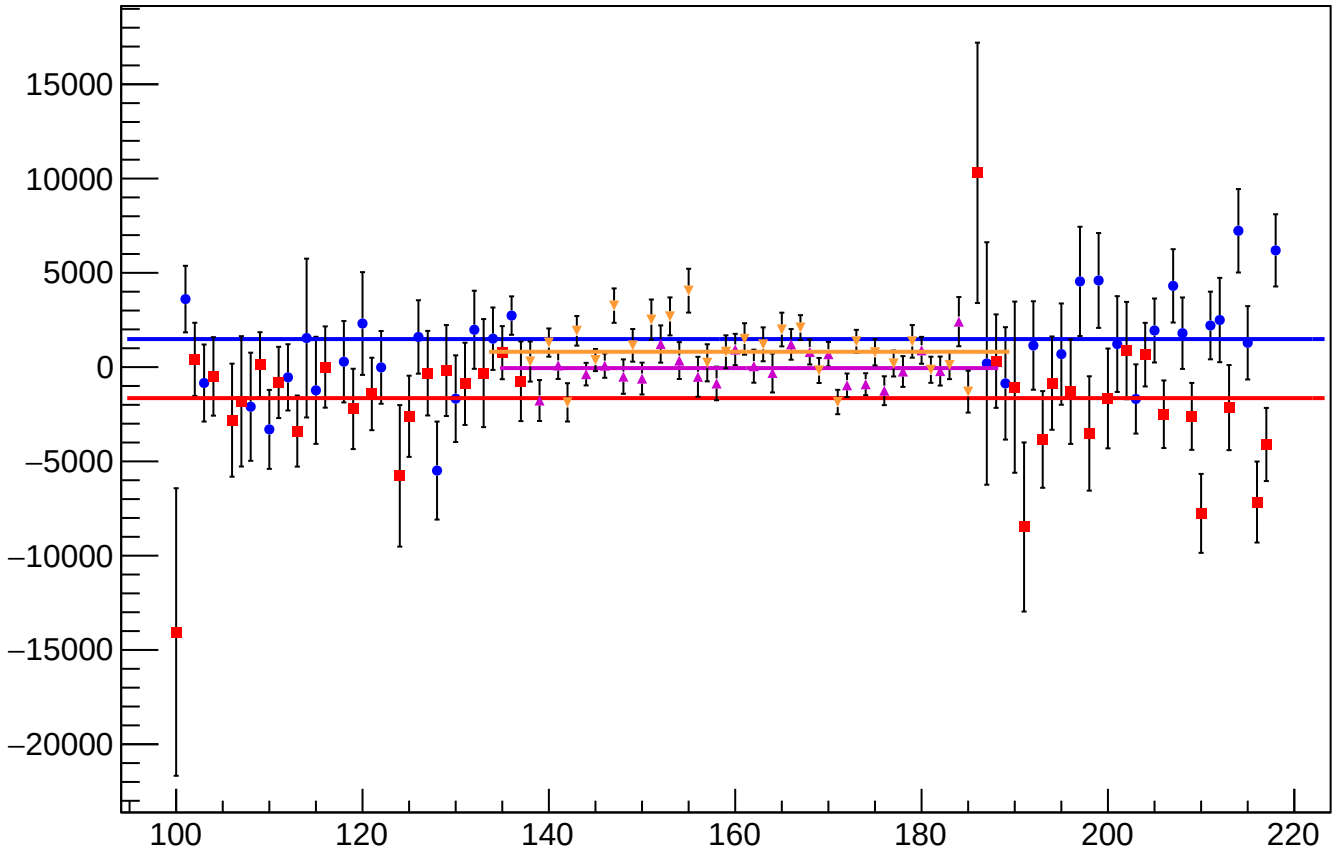
Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

Right: 1621.664+/-0.187 χ^2/NDF: 6167457.9/67

In: 829.387+/-0.105 χ^2/NDF:14284728.5/54

Out: 827.355+/-0.103 χ^2/NDF:15622902.0/60

All: 828.354+/-0.074 χ^2/NDF: 29907820.5/1



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: -1644.681+/-376.681 χ^2/NDF: 39.9/35

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

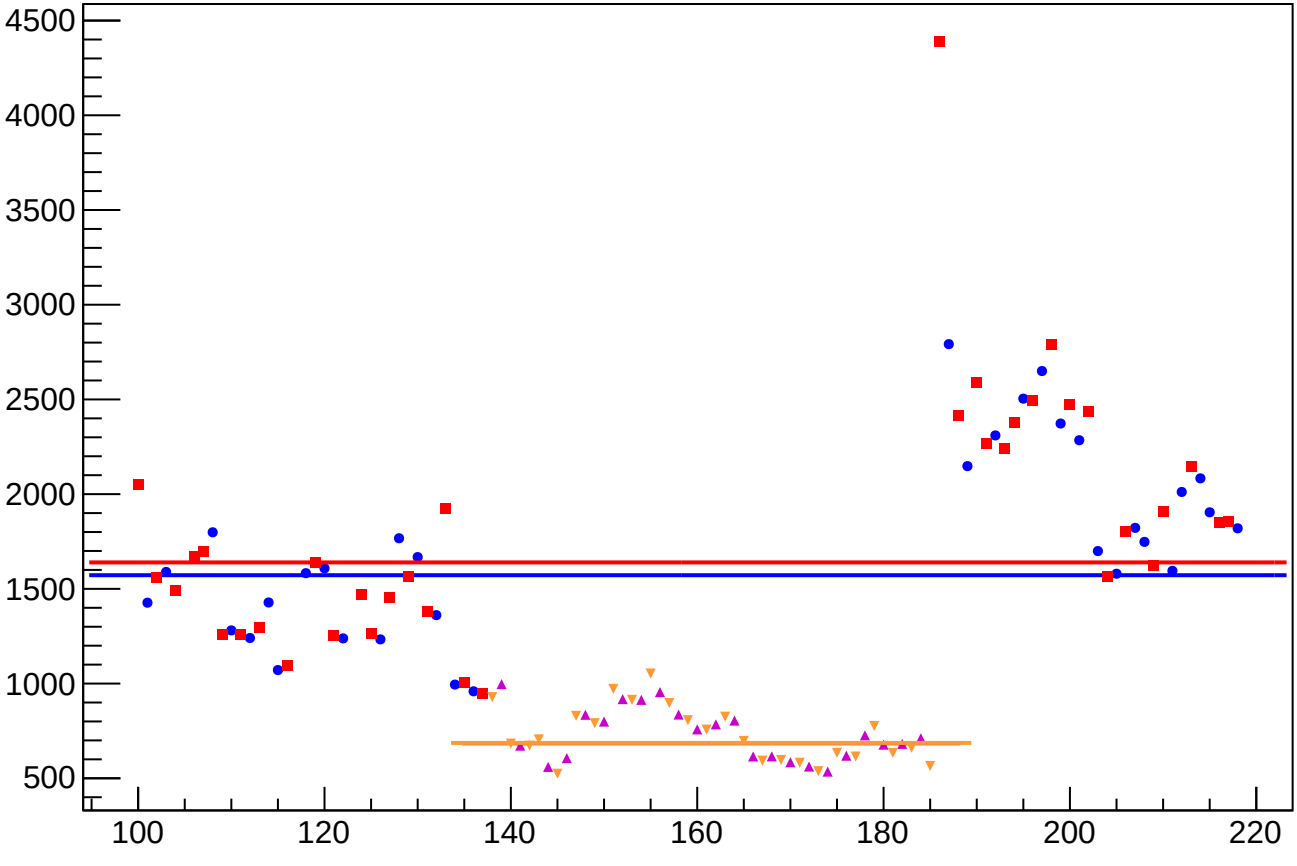
Right: -27.688+/-261.965 χ^2/NDF: 120.8/67

In: 204.244+/-148.831 χ^2/NDF:85.5/54

Out: 441.215+/-146.685 χ^2/NDF:141.8/60

All: 324.450+/-104.472 χ^2/NDF: 228.6/115

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: 1639.624+/-0.266 χ^2/NDF: 3210706.7/35

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

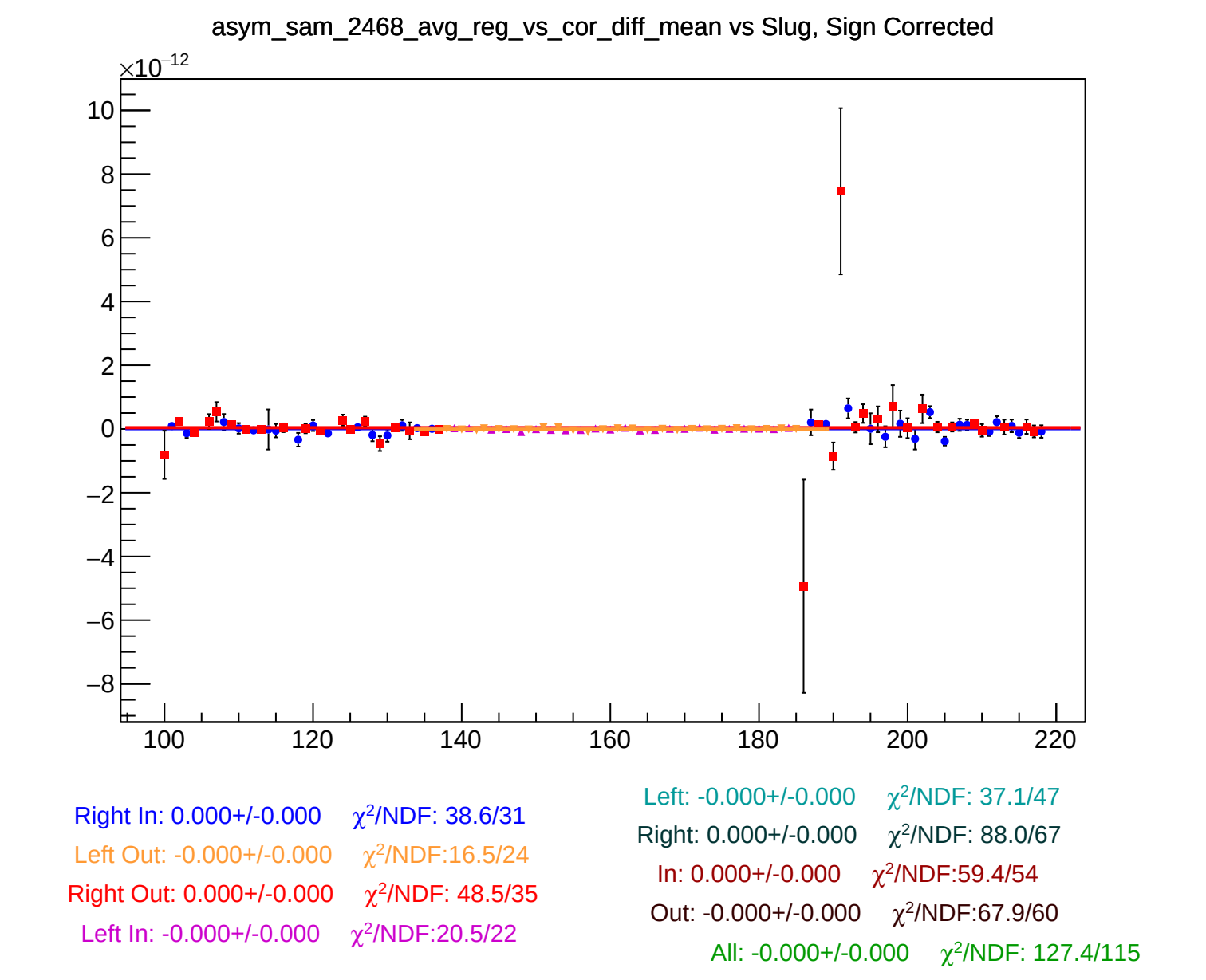
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

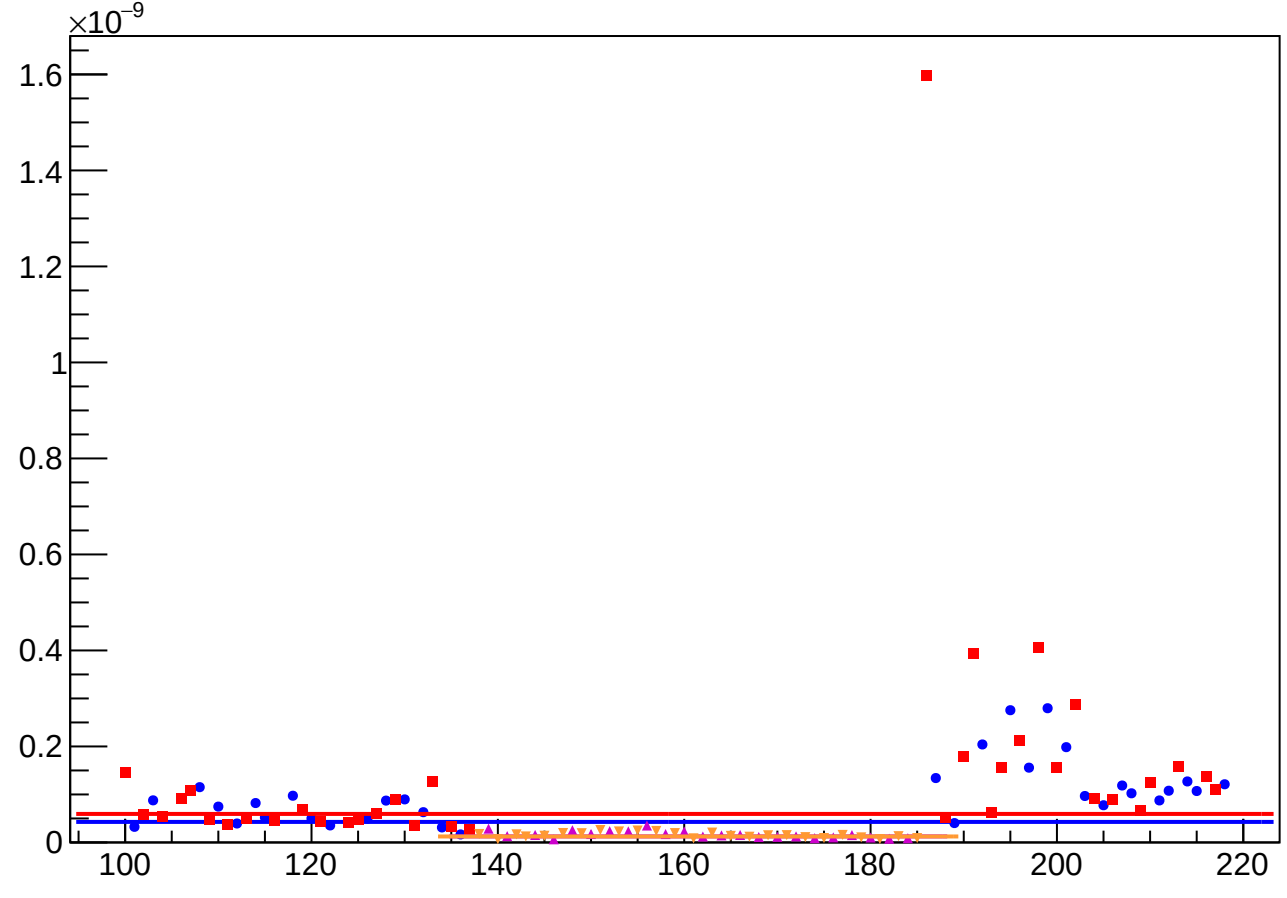
Right: 1604.735+/-0.185 χ^2/NDF: 6125799.7/67

In: 832.641+/-0.105 χ^2/NDF:13919731.7/54

Out: 831.204+/-0.104 χ^2/NDF:15381636.5/60

All: 831.912+/-0.074 χ^2/NDF: 29301462.8/1


asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 38.6/31
Left Out: -0.000+/-0.000 χ²/NDF:16.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 48.5/35
Left In: -0.000+/-0.000 χ²/NDF:20.5/22
Left: -0.000+/-0.000 χ²/NDF: 37.1/47
Right: 0.000+/-0.000 χ²/NDF: 88.0/67
In: 0.000+/-0.000 χ²/NDF:59.4/54
Out: -0.000+/-0.000 χ²/NDF:67.9/60
All: -0.000+/-0.000 χ²/NDF: 127.4/115



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: 4607272.2/35

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

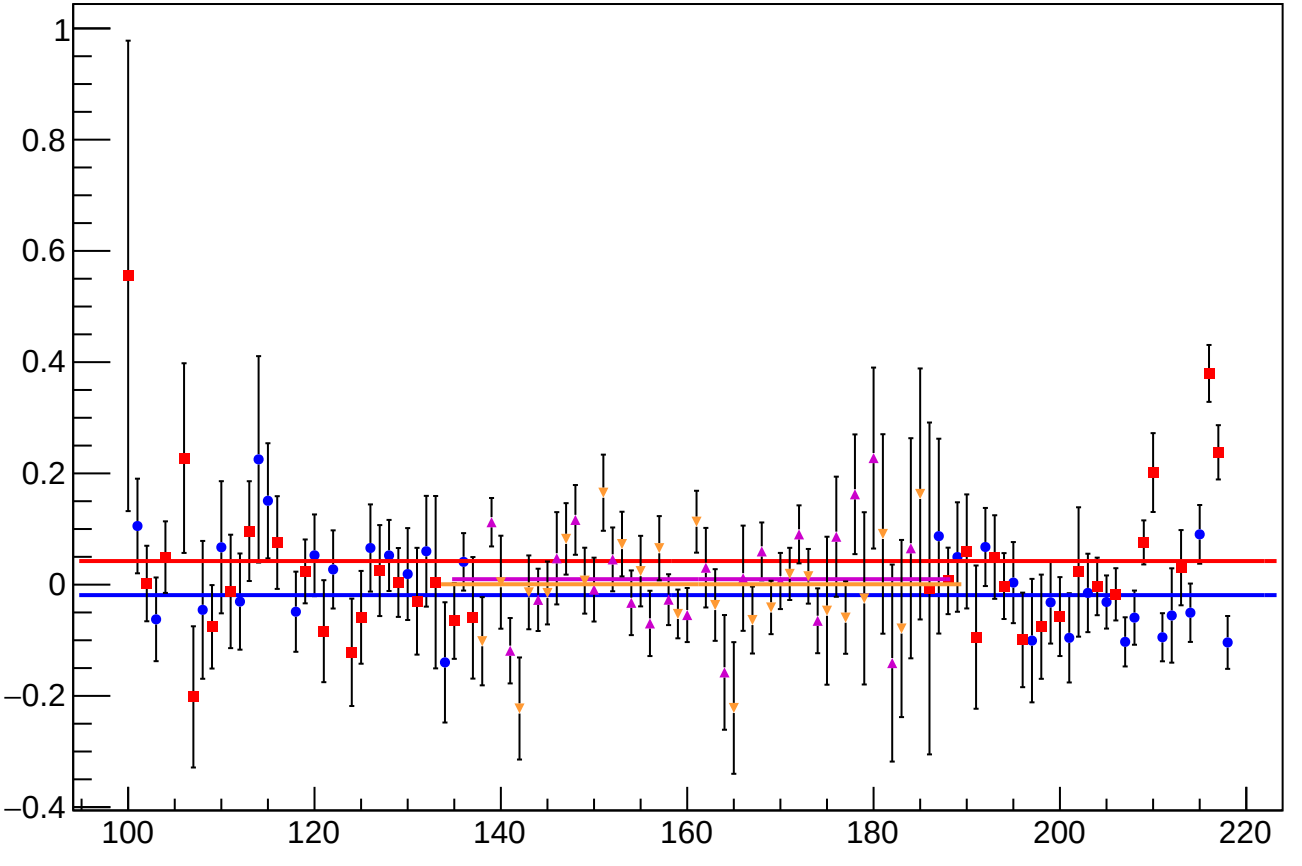
Right: 0.000+/-0.000 χ^2/NDF: 12482577.5/67

In: 0.000+/-0.000 χ^2/NDF:13639435.2/54

Out: 0.000+/-0.000 χ^2/NDF:13416476.4/60

All: 0.000+/-0.000 χ^2/NDF: 27057771.4/115

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: 0.042+/-0.012 χ^2/NDF: 97.0/35

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

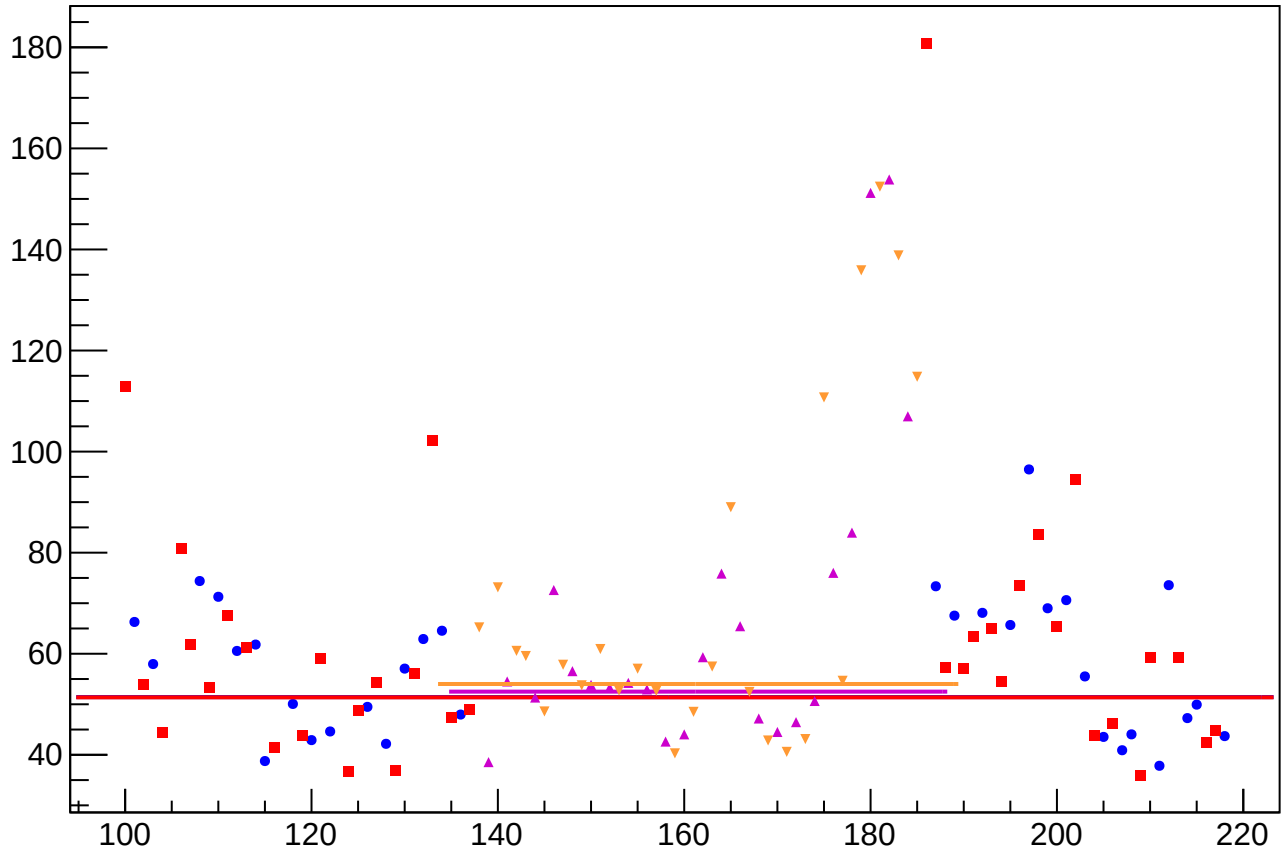
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.012+/-0.009 χ^2/NDF: 144.0/67

In: -0.006+/-0.009 χ^2/NDF:68.8/54

Out: 0.023+/-0.009 χ^2/NDF:134.1/60

All: 0.009+/-0.006 χ^2/NDF: 208.1/115



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: 51.370+/-0.009 χ^2/NDF: 2419962.7/35

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

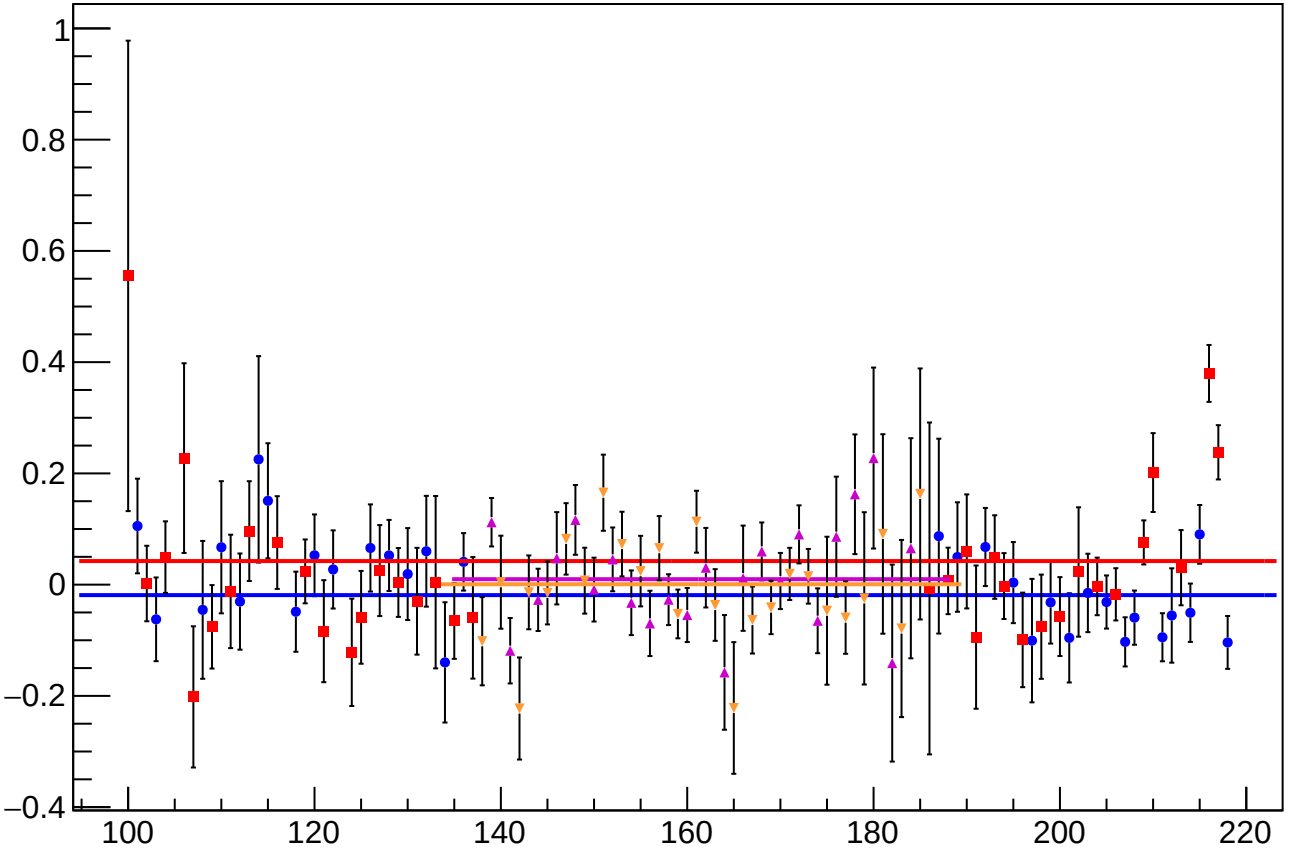
Right: 51.395+/-0.006 χ^2/NDF: 4295132.8/67

In: 51.916+/-0.006 χ^2/NDF:4440174.3/54

Out: 52.581+/-0.006 χ^2/NDF:5690754.8/60

All: 52.248+/-0.004 χ^2/NDF: 10136446.8/115

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: 0.042+/-0.012 χ^2/NDF: 97.0/35

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

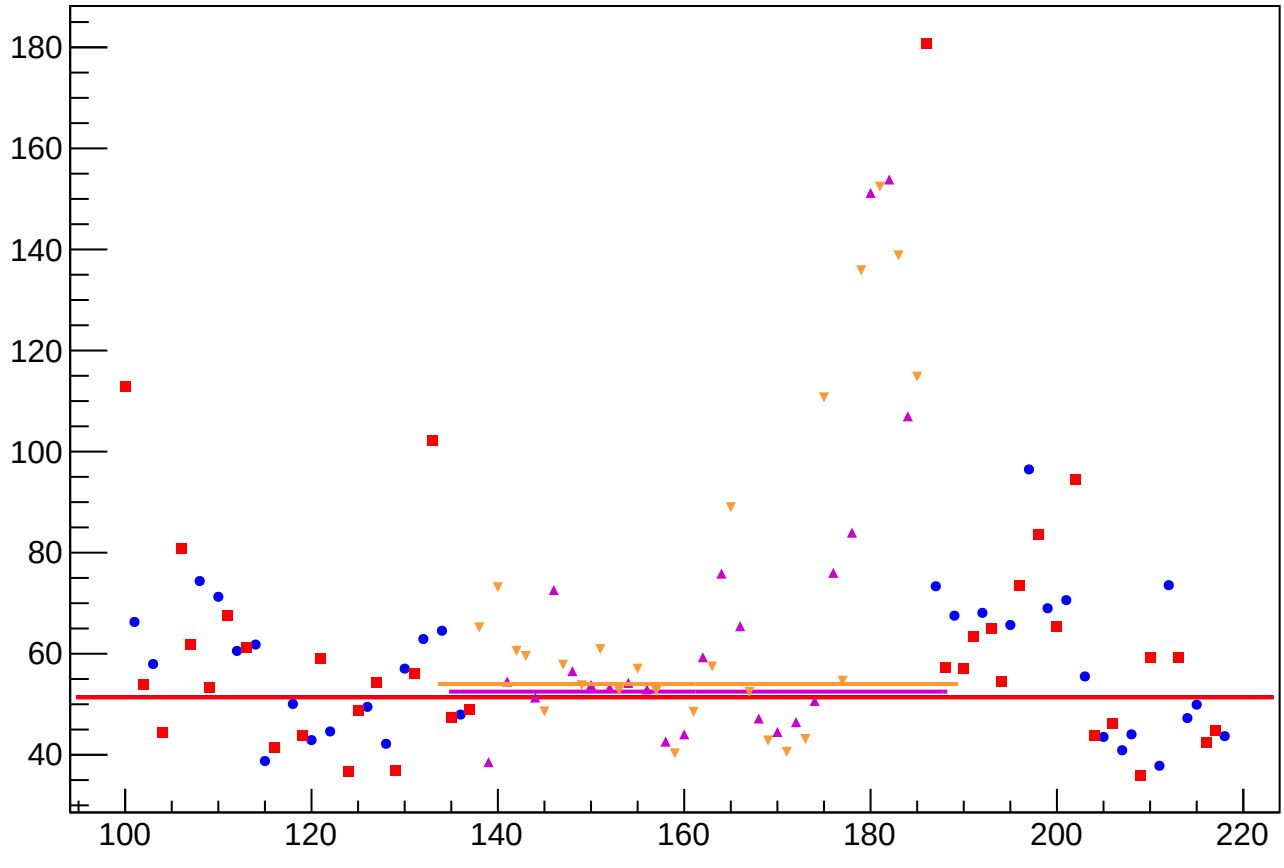
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.012+/-0.009 χ^2/NDF: 144.0/67

In: -0.006+/-0.009 χ^2/NDF:68.8/54

Out: 0.023+/-0.009 χ^2/NDF:134.1/60

All: 0.009+/-0.006 χ^2/NDF: 208.1/115



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: 51.370+/-0.009 χ^2/NDF: 2419962.7/35

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

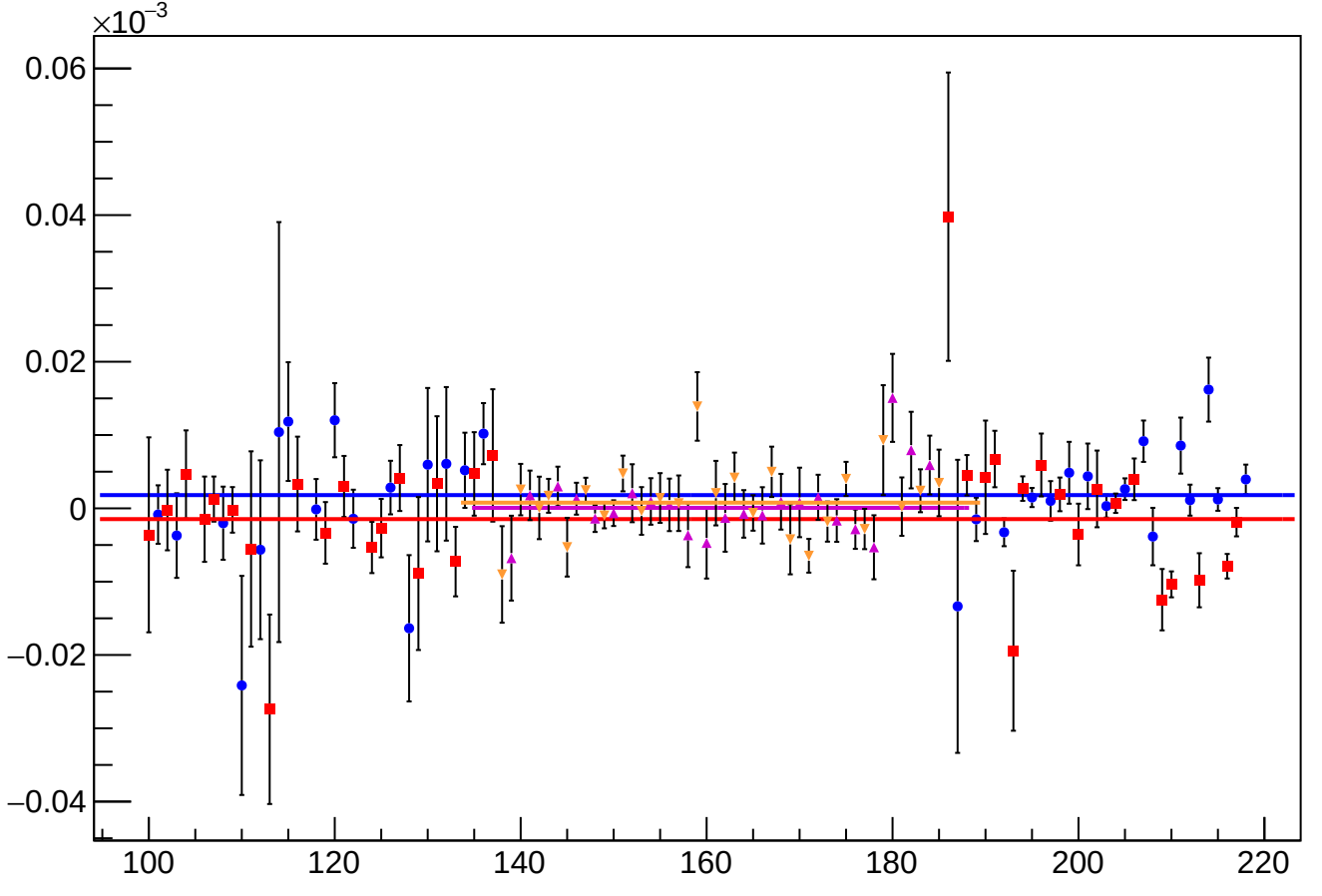
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 51.395+/-0.006 χ^2/NDF: 4295132.8/67

In: 51.916+/-0.006 χ^2/NDF:4440174.3/54

Out: 52.581+/-0.006 χ^2/NDF:5690754.8/60

All: 52.248+/-0.004 χ^2/NDF: 10136446.8/115



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: 102.9/35

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

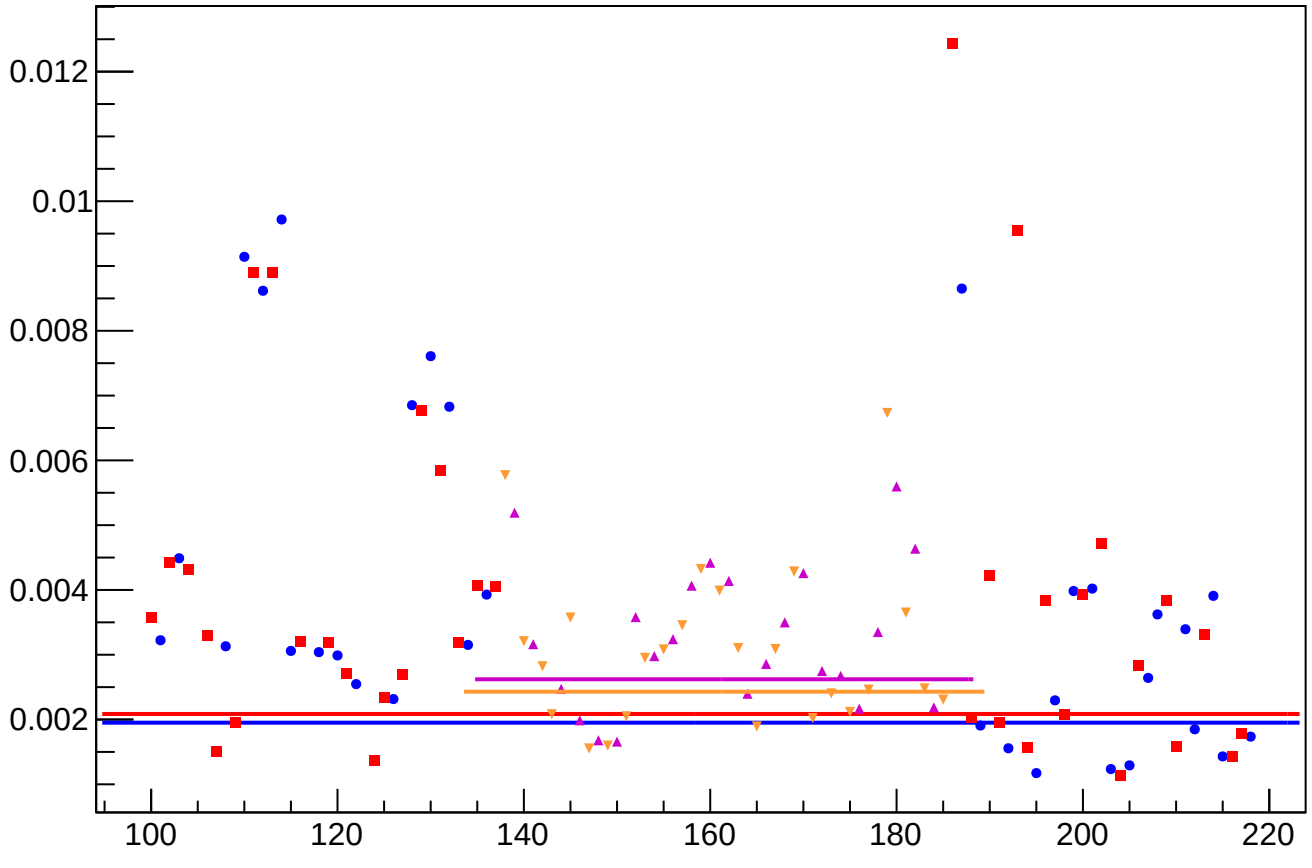
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 177.9/67

In: 0.000+/-0.000 χ^2/NDF:80.1/54

Out: -0.000+/-0.000 χ^2/NDF:148.9/60

All: 0.000+/-0.000 χ^2/NDF: 237.0/115



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: 8791166.1/35

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

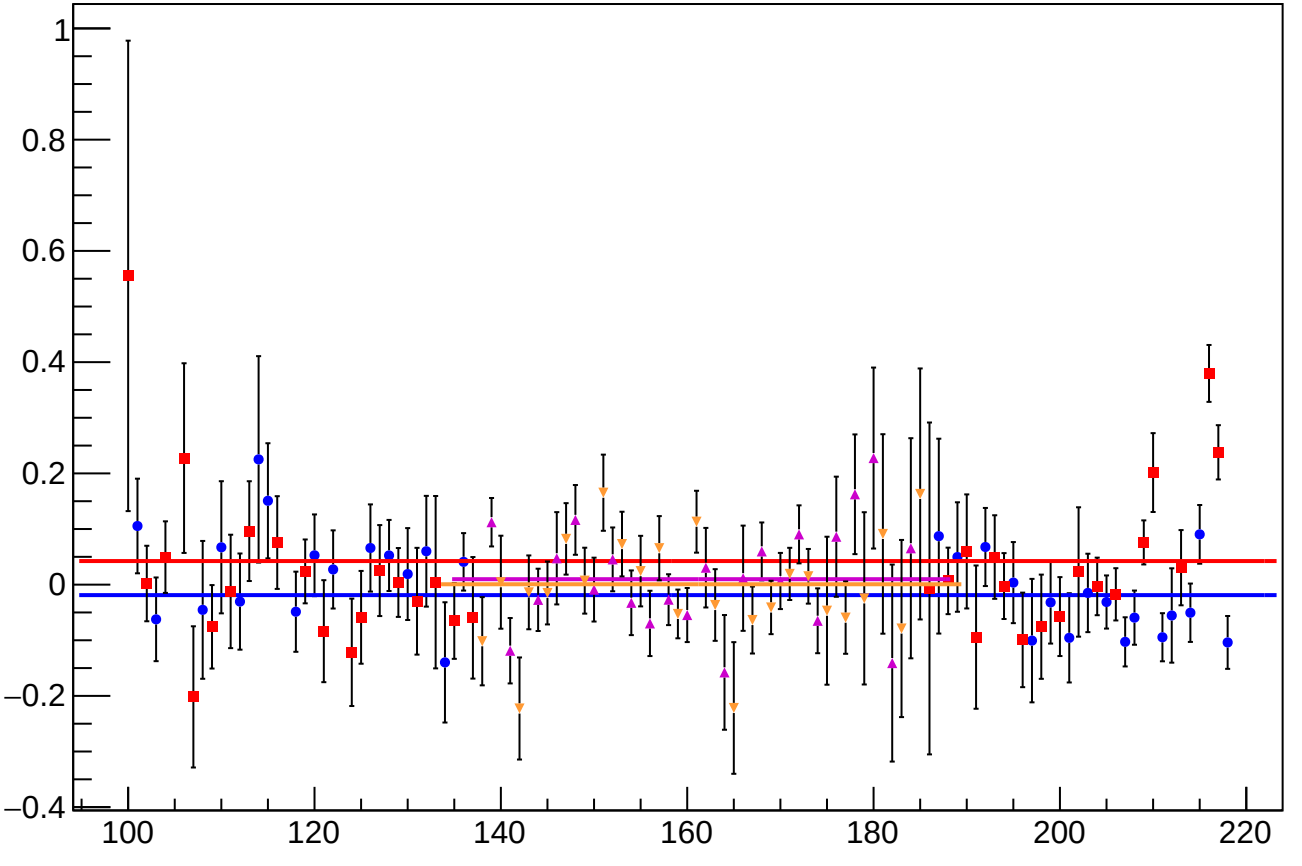
Right: 0.002+/-0.000 χ^2/NDF: 17342077.3/67

In: 0.002+/-0.000 χ^2/NDF:13725008.8/54

Out: 0.002+/-0.000 χ^2/NDF:13379910.9/60

All: 0.002+/-0.000 χ^2/NDF: 27114447.7/115

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: 0.042+/-0.012 χ^2/NDF: 97.0/35

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

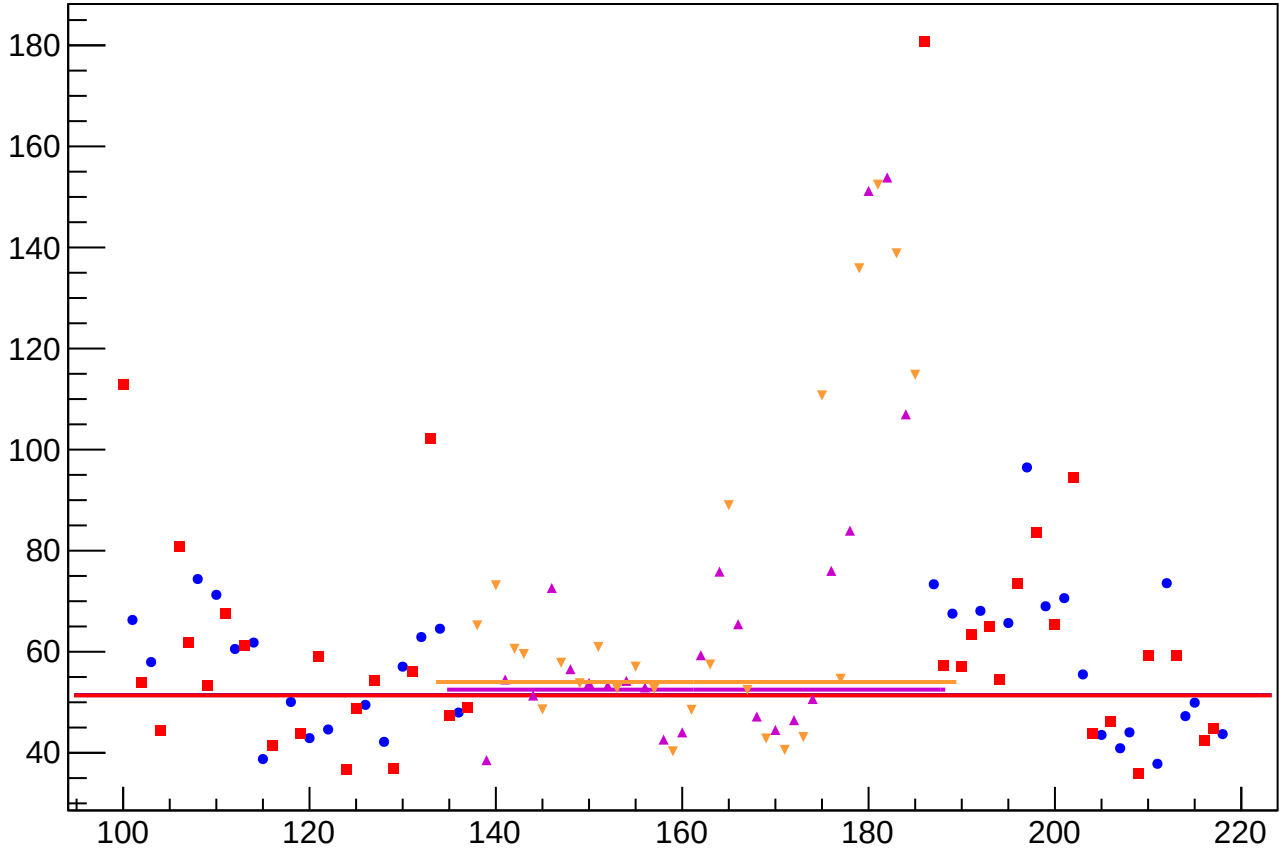
Right: 0.012+/-0.009 χ^2/NDF: 144.0/67

In: -0.006+/-0.009 χ^2/NDF:68.8/54

Out: 0.023+/-0.009 χ^2/NDF:134.1/60

All: 0.009+/-0.006 χ^2/NDF: 208.1/115

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: 51.370+/-0.009 χ^2/NDF: 2419891.9/35

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

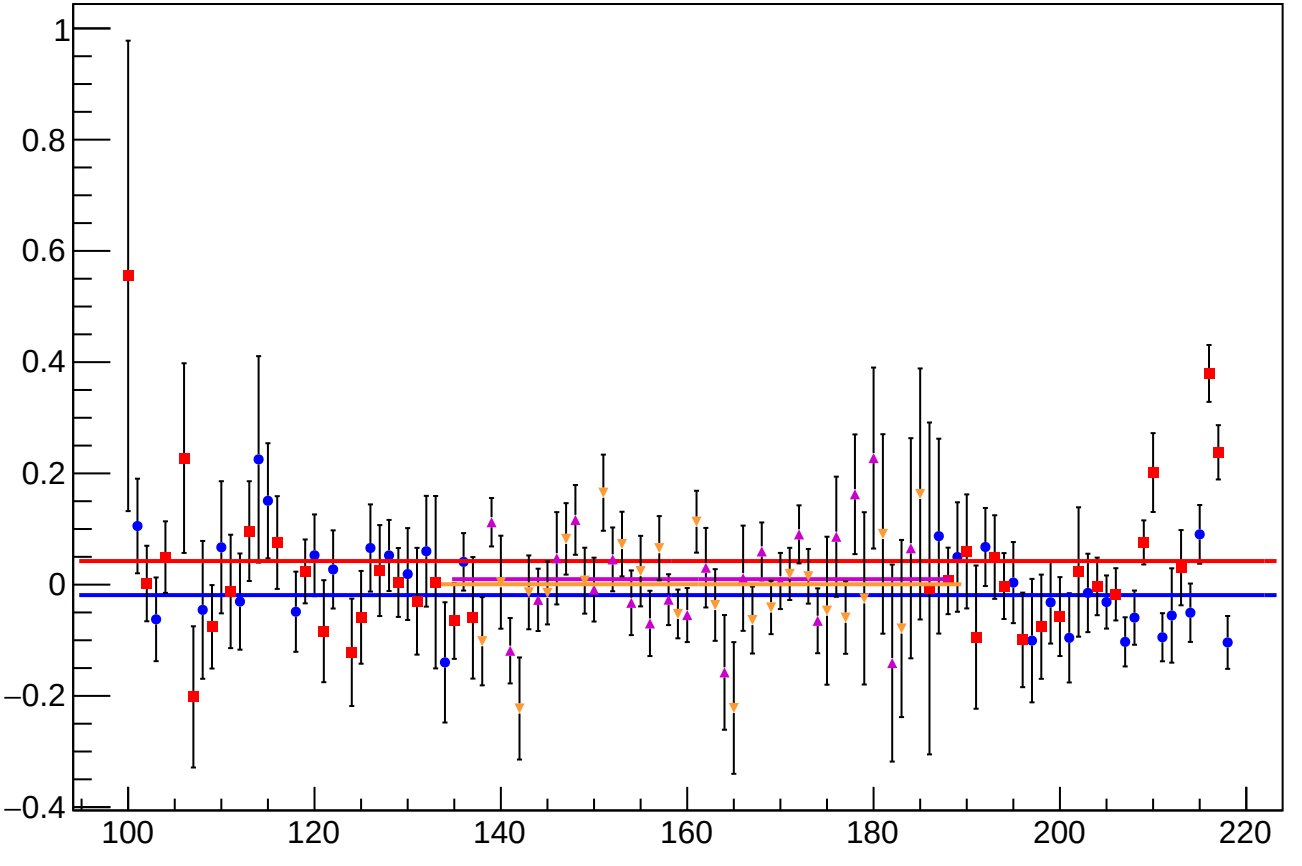
Right: 51.395+/-0.006 χ^2/NDF: 4294965.7/67

In: 51.916+/-0.006 χ^2/NDF:4440130.4/54

Out: 52.581+/-0.006 χ^2/NDF:5690723.9/60

All: 52.248+/-0.004 χ^2/NDF: 10136374.0/115

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: 0.042+/-0.012 χ^2/NDF: 97.0/35

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

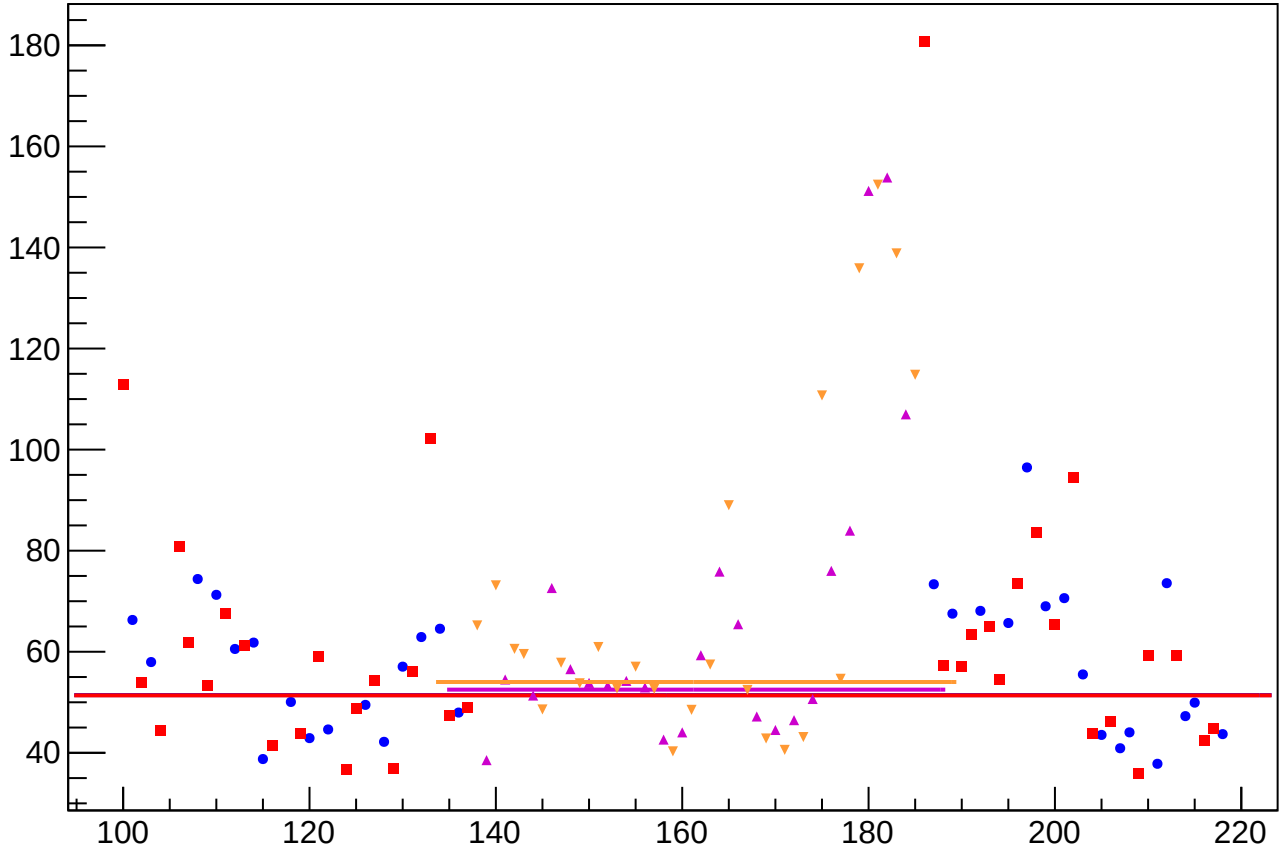
Right: 0.012+/-0.009 χ^2/NDF: 144.0/67

In: -0.006+/-0.009 χ^2/NDF:68.8/54

Out: 0.023+/-0.009 χ^2/NDF:134.1/60

All: 0.009+/-0.006 χ^2/NDF: 208.1/115

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: 51.370+/-0.009 χ^2/NDF: 2419891.9/35

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

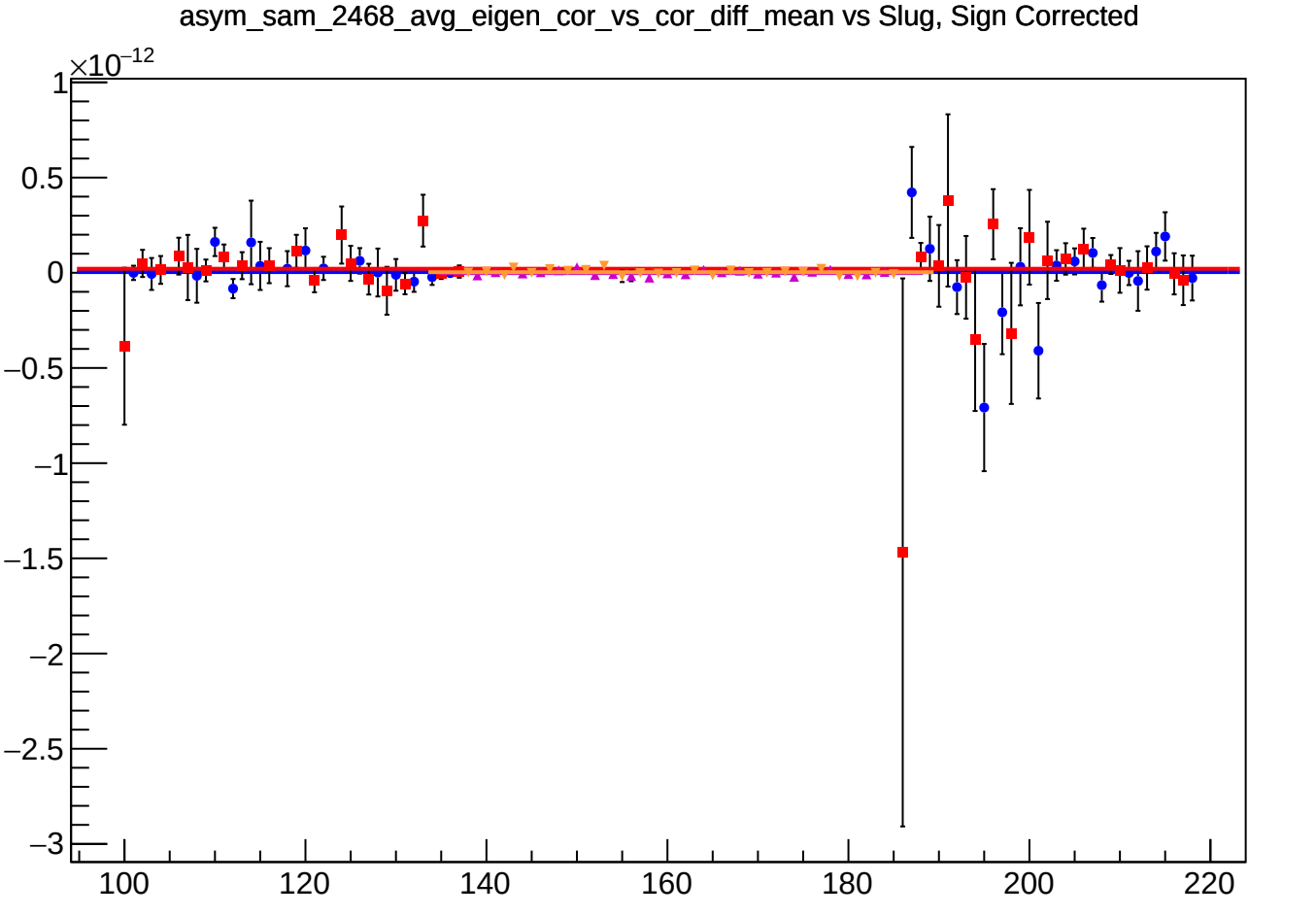
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 51.395+/-0.006 χ^2/NDF: 4294965.7/67

In: 51.916+/-0.006 χ^2/NDF:4440130.4/54

Out: 52.581+/-0.006 χ^2/NDF:5690723.9/60

All: 52.248+/-0.004 χ^2/NDF: 10136374.0/115



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: 22.3/35

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

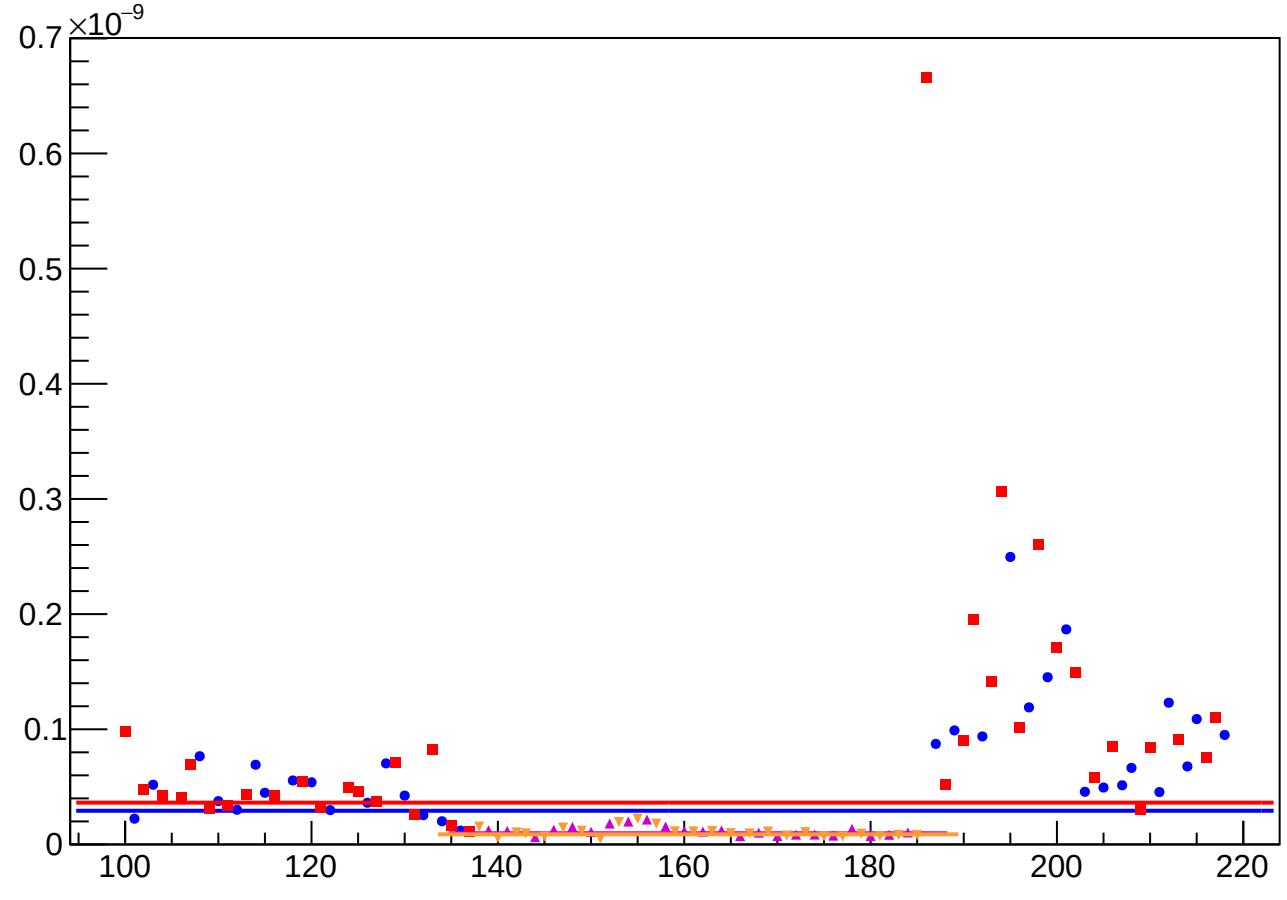
Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

Right: 0.000+/-0.000 χ^2/NDF: 53.6/67

In: -0.000+/-0.000 χ^2/NDF:45.7/54

Out: 0.000+/-0.000 χ^2/NDF:46.1/60

All: 0.000+/-0.000 χ^2/NDF: 93.5/115



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: 9872059.8/35

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

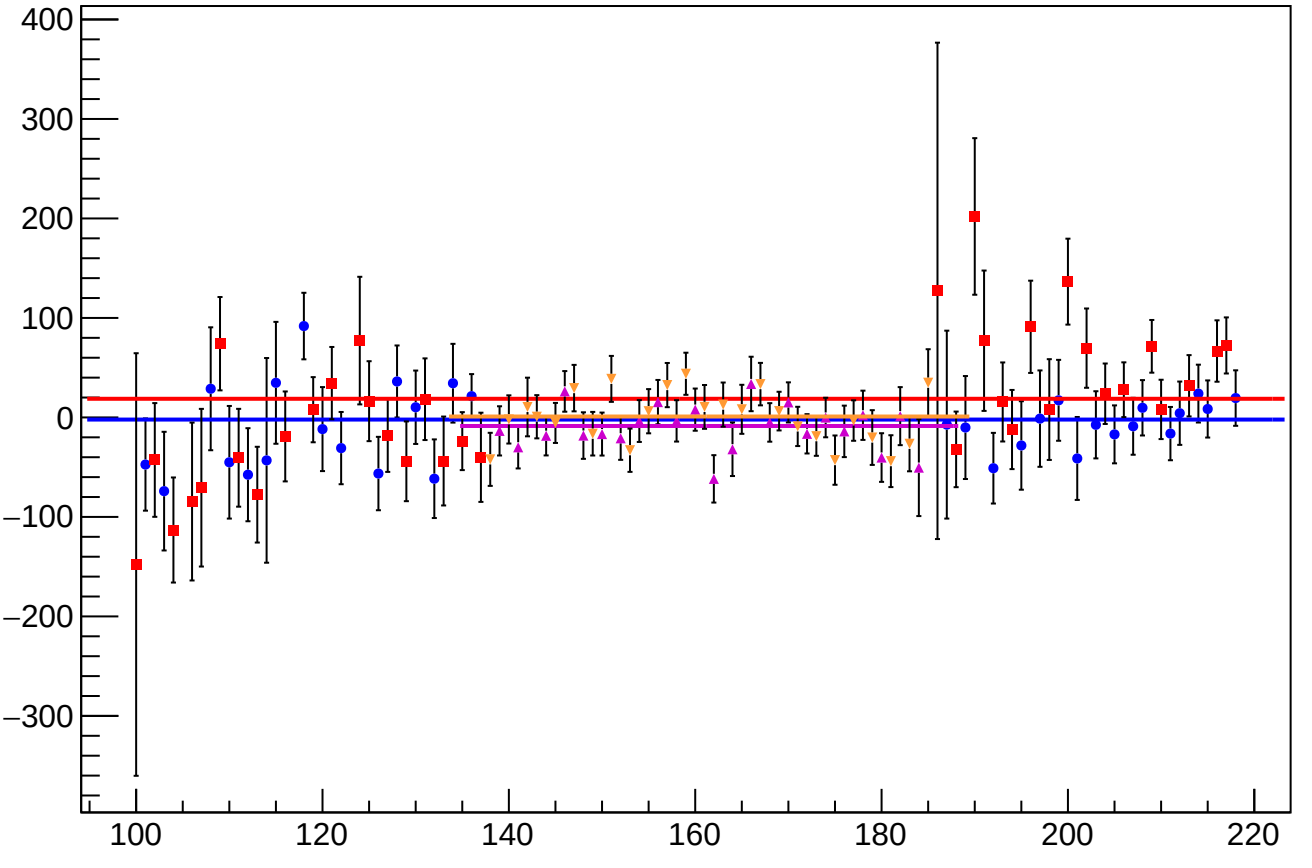
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 20416212.6/67

In: 0.000+/-0.000 χ^2/NDF:18453320.2/54

Out: 0.000+/-0.000 χ^2/NDF:21122746.3/60

All: 0.000+/-0.000 χ^2/NDF: 39734925.3/115



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: 18.742+/-6.718 χ^2/NDF: 59.7/35

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

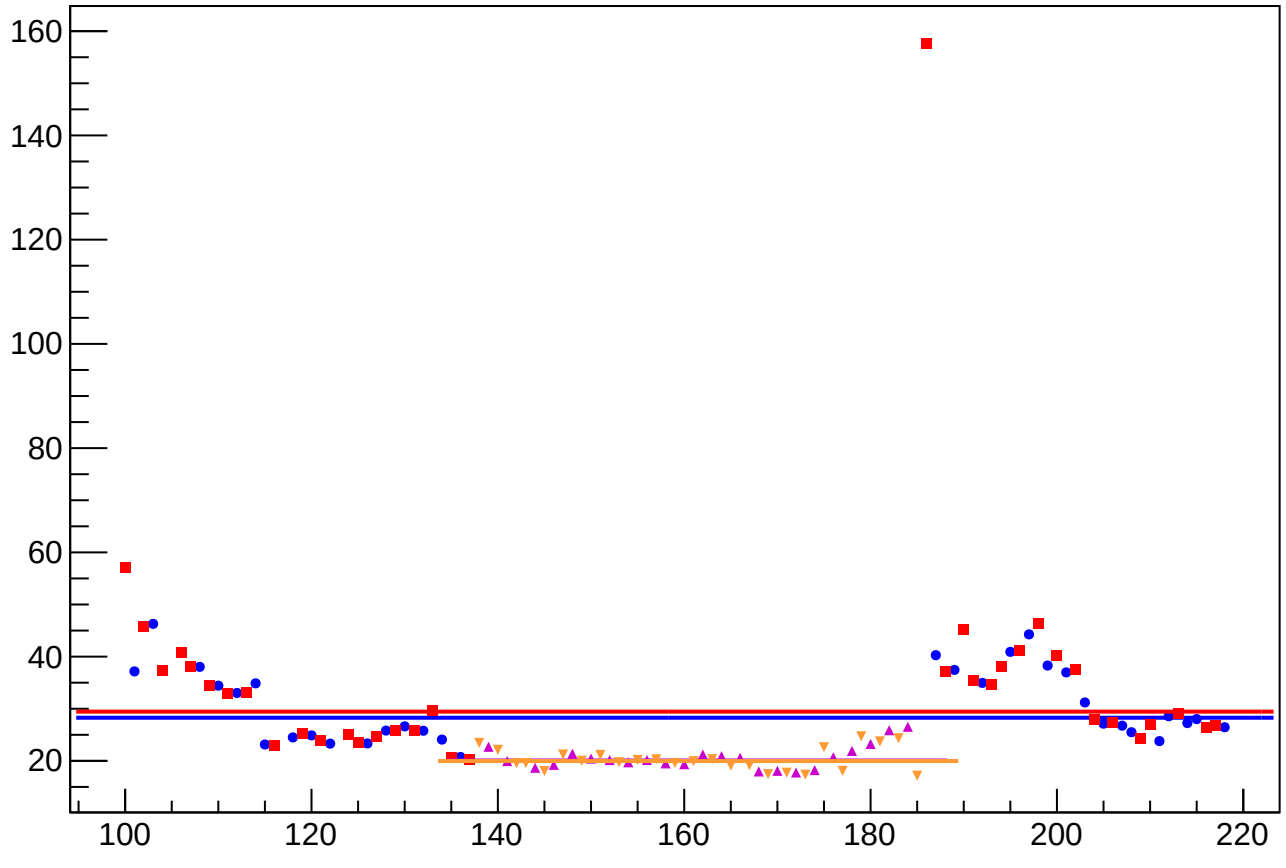
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: 7.898+/-4.658 χ^2/NDF: 91.8/67

In: -6.353+/-3.814 χ^2/NDF:47.1/54

Out: 6.563+/-3.781 χ^2/NDF:93.7/60

All: 0.161+/-2.685 χ^2/NDF: 146.6/115



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: 29.447+/-0.005 χ^2/NDF: 2389652.3/35

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

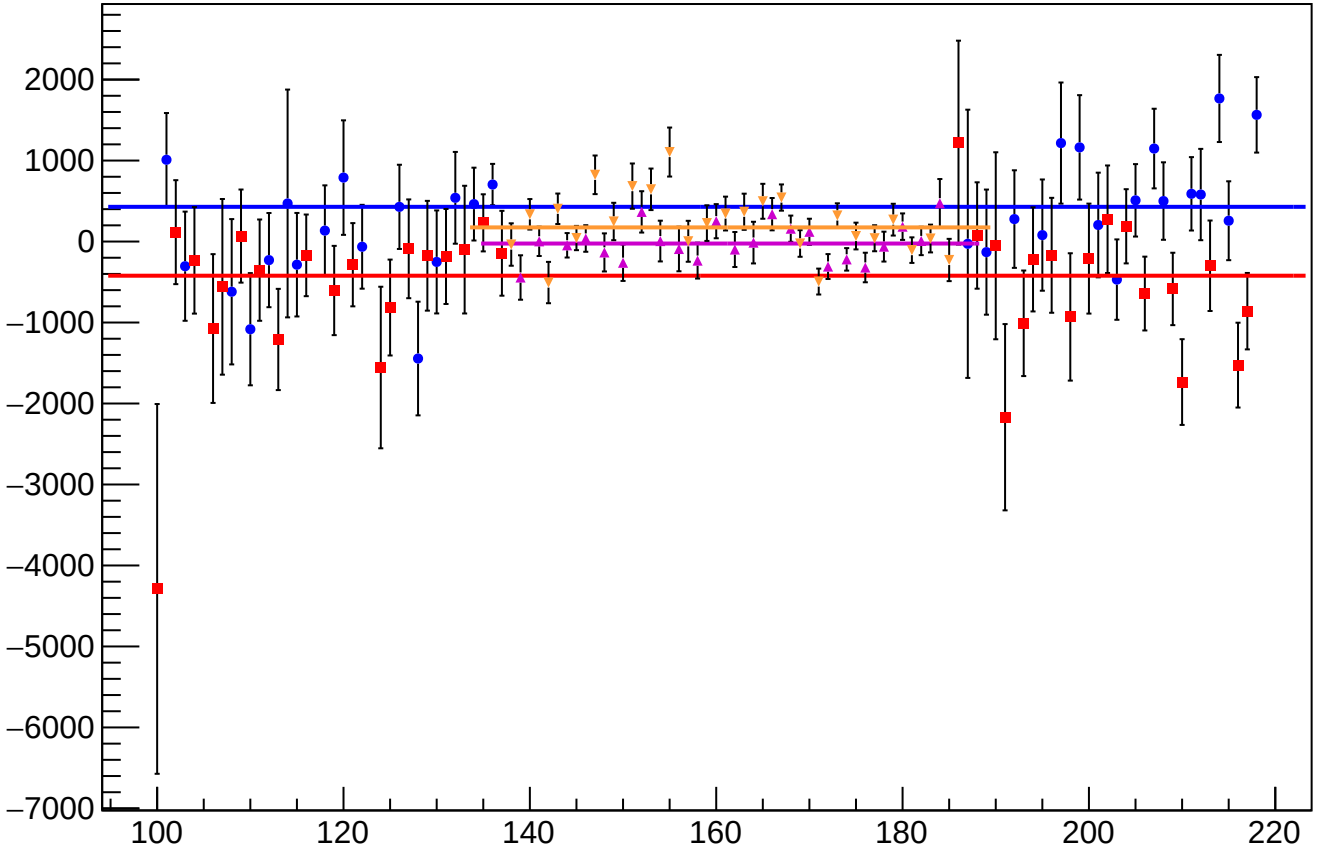
Right: 28.839+/-0.003 χ^2/NDF: 4045667.0/67

In: 22.928+/-0.003 χ^2/NDF:4025735.8/54

Out: 22.971+/-0.003 χ^2/NDF:5496924.1/60

All: 22.950+/-0.002 χ^2/NDF: 9522789.7/115

asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected



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: -421.859+/-101.113 χ^2/NDF: 34.1/35

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

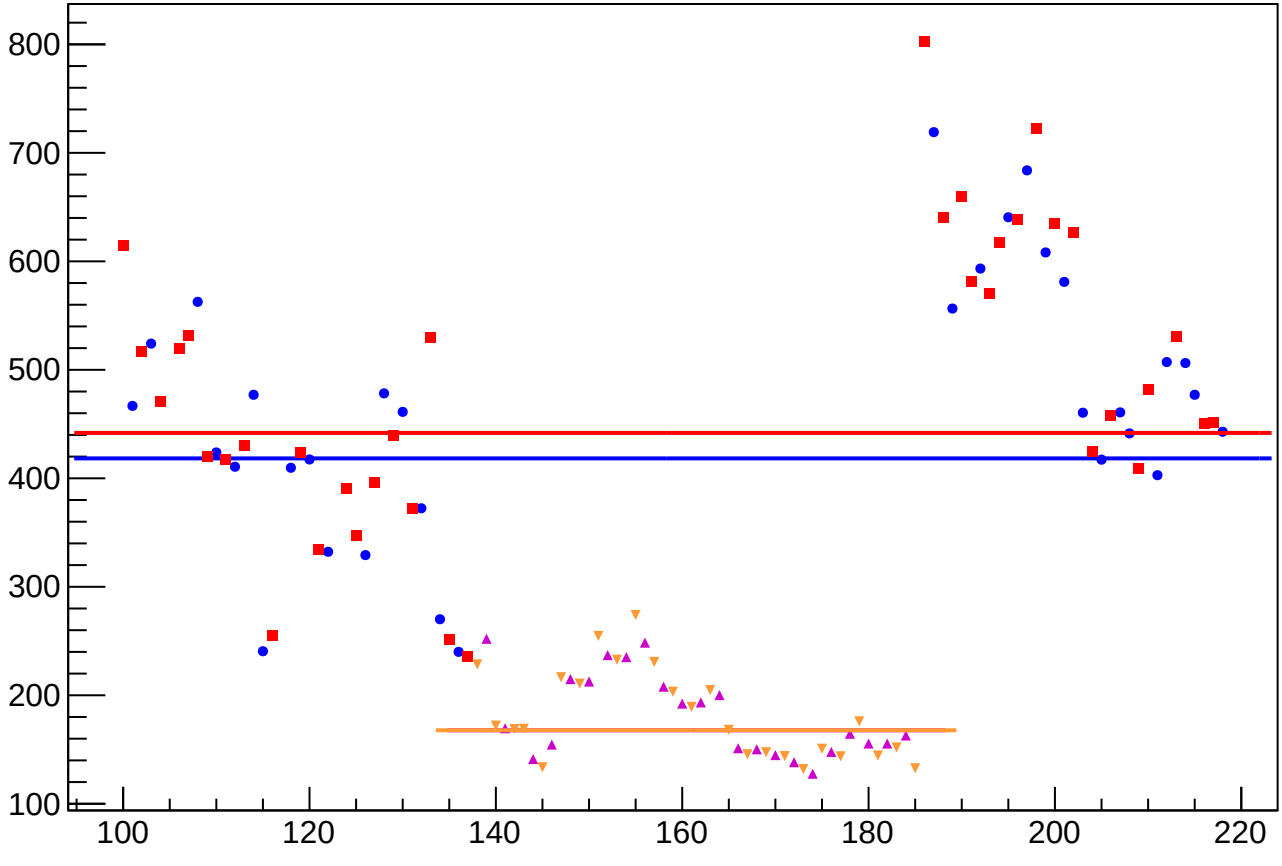
Right: 21.138+/-69.990 χ^2/NDF: 114.1/67

In: 41.506+/-37.033 χ^2/NDF:88.7/54

Out: 97.267+/-36.427 χ^2/NDF:135.6/60

All: 69.847+/-25.970 χ^2/NDF: 225.5/115

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: 441.867+/-0.071 χ^2/NDF: 2933010.3/35

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

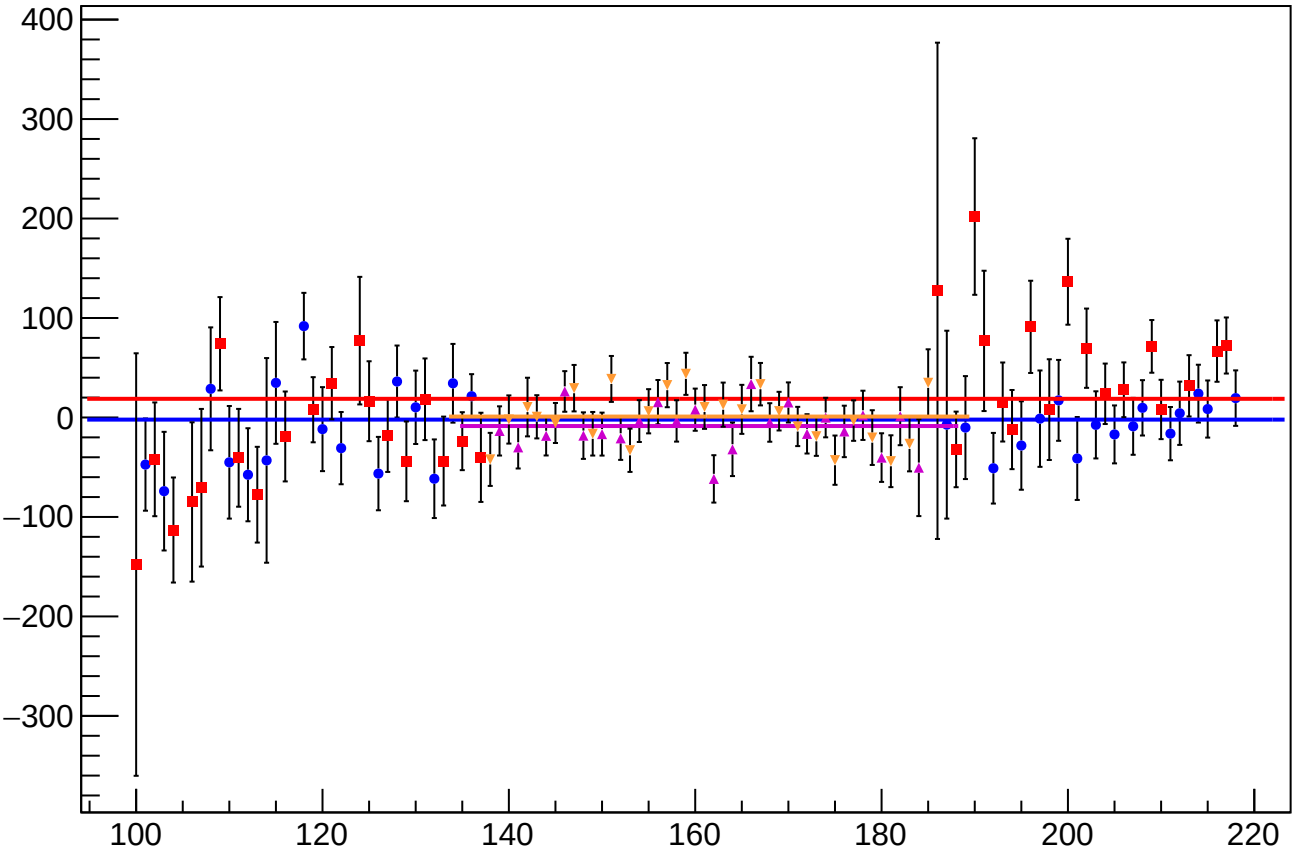
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 429.621+/-0.049 χ^2/NDF: 5841699.4/67

In: 204.295+/-0.026 χ^2/NDF:15663971.8/54

Out: 203.331+/-0.026 χ^2/NDF:17302185.7/60

All: 203.805+/-0.018 χ^2/NDF: 32966845.9/1



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: 18.762+/-6.718 χ^2/NDF: 59.6/35

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

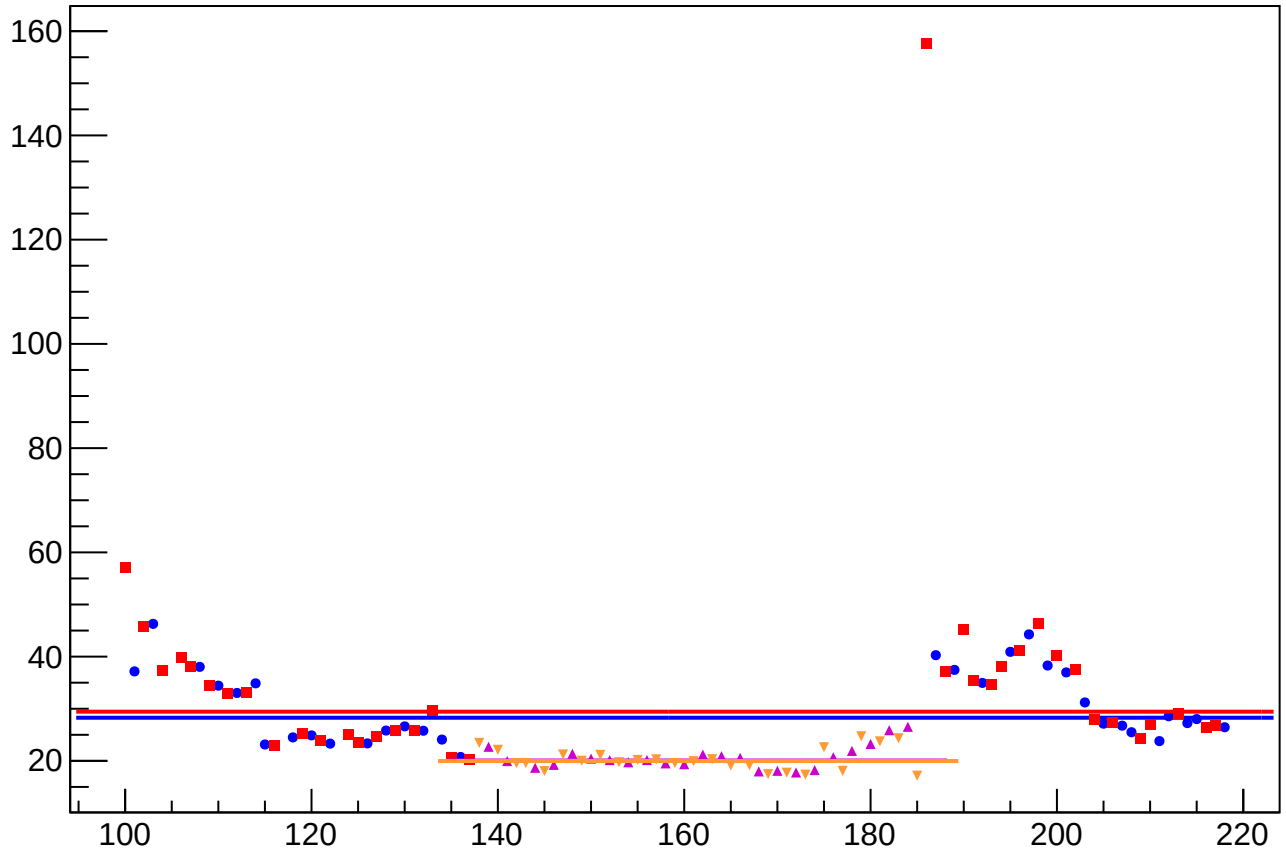
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 7.908+/-4.658 χ^2/NDF: 91.8/67

In: -6.353+/-3.814 χ^2/NDF:47.1/54

Out: 6.568+/-3.781 χ^2/NDF:93.7/60

All: 0.164+/-2.685 χ^2/NDF: 146.6/115



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: 29.438+/-0.005 χ^2/NDF: 2381793.2/35

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

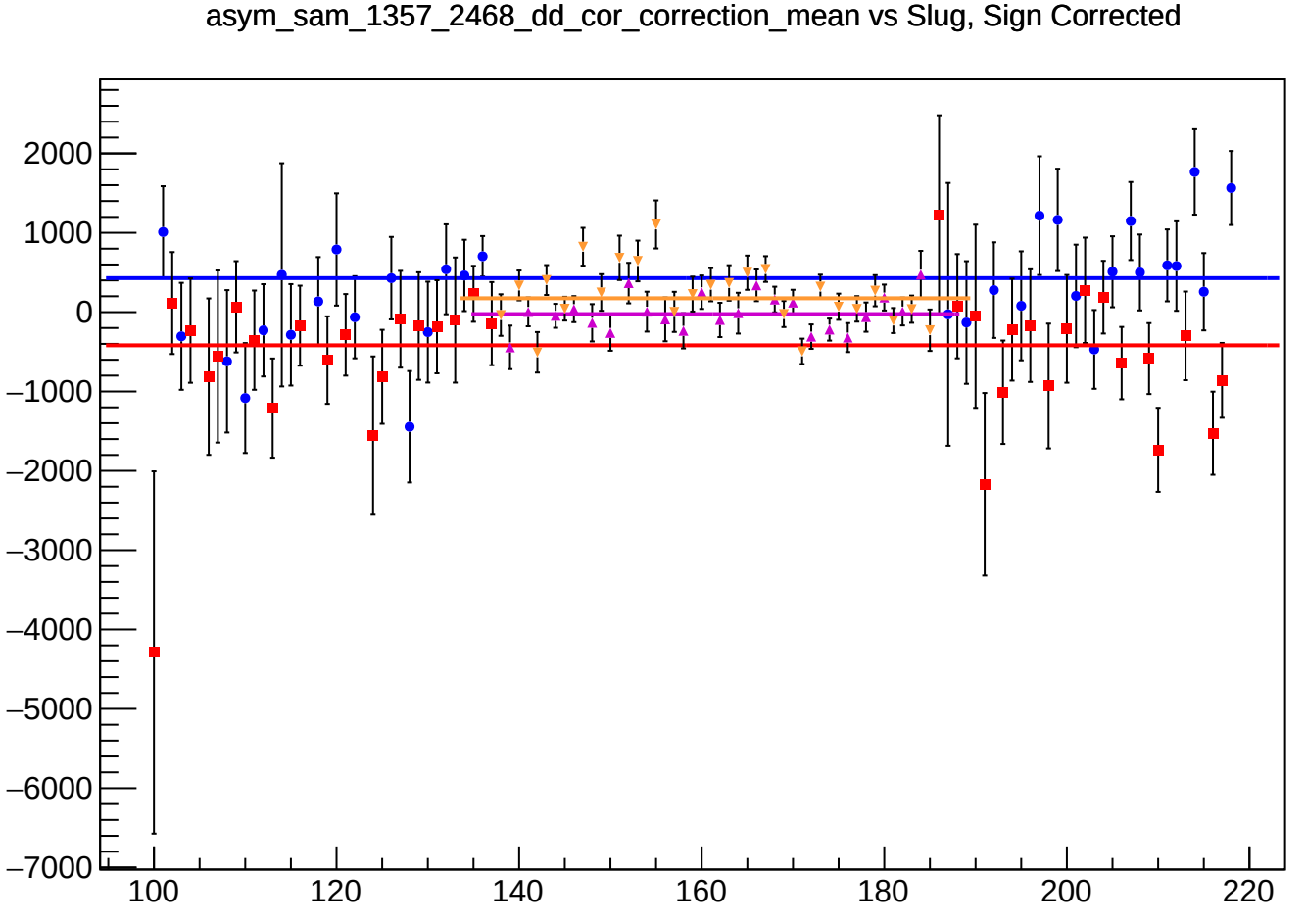
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 28.834+/-0.003 χ^2/NDF: 4037322.8/67

In: 22.928+/-0.003 χ^2/NDF:4025739.2/54

Out: 22.968+/-0.003 χ^2/NDF:5483607.7/60

All: 22.948+/-0.002 χ^2/NDF: 9509458.4/115



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: -418.115+/-101.195 χ^2/NDF: 33.8/35

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

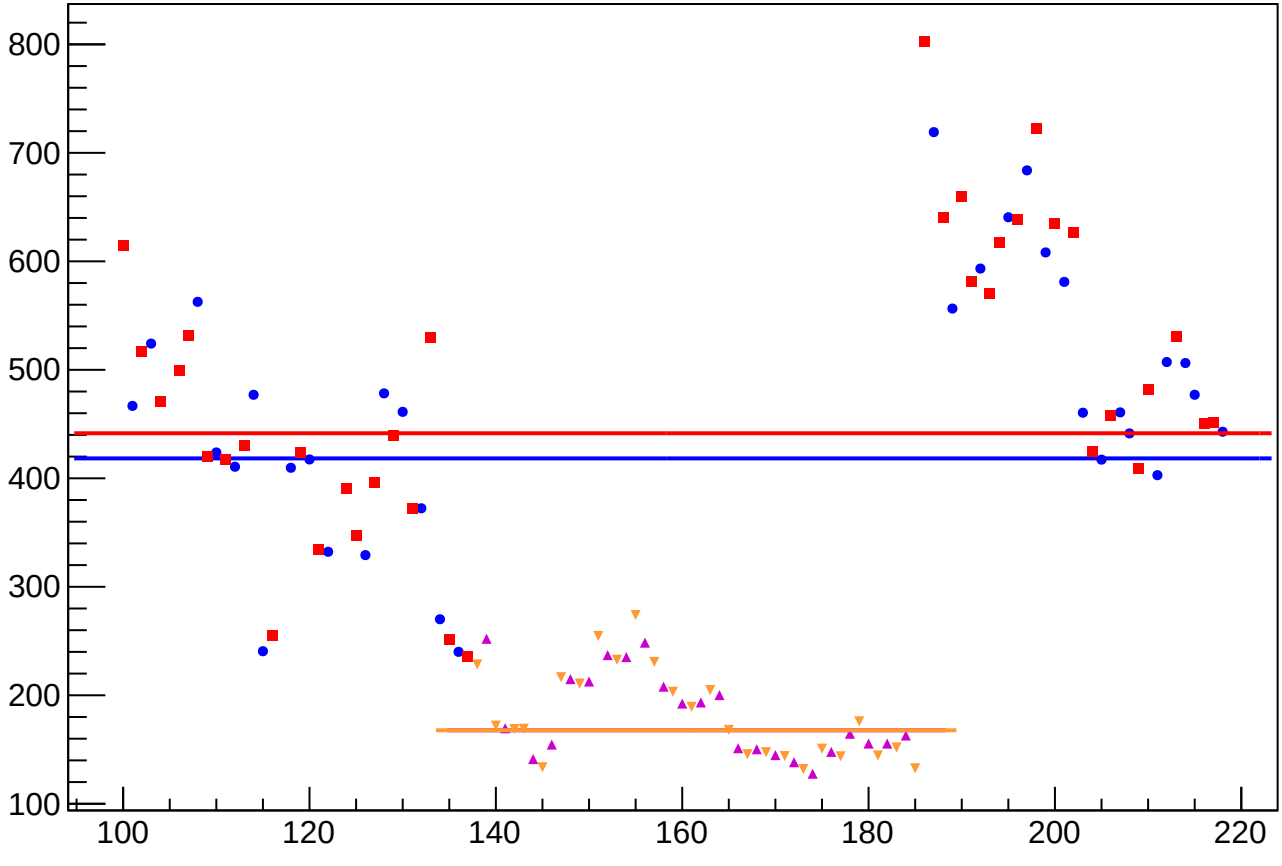
Right: 23.272+/-70.017 χ^2/NDF: 113.4/67

In: 41.505+/-37.033 χ^2/NDF:88.7/54

Out: 97.860+/-36.431 χ^2/NDF:134.9/60

All: 70.145+/-25.971 χ^2/NDF: 224.7/115

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: 441.533+/-0.072 χ^2/NDF: 2925560.9/35

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

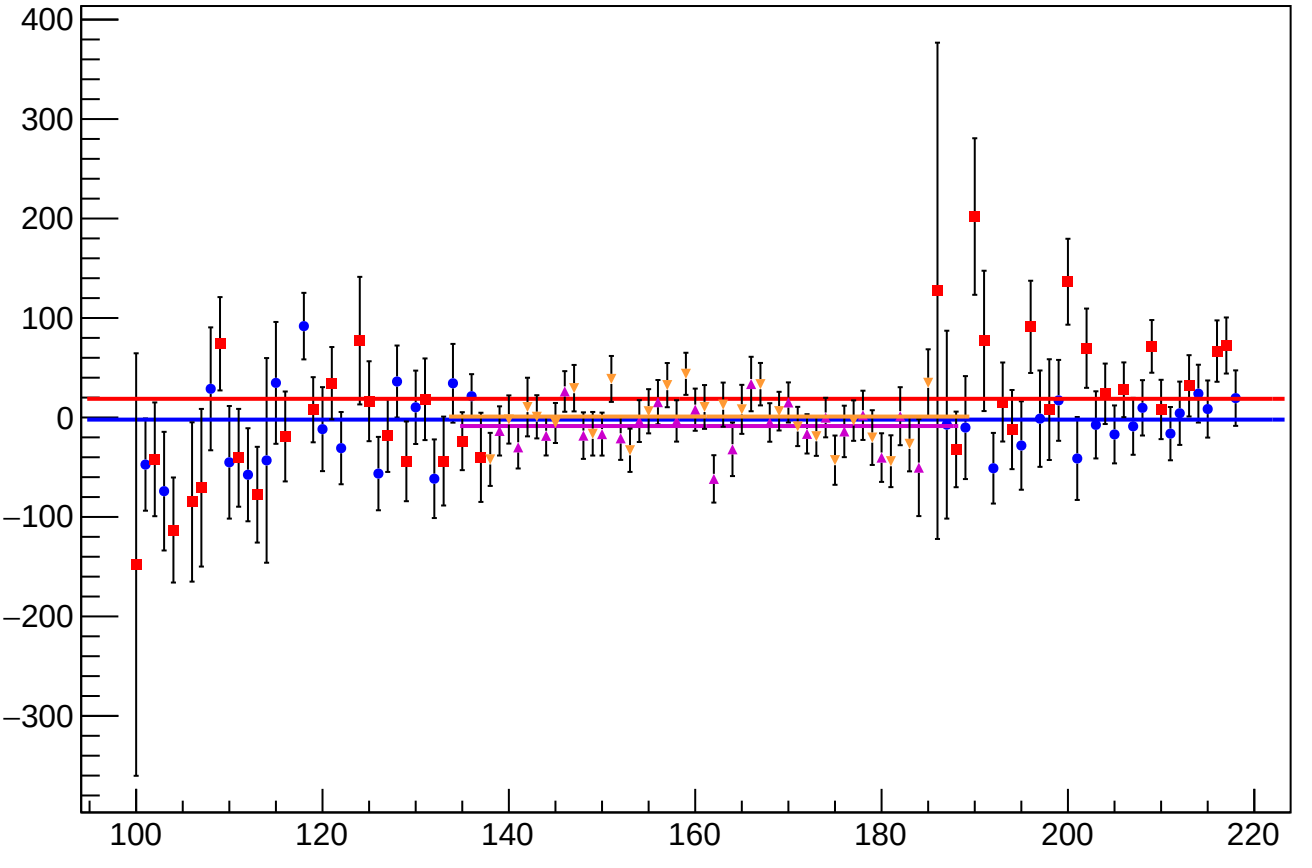
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 429.452+/-0.050 χ^2/NDF: 5832636.3/67

In: 204.295+/-0.026 χ^2/NDF:15663982.5/54

Out: 203.237+/-0.026 χ^2/NDF:17245573.1/60

All: 203.757+/-0.018 χ^2/NDF: 32910384.2/11



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: 18.762+/-6.718 χ^2/NDF: 59.6/35

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

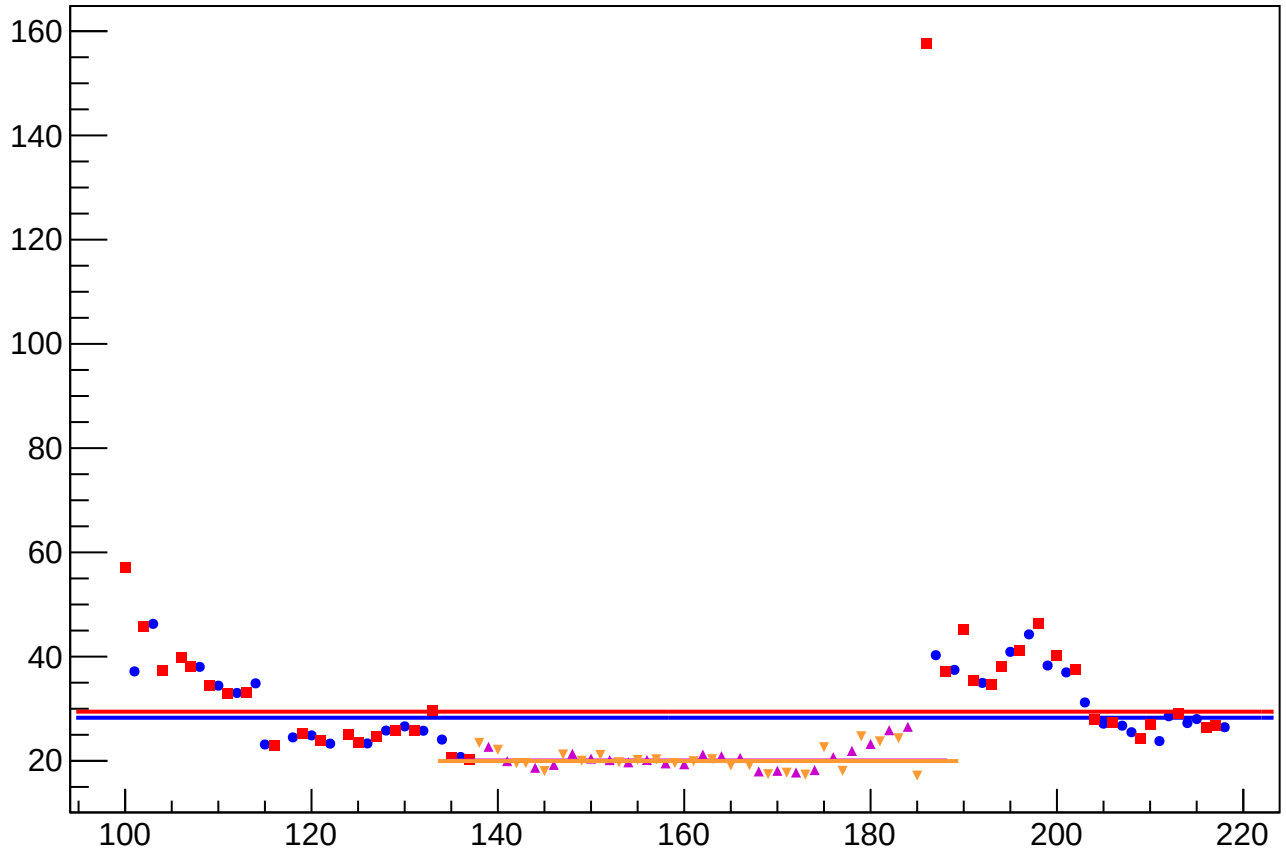
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 7.908+/-4.658 χ^2/NDF: 91.8/67

In: -6.353+/-3.814 χ^2/NDF:47.1/54

Out: 6.568+/-3.781 χ^2/NDF:93.7/60

All: 0.164+/-2.685 χ^2/NDF: 146.6/115



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: 29.438+/-0.005 χ^2/NDF: 2381793.2/35

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

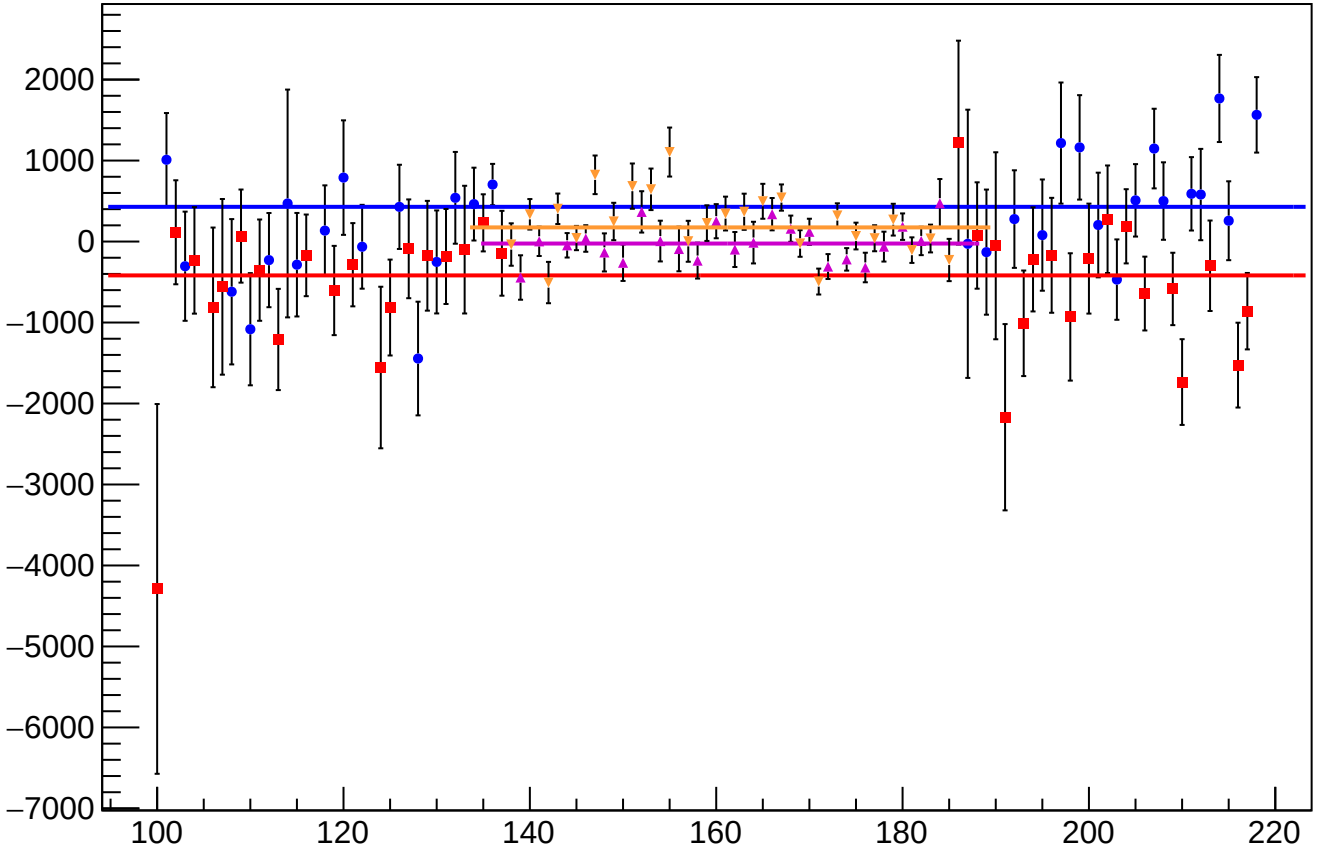
Right: 28.834+/-0.003 χ^2/NDF: 4037322.8/67

In: 22.928+/-0.003 χ^2/NDF:4025739.2/54

Out: 22.968+/-0.003 χ^2/NDF:5483607.7/60

All: 22.948+/-0.002 χ^2/NDF: 9509458.4/115

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: -418.115+/-101.195 χ^2/NDF: 33.8/35

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

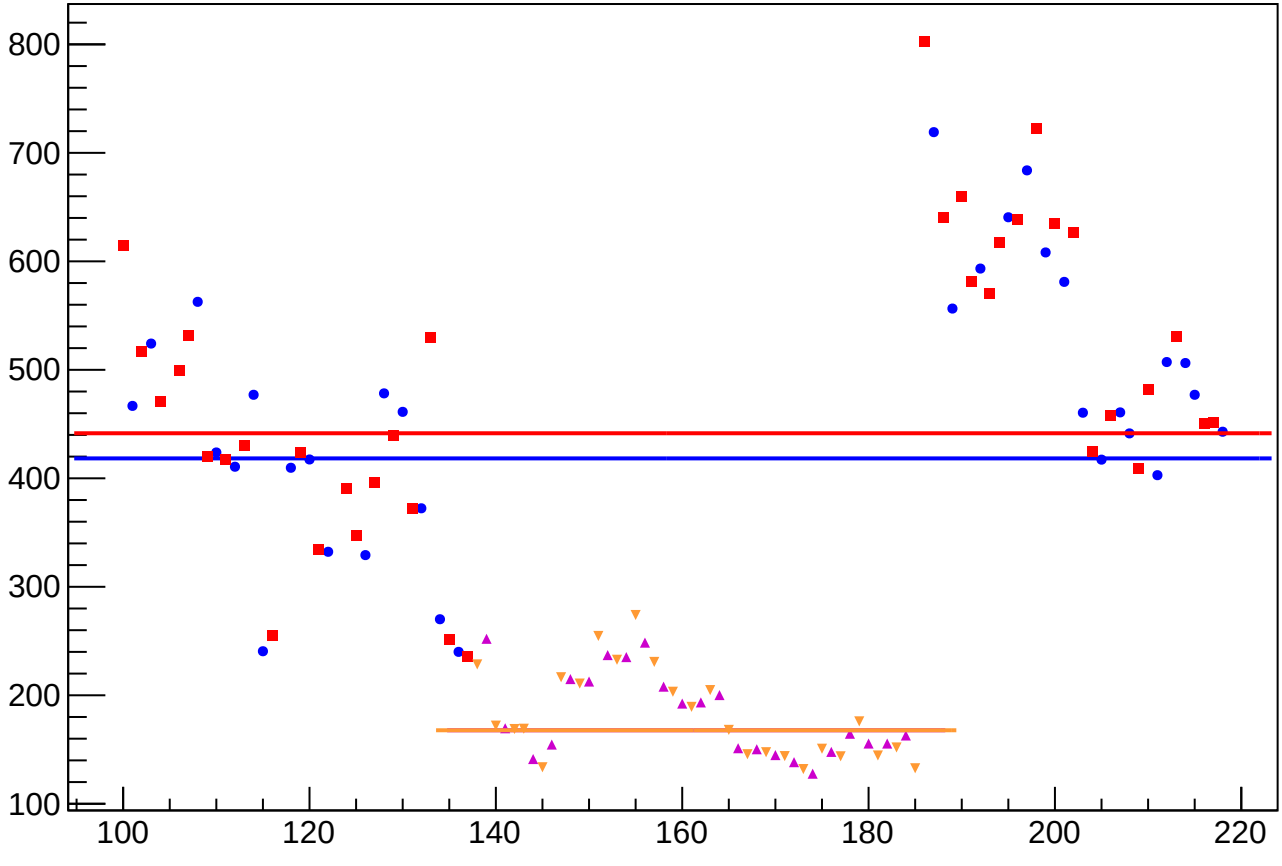
Right: 23.272+/-70.017 χ^2/NDF: 113.4/67

In: 41.505+/-37.033 χ^2/NDF:88.7/54

Out: 97.860+/-36.431 χ^2/NDF:134.9/60

All: 70.145+/-25.971 χ^2/NDF: 224.7/115

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: 441.533+/-0.072 χ^2/NDF: 2925560.9/35

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

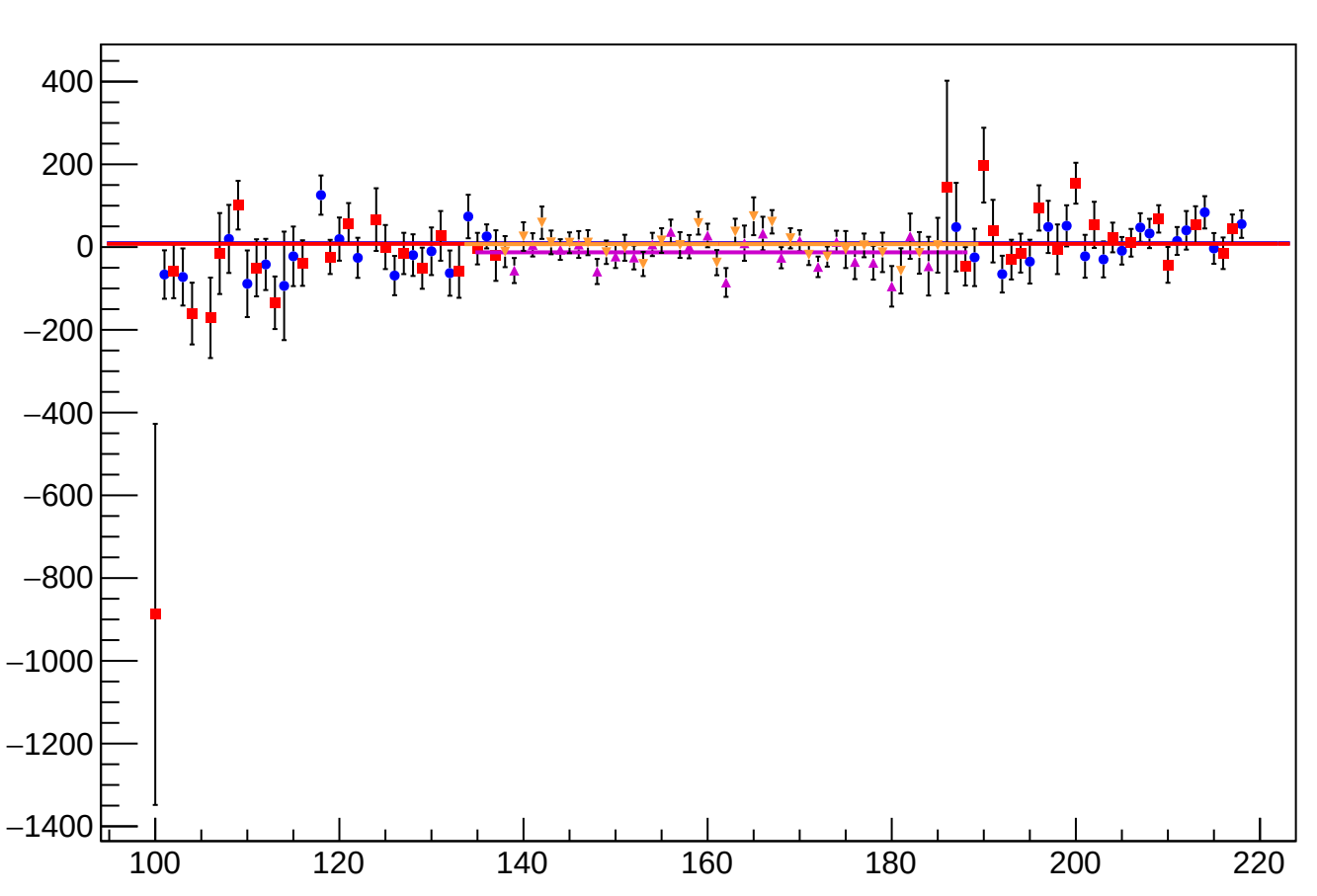
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 429.452+/-0.050 χ^2/NDF: 5832636.3/67

In: 204.295+/-0.026 χ^2/NDF:15663982.5/54

Out: 203.237+/-0.026 χ^2/NDF:17245573.1/60

All: 203.757+/-0.018 χ^2/NDF: 32910384.2/11



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: 7.849+/-8.570 χ^2/NDF: 54.0/35

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

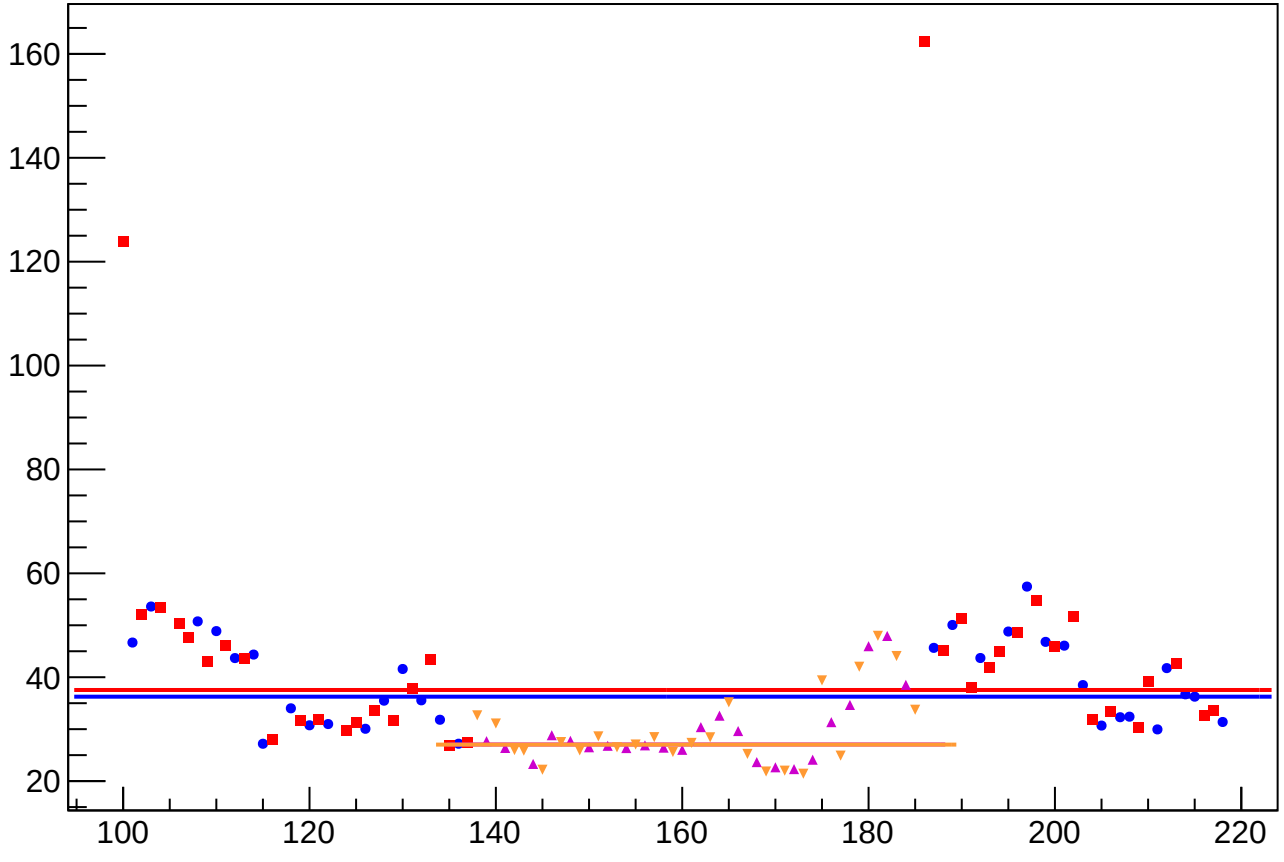
Right: 8.647+/-5.969 χ^2/NDF: 87.7/67

In: -4.298+/-5.128 χ^2/NDF:63.7/54

Out: 7.351+/-5.093 χ^2/NDF:76.7/60

All: 1.566+/-3.614 χ^2/NDF: 143.0/115

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: 37.542+/-0.006 χ^2/NDF: 2162024.1/35

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

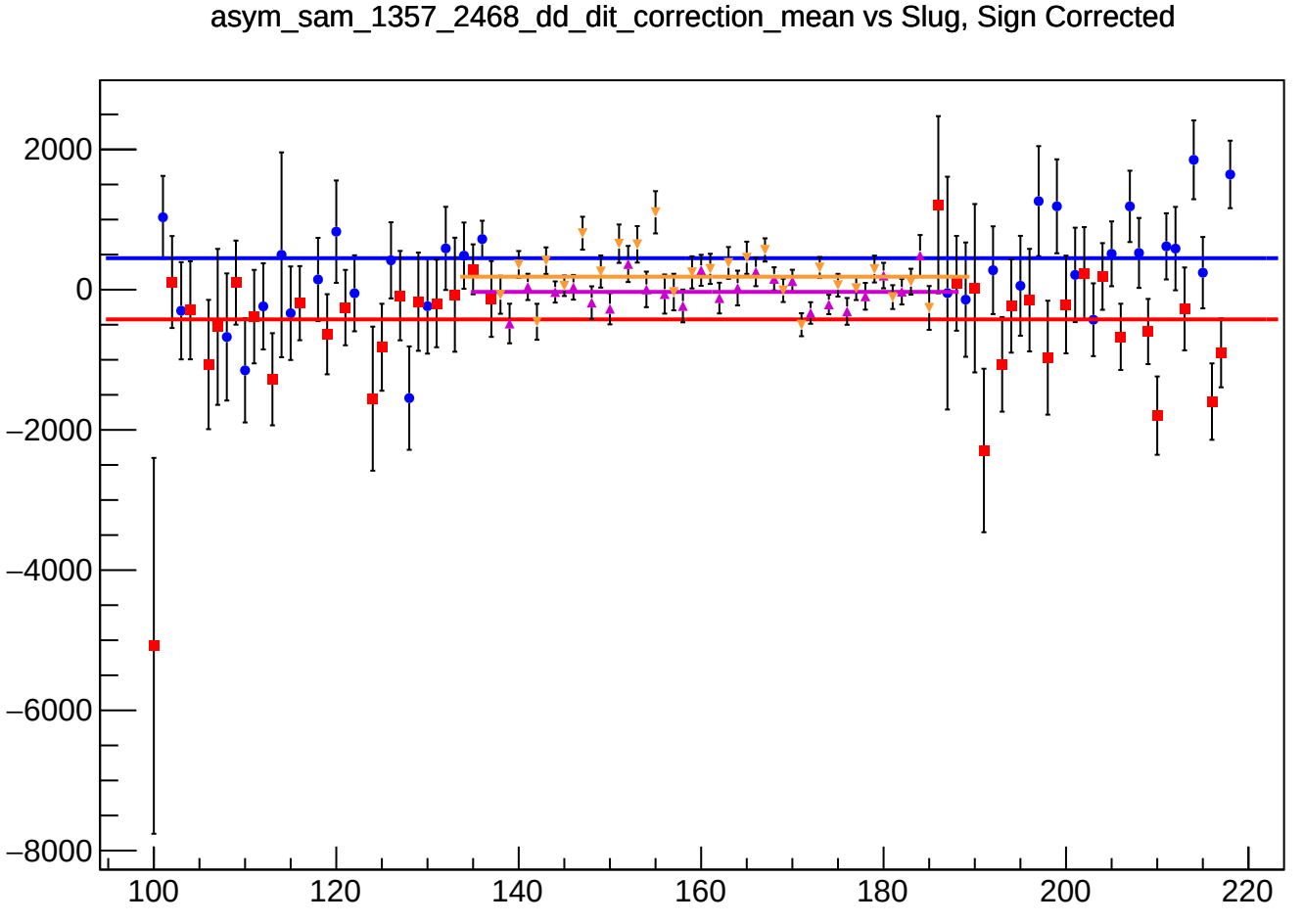
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 36.879+/-0.004 χ^2/NDF: 3767716.1/67

In: 30.550+/-0.004 χ^2/NDF:4144128.0/54

Out: 30.740+/-0.004 χ^2/NDF:5540075.7/60

All: 30.646+/-0.003 χ^2/NDF: 9685593.1/115



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: -424.063+/-104.864 χ^2/NDF: 35.2/35

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

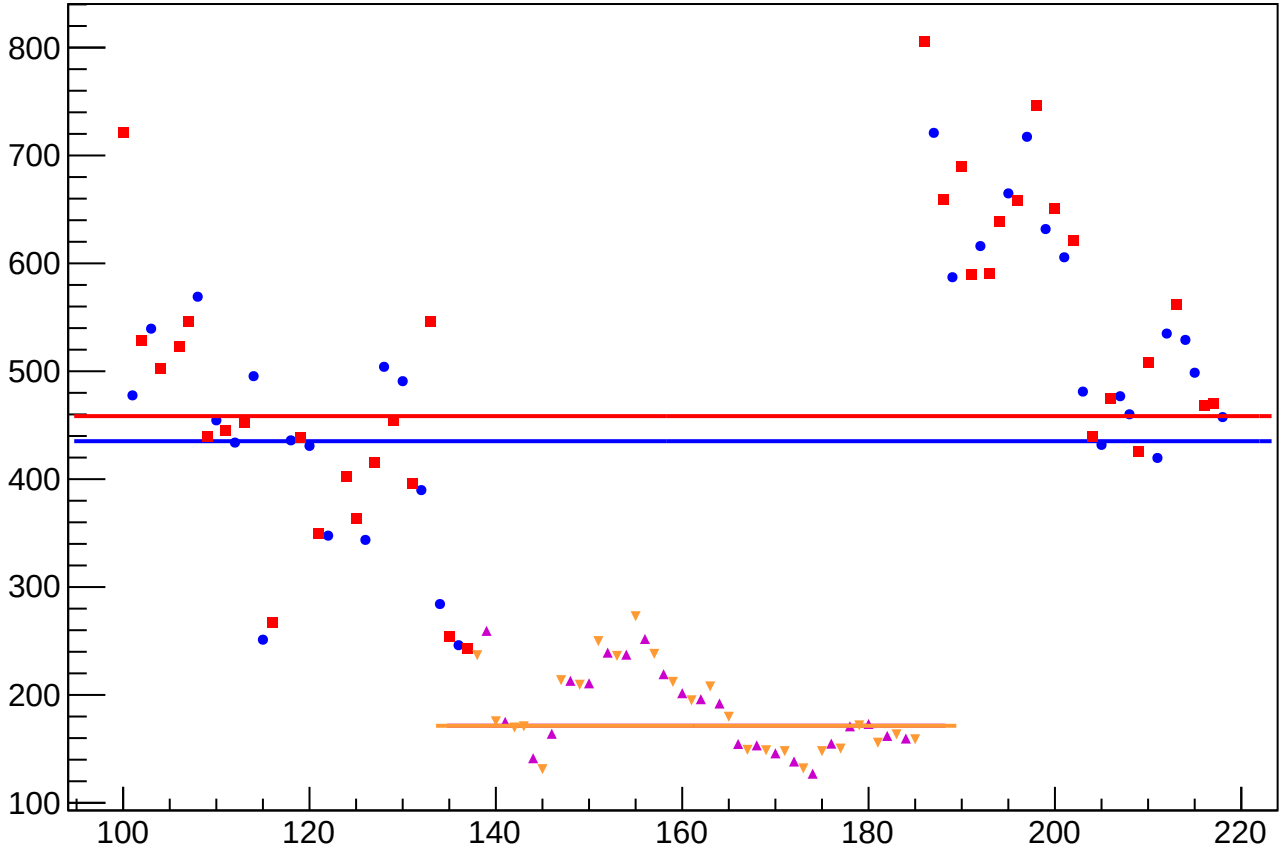
Right: 29.225+/-72.715 χ^2/NDF: 114.1/67

In: 36.172+/-37.965 χ^2/NDF:88.9/54

Out: 107.919+/-37.236 χ^2/NDF:132.3/60

All: 72.741+/-26.584 χ^2/NDF: 223.0/115

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: 458.420+/-0.074 χ^2/NDF: 2921219.7/35

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

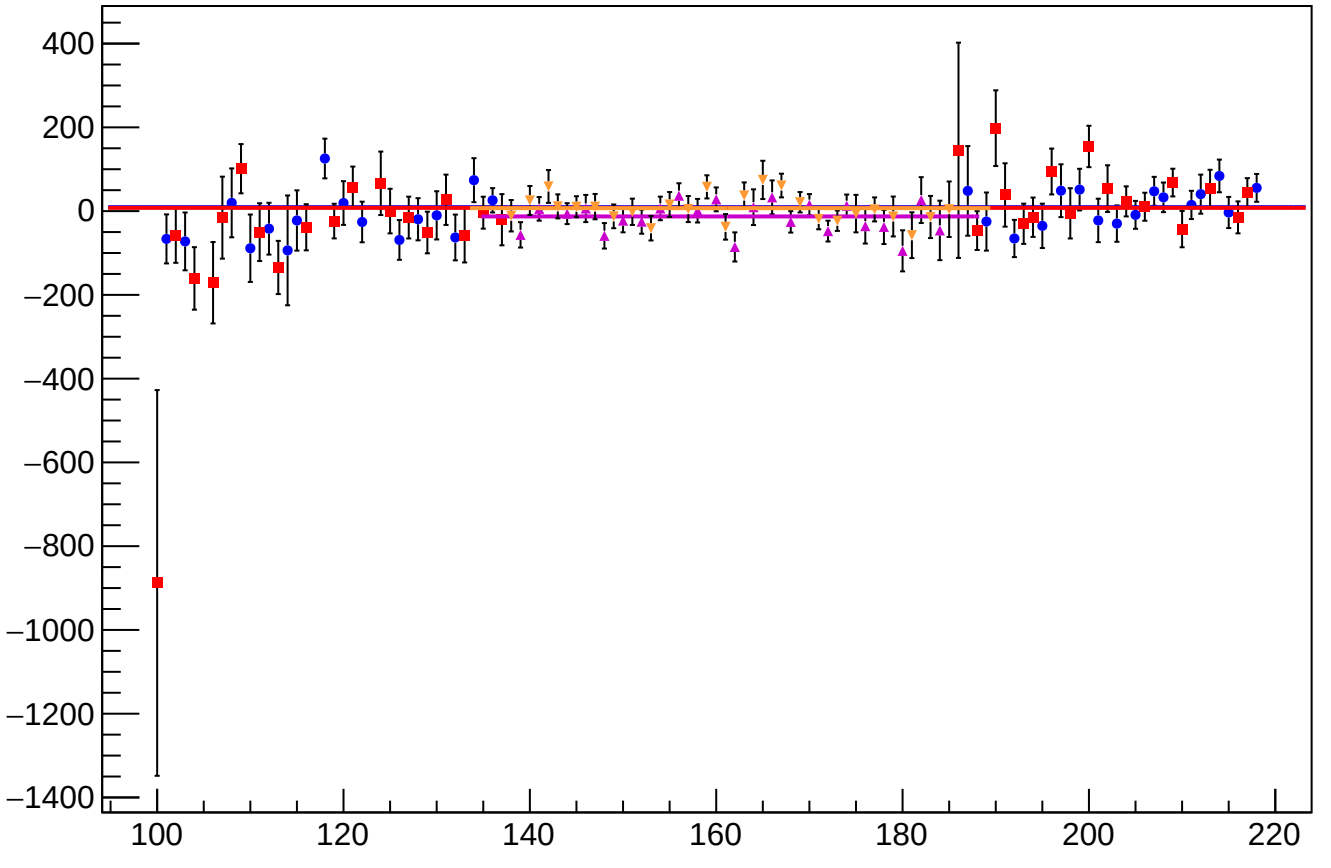
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 446.356+/-0.051 χ^2/NDF: 5875572.9/67

In: 208.809+/-0.027 χ^2/NDF:16041641.1/54

Out: 207.614+/-0.026 χ^2/NDF:17539566.9/60

All: 208.200+/-0.019 χ^2/NDF: 33582218.1/11



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: 7.849+/-8.570 χ^2/NDF: 54.0/35

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

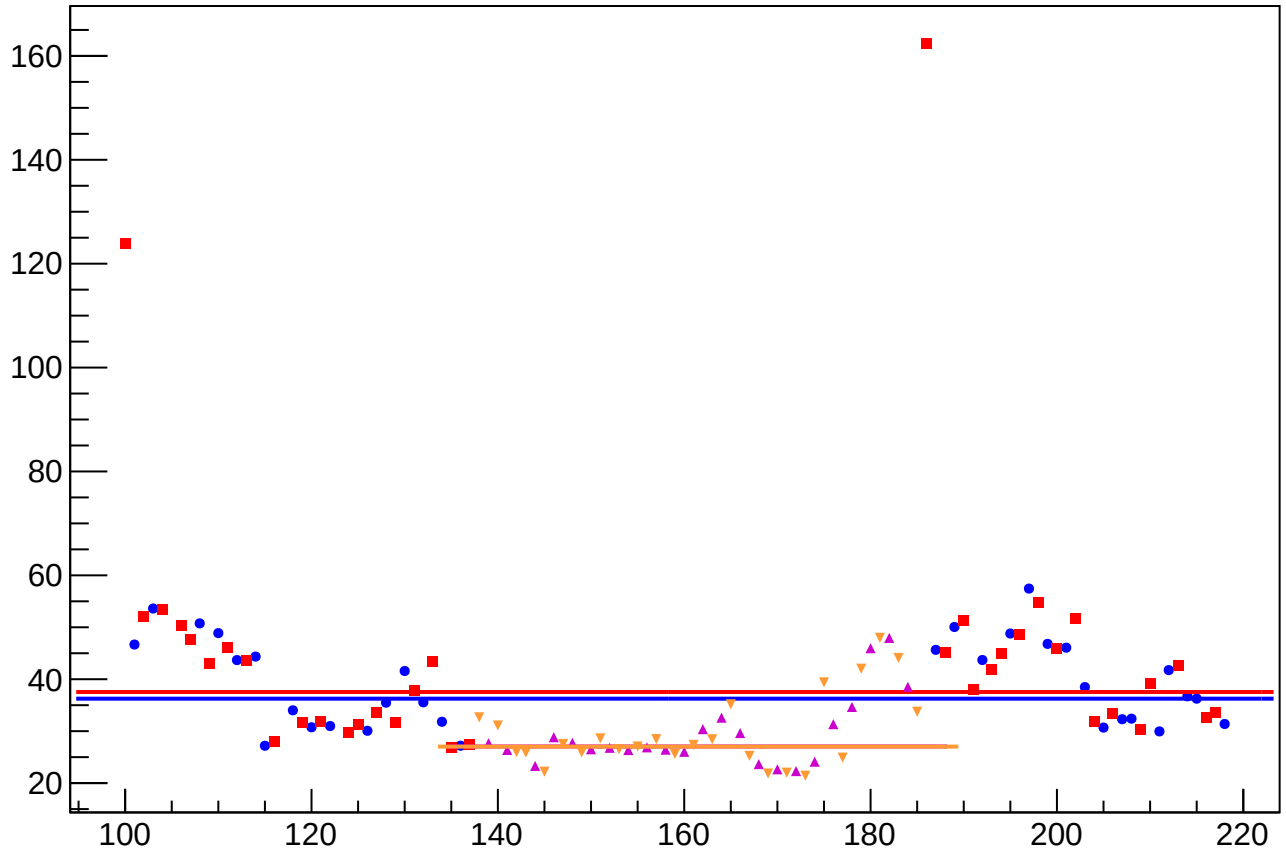
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 8.646+/-5.969 χ^2/NDF: 87.7/67

In: -4.299+/-5.128 χ^2/NDF:63.7/54

Out: 7.351+/-5.093 χ^2/NDF:76.7/60

All: 1.566+/-3.614 χ^2/NDF: 143.0/115



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: 37.542+/-0.006 χ^2/NDF: 2161985.3/35

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

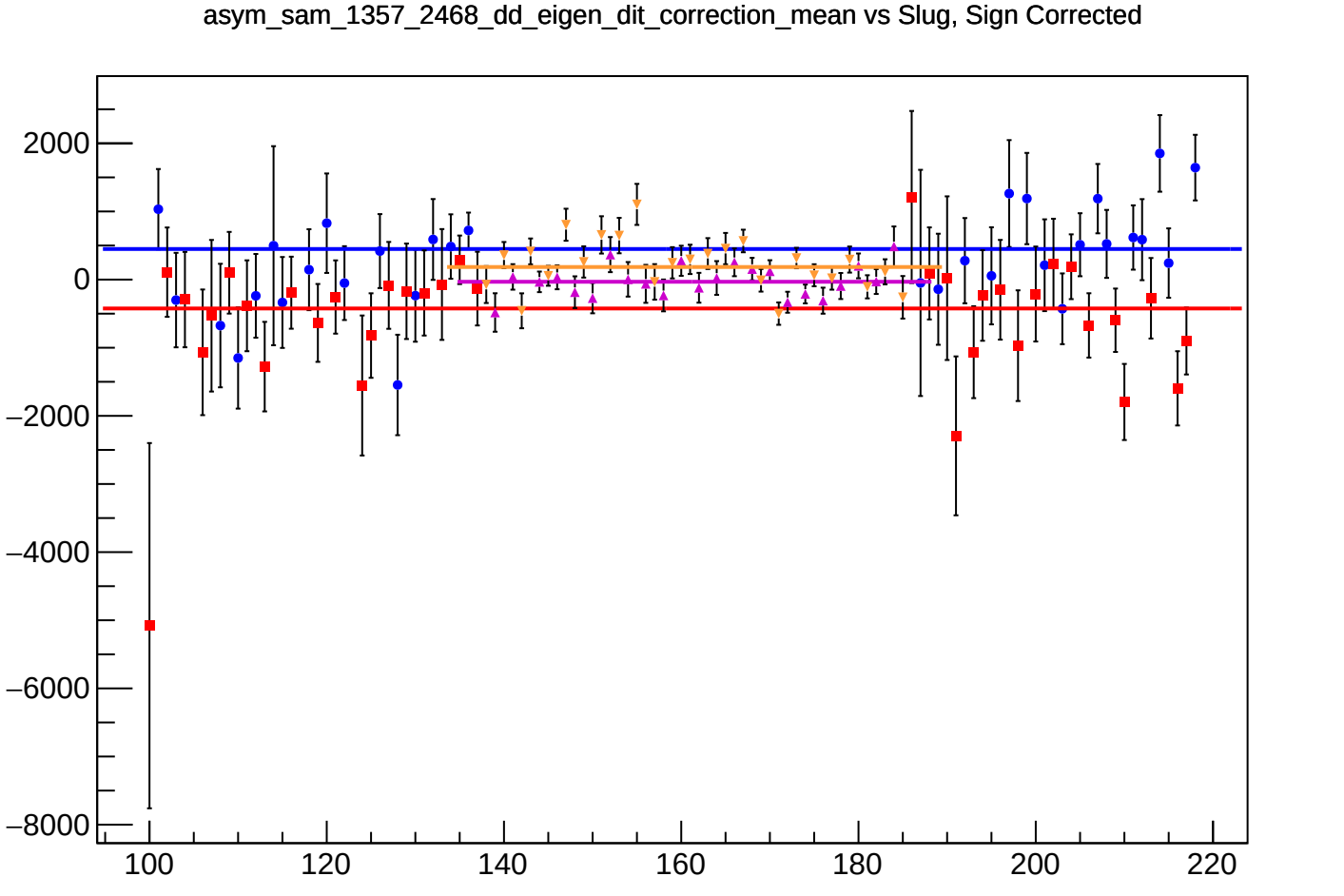
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 36.879+/-0.004 χ^2/NDF: 3767661.7/67

In: 30.550+/-0.004 χ^2/NDF:4143998.2/54

Out: 30.740+/-0.004 χ^2/NDF:5539999.4/60

All: 30.646+/-0.003 χ^2/NDF: 9685388.2/115



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: -424.061+/-104.864 χ^2/NDF: 35.2/35

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

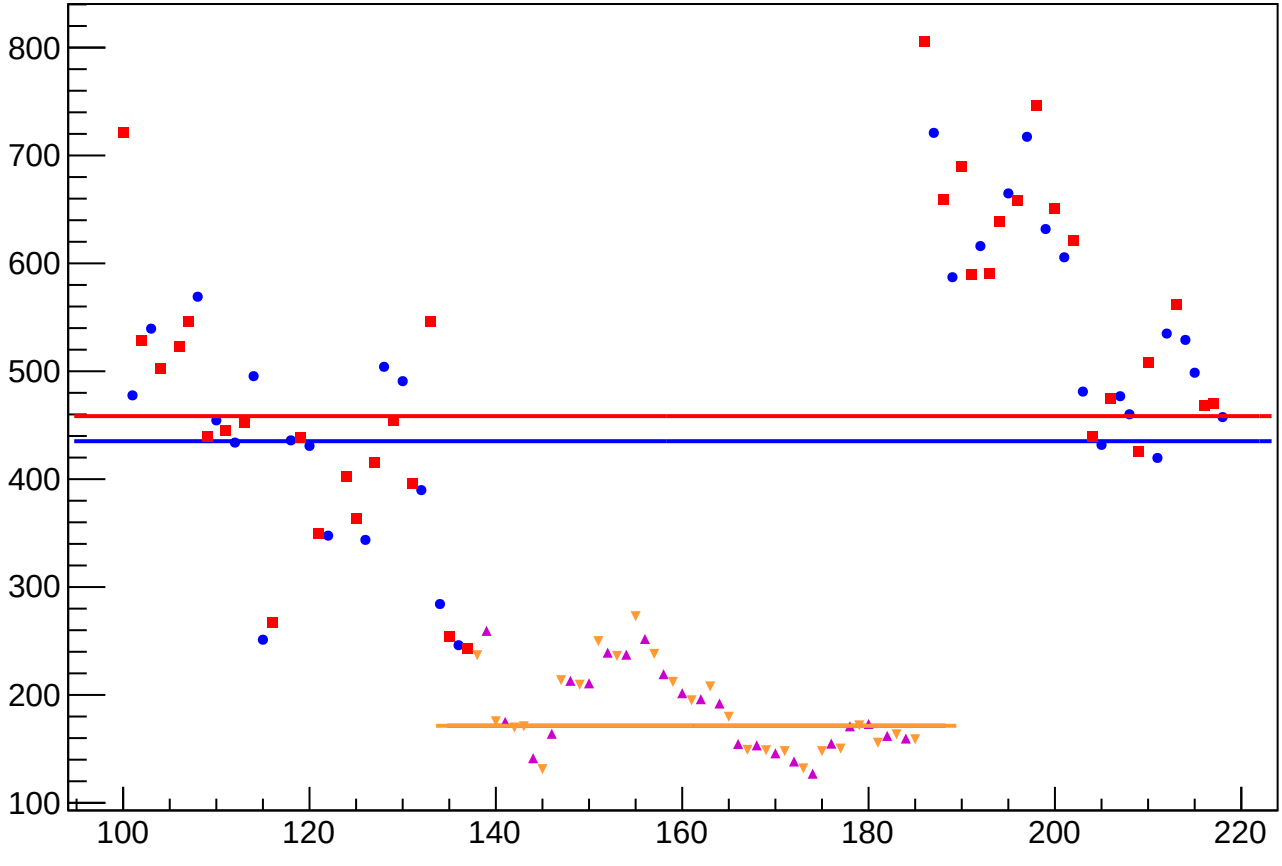
Right: 29.225+/-72.714 χ^2/NDF: 114.1/67

In: 36.172+/-37.965 χ^2/NDF:88.9/54

Out: 107.919+/-37.236 χ^2/NDF:132.3/60

All: 72.741+/-26.584 χ^2/NDF: 223.0/115

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: 458.420+/-0.074 χ^2/NDF: 2921231.6/35

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

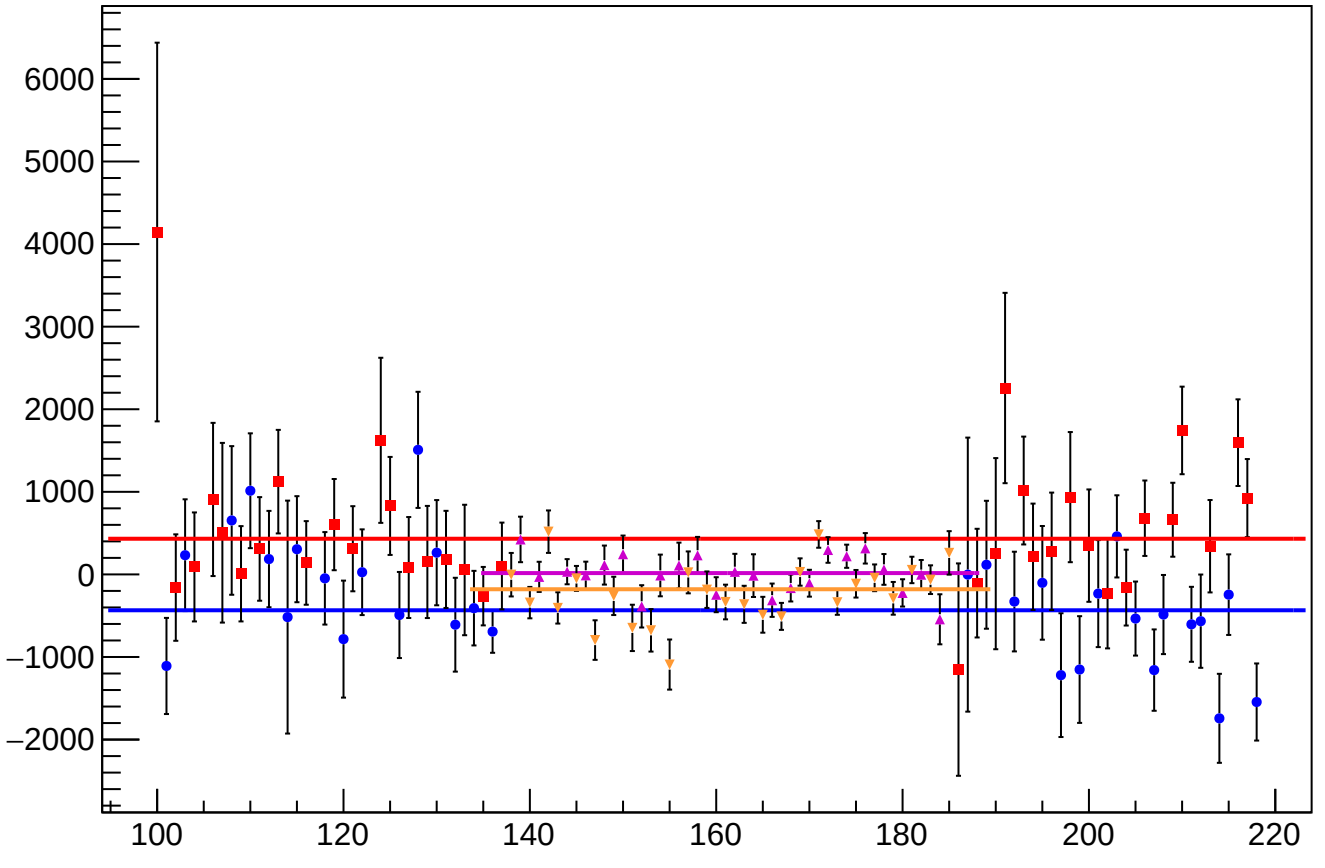
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 446.355+/-0.051 χ^2/NDF: 5875594.3/67

In: 208.808+/-0.027 χ^2/NDF:16041698.1/54

Out: 207.613+/-0.026 χ^2/NDF:17539631.1/60

All: 208.199+/-0.019 χ^2/NDF: 33582339.2/11



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: 431.889+/-101.388 χ^2/NDF: 34.8/35

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

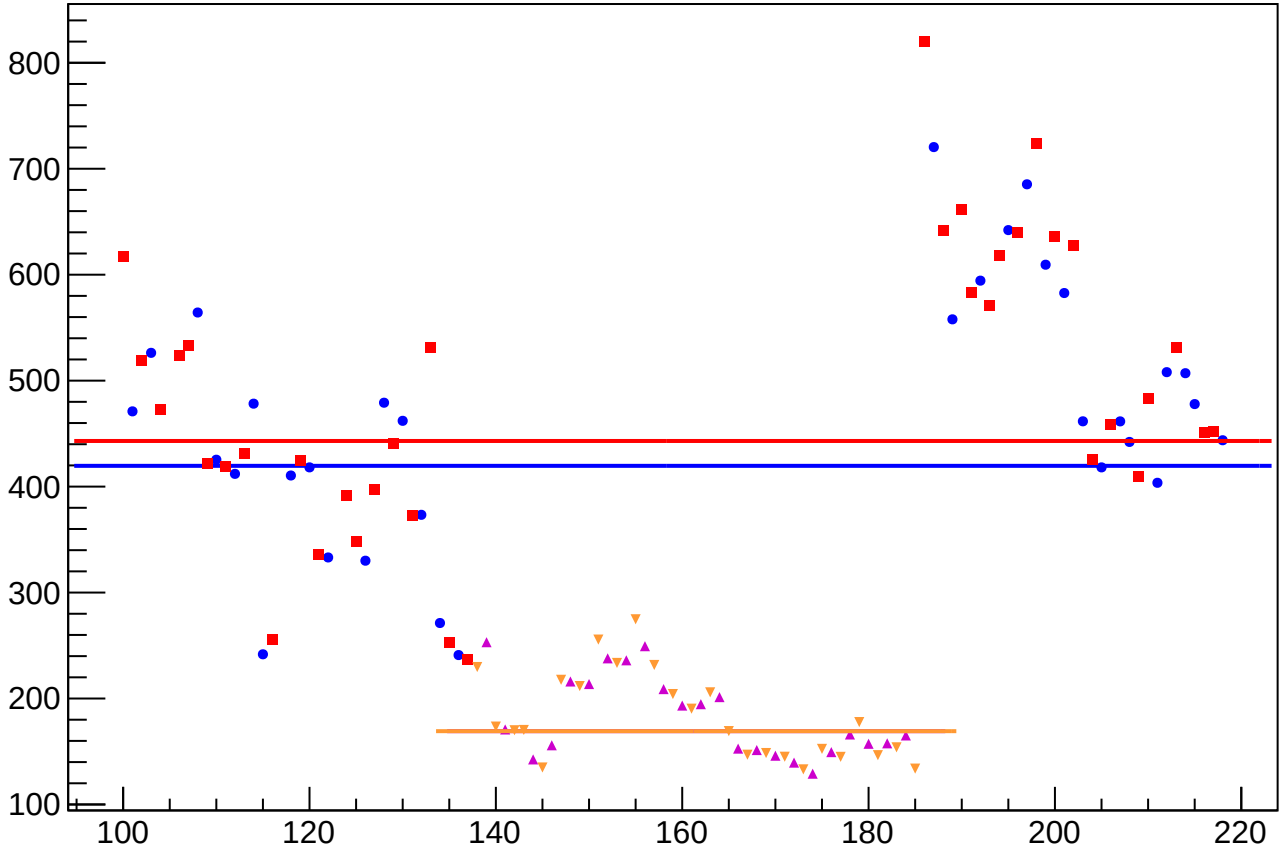
Right: -19.254+/-70.182 χ^2/NDF: 115.5/67

In: -50.218+/-37.306 χ^2/NDF:87.6/54

Out: -99.549+/-36.695 χ^2/NDF:133.5/60

All: -75.291+/-26.160 χ^2/NDF: 222.0/115

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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: 443.065+/-0.072 χ^2/NDF: 2932238.1/35

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

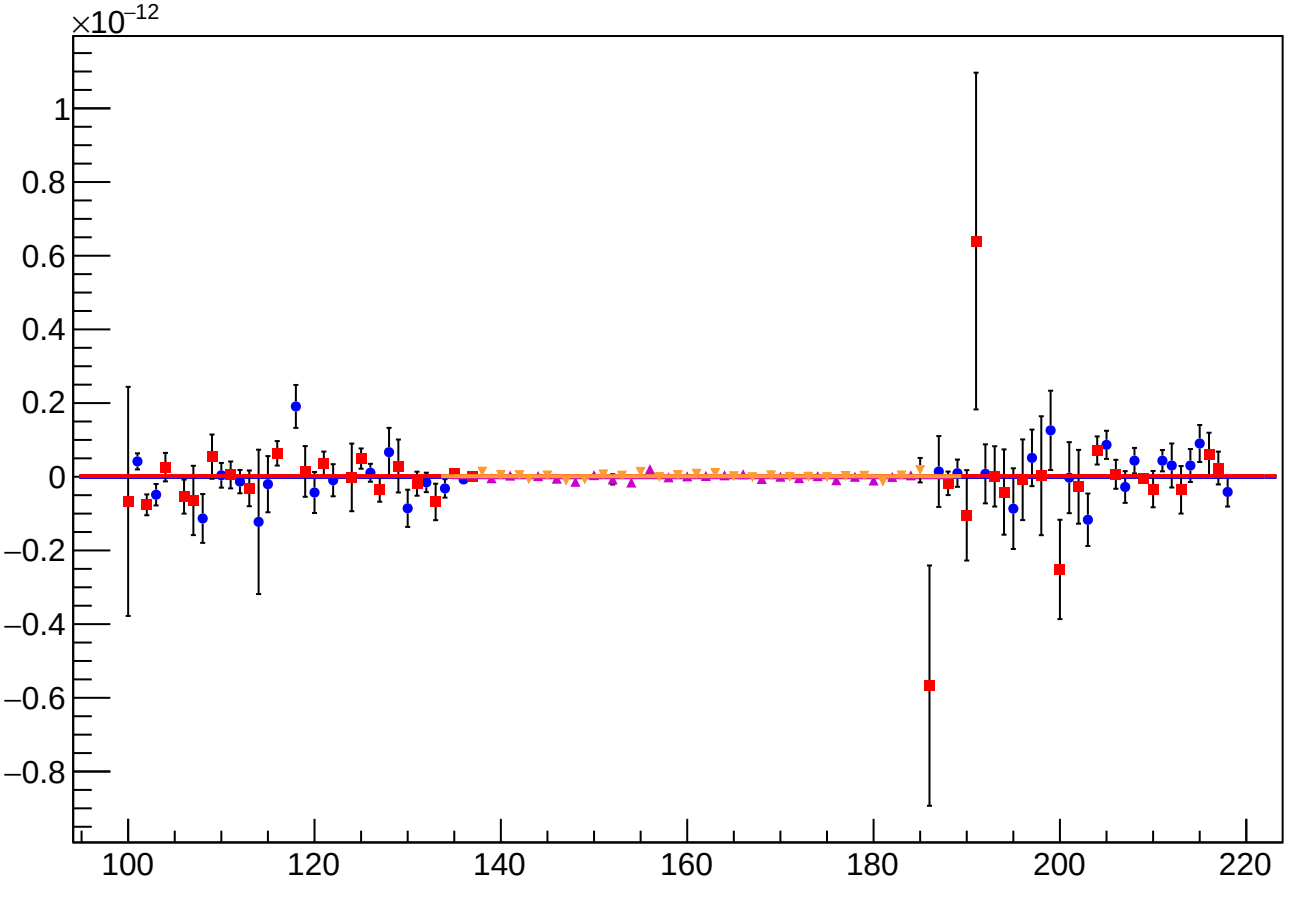
Right: 430.846+/-0.050 χ^2/NDF: 5828626.4/67

In: 206.039+/-0.026 χ^2/NDF:15525333.1/54

Out: 205.058+/-0.026 χ^2/NDF:17162814.2/60

All: 205.540+/-0.018 χ^2/NDF: 32688850.1/11

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: 38.9/35

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

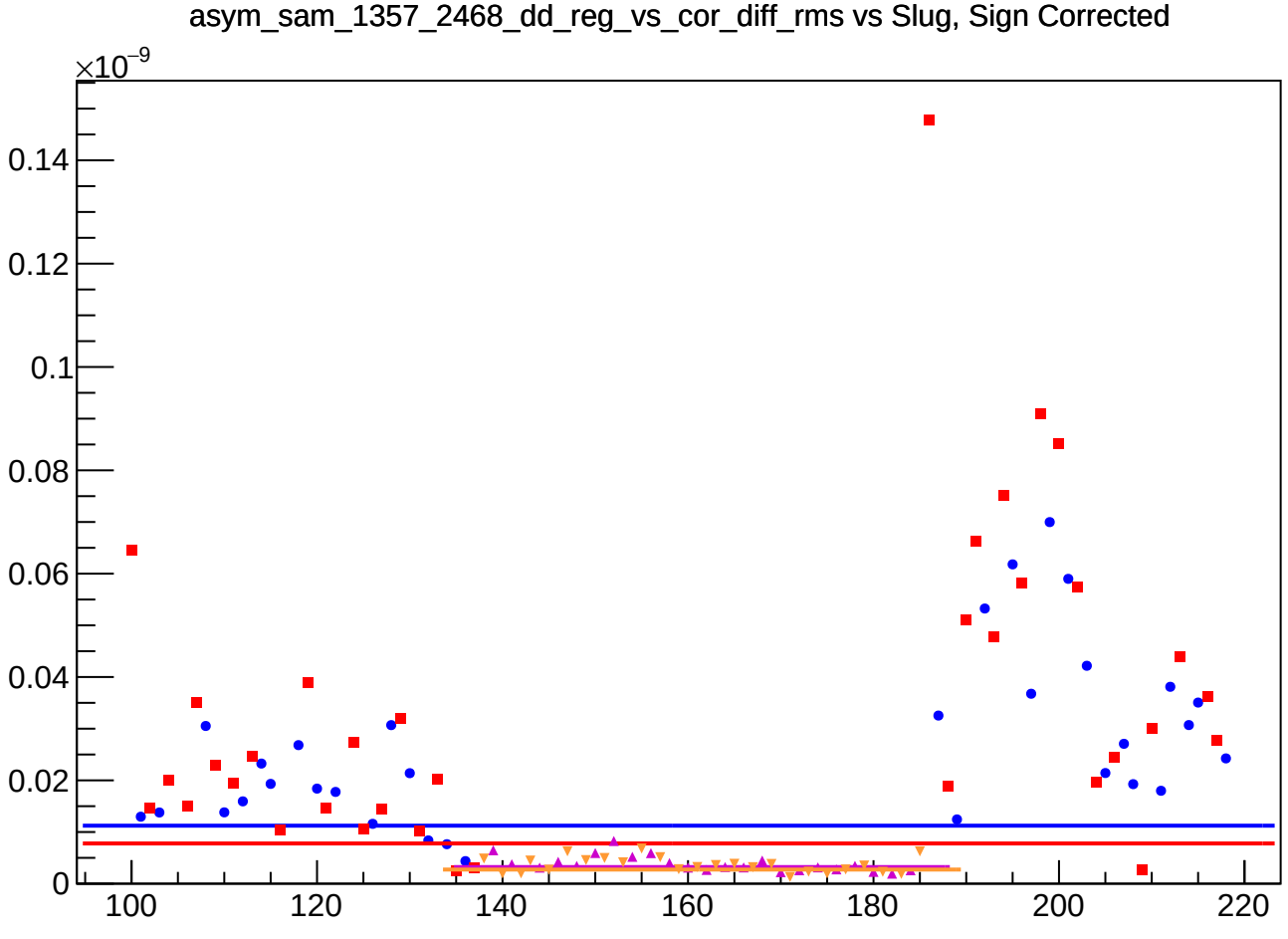
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: 0.000+/-0.000 χ^2/NDF: 87.1/67

In: -0.000+/-0.000 χ^2/NDF:67.7/54

Out: 0.000+/-0.000 χ^2/NDF:57.7/60

All: 0.000+/-0.000 χ^2/NDF: 128.3/115



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: 10695245.0/35

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

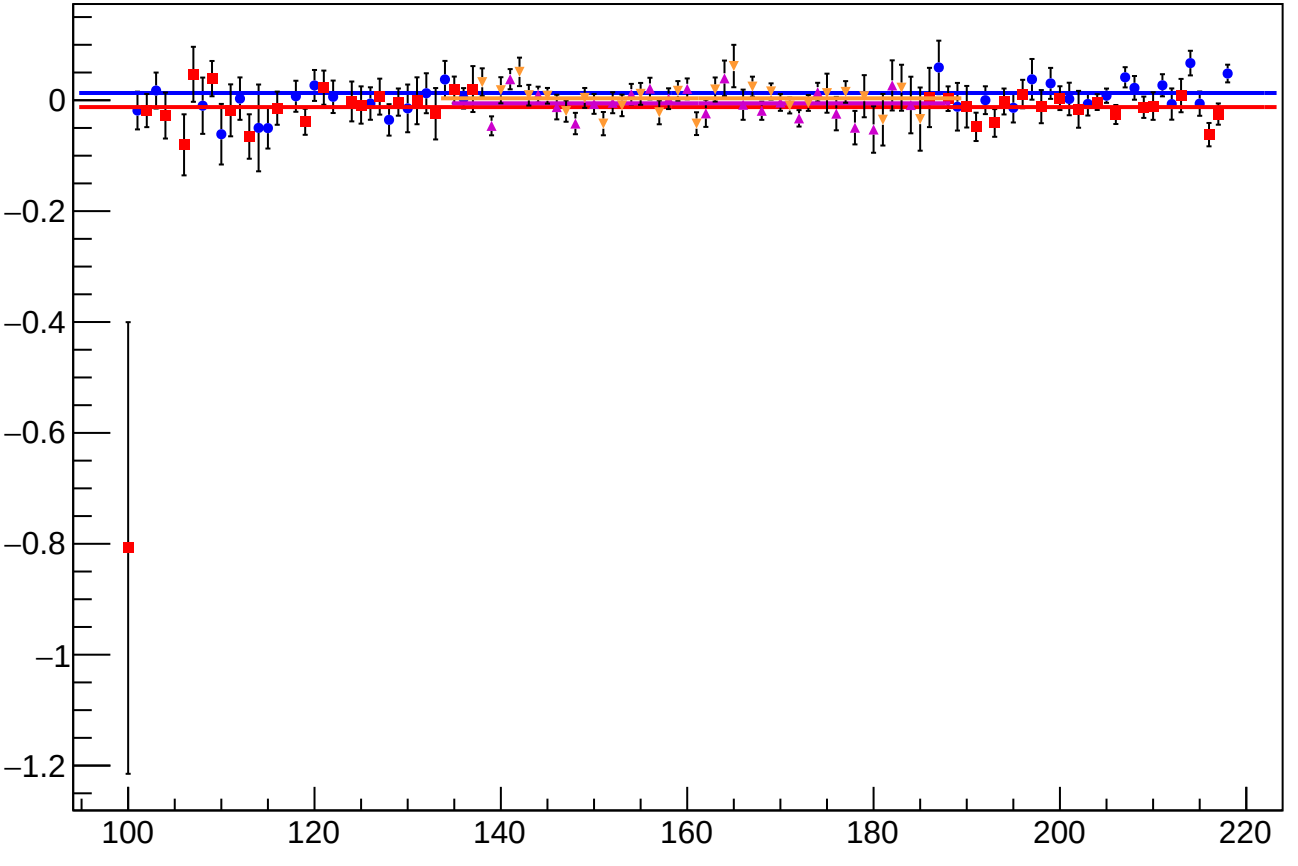
Right: 0.000+/-0.000 χ^2/NDF: 18633897.8/67

In: 0.000+/-0.000 χ^2/NDF:13310241.8/54

Out: 0.000+/-0.000 χ^2/NDF:14963914.9/60

All: 0.000+/-0.000 χ^2/NDF: 28581969.5/115

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: -0.012+/-0.005 χ^2/NDF: 29.8/35

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

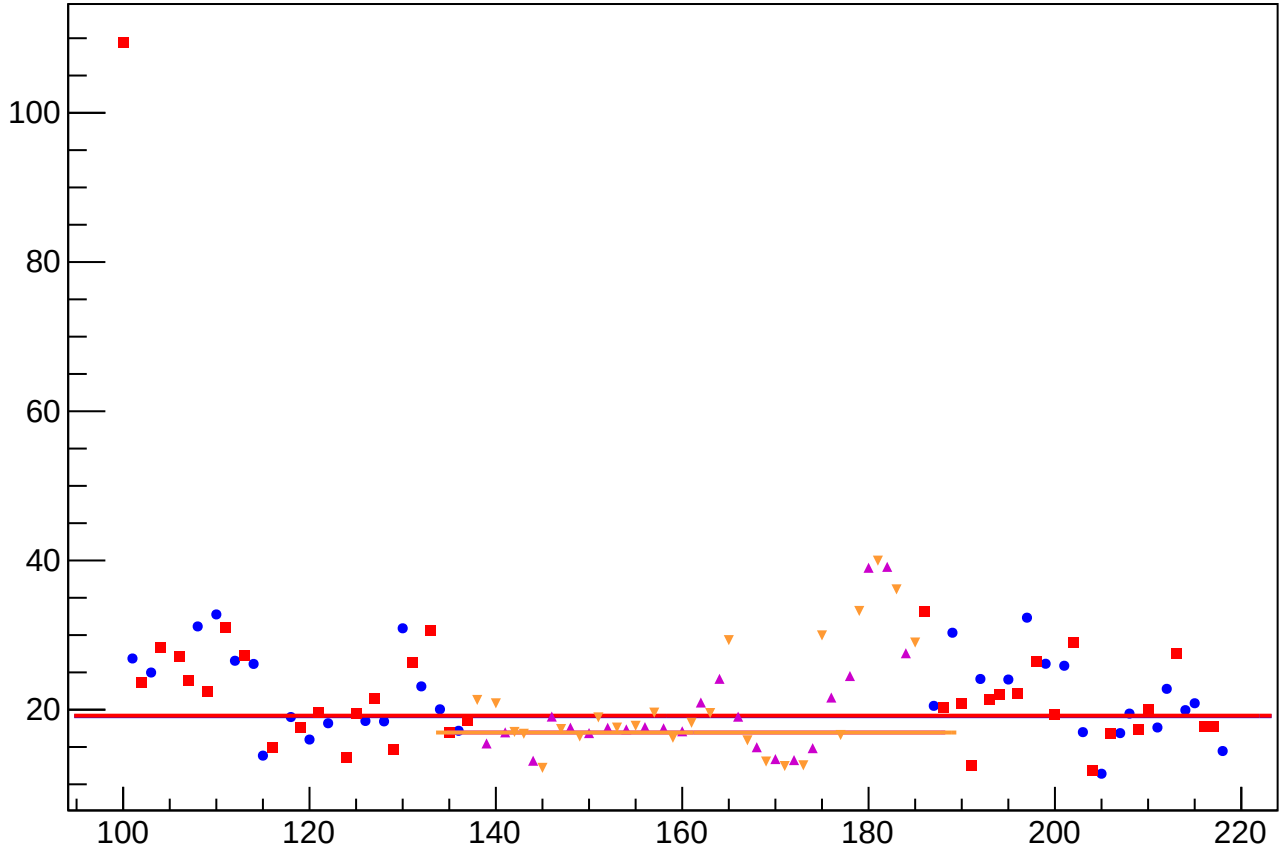
Right: 0.000+/-0.003 χ^2/NDF: 76.5/67

In: 0.003+/-0.003 χ^2/NDF:73.3/54

Out: -0.004+/-0.003 χ^2/NDF:63.4/60

All: -0.000+/-0.002 χ^2/NDF: 139.0/115

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: 19.197+/-0.003 χ^2/NDF: 2310288.3/35

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

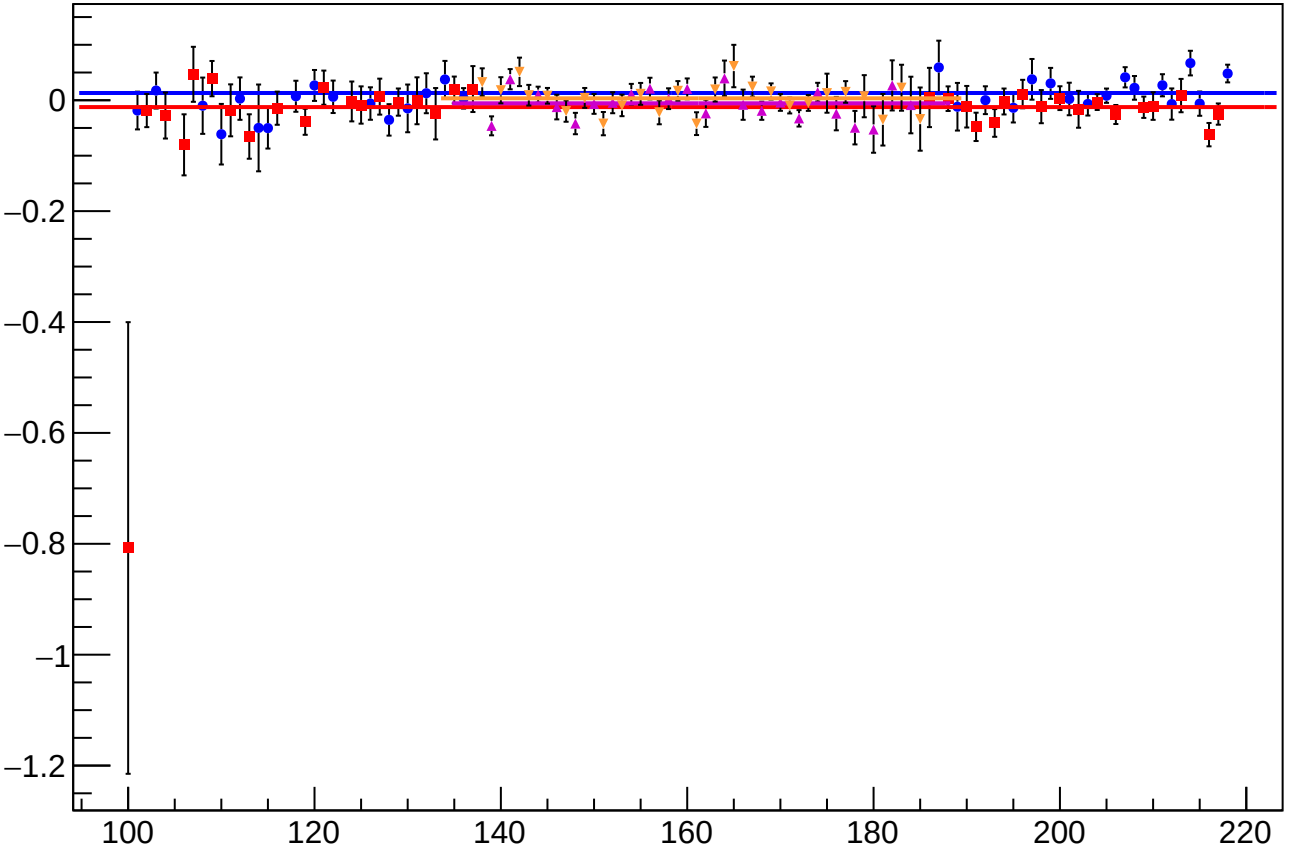
Right: 19.164+/-0.002 χ^2/NDF: 4852232.2/67

In: 17.942+/-0.002 χ^2/NDF:4732675.2/54

Out: 17.951+/-0.002 χ^2/NDF:5420390.9/60

All: 17.947+/-0.002 χ^2/NDF: 10153074.8/115

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: -0.012+/-0.005 χ^2/NDF: 29.8/35

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

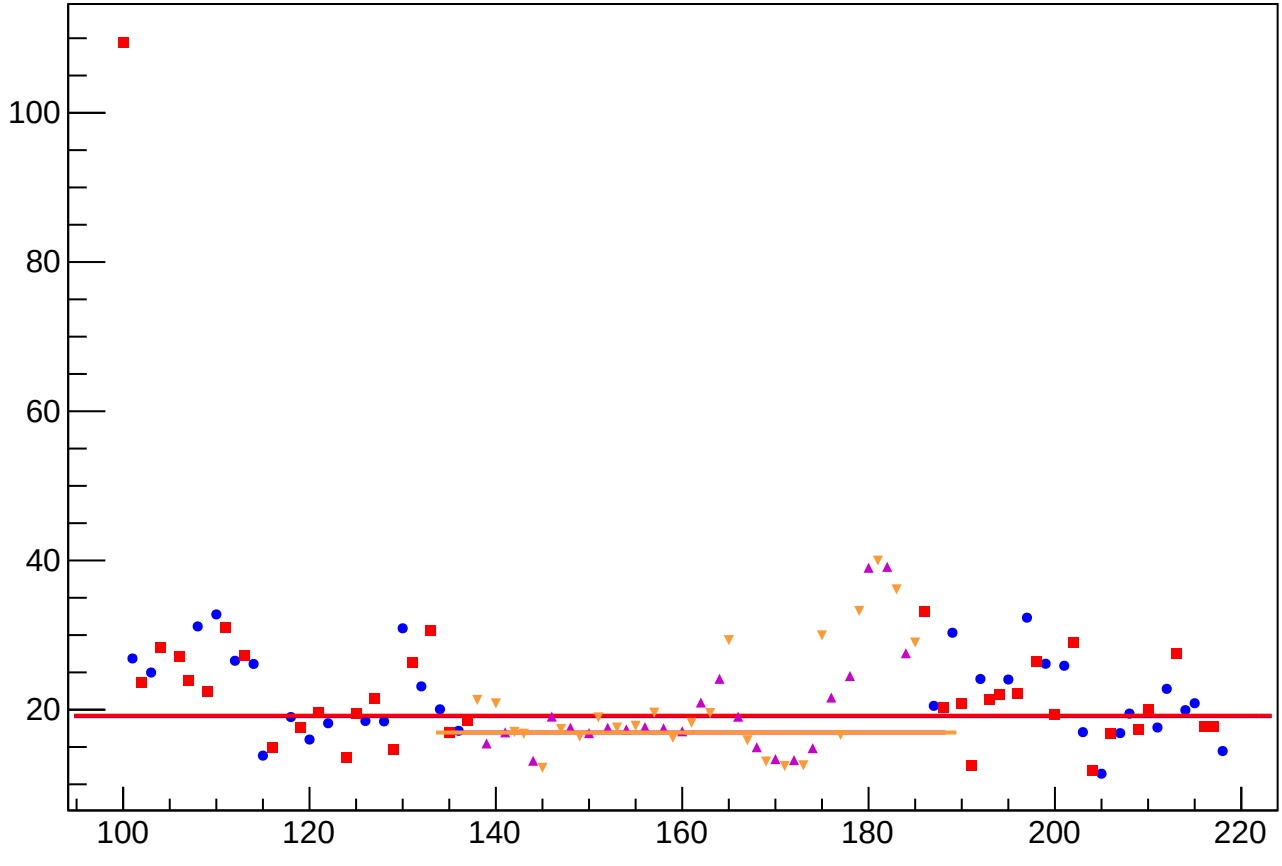
Right: 0.000+/-0.003 χ^2/NDF: 76.5/67

In: 0.003+/-0.003 χ^2/NDF:73.3/54

Out: -0.004+/-0.003 χ^2/NDF:63.4/60

All: -0.000+/-0.002 χ^2/NDF: 139.0/115

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: 19.197+/-0.003 χ^2/NDF: 2310288.3/35

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

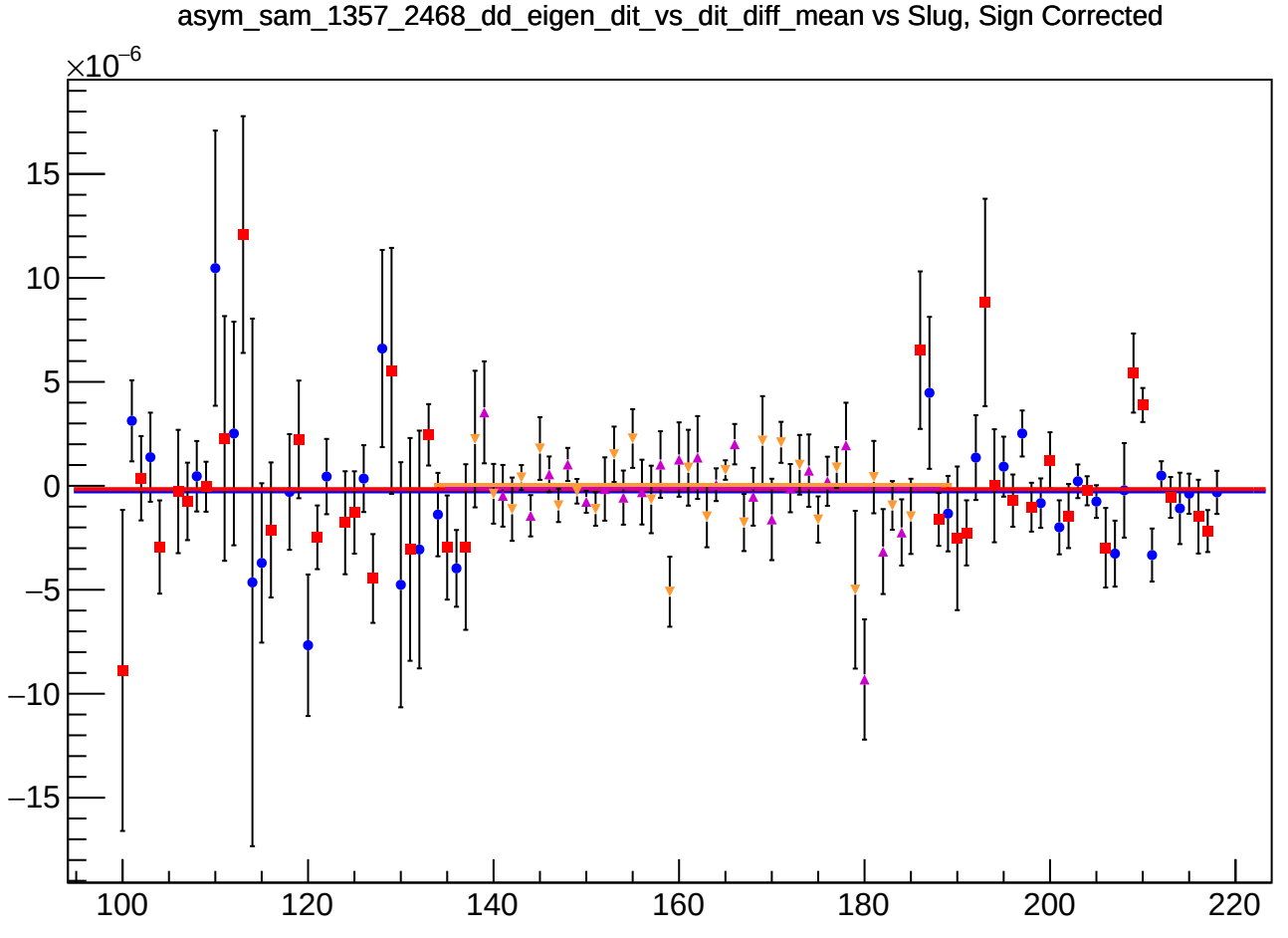
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.164+/-0.002 χ^2/NDF: 4852232.2/67

In: 17.942+/-0.002 χ^2/NDF:4732675.2/54

Out: 17.951+/-0.002 χ^2/NDF:5420390.9/60

All: 17.947+/-0.002 χ^2/NDF: 10153074.8/115



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: 74.5/35

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

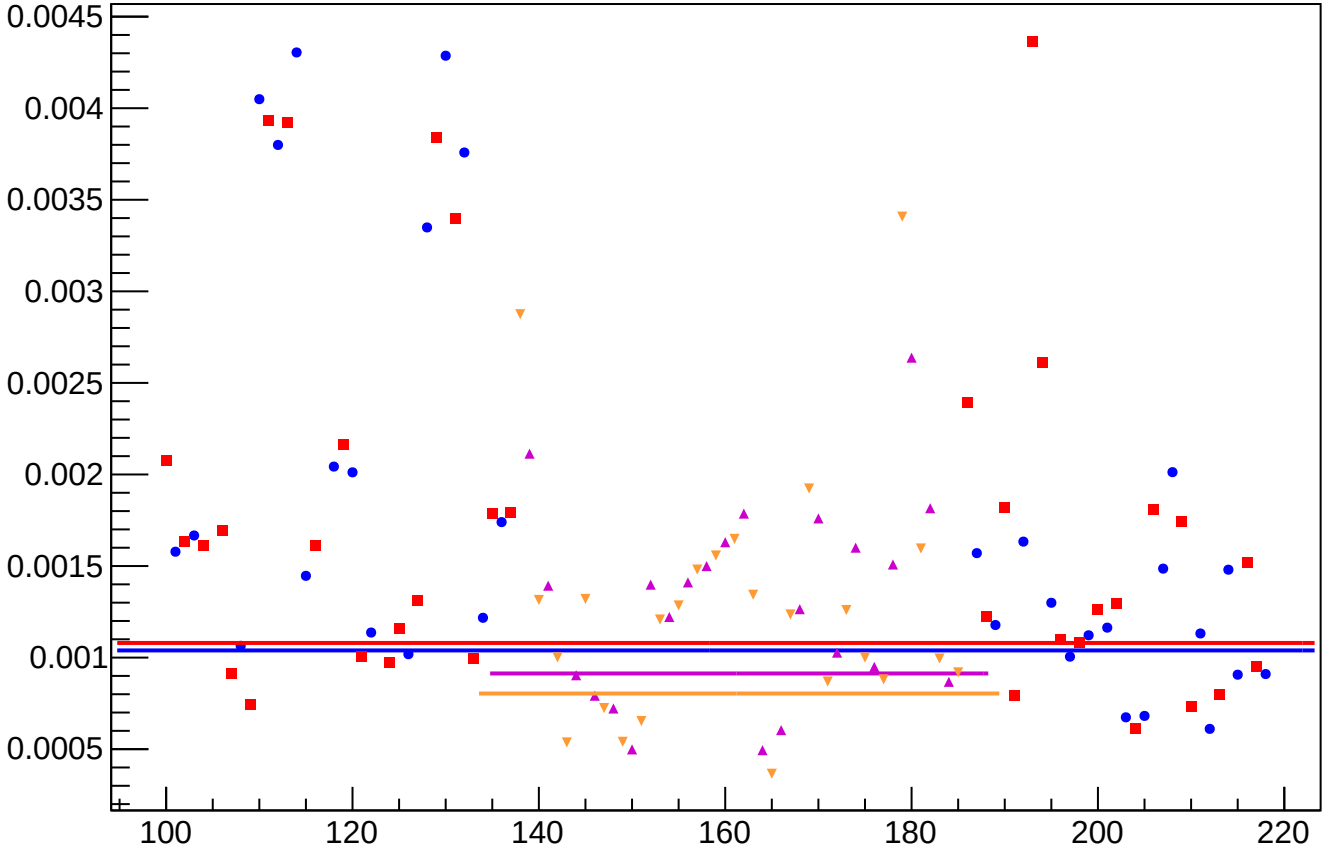
Right: -0.000+/-0.000 χ^2/NDF: 117.6/67

In: -0.000+/-0.000 χ^2/NDF:74.3/54

Out: -0.000+/-0.000 χ^2/NDF:112.0/60

All: -0.000+/-0.000 χ^2/NDF: 186.6/115

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: 7041132.2/35

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

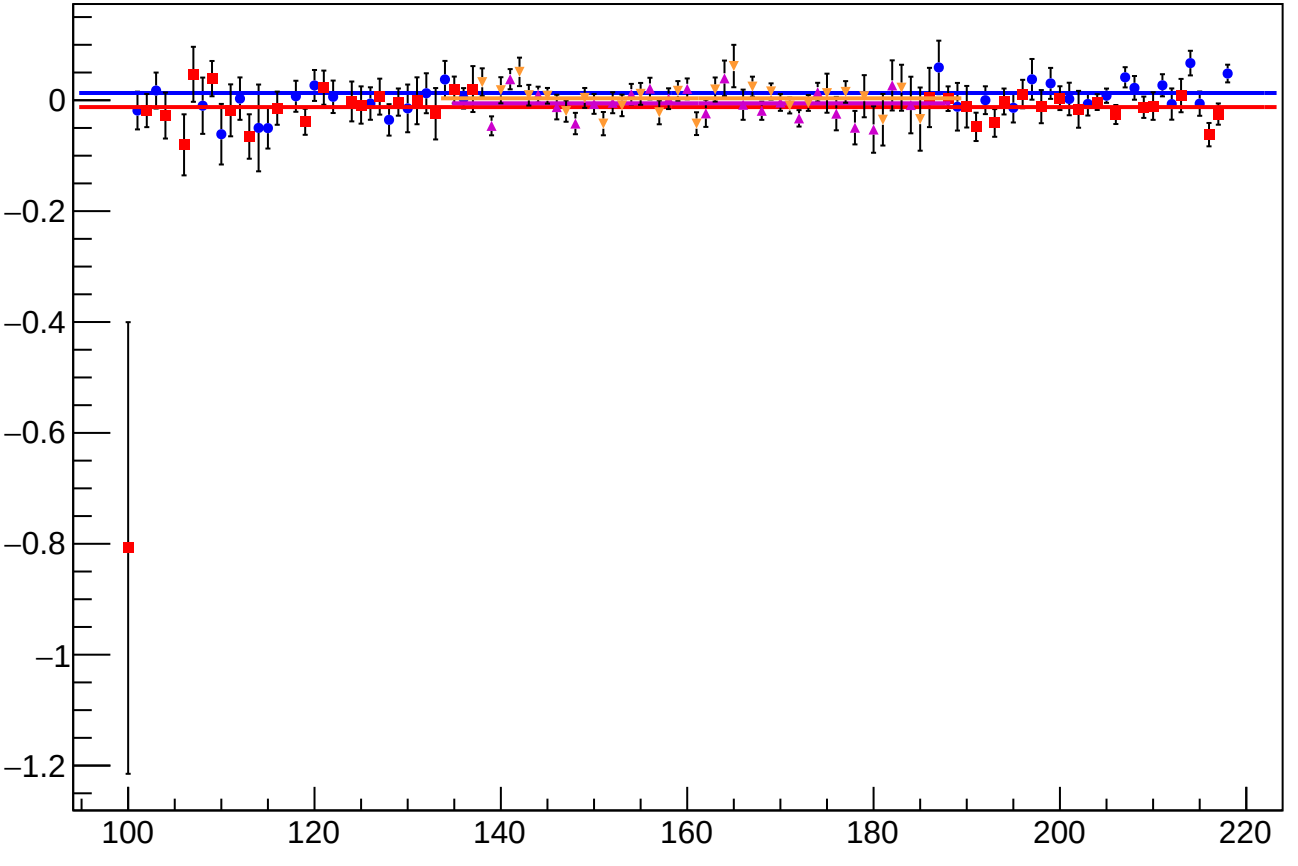
Right: 0.001+/-0.000 χ^2/NDF: 13393906.6/67

In: 0.001+/-0.000 χ^2/NDF:13022232.8/54

Out: 0.001+/-0.000 χ^2/NDF:16611744.0/60

All: 0.001+/-0.000 χ^2/NDF: 29772708.9/115

asym_sam_1357_2468_dd_eigen_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: -0.012+/-0.005 χ^2/NDF: 29.8/35

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

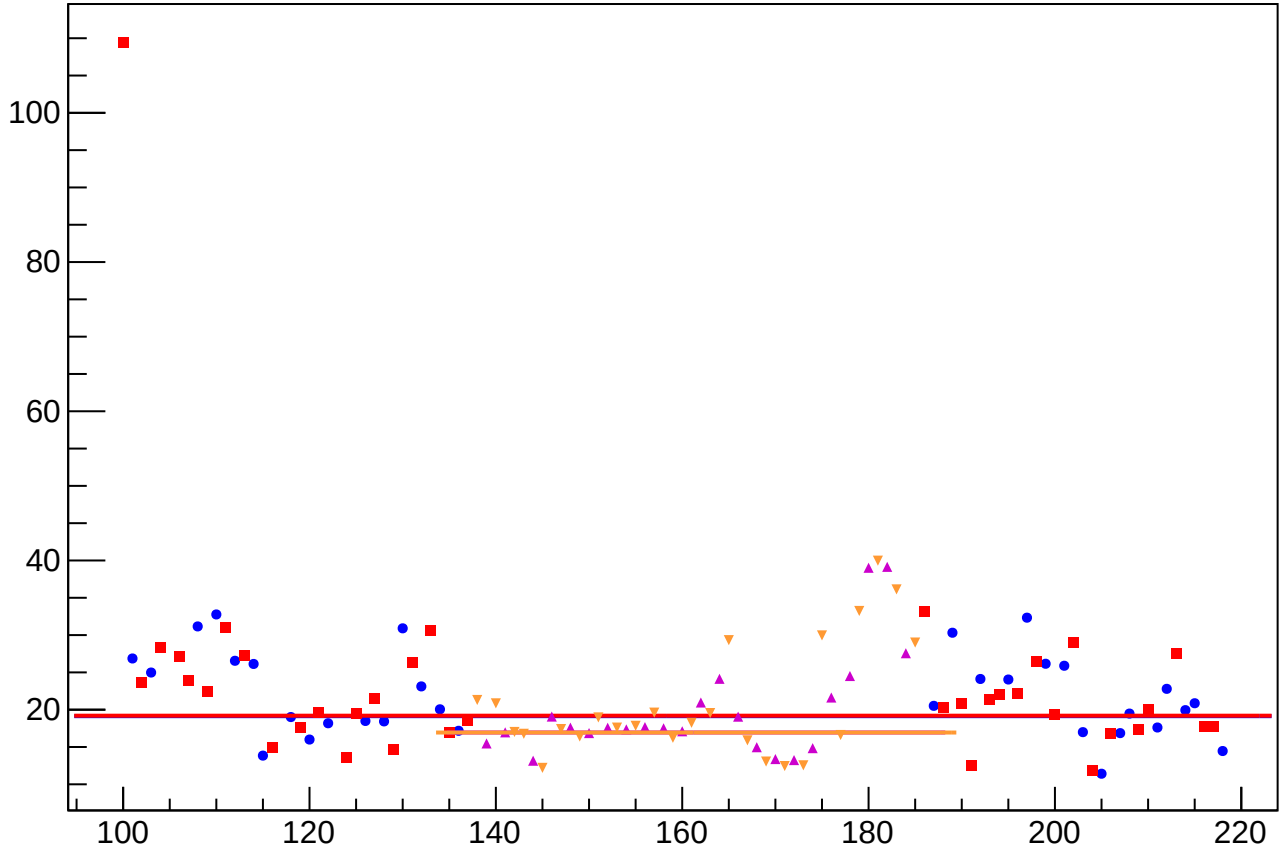
Right: 0.000+/-0.003 χ^2/NDF: 76.5/67

In: 0.003+/-0.003 χ^2/NDF:73.3/54

Out: -0.004+/-0.003 χ^2/NDF:63.4/60

All: -0.000+/-0.002 χ^2/NDF: 139.0/115

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: 19.197+/-0.003 χ^2/NDF: 2310261.0/35

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

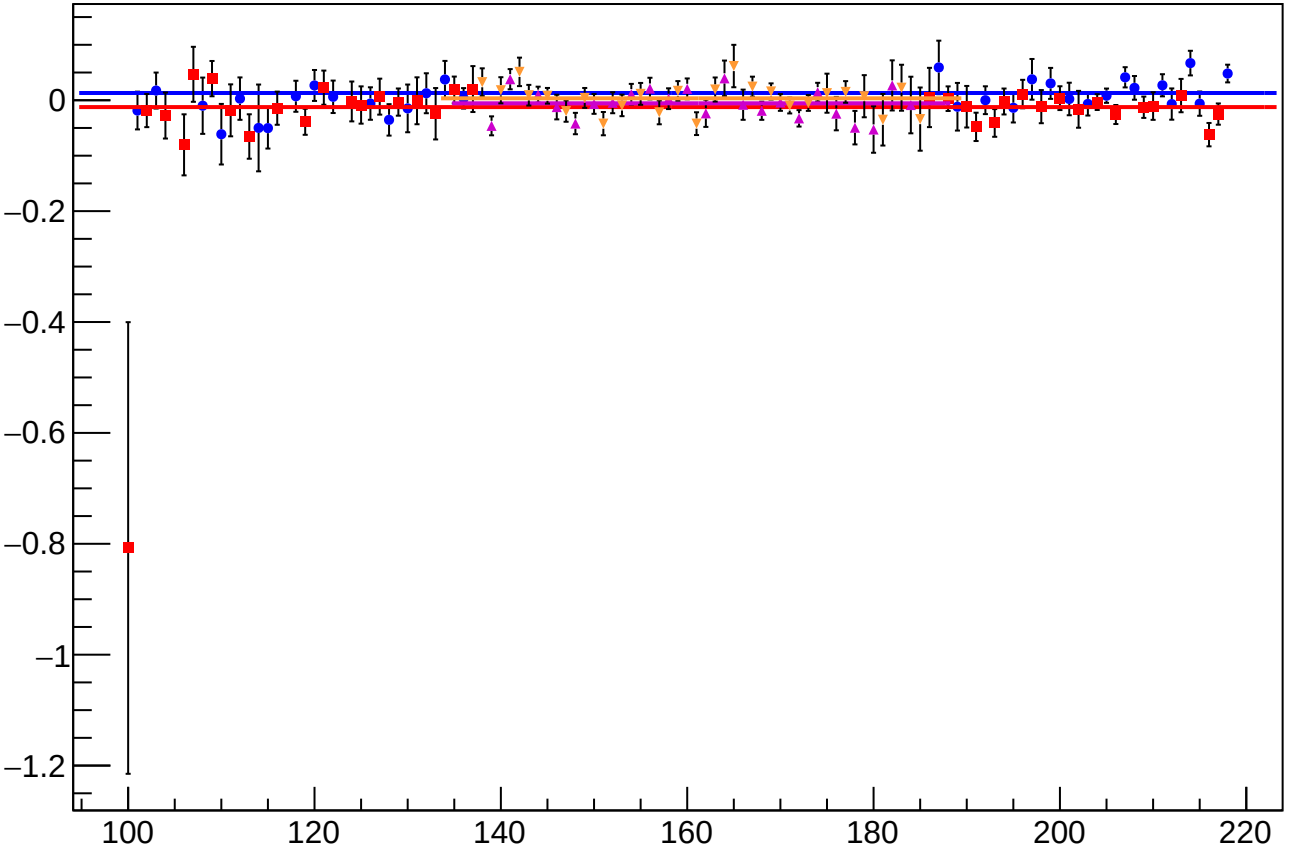
Right: 19.164+/-0.002 χ^2/NDF: 4852262.8/67

In: 17.942+/-0.002 χ^2/NDF:4732636.2/54

Out: 17.951+/-0.002 χ^2/NDF:5420301.0/60

All: 17.947+/-0.002 χ^2/NDF: 10152946.0/115

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: -0.012+/-0.005 χ^2/NDF: 29.8/35

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

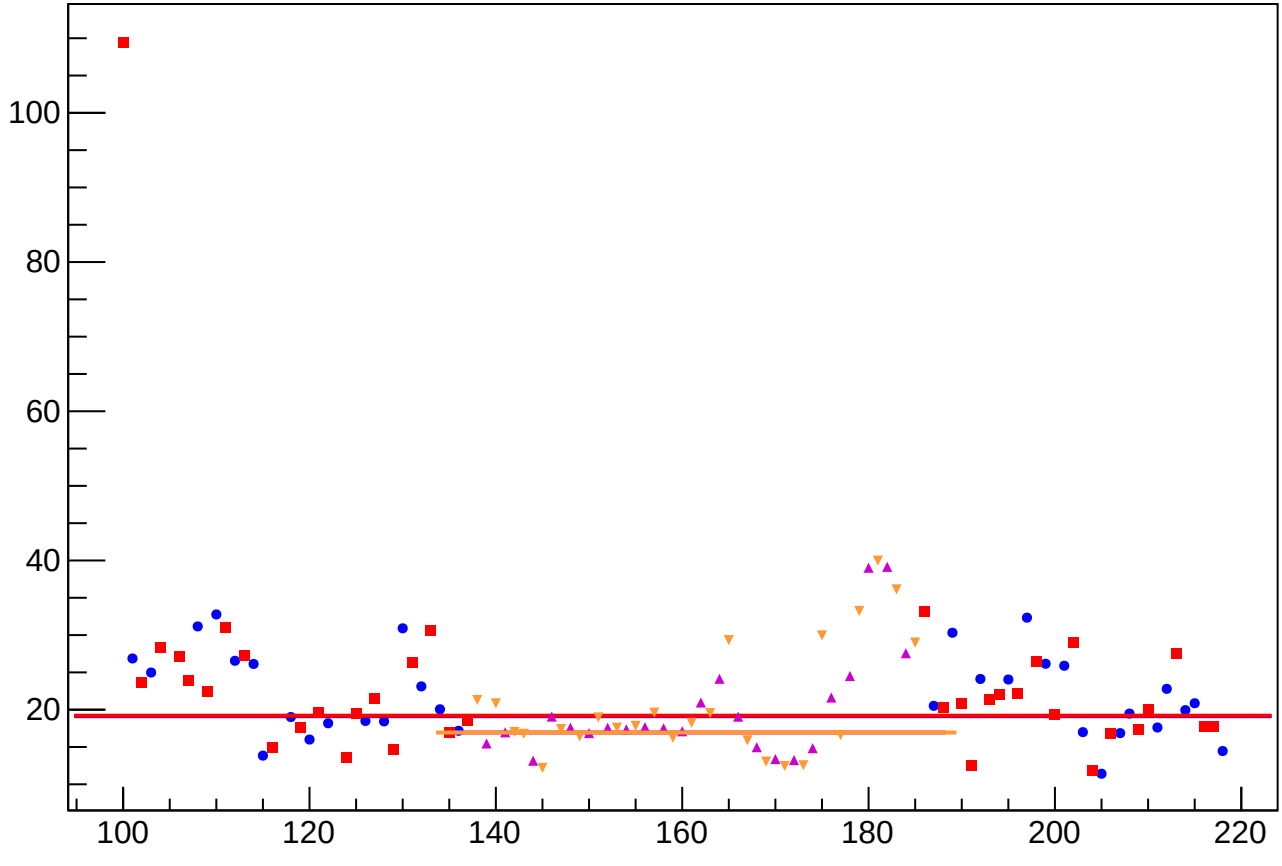
Right: 0.000+/-0.003 χ^2/NDF: 76.5/67

In: 0.003+/-0.003 χ^2/NDF:73.3/54

Out: -0.004+/-0.003 χ^2/NDF:63.4/60

All: -0.000+/-0.002 χ^2/NDF: 139.0/115

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: 19.197+/-0.003 χ^2/NDF: 2310261.0/35

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

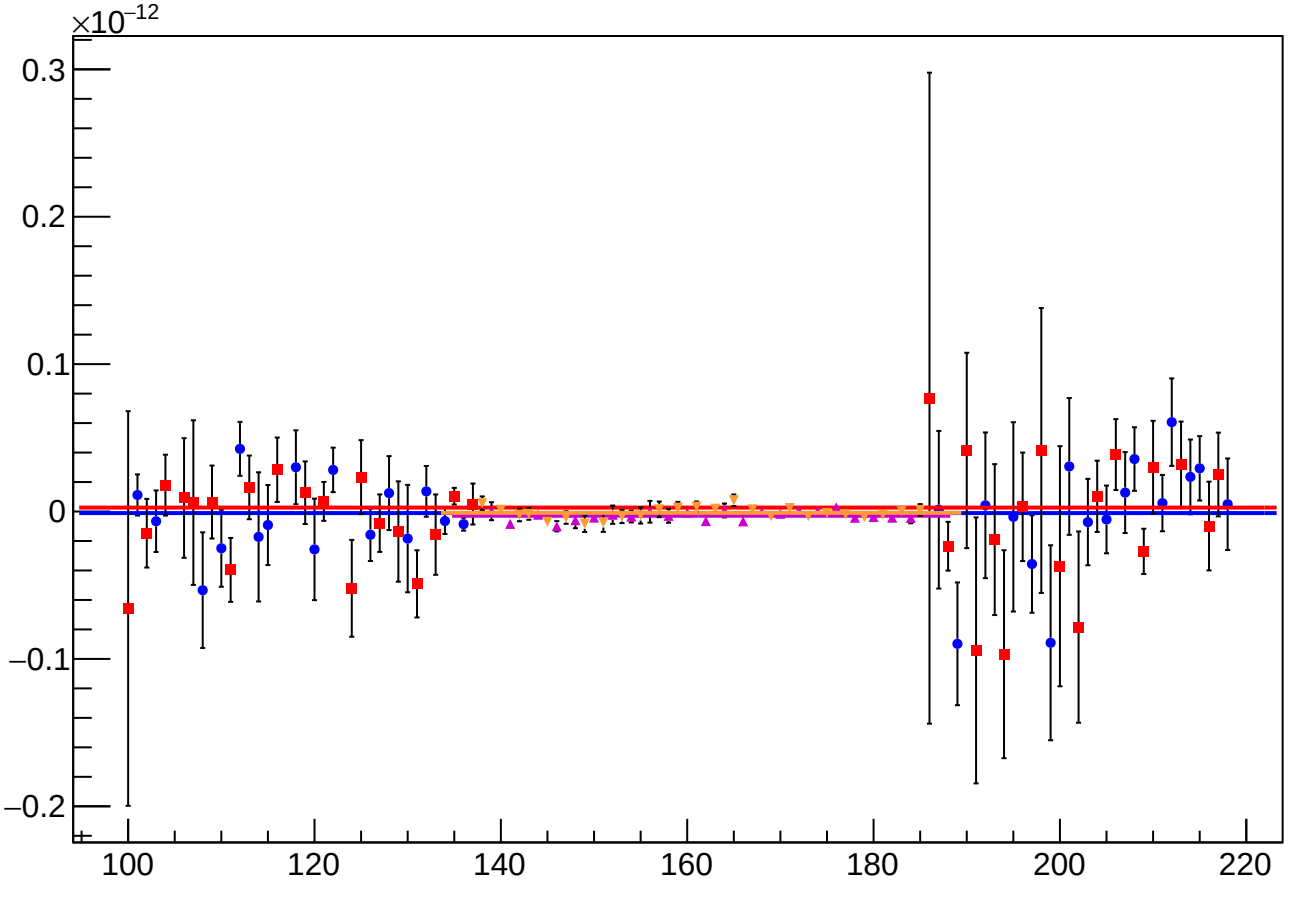
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 19.164+/-0.002 χ^2/NDF: 4852262.8/67

In: 17.942+/-0.002 χ^2/NDF:4732636.2/54

Out: 17.951+/-0.002 χ^2/NDF:5420301.0/60

All: 17.947+/-0.002 χ^2/NDF: 10152946.0/115



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: 35.7/35

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

Left: -0.000+/-0.000 χ^2/NDF: 51.6/47

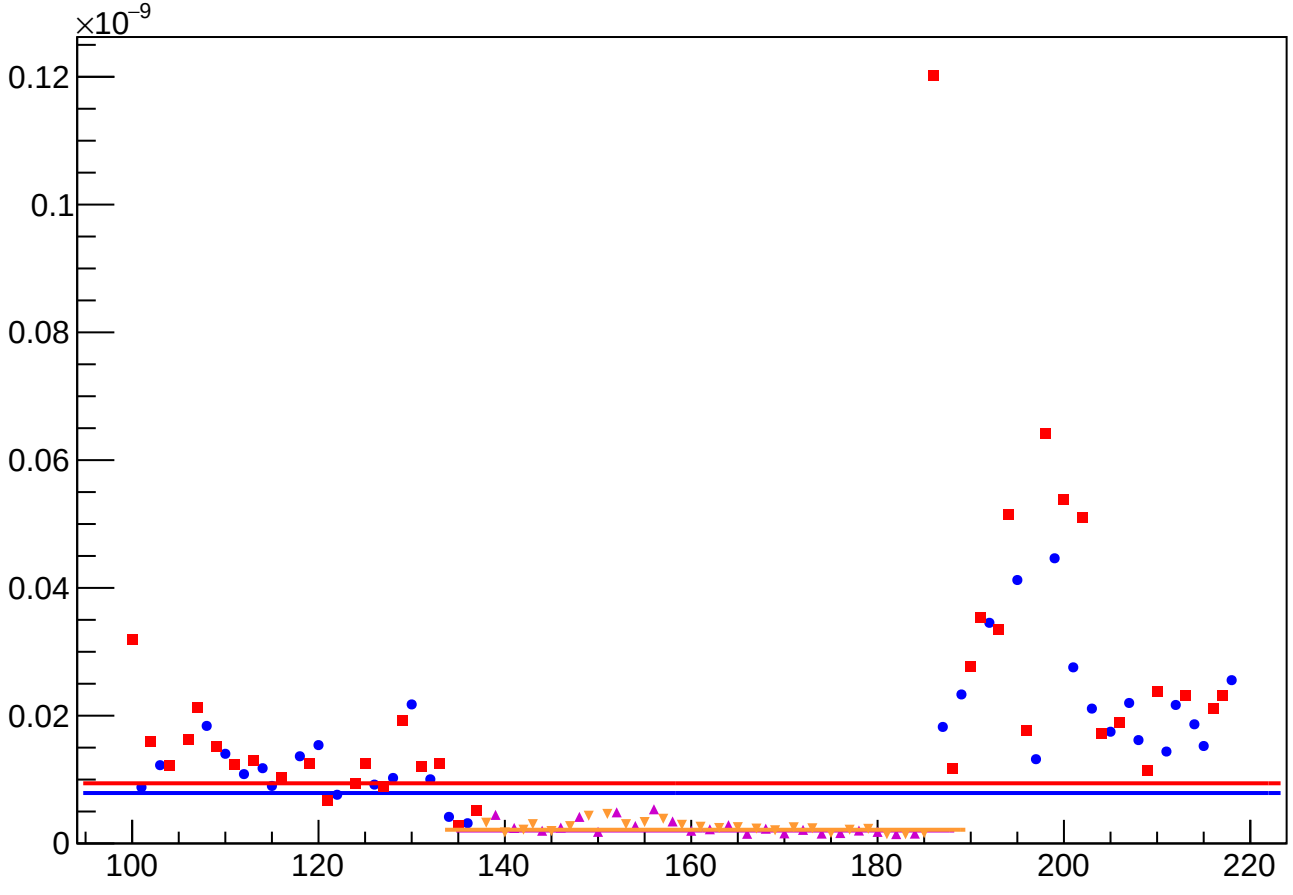
Right: 0.000+/-0.000 χ^2/NDF: 75.2/67

In: -0.000+/-0.000 χ^2/NDF:62.3/54

Out: -0.000+/-0.000 χ^2/NDF:60.4/60

All: -0.000+/-0.000 χ^2/NDF: 127.9/115

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 10240972.5/35

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

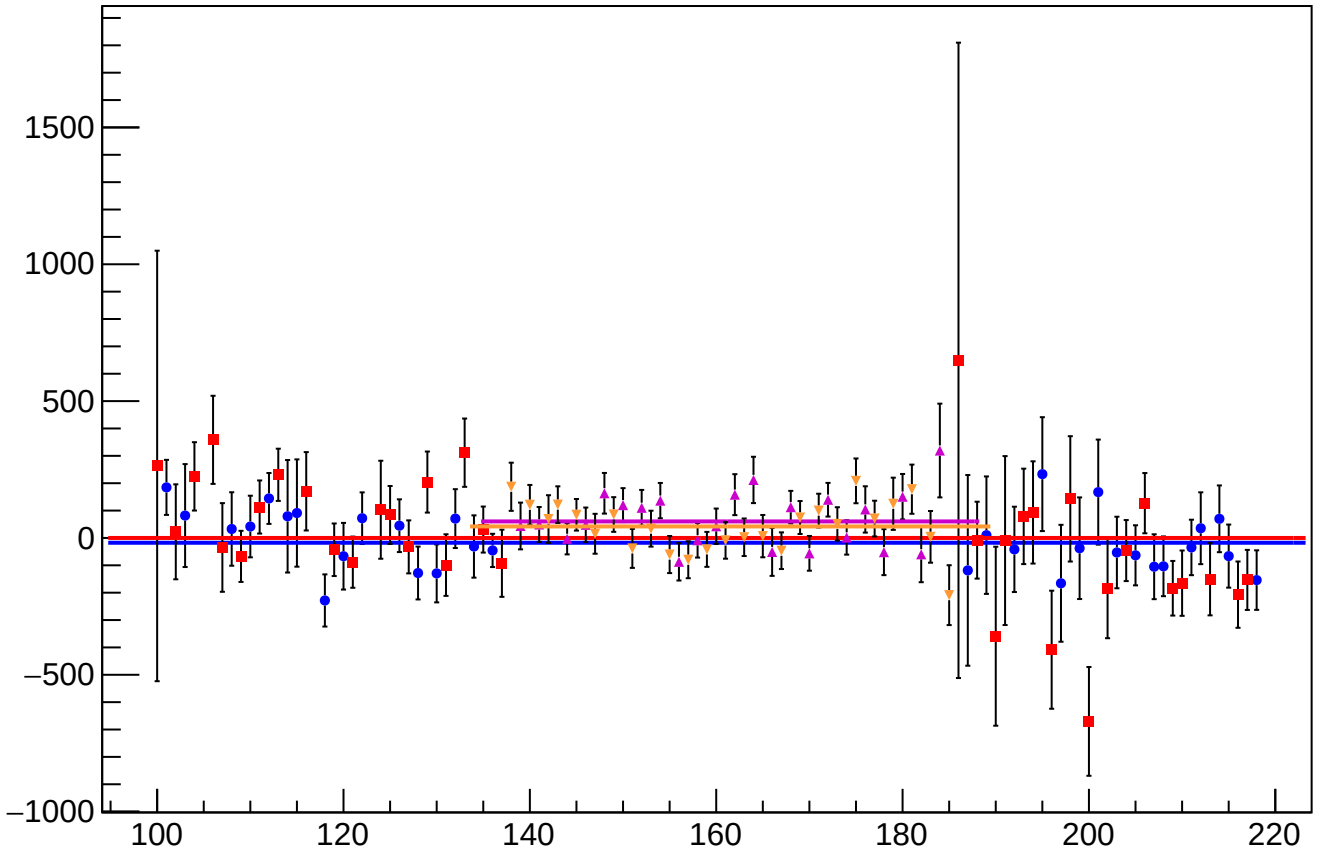
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 20060363.7/67

In: 0.000+/-0.000 χ^2/NDF:19397599.7/54

Out: 0.000+/-0.000 χ^2/NDF:21111803.2/60

All: 0.000+/-0.000 χ^2/NDF: 40541909.8/115



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: -0.035+/-21.285 χ^2/NDF: 62.1/35

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

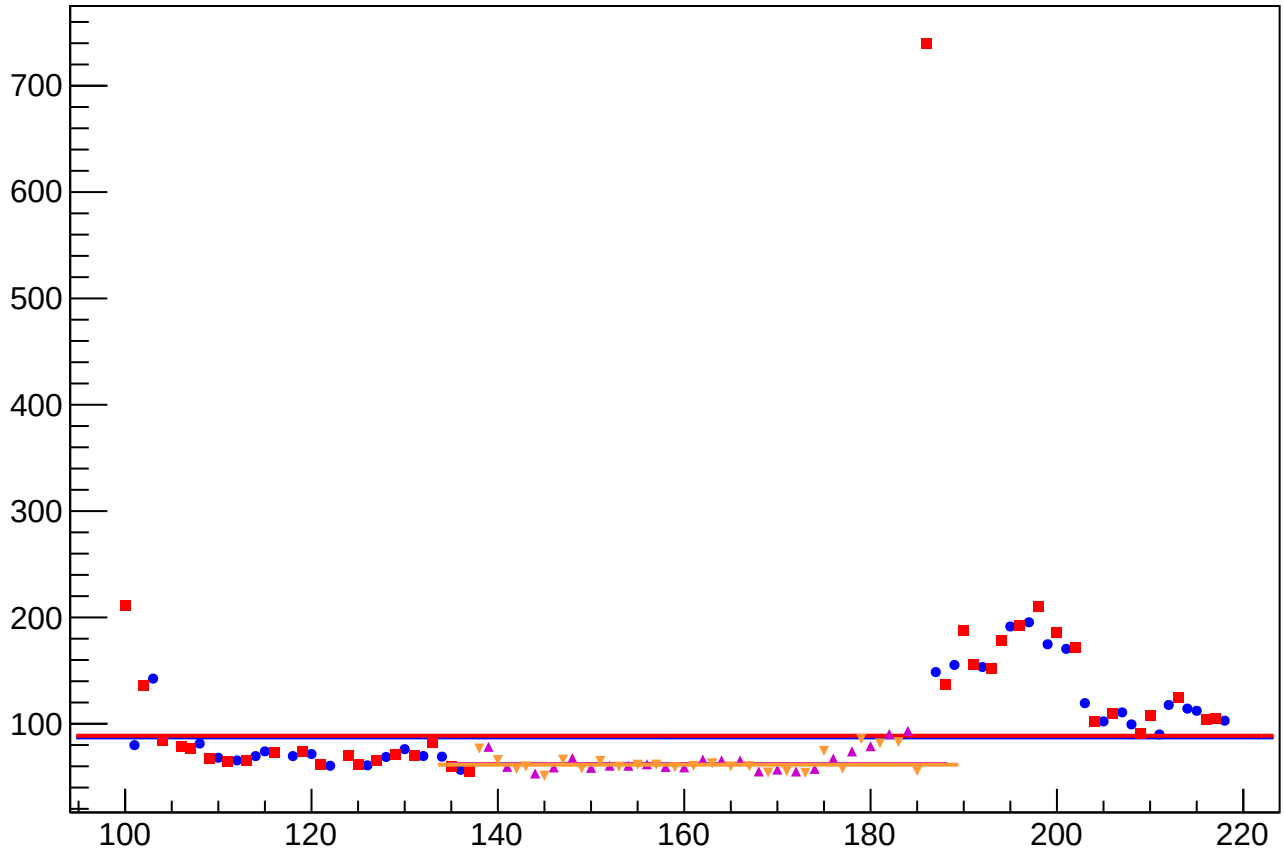
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: -8.983+/-14.884 χ^2/NDF: 87.3/67

In: 34.424+/-12.016 χ^2/NDF:66.4/54

Out: 29.086+/-11.802 χ^2/NDF:96.8/60

All: 31.707+/-8.420 χ^2/NDF: 163.3/115



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: 88.737+/-0.015 χ^2/NDF: 5718410.6/35

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

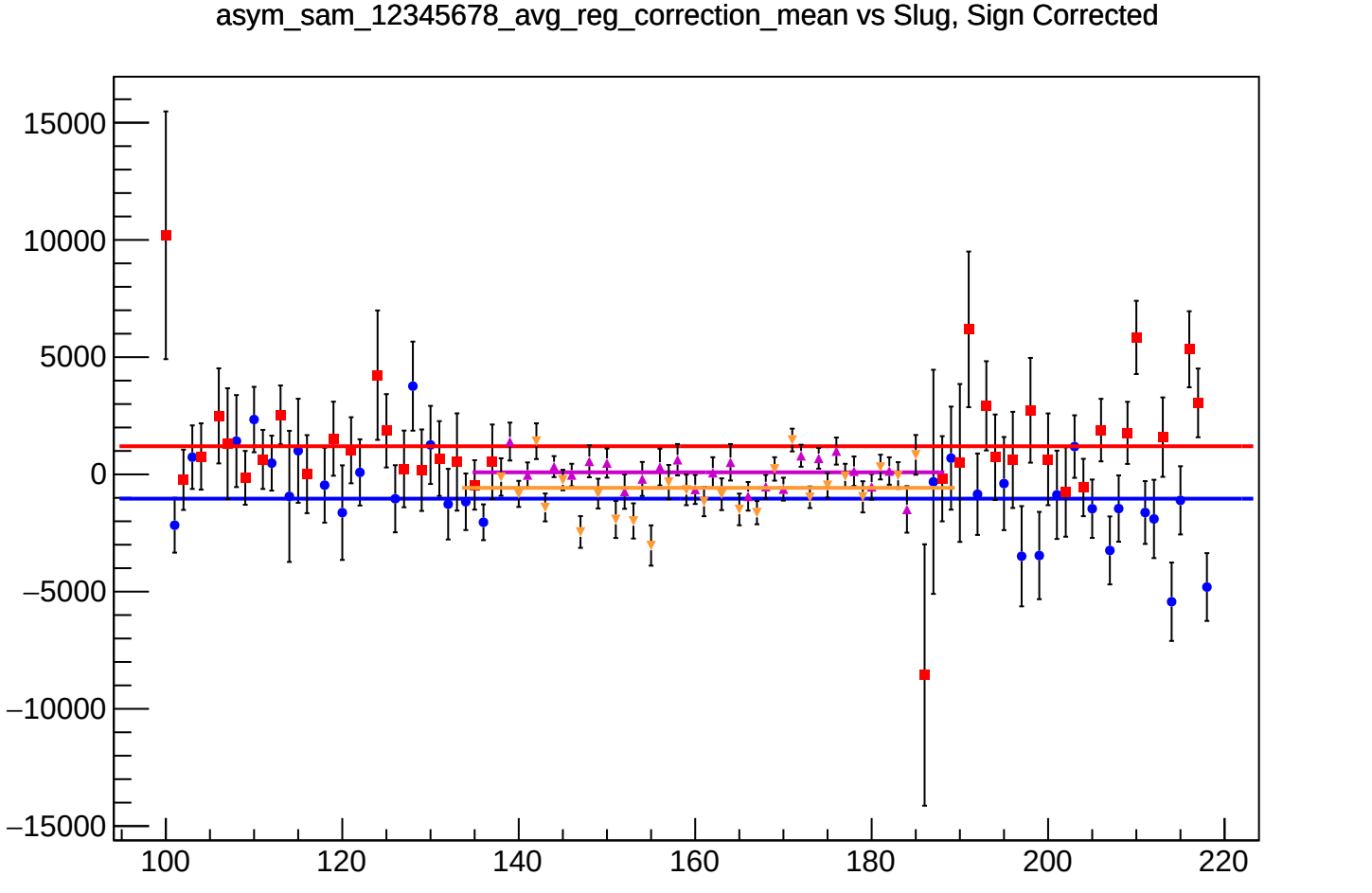
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 87.943+/-0.011 χ^2/NDF: 10280630.4/67

In: 70.484+/-0.008 χ^2/NDF:7082426.3/54

Out: 69.904+/-0.008 χ^2/NDF:8617047.5/60

All: 70.188+/-0.006 χ^2/NDF: 15701844.3/115



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: 1200.347+/-272.268 χ^2/NDF: 40.8/35

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

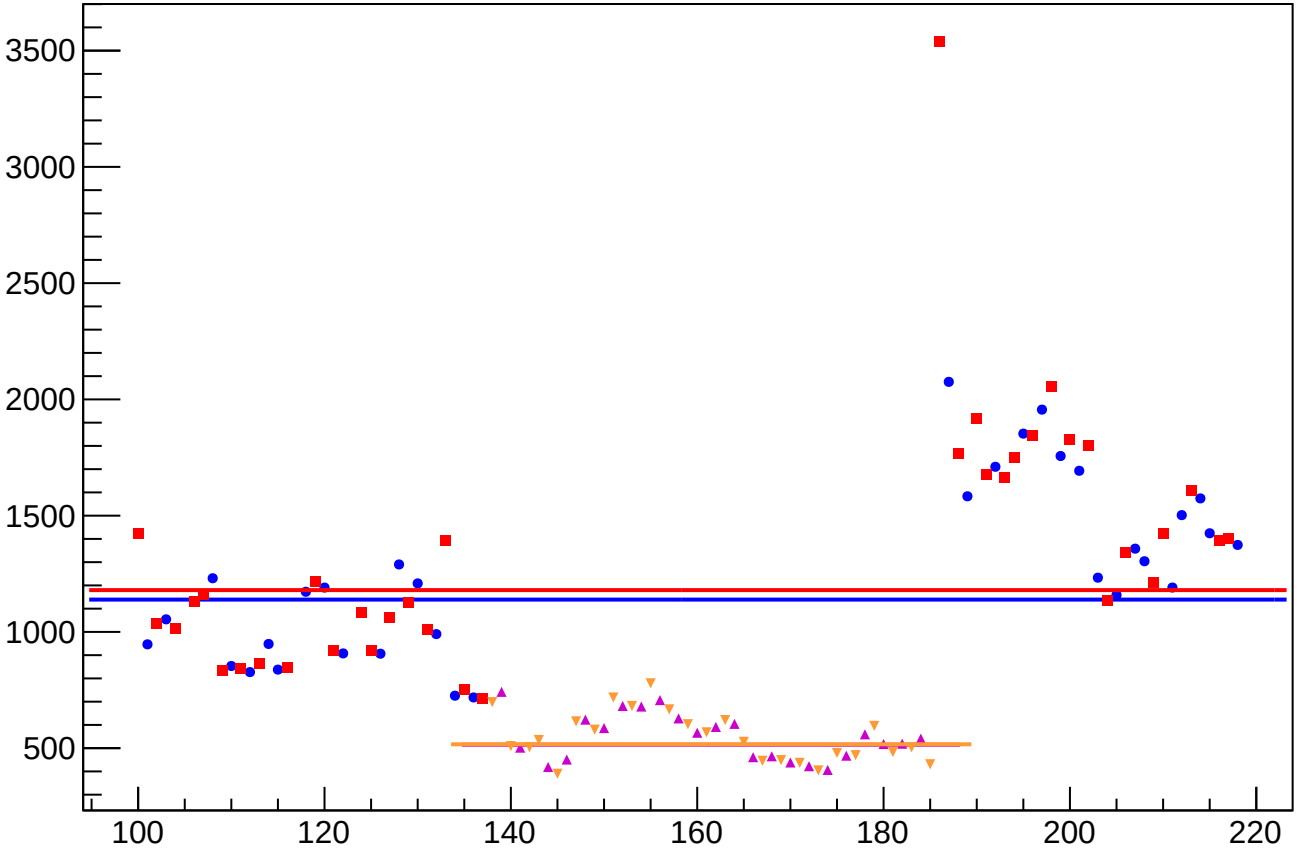
Right: 51.712+/-189.865 χ^2/NDF: 122.3/67

In: -109.654+/-111.181 χ^2/NDF:86.2/54

Out: -287.138+/-109.605 χ^2/NDF:145.3/60

All: -199.663+/-78.054 χ^2/NDF: 232.7/115

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: 1179.788+/-0.193 χ^2/NDF: 3551956.1/35

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

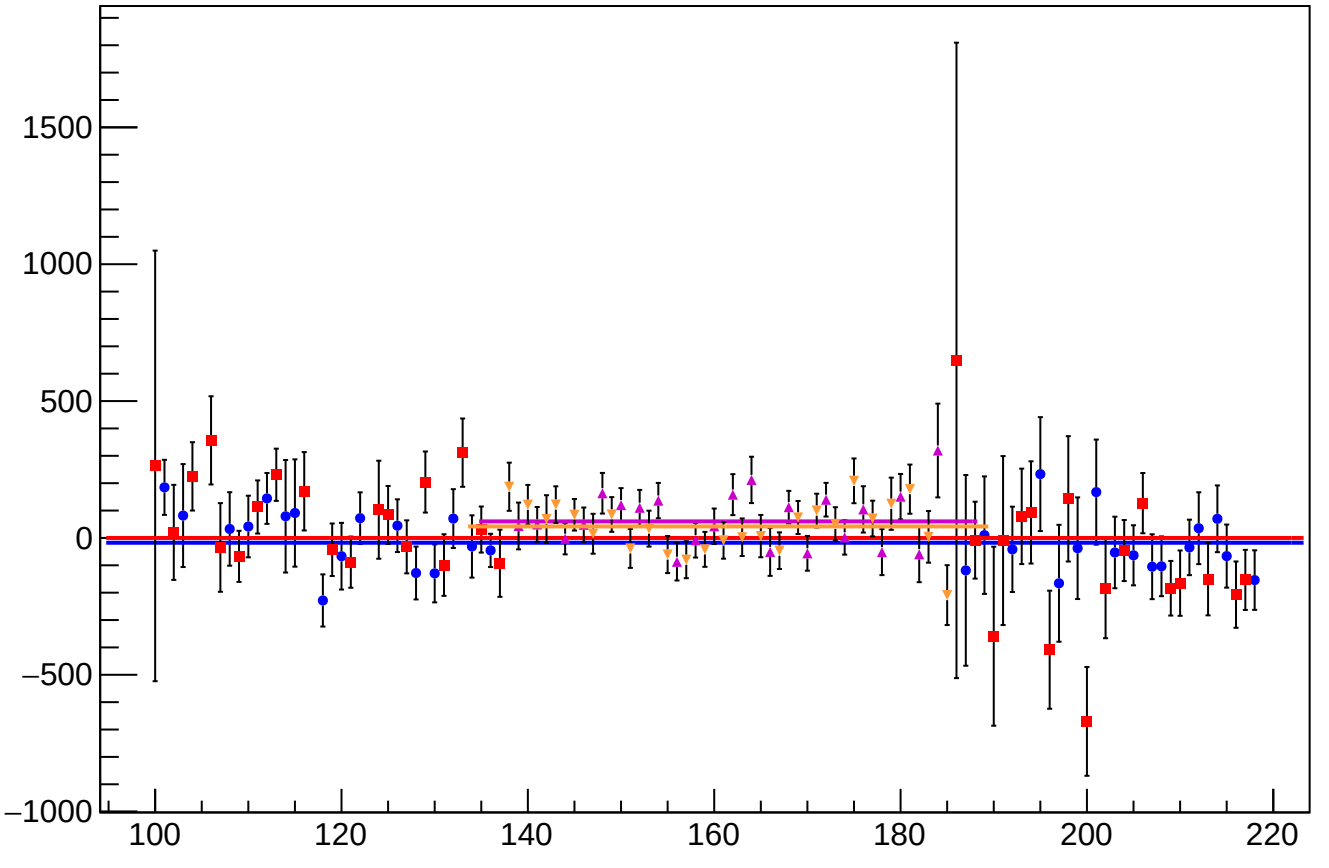
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1158.856+/-0.134 χ^2/NDF: 6664992.5/67

In: 624.746+/-0.079 χ^2/NDF:13360698.5/54

Out: 624.105+/-0.078 χ^2/NDF:14759204.1/60

All: 624.421+/-0.055 χ^2/NDF: 28119936.4/11



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: -0.115+/-21.286 χ^2/NDF: 62.0/35

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

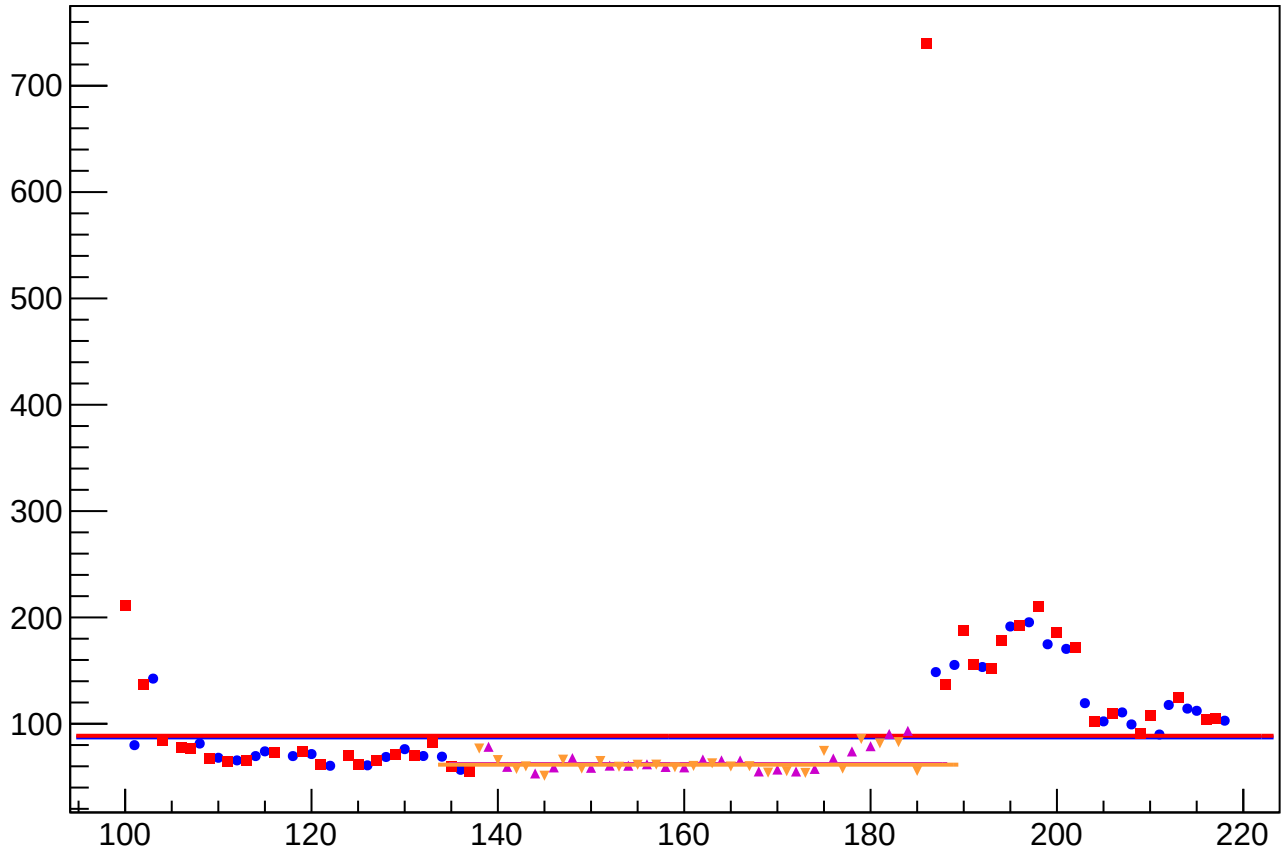
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: -9.026+/-14.885 χ^2/NDF: 87.2/67

In: 34.422+/-12.016 χ^2/NDF:66.4/54

Out: 29.066+/-11.802 χ^2/NDF:96.7/60

All: 31.696+/-8.420 χ^2/NDF: 163.3/115



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: 88.726+/-0.015 χ^2/NDF: 5719826.7/35

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

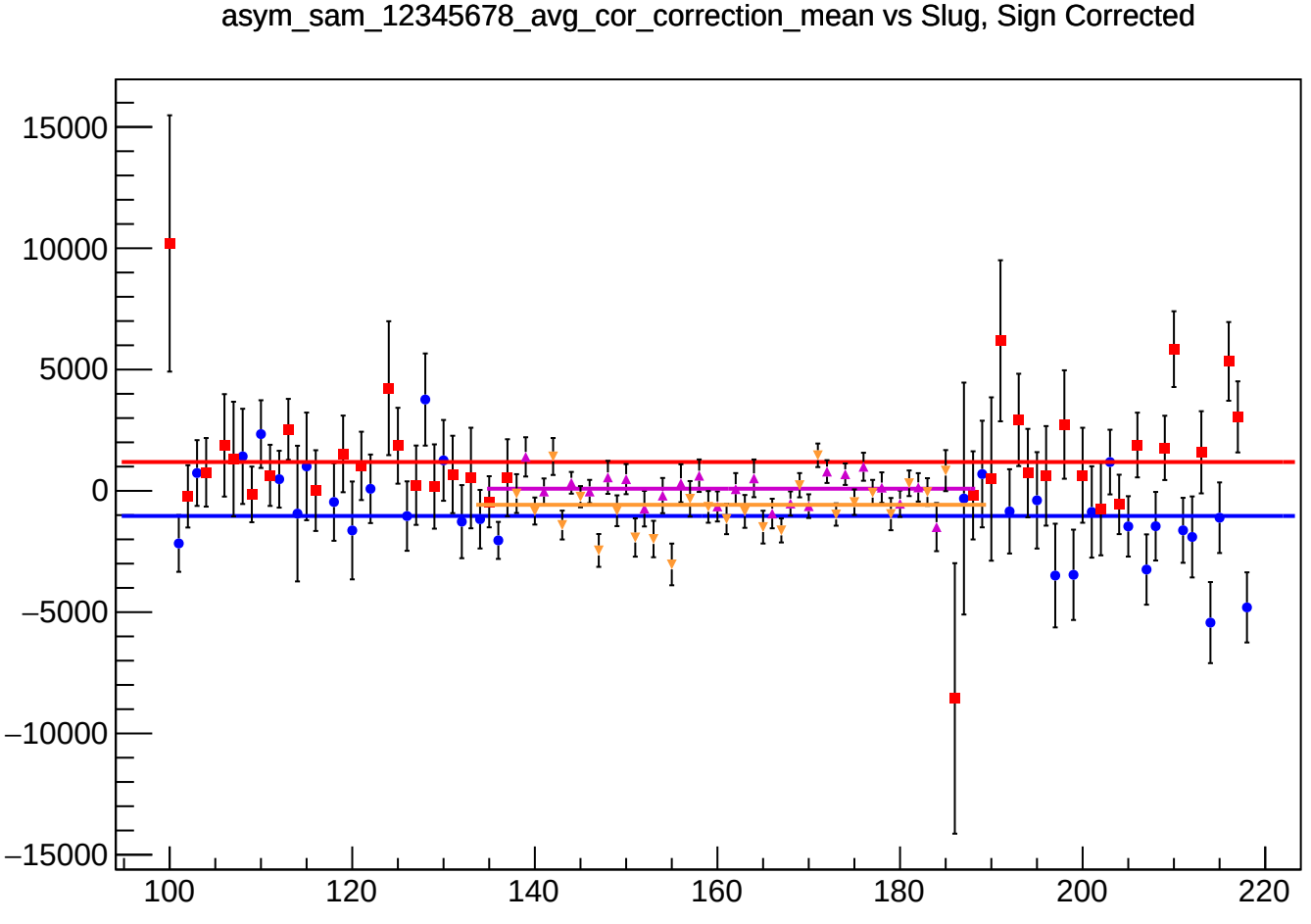
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 87.937+/-0.011 χ^2/NDF: 10281968.8/67

In: 70.484+/-0.008 χ^2/NDF:7082429.4/54

Out: 69.900+/-0.008 χ^2/NDF:8616464.8/60

All: 70.186+/-0.006 χ^2/NDF: 15701296.2/115



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: 1188.540+/-272.468 χ^2/NDF: 40.5/35

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

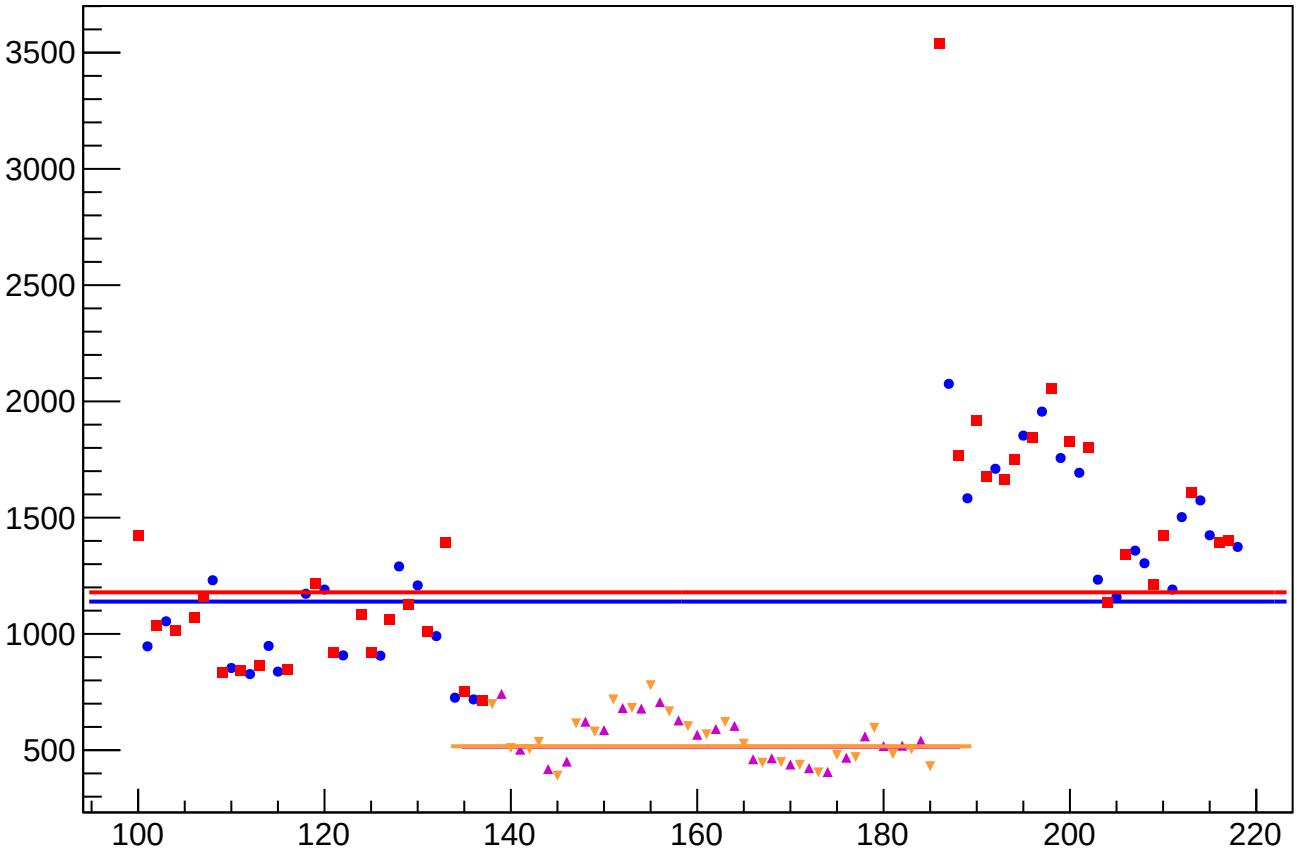
Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

Right: 45.166+/-189.933 χ^2/NDF: 121.6/67

In: -109.651+/-111.182 χ^2/NDF:86.2/54

Out: -289.397+/-109.618 χ^2/NDF:144.4/60

All: -200.796+/-78.059 χ^2/NDF: 231.9/115



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: 1178.855+/-0.193 χ^2/NDF: 3555987.3/35

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

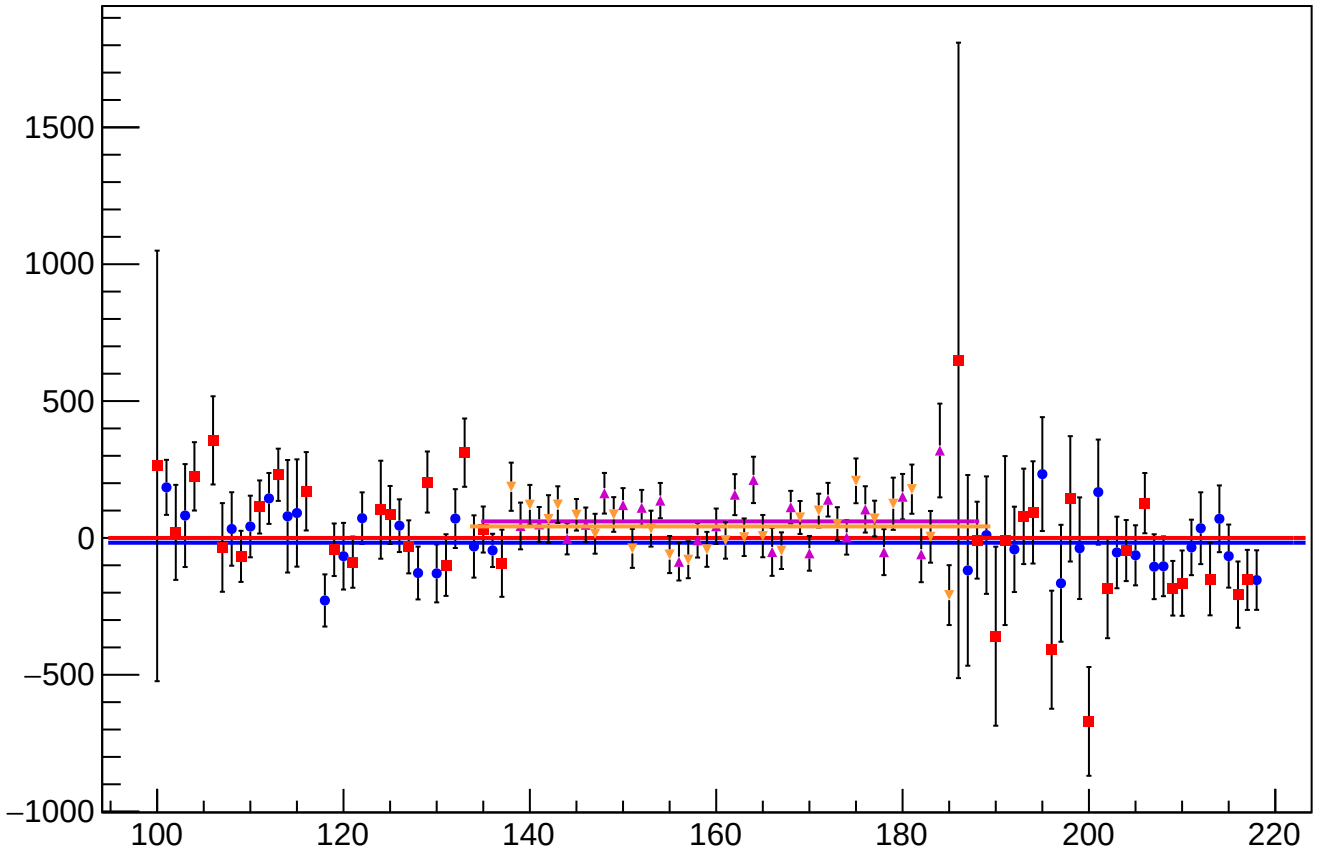
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1158.390+/-0.134 χ^2/NDF: 6667949.6/67

In: 624.746+/-0.079 χ^2/NDF:13360739.4/54

Out: 623.821+/-0.078 χ^2/NDF:14723100.9/60

All: 624.277+/-0.055 χ^2/NDF: 28083910.5/11



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: -0.115+/-21.286 χ^2/NDF: 62.0/35

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

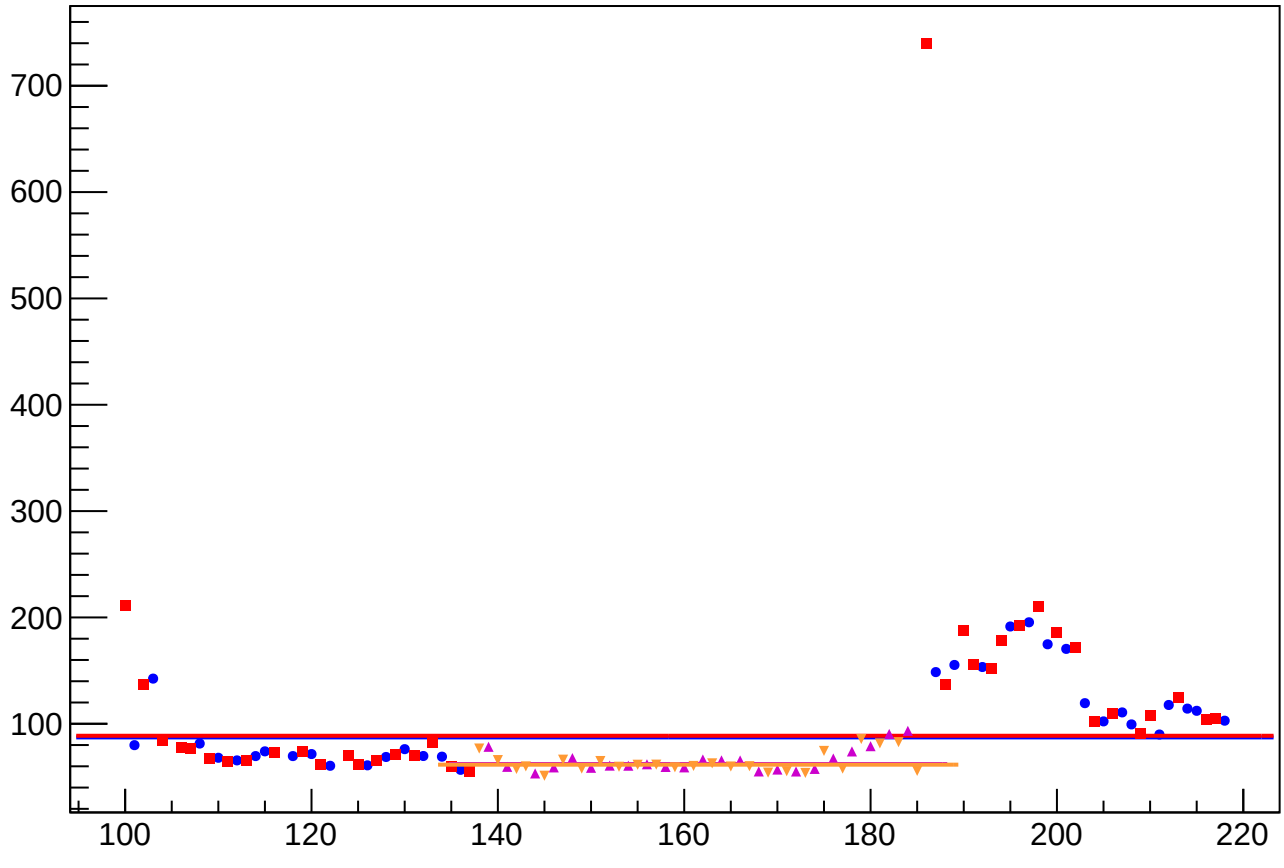
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: -9.026+/-14.885 χ^2/NDF: 87.2/67

In: 34.422+/-12.016 χ^2/NDF:66.4/54

Out: 29.066+/-11.802 χ^2/NDF:96.7/60

All: 31.696+/-8.420 χ^2/NDF: 163.3/115



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: 88.726+/-0.015 χ^2/NDF: 5719826.7/35

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

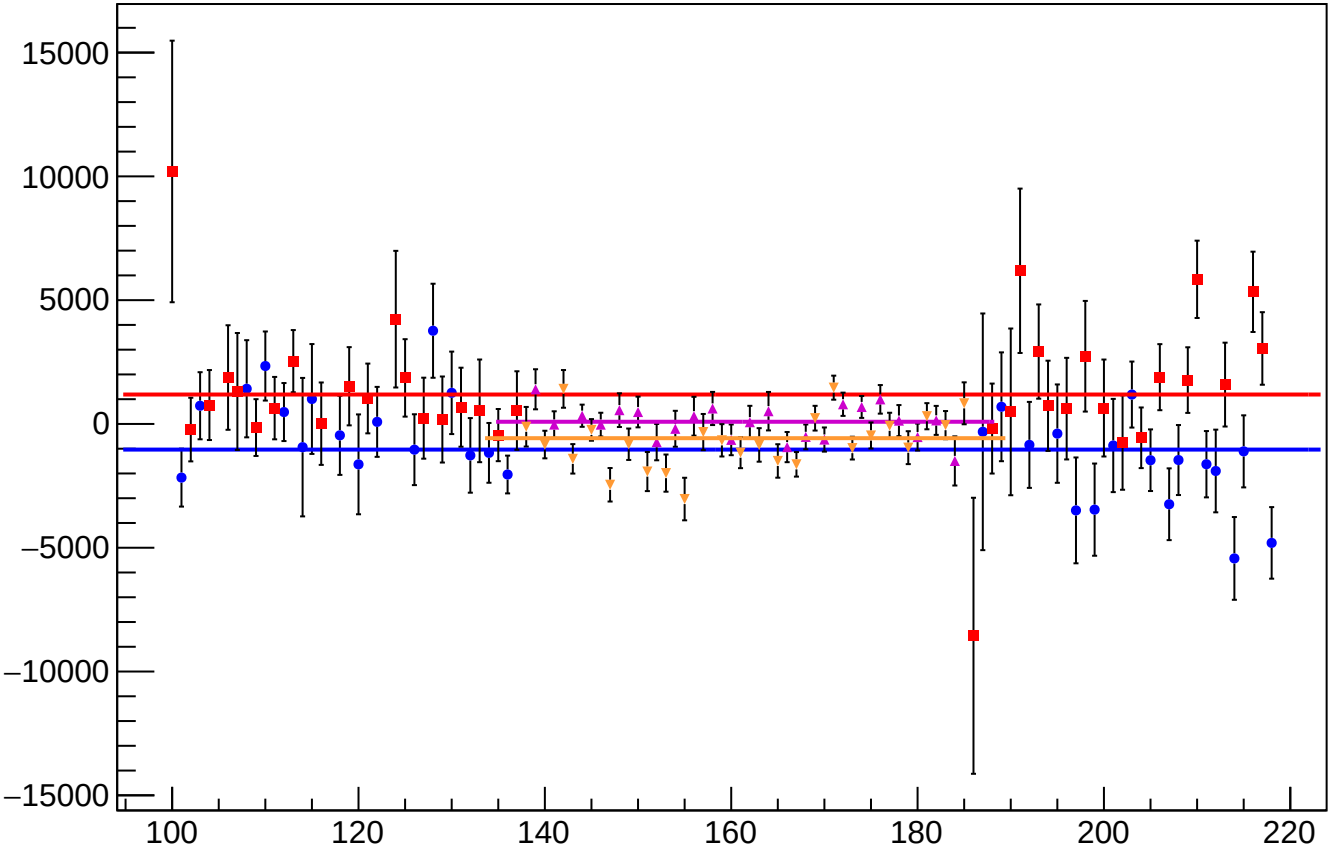
Right: 87.937+/-0.011 χ^2/NDF: 10281968.8/67

In: 70.484+/-0.008 χ^2/NDF:7082429.4/54

Out: 69.900+/-0.008 χ^2/NDF:8616464.8/60

All: 70.186+/-0.006 χ^2/NDF: 15701296.2/115

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 1188.540+/-272.468 χ^2/NDF: 40.5/35

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

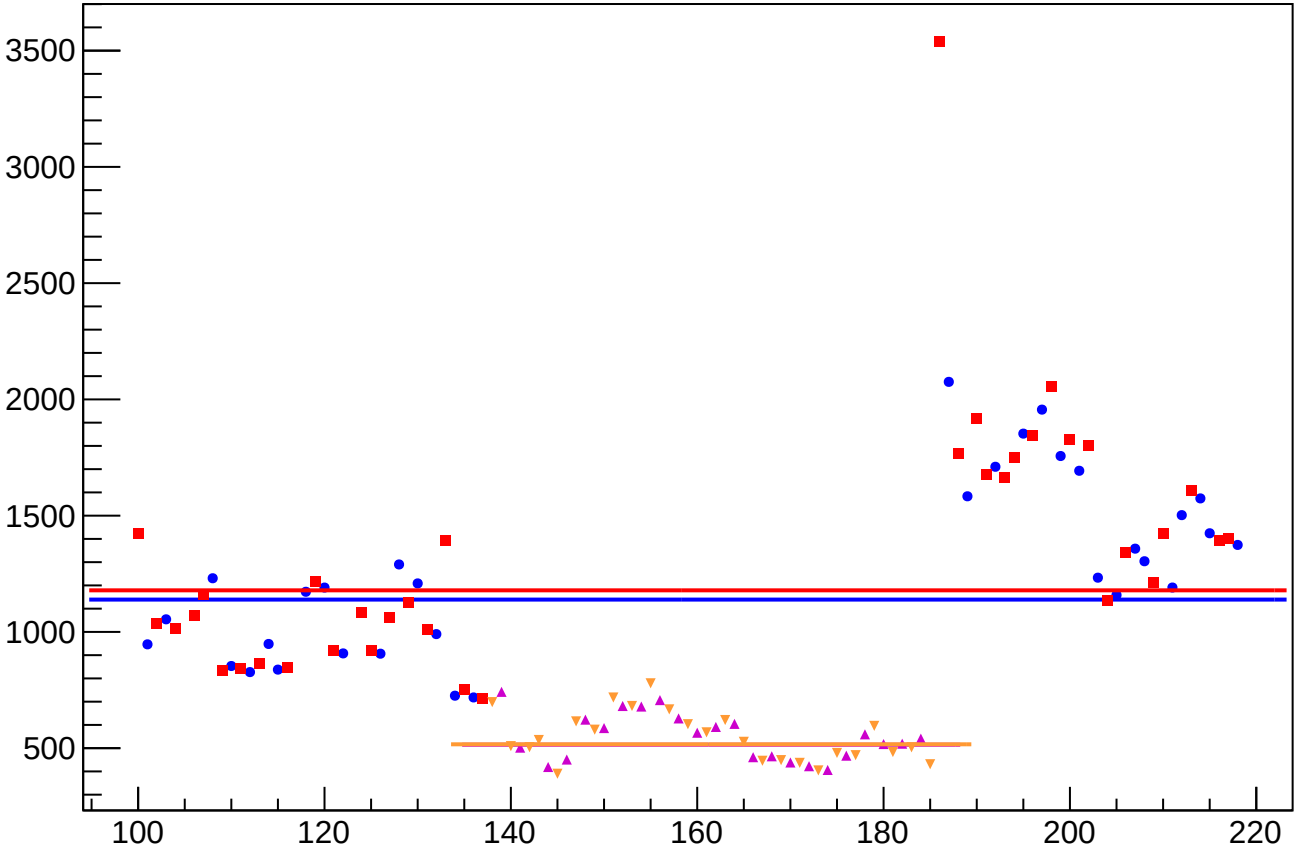
Right: 45.166+/-189.933 χ^2/NDF: 121.6/67

In: -109.651+/-111.182 χ^2/NDF:86.2/54

Out: -289.397+/-109.618 χ^2/NDF:144.4/60

All: -200.796+/-78.059 χ^2/NDF: 231.9/115

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: 1178.855+/-0.193 χ^2/NDF: 3555987.3/35

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

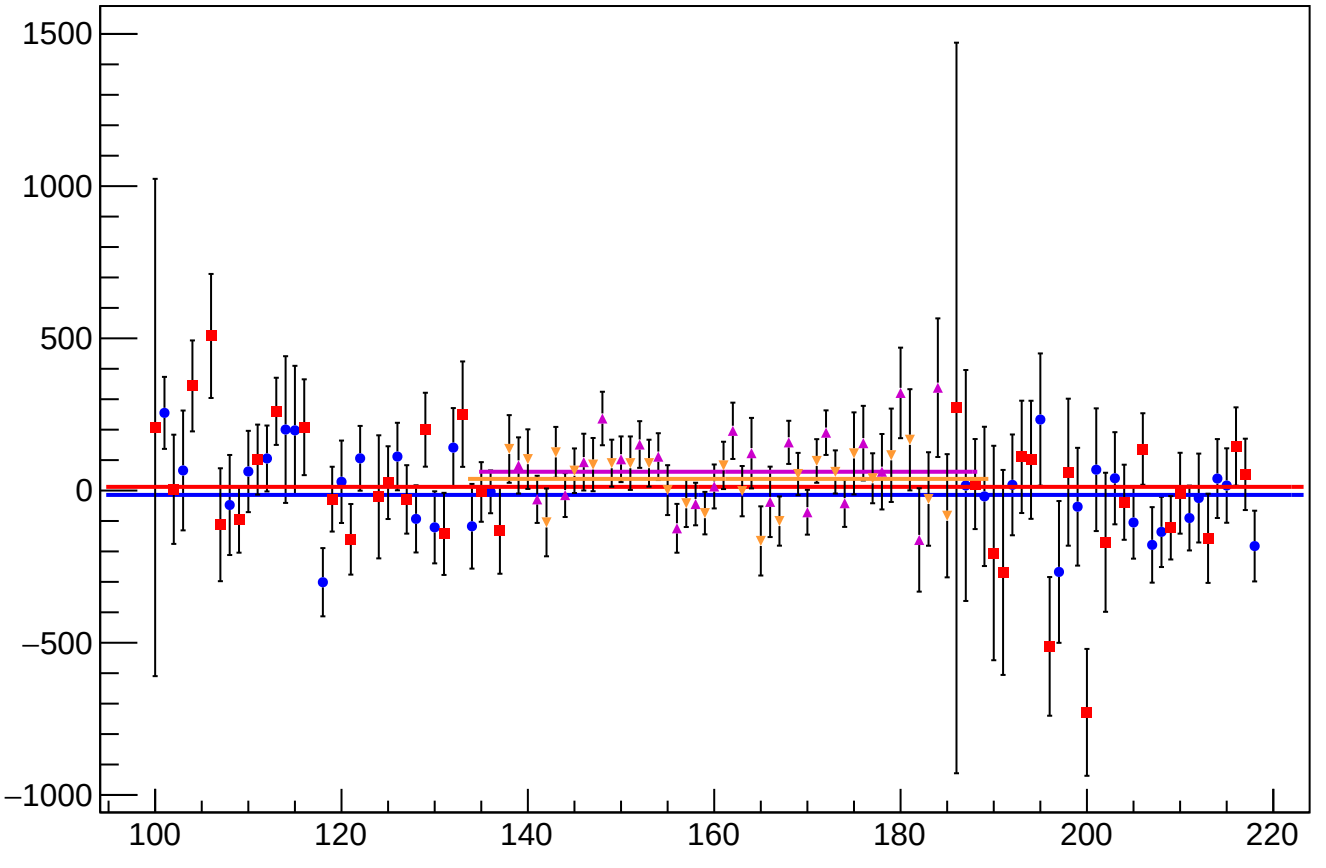
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1158.390+/-0.134 χ^2/NDF: 6667949.6/67

In: 624.746+/-0.079 χ^2/NDF:13360739.4/54

Out: 623.821+/-0.078 χ^2/NDF:14723100.9/60

All: 624.277+/-0.055 χ^2/NDF: 28083910.5/11



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: 12.086+/-24.074 χ^2/NDF: 54.5/35

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

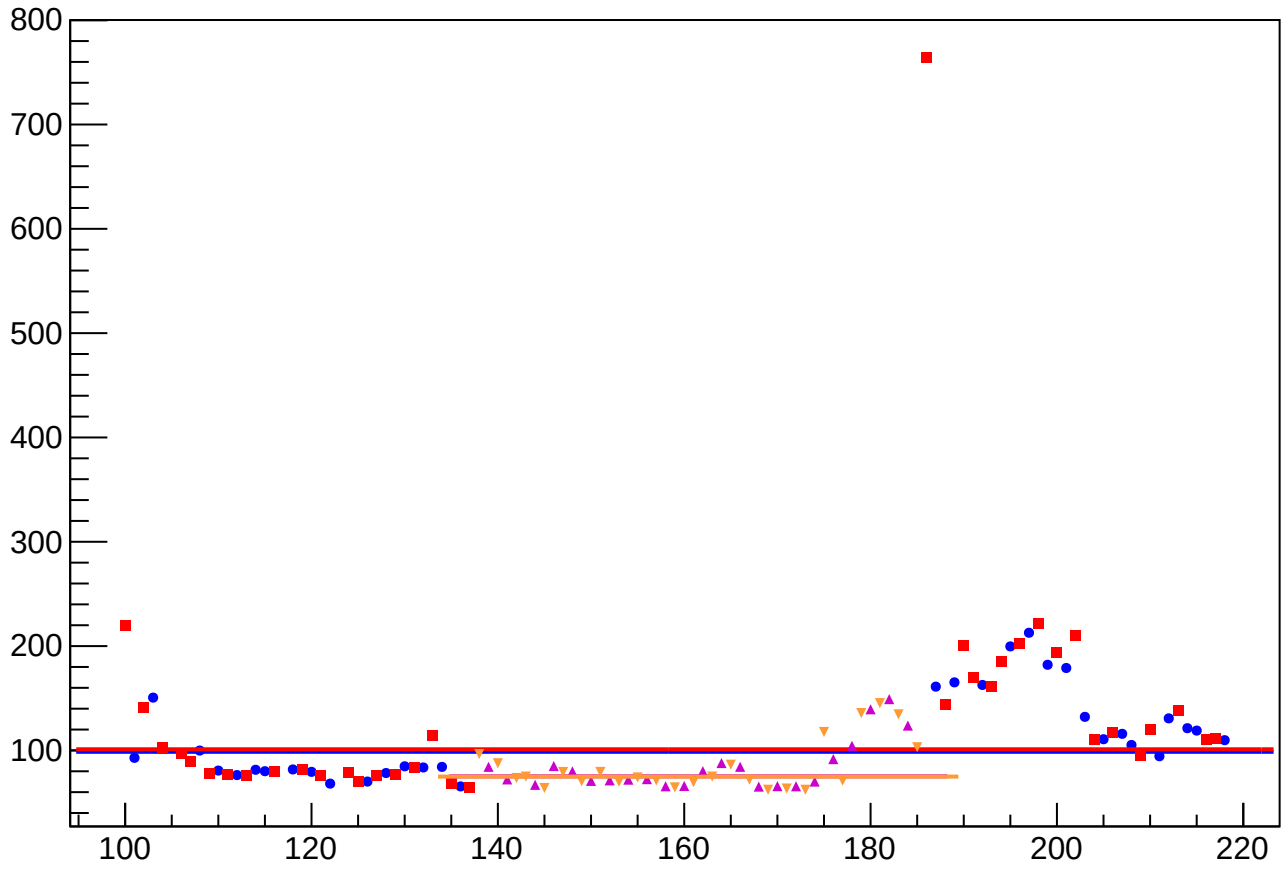
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: -1.508+/-16.772 χ^2/NDF: 85.5/67

In: 33.042+/-14.357 χ^2/NDF:73.8/54

Out: 29.110+/-14.245 χ^2/NDF:74.0/60

All: 31.061+/-10.112 χ^2/NDF: 147.8/115



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: 101.097+/-0.017 χ^2/NDF: 4980748.8/35

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

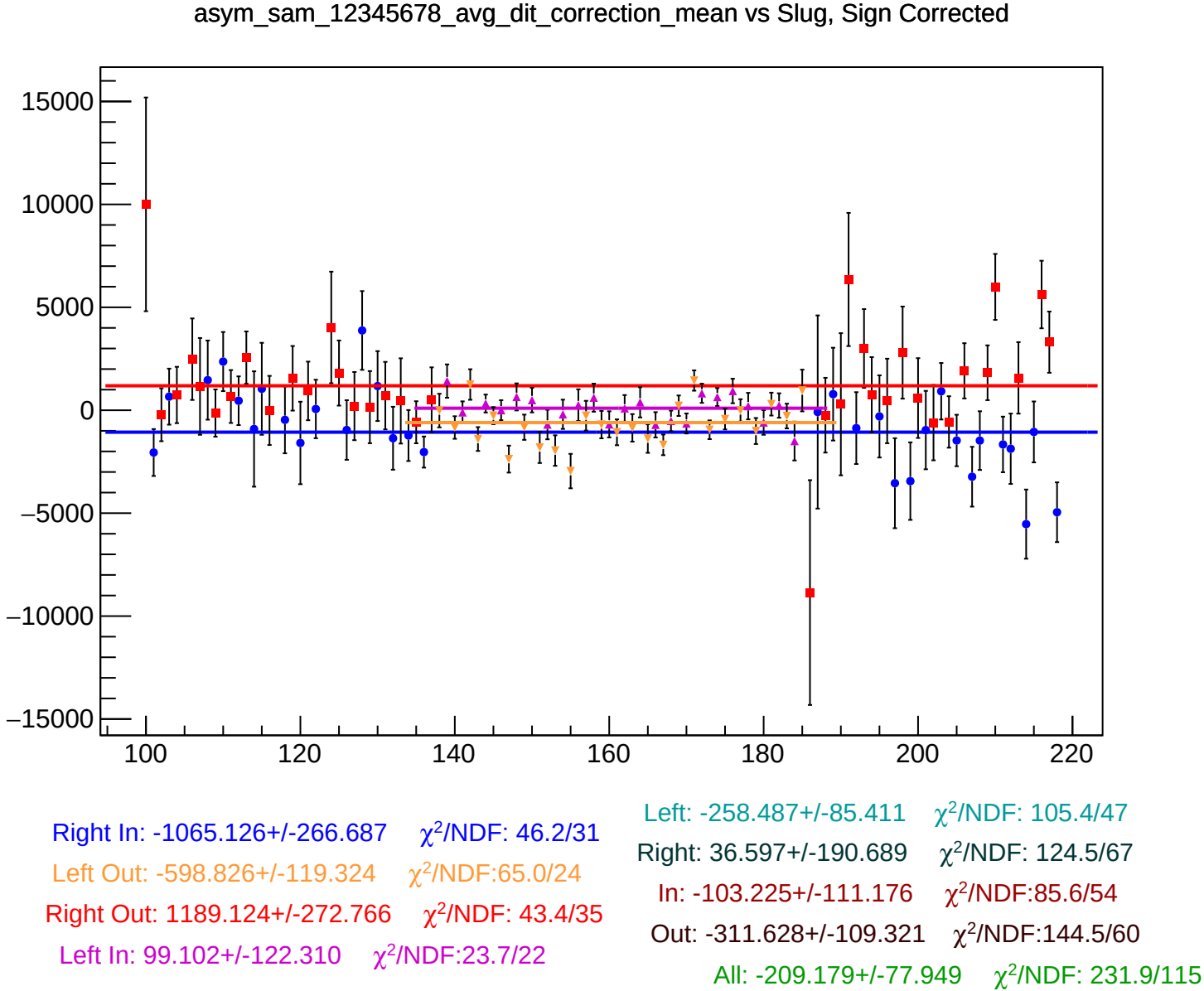
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

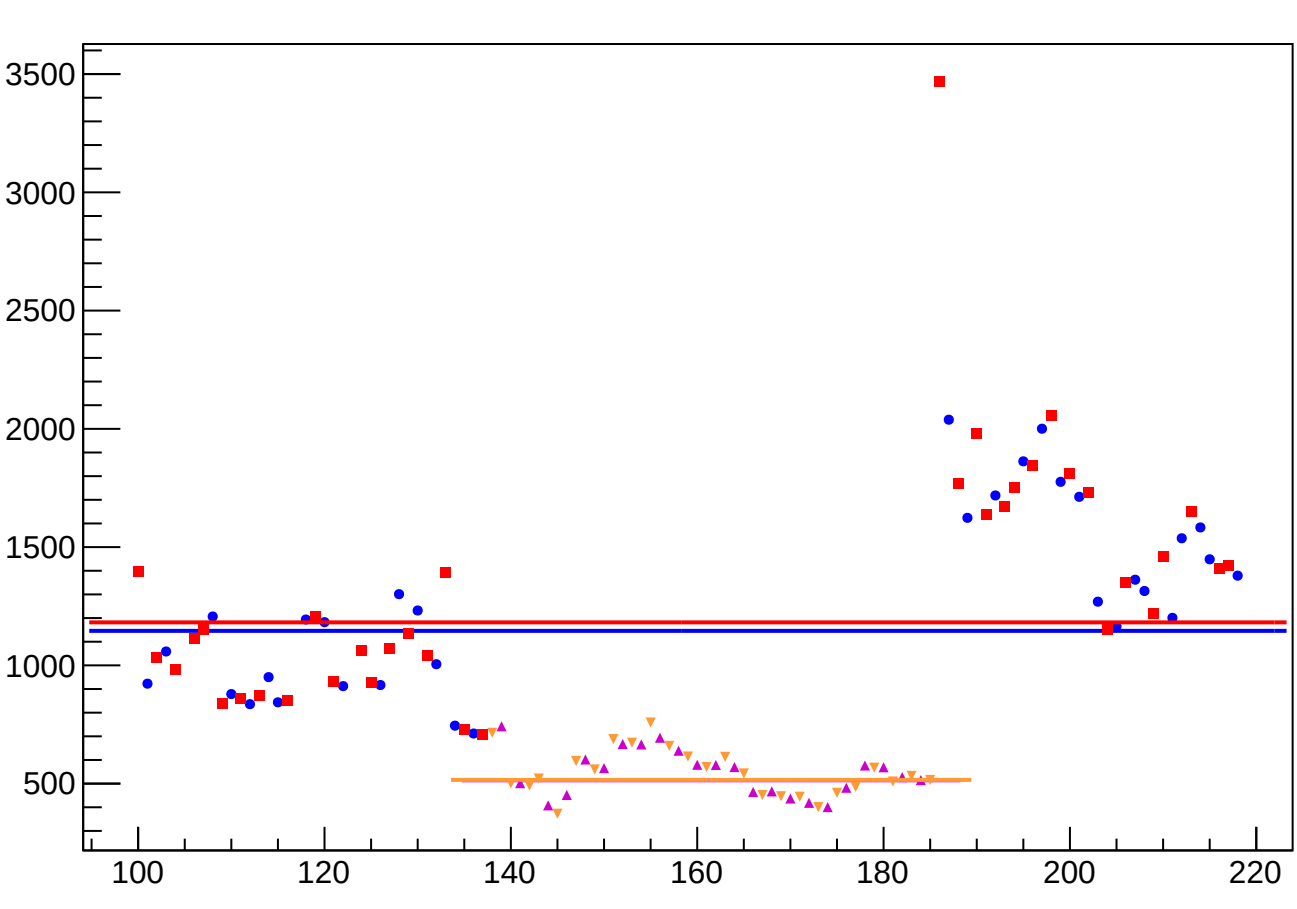
Right: 99.852+/-0.012 χ^2/NDF: 8778018.3/67

In: 84.026+/-0.010 χ^2/NDF:6360379.9/54

Out: 84.073+/-0.010 χ^2/NDF:8181137.1/60

All: 84.050+/-0.007 χ^2/NDF: 14541527.9/115


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: 1189.124+/-272.766 χ²/NDF: 43.4/35
Left In: 99.102+/-122.310 χ²/NDF:23.7/22
Left: -258.487+/-85.411 χ²/NDF: 105.4/47
Right: 36.597+/-190.689 χ²/NDF: 124.5/67
In: -103.225+/-111.176 χ²/NDF:85.6/54
Out: -311.628+/-109.321 χ²/NDF:144.5/60
All: -209.179+/-77.949 χ²/NDF: 231.9/115



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: 1181.822+/-0.193 χ^2/NDF: 3582970.1/35

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

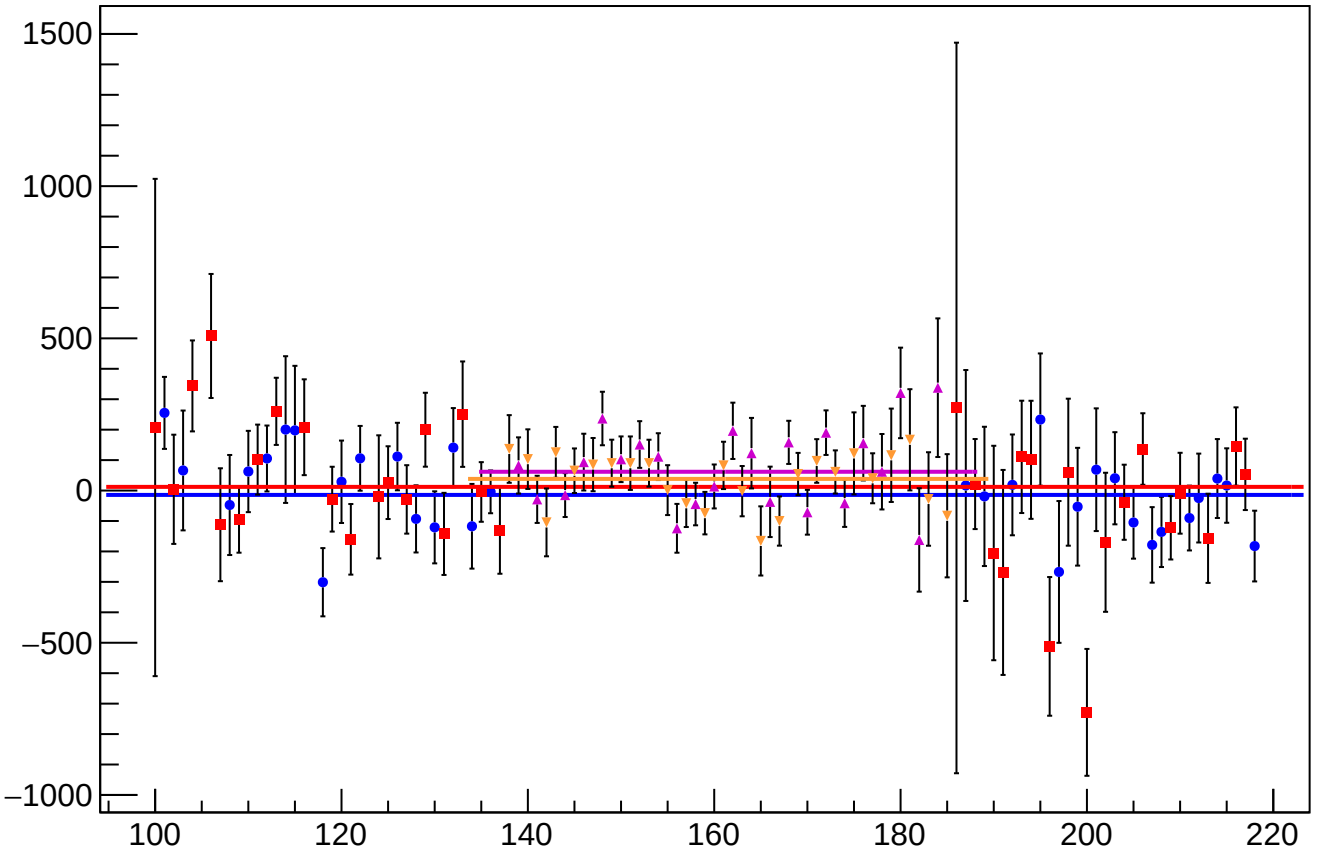
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1163.461+/-0.135 χ^2/NDF: 6761928.7/67

In: 623.890+/-0.079 χ^2/NDF:13552983.7/54

Out: 622.751+/-0.077 χ^2/NDF:14825324.9/60

All: 623.311+/-0.055 χ^2/NDF: 28378415.4/11



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: 12.084+/-24.074 χ^2/NDF: 54.5/35

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

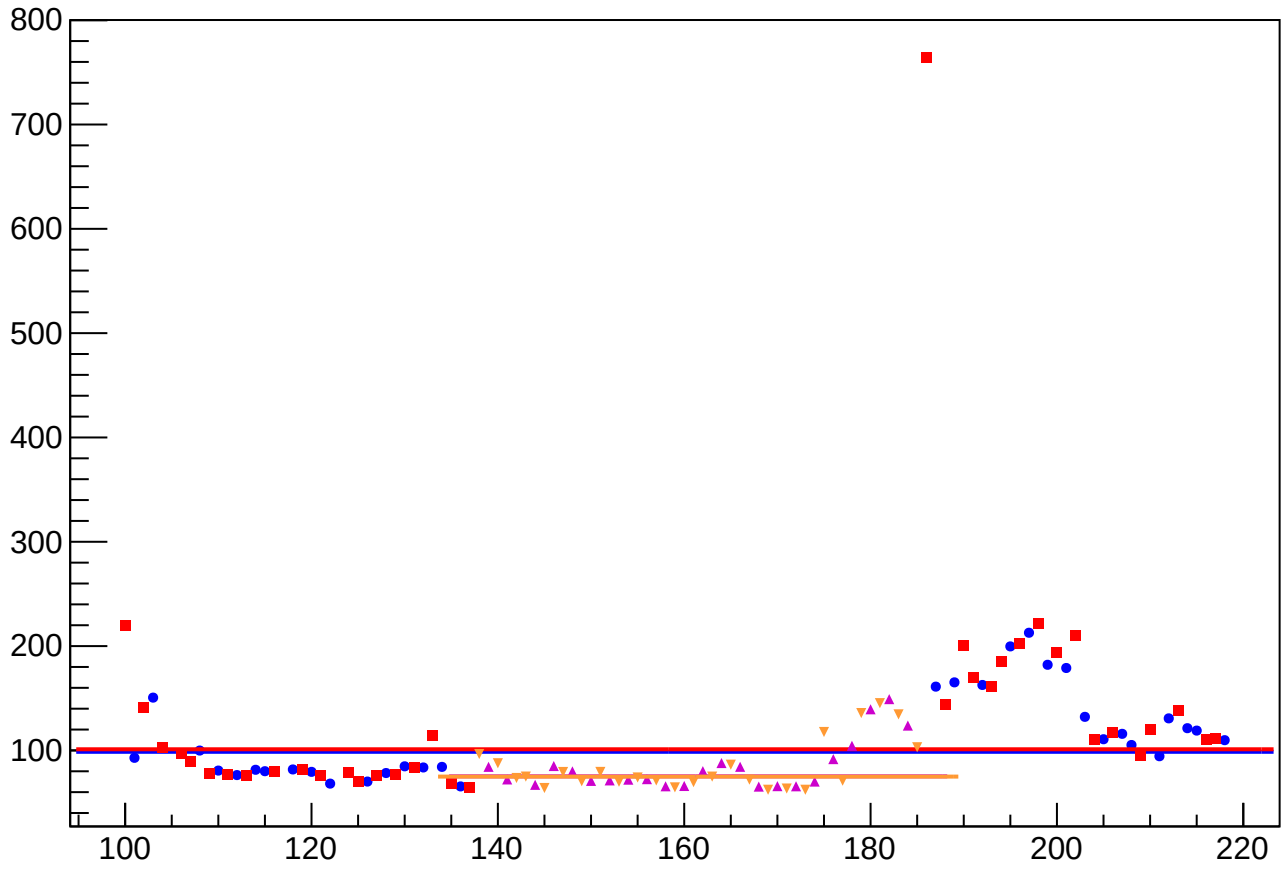
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: -1.509+/-16.772 χ^2/NDF: 85.5/67

In: 33.042+/-14.357 χ^2/NDF:73.8/54

Out: 29.110+/-14.245 χ^2/NDF:74.0/60

All: 31.060+/-10.112 χ^2/NDF: 147.8/115



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: 101.097+/-0.017 χ^2/NDF: 4980776.8/35

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

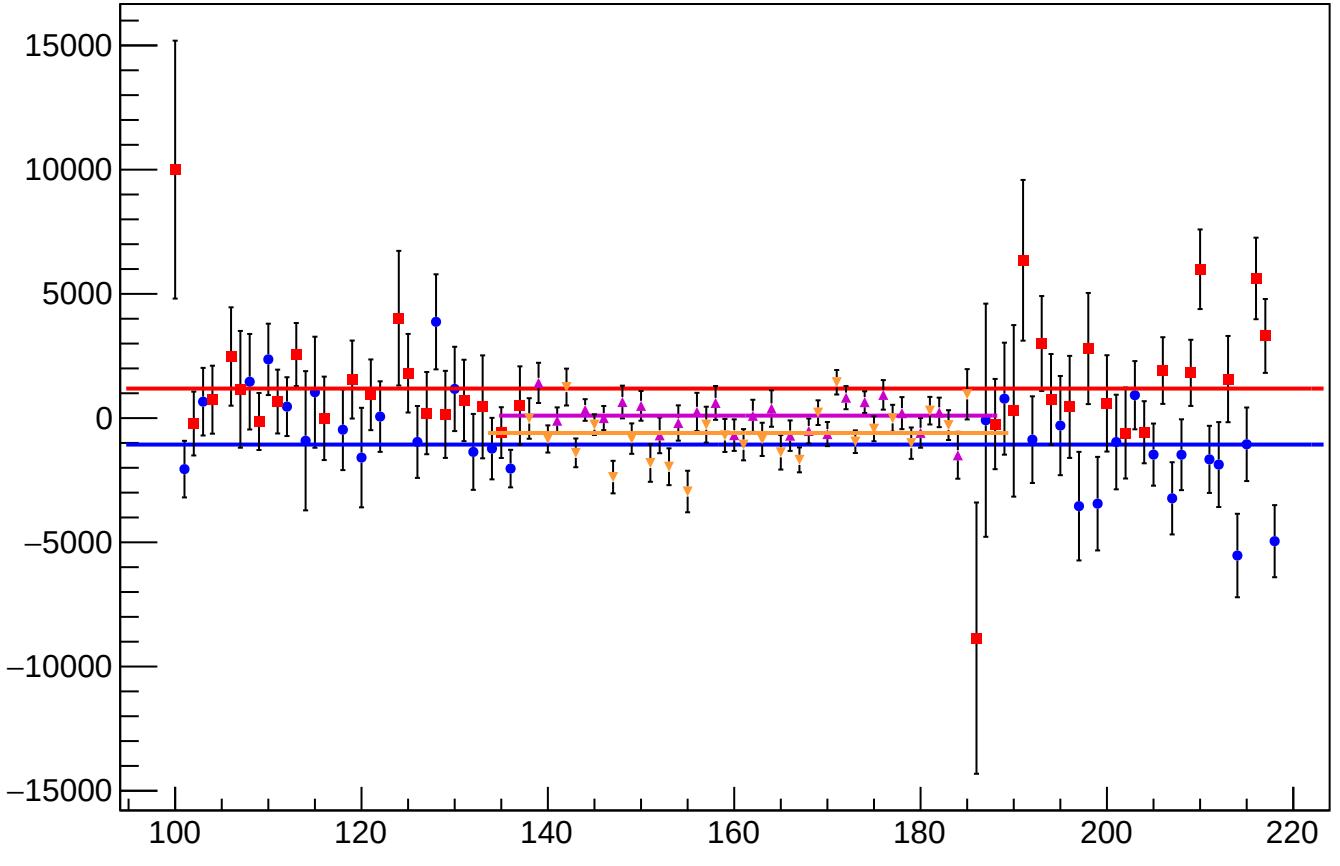
Right: 99.852+/-0.012 χ^2/NDF: 8778060.3/67

In: 84.026+/-0.010 χ^2/NDF:6360329.2/54

Out: 84.074+/-0.010 χ^2/NDF:8181114.7/60

All: 84.050+/-0.007 χ^2/NDF: 14541454.9/115

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 1189.121+/-272.766 χ^2/NDF: 43.4/35

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

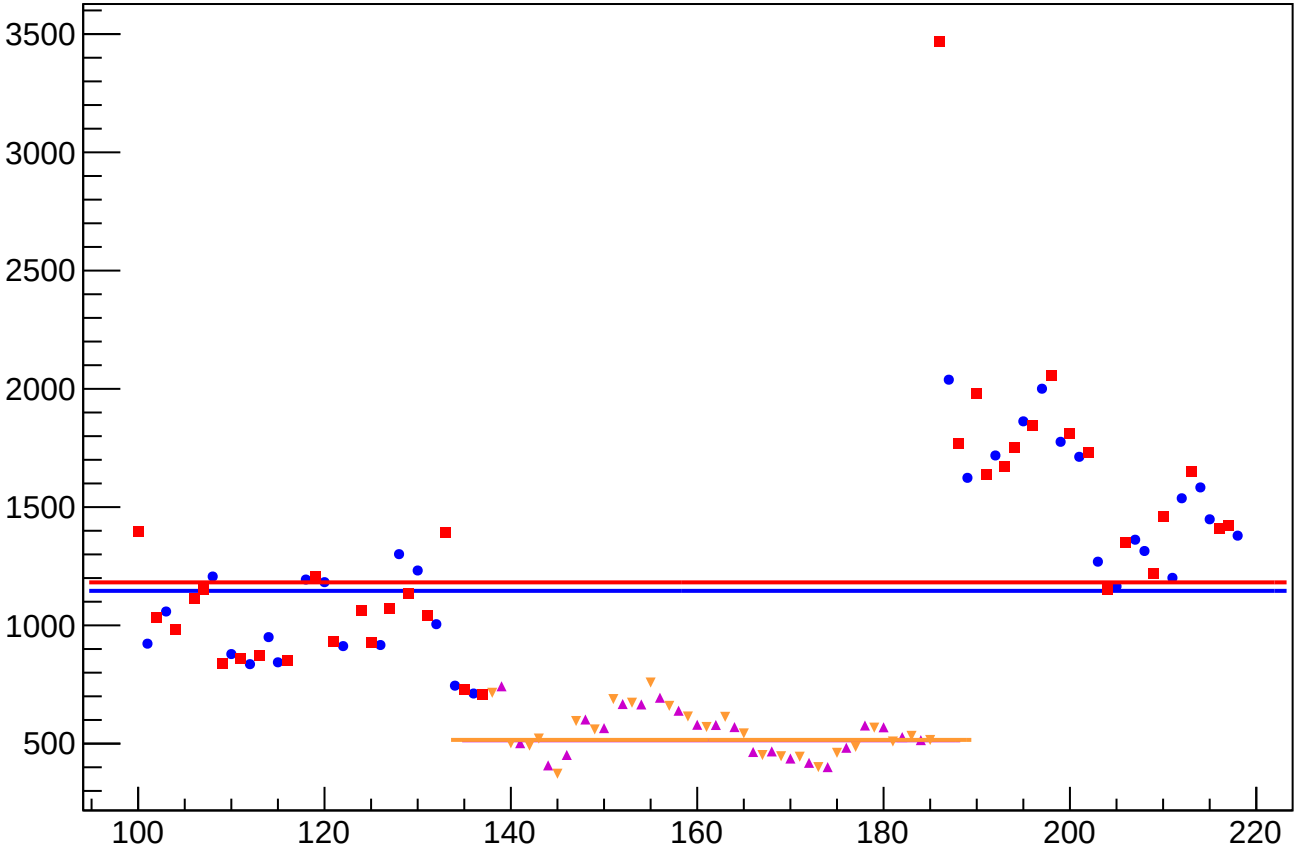
Right: 36.598+/-190.689 χ^2/NDF: 124.5/67

In: -103.225+/-111.175 χ^2/NDF:85.6/54

Out: -311.628+/-109.321 χ^2/NDF:144.5/60

All: -209.179+/-77.949 χ^2/NDF: 231.9/115

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: 1181.819+/-0.193 χ^2/NDF: 3582983.5/35

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

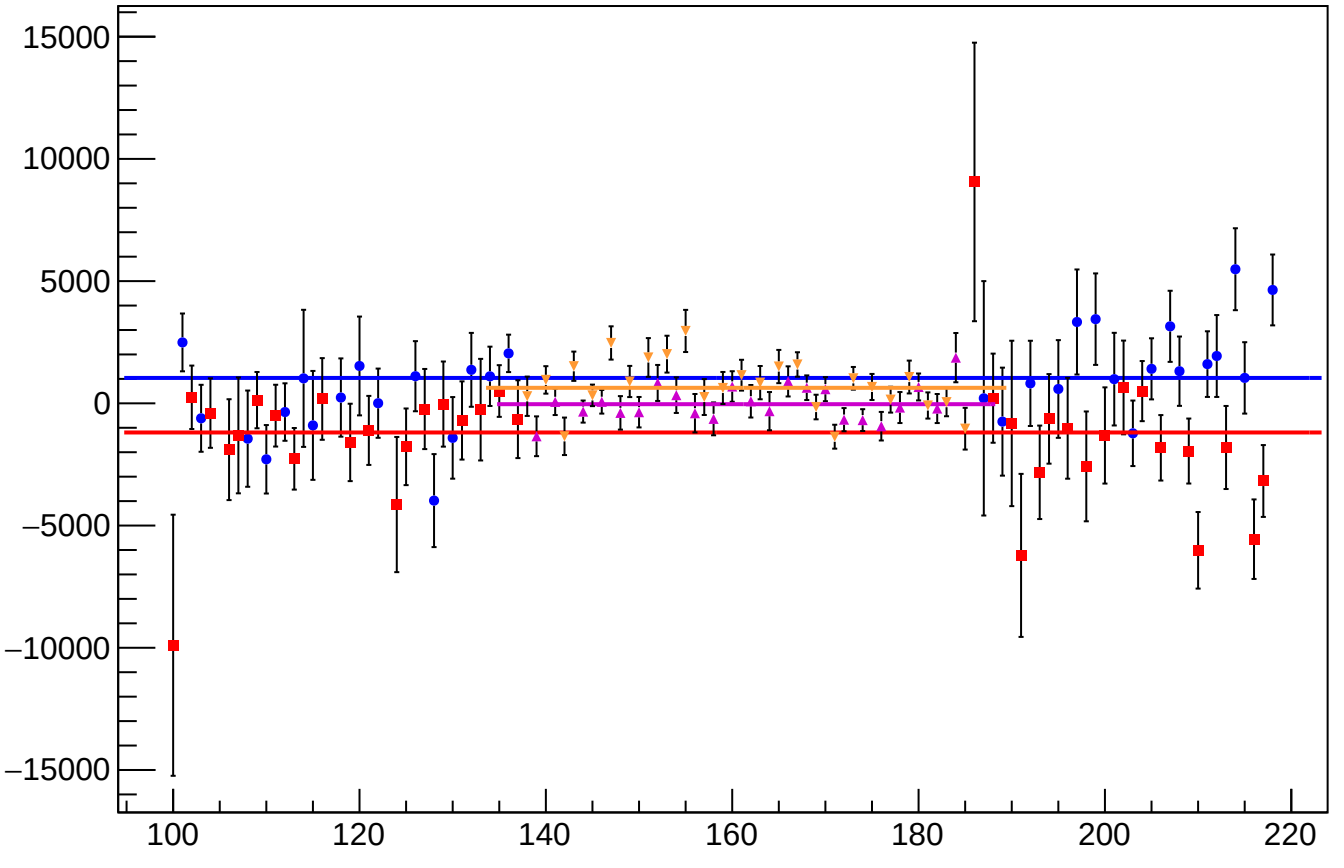
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1163.459+/-0.135 χ^2/NDF: 6761952.7/67

In: 623.889+/-0.079 χ^2/NDF:13552990.1/54

Out: 622.750+/-0.077 χ^2/NDF:14825338.4/60

All: 623.310+/-0.055 χ^2/NDF: 28378435.2/11



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: -1192.183+/-273.385 χ^2/NDF: 41.8/35

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

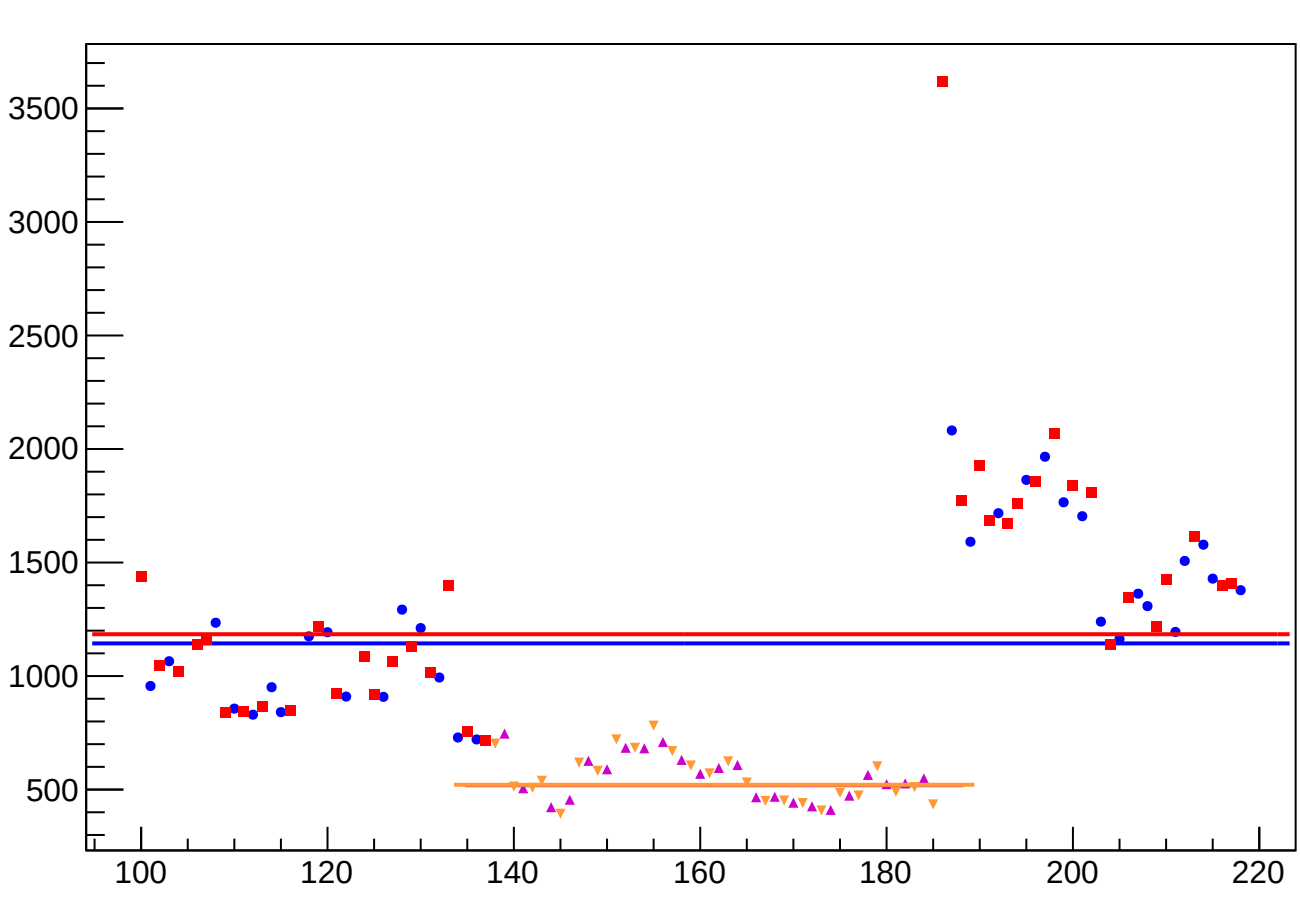
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -45.891+/-190.649 χ^2/NDF: 122.4/67

In: 155.715+/-112.029 χ^2/NDF:84.9/54

Out: 336.686+/-110.430 χ^2/NDF:143.6/60

All: 247.501+/-78.645 χ^2/NDF: 229.9/115



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: 1184.239+/-0.193 χ^2/NDF: 3565127.5/35

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

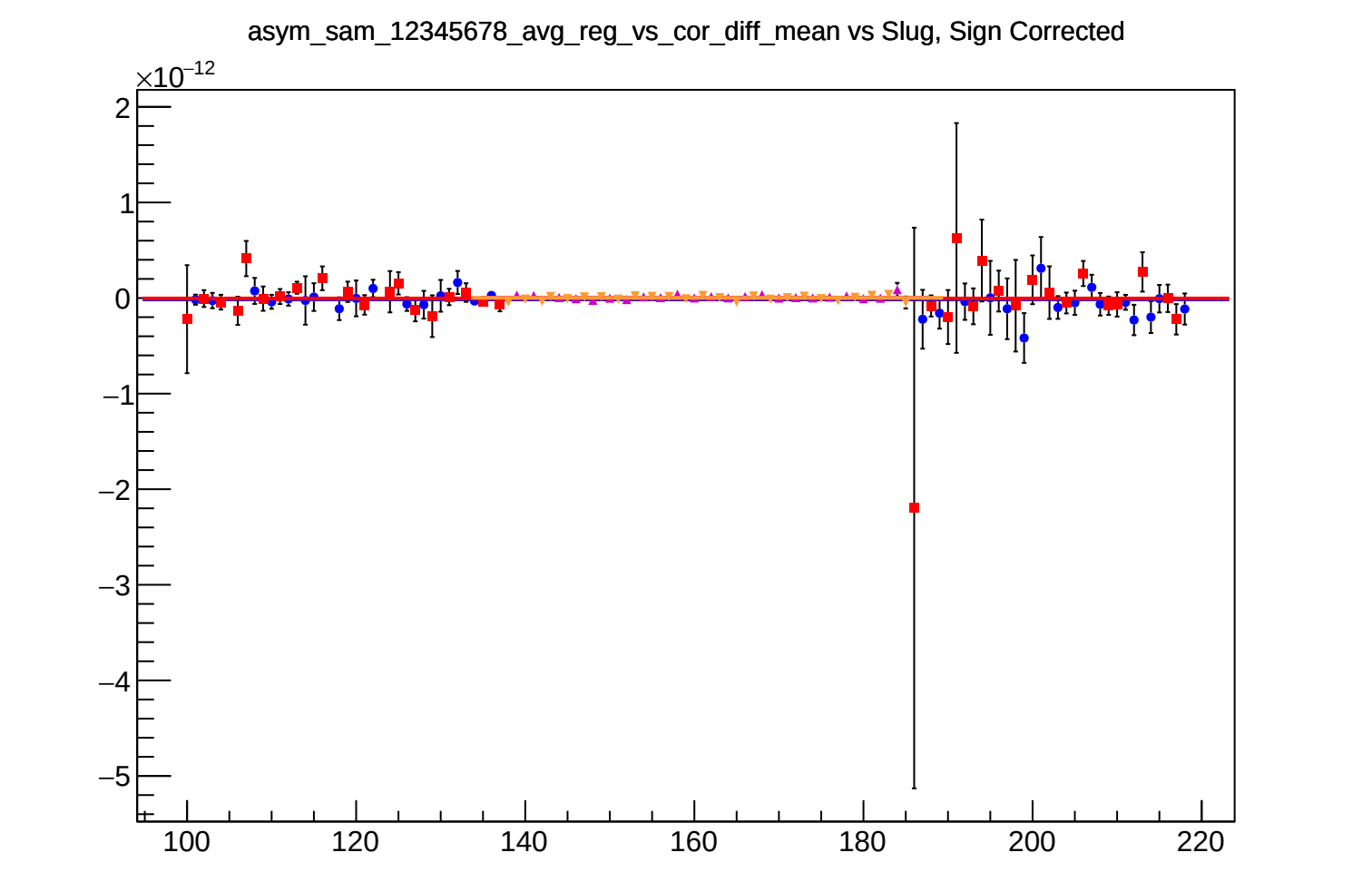
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

Right: 1163.454+/-0.135 χ^2/NDF: 6677318.9/67

In: 630.015+/-0.079 χ^2/NDF:13259595.3/54

Out: 629.238+/-0.078 χ^2/NDF:14657951.0/60

All: 629.621+/-0.056 χ^2/NDF: 27917595.0/1



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/31

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/35

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

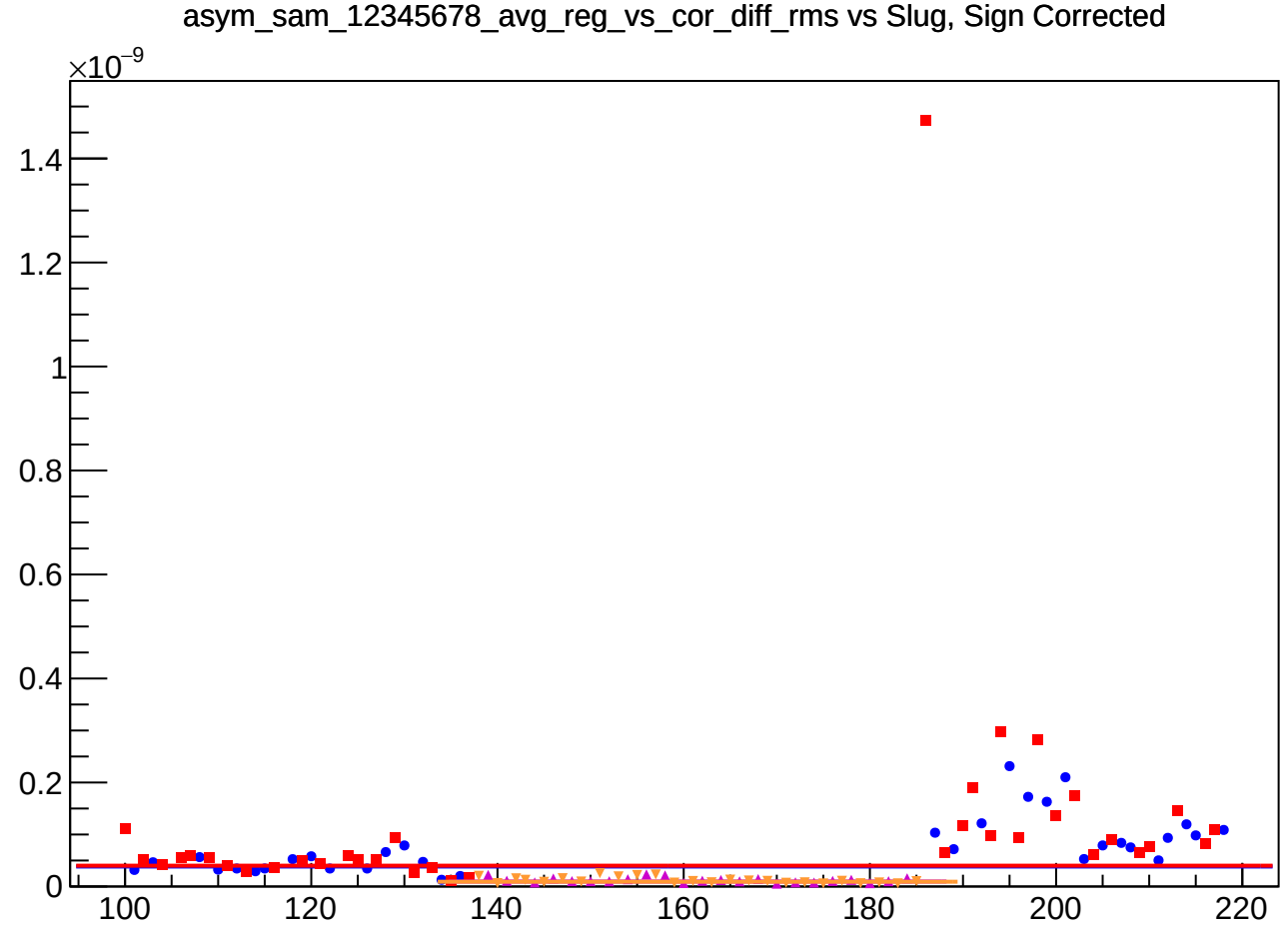
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 49.6/67

In: 0.000+/-0.000 χ^2/NDF:29.7/54

Out: 0.000+/-0.000 χ^2/NDF:54.4/60

All: 0.000+/-0.000 χ^2/NDF: 84.2/115



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: 7097658.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

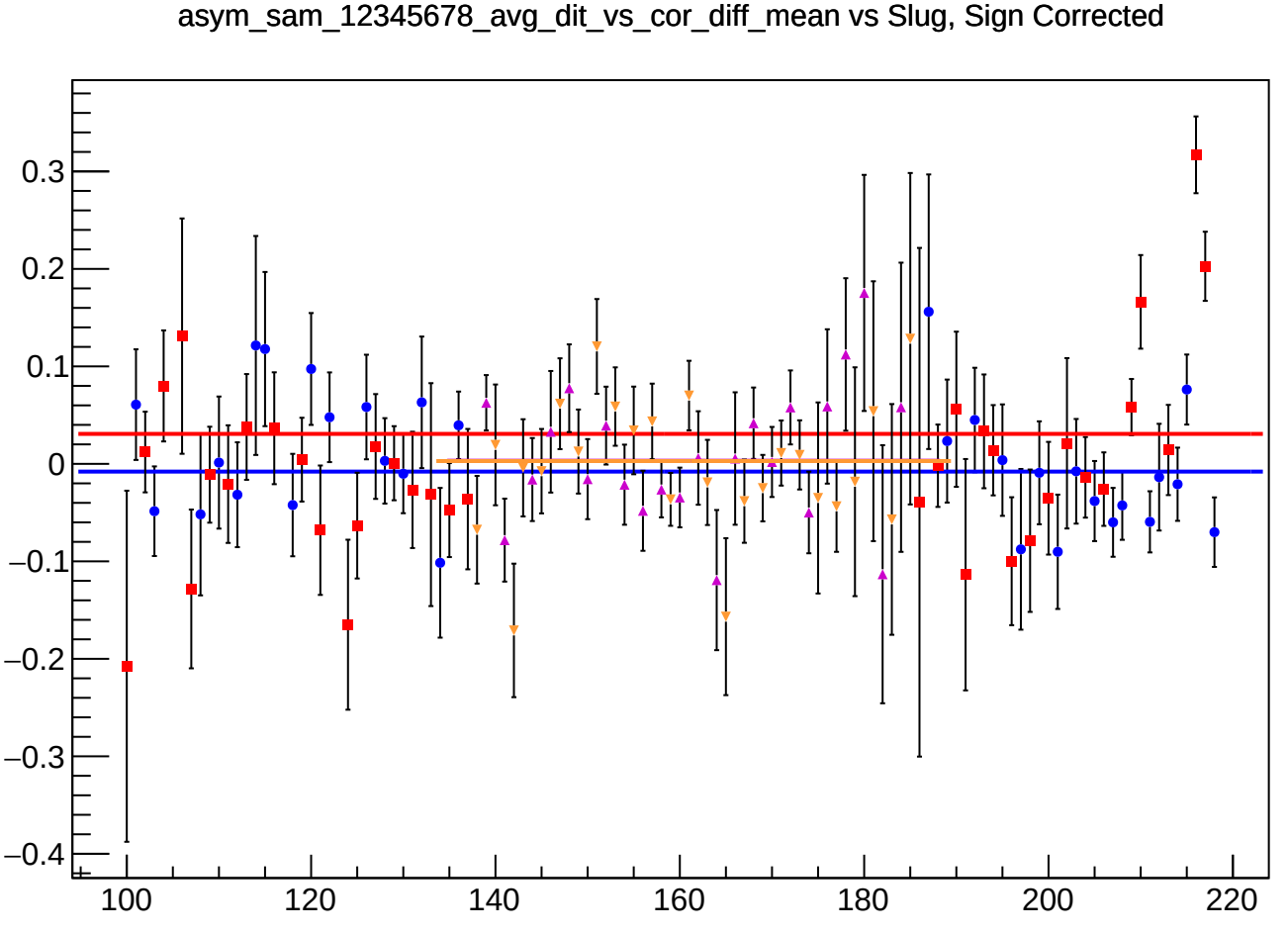
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 13457906.6/67

In: 0.000+/-0.000 χ^2/NDF:14047539.4/54

Out: 0.000+/-0.000 χ^2/NDF:15227109.8/60

All: 0.000+/-0.000 χ^2/NDF: 29306115.2/115



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: 0.031+/-0.009 χ^2/NDF: 123.4/35

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

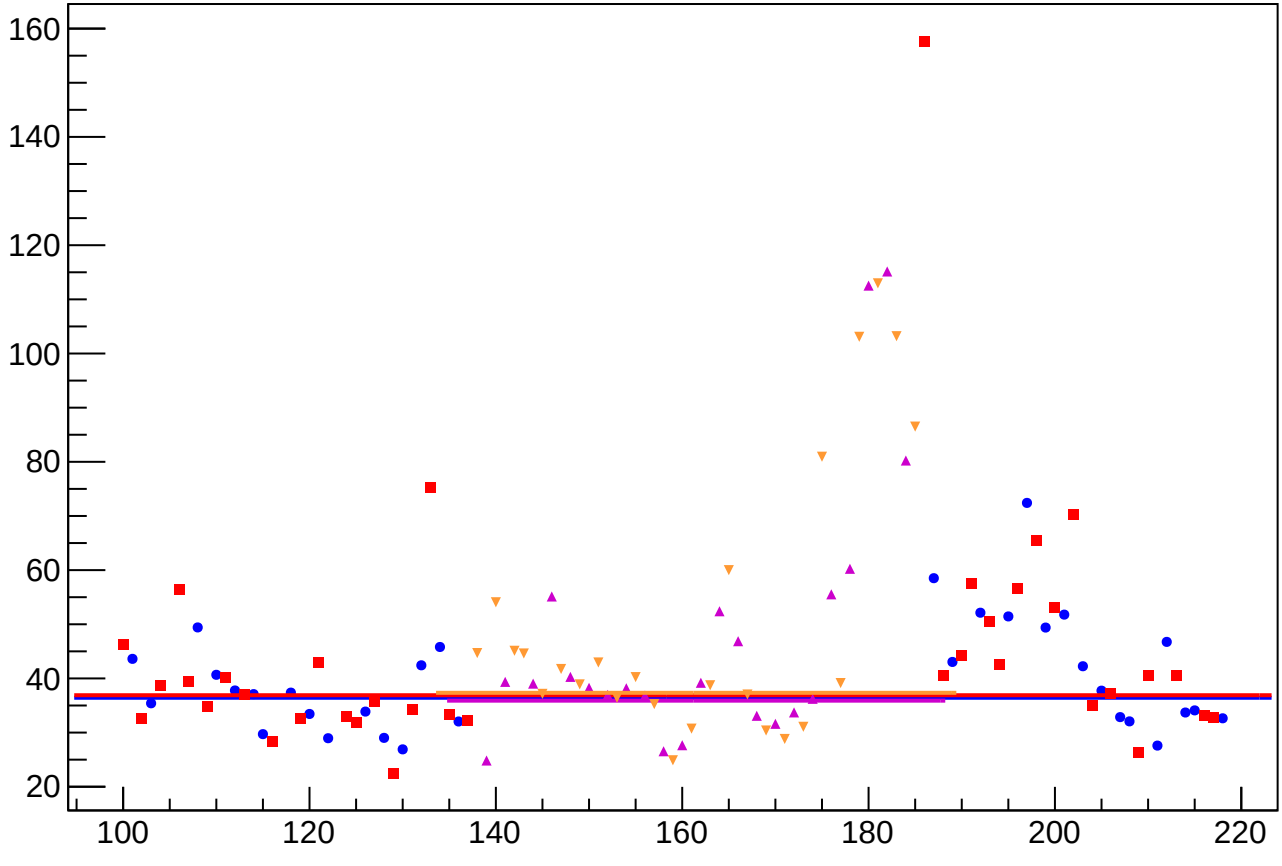
Right: 0.011+/-0.006 χ^2/NDF: 171.7/67

In: -0.003+/-0.006 χ^2/NDF:69.1/54

Out: 0.018+/-0.006 χ^2/NDF:161.0/60

All: 0.007+/-0.004 χ^2/NDF: 235.2/115

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: 36.898+/-0.006 χ^2/NDF: 2671108.0/35

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

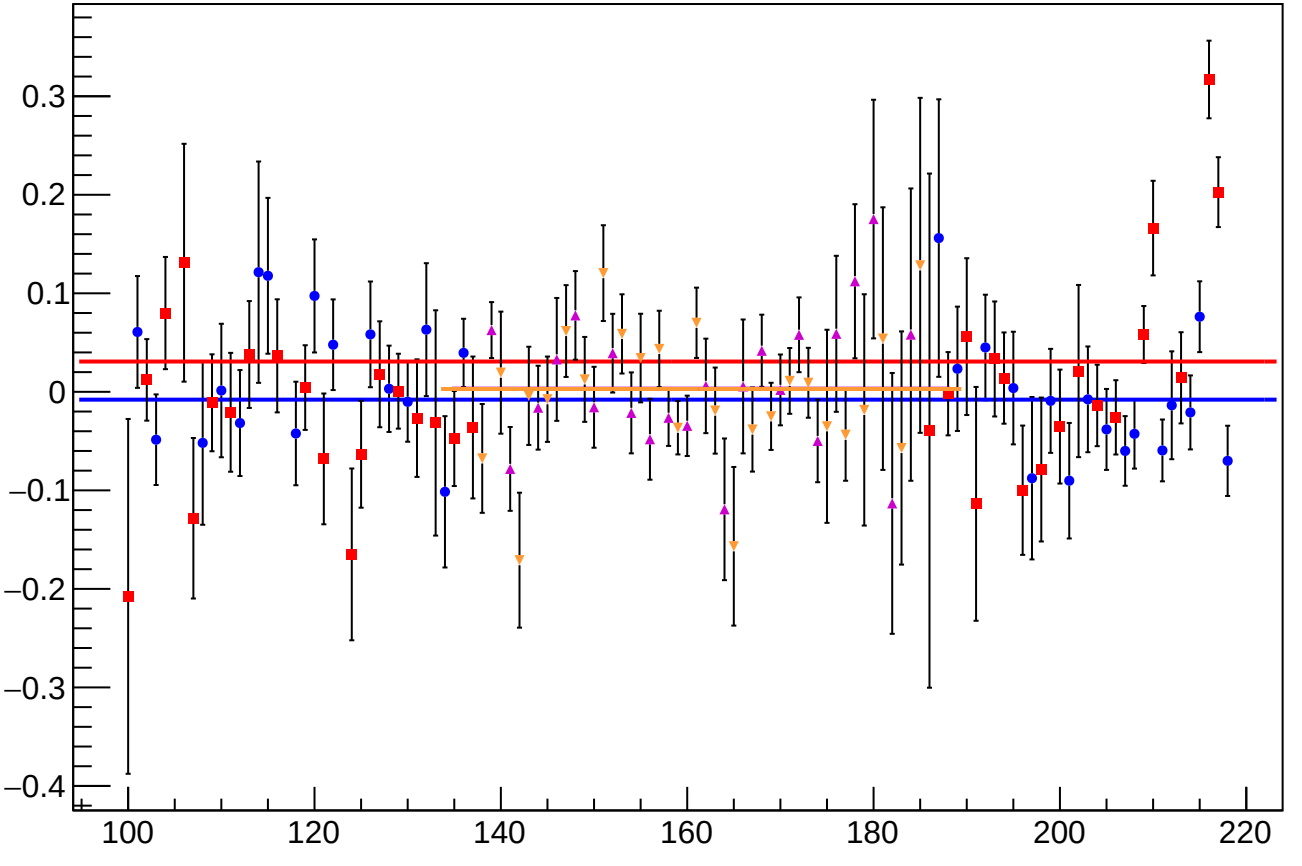
Right: 36.660+/-0.004 χ^2/NDF: 4456390.2/67

In: 36.180+/-0.004 χ^2/NDF:4924333.5/54

Out: 37.109+/-0.005 χ^2/NDF:6370199.9/60

All: 36.637+/-0.003 χ^2/NDF: 11316106.4/115

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: 0.031+/-0.009 χ^2/NDF: 123.4/35

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

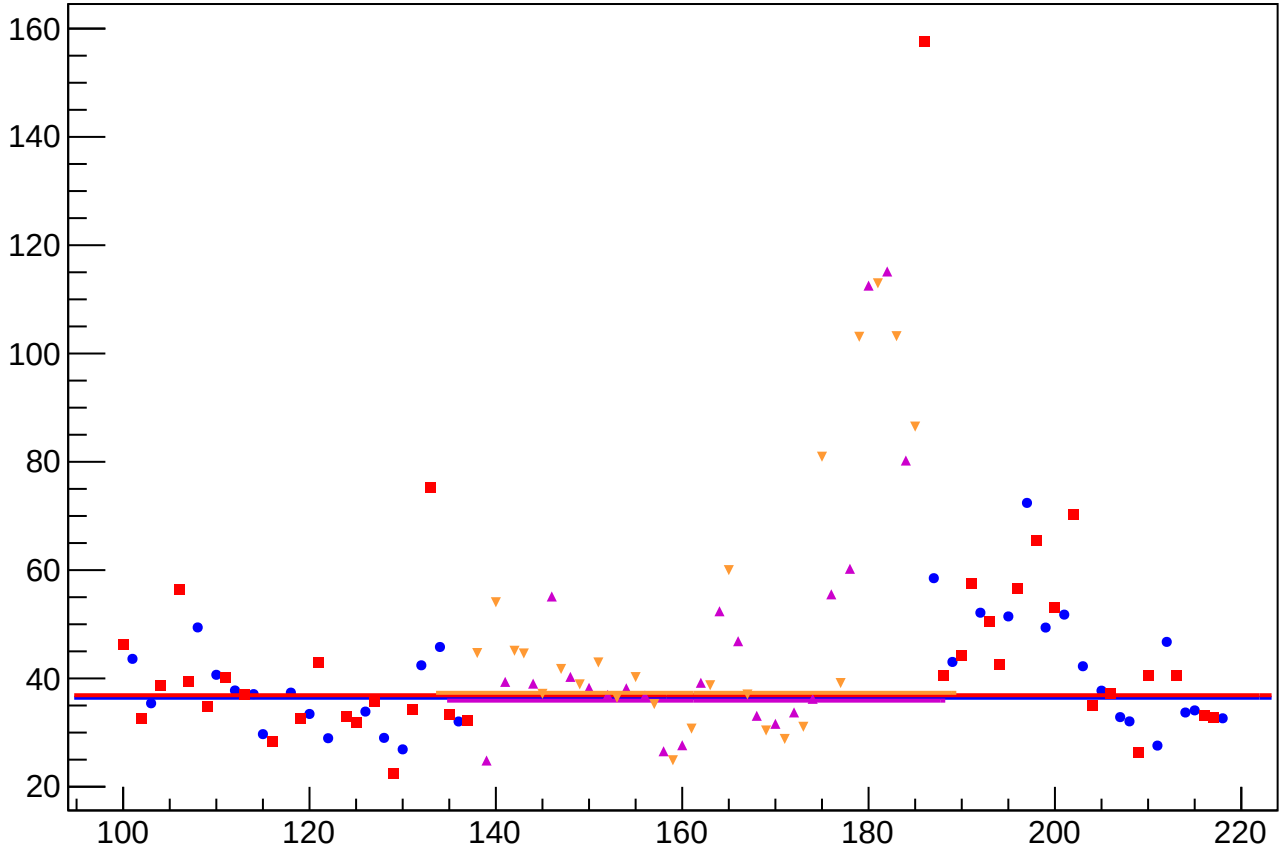
Right: 0.011+/-0.006 χ^2/NDF: 171.7/67

In: -0.003+/-0.006 χ^2/NDF:69.1/54

Out: 0.018+/-0.006 χ^2/NDF:161.0/60

All: 0.007+/-0.004 χ^2/NDF: 235.2/115

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: 36.898+/-0.006 χ^2/NDF: 2671108.0/35

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

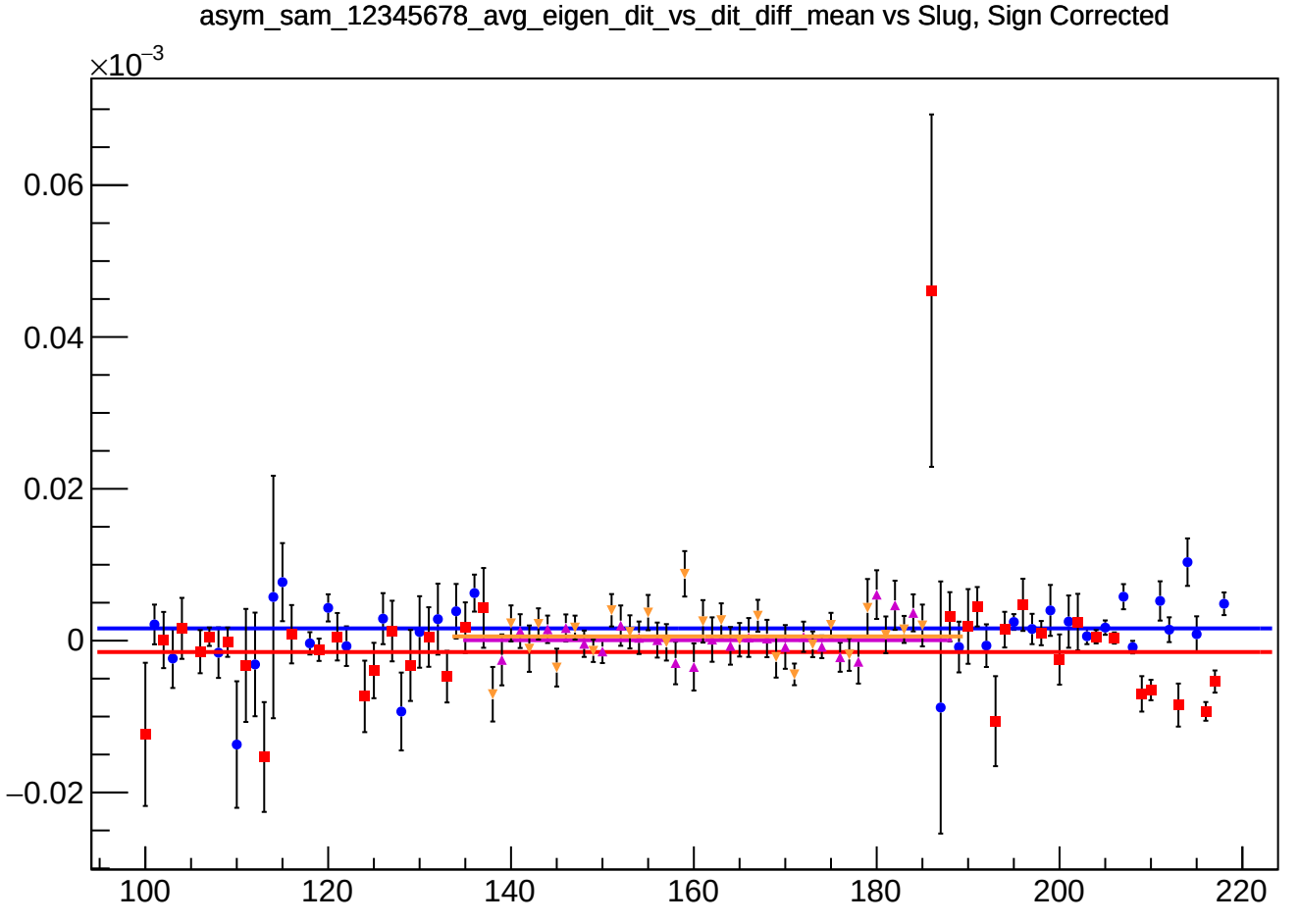
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 36.660+/-0.004 χ^2/NDF: 4456390.2/67

In: 36.180+/-0.004 χ^2/NDF:4924333.5/54

Out: 37.109+/-0.005 χ^2/NDF:6370199.9/60

All: 36.637+/-0.003 χ^2/NDF: 11316106.4/115



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: 123.2/35

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

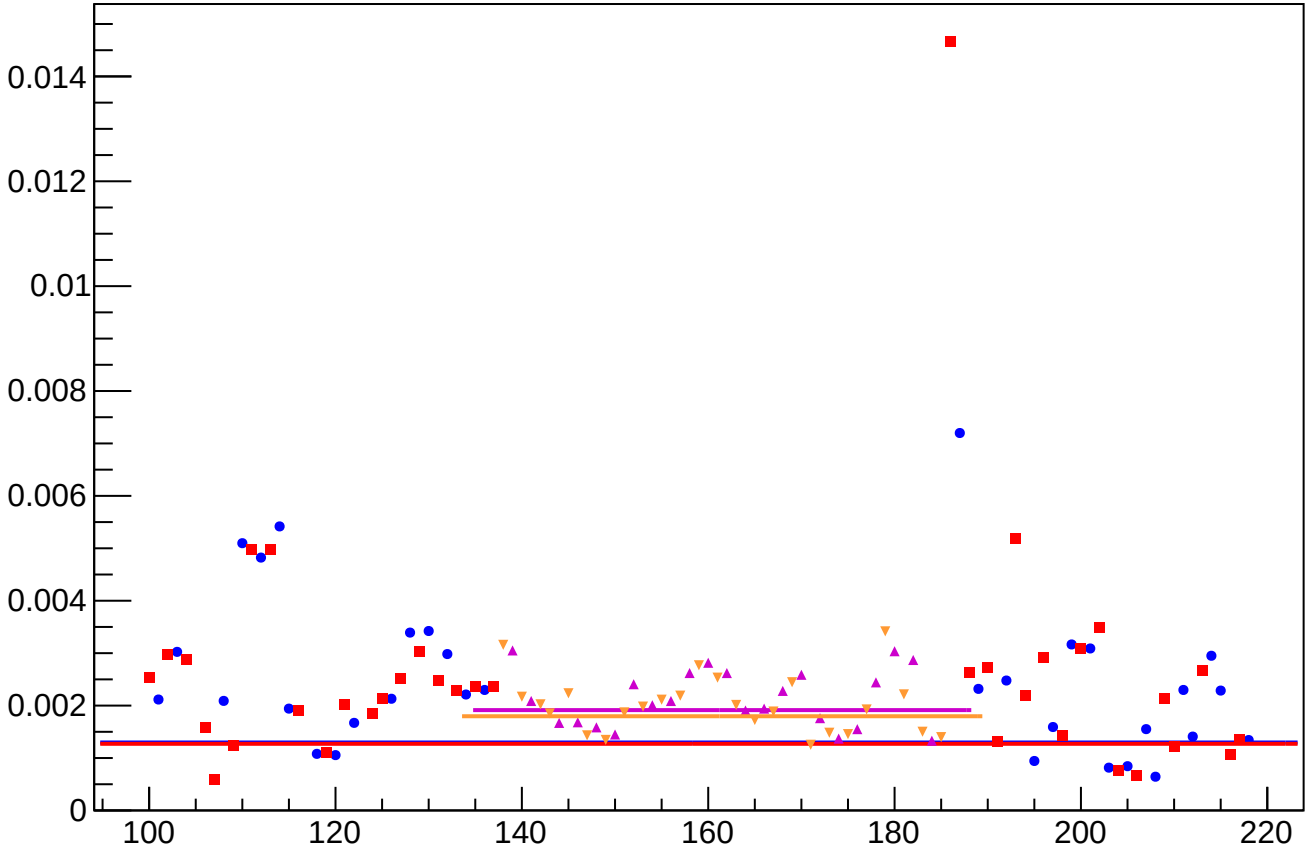
Right: 0.000+/-0.000 χ^2/NDF: 219.3/67

In: 0.000+/-0.000 χ^2/NDF:78.8/54

Out: -0.000+/-0.000 χ^2/NDF:181.0/60

All: 0.000+/-0.000 χ^2/NDF: 280.9/115

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: 10947033.9/35

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

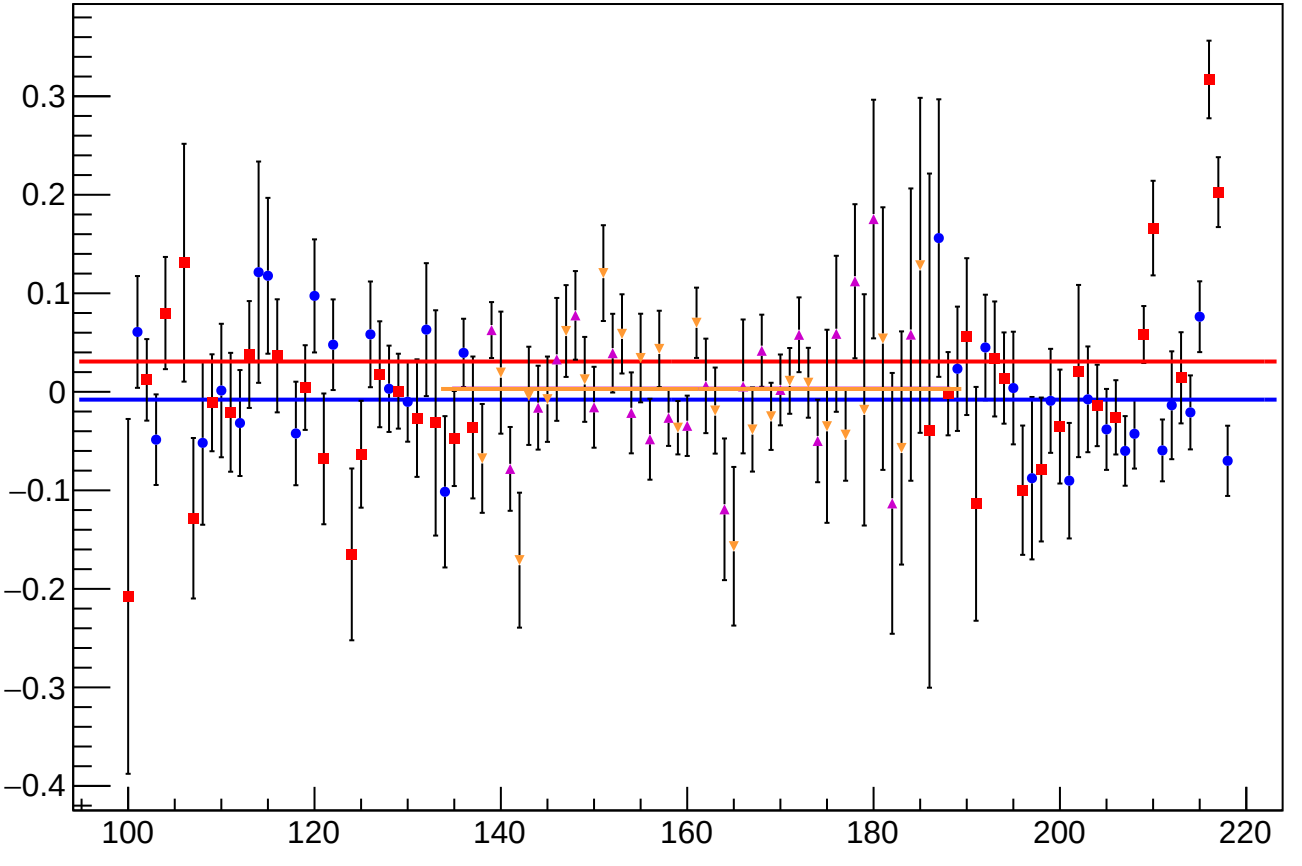
Right: 0.001+/-0.000 χ^2/NDF: 20119473.7/67

In: 0.002+/-0.000 χ^2/NDF:13621030.3/54

Out: 0.001+/-0.000 χ^2/NDF:15096996.1/60

All: 0.001+/-0.000 χ^2/NDF: 28737087.5/115

asym_sam_12345678_avg_eigen_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: 0.031+/-0.009 χ^2/NDF: 123.4/35

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

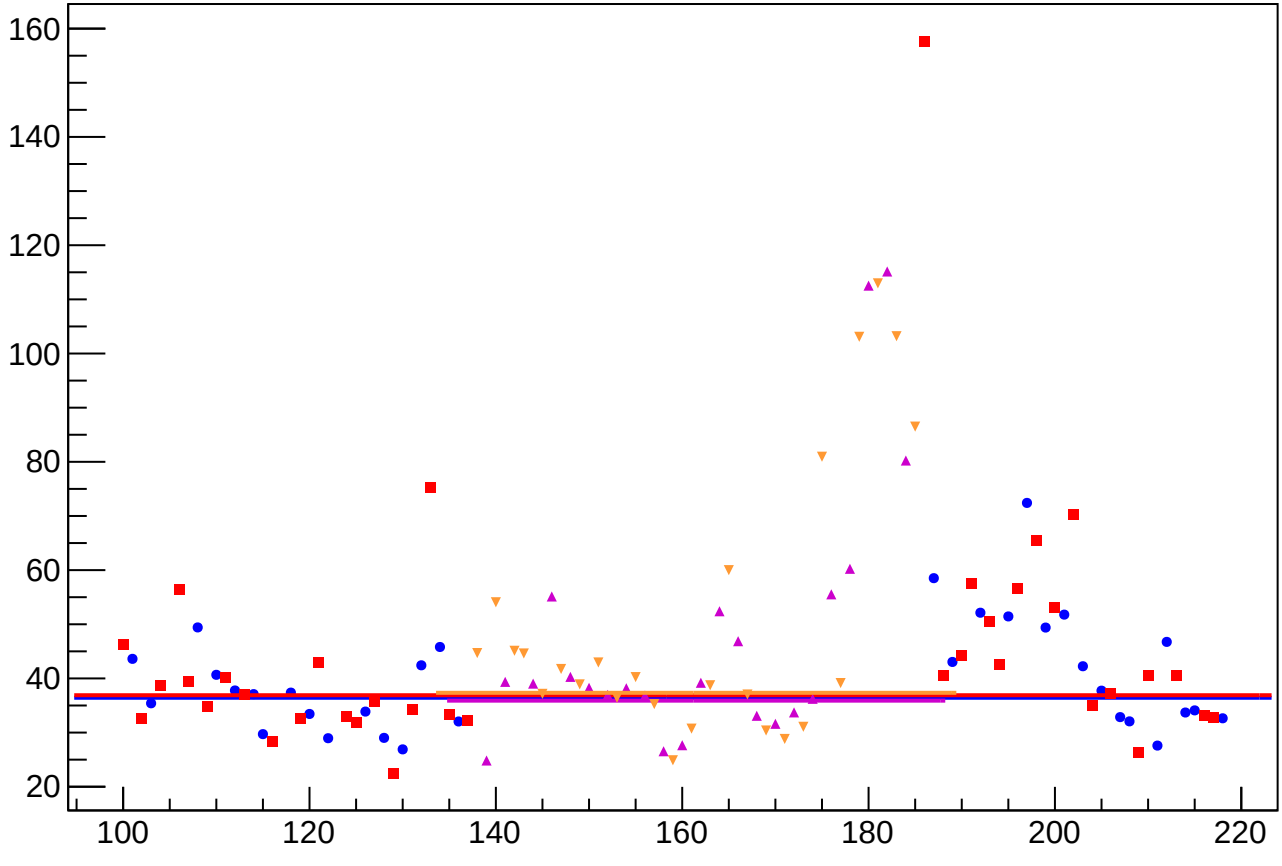
Right: 0.011+/-0.006 χ^2/NDF: 171.7/67

In: -0.003+/-0.006 χ^2/NDF:69.1/54

Out: 0.018+/-0.006 χ^2/NDF:161.0/60

All: 0.007+/-0.004 χ^2/NDF: 235.2/115

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: 36.898+/-0.006 χ^2/NDF: 2671191.4/35

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

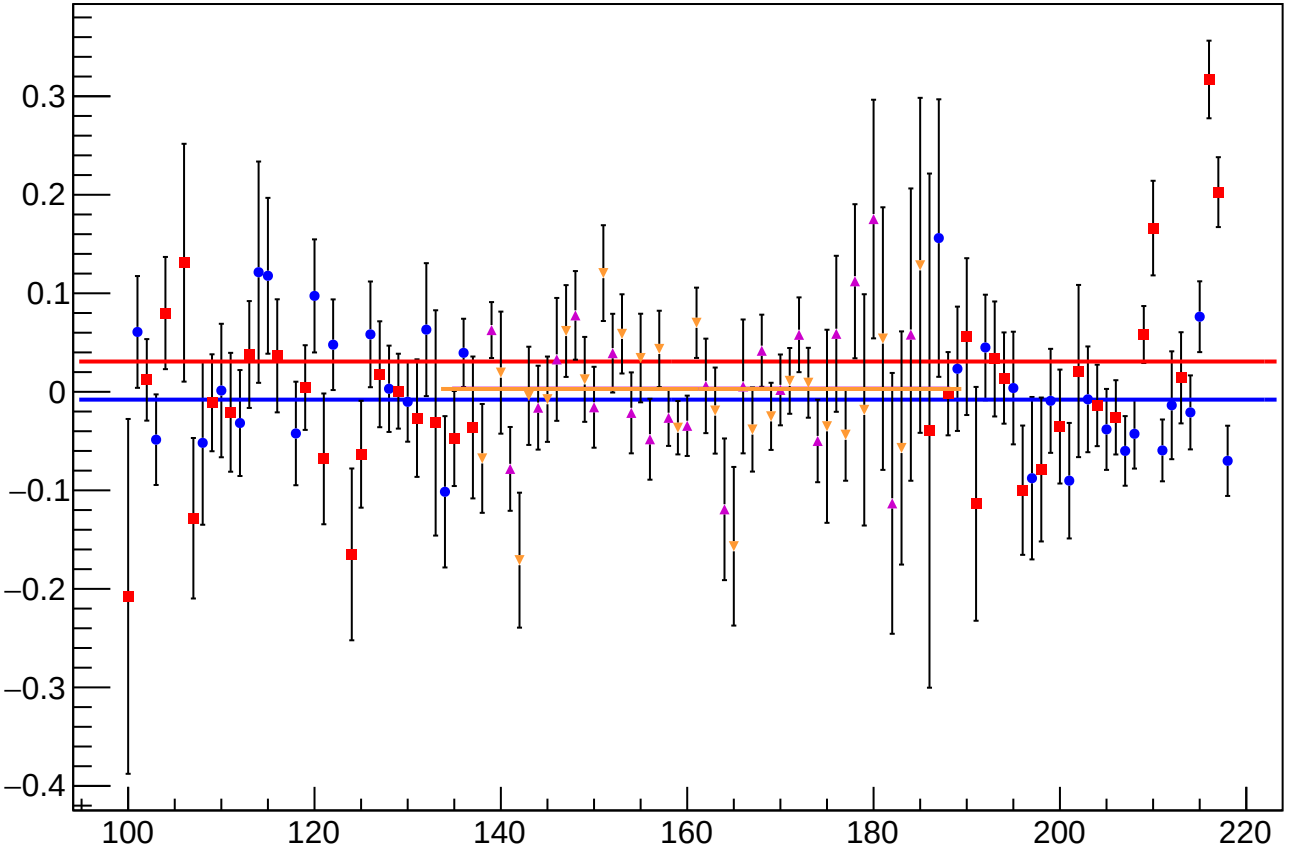
Right: 36.660+/-0.004 χ^2/NDF: 4456510.1/67

In: 36.180+/-0.004 χ^2/NDF:4924376.3/54

Out: 37.109+/-0.005 χ^2/NDF:6370339.7/60

All: 36.638+/-0.003 χ^2/NDF: 11316287.1/115

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: 0.031+/-0.009 χ^2/NDF: 123.4/35

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

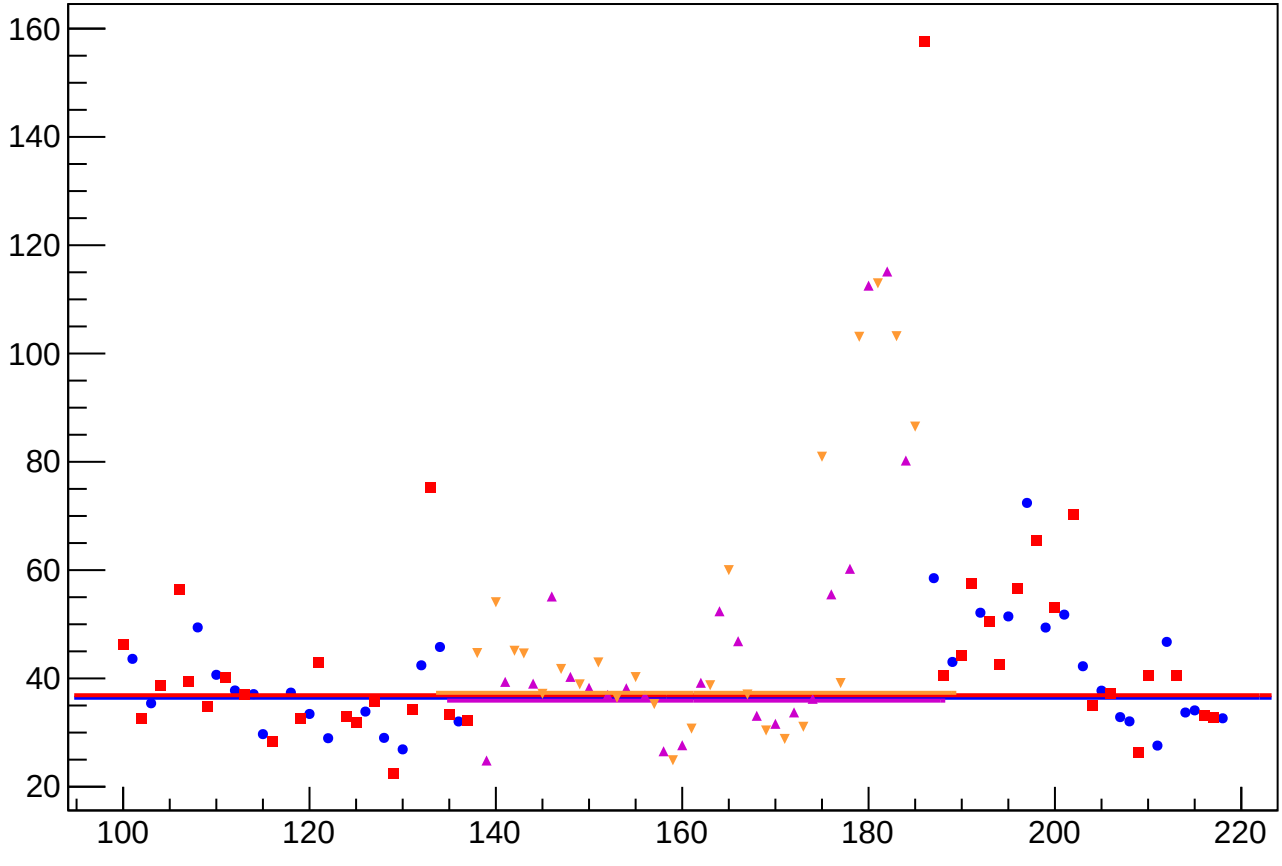
Right: 0.011+/-0.006 χ^2/NDF: 171.7/67

In: -0.003+/-0.006 χ^2/NDF:69.1/54

Out: 0.018+/-0.006 χ^2/NDF:161.0/60

All: 0.007+/-0.004 χ^2/NDF: 235.2/115

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: 36.898+/-0.006 χ^2/NDF: 2671191.4/35

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

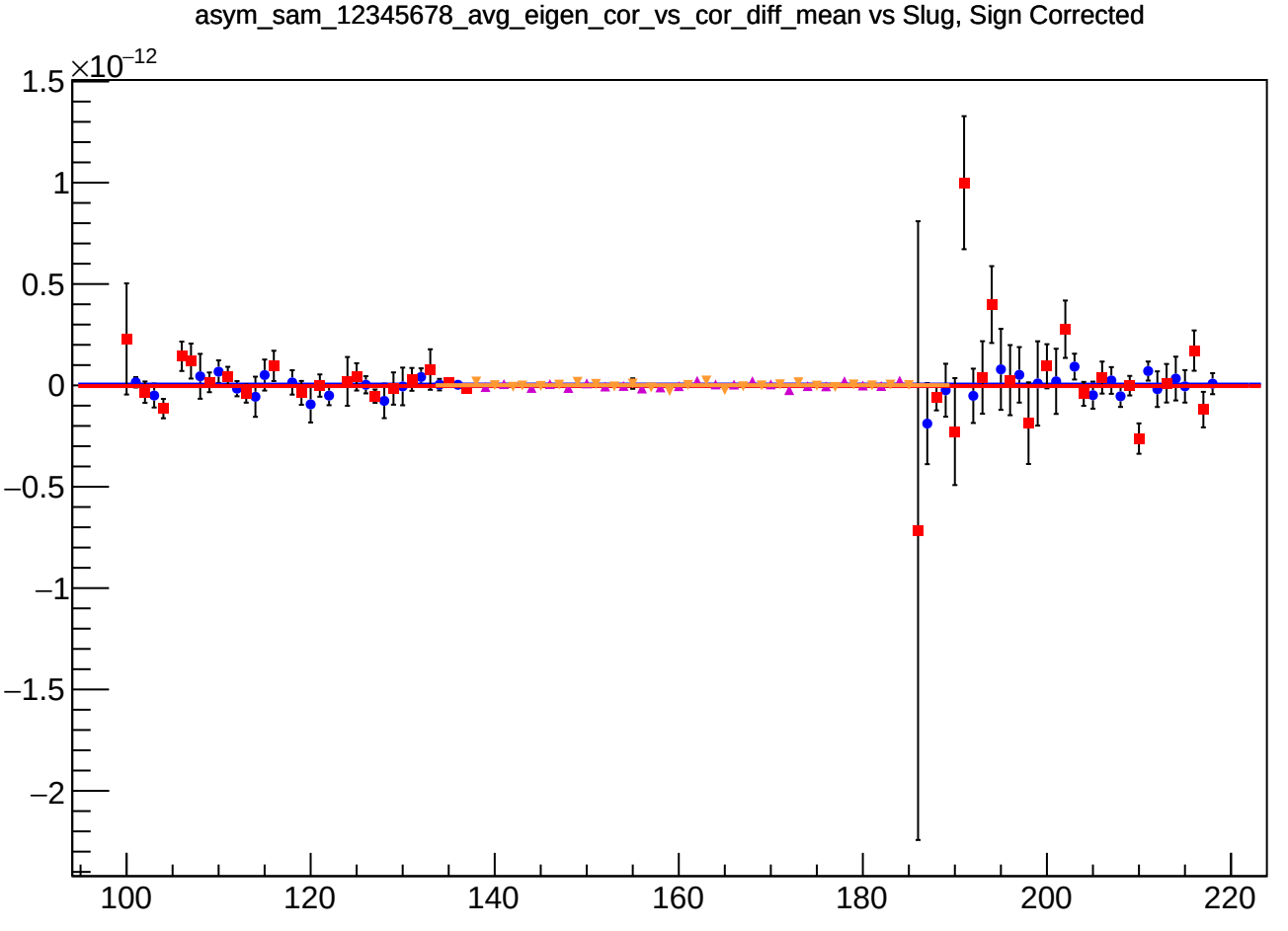
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 36.660+/-0.004 χ^2/NDF: 4456510.1/67

In: 36.180+/-0.004 χ^2/NDF:4924376.3/54

Out: 37.109+/-0.005 χ^2/NDF:6370339.7/60

All: 36.638+/-0.003 χ^2/NDF: 11316287.1/115



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: 60.3/35

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

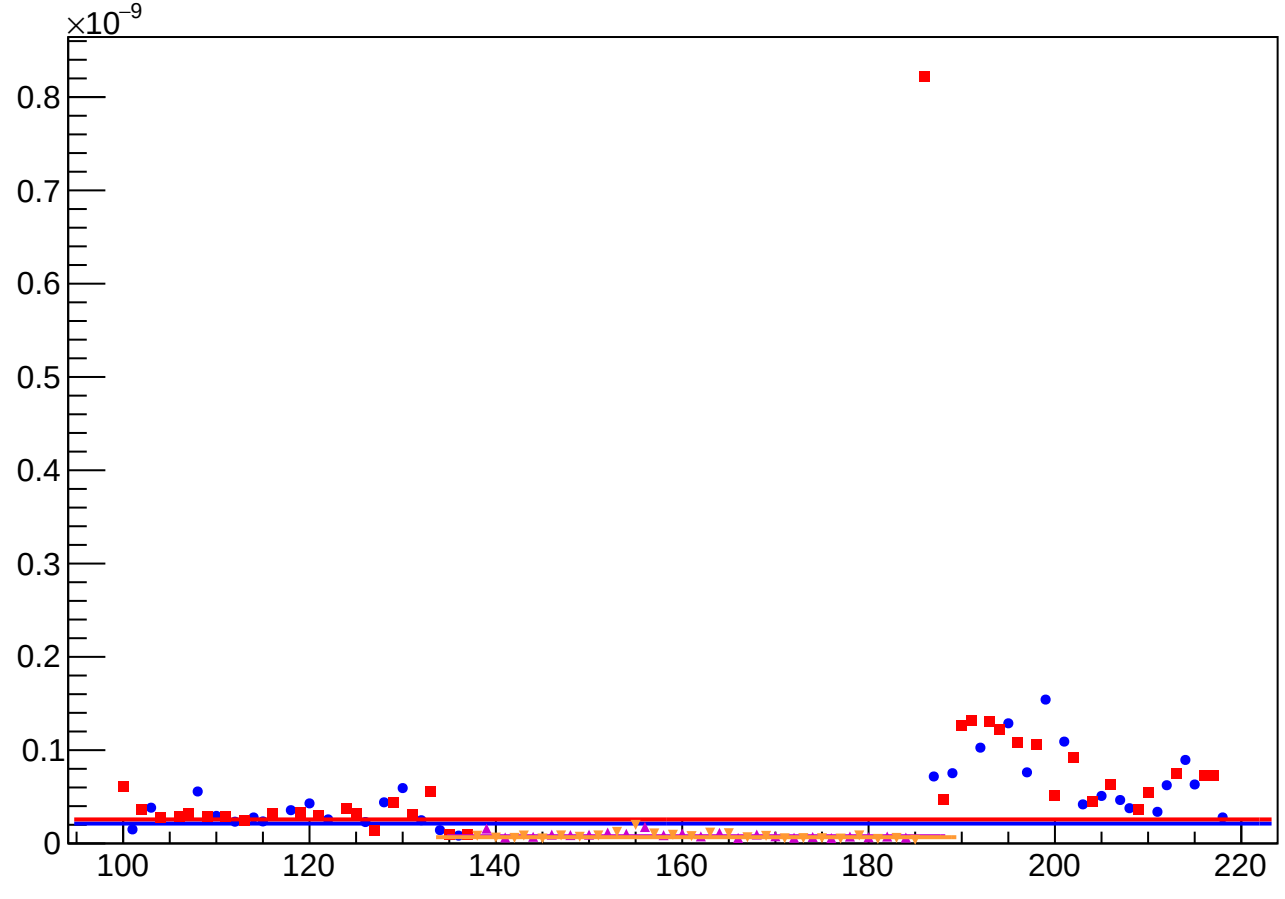
Right: 0.000+/-0.000 χ^2/NDF: 75.8/67

In: 0.000+/-0.000 χ^2/NDF:44.5/54

Out: 0.000+/-0.000 χ^2/NDF:81.9/60

All: 0.000+/-0.000 χ^2/NDF: 126.4/115

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: 9673570.2/35

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

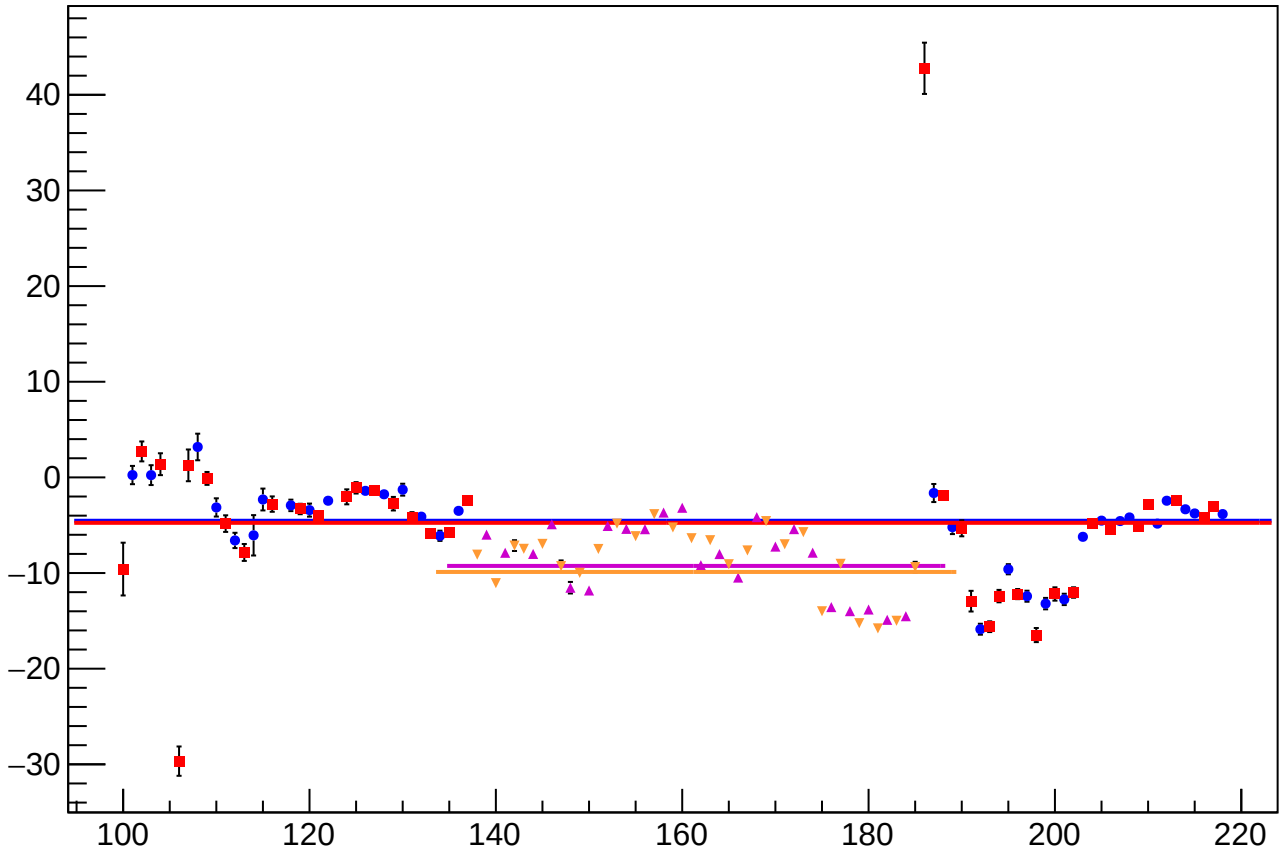
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 20079167.9/67

In: 0.000+/-0.000 χ^2/NDF:17047570.3/54

Out: 0.000+/-0.000 χ^2/NDF:19858899.7/60

All: 0.000+/-0.000 χ^2/NDF: 37258751.1/115



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: -4.750+/-0.082 χ^2/NDF: 2433.5/35

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

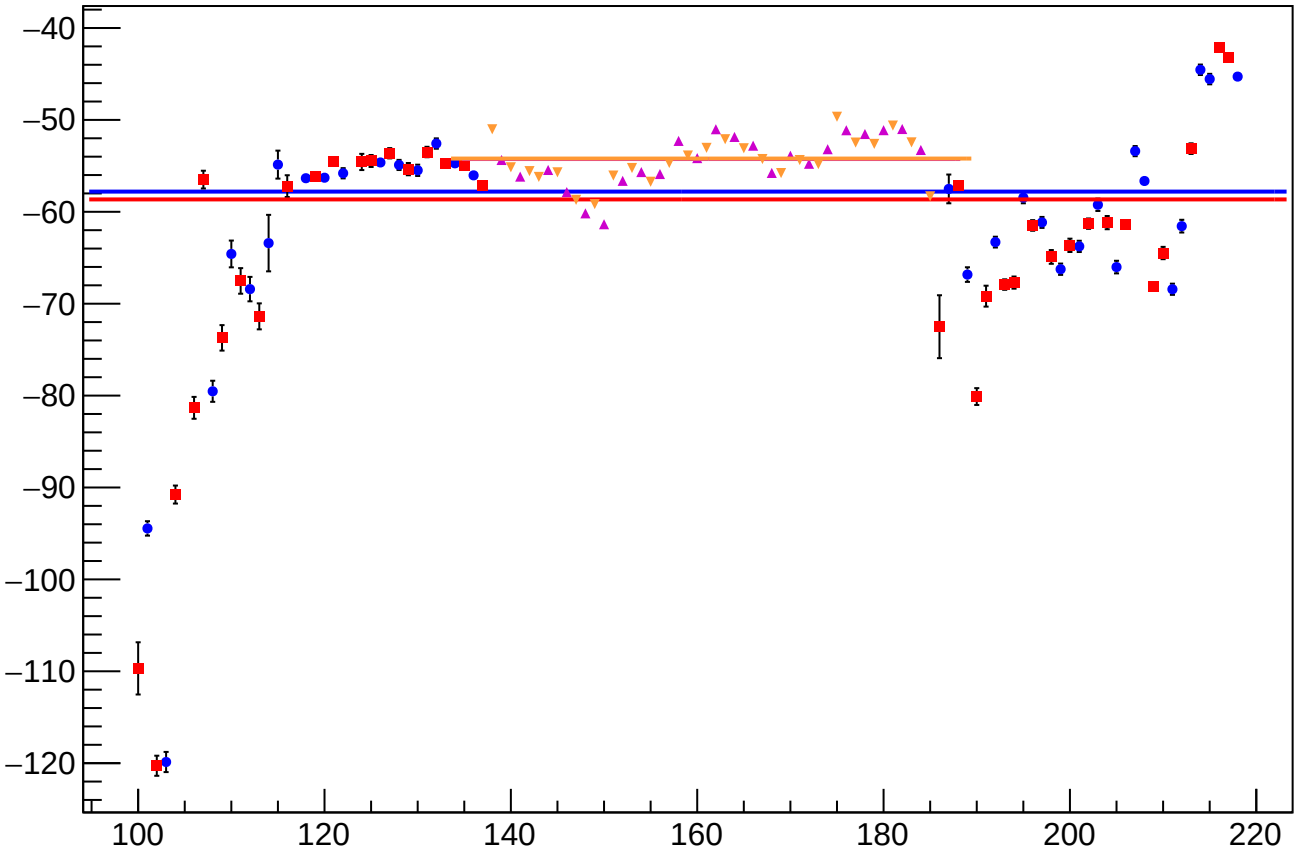
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -4.640+/-0.057 χ^2/NDF: 3843.8/67

In: -7.155+/-0.053 χ^2/NDF:6406.3/54

Out: -7.729+/-0.053 χ^2/NDF:7933.0/60

All: -7.444+/-0.038 χ^2/NDF: 14397.5/115



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: -58.652+/-0.103 χ^2/NDF: 9482.4/35

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

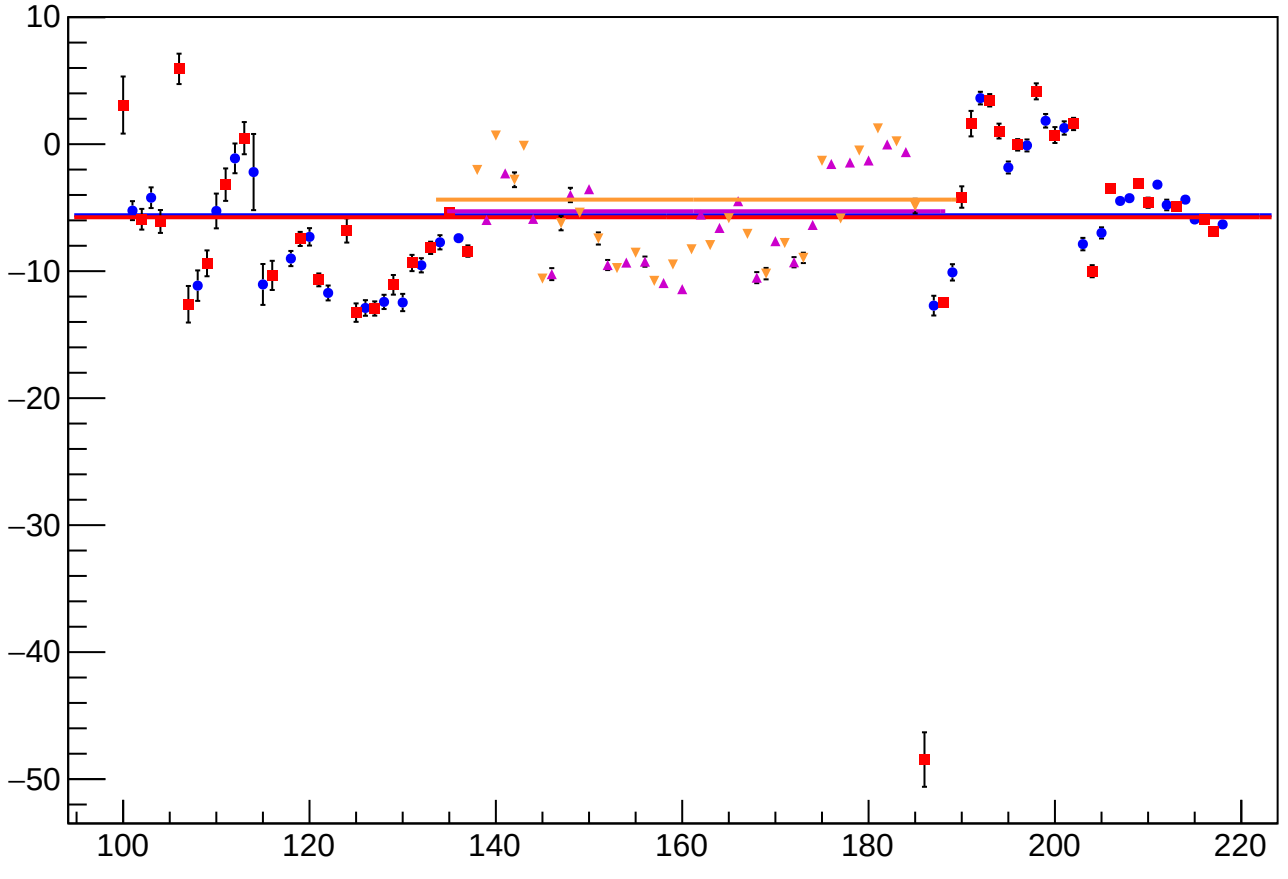
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -58.223+/-0.072 χ^2/NDF: 18507.8/67

In: -55.135+/-0.051 χ^2/NDF:12395.4/54

Out: -55.223+/-0.049 χ^2/NDF:12790.6/60

All: -55.180+/-0.035 χ^2/NDF: 25187.6/115



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: -5.756+/-0.084 χ^2/NDF: 3287.6/35

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

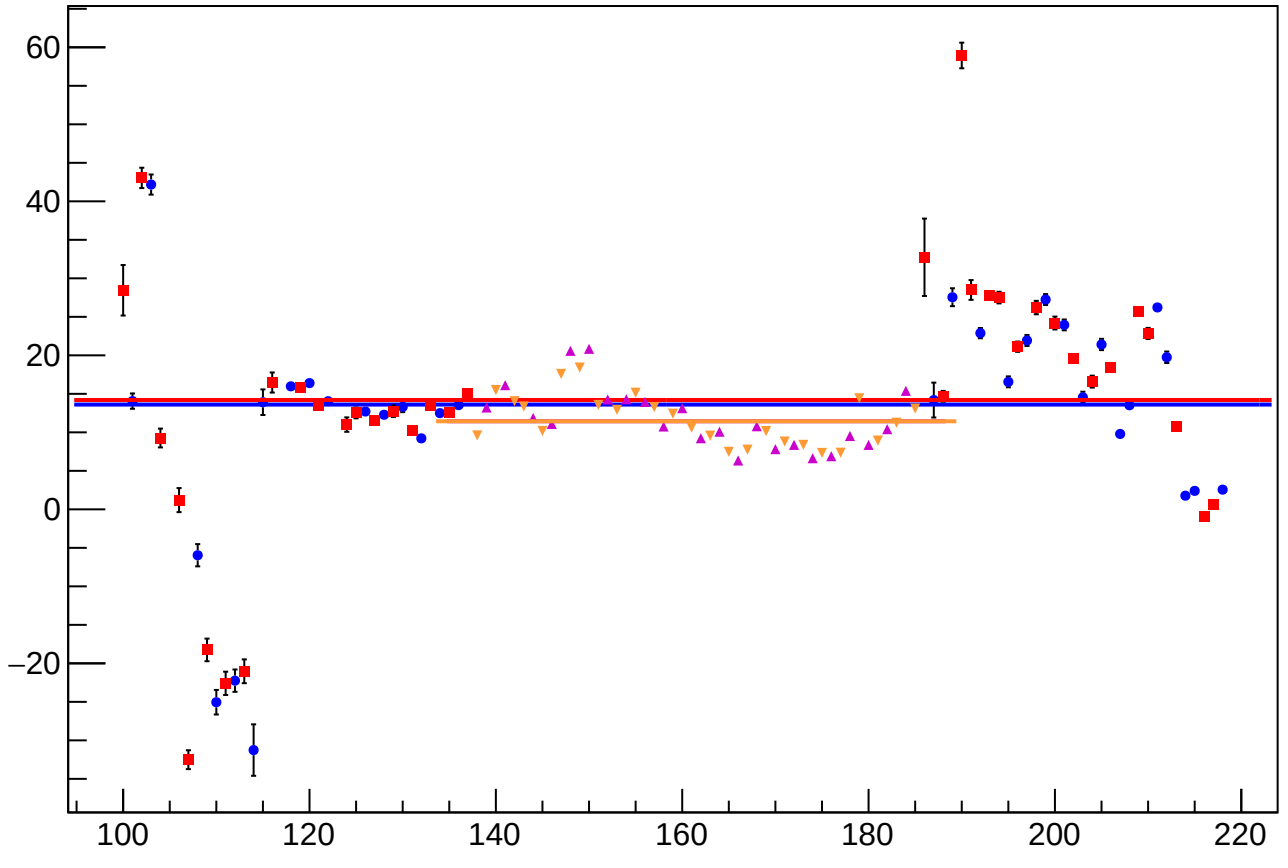
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -5.675+/-0.059 χ^2/NDF: 5188.5/67

In: -5.417+/-0.054 χ^2/NDF:4657.6/54

Out: -4.932+/-0.053 χ^2/NDF:7152.9/60

All: -5.172+/-0.038 χ^2/NDF: 11851.4/115



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: 14.202+/-0.115 χ^2/NDF: 7931.1/35

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

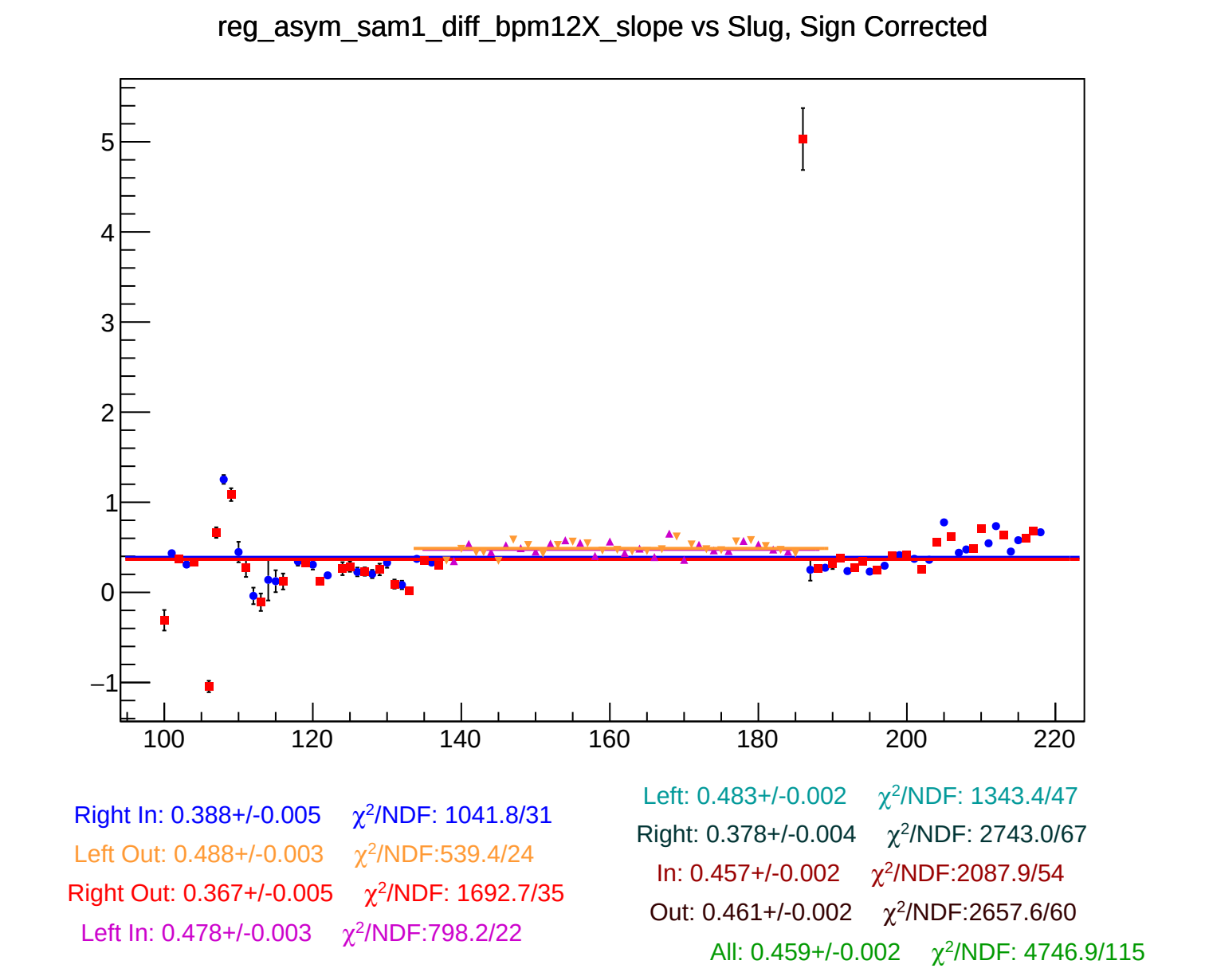
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

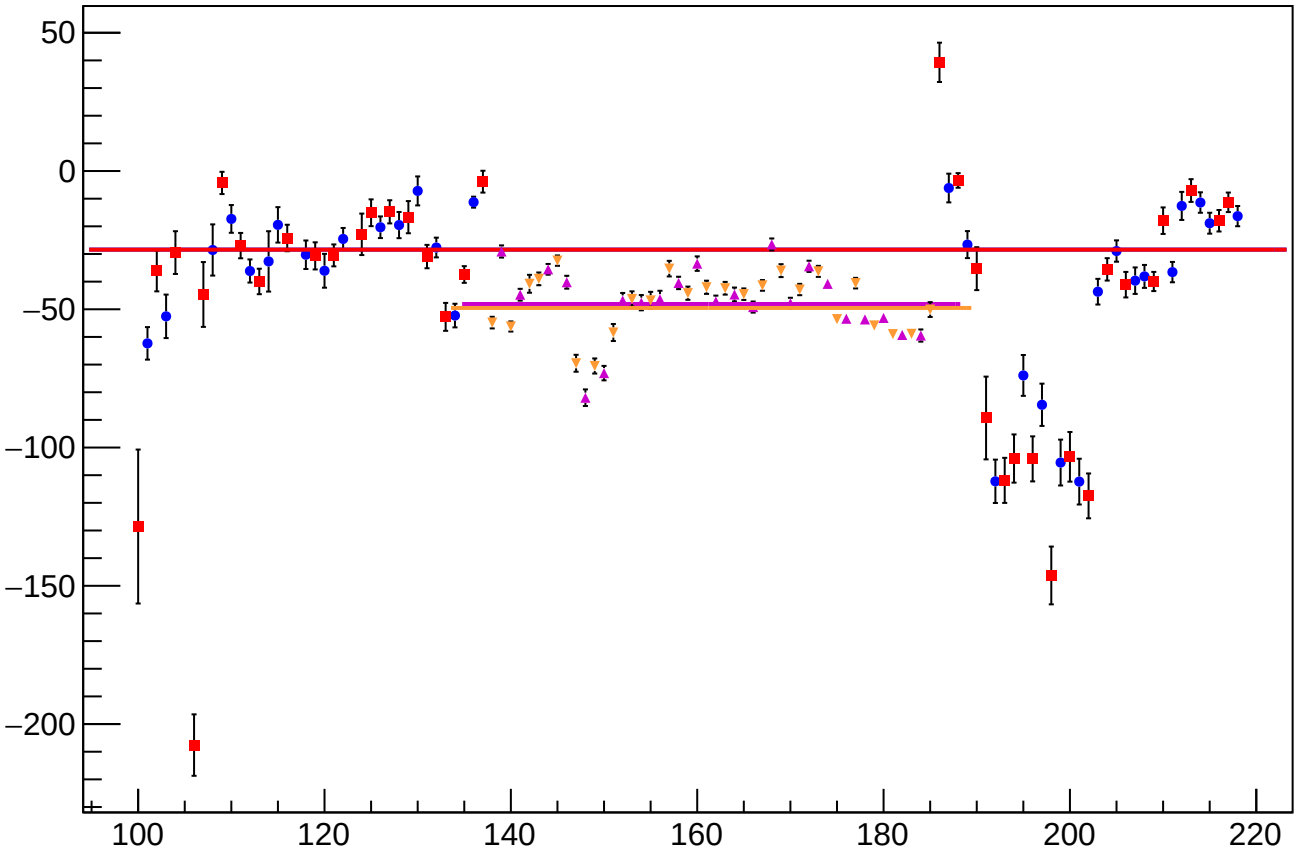
Right: 13.897+/-0.080 χ^2/NDF: 13068.9/67

In: 11.974+/-0.056 χ^2/NDF:8762.6/54

Out: 12.059+/-0.055 χ^2/NDF:10813.5/60

All: 12.017+/-0.039 χ^2/NDF: 19577.3/115


reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
120
140
160
180
200
220
Right In: 0.388+/-0.005 χ²/NDF: 1041.8/31
Left Out: 0.488+/-0.003 χ²/NDF:539.4/24
Right Out: 0.367+/-0.005 χ²/NDF: 1692.7/35
Left In: 0.478+/-0.003 χ²/NDF:798.2/22
Left: 0.483+/-0.002 χ²/NDF: 1343.4/47
Right: 0.378+/-0.004 χ²/NDF: 2743.0/67
In: 0.457+/-0.002 χ²/NDF:2087.9/54
Out: 0.461+/-0.002 χ²/NDF:2657.6/60
All: 0.459+/-0.002 χ²/NDF: 4746.9/115



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: -28.439+/-0.823 χ^2/NDF: 1279.3/35

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

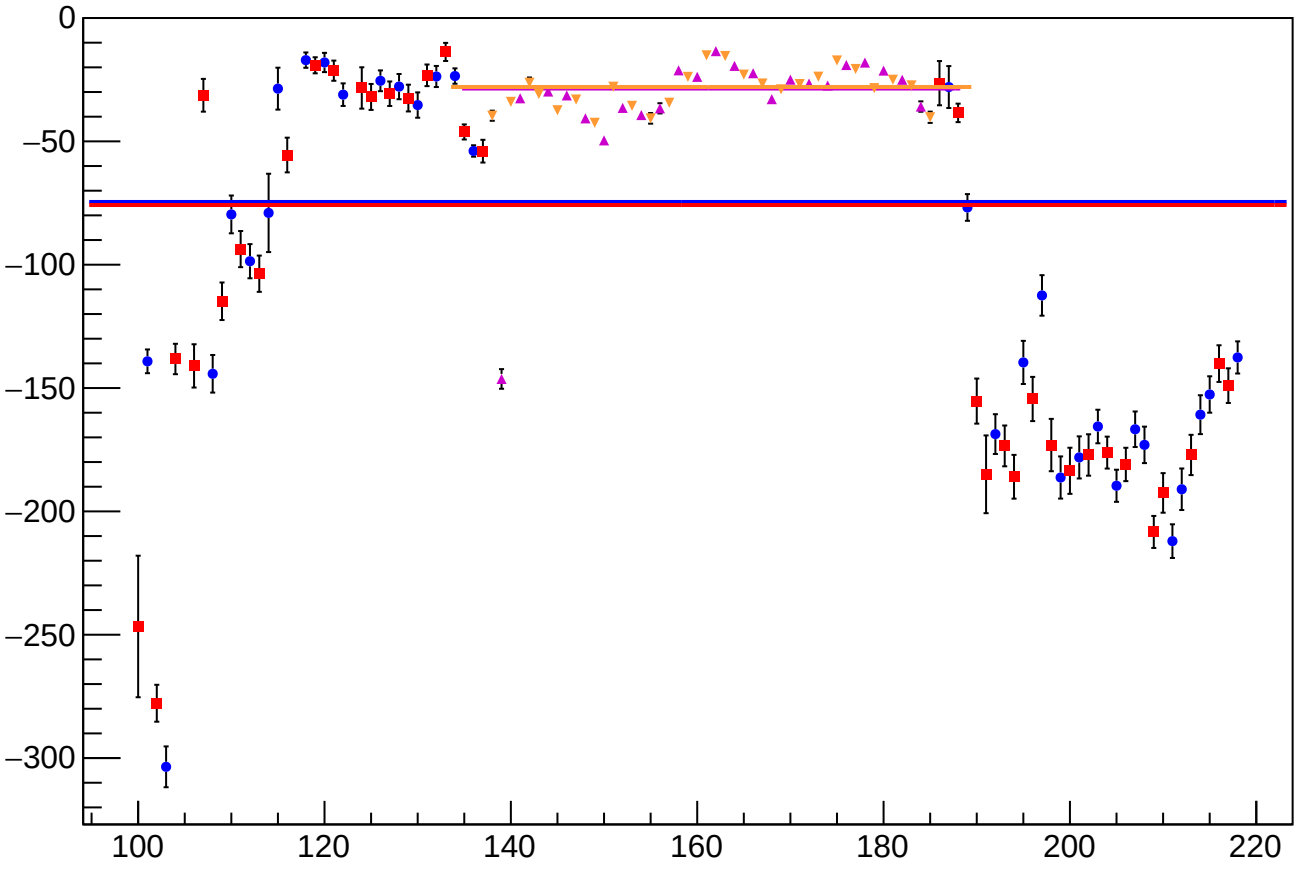
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -28.426+/-0.574 χ^2/NDF: 1953.5/67

In: -43.880+/-0.371 χ^2/NDF:1852.9/54

Out: -45.446+/-0.361 χ^2/NDF:2385.4/60

All: -44.684+/-0.259 χ^2/NDF: 4247.5/115



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: -75.800+/-0.986 χ^2/NDF: 4730.8/35

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

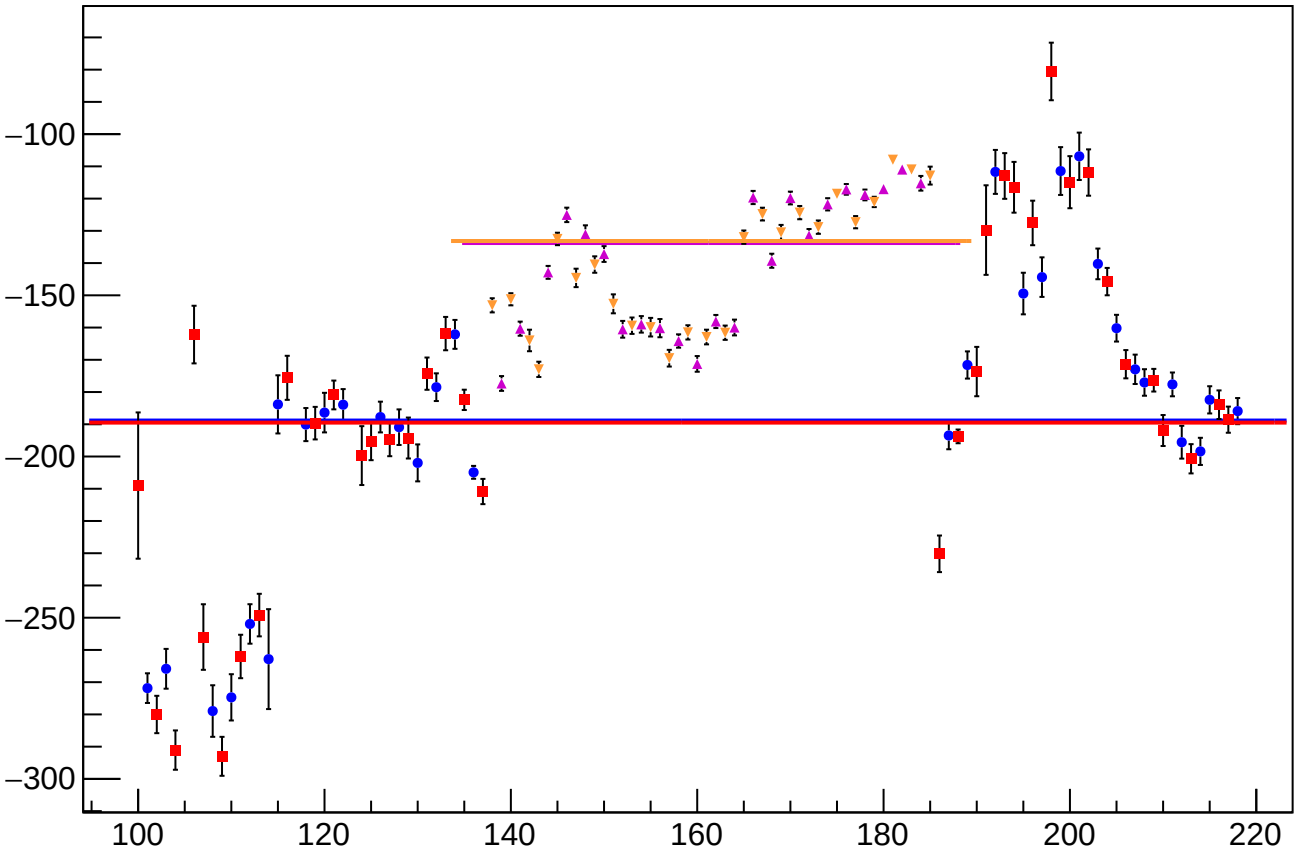
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -75.160+/-0.682 χ^2/NDF: 9529.1/67

In: -33.689+/-0.315 χ^2/NDF:8383.9/54

Out: -32.541+/-0.305 χ^2/NDF:7355.6/60

All: -33.098+/-0.219 χ^2/NDF: 15746.4/115



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: -189.481+/-0.851 χ^2/NDF: 2006.7/35

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

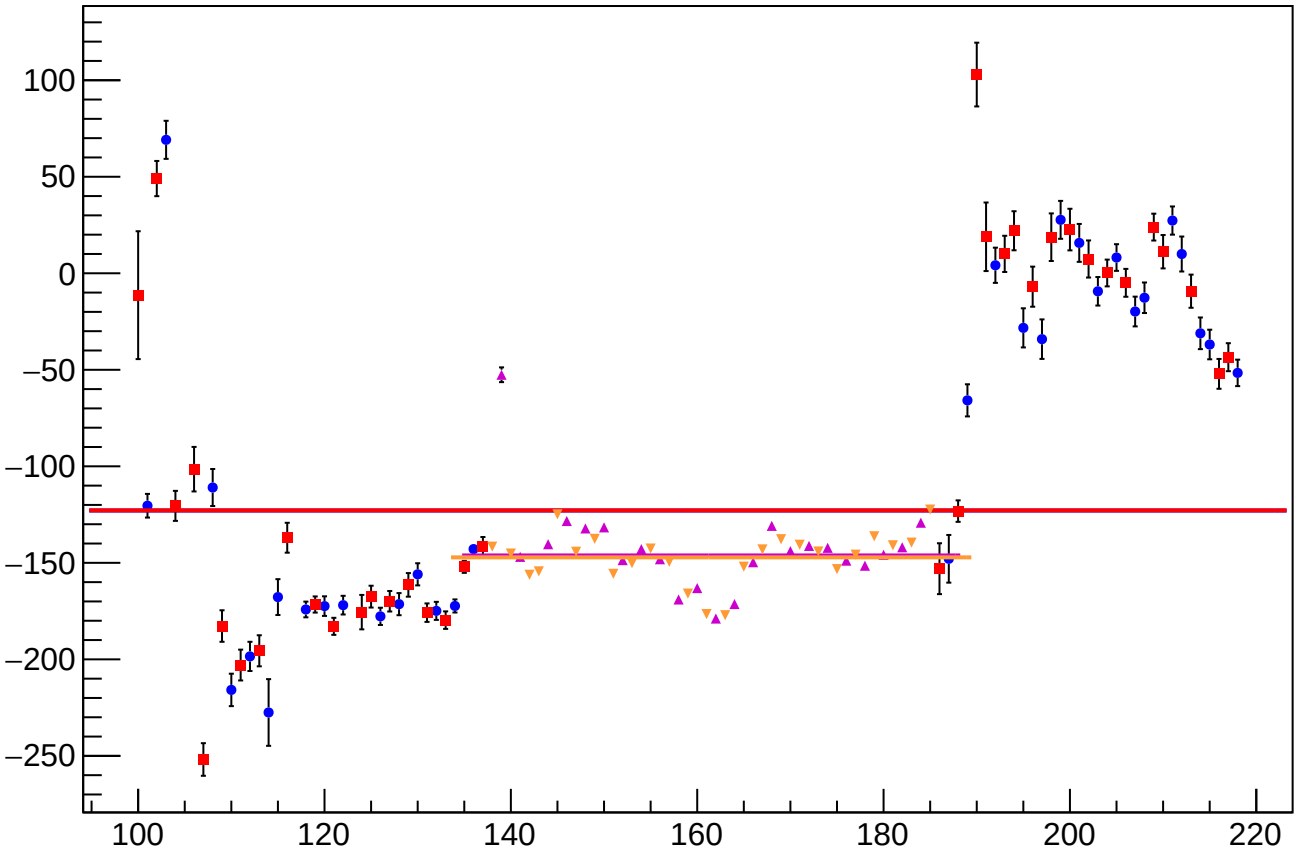
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -189.158+/-0.596 χ^2/NDF: 3660.3/67

In: -144.774+/-0.373 χ^2/NDF:7577.0/54

Out: -143.470+/-0.364 χ^2/NDF:8116.2/60

All: -144.106+/-0.261 χ^2/NDF: 15699.4/115



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: -122.815+/-1.122 χ^2/NDF: 4692.9/35

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

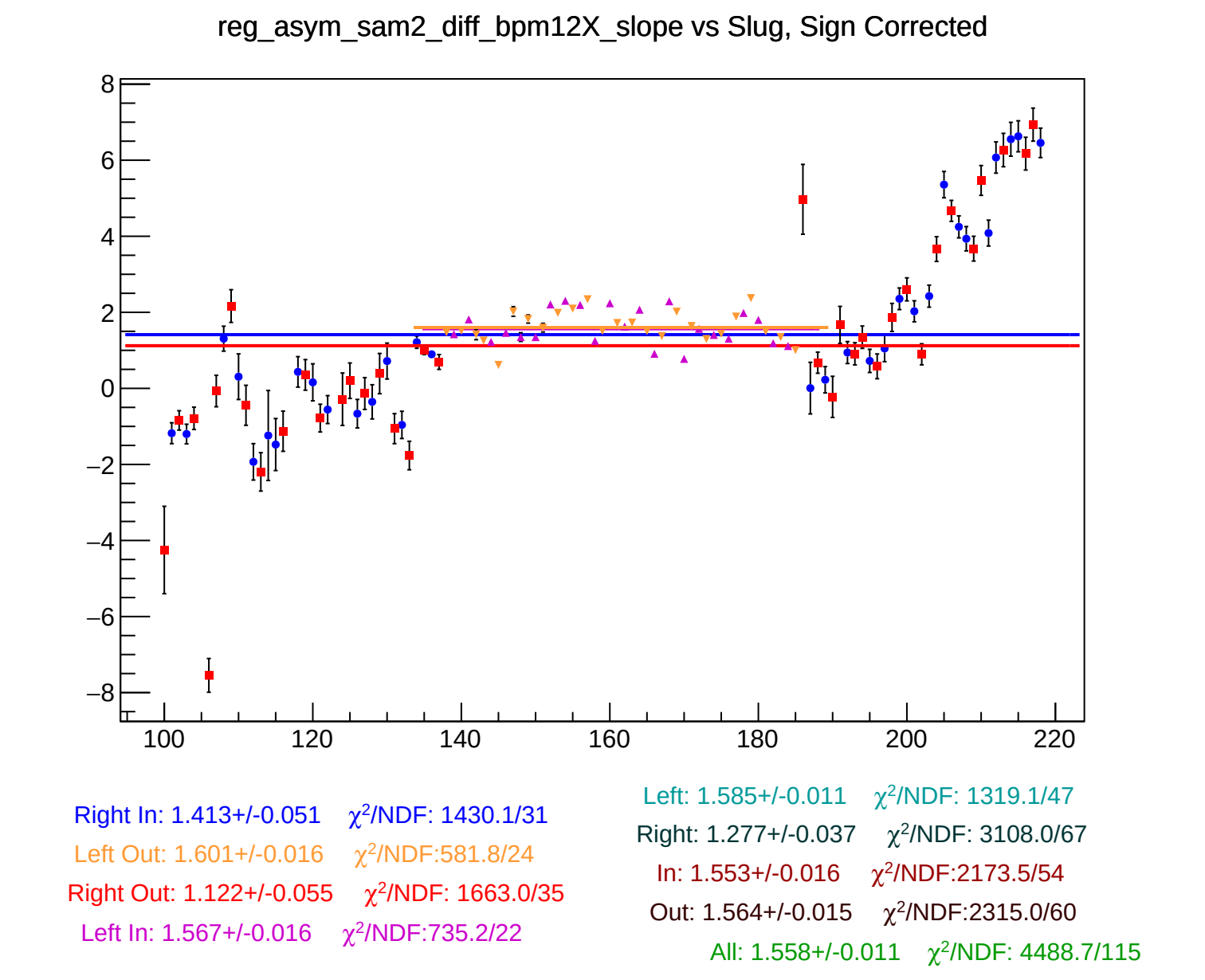
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

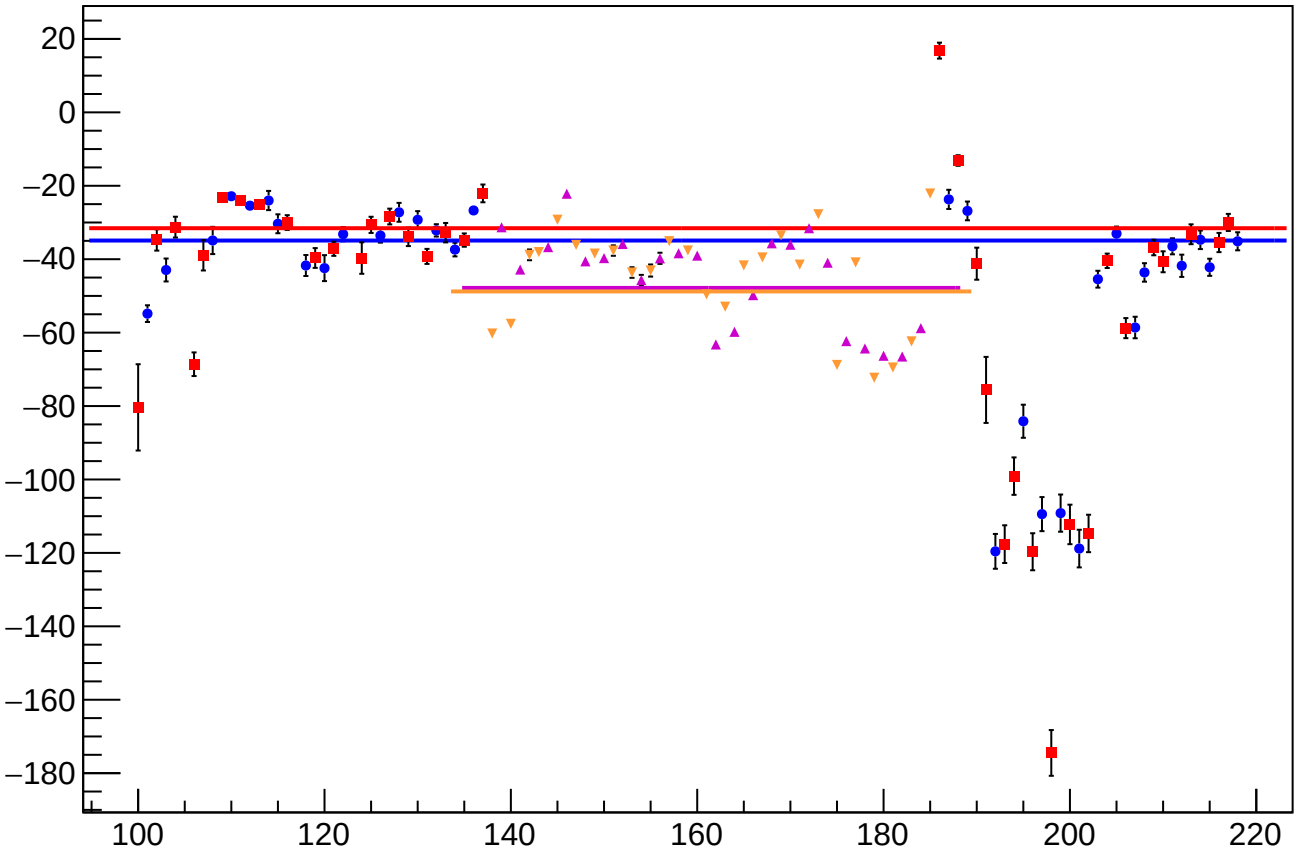
Right: -122.865+/-0.769 χ^2/NDF: 9187.8/67

In: -143.627+/-0.350 χ^2/NDF:6720.1/54

Out: -144.914+/-0.341 χ^2/NDF:6366.3/60

All: -144.286+/-0.244 χ^2/NDF: 13093.3/115


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: 1.413+/-0.051 χ²/NDF: 1430.1/31
Left Out: 1.601+/-0.016 χ²/NDF:581.8/24
Right Out: 1.122+/-0.055 χ²/NDF: 1663.0/35
Left In: 1.567+/-0.016 χ²/NDF:735.2/22
Left: 1.585+/-0.011 χ²/NDF: 1319.1/47
Right: 1.277+/-0.037 χ²/NDF: 3108.0/67
In: 1.553+/-0.016 χ²/NDF:2173.5/54
Out: 1.564+/-0.015 χ²/NDF:2315.0/60
All: 1.558+/-0.011 χ²/NDF: 4488.7/115



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: -31.557+/-0.375 χ^2/NDF: 2956.3/35

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

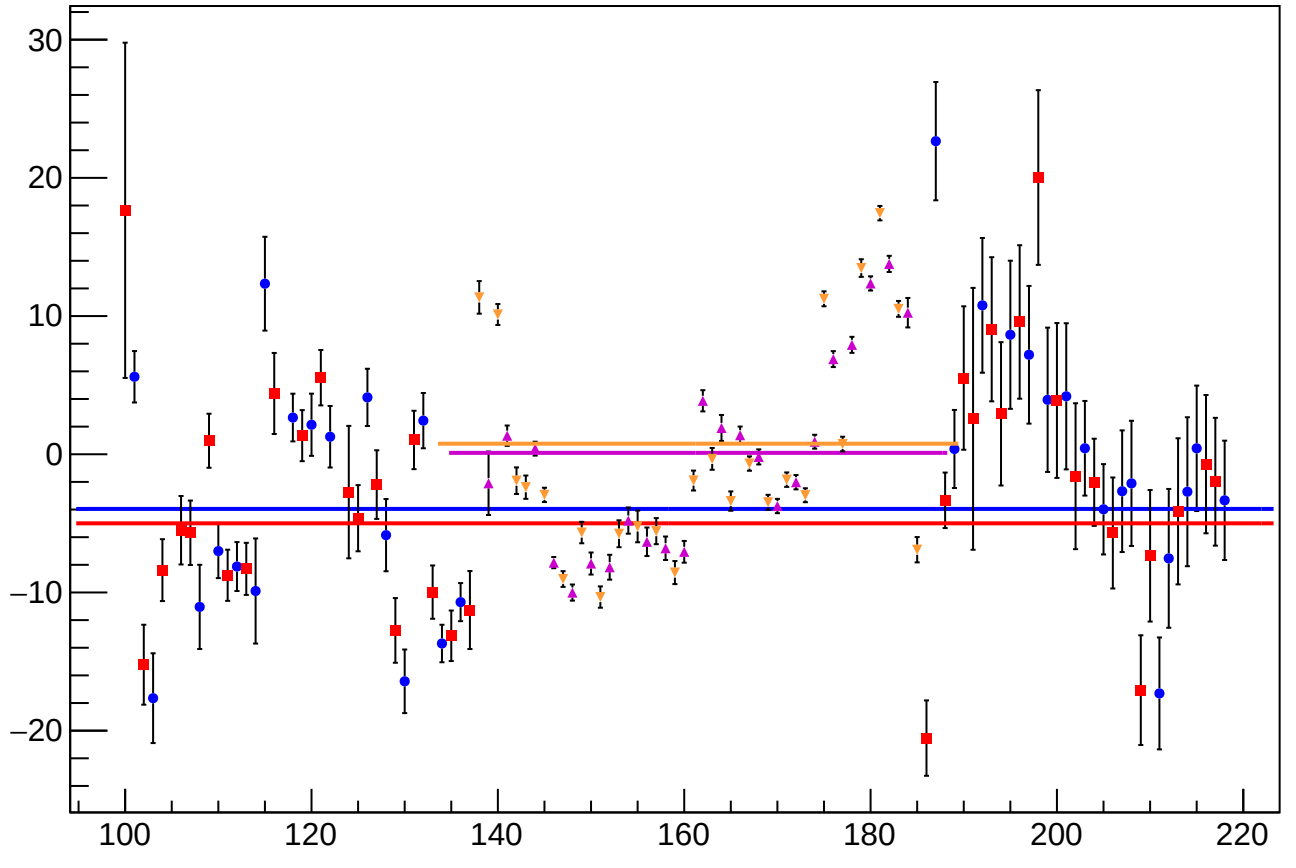
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

Right: -33.180+/-0.270 χ^2/NDF: 4666.6/67

In: -45.741+/-0.156 χ^2/NDF:9824.0/54

Out: -45.939+/-0.152 χ^2/NDF:13671.6/60

All: -45.842+/-0.109 χ^2/NDF: 23496.4/115



Right In: -3.955+/-0.459 χ^2/NDF: 321.0/31

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -4.997+/-0.463 χ^2/NDF: 221.2/35

Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

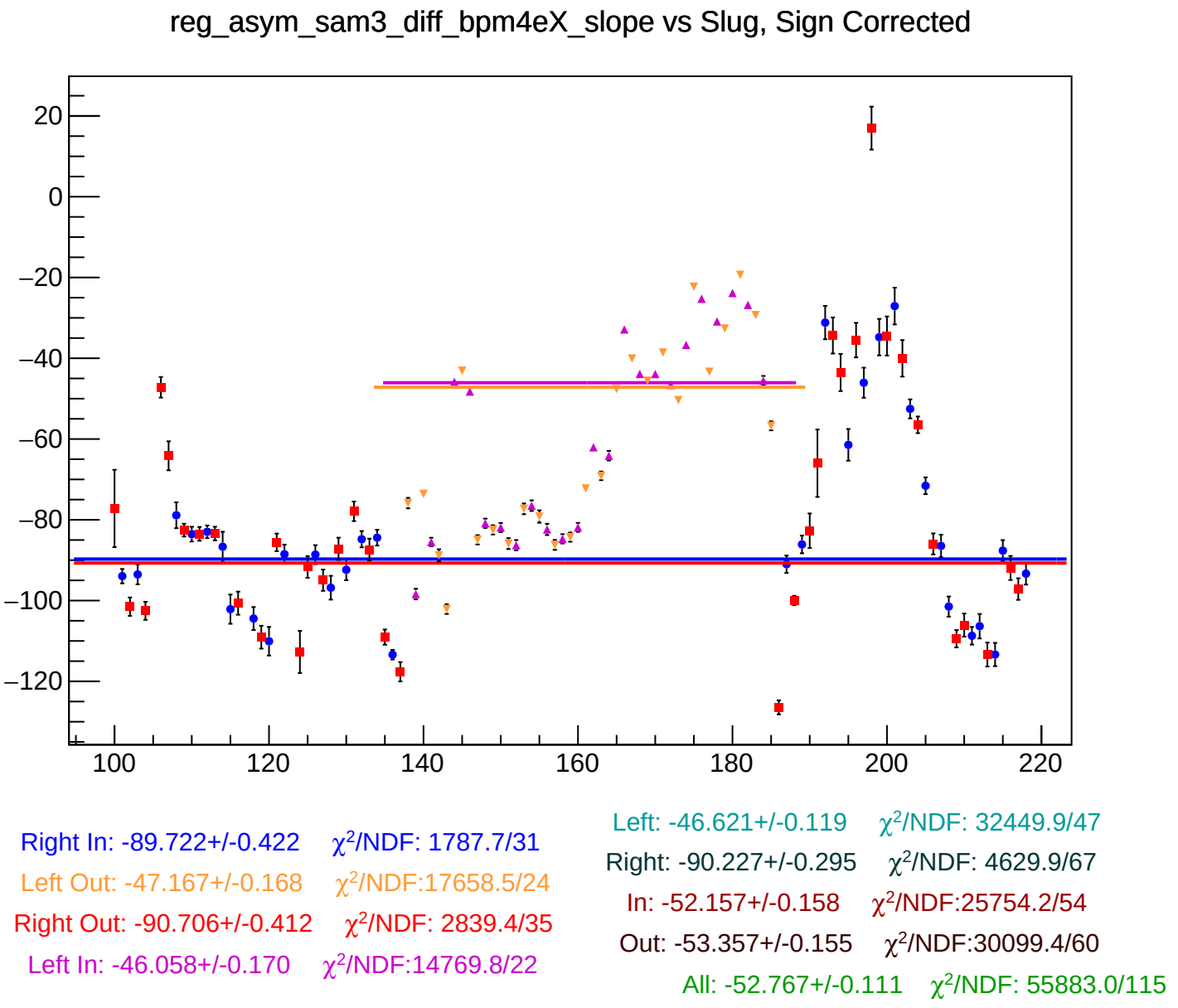
Left: 0.435+/-0.094 χ^2/NDF: 6201.6/47

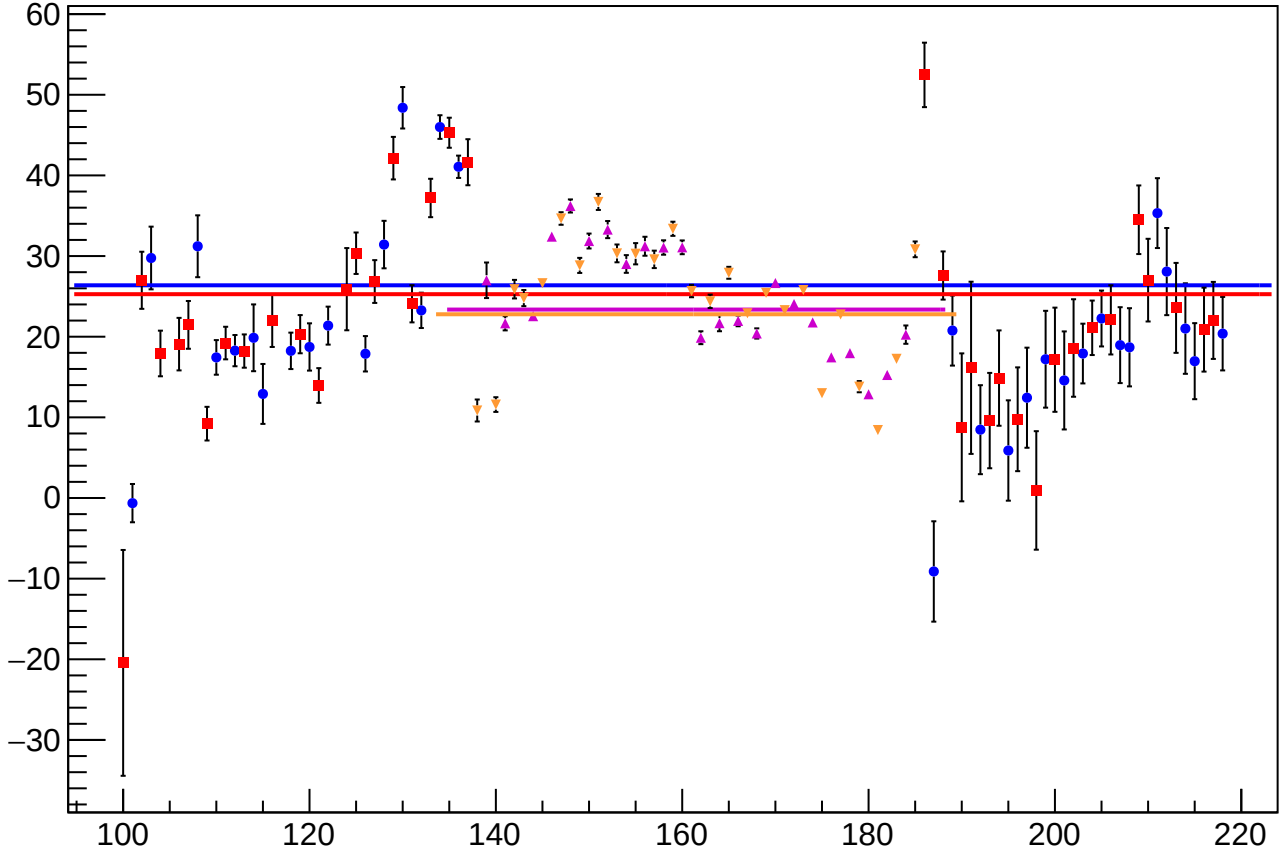
Right: -4.472+/-0.326 χ^2/NDF: 544.8/67

In: -0.212+/-0.128 χ^2/NDF:3114.7/54

Out: 0.330+/-0.127 χ^2/NDF:3831.8/60

All: 0.060+/-0.090 χ^2/NDF: 6955.6/115


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
100
120
140
160
180
200
220
Right In: -89.722+/-0.422 χ²/NDF: 1787.7/31
Left Out: -47.167+/-0.168 χ²/NDF:17658.5/24
Right Out: -90.706+/-0.412 χ²/NDF: 2839.4/35
Left In: -46.058+/-0.170 χ²/NDF:14769.8/22
Left: -46.621+/-0.119 χ²/NDF: 32449.9/47
Right: -90.227+/-0.295 χ²/NDF: 4629.9/67
In: -52.157+/-0.158 χ²/NDF:25754.2/54
Out: -53.357+/-0.155 χ²/NDF:30099.4/60
All: -52.767+/-0.111 χ²/NDF: 55883.0/115



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: 25.273+/-0.530 χ^2/NDF: 443.5/35

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

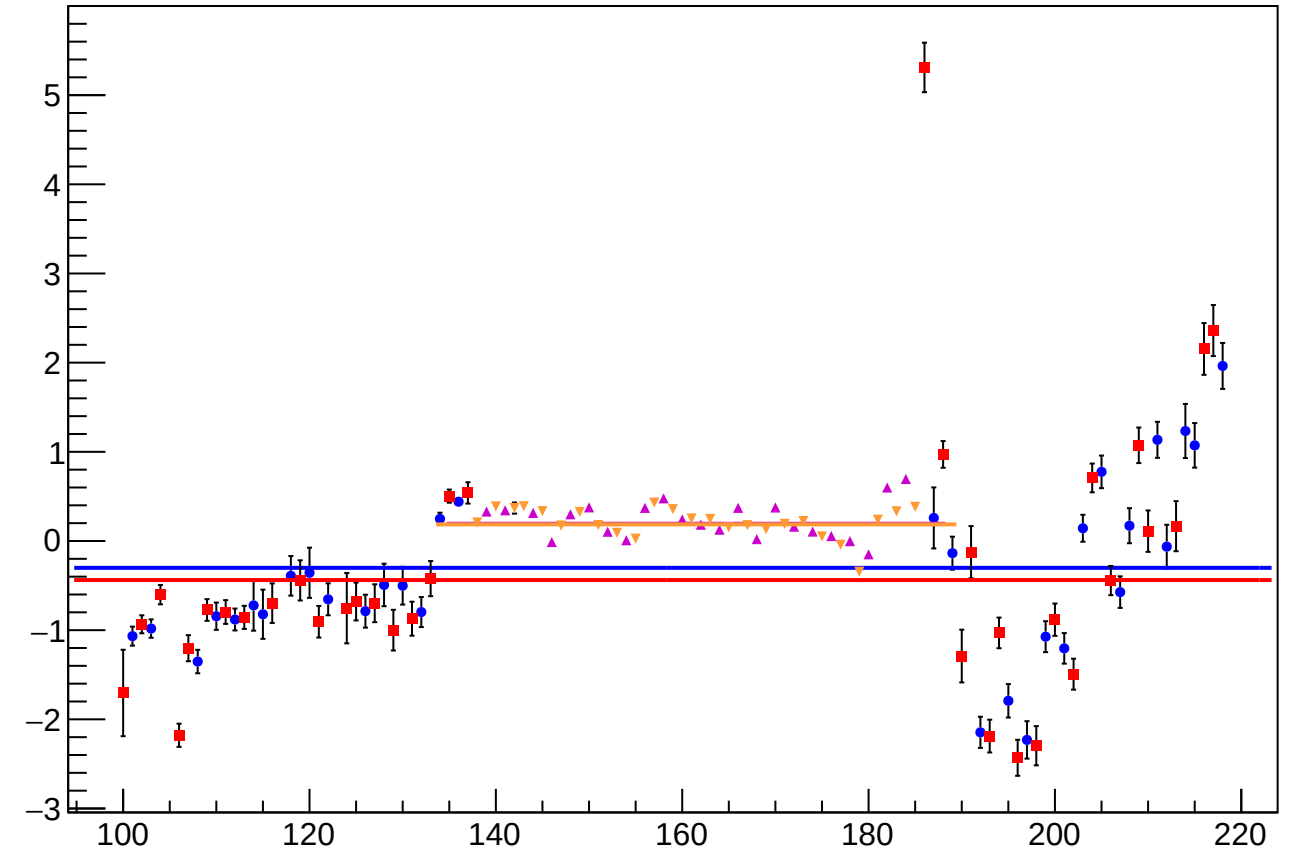
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 25.838+/-0.369 χ^2/NDF: 1127.0/67

In: 23.597+/-0.143 χ^2/NDF:2498.1/54

Out: 22.961+/-0.142 χ^2/NDF:2877.0/60

All: 23.277+/-0.101 χ^2/NDF: 5385.0/115



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: -0.438+/-0.027 χ^2/NDF: 1653.7/35

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

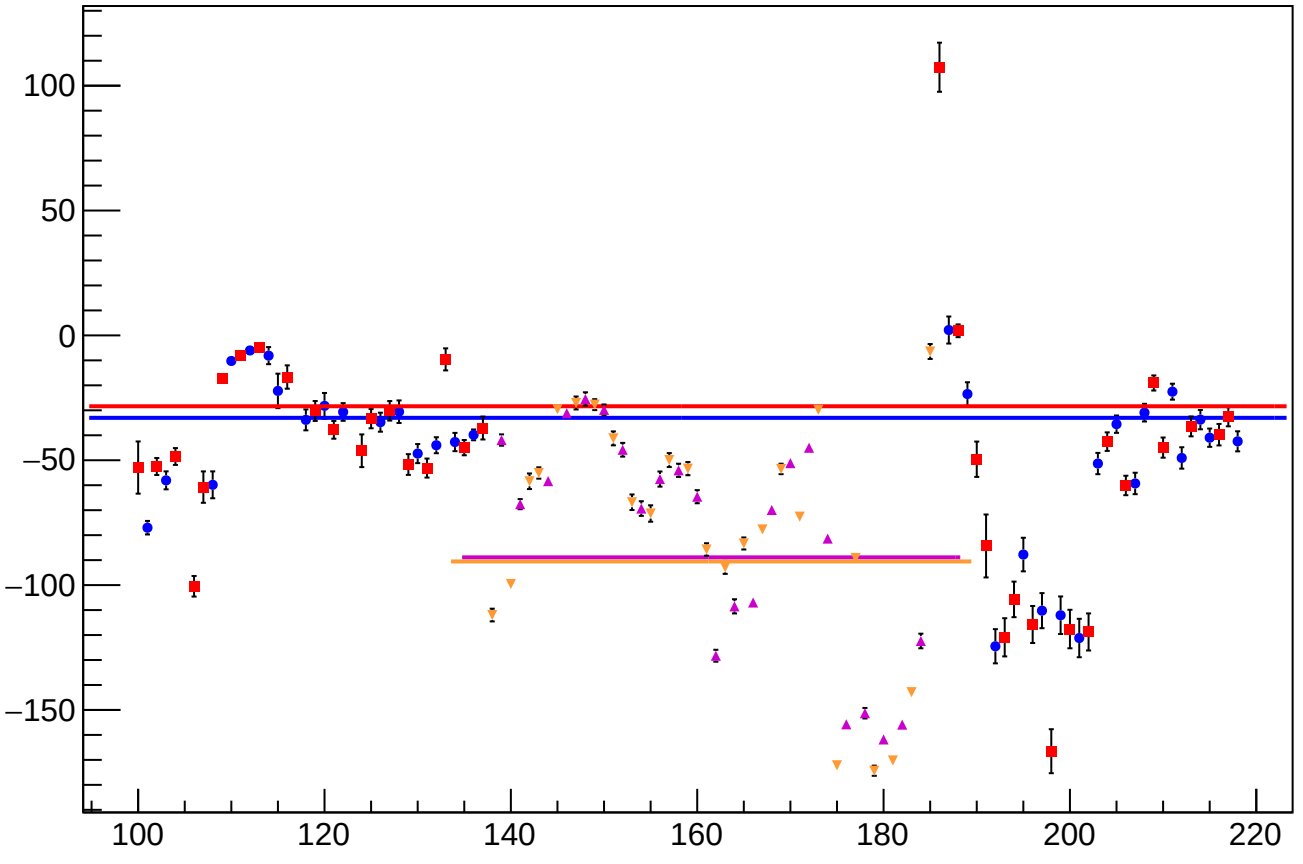
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.366+/-0.019 χ^2/NDF: 2669.1/67

In: 0.163+/-0.006 χ^2/NDF:2277.2/54

Out: 0.152+/-0.006 χ^2/NDF:2791.7/60

All: 0.157+/-0.005 χ^2/NDF: 5070.4/115



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: -28.381+/-0.571 χ^2/NDF: 2434.9/35

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

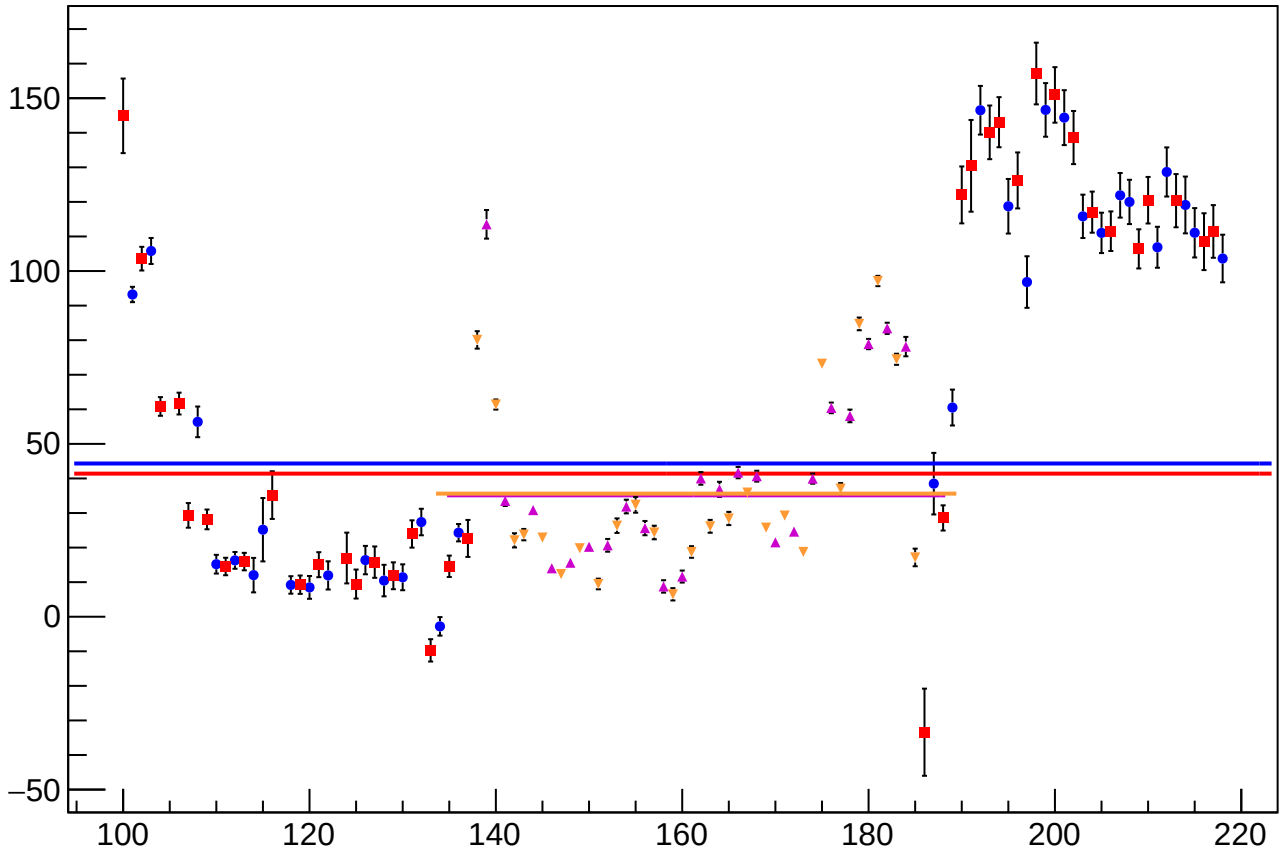
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -30.548+/-0.417 χ^2/NDF: 4153.8/67

In: -70.052+/-0.354 χ^2/NDF:19078.3/54

Out: -68.645+/-0.339 χ^2/NDF:25458.9/60

All: -69.319+/-0.245 χ^2/NDF: 44545.5/115



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: 41.397+/-0.719 χ^2/NDF: 3488.0/35

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

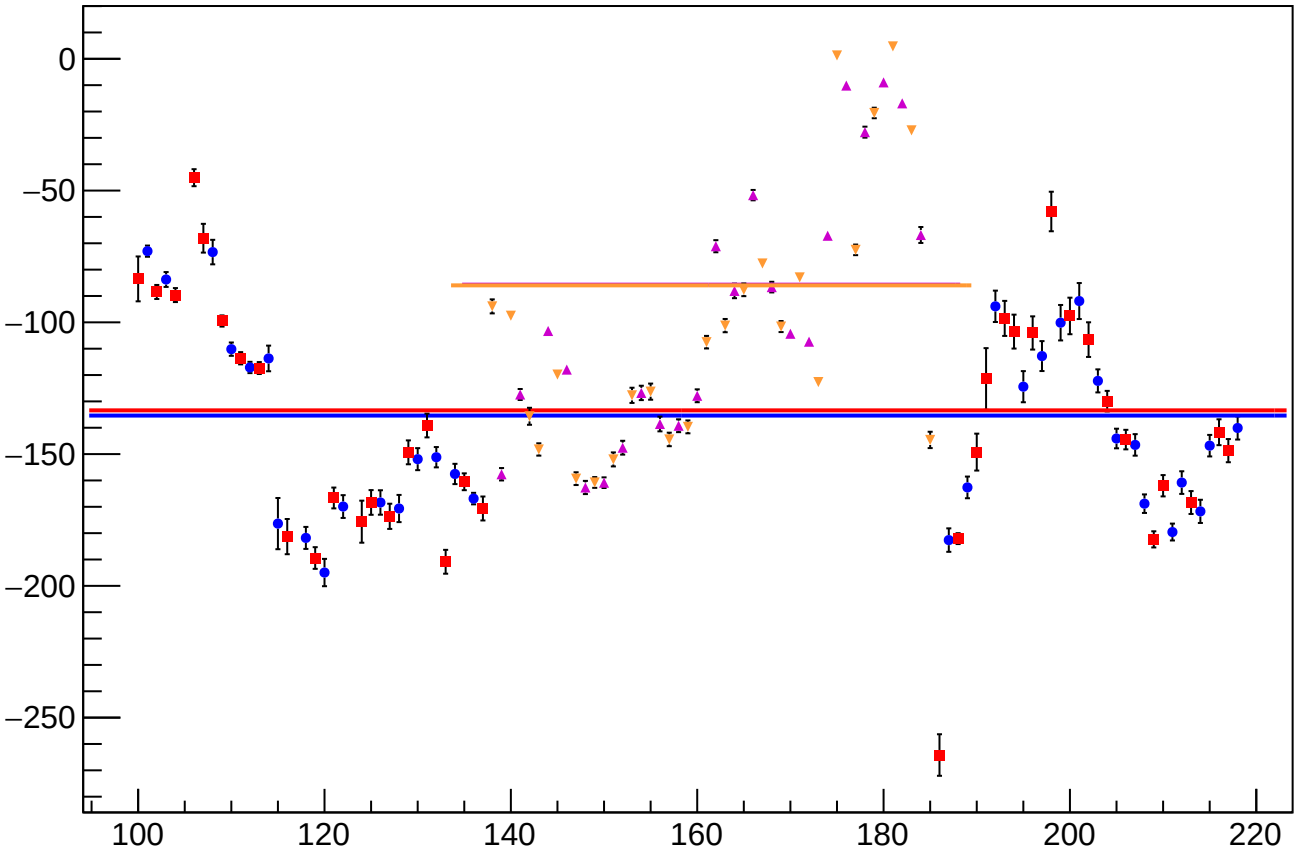
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 42.841+/-0.512 χ^2/NDF: 7227.8/67

In: 36.727+/-0.305 χ^2/NDF:8007.7/54

Out: 36.596+/-0.297 χ^2/NDF:9514.7/60

All: 36.660+/-0.213 χ^2/NDF: 17522.4/115



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: -133.402+/-0.641 χ^2/NDF: 4084.1/35

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

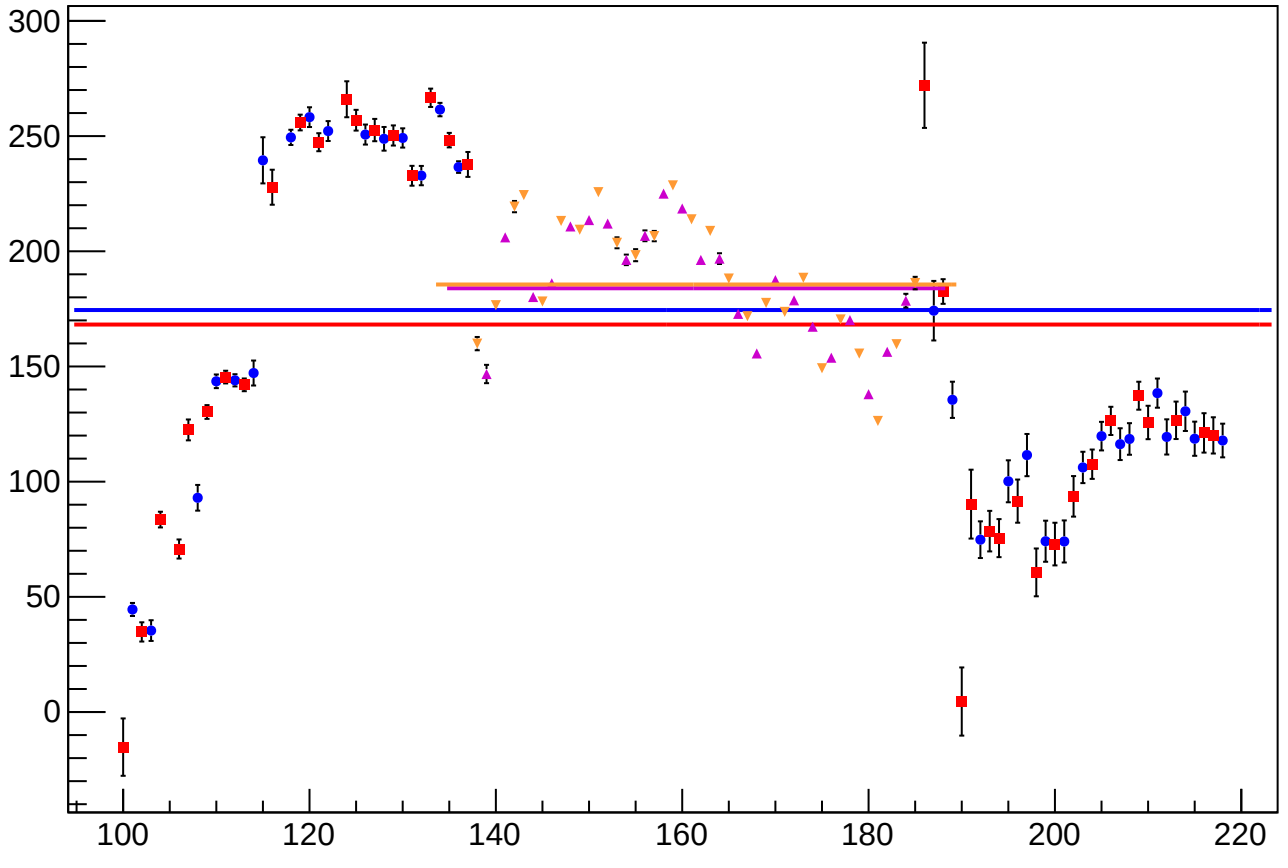
Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

Right: -134.356+/-0.461 χ^2/NDF: 7071.4/67

In: -100.531+/-0.362 χ^2/NDF:20679.0/54

Out: -100.266+/-0.352 χ^2/NDF:24146.3/60

All: -100.395+/-0.252 χ^2/NDF: 44825.6/115



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: 168.199+/-0.823 χ^2/NDF: 7871.1/35

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

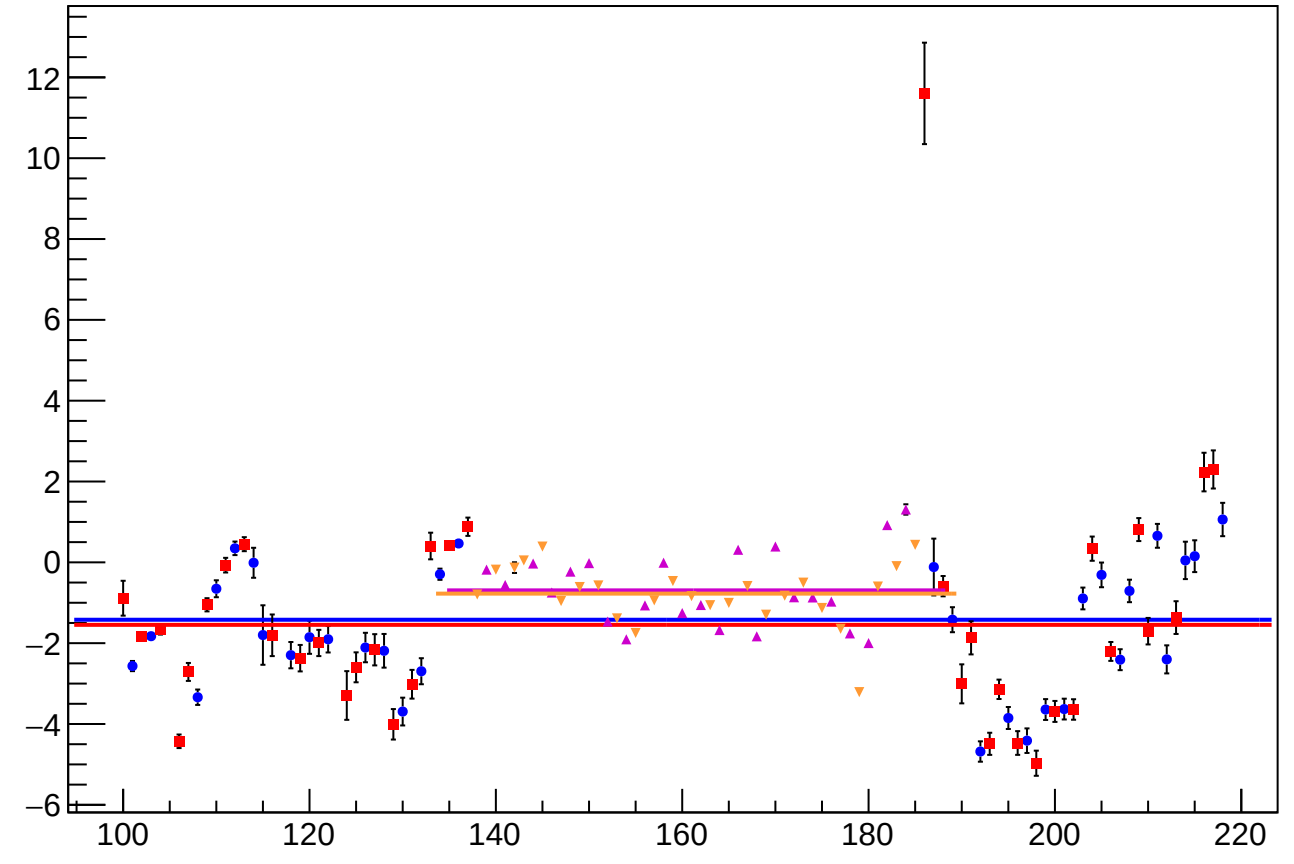
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 171.327+/-0.584 χ^2/NDF: 16325.2/67

In: 182.317+/-0.344 χ^2/NDF:12406.1/54

Out: 182.706+/-0.335 χ^2/NDF:13597.7/60

All: 182.516+/-0.240 χ^2/NDF: 26004.4/115



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: -1.546+/-0.040 χ^2/NDF: 1924.2/35

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

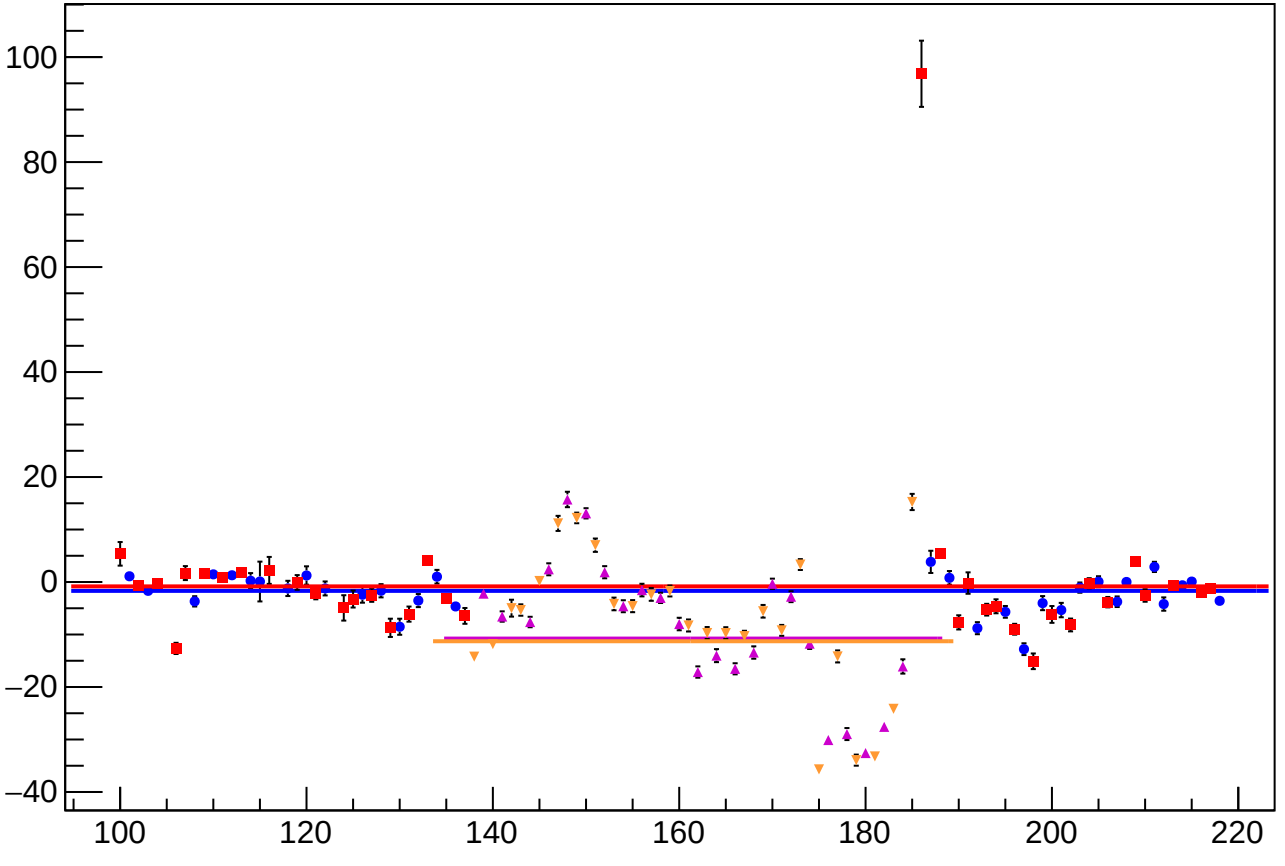
Right: -1.484+/-0.029 χ^2/NDF: 3402.9/67

In: -0.800+/-0.016 χ^2/NDF:4312.3/54

Out: -0.885+/-0.015 χ^2/NDF:4063.9/60

All: -0.843+/-0.011 χ^2/NDF: 8391.7/115

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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: -0.832+/-0.168 χ^2/NDF: 931.2/35

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

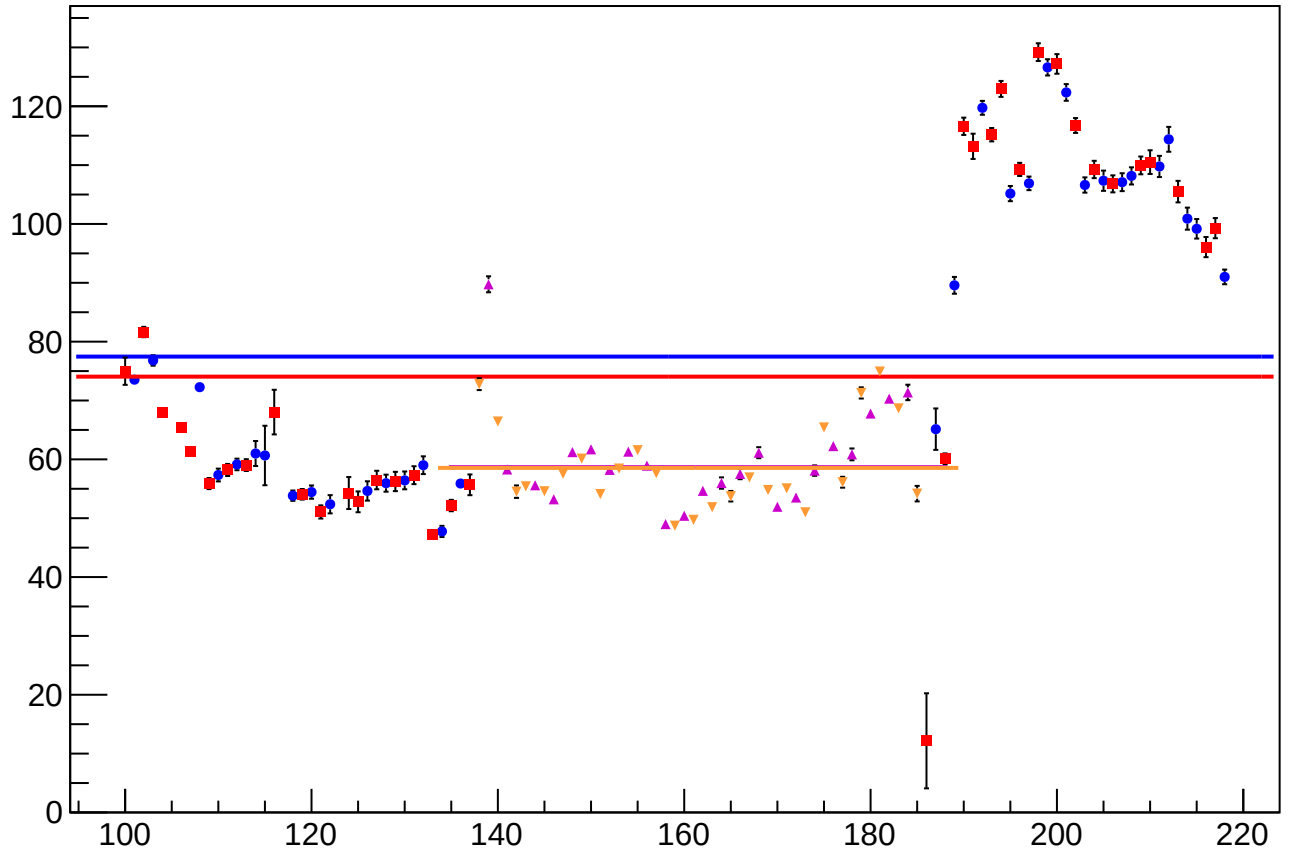
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.226+/-0.124 χ^2/NDF: 1272.7/67

In: -5.521+/-0.139 χ^2/NDF:5077.9/54

Out: -4.966+/-0.131 χ^2/NDF:6958.0/60

All: -5.227+/-0.095 χ^2/NDF: 12044.4/115



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: 74.055+/-0.201 χ^2/NDF: 16329.4/35

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

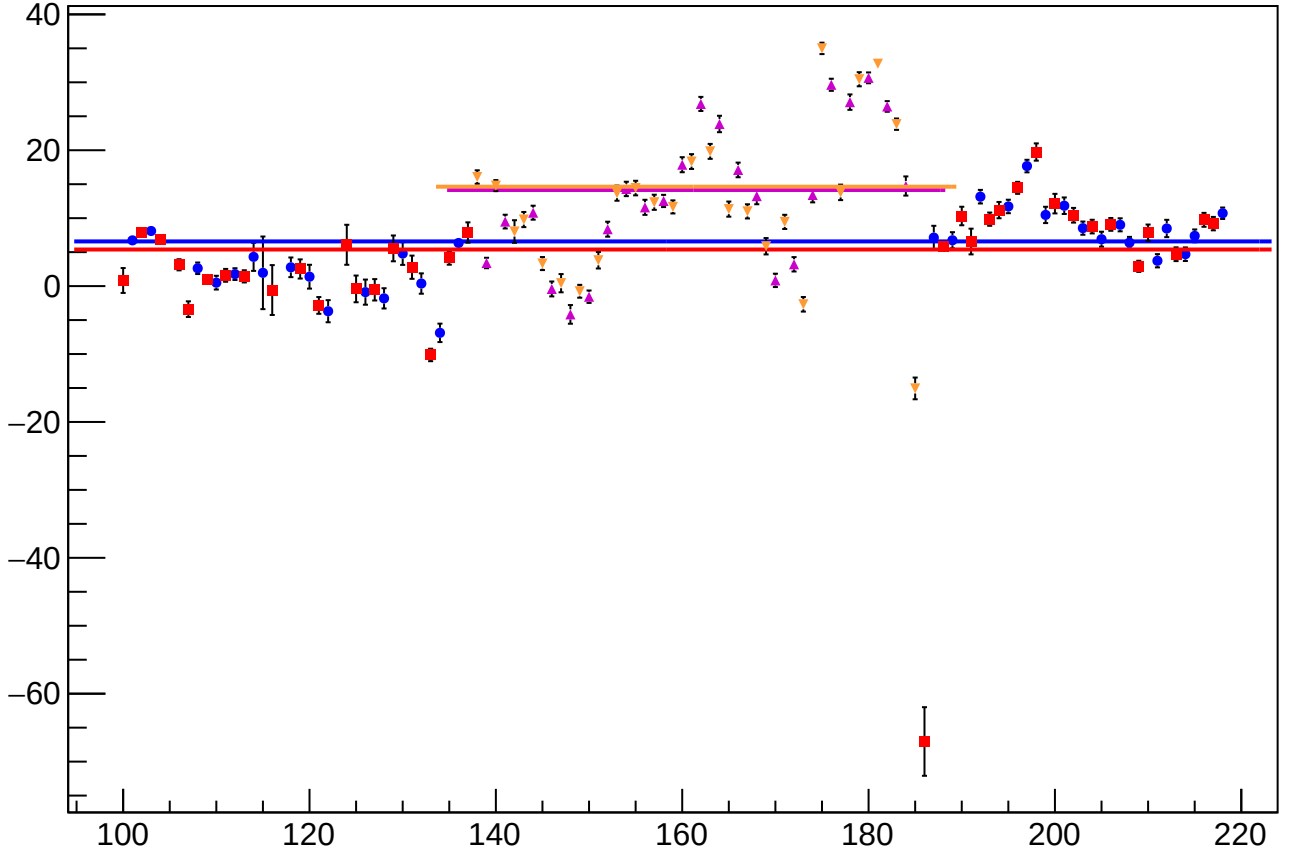
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 75.637+/-0.147 χ^2/NDF: 28565.9/67

In: 65.795+/-0.133 χ^2/NDF:18431.5/54

Out: 64.627+/-0.126 χ^2/NDF:21859.6/60

All: 65.180+/-0.091 χ^2/NDF: 40332.0/115



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: 5.387+/-0.173 χ^2/NDF: 1148.1/35

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

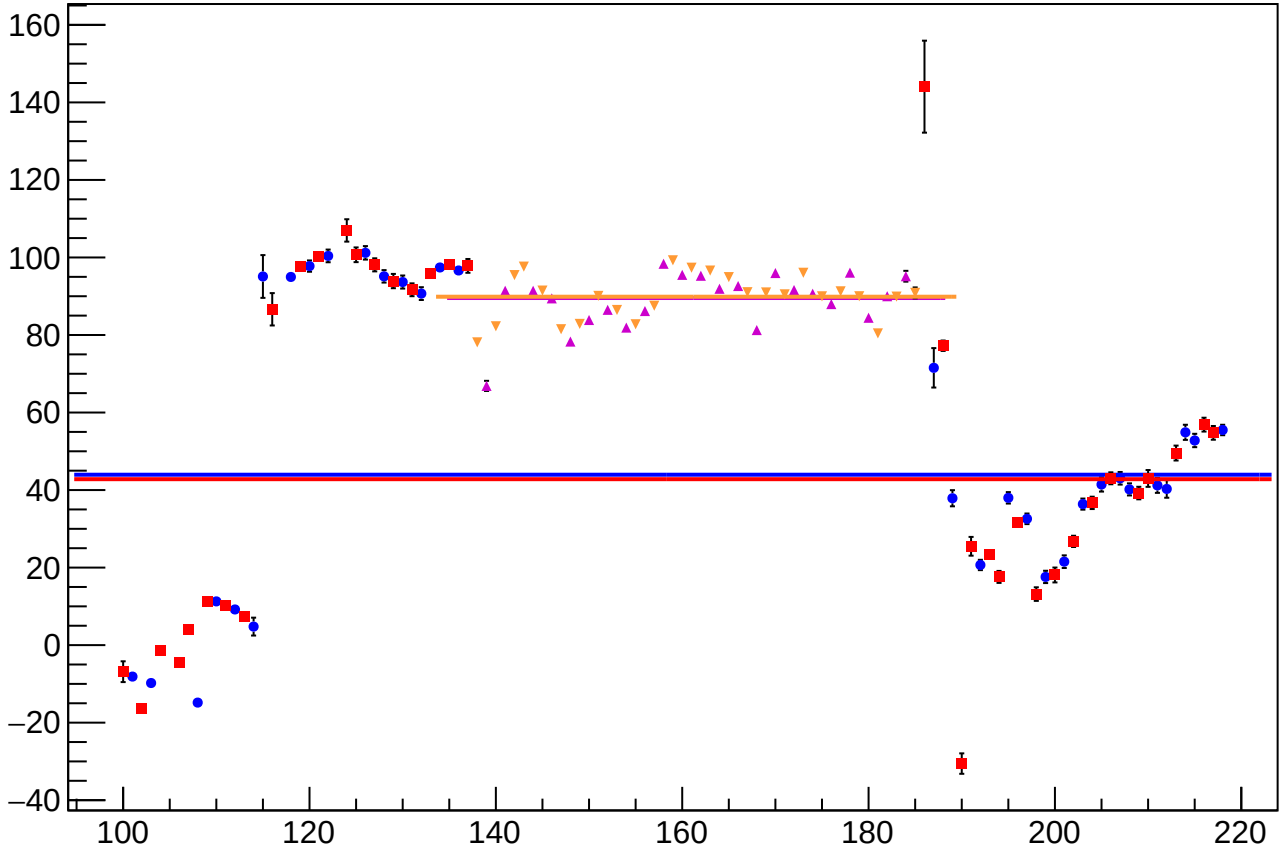
Right: 5.943+/-0.126 χ^2/NDF: 1779.6/67

In: 9.854+/-0.139 χ^2/NDF:3878.0/54

Out: 9.187+/-0.133 χ^2/NDF:5289.2/60

All: 9.505+/-0.096 χ^2/NDF: 9179.2/115

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: 42.807+/-0.234 χ^2/NDF: 31866.7/35

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

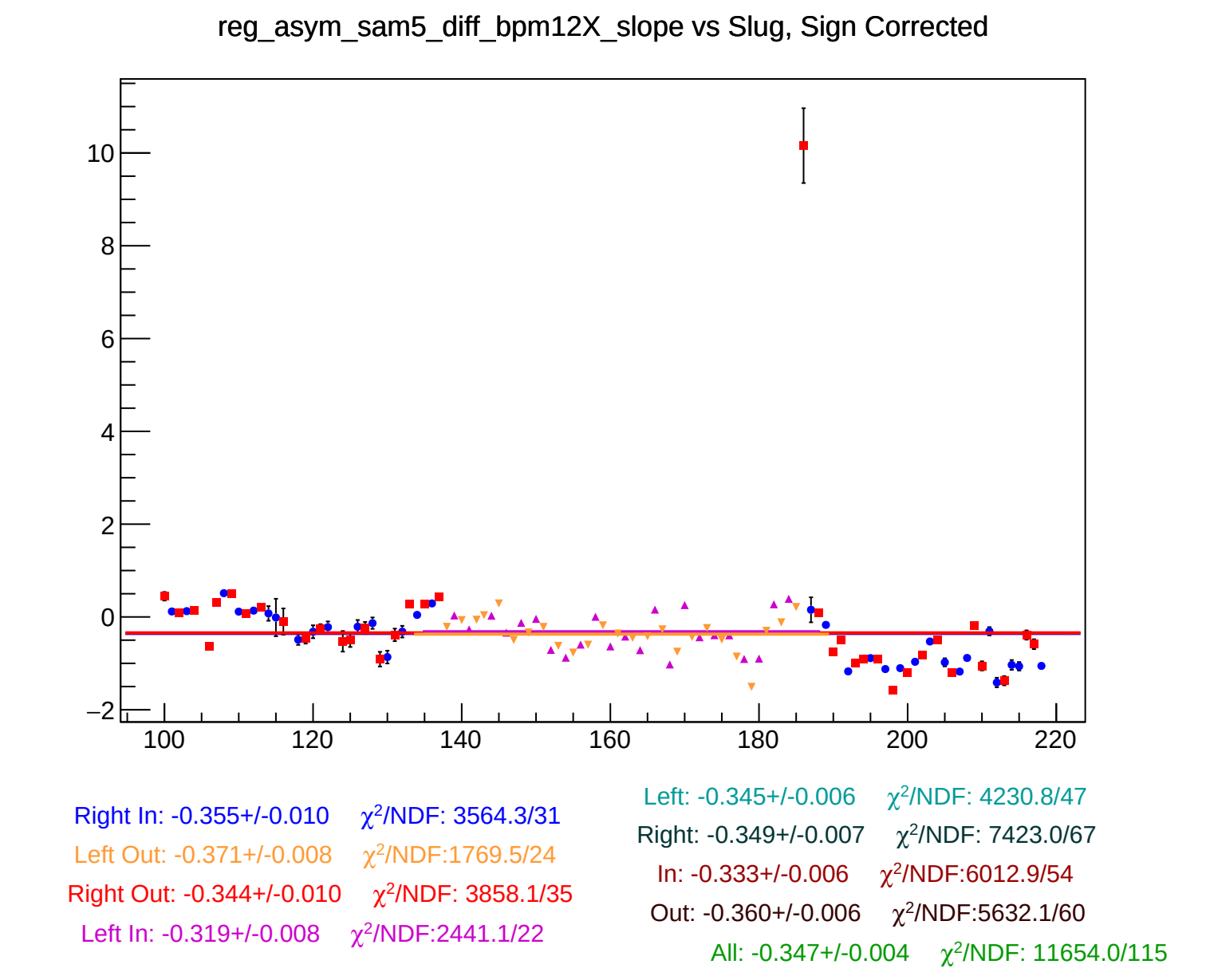
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

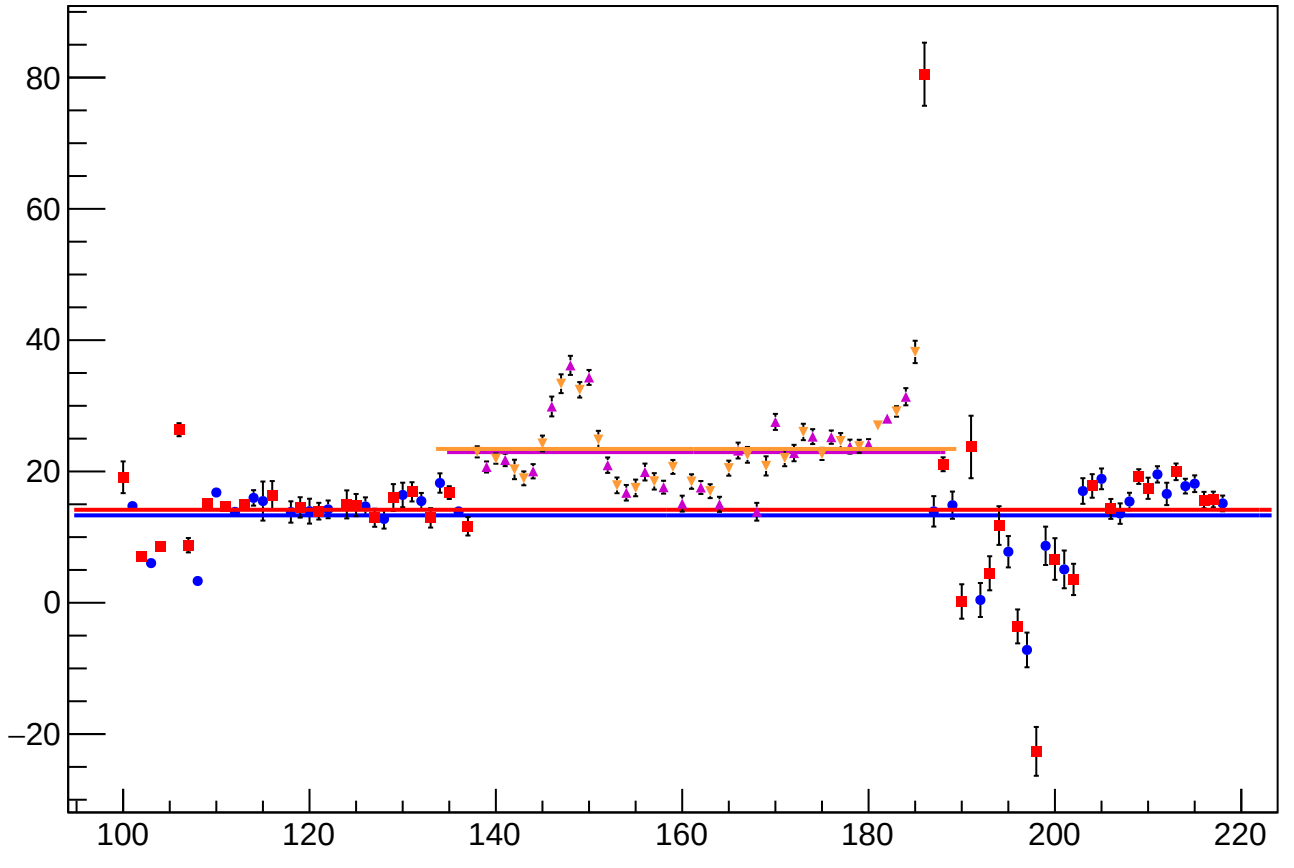
Right: 43.350+/-0.170 χ^2/NDF: 59957.4/67

In: 72.918+/-0.149 χ^2/NDF:50721.2/54

Out: 72.262+/-0.143 χ^2/NDF:58230.6/60

All: 72.576+/-0.103 χ^2/NDF: 108961.8/115


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: -0.344+/-0.010 χ2/NDF: 3858.1/35
Left In: -0.319+/-0.008 χ2/NDF:2441.1/22
Left: -0.345+/-0.006 χ2/NDF: 4230.8/47
Right: -0.349+/-0.007 χ2/NDF: 7423.0/67
In: -0.333+/-0.006 χ2/NDF:6012.9/54
Out: -0.360+/-0.006 χ2/NDF:5632.1/60
All: -0.347+/-0.004 χ2/NDF: 11654.0/115



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: 14.163+/-0.183 χ^2/NDF: 911.7/35

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

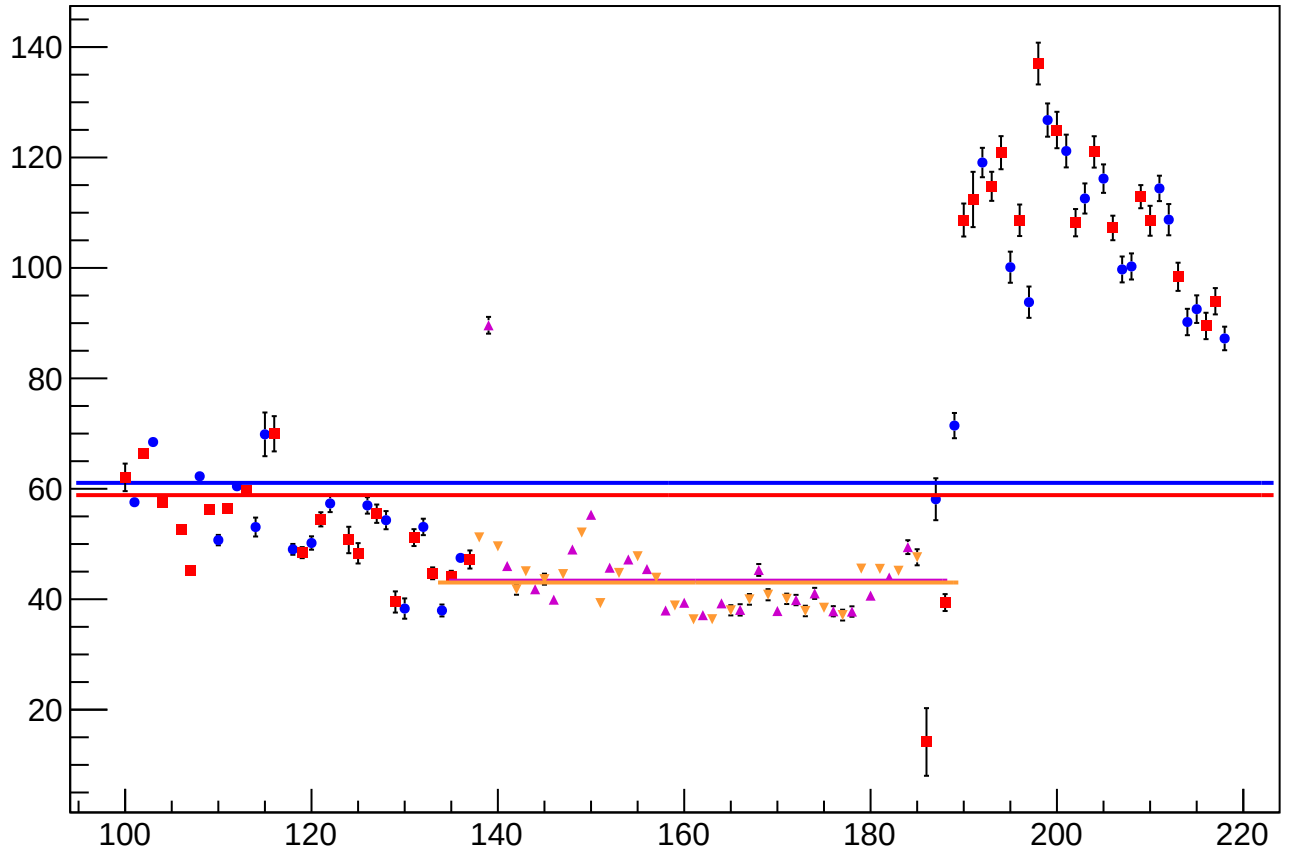
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.753+/-0.132 χ^2/NDF: 1496.9/67

In: 17.316+/-0.145 χ^2/NDF:2208.8/54

Out: 18.045+/-0.140 χ^2/NDF:2410.8/60

All: 17.695+/-0.101 χ^2/NDF: 4632.7/115



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: 58.853+/-0.212 χ^2/NDF: 7040.3/35

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

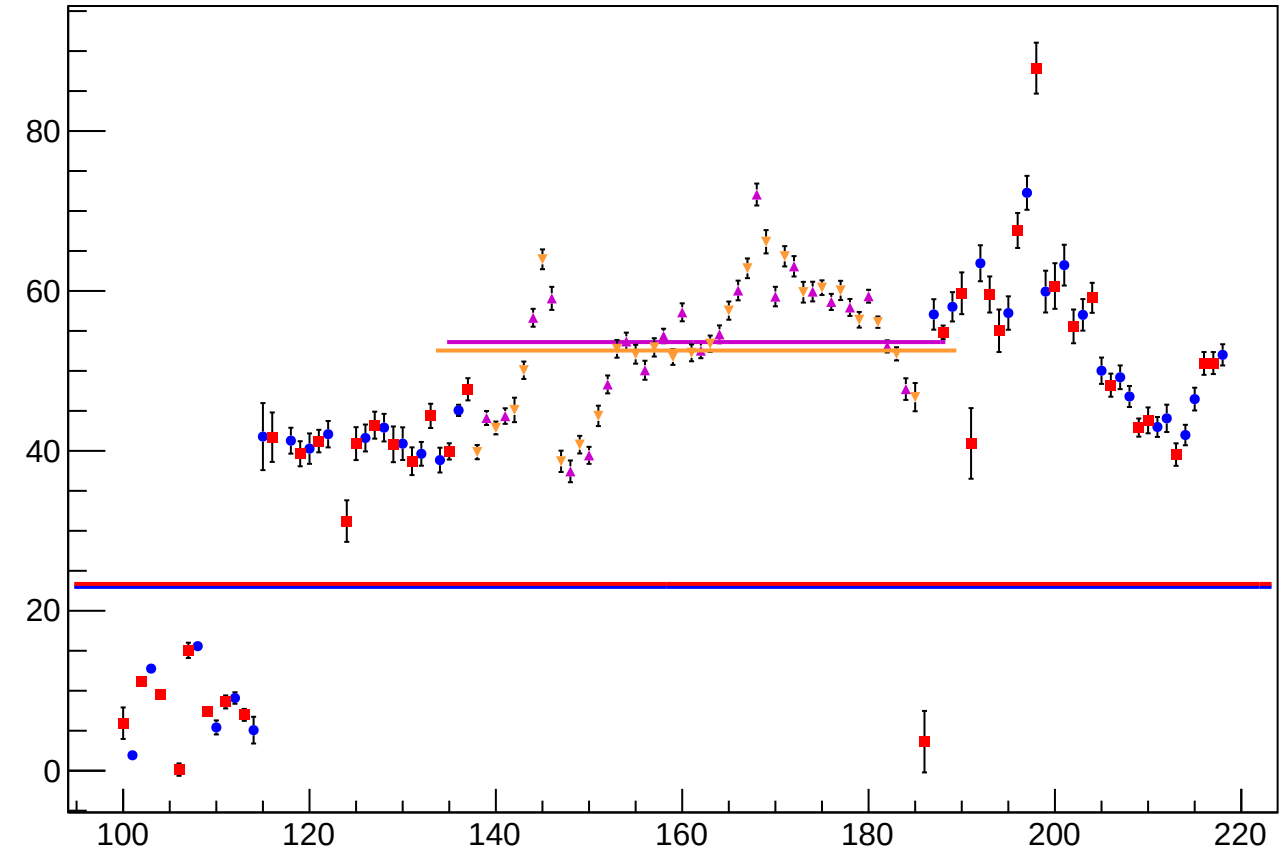
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 59.973+/-0.149 χ^2/NDF: 12967.6/67

In: 50.728+/-0.135 χ^2/NDF:11717.5/54

Out: 49.117+/-0.131 χ^2/NDF:11263.2/60

All: 49.898+/-0.094 χ^2/NDF: 23053.7/115



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: 23.360+/-0.193 χ^2/NDF: 10474.5/35

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

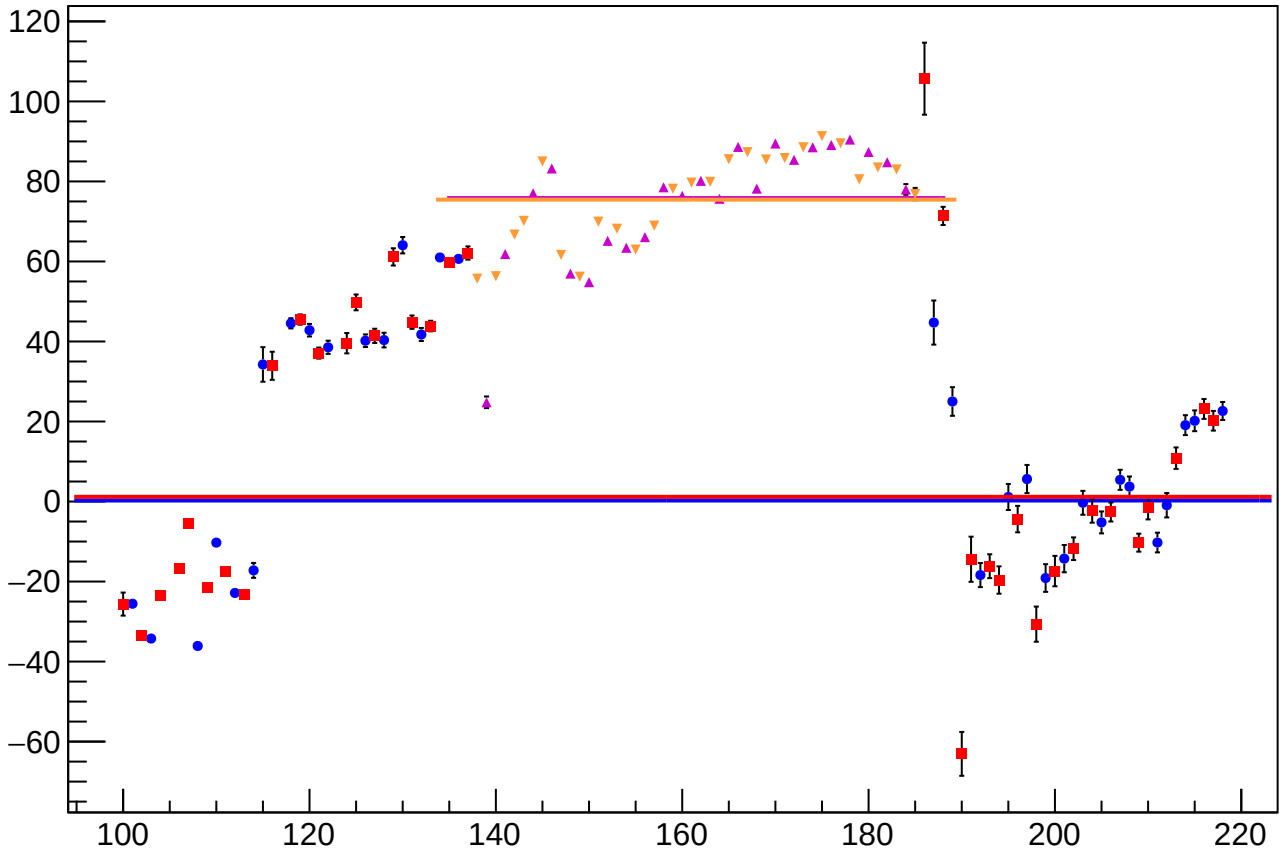
Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

Right: 23.173+/-0.135 χ^2/NDF: 21708.2/67

In: 35.882+/-0.145 χ^2/NDF:23167.9/54

Out: 36.399+/-0.143 χ^2/NDF:21899.9/60

All: 36.142+/-0.102 χ^2/NDF: 45074.2/115



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: 1.180+/-0.248 χ^2/NDF: 17620.1/35

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

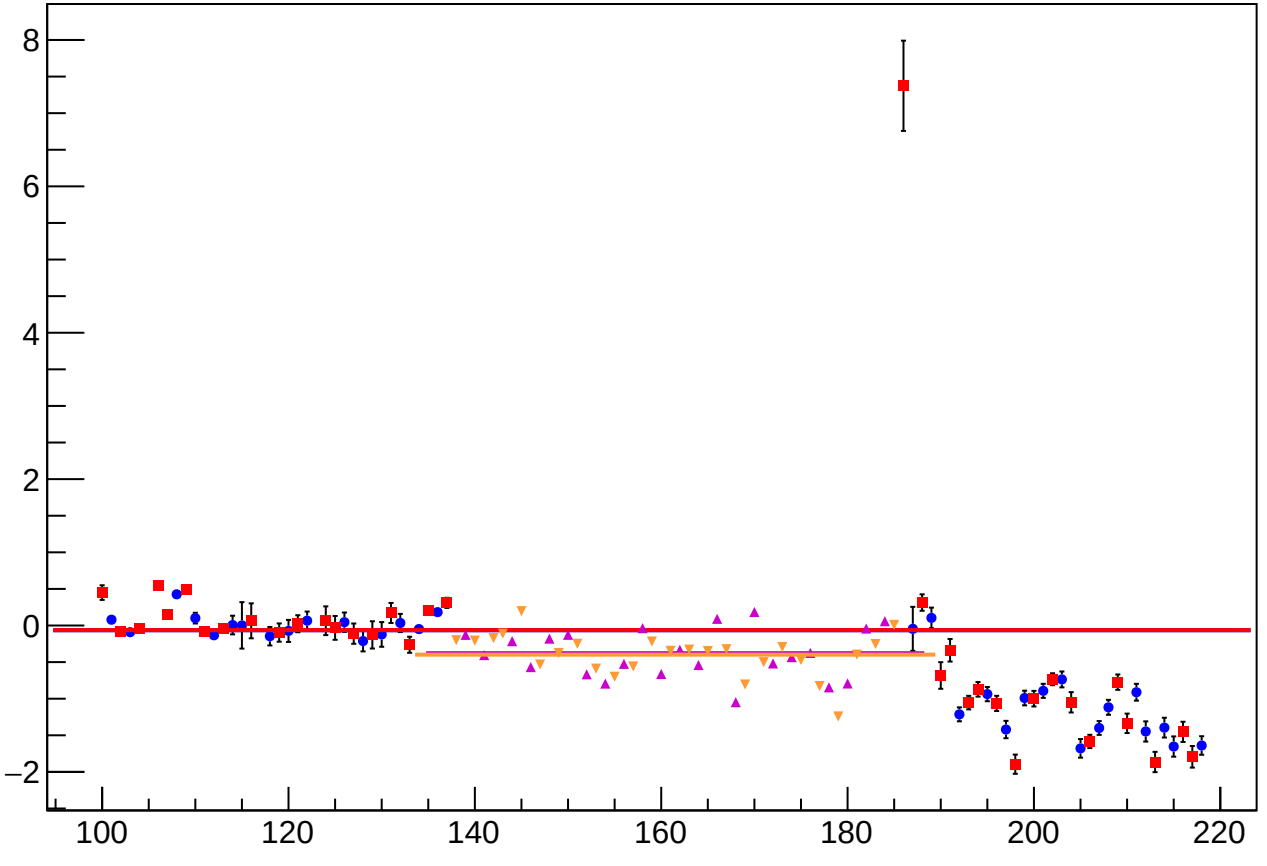
Right: 0.716+/-0.175 χ^2/NDF: 39109.3/67

In: 46.245+/-0.154 χ^2/NDF:83246.0/54

Out: 48.278+/-0.150 χ^2/NDF:77975.2/60

All: 47.287+/-0.107 χ^2/NDF: 161310.6/115

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: -0.063+/-0.011 χ^2/NDF: 2243.8/35

Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

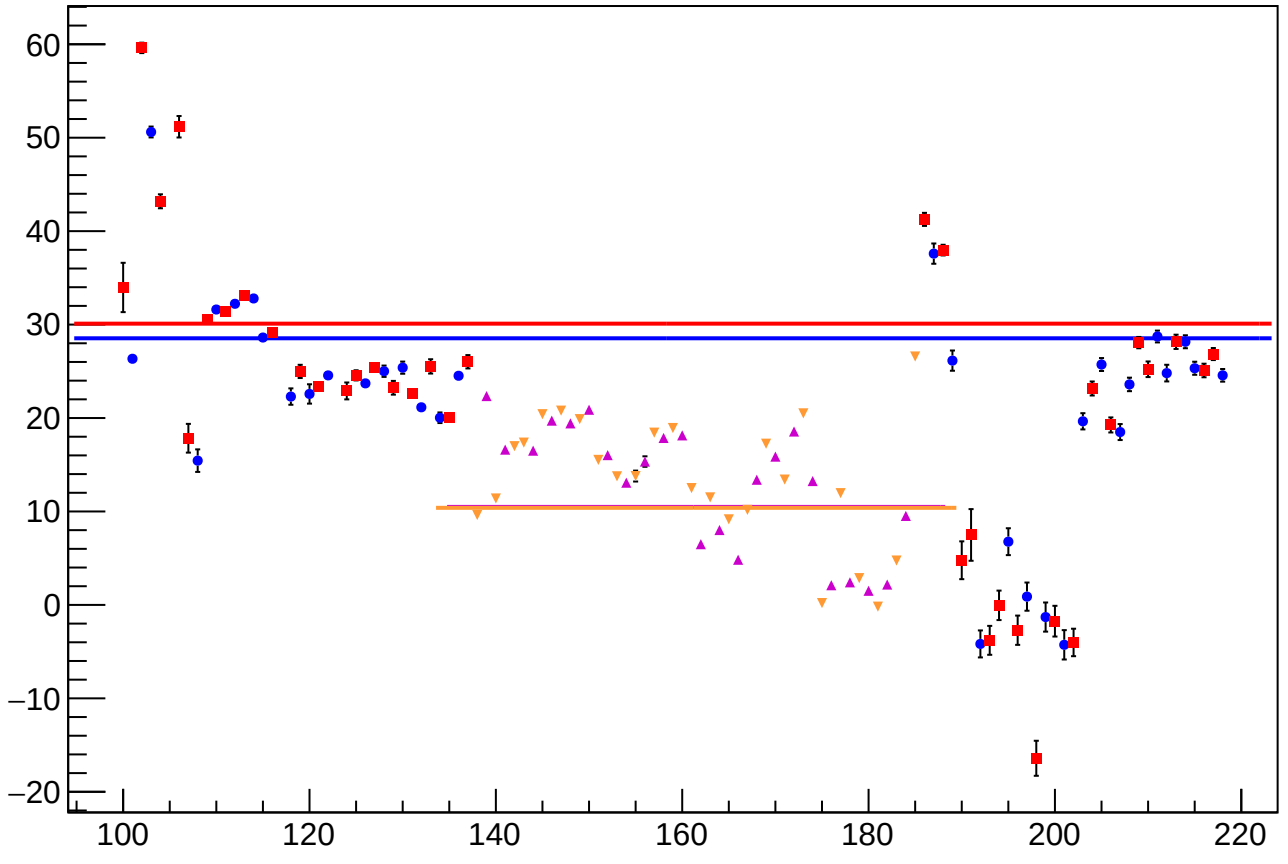
Left: -0.388+/-0.006 χ^2/NDF: 2386.0/47

Right: -0.064+/-0.007 χ^2/NDF: 4314.5/67

In: -0.252+/-0.007 χ^2/NDF:3955.5/54

Out: -0.268+/-0.007 χ^2/NDF:3891.7/60

All: -0.260+/-0.005 χ^2/NDF: 7850.3/115



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: 30.100+/-0.075 χ^2/NDF: 9022.2/35

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

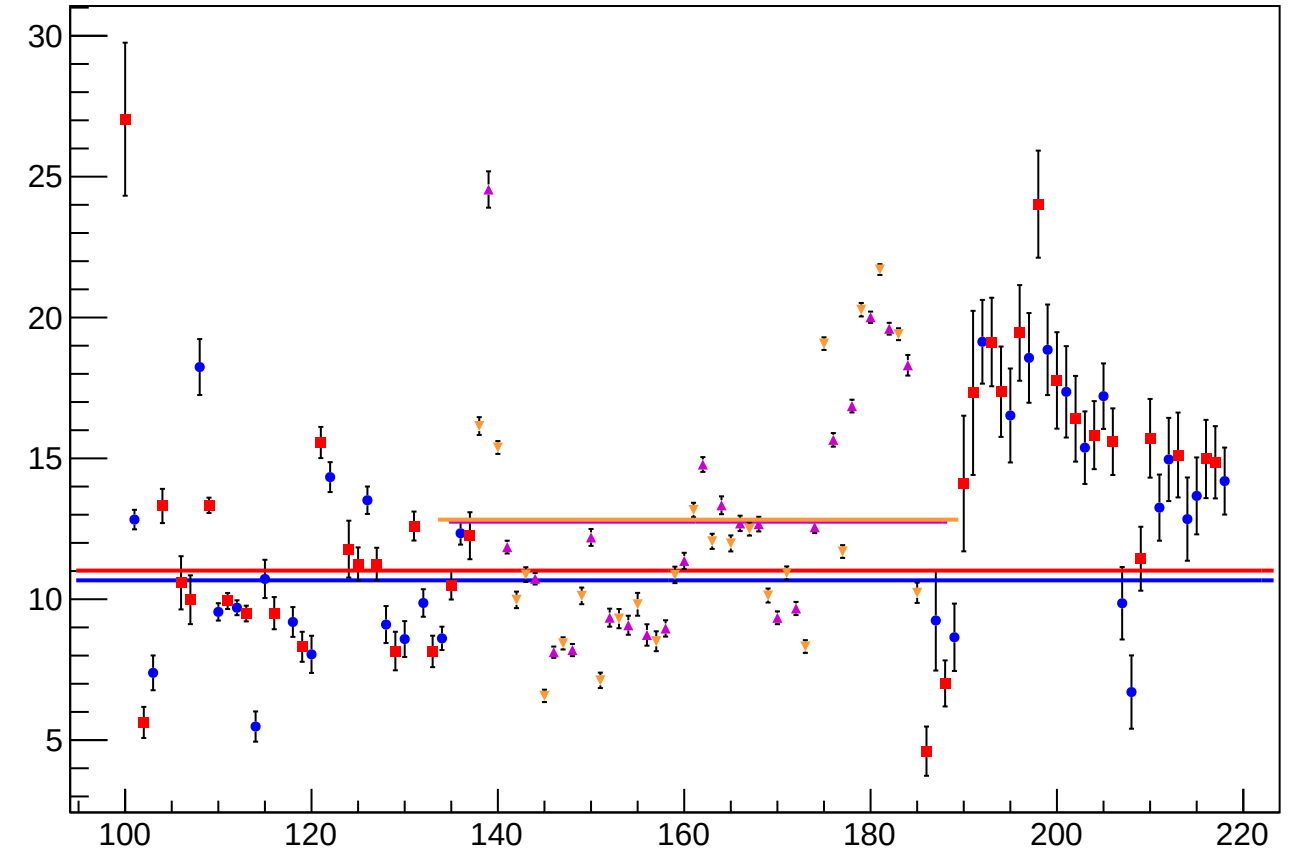
Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

Right: 29.411+/-0.056 χ^2/NDF: 15037.9/67

In: 17.392+/-0.052 χ^2/NDF:45255.9/54

Out: 18.692+/-0.049 χ^2/NDF:62608.0/60

All: 18.089+/-0.036 χ^2/NDF: 108193.0/115



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: 11.017+/-0.107 χ^2/NDF: 713.4/35

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

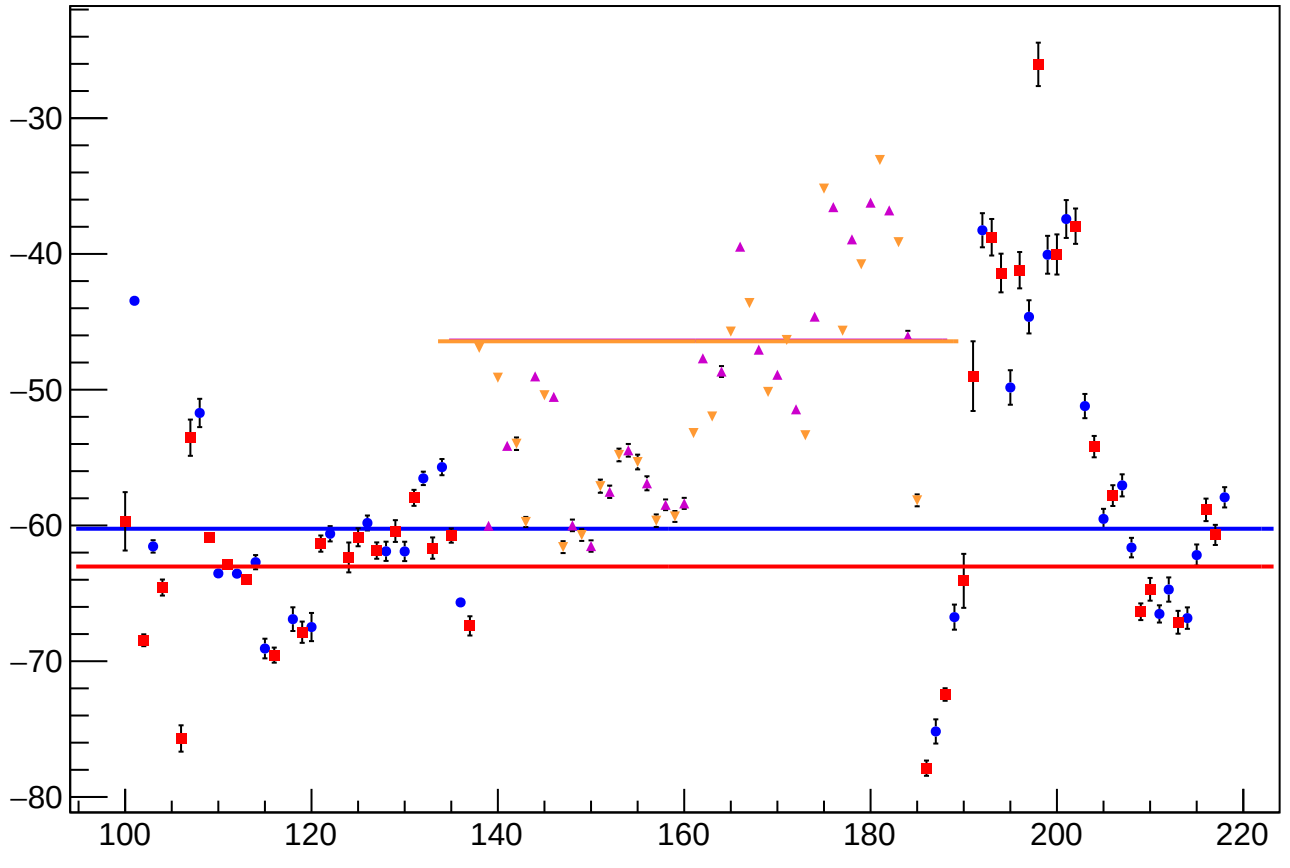
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.846+/-0.076 χ^2/NDF: 1330.0/67

In: 12.350+/-0.048 χ^2/NDF:6412.7/54

Out: 12.487+/-0.046 χ^2/NDF:8963.8/60

All: 12.421+/-0.033 χ^2/NDF: 15380.8/115



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: -63.025+/-0.095 χ^2/NDF: 4223.9/35

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

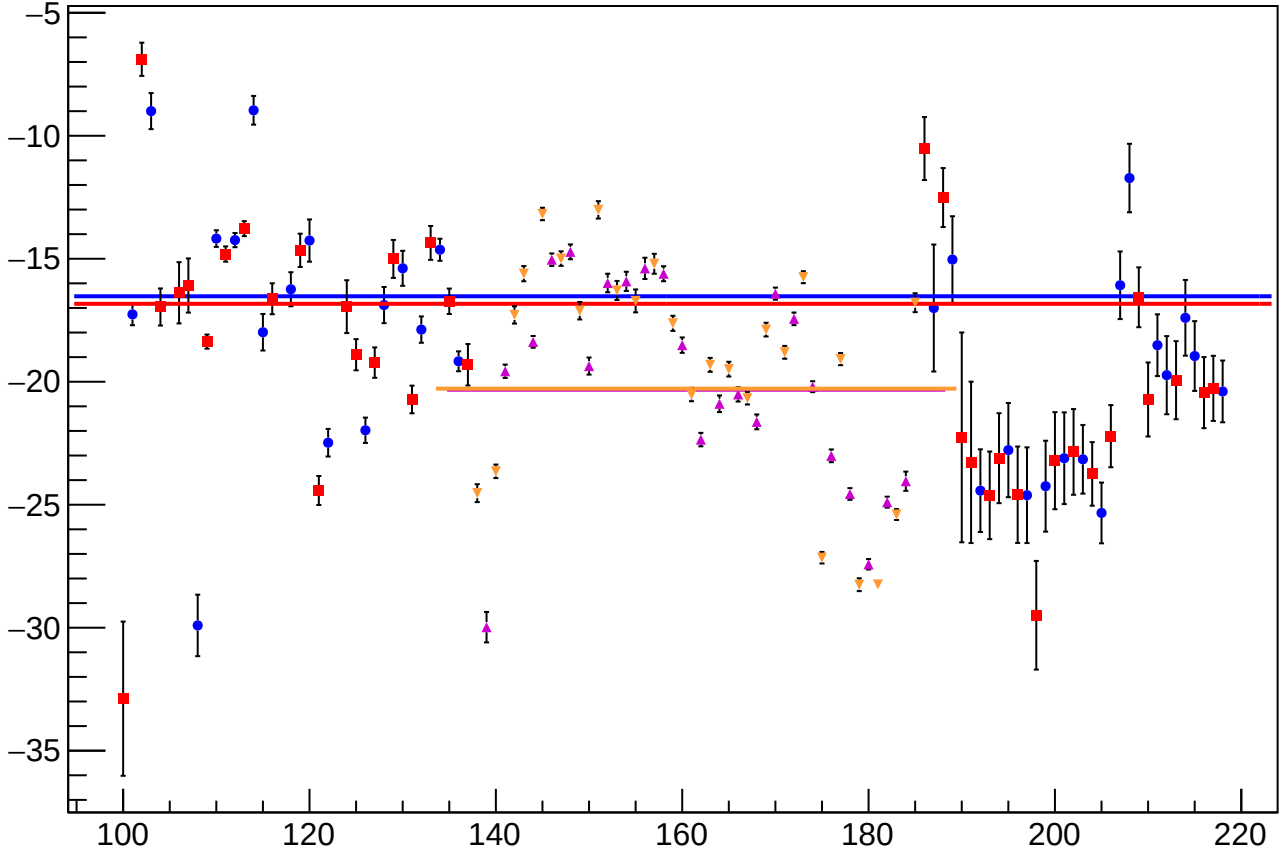
Right: -61.709+/-0.069 χ^2/NDF: 9900.7/67

In: -50.629+/-0.056 χ^2/NDF:33541.4/54

Out: -51.646+/-0.053 χ^2/NDF:43222.1/60

All: -51.158+/-0.039 χ^2/NDF: 76937.6/115

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: -16.832+/-0.118 χ^2/NDF: 906.2/35

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

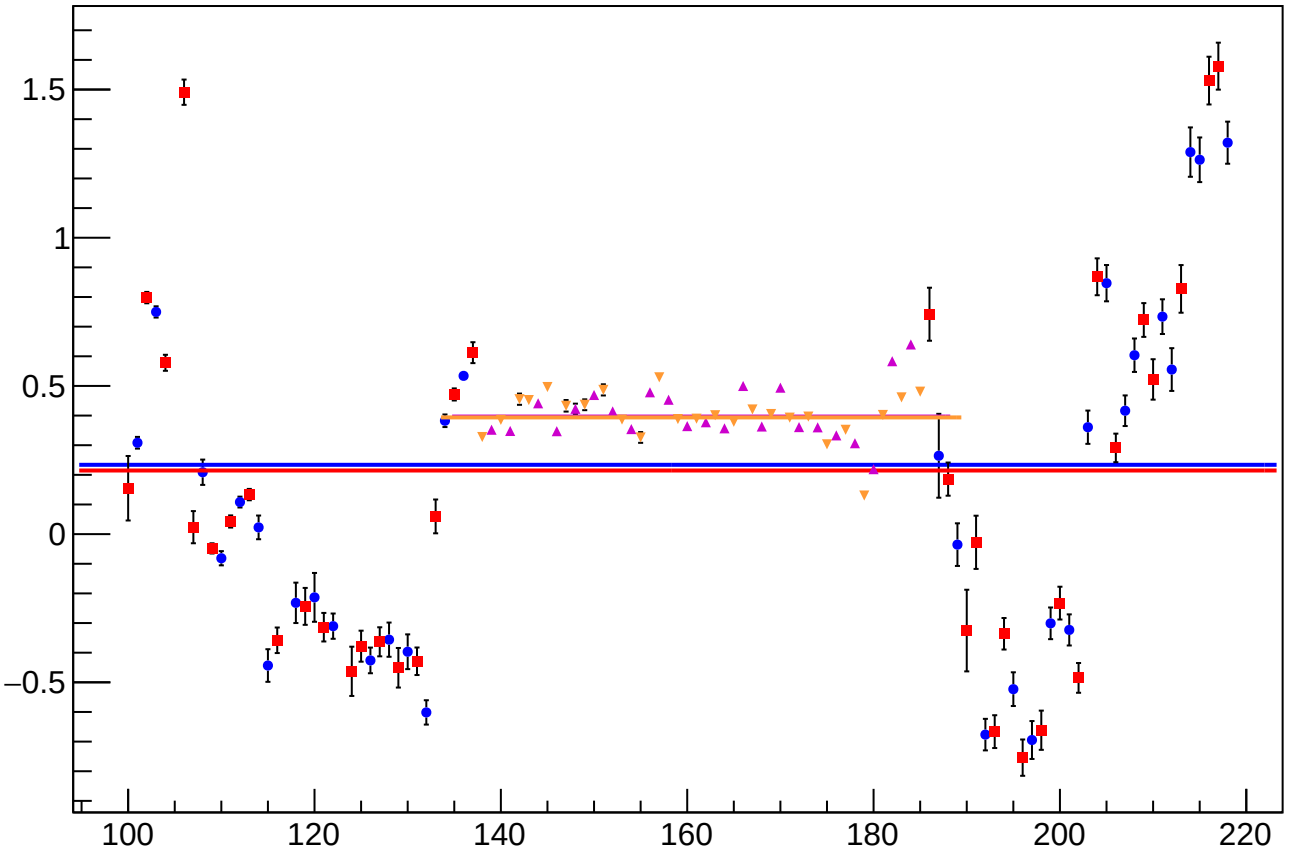
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.682+/-0.085 χ^2/NDF: 1900.9/67

In: -19.591+/-0.053 χ^2/NDF:6062.6/54

Out: -19.631+/-0.051 χ^2/NDF:8614.0/60

All: -19.611+/-0.037 χ^2/NDF: 14676.9/115



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: 0.215+/-0.006 χ^2/NDF: 5541.6/35

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

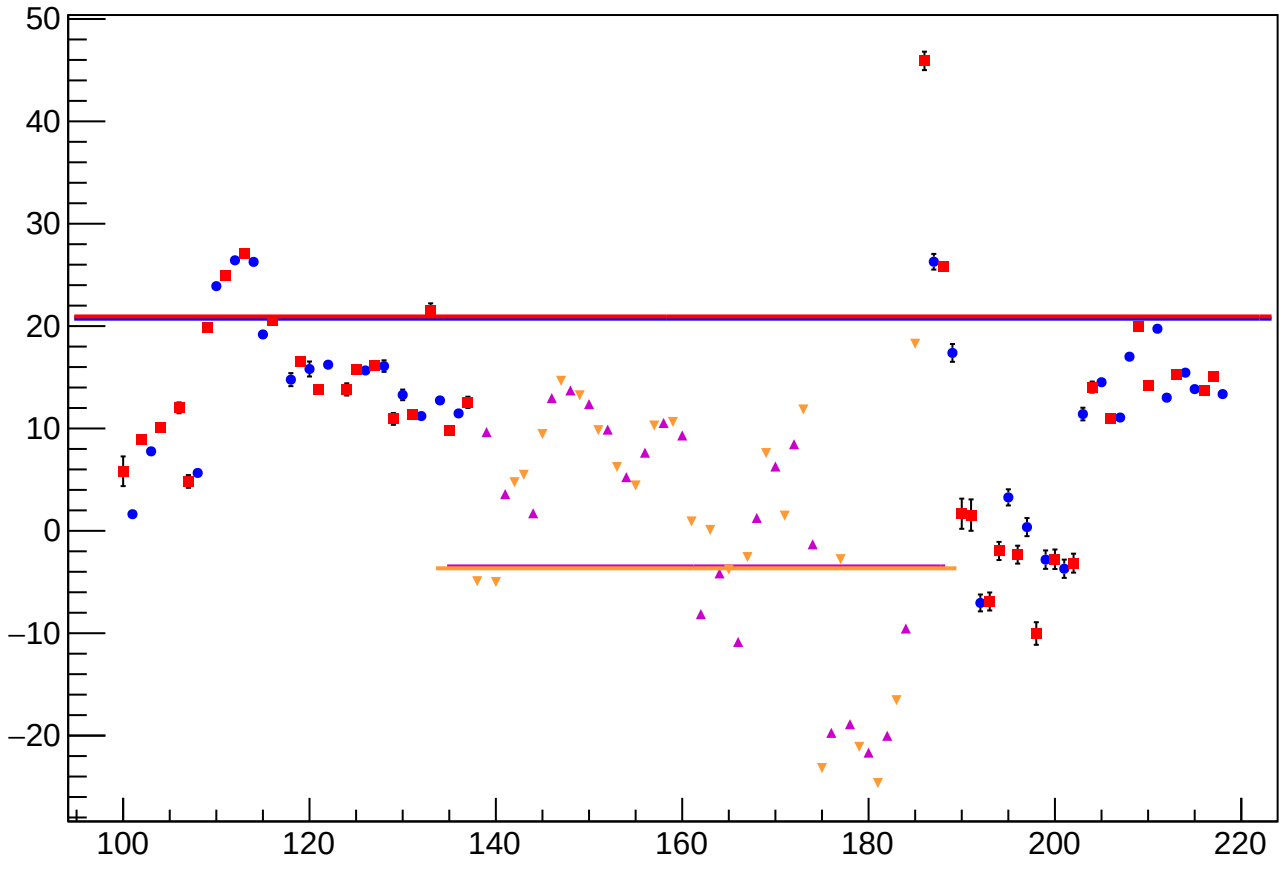
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.224+/-0.005 χ^2/NDF: 9921.5/67

In: 0.373+/-0.002 χ^2/NDF:6220.2/54

Out: 0.369+/-0.002 χ^2/NDF:7155.7/60

All: 0.371+/-0.002 χ^2/NDF: 13377.2/115



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: 20.943+/-0.043 χ^2/NDF: 18843.3/35

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

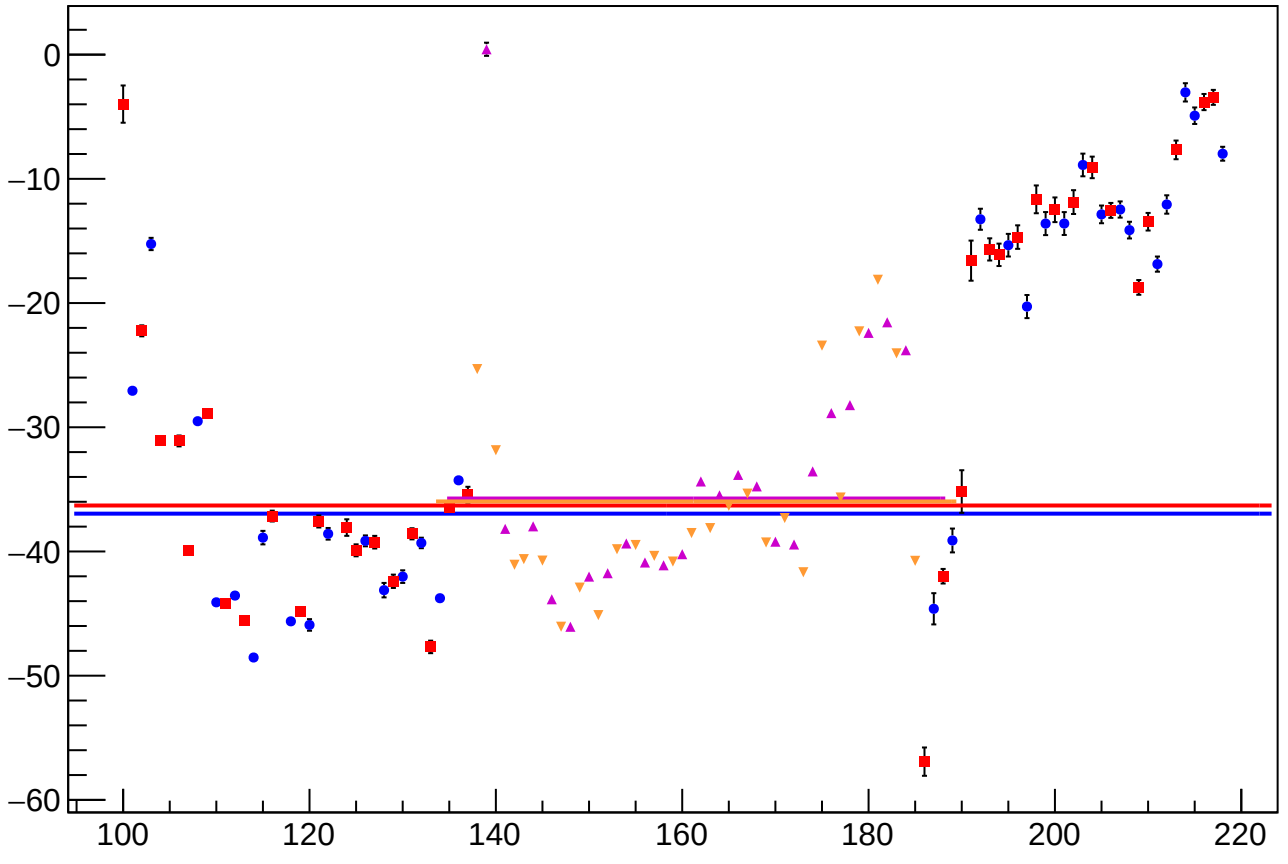
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 20.852+/-0.033 χ^2/NDF: 38172.1/67

In: 10.042+/-0.038 χ^2/NDF:163667.4/54

Out: 11.427+/-0.034 χ^2/NDF:200385.4/60

All: 10.816+/-0.025 χ^2/NDF: 364789.2/115



Right In: -36.955+/-0.071 χ^2/NDF: 27153.0/31

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -36.299+/-0.067 χ^2/NDF: 26770.8/35

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

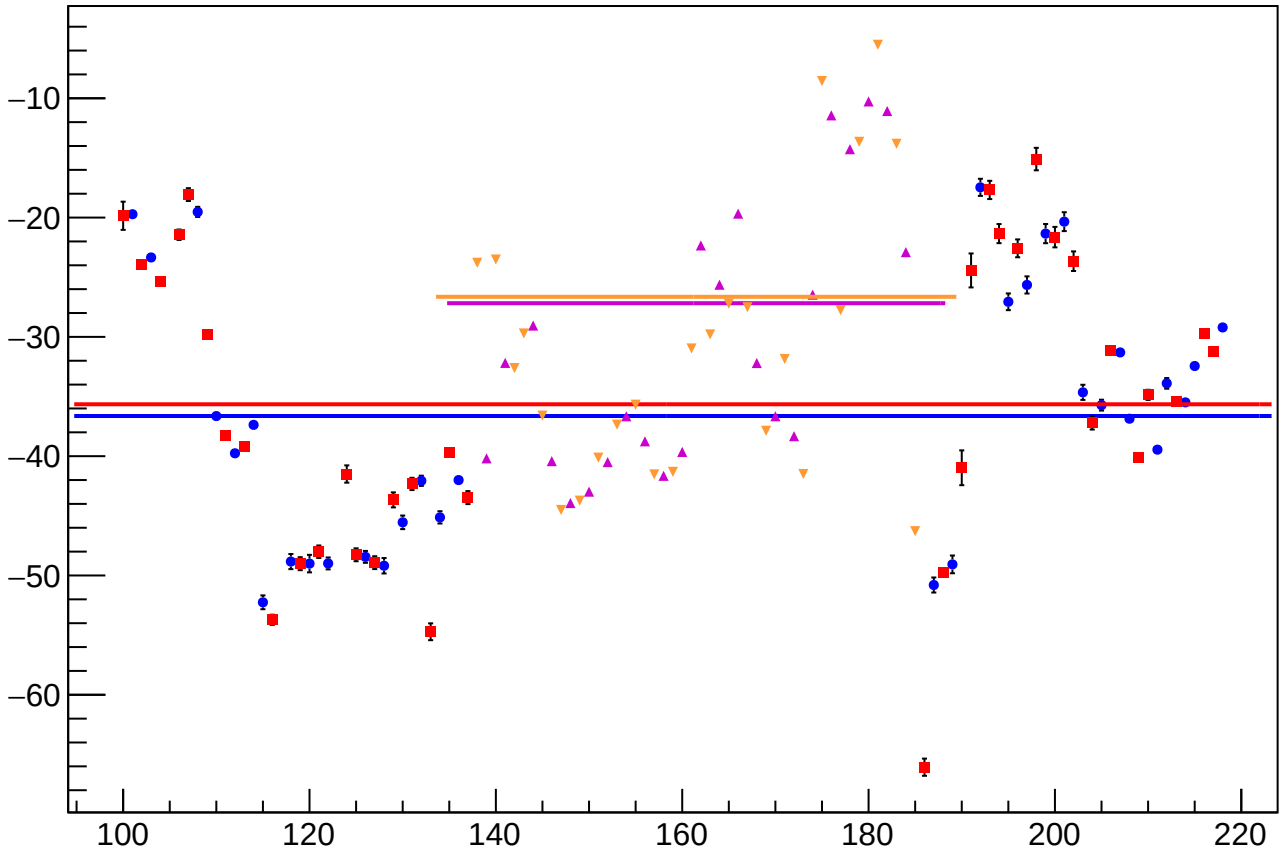
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -36.607+/-0.049 χ^2/NDF: 53969.1/67

In: -36.086+/-0.038 χ^2/NDF:54517.9/54

Out: -36.067+/-0.036 χ^2/NDF:60397.2/60

All: -36.076+/-0.026 χ^2/NDF: 114915.2/115



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: -35.649+/-0.057 χ^2/NDF: 19810.1/35

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

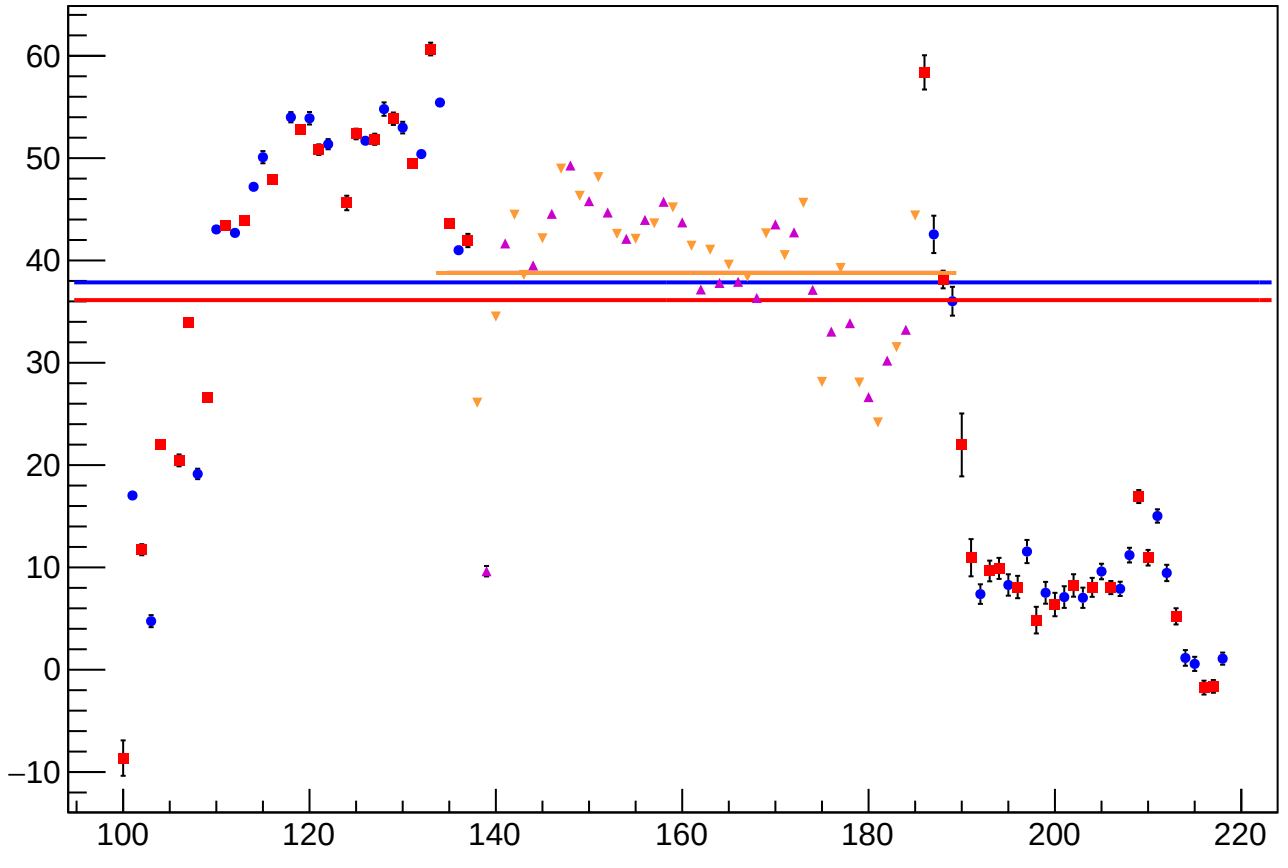
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.093+/-0.042 χ^2/NDF: 34572.8/67

In: -31.463+/-0.042 χ^2/NDF:67999.5/54

Out: -30.953+/-0.039 χ^2/NDF:82907.0/60

All: -31.190+/-0.029 χ^2/NDF: 150984.5/115



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: 36.124+/-0.074 χ^2/NDF: 37337.0/35

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

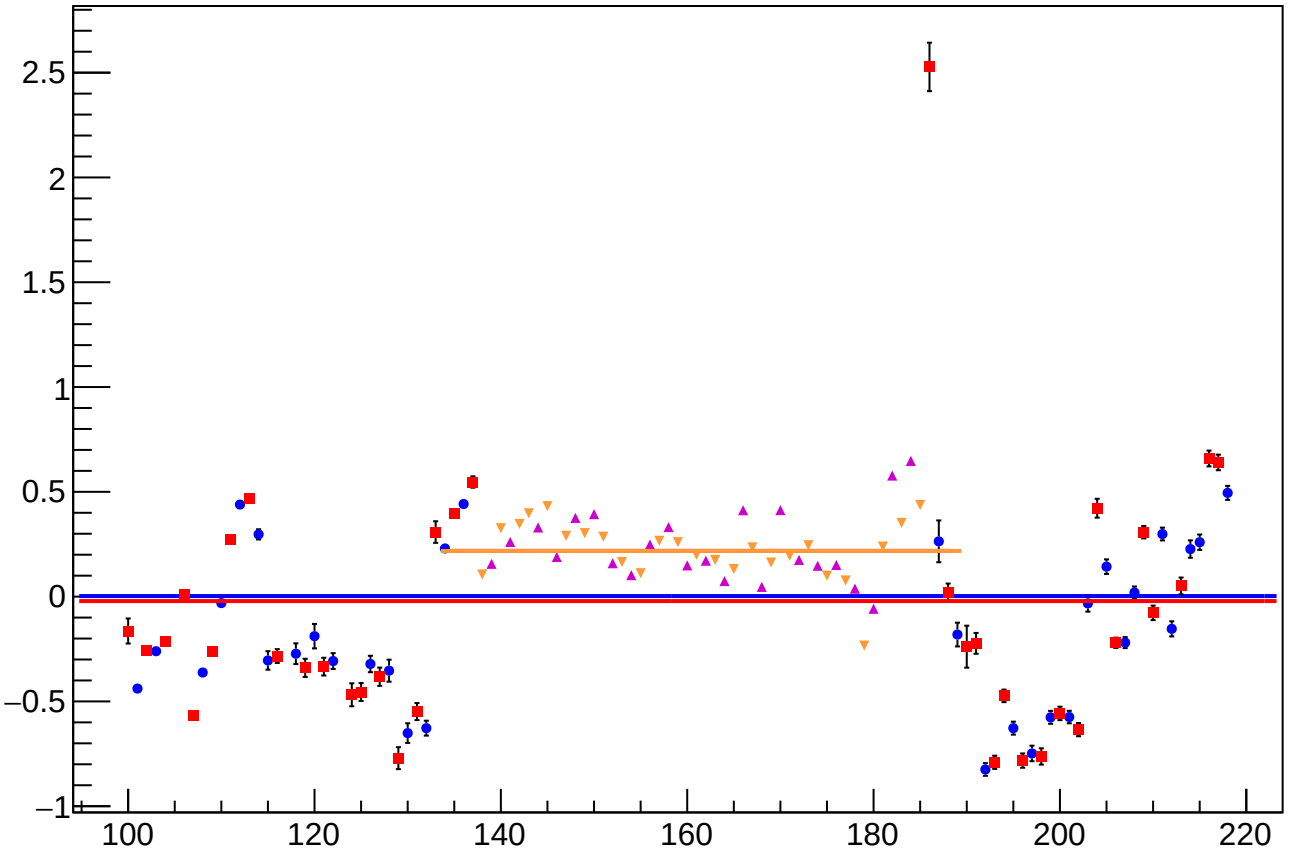
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 36.930+/-0.054 χ^2/NDF: 76778.1/67

In: 38.522+/-0.042 χ^2/NDF:55523.4/54

Out: 37.991+/-0.040 χ^2/NDF:59323.8/60

All: 38.242+/-0.029 χ^2/NDF: 114930.1/115



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: -0.021+/-0.004 χ^2/NDF: 10284.6/35

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

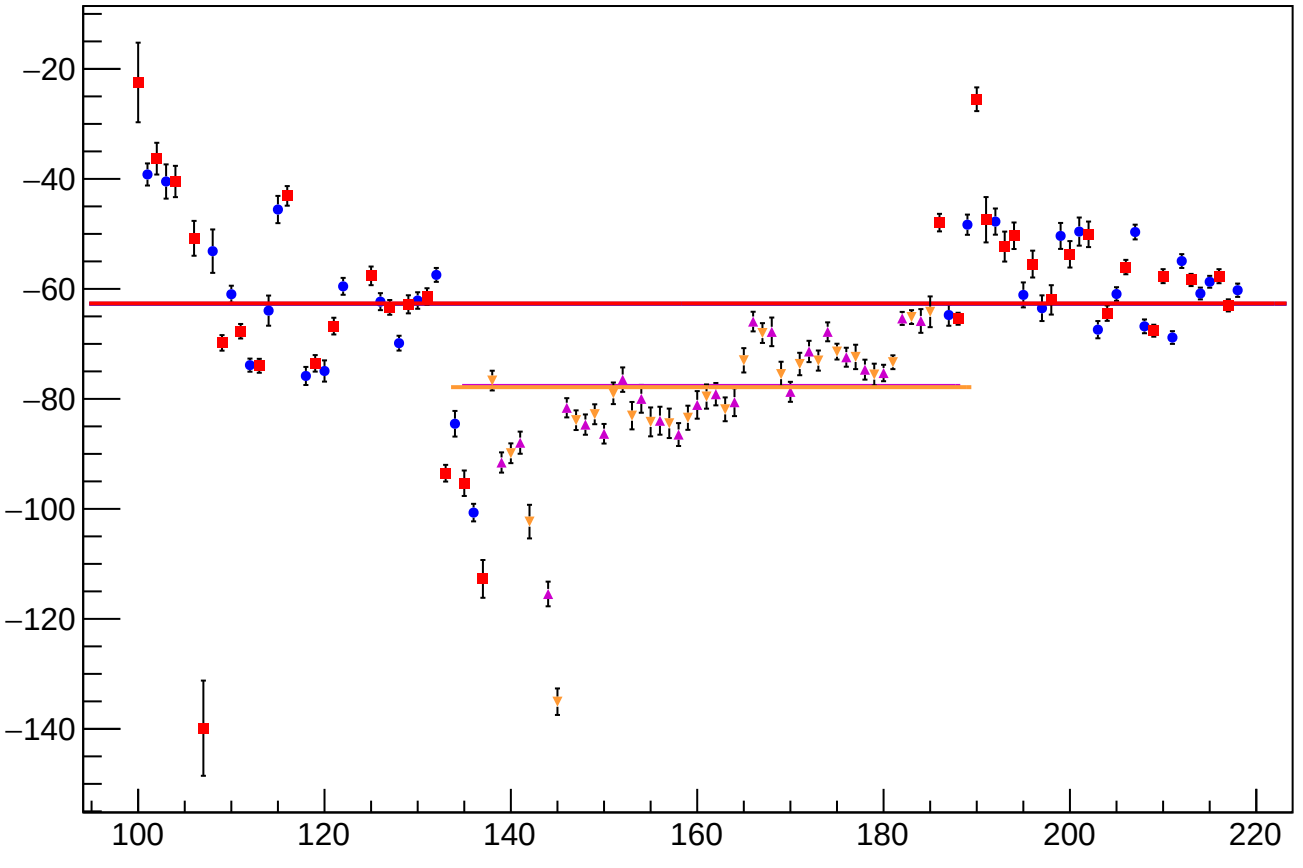
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: -0.010+/-0.003 χ^2/NDF: 18774.8/67

In: 0.171+/-0.002 χ^2/NDF:15829.6/54

Out: 0.163+/-0.002 χ^2/NDF:17216.4/60

All: 0.167+/-0.001 χ^2/NDF: 33055.5/115



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: -62.645+/-0.278 χ^2/NDF: 1990.4/34

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

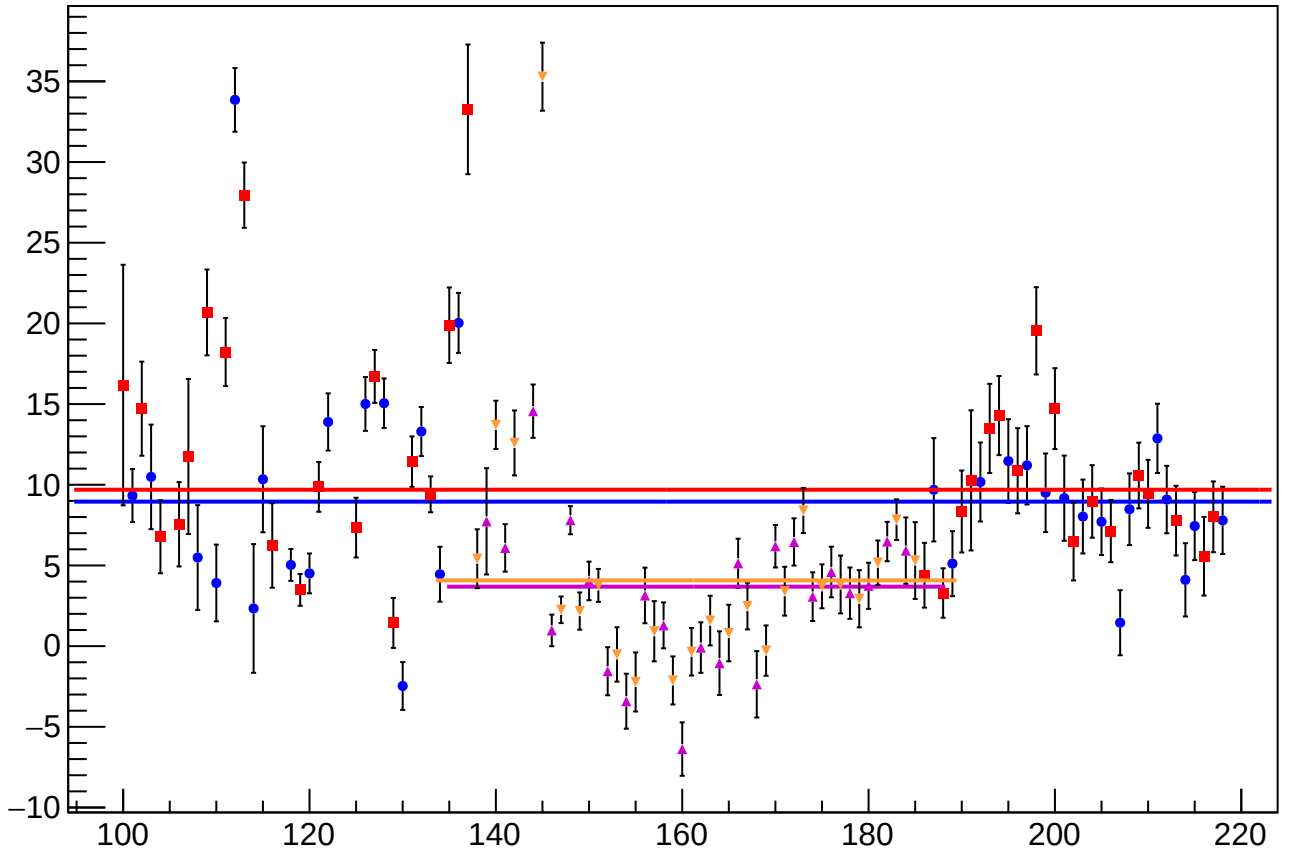
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -62.676+/-0.196 χ^2/NDF: 3487.9/66

In: -67.616+/-0.227 χ^2/NDF:3143.7/54

Out: -67.694+/-0.227 χ^2/NDF:3919.8/58

All: -67.655+/-0.161 χ^2/NDF: 7063.5/113



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: 9.693+/-0.341 χ^2/NDF: 321.2/34

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

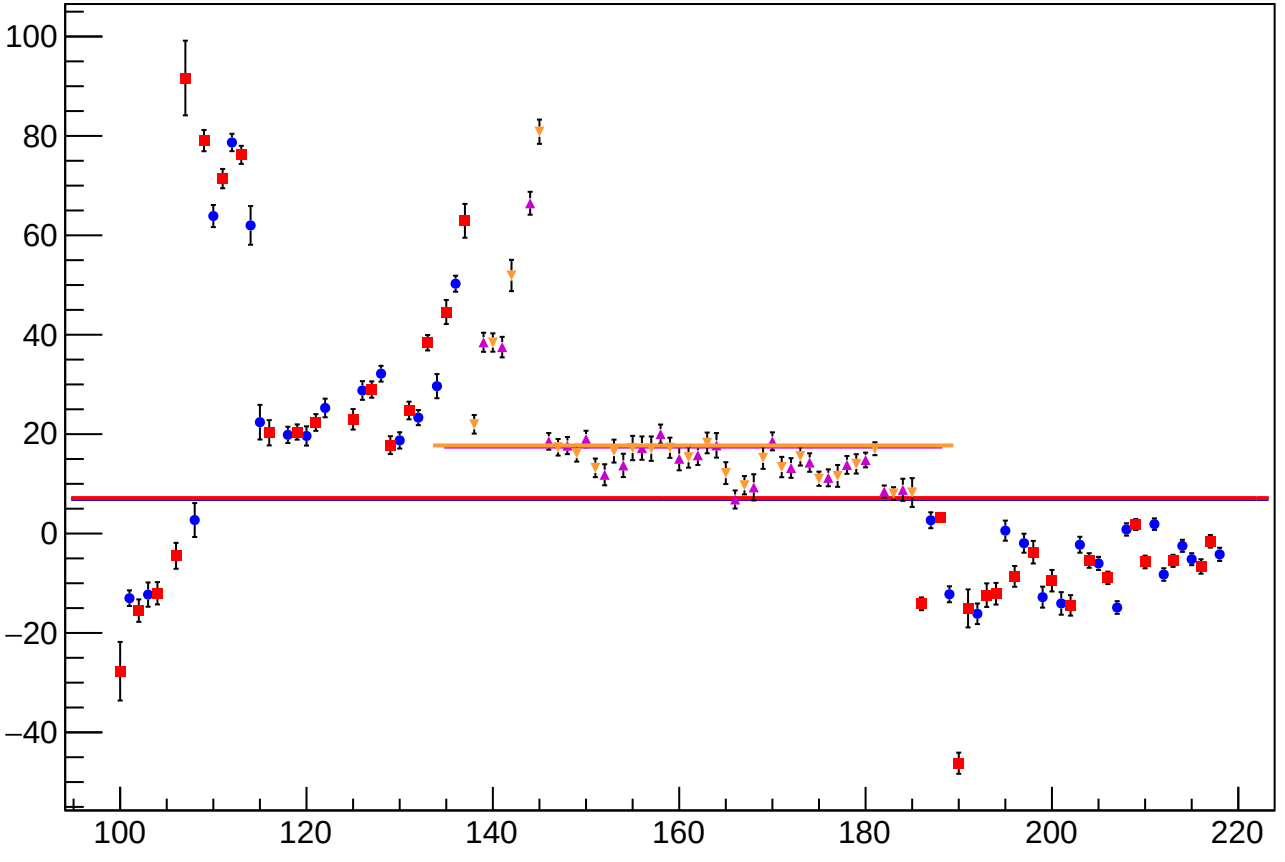
Right: 9.324+/-0.241 χ^2/NDF: 695.9/66

In: 5.994+/-0.226 χ^2/NDF:688.6/54

Out: 6.493+/-0.224 χ^2/NDF:846.2/58

All: 6.246+/-0.159 χ^2/NDF: 1537.2/113

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: 7.134+/-0.289 χ^2/NDF: 7447.4/34

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

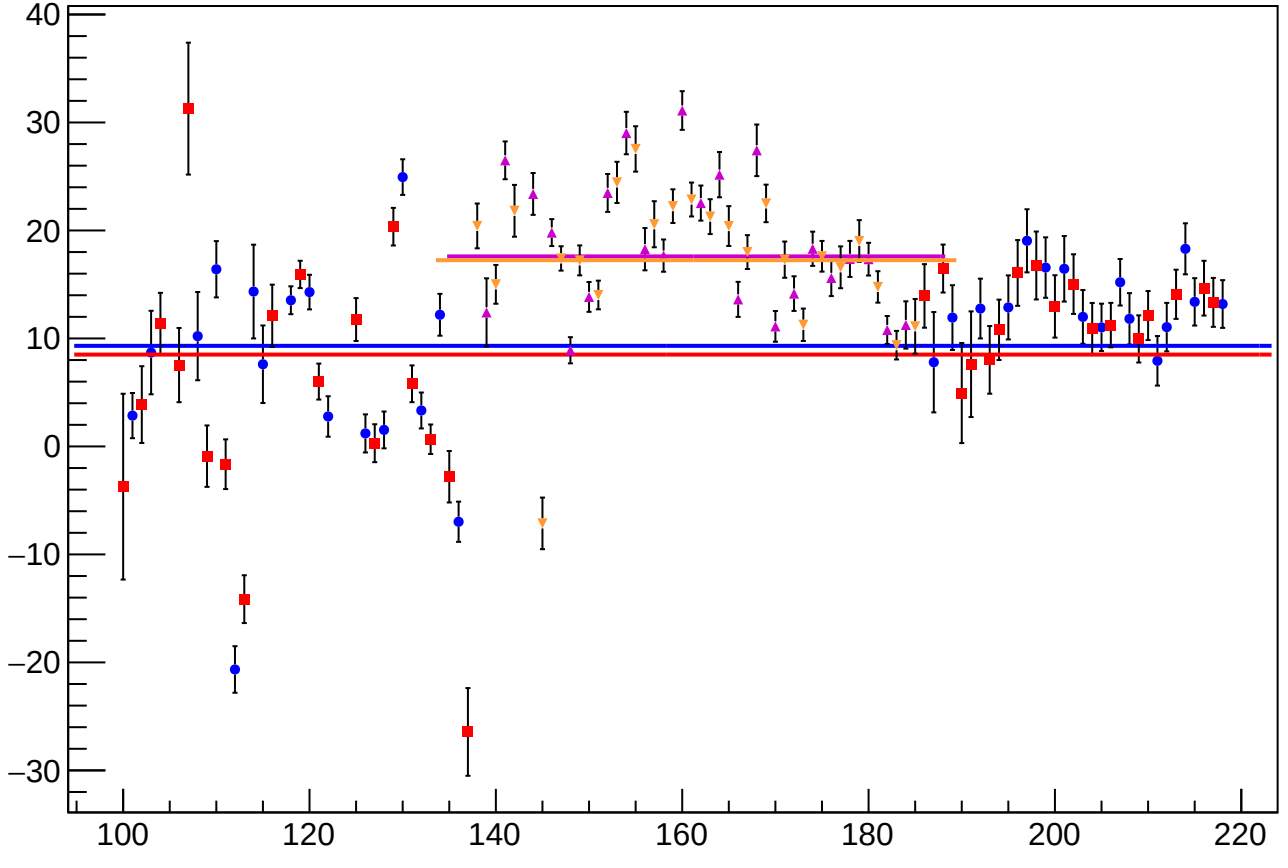
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 7.046+/-0.205 χ^2/NDF: 13120.8/66

In: 10.698+/-0.234 χ^2/NDF:6957.8/54

Out: 10.874+/-0.232 χ^2/NDF:8979.9/58

All: 10.786+/-0.165 χ^2/NDF: 15938.0/113



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: 8.505+/-0.395 χ^2/NDF: 455.5/34

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

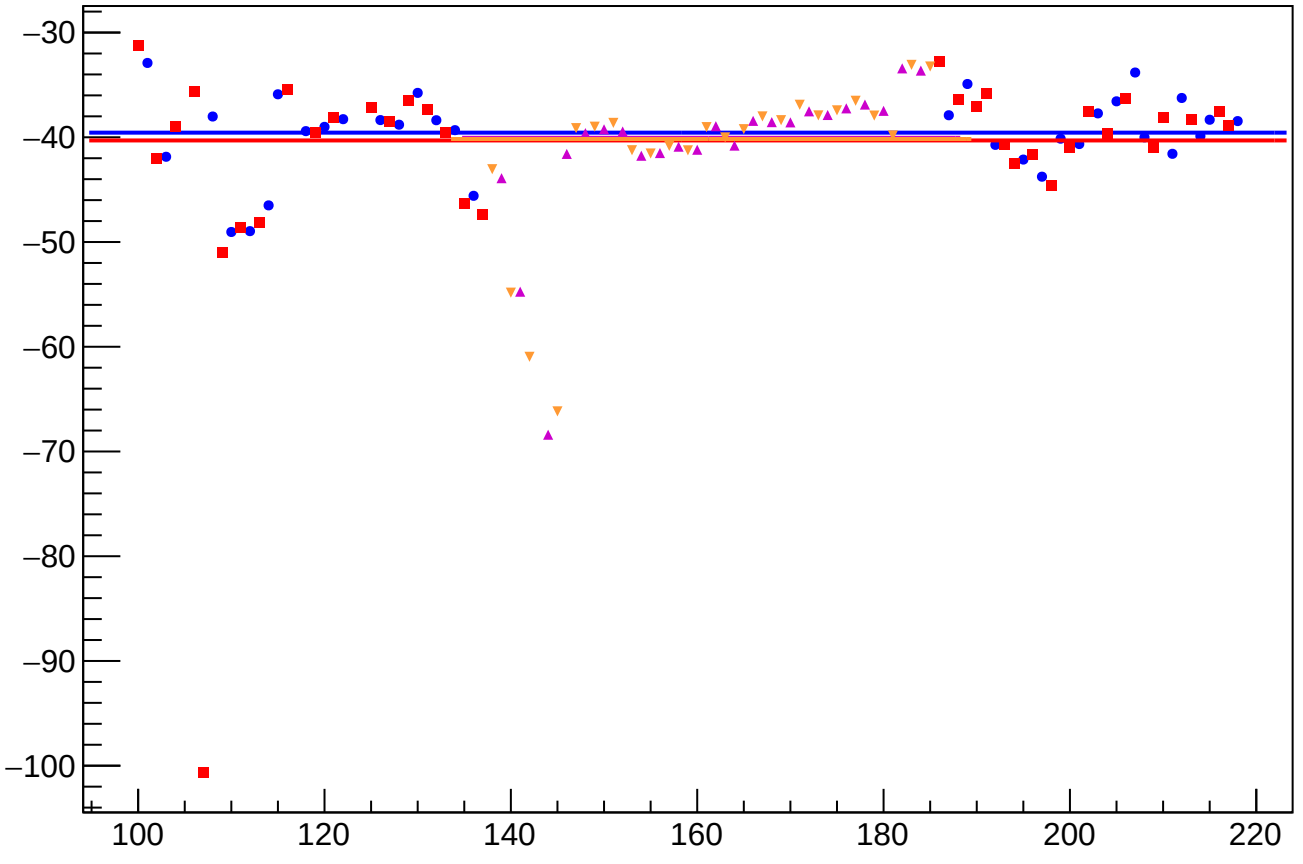
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 8.914+/-0.277 χ^2/NDF: 984.7/66

In: 13.996+/-0.257 χ^2/NDF:1091.4/54

Out: 13.544+/-0.257 χ^2/NDF:999.3/58

All: 13.769+/-0.182 χ^2/NDF: 2092.3/113



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: -40.302+/-0.020 χ^2/NDF: 73969.9/34

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

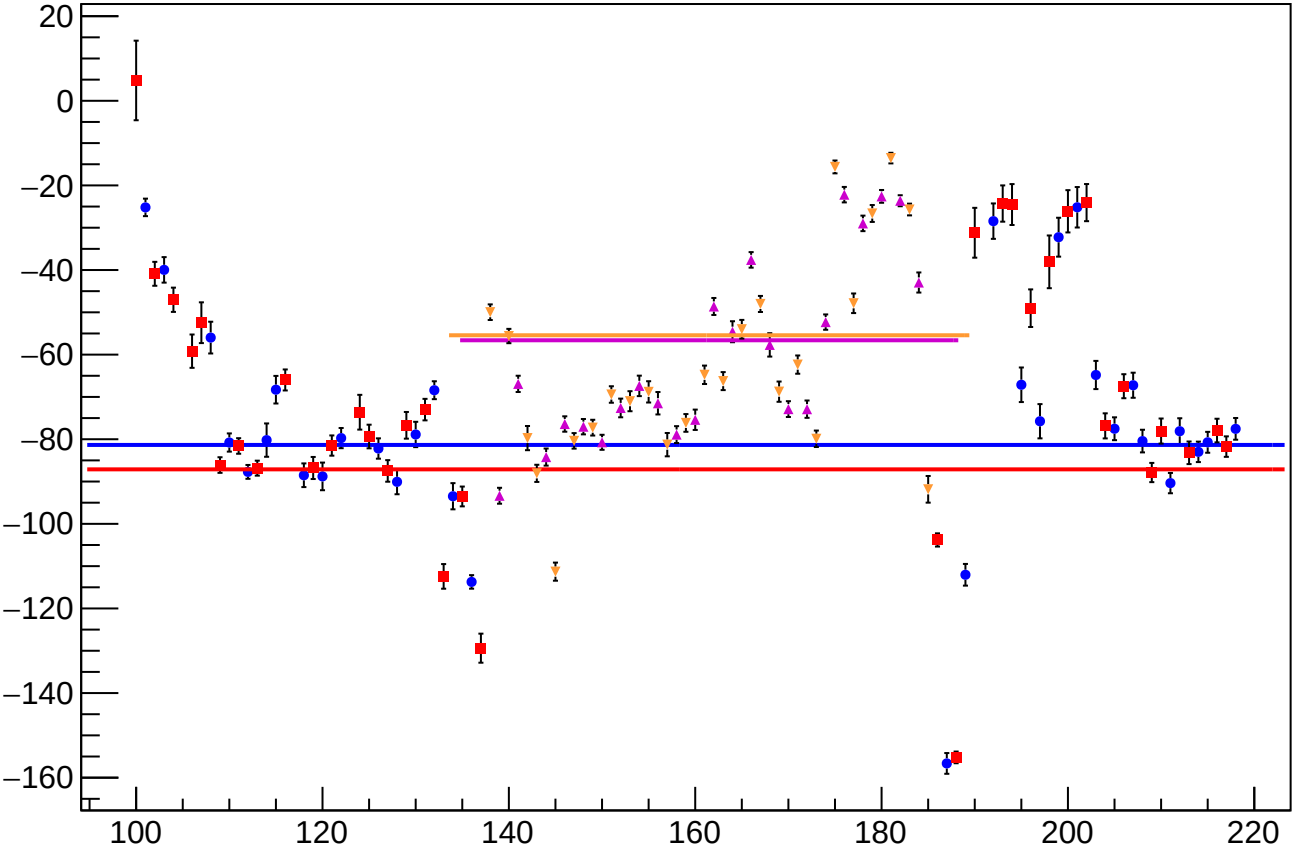
Right: -39.929+/-0.014 χ^2/NDF: 108622.2/66

In: -39.862+/-0.012 χ^2/NDF:170760.5/54

Out: -40.217+/-0.012 χ^2/NDF:237336.0/58

All: -40.039+/-0.009 χ^2/NDF: 408526.4/113

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -81.347+/-0.471 χ^2/NDF: 3064.6/31

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -87.119+/-0.449 χ^2/NDF: 4632.3/34

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

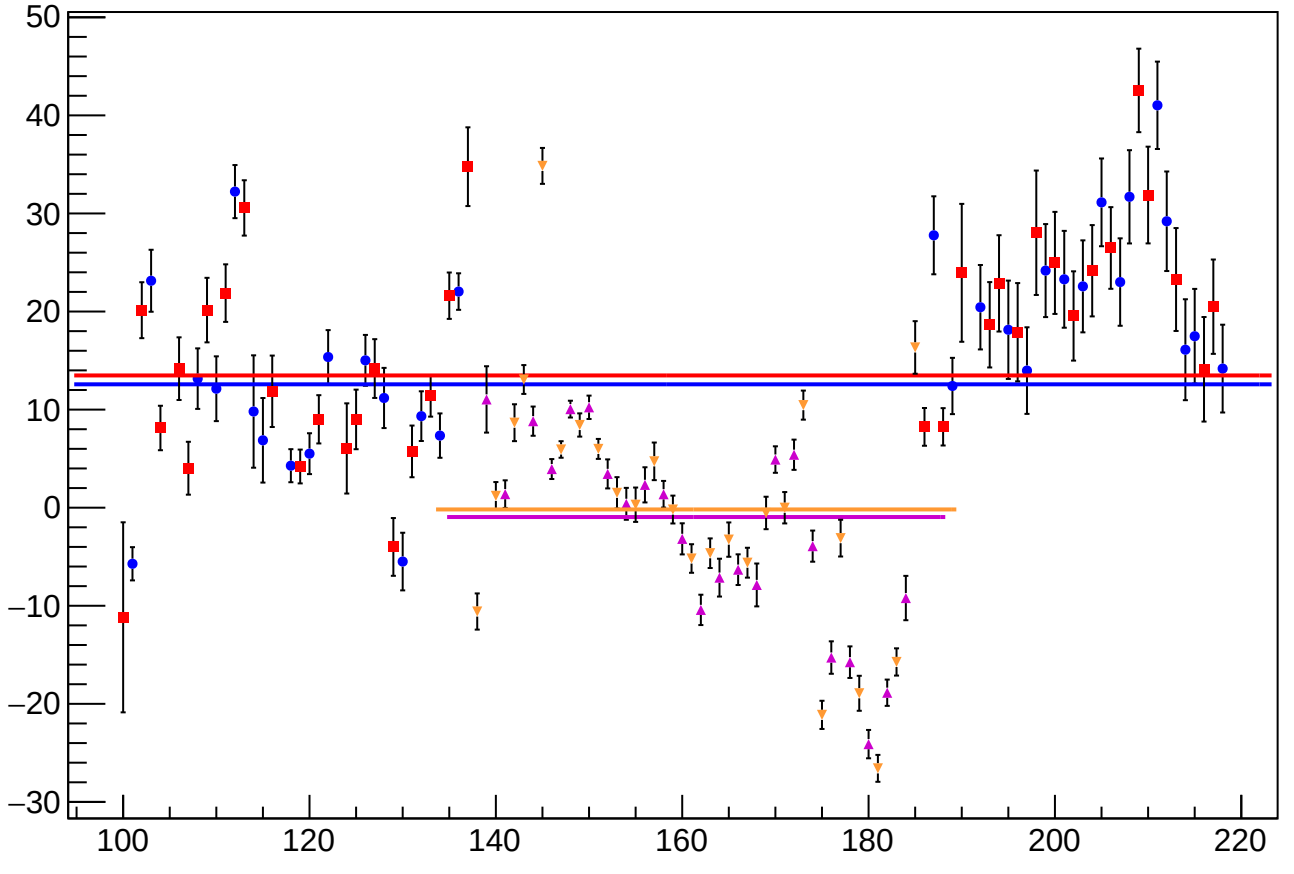
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -84.368+/-0.325 χ^2/NDF: 7775.6/66

In: -67.094+/-0.306 χ^2/NDF:8006.0/54

Out: -69.174+/-0.296 χ^2/NDF:11975.1/59

All: -68.170+/-0.213 χ^2/NDF: 20004.9/114



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: 13.483+/-0.528 χ^2/NDF: 317.0/34

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

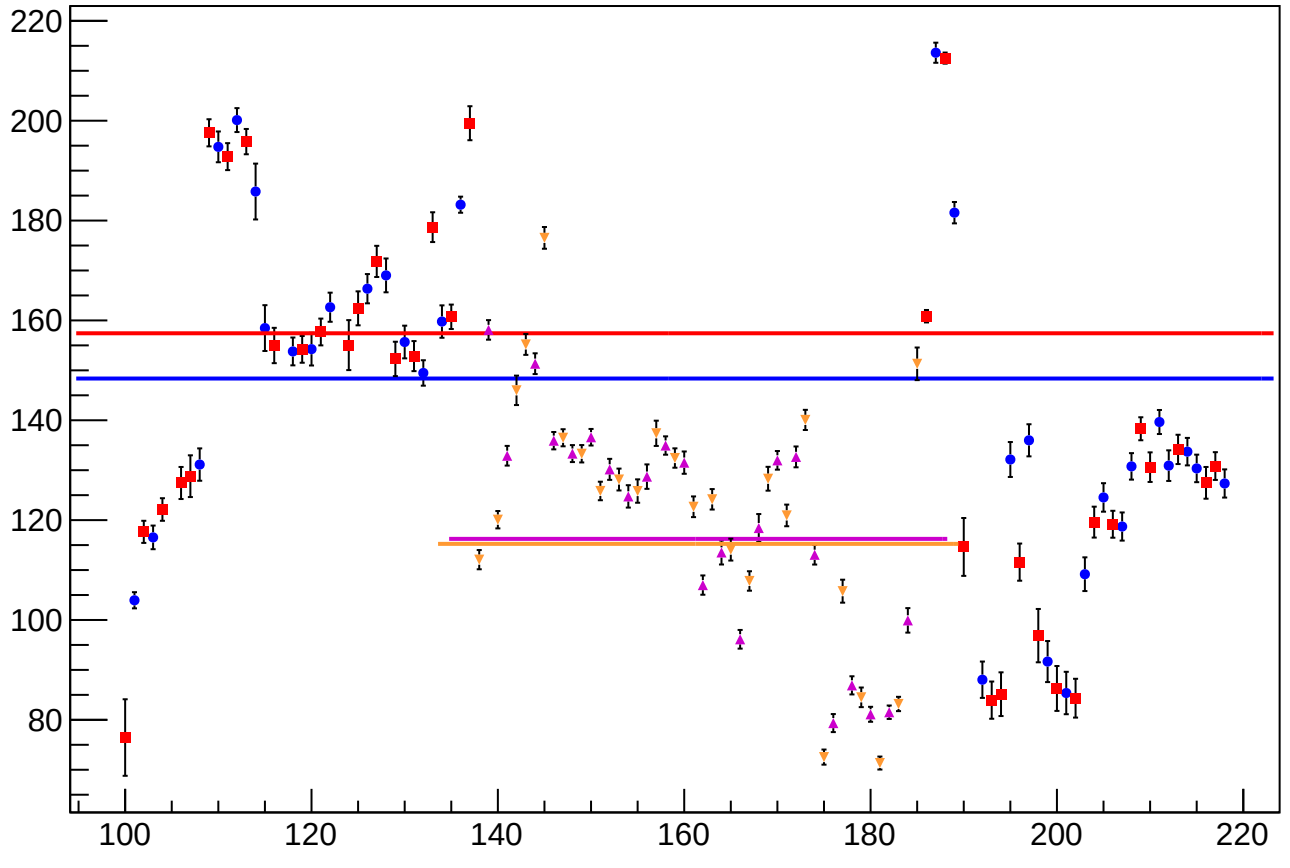
Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

Right: 13.042+/-0.378 χ^2/NDF: 735.9/66

In: 2.296+/-0.265 χ^2/NDF:1962.3/54

Out: 3.059+/-0.257 χ^2/NDF:2427.0/59

All: 2.689+/-0.184 χ^2/NDF: 4393.6/114



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: 157.424+/-0.453 χ^2/NDF: 6483.7/34

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

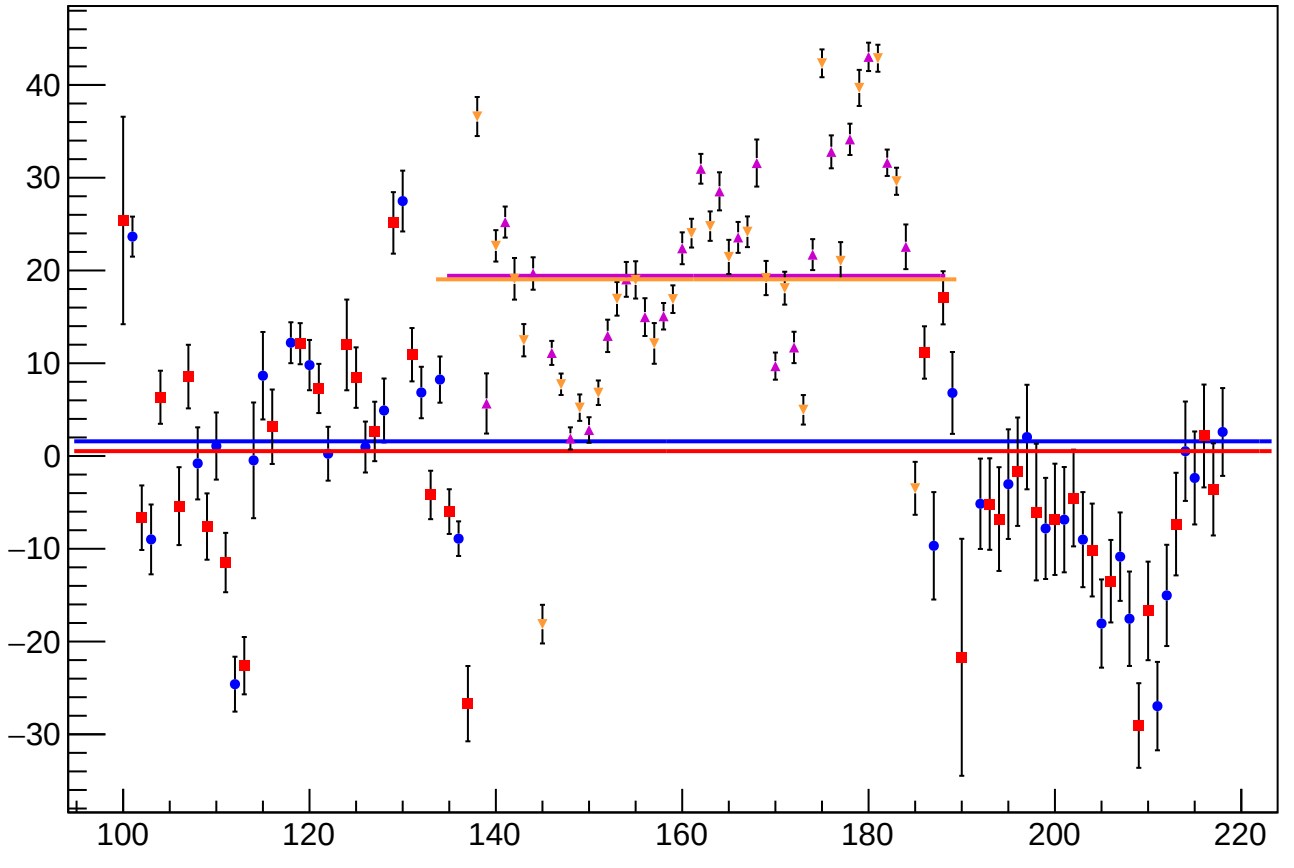
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 153.192+/-0.331 χ^2/NDF: 11505.4/66

In: 129.236+/-0.308 χ^2/NDF:11090.6/54

Out: 133.202+/-0.296 χ^2/NDF:16291.8/59

All: 131.299+/-0.213 χ^2/NDF: 27468.7/114



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: 0.526+/-0.622 χ^2/NDF: 392.6/34

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

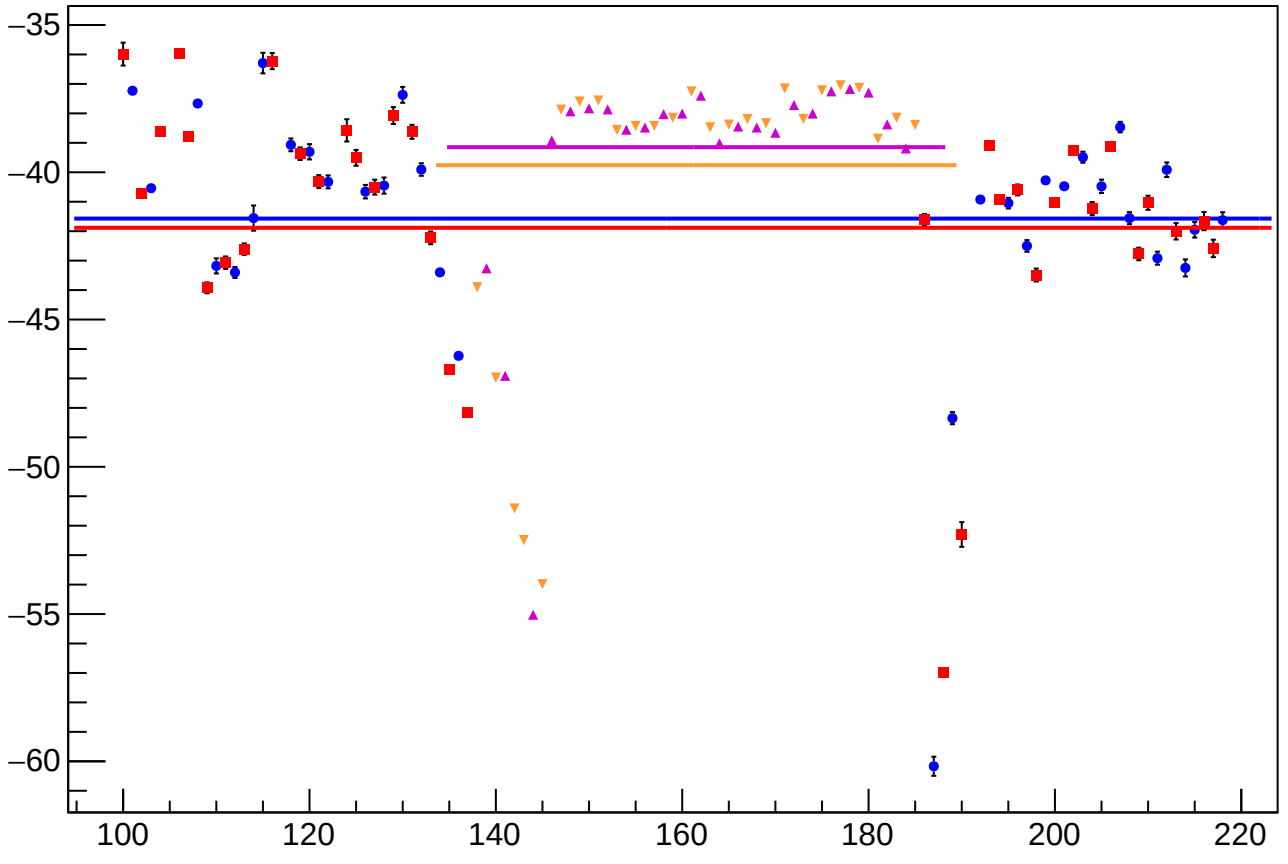
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 1.054+/-0.440 χ^2/NDF: 827.0/66

In: 15.231+/-0.302 χ^2/NDF:2136.2/54

Out: 14.858+/-0.296 χ^2/NDF:2625.0/59

All: 15.040+/-0.211 χ^2/NDF: 4762.0/114



Right In: -41.572+/-0.030 χ^2/NDF: 13007.5/31

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.885+/-0.031 χ^2/NDF: 19768.6/34

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

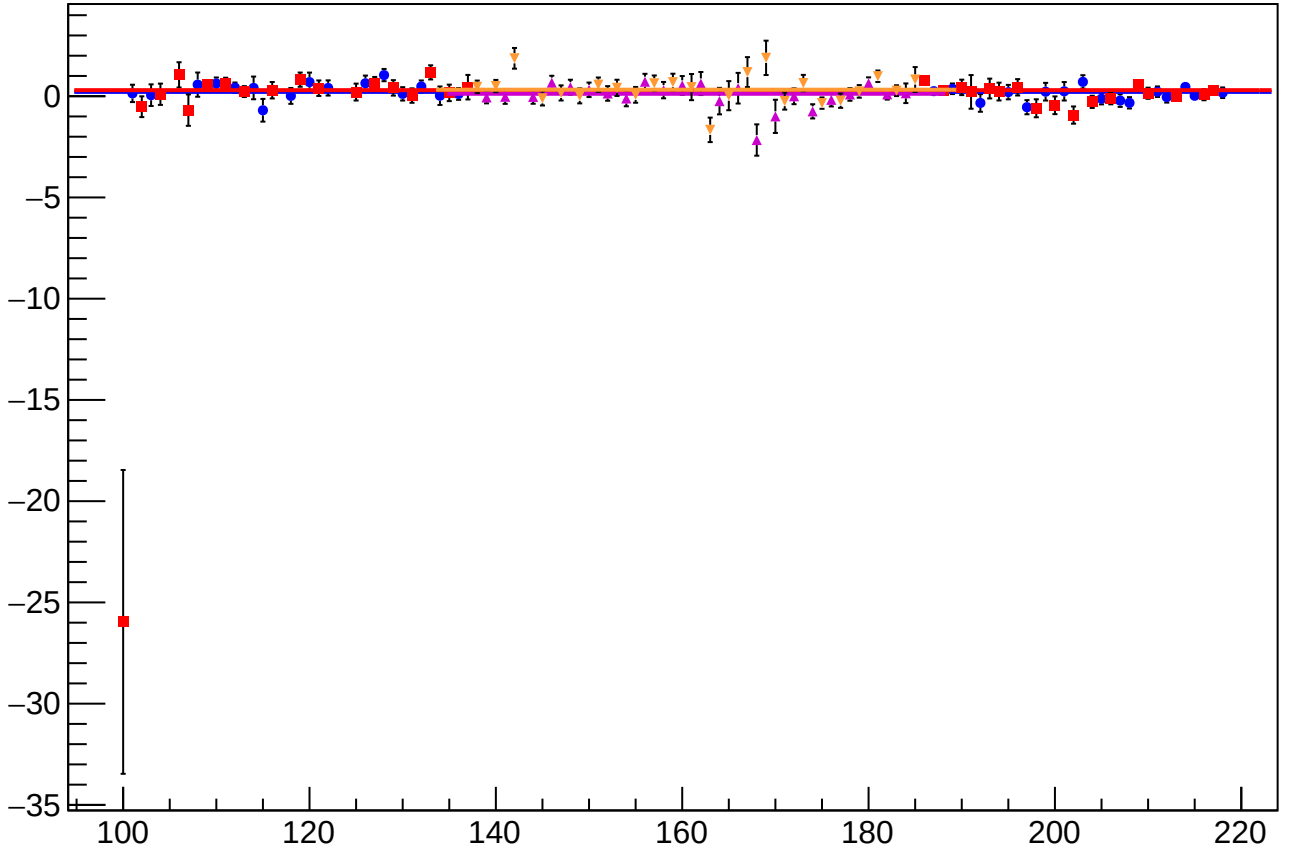
Right: -41.727+/-0.022 χ^2/NDF: 32828.1/66

In: -39.652+/-0.014 χ^2/NDF:64933.8/54

Out: -40.184+/-0.014 χ^2/NDF:105437.1/59

All: -39.920+/-0.010 χ^2/NDF: 171110.8/114

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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: 0.299+/-0.053 χ^2/NDF: 64.3/34

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

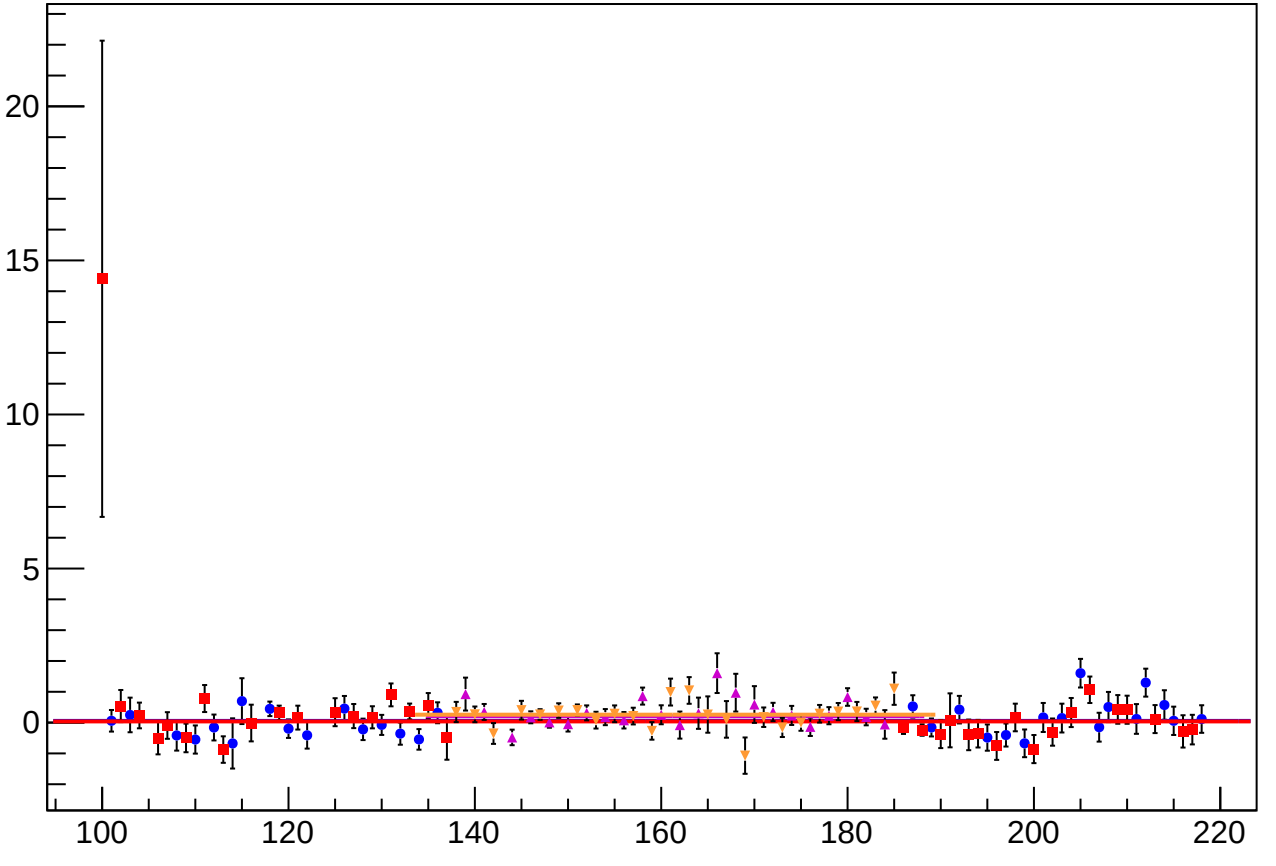
Right: 0.259+/-0.039 χ^2/NDF: 101.6/66

In: 0.182+/-0.046 χ^2/NDF:67.0/54

Out: 0.306+/-0.044 χ^2/NDF:111.2/58

All: 0.247+/-0.032 χ^2/NDF: 182.0/113

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.055+/-0.071 χ^2/NDF: 45.6/31

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.039+/-0.066 χ^2/NDF: 47.2/34

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

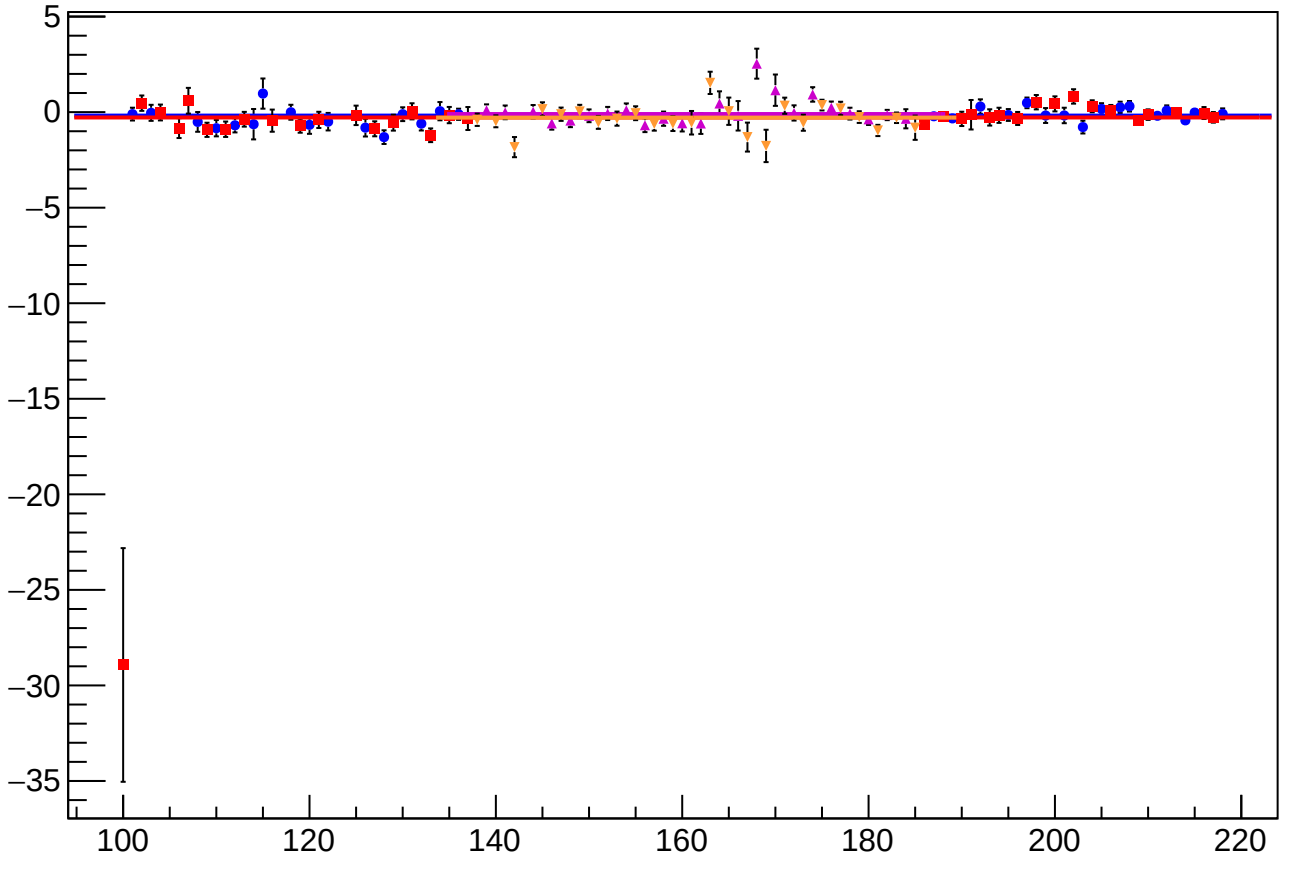
Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

Right: 0.046+/-0.048 χ^2/NDF: 92.8/66

In: 0.143+/-0.046 χ^2/NDF:80.2/54

Out: 0.159+/-0.044 χ^2/NDF:79.7/58

All: 0.151+/-0.032 χ^2/NDF: 160.0/113



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: -0.280+/-0.051 χ^2/NDF: 77.4/34

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

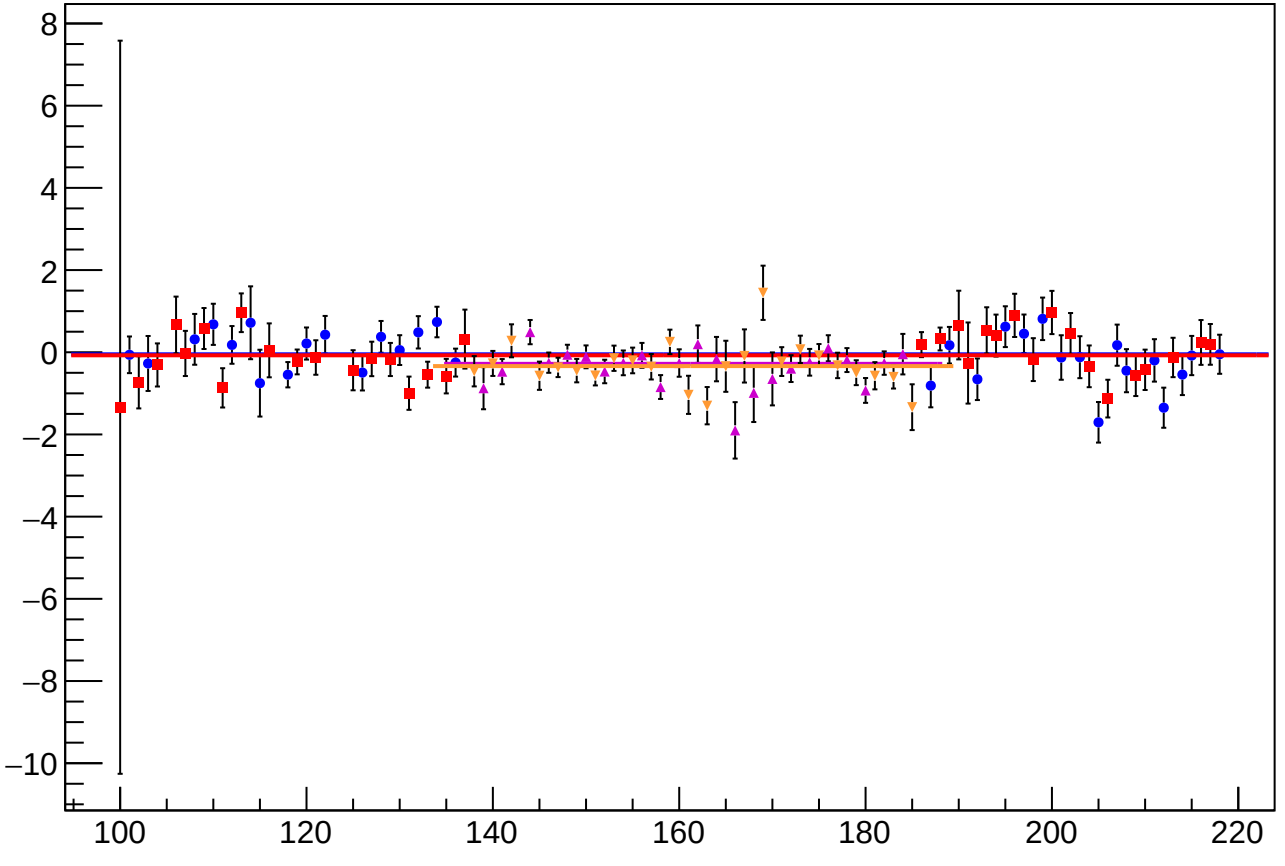
Right: -0.236+/-0.038 χ^2/NDF: 121.5/66

In: -0.153+/-0.046 χ^2/NDF:76.4/54

Out: -0.282+/-0.043 χ^2/NDF:122.5/58

All: -0.223+/-0.031 χ^2/NDF: 203.0/113

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -0.074+/-0.079 χ^2/NDF: 43.7/34

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

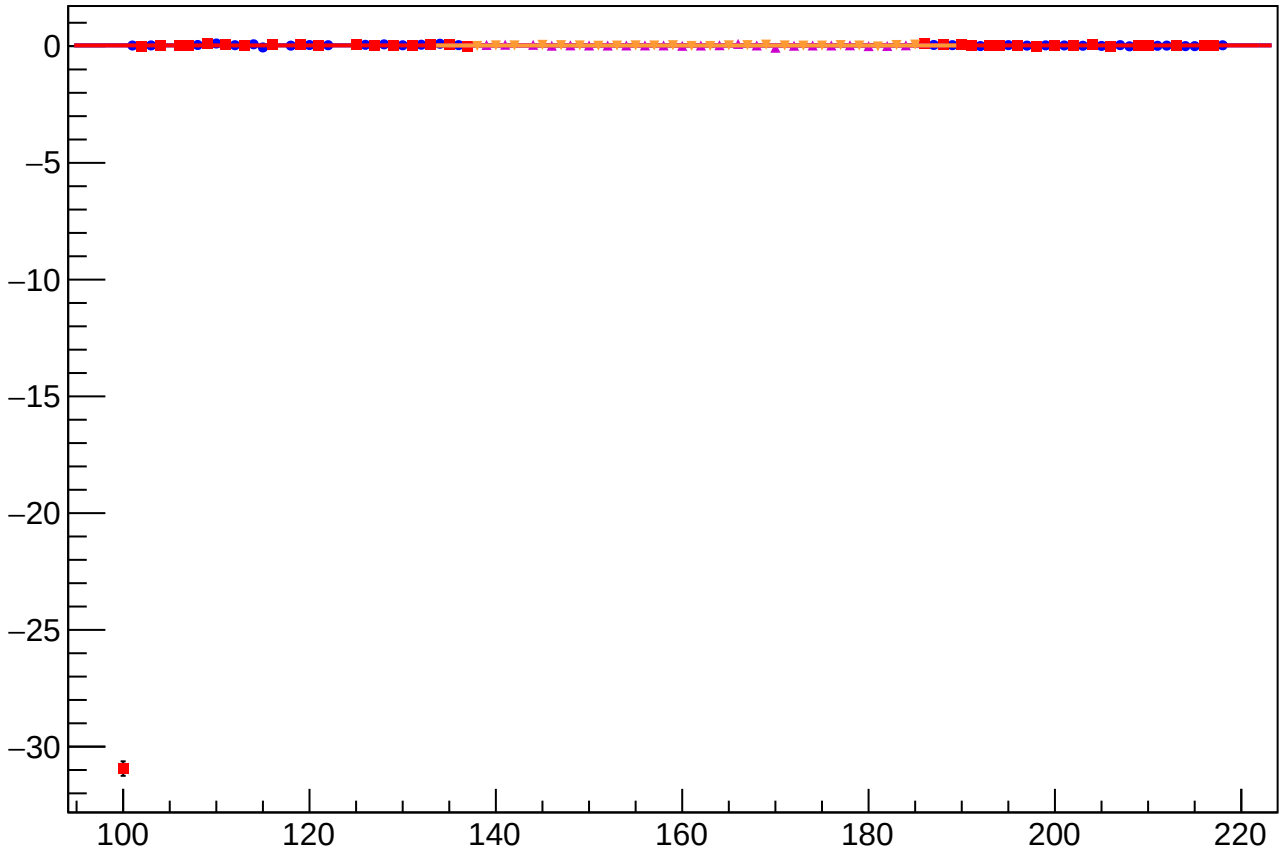
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.062+/-0.057 χ^2/NDF: 91.0/66

In: -0.185+/-0.053 χ^2/NDF:80.9/54

Out: -0.225+/-0.052 χ^2/NDF:80.2/58

All: -0.206+/-0.037 χ^2/NDF: 161.4/113



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: 10056.0/34

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

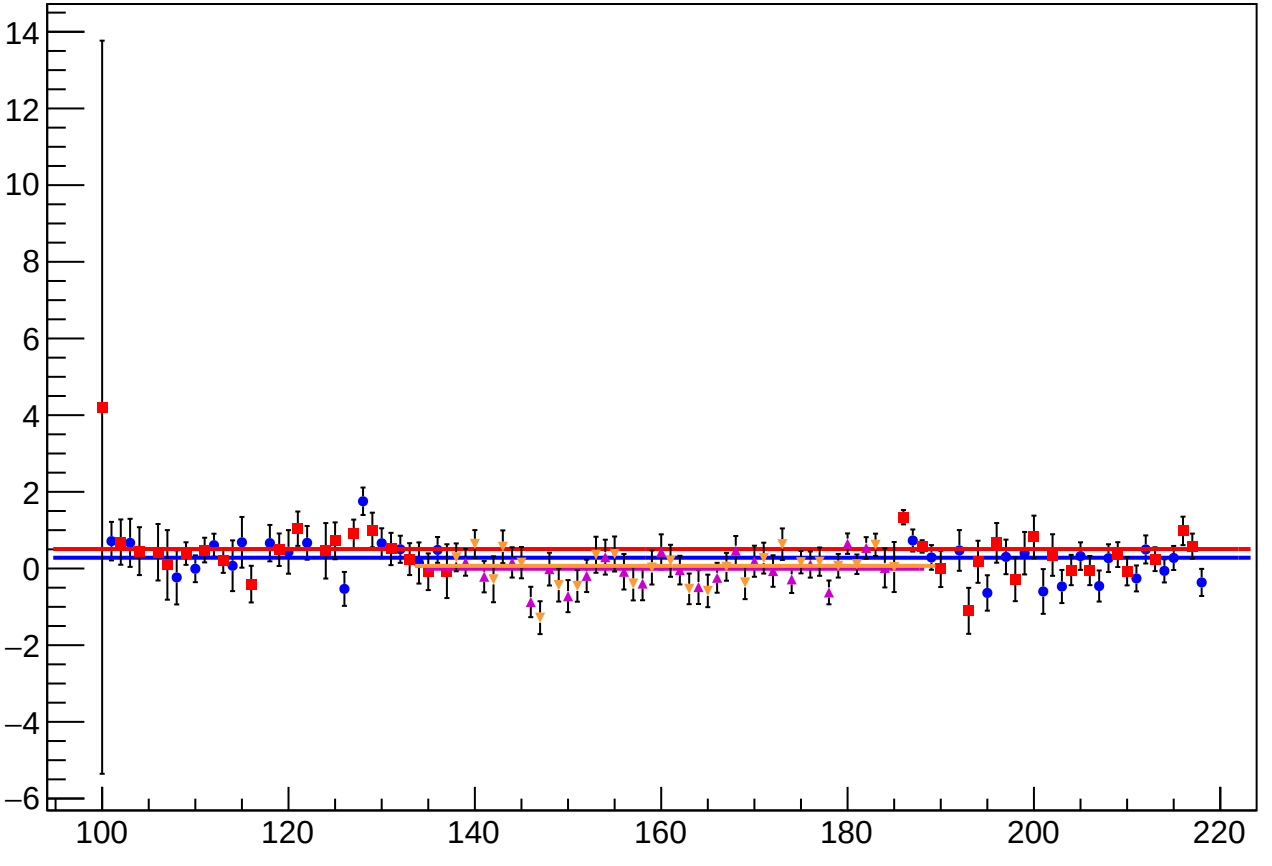
Right: 0.031+/-0.003 χ^2/NDF: 10096.8/66

In: 0.031+/-0.002 χ^2/NDF:79.9/54

Out: 0.029+/-0.002 χ^2/NDF:10083.8/58

All: 0.030+/-0.002 χ^2/NDF: 10164.0/113

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: 0.508+/-0.065 χ^2/NDF: 52.0/34

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

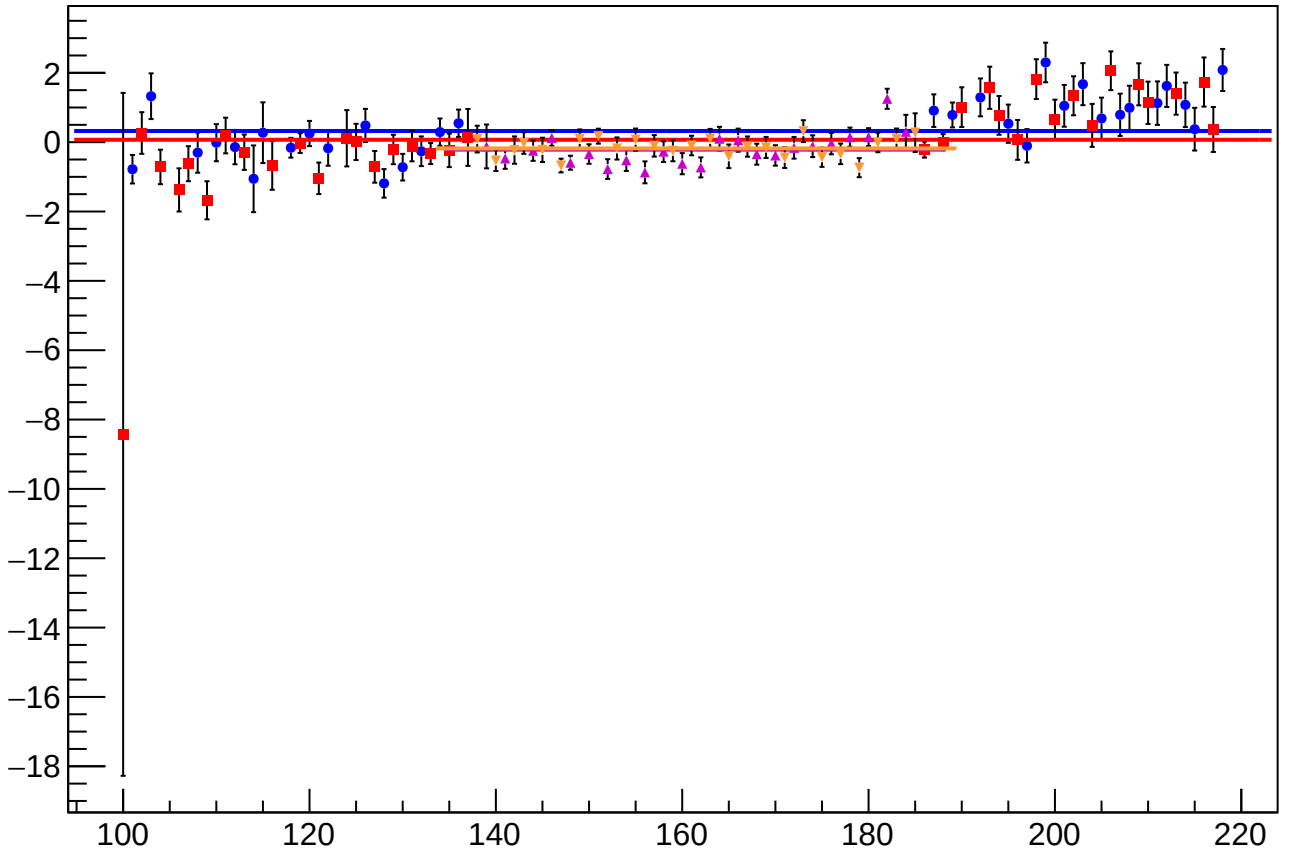
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.405+/-0.048 χ^2/NDF: 107.8/66

In: 0.153+/-0.053 χ^2/NDF:86.0/54

Out: 0.327+/-0.050 χ^2/NDF:102.1/59

All: 0.246+/-0.036 χ^2/NDF: 193.9/114



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: 0.069+/-0.080 χ^2/NDF: 95.1/34

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

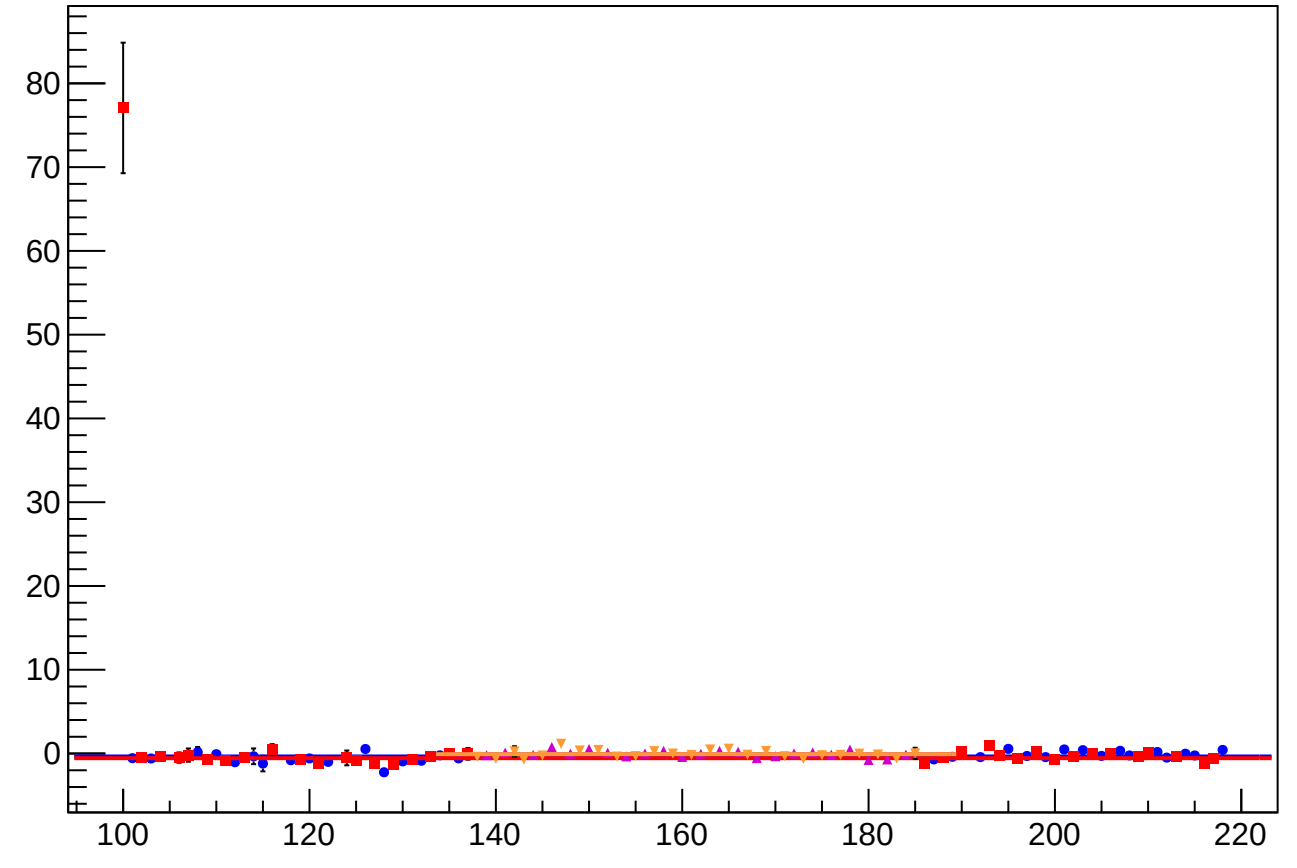
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: 0.185+/-0.059 χ^2/NDF: 184.5/66

In: -0.035+/-0.050 χ^2/NDF:163.9/54

Out: -0.091+/-0.047 χ^2/NDF:126.1/59

All: -0.065+/-0.034 χ^2/NDF: 290.7/114



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: -0.556+/-0.063 χ^2/NDF: 151.5/34

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

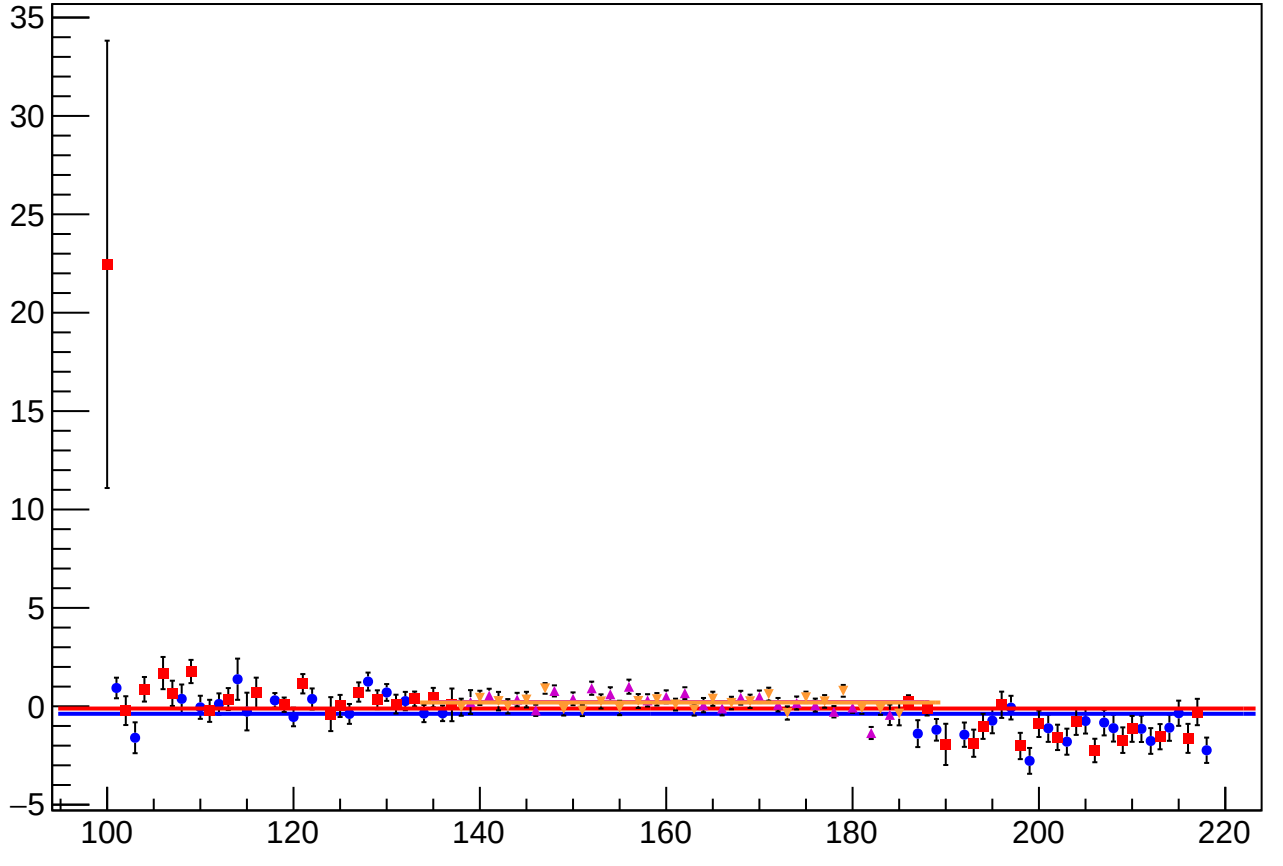
Right: -0.469+/-0.047 χ^2/NDF: 213.6/66

In: -0.226+/-0.053 χ^2/NDF:92.7/54

Out: -0.364+/-0.049 χ^2/NDF:204.8/59

All: -0.301+/-0.036 χ^2/NDF: 301.1/114

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: -0.114+/-0.096 χ^2/NDF: 97.7/34

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

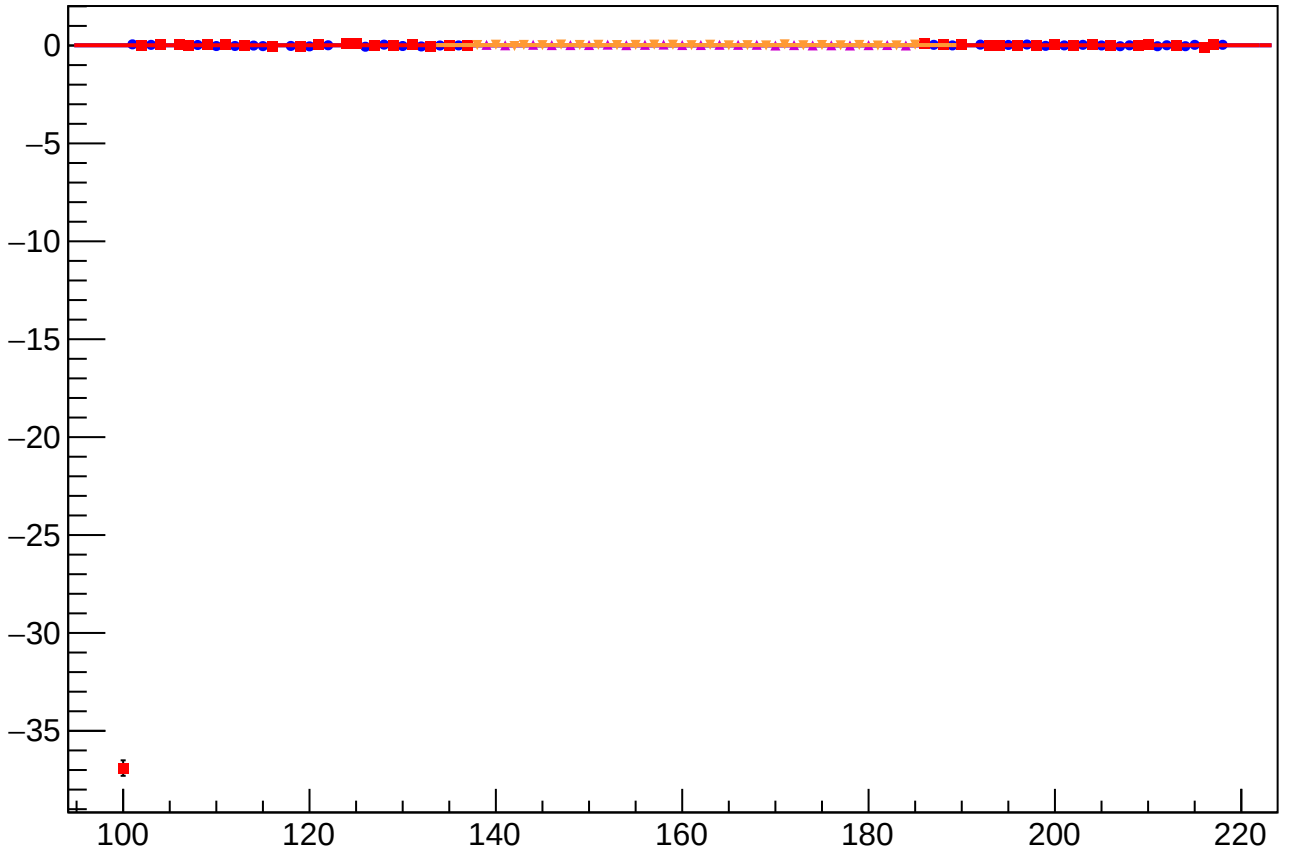
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: -0.242+/-0.069 χ^2/NDF: 185.8/66

In: 0.022+/-0.057 χ^2/NDF:163.5/54

Out: 0.092+/-0.055 χ^2/NDF:130.5/59

All: 0.059+/-0.039 χ^2/NDF: 294.8/114



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: 0.013+/-0.005 χ^2/NDF: 8793.8/34

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

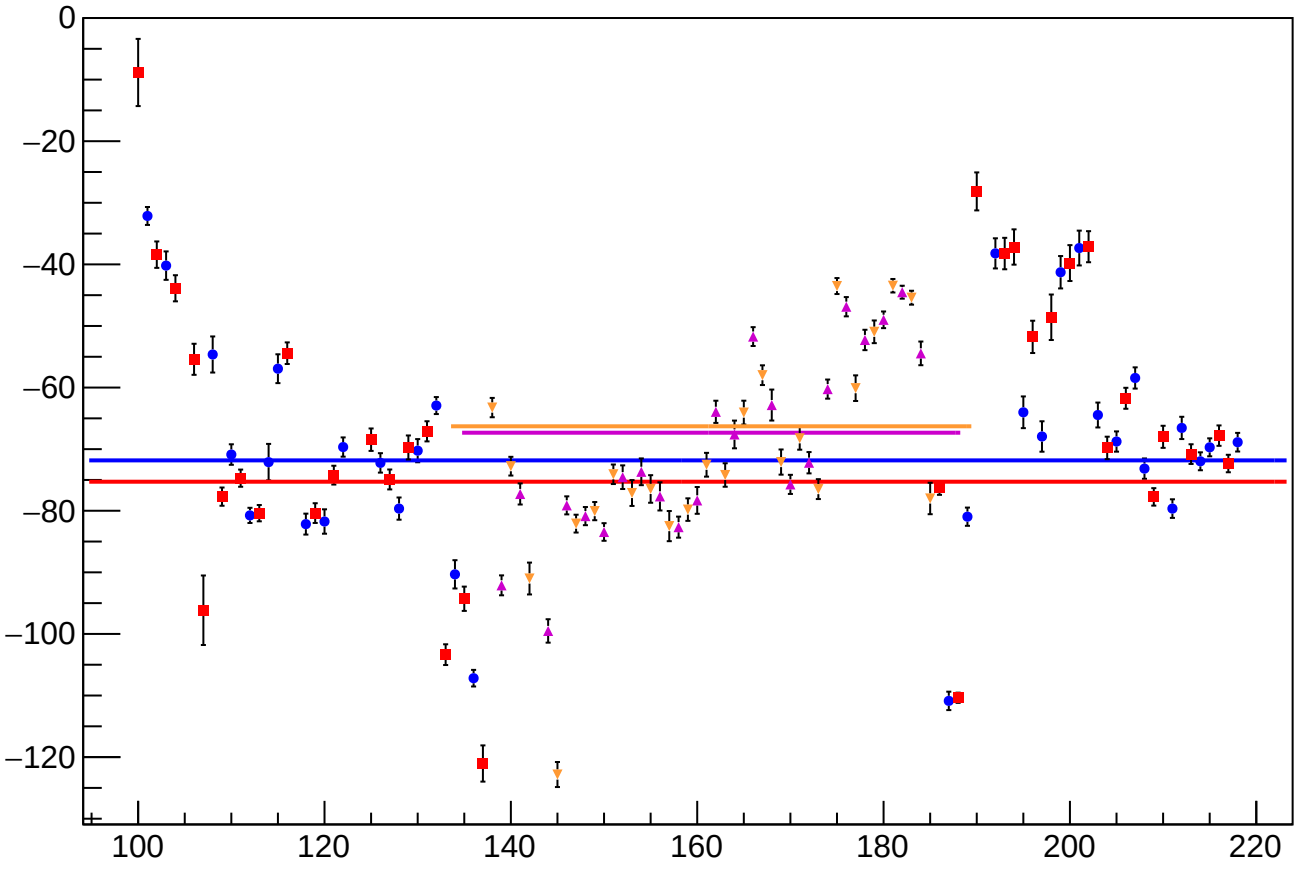
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.012+/-0.003 χ^2/NDF: 8831.4/66

In: 0.020+/-0.003 χ^2/NDF:61.7/54

Out: 0.021+/-0.003 χ^2/NDF:8827.8/59

All: 0.020+/-0.002 χ^2/NDF: 8889.5/114



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: -75.286+/-0.298 χ^2/NDF: 4621.6/33

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

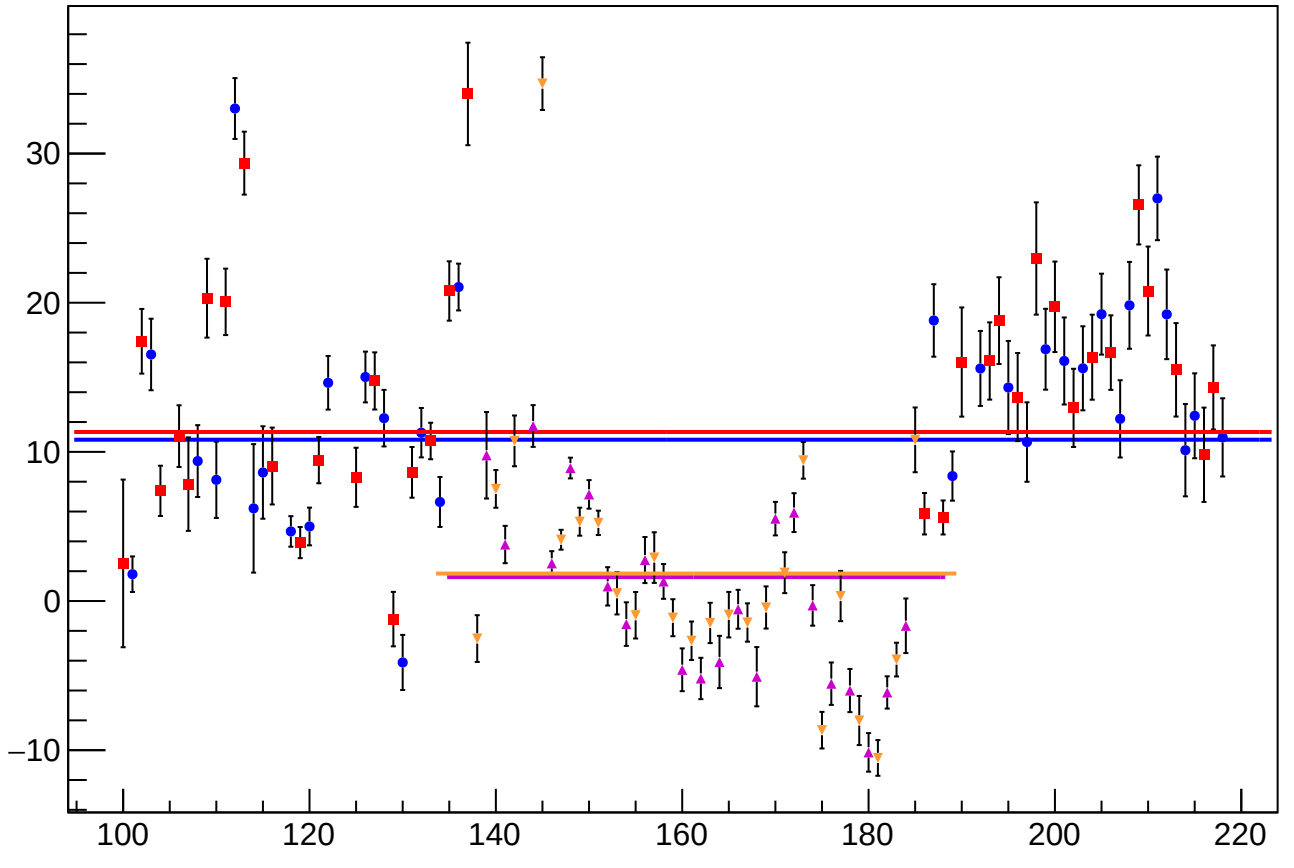
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -73.616+/-0.215 χ^2/NDF: 7946.7/65

In: -69.823+/-0.230 χ^2/NDF:5456.7/54

Out: -71.420+/-0.225 χ^2/NDF:7562.6/57

All: -70.639+/-0.161 χ^2/NDF: 13043.9/112



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: 11.332+/-0.351 χ^2/NDF: 415.6/33

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

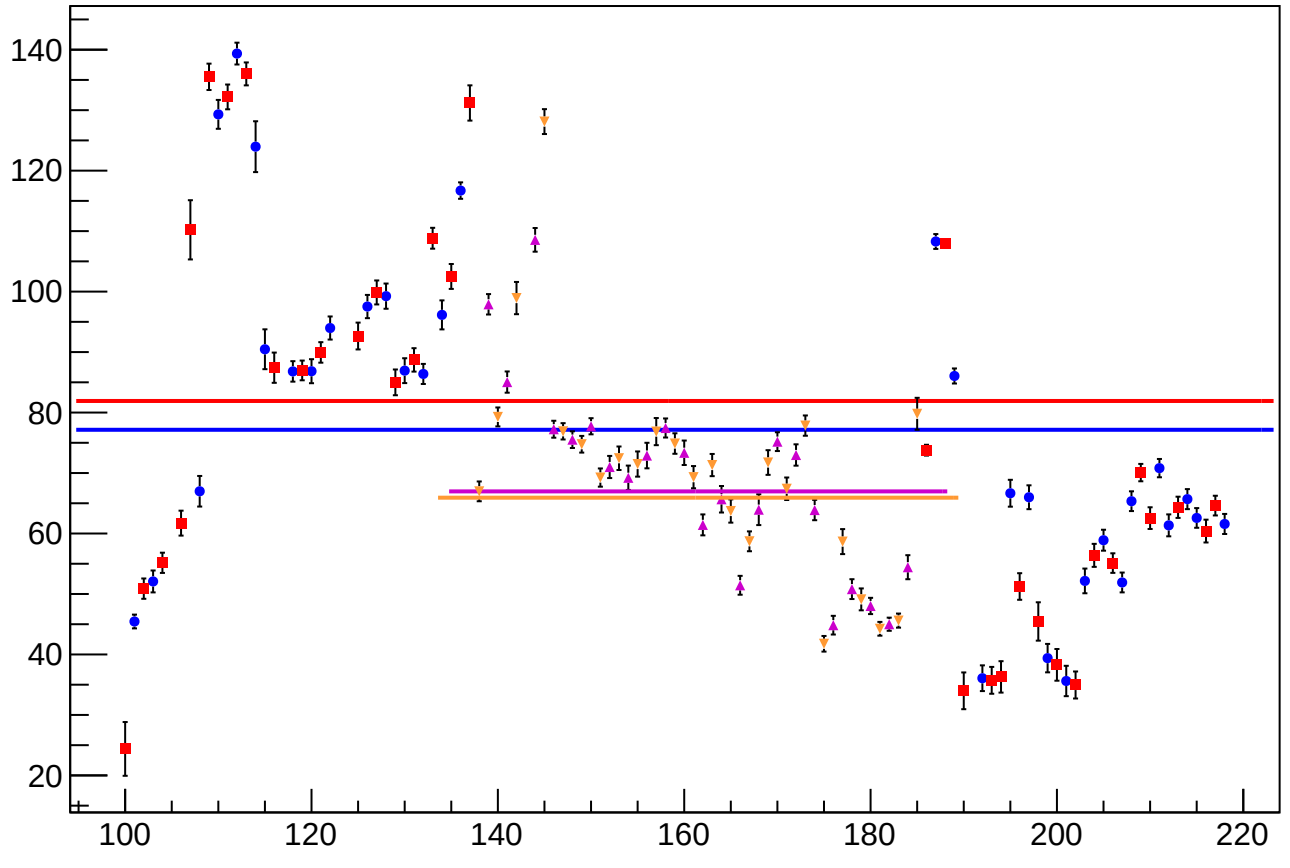
Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

Right: 11.077+/-0.250 χ^2/NDF: 874.0/65

In: 4.777+/-0.209 χ^2/NDF:1391.4/54

Out: 5.106+/-0.206 χ^2/NDF:1675.5/57

All: 4.944+/-0.147 χ^2/NDF: 3068.1/112



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: 81.915+/-0.297 χ^2/NDF: 8330.8/33

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

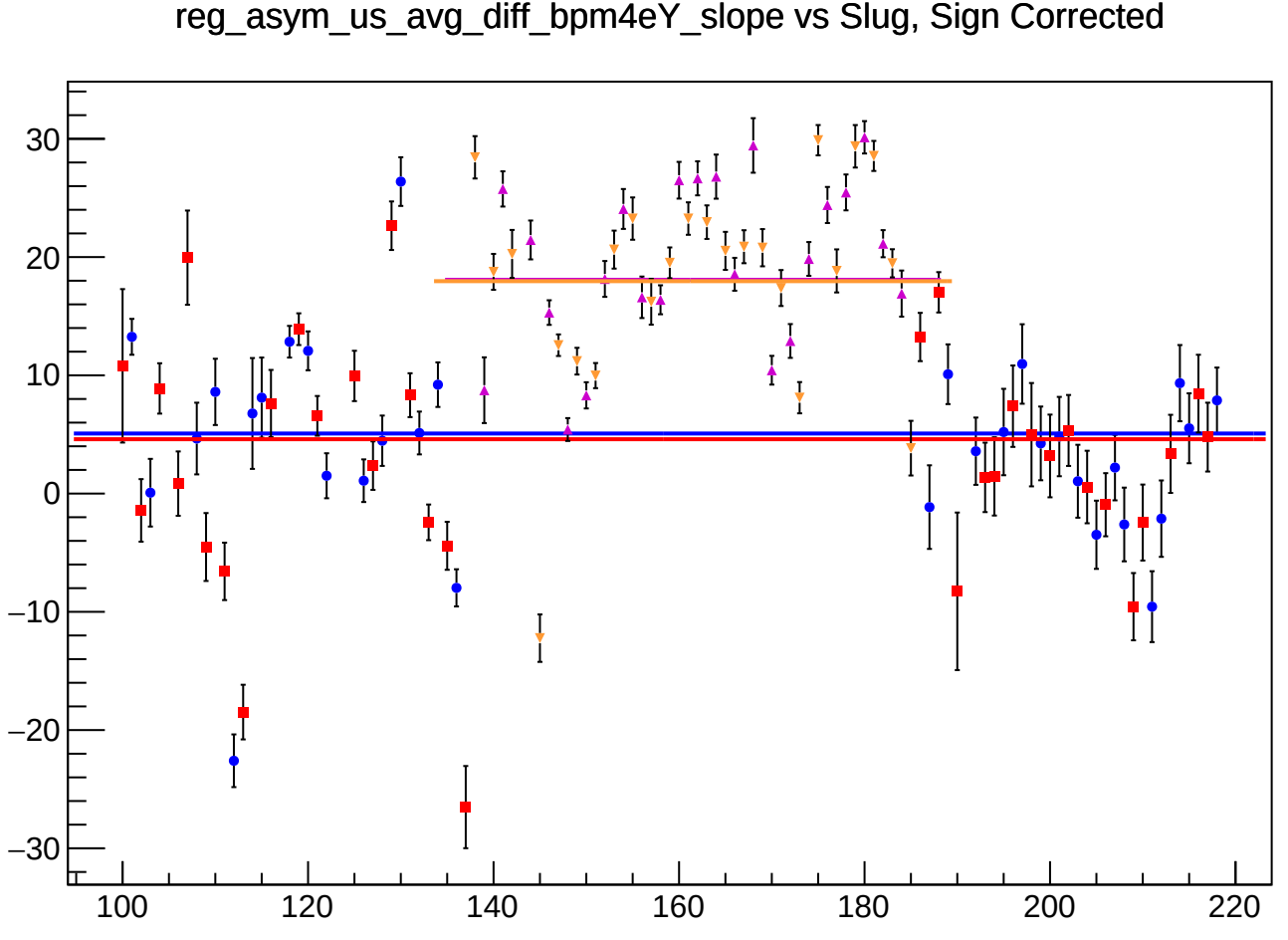
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 79.677+/-0.216 χ^2/NDF: 15072.9/65

In: 72.456+/-0.232 χ^2/NDF:9323.1/54

Out: 75.006+/-0.224 χ^2/NDF:12139.2/57

All: 73.775+/-0.161 χ^2/NDF: 21524.9/112



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: 4.597+/-0.417 χ^2/NDF: 533.8/33

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

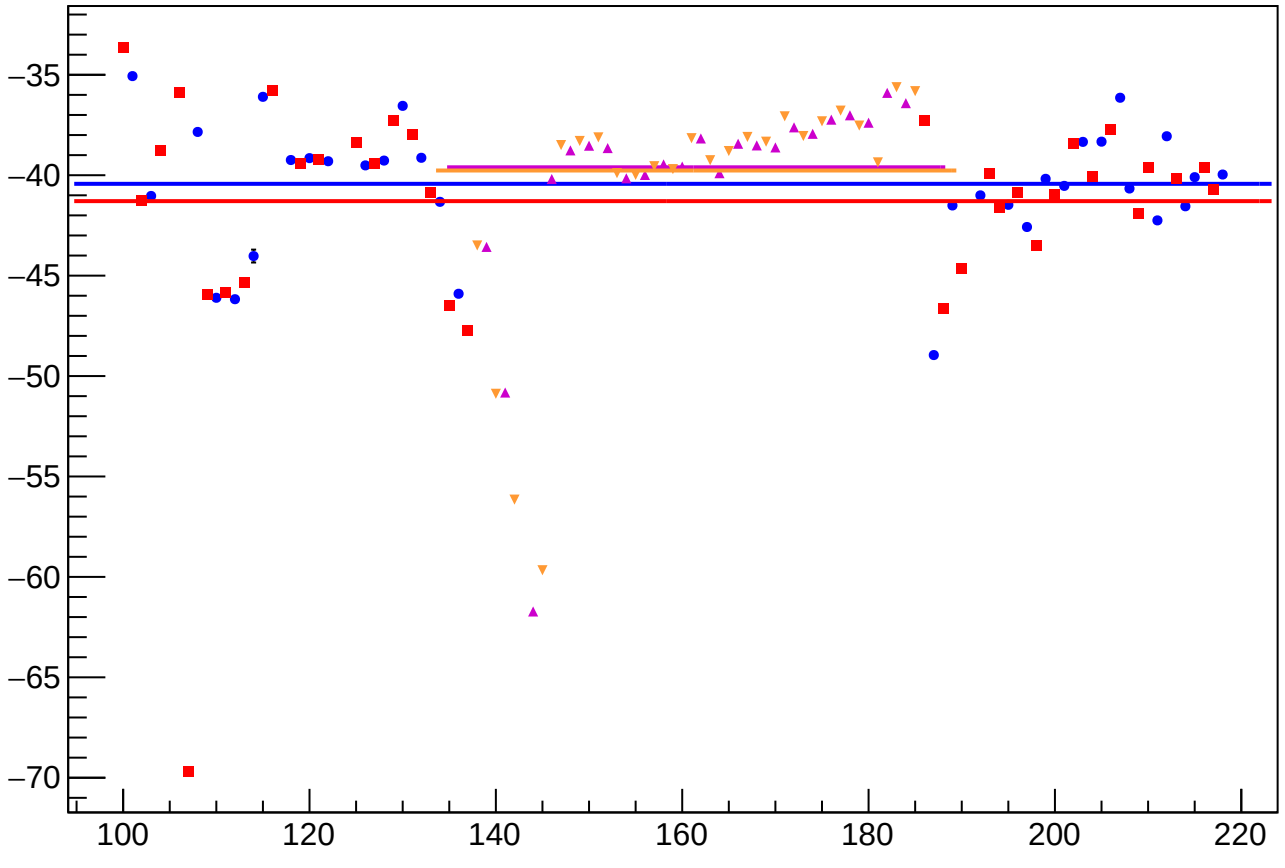
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 4.839+/-0.294 χ^2/NDF: 1024.2/65

In: 13.717+/-0.240 χ^2/NDF:1747.1/54

Out: 13.561+/-0.239 χ^2/NDF:1956.3/57

All: 13.639+/-0.169 χ^2/NDF: 3703.6/112



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: -41.290+/-0.021 χ^2/NDF: 44924.5/33

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

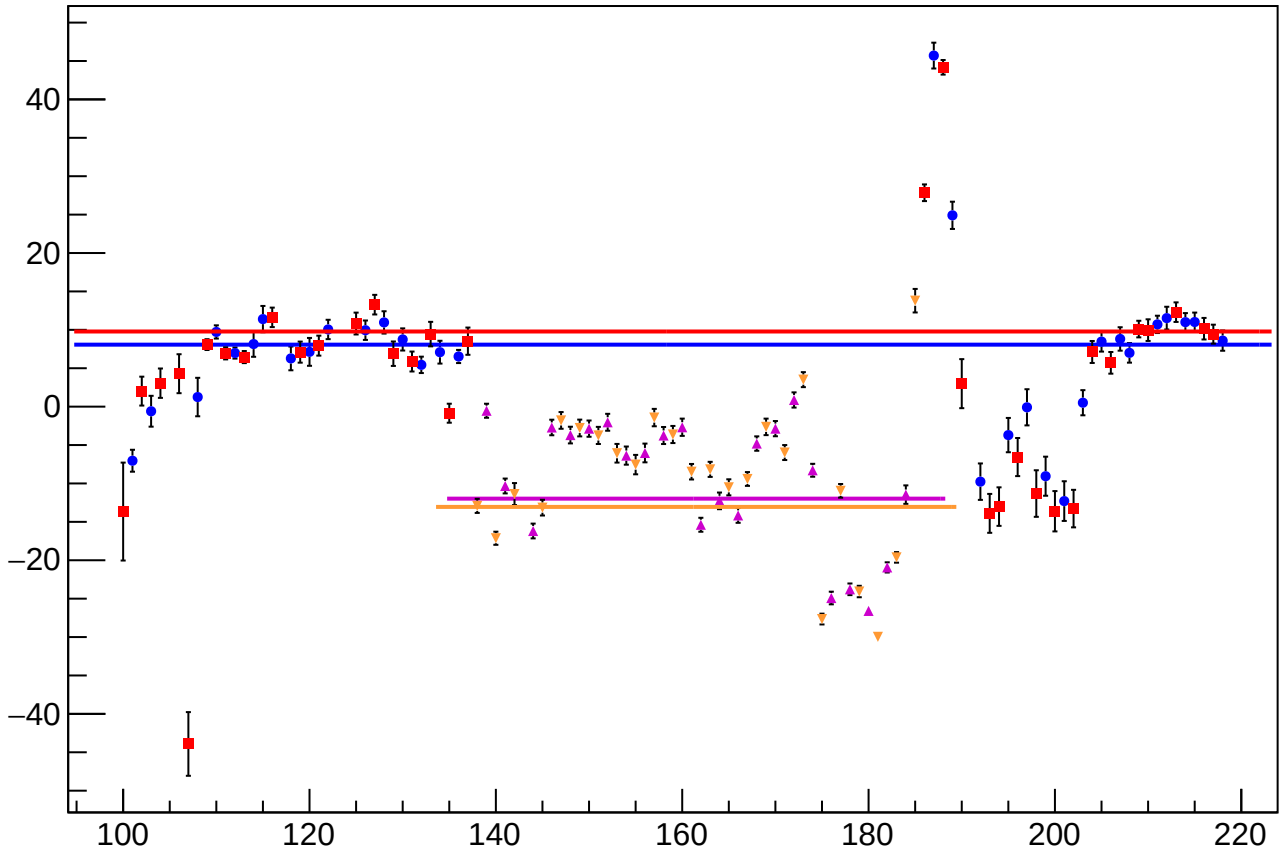
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -40.856+/-0.015 χ^2/NDF: 69140.7/65

In: -39.851+/-0.011 χ^2/NDF:131108.4/54

Out: -40.218+/-0.011 χ^2/NDF:178626.3/57

All: -40.033+/-0.008 χ^2/NDF: 310267.4/112



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: 9.783+/-0.234 χ^2/NDF: 2391.5/33

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

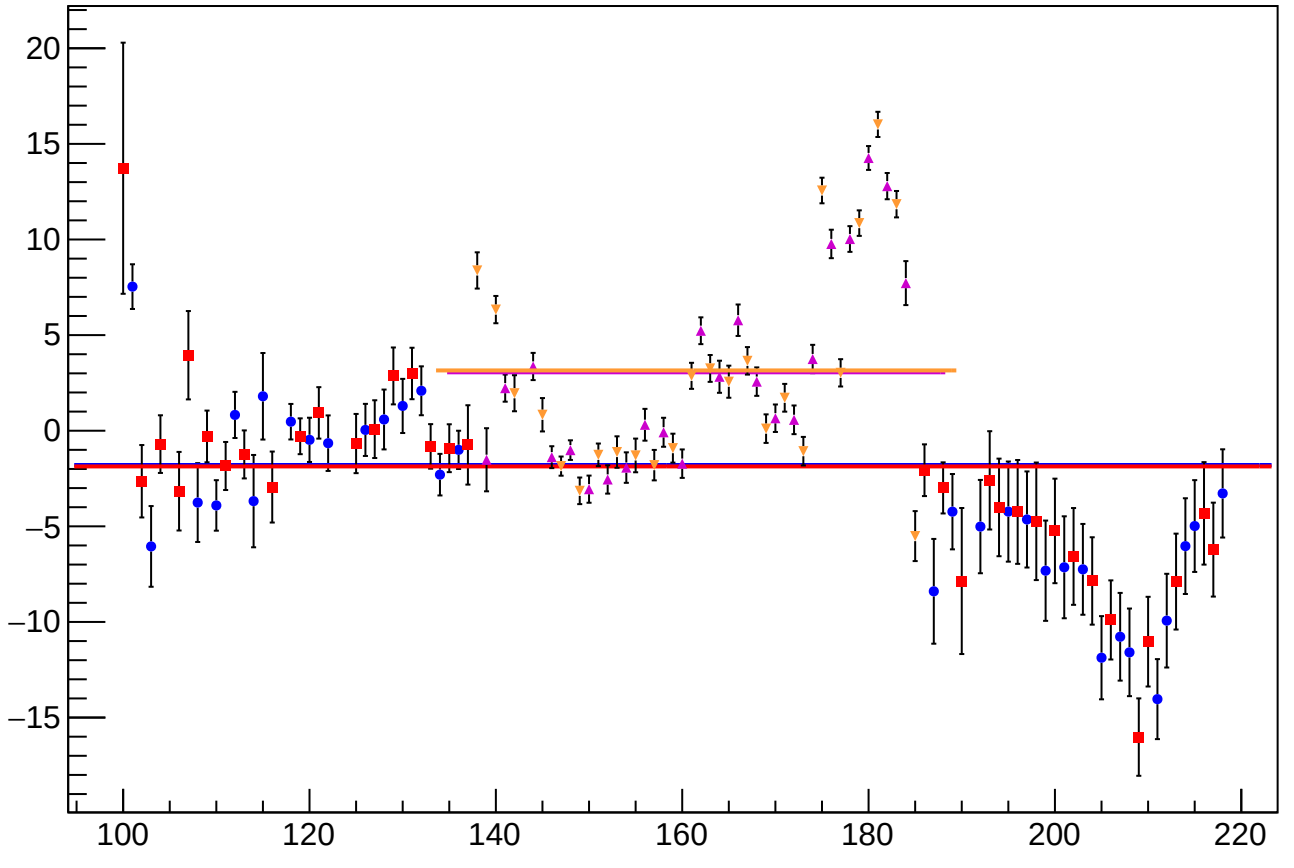
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

Right: 8.954+/-0.168 χ^2/NDF: 3425.8/65

In: -4.027+/-0.152 χ^2/NDF:7356.1/54

Out: -3.801+/-0.149 χ^2/NDF:10946.4/57

All: -3.911+/-0.106 χ^2/NDF: 18303.6/112



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: -1.867+/-0.292 χ^2/NDF: 155.8/33

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

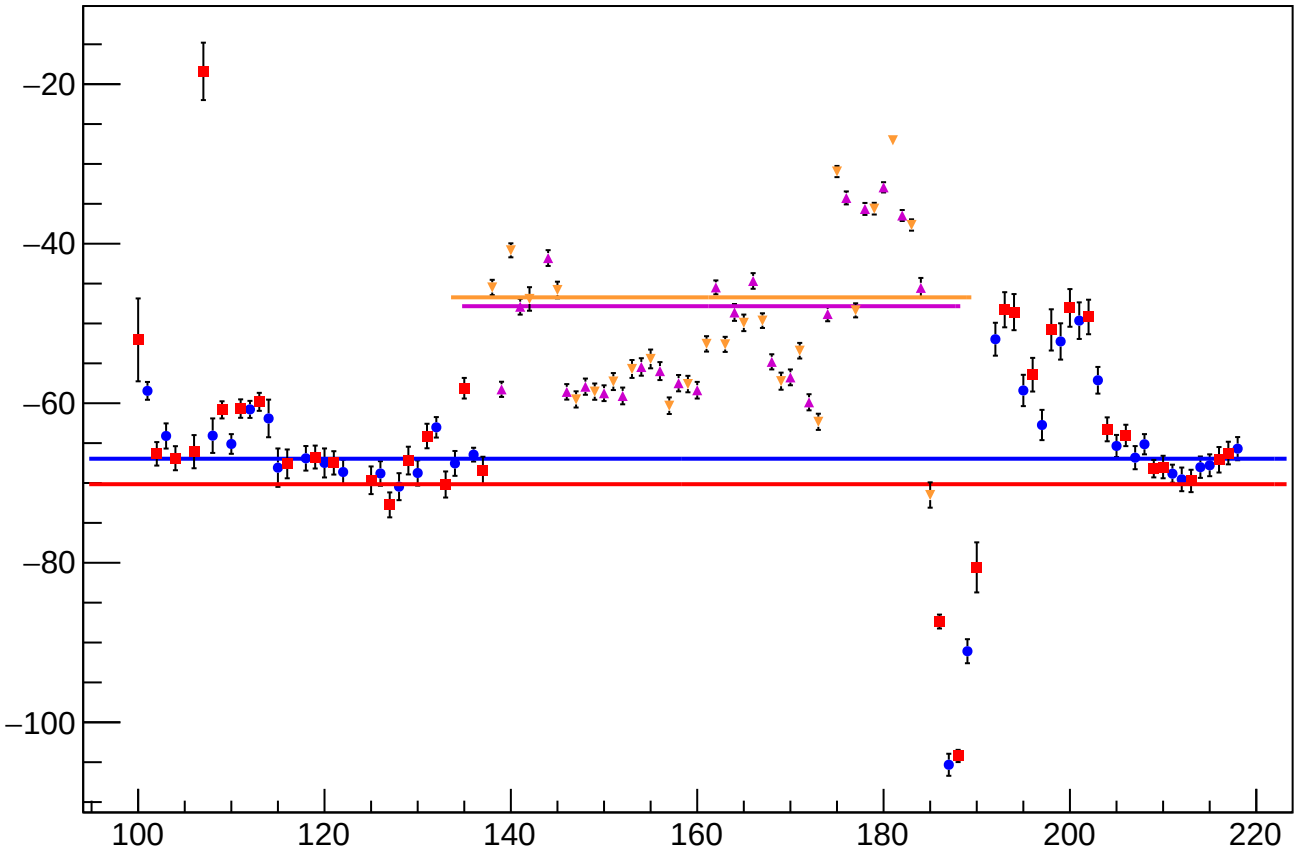
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -1.829+/-0.205 χ^2/NDF: 392.1/65

In: 2.007+/-0.135 χ^2/NDF:1601.1/54

Out: 2.112+/-0.133 χ^2/NDF:1775.8/57

All: 2.061+/-0.095 χ^2/NDF: 3377.2/112



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: -70.149+/-0.252 χ^2/NDF: 3486.9/33

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

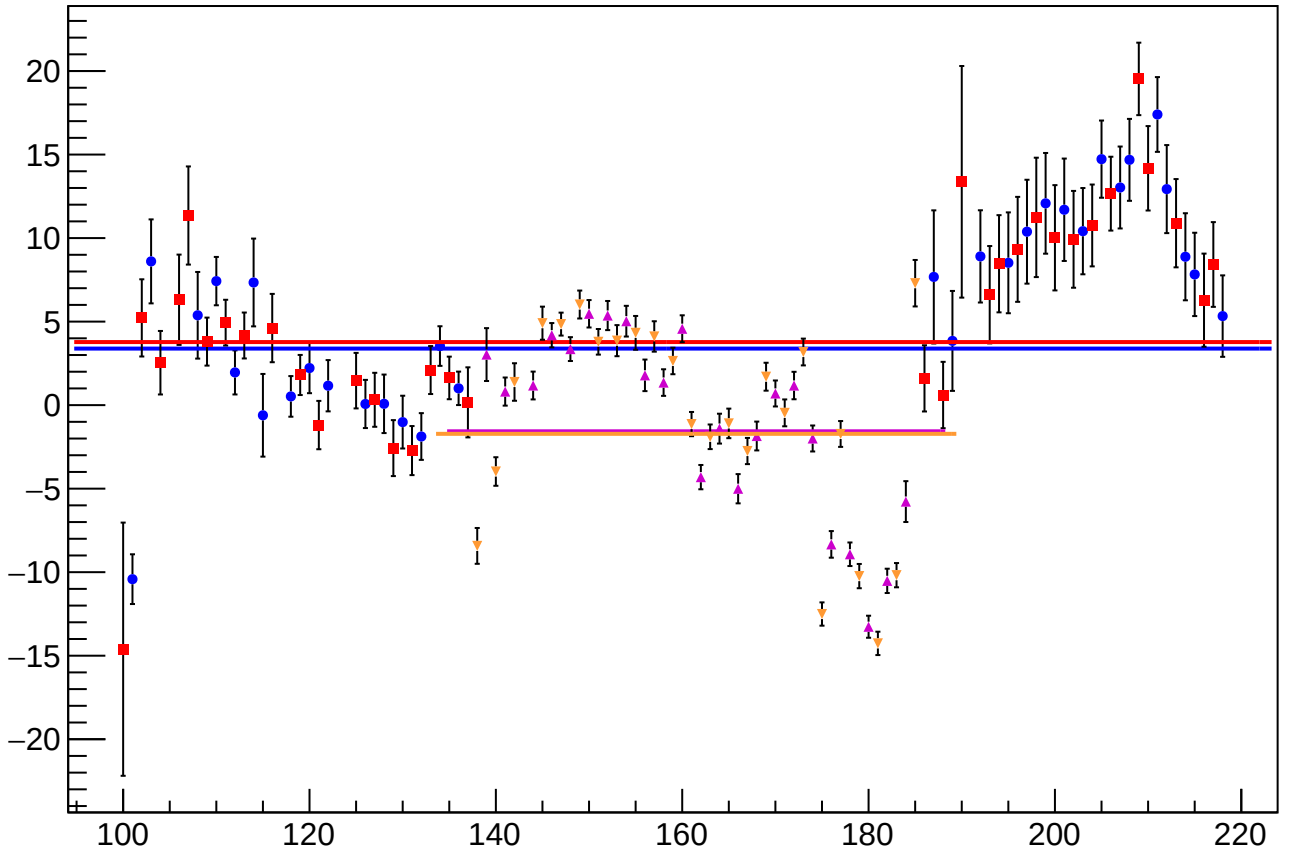
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -68.597+/-0.181 χ^2/NDF: 4935.4/65

In: -54.692+/-0.155 χ^2/NDF:7417.1/54

Out: -55.294+/-0.153 χ^2/NDF:12404.6/57

All: -54.998+/-0.109 χ^2/NDF: 19829.4/112



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: 3.776+/-0.335 χ^2/NDF: 207.8/33

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

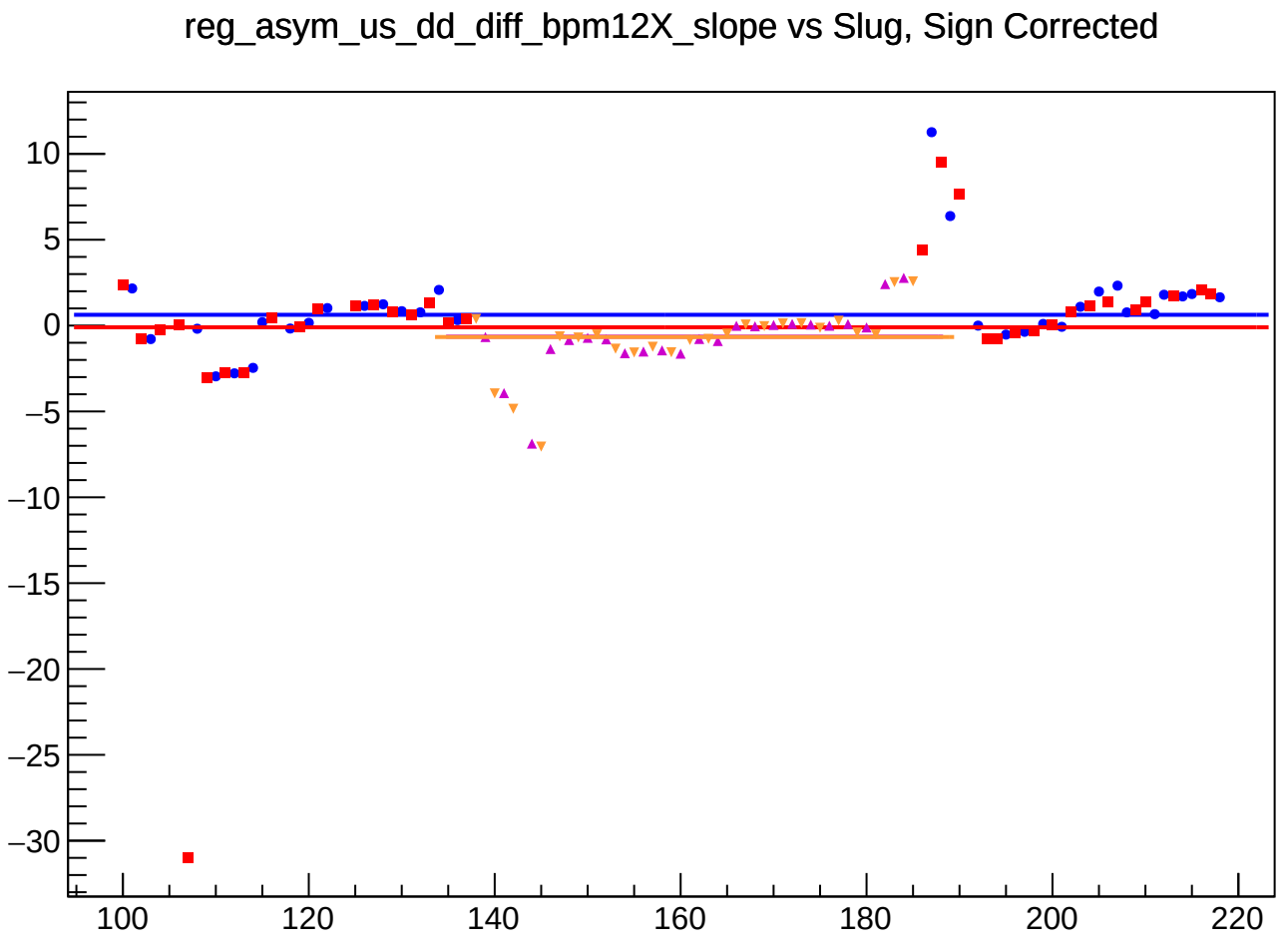
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 3.576+/-0.234 χ^2/NDF: 515.4/65

In: -0.510+/-0.151 χ^2/NDF:1604.3/54

Out: -0.615+/-0.150 χ^2/NDF:1829.0/57

All: -0.563+/-0.107 χ^2/NDF: 3433.6/112



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: -0.100+/-0.017 χ^2/NDF: 61620.6/33

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

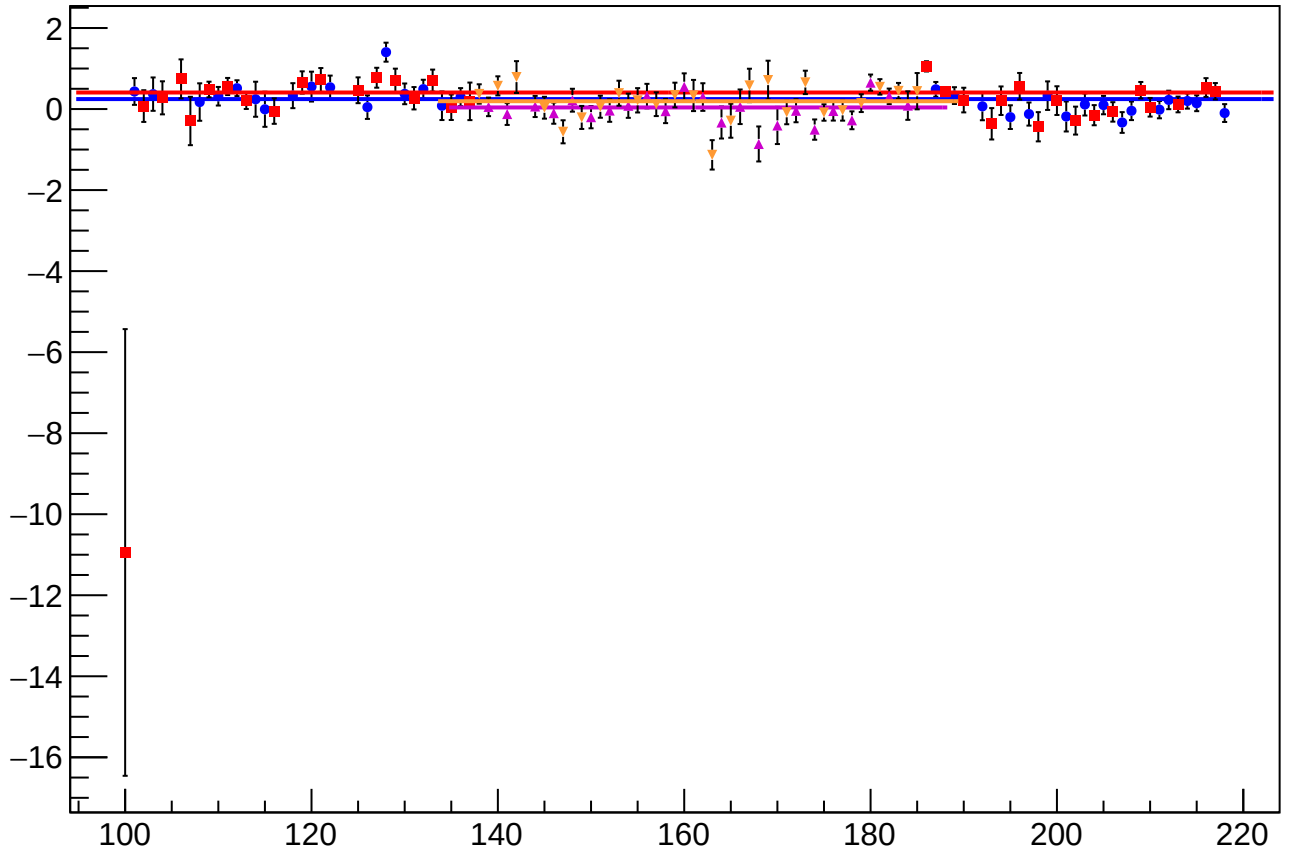
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.275+/-0.012 χ^2/NDF: 73161.7/65

In: -0.426+/-0.007 χ^2/NDF:61089.6/54

Out: -0.573+/-0.007 χ^2/NDF:117820.5/57

All: -0.500+/-0.005 χ^2/NDF: 179140.8/112



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: 0.408+/-0.042 χ^2/NDF: 73.9/33

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

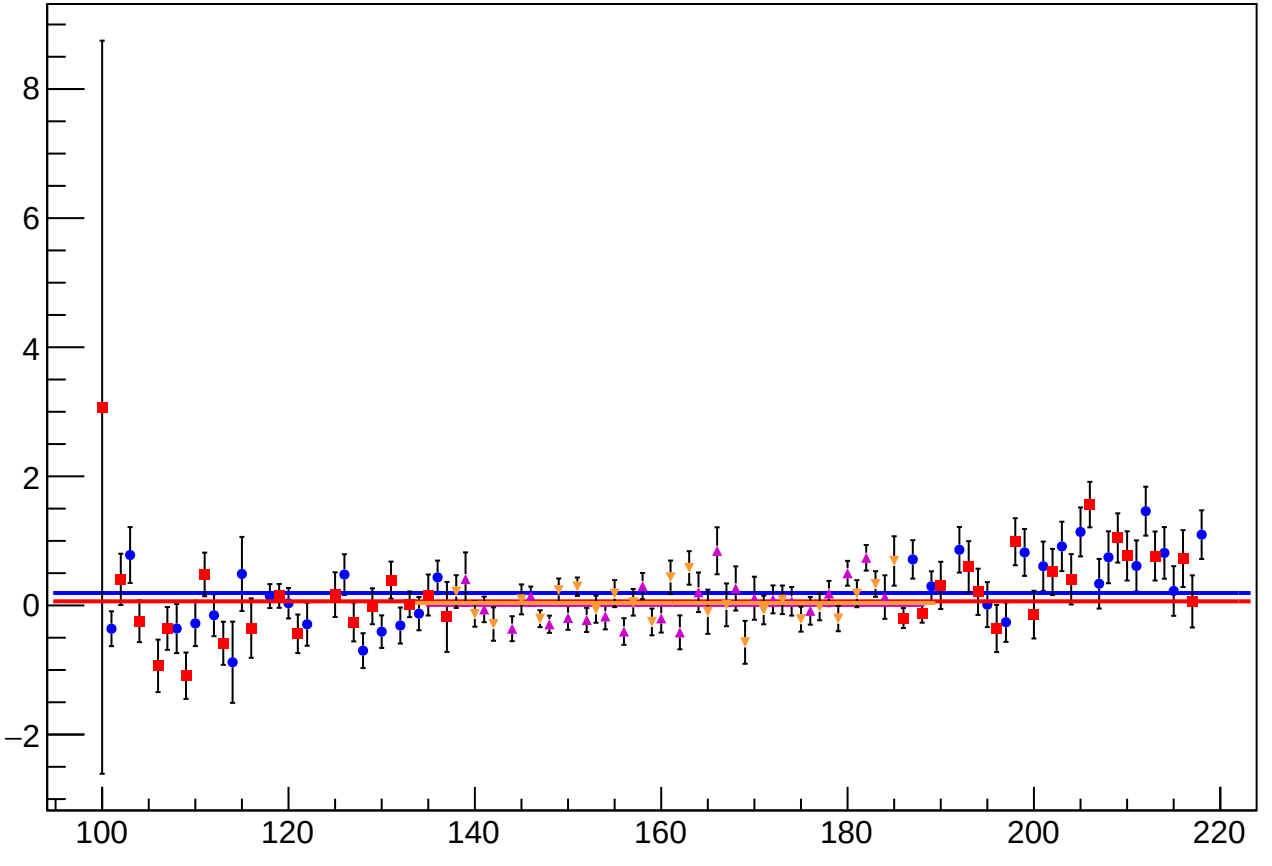
Right: 0.334+/-0.031 χ^2/NDF: 131.0/65

In: 0.167+/-0.036 χ^2/NDF:88.7/54

Out: 0.332+/-0.034 χ^2/NDF:127.3/57

All: 0.254+/-0.025 χ^2/NDF: 227.4/112

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: 0.064+/-0.052 χ^2/NDF: 83.0/33

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

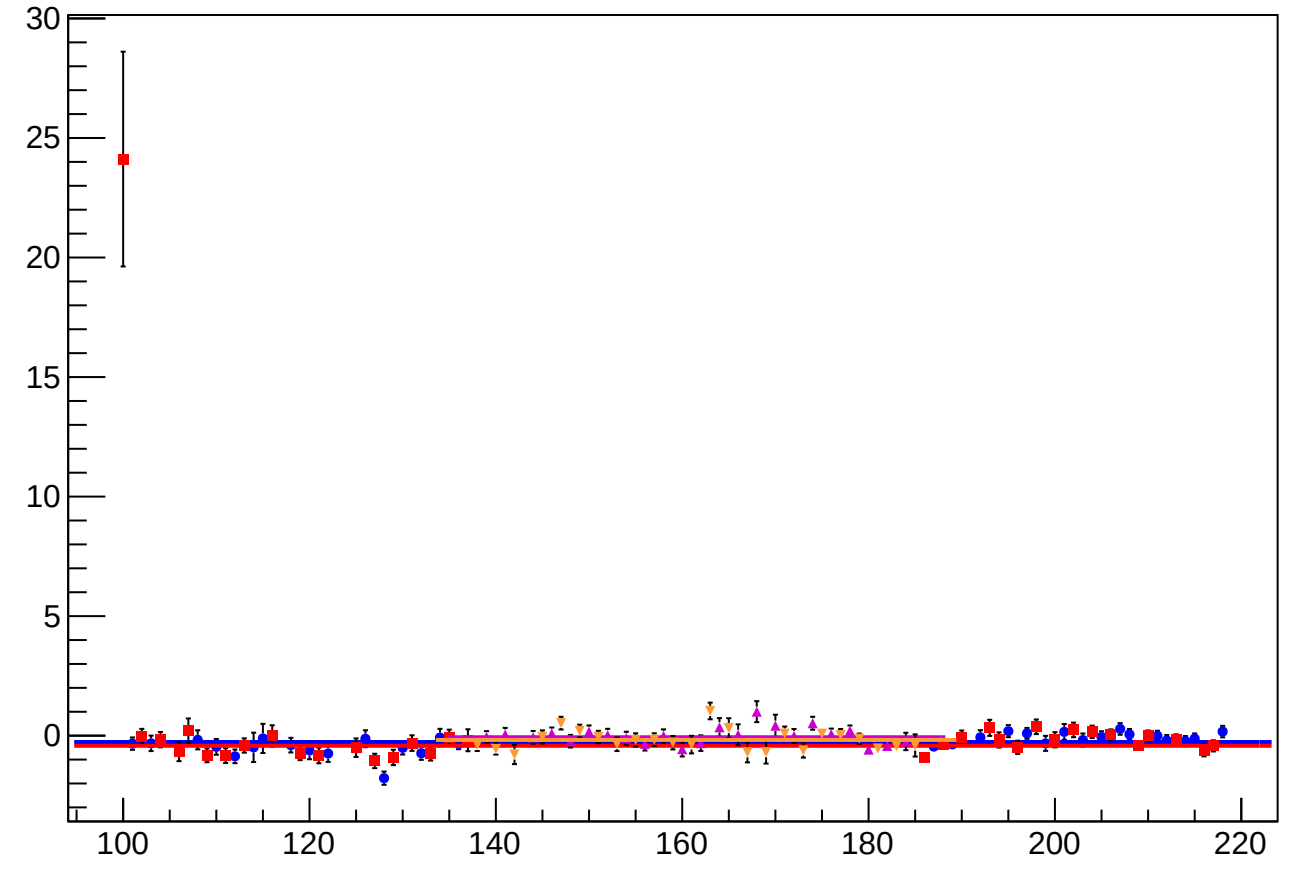
Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

Right: 0.123+/-0.038 χ^2/NDF: 171.5/65

In: 0.079+/-0.035 χ^2/NDF:143.8/54

Out: 0.048+/-0.033 χ^2/NDF:115.9/57

All: 0.063+/-0.024 χ^2/NDF: 260.1/112



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: -0.422+/-0.041 χ^2/NDF: 106.2/33

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

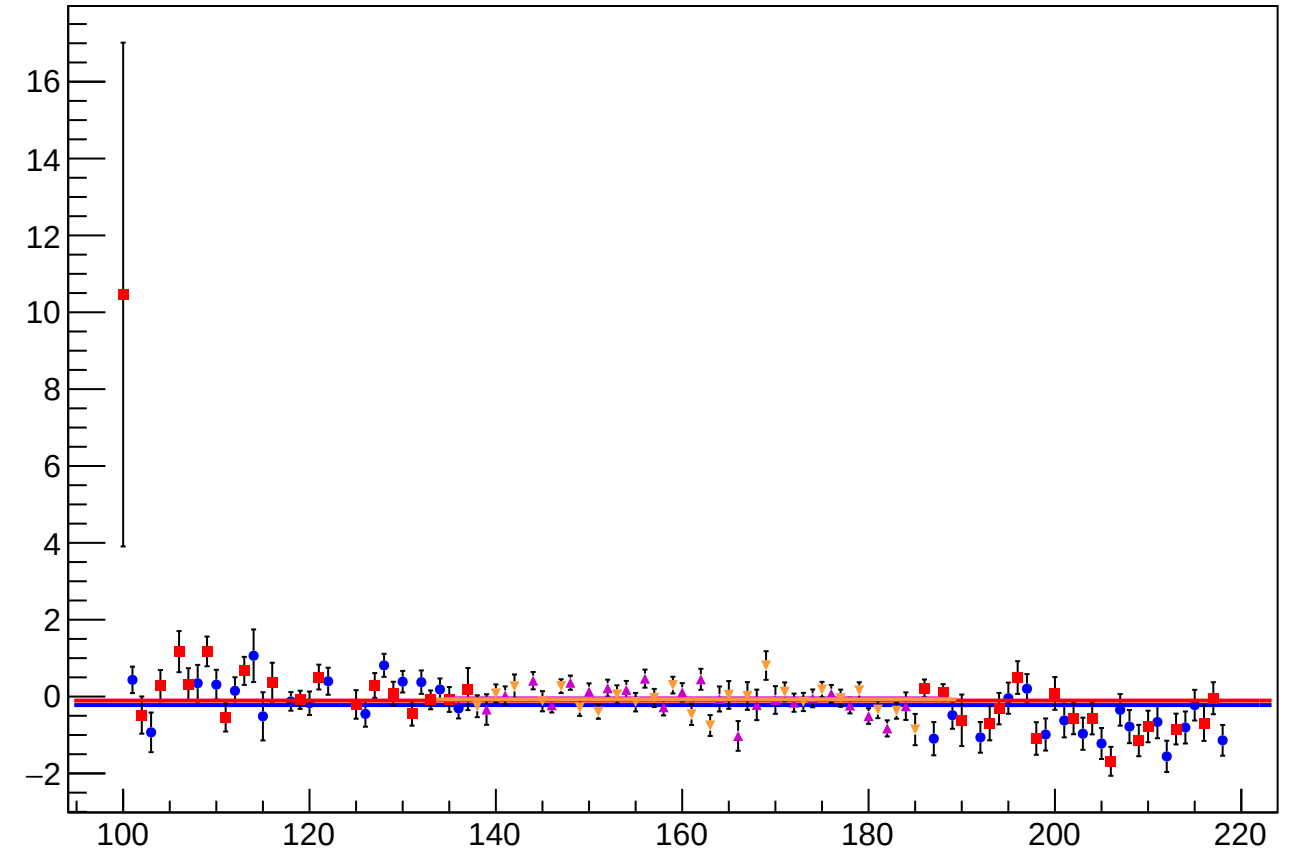
Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

Right: -0.354+/-0.031 χ^2/NDF: 177.4/65

In: -0.186+/-0.036 χ^2/NDF:103.7/54

Out: -0.338+/-0.033 χ^2/NDF:160.7/57

All: -0.268+/-0.024 χ^2/NDF: 274.1/112



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: -0.104+/-0.063 χ^2/NDF: 82.9/33

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

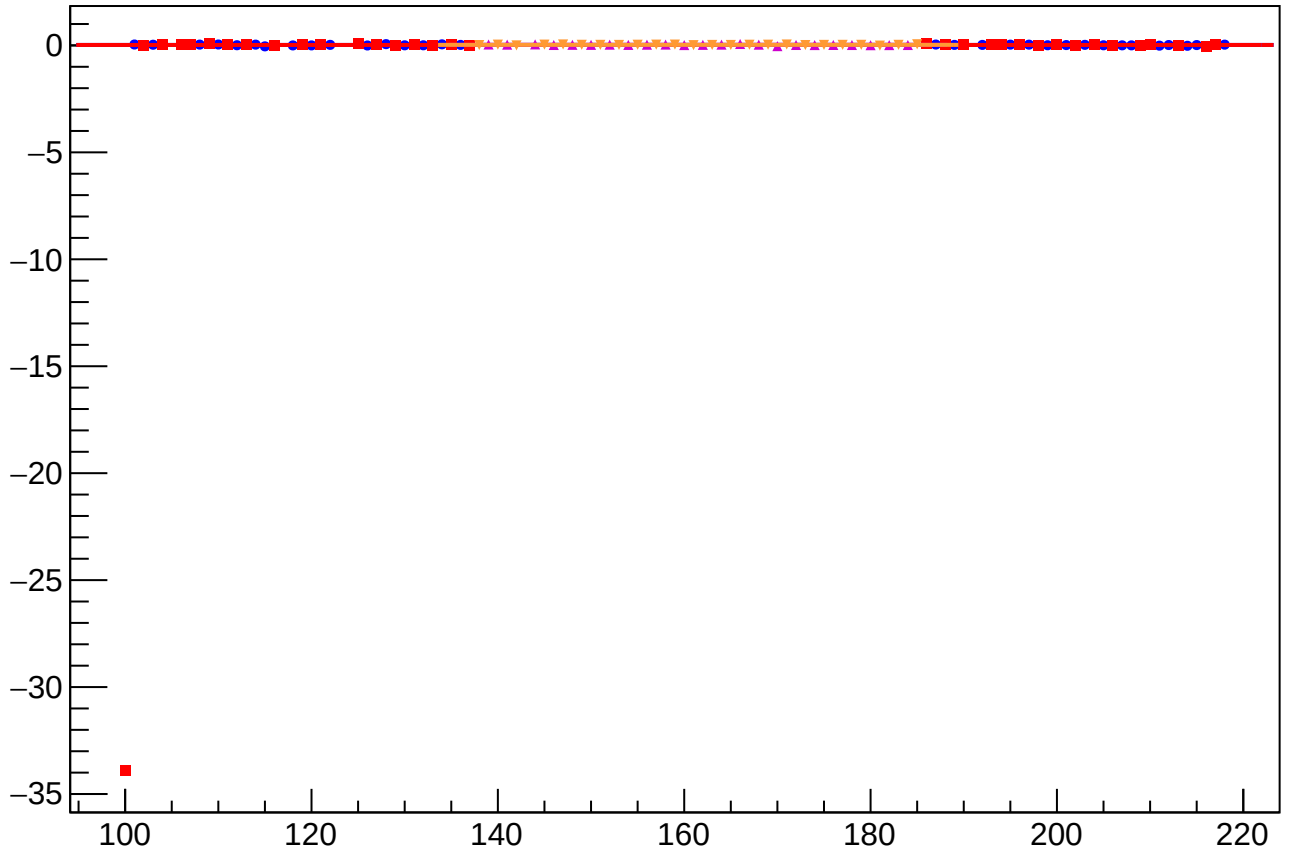
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: -0.161+/-0.045 χ^2/NDF: 169.4/65

In: -0.113+/-0.040 χ^2/NDF:139.8/54

Out: -0.084+/-0.039 χ^2/NDF:120.8/57

All: -0.098+/-0.028 χ^2/NDF: 260.8/112



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: 22325.4/33

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

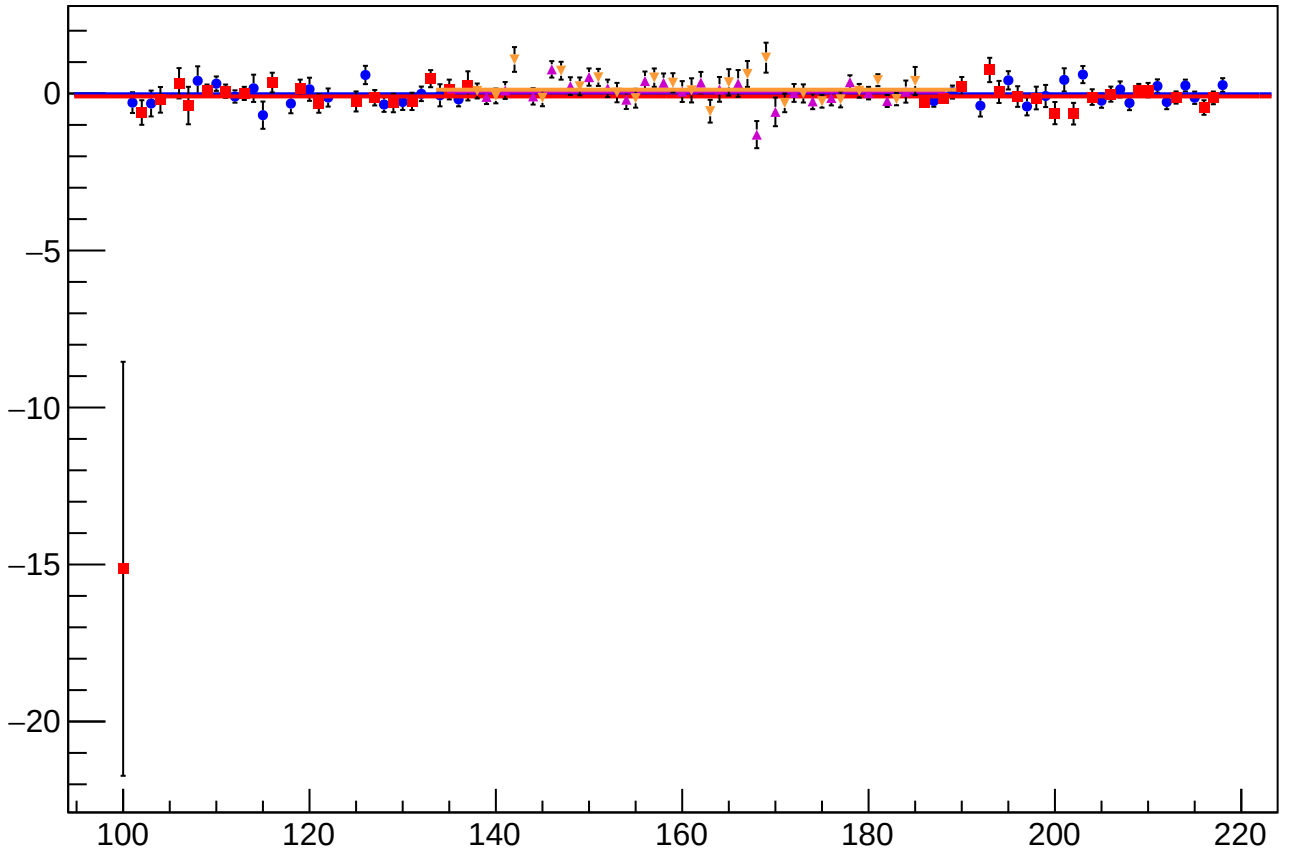
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.021+/-0.002 χ^2/NDF: 22355.9/65

In: 0.025+/-0.002 χ^2/NDF:71.4/54

Out: 0.024+/-0.002 χ^2/NDF:22359.0/57

All: 0.025+/-0.001 χ^2/NDF: 22430.5/112



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: -0.093+/-0.042 χ^2/NDF: 37.7/33

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

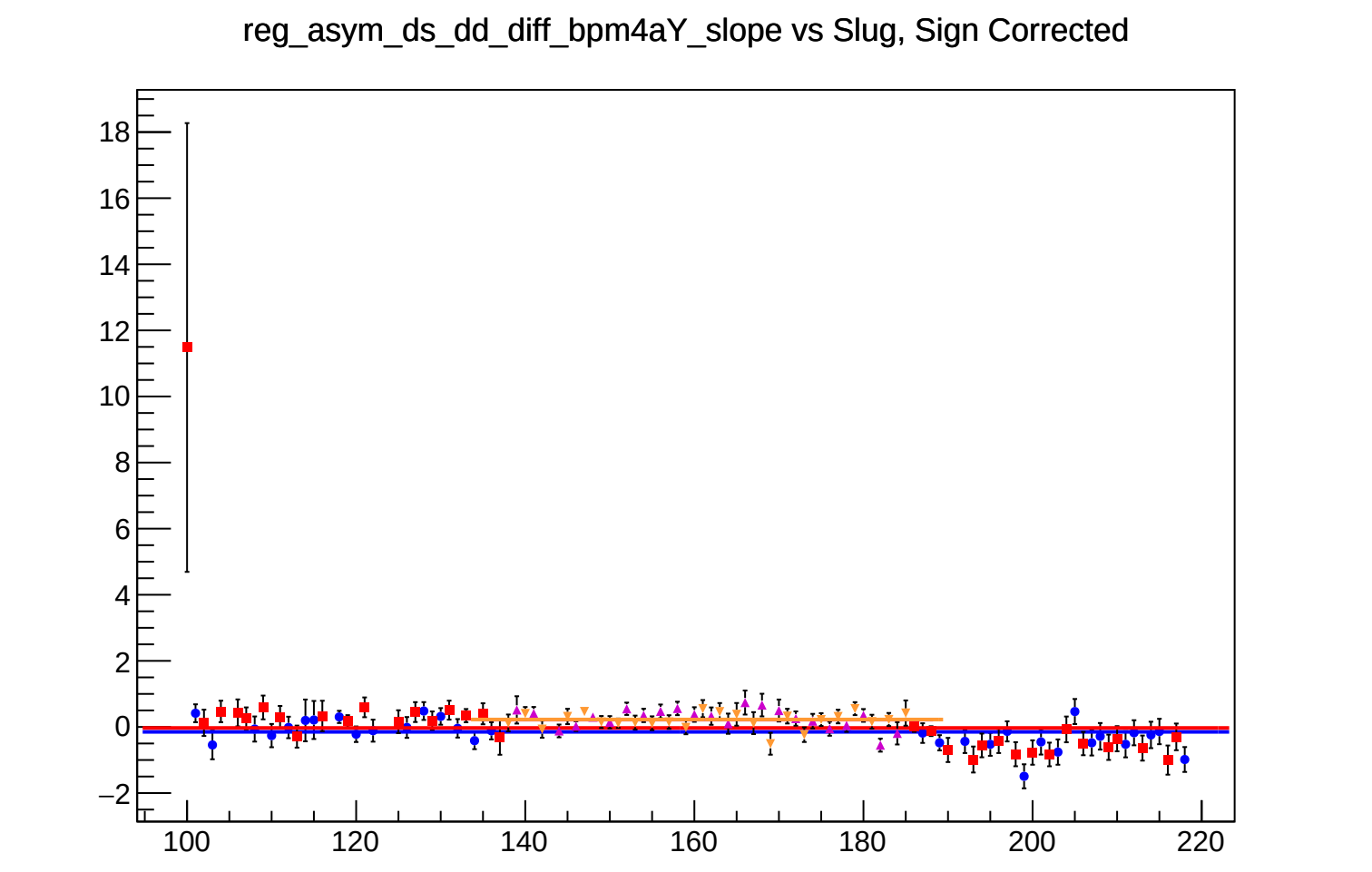
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

Right: -0.061+/-0.031 χ^2/NDF: 78.1/65

In: 0.009+/-0.036 χ^2/NDF:74.8/54

Out: -0.017+/-0.034 χ^2/NDF:86.6/57

All: -0.004+/-0.025 χ^2/NDF: 161.7/112



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: -0.030+/-0.052 χ^2/NDF: 70.3/33

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

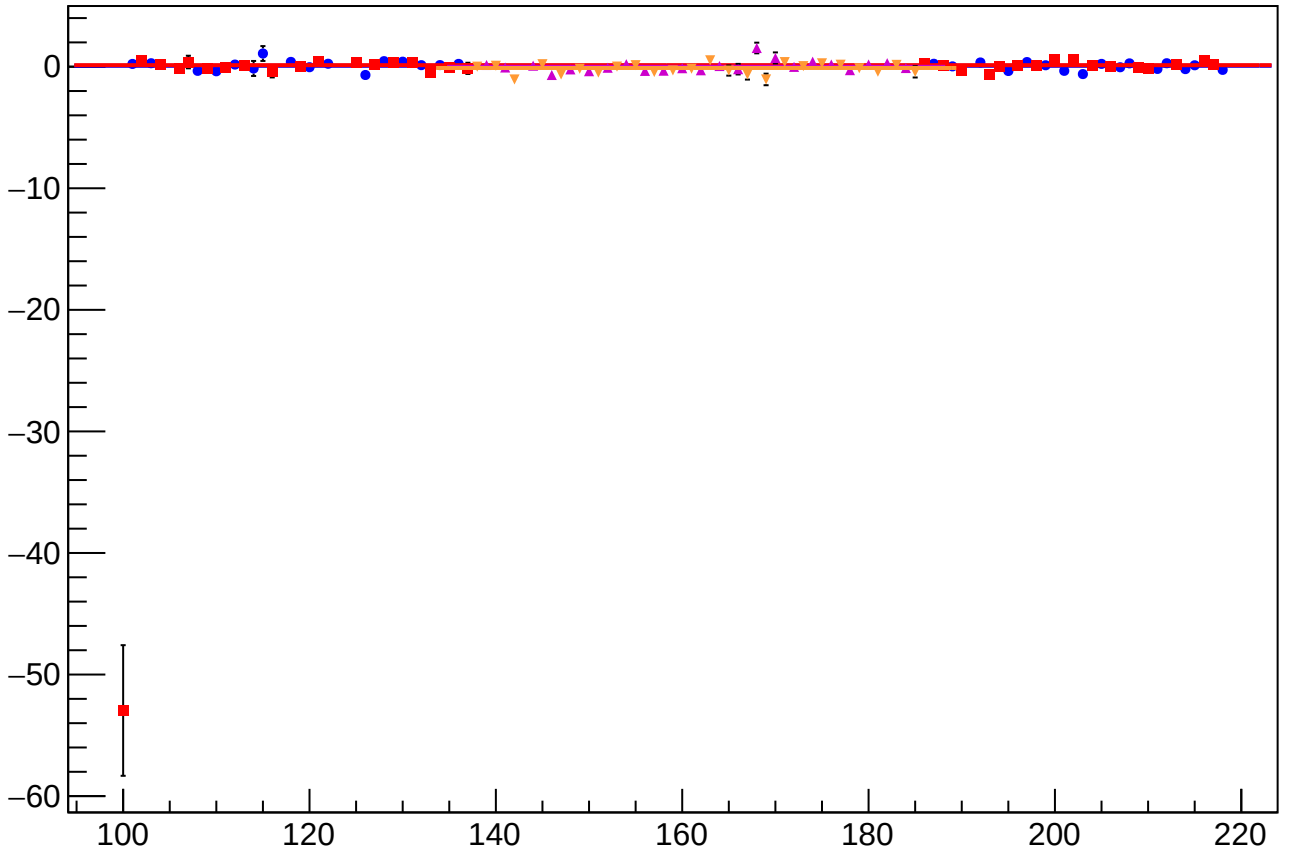
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.085+/-0.038 χ^2/NDF: 125.4/65

In: 0.079+/-0.035 χ^2/NDF:118.9/54

Out: 0.121+/-0.033 χ^2/NDF:108.6/57

All: 0.101+/-0.024 χ^2/NDF: 228.3/112



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: 0.126+/-0.041 χ^2/NDF: 127.0/33

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

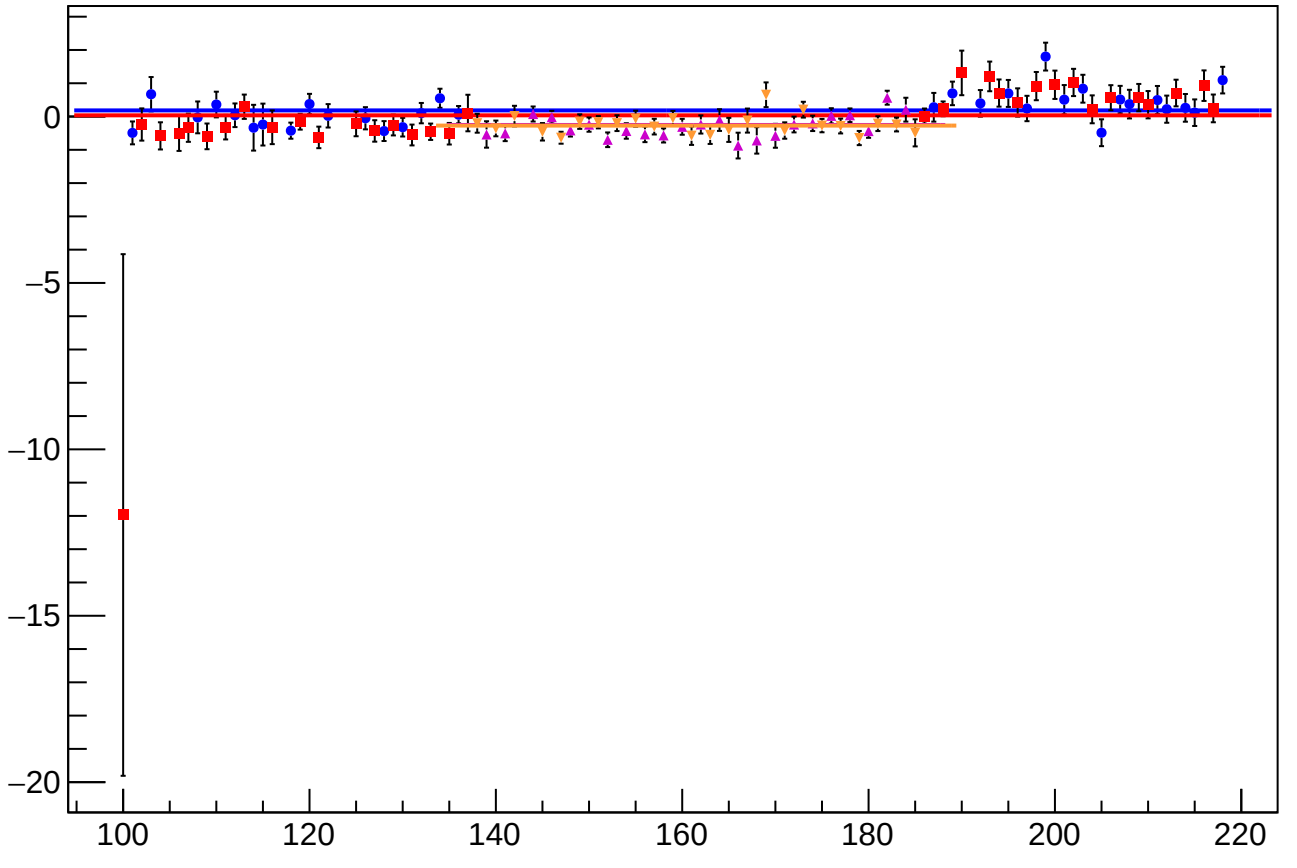
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.104+/-0.031 χ^2/NDF: 166.1/65

In: 0.042+/-0.036 χ^2/NDF:77.7/54

Out: 0.046+/-0.033 χ^2/NDF:175.7/57

All: 0.044+/-0.024 χ^2/NDF: 253.4/112



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: 0.036+/-0.063 χ^2/NDF: 71.0/33

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

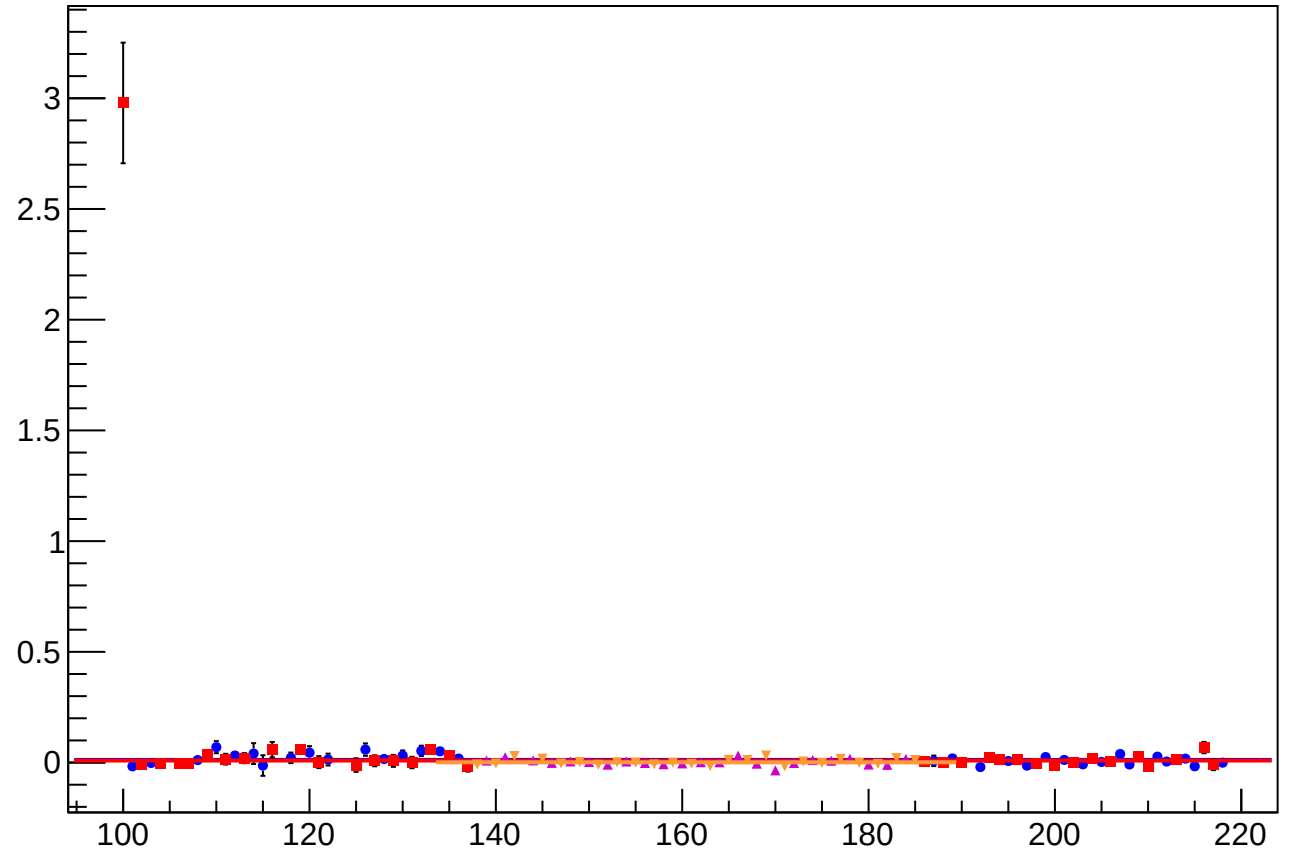
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.108+/-0.045 χ^2/NDF: 128.3/65

In: -0.089+/-0.040 χ^2/NDF:123.8/54

Out: -0.154+/-0.039 χ^2/NDF:110.8/57

All: -0.122+/-0.028 χ^2/NDF: 236.0/112



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: 0.009+/-0.003 χ^2/NDF: 158.2/33

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

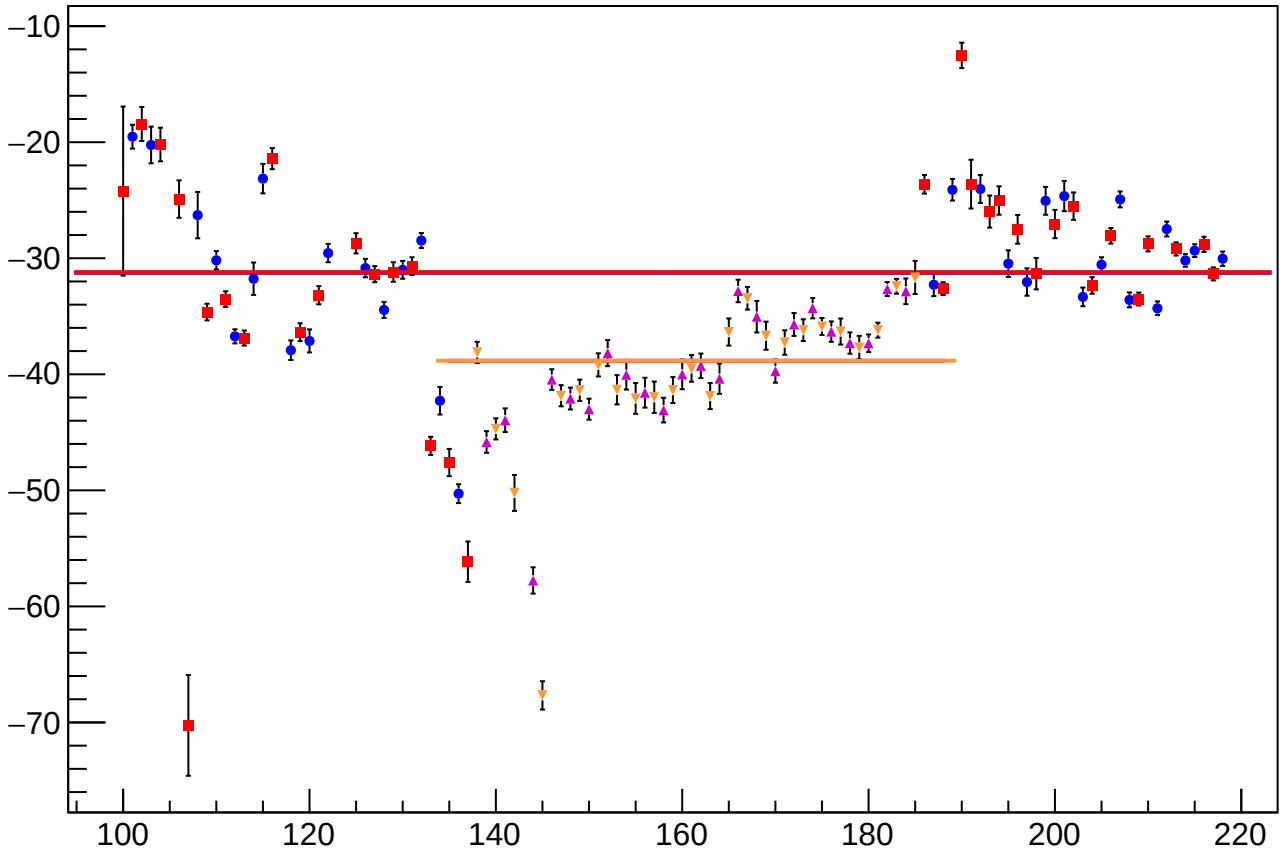
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.011+/-0.002 χ^2/NDF: 205.9/65

In: 0.006+/-0.002 χ^2/NDF:78.4/54

Out: 0.004+/-0.002 χ^2/NDF:189.6/57

All: 0.005+/-0.001 χ^2/NDF: 268.3/112



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: -31.198+/-0.142 χ^2/NDF: 1852.3/34

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

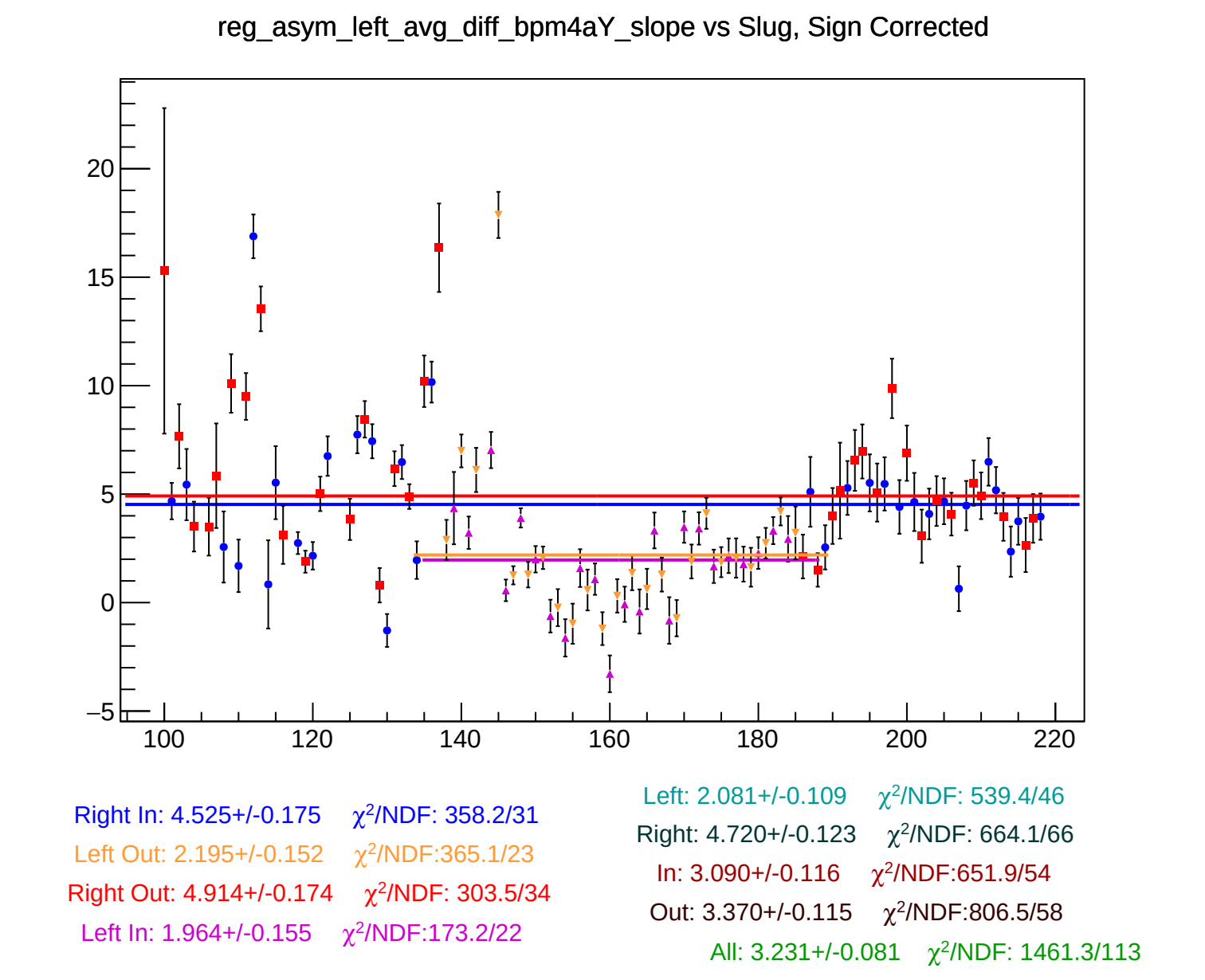
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

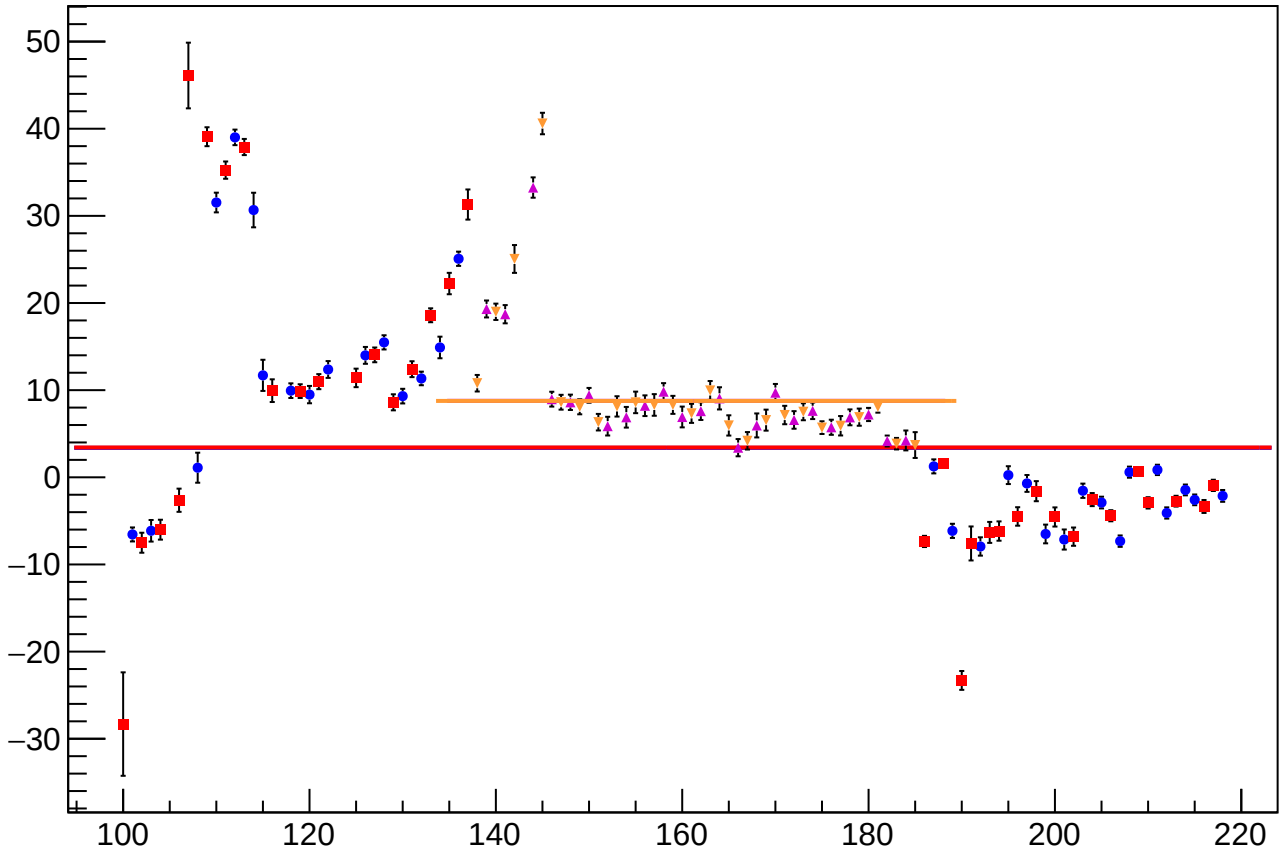
Right: -31.224+/-0.100 χ^2/NDF: 3277.6/66

In: -33.730+/-0.116 χ^2/NDF:3015.2/54

Out: -33.716+/-0.116 χ^2/NDF:3725.1/58

All: -33.723+/-0.082 χ^2/NDF: 6740.3/113


reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
120
140
160
180
200
220
Right In: 4.525+/-0.175 χ²/NDF: 358.2/31
Left Out: 2.195+/-0.152 χ²/NDF:365.1/23
Right Out: 4.914+/-0.174 χ²/NDF: 303.5/34
Left In: 1.964+/-0.155 χ²/NDF:173.2/22
Left: 2.081+/-0.109 χ²/NDF: 539.4/46
Right: 4.720+/-0.123 χ²/NDF: 664.1/66
In: 3.090+/-0.116 χ²/NDF:651.9/54
Out: 3.370+/-0.115 χ²/NDF:806.5/58
All: 3.231+/-0.081 χ²/NDF: 1461.3/113



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: 3.421+/-0.147 χ^2/NDF: 7063.7/34

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

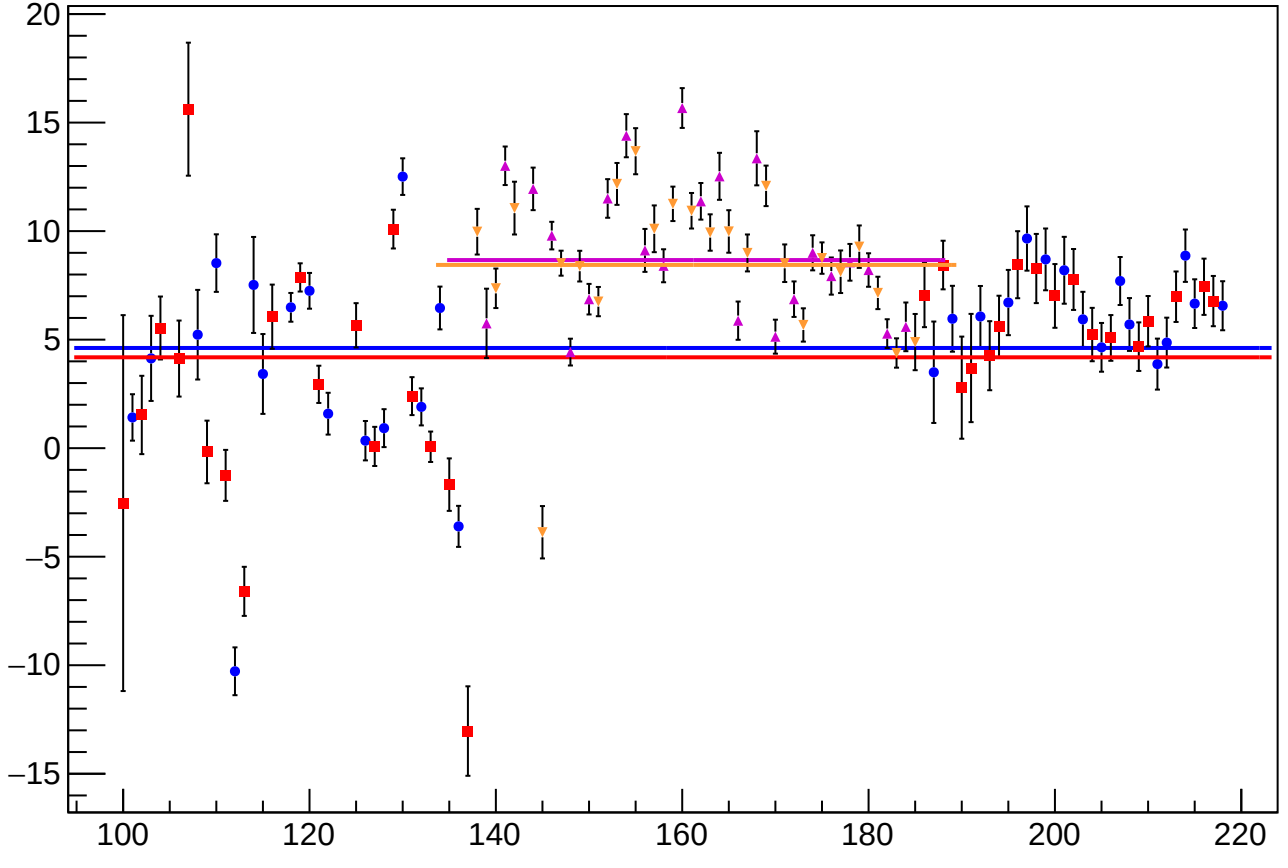
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 3.400+/-0.105 χ^2/NDF: 12414.3/66

In: 5.283+/-0.120 χ^2/NDF:6609.6/54

Out: 5.297+/-0.119 χ^2/NDF:8560.3/58

All: 5.290+/-0.084 χ^2/NDF: 15169.9/113



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: 4.186+/-0.202 χ^2/NDF: 438.4/34

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

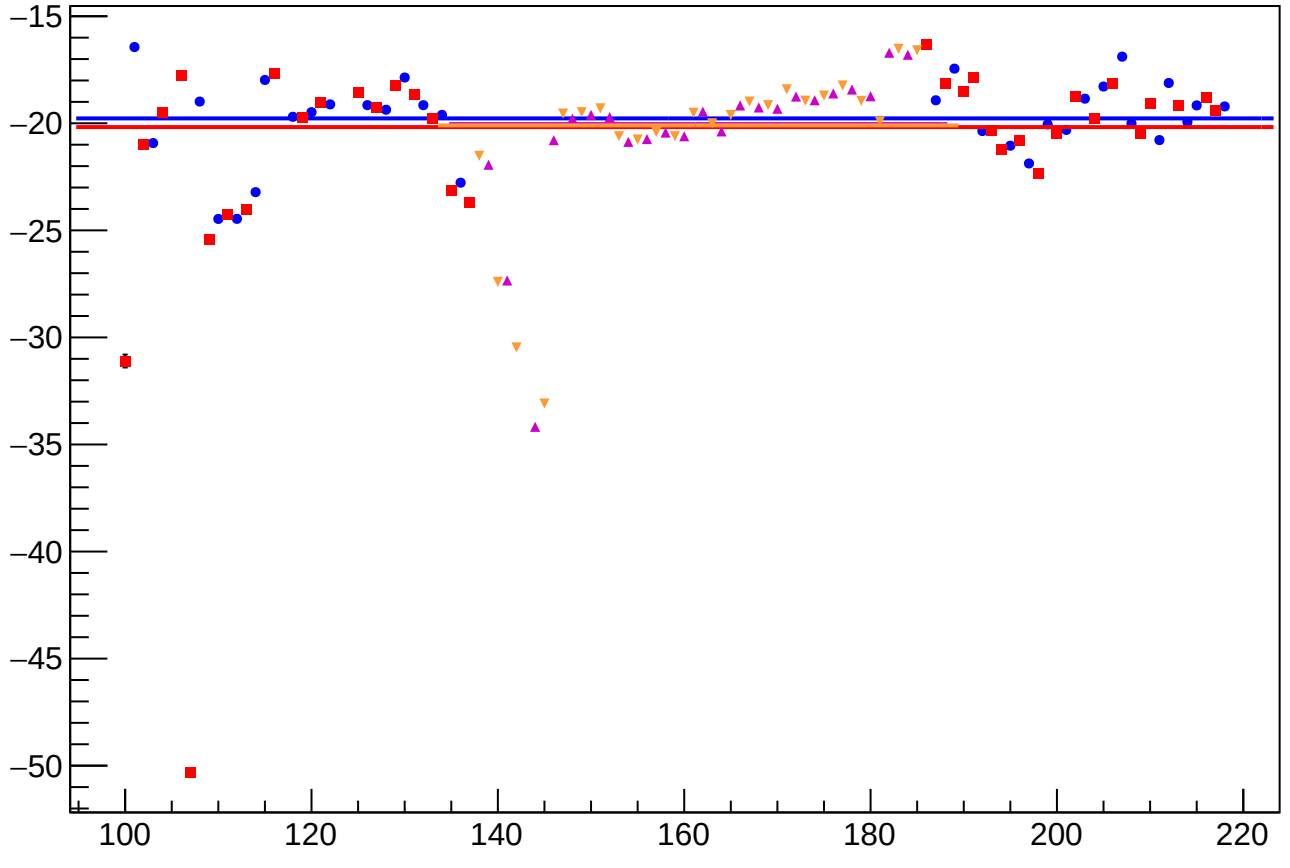
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 4.404+/-0.142 χ^2/NDF: 946.4/66

In: 6.897+/-0.132 χ^2/NDF:1042.7/54

Out: 6.632+/-0.132 χ^2/NDF:958.4/58

All: 6.765+/-0.093 χ^2/NDF: 2003.1/113



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: -20.177+/-0.010 χ^2/NDF: 72886.9/34

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

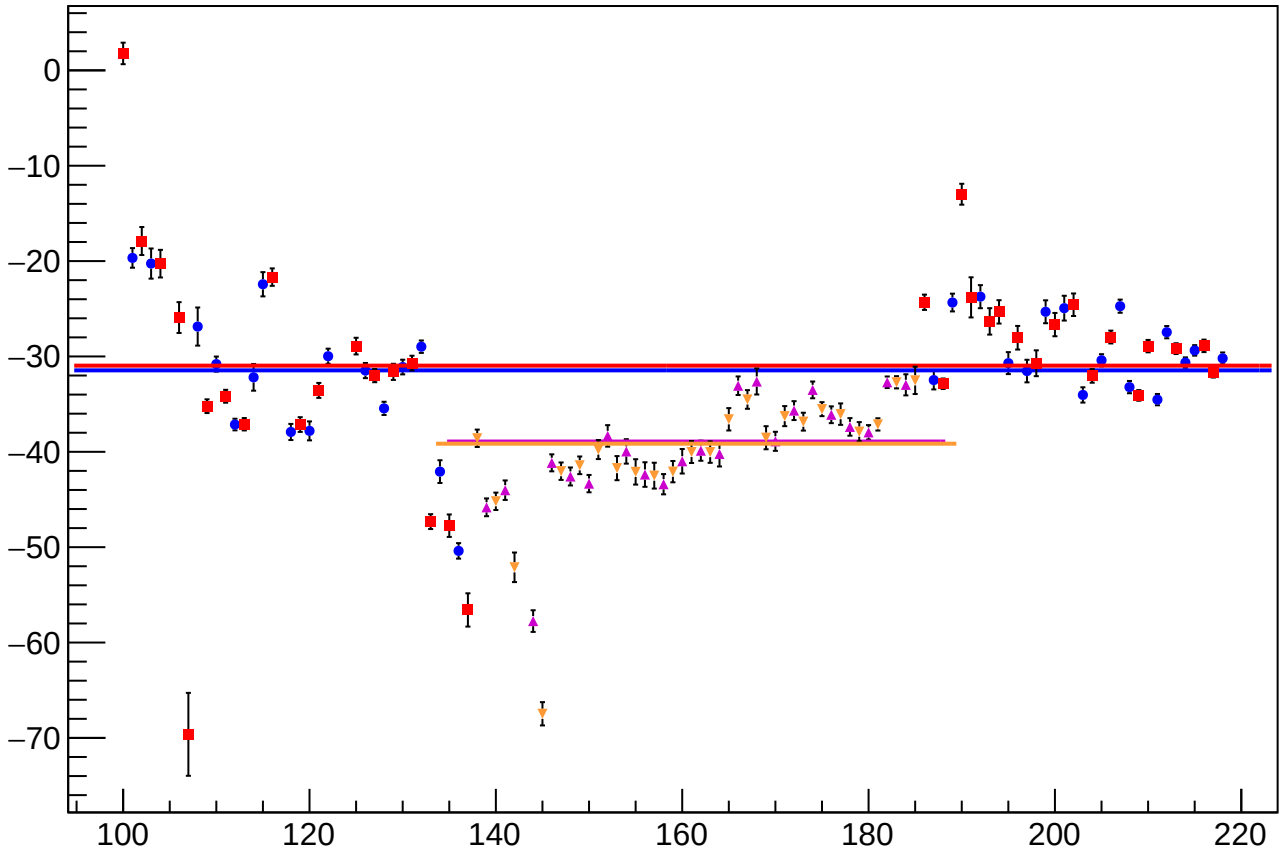
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

Right: -19.974+/-0.007 χ^2/NDF: 106288.0/66

In: -19.935+/-0.006 χ^2/NDF:165306.2/54

Out: -20.127+/-0.006 χ^2/NDF:232220.3/58

All: -20.031+/-0.004 χ^2/NDF: 398006.1/113



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: -30.964+/-0.141 χ^2/NDF: 2781.9/34

Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

Left: -39.036+/-0.144 χ^2/NDF: 1583.8/46

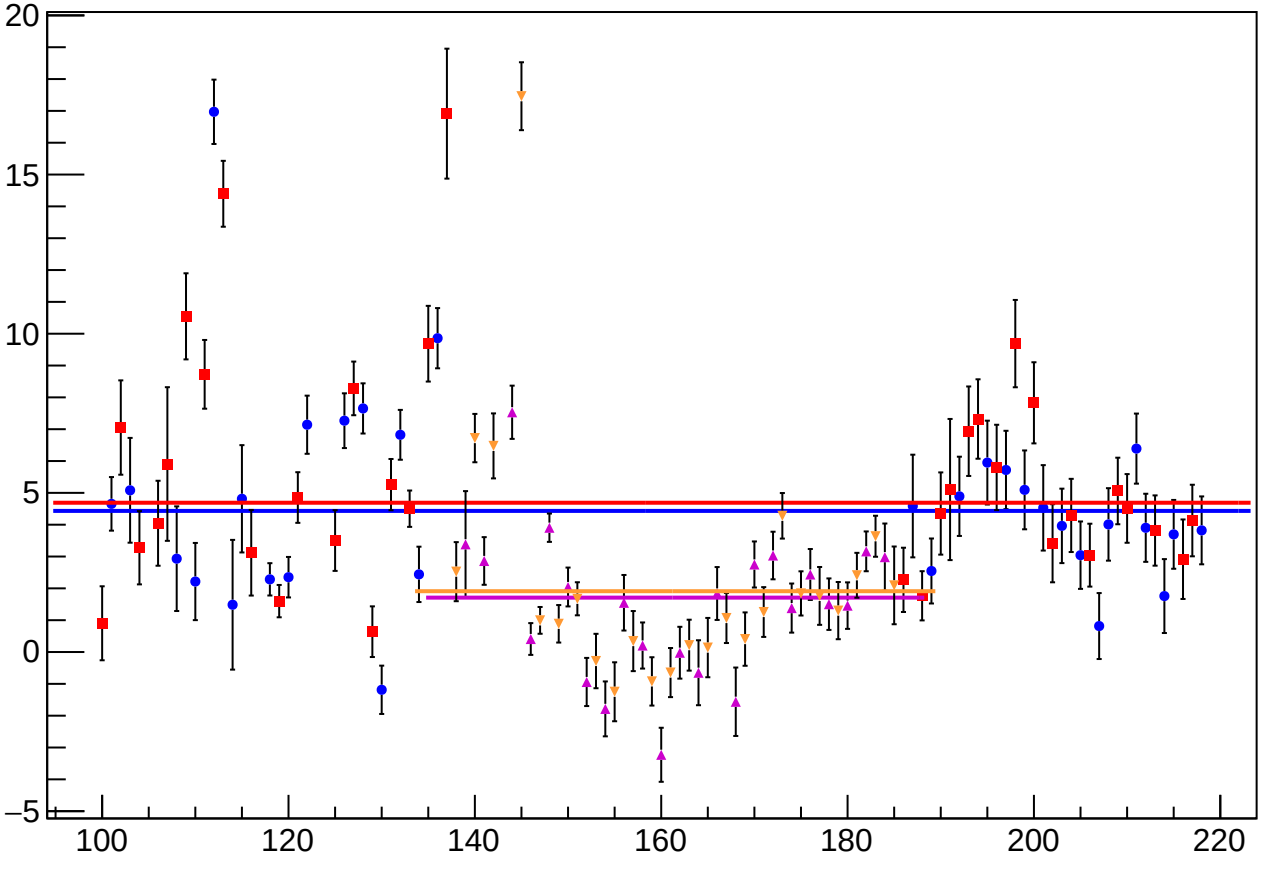
Right: -31.209+/-0.100 χ^2/NDF: 4240.2/66

In: -33.898+/-0.116 χ^2/NDF:3039.4/54

Out: -33.635+/-0.116 χ^2/NDF:4781.5/58

All: -33.766+/-0.082 χ^2/NDF: 7823.5/113

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 4.690+/-0.173 χ^2/NDF: 328.2/34

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

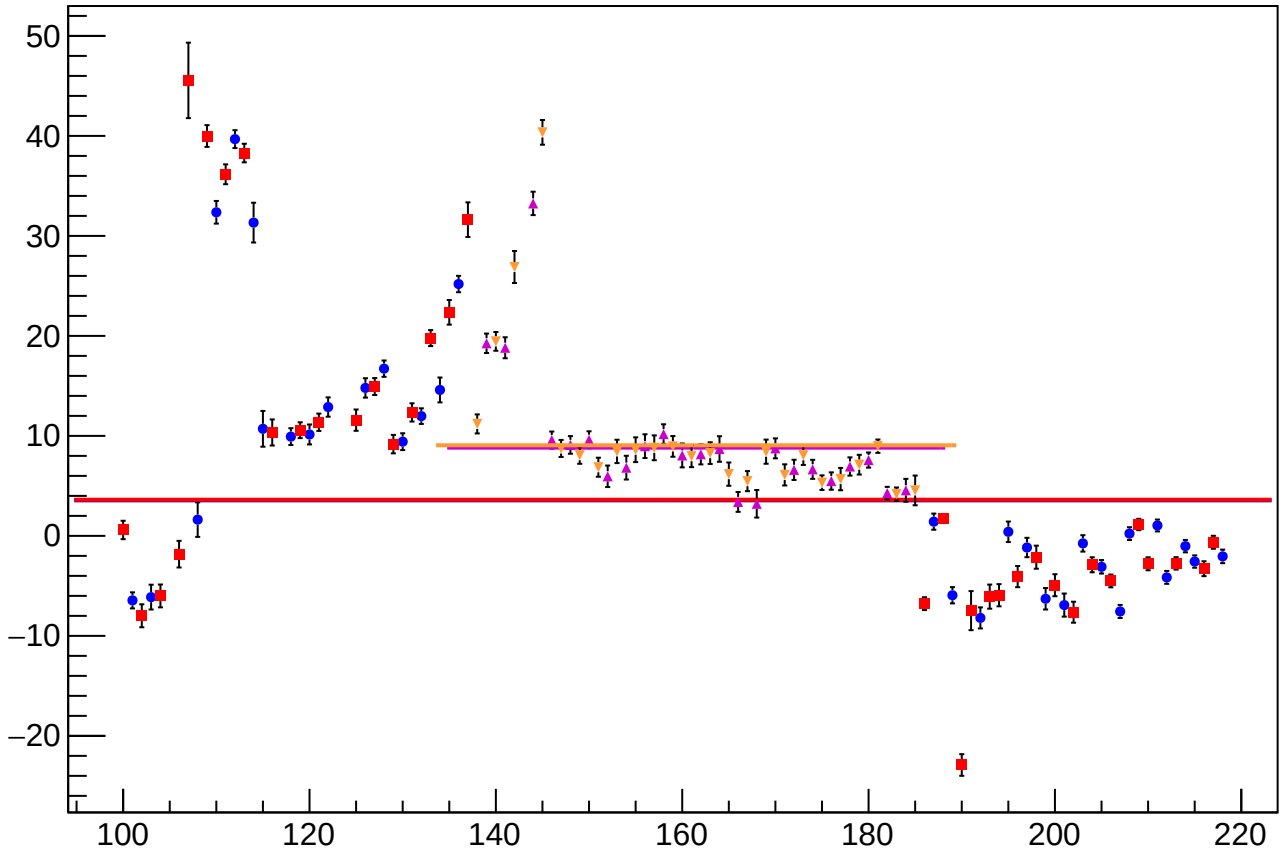
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.563+/-0.123 χ^2/NDF: 687.0/66

In: 2.907+/-0.116 χ^2/NDF:676.2/54

Out: 3.127+/-0.114 χ^2/NDF:832.9/58

All: 3.018+/-0.081 χ^2/NDF: 1510.9/113



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: 3.616+/-0.146 χ^2/NDF: 7245.8/34

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

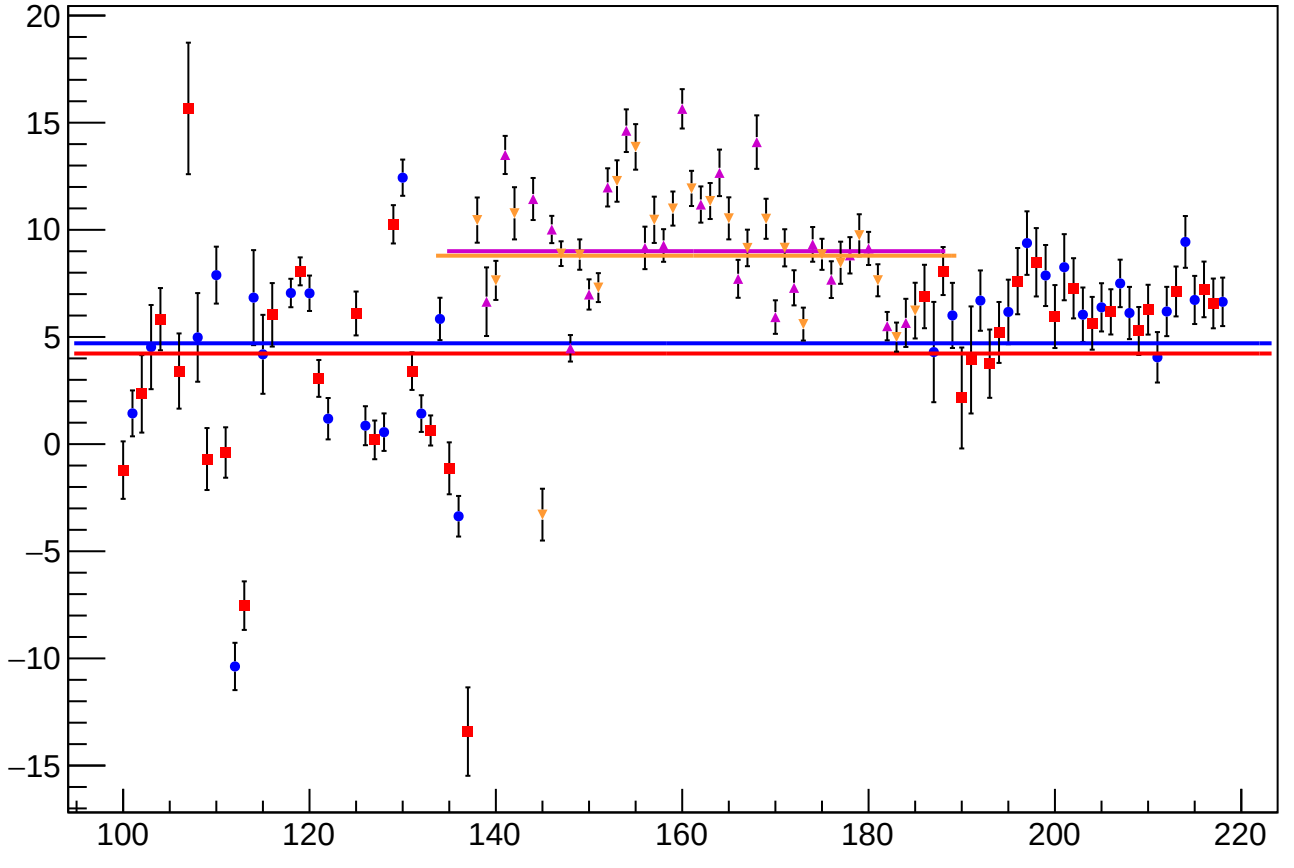
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 3.586+/-0.104 χ^2/NDF: 12771.5/66

In: 5.415+/-0.120 χ^2/NDF:6768.3/54

Out: 5.496+/-0.118 χ^2/NDF:8760.5/58

All: 5.456+/-0.084 χ^2/NDF: 15529.1/113



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: 4.228+/-0.200 χ^2/NDF: 452.6/34

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

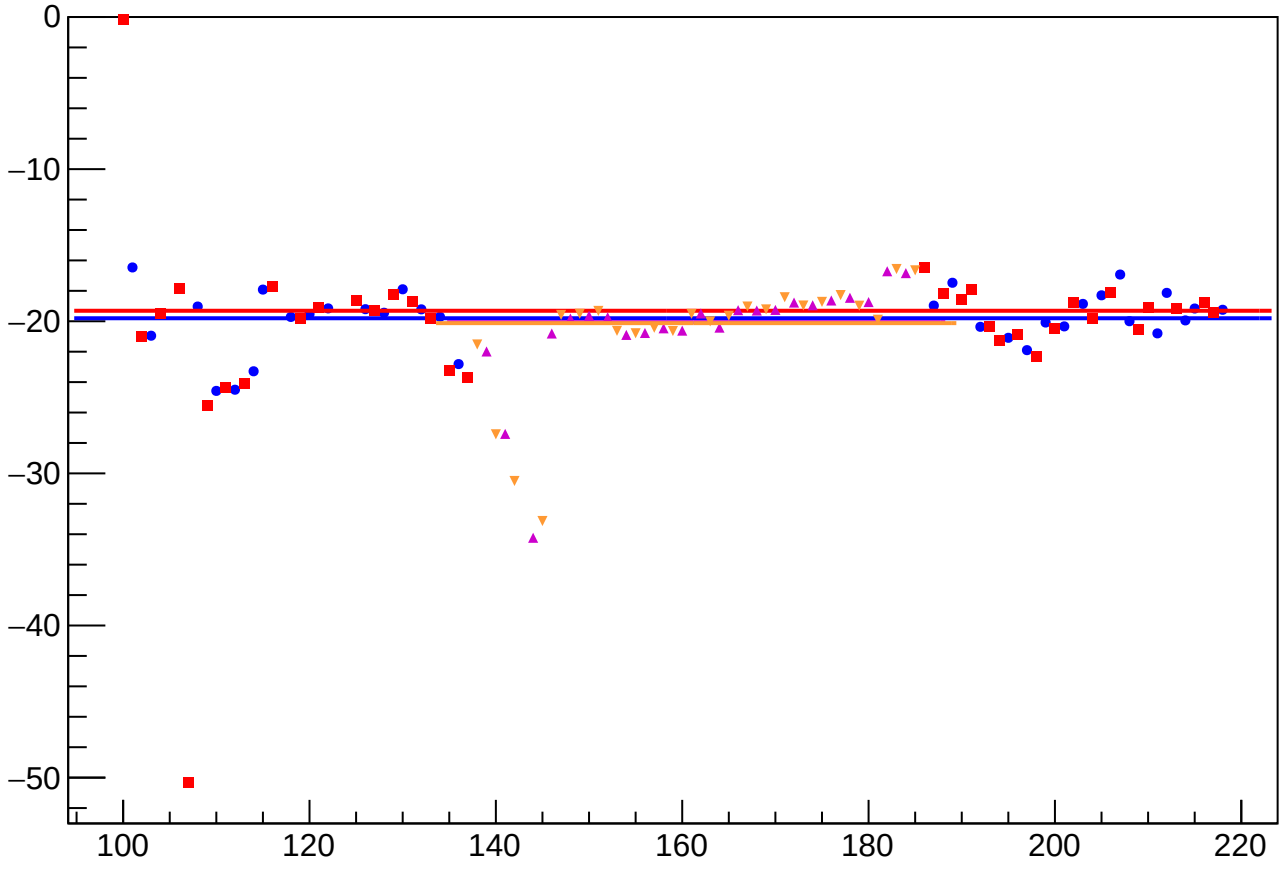
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 4.467+/-0.141 χ^2/NDF: 962.9/66

In: 7.126+/-0.132 χ^2/NDF:1057.6/54

Out: 6.827+/-0.131 χ^2/NDF:993.4/58

All: 6.976+/-0.093 χ^2/NDF: 2053.7/113



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: -19.310+/-0.010 χ^2/NDF: 248154.0/34

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

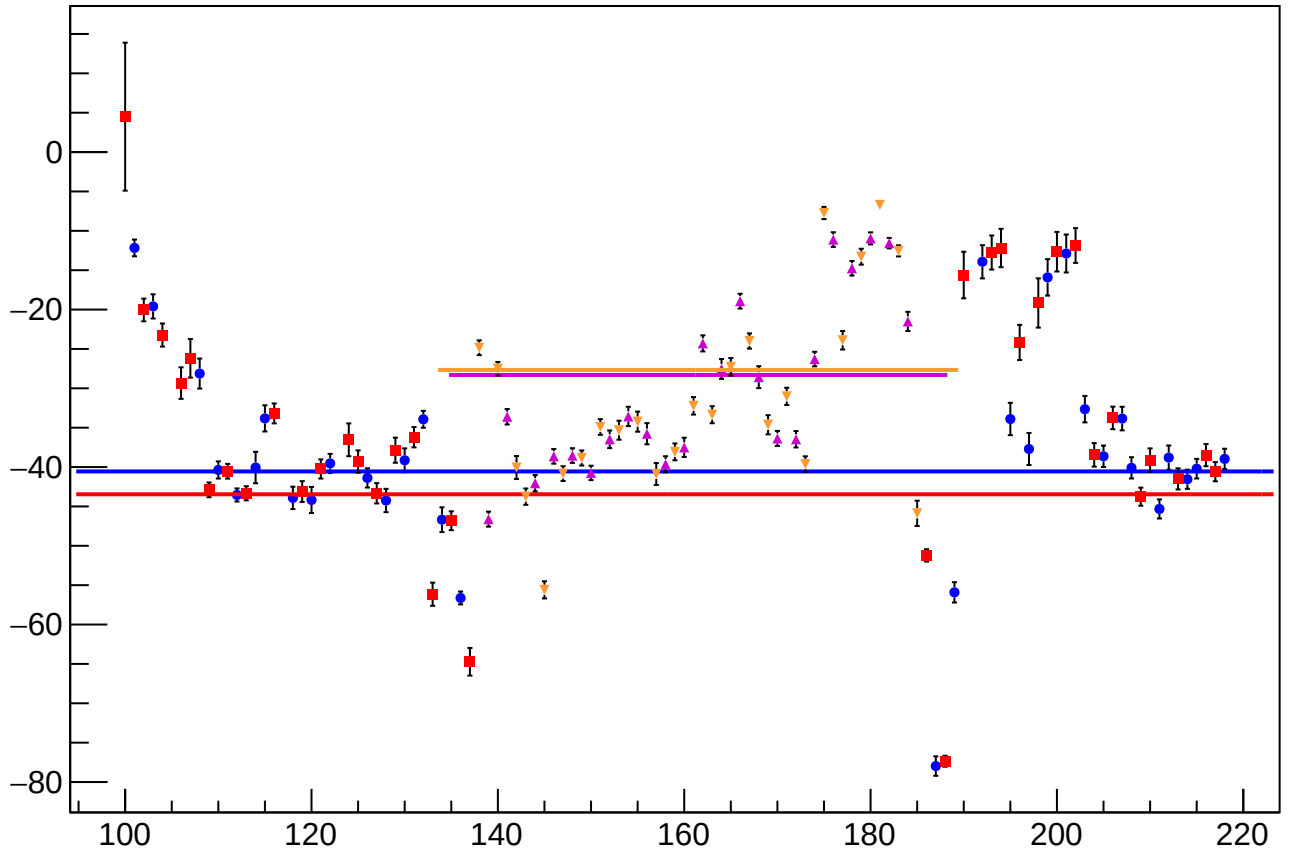
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.551+/-0.007 χ^2/NDF: 281994.5/66

In: -19.963+/-0.006 χ^2/NDF:165711.1/54

Out: -19.801+/-0.006 χ^2/NDF:410890.4/58

All: -19.882+/-0.004 χ^2/NDF: 576941.8/113



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: -43.455+/-0.227 χ^2/NDF: 4457.2/34

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

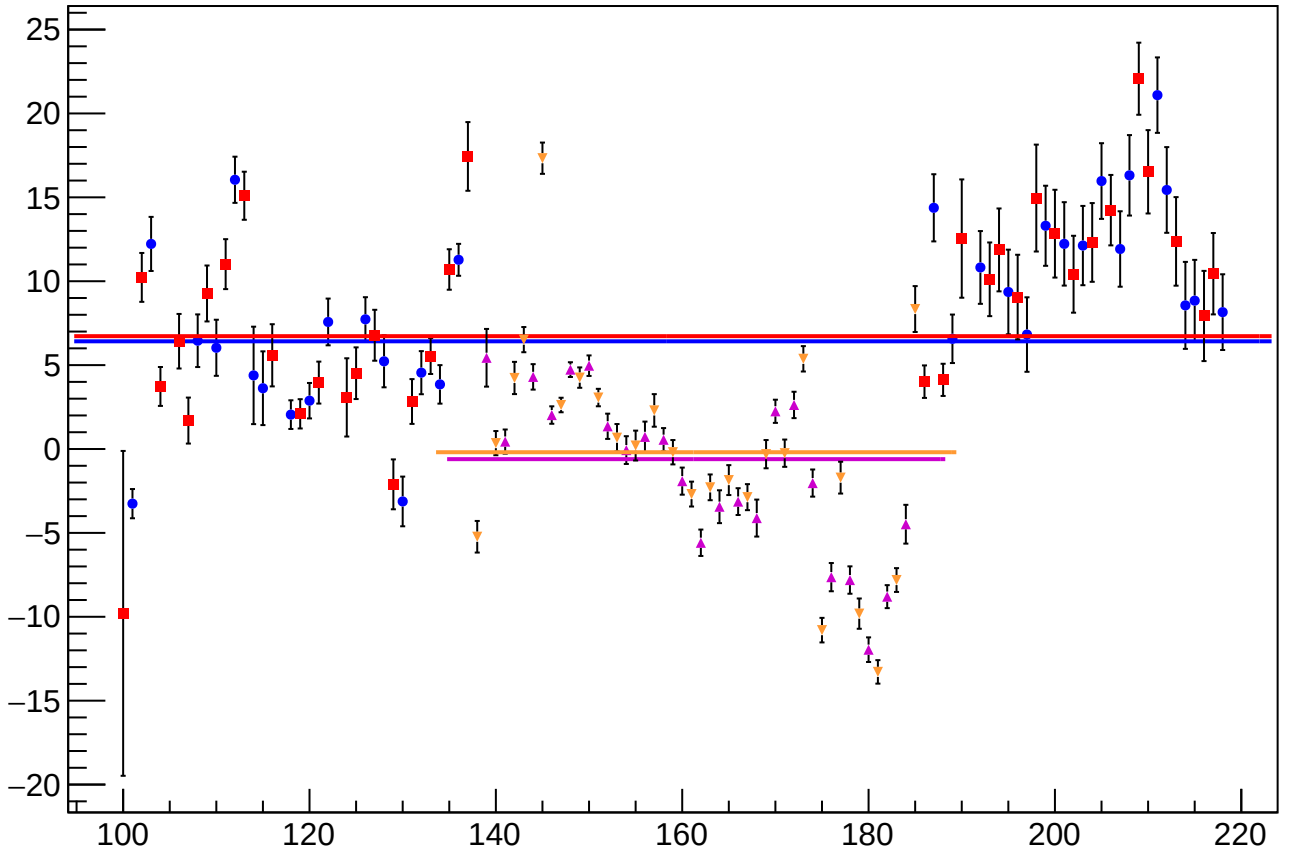
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -42.074+/-0.165 χ^2/NDF: 7503.9/66

In: -33.533+/-0.156 χ^2/NDF:7756.5/54

Out: -34.569+/-0.150 χ^2/NDF:11565.3/59

All: -34.069+/-0.108 χ^2/NDF: 19344.7/114



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: 6.725+/-0.268 χ^2/NDF: 327.3/34

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

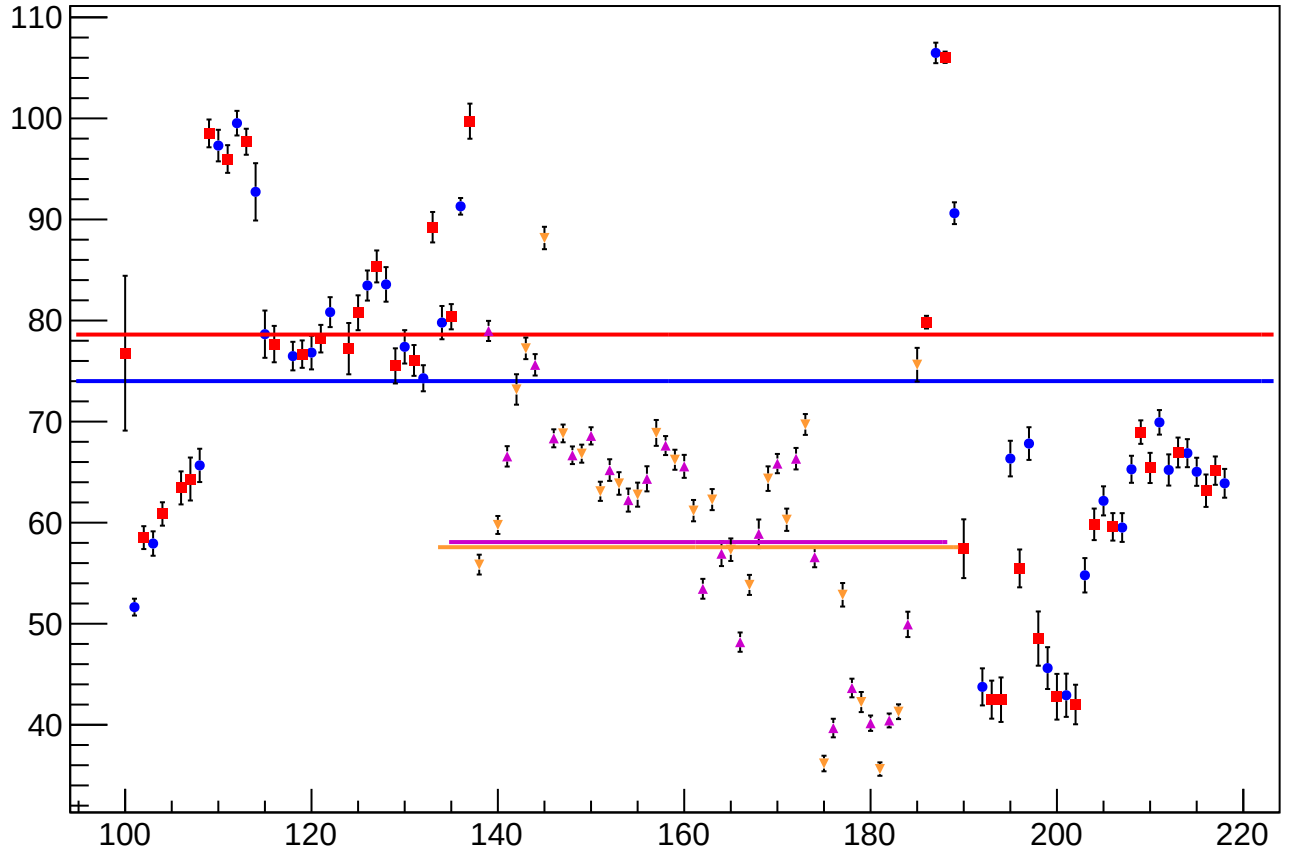
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 6.576+/-0.192 χ^2/NDF: 768.9/66

In: 1.096+/-0.135 χ^2/NDF:1911.8/54

Out: 1.464+/-0.131 χ^2/NDF:2381.0/59

All: 1.285+/-0.094 χ^2/NDF: 4296.6/114



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: 78.612+/-0.229 χ^2/NDF: 6221.9/34

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

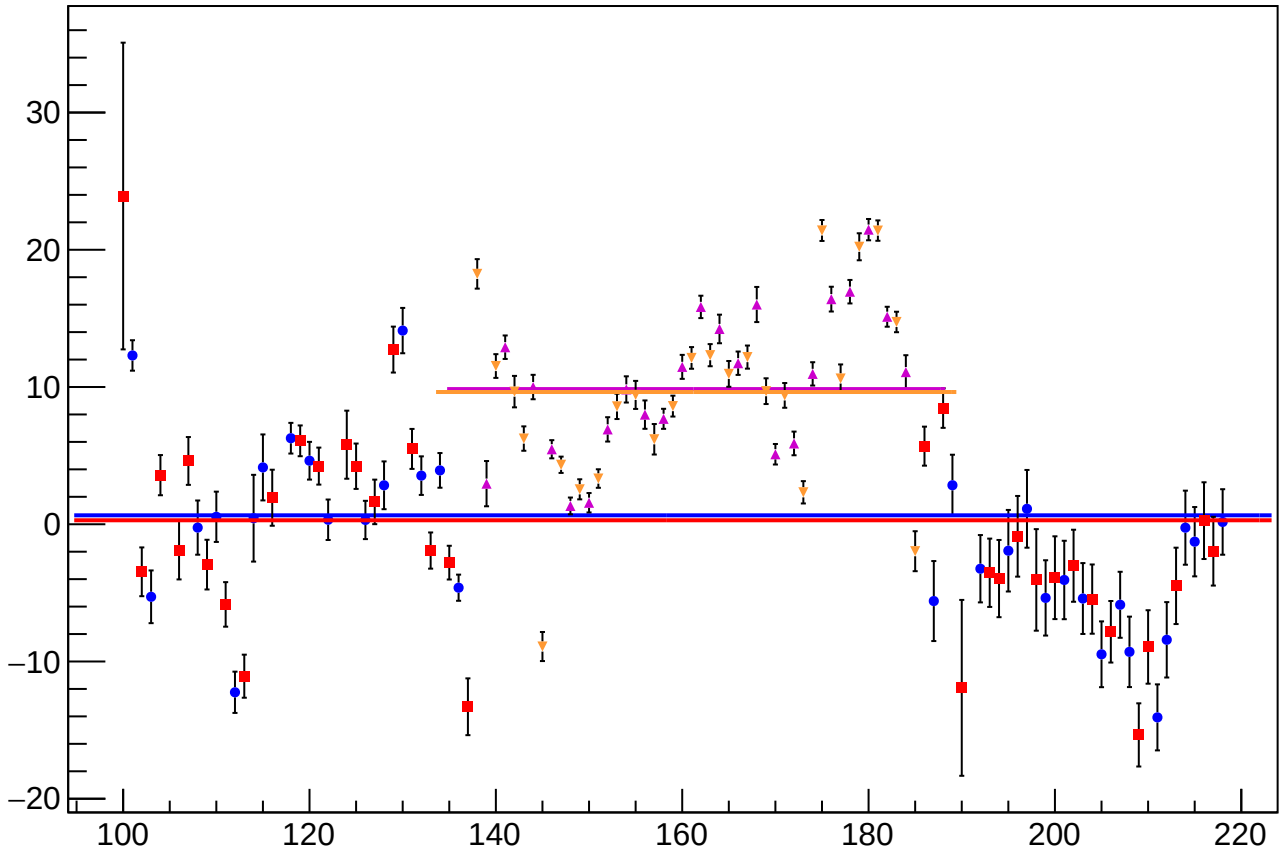
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 76.463+/-0.168 χ^2/NDF: 11072.3/66

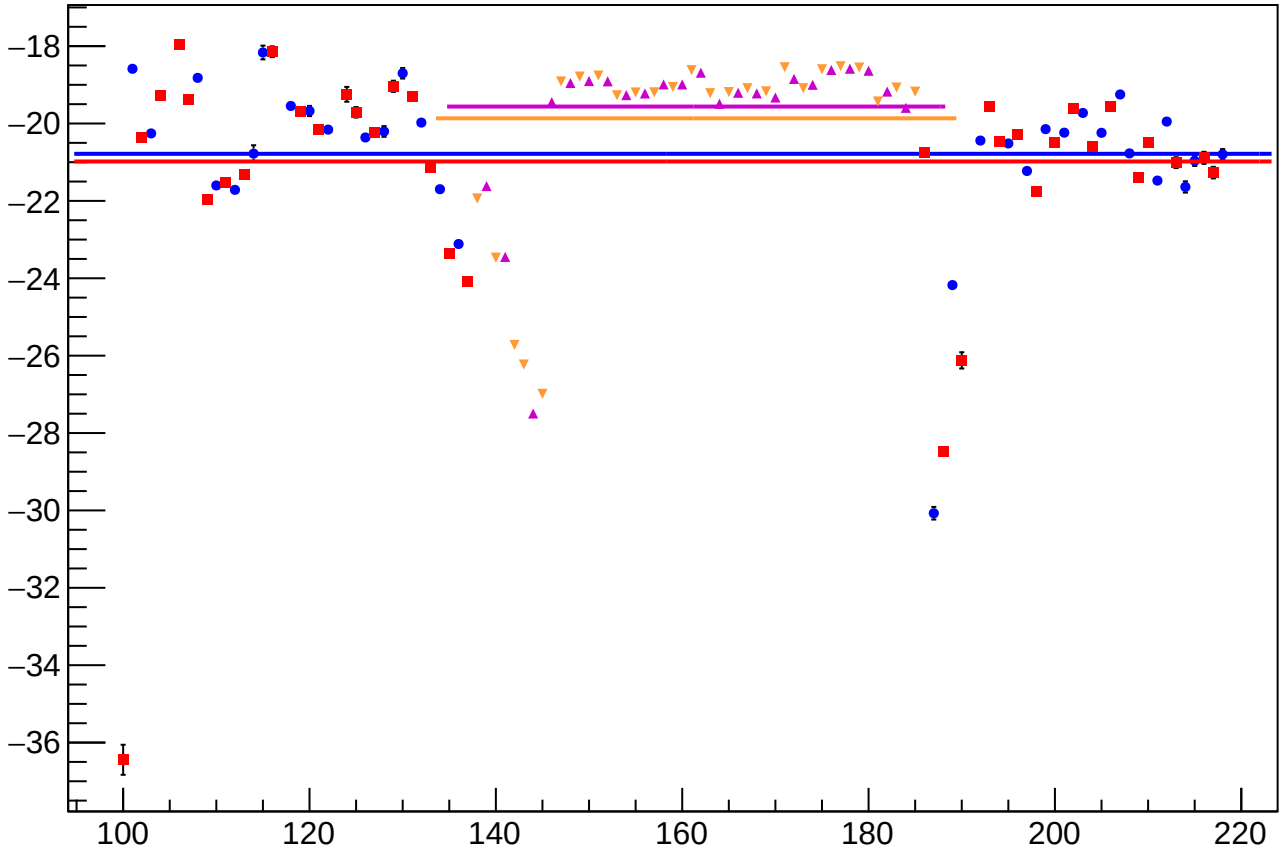
In: 64.569+/-0.157 χ^2/NDF:10717.7/54

Out: 66.602+/-0.150 χ^2/NDF:15705.6/59

All: 65.627+/-0.108 χ^2/NDF: 26510.9/114


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
220
Right In: 0.651+/-0.316 χ²/NDF: 450.2/31
Left Out: 9.636+/-0.171 χ²/NDF:1491.5/24
Right Out: 0.289+/-0.315 χ²/NDF: 398.4/34
Left In: 9.849+/-0.176 χ²/NDF:993.0/22
Left: 9.740+/-0.123 χ²/NDF: 2485.2/47
Right: 0.470+/-0.223 χ²/NDF: 849.3/66
In: 7.670+/-0.154 χ²/NDF:2088.0/54
Out: 7.504+/-0.151 χ²/NDF:2568.1/59
All: 7.585+/-0.108 χ²/NDF: 4656.7/114

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: -20.981+/-0.016 χ^2/NDF: 20705.6/34

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

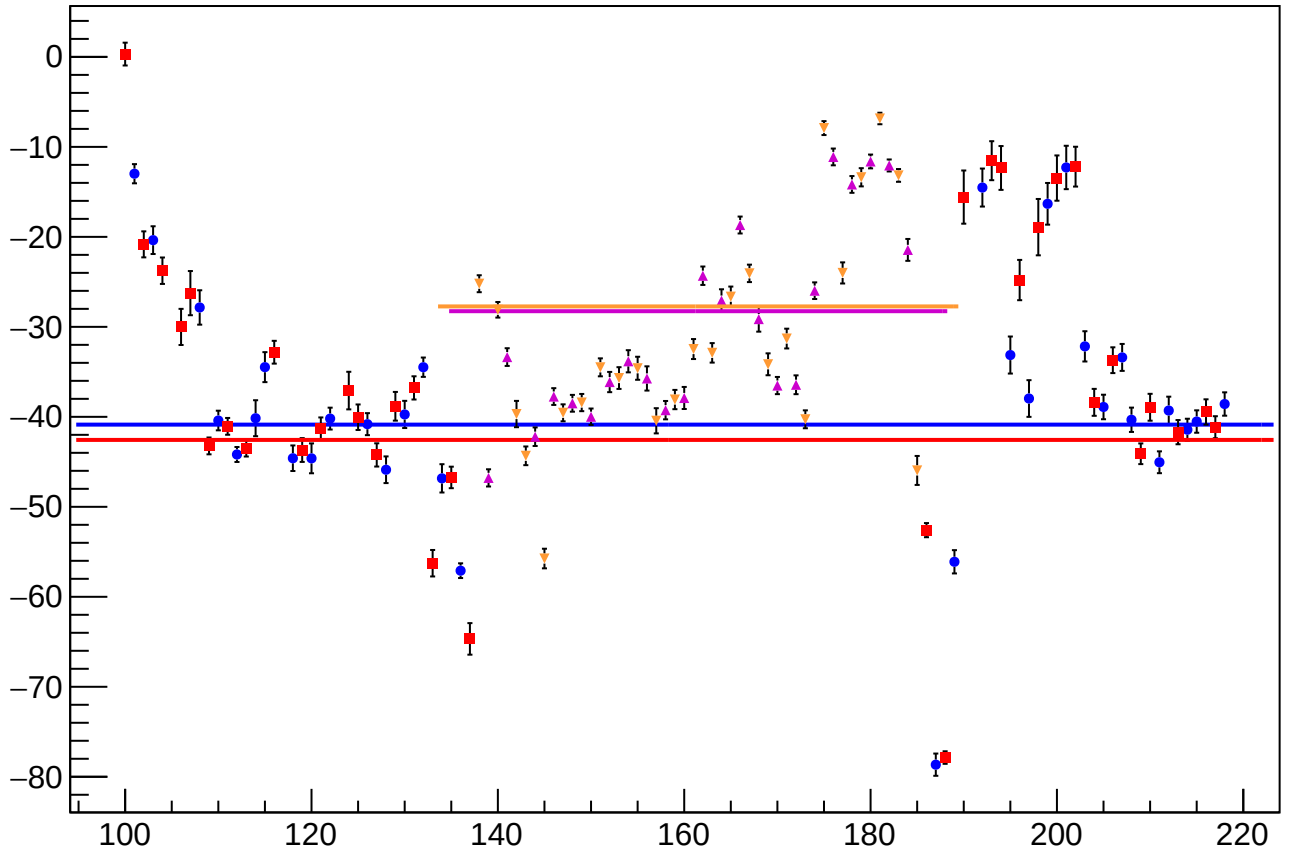
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.881+/-0.011 χ^2/NDF: 33440.8/66

In: -19.817+/-0.007 χ^2/NDF:62764.4/54

Out: -20.090+/-0.007 χ^2/NDF:103649.5/59

All: -19.955+/-0.005 χ^2/NDF: 167164.3/114



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: -42.565+/-0.224 χ^2/NDF: 5652.1/34

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

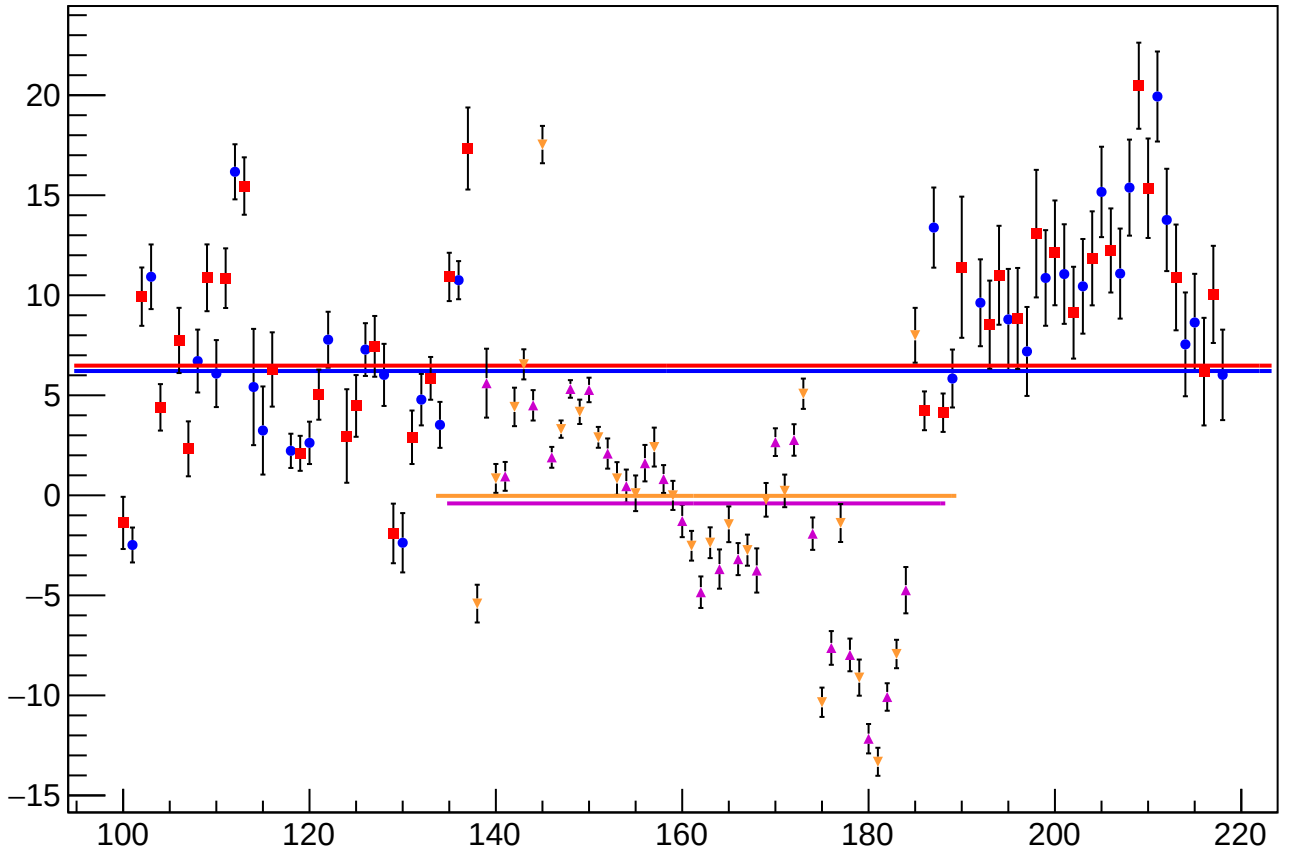
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -41.768+/-0.163 χ^2/NDF: 8654.2/66

In: -33.644+/-0.156 χ^2/NDF:7744.5/54

Out: -34.329+/-0.150 χ^2/NDF:12381.3/59

All: -34.001+/-0.108 χ^2/NDF: 20135.8/114



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: 6.483+/-0.263 χ^2/NDF: 322.5/34

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

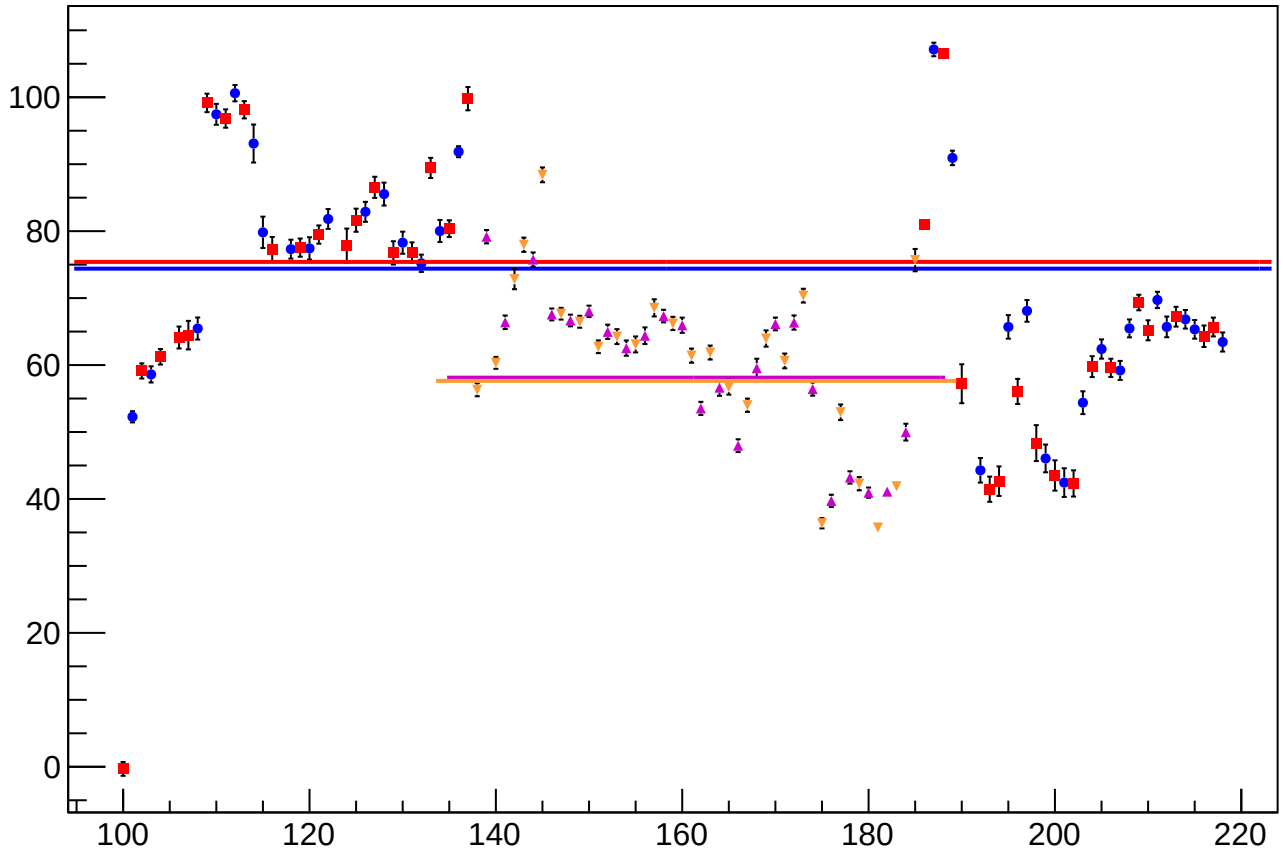
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 6.354+/-0.190 χ^2/NDF: 692.7/66

In: 1.199+/-0.135 χ^2/NDF:1892.8/54

Out: 1.580+/-0.130 χ^2/NDF:2317.1/59

All: 1.397+/-0.094 χ^2/NDF: 4214.0/114



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: 75.409+/-0.224 χ^2/NDF: 11912.5/34

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

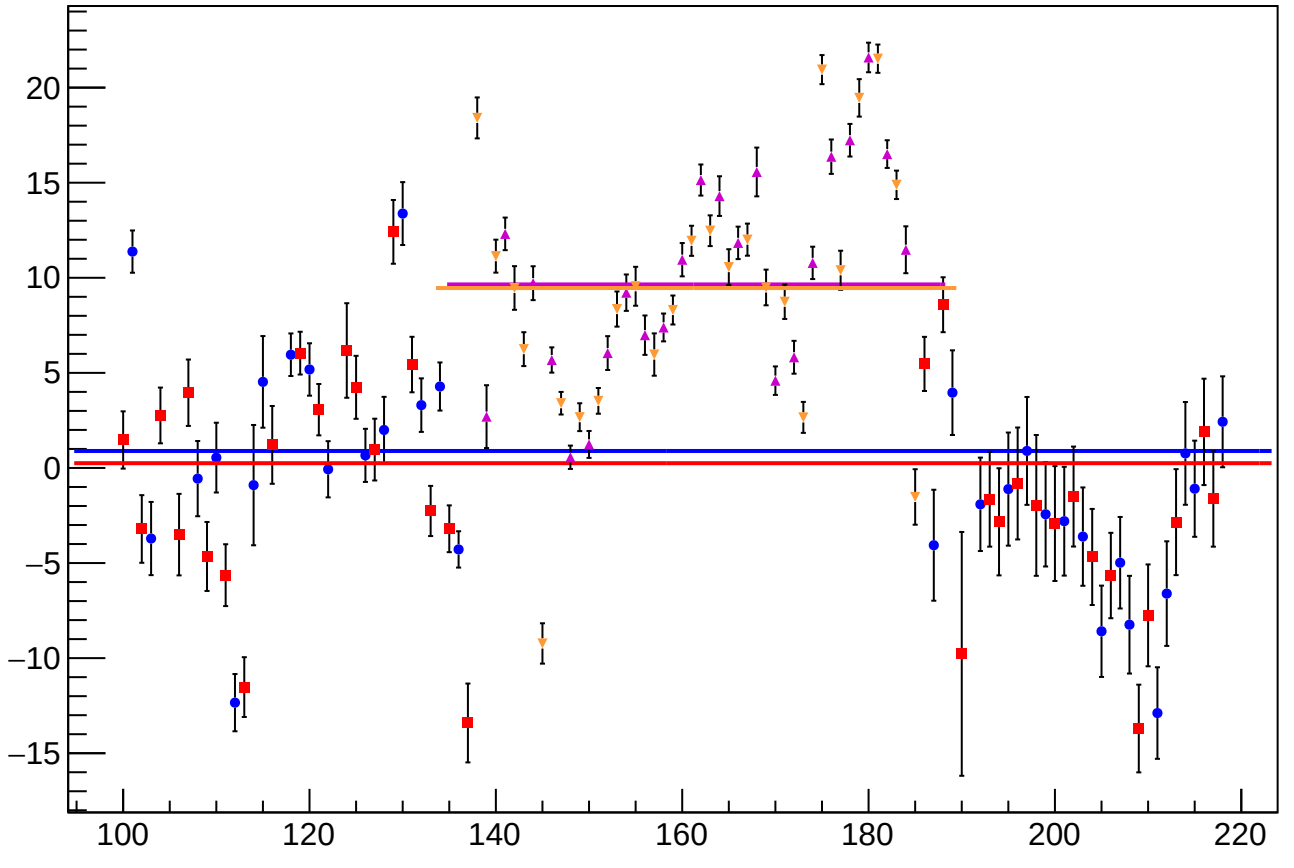
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 74.950+/-0.166 χ^2/NDF: 16664.3/66

In: 64.755+/-0.157 χ^2/NDF:10787.7/54

Out: 65.473+/-0.149 χ^2/NDF:20031.7/59

All: 65.133+/-0.108 χ^2/NDF: 30830.4/114



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: 0.251+/-0.309 χ^2/NDF: 365.9/34

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

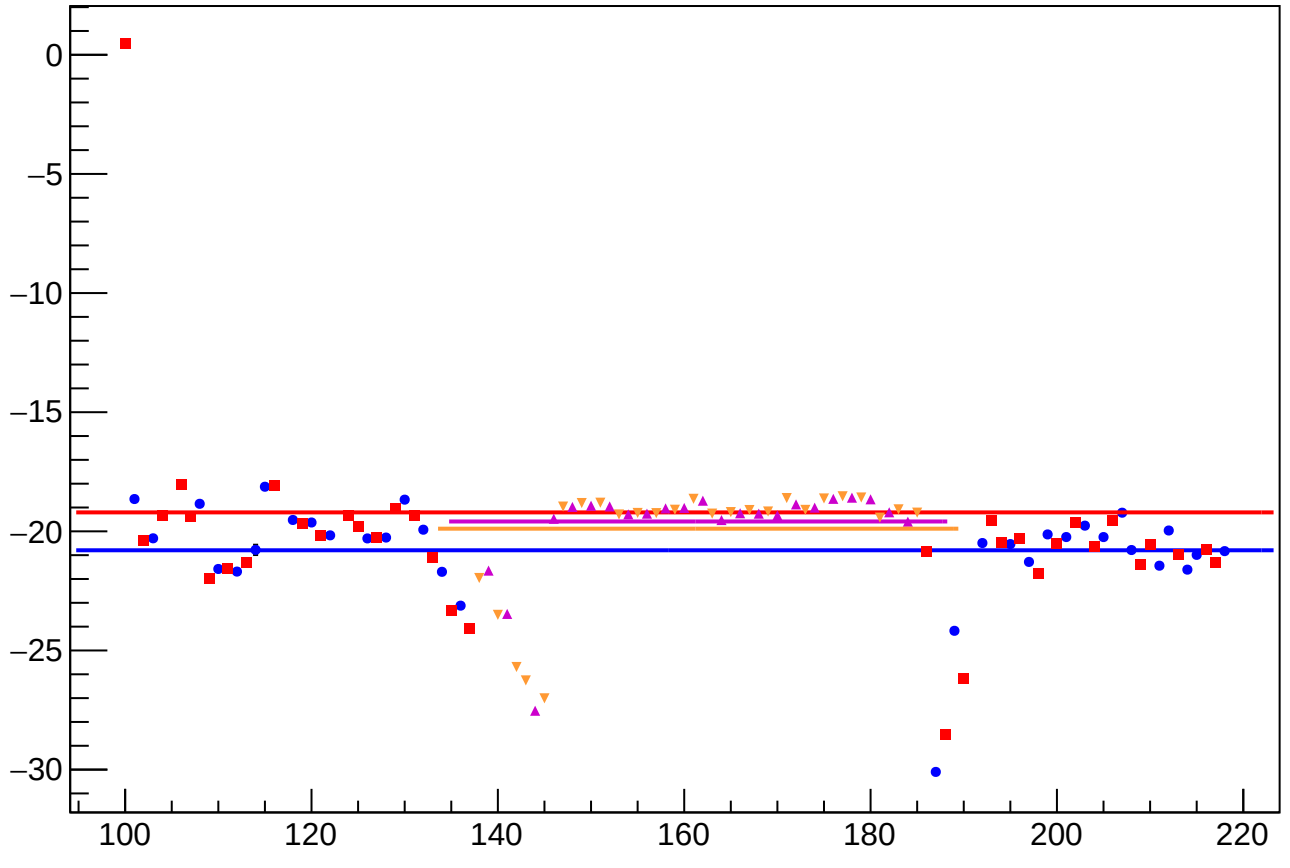
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

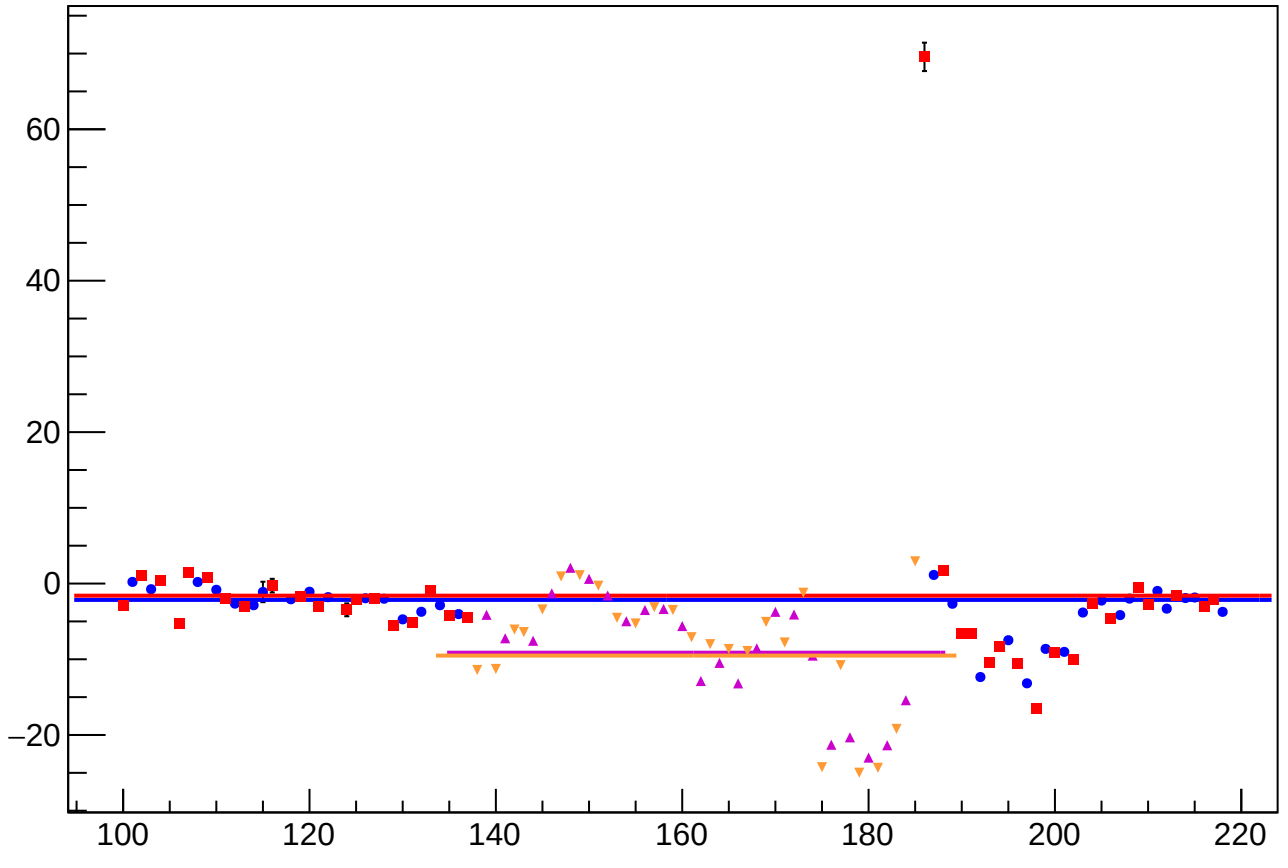
Right: 0.564+/-0.221 χ^2/NDF: 758.8/66

In: 7.574+/-0.154 χ^2/NDF:2052.2/54

Out: 7.291+/-0.150 χ^2/NDF:2527.2/59

All: 7.429+/-0.108 χ^2/NDF: 4581.2/114


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: -19.205+/-0.015 χ²/NDF: 172937.3/34
Left In: -19.586+/-0.008 χ²/NDF:45085.3/22
Left: -19.739+/-0.006 χ²/NDF: 124326.8/47
Right: -19.977+/-0.011 χ²/NDF: 190901.6/66
In: -19.839+/-0.007 χ²/NDF:62439.9/54
Out: -19.742+/-0.007 χ²/NDF:253073.2/59
All: -19.790+/-0.005 χ²/NDF: 315610.0/114



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: -1.600+/-0.044 χ^2/NDF: 6989.6/35

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

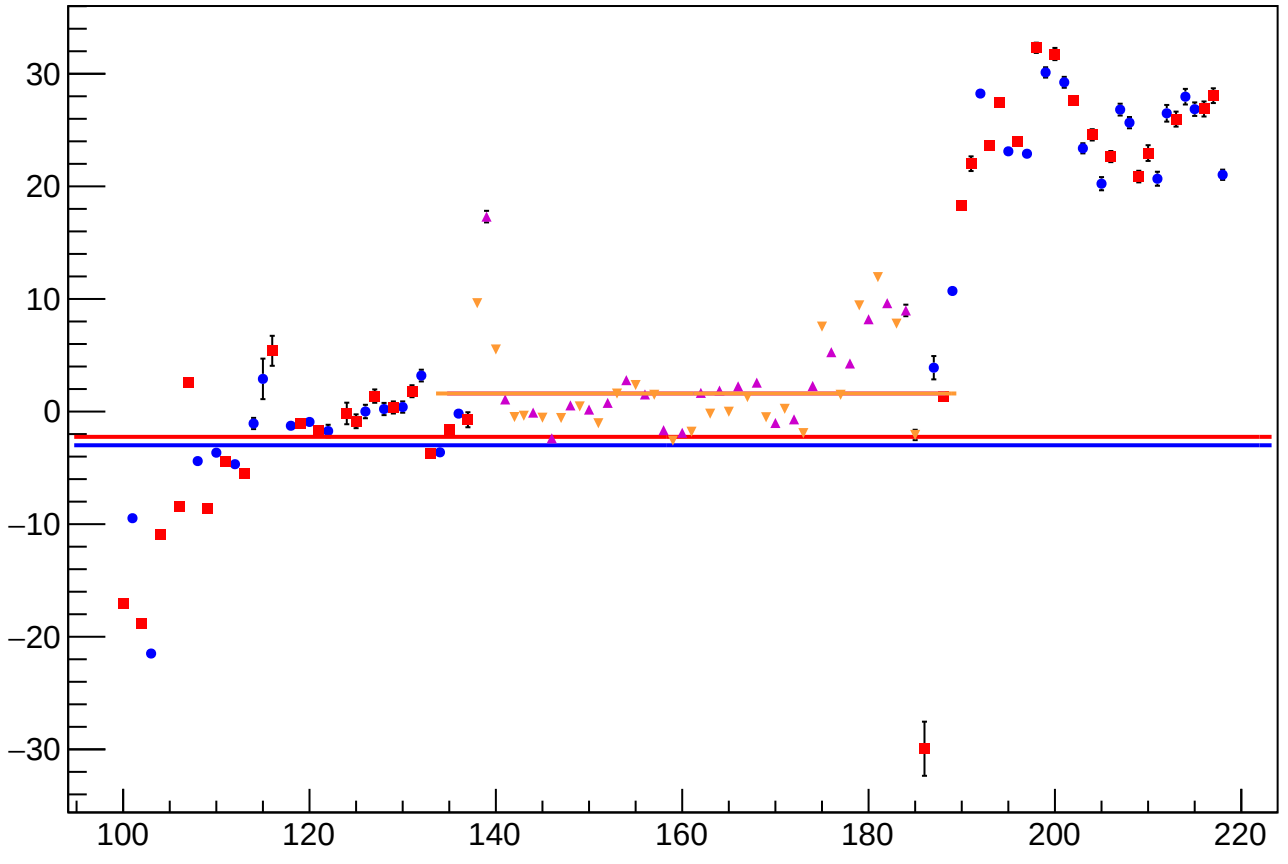
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.862+/-0.032 χ^2/NDF: 10459.2/67

In: -4.109+/-0.040 χ^2/NDF:20046.2/54

Out: -3.700+/-0.037 χ^2/NDF:28621.4/60

All: -3.893+/-0.027 χ^2/NDF: 48724.1/115



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: -2.246+/-0.051 χ^2/NDF: 72700.8/35

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

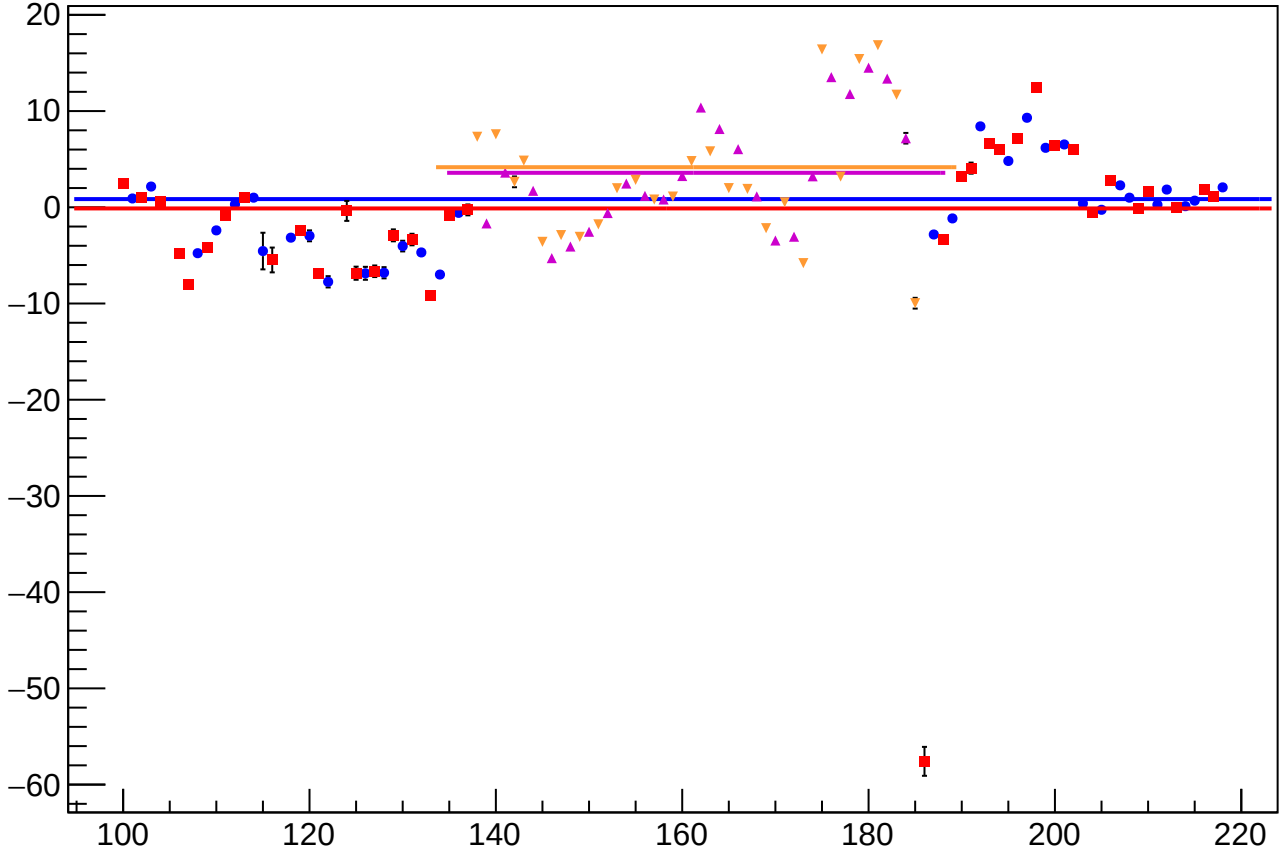
Right: -2.617+/-0.036 χ^2/NDF: 144748.8/67

In: -0.945+/-0.038 χ^2/NDF:79124.9/54

Out: -0.458+/-0.038 χ^2/NDF:79989.5/60

All: -0.696+/-0.027 χ^2/NDF: 159196.3/115

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -0.119+/-0.044 χ^2/NDF: 8264.3/35

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

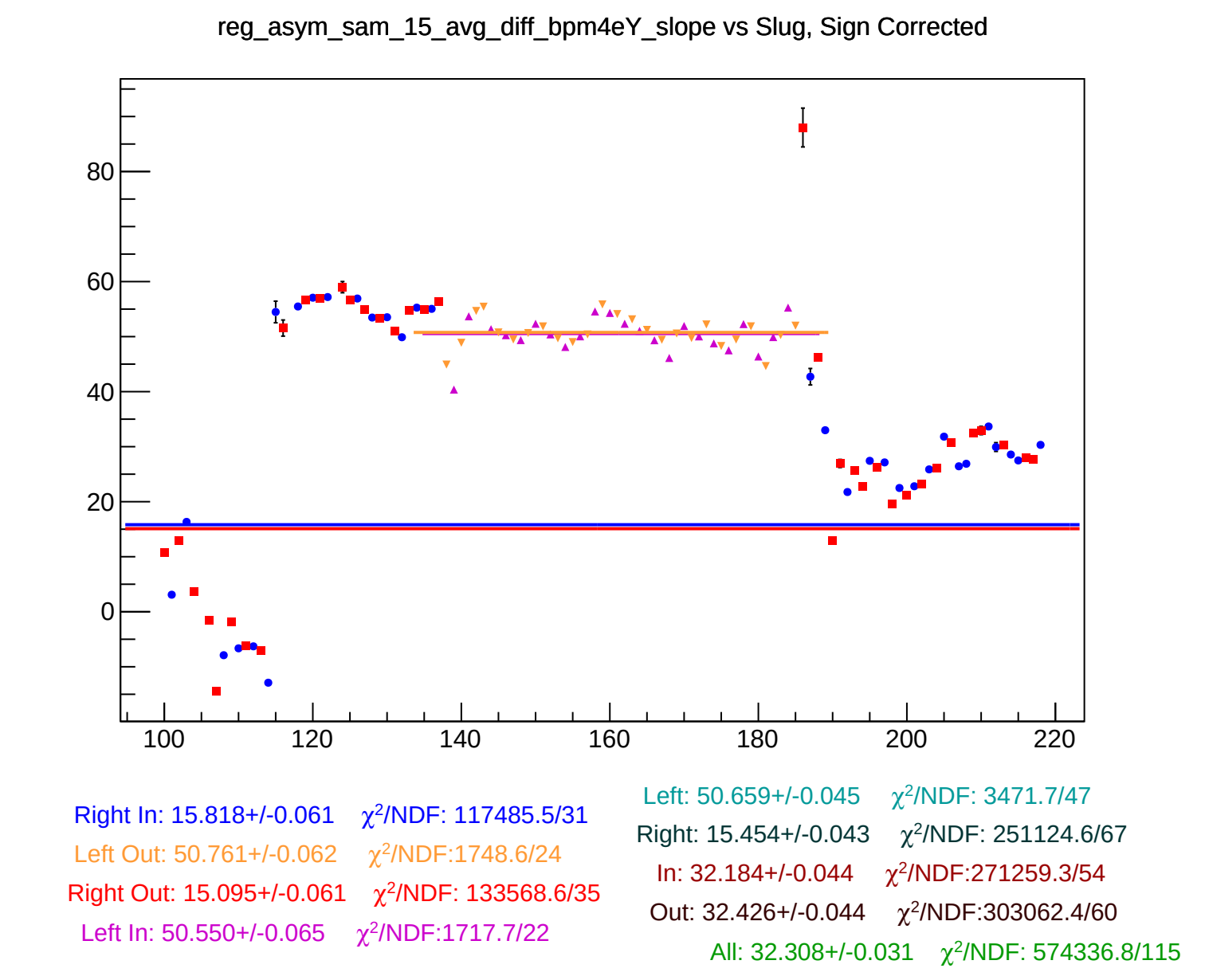
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: 0.356+/-0.032 χ^2/NDF: 12700.3/67

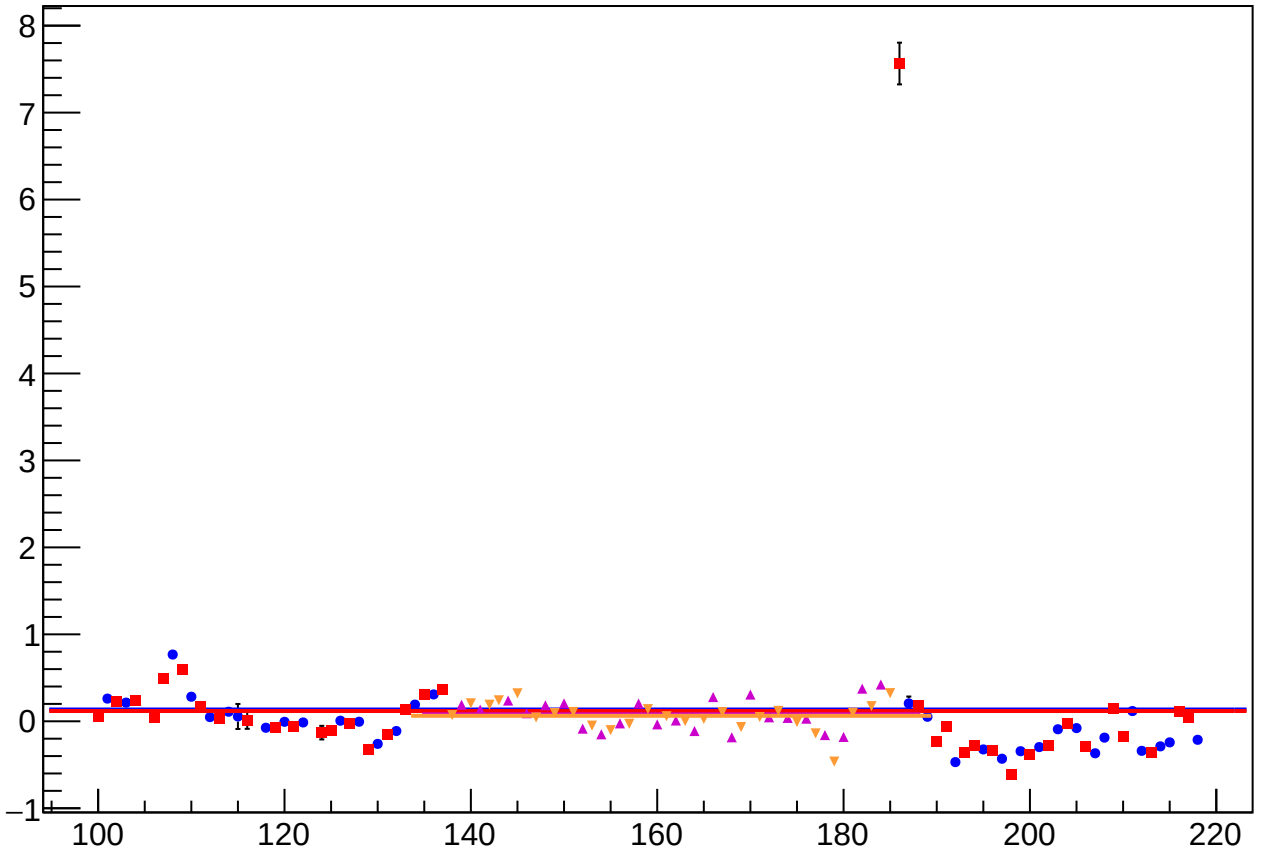
In: 1.595+/-0.039 χ^2/NDF:12421.5/54

Out: 1.054+/-0.038 χ^2/NDF:20077.4/60

All: 1.319+/-0.027 χ^2/NDF: 32599.8/115


reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
100
120
140
160
180
200
220
Right In: 15.818+/-0.061 χ²/NDF: 117485.5/31
Left Out: 50.761+/-0.062 χ²/NDF:1748.6/24
Right Out: 15.095+/-0.061 χ²/NDF: 133568.6/35
Left In: 50.550+/-0.065 χ²/NDF:1717.7/22
Left: 50.659+/-0.045 χ²/NDF: 3471.7/47
Right: 15.454+/-0.043 χ²/NDF: 251124.6/67
In: 32.184+/-0.044 χ²/NDF:271259.3/54
Out: 32.426+/-0.044 χ²/NDF:303062.4/60
All: 32.308+/-0.031 χ²/NDF: 574336.8/115

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: 0.118+/-0.002 χ^2/NDF: 13207.8/35

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

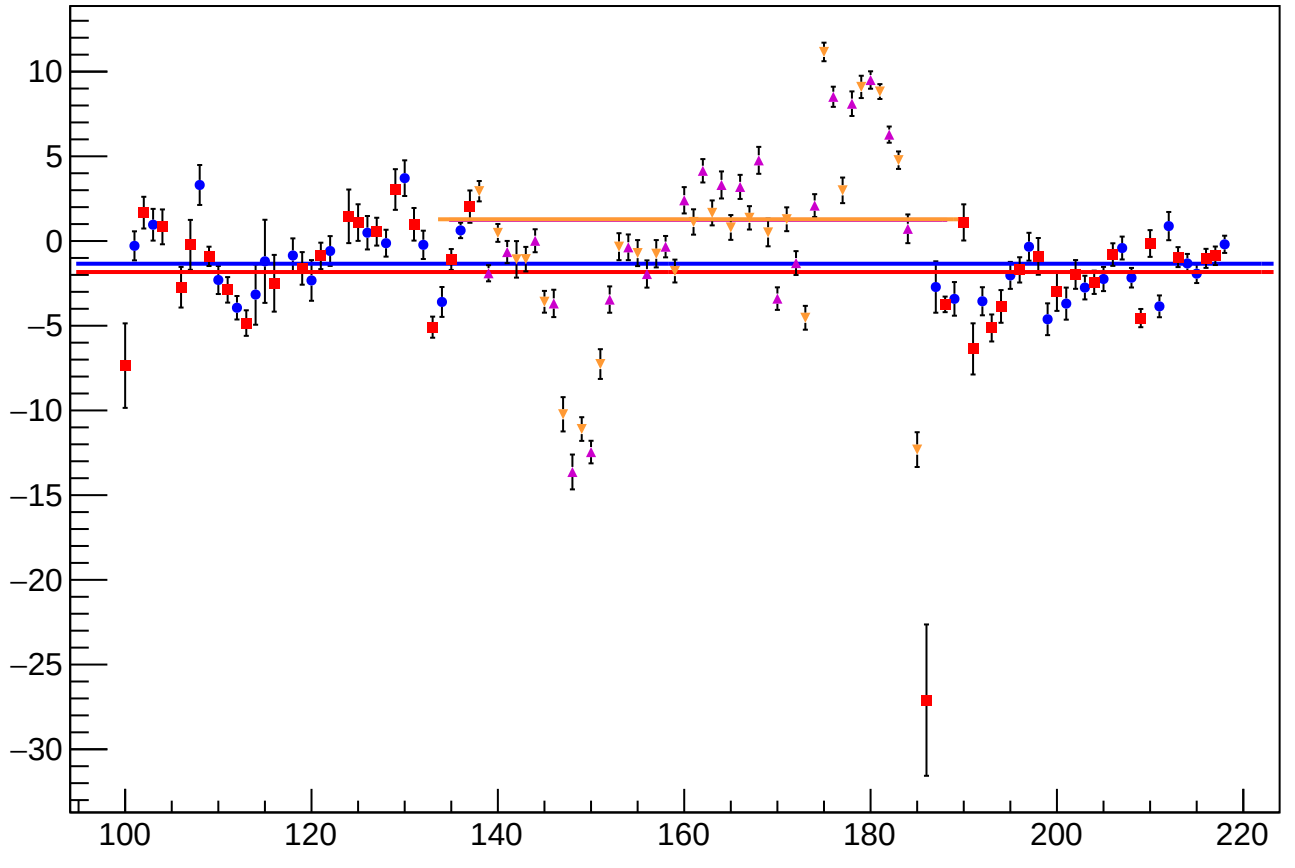
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.127+/-0.002 χ^2/NDF: 27324.9/67

In: 0.112+/-0.002 χ^2/NDF:17761.6/54

Out: 0.095+/-0.002 χ^2/NDF:15998.2/60

All: 0.103+/-0.001 χ^2/NDF: 33800.7/115



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: -1.830+/-0.133 χ^2/NDF: 269.7/35

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

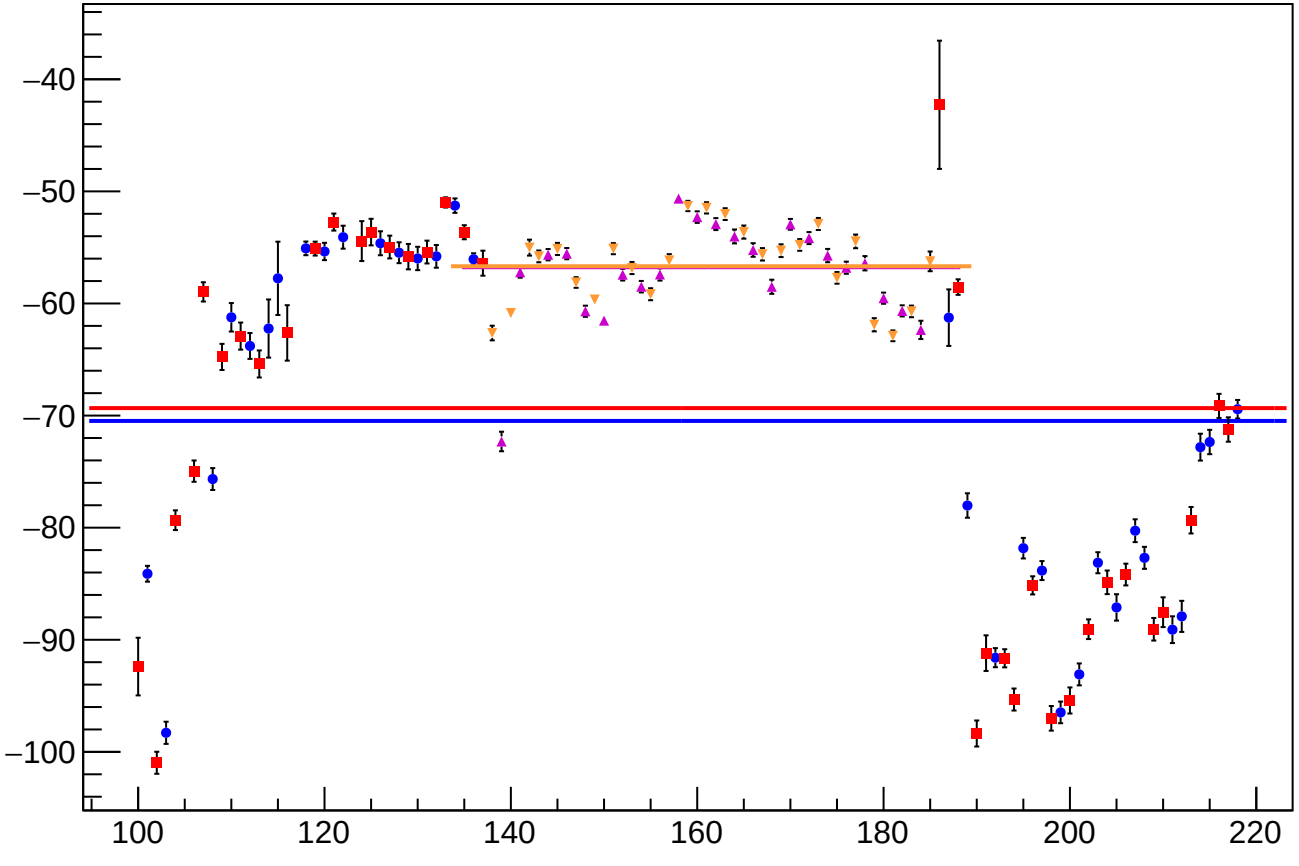
Right: -1.593+/-0.096 χ^2/NDF: 444.1/67

In: -0.073+/-0.098 χ^2/NDF:1853.4/54

Out: -0.316+/-0.096 χ^2/NDF:2250.7/60

All: -0.198+/-0.068 χ^2/NDF: 4107.2/115

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -69.333+/-0.159 χ^2/NDF: 11299.9/35

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

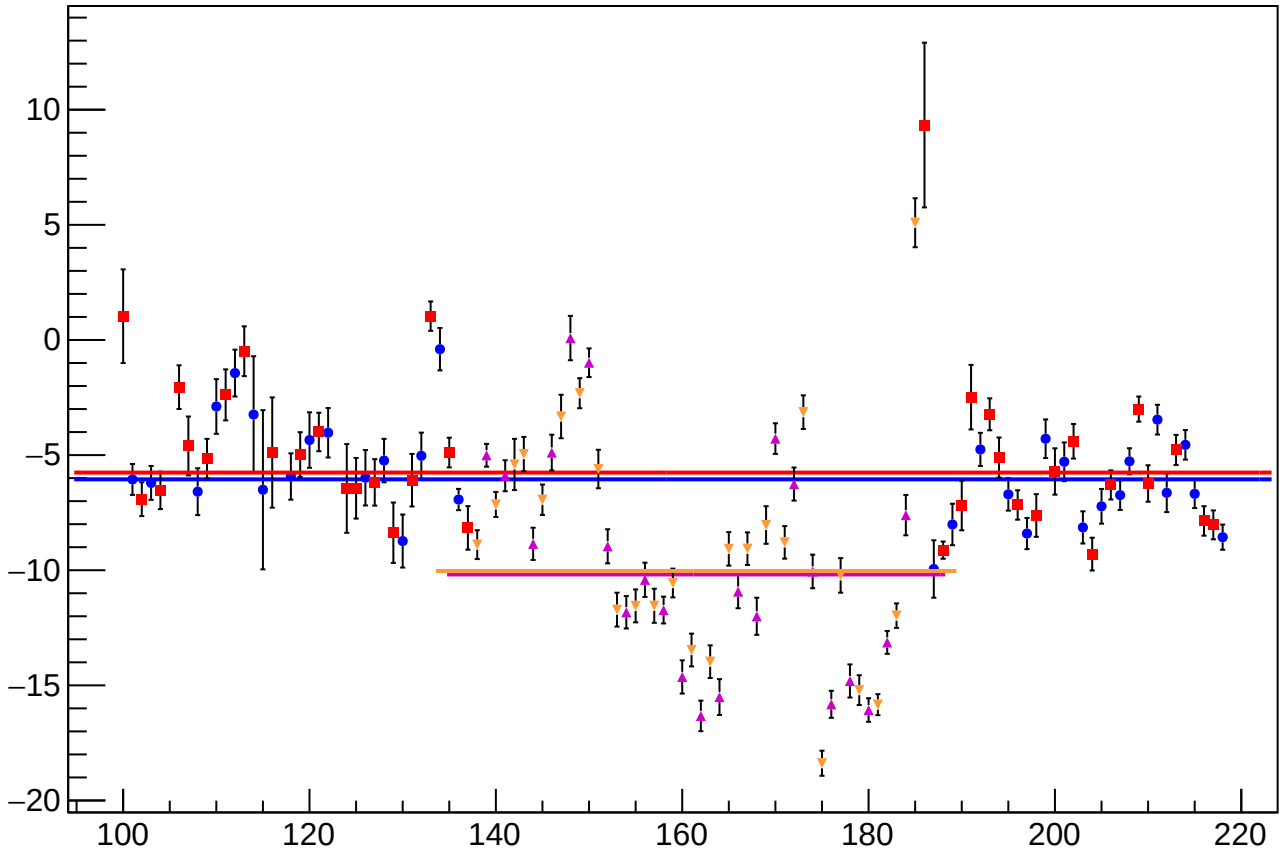
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -69.879+/-0.115 χ^2/NDF: 19782.0/67

In: -61.030+/-0.093 χ^2/NDF:14231.9/54

Out: -60.636+/-0.089 χ^2/NDF:16668.9/60

All: -60.824+/-0.064 χ^2/NDF: 30910.2/115



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: -5.759+/-0.134 χ^2/NDF: 405.5/35

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

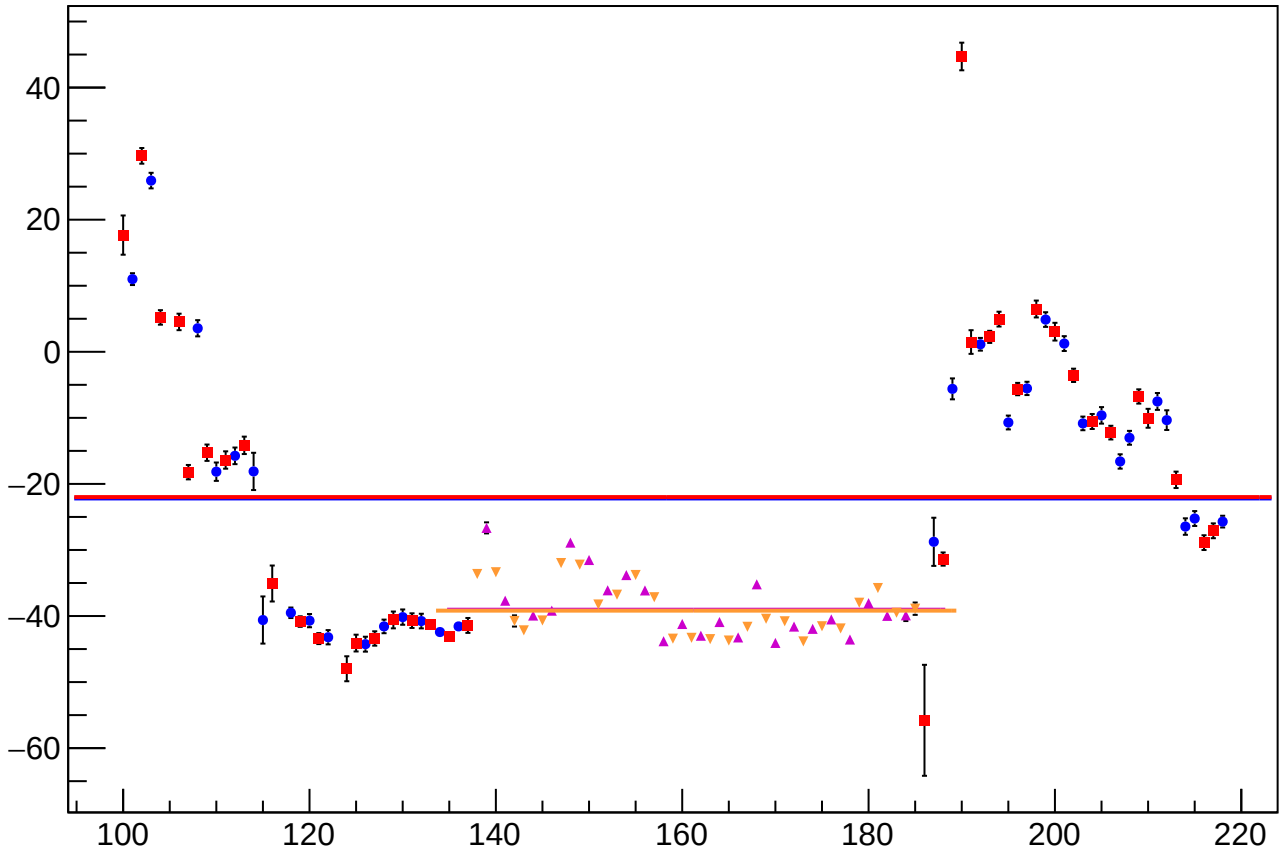
Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

Right: -5.900+/-0.097 χ^2/NDF: 585.7/67

In: -8.126+/-0.099 χ^2/NDF:1759.8/54

Out: -7.868+/-0.096 χ^2/NDF:2087.0/60

All: -7.993+/-0.069 χ^2/NDF: 3850.4/115



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: -21.995+/-0.183 χ^2/NDF: 13009.4/35

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

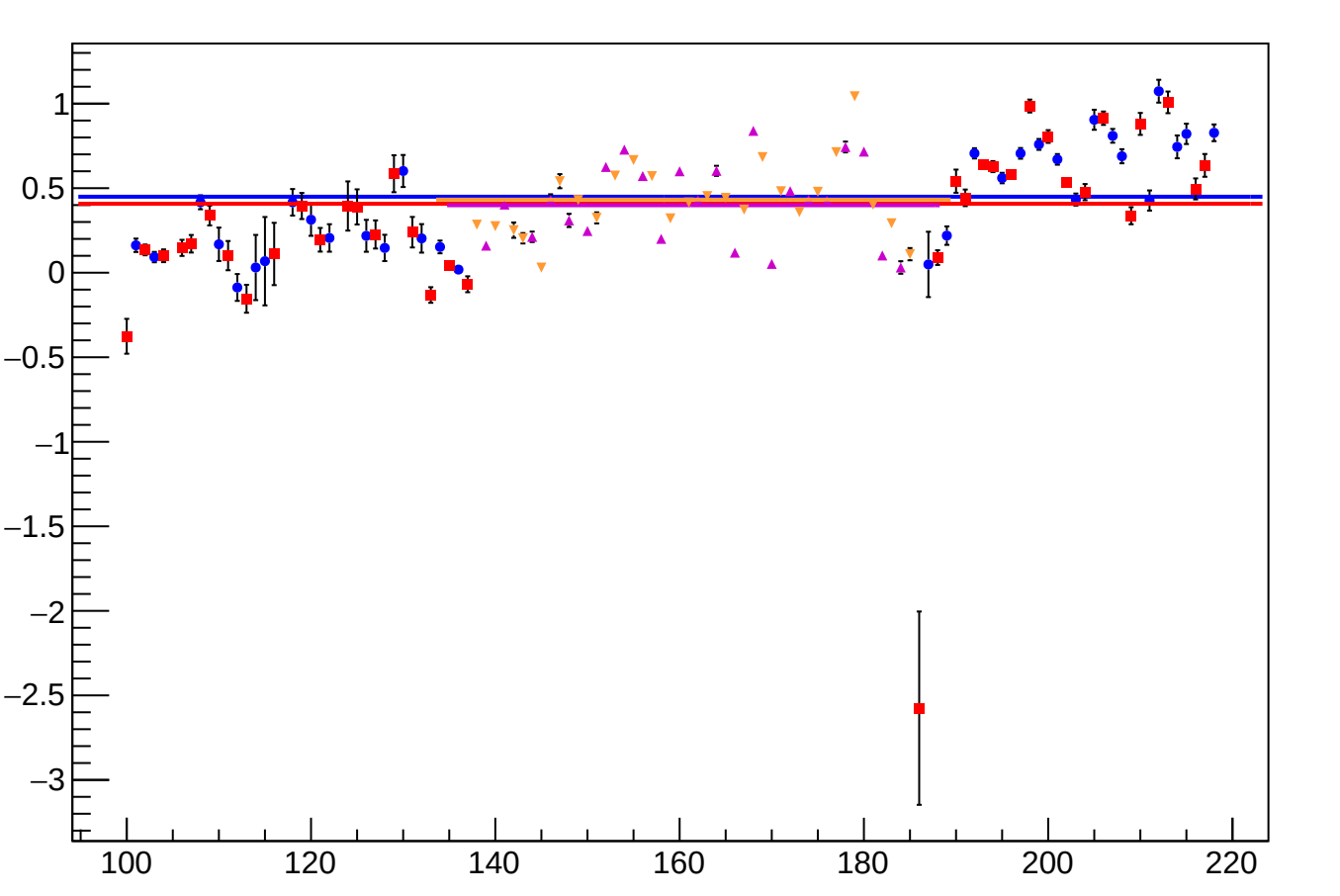
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -22.094+/-0.131 χ^2/NDF: 23761.6/67

In: -33.934+/-0.104 χ^2/NDF:17554.2/54

Out: -34.018+/-0.100 χ^2/NDF:20207.6/60

All: -33.978+/-0.072 χ^2/NDF: 37762.1/115



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: 0.408+/-0.008 χ^2/NDF: 1697.9/35

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

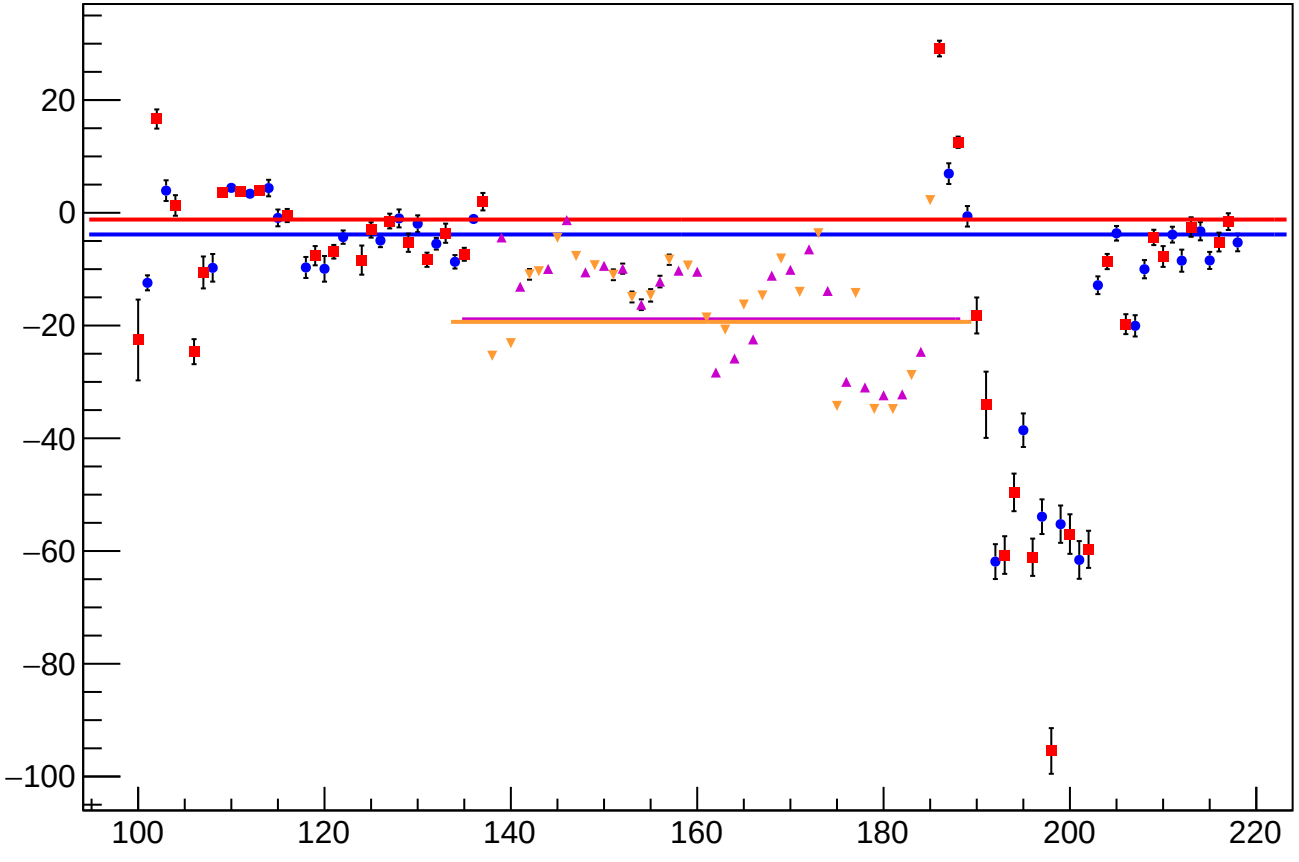
Right: 0.428+/-0.006 χ^2/NDF: 3150.4/67

In: 0.414+/-0.004 χ^2/NDF:3390.0/54

Out: 0.425+/-0.004 χ^2/NDF:3073.2/60

All: 0.420+/-0.003 χ^2/NDF: 6465.9/115

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: -1.198+/-0.229 χ^2/NDF: 3400.2/35

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

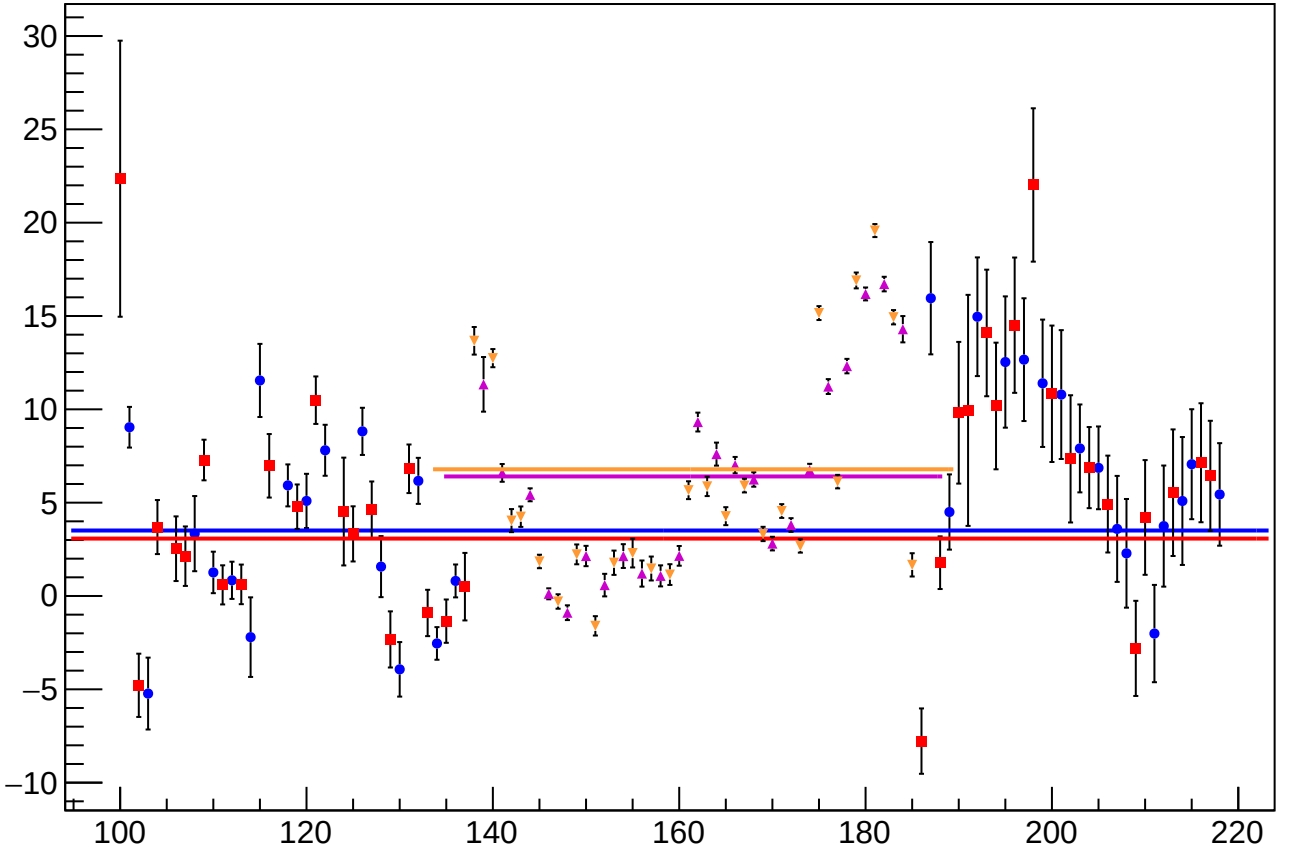
Right: -2.462+/-0.165 χ^2/NDF: 5359.1/67

In: -16.032+/-0.104 χ^2/NDF:13385.4/54

Out: -15.769+/-0.102 χ^2/NDF:18847.7/60

All: -15.897+/-0.073 χ^2/NDF: 32236.4/115

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 3.076+/-0.289 χ^2/NDF: 253.8/35

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

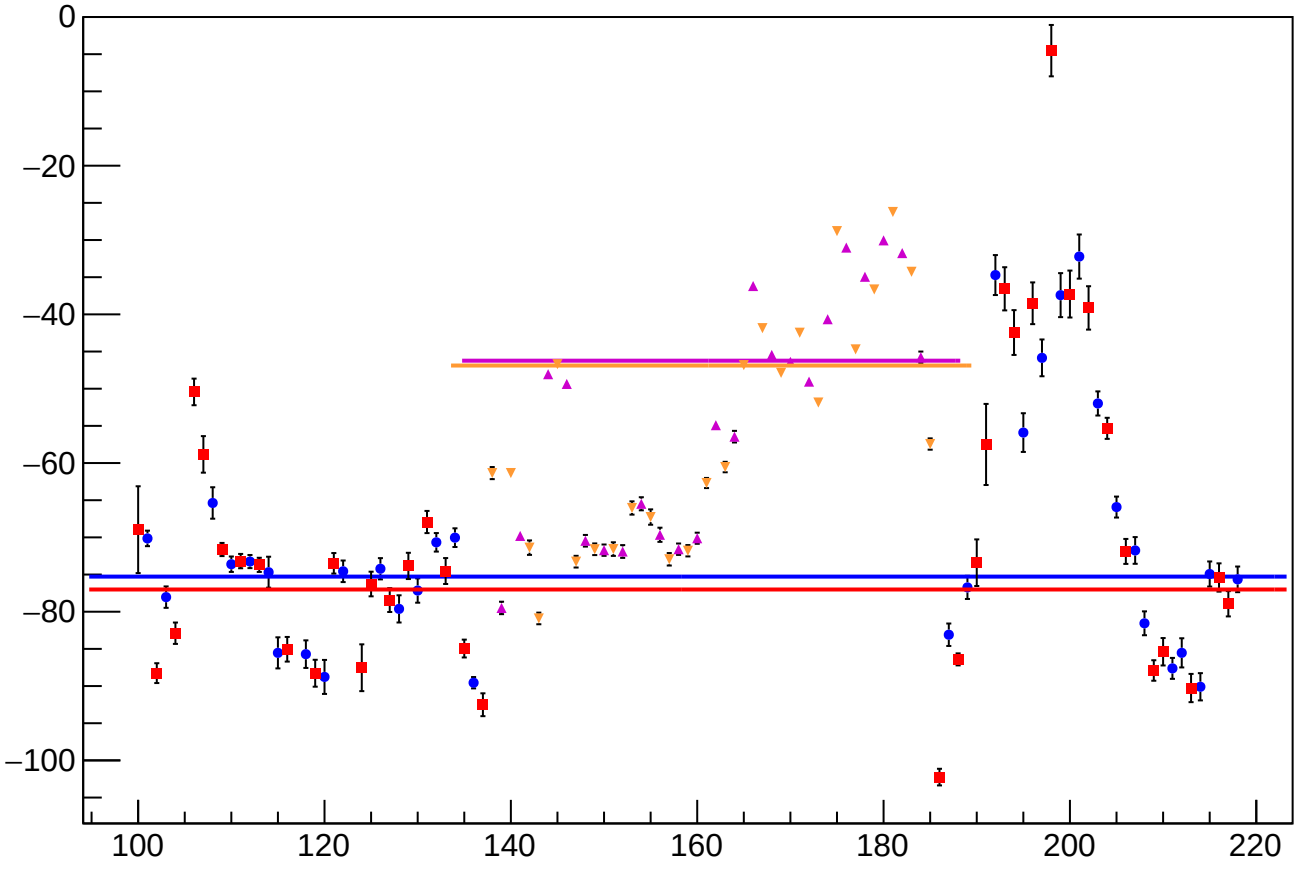
Left: 6.598+/-0.064 χ^2/NDF: 8051.9/47

Right: 3.294+/-0.204 χ^2/NDF: 526.4/67

In: 6.138+/-0.087 χ^2/NDF:3774.6/54

Out: 6.460+/-0.086 χ^2/NDF:5036.4/60

All: 6.300+/-0.061 χ^2/NDF: 8817.9/115



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: -77.011+/-0.259 χ^2/NDF: 3012.7/35

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

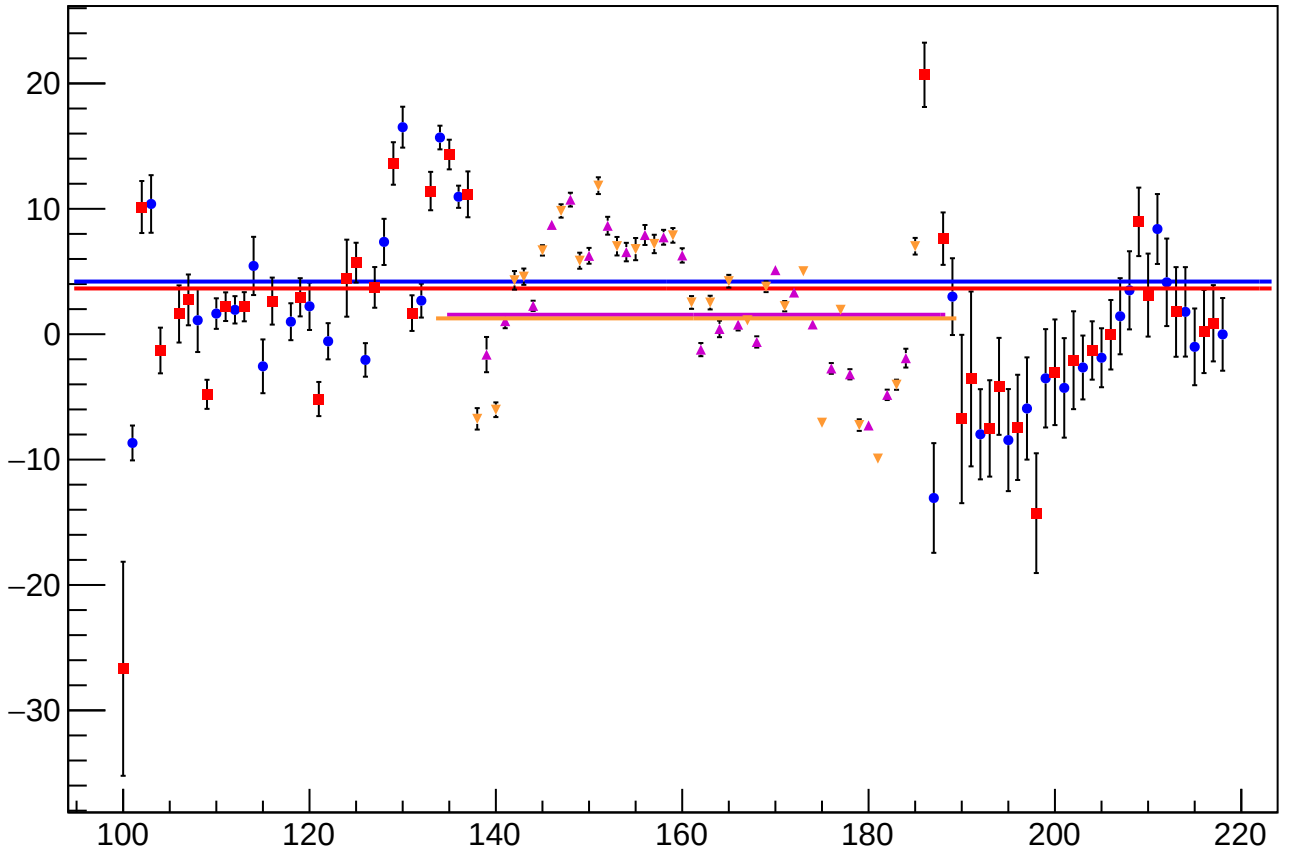
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -76.165+/-0.185 χ^2/NDF: 4834.3/67

In: -50.922+/-0.106 χ^2/NDF:27047.6/54

Out: -51.779+/-0.104 χ^2/NDF:32357.9/60

All: -51.359+/-0.074 χ^2/NDF: 59438.6/115



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: 3.648+/-0.329 χ^2/NDF: 393.6/35

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

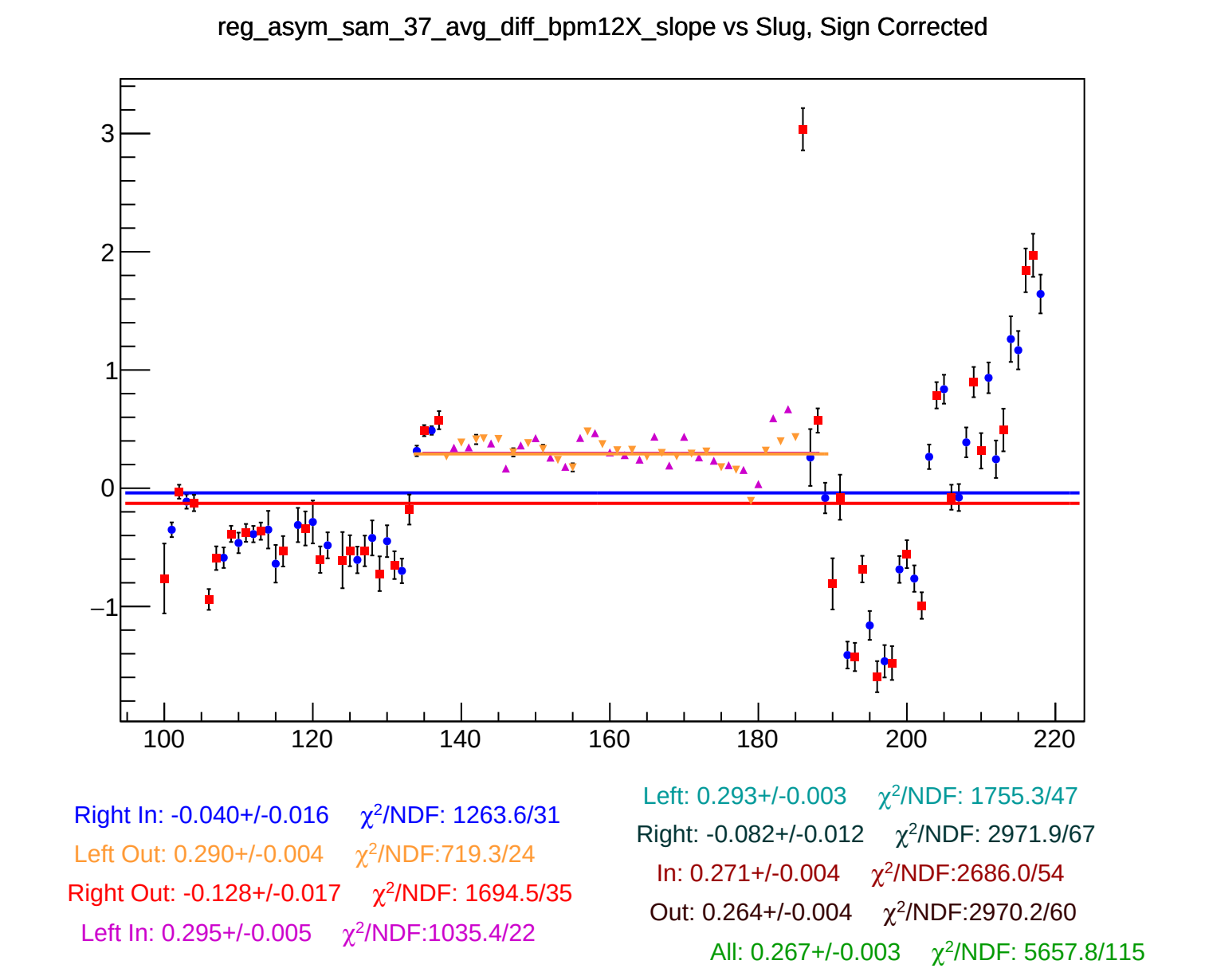
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

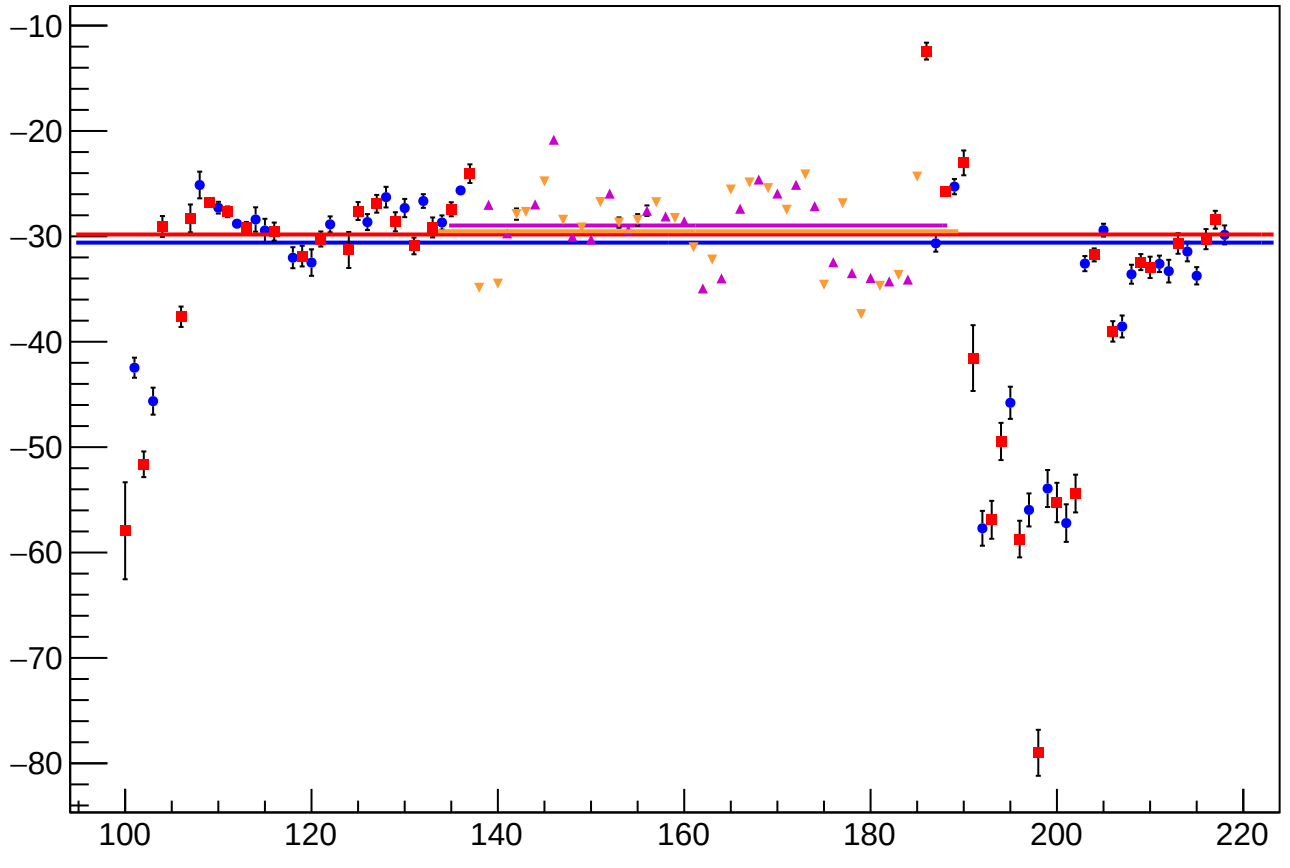
Right: 3.931+/-0.230 χ^2/NDF: 888.5/67

In: 1.794+/-0.097 χ^2/NDF:2891.0/54

Out: 1.465+/-0.096 χ^2/NDF:3887.5/60

All: 1.628+/-0.068 χ^2/NDF: 6784.3/115


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: -0.128+/-0.017 χ²/NDF: 1694.5/35
Left In: 0.295+/-0.005 χ²/NDF:1035.4/22
Left: 0.293+/-0.003 χ²/NDF: 1755.3/47
Right: -0.082+/-0.012 χ²/NDF: 2971.9/67
In: 0.271+/-0.004 χ²/NDF:2686.0/54
Out: 0.264+/-0.004 χ²/NDF:2970.2/60
All: 0.267+/-0.003 χ²/NDF: 5657.8/115



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: -29.821+/-0.142 χ^2/NDF: 2808.8/35

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

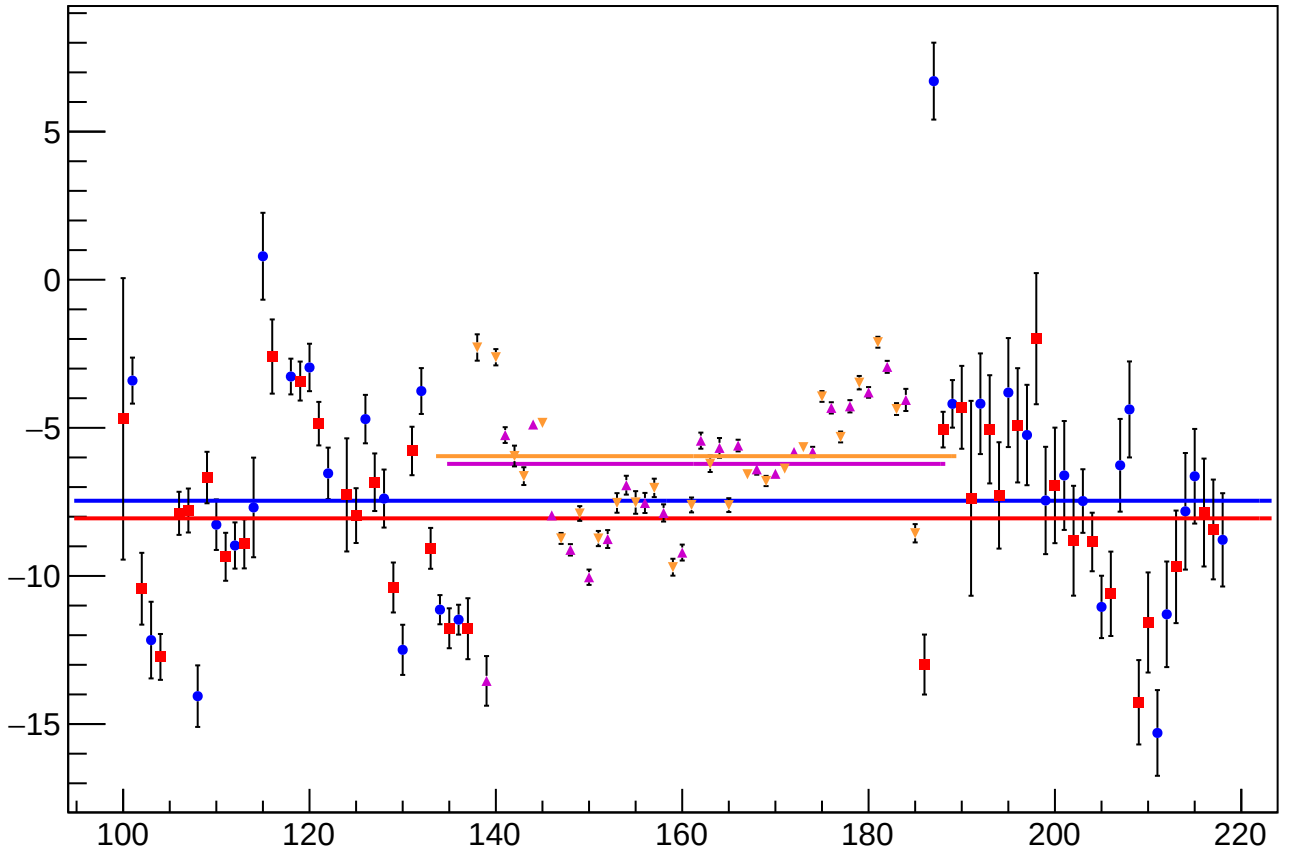
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -30.198+/-0.101 χ^2/NDF: 4607.8/67

In: -29.188+/-0.053 χ^2/NDF:7241.4/54

Out: -29.558+/-0.052 χ^2/NDF:8901.2/60

All: -29.375+/-0.037 χ^2/NDF: 16167.3/115



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: -8.056+/-0.169 χ^2/NDF: 294.7/35

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

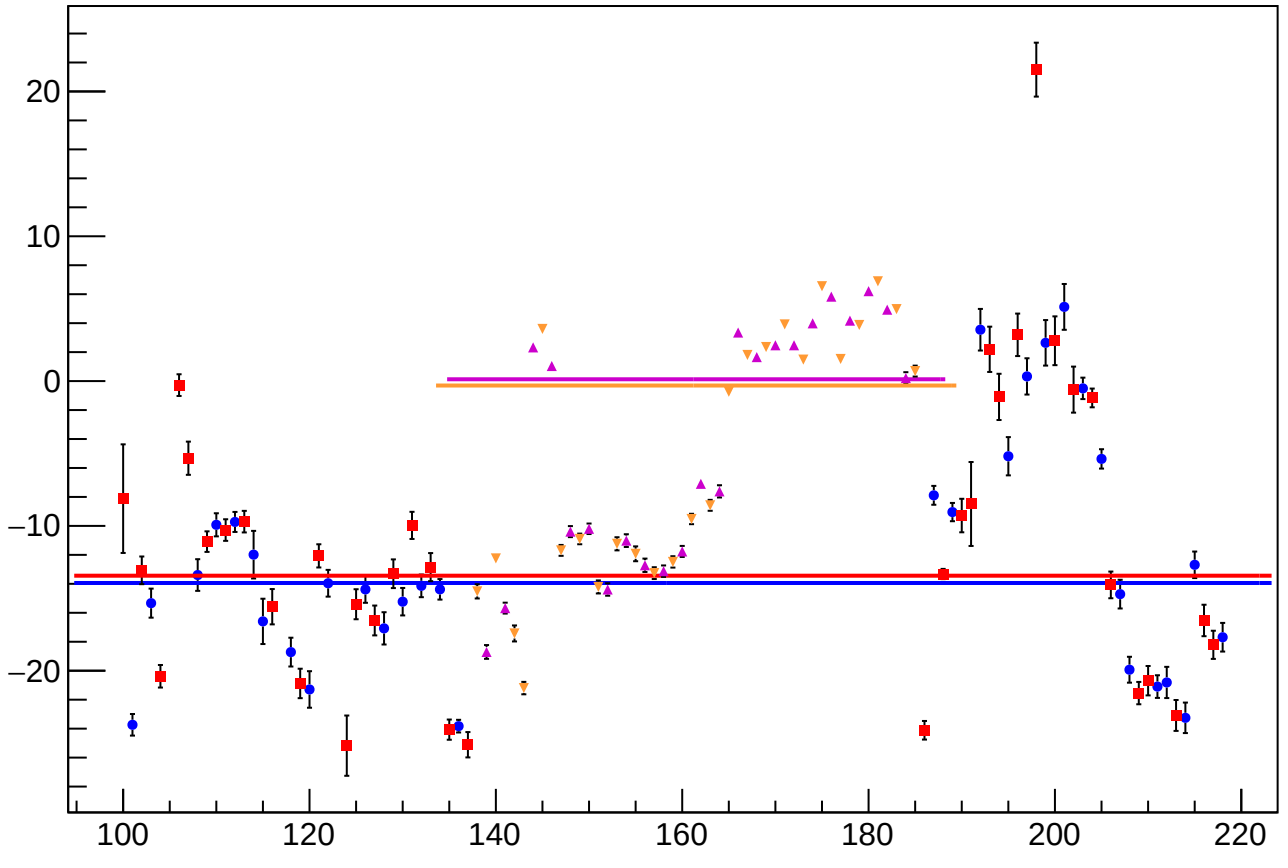
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.761+/-0.120 χ^2/NDF: 883.8/67

In: -6.295+/-0.043 χ^2/NDF:2374.7/54

Out: -6.092+/-0.043 χ^2/NDF:2297.3/60

All: -6.194+/-0.030 χ^2/NDF: 4683.2/115



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: -13.439+/-0.148 χ^2/NDF: 2748.6/35

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

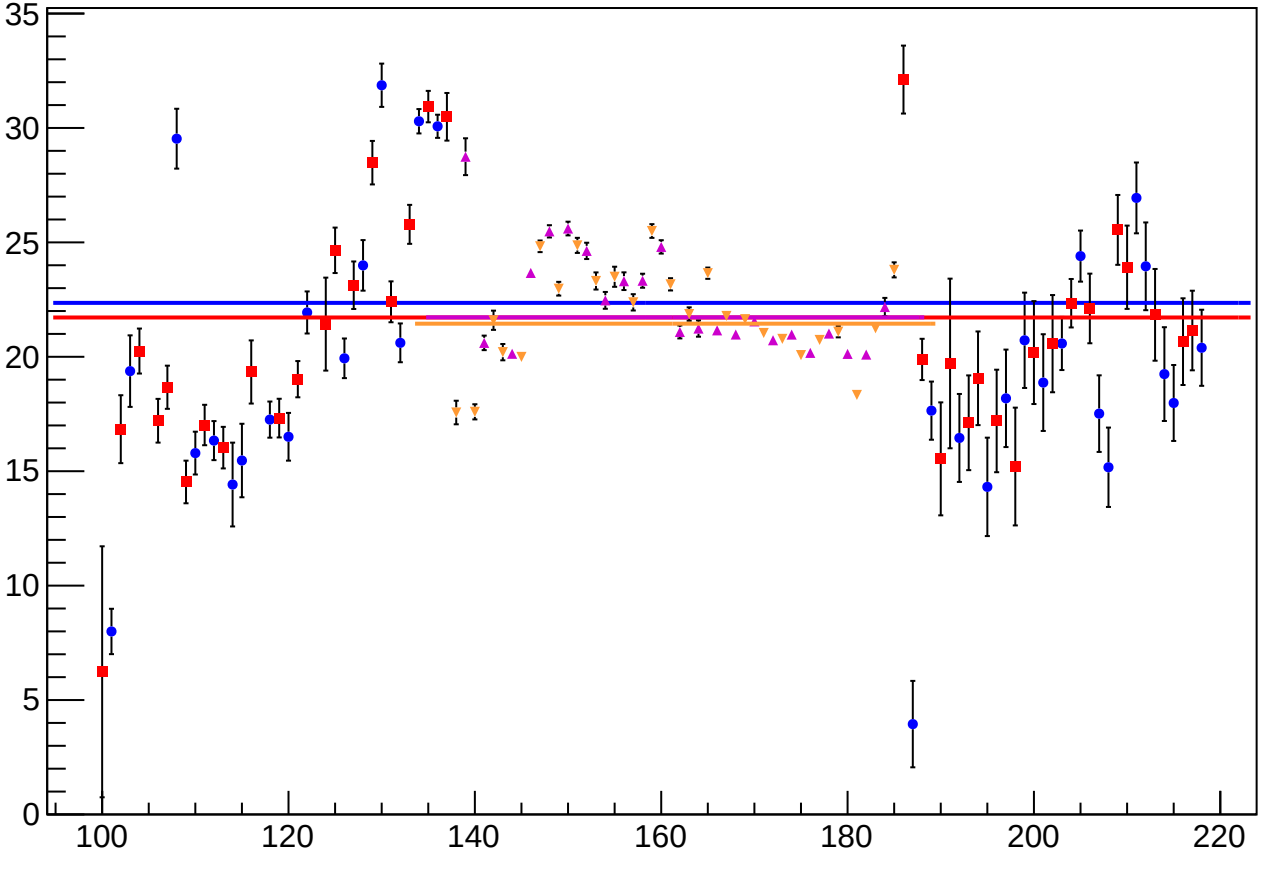
Right: -13.681+/-0.107 χ^2/NDF: 5055.9/67

In: -1.568+/-0.053 χ^2/NDF:23471.1/54

Out: -1.973+/-0.053 χ^2/NDF:26773.9/60

All: -1.773+/-0.038 χ^2/NDF: 50274.0/115

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: 21.718+/-0.196 χ^2/NDF: 644.4/35

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

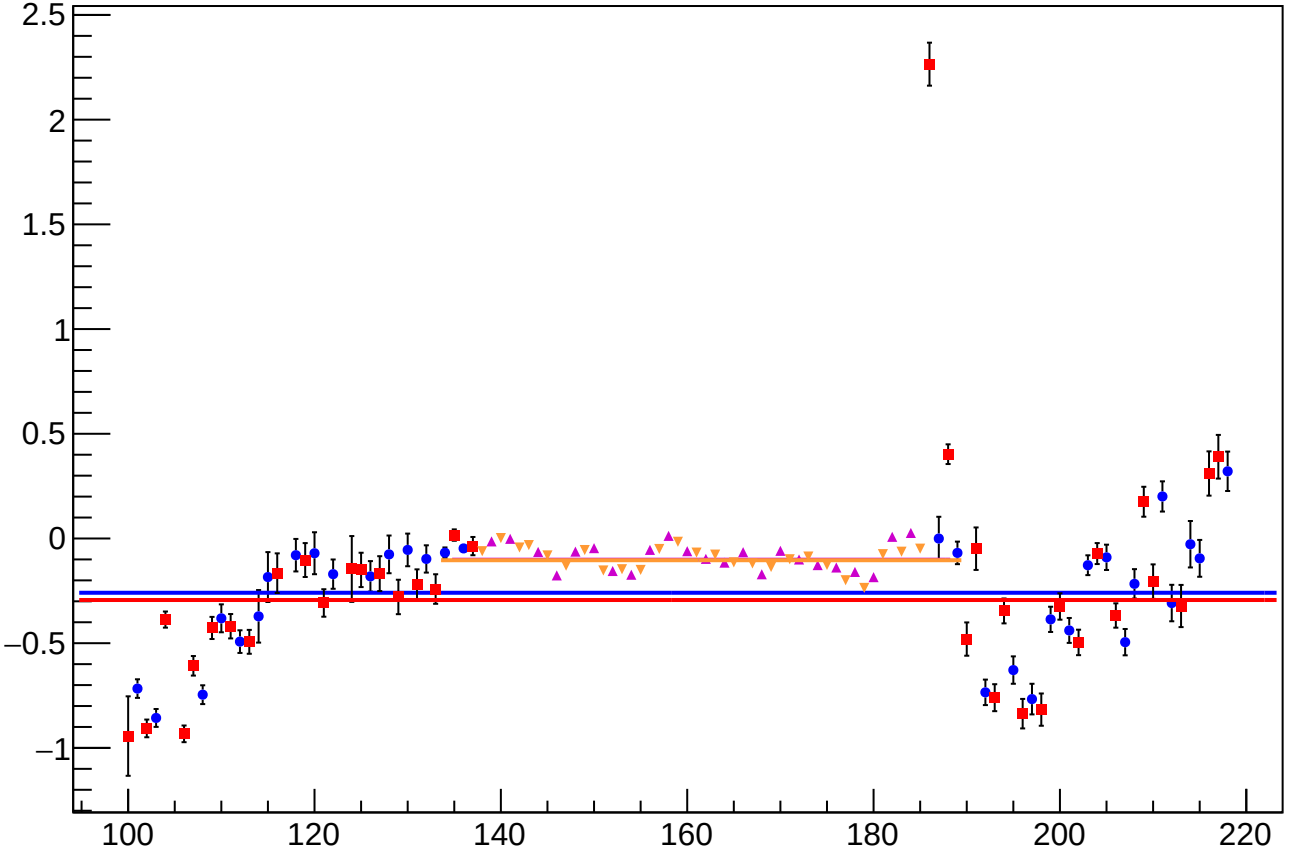
Right: 22.043+/-0.137 χ^2/NDF: 1864.0/67

In: 21.765+/-0.048 χ^2/NDF:2398.0/54

Out: 21.463+/-0.048 χ^2/NDF:1971.4/60

All: 21.614+/-0.034 χ^2/NDF: 4389.1/115

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -0.294+/-0.010 χ^2/NDF: 1898.3/35

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

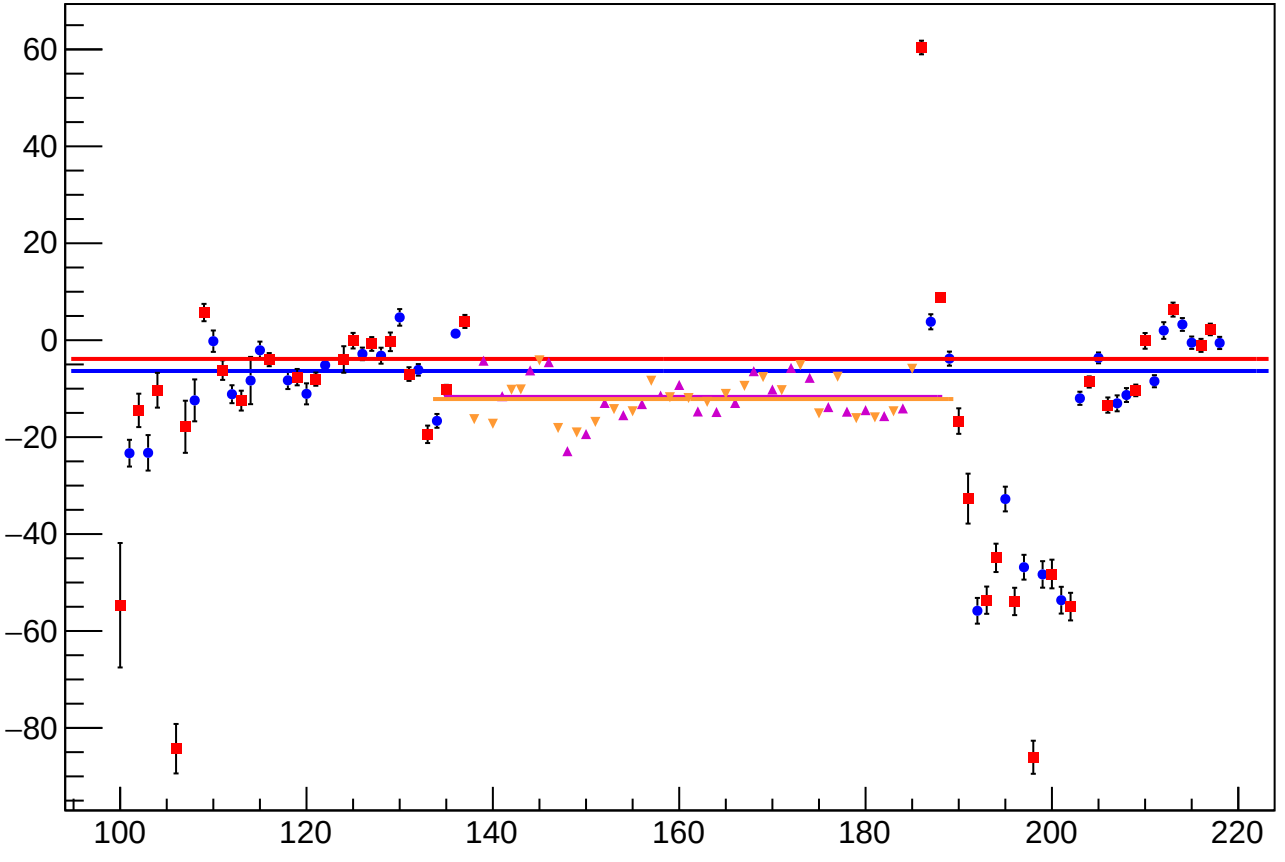
Right: -0.276+/-0.007 χ^2/NDF: 2828.9/67

In: -0.109+/-0.002 χ^2/NDF:1938.9/54

Out: -0.113+/-0.002 χ^2/NDF:2793.1/60

All: -0.111+/-0.002 χ^2/NDF: 4733.1/115

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -3.863+/-0.279 χ^2/NDF: 4994.9/35

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

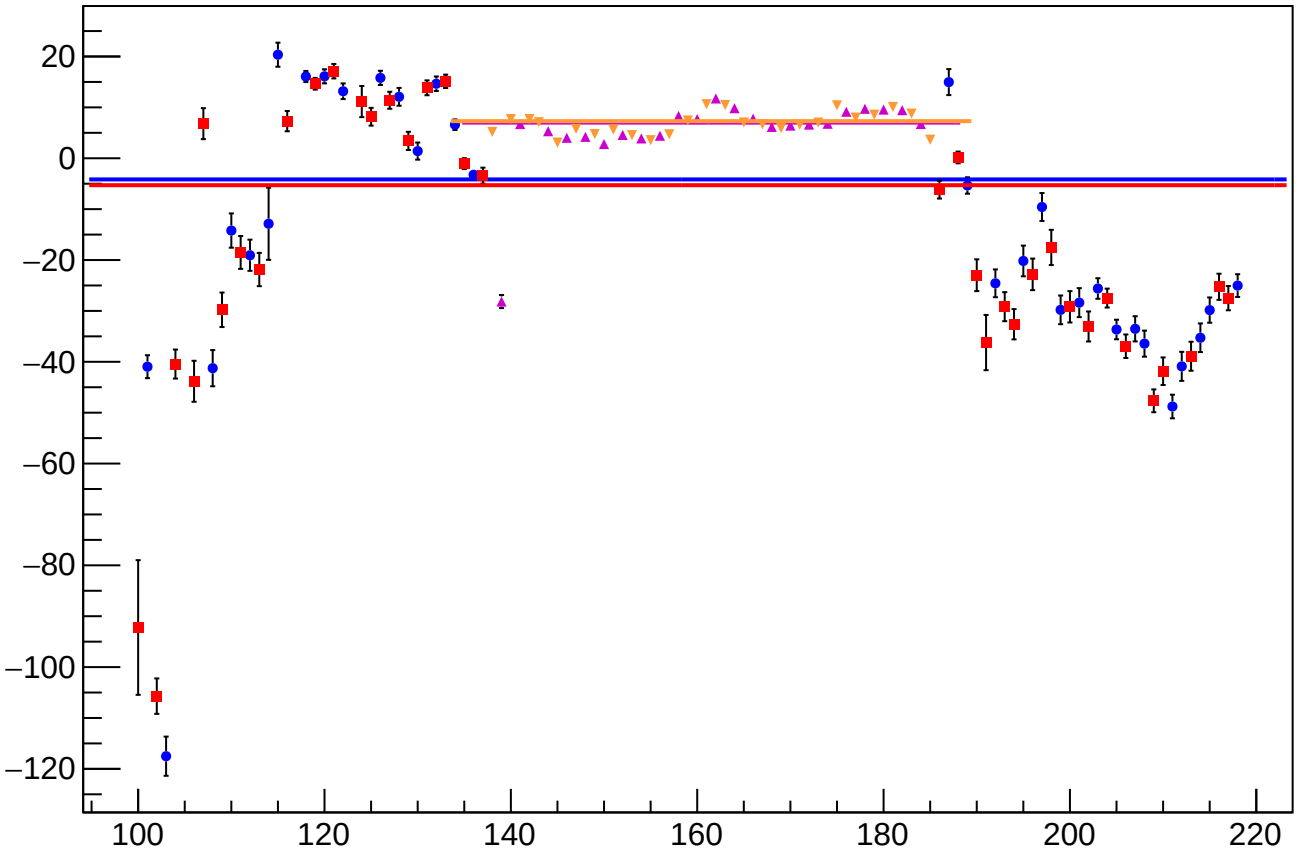
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -5.136+/-0.195 χ^2/NDF: 6809.7/67

In: -11.127+/-0.089 χ^2/NDF:4068.6/54

Out: -11.339+/-0.087 χ^2/NDF:7919.9/60

All: -11.236+/-0.062 χ^2/NDF: 11991.3/115



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: -5.290+/-0.339 χ^2/NDF: 4051.5/35

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

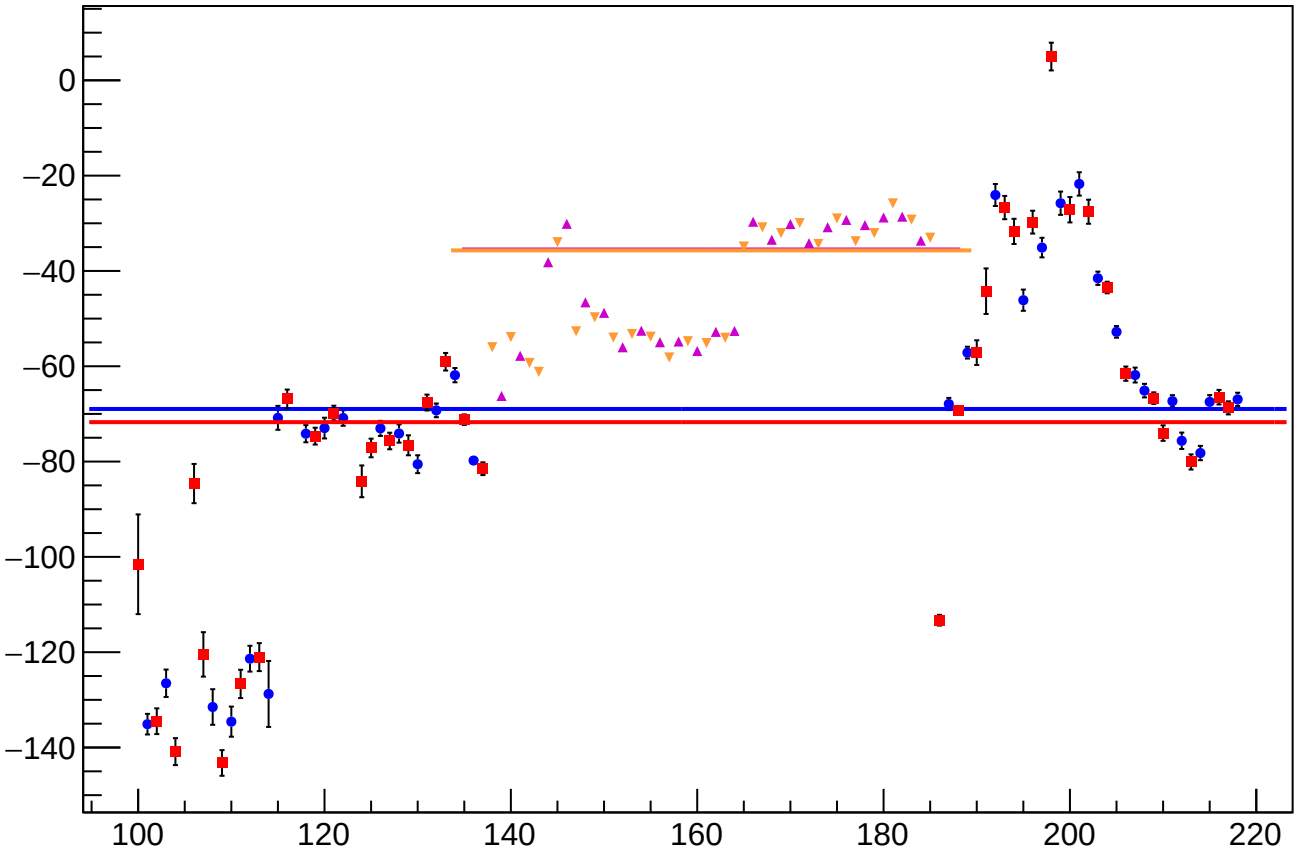
Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

Right: -4.698+/-0.234 χ^2/NDF: 8507.8/67

In: 6.422+/-0.074 χ^2/NDF:7152.4/54

Out: 6.709+/-0.073 χ^2/NDF:6191.4/60

All: 6.567+/-0.052 χ^2/NDF: 13351.4/115



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: -71.728+/-0.284 χ^2/NDF: 6993.8/35

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

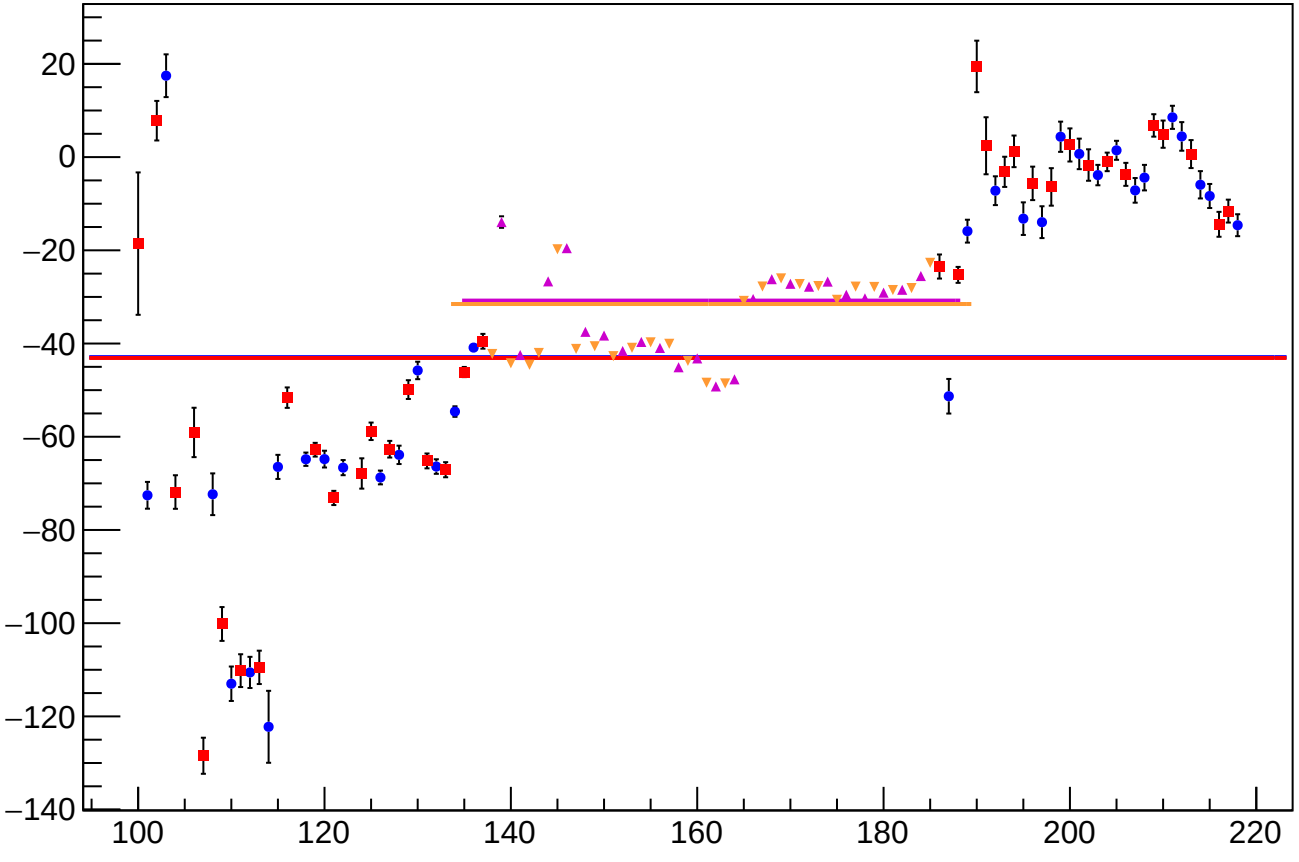
Right: -70.341+/-0.201 χ^2/NDF: 12054.4/67

In: -38.858+/-0.090 χ^2/NDF:28746.7/54

Out: -39.127+/-0.088 χ^2/NDF:34334.0/60

All: -38.996+/-0.063 χ^2/NDF: 63085.3/115

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: -43.096+/-0.387 χ^2/NDF: 6000.4/35

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

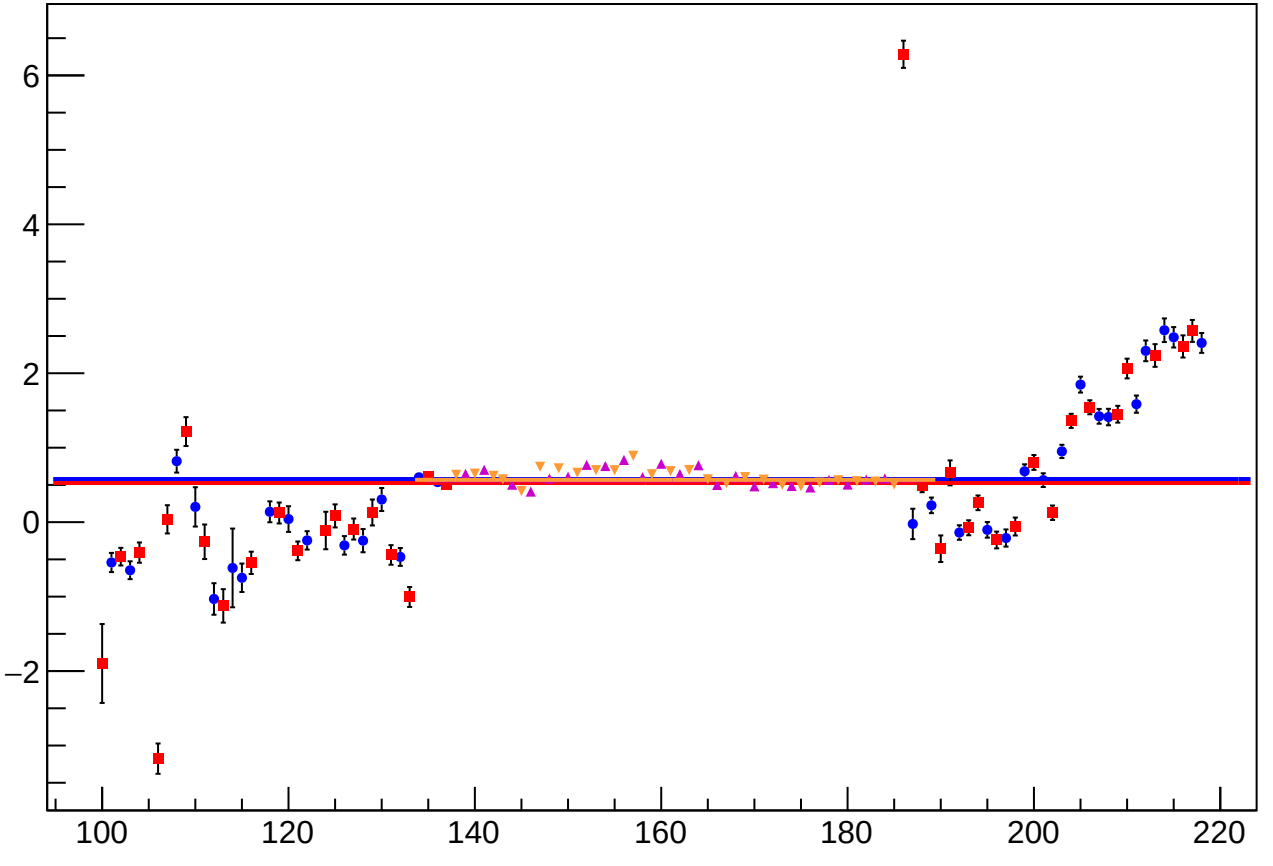
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -43.001+/-0.264 χ^2/NDF: 11754.5/67

In: -31.415+/-0.082 χ^2/NDF:14371.4/54

Out: -32.027+/-0.081 χ^2/NDF:15315.2/60

All: -31.726+/-0.058 χ^2/NDF: 29714.8/115



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: 0.526+/-0.019 χ^2/NDF: 2914.6/35

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

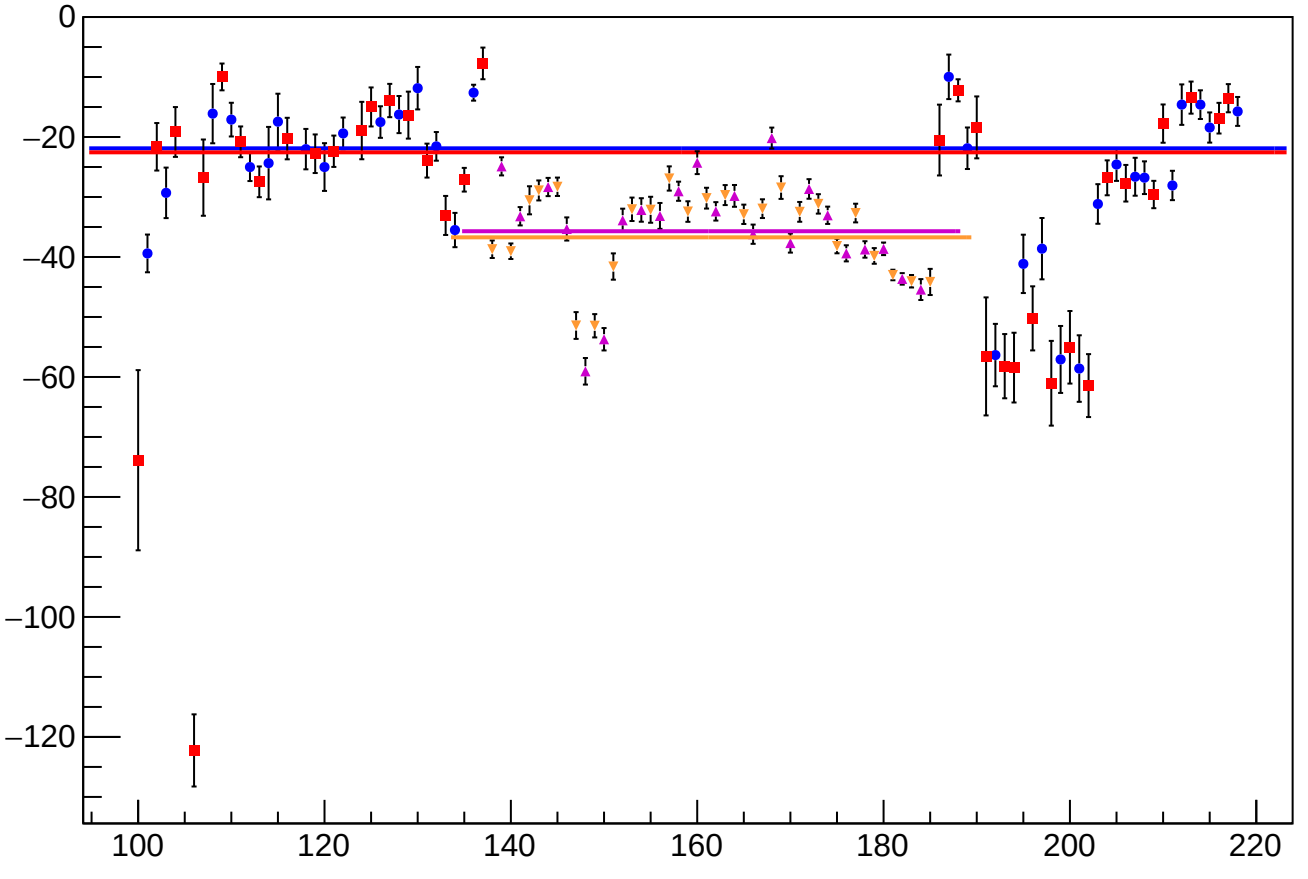
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.555+/-0.013 χ^2/NDF: 4658.8/67

In: 0.561+/-0.004 χ^2/NDF:2412.7/54

Out: 0.567+/-0.004 χ^2/NDF:3473.8/60

All: 0.564+/-0.003 χ^2/NDF: 5887.9/115



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: -22.554+/-0.534 χ^2/NDF: 704.9/35

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

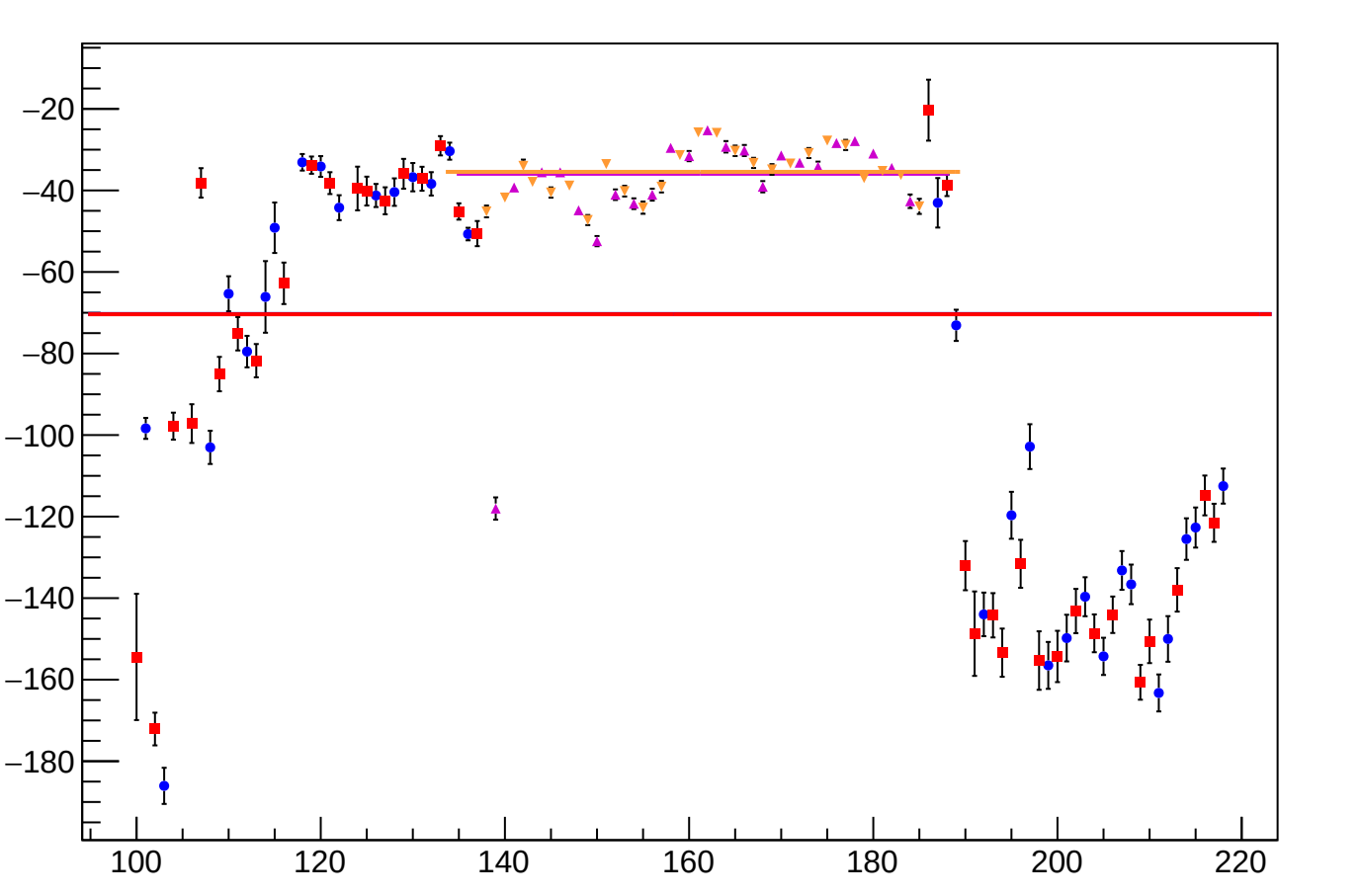
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -22.215+/-0.374 χ^2/NDF: 1041.4/67

In: -31.907+/-0.275 χ^2/NDF:1416.9/54

Out: -33.147+/-0.268 χ^2/NDF:1652.4/60

All: -32.543+/-0.192 χ^2/NDF: 3079.8/115



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: -70.369+/-0.637 χ^2/NDF: 5150.9/35

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

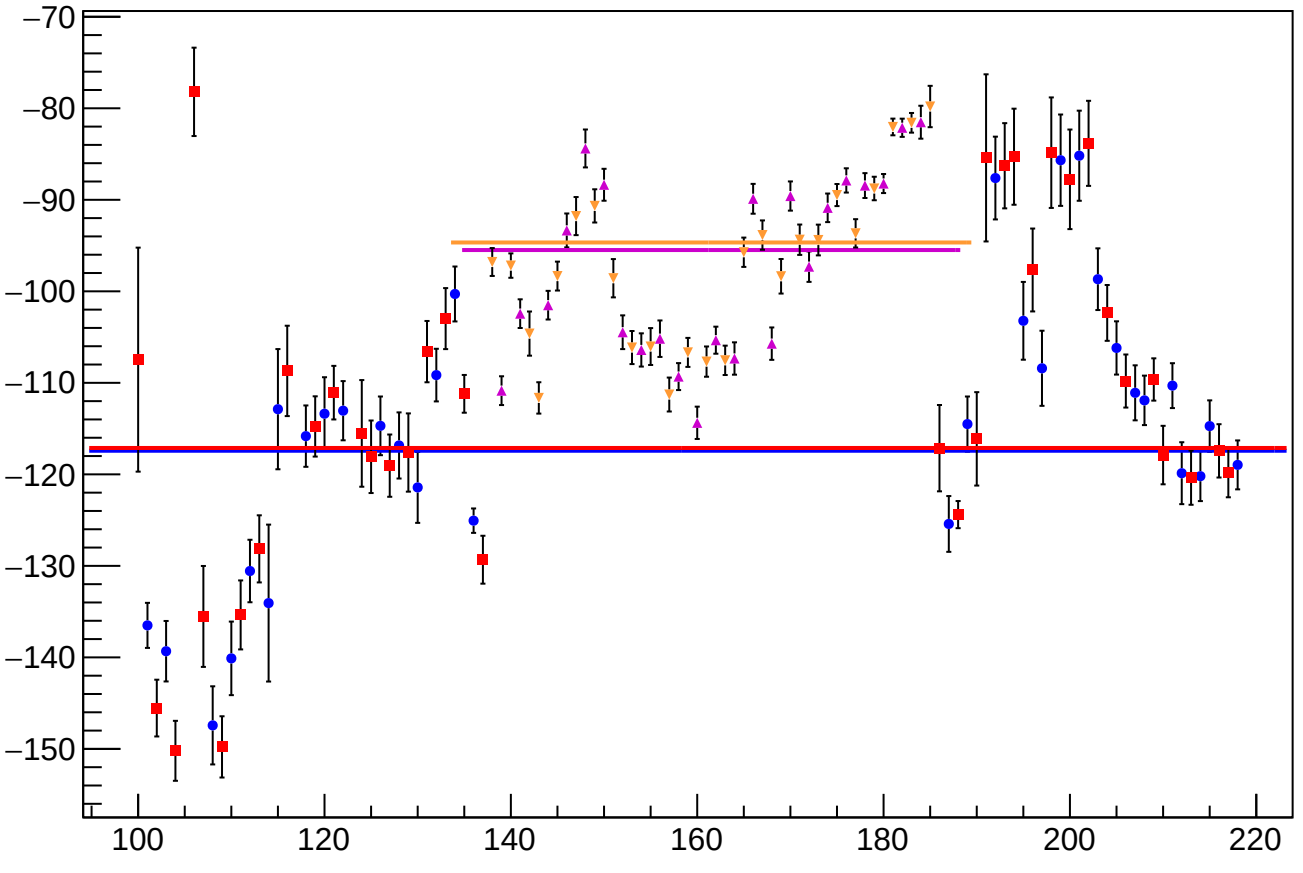
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -70.339+/-0.442 χ^2/NDF: 10173.5/67

In: -40.994+/-0.236 χ^2/NDF:9229.7/54

Out: -39.941+/-0.229 χ^2/NDF:8309.2/60

All: -40.450+/-0.164 χ^2/NDF: 17549.2/115



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: -117.117+/-0.557 χ^2/NDF: 743.3/35

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

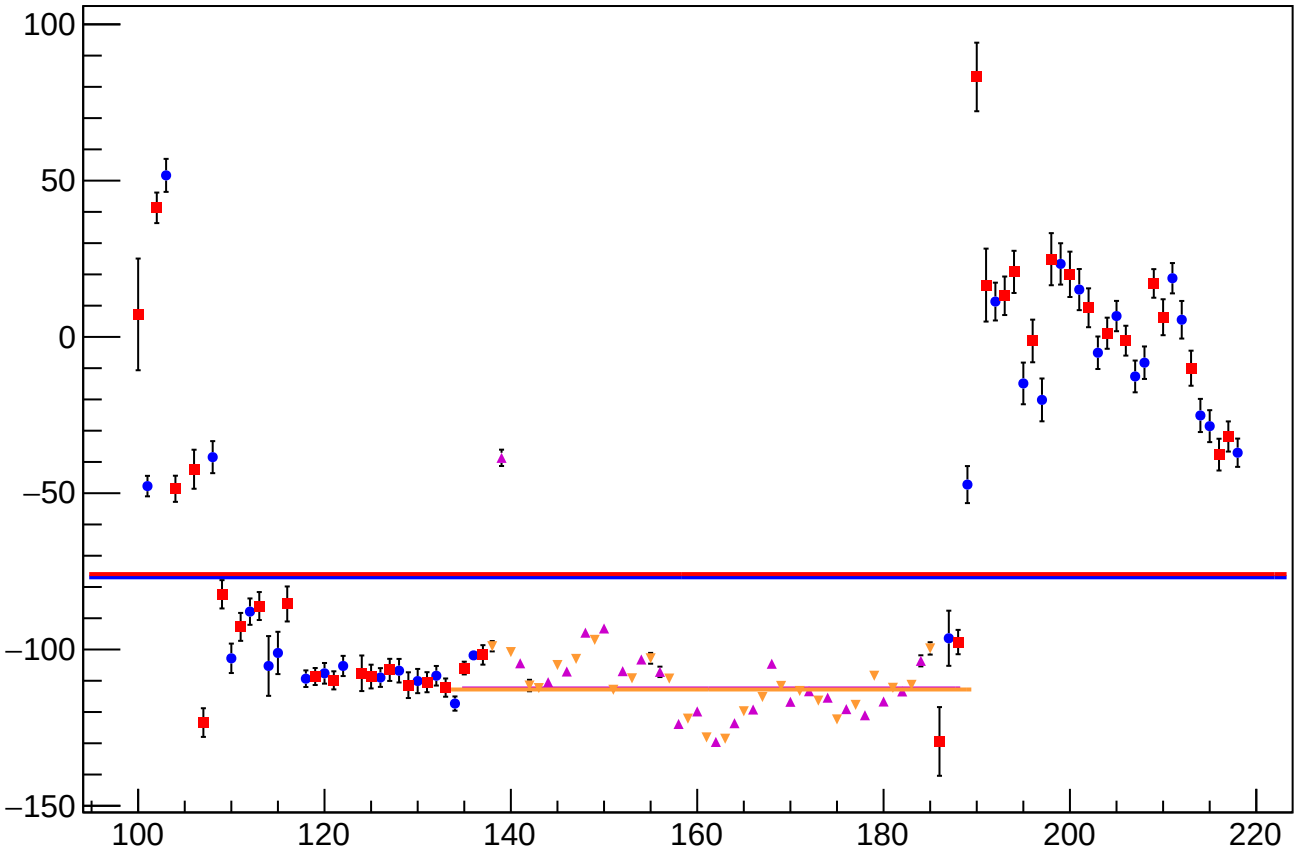
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -117.271+/-0.390 χ^2/NDF: 1242.5/67

In: -101.120+/-0.277 χ^2/NDF:2666.4/54

Out: -99.974+/-0.271 χ^2/NDF:2885.8/60

All: -100.534+/-0.194 χ^2/NDF: 5561.0/115



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: -75.874+/-0.725 χ^2/NDF: 4645.5/35

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

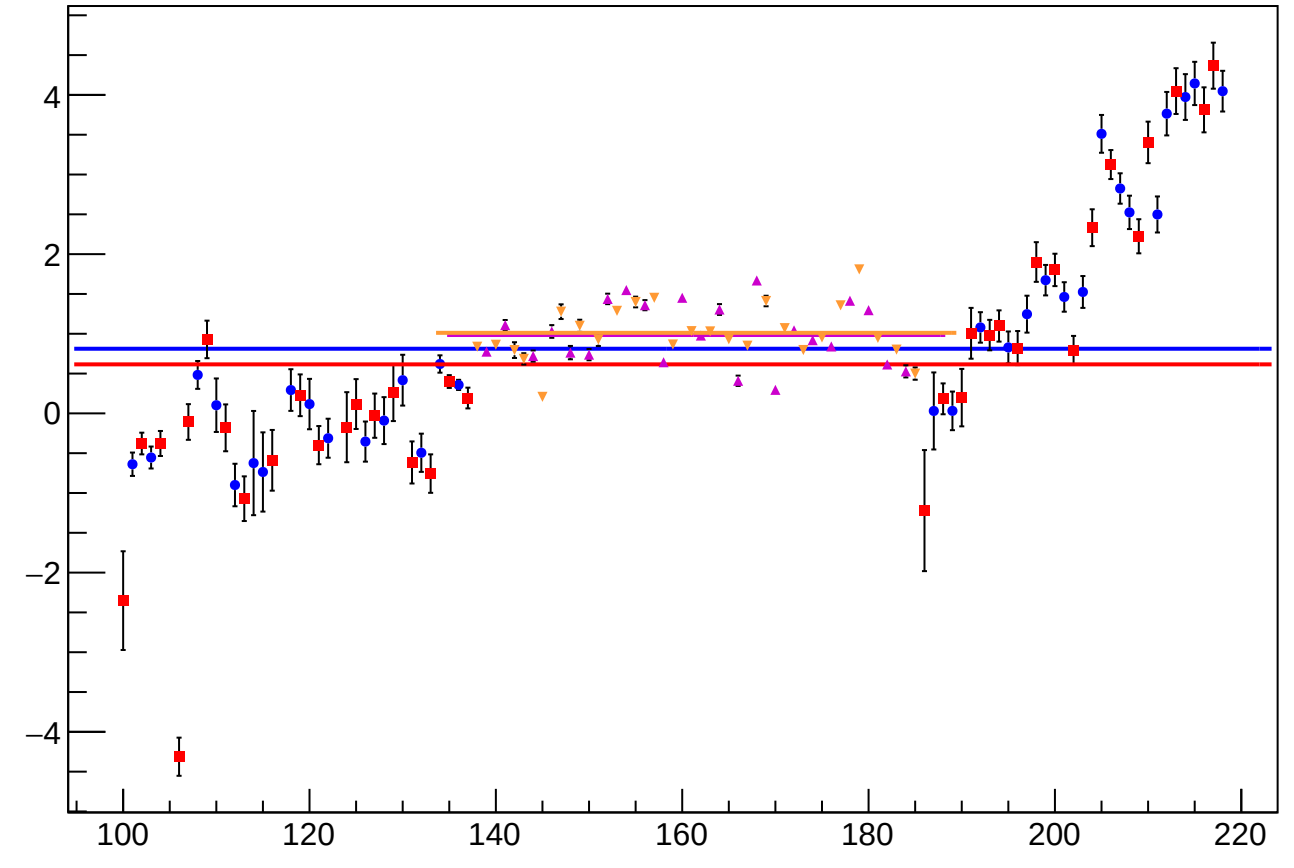
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

Right: -76.414+/-0.500 χ^2/NDF: 9157.4/67

In: -107.296+/-0.263 χ^2/NDF:8565.6/54

Out: -108.178+/-0.256 χ^2/NDF:7851.4/60

All: -107.749+/-0.184 χ^2/NDF: 16422.8/115



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: 0.616+/-0.035 χ^2/NDF: 1649.0/35

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

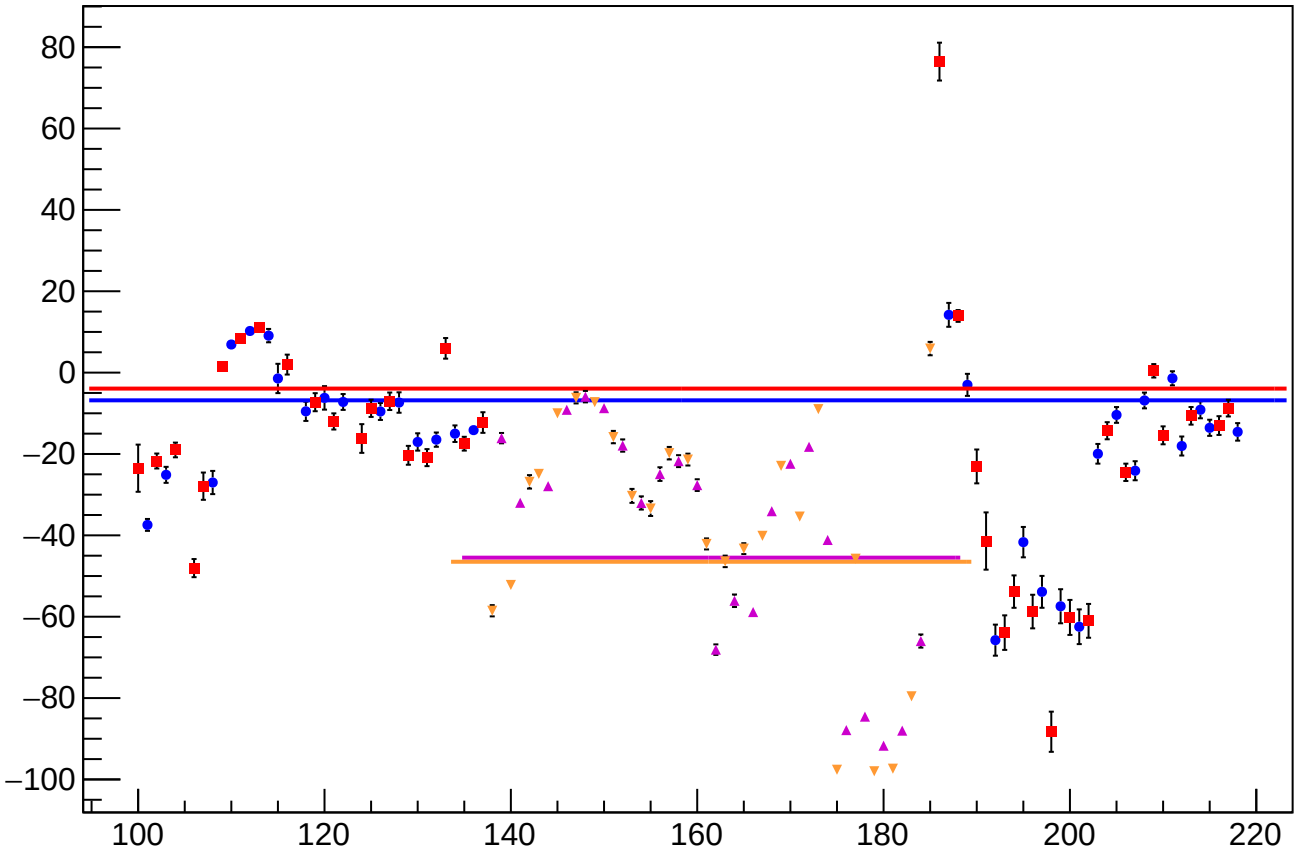
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

Right: 0.719+/-0.024 χ^2/NDF: 3045.8/67

In: 0.963+/-0.012 χ^2/NDF:2303.9/54

Out: 0.969+/-0.012 χ^2/NDF:2453.6/60

All: 0.966+/-0.008 χ^2/NDF: 4757.6/115



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: -3.926+/-0.297 χ^2/NDF: 3441.6/35

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

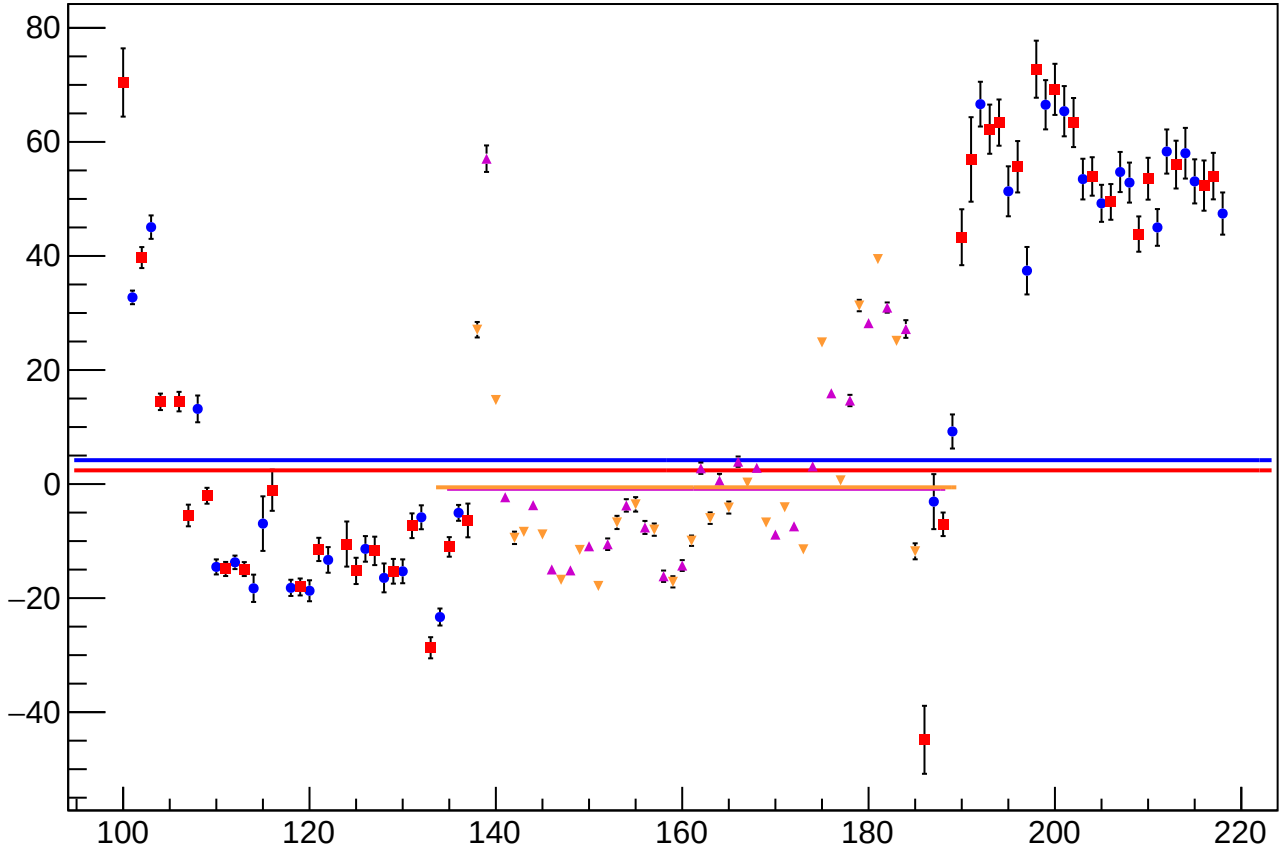
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -5.258+/-0.218 χ^2/NDF: 6075.2/67

In: -31.786+/-0.191 χ^2/NDF:27540.5/54

Out: -30.544+/-0.182 χ^2/NDF:36312.7/60

All: -31.135+/-0.132 χ^2/NDF: 63875.3/115



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: 2.404+/-0.384 χ^2/NDF: 4530.5/35

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

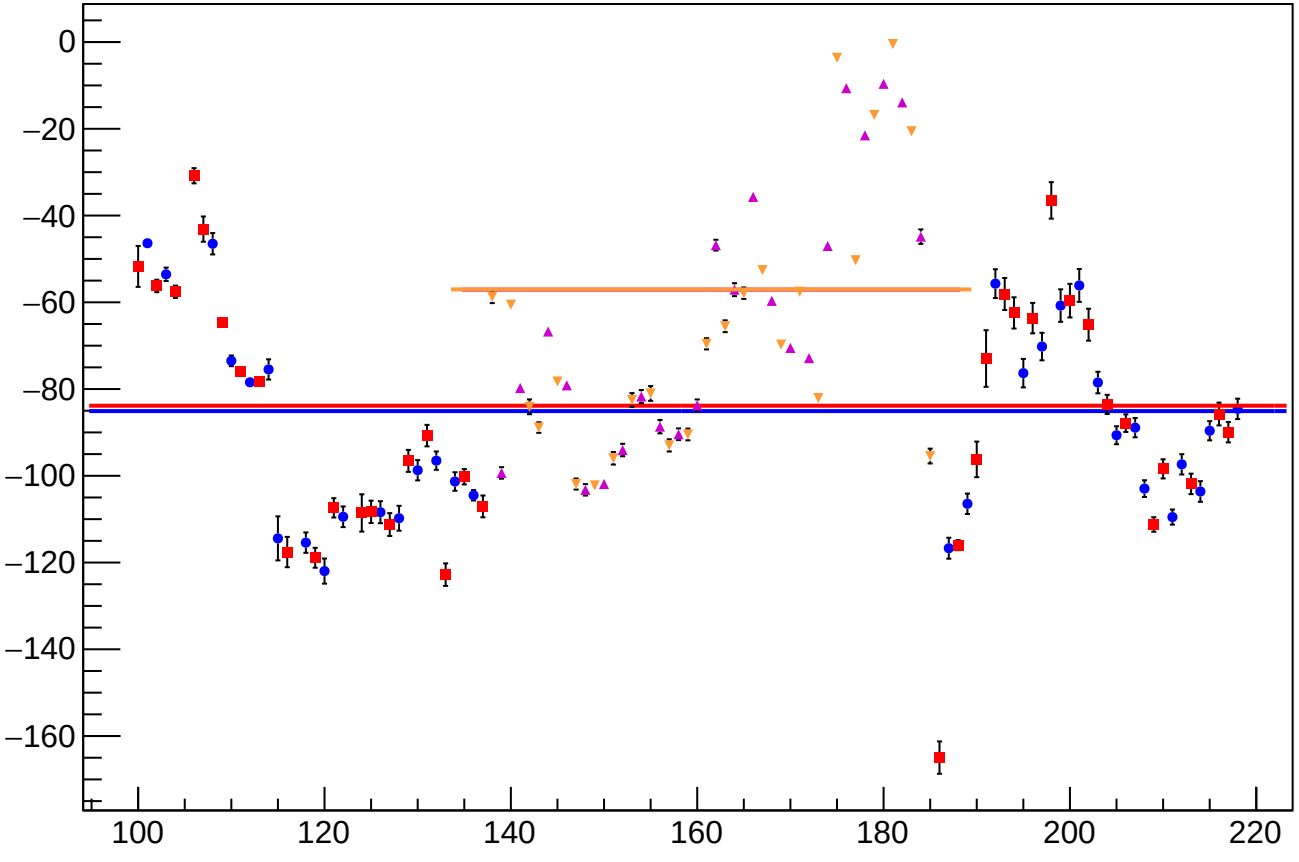
Right: 3.278+/-0.274 χ^2/NDF: 9537.7/67

In: 0.070+/-0.166 χ^2/NDF:11247.7/54

Out: -0.050+/-0.161 χ^2/NDF:13031.5/60

All: 0.008+/-0.115 χ^2/NDF: 24279.4/115

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -83.841+/-0.341 χ^2/NDF: 5296.7/35

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

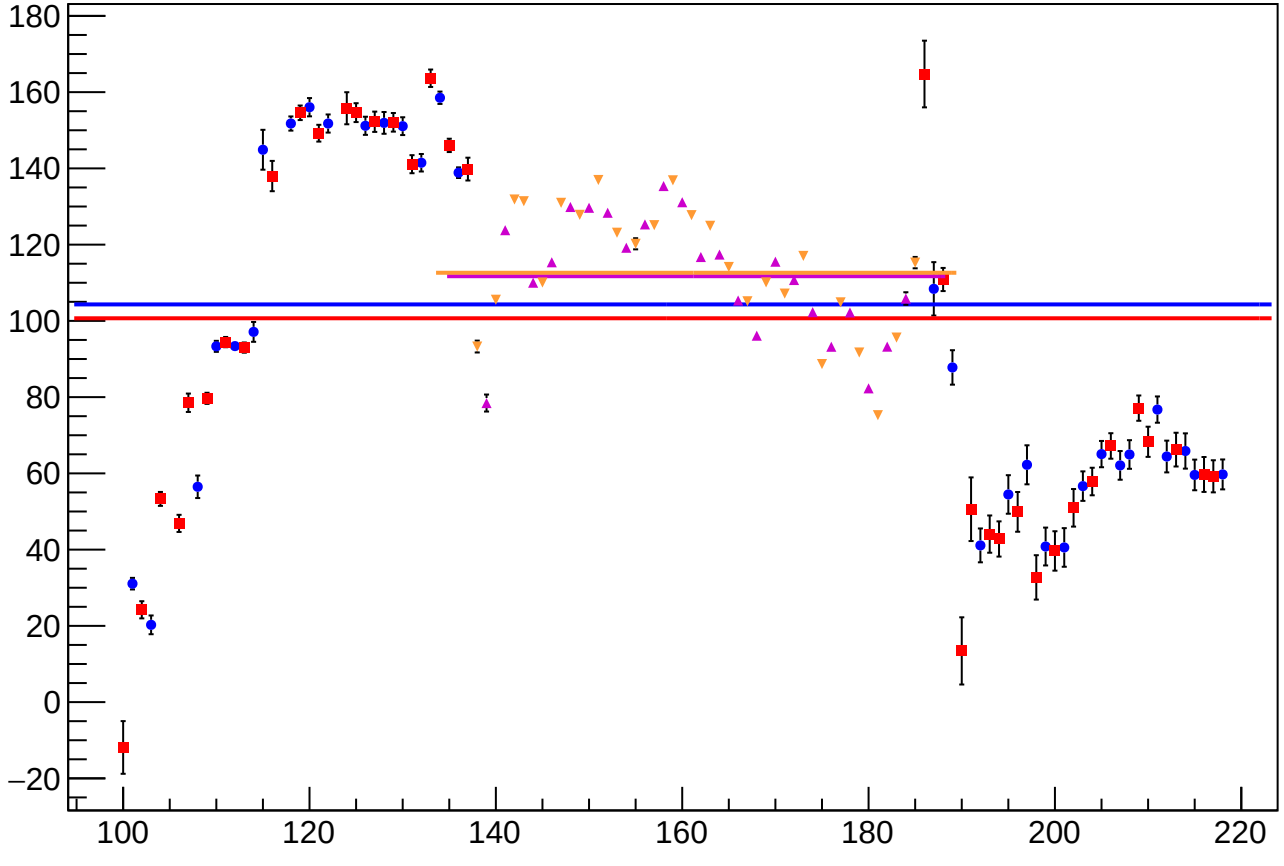
Right: -84.438+/-0.246 χ^2/NDF: 9110.5/67

In: -65.688+/-0.197 χ^2/NDF:25274.9/54

Out: -65.395+/-0.191 χ^2/NDF:29850.9/60

All: -65.537+/-0.137 χ^2/NDF: 55126.9/115

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: 100.683+/-0.438 χ^2/NDF: 9305.7/35

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

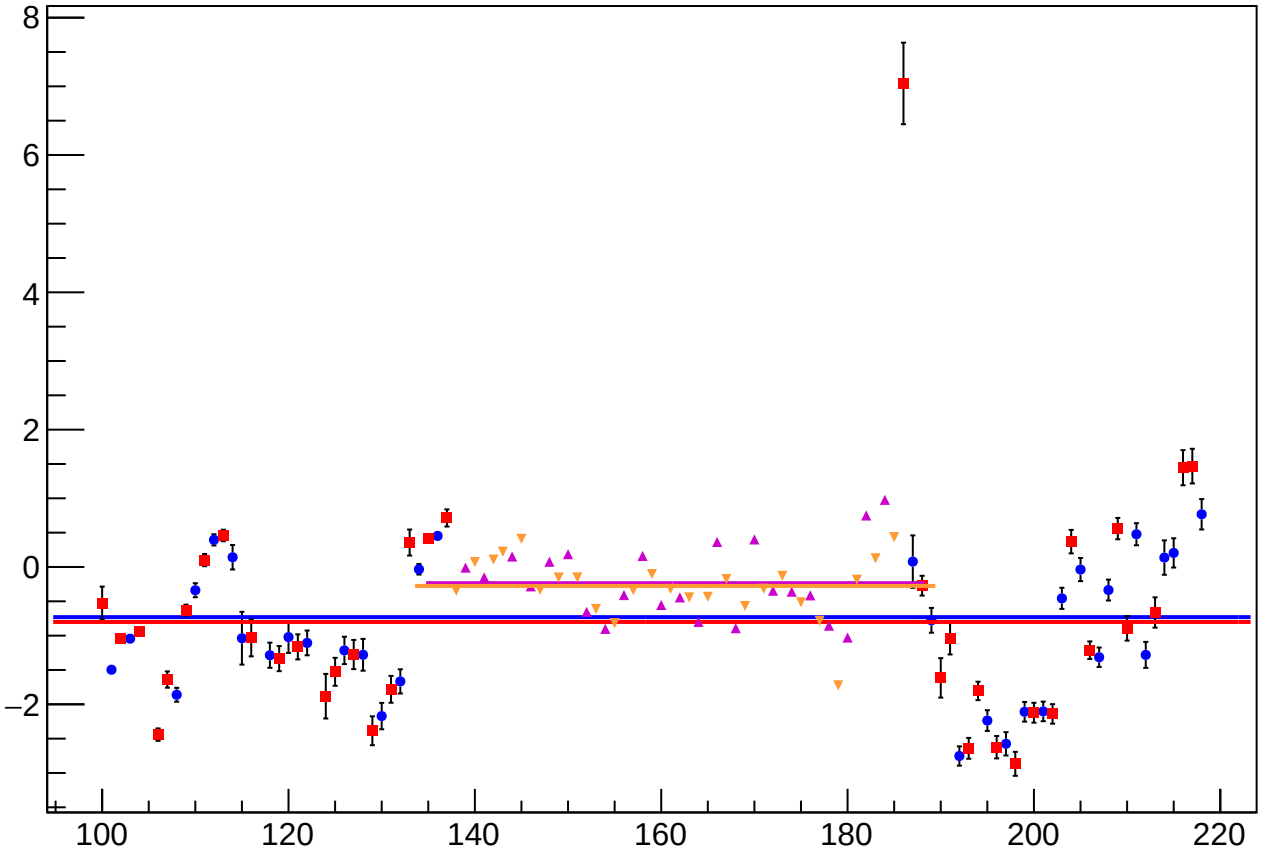
Right: 102.476+/-0.312 χ^2/NDF: 19567.8/67

In: 110.410+/-0.187 χ^2/NDF:15353.3/54

Out: 110.567+/-0.182 χ^2/NDF:16628.6/60

All: 110.490+/-0.130 χ^2/NDF: 31982.2/115

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.731+/-0.022 χ^2/NDF: 1936.4/31

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.801+/-0.022 χ^2/NDF: 2477.8/35

Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

Left: -0.257+/-0.006 χ^2/NDF: 5093.1/47

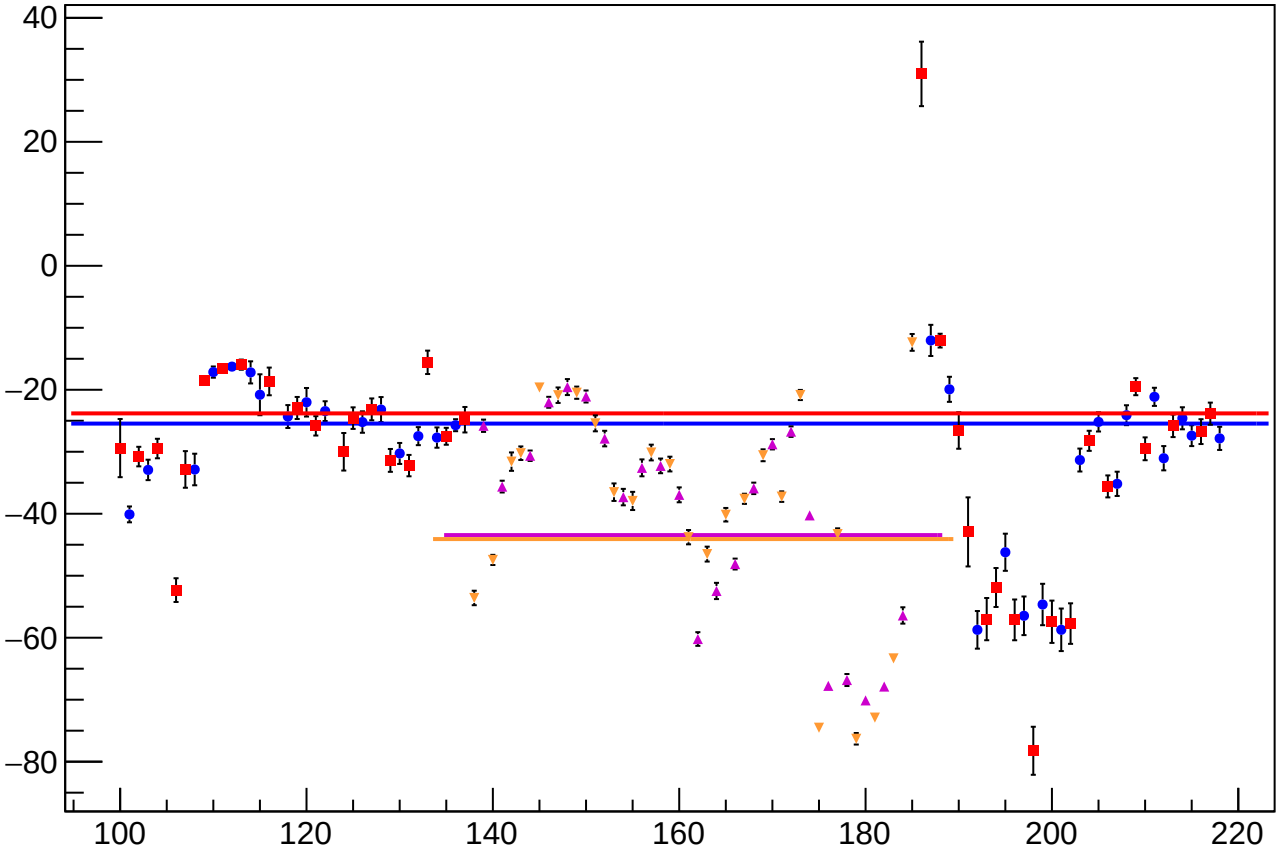
Right: -0.766+/-0.015 χ^2/NDF: 4419.4/67

In: -0.310+/-0.008 χ^2/NDF:5326.6/54

Out: -0.353+/-0.008 χ^2/NDF:5103.4/60

All: -0.332+/-0.006 χ^2/NDF: 10443.5/115

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -23.811+/-0.271 χ^2/NDF: 1560.9/35

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

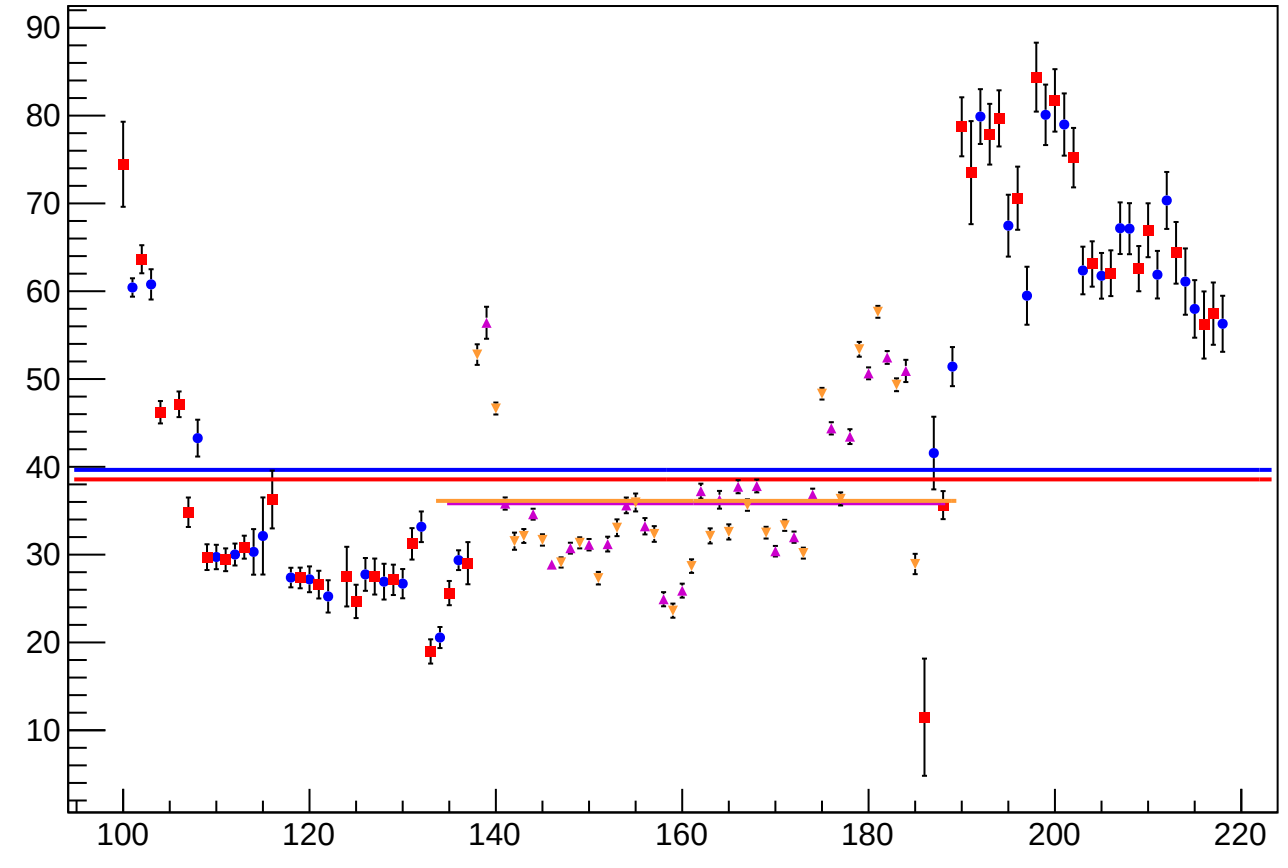
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

Right: -24.589+/-0.197 χ^2/NDF: 2542.0/67

In: -37.600+/-0.163 χ^2/NDF:11446.7/54

Out: -37.279+/-0.157 χ^2/NDF:15606.2/60

All: -37.433+/-0.113 χ^2/NDF: 27054.9/115



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: 38.568+/-0.333 χ^2/NDF: 2525.4/35

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

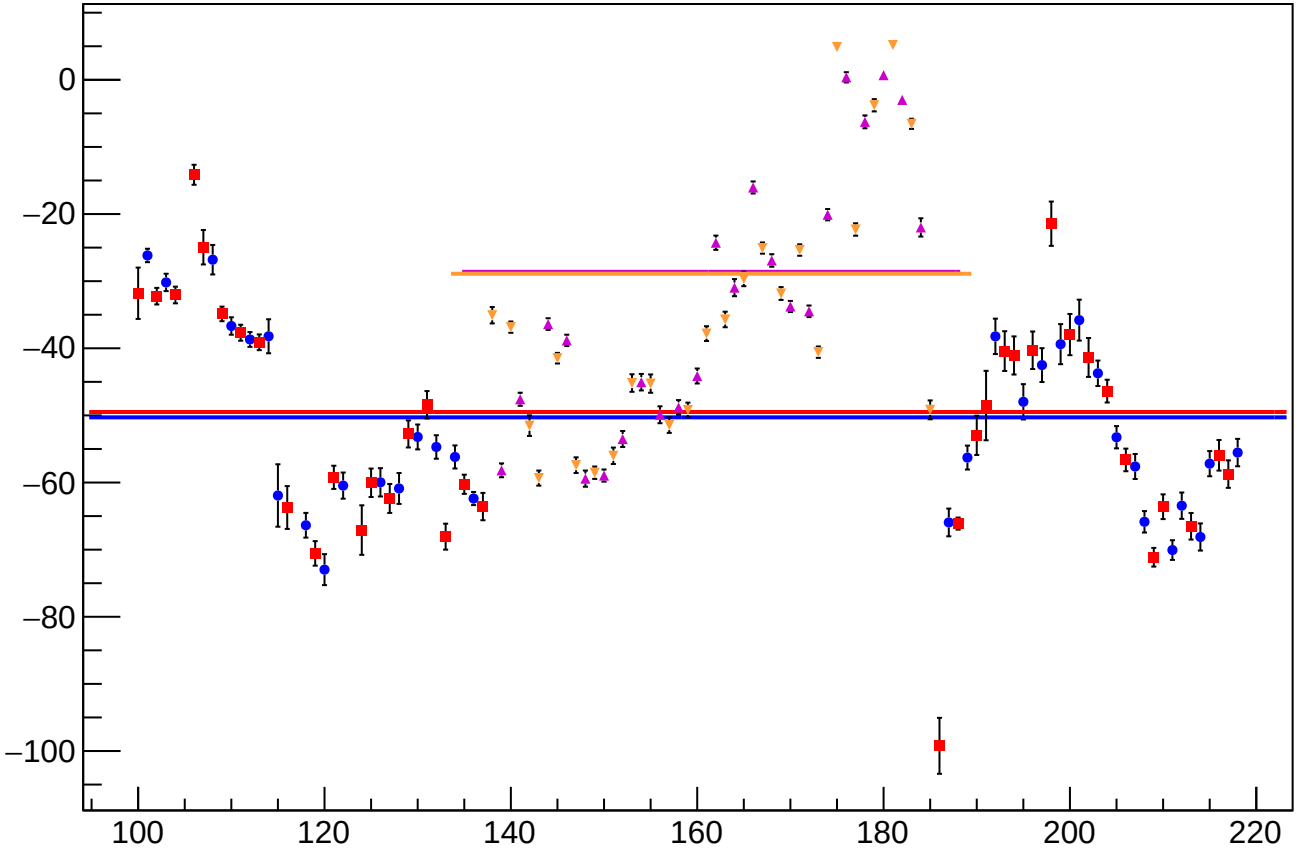
Right: 39.104+/-0.237 χ^2/NDF: 5069.7/67

In: 36.515+/-0.141 χ^2/NDF:4937.7/54

Out: 36.535+/-0.137 χ^2/NDF:6128.7/60

All: 36.526+/-0.098 χ^2/NDF: 11066.3/115

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -49.492+/-0.297 χ^2/NDF: 2927.0/35

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

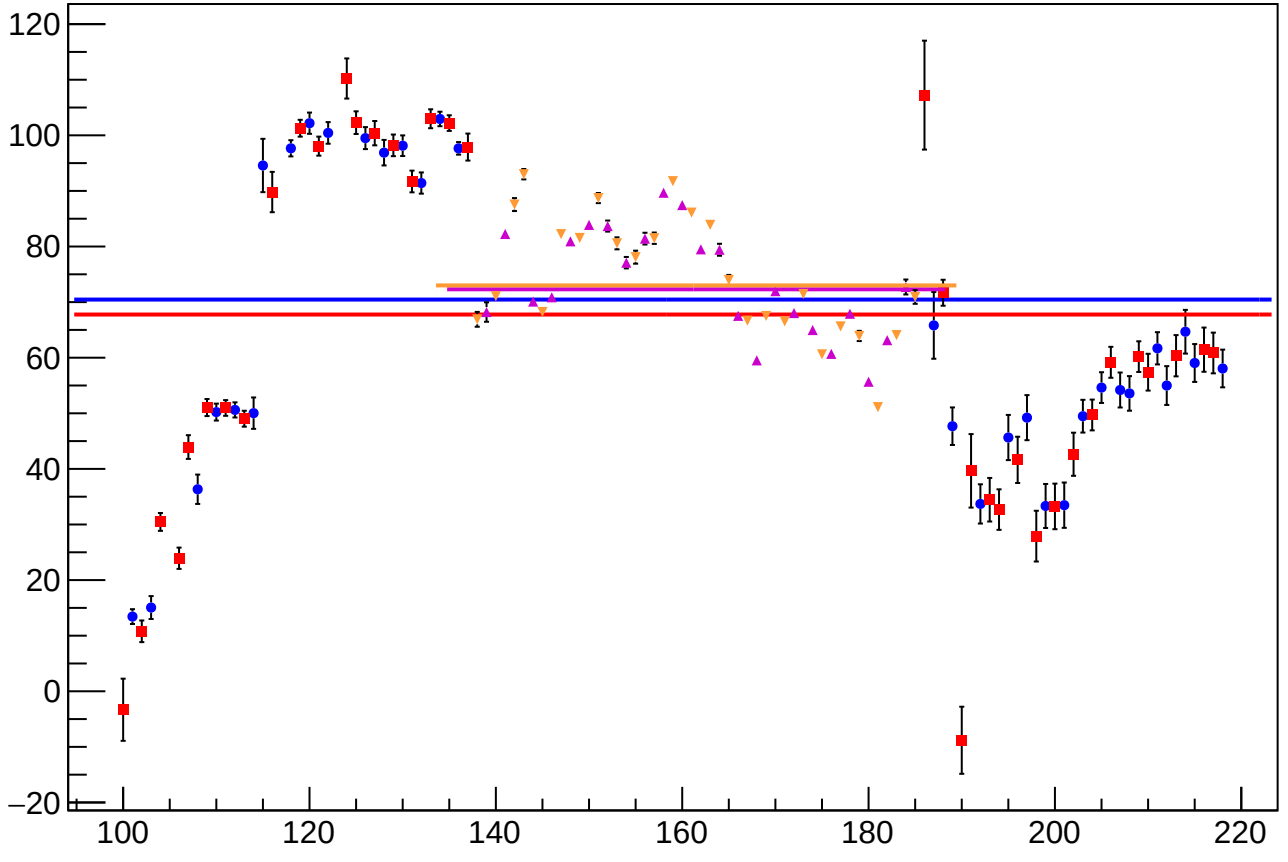
Right: -49.877+/-0.214 χ^2/NDF: 5118.7/67

In: -34.965+/-0.166 χ^2/NDF:15728.7/54

Out: -34.987+/-0.162 χ^2/NDF:18105.4/60

All: -34.976+/-0.116 χ^2/NDF: 33834.0/115

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 67.766+/-0.383 χ^2/NDF: 6375.1/35

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

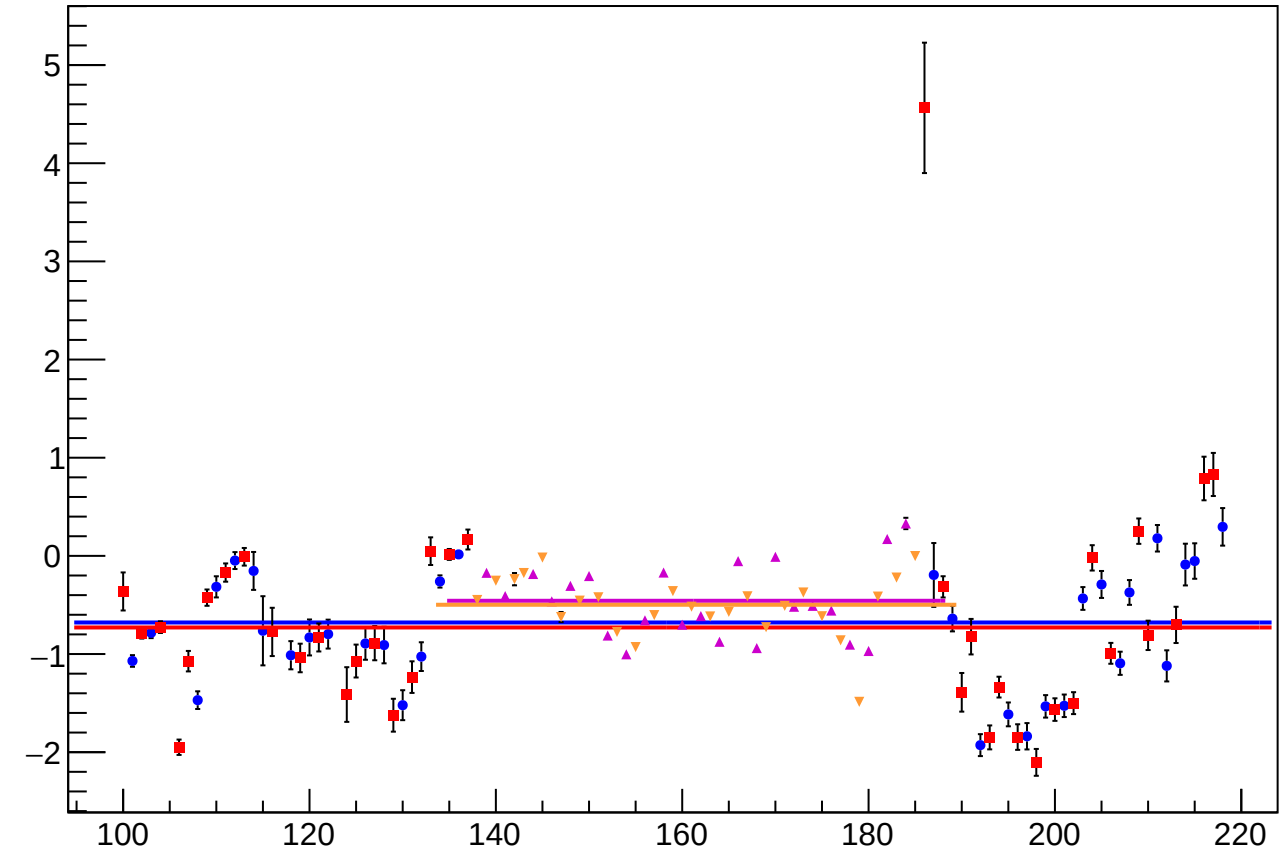
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 69.110+/-0.271 χ^2/NDF: 12928.1/67

In: 71.989+/-0.158 χ^2/NDF:9460.1/54

Out: 72.152+/-0.154 χ^2/NDF:10584.3/60

All: 72.072+/-0.110 χ^2/NDF: 20045.0/115



Right In: -0.679+/-0.019 χ^2/NDF: 1016.4/31

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.729+/-0.018 χ^2/NDF: 1388.8/35

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

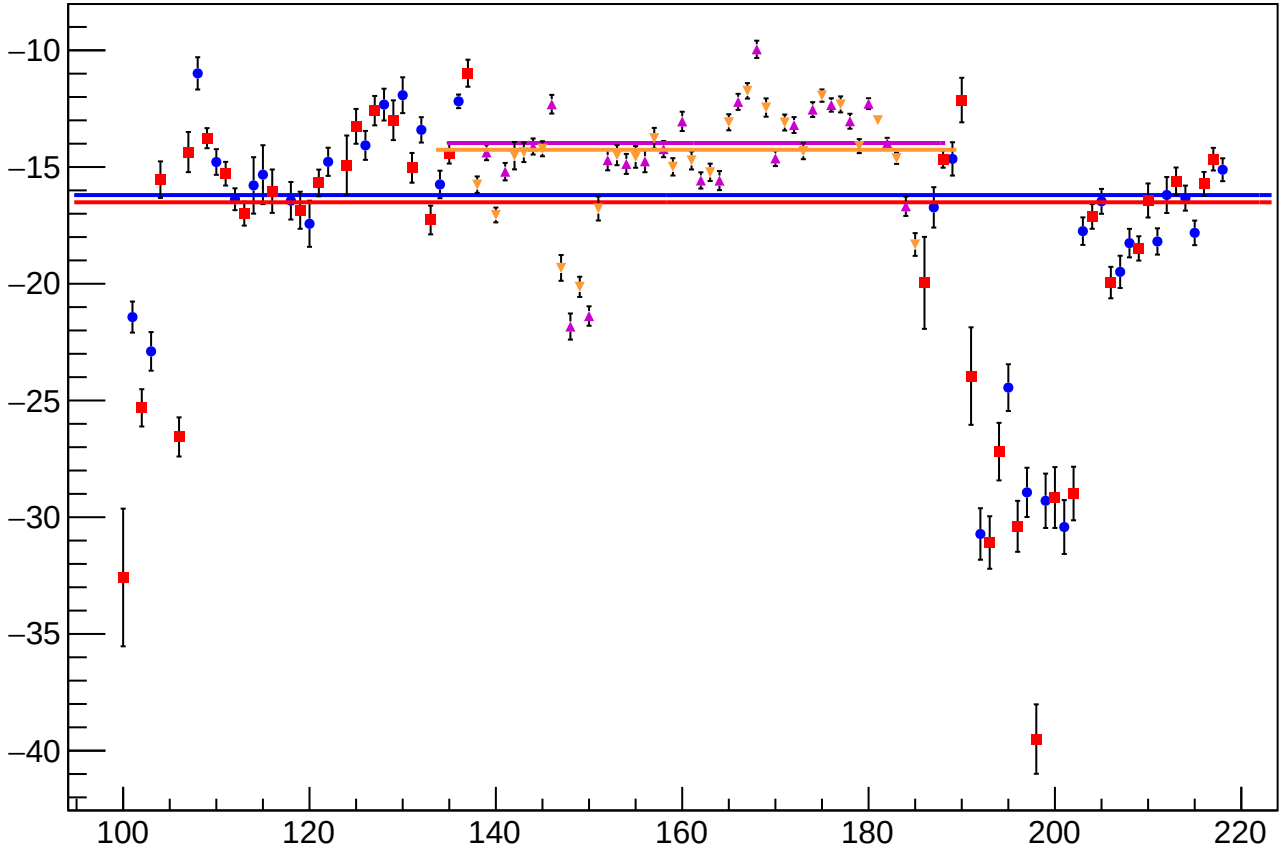
Right: -0.704+/-0.013 χ^2/NDF: 2408.9/67

In: -0.490+/-0.007 χ^2/NDF:3240.0/54

Out: -0.531+/-0.007 χ^2/NDF:3006.0/60

All: -0.511+/-0.005 χ^2/NDF: 6263.3/115

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: -16.510+/-0.112 χ^2/NDF: 1528.9/35

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

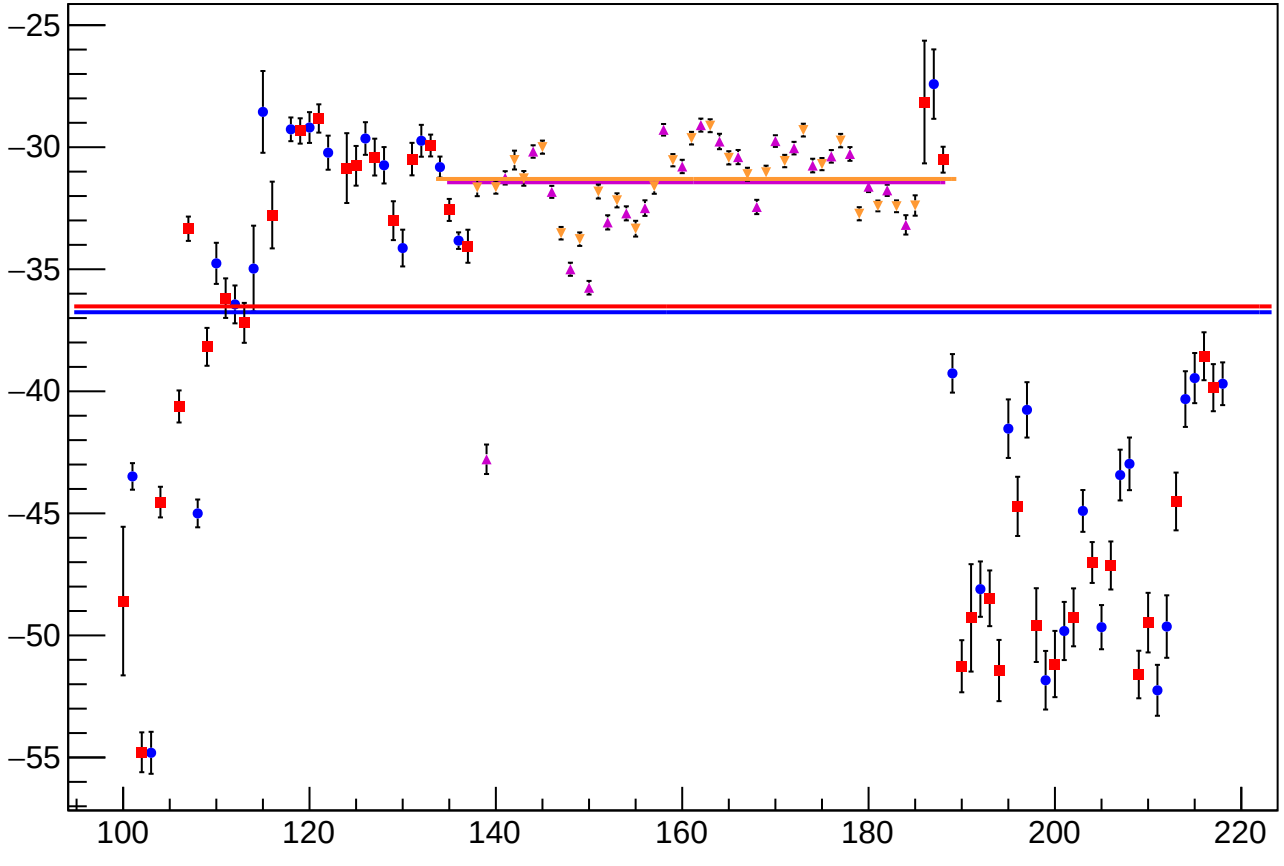
Right: -16.356+/-0.079 χ^2/NDF: 2760.7/67

In: -14.620+/-0.061 χ^2/NDF:2416.4/54

Out: -14.889+/-0.059 χ^2/NDF:2543.9/60

All: -14.758+/-0.042 χ^2/NDF: 4970.4/115

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: -36.521+/-0.132 χ^2/NDF: 3335.6/35

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

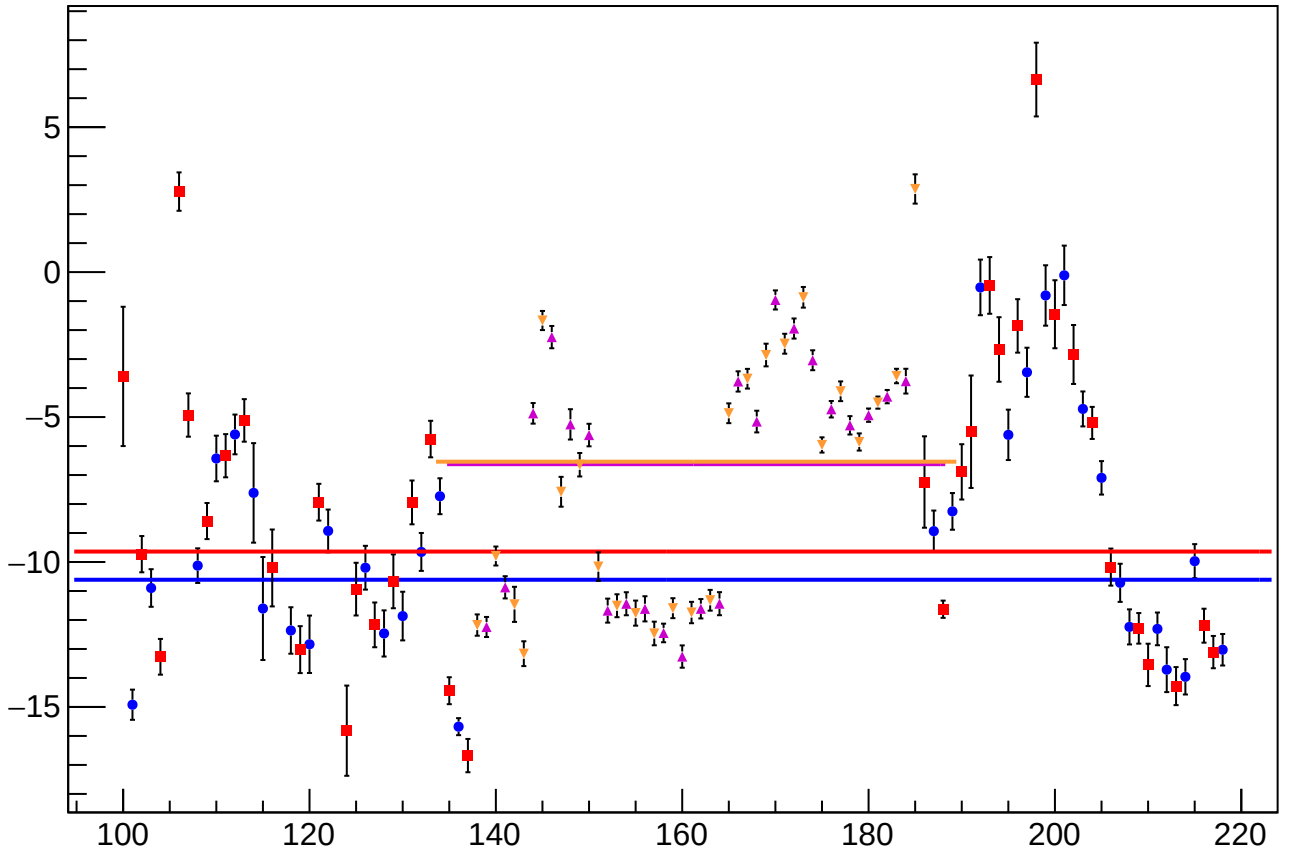
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -36.640+/-0.093 χ^2/NDF: 6387.9/67

In: -32.278+/-0.053 χ^2/NDF:5631.4/54

Out: -32.082+/-0.051 χ^2/NDF:5225.6/60

All: -32.177+/-0.037 χ^2/NDF: 10864.1/115



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: -9.640+/-0.116 χ^2/NDF: 1590.1/35

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

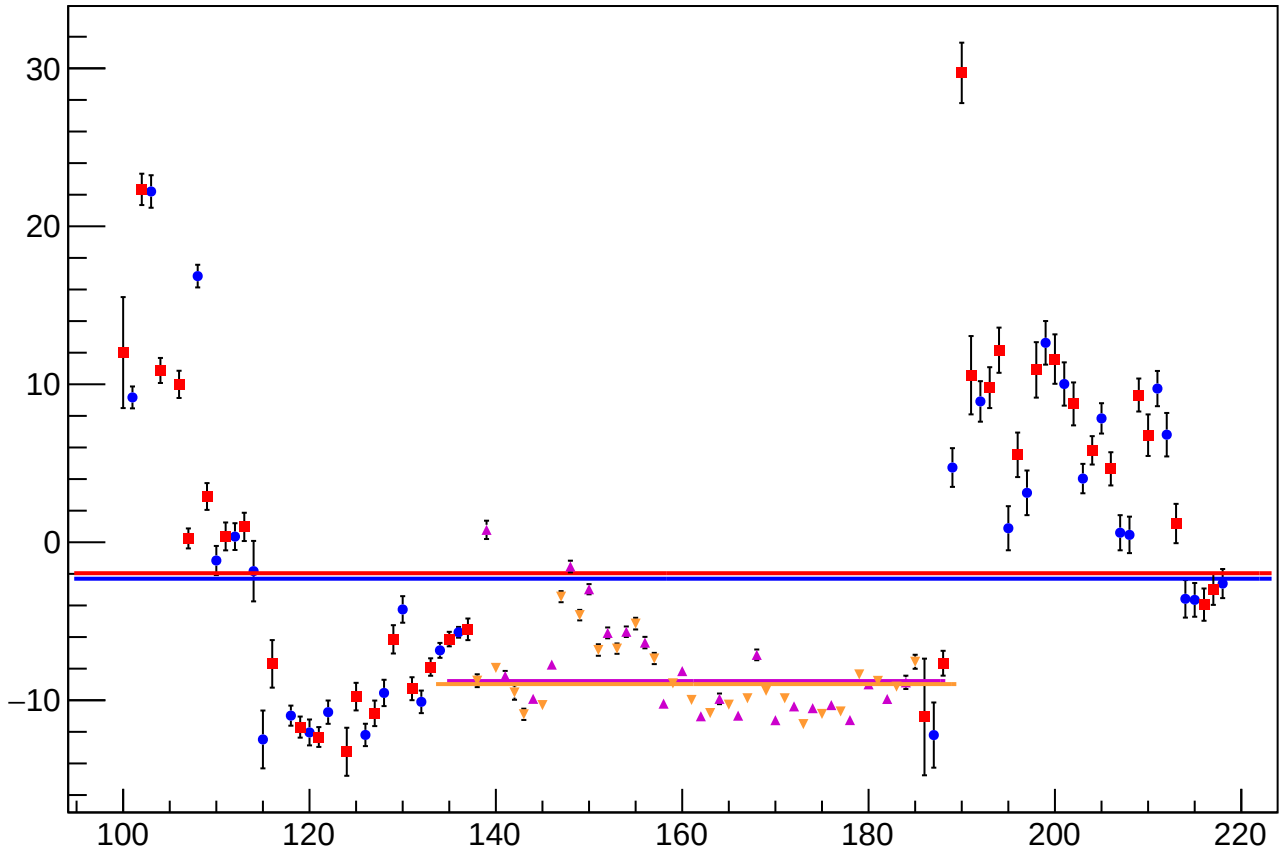
Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

Right: -10.123+/-0.082 χ^2/NDF: 2768.5/67

In: -7.715+/-0.061 χ^2/NDF:4902.9/54

Out: -7.363+/-0.060 χ^2/NDF:5360.2/60

All: -7.535+/-0.043 χ^2/NDF: 10280.2/115



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: -1.959+/-0.152 χ^2/NDF: 3281.7/35

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

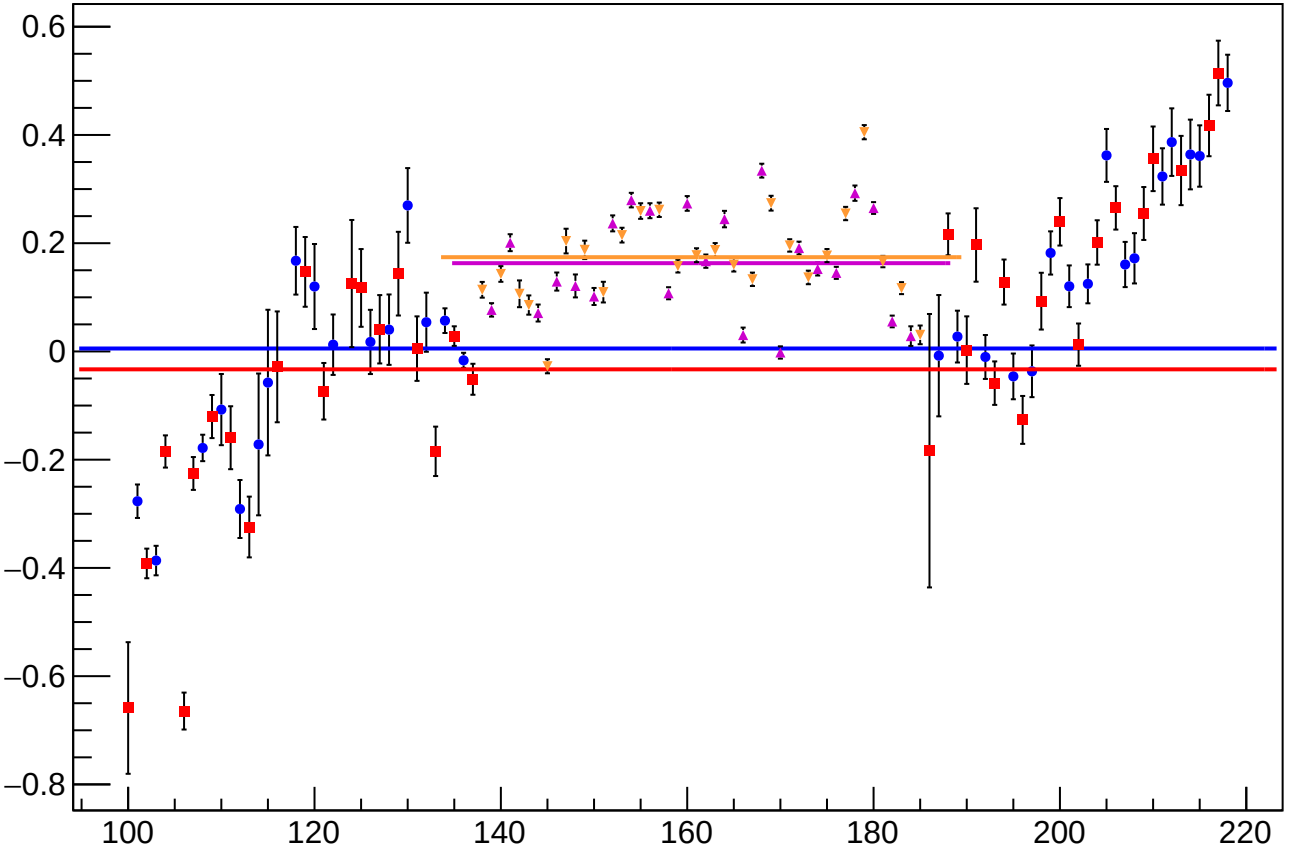
Right: -2.137+/-0.106 χ^2/NDF: 6610.1/67

In: -7.787+/-0.058 χ^2/NDF:6618.7/54

Out: -7.987+/-0.057 χ^2/NDF:6094.4/60

All: -7.889+/-0.041 χ^2/NDF: 12719.1/115

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -0.033+/-0.007 χ^2/NDF: 1152.3/35

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

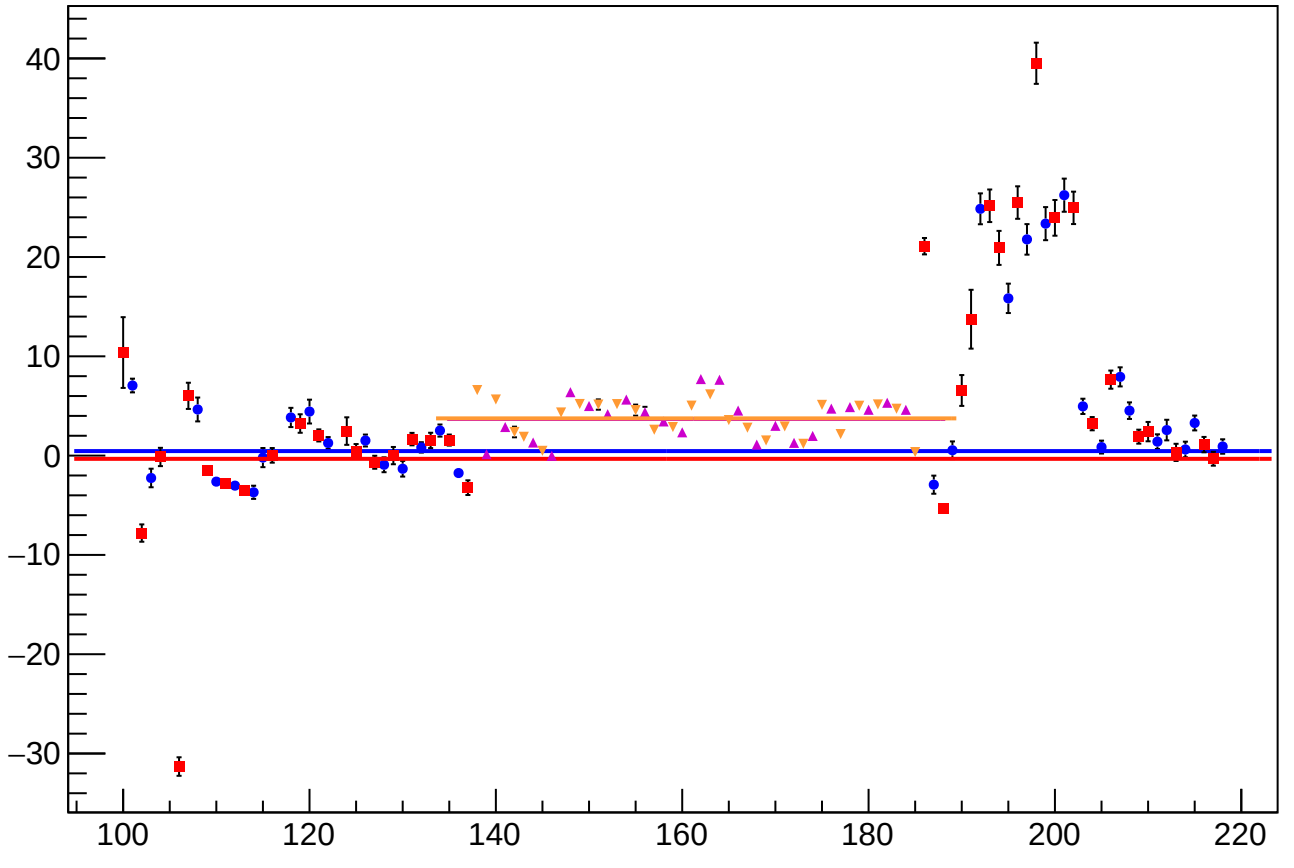
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.013+/-0.005 χ^2/NDF: 1937.6/67

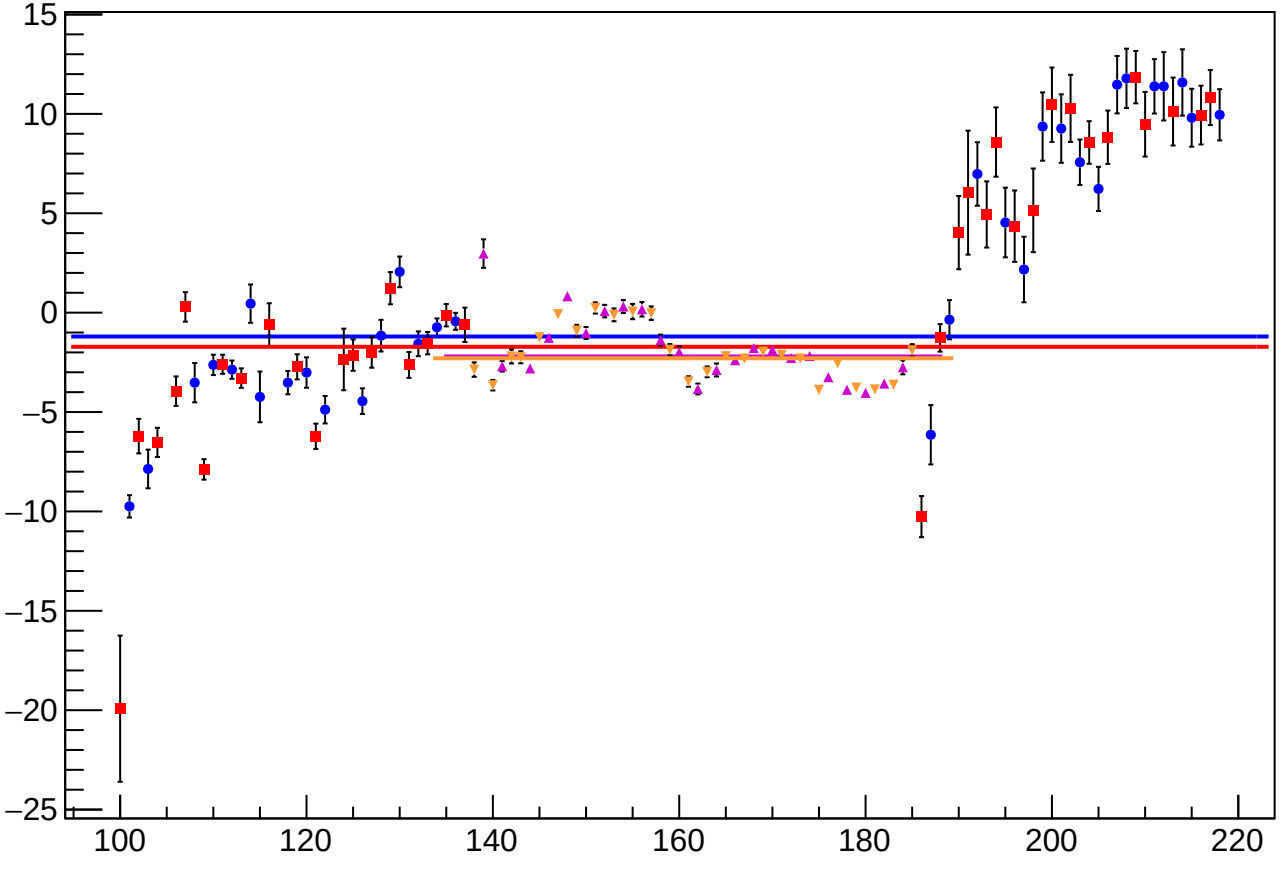
In: 0.141+/-0.003 χ^2/NDF:2411.6/54

Out: 0.148+/-0.003 χ^2/NDF:2800.2/60

All: 0.145+/-0.002 χ^2/NDF: 5215.4/115


reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
220
Right In: 0.456+/-0.117 χ²/NDF: 1604.4/31
Left Out: 3.750+/-0.062 χ²/NDF:809.8/24
Right Out: -0.324+/-0.112 χ²/NDF: 3864.6/35
Left In: 3.688+/-0.064 χ²/NDF:953.3/22
Left: 3.720+/-0.044 χ²/NDF: 1763.6/47
Right: 0.046+/-0.081 χ²/NDF: 5492.3/67
In: 2.948+/-0.056 χ²/NDF:3143.4/54
Out: 2.788+/-0.054 χ²/NDF:5694.4/60
All: 2.865+/-0.039 χ²/NDF: 8842.0/115

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -1.718+/-0.142 χ^2/NDF: 1097.3/35

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

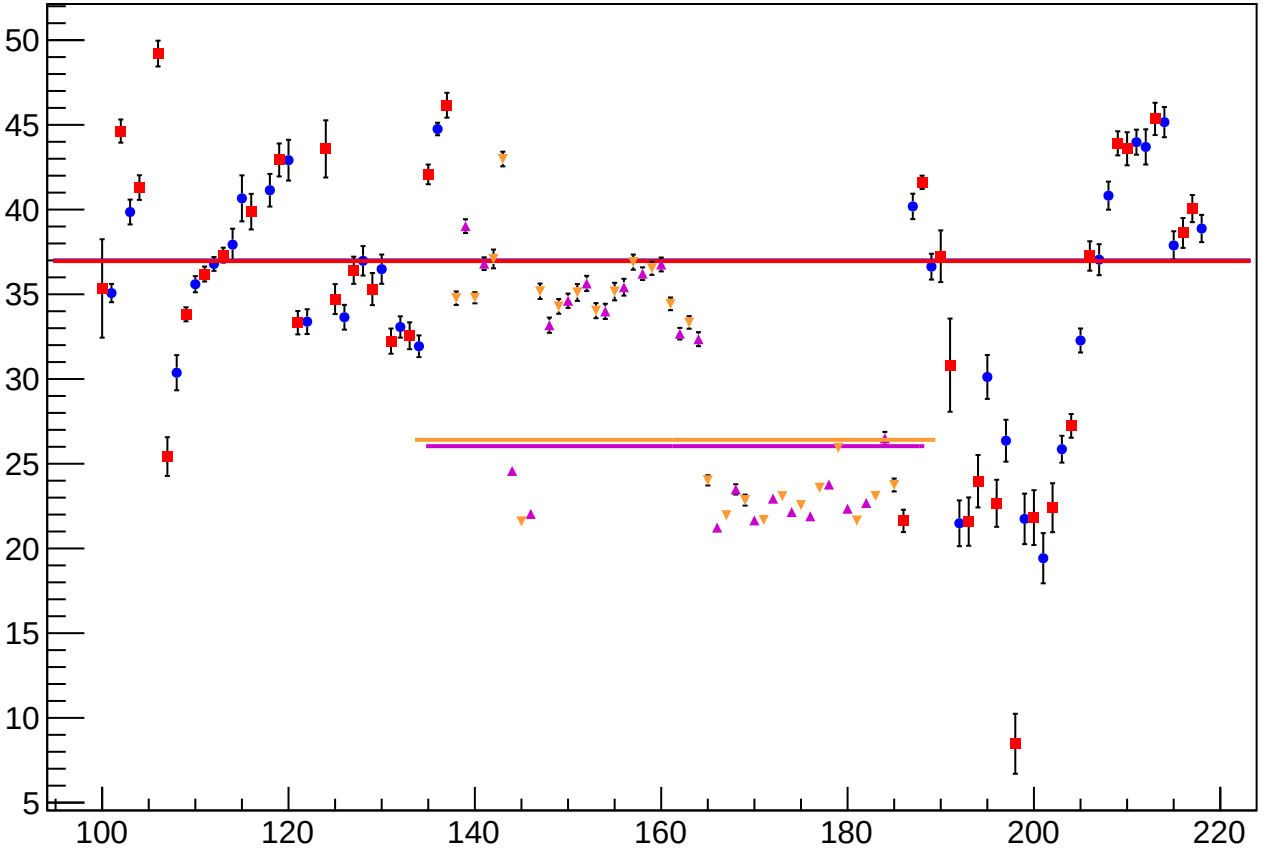
Right: -1.459+/-0.101 χ^2/NDF: 2226.7/67

In: -2.092+/-0.048 χ^2/NDF:1891.4/54

Out: -2.232+/-0.047 χ^2/NDF:1743.4/60

All: -2.163+/-0.033 χ^2/NDF: 3639.2/115

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: 36.960+/-0.127 χ^2/NDF: 2840.9/35

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

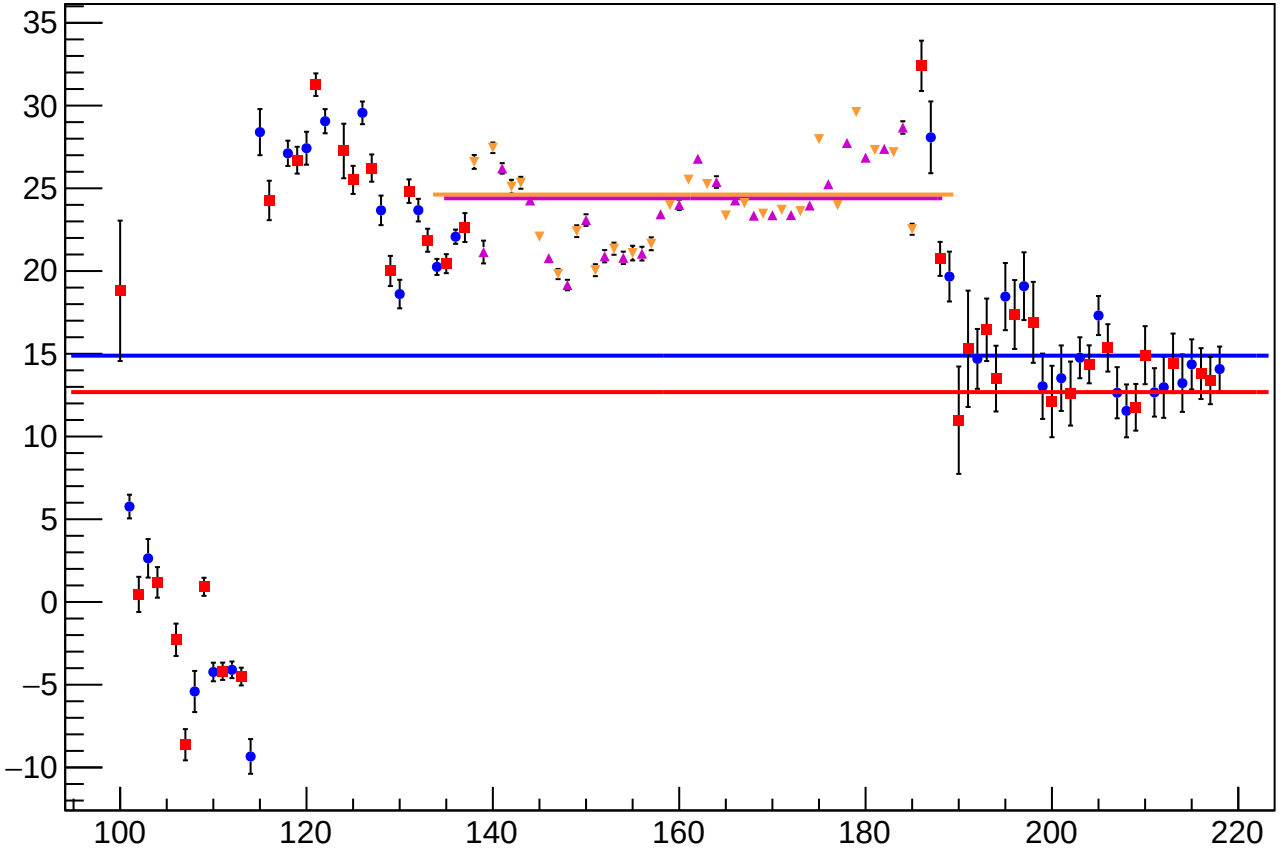
Right: 36.978+/-0.091 χ^2/NDF: 4538.5/67

In: 28.138+/-0.057 χ^2/NDF:15186.2/54

Out: 28.443+/-0.056 χ^2/NDF:17590.6/60

All: 28.294+/-0.040 χ^2/NDF: 32791.4/115

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: 12.684+/-0.162 χ^2/NDF: 6374.5/35

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

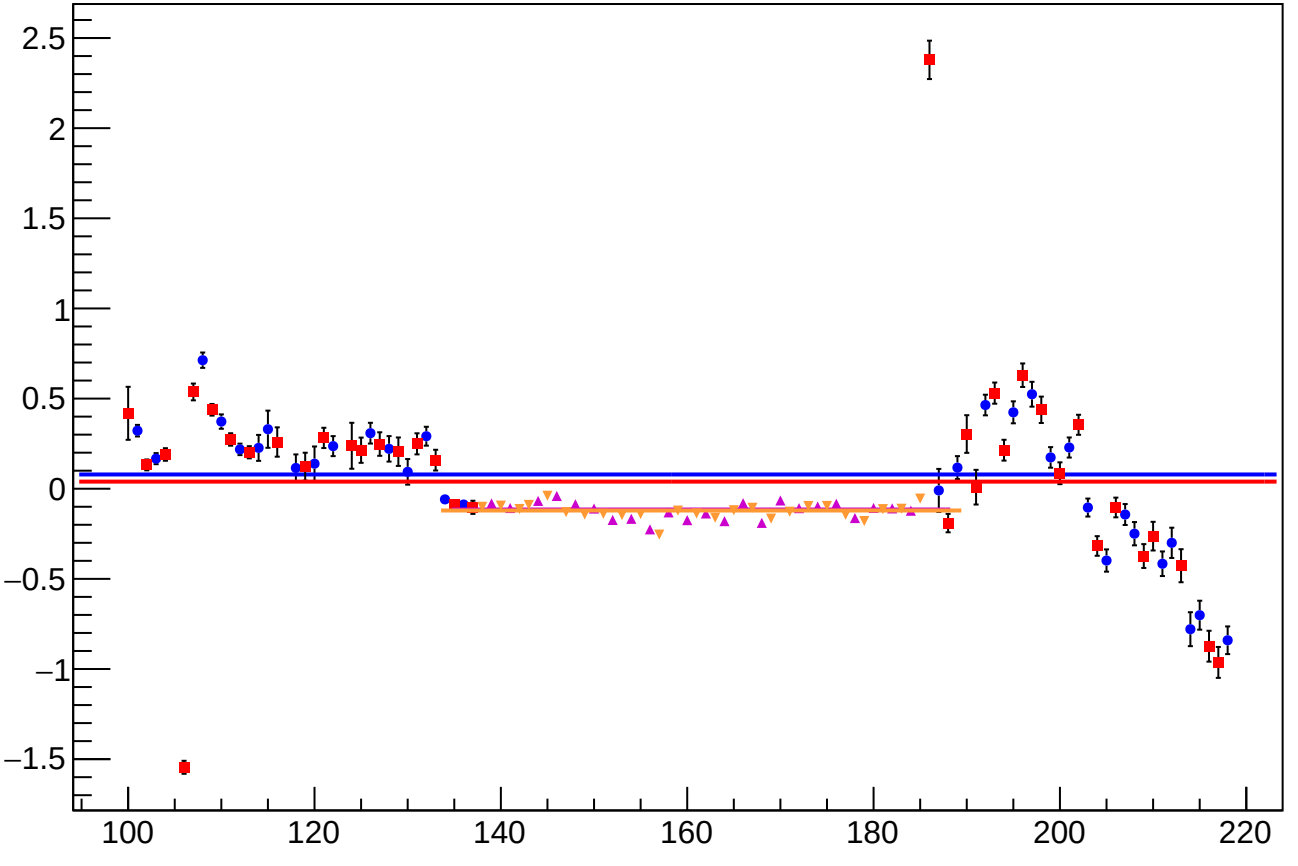
Right: 13.800+/-0.114 χ^2/NDF: 12226.3/67

In: 23.339+/-0.053 χ^2/NDF:10630.5/54

Out: 23.379+/-0.052 χ^2/NDF:13209.5/60

All: 23.359+/-0.037 χ^2/NDF: 23840.2/115

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: 0.039+/-0.008 χ^2/NDF: 3526.9/35

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

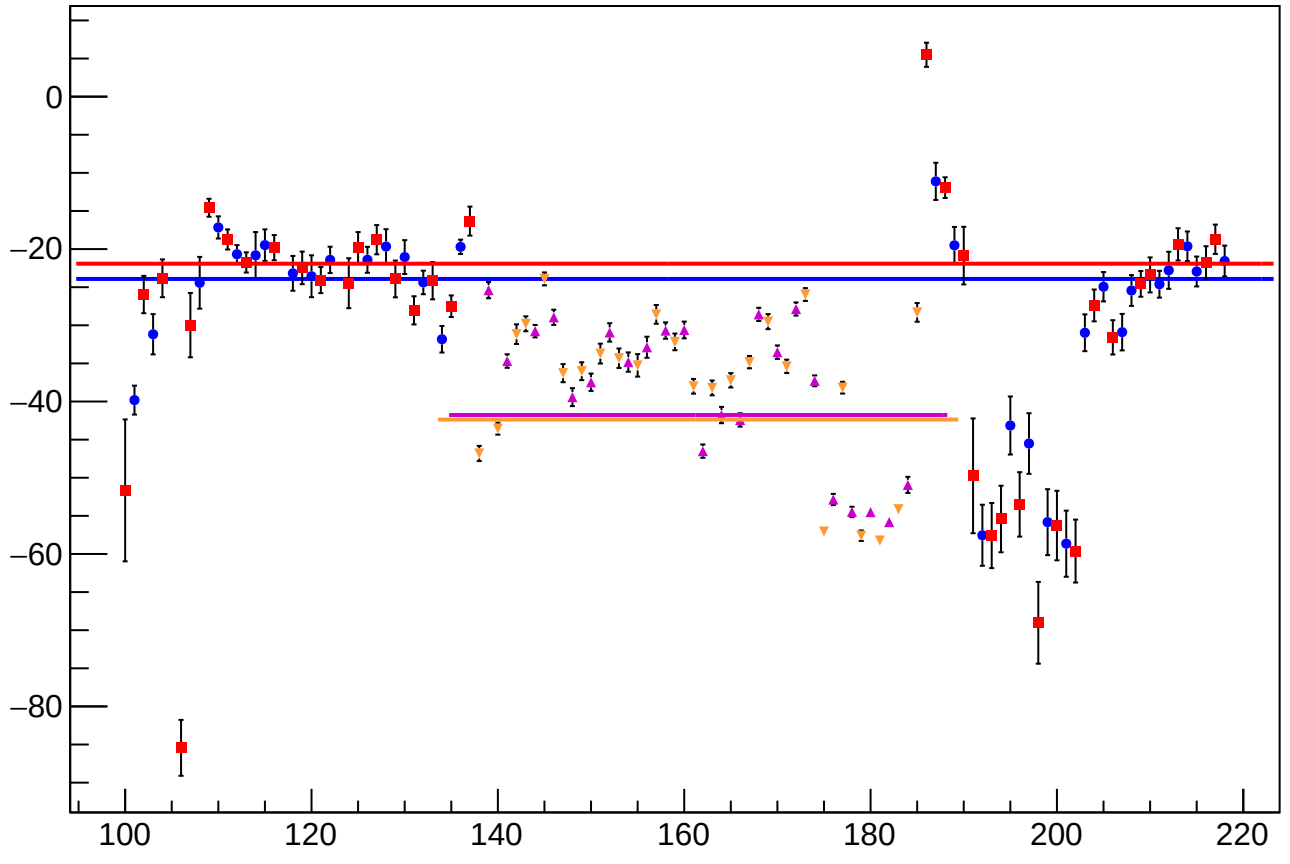
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.060+/-0.006 χ^2/NDF: 4717.8/67

In: -0.099+/-0.002 χ^2/NDF:1988.4/54

Out: -0.108+/-0.002 χ^2/NDF:4125.3/60

All: -0.103+/-0.002 χ^2/NDF: 6121.8/115



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: -21.918+/-0.347 χ^2/NDF: 1207.0/35

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

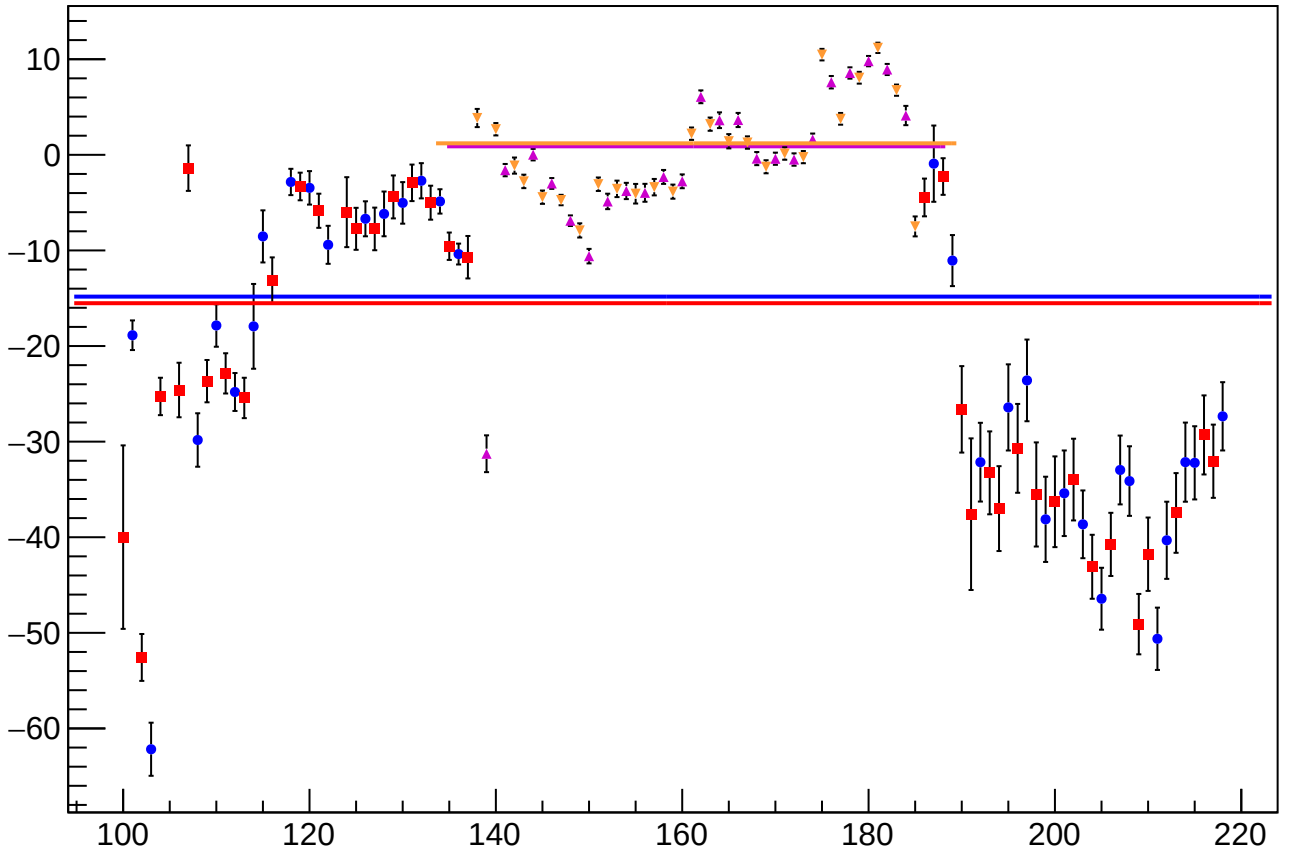
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -22.904+/-0.247 χ^2/NDF: 1685.5/67

In: -38.014+/-0.161 χ^2/NDF:5948.1/54

Out: -38.220+/-0.156 χ^2/NDF:8446.0/60

All: -38.120+/-0.112 χ^2/NDF: 14395.0/115



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: -15.520+/-0.418 χ^2/NDF: 1149.4/35

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

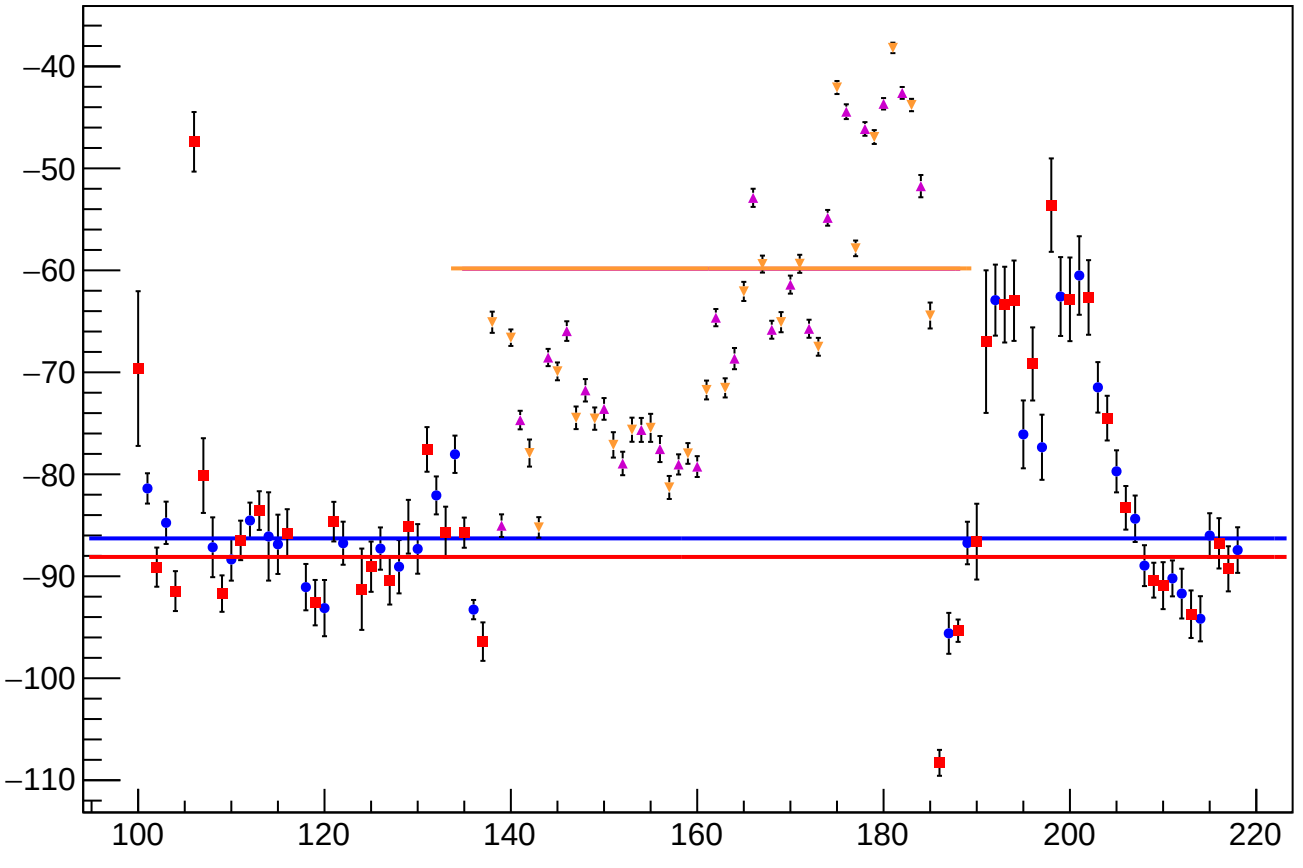
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -15.167+/-0.292 χ^2/NDF: 2306.3/67

In: -0.833+/-0.135 χ^2/NDF:4244.1/54

Out: -0.446+/-0.131 χ^2/NDF:4057.8/60

All: -0.634+/-0.094 χ^2/NDF: 8306.0/115



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: -88.104+/-0.369 χ^2/NDF: 890.4/35

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

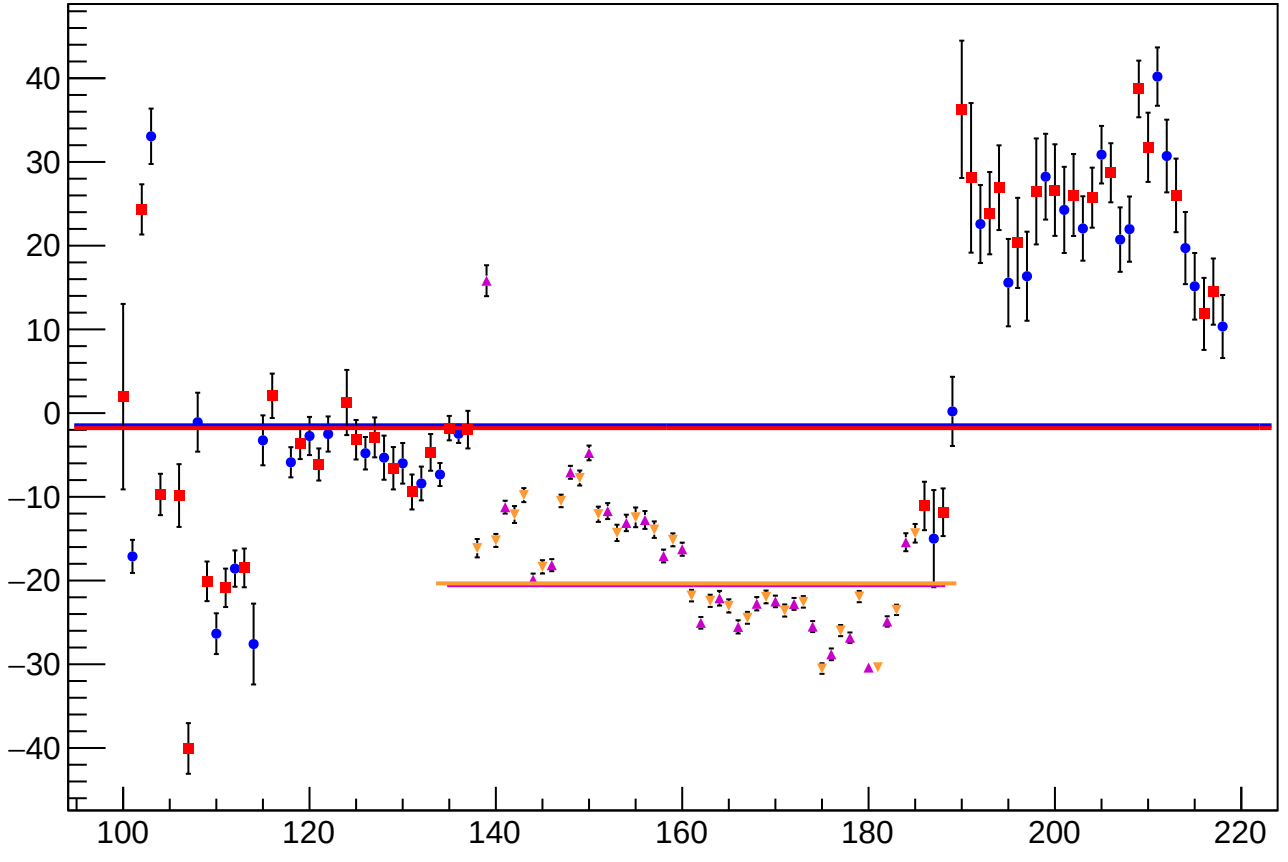
Right: -87.208+/-0.262 χ^2/NDF: 1245.5/67

In: -64.870+/-0.163 χ^2/NDF:9928.7/54

Out: -65.028+/-0.158 χ^2/NDF:12340.9/60

All: -64.951+/-0.114 χ^2/NDF: 22270.1/115

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: -1.795+/-0.479 χ^2/NDF: 1081.1/35

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

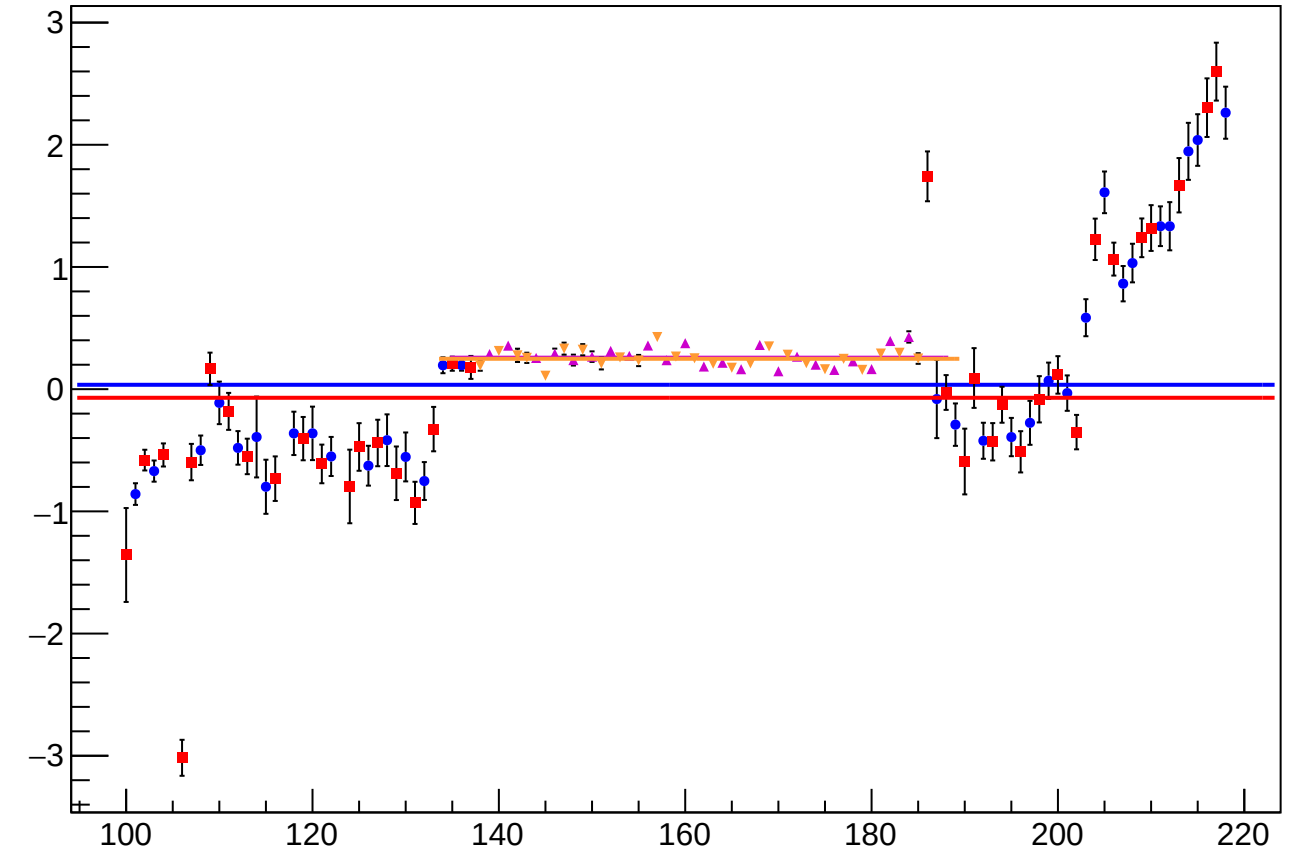
Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

Right: -1.619+/-0.331 χ^2/NDF: 2052.1/67

In: -18.487+/-0.151 χ^2/NDF:4715.0/54

Out: -18.586+/-0.147 χ^2/NDF:4141.9/60

All: -18.538+/-0.105 χ^2/NDF: 8857.1/115



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: -0.070+/-0.024 χ^2/NDF: 1247.1/35

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

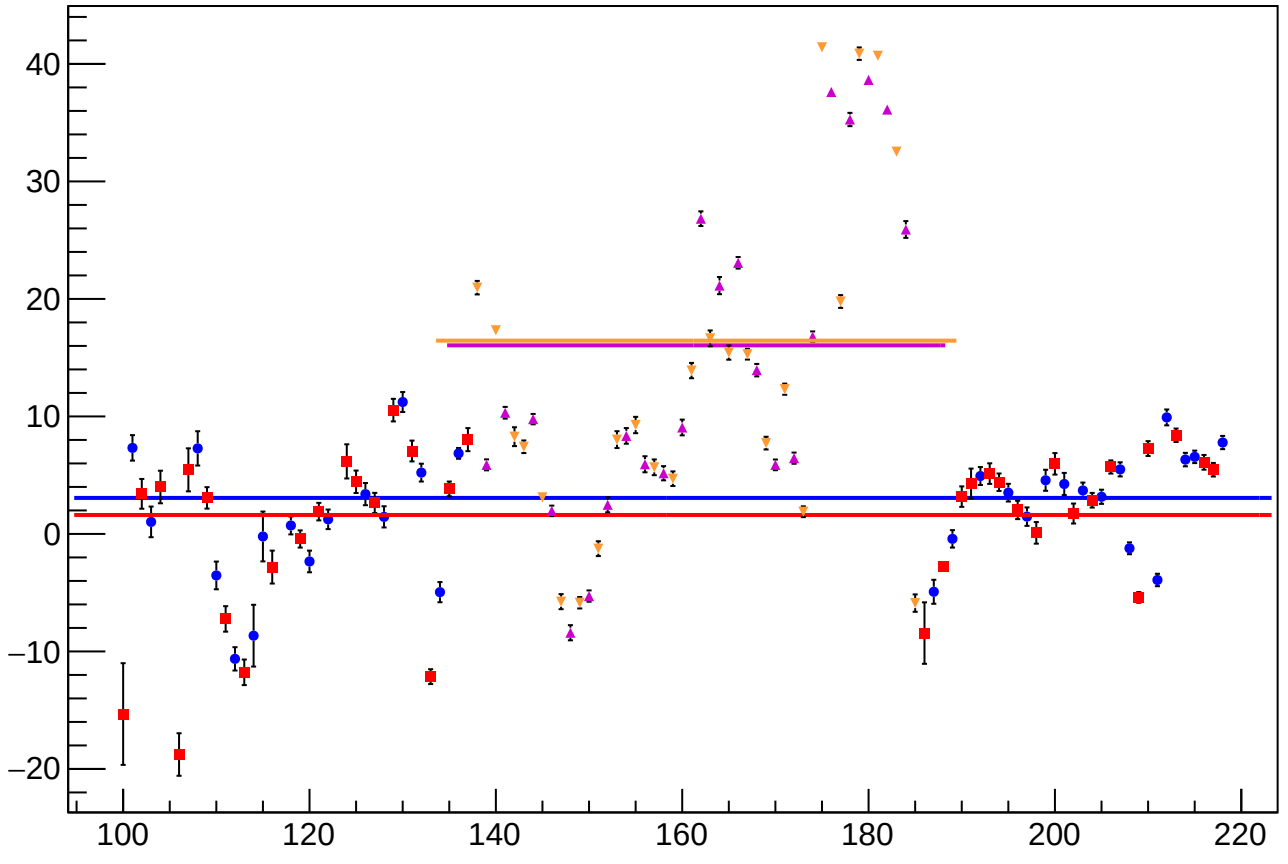
Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

Right: -0.014+/-0.017 χ^2/NDF: 2140.7/67

In: 0.238+/-0.007 χ^2/NDF:1104.5/54

Out: 0.224+/-0.007 χ^2/NDF:1502.5/60

All: 0.231+/-0.005 χ^2/NDF: 2609.0/115



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: 1.614+/-0.129 χ^2/NDF: 1888.3/35

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

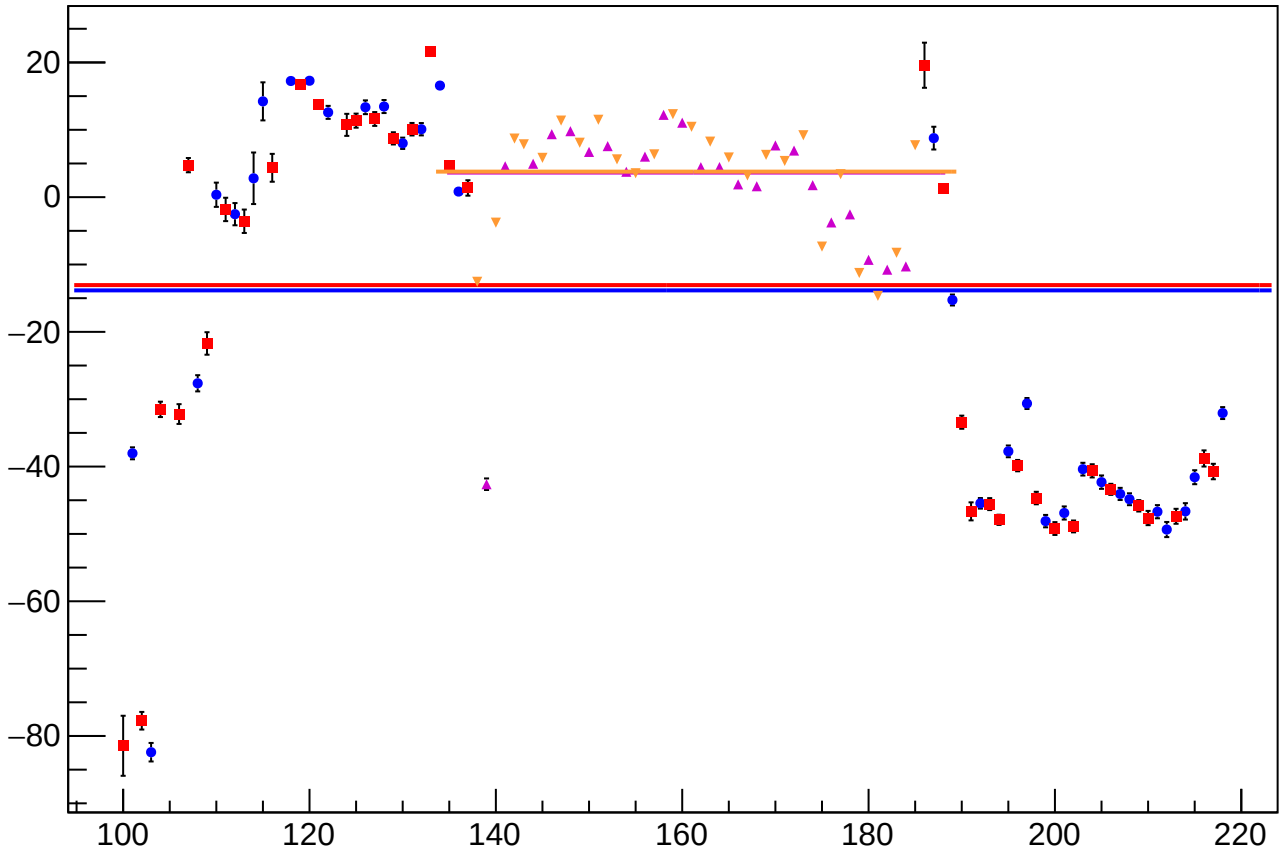
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 2.326+/-0.092 χ^2/NDF: 3137.9/67

In: 10.891+/-0.083 χ^2/NDF:24639.7/54

Out: 10.630+/-0.081 χ^2/NDF:31268.3/60

All: 10.757+/-0.058 χ^2/NDF: 55913.1/115



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: -13.057+/-0.152 χ^2/NDF: 35272.9/35

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

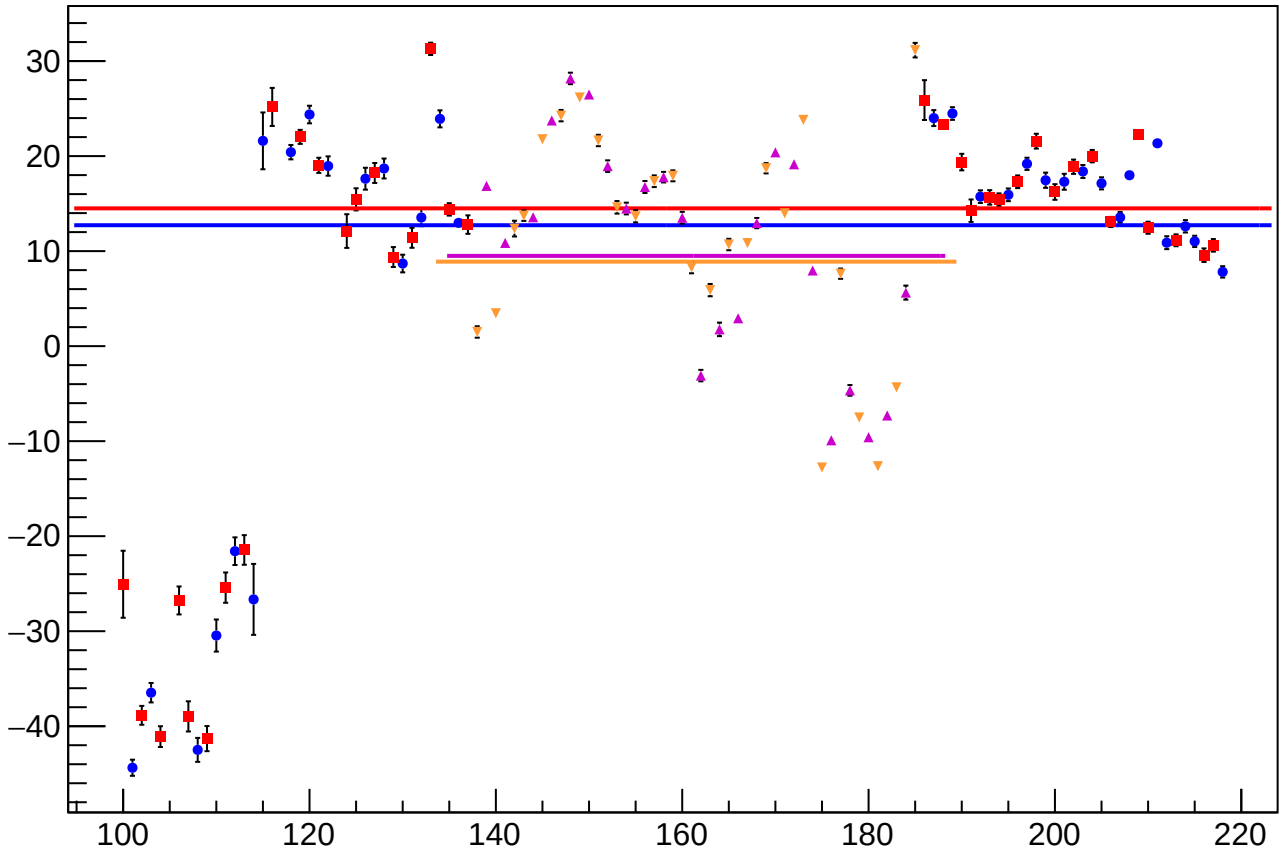
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -13.438+/-0.109 χ^2/NDF: 66402.8/67

In: -0.171+/-0.073 χ^2/NDF:49134.2/54

Out: 0.148+/-0.071 χ^2/NDF:53939.3/60

All: -0.006+/-0.051 χ^2/NDF: 103083.2/115



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: 14.499+/-0.128 χ^2/NDF: 12873.2/35

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

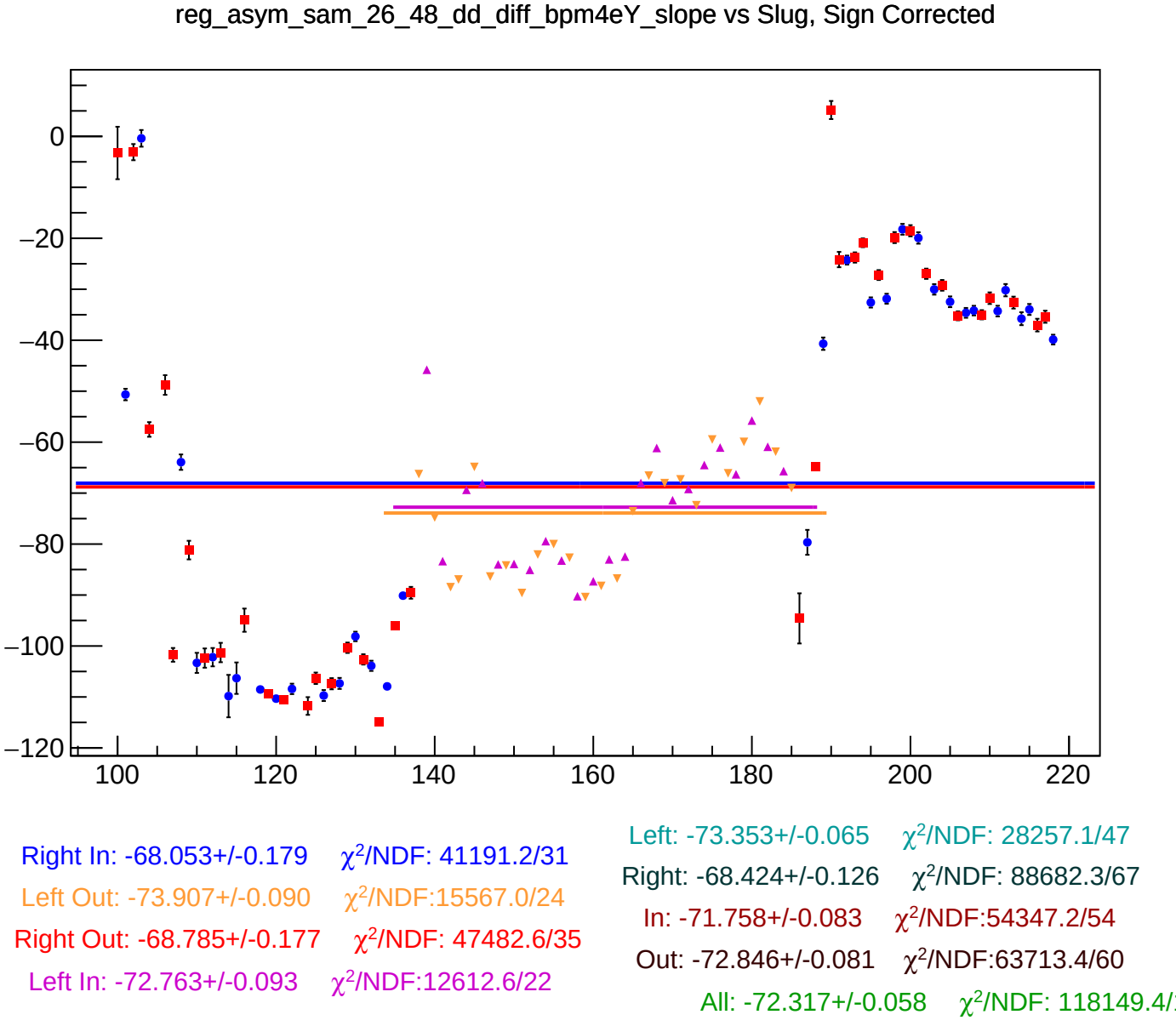
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

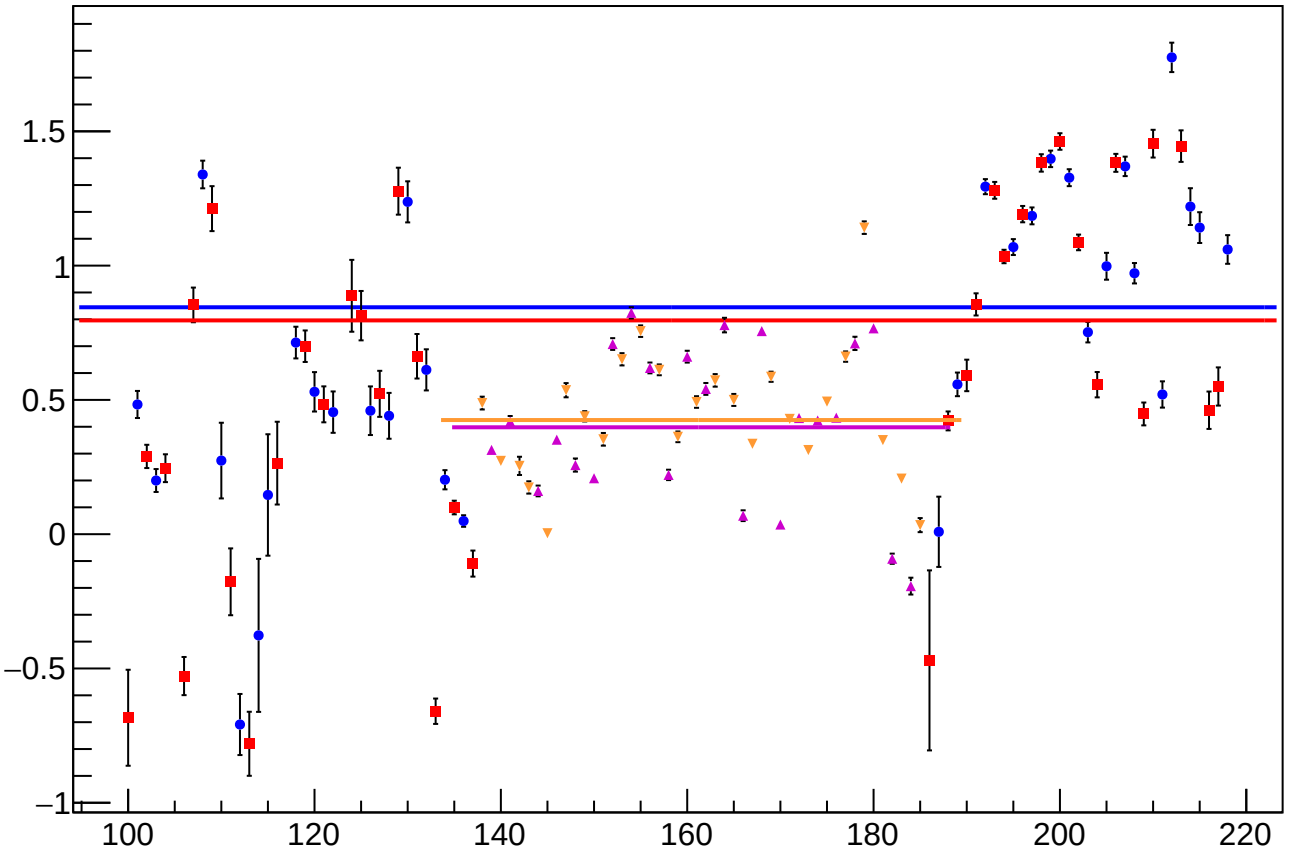
Right: 13.647+/-0.092 χ^2/NDF: 24857.7/67

In: 10.764+/-0.083 χ^2/NDF:25291.8/54

Out: 11.123+/-0.080 χ^2/NDF:29463.8/60

All: 10.949+/-0.058 χ^2/NDF: 54765.2/115


reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
120
140
160
180
200
220
Right In: -68.053+/-0.179 χ²/NDF: 41191.2/31
Left Out: -73.907+/-0.090 χ²/NDF:15567.0/24
Right Out: -68.785+/-0.177 χ²/NDF: 47482.6/35
Left In: -72.763+/-0.093 χ²/NDF:12612.6/22
Left: -73.353+/-0.065 χ²/NDF: 28257.1/47
Right: -68.424+/-0.126 χ²/NDF: 88682.3/67
In: -71.758+/-0.083 χ²/NDF:54347.2/54
Out: -72.846+/-0.081 χ²/NDF:63713.4/60
All: -72.317+/-0.058 χ²/NDF: 118149.4/115



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: 0.796+/-0.008 χ^2/NDF: 5311.6/35

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

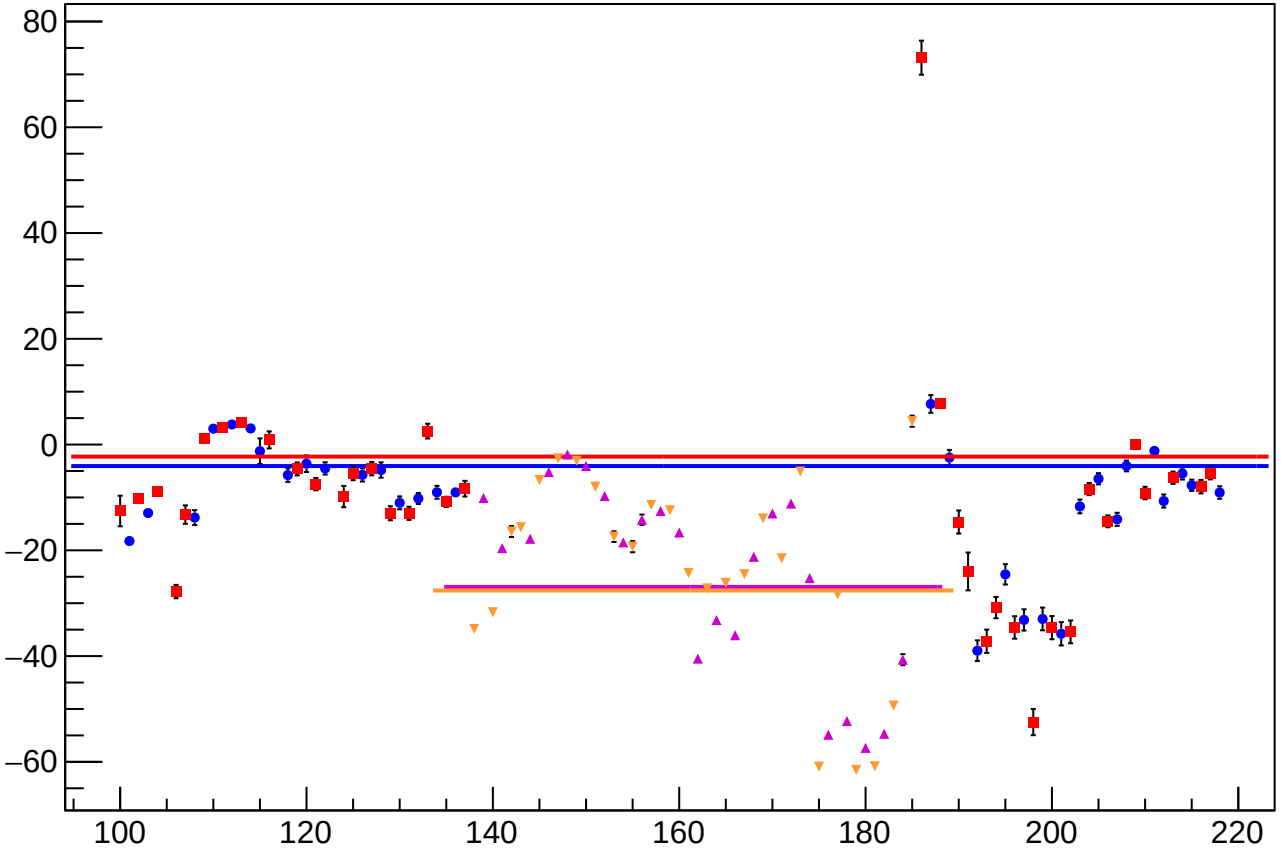
Right: 0.820+/-0.006 χ^2/NDF: 9466.5/67

In: 0.493+/-0.004 χ^2/NDF:10904.8/54

Out: 0.505+/-0.004 χ^2/NDF:10155.5/60

All: 0.499+/-0.003 χ^2/NDF: 21065.7/115

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: -2.278+/-0.152 χ^2/NDF: 4105.6/35

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

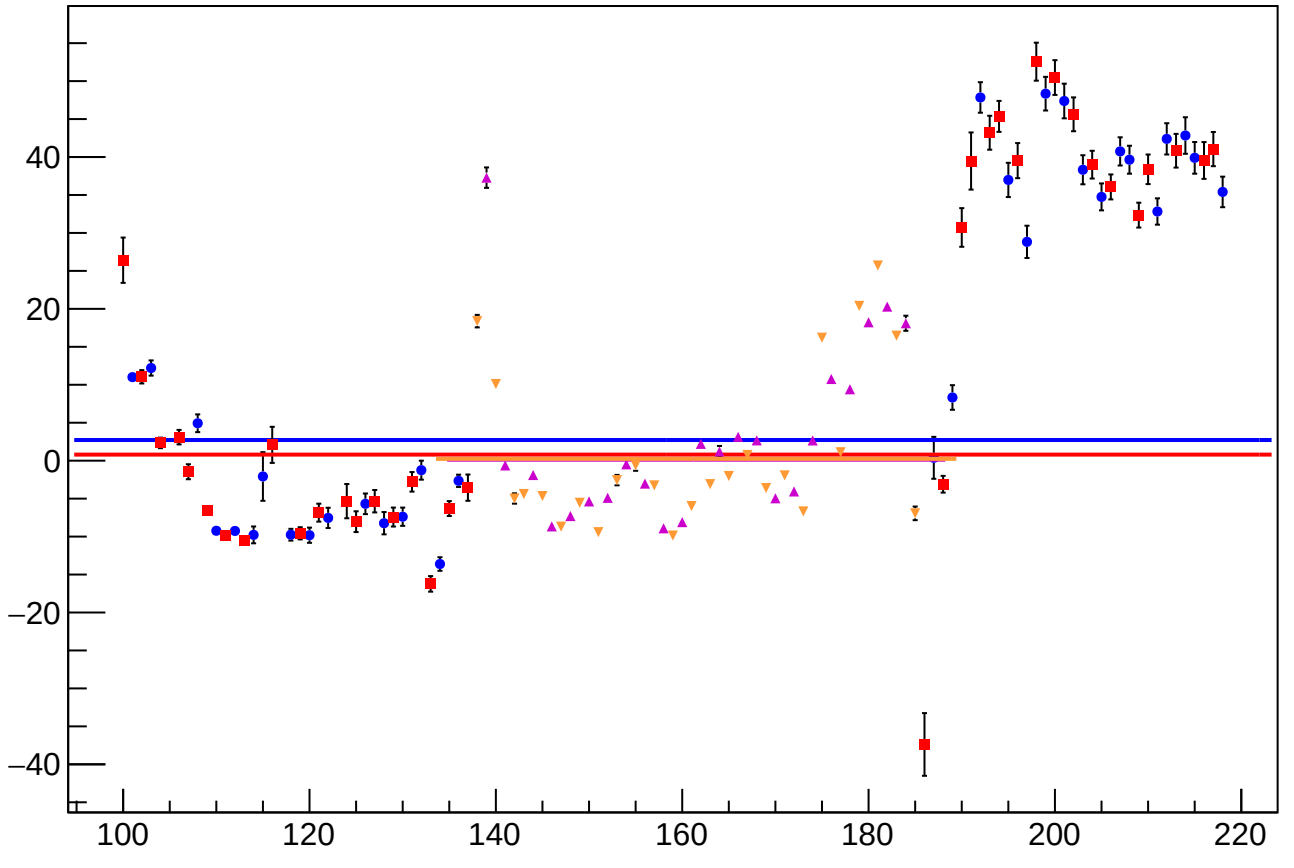
Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

Right: -3.092+/-0.112 χ^2/NDF: 7010.7/67

In: -16.690+/-0.111 χ^2/NDF:28877.1/54

Out: -15.557+/-0.105 χ^2/NDF:38500.6/60

All: -16.090+/-0.076 χ^2/NDF: 67433.0/115



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: 0.799+/-0.200 χ^2/NDF: 7014.5/35

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

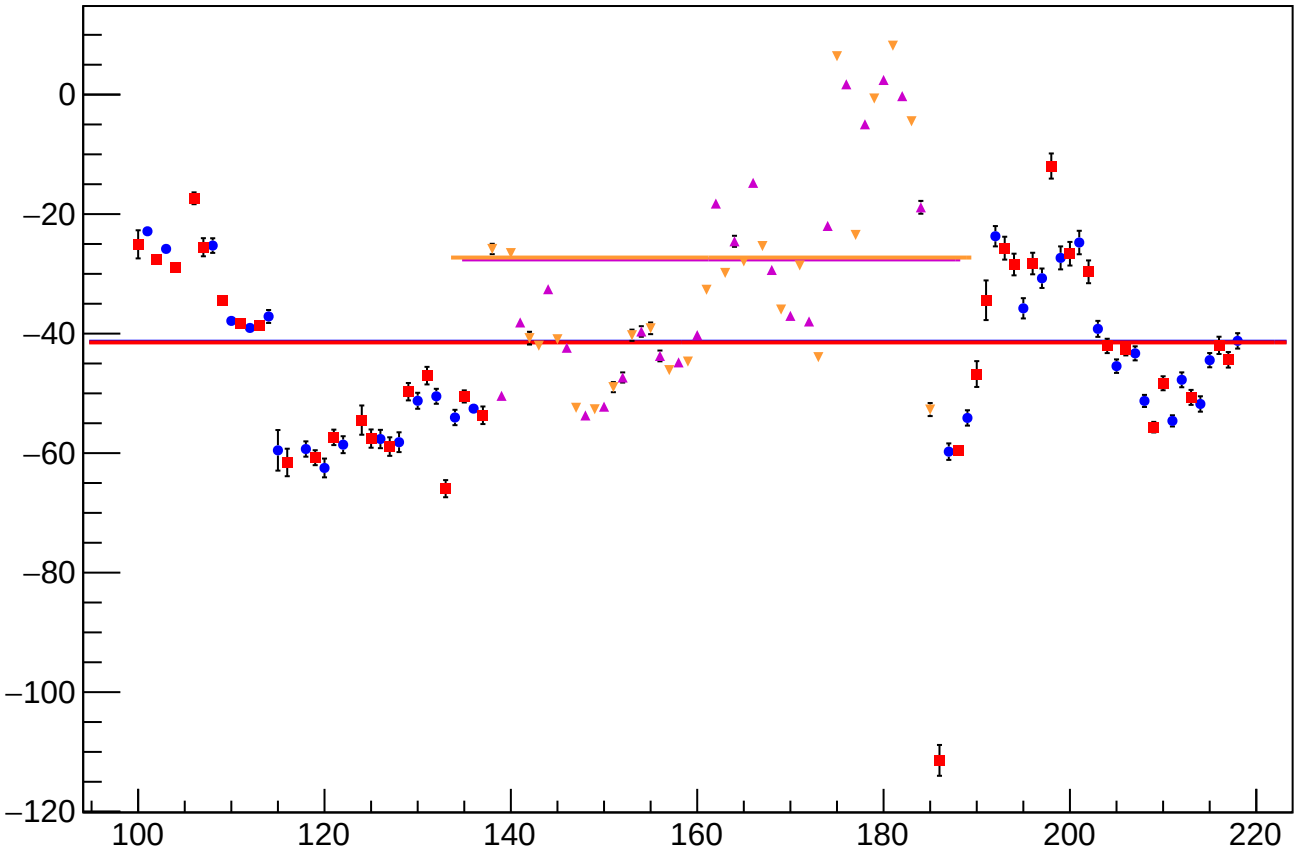
Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

Right: 1.731+/-0.143 χ^2/NDF: 14047.3/67

In: 0.743+/-0.100 χ^2/NDF:12946.2/54

Out: 0.369+/-0.097 χ^2/NDF:15056.1/60

All: 0.550+/-0.069 χ^2/NDF: 28009.5/115



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: -41.474+/-0.177 χ^2/NDF: 5358.0/35

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

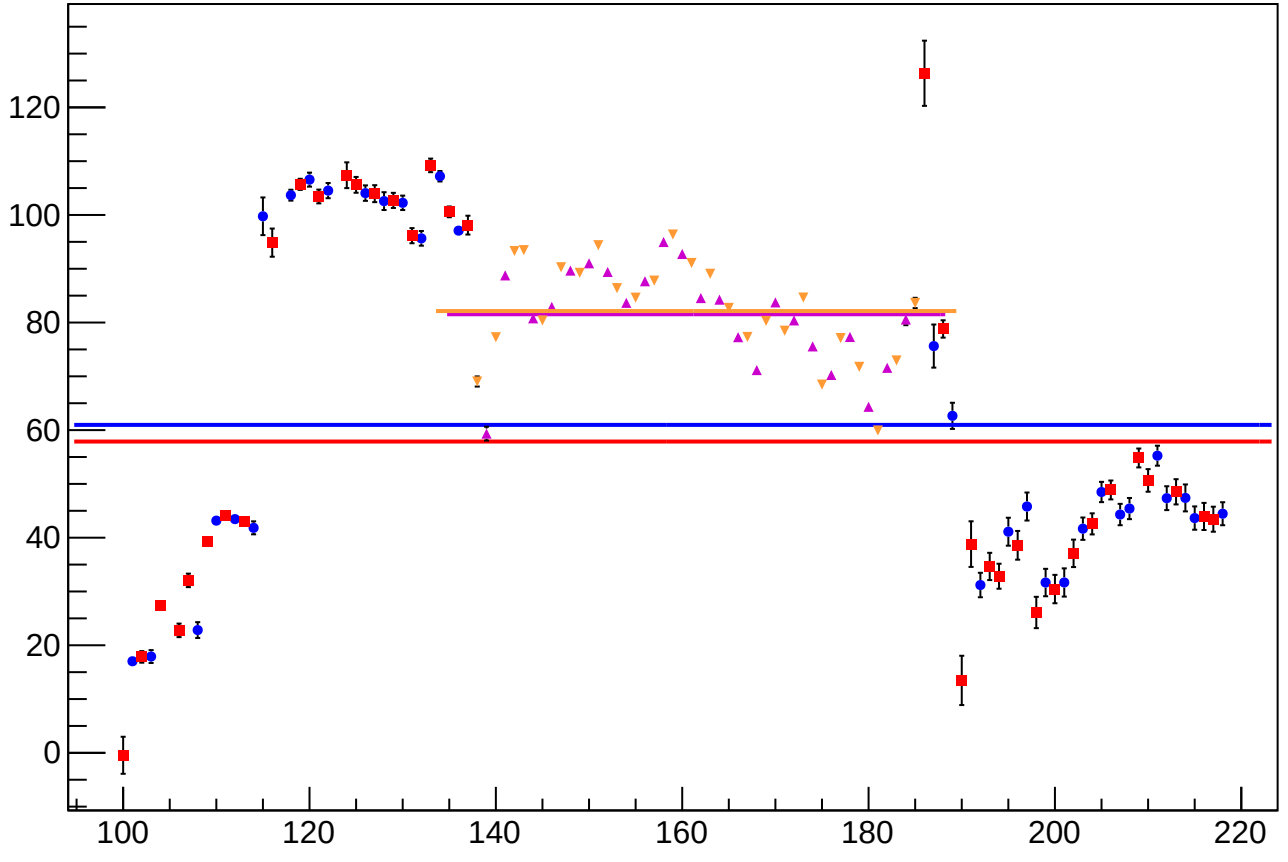
Right: -41.417+/-0.128 χ^2/NDF: 9363.2/67

In: -32.956+/-0.116 χ^2/NDF:23022.4/54

Out: -32.941+/-0.112 χ^2/NDF:27774.6/60

All: -32.948+/-0.080 χ^2/NDF: 50797.1/115

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: 57.876+/-0.228 χ^2/NDF: 18633.8/35

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

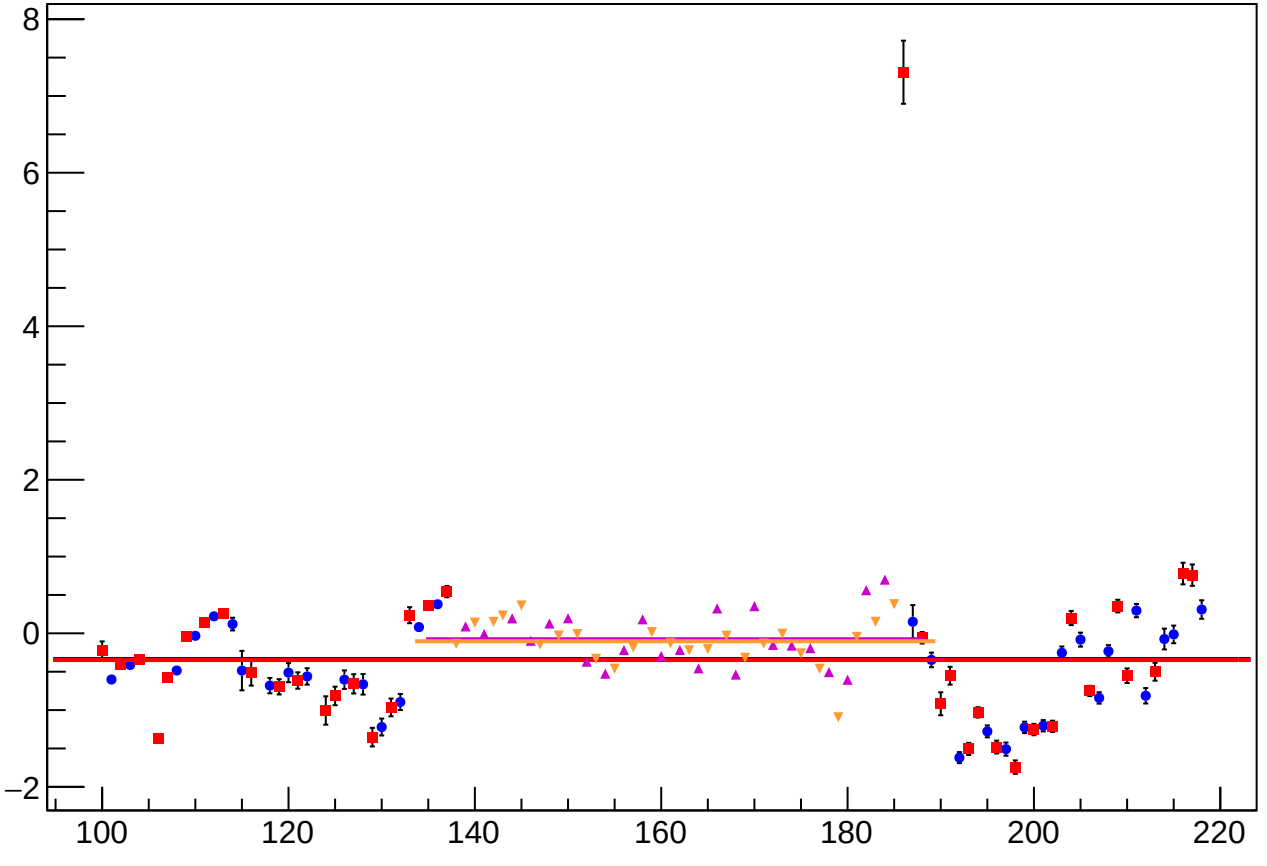
Right: 59.382+/-0.163 χ^2/NDF: 38474.0/67

In: 76.759+/-0.113 χ^2/NDF:29705.6/54

Out: 76.545+/-0.109 χ^2/NDF:32720.0/60

All: 76.649+/-0.079 χ^2/NDF: 62427.4/115

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: -0.348+/-0.011 χ^2/NDF: 3173.5/35

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

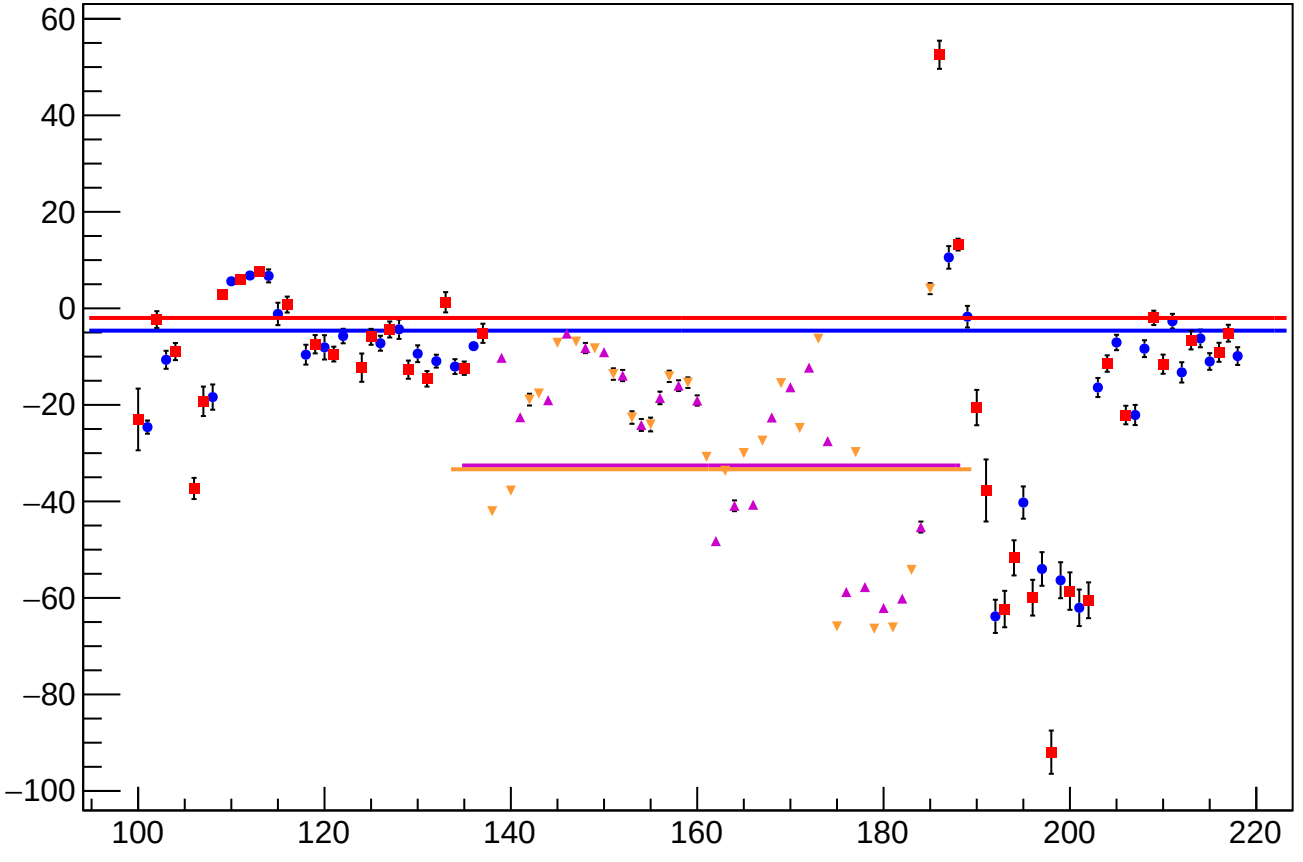
Right: -0.341+/-0.008 χ^2/NDF: 5321.4/67

In: -0.128+/-0.005 χ^2/NDF:5868.5/54

Out: -0.153+/-0.005 χ^2/NDF:5969.0/60

All: -0.141+/-0.004 χ^2/NDF: 11849.3/115

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -1.987+/-0.250 χ^2/NDF: 3281.7/35

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

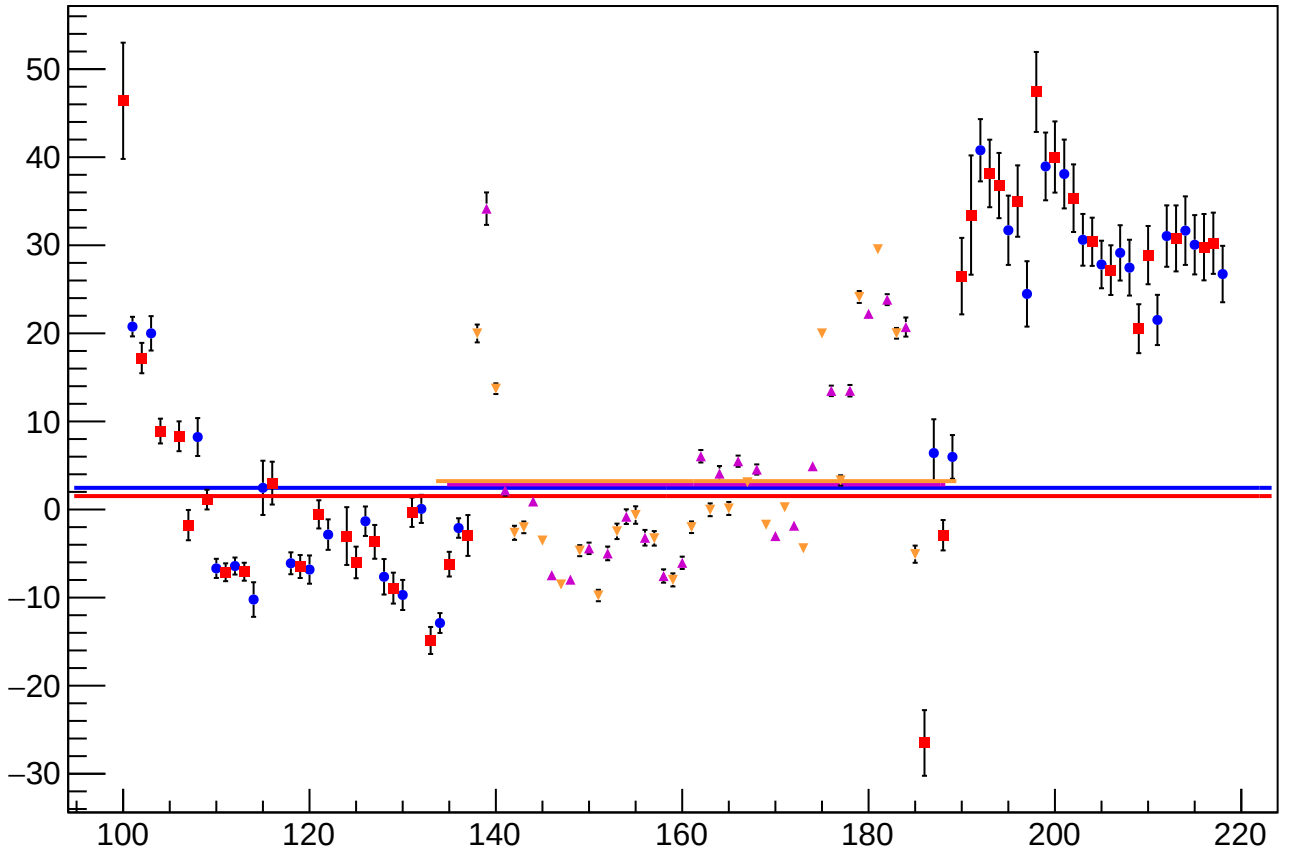
Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

Right: -3.216+/-0.182 χ^2/NDF: 5556.6/67

In: -24.511+/-0.143 χ^2/NDF:23953.6/54

Out: -23.838+/-0.137 χ^2/NDF:32274.7/60

All: -24.161+/-0.099 χ^2/NDF: 56239.8/115



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: 1.525+/-0.325 χ^2/NDF: 1705.8/35

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

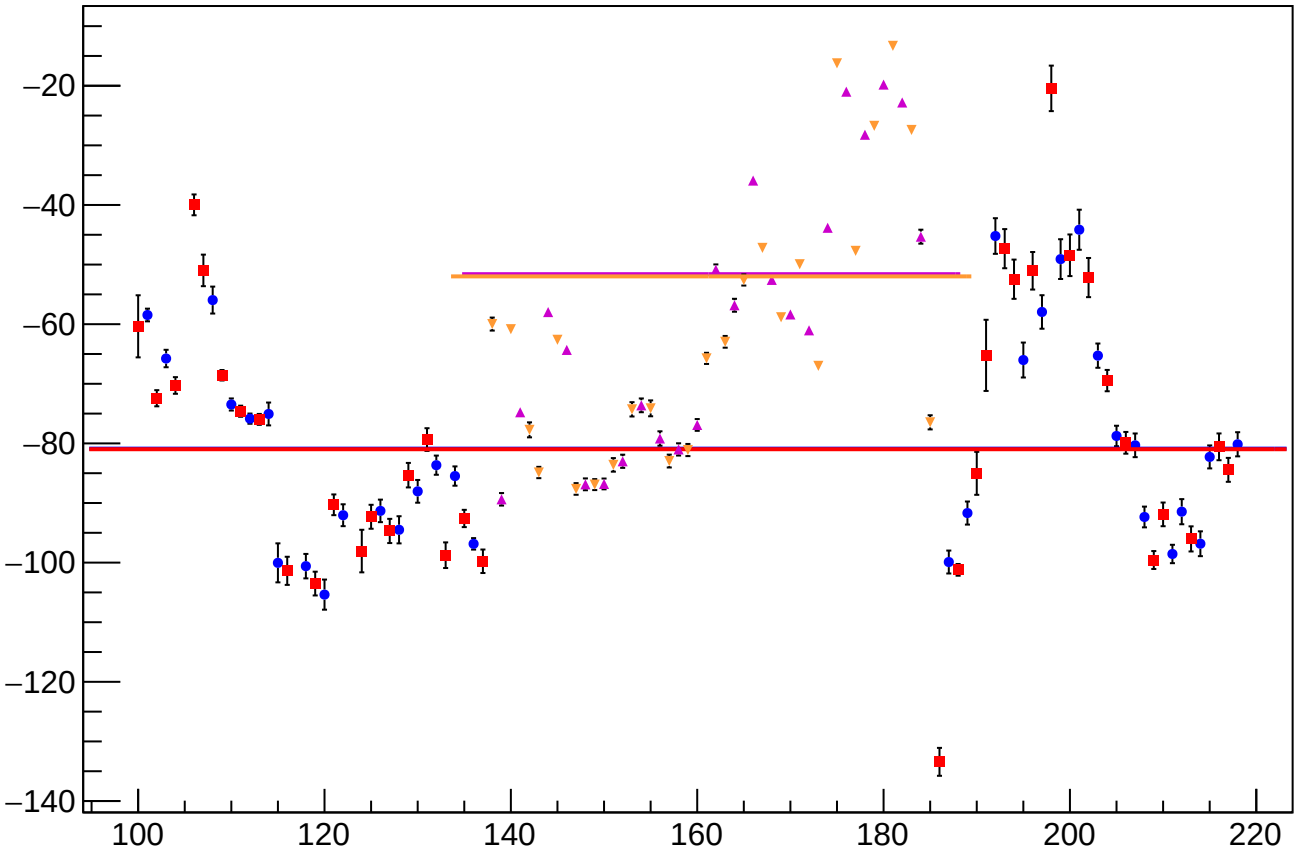
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: 1.990+/-0.230 χ^2/NDF: 3634.1/67

In: 2.792+/-0.122 χ^2/NDF:7380.9/54

Out: 2.995+/-0.119 χ^2/NDF:9405.1/60

All: 2.896+/-0.085 χ^2/NDF: 16787.4/115



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: -80.977+/-0.291 χ^2/NDF: 3527.0/35

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

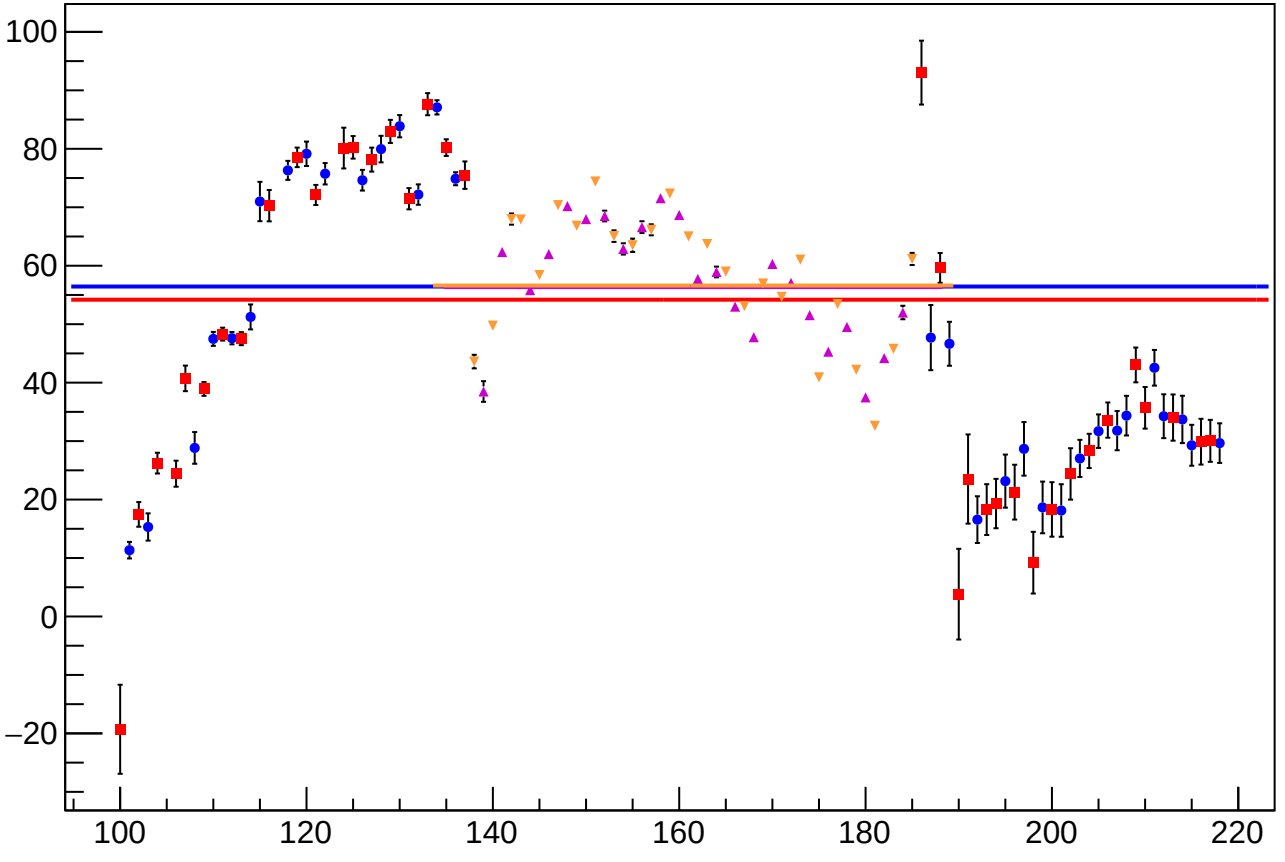
Right: -80.931+/-0.209 χ^2/NDF: 5812.8/67

In: -58.688+/-0.147 χ^2/NDF:27155.3/54

Out: -59.035+/-0.143 χ^2/NDF:31942.7/60

All: -58.866+/-0.103 χ^2/NDF: 59100.9/115

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 54.187+/-0.368 χ^2/NDF: 3606.1/35

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

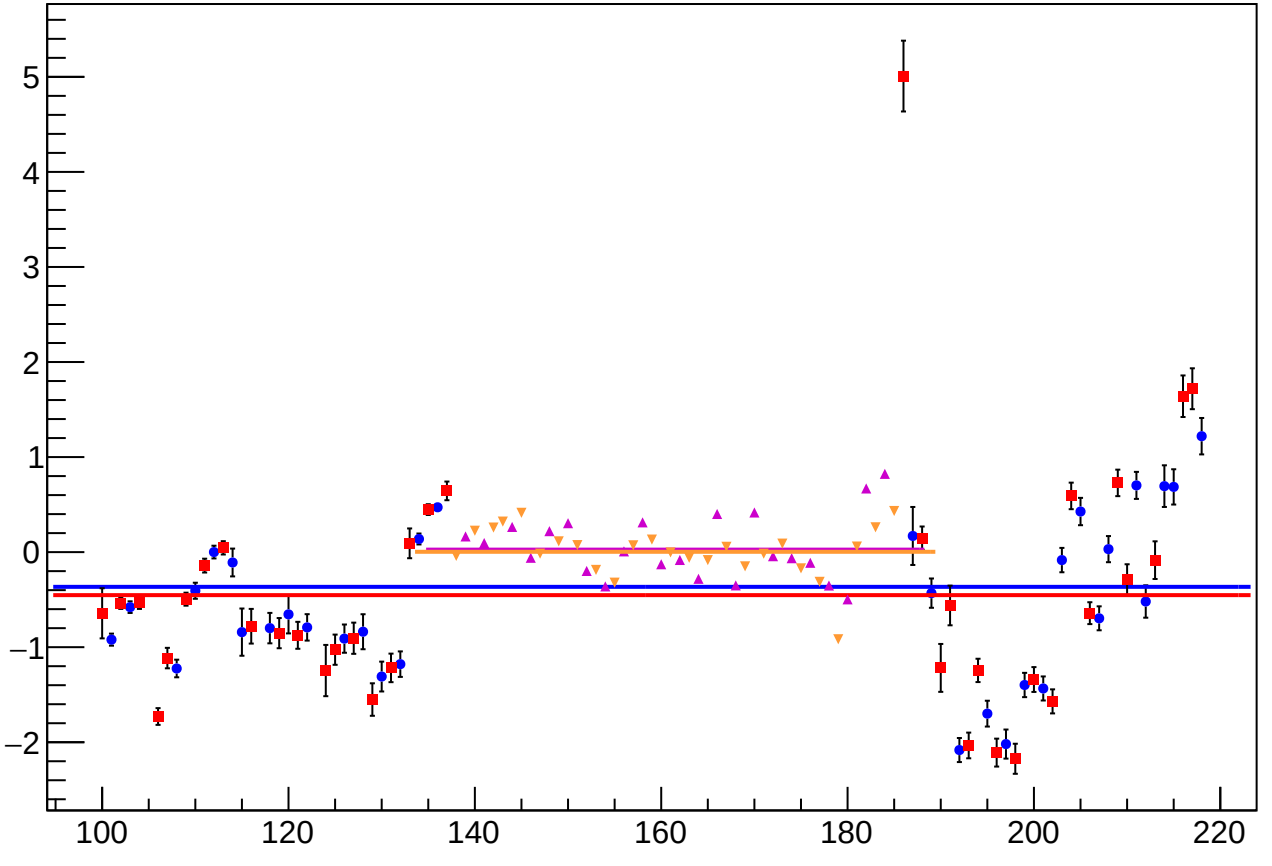
Right: 55.316+/-0.260 χ^2/NDF: 7803.1/67

In: 56.361+/-0.137 χ^2/NDF:8146.9/54

Out: 56.291+/-0.134 χ^2/NDF:9309.9/60

All: 56.325+/-0.096 χ^2/NDF: 17457.0/115

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: -0.452+/-0.019 χ^2/NDF: 1952.8/35

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

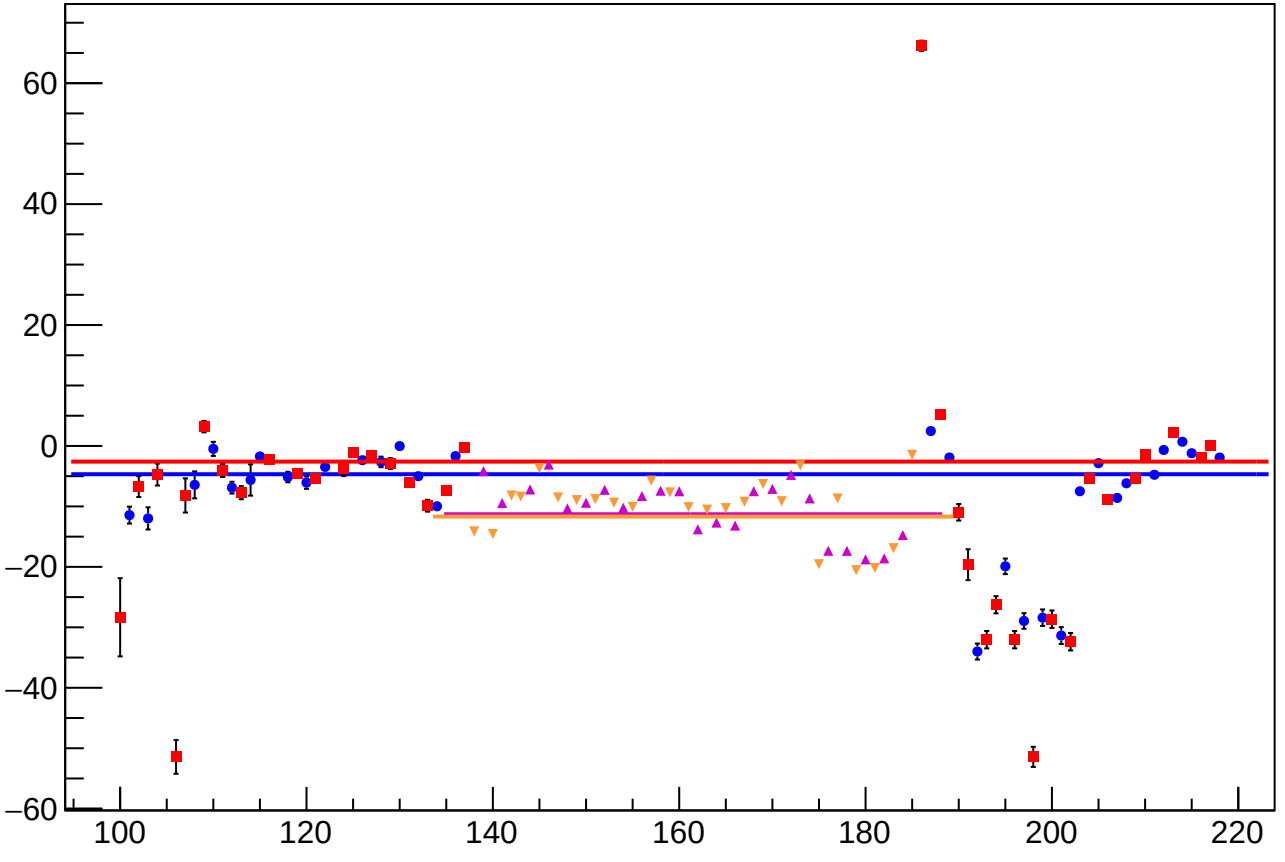
Right: -0.408+/-0.013 χ^2/NDF: 3475.4/67

In: -0.017+/-0.006 χ^2/NDF:4250.6/54

Out: -0.044+/-0.006 χ^2/NDF:4176.8/60

All: -0.031+/-0.004 χ^2/NDF: 8437.2/115

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: -2.591+/-0.140 χ^2/NDF: 10588.5/35

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

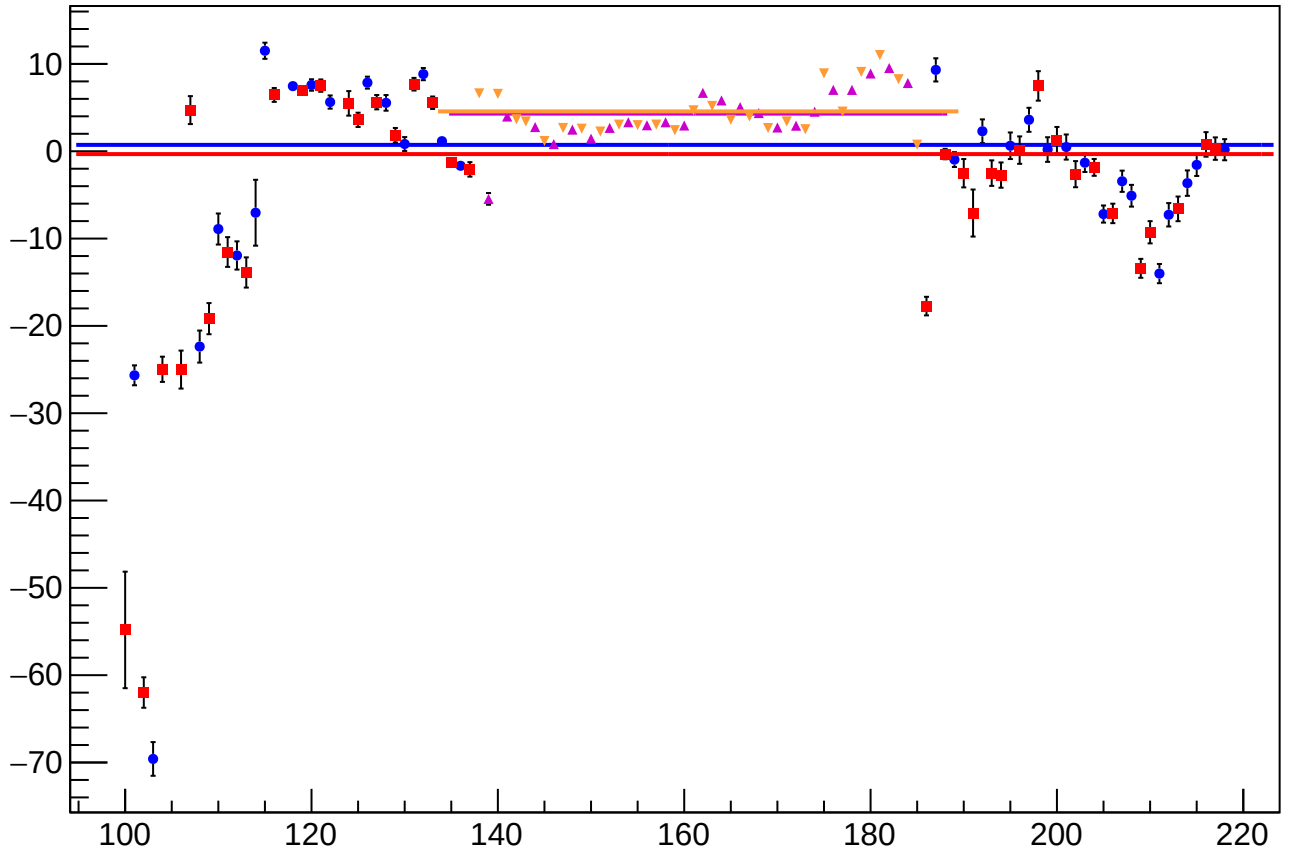
Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

Right: -3.661+/-0.098 χ^2/NDF: 12897.1/67

In: -10.406+/-0.050 χ^2/NDF:13459.7/54

Out: -10.556+/-0.049 χ^2/NDF:26875.6/60

All: -10.482+/-0.035 χ^2/NDF: 40339.8/115



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: -0.325+/-0.170 χ^2/NDF: 3200.0/35

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

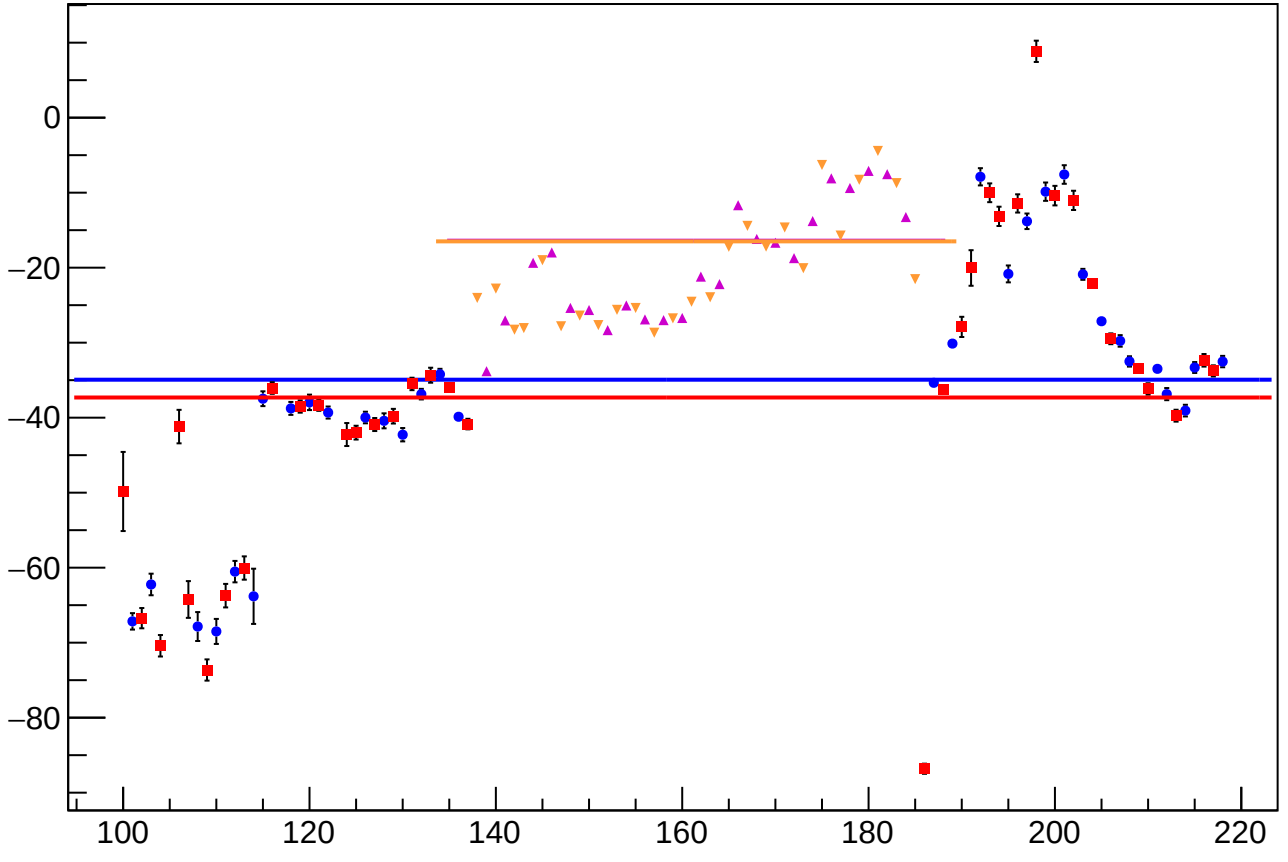
Right: 0.232+/-0.117 χ^2/NDF: 6478.3/67

In: 4.078+/-0.041 χ^2/NDF:7331.7/54

Out: 4.289+/-0.040 χ^2/NDF:8341.2/60

All: 4.185+/-0.029 χ^2/NDF: 15686.5/115

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: -37.311+/-0.144 χ^2/NDF: 11882.7/35

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

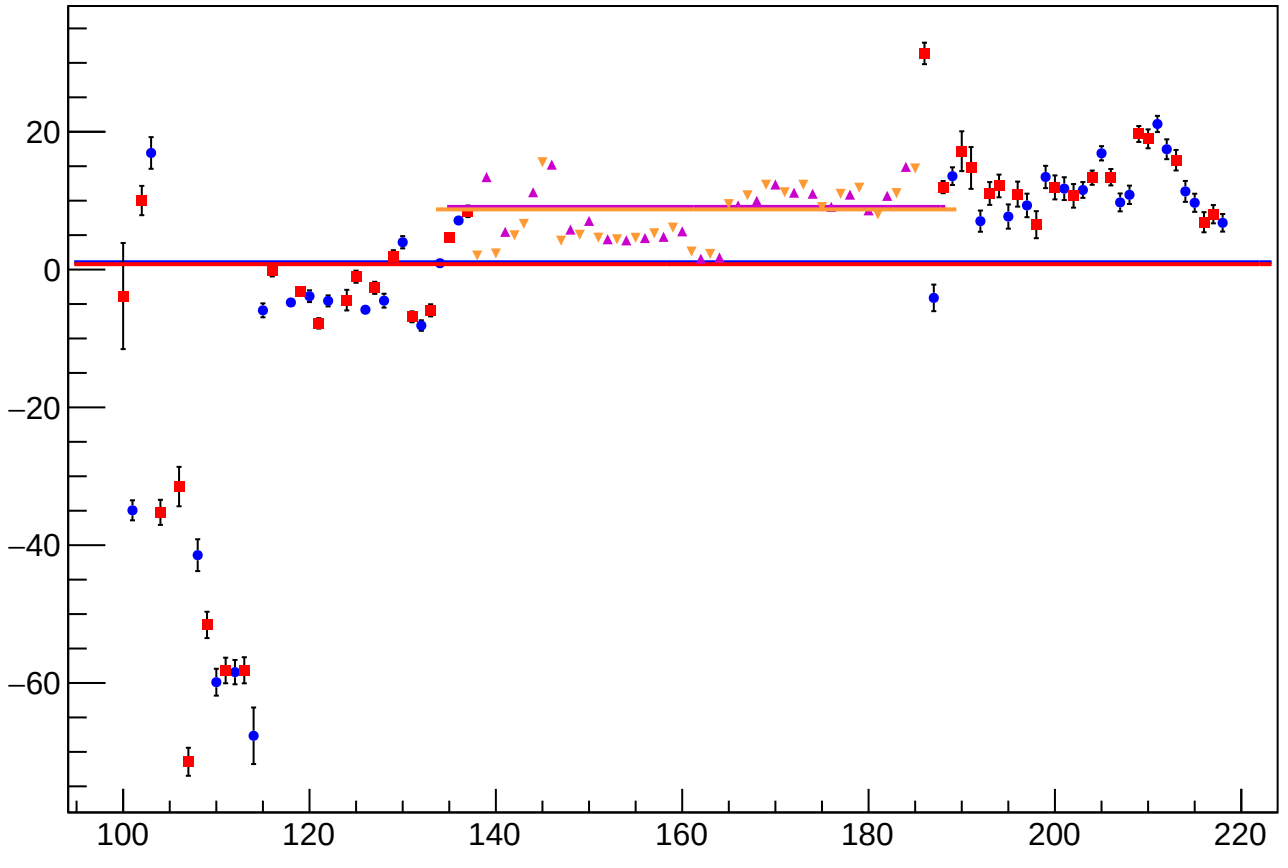
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -36.108+/-0.101 χ^2/NDF: 17458.4/67

In: -18.732+/-0.050 χ^2/NDF:38322.8/54

Out: -18.952+/-0.050 χ^2/NDF:52242.7/60

All: -18.844+/-0.035 χ^2/NDF: 90575.2/115



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: 0.784+/-0.193 χ^2/NDF: 6652.0/35

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

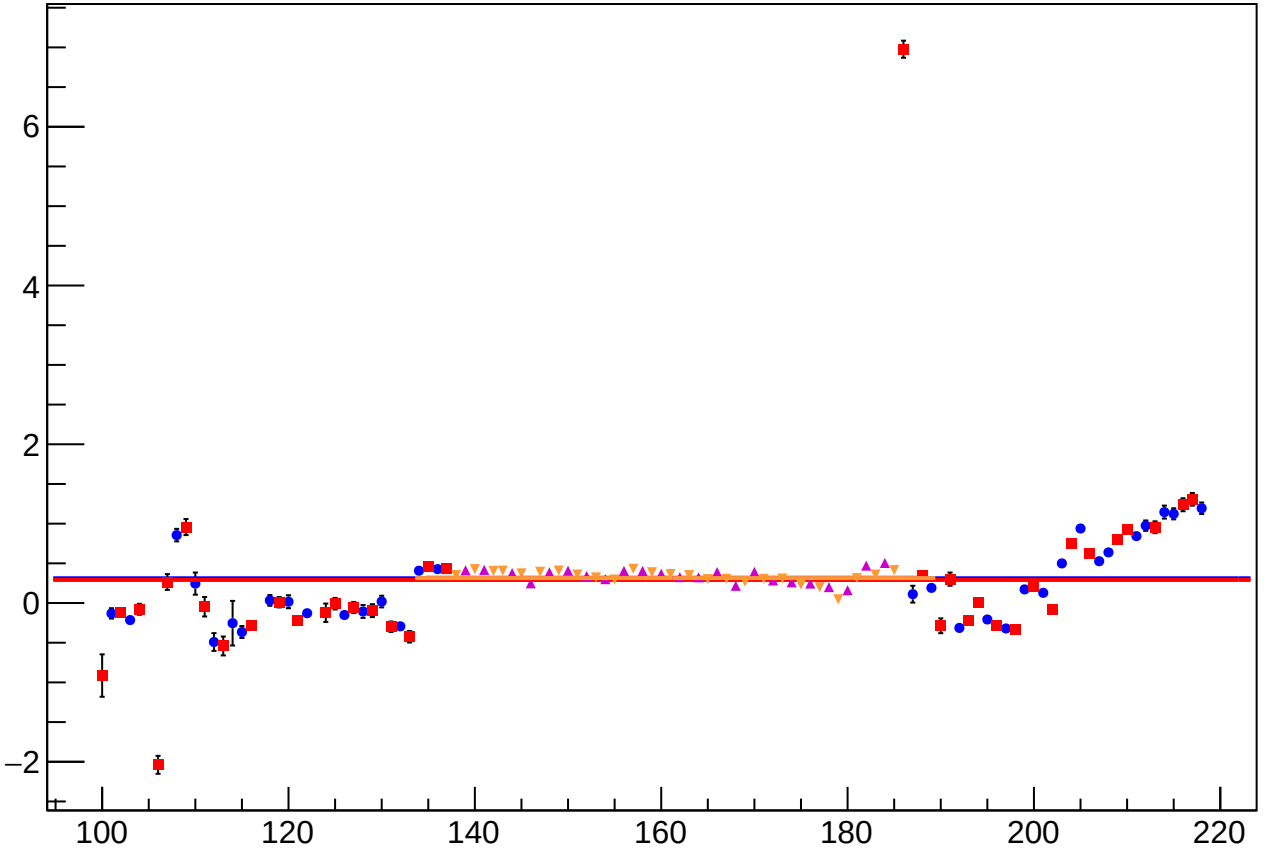
Right: 0.932+/-0.131 χ^2/NDF: 11939.2/67

In: 8.577+/-0.046 χ^2/NDF:12906.4/54

Out: 8.303+/-0.045 χ^2/NDF:15135.4/60

All: 8.438+/-0.032 χ^2/NDF: 28060.2/115

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: 0.291+/-0.010 χ^2/NDF: 6157.1/35

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

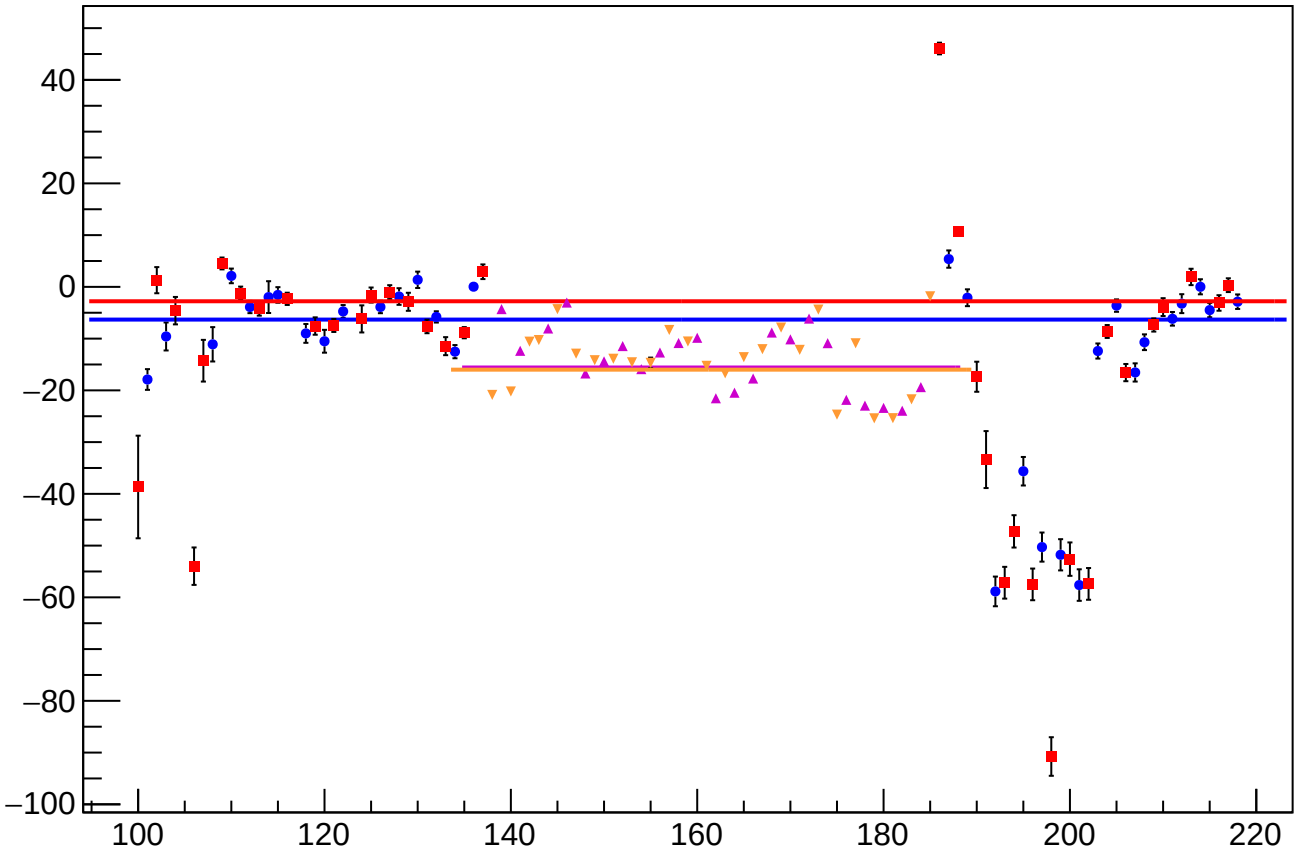
Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

Right: 0.302+/-0.007 χ^2/NDF: 8023.9/67

In: 0.318+/-0.002 χ^2/NDF:3652.7/54

Out: 0.313+/-0.002 χ^2/NDF:7764.7/60

All: 0.316+/-0.001 χ^2/NDF: 11420.8/115



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: -2.782+/-0.268 χ^2/NDF: 4594.2/35

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

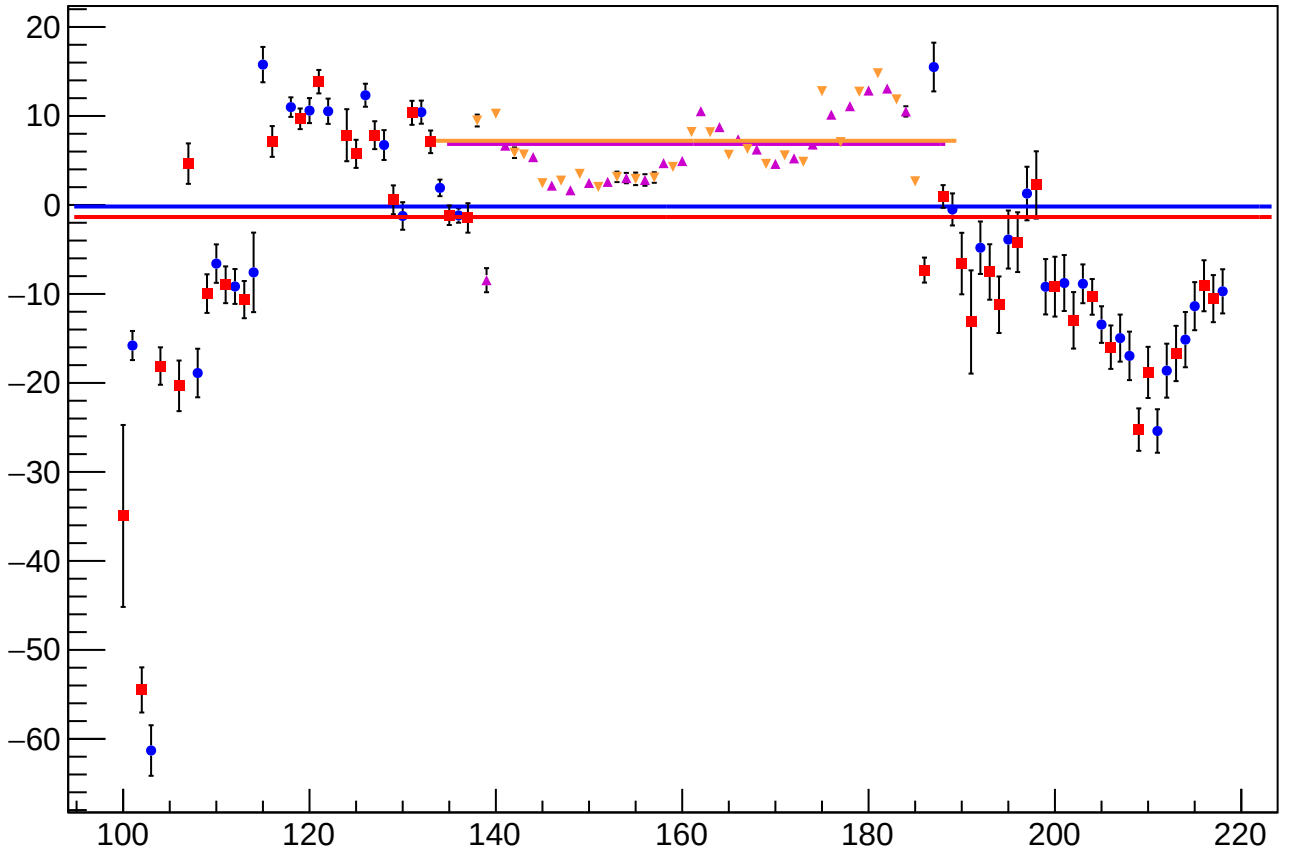
Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

Right: -4.553+/-0.189 χ^2/NDF: 6271.5/67

In: -14.407+/-0.095 χ^2/NDF:7396.0/54

Out: -14.399+/-0.093 χ^2/NDF:12700.9/60

All: -14.403+/-0.067 χ^2/NDF: 20096.9/115



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: -1.356+/-0.323 χ^2/NDF: 1345.5/35

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

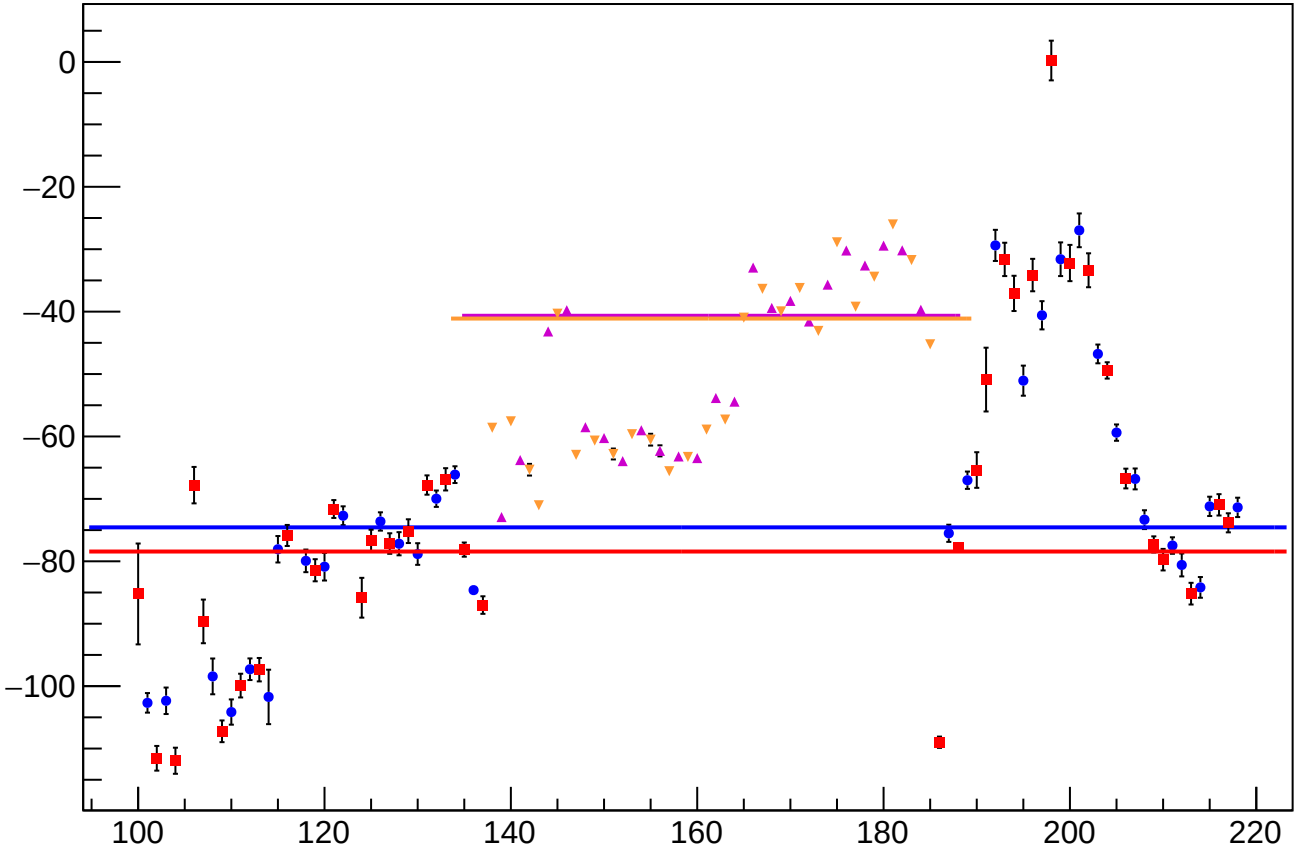
Right: -0.746+/-0.225 χ^2/NDF: 2831.9/67

In: 6.413+/-0.078 χ^2/NDF:4109.6/54

Out: 6.716+/-0.078 χ^2/NDF:4463.5/60

All: 6.566+/-0.055 χ^2/NDF: 8580.6/115

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -78.434+/-0.279 χ^2/NDF: 4964.0/35

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

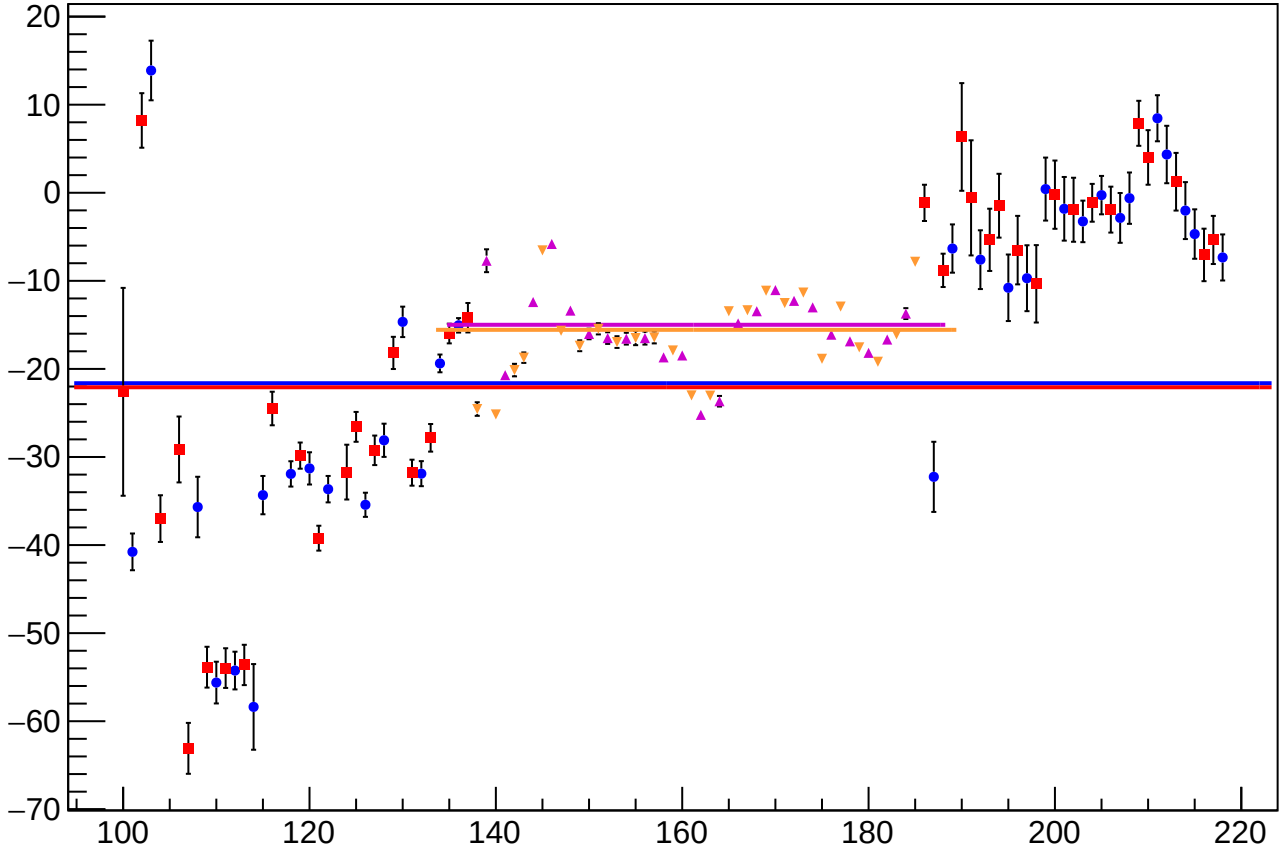
Right: -76.525+/-0.199 χ^2/NDF: 8127.8/67

In: -44.583+/-0.096 χ^2/NDF:29321.8/54

Out: -45.365+/-0.094 χ^2/NDF:36844.6/60

All: -44.983+/-0.067 χ^2/NDF: 66200.1/115

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: -22.084+/-0.370 χ^2/NDF: 2037.4/35

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

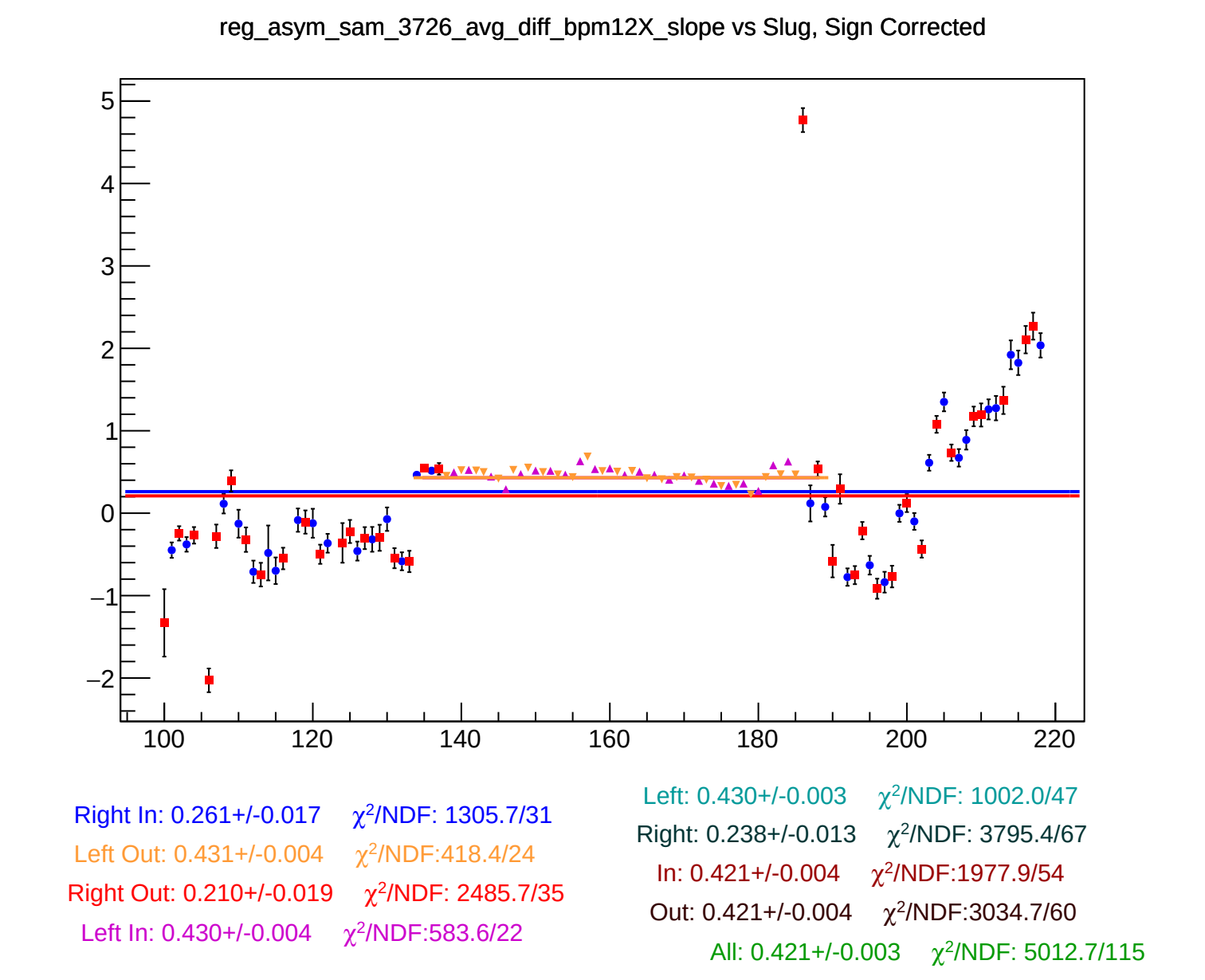
Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

Right: -21.841+/-0.254 χ^2/NDF: 3866.3/67

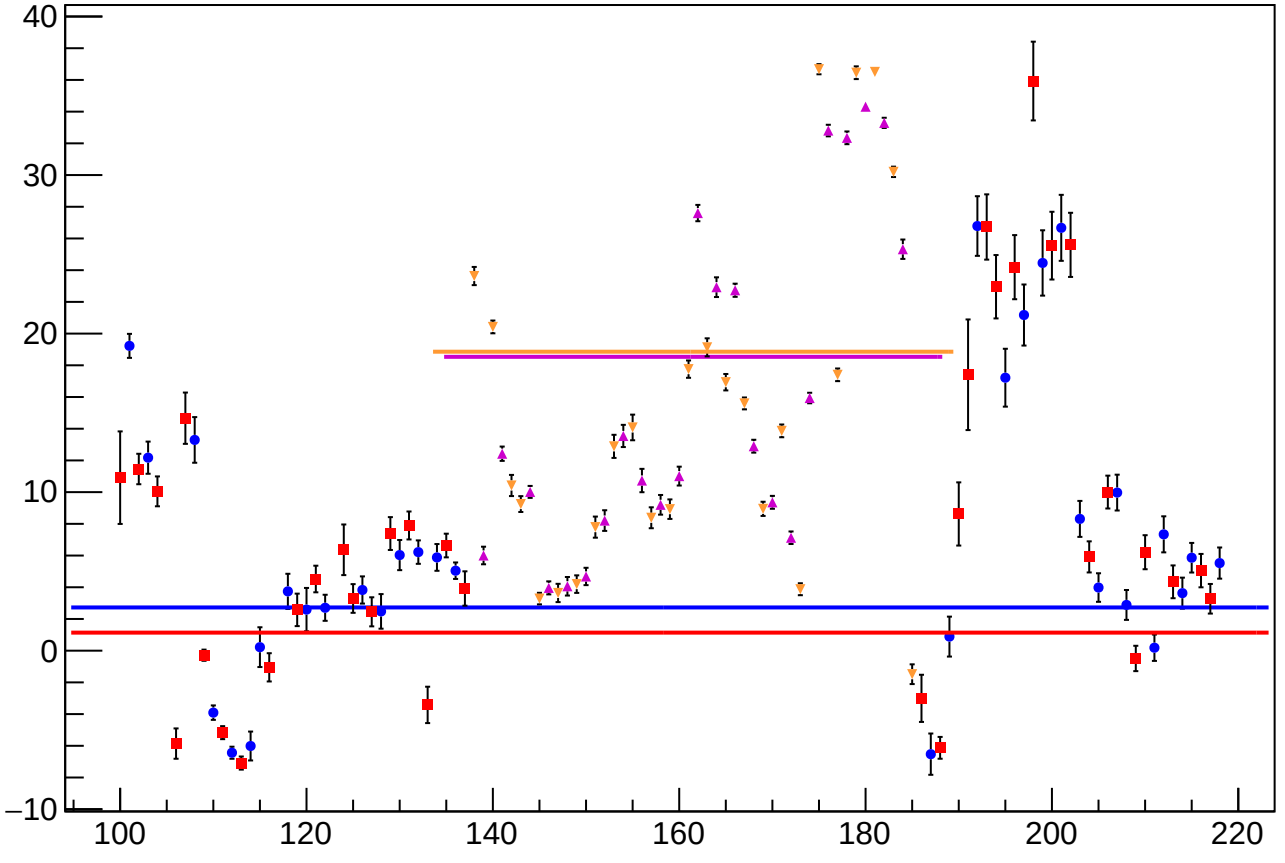
In: -15.406+/-0.087 χ^2/NDF:4317.9/54

Out: -15.919+/-0.086 χ^2/NDF:4881.4/60

All: -15.666+/-0.061 χ^2/NDF: 9216.6/115


reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.261+/-0.017 χ²/NDF: 1305.7/31
Left Out: 0.431+/-0.004 χ²/NDF:418.4/24
Right Out: 0.210+/-0.019 χ²/NDF: 2485.7/35
Left In: 0.430+/-0.004 χ²/NDF:583.6/22
Left: 0.430+/-0.003 χ²/NDF: 1002.0/47
Right: 0.238+/-0.013 χ²/NDF: 3795.4/67
In: 0.421+/-0.004 χ²/NDF:1977.9/54
Out: 0.421+/-0.004 χ²/NDF:3034.7/60
All: 0.421+/-0.003 χ²/NDF: 5012.7/115

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: 1.139+/-0.145 χ^2/NDF: 2385.3/35

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

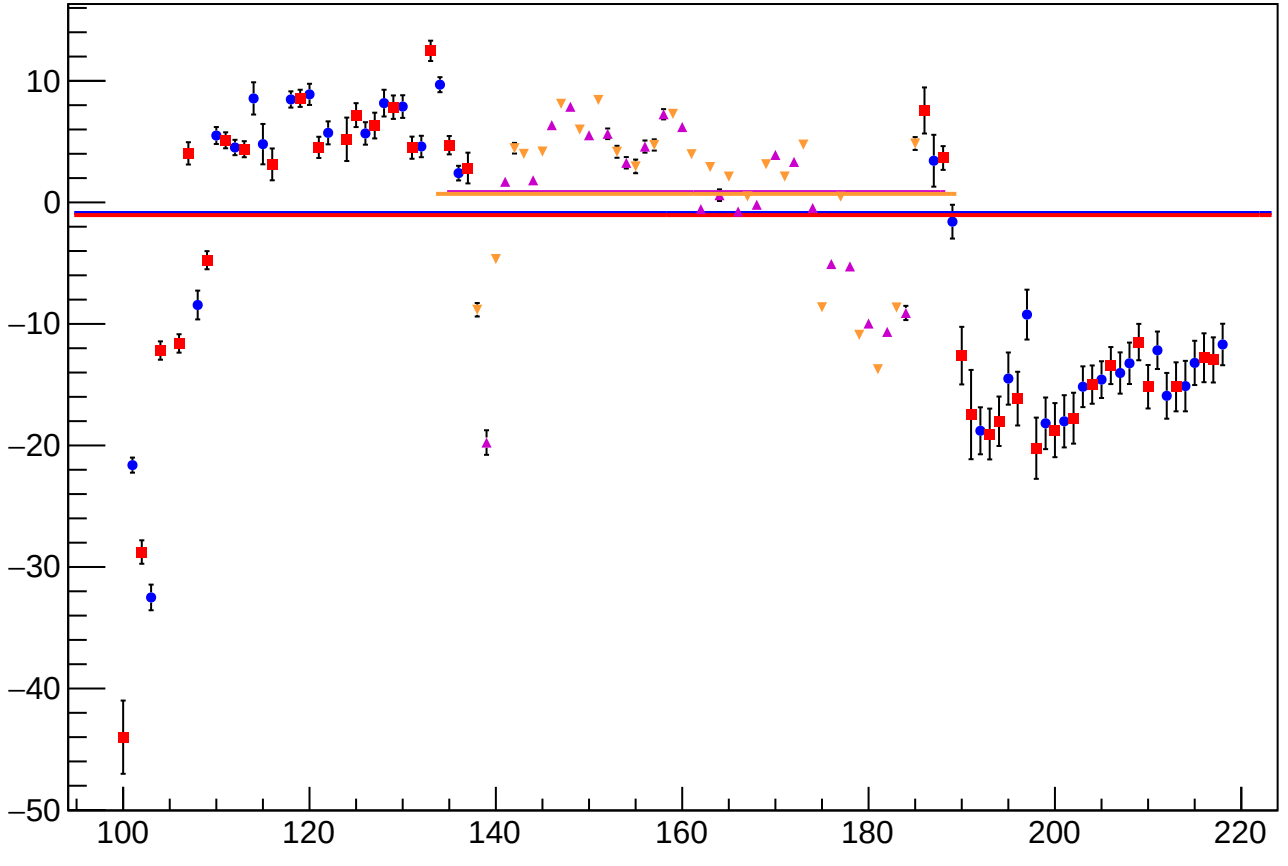
Right: 1.883+/-0.106 χ^2/NDF: 4742.8/67

In: 14.327+/-0.080 χ^2/NDF:24020.8/54

Out: 13.915+/-0.077 χ^2/NDF:31473.8/60

All: 14.113+/-0.055 χ^2/NDF: 55508.3/115

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -1.044+/-0.183 χ^2/NDF: 3312.2/35

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

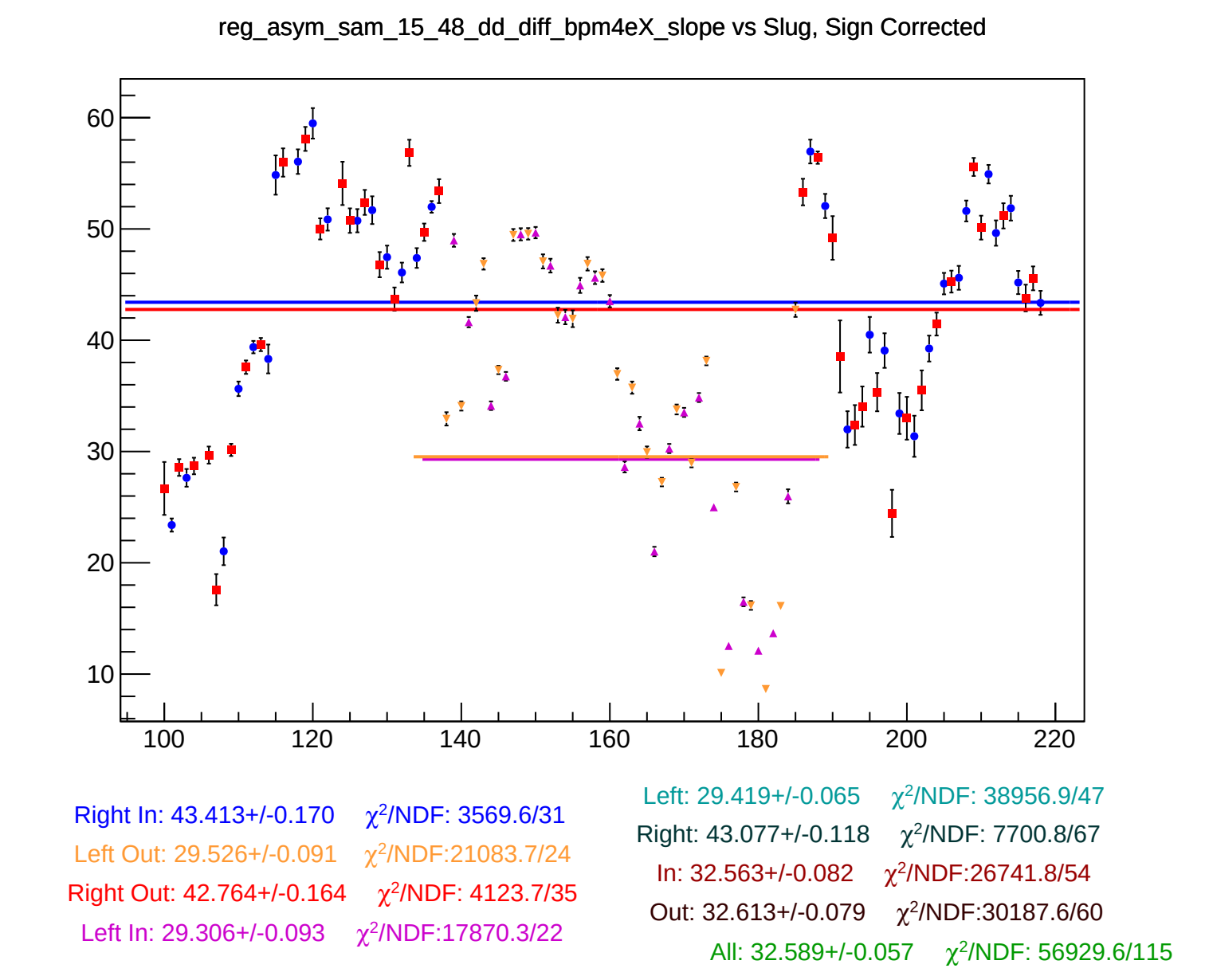
Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

Right: -0.959+/-0.130 χ^2/NDF: 7319.6/67

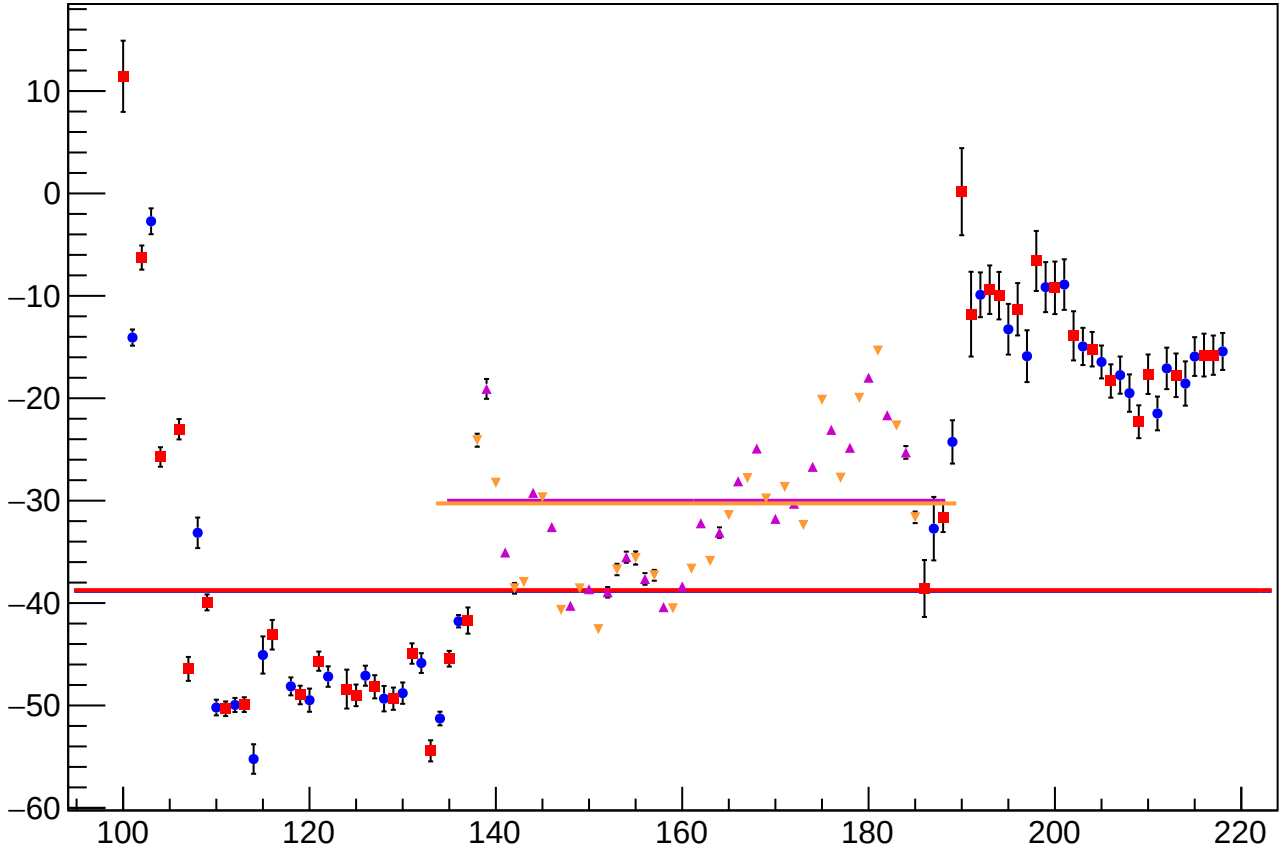
In: 0.619+/-0.067 χ^2/NDF:10127.0/54

Out: 0.477+/-0.066 χ^2/NDF:11628.9/60

All: 0.546+/-0.047 χ^2/NDF: 21758.2/115


reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
60
50
40
30
20
10
100
120
140
160
180
200
220
Right In: 43.413+/-0.170 χ²/NDF: 3569.6/31
Left Out: 29.526+/-0.091 χ²/NDF:21083.7/24
Right Out: 42.764+/-0.164 χ²/NDF: 4123.7/35
Left In: 29.306+/-0.093 χ²/NDF:17870.3/22
Left: 29.419+/-0.065 χ²/NDF: 38956.9/47
Right: 43.077+/-0.118 χ²/NDF: 7700.8/67
In: 32.563+/-0.082 χ²/NDF:26741.8/54
Out: 32.613+/-0.079 χ²/NDF:30187.6/60
All: 32.589+/-0.057 χ²/NDF: 56929.6/115

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -38.741+/-0.209 χ^2/NDF: 4649.6/35

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

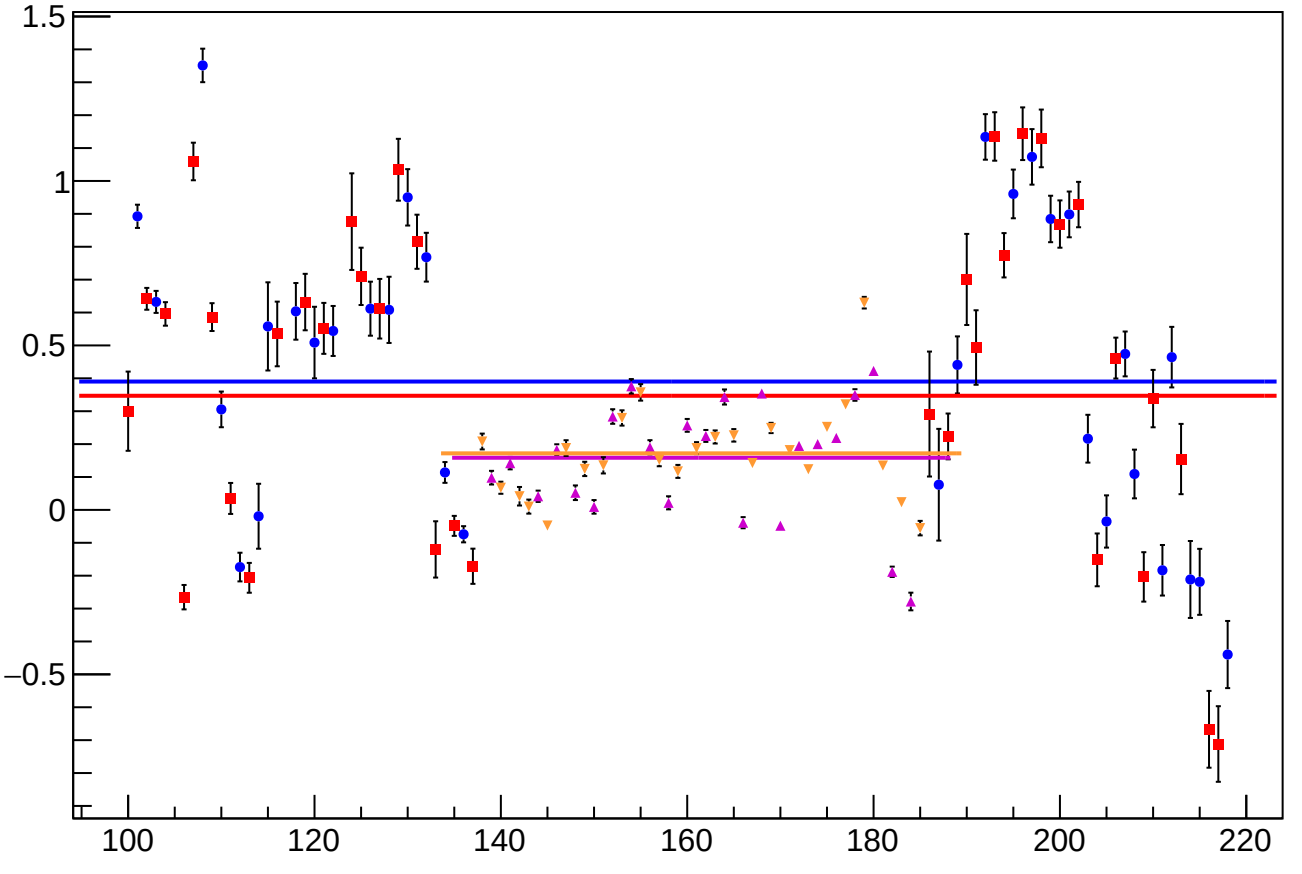
Right: -38.773+/-0.148 χ^2/NDF: 9964.2/67

In: -31.168+/-0.076 χ^2/NDF:12936.1/54

Out: -31.332+/-0.074 χ^2/NDF:14584.5/60

All: -31.252+/-0.053 χ^2/NDF: 27523.0/115

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.347+/-0.010 χ^2/NDF: 1947.3/35

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

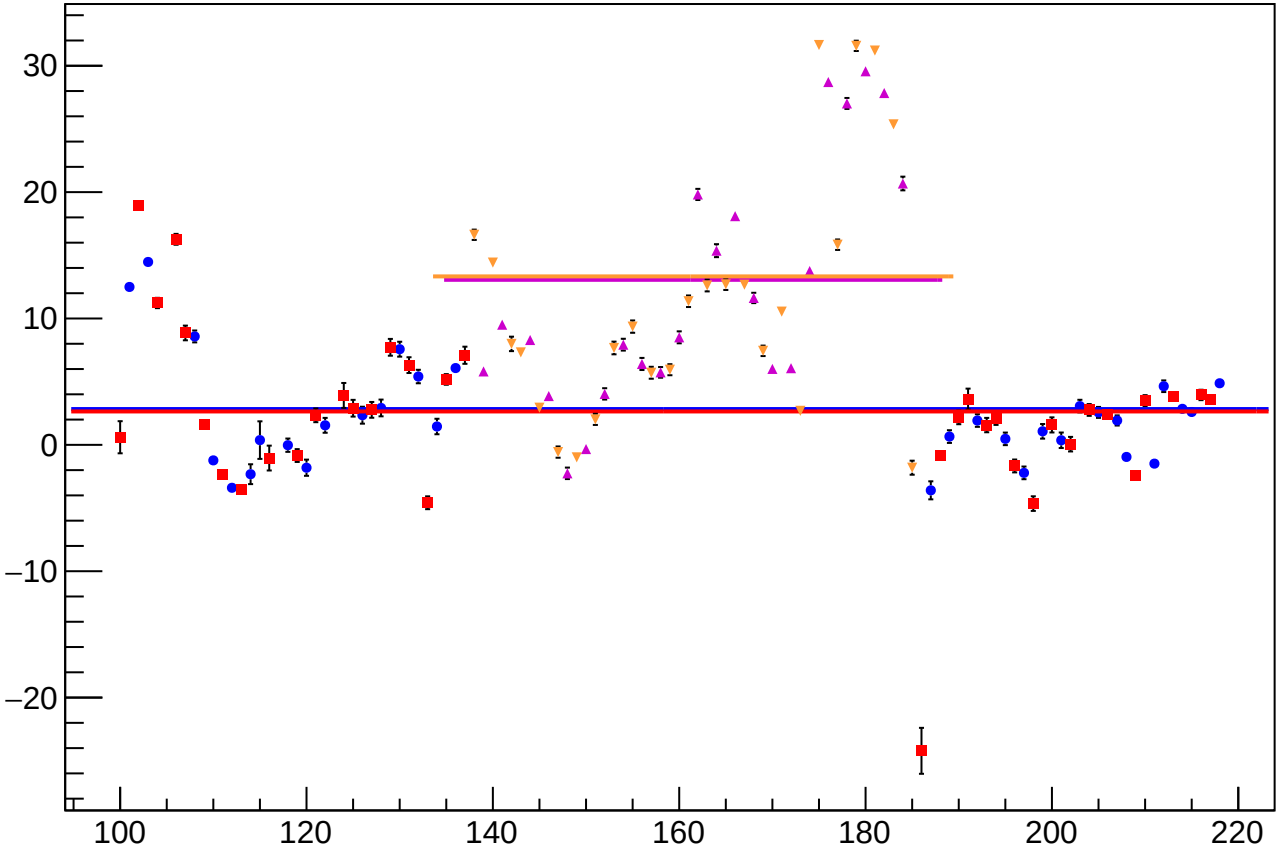
Right: 0.368+/-0.007 χ^2/NDF: 3862.5/67

In: 0.183+/-0.003 χ^2/NDF:4531.0/54

Out: 0.190+/-0.003 χ^2/NDF:3702.2/60

All: 0.187+/-0.002 χ^2/NDF: 8235.2/115

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 2.643+/-0.076 χ^2/NDF: 5415.9/35

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

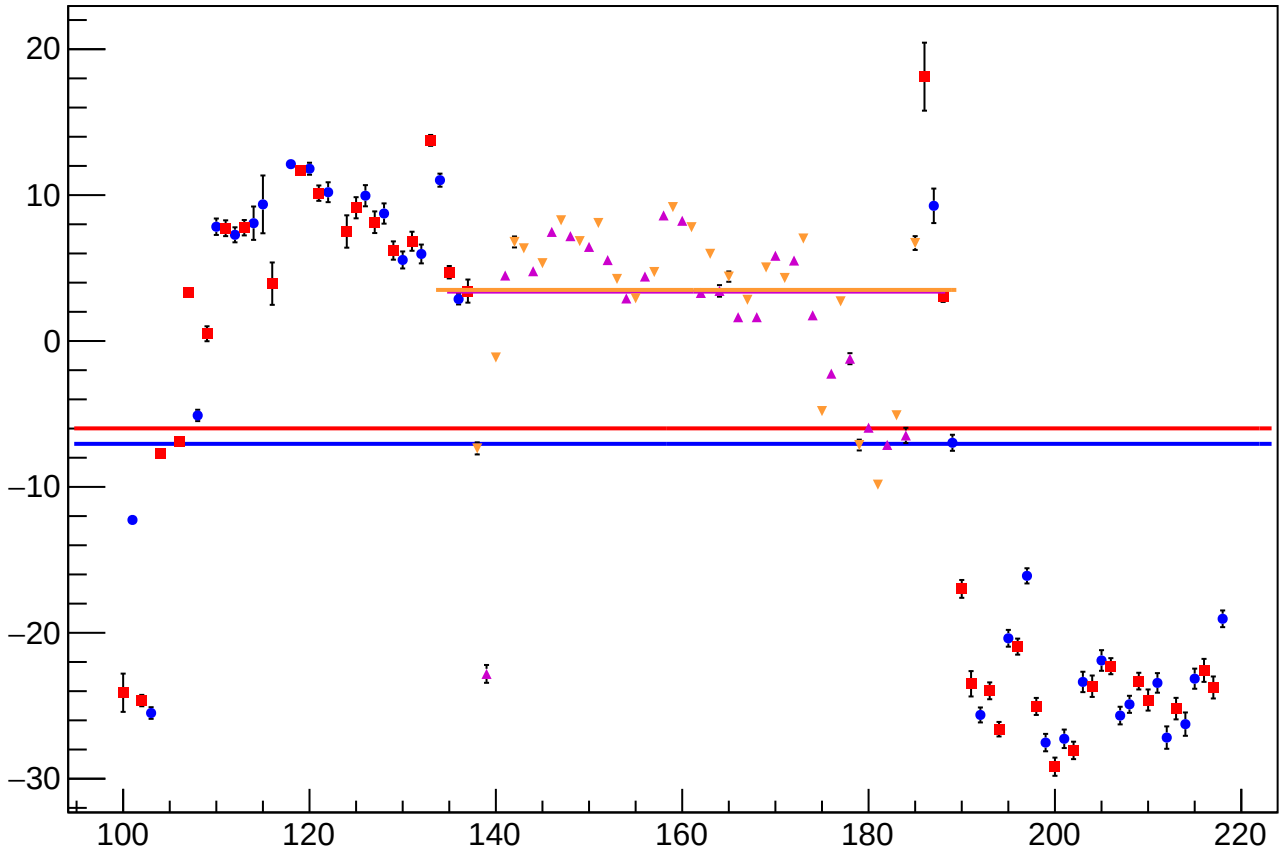
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 2.733+/-0.055 χ^2/NDF: 8803.4/67

In: 7.995+/-0.056 χ^2/NDF:27180.4/54

Out: 7.957+/-0.054 χ^2/NDF:34593.2/60

All: 7.975+/-0.039 χ^2/NDF: 61773.8/115



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: -5.988+/-0.089 χ^2/NDF: 27317.3/35

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

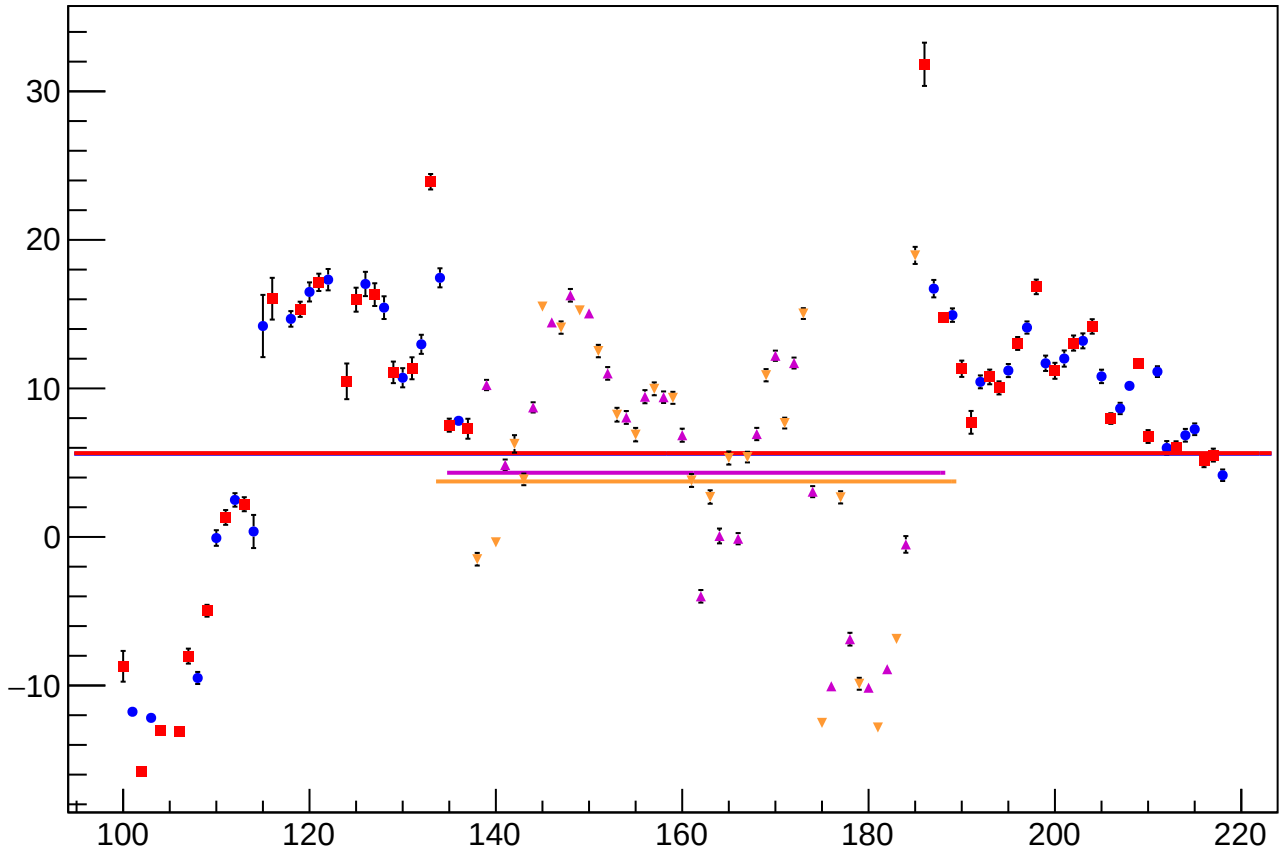
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -6.493+/-0.064 χ^2/NDF: 52575.5/67

In: 0.266+/-0.051 χ^2/NDF:40644.1/54

Out: 0.636+/-0.049 χ^2/NDF:43163.3/60

All: 0.459+/-0.035 χ^2/NDF: 83834.8/115



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: 5.642+/-0.076 χ^2/NDF: 20397.5/35

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

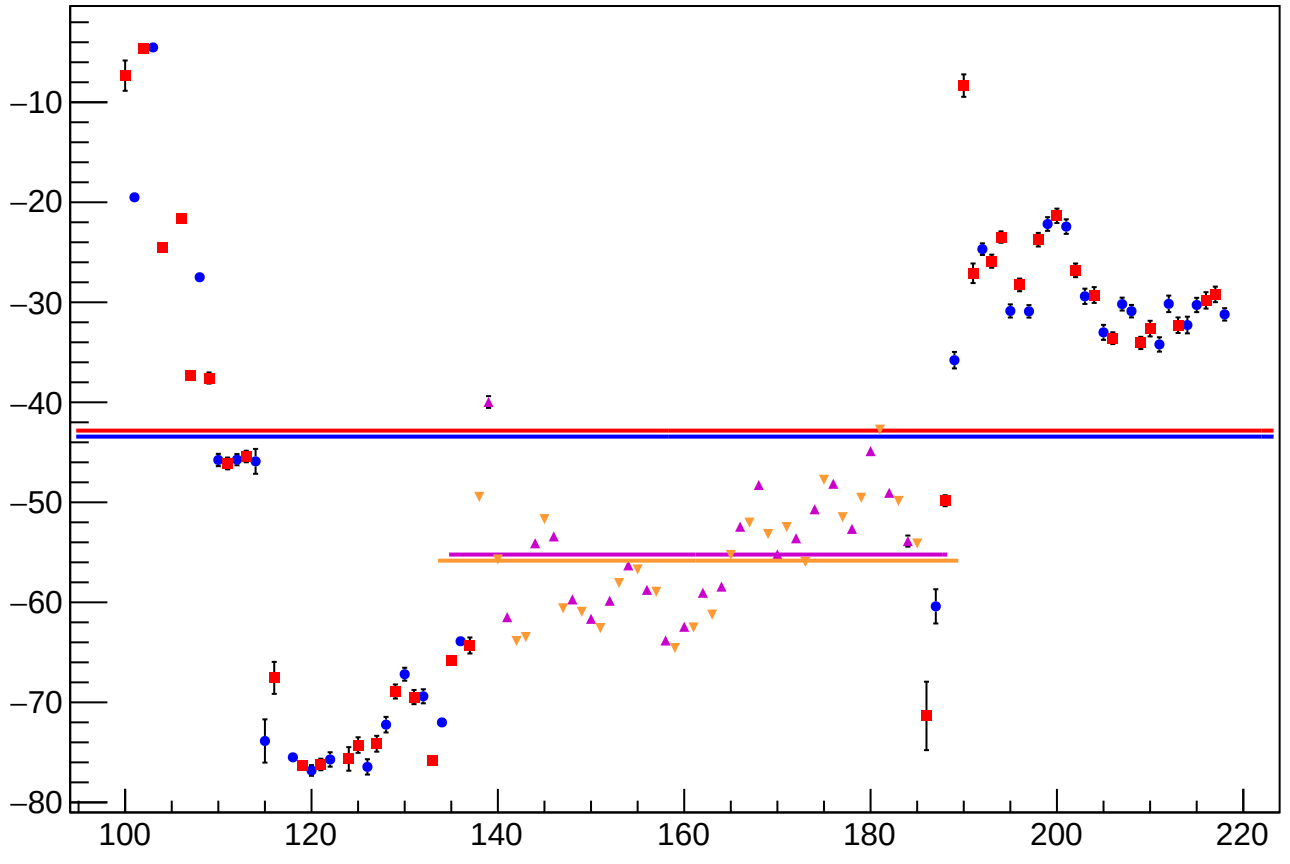
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 5.623+/-0.055 χ^2/NDF: 34559.2/67

In: 4.952+/-0.056 χ^2/NDF:26775.4/54

Out: 4.695+/-0.054 χ^2/NDF:36296.5/60

All: 4.819+/-0.039 χ^2/NDF: 63082.8/115



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: -42.829+/-0.105 χ^2/NDF: 44578.3/35

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

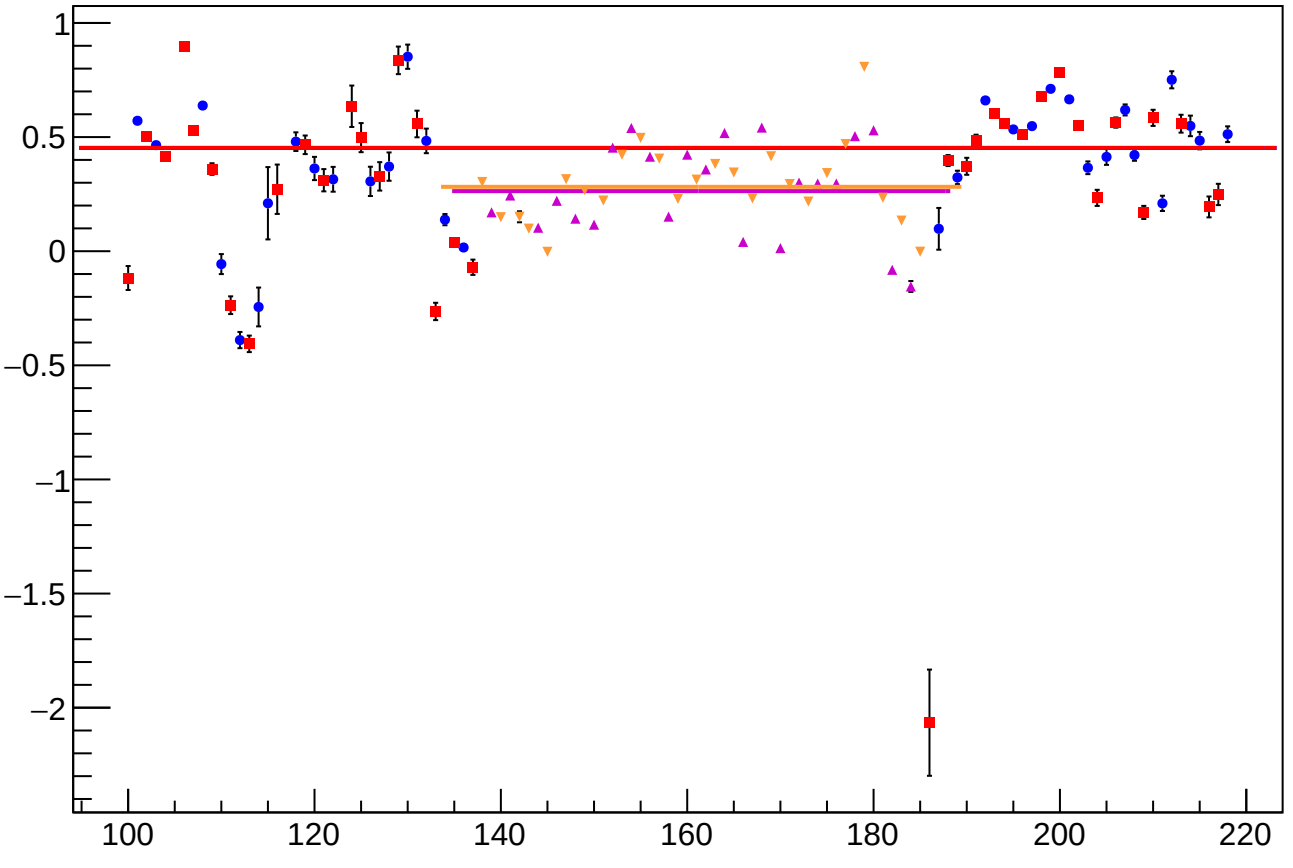
Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

Right: -43.119+/-0.075 χ^2/NDF: 88140.2/67

In: -51.824+/-0.058 χ^2/NDF:58377.3/54

Out: -52.097+/-0.056 χ^2/NDF:63205.8/60

All: -51.965+/-0.040 χ^2/NDF: 121594.6/115



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: 0.453+/-0.004 χ^2/NDF: 3821.8/35

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

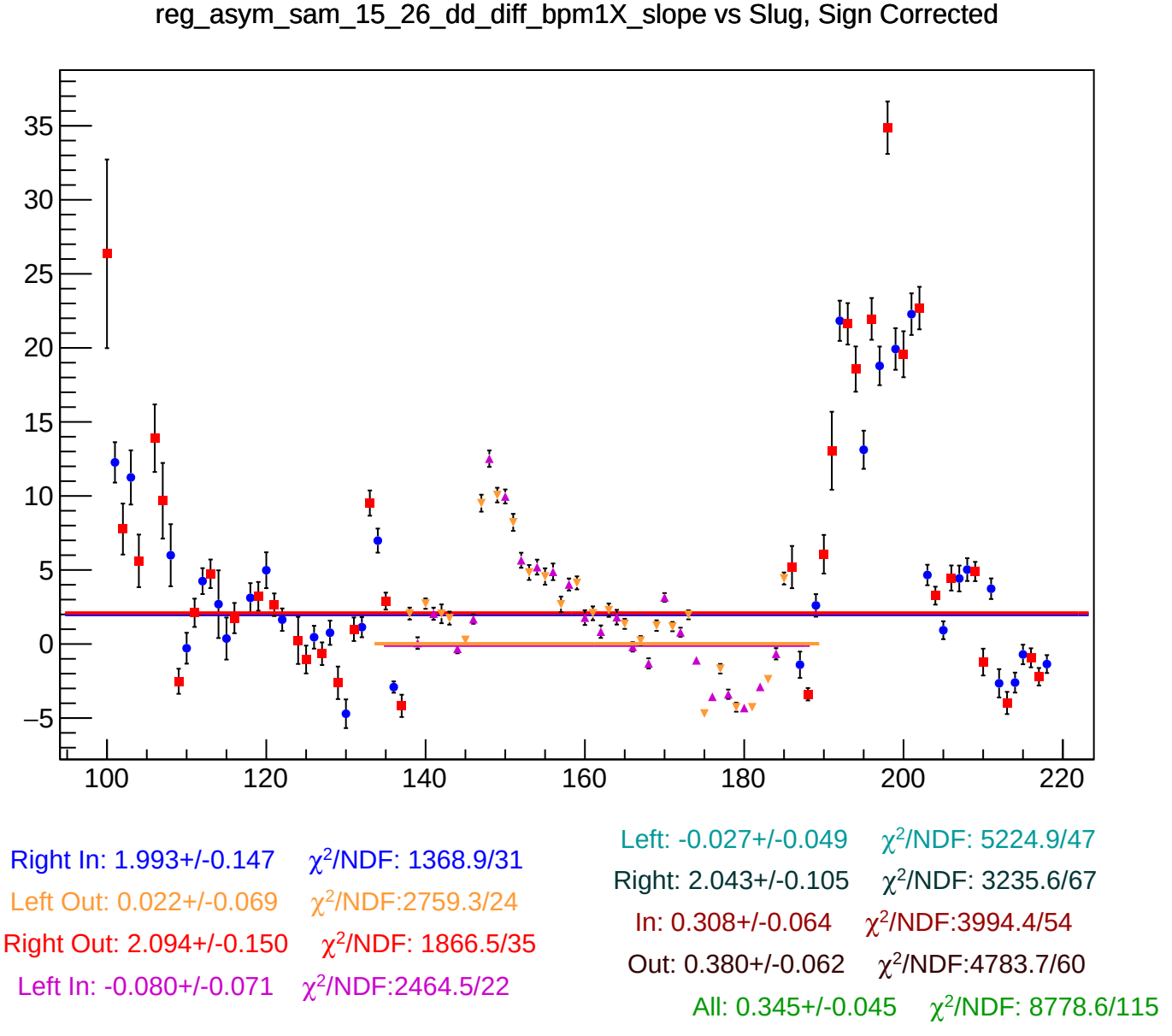
Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

Right: 0.453+/-0.003 χ^2/NDF: 6554.7/67

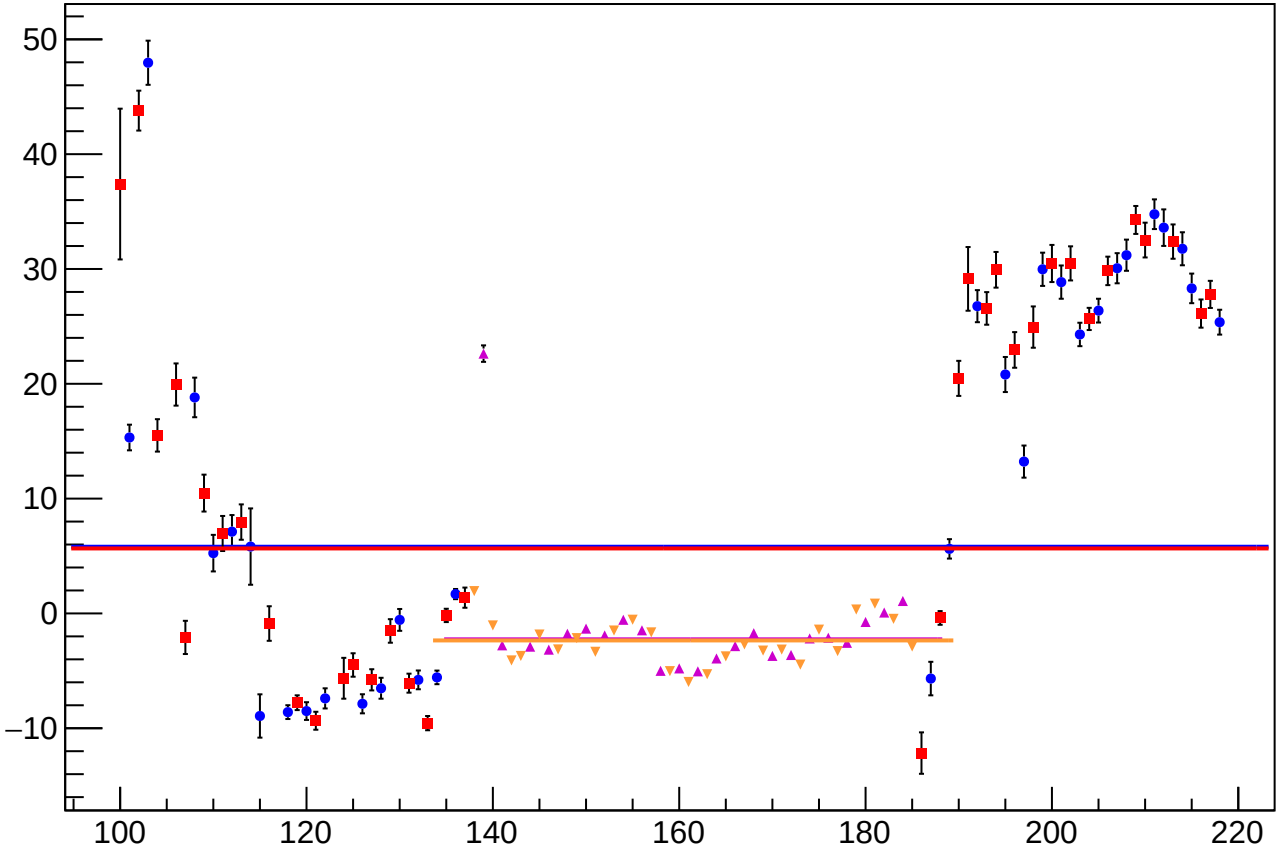
In: 0.321+/-0.003 χ^2/NDF:7759.6/54

Out: 0.337+/-0.002 χ^2/NDF:7584.6/60

All: 0.329+/-0.002 χ^2/NDF: 15363.7/115


reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
100
120
140
160
180
200
220
Right In: 1.993+/-0.147 χ²/NDF: 1368.9/31
Left Out: 0.022+/-0.069 χ²/NDF:2759.3/24
Right Out: 2.094+/-0.150 χ²/NDF: 1866.5/35
Left In: -0.080+/-0.071 χ²/NDF:2464.5/22
Left: -0.027+/-0.049 χ²/NDF: 5224.9/47
Right: 2.043+/-0.105 χ²/NDF: 3235.6/67
In: 0.308+/-0.064 χ²/NDF:3994.4/54
Out: 0.380+/-0.062 χ²/NDF:4783.7/60
All: 0.345+/-0.045 χ²/NDF: 8778.6/115

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: 5.660+/-0.183 χ^2/NDF: 6951.3/35

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

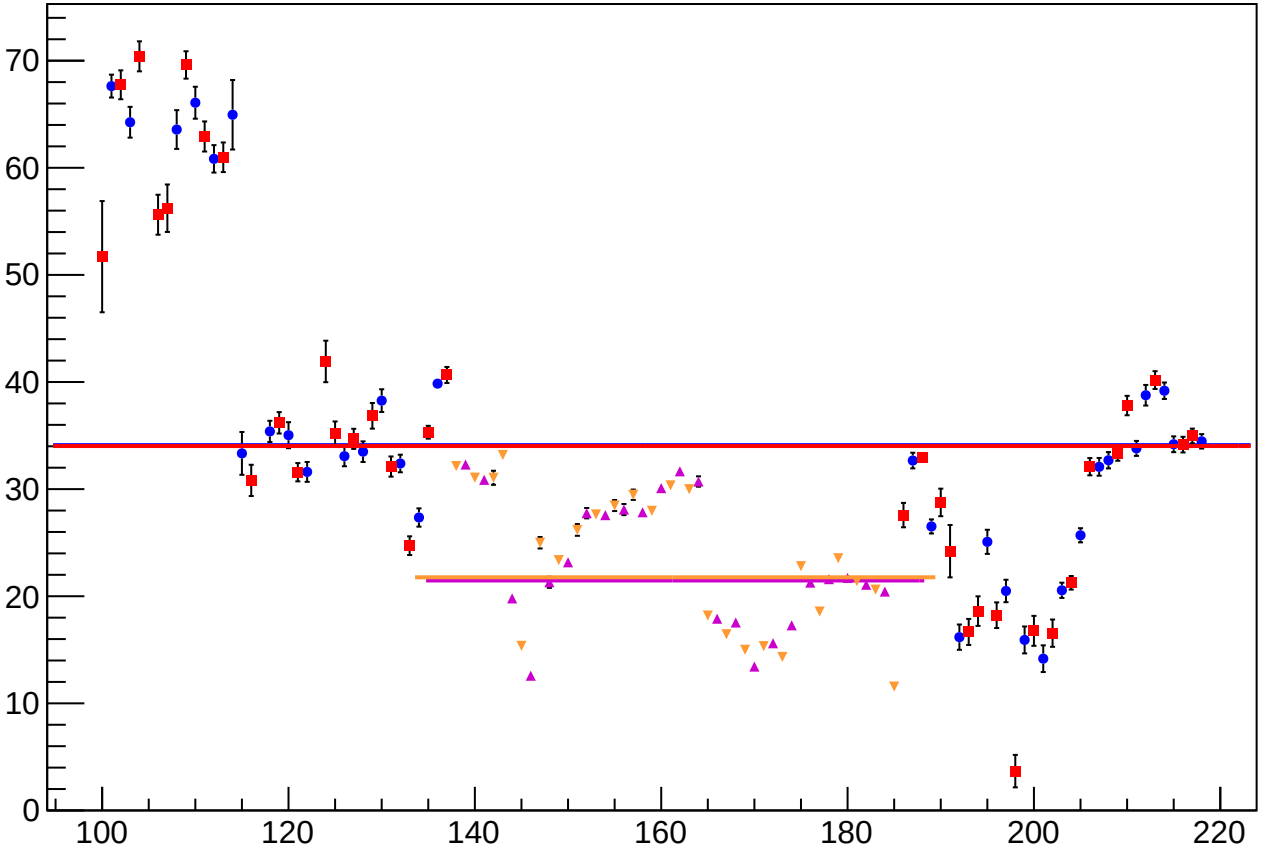
Right: 5.736+/-0.127 χ^2/NDF: 14044.4/67

In: -1.517+/-0.054 χ^2/NDF:10847.7/54

Out: -1.686+/-0.053 χ^2/NDF:9836.0/60

All: -1.603+/-0.038 χ^2/NDF: 20688.7/115

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: 34.022+/-0.153 χ^2/NDF: 5170.2/35

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

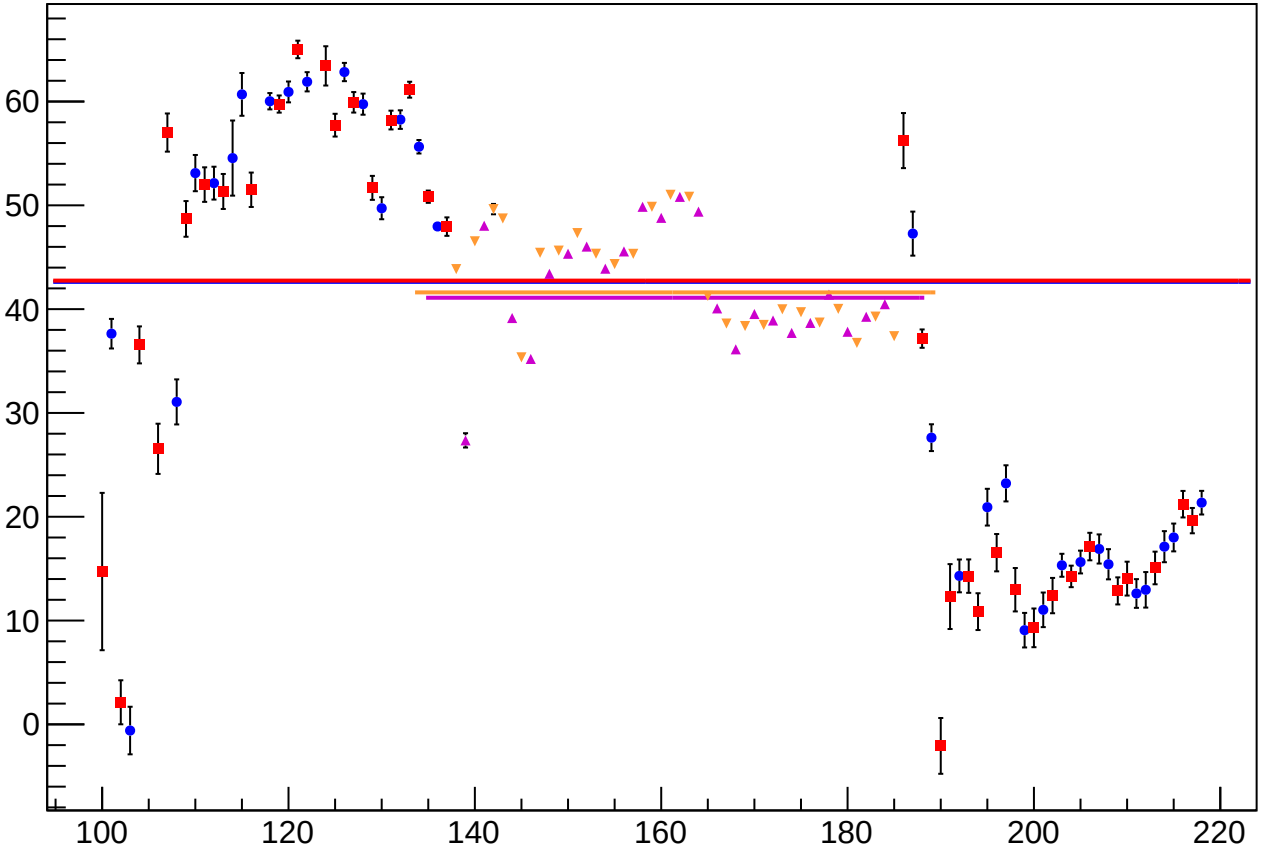
Right: 34.063+/-0.108 χ^2/NDF: 9830.6/67

In: 23.696+/-0.064 χ^2/NDF:16083.0/54

Out: 23.831+/-0.063 χ^2/NDF:17315.9/60

All: 23.765+/-0.045 χ^2/NDF: 33401.2/115

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 42.748+/-0.209 χ^2/NDF: 8520.2/35

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

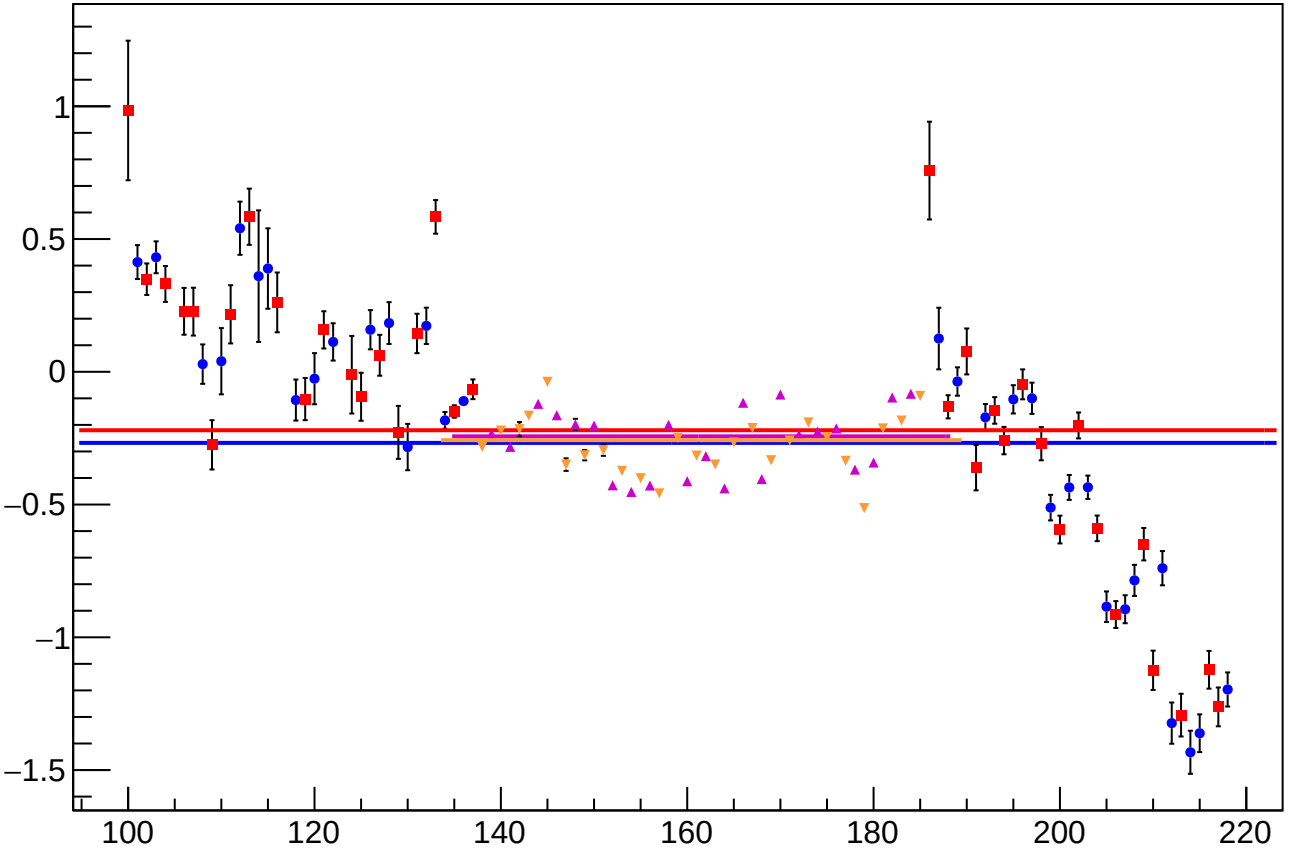
Right: 42.684+/-0.144 χ^2/NDF: 17186.1/67

In: 41.236+/-0.060 χ^2/NDF:14197.6/54

Out: 41.703+/-0.059 χ^2/NDF:14323.4/60

All: 41.474+/-0.042 χ^2/NDF: 28552.0/115

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -0.220+/-0.010 χ^2/NDF: 1681.5/35

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

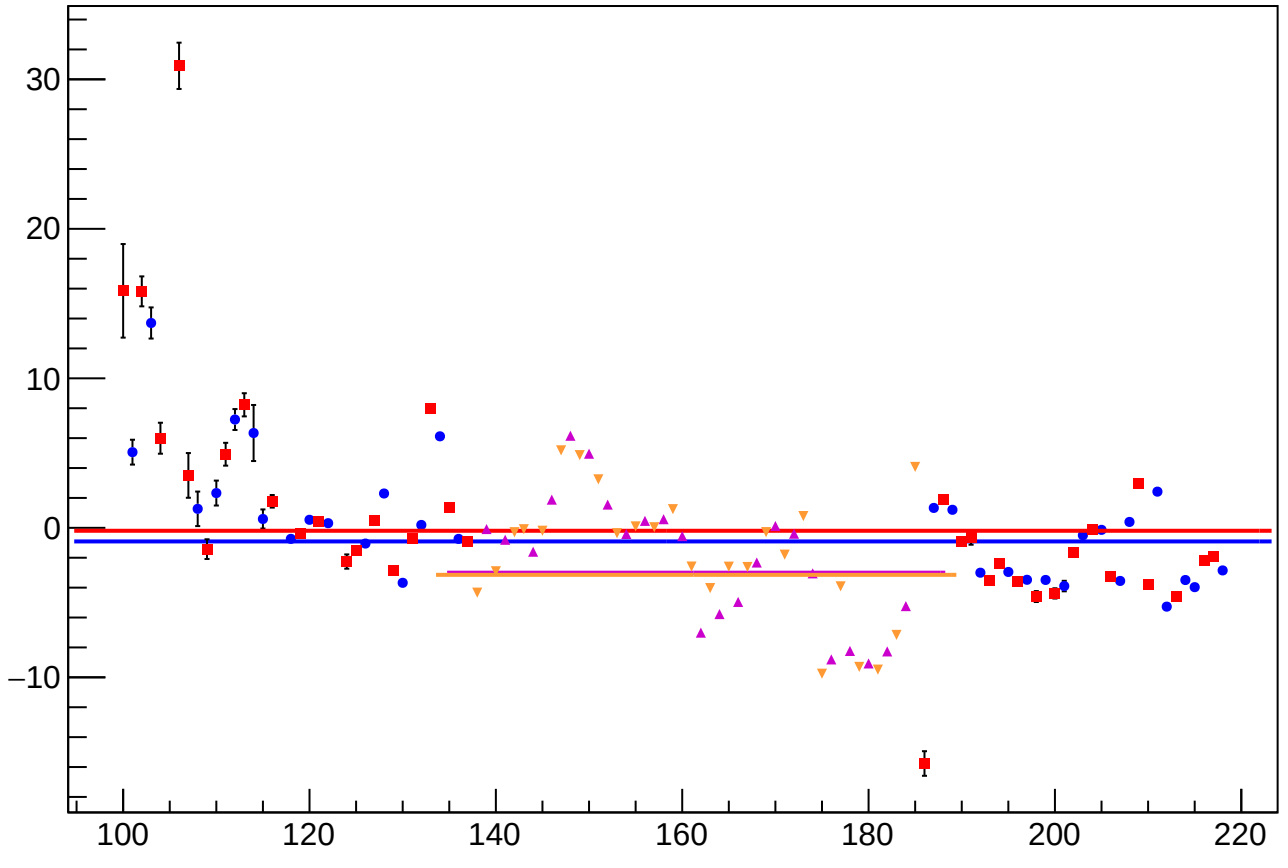
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.245+/-0.007 χ^2/NDF: 3613.4/67

In: -0.245+/-0.003 χ^2/NDF:3738.2/54

Out: -0.255+/-0.003 χ^2/NDF:3209.2/60

All: -0.250+/-0.002 χ^2/NDF: 6954.8/115



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: -0.197+/-0.044 χ^2/NDF: 5732.8/35

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

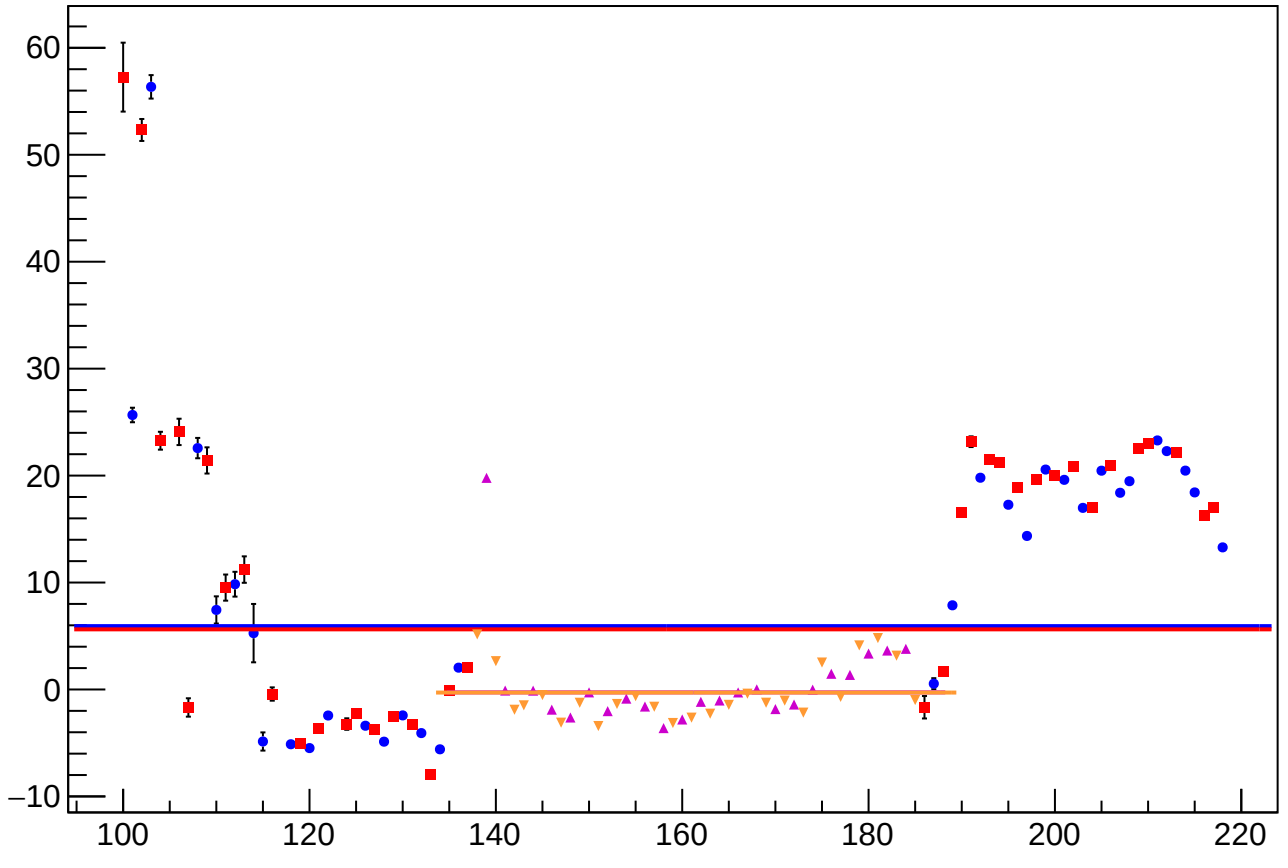
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: -0.551+/-0.032 χ^2/NDF: 9154.7/67

In: -2.398+/-0.024 χ^2/NDF:27270.5/54

Out: -2.319+/-0.024 χ^2/NDF:34254.8/60

All: -2.358+/-0.017 χ^2/NDF: 61530.8/115



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: 5.622+/-0.052 χ^2/NDF: 53026.0/35

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

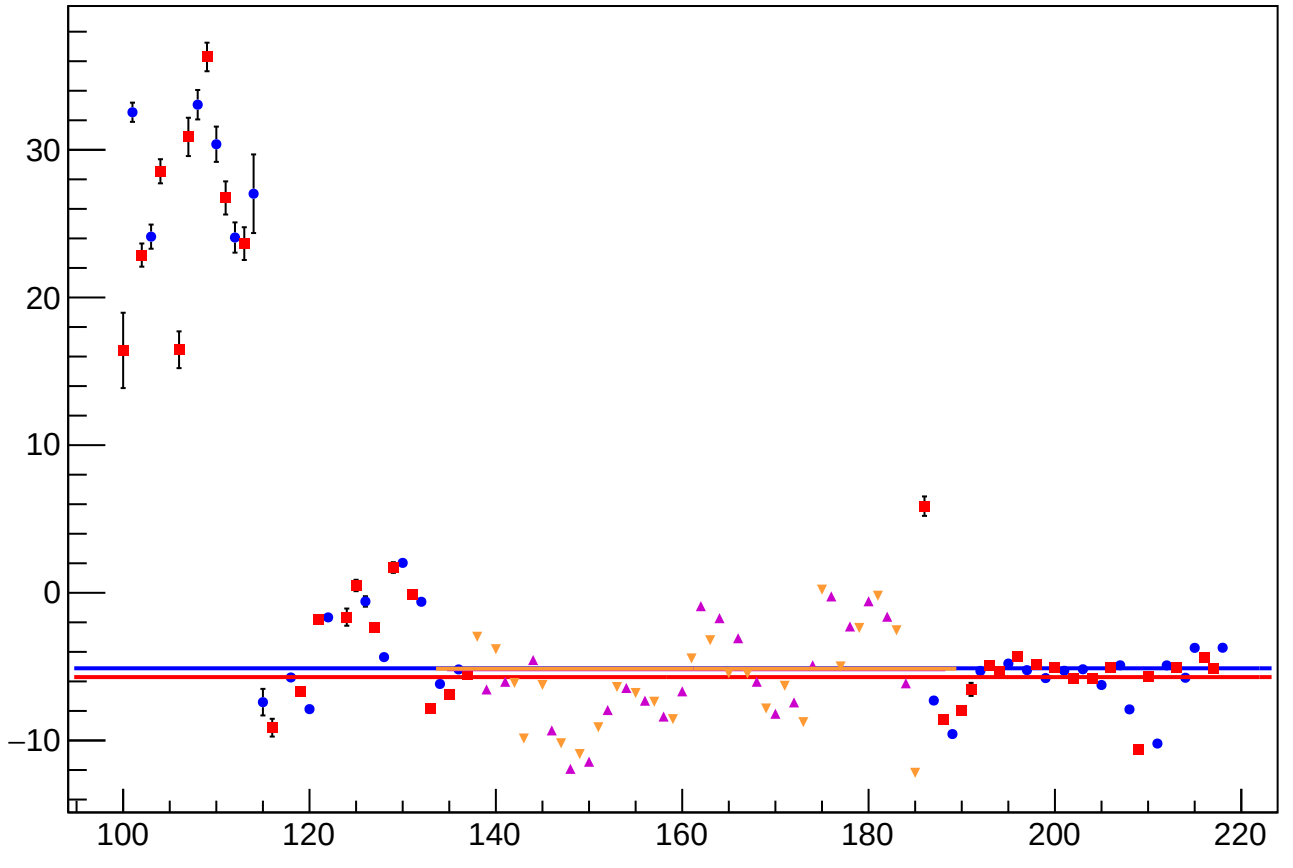
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 5.770+/-0.037 χ^2/NDF: 98013.0/67

In: 0.652+/-0.021 χ^2/NDF:69695.3/54

Out: 0.593+/-0.020 χ^2/NDF:76170.7/60

All: 0.622+/-0.014 χ^2/NDF: 145870.2/115



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: -5.708+/-0.044 χ^2/NDF: 11548.1/35

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

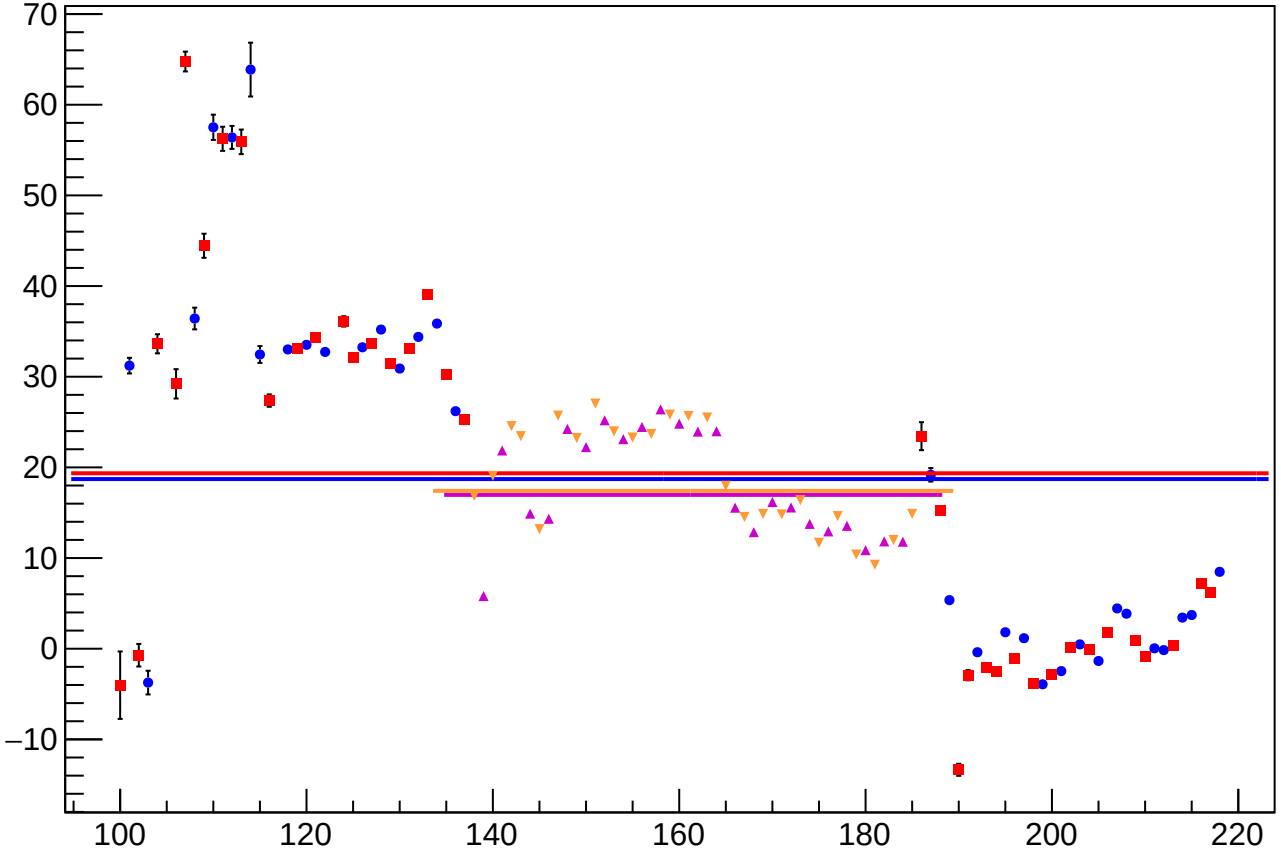
Right: -5.420+/-0.032 χ^2/NDF: 22441.3/67

In: -5.159+/-0.024 χ^2/NDF:24768.8/54

Out: -5.302+/-0.023 χ^2/NDF:26295.1/60

All: -5.232+/-0.017 χ^2/NDF: 51082.0/115

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: 19.349+/-0.060 χ^2/NDF: 78619.6/35

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

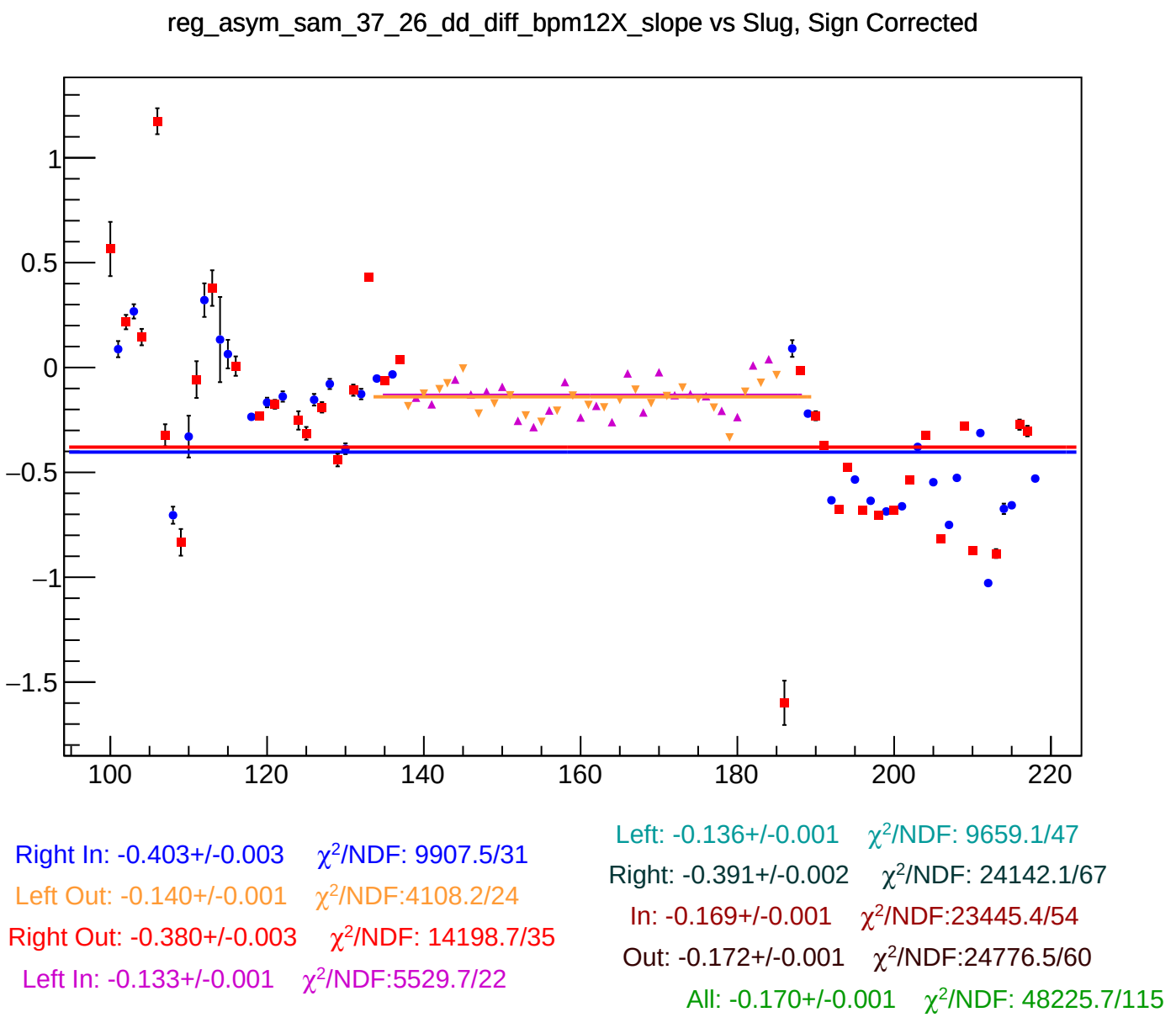
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 19.032+/-0.043 χ^2/NDF: 144441.0/67

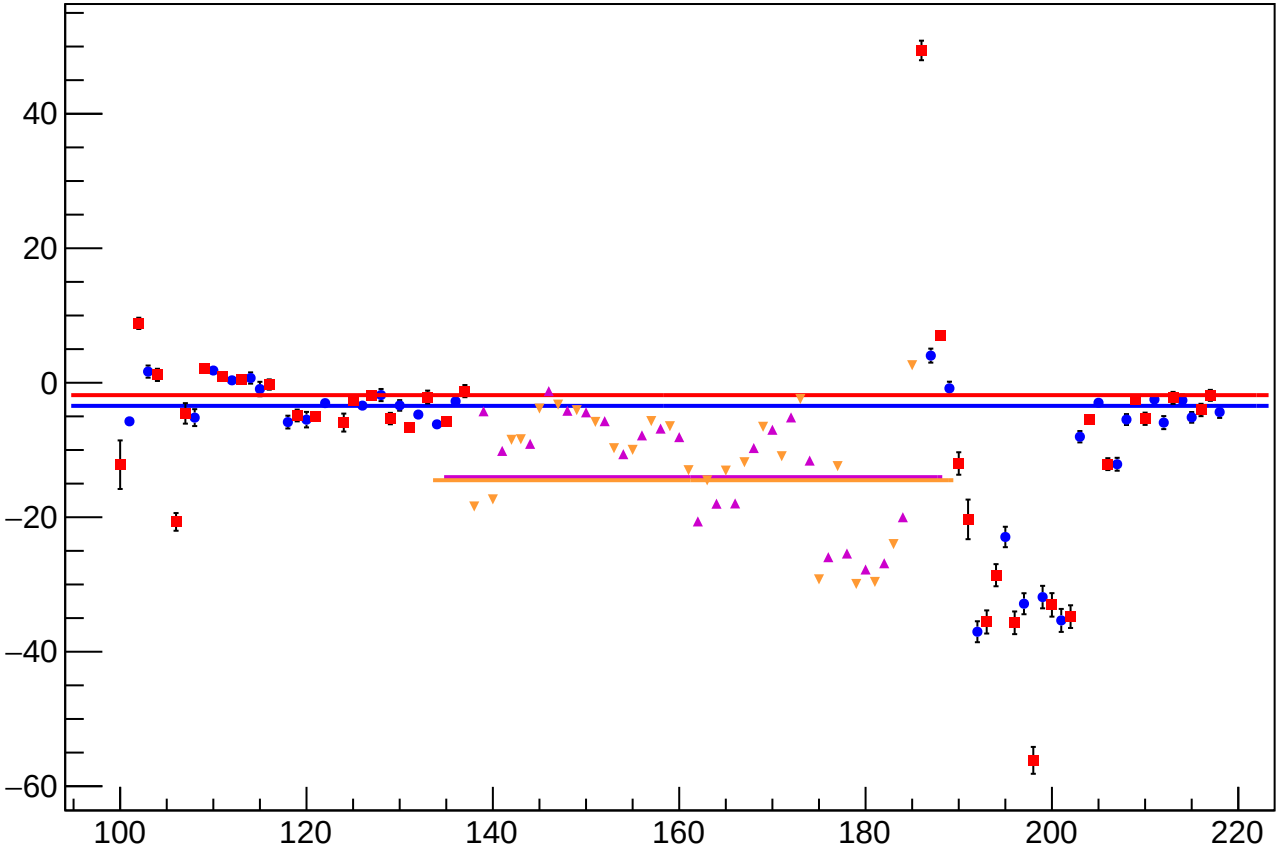
In: 17.220+/-0.023 χ^2/NDF:106410.5/54

Out: 17.682+/-0.023 χ^2/NDF:130136.5/60

All: 17.456+/-0.016 χ^2/NDF: 236750.4/115


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: -0.380+/-0.003 χ²/NDF: 14198.7/35
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: 24142.1/67
In: -0.169+/-0.001 χ²/NDF:23445.4/54
Out: -0.172+/-0.001 χ²/NDF:24776.5/60
All: -0.170+/-0.001 χ²/NDF: 48225.7/115

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: -1.842+/-0.127 χ^2/NDF: 5055.6/35

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

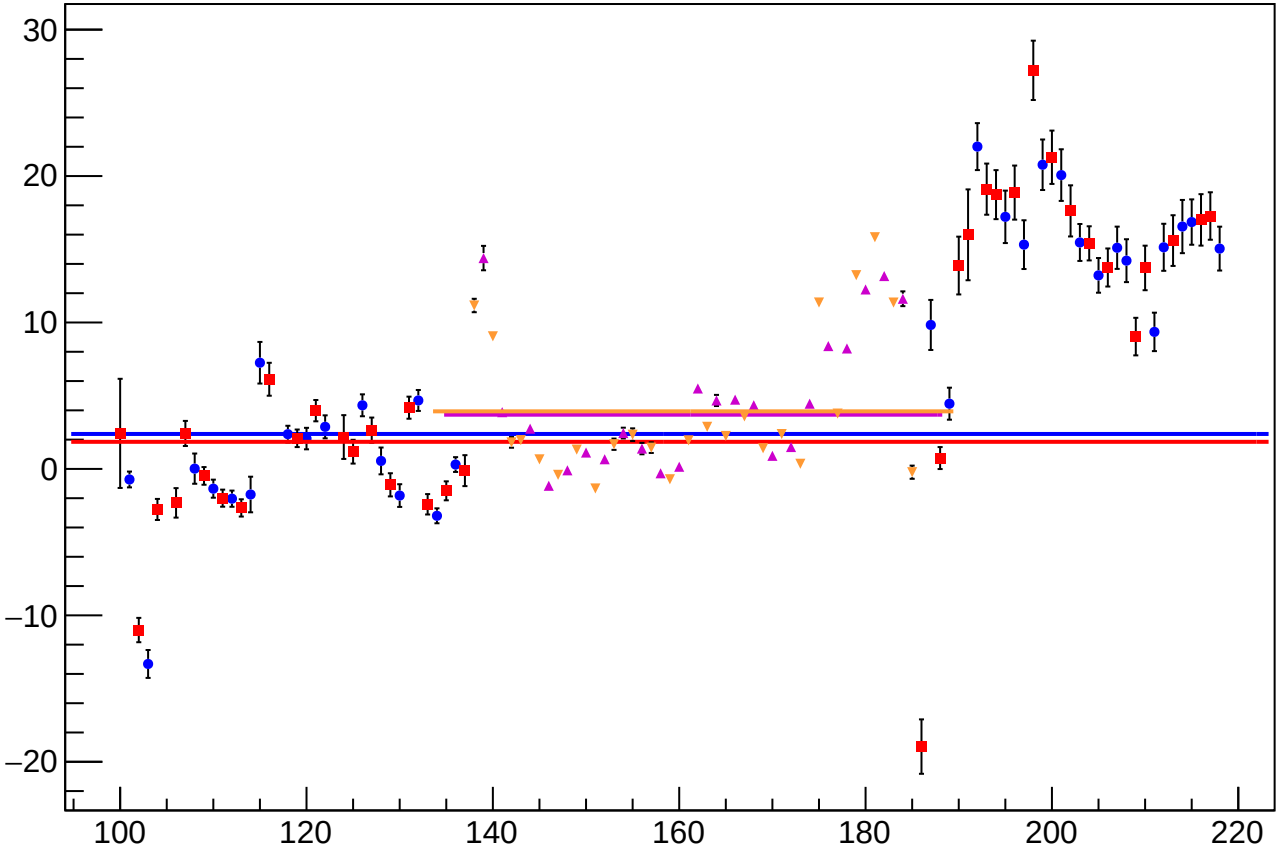
Right: -2.610+/-0.091 χ^2/NDF: 7353.9/67

In: -11.342+/-0.066 χ^2/NDF:20548.1/54

Out: -11.223+/-0.064 χ^2/NDF:29692.8/60

All: -11.280+/-0.046 χ^2/NDF: 50242.6/115

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: 1.851+/-0.159 χ^2/NDF: 1892.1/35

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

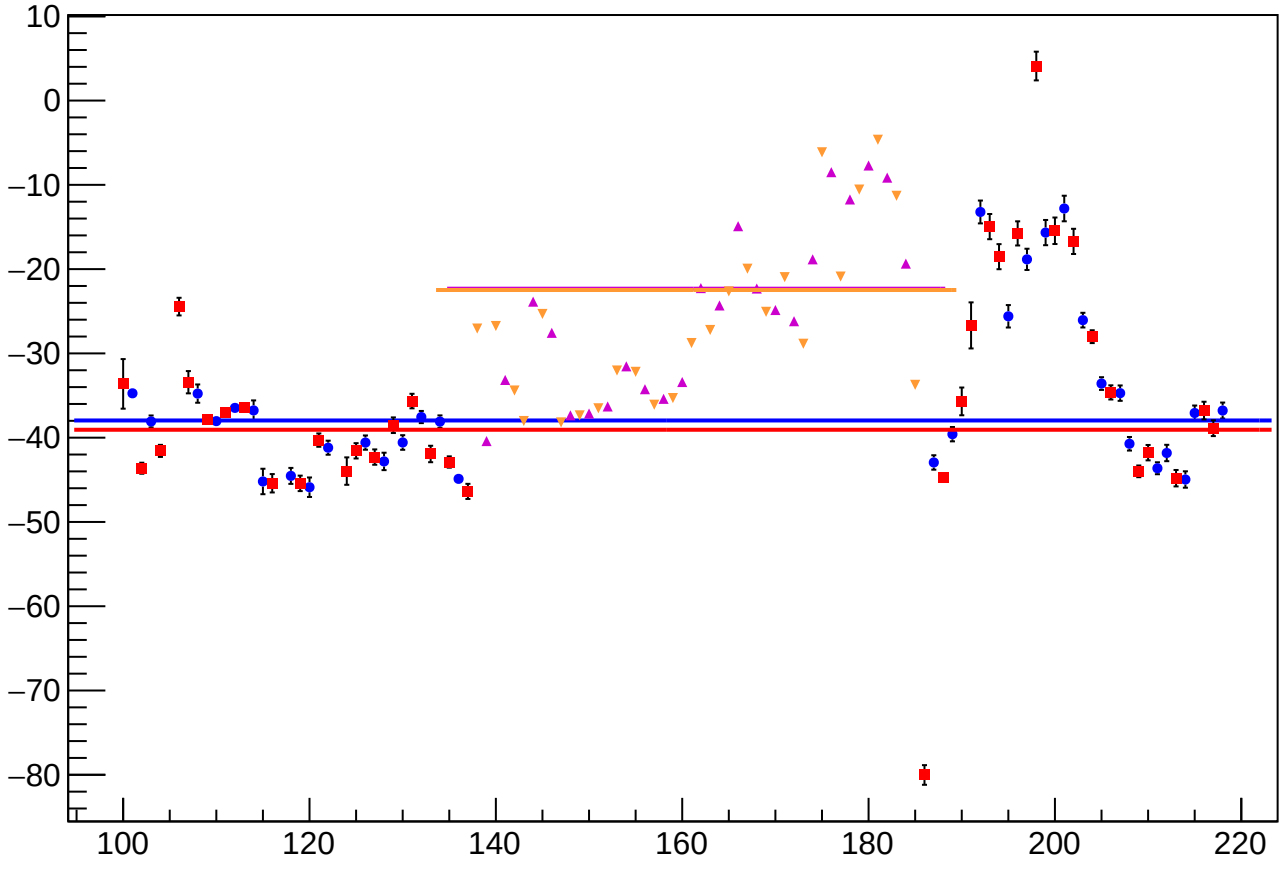
Right: 2.123+/-0.112 χ^2/NDF: 3680.1/67

In: 3.538+/-0.055 χ^2/NDF:6632.4/54

Out: 3.688+/-0.054 χ^2/NDF:9022.5/60

All: 3.615+/-0.039 χ^2/NDF: 15658.6/115

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: -39.061+/-0.142 χ^2/NDF: 4139.8/35

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

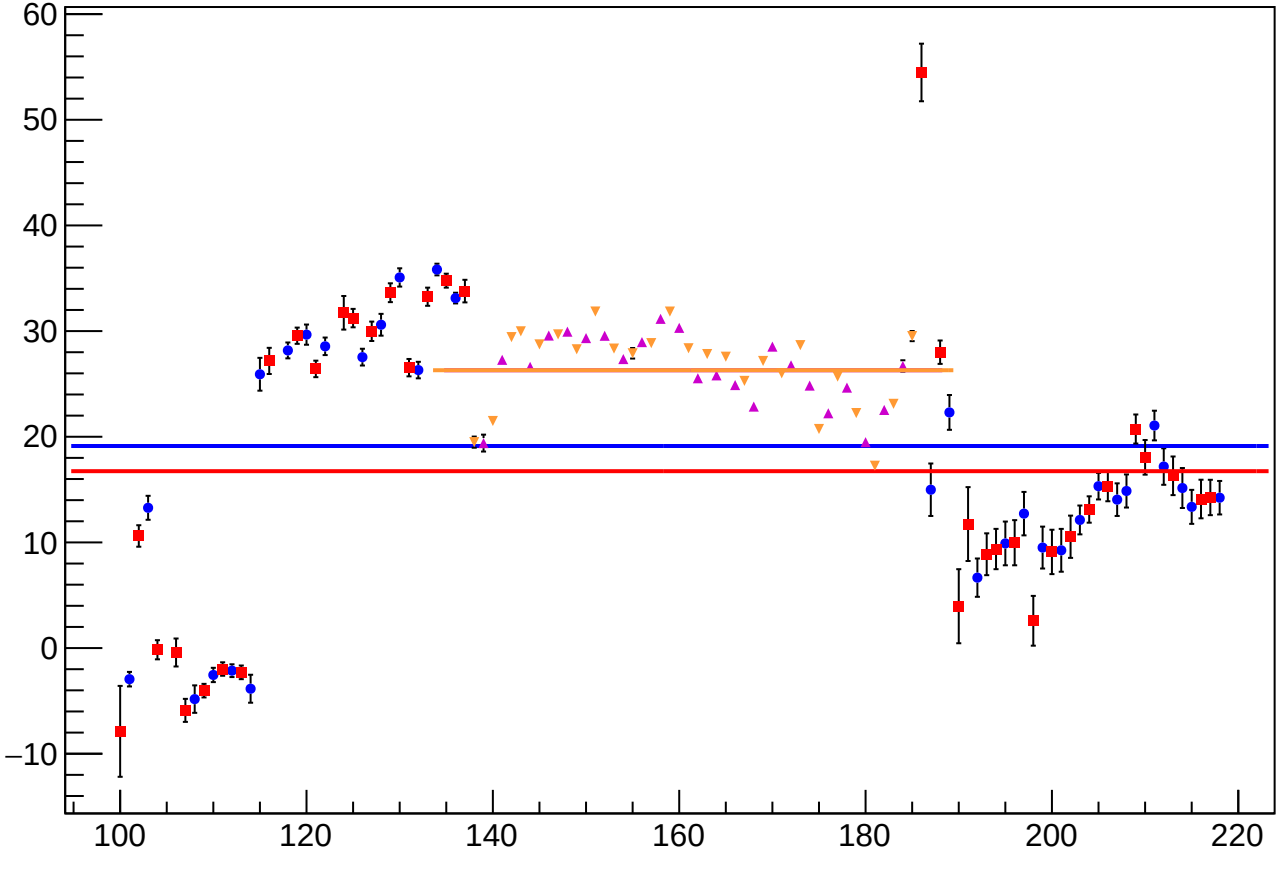
Right: -38.514+/-0.101 χ^2/NDF: 6213.0/67

In: -25.782+/-0.068 χ^2/NDF:28402.2/54

Out: -26.062+/-0.066 χ^2/NDF:35185.8/60

All: -25.925+/-0.047 χ^2/NDF: 63596.8/115

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: 16.742+/-0.181 χ^2/NDF: 7172.3/35

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

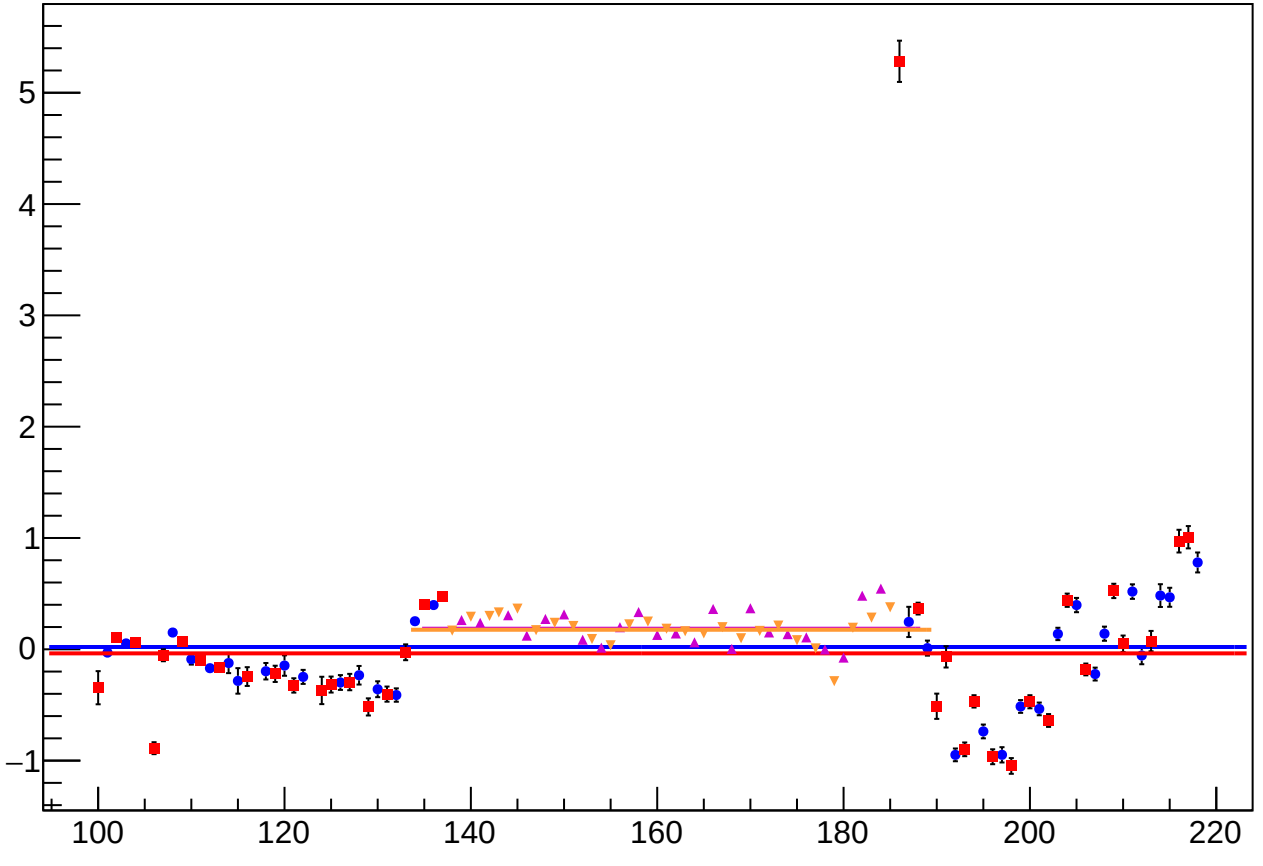
Right: 17.961+/-0.126 χ^2/NDF: 14187.1/67

In: 25.398+/-0.062 χ^2/NDF:10554.2/54

Out: 25.199+/-0.061 χ^2/NDF:12953.4/60

All: 25.297+/-0.044 χ^2/NDF: 23512.8/115

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: -0.037+/-0.009 χ^2/NDF: 2926.0/35

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

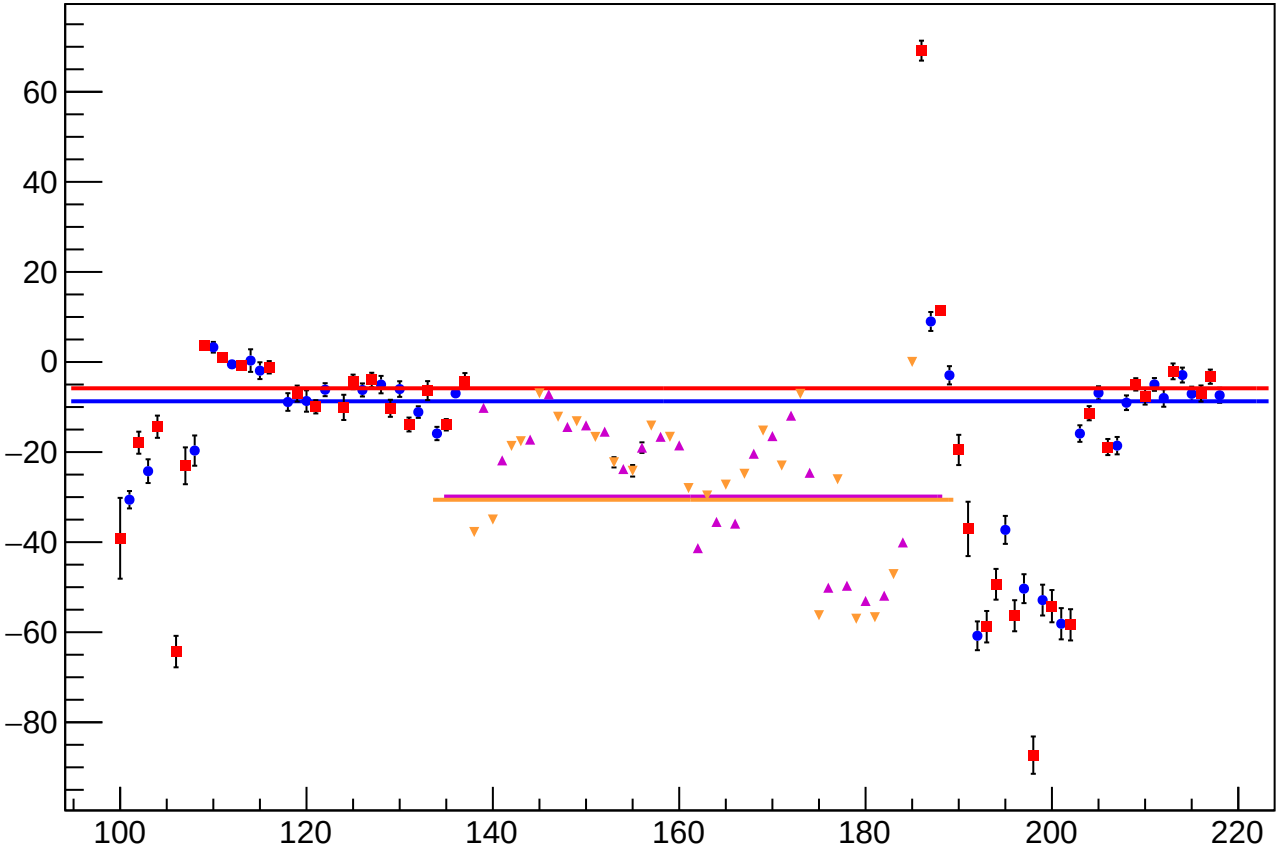
Right: -0.007+/-0.006 χ^2/NDF: 4609.3/67

In: 0.168+/-0.003 χ^2/NDF:4511.1/54

Out: 0.156+/-0.003 χ^2/NDF:5344.0/60

All: 0.162+/-0.002 χ^2/NDF: 9864.4/115

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: -5.836+/-0.295 χ^2/NDF: 3515.3/35

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

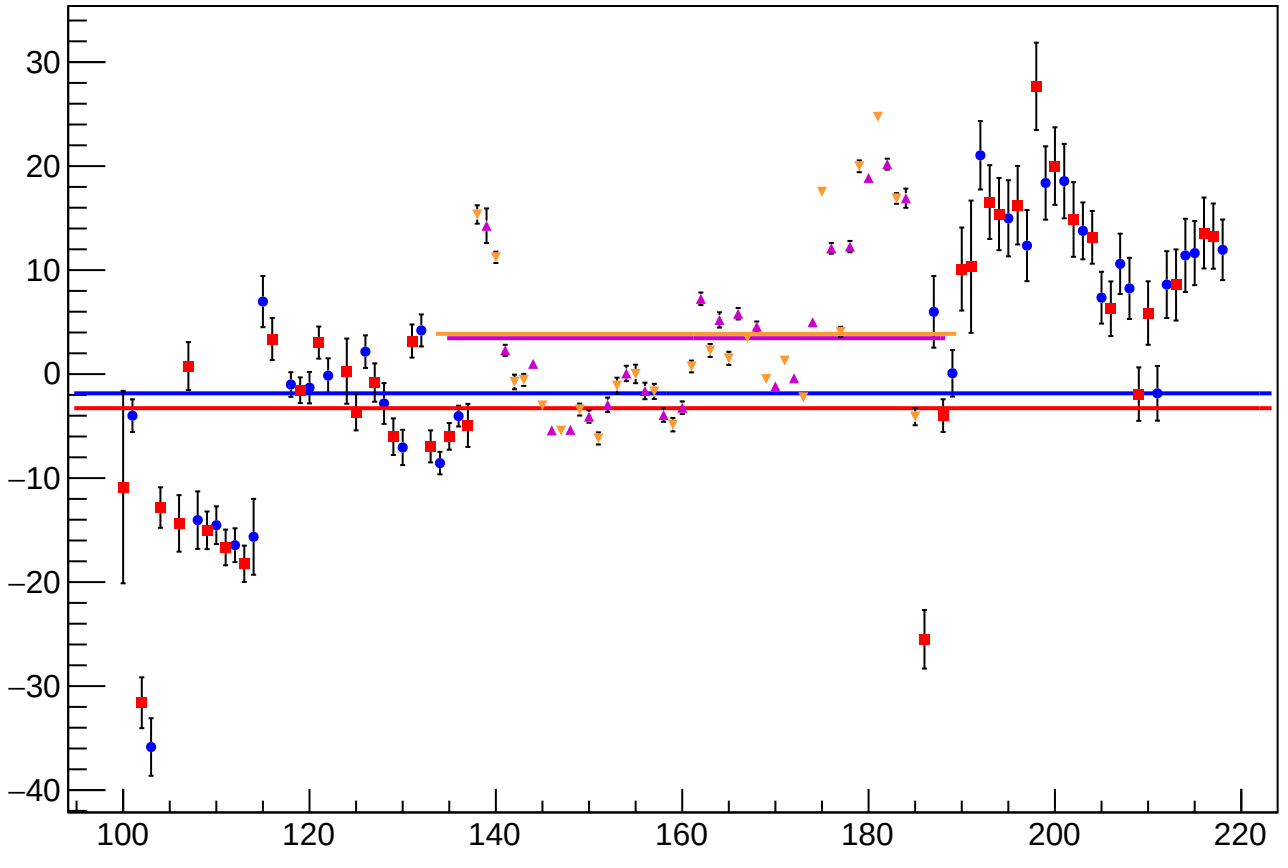
Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

Right: -7.265+/-0.209 χ^2/NDF: 5007.7/67

In: -25.757+/-0.131 χ^2/NDF:17556.9/54

Out: -25.912+/-0.128 χ^2/NDF:25290.0/60

All: -25.836+/-0.092 χ^2/NDF: 42847.6/115



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: -3.277+/-0.361 χ^2/NDF: 830.2/35

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

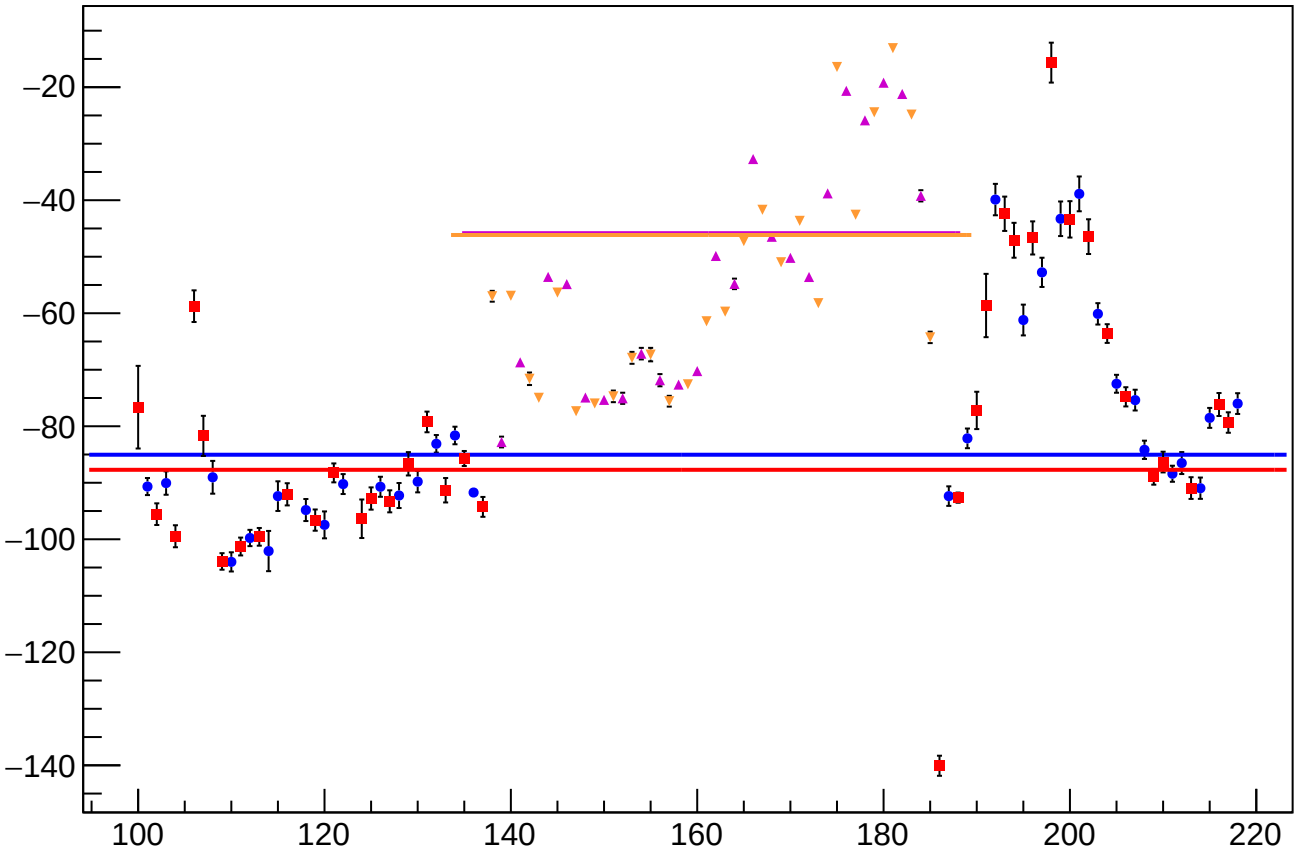
Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

Right: -2.539+/-0.251 χ^2/NDF: 1544.7/67

In: 2.947+/-0.108 χ^2/NDF:5607.8/54

Out: 3.255+/-0.106 χ^2/NDF:7729.6/60

All: 3.104+/-0.076 χ^2/NDF: 13341.5/115



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: -87.707+/-0.319 χ^2/NDF: 3149.5/35

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

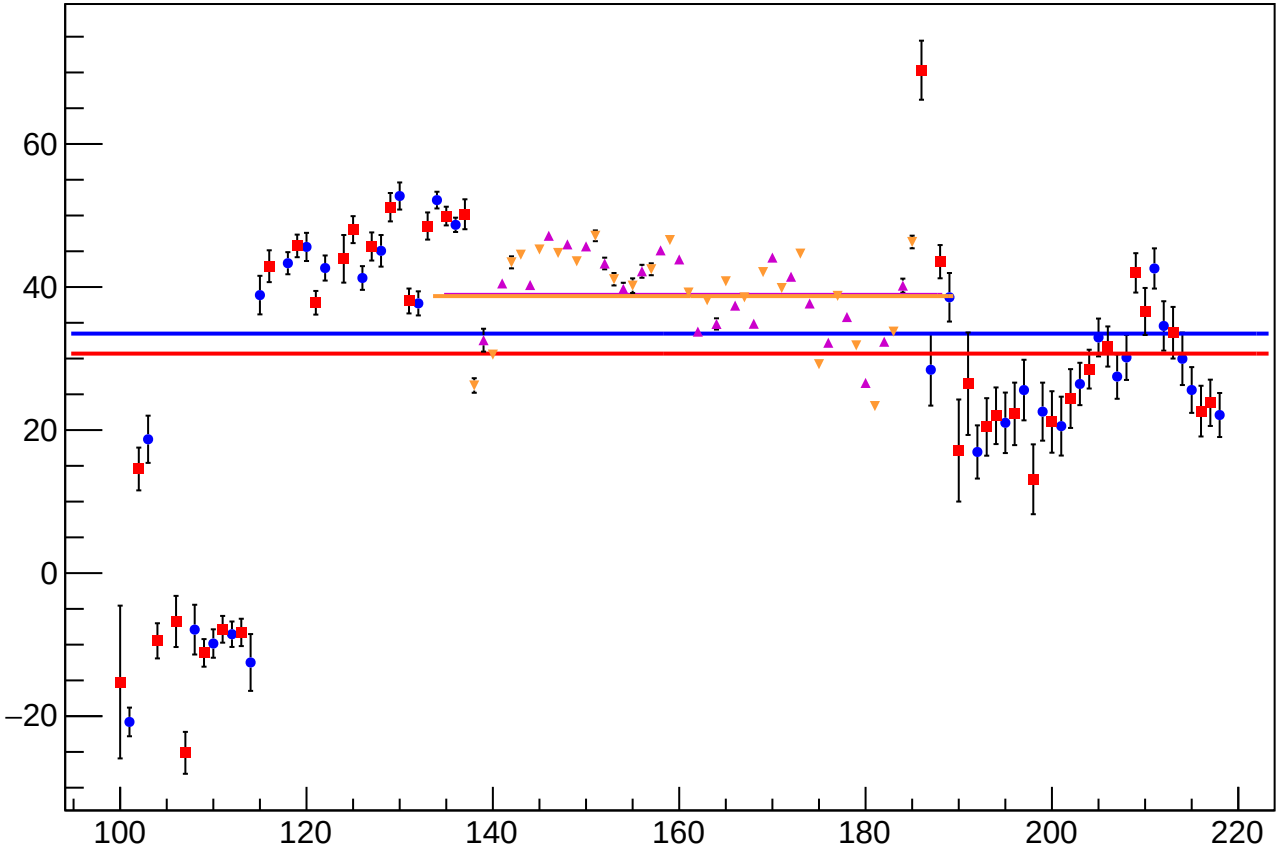
Right: -86.370+/-0.225 χ^2/NDF: 4865.9/67

In: -52.646+/-0.133 χ^2/NDF:32135.0/54

Out: -53.054+/-0.130 χ^2/NDF:38745.1/60

All: -52.854+/-0.093 χ^2/NDF: 70884.9/115

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: 30.692+/-0.410 χ^2/NDF: 3105.0/35

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

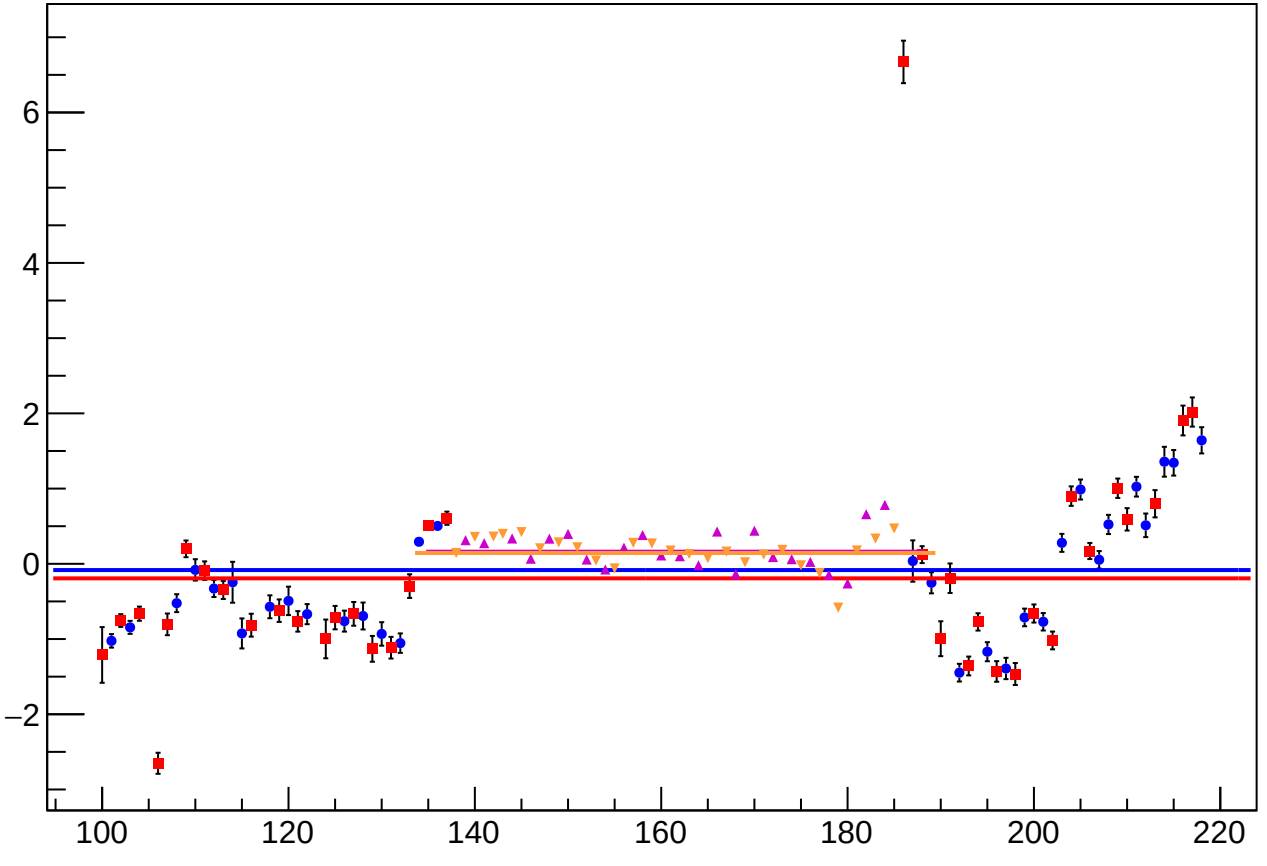
Right: 32.153+/-0.284 χ^2/NDF: 6040.4/67

In: 38.387+/-0.121 χ^2/NDF:5055.3/54

Out: 38.052+/-0.119 χ^2/NDF:6238.0/60

All: 38.217+/-0.085 χ^2/NDF: 11297.2/115

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: -0.193+/-0.021 χ^2/NDF: 2243.6/35

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

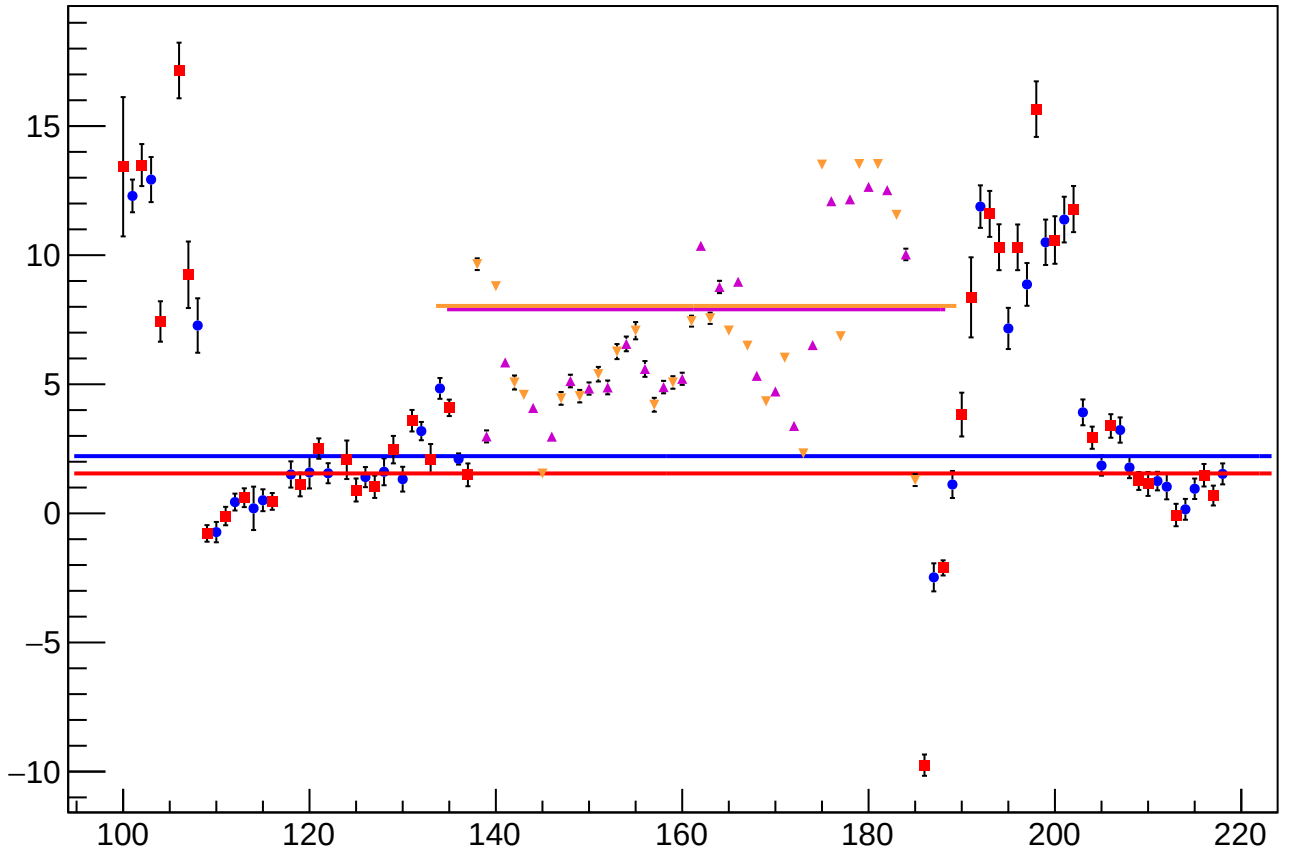
Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

Right: -0.135+/-0.014 χ^2/NDF: 3653.8/67

In: 0.142+/-0.005 χ^2/NDF:3456.6/54

Out: 0.121+/-0.005 χ^2/NDF:3929.4/60

All: 0.132+/-0.004 χ^2/NDF: 7393.6/115



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: 1.547+/-0.080 χ^2/NDF: 2432.1/35

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

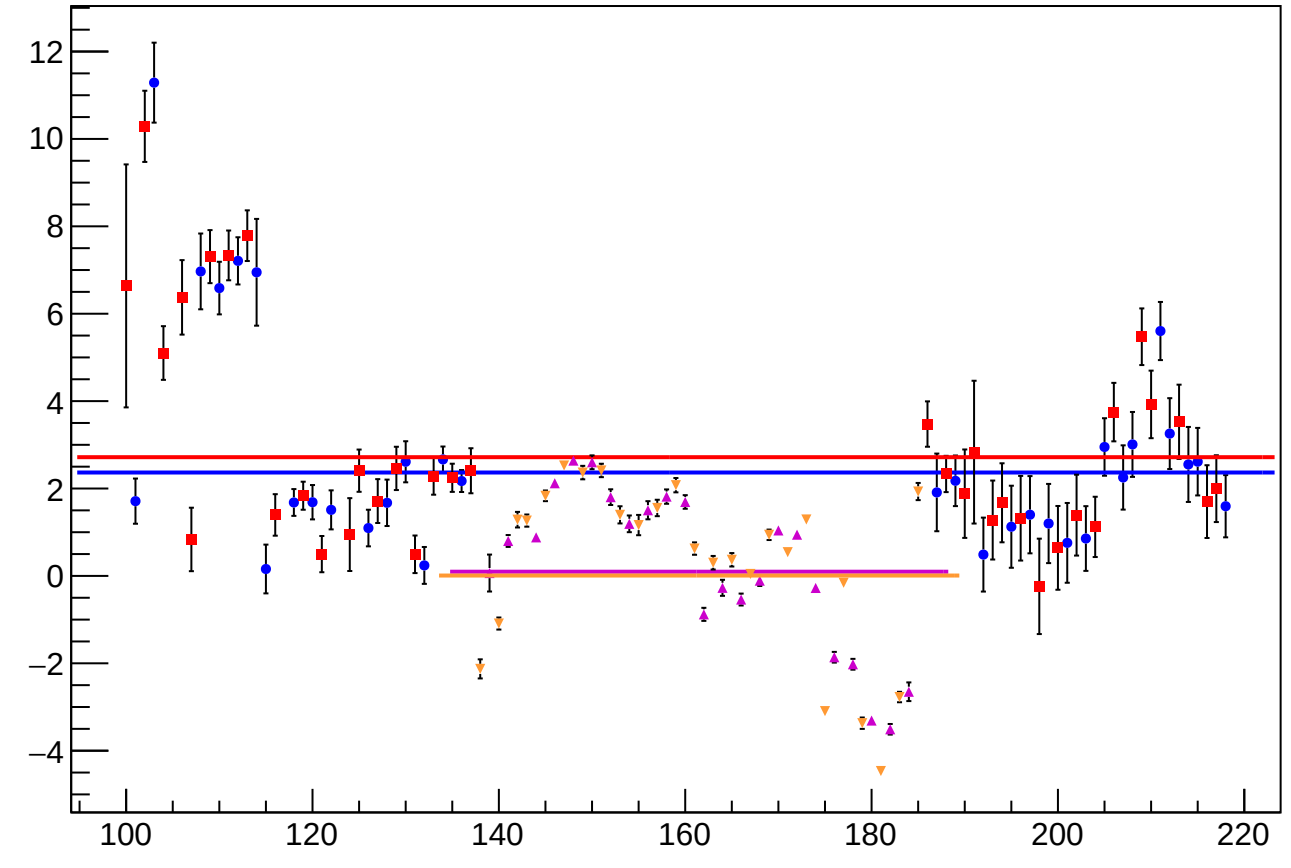
Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

Right: 1.881+/-0.057 χ^2/NDF: 3652.5/67

In: 6.956+/-0.033 χ^2/NDF:15405.6/54

Out: 7.002+/-0.032 χ^2/NDF:21907.5/60

All: 6.979+/-0.023 χ^2/NDF: 37314.2/115



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: 2.717+/-0.098 χ^2/NDF: 466.5/35

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

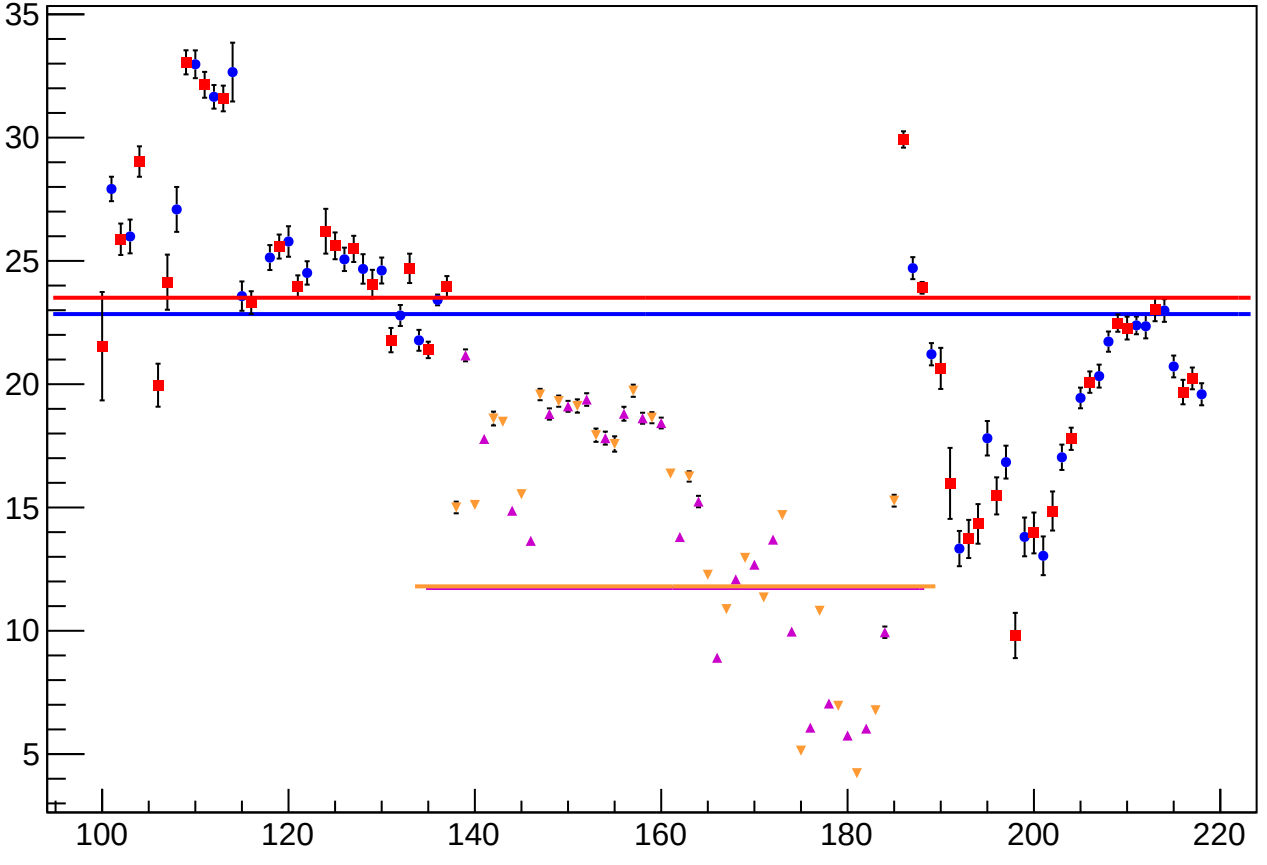
Right: 2.536+/-0.068 χ^2/NDF: 852.1/67

In: 0.281+/-0.027 χ^2/NDF:5343.5/54

Out: 0.207+/-0.026 χ^2/NDF:6940.4/60

All: 0.244+/-0.019 χ^2/NDF: 12287.7/115

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: 23.506+/-0.085 χ^2/NDF: 2771.1/35

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

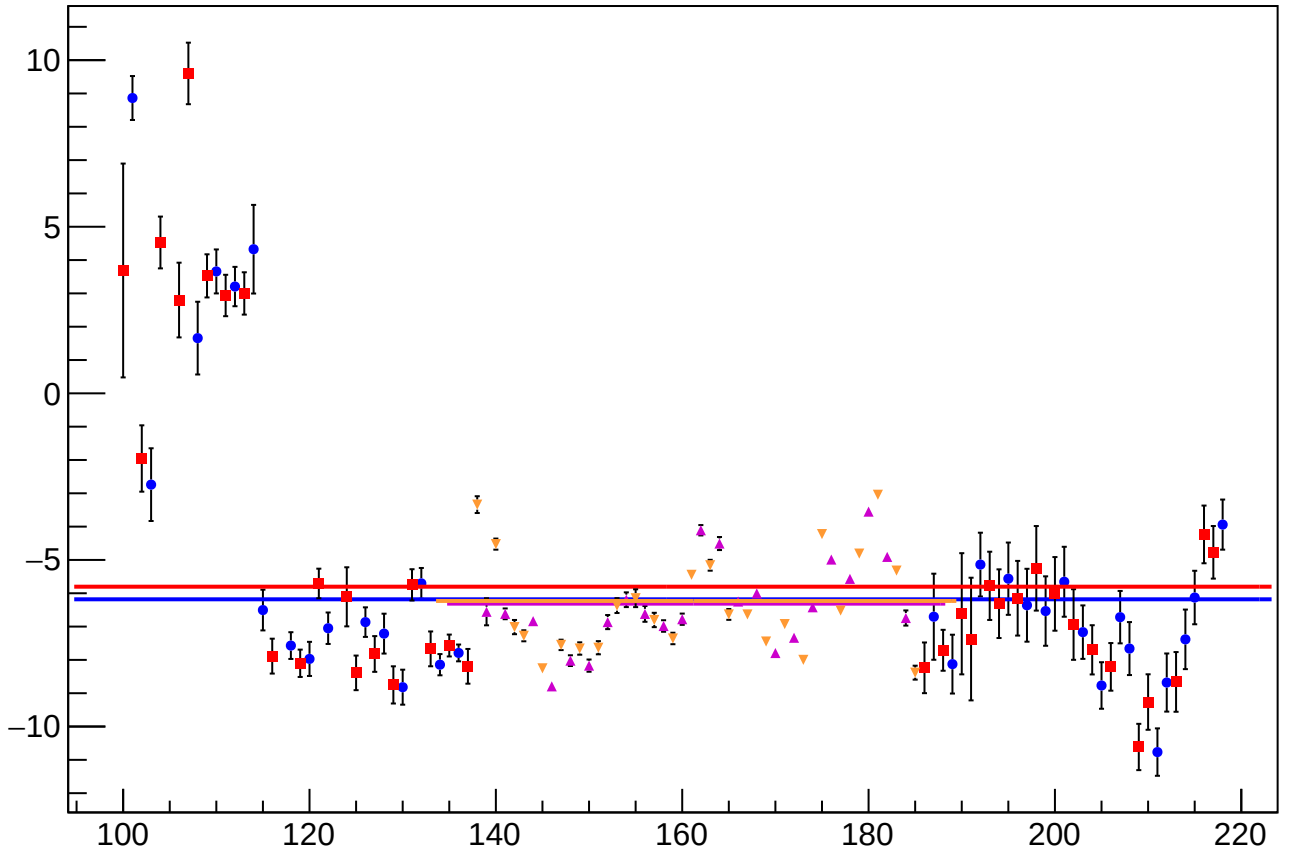
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 23.176+/-0.060 χ^2/NDF: 4728.5/67

In: 13.411+/-0.033 χ^2/NDF:34446.1/54

Out: 13.500+/-0.032 χ^2/NDF:40619.6/60

All: 13.457+/-0.023 χ^2/NDF: 75069.4/115



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: -5.803+/-0.111 χ^2/NDF: 1432.8/35

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

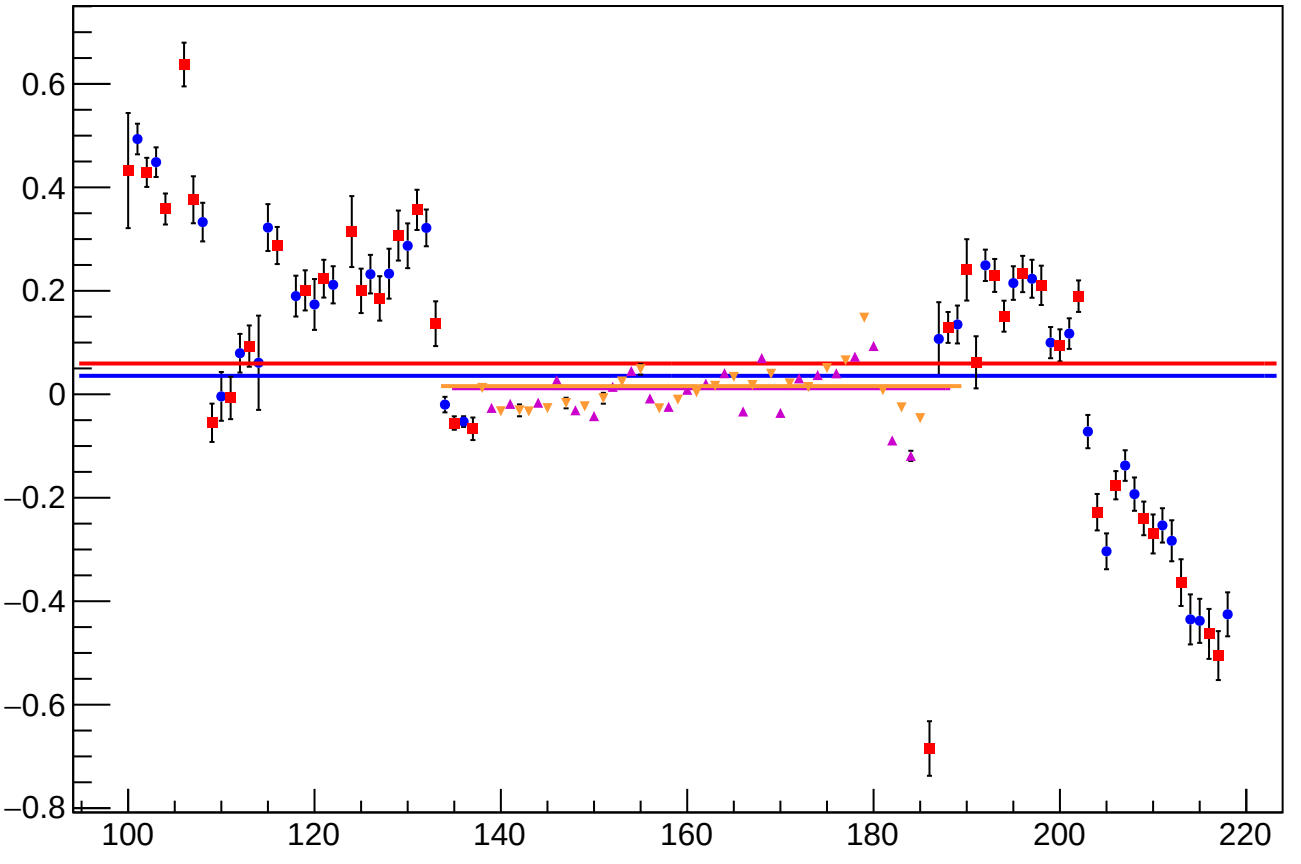
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -6.002+/-0.076 χ^2/NDF: 2783.2/67

In: -6.301+/-0.030 χ^2/NDF:3375.8/54

Out: -6.200+/-0.030 χ^2/NDF:3896.7/60

All: -6.249+/-0.021 χ^2/NDF: 7278.2/115



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: 0.060+/-0.006 χ^2/NDF: 1799.8/35

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

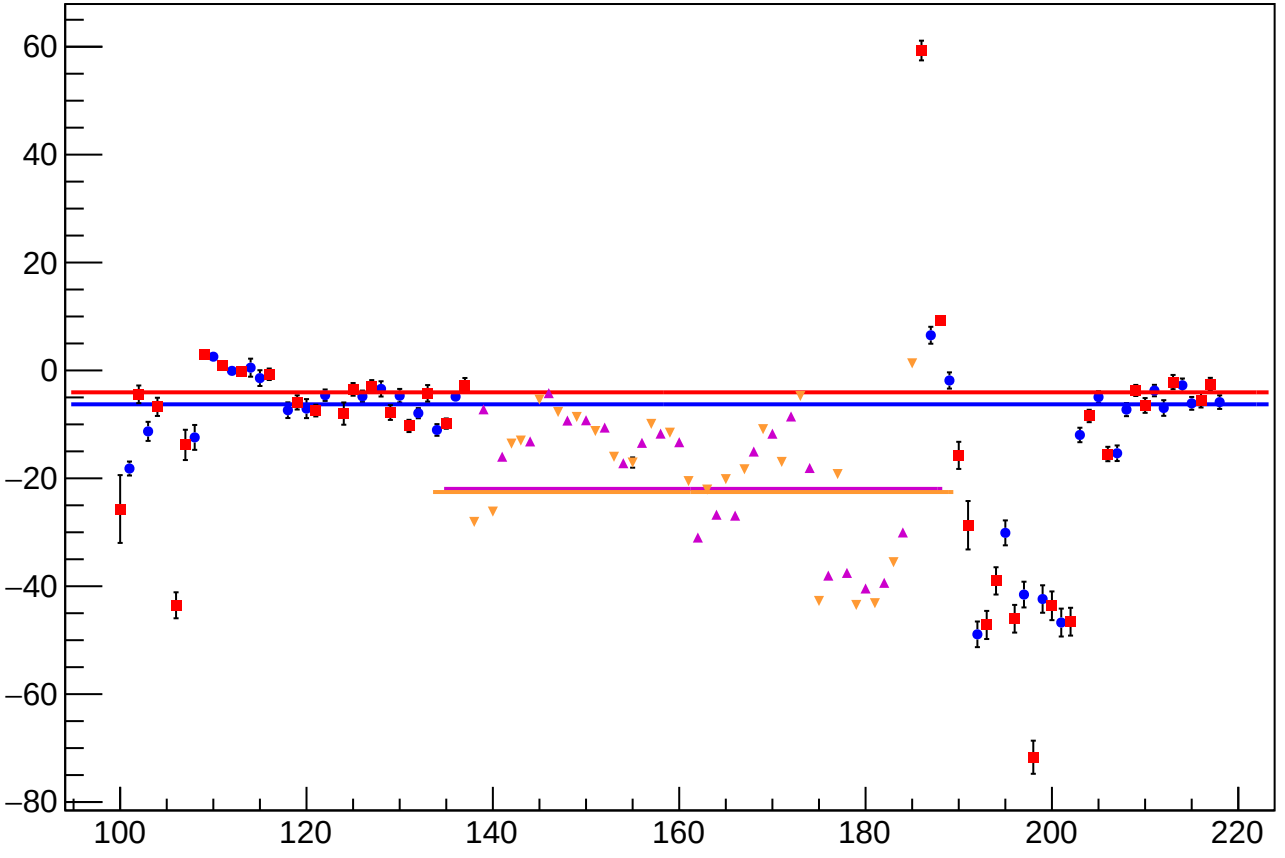
Right: 0.047+/-0.004 χ^2/NDF: 3434.9/67

In: 0.013+/-0.001 χ^2/NDF:2942.4/54

Out: 0.018+/-0.001 χ^2/NDF:2790.4/60

All: 0.016+/-0.001 χ^2/NDF: 5739.6/115

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: -4.058+/-0.212 χ^2/NDF: 3915.4/35

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

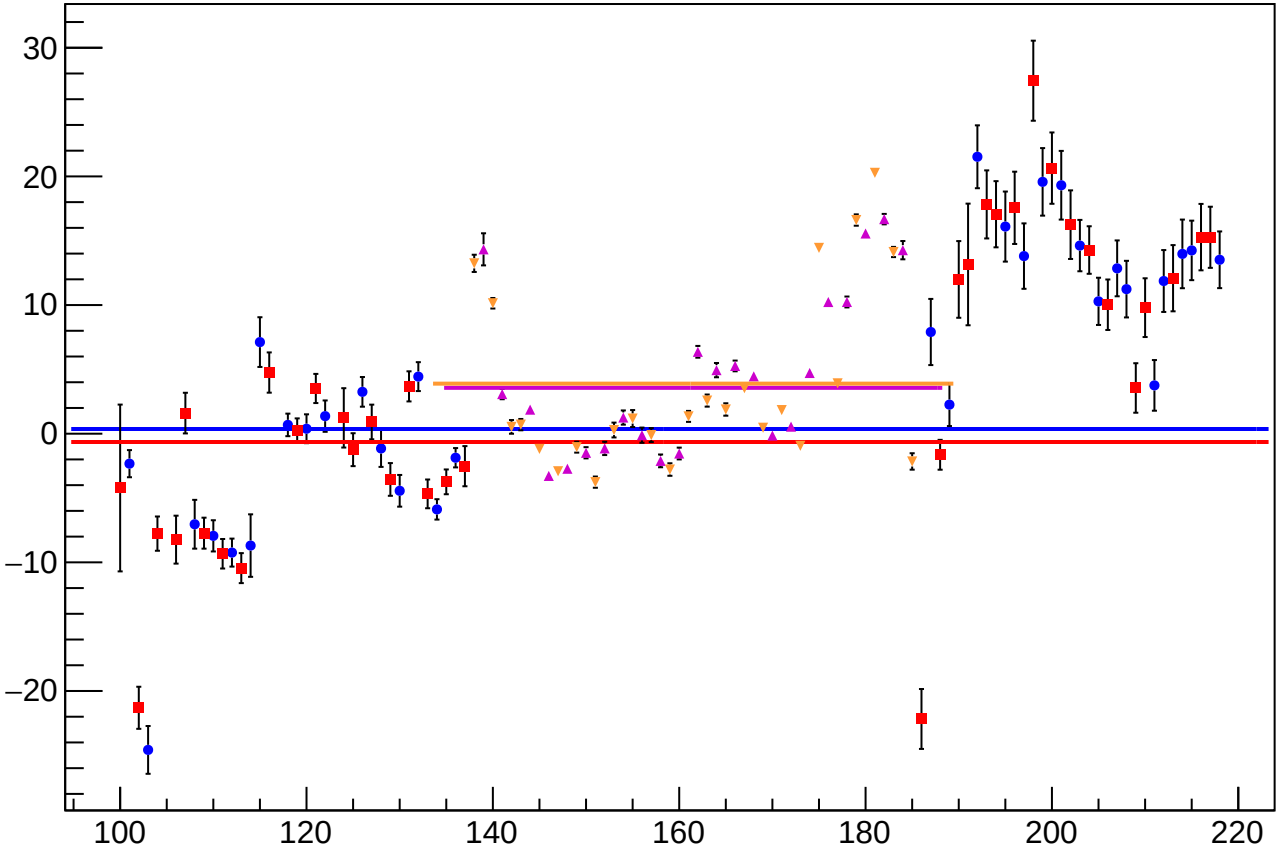
Right: -5.152+/-0.151 χ^2/NDF: 5587.1/67

In: -18.671+/-0.099 χ^2/NDF:18371.5/54

Out: -18.736+/-0.096 χ^2/NDF:26467.0/60

All: -18.705+/-0.069 χ^2/NDF: 44838.7/115

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -0.645+/-0.262 χ^2/NDF: 1101.4/35

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

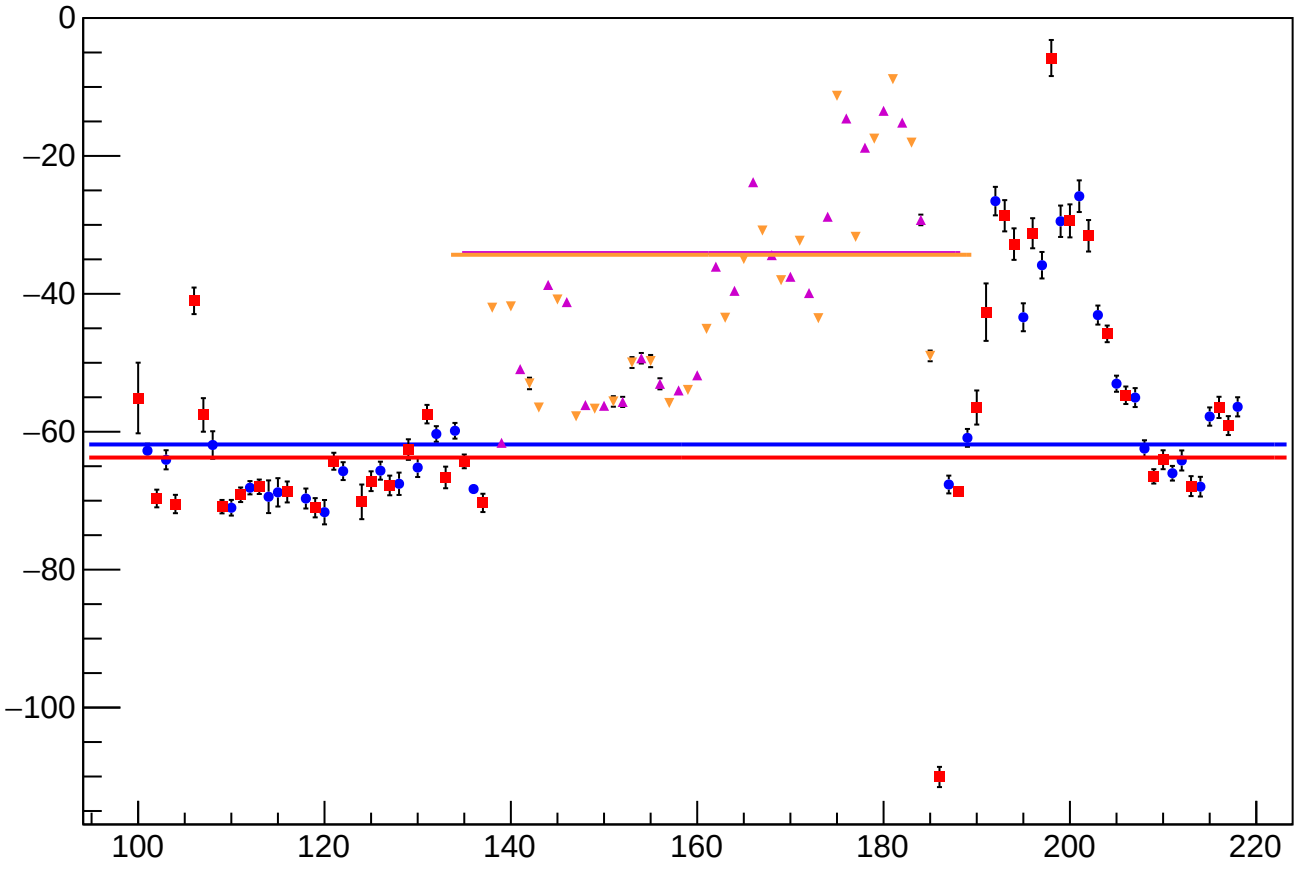
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -0.125+/-0.183 χ^2/NDF: 2081.1/67

In: 3.236+/-0.082 χ^2/NDF:5853.2/54

Out: 3.466+/-0.080 χ^2/NDF:8097.3/60

All: 3.353+/-0.057 χ^2/NDF: 13954.5/115



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: -63.742+/-0.232 χ^2/NDF: 3349.5/35

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

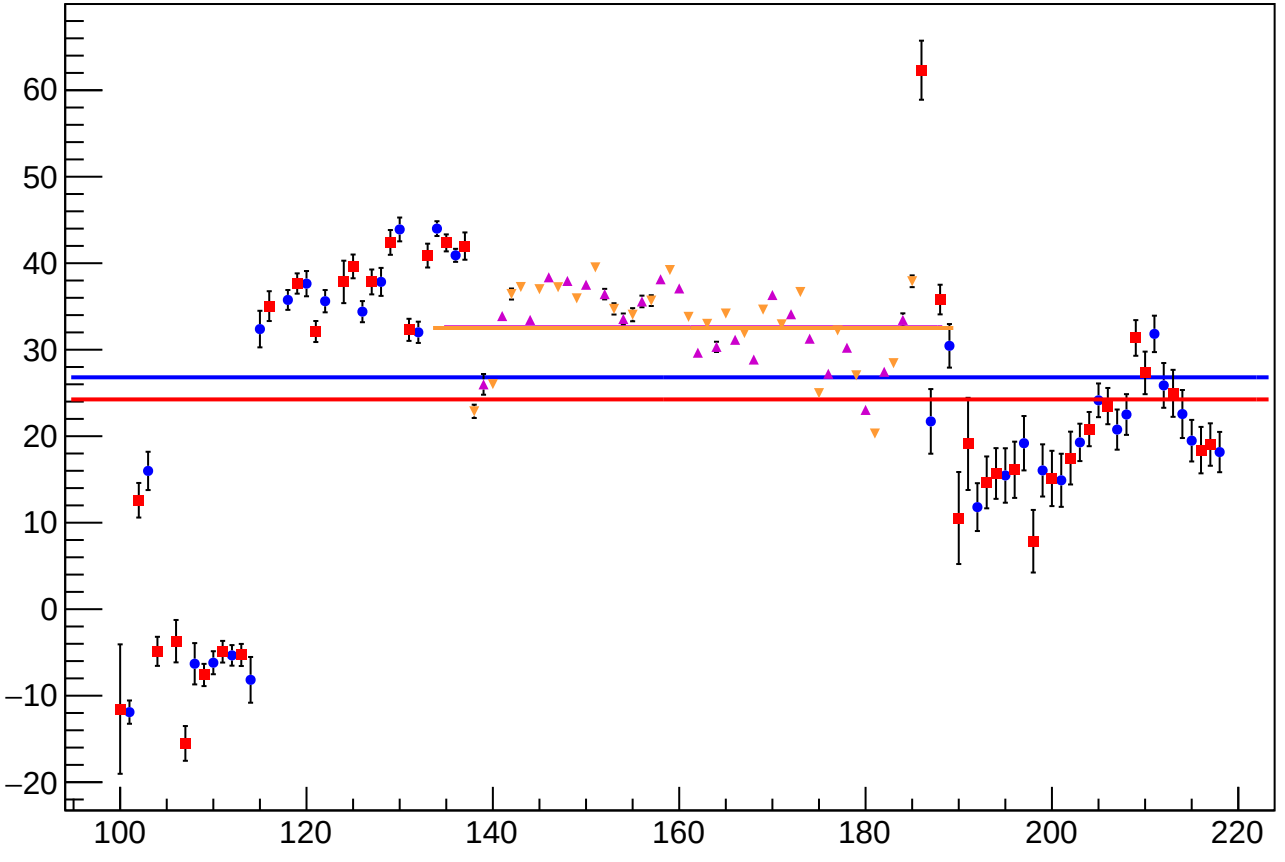
Right: -62.793+/-0.164 χ^2/NDF: 5067.8/67

In: -39.246+/-0.100 χ^2/NDF:31032.8/54

Out: -39.576+/-0.098 χ^2/NDF:37701.2/60

All: -39.414+/-0.070 χ^2/NDF: 68739.6/115

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 24.253+/-0.297 χ^2/NDF: 4103.5/35

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

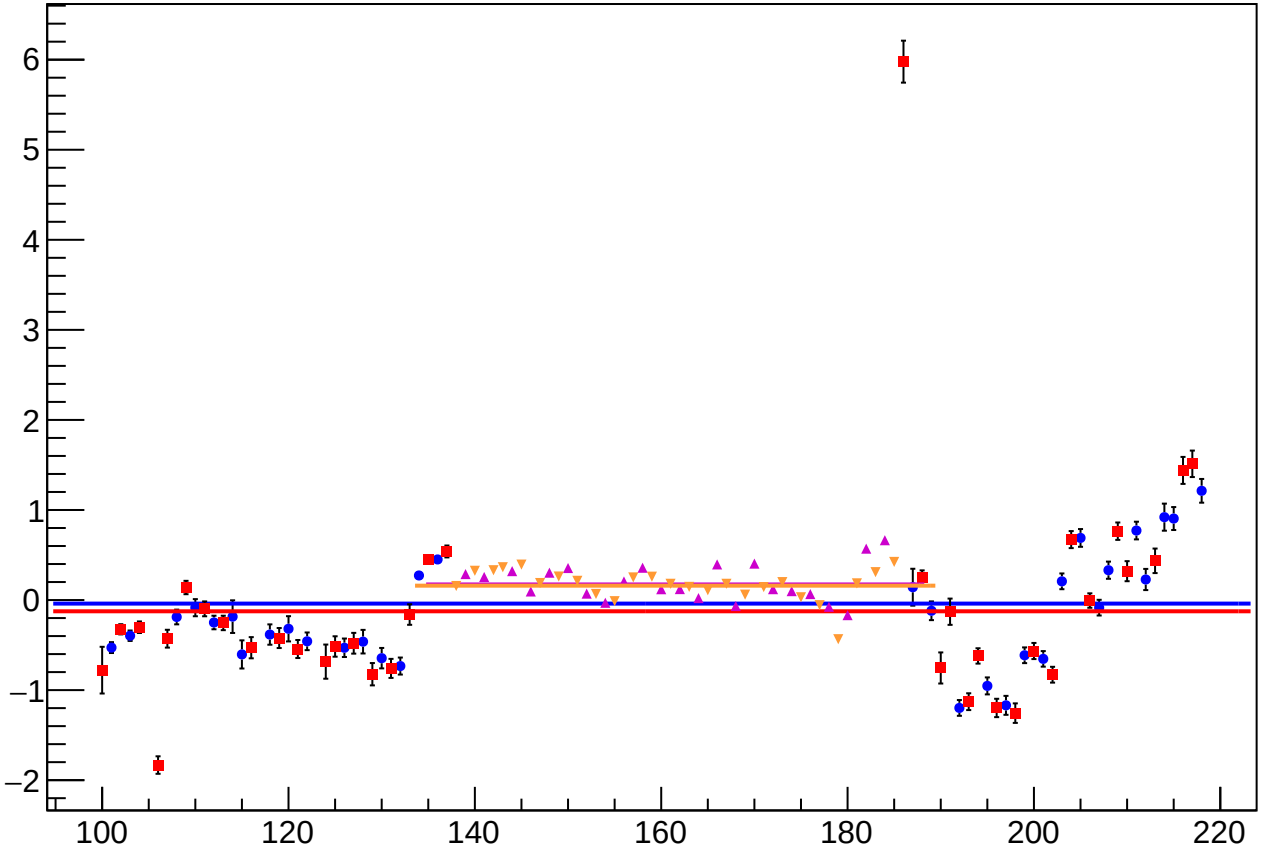
Right: 25.582+/-0.206 χ^2/NDF: 8021.5/67

In: 32.002+/-0.092 χ^2/NDF:6261.1/54

Out: 31.753+/-0.090 χ^2/NDF:7741.6/60

All: 31.876+/-0.064 χ^2/NDF: 14006.4/115

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.039+/-0.014 χ^2/NDF: 1407.3/31

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.125+/-0.015 χ^2/NDF: 2420.7/35

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

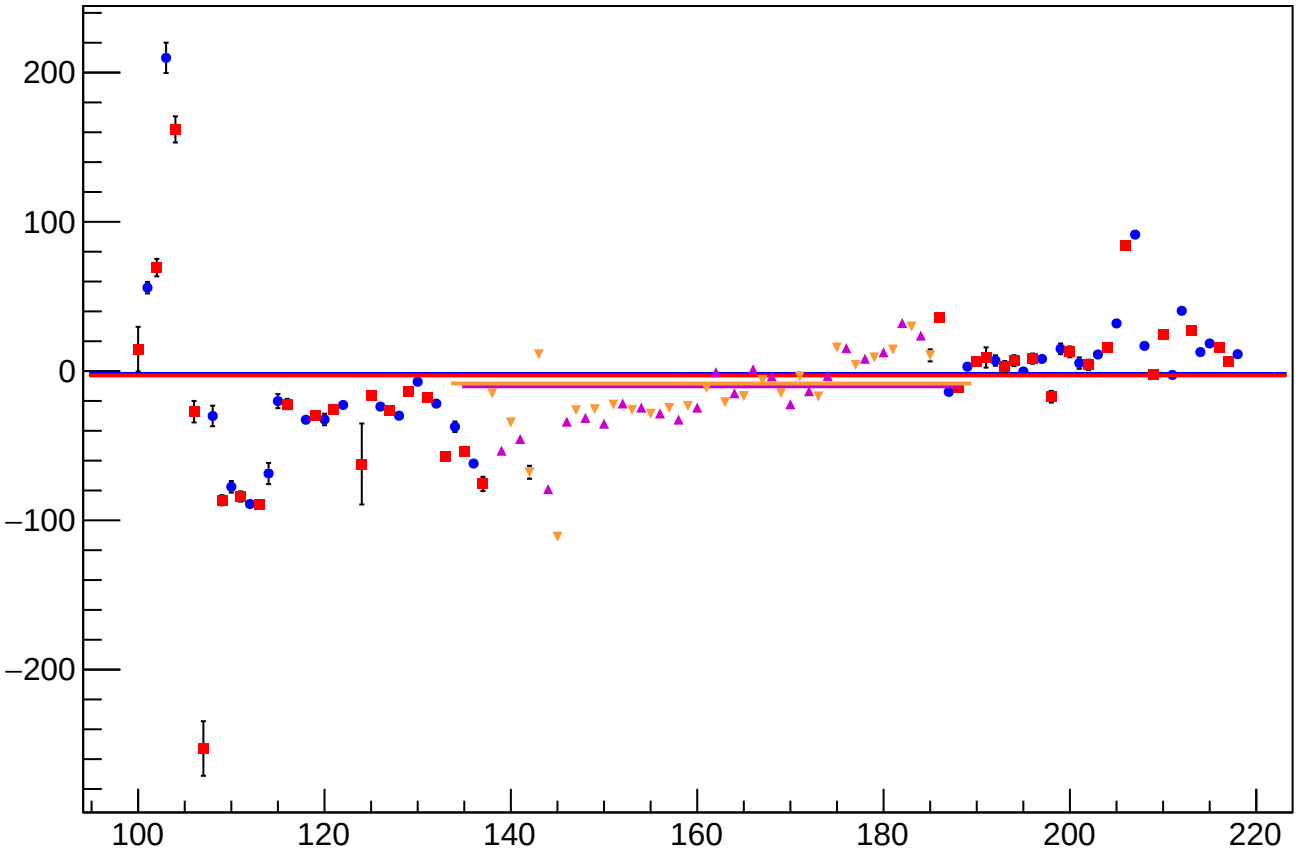
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.080+/-0.010 χ^2/NDF: 3844.7/67

In: 0.155+/-0.004 χ^2/NDF:3738.4/54

Out: 0.139+/-0.004 χ^2/NDF:4360.8/60

All: 0.147+/-0.003 χ^2/NDF: 8107.1/115



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: -2.892+/-0.477 χ^2/NDF: 5942.1/35

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

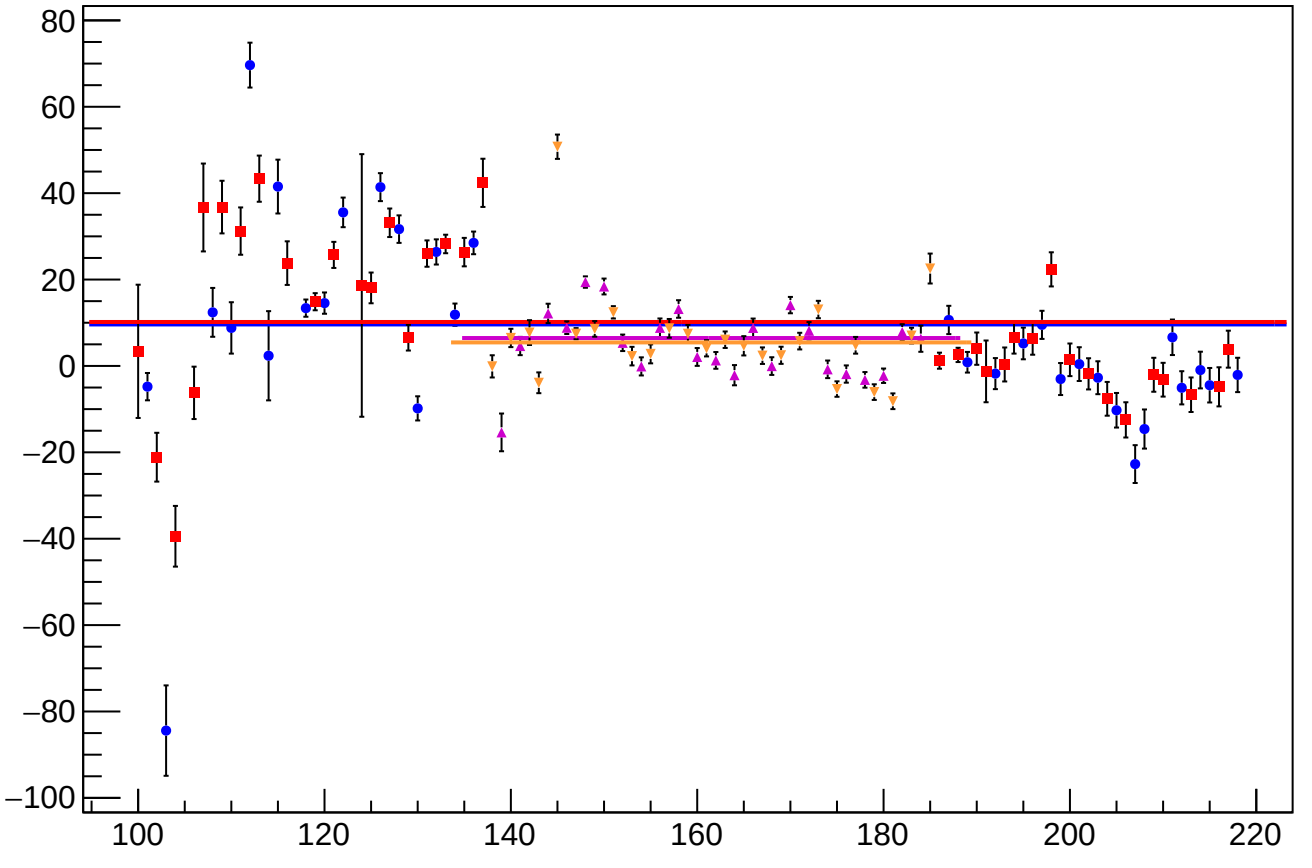
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -2.436+/-0.346 χ^2/NDF: 11019.4/67

In: -5.859+/-0.363 χ^2/NDF:7722.6/54

Out: -5.394+/-0.349 χ^2/NDF:8561.2/60

All: -5.617+/-0.252 χ^2/NDF: 16284.6/115



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: 10.178+/-0.586 χ^2/NDF: 604.6/35

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

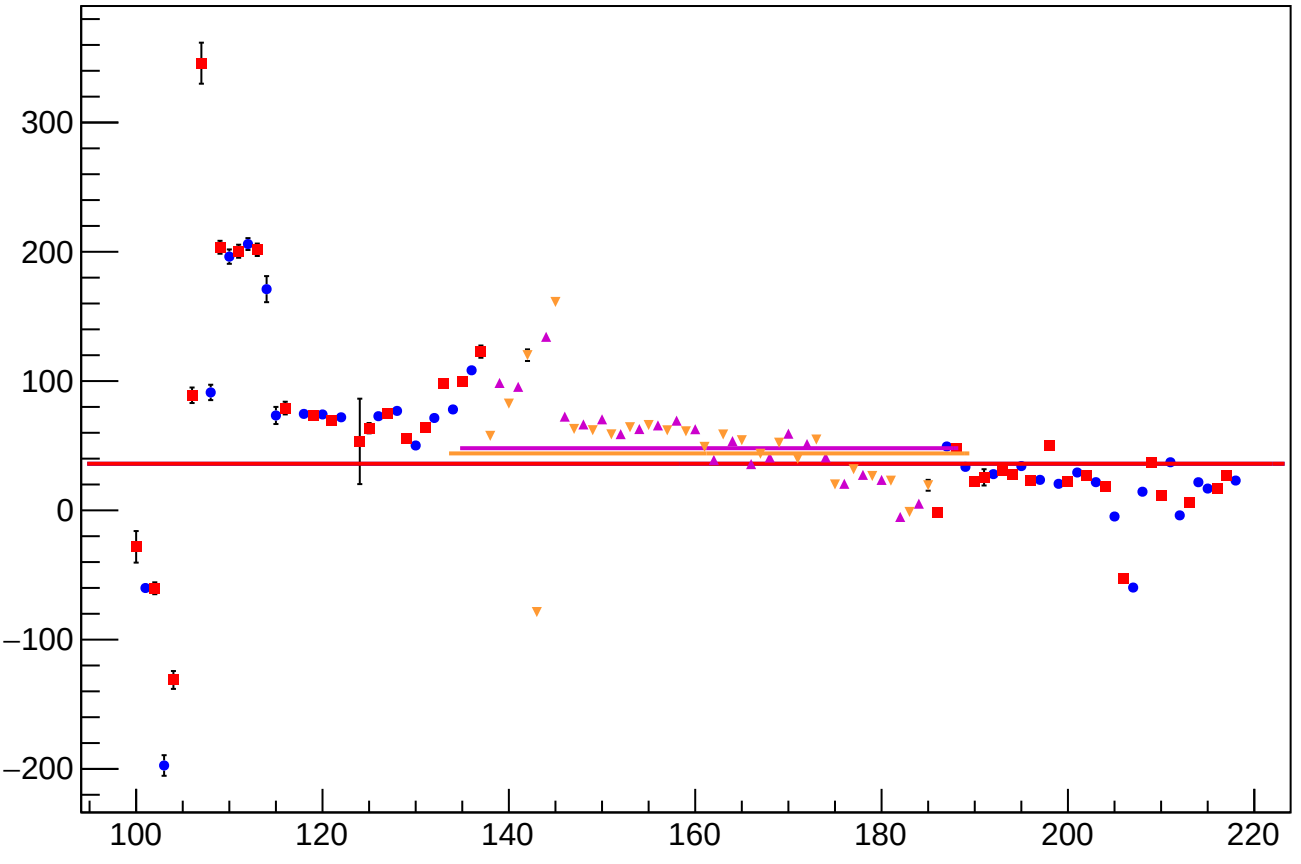
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 9.904+/-0.423 χ^2/NDF: 1413.1/67

In: 7.429+/-0.339 χ^2/NDF:1162.2/54

Out: 6.918+/-0.327 χ^2/NDF:1143.3/60

All: 7.164+/-0.235 χ^2/NDF: 2306.7/115



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: 36.078+/-0.460 χ^2/NDF: 9389.6/35

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

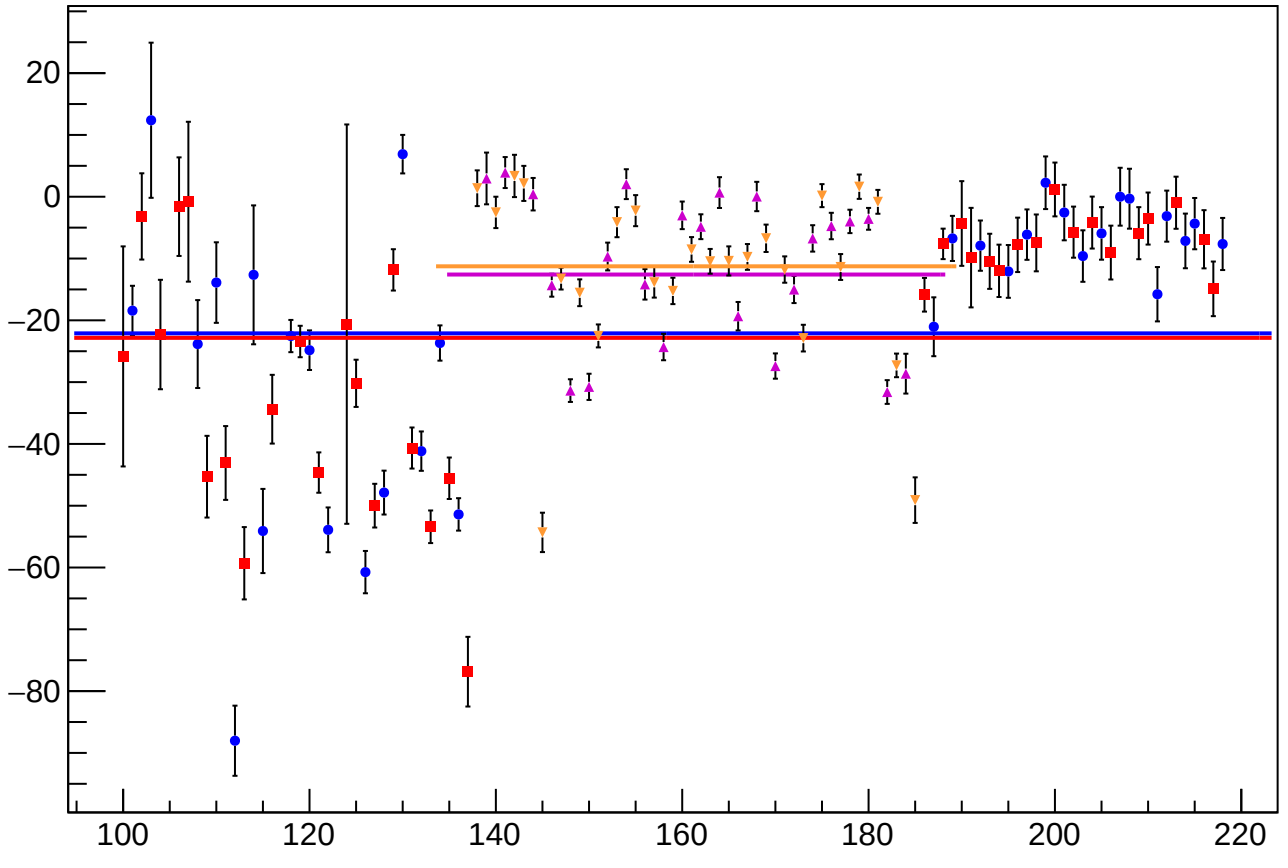
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 36.047+/-0.340 χ^2/NDF: 17764.9/67

In: 41.841+/-0.362 χ^2/NDF:12028.8/54

Out: 39.647+/-0.341 χ^2/NDF:14087.9/60

All: 40.679+/-0.248 χ^2/NDF: 26136.1/115



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: -22.834+/-0.700 χ^2/NDF: 750.6/35

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

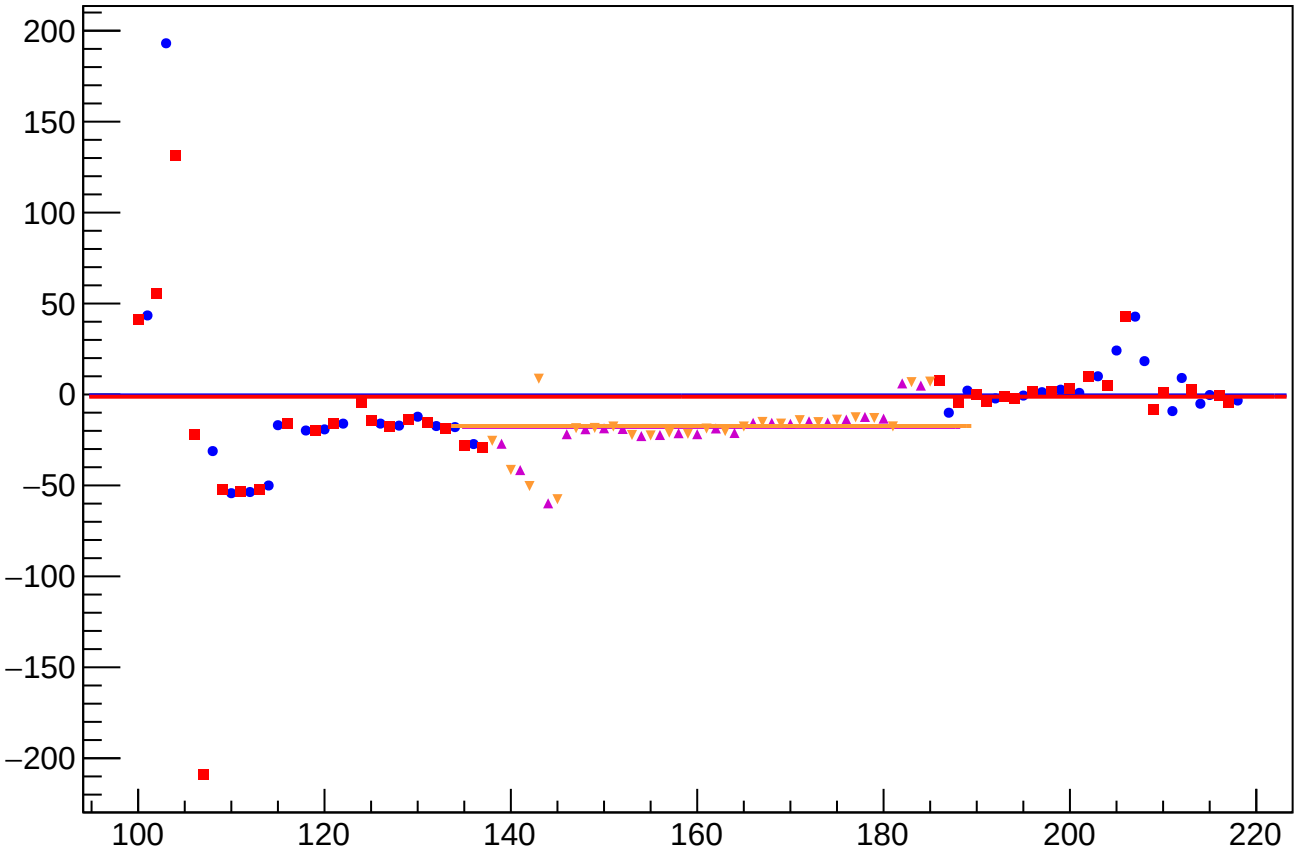
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -22.475+/-0.497 χ^2/NDF: 1656.8/67

In: -15.413+/-0.385 χ^2/NDF:1705.2/54

Out: -14.587+/-0.376 χ^2/NDF:1588.5/60

All: -14.990+/-0.269 χ^2/NDF: 3296.0/115



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: -1.216+/-0.033 χ^2/NDF: 571817.1/35

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

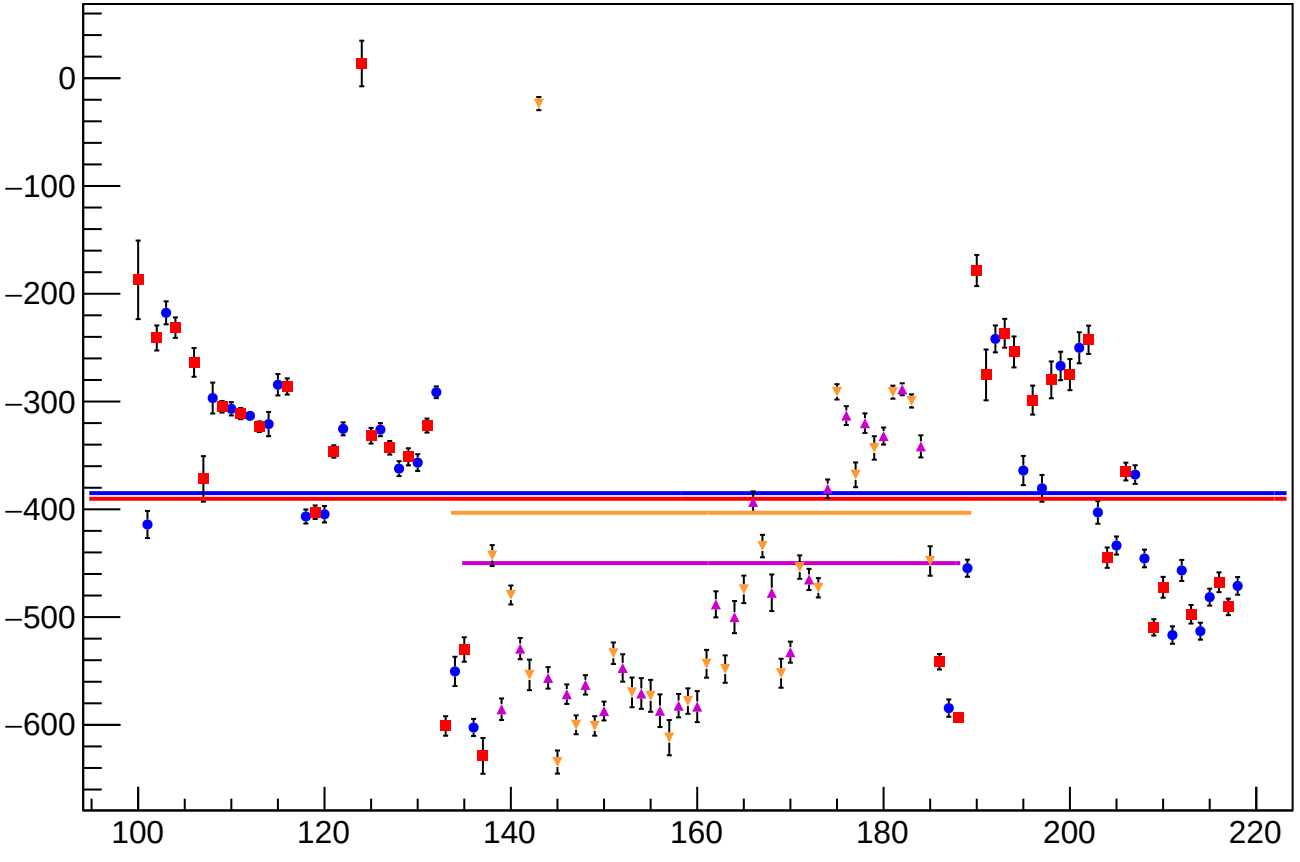
Right: -0.863+/-0.024 χ^2/NDF: 1220256.7/67

In: -13.168+/-0.017 χ^2/NDF:1111827.0/54

Out: -13.024+/-0.017 χ^2/NDF:1093659.3/60

All: -13.095+/-0.012 χ^2/NDF: 2205520.9/115

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: -390.219+/-1.374 χ^2/NDF: 7177.2/35

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

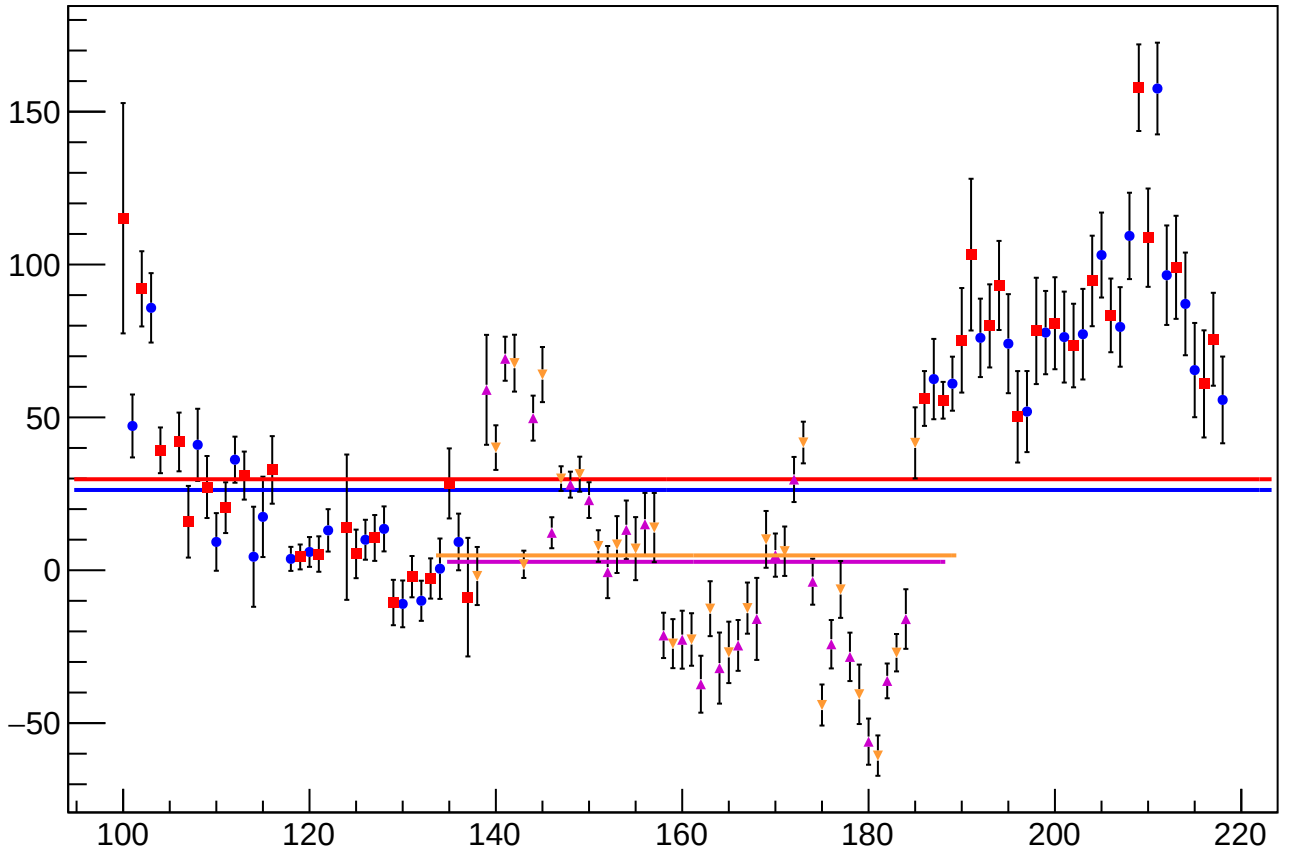
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -387.726+/-0.993 χ^2/NDF: 11366.7/67

In: -406.478+/-1.175 χ^2/NDF:8076.9/54

Out: -394.591+/-1.119 χ^2/NDF:14957.5/60

All: -400.242+/-0.810 χ^2/NDF: 23088.1/115



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: 29.769+/-1.591 χ^2/NDF: 471.0/35

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

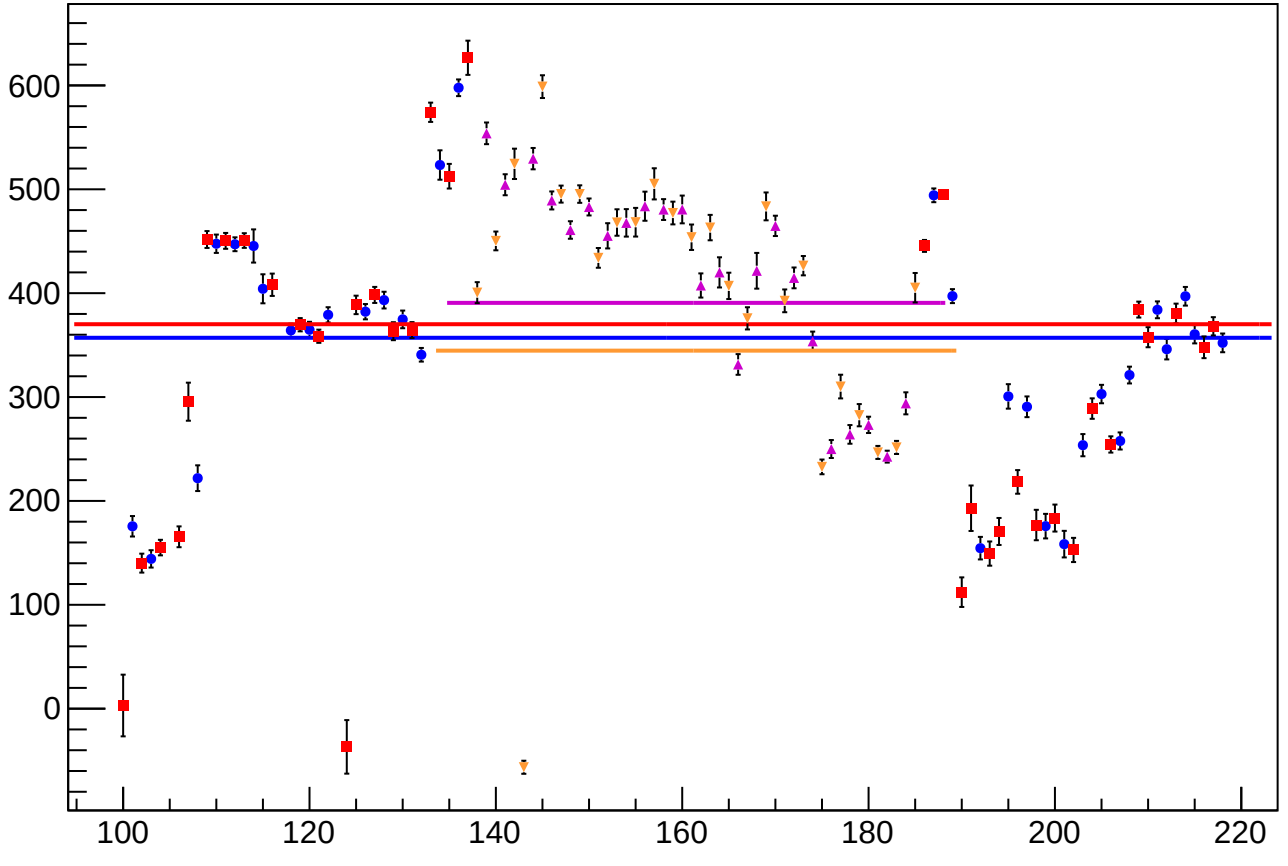
Right: 28.048+/-1.136 χ^2/NDF: 930.4/67

In: 14.008+/-1.122 χ^2/NDF:966.1/54

Out: 16.135+/-1.070 χ^2/NDF:1062.4/60

All: 15.122+/-0.775 χ^2/NDF: 2030.4/115

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 370.118+/-1.435 χ^2/NDF: 7219.0/35

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

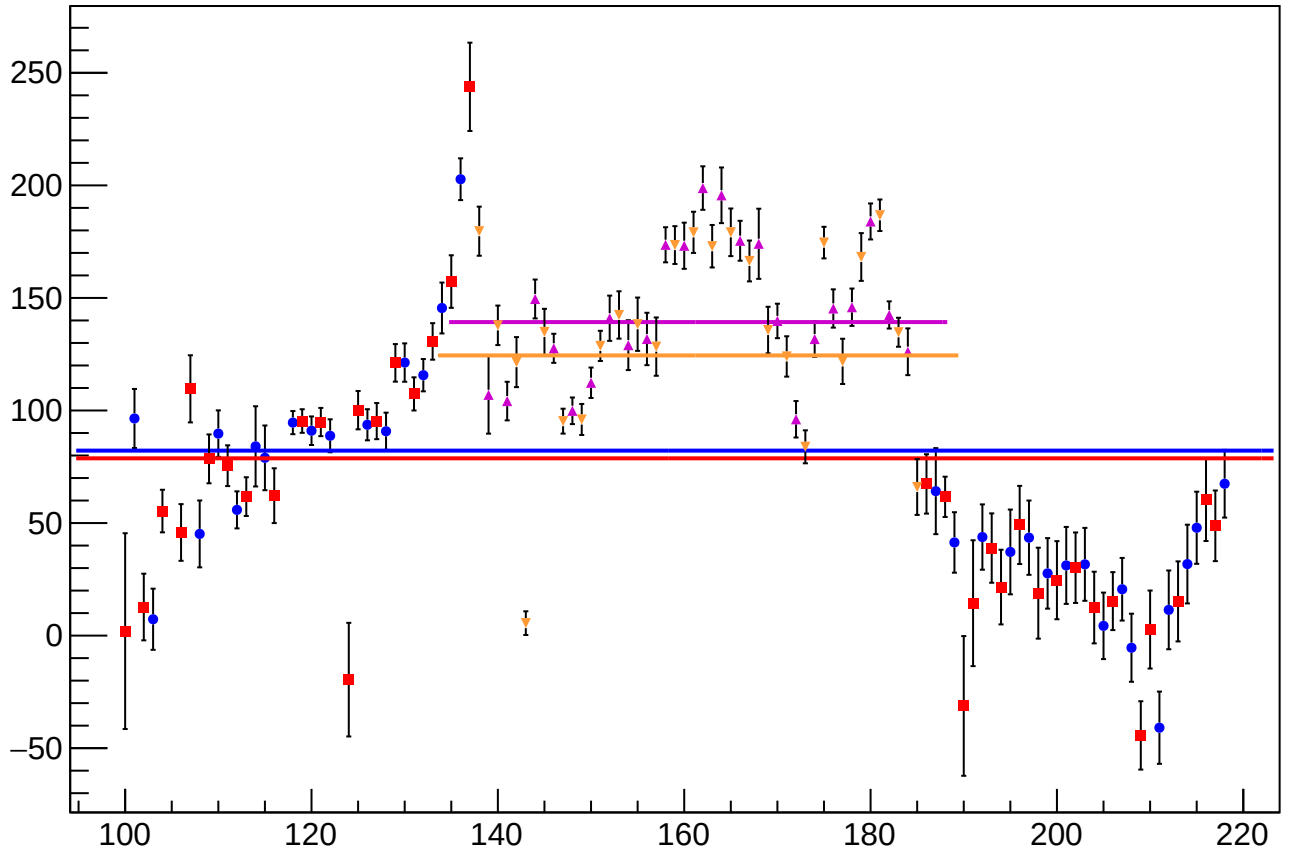
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 364.022+/-1.048 χ^2/NDF: 11468.0/67

In: 369.280+/-1.224 χ^2/NDF:7057.7/54

Out: 361.026+/-1.150 χ^2/NDF:14609.5/60

All: 364.897+/-0.838 χ^2/NDF: 21691.4/115



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: 78.749+/-1.863 χ^2/NDF: 502.5/35

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

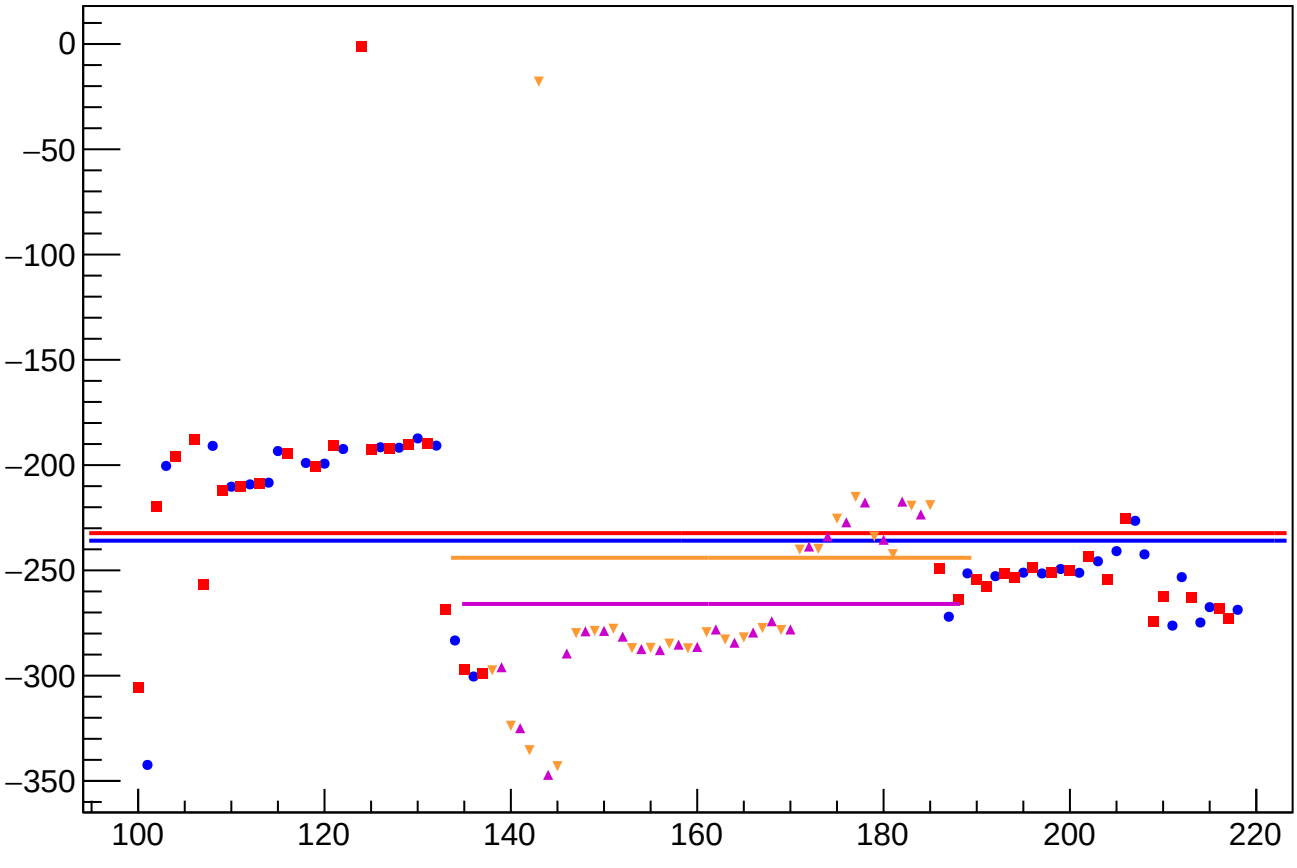
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 80.441+/-1.325 χ^2/NDF: 1037.3/67

In: 112.540+/-1.290 χ^2/NDF:1281.6/54

Out: 104.207+/-1.240 χ^2/NDF:1775.5/60

All: 108.208+/-0.894 χ^2/NDF: 3078.7/115



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: -232.315+/-0.099 χ^2/NDF: 121210.1/35

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

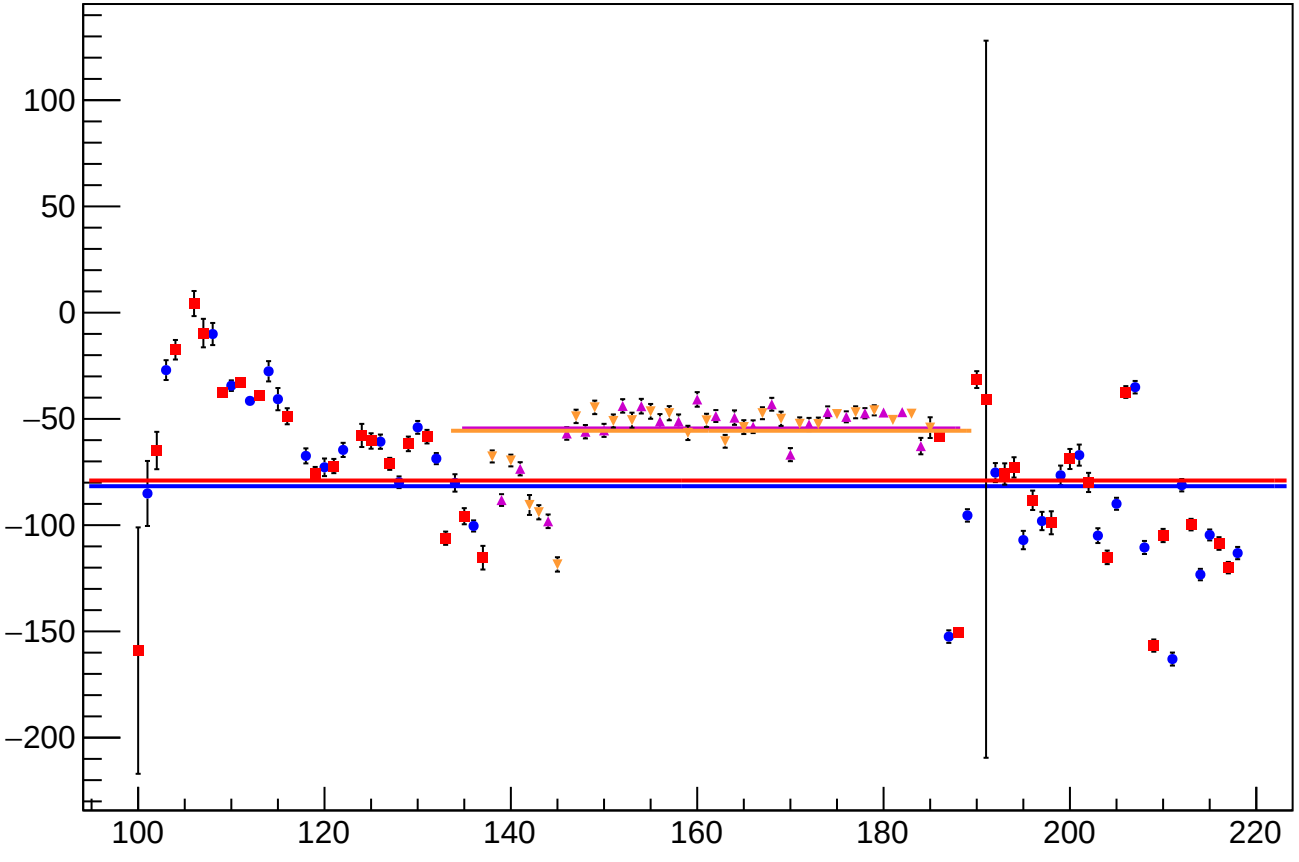
Right: -234.048+/-0.071 χ^2/NDF: 266492.5/67

In: -254.500+/-0.063 χ^2/NDF:367668.6/54

Out: -239.608+/-0.061 χ^2/NDF:1127807.9/60

All: -246.778+/-0.044 χ^2/NDF: 1524138.1/11

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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: -78.993+/-0.541 χ^2/NDF: 5490.8/35

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

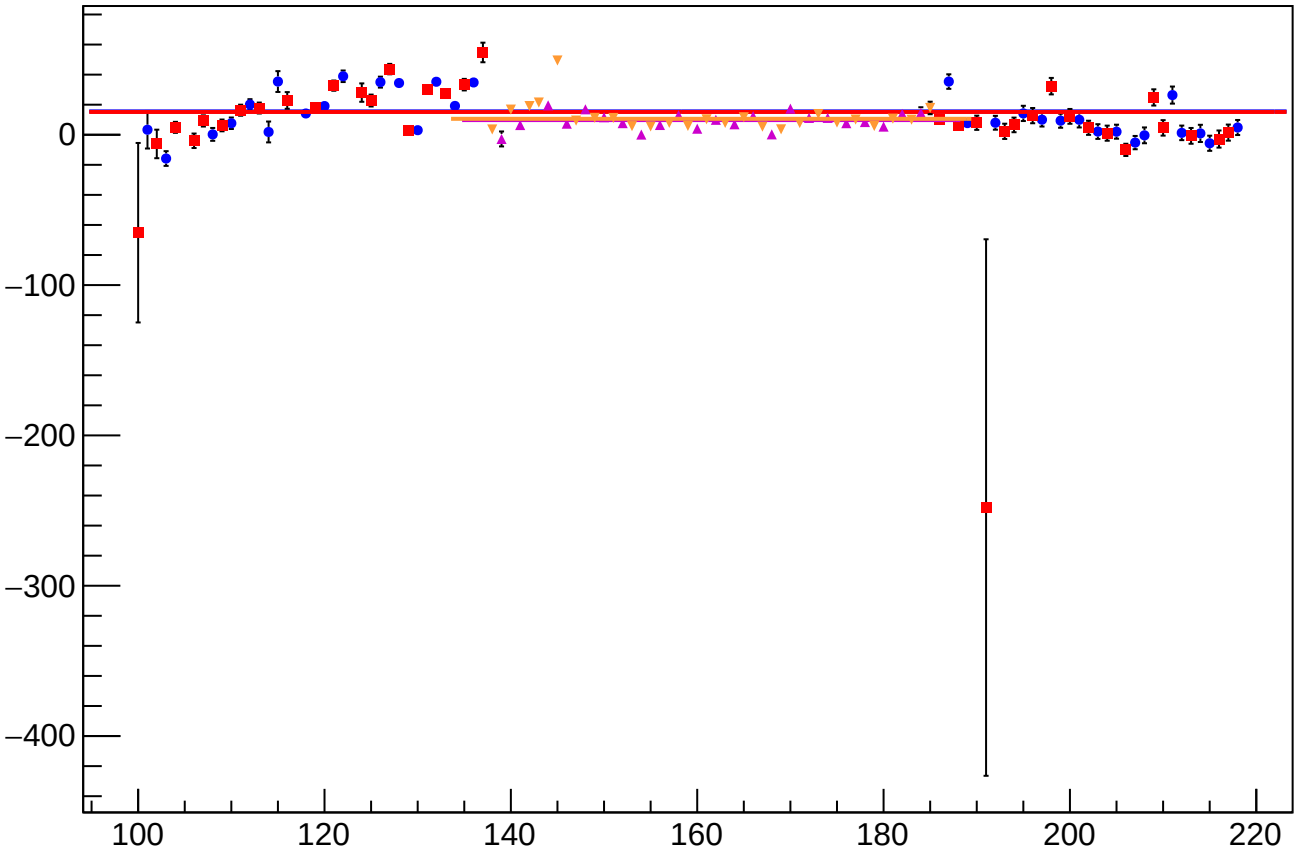
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -80.245+/-0.395 χ^2/NDF: 9163.2/67

In: -68.728+/-0.418 χ^2/NDF:5213.4/54

Out: -68.294+/-0.399 χ^2/NDF:7032.8/60

All: -68.501+/-0.289 χ^2/NDF: 12246.8/115



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: 15.165+/-0.653 χ^2/NDF: 395.6/35

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

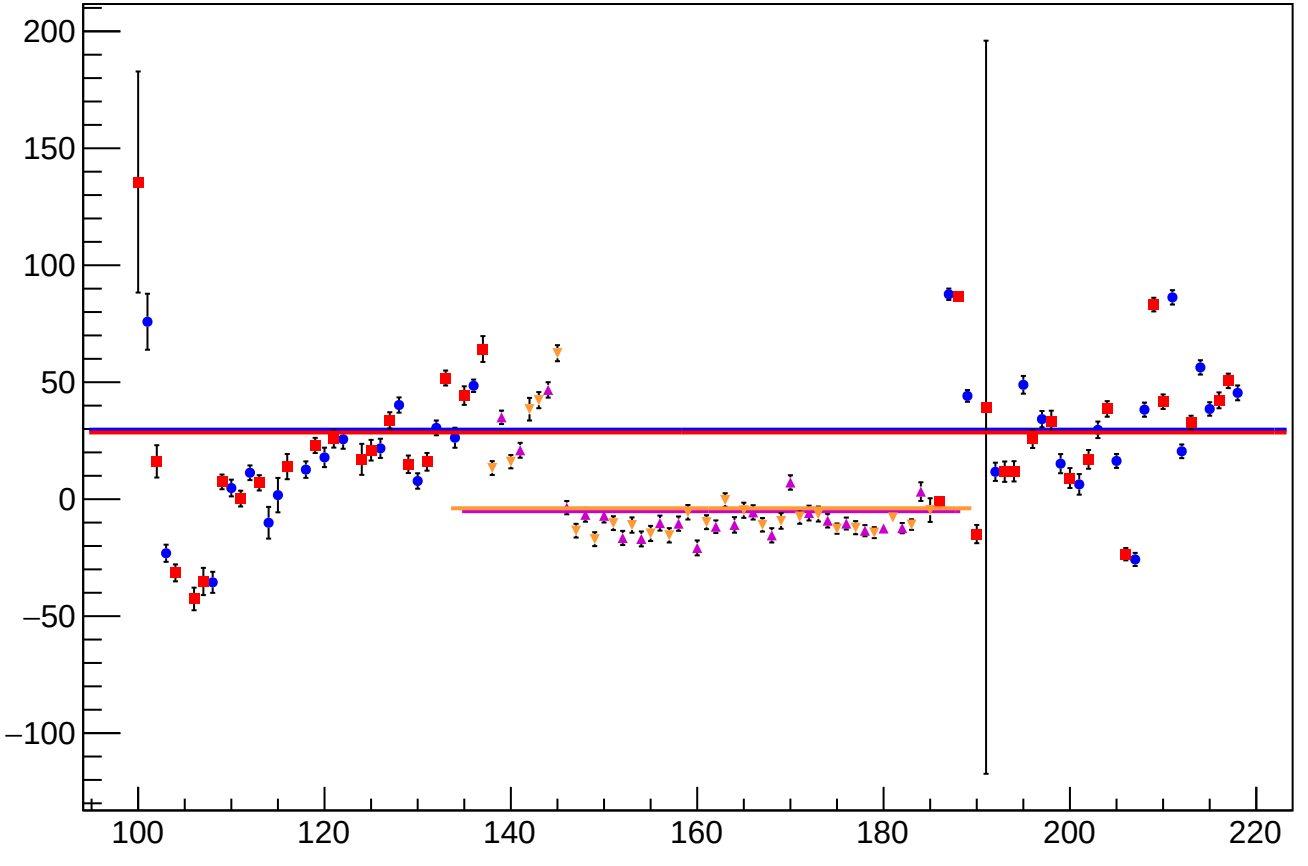
Right: 15.340+/-0.478 χ^2/NDF: 786.6/67

In: 11.545+/-0.388 χ^2/NDF:559.1/54

Out: 12.068+/-0.370 χ^2/NDF:683.8/60

All: 11.819+/-0.268 χ^2/NDF: 1243.8/115

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 28.521+/-0.549 χ^2/NDF: 4152.3/35

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

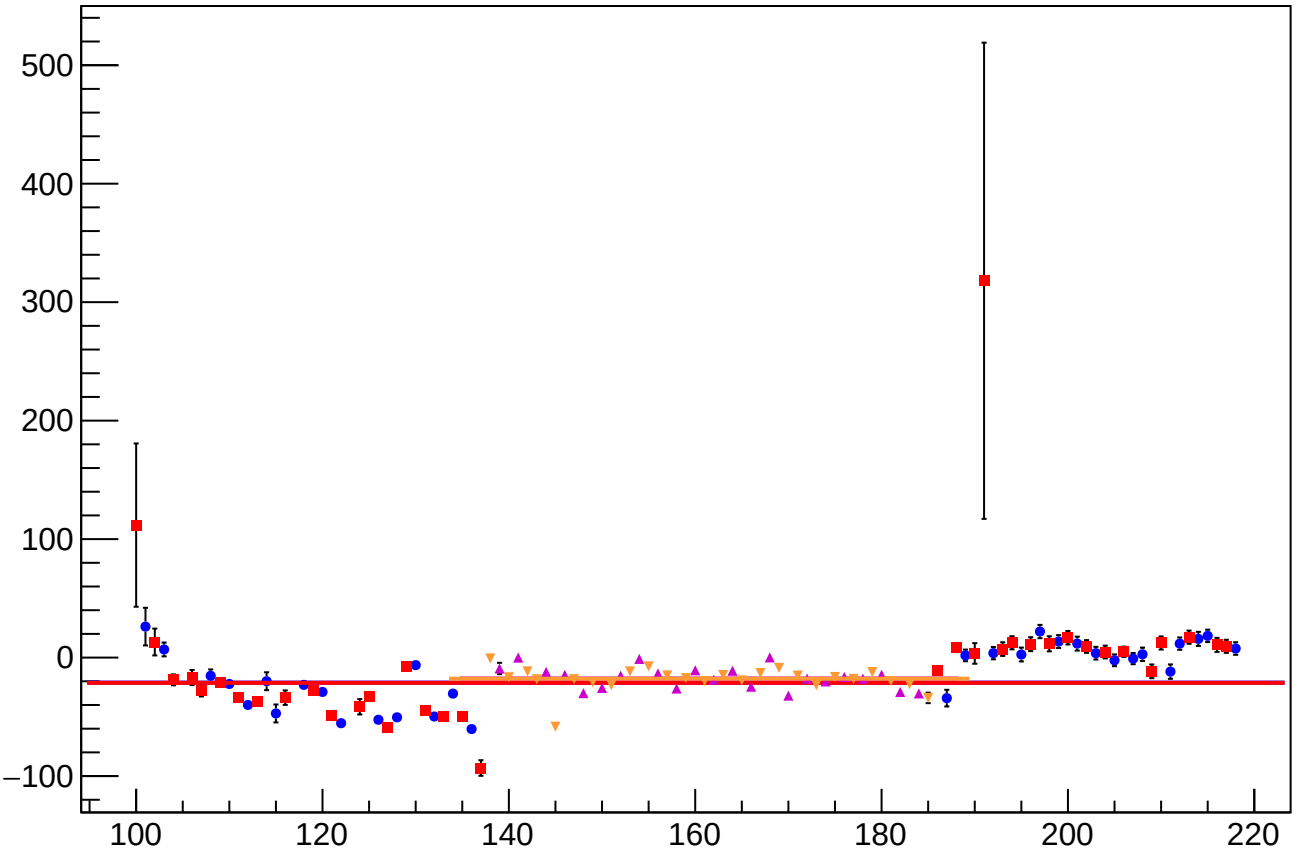
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 29.062+/-0.407 χ^2/NDF: 6431.5/67

In: 12.132+/-0.426 χ^2/NDF:4599.1/54

Out: 13.343+/-0.400 χ^2/NDF:6635.0/60

All: 12.775+/-0.292 χ^2/NDF: 11238.4/115



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: -21.298+/-0.772 χ^2/NDF: 1057.8/35

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

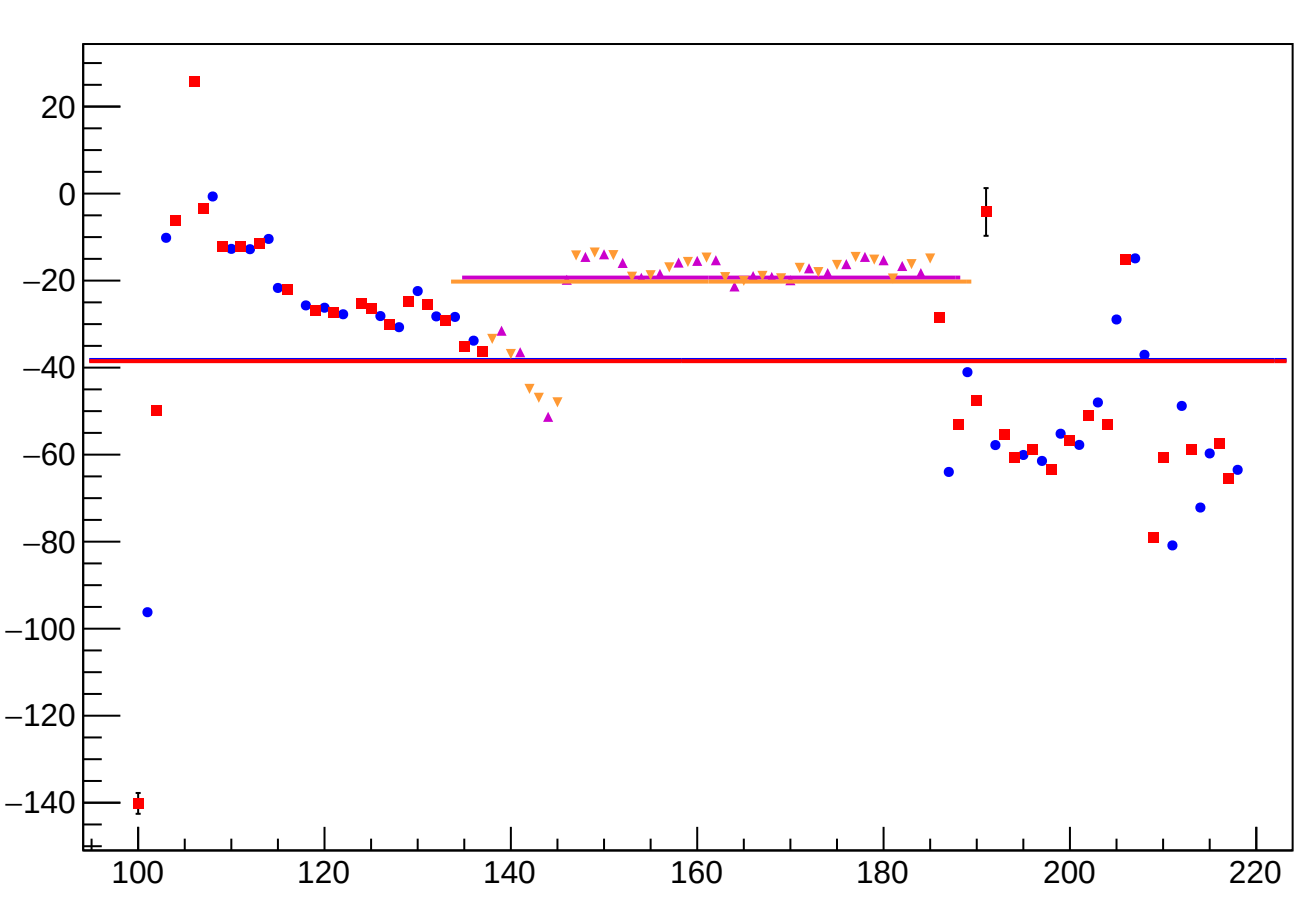
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -21.211+/-0.556 χ^2/NDF: 2033.0/67

In: -18.690+/-0.440 χ^2/NDF:1274.2/54

Out: -18.843+/-0.425 χ^2/NDF:1323.8/60

All: -18.769+/-0.306 χ^2/NDF: 2598.1/115



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: -38.512+/-0.039 χ^2/NDF: 341342.1/35

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

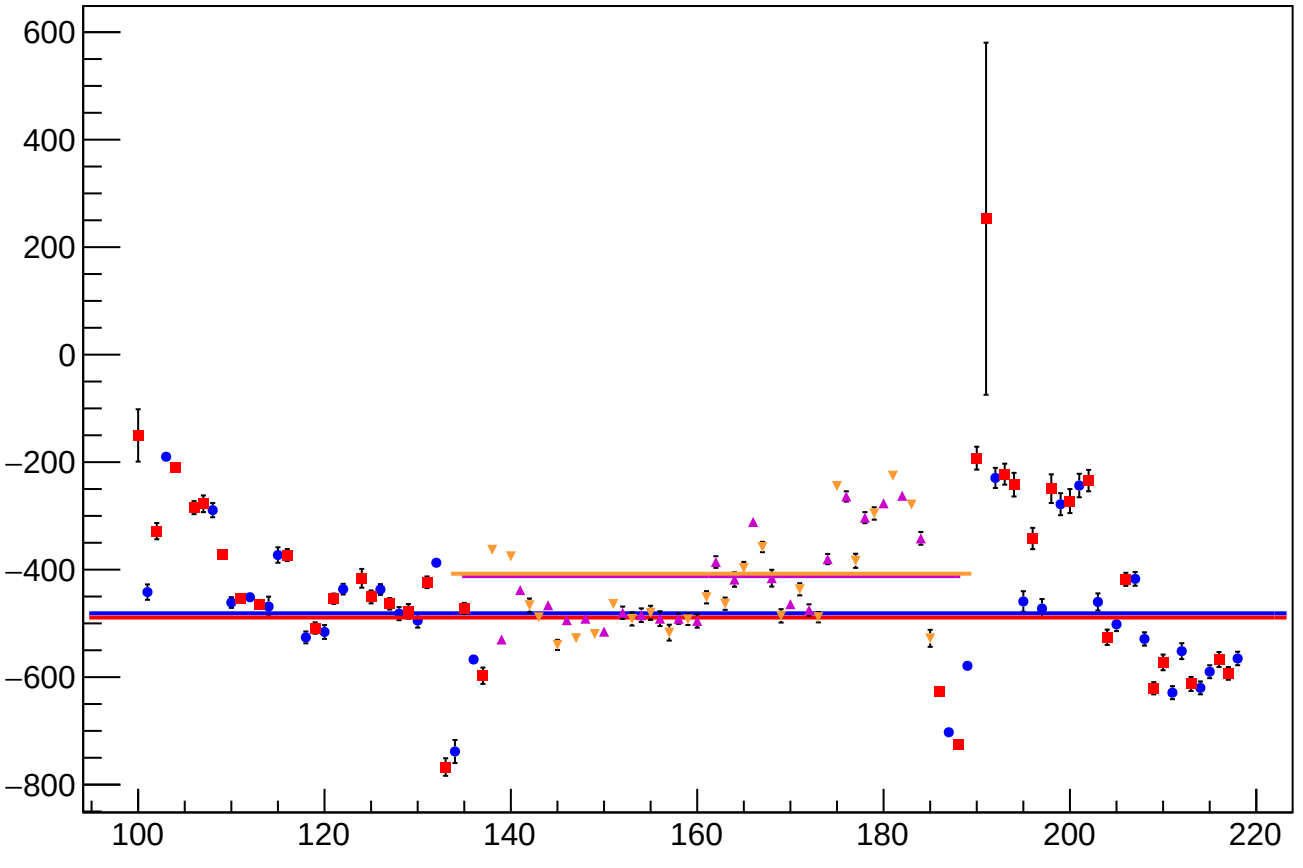
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

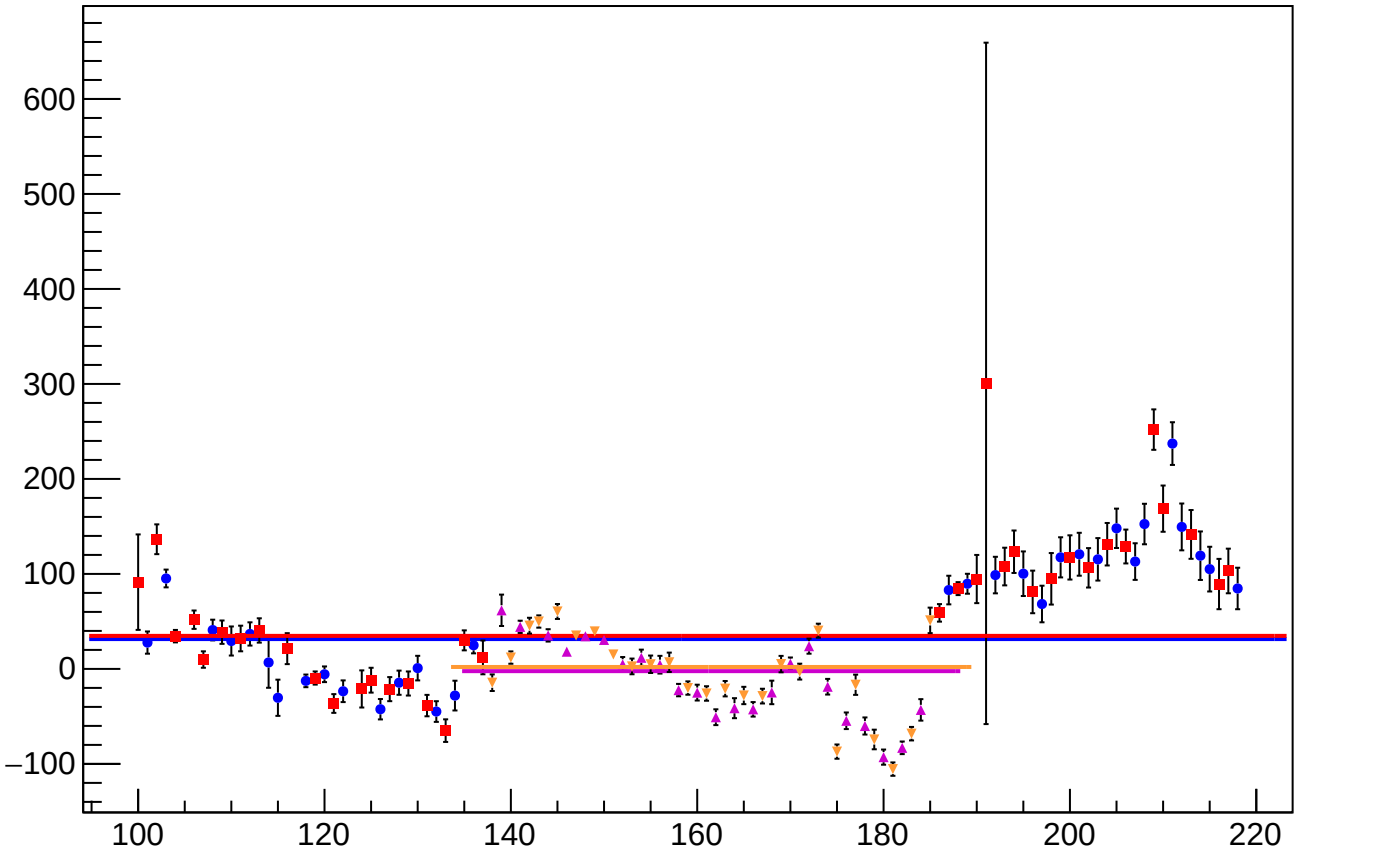
Right: -38.378+/-0.027 χ^2/NDF: 607214.0/67

In: -24.292+/-0.020 χ^2/NDF:533195.5/54

Out: -24.976+/-0.020 χ^2/NDF:654902.8/60

All: -24.639+/-0.014 χ^2/NDF: 1188692.6/115


reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
220
Right In: -481.234+/-2.087 χ²/NDF: 3352.2/31
Left Out: -407.554+/-1.951 χ²/NDF:2872.6/24
Right Out: -489.118+/-1.912 χ²/NDF: 6520.8/35
Left In: -412.102+/-2.008 χ²/NDF:2182.3/22
Left: -409.762+/-1.399 χ²/NDF: 5057.5/47
Right: -485.520+/-1.410 χ²/NDF: 9880.8/67
In: -445.345+/-1.447 χ²/NDF:6104.3/54
Out: -449.157+/-1.366 χ²/NDF:10284.8/60
All: -447.361+/-0.993 χ²/NDF: 16392.8/115



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: 34.778+/-2.163 χ^2/NDF: 659.7/35

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

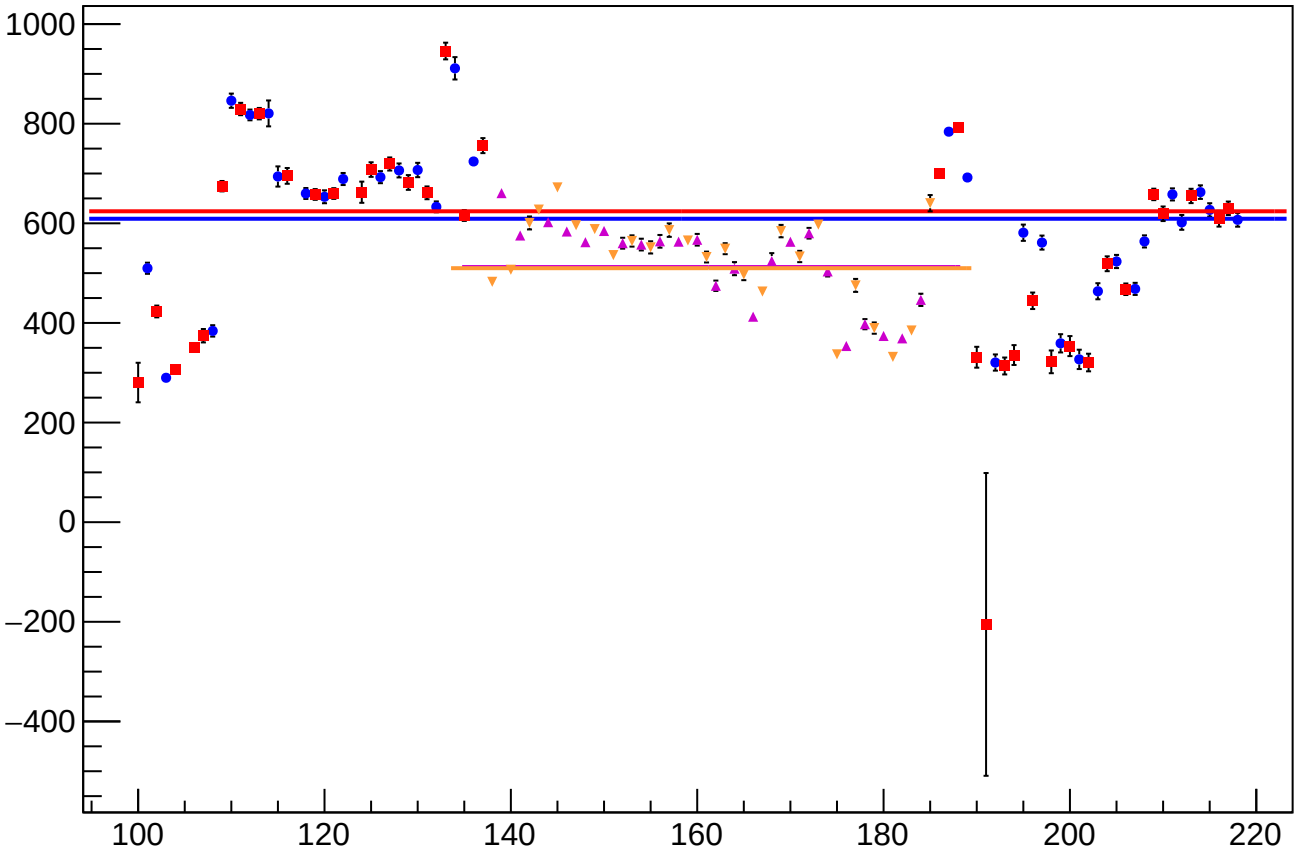
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 33.249+/-1.599 χ^2/NDF: 1266.5/67

In: 7.115+/-1.257 χ^2/NDF:1484.8/54

Out: 11.953+/-1.191 χ^2/NDF:1730.1/60

All: 9.666+/-0.864 χ^2/NDF: 3222.7/115



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: 624.158+/-1.885 χ^2/NDF: 8821.4/35

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

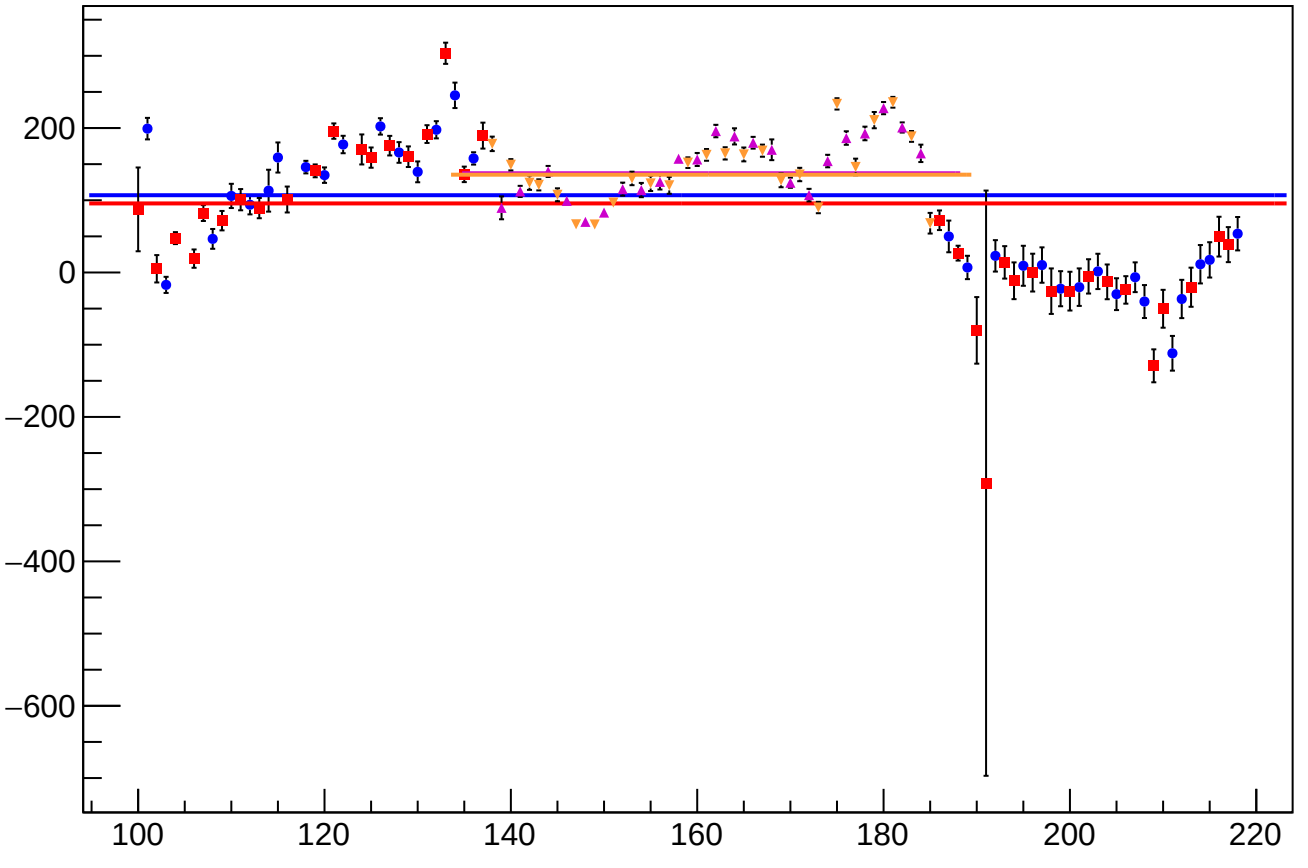
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 617.546+/-1.410 χ^2/NDF: 14411.8/67

In: 557.442+/-1.449 χ^2/NDF:8762.2/54

Out: 568.542+/-1.351 χ^2/NDF:13271.8/60

All: 563.384+/-0.988 χ^2/NDF: 22065.4/115



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: 95.615+/-2.587 χ^2/NDF: 979.6/35

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

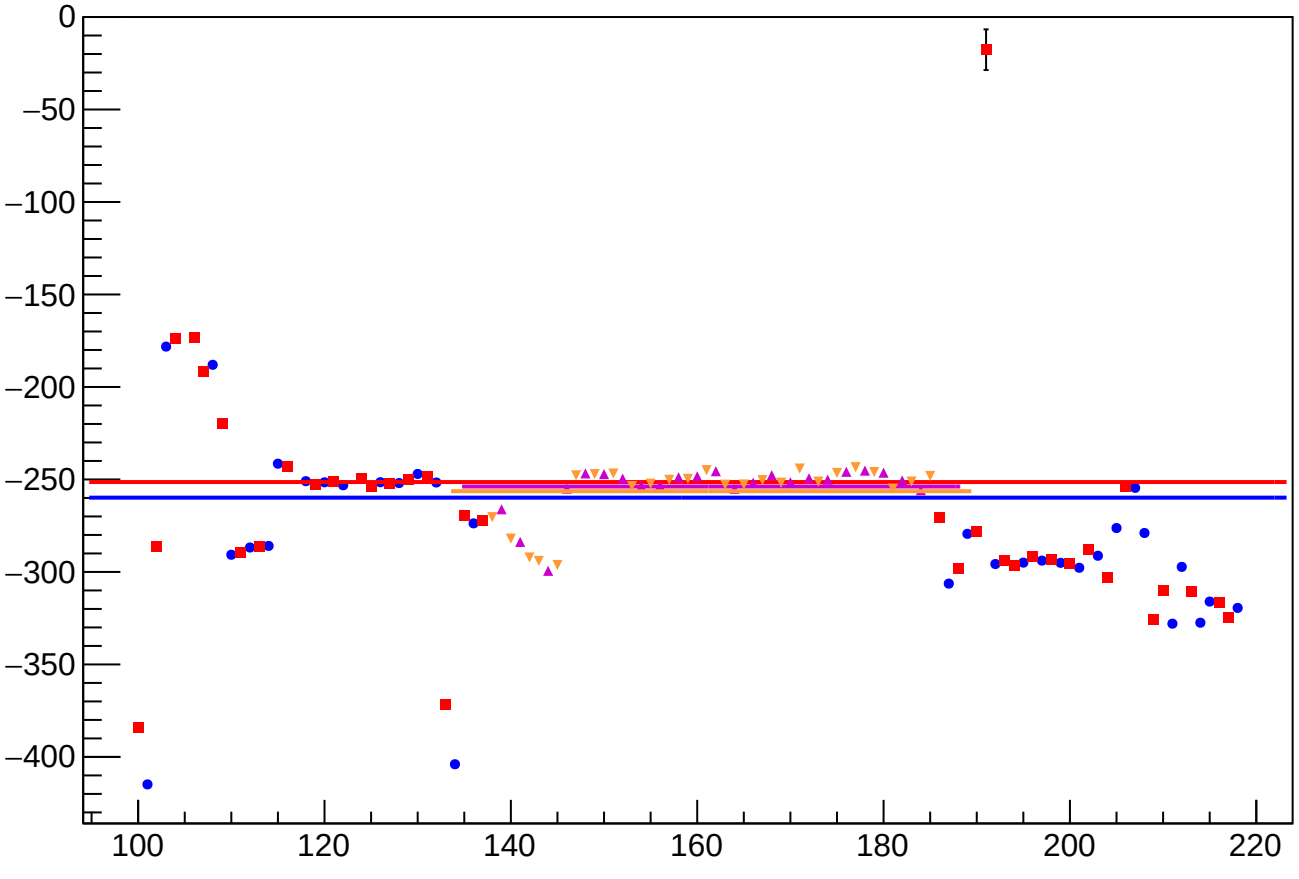
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 100.927+/-1.888 χ^2/NDF: 1899.2/67

In: 129.015+/-1.449 χ^2/NDF:1704.2/54

Out: 123.910+/-1.390 χ^2/NDF:2071.0/60

All: 126.356+/-1.003 χ^2/NDF: 3781.7/115



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: -251.402+/-0.128 χ^2/NDF: 162663.4/35

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

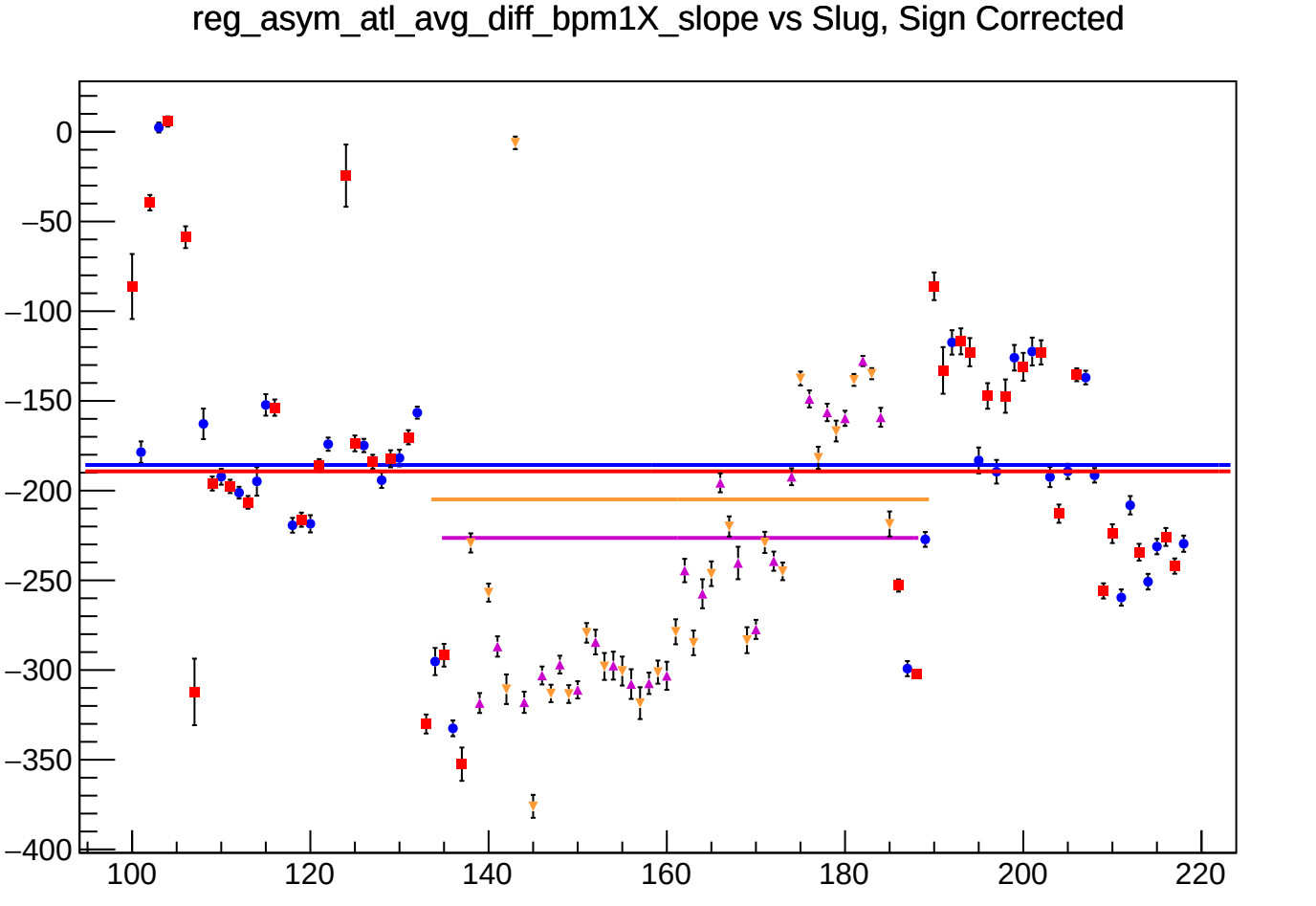
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -255.472+/-0.092 χ^2/NDF: 374658.2/67

In: -255.364+/-0.067 χ^2/NDF:235506.7/54

Out: -255.028+/-0.066 χ^2/NDF:203273.9/60

All: -255.193+/-0.047 χ^2/NDF: 438793.5/115



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: -189.269+/-0.772 χ^2/NDF: 12243.3/35

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

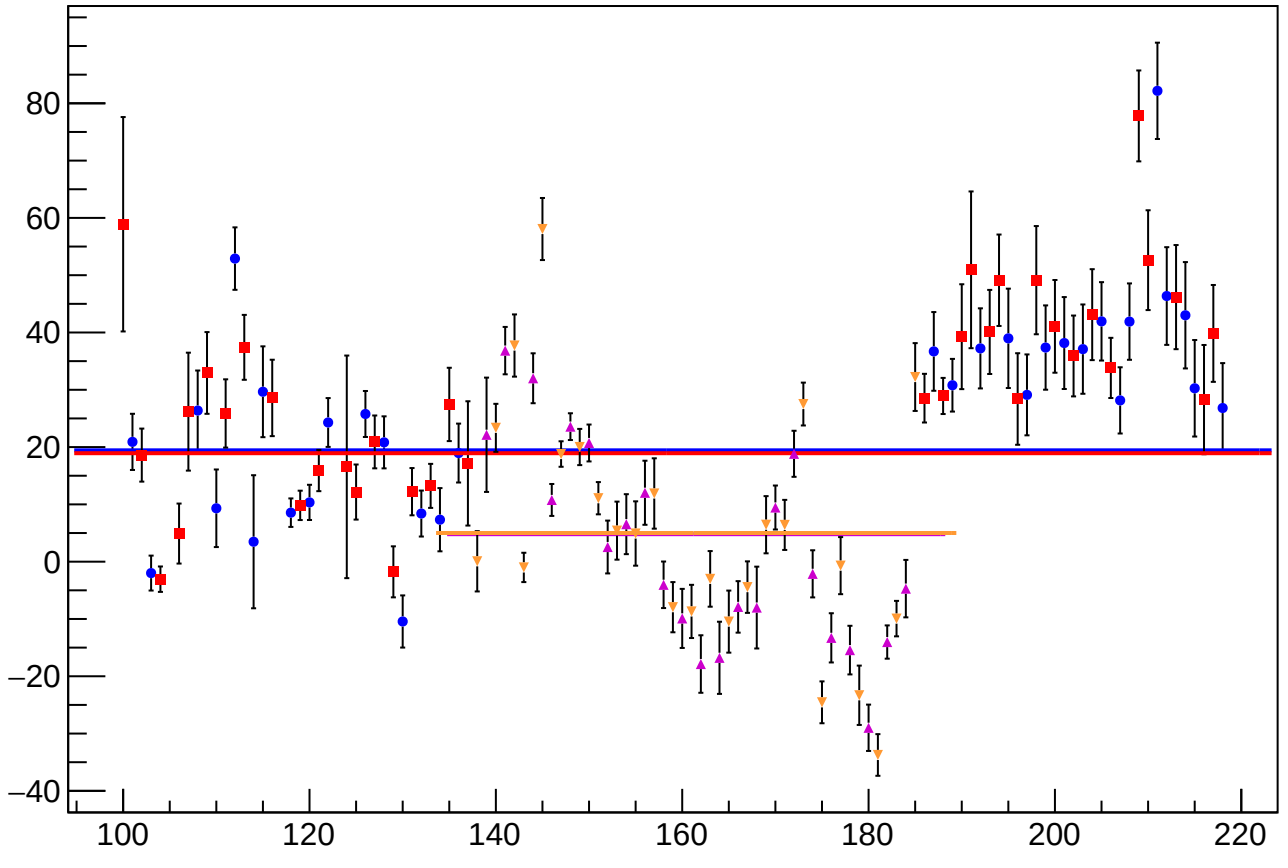
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -187.565+/-0.558 χ^2/NDF: 20361.8/67

In: -199.840+/-0.651 χ^2/NDF:13210.8/54

Out: -194.739+/-0.622 χ^2/NDF:20212.9/60

All: -197.173+/-0.450 χ^2/NDF: 33455.7/115



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: 18.933+/-0.870 χ^2/NDF: 348.8/35

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

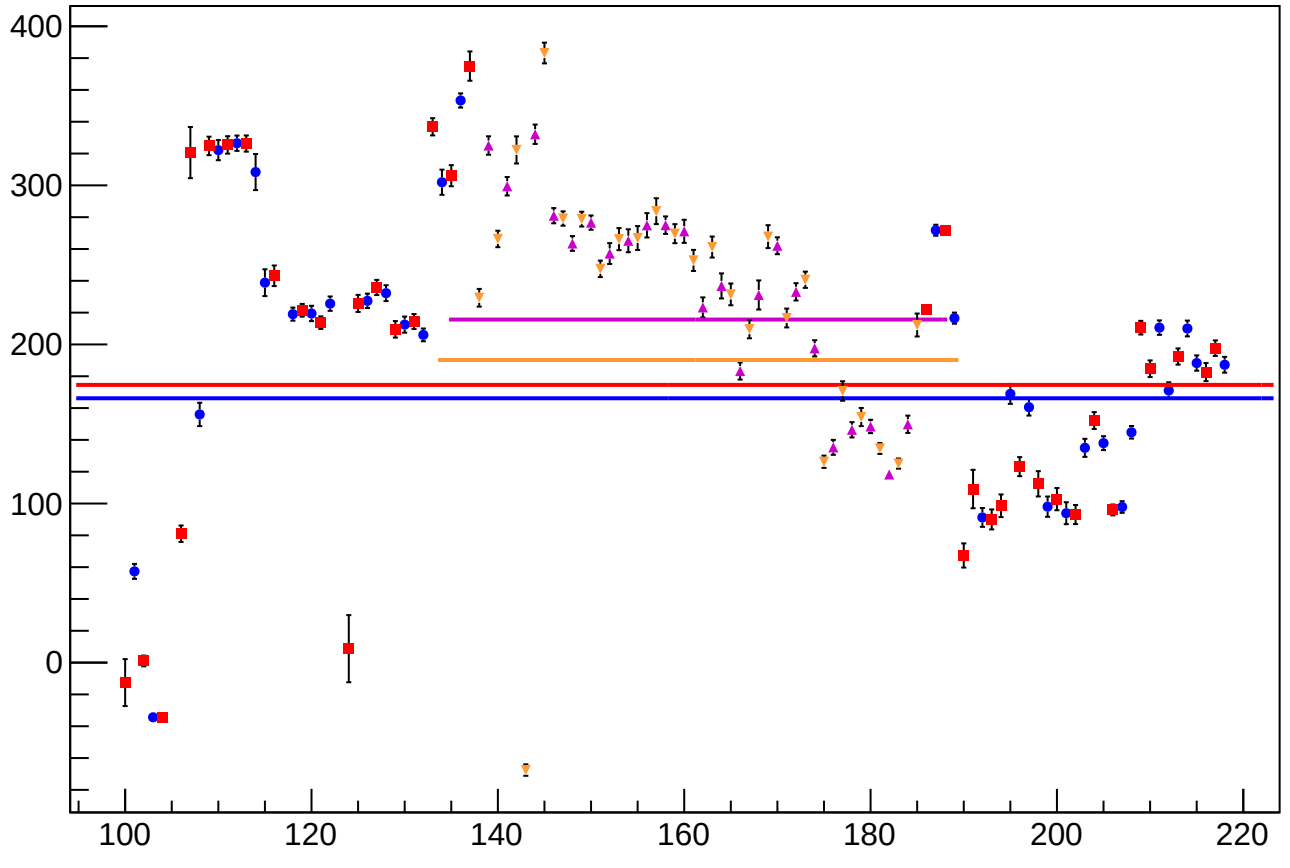
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 19.168+/-0.632 χ^2/NDF: 671.7/67

In: 11.501+/-0.623 χ^2/NDF:885.9/54

Out: 11.327+/-0.586 χ^2/NDF:1037.2/60

All: 11.409+/-0.427 χ^2/NDF: 1923.1/115



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: 174.573+/-0.759 χ^2/NDF: 21489.3/35

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

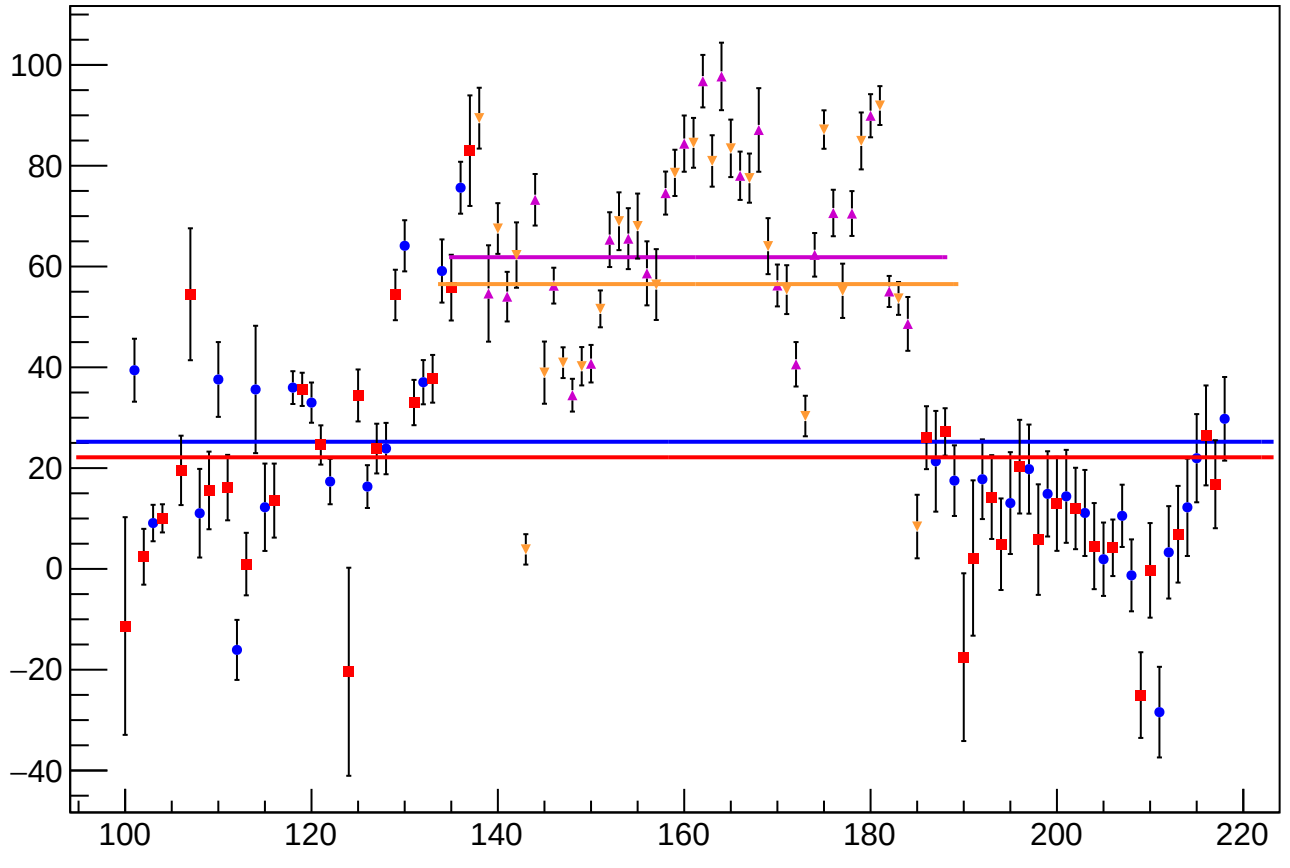
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 170.668+/-0.556 χ^2/NDF: 37707.6/67

In: 183.744+/-0.655 χ^2/NDF:21356.3/54

Out: 179.945+/-0.615 χ^2/NDF:31019.0/60

All: 181.727+/-0.448 χ^2/NDF: 52393.2/115



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: 22.146+/-1.033 χ^2/NDF: 269.7/35

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

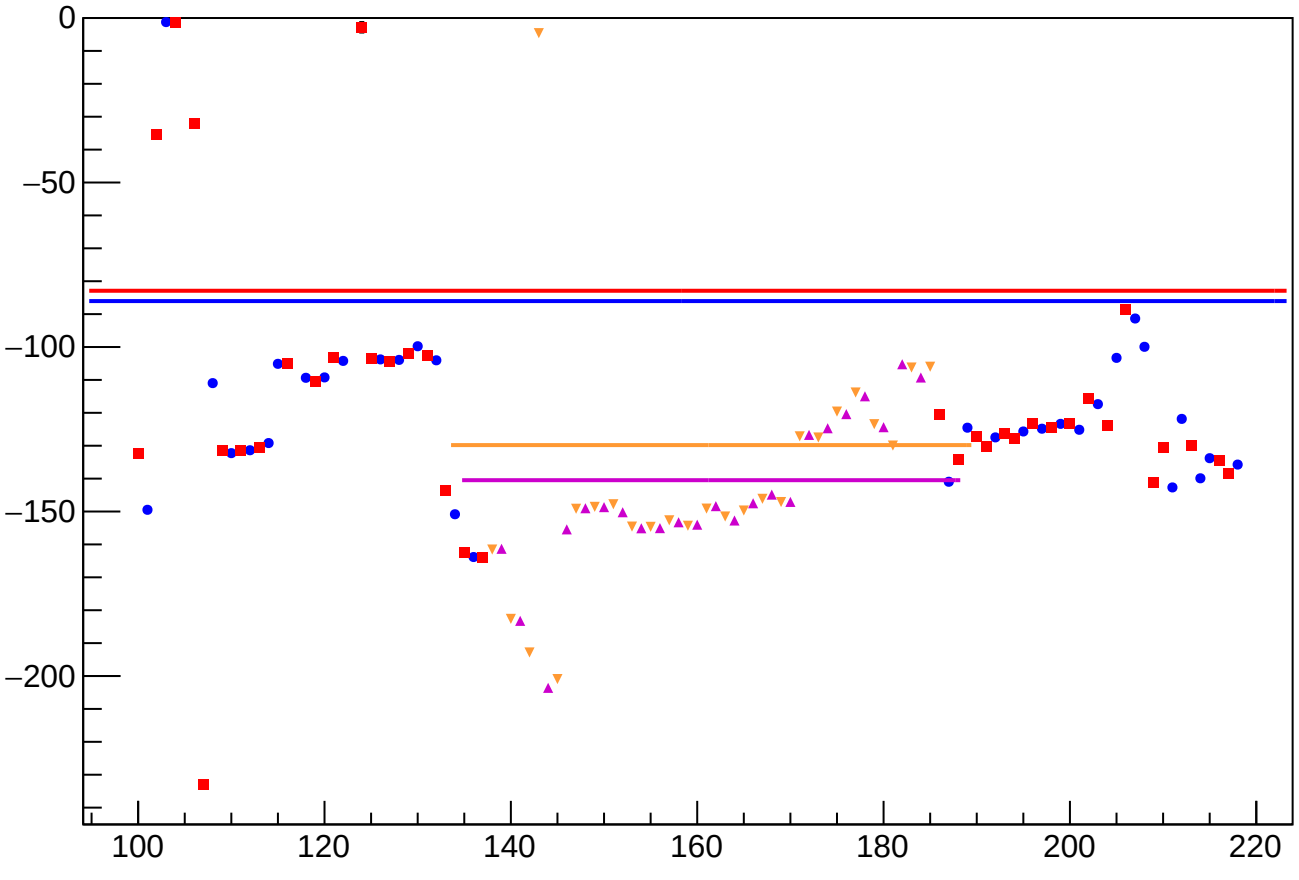
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 23.632+/-0.744 χ^2/NDF: 651.6/67

In: 45.516+/-0.716 χ^2/NDF:1345.4/54

Out: 41.522+/-0.683 χ^2/NDF:1692.1/60

All: 43.425+/-0.494 χ^2/NDF: 3053.9/115



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: -82.900+/-0.048 χ^2/NDF: 1323288.7/35

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

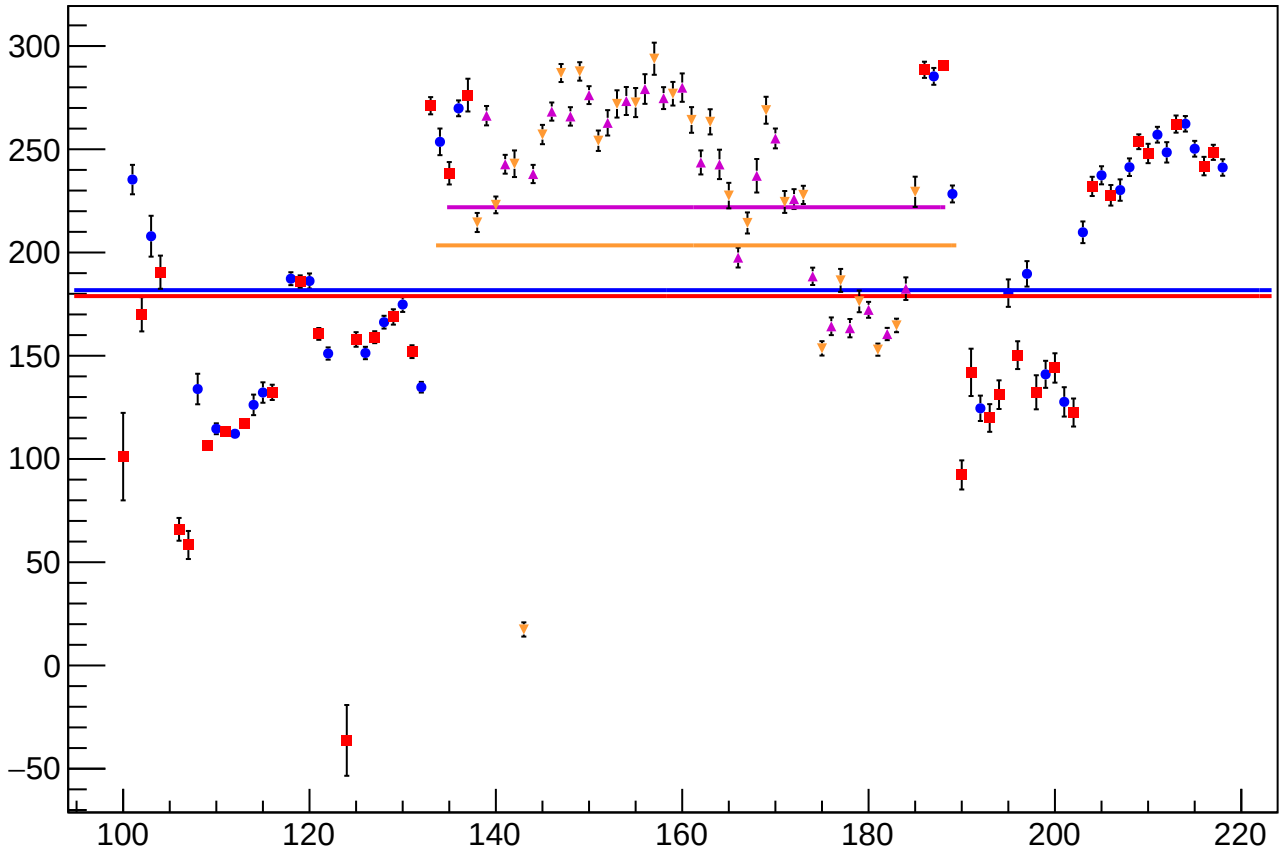
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -84.427+/-0.035 χ^2/NDF: 2687601.0/67

In: -116.785+/-0.033 χ^2/NDF:2293334.9/54

Out: -109.590+/-0.032 χ^2/NDF:2881961.0/60

All: -113.075+/-0.023 χ^2/NDF: 5200077.2/11



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: 178.886+/-0.662 χ^2/NDF: 10303.7/35

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

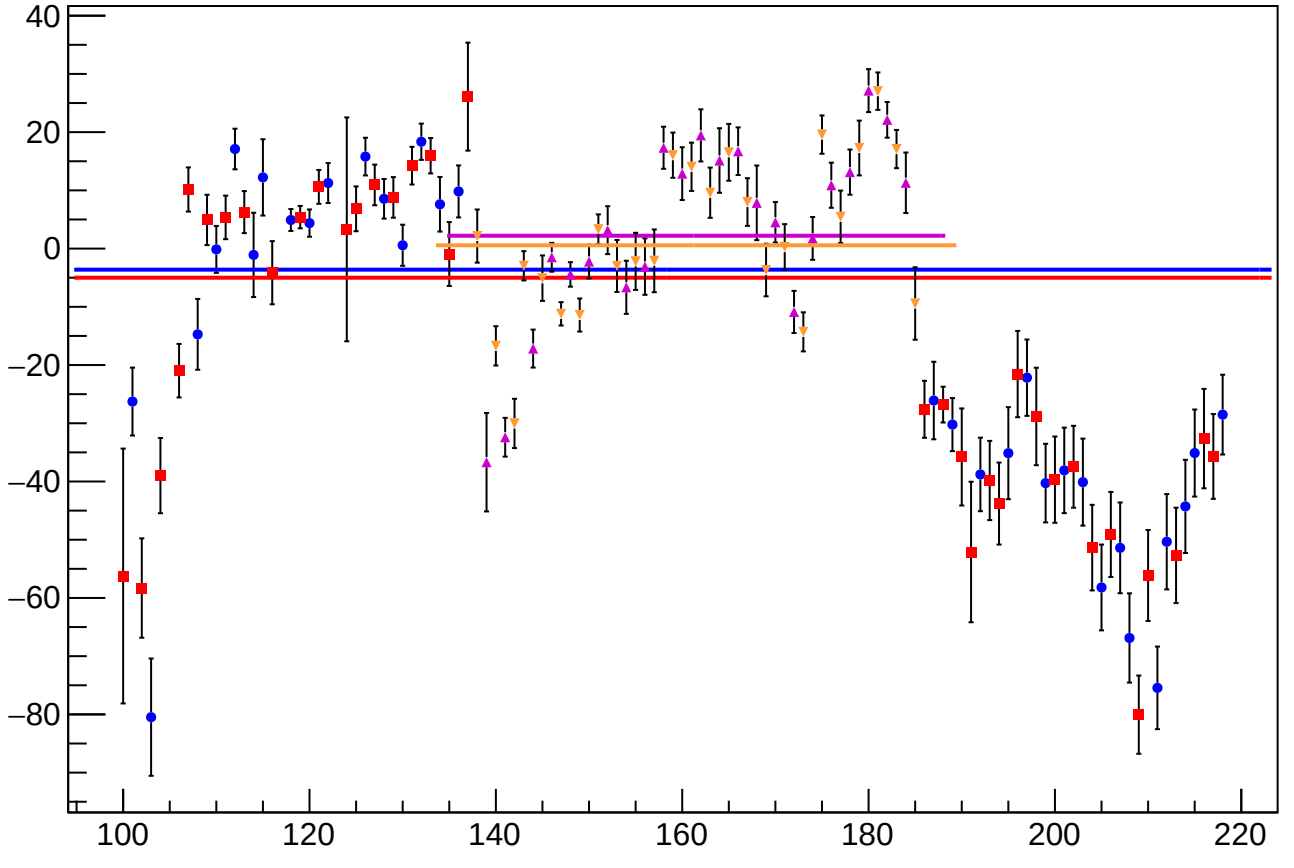
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 180.252+/-0.480 χ^2/NDF: 16610.6/67

In: 194.864+/-0.573 χ^2/NDF:9364.8/54

Out: 186.884+/-0.544 χ^2/NDF:16243.5/60

All: 190.667+/-0.394 χ^2/NDF: 25710.4/115



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: -5.001+/-0.774 χ^2/NDF: 841.2/35

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

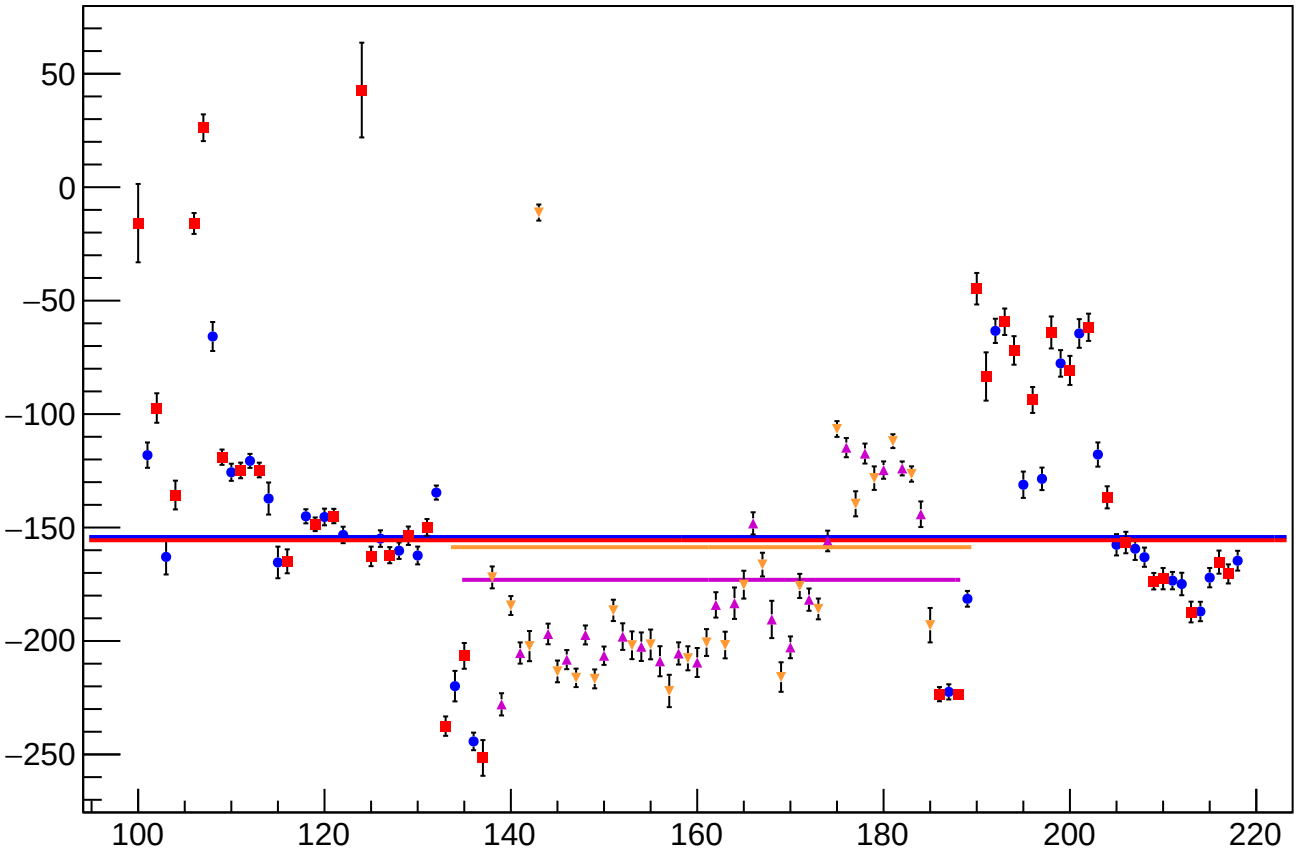
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: -4.324+/-0.553 χ^2/NDF: 1655.5/67

In: -0.586+/-0.548 χ^2/NDF:1199.1/54

Out: -1.998+/-0.525 χ^2/NDF:1214.5/60

All: -1.322+/-0.379 χ^2/NDF: 2417.1/115



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: -155.604+/-0.711 χ^2/NDF: 6530.0/35

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

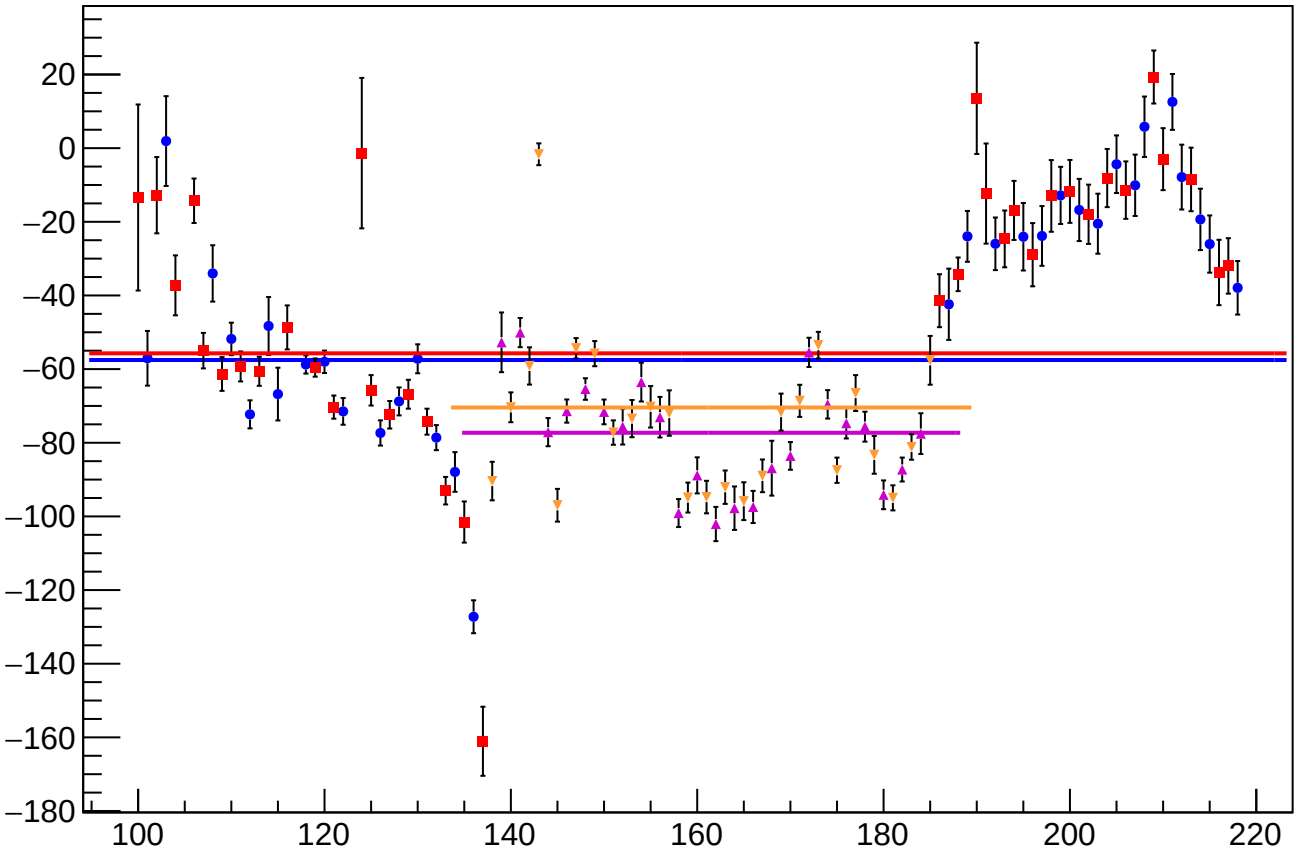
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -154.940+/-0.519 χ^2/NDF: 9005.7/67

In: -161.128+/-0.604 χ^2/NDF:4100.5/54

Out: -156.701+/-0.570 χ^2/NDF:10028.4/60

All: -158.784+/-0.414 χ^2/NDF: 14157.3/115



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: -55.717+/-0.903 χ^2/NDF: 899.8/35

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

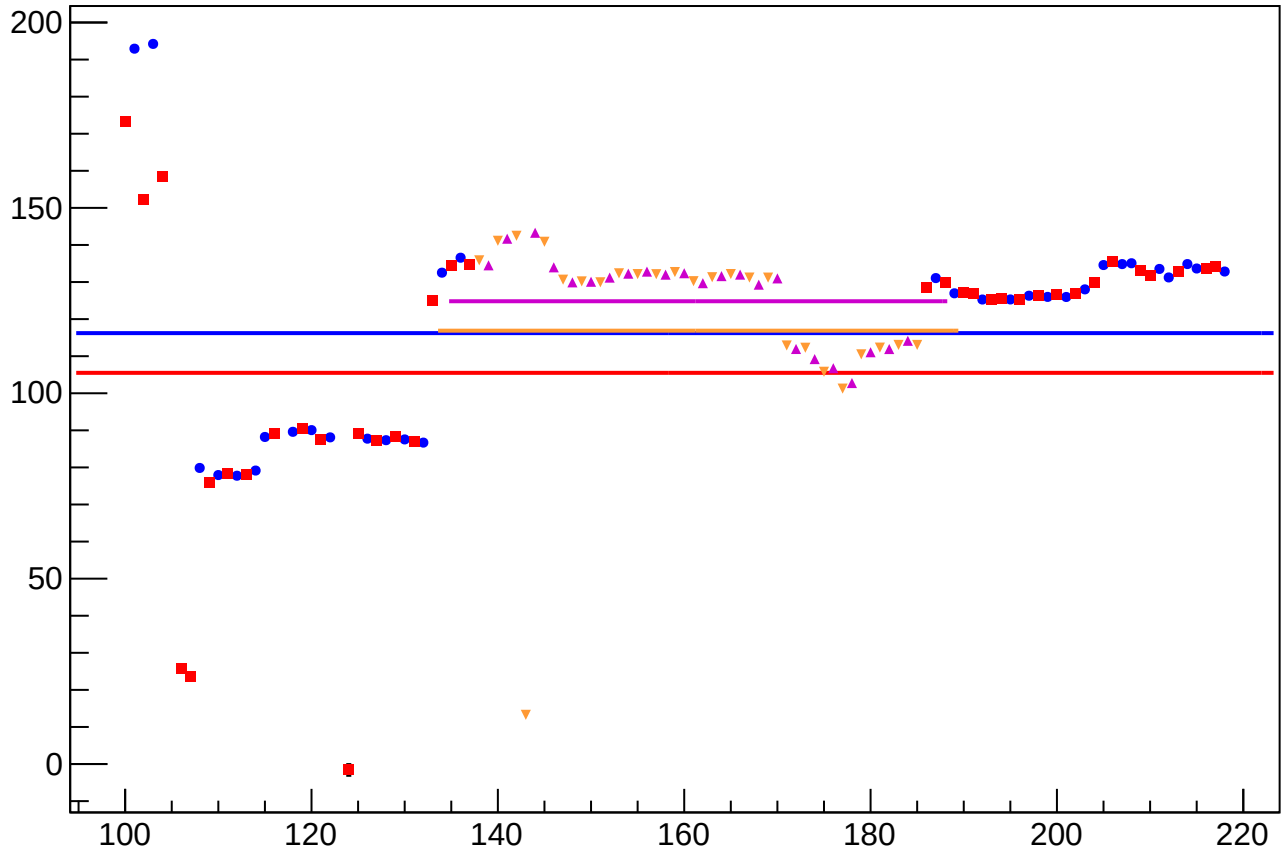
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -56.609+/-0.644 χ^2/NDF: 1778.7/67

In: -67.987+/-0.630 χ^2/NDF:1376.4/54

Out: -63.768+/-0.608 χ^2/NDF:1946.7/60

All: -65.802+/-0.437 χ^2/NDF: 3346.3/115



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: 105.509+/-0.049 χ^2/NDF: 545150.8/35

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

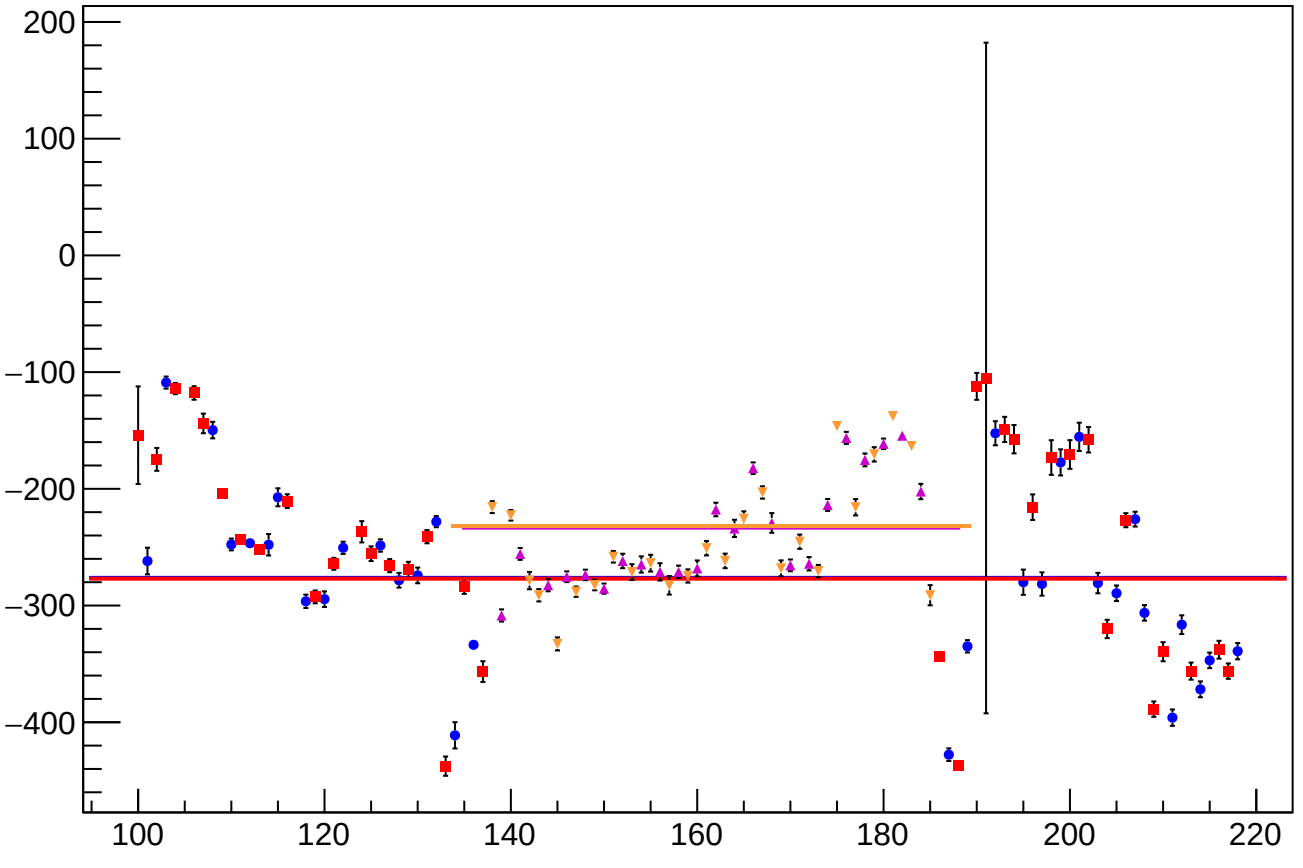
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 110.540+/-0.036 χ^2/NDF: 858501.1/67

In: 121.713+/-0.031 χ^2/NDF:396480.4/54

Out: 112.619+/-0.030 χ^2/NDF:1201647.6/60

All: 116.973+/-0.022 χ^2/NDF: 1641753.2/115



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: -276.974+/-1.034 χ^2/NDF: 8254.0/35

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

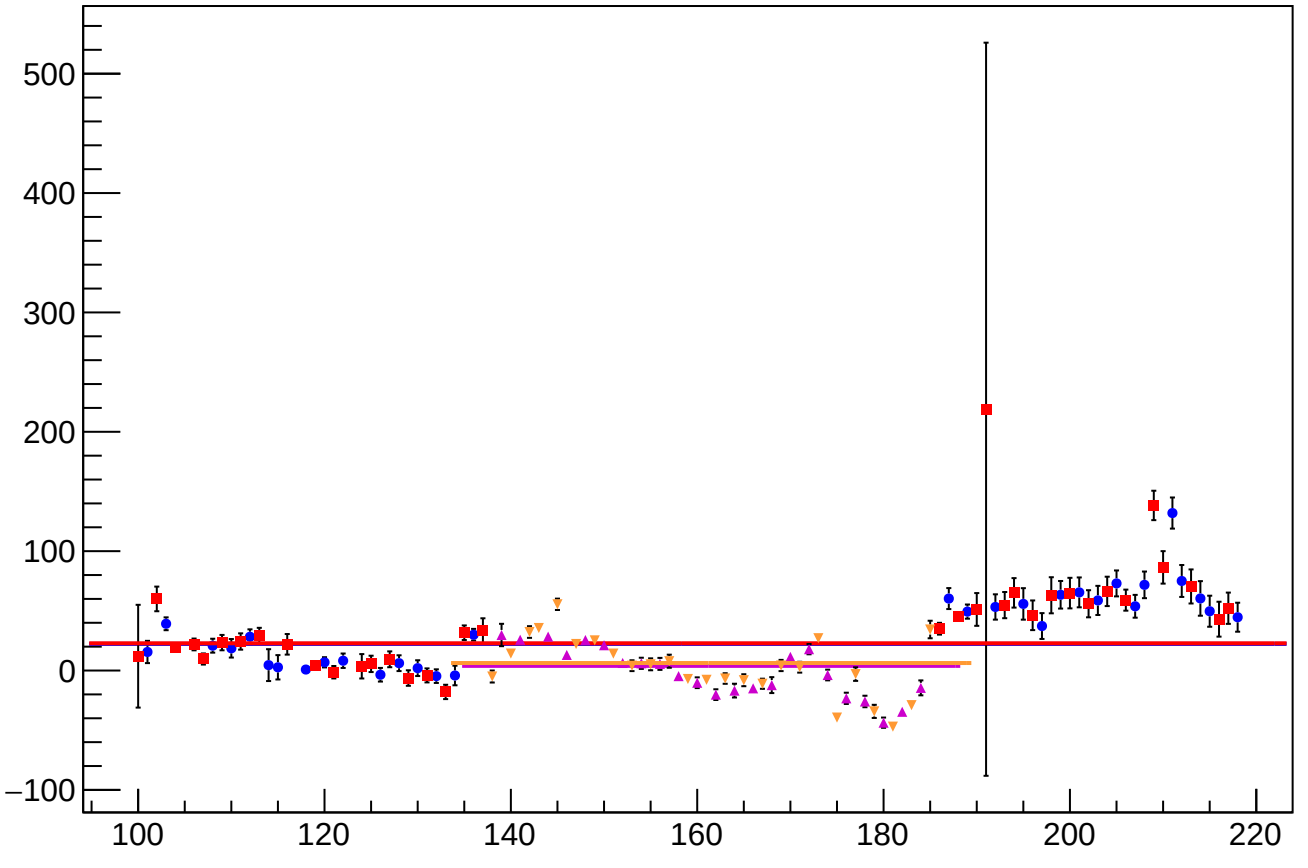
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -276.666+/-0.764 χ^2/NDF: 12323.5/67

In: -254.286+/-0.792 χ^2/NDF:6874.1/54

Out: -255.389+/-0.747 χ^2/NDF:11841.1/60

All: -254.869+/-0.543 χ^2/NDF: 18716.2/115



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: 22.808+/-1.170 χ^2/NDF: 426.3/35

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

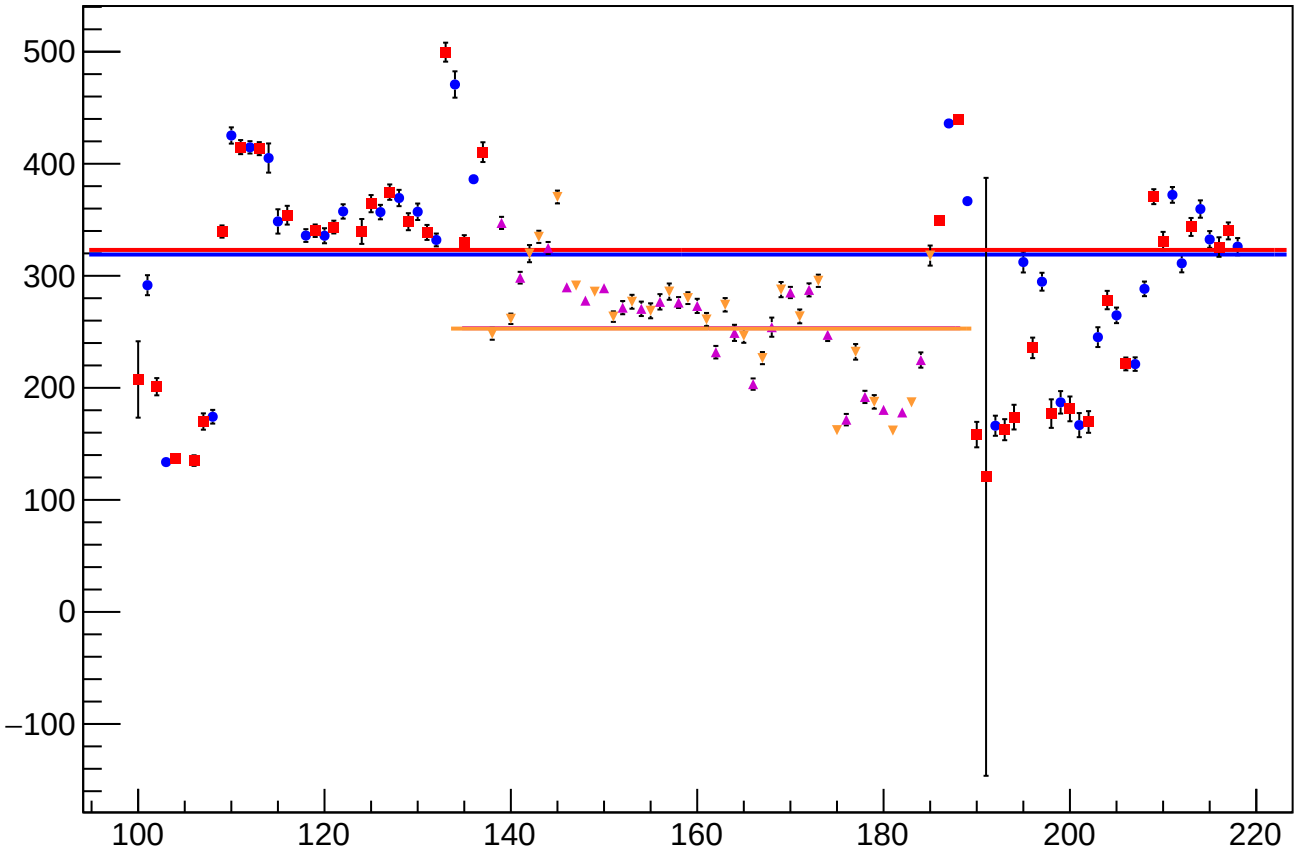
Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

Right: 22.580+/-0.866 χ^2/NDF: 814.6/67

In: 9.203+/-0.690 χ^2/NDF:1184.1/54

Out: 11.450+/-0.654 χ^2/NDF:1434.7/60

All: 10.387+/-0.475 χ^2/NDF: 2624.4/115



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: 323.089+/-1.036 χ^2/NDF: 10158.8/35

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

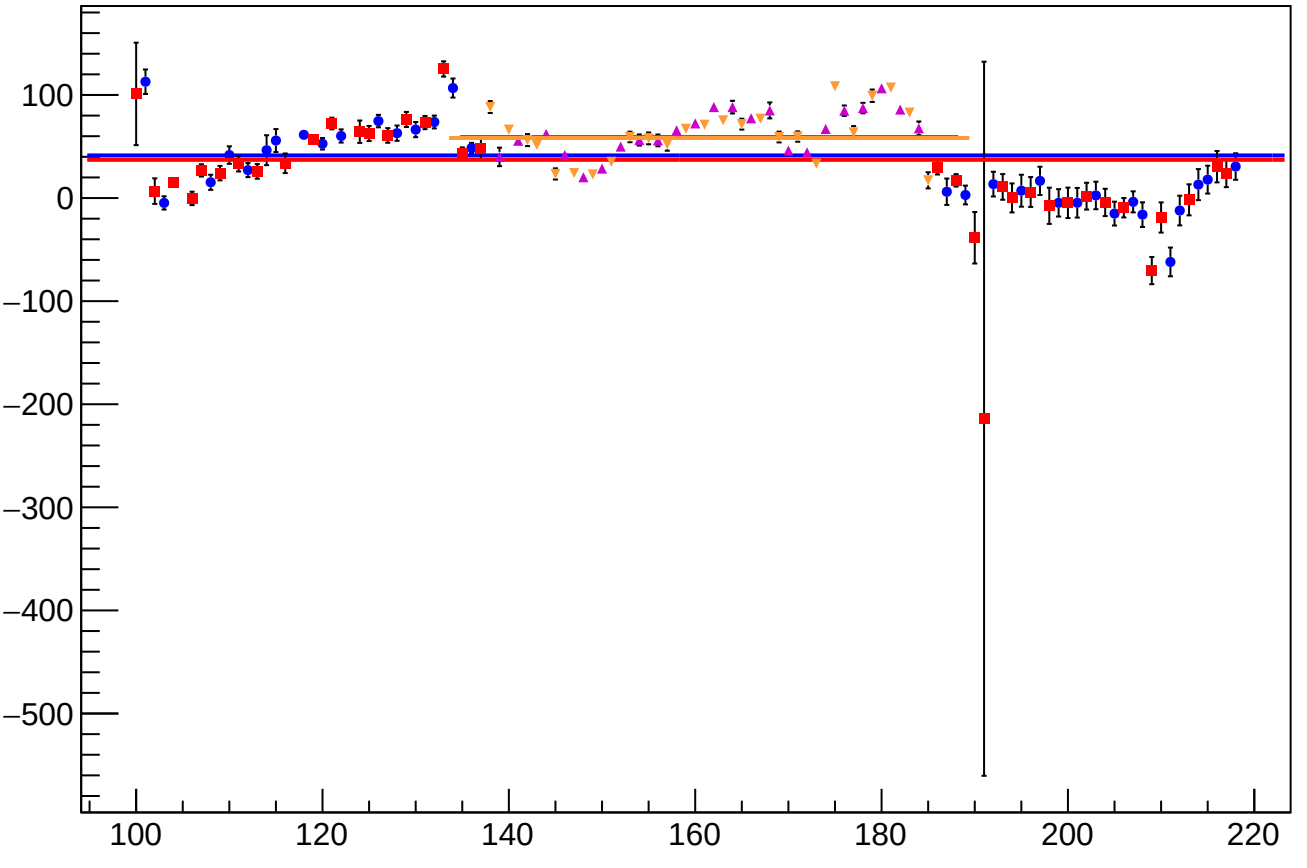
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 321.286+/-0.776 χ^2/NDF: 15944.2/67

In: 283.854+/-0.799 χ^2/NDF:9521.1/54

Out: 289.122+/-0.745 χ^2/NDF:14957.8/60

All: 286.675+/-0.545 χ^2/NDF: 24502.1/115



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: 37.103+/-1.395 χ^2/NDF: 543.8/35

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

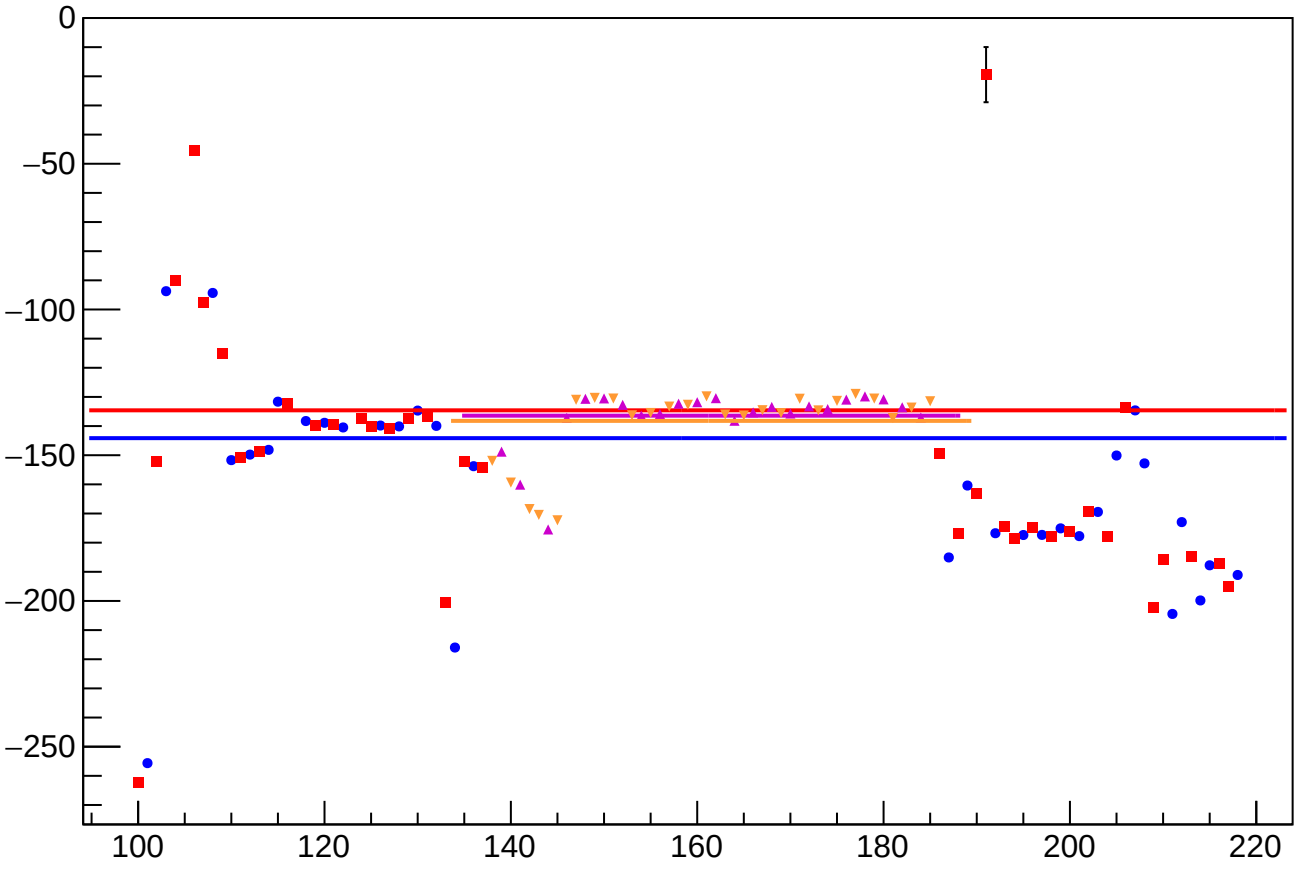
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 39.077+/-1.020 χ^2/NDF: 1028.2/67

In: 54.121+/-0.795 χ^2/NDF:1214.2/54

Out: 51.963+/-0.763 χ^2/NDF:1555.9/60

All: 52.998+/-0.550 χ^2/NDF: 2774.0/115



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: -134.597+/-0.070 χ^2/NDF: 366066.6/35

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

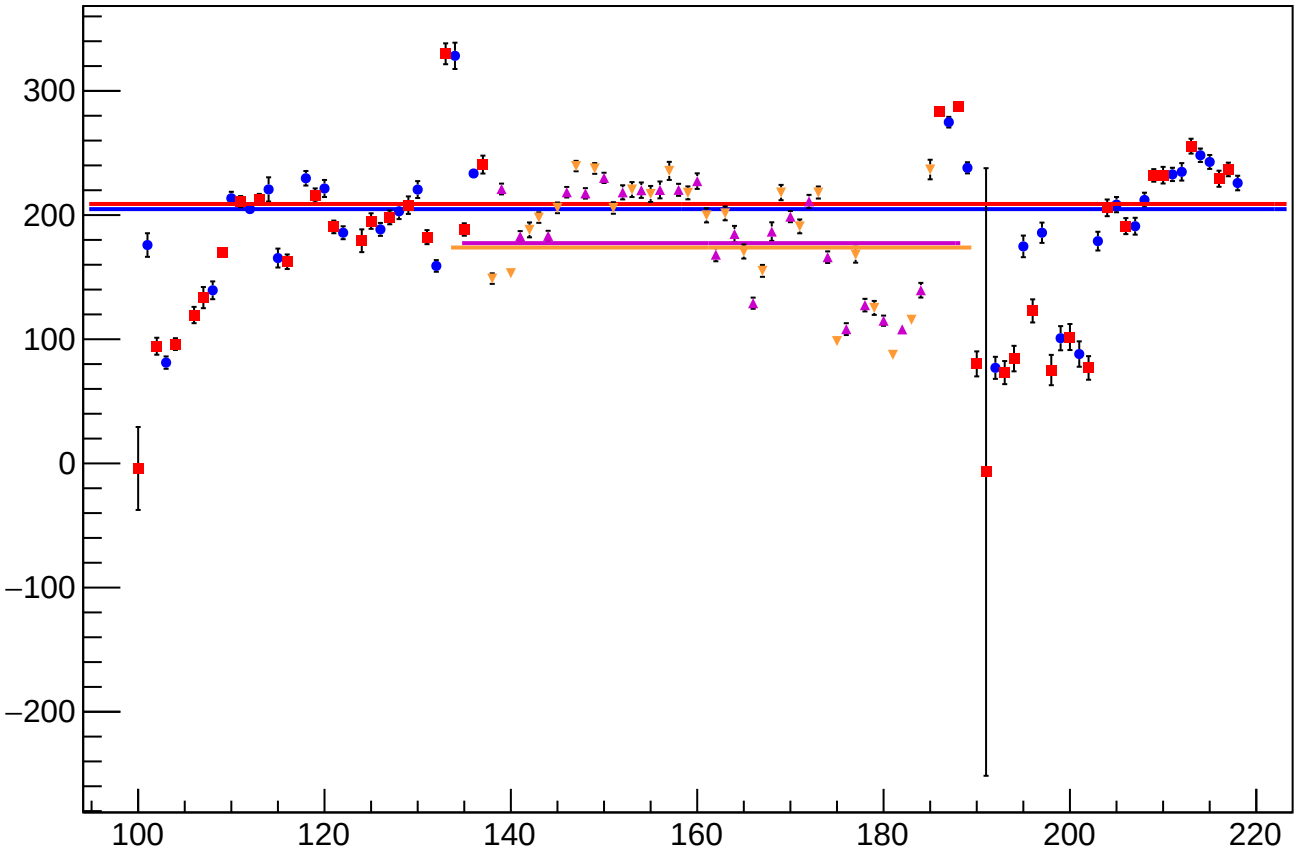
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -139.131+/-0.051 χ^2/NDF: 634648.3/67

In: -138.393+/-0.037 χ^2/NDF:317726.9/54

Out: -137.238+/-0.036 χ^2/NDF:449859.7/60

All: -137.804+/-0.026 χ^2/NDF: 768083.1/115



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: 208.948+/-0.955 χ^2/NDF: 4344.5/35

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

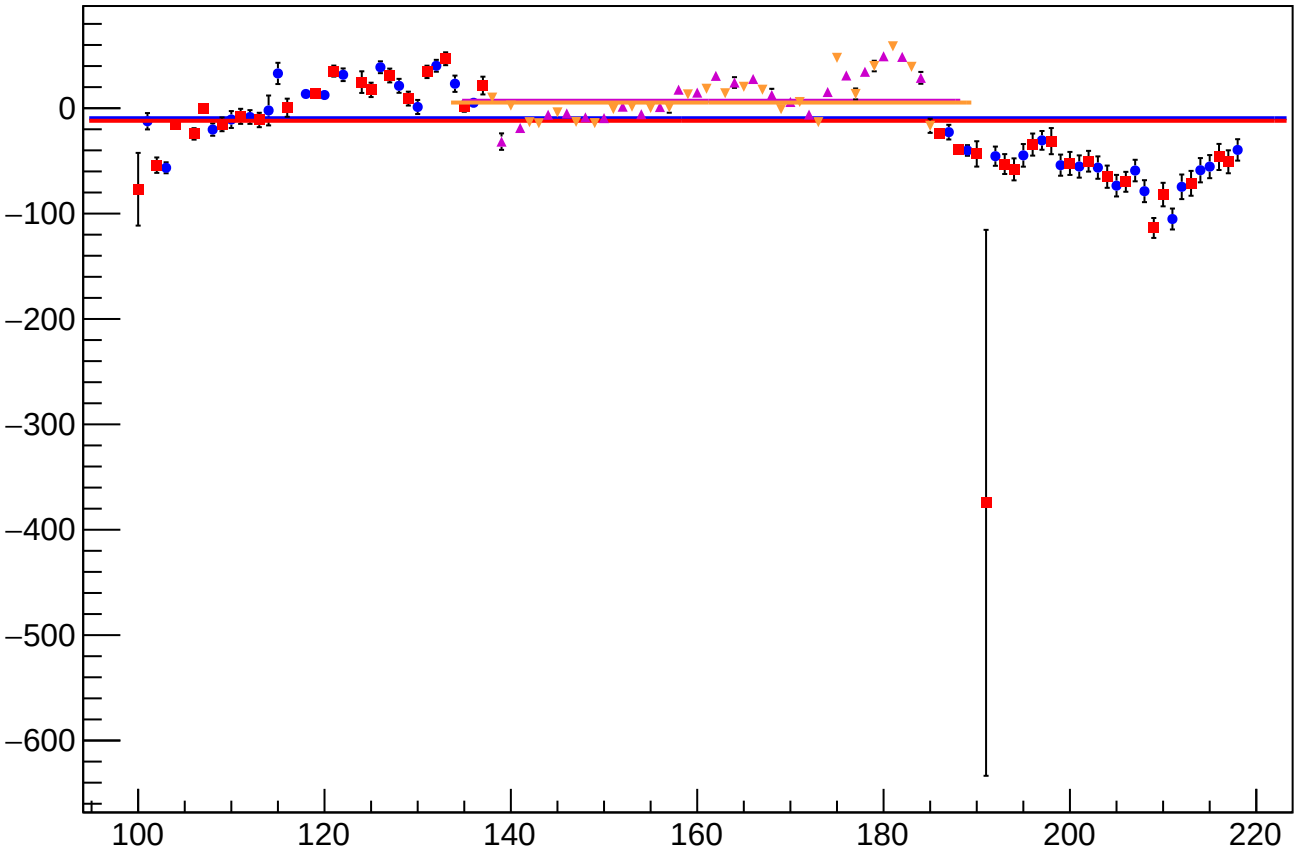
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 207.059+/-0.705 χ^2/NDF: 6421.5/67

In: 190.431+/-0.721 χ^2/NDF:4391.5/54

Out: 191.531+/-0.678 χ^2/NDF:7641.9/60

All: 191.015+/-0.494 χ^2/NDF: 12034.6/115



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: -11.933+/-1.108 χ^2/NDF: 871.8/35

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

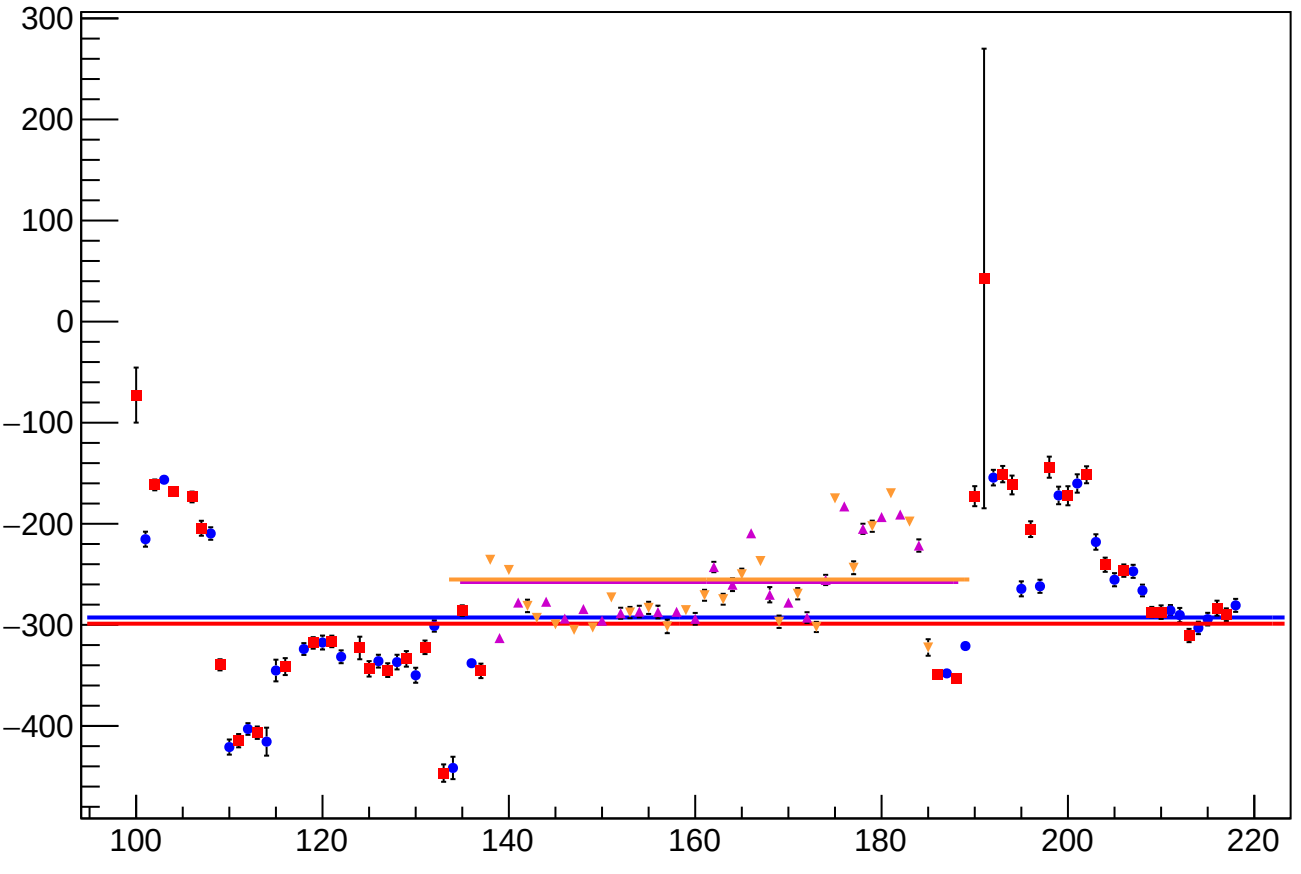
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -10.835+/-0.820 χ^2/NDF: 1704.0/67

In: 2.589+/-0.633 χ^2/NDF:1674.5/54

Out: 0.326+/-0.598 χ^2/NDF:1854.4/60

All: 1.392+/-0.435 χ^2/NDF: 3535.7/115



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: -298.849+/-0.934 χ^2/NDF: 6721.0/35

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

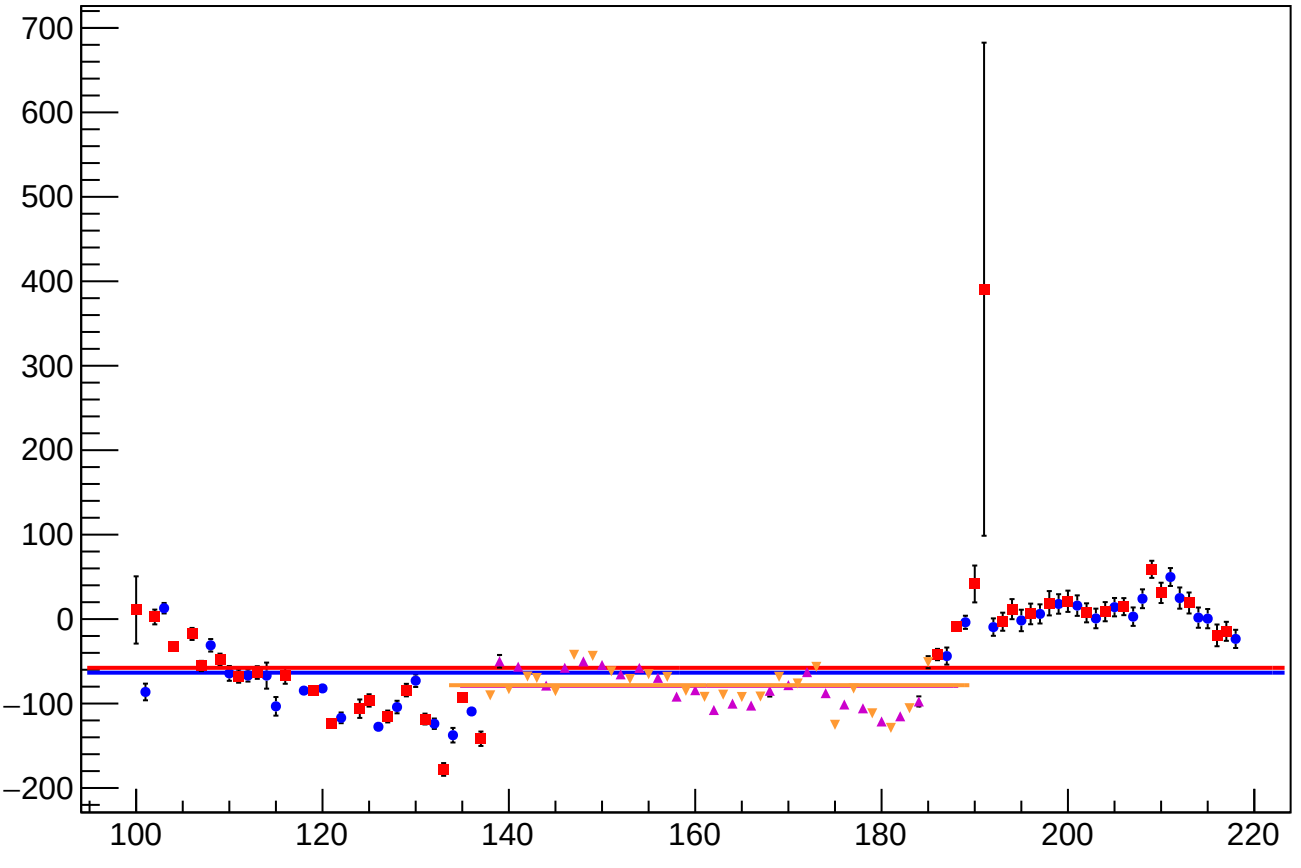
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -296.163+/-0.701 χ^2/NDF: 10849.6/67

In: -273.852+/-0.722 χ^2/NDF:6505.9/54

Out: -277.492+/-0.668 χ^2/NDF:10135.5/60

All: -275.811+/-0.490 χ^2/NDF: 16655.1/115



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: -57.708+/-1.325 χ^2/NDF: 1552.5/35

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

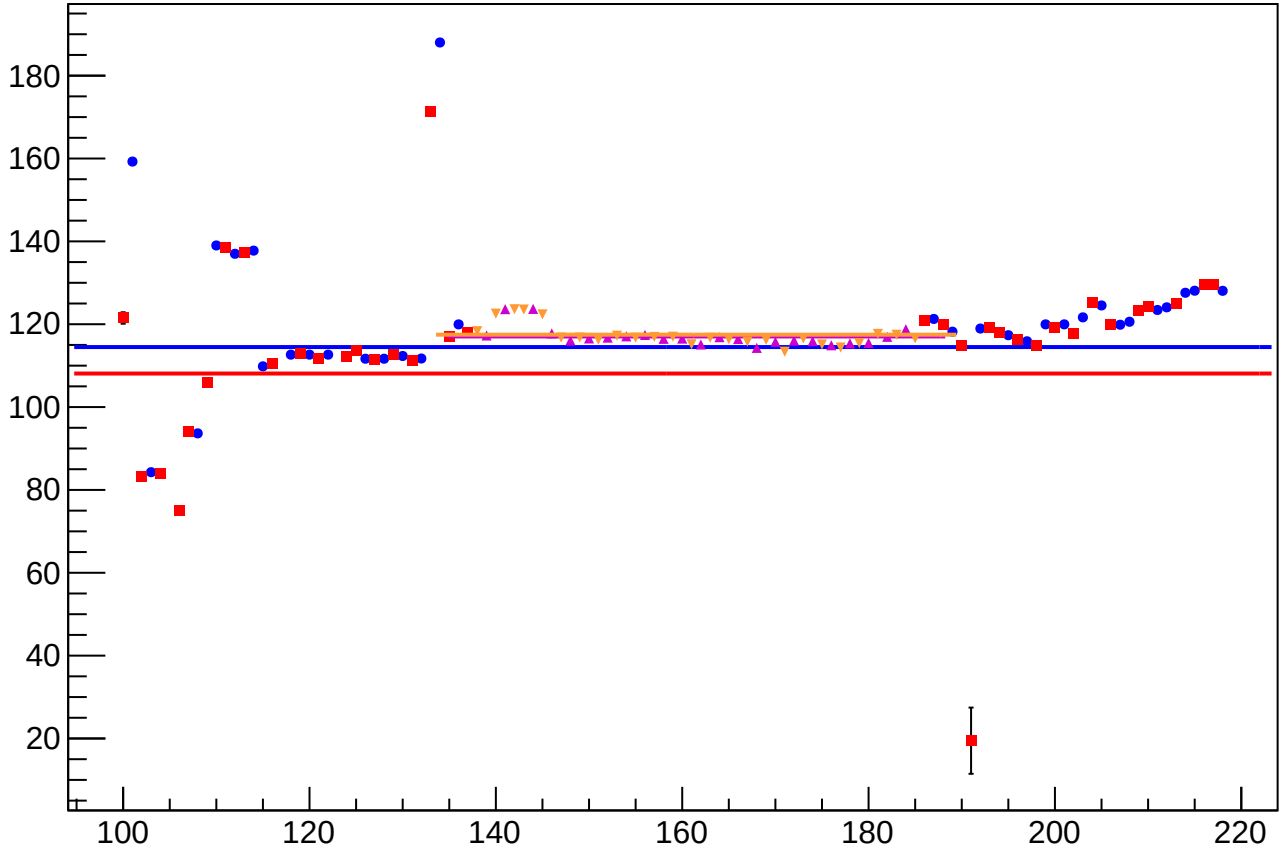
Right: -60.396+/-0.967 χ^2/NDF: 2956.8/67

In: -74.935+/-0.728 χ^2/NDF:2187.6/54

Out: -72.603+/-0.696 χ^2/NDF:2595.4/60

All: -73.718+/-0.503 χ^2/NDF: 4788.4/115

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 108.099+/-0.064 χ^2/NDF: 83830.4/35

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

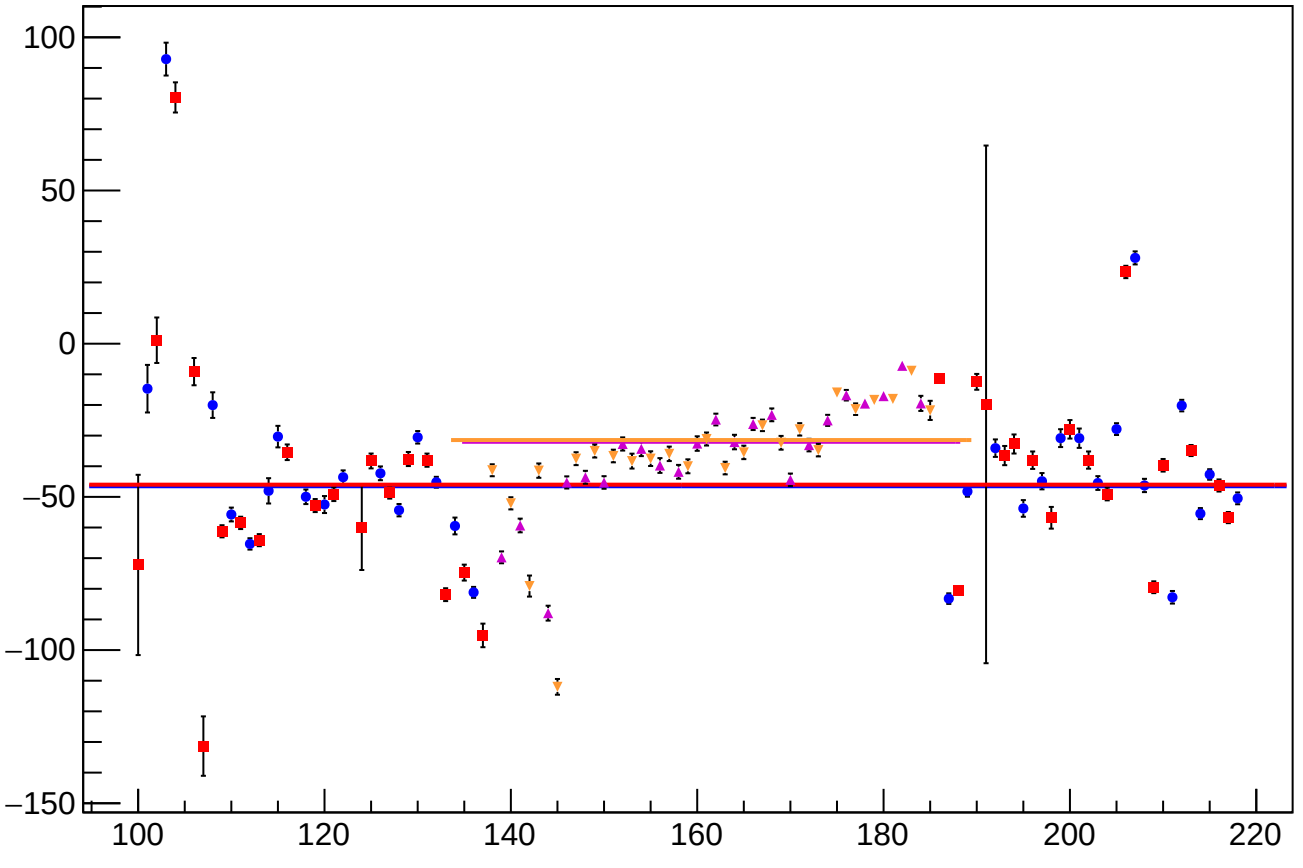
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 111.124+/-0.046 χ^2/NDF: 178135.0/67

In: 116.414+/-0.033 χ^2/NDF:93994.9/54

Out: 115.024+/-0.033 χ^2/NDF:104489.7/60

All: 115.702+/-0.023 χ^2/NDF: 199366.2/115



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: -46.013+/-0.371 χ^2/NDF: 5779.1/35

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

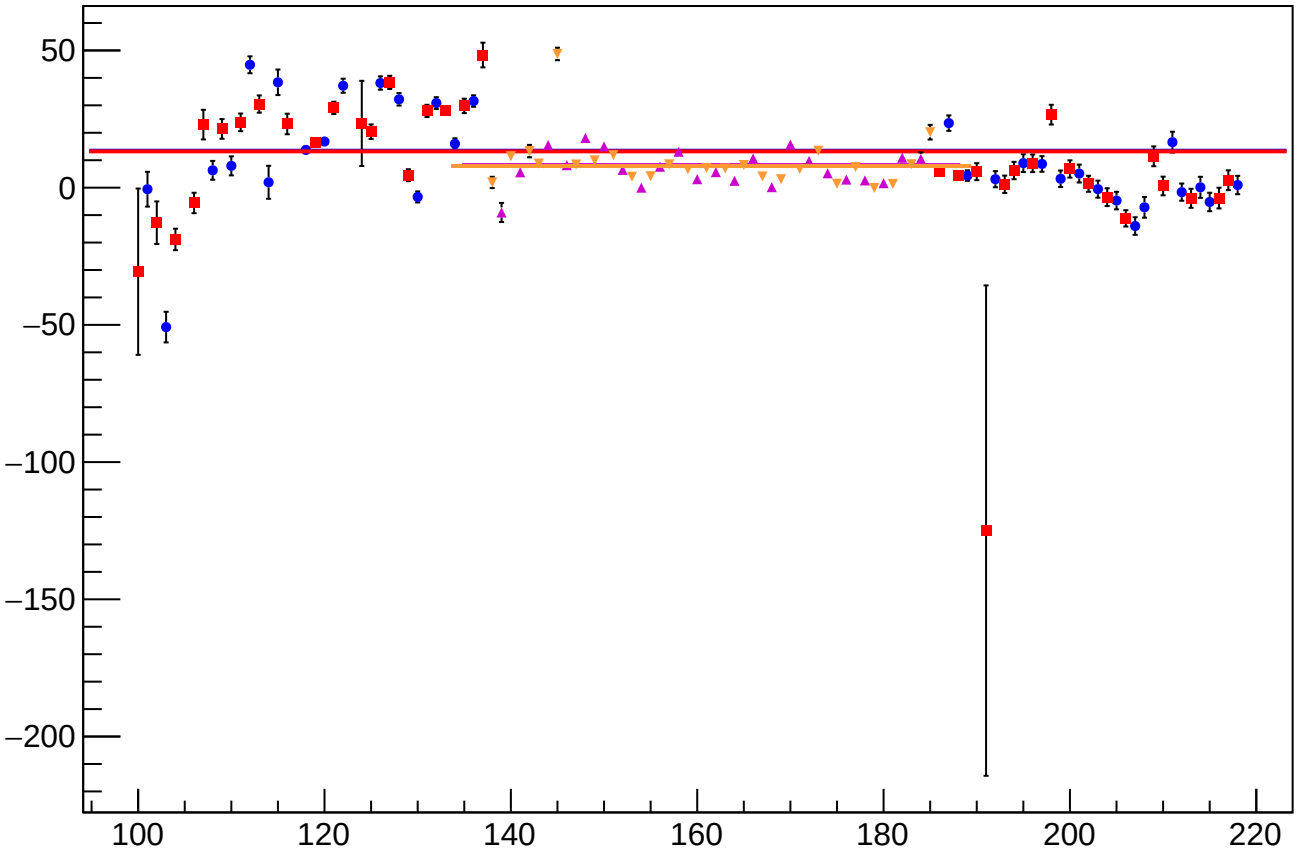
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -46.254+/-0.271 χ^2/NDF: 9527.1/67

In: -39.467+/-0.285 χ^2/NDF:6306.8/54

Out: -39.263+/-0.272 χ^2/NDF:8486.1/60

All: -39.360+/-0.197 χ^2/NDF: 14793.2/115



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: 13.228+/-0.447 χ^2/NDF: 884.6/35

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

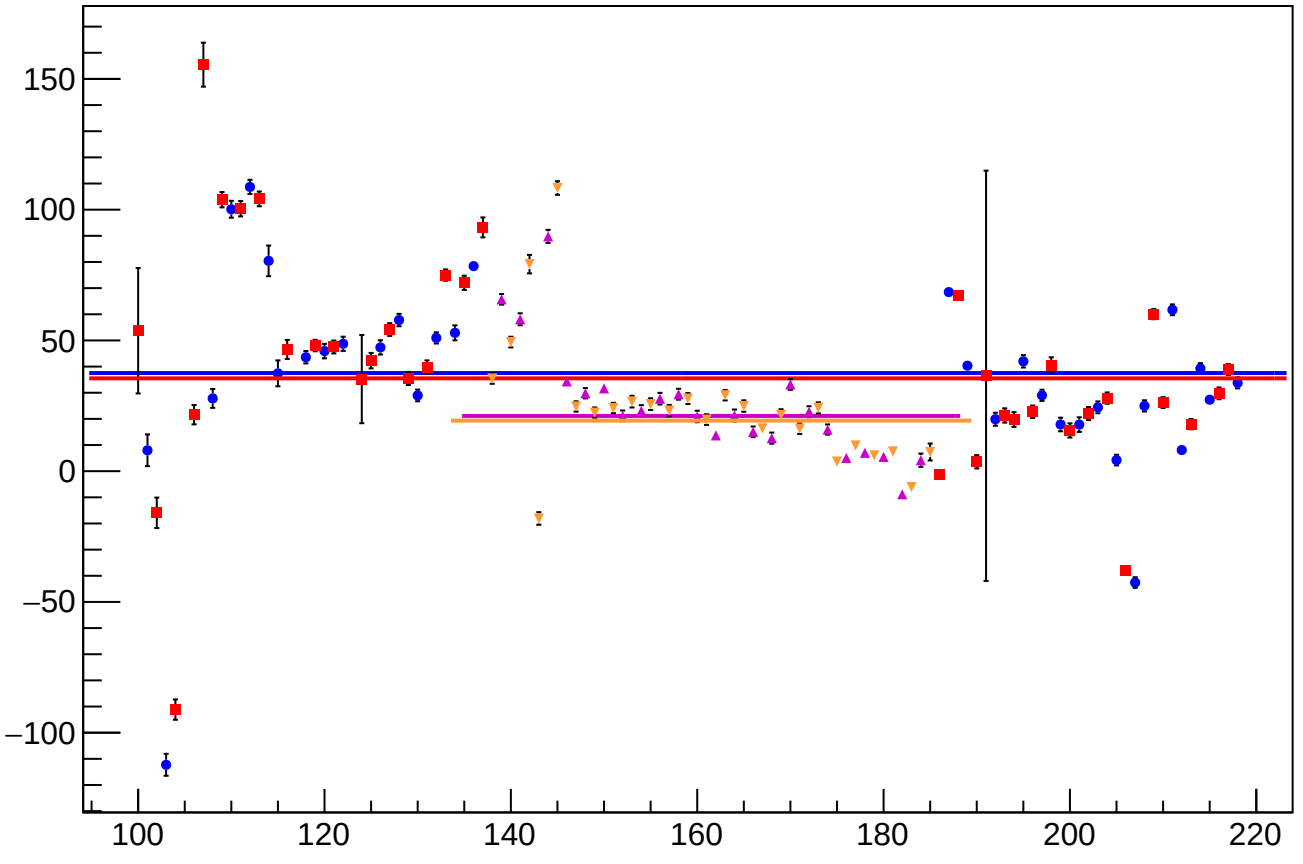
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 13.336+/-0.326 χ^2/NDF: 1944.2/67

In: 9.816+/-0.263 χ^2/NDF:1482.0/54

Out: 9.581+/-0.251 χ^2/NDF:1472.4/60

All: 9.693+/-0.182 χ^2/NDF: 2954.8/115



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: 35.508+/-0.362 χ^2/NDF: 9375.4/35

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

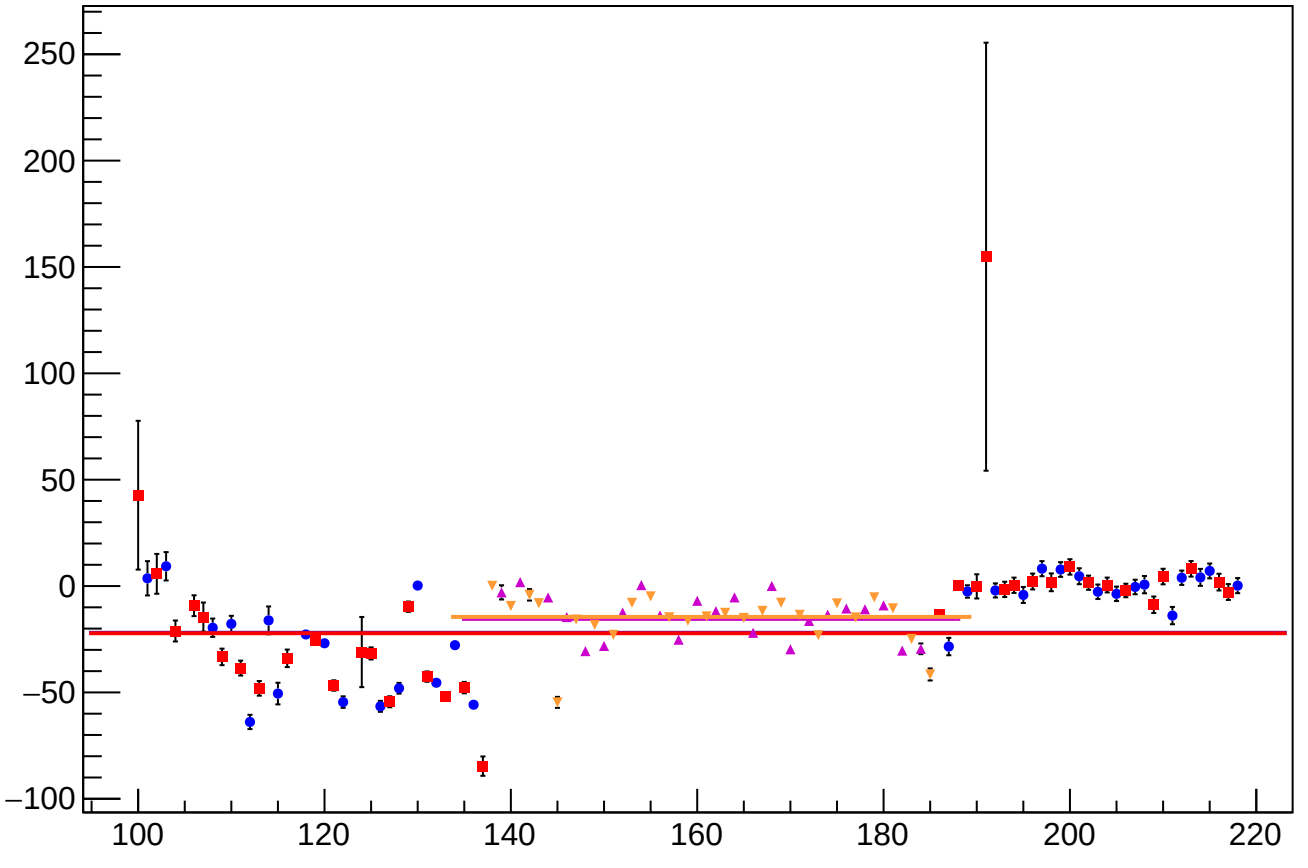
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 36.397+/-0.271 χ^2/NDF: 15479.1/67

In: 29.254+/-0.287 χ^2/NDF:9408.7/54

Out: 28.134+/-0.267 χ^2/NDF:12966.6/60

All: 28.653+/-0.196 χ^2/NDF: 22383.4/115



Right In: -21.988+/-0.550 χ^2/NDF: 1772.5/31

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -22.165+/-0.535 χ^2/NDF: 1723.6/35

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

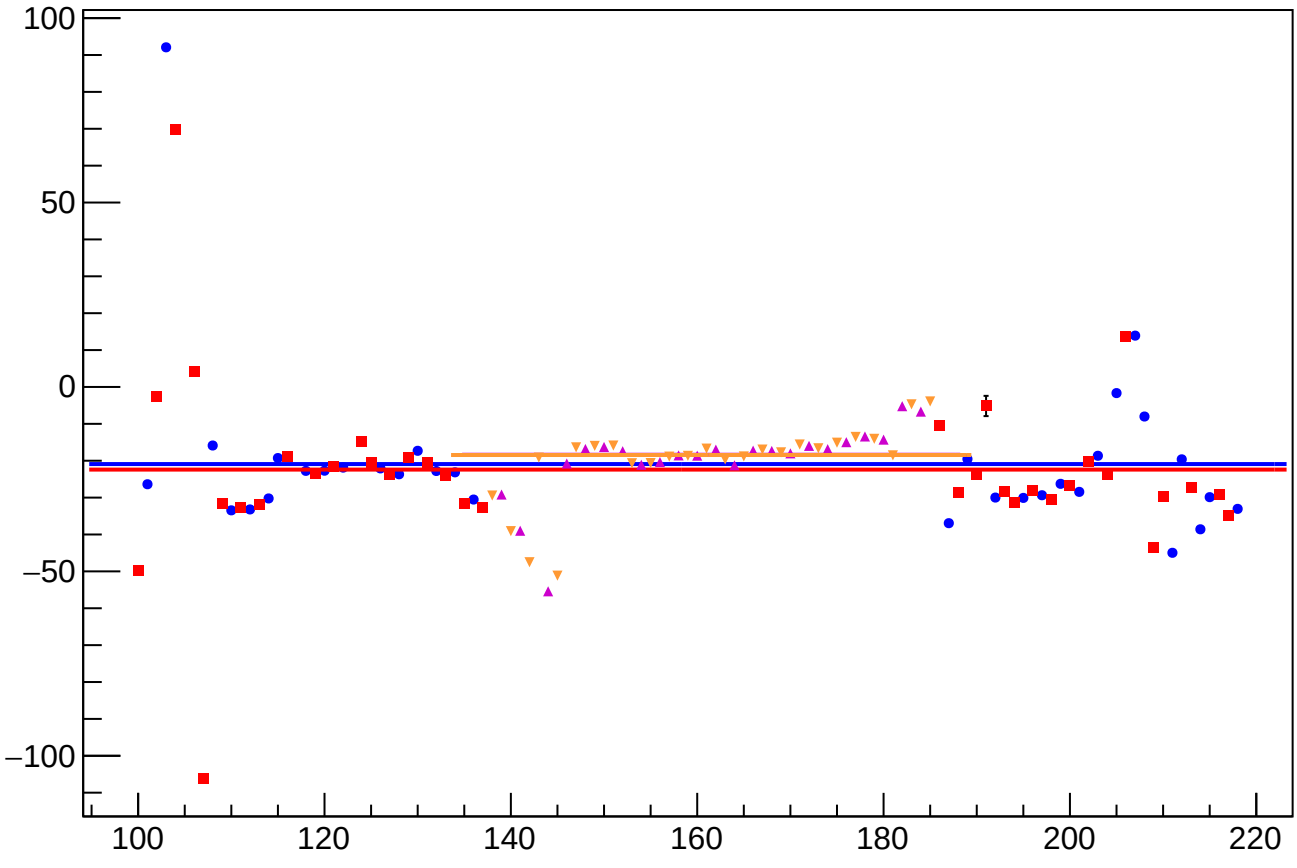
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -22.079+/-0.384 χ^2/NDF: 3496.1/67

In: -17.351+/-0.298 χ^2/NDF:2671.9/54

Out: -16.741+/-0.289 χ^2/NDF:2509.6/60

All: -17.037+/-0.208 χ^2/NDF: 5183.7/115



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: -22.405+/-0.027 χ^2/NDF: 488048.2/35

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

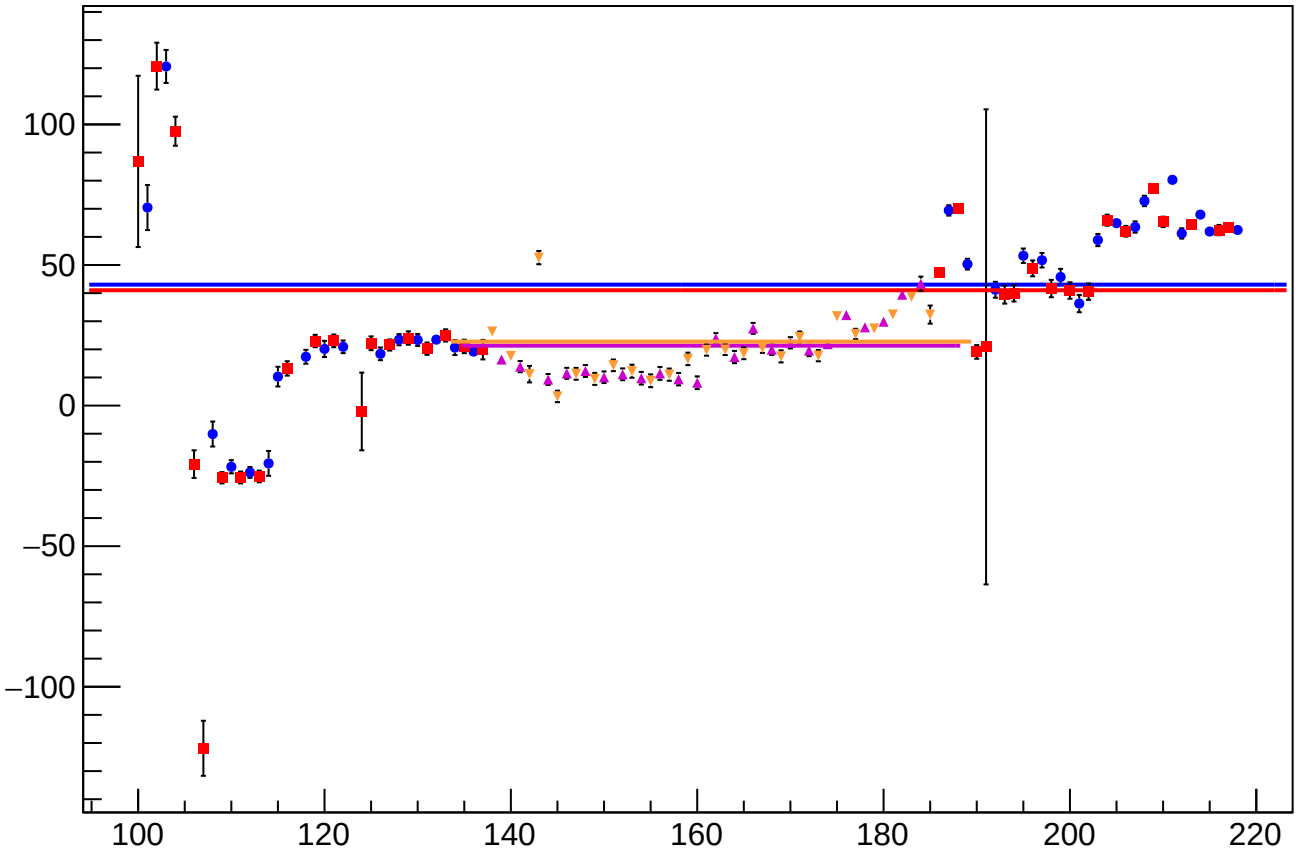
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -21.661+/-0.019 χ^2/NDF: 1075298.0/67

In: -19.027+/-0.014 χ^2/NDF:842334.2/54

Out: -19.449+/-0.013 χ^2/NDF:799900.3/60

All: -19.241+/-0.010 χ^2/NDF: 1642723.4/115



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: 41.024+/-0.371 χ^2/NDF: 6816.5/35

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

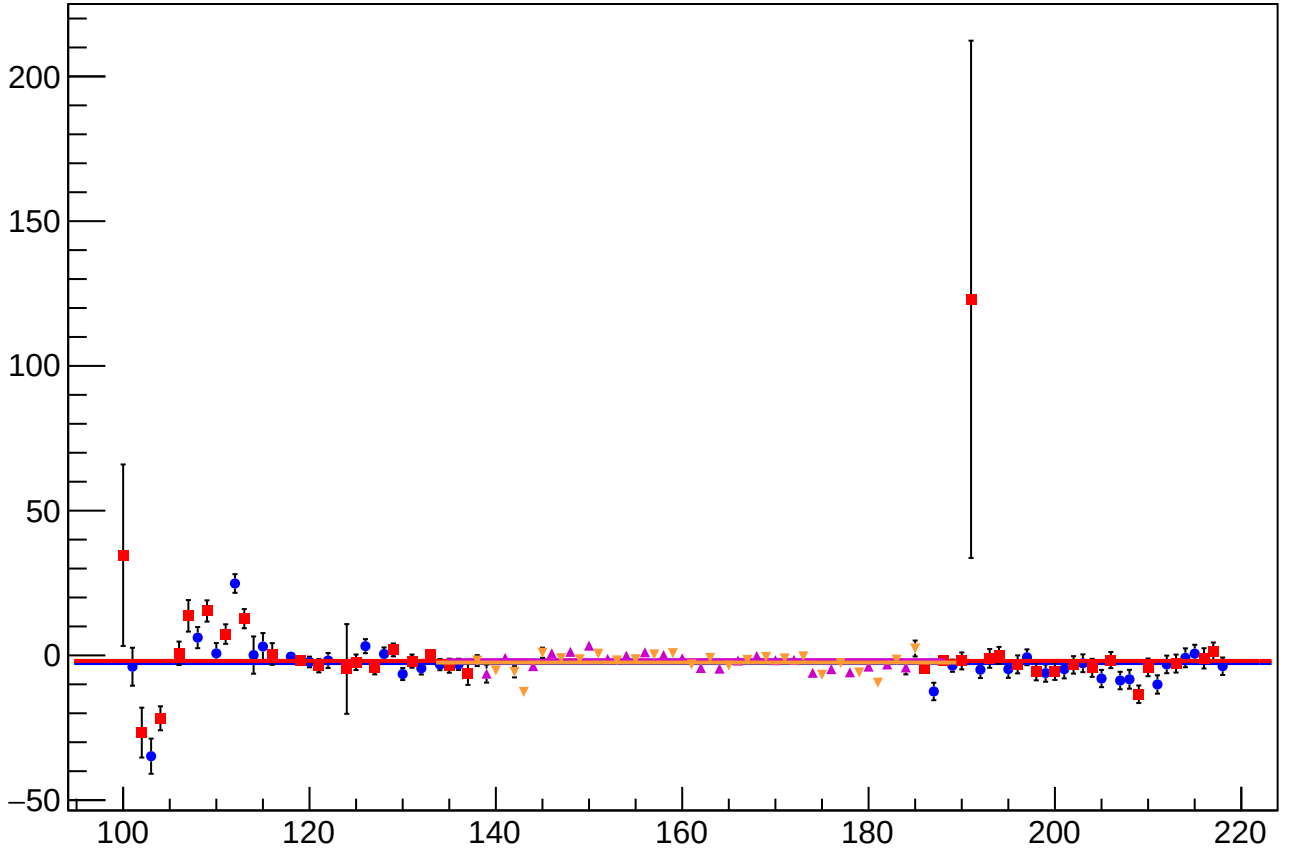
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 41.986+/-0.267 χ^2/NDF: 12284.5/67

In: 32.378+/-0.275 χ^2/NDF:7638.5/54

Out: 32.170+/-0.266 χ^2/NDF:8712.2/60

All: 32.271+/-0.191 χ^2/NDF: 16351.0/115



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: -1.907+/-0.457 χ^2/NDF: 122.8/35

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

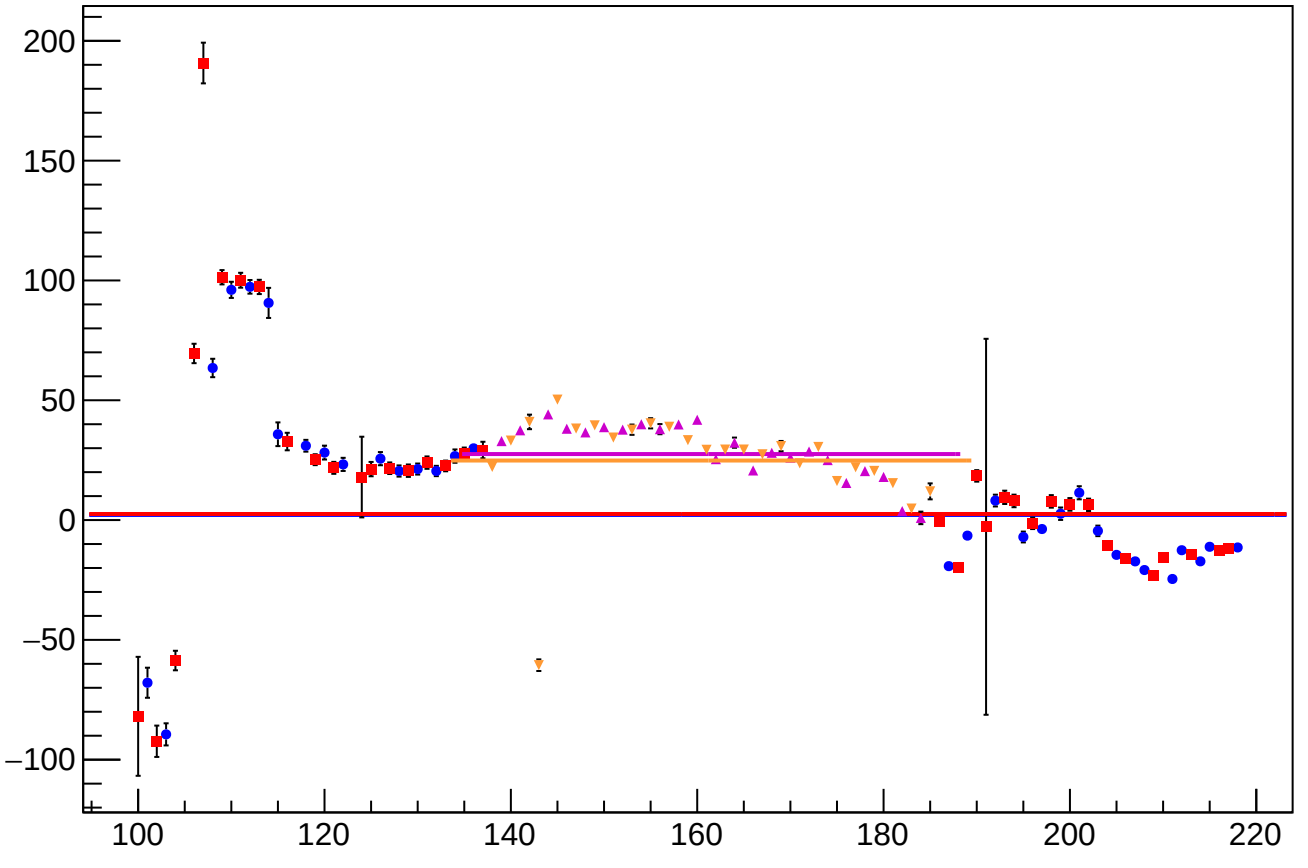
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -2.263+/-0.329 χ^2/NDF: 278.9/67

In: -1.947+/-0.256 χ^2/NDF:228.2/54

Out: -2.305+/-0.247 χ^2/NDF:240.5/60

All: -2.133+/-0.178 χ^2/NDF: 469.7/115



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: 2.534+/-0.369 χ^2/NDF: 6424.7/35

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

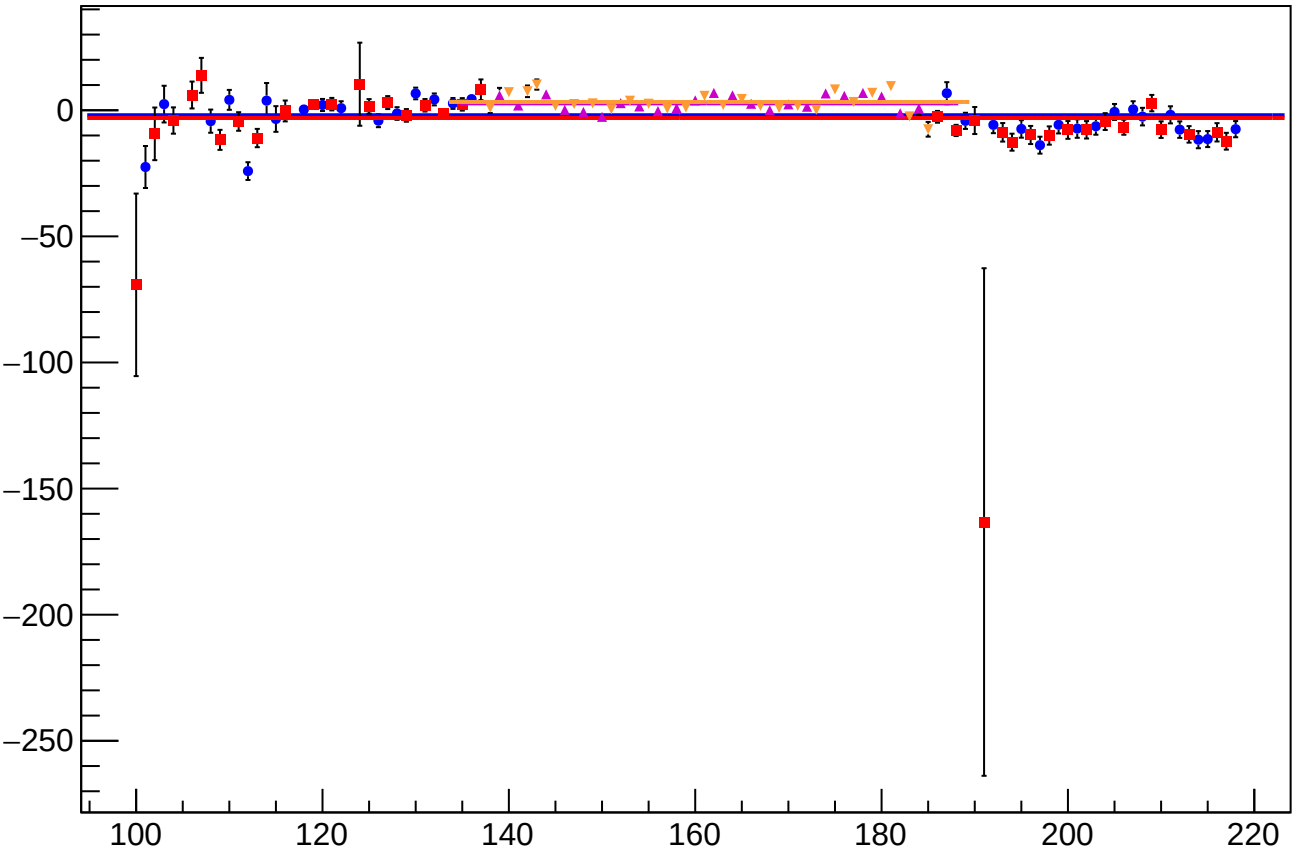
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 2.355+/-0.270 χ^2/NDF: 11401.4/67

In: 15.113+/-0.278 χ^2/NDF:7947.4/54

Out: 13.371+/-0.265 χ^2/NDF:10249.7/60

All: 14.199+/-0.192 χ^2/NDF: 18217.7/115



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: -3.064+/-0.539 χ^2/NDF: 111.5/35

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

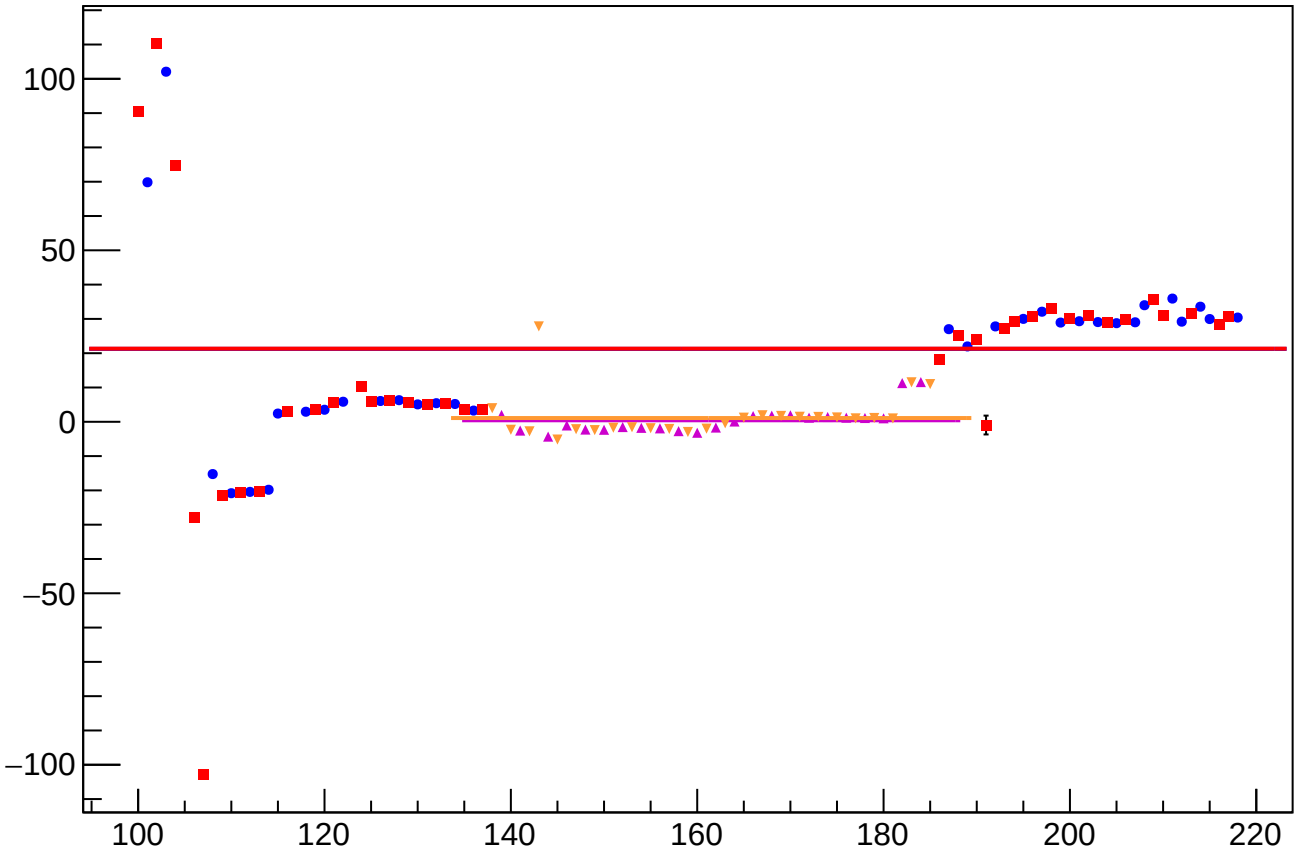
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -2.520+/-0.382 χ^2/NDF: 255.1/67

In: 1.386+/-0.289 χ^2/NDF:270.0/54

Out: 1.544+/-0.282 χ^2/NDF:318.6/60

All: 1.467+/-0.202 χ^2/NDF: 588.8/115



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: 21.321+/-0.026 χ^2/NDF: 646394.6/35

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

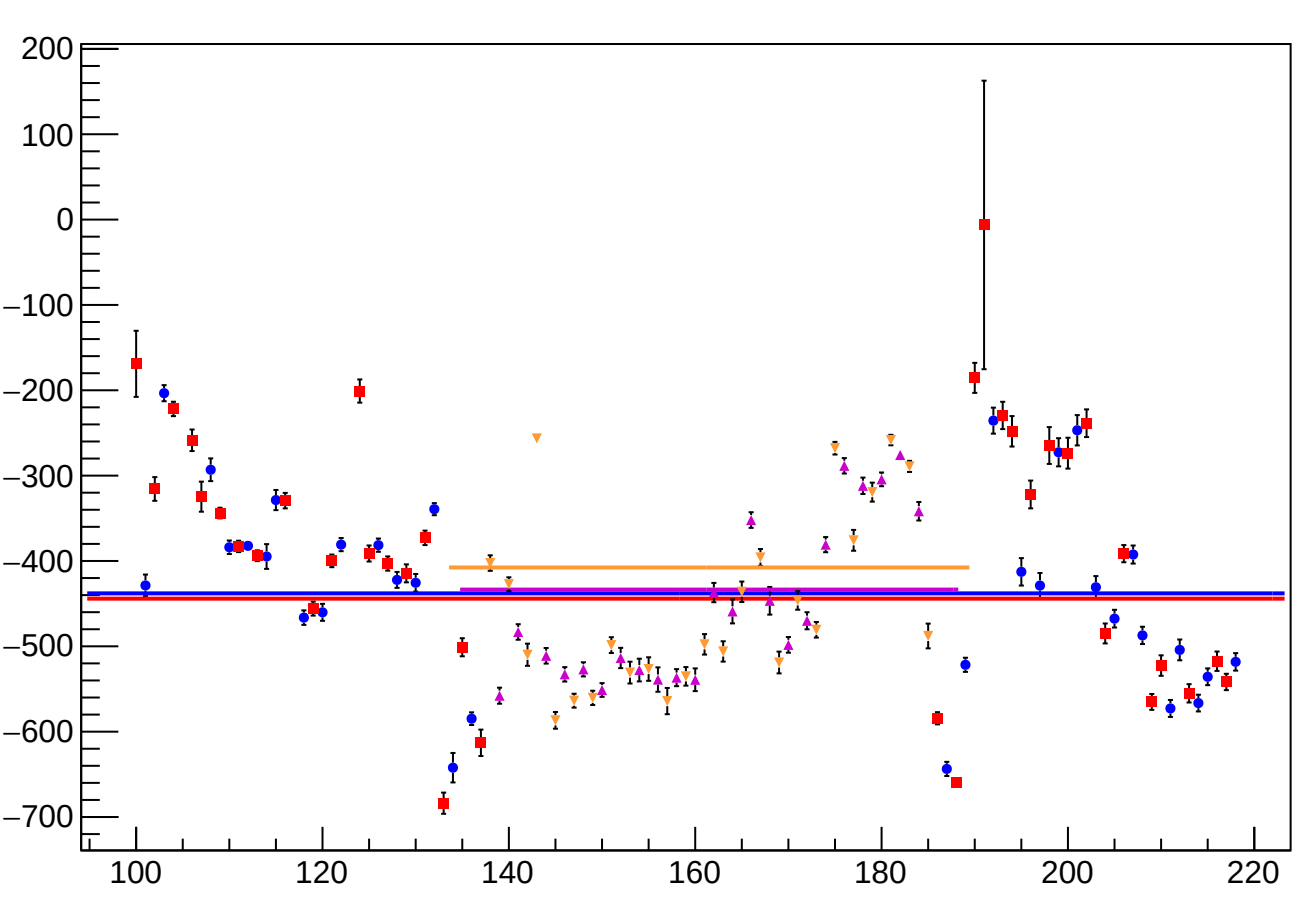
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 21.290+/-0.018 χ^2/NDF: 1153675.7/67

In: 5.699+/-0.013 χ^2/NDF:1041450.0/54

Out: 6.024+/-0.013 χ^2/NDF:1228094.4/60

All: 5.863+/-0.009 χ^2/NDF: 2269857.2/115



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: -444.145+/-1.624 χ^2/NDF: 6872.2/35

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

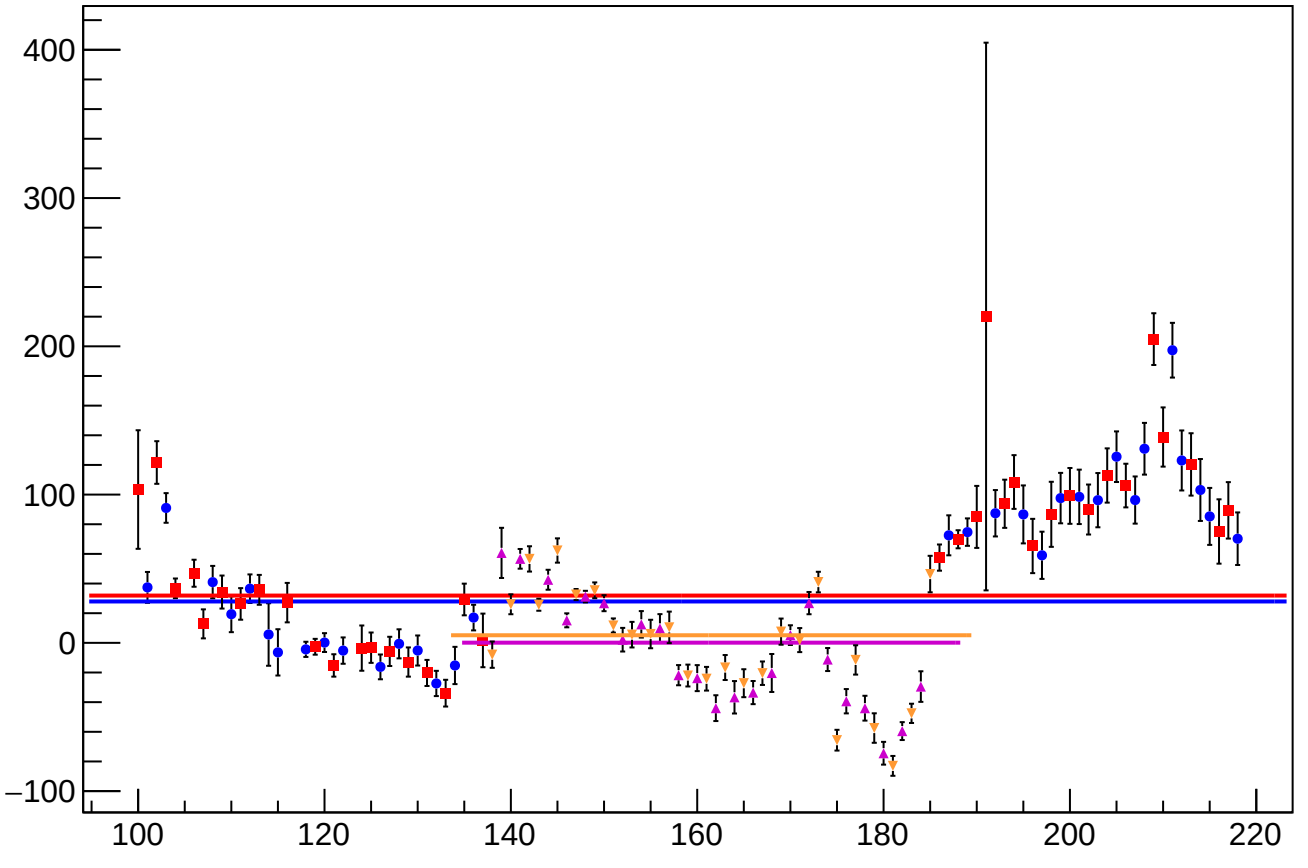
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -441.272+/-1.188 χ^2/NDF: 10408.5/67

In: -436.046+/-1.311 χ^2/NDF:6256.9/54

Out: -428.419+/-1.226 χ^2/NDF:11095.6/60

All: -431.975+/-0.895 χ^2/NDF: 17370.6/115



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: 31.889+/-1.863 χ^2/NDF: 598.3/35

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

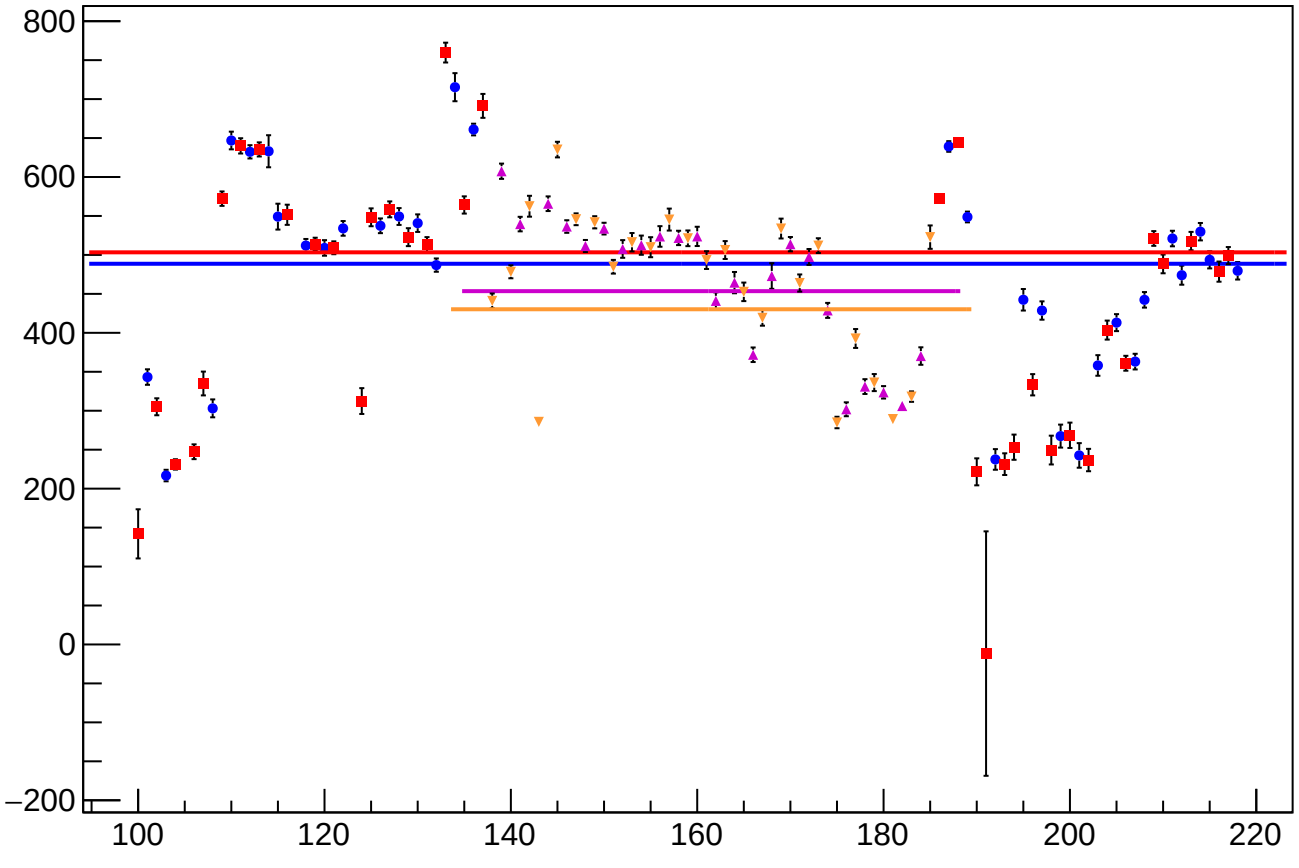
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 30.016+/-1.355 χ^2/NDF: 1154.5/67

In: 10.202+/-1.189 χ^2/NDF:1248.8/54

Out: 14.592+/-1.108 χ^2/NDF:1420.8/60

All: 12.551+/-0.811 χ^2/NDF: 2676.9/115



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: 503.320+/-1.641 χ^2/NDF: 8077.2/35

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

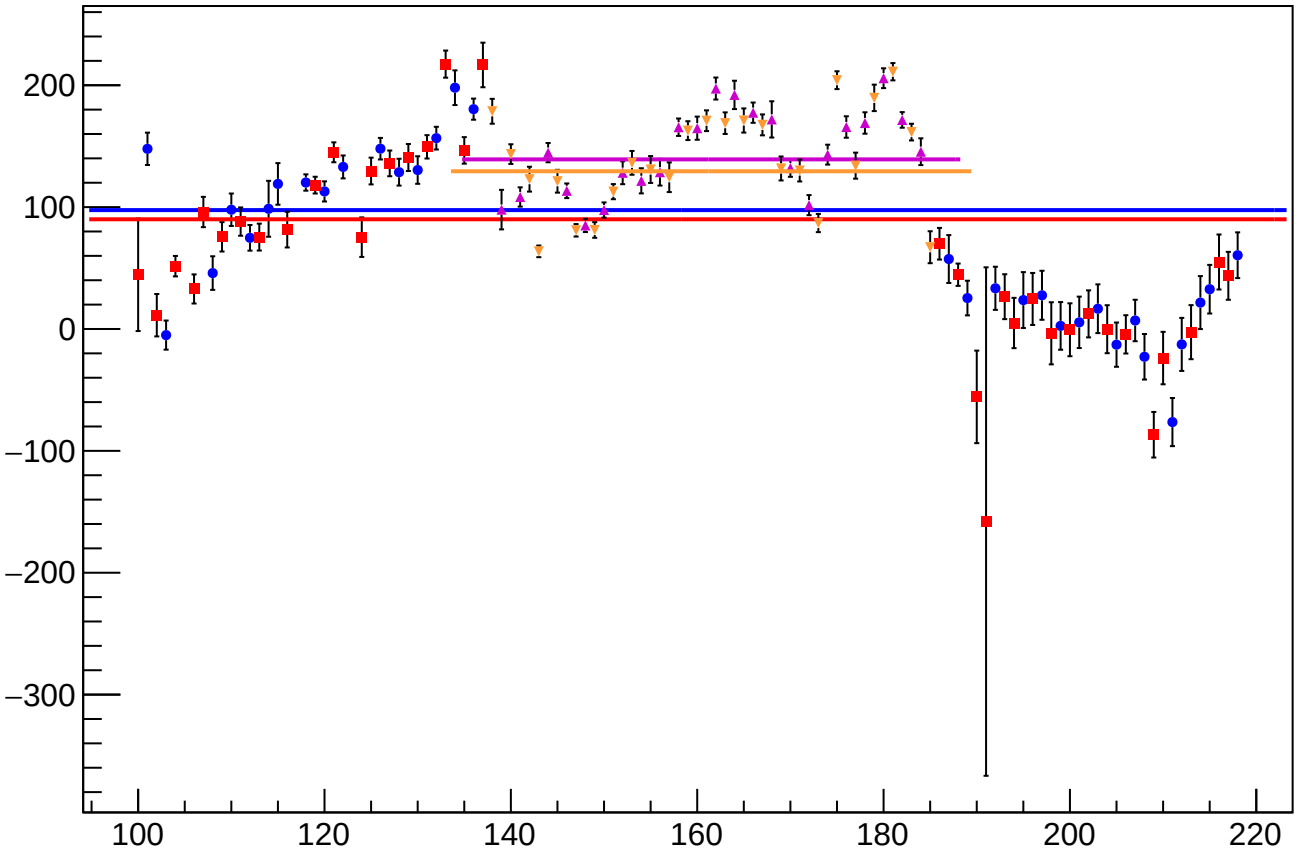
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 496.699+/-1.216 χ^2/NDF: 13055.4/67

In: 472.586+/-1.334 χ^2/NDF:7533.9/54

Out: 471.354+/-1.231 χ^2/NDF:12349.9/60

All: 471.921+/-0.905 χ^2/NDF: 19884.3/115



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: 90.008+/-2.208 χ^2/NDF: 757.4/35

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

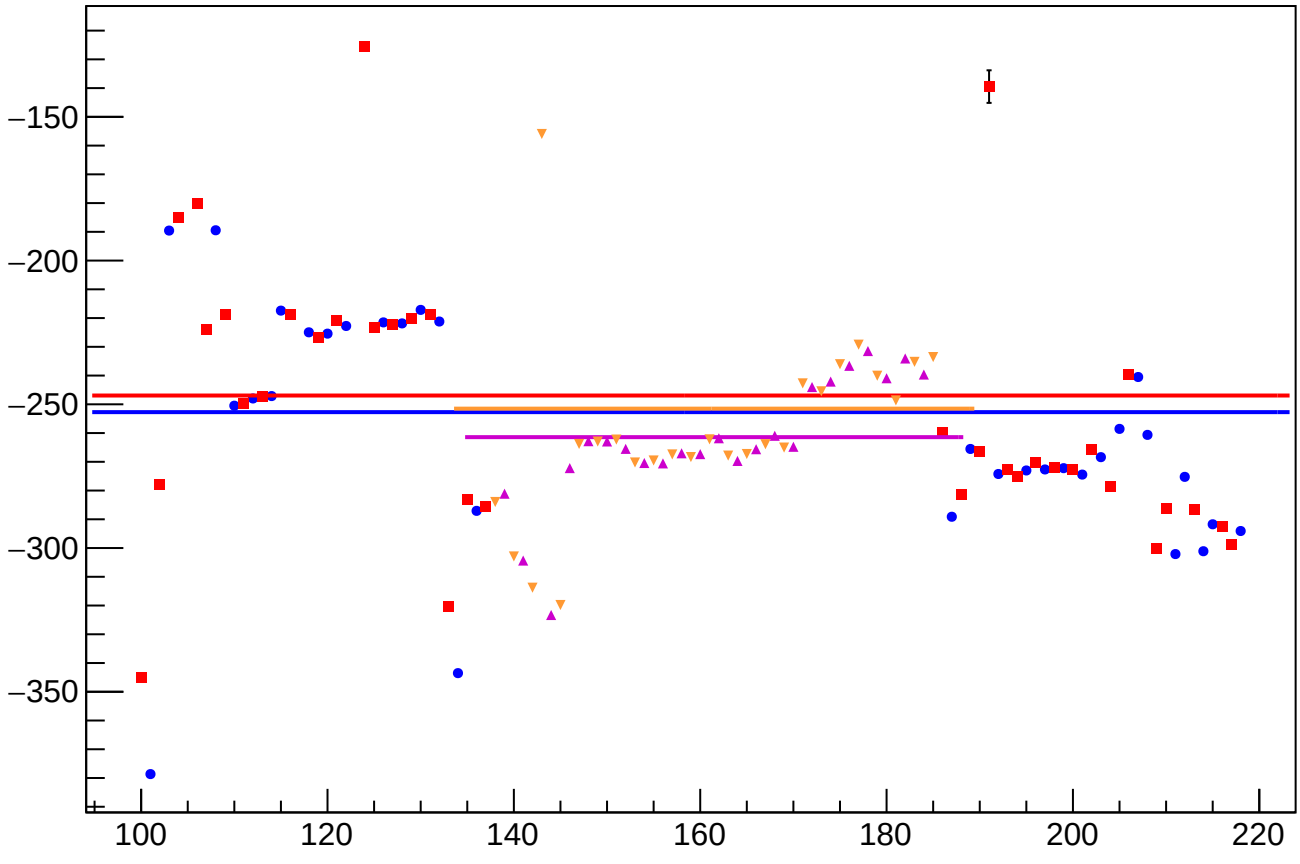
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 93.623+/-1.593 χ^2/NDF: 1492.1/67

In: 124.414+/-1.370 χ^2/NDF:1374.5/54

Out: 115.935+/-1.292 χ^2/NDF:1781.2/60

All: 119.926+/-0.940 χ^2/NDF: 3176.0/115



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: -246.942+/-0.114 χ^2/NDF: 122953.8/35

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

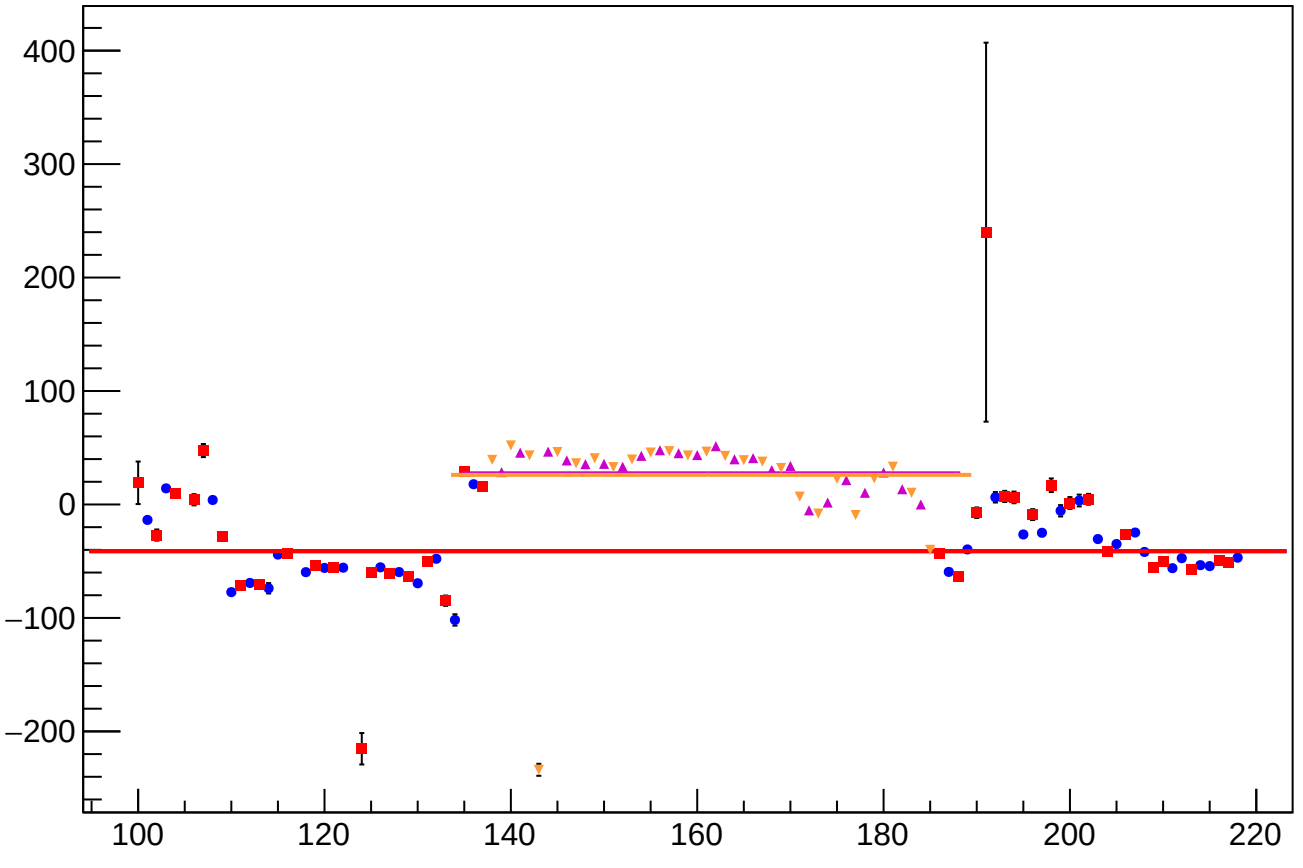
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -249.750+/-0.082 χ^2/NDF: 281132.1/67

In: -258.763+/-0.065 χ^2/NDF:230304.7/54

Out: -250.139+/-0.062 χ^2/NDF:379001.7/60

All: -254.284+/-0.045 χ^2/NDF: 618483.1/115



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: -41.156+/-0.492 χ^2/NDF: 3374.0/35

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

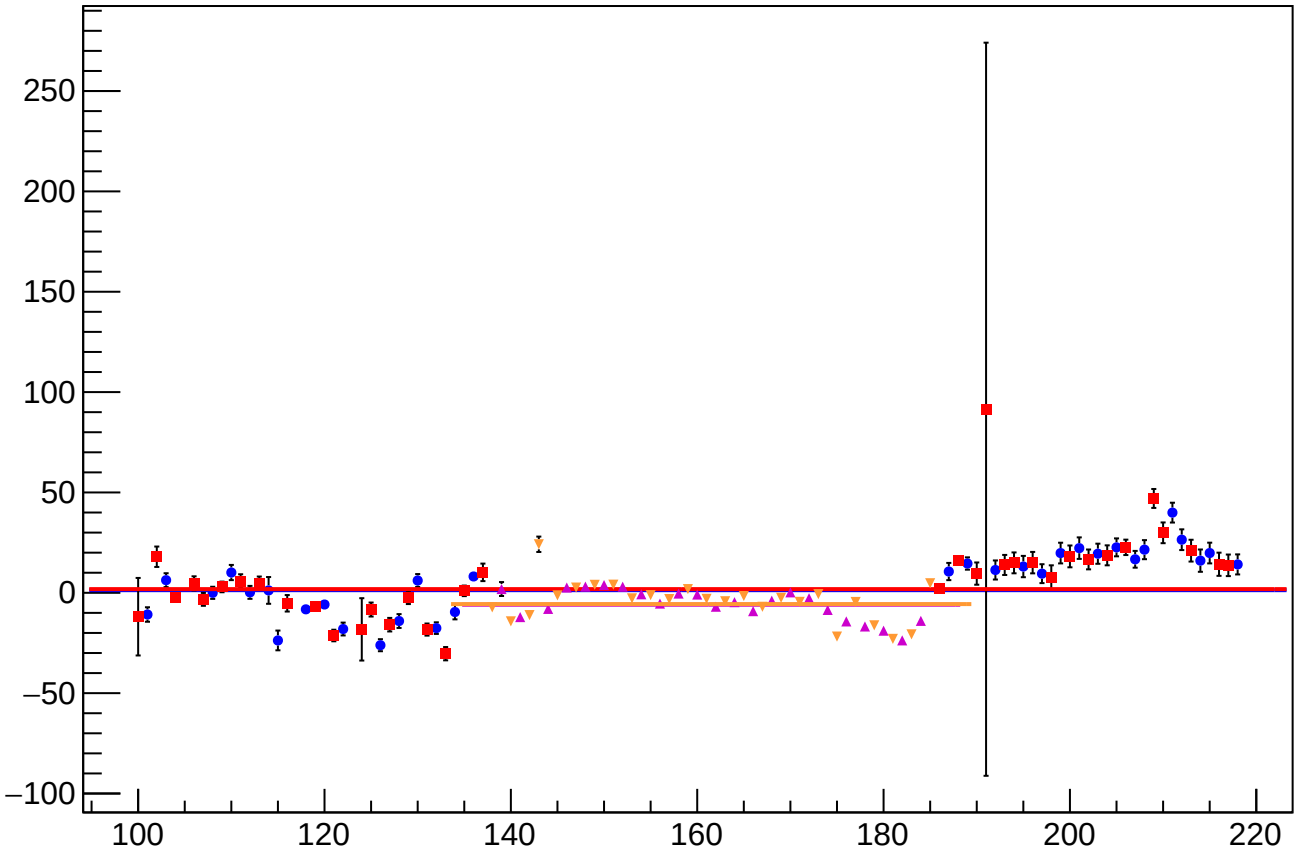
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -41.173+/-0.361 χ^2/NDF: 6219.9/67

In: 2.939+/-0.317 χ^2/NDF:15205.3/54

Out: 0.159+/-0.305 χ^2/NDF:19639.6/60

All: 1.496+/-0.220 χ^2/NDF: 34884.8/115



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: 1.838+/-0.595 χ^2/NDF: 556.8/35

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

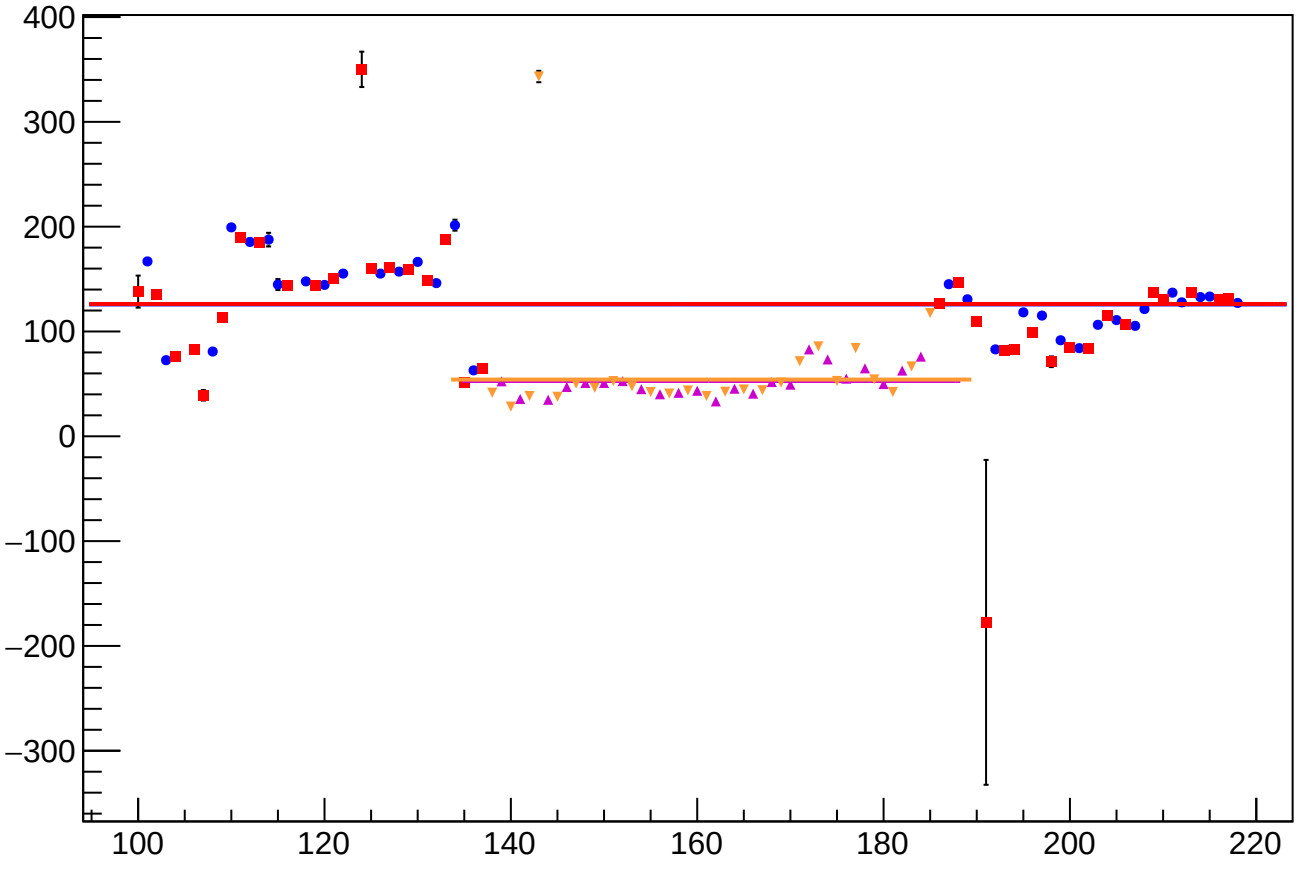
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: 1.590+/-0.433 χ^2/NDF: 1083.5/67

In: -4.541+/-0.278 χ^2/NDF:1344.7/54

Out: -4.098+/-0.269 χ^2/NDF:1575.1/60

All: -4.313+/-0.193 χ^2/NDF: 2921.2/115



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: 126.238+/-0.500 χ^2/NDF: 4459.9/35

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

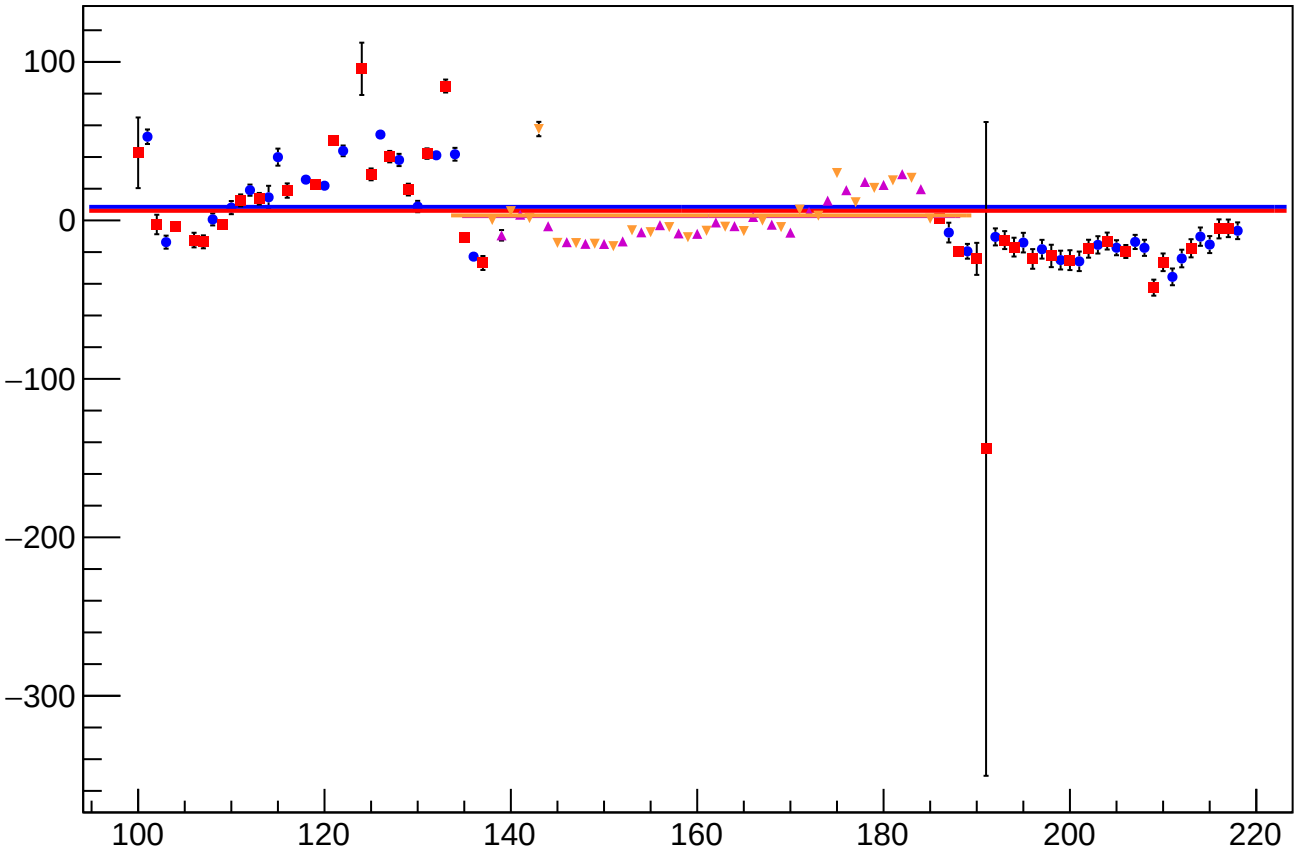
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 126.039+/-0.369 χ^2/NDF: 8608.9/67

In: 77.496+/-0.319 χ^2/NDF:16824.8/54

Out: 81.194+/-0.306 χ^2/NDF:22068.1/60

All: 79.423+/-0.221 χ^2/NDF: 38962.8/115



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: 6.056+/-0.701 χ^2/NDF: 1475.6/35

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

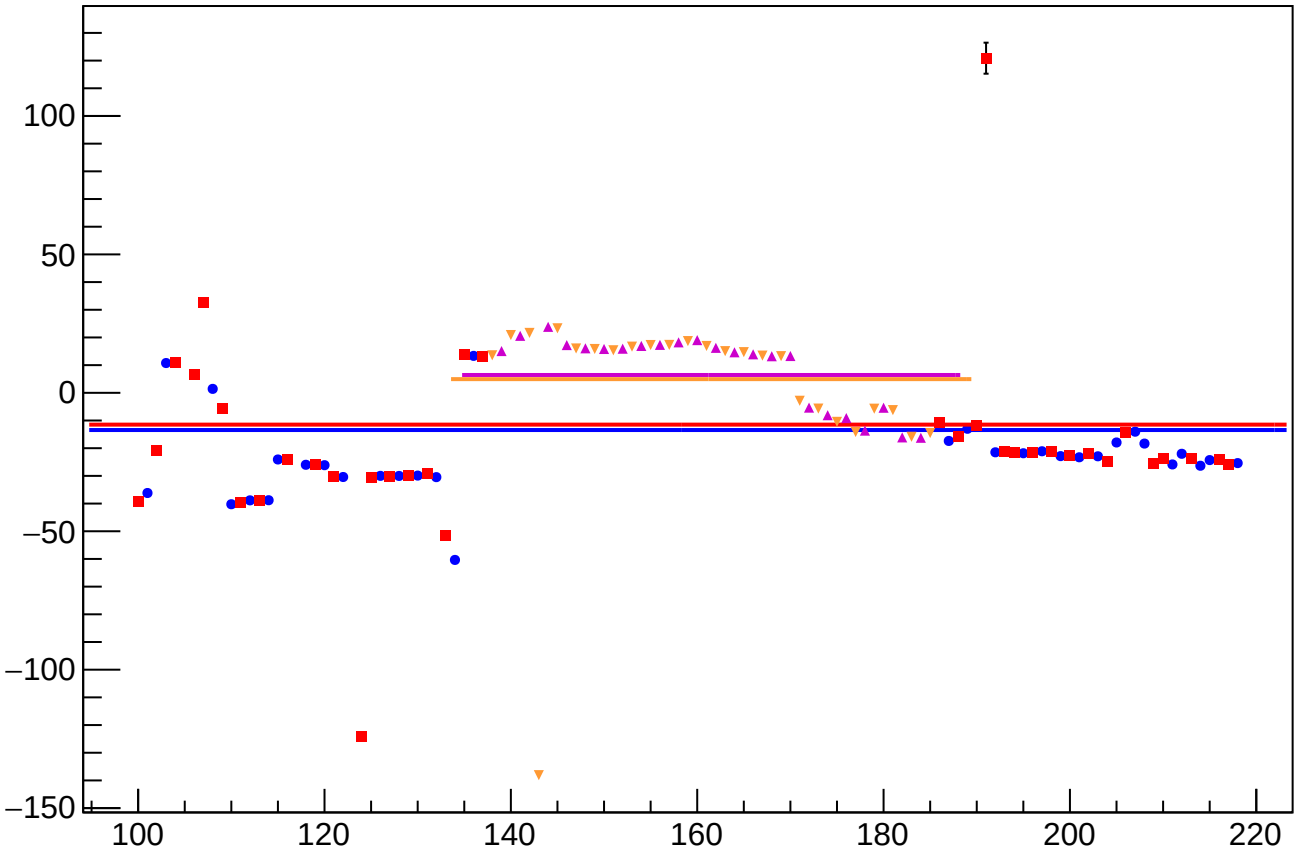
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 7.257+/-0.504 χ^2/NDF: 2882.5/67

In: 3.806+/-0.313 χ^2/NDF:3188.4/54

Out: 3.708+/-0.306 χ^2/NDF:3501.9/60

All: 3.755+/-0.219 χ^2/NDF: 6690.3/115



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: -11.486+/-0.035 χ^2/NDF: 285881.5/35

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

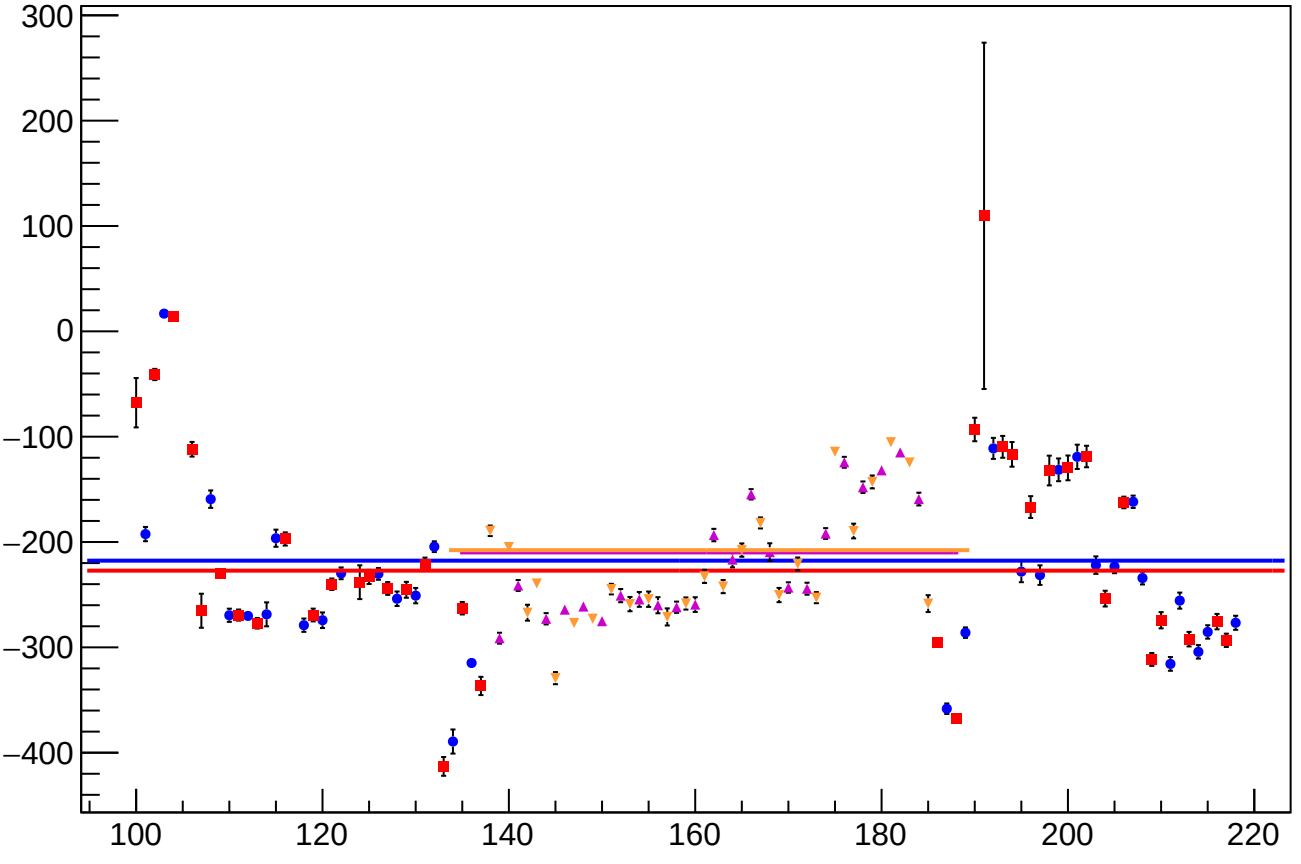
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -12.463+/-0.024 χ^2/NDF: 592919.4/67

In: 3.184+/-0.014 χ^2/NDF:1310686.0/54

Out: 2.286+/-0.014 χ^2/NDF:1611149.9/60

All: 2.732+/-0.010 χ^2/NDF: 2923903.0/115



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: -227.184+/-1.026 χ^2/NDF: 12824.2/35

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

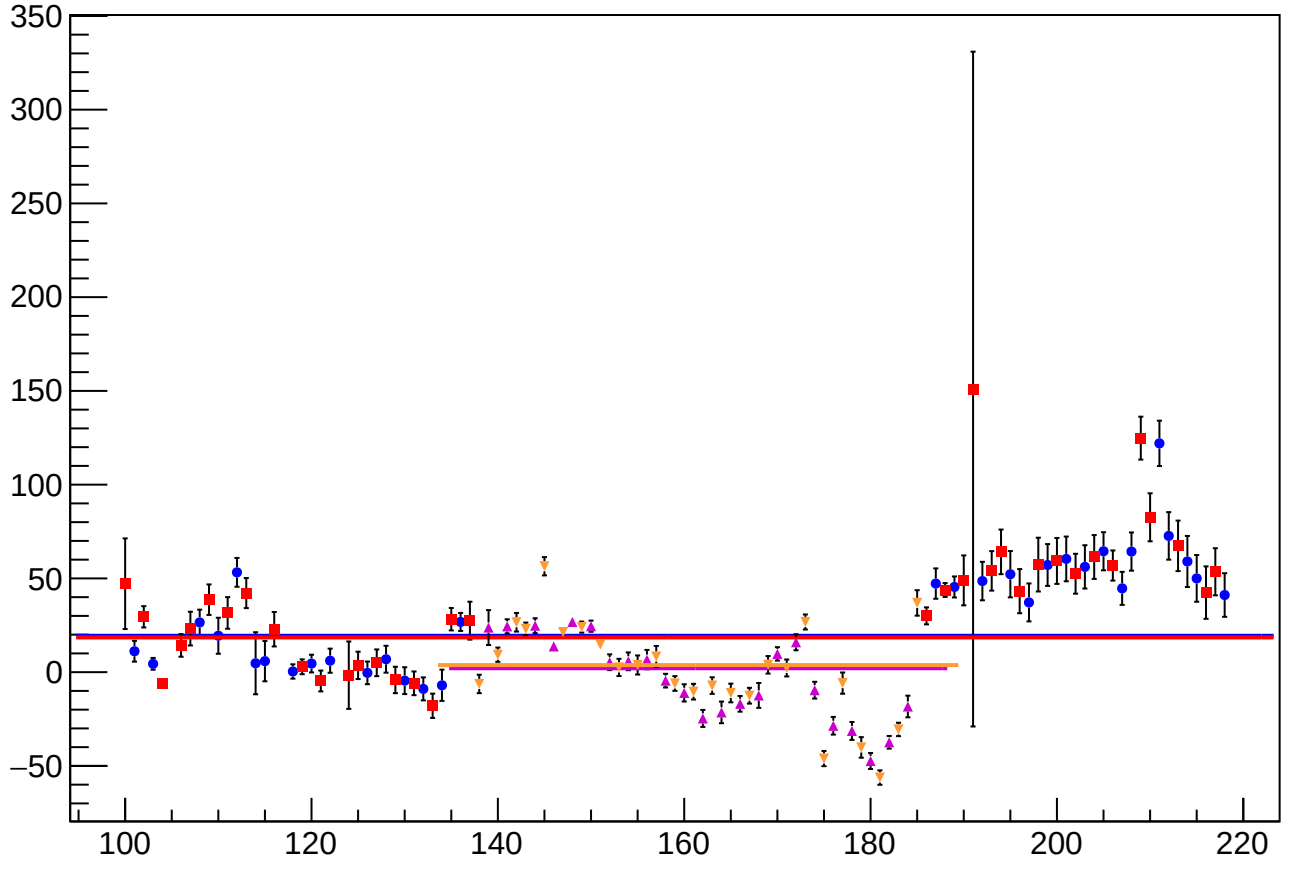
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -222.751+/-0.749 χ^2/NDF: 22392.3/67

In: -213.799+/-0.777 χ^2/NDF:12565.2/54

Out: -217.875+/-0.740 χ^2/NDF:16483.4/60

All: -215.935+/-0.536 χ^2/NDF: 29063.0/115



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: 18.511+/-1.140 χ^2/NDF: 518.9/35

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

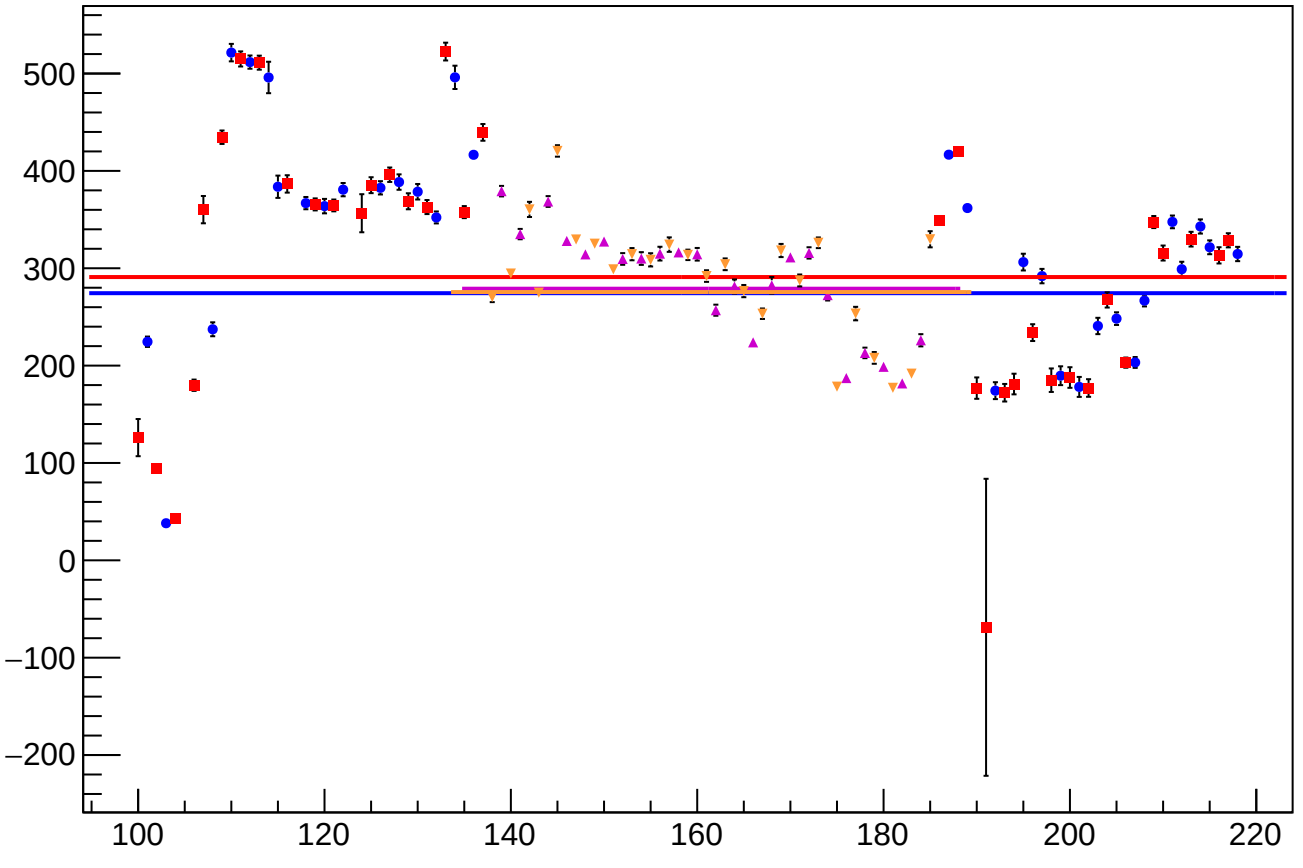
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 18.919+/-0.841 χ^2/NDF: 904.6/67

In: 7.313+/-0.685 χ^2/NDF:1290.4/54

Out: 8.529+/-0.648 χ^2/NDF:1604.2/60

All: 7.955+/-0.471 χ^2/NDF: 2896.3/115



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: 290.965+/-0.974 χ^2/NDF: 22326.2/35

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

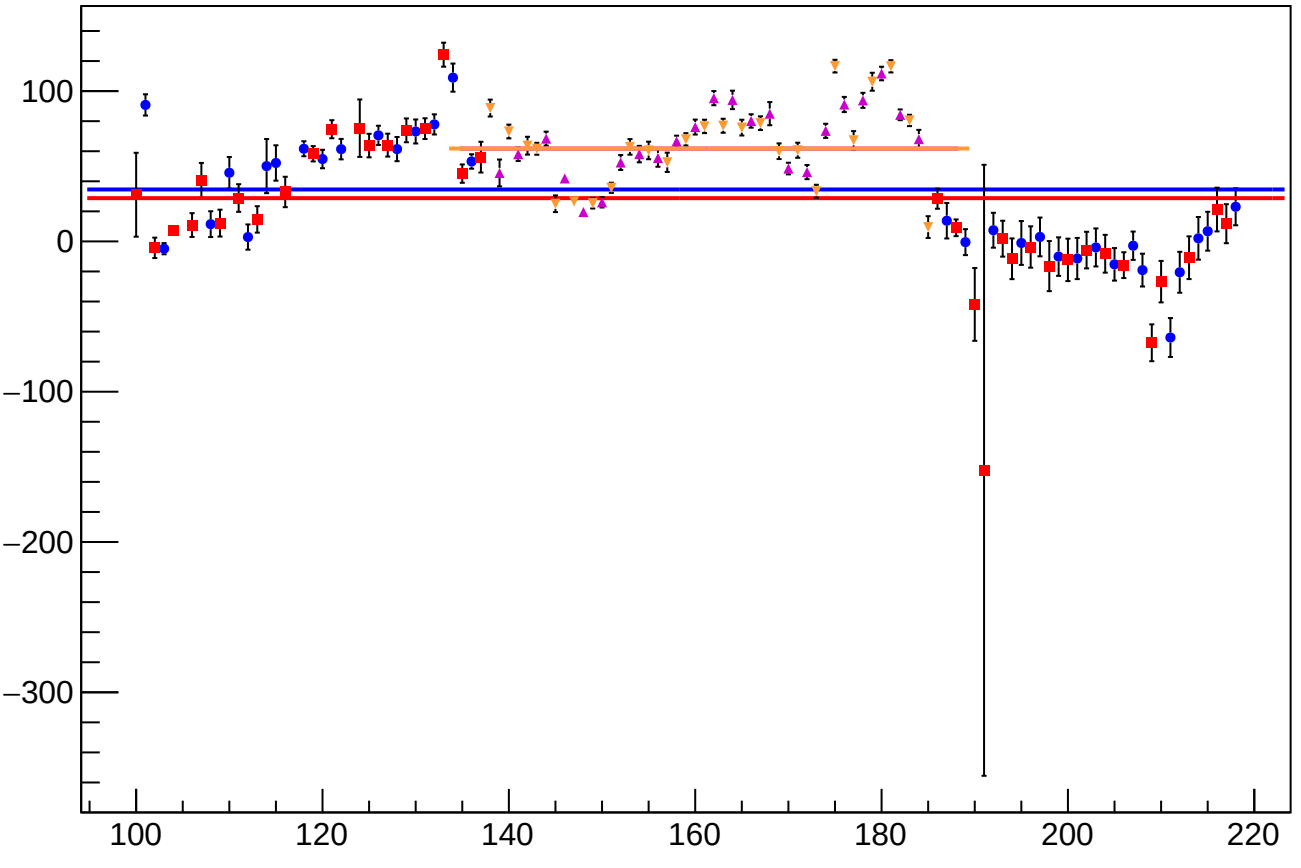
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 283.462+/-0.720 χ^2/NDF: 40536.6/67

In: 276.651+/-0.763 χ^2/NDF:21202.9/54

Out: 283.920+/-0.718 χ^2/NDF:25764.1/60

All: 280.510+/-0.523 χ^2/NDF: 47015.1/115



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: 28.777+/-1.374 χ^2/NDF: 646.7/35

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

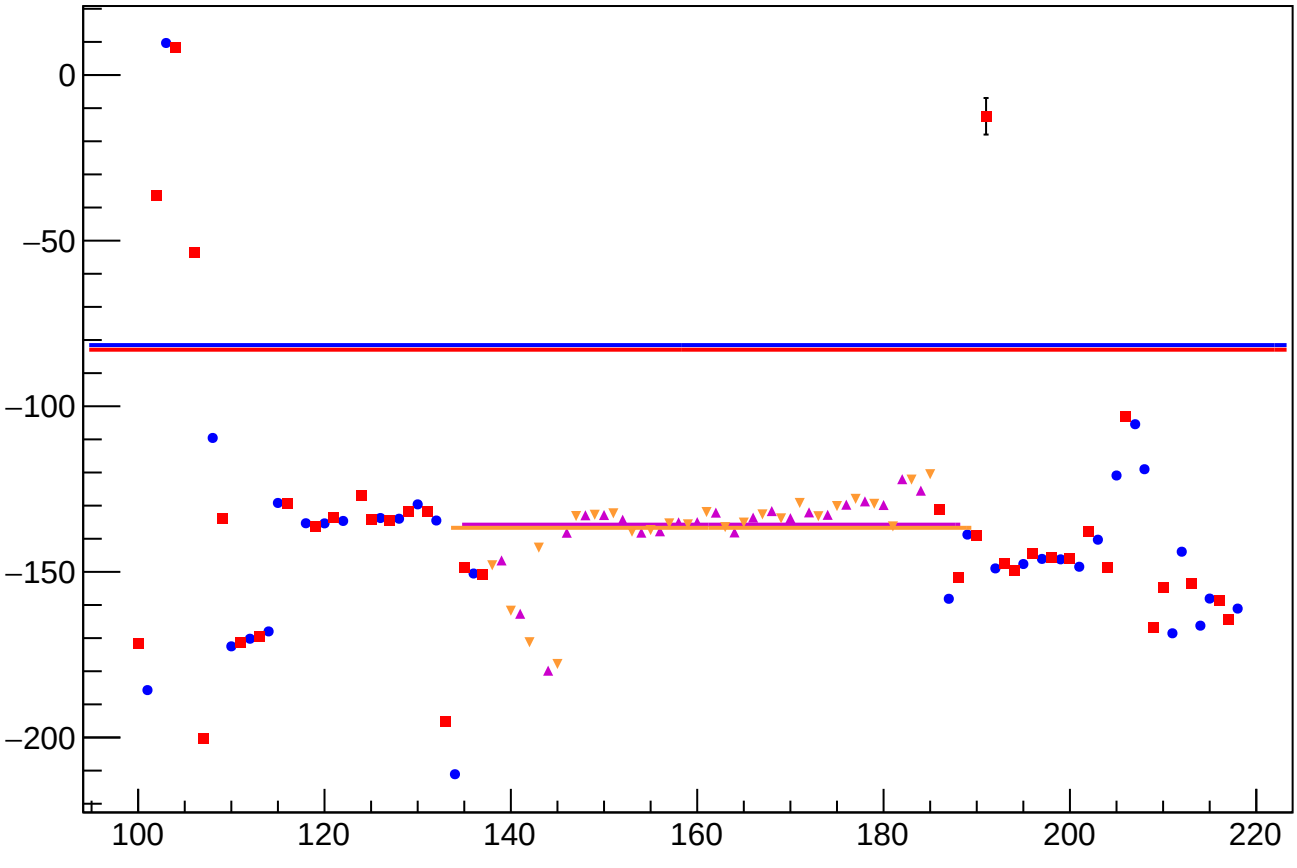
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 31.506+/-0.999 χ^2/NDF: 1313.1/67

In: 53.761+/-0.789 χ^2/NDF:1641.1/54

Out: 51.781+/-0.757 χ^2/NDF:2008.9/60

All: 52.731+/-0.546 χ^2/NDF: 3653.3/115



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: -82.925+/-0.062 χ^2/NDF: 1282615.0/35

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

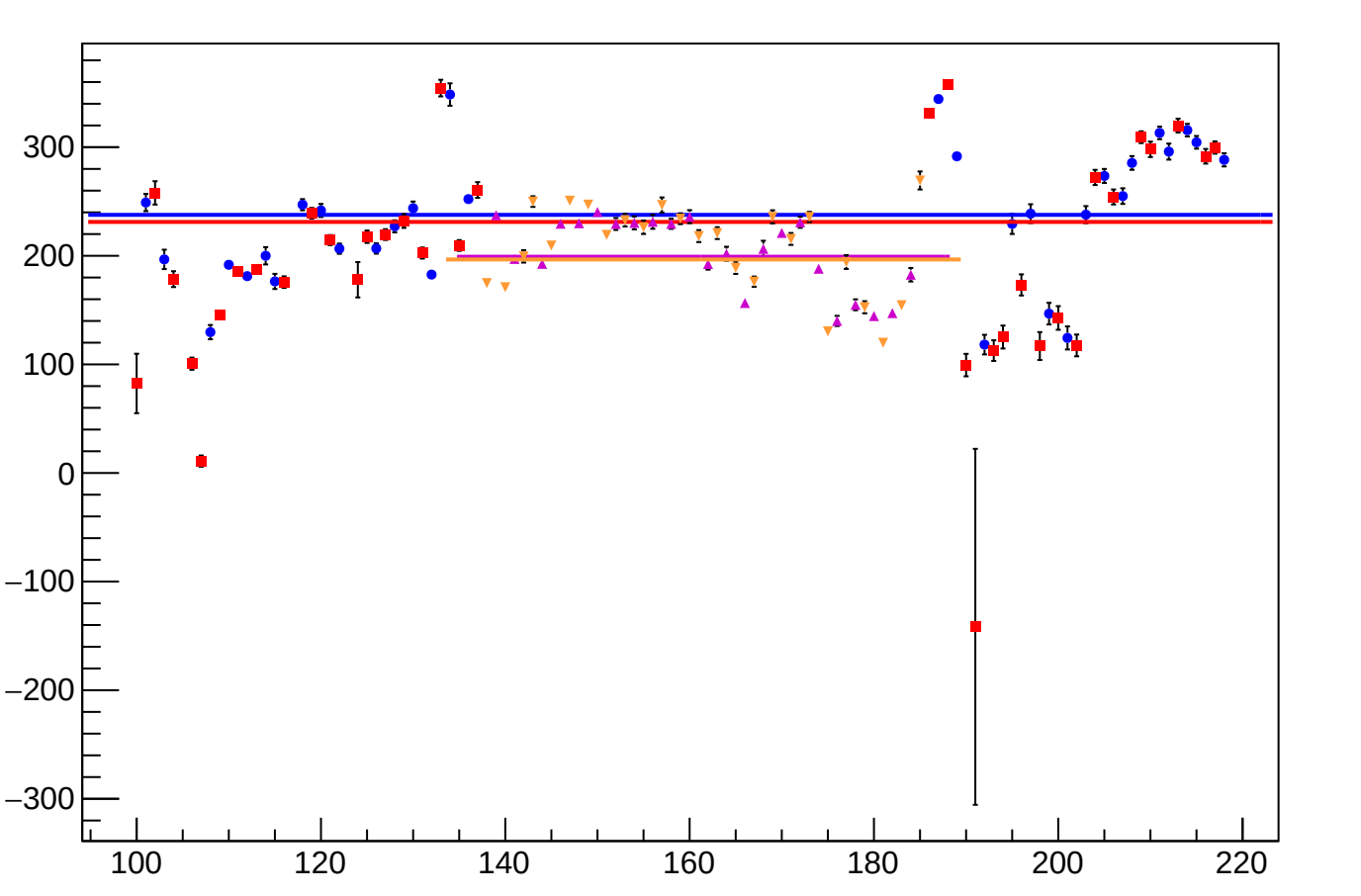
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -82.224+/-0.044 χ^2/NDF: 2879127.9/67

In: -118.133+/-0.035 χ^2/NDF:2181083.0/54

Out: -119.687+/-0.035 χ^2/NDF:1873993.5/60

All: -118.915+/-0.025 χ^2/NDF: 4056060.2/11



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: 231.184+/-0.921 χ^2/NDF: 8972.0/35

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

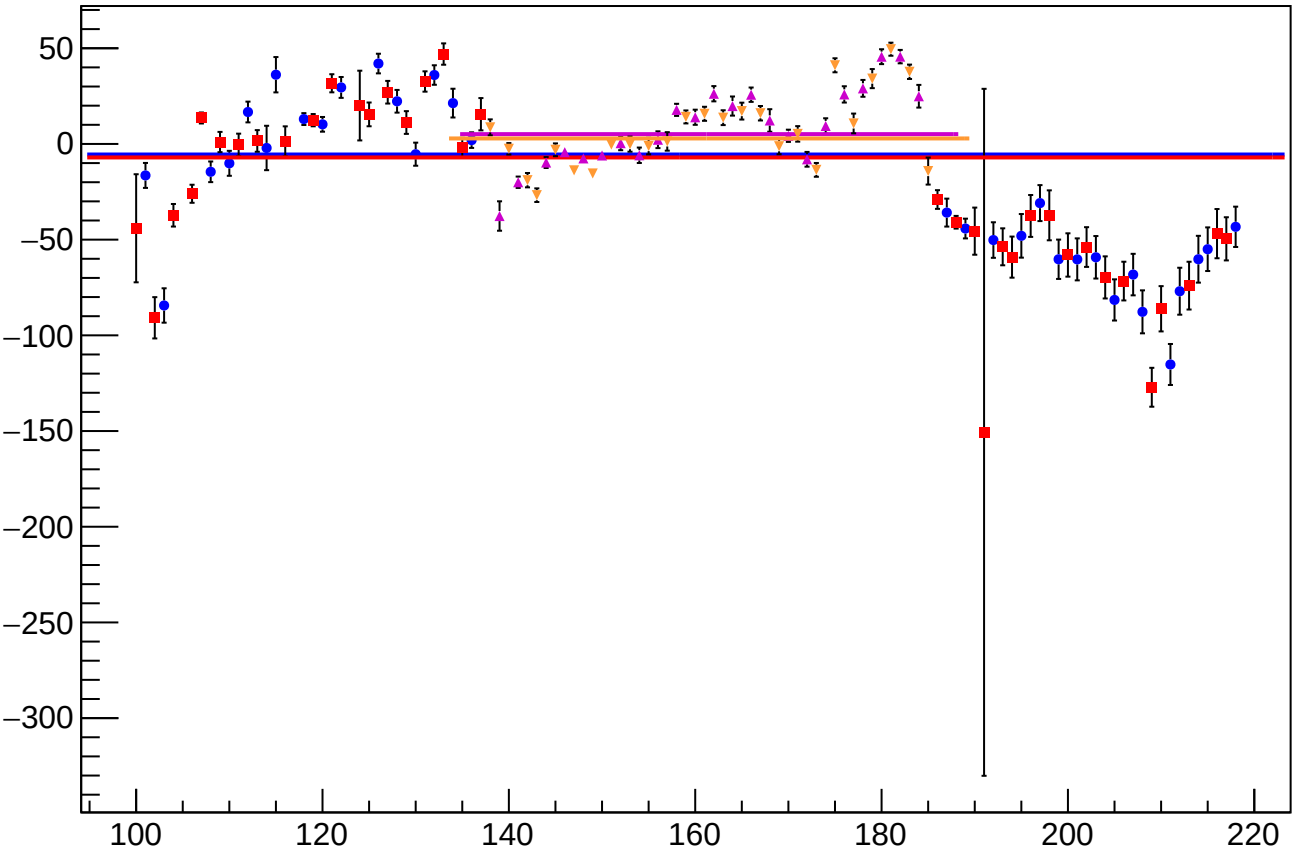
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 234.123+/-0.683 χ^2/NDF: 11979.7/67

In: 217.580+/-0.703 χ^2/NDF:5030.4/54

Out: 214.360+/-0.660 χ^2/NDF:11732.4/60

All: 215.870+/-0.481 χ^2/NDF: 16773.9/115



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: -7.054+/-1.047 χ^2/NDF: 1029.0/35

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

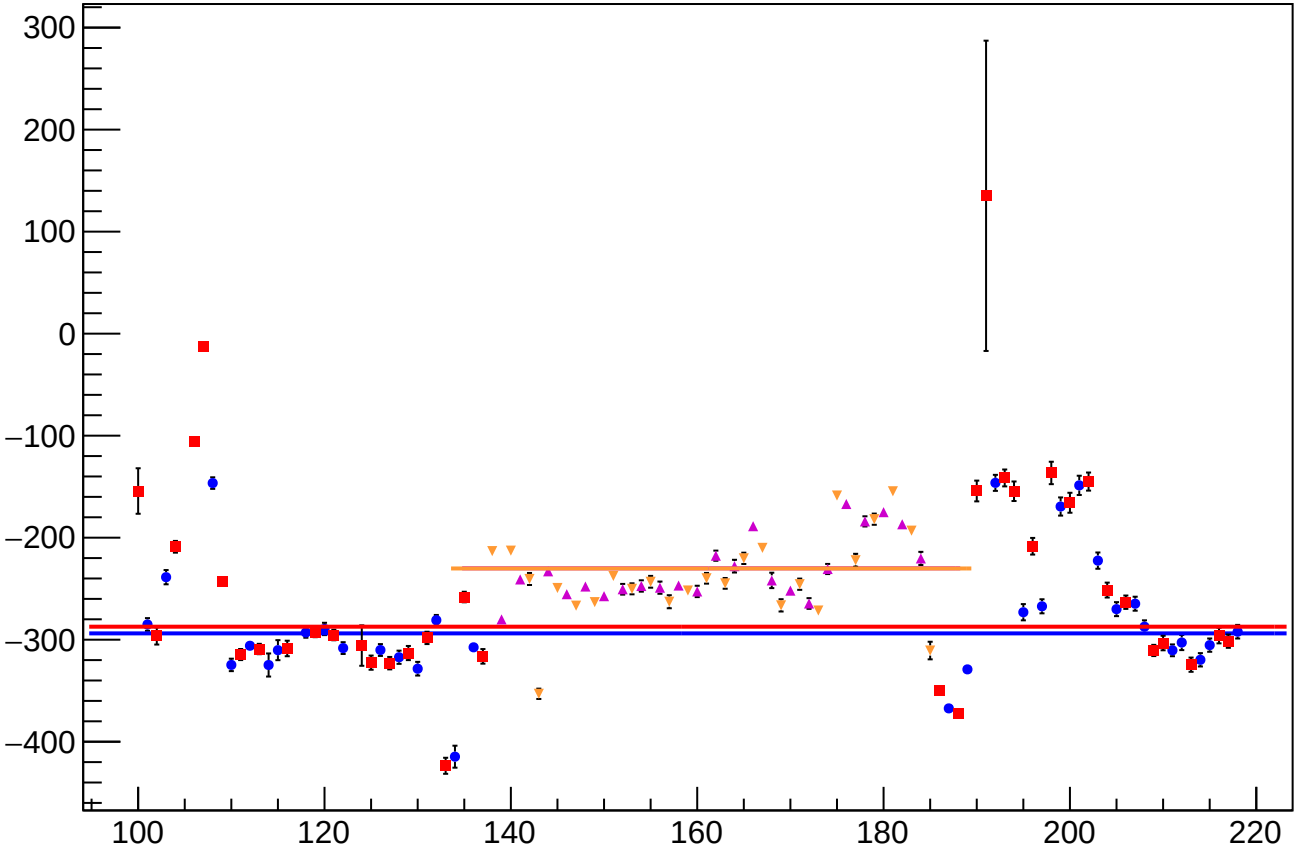
Right: -6.368+/-0.778 χ^2/NDF: 1956.6/67

In: 2.187+/-0.611 χ^2/NDF:1616.0/54

Out: -0.153+/-0.578 χ^2/NDF:1844.2/60

All: 0.952+/-0.420 χ^2/NDF: 3468.0/115

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -287.255+/-0.935 χ^2/NDF: 9981.1/35

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

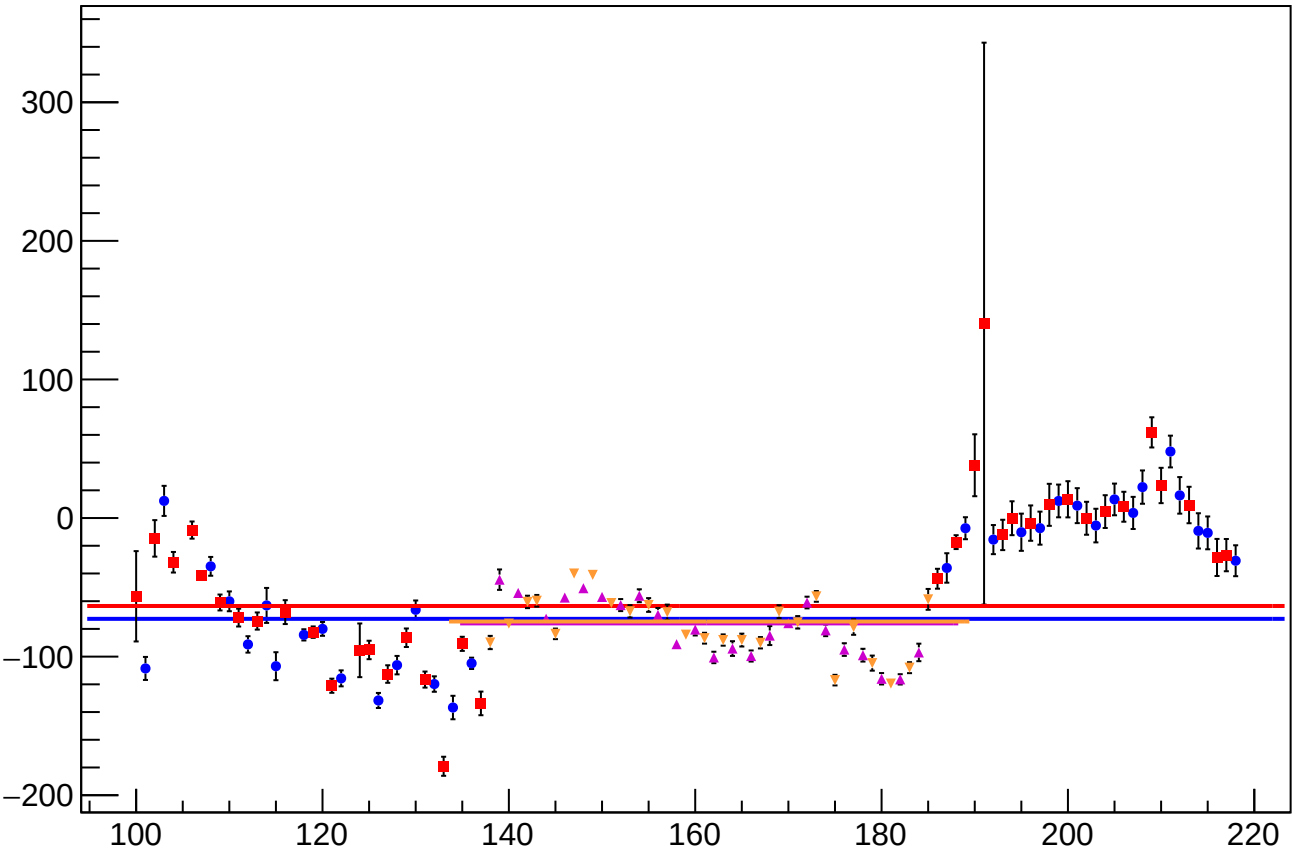
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -290.118+/-0.702 χ^2/NDF: 12413.2/67

In: -258.717+/-0.713 χ^2/NDF:5484.5/54

Out: -258.831+/-0.663 χ^2/NDF:14017.5/60

All: -258.778+/-0.485 χ^2/NDF: 19502.0/115



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: -63.462+/-1.248 χ^2/NDF: 1434.7/35

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

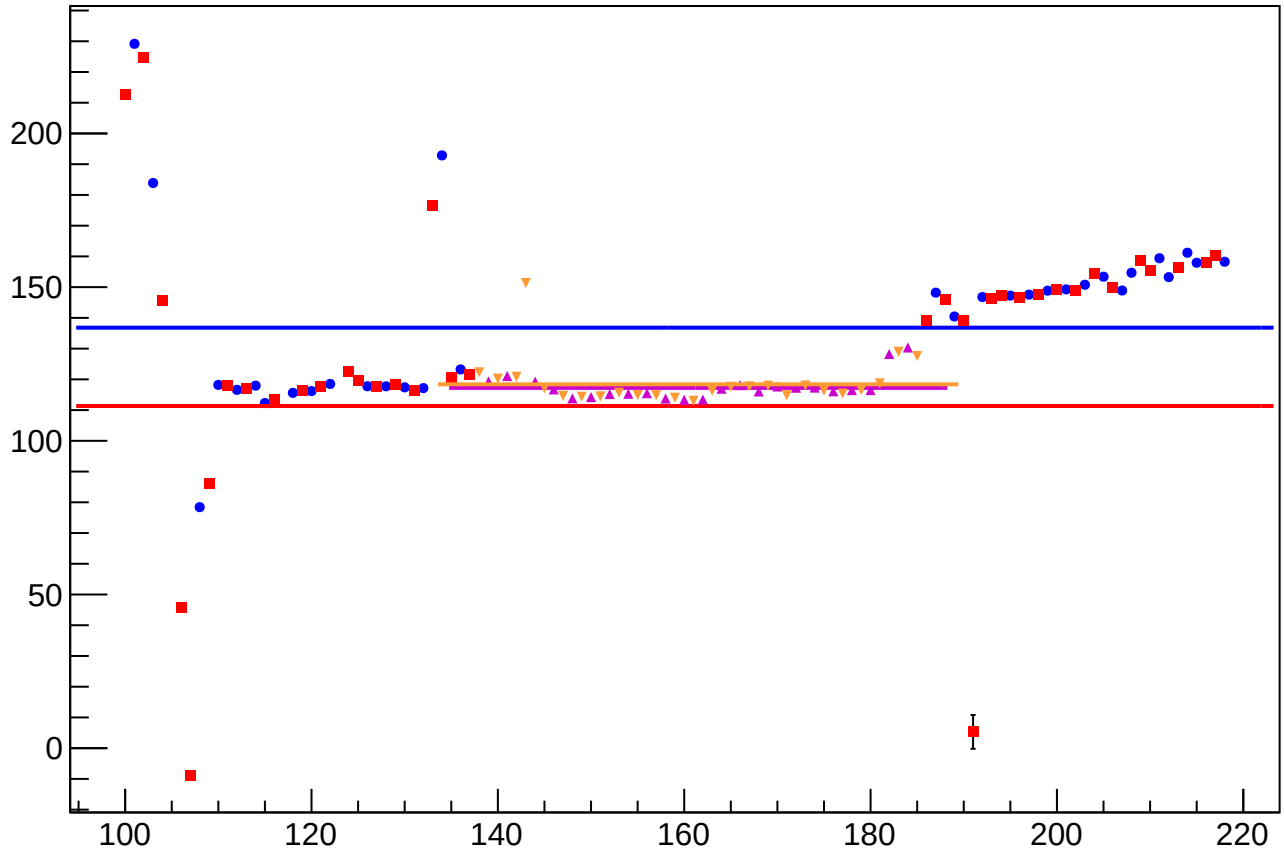
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -67.735+/-0.917 χ^2/NDF: 2667.7/67

In: -75.134+/-0.704 χ^2/NDF:1857.9/54

Out: -71.383+/-0.674 χ^2/NDF:2322.6/60

All: -73.178+/-0.487 χ^2/NDF: 4195.3/115



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: 111.323+/-0.064 χ^2/NDF: 790577.4/35

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

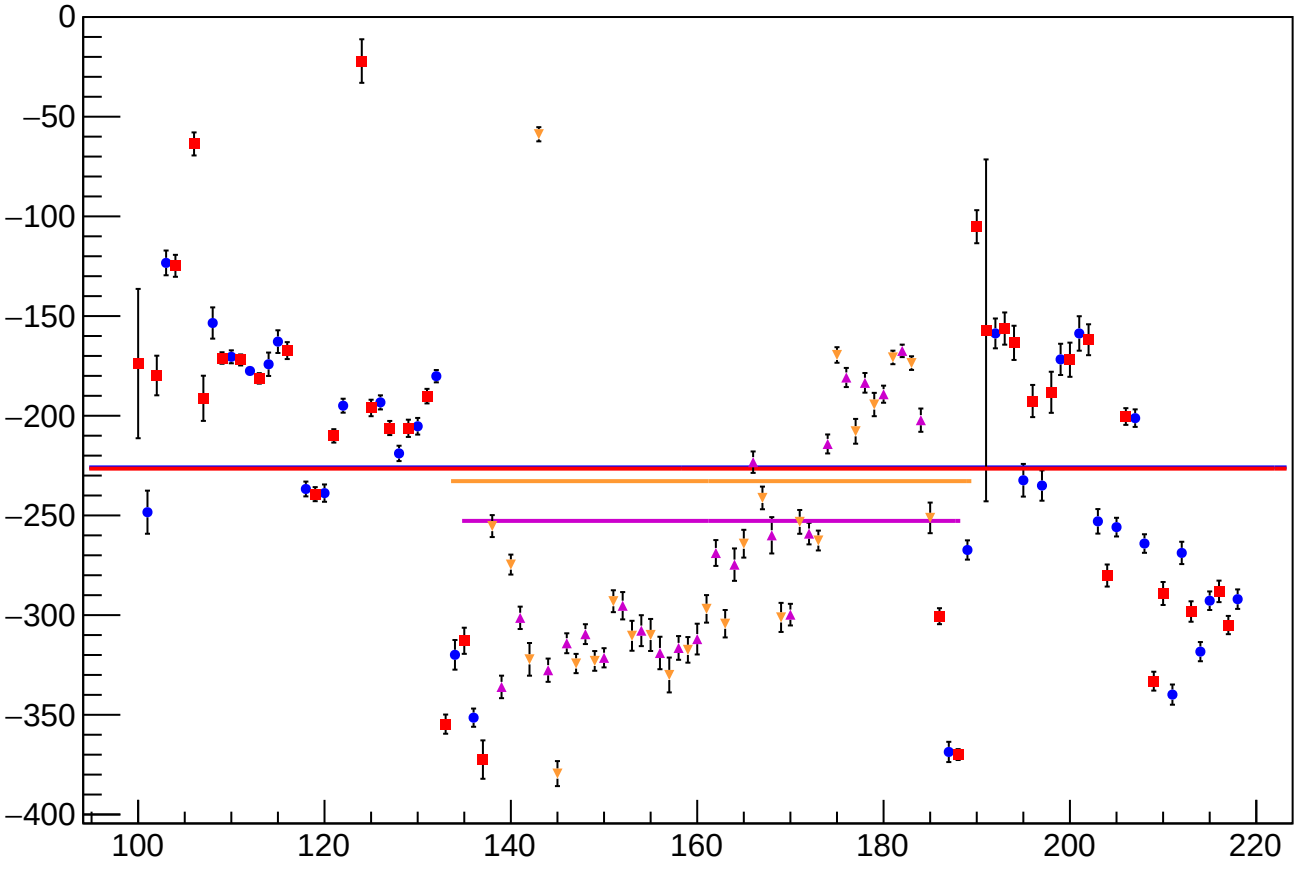
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 122.900+/-0.047 χ^2/NDF: 1069951.9/67

In: 121.610+/-0.033 χ^2/NDF:278002.5/54

Out: 116.588+/-0.032 χ^2/NDF:834628.6/60

All: 119.027+/-0.023 χ^2/NDF: 1124450.2/115



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: -226.520+/-0.783 χ^2/NDF: 9086.4/35

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

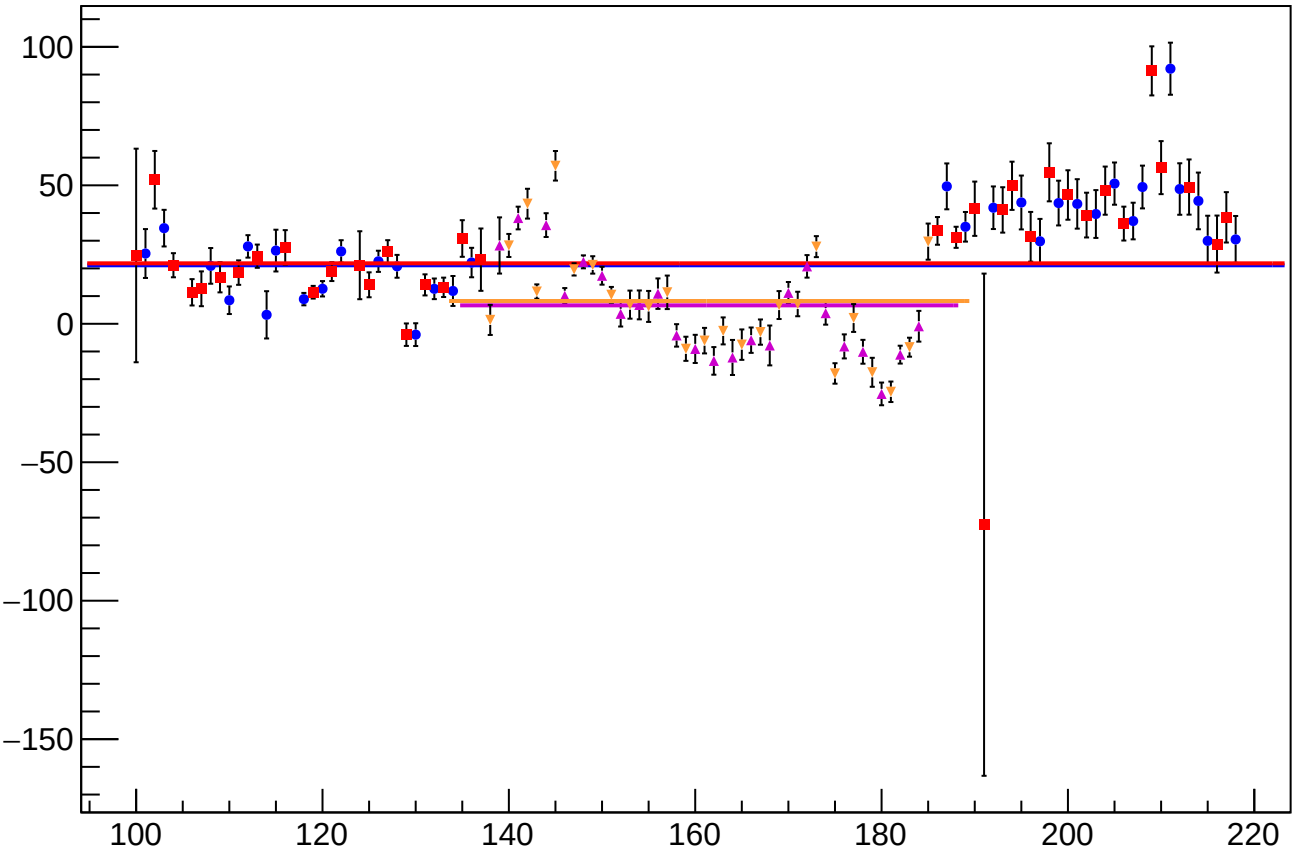
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -226.231+/-0.566 χ^2/NDF: 14206.1/67

In: -235.160+/-0.664 χ^2/NDF:8402.1/54

Out: -228.703+/-0.632 χ^2/NDF:14872.7/60

All: -231.773+/-0.458 χ^2/NDF: 23324.5/115



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: 21.834+/-0.904 χ^2/NDF: 252.4/35

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

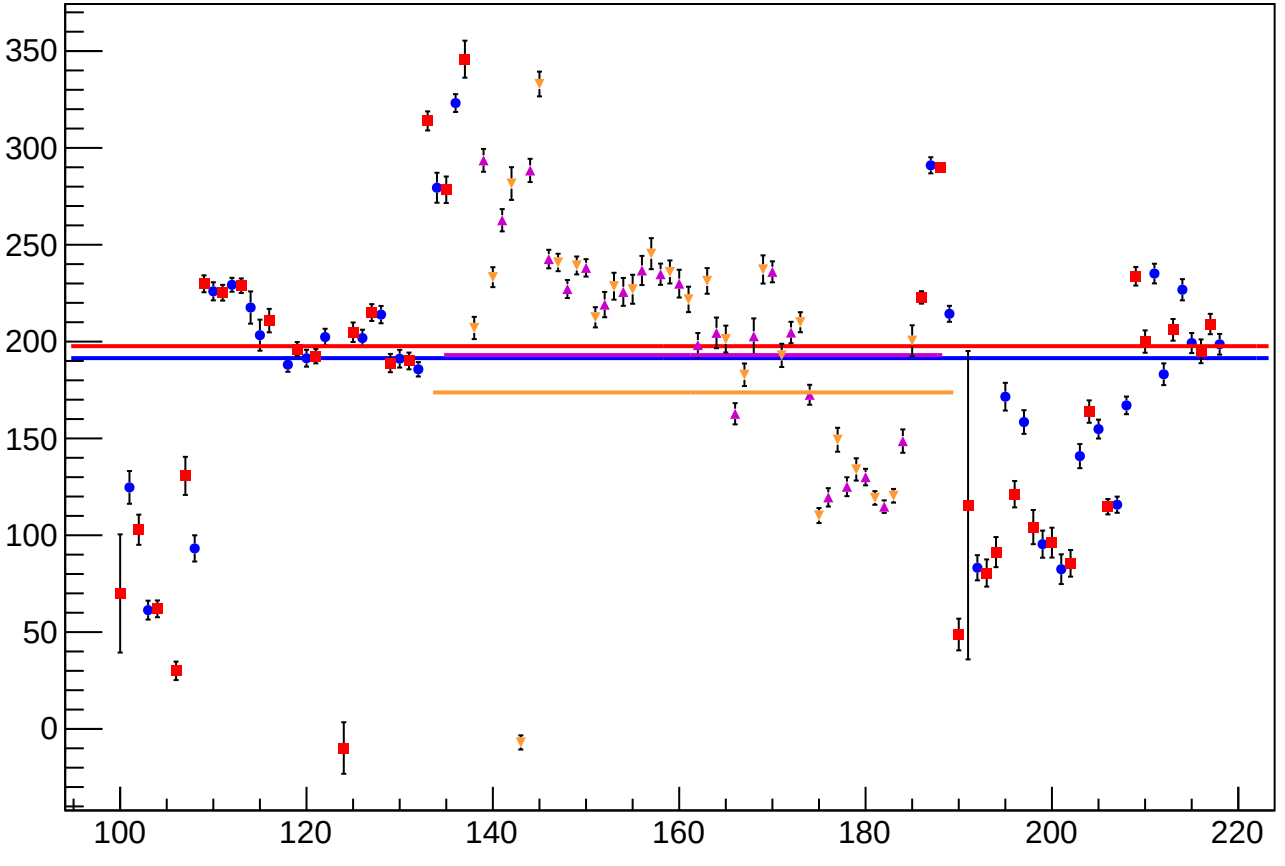
Right: 21.490+/-0.648 χ^2/NDF: 515.6/67

In: 13.324+/-0.630 χ^2/NDF:748.6/54

Out: 14.221+/-0.600 χ^2/NDF:837.0/60

All: 13.794+/-0.435 χ^2/NDF: 1586.7/115

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 197.632+/-0.832 χ^2/NDF: 7617.0/35

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

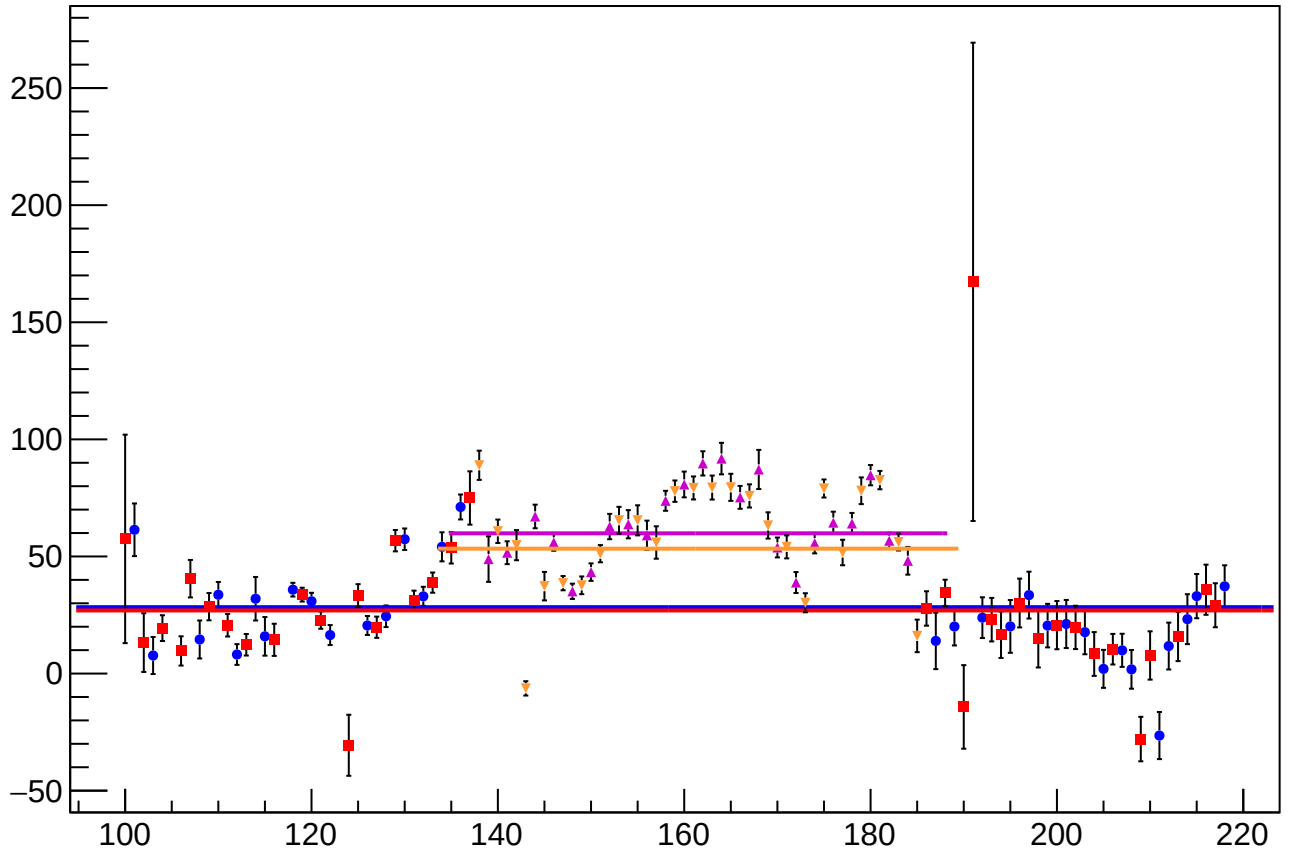
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 194.742+/-0.607 χ^2/NDF: 11694.8/67

In: 192.062+/-0.696 χ^2/NDF:6565.2/54

Out: 188.618+/-0.657 χ^2/NDF:13188.6/60

All: 190.240+/-0.477 χ^2/NDF: 19766.8/115



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: 26.953+/-1.057 χ^2/NDF: 206.1/35

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

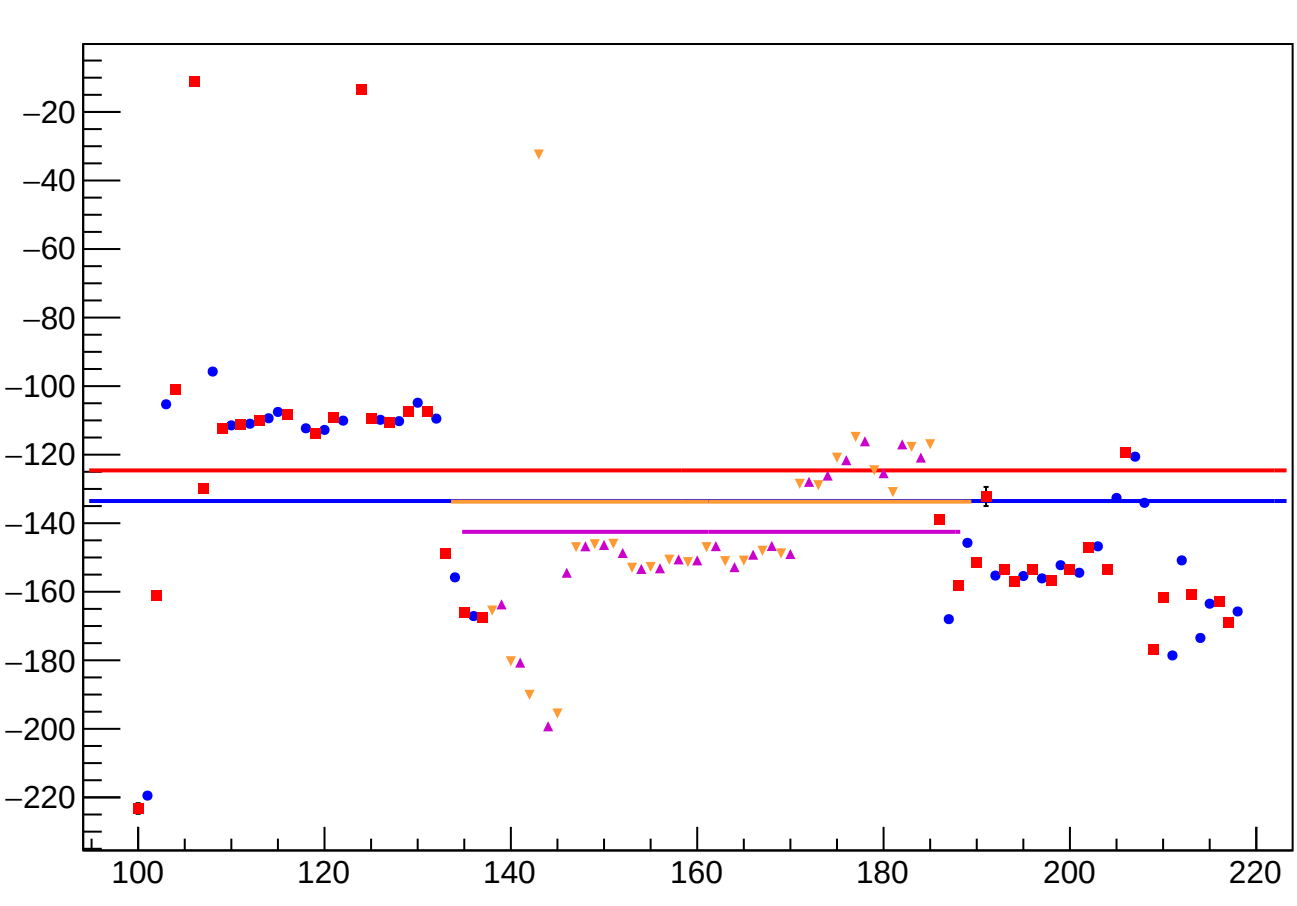
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 27.636+/-0.754 χ^2/NDF: 459.5/67

In: 45.638+/-0.723 χ^2/NDF:974.8/54

Out: 41.938+/-0.695 χ^2/NDF:1338.8/60

All: 43.713+/-0.501 χ^2/NDF: 2327.1/115



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: -124.595+/-0.057 χ^2/NDF: 533116.5/35

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

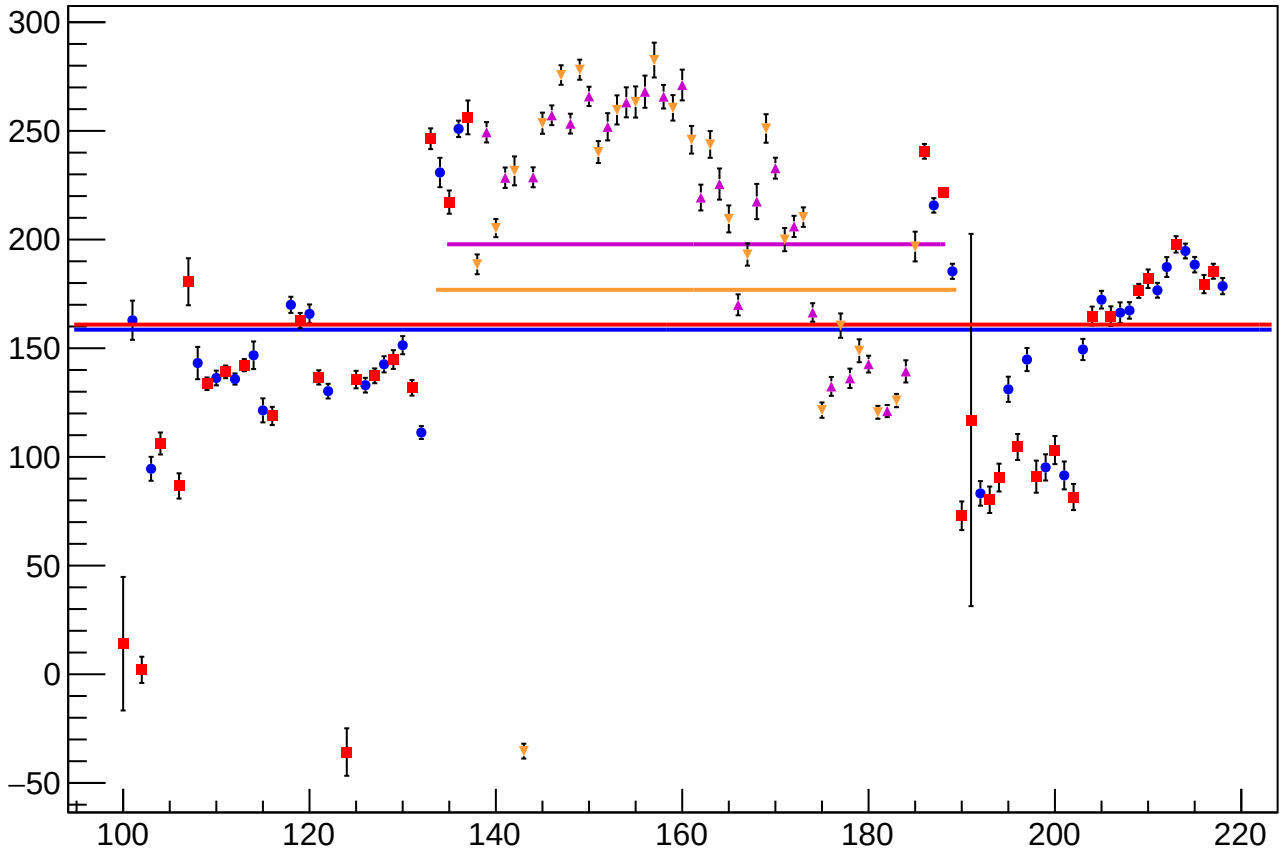
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -128.902+/-0.041 χ^2/NDF: 744302.1/67

In: -139.271+/-0.036 χ^2/NDF:392630.5/54

Out: -130.421+/-0.034 χ^2/NDF:1225377.4/60

All: -134.687+/-0.025 χ^2/NDF: 1650199.9/11



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: 160.876+/-0.686 χ^2/NDF: 5256.0/35

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

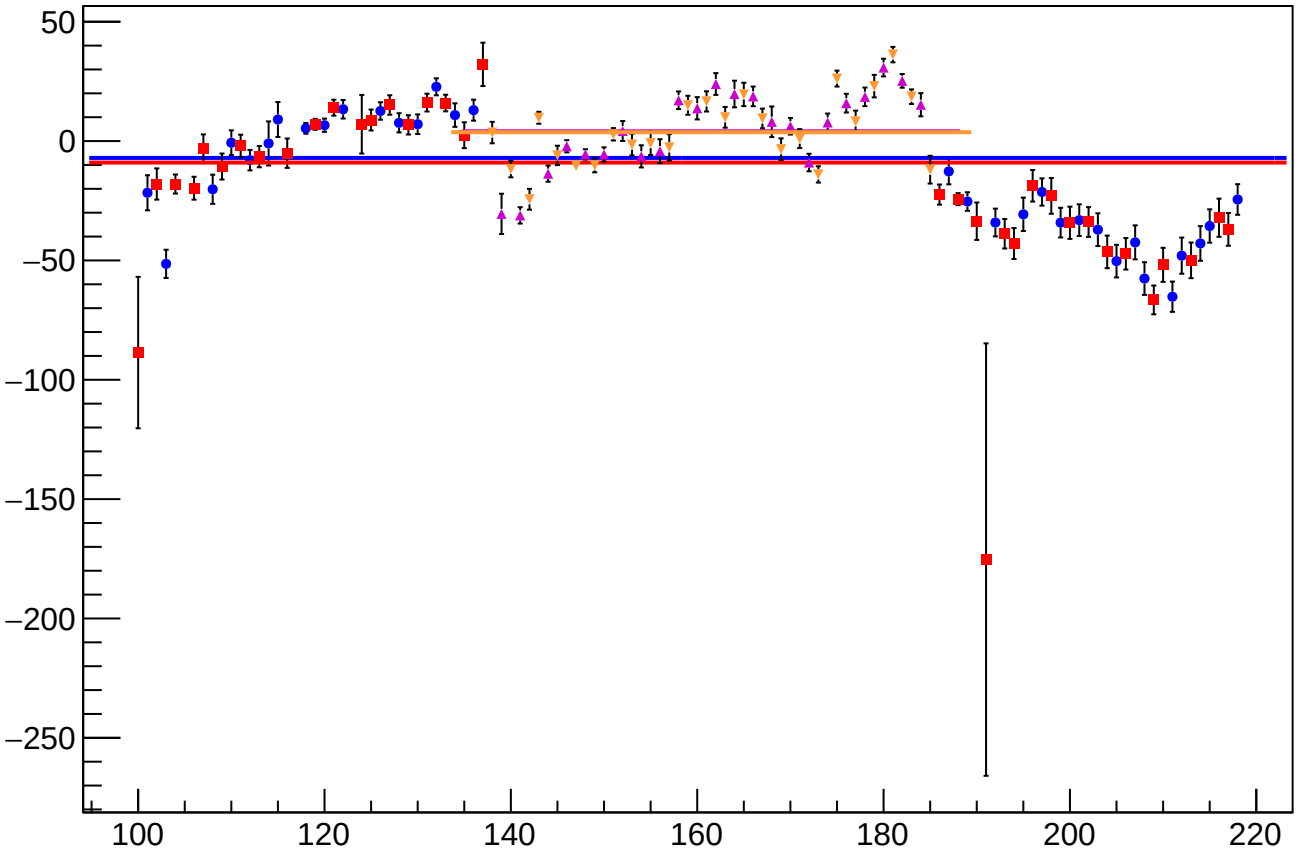
Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

Right: 159.775+/-0.499 χ^2/NDF: 7780.4/67

In: 171.983+/-0.588 χ^2/NDF:6489.9/54

Out: 166.308+/-0.558 χ^2/NDF:12865.4/60

All: 168.993+/-0.405 χ^2/NDF: 19404.4/115



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: -8.999+/-0.818 χ^2/NDF: 702.0/35

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

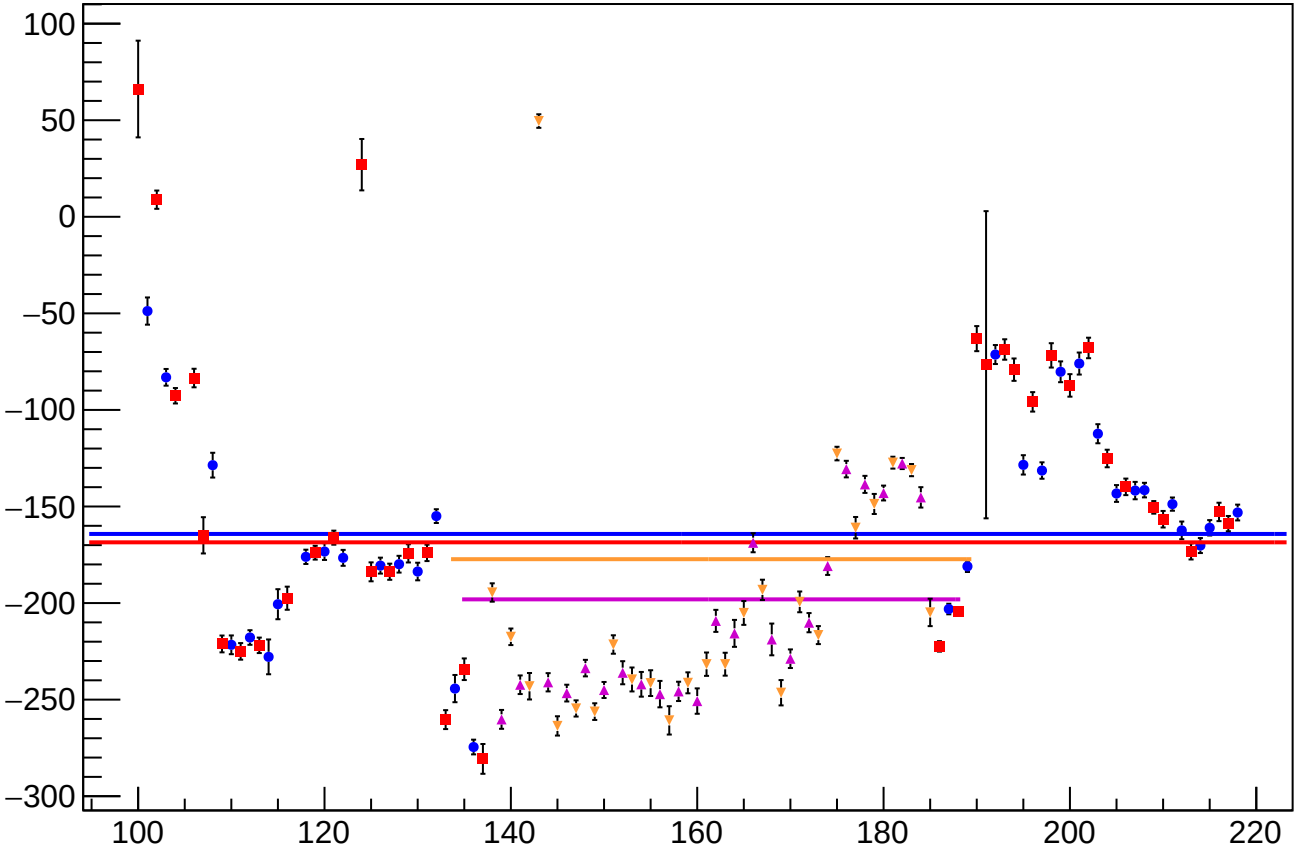
Right: -8.065+/-0.590 χ^2/NDF: 1413.8/67

In: -0.907+/-0.571 χ^2/NDF:1202.6/54

Out: -1.867+/-0.542 χ^2/NDF:1238.3/60

All: -1.411+/-0.393 χ^2/NDF: 2442.4/115

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: -168.554+/-0.695 χ^2/NDF: 6711.3/35

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

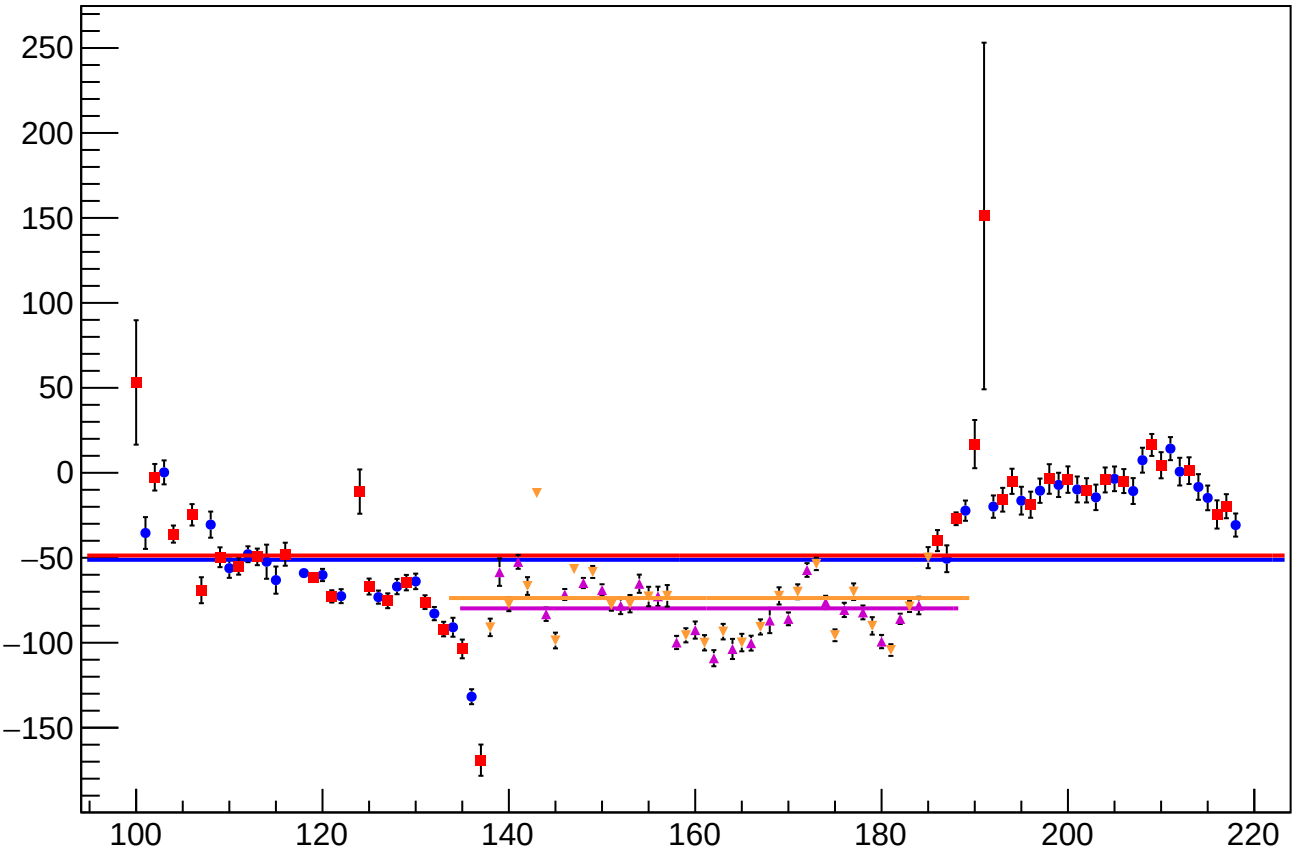
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -166.571+/-0.512 χ^2/NDF: 10245.3/67

In: -176.579+/-0.604 χ^2/NDF:6630.9/54

Out: -171.573+/-0.562 χ^2/NDF:13805.8/60

All: -173.896+/-0.412 χ^2/NDF: 20473.5/115



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: -48.677+/-0.966 χ^2/NDF: 1138.5/35

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

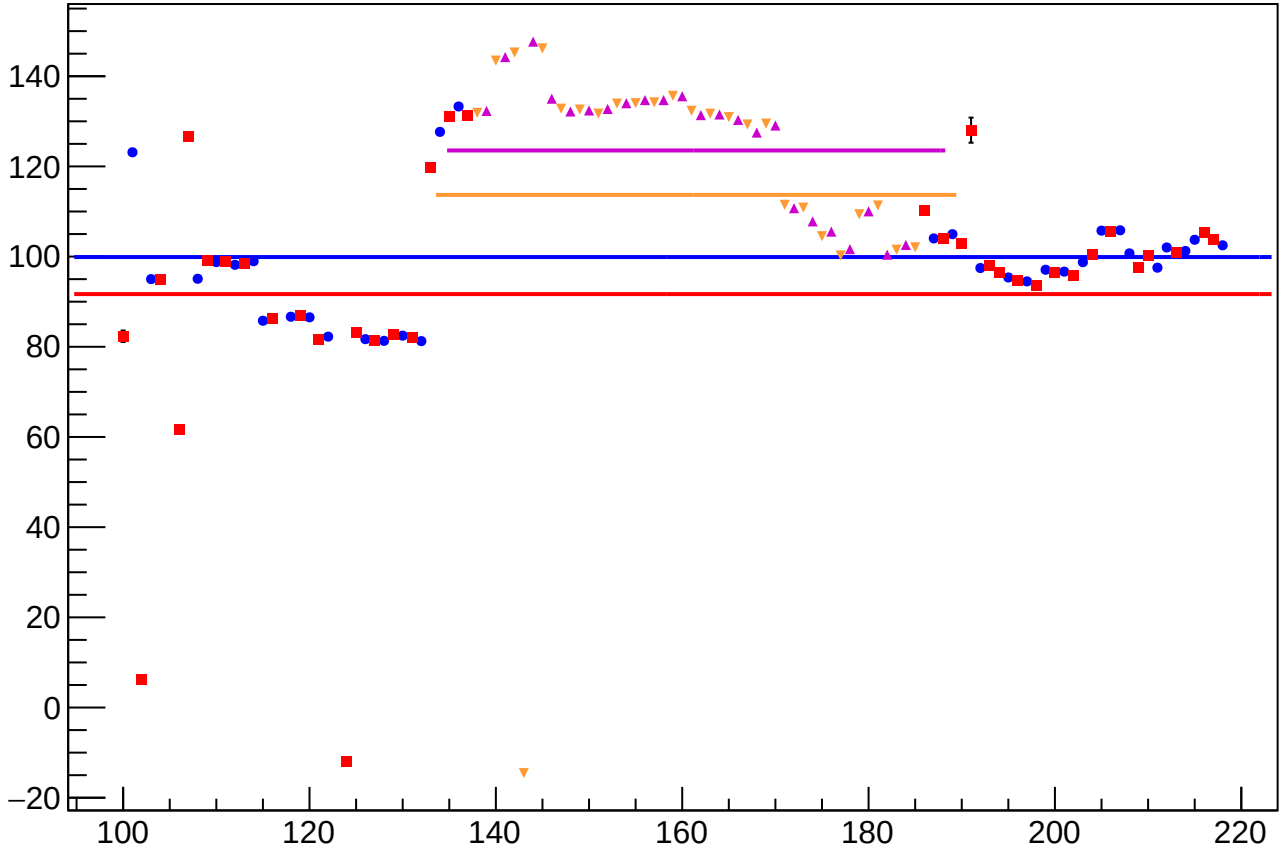
Right: -49.904+/-0.691 χ^2/NDF: 2275.7/67

In: -67.236+/-0.655 χ^2/NDF:1880.3/54

Out: -63.091+/-0.629 χ^2/NDF:2364.9/60

All: -65.080+/-0.454 χ^2/NDF: 4266.0/115

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: 91.687+/-0.049 χ^2/NDF: 291172.8/35

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

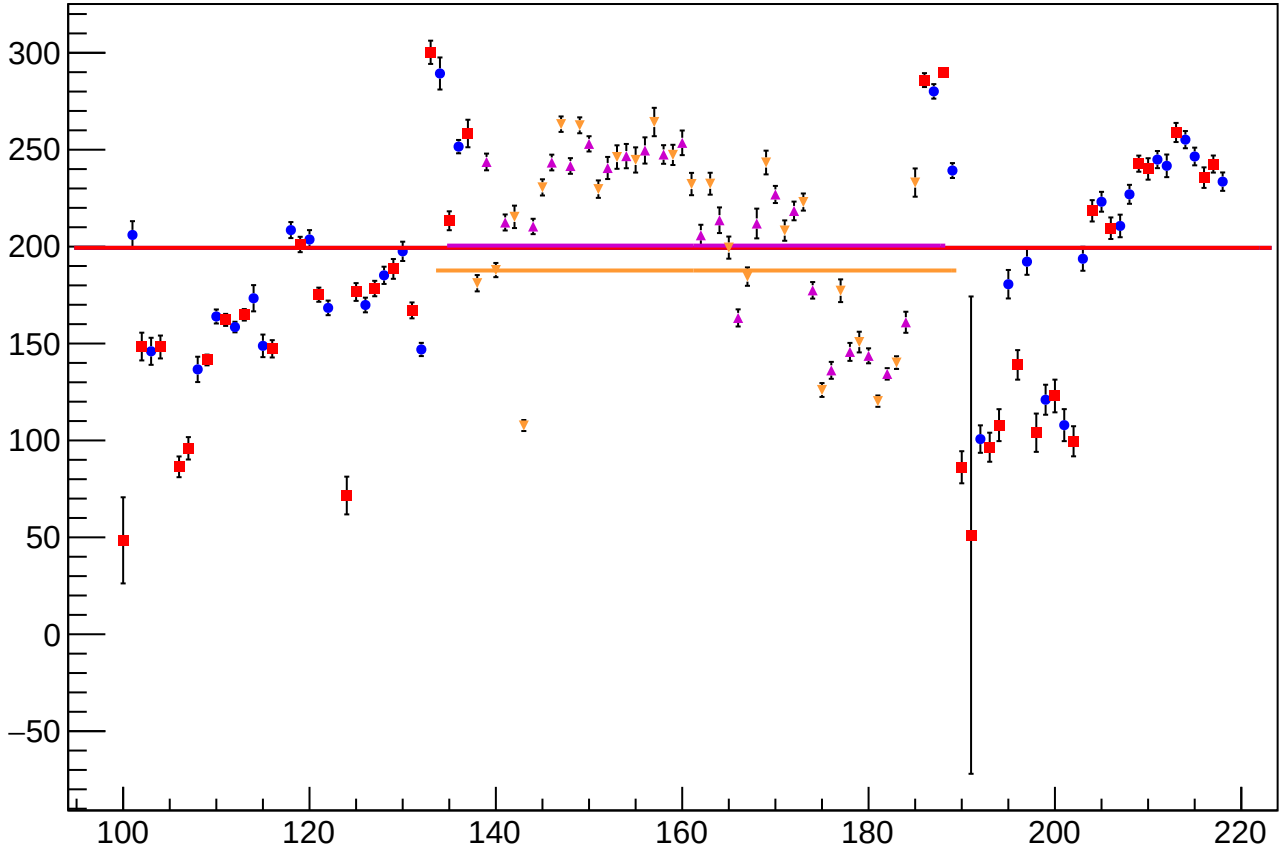
Right: 95.597+/-0.035 χ^2/NDF: 375033.4/67

In: 114.653+/-0.031 χ^2/NDF:338727.4/54

Out: 105.256+/-0.030 χ^2/NDF:1380381.6/60

All: 109.775+/-0.022 χ^2/NDF: 1765898.2/115

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: 199.385+/-0.771 χ^2/NDF: 6522.1/35

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

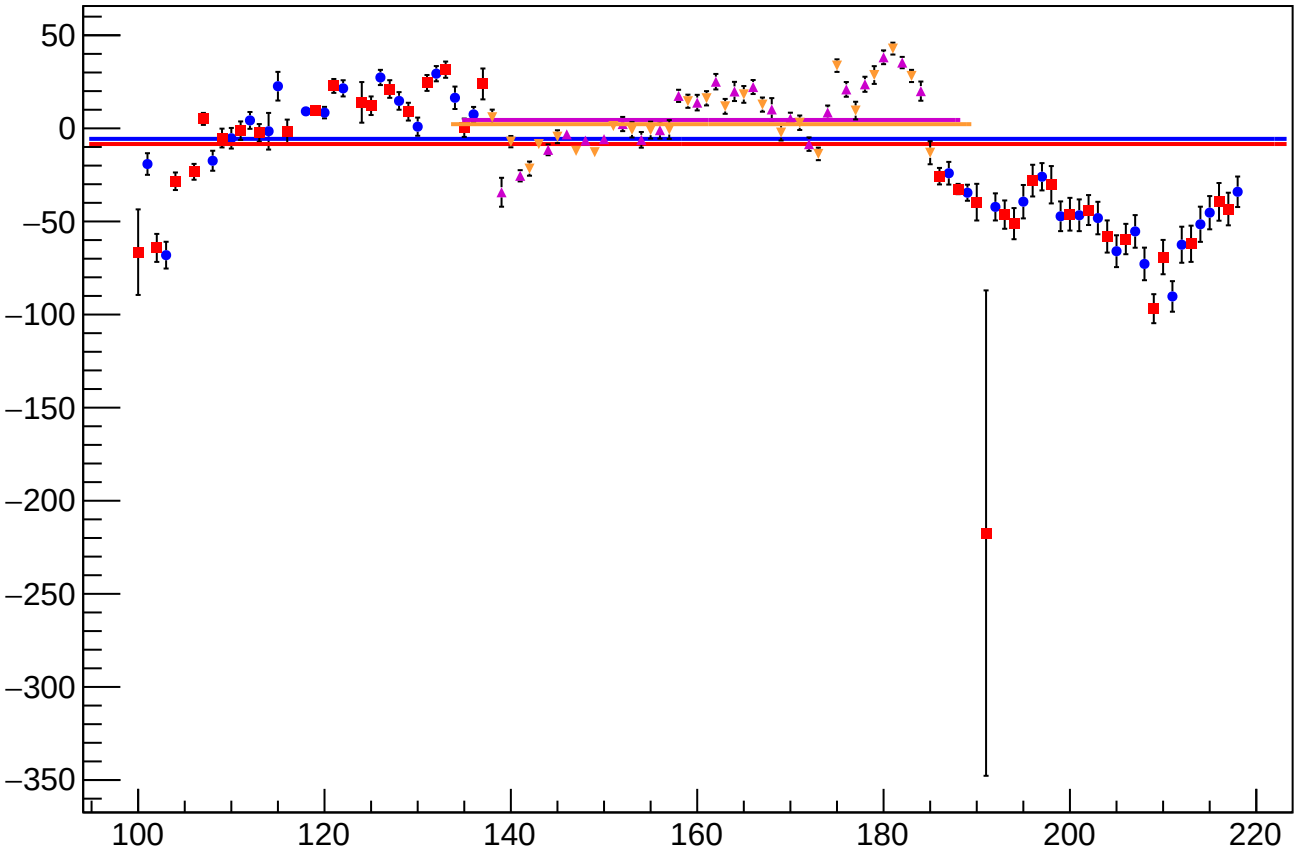
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 199.367+/-0.567 χ^2/NDF: 9342.1/67

In: 199.856+/-0.629 χ^2/NDF:4932.3/54

Out: 194.416+/-0.585 χ^2/NDF:10148.2/60

All: 196.939+/-0.428 χ^2/NDF: 15120.6/115



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: -8.417+/-0.893 χ^2/NDF: 972.0/35

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

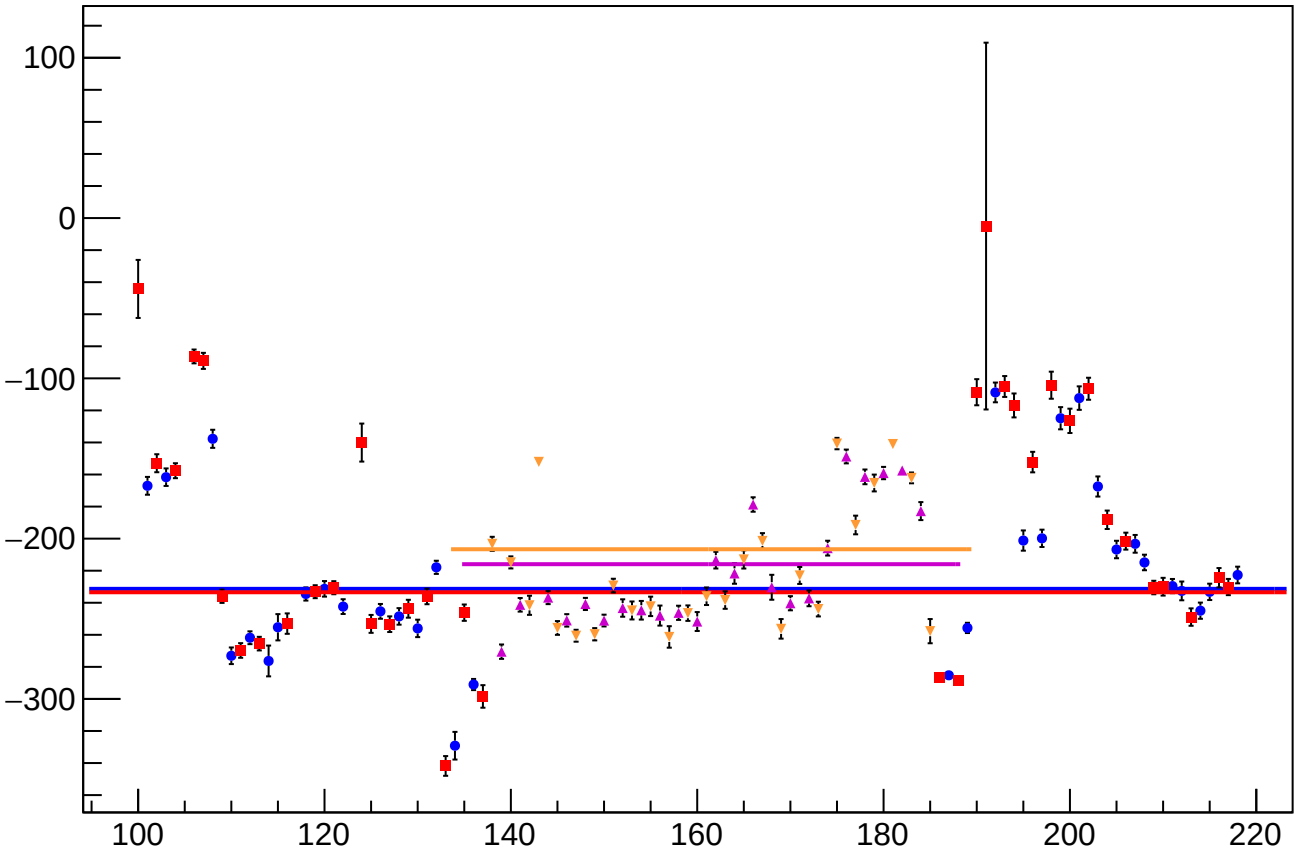
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -7.129+/-0.654 χ^2/NDF: 1870.5/67

In: 0.898+/-0.573 χ^2/NDF:1513.1/54

Out: -1.553+/-0.533 χ^2/NDF:1664.5/60

All: -0.416+/-0.390 χ^2/NDF: 3187.5/115



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: -233.452+/-0.783 χ^2/NDF: 6671.0/35

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

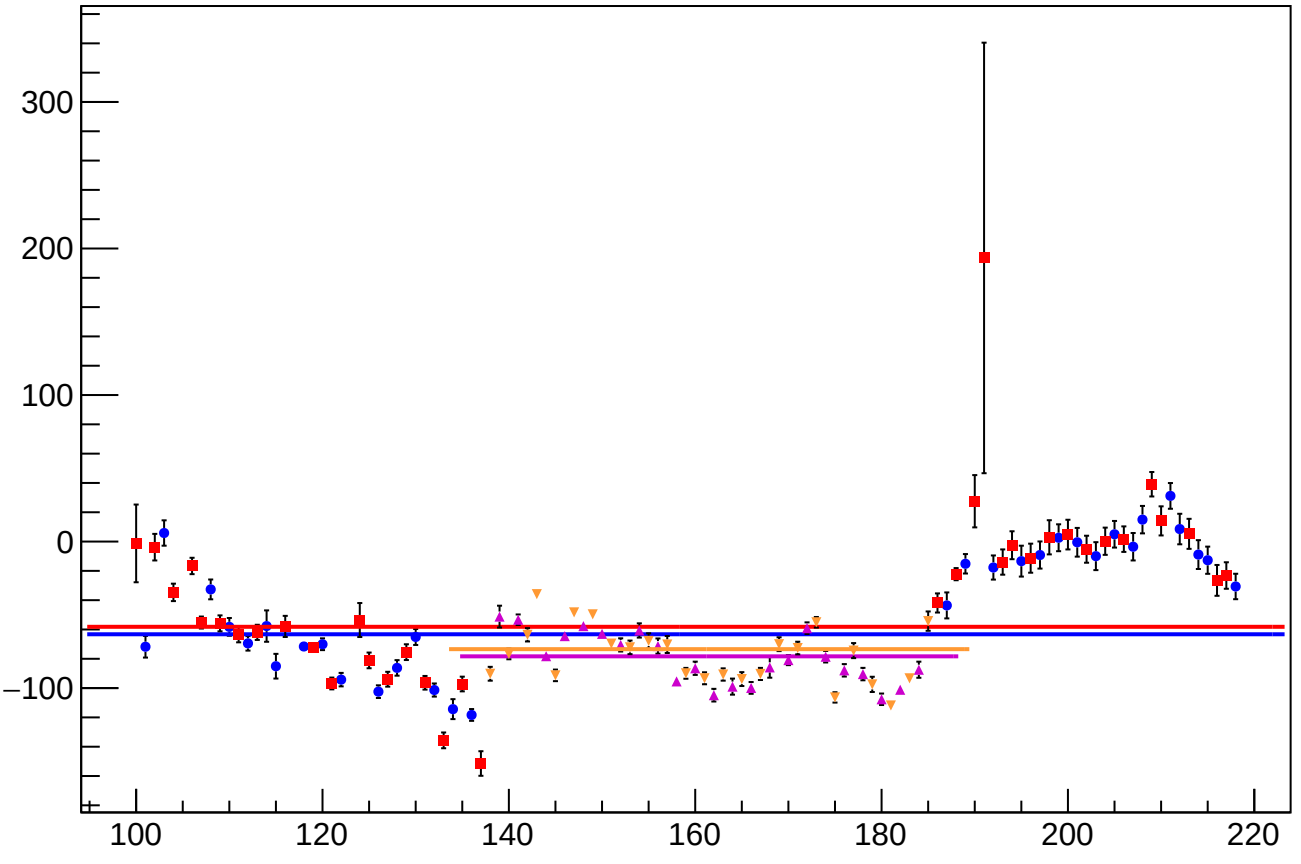
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.508+/-0.584 χ^2/NDF: 9367.8/67

In: -224.219+/-0.643 χ^2/NDF:4547.8/54

Out: -221.810+/-0.589 χ^2/NDF:9648.1/60

All: -222.910+/-0.434 χ^2/NDF: 14203.5/115



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: -58.171+/-1.061 χ^2/NDF: 1387.5/35

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

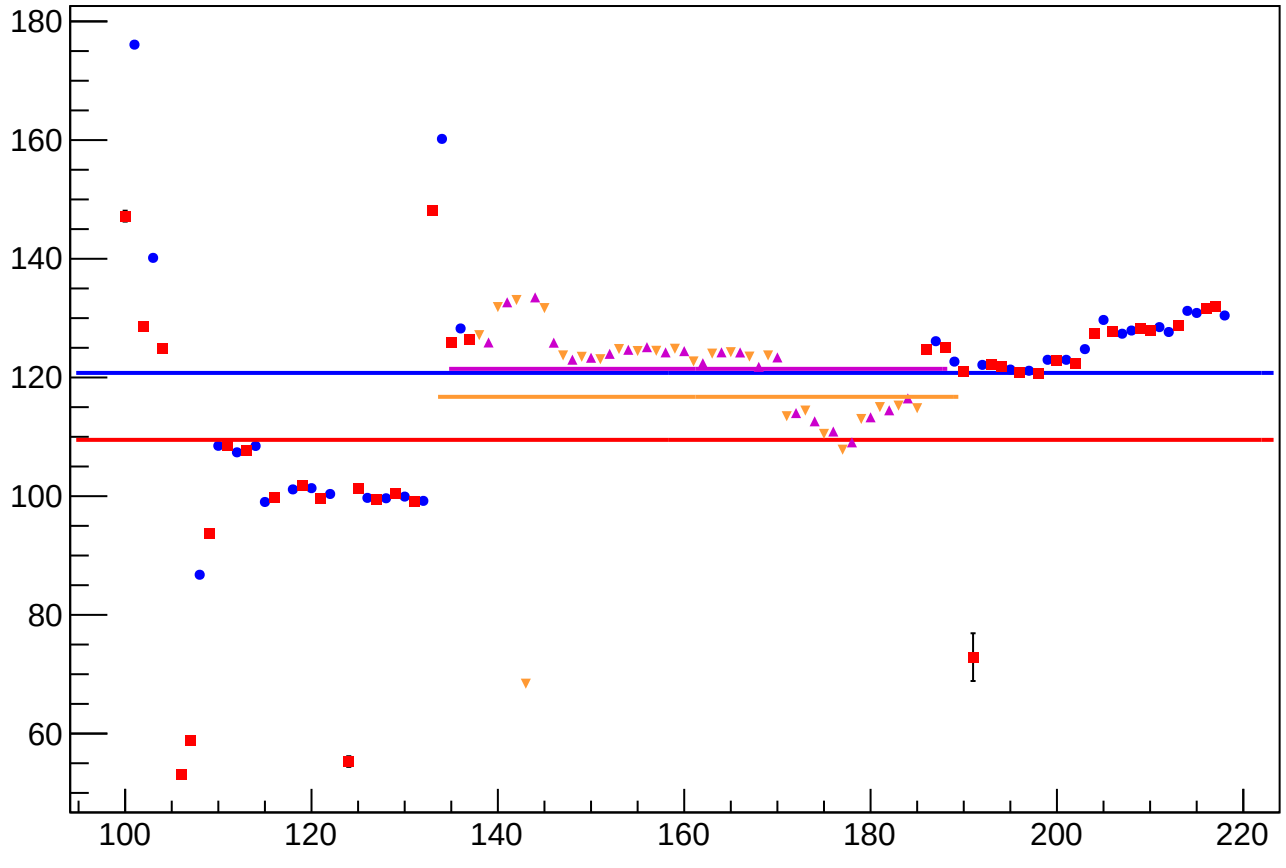
Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

Right: -60.586+/-0.769 χ^2/NDF: 2637.7/67

In: -73.083+/-0.660 χ^2/NDF:1800.8/54

Out: -68.187+/-0.621 χ^2/NDF:2359.9/60

All: -70.489+/-0.452 χ^2/NDF: 4189.8/115



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: 109.489+/-0.054 χ^2/NDF: 216875.2/35

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

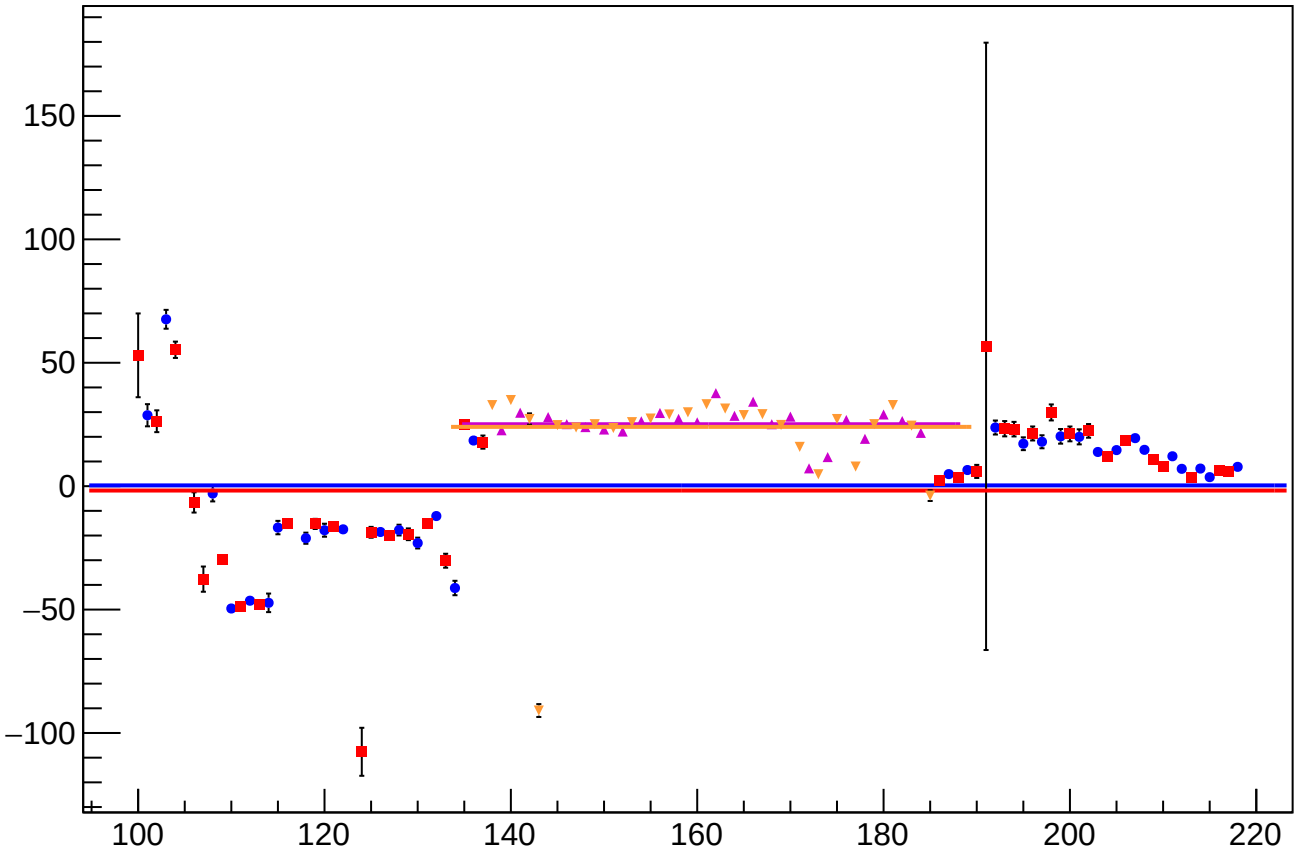
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 114.689+/-0.040 χ^2/NDF: 337009.4/67

In: 121.259+/-0.031 χ^2/NDF:129188.7/54

Out: 114.546+/-0.030 χ^2/NDF:432928.3/60

All: 117.731+/-0.022 χ^2/NDF: 586012.2/115



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: -1.767+/-0.337 χ^2/NDF: 3941.8/35

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

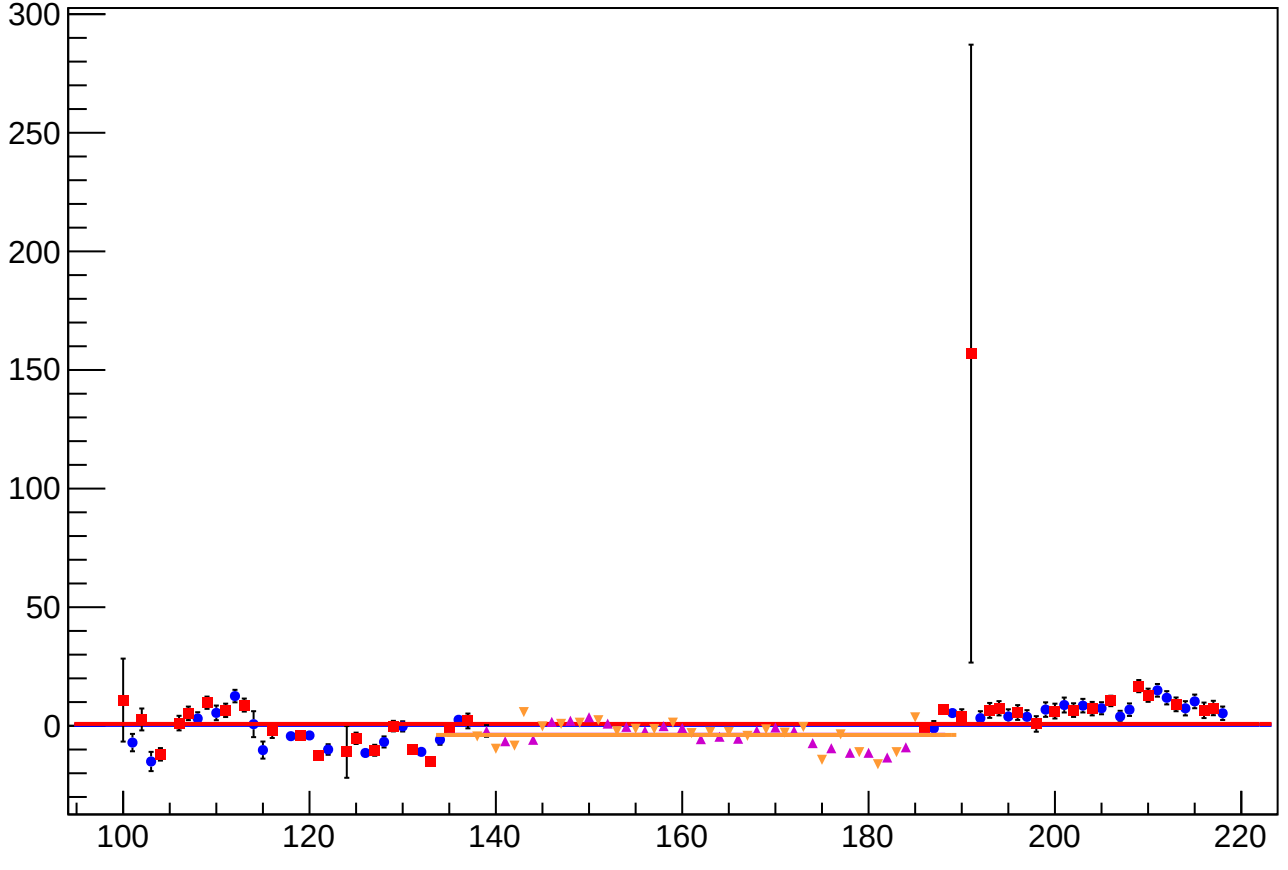
Right: -0.757+/-0.242 χ^2/NDF: 7693.3/67

In: 15.024+/-0.221 χ^2/NDF:7251.4/54

Out: 13.415+/-0.216 χ^2/NDF:10184.8/60

All: 14.201+/-0.155 χ^2/NDF: 17463.3/115

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: 0.798+/-0.420 χ^2/NDF: 363.6/35

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

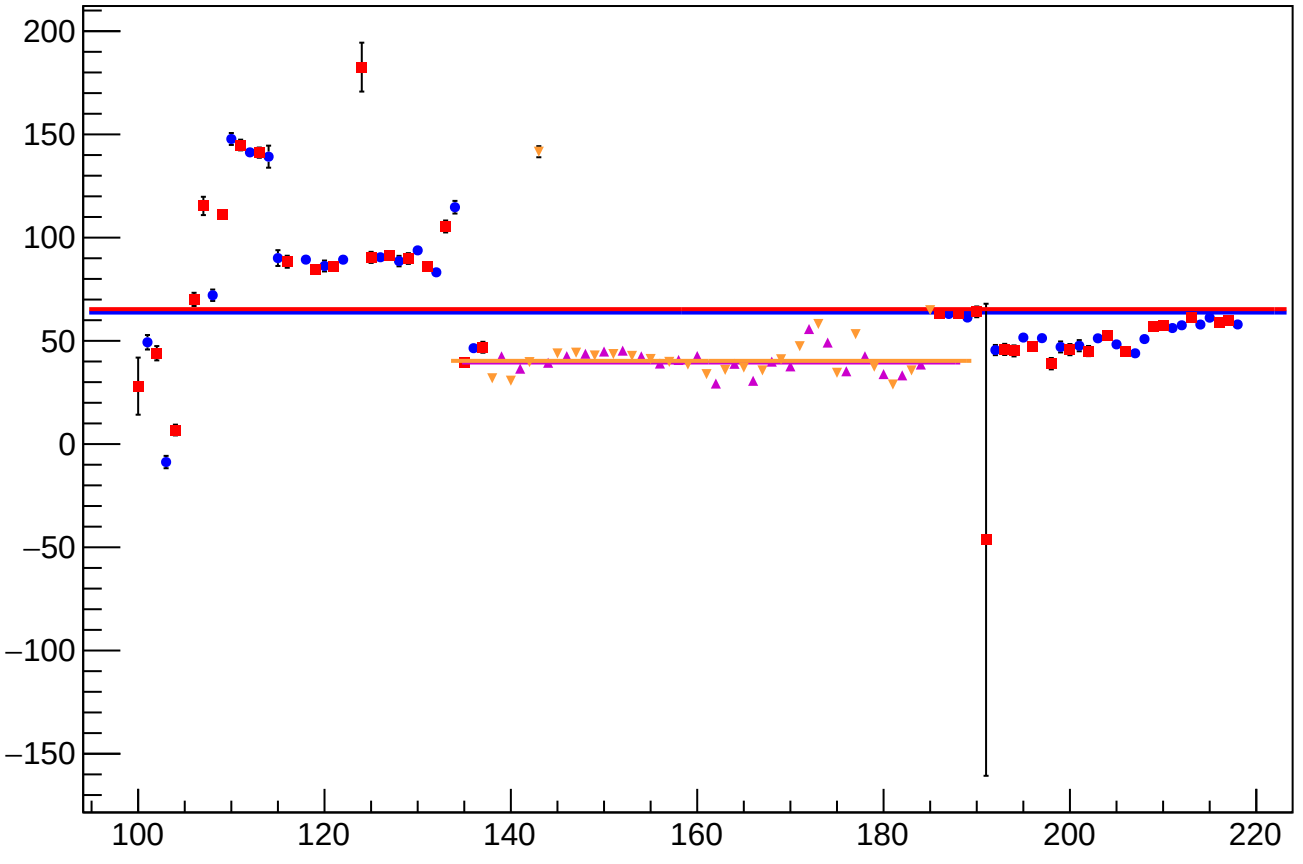
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: 0.595+/-0.301 χ^2/NDF: 653.6/67

In: -2.897+/-0.198 χ^2/NDF:872.9/54

Out: -2.861+/-0.193 χ^2/NDF:1109.3/60

All: -2.879+/-0.138 χ^2/NDF: 1982.2/115



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: 65.360+/-0.340 χ^2/NDF: 4856.7/35

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

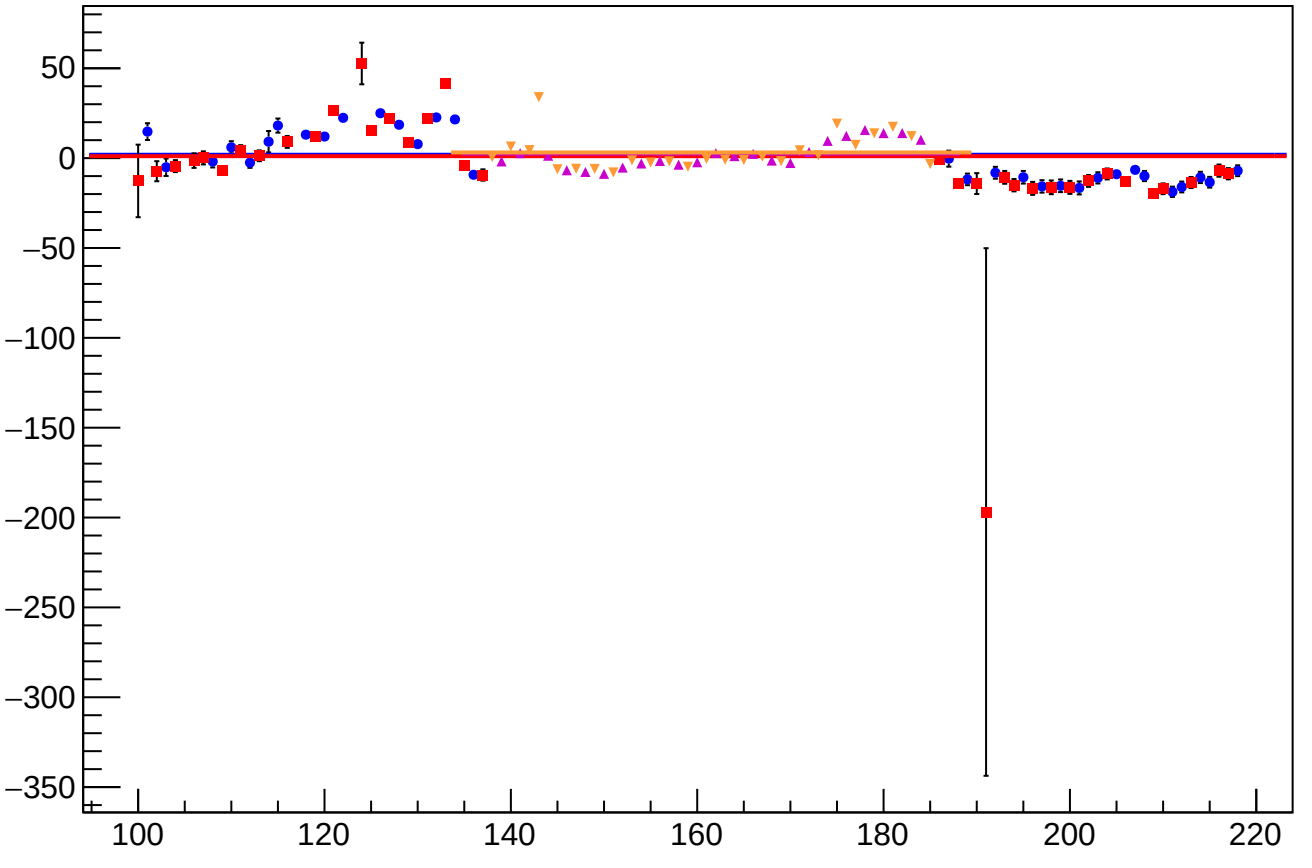
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 64.574+/-0.247 χ^2/NDF: 9556.9/67

In: 48.838+/-0.223 χ^2/NDF:7906.7/54

Out: 50.438+/-0.216 χ^2/NDF:10269.8/60

All: 49.664+/-0.155 χ^2/NDF: 18203.0/115



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: 1.091+/-0.490 χ^2/NDF: 1042.2/35

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

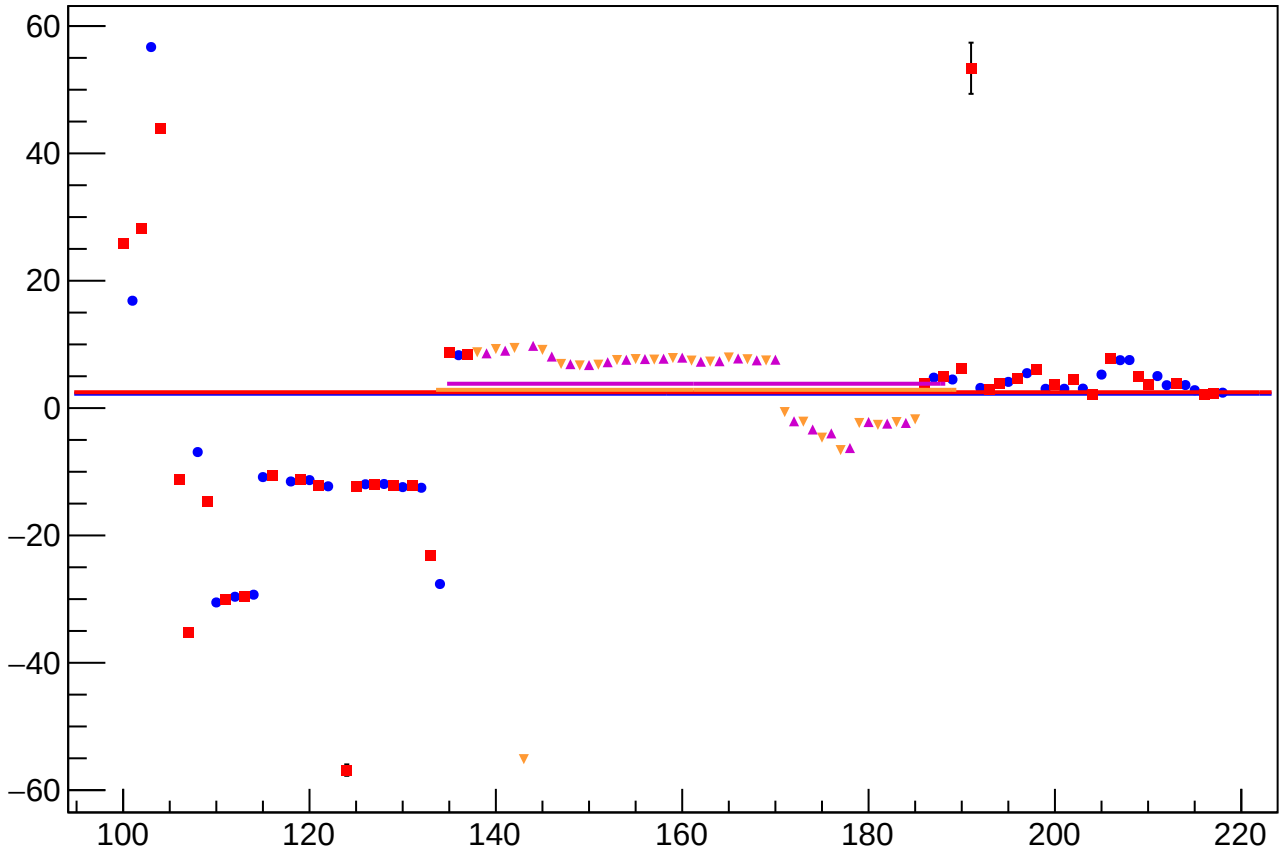
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 1.482+/-0.346 χ^2/NDF: 1902.8/67

In: 2.384+/-0.223 χ^2/NDF:1828.8/54

Out: 2.730+/-0.219 χ^2/NDF:2323.2/60

All: 2.560+/-0.157 χ^2/NDF: 4153.3/115



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: 2.490+/-0.024 χ^2/NDF: 330761.8/35

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

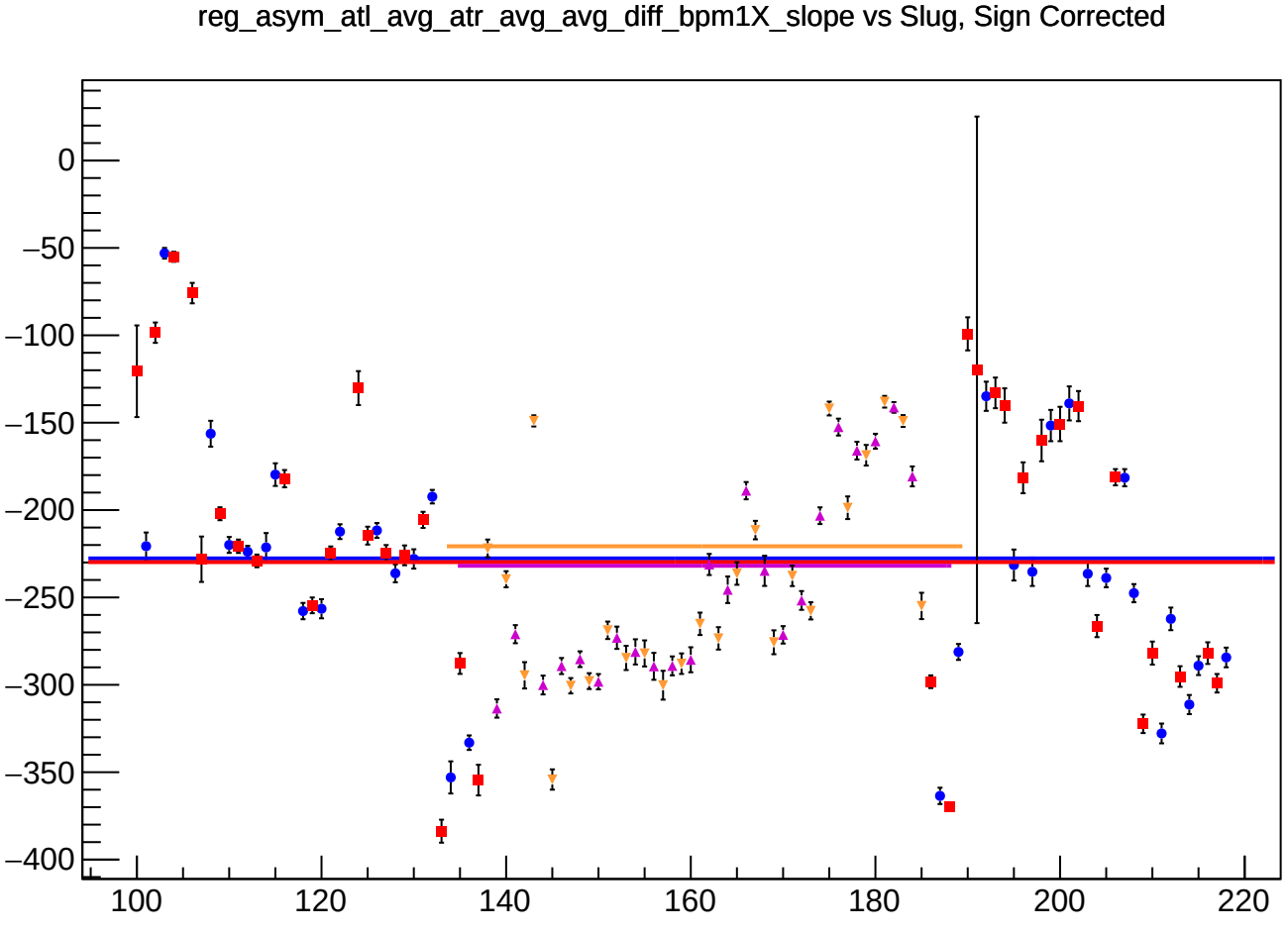
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 2.372+/-0.017 χ^2/NDF: 713827.5/67

In: 3.536+/-0.010 χ^2/NDF:619929.2/54

Out: 2.802+/-0.010 χ^2/NDF:843306.3/60

All: 3.166+/-0.007 χ^2/NDF: 1465929.0/115



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: -229.765+/-0.868 χ^2/NDF: 11078.7/35

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

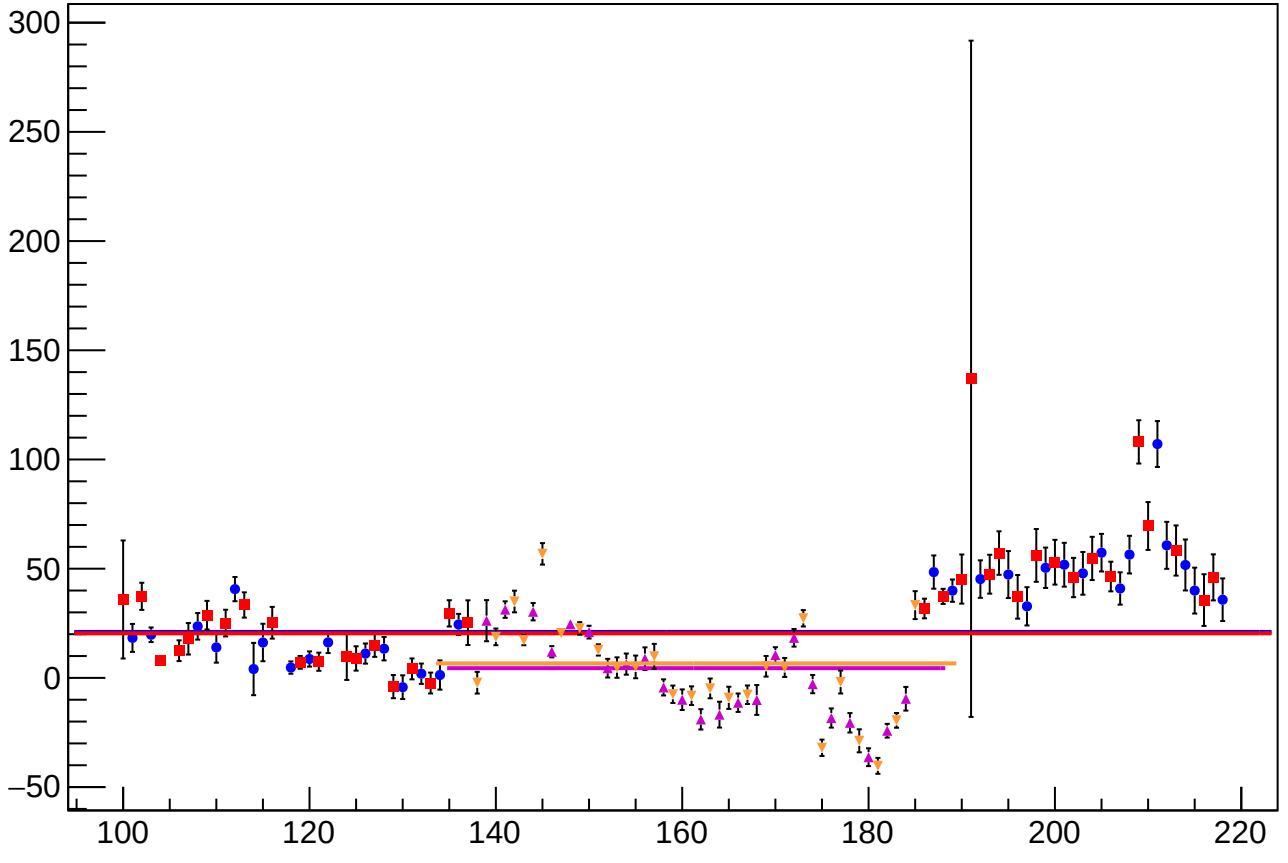
Right: -228.792+/-0.634 χ^2/NDF: 17657.5/67

In: -229.465+/-0.703 χ^2/NDF:9745.1/54

Out: -225.960+/-0.660 χ^2/NDF:15176.6/60

All: -227.603+/-0.481 χ^2/NDF: 24934.9/115

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: 20.401+/-0.966 χ^2/NDF: 374.5/35

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

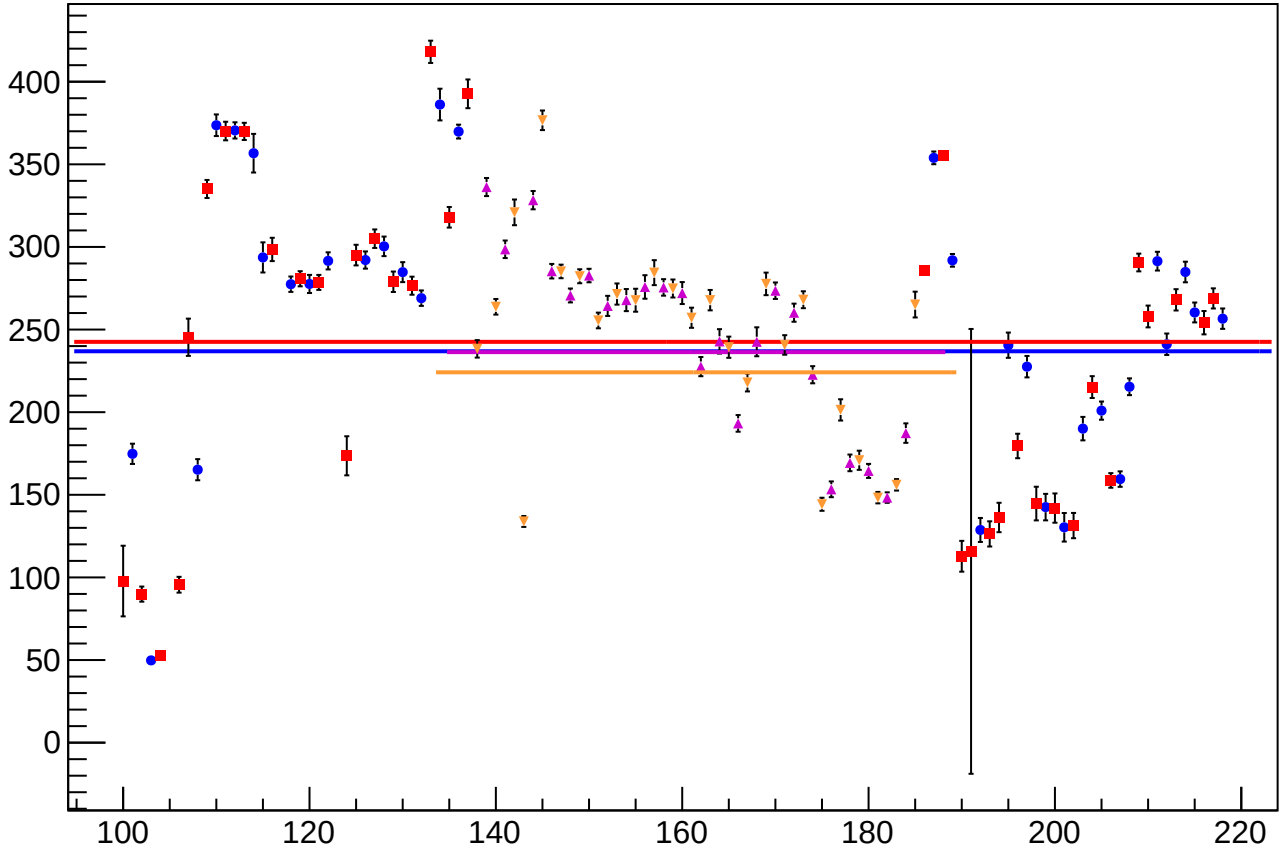
Right: 20.694+/-0.711 χ^2/NDF: 697.0/67

In: 10.597+/-0.640 χ^2/NDF:1046.0/54

Out: 11.839+/-0.594 χ^2/NDF:1235.7/60

All: 11.264+/-0.435 χ^2/NDF: 2283.8/115

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: 242.561+/-0.855 χ^2/NDF: 17100.4/35

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

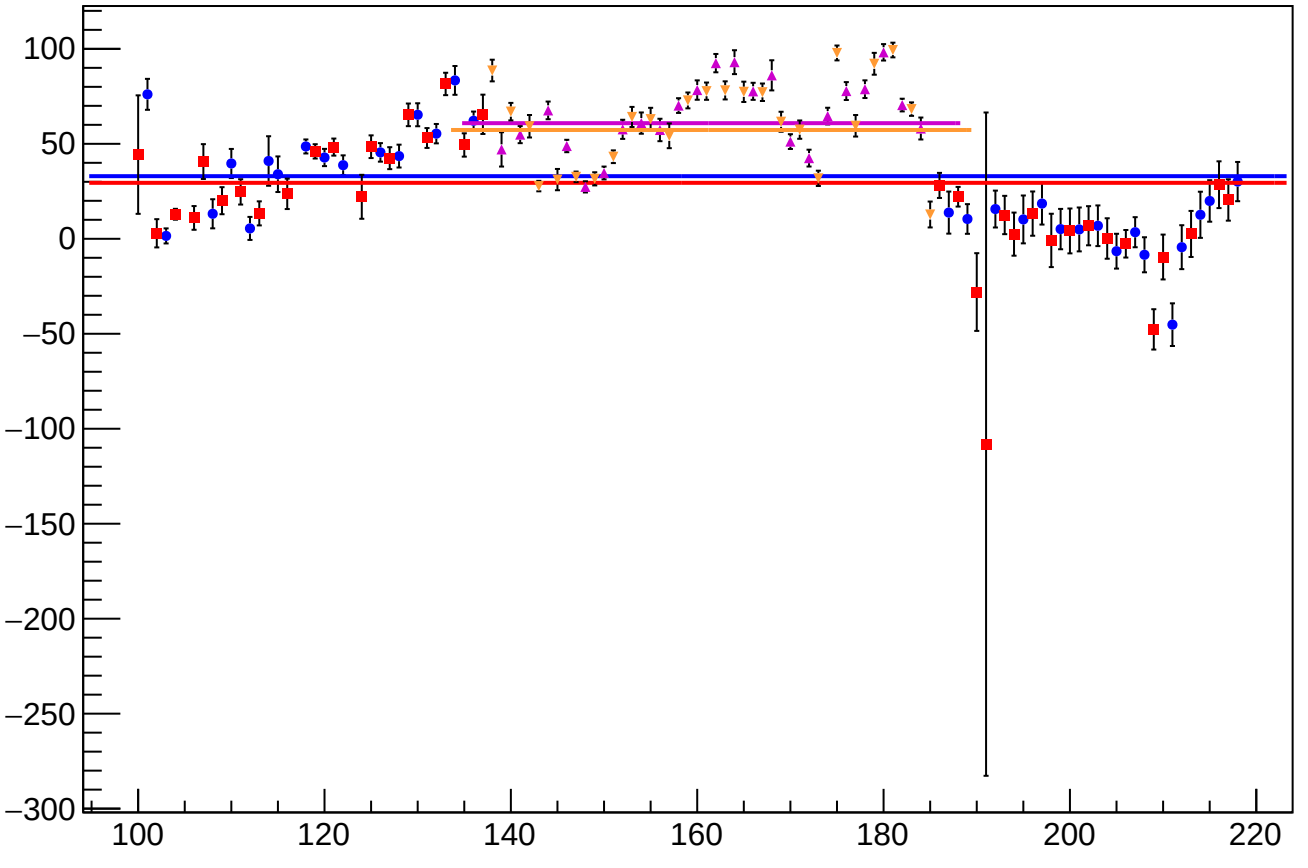
Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

Right: 239.988+/-0.633 χ^2/NDF: 28725.2/67

In: 236.632+/-0.706 χ^2/NDF:14597.7/54

Out: 234.901+/-0.653 χ^2/NDF:21260.5/60

All: 235.699+/-0.480 χ^2/NDF: 35861.4/115



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: 29.466+/-1.153 χ^2/NDF: 407.2/35

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

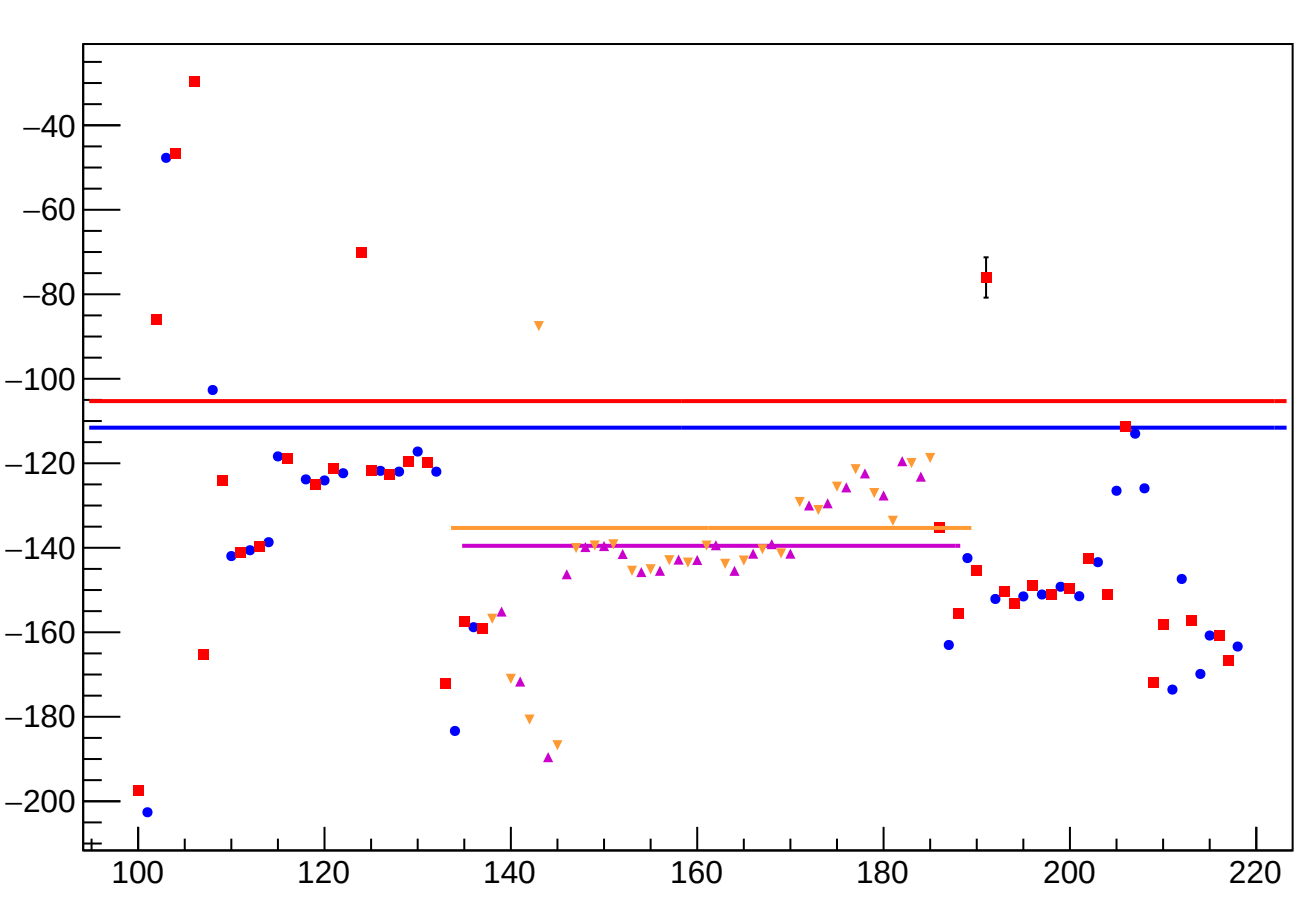
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 31.113+/-0.840 χ^2/NDF: 846.6/67

In: 50.778+/-0.737 χ^2/NDF:1220.9/54

Out: 47.230+/-0.694 χ^2/NDF:1546.5/60

All: 48.896+/-0.505 χ^2/NDF: 2779.7/115



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: -105.284+/-0.055 χ^2/NDF: 772302.0/35

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

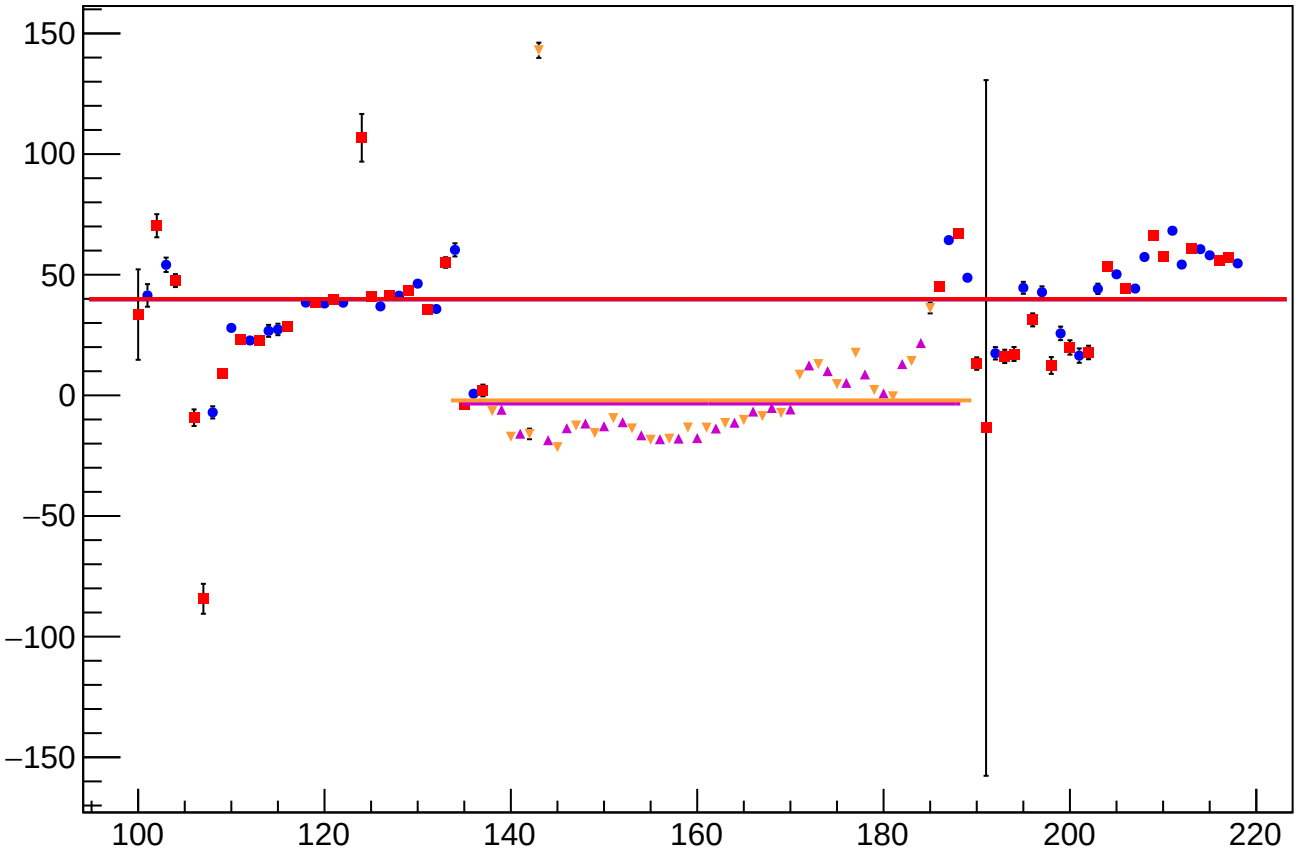
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

Right: -108.330+/-0.040 χ^2/NDF: 1487032.1/67

In: -129.637+/-0.034 χ^2/NDF:978949.1/54

Out: -124.759+/-0.033 χ^2/NDF:1227484.1/60

All: -127.112+/-0.024 χ^2/NDF: 2217181.7/11



Right In: 39.768+/-0.311 χ^2/NDF: 3388.4/31

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 39.908+/-0.286 χ^2/NDF: 5514.1/35

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

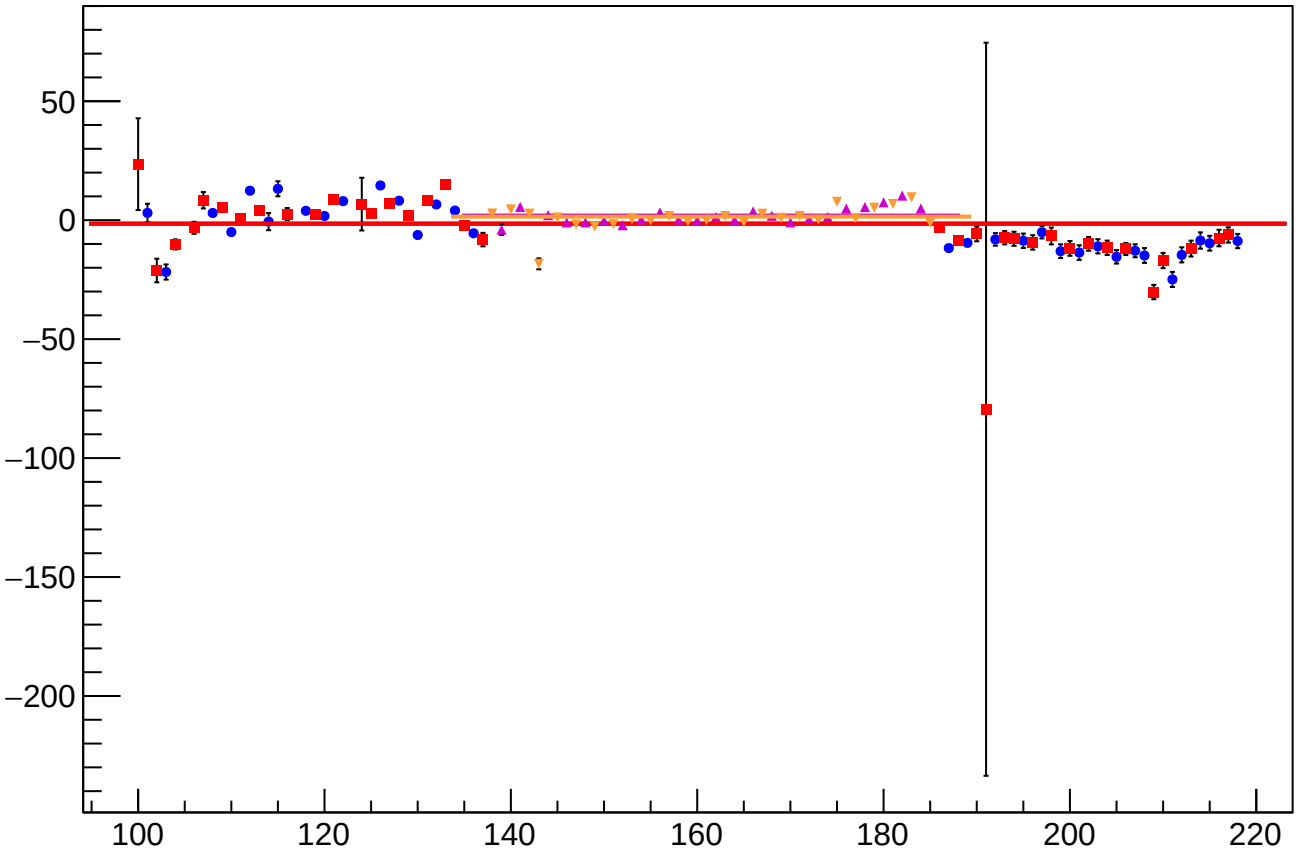
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 39.844+/-0.210 χ^2/NDF: 8902.5/67

In: 15.248+/-0.204 χ^2/NDF:16071.4/54

Out: 17.477+/-0.195 χ^2/NDF:21263.8/60

All: 16.416+/-0.141 χ^2/NDF: 37397.4/115



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: -1.456+/-0.348 χ^2/NDF: 543.9/35

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

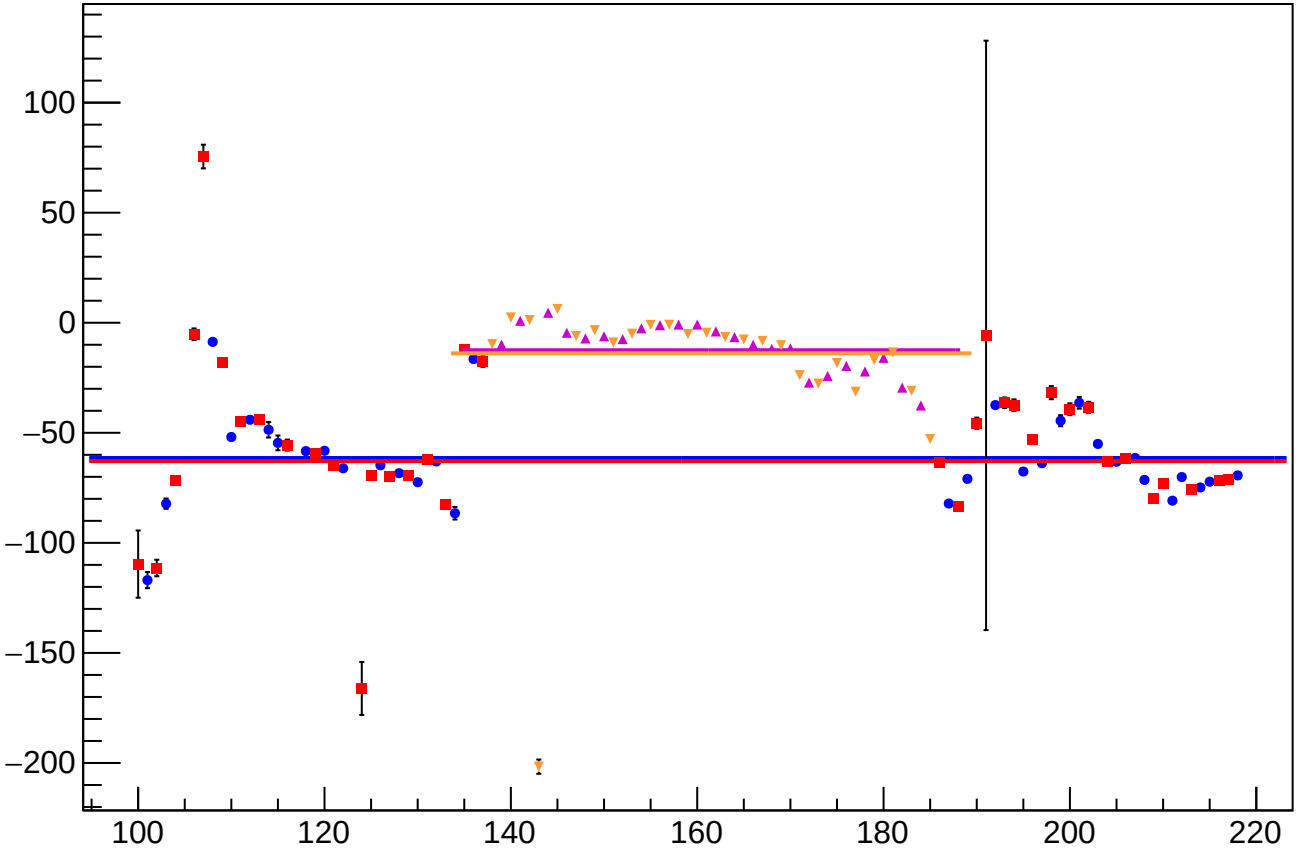
Right: -1.461+/-0.253 χ^2/NDF: 1148.6/67

In: 1.097+/-0.183 χ^2/NDF:909.6/54

Out: 0.730+/-0.177 χ^2/NDF:925.7/60

All: 0.907+/-0.127 χ^2/NDF: 1837.3/115

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: -62.843+/-0.284 χ^2/NDF: 5714.5/35

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

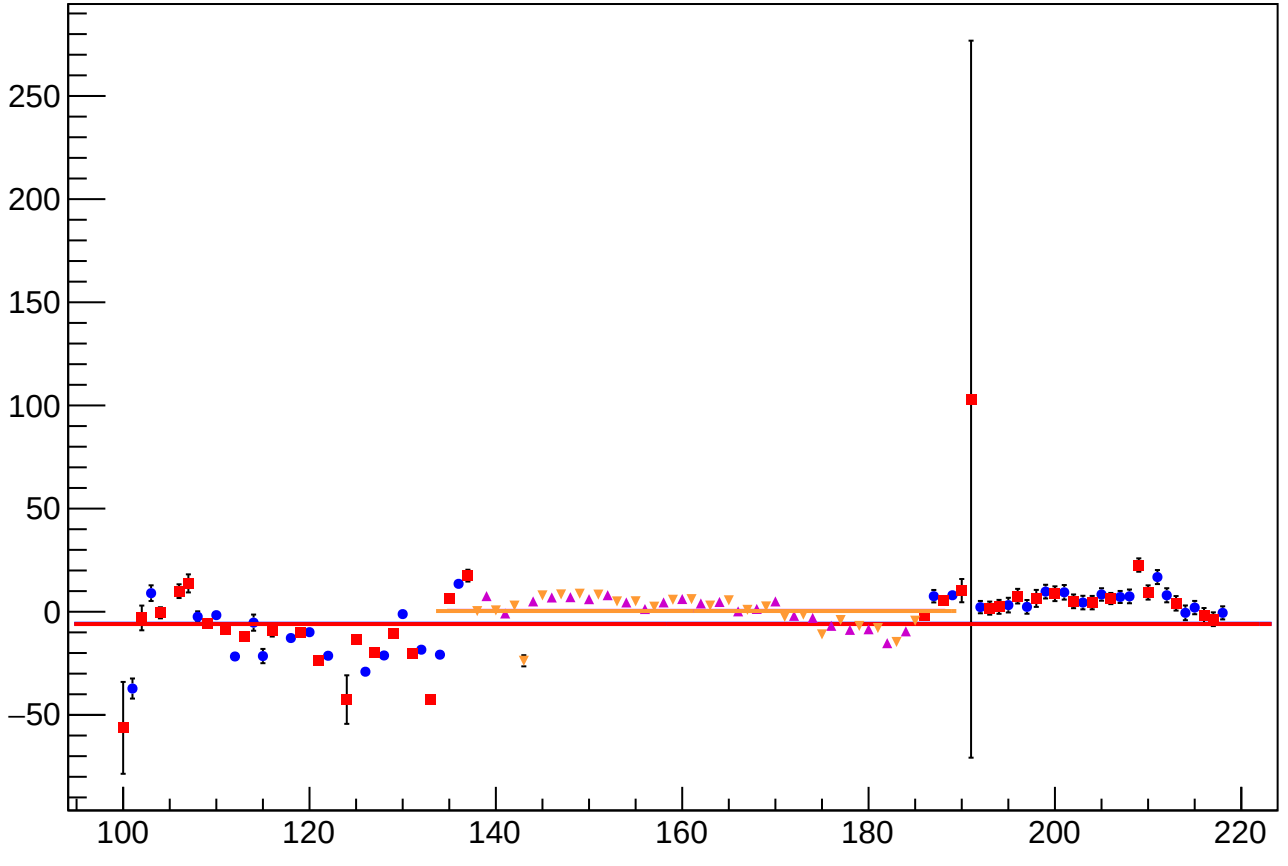
Right: -62.240+/-0.214 χ^2/NDF: 9407.6/67

In: -32.475+/-0.207 χ^2/NDF:18664.6/54

Out: -36.618+/-0.194 χ^2/NDF:26703.3/60

All: -34.681+/-0.141 χ^2/NDF: 45581.7/115

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: -5.966+/-0.415 χ^2/NDF: 1051.9/35

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

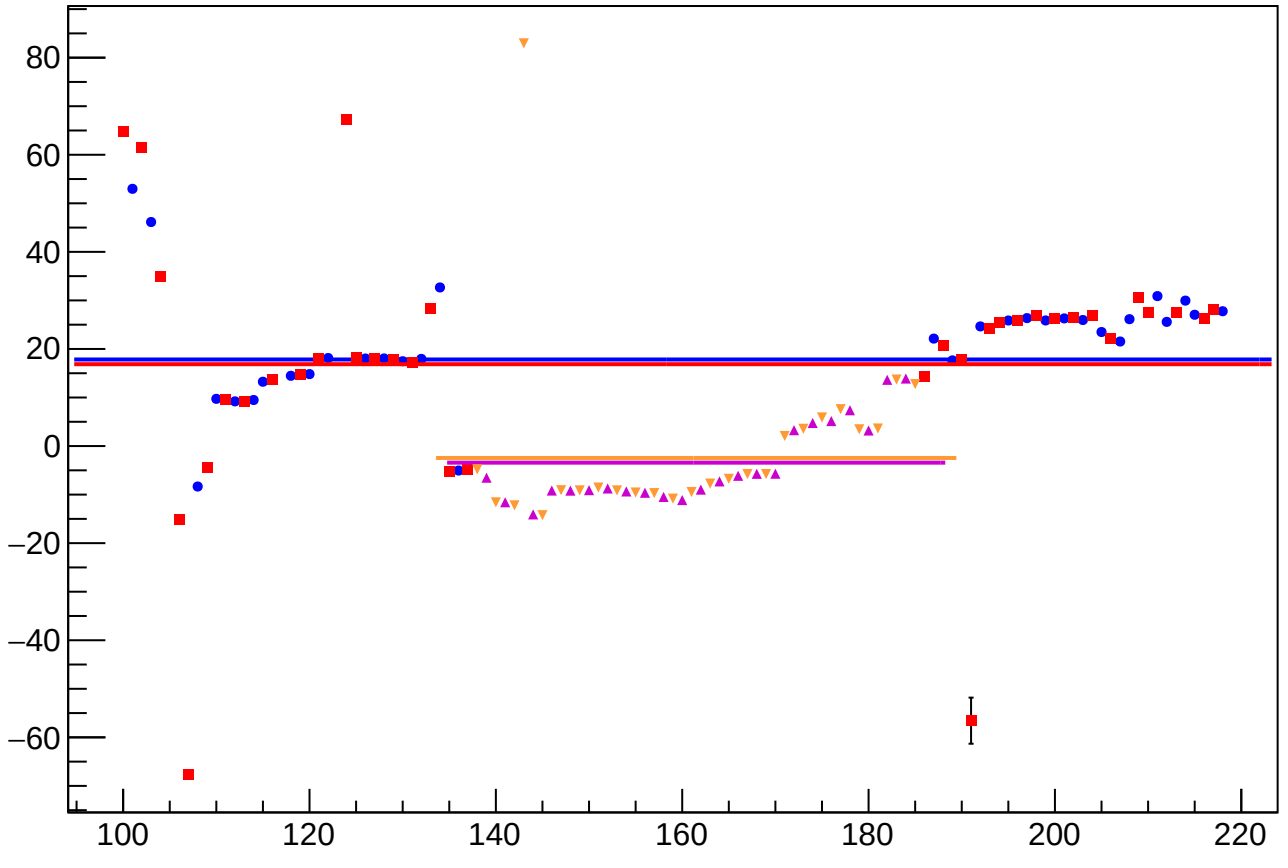
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -5.890+/-0.297 χ^2/NDF: 2064.7/67

In: -1.040+/-0.207 χ^2/NDF:1959.1/54

Out: -1.152+/-0.202 χ^2/NDF:2150.3/60

All: -1.097+/-0.145 χ^2/NDF: 4109.5/115



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: 16.862+/-0.022 χ^2/NDF: 580968.4/35

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

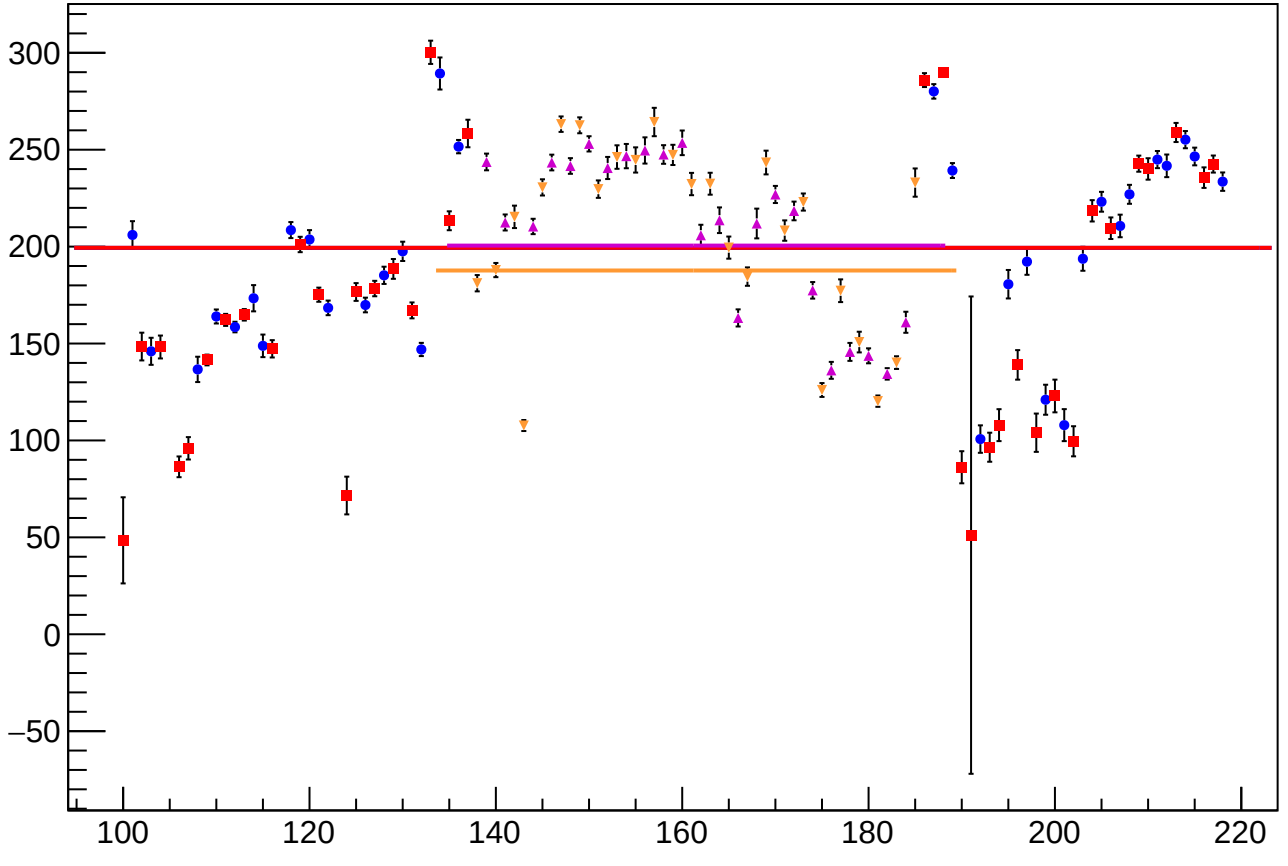
Right: 17.346+/-0.015 χ^2/NDF: 1040429.3/67

In: 0.613+/-0.009 χ^2/NDF:1791092.7/54

Out: 1.168+/-0.009 χ^2/NDF:2195098.7/60

All: 0.892+/-0.007 χ^2/NDF: 3987946.0/115

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: 199.385+/-0.771 χ^2/NDF: 6522.1/35

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

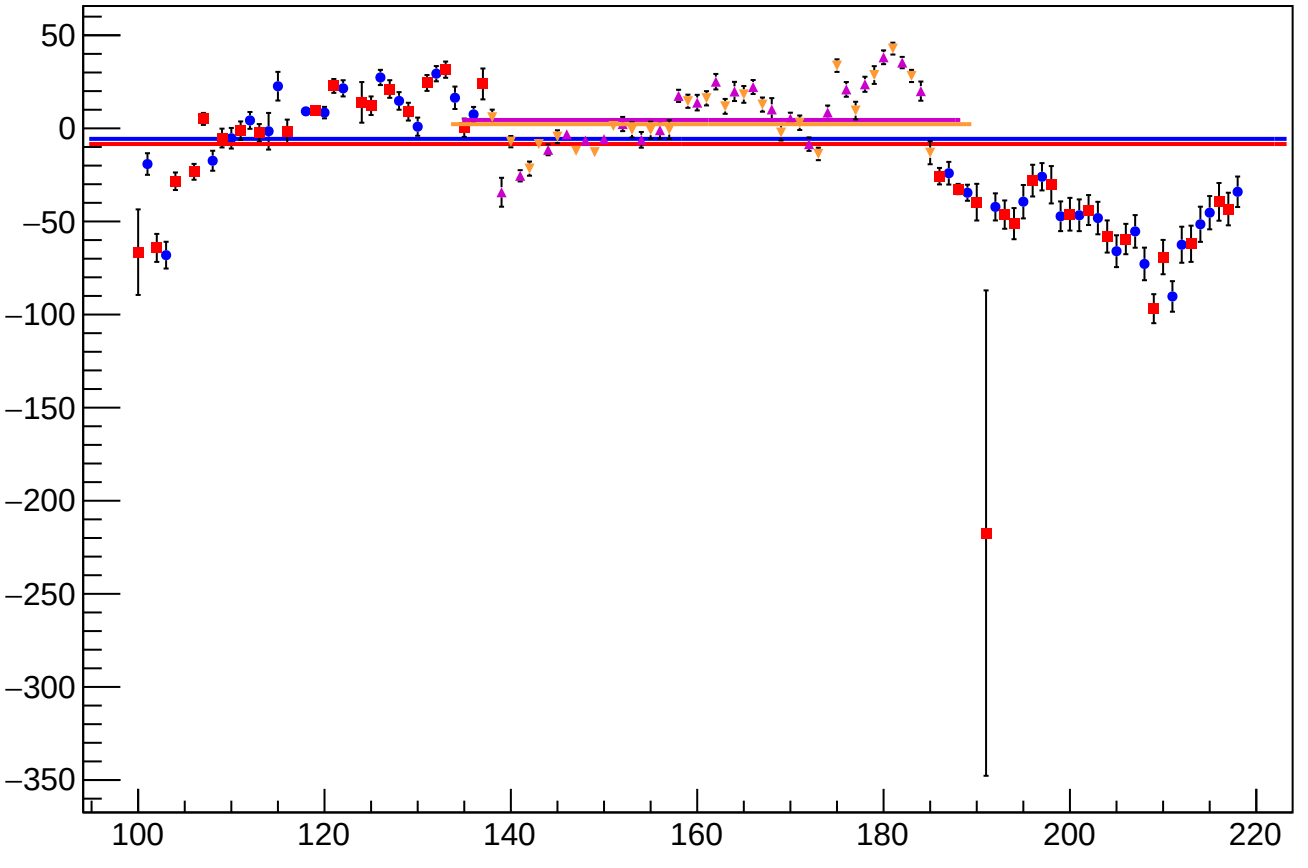
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 199.367+/-0.567 χ^2/NDF: 9342.1/67

In: 199.856+/-0.629 χ^2/NDF:4932.3/54

Out: 194.416+/-0.585 χ^2/NDF:10148.2/60

All: 196.939+/-0.428 χ^2/NDF: 15120.6/115



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: -8.417+/-0.893 χ^2/NDF: 972.0/35

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

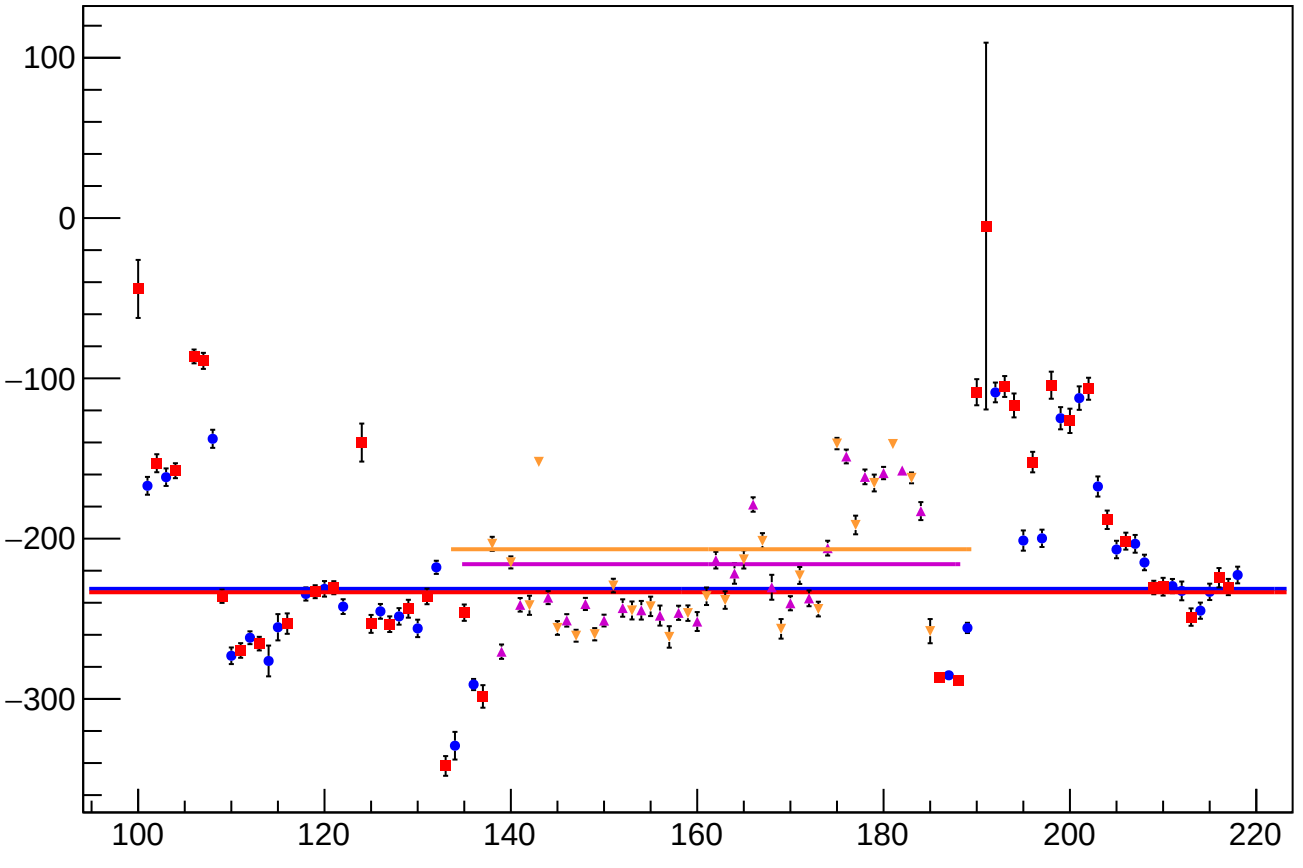
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -7.129+/-0.654 χ^2/NDF: 1870.5/67

In: 0.898+/-0.573 χ^2/NDF:1513.1/54

Out: -1.553+/-0.533 χ^2/NDF:1664.5/60

All: -0.416+/-0.390 χ^2/NDF: 3187.5/115



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: -233.452+/-0.783 χ^2/NDF: 6671.0/35

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

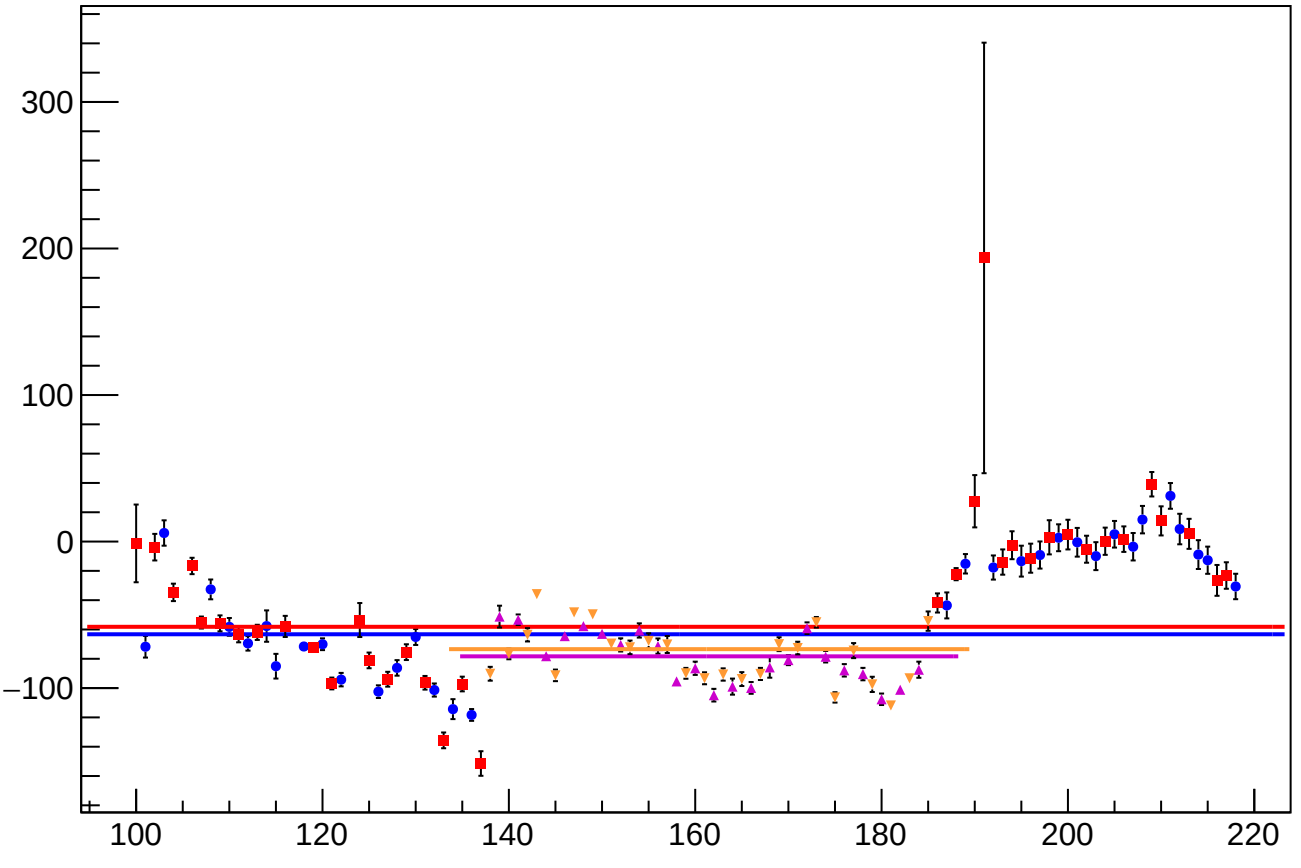
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.508+/-0.584 χ^2/NDF: 9367.8/67

In: -224.219+/-0.643 χ^2/NDF:4547.8/54

Out: -221.810+/-0.589 χ^2/NDF:9648.1/60

All: -222.910+/-0.434 χ^2/NDF: 14203.5/115



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: -58.171+/-1.061 χ^2/NDF: 1387.5/35

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

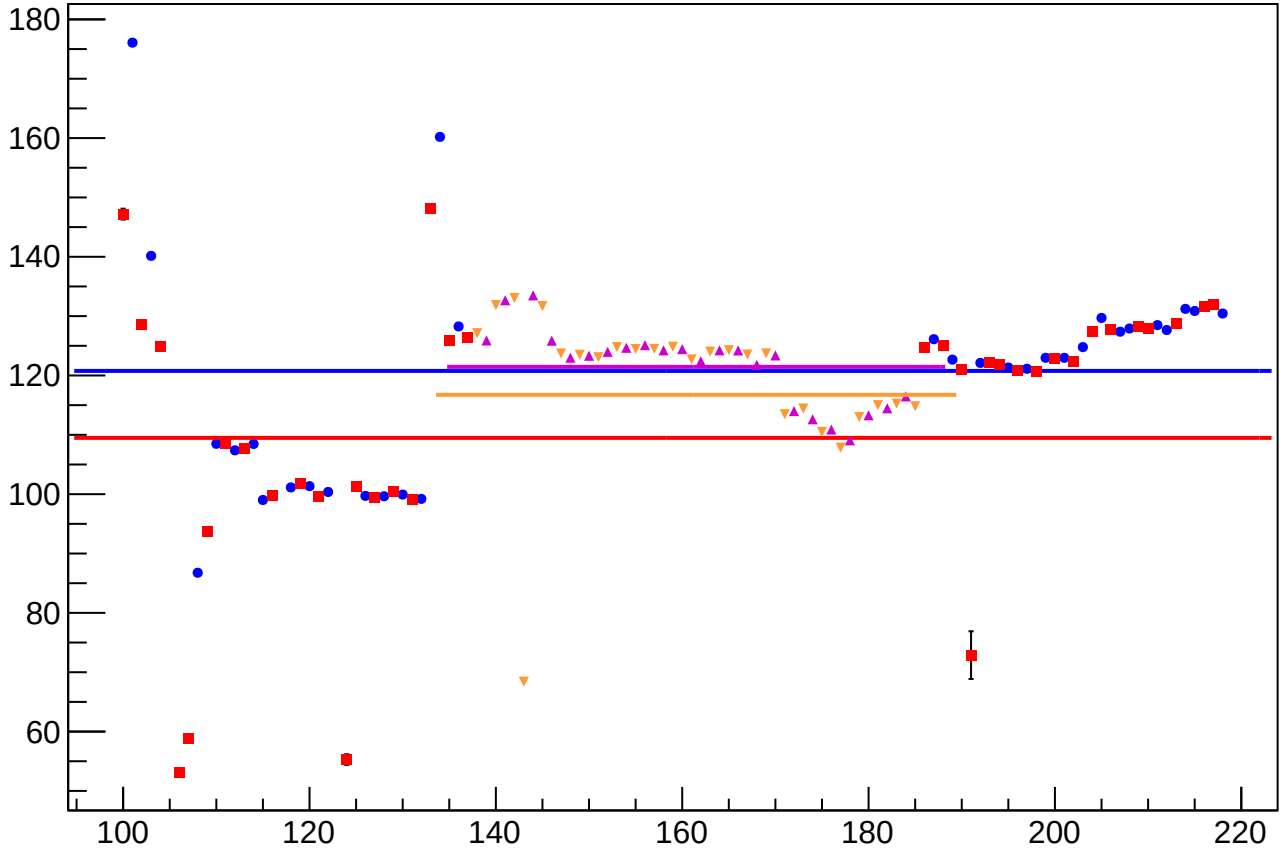
Right: -60.586+/-0.769 χ^2/NDF: 2637.7/67

In: -73.083+/-0.660 χ^2/NDF:1800.8/54

Out: -68.187+/-0.621 χ^2/NDF:2359.9/60

All: -70.489+/-0.452 χ^2/NDF: 4189.8/115

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: 109.489+/-0.054 χ^2/NDF: 216875.2/35

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

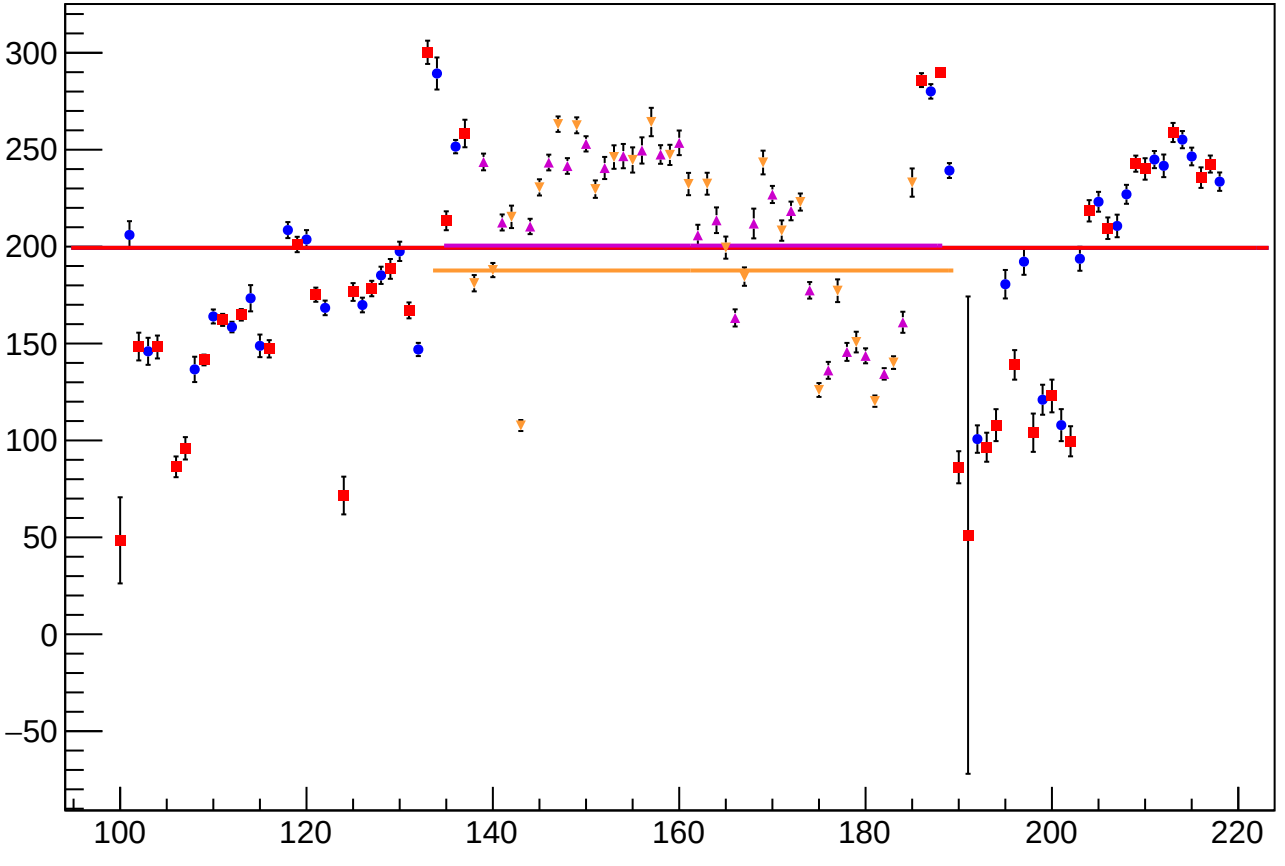
Right: 114.689+/-0.040 χ^2/NDF: 337009.4/67

In: 121.259+/-0.031 χ^2/NDF:129188.7/54

Out: 114.546+/-0.030 χ^2/NDF:432928.3/60

All: 117.731+/-0.022 χ^2/NDF: 586012.2/115

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: 199.385+/-0.771 χ^2/NDF: 6522.1/35

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

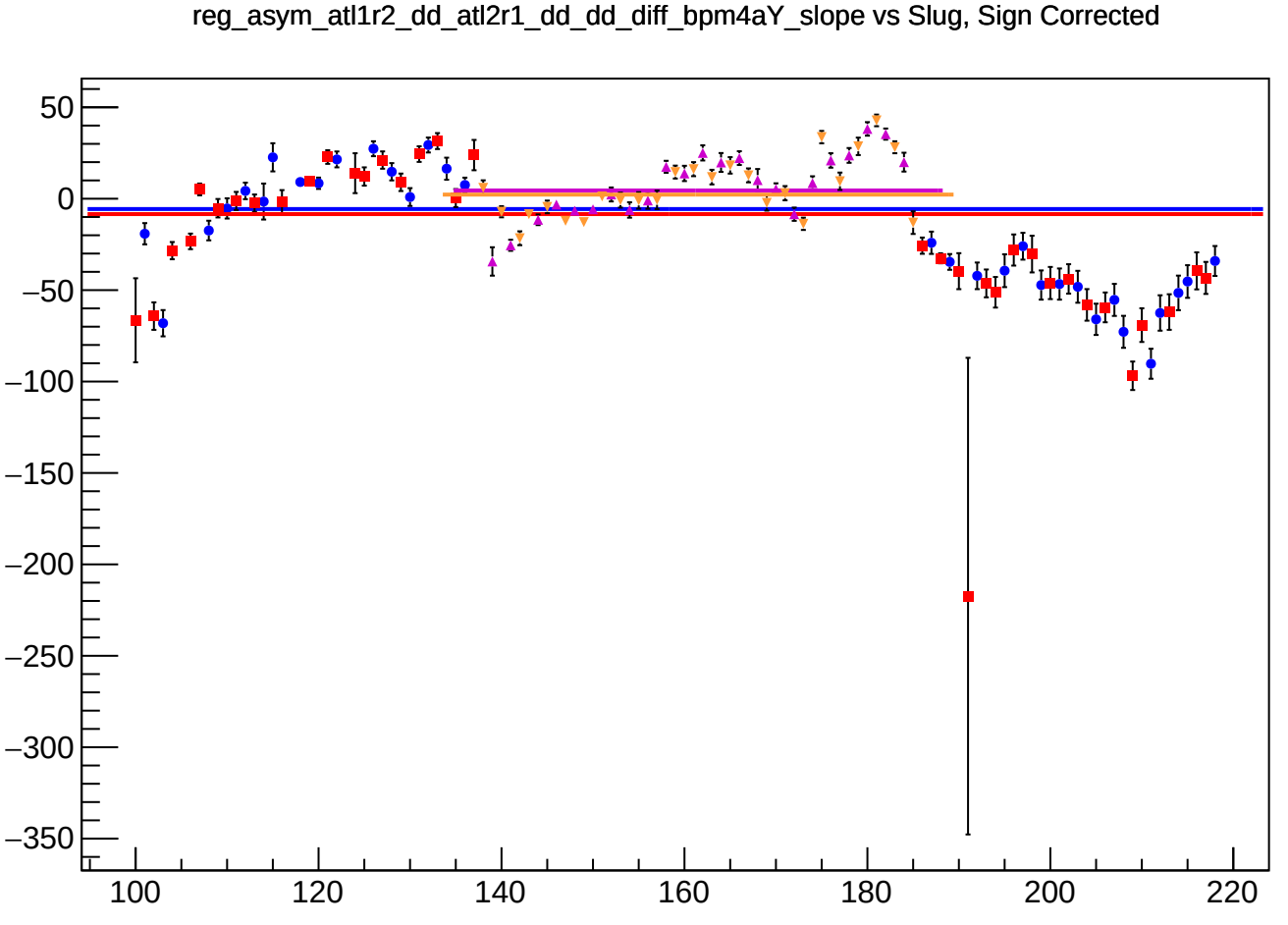
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 199.367+/-0.567 χ^2/NDF: 9342.1/67

In: 199.856+/-0.629 χ^2/NDF:4932.3/54

Out: 194.416+/-0.585 χ^2/NDF:10148.2/60

All: 196.939+/-0.428 χ^2/NDF: 15120.6/115



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: -8.417+/-0.893 χ^2/NDF: 972.0/35

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

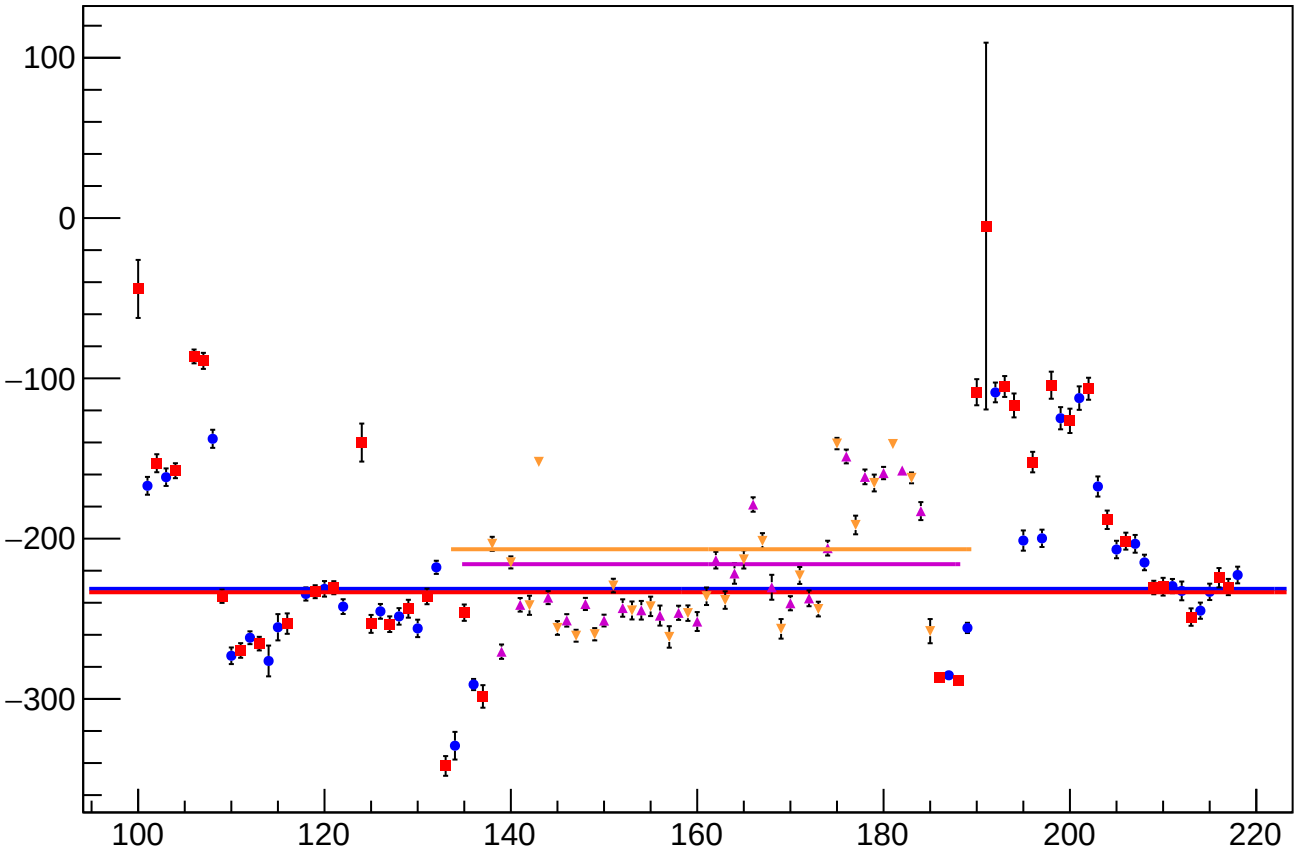
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -7.129+/-0.654 χ^2/NDF: 1870.5/67

In: 0.898+/-0.573 χ^2/NDF:1513.1/54

Out: -1.553+/-0.533 χ^2/NDF:1664.5/60

All: -0.416+/-0.390 χ^2/NDF: 3187.5/115



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: -233.452+/-0.783 χ^2/NDF: 6671.0/35

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

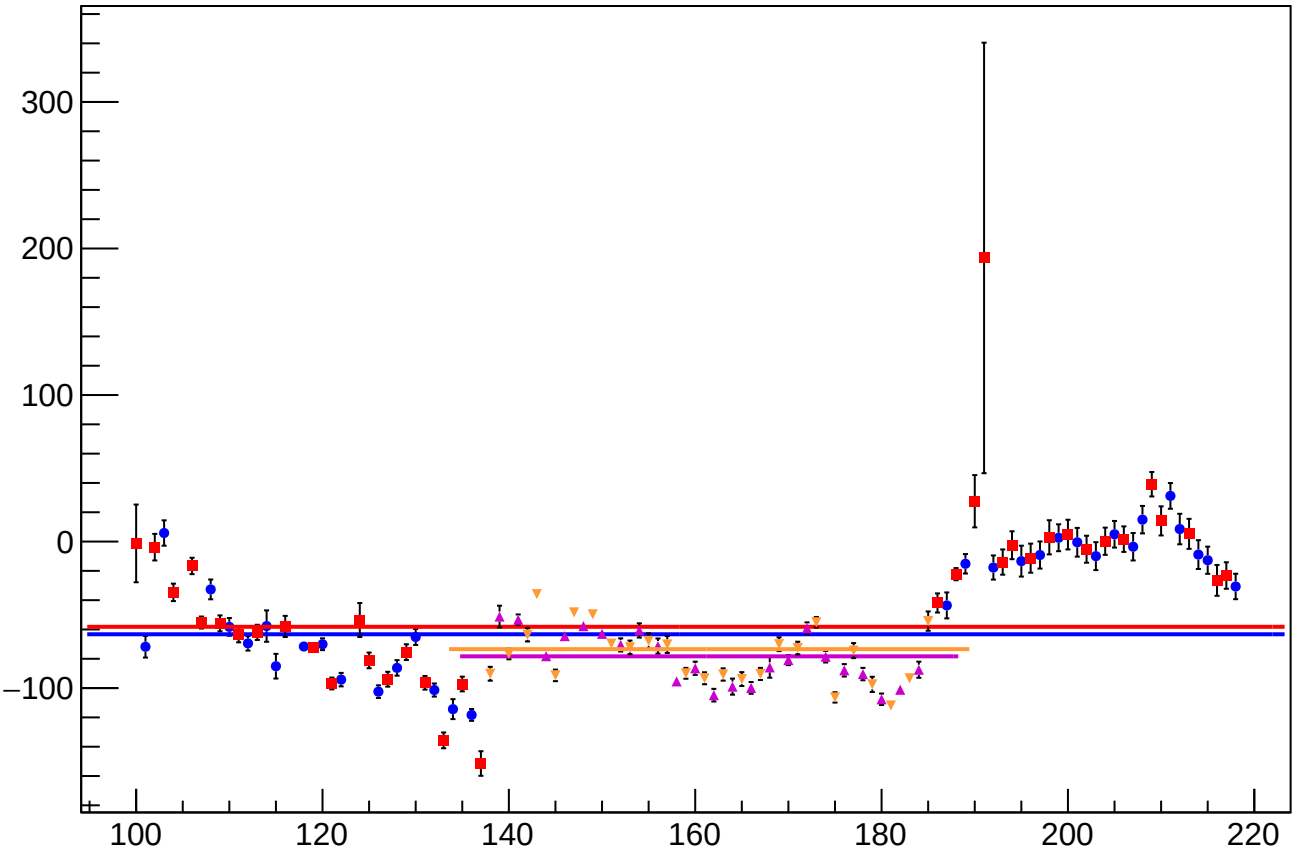
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.508+/-0.584 χ^2/NDF: 9367.8/67

In: -224.219+/-0.643 χ^2/NDF:4547.8/54

Out: -221.810+/-0.589 χ^2/NDF:9648.1/60

All: -222.910+/-0.434 χ^2/NDF: 14203.5/115



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: -58.171+/-1.061 χ^2/NDF: 1387.5/35

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

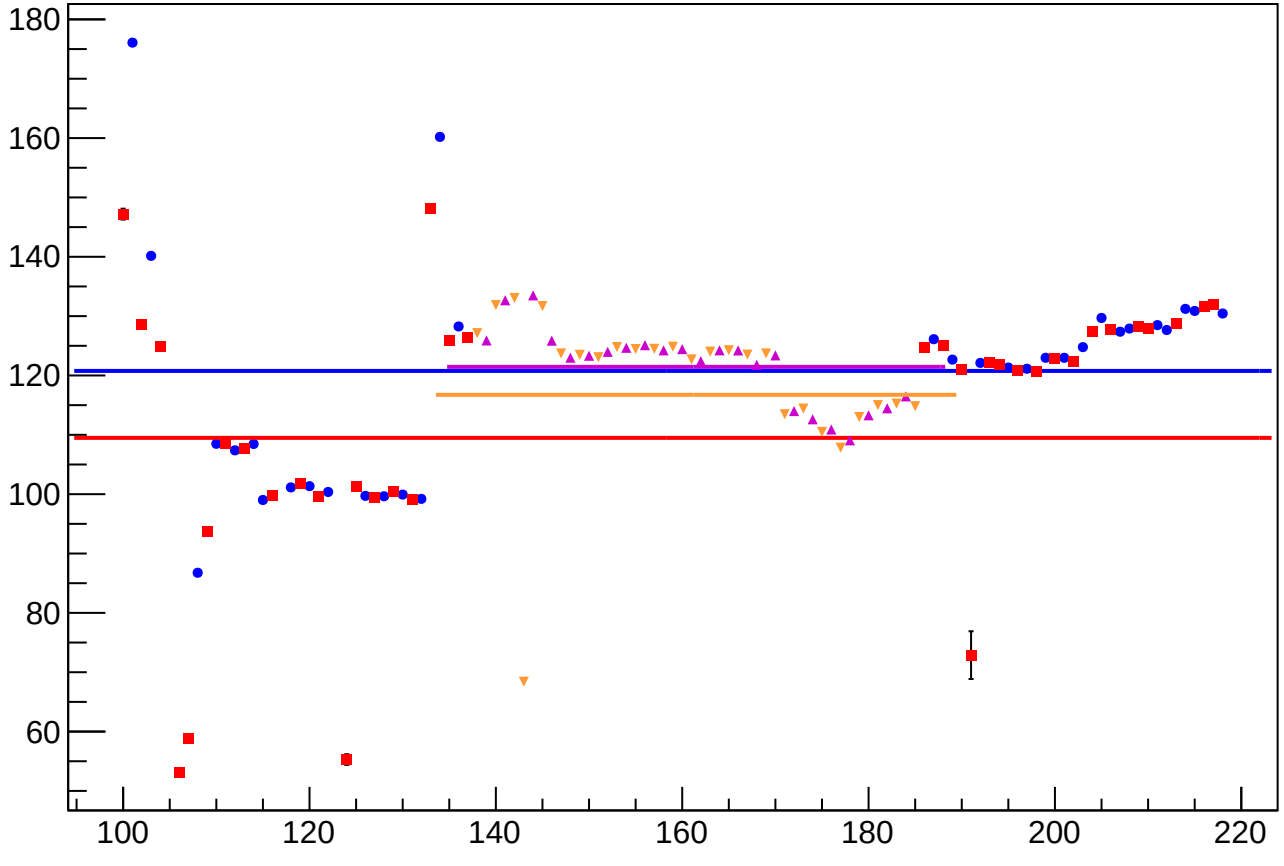
Right: -60.586+/-0.769 χ^2/NDF: 2637.7/67

In: -73.083+/-0.660 χ^2/NDF:1800.8/54

Out: -68.187+/-0.621 χ^2/NDF:2359.9/60

All: -70.489+/-0.452 χ^2/NDF: 4189.8/115

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: 109.489+/-0.054 χ^2/NDF: 216875.2/35

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

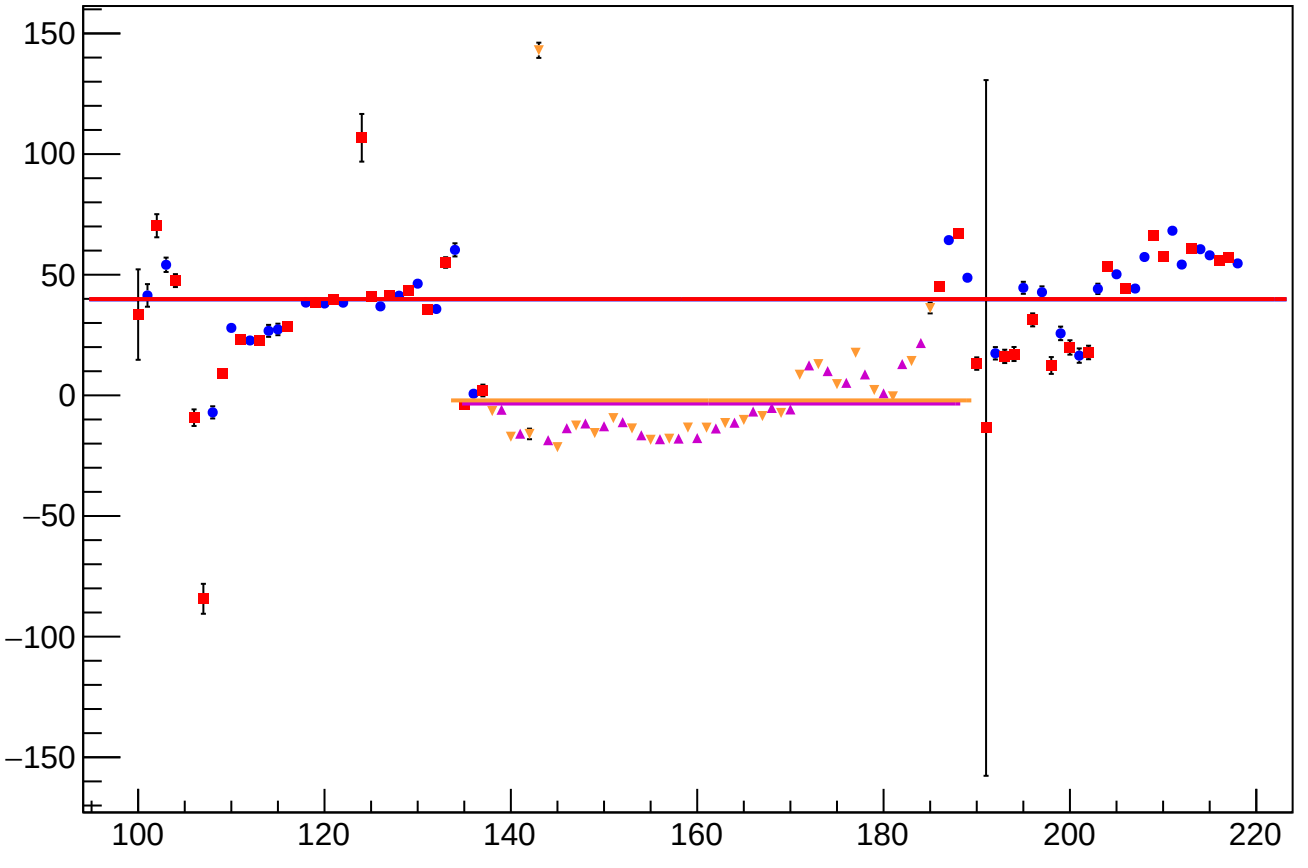
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 114.689+/-0.040 χ^2/NDF: 337009.4/67

In: 121.259+/-0.031 χ^2/NDF:129188.7/54

Out: 114.546+/-0.030 χ^2/NDF:432928.3/60

All: 117.731+/-0.022 χ^2/NDF: 586012.2/115



Right In: 39.768+/-0.311 χ^2/NDF: 3388.4/31

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 39.908+/-0.286 χ^2/NDF: 5514.1/35

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

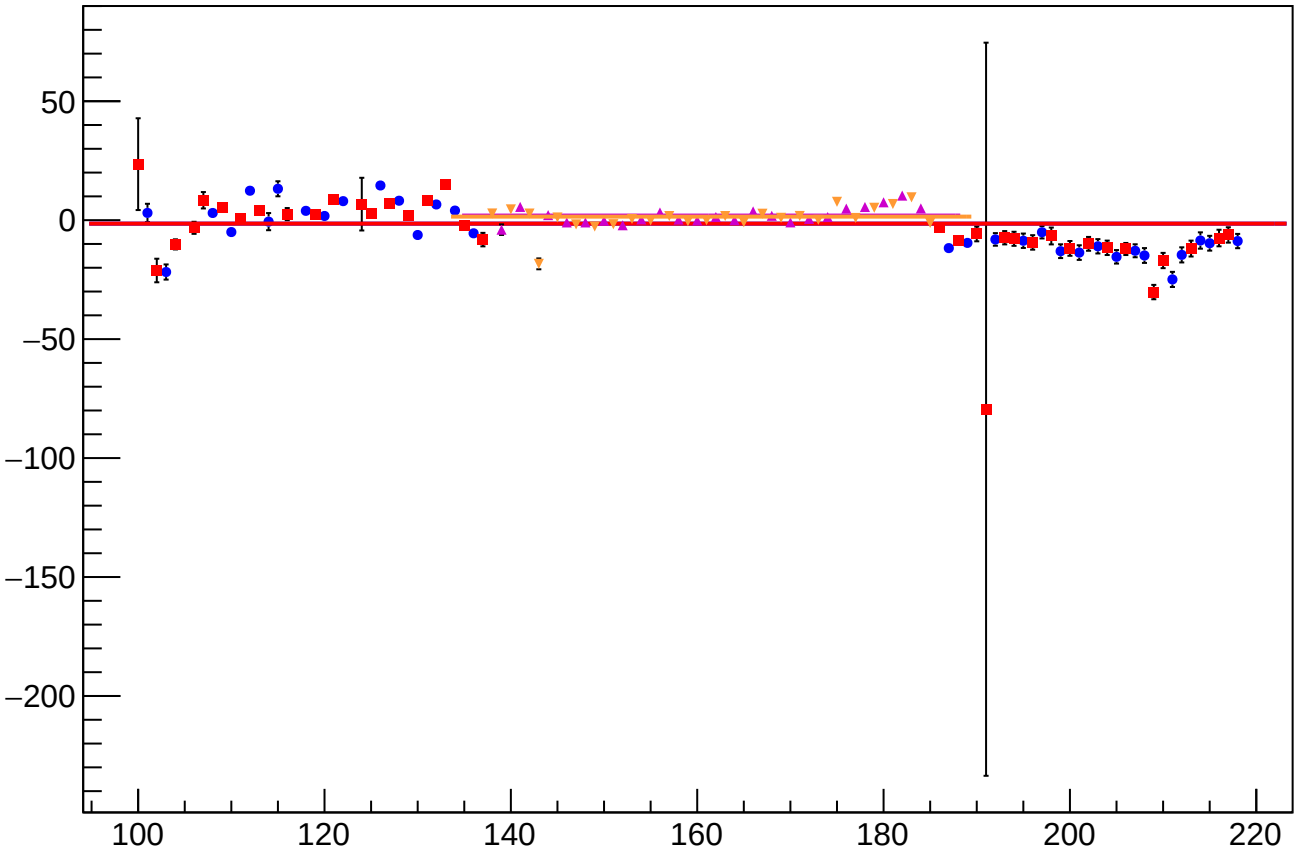
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 39.844+/-0.210 χ^2/NDF: 8902.5/67

In: 15.248+/-0.204 χ^2/NDF:16071.4/54

Out: 17.477+/-0.195 χ^2/NDF:21263.8/60

All: 16.416+/-0.141 χ^2/NDF: 37397.4/115



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: -1.456+/-0.348 χ^2/NDF: 543.9/35

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

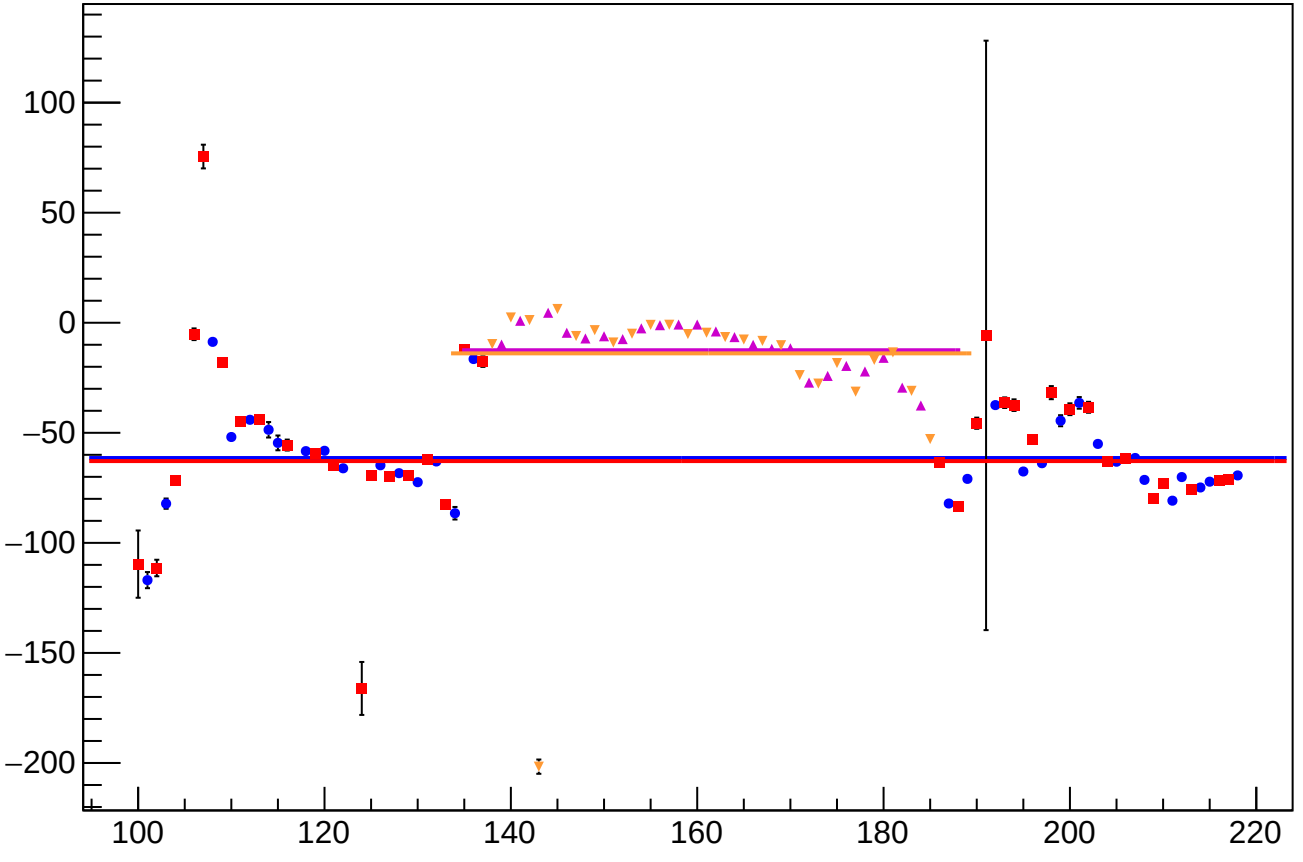
Right: -1.461+/-0.253 χ^2/NDF: 1148.6/67

In: 1.097+/-0.183 χ^2/NDF:909.6/54

Out: 0.730+/-0.177 χ^2/NDF:925.7/60

All: 0.907+/-0.127 χ^2/NDF: 1837.3/115

reg_asym_atl1r2_dd_atl2r1_dd_avg_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: -62.843+/-0.284 χ^2/NDF: 5714.5/35

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

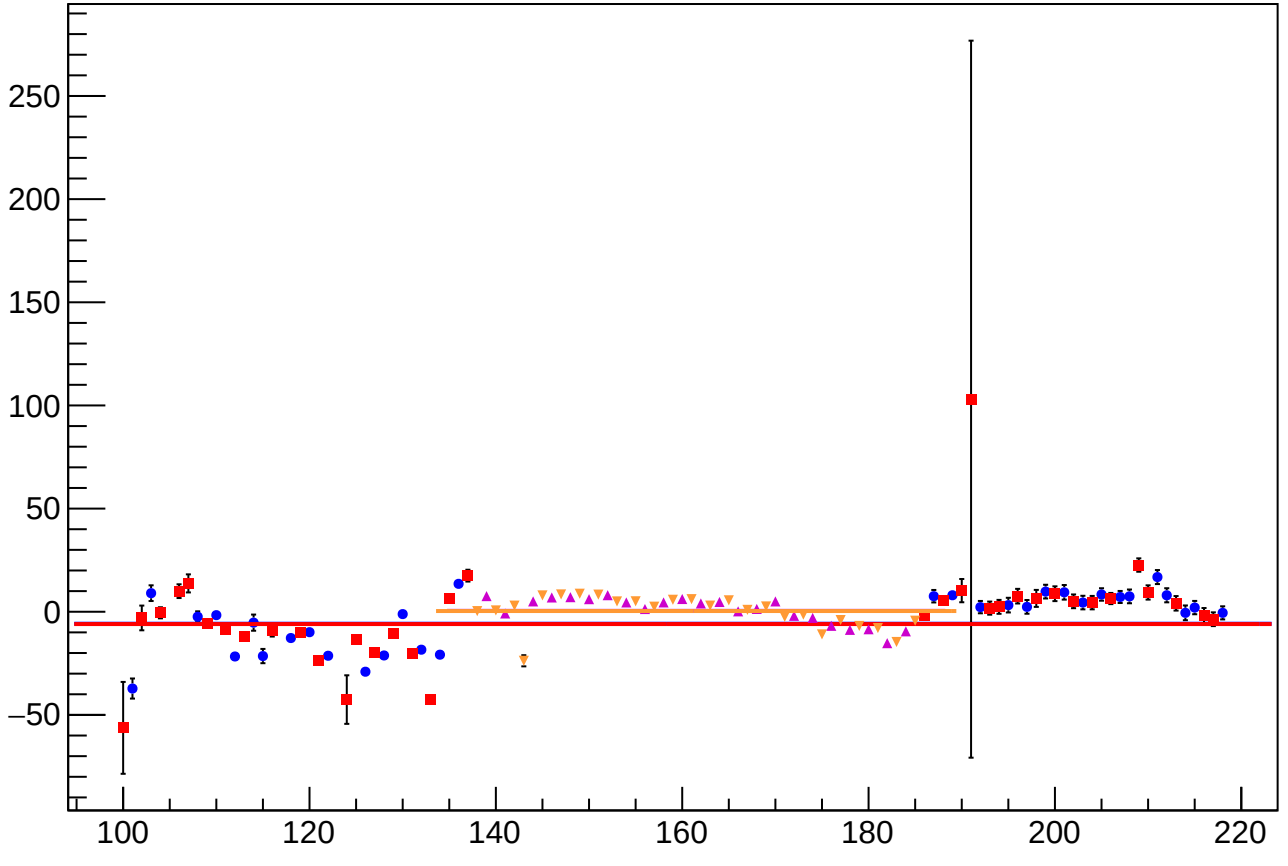
Right: -62.240+/-0.214 χ^2/NDF: 9407.6/67

In: -32.475+/-0.207 χ^2/NDF:18664.6/54

Out: -36.618+/-0.194 χ^2/NDF:26703.3/60

All: -34.681+/-0.141 χ^2/NDF: 45581.7/115

reg_asym_atl1r2_dd_atl2r1_dd_avg_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: -5.966+/-0.415 χ^2/NDF: 1051.9/35

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

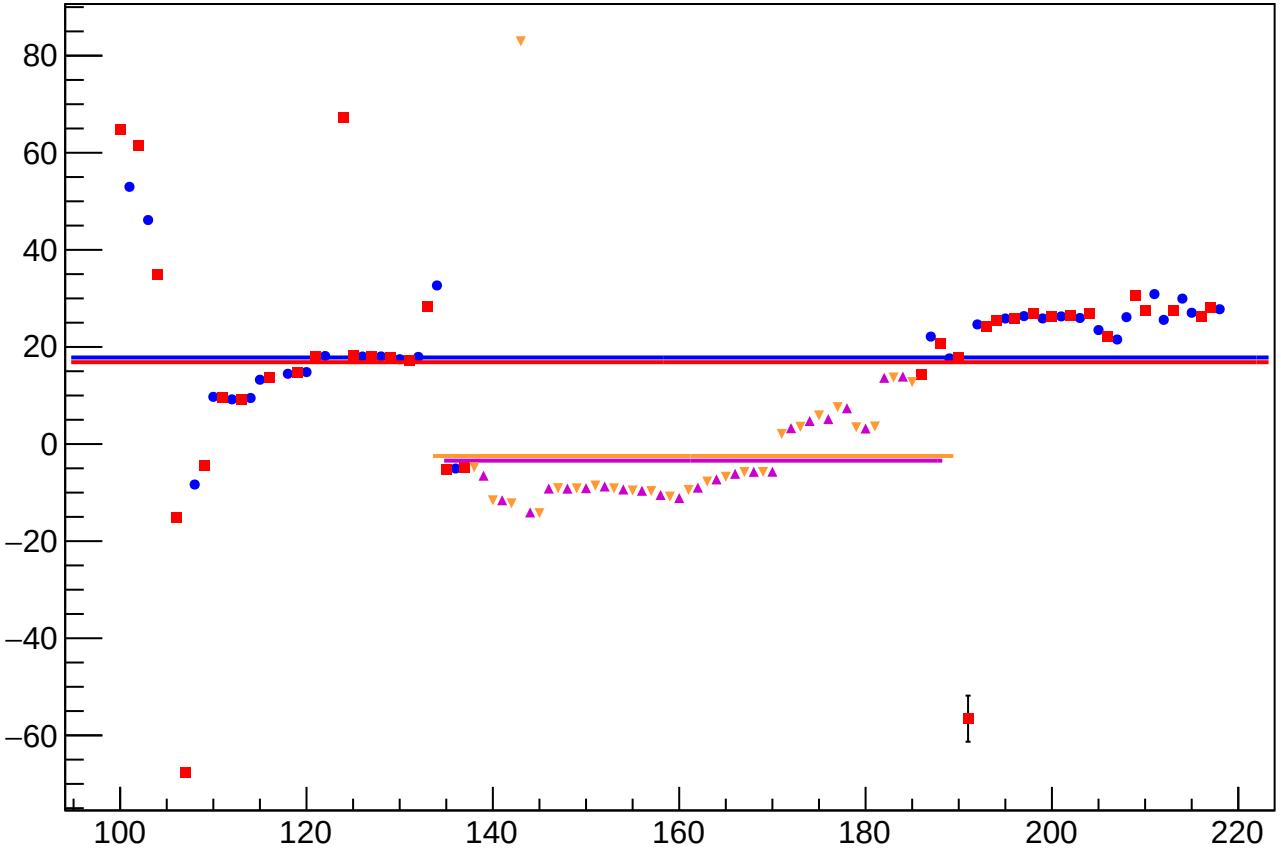
Right: -5.890+/-0.297 χ^2/NDF: 2064.7/67

In: -1.040+/-0.207 χ^2/NDF:1959.1/54

Out: -1.152+/-0.202 χ^2/NDF:2150.3/60

All: -1.097+/-0.145 χ^2/NDF: 4109.5/115

reg_asym_atl1r2_dd_atl2r1_dd_avg_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: 16.862+/-0.022 χ^2/NDF: 580968.4/35

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

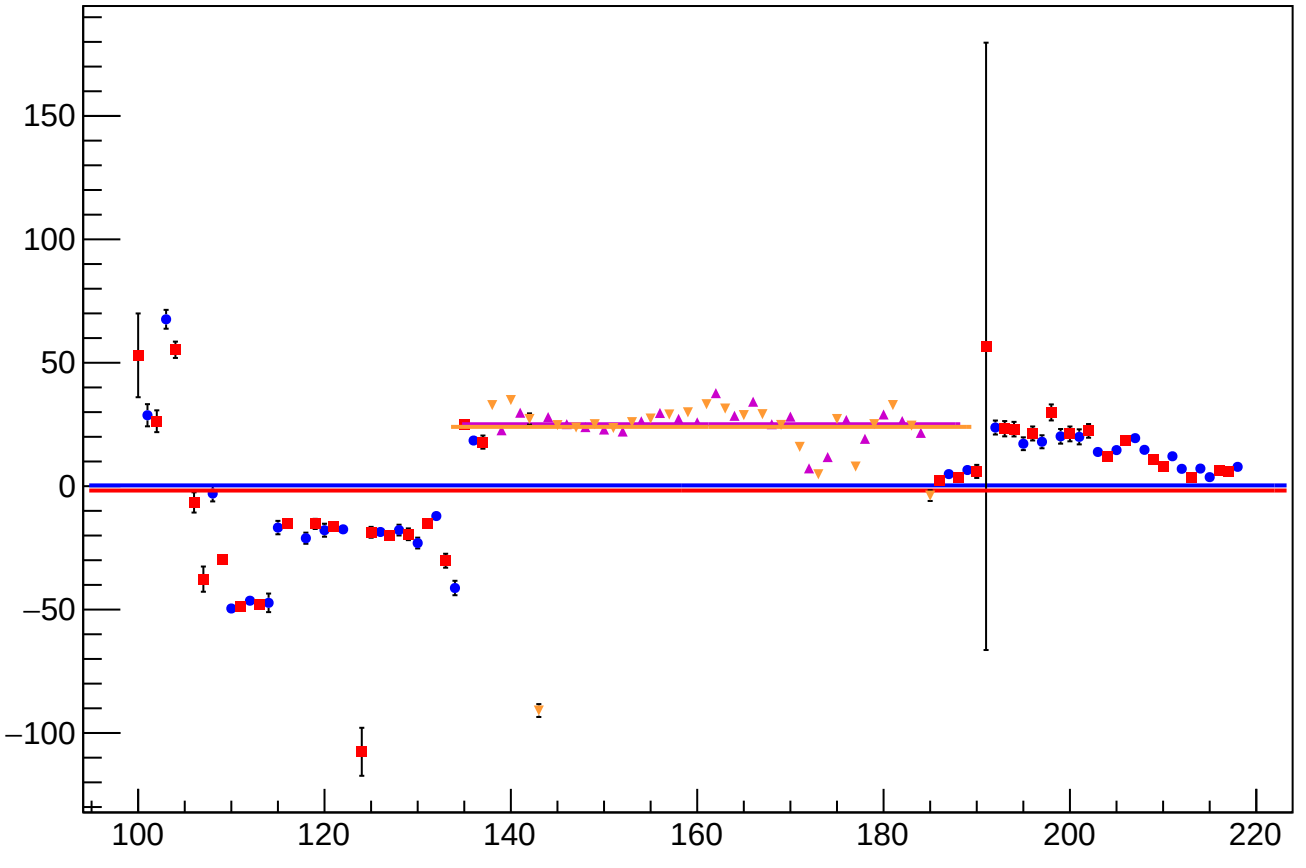
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 17.346+/-0.015 χ^2/NDF: 1040429.3/67

In: 0.613+/-0.009 χ^2/NDF:1791092.7/54

Out: 1.168+/-0.009 χ^2/NDF:2195098.7/60

All: 0.892+/-0.007 χ^2/NDF: 3987946.0/115



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: -1.767+/-0.337 χ^2/NDF: 3941.8/35

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

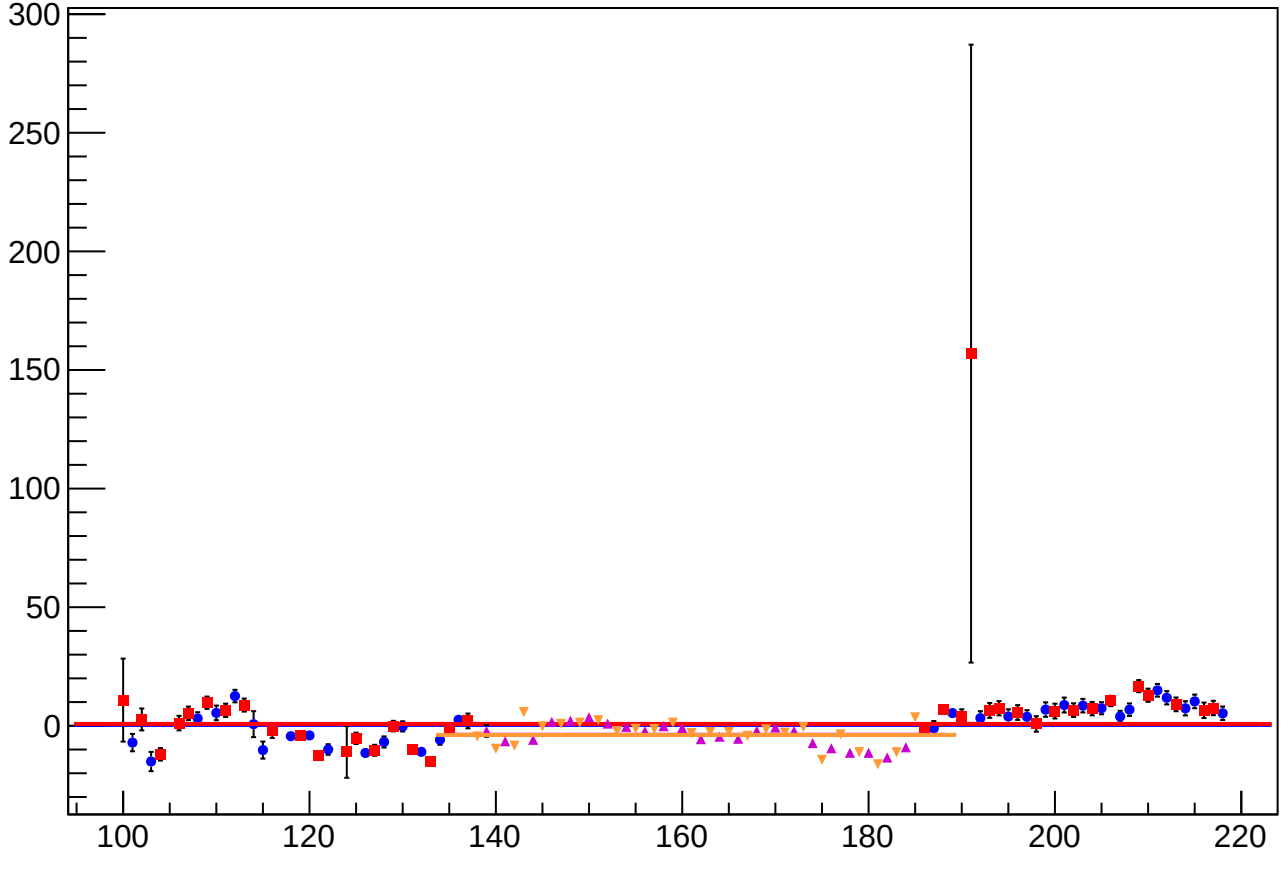
Right: -0.757+/-0.242 χ^2/NDF: 7693.3/67

In: 15.024+/-0.221 χ^2/NDF:7251.4/54

Out: 13.415+/-0.216 χ^2/NDF:10184.8/60

All: 14.201+/-0.155 χ^2/NDF: 17463.3/115

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: 0.798+/-0.420 χ^2/NDF: 363.6/35

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

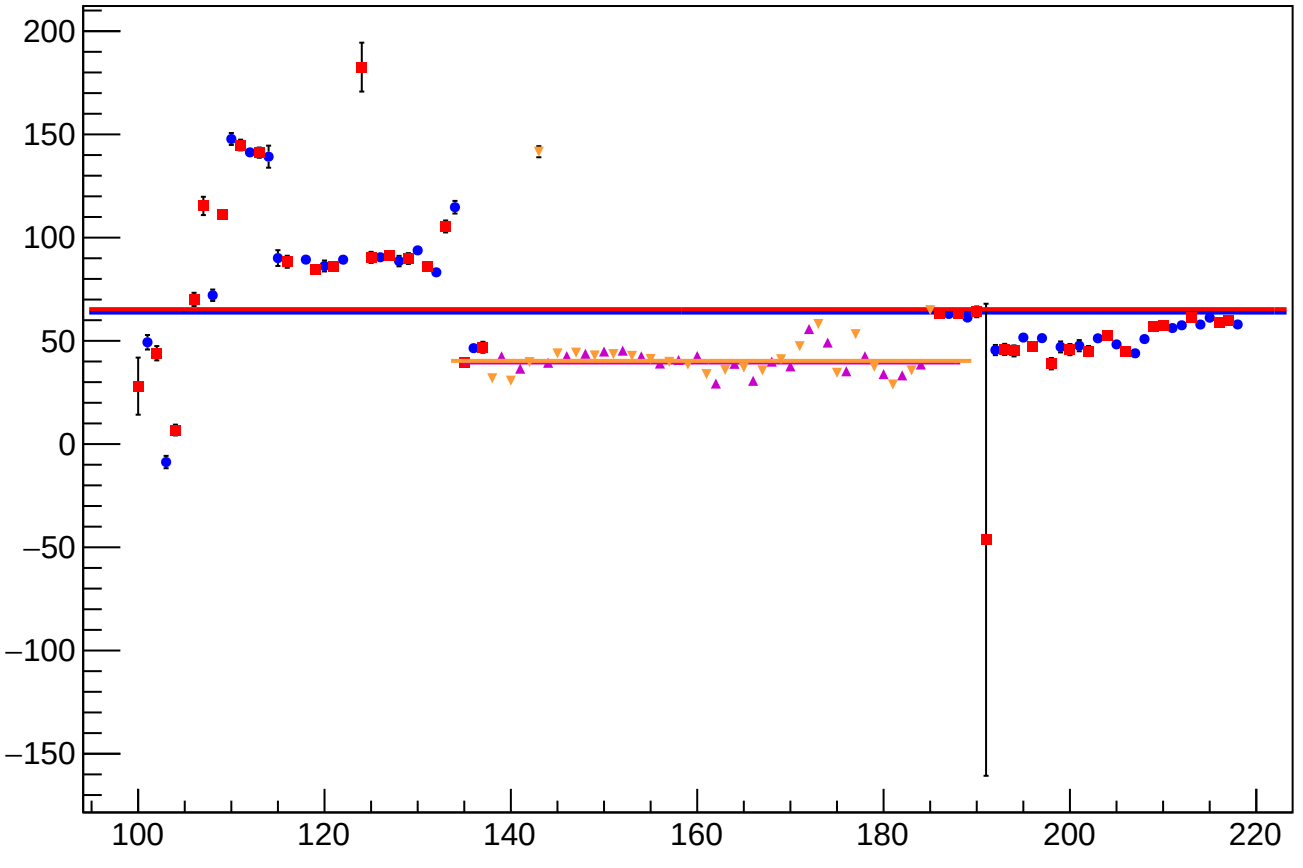
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: 0.595+/-0.301 χ^2/NDF: 653.6/67

In: -2.897+/-0.198 χ^2/NDF:872.9/54

Out: -2.861+/-0.193 χ^2/NDF:1109.3/60

All: -2.879+/-0.138 χ^2/NDF: 1982.2/115



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: 65.360+/-0.340 χ^2/NDF: 4856.7/35

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

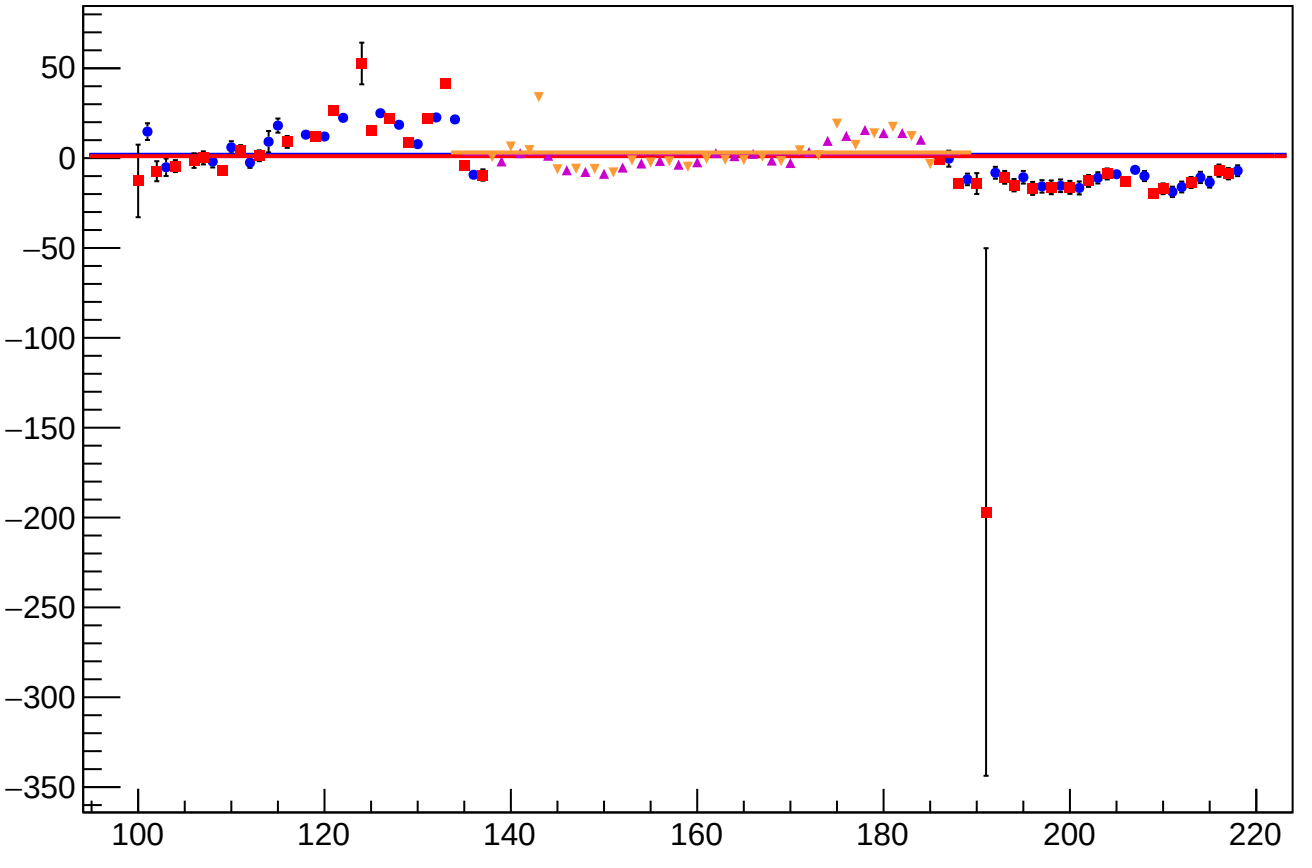
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 64.574+/-0.247 χ^2/NDF: 9556.9/67

In: 48.838+/-0.223 χ^2/NDF:7906.7/54

Out: 50.438+/-0.216 χ^2/NDF:10269.8/60

All: 49.664+/-0.155 χ^2/NDF: 18203.0/115



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: 1.091+/-0.490 χ^2/NDF: 1042.2/35

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

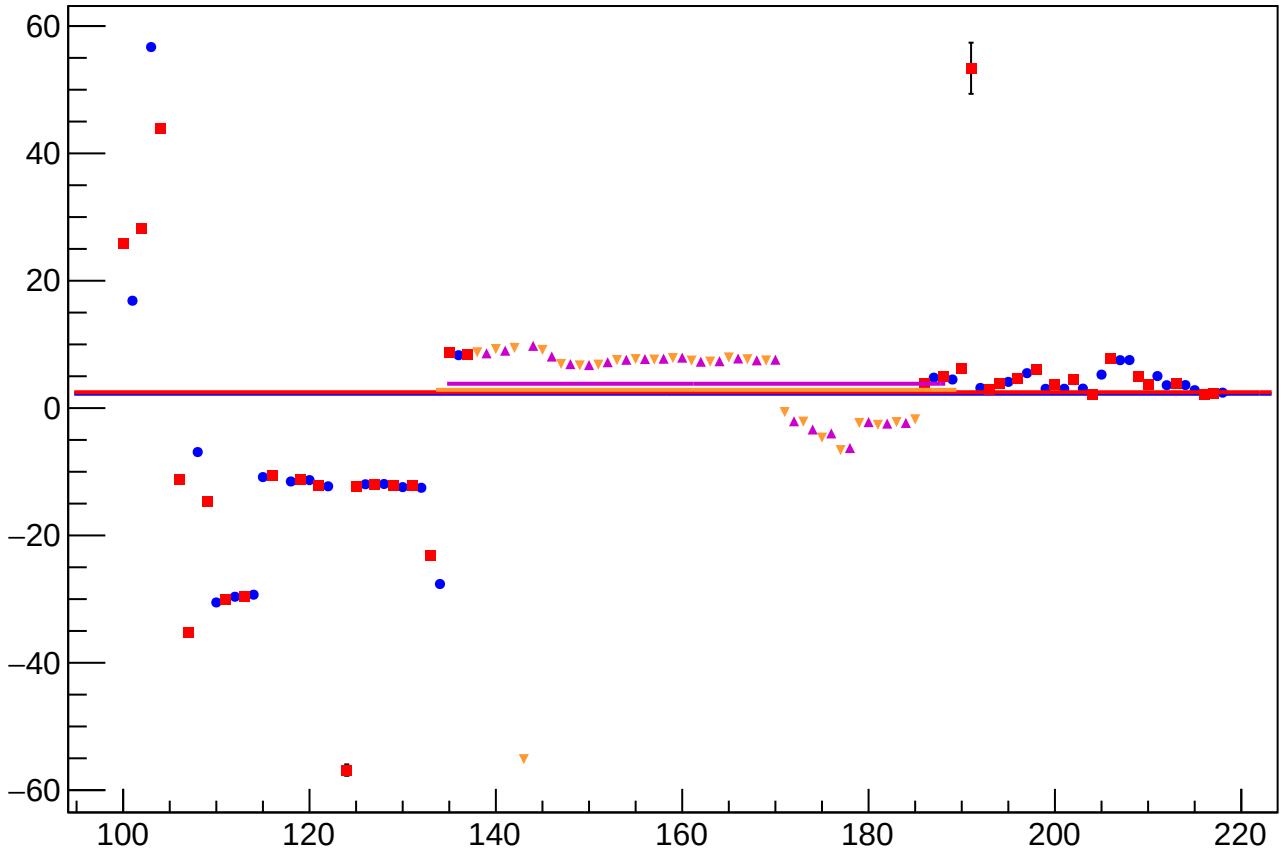
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 1.482+/-0.346 χ^2/NDF: 1902.8/67

In: 2.384+/-0.223 χ^2/NDF:1828.8/54

Out: 2.730+/-0.219 χ^2/NDF:2323.2/60

All: 2.560+/-0.157 χ^2/NDF: 4153.3/115



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: 2.490+/-0.024 χ^2/NDF: 330761.8/35

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

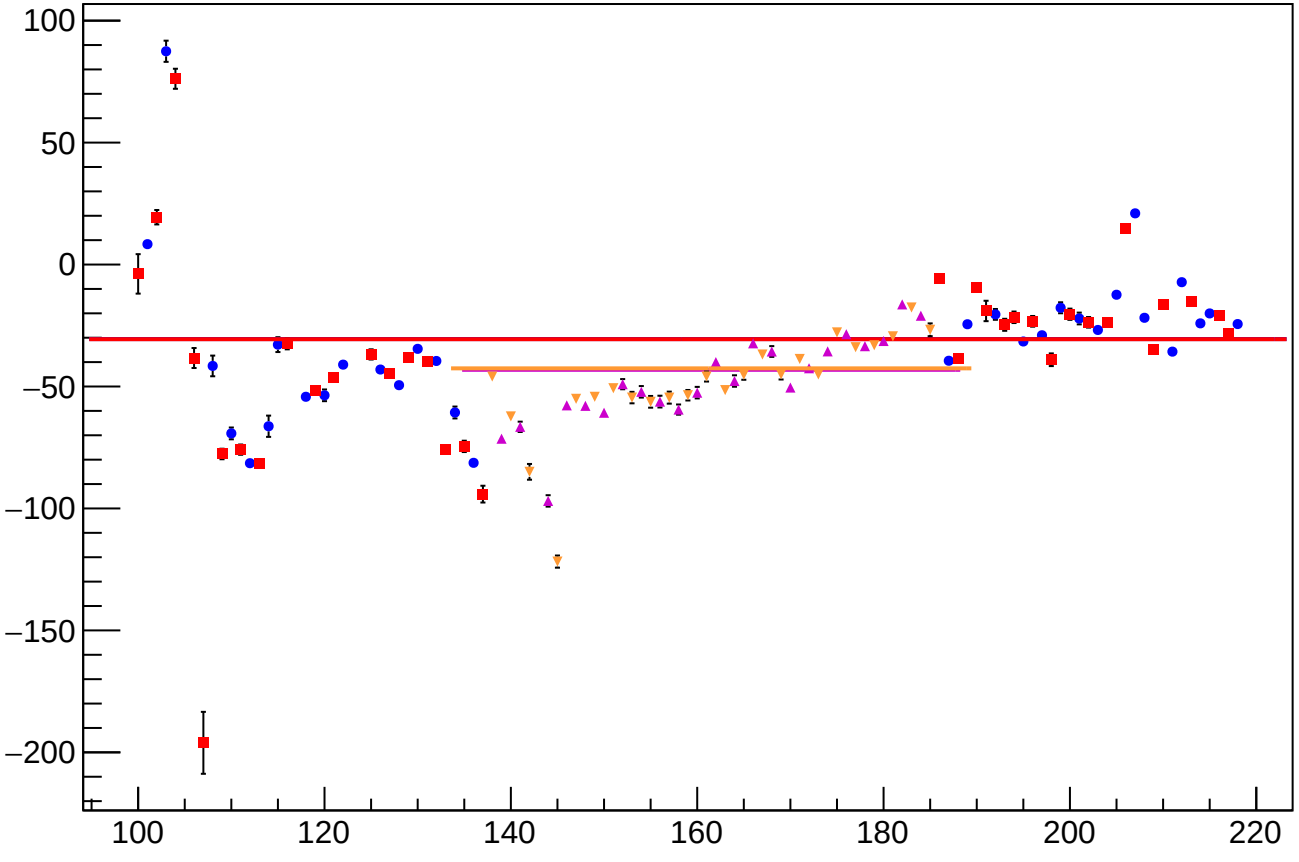
Right: 2.372+/-0.017 χ^2/NDF: 713827.5/67

In: 3.536+/-0.010 χ^2/NDF:619929.2/54

Out: 2.802+/-0.010 χ^2/NDF:843306.3/60

All: 3.166+/-0.007 χ^2/NDF: 1465929.0/115

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: -30.603+/-0.301 χ^2/NDF: 6554.9/34

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

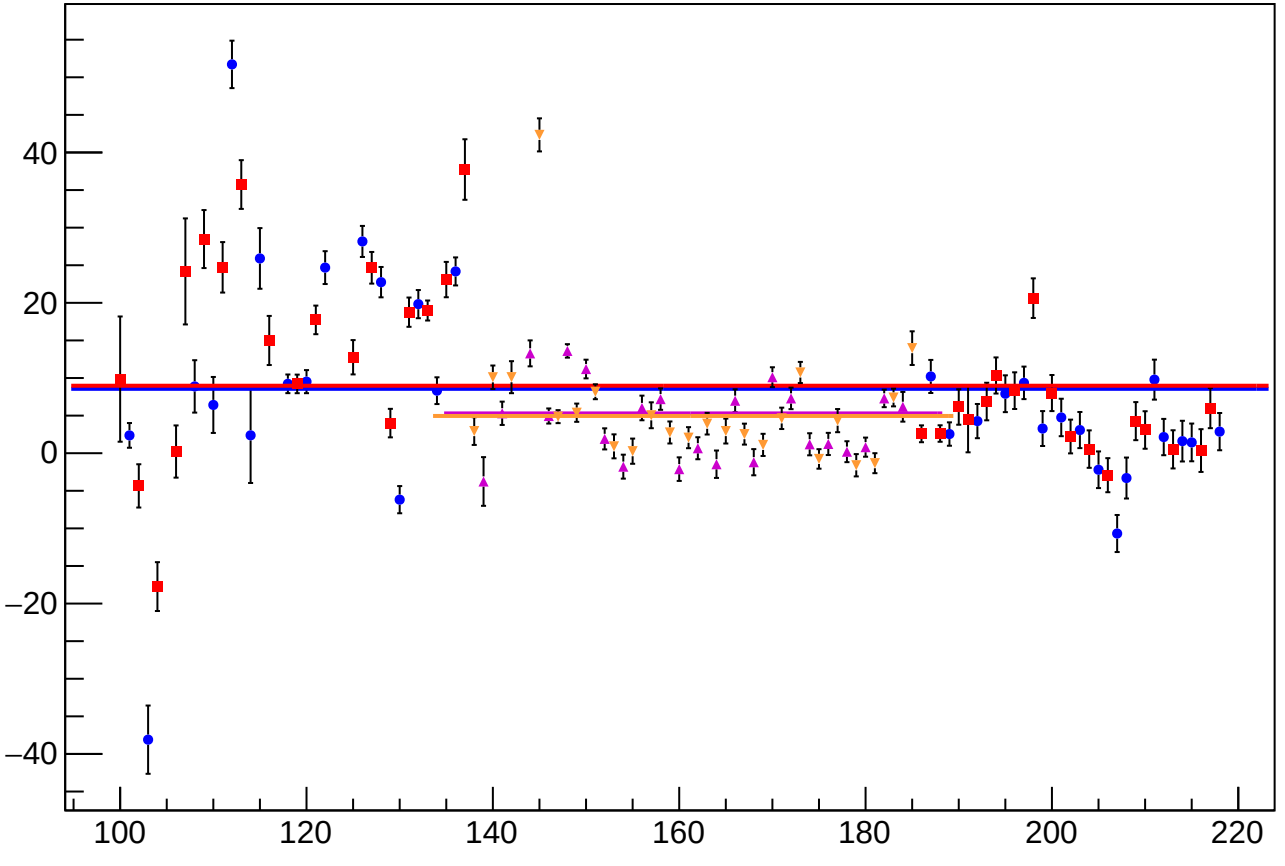
Right: -30.582+/-0.219 χ^2/NDF: 12002.6/66

In: -35.730+/-0.244 χ^2/NDF:8296.4/54

Out: -35.246+/-0.236 χ^2/NDF:9492.5/58

All: -35.479+/-0.170 χ^2/NDF: 17790.9/113

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 8.975+/-0.369 χ^2/NDF: 642.4/34

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

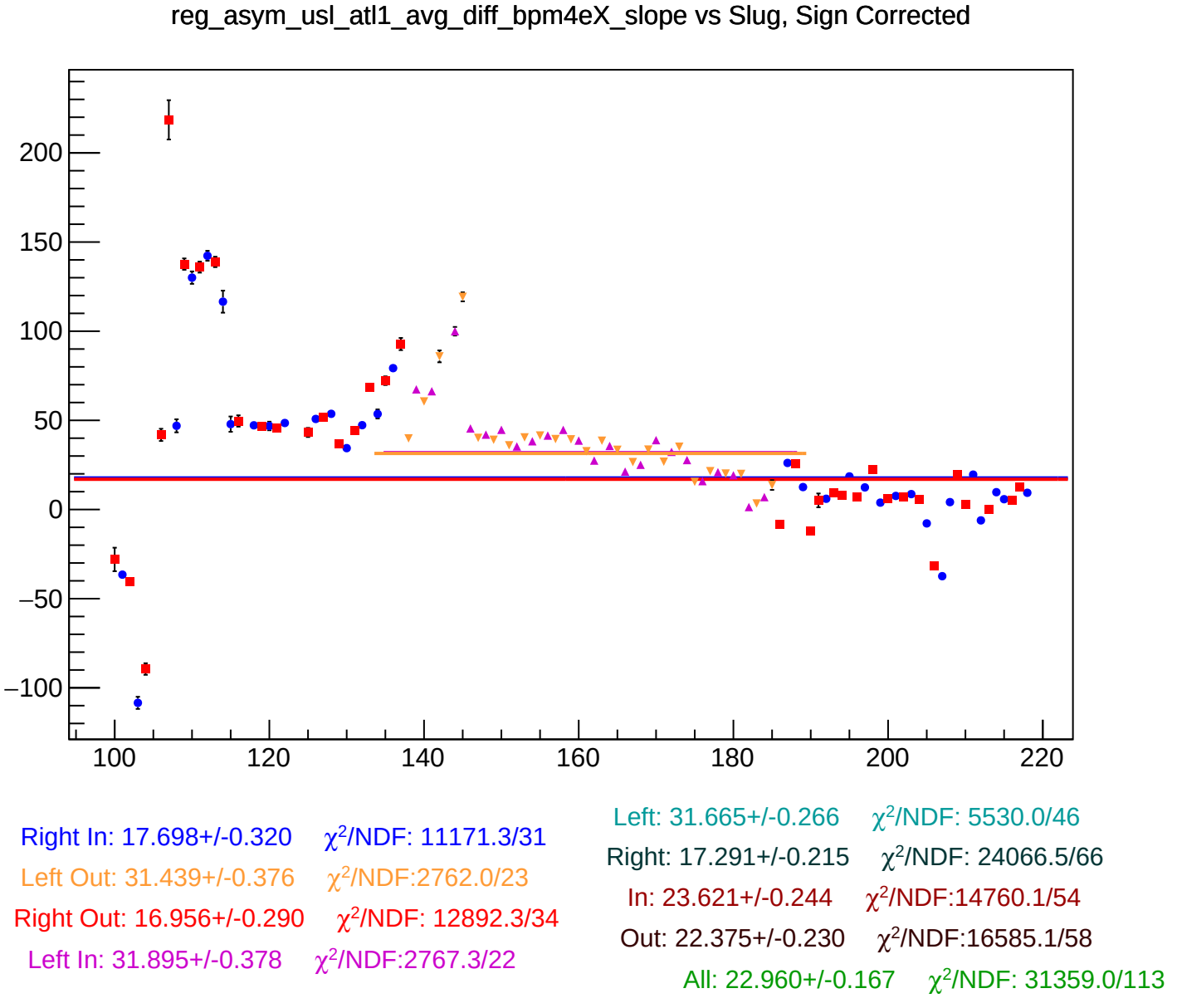
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

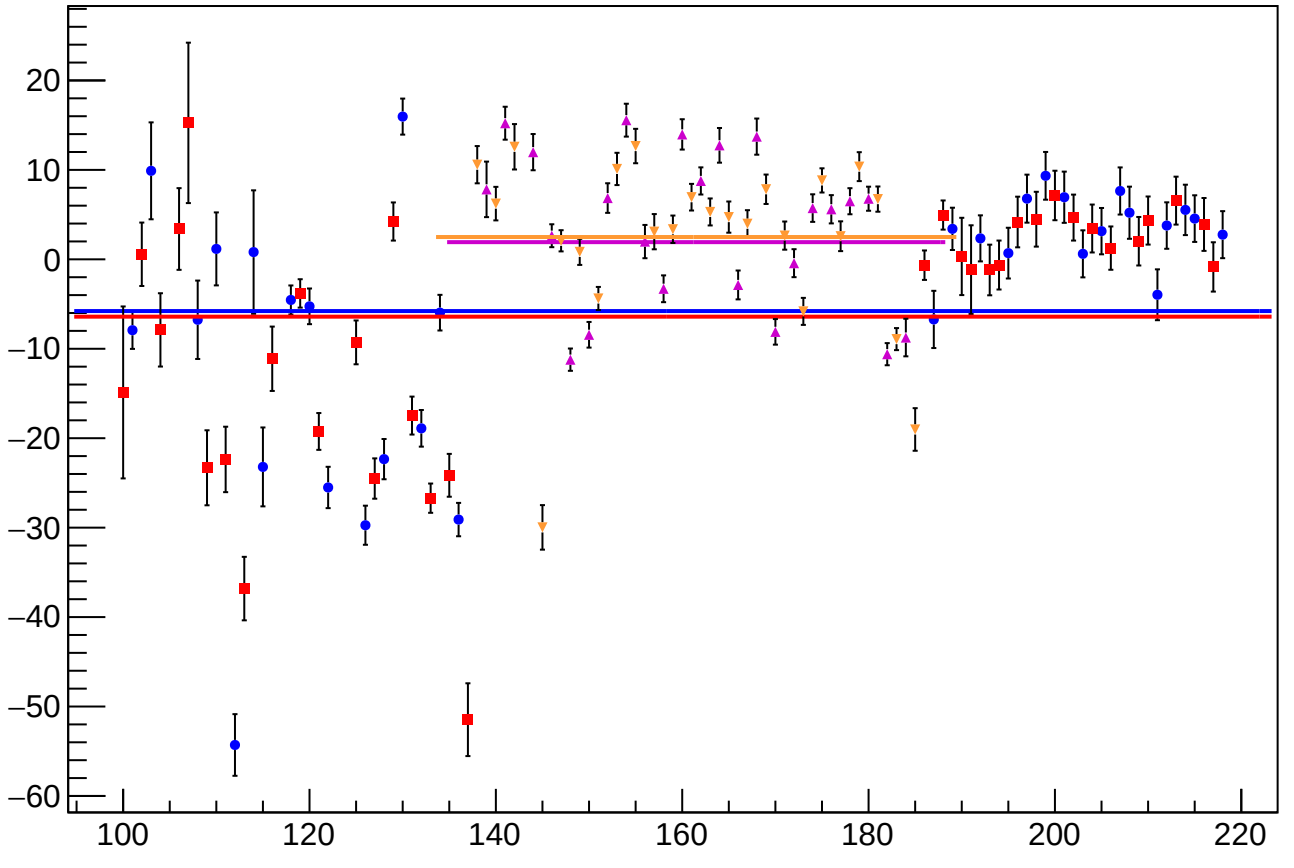
Right: 8.779+/-0.267 χ^2/NDF: 1495.8/66

In: 6.489+/-0.234 χ^2/NDF:1184.4/54

Out: 6.479+/-0.227 χ^2/NDF:1165.1/58

All: 6.484+/-0.163 χ^2/NDF: 2349.5/113


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: 16.956+/-0.290 χ²/NDF: 12892.3/34
Left In: 31.895+/-0.378 χ²/NDF:2767.3/22
Left: 31.665+/-0.266 χ²/NDF: 5530.0/46
Right: 17.291+/-0.215 χ²/NDF: 24066.5/66
In: 23.621+/-0.244 χ²/NDF:14760.1/54
Out: 22.375+/-0.230 χ²/NDF:16585.1/58
All: 22.960+/-0.167 χ²/NDF: 31359.0/113



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: -6.410+/-0.442 χ^2/NDF: 846.6/34

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

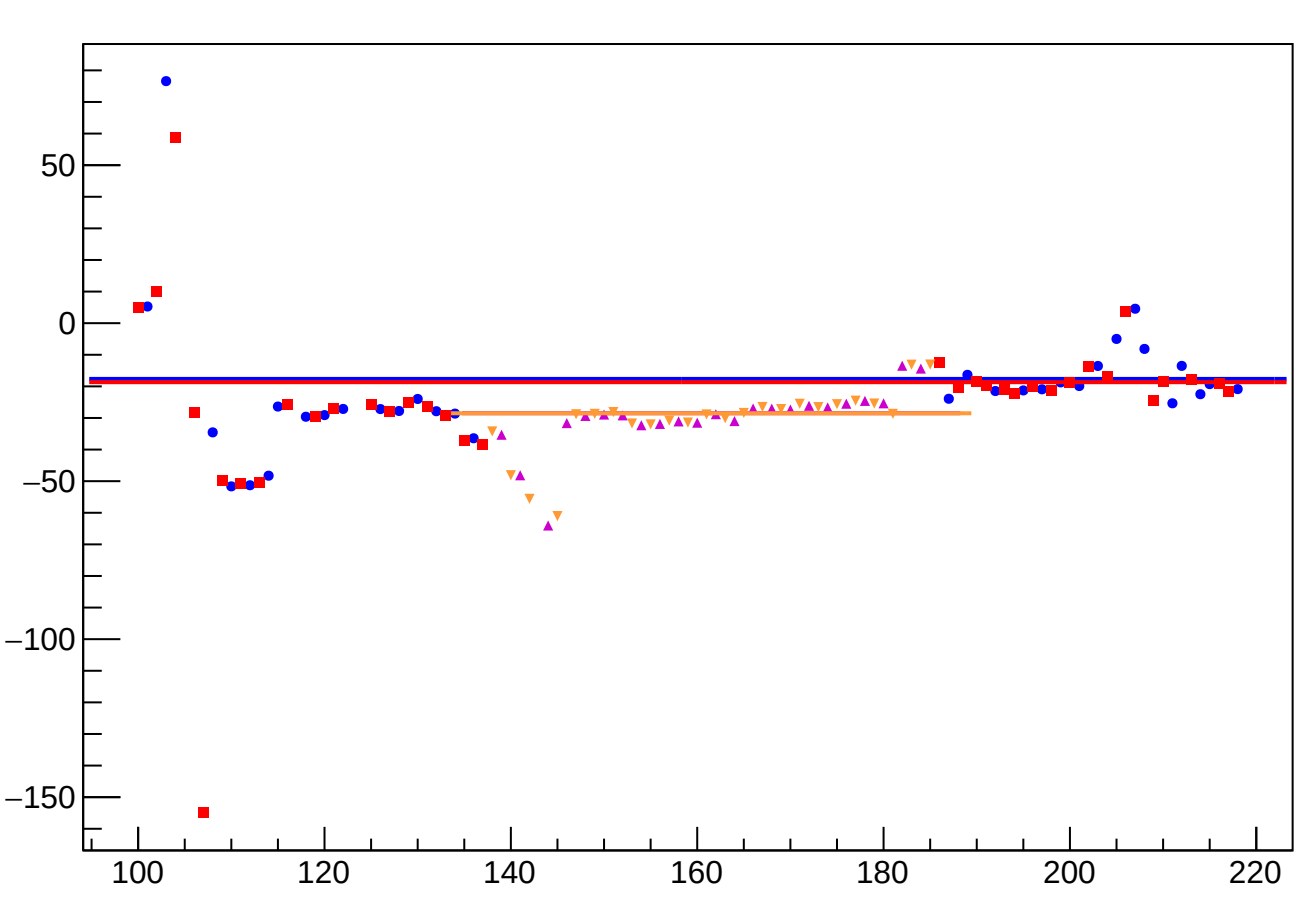
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -6.102+/-0.315 χ^2/NDF: 1854.4/66

In: -0.809+/-0.267 χ^2/NDF:1876.5/54

Out: -0.655+/-0.263 χ^2/NDF:1668.0/58

All: -0.731+/-0.187 χ^2/NDF: 3544.6/113



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: -18.676+/-0.021 χ^2/NDF: 625722.6/34

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

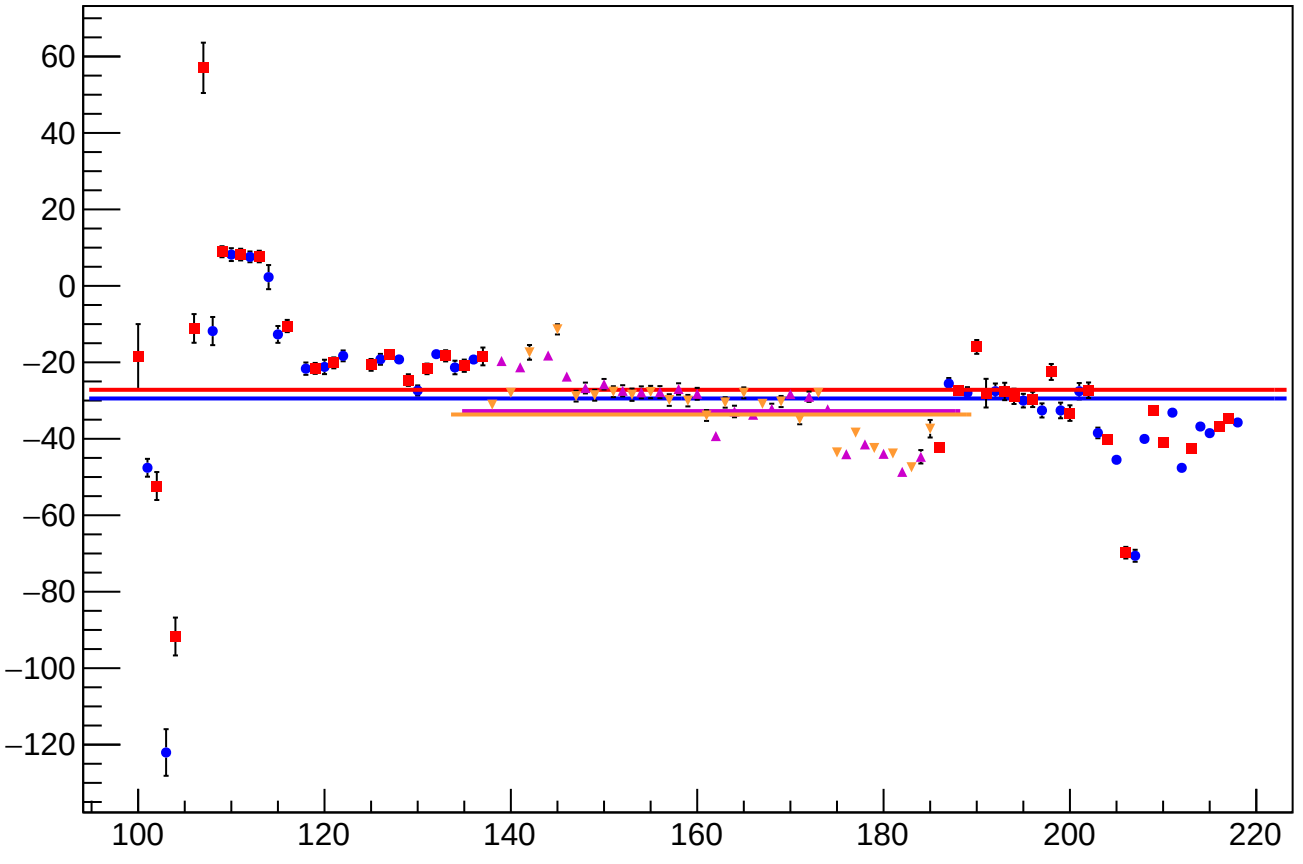
Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

Right: -18.165+/-0.015 χ^2/NDF: 1359863.0/66

In: -24.912+/-0.012 χ^2/NDF:1198073.9/54

Out: -25.209+/-0.012 χ^2/NDF:1108595.5/58

All: -25.062+/-0.009 χ^2/NDF: 2306971.3/113



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: -27.185+/-0.256 χ^2/NDF: 4016.3/34

Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

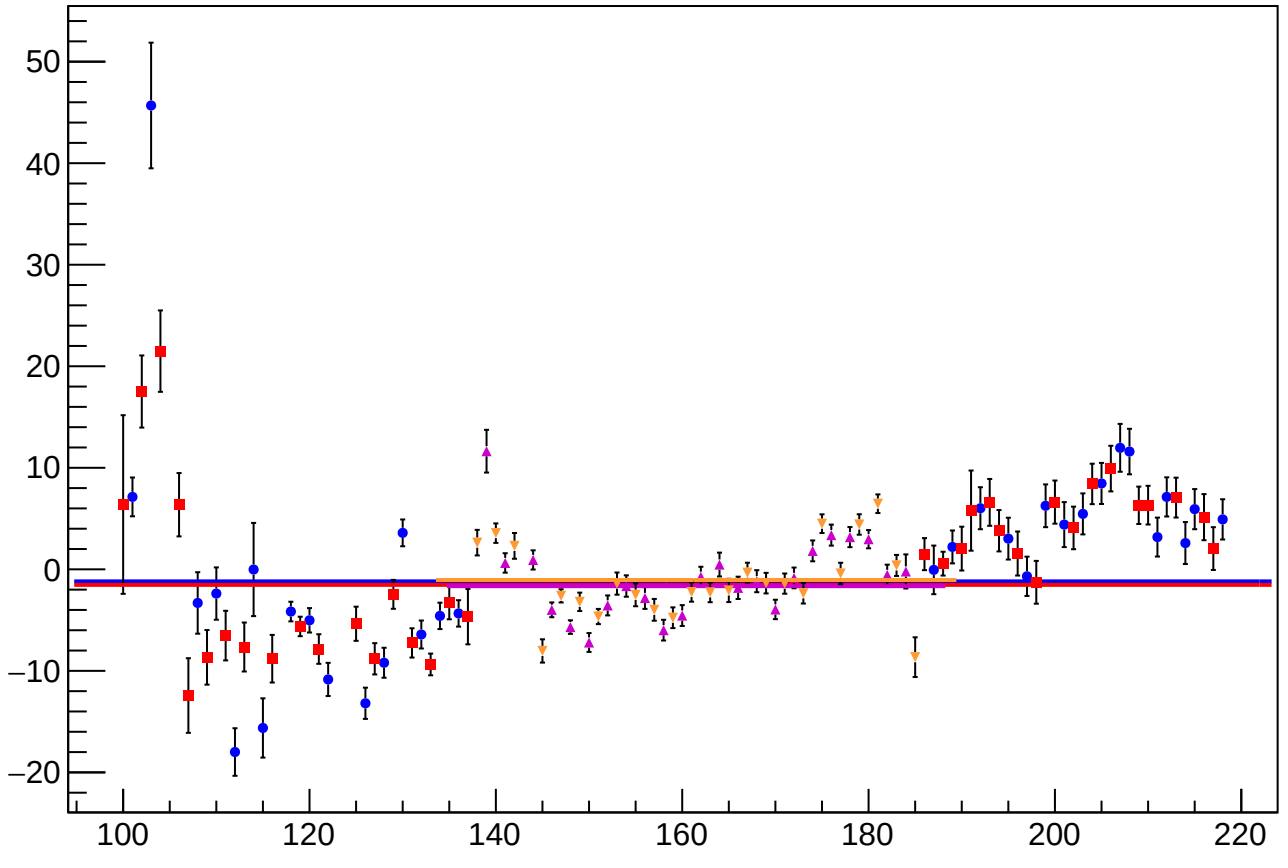
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -28.315+/-0.181 χ^2/NDF: 7569.5/66

In: -31.029+/-0.186 χ^2/NDF:4736.0/54

Out: -30.297+/-0.184 χ^2/NDF:5339.7/58

All: -30.660+/-0.131 χ^2/NDF: 10083.6/113



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: -1.530+/-0.315 χ^2/NDF: 414.8/34

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

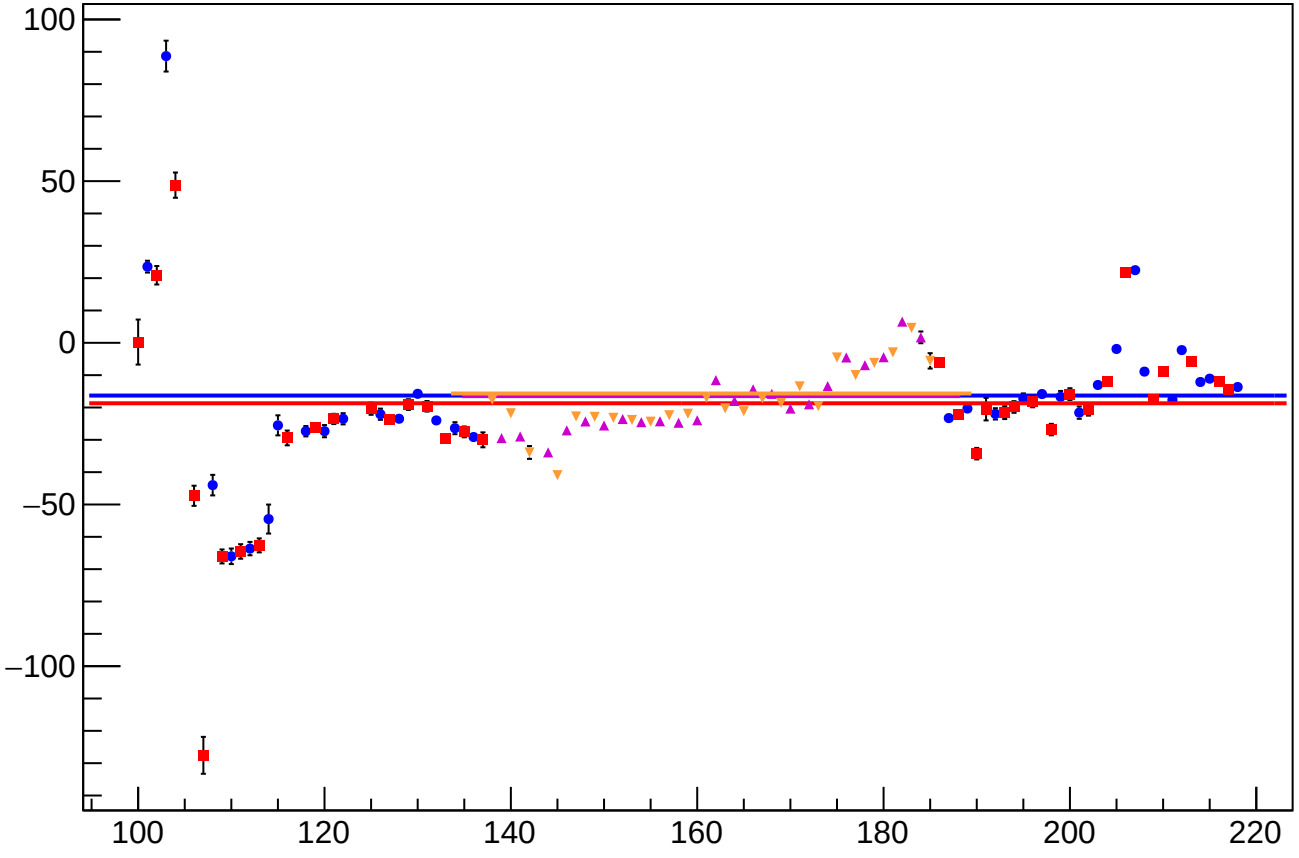
Right: -1.360+/-0.223 χ^2/NDF: 940.3/66

In: -1.517+/-0.173 χ^2/NDF:790.8/54

Out: -1.191+/-0.171 χ^2/NDF:705.8/58

All: -1.352+/-0.121 χ^2/NDF: 1498.5/113

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: -18.699+/-0.261 χ^2/NDF: 3763.8/34

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

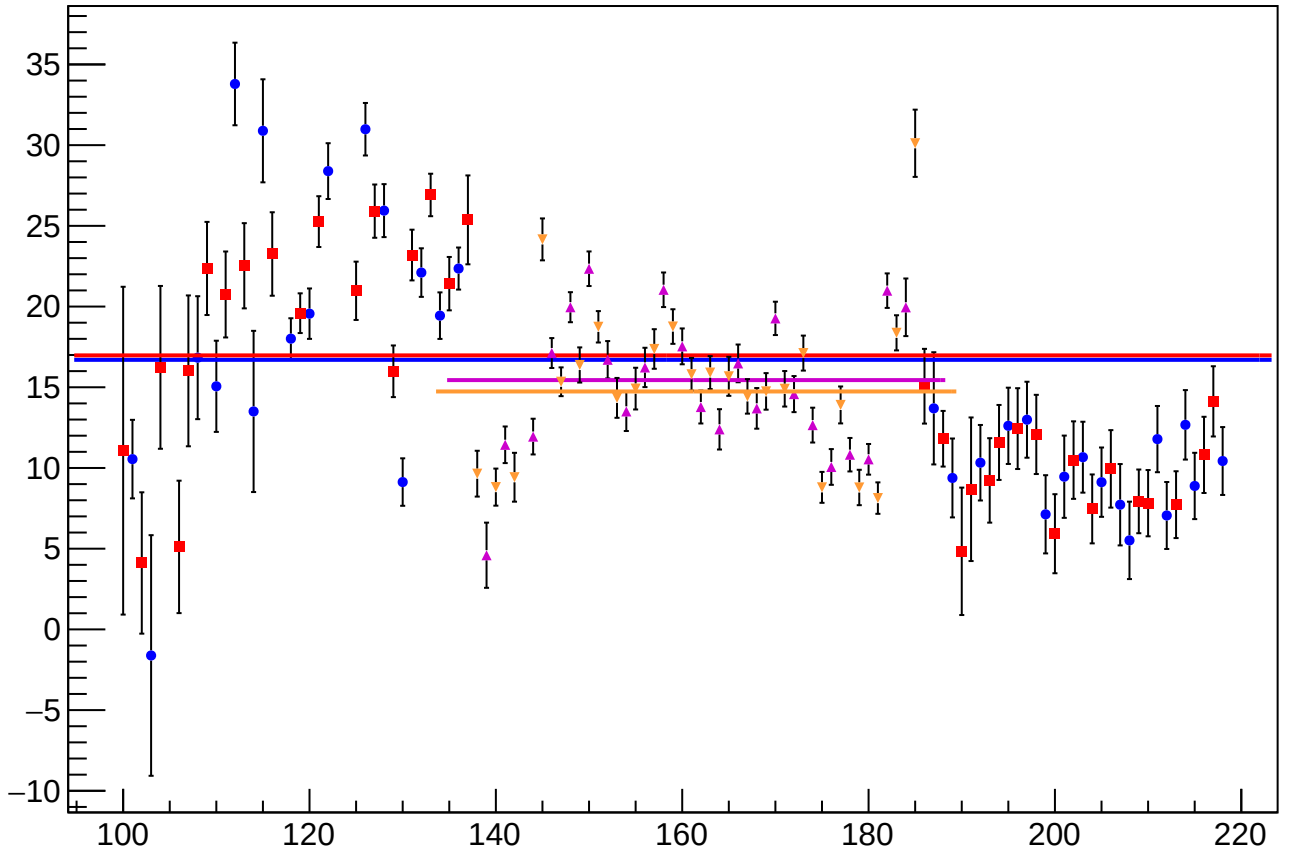
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -17.535+/-0.186 χ^2/NDF: 7284.9/66

In: -16.397+/-0.188 χ^2/NDF:5178.1/54

Out: -17.201+/-0.185 χ^2/NDF:5351.4/58

All: -16.806+/-0.132 χ^2/NDF: 10538.7/113



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: 16.975+/-0.365 χ^2/NDF: 358.8/34

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

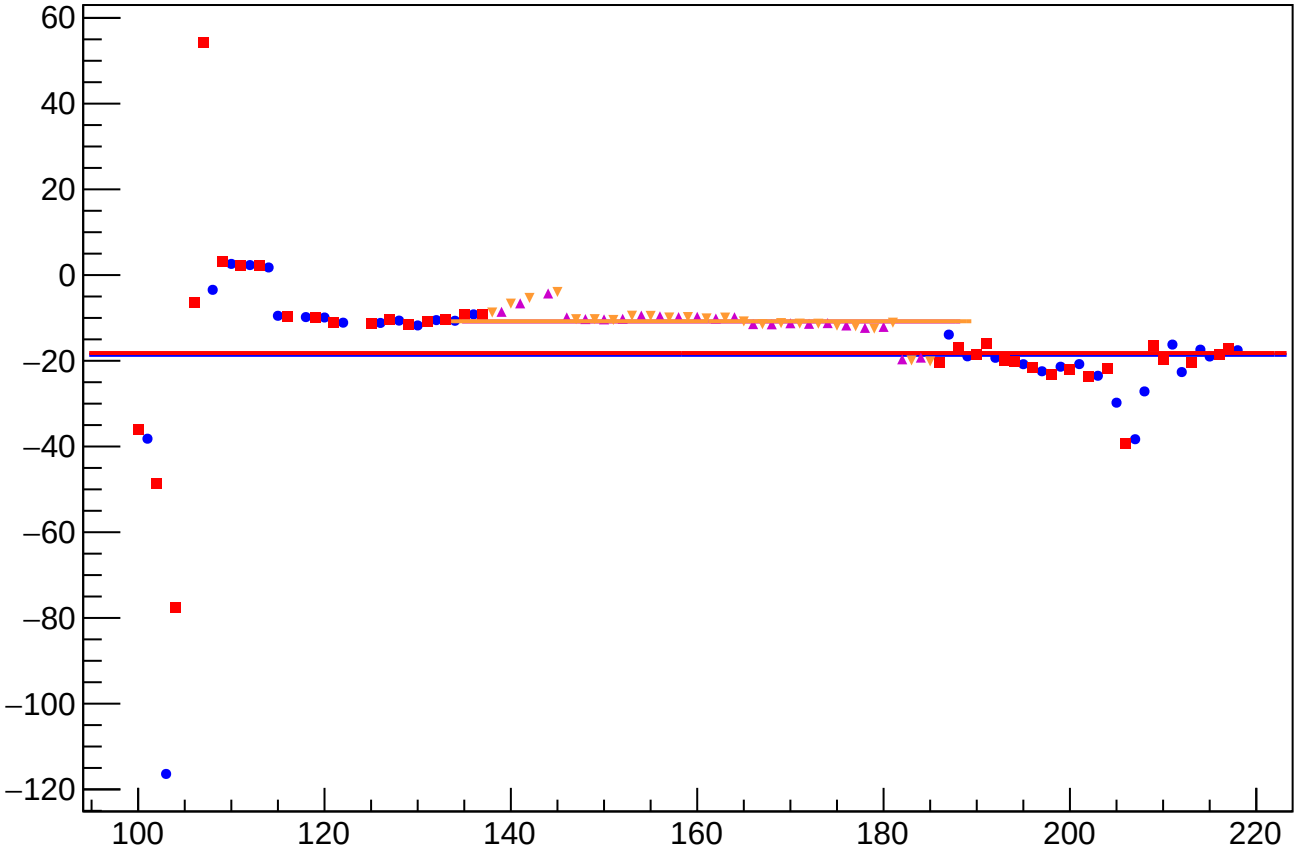
Right: 16.835+/-0.256 χ^2/NDF: 812.5/66

In: 15.817+/-0.195 χ^2/NDF:752.4/54

Out: 15.374+/-0.194 χ^2/NDF:716.6/58

All: 15.594+/-0.138 χ^2/NDF: 1471.6/113

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: -18.190+/-0.018 χ^2/NDF: 433329.1/34

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

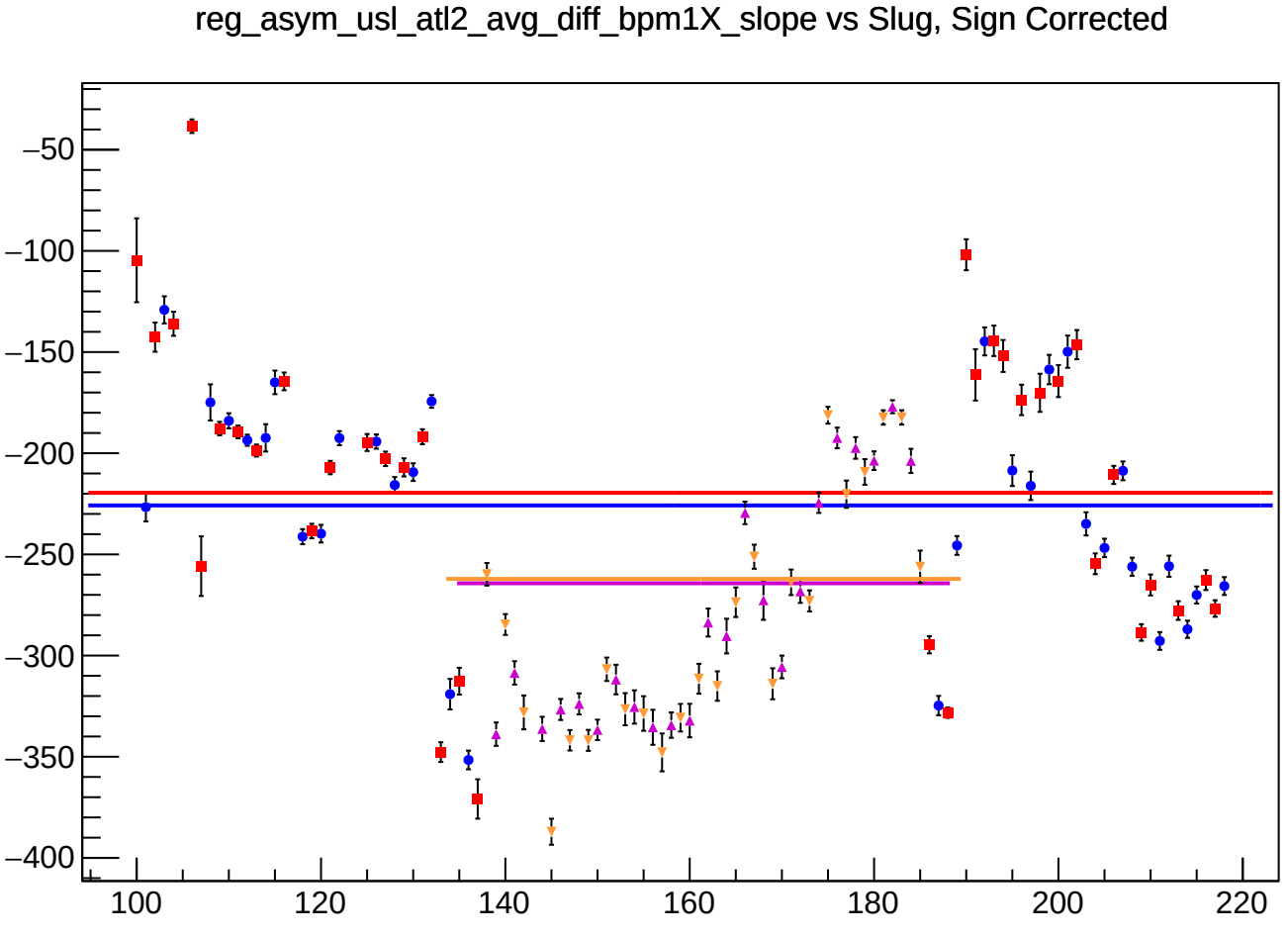
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -18.401+/-0.013 χ^2/NDF: 890014.2/66

In: -12.813+/-0.009 χ^2/NDF:675211.4/54

Out: -12.637+/-0.009 χ^2/NDF:648364.6/58

All: -12.725+/-0.006 χ^2/NDF: 1323770.4/113



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: -219.556+/-0.775 χ^2/NDF: 8546.6/34

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

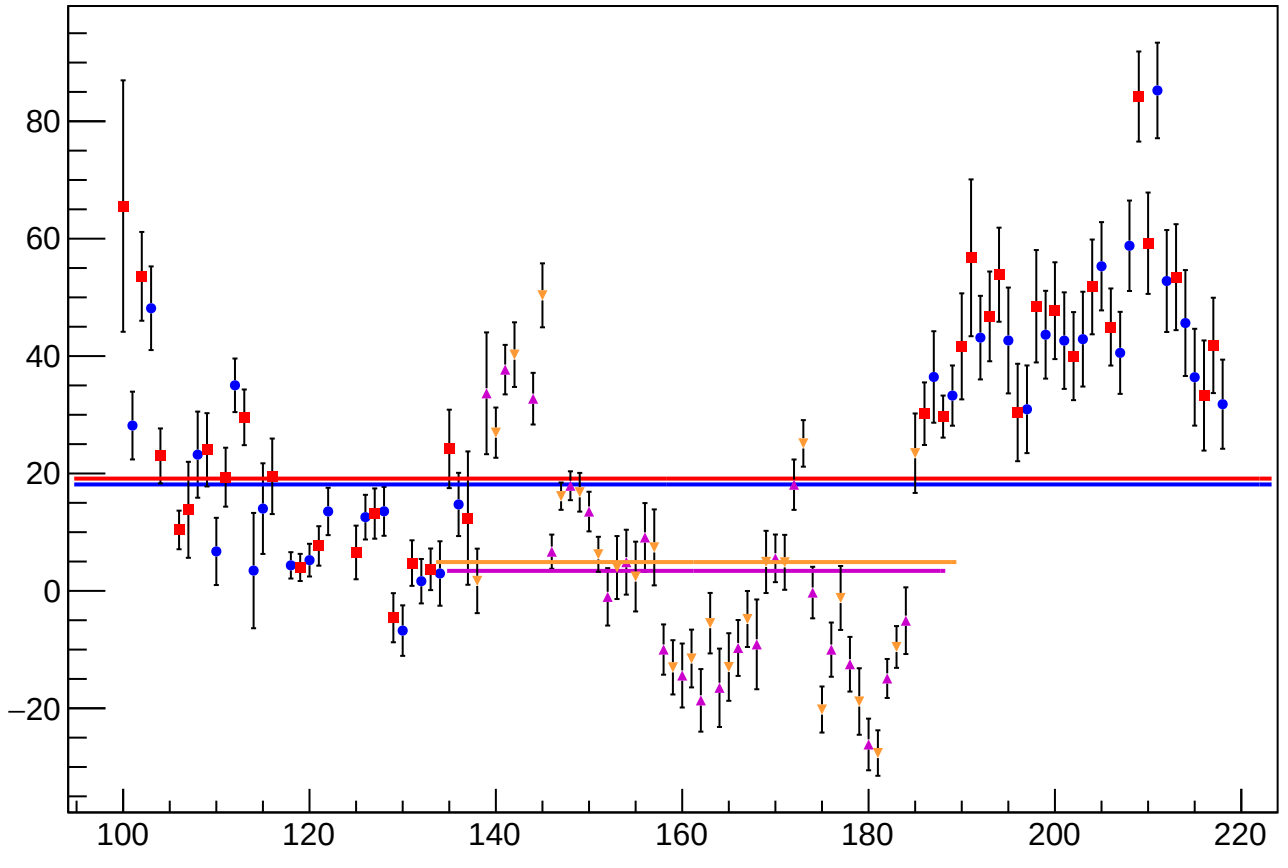
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -222.505+/-0.563 χ^2/NDF: 12106.2/66

In: -238.236+/-0.674 χ^2/NDF:6983.4/54

Out: -232.393+/-0.648 χ^2/NDF:12420.4/58

All: -235.198+/-0.467 χ^2/NDF: 19442.9/113



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: 19.128+/-0.895 χ^2/NDF: 408.9/34

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

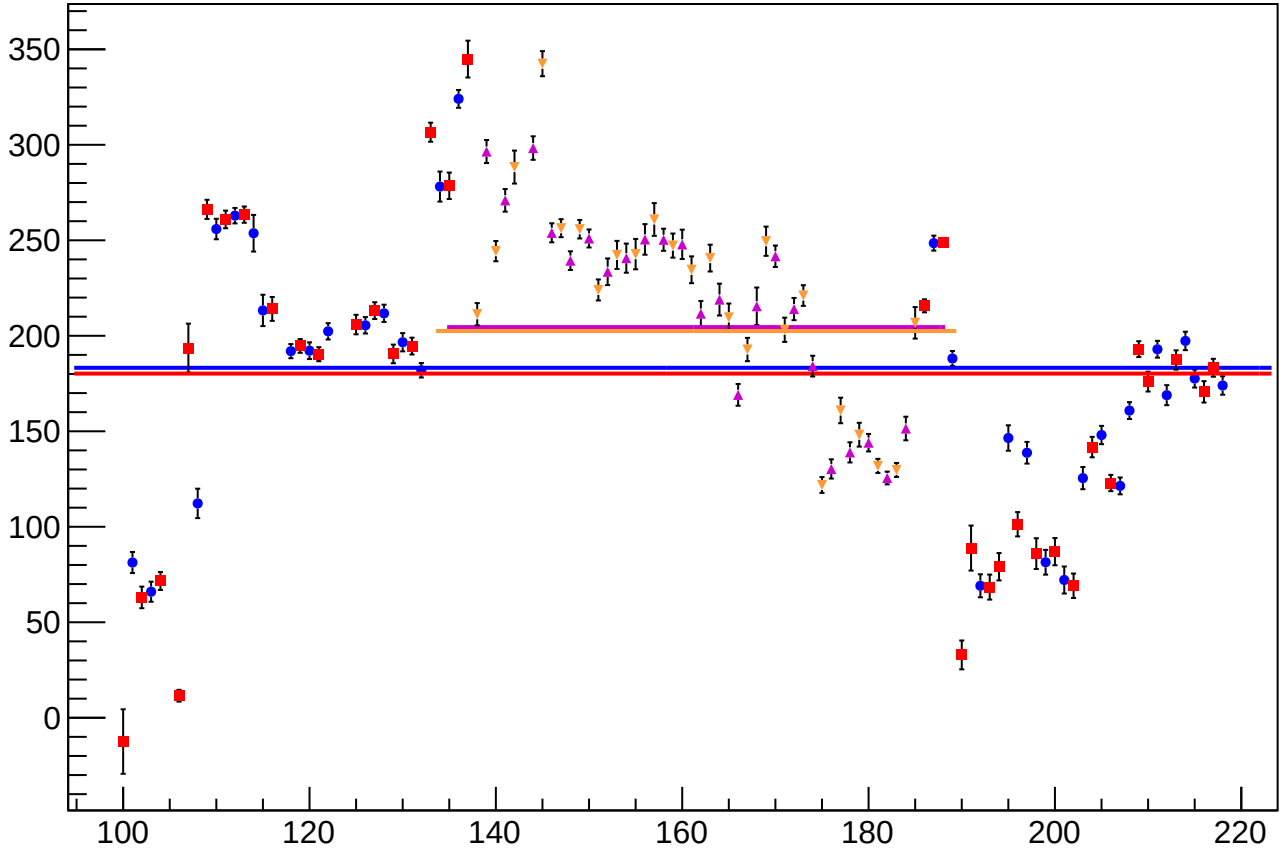
Right: 18.648+/-0.644 χ^2/NDF: 805.9/66

In: 10.550+/-0.646 χ^2/NDF:859.4/54

Out: 11.947+/-0.630 χ^2/NDF:935.2/58

All: 11.267+/-0.451 χ^2/NDF: 1797.0/113

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: 180.211+/-0.806 χ^2/NDF: 9503.5/34

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

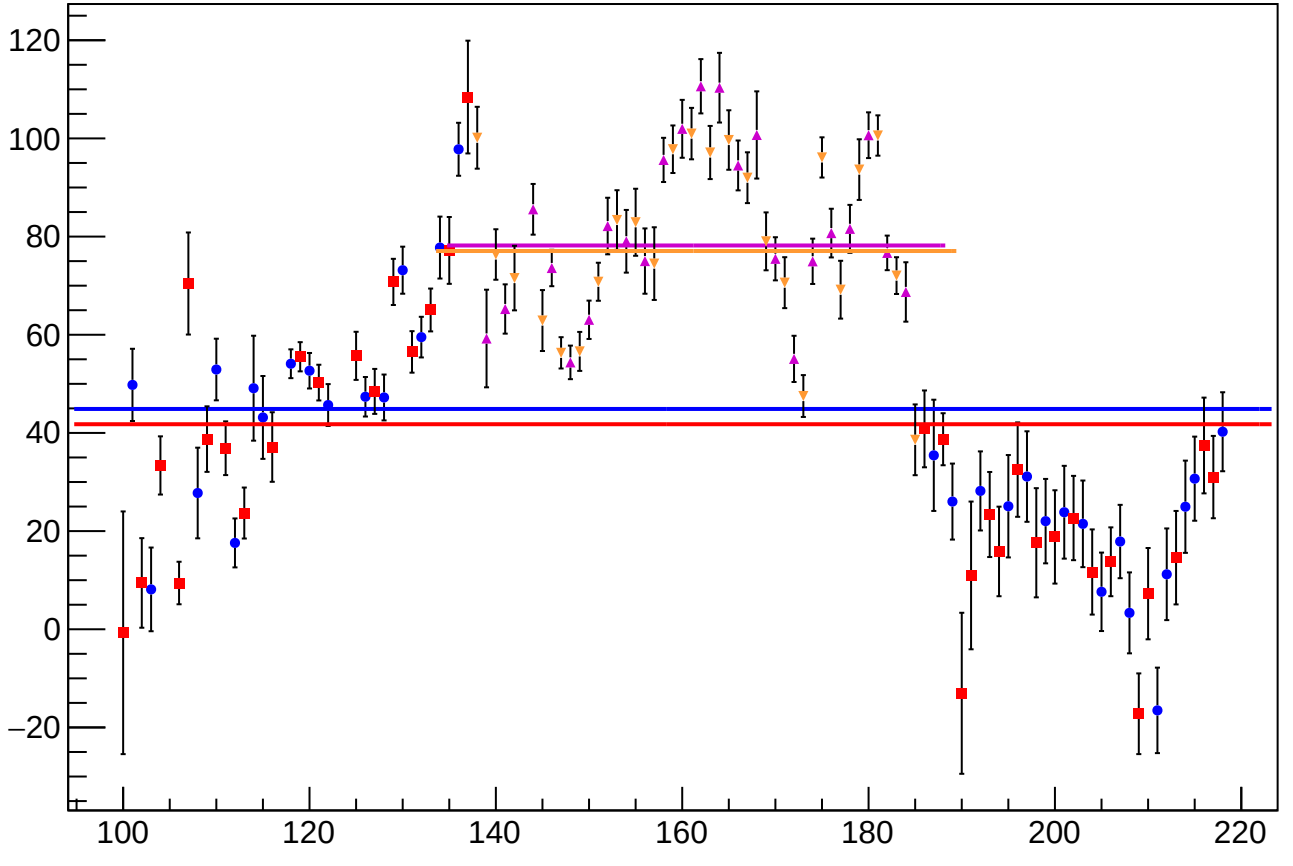
Right: 181.606+/-0.592 χ^2/NDF: 13853.2/66

In: 190.797+/-0.701 χ^2/NDF:6840.6/54

Out: 187.364+/-0.664 χ^2/NDF:12142.6/58

All: 188.988+/-0.482 χ^2/NDF: 18995.8/113

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 41.774+/-1.052 χ^2/NDF: 418.7/34

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

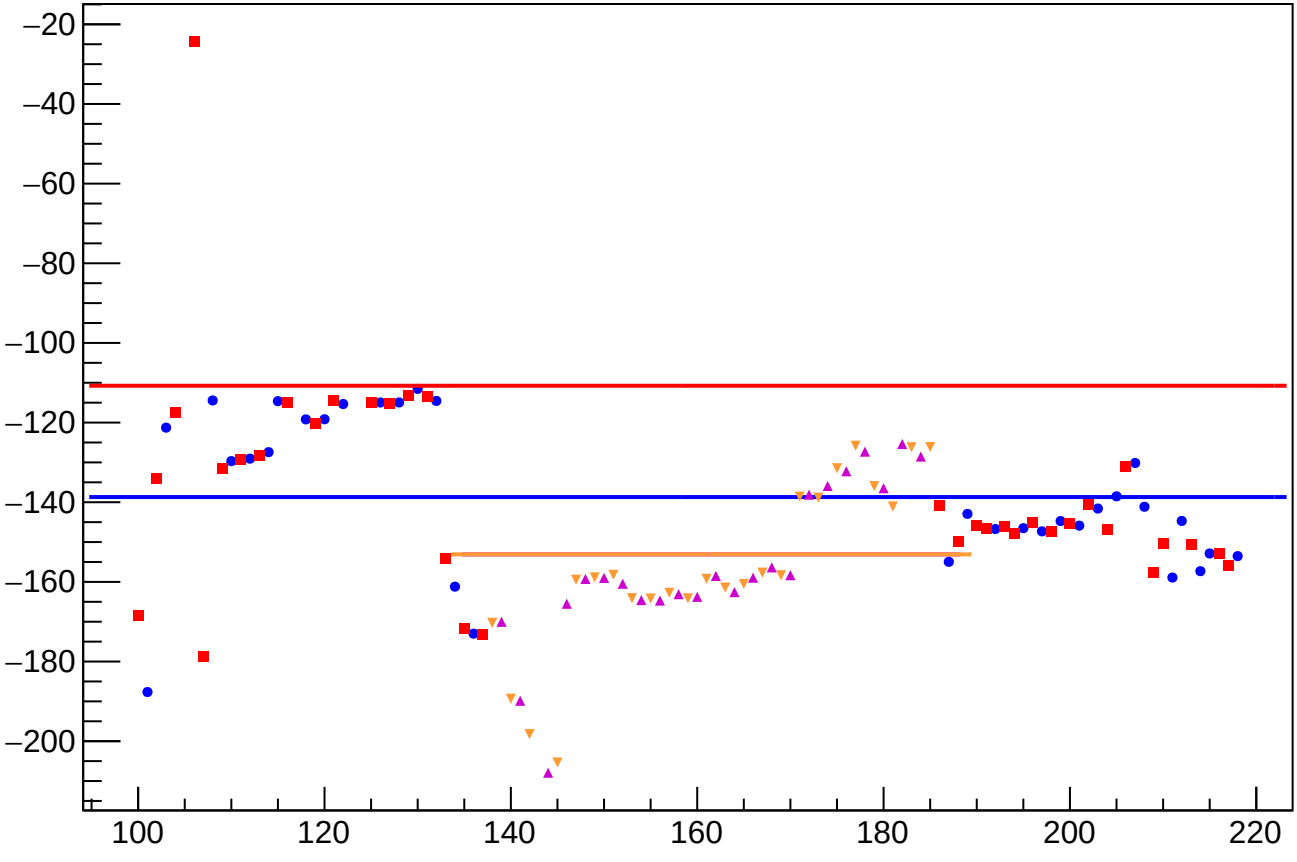
Right: 43.291+/-0.753 χ^2/NDF: 829.3/66

In: 62.366+/-0.743 χ^2/NDF:1139.9/54

Out: 60.052+/-0.731 χ^2/NDF:1312.3/58

All: 61.190+/-0.521 χ^2/NDF: 2457.1/113

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: -110.749+/-0.050 χ^2/NDF: 1033089.5/34

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

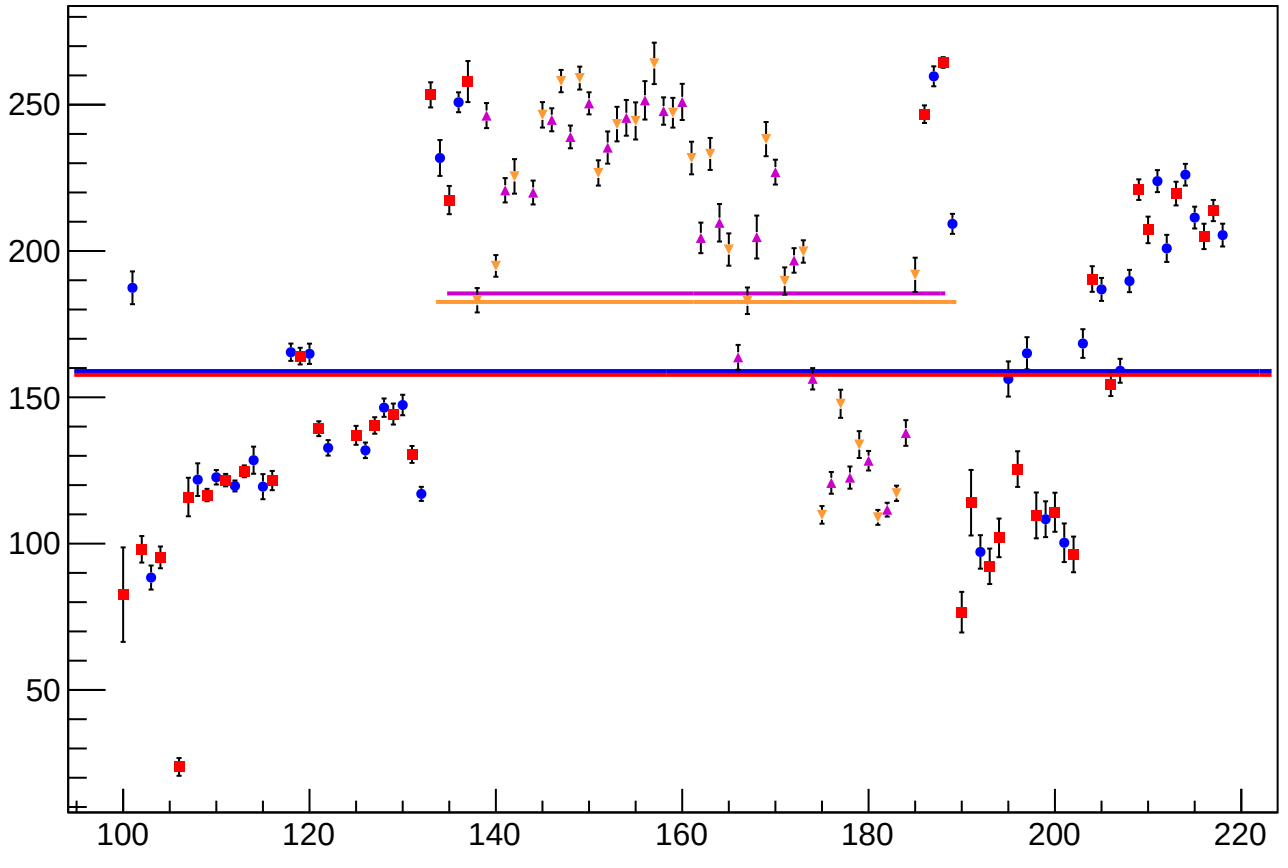
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -122.681+/-0.038 χ^2/NDF: 1274741.9/66

In: -147.494+/-0.036 χ^2/NDF:314129.1/54

Out: -133.431+/-0.034 χ^2/NDF:1588779.0/58

All: -140.045+/-0.025 χ^2/NDF: 1981796.0/11



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: 157.679+/-0.589 χ^2/NDF: 10618.2/34

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

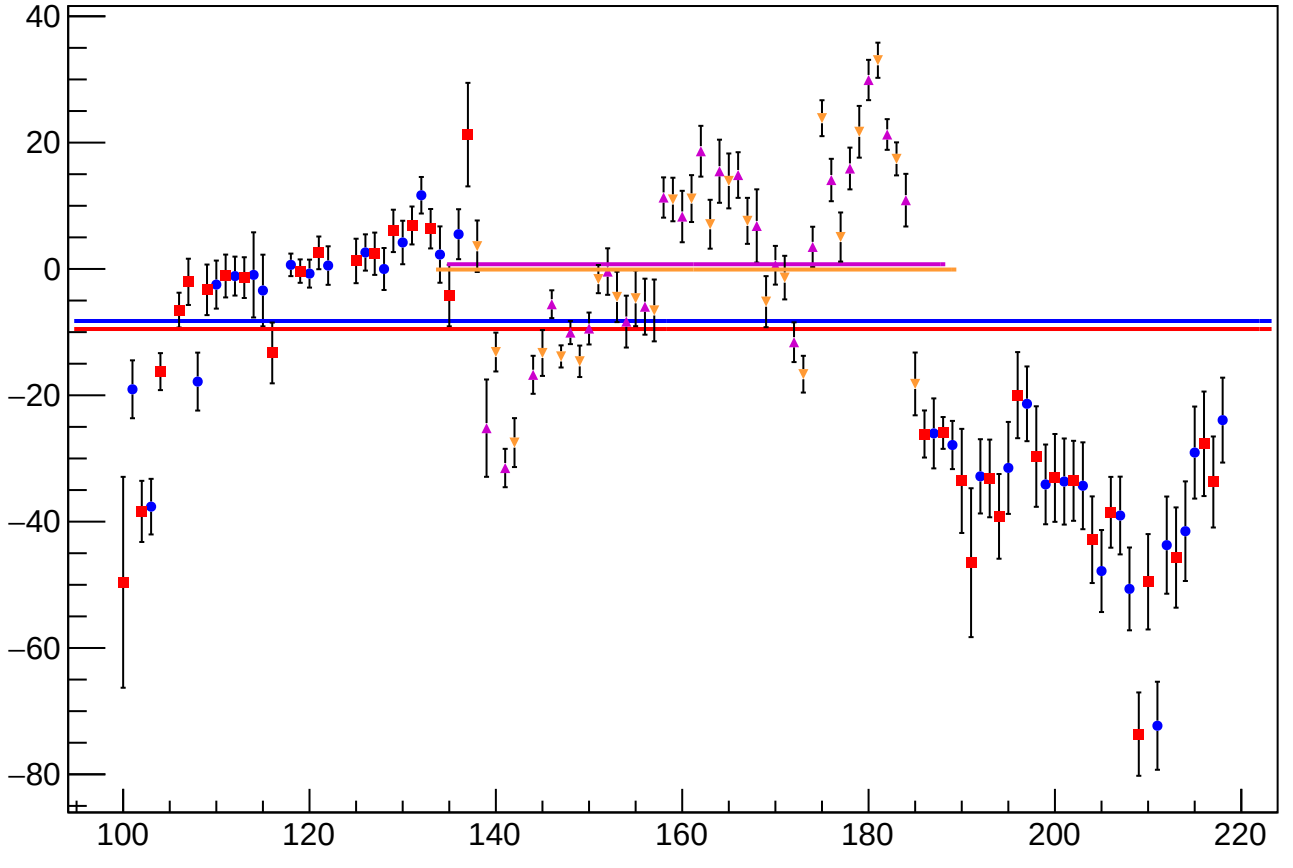
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 158.282+/-0.431 χ^2/NDF: 15707.1/66

In: 168.111+/-0.512 χ^2/NDF:9514.8/54

Out: 165.560+/-0.487 χ^2/NDF:15336.3/58

All: 166.772+/-0.353 χ^2/NDF: 24864.1/113



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: -9.507+/-0.681 χ^2/NDF: 588.1/34

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

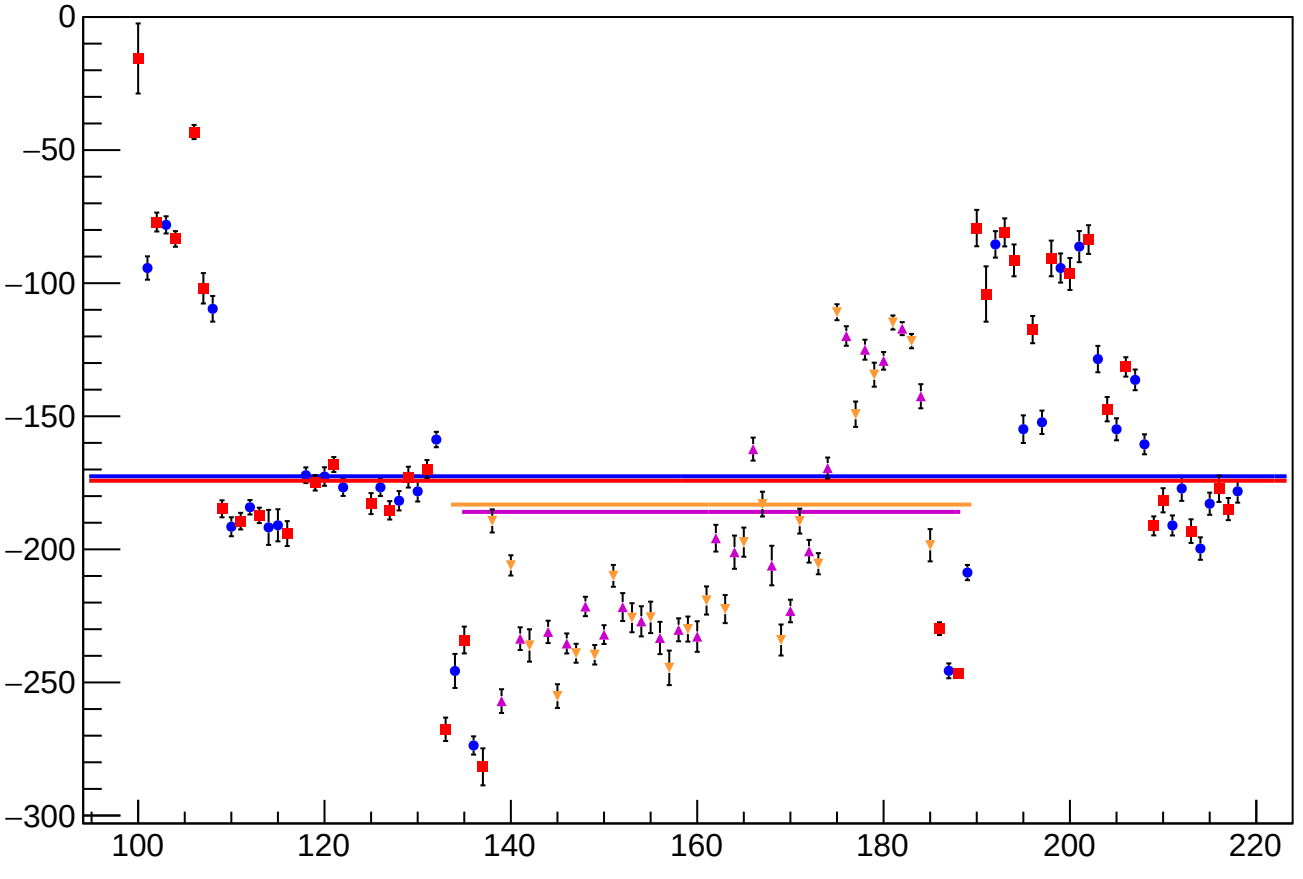
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -8.905+/-0.494 χ^2/NDF: 1152.7/66

In: -3.409+/-0.488 χ^2/NDF:1145.1/54

Out: -4.613+/-0.472 χ^2/NDF:1242.7/58

All: -4.030+/-0.339 χ^2/NDF: 2390.9/113



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: -174.223+/-0.614 χ^2/NDF: 10050.6/34

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

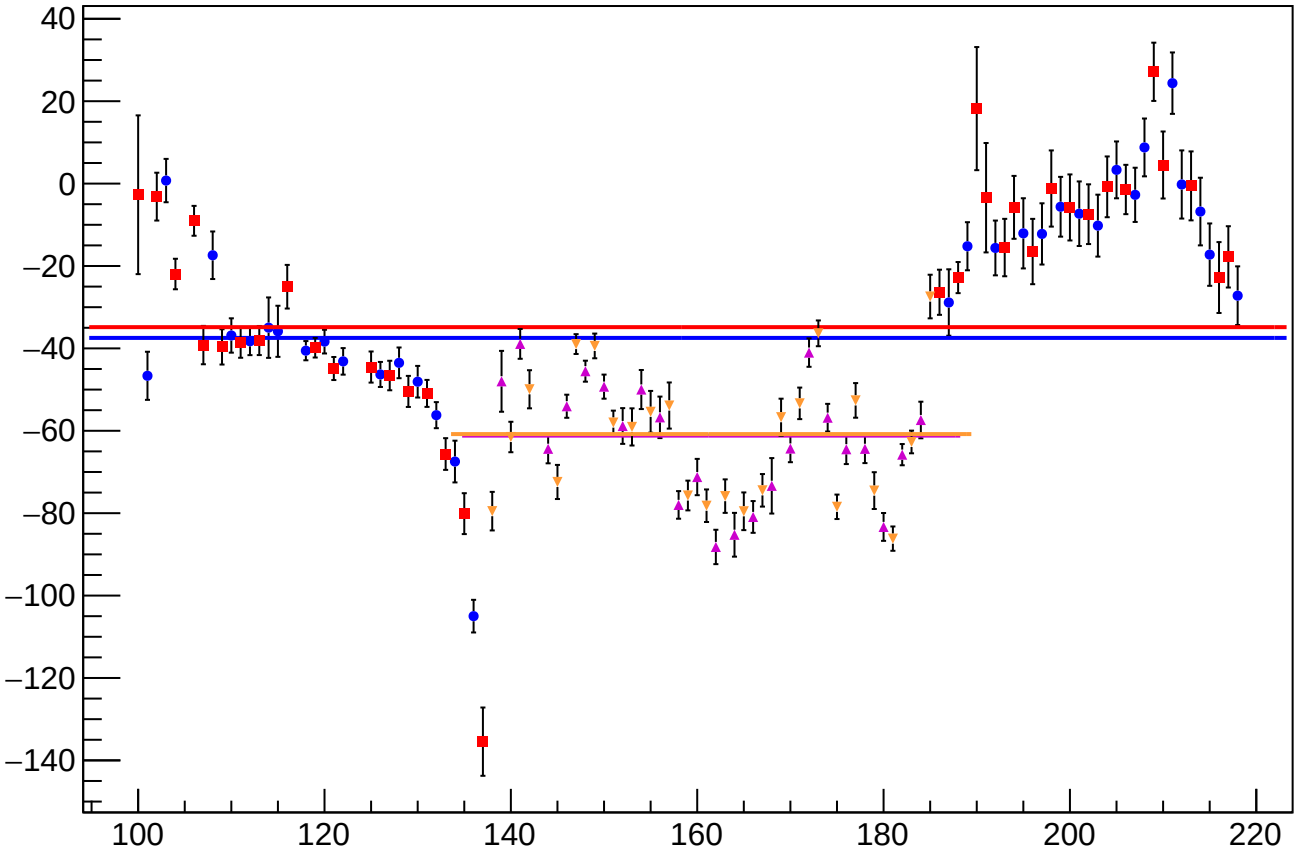
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -173.472+/-0.455 χ^2/NDF: 14369.5/66

In: -177.627+/-0.534 χ^2/NDF:7645.1/54

Out: -177.232+/-0.500 χ^2/NDF:13483.3/58

All: -177.417+/-0.365 χ^2/NDF: 21128.7/113



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: -34.844+/-0.803 χ^2/NDF: 749.0/34

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

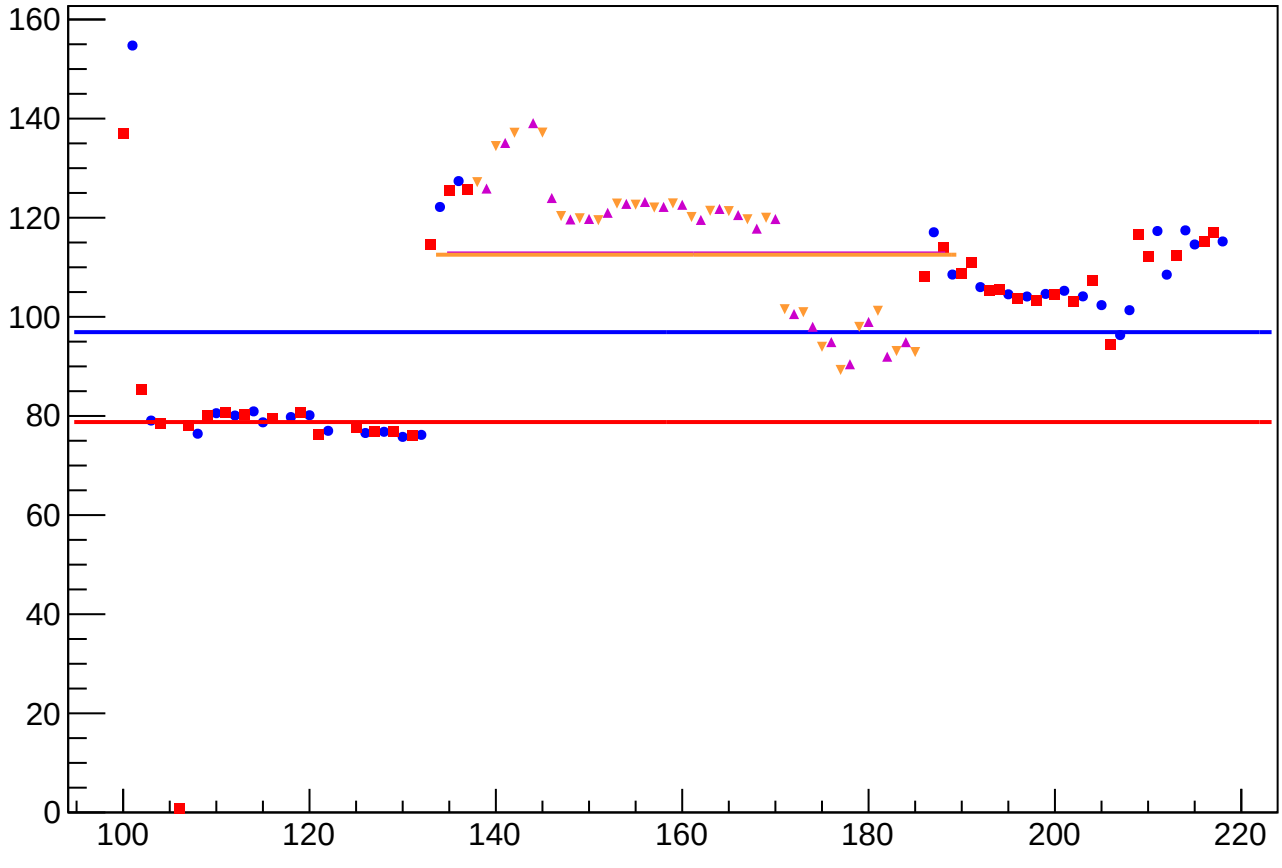
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -36.101+/-0.578 χ^2/NDF: 1518.7/66

In: -50.457+/-0.560 χ^2/NDF:1525.2/54

Out: -48.729+/-0.548 χ^2/NDF:1781.8/58

All: -49.573+/-0.392 χ^2/NDF: 3311.8/113



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: 78.773+/-0.040 χ^2/NDF: 926133.7/34

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

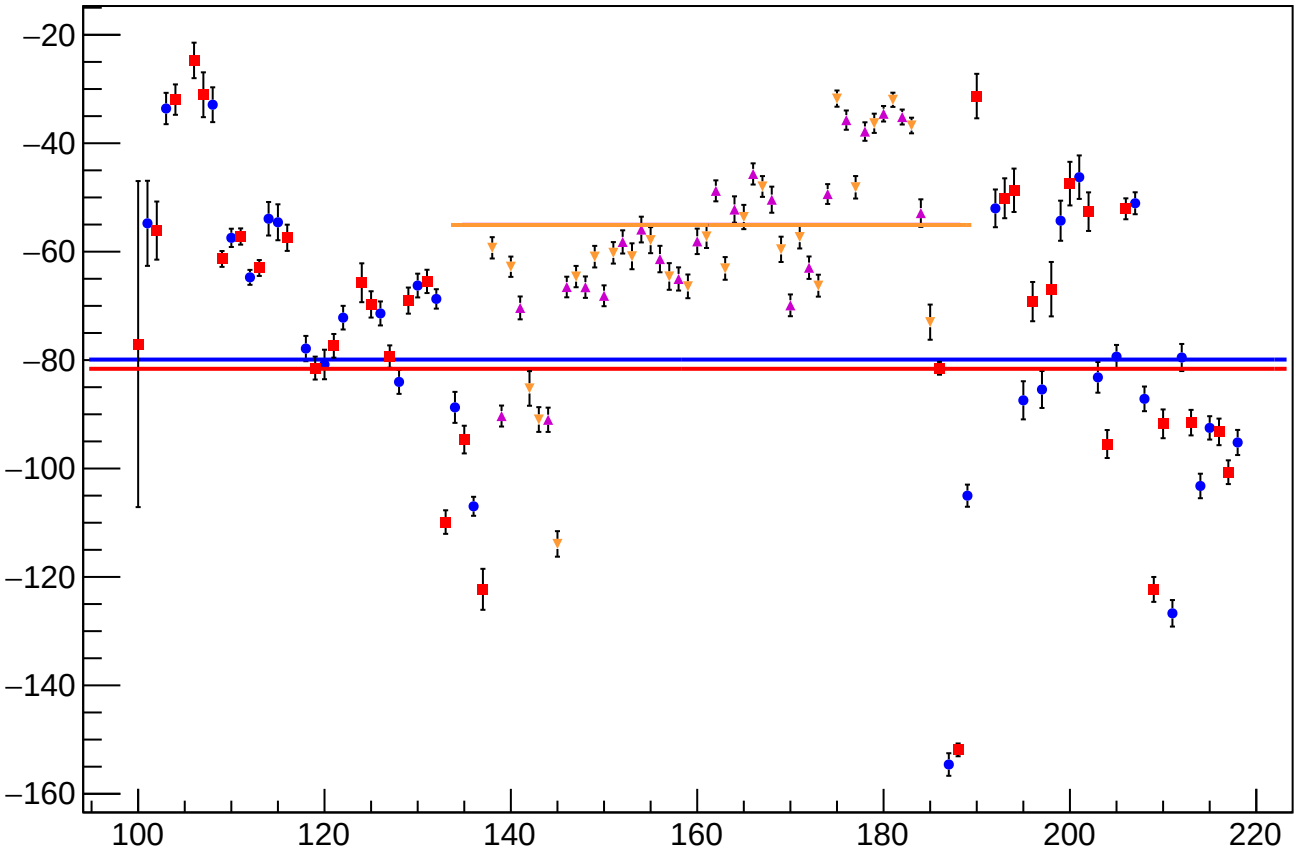
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 86.737+/-0.030 χ^2/NDF: 1211320.4/66

In: 106.945+/-0.027 χ^2/NDF:444349.1/54

Out: 98.045+/-0.026 χ^2/NDF:1509843.2/58

All: 102.289+/-0.019 χ^2/NDF: 2009519.2/113



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: -81.608+/-0.384 χ^2/NDF: 6655.8/34

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

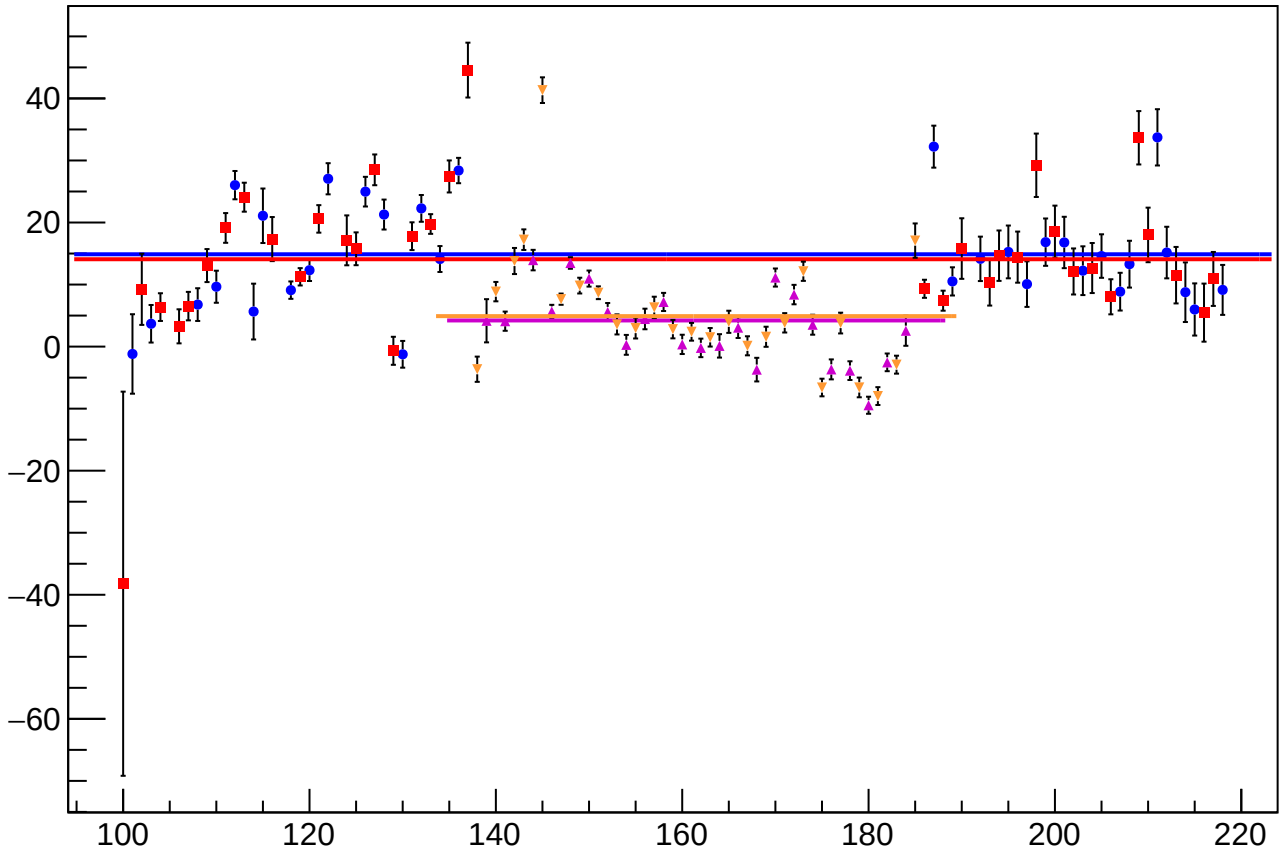
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -80.824+/-0.282 χ^2/NDF: 10325.0/66

In: -67.299+/-0.292 χ^2/NDF:7008.8/54

Out: -68.914+/-0.277 χ^2/NDF:10946.8/59

All: -68.150+/-0.201 χ^2/NDF: 17971.7/114



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: 14.081+/-0.452 χ^2/NDF: 315.3/34

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

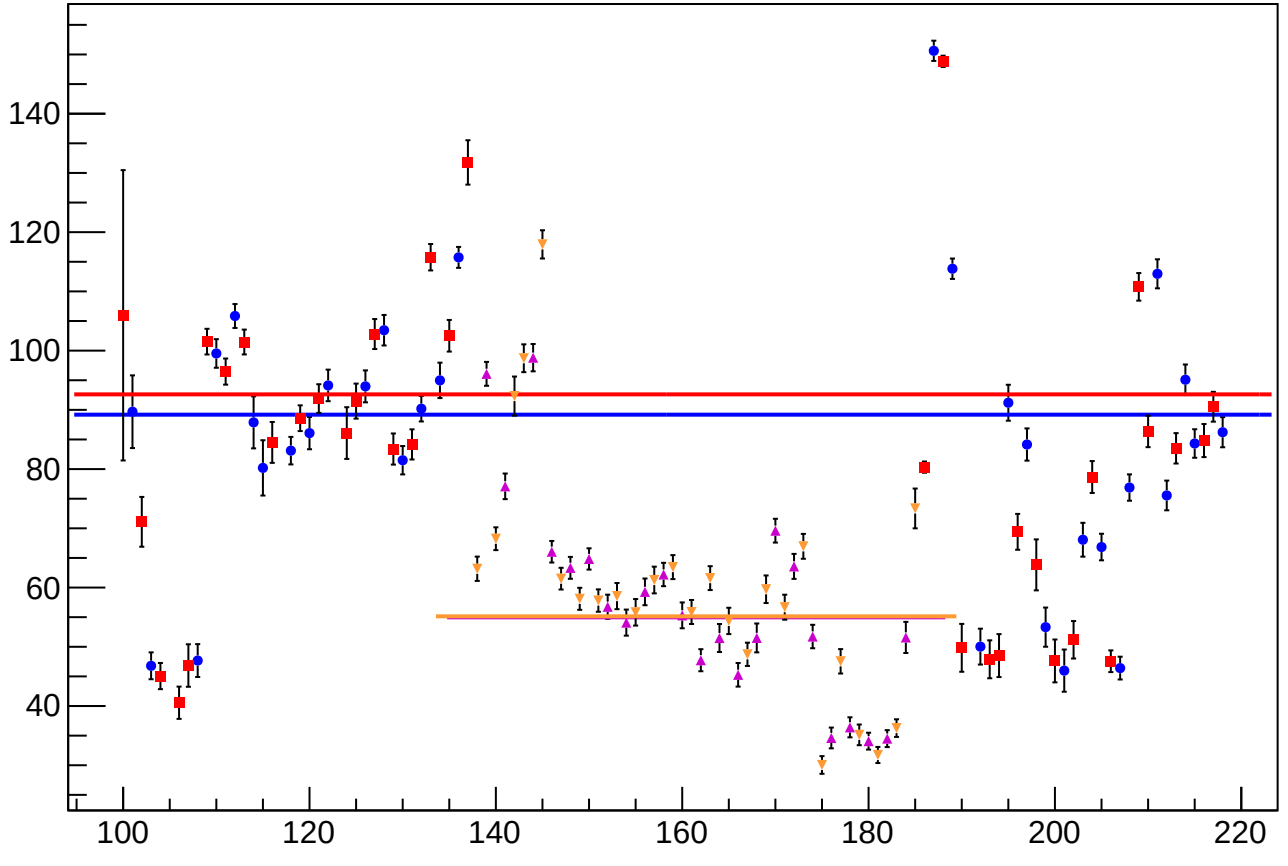
Right: 14.448+/-0.332 χ^2/NDF: 621.5/66

In: 7.300+/-0.263 χ^2/NDF:1057.1/54

Out: 7.737+/-0.251 χ^2/NDF:1342.2/59

All: 7.529+/-0.182 χ^2/NDF: 2400.7/114

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: 92.614+/-0.388 χ^2/NDF: 6620.4/34

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

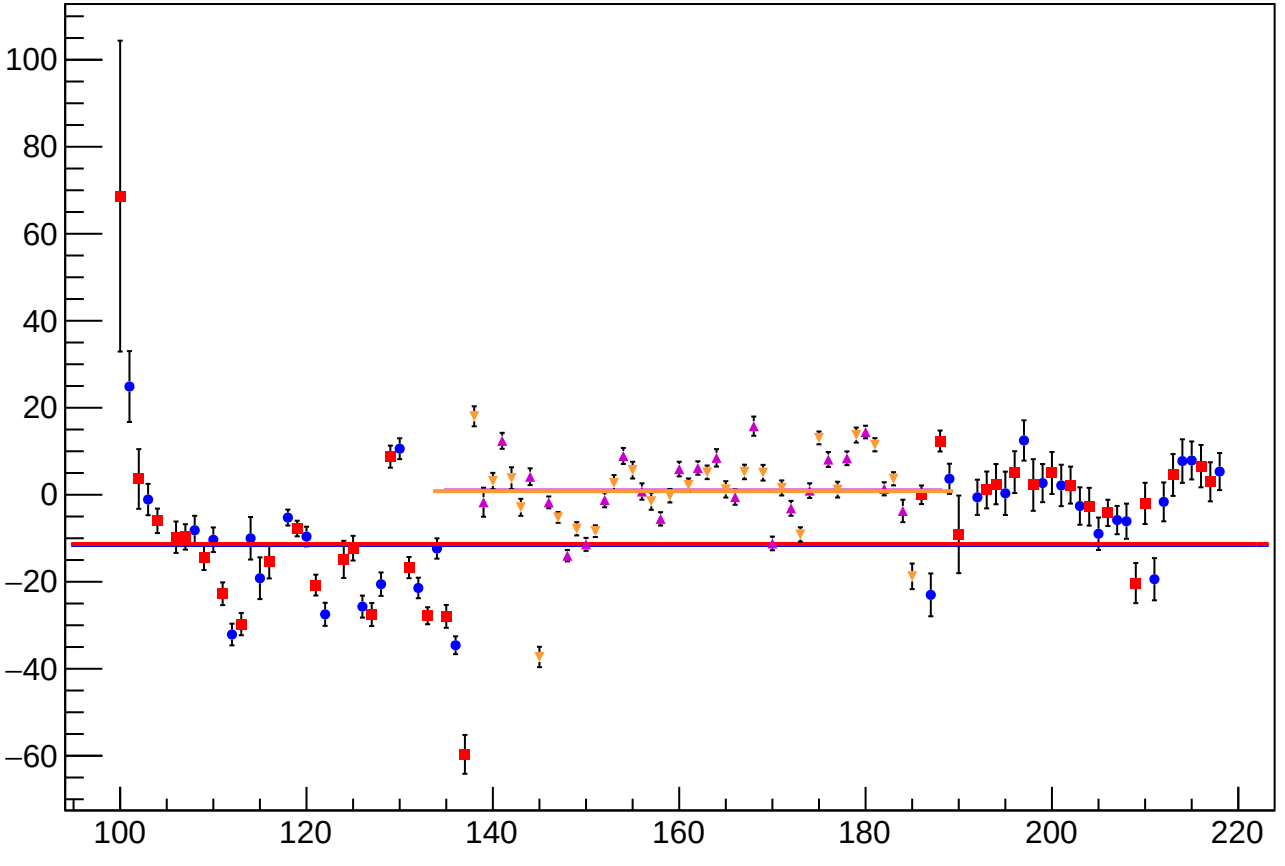
Right: 91.102+/-0.290 χ^2/NDF: 10349.0/66

In: 70.807+/-0.297 χ^2/NDF:8768.3/54

Out: 74.283+/-0.278 χ^2/NDF:13415.7/59

All: 72.664+/-0.203 χ^2/NDF: 22257.1/114

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: -11.323+/-0.536 χ^2/NDF: 673.4/34

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

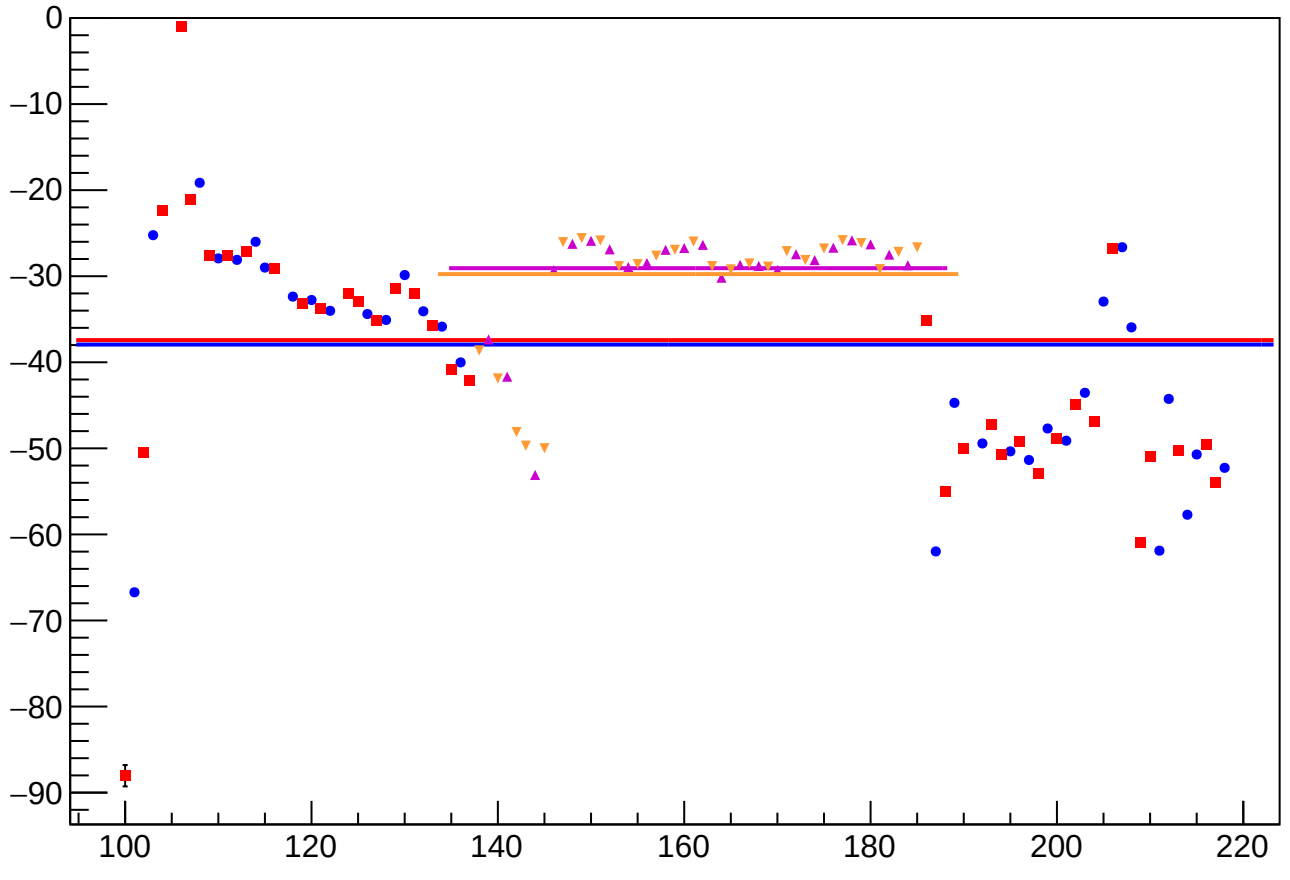
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -11.428+/-0.388 χ^2/NDF: 1245.5/66

In: -2.554+/-0.299 χ^2/NDF:1485.0/54

Out: -2.691+/-0.289 χ^2/NDF:1755.9/59

All: -2.625+/-0.208 χ^2/NDF: 3241.0/114



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: -37.423+/-0.028 χ^2/NDF: 238750.8/34

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

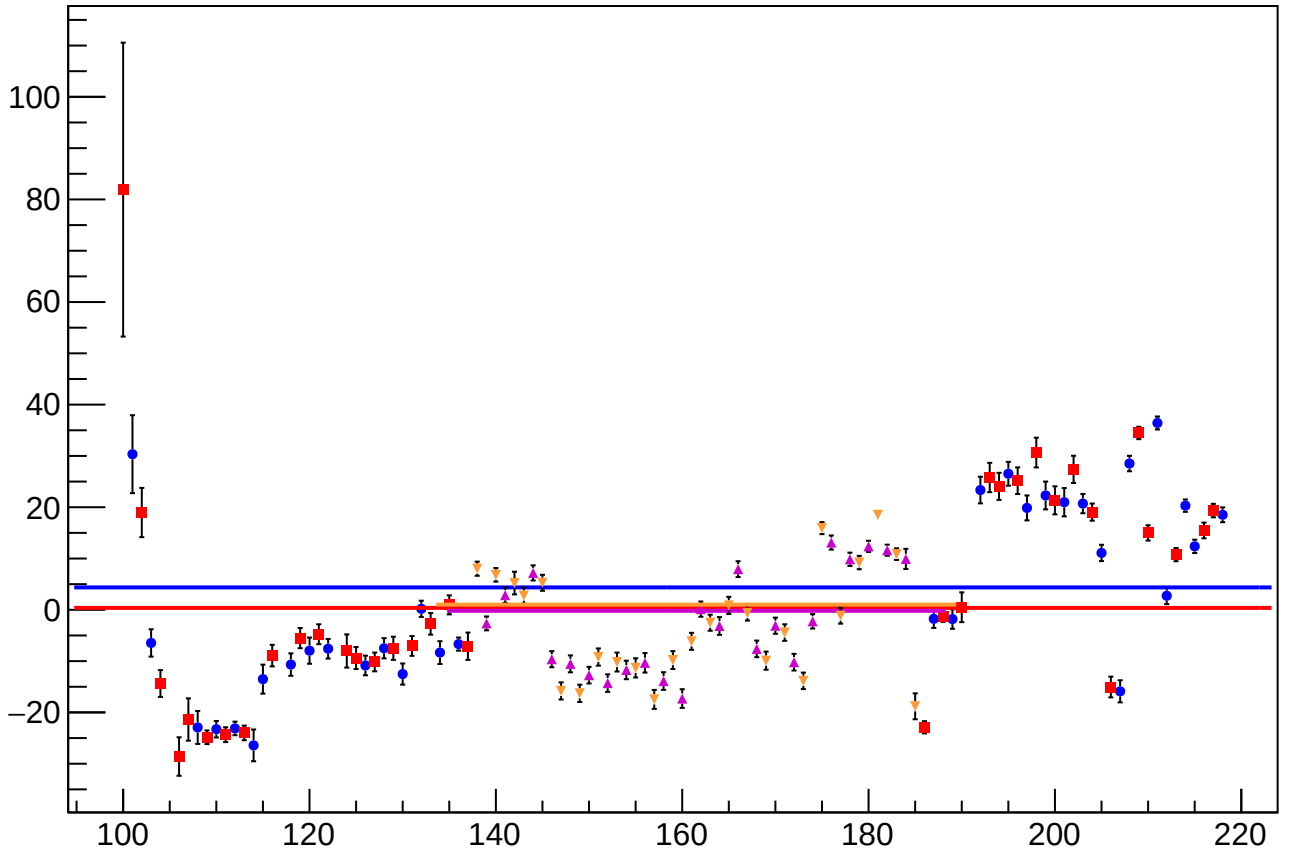
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -37.678+/-0.020 χ^2/NDF: 383752.1/66

In: -31.198+/-0.014 χ^2/NDF:322150.0/54

Out: -31.591+/-0.014 χ^2/NDF:460405.5/59

All: -31.397+/-0.010 χ^2/NDF: 782969.4/114



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: 0.379+/-0.312 χ^2/NDF: 3567.7/34

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

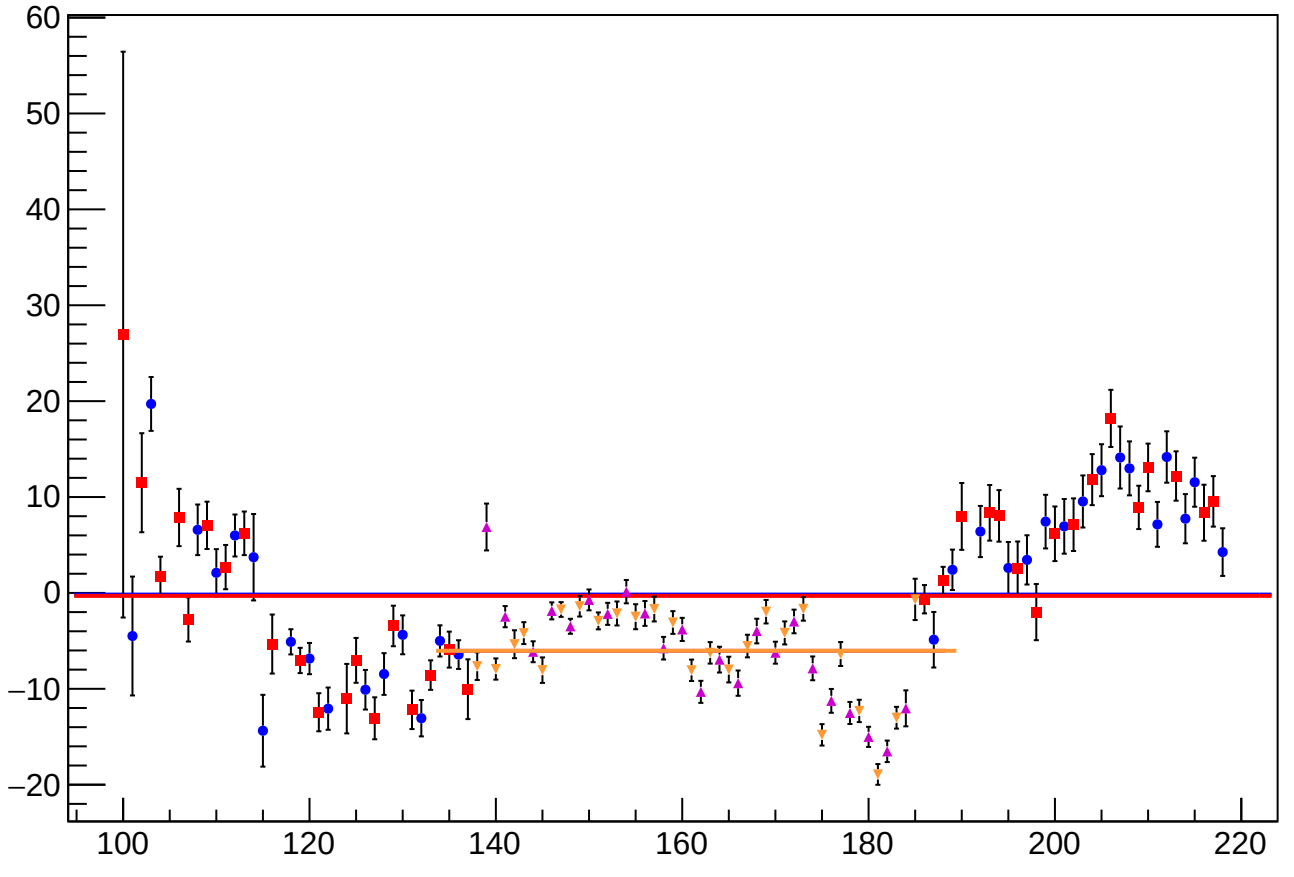
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: 2.299+/-0.225 χ^2/NDF: 6682.7/66

In: 2.020+/-0.226 χ^2/NDF:4121.1/54

Out: 0.705+/-0.218 χ^2/NDF:4904.9/59

All: 1.340+/-0.157 χ^2/NDF: 9043.6/114



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: -0.307+/-0.389 χ^2/NDF: 427.3/34

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

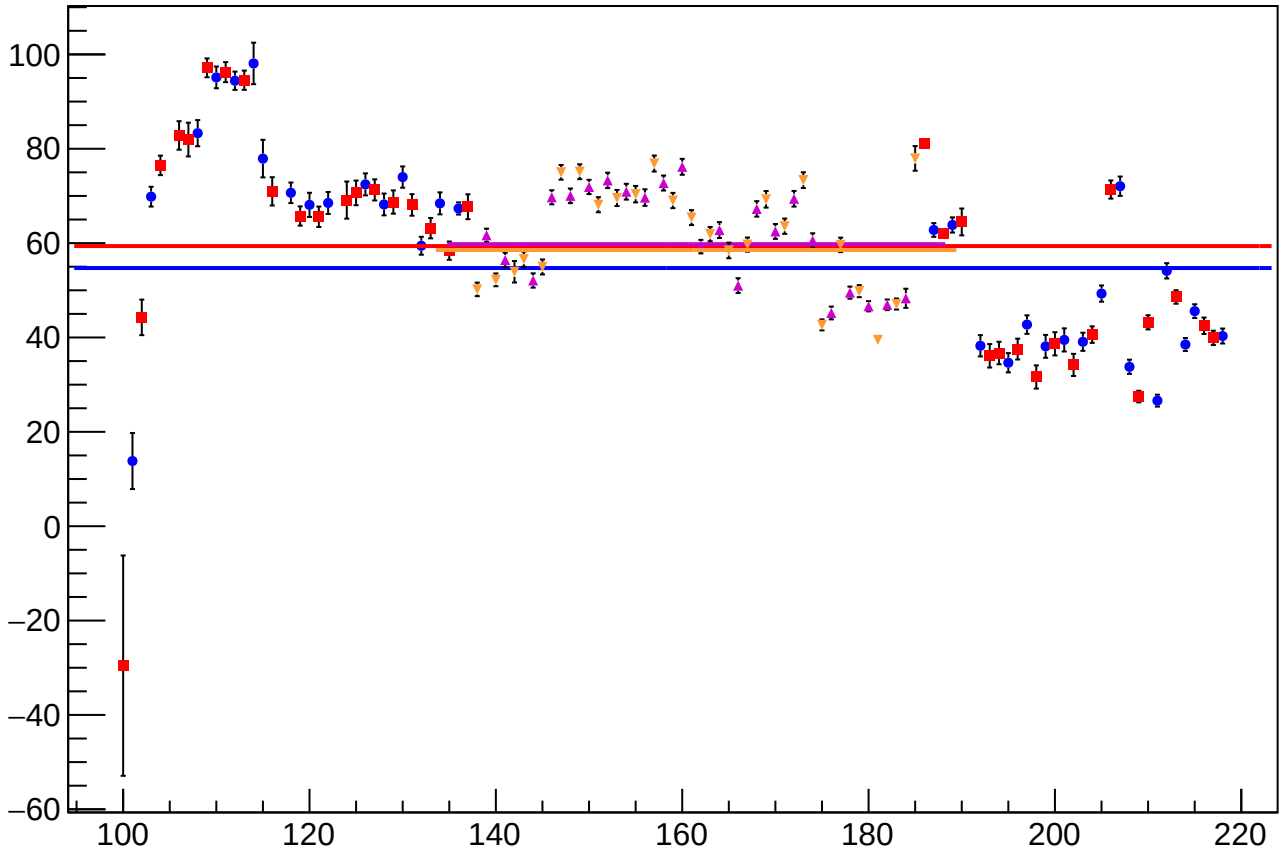
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -0.243+/-0.281 χ^2/NDF: 858.8/66

In: -4.501+/-0.208 χ^2/NDF:981.2/54

Out: -4.520+/-0.200 χ^2/NDF:1001.7/59

All: -4.511+/-0.144 χ^2/NDF: 1983.0/114



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: 59.377+/-0.318 χ^2/NDF: 3665.9/34

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

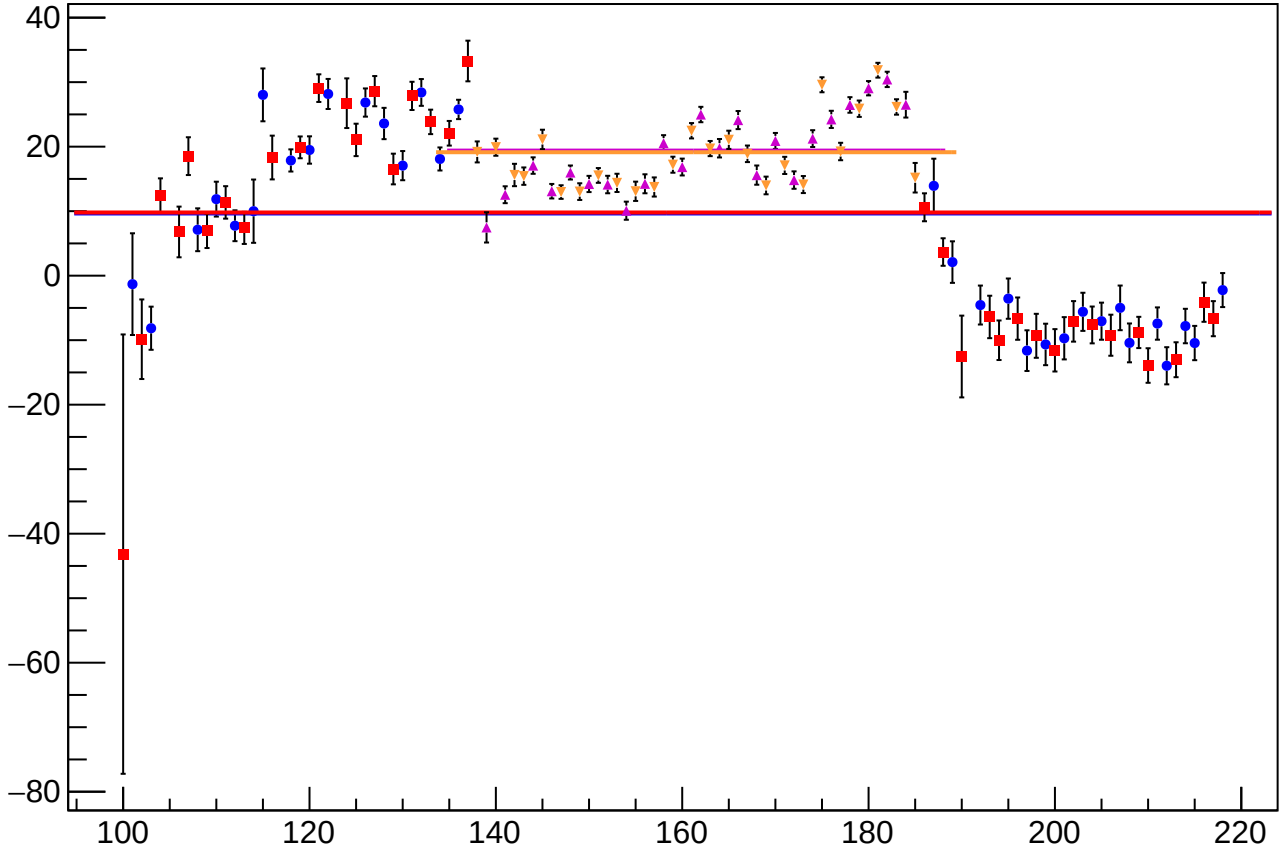
Right: 57.195+/-0.232 χ^2/NDF: 6678.8/66

In: 57.460+/-0.229 χ^2/NDF:4103.8/54

Out: 58.935+/-0.219 χ^2/NDF:5118.7/59

All: 58.230+/-0.159 χ^2/NDF: 9244.2/114

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 9.795+/-0.454 χ^2/NDF: 1034.3/34

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

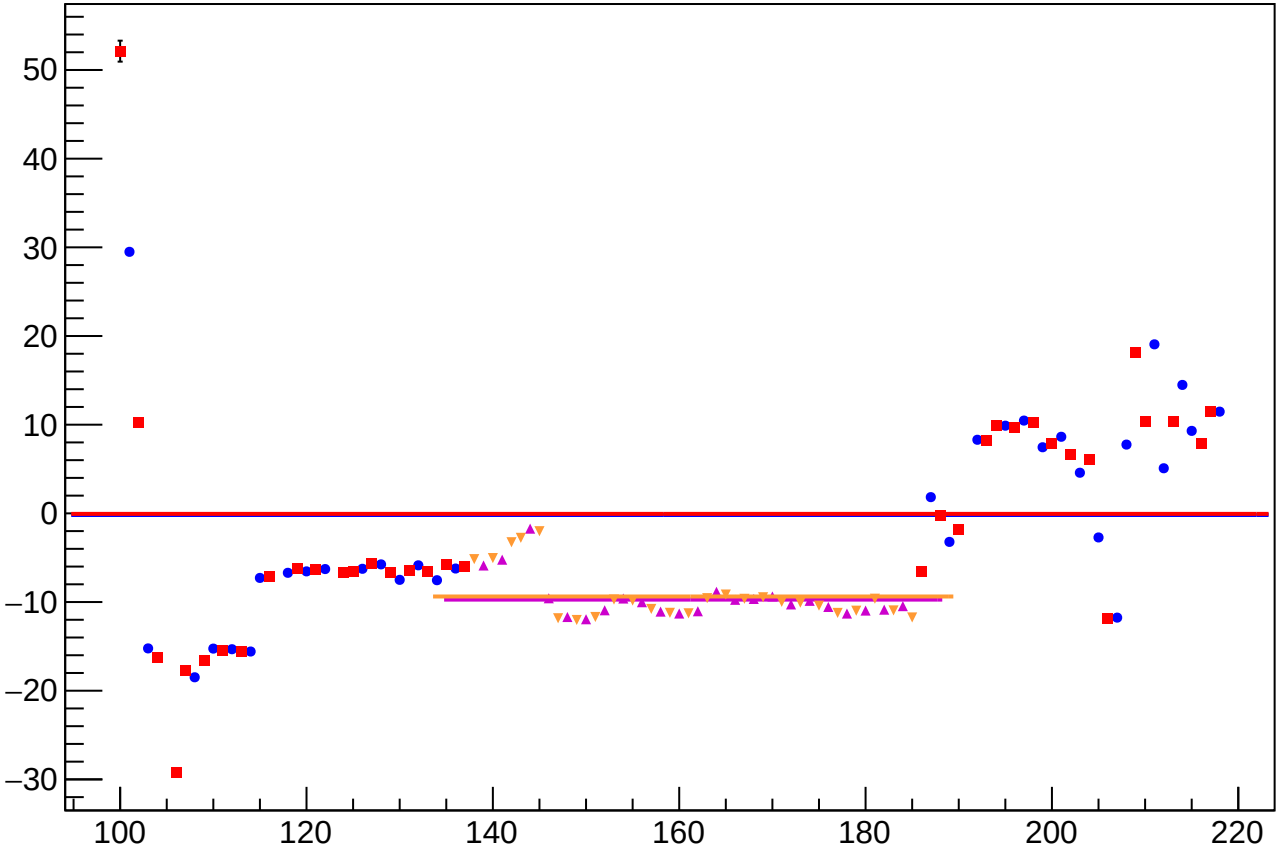
Right: 9.719+/-0.323 χ^2/NDF: 2042.8/66

In: 16.849+/-0.235 χ^2/NDF:1807.0/54

Out: 16.774+/-0.228 χ^2/NDF:1784.9/59

All: 16.810+/-0.164 χ^2/NDF: 3592.0/114

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -0.059+/-0.022 χ^2/NDF: 246198.6/34

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

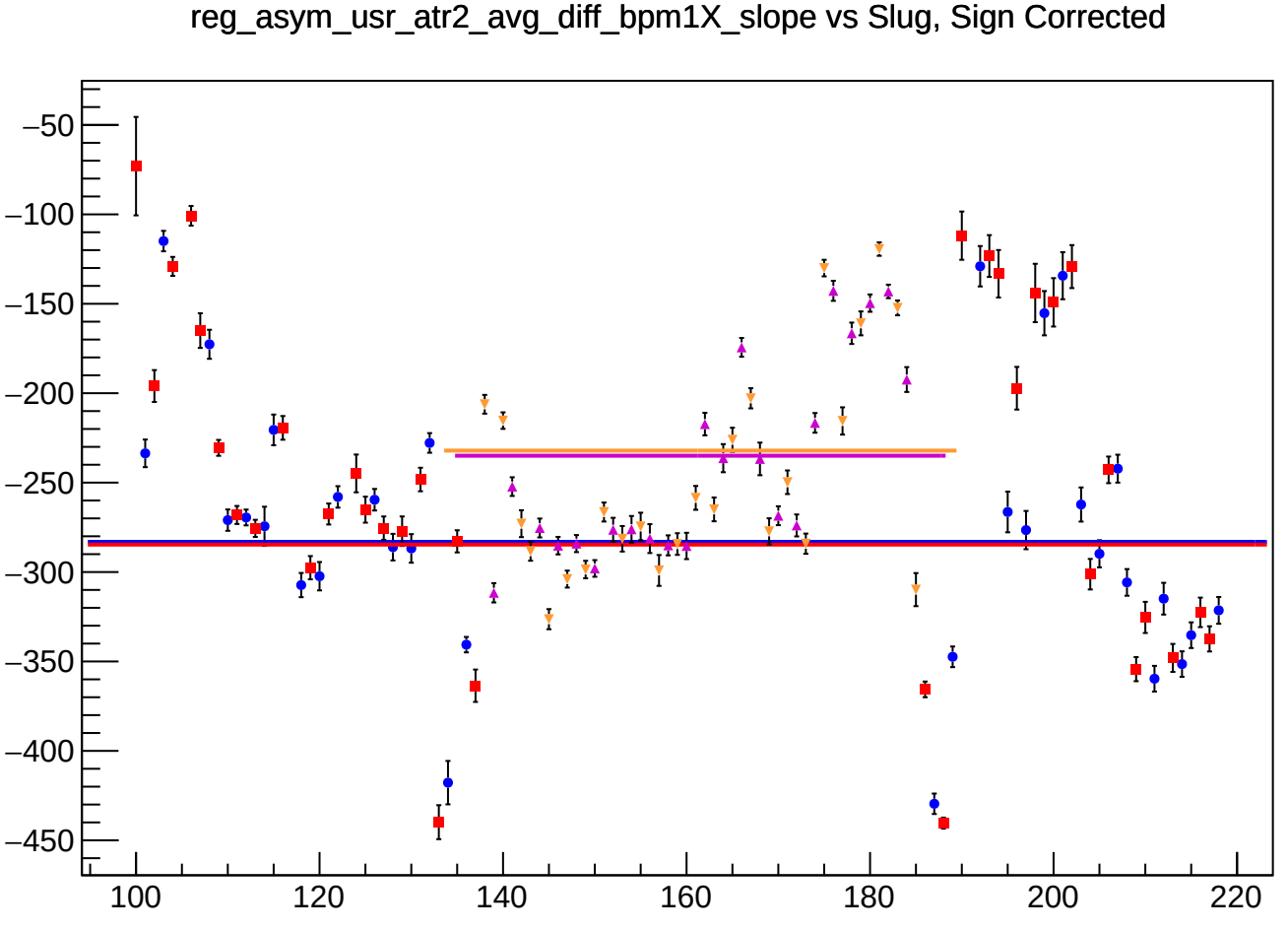
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -0.121+/-0.016 χ^2/NDF: 463706.7/66

In: -7.503+/-0.011 χ^2/NDF:394055.3/54

Out: -7.290+/-0.010 χ^2/NDF:433713.0/59

All: -7.395+/-0.007 χ^2/NDF: 827972.4/114



Right In: -283.142+/-1.257 χ^2/NDF: 3159.8/31

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -284.646+/-1.148 χ^2/NDF: 7062.5/34

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

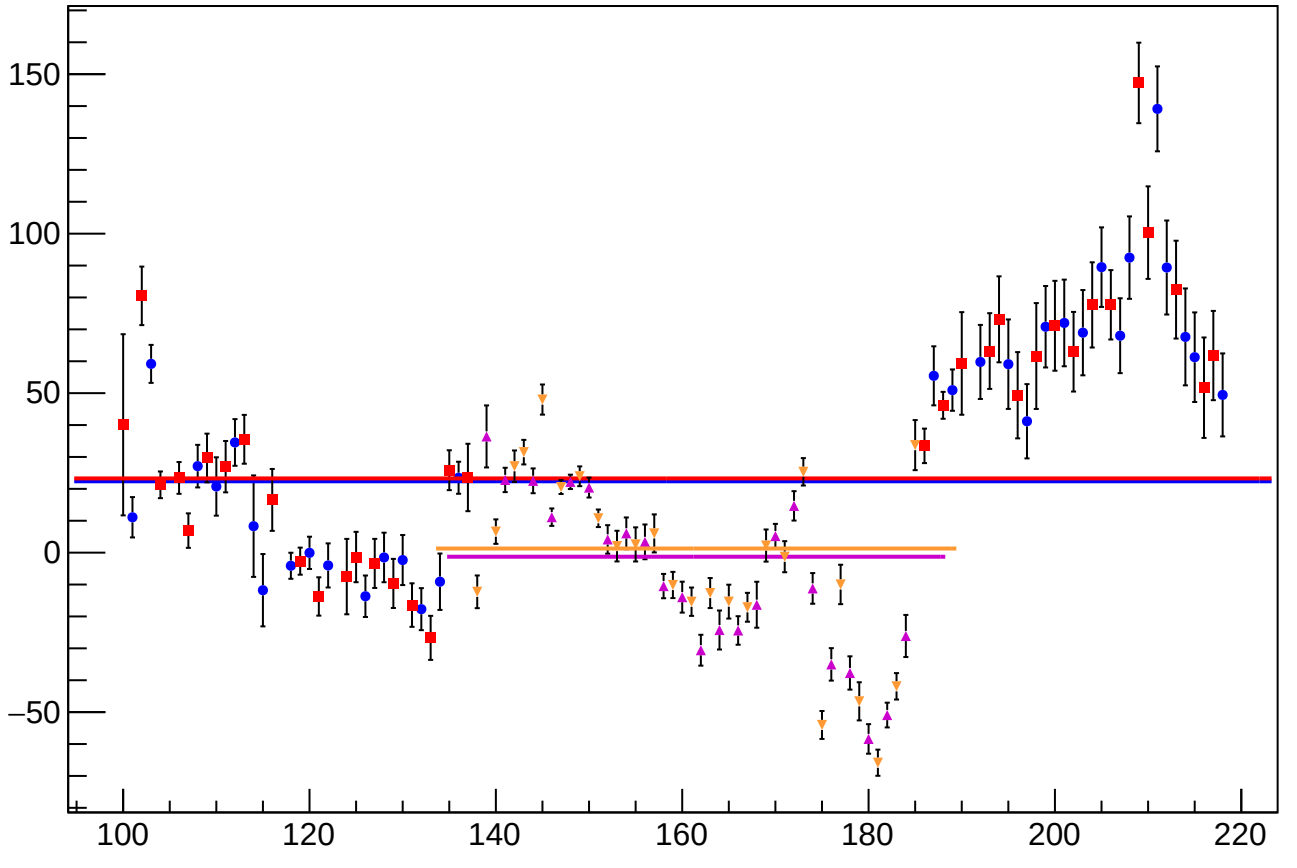
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -283.962+/-0.848 χ^2/NDF: 10223.1/66

In: -257.438+/-0.859 χ^2/NDF:6414.0/54

Out: -258.255+/-0.810 χ^2/NDF:11384.9/59

All: -257.870+/-0.589 χ^2/NDF: 17799.4/114



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: 23.269+/-1.304 χ^2/NDF: 547.0/34

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

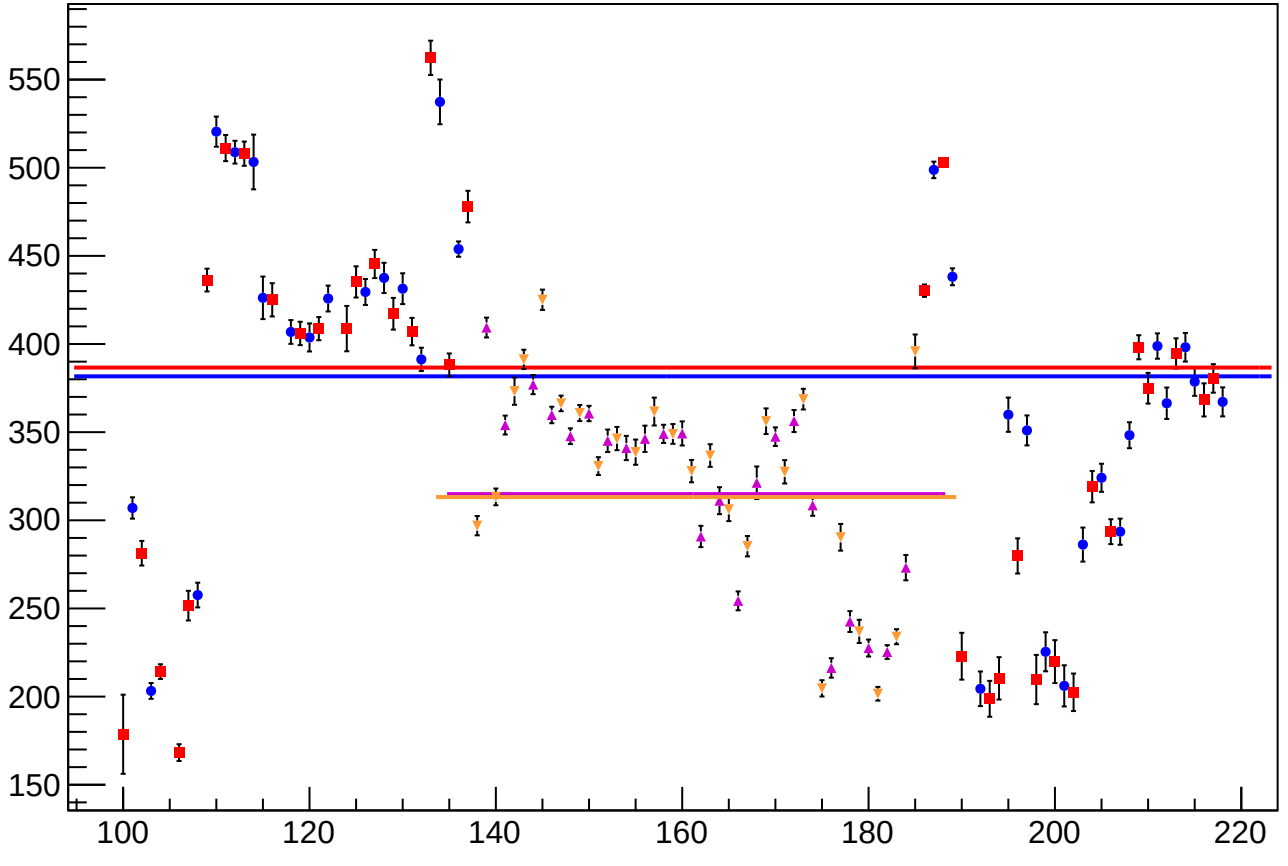
Right: 22.863+/-0.964 χ^2/NDF: 1061.9/66

In: 5.085+/-0.743 χ^2/NDF:1525.4/54

Out: 7.706+/-0.704 χ^2/NDF:1797.6/59

All: 6.465+/-0.511 χ^2/NDF: 3329.6/114

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: 386.645+/-1.135 χ^2/NDF: 9705.7/34

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

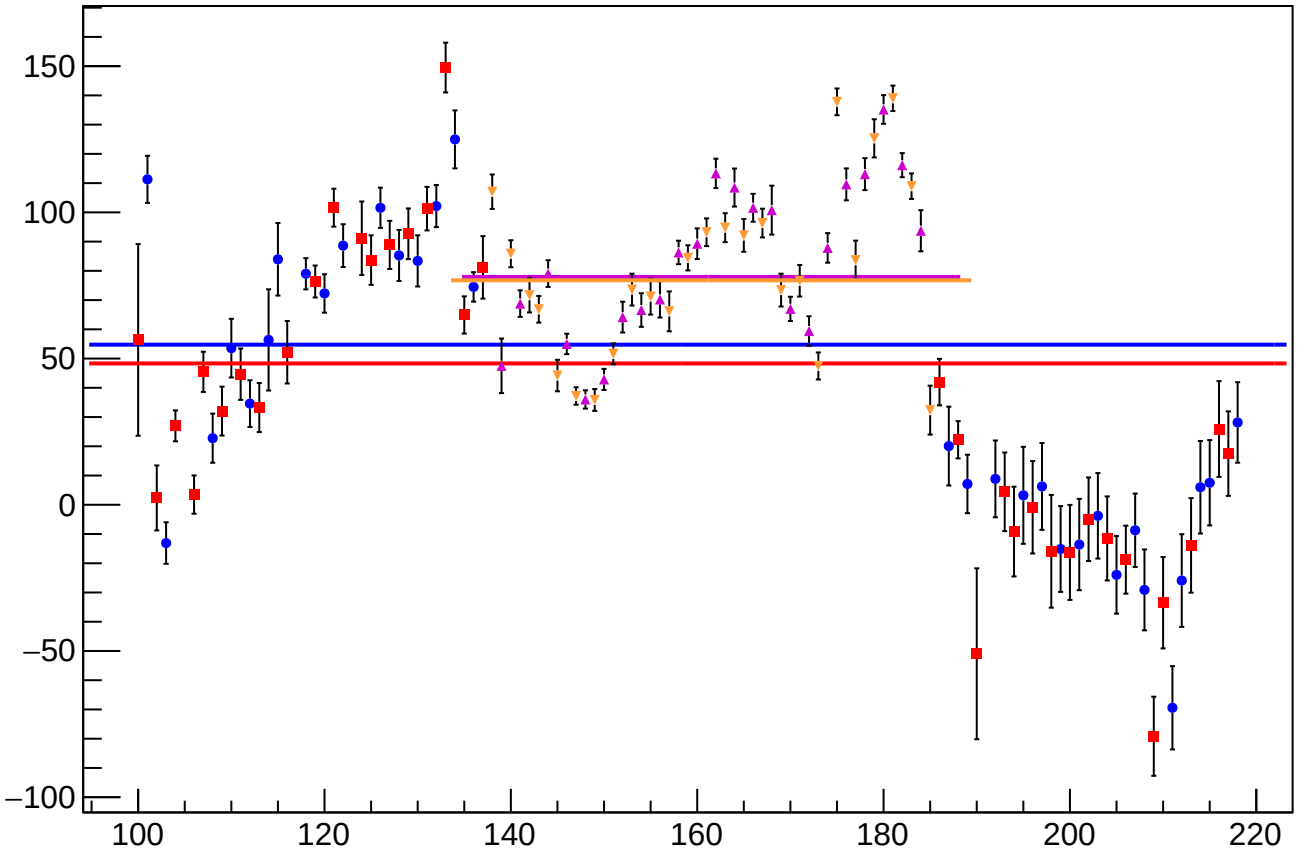
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 384.458+/-0.850 χ^2/NDF: 14951.1/66

In: 344.999+/-0.860 χ^2/NDF:9158.7/54

Out: 349.883+/-0.802 χ^2/NDF:14936.9/59

All: 347.611+/-0.587 χ^2/NDF: 24112.8/114



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: 48.333+/-1.559 χ^2/NDF: 761.5/34

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

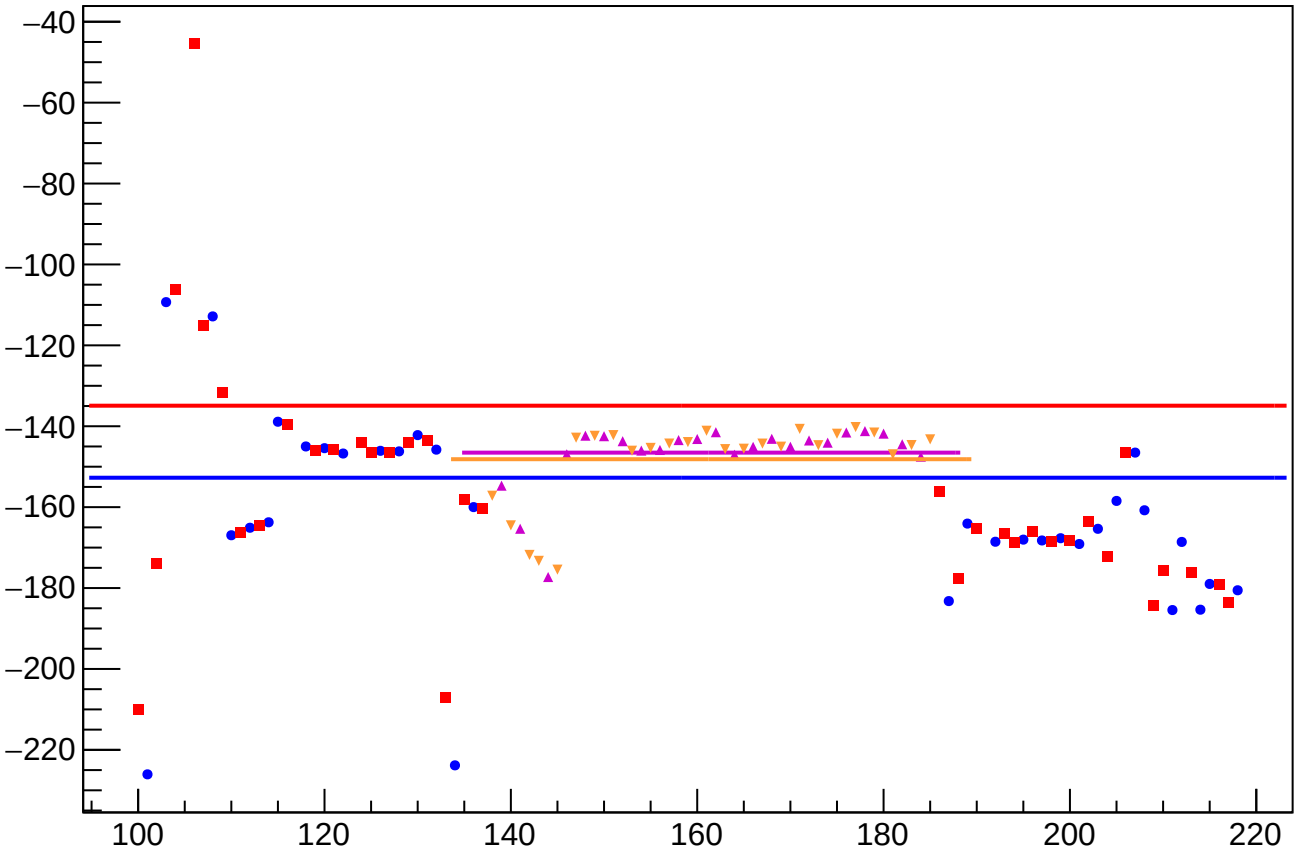
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 51.333+/-1.138 χ^2/NDF: 1506.6/66

In: 71.806+/-0.855 χ^2/NDF:1663.7/54

Out: 68.865+/-0.822 χ^2/NDF:2036.9/59

All: 70.276+/-0.592 χ^2/NDF: 3706.8/114



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: -134.919+/-0.074 χ^2/NDF: 366577.2/34

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

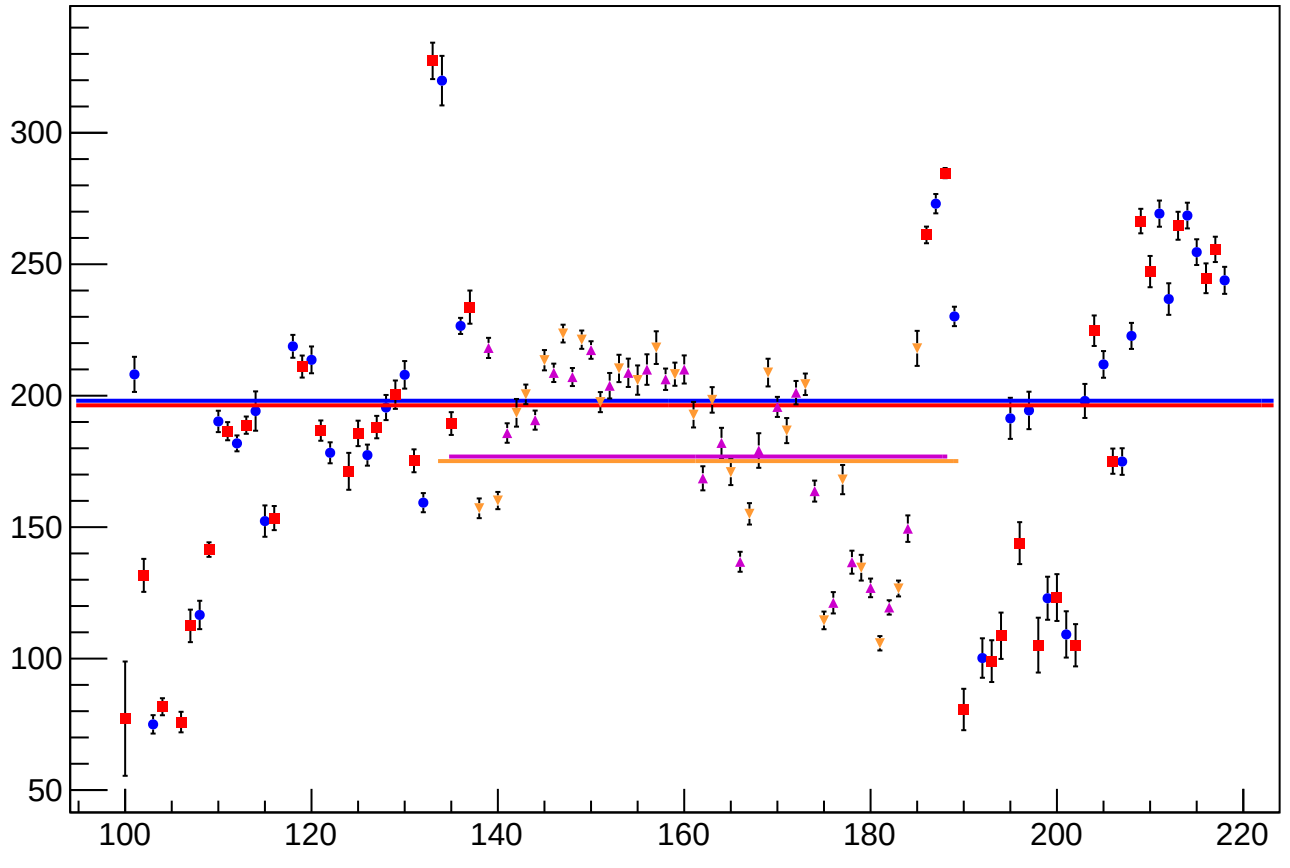
Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

Right: -143.111+/-0.054 χ^2/NDF: 547021.5/66

In: -148.041+/-0.040 χ^2/NDF:187416.1/54

Out: -144.557+/-0.038 χ^2/NDF:438859.2/59

All: -146.250+/-0.028 χ^2/NDF: 630257.5/114



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: 196.337+/-0.762 χ^2/NDF: 7494.1/34

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

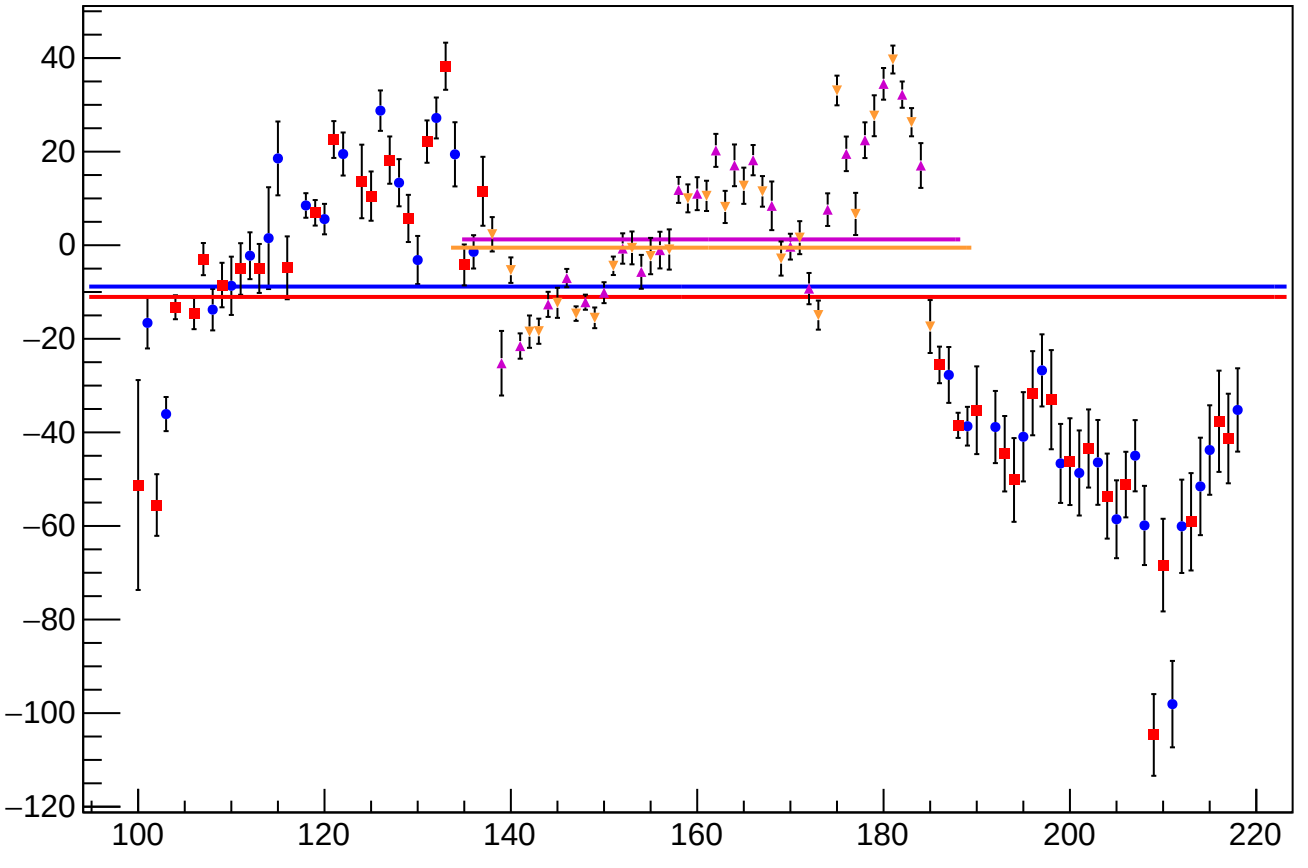
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 197.121+/-0.566 χ^2/NDF: 11074.4/66

In: 187.512+/-0.598 χ^2/NDF:5649.0/54

Out: 186.527+/-0.559 χ^2/NDF:10147.2/59

All: 186.987+/-0.408 χ^2/NDF: 15797.7/114



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: -11.052+/-0.860 χ^2/NDF: 849.7/34

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

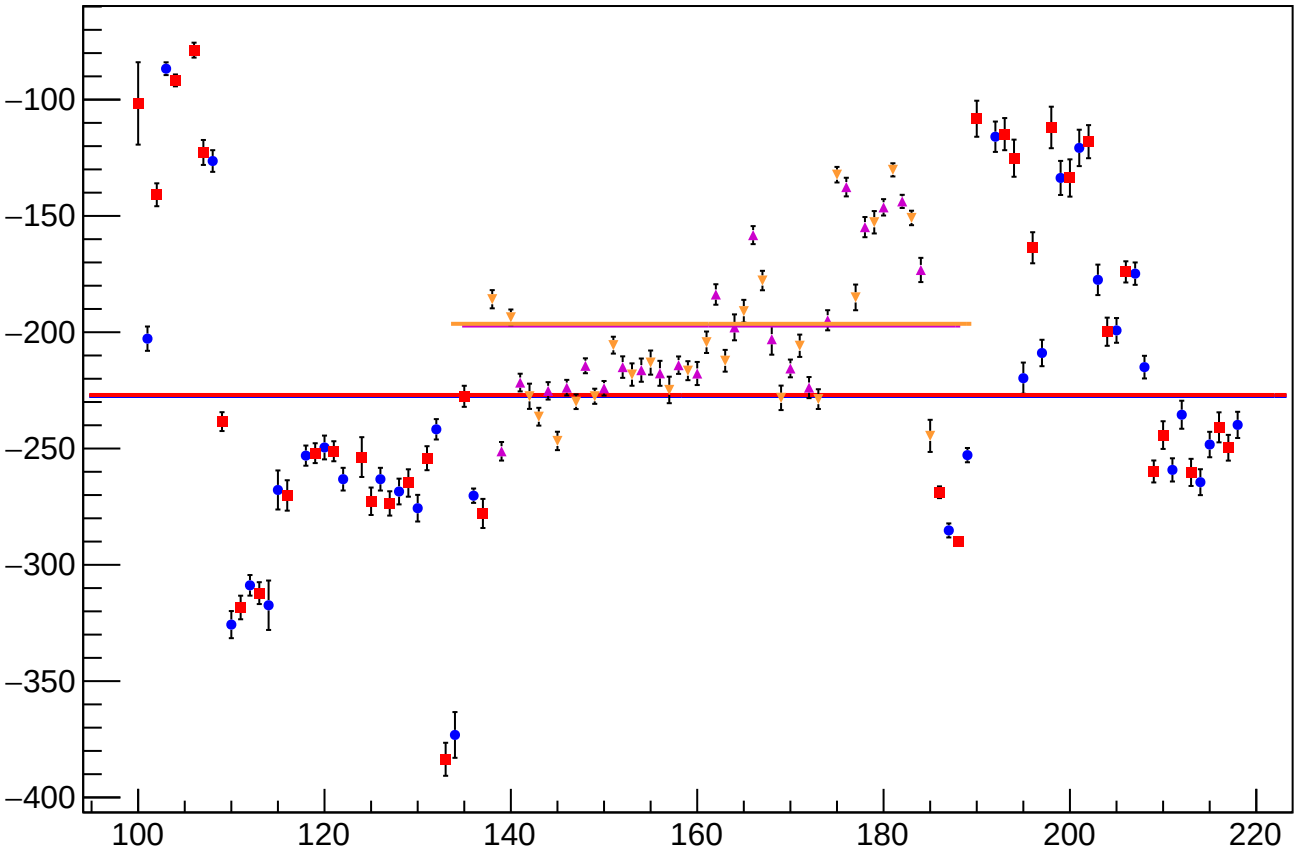
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -10.064+/-0.640 χ^2/NDF: 1616.9/66

In: -1.768+/-0.524 χ^2/NDF:1462.4/54

Out: -3.974+/-0.493 χ^2/NDF:1674.8/59

All: -2.939+/-0.359 χ^2/NDF: 3146.7/114



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: -226.975+/-0.750 χ^2/NDF: 10673.5/34

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

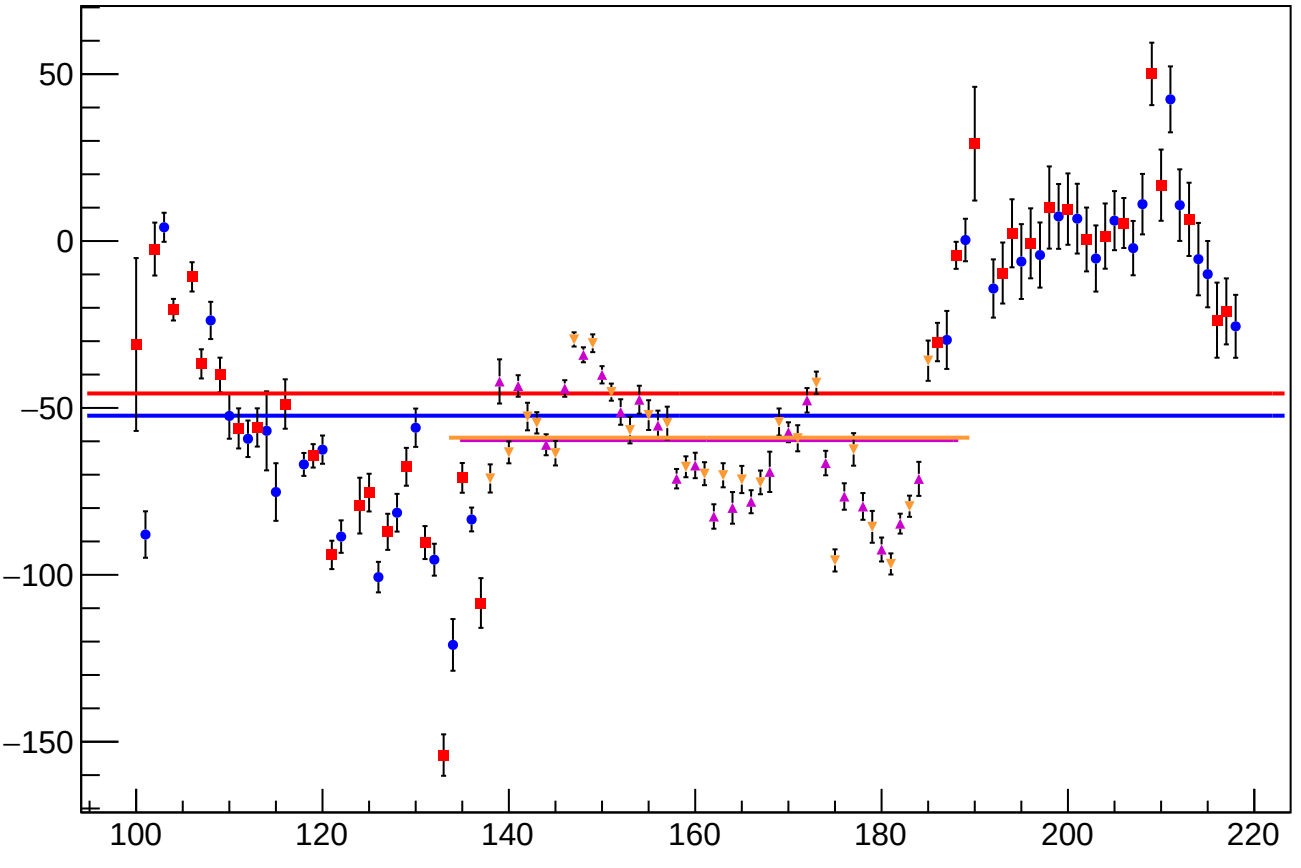
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -227.167+/-0.565 χ^2/NDF: 16620.6/66

In: -211.906+/-0.599 χ^2/NDF:8187.6/54

Out: -212.951+/-0.552 χ^2/NDF:13433.1/59

All: -212.471+/-0.406 χ^2/NDF: 21622.3/114



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: -45.665+/-1.031 χ^2/NDF: 1429.0/34

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

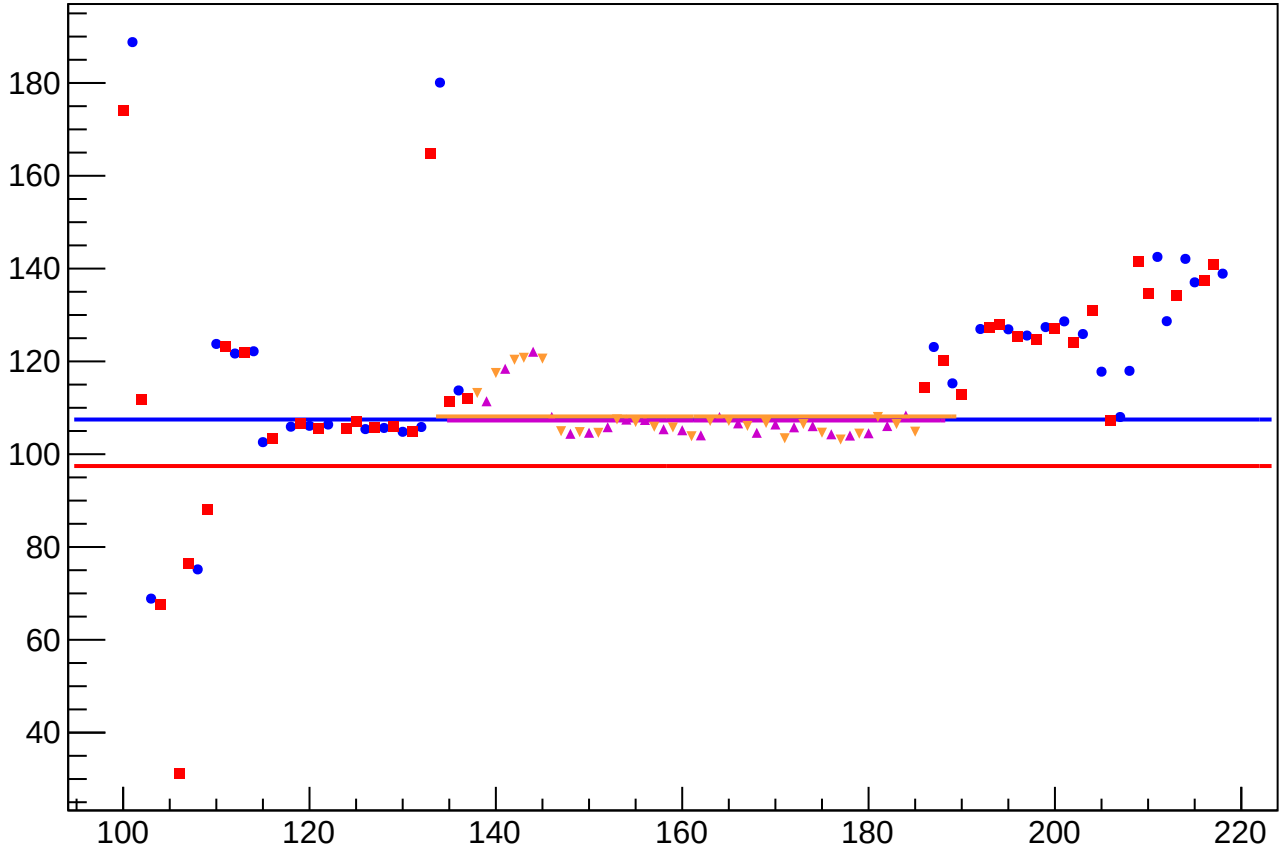
Right: -48.728+/-0.758 χ^2/NDF: 2661.3/66

In: -57.500+/-0.604 χ^2/NDF:1840.4/54

Out: -54.775+/-0.576 χ^2/NDF:2324.9/59

All: -56.073+/-0.417 χ^2/NDF: 4176.0/114

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: 97.450+/-0.050 χ^2/NDF: 418386.6/34

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

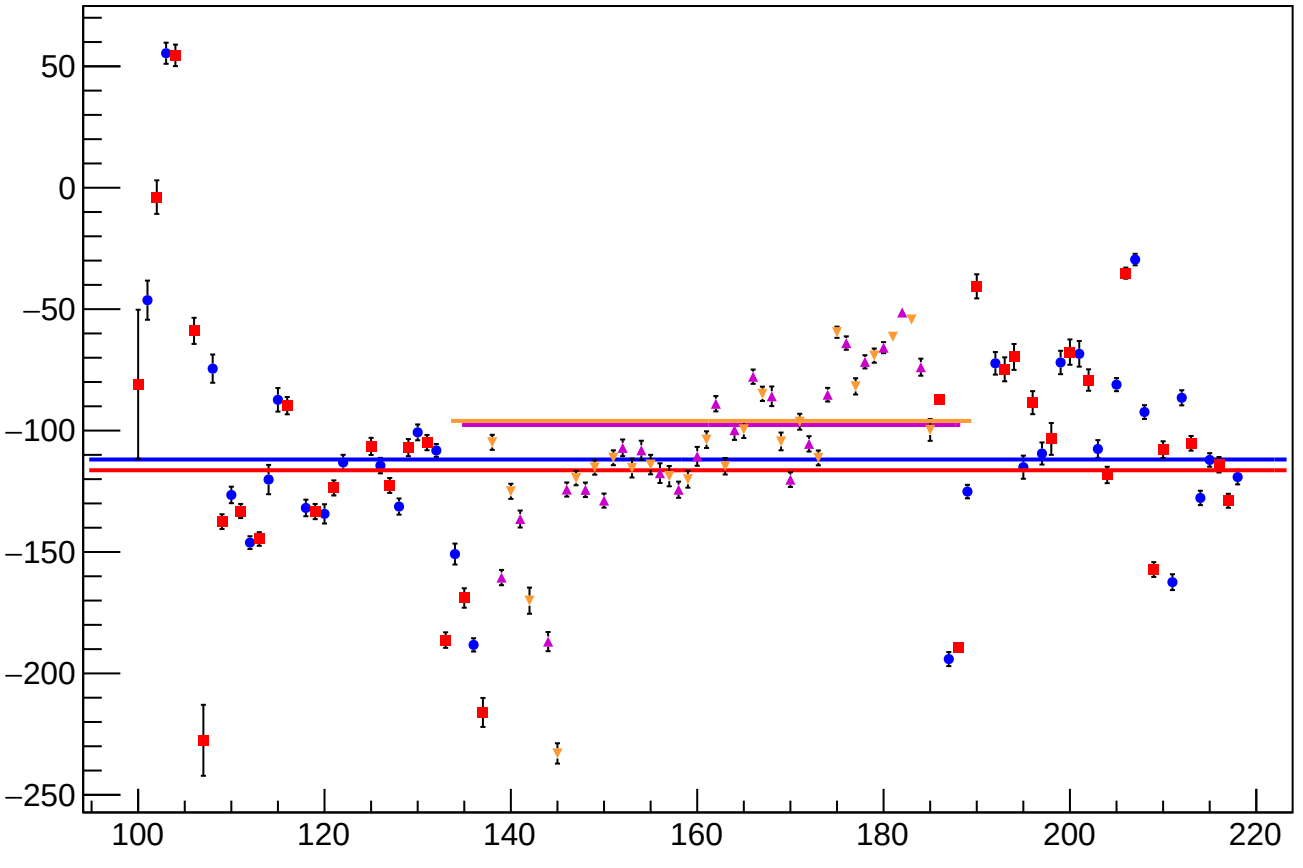
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 102.111+/-0.036 χ^2/NDF: 729396.6/66

In: 107.323+/-0.028 χ^2/NDF:309088.5/54

Out: 104.954+/-0.027 χ^2/NDF:477089.5/59

All: 106.105+/-0.020 χ^2/NDF: 789864.9/114



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: -116.342+/-0.566 χ^2/NDF: 7535.9/33

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

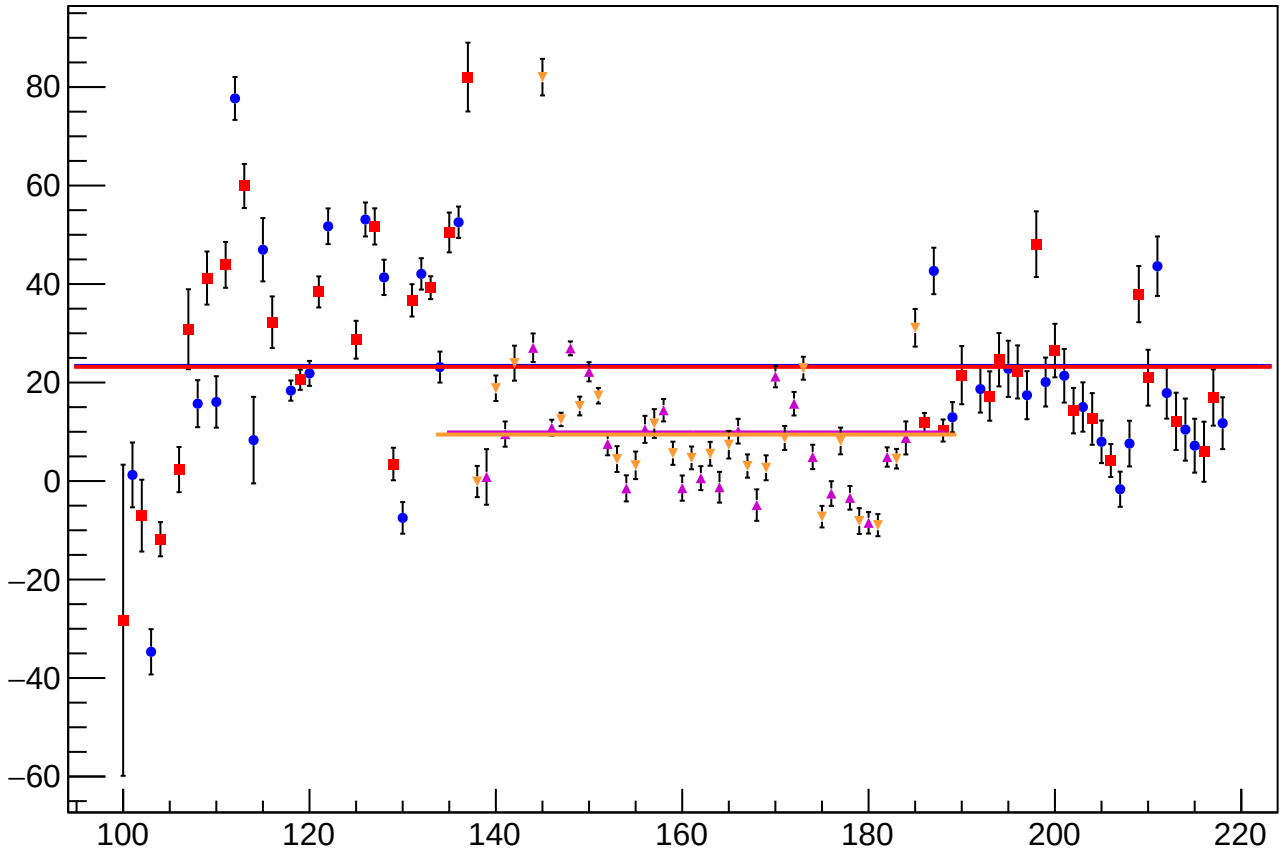
Left: -96.865+/-0.450 χ^2/NDF: 5415.3/46

Right: -114.249+/-0.411 χ^2/NDF: 13102.3/65

In: -105.264+/-0.437 χ^2/NDF:8441.1/54

Out: -107.346+/-0.422 χ^2/NDF:10877.4/57

All: -106.340+/-0.304 χ^2/NDF: 19330.3/112



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: 23.190+/-0.671 χ^2/NDF: 689.1/33

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

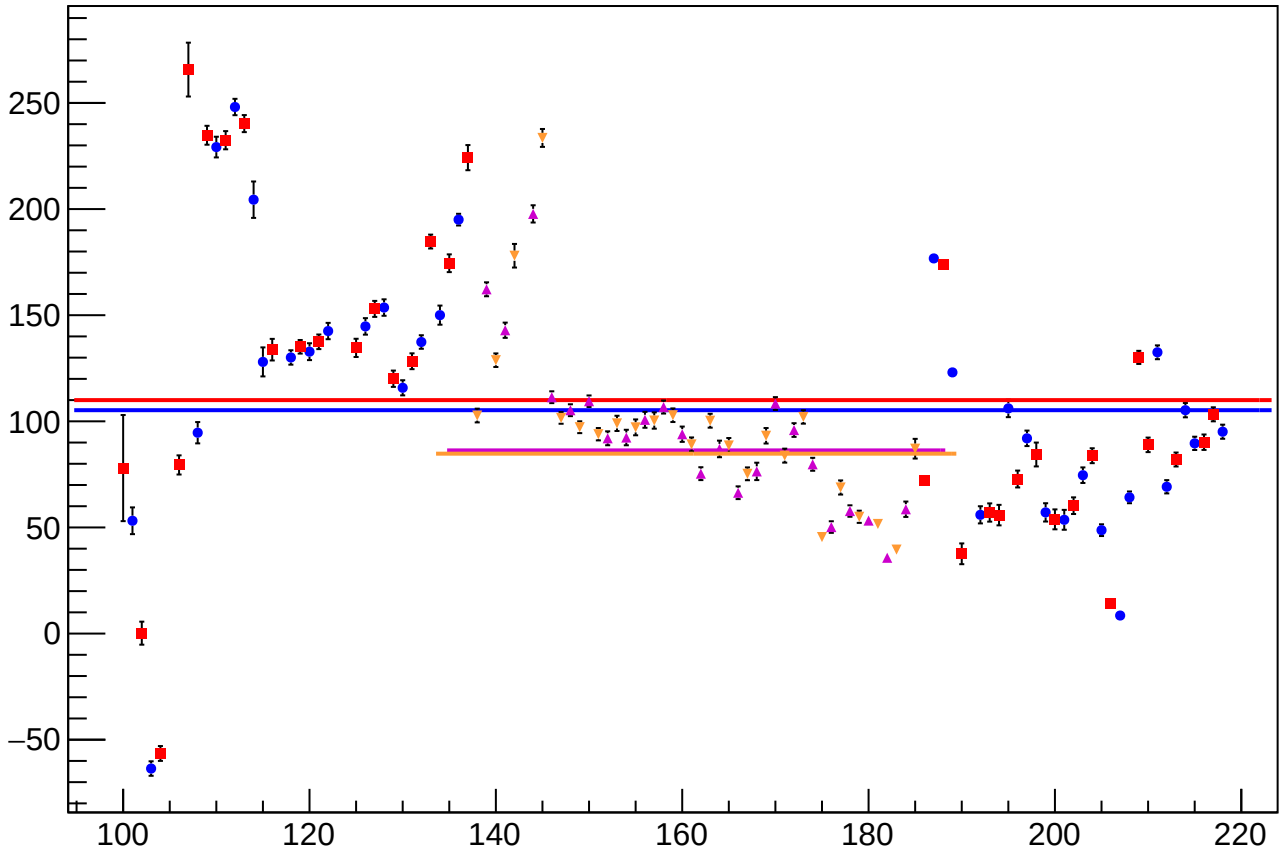
Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

Right: 23.276+/-0.488 χ^2/NDF: 1552.2/65

In: 14.186+/-0.401 χ^2/NDF:1595.0/54

Out: 14.065+/-0.389 χ^2/NDF:1704.0/57

All: 14.124+/-0.279 χ^2/NDF: 3299.1/112



Right In: 105.246+/-0.613 χ^2/NDF: 10552.9/31

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

Right Out: 109.995+/-0.555 χ^2/NDF: 13292.9/33

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

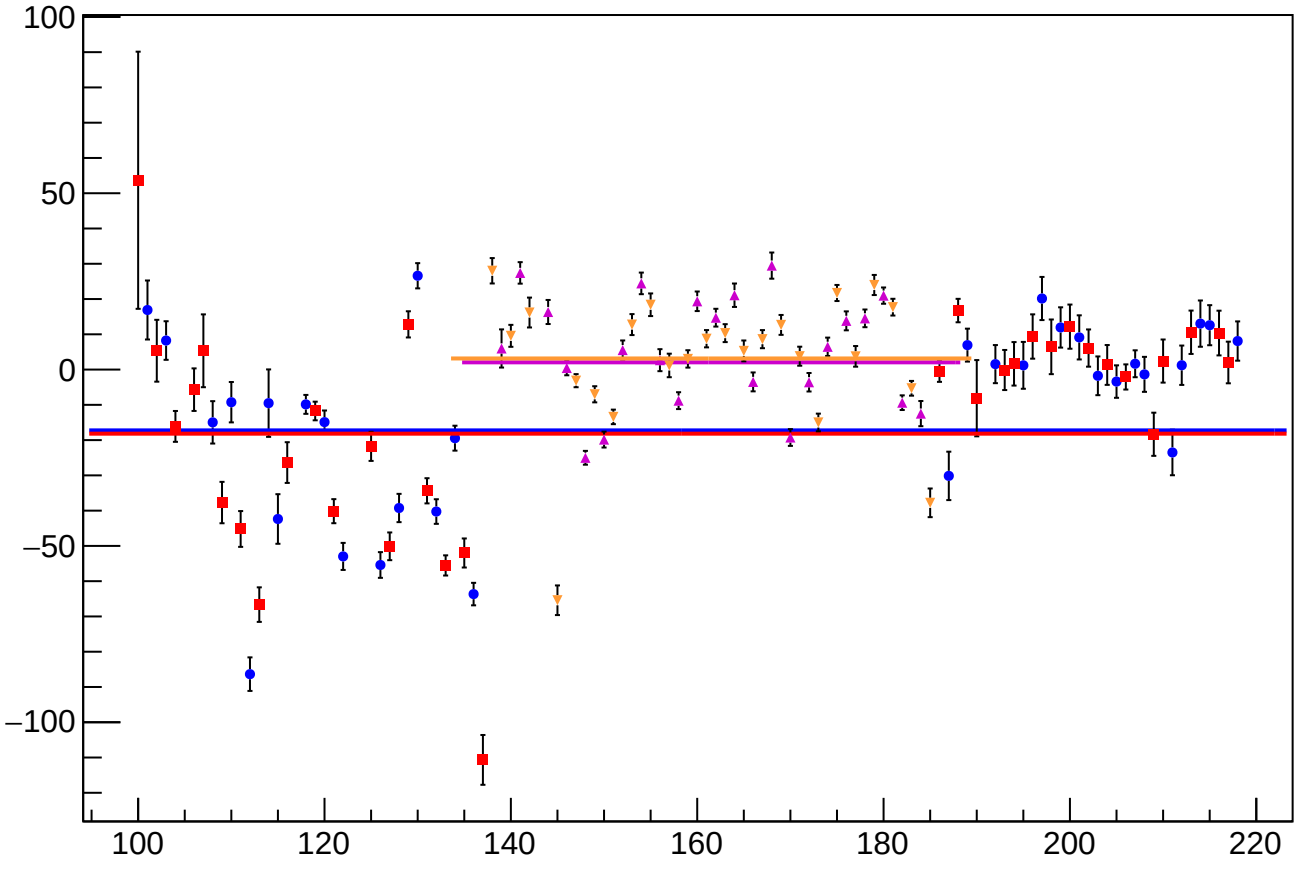
Right: 107.855+/-0.411 χ^2/NDF: 23878.9/65

In: 96.061+/-0.440 χ^2/NDF:14169.0/54

Out: 98.951+/-0.416 χ^2/NDF:17308.2/57

All: 97.586+/-0.302 χ^2/NDF: 31500.0/112

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: -18.175+/-0.800 χ^2/NDF: 1112.1/33

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

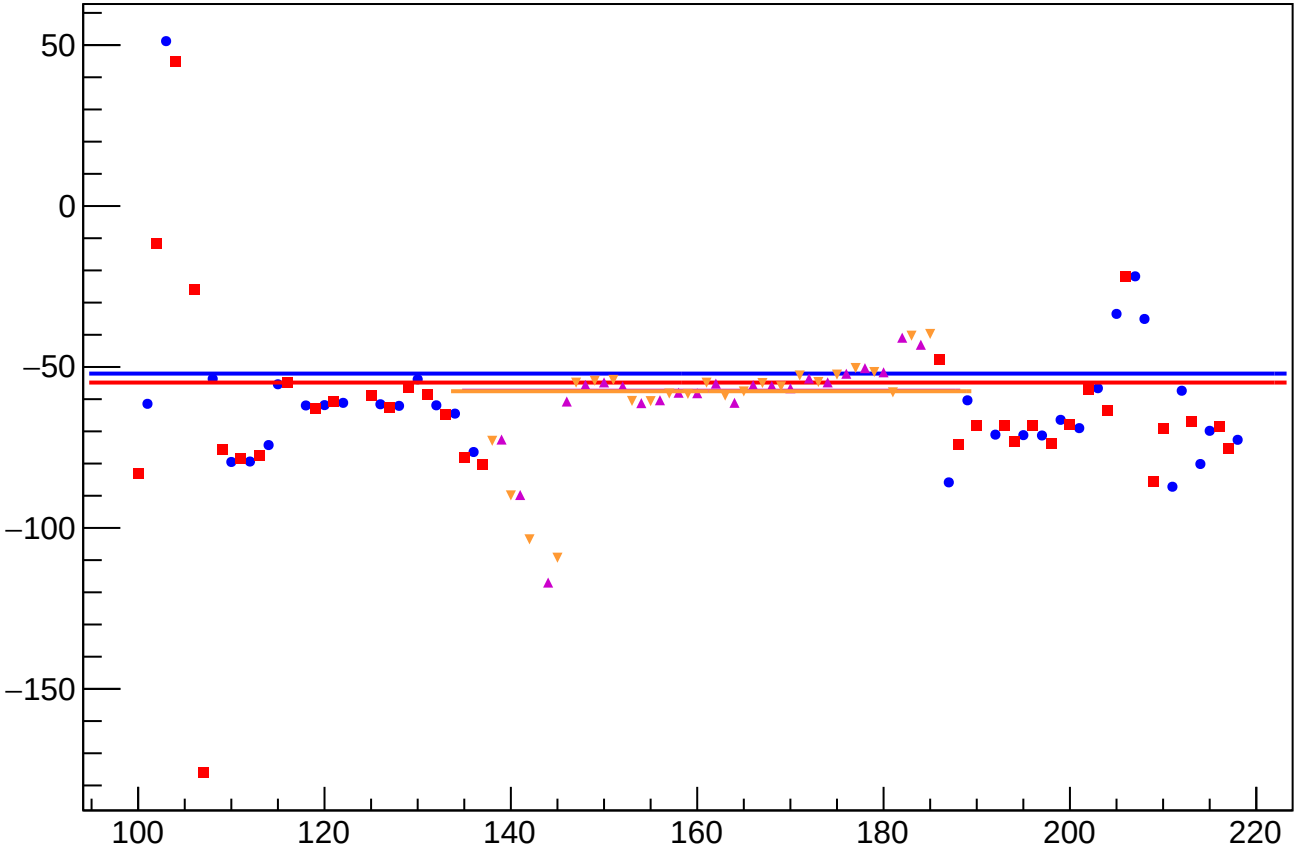
Right: -17.720+/-0.572 χ^2/NDF: 2282.9/65

In: -3.976+/-0.457 χ^2/NDF:2403.9/54

Out: -3.589+/-0.450 χ^2/NDF:2412.2/57

All: -3.779+/-0.320 χ^2/NDF: 4816.4/112

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -54.838+/-0.040 χ^2/NDF: 641865.4/33

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

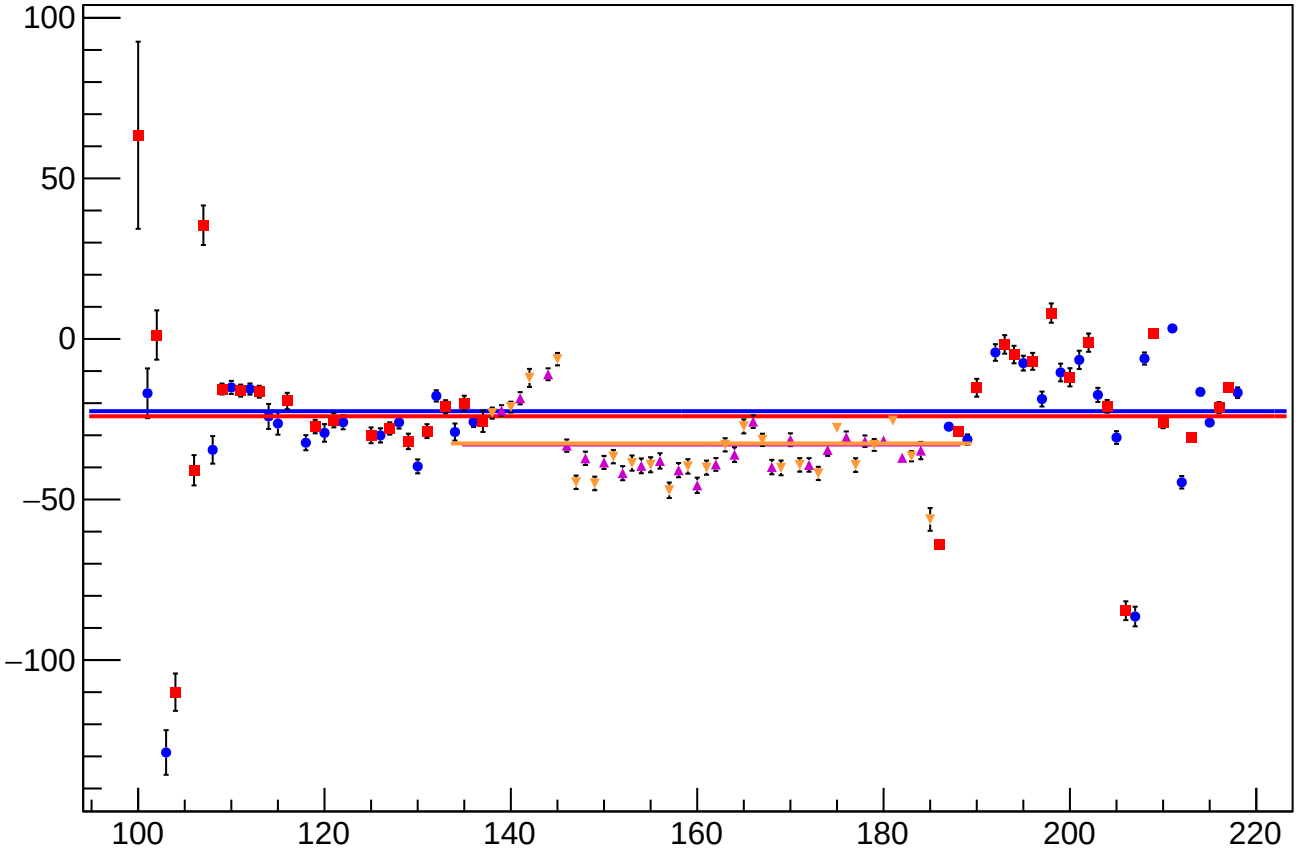
Right: -53.433+/-0.028 χ^2/NDF: 1377903.4/65

In: -55.877+/-0.021 χ^2/NDF:973744.1/54

Out: -56.782+/-0.021 χ^2/NDF:912190.2/57

All: -56.328+/-0.015 χ^2/NDF: 1886862.6/112

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: -24.079+/-0.352 χ^2/NDF: 2421.8/33

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

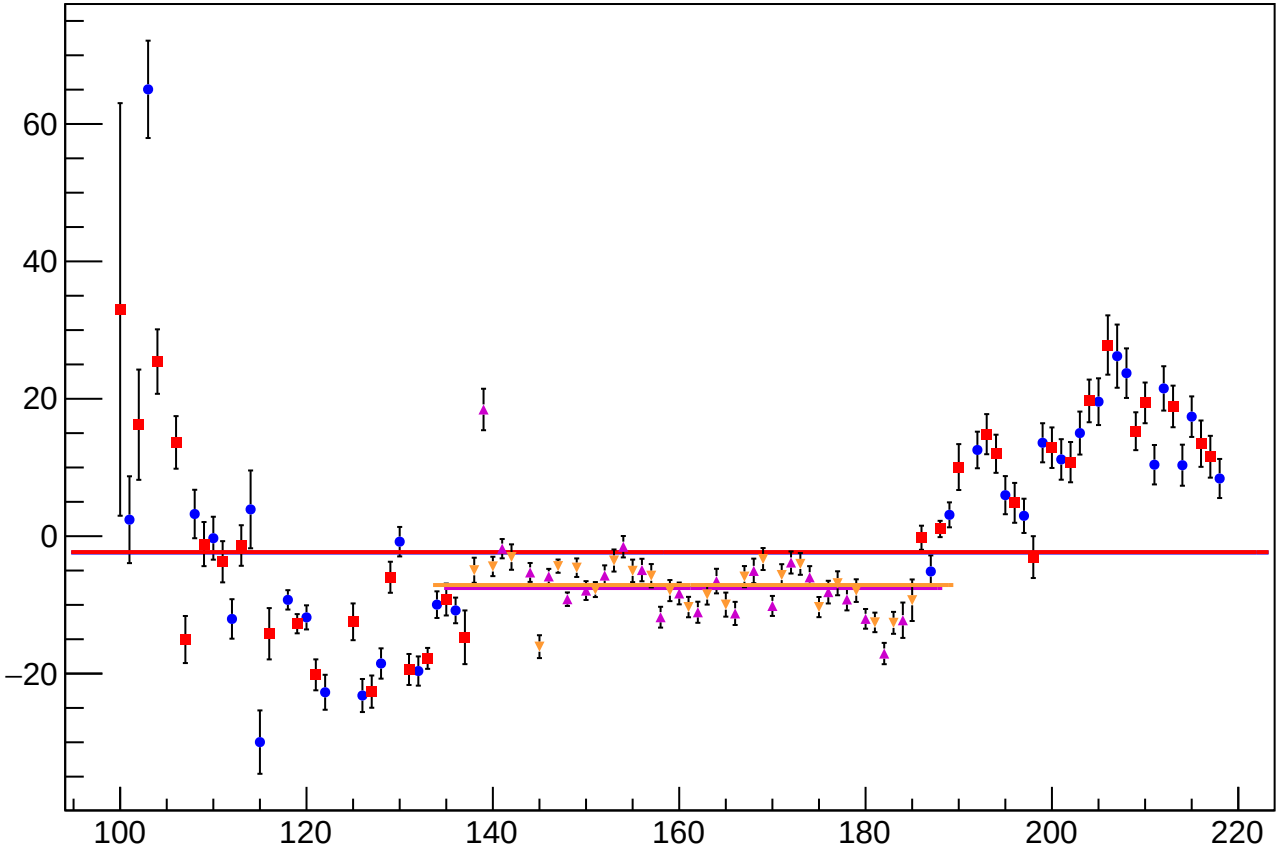
Right: -23.324+/-0.255 χ^2/NDF: 3986.7/65

In: -27.118+/-0.275 χ^2/NDF:2280.9/54

Out: -27.709+/-0.266 χ^2/NDF:3273.4/57

All: -27.423+/-0.191 χ^2/NDF: 5556.7/112

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: -2.316+/-0.436 χ^2/NDF: 895.5/33

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

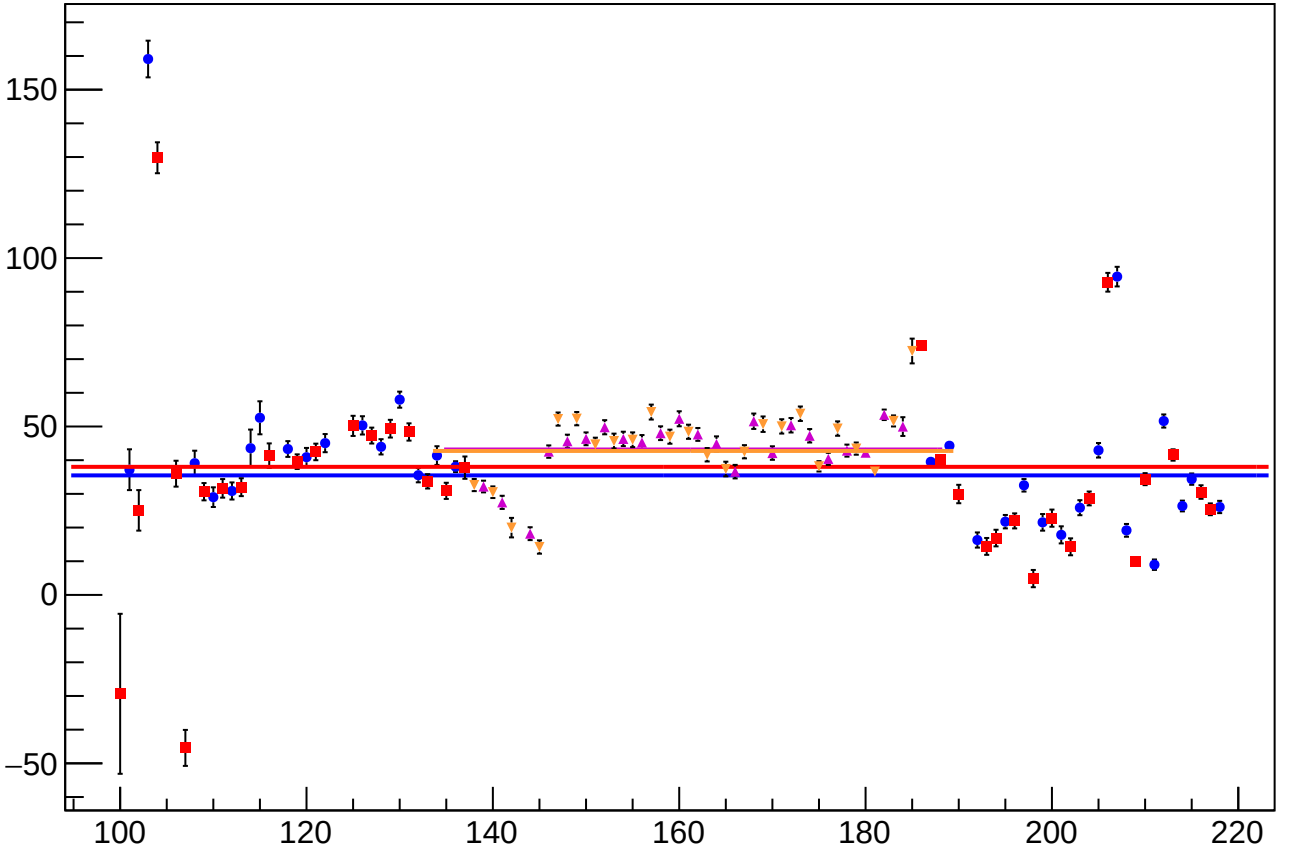
Right: -2.346+/-0.315 χ^2/NDF: 1808.7/65

In: -5.875+/-0.259 χ^2/NDF:1199.9/54

Out: -5.507+/-0.252 χ^2/NDF:1085.3/57

All: -5.686+/-0.181 χ^2/NDF: 2286.3/112

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 38.023+/-0.348 χ^2/NDF: 3144.7/33

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

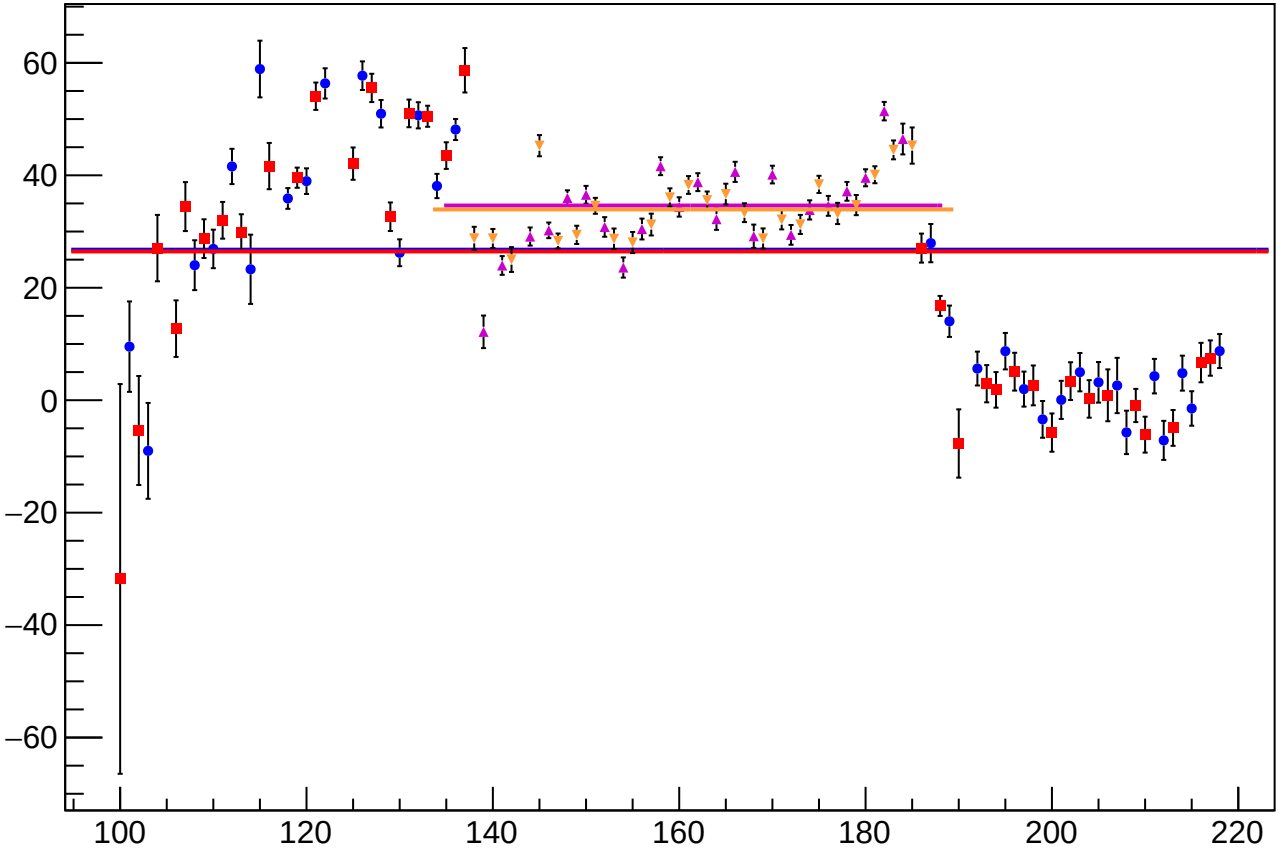
Right: 36.854+/-0.256 χ^2/NDF: 5067.2/65

In: 39.031+/-0.277 χ^2/NDF:2502.9/54

Out: 40.039+/-0.264 χ^2/NDF:3854.8/57

All: 39.560+/-0.191 χ^2/NDF: 6364.6/112

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 26.460+/-0.518 χ^2/NDF: 1619.4/33

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

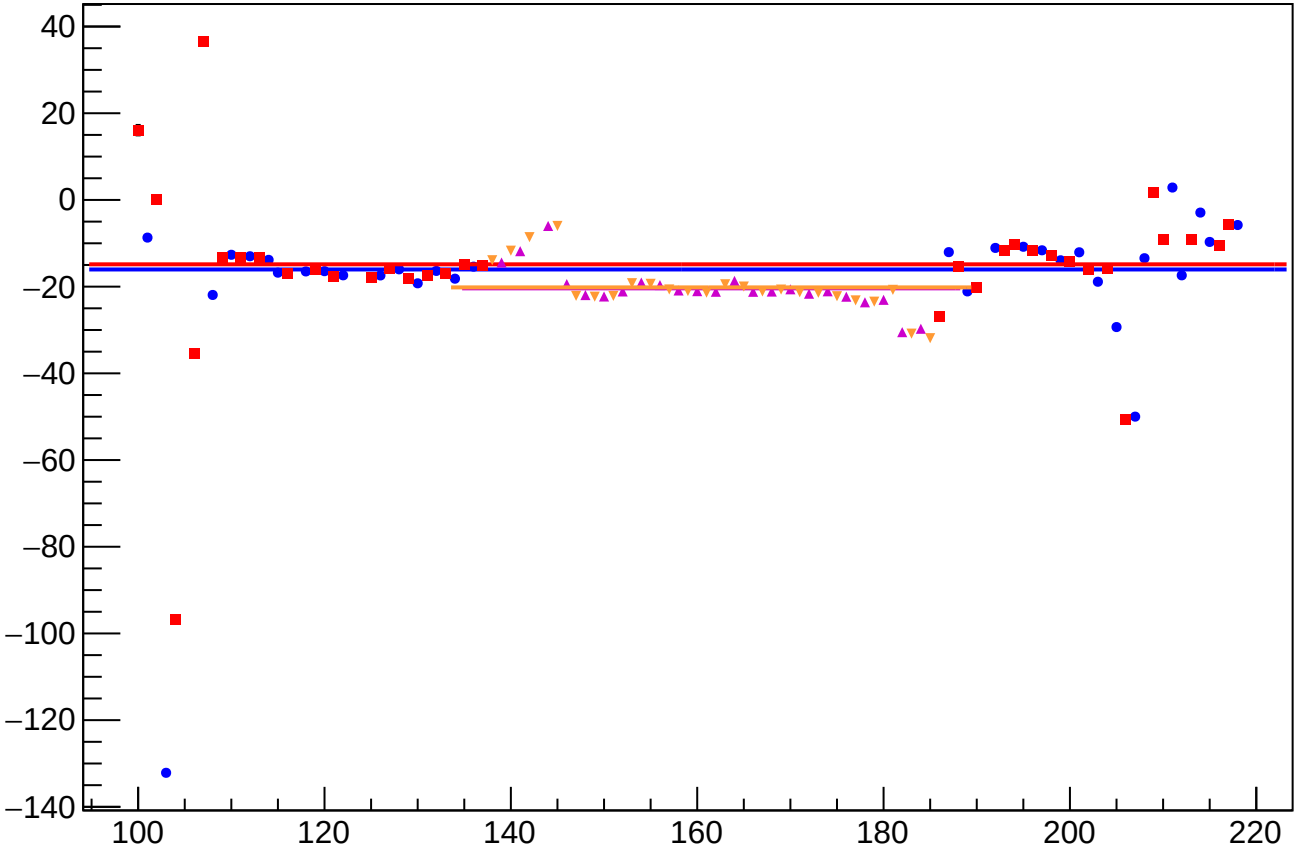
Right: 26.614+/-0.369 χ^2/NDF: 3198.2/65

In: 32.151+/-0.295 χ^2/NDF:2107.6/54

Out: 31.581+/-0.290 χ^2/NDF:1978.6/57

All: 31.862+/-0.207 χ^2/NDF: 4088.1/112

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -14.852+/-0.025 χ^2/NDF: 278742.4/33

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

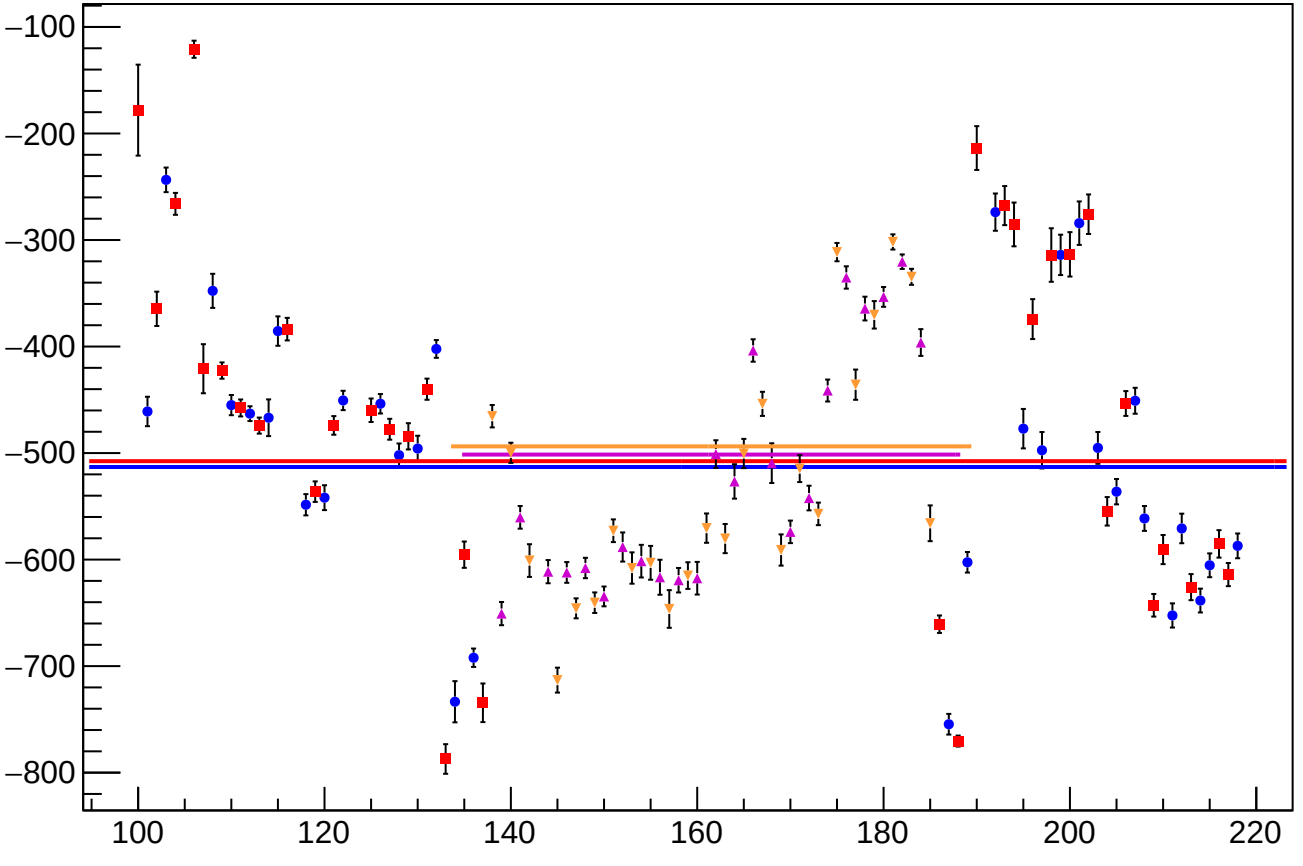
Right: -15.441+/-0.018 χ^2/NDF: 615715.5/65

In: -19.193+/-0.013 χ^2/NDF:438085.5/54

Out: -18.689+/-0.013 χ^2/NDF:410455.6/57

All: -18.940+/-0.009 χ^2/NDF: 849247.1/112

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -513.085+/-2.031 χ^2/NDF: 3279.9/31

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -507.608+/-1.881 χ^2/NDF: 8285.4/33

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

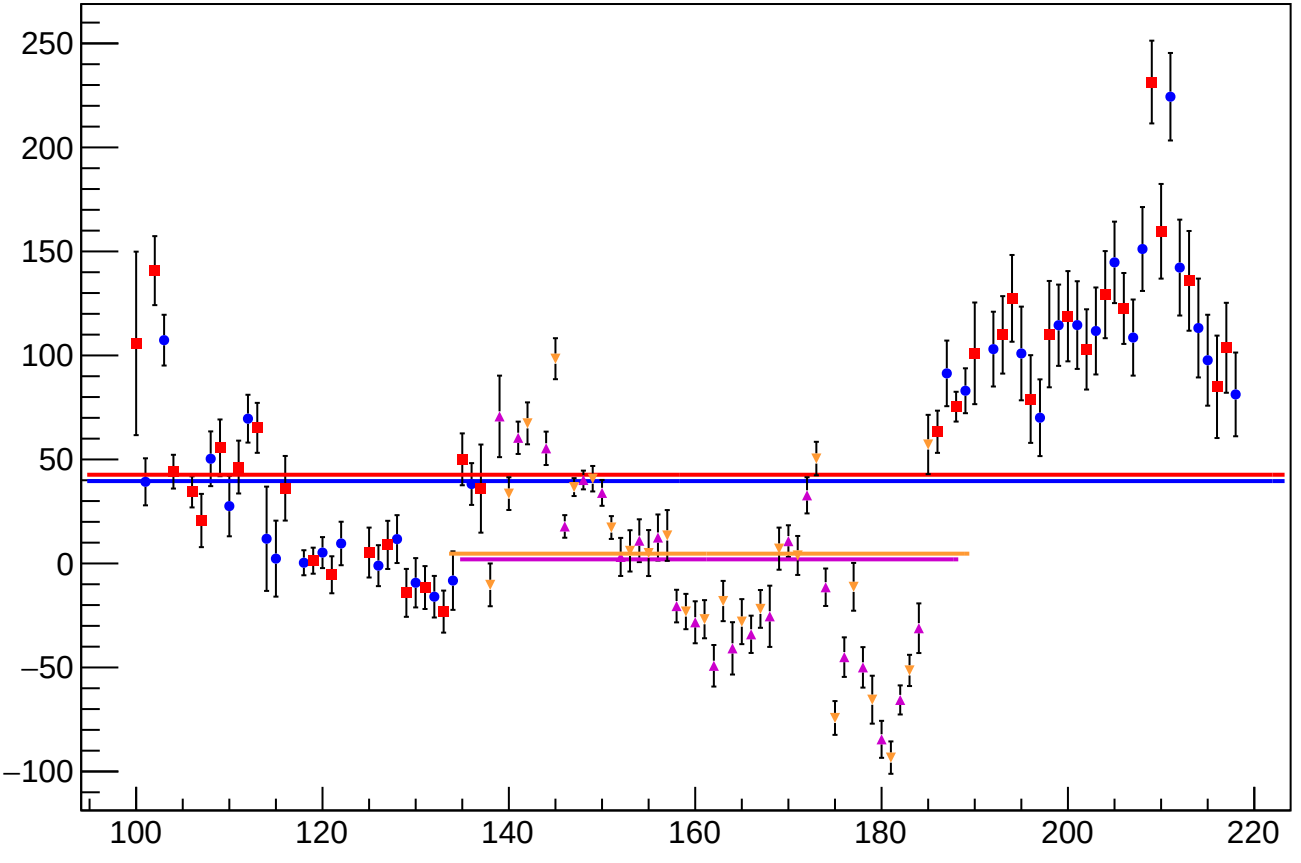
Right: -510.136+/-1.380 χ^2/NDF: 11569.2/65

In: -507.992+/-1.524 χ^2/NDF:5983.6/54

Out: -502.029+/-1.455 χ^2/NDF:11457.3/57

All: -504.871+/-1.052 χ^2/NDF: 17448.9/112

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 42.652+/-2.160 χ^2/NDF: 505.8/33

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

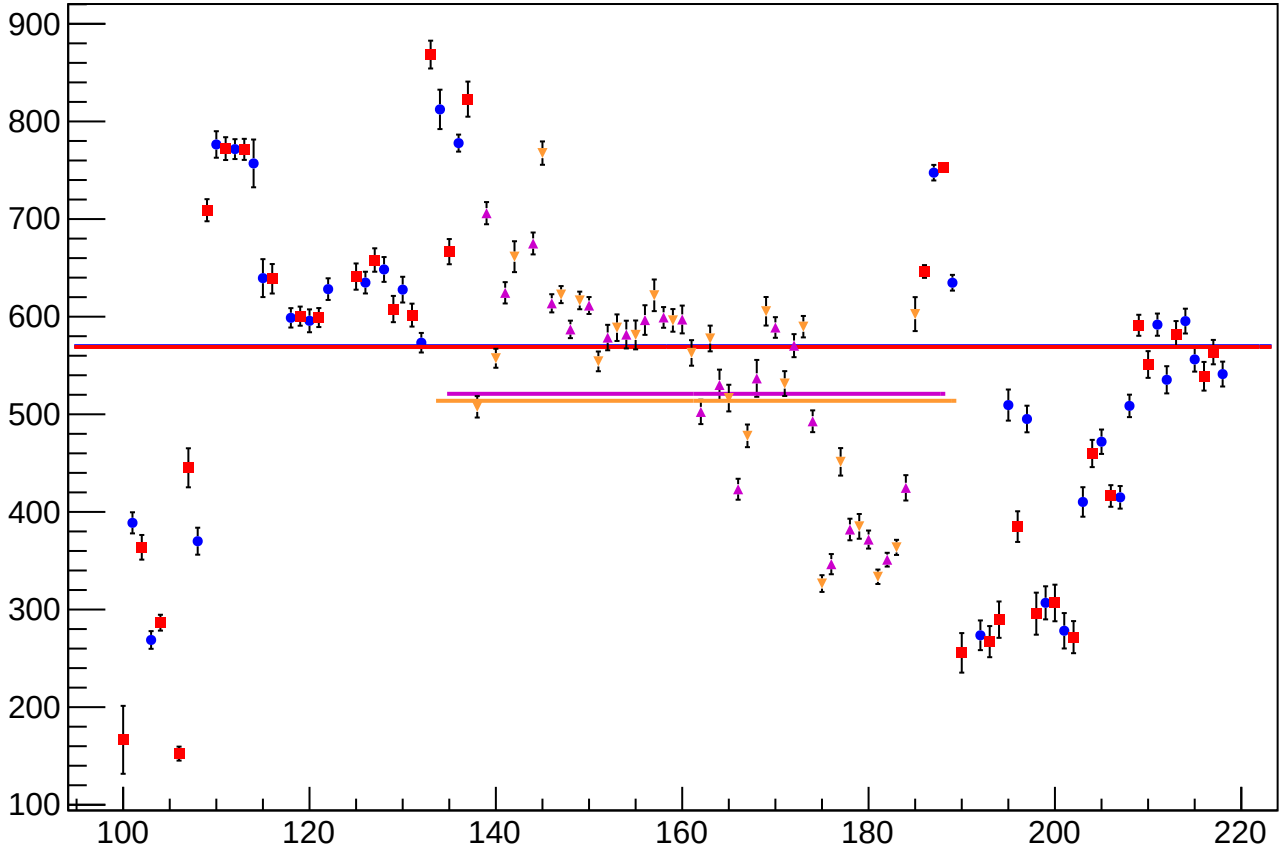
Right: 41.223+/-1.576 χ^2/NDF: 986.1/65

In: 15.448+/-1.379 χ^2/NDF:1211.2/54

Out: 19.178+/-1.334 χ^2/NDF:1377.1/57

All: 17.376+/-0.959 χ^2/NDF: 2592.0/112

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: 568.973+/-1.890 χ^2/NDF: 10678.2/33

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

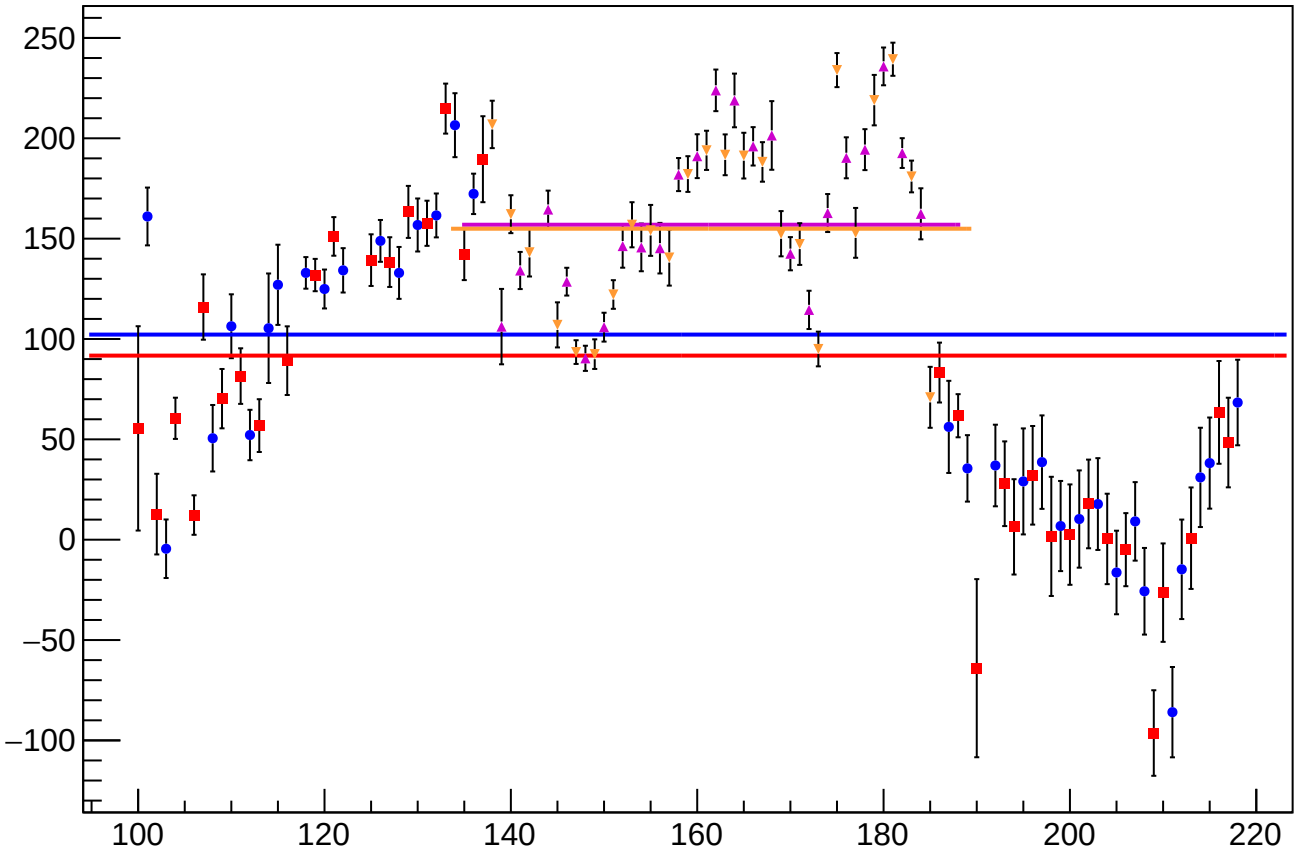
Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

Right: 569.336+/-1.407 χ^2/NDF: 15699.3/65

In: 547.343+/-1.548 χ^2/NDF:7710.5/54

Out: 546.481+/-1.454 χ^2/NDF:13760.9/57

All: 546.885+/-1.060 χ^2/NDF: 21471.6/112



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: 91.723+/-2.574 χ^2/NDF: 637.3/33

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

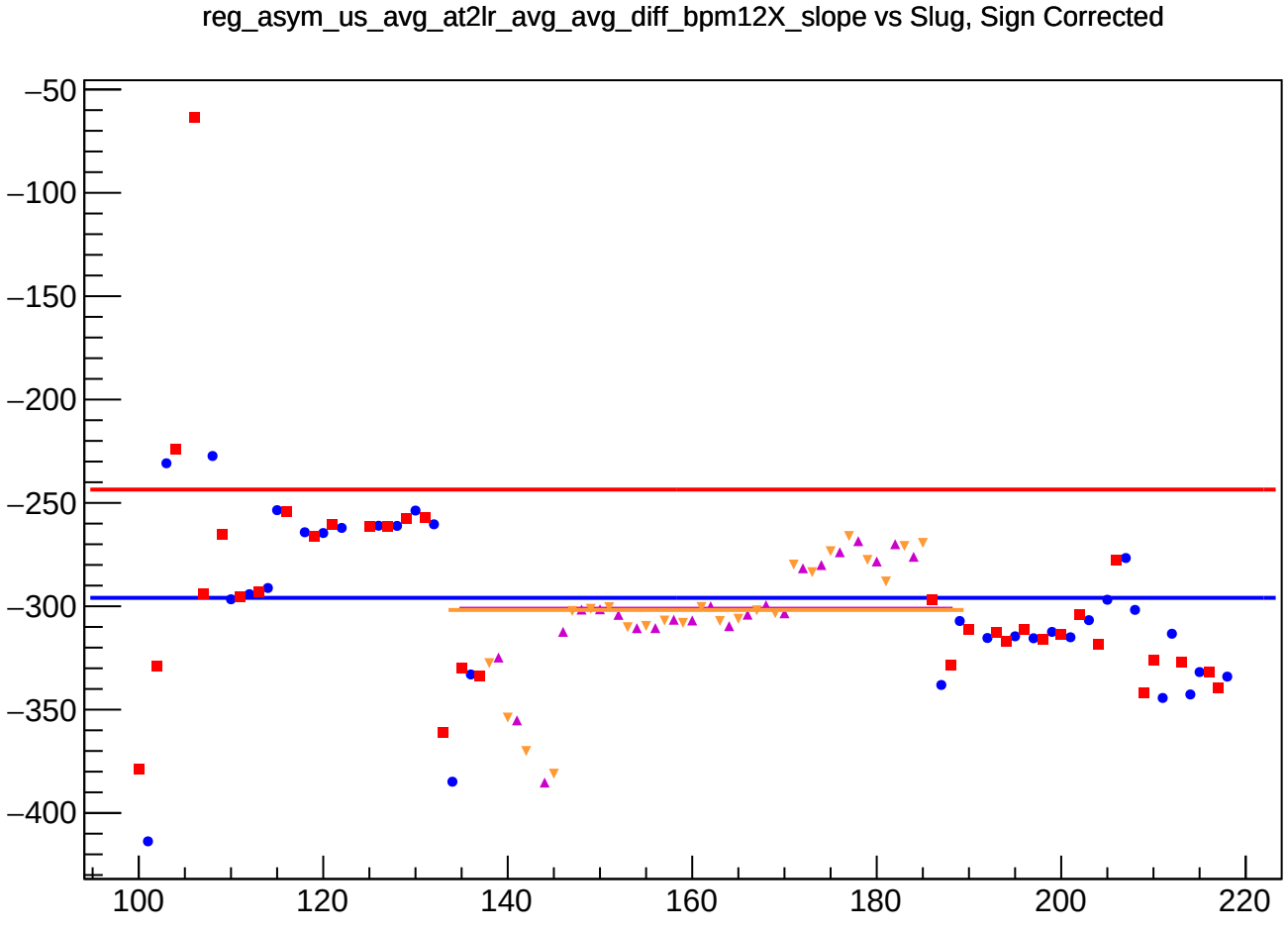
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 96.739+/-1.858 χ^2/NDF: 1228.3/65

In: 137.771+/-1.589 χ^2/NDF:1296.2/54

Out: 131.841+/-1.556 χ^2/NDF:1629.2/57

All: 134.743+/-1.112 χ^2/NDF: 2932.5/112



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: -243.545+/-0.121 χ^2/NDF: 713022.6/33

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

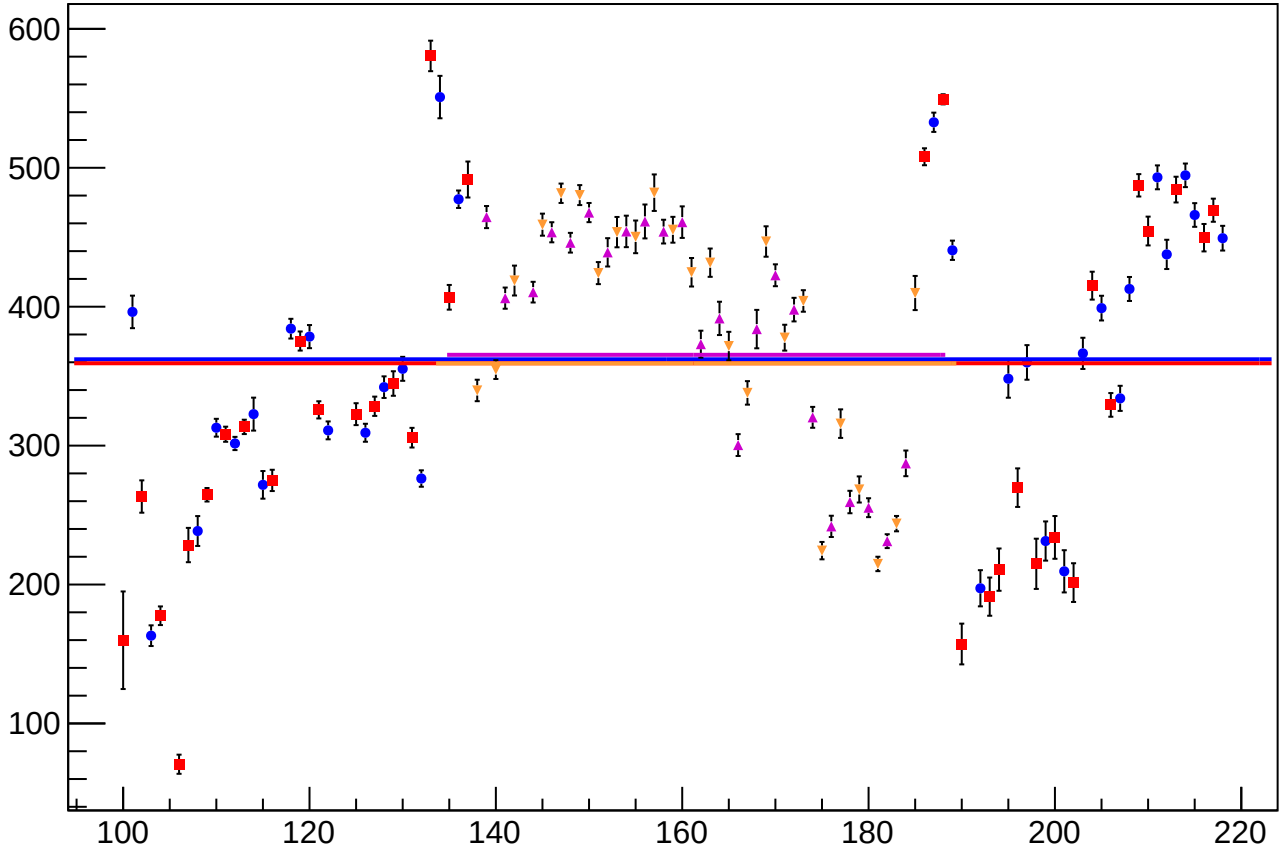
Right: -266.573+/-0.091 χ^2/NDF: 914493.5/65

In: -299.589+/-0.075 χ^2/NDF:195808.6/54

Out: -280.866+/-0.073 χ^2/NDF:947548.2/57

All: -289.907+/-0.052 χ^2/NDF: 1175401.8/11

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: 359.281+/-1.347 χ^2/NDF: 8903.5/33

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

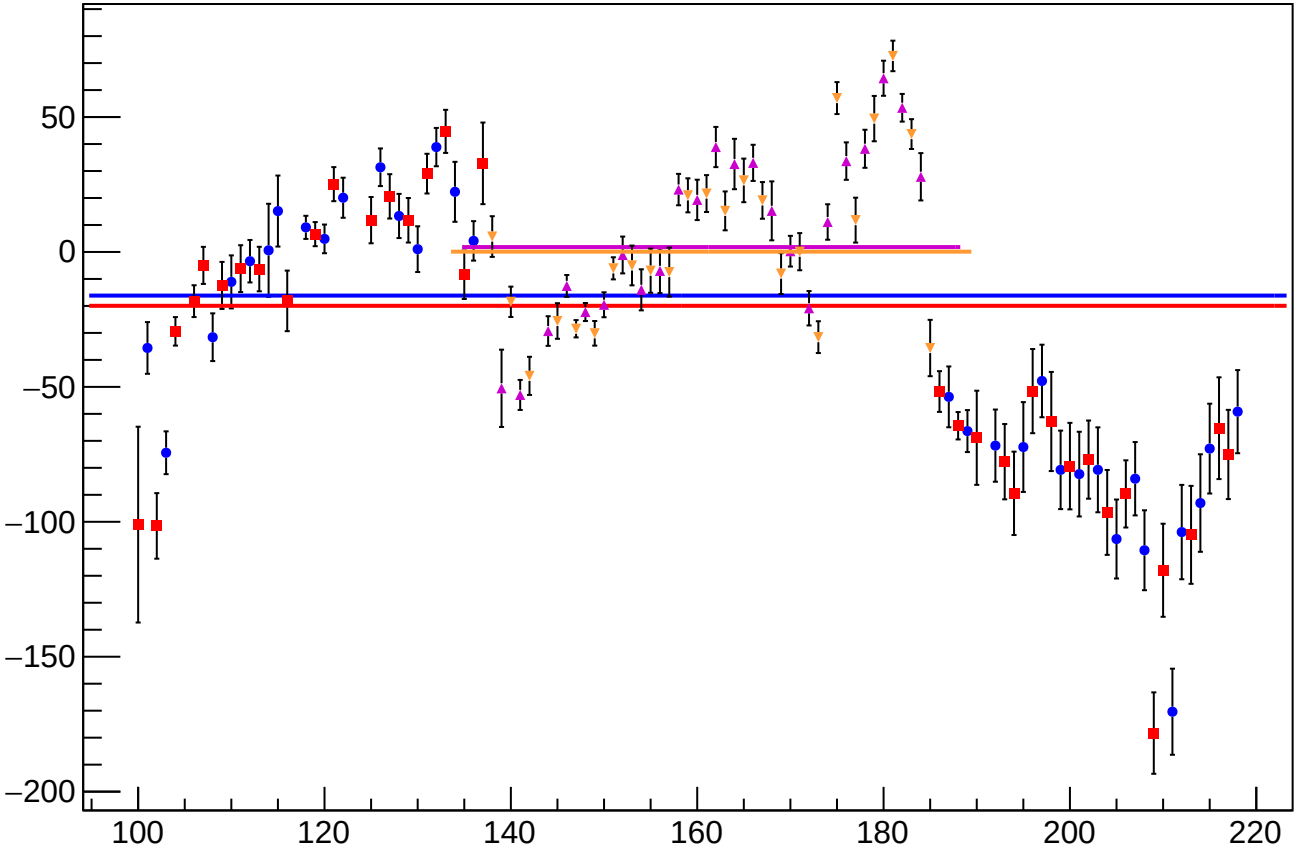
Right: 360.594+/-0.991 χ^2/NDF: 12837.9/65

In: 363.518+/-1.106 χ^2/NDF:6673.9/54

Out: 359.245+/-1.051 χ^2/NDF:12091.4/57

All: 361.272+/-0.762 χ^2/NDF: 18773.2/112

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: -19.952+/-1.535 χ^2/NDF: 741.7/33

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

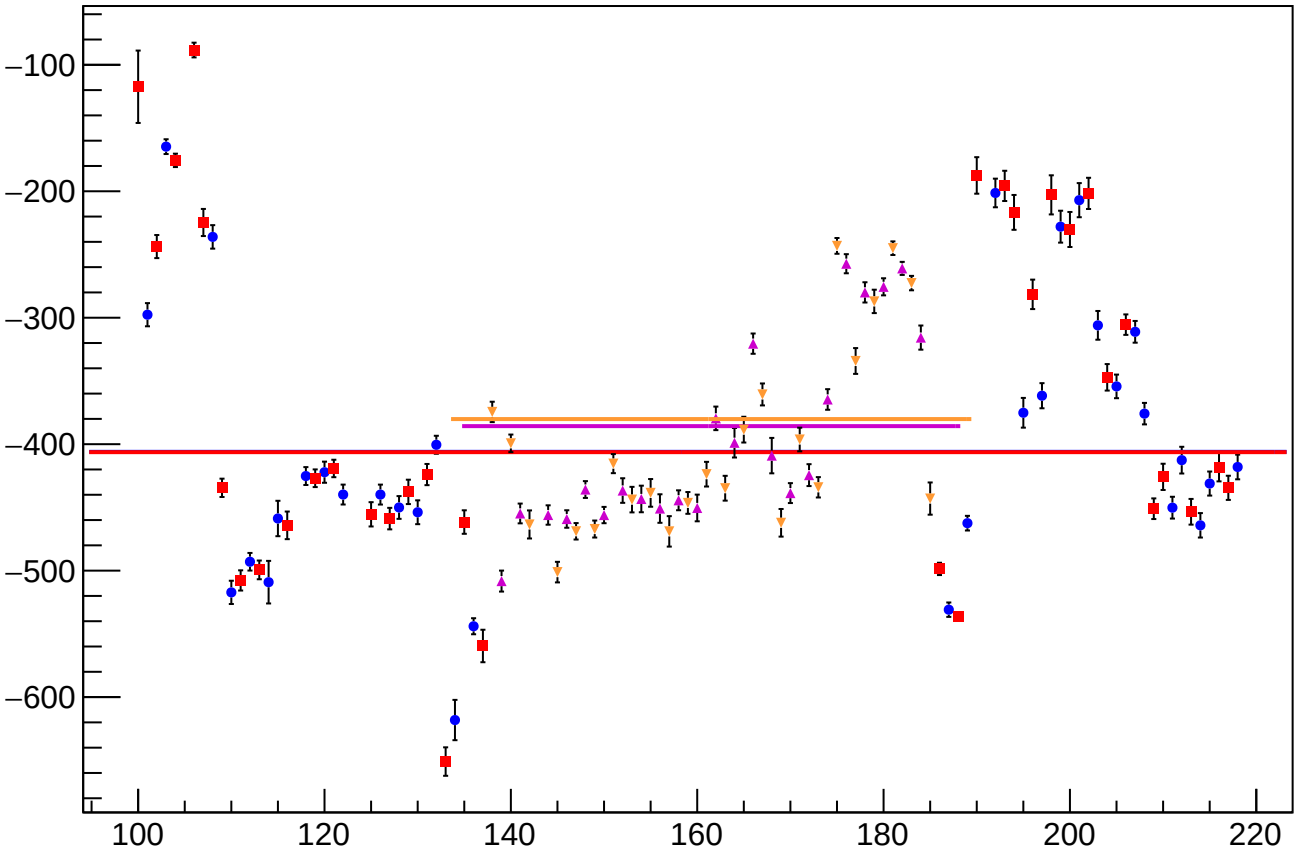
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -18.204+/-1.126 χ^2/NDF: 1433.7/65

In: -4.818+/-1.007 χ^2/NDF:1340.4/54

Out: -7.860+/-0.968 χ^2/NDF:1482.6/57

All: -6.399+/-0.698 χ^2/NDF: 2827.8/112



Right In: -406.056+/-1.523 χ^2/NDF: 4940.4/31

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -406.305+/-1.359 χ^2/NDF: 10724.8/33

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

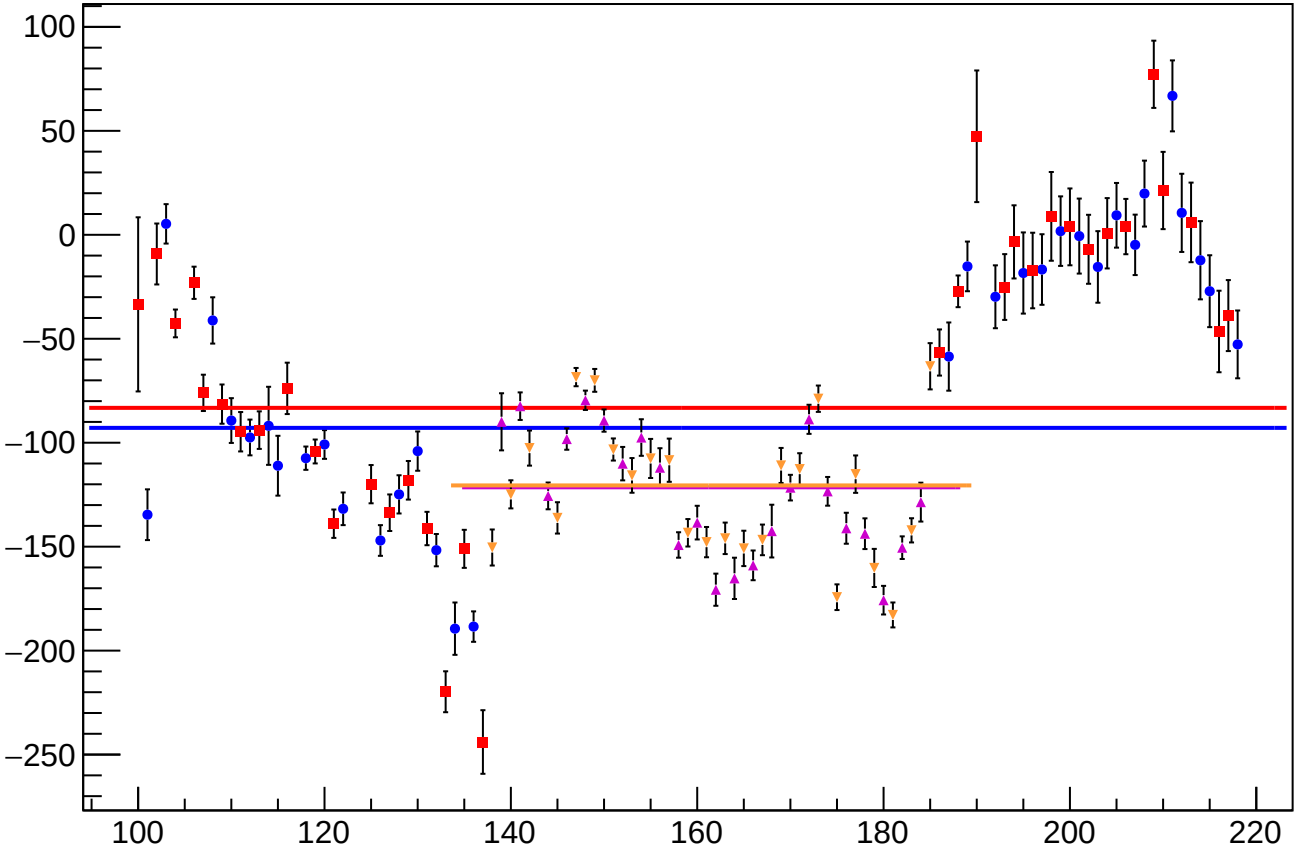
Right: -406.195+/-1.014 χ^2/NDF: 15665.2/65

In: -396.868+/-1.127 χ^2/NDF:7382.2/54

Out: -395.878+/-1.054 χ^2/NDF:13491.1/57

All: -396.340+/-0.770 χ^2/NDF: 20873.6/112

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: -83.235+/-1.830 χ^2/NDF: 1097.0/33

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

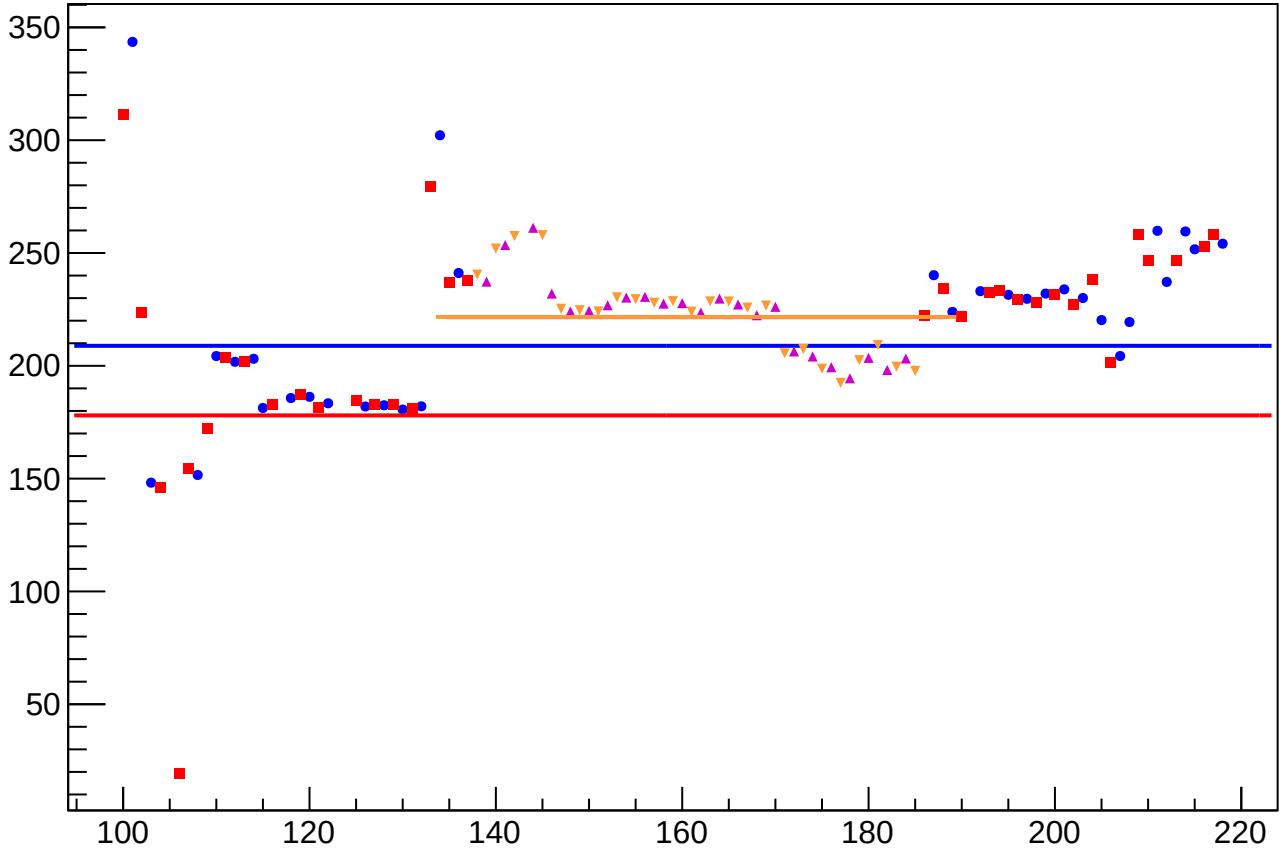
Right: -87.786+/-1.328 χ^2/NDF: 2103.3/65

In: -111.153+/-1.160 χ^2/NDF:1566.0/54

Out: -106.330+/-1.129 χ^2/NDF:1965.9/57

All: -108.678+/-0.809 χ^2/NDF: 3540.8/112

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: 178.025+/-0.090 χ^2/NDF: 685702.1/33

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

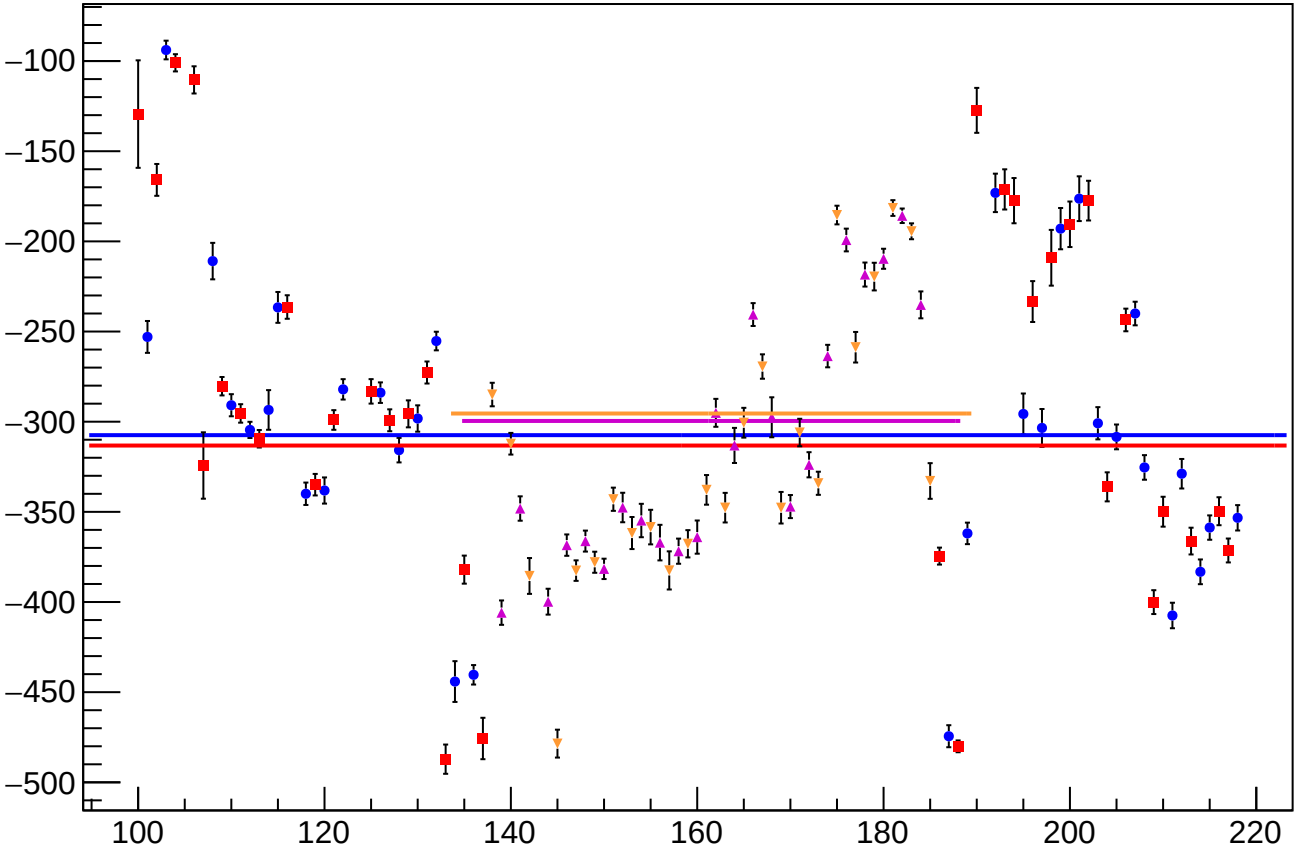
Right: 192.044+/-0.066 χ^2/NDF: 953991.1/65

In: 217.605+/-0.055 χ^2/NDF:288229.6/54

Out: 206.131+/-0.054 χ^2/NDF:905216.4/57

All: 211.721+/-0.038 χ^2/NDF: 1215834.8/112

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -313.225+/-1.165 χ^2/NDF: 8113.1/33

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

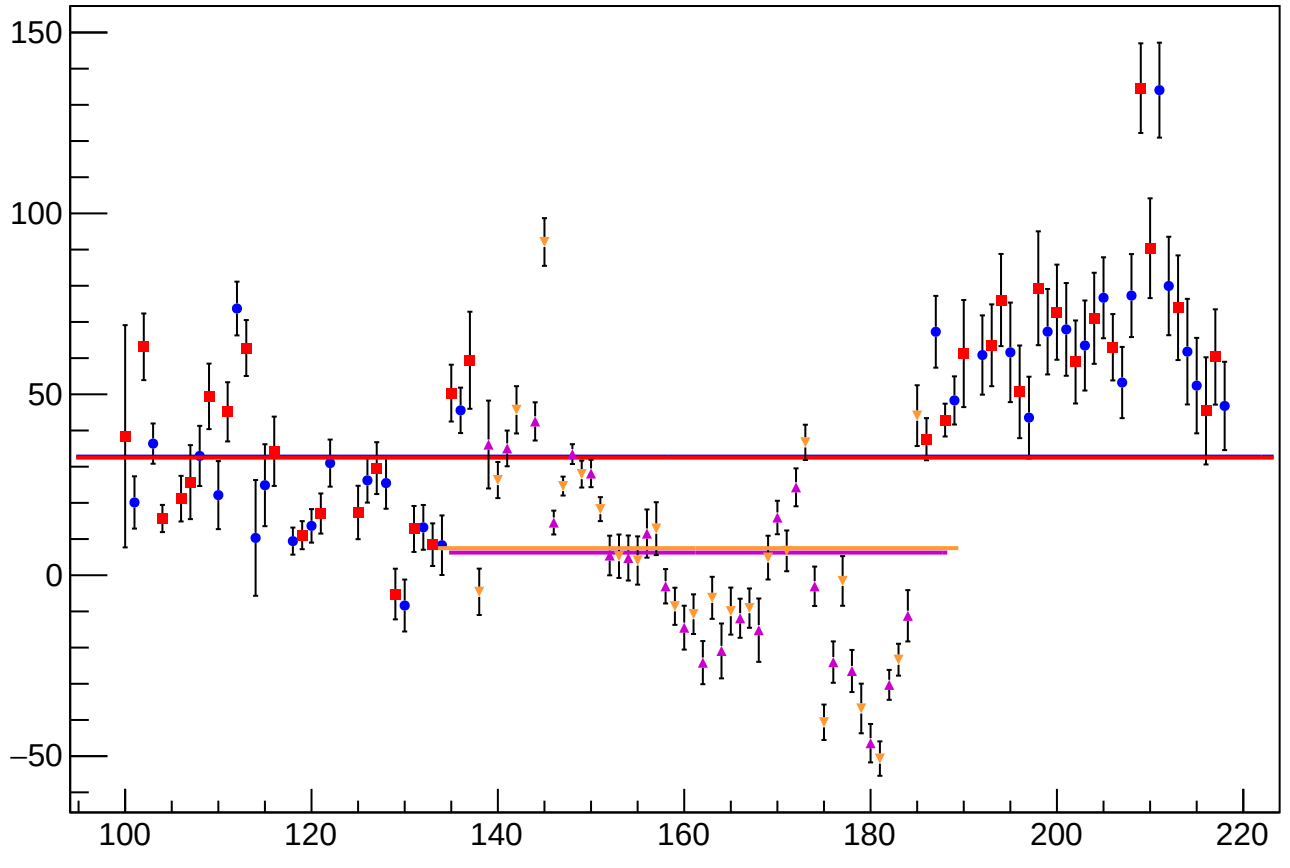
Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

Right: -310.510+/-0.847 χ^2/NDF: 12720.5/65

In: -304.011+/-0.925 χ^2/NDF:7585.4/54

Out: -305.913+/-0.894 χ^2/NDF:11555.1/57

All: -304.995+/-0.643 χ^2/NDF: 19142.7/112



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: 32.500+/-1.323 χ^2/NDF: 337.3/33

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

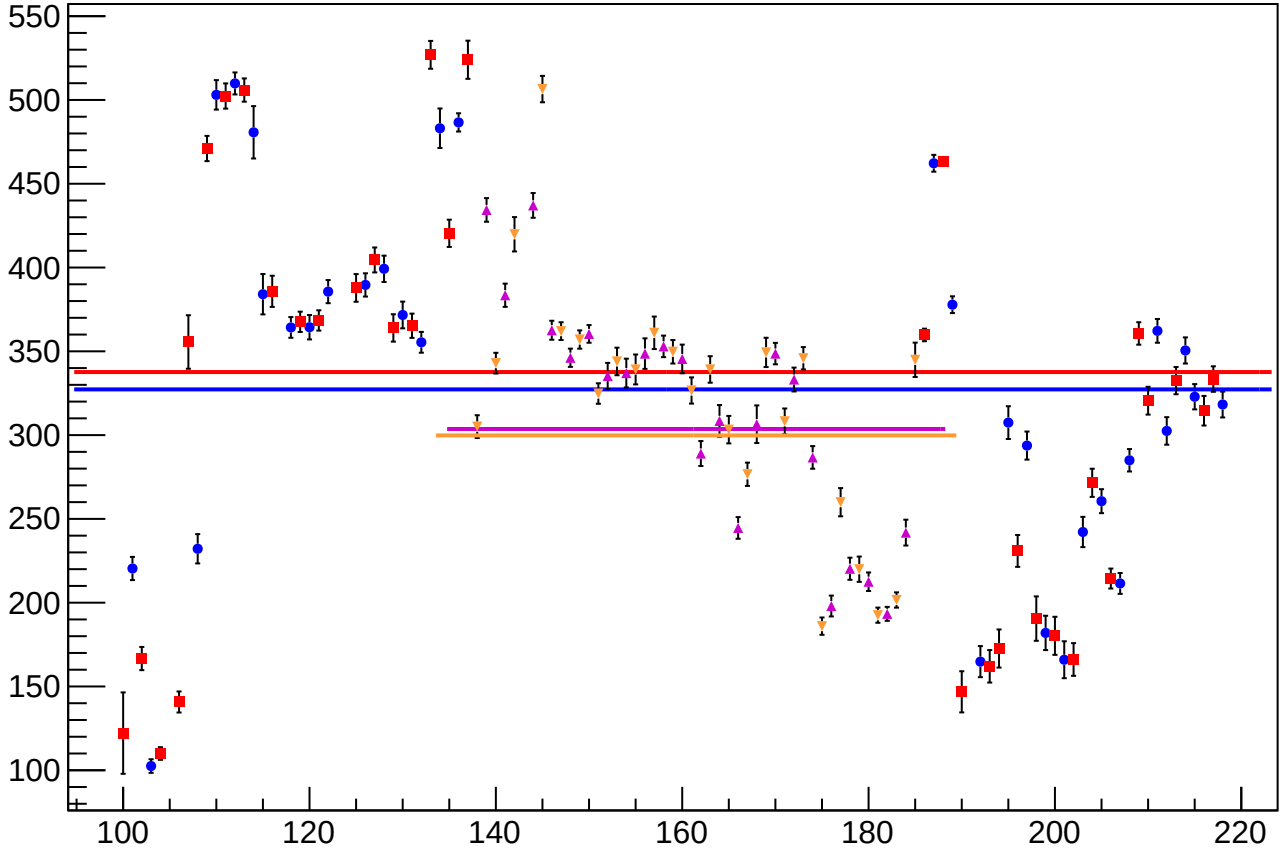
Right: 32.634+/-0.962 χ^2/NDF: 654.5/65

In: 15.733+/-0.838 χ^2/NDF:1106.7/54

Out: 16.919+/-0.813 χ^2/NDF:1298.4/57

All: 16.344+/-0.583 χ^2/NDF: 2406.1/112

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: 337.632+/-1.156 χ^2/NDF: 12164.6/33

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

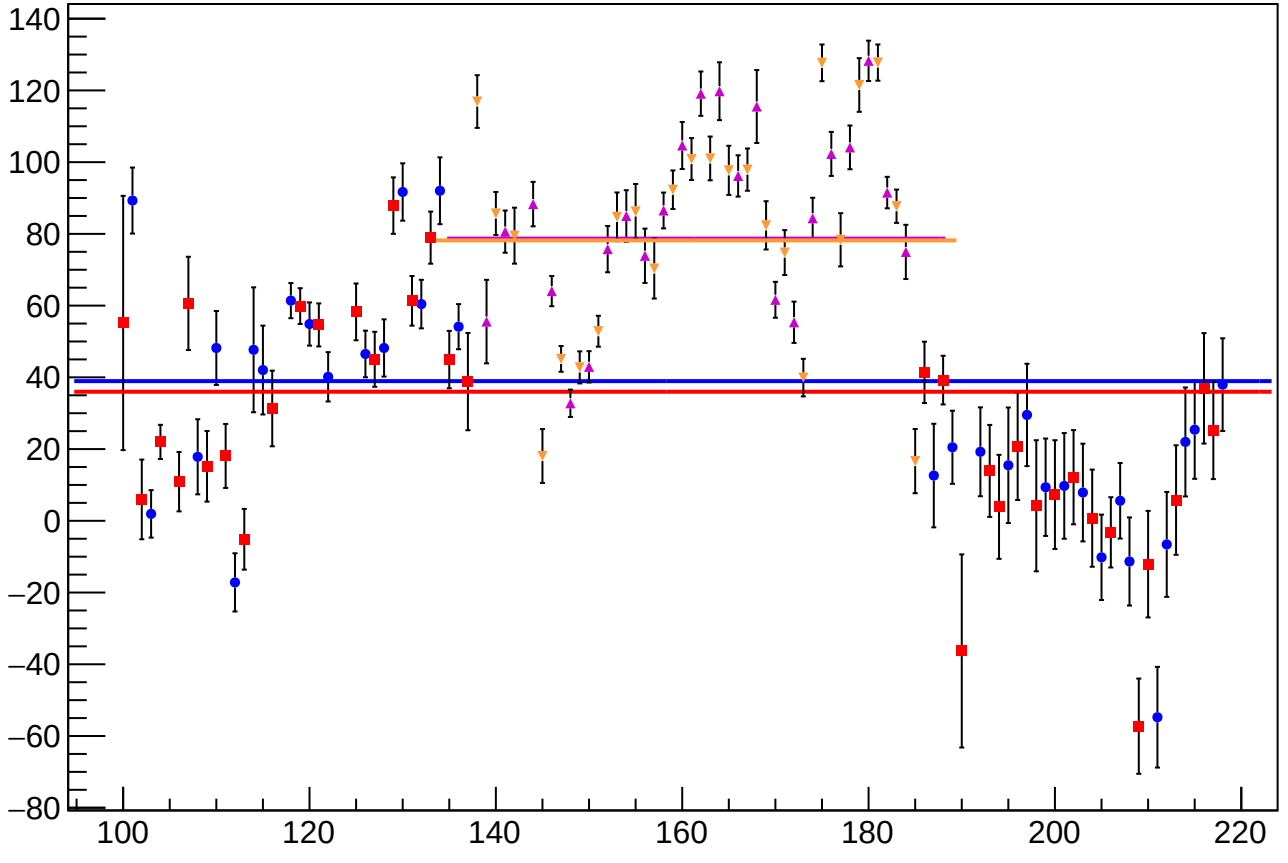
Right: 332.912+/-0.853 χ^2/NDF: 20460.3/65

In: 316.526+/-0.933 χ^2/NDF:11290.9/54

Out: 322.049+/-0.887 χ^2/NDF:15681.2/57

All: 319.427+/-0.643 χ^2/NDF: 26990.6/112

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: 35.990+/-1.576 χ^2/NDF: 310.1/33

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

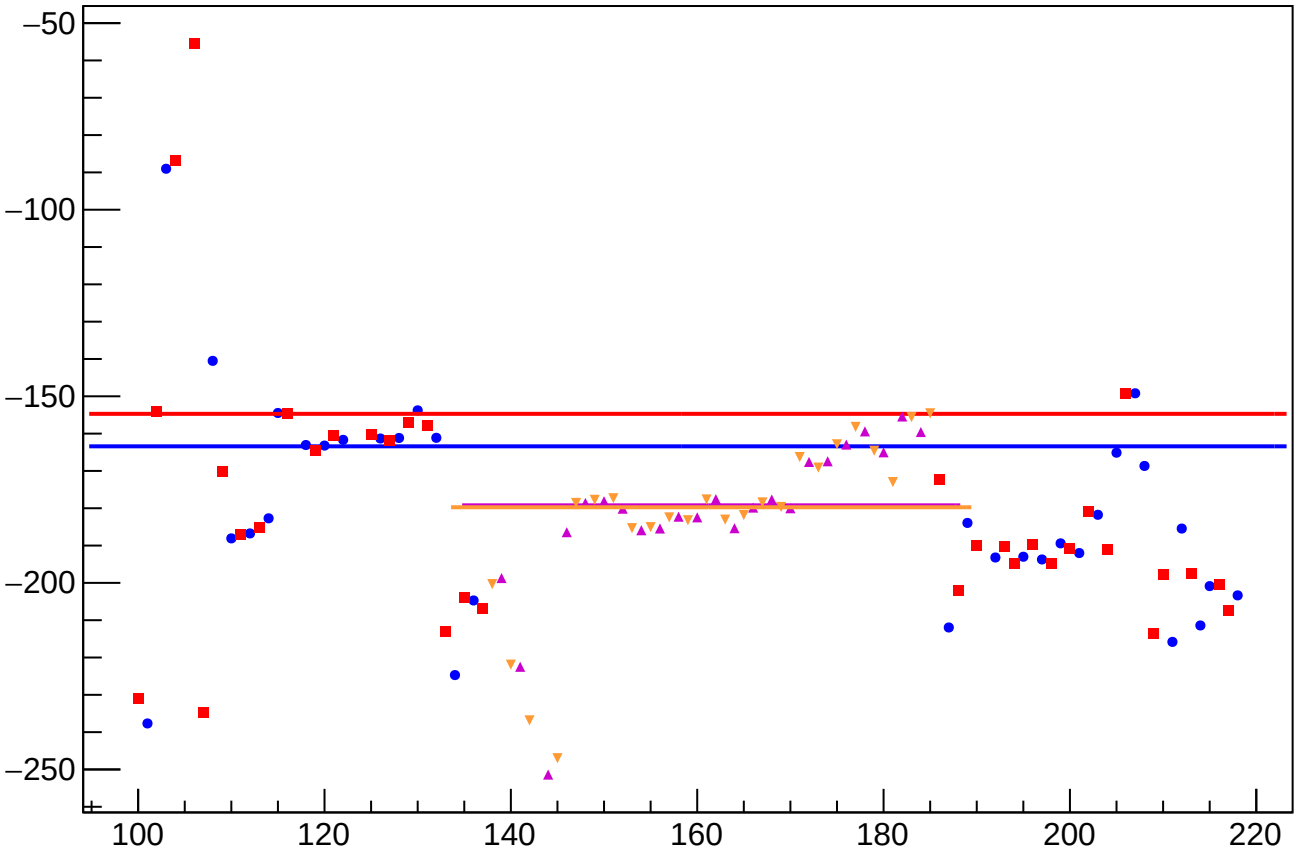
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 37.417+/-1.134 χ^2/NDF: 674.5/65

In: 64.820+/-0.964 χ^2/NDF:1237.3/54

Out: 62.951+/-0.947 χ^2/NDF:1431.4/57

All: 63.869+/-0.676 χ^2/NDF: 2670.6/112



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: -154.701+/-0.077 χ^2/NDF: 442756.9/33

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

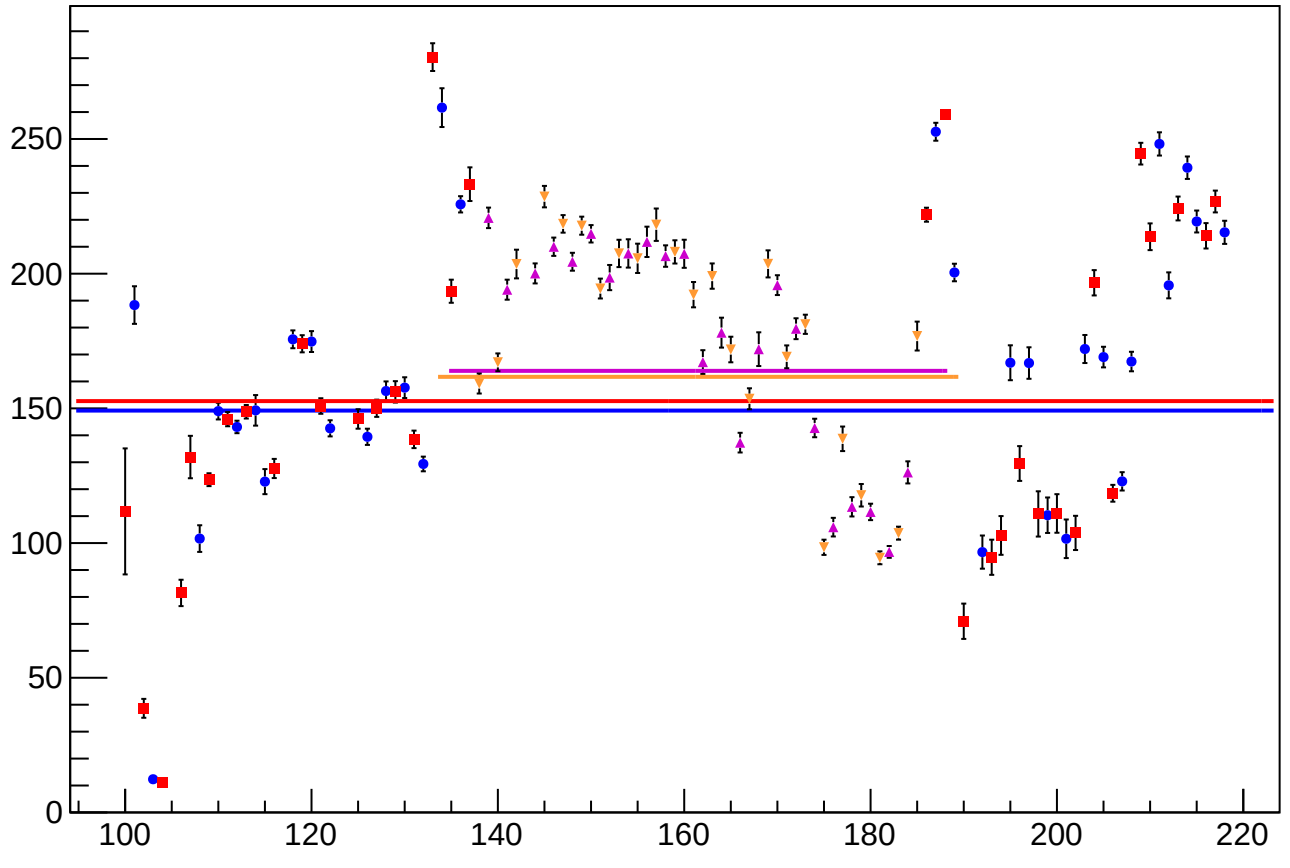
Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

Right: -158.918+/-0.055 χ^2/NDF: 771262.5/65

In: -174.131+/-0.045 χ^2/NDF:462861.8/54

Out: -171.238+/-0.045 χ^2/NDF:645313.8/57

All: -172.678+/-0.032 χ^2/NDF: 1110261.3/11



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: 152.702+/-0.609 χ^2/NDF: 14873.6/33

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

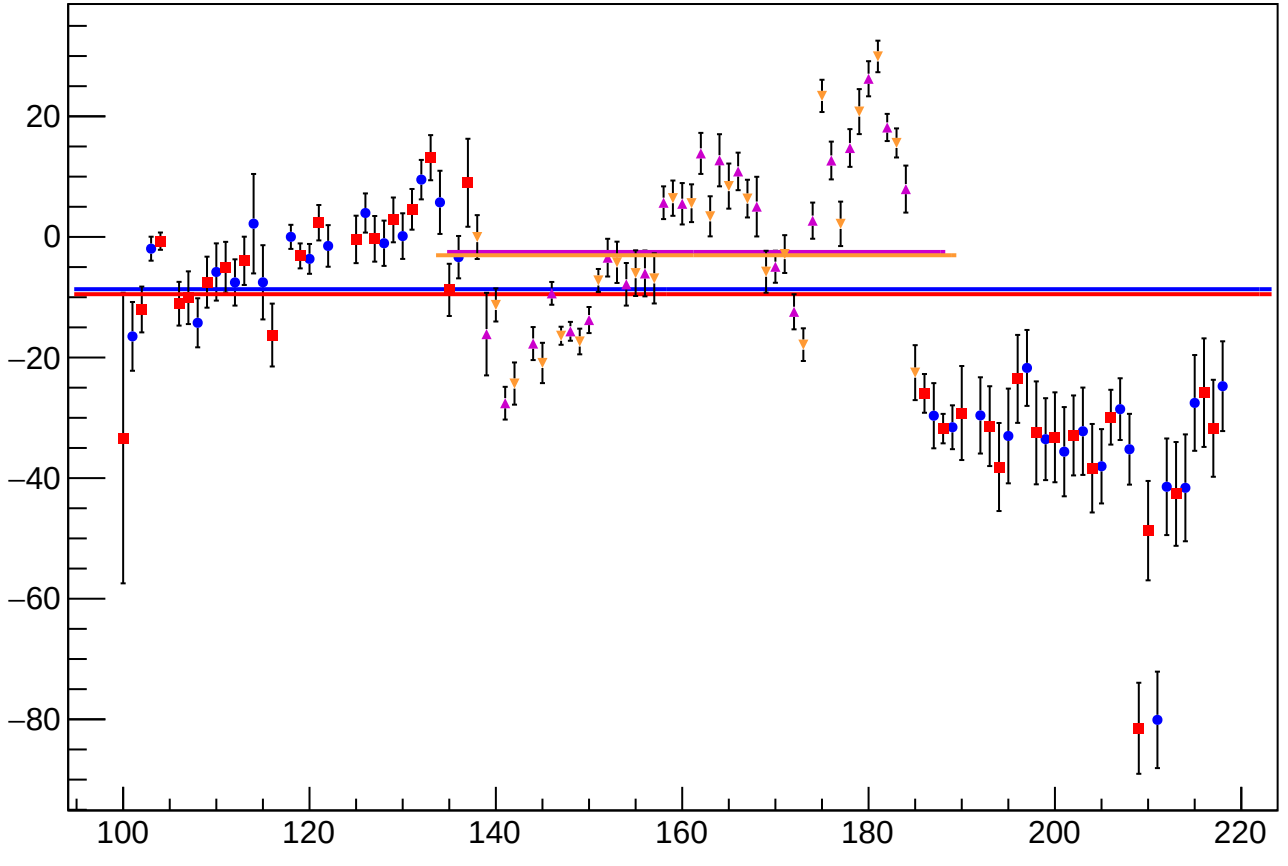
Right: 151.057+/-0.445 χ^2/NDF: 24933.5/65

In: 155.236+/-0.499 χ^2/NDF:13590.9/54

Out: 156.135+/-0.479 χ^2/NDF:18544.2/57

All: 155.704+/-0.346 χ^2/NDF: 32136.8/112

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: -9.497+/-0.671 χ^2/NDF: 503.5/33

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

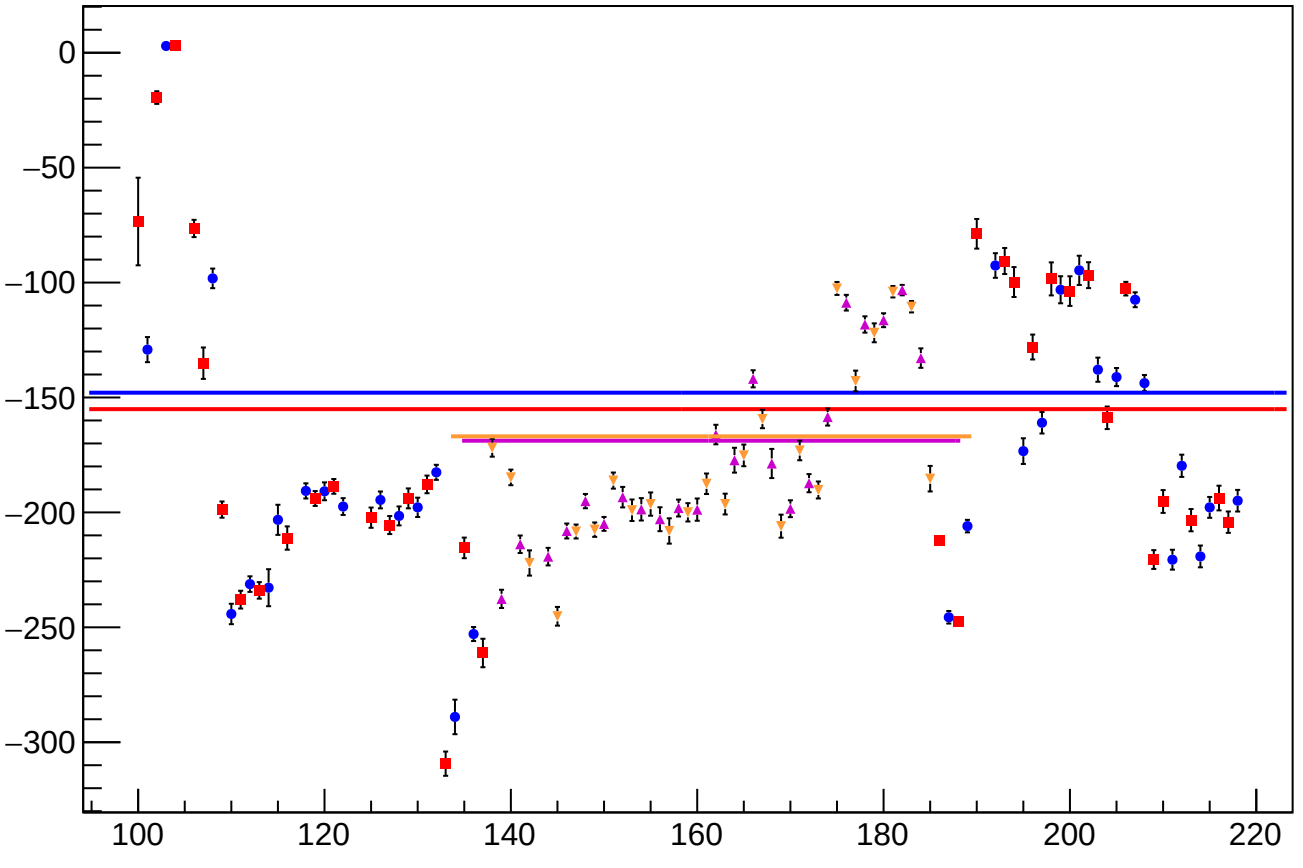
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -9.120+/-0.496 χ^2/NDF: 909.9/65

In: -4.894+/-0.459 χ^2/NDF:1011.7/54

Out: -5.791+/-0.438 χ^2/NDF:1211.1/57

All: -5.363+/-0.317 χ^2/NDF: 2224.8/112



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: -155.072+/-0.596 χ^2/NDF: 24657.9/33

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

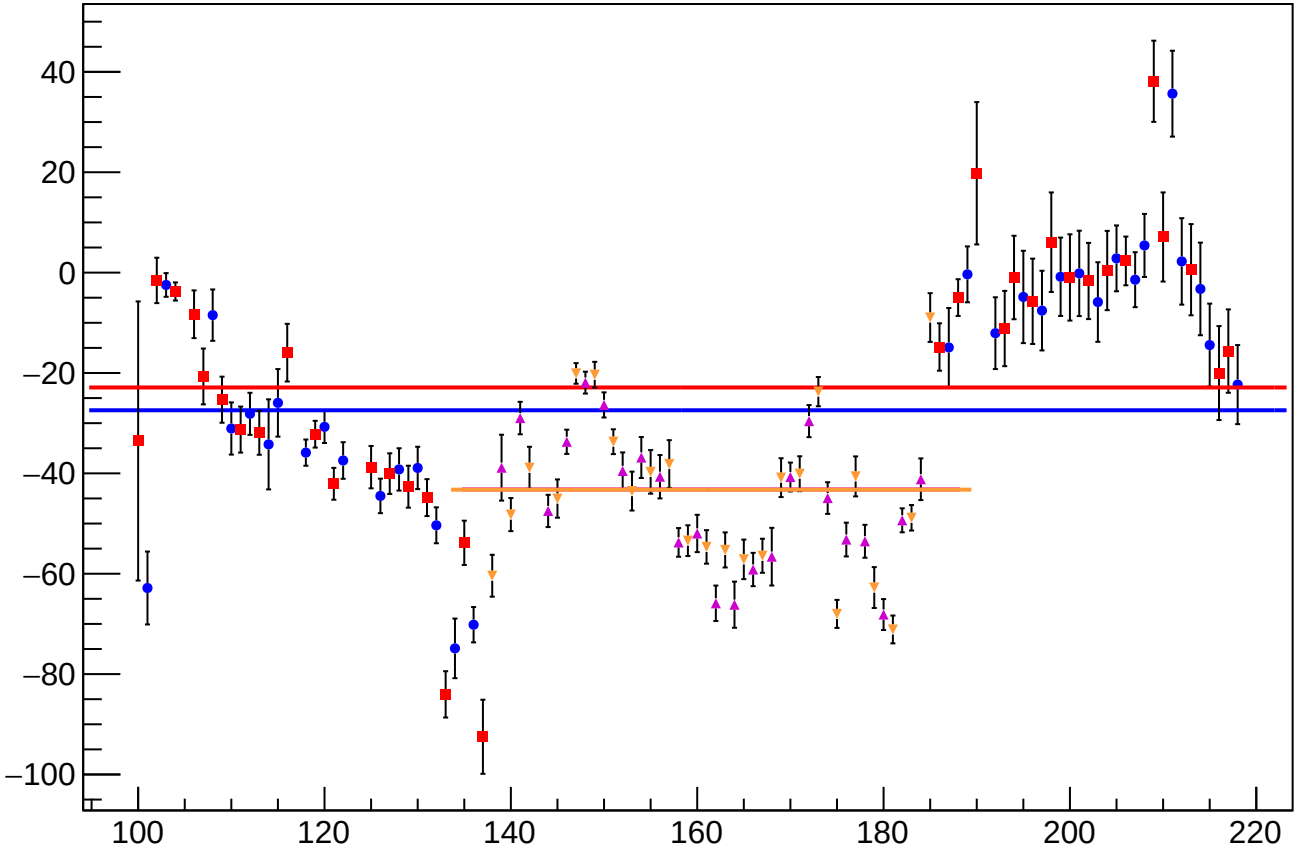
Right: -151.823+/-0.440 χ^2/NDF: 42815.7/65

In: -156.634+/-0.499 χ^2/NDF:21578.3/54

Out: -159.504+/-0.472 χ^2/NDF:27901.7/57

All: -158.150+/-0.343 χ^2/NDF: 49497.5/112

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -22.886+/-0.803 χ^2/NDF: 789.9/33

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

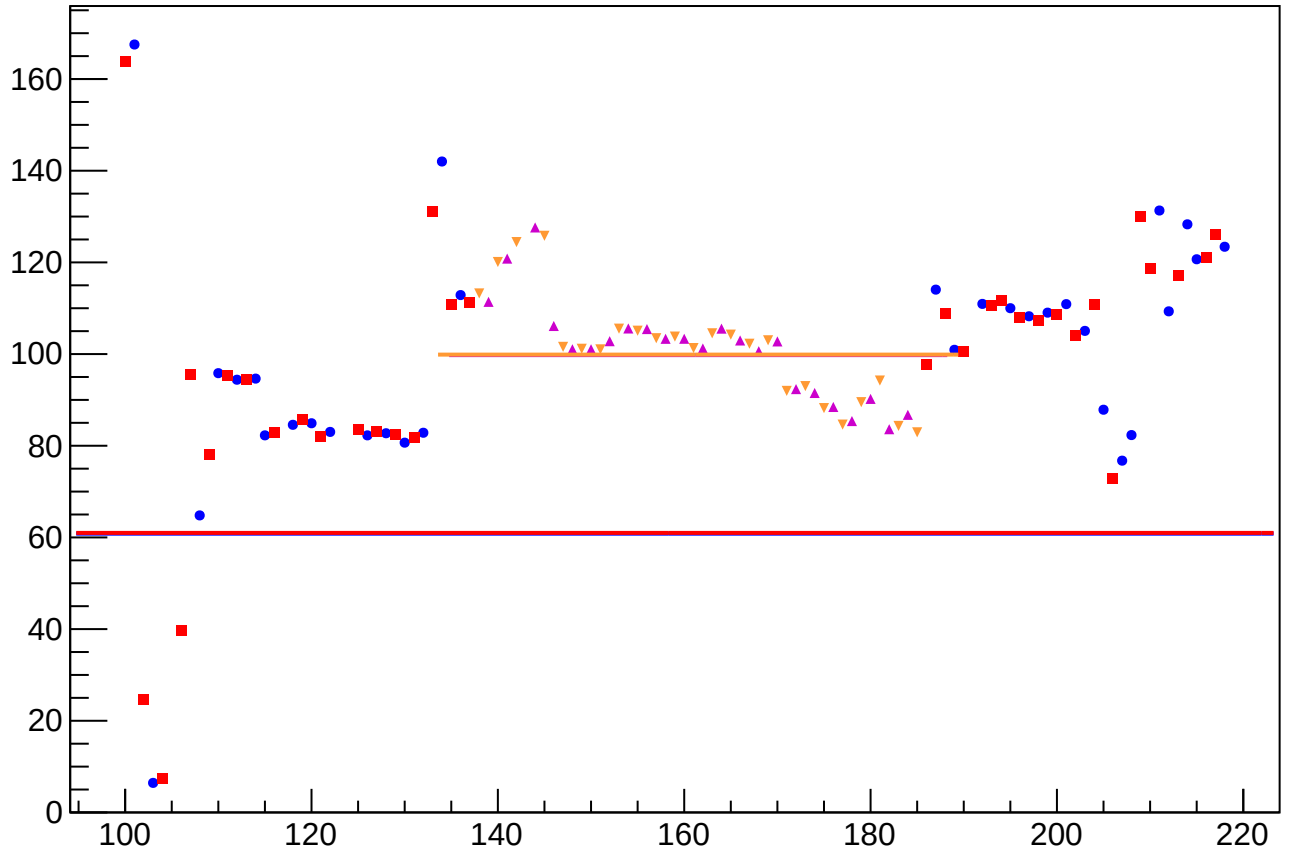
Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

Right: -25.009+/-0.586 χ^2/NDF: 1486.1/65

In: -37.224+/-0.528 χ^2/NDF:1297.4/54

Out: -34.977+/-0.512 χ^2/NDF:1782.2/57

All: -36.065+/-0.367 χ^2/NDF: 3088.9/112



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: 60.986+/-0.038 χ^2/NDF: 1392023.6/33

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

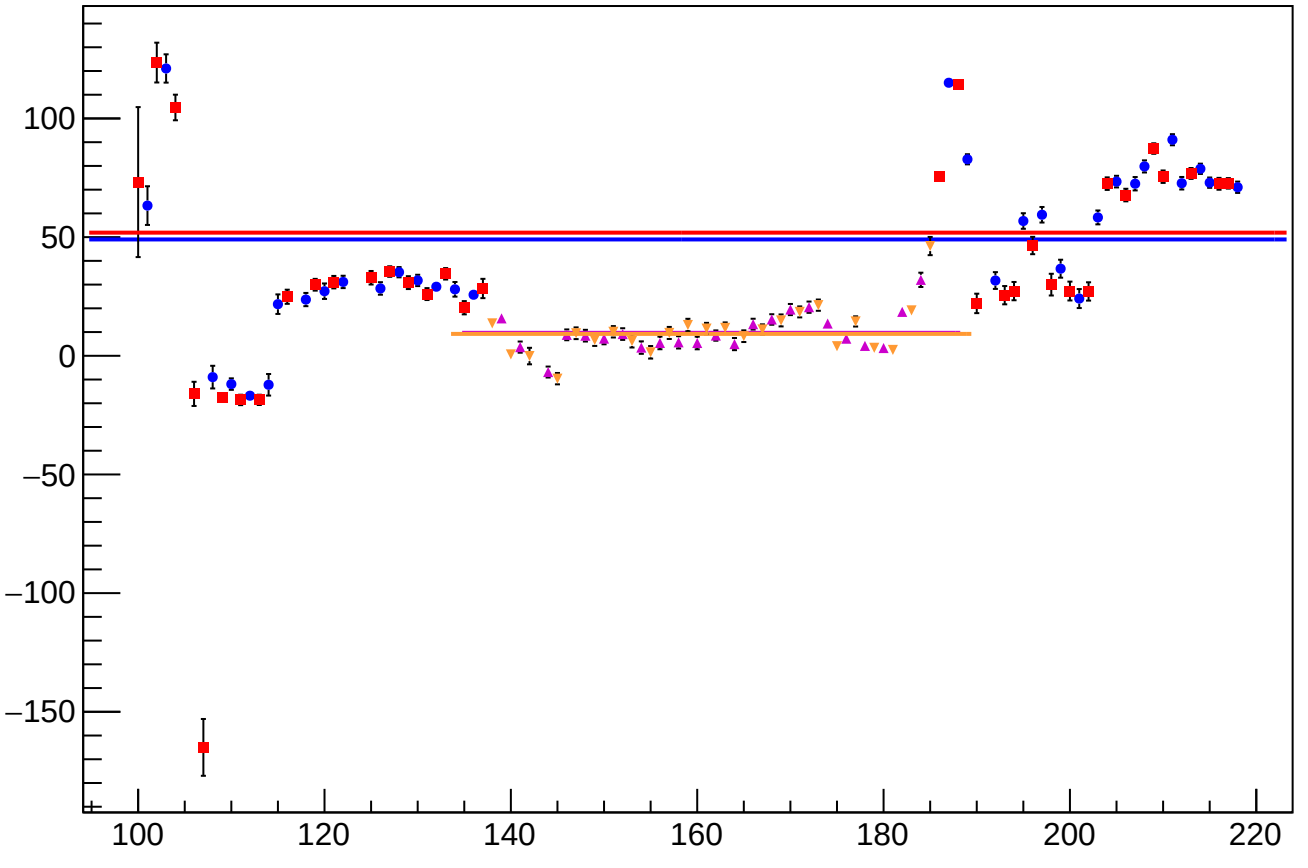
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 60.905+/-0.027 χ^2/NDF: 3000638.2/65

In: 84.519+/-0.024 χ^2/NDF:2358380.0/54

Out: 84.432+/-0.024 χ^2/NDF:2150372.1/57

All: 84.476+/-0.017 χ^2/NDF: 4508758.8/112



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: 51.889+/-0.443 χ^2/NDF: 8741.4/33

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

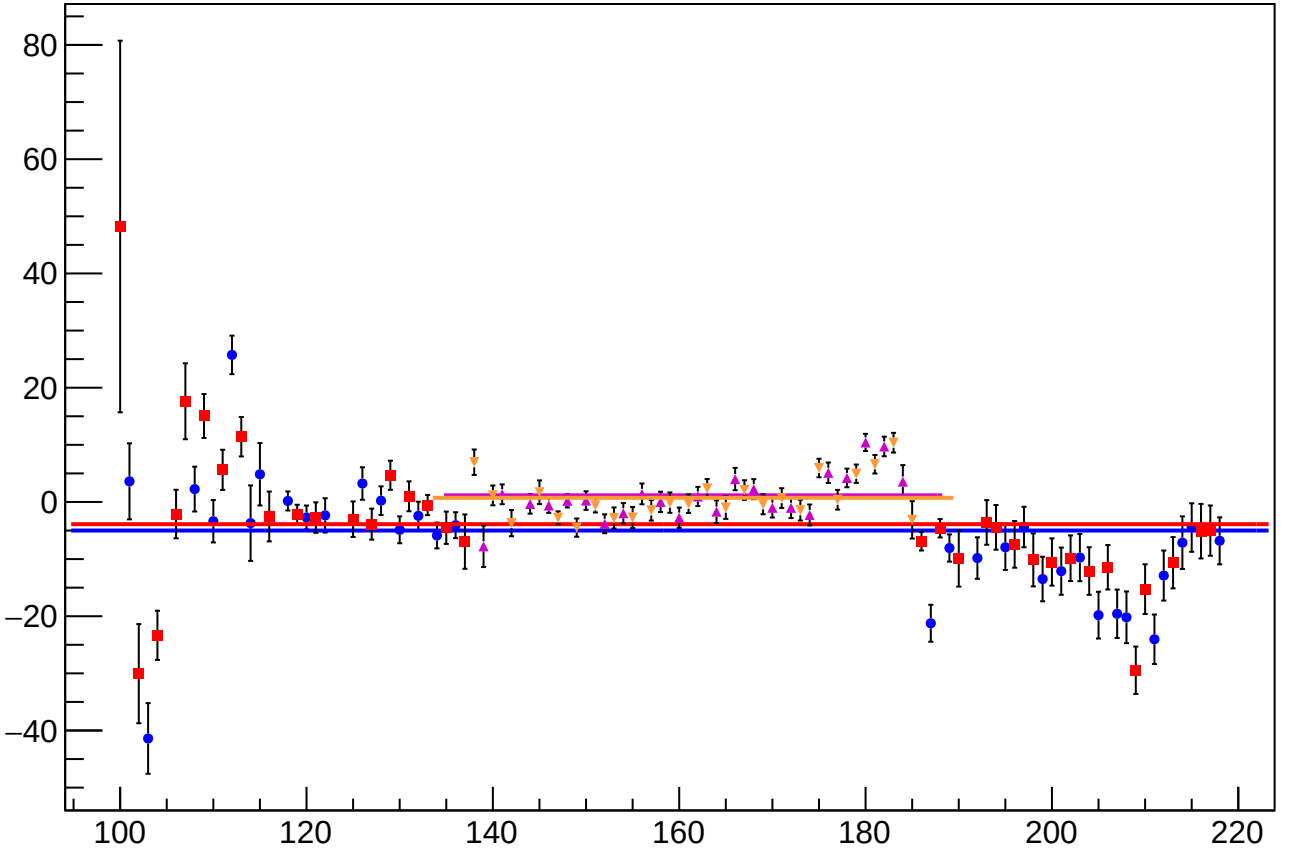
Right: 50.548+/-0.323 χ^2/NDF: 14146.3/65

In: 28.924+/-0.330 χ^2/NDF:9174.7/54

Out: 31.195+/-0.318 χ^2/NDF:13567.2/57

All: 30.103+/-0.229 χ^2/NDF: 22766.4/112

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -3.889+/-0.534 χ^2/NDF: 181.7/33

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

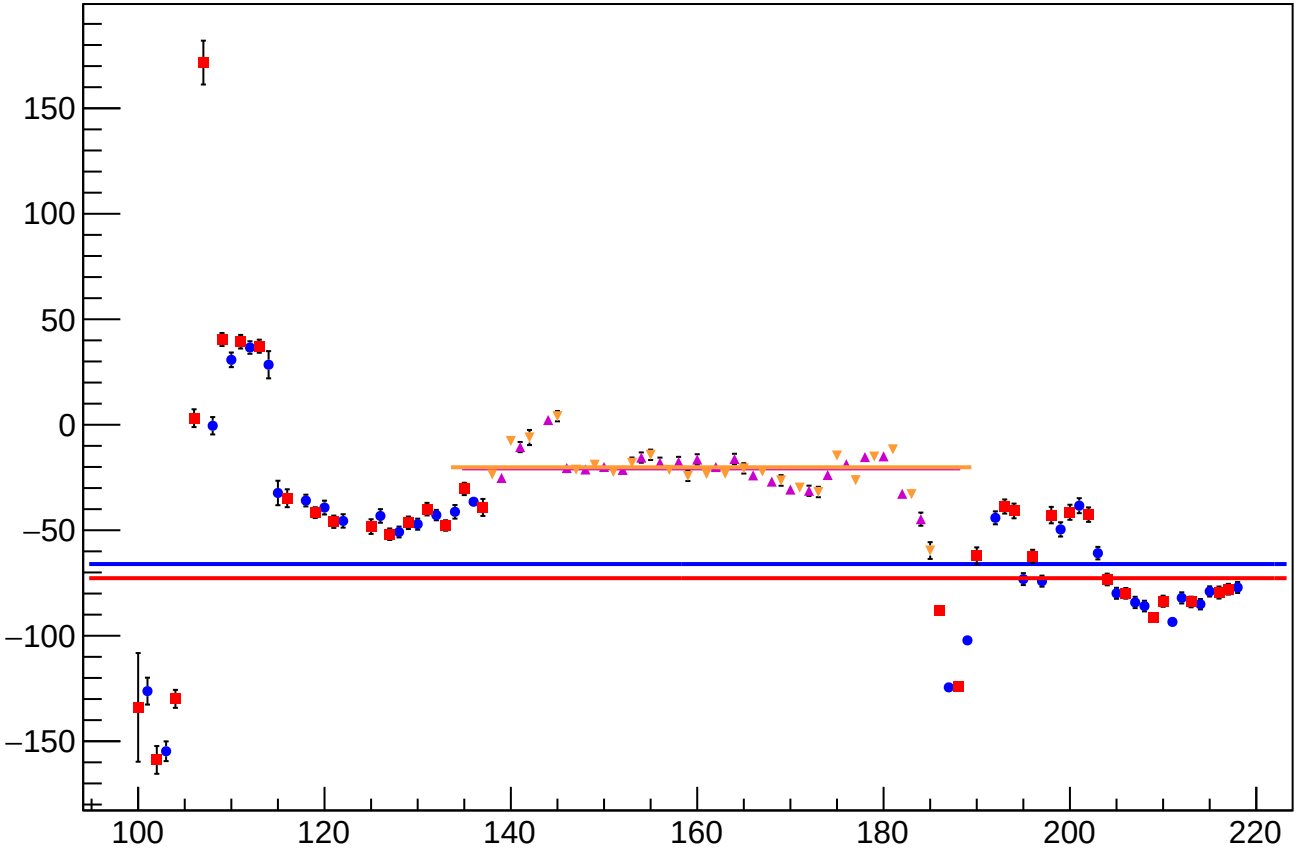
Right: -4.415+/-0.387 χ^2/NDF: 433.2/65

In: -0.611+/-0.302 χ^2/NDF:445.1/54

Out: -0.655+/-0.292 χ^2/NDF:343.8/57

All: -0.634+/-0.210 χ^2/NDF: 788.9/112

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: -72.716+/-0.437 χ^2/NDF: 9792.2/33

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

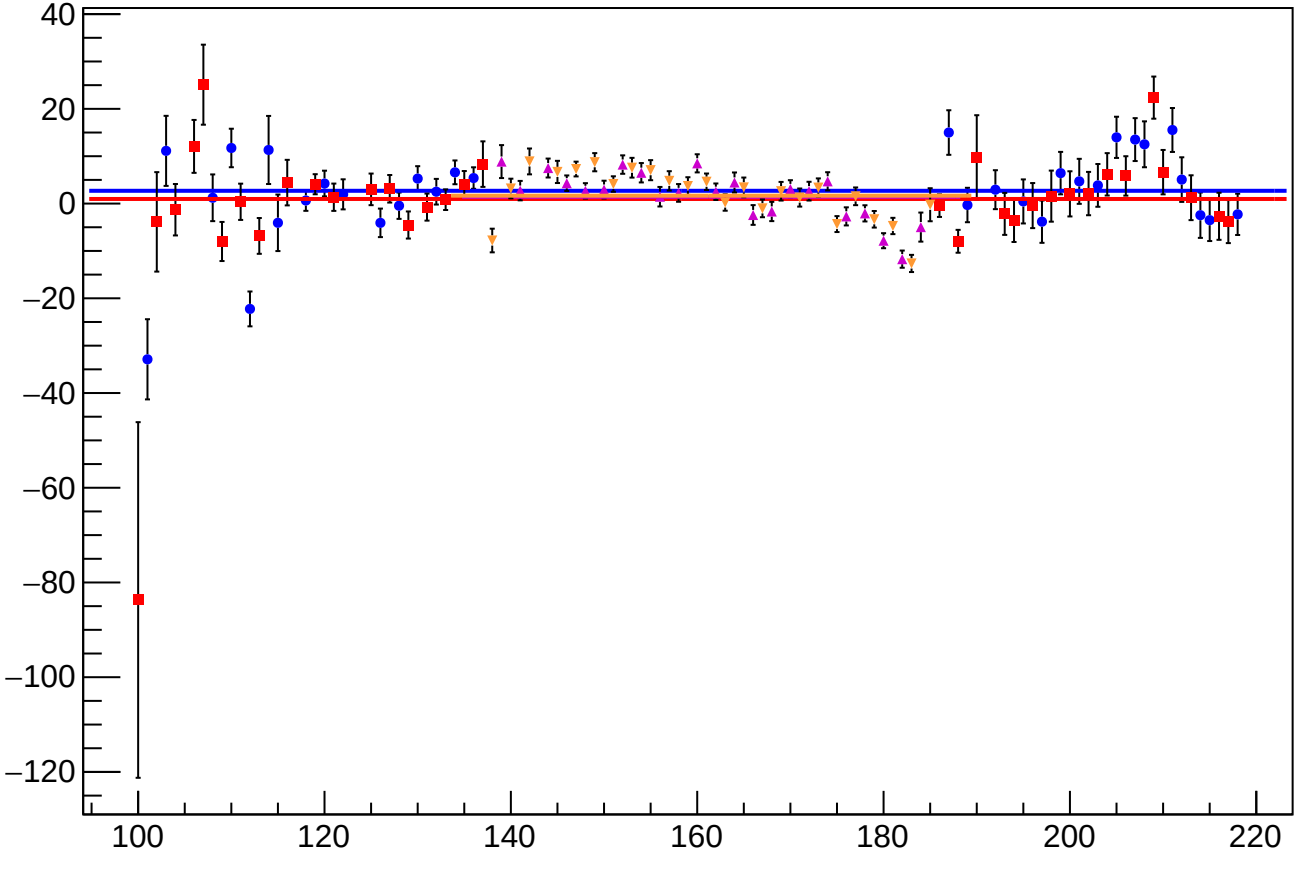
Right: -69.731+/-0.325 χ^2/NDF: 15819.0/65

In: -41.937+/-0.334 χ^2/NDF:10833.7/54

Out: -47.347+/-0.314 χ^2/NDF:17196.4/57

All: -44.802+/-0.229 χ^2/NDF: 28169.5/112

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: 0.972+/-0.636 χ^2/NDF: 83.5/33

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

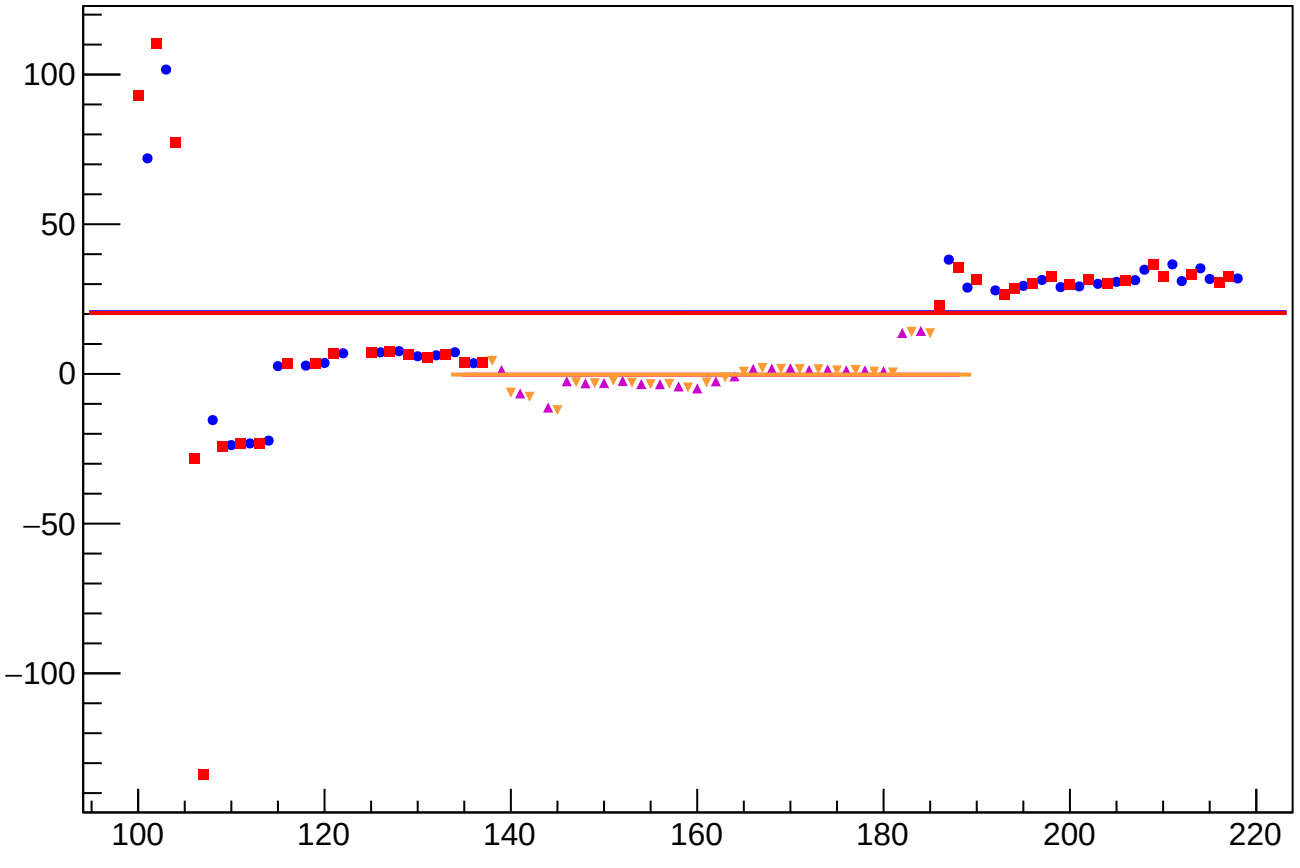
Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

Right: 1.819+/-0.454 χ^2/NDF: 211.8/65

In: 1.781+/-0.342 χ^2/NDF:290.3/54

Out: 1.477+/-0.336 χ^2/NDF:262.3/57

All: 1.626+/-0.239 χ^2/NDF: 553.0/112



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: 20.357+/-0.033 χ^2/NDF: 605901.6/33

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

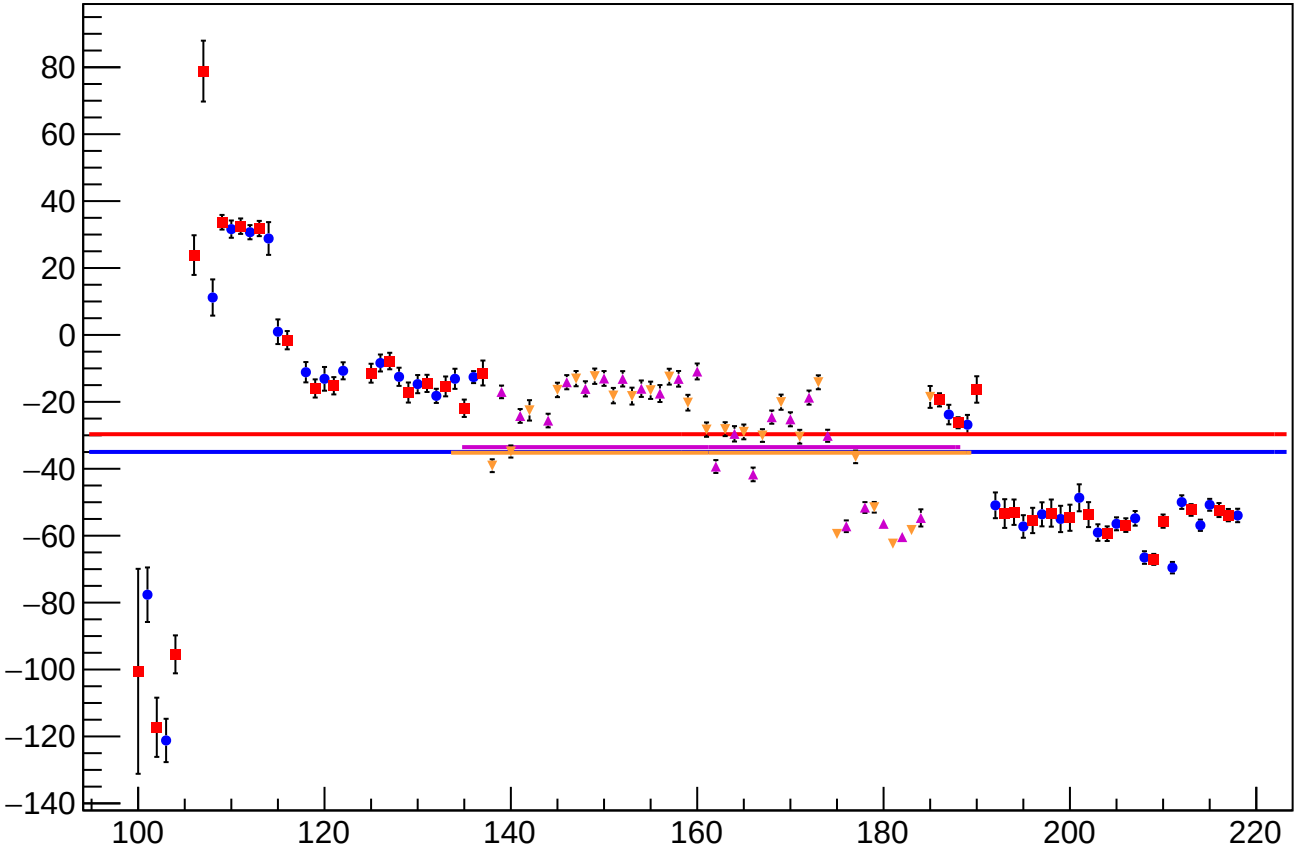
Right: 20.489+/-0.023 χ^2/NDF: 1042967.4/65

In: 4.559+/-0.016 χ^2/NDF:830417.8/54

Out: 4.451+/-0.016 χ^2/NDF:996634.4/57

All: 4.505+/-0.011 χ^2/NDF: 1827076.2/112

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: -29.670+/-0.448 χ^2/NDF: 4926.5/33

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

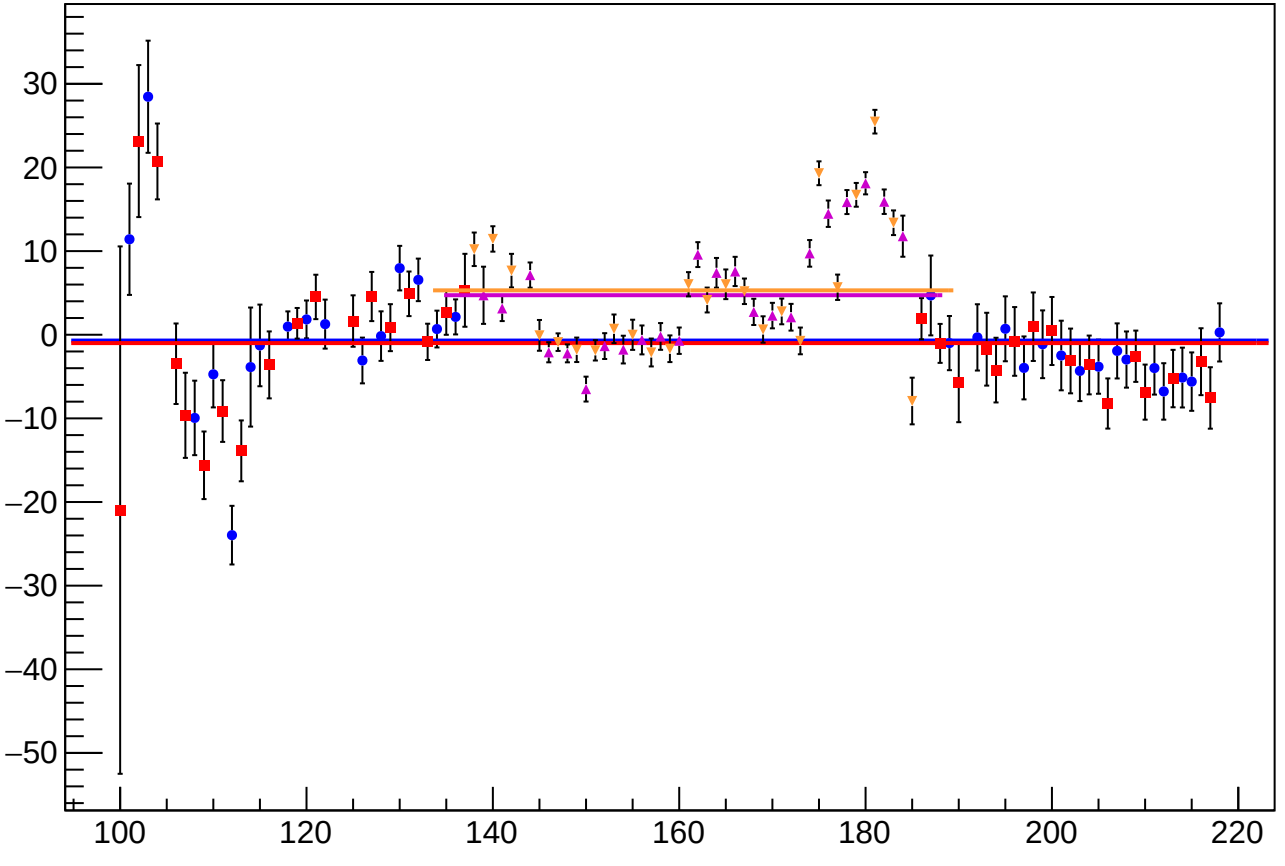
Right: -32.320+/-0.317 χ^2/NDF: 9388.0/65

In: -34.190+/-0.304 χ^2/NDF:6203.2/54

Out: -32.692+/-0.302 χ^2/NDF:6860.6/57

All: -33.436+/-0.214 χ^2/NDF: 13076.0/112

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.696+/-0.565 χ^2/NDF: 108.9/31

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: -0.999+/-0.566 χ^2/NDF: 102.7/33

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

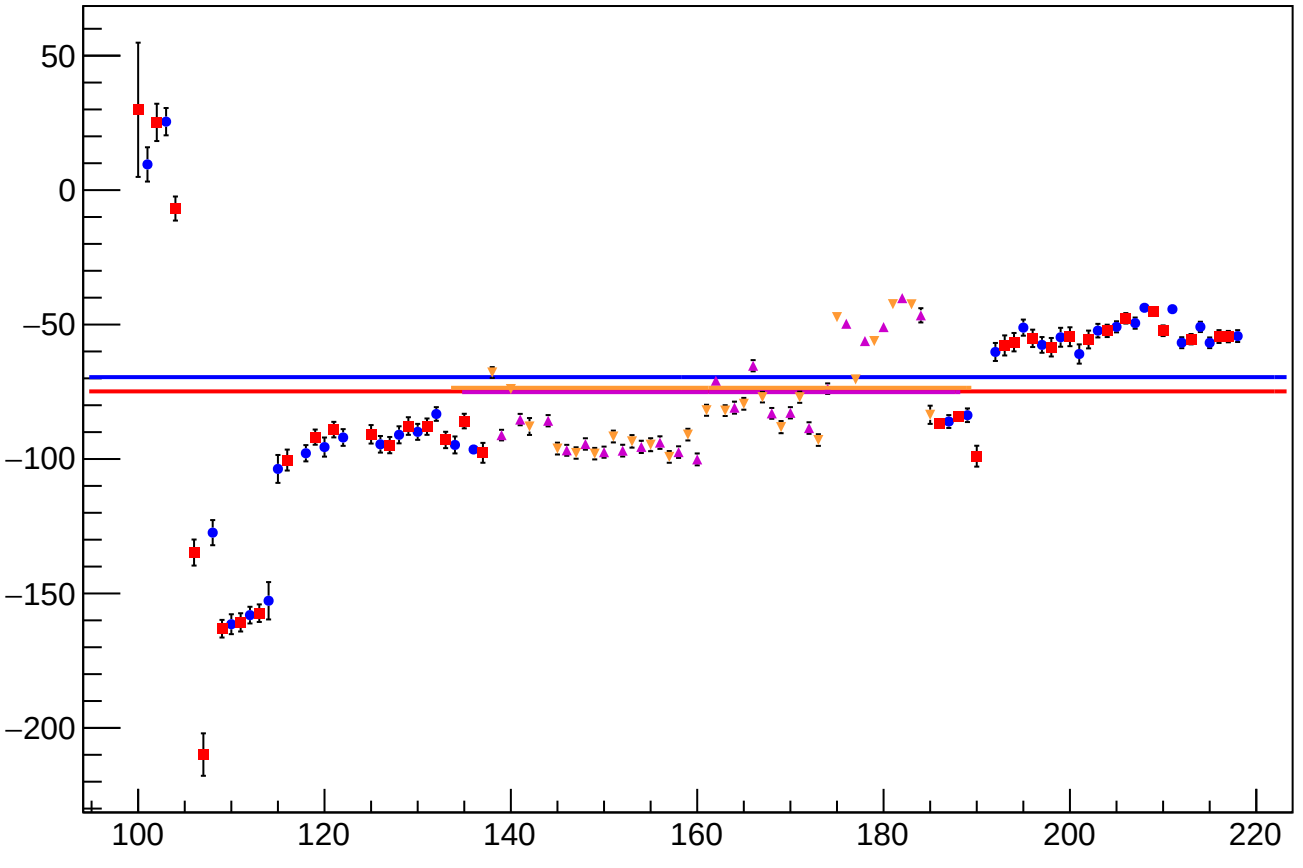
Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

Right: -0.847+/-0.400 χ^2/NDF: 211.7/65

In: 3.402+/-0.279 χ^2/NDF:674.5/54

Out: 3.814+/-0.275 χ^2/NDF:821.9/57

All: 3.611+/-0.196 χ^2/NDF: 1497.5/112



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: -74.852+/-0.461 χ^2/NDF: 4528.5/33

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

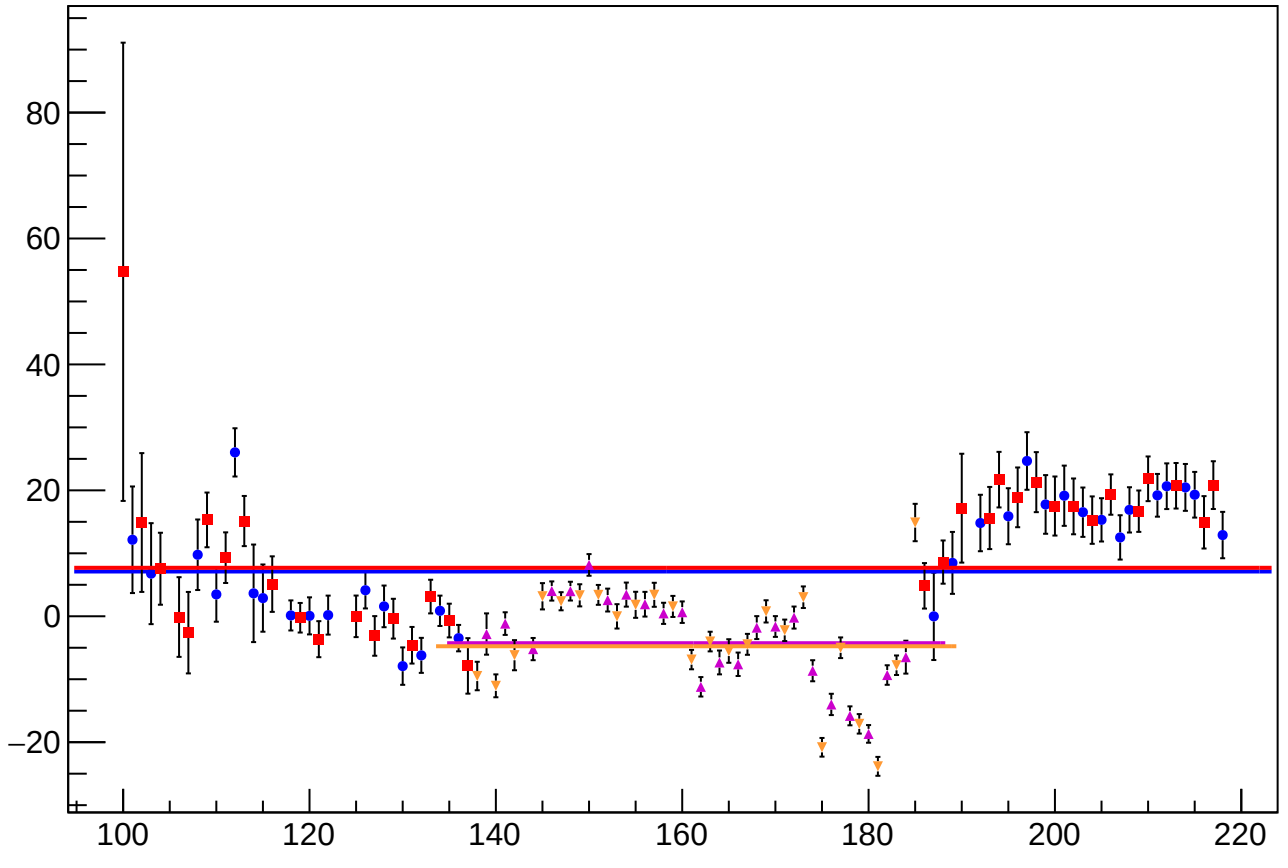
Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

Right: -72.247+/-0.329 χ^2/NDF: 8551.8/65

In: -72.715+/-0.309 χ^2/NDF:6400.5/54

Out: -74.093+/-0.304 χ^2/NDF:6925.3/57

All: -73.414+/-0.217 χ^2/NDF: 13335.9/112



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: 7.699+/-0.651 χ^2/NDF: 213.2/33

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

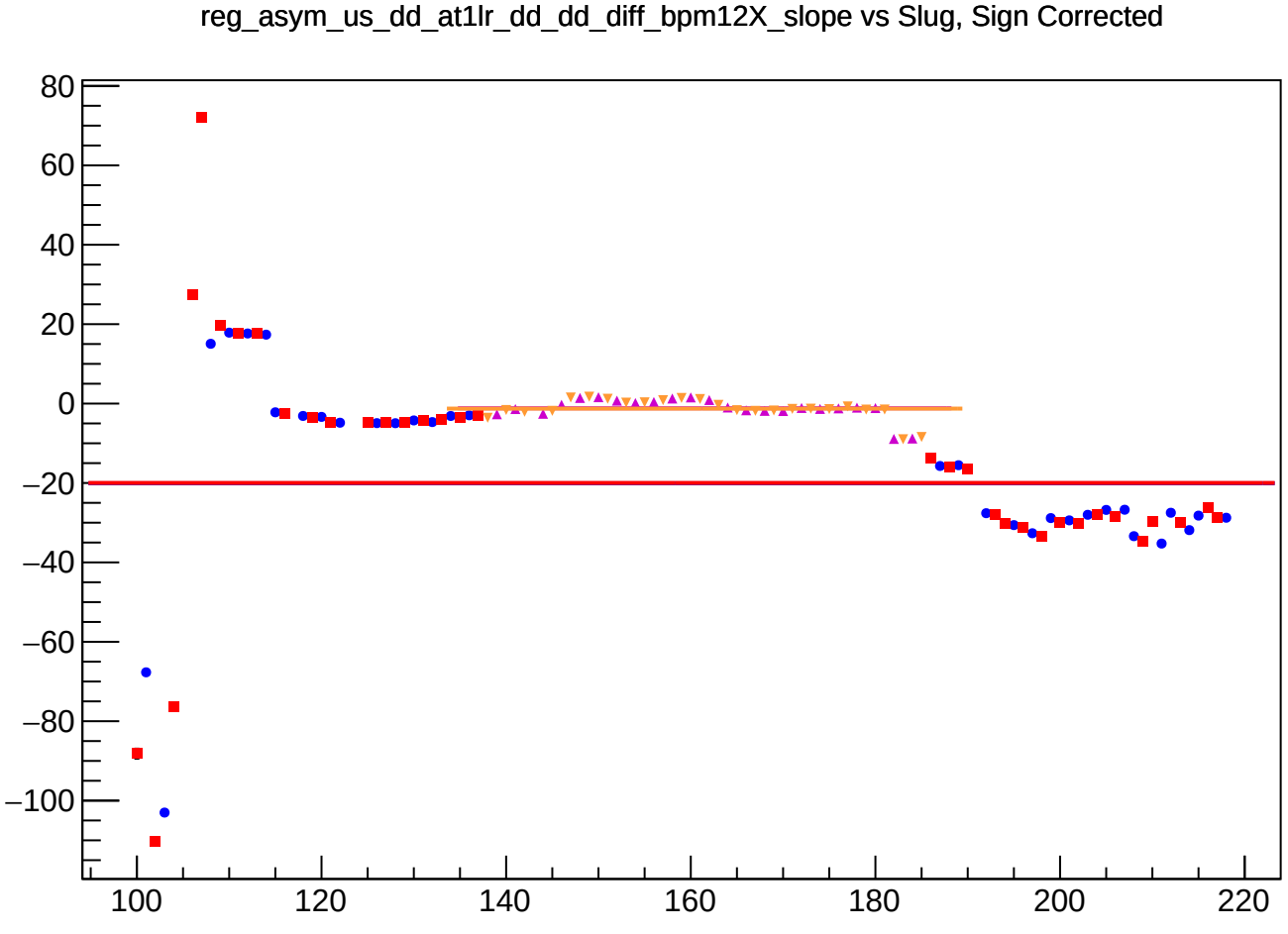
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 7.398+/-0.455 χ^2/NDF: 452.8/65

In: -1.502+/-0.314 χ^2/NDF:906.0/54

Out: -1.909+/-0.312 χ^2/NDF:1072.7/57

All: -1.707+/-0.221 χ^2/NDF: 1979.5/112



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: -19.988+/-0.032 χ^2/NDF: 483389.0/33

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

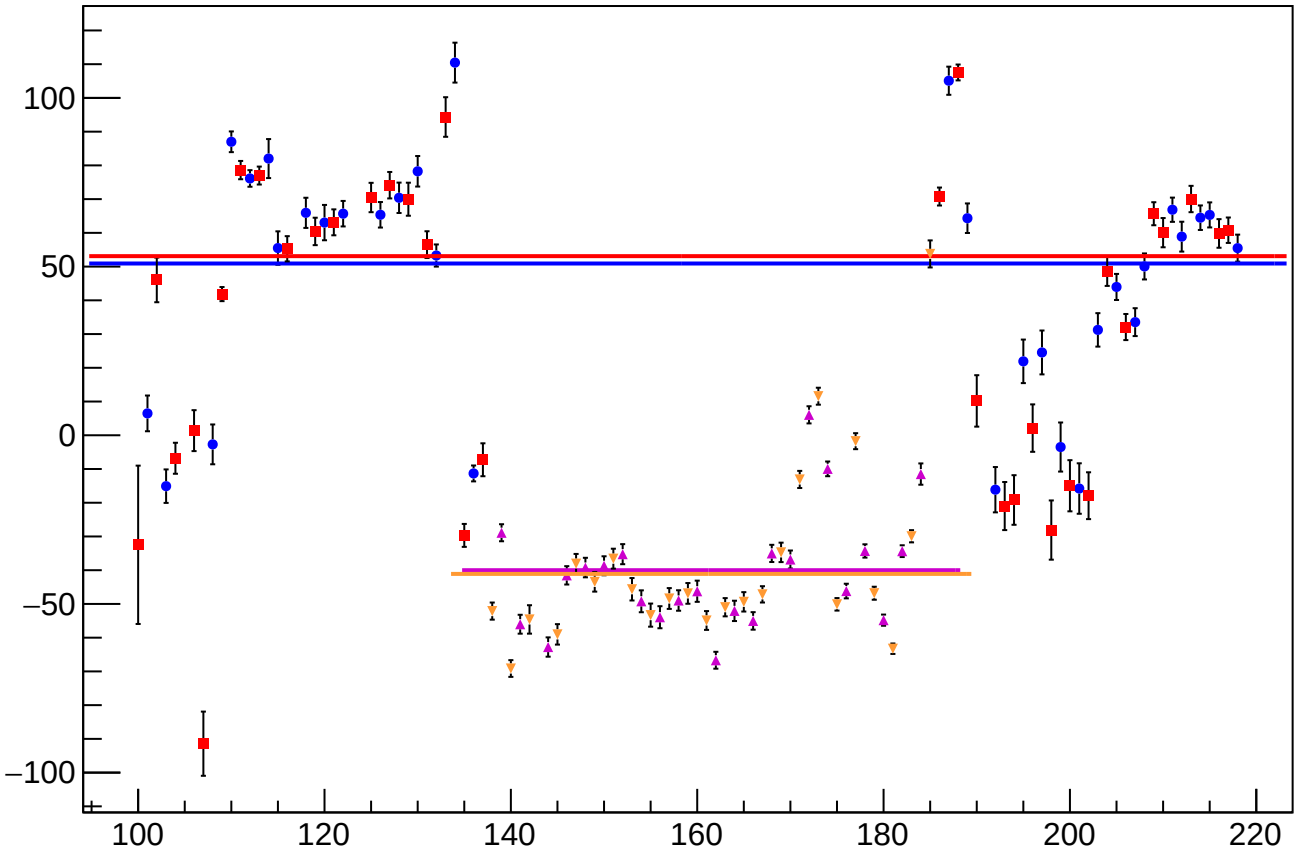
Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

Right: -20.034+/-0.022 χ^2/NDF: 881433.7/65

In: -5.175+/-0.014 χ^2/NDF:719416.7/54

Out: -4.995+/-0.014 χ^2/NDF:785760.7/57

All: -5.085+/-0.010 χ^2/NDF: 1505258.4/112



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: 53.096+/-0.691 χ^2/NDF: 2760.0/33

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

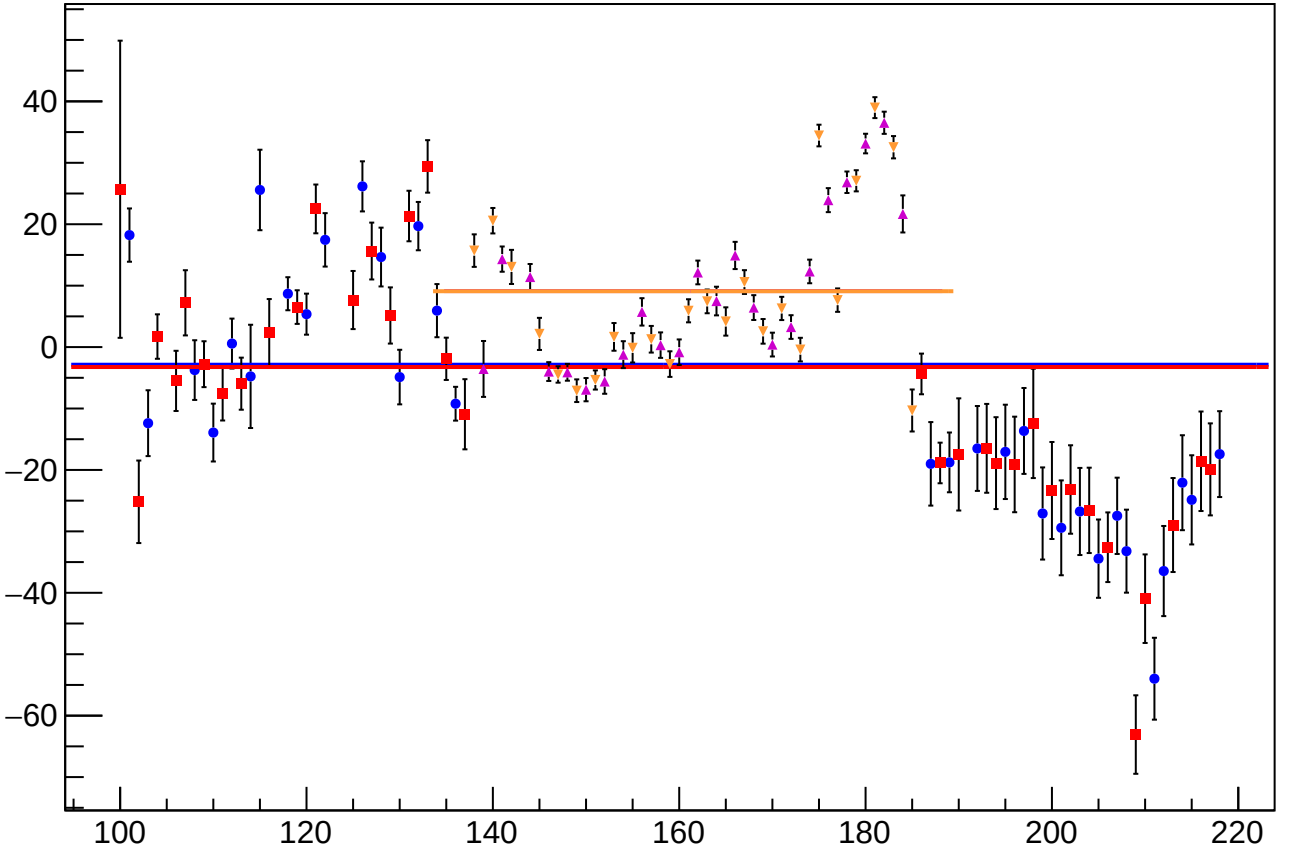
Right: 52.070+/-0.503 χ^2/NDF: 4808.1/65

In: -9.222+/-0.426 χ^2/NDF:13255.3/54

Out: -7.261+/-0.414 χ^2/NDF:16615.6/57

All: -8.213+/-0.297 χ^2/NDF: 29881.9/112

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -3.246+/-0.846 χ^2/NDF: 421.6/33

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

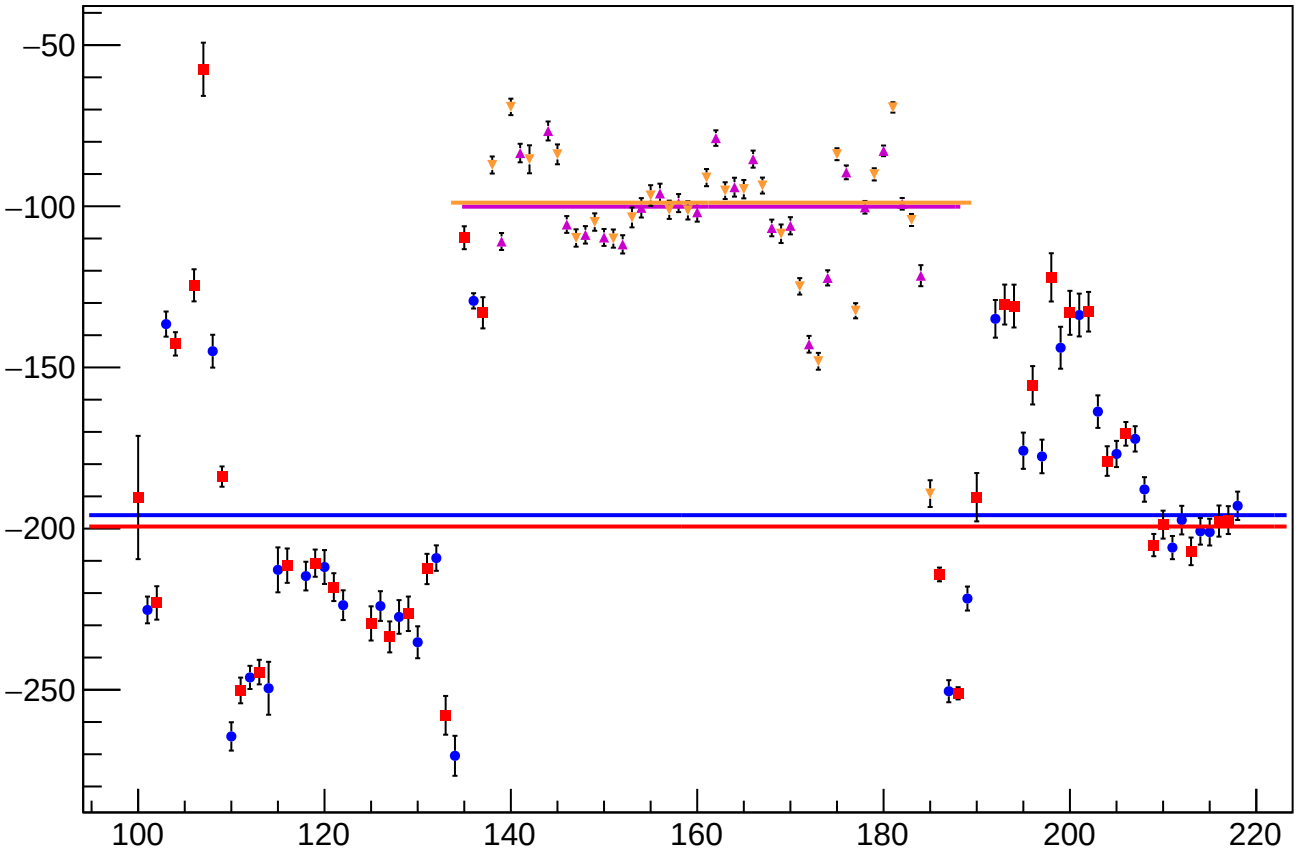
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: -3.066+/-0.608 χ^2/NDF: 846.2/65

In: 6.972+/-0.371 χ^2/NDF:1630.4/54

Out: 6.826+/-0.362 χ^2/NDF:1849.1/57

All: 6.898+/-0.259 χ^2/NDF: 3479.6/112



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: -199.354+/-0.721 χ^2/NDF: 3664.2/33

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

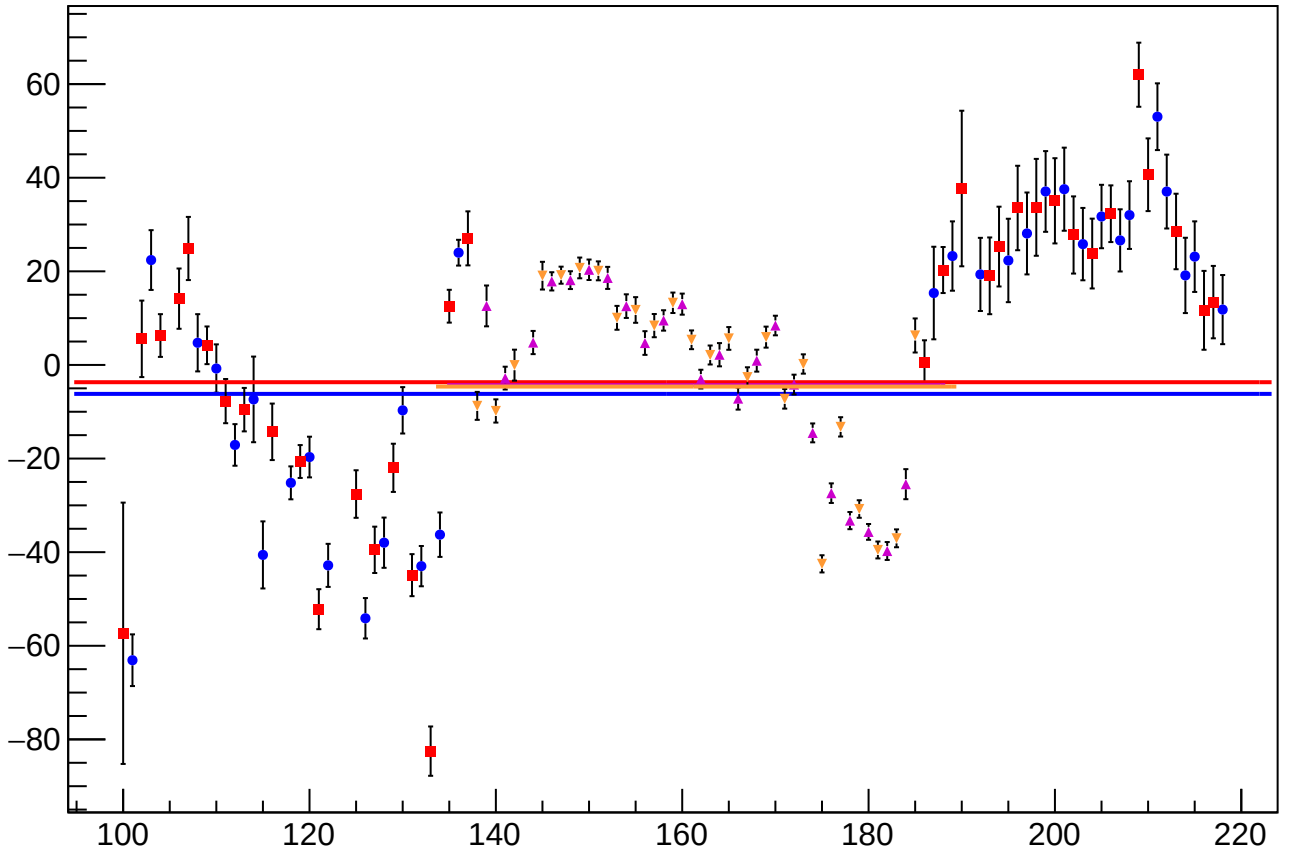
Left: -99.498+/-0.366 χ^2/NDF: 2650.6/46

Right: -197.710+/-0.526 χ^2/NDF: 6385.6/65

In: -130.064+/-0.431 χ^2/NDF:14125.8/54

Out: -132.766+/-0.419 χ^2/NDF:18367.0/57

All: -131.455+/-0.300 χ^2/NDF: 32513.0/112



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: -3.688+/-0.983 χ^2/NDF: 951.9/33

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

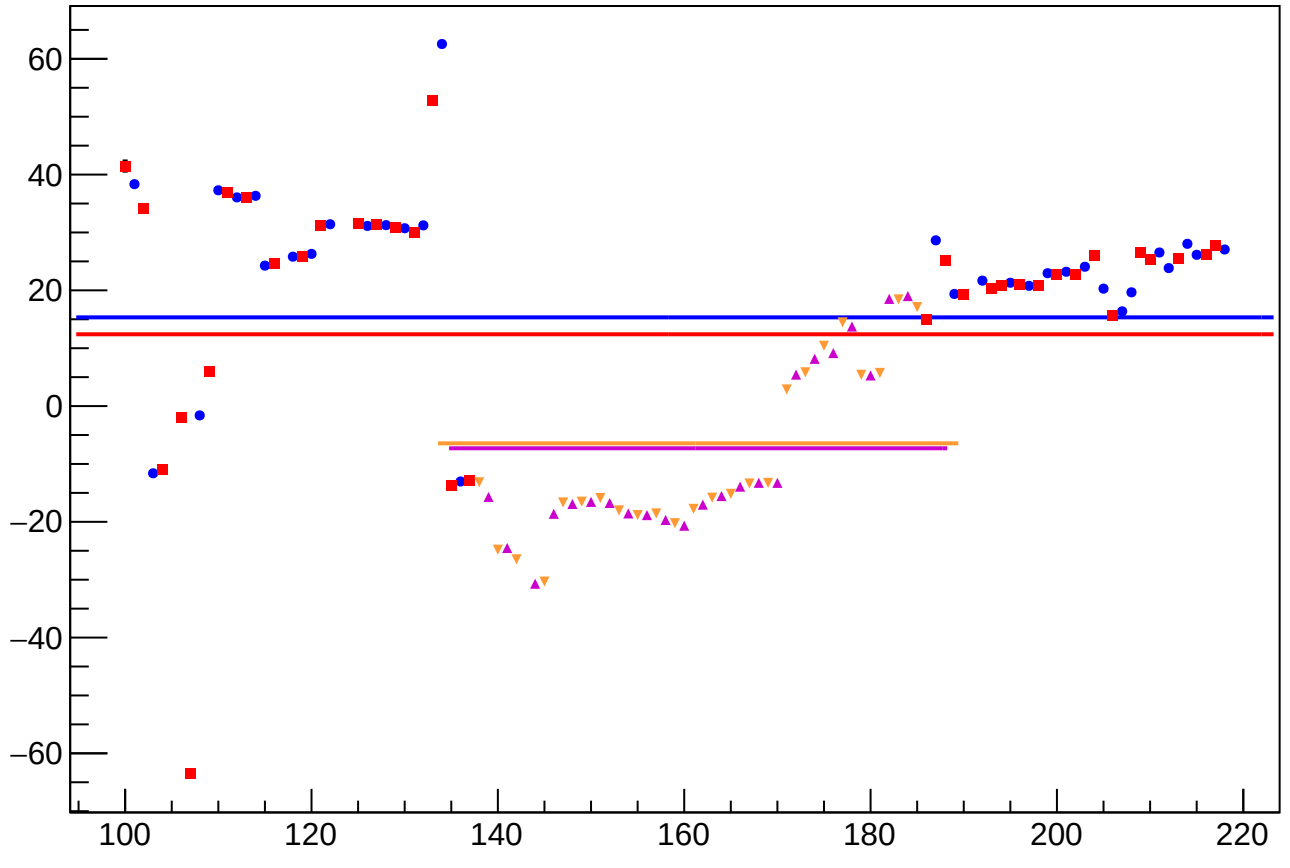
Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

Right: -4.920+/-0.700 χ^2/NDF: 1945.9/65

In: -4.653+/-0.417 χ^2/NDF:2847.9/54

Out: -4.456+/-0.410 χ^2/NDF:3030.9/57

All: -4.553+/-0.292 χ^2/NDF: 5878.9/112



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: 12.408+/-0.049 χ^2/NDF: 184704.7/33

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

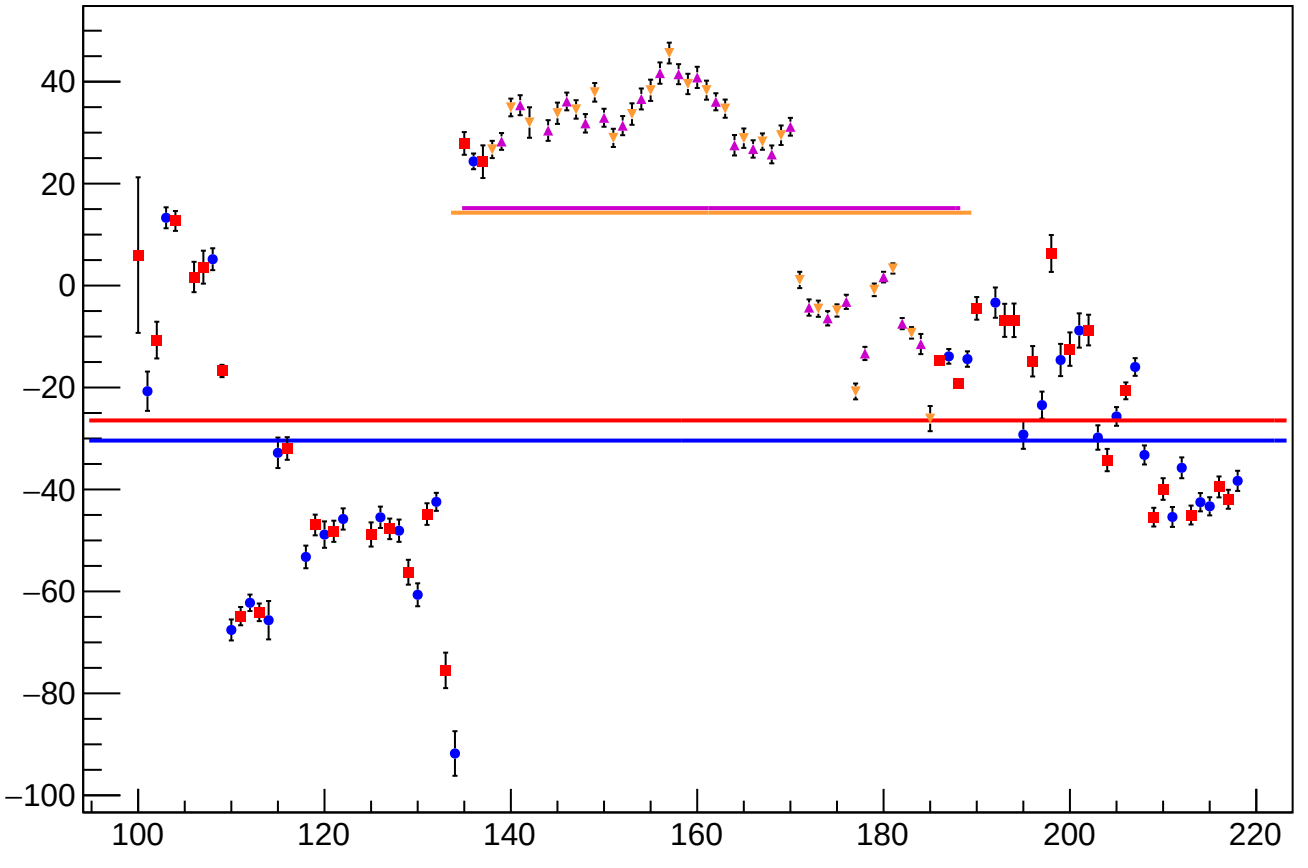
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 13.869+/-0.034 χ^2/NDF: 366403.5/65

In: -3.934+/-0.019 χ^2/NDF:852469.1/54

Out: -3.662+/-0.019 χ^2/NDF:809659.1/57

All: -3.798+/-0.013 χ^2/NDF: 1662234.0/112



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: -26.460+/-0.333 χ^2/NDF: 4217.8/33

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

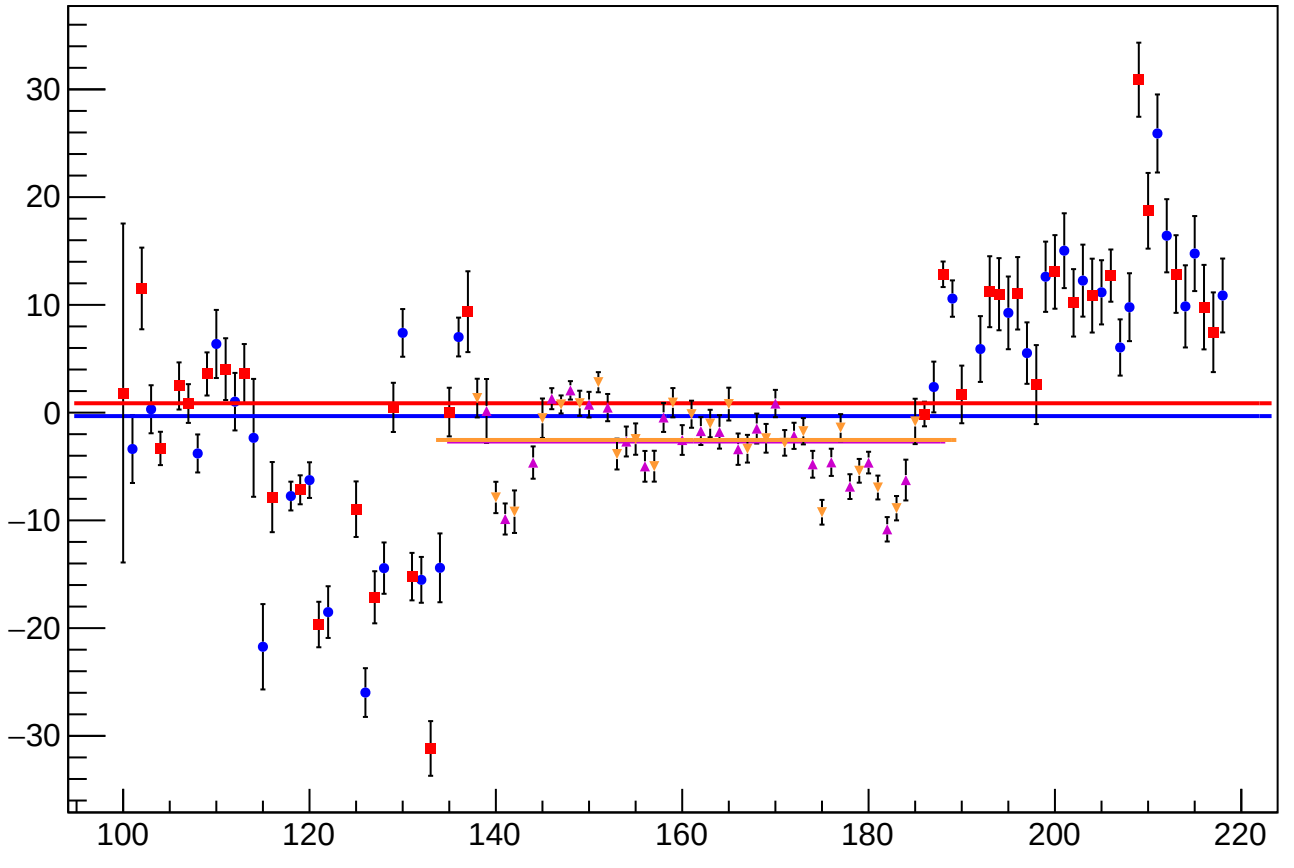
Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

Right: -28.228+/-0.248 χ^2/NDF: 8487.6/65

In: -5.625+/-0.250 χ^2/NDF:15854.6/54

Out: -6.188+/-0.236 χ^2/NDF:15373.8/57

All: -5.923+/-0.172 χ^2/NDF: 31231.1/112



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: 0.870+/-0.398 χ^2/NDF: 752.2/33

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

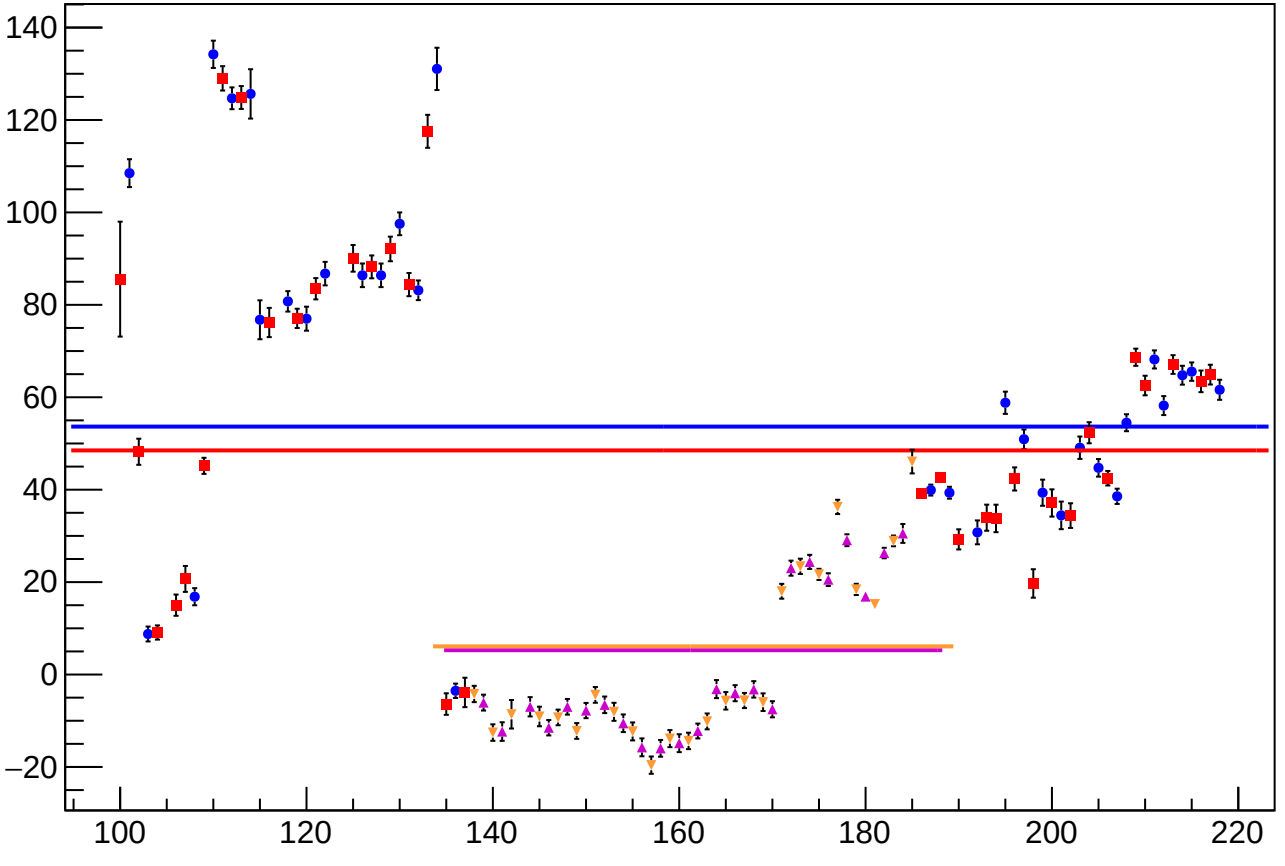
Right: 0.335+/-0.295 χ^2/NDF: 1412.7/65

In: -2.056+/-0.227 χ^2/NDF:859.6/54

Out: -1.524+/-0.217 χ^2/NDF:1002.1/57

All: -1.778+/-0.157 χ^2/NDF: 1864.5/112

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: 48.497+/-0.322 χ^2/NDF: 6350.3/33

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

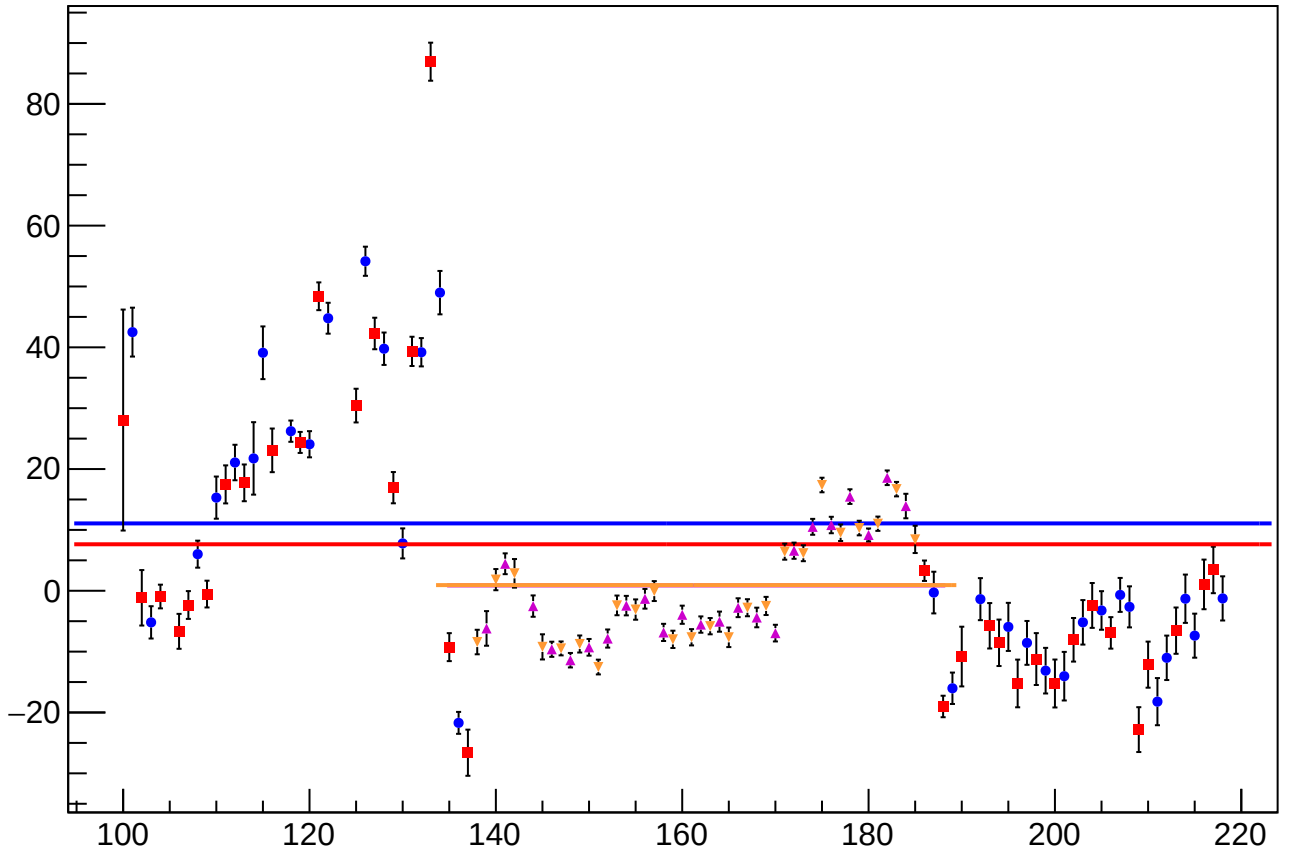
Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

Right: 50.711+/-0.243 χ^2/NDF: 13354.7/65

In: 27.083+/-0.249 χ^2/NDF:18665.2/54

Out: 27.992+/-0.231 χ^2/NDF:17503.9/57

All: 27.571+/-0.170 χ^2/NDF: 36176.2/112



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: 7.639+/-0.482 χ^2/NDF: 2286.0/33

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

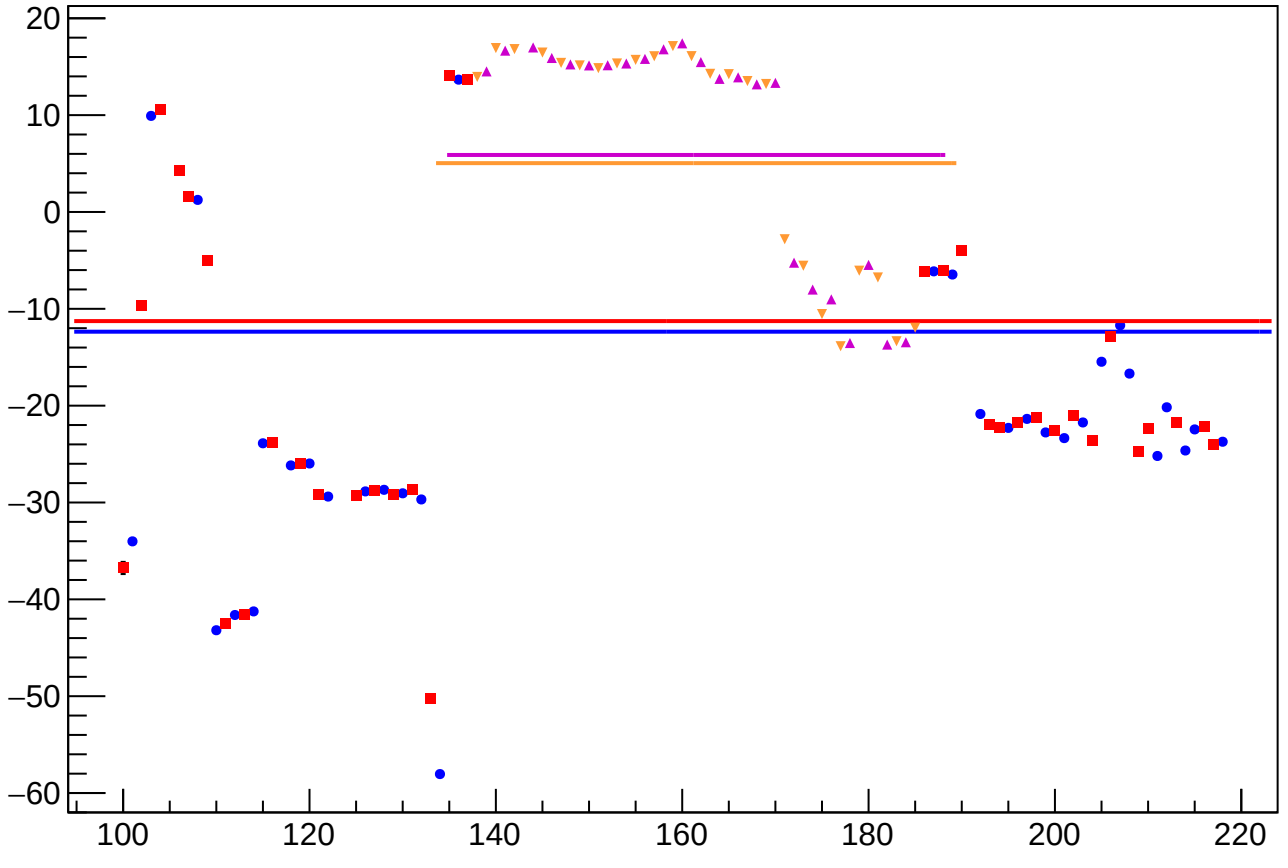
Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

Right: 9.243+/-0.352 χ^2/NDF: 4271.5/65

In: 3.430+/-0.257 χ^2/NDF:3262.2/54

Out: 2.728+/-0.250 χ^2/NDF:3469.4/57

All: 3.068+/-0.179 χ^2/NDF: 6735.4/112



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: -11.268+/-0.023 χ^2/NDF: 427563.9/33

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

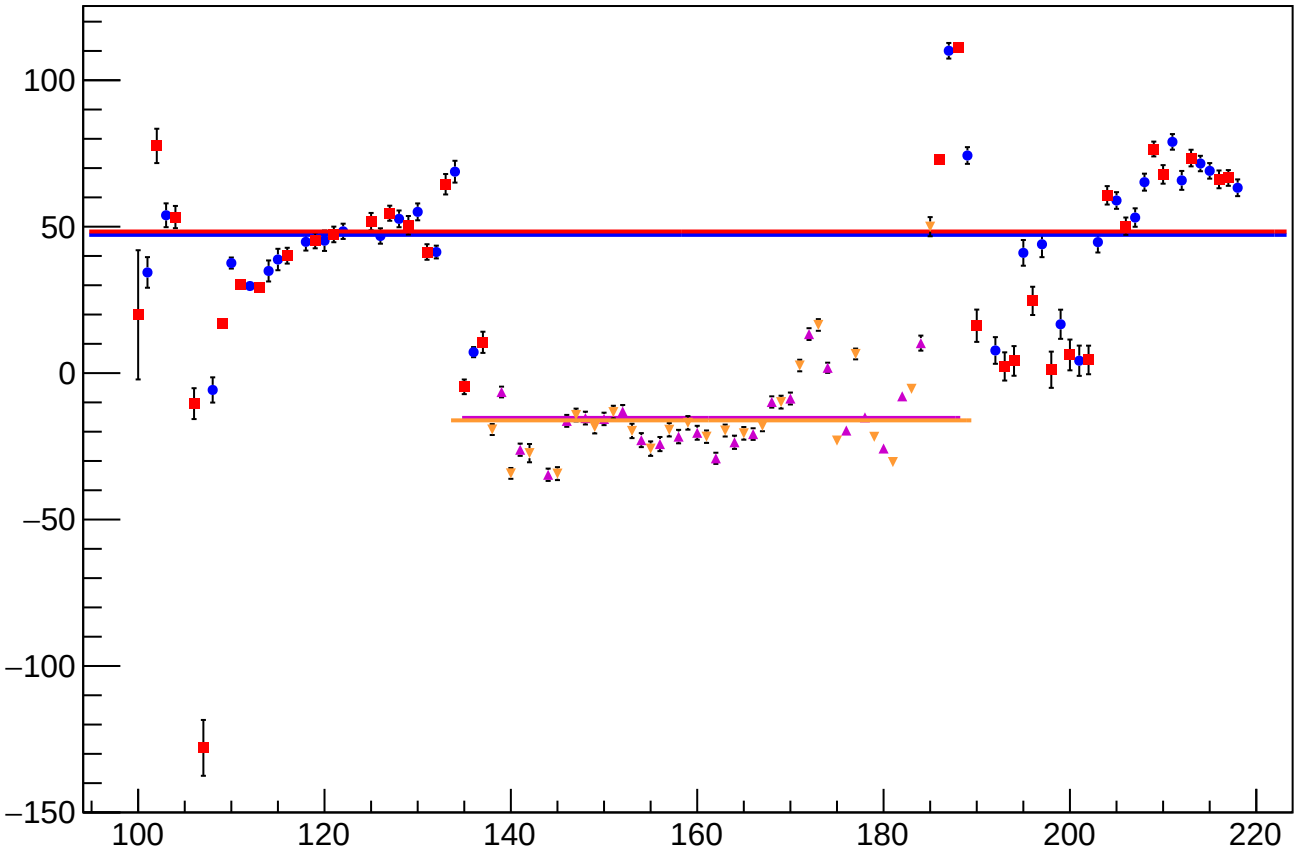
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -11.804+/-0.017 χ^2/NDF: 935818.1/65

In: 1.606+/-0.012 χ^2/NDF:1805350.3/54

Out: 1.136+/-0.011 χ^2/NDF:1656580.6/57

All: 1.369+/-0.008 χ^2/NDF: 3462777.1/112



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: 48.352+/-0.477 χ^2/NDF: 4466.5/33

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

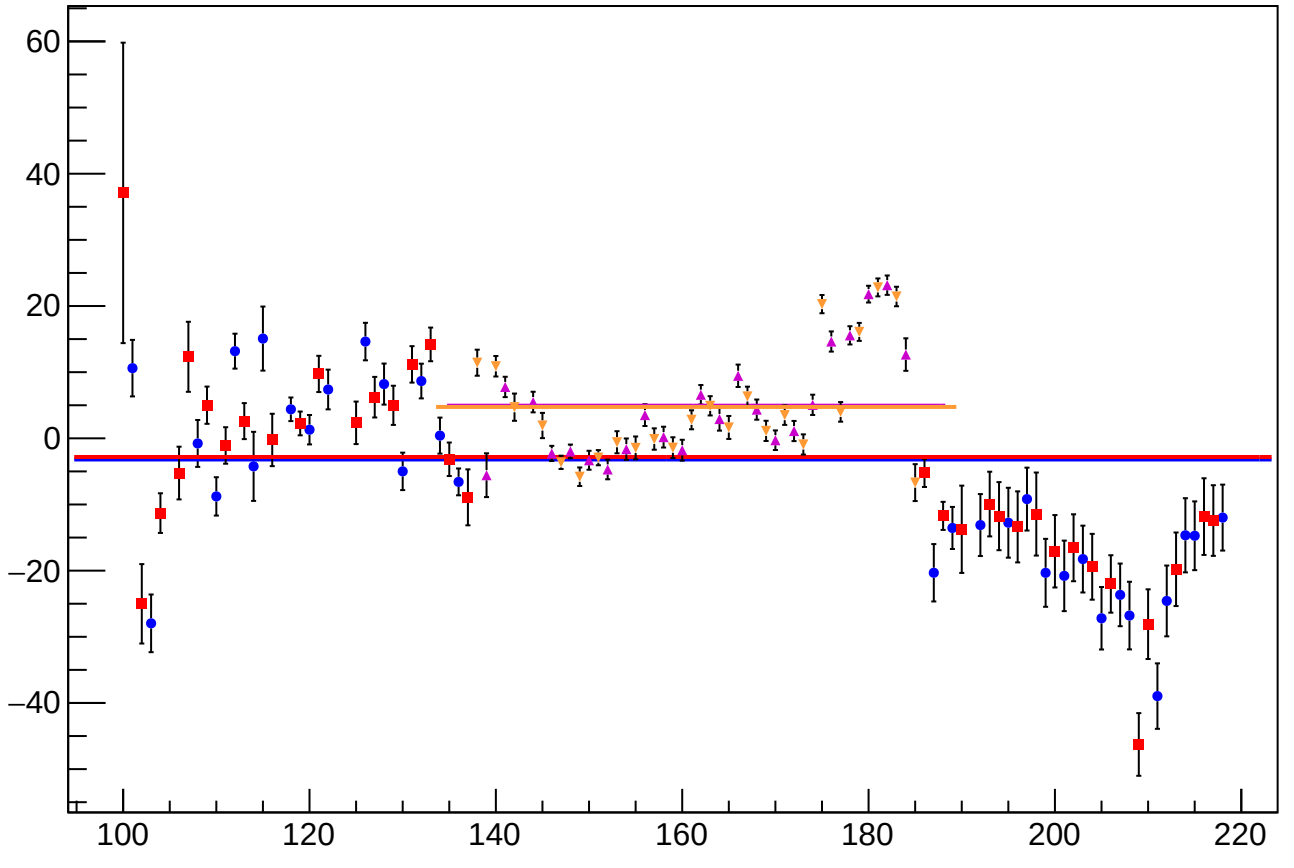
Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

Right: 47.815+/-0.348 χ^2/NDF: 6626.8/65

In: 8.883+/-0.316 χ^2/NDF:12213.5/54

Out: 10.334+/-0.306 χ^2/NDF:16610.7/57

All: 9.633+/-0.220 χ^2/NDF: 28835.1/112



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: -2.819+/-0.587 χ^2/NDF: 365.2/33

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

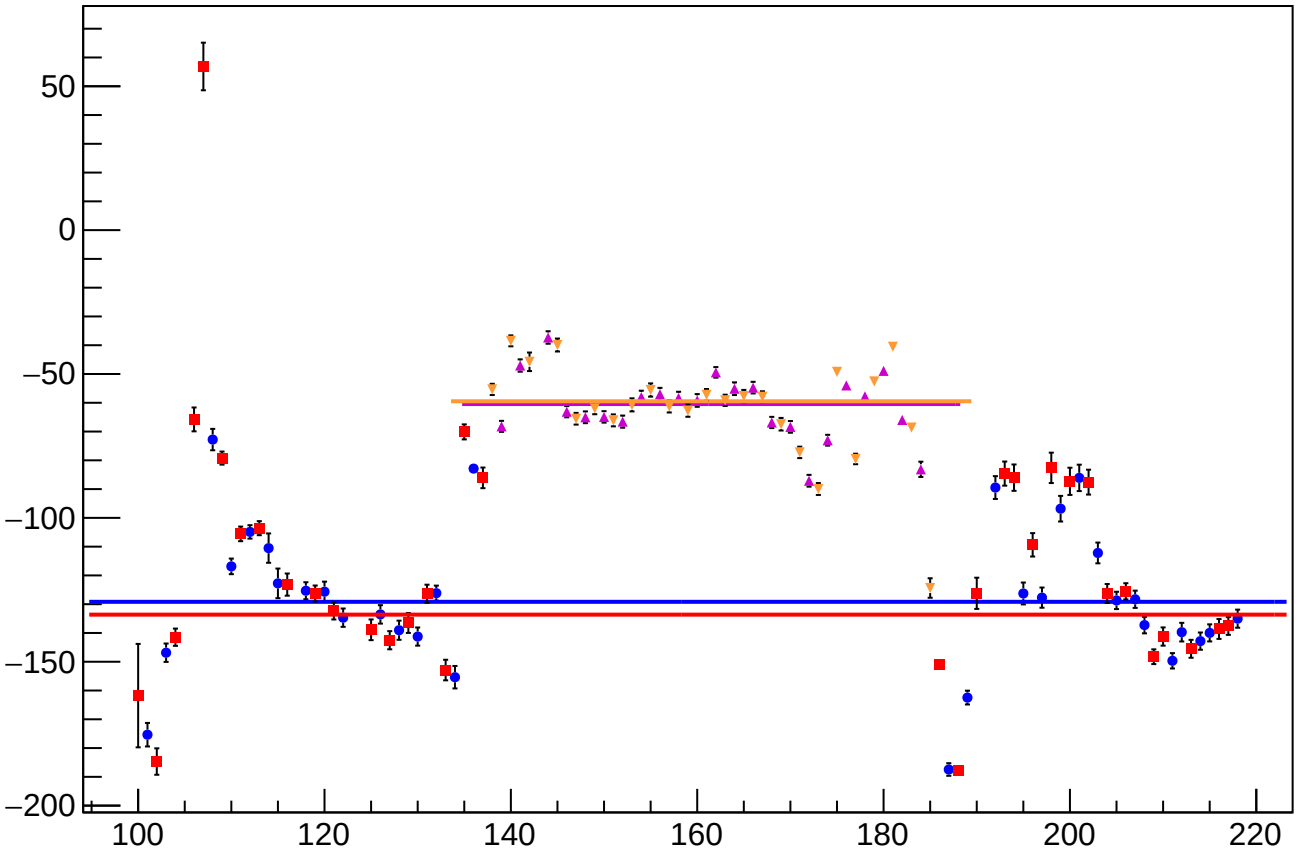
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: -3.002+/-0.421 χ^2/NDF: 790.7/65

In: 3.217+/-0.278 χ^2/NDF:1256.2/54

Out: 3.122+/-0.272 χ^2/NDF:1289.6/57

All: 3.168+/-0.194 χ^2/NDF: 2545.9/112



Right In: -129.170+/-0.541 χ^2/NDF: 2588.3/31

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

Right Out: -133.628+/-0.498 χ^2/NDF: 5389.1/33

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

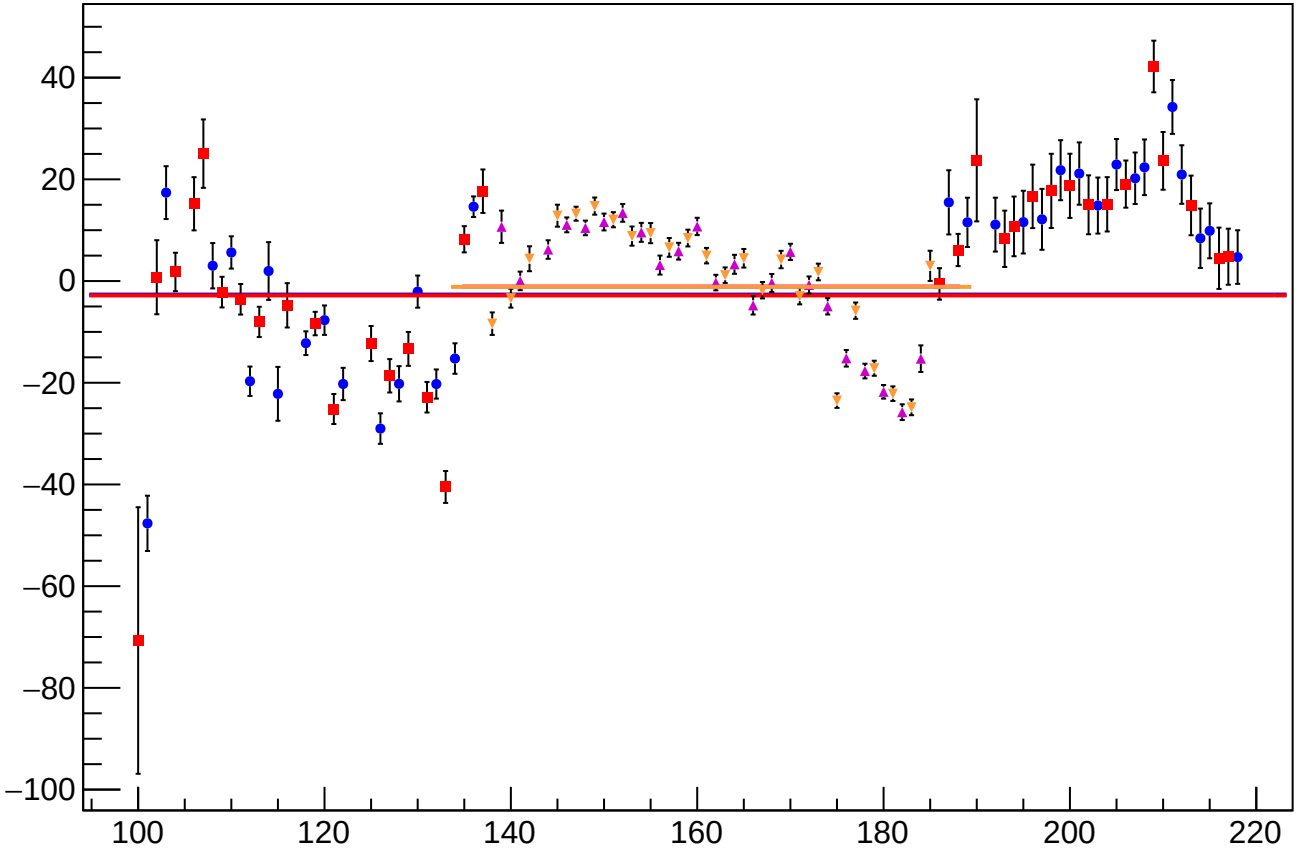
Right: -131.580+/-0.366 χ^2/NDF: 8014.1/65

In: -84.711+/-0.321 χ^2/NDF:13711.2/54

Out: -88.086+/-0.310 χ^2/NDF:20360.9/57

All: -86.462+/-0.223 χ^2/NDF: 34129.3/112

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -2.830+/-0.684 χ^2/NDF: 582.4/33

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

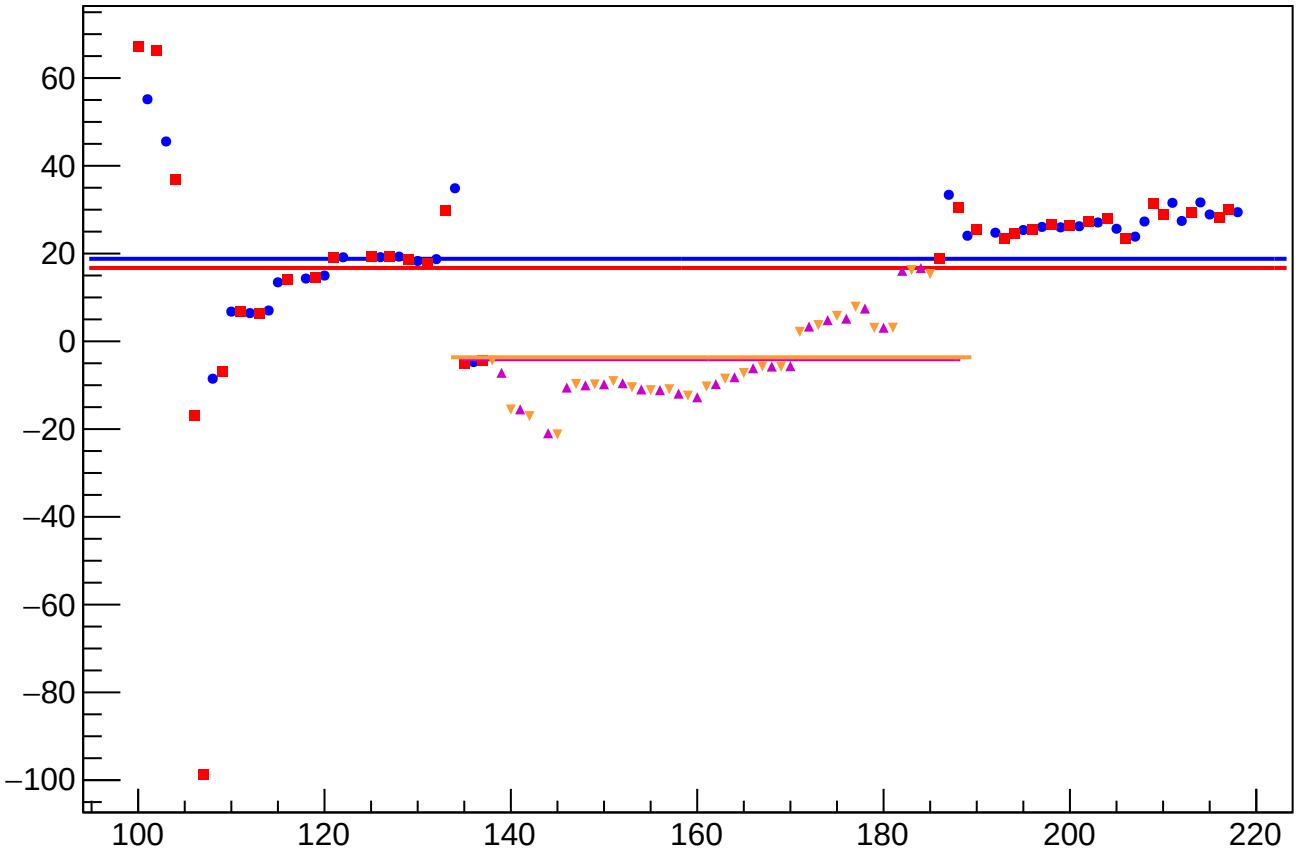
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -2.747+/-0.486 χ^2/NDF: 1225.4/65

In: -1.409+/-0.313 χ^2/NDF:1804.5/54

Out: -1.487+/-0.308 χ^2/NDF:1890.3/57

All: -1.448+/-0.220 χ^2/NDF: 3694.8/112



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: 16.721+/-0.035 χ^2/NDF: 354826.4/33

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

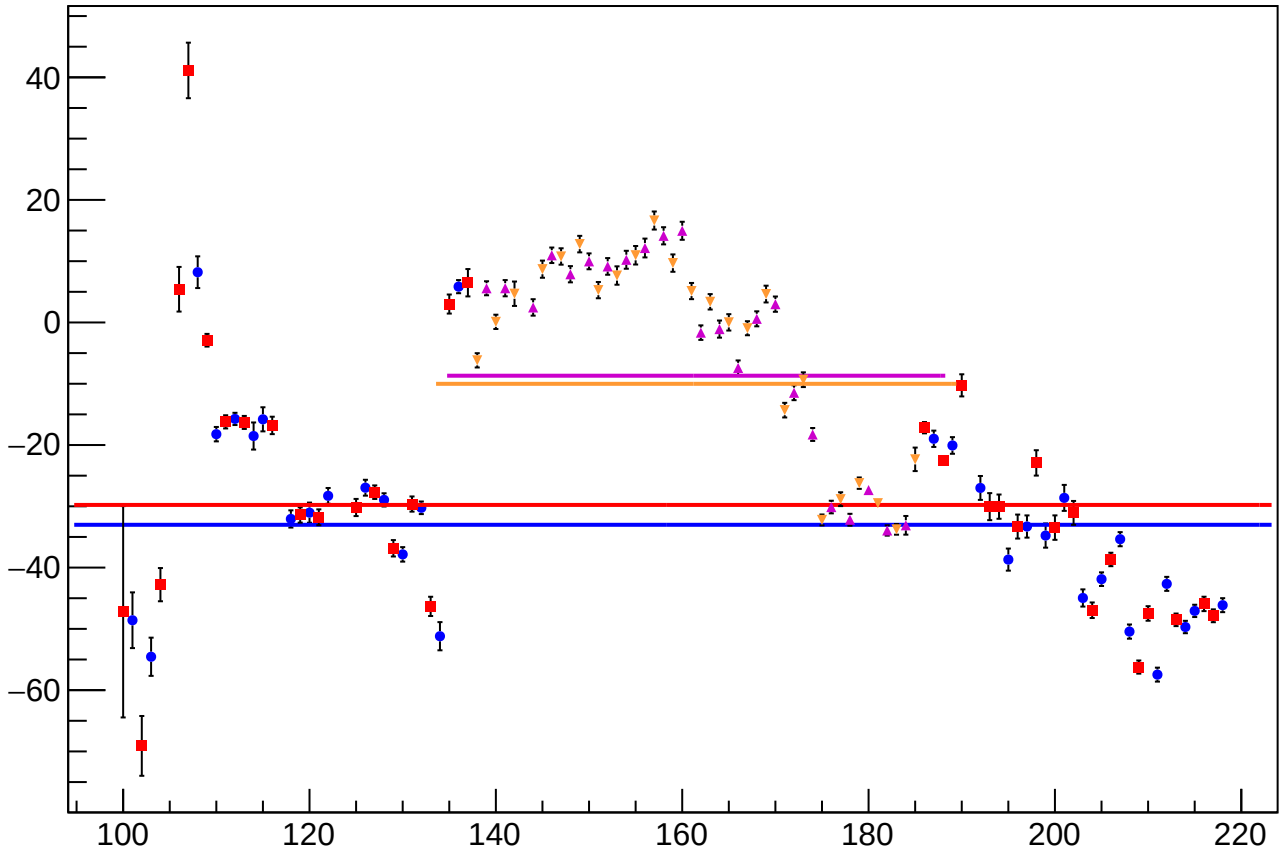
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 17.777+/-0.025 χ^2/NDF: 576701.5/65

In: -0.287+/-0.014 χ^2/NDF:914526.7/54

Out: -0.360+/-0.014 χ^2/NDF:980348.0/57

All: -0.323+/-0.010 χ^2/NDF: 1894888.0/112



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: -29.775+/-0.232 χ^2/NDF: 4672.1/33

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

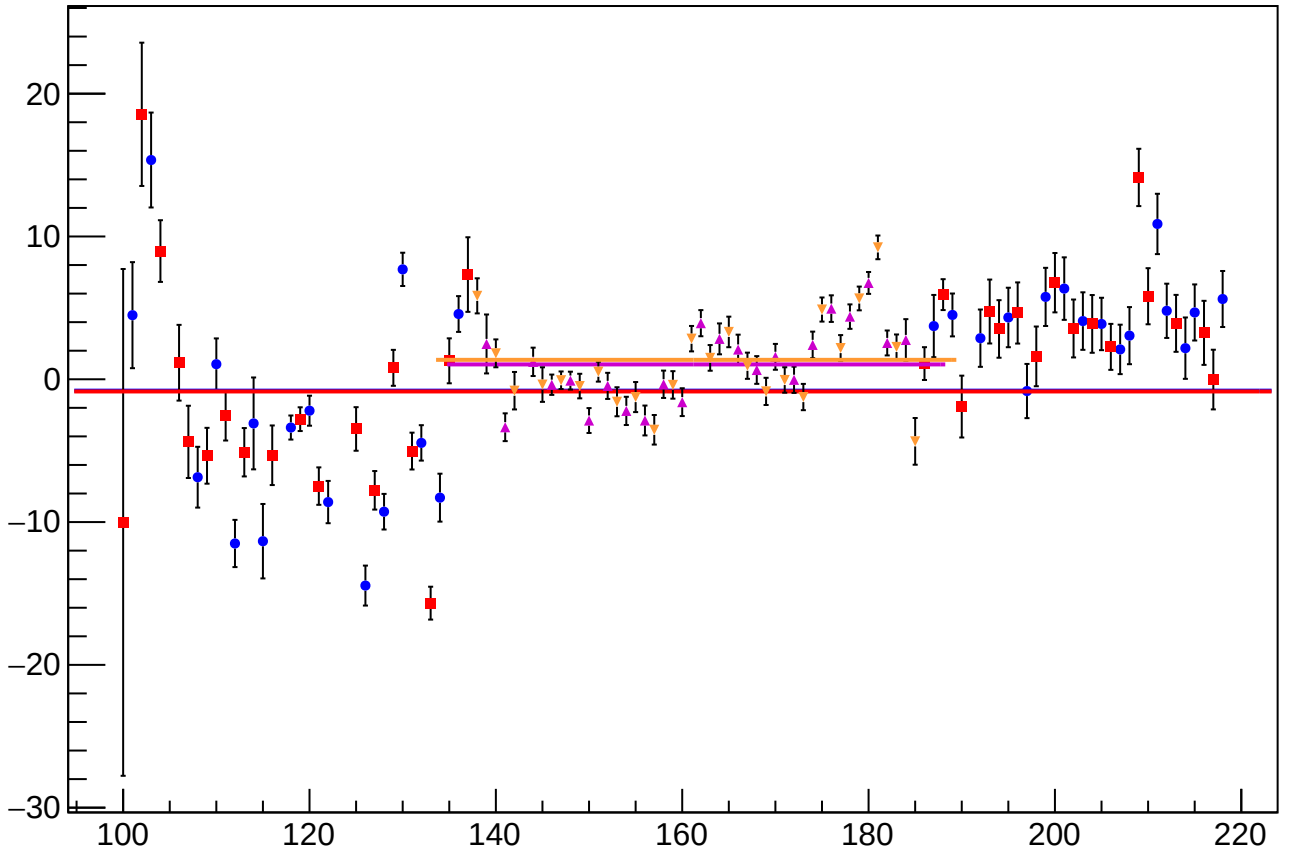
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -31.358+/-0.166 χ^2/NDF: 8831.3/65

In: -21.350+/-0.172 χ^2/NDF:14107.2/54

Out: -20.395+/-0.168 χ^2/NDF:13086.5/57

All: -20.863+/-0.120 χ^2/NDF: 27209.5/112



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: -0.853+/-0.285 χ^2/NDF: 471.0/33

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

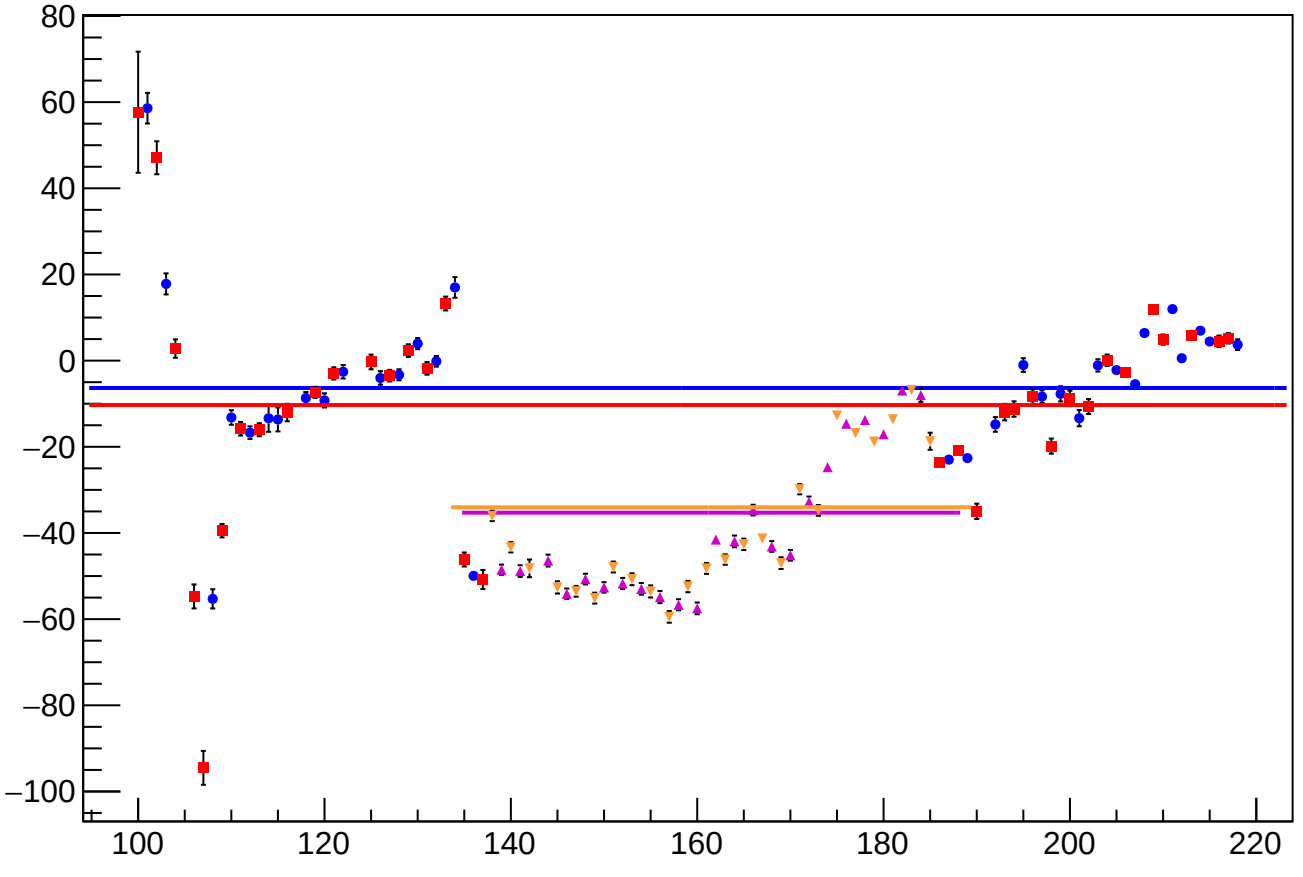
Right: -0.825+/-0.204 χ^2/NDF: 970.8/65

In: 0.481+/-0.160 χ^2/NDF:723.5/54

Out: 0.689+/-0.157 χ^2/NDF:753.3/57

All: 0.587+/-0.112 χ^2/NDF: 1477.7/112

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -10.309+/-0.238 χ^2/NDF: 4644.0/33

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

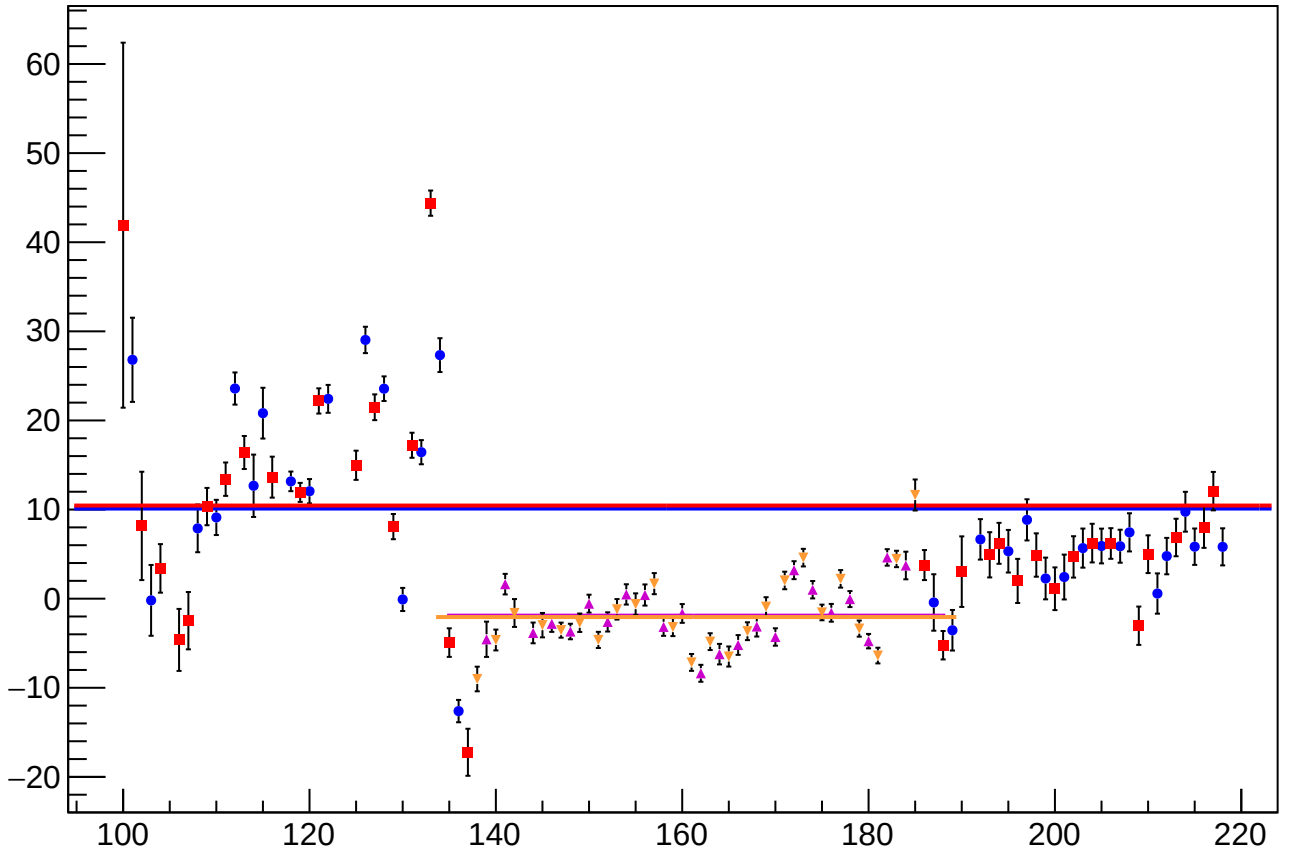
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

Right: -8.422+/-0.173 χ^2/NDF: 8802.4/65

In: -21.090+/-0.175 χ^2/NDF:15844.6/54

Out: -21.969+/-0.170 χ^2/NDF:14476.9/57

All: -21.543+/-0.122 χ^2/NDF: 30334.4/112



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: 10.449+/-0.332 χ^2/NDF: 1220.6/33

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

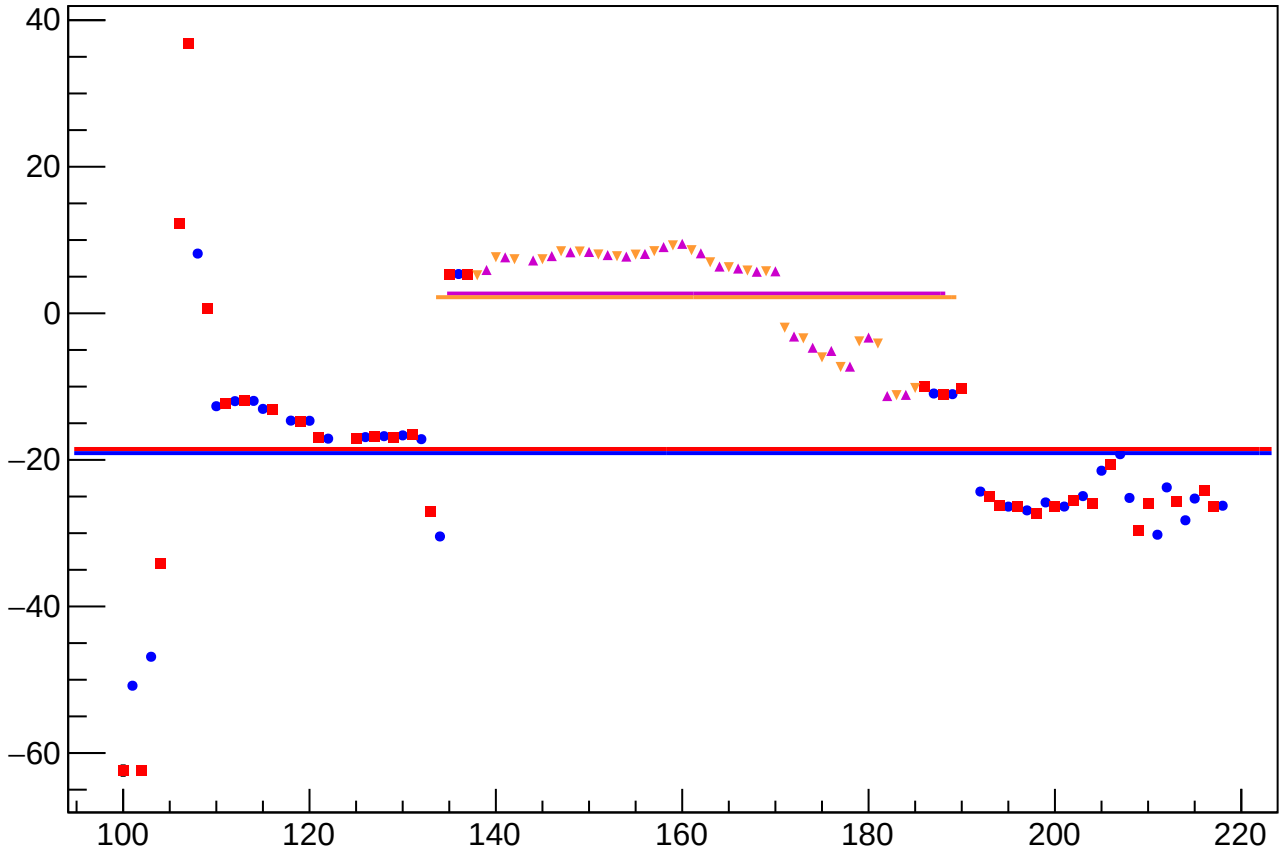
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 10.282+/-0.235 χ^2/NDF: 2258.3/65

In: 1.679+/-0.181 χ^2/NDF:2181.0/54

Out: 1.565+/-0.179 χ^2/NDF:2560.3/57

All: 1.621+/-0.127 χ^2/NDF: 4741.5/112



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: -18.513+/-0.017 χ^2/NDF: 615293.1/33

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

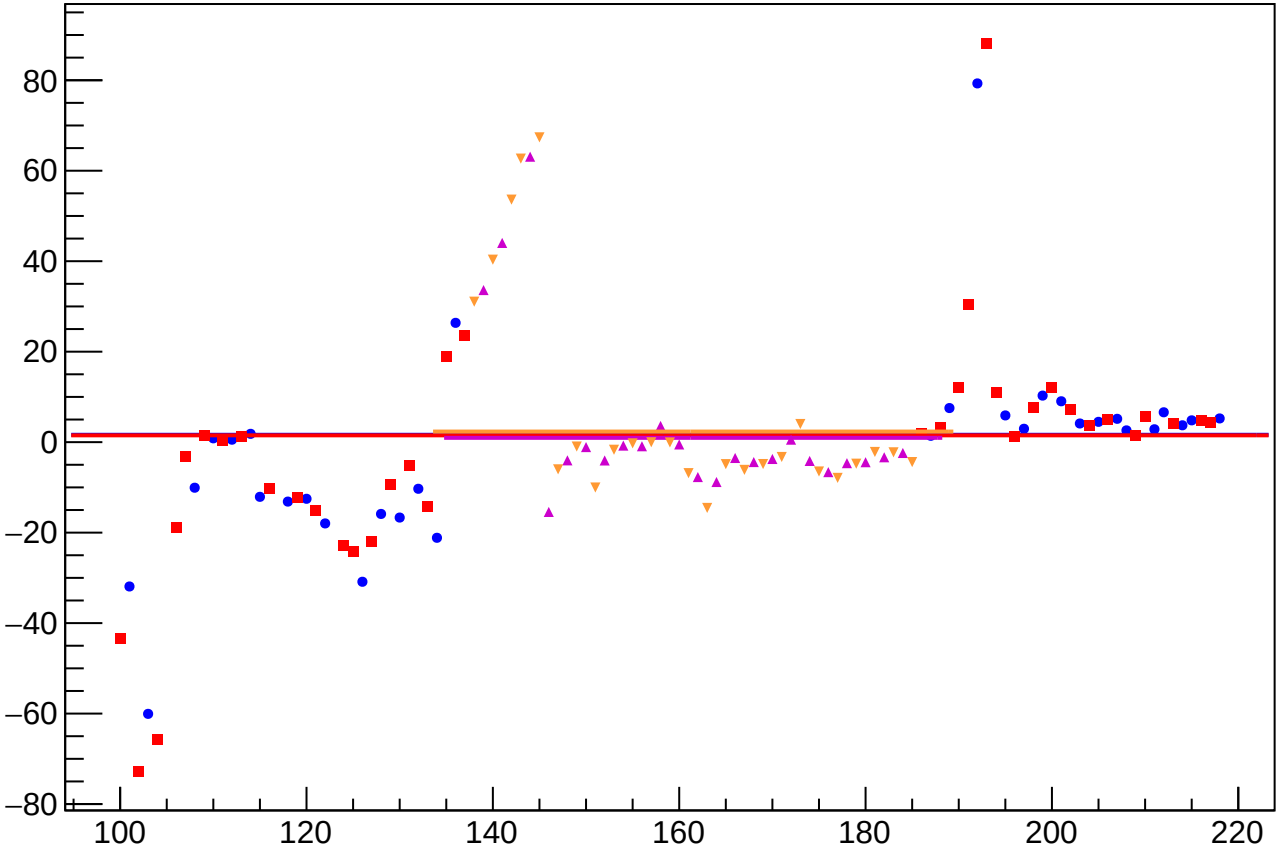
Right: -18.797+/-0.012 χ^2/NDF: 1151074.6/65

In: -2.706+/-0.008 χ^2/NDF:2322333.4/54

Out: -2.839+/-0.008 χ^2/NDF:2280907.4/57

All: -2.773+/-0.006 χ^2/NDF: 4603370.4/112

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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: 1.507+/-0.032 χ^2/NDF: 122438.8/35

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

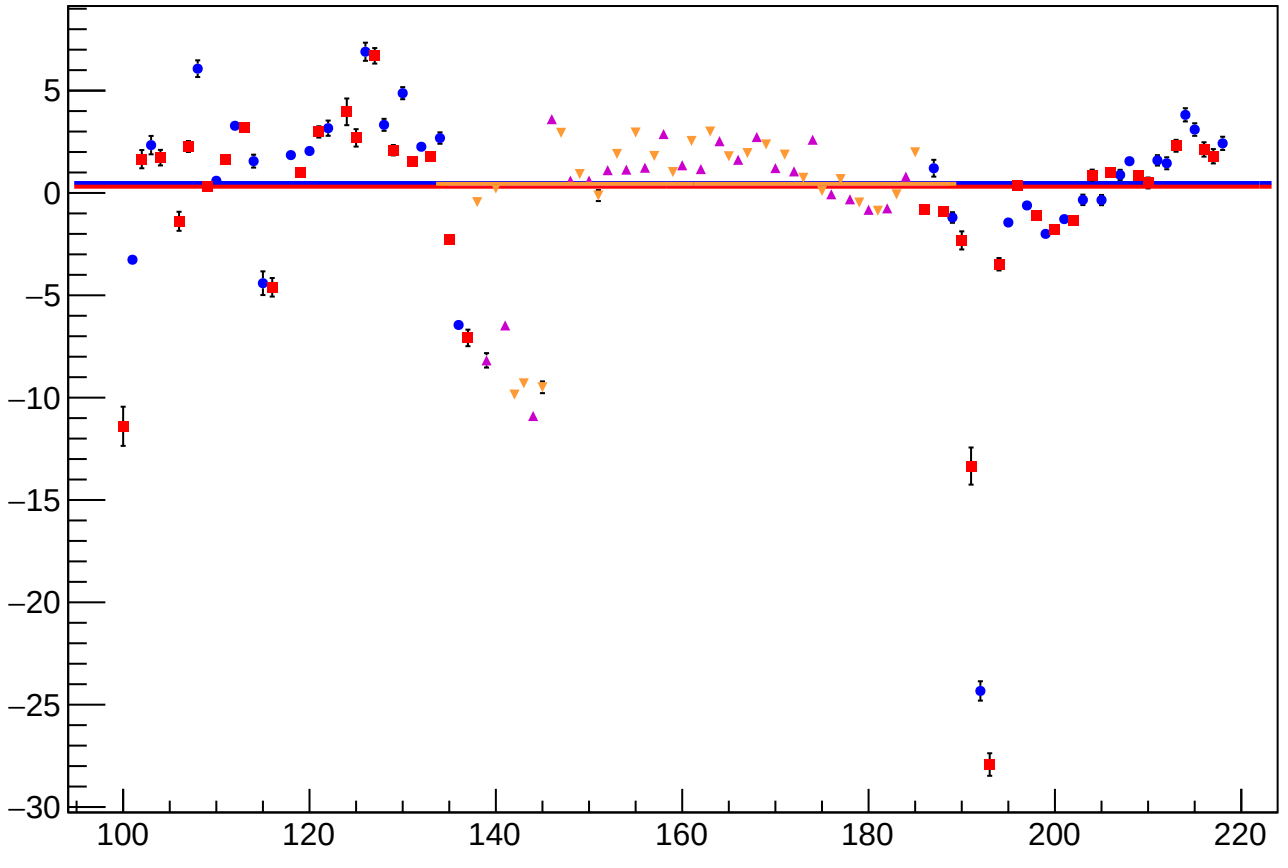
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: 1.562+/-0.023 χ^2/NDF: 244291.5/67

In: 1.342+/-0.026 χ^2/NDF:254527.8/54

Out: 1.826+/-0.025 χ^2/NDF:299690.2/60

All: 1.595+/-0.018 χ^2/NDF: 554398.3/115



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: 0.306+/-0.042 χ^2/NDF: 5198.1/35

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

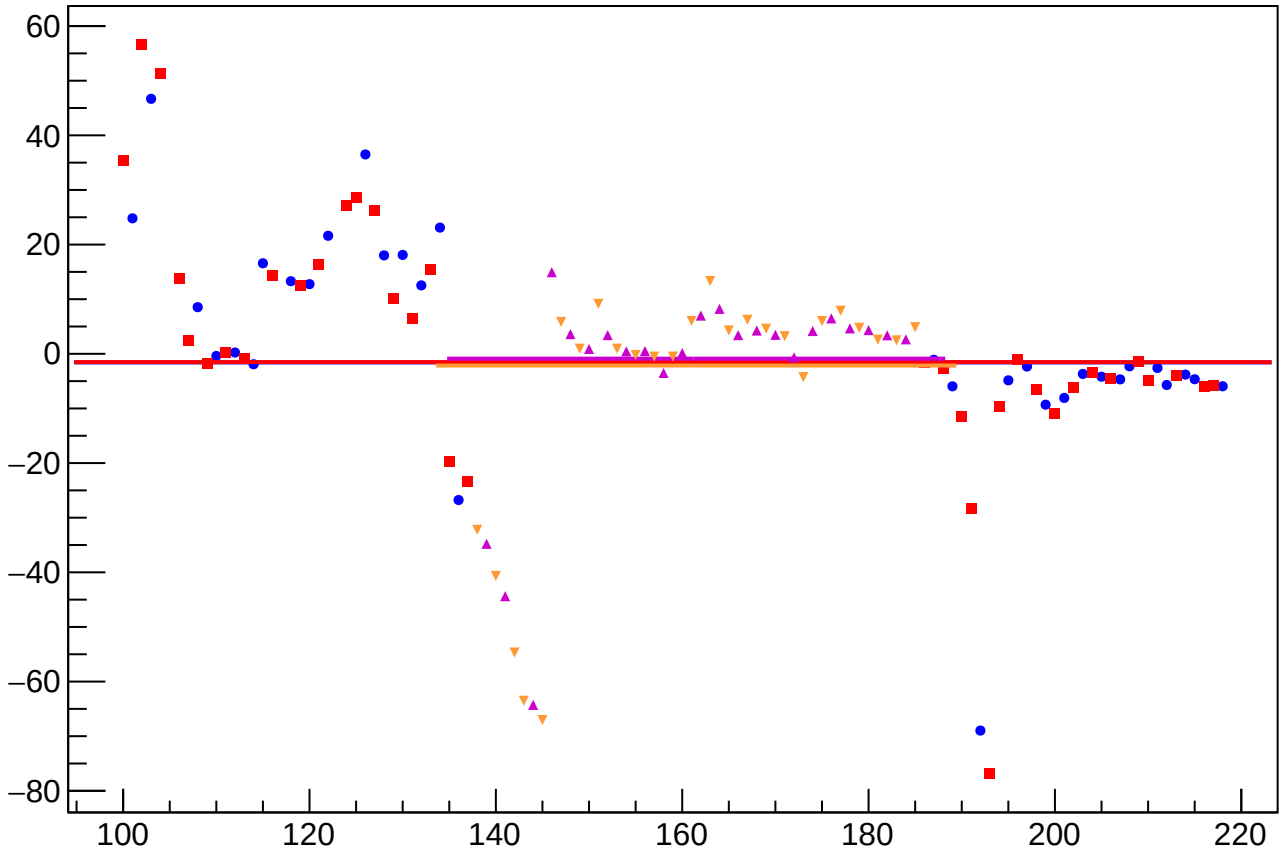
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.392+/-0.030 χ^2/NDF: 11337.4/67

In: 0.447+/-0.026 χ^2/NDF:13234.1/54

Out: 0.393+/-0.026 χ^2/NDF:12249.3/60

All: 0.421+/-0.018 χ^2/NDF: 25485.6/115



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: -1.523+/-0.034 χ^2/NDF: 120763.6/35

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

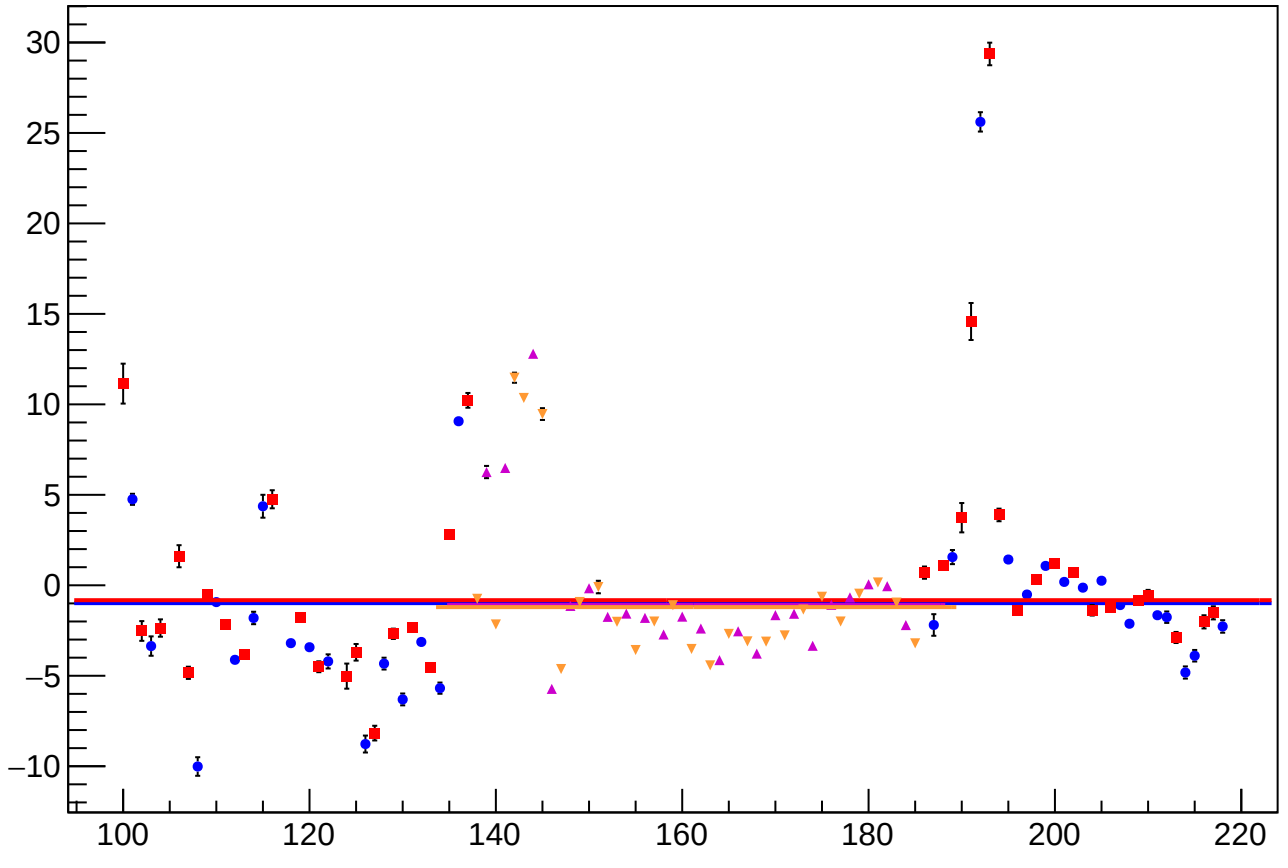
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -1.543+/-0.024 χ^2/NDF: 240982.5/67

In: -1.257+/-0.026 χ^2/NDF:249582.3/54

Out: -1.777+/-0.026 χ^2/NDF:292174.8/60

All: -1.524+/-0.018 χ^2/NDF: 541955.4/115



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: -0.823+/-0.048 χ^2/NDF: 5674.7/35

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

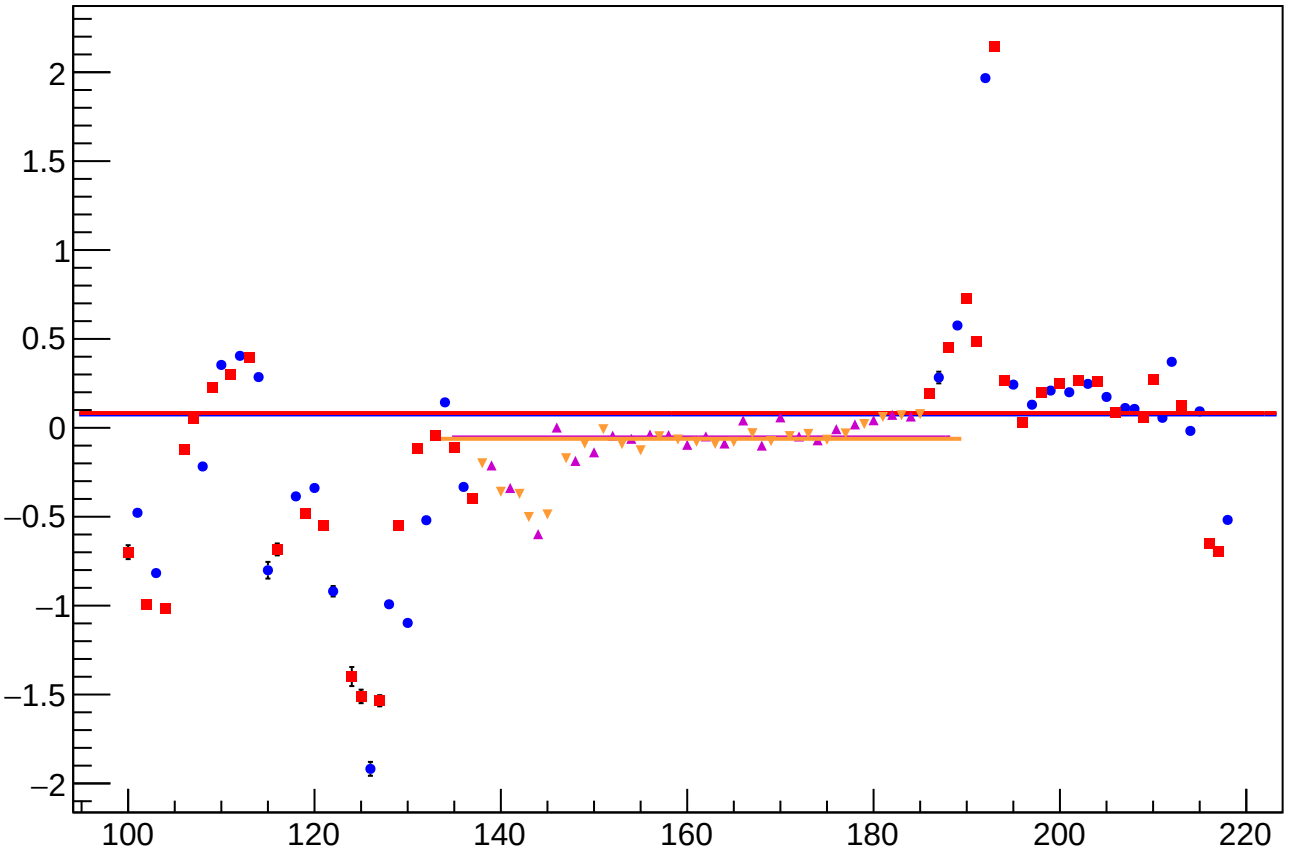
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.902+/-0.035 χ^2/NDF: 13294.8/67

In: -1.059+/-0.029 χ^2/NDF:14647.0/54

Out: -1.068+/-0.029 χ^2/NDF:12717.6/60

All: -1.064+/-0.020 χ^2/NDF: 27364.7/115



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: 0.083+/-0.002 χ^2/NDF: 37496.2/35

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

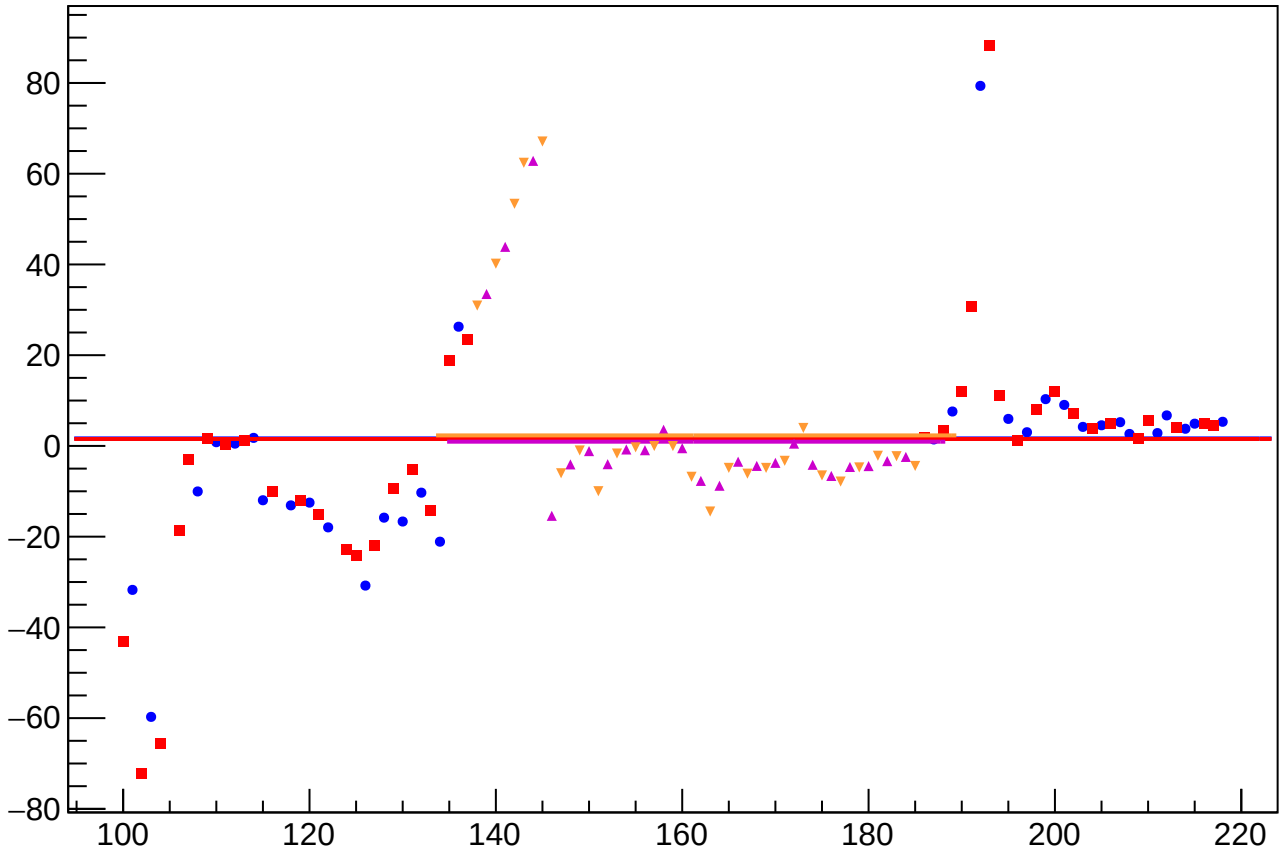
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.079+/-0.002 χ^2/NDF: 72898.2/67

In: -0.015+/-0.001 χ^2/NDF:42697.9/54

Out: -0.013+/-0.001 χ^2/NDF:46027.0/60

All: -0.014+/-0.001 χ^2/NDF: 88725.9/115



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: 1.532+/-0.032 χ^2/NDF: 123064.2/35

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

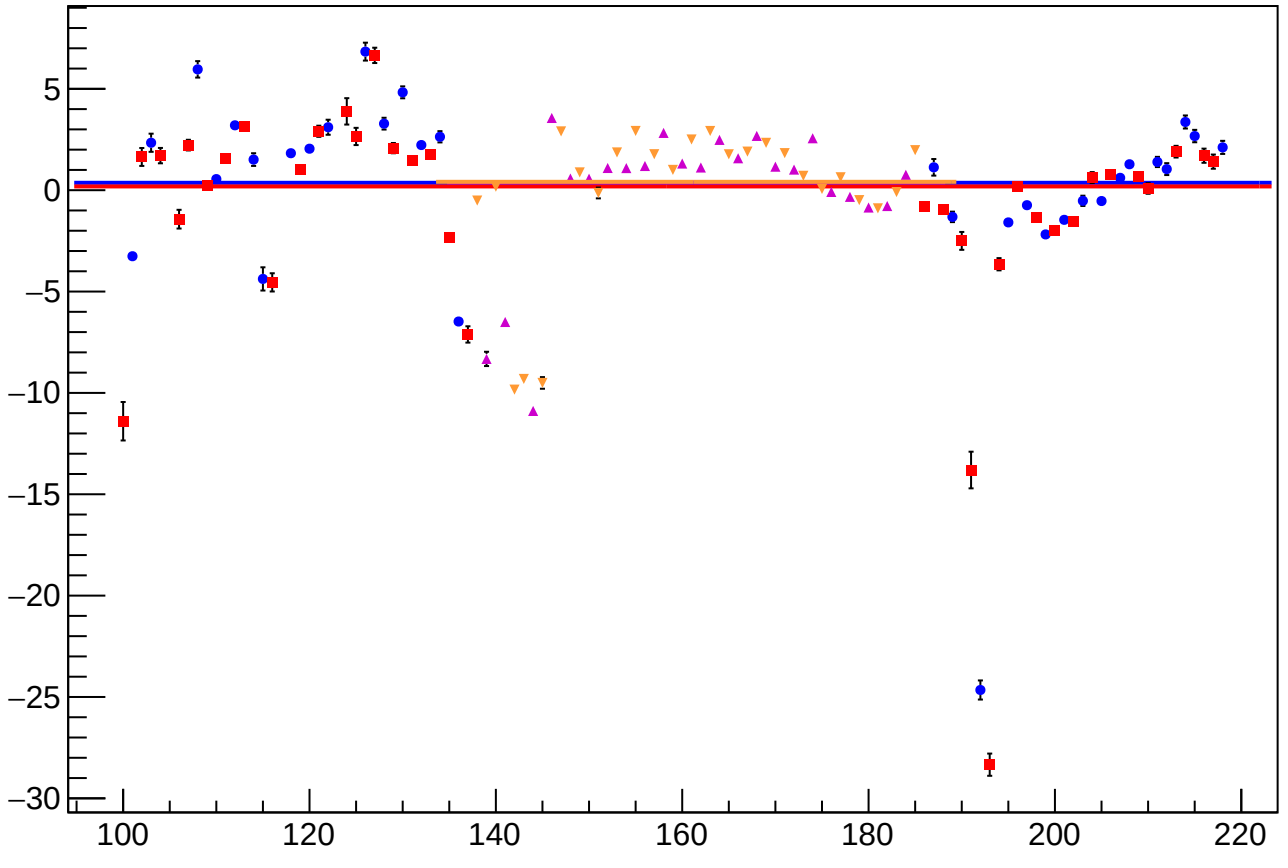
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 1.587+/-0.023 χ^2/NDF: 245498.8/67

In: 1.348+/-0.026 χ^2/NDF:255020.1/54

Out: 1.831+/-0.025 χ^2/NDF:300048.0/60

All: 1.601+/-0.018 χ^2/NDF: 555249.7/115



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: 0.185+/-0.042 χ^2/NDF: 5330.8/35

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

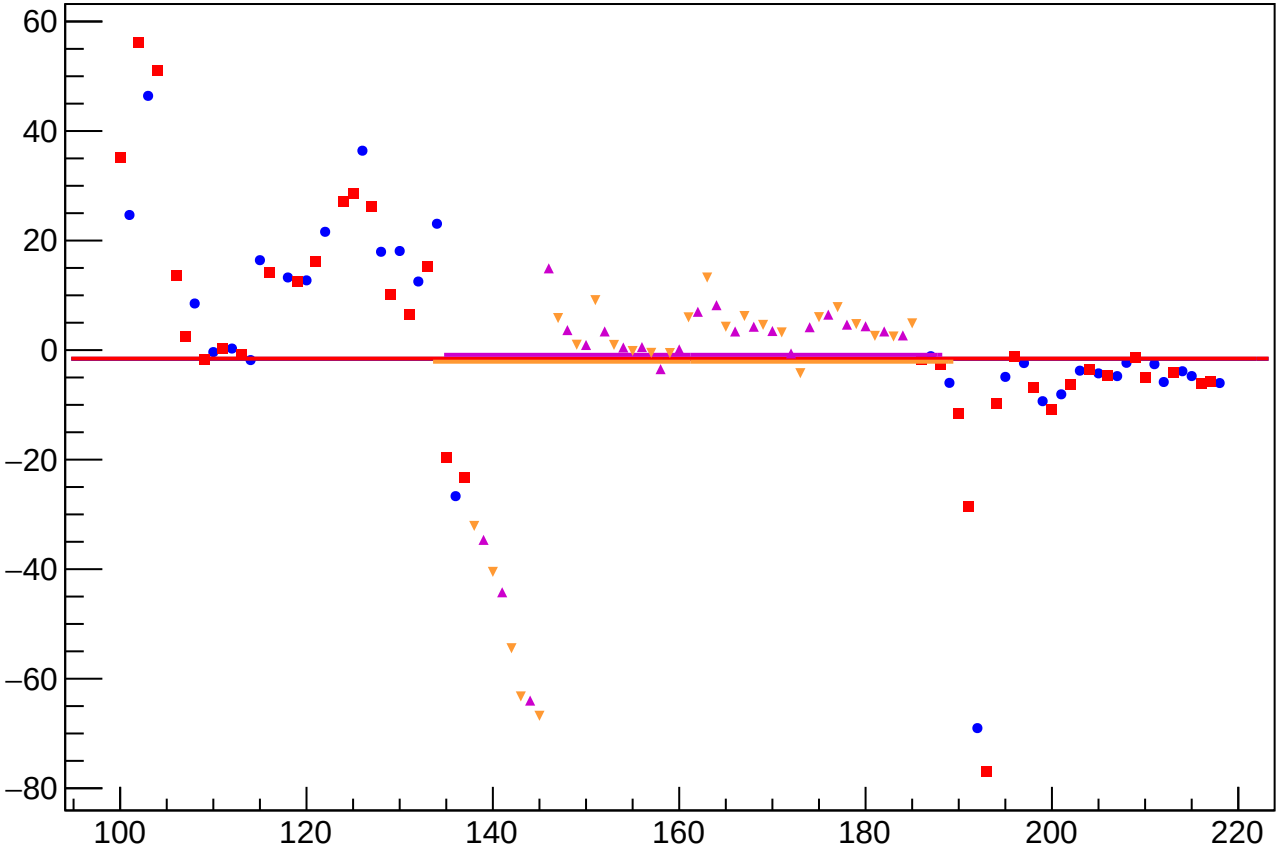
Right: 0.271+/-0.030 χ^2/NDF: 11540.4/67

In: 0.381+/-0.025 χ^2/NDF:13315.2/54

Out: 0.327+/-0.026 χ^2/NDF:12396.5/60

All: 0.354+/-0.018 χ^2/NDF: 25713.8/115

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -1.553+/-0.033 χ^2/NDF: 121351.4/35

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

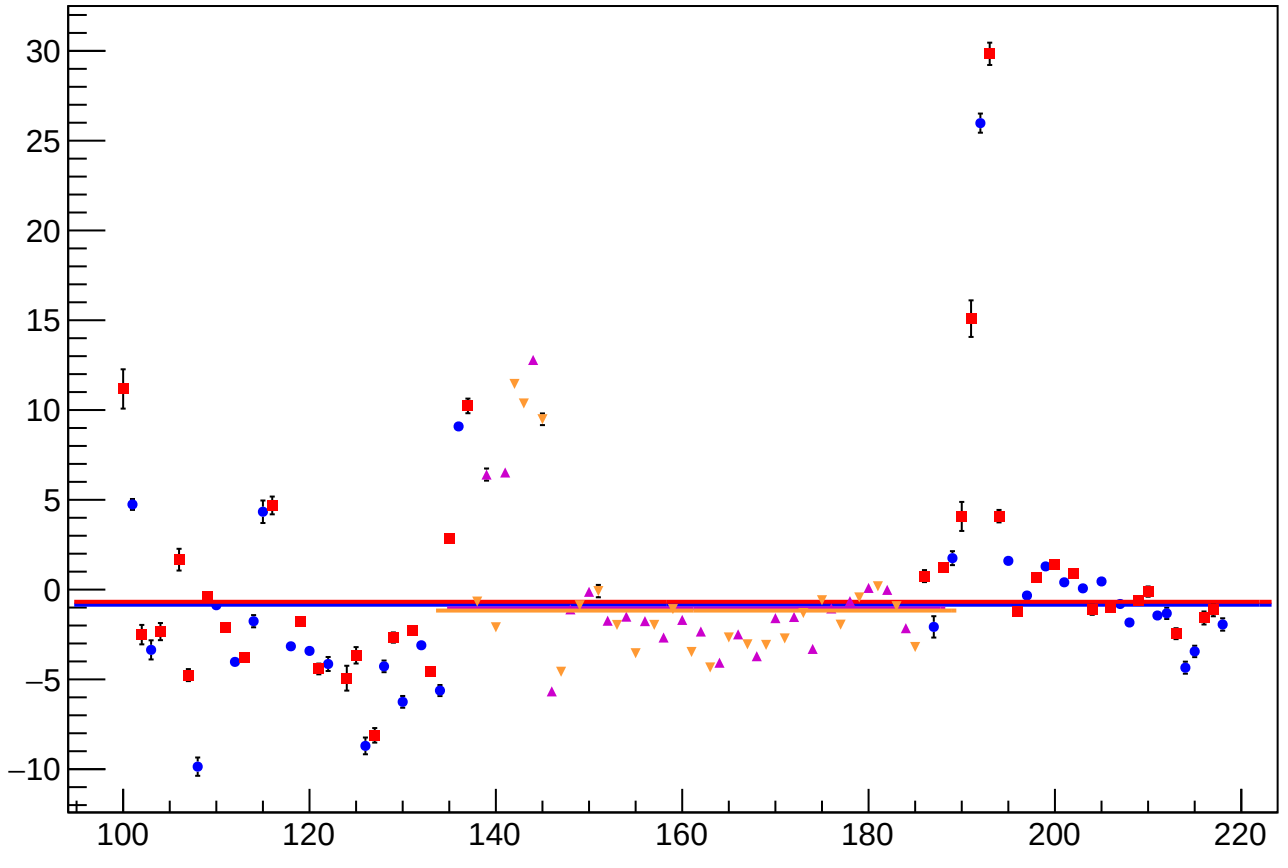
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: -1.573+/-0.024 χ^2/NDF: 242100.8/67

In: -1.264+/-0.026 χ^2/NDF:250027.7/54

Out: -1.784+/-0.026 χ^2/NDF:292509.1/60

All: -1.531+/-0.018 χ^2/NDF: 542737.2/115



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: -0.678+/-0.048 χ^2/NDF: 5813.0/35

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

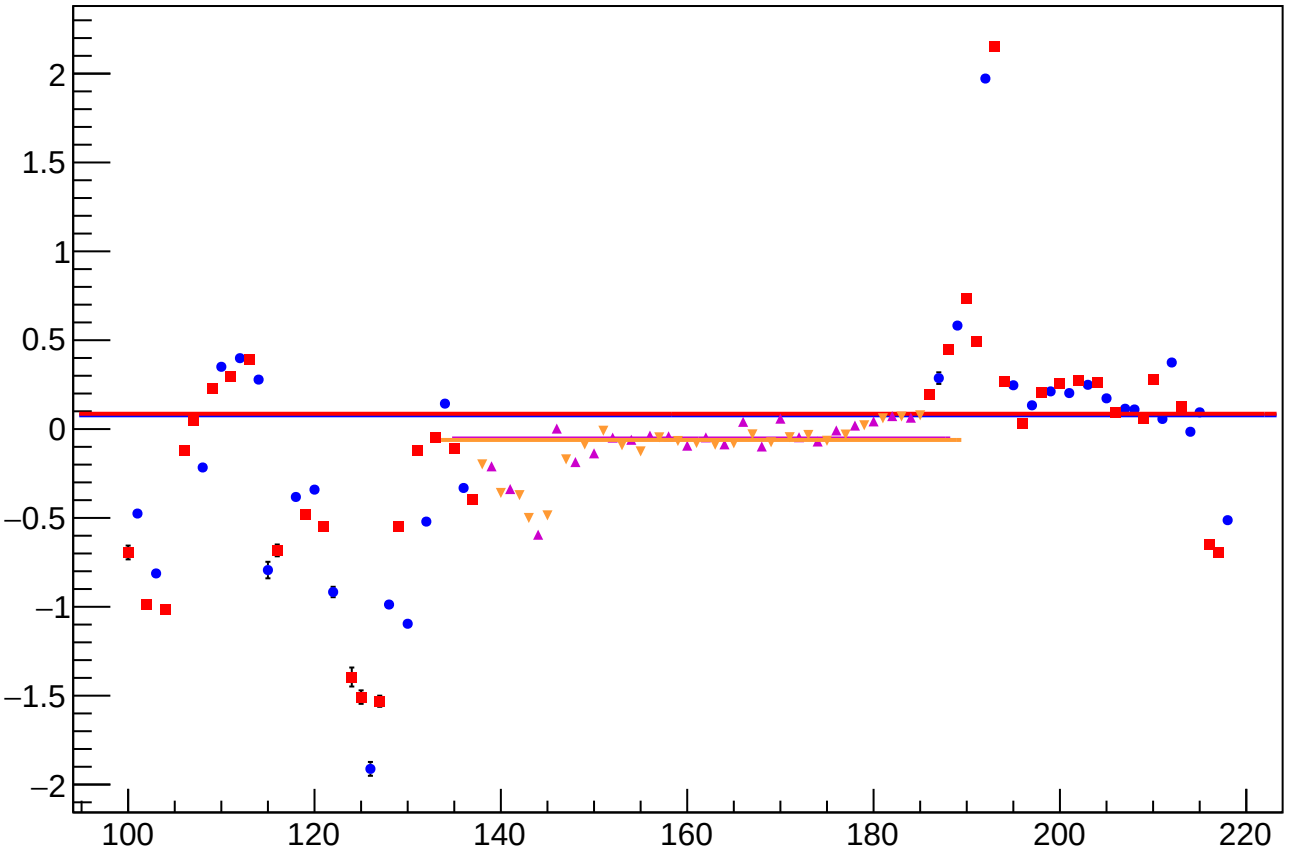
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.757+/-0.035 χ^2/NDF: 13491.6/67

In: -0.981+/-0.029 χ^2/NDF:14725.5/54

Out: -0.991+/-0.029 χ^2/NDF:12880.2/60

All: -0.986+/-0.020 χ^2/NDF: 27605.7/115



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: 0.086+/-0.002 χ^2/NDF: 37837.6/35

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

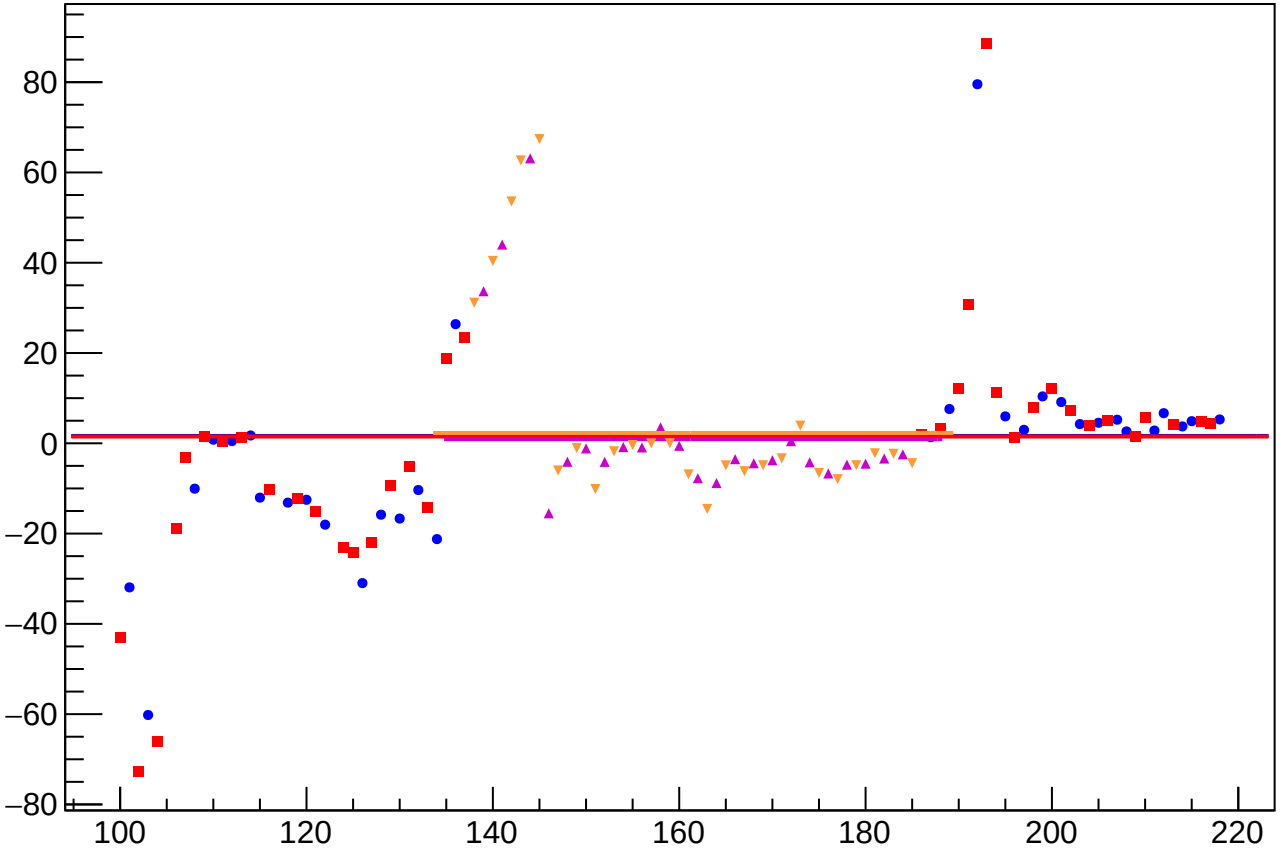
Right: 0.082+/-0.002 χ^2/NDF: 73515.7/67

In: -0.013+/-0.001 χ^2/NDF:43020.1/54

Out: -0.011+/-0.001 χ^2/NDF:46505.0/60

All: -0.012+/-0.001 χ^2/NDF: 89526.0/115

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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: 1.503+/-0.032 χ^2/NDF: 123051.7/35

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

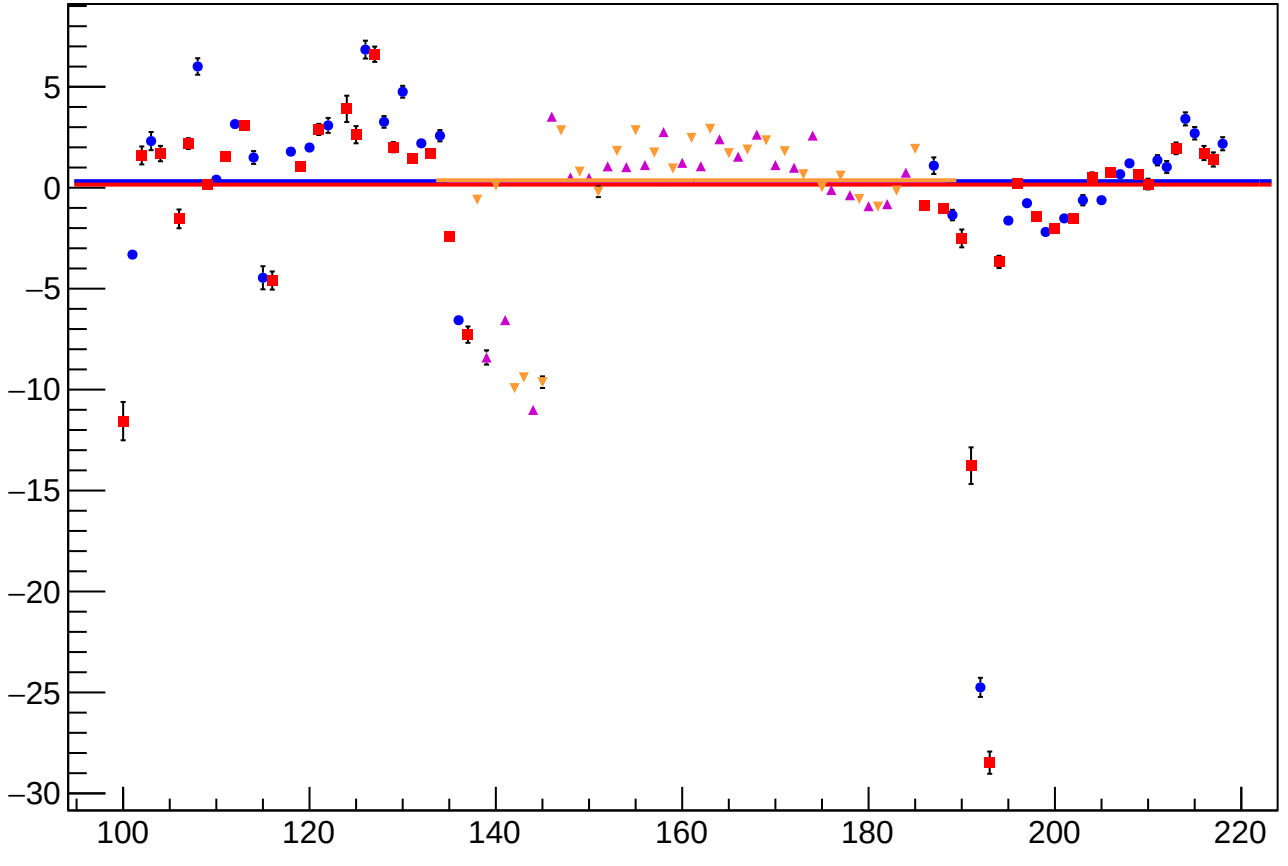
Right: 1.559+/-0.023 χ^2/NDF: 245499.6/67

In: 1.321+/-0.026 χ^2/NDF:255196.9/54

Out: 1.806+/-0.025 χ^2/NDF:300476.7/60

All: 1.575+/-0.018 χ^2/NDF: 555855.0/115

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 0.154+/-0.042 χ^2/NDF: 5329.5/35

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

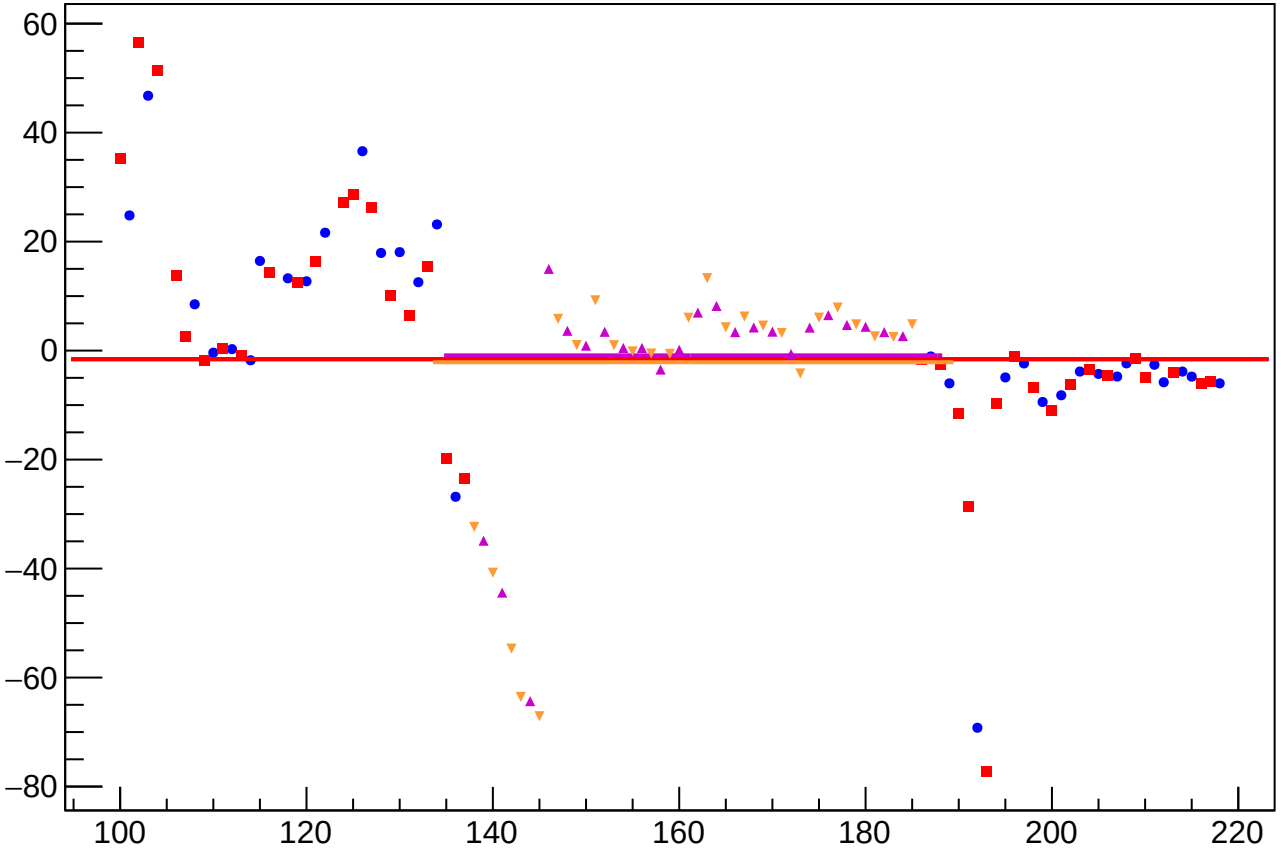
Right: 0.236+/-0.030 χ^2/NDF: 11535.4/67

In: 0.333+/-0.026 χ^2/NDF:13292.4/54

Out: 0.287+/-0.026 χ^2/NDF:12413.4/60

All: 0.310+/-0.018 χ^2/NDF: 25707.4/115

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: -1.553+/-0.034 χ^2/NDF: 121368.8/35

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

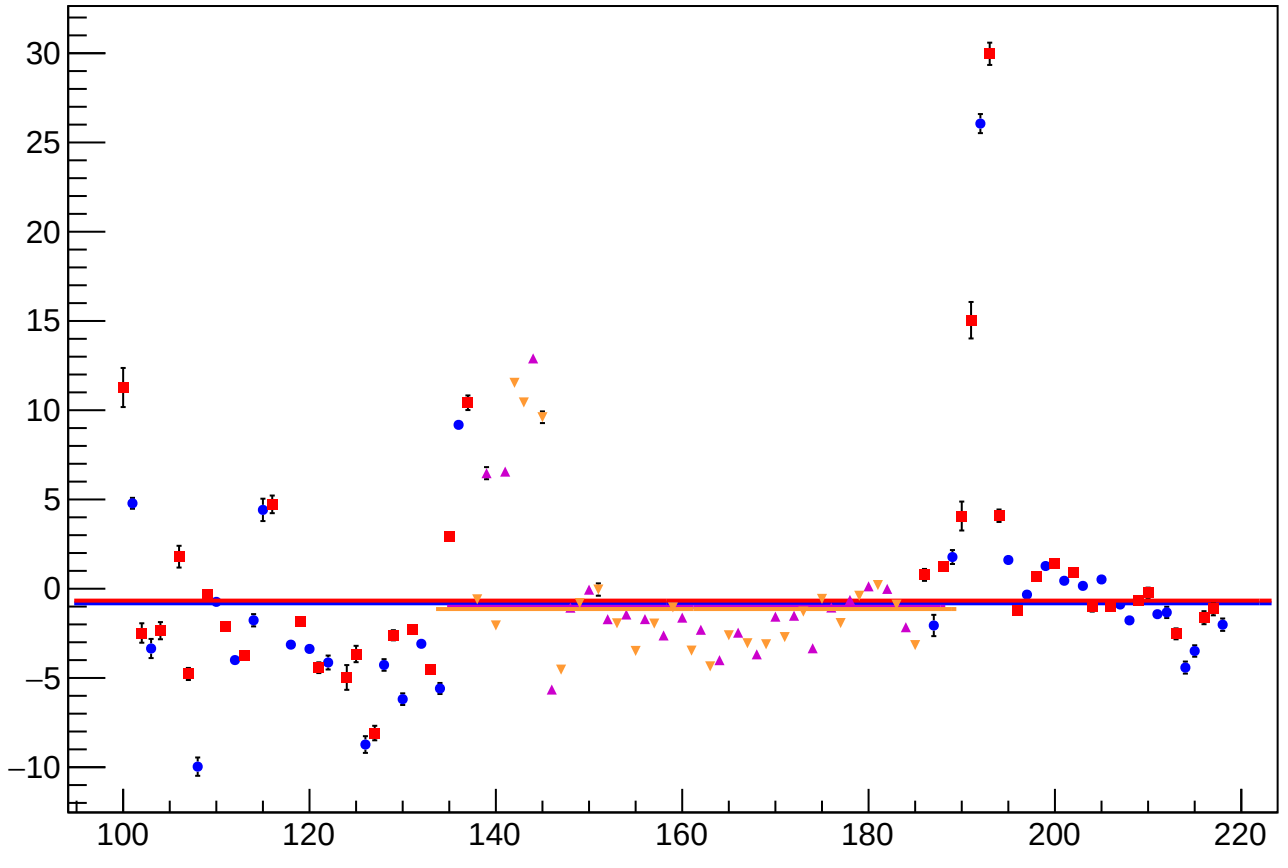
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: -1.575+/-0.024 χ^2/NDF: 242151.4/67

In: -1.270+/-0.026 χ^2/NDF:250232.0/54

Out: -1.791+/-0.026 χ^2/NDF:292957.9/60

All: -1.537+/-0.018 χ^2/NDF: 543388.4/115



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: -0.666+/-0.048 χ^2/NDF: 5820.3/35

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

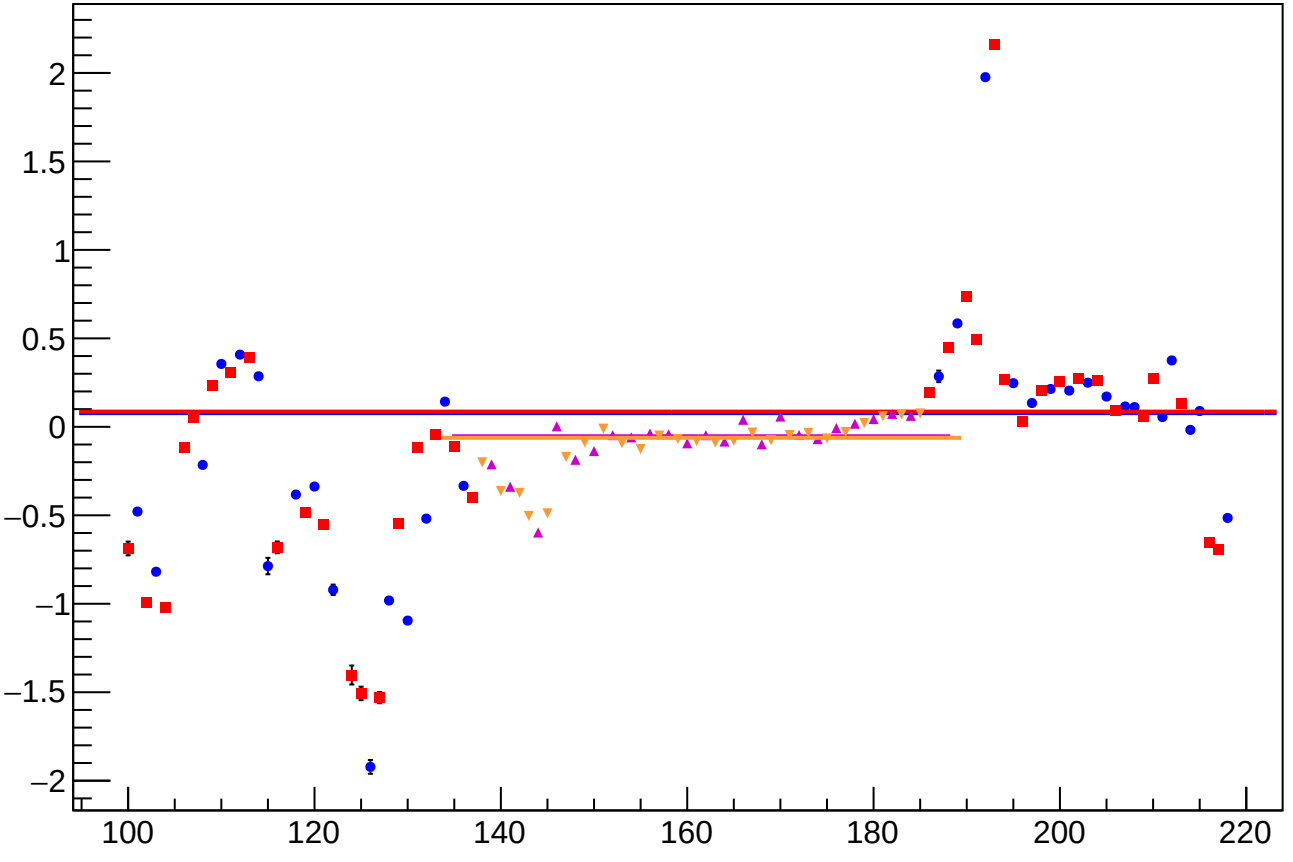
Right: -0.739+/-0.035 χ^2/NDF: 13502.1/67

In: -0.950+/-0.029 χ^2/NDF:14714.6/54

Out: -0.969+/-0.029 χ^2/NDF:12904.2/60

All: -0.960+/-0.020 χ^2/NDF: 27619.0/115

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: 0.086+/-0.002 χ^2/NDF: 37772.6/35

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

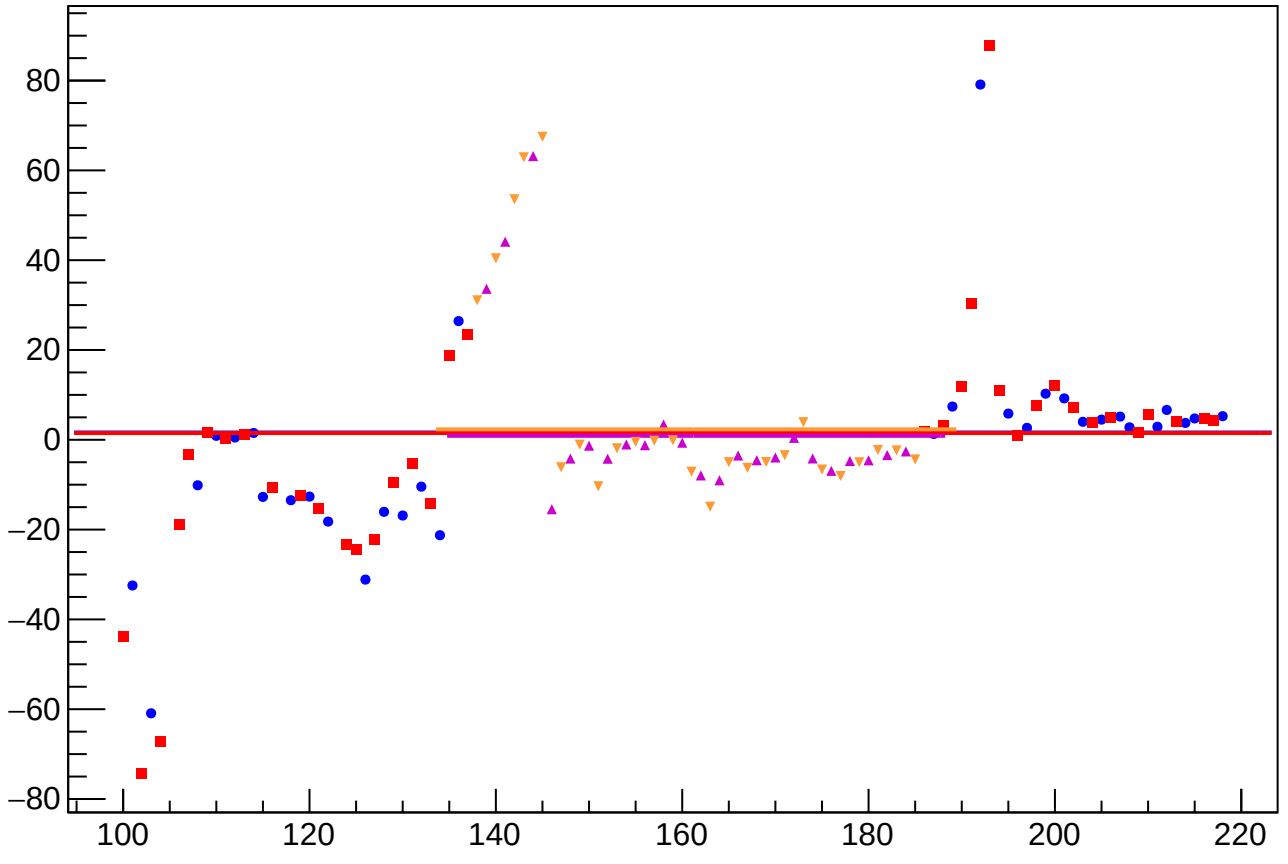
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.082+/-0.002 χ^2/NDF: 73437.1/67

In: -0.014+/-0.001 χ^2/NDF:42975.6/54

Out: -0.012+/-0.001 χ^2/NDF:46447.9/60

All: -0.013+/-0.001 χ^2/NDF: 89424.1/115



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: 1.505+/-0.032 χ^2/NDF: 121400.2/35

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

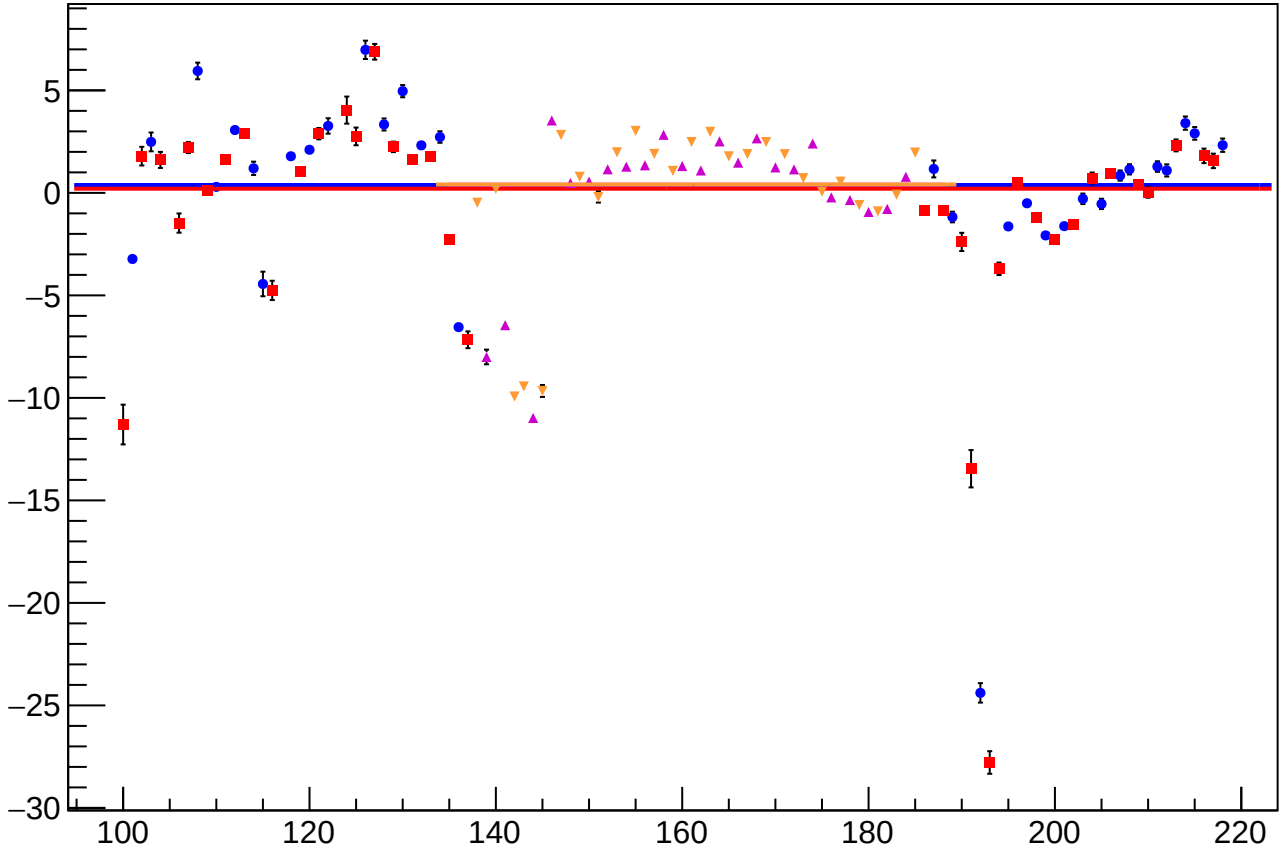
Right: 1.557+/-0.024 χ^2/NDF: 241947.8/67

In: 1.310+/-0.026 χ^2/NDF:251145.6/54

Out: 1.817+/-0.025 χ^2/NDF:296297.6/60

All: 1.575+/-0.018 χ^2/NDF: 547635.0/115

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 0.203+/-0.043 χ^2/NDF: 5152.0/35

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

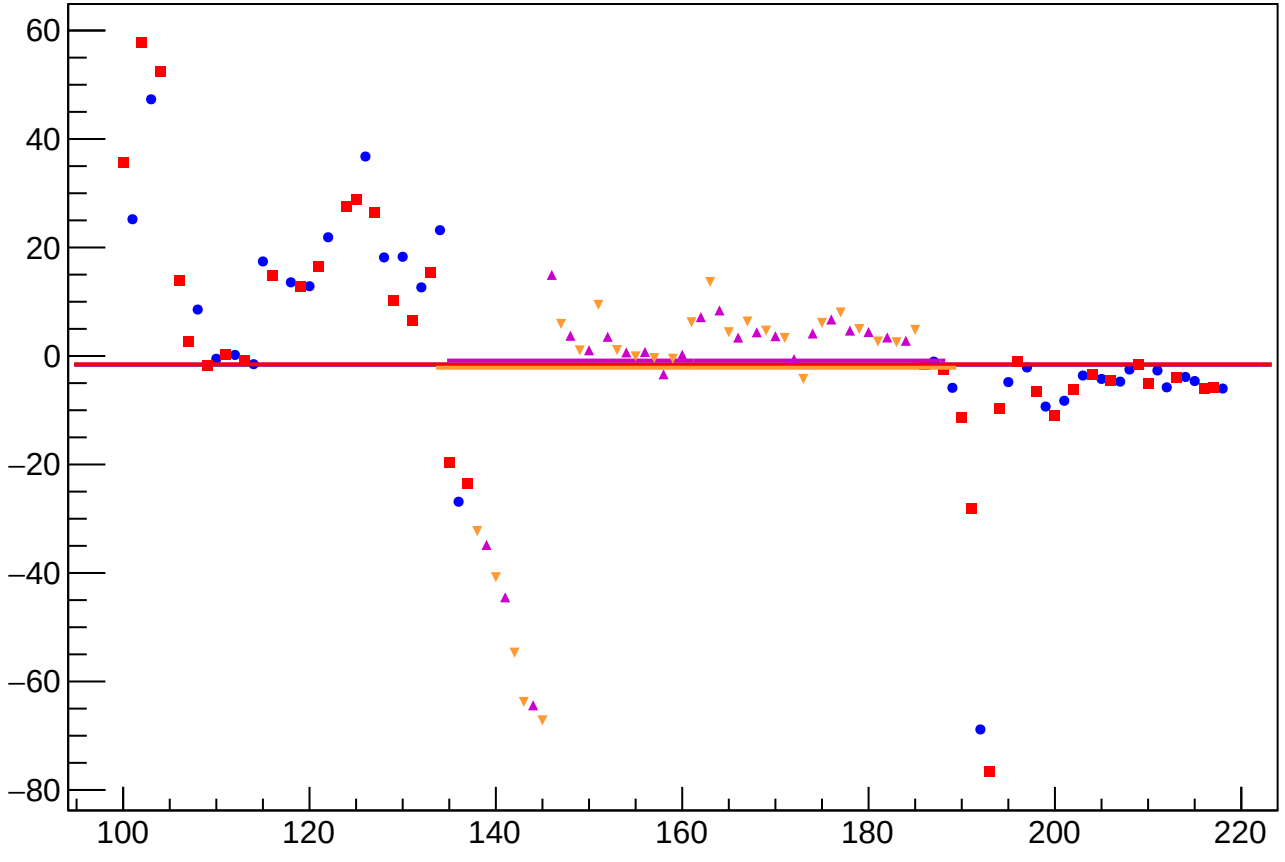
Right: 0.289+/-0.031 χ^2/NDF: 11198.0/67

In: 0.392+/-0.026 χ^2/NDF:12969.5/54

Out: 0.331+/-0.026 χ^2/NDF:12214.4/60

All: 0.362+/-0.019 χ^2/NDF: 25186.6/115

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -1.555+/-0.034 χ^2/NDF: 119724.3/35

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

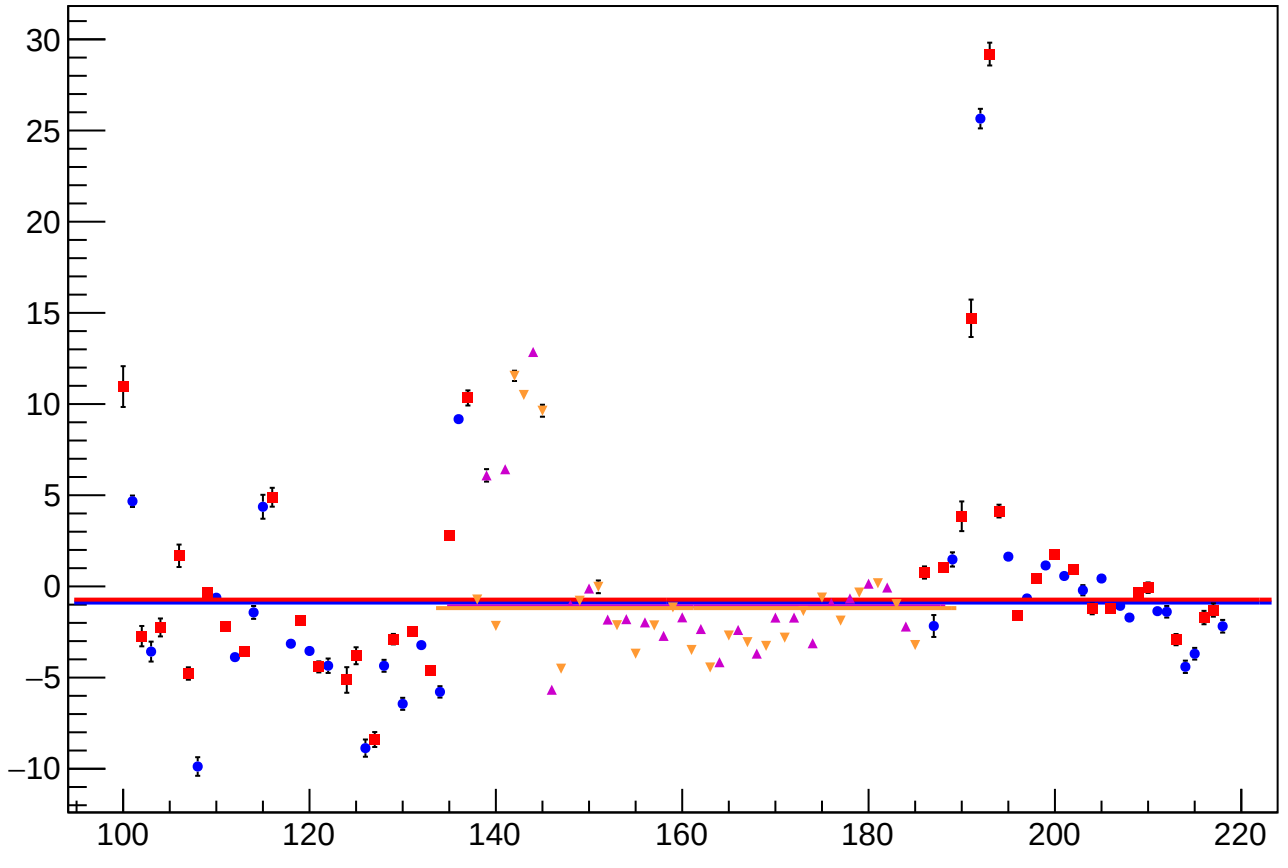
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -1.574+/-0.025 χ^2/NDF: 238653.3/67

In: -1.259+/-0.027 χ^2/NDF:246257.7/54

Out: -1.801+/-0.026 χ^2/NDF:288845.3/60

All: -1.538+/-0.019 χ^2/NDF: 535312.5/115



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: -0.724+/-0.049 χ^2/NDF: 5654.0/35

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

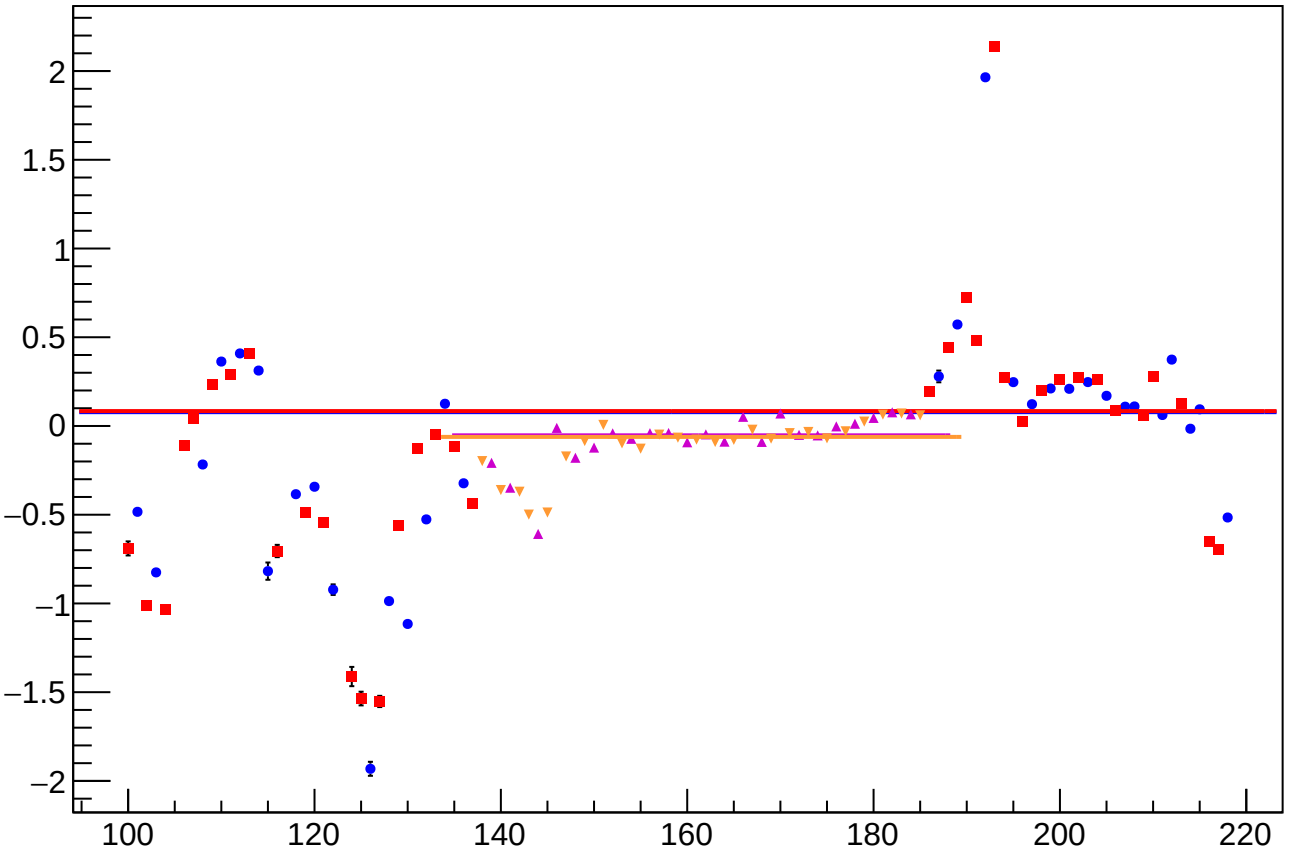
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.802+/-0.035 χ^2/NDF: 13173.0/67

In: -1.023+/-0.029 χ^2/NDF:14365.3/54

Out: -1.022+/-0.030 χ^2/NDF:12707.4/60

All: -1.022+/-0.021 χ^2/NDF: 27072.7/115



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: 0.084+/-0.002 χ^2/NDF: 37293.2/35

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

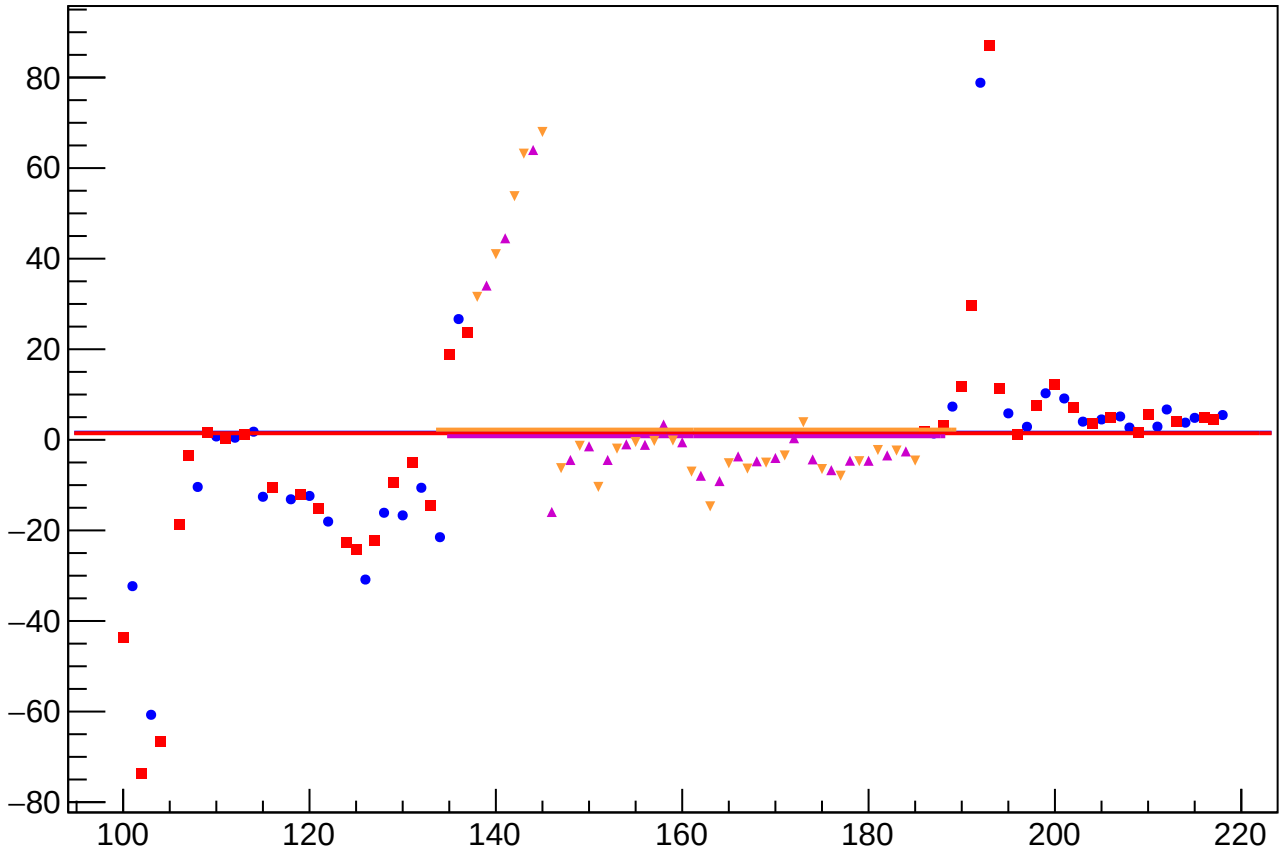
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.081+/-0.002 χ^2/NDF: 72210.8/67

In: -0.012+/-0.001 χ^2/NDF:42209.2/54

Out: -0.012+/-0.001 χ^2/NDF:45620.7/60

All: -0.012+/-0.001 χ^2/NDF: 87830.0/115



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: 1.460+/-0.033 χ^2/NDF: 119291.3/35

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

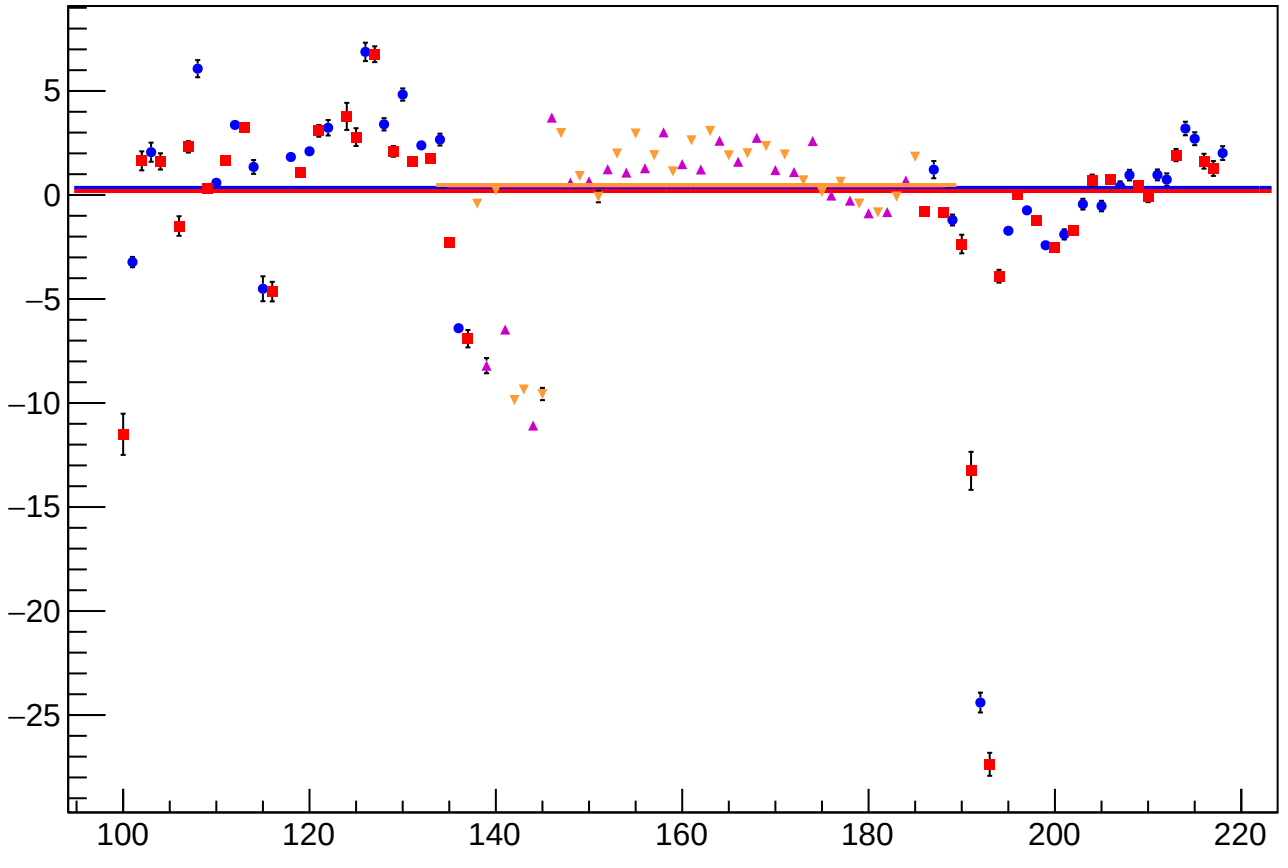
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: 1.514+/-0.024 χ^2/NDF: 238260.0/67

In: 1.245+/-0.027 χ^2/NDF:248000.3/54

Out: 1.765+/-0.026 χ^2/NDF:291189.0/60

All: 1.516+/-0.019 χ^2/NDF: 539384.7/115



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: 0.190+/-0.043 χ^2/NDF: 5038.4/35

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

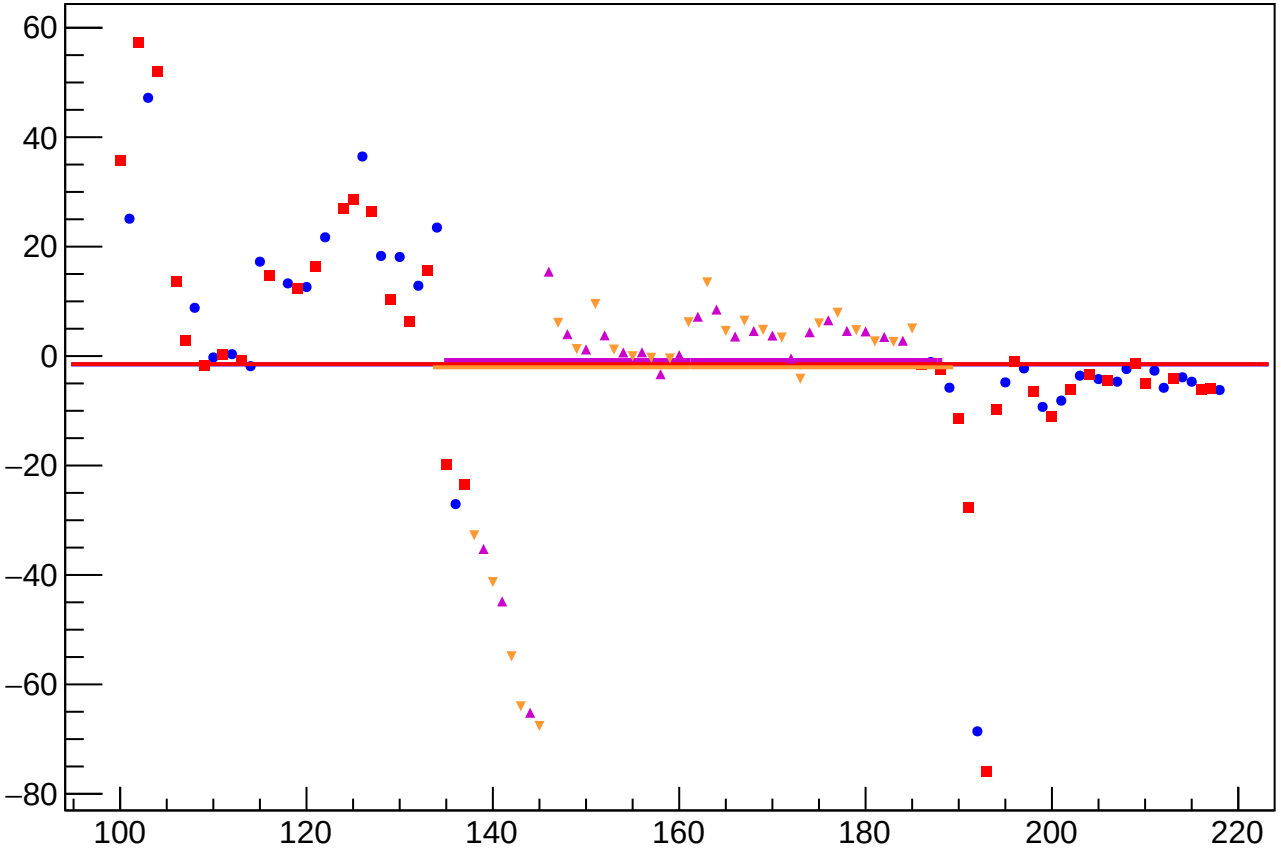
Right: 0.262+/-0.031 χ^2/NDF: 11015.6/67

In: 0.406+/-0.026 χ^2/NDF:12868.2/54

Out: 0.369+/-0.027 χ^2/NDF:11874.3/60

All: 0.388+/-0.019 χ^2/NDF: 24743.4/115

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -1.472+/-0.034 χ^2/NDF: 117650.9/35

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

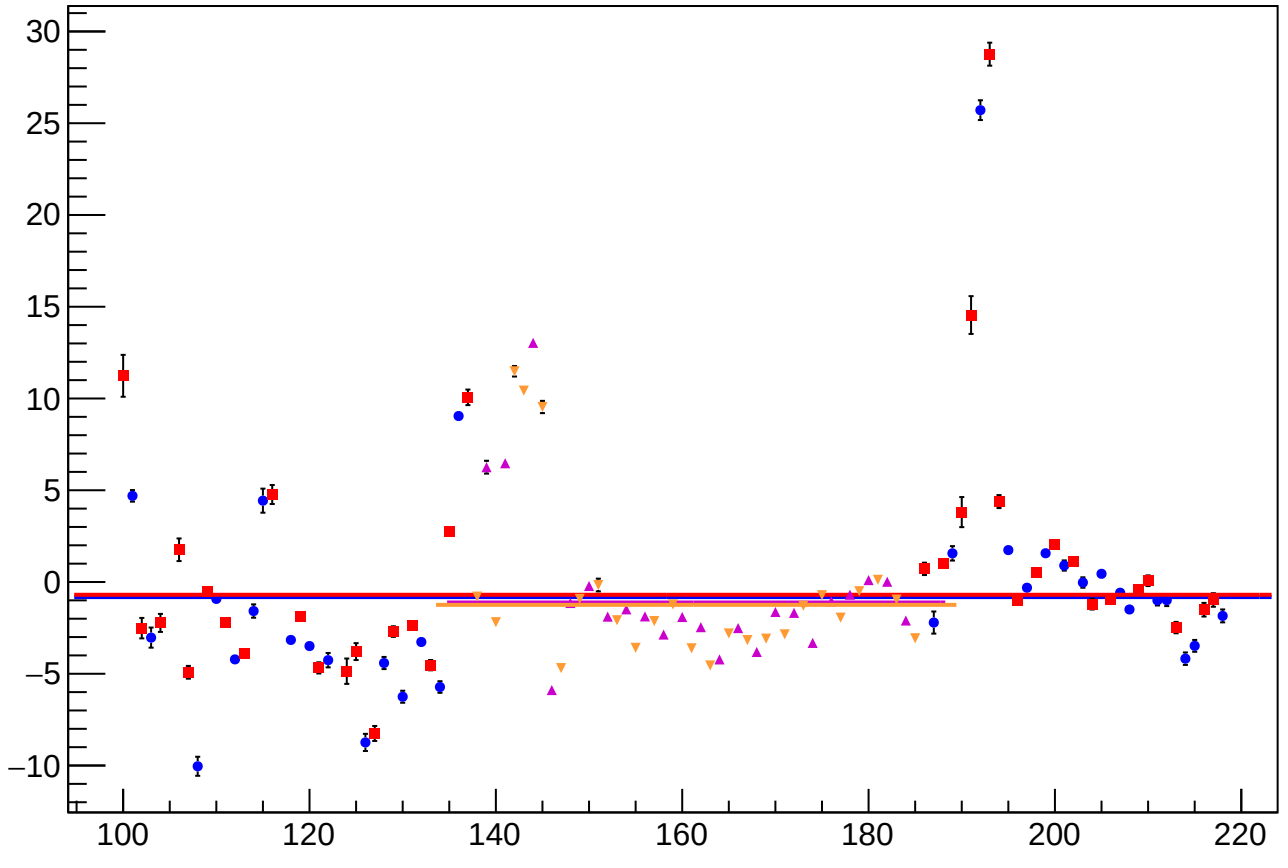
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: -1.495+/-0.025 χ^2/NDF: 234963.9/67

In: -1.163+/-0.027 χ^2/NDF:243059.1/54

Out: -1.708+/-0.026 χ^2/NDF:283776.3/60

All: -1.442+/-0.019 χ^2/NDF: 527041.8/115



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: -0.695+/-0.050 χ^2/NDF: 5503.0/35

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

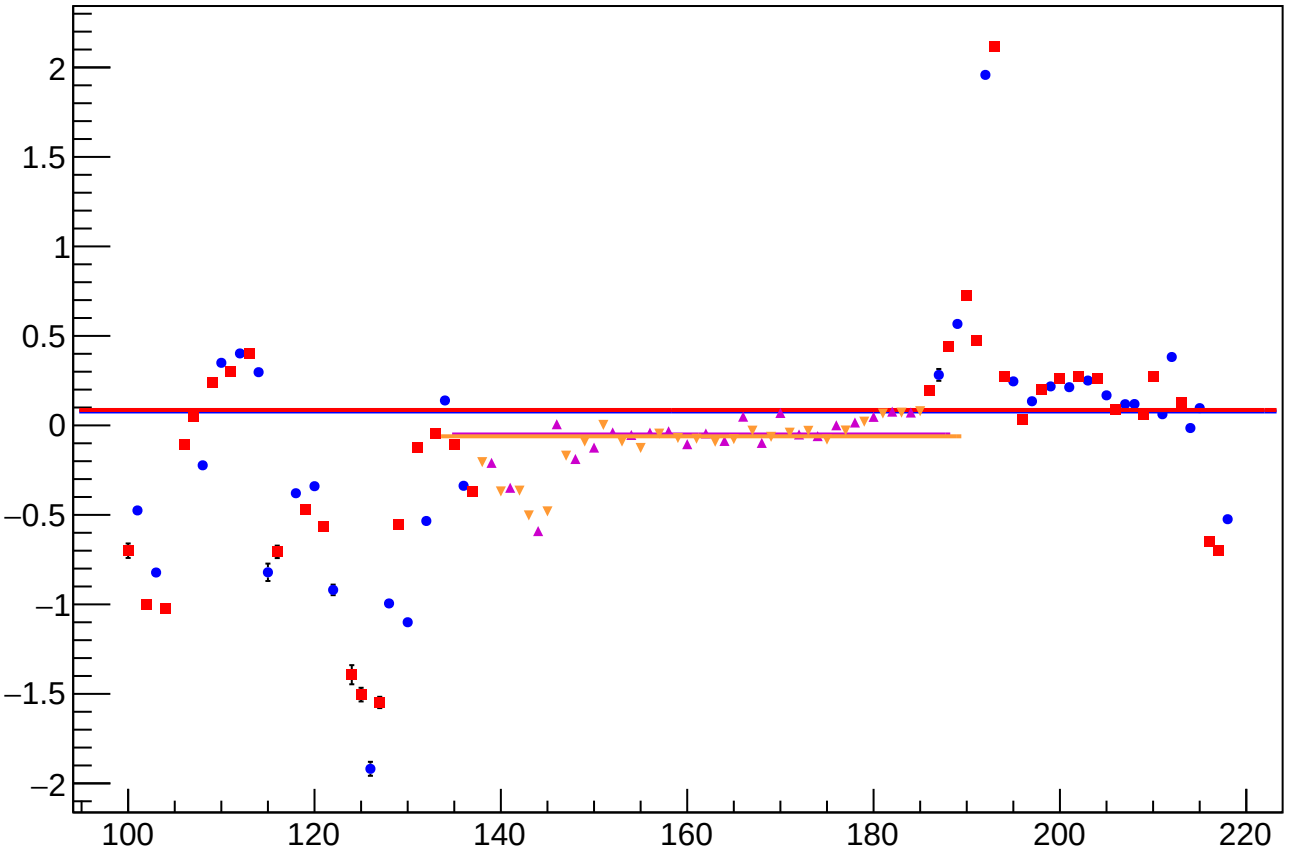
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.756+/-0.036 χ^2/NDF: 12873.8/67

In: -1.020+/-0.029 χ^2/NDF:14230.1/54

Out: -1.047+/-0.030 χ^2/NDF:12349.5/60

All: -1.033+/-0.021 χ^2/NDF: 26580.0/115



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: 0.086+/-0.002 χ^2/NDF: 36311.8/35

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

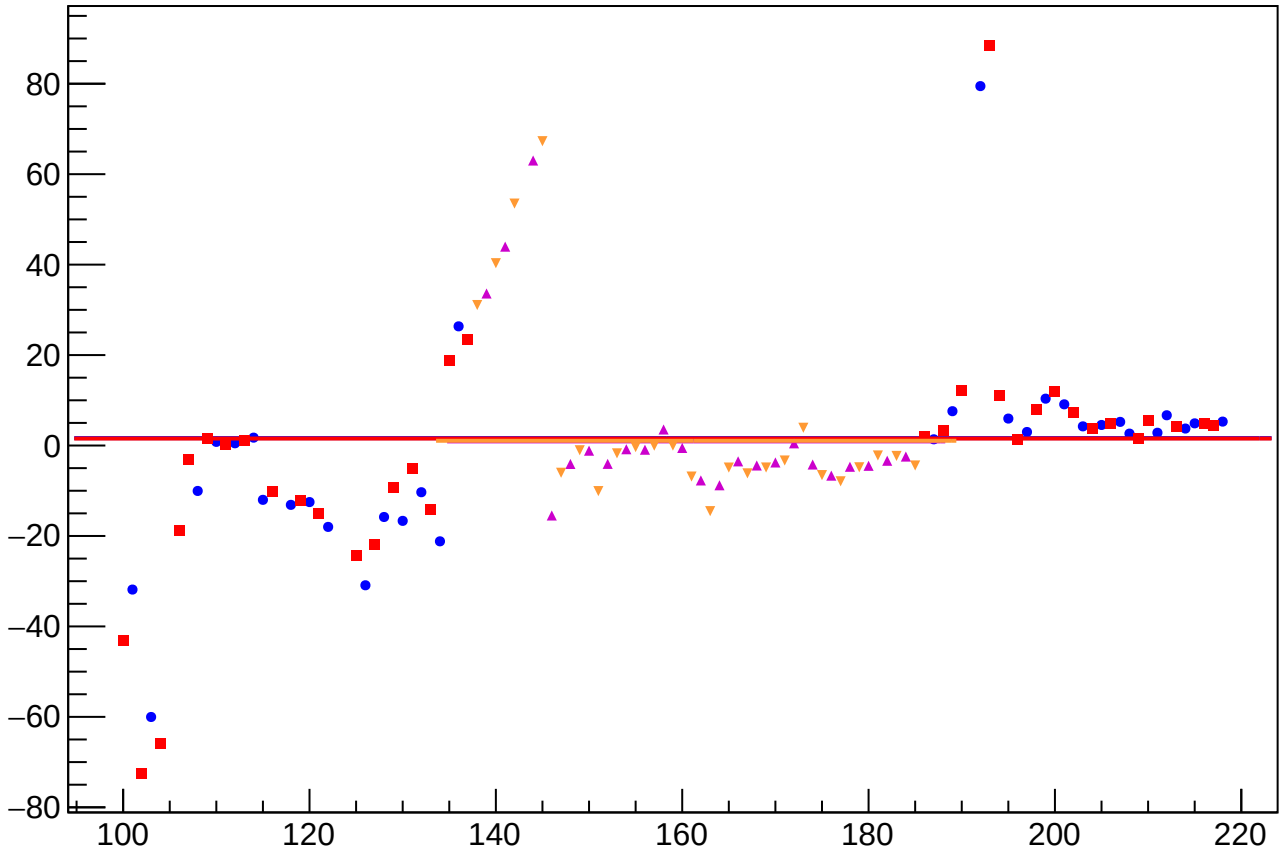
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: 0.082+/-0.002 χ^2/NDF: 70913.5/67

In: -0.011+/-0.001 χ^2/NDF:41612.3/54

Out: -0.011+/-0.001 χ^2/NDF:44543.0/60

All: -0.011+/-0.001 χ^2/NDF: 86155.3/115



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: 1.547+/-0.032 χ^2/NDF: 120328.8/33

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

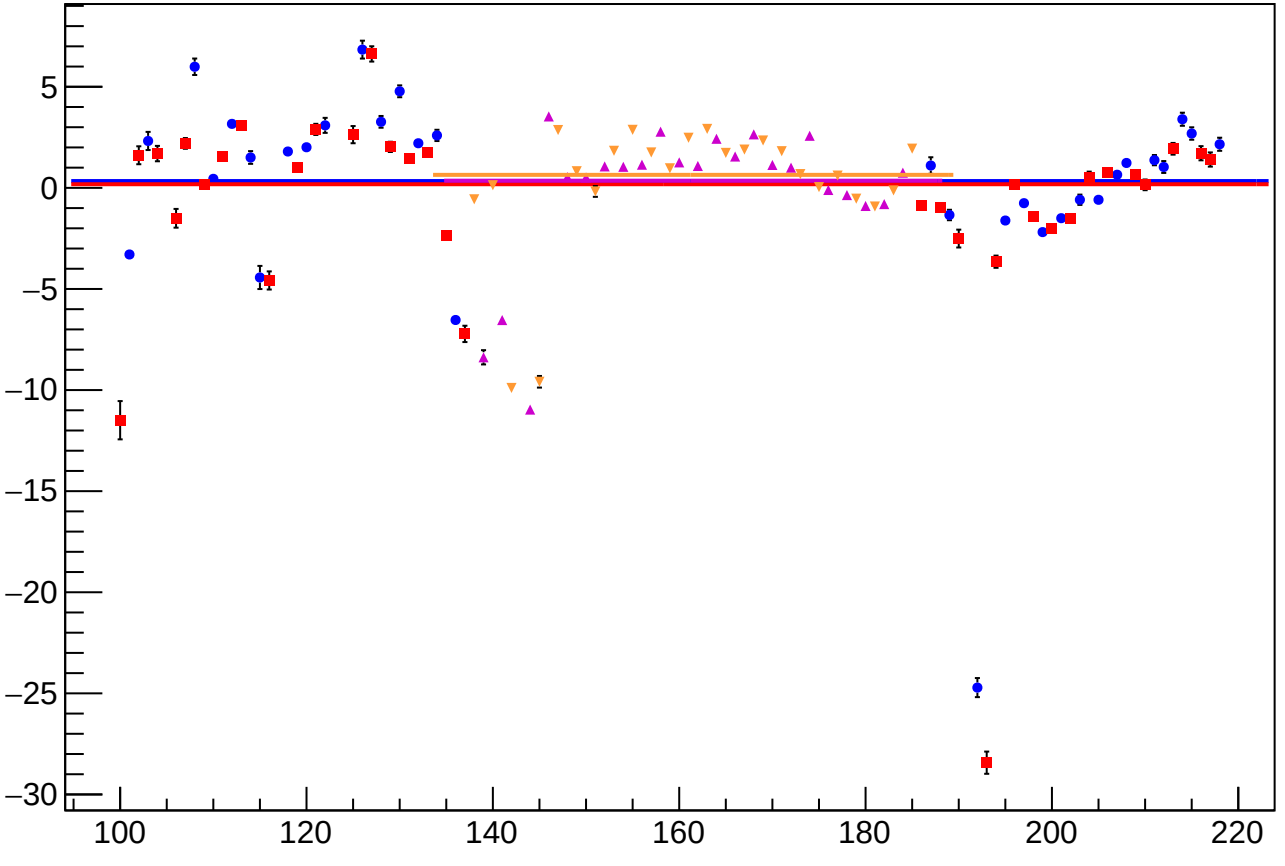
Right: 1.588+/-0.023 χ^2/NDF: 242991.0/65

In: 1.328+/-0.026 χ^2/NDF:255655.6/54

Out: 1.361+/-0.025 χ^2/NDF:251451.9/57

All: 1.345+/-0.018 χ^2/NDF: 507108.4/112

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: 0.180+/-0.042 χ^2/NDF: 5069.7/33

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

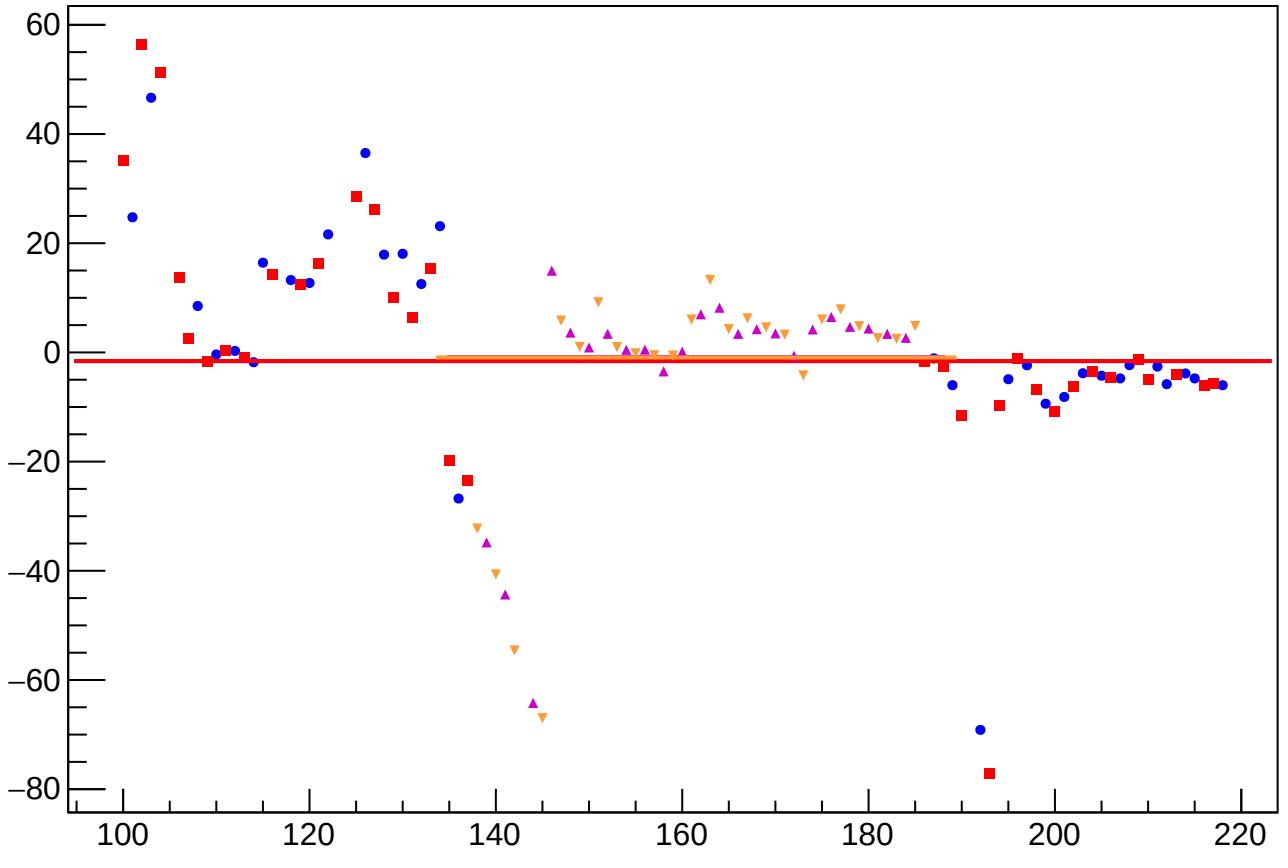
Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

Right: 0.256+/-0.030 χ^2/NDF: 11287.4/65

In: 0.349+/-0.025 χ^2/NDF:13328.1/54

Out: 0.466+/-0.026 χ^2/NDF:9855.5/57

All: 0.406+/-0.018 χ^2/NDF: 23193.9/112



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: -1.572+/-0.033 χ^2/NDF: 118767.3/33

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

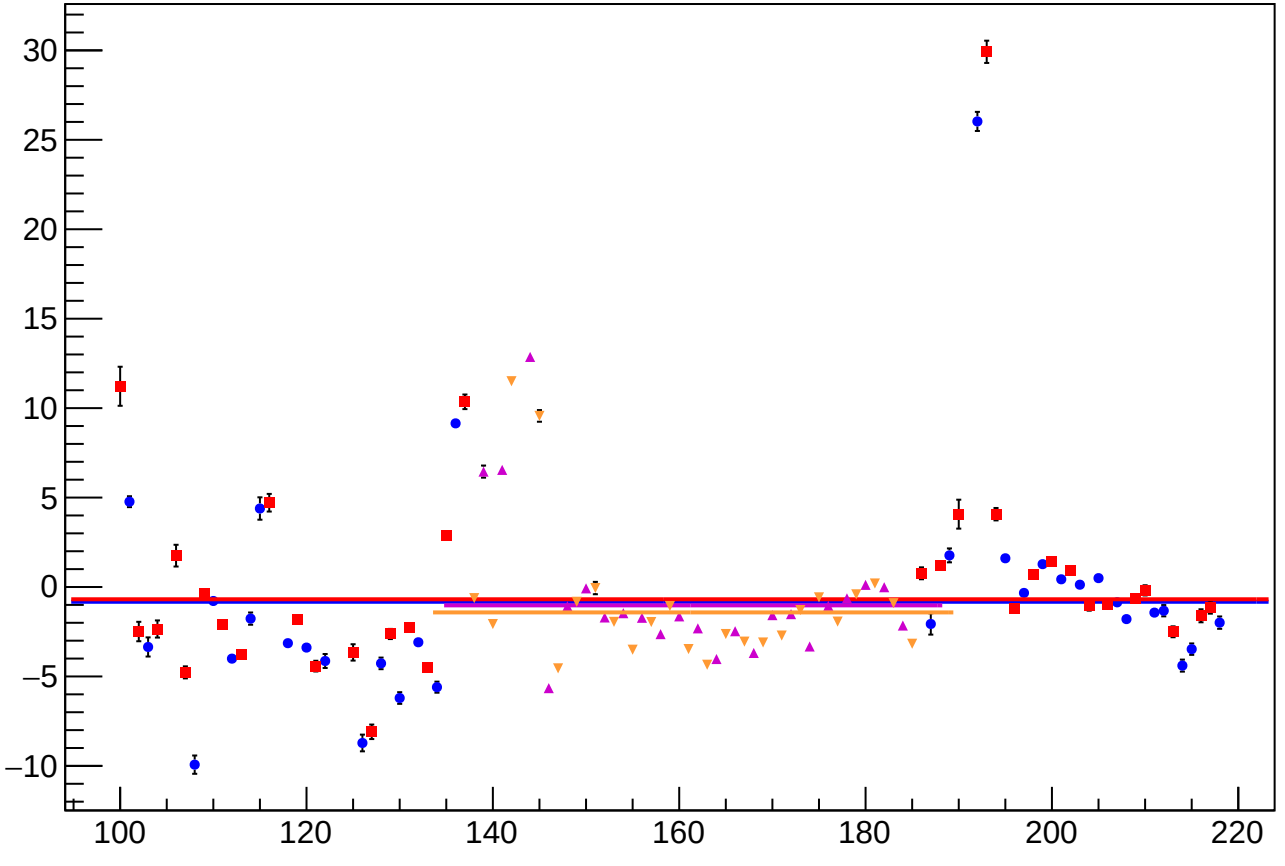
Right: -1.585+/-0.024 χ^2/NDF: 239757.0/65

In: -1.266+/-0.026 χ^2/NDF:250669.5/54

Out: -1.311+/-0.026 χ^2/NDF:245295.6/57

All: -1.289+/-0.018 χ^2/NDF: 495966.6/112

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 5553.3/33

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

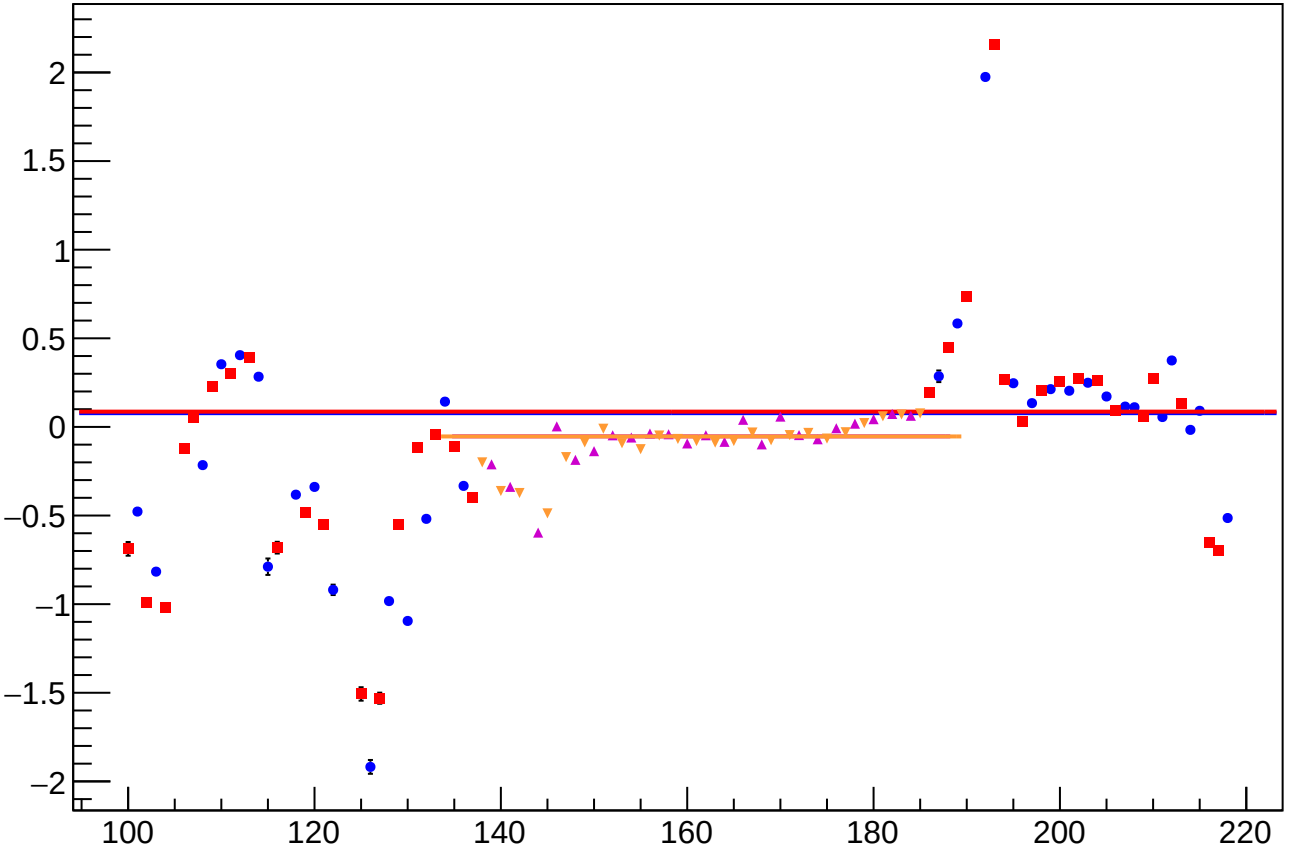
Right: -0.753+/-0.035 χ^2/NDF: 13249.1/65

In: -0.961+/-0.029 χ^2/NDF:14749.8/54

Out: -1.153+/-0.029 χ^2/NDF:10341.6/57

All: -1.055+/-0.020 χ^2/NDF: 25113.5/112

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.086+/-0.002 χ^2/NDF: 36879.8/33

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

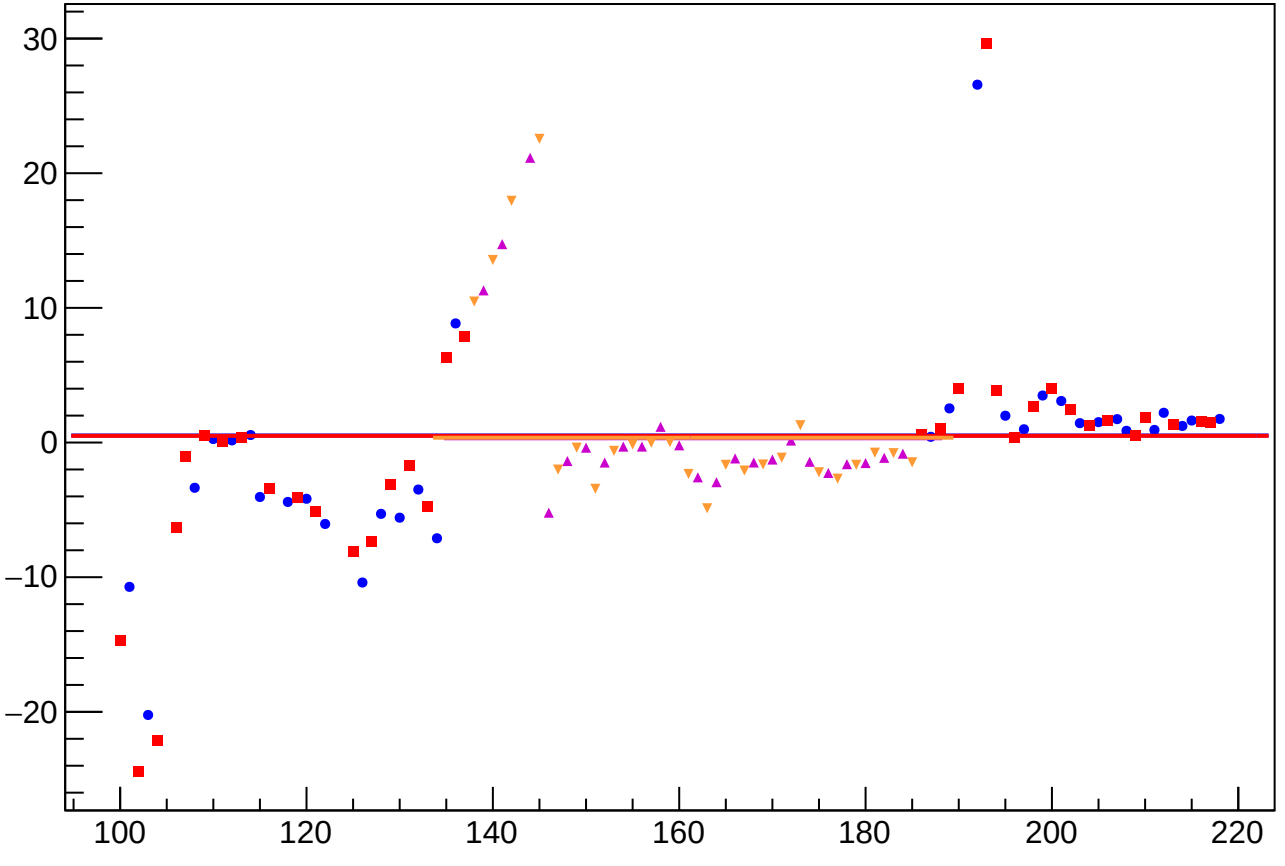
Right: 0.082+/-0.002 χ^2/NDF: 72611.5/65

In: -0.013+/-0.001 χ^2/NDF:43081.1/54

Out: -0.006+/-0.001 χ^2/NDF:43833.1/57

All: -0.010+/-0.001 χ^2/NDF: 86930.2/112

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: 0.498+/-0.011 χ^2/NDF: 118405.4/33

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

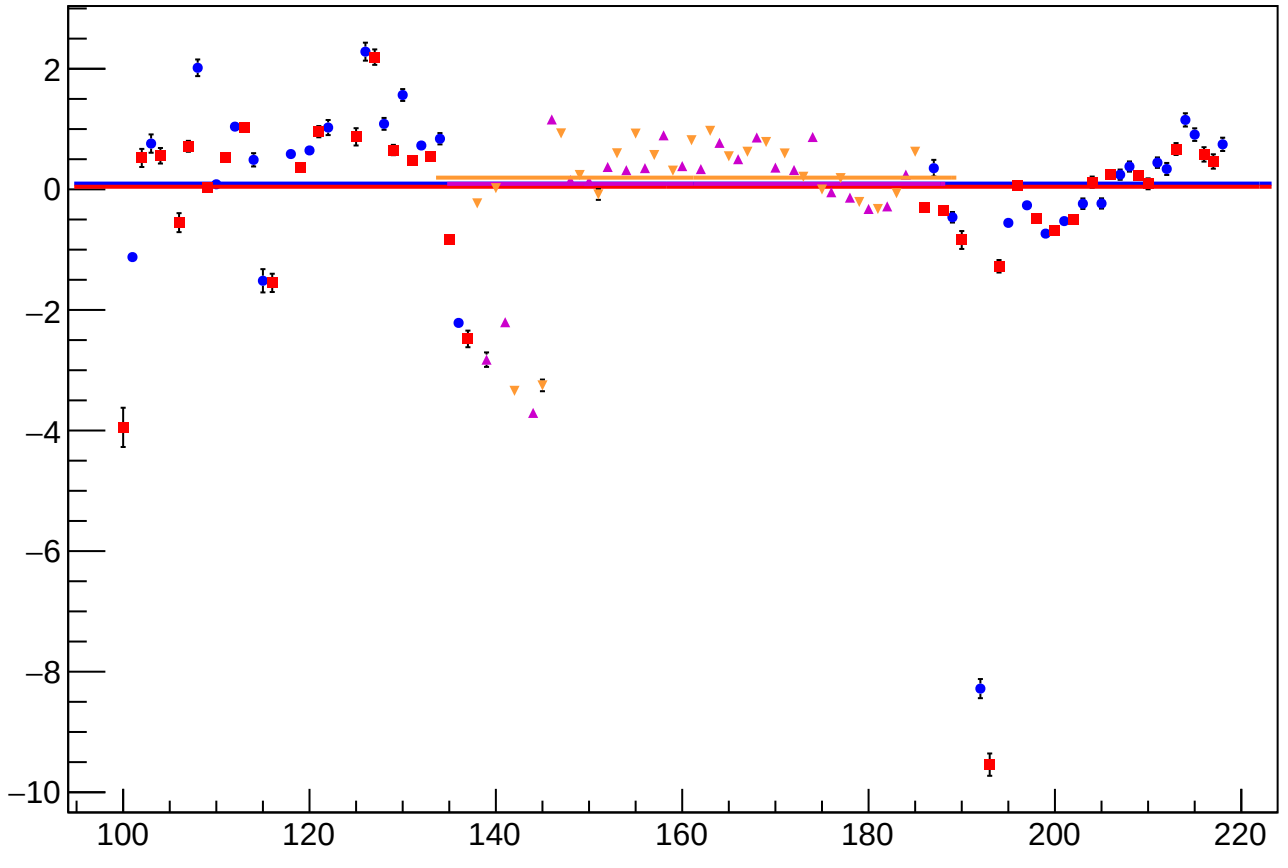
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: 0.510+/-0.008 χ^2/NDF: 238937.9/65

In: 0.436+/-0.009 χ^2/NDF:250886.1/54

Out: 0.445+/-0.009 χ^2/NDF:247297.5/57

All: 0.441+/-0.006 χ^2/NDF: 498184.0/112



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: 0.043+/-0.014 χ^2/NDF: 4982.5/33

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

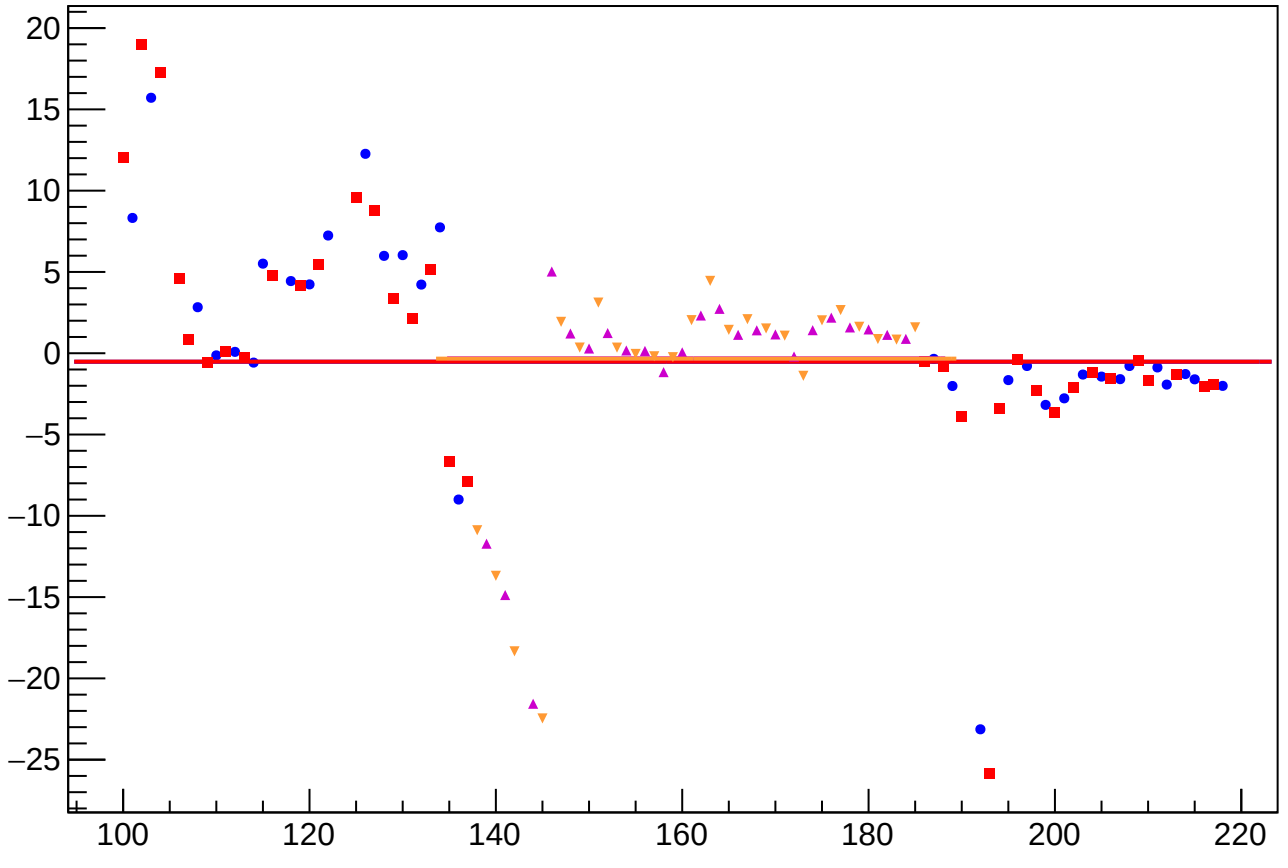
Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

Right: 0.068+/-0.010 χ^2/NDF: 11080.7/65

In: 0.093+/-0.009 χ^2/NDF:13028.2/54

Out: 0.137+/-0.009 χ^2/NDF:9695.5/57

All: 0.114+/-0.006 χ^2/NDF: 22736.2/112



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: -0.517+/-0.011 χ^2/NDF: 116908.1/33

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

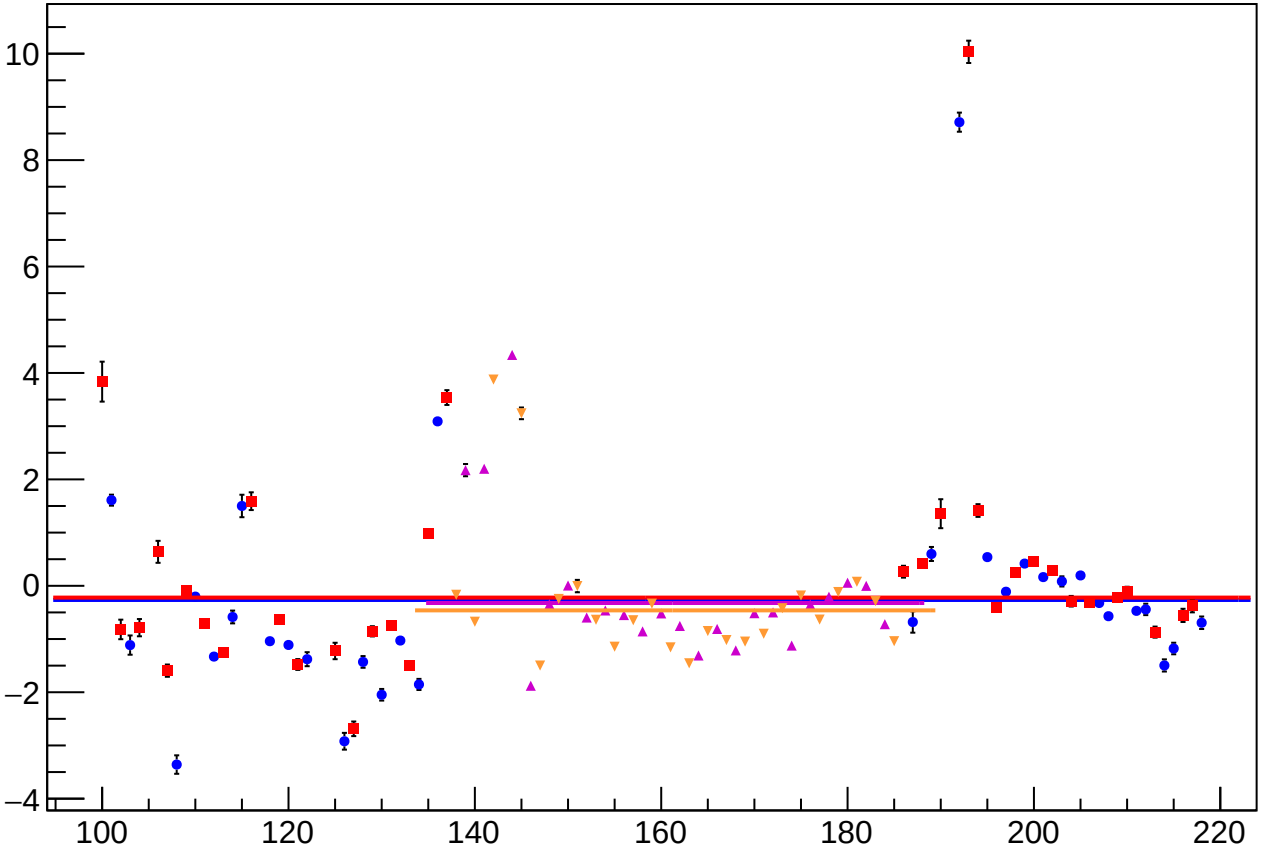
Right: -0.521+/-0.008 χ^2/NDF: 235825.7/65

In: -0.430+/-0.009 χ^2/NDF:246052.3/54

Out: -0.442+/-0.009 χ^2/NDF:241247.3/57

All: -0.436+/-0.006 χ^2/NDF: 487300.6/112

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: -0.221+/-0.017 χ^2/NDF: 5460.4/33

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

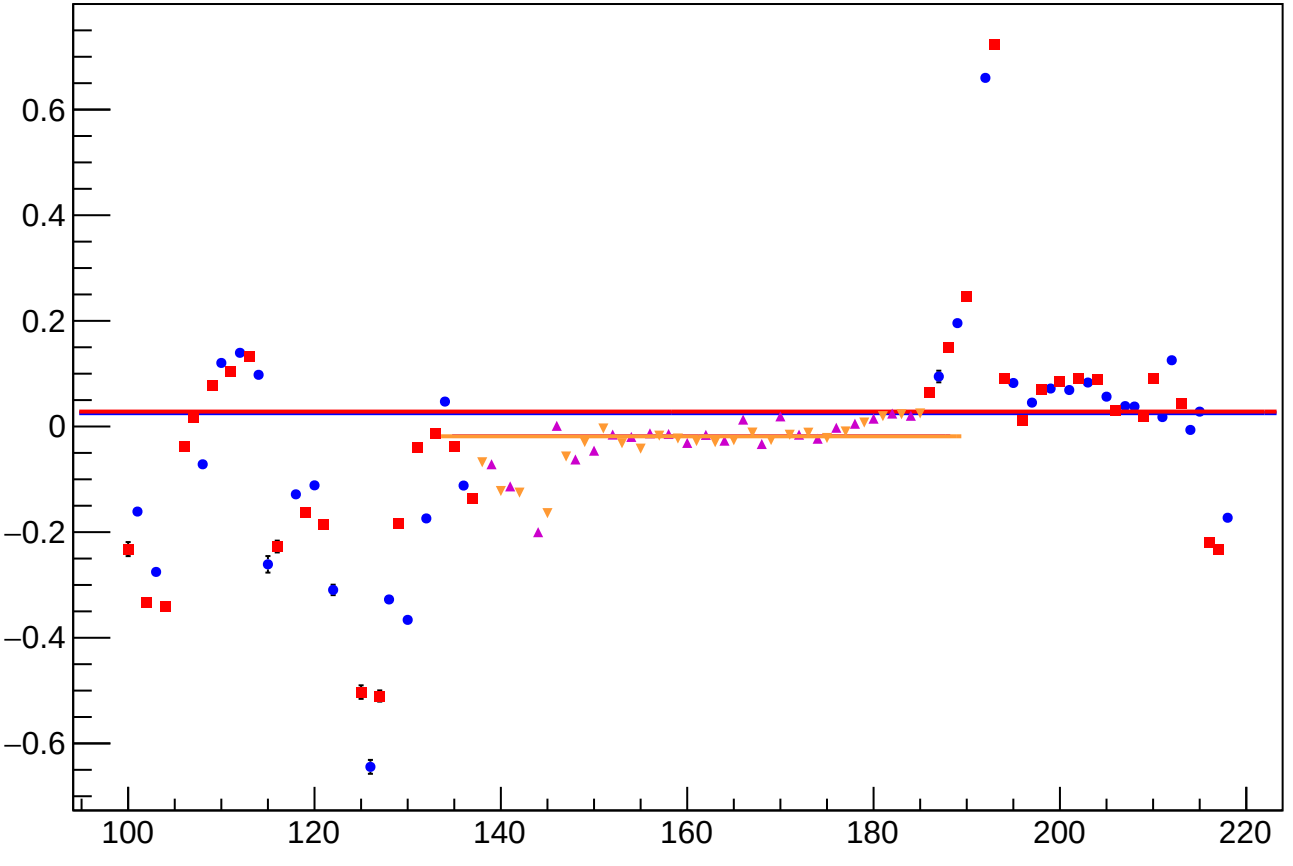
Right: -0.243+/-0.012 χ^2/NDF: 13006.4/65

In: -0.305+/-0.010 χ^2/NDF:14431.7/54

Out: -0.375+/-0.010 χ^2/NDF:10173.5/57

All: -0.339+/-0.007 χ^2/NDF: 24630.4/112

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.028+/-0.001 χ^2/NDF: 36153.5/33

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

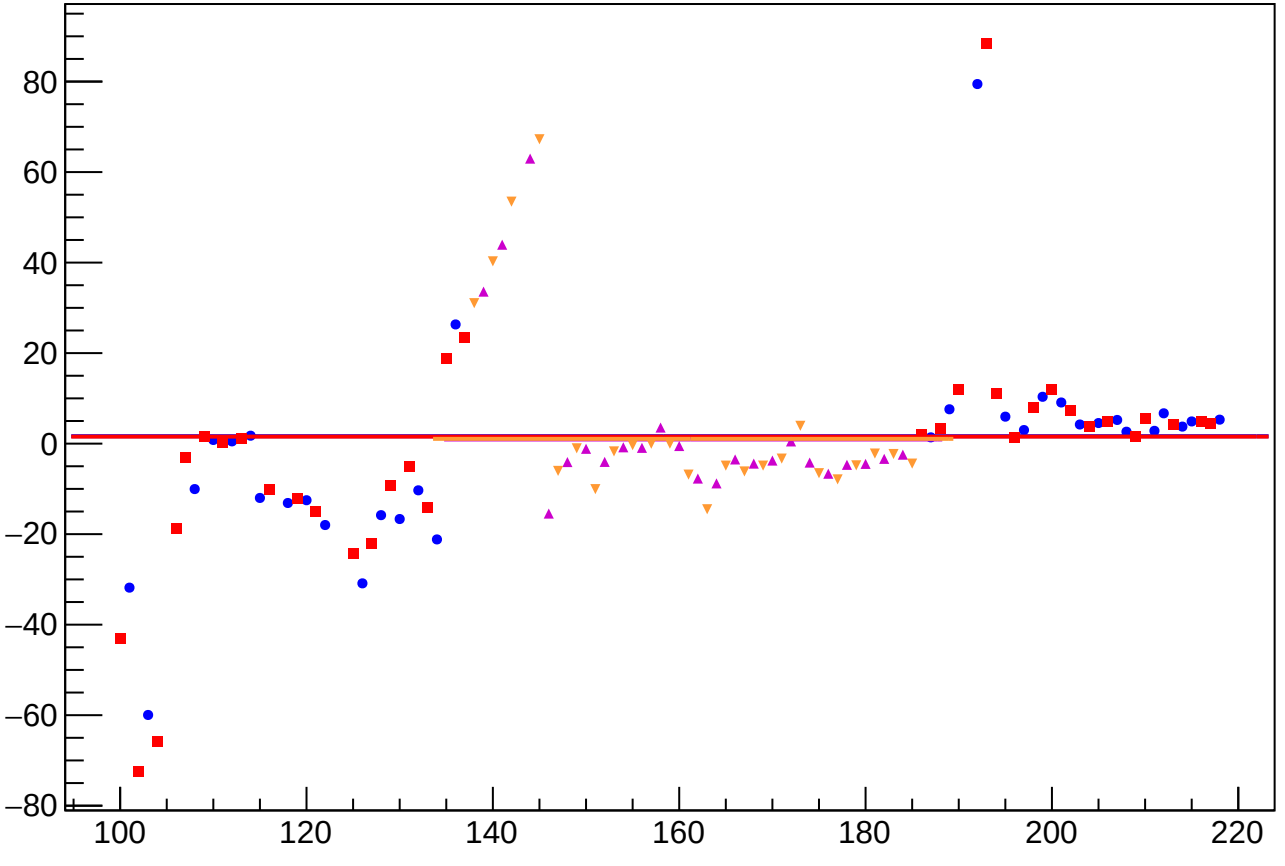
Right: 0.027+/-0.001 χ^2/NDF: 71261.7/65

In: -0.005+/-0.000 χ^2/NDF:42154.6/54

Out: -0.003+/-0.000 χ^2/NDF:42865.3/57

All: -0.004+/-0.000 χ^2/NDF: 85031.6/112

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: 1.552+/-0.032 χ^2/NDF: 120355.6/33

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

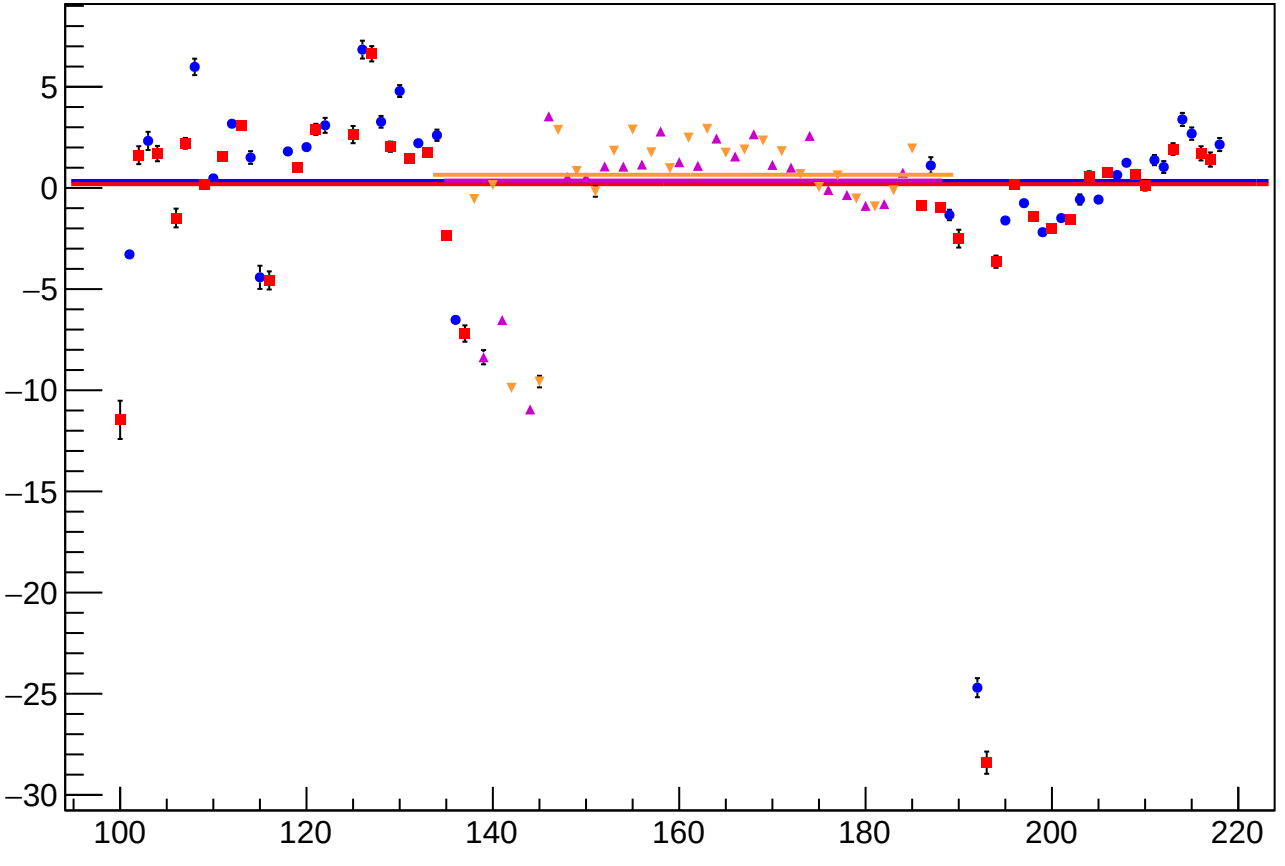
Right: 1.593+/-0.023 χ^2/NDF: 243043.9/65

In: 1.332+/-0.026 χ^2/NDF:255691.8/54

Out: 1.365+/-0.025 χ^2/NDF:251458.8/57

All: 1.349+/-0.018 χ^2/NDF: 507151.4/112

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: 0.186+/-0.042 χ^2/NDF: 5070.5/33

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

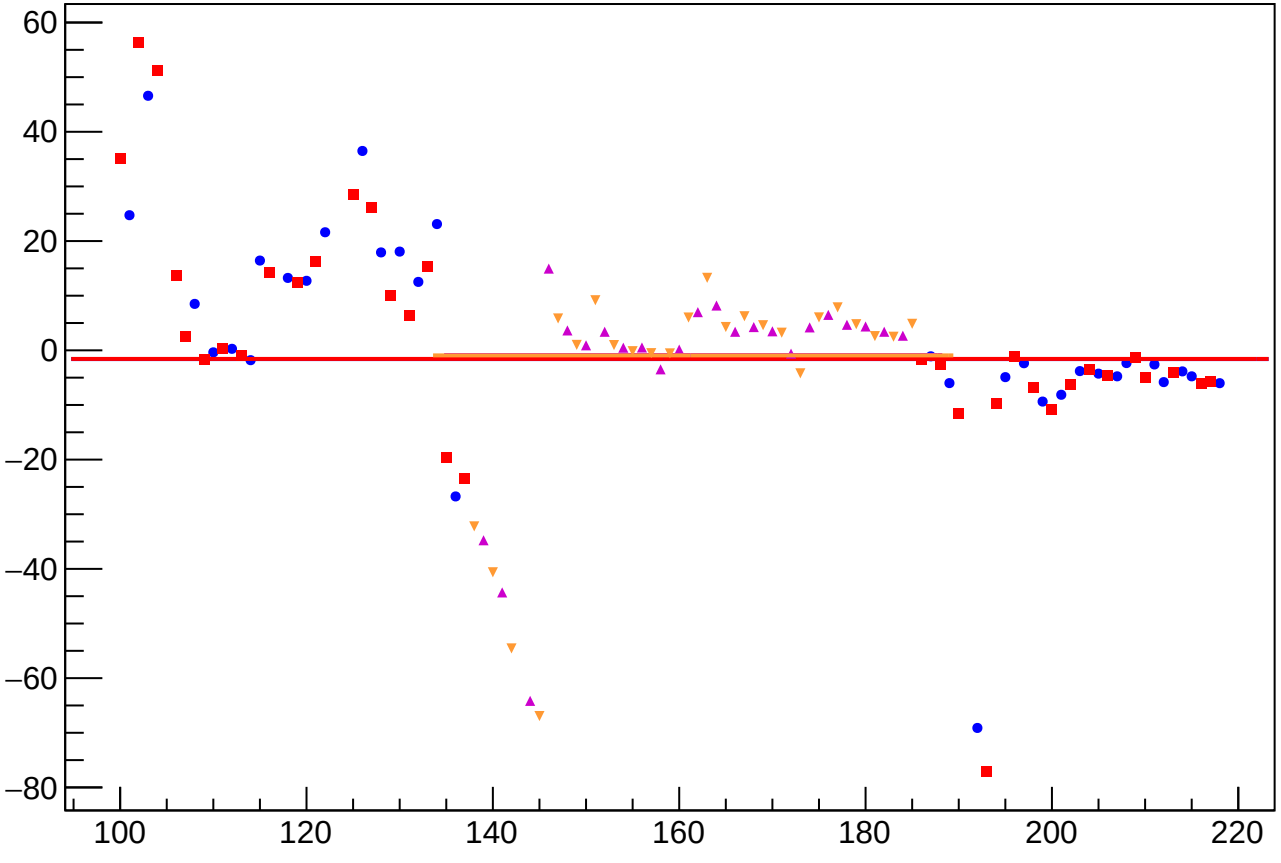
Right: 0.262+/-0.030 χ^2/NDF: 11290.3/65

In: 0.358+/-0.025 χ^2/NDF:13335.5/54

Out: 0.473+/-0.026 χ^2/NDF:9855.0/57

All: 0.414+/-0.018 χ^2/NDF: 23200.5/112

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: -1.572+/-0.033 χ^2/NDF: 118788.8/33

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

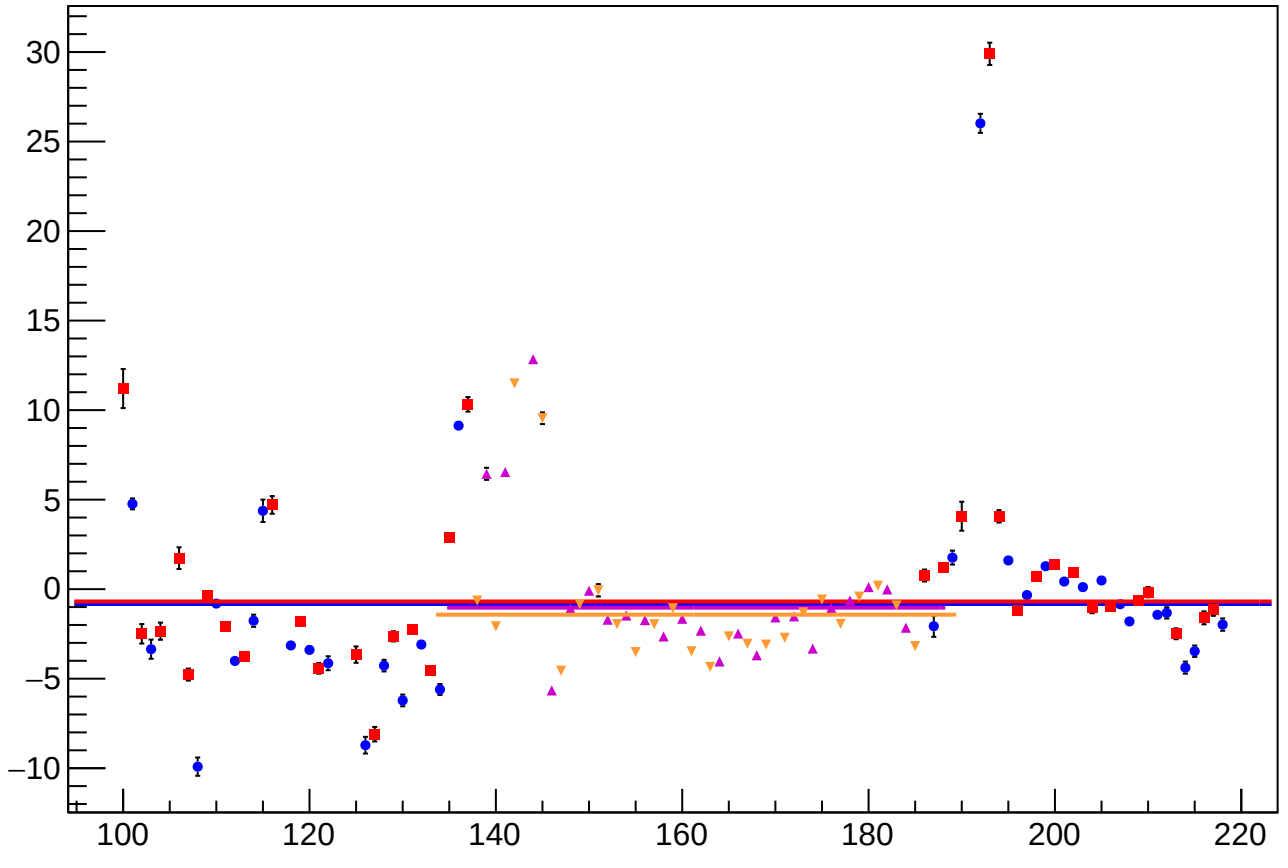
Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

Right: -1.585+/-0.024 χ^2/NDF: 239800.7/65

In: -1.265+/-0.026 χ^2/NDF:250699.5/54

Out: -1.311+/-0.026 χ^2/NDF:245299.7/57

All: -1.288+/-0.018 χ^2/NDF: 496000.7/112



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: -0.688+/-0.048 χ^2/NDF: 5553.0/33

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

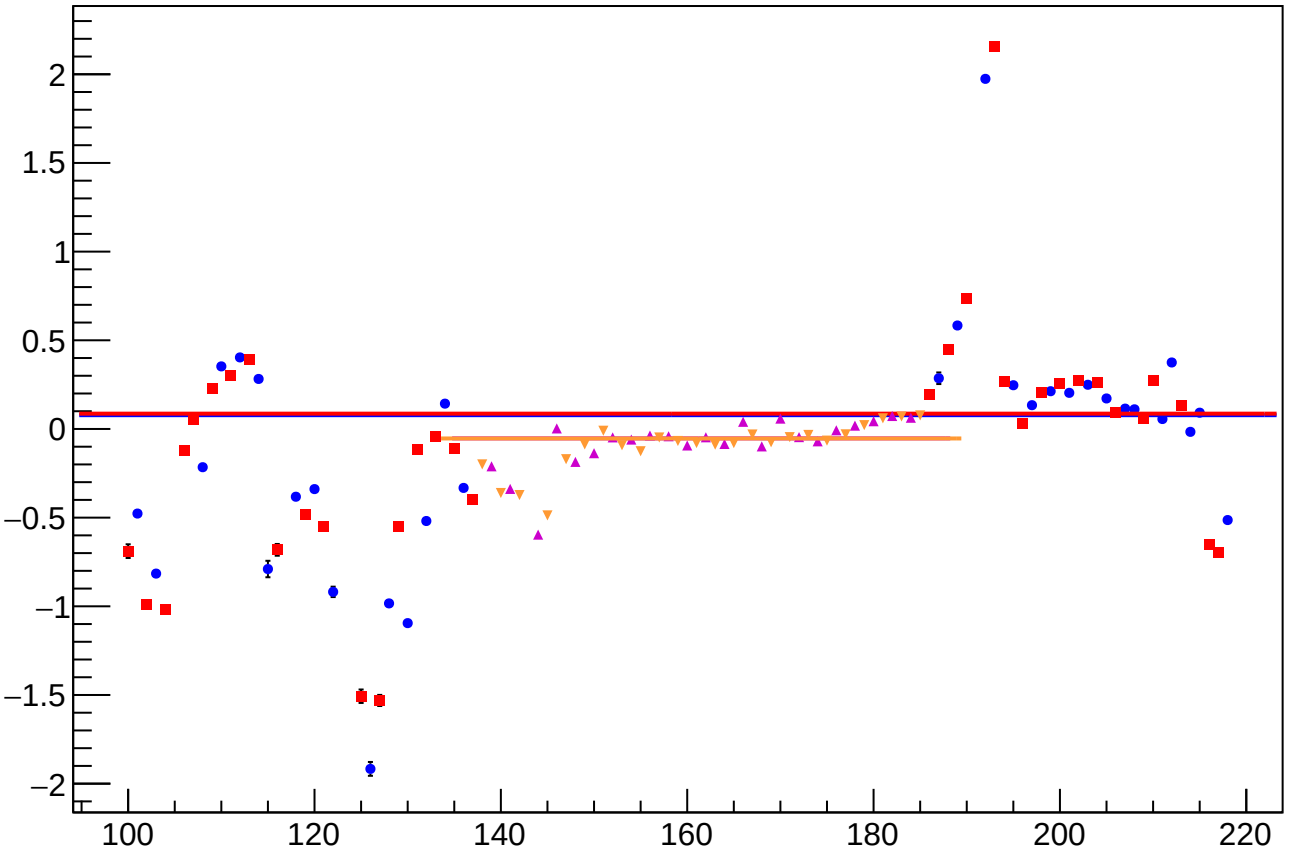
Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

Right: -0.756+/-0.035 χ^2/NDF: 13250.3/65

In: -0.966+/-0.029 χ^2/NDF:14755.6/54

Out: -1.156+/-0.029 χ^2/NDF:10340.1/57

All: -1.059+/-0.020 χ^2/NDF: 25117.5/112



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: 0.086+/-0.002 χ^2/NDF: 36899.3/33

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

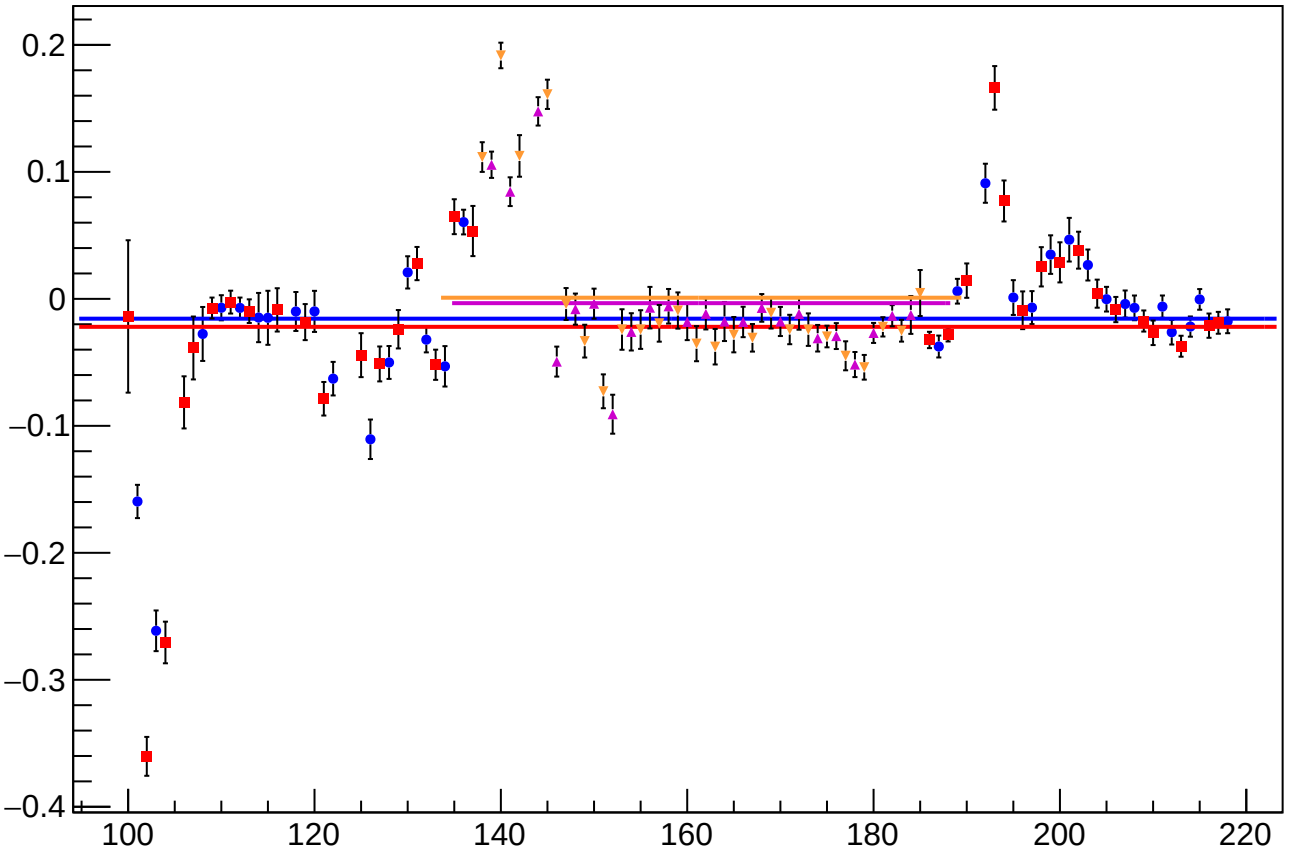
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: 0.082+/-0.002 χ^2/NDF: 72641.1/65

In: -0.013+/-0.001 χ^2/NDF:43100.1/54

Out: -0.006+/-0.001 χ^2/NDF:43855.3/57

All: -0.010+/-0.001 χ^2/NDF: 86971.7/112



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: 1054.8/33

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

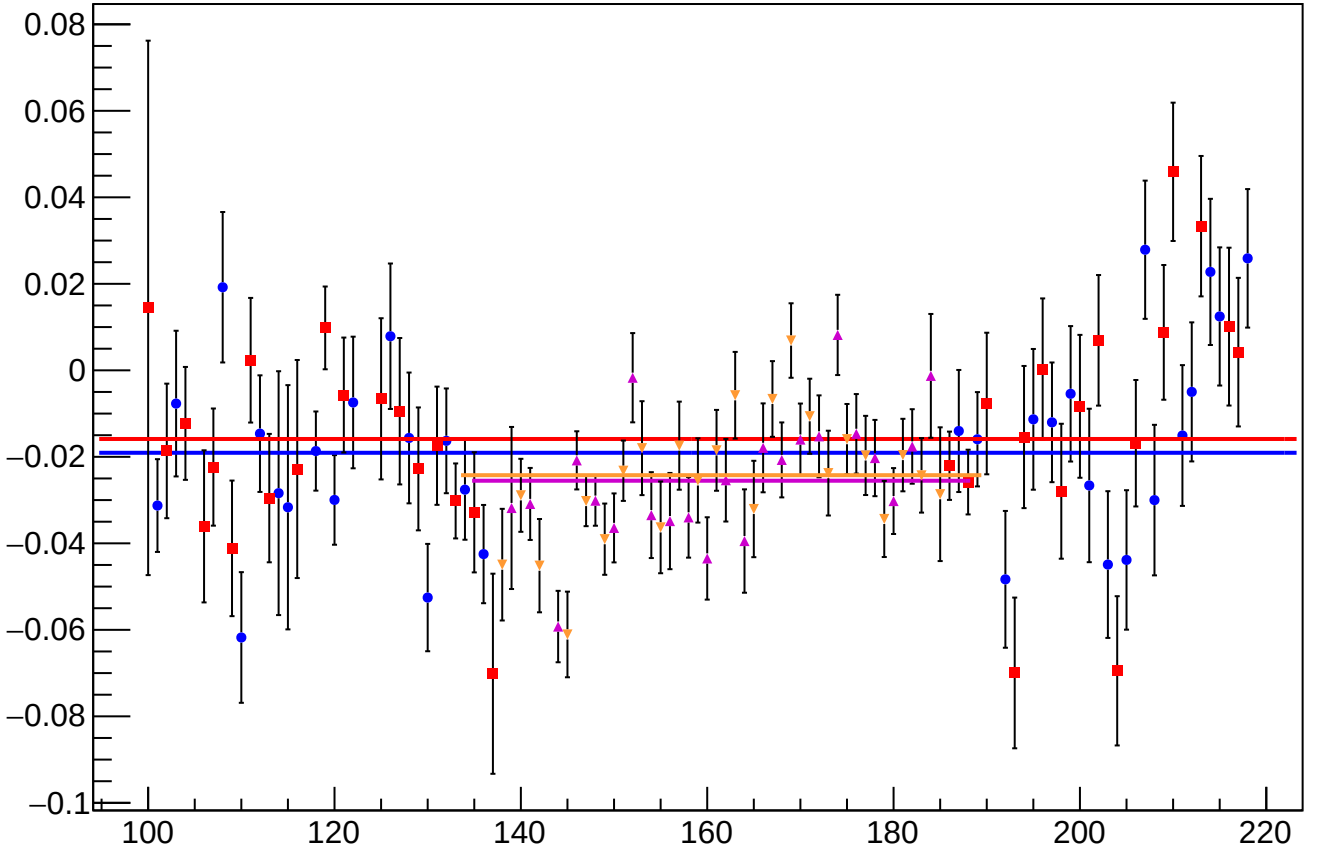
Right: -0.019+/-0.001 χ^2/NDF: 1662.3/65

In: -0.011+/-0.002 χ^2/NDF:1075.3/54

Out: -0.013+/-0.002 χ^2/NDF:1960.3/57

All: -0.012+/-0.001 χ^2/NDF: 3036.8/112

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -0.016+/-0.002 χ^2/NDF: 81.2/33

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

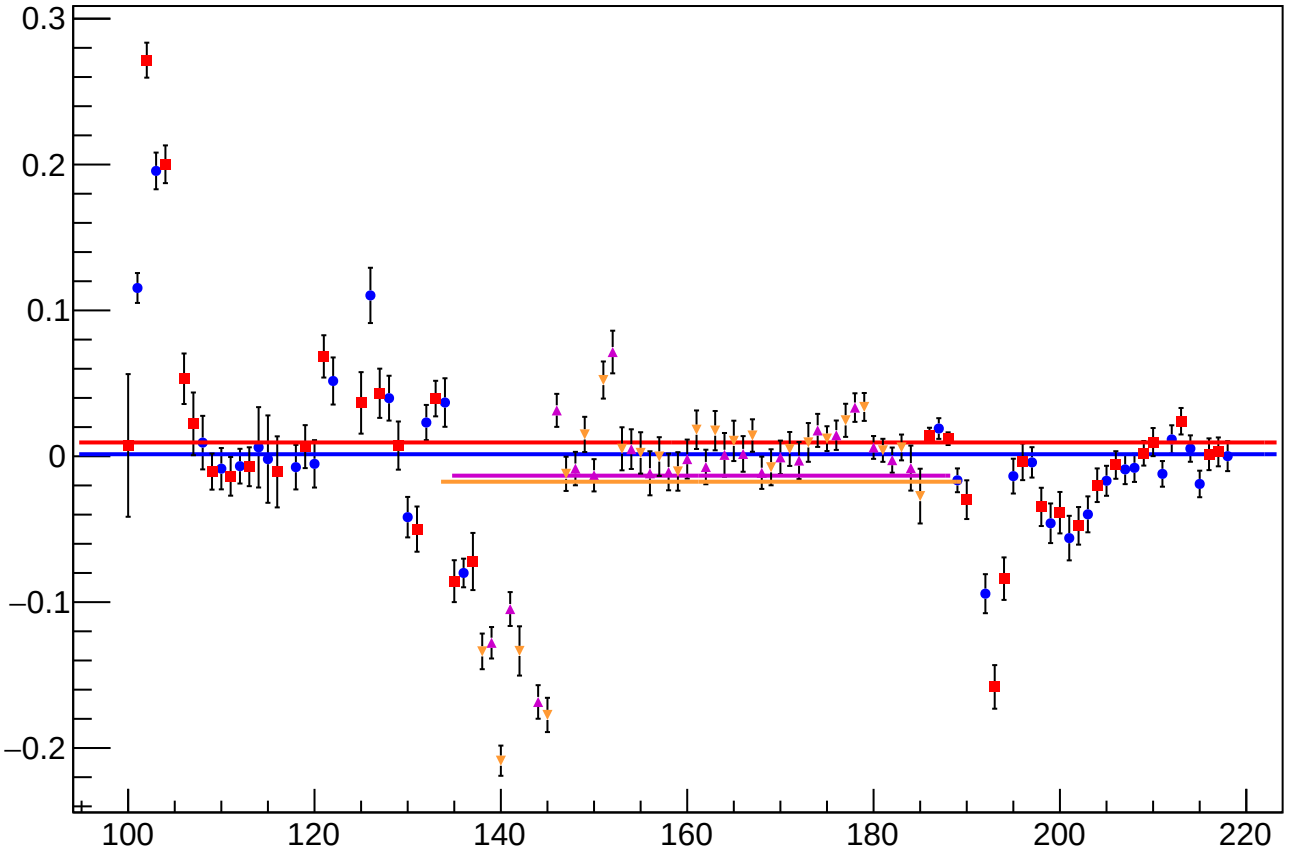
Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

Right: -0.017+/-0.002 χ^2/NDF: 151.0/65

In: -0.023+/-0.001 χ^2/NDF:128.2/54

Out: -0.021+/-0.001 χ^2/NDF:142.6/57

All: -0.022+/-0.001 χ^2/NDF: 271.8/112



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: 1047.5/33

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

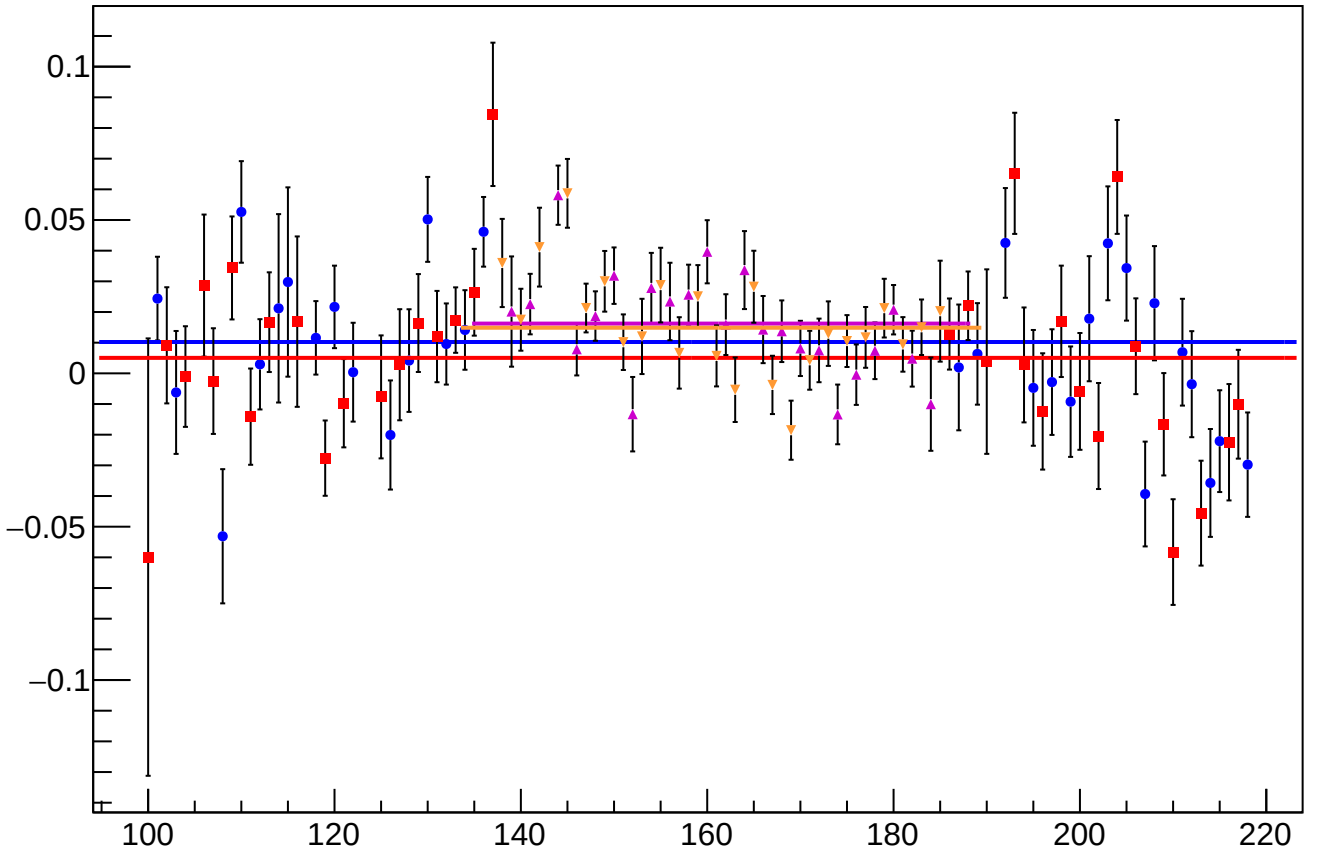
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

Right: 0.006+/-0.001 χ^2/NDF: 1670.1/65

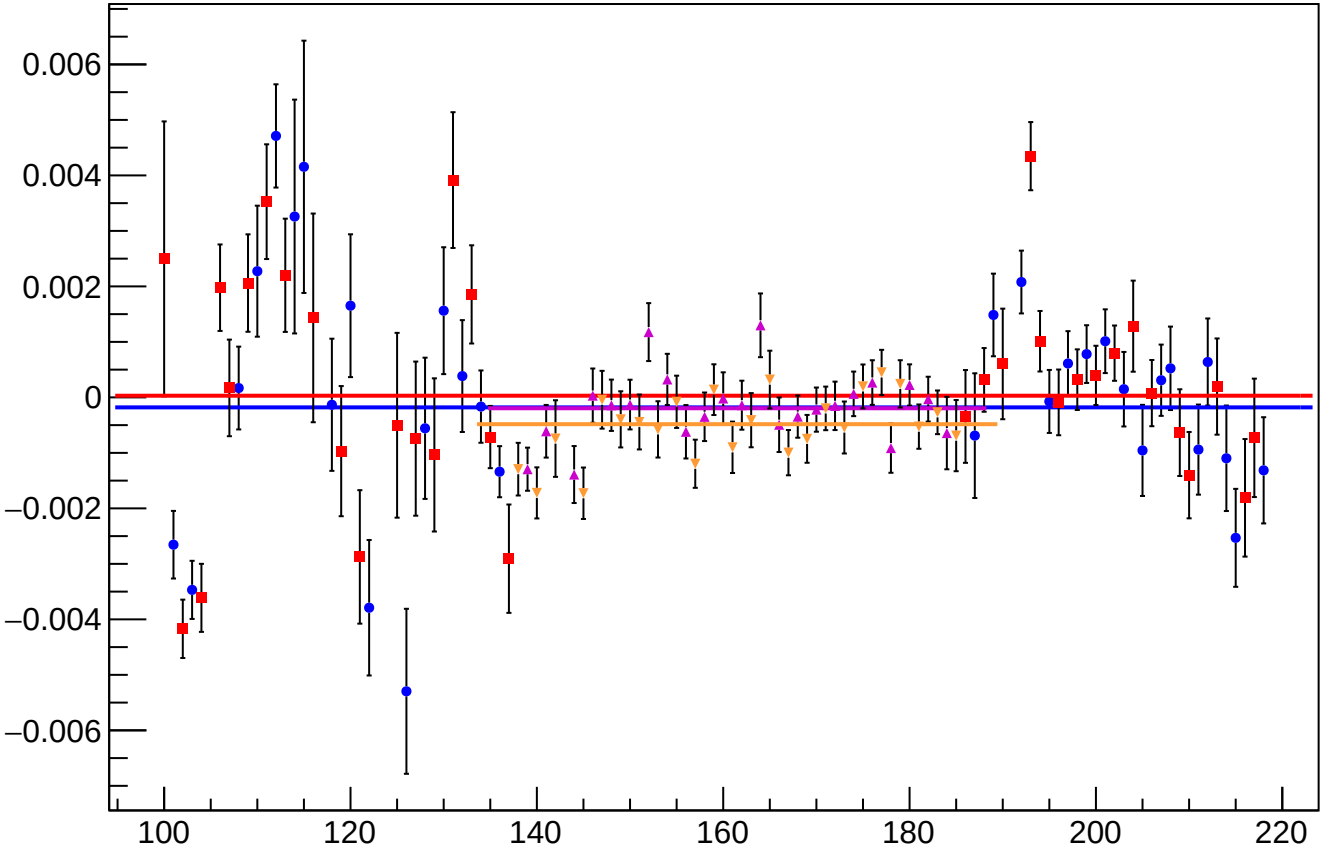
In: -0.005+/-0.002 χ^2/NDF:1094.7/54

Out: -0.001+/-0.001 χ^2/NDF:1937.8/57

All: -0.003+/-0.001 χ^2/NDF: 3035.8/112


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: 0.005+/-0.003 χ²/NDF: 84.7/33
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
Left: 0.016+/-0.001 χ²/NDF: 110.2/46
Right: 0.008+/-0.002 χ²/NDF: 163.0/65
In: 0.014+/-0.002 χ²/NDF:137.5/54
Out: 0.011+/-0.002 χ²/NDF:144.5/57
All: 0.013+/-0.001 χ²/NDF: 283.3/112

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 227.6/33

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

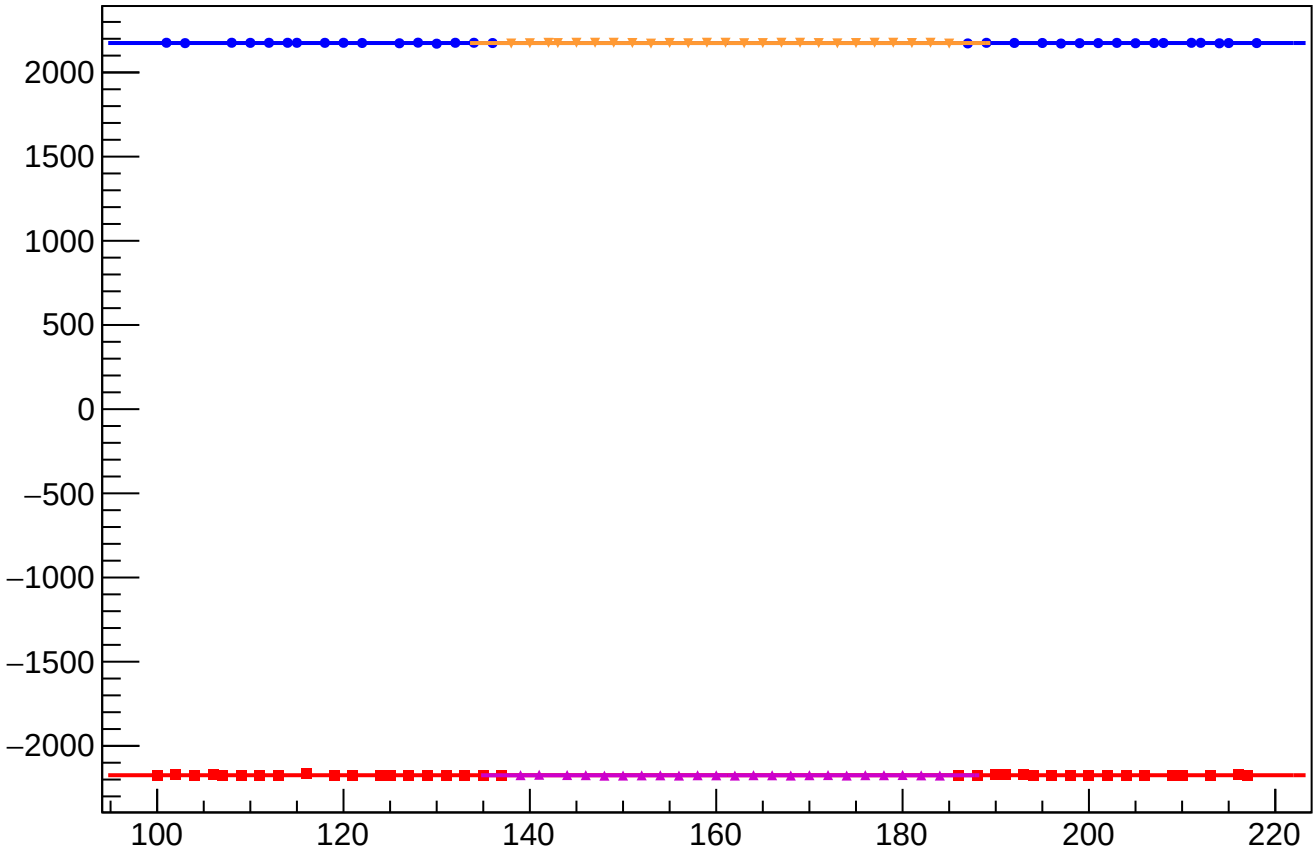
Right: -0.000+/-0.000 χ^2/NDF: 399.6/65

In: -0.000+/-0.000 χ^2/NDF:208.0/54

Out: -0.000+/-0.000 χ^2/NDF:278.5/57

All: -0.000+/-0.000 χ^2/NDF: 487.8/112

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.763+/-0.000 χ^2/NDF: 3684432468422690380645870438711296.0/31

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517l2.0/24

Right Out: -2174.269+/-0.000 χ^2/NDF: 122657201536290142933955848962048OO.0/35

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291S2.0/22

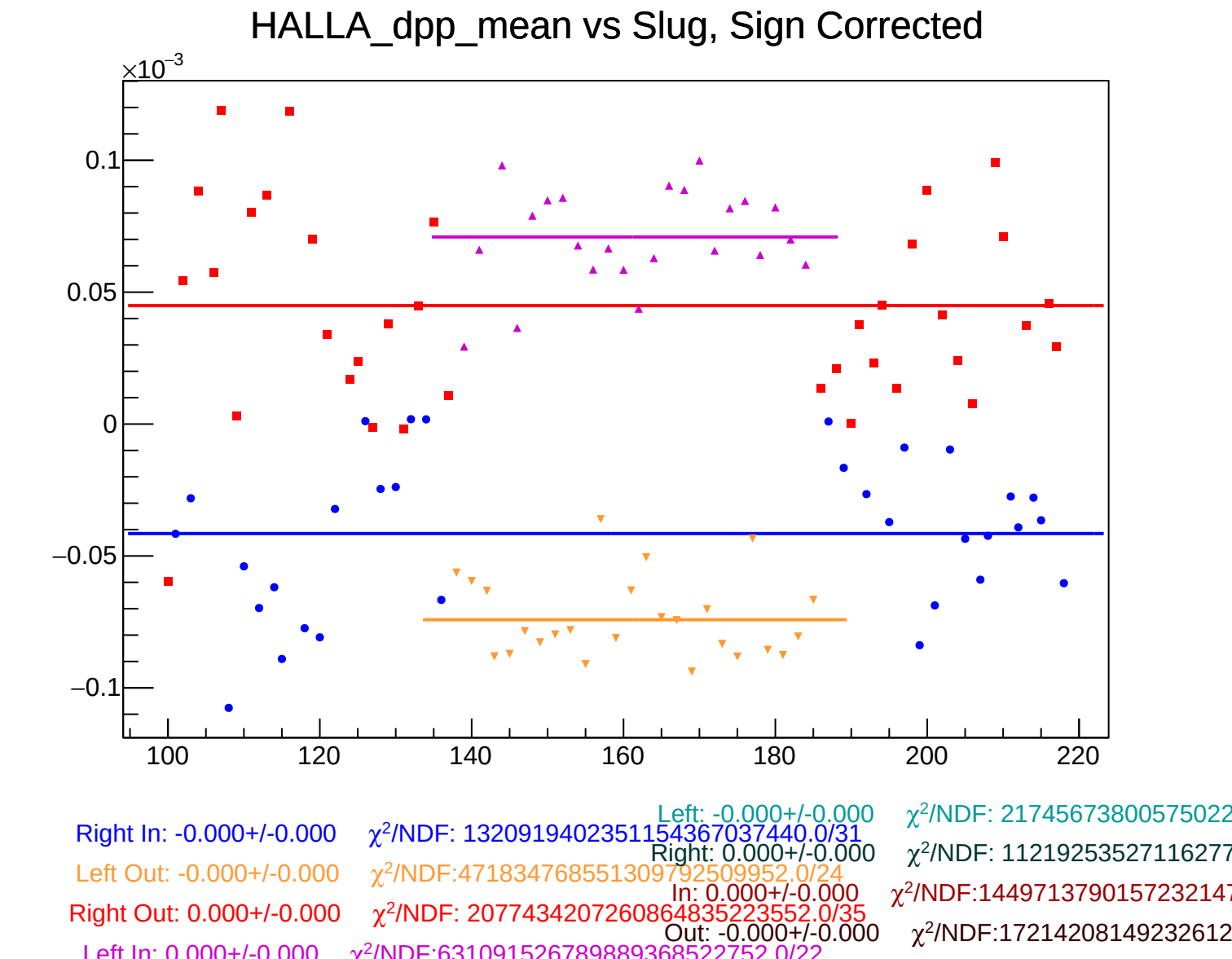
Left: 62.103+/-0.000 χ^2/NDF: 18541167673153150

Right: -26.215+/-0.000 χ^2/NDF: 1981430440053373

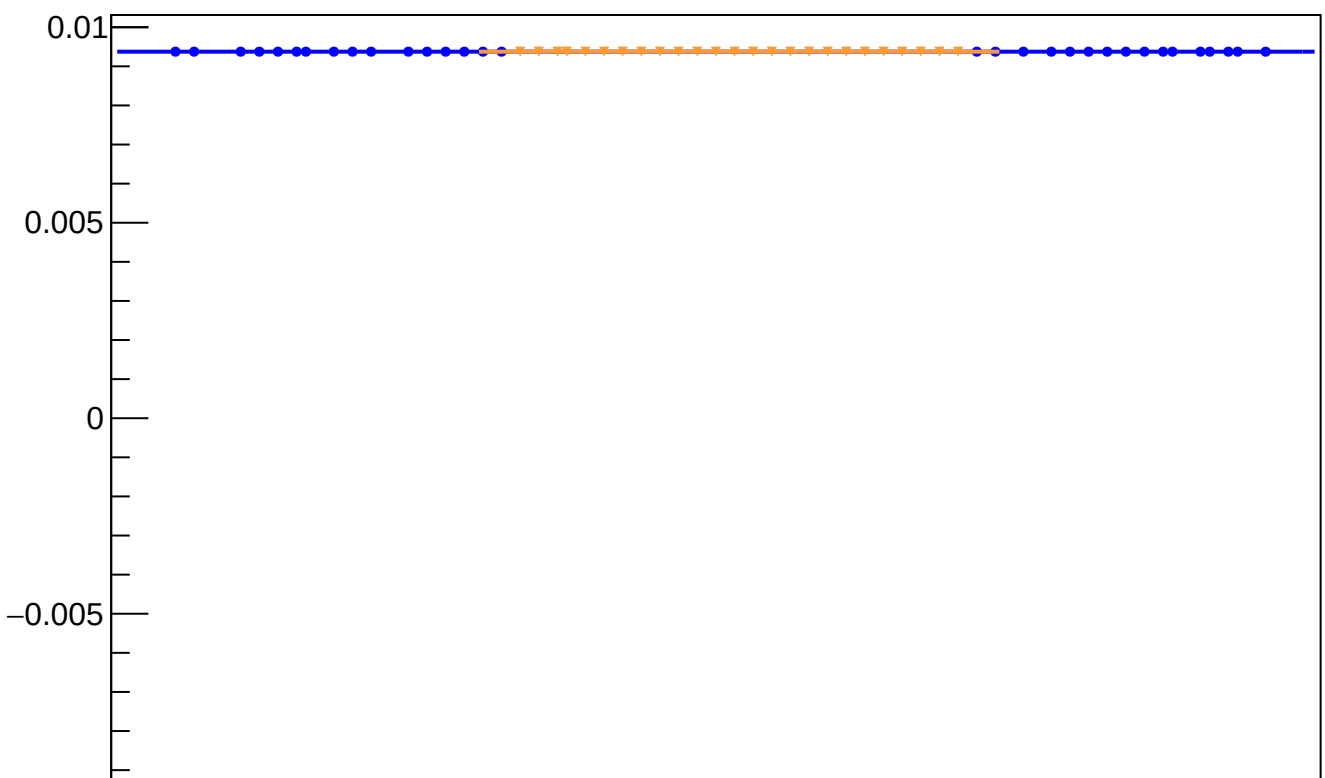
In: 89.794+/-0.000 χ^2/NDF:187712337840736458

Out: -53.925+/-0.000 χ^2/NDF:1955815798107997

All: 16.491+/-0.000 χ^2/NDF: 3837127932401


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: 207743420726086483522355 2.0/35
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: 11219253527116277
In: 0.000+/-0.000 χ²/NDF:1449713790157232147
Out: -0.000+/-0.000 χ²/NDF:17214208149232612
All: -0.000+/-0.000 χ²/NDF: 3303595311271

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: 0.3/35

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

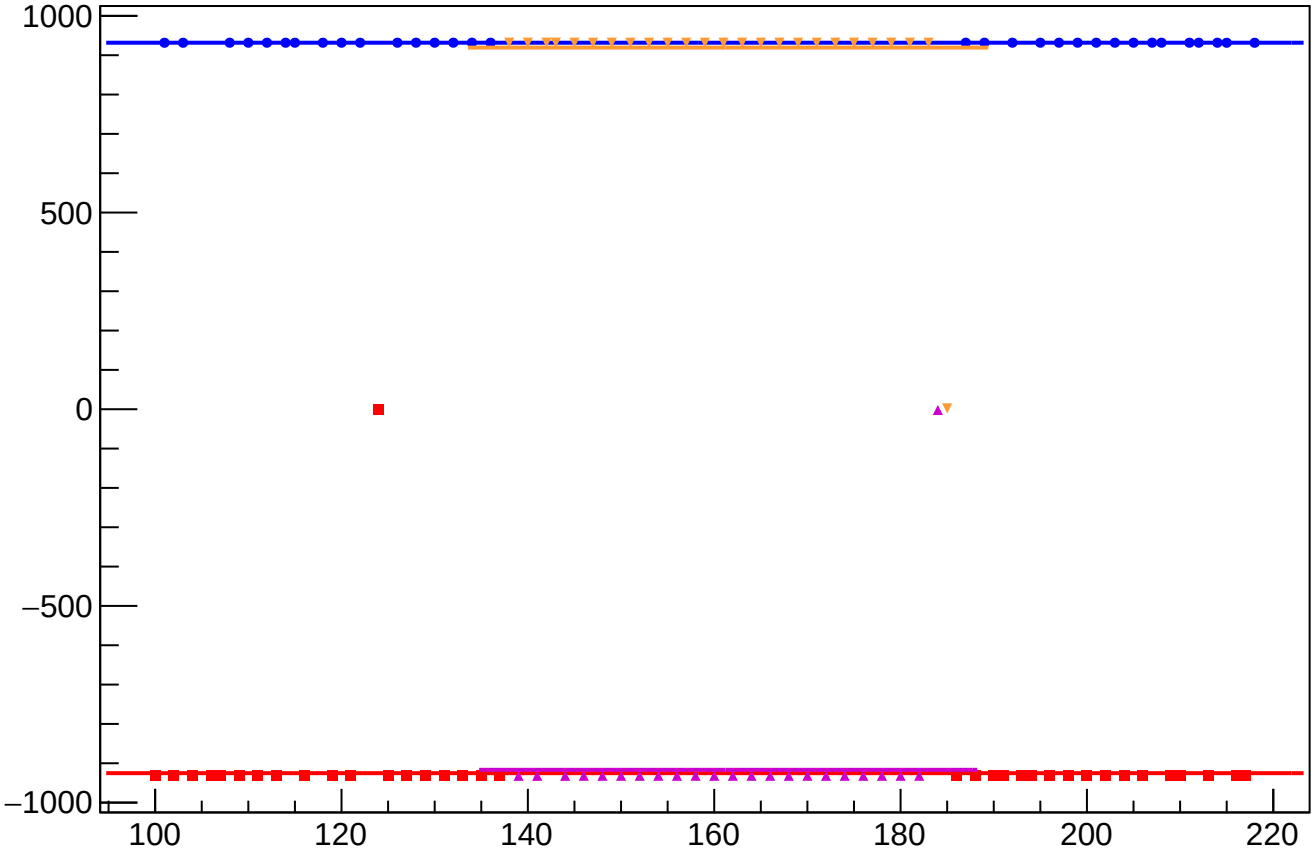
Right: -0.000+/-0.000 χ^2/NDF: 36829506308160246

In: 0.000+/-0.000 χ^2/NDF:348858581174546282

Out: -0.000+/-0.000 χ^2/NDF:36355401742570568

All: 0.000+/-0.000 χ^2/NDF: 713192121072087

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: -925.177+/-0.000 χ^2/NDF: 1292985988259944302703618573221442 3552.0/35

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

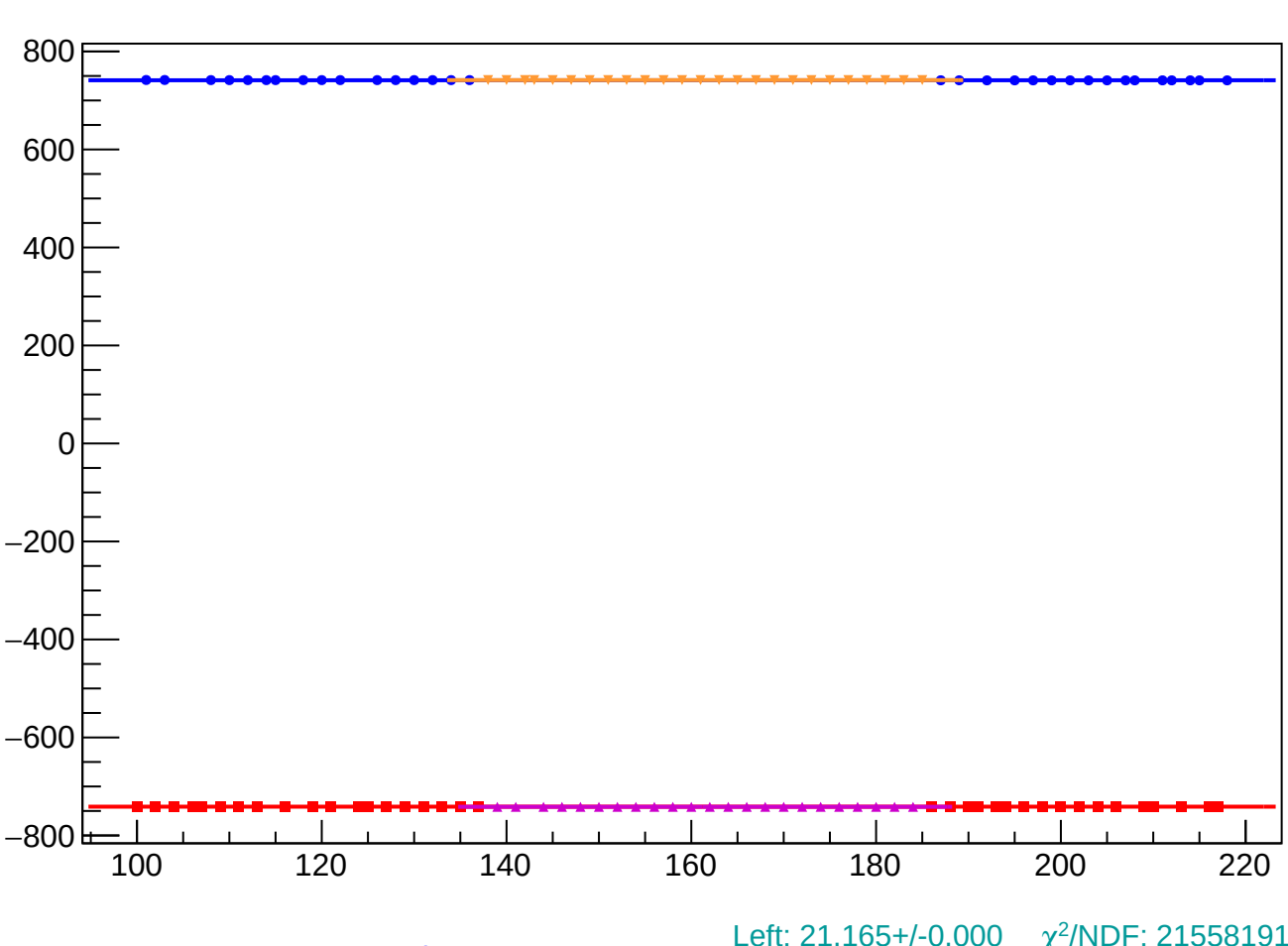
Left: 27.548+/-0.000 χ^2/NDF: 335355180821936 32

Right: -8.005+/-0.000 χ^2/NDF: 362528043525071 89

In: 45.676+/-0.000 χ^2/NDF:341674374699250464

Out: -25.866+/-0.000 χ^2/NDF:35542706375686 04

All: 9.187+/-0.000 χ^2/NDF: 6981393876548 9



Right In: 741.225+/-0.000 χ^2/NDF: 144334058516898672524984148033536.0/31

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: -741.235+/-0.000 χ^2/NDF: 149388952433539352827489251491840.0/35

Left In: -741.513+/-0.000 χ^2/NDF:234703983030085423185895882752.0/22

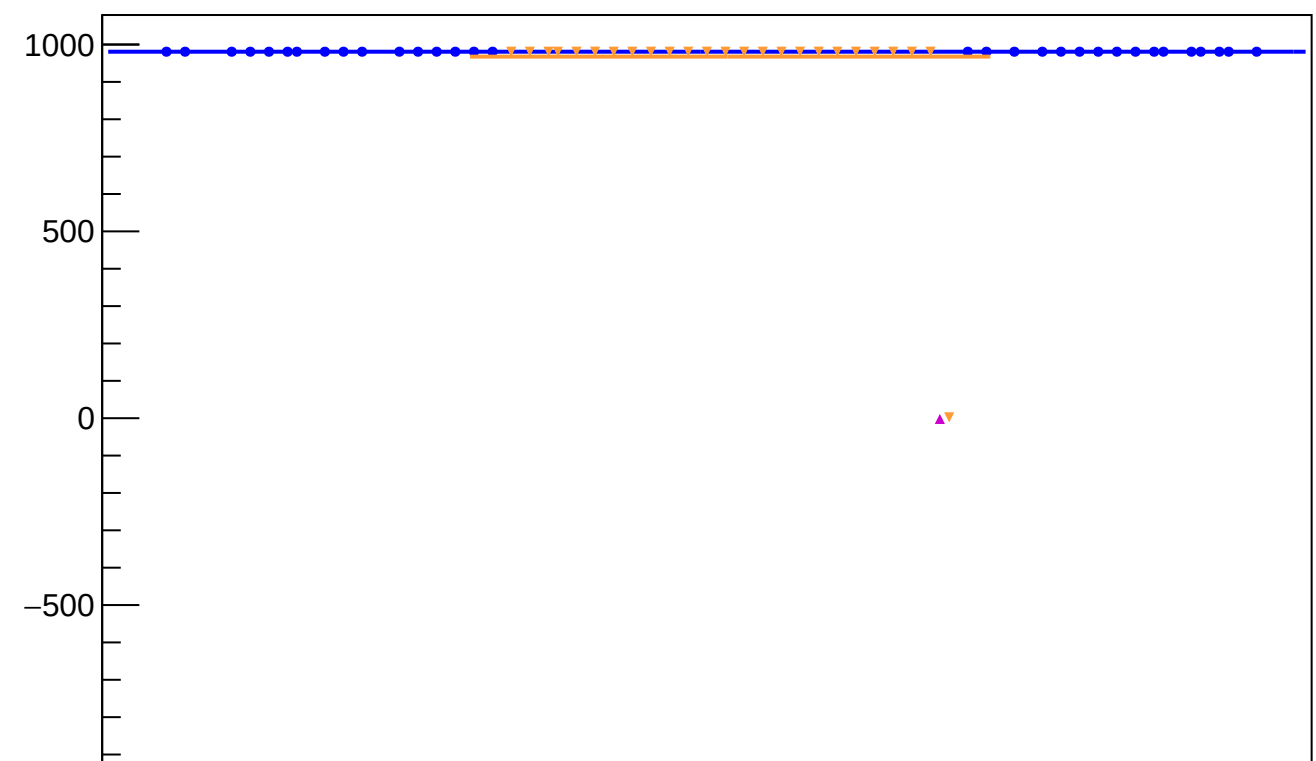
Left: 21.165+/-0.000 χ^2/NDF: 21558191183425632

Right: -9.025+/-0.000 χ^2/NDF: 2302287530144175

In: 30.436+/-0.000 χ^2/NDF:218160133502920833

Out: -18.311+/-0.000 χ^2/NDF:2273533618179923

All: 5.573+/-0.000 χ^2/NDF: 4459953719107



Right In: 980.803+/-0.000 χ^2/NDF: 19534914391897421820437400125440/31

Left Out: 967.677+/-0.000 χ^2/NDF:25505155603279925641541295779633692672.0/24

Right Out: -980.781+/-0.000 χ^2/NDF: 63541076924276531825219496574976.0/35

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

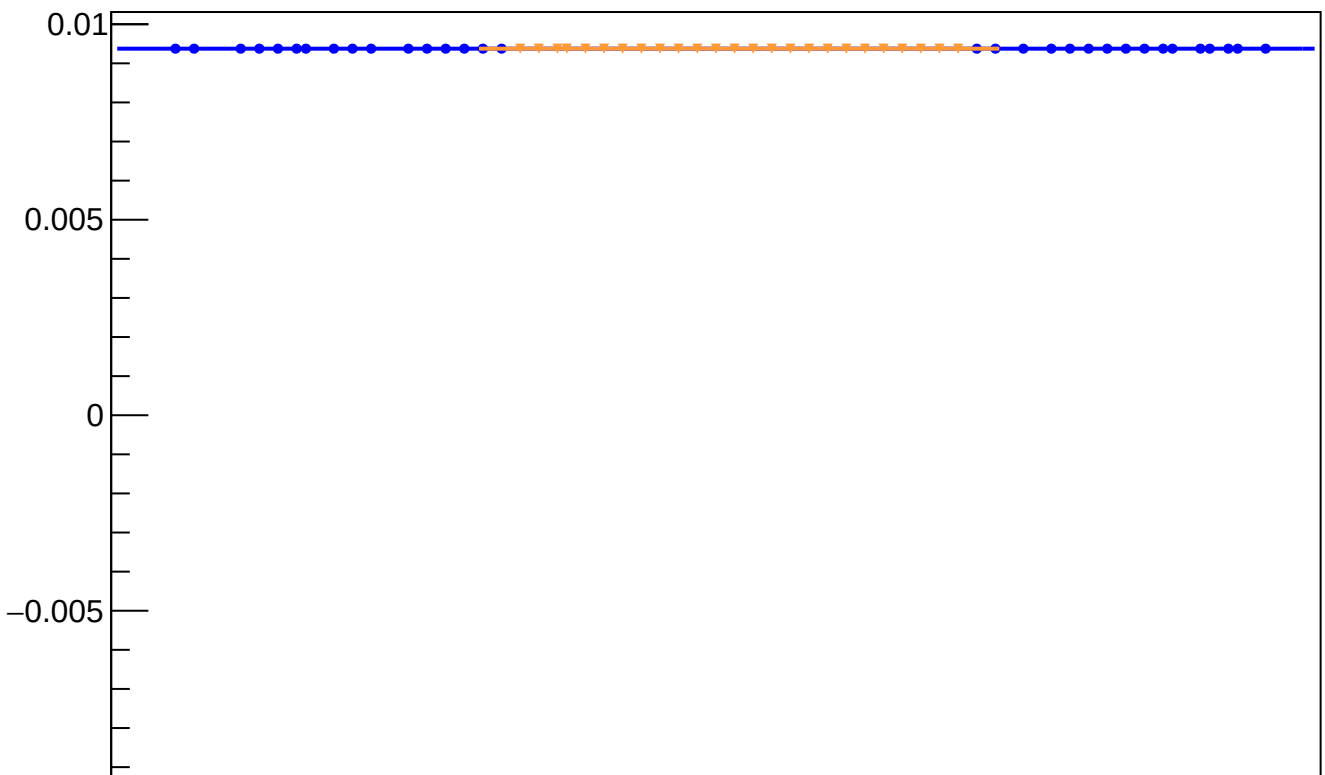
Right: -11.925+/-0.000 χ^2/NDF: 4030949058374310

In: 48.101+/-0.000 χ^2/NDF:378568095552064772

Out: -30.796+/-0.000 χ^2/NDF:3951489527296904

All: 7.860+/-0.000 χ^2/NDF: 7749793965985

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: 0.3/35

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

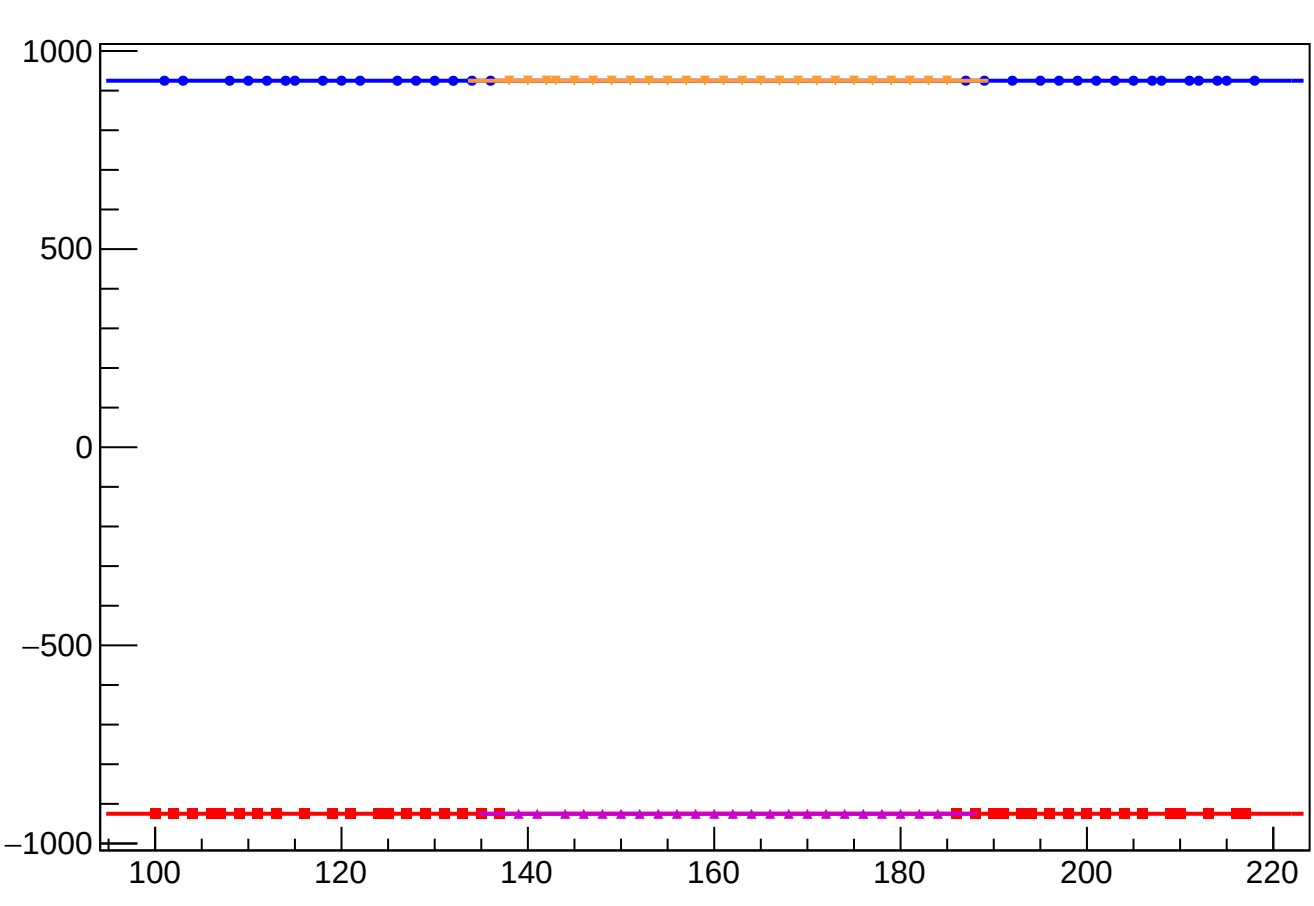
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 36829506308160246

In: 0.000+/-0.000 χ^2/NDF:348858581174546282

Out: -0.000+/-0.000 χ^2/NDF:36355401742570568

All: 0.000+/-0.000 χ^2/NDF: 713192121072



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: -924.997+/-0.000 χ^2/NDF: 19942980230539888666685474439168.0/35

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

Left: 26.401+/-0.000 χ^2/NDF: 33546151426363744

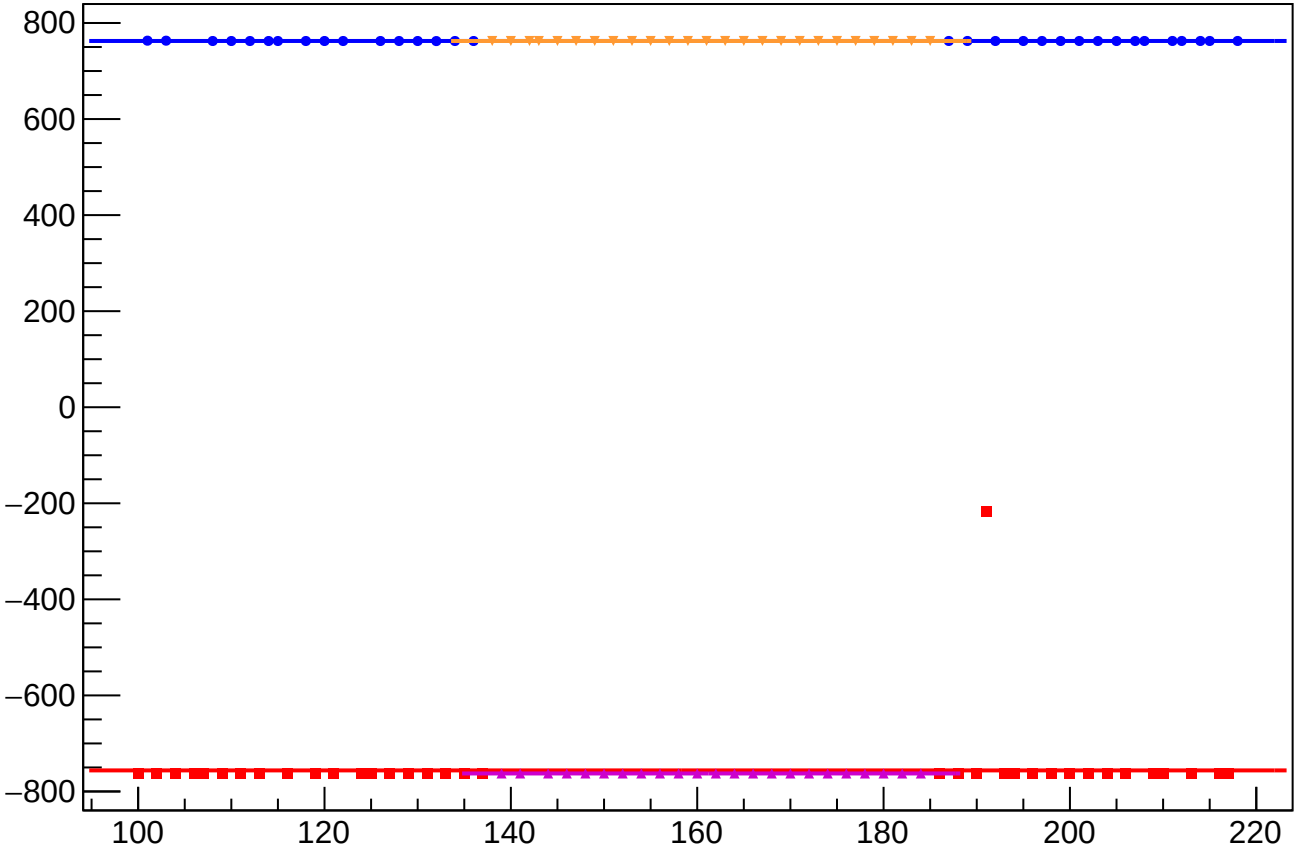
Right: -11.257+/-0.000 χ^2/NDF: 358536542097854

In: 38.160+/-0.000 χ^2/NDF:339609915475879671

Out: -23.025+/-0.000 χ^2/NDF:3539163484292540

All: 6.953+/-0.000 χ^2/NDF: 6942854491794

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



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: -756.146+/-0.000 χ^2/NDF: 735175438109467820752974547167215 6160.0/35

Left In: -762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

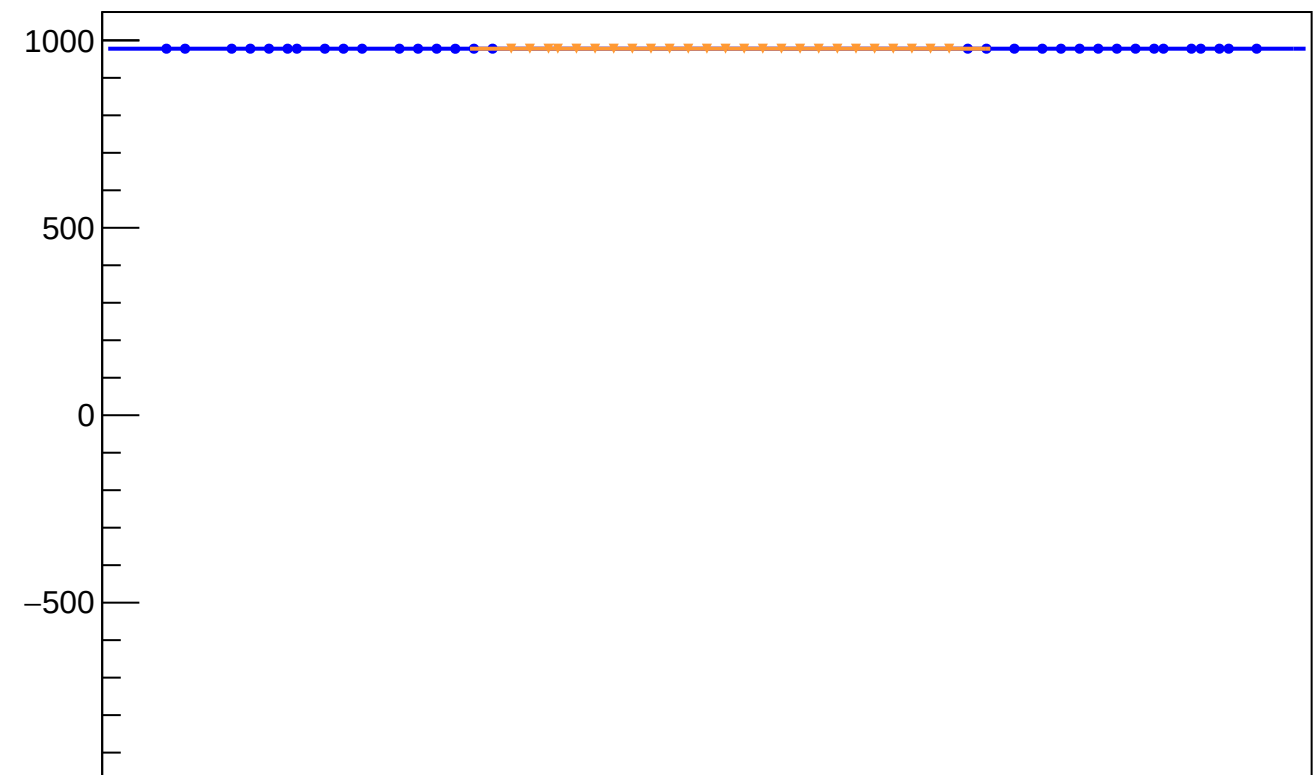
Left: 21.764+/-0.000 χ^2/NDF: 22796901664040585

Right: -6.028+/-0.000 χ^2/NDF: 2423627208850694

In: 31.479+/-0.000 χ^2/NDF:230800803721490746

Out: -15.710+/-0.000 χ^2/NDF:2392358900063266

All: 7.411+/-0.000 χ^2/NDF: 4704882670696



Right In: 977.761+/-0.000 χ^2/NDF: 22247441154779293947879657308 16.0/31

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: -977.758+/-0.000 χ^2/NDF: 2868389510675511163708908765184.0/35

Left In: -977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

Left: 27.908+/-0.000 χ^2/NDF: 37481642757083146

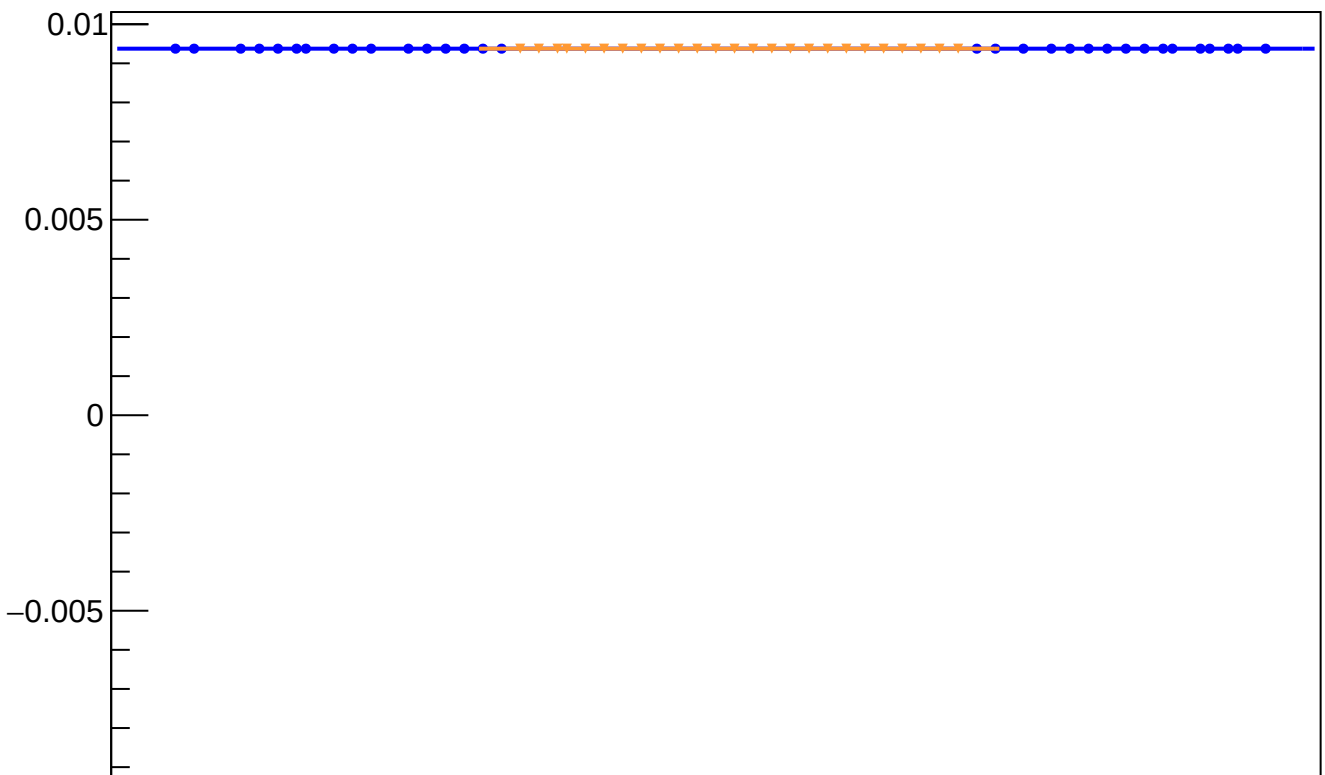
Right: -11.897+/-0.000 χ^2/NDF: 400605946186795

In: 40.342+/-0.000 χ^2/NDF:379455368178439704

Out: -24.342+/-0.000 χ^2/NDF:3954396058779546

All: 7.351+/-0.000 χ^2/NDF: 7757434695325

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: 0.3/35

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

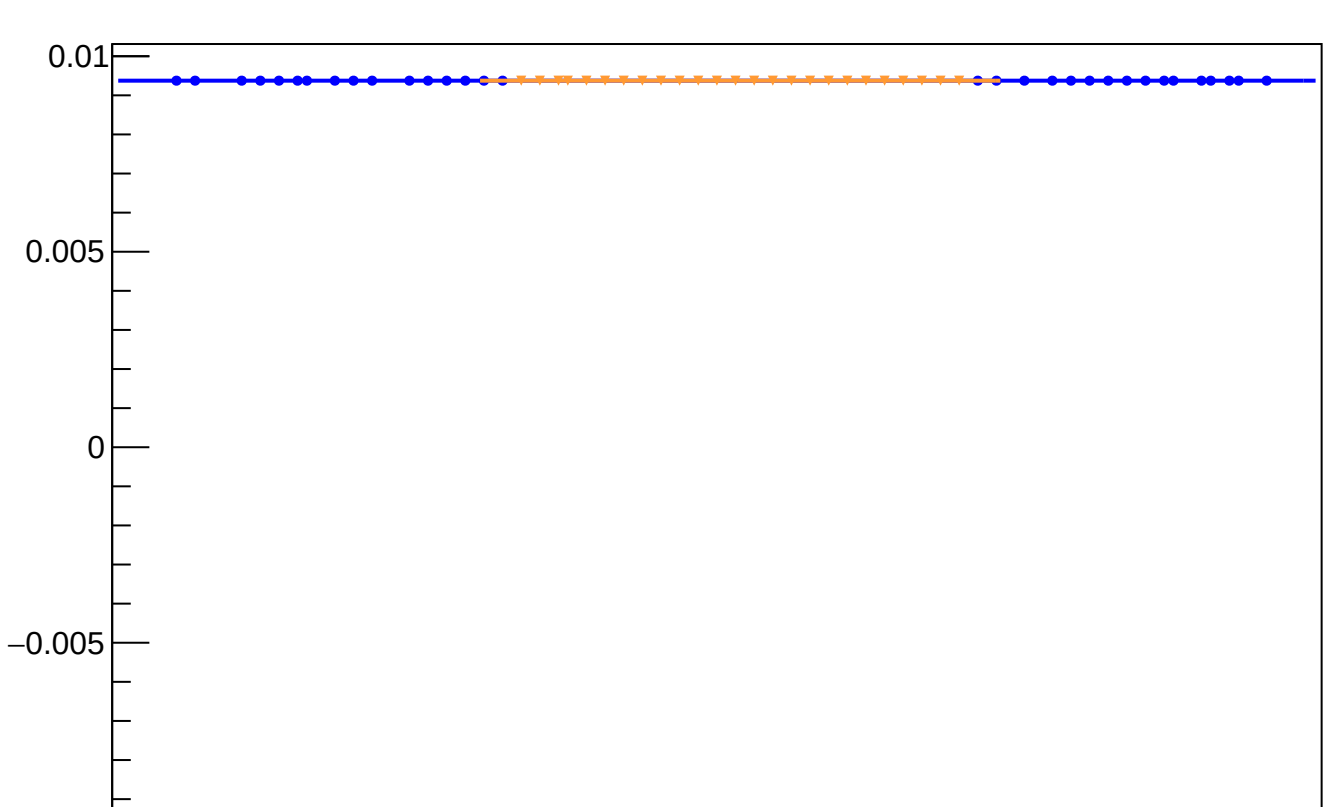
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 36829506308160246

In: 0.000+/-0.000 χ^2/NDF:348858581174546282

Out: -0.000+/-0.000 χ^2/NDF:36355401742570568

All: 0.000+/-0.000 χ^2/NDF: 713192121072



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: 0.3/35

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

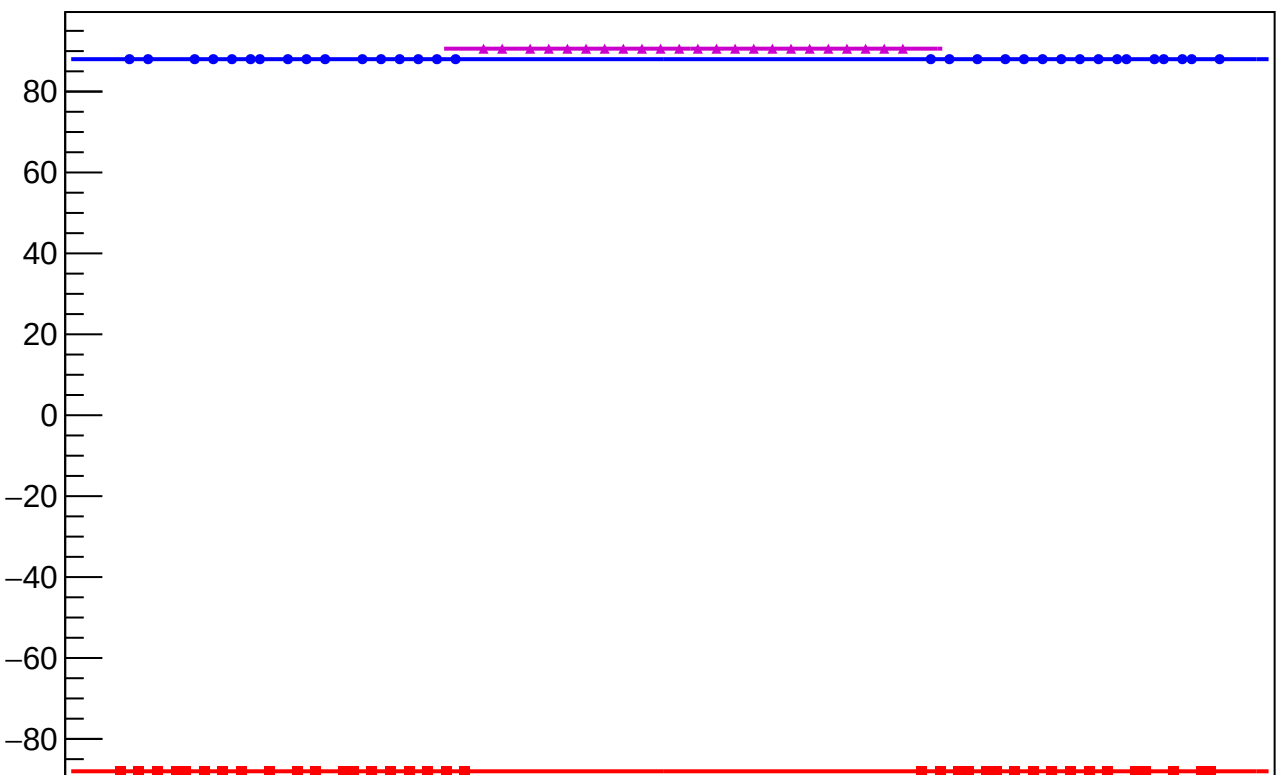
Right: -0.000+/-0.000 χ^2/NDF: 36829506308160246

In: 0.000+/-0.000 χ^2/NDF:348858581174546282

Out: -0.000+/-0.000 χ^2/NDF:36355401742570568

All: 0.000+/-0.000 χ^2/NDF: 71319212107208

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: 767979632943714199335589642240/35

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

Right: -1.071+/-0.000 χ^2/NDF: 3245117524190852

In: 89.246+/-0.000 χ^2/NDF:670075355092240185

Out: -89.268+/-0.000 χ^2/NDF:6977868962363431

All: -1.804+/-0.000 χ^2/NDF: 6463868898047

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: 29.444+/-0.000 χ^2/NDF: 127182804186704258200705256180940 8.0/35

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

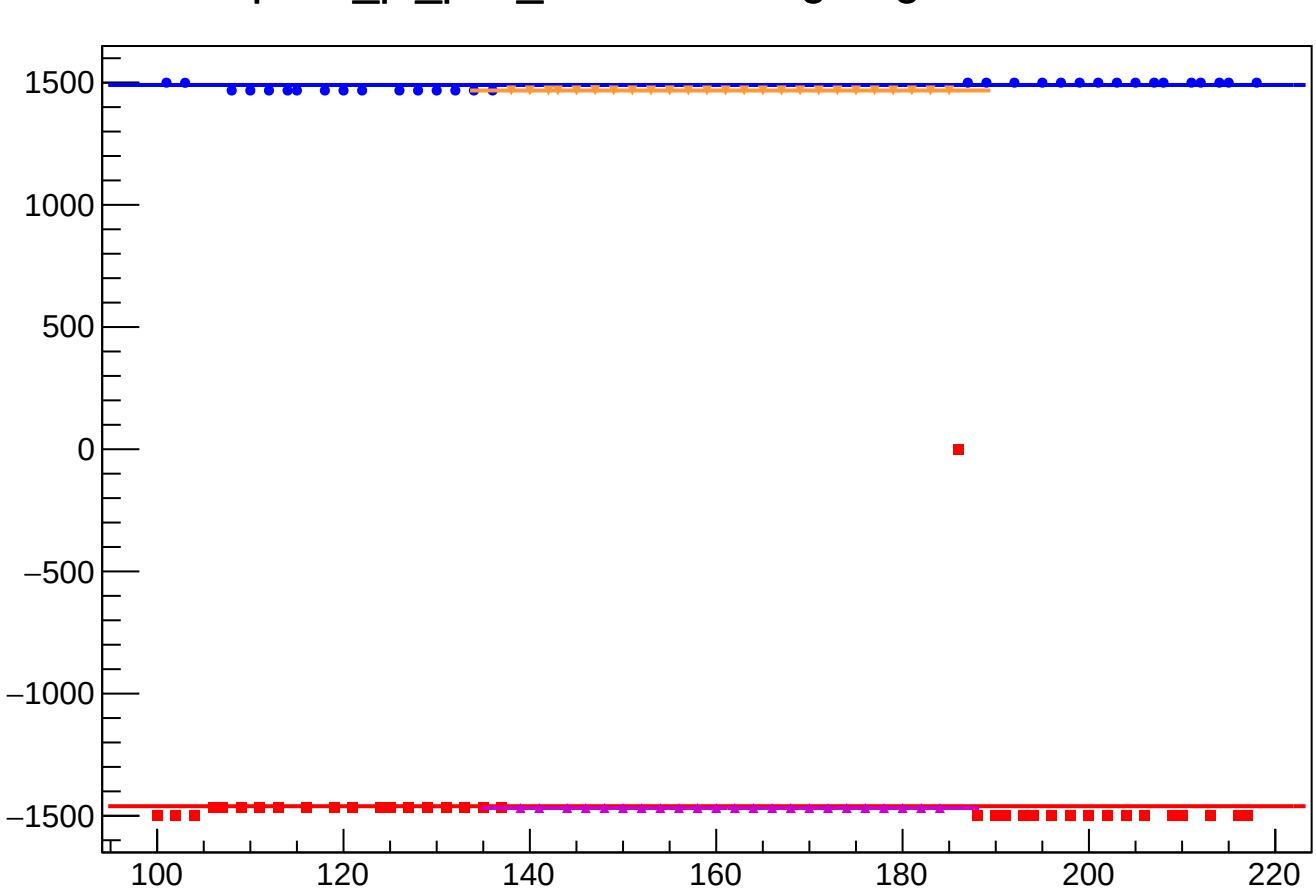
Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

Right: 0.359+/-0.000 χ^2/NDF: 36350583363694859

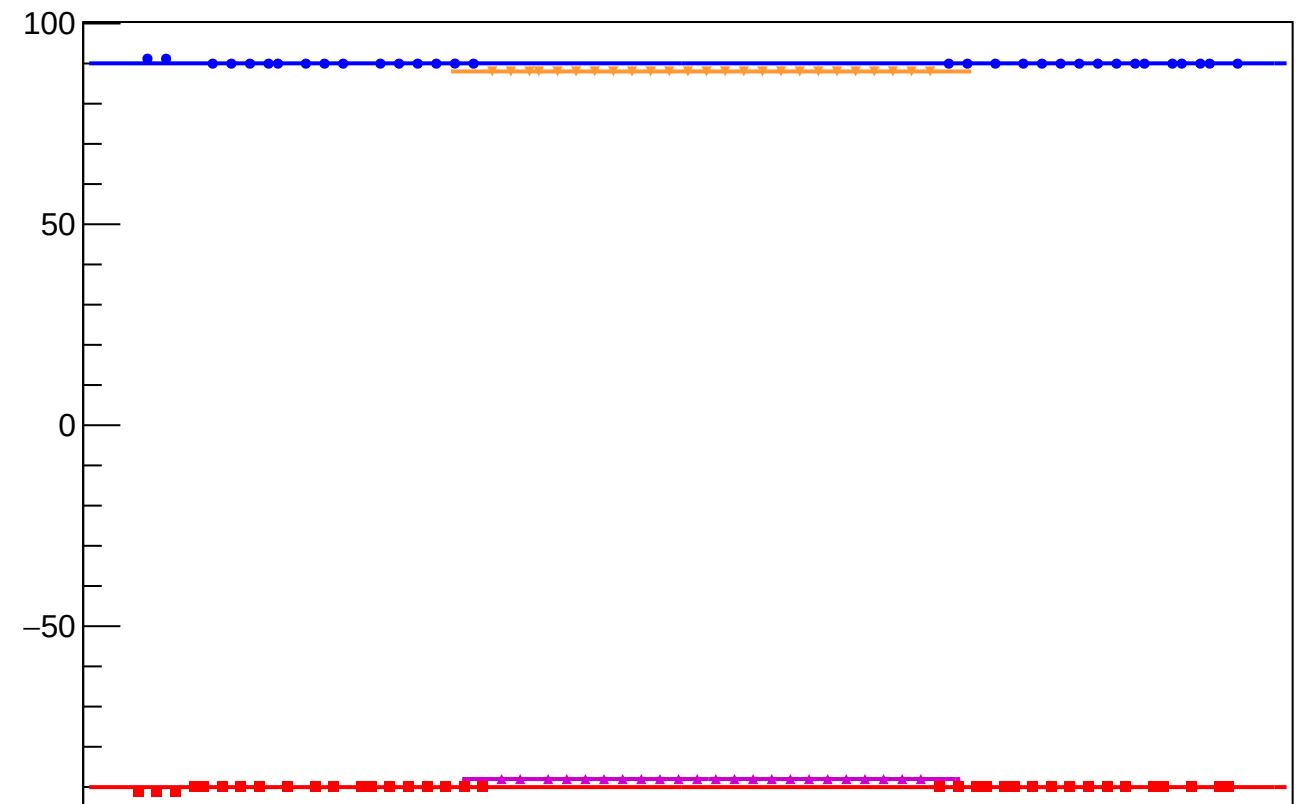
In: -1.119+/-0.000 χ^2/NDF:346514956517588245

Out: 0.637+/-0.000 χ^2/NDF:361130591501797530

All: -0.224+/-0.000 χ^2/NDF: 7082706889189


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: 1490.503+/-0.000 χ²/NDF: 44182210400787476882279739304810905 6.0/31
Left Out: 1468.051+/-0.000 χ²/NDF:139558223587677068165594208010240.0/24
Right Out: -1460.726+/-0.000 χ²/NDF: 91877371388136685199437287775698681856.0/35
Left In: -1467.994+/-0.000 χ²/NDF:15549380898609675375522453913 6.0/22
Left: 41.929+/-0.000 χ²/NDF: 8449679330293095
Right: -3.068+/-0.000 χ²/NDF: 921660912316103
In: 72.270+/-0.000 χ²/NDF:868582271953838257
Out: -32.779+/-0.000 χ²/NDF:8962190189611726
All: 18.690+/-0.000 χ²/NDF: 176703918032

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: -90.035+/-0.000 χ^2/NDF: 18628665572845716697883002221 3632.0/35

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 303769885681723848

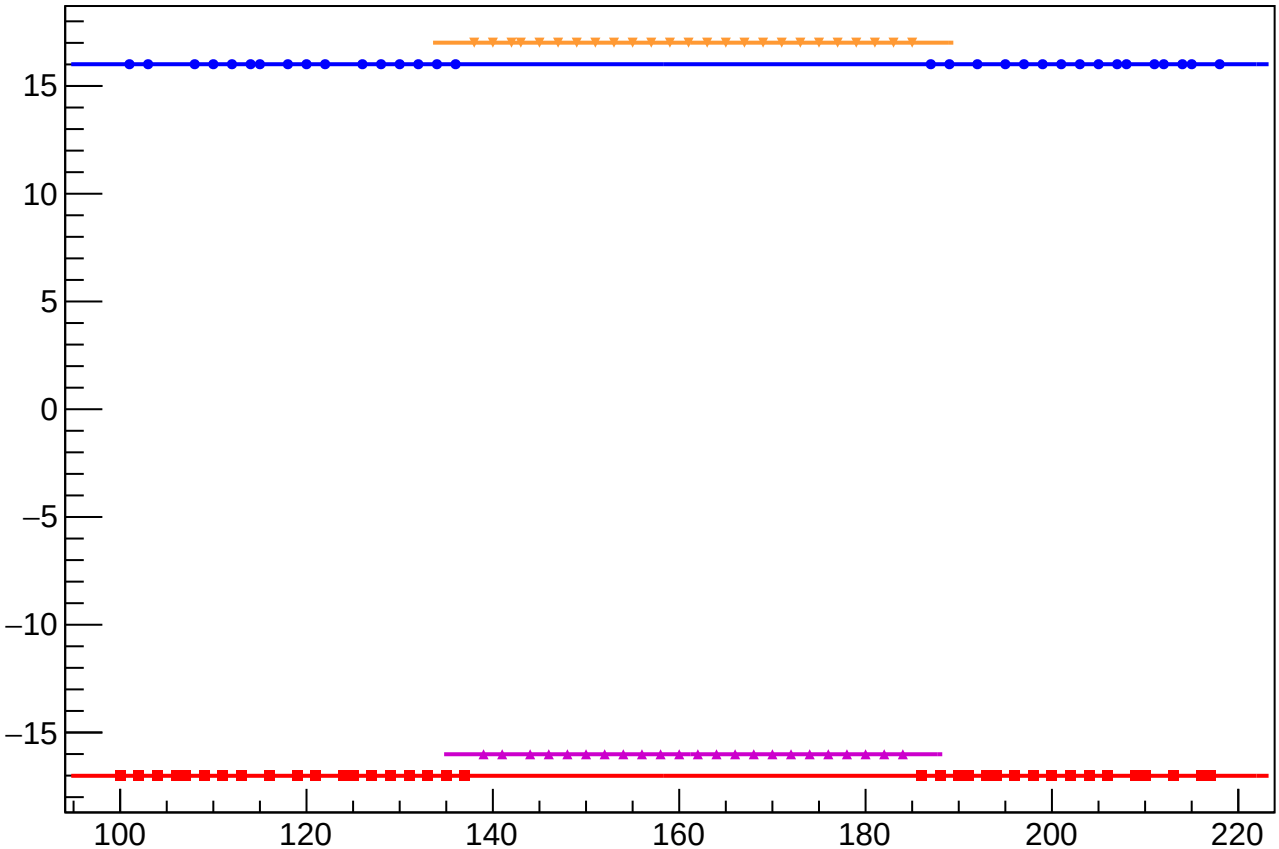
Right: -1.095+/-0.000 χ^2/NDF: 3396900532066452

In: 4.680+/-0.000 χ^2/NDF:3146042696435731295

Out: -3.222+/-0.000 χ^2/NDF:32785306985630287

All: 0.649+/-0.000 χ^2/NDF: 6437236682063

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:279903456758836896737525760.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 221228038824495469654179840.0/35

Left In: -16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

Left: 0.967+/-0.000 χ^2/NDF: 9915881080068676 86

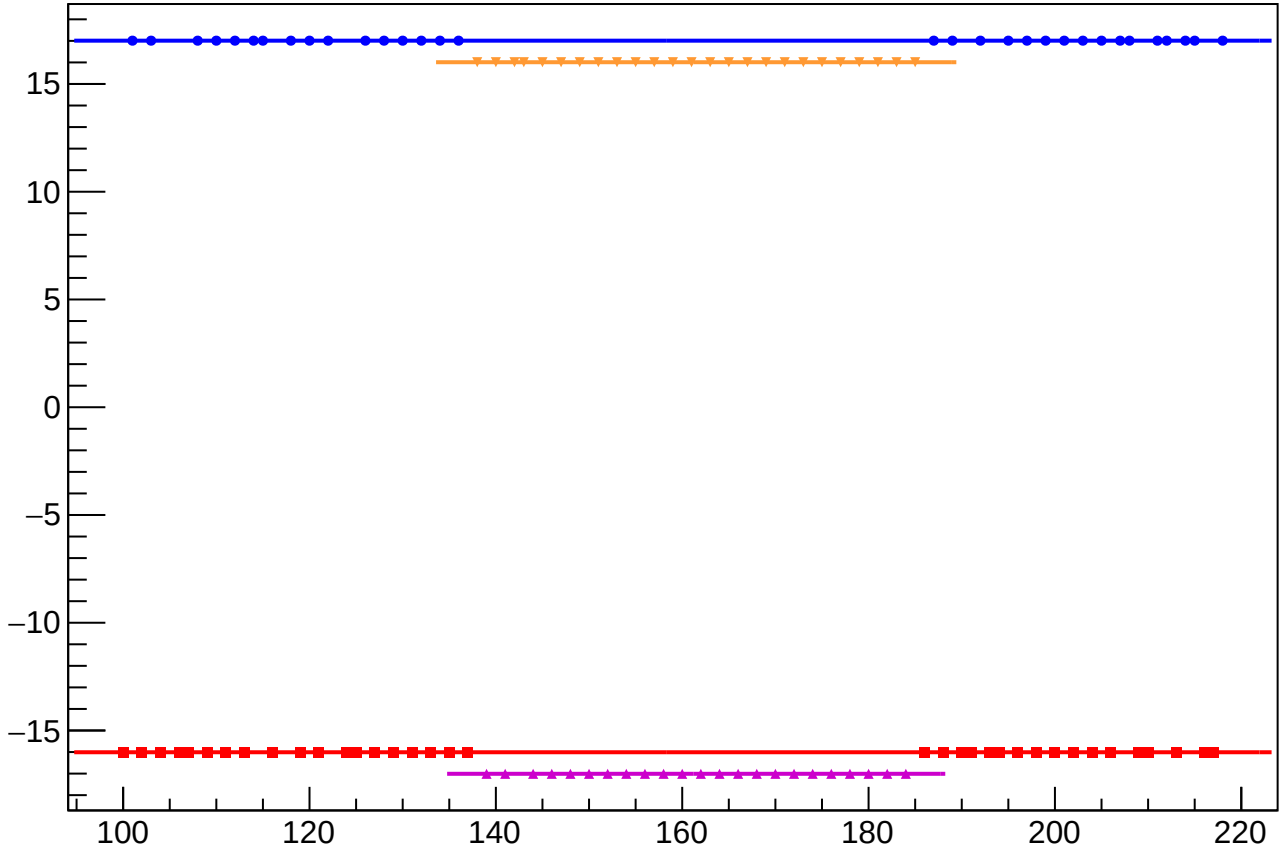
Right: -0.581+/-0.000 χ^2/NDF: 1112555624484064

In: 1.104+/-0.000 χ^2/NDF:969309995643342742 8

Out: -0.776+/-0.000 χ^2/NDF:1132622539858059 0

All: 0.149+/-0.000 χ^2/NDF: 2108754305887 0

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 990837828938266027491328.0/31

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 24545774560269121355776.0/35

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

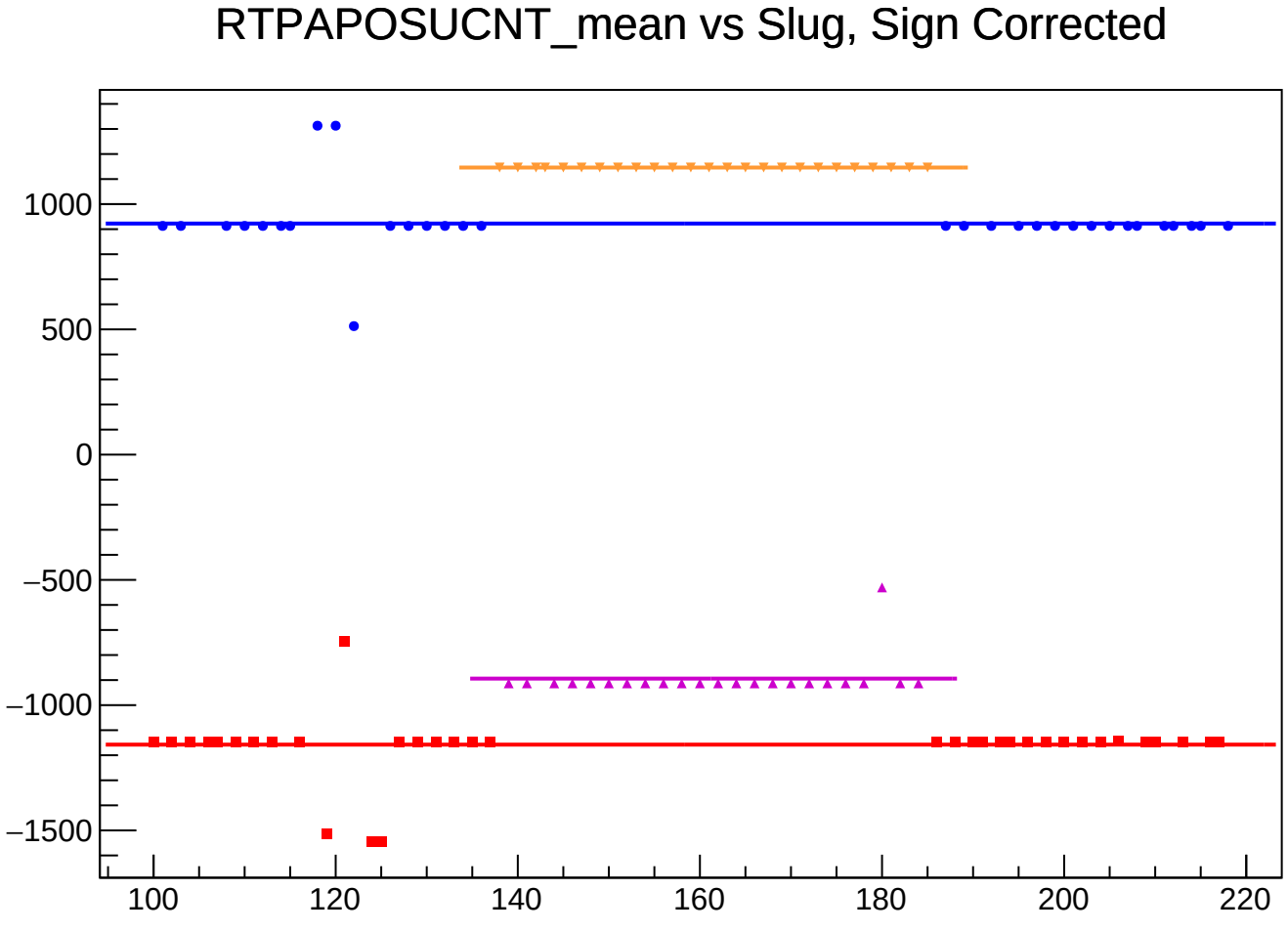
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

Right: 0.178+/-0.000 χ^2/NDF: 11315083826304327

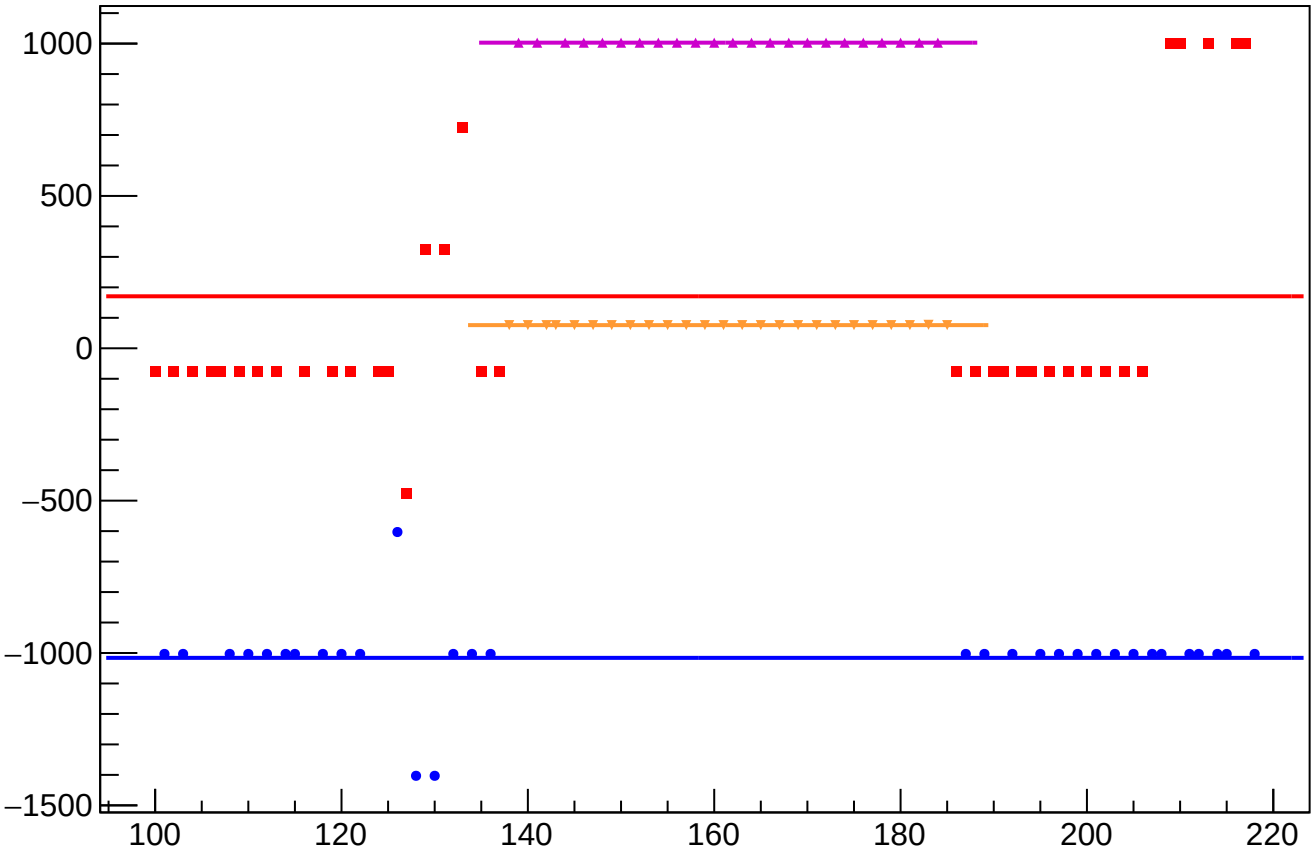
In: 0.768+/-0.000 χ^2/NDF:11248853825968104760

Out: -0.487+/-0.000 χ^2/NDF:10521618831385767

All: 0.124+/-0.000 χ^2/NDF: 21801991278174


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: 922.463+/-0.000 χ²/NDF: 21415818621503385349573650213198888960.0/31
Left Out: 1146.020+/-0.000 χ²/NDF:37030712979418714599064306974 72.0/24
Right Out: -1157.611+/-0.000 χ²/NDF: 22661255502411717925799657435794767872.0/35
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137 60.0/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -130.230+/-0.000 χ²/NDF: 45767127006107
In: 51.642+/-0.000 χ²/NDF:330906955996413991
Out: -34.459+/-0.000 χ²/NDF:5510383698028107
All: 7.727+/-0.000 χ²/NDF: 8834487088598

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: -415.424+/-0.000 χ^2/NDF: 19271453204273

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

In: -48.111+/-0.000 χ^2/NDF:40682028585146652

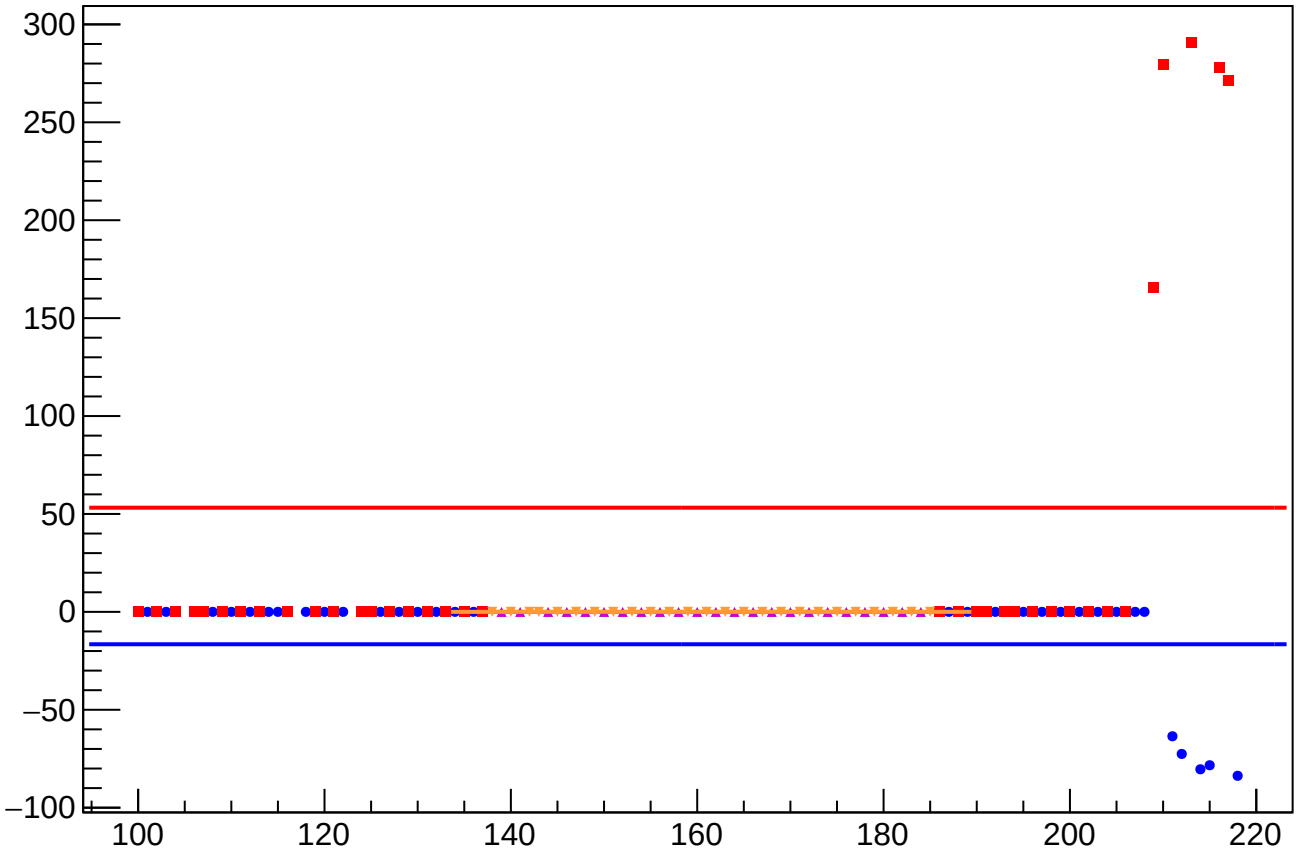
Right Out: 170.648+/-0.000 χ^2/NDF: 4286590715171679251910751148135877181 44.0/35

Out: 124.527+/-0.000 χ^2/NDF:437912676996227 2

Left In: 1002.990+/-0.000 χ^2/NDF:2951955903348314753097269248.0/22

All: 39.942+/-0.000 χ^2/NDF: 456655582233 3

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: -16.539+/-0.000 χ^2/NDF: 20623530568373943881165926136020992 00.0/31

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 53.196+/-0.000 χ^2/NDF: 23942316984004364440485493390014676992.0/35

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466 23

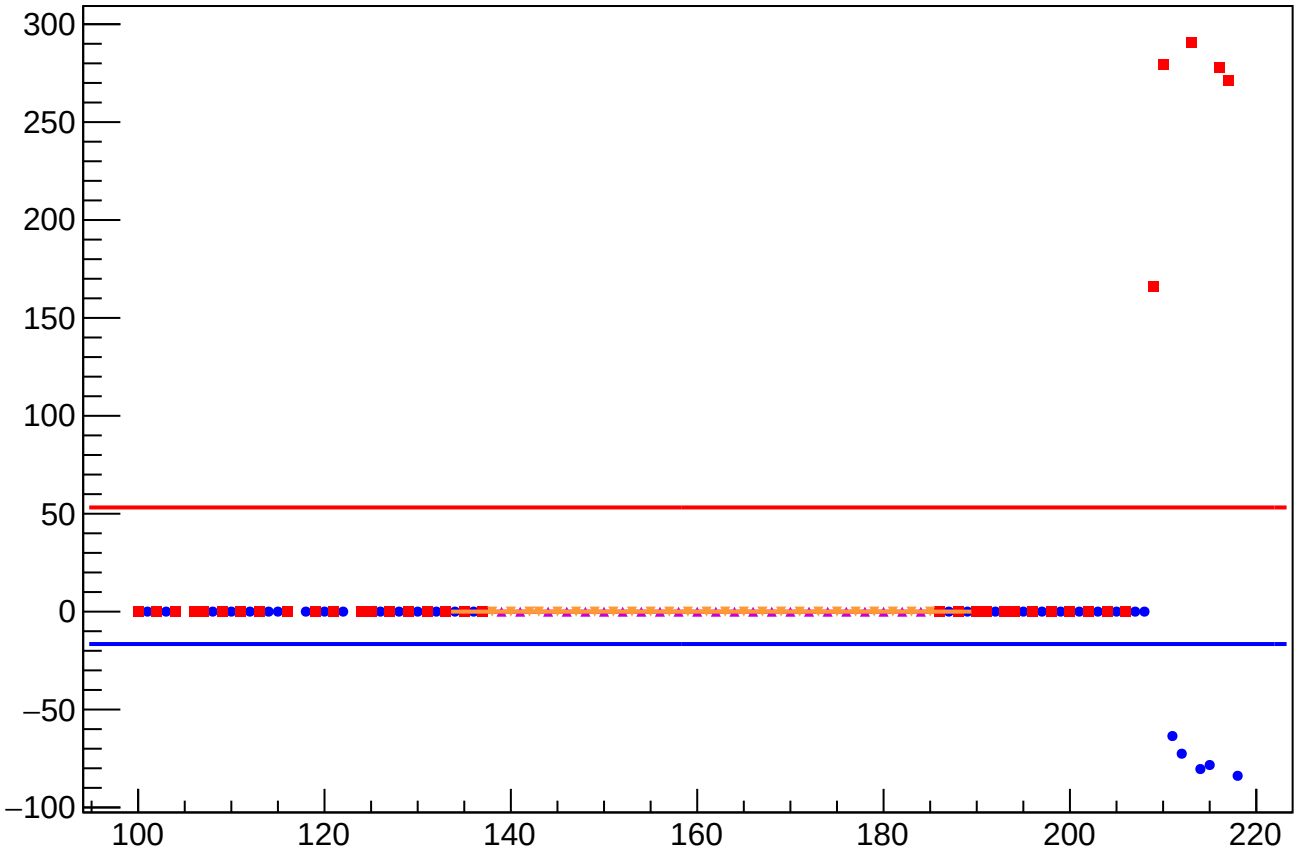
Right: 18.753+/-0.000 χ^2/NDF: 3109907753839001

In: -8.615+/-0.000 χ^2/NDF:233348808455162186

Out: 27.264+/-0.000 χ^2/NDF:2686758472644045 5

All: 9.685+/-0.000 χ^2/NDF: 3181170827055 4

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: 53.207+/-0.000 χ^2/NDF: 23942943798077858326631314950759383040.0/35

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466231

Right: 18.756+/-0.000 χ^2/NDF: 3110376426853574

In: -8.618+/-0.000 χ^2/NDF:233521323029439548

Out: 27.270+/-0.000 χ^2/NDF:26869496319665985

All: 9.687+/-0.000 χ^2/NDF: 318166360990631